

Herschel Products Definitions Document - Part II

Herschel Products Definitions Tables

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Herschel Products Definitions Document - Part II : Herschel Products Definitions Tables

by

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Chapter 1. HIFI Level-0, 0.5 and 1 Products

1.1. HifiTimelineProduct

<i>product (type="herschel.hifi.pipeline.product.HifiTimelineProduct", description="Hifi Product")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
LongParameter	count_ds (description="null")
LongParameter	last_ds (description="last dataset in this product")
LongParameter	obsid (description="Observation id")
LongParameter	apid (description="Apid")
StringParameter	fileName (description="filename for exporting purposes")
StringParameter	author (description="author of this product")
StringParameter	origin (description="site that created the product")
StringParameter	telescope (description="name of telescope")
LongParameter	odNumber (description="Operational day number")
StringParameter	AOT (description="Observation template (same as obsMode)")
StringParameter	obsMode (description="Observing mode")
LongParameter	proposal (description="Proposal identifier")
StringParameter	observer (description="proposer of the observation")
StringParameter	object (description="Target of Observation")
StringParameter	naifId (description="Solar system object NAIF identifier")
	ra (description="actual RA of pointing")

DoubleParameter	
DoubleParameter	dec (description="actual DEC of pointing")
DoubleParameter	raNominal (description="requested RA of pointing")
DoubleParameter	decNominal (description="requested DEC of pointing")
StringParameter	raDeSys (description="coordinate reference frame for RA and DEC")
DoubleParameter	posAngle (description="position angle from North in sky")
DoubleParameter	equinox (description="Equinox of the celestial coordinate system")
StringParameter	version (description="Version of the product")
StringParameter	formatVersion (description="Version of the product format")
LongParameter	pixelSaturated (description="Maximum number of saturated pixel detected in a single spectrum")
LongParameter	badPixels (description="Number of channels marked as BAD")
BooleanParameter	checkZero (description="Flag for all Zero of the observation")
BooleanParameter	checkComb (description="Flag for all COMB of the observation")
BooleanParameter	spikeNumberFlag (description="Flag for the spikes all COMB of the observation")
LongParameter	spikeNumber (description="Maximum number of spikes detected in a Comb")
<i>table dataset</i>	(description="null")
<i>Metadata</i>	
<i>IntId</i>	Dataset (description="Dataset key", quantity="none")
<i>StringId</i>	type (description="List of types for each block", quantity="none")
<i>IntId</i>	start (description="Start index for each block", quantity="none")
<i>IntId</i>	length (description="Length of each block", quantity="none")
<i>IntId</i>	bbid (description="Unique bbtype of each block", quantity="none")
<i>BoolId</i>	isLine (description="ON/OFF", quantity="none")
<i>DoubleId</i>	LoFrequency (description="null", quantity="GHz [1.0E9 Hz]")
<i>DoubleId</i>	LO-Throw (description="null", quantity="GHz [1.0E9 Hz]")
<i>compos-ite</i>	(description="History of product")
<i>Metadata</i>	
LongParameter	id (description="Unique ID")
<i>table dataset</i>	(description="History as Jython script")
<i>Metadata</i>	
StringParameter	outvar (description="last output variable")

	<i>StringId</i>	Lines (description="script lines", quantity="none")
<i>table dataset</i>	(description="History of tasks")	
	<i>Metadata</i>	
	<i>LongId</i>	ID (description="Links the parameter and task table", quantity="none")
	<i>StringId</i>	Name (description="The name of the task", quantity="none")
	<i>LongId</i>	ExecDate (description="Time of execution (FINETIME)", quantity="none")
	<i>BoolId</i>	Succeeded (description="Flag for success/failed", quantity="none")
	<i>LongId</i>	HistoryId (description="Id of current history", quantity="none")
<i>table dataset</i>	(description="The parameters belonging to the task history")	
	<i>Metadata</i>	
	<i>LongId</i>	TaskID (description="Links the parameter and task table", quantity="none")
	<i>StringId</i>	Name (description="The name of the parameter", quantity="none")
	<i>StringId</i>	Type (description="Type of parameter", quantity="none")
	<i>StringId</i>	Value (description="String representation of the parameter value", quantity="none")
	<i>BoolId</i>	IsDefault (description="True if the default value has been used", quantity="none")
	<i>LongId</i>	IncHistoryId (description="ID of the history of an included product", quantity="none")
	<i>IntId</i>	IncNumTask (description="Number of tasks to include from history", quantity="none")
	<i>LongId</i>	HistoryId (description="Id of current history", quantity="none")
	<i>BoolId</i>	UserInput (description="Needs user input", quantity="none")

<i>product</i>	(type="herschel.ia.dataset.Product(HifiSpectrumDataset)", description="WBS Spectrum Dataset")	
	<i>Metadata</i>	
	<i>StringParameter</i>	type (description="Product Type Identification")
	<i>StringParameter</i>	creator (description="Generator of this product")
	<i>DateParameter</i>	creationDate (description="Creation date of this product")
	<i>StringParameter</i>	description (description="Name of this product")
	<i>StringParameter</i>	instrument (description="null")
	<i>StringParameter</i>	modelName (description="Model name attached to this product")
	<i>DateParameter</i>	startDate (description="Start date of this product")
	<i>DateParameter</i>	endDate (description="End date of this product")
	<i>DateParameter</i>	DATE_OBS (description="Start date of this product")
	<i>LongParameter</i>	apid (description="Apid")
	<i>LongParameter</i>	obsid (description="Observation id")
	<i>StringParameter</i>	backend (description="Spectrograph: WBS or HRS")
	<i>LongParameter</i>	channels (description="Number of Channels")
	<i>StringParameter</i>	wavename (description="Actual name of the WaveColumn")

StringParameter	wavedescription (description="Description of WaveColumn")
StringParameter	waveunit (description="Units of the WaveColumn")
DoubleParameter	parameter_1 (description="Parameter 1 of the wave model")
DoubleParameter	parameter_2 (description="Parameter 2 of the wave model")
DoubleParameter	parameter_3 (description="Parameter 3 of the wave model")
DoubleParameter	parameter_4 (description="Parameter 4 of the wave model")
DoubleParameter	parameter_5 (description="Parameter 5 of the wave model")
StringParameter	rowflag_8 (description="HK could not be aligned with DataFrames. value")
LongParameter	OBS-revision (description="On Board Software revision")
LongParameter	OBS-version (description="On Board Software version")
LongParameter	OBS-patch (description="On Board Software patch level")
StringParameter	Band (description="Active band")
StringParameter	sds_type (description="Generalized Building Block type")
StringParameter	author (description="author of this product")
StringParameter	origin (description="site that created the product")
StringParameter	telescope (description="name of telescope")
LongParameter	odNumber (description="Operational day number")
StringParameter	AOT (description="Observation template (same as obsMode)")
StringParameter	obsMode (description="Observing mode")
LongParameter	proposal (description="Proposal identifier")
StringParameter	observer (description="proposer of the observation")
StringParameter	object (description="Target of Observation")
StringParameter	naifId (description="Solar system object NAIF identifier")
DoubleParameter	ra (description="actual RA of pointing")
DoubleParameter	dec (description="actual DEC of pointing")
DoubleParameter	raNominal (description="requested RA of pointing")
DoubleParameter	decNominal (description="requested DEC of pointing")
StringParameter	raDeSys (description="coordinate reference frame for RA and DEC")
DoubleParameter	posAngle (description="position angle from North in sky")
DoubleParameter	equinox (description="Equinox of the celestial coordinate system")
StringParameter	version (description="Version of the product")
StringParameter	formatVersion (description="Version of the product format")
StringParameter	fileName (description="filename for exporting purposes")
LongParameter	Pipeline applied (description="Define which pipeline modules have been applied to the data. bit 0 = not used bit 1 = Scan count correction bit 3 = Dark correction bit 4 = Non Linearity correction bit 5 = Zero correction bit 6 = Frequency calibration applied")
BooleanParameter	isMasked (description="null")
BooleanParameter	hassubbands (description="Whether it has subbands")
LongParameter	subbandstart_1 (description="Starting channel for subband 1")
LongParameter	subbandstart_2 (description="Starting channel for subband 2")
LongParameter	subbandstart_3 (description="Starting channel for subband 3")

LongParameter	subbandstart_4 (description="Starting channel for subband 4")
LongParameter	subbandlength_1 (description="Length of subband 1")
LongParameter	subbandlength_2 (description="Length of subband 2")
LongParameter	subbandlength_3 (description="Length of subband 3")
LongParameter	subbandlength_4 (description="Length of subband 4")
StringParameter	frequencyGroup (description="null")
DoubleParameter	loFrequency (description="null")
DoubleParameter	loThrow (description="null")
<i>table dataset</i>	<i>(description="WBS Spectrum Dataset")</i>
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="null")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	DATE_OBS (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
LongParameter	apid (description="Apid")
LongParameter	obsid (description="Observation id")
StringParameter	backend (description="Spectrograph: WBS or HRS")
LongParameter	channels (description="Number of Channels")
StringParameter	wavename (description="Actual name of the WaveColumn")
StringParameter	wavedescription (description="Description of WaveColumn")
StringParameter	waveunit (description="Units of the WaveColumn")
DoubleParameter	parameter_1 (description="Parameter 1 of the wave model")
DoubleParameter	parameter_2 (description="Parameter 2 of the wave model")
DoubleParameter	parameter_3 (description="Parameter 3 of the wave model")
DoubleParameter	parameter_4 (description="Parameter 4 of the wave model")
DoubleParameter	parameter_5 (description="Parameter 5 of the wave model")
StringParameter	rowflag_8 (description="HK could not be aligned with DataFrames. value")
LongParameter	OBS-revision (description="On Board Software revision")
LongParameter	OBS-version (description="On Board Software version")
LongParameter	OBS-patch (description="On Board Software patch level")
StringParameter	Band (description="Active band")
StringParameter	sds_type (description="Generalized Building Block type")
StringParameter	author (description="author of this product")
StringParameter	origin (description="site that created the product")
StringParameter	telescope (description="name of telescope")
LongParameter	odNumber (description="Operational day number")

StringParameter	AOT (description="Observation template (same as obsMode)")
StringParameter	obsMode (description="Observing mode")
LongParameter	proposal (description="Proposal identifier")
StringParameter	observer (description="proposer of the observation")
StringParameter	object (description="Target of Observation")
StringParameter	naifId (description="Solar system object NAIF identifier")
DoubleParameter	ra (description="actual RA of pointing")
DoubleParameter	dec (description="actual DEC of pointing")
DoubleParameter	raNominal (description="requested RA of pointing")
DoubleParameter	decNominal (description="requested DEC of pointing")
StringParameter	raDeSys (description="coordinate reference frame for RA and DEC")
DoubleParameter	posAngle (description="position angle from North in sky")
DoubleParameter	equinox (description="Equinox of the celestial coordinate system")
StringParameter	version (description="Version of the product")
StringParameter	formatVersion (description="Version of the product format")
StringParameter	fileName (description="filename for exporting purposes")
LongParameter	Pipeline applied (description="Define which pipeline modules have been applied to the data. bit 0 = not used bit 1 = Scan count correction bit 3 = Dark correction bit 4 = Non Linearity correction bit 5 = Zero correction bit 6 = Frequency calibration applied")
BooleanParameter	isMasked (description="null")
BooleanParameter	hasSubbands (description="Whether it has subbands")
LongParameter	subbandstart_1 (description="Starting channel for subband 1")
LongParameter	subbandstart_2 (description="Starting channel for subband 2")
LongParameter	subbandstart_3 (description="Starting channel for subband 3")
LongParameter	subbandstart_4 (description="Starting channel for subband 4")
LongParameter	subbandlength_1 (description="Length of subband 1")
LongParameter	subbandlength_2 (description="Length of subband 2")
LongParameter	subbandlength_3 (description="Length of subband 3")
LongParameter	subbandlength_4 (description="Length of subband 4")
StringParameter	frequencyGroup (description="null")
DoubleParameter	loFrequency (description="null")
DoubleParameter	loThrow (description="null")
<i>Double2d</i>	flux_1 (description="flux", quantity="none")
<i>Double2d</i>	weight_1 (description="null", quantity="none")
<i>Int2d</i>	flag_1 (description="null", quantity="none")
<i>Double2d</i>	frequency_1 (description="frequency", quantity="MHz [1000000.0 Hz]")
<i>Double2d</i>	flux_2 (description="flux", quantity="none")
<i>Double2d</i>	weight_2 (description="null", quantity="none")
<i>Int2d</i>	flag_2 (description="null", quantity="none")

<i>Double2d</i>	frequency_2 (description="frequency", quantity="MHz [1000000.0 Hz]")
<i>Double2d</i>	flux_3 (description="flux", quantity="none")
<i>Double2d</i>	weight_3 (description="null", quantity="none")
<i>Int2d</i>	flag_3 (description="null", quantity="none")
<i>Double2d</i>	frequency_3 (description="frequency", quantity="MHz [1000000.0 Hz]")
<i>Double2d</i>	flux_4 (description="flux", quantity="none")
<i>Double2d</i>	weight_4 (description="null", quantity="none")
<i>Int2d</i>	flag_4 (description="null", quantity="none")
<i>Double2d</i>	frequency_4 (description="frequency", quantity="MHz [1000000.0 Hz]")
<i>Bool1d</i>	frmon_valid (description="Valid flag for Freq Monitor", quantity="none")
<i>Int1d</i>	rowflag (description="Dataframe Flag", quantity="none")
<i>Int1d</i>	bbtype (description="Building Block Type", quantity="none")
<i>Double1d</i>	Chopper (description="Actual chopper positions", quantity="none")
<i>Double1d</i>	cmd_chopper (description="Commanded chopper positions", quantity="none")
<i>Double2d</i>	hot_cold (description="Hot and cold temperatures of the Blackbody Calibrator (prime)", quantity="K")
<i>Double1d</i>	LoFrequency (description="Local Oscillator Frequency", quantity="GHz [1.0E9 Hz]")
<i>Int1d</i>	integrations (description="Number of Integrations", quantity="none")
<i>Long1d</i>	packet time (description="Packetization Time", quantity="none")
<i>Int1d</i>	scancount (description="Integrated Scan Count", quantity="none")
<i>Double1d</i>	integration time (description="null", quantity="s")
<i>Long1d</i>	obs time (description="Observation Time", quantity="none")
<i>Int1d</i>	IN_ATT (description="null", quantity="none")
<i>Int1d</i>	bitshift (description="Bit Shift", quantity="none")
<i>Int1d</i>	nrbytes (description="Number of Bytes", quantity="none")
<i>Double1d</i>	MJC_Ver (description="Calibrated mixer junction current, vertical ban", quantity="A")
<i>Double1d</i>	MJC_Hor (description="Calibrated mixer junction current, horizontal b", quantity="A")
<i>Int2d</i>	LOF_code (description="Encoded info on Local Oscillator Frequency, offset and main", quantity="none")
<i>Int1d</i>	buffer (description="Integration Buffer", quantity="none")
<i>Int2d</i>	Band_ATT (description="null", quantity="none")
<i>Int1d</i>	hk_transfer (description="hk_transfer", quantity="none")

Chapter 2. HIFI Calibration Products

2.1. HIFI Predefined Calibration Products

2.1.1. CalHrsPowCorr

<i>product (type="CalHrsPowCorr", description="Values for Power gain non-linearity correction")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start time of this product")
DateParameter	endDate (description="End time of this product")
LongParameter	version (description="Version of this product")
StringParameter	name (description="Name of this product")
StringParameter	filename (description="Disk filename used to create this product")
<i>table dataset</i>	<i>(description="vSigma Vector of the CalHrsPowCorr Product")</i>
<i>Metadata</i>	
<i>DoubleId</i>	vSigma (description="vSigma Vector", quantity="none")
<i>table dataset</i>	<i>(description="gain Vector of the CalHrsPowCorr Product")</i>
<i>Metadata</i>	
<i>DoubleId</i>	gain (description="gain Vector", quantity="none")

2.1.2. CalHrsQDCFast

<i>product (type="CalHrsQDCFast", description="Value for Fast Quantization Distortion Correction")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start time of this product")
DateParameter	endDate (description="End time of this product")
LongParameter	version (description="Version of this product")

StringParameter	name (description="Name of this product")
DoubleParameter	QDCFastFactor (description="QDC fast factor of this product")

2.1.3. CalHrsQDCFull

<i>product (type="CalHrsQDCFull", description="Values for Full Quantization Distortion Correction")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start time of this product")
DateParameter	endDate (description="End time of this product")
LongParameter	version (description="Version of this product")
StringParameter	name (description="Name of this product")
StringParameter	filename (description="Disk filename used to create this product")
<i>table dataset</i>	<i>(description="mSigma Vector of the CalHrsQDCFull Product")</i>
<i>Metadata</i>	
<i>DoubleId</i>	mSigma (description="mSigma Vector", quantity="none")
<i>table dataset</i>	<i>(description="ro Vector of the CalHrsQDCFull Product")</i>
<i>Metadata</i>	
<i>DoubleId</i>	ro (description="ro Vector", quantity="none")
<i>table dataset</i>	<i>(description="vSigma Vector of the CalHrsQDCFull Product")</i>
<i>Metadata</i>	
<i>DoubleId</i>	vSigma (description="vSigma Vector", quantity="none")
<i>table dataset</i>	<i>(description="Grid dimensions of the CalHrsQDCFull Product")</i>
<i>Metadata</i>	
<i>DoubleId</i>	gridDim (description="grid Dimensions", quantity="none")
<i>table dataset</i>	<i>(description="Grid or 3D table of the CalHrsQDCFull Product")</i>
<i>Metadata</i>	

<i>DoubleId</i>	grid (description="grid", quantity="none")

2.1.4. CalWbsBadPixel

<i>product</i> (type="Calibration", description="The Bad pixel mask")	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
LongParameter	version (description="Version of this product")
StringParameter	name (description="Name of this product")
DoubleParameter	saturated repetition (description="saturated repetition")
LongParameter	threshold saturation (description="threshold saturation")
DoubleParameter	warning level (description="warning level")
DoubleParameter	flag value (description="flag value")
<i>table dataset</i>	(description="Mask")
<i>Metadata</i>	
<i>IntId</i>	Mask (description="Bad pixels", quantity="none")
<i>compos-ite</i>	(description="History of product")
<i>Metadata</i>	
LongParameter	id (description="Unique ID")
<i>table dataset</i>	(description="History as Jython script")
<i>Metadata</i>	
StringParameter	outvar (description="last output variable")
<i>StringId</i>	Lines (description="script lines", quantity="none")
<i>table dataset</i>	(description="History of tasks")
<i>Metadata</i>	
<i>LongId</i>	ID (description="Links the parameter and task table", quantity="none")
<i>StringId</i>	Name (description="The name of the task", quantity="none")

<i>LongId</i>	ExecDate (description="Time of execution (FINETIME)", quantity="none")
<i>BoolId</i>	Succeeded (description="Flag for success/failed", quantity="none")
<i>LongId</i>	HistoryId (description="Id of current history", quantity="none")
<i>table dataset</i>	(description="The parameters belonging to the task history")
<i>Metadata</i>	
<i>LongId</i>	TaskID (description="Links the parameter and task table", quantity="none")
<i>StringId</i>	Name (description="The name of the parameter", quantity="none")
<i>StringId</i>	Type (description="Type of parameter", quantity="none")
<i>StringId</i>	Value (description="String representation of the parameter value", quantity="none")
<i>BoolId</i>	IsDefault (description="True if the default value has been used", quantity="none")
<i>LongId</i>	IncHistoryId (description="ID of the history of an included product", quantity="none")
<i>IntId</i>	IncNumTask (description="Number of tasks to include from history", quantity="none")
<i>LongId</i>	HistoryId (description="Id of current history", quantity="none")
<i>BoolId</i>	UserInput (description="Needs user input", quantity="none")

2.1.5. CalWbsFreq

<i>product (type="Calibration", description="The parameter used for the fitting of COMB spectra")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
LongParameter	version (description="Version of this product")
StringParameter	name (description="Name of this product")
LongParameter	First line position (description="Position of the first line in pixels")
LongParameter	Line step (description="Starting value for the difference in pixel between two adjacent COMB lines")
LongParameter	Line step tolerance (description="Half range in pixels where is searched a new line. The range (in pixel) is: the previous line + the Parameter Line step +/- this parameter.")
LongParameter	Gaussian range (description="Half range in pixels used to fit each COMB line with a gaussian. The total number of pixels used is 2*(Gaussian range)")
LongParameter	Number of lines (description="Number of lines aspected for each CCD in the COMB spectra")

LongParameter	Minimum number of lines (description="Minimum number of lines detected to set failed the fit of the COMB")
LongParameter	Max number of spikes (description="Max number of spikes allowed, for each CCD, before to return a failure in the initial line search in the COMB spectra")
LongParameter	Polynomial degree (description="Degree of the polynomial used to calculate the frequencies in function of pixels")
LongParameter	Start ccd (description="First pixel used to find a line in the COMB. This value can affect the number of lines found and the correspondent value in frequency")
LongParameter	End ccd (description="Last pixel used in the Check Comb. This value can affect the number of lines found")
LongParameter	Noise range (description="Half of the range (in pixels) removed around each line of COMB. The resulting spectra is used to calculate the noise. It can be related to the Parameter Gaussian range")
DoubleParameter	Dynamic range threshold (description="Minimum value allowed for the Dynamic Range of CCDs")
DoubleParameter	Resolution threshold (description="Maximum value for the Resolution of a CCDs in MHz")
DoubleParameter	Efficiency threshold (description="Minimum value for the efficiency of a CCDs [%]")
DoubleParameter	Ripple threshold (description="Maximum value for the ripple of a CCDs [dB]")
DoubleParameter	Frequency first line (description="Value in MHz of the first COMB line of the first CCD respect to the LO frequency")
DoubleParameter	Line width (description="Starting value for the fitter to found the width of the gaussians in the COMB spectra")
DoubleParameter	Threshold (description="Threshold values used to found the gaussians in the COMB spectra. A small values will cause to found many spikes, an high value will cause to miss some lines.")
DoubleParameter	Line frequency step (description="Difference in MHz between two adjacent COMB lines")
DoubleParameter	Hrs range loop (description="Range in MHz in frequencies around guessed position to found WBS frequencies in function of hrs values")
DoubleParameter	Hrs step loop (description="Step in MHz used in the loop to found WBS frequencies in function of hrs values")
LongParameter	Hrs sigma range fit (description="Number of values below and above the minimum sigma to be used in the fit to find the minimum")
LongParameter	Hrs sigma polynomial degree fit (description="Degree of the polynomial used to fit the minimum sigma")

2.1.6. CalWbsFreqCoeff

<i>product (type="Calibration", description="The frequency calibration for the WBS. This product contains one TableDataset with 5 columns, one for time and for each of the four CCD")</i>	
Metadata	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")

StringParameter	description (description=" a set of polynome coefficients that define how to con&")	
StringParameter	instrument (description="Instrument attached to this product")	
StringParameter	modelName (description="Model name attached to this product")	
DateParameter	startDate (description="Start date of this product")	
DateParameter	endDate (description="End date of this product")	
LongParameter	version (description="Version of this product")	
StringParameter	name (description="Name of this product")	
StringParameter	interpolation type (description="Type of interpolation in time used")	
<i>table dataset</i>	<i>(description="Coefficients CalWbsFreq Product")</i>	
<i>Metadata</i>		
<i>Double2d</i>	ccd_1	(description="Default ccd_1", quantity="none")
<i>Double2d</i>	ccd_2	(description="Default ccd_2", quantity="none")
<i>Double2d</i>	ccd_3	(description="Default ccd_3", quantity="none")
<i>Double2d</i>	ccd_4	(description="Default ccd_4", quantity="none")
<i>Long1d</i>	obs time	(description="Default obs time", quantity="none")

2.1.7. CalWbsFreqTuning

<i>product (type="Calibration", description="The parameter used for the fitting of COMB spectra")</i>		
<i>Metadata</i>		
StringParameter	type (description="Product Type Identification")	
StringParameter	creator (description="Generator of this product")	
DateParameter	creationDate (description="Creation date of this product")	
StringParameter	description (description="Name of this product")	
StringParameter	instrument (description="Instrument attached to this product")	
StringParameter	modelName (description="Model name attached to this product")	
DateParameter	startDate (description="Start date of this product")	
DateParameter	endDate (description="End date of this product")	
LongParameter	version (description="Version of this product")	
StringParameter	name (description="Name of this product")	
LongParameter	First line position (description="Position of the first line in pixels")	
LongParameter	Line step (description="Starting value for the difference in pixel between two adjacent COMB lines")	
LongParameter	Line step tollerance (description="Half range in pixels where is searched a new line. The range (in pixel) is: the previous line + the Parameter Line step +/- this parameter.")	
LongParameter	Gaussian range (description="Half range in pixels used to fit each COMB line with a gaussian. The total number of pixels used is 2*(Gaussian range)")	
LongParameter	Number of lines (description="Number of lines aspected for each CCD in the COMB spectra")	
LongParameter	Minimum number of lines (description="Minimum number of lines detected to set failed the fit of the COMB")	

LongParameter	Max number of spikes (description="Max number of spikes allowed, for each CCD, before to return a failure in the initial line search in the COMB spectra")
LongParameter	Polynomial degree (description="Degree of the polynomial used to calculate the frequencies in function of pixels")
LongParameter	Start ccd (description="First pixel used to find a line in the COMB. This value can affect the number of lines found and the correspondent value in frquency")
LongParameter	End ccd (description="Last pixel used in the Check Comb. This value can affect the number of lines found")
LongParameter	Noise range (description="Half of the range (in pixels) removed around each line of COMB The resulting spectra is used to calculate the noise. It can be related to the Parameter Gaussian range")
DoubleParameter	Dynamic range threshold (description="Minimum value allowed for the Dynamic Range of CCDs")
DoubleParameter	Resolution threshold (description="Maximum value for the Resolution of a CCDs in MHz")
DoubleParameter	Efficiency threshold (description="Minimum value for the efficiency of a CCDs [%]")
DoubleParameter	Ripple threshold (description="Maximum value for the ripple of a CCDs [dB]")
DoubleParameter	Frequency first line (description="Value in MHz of the first COMB line of the first CCD respect to the LO frequency")
DoubleParameter	Line width (description="Starting value for the fitter to found the width of the gaussians in the COMB spectra")
DoubleParameter	Threshold (description="Threshold values used to found the gassians in the COMB spectra. A small values will cause to found many spikes, an high value will cause to miss some lines.")
DoubleParameter	Line frequency step (description="Difference in MHz between two adjacent COMB lines")
DoubleParameter	Hrs range loop (description="Range in MHz in frequencies around guessed position to found WBS frequencies in function of hrs values")
DoubleParameter	Hrs step loop (description="Step in MHz used in the loop to found WBS frequencies in function of hrs values")
LongParameter	Hrs sigma range fit (description="Number of values below and above the minimum sigma to be used in the fit to find the minimum")
LongParameter	Hrs sigma polynomial degree fit (description="Degree of the polynomial used to fit the minimum sigma")

2.1.8. CalWbsZero

<i>map context (type="Unknown", description="Zero context for zeros spectra and relative checks")</i>	
Meta-data	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")

StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
map context	(type="Unknown", description="Time ordered HIFI product")
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	interpolation (description="null")
LongParameter	count_ds (description="Number of datasets in this product")
LongParameter	last_ds (description="last dataset in this product")
product	(type="herchel.ia.dataset.Product(HifiSpectrumDataset)", description="WBS Spectrum Dataset of type: comb")
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
DateParameter	DATE_OBS (description="Start date of this product")
LongParameter	apid (description="Apid")
LongParameter	obsid (description="Observation id")
StringParameter	backend (description="Spectrograph: WBS or HRS")
LongParameter	channels (description="Number of Channels")
LongParameter	subbandstart_1 (description="Starting channel for subband 1")
LongParameter	subbandstart_2 (description="Starting channel for subband 2")
LongParameter	subbandstart_3 (description="Starting channel for subband 3")
LongParameter	subbandstart_4 (description="Starting channel for subband 4")

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LongParameter	subbandlength_1 (description="Length of subband 1")
LongParameter	subbandlength_2 (description="Length of subband 2")
LongParameter	subbandlength_3 (description="Length of subband 3")
LongParameter	subbandlength_4 (description="Length of subband 4")
StringParameter	rowflag_9 (description="No valid Chopper information. value = 512")
StringParameter	rowflag_10 (description="No valid Commanded Chopper information. value =")
StringParameter	rowflag_12 (description="No valid LO code offset information. value = 40")
StringParameter	rowflag_13 (description="No valid LO code main information. value = 8192")
StringParameter	wavename (description="Actual name of the WaveColumn")
StringParameter	wavedescription (description="Description of WaveColumn")
StringParameter	waveunit (description="Units of the WaveColumn")
StringParameter	model (description="Wave model")
DoubleParameter	parameter_1 (description="Parameter 1 of the wave model")
DoubleParameter	parameter_2 (description="Parameter 2 of the wave model")
DoubleParameter	parameter_3 (description="Parameter 3 of the wave model")
DoubleParameter	parameter_4 (description="Parameter 4 of the wave model")
DoubleParameter	parameter_5 (description="Parameter 5 of the wave model")
StringParameter	rowflag_8 (description="HK could not be aligned with DataFrames. value")
LongParameter	OBS-revision (description="On Board Software revision")
LongParameter	OBS-version (description="On Board Software version")
LongParameter	OBS-patch (description="On Board Software patch level")
StringParameter	Band (description="Active band")
StringParameter	sds_type (description="Generalized Building Block type")
StringParameter	author (description="author of this product")
StringParameter	origin (description="site that created the product")
StringParameter	telescope (description="name of telescope")
LongParameter	odNumber (description="Operational day number")
StringParameter	AOT (description="Observation template (same as obsMode)")
StringParameter	obsMode (description="Observing mode")
LongParameter	proposal (description="Proposal identifier")
StringParameter	observer (description="proposer of the observation")
StringParameter	object (description="Target of Observation")
StringParameter	naifId (description="Solar system object NAIF identifier")
DoubleParameter	ra (description="actual RA of pointing")
DoubleParameter	dec (description="actual DEC of pointing")
DoubleParameter	raNominal (description="requested RA of pointing")
DoubleParameter	decNominal (description="requested DEC of pointing")
StringParameter	raDeSys (description="coordinate reference frame for RA and DEC")
DoubleParameter	posAngle (description="position angle from North in sky")

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DoubleParameter	equinox (description="Equinox of the celestial coordinate system")
StringParameter	version (description="Version of the product")
StringParameter	formatVersion (description="Version of the product format")
StringParameter	fileName (description="filename for exporting purposes")
LongParameter	Pipeline applied (description="Define which pipeline modules have been applied to the data. bit 0 = not used bit 1 = Scan count correction bit 3 = Dark correction bit 4 = Non Linearity correction bit 5 = Zero correction bit 6 = Frequency calibration applied")
BooleanParameter	isMasked (description="null")
<i>table dataset</i> (description="WBS Spectrum Dataset of type: comb")	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	DATE_OBS (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
LongParameter	apid (description="Apid")
LongParameter	obsid (description="Observation id")
StringParameter	backend (description="Spectrograph: WBS or HRS")
LongParameter	channels (description="Number of Channels")
LongParameter	subbandstart_1 (description="Starting channel for subband 1")
LongParameter	subbandstart_2 (description="Starting channel for subband 2")
LongParameter	subbandstart_3 (description="Starting channel for subband 3")
LongParameter	subbandstart_4 (description="Starting channel for subband 4")
LongParameter	subbandlength_1 (description="Length of subband 1")
LongParameter	subbandlength_2 (description="Length of subband 2")
LongParameter	subbandlength_3 (description="Length of subband 3")
LongParameter	subbandlength_4 (description="Length of subband 4")
StringParameter	rowflag_9 (description="No valid Chopper information. value = 512")
StringParameter	rowflag_10 (description="No valid Commanded Chopper information. value =")
StringParameter	rowflag_12 (description="No valid LO code offset information. value = 40")
StringParameter	rowflag_13 (description="No valid LO code main information. value = 8192")
StringParameter	wavename (description="Actual name of the WaveColumn")
StringParameter	wavedescription (description="Description of WaveColumn")
StringParameter	waveunit (description="Units of the WaveColumn")
StringParameter	model (description="Wave model")

HIFI Calibration Products

DoubleParameter	parameter_1 (description="Parameter 1 of the wave model")
DoubleParameter	parameter_2 (description="Parameter 2 of the wave model")
DoubleParameter	parameter_3 (description="Parameter 3 of the wave model")
DoubleParameter	parameter_4 (description="Parameter 4 of the wave model")
DoubleParameter	parameter_5 (description="Parameter 5 of the wave model")
StringParameter	rowflag_8 (description="HK could not be aligned with DataFrames. value")
LongParameter	OBS-revision (description="On Board Software revision")
LongParameter	OBS-version (description="On Board Software version")
LongParameter	OBS-patch (description="On Board Software patch level")
StringParameter	Band (description="Active band")
StringParameter	sds_type (description="Generalized Building Block type")
StringParameter	author (description="author of this product")
StringParameter	origin (description="site that created the product")
StringParameter	telescope (description="name of telescope")
LongParameter	odNumber (description="Operational day number")
StringParameter	AOT (description="Observation template (same as obsMode)")
StringParameter	obsMode (description="Observing mode")
LongParameter	proposal (description="Proposal identifier")
StringParameter	observer (description="proposer of the observation")
StringParameter	object (description="Target of Observation")
StringParameter	naifId (description="Solar system object NAIF identifier")
DoubleParameter	ra (description="actual RA of pointing")
DoubleParameter	dec (description="actual DEC of pointing")
DoubleParameter	raNominal (description="requested RA of pointing")
DoubleParameter	decNominal (description="requested DEC of pointing")
StringParameter	raDeSys (description="coordinate reference frame for RA and DEC")
DoubleParameter	posAngle (description="position angle from North in sky")
DoubleParameter	equinox (description="Equinox of the celestial coordinate system")
StringParameter	version (description="Version of the product")
StringParameter	formatVersion (description="Version of the product format")
StringParameter	fileName (description="filename for exporting purposes")
LongParameter	Pipeline applied (description="Define which pipeline modules have been applied to the data. bit 0 = not used bit 1 = Scan count correction bit 3 = Dark correction bit 4 = Non Linearity correction bit 5 = Zero correction bit 6 = Frequency calibration applied")
BooleanParameter	isMasked (description="null")
<i>Double2d</i>	flux (description="flux", quantity="none")
<i>Int1d</i>	bbtype (description="Building Block Type", quantity="none")
<i>Int1d</i>	bbnumber (description="Building Block Number", quantity="none")
<i>Int1d</i>	sequence number (description="Integration Sequence Number", quantity="none")

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	<i>Int1d</i>	integrations (description="Number of Integrations", quantity="none")
	<i>Int1d</i>	buffer (description="Integration Buffer", quantity="none")
	<i>Int1d</i>	nrbytes (description="Number of Bytes", quantity="none")
	<i>Int1d</i>	bitshift (description="Bit Shift", quantity="none")
	<i>Long1d</i>	packet time (description="Packetization Time", quantity="none")
	<i>Long1d</i>	obs time (description="Observation Time", quantity="none")
	<i>Int1d</i>	rowflag (description="Dataframe Flag", quantity="none")
	<i>Int1d</i>	df_transfer (description="DataFrame Transfer Counter", quantity="none")
	<i>Double1d</i>	Chopper (description="Actual chopper positions", quantity="none")
	<i>Double1d</i>	cmd_chopper (description="Commanded chopper positions", quantity="none")
	<i>Bool1d</i>	frmon_valid (description="Valid flag for Freq Monitor", quantity="none")
	<i>Double1d</i>	frequency_monitor (description="LSU Frequency Monitor", quantity="none")
	<i>Int2d</i>	LOF_code (description="Encoded info on Local Oscillator Frequency, offset and main", quantity="none")
	<i>Int1d</i>	scancount (description="Integrated Scan Count", quantity="none")
	<i>Double3d</i>	dark (description="Dark Current Data", quantity="none")
	<i>Int1d</i>	hk_transfer (description="hk_transfer", quantity="none")
	<i>Int2d</i>	Band_ATT (description="null", quantity="none")
	<i>Int1d</i>	IN_ATT (description="null", quantity="none")
	<i>Double2d</i>	hot_cold (description="Hot and cold temperatures of the Blackbody Calibrator (prime)", quantity="K")
	<i>Double1d</i>	MJC_Hor (description="Calibrated mixer junction current, horizontal b", quantity="A")
	<i>Double1d</i>	MJC_Ver (description="Calibrated mixer junction current, vertical ban", quantity="A")
	<i>Double1d</i>	LoFrequency (description="Local Oscillator Frequency", quantity="GHz [1.0E9 Hz]")
	<i>Double1d</i>	integration time (description="null", quantity="s")
	<i>Int2d</i>	flag (description="flag", quantity="none")
<i>product</i>	(type="Unknown", description="Time ordered HIFI product")	
<i>Metadata</i>		
StringParameter	type (description="Product Type Identification")	
StringParameter	creator (description="Generator of this product")	
DateParameter	creationDate (description="Creation date of this product")	
StringParameter	description (description="Name of this product")	
StringParameter	instrument (description="Instrument attached to this product")	
StringParameter	modelName (description="Model name attached to this product")	
DateParameter	startDate (description="Start date of this product")	
DateParameter	endDate (description="End date of this product")	
StringParameter	interpolation (description="null")	

LongParameter	count_ds (description="Number of datasets in this product")
LongParameter	last_ds (description="last dataset in this product")
table dataset	(description="null")
Metadata	
StringId	type (description="List of types for each block", quantity="none")
IntId	start (description="Start index for each block", quantity="none")
IntId	length (description="Length of each block", quantity="none")

2.2. HifiTimelineProduct derived Calibration Products

2.2.1. FreqRanges

<i>product (type="Calibration", description="Frequency Ranges / Drift")</i>	
Metadata	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
LongParameter	version (description="Version of this product")
StringParameter	name (description="Name of this product")
StringParameter	author (description="author of this product")
StringParameter	origin (description="site that created the product")
StringParameter	telescope (description="name of telescope")
DoubleParameter	ra (description="actual RA of pointing")
DoubleParameter	dec (description="actual DEC of pointing")
DoubleParameter	raNominal (description="requested RA of pointing")
DoubleParameter	decNominal (description="requested DEC of pointing")

StringParameter	raDeSys (description="coordinate reference frame for RA and DEC")
DoubleParameter	posAngle (description="position angle from North in sky")
DoubleParameter	equinox (description="Equinox of the celestial coordinate system")
StringParameter	formatVersion (description="Version of the product format")
<i>table dataset</i>	(description="null")
<i>Metadata</i>	
LongParameter	startObsTime (description="null")
LongParameter	endObsTime (description="null")
LongParameter	datasets_1 (description="null")
LongParameter	datasets_2 (description="null")
LongParameter	datasets_3 (description="null")
LongParameter	datasets_4 (description="null")
LongParameter	datasets_5 (description="null")
LongParameter	datasets_6 (description="null")
LongParameter	datasets_7 (description="null")
LongParameter	datasets_8 (description="null")
LongParameter	datasets_9 (description="null")
LongParameter	datasets_10 (description="null")
LongParameter	datasets_11 (description="null")
LongParameter	datasets_12 (description="null")
LongParameter	datasets_13 (description="null")
StringParameter	frequencyGroup (description="null")
<i>compos-ite</i>	(description="History of product")
<i>Metadata</i>	
LongParameter	id (description="Unique ID")
<i>table dataset</i>	(description="History as Jython script")
<i>Metadata</i>	
StringParameter	outvar (description="last output variable")
<i>StringId</i>	Lines (description="script lines", quantity="none")
<i>table dataset</i>	(description="History of tasks")
<i>Metadata</i>	
<i>LongId</i>	ID (description="Links the parameter and task table", quantity="none")
<i>StringId</i>	Name (description="The name of the task", quantity="none")
<i>LongId</i>	ExecDate (description="Time of execution (FINETIME)", quantity="none")
<i>BoolId</i>	Succeeded (description="Flag for success/failed", quantity="none")
<i>LongId</i>	HistoryId (description="Id of current history", quantity="none")
<i>table dataset</i>	(description="The parameters belonging to the task history")

<i>Metadata</i>	
<i>LongId</i>	TaskID (description="Links the parameter and task table", quantity="none")
<i>StringId</i>	Name (description="The name of the parameter", quantity="none")
<i>StringId</i>	Type (description="Type of parameter", quantity="none")
<i>StringId</i>	Value (description="String representation of the parameter value", quantity="none")
<i>BoolId</i>	IsDefault (description="True if the default value has been used", quantity="none")
<i>LongId</i>	IncHistoryId (description="ID of the history of an included product", quantity="none")
<i>IntId</i>	IncNumTask (description="Number of tasks to include from history", quantity="none")
<i>LongId</i>	HistoryId (description="Id of current history", quantity="none")
<i>BoolId</i>	UserInput (description="Needs user input", quantity="none")

2.2.2. CalFluxHotCold

<i>map context (type="Calibration", description="Hot-Cold calibration.")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
LongParameter	version (description="Version of this product")
StringParameter	name (description="Name of this product")
StringParameter	author (description="author of this product")
StringParameter	origin (description="site that created the product")
StringParameter	telescope (description="name of telescope")
DoubleParameter	ra (description="actual RA of pointing")
DoubleParameter	dec (description="actual DEC of pointing")
DoubleParameter	raNominal (description="requested RA of pointing")
DoubleParameter	decNominal (description="requested DEC of pointing")
StringParameter	raDeSys (description="coordinate reference frame for RA and DEC")
DoubleParameter	posAngle (description="position angle from North in sky")

DoubleParameter	equinox (description="Equinox of the celestial coordinate system")
StringParameter	formatVersion (description="Version of the product format")
LongParameter	count_ds (description="Number of datasets in this product")
LongParameter	last_ds (description="last dataset in this product")
<i>product</i>	(<i>type="herschel.ia.dataset.Product(HifiSpectrumDataset)", description="HRS Spectrum Dataset"</i>)
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="null")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
DateParameter	DATE_OBS (description="Start date of this product")
LongParameter	apid (description="Apid")
LongParameter	obsid (description="Observation id")
StringParameter	backend (description="Spectrograph: WBS or HRS")
LongParameter	channels (description="Number of Channels")
StringParameter	rowflag_14 (description="Correction of Bbid, see SPR 1963. value = 16384")
StringParameter	rowflag_8 (description="HK could not be aligned with DataFrames. value")
LongParameter	OBS-revision (description="On Board Software revision")
LongParameter	OBS-version (description="On Board Software version")
LongParameter	OBS-patch (description="On Board Software patch level")
StringParameter	Band (description="Active band")
StringParameter	sds_type (description="Generalized Building Block type")
StringParameter	author (description="author of this product")
StringParameter	origin (description="site that created the product")
StringParameter	telescope (description="name of telescope")
LongParameter	odNumber (description="Operational day number")
StringParameter	AOT (description="Observation template (same as obsMode)")
StringParameter	obsMode (description="Observing mode")
LongParameter	proposal (description="Proposal identifier")
StringParameter	observer (description="proposer of the observation")
StringParameter	object (description="Target of Observation")
StringParameter	naifId (description="Solar system object NAIF identifier")
DoubleParameter	ra (description="actual RA of pointing")
DoubleParameter	dec (description="actual DEC of pointing")
DoubleParameter	raNominal (description="requested RA of pointing")
DoubleParameter	decNominal (description="requested DEC of pointing")

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StringParameter	raDeSys (description="coordinate reference frame for RA and DEC")
DoubleParameter	posAngle (description="position angle from North in sky")
DoubleParameter	equinox (description="Equinox of the celestial coordinate system")
StringParameter	version (description="Version of the product")
StringParameter	formatVersion (description="Version of the product format")
StringParameter	fileName (description="filename for exporting purposes")
BooleanParameter	Valid (description="null")
LongParameter	subbands (description="null")
BooleanParameter	hassubbands (description="Whether it has subbands")
StringParameter	wavename (description="Actual name of the WaveColumn")
LongParameter	subbandstart_1 (description="null")
LongParameter	subbandlength_1 (description="null")
LongParameter	subbandstart_2 (description="null")
LongParameter	subbandlength_2 (description="null")
StringParameter	frequencyGroup (description="null")
DoubleParameter	loFrequency (description="null")
DoubleParameter	loThrow (description="null")
StringParameter	cal_type (description="null")
<i>table dataset</i> (description="HRS Spectrum Dataset")	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="null")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	DATE_OBS (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
LongParameter	apid (description="Apid")
LongParameter	obsid (description="Observation id")
StringParameter	backend (description="Spectrograph: WBS or HRS")
LongParameter	channels (description="Number of Channels")
StringParameter	rowflag_14 (description="Correction of Bbid, see SPR 1963. value = 16384")
StringParameter	rowflag_8 (description="HK could not be aligned with DataFrames. value")
LongParameter	OBS-revision (description="On Board Software revision")
LongParameter	OBS-version (description="On Board Software version")
LongParameter	OBS-patch (description="On Board Software patch level")
StringParameter	Band (description="Active band")
StringParameter	sds_type (description="Generalized Building Block type")

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StringParameter	author (description="author of this product")
StringParameter	origin (description="site that created the product")
StringParameter	telescope (description="name of telescope")
LongParameter	odNumber (description="Operational day number")
StringParameter	AOT (description="Observation template (same as obsMode)")
StringParameter	obsMode (description="Observing mode")
LongParameter	proposal (description="Proposal identifier")
StringParameter	observer (description="proposer of the observation")
StringParameter	object (description="Target of Observation")
StringParameter	naifId (description="Solar system object NAIF identifier")
DoubleParameter	ra (description="actual RA of pointing")
DoubleParameter	dec (description="actual DEC of pointing")
DoubleParameter	raNominal (description="requested RA of pointing")
DoubleParameter	decNominal (description="requested DEC of pointing")
StringParameter	raDeSys (description="coordinate reference frame for RA and DEC")
DoubleParameter	posAngle (description="position angle from North in sky")
DoubleParameter	equinox (description="Equinox of the celestial coordinate system")
StringParameter	version (description="Version of the product")
StringParameter	formatVersion (description="Version of the product format")
StringParameter	fileName (description="filename for exporting purposes")
BooleanParameter	Valid (description="null")
LongParameter	subbands (description="null")
BooleanParameter	hasSubbands (description="Whether it has subbands")
StringParameter	wavename (description="Actual name of the WaveColumn")
LongParameter	subbandstart_1 (description="null")
LongParameter	subbandlength_1 (description="null")
LongParameter	subbandstart_2 (description="null")
LongParameter	subbandlength_2 (description="null")
StringParameter	frequencyGroup (description="null")
DoubleParameter	loFrequency (description="null")
DoubleParameter	loThrow (description="null")
StringParameter	cal_type (description="null")
<i>Double2d</i>	flux_1 (description="null", quantity="none")
<i>Double2d</i>	frequency_1 (description="null", quantity="none")
<i>Double2d</i>	flux_2 (description="null", quantity="none")
<i>Double2d</i>	frequency_2 (description="null", quantity="none")
<i>Bool1d</i>	frmon_valid (description="Valid flag for Freq Monitor", quantity="none")
<i>Int1d</i>	rowflag (description="Dataframe Flag", quantity="none")
<i>Int1d</i>	bbtype (description="Building Block Type", quantity="none")
<i>Double1d</i>	Chopper (description="Actual chopper positions", quantity="none")

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<i>Double1d</i>	cmd_chopper (description="Commanded chopper positions", quantity="none")
<i>Double2d</i>	hot_cold (description="Hot and cold temperatures of the Blackbody Calibrator (prime)", quantity="K")
<i>Double1d</i>	LoFrequency (description="Local Oscillator Frequency", quantity="GHz [1.0E9 Hz]")
<i>Int1d</i>	integrations (description="Number of Integrations", quantity="none")
<i>Long1d</i>	packet time (description="Packetization Time", quantity="none")
<i>Double2d</i>	integration time (description="Integration duration in seconds", quantity="s")
<i>Long1d</i>	obs time (description="Observation Time", quantity="none")
<i>String1d</i>	Pol_S (description="Polar used : H/V", quantity="none")
<i>Int2d</i>	LO_S (description="Status of the LO : Locked (=1) / Unlocked (=0)", quantity="none")
<i>String1d</i>	Unit_ID_S (description="Unit used : QM/FM", quantity="none")
<i>Int2d</i>	type (description="null", quantity="none")
<i>Int1d</i>	buffer (description="Integration Buffer", quantity="none")
<i>Bool2d</i>	blockselection (description="Block Selection", quantity="none")
<i>Int1d</i>	df_transfer (description="DataFrame Transfer Counter", quantity="none")
<i>Double2d</i>	LO_F (description="LO Frequency values", quantity="MHz [1000000.0 Hz]")
<i>Double1d</i>	IF_5P_V (description="IF voltage for +5V", quantity="V")
<i>String1d</i>	Switch_S (description="Status of the input IF Switch : H/V", quantity="none")
<i>Double2d</i>	ACS_T (description="ACS Temperature values", quantity="C [274.15 K]")
<i>Double1d</i>	IF_6P_V (description="IF voltage for +6V", quantity="V")
<i>Double1d</i>	ACS_18P_V (description="ACS voltage for +18V", quantity="V")
<i>Double1d</i>	MJC_Ver (description="Calibrated mixer junction current, vertical ban", quantity="A")
<i>Int2d</i>	channels (description="null", quantity="none")
<i>Double2d</i>	IF_T (description="IF Temperature values", quantity="C [274.15 K]")
<i>String1d</i>	Buffer_S (description="Buffer for ACS integration : BufferA/BufferB", quantity="none")
<i>Double1d</i>	MJC_Hor (description="Calibrated mixer junction current, horizontal b", quantity="A")
<i>Int2d</i>	LO_F_raw (description="LO Frequency raw values", quantity="MHz [1000000.0 Hz]")
<i>Double1d</i>	ACS_Ana_1_3P3_V (description="ACS voltage for +3.3V (analog1)", quantity="V")
<i>Int2d</i>	sampler (description="null", quantity="none")
<i>Double2d</i>	corrVSigma (description="null", quantity="none")
<i>Double1d</i>	ACS_5P_V (description="ACS voltage for +5V", quantity="V")
<i>Double1d</i>	ACS_8P_V (description="ACS voltage for +8V", quantity="V")
<i>Int1d</i>	bbnumber (description="Building Block Number", quantity="none")

<i>Double2d</i>	mSigma (description="null", quantity="none")
<i>Double1d</i>	ACS_Dig_3P3_V (description="ACS voltage for +3.3V (digital)", quantity="V")
<i>Int1d</i>	nrbytes (description="Number of Bytes", quantity="none")
<i>Double2d</i>	Attenuators (description="IRM attenuator values : 0-15.5 dB", quantity="dB [1.2589254117941673]")
<i>Int2d</i>	resolution (description="null", quantity="none")
<i>Int2d</i>	colorIndex (description="null", quantity="none")
<i>Double1d</i>	IF_8P_V (description="IF voltage for +8V", quantity="V")
<i>Int2d</i>	LOF_code (description="Encoded info on Local Oscillator Frequency, offset and main", quantity="none")
<i>Double1d</i>	IF_5M_V (description="IF voltage for -5V", quantity="V")
<i>Double1d</i>	IF_18P_V (description="IF voltage for +18V", quantity="V")
<i>Int1d</i>	hk_transfer (description="hk_transfer", quantity="none")
<i>Int2d</i>	cuts (description="null", quantity="none")
<i>Double1d</i>	DCDC_1P1_C (description="DCDC current value for +1.1V", quantity="A")
<i>Int1d</i>	bitshift (description="Bit Shift", quantity="none")
<i>Double1d</i>	DCDC_5P_C (description="DCDC current value for +5V", quantity="A")
<i>Int1d</i>	sequence number (description="Integration Sequence Number", quantity="none")
<i>Double1d</i>	DCDC_3P3_C (description="DCDC current value for +3.3V", quantity="A")
<i>Bool1d</i>	isHot (description="null", quantity="none")
<i>Int2d</i>	duration (description="Integration Duration", quantity="none")
<i>Double2d</i>	DCDC_T (description="DCDC Temperature values", quantity="C [274.15 K]")
<i>Double1d</i>	ACS_5M_V (description="ACS voltage for -5V", quantity="V")
<i>Double1d</i>	DCDC_18P_C (description="DCDC current value for +18V", quantity="A")
<i>Double1d</i>	ACS_Ana_1P1_V (description="ACS voltage for +1.1V (analog)", quantity="V")
<i>Double1d</i>	DCDC_8P_C (description="DCDC current value for +8V", quantity="A")
<i>Double1d</i>	ACS_Ana_2_3P3_V (description="ACS voltage for +3.3V (analog2)", quantity="V")
<i>Double1d</i>	DCDC_5M_C (description="DCDC current value for -5V", quantity="A")
<i>product</i>	(type="herschel.ia.dataset.Product(HifiSpectrumDataset)", description="HRS Spectrum Dataset")
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")

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StringParameter	instrument (description="null")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
DateParameter	DATE_OBS (description="Start date of this product")
LongParameter	apid (description="Apid")
LongParameter	obsid (description="Observation id")
StringParameter	backend (description="Spectrograph: WBS or HRS")
LongParameter	channels (description="Number of Channels")
StringParameter	rowflag_14 (description="Correction of Bbid, see SPR 1963. value = 16384")
StringParameter	rowflag_8 (description="HK could not be aligned with DataFrames. value")
LongParameter	OBS-revision (description="On Board Software revision")
LongParameter	OBS-version (description="On Board Software version")
LongParameter	OBS-patch (description="On Board Software patch level")
StringParameter	Band (description="Active band")
StringParameter	sds_type (description="Generalized Building Block type")
StringParameter	author (description="author of this product")
StringParameter	origin (description="site that created the product")
StringParameter	telescope (description="name of telescope")
LongParameter	odNumber (description="Operational day number")
StringParameter	AOT (description="Observation template (same as obsMode)")
StringParameter	obsMode (description="Observing mode")
LongParameter	proposal (description="Proposal identifier")
StringParameter	observer (description="proposer of the observation")
StringParameter	object (description="Target of Observation")
StringParameter	naifId (description="Solar system object NAIF identifier")
DoubleParameter	ra (description="actual RA of pointing")
DoubleParameter	dec (description="actual DEC of pointing")
DoubleParameter	raNominal (description="requested RA of pointing")
DoubleParameter	decNominal (description="requested DEC of pointing")
StringParameter	raDeSys (description="coordinate reference frame for RA and DEC")
DoubleParameter	posAngle (description="position angle from North in sky")
DoubleParameter	equinox (description="Equinox of the celestial coordinate system")
StringParameter	version (description="Version of the product")
StringParameter	formatVersion (description="Version of the product format")
StringParameter	fileName (description="filename for exporting purposes")
BooleanParameter	Valid (description="null")
LongParameter	subbands (description="null")
BooleanParameter	hasSubbands (description="Whether it has subbands")
StringParameter	wavename (description="Actual name of the WaveColumn")
LongParameter	subbandstart_1 (description="null")

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LongParameter	subbandlength_1 (description="null")
LongParameter	subbandstart_2 (description="null")
LongParameter	subbandlength_2 (description="null")
StringParameter	frequencyGroup (description="null")
DoubleParameter	loFrequency (description="null")
DoubleParameter	loThrow (description="null")
StringParameter	cal_type (description="null")
<i>table dataset</i>	<i>(description="HRS Spectrum Dataset")</i>
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="null")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	DATE_OBS (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
LongParameter	apid (description="Apid")
LongParameter	obsid (description="Observation id")
StringParameter	backend (description="Spectrograph: WBS or HRS")
LongParameter	channels (description="Number of Channels")
StringParameter	rowflag_14 (description="Correction of Bbid, see SPR 1963. value = 16384")
StringParameter	rowflag_8 (description="HK could not be aligned with DataFrames. value")
LongParameter	OBS-revision (description="On Board Software revision")
LongParameter	OBS-version (description="On Board Software version")
LongParameter	OBS-patch (description="On Board Software patch level")
StringParameter	Band (description="Active band")
StringParameter	sds_type (description="Generalized Building Block type")
StringParameter	author (description="author of this product")
StringParameter	origin (description="site that created the product")
StringParameter	telescope (description="name of telescope")
LongParameter	odNumber (description="Operational day number")
StringParameter	AOT (description="Observation template (same as obsMode)")
StringParameter	obsMode (description="Observing mode")
LongParameter	proposal (description="Proposal identifier")
StringParameter	observer (description="proposer of the observation")
StringParameter	object (description="Target of Observation")
StringParameter	naifId (description="Solar system object NAIF identifier")
DoubleParameter	ra (description="actual RA of pointing")

DoubleParameter	dec (description="actual DEC of pointing")
DoubleParameter	raNominal (description="requested RA of pointing")
DoubleParameter	decNominal (description="requested DEC of pointing")
StringParameter	raDeSys (description="coordinate reference frame for RA and DEC")
DoubleParameter	posAngle (description="position angle from North in sky")
DoubleParameter	equinox (description="Equinox of the celestial coordinate system")
StringParameter	version (description="Version of the product")
StringParameter	formatVersion (description="Version of the product format")
StringParameter	fileName (description="filename for exporting purposes")
BooleanParameter	Valid (description="null")
LongParameter	subbands (description="null")
BooleanParameter	hassubbands (description="Whether it has subbands")
StringParameter	wavename (description="Actual name of the WaveColumn")
LongParameter	subbandstart_1 (description="null")
LongParameter	subbandlength_1 (description="null")
LongParameter	subbandstart_2 (description="null")
LongParameter	subbandlength_2 (description="null")
StringParameter	frequencyGroup (description="null")
DoubleParameter	loFrequency (description="null")
DoubleParameter	loThrow (description="null")
StringParameter	cal_type (description="null")
<i>Double2d</i>	flux_1 (description="null", quantity="none")
<i>Double2d</i>	frequency_1 (description="null", quantity="none")
<i>Double2d</i>	flux_2 (description="null", quantity="none")
<i>Double2d</i>	frequency_2 (description="null", quantity="none")
<i>Bool1d</i>	frmon_valid (description="Valid flag for Freq Monitor", quantity="none")
<i>Int1d</i>	rowflag (description="Dataframe Flag", quantity="none")
<i>Int1d</i>	bbtype (description="Building Block Type", quantity="none")
<i>Double1d</i>	Chopper (description="Actual chopper positions", quantity="none")
<i>Double1d</i>	cmd_chopper (description="Commanded chopper positions", quantity="none")
<i>Double2d</i>	hot_cold (description="Hot and cold temperatures of the Blackbody Calibrator (prime)", quantity="K")
<i>Double1d</i>	LoFrequency (description="Local Oscillator Frequency", quantity="GHz [1.0E9 Hz]")
<i>Int1d</i>	integrations (description="Number of Integrations", quantity="none")
<i>Long1d</i>	packet time (description="Packetization Time", quantity="none")
<i>Double2d</i>	integration time (description="Integration duration in seconds", quantity="s")
<i>Long1d</i>	obs time (description="Observation Time", quantity="none")
<i>String1d</i>	Pol_S (description="Polar used : H/V", quantity="none")

<i>Int2d</i>	LO_S (description="Status of the LO : Locked (=1) / Unlocked (=0)", quantity="none")
<i>String1d</i>	Unit_ID_S (description="Unit used : QM/FM", quantity="none")
<i>Int2d</i>	type (description="null", quantity="none")
<i>Int1d</i>	buffer (description="Integration Buffer", quantity="none")
<i>Bool2d</i>	blockselection (description="Block Selection", quantity="none")
<i>Int1d</i>	df_transfer (description="DataFrame Transfer Counter", quantity="none")
<i>Double2d</i>	LO_F (description="LO Frequency values", quantity="MHz [1000000.0 Hz]")
<i>Double1d</i>	IF_5P_V (description="IF voltage for +5V", quantity="V")
<i>String1d</i>	Switch_S (description="Status of the input IF Switch : H/V", quantity="none")
<i>Double2d</i>	ACS_T (description="ACS Temperature values", quantity="C [274.15 K]")
<i>Double1d</i>	IF_6P_V (description="IF voltage for +6V", quantity="V")
<i>Double1d</i>	ACS_18P_V (description="ACS voltage for +18V", quantity="V")
<i>Double1d</i>	MJC_Ver (description="Calibrated mixer junction current, vertical ban", quantity="A")
<i>Int2d</i>	channels (description="null", quantity="none")
<i>Double2d</i>	IF_T (description="IF Temperature values", quantity="C [274.15 K]")
<i>String1d</i>	Buffer_S (description="Buffer for ACS integration : BufferA/BufferB", quantity="none")
<i>Double1d</i>	MJC_Hor (description="Calibrated mixer junction current, horizontal b", quantity="A")
<i>Int2d</i>	LO_F_raw (description="LO Frequency raw values", quantity="MHz [1000000.0 Hz]")
<i>Double1d</i>	ACS_Ana_1_3P3_V (description="ACS voltage for +3.3V (analog)", quantity="V")
<i>Int2d</i>	sampler (description="null", quantity="none")
<i>Double2d</i>	corrVSigma (description="null", quantity="none")
<i>Double1d</i>	ACS_5P_V (description="ACS voltage for +5V", quantity="V")
<i>Double1d</i>	ACS_8P_V (description="ACS voltage for +8V", quantity="V")
<i>Int1d</i>	bbnumber (description="Building Block Number", quantity="none")
<i>Double2d</i>	mSigma (description="null", quantity="none")
<i>Double1d</i>	ACS_Dig_3P3_V (description="ACS voltage for +3.3V (digital)", quantity="V")
<i>Int1d</i>	nrbytes (description="Number of Bytes", quantity="none")
<i>Double2d</i>	Attenuators (description="IRM attenuator values : 0-15.5 dB", quantity="dB [1.2589254117941673]")
<i>Int2d</i>	resolution (description="null", quantity="none")
<i>Int2d</i>	colorIndex (description="null", quantity="none")
<i>Double1d</i>	IF_8P_V (description="IF voltage for +8V", quantity="V")
<i>Int2d</i>	LOF_code (description="Encoded info on Local Oscillator Frequency, offset and main", quantity="none")

<i>Double1d</i>	IF_5M_V (description="IF voltage for -5V", quantity="V")
<i>Double1d</i>	IF_18P_V (description="IF voltage for +18V", quantity="V")
<i>Int1d</i>	hk_transfer (description="hk_transfer", quantity="none")
<i>Int2d</i>	cuts (description="null", quantity="none")
<i>Double1d</i>	DCDC_1P1_C (description="DCDC current value for +1.1V", quantity="A")
<i>Int1d</i>	bitshift (description="Bit Shift", quantity="none")
<i>Double1d</i>	DCDC_5P_C (description="DCDC current value for +5V", quantity="A")
<i>Int1d</i>	sequence number (description="Integration Sequence Number", quantity="none")
<i>Double1d</i>	DCDC_3P3_C (description="DCDC current value for +3.3V", quantity="A")
<i>Bool1d</i>	isHot (description="null", quantity="none")
<i>Int2d</i>	duration (description="Integration Duration", quantity="none")
<i>Double2d</i>	DCDC_T (description="DCDC Temperature values", quantity="C [274.15 K]")
<i>Double1d</i>	ACS_5M_V (description="ACS voltage for -5V", quantity="V")
<i>Double1d</i>	DCDC_18P_C (description="DCDC current value for +18V", quantity="A")
<i>Double1d</i>	ACS_Ana_1P1_V (description="ACS voltage for +1.1V (analog)", quantity="V")
<i>Double1d</i>	DCDC_8P_C (description="DCDC current value for +8V", quantity="A")
<i>Double1d</i>	ACS_Ana_2_3P3_V (description="ACS voltage for +3.3V (analog2)", quantity="V")
<i>Double1d</i>	DCDC_5M_C (description="DCDC current value for -5V", quantity="A")

2.2.3. CalPhases

<i>product (type="Calibration", description="Phase Information for Buffer, Chopper and LO Frequency")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")

DateParameter	endDate (description="End date of this product")
LongParameter	version (description="Version of this product")
StringParameter	name (description="Name of this product")
StringParameter	author (description="author of this product")
StringParameter	origin (description="site that created the product")
StringParameter	telescope (description="name of telescope")
DoubleParameter	ra (description="actual RA of pointing")
DoubleParameter	dec (description="actual DEC of pointing")
DoubleParameter	raNominal (description="requested RA of pointing")
DoubleParameter	decNominal (description="requested DEC of pointing")
StringParameter	raDeSys (description="coordinate reference frame for RA and DEC")
DoubleParameter	posAngle (description="position angle from North in sky")
DoubleParameter	equinox (description="Equinox of the celestial coordinate system")
StringParameter	formatVersion (description="Version of the product format")
<i>table dataset</i>	(description="null")
<i>Metadata</i>	
<i>Int1d</i>	Dataset (description="Dataset key", quantity="none")
<i>String1d</i>	type (description="List of types for each block", quantity="none")
<i>Int1d</i>	length (description="Length of each block", quantity="none")
<i>Int1d</i>	bbid (description="Unique bctype of each block", quantity="none")
<i>Bool1d</i>	isLine (description="ON/OFF", quantity="none")
<i>String1d</i>	Chopper Pattern (description="Pattern of chopper positions", quantity="none")
<i>String1d</i>	Chopper (description="Different chopper positions", quantity="none")
<i>String1d</i>	Initial Chopper (description="Initial chopper position", quantity="none")
<i>String1d</i>	LO Pattern (description="Pattern of LO frequencies", quantity="none")
<i>Double2d</i>	Lo Frequencies (description="Different LO frequencies", quantity="none")
<i>Double1d</i>	Initial LoF (description="Initial LO frequency", quantity="none")
<i>String1d</i>	Buffer Pattern (description="Pattern of buffer values", quantity="none")
<i>String1d</i>	Buffers (description="Different buffer values", quantity="none")
<i>Int1d</i>	Initial Buffer (description="Initial buffer", quantity="none")
<i>compos-ite</i>	(description="History of product")

<i>Metadata</i>	
LongParameter	id (description="Unique ID")
<i>table dataset</i>	(description="History as Jython script")
<i>Metadata</i>	
StringParameter	outvar (description="last output variable")
<i>StringId</i>	Lines (description="script lines", quantity="none")
<i>table dataset</i>	(description="History of tasks")
<i>Metadata</i>	
<i>LongId</i>	ID (description="Links the parameter and task table", quantity="none")
<i>StringId</i>	Name (description="The name of the task", quantity="none")
<i>LongId</i>	ExecDate (description="Time of execution (FINETIME)", quantity="none")
<i>BoolId</i>	Succeeded (description="Flag for success/failed", quantity="none")
<i>LongId</i>	HistoryId (description="Id of current history", quantity="none")
<i>table dataset</i>	(description="The parameters belonging to the task history")
<i>Metadata</i>	
<i>LongId</i>	TaskID (description="Links the parameter and task table", quantity="none")
<i>StringId</i>	Name (description="The name of the parameter", quantity="none")
<i>StringId</i>	Type (description="Type of parameter", quantity="none")
<i>StringId</i>	Value (description="String representation of the parameter value", quantity="none")
<i>BoolId</i>	IsDefault (description="True if the default value has been used", quantity="none")
<i>LongId</i>	IncHistoryId (description="ID of the history of an included product", quantity="none")
<i>IntId</i>	IncNumTask (description="Number of tasks to include from history", quantity="none")
<i>LongId</i>	HistoryId (description="Id of current history", quantity="none")
<i>BoolId</i>	UserInput (description="Needs user input", quantity="none")

2.3. HIFI Quality Products

2.3.1. QHtpLevel0

<i>product (type="HifiQualityProduct", description="Level 0 Quality Product")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")

DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
LongParameter	version (description="Version of this product")
StringParameter	name (description="Name of this product")
table dataset	(description="null")
Metadata	
IntId	dataset (description="Numbers of the datasets", quantity="none")
StringId	type (description="List of types for each block", quantity="none")
IntId	Bbid (description="Building Block Id", quantity="none")
IntId	start (description="Start index for each block", quantity="none")
IntId	length (description="Length of each block", quantity="none")
IntId	unalignedHKdata (description="unalignedHKdata", quantity="none")
IntId	noChopperHKdata (description="noChopperHKdata", quantity="none")
IntId	noCommandedChopperHKdata (description="noCommandedChopperHKdata", quantity="none")
IntId	noFrequencyMonitorHKdata (description="noFrequencyMonitorHKdata", quantity="none")
IntId	noLoCodeOffsetHKdata (description="noLoCodeOffsetHKdata", quantity="none")
IntId	noLoCodeMainHKdata (description="noLoCodeMainHKdata", quantity="none")
IntId	bbidCorrection (description="bbidCorrection", quantity="none")

2.3.2. QWbsFreq

<i>product (type="HifiQualityContext", description="context for Comb checks")</i>	
Metadata	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
BooleanParameter	COMB 0 (description="Check of COMB 0")
BooleanParameter	checkComb (description="Flag for all COMB of the observation")

BooleanParameter	spikeNumberFlag (description="Flag for the spikes all COMB of the observation")
LongParameter	spikeNumber (description="Maximum number of spikes detected in a Comb")
table dataset	(description="null")
Metadata	
StringId	name (description="name", quantity="none")
BoolId	flagComb (description="flagComb", quantity="none")
Double2d	resolution (description="resolution", quantity="none")
Double2d	dynamic range (description="dynamic range", quantity="none")
Double2d	efficiency (description="efficiency", quantity="none")
Double2d	ripple (description="ripple", quantity="none")
Double2d	RMS of (real comb freq - fit) (description="RMS of (real comb freq - fit)", quantity="none")
compos-ite	(description="History of product")
Metadata	
LongParameter	id (description="Unique ID")
table dataset	(description="History as Jython script")
Metadata	
StringParameter	outvar (description="last output variable")
StringId	Lines (description="script lines", quantity="none")
table dataset	(description="History of tasks")
Metadata	
LongId	ID (description="Links the parameter and task table", quantity="none")
StringId	Name (description="The name of the task", quantity="none")
LongId	ExecDate (description="Time of execution (FINETIME)", quantity="none")
BoolId	Succeeded (description="Flag for success/failed", quantity="none")
LongId	HistoryId (description="Id of current history", quantity="none")
table dataset	(description="The parameters belonging to the task history")
Metadata	
LongId	TaskID (description="Links the parameter and task table", quantity="none")
StringId	Name (description="The name of the parameter", quantity="none")
StringId	Type (description="Type of parameter", quantity="none")
StringId	Value (description="String representation of the parameter value", quantity="none")
BoolId	IsDefault (description="True if the default value has been used", quantity="none")
LongId	IncHistoryId (description="ID of the history of an included product", quantity="none")
IntId	IncNumTask (description="Number of tasks to include from history", quantity="none")
LongId	HistoryId (description="Id of current history", quantity="none")

<i>BoolId</i>	UserInput (description="Needs user input", quantity="none")

2.3.3. QWbsComb

<i>map context (type="HifiQualityContext", description="Unknown")</i>	
<i>Metada- ta</i>	
StringParam- eter	type (description="Product Type Identification")
StringParam- eter	creator (description="Generator of this product")
DateParame- ter	creationDate (description="Creation date of this product")
StringParam- eter	description (description="Name of this product")
StringParam- eter	instrument (description="Instrument attached to this product")
StringParam- eter	modelName (description="Model name attached to this product")
DateParame- ter	startDate (description="Start date of this product")
DateParame- ter	endDate (description="End date of this product")
LongParame- ter	version (description="Version of this product")
StringParam- eter	name (description="Name of this product")
BooleanPa- rameter	checkComb (description="The global result of ccd COMB checks")
<i>product</i>	<i>(type="Quality", description="The Ccd-COMB quality product. It contains the gaussian parameter fit of the comb lines")</i>
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
LongParameter	version (description="Version of this product")
StringParameter	name (description="Name of this product")
BooleanParameter	spikeNumberFlag (description="Flag for number of spikes")
LongParameter	spikeNumber (description="Number of spike in the Comb")
<i>table dataset</i>	<i>(description="spike detected")</i>

<i>Metadata</i>	
<i>Int1d</i>	spike mask (description="spike mask", quantity="none")
<i>product</i>	(type="Quality", description="The Ccd-COMB quality product. It contains the gaussian parameter fit of the comb lines")
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
LongParameter	version (description="Version of this product")
StringParameter	name (description="Name of this product")
DoubleParameter	resolution (description="Average resolution of this CCD")
LongParameter	ccd id (description="ccd n.")
DoubleParameter	dynamic range (description="Dynamic range of the base, after the lines are removed")
DoubleParameter	efficiency (description="Averaged of the Power after the first and last line are removed")
DoubleParameter	ripple (description="From the the power reduct maximum and minimum is calculated theRipple [db]: 10 *ln(maxPower/minPower)")
DoubleParameter	RMS of (real comb freq - fit) (description="RMS of (real comb freq - fit)")
<i>table dataset</i>	(description="gaussian lines")
<i>Metadata</i>	
<i>Double2d</i>	line standard deviation (description="line standard deviation", quantity="none")
<i>Double1d</i>	line amplitude (description="line amplitude", quantity="none")
<i>Double1d</i>	line resolution (description="line resolution", quantity="none")
<i>Double1d</i>	line position (description="line position", quantity="none")
<i>Double1d</i>	line power (description="line power", quantity="none")
<i>Double1d</i>	line frequency (description="line frequency", quantity="MHz [1000000.0 Hz]")
<i>product</i>	(type="Quality", description="The Ccd-COMB quality product. It contains the gaussian parameter fit of the comb lines")
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")

DateParameter	endDate (description="End date of this product")
LongParameter	version (description="Version of this product")
StringParameter	name (description="Name of this product")
DoubleParameter	resolution (description="Average resolution of this CCD")
LongParameter	ccd id (description="ccd n.")
DoubleParameter	dynamic range (description="Dynamic range of the base, after the lines are removed")
DoubleParameter	efficiency (description="Averaged of the Power after the first and last line are removed")
DoubleParameter	ripple (description="From the the power reduct maximum and minimum is calculated theRipple [db]: $10 * \ln(\maxPower/\minPower)$ ")
DoubleParameter	RMS of (real comb freq - fit) (description="RMS of (real comb freq - fit)")
<i>table dataset</i>	<i>(description="gaussian lines")</i>
<i>Metadata</i>	
<i>Double2d</i>	line standard deviation (description="line standard deviation", quantity="none")
<i>Double1d</i>	line amplitude (description="line amplitude", quantity="none")
<i>Double1d</i>	line resolution (description="line resolution", quantity="none")
<i>Double1d</i>	line position (description="line position", quantity="none")
<i>Double1d</i>	line power (description="line power", quantity="none")
<i>Double1d</i>	line frequency (description="line frequency", quantity="MHz [1000000.0 Hz]")
<i>product</i>	<i>(type="Quality", description="The Ccd-COMB quality product. It contains the gaussian parameter fit of the comb lines")</i>
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
LongParameter	version (description="Version of this product")
StringParameter	name (description="Name of this product")
DoubleParameter	resolution (description="Average resolution of this CCD")
LongParameter	ccd id (description="ccd n.")
DoubleParameter	dynamic range (description="Dynamic range of the base, after the lines are removed")
DoubleParameter	efficiency (description="Averaged of the Power after the first and last line are removed")
DoubleParameter	ripple (description="From the the power reduct maximum and minimum is calculated theRipple [db]: $10 * \ln(\maxPower/\minPower)$ ")
DoubleParameter	RMS of (real comb freq - fit) (description="RMS of (real comb freq - fit)")

<i>table dataset</i>	<i>(description="gaussian lines")</i>	
<i>Metadata</i>		
<i>Double2d</i>	line standard deviation	(description="line standard deviation", quantity="none")
<i>Double1d</i>	line amplitude	(description="line amplitude", quantity="none")
<i>Double1d</i>	line resolution	(description="line resolution", quantity="none")
<i>Double1d</i>	line position	(description="line position", quantity="none")
<i>Double1d</i>	line power	(description="line power", quantity="none")
<i>Double1d</i>	line frequency	(description="line frequency", quantity="MHz [1000000.0 Hz]")
<i>product</i>	<i>(type="Quality", description="The Ccd-COMB quality product. It contains the gaussian parameter fit of the comb lines")</i>	
<i>Metadata</i>		
StringParameter	type	(description="Product Type Identification")
StringParameter	creator	(description="Generator of this product")
DateParameter	creationDate	(description="Creation date of this product")
StringParameter	description	(description="Name of this product")
StringParameter	instrument	(description="Instrument attached to this product")
StringParameter	modelName	(description="Model name attached to this product")
DateParameter	startDate	(description="Start date of this product")
DateParameter	endDate	(description="End date of this product")
LongParameter	version	(description="Version of this product")
StringParameter	name	(description="Name of this product")
DoubleParameter	resolution	(description="Average resolution of this CCD")
LongParameter	ccd id	(description="ccd n.")
DoubleParameter	dynamic range	(description="Dynamic range of the base, after the lines are removed")
DoubleParameter	efficiency	(description="Averaged of the Power after the first and last line are removed")
DoubleParameter	ripple	(description="From the the power reduct maximum and minimum is calculated theRipple [db]: $10 * \ln(\maxPower/\minPower)$ ")
DoubleParameter	RMS of (real comb freq - fit)	(description="RMS of (real comb freq - fit)")
<i>table dataset</i>	<i>(description="gaussian lines")</i>	
<i>Metadata</i>		
<i>Double2d</i>	line standard deviation	(description="line standard deviation", quantity="none")
<i>Double1d</i>	line amplitude	(description="line amplitude", quantity="none")
<i>Double1d</i>	line resolution	(description="line resolution", quantity="none")
<i>Double1d</i>	line position	(description="line position", quantity="none")
<i>Double1d</i>	line power	(description="line power", quantity="none")
<i>Double1d</i>	line frequency	(description="line frequency", quantity="MHz [1000000.0 Hz]")

2.3.4. QWbsZero

<i>product</i> (type="HifiQualityProduct", description="The Zero check")	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
LongParameter	version (description="Version of this product")
StringParameter	name (description="Name of this product")
BooleanParameter	checkZero (description="The global result of zero checks")
DoubleParameter	threshold maximum (description="threshold maximum")
DoubleParameter	threshold minimum (description="threshold minimum")
DoubleParameter	threshold average maximum (description="threshold average maximum")
DoubleParameter	threshold average minimum (description="threshold average minimum")
DoubleParameter	threshold variance (description="threshold variance")
<i>table dataset</i>	(description="Zero quality table")
<i>Metadata</i>	
<i>DoubleId</i>	maximum (description="maximum", quantity="none")
<i>DoubleId</i>	minimum (description="minimum", quantity="none")
<i>DoubleId</i>	average (description="average", quantity="none")
<i>DoubleId</i>	variance (description="variance", quantity="none")
<i>BoolId</i>	flag (description="flag", quantity="none")
<i>LongId</i>	time (description="time", quantity="none")
<i>compos-ite</i>	(description="History of product")
<i>Metadata</i>	
LongParameter	id (description="Unique ID")
<i>table dataset</i>	(description="History as Jython script")

<i>Metadata</i>	
StringParameter	outvar (description="last output variable")
StringId	Lines (description="script lines", quantity="none")
table dataset	(description="History of tasks")
<i>Metadata</i>	
LongId	ID (description="Links the parameter and task table", quantity="none")
StringId	Name (description="The name of the task", quantity="none")
LongId	ExecDate (description="Time of execution (FINETIME)", quantity="none")
BoolId	Succeeded (description="Flag for success/failed", quantity="none")
LongId	HistoryId (description="Id of current history", quantity="none")
table dataset	(description="The parameters belonging to the task history")
<i>Metadata</i>	
LongId	TaskID (description="Links the parameter and task table", quantity="none")
StringId	Name (description="The name of the parameter", quantity="none")
StringId	Type (description="Type of parameter", quantity="none")
StringId	Value (description="String representation of the parameter value", quantity="none")
BoolId	IsDefault (description="True if the default value has been used", quantity="none")
LongId	IncHistoryId (description="ID of the history of an included product", quantity="none")
IntId	IncNumTask (description="Number of tasks to include from history", quantity="none")
LongId	HistoryId (description="Id of current history", quantity="none")
BoolId	UserInput (description="Needs user input", quantity="none")

Chapter 3. PACS Observation Products

3.1. PACS Photometry Level-0 Products

3.1.1. HPPRAWBS: Photometer Raw Data (Readouts stored in a TableDataset)

<i>product</i> (type="HPPRAWBS", description="Photometer Raw Data (Readouts stored in a TableDataset)")	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	camName (description="Name of the Camera")
LongParameter	detRow (description="Number of detector rows")
LongParameter	detCol (description="Number of detector columns")
BooleanParameter	Initialized (description="null")
DoubleParameter	Apid (description="null")
DoubleParameter	subType (description="null")
DoubleParameter	compVersion (description="null")
DoubleParameter	algoNumber (description="null")
StringParameter	algorithm (description="null")
DoubleParameter	compNumber (description="null")
StringParameter	compMode (description="null")
DoubleParameter	dxid (description="null")
LongParameter	RELTIMEOFFSET (description="null")
StringParameter	fileName (description="null")
<i>table dataset</i>	(description="Table for science data.")
<i>Metadata</i>	
<i>Int1d</i>	detnum (description="null", quantity="none")
<i>Int1d</i>	row (description="null", quantity="none")
<i>Int1d</i>	column (description="null", quantity="none")
<i>Int1d</i>	reset (description="null", quantity="none")
<i>Double2d</i>	readouts (description="null", quantity="none")

<i>table</i>	<i>(description="Status")</i>	
<i>dataset</i>		
<i>Metadata</i>		
StringParameter	MODE (description="null")	
LongParameter	DIM1 (description="Number of measures per status parameter")	
LongParameter	DIM2 (description="Number of measures per status parameter")	
<i>Int1d</i>	RESETINDEX (description="Indicates the reset index of the status parameter", quantity="none")	
<i>Long1d</i>	OBSID (description="Identifier of the observation", quantity="none")	
<i>Int1d</i>	BBID (description="Building block type", quantity="none")	
<i>Int2d</i>	LBL (description="Label", quantity="none")	
<i>Int2d</i>	TMP1 (description="Time 1 field - Number of microseconds since epoch 1 Jan 1958 (0 <= coarse < 2^32)", quantity="none")	
<i>Int2d</i>	TMP2 (description="Time 2 field- Number of 1/65536 fractional seconds (0 <= fine < 2^16)", quantity="none")	
<i>Long2d</i>	FINETIME (description="Time [microsec] since epoch 1 Jan 1958", quantity="none")	
<i>Bool2d</i>	VLD (description="Validity flag set by DecMec", quantity="none")	
<i>Int2d</i>	CPR (description="Chopper position", quantity="none")	
<i>Int2d</i>	WPR (description="Filter wheel Position", quantity="none")	
<i>Int2d</i>	BOLST (description="BOL-C status", quantity="none")	
<i>Int2d</i>	CRDC (description="OBT clock tick counter since last time reset", quantity="none")	
<i>Int2d</i>	CRDCCP (description="OBT clock tick counter in current chopper plate", quantity="none")	
<i>Int2d</i>	DBID (description="Data Block ID", quantity="none")	
<i>Int2d</i>	BSID (description="Bolometer Setup Identification", quantity="none")	
<i>Bool2d</i>	DMCSEQACTIVE (description="Indicates if a DMC sequence executing", quantity="none")	
<i>Int2d</i>	CHOPPERPLATEAU (description="Indicates the chopper plateau within a sequence", quantity="none")	
<i>Int2d</i>	CALSOURCE (description="Chopper on Calibration source 1, 2 or off (0)", quantity="none")	
<i>Int2d</i>	PIX (description="PIX counter for synchronisation to SPU housekeeping (CompressedEntHeader", quantity="none")	
<i>Int2d</i>	RCX (description="Raw Channel Index in CompressedEntHeader", quantity="none")	
<i>Int2d</i>	RESETCNT (description="Reset counter to identify frames belonging to a", quantity="none")	
<i>Int1d</i>	BLOCKIDX (description="Reference to the BlockTable entry", quantity="none")	
<i>composite</i>	<i>(description="Mask data stored in a table")</i>	
<i>Metadata</i>		
LongParameter	number of rows (description="null")	
LongParameter	number of columns (description="null")	
LongParameter	number of resets (description="null")	

LongParameter	number of samples (description="null")
StringParameter	camName (description="Name of the Camera")
LongParameter	detRow (description="Number of detector rows")
LongParameter	detCol (description="Number of detector columns")
<i>table dataset</i>	(description="Mask data stored bit encoded in a table")
<i>Metadata</i>	
<i>Int1d</i>	detnum (description="null", quantity="none")
<i>Int1d</i>	row (description="null", quantity="none")
<i>Int1d</i>	column (description="null", quantity="none")
<i>Int1d</i>	reset (description="null", quantity="none")
<i>Int2d</i>	BLINDPIXELS (description="4 D Mask", quantity="none")

3.1.2. HPPAVGBS: Frames

<i>list context (type="HPPAVGBS", description="Frames")</i>	
<i>Meta-data</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
LongParameter	detRow (description="Number of detector rows")
LongParameter	detCol (description="Number of detector columns")
StringParameter	camName (description="Name of the Camera")
LongParameter	relTimeOffset (description="Relative time offset")
DoubleParameter	Apid (description="null")
	subType (description="null")

DoubleParameter	
DoubleParameter	compVersion (description="null")
DoubleParameter	algoNumber (description="null")
StringParameter	algorithm (description="null")
DoubleParameter	compNumber (description="null")
StringParameter	compMode (description="null")
DoubleParameter	dxid (description="null")
LongParameter	qflag_pacs_phot_red_FailedSPUBuffer (description="null")
LongParameter	qflag_pacs_phot_blue_FailedSPUBuffer (description="null")
StringParameter	fileName (description="null")
StringParameter	qflag_BPSCISAT_p (description="null")
DoubleParameter	qflag_BPSCISAT_p_v (description="null")
<i>product</i>	(<i>type="HPPAVGBS", description="Frames"</i>)
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")

LongParameter	detRow (description="Number of detector rows")
LongParameter	detCol (description="Number of detector columns")
StringParameter	camName (description="Name of the Camera")
LongParameter	relTimeOffset (description="Relative time offset")
DoubleParameter	Apid (description="null")
DoubleParameter	subType (description="null")
DoubleParameter	compVersion (description="null")
DoubleParameter	algoNumber (description="null")
StringParameter	algorithm (description="null")
DoubleParameter	compNumber (description="null")
StringParameter	compMode (description="null")
DoubleParameter	dxid (description="null")
LongParameter	qflag_pacs_phot_red_FailedSPUBuffer (description="null")
LongParameter	qflag_pacs_phot_blue_FailedSPUBuffer (description="null")
StringParameter	fileName (description="null")
StringParameter	qflag_BPSCISAT_p (description="null")
DoubleParameter	qflag_BPSCISAT_p_v (description="null")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double3d</i>	(description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>table dataset</i>	(description="Status")
<i>Metadata</i>	
StringParameter	MODE (description="null")
LongParameter	DIM1 (description="Number of measures per status parameter")
<i>Int1d</i>	RESETINDEX (description="Indicates the reset index of the status paramet", quantity="none")
<i>Long1d</i>	OBSID (description="Identifier of the observation", quantity="none")
<i>Long1d</i>	BBID (description="Building block type", quantity="none")

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<i>LongId</i>	FINETIME (description="Time [microsec] since epoch 1 Jan 1958", quantity="none")
<i>IntId</i>	CPR (description="Chopper position", quantity="none")
<i>IntId</i>	WPR (description="Filter wheel Position", quantity="none")
<i>IntId</i>	CRDC (description="OBT clock tick counter since last time reset", quantity="none")
<i>IntId</i>	CRDCCP (description="OBT clock tick counter in current chopper plate", quantity="none")
<i>IntId</i>	DBID (description="Data Block ID", quantity="none")
<i>BoolId</i>	DMCSEQACTIVE (description="Indicates if a DMC sequence executing", quantity="none")
<i>IntId</i>	CALSOURCE (description="Chopper on Calibration source 1, 2 or off (0)", quantity="none")
<i>StringId</i>	BAND (description="Wavelength Band", quantity="none")
<i>IntId</i>	BBTYPE (description="Building Block Type", quantity="none")
<i>IntId</i>	BBSEQCNT (description="Building Block Sequence Count", quantity="none")
<i>IntId</i>	DP_WHICH_OBCP (description="OBCP Number", quantity="none")
<i>DoubleId</i>	CHOPFPUANGLE (description="chopper angle in degrees wrt. FPU", quantity="none")
<i>DoubleId</i>	CHOPSKYANGLE (description="chopper angle in arc mins wrt. sky", quantity="none")
<i>DoubleId</i>	RaArray (description="RA", quantity="none")
<i>DoubleId</i>	DecArray (description="Declination", quantity="none")
<i>DoubleId</i>	RaArrayErr (description="RA Error", quantity="none")
<i>DoubleId</i>	DecArrayErr (description="Declination Error", quantity="none")
<i>StringId</i>	Mode (description="Pointing Mode", quantity="none")
<i>LongId</i>	RasterLineNum (description="Pointing Raster Line Number", quantity="none")
<i>LongId</i>	RasterColumnNum (description="Pointing Raster Column Number", quantity="none")
<i>LongId</i>	NodCycleNum (description="Pointing Nod Cycle Number", quantity="none")
<i>BoolId</i>	OnTarget (description="On Target flag", quantity="none")
<i>BoolId</i>	AbPosId (description="onRaster and offRaster Nod information", quantity="none")
<i>BoolId</i>	IsSlew (description="Slew of the Sattelite", quantity="none")
<i>BoolId</i>	IsOffPos (description="Off Position flag", quantity="none")
<i>LongId</i>	ScanLineNumber (description="Scan Line number", quantity="none")
<i>StringId</i>	AcmsMode (description="ACMS mode", quantity="none")
<i>StringId</i>	Aperture (description="Aperture", quantity="none")
<i>BoolId</i>	IsAPosition (description="is A position", quantity="none")
<i>BoolId</i>	IsBPosition (description="is B position", quantity="none")
<i>BoolId</i>	IsOutOfField (description="Is Out of Field", quantity="none")
<i>BoolId</i>	IsSerendipity (description="is serendipity mode", quantity="none")
<i>IntId</i>	DithPos (description="Dithering Position", quantity="none")
<i>IntId</i>	OnRasterPosCount (description="On Raster Position Counter", quantity="none")

<i>Int1d</i>	OffRasterPosCount (description="Off Raster Position Counter", quantity="none")
<i>Int1d</i>	NrChopperPlateau (description="Number of valid readouts per chopper plateau", quantity="none")
<i>Int1d</i>	UnCleanChop (description="Continuous numbering of Plateaus", quantity="none")
<i>table dataset</i>	(description="BlockTable")
<i>Metadata</i>	
StringParameter	MODE (description="PACS Mode")
<i>Int1d</i>	Obcp (description="OBCP", quantity="none")
<i>Int1d</i>	DMSActive (description="Dec Mec Sequence Active", quantity="none")
<i>Int1d</i>	ChopperPlateau (description="Chopper Plateau", quantity="none")
<i>Int1d</i>	CalSource (description="Calibration Source", quantity="none")
<i>Int1d</i>	Filter (description="Filter", quantity="none")
<i>Int1d</i>	StartIdx (description="Start Index", quantity="none")
<i>Int1d</i>	EndIdx (description="End Index (NOT INCLUSIVE)", quantity="none")
<i>Int1d</i>	NrIdx (description="Number of Indexes", quantity="none")
<i>Double1d</i>	Raster (description="Raster Position", quantity="none")
<i>String1d</i>	Id (description="Block ID", quantity="none")
<i>String1d</i>	Description (description="Verbose Description", quantity="none")
<i>Int1d</i>	OnSource (description="On-Source Label", quantity="none")
<i>Int1d</i>	OffSource1 (description="First Off-Source Label", quantity="none")
<i>Int1d</i>	OffSource2 (description="Second Off-Source Label", quantity="none")
<i>Int1d</i>	NrAvg (description="Average number", quantity="none")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Bool2d</i>	(description="null", quantity="none")
<i>composite</i>	(description="Mask data stored in bit encoded arrays")
<i>Metadata</i>	
LongParameter	number of rows (description="null")
LongParameter	number of columns (description="null")
LongParameter	number of resets (description="null")
LongParameter	number of samples (description="null")
StringParameter	camName (description="Name of the Camera")
LongParameter	detRow (description="Number of detector rows")
LongParameter	detCol (description="Number of detector columns")
<i>array dataset</i>	(description="Mask that flags the blind pixels")
<i>Metadata</i>	
LongParameter	Mask dimension (description="null")
LongParameter	number of rows (description="null")
LongParameter	number of columns (description="null")

LongParameter	number of resets (description="null")
LongParameter	number of samples (description="null")
<i>Int3d</i>	(description="Mask that flags the blind pixels", quantity="none")
<i>array dataset</i>	(description="Bad pixels")
<i>Metadata</i>	
LongParameter	Mask dimension (description="null")
LongParameter	number of rows (description="null")
LongParameter	number of columns (description="null")
LongParameter	number of resets (description="null")
LongParameter	number of samples (description="null")
<i>Int3d</i>	(description="Bad pixels", quantity="none")
<i>array dataset</i>	(description="saturated pixels")
<i>Metadata</i>	
LongParameter	Mask dimension (description="null")
LongParameter	number of rows (description="null")
LongParameter	number of columns (description="null")
LongParameter	number of resets (description="null")
LongParameter	number of samples (description="null")
<i>Int3d</i>	(description="saturated pixels", quantity="none")
<i>array dataset</i>	(description="Contains OR operation on all masks.")
<i>Metadata</i>	
LongParameter	Mask dimension (description="null")
LongParameter	number of rows (description="null")
LongParameter	number of columns (description="null")
LongParameter	number of resets (description="null")
LongParameter	number of samples (description="null")
<i>Int3d</i>	(description="Contains OR operation on all masks.", quantity="none")
<i>array dataset</i>	(description="frames that are affected by the chopper transitions")
<i>Metadata</i>	
LongParameter	Mask dimension (description="null")
LongParameter	number of rows (description="null")
LongParameter	number of columns (description="null")
LongParameter	number of resets (description="null")
LongParameter	number of samples (description="null")
<i>Int3d</i>	(description="frames that are affected by the chopper transitions", quantity="none")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double3d</i>	(description="null", quantity="none")
<i>array dataset</i>	(description="null")

<i>Metadata</i>	
<i>Double3d</i>	(description="null", quantity="none")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double3d</i>	(description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Int3d</i>	(description="null", quantity="none")

3.1.3. HPPAVGRS: Frames

<i>list context (type="HPPAVGRS", description="Frames")</i>	
<i>Meta- data</i>	
StringPa- rameter	type (description="Product Type Identification")
StringPa- rameter	creator (description="Generator of this product")
DatePa- rameter	creationDate (description="Creation date of this product")
StringPa- rameter	description (description="Name of this product")
StringPa- rameter	instrument (description="Instrument attached to this product")
StringPa- rameter	modelName (description="Model name attached to this product")
DatePa- rameter	startDate (description="Start date of this product")
DatePa- rameter	endDate (description="End date of this product")
LongPa- rameter	detRow (description="Number of detector rows")
LongPa- rameter	detCol (description="Number of detector columns")
StringPa- rameter	camName (description="Name of the Camera")
LongPa- rameter	relTimeOffset (description="Relative time offset")
DoublePa- rameter	apid (description="null")
DoublePa- rameter	subType (description="null")
	compVersion (description="null")

DoubleParameter	
DoubleParameter	algoNumber (description="null")
StringParameter	algorithm (description="null")
DoubleParameter	compNumber (description="null")
StringParameter	compMode (description="null")
DoubleParameter	dxid (description="null")
LongParameter	qflag_pacs_phot_red_FailedSPUBuffer (description="null")
LongParameter	qflag_pacs_phot_blue_FailedSPUBuffer (description="null")
StringParameter	fileName (description="null")
StringParameter	qflag_RPSCISAT_p (description="null")
DoubleParameter	qflag_RPSCISAT_p_v (description="null")
<i>product</i>	<i>(type="HPPAVGRS", description="Frames")</i>
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
LongParameter	detRow (description="Number of detector rows")

LongParameter	detCol (description="Number of detector columns")
StringParameter	camName (description="Name of the Camera")
LongParameter	relTimeOffset (description="Relative time offset")
DoubleParameter	Apid (description="null")
DoubleParameter	subType (description="null")
DoubleParameter	compVersion (description="null")
DoubleParameter	algoNumber (description="null")
StringParameter	algorithm (description="null")
DoubleParameter	compNumber (description="null")
StringParameter	compMode (description="null")
DoubleParameter	dxid (description="null")
LongParameter	qflag_pacs_phot_red_FailedSPUBuffer (description="null")
LongParameter	qflag_pacs_phot_blue_FailedSPUBuffer (description="null")
StringParameter	fileName (description="null")
StringParameter	qflag_RPSCISAT_p (description="null")
DoubleParameter	qflag_RPSCISAT_p_v (description="null")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double3d</i>	(description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>table dataset</i>	(description="Status")
<i>Metadata</i>	
StringParameter	MODE (description="null")
LongParameter	DIM1 (description="Number of measures per status parameter")
<i>Int1d</i>	RESETINDEX (description="Indicates the reset index of the status parameter", quantity="none")
<i>Long1d</i>	OBSID (description="Identifier of the observation", quantity="none")
<i>Long1d</i>	BBID (description="Building block type", quantity="none")
<i>Long1d</i>	FINETIME (description="Time [microsec] since epoch 1 Jan 1958", quantity="none")

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<i>Int1d</i>	CPR (description="Chopper position", quantity="none")
<i>Int1d</i>	WPR (description="Filter wheel Position", quantity="none")
<i>Int1d</i>	CRDC (description="OBT clock tick counter since last time reset", quantity="none")
<i>Int1d</i>	CRDCCP (description="OBT clock tick counter in current chopper plate", quantity="none")
<i>Int1d</i>	DBID (description="Data Block ID", quantity="none")
<i>Bool1d</i>	DMCSEQACTIVE (description="Indicates if a DMC sequence executing", quantity="none")
<i>Int1d</i>	CALSOURCE (description="Chopper on Calibration source 1, 2 or off (0)", quantity="none")
<i>String1d</i>	BAND (description="Wavelength Band", quantity="none")
<i>Int1d</i>	BBTYPE (description="Building Block Type", quantity="none")
<i>Int1d</i>	BBSEQCNT (description="Building Block Sequence Count", quantity="none")
<i>Int1d</i>	DP_WHICH_OBCP (description="OBCP Number", quantity="none")
<i>Double1d</i>	CHOPFPUANGLE (description="chopper angle in degrees wrt. FPU", quantity="none")
<i>Double1d</i>	CHOPSKYANGLE (description="chopper angle in arc mins wrt. sky", quantity="none")
<i>Double1d</i>	RaArray (description="RA", quantity="none")
<i>Double1d</i>	DecArray (description="Declination", quantity="none")
<i>Double1d</i>	RaArrayErr (description="RA Error", quantity="none")
<i>Double1d</i>	DecArrayErr (description="Declination Error", quantity="none")
<i>String1d</i>	Mode (description="Pointing Mode", quantity="none")
<i>Long1d</i>	RasterLineNum (description="Pointing Raster Line Number", quantity="none")
<i>Long1d</i>	RasterColumnNum (description="Pointing Raster Column Number", quantity="none")
<i>Long1d</i>	NodCycleNum (description="Pointing Nod Cycle Number", quantity="none")
<i>Bool1d</i>	OnTarget (description="On Target flag", quantity="none")
<i>Bool1d</i>	AbPosId (description="onRaster and offRaster Nod information", quantity="none")
<i>Bool1d</i>	IsSlew (description="Slew of the Sattelite", quantity="none")
<i>Bool1d</i>	IsOffPos (description="Off Position flag", quantity="none")
<i>Long1d</i>	ScanLineNumber (description="Scan Line number", quantity="none")
<i>String1d</i>	AcmsMode (description="ACMS mode", quantity="none")
<i>String1d</i>	Aperture (description="Aperture", quantity="none")
<i>Bool1d</i>	IsAPosition (description="is A position", quantity="none")
<i>Bool1d</i>	IsBPosition (description="is B position", quantity="none")
<i>Bool1d</i>	IsOutOfField (description="Is Out of Field", quantity="none")
<i>Bool1d</i>	IsSerendipity (description="is serendipity mode", quantity="none")
<i>Int1d</i>	DithPos (description="Dithering Position", quantity="none")
<i>Int1d</i>	OnRasterPosCount (description="On Raster Position Counter", quantity="none")
<i>Int1d</i>	OffRasterPosCount (description="Off Raster Position Counter", quantity="none")

	<i>Int1d</i>	NrChopperPlateau (description="Number of valid readouts per chopper plateau", quantity="none")
	<i>Int1d</i>	UnCleanChop (description="Continuous numbering of Plateaus", quantity="none")
<i>table dataset</i>		(description="BlockTable")
	<i>Metadata</i>	
	StringParameter	MODE (description="PACS Mode")
	<i>Int1d</i>	Obcp (description="OBCP", quantity="none")
	<i>Int1d</i>	DMSActive (description="Dec Mec Sequence Active", quantity="none")
	<i>Int1d</i>	ChopperPlateau (description="Chopper Plateau", quantity="none")
	<i>Int1d</i>	CalSource (description="Calibration Source", quantity="none")
	<i>Int1d</i>	Filter (description="Filter", quantity="none")
	<i>Int1d</i>	StartIdx (description="Start Index", quantity="none")
	<i>Int1d</i>	EndIdx (description="End Index (NOT INCLUSIVE)", quantity="none")
	<i>Int1d</i>	NrIdx (description="Number of Indexes", quantity="none")
	<i>Double1d</i>	Raster (description="Raster Position", quantity="none")
	<i>String1d</i>	Id (description="Block ID", quantity="none")
	<i>String1d</i>	Description (description="Verbose Description", quantity="none")
	<i>Int1d</i>	OnSource (description="On-Source Label", quantity="none")
	<i>Int1d</i>	OffSource1 (description="First Off-Source Label", quantity="none")
	<i>Int1d</i>	OffSource2 (description="Second Off-Source Label", quantity="none")
	<i>Int1d</i>	NrAvg (description="Average number", quantity="none")
<i>array dataset</i>		(description="null")
	<i>Metadata</i>	
	<i>Bool2d</i>	(description="null", quantity="none")
<i>composite</i>		(description="Mask data stored in bit encoded arrays")
	<i>Metadata</i>	
	LongParameter	number of rows (description="null")
	LongParameter	number of columns (description="null")
	LongParameter	number of resets (description="null")
	LongParameter	number of samples (description="null")
	StringParameter	camName (description="Name of the Camera")
	LongParameter	detRow (description="Number of detector rows")
	LongParameter	detCol (description="Number of detector columns")
<i>array dataset</i>		(description="Mask that flags the blind pixels")
	<i>Metadata</i>	
	LongParameter	Mask dimension (description="null")
	LongParameter	number of rows (description="null")
	LongParameter	number of columns (description="null")
	LongParameter	number of resets (description="null")
	LongParameter	number of samples (description="null")

<i>Int3d</i>	(description="Mask that flags the blind pixels", quantity="none")
<i>array dataset</i>	(description="Bad pixels")
<i>Metadata</i>	
<i>LongParameter</i>	Mask dimension (description="null")
<i>LongParameter</i>	number of rows (description="null")
<i>LongParameter</i>	number of columns (description="null")
<i>LongParameter</i>	number of resets (description="null")
<i>LongParameter</i>	number of samples (description="null")
<i>Int3d</i>	(description="Bad pixels", quantity="none")
<i>array dataset</i>	(description="saturated pixels")
<i>Metadata</i>	
<i>LongParameter</i>	Mask dimension (description="null")
<i>LongParameter</i>	number of rows (description="null")
<i>LongParameter</i>	number of columns (description="null")
<i>LongParameter</i>	number of resets (description="null")
<i>LongParameter</i>	number of samples (description="null")
<i>Int3d</i>	(description="saturated pixels", quantity="none")
<i>array dataset</i>	(description="Contains OR operation on all masks.")
<i>Metadata</i>	
<i>LongParameter</i>	Mask dimension (description="null")
<i>LongParameter</i>	number of rows (description="null")
<i>LongParameter</i>	number of columns (description="null")
<i>LongParameter</i>	number of resets (description="null")
<i>LongParameter</i>	number of samples (description="null")
<i>Int3d</i>	(description="Contains OR operation on all masks.", quantity="none")
<i>array dataset</i>	(description="frames that are affected by the chopper transitions")
<i>Metadata</i>	
<i>LongParameter</i>	Mask dimension (description="null")
<i>LongParameter</i>	number of rows (description="null")
<i>LongParameter</i>	number of columns (description="null")
<i>LongParameter</i>	number of resets (description="null")
<i>LongParameter</i>	number of samples (description="null")
<i>Int3d</i>	(description="frames that are affected by the chopper transitions", quantity="none")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double3d</i>	(description="null", quantity="none")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double3d</i>	(description="null", quantity="none")

<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double3d</i>	(description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Int3d</i>	(description="null", quantity="none")

3.1.4. HPPDMCBS

<i>product (type="HPPDMCBS", description="Unknown")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
LongParameter	detRow (description="Number of detector rows")
LongParameter	detCol (description="Number of detector columns")
StringParameter	camName (description="Name of the Camera")
StringParameter	fileName (description="null")
<i>table dataset</i>	(description="Status")
<i>Metadata</i>	
StringParameter	MODE (description="null")
LongParameter	DIM1 (description="Number of measures per status parameter")
LongParameter	DIM2 (description="Number of measures per status parameter")
<i>Int1d</i>	RESETINDEX (description="Indicates the reset index of the status paramet", quantity="none")
<i>Int1d</i>	OBSID (description="Identifier of the observation", quantity="none")
<i>Int1d</i>	BBID (description="Building block type", quantity="none")
<i>Int2d</i>	LBL (description="Label", quantity="none")
<i>Int2d</i>	TMP1 (description="Time 1 field - Number of microseconds since epoch 1 Jan 1958 (0 <= coarse < 2^32)", quantity="none")
<i>Int2d</i>	TMP2 (description="Time 2 field- Number of 1/65536 fractional seconds (0 <= fine < 2^16)", quantity="none")
<i>Long2d</i>	FINETIME (description="Time [microsec] since epoch 1 Jan 1958", quantity="none")
<i>Int2d</i>	VLD (description="Validity flag set by DecMec", quantity="none")
<i>Int2d</i>	CPR (description="Chopper position", quantity="none")

<i>Int2d</i>	WPR (description="Filter wheel Position", quantity="none")
<i>Int2d</i>	BOLST (description="BOL-C status", quantity="none")
<i>Int2d</i>	CRDC (description="OBT clock tick counter since last time reset", quantity="none")
<i>Int2d</i>	CRDCCP (description="OBT clock tick counter in current chopper plate", quantity="none")
<i>Int2d</i>	DBID (description="Data Block ID", quantity="none")
<i>Int2d</i>	BSID (description="Bolometer Setup Identification", quantity="none")

3.1.5. HPPDMCRS

<i>product (type="HPPDMCRS", description="Unknown")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
LongParameter	detRow (description="Number of detector rows")
LongParameter	detCol (description="Number of detector columns")
StringParameter	camName (description="Name of the Camera")
StringParameter	fileName (description="null")
<i>table dataset</i>	<i>(description="Status")</i>
<i>Metadata</i>	
StringParameter	MODE (description="null")
LongParameter	DIM1 (description="Number of measures per status parameter")
LongParameter	DIM2 (description="Number of measures per status parameter")
<i>Int1d</i>	RESETINDEX (description="Indicates the reset index of the status paramet", quantity="none")
<i>Int1d</i>	OBSID (description="Identifier of the observation", quantity="none")
<i>Int1d</i>	BBID (description="Building block type", quantity="none")
<i>Int2d</i>	LBL (description="Label", quantity="none")
<i>Int2d</i>	TMP1 (description="Time 1 field - Number of microseconds since epoch 1 Jan 1958 (0 <= coarse < 2^32)", quantity="none")
<i>Int2d</i>	TMP2 (description="Time 2 field- Number of 1/65536 fractional seconds (0 <= fine < 2^16)", quantity="none")
<i>Long2d</i>	FINETIME (description="Time [microsec] since epoch 1 Jan 1958", quantity="none")
<i>Int2d</i>	VLD (description="Validity flag set by DecMec", quantity="none")
<i>Int2d</i>	CPR (description="Chopper position", quantity="none")

<i>Int2d</i>	WPR (description="Filter wheel Position", quantity="none")
<i>Int2d</i>	BOLST (description="BOL-C status", quantity="none")
<i>Int2d</i>	CRDC (description="OBT clock tick counter since last time reset", quantity="none")
<i>Int2d</i>	CRDCCP (description="OBT clock tick counter in current chopper plate", quantity="none")
<i>Int2d</i>	DBID (description="Data Block ID", quantity="none")
<i>Int2d</i>	BSID (description="Bolometer Setup Identification", quantity="none")

3.1.6. HPPHKS

<i>product</i> (type="HPPHK", description="HPPHKS")	
<i>Metadata</i>	
StringParameter	type (description="null")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="PACS Level 0 Product")
StringParameter	modelName (description="Model")
DateParameter	startDate (description="Start Date")
DateParameter	endDate (description="End Date")
StringParameter	fileName (description="null")
StringParameter	missionConfiguration (description="Mission Configuration")
StringParameter	formatVersion (description="Format Version of the Products")
LongParameter	obsid (description="Observation ID")
LongParameter	obsType (description="null")
LongParameter	obsCount (description="OBSID")
<i>table dataset</i>	(description="Generated from PacketSequence \$Revision: 1.58 \$")
<i>Metadata</i>	
StringParameter	revision (description="PacketSequence Revision from which this data was generated.")
<i>LongId</i>	Time (description="Time [microseconds]", quantity="microsecond [1.0E-6 s]")
<i>LongId</i>	DM_DSIM_ERROR (description="DM_DSIM_ERROR [raw]", quantity="none")
<i>StringId</i>	DM_CS1C_SYNCHRO (description="DM_CS1C_SYNCHRO", quantity="none")
<i>DoubleId</i>	BOL_I_VSS_B_3 (description="BOL_I_VSS_B_3 [eng, A]", quantity="none")
<i>DoubleId</i>	BOL_I_VSS_B_2 (description="BOL_I_VSS_B_2 [eng, A]", quantity="none")
<i>LongId</i>	DP_1_8_REJECTED (description="DP_1_8_REJECTED [raw]", quantity="none")
<i>DoubleId</i>	

	BOL_I_VSS_B_1 (description="BOL_I_VSS_B_1 [eng, A]", quantity="none")
<i>LongId</i>	SPL_PIX (description="SPL_PIX [raw]", quantity="none")
<i>LongId</i>	SPS_LLC_ERROR (description="SPS_LLC_ERROR [raw]", quantity="none")
<i>StringId</i>	DP_DMC_CMD (description="DP_DMC_CMD", quantity="none")
<i>DoubleId</i>	BOL_I_VSS_B_4 (description="BOL_I_VSS_B_4 [eng, A]", quantity="none")
<i>StringId</i>	DM_FPU_CH_TS_ST (description="DM_FPU_CH_TS_ST", quantity="none")
<i>DoubleId</i>	BOL_VSMESH_R_1 (description="BOL_VSMESH_R_1 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VSMESH_R_2 (description="BOL_VSMESH_R_2 [eng, V]", quantity="none")
<i>StringId</i>	DM_FWSC_TASK_WR (description="DM_FWSC_TASK_WR", quantity="none")
<i>LongId</i>	DM_PM_SF_IND (description="DM_PM_SF_IND [raw]", quantity="none")
<i>StringId</i>	DM_HKCO_TASK_AL (description="DM_HKCO_TASK_AL", quantity="none")
<i>DoubleId</i>	BOL_I_HEATER_1R (description="BOL_I_HEATER_1R [eng, A]", quantity="none")
<i>DoubleId</i>	BOL_TEMP_PSU_1 (description="BOL_TEMP_PSU_1 [eng, degC]", quantity="none")
<i>LongId</i>	DM_DSIM_SPARE7 (description="DM_DSIM_SPARE7 [raw]", quantity="none")
<i>DoubleId</i>	BOL_TEMP_PSU_2 (description="BOL_TEMP_PSU_2 [eng, degC]", quantity="none")
<i>StringId</i>	DM_BPE_LINK (description="DM_BPE_LINK", quantity="none")
<i>StringId</i>	DM_FWPC_POWER (description="DM_FWPC_POWER", quantity="none")
<i>StringId</i>	DM_FPU_FWS_TS_S (description="DM_FPU_FWS_TS_S", quantity="none")
<i>DoubleId</i>	BOL_HEAT_EV_SWT (description="BOL_HEAT_EV_SWT [eng, A]", quantity="none")
<i>StringId</i>	DM_SEQ_IDLE (description="DM_SEQ_IDLE", quantity="none")
<i>DoubleId</i>	BOL_VH_BLIND_R1 (description="BOL_VH_BLIND_R1 [eng, V]", quantity="none")
<i>StringId</i>	DM_DRC_TASK_AL (description="DM_DRC_TASK_AL", quantity="none")
<i>DoubleId</i>	BOL_VH_BLIND_R2 (description="BOL_VH_BLIND_R2 [eng, V]", quantity="none")
<i>StringId</i>	DM_CS1C_POWER (description="DM_CS1C_POWER", quantity="none")
<i>StringId</i>	DM_HKD_ERR_NS (description="DM_HKD_ERR_NS", quantity="none")
<i>LongId</i>	SPL_LLC_ERROR (description="SPL_LLC_ERROR [raw]", quantity="none")

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<i>LongId</i>	DM_DPU_SEN_STAT (description="DM_DPU_SEN_STAT [raw]", quantity="none")
<i>LongId</i>	DM_BOL_CTRL_STA (description="DM_BOL_CTRL_STA [raw]", quantity="none")
<i>DoubleId</i>	BOL_TEMP_R_1 (description="BOL_TEMP_R_1 [eng, degC]", quantity="none")
<i>DoubleId</i>	BOL_TEMP_R_2 (description="BOL_TEMP_R_2 [eng, degC]", quantity="none")
<i>DoubleId</i>	BOL_TEMP_R_3 (description="BOL_TEMP_R_3 [eng, degC]", quantity="none")
<i>DoubleId</i>	BOL_TEMP_R_4 (description="BOL_TEMP_R_4 [eng, degC]", quantity="none")
<i>DoubleId</i>	BOL_I_HEATER_2R (description="BOL_I_HEATER_2R [eng, A]", quantity="none")
<i>LongId</i>	DM_FWSC_ERROR (description="DM_FWSC_ERROR [raw]", quantity="none")
<i>DoubleId</i>	BOL_TEMP_R_5 (description="BOL_TEMP_R_5 [eng, degC]", quantity="none")
<i>StringId</i>	DM_DSIM_TASK_AL (description="DM_DSIM_TASK_AL", quantity="none")
<i>StringId</i>	DP_DMC_HK (description="DP_DMC_HK", quantity="none")
<i>LongId</i>	DM_SW_GLOBAL_ST (description="DM_SW_GLOBAL_ST [raw]", quantity="none")
<i>LongId</i>	DM_BOL_REC_PAC (description="DM_BOL_REC_PAC [raw]", quantity="none")
<i>DoubleId</i>	BOL_VDL_BU_R_1 (description="BOL_VDL_BU_R_1 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VDL_BU_R_2 (description="BOL_VDL_BU_R_2 [eng, V]", quantity="none")
<i>LongId</i>	DM_CS2_CTRL_STA (description="DM_CS2_CTRL_STA [raw]", quantity="none")
<i>LongId</i>	DM_LAST_ER_BF16 (description="DM_LAST_ER_BF16 [raw]", quantity="none")
<i>LongId</i>	DM_LAST_ER_BF10 (description="DM_LAST_ER_BF10 [raw]", quantity="none")
<i>DoubleId</i>	DM_REF_VOLT_5V (description="DM_REF_VOLT_5V [eng, V]", quantity="none")
<i>LongId</i>	DM_LAST_ER_BF11 (description="DM_LAST_ER_BF11 [raw]", quantity="none")
<i>LongId</i>	SPS_PIX (description="SPS_PIX [raw]", quantity="none")
<i>StringId</i>	DM_GC_HOM_PROG (description="DM_GC_HOM_PROG", quantity="none")
<i>LongId</i>	DM_LAST_ER_BF14 (description="DM_LAST_ER_BF14 [raw]", quantity="none")
<i>LongId</i>	DM_LAST_ER_BF15 (description="DM_LAST_ER_BF15 [raw]", quantity="none")
<i>StringId</i>	DM_CS1C_ERR_NS (description="DM_CS1C_ERR_NS", quantity="none")

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<i>LongId</i>	DM_LAST_ER_BF12 (description="DM_LAST_ER_BF12 [raw]", quantity="none")
<i>DoubleId</i>	DM_CS2_TARGET (description="DM_CS2_TARGET [eng, Ohm]", quantity="none")
<i>LongId</i>	DM_LAST_ER_BF13 (description="DM_LAST_ER_BF13 [raw]", quantity="none")
<i>StringId</i>	DM_DPUR_TASK_WR (description="DM_DPUR_TASK_WR", quantity="none")
<i>LongId</i>	DM_CHOP_PID_ERR (description="DM_CHOP_PID_ERR [raw]", quantity="none")
<i>LongId</i>	DP_COM_SPS_PACK (description="DP_COM_SPS_PACK [raw]", quantity="none")
<i>DoubleId</i>	DP_VOL_5P (description="DP_VOL_5P [eng, V]", quantity="none")
<i>StringId</i>	DM_CS2C_TASK_WR (description="DM_CS2C_TASK_WR", quantity="none")
<i>LongId</i>	DM_PLL_RES_LO (description="DM_PLL_RES_LO [raw]", quantity="none")
<i>StringId</i>	DM_DPUS_LINK (description="DM_DPUS_LINK", quantity="none")
<i>DoubleId</i>	DP_VOL_25P (description="DP_VOL_25P [eng, V]", quantity="none")
<i>LongId</i>	DP_COM_DMC_NACK (description="DP_COM_DMC_NACK [raw]", quantity="none")
<i>StringId</i>	DM_GC_SYNCHRO (description="DM_GC_SYNCHRO", quantity="none")
<i>StringId</i>	DM_FWPC_POSC_B (description="DM_FWPC_POSC_B", quantity="none")
<i>StringId</i>	DM_FWPC_POSC_A (description="DM_FWPC_POSC_A", quantity="none")
<i>StringId</i>	DP_INIT (description="DP_INIT", quantity="none")
<i>LongId</i>	DM_BLUE_PAC_ENC (description="DM_BLUE_PAC_ENC [raw]", quantity="none")
<i>StringId</i>	DM_FWSC_ERR_NS (description="DM_FWSC_ERR_NS", quantity="none")
<i>StringId</i>	DM_CC_COMMUT (description="DM_CC_COMMUT", quantity="none")
<i>StringId</i>	DM_CS2C_PID (description="DM_CS2C_PID", quantity="none")
<i>StringId</i>	DM_DBC_TASK_AL (description="DM_DBC_TASK_AL", quantity="none")
<i>LongId</i>	SPL_MEM_CNTS (description="SPL_MEM_CNTS [raw]", quantity="none")
<i>LongId</i>	DM_HK_DIAG_PERI (description="DM_HK_DIAG_PERI [raw]", quantity="none")
<i>LongId</i>	SPL_SUBVERSION (description="SPL_SUBVERSION [raw]", quantity="none")
<i>LongId</i>	DM_DBR_ERROR (description="DM_DBR_ERROR [raw]", quantity="none")

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<i>StringId</i>	DP_EV_BOL_I_HEA (description="DP_EV_BOL_I_HEA", quantity="none")
<i>StringId</i>	DP_EV_BOL_BIAS (description="DP_EV_BOL_BIAS", quantity="none")
<i>DoubleId</i>	DM_SPU_LWL_TEMP (description="DM_SPU_LWL_TEMP [eng, K]", quantity="none")
<i>StringId</i>	DM_CC_PID (description="DM_CC_PID", quantity="none")
<i>LongId</i>	DP_EVENT_LOST (description="DP_EVENT_LOST [raw]", quantity="none")
<i>DoubleId</i>	DM_SPU_VP_CUR (description="DM_SPU_VP_CUR [eng, mA]", quantity="none")
<i>LongId</i>	DM_CC_SPARE1B (description="DM_CC_SPARE1B [raw]", quantity="none")
<i>LongId</i>	DP_COM_REC_DPU (description="DP_COM_REC_DPU [raw]", quantity="none")
<i>LongId</i>	DM_CC_SPARE1A (description="DM_CC_SPARE1A [raw]", quantity="none")
<i>StringId</i>	DM_DPUS_ERR_NS (description="DM_DPUS_ERR_NS", quantity="none")
<i>DoubleId</i>	BOL_VGL_R_1 (description="BOL_VGL_R_1 [eng, V]", quantity="none")
<i>LongId</i>	DP_SW_SUBVERS_ID (description="DP_SW_SUBVERS_ID [raw]", quantity="none")
<i>DoubleId</i>	BOL_VGL_R_2 (description="BOL_VGL_R_2 [eng, V]", quantity="none")
<i>StringId</i>	DM_DBC_TASK_WR (description="DM_DBC_TASK_WR", quantity="none")
<i>LongId</i>	SPS_RCX (description="SPS_RCX [raw]", quantity="none")
<i>StringId</i>	DM_CS1C_DOWN (description="DM_CS1C_DOWN", quantity="none")
<i>StringId</i>	DM_FWSC_MOVING (description="DM_FWSC_MOVING", quantity="none")
<i>LongId</i>	DM_SEQ_LABEL (description="DM_SEQ_LABEL [raw]", quantity="none")
<i>StringId</i>	DP_UNIT (description="DP_UNIT", quantity="none")
<i>LongId</i>	SPS_PAR_MONITOR (description="SPS_PAR_MONITOR [raw]", quantity="none")
<i>StringId</i>	DM_DBR_TASK_AL (description="DM_DBR_TASK_AL", quantity="none")
<i>LongId</i>	DM_SEQ_ERROR (description="DM_SEQ_ERROR [raw]", quantity="none")
<i>LongId</i>	DM_DET_SIM_PER (description="DM_DET_SIM_PER [raw]", quantity="none")
<i>DoubleId</i>	BOL_VSS_BU_R_2 (description="BOL_VSS_BU_R_2 [eng, V]", quantity="none")
<i>DoubleId</i>	DM_CAL_SRC_TEMP (description="DM_CAL_SRC_TEMP [eng, K]", quantity="none")

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<i>StringId</i>	DM_DSIM_R_SIMUL (description="DM_DSIM_R_SIMUL", quantity="none")
<i>StringId</i>	DM_DBC_ERR_NS (description="DM_DBC_ERR_NS", quantity="none")
<i>DoubleId</i>	BOL_VSS_BU_R_1 (description="BOL_VSS_BU_R_1 [eng, V]", quantity="none")
<i>StringId</i>	DM_DRC_POWER (description="DM_DRC_POWER", quantity="none")
<i>StringId</i>	DM_SEQ_TASK_WR (description="DM_SEQ_TASK_WR", quantity="none")
<i>StringId</i>	DM_FWSP_CUR_POS (description="DM_FWSP_CUR_POS", quantity="none")
<i>LongId</i>	DM_CC_ERROR (description="DM_CC_ERROR [raw]", quantity="none")
<i>StringId</i>	DM_DPUR_ERR_NS (description="DM_DPUR_ERR_NS", quantity="none")
<i>LongId</i>	DM_HKD_ERROR (description="DM_HKD_ERROR [raw]", quantity="none")
<i>StringId</i>	DP_SPUS_CMD (description="DP_SPUS_CMD", quantity="none")
<i>LongId</i>	DM_CC_SPARE1C (description="DM_CC_SPARE1C [raw]", quantity="none")
<i>DoubleId</i>	BOL_CKTRIL_R_B1 (description="BOL_CKTRIL_R_B1 [eng, V]", quantity="none")
<i>StringId</i>	DP_1553_HANDLER (description="DP_1553_HANDLER", quantity="none")
<i>DoubleId</i>	DM_SPU_VCC_VOL (description="DM_SPU_VCC_VOL [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_CKTRIL_R_B2 (description="BOL_CKTRIL_R_B2 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VDDPRO_BUR2 (description="BOL_VDDPRO_BUR2 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_CKTRIL_R_B3 (description="BOL_CKTRIL_R_B3 [eng, V]", quantity="none")
<i>LongId</i>	DM_DPUS_SPARE4 (description="DM_DPUS_SPARE4 [raw]", quantity="none")
<i>DoubleId</i>	BOL_VDDPRO_BUR1 (description="BOL_VDDPRO_BUR1 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_CKTRIL_R_B4 (description="BOL_CKTRIL_R_B4 [eng, V]", quantity="none")
<i>LongId</i>	FIRST32BIT_TIME (description="FIRST32BIT_TIME [raw]", quantity="none")
<i>DoubleId</i>	DM_GRATING_TEMP (description="DM_GRATING_TEMP [eng, K]", quantity="none")
<i>LongId</i>	DM_CS2C_SPARE4 (description="DM_CS2C_SPARE4 [raw]", quantity="none")
<i>DoubleId</i>	BOL_VGG_B_3 (description="BOL_VGG_B_3 [eng, V]", quantity="none")

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<i>DoubleId</i>	BOL_VGG_B_2 (description="BOL_VGG_B_2 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VGG_B_4 (description="BOL_VGG_B_4 [eng, V]", quantity="none")
<i>StringId</i>	DP_TM_RATE (description="DP_TM_RATE", quantity="none")
<i>DoubleId</i>	BOL_VGG_B_1 (description="BOL_VGG_B_1 [eng, V]", quantity="none")
<i>LongId</i>	DM_CS2C_SPARE1 (description="DM_CS2C_SPARE1 [raw]", quantity="none")
<i>StringId</i>	DM_DRR_SIM_TIME (description="DM_DRR_SIM_TIME", quantity="none")
<i>StringId</i>	DM_DPUR_LINK (description="DM_DPUR_LINK", quantity="none")
<i>StringId</i>	DM_CC_SYNCHRO (description="DM_CC_SYNCHRO", quantity="none")
<i>LongId</i>	DM_RED_ENC_PAC (description="DM_RED_ENC_PAC [raw]", quantity="none")
<i>StringId</i>	DP_DMC_LINK (description="DP_DMC_LINK", quantity="none")
<i>DoubleId</i>	BOL_I_VSS_R_1 (description="BOL_I_VSS_R_1 [eng, A]", quantity="none")
<i>DoubleId</i>	BOL_I_VSS_R_2 (description="BOL_I_VSS_R_2 [eng, A]", quantity="none")
<i>StringId</i>	DM_RPE_LINK (description="DM_RPE_LINK", quantity="none")
<i>StringId</i>	DM_RSPU_TR_MODE (description="DM_RSPU_TR_MODE", quantity="none")
<i>StringId</i>	DP_EV_BOL_V_PWR (description="DP_EV_BOL_V_PWR", quantity="none")
<i>StringId</i>	DP_SPUL_CMD (description="DP_SPUL_CMD", quantity="none")
<i>LongId</i>	DM_CS1_CTRL_STA (description="DM_CS1_CTRL_STA [raw]", quantity="none")
<i>LongId</i>	DP_SPUS_LINK_DE (description="DP_SPUS_LINK_DE [raw]", quantity="none")
<i>LongId</i>	DM_OBT_COUNT (description="DM_OBT_COUNT [raw]", quantity="none")
<i>DoubleId</i>	DP_T (description="DP_T [eng, degC]", quantity="none")
<i>LongId</i>	DM_DECB_CTRL_ST (description="DM_DECB_CTRL_ST [raw]", quantity="none")
<i>StringId</i>	DM_CS1C_TASK_AL (description="DM_CS1C_TASK_AL", quantity="none")
<i>LongId</i>	DM_FWSC_SPARE1B (description="DM_FWSC_SPARE1B [raw]", quantity="none")
<i>StringId</i>	DM_DSIM_BOL_SIM (description="DM_DSIM_BOL_SIM", quantity="none")
<i>StringId</i>	DM_CC_LOOP (description="DM_CC_LOOP", quantity="none")
<i>StringId</i>	DP_STABLE_DEC (description="DP_STABLE_DEC", quantity="none")
<i>StringId</i>	SPS_DMC_ERROR (description="SPS_DMC_ERROR", quantity="none")

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<i>DoubleId</i>	BOL_VDECXH_B_1 (description="BOL_VDECXH_B_1 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VDL_BU_B_1 (description="BOL_VDL_BU_B_1 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VDECXH_B_3 (description="BOL_VDECXH_B_3 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VDL_BU_B_3 (description="BOL_VDL_BU_B_3 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VDECXH_B_2 (description="BOL_VDECXH_B_2 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VDL_BU_B_2 (description="BOL_VDL_BU_B_2 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_I_VSS_BU_R1 (description="BOL_I_VSS_BU_R1 [eng, A]", quantity="none")
<i>DoubleId</i>	BOL_I_VSS_BU_R2 (description="BOL_I_VSS_BU_R2 [eng, A]", quantity="none")
<i>DoubleId</i>	BOL_VDECXH_B_4 (description="BOL_VDECXH_B_4 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VDL_BU_B_4 (description="BOL_VDL_BU_B_4 [eng, V]", quantity="none")
<i>LongId</i>	DM_FWGRAT_HALLB (description="DM_FWGRAT_HALLB [raw]", quantity="none")
<i>LongId</i>	DM_GRAT_CUR_POS (description="DM_GRAT_CUR_POS [raw]", quantity="none")
<i>DoubleId</i>	BOL_VDL_B_1 (description="BOL_VDL_B_1 [eng, V]", quantity="none")
<i>LongId</i>	DM_FWGRAT_HALLA (description="DM_FWGRAT_HALLA [raw]", quantity="none")
<i>StringId</i>	DM_BC_LINK (description="DM_BC_LINK", quantity="none")
<i>LongId</i>	DM_CHOP_SETPOIN (description="DM_CHOP_SETPOIN [raw]", quantity="none")
<i>DoubleId</i>	BOL_VDL_B_4 (description="BOL_VDL_B_4 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VDL_B_3 (description="BOL_VDL_B_3 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VDL_B_2 (description="BOL_VDL_B_2 [eng, V]", quantity="none")
<i>StringId</i>	DM_GC_TASK_WR (description="DM_GC_TASK_WR", quantity="none")
<i>DoubleId</i>	BOL_VGG_R_1 (description="BOL_VGG_R_1 [eng, V]", quantity="none")
<i>StringId</i>	DP_EV_BOL_I_SP2 (description="DP_EV_BOL_I_SP2", quantity="none")
<i>DoubleId</i>	BOL_VGG_R_2 (description="BOL_VGG_R_2 [eng, V]", quantity="none")
<i>StringId</i>	DP_EV_BOL_I_SP1 (description="DP_EV_BOL_I_SP1", quantity="none")

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<i>LongId</i>	DM_DPU_REC_PAC (description="DM_DPU_REC_PAC [raw]", quantity="none")
<i>StringId</i>	DP_COUNTER_PHOT (description="DP_COUNTER_PHOT", quantity="none")
<i>LongId</i>	SPS_OBSID (description="SPS_OBSID [raw]", quantity="none")
<i>StringId</i>	SPL_SATUR_FLAG (description="SPL_SATUR_FLAG", quantity="none")
<i>DoubleId</i>	BOL_VSS_R_1 (description="BOL_VSS_R_1 [eng, V]", quantity="none")
<i>LongId</i>	DM_SEQ_STATUS (description="DM_SEQ_STATUS [raw]", quantity="none")
<i>DoubleId</i>	BOL_VSS_R_2 (description="BOL_VSS_R_2 [eng, V]", quantity="none")
<i>DoubleId</i>	DM_CS2_RES_VAL (description="DM_CS2_RES_VAL [eng, Ohm]", quantity="none")
<i>StringId</i>	DM_DRC_LINK (description="DM_DRC_LINK", quantity="none")
<i>DoubleId</i>	BOL_VSMSL_R_1 (description="BOL_VSMSL_R_1 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VSMSL_R_2 (description="BOL_VSMSL_R_2 [eng, V]", quantity="none")
<i>StringId</i>	DM_FPU_S1_TS_ST (description="DM_FPU_S1_TS_ST", quantity="none")
<i>StringId</i>	DM_BC_TASK_AL (description="DM_BC_TASK_AL", quantity="none")
<i>LongId</i>	DP_COM_SPS_NACK (description="DP_COM_SPS_NACK [raw]", quantity="none")
<i>StringId</i>	DM_BC_ERR_NS (description="DM_BC_ERR_NS", quantity="none")
<i>StringId</i>	DM_DBC_POWER (description="DM_DBC_POWER", quantity="none")
<i>LongId</i>	DM_RED_PAC_ENC (description="DM_RED_PAC_ENC [raw]", quantity="none")
<i>LongId</i>	DM_DBC_SPARE3 (description="DM_DBC_SPARE3 [raw]", quantity="none")
<i>DoubleId</i>	DM_FPU_T2_TEMP (description="DM_FPU_T2_TEMP [eng, K]", quantity="none")
<i>StringId</i>	DM_FWPC_POS_B (description="DM_FWPC_POS_B", quantity="none")
<i>StringId</i>	DM_FWPC_POS_A (description="DM_FWPC_POS_A", quantity="none")
<i>LongId</i>	DM_CS1C_ERROR (description="DM_CS1C_ERROR [raw]", quantity="none")
<i>StringId</i>	DP_EV_DEC_SPC (description="DP_EV_DEC_SPC", quantity="none")
<i>LongId</i>	HD_SOURCE_TYPE (description="HD_SOURCE_TYPE [raw]", quantity="none")
<i>StringId</i>	DM_GC_HOM_COMP (description="DM_GC_HOM_COMP", quantity="none")

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<i>StringId</i>	DP_EVENT_DEC (description="DP_EVENT_DEC", quantity="none")
<i>LongId</i>	DP_COM_DMC (description="DP_COM_DMC [raw]", quantity="none")
<i>LongId</i>	DM_FWSC_SPARE1A (description="DM_FWSC_SPARE1A [raw]", quantity="none")
<i>StringId</i>	DM_FWPC_MOVING (description="DM_FWPC_MOVING", quantity="none")
<i>StringId</i>	DP_EV_BOL_T_WE (description="DP_EV_BOL_T_WE", quantity="none")
<i>StringId</i>	DM_CC_DOWN (description="DM_CC_DOWN", quantity="none")
<i>DoubleId</i>	DM_DCDC_TEMP (description="DM_DCDC_TEMP [eng, K]", quantity="none")
<i>StringId</i>	DM_HKD_DIAGMODE (description="DM_HKD_DIAGMODE", quantity="none")
<i>StringId</i>	DM_CS2C_TASK_AL (description="DM_CS2C_TASK_AL", quantity="none")
<i>StringId</i>	DM_DRR_LINK (description="DM_DRR_LINK", quantity="none")
<i>StringId</i>	DP_AF_24_SPARE (description="DP_AF_24_SPARE", quantity="none")
<i>StringId</i>	DP_1553CHANNEL (description="DP_1553CHANNEL", quantity="none")
<i>DoubleId</i>	DM_FW_SPEC_TEMP (description="DM_FW_SPEC_TEMP [eng, K]", quantity="none")
<i>LongId</i>	DM_FWPC_SPARE4 (description="DM_FWPC_SPARE4 [raw]", quantity="none")
<i>StringId</i>	DM_DBR_SENDING (description="DM_DBR_SENDING", quantity="none")
<i>StringId</i>	DM_DRR_TASK_AL (description="DM_DRR_TASK_AL", quantity="none")
<i>LongId</i>	DM_SEQ_SPARE1 (description="DM_SEQ_SPARE1 [raw]", quantity="none")
<i>DoubleId</i>	BOL_VDL_R_1 (description="BOL_VDL_R_1 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VSS_BU_B_4 (description="BOL_VSS_BU_B_4 [eng, V]", quantity="none")
<i>LongId</i>	DM_SEQ_SPARE2 (description="DM_SEQ_SPARE2 [raw]", quantity="none")
<i>DoubleId</i>	BOL_VSS_BU_B_2 (description="BOL_VSS_BU_B_2 [eng, V]", quantity="none")
<i>StringId</i>	DM_GC_PID (description="DM_GC_PID", quantity="none")
<i>StringId</i>	DM_GC_POWER (description="DM_GC_POWER", quantity="none")
<i>LongId</i>	DM_DPUS_ERROR (description="DM_DPUS_ERROR [raw]", quantity="none")
<i>DoubleId</i>	BOL_VDL_R_2 (description="BOL_VDL_R_2 [eng, V]", quantity="none")

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<i>DoubleId</i>	DM_CS1_RES_VAL (description="DM_CS1_RES_VAL [eng, Ohm]", quantity="none")
<i>DoubleId</i>	BOL_VSS_BU_B_3 (description="BOL_VSS_BU_B_3 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VSS_BU_B_1 (description="BOL_VSS_BU_B_1 [eng, V]", quantity="none")
<i>StringId</i>	DM_BSPU_TR_MODE (description="DM_BSPU_TR_MODE", quantity="none")
<i>StringId</i>	DM_DRC_TASK_WR (description="DM_DRC_TASK_WR", quantity="none")
<i>LongId</i>	DP_COM_SPUS (description="DP_COM_SPUS [raw]", quantity="none")
<i>StringId</i>	DM_CC_ERR_NS (description="DM_CC_ERR_NS", quantity="none")
<i>DoubleId</i>	BOL_VSS_B_4 (description="BOL_VSS_B_4 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VSS_B_3 (description="BOL_VSS_B_3 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VSS_B_2 (description="BOL_VSS_B_2 [eng, V]", quantity="none")
<i>LongId</i>	DP_COM_SPUL (description="DP_COM_SPUL [raw]", quantity="none")
<i>DoubleId</i>	BOL_VSS_B_1 (description="BOL_VSS_B_1 [eng, V]", quantity="none")
<i>StringId</i>	DM_DSIM_TIME (description="DM_DSIM_TIME", quantity="none")
<i>LongId</i>	DM_HKD_SPARE3 (description="DM_HKD_SPARE3 [raw]", quantity="none")
<i>LongId</i>	DP_AF_STATUS (description="DP_AF_STATUS [raw]", quantity="none")
<i>LongId</i>	DM_DSIM_SPARE1B (description="DM_DSIM_SPARE1B [raw]", quantity="none")
<i>LongId</i>	DM_DSIM_SPARE1A (description="DM_DSIM_SPARE1A [raw]", quantity="none")
<i>StringId</i>	DM_DPUS_TASK_AL (description="DM_DPUS_TASK_AL", quantity="none")
<i>LongId</i>	DP_SPARE (description="DP_SPARE [raw]", quantity="none")
<i>LongId</i>	DM_CC_SPARE4 (description="DM_CC_SPARE4 [raw]", quantity="none")
<i>DoubleId</i>	BOL_HEATER_SP (description="BOL_HEATER_SP [eng, A]", quantity="none")
<i>StringId</i>	DM_BR_ERR_NS (description="DM_BR_ERR_NS", quantity="none")
<i>LongId</i>	DM_PM_DF_IND (description="DM_PM_DF_IND [raw]", quantity="none")
<i>LongId</i>	DM_DPUR_ERROR (description="DM_DPUR_ERROR [raw]", quantity="none")

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<i>DoubleId</i>	LAST_16BIT_TIME (description="LAST_16BIT_TIME [eng, s]", quantity="none")
<i>LongId</i>	DM_BOL_REC_STAT (description="DM_BOL_REC_STAT [raw]", quantity="none")
<i>StringId</i>	DM_BPE_ERR_NS (description="DM_BPE_ERR_NS", quantity="none")
<i>LongId</i>	SPS_INTEG_RAMPS (description="SPS_INTEG_RAMPS [raw]", quantity="none")
<i>LongId</i>	DM_IRS_CNT (description="DM_IRS_CNT [raw]", quantity="none")
<i>LongId</i>	DM_CHOP_CUR_POS (description="DM_CHOP_CUR_POS [raw]", quantity="none")
<i>LongId</i>	DM_HKD_SPARE1 (description="DM_HKD_SPARE1 [raw]", quantity="none")
<i>StringId</i>	DM_GC_COMMUT (description="DM_GC_COMMUT", quantity="none")
<i>StringId</i>	DM_FWPH_CUR_POS (description="DM_FWPH_CUR_POS", quantity="none")
<i>StringId</i>	DM_DBC_LINK (description="DM_DBC_LINK", quantity="none")
<i>LongId</i>	DM_SEQ_POINTER (description="DM_SEQ_POINTER [raw]", quantity="none")
<i>LongId</i>	DM_BPE_ERROR (description="DM_BPE_ERROR [raw]", quantity="none")
<i>LongId</i>	SPL_CI (description="SPL_CI [raw]", quantity="none")
<i>LongId</i>	DM_DECR_CTRL_ST (description="DM_DECR_CTRL_ST [raw]", quantity="none")
<i>LongId</i>	DP_TC_LOST (description="DP_TC_LOST [raw]", quantity="none")
<i>DoubleId</i>	DP_VOL_15P (description="DP_VOL_15P [eng, V]", quantity="none")
<i>DoubleId</i>	DP_VOL_15N (description="DP_VOL_15N [eng, V]", quantity="none")
<i>LongId</i>	HD_SRC_SEQ_CTN (description="HD_SRC_SEQ_CTN [raw]", quantity="none")
<i>DoubleId</i>	DM_REF_VOLT_0V (description="DM_REF_VOLT_0V [eng, V]", quantity="none")
<i>StringId</i>	DP_COUNTER_DEC (description="DP_COUNTER_DEC", quantity="none")
<i>DoubleId</i>	BOL_VSMESH_B_4 (description="BOL_VSMESH_B_4 [eng, V]", quantity="none")
<i>LongId</i>	DM_B_SPEC_READ (description="DM_B_SPEC_READ [raw]", quantity="none")
<i>DoubleId</i>	BOL_VSMESH_B_3 (description="BOL_VSMESH_B_3 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_TEMP_FPU_ST (description="BOL_TEMP_FPU_ST [eng, K]", quantity="none")
<i>DoubleId</i>	BOL_VSMESH_B_2 (description="BOL_VSMESH_B_2 [eng, V]", quantity="none")

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<i>DoubleId</i>	BOL_VSMESH_B_1 (description="BOL_VSMESH_B_1 [eng, V]", quantity="none")
<i>LongId</i>	DM_MIM_ST (description="DM_MIM_ST [raw]", quantity="none")
<i>LongId</i>	DP_COM_REJ_DPU (description="DP_COM_REJ_DPU [raw]", quantity="none")
<i>LongId</i>	DM_FW_PHOT_CTRL (description="DM_FW_PHOT_CTRL [raw]", quantity="none")
<i>DoubleId</i>	BOL_VDDPRO_CLR2 (description="BOL_VDDPRO_CLR2 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VDDPRO_CLR1 (description="BOL_VDDPRO_CLR1 [eng, V]", quantity="none")
<i>LongId</i>	HD_APIID (description="HD_APIID [raw]", quantity="none")
<i>DoubleId</i>	BOL_I_HEATER_B4 (description="BOL_I_HEATER_B4 [eng, A]", quantity="none")
<i>StringId</i>	DM_CS2C_DOWN (description="DM_CS2C_DOWN", quantity="none")
<i>StringId</i>	DM_CS1C_COMMUT (description="DM_CS1C_COMMUT", quantity="none")
<i>StringId</i>	DP_EV_BOL_I_FPU (description="DP_EV_BOL_I_FPU", quantity="none")
<i>DoubleId</i>	BOL_I_HEATER_B2 (description="BOL_I_HEATER_B2 [eng, A]", quantity="none")
<i>DoubleId</i>	BOL_I_HEATER_B3 (description="BOL_I_HEATER_B3 [eng, A]", quantity="none")
<i>DoubleId</i>	BOL_I_HEATER_B1 (description="BOL_I_HEATER_B1 [eng, A]", quantity="none")
<i>LongId</i>	DM_DECB_REC_STA (description="DM_DECB_REC_STA [raw]", quantity="none")
<i>DoubleId</i>	BOL_TEMP_EV (description="BOL_TEMP_EV [eng, K]", quantity="none")
<i>StringId</i>	DM_HKCO_TASK_WR (description="DM_HKCO_TASK_WR", quantity="none")
<i>LongId</i>	SPL_VID (description="SPL_VID [raw]", quantity="none")
<i>DoubleId</i>	DM_SPU_SWL_TEMP (description="DM_SPU_SWL_TEMP [eng, K]", quantity="none")
<i>LongId</i>	DP_SPUL_LINK_PE (description="DP_SPUL_LINK_PE [raw]", quantity="none")
<i>StringId</i>	DP_SPS_LINK (description="DP_SPS_LINK", quantity="none")
<i>StringId</i>	DM_CS2C_SYNCHRO (description="DM_CS2C_SYNCHRO", quantity="none")
<i>StringId</i>	DM_FPU_S2_TS_ST (description="DM_FPU_S2_TS_ST", quantity="none")
<i>LongId</i>	DM_GRAT_CTRL_ST (description="DM_GRAT_CTRL_ST [raw]", quantity="none")
<i>LongId</i>	DM_HK_CTRL_STAT (description="DM_HK_CTRL_STAT [raw]", quantity="none")
<i>LongId</i>	DM_DBR_SPARE2 (description="DM_DBR_SPARE2 [raw]", quantity="none")

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<i>StringId</i>	DM_CS1C_PID (description="DM_CS1C_PID", quantity="none")
<i>LongId</i>	DM_CHOP_PID_ACC (description="DM_CHOP_PID_ACC [raw]", quantity="none")
<i>DoubleId</i>	DM_SPU_VCC_CUR (description="DM_SPU_VCC_CUR [eng, A]", quantity="none")
<i>LongId</i>	DM_DECR_CTRL_PA (description="DM_DECR_CTRL_PA [raw]", quantity="none")
<i>DoubleId</i>	DM_FW_PHOT_TEMP (description="DM_FW_PHOT_TEMP [eng, K]", quantity="none")
<i>LongId</i>	SPL_SAMP_CORR (description="SPL_SAMP_CORR [raw]", quantity="none")
<i>StringId</i>	DP_OBCP_MANAGER (description="DP_OBCP_MANAGER", quantity="none")
<i>DoubleId</i>	BOL_CKRLH_R_1 (description="BOL_CKRLH_R_1 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_CKRLH_R_2 (description="BOL_CKRLH_R_2 [eng, V]", quantity="none")
<i>StringId</i>	DP_IRQ3_TASK (description="DP_IRQ3_TASK", quantity="none")
<i>LongId</i>	DM_HKCO_SPARE5 (description="DM_HKCO_SPARE5 [raw]", quantity="none")
<i>StringId</i>	SPS_DMC_LINK (description="SPS_DMC_LINK", quantity="none")
<i>StringId</i>	DP_RED_SCIENCE (description="DP_RED_SCIENCE", quantity="none")
<i>StringId</i>	DM_DRR_TASK_WR (description="DM_DRR_TASK_WR", quantity="none")
<i>LongId</i>	DM_DPUR_SPARE4 (description="DM_DPUR_SPARE4 [raw]", quantity="none")
<i>LongId</i>	DP_COM_SPL_NACK (description="DP_COM_SPL_NACK [raw]", quantity="none")
<i>LongId</i>	DM_CS2C_SPARE1B (description="DM_CS2C_SPARE1B [raw]", quantity="none")
<i>LongId</i>	SID (description="SID [raw]", quantity="none")
<i>LongId</i>	HD_VERSION_NUMB (description="HD_VERSION_NUMB [raw]", quantity="none")
<i>LongId</i>	DM_FWPC_SPARE1B (description="DM_FWPC_SPARE1B [raw]", quantity="none")
<i>LongId</i>	DM_FWPC_SPARE1A (description="DM_FWPC_SPARE1A [raw]", quantity="none")
<i>DoubleId</i>	SPL_CPUWORKLOAD (description="SPL_CPUWORKLOAD [eng, %]", quantity="none")
<i>LongId</i>	DP_GEN_TM_LOST (description="DP_GEN_TM_LOST [raw]", quantity="none")
<i>DoubleId</i>	BOL_CKRLB_B_1 (description="BOL_CKRLB_B_1 [eng, V]", quantity="none")
<i>LongId</i>	DM_LAST_ERR_ID (description="DM_LAST_ERR_ID [raw]", quantity="none")

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<i>DoubleId</i>	BOL_VDD_R_2 (description="BOL_VDD_R_2 [eng, V]", quantity="none")
<i>StringId</i>	DP_SPUS_LINK (description="DP_SPUS_LINK", quantity="none")
<i>StringId</i>	DM_SW_COPY_OBS (description="DM_SW_COPY_OBS", quantity="none")
<i>DoubleId</i>	BOL_VDD_R_1 (description="BOL_VDD_R_1 [eng, V]", quantity="none")
<i>StringId</i>	DP_HK_CHK (description="DP_HK_CHK", quantity="none")
<i>LongId</i>	DM_GC_LL_SC (description="DM_GC_LL_SC [raw]", quantity="none")
<i>StringId</i>	DM_DRC_ERR_NS (description="DM_DRC_ERR_NS", quantity="none")
<i>LongId</i>	DM_RPE_SPARE4 (description="DM_RPE_SPARE4 [raw]", quantity="none")
<i>LongId</i>	DM_DRC_ERROR (description="DM_DRC_ERROR [raw]", quantity="none")
<i>DoubleId</i>	DP_WORK_LOAD (description="DP_WORK_LOAD [eng, %]", quantity="none")
<i>LongId</i>	SPL_OBSID (description="SPL_OBSID [raw]", quantity="none")
<i>StringId</i>	DP_DEC_LINK (description="DP_DEC_LINK", quantity="none")
<i>LongId</i>	DP_COM_DMC_PACK (description="DP_COM_DMC_PACK [raw]", quantity="none")
<i>StringId</i>	DM_GC_LL_LOCKED (description="DM_GC_LL_LOCKED", quantity="none")
<i>DoubleId</i>	BOL_VH_BLIND_B2 (description="BOL_VH_BLIND_B2 [eng, V]", quantity="none")
<i>StringId</i>	DP_EEPROM_PROT (description="DP_EEPROM_PROT", quantity="none")
<i>DoubleId</i>	BOL_VH_BLIND_B1 (description="BOL_VH_BLIND_B1 [eng, V]", quantity="none")
<i>LongId</i>	DM_LAST_ER_BF3 (description="DM_LAST_ER_BF3 [raw]", quantity="none")
<i>StringId</i>	DM_DSIM_B_SIMUL (description="DM_DSIM_B_SIMUL", quantity="none")
<i>LongId</i>	DM_LAST_ER_BF4 (description="DM_LAST_ER_BF4 [raw]", quantity="none")
<i>LongId</i>	DM_LAST_ER_BF5 (description="DM_LAST_ER_BF5 [raw]", quantity="none")
<i>LongId</i>	DM_LAST_ER_BF6 (description="DM_LAST_ER_BF6 [raw]", quantity="none")
<i>LongId</i>	DM_LAST_ER_BF7 (description="DM_LAST_ER_BF7 [raw]", quantity="none")
<i>DoubleId</i>	BOL_VH_BLIND_B4 (description="BOL_VH_BLIND_B4 [eng, V]", quantity="none")
<i>LongId</i>	DM_LAST_ER_BF8 (description="DM_LAST_ER_BF8 [raw]", quantity="none")
<i>DoubleId</i>	BOL_VH_BLIND_B3 (description="BOL_VH_BLIND_B3 [eng, V]", quantity="none")

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<i>LongId</i>	DM_LAST_ER_BF9 (description="DM_LAST_ER_BF9 [raw]", quantity="none")
<i>DoubleId</i>	BOL_PWR_DIG_2 (description="BOL_PWR_DIG_2 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_PWR_DIG_1 (description="BOL_PWR_DIG_1 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_PWR_DIG_4 (description="BOL_PWR_DIG_4 [eng, V]", quantity="none")
<i>StringId</i>	DM_SEQ_TASK_AL (description="DM_SEQ_TASK_AL", quantity="none")
<i>DoubleId</i>	BOL_PWR_DIG_3 (description="BOL_PWR_DIG_3 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_PWR_DIG_6 (description="BOL_PWR_DIG_6 [eng, V]", quantity="none")
<i>StringId</i>	DM_CS1C_TASK_WR (description="DM_CS1C_TASK_WR", quantity="none")
<i>DoubleId</i>	BOL_PWR_DIG_5 (description="BOL_PWR_DIG_5 [eng, V]", quantity="none")
<i>LongId</i>	DM_FPU_T_SEN_ST (description="DM_FPU_T_SEN_ST [raw]", quantity="none")
<i>LongId</i>	DM_BOL_STATUS (description="DM_BOL_STATUS [raw]", quantity="none")
<i>StringId</i>	DM_BR_SIM_TIME (description="DM_BR_SIM_TIME", quantity="none")
<i>LongId</i>	SPS_SUBVERSION (description="SPS_SUBVERSION [raw]", quantity="none")
<i>LongId</i>	DM_LAST_ER_BF2 (description="DM_LAST_ER_BF2 [raw]", quantity="none")
<i>DoubleId</i>	BOL_PWR_DIG_7 (description="BOL_PWR_DIG_7 [eng, V]", quantity="none")
<i>LongId</i>	DM_SEQ_WAIT_IND (description="DM_SEQ_WAIT_IND [raw]", quantity="none")
<i>LongId</i>	DM_LAST_ER_BF1 (description="DM_LAST_ER_BF1 [raw]", quantity="none")
<i>LongId</i>	DM_DET_SIM_STAT (description="DM_DET_SIM_STAT [raw]", quantity="none")
<i>StringId</i>	DM_FPU_FWP_TS_S (description="DM_FPU_FWP_TS_S", quantity="none")
<i>LongId</i>	DP_1_2_REJECTED (description="DP_1_2_REJECTED [raw]", quantity="none")
<i>StringId</i>	DM_CS2C_POWER (description="DM_CS2C_POWER", quantity="none")
<i>StringId</i>	DM_CS2C_COMMUT (description="DM_CS2C_COMMUT", quantity="none")
<i>StringId</i>	DP_BUFFER_STAT (description="DP_BUFFER_STAT", quantity="none")
<i>StringId</i>	DM_FWSC_POSC_A (description="DM_FWSC_POSC_A", quantity="none")

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<i>StringId</i>	DP_COUNTER_SPEC (description="DP_COUNTER_SPEC", quantity="none")
<i>StringId</i>	DM_FWSC_POSC_B (description="DM_FWSC_POSC_B", quantity="none")
<i>StringId</i>	SPS_SATUR_FLAG (description="SPS_SATUR_FLAG", quantity="none")
<i>LongId</i>	DM_BOL_READ_CNT (description="DM_BOL_READ_CNT [raw]", quantity="none")
<i>LongId</i>	DM_DECB_REC_PAC (description="DM_DECB_REC_PAC [raw]", quantity="none")
<i>DoubleId</i>	BOL_GND_BU_B_3 (description="BOL_GND_BU_B_3 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_GND_BU_B_4 (description="BOL_GND_BU_B_4 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_GND_BU_B_1 (description="BOL_GND_BU_B_1 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_GND_BU_B_2 (description="BOL_GND_BU_B_2 [eng, V]", quantity="none")
<i>LongId</i>	DP_HK_LOST (description="DP_HK_LOST [raw]", quantity="none")
<i>StringId</i>	DP_CONTROLLER (description="DP_CONTROLLER", quantity="none")
<i>StringId</i>	DP_STABLE_SPL (description="DP_STABLE_SPL", quantity="none")
<i>StringId</i>	DM_HKD_TASK_AL (description="DM_HKD_TASK_AL", quantity="none")
<i>StringId</i>	DM_BPE_TASK_AL (description="DM_BPE_TASK_AL", quantity="none")
<i>StringId</i>	DM_DSIM_ERR_NS (description="DM_DSIM_ERR_NS", quantity="none")
<i>LongId</i>	SPL_PAR_MONITOR (description="SPL_PAR_MONITOR [raw]", quantity="none")
<i>StringId</i>	DM_FWSC_POWER (description="DM_FWSC_POWER", quantity="none")
<i>StringId</i>	DM_SW_ALIVE (description="DM_SW_ALIVE", quantity="none")
<i>StringId</i>	DM_CC_POWER (description="DM_CC_POWER", quantity="none")
<i>DoubleId</i>	BOL_CKTRIL_R_R2 (description="BOL_CKTRIL_R_R2 [eng, V]", quantity="none")
<i>StringId</i>	DM_DBR_LINK (description="DM_DBR_LINK", quantity="none")
<i>DoubleId</i>	BOL_CKTRIL_R_R1 (description="BOL_CKTRIL_R_R1 [eng, V]", quantity="none")
<i>LongId</i>	DP_SPUS_LINK_PE (description="DP_SPUS_LINK_PE [raw]", quantity="none")
<i>StringId</i>	DP_STABLE_SPS (description="DP_STABLE_SPS", quantity="none")
<i>LongId</i>	DM_FWSC_SPARE4 (description="DM_FWSC_SPARE4 [raw]", quantity="none")

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<i>LongId</i>	DM_DRC_SPARE3 (description="DM_DRC_SPARE3 [raw]", quantity="none")
<i>LongId</i>	DM_GC_ERROR (description="DM_GC_ERROR [raw]", quantity="none")
<i>StringId</i>	DM_DPUR_TASK_AL (description="DM_DPUR_TASK_AL", quantity="none")
<i>DoubleId</i>	BOL_VRL_R_2 (description="BOL_VRL_R_2 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VRL_R_1 (description="BOL_VRL_R_1 [eng, V]", quantity="none")
<i>StringId</i>	DM_BC_TASK_WR (description="DM_BC_TASK_WR", quantity="none")
<i>StringId</i>	DP_SPL_LINK (description="DP_SPL_LINK", quantity="none")
<i>StringId</i>	DM_FWPC_SEARCHA (description="DM_FWPC_SEARCHA", quantity="none")
<i>StringId</i>	DM_FWPC_SEARCHB (description="DM_FWPC_SEARCHB", quantity="none")
<i>LongId</i>	DM_DECR_REC_STA (description="DM_DECR_REC_STA [raw]", quantity="none")
<i>StringId</i>	DM_GC_ERR_NS (description="DM_GC_ERR_NS", quantity="none")
<i>StringId</i>	DM_DBR_SIM_TIME (description="DM_DBR_SIM_TIME", quantity="none")
<i>DoubleId</i>	BOL_VDDPRO_BUB1 (description="BOL_VDDPRO_BUB1 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VDDPRO_BUB2 (description="BOL_VDDPRO_BUB2 [eng, V]", quantity="none")
<i>LongId</i>	DP_COM_SPL_PACK (description="DP_COM_SPL_PACK [raw]", quantity="none")
<i>DoubleId</i>	BOL_VDDPRO_BUB3 (description="BOL_VDDPRO_BUB3 [eng, V]", quantity="none")
<i>LongId</i>	DM_DBC_ERROR (description="DM_DBC_ERROR [raw]", quantity="none")
<i>DoubleId</i>	BOL_VDDPRO_BUB4 (description="BOL_VDDPRO_BUB4 [eng, V]", quantity="none")
<i>StringId</i>	DM_HKCO_ERR_NS (description="DM_HKCO_ERR_NS", quantity="none")
<i>StringId</i>	DM_SEQ_OPTIONS (description="DM_SEQ_OPTIONS", quantity="none")
<i>DoubleId</i>	DM_DSP_TEMP (description="DM_DSP_TEMP [eng, K]", quantity="none")
<i>LongId</i>	HD_LENGTH (description="HD_LENGTH [raw]", quantity="none")
<i>DoubleId</i>	BOL_TEMP_EV_SWT (description="BOL_TEMP_EV_SWT [eng, K]", quantity="none")
<i>DoubleId</i>	DM_SPU_PS_TEMP (description="DM_SPU_PS_TEMP [eng, K]", quantity="none")
<i>LongId</i>	DM_CS1C_SPARE1B (description="DM_CS1C_SPARE1B [raw]", quantity="none")

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<i>DoubleId</i>	BOL_HEAT_SP_SWT (description="BOL_HEAT_SP_SWT [eng, A]", quantity="none")
<i>LongId</i>	DM_BR_SPARE2 (description="DM_BR_SPARE2 [raw]", quantity="none")
<i>LongId</i>	DM_BOL_CTRL_PAC (description="DM_BOL_CTRL_PAC [raw]", quantity="none")
<i>LongId</i>	SPS_MEM_CNTS (description="SPS_MEM_CNTS [raw]", quantity="none")
<i>StringId</i>	SPL_DMC_LINK (description="SPL_DMC_LINK", quantity="none")
<i>StringId</i>	DM_RPE_TASK_AL (description="DM_RPE_TASK_AL", quantity="none")
<i>DoubleId</i>	BOL_VDECXH_R_1 (description="BOL_VDECXH_R_1 [eng, V]", quantity="none")
<i>LongId</i>	DM_CUSTOM_ENT_2 (description="DM_CUSTOM_ENT_2 [raw]", quantity="none")
<i>StringId</i>	DM_CC_UP (description="DM_CC_UP", quantity="none")
<i>StringId</i>	DM_GC_LL_UNLOCK (description="DM_GC_LL_UNLOCK", quantity="none")
<i>DoubleId</i>	BOL_CKRLR_2 (description="BOL_CKRLR_2 [eng, V]", quantity="none")
<i>LongId</i>	DM_CUSTOM_ENT_3 (description="DM_CUSTOM_ENT_3 [raw]", quantity="none")
<i>LongId</i>	DM_RPE_ERROR (description="DM_RPE_ERROR [raw]", quantity="none")
<i>DoubleId</i>	BOL_PWR_ANA_P_6 (description="BOL_PWR_ANA_P_6 [eng, V]", quantity="none")
<i>LongId</i>	HD_SEG_FLAG (description="HD_SEG_FLAG [raw]", quantity="none")
<i>StringId</i>	DP_SPUL_HK (description="DP_SPUL_HK", quantity="none")
<i>DoubleId</i>	BOL_PWR_ANA_P_7 (description="BOL_PWR_ANA_P_7 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VDECXH_R_2 (description="BOL_VDECXH_R_2 [eng, V]", quantity="none")
<i>LongId</i>	DM_CUSTOM_ENT_1 (description="DM_CUSTOM_ENT_1 [raw]", quantity="none")
<i>StringId</i>	DM_BR_TASK_WR (description="DM_BR_TASK_WR", quantity="none")
<i>DoubleId</i>	BOL_PWR_ANA_P_4 (description="BOL_PWR_ANA_P_4 [eng, V]", quantity="none")
<i>LongId</i>	DM_CUSTOM_ENT_6 (description="DM_CUSTOM_ENT_6 [raw]", quantity="none")
<i>DoubleId</i>	BOL_PWR_ANA_P_5 (description="BOL_PWR_ANA_P_5 [eng, V]", quantity="none")
<i>LongId</i>	DM_CUSTOM_ENT_7 (description="DM_CUSTOM_ENT_7 [raw]", quantity="none")
<i>LongId</i>	DM_CUSTOM_ENT_4 (description="DM_CUSTOM_ENT_4 [raw]", quantity="none")

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<i>DoubleId</i>	BOL_PWR_ANA_P_2 (description="BOL_PWR_ANA_P_2 [eng, V]", quantity="none")
<i>StringId</i>	DM_GC_UP (description="DM_GC_UP", quantity="none")
<i>LongId</i>	DM_CUSTOM_ENT_5 (description="DM_CUSTOM_ENT_5 [raw]", quantity="none")
<i>DoubleId</i>	BOL_PWR_ANA_P_3 (description="BOL_PWR_ANA_P_3 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VGL_BU_B_3 (description="BOL_VGL_BU_B_3 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_PWR_ANA_P_1 (description="BOL_PWR_ANA_P_1 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VGL_BU_B_4 (description="BOL_VGL_BU_B_4 [eng, V]", quantity="none")
<i>StringId</i>	DM_CS2C_ERR_NS (description="DM_CS2C_ERR_NS", quantity="none")
<i>DoubleId</i>	BOL_VGL_BU_B_1 (description="BOL_VGL_BU_B_1 [eng, V]", quantity="none")
<i>LongId</i>	DM_CUSTOM_ENT_8 (description="DM_CUSTOM_ENT_8 [raw]", quantity="none")
<i>LongId</i>	DM_OBSID (description="DM_OBSID [raw]", quantity="none")
<i>LongId</i>	DM_CUSTOM_ENT_9 (description="DM_CUSTOM_ENT_9 [raw]", quantity="none")
<i>DoubleId</i>	BOL_VGL_BU_B_2 (description="BOL_VGL_BU_B_2 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VH_B_1 (description="BOL_VH_B_1 [eng, V]", quantity="none")
<i>StringId</i>	DP_EV_BOL_T_FPU (description="DP_EV_BOL_T_FPU", quantity="none")
<i>StringId</i>	DP_OBCP_RUN (description="DP_OBCP_RUN", quantity="none")
<i>DoubleId</i>	DM_CHOP_OUTPUT (description="DM_CHOP_OUTPUT [eng, mA]", quantity="none")
<i>LongId</i>	DM_DECB_CTRL_PA (description="DM_DECB_CTRL_PA [raw]", quantity="none")
<i>LongId</i>	HD_DATA_FLAG (description="HD_DATA_FLAG [raw]", quantity="none")
<i>LongId</i>	DP_DEC_LINK_PE (description="DP_DEC_LINK_PE [raw]", quantity="none")
<i>LongId</i>	SPS_MAINT_RAMPS (description="SPS_MAINT_RAMPS [raw]", quantity="none")
<i>DoubleId</i>	BOL_CKROLL_R_1 (description="BOL_CKROLL_R_1 [eng, V]", quantity="none")
<i>StringId</i>	DM_GC_DOWN (description="DM_GC_DOWN", quantity="none")
<i>DoubleId</i>	BOL_VH_B_4 (description="BOL_VH_B_4 [eng, V]", quantity="none")
<i>StringId</i>	SPL_DMC_ERROR (description="SPL_DMC_ERROR", quantity="none")
<i>DoubleId</i>	BOL_VH_B_2 (description="BOL_VH_B_2 [eng, V]", quantity="none")

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<i>DoubleId</i>	BOL_VH_B_3 (description="BOL_VH_B_3 [eng, V]", quantity="none")
<i>LongId</i>	DM_SW_ERROR (description="DM_SW_ERROR [raw]", quantity="none")
<i>DoubleId</i>	BOL_VL_R_2 (description="BOL_VL_R_2 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VL_R_1 (description="BOL_VL_R_1 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_I_VSS_BU_B2 (description="BOL_I_VSS_BU_B2 [eng, A]", quantity="none")
<i>DoubleId</i>	BOL_I_VSS_BU_B1 (description="BOL_I_VSS_BU_B1 [eng, A]", quantity="none")
<i>DoubleId</i>	BOL_I_VSS_BU_B4 (description="BOL_I_VSS_BU_B4 [eng, A]", quantity="none")
<i>DoubleId</i>	BOL_I_VSS_BU_B3 (description="BOL_I_VSS_BU_B3 [eng, A]", quantity="none")
<i>StringId</i>	DM_FPU_GR_TS_ST (description="DM_FPU_GR_TS_ST", quantity="none")
<i>DoubleId</i>	DM_PSC_V4 (description="DM_PSC_V4 [eng, A]", quantity="none")
<i>DoubleId</i>	DM_PSC_V3 (description="DM_PSC_V3 [eng, mA]", quantity="none")
<i>DoubleId</i>	DM_PSC_V2 (description="DM_PSC_V2 [eng, mA]", quantity="none")
<i>StringId</i>	DM_CC_TASK_WR (description="DM_CC_TASK_WR", quantity="none")
<i>DoubleId</i>	DM_PSC_V1 (description="DM_PSC_V1 [eng, A]", quantity="none")
<i>LongId</i>	DM_DECR_REC_PAC (description="DM_DECR_REC_PAC [raw]", quantity="none")
<i>DoubleId</i>	BOL_VGL_B_3 (description="BOL_VGL_B_3 [eng, V]", quantity="none")
<i>StringId</i>	DM_BPE_TASK_WR (description="DM_BPE_TASK_WR", quantity="none")
<i>LongId</i>	HD_PCKT_SUBTYPE (description="HD_PCKT_SUBTYPE [raw]", quantity="none")
<i>DoubleId</i>	BOL_VGL_B_4 (description="BOL_VGL_B_4 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VGL_B_1 (description="BOL_VGL_B_1 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VGL_B_2 (description="BOL_VGL_B_2 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VH_R_1 (description="BOL_VH_R_1 [eng, V]", quantity="none")
<i>LongId</i>	DM_CHOP_CTRL_ST (description="DM_CHOP_CTRL_ST [raw]", quantity="none")
<i>StringId</i>	DP_SPUL_LINK (description="DP_SPUL_LINK", quantity="none")

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<i>DoubleId</i>	BOL_VH_R_2 (description="BOL_VH_R_2 [eng, V]", quantity="none")
<i>LongId</i>	DM_HK_DIAG_STAT (description="DM_HK_DIAG_STAT [raw]", quantity="none")
<i>StringId</i>	DP_1355_HANDLER (description="DP_1355_HANDLER", quantity="none")
<i>StringId</i>	DM_FPU_CS_TS_ST (description="DM_FPU_CS_TS_ST", quantity="none")
<i>LongId</i>	DM_DM_DF_IND (description="DM_DM_DF_IND [raw]", quantity="none")
<i>DoubleId</i>	DM_CS1_TARGET (description="DM_CS1_TARGET [eng, Ohm]", quantity="none")
<i>LongId</i>	DM_FWPC_ERROR (description="DM_FWPC_ERROR [raw]", quantity="none")
<i>DoubleId</i>	BOL_VGL_BU_R_2 (description="BOL_VGL_BU_R_2 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VGL_BU_R_1 (description="BOL_VGL_BU_R_1 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_CKRLH_B_1 (description="BOL_CKRLH_B_1 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_CKRLH_B_2 (description="BOL_CKRLH_B_2 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_TEMP_FPU1 (description="BOL_TEMP_FPU1 [eng, K]", quantity="none")
<i>DoubleId</i>	BOL_CKRLH_B_3 (description="BOL_CKRLH_B_3 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_TEMP_FPU2 (description="BOL_TEMP_FPU2 [eng, K]", quantity="none")
<i>DoubleId</i>	BOL_CKRLH_B_4 (description="BOL_CKRLH_B_4 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_TEMP_DAQ (description="BOL_TEMP_DAQ [eng, degC]", quantity="none")
<i>LongId</i>	DM_BPE_SPARE4 (description="DM_BPE_SPARE4 [raw]", quantity="none")
<i>LongId</i>	SPL_INTEG_RAMPS (description="SPL_INTEG_RAMPS [raw]", quantity="none")
<i>DoubleId</i>	BOL_VSMSL_B_3 (description="BOL_VSMSL_B_3 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VSMSL_B_4 (description="BOL_VSMSL_B_4 [eng, V]", quantity="none")
<i>LongId</i>	DM_BC_ERROR (description="DM_BC_ERROR [raw]", quantity="none")
<i>StringId</i>	DM_DBR_TASK_WR (description="DM_DBR_TASK_WR", quantity="none")
<i>DoubleId</i>	DM_FPU_T1_TEMP (description="DM_FPU_T1_TEMP [eng, K]", quantity="none")
<i>StringId</i>	DM_DRR_ERR_NS (description="DM_DRR_ERR_NS", quantity="none")

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<i>StringId</i>	DM_BR_TASK_AL (description="DM_BR_TASK_AL", quantity="none")
<i>DoubleId</i>	BOL_VDECXL_R_1 (description="BOL_VDECXL_R_1 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VDECXL_R_2 (description="BOL_VDECXL_R_2 [eng, V]", quantity="none")
<i>LongId</i>	DM_CS2C_ERROR (description="DM_CS2C_ERROR [raw]", quantity="none")
<i>LongId</i>	DM_CHOP_MAX_DIT (description="DM_CHOP_MAX_DIT [raw]", quantity="none")
<i>LongId</i>	DM_TIME_2 (description="DM_TIME_2 [raw]", quantity="none")
<i>DoubleId</i>	BOL_HEATER_FPU (description="BOL_HEATER_FPU [eng, A]", quantity="none")
<i>StringId</i>	DM_SEQ_RUNNING (description="DM_SEQ_RUNNING", quantity="none")
<i>LongId</i>	DM_TIME_1 (description="DM_TIME_1 [raw]", quantity="none")
<i>DoubleId</i>	DM_SPU_PSU_P15V (description="DM_SPU_PSU_P15V [eng, V]", quantity="none")
<i>LongId</i>	DM_BR_ERROR (description="DM_BR_ERROR [raw]", quantity="none")
<i>DoubleId</i>	BOL_GND_BU_R_2 (description="BOL_GND_BU_R_2 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_GND_BU_R_1 (description="BOL_GND_BU_R_1 [eng, V]", quantity="none")
<i>StringId</i>	DP_EV_BOL_I_RO (description="DP_EV_BOL_I_RO", quantity="none")
<i>StringId</i>	DP_SPUS_HK (description="DP_SPUS_HK", quantity="none")
<i>DoubleId</i>	DM_CPU_LOAD (description="DM_CPU_LOAD [eng, %]", quantity="none")
<i>StringId</i>	DM_RPE_ERR_NS (description="DM_RPE_ERR_NS", quantity="none")
<i>LongId</i>	DP_STATUS (description="DP_STATUS [raw]", quantity="none")
<i>DoubleId</i>	BOL_HEATER_B_3 (description="BOL_HEATER_B_3 [eng, V]", quantity="none")
<i>LongId</i>	DM_CS1C_SPARE1 (description="DM_CS1C_SPARE1 [raw]", quantity="none")
<i>DoubleId</i>	BOL_HEATER_B_4 (description="BOL_HEATER_B_4 [eng, V]", quantity="none")
<i>LongId</i>	DM_CS1C_SPARE4 (description="DM_CS1C_SPARE4 [raw]", quantity="none")
<i>DoubleId</i>	BOL_HEATER_B_1 (description="BOL_HEATER_B_1 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_HEATER_B_2 (description="BOL_HEATER_B_2 [eng, V]", quantity="none")
<i>StringId</i>	DM_CS2C_LOOP (description="DM_CS2C_LOOP", quantity="none")
<i>StringId</i>	DM_DBR_ERR_NS (description="DM_DBR_ERR_NS", quantity="none")

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<i>StringId</i>	DM_DPUS_TASK_WR (description="DM_DPUS_TASK_WR", quantity="none")
<i>LongId</i>	DM_BBID (description="DM_BBID [raw]", quantity="none")
<i>LongId</i>	DM_DM_SF_IND (description="DM_DM_SF_IND [raw]", quantity="none")
<i>StringId</i>	DM_BR_LINK (description="DM_BR_LINK", quantity="none")
<i>StringId</i>	DM_SEQ_ERR_NS (description="DM_SEQ_ERR_NS", quantity="none")
<i>StringId</i>	DM_CS1C_UP (description="DM_CS1C_UP", quantity="none")
<i>StringId</i>	DM_FWPC_TASK_WR (description="DM_FWPC_TASK_WR", quantity="none")
<i>DoubleId</i>	BOL_VSMSL_B_2 (description="BOL_VSMSL_B_2 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VSMSL_B_1 (description="BOL_VSMSL_B_1 [eng, V]", quantity="none")
<i>StringId</i>	DM_GC_LL_MOVING (description="DM_GC_LL_MOVING", quantity="none")
<i>LongId</i>	DM_DPU_SEND_PAC (description="DM_DPU_SEND_PAC [raw]", quantity="none")
<i>DoubleId</i>	BOL_VDDPRO_CLB4 (description="BOL_VDDPRO_CLB4 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VDDPRO_CLB3 (description="BOL_VDDPRO_CLB3 [eng, V]", quantity="none")
<i>StringId</i>	DP_COUNTER_SPS (description="DP_COUNTER_SPS", quantity="none")
<i>StringId</i>	DP_BURST_MODE (description="DP_BURST_MODE", quantity="none")
<i>DoubleId</i>	BOL_VDDPRO_CLB2 (description="BOL_VDDPRO_CLB2 [eng, V]", quantity="none")
<i>LongId</i>	DP_DEC_LINK_DE (description="DP_DEC_LINK_DE [raw]", quantity="none")
<i>DoubleId</i>	BOL_VDDPRO_CLB1 (description="BOL_VDDPRO_CLB1 [eng, V]", quantity="none")
<i>StringId</i>	DM_GC_DEGRADE (description="DM_GC_DEGRADE", quantity="none")
<i>StringId</i>	DP_1355_LINK (description="DP_1355_LINK", quantity="none")
<i>DoubleId</i>	BOL_VINJ_B_1 (description="BOL_VINJ_B_1 [eng, V]", quantity="none")
<i>StringId</i>	DM_SW_ERR (description="DM_SW_ERR", quantity="none")
<i>LongId</i>	HD_SPARE_3 (description="HD_SPARE_3 [raw]", quantity="none")
<i>DoubleId</i>	BOL_VINJ_B_2 (description="BOL_VINJ_B_2 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VINJ_B_3 (description="BOL_VINJ_B_3 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VINJ_B_4 (description="BOL_VINJ_B_4 [eng, V]", quantity="none")
<i>StringId</i>	DP_COUNTER_SPL (description="DP_COUNTER_SPL", quantity="none")

<i>LongId</i>	HD_SPARE_2 (description="HD_SPARE_2 [raw]", quantity="none")
<i>LongId</i>	HD_SPARE_1 (description="HD_SPARE_1 [raw]", quantity="none")
<i>LongId</i>	SPS_SAMP_CORR (description="SPS_SAMP_CORR [raw]", quantity="none")
<i>LongId</i>	SPL_MAINT_RAMPS (description="SPL_MAINT_RAMPS [raw]", quantity="none")
<i>LongId</i>	DP_SPUL_LINK_DE (description="DP_SPUL_LINK_DE [raw]", quantity="none")
<i>StringId</i>	DP_EVENT_SPU (description="DP_EVENT_SPU", quantity="none")
<i>StringId</i>	DM_HKD_TASK_WR (description="DM_HKD_TASK_WR", quantity="none")
<i>DoubleId</i>	BOL_TEMP_B_2 (description="BOL_TEMP_B_2 [eng, degC]", quantity="none")
<i>StringId</i>	DM_BR_SENDING (description="DM_BR_SENDING", quantity="none")
<i>DoubleId</i>	BOL_TEMP_B_3 (description="BOL_TEMP_B_3 [eng, degC]", quantity="none")
<i>DoubleId</i>	BOL_VDD_B_1 (description="BOL_VDD_B_1 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_TEMP_B_1 (description="BOL_TEMP_B_1 [eng, degC]", quantity="none")
<i>DoubleId</i>	BOL_VDD_B_3 (description="BOL_VDD_B_3 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VDD_B_2 (description="BOL_VDD_B_2 [eng, V]", quantity="none")
<i>LongId</i>	DM_PLL_RES_HI (description="DM_PLL_RES_HI [raw]", quantity="none")
<i>LongId</i>	DM_FW_SPEC_CTRL (description="DM_FW_SPEC_CTRL [raw]", quantity="none")
<i>DoubleId</i>	BOL_VDD_B_4 (description="BOL_VDD_B_4 [eng, V]", quantity="none")
<i>LongId</i>	DM_SEQ_LOOP_ID3 (description="DM_SEQ_LOOP_ID3 [raw]", quantity="none")
<i>DoubleId</i>	BOL_CKRLB_B_2 (description="BOL_CKRLB_B_2 [eng, V]", quantity="none")
<i>LongId</i>	DM_SEQ_LOOP_ID2 (description="DM_SEQ_LOOP_ID2 [raw]", quantity="none")
<i>DoubleId</i>	BOL_CKRLB_B_3 (description="BOL_CKRLB_B_3 [eng, V]", quantity="none")
<i>LongId</i>	SPS_REAL (description="SPS_REAL [raw]", quantity="none")
<i>LongId</i>	DM_SEQ_LOOP_ID1 (description="DM_SEQ_LOOP_ID1 [raw]", quantity="none")
<i>DoubleId</i>	BOL_CKRLB_B_4 (description="BOL_CKRLB_B_4 [eng, V]", quantity="none")
<i>LongId</i>	DM_SEQ_LOOP_ID0 (description="DM_SEQ_LOOP_ID0 [raw]", quantity="none")

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<i>StringId</i>	DM_FWSC_POS_B (description="DM_FWSC_POS_B", quantity="none")
<i>StringId</i>	DM_FWSC_POS_A (description="DM_FWSC_POS_A", quantity="none")
<i>StringId</i>	DP_BLUE_SCIENCE (description="DP_BLUE_SCIENCE", quantity="none")
<i>LongId</i>	DM_R_SPEC_READ (description="DM_R_SPEC_READ [raw]", quantity="none")
<i>LongId</i>	SPS_VID (description="SPS_VID [raw]", quantity="none")
<i>LongId</i>	DM_SEQ_LOOP_ID4 (description="DM_SEQ_LOOP_ID4 [raw]", quantity="none")
<i>LongId</i>	DM_BC_SPARE4 (description="DM_BC_SPARE4 [raw]", quantity="none")
<i>LongId</i>	DM_HKCO_ERROR (description="DM_HKCO_ERROR [raw]", quantity="none")
<i>DoubleId</i>	BOL_VDECXL_B_2 (description="BOL_VDECXL_B_2 [eng, V]", quantity="none")
<i>StringId</i>	DM_DRR_SENDING (description="DM_DRR_SENDING", quantity="none")
<i>DoubleId</i>	BOL_VDECXL_B_3 (description="BOL_VDECXL_B_3 [eng, V]", quantity="none")
<i>LongId</i>	DM_DRR_SPARE2 (description="DM_DRR_SPARE2 [raw]", quantity="none")
<i>DoubleId</i>	BOL_VDECXL_B_1 (description="BOL_VDECXL_B_1 [eng, V]", quantity="none")
<i>DoubleId</i>	SPS_CPUWORKLOAD (description="SPS_CPUWORKLOAD [eng, %]", quantity="none")
<i>LongId</i>	SPL_REAL (description="SPL_REAL [raw]", quantity="none")
<i>StringId</i>	DP_WHICH_OBCP (description="DP_WHICH_OBCP", quantity="none")
<i>StringId</i>	DP_TEST_MODE (description="DP_TEST_MODE", quantity="none")
<i>LongId</i>	SPS_CI (description="SPS_CI [raw]", quantity="none")
<i>DoubleId</i>	BOL_VDECXL_B_4 (description="BOL_VDECXL_B_4 [eng, V]", quantity="none")
<i>LongId</i>	DP_SW_VERS_ID (description="DP_SW_VERS_ID [raw]", quantity="none")
<i>LongId</i>	DM_CHOP_TARGET (description="DM_CHOP_TARGET [raw]", quantity="none")
<i>StringId</i>	DM_FWPC_ERR_NS (description="DM_FWPC_ERR_NS", quantity="none")
<i>LongId</i>	DM_CUSTOM_ENT10 (description="DM_CUSTOM_ENT10 [raw]", quantity="none")
<i>StringId</i>	DM_GC_LS (description="DM_GC_LS", quantity="none")
<i>DoubleId</i>	BOL_TEMP_SP (description="BOL_TEMP_SP [eng, K]", quantity="none")
<i>DoubleId</i>	BOL_VINJ_R_2 (description="BOL_VINJ_R_2 [eng, V]", quantity="none")

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<i>LongId</i>	HD_PUS_VERSION (description="HD_PUS_VERSION [raw]", quantity="none")
<i>DoubleId</i>	DM_CS2_OUTPUT (description="DM_CS2_OUTPUT [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VINJ_R_1 (description="BOL_VINJ_R_1 [eng, V]", quantity="none")
<i>LongId</i>	HD_PACKET_TYPE (description="HD_PACKET_TYPE [raw]", quantity="none")
<i>DoubleId</i>	BOL_HEATER_R_1 (description="BOL_HEATER_R_1 [eng, V]", quantity="none")
<i>DoubleId</i>	DM_CS1_OUTPUT (description="DM_CS1_OUTPUT [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_HEATER_R_2 (description="BOL_HEATER_R_2 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_PWR_ANA_N_6 (description="BOL_PWR_ANA_N_6 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_PWR_ANA_N_7 (description="BOL_PWR_ANA_N_7 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_PWR_ANA_N_4 (description="BOL_PWR_ANA_N_4 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VL_B_1 (description="BOL_VL_B_1 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_PWR_ANA_N_5 (description="BOL_PWR_ANA_N_5 [eng, V]", quantity="none")
<i>StringId</i>	DM_CS2C_UP (description="DM_CS2C_UP", quantity="none")
<i>DoubleId</i>	BOL_PWR_ANA_N_2 (description="BOL_PWR_ANA_N_2 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VL_B_3 (description="BOL_VL_B_3 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VL_B_2 (description="BOL_VL_B_2 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_PWR_ANA_N_3 (description="BOL_PWR_ANA_N_3 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_PWR_ANA_N_1 (description="BOL_PWR_ANA_N_1 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VL_B_4 (description="BOL_VL_B_4 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VRL_B_4 (description="BOL_VRL_B_4 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_VRL_B_3 (description="BOL_VRL_B_3 [eng, V]", quantity="none")
<i>StringId</i>	DM_FWSC_SEARCHB (description="DM_FWSC_SEARCHB", quantity="none")
<i>LongId</i>	DM_DPU_REC_STAT (description="DM_DPU_REC_STAT [raw]", quantity="none")
<i>DoubleId</i>	BOL_VRL_B_2 (description="BOL_VRL_B_2 [eng, V]", quantity="none")

<i>StringId</i>	DM_FWSC_SEARCHA (description="DM_FWSC_SEARCHA", quantity="none")
<i>LongId</i>	DM_VID (description="DM_VID [raw]", quantity="none")
<i>DoubleId</i>	BOL_VRL_B_1 (description="BOL_VRL_B_1 [eng, V]", quantity="none")
<i>DoubleId</i>	BOL_TEMP_SP_SWT (description="BOL_TEMP_SP_SWT [eng, K]", quantity="none")
<i>StringId</i>	DP_HK_MONITOR (description="DP_HK_MONITOR", quantity="none")
<i>StringId</i>	DM_CS1C_LOOP (description="DM_CS1C_LOOP", quantity="none")
<i>DoubleId</i>	BOL_TEMP_TS (description="BOL_TEMP_TS [eng, K]", quantity="none")
<i>LongId</i>	DM_SW_SPARE5 (description="DM_SW_SPARE5 [raw]", quantity="none")
<i>DoubleId</i>	DM_CHOPPER_TEMP (description="DM_CHOPPER_TEMP [eng, K]", quantity="none")
<i>StringId</i>	DM_RPE_TASK_WR (description="DM_RPE_TASK_WR", quantity="none")
<i>StringId</i>	DP_EVENT_DPU (description="DP_EVENT_DPU", quantity="none")
<i>LongId</i>	DM_DRR_ERROR (description="DM_DRR_ERROR [raw]", quantity="none")
<i>LongId</i>	SPL_RCX (description="SPL_RCX [raw]", quantity="none")
<i>StringId</i>	DM_DSIM_TASK_WR (description="DM_DSIM_TASK_WR", quantity="none")
<i>LongId</i>	DM_BLUE_ENC_PAC (description="DM_BLUE_ENC_PAC [raw]", quantity="none")

3.1.7. HPGENHKS

<i>product</i> (type="HPGENHK", description="HPGENHKS")	
<i>Metadata</i>	
StringParameter	type (description="null")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="PACS Level 0 Product")
StringParameter	modelName (description="Model")
DateParameter	startDate (description="Start Date")
DateParameter	endDate (description="End Date")
StringParameter	fileName (description="null")
StringParameter	missionConfiguration (description="Mission Configuration")
StringParameter	formatVersion (description="Format Version of the Products")
LongParameter	obsid (description="Observation ID")

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LongParameter	obsType (description="null")
LongParameter	obsCount (description="OBSID")
table dataset	(description="Generated from PacketSequence \$Revision: 1.58 \$")
Metadata	
StringParameter	revision (description="PacketSequence Revision from which this data was generated.")
LongId	Time (description="Time [microseconds]", quantity="microsecond [1.0E-6 s]")
LongId	DP_1_8_REJECTED (description="DP_1_8_REJECTED [raw]", quantity="none")
LongId	SPL_PIX (description="SPL_PIX [raw]", quantity="none")
LongId	SPL_VID (description="SPL_VID [raw]", quantity="none")
DoubleId	DM_SPU_SWL_TEMP (description="DM_SPU_SWL_TEMP [eng, K]", quantity="none")
LongId	DP_SPUL_LINK_PE (description="DP_SPUL_LINK_PE [raw]", quantity="none")
StringId	DP_SPS_LINK (description="DP_SPS_LINK", quantity="none")
StringId	DM_FPU_S2_TS_ST (description="DM_FPU_S2_TS_ST", quantity="none")
LongId	DM_HK_CTRL_STAT (description="DM_HK_CTRL_STAT [raw]", quantity="none")
LongId	DM_DBR_SPARE2 (description="DM_DBR_SPARE2 [raw]", quantity="none")
StringId	DP_DMC_CMD (description="DP_DMC_CMD", quantity="none")
StringId	DM_FPU_CH_TS_ST (description="DM_FPU_CH_TS_ST", quantity="none")
DoubleId	DM_SPU_VCC_CUR (description="DM_SPU_VCC_CUR [eng, A]", quantity="none")
LongId	DM_DECR_CTRL_PA (description="DM_DECR_CTRL_PA [raw]", quantity="none")
DoubleId	DM_FW_PHOT_TEMP (description="DM_FW_PHOT_TEMP [eng, K]", quantity="none")
StringId	DP_OBCP_MANAGER (description="DP_OBCP_MANAGER", quantity="none")
LongId	DM_PM_SF_IND (description="DM_PM_SF_IND [raw]", quantity="none")
StringId	DM_HKCO_TASK_AL (description="DM_HKCO_TASK_AL", quantity="none")
StringId	DP_IRQ3_TASK (description="DP_IRQ3_TASK", quantity="none")
LongId	DM_HKCO_SPARE5 (description="DM_HKCO_SPARE5 [raw]", quantity="none")
DoubleId	BOL_I_HEATER_1R (description="BOL_I_HEATER_1R [eng, A]", quantity="none")
DoubleId	BOL_TEMP_PSU_1 (description="BOL_TEMP_PSU_1 [eng, degC]", quantity="none")
StringId	SPS_DMC_LINK (description="SPS_DMC_LINK", quantity="none")

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<i>DoubleId</i>	BOL_TEMP_PSU_2 (description="BOL_TEMP_PSU_2 [eng, degC]", quantity="none")
<i>StringId</i>	DM_BPE_LINK (description="DM_BPE_LINK", quantity="none")
<i>StringId</i>	DP_RED_SCIENCE (description="DP_RED_SCIENCE", quantity="none")
<i>StringId</i>	DM_DRR_TASK_WR (description="DM_DRR_TASK_WR", quantity="none")
<i>LongId</i>	DM_DPUR_SPARE4 (description="DM_DPUR_SPARE4 [raw]", quantity="none")
<i>StringId</i>	DM_FPU_FWS_TS_S (description="DM_FPU_FWS_TS_S", quantity="none")
<i>DoubleId</i>	BOL_HEAT_EV_SWT (description="BOL_HEAT_EV_SWT [eng, A]", quantity="none")
<i>LongId</i>	DP_COM_SPL_NACK (description="DP_COM_SPL_NACK [raw]", quantity="none")
<i>StringId</i>	DM_SEQ_IDLE (description="DM_SEQ_IDLE", quantity="none")
<i>LongId</i>	SID (description="SID [raw]", quantity="none")
<i>StringId</i>	DM_DRC_TASK_AL (description="DM_DRC_TASK_AL", quantity="none")
<i>LongId</i>	HD_VERSION_NUMB (description="HD_VERSION_NUMB [raw]", quantity="none")
<i>StringId</i>	DM_HKD_ERR_NS (description="DM_HKD_ERR_NS", quantity="none")
<i>LongId</i>	DM_DPU_SEN_STAT (description="DM_DPU_SEN_STAT [raw]", quantity="none")
<i>LongId</i>	DM_BOL_CTRL_STA (description="DM_BOL_CTRL_STA [raw]", quantity="none")
<i>DoubleId</i>	SPL_CPUWORKLOAD (description="SPL_CPUWORKLOAD [eng, %]", quantity="none")
<i>DoubleId</i>	BOL_TEMP_R_1 (description="BOL_TEMP_R_1 [eng, degC]", quantity="none")
<i>DoubleId</i>	BOL_TEMP_R_2 (description="BOL_TEMP_R_2 [eng, degC]", quantity="none")
<i>DoubleId</i>	BOL_TEMP_R_3 (description="BOL_TEMP_R_3 [eng, degC]", quantity="none")
<i>DoubleId</i>	BOL_TEMP_R_4 (description="BOL_TEMP_R_4 [eng, degC]", quantity="none")
<i>DoubleId</i>	BOL_I_HEATER_2R (description="BOL_I_HEATER_2R [eng, A]", quantity="none")
<i>DoubleId</i>	BOL_TEMP_R_5 (description="BOL_TEMP_R_5 [eng, degC]", quantity="none")
<i>StringId</i>	DP_DMC_HK (description="DP_DMC_HK", quantity="none")
<i>LongId</i>	DP_GEN_TM_LOST (description="DP_GEN_TM_LOST [raw]", quantity="none")
<i>LongId</i>	DM_LAST_ERR_ID (description="DM_LAST_ERR_ID [raw]", quantity="none")
<i>StringId</i>	DP_SPUS_LINK (description="DP_SPUS_LINK", quantity="none")

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<i>LongId</i>	DM_SW_GLOBAL_ST (description="DM_SW_GLOBAL_ST [raw]", quantity="none")
<i>LongId</i>	DM_BOL_REC_PAC (description="DM_BOL_REC_PAC [raw]", quantity="none")
<i>StringId</i>	DM_SW_COPY_OBS (description="DM_SW_COPY_OBS", quantity="none")
<i>StringId</i>	DP_HK_CHK (description="DP_HK_CHK", quantity="none")
<i>LongId</i>	DM_LAST_ER_BF16 (description="DM_LAST_ER_BF16 [raw]", quantity="none")
<i>StringId</i>	DM_DRC_ERR_NS (description="DM_DRC_ERR_NS", quantity="none")
<i>LongId</i>	DM_LAST_ER_BF10 (description="DM_LAST_ER_BF10 [raw]", quantity="none")
<i>LongId</i>	DM_RPE_SPARE4 (description="DM_RPE_SPARE4 [raw]", quantity="none")
<i>LongId</i>	DM_LAST_ER_BF11 (description="DM_LAST_ER_BF11 [raw]", quantity="none")
<i>DoubleId</i>	DM_REF_VOLT_5V (description="DM_REF_VOLT_5V [eng, V]", quantity="none")
<i>LongId</i>	SPS_PIX (description="SPS_PIX [raw]", quantity="none")
<i>LongId</i>	DM_DRC_ERROR (description="DM_DRC_ERROR [raw]", quantity="none")
<i>LongId</i>	DM_LAST_ER_BF14 (description="DM_LAST_ER_BF14 [raw]", quantity="none")
<i>DoubleId</i>	DP_WORK_LOAD (description="DP_WORK_LOAD [eng, %]", quantity="none")
<i>LongId</i>	DM_LAST_ER_BF15 (description="DM_LAST_ER_BF15 [raw]", quantity="none")
<i>LongId</i>	DM_LAST_ER_BF12 (description="DM_LAST_ER_BF12 [raw]", quantity="none")
<i>StringId</i>	DP_DEC_LINK (description="DP_DEC_LINK", quantity="none")
<i>LongId</i>	DM_LAST_ER_BF13 (description="DM_LAST_ER_BF13 [raw]", quantity="none")
<i>LongId</i>	DP_COM_DMC_PACK (description="DP_COM_DMC_PACK [raw]", quantity="none")
<i>StringId</i>	DM_DPUR_TASK_WR (description="DM_DPUR_TASK_WR", quantity="none")
<i>StringId</i>	DP_EEPROM_PROT (description="DP_EEPROM_PROT", quantity="none")
<i>LongId</i>	DP_COM_SPS_PACK (description="DP_COM_SPS_PACK [raw]", quantity="none")
<i>DoubleId</i>	DP_VOL_5P (description="DP_VOL_5P [eng, V]", quantity="none")
<i>LongId</i>	DM_LAST_ER_BF3 (description="DM_LAST_ER_BF3 [raw]", quantity="none")
<i>LongId</i>	DM_LAST_ER_BF4 (description="DM_LAST_ER_BF4 [raw]", quantity="none")
<i>LongId</i>	DM_LAST_ER_BF5 (description="DM_LAST_ER_BF5 [raw]", quantity="none")

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<i>LongId</i>	DM_LAST_ER_BF6 (description="DM_LAST_ER_BF6 [raw]", quantity="none")
<i>LongId</i>	DM_LAST_ER_BF7 (description="DM_LAST_ER_BF7 [raw]", quantity="none")
<i>StringId</i>	DM_DPUS_LINK (description="DM_DPUS_LINK", quantity="none")
<i>LongId</i>	DM_LAST_ER_BF8 (description="DM_LAST_ER_BF8 [raw]", quantity="none")
<i>DoubleId</i>	DP_VOL_25P (description="DP_VOL_25P [eng, V]", quantity="none")
<i>LongId</i>	DM_LAST_ER_BF9 (description="DM_LAST_ER_BF9 [raw]", quantity="none")
<i>LongId</i>	DP_COM_DMC_NACK (description="DP_COM_DMC_NACK [raw]", quantity="none")
<i>StringId</i>	DM_SEQ_TASK_AL (description="DM_SEQ_TASK_AL", quantity="none")
<i>LongId</i>	DM_FPU_T_SEN_ST (description="DM_FPU_T_SEN_ST [raw]", quantity="none")
<i>LongId</i>	DM_BOL_STATUS (description="DM_BOL_STATUS [raw]", quantity="none")
<i>StringId</i>	DM_BR_SIM_TIME (description="DM_BR_SIM_TIME", quantity="none")
<i>LongId</i>	DM_LAST_ER_BF2 (description="DM_LAST_ER_BF2 [raw]", quantity="none")
<i>DoubleId</i>	BOL_PWR_DIG_7 (description="BOL_PWR_DIG_7 [eng, V]", quantity="none")
<i>LongId</i>	DM_LAST_ER_BF1 (description="DM_LAST_ER_BF1 [raw]", quantity="none")
<i>StringId</i>	DM_FPU_FWP_TS_S (description="DM_FPU_FWP_TS_S", quantity="none")
<i>LongId</i>	DP_1_2_REJECTED (description="DP_1_2_REJECTED [raw]", quantity="none")
<i>StringId</i>	DP_INIT (description="DP_INIT", quantity="none")
<i>LongId</i>	DM_BLUE_PAC_ENC (description="DM_BLUE_PAC_ENC [raw]", quantity="none")
<i>StringId</i>	DP_BUFFER_STAT (description="DP_BUFFER_STAT", quantity="none")
<i>StringId</i>	DP_COUNTER_SPEC (description="DP_COUNTER_SPEC", quantity="none")
<i>StringId</i>	DM_DBC_TASK_AL (description="DM_DBC_TASK_AL", quantity="none")
<i>LongId</i>	DM_BOL_READ_CNT (description="DM_BOL_READ_CNT [raw]", quantity="none")
<i>LongId</i>	DM_HK_DIAG_PERI (description="DM_HK_DIAG_PERI [raw]", quantity="none")
<i>LongId</i>	DM_DECB_REC_PAC (description="DM_DECB_REC_PAC [raw]", quantity="none")

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<i>LongId</i>	SPL_MEM_CNTS (description="SPL_MEM_CNTS [raw]", quantity="none")
<i>LongId</i>	DM_DBR_ERROR (description="DM_DBR_ERROR [raw]", quantity="none")
<i>LongId</i>	DP_HK_LOST (description="DP_HK_LOST [raw]", quantity="none")
<i>StringId</i>	DP_CONTROLLER (description="DP_CONTROLLER", quantity="none")
<i>StringId</i>	DP_EV_BOL_I_HEA (description="DP_EV_BOL_I_HEA", quantity="none")
<i>StringId</i>	DP_STABLE_SPL (description="DP_STABLE_SPL", quantity="none")
<i>StringId</i>	DP_EV_BOL_BIAS (description="DP_EV_BOL_BIAS", quantity="none")
<i>DoubleId</i>	DM_SPU_LWL_TEMP (description="DM_SPU_LWL_TEMP [eng, K]", quantity="none")
<i>StringId</i>	DM_HKD_TASK_AL (description="DM_HKD_TASK_AL", quantity="none")
<i>StringId</i>	DM_BPE_TASK_AL (description="DM_BPE_TASK_AL", quantity="none")
<i>LongId</i>	DP_EVENT_LOST (description="DP_EVENT_LOST [raw]", quantity="none")
<i>StringId</i>	DM_SW_ALIVE (description="DM_SW_ALIVE", quantity="none")
<i>DoubleId</i>	DM_SPU_VP_CUR (description="DM_SPU_VP_CUR [eng, mA]", quantity="none")
<i>LongId</i>	DP_COM_REC_DPU (description="DP_COM_REC_DPU [raw]", quantity="none")
<i>StringId</i>	DM_DPUS_ERR_NS (description="DM_DPUS_ERR_NS", quantity="none")
<i>StringId</i>	DM_DBR_LINK (description="DM_DBR_LINK", quantity="none")
<i>LongId</i>	DP_SW_SUBVERS_ID (description="DP_SW_SUBVERS_ID [raw]", quantity="none")
<i>LongId</i>	DP_SPUS_LINK_PE (description="DP_SPUS_LINK_PE [raw]", quantity="none")
<i>StringId</i>	DP_STABLE_SPS (description="DP_STABLE_SPS", quantity="none")
<i>LongId</i>	DM_DRC_SPARE3 (description="DM_DRC_SPARE3 [raw]", quantity="none")
<i>StringId</i>	DM_DBC_TASK_WR (description="DM_DBC_TASK_WR", quantity="none")
<i>StringId</i>	DM_DPUR_TASK_AL (description="DM_DPUR_TASK_AL", quantity="none")
<i>StringId</i>	DM_BC_TASK_WR (description="DM_BC_TASK_WR", quantity="none")
<i>StringId</i>	DP_SPL_LINK (description="DP_SPL_LINK", quantity="none")
<i>StringId</i>	DP_UNIT (description="DP_UNIT", quantity="none")
<i>LongId</i>	DM_DECR_REC_STA (description="DM_DECR_REC_STA [raw]", quantity="none")

<i>StringId</i>	DM_DBR_TASK_AL (description="DM_DBR_TASK_AL", quantity="none")
<i>LongId</i>	DM_SEQ_ERROR (description="DM_SEQ_ERROR [raw]", quantity="none")
<i>DoubleId</i>	DM_CAL_SRC_TEMP (description="DM_CAL_SRC_TEMP [eng, K]", quantity="none")
<i>StringId</i>	DM_DBC_ERR_NS (description="DM_DBC_ERR_NS", quantity="none")
<i>StringId</i>	DM_DBR_SIM_TIME (description="DM_DBR_SIM_TIME", quantity="none")
<i>StringId</i>	DM_DRC_POWER (description="DM_DRC_POWER", quantity="none")
<i>StringId</i>	DM_SEQ_TASK_WR (description="DM_SEQ_TASK_WR", quantity="none")
<i>LongId</i>	DP_COM_SPL_PACK (description="DP_COM_SPL_PACK [raw]", quantity="none")
<i>LongId</i>	DM_DBC_ERROR (description="DM_DBC_ERROR [raw]", quantity="none")
<i>StringId</i>	DM_HKCO_ERR_NS (description="DM_HKCO_ERR_NS", quantity="none")
<i>DoubleId</i>	DM_DSP_TEMP (description="DM_DSP_TEMP [eng, K]", quantity="none")
<i>StringId</i>	DM_FWSP_CUR_POS (description="DM_FWSP_CUR_POS", quantity="none")
<i>LongId</i>	HD_LENGTH (description="HD_LENGTH [raw]", quantity="none")
<i>DoubleId</i>	BOL_TEMP_EV_SWT (description="BOL_TEMP_EV_SWT [eng, K]", quantity="none")
<i>DoubleId</i>	DM_SPU_PS_TEMP (description="DM_SPU_PS_TEMP [eng, K]", quantity="none")
<i>DoubleId</i>	BOL_HEAT_SP_SWT (description="BOL_HEAT_SP_SWT [eng, A]", quantity="none")
<i>StringId</i>	DM_DPUR_ERR_NS (description="DM_DPUR_ERR_NS", quantity="none")
<i>LongId</i>	DM_HKD_ERROR (description="DM_HKD_ERROR [raw]", quantity="none")
<i>LongId</i>	DM_BR_SPARE2 (description="DM_BR_SPARE2 [raw]", quantity="none")
<i>LongId</i>	DM_BOL_CTRL_PAC (description="DM_BOL_CTRL_PAC [raw]", quantity="none")
<i>StringId</i>	DP_SPUS_CMD (description="DP_SPUS_CMD", quantity="none")
<i>LongId</i>	SPS_MEM_CNTS (description="SPS_MEM_CNTS [raw]", quantity="none")
<i>StringId</i>	DP_1553_HANDLER (description="DP_1553_HANDLER", quantity="none")
<i>DoubleId</i>	DM_SPU_VCC_VOL (description="DM_SPU_VCC_VOL [eng, V]", quantity="none")
<i>StringId</i>	SPL_DMC_LINK (description="SPL_DMC_LINK", quantity="none")

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<i>LongId</i>	DM_DPUS_SPARE4 (description="DM_DPUS_SPARE4 [raw]", quantity="none")
<i>LongId</i>	FIRST32BIT_TIME (description="FIRST32BIT_TIME [raw]", quantity="none")
<i>DoubleId</i>	DM_GRATING_TEMP (description="DM_GRATING_TEMP [eng, K]", quantity="none")
<i>StringId</i>	DM_RPE_TASK_AL (description="DM_RPE_TASK_AL", quantity="none")
<i>LongId</i>	DM_CUSTOM_ENT_2 (description="DM_CUSTOM_ENT_2 [raw]", quantity="none")
<i>LongId</i>	DM_CUSTOM_ENT_3 (description="DM_CUSTOM_ENT_3 [raw]", quantity="none")
<i>LongId</i>	DM_RPE_ERROR (description="DM_RPE_ERROR [raw]", quantity="none")
<i>StringId</i>	DP_TM_RATE (description="DP_TM_RATE", quantity="none")
<i>LongId</i>	HD_SEG_FLAG (description="HD_SEG_FLAG [raw]", quantity="none")
<i>StringId</i>	DP_SPUL_HK (description="DP_SPUL_HK", quantity="none")
<i>DoubleId</i>	BOL_PWR_ANA_P_7 (description="BOL_PWR_ANA_P_7 [eng, V]", quantity="none")
<i>LongId</i>	DM_CUSTOM_ENT_1 (description="DM_CUSTOM_ENT_1 [raw]", quantity="none")
<i>StringId</i>	DM_BR_TASK_WR (description="DM_BR_TASK_WR", quantity="none")
<i>StringId</i>	DM_DRR_SIM_TIME (description="DM_DRR_SIM_TIME", quantity="none")
<i>LongId</i>	DM_CUSTOM_ENT_6 (description="DM_CUSTOM_ENT_6 [raw]", quantity="none")
<i>LongId</i>	DM_CUSTOM_ENT_7 (description="DM_CUSTOM_ENT_7 [raw]", quantity="none")
<i>LongId</i>	DM_CUSTOM_ENT_4 (description="DM_CUSTOM_ENT_4 [raw]", quantity="none")
<i>LongId</i>	DM_CUSTOM_ENT_5 (description="DM_CUSTOM_ENT_5 [raw]", quantity="none")
<i>StringId</i>	DM_DPUR_LINK (description="DM_DPUR_LINK", quantity="none")
<i>LongId</i>	DM_CUSTOM_ENT_8 (description="DM_CUSTOM_ENT_8 [raw]", quantity="none")
<i>LongId</i>	DM_OBSID (description="DM_OBSID [raw]", quantity="none")
<i>LongId</i>	DM_CUSTOM_ENT_9 (description="DM_CUSTOM_ENT_9 [raw]", quantity="none")
<i>StringId</i>	DP_EV_BOL_T_FPU (description="DP_EV_BOL_T_FPU", quantity="none")
<i>LongId</i>	DM_RED_ENC_PAC (description="DM_RED_ENC_PAC [raw]", quantity="none")
<i>StringId</i>	DP_OBCP_RUN (description="DP_OBCP_RUN", quantity="none")
<i>LongId</i>	DM_DECB_CTRL_PA (description="DM_DECB_CTRL_PA [raw]", quantity="none")

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<i>LongId</i>	HD_DATA_FLAG (description="HD_DATA_FLAG [raw]", quantity="none")
<i>LongId</i>	DP_DEC_LINK_PE (description="DP_DEC_LINK_PE [raw]", quantity="none")
<i>StringId</i>	DP_DMC_LINK (description="DP_DMC_LINK", quantity="none")
<i>StringId</i>	SPL_DMC_ERROR (description="SPL_DMC_ERROR", quantity="none")
<i>StringId</i>	DM_RPE_LINK (description="DM_RPE_LINK", quantity="none")
<i>StringId</i>	DP_EV_BOL_V_PWR (description="DP_EV_BOL_V_PWR", quantity="none")
<i>LongId</i>	DM_SW_ERROR (description="DM_SW_ERROR [raw]", quantity="none")
<i>StringId</i>	DP_SPUL_CMD (description="DP_SPUL_CMD", quantity="none")
<i>LongId</i>	DP_SPUS_LINK_DE (description="DP_SPUS_LINK_DE [raw]", quantity="none")
<i>LongId</i>	DM_DECB_CTRL_ST (description="DM_DECB_CTRL_ST [raw]", quantity="none")
<i>DoubleId</i>	DP_T (description="DP_T [eng, degC]", quantity="none")
<i>StringId</i>	DM_FPU_GR_TS_ST (description="DM_FPU_GR_TS_ST", quantity="none")
<i>DoubleId</i>	DM_PSC_V4 (description="DM_PSC_V4 [eng, A]", quantity="none")
<i>DoubleId</i>	DM_PSC_V3 (description="DM_PSC_V3 [eng, mA]", quantity="none")
<i>DoubleId</i>	DM_PSC_V2 (description="DM_PSC_V2 [eng, mA]", quantity="none")
<i>DoubleId</i>	DM_PSC_V1 (description="DM_PSC_V1 [eng, A]", quantity="none")
<i>LongId</i>	DM_DECR_REC_PAC (description="DM_DECR_REC_PAC [raw]", quantity="none")
<i>StringId</i>	DP_STABLE_DEC (description="DP_STABLE_DEC", quantity="none")
<i>StringId</i>	SPS_DMC_ERROR (description="SPS_DMC_ERROR", quantity="none")
<i>StringId</i>	DM_BPE_TASK_WR (description="DM_BPE_TASK_WR", quantity="none")
<i>LongId</i>	HD_PCKT_SUBTYPE (description="HD_PCKT_SUBTYPE [raw]", quantity="none")
<i>LongId</i>	DM_GRAT_CUR_POS (description="DM_GRAT_CUR_POS [raw]", quantity="none")
<i>StringId</i>	DP_SPUL_LINK (description="DP_SPUL_LINK", quantity="none")
<i>StringId</i>	DM_BC_LINK (description="DM_BC_LINK", quantity="none")
<i>LongId</i>	DM_HK_DIAG_STAT (description="DM_HK_DIAG_STAT [raw]", quantity="none")
<i>StringId</i>	DP_1355_HANDLER (description="DP_1355_HANDLER", quantity="none")
<i>StringId</i>	DM_FPU_CS_TS_ST (description="DM_FPU_CS_TS_ST", quantity="none")

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<i>LongId</i>	DM_DM_DF_IND (description="DM_DM_DF_IND [raw]", quantity="none")
<i>StringId</i>	DP_EV_BOL_I_SP2 (description="DP_EV_BOL_I_SP2", quantity="none")
<i>StringId</i>	DP_EV_BOL_I_SP1 (description="DP_EV_BOL_I_SP1", quantity="none")
<i>LongId</i>	DM_DPU_REC_PAC (description="DM_DPU_REC_PAC [raw]", quantity="none")
<i>StringId</i>	DP_COUNTER_PHOT (description="DP_COUNTER_PHOT", quantity="none")
<i>DoubleId</i>	BOL_TEMP_FPU1 (description="BOL_TEMP_FPU1 [eng, K]", quantity="none")
<i>DoubleId</i>	BOL_TEMP_FPU2 (description="BOL_TEMP_FPU2 [eng, K]", quantity="none")
<i>DoubleId</i>	BOL_TEMP_DAQ (description="BOL_TEMP_DAQ [eng, degC]", quantity="none")
<i>LongId</i>	DM_SEQ_STATUS (description="DM_SEQ_STATUS [raw]", quantity="none")
<i>LongId</i>	DM_BPE_SPARE4 (description="DM_BPE_SPARE4 [raw]", quantity="none")
<i>LongId</i>	DM_BC_ERROR (description="DM_BC_ERROR [raw]", quantity="none")
<i>StringId</i>	DM_DRC_LINK (description="DM_DRC_LINK", quantity="none")
<i>StringId</i>	DM_DBR_TASK_WR (description="DM_DBR_TASK_WR", quantity="none")
<i>DoubleId</i>	DM_FPU_T1_TEMP (description="DM_FPU_T1_TEMP [eng, K]", quantity="none")
<i>StringId</i>	DM_DRR_ERR_NS (description="DM_DRR_ERR_NS", quantity="none")
<i>StringId</i>	DM_BR_TASK_AL (description="DM_BR_TASK_AL", quantity="none")
<i>StringId</i>	DM_FPU_S1_TS_ST (description="DM_FPU_S1_TS_ST", quantity="none")
<i>LongId</i>	DM_TIME_2 (description="DM_TIME_2 [raw]", quantity="none")
<i>StringId</i>	DM_BC_TASK_AL (description="DM_BC_TASK_AL", quantity="none")
<i>DoubleId</i>	BOL_HEATER_FPU (description="BOL_HEATER_FPU [eng, A]", quantity="none")
<i>StringId</i>	DM_SEQ_RUNNING (description="DM_SEQ_RUNNING", quantity="none")
<i>LongId</i>	DM_TIME_1 (description="DM_TIME_1 [raw]", quantity="none")
<i>LongId</i>	DP_COM_SPS_NACK (description="DP_COM_SPS_NACK [raw]", quantity="none")
<i>StringId</i>	DM_BC_ERR_NS (description="DM_BC_ERR_NS", quantity="none")
<i>StringId</i>	DM_DBC_POWER (description="DM_DBC_POWER", quantity="none")

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<i>DoubleId</i>	DM_SPU_PSU_P15V (description="DM_SPU_PSU_P15V [eng, V]", quantity="none")
<i>LongId</i>	DM_RED_PAC_ENC (description="DM_RED_PAC_ENC [raw]", quantity="none")
<i>LongId</i>	DM_BR_ERROR (description="DM_BR_ERROR [raw]", quantity="none")
<i>StringId</i>	DP_SPUS_HK (description="DP_SPUS_HK", quantity="none")
<i>StringId</i>	DP_EV_BOL_I_RO (description="DP_EV_BOL_I_RO", quantity="none")
<i>LongId</i>	DM_DBC_SPARE3 (description="DM_DBC_SPARE3 [raw]", quantity="none")
<i>DoubleId</i>	DM_CPU_LOAD (description="DM_CPU_LOAD [eng, %]", quantity="none")
<i>DoubleId</i>	DM_FPU_T2_TEMP (description="DM_FPU_T2_TEMP [eng, K]", quantity="none")
<i>LongId</i>	HD_SOURCE_TYPE (description="HD_SOURCE_TYPE [raw]", quantity="none")
<i>StringId</i>	DP_EV_DEC_SPC (description="DP_EV_DEC_SPC", quantity="none")
<i>StringId</i>	DP_EVENT_DEC (description="DP_EVENT_DEC", quantity="none")
<i>StringId</i>	DM_RPE_ERR_NS (description="DM_RPE_ERR_NS", quantity="none")
<i>LongId</i>	DP_STATUS (description="DP_STATUS [raw]", quantity="none")
<i>LongId</i>	DP_COM_DMC (description="DP_COM_DMC [raw]", quantity="none")
<i>StringId</i>	DM_DBR_ERR_NS (description="DM_DBR_ERR_NS", quantity="none")
<i>StringId</i>	DM_DPUS_TASK_WR (description="DM_DPUS_TASK_WR", quantity="none")
<i>LongId</i>	DM_BBID (description="DM_BBID [raw]", quantity="none")
<i>StringId</i>	DP_EV_BOL_T_WE (description="DP_EV_BOL_T_WE", quantity="none")
<i>LongId</i>	DM_DM_SF_IND (description="DM_DM_SF_IND [raw]", quantity="none")
<i>StringId</i>	DM_BR_LINK (description="DM_BR_LINK", quantity="none")
<i>StringId</i>	DM_SEQ_ERR_NS (description="DM_SEQ_ERR_NS", quantity="none")
<i>DoubleId</i>	DM_DCDC_TEMP (description="DM_DCDC_TEMP [eng, K]", quantity="none")
<i>StringId</i>	DM_HKD_DIAGMODE (description="DM_HKD_DIAGMODE", quantity="none")
<i>LongId</i>	DM_DPU_SEND_PAC (description="DM_DPU_SEND_PAC [raw]", quantity="none")
<i>StringId</i>	DM_DRR_LINK (description="DM_DRR_LINK", quantity="none")
<i>StringId</i>	DP_AF_24_SPARE (description="DP_AF_24_SPARE", quantity="none")

<i>StringId</i>	DP_BURST_MODE (description="DP_BURST_MODE", quantity="none")
<i>StringId</i>	DP_COUNTER_SPS (description="DP_COUNTER_SPS", quantity="none")
<i>LongId</i>	DP_DEC_LINK_DE (description="DP_DEC_LINK_DE [raw]", quantity="none")
<i>StringId</i>	DP_1355_LINK (description="DP_1355_LINK", quantity="none")
<i>StringId</i>	DP_1553CHANNEL (description="DP_1553CHANNEL", quantity="none")
<i>DoubleId</i>	DM_FW_SPEC_TEMP (description="DM_FW_SPEC_TEMP [eng, K]", quantity="none")
<i>StringId</i>	DM_SW_ERR (description="DM_SW_ERR", quantity="none")
<i>LongId</i>	HD_SPARE_3 (description="HD_SPARE_3 [raw]", quantity="none")
<i>StringId</i>	DM_DBR_SENDING (description="DM_DBR_SENDING", quantity="none")
<i>StringId</i>	DP_COUNTER_SPL (description="DP_COUNTER_SPL", quantity="none")
<i>StringId</i>	DM_DRR_TASK_AL (description="DM_DRR_TASK_AL", quantity="none")
<i>LongId</i>	DM_SEQ_SPARE1 (description="DM_SEQ_SPARE1 [raw]", quantity="none")
<i>LongId</i>	HD_SPARE_2 (description="HD_SPARE_2 [raw]", quantity="none")
<i>LongId</i>	DM_SEQ_SPARE2 (description="DM_SEQ_SPARE2 [raw]", quantity="none")
<i>LongId</i>	HD_SPARE_1 (description="HD_SPARE_1 [raw]", quantity="none")
<i>LongId</i>	DM_DPUS_ERROR (description="DM_DPUS_ERROR [raw]", quantity="none")
<i>LongId</i>	DP_SPUL_LINK_DE (description="DP_SPUL_LINK_DE [raw]", quantity="none")
<i>StringId</i>	DP_EVENT_SPU (description="DP_EVENT_SPU", quantity="none")
<i>StringId</i>	DM_HKD_TASK_WR (description="DM_HKD_TASK_WR", quantity="none")
<i>StringId</i>	DM_DRC_TASK_WR (description="DM_DRC_TASK_WR", quantity="none")
<i>LongId</i>	DP_COM_SPUS (description="DP_COM_SPUS [raw]", quantity="none")
<i>DoubleId</i>	BOL_TEMP_B_2 (description="BOL_TEMP_B_2 [eng, degC]", quantity="none")
<i>StringId</i>	DM_BR_SENDING (description="DM_BR_SENDING", quantity="none")
<i>DoubleId</i>	BOL_TEMP_B_3 (description="BOL_TEMP_B_3 [eng, degC]", quantity="none")
<i>DoubleId</i>	BOL_TEMP_B_1 (description="BOL_TEMP_B_1 [eng, degC]", quantity="none")
<i>LongId</i>	DP_COM_SPUL (description="DP_COM_SPUL [raw]", quantity="none")

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<i>LongId</i>	DM_HKD_SPARE3 (description="DM_HKD_SPARE3 [raw]", quantity="none")
<i>LongId</i>	DP_AF_STATUS (description="DP_AF_STATUS [raw]", quantity="none")
<i>StringId</i>	DP_BLUE_SCIENCE (description="DP_BLUE_SCIENCE", quantity="none")
<i>StringId</i>	DM_DPUS_TASK_AL (description="DM_DPUS_TASK_AL", quantity="none")
<i>LongId</i>	DP_SPARE (description="DP_SPARE [raw]", quantity="none")
<i>LongId</i>	DM_R_SPEC_READ (description="DM_R_SPEC_READ [raw]", quantity="none")
<i>LongId</i>	SPS_VID (description="SPS_VID [raw]", quantity="none")
<i>DoubleId</i>	BOL_HEATER_SP (description="BOL_HEATER_SP [eng, A]", quantity="none")
<i>LongId</i>	DM_BC_SPARE4 (description="DM_BC_SPARE4 [raw]", quantity="none")
<i>LongId</i>	DM_HKCO_ERROR (description="DM_HKCO_ERROR [raw]", quantity="none")
<i>StringId</i>	DM_DRR_SENDING (description="DM_DRR_SENDING", quantity="none")
<i>LongId</i>	DM_DRR_SPARE2 (description="DM_DRR_SPARE2 [raw]", quantity="none")
<i>StringId</i>	DM_BR_ERR_NS (description="DM_BR_ERR_NS", quantity="none")
<i>DoubleId</i>	SPS_CPUWORKLOAD (description="SPS_CPUWORKLOAD [eng, %]", quantity="none")
<i>LongId</i>	DM_PM_DF_IND (description="DM_PM_DF_IND [raw]", quantity="none")
<i>LongId</i>	DM_DPUR_ERROR (description="DM_DPUR_ERROR [raw]", quantity="none")
<i>LongId</i>	DM_BOL_REC_STAT (description="DM_BOL_REC_STAT [raw]", quantity="none")
<i>StringId</i>	DP_WHICH_OBCP (description="DP_WHICH_OBCP", quantity="none")
<i>DoubleId</i>	LAST_16BIT_TIME (description="LAST_16BIT_TIME [eng, s]", quantity="none")
<i>StringId</i>	DP_TEST_MODE (description="DP_TEST_MODE", quantity="none")
<i>StringId</i>	DM_BPE_ERR_NS (description="DM_BPE_ERR_NS", quantity="none")
<i>LongId</i>	DM_IRS_CNT (description="DM_IRS_CNT [raw]", quantity="none")
<i>LongId</i>	SPS_CI (description="SPS_CI [raw]", quantity="none")
<i>LongId</i>	DM_CHOP_CUR_POS (description="DM_CHOP_CUR_POS [raw]", quantity="none")
<i>LongId</i>	DM_HKD_SPARE1 (description="DM_HKD_SPARE1 [raw]", quantity="none")

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<i>LongId</i>	DP_SW_VERS_ID (description="DP_SW_VERS_ID [raw]", quantity="none")
<i>LongId</i>	DM_CUSTOM_ENT10 (description="DM_CUSTOM_ENT10 [raw]", quantity="none")
<i>DoubleId</i>	BOL_TEMP_SP (description="BOL_TEMP_SP [eng, K]", quantity="none")
<i>LongId</i>	HD_PUS_VERSION (description="HD_PUS_VERSION [raw]", quantity="none")
<i>LongId</i>	HD_PACKET_TYPE (description="HD_PACKET_TYPE [raw]", quantity="none")
<i>StringId</i>	DM_FWPH_CUR_POS (description="DM_FWPH_CUR_POS", quantity="none")
<i>StringId</i>	DM_DBC_LINK (description="DM_DBC_LINK", quantity="none")
<i>LongId</i>	DM_BPE_ERROR (description="DM_BPE_ERROR [raw]", quantity="none")
<i>LongId</i>	SPL_CI (description="SPL_CI [raw]", quantity="none")
<i>DoubleId</i>	BOL_PWR_ANA_N_7 (description="BOL_PWR_ANA_N_7 [eng, V]", quantity="none")
<i>LongId</i>	DM_DECR_CTRL_ST (description="DM_DECR_CTRL_ST [raw]", quantity="none")
<i>LongId</i>	DP_TC_LOST (description="DP_TC_LOST [raw]", quantity="none")
<i>DoubleId</i>	DP_VOL_15P (description="DP_VOL_15P [eng, V]", quantity="none")
<i>DoubleId</i>	DP_VOL_15N (description="DP_VOL_15N [eng, V]", quantity="none")
<i>LongId</i>	HD_SRC_SEQ_CTN (description="HD_SRC_SEQ_CTN [raw]", quantity="none")
<i>LongId</i>	DM_DPU_REC_STAT (description="DM_DPU_REC_STAT [raw]", quantity="none")
<i>LongId</i>	DM_VID (description="DM_VID [raw]", quantity="none")
<i>DoubleId</i>	BOL_TEMP_SP_SWT (description="BOL_TEMP_SP_SWT [eng, K]", quantity="none")
<i>DoubleId</i>	DM_REF_VOLT_0V (description="DM_REF_VOLT_0V [eng, V]", quantity="none")
<i>StringId</i>	DP_COUNTER_DEC (description="DP_COUNTER_DEC", quantity="none")
<i>LongId</i>	DM_B_SPEC_READ (description="DM_B_SPEC_READ [raw]", quantity="none")
<i>StringId</i>	DP_HK_MONITOR (description="DP_HK_MONITOR", quantity="none")
<i>DoubleId</i>	BOL_TEMP_FPU_ST (description="BOL_TEMP_FPU_ST [eng, K]", quantity="none")
<i>DoubleId</i>	BOL_TEMP_TS (description="BOL_TEMP_TS [eng, K]", quantity="none")
<i>LongId</i>	DM_SW_SPARE5 (description="DM_SW_SPARE5 [raw]", quantity="none")
<i>LongId</i>	DP_COM_REJ_DPU (description="DP_COM_REJ_DPU [raw]", quantity="none")

<i>DoubleId</i>	DM_CHOPPER_TEMP (description="DM_CHOPPER_TEMP [eng, K]", quantity="none")
<i>StringId</i>	DM_RPE_TASK_WR (description="DM_RPE_TASK_WR", quantity="none")
<i>DoubleId</i>	BOL_I_HEATER_B4 (description="BOL_I_HEATER_B4 [eng, A]", quantity="none")
<i>LongId</i>	HD_APIID (description="HD_APIID [raw]", quantity="none")
<i>StringId</i>	DP_EV_BOL_I_FPU (description="DP_EV_BOL_I_FPU", quantity="none")
<i>StringId</i>	DP_EVENT_DPU (description="DP_EVENT_DPU", quantity="none")
<i>DoubleId</i>	BOL_I_HEATER_B2 (description="BOL_I_HEATER_B2 [eng, A]", quantity="none")
<i>DoubleId</i>	BOL_I_HEATER_B3 (description="BOL_I_HEATER_B3 [eng, A]", quantity="none")
<i>LongId</i>	DM_DRR_ERROR (description="DM_DRR_ERROR [raw]", quantity="none")
<i>DoubleId</i>	BOL_I_HEATER_B1 (description="BOL_I_HEATER_B1 [eng, A]", quantity="none")
<i>LongId</i>	DM_DECB_REC_STA (description="DM_DECB_REC_STA [raw]", quantity="none")
<i>DoubleId</i>	BOL_TEMP_EV (description="BOL_TEMP_EV [eng, K]", quantity="none")
<i>StringId</i>	DM_HKCO_TASK_WR (description="DM_HKCO_TASK_WR", quantity="none")
<i>LongId</i>	DM_BLUE_ENC_PAC (description="DM_BLUE_ENC_PAC [raw]", quantity="none")
nb-sp;	

3.2. PACS Photometry Level-1 Products

3.2.1. HPPAVGBS: Frames

<i>list context</i> (type="HPPAVGBS", description="Frames")	
<i>Meta-data</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
	modelName (description="Model name attached to this product")

StringParameter	
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
LongParameter	detRow (description="Number of detector rows")
LongParameter	detCol (description="Number of detector columns")
StringParameter	camName (description="Name of the Camera")
LongParameter	relTimeOffset (description="Relative time offset")
DoubleParameter	Apid (description="null")
DoubleParameter	subType (description="null")
DoubleParameter	compVersion (description="null")
DoubleParameter	algoNumber (description="null")
StringParameter	algorithm (description="null")
DoubleParameter	compNumber (description="null")
StringParameter	compMode (description="null")
DoubleParameter	dxid (description="null")
LongParameter	qflag_pacs_phot_red_FailedSPUBuffer (description="null")
LongParameter	qflag_pacs_phot_blue_FailedSPUBuffer (description="null")
StringParameter	fileName (description="null")
StringParameter	qflag_BPSCISAT_p (description="null")
DoubleParameter	qflag_BPSCISAT_p_v (description="null")
product	(type="HPPAVGBS", description="Frames")

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<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
LongParameter	detRow (description="Number of detector rows")
LongParameter	detCol (description="Number of detector columns")
StringParameter	camName (description="Name of the Camera")
LongParameter	relTimeOffset (description="Relative time offset")
DoubleParameter	Apid (description="null")
DoubleParameter	subType (description="null")
DoubleParameter	compVersion (description="null")
DoubleParameter	algoNumber (description="null")
StringParameter	algorithm (description="null")
DoubleParameter	compNumber (description="null")
StringParameter	compMode (description="null")
DoubleParameter	dxid (description="null")
LongParameter	qflag_pacs_phot_red_FailedSPUBuffer (description="null")
LongParameter	qflag_pacs_phot_blue_FailedSPUBuffer (description="null")
StringParameter	fileName (description="null")

StringParameter	qflag_BPSCISAT_p (description="null")
DoubleParameter	qflag_BPSCISAT_p_v (description="null")
array dataset	(description="null")
Metadata	
Double3d	(description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
table dataset	(description="Status")
Metadata	
StringParameter	MODE (description="null")
LongParameter	DIM1 (description="Number of measures per status parameter")
Int1d	RESETINDEX (description="Indicates the reset index of the status parameter", quantity="none")
Long1d	OBSID (description="Identifier of the observation", quantity="none")
Long1d	BBID (description="Building block type", quantity="none")
Long1d	FINETIME (description="Time [microsec] since epoch 1 Jan 1958", quantity="none")
Int1d	CPR (description="Chopper position", quantity="none")
Int1d	WPR (description="Filter wheel Position", quantity="none")
Int1d	CRDC (description="OBT clock tick counter since last time reset", quantity="none")
Int1d	CRCCP (description="OBT clock tick counter in current chopper plate", quantity="none")
Int1d	DBID (description="Data Block ID", quantity="none")
Bool1d	DMCSEQACTIVE (description="Indicates if a DMC sequence executing", quantity="none")
Int1d	CALSOURCE (description="Chopper on Calibration source 1, 2 or off (0)", quantity="none")
String1d	BAND (description="Wavelength Band", quantity="none")
Int1d	BBTYPE (description="Building Block Type", quantity="none")
Int1d	BBSEQCNT (description="Building Block Sequence Count", quantity="none")
Int1d	DP_WHICH_OBCP (description="OBCP Number", quantity="none")
Double1d	CHOPFPUANGLE (description="chopper angle in degrees wrt. FPU", quantity="none")
Double1d	CHOPSKYANGLE (description="chopper angle in arc mins wrt. sky", quantity="none")
Double1d	RaArray (description="RA", quantity="none")
Double1d	DecArray (description="Declination", quantity="none")
Double1d	RaArrayErr (description="RA Error", quantity="none")
Double1d	DecArrayErr (description="Declination Error", quantity="none")
String1d	Mode (description="Pointing Mode", quantity="none")
Long1d	RasterLineNum (description="Pointing Raster Line Number", quantity="none")

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<i>LongId</i>	RasterColumnNum (description="Pointing Raster Column Number", quantity="none")
<i>LongId</i>	NodCycleNum (description="Pointing Nod Cycle Number", quantity="none")
<i>BoolId</i>	OnTarget (description="On Target flag", quantity="none")
<i>BoolId</i>	AbPosId (description="onRaster and offRaster Nod information", quantity="none")
<i>BoolId</i>	IsSlew (description="Slew of the Sattelite", quantity="none")
<i>BoolId</i>	IsOffPos (description="Off Position flag", quantity="none")
<i>LongId</i>	ScanLineNumber (description="Scan Line number", quantity="none")
<i>StringId</i>	AcmsMode (description="ACMS mode", quantity="none")
<i>StringId</i>	Aperture (description="Aperture", quantity="none")
<i>BoolId</i>	IsAPosition (description="is A position", quantity="none")
<i>BoolId</i>	IsBPosition (description="is B position", quantity="none")
<i>BoolId</i>	IsOutOfField (description="Is Out of Field", quantity="none")
<i>BoolId</i>	IsSerendipity (description="is serendipity mode", quantity="none")
<i>IntId</i>	DithPos (description="Dithering Position", quantity="none")
<i>IntId</i>	OnRasterPosCount (description="On Raster Position Counter", quantity="none")
<i>IntId</i>	OffRasterPosCount (description="Off Raster Position Counter", quantity="none")
<i>IntId</i>	NrChopperPlateau (description="Number of valid readouts per chopper plateau", quantity="none")
<i>IntId</i>	UnCleanChop (description="Continuous numbering of Plateaus", quantity="none")
<i>table dataset</i>	(description="BlockTable")
<i>Metadata</i>	
<i>StringParameter</i>	MODE (description="PACS Mode")
<i>IntId</i>	Obcp (description="OBCP", quantity="none")
<i>IntId</i>	DMSActive (description="Dec Mec Sequence Active", quantity="none")
<i>IntId</i>	ChopperPlateau (description="Chopper Plateau", quantity="none")
<i>IntId</i>	CalSource (description="Calibration Source", quantity="none")
<i>IntId</i>	Filter (description="Filter", quantity="none")
<i>IntId</i>	StartIdx (description="Start Index", quantity="none")
<i>IntId</i>	EndIdx (description="End Index (NOT INCLUSIVE)", quantity="none")
<i>IntId</i>	NrIdx (description="Number of Indexes", quantity="none")
<i>DoubleId</i>	Raster (description="Raster Position", quantity="none")
<i>StringId</i>	Id (description="Block ID", quantity="none")
<i>StringId</i>	Description (description="Verbose Description", quantity="none")
<i>IntId</i>	OnSource (description="On-Source Label", quantity="none")
<i>IntId</i>	OffSource1 (description="First Off-Source Label", quantity="none")
<i>IntId</i>	OffSource2 (description="Second Off-Source Label", quantity="none")
<i>IntId</i>	NrAvg (description="Average number", quantity="none")

<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Bool2d</i>	(description="null", quantity="none")
<i>composite</i>	(description="Mask data stored in bit encoded arrays")
<i>Metadata</i>	
<i>LongParameter</i>	number of rows (description="null")
<i>LongParameter</i>	number of columns (description="null")
<i>LongParameter</i>	number of resets (description="null")
<i>LongParameter</i>	number of samples (description="null")
<i>StringParameter</i>	camName (description="Name of the Camera")
<i>LongParameter</i>	detRow (description="Number of detector rows")
<i>LongParameter</i>	detCol (description="Number of detector columns")
<i>array dataset</i>	(description="Mask that flags the blind pixels")
<i>Metadata</i>	
<i>LongParameter</i>	Mask dimension (description="null")
<i>LongParameter</i>	number of rows (description="null")
<i>LongParameter</i>	number of columns (description="null")
<i>LongParameter</i>	number of resets (description="null")
<i>LongParameter</i>	number of samples (description="null")
<i>Int3d</i>	(description="Mask that flags the blind pixels", quantity="none")
<i>array dataset</i>	(description="Bad pixels")
<i>Metadata</i>	
<i>LongParameter</i>	Mask dimension (description="null")
<i>LongParameter</i>	number of rows (description="null")
<i>LongParameter</i>	number of columns (description="null")
<i>LongParameter</i>	number of resets (description="null")
<i>LongParameter</i>	number of samples (description="null")
<i>Int3d</i>	(description="Bad pixels", quantity="none")
<i>array dataset</i>	(description="saturated pixels")
<i>Metadata</i>	
<i>LongParameter</i>	Mask dimension (description="null")
<i>LongParameter</i>	number of rows (description="null")
<i>LongParameter</i>	number of columns (description="null")
<i>LongParameter</i>	number of resets (description="null")
<i>LongParameter</i>	number of samples (description="null")
<i>Int3d</i>	(description="saturated pixels", quantity="none")
<i>array dataset</i>	(description="Contains OR operation on all masks.")
<i>Metadata</i>	
<i>LongParameter</i>	Mask dimension (description="null")
<i>LongParameter</i>	number of rows (description="null")
<i>LongParameter</i>	number of columns (description="null")

LongParameter	number of resets (description="null")
LongParameter	number of samples (description="null")
Int3d	(description="Contains OR operation on all masks.", quantity="none")
array dataset	(description="frames that are affected by the chopper transitions")
Metadata	
LongParameter	Mask dimension (description="null")
LongParameter	number of rows (description="null")
LongParameter	number of columns (description="null")
LongParameter	number of resets (description="null")
LongParameter	number of samples (description="null")
Int3d	(description="frames that are affected by the chopper transitions", quantity="none")
array dataset	(description="null")
Metadata	
Double3d	(description="null", quantity="none")
array dataset	(description="null")
Metadata	
Double3d	(description="null", quantity="none")
array dataset	(description="null")
Metadata	
Double3d	(description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
array dataset	(description="null")
Metadata	
Int3d	(description="null", quantity="none")

3.2.2. HPPAVGRS: Frames

<i>list context (type="HPPAVGRS", description="Frames")</i>	
Meta-data	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
	modelName (description="Model name attached to this product")

StringParameter	
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
LongParameter	detRow (description="Number of detector rows")
LongParameter	detCol (description="Number of detector columns")
StringParameter	camName (description="Name of the Camera")
LongParameter	relTimeOffset (description="Relative time offset")
DoubleParameter	Apid (description="null")
DoubleParameter	subType (description="null")
DoubleParameter	compVersion (description="null")
DoubleParameter	algoNumber (description="null")
StringParameter	algorithm (description="null")
DoubleParameter	compNumber (description="null")
StringParameter	compMode (description="null")
DoubleParameter	dxid (description="null")
LongParameter	qflag_pacs_phot_red_FailedSPUBuffer (description="null")
LongParameter	qflag_pacs_phot_blue_FailedSPUBuffer (description="null")
StringParameter	fileName (description="null")
StringParameter	qflag_RPSCISAT_p (description="null")
DoubleParameter	qflag_RPSCISAT_p_v (description="null")
product	(type="HPPAVGRS", description="Frames")

<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
LongParameter	detRow (description="Number of detector rows")
LongParameter	detCol (description="Number of detector columns")
StringParameter	camName (description="Name of the Camera")
LongParameter	relTimeOffset (description="Relative time offset")
DoubleParameter	Apid (description="null")
DoubleParameter	subType (description="null")
DoubleParameter	compVersion (description="null")
DoubleParameter	algoNumber (description="null")
StringParameter	algorithm (description="null")
DoubleParameter	compNumber (description="null")
StringParameter	compMode (description="null")
DoubleParameter	dxid (description="null")
LongParameter	qflag_pacs_phot_red_FailedSPUBuffer (description="null")
LongParameter	qflag_pacs_phot_blue_FailedSPUBuffer (description="null")
StringParameter	fileName (description="null")

StringParameter	qflag_RPSCISAT_p (description="null")
DoubleParameter	qflag_RPSCISAT_p_v (description="null")
array dataset	(description="null")
Metadata	
Double3d	(description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
table dataset	(description="Status")
Metadata	
StringParameter	MODE (description="null")
LongParameter	DIM1 (description="Number of measures per status parameter")
Int1d	RESETINDEX (description="Indicates the reset index of the status parameter", quantity="none")
Long1d	OBSID (description="Identifier of the observation", quantity="none")
Long1d	BBID (description="Building block type", quantity="none")
Long1d	FINETIME (description="Time [microsec] since epoch 1 Jan 1958", quantity="none")
Int1d	CPR (description="Chopper position", quantity="none")
Int1d	WPR (description="Filter wheel Position", quantity="none")
Int1d	CRDC (description="OBT clock tick counter since last time reset", quantity="none")
Int1d	CRCCP (description="OBT clock tick counter in current chopper plate", quantity="none")
Int1d	DBID (description="Data Block ID", quantity="none")
Bool1d	DMCSEQACTIVE (description="Indicates if a DMC sequence executing", quantity="none")
Int1d	CALSOURCE (description="Chopper on Calibration source 1, 2 or off (0)", quantity="none")
String1d	BAND (description="Wavelength Band", quantity="none")
Int1d	BBTYPE (description="Building Block Type", quantity="none")
Int1d	BBSEQCNT (description="Building Block Sequence Count", quantity="none")
Int1d	DP_WHICH_OBCP (description="OBCP Number", quantity="none")
Double1d	CHOPFPUANGLE (description="chopper angle in degrees wrt. FPU", quantity="none")
Double1d	CHOPSKYANGLE (description="chopper angle in arc mins wrt. sky", quantity="none")
Double1d	RaArray (description="RA", quantity="none")
Double1d	DecArray (description="Declination", quantity="none")
Double1d	RaArrayErr (description="RA Error", quantity="none")
Double1d	DecArrayErr (description="Declination Error", quantity="none")
String1d	Mode (description="Pointing Mode", quantity="none")
Long1d	RasterLineNum (description="Pointing Raster Line Number", quantity="none")

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<i>LongId</i>	RasterColumnNum (description="Pointing Raster Column Number", quantity="none")
<i>LongId</i>	NodCycleNum (description="Pointing Nod Cycle Number", quantity="none")
<i>BoolId</i>	OnTarget (description="On Target flag", quantity="none")
<i>BoolId</i>	AbPosId (description="onRaster and offRaster Nod information", quantity="none")
<i>BoolId</i>	IsSlew (description="Slew of the Sattelite", quantity="none")
<i>BoolId</i>	IsOffPos (description="Off Position flag", quantity="none")
<i>LongId</i>	ScanLineNumber (description="Scan Line number", quantity="none")
<i>StringId</i>	AcmsMode (description="ACMS mode", quantity="none")
<i>StringId</i>	Aperture (description="Aperture", quantity="none")
<i>BoolId</i>	IsAPosition (description="is A position", quantity="none")
<i>BoolId</i>	IsBPosition (description="is B position", quantity="none")
<i>BoolId</i>	IsOutOfField (description="Is Out of Field", quantity="none")
<i>BoolId</i>	IsSerendipity (description="is serendipity mode", quantity="none")
<i>IntId</i>	DithPos (description="Dithering Position", quantity="none")
<i>IntId</i>	OnRasterPosCount (description="On Raster Position Counter", quantity="none")
<i>IntId</i>	OffRasterPosCount (description="Off Raster Position Counter", quantity="none")
<i>IntId</i>	NrChopperPlateau (description="Number of valid readouts per chopper plateau", quantity="none")
<i>IntId</i>	UnCleanChop (description="Continuous numbering of Plateaus", quantity="none")
<i>table dataset</i>	(description="BlockTable")
<i>Metadata</i>	
<i>StringParameter</i>	MODE (description="PACS Mode")
<i>IntId</i>	Obcp (description="OBCP", quantity="none")
<i>IntId</i>	DMSActive (description="Dec Mec Sequence Active", quantity="none")
<i>IntId</i>	ChopperPlateau (description="Chopper Plateau", quantity="none")
<i>IntId</i>	CalSource (description="Calibration Source", quantity="none")
<i>IntId</i>	Filter (description="Filter", quantity="none")
<i>IntId</i>	StartIdx (description="Start Index", quantity="none")
<i>IntId</i>	EndIdx (description="End Index (NOT INCLUSIVE)", quantity="none")
<i>IntId</i>	NrIdx (description="Number of Indexes", quantity="none")
<i>DoubleId</i>	Raster (description="Raster Position", quantity="none")
<i>StringId</i>	Id (description="Block ID", quantity="none")
<i>StringId</i>	Description (description="Verbose Description", quantity="none")
<i>IntId</i>	OnSource (description="On-Source Label", quantity="none")
<i>IntId</i>	OffSource1 (description="First Off-Source Label", quantity="none")
<i>IntId</i>	OffSource2 (description="Second Off-Source Label", quantity="none")
<i>IntId</i>	NrAvg (description="Average number", quantity="none")

<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Bool2d</i>	(description="null", quantity="none")
<i>composite</i>	(description="Mask data stored in bit encoded arrays")
<i>Metadata</i>	
LongParameter	number of rows (description="null")
LongParameter	number of columns (description="null")
LongParameter	number of resets (description="null")
LongParameter	number of samples (description="null")
StringParameter	camName (description="Name of the Camera")
LongParameter	detRow (description="Number of detector rows")
LongParameter	detCol (description="Number of detector columns")
<i>array dataset</i>	(description="Mask that flags the blind pixels")
<i>Metadata</i>	
LongParameter	Mask dimension (description="null")
LongParameter	number of rows (description="null")
LongParameter	number of columns (description="null")
LongParameter	number of resets (description="null")
LongParameter	number of samples (description="null")
<i>Int3d</i>	(description="Mask that flags the blind pixels", quantity="none")
<i>array dataset</i>	(description="Bad pixels")
<i>Metadata</i>	
LongParameter	Mask dimension (description="null")
LongParameter	number of rows (description="null")
LongParameter	number of columns (description="null")
LongParameter	number of resets (description="null")
LongParameter	number of samples (description="null")
<i>Int3d</i>	(description="Bad pixels", quantity="none")
<i>array dataset</i>	(description="saturated pixels")
<i>Metadata</i>	
LongParameter	Mask dimension (description="null")
LongParameter	number of rows (description="null")
LongParameter	number of columns (description="null")
LongParameter	number of resets (description="null")
LongParameter	number of samples (description="null")
<i>Int3d</i>	(description="saturated pixels", quantity="none")
<i>array dataset</i>	(description="Contains OR operation on all masks.")
<i>Metadata</i>	
LongParameter	Mask dimension (description="null")
LongParameter	number of rows (description="null")
LongParameter	number of columns (description="null")

LongParameter	number of resets (description="null")
LongParameter	number of samples (description="null")
Int3d	(description="Contains OR operation on all masks.", quantity="none")
array dataset	(description="frames that are affected by the chopper transitions")
Metadata	
LongParameter	Mask dimension (description="null")
LongParameter	number of rows (description="null")
LongParameter	number of columns (description="null")
LongParameter	number of resets (description="null")
LongParameter	number of samples (description="null")
Int3d	(description="frames that are affected by the chopper transitions", quantity="none")
array dataset	(description="null")
Metadata	
Double3d	(description="null", quantity="none")
array dataset	(description="null")
Metadata	
Double3d	(description="null", quantity="none")
array dataset	(description="null")
Metadata	
Double3d	(description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
array dataset	(description="null")
Metadata	
Int3d	(description="null", quantity="none")

3.3. PACS Photometry Level-2 Products

3.3.1. HPPAVGBS: Frames

<i>product (type="HPPAVGBS", description="Frames")</i>	
Meta-data	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")

StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
LongParameter	detRow (description="Number of detector rows")
LongParameter	detCol (description="Number of detector columns")
StringParameter	camName (description="Name of the Camera")
LongParameter	relTimeOffset (description="Relative time offset")
DoubleParameter	Apid (description="null")
DoubleParameter	subType (description="null")
DoubleParameter	compVersion (description="null")
DoubleParameter	algoNumber (description="null")
StringParameter	algorithm (description="null")
DoubleParameter	compNumber (description="null")
StringParameter	compMode (description="null")
DoubleParameter	dxid (description="null")
LongParameter	qflag_pacs_phot_red_FailedSPUBuffer (description="null")
LongParameter	qflag_pacs_phot_blue_FailedSPUBuffer (description="null")
StringParameter	fileName (description="null")
StringParameter	qflag_BPSCISAT_p (description="null")
DoubleParameter	qflag_BPSCISAT_p_v (description="null")
<i>array</i> <i>dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double3d</i>	(description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>table</i> <i>dataset</i>	(description="Status")

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<i>Metadata</i>	
StringParameter	MODE (description="null")
LongParameter	DIM1 (description="Number of measures per status parameter")
<i>LongId</i>	OBSID (description="Identifier of the observation", quantity="none")
<i>LongId</i>	FINETIME (description="Time [microsec] since epoch 1 Jan 1958", quantity="none")
<i>IntId</i>	DP_WHICH_OBCP (description="OBCP Number", quantity="none")
<i>DoubleId</i>	CHOPFPUANGLE (description="chopper angle in degrees wrt. FPU", quantity="none")
<i>DoubleId</i>	CHOPSKYANGLE (description="chopper angle in arc mins wrt. sky", quantity="none")
<i>DoubleId</i>	RaArray (description="RA", quantity="none")
<i>DoubleId</i>	DecArray (description="Declination", quantity="none")
<i>DoubleId</i>	RaArrayErr (description="RA Error", quantity="none")
<i>DoubleId</i>	DecArrayErr (description="Declination Error", quantity="none")
<i>StringId</i>	Mode (description="Pointing Mode", quantity="none")
<i>LongId</i>	RasterLineNum (description="Pointing Raster Line Number", quantity="none")
<i>LongId</i>	RasterColumnNum (description="Pointing Raster Column Number", quantity="none")
<i>LongId</i>	NodCycleNum (description="Pointing Nod Cycle Number", quantity="none")
<i>BoolId</i>	OnTarget (description="On Target flag", quantity="none")
<i>BoolId</i>	AbPosId (description="onRaster and offRaster Nod information", quantity="none")
<i>BoolId</i>	IsSlew (description="Slew of the Sattelite", quantity="none")
<i>BoolId</i>	IsOffPos (description="Off Position flag", quantity="none")
<i>LongId</i>	ScanLineNumber (description="Scan Line number", quantity="none")
<i>StringId</i>	AcmsMode (description="ACMS mode", quantity="none")
<i>StringId</i>	Aperture (description="Aperture", quantity="none")
<i>BoolId</i>	IsAPosition (description="is A position", quantity="none")
<i>BoolId</i>	IsBPosition (description="is B position", quantity="none")
<i>BoolId</i>	IsOutOfField (description="Is Out of Field", quantity="none")
<i>BoolId</i>	IsSerendipity (description="is serendipity mode", quantity="none")
<i>IntId</i>	OnRasterPosCount (description="On Raster Position Counter", quantity="none")
<i>IntId</i>	OffRasterPosCount (description="Off Raster Position Counter", quantity="none")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double3d</i>	(description="null", quantity="none")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double3d</i>	(description="null", quantity="none")

<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double3d</i>	(description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Int3d</i>	(description="null", quantity="none")
<i>table dataset</i>	(description="BlockTable")
<i>Metadata</i>	
StringParameter	MODE (description="PACS Mode")
<i>Int1d</i>	Obcp (description="OBCP", quantity="none")
<i>Int1d</i>	DMSActive (description="Dec Mec Sequence Active", quantity="none")
<i>Int1d</i>	ChopperPlateau (description="Chopper Plateau", quantity="none")
<i>Int1d</i>	CalSource (description="Calibration Source", quantity="none")
<i>Int1d</i>	Filter (description="Filter", quantity="none")
<i>Int1d</i>	StartIdx (description="Start Index", quantity="none")
<i>Int1d</i>	EndIdx (description="End Index (NOT INCLUSIVE)", quantity="none")
<i>Int1d</i>	NrIdx (description="Number of Indexes", quantity="none")
<i>Double1d</i>	Raster (description="Raster Position", quantity="none")
<i>String1d</i>	Id (description="Block ID", quantity="none")
<i>String1d</i>	Description (description="Verbose Description", quantity="none")
<i>Int1d</i>	OnSource (description="On-Source Label", quantity="none")
<i>Int1d</i>	OffSource1 (description="First Off-Source Label", quantity="none")
<i>Int1d</i>	OffSource2 (description="Second Off-Source Label", quantity="none")
<i>Int1d</i>	NrAvg (description="Average number", quantity="none")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Bool2d</i>	(description="null", quantity="none")
<i>com- posite</i>	(description="null")
<i>Metadata</i>	
LongParameter	number of rows (description="null")
LongParameter	number of columns (description="null")
LongParameter	number of resets (description="null")
LongParameter	number of samples (description="null")
StringParameter	camName (description="Name of the Camera")
LongParameter	detRow (description="Number of detector rows")
LongParameter	detCol (description="Number of detector columns")
<i>array dataset</i>	(description="Mask that flags the blind pixels")

<i>Metadata</i>	
LongParameter	Mask dimension (description="null")
LongParameter	number of rows (description="null")
LongParameter	number of columns (description="null")
LongParameter	number of resets (description="null")
LongParameter	number of samples (description="null")
<i>Int3d</i>	(description="Mask that flags the blind pixels", quantity="none")
<i>array</i> <i>dataset</i>	(description="Bad pixels")
<i>Metadata</i>	
LongParameter	Mask dimension (description="null")
LongParameter	number of rows (description="null")
LongParameter	number of columns (description="null")
LongParameter	number of resets (description="null")
LongParameter	number of samples (description="null")
<i>Int3d</i>	(description="Bad pixels", quantity="none")
<i>array</i> <i>dataset</i>	(description="saturated pixels")
<i>Metadata</i>	
LongParameter	Mask dimension (description="null")
LongParameter	number of rows (description="null")
LongParameter	number of columns (description="null")
LongParameter	number of resets (description="null")
LongParameter	number of samples (description="null")
<i>Int3d</i>	(description="saturated pixels", quantity="none")
<i>array</i> <i>dataset</i>	(description="Contains OR operation on all masks.")
<i>Metadata</i>	
LongParameter	Mask dimension (description="null")
LongParameter	number of rows (description="null")
LongParameter	number of columns (description="null")
LongParameter	number of resets (description="null")
LongParameter	number of samples (description="null")
<i>Int3d</i>	(description="Contains OR operation on all masks.", quantity="none")
<i>array</i> <i>dataset</i>	(description="frames that are affected by the chopper transitions")
<i>Metadata</i>	
LongParameter	Mask dimension (description="null")
LongParameter	number of rows (description="null")
LongParameter	number of columns (description="null")
LongParameter	number of resets (description="null")
LongParameter	number of samples (description="null")

<i>Int3d</i>	(description="frames that are affected by the chopper transitions", quantity="none")

3.3.2. HPPAVGRS: Frames

<i>product (type="HPPAVGRS", description="Frames")</i>	
<i>Meta-data</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
LongParameter	detRow (description="Number of detector rows")
LongParameter	detCol (description="Number of detector columns")
StringParameter	camName (description="Name of the Camera")
LongParameter	relTimeOffset (description="Relative time offset")
DoubleParameter	Apid (description="null")
DoubleParameter	subType (description="null")
DoubleParameter	compVersion (description="null")
DoubleParameter	algoNumber (description="null")
StringParameter	algorithm (description="null")
DoubleParameter	compNumber (description="null")
StringParameter	compMode (description="null")
DoubleParameter	dxid (description="null")

LongParameter	qflag_pacs_phot_red_FailedSPUBuffer (description="null")
LongParameter	qflag_pacs_phot_blue_FailedSPUBuffer (description="null")
StringParameter	fileName (description="null")
StringParameter	qflag_RPSCISAT_p (description="null")
DoubleParameter	qflag_RPSCISAT_p_v (description="null")
array dataset	(description="null")
Metadata	
Double3d	(description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
table dataset	(description="Status")
Metadata	
StringParameter	MODE (description="null")
LongParameter	DIM1 (description="Number of measures per status parameter")
LongId	OBSID (description="Identifier of the observation", quantity="none")
LongId	FINETIME (description="Time [microsec] since epoch 1 Jan 1958", quantity="none")
IntId	DP_WHICH_OBCP (description="OBCP Number", quantity="none")
DoubleId	CHOPFPUANGLE (description="chopper angle in degrees wrt. FPU", quantity="none")
DoubleId	CHOPSKYANGLE (description="chopper angle in arc mins wrt. sky", quantity="none")
DoubleId	RaArray (description="RA", quantity="none")
DoubleId	DecArray (description="Declination", quantity="none")
DoubleId	RaArrayErr (description="RA Error", quantity="none")
DoubleId	DecArrayErr (description="Declination Error", quantity="none")
StringId	Mode (description="Pointing Mode", quantity="none")
LongId	RasterLineNum (description="Pointing Raster Line Number", quantity="none")
LongId	RasterColumnNum (description="Pointing Raster Column Number", quantity="none")
LongId	NodCycleNum (description="Pointing Nod Cycle Number", quantity="none")
BoolId	OnTarget (description="On Target flag", quantity="none")
BoolId	AbPosId (description="onRaster and offRaster Nod information", quantity="none")
BoolId	IsSlew (description="Slew of the Sattelite", quantity="none")
BoolId	IsOffPos (description="Off Position flag", quantity="none")
LongId	ScanLineNumber (description="Scan Line number", quantity="none")
StringId	AcmsMode (description="ACMS mode", quantity="none")
StringId	Aperture (description="Aperture", quantity="none")
BoolId	IsAPosition (description="is A position", quantity="none")

<i>Bool1d</i>	IsBPosition (description="is B position", quantity="none")
<i>Bool1d</i>	IsOutOfField (description="Is Out of Field", quantity="none")
<i>Bool1d</i>	IsSerendipity (description="is serendipity mode", quantity="none")
<i>Int1d</i>	OnRasterPosCount (description="On Raster Position Counter", quantity="none")
<i>Int1d</i>	OffRasterPosCount (description="Off Raster Position Counter", quantity="none")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double3d</i>	(description="null", quantity="none")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double3d</i>	(description="null", quantity="none")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double3d</i>	(description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Int3d</i>	(description="null", quantity="none")
<i>table dataset</i>	(description="BlockTable")
<i>Metadata</i>	
<i>StringParameter</i>	MODE (description="PACS Mode")
<i>Int1d</i>	Obcp (description="OBCP", quantity="none")
<i>Int1d</i>	DMSActive (description="Dec Mec Sequence Active", quantity="none")
<i>Int1d</i>	ChopperPlateau (description="Chopper Plateau", quantity="none")
<i>Int1d</i>	CalSource (description="Calibration Source", quantity="none")
<i>Int1d</i>	Filter (description="Filter", quantity="none")
<i>Int1d</i>	StartIdx (description="Start Index", quantity="none")
<i>Int1d</i>	EndIdx (description="End Index (NOT INCLUSIVE)", quantity="none")
<i>Int1d</i>	NrIdx (description="Number of Indexes", quantity="none")
<i>Double1d</i>	Raster (description="Raster Position", quantity="none")
<i>String1d</i>	Id (description="Block ID", quantity="none")
<i>String1d</i>	Description (description="Verbose Description", quantity="none")
<i>Int1d</i>	OnSource (description="On-Source Label", quantity="none")
<i>Int1d</i>	OffSource1 (description="First Off-Source Label", quantity="none")
<i>Int1d</i>	OffSource2 (description="Second Off-Source Label", quantity="none")
<i>Int1d</i>	NrAvg (description="Average number", quantity="none")
<i>array dataset</i>	(description="null")

<i>Metadata</i>	
<i>Bool2d</i>	(description="null", quantity="none")
<i>com- posite</i>	(description="null")
<i>Metadata</i>	
LongParameter	number of rows (description="null")
LongParameter	number of columns (description="null")
LongParameter	number of resets (description="null")
LongParameter	number of samples (description="null")
StringParameter	camName (description="Name of the Camera")
LongParameter	detRow (description="Number of detector rows")
LongParameter	detCol (description="Number of detector columns")
<i>array dataset</i>	(description="Mask that flags the blind pixels")
<i>Metadata</i>	
LongParameter	Mask dimension (description="null")
LongParameter	number of rows (description="null")
LongParameter	number of columns (description="null")
LongParameter	number of resets (description="null")
LongParameter	number of samples (description="null")
<i>Int3d</i>	(description="Mask that flags the blind pixels", quantity="none")
<i>array dataset</i>	(description="Bad pixels")
<i>Metadata</i>	
LongParameter	Mask dimension (description="null")
LongParameter	number of rows (description="null")
LongParameter	number of columns (description="null")
LongParameter	number of resets (description="null")
LongParameter	number of samples (description="null")
<i>Int3d</i>	(description="Bad pixels", quantity="none")
<i>array dataset</i>	(description="saturated pixels")
<i>Metadata</i>	
LongParameter	Mask dimension (description="null")
LongParameter	number of rows (description="null")
LongParameter	number of columns (description="null")
LongParameter	number of resets (description="null")
LongParameter	number of samples (description="null")
<i>Int3d</i>	(description="saturated pixels", quantity="none")
<i>array dataset</i>	(description="Contains OR operation on all masks.")
<i>Metadata</i>	
LongParameter	Mask dimension (description="null")

LongParameter	number of rows (description="null")
LongParameter	number of columns (description="null")
LongParameter	number of resets (description="null")
LongParameter	number of samples (description="null")
<i>Int3d</i>	(description="Contains OR operation on all masks.", quantity="none")
<i>array dataset</i>	(description="frames that are affected by the chopper transitions")
<i>Metadata</i>	
LongParameter	Mask dimension (description="null")
LongParameter	number of rows (description="null")
LongParameter	number of columns (description="null")
LongParameter	number of resets (description="null")
LongParameter	number of samples (description="null")
<i>Int3d</i>	(description="frames that are affected by the chopper transitions", quantity="none")

3.4. PACS Spectroscopy Level-0 Products

3.4.1. HPSRAWBS: Raw Ramps. Readouts stored in a TableDataset.

<i>product (type="HPSRAWBS", description="Raw Ramps. Readouts stored in a TableDataset.")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	camName (description="Name of the Camera")
LongParameter	detRow (description="Number of detector rows")
LongParameter	detCol (description="Number of detector columns")
BooleanParameter	Initialized (description="null")
DoubleParameter	Apid (description="null")
DoubleParameter	subType (description="null")
DoubleParameter	compVersion (description="null")
DoubleParameter	algoNumber (description="null")
StringParameter	algorithm (description="null")
DoubleParameter	compNumber (description="null")

StringParameter	compMode (description="null")
DoubleParameter	dxid (description="null")
LongParameter	RELTIMEOFFSET (description="null")
StringParameter	fileName (description="null")
<i>table dataset</i>	(description="Table for science data.")
<i>Metadata</i>	
<i>Int1d</i>	detnum (description="null", quantity="none")
<i>Int1d</i>	row (description="null", quantity="none")
<i>Int1d</i>	column (description="null", quantity="none")
<i>Int1d</i>	reset (description="null", quantity="none")
<i>Double2d</i>	readouts (description="null", quantity="none")
<i>table dataset</i>	(description="Status")
<i>Metadata</i>	
StringParameter	MODE (description="null")
LongParameter	DIM1 (description="Number of measures per status parameter")
LongParameter	DIM2 (description="Number of measures per status parameter")
<i>Int1d</i>	RESETINDEX (description="Indicates the reset index of the status parameter", quantity="none")
<i>Long1d</i>	OBSID (description="Identifier of the observation", quantity="none")
<i>Int1d</i>	BBID (description="Building block type", quantity="none")
<i>Int2d</i>	LBL (description="Label", quantity="none")
<i>Int2d</i>	TMP1 (description="Time 1 field - Number of microseconds since epoch 1 Jan 1958 (0 <= coarse < 2^32)", quantity="none")
<i>Int2d</i>	TMP2 (description="Time 2 field- Number of 1/65536 fractional seconds (0 <= fine < 2^16)", quantity="none")
<i>Long2d</i>	FINETIME (description="Time [microsec] since epoch 1 Jan 1958", quantity="none")
<i>Bool2d</i>	VLD (description="Validity flag set by DecMec", quantity="none")
<i>Int2d</i>	CPR (description="Chopper position", quantity="none")
<i>Int2d</i>	WPR (description="Filter wheel Position", quantity="none")
<i>Int2d</i>	GPR (description="Grating Position", quantity="none")
<i>Int2d</i>	CRCRMP (description="Readout counter within an integration ramp", quantity="none")
<i>Int2d</i>	RRR (description="Readouts in Ramp", quantity="none")
<i>Int2d</i>	CRDC (description="Current Readout counter since last time reset", quantity="none")
<i>Int2d</i>	CRECR (description="CRE status word", quantity="none")
<i>Bool2d</i>	DMCSEQACTIVE (description="Indicates if a DMC sequence executing", quantity="none")
<i>Int2d</i>	CHOPPERPLATEAU (description="Indicates the chopper plateau within a sequence", quantity="none")
<i>Int2d</i>	CALSOURCE (description="Chopper on Calibration source 1, 2 or off (0)", quantity="none")

	<i>Int2d</i>	SCANDIR (description="Scan Direction", quantity="none")
	<i>Bool2d</i>	WASWITCH (description="Indicates that we are in Wavelength switching", quantity="none")
	<i>Int2d</i>	WASWITCHPOS (description="Give wavelength switch position (0,1,2)", quantity="none")
	<i>Int2d</i>	PIX (description="PIX counter for synchronisation to SPU housekeeping (CompressedEntHeader", quantity="none")
	<i>Int2d</i>	RCX (description="Raw Channel Index in CompressedEntHeader", quantity="none")
	<i>Int2d</i>	RESETCNT (description="Reset counter to identify frames belonging to a", quantity="none")
	<i>Int1d</i>	BLOCKIDX (description="Reference to the BlockTable entry", quantity="none")
<i>composite</i>	(description="Mask data stored in a table")	
	<i>Metadata</i>	
	LongParameter	number of rows (description="null")
	LongParameter	number of columns (description="null")
	LongParameter	number of resets (description="null")
	LongParameter	number of samples (description="null")
	StringParameter	camName (description="Name of the Camera")
	LongParameter	detRow (description="Number of detector rows")
	LongParameter	detCol (description="Number of detector columns")
<i>table dataset</i>	(description="Mask data stored bit encoded in a table")	
	<i>Metadata</i>	
	<i>Int1d</i>	detnum (description="null", quantity="none")
	<i>Int1d</i>	row (description="null", quantity="none")
	<i>Int1d</i>	column (description="null", quantity="none")
	<i>Int1d</i>	reset (description="null", quantity="none")
	<i>Int2d</i>	BLINDPIXELS (description="4 D Mask", quantity="none")

3.4.2. HPSRAWRS: Raw Ramps. Readouts stored in a TableDataset.

<i>product (type="HPSRAWRS", description="Raw Ramps. Readouts stored in a TableDataset.")</i>		
	<i>Metadata</i>	
	StringParameter	type (description="Product Type Identification")
	StringParameter	creator (description="Generator of this product")
	DateParameter	creationDate (description="Creation date of this product")
	StringParameter	description (description="Name of this product")
	StringParameter	instrument (description="Instrument attached to this product")
	StringParameter	modelName (description="Model name attached to this product")
	DateParameter	startDate (description="Start date of this product")
	DateParameter	endDate (description="End date of this product")

StringParameter	camName (description="Name of the Camera")
LongParameter	detRow (description="Number of detector rows")
LongParameter	detCol (description="Number of detector columns")
BooleanParameter	Initialized (description="null")
DoubleParameter	Apid (description="null")
DoubleParameter	subType (description="null")
DoubleParameter	compVersion (description="null")
DoubleParameter	algoNumber (description="null")
StringParameter	algorithm (description="null")
DoubleParameter	compNumber (description="null")
StringParameter	compMode (description="null")
DoubleParameter	dxid (description="null")
LongParameter	RELTIMEOFFSET (description="null")
StringParameter	fileName (description="null")
<i>table dataset</i>	(description="Table for science data.")
<i>Metadata</i>	
<i>Int1d</i>	detnum (description="null", quantity="none")
<i>Int1d</i>	row (description="null", quantity="none")
<i>Int1d</i>	column (description="null", quantity="none")
<i>Int1d</i>	reset (description="null", quantity="none")
<i>Double2d</i>	readouts (description="null", quantity="none")
<i>table dataset</i>	(description="Status")
<i>Metadata</i>	
StringParameter	MODE (description="null")
LongParameter	DIM1 (description="Number of measures per status parameter")
LongParameter	DIM2 (description="Number of measures per status parameter")
<i>Int1d</i>	RESETINDEX (description="Indicates the reset index of the status parameter", quantity="none")
<i>Long1d</i>	OBSID (description="Identifier of the observation", quantity="none")
<i>Int1d</i>	BBID (description="Building block type", quantity="none")
<i>Int2d</i>	LBL (description="Label", quantity="none")
<i>Int2d</i>	TMP1 (description="Time 1 field - Number of microseconds since epoch 1 Jan 1958 (0 <= coarse < 2^32)", quantity="none")
<i>Int2d</i>	TMP2 (description="Time 2 field- Number of 1/65536 fractional seconds (0 <= fine < 2^16)", quantity="none")
<i>Long2d</i>	FINETIME (description="Time [microsec] since epoch 1 Jan 1958", quantity="none")
<i>Bool2d</i>	VLD (description="Validity flag set by DecMec", quantity="none")
<i>Int2d</i>	CPR (description="Chopper position", quantity="none")
<i>Int2d</i>	WPR (description="Filter wheel Position", quantity="none")
<i>Int2d</i>	GPR (description="Grating Position", quantity="none")

<i>Int2d</i>	CRCRMP (description="Readout counter within an integration ramp", quantity="none")
<i>Int2d</i>	RRR (description="Readouts in Ramp", quantity="none")
<i>Int2d</i>	CRDC (description="Current Readout counter since last time reset", quantity="none")
<i>Int2d</i>	CRECR (description="CRE status word", quantity="none")
<i>Bool2d</i>	DMCSEQACTIVE (description="Indicates if a DMC sequence executing", quantity="none")
<i>Int2d</i>	CHOPPERPLATEAU (description="Indicates the chopper plateau within a sequence", quantity="none")
<i>Int2d</i>	CALSOURCE (description="Chopper on Calibration source 1, 2 or off (0)", quantity="none")
<i>Int2d</i>	SCANDIR (description="Scan Direction", quantity="none")
<i>Bool2d</i>	WASWITCH (description="Indicates that we are in Wavelength switching", quantity="none")
<i>Int2d</i>	WASWITCHPOS (description="Give wavelength switch position (0,1,2)", quantity="none")
<i>Int2d</i>	PIX (description="PIX counter for synchronisation to SPU housekeeping (CompressedEntHeader", quantity="none")
<i>Int2d</i>	RCX (description="Raw Channel Index in CompressedEntHeader", quantity="none")
<i>Int2d</i>	RESETCNT (description="Reset counter to identify frames belonging to a", quantity="none")
<i>Int1d</i>	BLOCKIDX (description="Reference to the BlockTable entry", quantity="none")
<i>composite</i>	(description="Mask data stored in a table")
<i>Metadata</i>	
LongParameter	number of rows (description="null")
LongParameter	number of columns (description="null")
LongParameter	number of resets (description="null")
LongParameter	number of samples (description="null")
StringParameter	camName (description="Name of the Camera")
LongParameter	detRow (description="Number of detector rows")
LongParameter	detCol (description="Number of detector columns")
<i>table dataset</i>	(description="Mask data stored bit encoded in a table")
<i>Metadata</i>	
<i>Int1d</i>	detnum (description="null", quantity="none")
<i>Int1d</i>	row (description="null", quantity="none")
<i>Int1d</i>	column (description="null", quantity="none")
<i>Int1d</i>	reset (description="null", quantity="none")
<i>Int2d</i>	BLINDPIXELS (description="4 D Mask", quantity="none")

3.4.3. HPSAVGBS: Complete (Sub-) Ramps. Readouts stored in an ArrayDataset

<i>product</i> (<i>type="HPSAVGBS", description="Complete (Sub-) Ramps. Readouts stored in an Array-Dataset"</i>)	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	camName (description="Name of the Camera")
LongParameter	detRow (description="Number of detector rows")
LongParameter	detCol (description="Number of detector columns")
BooleanParameter	Initialized (description="null")
DoubleParameter	Apid (description="null")
DoubleParameter	subType (description="null")
DoubleParameter	compVersion (description="null")
DoubleParameter	algoNumber (description="null")
StringParameter	algorithm (description="null")
DoubleParameter	compNumber (description="null")
StringParameter	compMode (description="null")
DoubleParameter	dxid (description="null")
LongParameter	RELTIMEOFFSET (description="null")
StringParameter	fileName (description="null")
<i>table dataset</i>	(<i>description="Status"</i>)
<i>Metadata</i>	
StringParameter	MODE (description="null")
LongParameter	DIM1 (description="Number of measures per status parameter")
LongParameter	DIM2 (description="Number of measures per status parameter")
<i>Int1d</i>	RESETINDEX (description="Indicates the reset index of the status parameter", quantity="none")
<i>Long1d</i>	OBSID (description="Identifier of the observation", quantity="none")
<i>Int1d</i>	BBID (description="Building block type", quantity="none")
<i>Int2d</i>	LBL (description="Label", quantity="none")
<i>Int2d</i>	TMP1 (description="Time 1 field - Number of microseconds since epoch 1 Jan 1958 (0 <= coarse < 2^32)", quantity="none")
<i>Int2d</i>	

	TMP2 (description="Time 2 field- Number of 1/65536 fractional seconds (0 <= fine < 2^16)", quantity="none")
<i>Long2d</i>	FINETIME (description="Time [microsec] since epoch 1 Jan 1958", quantity="none")
<i>Bool2d</i>	VLD (description="Validity flag set by DecMec", quantity="none")
<i>Int2d</i>	CPR (description="Chopper position", quantity="none")
<i>Int2d</i>	WPR (description="Filter wheel Position", quantity="none")
<i>Int2d</i>	GPR (description="Grating Position", quantity="none")
<i>Int2d</i>	CRCRMP (description="Readout counter within an integration ramp", quantity="none")
<i>Int2d</i>	RRR (description="Readouts in Ramp", quantity="none")
<i>Int2d</i>	CRDC (description="Current Readout counter since last time reset", quantity="none")
<i>Int2d</i>	CRECR (description="CRE status word", quantity="none")
<i>Bool2d</i>	DMCSEQACTIVE (description="Indicates if a DMC sequence executing", quantity="none")
<i>Int2d</i>	CHOPPERPLATEAU (description="Indicates the chopper plateau within a sequence", quantity="none")
<i>Int2d</i>	CALSOURCE (description="Chopper on Calibration source 1, 2 or off (0)", quantity="none")
<i>Int2d</i>	SCANDIR (description="Scan Direction", quantity="none")
<i>Bool2d</i>	WASWITCH (description="Indicates that we are in Wavelength switching", quantity="none")
<i>Int2d</i>	WASWITCHPOS (description="Give wavelength switch position (0,1,2)", quantity="none")
<i>Int2d</i>	PIX (description="PIX counter for synchronisation to SPU housekeeping (CompressedEntHeader", quantity="none")
<i>Int2d</i>	RCX (description="Raw Channel Index in CompressedEntHeader", quantity="none")
<i>Int2d</i>	RESETCNT (description="Reset counter to identify frames belonging to a", quantity="none")
<i>Int1d</i>	BLOCKIDX (description="Reference to the BlockTable entry", quantity="none")
<i>Int1d</i>	DP_WHICH_OBCP (description="OBCP Number", quantity="none")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double4d</i>	(description="null", quantity="none")
<i>composite</i>	(description="Mask data stored in bit encoded arrays")
<i>Metadata</i>	
<i>LongParameter</i>	number of rows (description="null")
<i>LongParameter</i>	number of columns (description="null")
<i>LongParameter</i>	number of resets (description="null")
<i>LongParameter</i>	number of samples (description="null")
<i>StringParameter</i>	camName (description="Name of the Camera")
<i>LongParameter</i>	detRow (description="Number of detector rows")

LongParameter	detCol (description="Number of detector columns")
array dataset	(description="Mask that flags the blind pixels")
<i>Metadata</i>	
LongParameter	Mask dimension (description="null")
LongParameter	number of rows (description="null")
LongParameter	number of columns (description="null")
LongParameter	number of resets (description="null")
LongParameter	number of samples (description="null")
Int3d	(description="Mask that flags the blind pixels", quantity="none")
<i>Metadata</i>	

3.4.4. HPSAVGRS: Complete (Sub-) Ramps. Readouts stored in an ArrayDataset

<i>product (type="HPSAVGRS", description="Complete (Sub-) Ramps. Readouts stored in an Array-Dataset")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	camName (description="Name of the Camera")
LongParameter	detRow (description="Number of detector rows")
LongParameter	detCol (description="Number of detector columns")
BooleanParameter	Initialized (description="null")
DoubleParameter	Apid (description="null")
DoubleParameter	subType (description="null")
DoubleParameter	compVersion (description="null")
DoubleParameter	algoNumber (description="null")
StringParameter	algorithm (description="null")
DoubleParameter	compNumber (description="null")
StringParameter	compMode (description="null")
DoubleParameter	dxid (description="null")
LongParameter	RELTIMEOFFSET (description="null")
StringParameter	fileName (description="null")
table dataset	(description="Status")
<i>Metadata</i>	

StringParameter	MODE (description="null")
LongParameter	DIM1 (description="Number of measures per status parameter")
LongParameter	DIM2 (description="Number of measures per status parameter")
Int1d	RESETINDEX (description="Indicates the reset index of the status parameter", quantity="none")
Long1d	OBSID (description="Identifier of the observation", quantity="none")
Int1d	BBID (description="Building block type", quantity="none")
Int2d	LBL (description="Label", quantity="none")
Int2d	TMP1 (description="Time 1 field - Number of microseconds since epoch 1 Jan 1958 (0 <= coarse < 2^32)", quantity="none")
Int2d	TMP2 (description="Time 2 field- Number of 1/65536 fractional seconds (0 <= fine < 2^16)", quantity="none")
Long2d	FINETIME (description="Time [microsec] since epoch 1 Jan 1958", quantity="none")
Bool2d	VLD (description="Validity flag set by DecMec", quantity="none")
Int2d	CPR (description="Chopper position", quantity="none")
Int2d	WPR (description="Filter wheel Position", quantity="none")
Int2d	GPR (description="Grating Position", quantity="none")
Int2d	CRCRMP (description="Readout counter within an integration ramp", quantity="none")
Int2d	RRR (description="Readouts in Ramp", quantity="none")
Int2d	CRDC (description="Current Readout counter since last time reset", quantity="none")
Int2d	CRECR (description="CRE status word", quantity="none")
Bool2d	DMCSEQACTIVE (description="Indicates if a DMC sequence executing", quantity="none")
Int2d	CHOPPERPLATEAU (description="Indicates the chopper plateau within a sequence", quantity="none")
Int2d	CALSOURCE (description="Chopper on Calibration source 1, 2 or off (0)", quantity="none")
Int2d	SCANDIR (description="Scan Direction", quantity="none")
Bool2d	WASWITCH (description="Indicates that we are in Wavelength switching", quantity="none")
Int2d	WASWITCHPOS (description="Give wavelength switch position (0,1,2)", quantity="none")
Int2d	PIX (description="PIX counter for synchronisation to SPU housekeeping (CompressedEntHeader", quantity="none")
Int2d	RCX (description="Raw Channel Index in CompressedEntHeader", quantity="none")
Int2d	RESETCNT (description="Reset counter to identify frames belonging to a", quantity="none")
Int1d	BLOCKIDX (description="Reference to the BlockTable entry", quantity="none")
Int1d	DP_WHICH_OBCP (description="OBCP Number", quantity="none")
array dataset	(description="null")

<i>Metadata</i>	
<i>Double4d</i>	(description="null", quantity="none")
<i>composite</i>	(description="Mask data stored in bit encoded arrays")
<i>Metadata</i>	
LongParameter	number of rows (description="null")
LongParameter	number of columns (description="null")
LongParameter	number of resets (description="null")
LongParameter	number of samples (description="null")
StringParameter	camName (description="Name of the Camera")
LongParameter	detRow (description="Number of detector rows")
LongParameter	detCol (description="Number of detector columns")
<i>array dataset</i>	(description="Mask that flags the blind pixels")
<i>Metadata</i>	
LongParameter	Mask dimension (description="null")
LongParameter	number of rows (description="null")
LongParameter	number of columns (description="null")
LongParameter	number of resets (description="null")
LongParameter	number of samples (description="null")
<i>Int3d</i>	(description="Mask that flags the blind pixels", quantity="none")

3.5. PACS Spectroscopy Level-1 Products

3.5.1. HPS3D: PACS Cube

<i>list context (type="HPS3D", description="PACS Spectral Cube")</i>	
<i>Meta-data</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
	detRow (description="Number of detector rows")

LongParameter	
LongParameter	detCol (description="Number of detector columns")
StringParameter	camName (description="Name of the Camera")
LongParameter	relTimeOffset (description="null")
LongParameter	obsid (description="null")
StringParameter	formatVersion (description="null")
StringParameter	productNotes (description="null")
StringParameter	band (description="null")
<i>product</i>	<i>(type="HPS3D", description="PACS Spectral Cube")</i>
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
LongParameter	detRow (description="Number of detector rows")
LongParameter	detCol (description="Number of detector columns")
StringParameter	camName (description="Name of the Camera")
LongParameter	relTimeOffset (description="null")
LongParameter	obsid (description="null")
StringParameter	formatVersion (description="null")

StringParameter	productNotes (description="null")
StringParameter	band (description="null")
array dataset	(description="null")
Metadata	
Double3d	(description="null", quantity="none")
table dataset	(description="Status")
Metadata	
StringParameter	MODE (description="null")
LongParameter	DIM1 (description="Number of measures per status parameter")
Int1d	RESETINDEX (description="Indicates the reset index of the status parameter", quantity="none")
Long1d	OBSID (description="Identifier of the observation", quantity="none")
Int1d	BBID (description="Building block type", quantity="none")
Long1d	FINETIME (description="Time [microsec] since epoch 1 Jan 1958", quantity="none")
Int1d	CPR (description="Chopper position", quantity="none")
Int1d	WPR (description="Filter wheel Position", quantity="none")
Int1d	GPR (description="Grating Position", quantity="none")
Int1d	CRCRMP (description="Readout counter within an integration ramp", quantity="none")
Int1d	RRR (description="Readouts in Ramp", quantity="none")
Int1d	CRDC (description="Current Readout counter since last time reset", quantity="none")
Int1d	CRECR (description="CRE status word", quantity="none")
Bool1d	DMCSEQACTIVE (description="Indicates if a DMC sequence executing", quantity="none")
Int1d	CHOPPERPLATEAU (description="Indicates the chopper plateau within a sequence", quantity="none")
Int1d	CALSOURCE (description="Chopper on Calibration source 1, 2 or off (0)", quantity="none")
Int1d	SCANDIR (description="Scan Direction", quantity="none")
Bool1d	WASWITCH (description="Indicates that we are in Wavelength switching", quantity="none")
Int1d	WASWITCHPOS (description="Give wavelength switch position (0,1,2)", quantity="none")
Int1d	BLOCKIDX (description="Reference to the BlockTable entry", quantity="none")
String1d	BAND (description="Wavelength Band", quantity="none")
Int1d	DP_WHICH_OBCP (description="OBCP Number", quantity="none")
Double1d	CHOPFUANGLE (description="chopper angle in degrees wrt. FPU", quantity="none")
Double1d	CHOPSKYANGLE (description="chopper angle in arc mins wrt. sky", quantity="none")

<i>Double1d</i>	RaArray (description="RA", quantity="none")
<i>Double1d</i>	DecArray (description="Declination", quantity="none")
<i>Double1d</i>	PaArray (description="Position Angle", quantity="none")
<i>Double1d</i>	RaArrayErr (description="RA Error", quantity="none")
<i>Double1d</i>	DecArrayErr (description="Declination Error", quantity="none")
<i>Double1d</i>	PaArrayErr (description="Position Angle Error", quantity="none")
<i>String1d</i>	Mode (description="Pointing Mode", quantity="none")
<i>Long1d</i>	RasterLineNum (description="Pointing Raster Line Number", quantity="none")
<i>Long1d</i>	RasterColumnNum (description="Pointing Raster Column Number", quantity="none")
<i>Long1d</i>	NodCycleNum (description="Pointing Nod Cycle Number", quantity="none")
<i>Bool1d</i>	OnTarget (description="On Target flag", quantity="none")
<i>Bool1d</i>	AbPosId (description="onRaster and offRaster Nod information", quantity="none")
<i>Bool1d</i>	IsSlew (description="Slew of the Sattelite", quantity="none")
<i>Bool1d</i>	IsOffPos (description="Off Position flag", quantity="none")
<i>Long1d</i>	ScanLineNumber (description="Scan Line number", quantity="none")
<i>String1d</i>	AcmsMode (description="ACMS mode", quantity="none")
<i>String1d</i>	Aperture (description="Aperture", quantity="none")
<i>Bool1d</i>	IsAPosition (description="is A position", quantity="none")
<i>Bool1d</i>	IsBPosition (description="is B position", quantity="none")
<i>Bool1d</i>	IsOutOfField (description="Is Out of Field", quantity="none")
<i>Bool1d</i>	IsSerendipity (description="is serendipity mode", quantity="none")
<i>Int1d</i>	RollArray (description="roll", quantity="none")
<i>Int1d</i>	GRATSCAN (description="counter of grating scans", quantity="none")
<i>Int1d</i>	CHOPPER (description="or combination of CHOPPERPLATEAU and CAL-SOURCE", quantity="none")
<i>String1d</i>	CHOPPOS (description="verbal description of chopper position from cal", quantity="none")
<i>Int1d</i>	NrChopperPlateau (description="Number of valid readouts per chopper plateau", quantity="none")
<i>Int1d</i>	UnCleanChop (description="Number of discarded samples on plateau", quantity="none")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double3d</i>	(description="null", quantity="none")
<i>table dataset</i>	(description="BlockTable")
<i>Metadata</i>	
<i>StringParameter</i>	MODE (description="PACS Mode")
<i>Int1d</i>	Obcp (description="OBCP", quantity="none")
<i>Int1d</i>	DMSActive (description="Dec Mec Sequence Active", quantity="none")
<i>Int1d</i>	ChopperPlateau (description="Chopper Plateau", quantity="none")

<i>Int1d</i>	CalSource (description="Calibration Source", quantity="none")
<i>Int1d</i>	Filter (description="Filter", quantity="none")
<i>Int1d</i>	StartIdx (description="Start Index", quantity="none")
<i>Int1d</i>	EndIdx (description="End Index (NOT INCLUSIVE)", quantity="none")
<i>Int1d</i>	NrIdx (description="Number of Indexes", quantity="none")
<i>Double1d</i>	Raster (description="Raster Position", quantity="none")
<i>String1d</i>	Id (description="Block ID", quantity="none")
<i>String1d</i>	Description (description="Verbose Description", quantity="none")
<i>Int1d</i>	OnSource (description="On-Source Label", quantity="none")
<i>Int1d</i>	OffSource1 (description="First Off-Source Label", quantity="none")
<i>Int1d</i>	OffSource2 (description="Second Off-Source Label", quantity="none")
<i>Int1d</i>	ScanDir (description="Scan Direction", quantity="none")
<i>Int1d</i>	WaSwitch (description="Wavelength switch active", quantity="none")
<i>Int1d</i>	GPRMin (description="Minimum grating position", quantity="none")
<i>Int1d</i>	GPRMax (description="Maximum grating position", quantity="none")
<i>Int1d</i>	ResLen (description="Reset length", quantity="none")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Bool2d</i>	(description="null", quantity="none")
<i>compos-ite</i>	(description="Mask data stored in bit encoded arrays")
<i>Metadata</i>	
<i>LongParameter</i>	number of rows (description="null")
<i>LongParameter</i>	number of columns (description="null")
<i>LongParameter</i>	number of resets (description="null")
<i>LongParameter</i>	number of samples (description="null")
<i>StringParameter</i>	camName (description="Name of the Camera")
<i>LongParameter</i>	detRow (description="Number of detector rows")
<i>LongParameter</i>	detCol (description="Number of detector columns")
<i>array dataset</i>	(description="copied mask from Ramps object")
<i>Metadata</i>	
<i>LongParameter</i>	Mask dimension (description="null")
<i>LongParameter</i>	number of rows (description="null")
<i>LongParameter</i>	number of columns (description="null")
<i>LongParameter</i>	number of resets (description="null")
<i>LongParameter</i>	number of samples (description="null")
<i>Int3d</i>	(description="copied mask from Ramps object", quantity="none")
<i>array dataset</i>	(description="copied mask from Ramps object")
<i>Metadata</i>	
<i>LongParameter</i>	Mask dimension (description="null")

LongParameter	number of rows (description="null")
LongParameter	number of columns (description="null")
LongParameter	number of resets (description="null")
LongParameter	number of samples (description="null")
<i>Int3d</i>	(description="copied mask from Ramps object", quantity="none")
<i>array dataset</i>	(description="copied mask from Ramps object")
<i>Metadata</i>	
LongParameter	Mask dimension (description="null")
LongParameter	number of rows (description="null")
LongParameter	number of columns (description="null")
LongParameter	number of resets (description="null")
LongParameter	number of samples (description="null")
<i>Int3d</i>	(description="copied mask from Ramps object", quantity="none")
<i>array dataset</i>	(description="copied mask from Ramps object")
<i>Metadata</i>	
LongParameter	Mask dimension (description="null")
LongParameter	number of rows (description="null")
LongParameter	number of columns (description="null")
LongParameter	number of resets (description="null")
LongParameter	number of samples (description="null")
<i>Int3d</i>	(description="copied mask from Ramps object", quantity="none")
<i>array dataset</i>	(description="copied mask from Ramps object")
<i>Metadata</i>	
LongParameter	Mask dimension (description="null")
LongParameter	number of rows (description="null")
LongParameter	number of columns (description="null")
LongParameter	number of resets (description="null")
LongParameter	number of samples (description="null")
<i>Int3d</i>	(description="copied mask from Ramps object", quantity="none")
<i>array dataset</i>	(description="copied mask from Ramps object")
<i>Metadata</i>	
LongParameter	Mask dimension (description="null")
LongParameter	number of rows (description="null")
LongParameter	number of columns (description="null")
LongParameter	number of resets (description="null")
LongParameter	number of samples (description="null")
<i>Int3d</i>	(description="copied mask from Ramps object", quantity="none")
<i>array dataset</i>	(description="copied mask from Ramps object")

<i>Metadata</i>	
LongParameter	Mask dimension (description="null")
LongParameter	number of rows (description="null")
LongParameter	number of columns (description="null")
LongParameter	number of resets (description="null")
LongParameter	number of samples (description="null")
<i>Int3d</i>	(description="copied mask from Ramps object", quantity="none")
<i>array dataset</i>	(description="the ramp fit failed at these detectors")
<i>Metadata</i>	
LongParameter	Mask dimension (description="null")
LongParameter	number of rows (description="null")
LongParameter	number of columns (description="null")
LongParameter	number of resets (description="null")
LongParameter	number of samples (description="null")
<i>Int3d</i>	(description="the ramp fit failed at these detectors", quantity="none")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double3d</i>	(description="null", quantity="none")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double3d</i>	(description="null", quantity="none")
<i>compos- ite</i>	(description="History of product")
<i>Metadata</i>	
LongParameter	id (description="Unique ID")
<i>table dataset</i>	(description="History as Jython script")
<i>Metadata</i>	
StringParameter	outvar (description="last output variable")
<i>StringId</i>	Lines (description="script lines", quantity="none")
<i>table dataset</i>	(description="History of tasks")
<i>Metadata</i>	
<i>LongId</i>	ID (description="Links the parameter and task table", quantity="none")
<i>StringId</i>	Name (description="The name of the task", quantity="none")
<i>LongId</i>	ExecDate (description="Time of execution (FINETIME)", quantity="none")
<i>BoolId</i>	Succeeded (description="Flag for success/failed", quantity="none")
<i>LongId</i>	HistoryId (description="Id of current history", quantity="none")
<i>table dataset</i>	(description="The parameters belonging to the task history")
<i>Metadata</i>	
<i>LongId</i>	TaskID (description="Links the parameter and task table", quantity="none")
<i>StringId</i>	Name (description="The name of the parameter", quantity="none")

<i>StringId</i>	Type (description="Type of parameter", quantity="none")
<i>StringId</i>	Value (description="String representation of the parameter value", quantity="none")
<i>BoolId</i>	IsDefault (description="True if the default value has been used", quantity="none")
<i>LongId</i>	IncHistoryId (description="ID of the history of an included product", quantity="none")
<i>IntId</i>	IncNumTask (description="Number of tasks to include from history", quantity="none")
<i>LongId</i>	HistoryId (description="Id of current history", quantity="none")
<i>BoolId</i>	UserInput (description="Needs user input", quantity="none")

3.6. PACS Spectroscopy Level-2 Products

Chapter 4. PACS Calibration Products

4.1. PACS Common Calibration History Products

4.1.1. ChopperAngle

<i>product</i> (type="ChopperAngle", description="Chopper position readout versus chopper angle calibration")	
<i>Meta-data</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Date of file creation")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start time of this product")
DateParameter	endDate (description="End time of this product")
StringParameter	calFileId (description="Calfile type identifier")
StringParameter	formatVersion (description="Calfile format version")
LongParameter	calFileVersion (description="Calfile version")
StringParameter	author (description="Author of the data")
StringParameter	fileName (description="null")
<i>array dataset</i>	(description="FP I Voltage readback")
<i>Metadata</i>	
<i>DoubleId</i>	(description="FP I Voltage readback", quantity="none")
<i>array dataset</i>	(description="Deflection angle")
<i>Metadata</i>	
<i>DoubleId</i>	(description="Deflection angle", quantity="none")
	(description="zero offset corrected FP I Voltage readback")

<i>array dataset</i>	
<i>Metadata</i>	
<i>DoubleId</i>	(description="zero offset corrected FP I Voltage readback", quantity="none")
<i>array dataset</i>	(description="zero offset corrected deflection angle")
<i>Metadata</i>	
<i>DoubleId</i>	(description="zero offset corrected deflection angle", quantity="none")
<i>array dataset</i>	(description="Zeiss amplification factor")
<i>Metadata</i>	
<i>DoubleId</i>	(description="Zeiss amplification factor", quantity="none")
<i>array dataset</i>	(description="CSL amplification factor")
<i>Metadata</i>	
<i>DoubleId</i>	(description="CSL amplification factor", quantity="none")
<i>array dataset</i>	(description="Zero point offset")
<i>Metadata</i>	
<i>DoubleId</i>	(description="Zero point offset", quantity="none")
<i>array dataset</i>	(description="conversion factor to convert decmec readouts to voltages")
<i>Metadata</i>	
<i>DoubleId</i>	(description="conversion factor to convert decmec readouts to voltages", quantity="none")
<i>array dataset</i>	(description="3 deflection angle ranges of polynomial fits (Science, Calibration w")
<i>Metadata</i>	
<i>DoubleId</i>	(description="3 deflection angle ranges of polynomial fits (Science, Calibration w", quantity="none")
<i>array dataset</i>	(description="fitted polynomial coefficients of calibration window for conversion")
<i>Metadata</i>	
<i>DoubleId</i>	(description="fitted polynomial coefficients of calibration window for conversion", quantity="none")
<i>array dataset</i>	(description="fitted polynomial coefficients of calibration window for conversion")
<i>Metadata</i>	
<i>DoubleId</i>	(description="fitted polynomial coefficients of calibration window for conversion", quantity="none")
<i>array dataset</i>	(description="fitted polynomial coefficients of science window for conversion volt")
<i>Metadata</i>	
<i>DoubleId</i>	(description="fitted polynomial coefficients of science window for conversion volt", quantity="none")

<i>array dataset</i>	(<i>description="fitted polynomial coefficients of calibration window for conversion"</i>)
<i>Metadata</i>	
<i>DoubleId</i>	(<i>description="fitted polynomial coefficients of calibration window for conversion", quantity="none"</i>)
<i>array dataset</i>	(<i>description="fitted polynomial coefficients of calibration window for conversion"</i>)
<i>Metadata</i>	
<i>DoubleId</i>	(<i>description="fitted polynomial coefficients of calibration window for conversion", quantity="none"</i>)
<i>array dataset</i>	(<i>description="fitted polynomial coefficients of science window for conversion angl"</i>)
<i>Metadata</i>	
<i>DoubleId</i>	(<i>description="fitted polynomial coefficients of science window for conversion angl", quantity="none"</i>)

4.1.2. ChopperAngleRedundant

<i>product (type="ChopperAngleRedundant", description="Chopper position readout versus chopper angle calibration for redundant chopper")</i>	
<i>Meta- data</i>	
<i>StringPa- rameter</i>	<i>type (description="Product Type Identification")</i>
<i>StringPa- rameter</i>	<i>creator (description="Generator of this product")</i>
<i>DatePa- rameter</i>	<i>creationDate (description="Date of file creation")</i>
<i>StringPa- rameter</i>	<i>description (description="Name of this product")</i>
<i>StringPa- rameter</i>	<i>instrument (description="Instrument attached to this product")</i>
<i>StringPa- rameter</i>	<i>modelName (description="Model name attached to this product")</i>
<i>DatePa- rameter</i>	<i>startDate (description="Start date of this product")</i>
<i>DatePa- rameter</i>	<i>endDate (description="End date of this product")</i>
<i>StringPa- rameter</i>	<i>calFileId (description="null")</i>
<i>StringPa- rameter</i>	<i>formatVersion (description="Calfile format version")</i>
<i>LongPa- rameter</i>	<i>calFileVersion (description="Calfile version")</i>
<i>StringPa- rameter</i>	<i>author (description="Author of the data")</i>
	<i>fileName (description="null")</i>

StringParameter	
array dataset	(description="FP II Voltage readback")
Metadata	
DoubleId	(description="FP II Voltage readback", quantity="none")
array dataset	(description="Deflection angle")
Metadata	
DoubleId	(description="Deflection angle", quantity="none")
array dataset	(description="zero offset corrected FP II Voltage readback")
Metadata	
DoubleId	(description="zero offset corrected FP II Voltage readback", quantity="none")
array dataset	(description="zero offset corrected deflection angle")
Metadata	
DoubleId	(description="zero offset corrected deflection angle", quantity="none")
array dataset	(description="Zeiss amplification factor")
Metadata	
DoubleId	(description="Zeiss amplification factor", quantity="none")
array dataset	(description="CSL amplification factor")
Metadata	
DoubleId	(description="CSL amplification factor", quantity="none")
array dataset	(description="Zero point offset")
Metadata	
DoubleId	(description="Zero point offset", quantity="none")
array dataset	(description="conversion factor to convert decmec readouts to voltages")
Metadata	
DoubleId	(description="conversion factor to convert decmec readouts to voltages", quantity="none")
array dataset	(description="3 deflection angle ranges of polynomial fits (Science, Calibration w)")
Metadata	
DoubleId	(description="3 deflection angle ranges of polynomial fits (Science, Calibration w)", quantity="none")
array dataset	(description="fitted polynomial coefficients of calibration window for conversion")
Metadata	
DoubleId	(description="fitted polynomial coefficients of calibration window for conversion", quantity="none")

array dataset	(description="fitted polynomial coefficients of calibration window for conversion")
Metadata	
DoubleId	(description="fitted polynomial coefficients of calibration window for conversion", quantity="none")
array dataset	(description="fitted polynomial coefficients of science window for conversion volt")
Metadata	
DoubleId	(description="fitted polynomial coefficients of science window for conversion volt", quantity="none")
array dataset	(description="fitted polynomial coefficients of calibration window for conversion")
Metadata	
DoubleId	(description="fitted polynomial coefficients of calibration window for conversion", quantity="none")
array dataset	(description="fitted polynomial coefficients of calibration window for conversion")
Metadata	
DoubleId	(description="fitted polynomial coefficients of calibration window for conversion", quantity="none")
array dataset	(description="fitted polynomial coefficients of science window for conversion angl")
Metadata	
DoubleId	(description="fitted polynomial coefficients of science window for conversion angl", quantity="none")

4.1.3. ChopperJitterThreshold

<i>product (type="ChopperJitterThreshold", description="Defines the thresholds in position readouts for the required accuracy of the final chopper positions for the science and calibration window")</i>	
Metadata	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Date of file creation")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start time of this product")
DateParameter	endDate (description="End time of this product")
StringParameter	calFileId (description="Product Type Identification")
StringParameter	formatVersion (description="Calfile format version")
LongParameter	calFileVersion (description="Calfile version")
StringParameter	author (description="Author of the data")
StringParameter	fileName (description="null")
	(description="specified position accuracy threshold for a plateaux in calibration")

<i>array dataset</i>	
<i>Metadata</i>	
<i>DoubleId</i>	(description="specified position accuracy threshold for a plateaux in calibration", quantity="none")
<i>array dataset</i>	(description="specified position accuracy threshold for a plateaux in science wind")
<i>Metadata</i>	
<i>DoubleId</i>	(description="specified position accuracy threshold for a plateaux in science wind", quantity="none")

4.1.4. ChopperSkyAngle

<i>product (type="ChopperSkyAngle", description="Conversion factor for chopper physical deflection angle (degrees) to angle on sky (arcmin), and zero offset between mechanical and optical zero")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	calFileId (description="null")
StringParameter	formatVersion (description="Calfile Format version")
StringParameter	fileName (description="null")
LongParameter	calFileVersion (description="null")
StringParameter	author (description="Author of the data")
<i>array dataset</i>	(description="zero offset between mechanical and optical zero")
<i>Metadata</i>	
<i>IntId</i>	(description="zero offset between mechanical and optical zero", quantity="none")
<i>array dataset</i>	(description="conversion factor from chopper deflection (degrees) to angle on sky&")
<i>Metadata</i>	
<i>DoubleId</i>	(description="conversion factor from chopper deflection (degrees) to angle on sky&", quantity="none")

4.1.5. FilterWheel2Band

product (type="FilterWheel2Band", description="Defines the wheel position (wpr) readout to band conversion")

<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Date of file creation")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start time of this product")
DateParameter	endDate (description="End time of this product")
StringParameter	calFileId (description="null")
StringParameter	formatVersion (description="Calfile format version")
LongParameter	calFileVersion (description="Calfile version")
StringParameter	author (description="Author of the data")
StringParameter	fileName (description="null")
<i>table dataset</i>	(description="FilterWheel to Band Conversion")
<i>Metadata</i>	
<i>IntId</i>	wpr (description="0.0 1", quantity="none")
<i>StringId</i>	band (description="0.0 1", quantity="none")
<i>StringId</i>	camera (description="0.0 1", quantity="none")
<i>StringId</i>	description (description="0.0 1", quantity="none")

4.1.6. ObcpDescription

<i>product (type="ObcpDescription", description="Holds a description of the OBCP and DecMec Sequences, and the blocks which they contain")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	calFileId (description="Filename used for saving FITS file")
LongParameter	calFileVersion (description="Calfile version")
StringParameter	formatVersion (description="Calfile Format version")
StringParameter	fileName (description="null")
StringParameter	author (description="null")
<i>table dataset</i>	(description="OBCP and DMCS Description")
<i>Metadata</i>	

	<i>IntId</i>	OBCPNumber (description="OBCP Number", quantity="none")
	<i>StringId</i>	OBCPDescription (description="OBCP Description", quantity="none")
	<i>IntId</i>	DMCSNumber (description="DMC Sequence Number", quantity="none")
	<i>StringId</i>	DMCSDescription (description="DMC Sequence Description", quantity="none")
<i>table dataset</i>	(description="OBCP Block descriptions")	
<i>Metadata</i>		
	<i>IntId</i>	OBCPNumber (description="OBCP Number", quantity="none")
	<i>StringId</i>	BlockId (description="Block ID", quantity="none")
	<i>StringId</i>	BlockDesc (description="Block Description", quantity="none")
	<i>BoolId</i>	IsSpec (description="True if it is a Spectrometer OBCP", quantity="none")
	<i>StringId</i>	Labels (description="Identification Labels", quantity="none")

4.1.7. Siam

<i>product (type="Siam", description="Spacecraft-Instrument alignment matrices")</i>		
<i>Metadata</i>		
StringParameter	type	(description="Product Type Identification")
StringParameter	creator	(description="Generator of this product")
DateParameter	creationDate	(description="Date of file creation")
StringParameter	description	(description="Name of this product")
StringParameter	instrument	(description="Instrument attached to this product")
StringParameter	modelName	(description="Model name attached to this product")
DateParameter	startDate	(description="Start time of this product")
DateParameter	endDate	(description="End time of this product")
StringParameter	calFileId	(description="Calfile type identifier")
StringParameter	formatVersion	(description="Calfile format version")
LongParameter	calFileVersion	(description="null")
StringParameter	author	(description="Author of the data")
StringParameter	fileName	(description="null")
StringParameter	starTracker	(description="Active Star-tracker ID")
<i>array dataset</i>	(description="Photometer SIAM")	
<i>Metadata</i>		
StringParameter	apertureId	(description="Aperture identifier")
DateParameter	validityStart	(description="Start of calibration validity")
LongParameter	nSaa	(description="Number of reference Solar Aspect Angles")
<i>Double2d</i>	(description="Photometer SIAM", quantity="none")	
<i>array dataset</i>	(description="Photometer SIAM")	

<i>Metadata</i>	
StringParameter	apertureId (description="Aperture identifier")
DateParameter	validityStart (description="Start of calibration validity")
LongParameter	nSaa (description="Number of reference Solar Aspect Angles")
<i>Double2d</i>	(description="Photometer SIAM", quantity="none")

4.1.8. TimeDependency

<i>product (type="TimeDependency", description="Defines time dependency for calibration products.")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	calFileId (description="Calfile Type identifier")
StringParameter	formatVersion (description="Calfile Format version")
LongParameter	calFileVersion (description="Calfile version")
StringParameter	scope (description="null")
StringParameter	fileName (description="Filename used for saving FITS file")
StringParameter	author (description="null")
StringParameter	versionNotes (description="null")
<i>table dataset</i>	<i>(description="Time Dependency Table for FM")</i>
<i>Metadata</i>	
StringParameter	modelName (description="The instrument model name")
DateParameter	lastUpdated (description="null")
StringParameter	lastUpdatedBy (description="null")
StringParameter	scope (description="scope can take values of BASE, TEST, or PRIVATE")
<i>StringId</i>	type (description="null", quantity="none")
<i>StringId</i>	unit (description="null", quantity="none")
<i>LongId</i>	time (description="null", quantity="none")
<i>LongId</i>	version (description="null", quantity="none")
<i>StringId</i>	comment (description="null", quantity="none")

4.2. PACS Photometer Calibration Products

4.2.1. Absorption

<i>product (type="Absorption", description="Absorption values Photometer")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Date of file creation")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	calFileId (description="Calfile type identifier")
StringParameter	formatVersion (description="Calfile format version")
LongParameter	calFileVersion (description="Calfile version")
StringParameter	author (description="Author of the data")
StringParameter	bands (description="PACS band")
StringParameter	fileName (description="null")
<i>array dataset</i>	<i>(description="null")</i>
<i>Metadata</i>	
<i>FloatId</i>	<i>(description="null", quantity="none")</i>
<i>array dataset</i>	<i>(description="null")</i>
<i>Metadata</i>	
<i>FloatId</i>	<i>(description="null", quantity="none")</i>

4.2.2. ArrayInstrument

<i>product (type="ArrayInstrument", description="Array to Instrument coordinate conversion")</i>	
<i>Metada- ta</i>	
StringPa- rameter	type (description="Product Type Identification")
StringPa- rameter	creator (description="Generator of this product")
DateParame- ter	creationDate (description="Date of file creation")
StringPa- rameter	description (description="Name of this product")
StringPa- rameter	instrument (description="Instrument attached to this product")

StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	calFileId (description="Calfile type identifier")
StringParameter	formatVersion (description="Calfile format version")
LongParameter	calFileVersion (description="Calfile version")
StringParameter	author (description="Author of the data")
StringParameter	fileName (description="null")
array dataset	(description="Maximum polynomial orders for y (blue)")
Metadata	
Int1d	(description="Maximum polynomial orders for y (blue)", quantity="none")
array dataset	(description="Cube with coefficients for y (blue)")
Metadata	
Double3d	(description="Cube with coefficients for y (blue)", quantity="none")
array dataset	(description="Maximum polynomial orders for z (blue)")
Metadata	
Int1d	(description="Maximum polynomial orders for z (blue)", quantity="none")
array dataset	(description="Cube with coefficients for z (blue)")
Metadata	
Double3d	(description="Cube with coefficients for z (blue)", quantity="none")
array dataset	(description="Maximum polynomial orders for y (red)")
Metadata	
Int1d	(description="Maximum polynomial orders for y (red)", quantity="none")
array dataset	(description="Cube with coefficients for y (red)")
Metadata	
Double3d	(description="Cube with coefficients for y (red)", quantity="none")
array dataset	(description="Maximum polynomial orders for z (red)")
Metadata	
Int1d	(description="Maximum polynomial orders for z (red)", quantity="none")
array dataset	(description="Cube with coefficients for z (red)")

<i>Metadata</i>	
<i>Double3d</i>	(description="Cube with coefficients for z (red)", quantity="none")

4.2.3. BadPixelMask

<i>product (type="BadPixelMask", description="Bad pixels mask for PACS Photometer")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Date of file creation")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="null")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	calFileId (description="Calfile type identifier")
StringParameter	formatVersion (description="Calfile format version")
LongParameter	calFileVersion (description="null")
StringParameter	author (description="Author of the data")
StringParameter	fileName (description="null")
StringParameter	productNotes (description="null")
StringParameter	versionNotes (description="null")
<i>array dataset</i>	<i>(description="Bad Pixels mask for the Red Photometer")</i>
<i>Metadata</i>	
<i>Bool2d</i>	<i>(description="Bad Pixels mask for the Red Photometer", quantity="none")</i>
<i>array dataset</i>	<i>(description="Bad Pixels mask for the Blue Photometer")</i>
<i>Metadata</i>	
<i>Bool2d</i>	<i>(description="Bad Pixels mask for the Blue Photometer", quantity="none")</i>
<i>array dataset</i>	<i>(description="null")</i>
<i>Metadata</i>	
<i>Bool2d</i>	<i>(description="null", quantity="none")</i>

4.2.4. CalSources

<i>product (type="CalSources", description="Flux per pixel from the internal calibration sources (CSs) in the blue and red channel")</i>	
<i>Metada- ta</i>	
StringParame- ter	type (description="Product Type Identification")

StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Date of file creation")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="null")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	calFileId (description="Calfile type identifier")
StringParameter	formatVersion (description="Calfile format version")
StringParameter	calFileVersion (description="Calfile version")
StringParameter	author (description="Author of the data")
StringParameter	fileName (description="Calibration product fits filename")
LongParameter	calFileVersion (description="Calfile version")
array dataset	(description="CSs image cube through 70 microns filter")
Metadata	
Double3d	(description="CSs image cube through 70 microns filter", quantity="none")
array dataset	(description="Chopper positions of CSs70")
Metadata	
Int1d	(description="Chopper positions of CSs70", quantity="none")
array dataset	(description="CSs image cube through 100 microns filter")
Metadata	
Double3d	(description="CSs image cube through 100 microns filter", quantity="none")
array dataset	(description="Chopper positions of CSs100")
Metadata	
Int1d	(description="Chopper positions of CSs100", quantity="none")
array dataset	(description="CSs image cube through 160 microns filter")
Metadata	
Double3d	(description="CSs image cube through 160 microns filter", quantity="none")

<i>array dataset</i>	(description="Chopper positions of CSs160")
<i>Metadata</i>	
<i>IntId</i>	(description="Chopper positions of CSs160", quantity="none")

4.2.5. CorrZeroLevel

<i>product (type="CorrZeroLevel", description="Zero-level correction for PACS Photometer.")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Date of file creation")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start time of this product")
DateParameter	endDate (description="End time of this product")
StringParameter	calFileId (description="Calfile type identifier")
StringParameter	formatVersion (description="Calfile format version")
LongParameter	calFileVersion (description="Calfile version")
StringParameter	author (description="Author of the data")
StringParameter	fileName (description="null")
<i>array dataset</i>	(description="Zero-level for the Red Photometer")
<i>Metadata</i>	
<i>Float2d</i>	(description="Zero-level for the Red Photometer", quantity="none")
<i>array dataset</i>	(description="Zero-level corr for the Blue Photometer")
<i>Metadata</i>	
<i>Float2d</i>	(description="Zero-level corr for the Blue Photometer", quantity="none")

4.2.6. CrosstalkMatrix

<i>product (type="CrosstalkMatrix", description="Photometer Crosstalk matrix for red and blue channel")</i>	
<i>Metadata</i>	
StringParameter	type (description="Photometer Crosstalk Matrix")
StringParameter	creator (description="creator of this calfile")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="description of this calfile")
StringParameter	instrument (description="null")
StringParameter	modelName (description="null")

DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
LongParameter	creationDate_ILLEGAL_FORMAT (description="Date of file creation")
StringParameter	calFileId (description="Photometer Crosstalk Matrix")
StringParameter	formatVersion (description="Calfile format version")
LongParameter	calFileVersion (description="Calfile version")
StringParameter	author (description="Author of Data")
StringParameter	fileName (description="Calfile product fits filename")
array dataset	(description="Photometer Crosstalk matrix for red channel")
Metadata	
Double2d	(description="Photometer Crosstalk matrix for red channel", quantity="none")
array dataset	(description="Photometer Crosstalk matrix for blue channel")
Metadata	
Double2d	(description="Photometer Crosstalk matrix for blue channel", quantity="none")

4.2.7. DetectorSortMatrix

<i>product (type="DetectorSortMatrix", description="Detector sorting matrices for the red and blue photometer.")</i>	
Metadata	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Date of file creation")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start time of this product")
DateParameter	endDate (description="End time of this product")
StringParameter	calFileId (description="Calfile type identifier")
StringParameter	formatVersion (description="Calfile format version")
LongParameter	calFileVersion (description="Calfile version")
StringParameter	author (description="Author of the data")
StringParameter	fileName (description="Calibration product fits file")
array dataset	(description="null")
Metadata	
Int2d	(description="null", quantity="none")
array dataset	(description="null")
Metadata	
Int2d	(description="null", quantity="none")

4.2.8. DiffCS

<i>product (type="DiffCS", description="dCSRef, CS1-CS2 used as reference")</i>	
<i>Meta-</i>	
<i>data</i>	
StringParameter	type (description="null")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="null")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	fileName (description="null")
StringParameter	calfileId (description="null")
LongParameter	calFileVersion (description="null")
StringParameter	formatVersion (description="null")
StringParameter	productNotes (description="null")
StringParameter	versionNotes (description="null")
StringParameter	channel (description="channel(s) stored")
StringParameter	author (description="null")
StringParameter	calFileId (description="null")
<i>compos-</i>	<i>(description="red")</i>
<i>ite</i>	
<i>Metadata</i>	
DoubleParameter	cs1CPR (description="chopper position unit=(CU)")
DoubleParameter	cs1Bias (description=" VH-VL , unit=V")
StringParameter	Mode (description="{Direct,DDCS}")
DoubleParameter	cs1Gain (description="{0=high,1=low}, unit=none")

DoubleParameter	cs1Temperature (description="unit=Kelvin")
DateParameter	cs1Time (description="date")
DoubleParameter	cs2CPR (description="chopper position unit=(CU)")
DoubleParameter	cs2Bias (description=" VH-VL , unit=V")
DoubleParameter	cs2Gain (description="{0=high,1=low}, unit=none")
DoubleParameter	cs2Temperature (description="unit=Kelvin")
DateParameter	cs2Time (description="date")
array dataset	(description="CS1-CS2, unit=V")
Metadata	
Double2d	(description="CS1-CS2, unit=V", quantity="V")
array dataset	(description="CS1-CS2 noise, unit=V")
Metadata	
Double2d	(description="CS1-CS2 noise, unit=V", quantity="V")
composite	(description="blue")
Metadata	
DoubleParameter	cs1CPR (description="chopper position unit=(CU)")
DoubleParameter	cs1Bias (description=" VH-VL , unit=V")
StringParameter	Mode (description="{Direct,DDCS}")
DoubleParameter	cs1Gain (description="{0=high,1=low}, unit=none")
DoubleParameter	cs1Temperature (description="unit=Kelvin")
DateParameter	cs1Time (description="date")
DoubleParameter	cs2CPR (description="chopper position unit=(CU)")
DoubleParameter	cs2Bias (description=" VH-VL , unit=V")
DoubleParameter	cs2Gain (description="{0=high,1=low}, unit=none")
DoubleParameter	cs2Temperature (description="unit=Kelvin")
DateParameter	cs2Time (description="date")
array dataset	(description="CS1-CS2, unit=V")
Metadata	
Double2d	(description="CS1-CS2, unit=V", quantity="V")
array dataset	(description="CS1-CS2 noise, unit=V")
Metadata	
Double2d	(description="CS1-CS2 noise, unit=V", quantity="V")
composite	(description="green")
Metadata	
DoubleParameter	cs1CPR (description="chopper position unit=(CU)")
DoubleParameter	cs1Bias (description=" VH-VL , unit=V")
StringParameter	Mode (description="{Direct,DDCS}")
DoubleParameter	cs1Gain (description="{0=high,1=low}, unit=none")
DoubleParameter	cs1Temperature (description="unit=Kelvin")
DateParameter	cs1Time (description="date")

DoubleParameter	cs2CPR (description="chopper position unit=(CU)")
DoubleParameter	cs2Bias (description=" VH-VL , unit=V")
DoubleParameter	cs2Gain (description="{0=high,1=low }, unit=none")
DoubleParameter	cs2Temperature (description="unit=Kelvin")
DateParameter	cs2Time (description="date")
<i>array dataset</i>	(description="CS1-CS2, unit=V")
<i>Metadata</i>	
<i>Double2d</i>	(description="CS1-CS2, unit=V", quantity="V")
<i>array dataset</i>	(description="CS1-CS2 noise, unit=V")
<i>Metadata</i>	
<i>Double2d</i>	(description="CS1-CS2 noise, unit=V", quantity="V")

4.2.9. FilterTransmission

<i>product</i> (type="FilterTransmission", description="FilterTransmission")	
<i>Metadata</i>	
StringParameter	type (description="null")
StringParameter	creator (description="null")
DateParameter	creationDate (description="Date of file creation")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="null")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	calFileId (description="null")
LongParameter	calFileVersion (description="null")
StringParameter	author (description="null")
StringParameter	formatVersion (description="null")
StringParameter	bands (description="PACS band")
StringParameter	fileName (description="null")
StringParameter	title (description="null")
StringParameter	productNotes (description="null")
StringParameter	versionNotes (description="null")
<i>table dataset</i>	(description="Filter transmission")
<i>Metadata</i>	
DoubleParameter	incidentAngleX (description="Euler X angle(deg) of incident ray in instrument frame (ZY=plane filter)")
DoubleParameter	incidentAngleY (description="Euler Y angle(deg) of incident ray in instrument frame (ZY=plane filter)")
DoubleParameter	incidentAngleZ (description="Euler Z angle(deg) of incident ray in instrument frame (ZY=plane filter)")
StringParameter	band (description="Filter band")

StringParameter	sourceFile (description="Source file used to build this transmission")
Float1d	transmission (description="Wavelengths", quantity="")
Float1d	wavelength (description="Transmission", quantity="micron [1.0E-6 m]")
table dataset	(description="Filter transmission")
Metadata	
DoubleParameter	incidentAngleX (description="Euler X angle(deg) of incident ray in instrument frame (ZY=plane filter)")
DoubleParameter	incidentAngleY (description="Euler Y angle(deg) of incident ray in instrument frame (ZY=plane filter)")
DoubleParameter	incidentAngleZ (description="Euler Z angle(deg) of incident ray in instrument frame (ZY=plane filter)")
StringParameter	band (description="Filter band")
StringParameter	sourceFile (description="Source file used to build this transmission")
Float1d	transmission (description="Wavelengths", quantity="")
Float1d	wavelength (description="Transmission", quantity="micron [1.0E-6 m]")
table dataset	(description="Filter transmission")
Metadata	
DoubleParameter	incidentAngleX (description="Euler X angle(deg) of incident ray in instrument frame (ZY=plane filter)")
DoubleParameter	incidentAngleY (description="Euler Y angle(deg) of incident ray in instrument frame (ZY=plane filter)")
DoubleParameter	incidentAngleZ (description="Euler Z angle(deg) of incident ray in instrument frame (ZY=plane filter)")
StringParameter	band (description="Filter band")
StringParameter	sourceFile (description="Source file used to build this transmission")
Float1d	transmission (description="Wavelengths", quantity="")
Float1d	wavelength (description="Transmission", quantity="micron [1.0E-6 m]")

4.2.10. FlatField

<i>product (type="FlatField", description="Flat field for Bolometer")</i>	
Metadata	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")

StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
LongParameter	calFileVersion (description="null")
StringParameter	author (description="null")
StringParameter	fileName (description="null")
StringParameter	calFileId (description="CalFile Type identifier")
StringParameter	formatVersion (description="Calfile Format Version")
StringParameter	productNotes (description="null")
StringParameter	versionNotes (description="null")
compos- ite	(description="Flat field for red channel")
Metadata	
DoubleParameter	MeanFlux (description="<f1-f2>; unit=Jy/px")
DoubleParameter	DeltaFlux (description=" F1-F2 ; unit=Jy/px")
StringParameter	Summary (description="Flat field building context")
DateParameter	CreationDate (description="Creation date")
LongParameter	Obsid (description="obsid")
array dataset	(description="FlatField dimensionless")
Metadata	
Double2d	(description="FlatField dimensionless", quantity="")
array dataset	(description="Noise dimensionsless")
Metadata	
Double2d	(description="Noise dimensionsless", quantity="")
compos- ite	(description="Flat field for blue channel")
Metadata	
DoubleParameter	MeanFlux (description="<f1-f2>; unit=Jy/px")
DoubleParameter	DeltaFlux (description=" F1-F2 ; unit=Jy/px")
StringParameter	Summary (description="Flat field building context")
DateParameter	CreationDate (description="Creation date")
LongParameter	Obsid (description="obsid")
array dataset	(description="FlatField dimensionless")
Metadata	
Double2d	(description="FlatField dimensionless", quantity="")

<i>array dataset</i>	(description="Noise dimensionsless")
<i>Metadata</i>	
<i>Double2d</i>	(description="Noise dimensionsless", quantity="")
<i>compos- ite</i>	(description="Flat field for green channel")
<i>Metadata</i>	
<i>DoubleParameter</i>	MeanFlux (description="<f1-f2>; unit=Jy/px")
<i>DoubleParameter</i>	DeltaFlux (description=" F1-F2 ; unit=Jy/px")
<i>StringParameter</i>	Summary (description="Flat field building context")
<i>DateParameter</i>	CreationDate (description="Creation date")
<i>LongParameter</i>	Obsid (description="obsid")
<i>array dataset</i>	(description="FlatField dimensionless")
<i>Metadata</i>	
<i>Double2d</i>	(description="FlatField dimensionless", quantity="")
<i>array dataset</i>	(description="Noise dimensionsless")
<i>Metadata</i>	
<i>Double2d</i>	(description="Noise dimensionsless", quantity="")

4.2.11. Gain

<i>product (type="Gain", description="Photometer Gain parameters for Digits to Volts conversion")</i>	
<i>Metadata</i>	
<i>StringParameter</i>	type (description="Product Type Identification")
<i>StringParameter</i>	creator (description="Generator of this product")
<i>DateParameter</i>	creationDate (description="Date of file creation")
<i>StringParameter</i>	description (description="Name of this product")
<i>StringParameter</i>	instrument (description="Instrument attached to this product")
<i>StringParameter</i>	modelName (description="Model name attached to this product")
<i>DateParameter</i>	startDate (description="Start time of this product")
<i>DateParameter</i>	endDate (description="End time of this product")
<i>StringParameter</i>	calFileId (description="Calfile type identifier")
<i>StringParameter</i>	formatVersion (description="Calfile format version")
<i>LongParameter</i>	calFileVersion (description="Calfile version")
<i>StringParameter</i>	author (description="Author of the data")
<i>StringParameter</i>	fileName (description="null")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double1d</i>	(description="null", quantity="none")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	

<i>DoubleId</i>	(description="null", quantity="none")

4.2.12. Invntt

<i>product (type="Invntt", description="Noise2Noise correlation for MadMap")</i>	
<i>Metadata</i>	
StringParameter	type (description="null")
StringParameter	creator (description="null")
DateParameter	creationDate (description="Date of file creation")
StringParameter	description (description="null")
StringParameter	instrument (description="null")
StringParameter	modelName (description="null")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	calFileId (description="null")
StringParameter	formatVersion (description="Calfile format version")
LongParameter	calFileVersion (description="null")
StringParameter	author (description="Author of the data")
StringParameter	fileName (description="null")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double2d</i>	(description="null", quantity="none")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>IntId</i>	(description="null", quantity="none")

4.2.13. InvnttBL

<i>product (type="InvnttBL", description="BL band inverse noise time-time correlation for MadMap")</i>	
<i>Metadata</i>	
StringParameter	type (description="null")
StringParameter	creator (description="null")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="null")
StringParameter	instrument (description="null")
StringParameter	modelName (description="null")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	calFileId (description="null")
StringParameter	formatVersion (description="Calfile Format version")

StringParameter	author (description="null")
LongParameter	calFileVersion (description="null")
StringParameter	fileName (description="null")
array dataset	(description="null")
Metadata	
Double2d	(description="null", quantity="none")
array dataset	(description="null")
Metadata	
Int1d	(description="null", quantity="none")

4.2.14. InvnttBS

<i>product (type="InvnttBS", description="BS band inverse noise time-time correlation for MadMap")</i>	
Metadata	
StringParameter	type (description="null")
StringParameter	creator (description="null")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="null")
StringParameter	instrument (description="null")
StringParameter	modelName (description="null")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	calFileId (description="null")
StringParameter	formatVersion (description="Calfile Format version")
StringParameter	author (description="null")
LongParameter	calFileVersion (description="null")
StringParameter	fileName (description="null")
array dataset	(description="null")
Metadata	
Double2d	(description="null", quantity="none")
array dataset	(description="null")
Metadata	
Int1d	(description="null", quantity="none")

4.2.15. InvnttRED

<i>product (type="InvnttRED", description="RED band inverse noise time-time correlation for MadMap")</i>	
Metadata	

StringParameter	type (description="null")
StringParameter	creator (description="null")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="null")
StringParameter	instrument (description="null")
StringParameter	modelName (description="null")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	calFileId (description="null")
StringParameter	formatVersion (description="Calfile Format version")
StringParameter	author (description="null")
LongParameter	calFileVersion (description="null")
StringParameter	fileName (description="null")
<i>array</i> <i>dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double2d</i>	(description="null", quantity="none")
<i>array</i> <i>dataset</i>	(description="null")
<i>Metadata</i>	
<i>Int1d</i>	(description="null", quantity="none")

4.2.16. Masks

<i>product (type="Masks", description="Boolean-2D arrays marking the positions of permanently damaged or u")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Date of file creation")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start time of this product")
DateParameter	endDate (description="End time of this product")
StringParameter	calFileId (description="Calfile type identifier")
StringParameter	formatVersion (description="Calfile format version")
StringParameter	author (description="Author of the data")
StringParameter	fileName (description="Calibration product fits filename")
LongParameter	calFileVersion (description="Calfile version")
<i>array</i> <i>dataset</i>	(description="Mask of operational pixels on bolometer red")
<i>Metadata</i>	

<i>Bool2d</i>	(description="Mask of operational pixels on bolometer red", quantity="none")
<i>array dataset</i>	(description="Mask of operational pixels on bolometer blue")
<i>Metadata</i>	
<i>Bool2d</i>	(description="Mask of operational pixels on bolometer blue", quantity="none")

4.2.17. Responsivity

<i>product (type="Responsivity", description="Responsivity for Bolometer")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
LongParameter	calFileVersion (description="null")
StringParameter	author (description="null")
StringParameter	fileName (description="null")
StringParameter	calFileId (description="CalFile Type identifier")
StringParameter	formatVersion (description="Calfile Format Version")
StringParameter	productNotes (description="null")
StringParameter	versionNotes (description="oefs' /")
<i>compos- ite</i>	(description="Responsivity for red channel")
<i>Metadata</i>	
DoubleParameter	ConversionFactor (description="unit=Jy/pW/px")
DoubleParameter	EffectiveAperture (description="Surface; unit=m^2")
DoubleParameter	Bandwidth (description="unit=Hz")
DoubleParameter	RefWavelength (description="unit=micrometer")
DateParameter	CreationDate (description="Creation date")
DoubleParameter	Responsivity (description="Responsivity Unit=V/Jy/px")

DoubleParameter	Bias (description="<Vh-Vl> , unit=Volt")
DoubleParameter	Vlow (description="<Vlow> , unit=Volt")
StringParameter	Mode (description="readout mode")
LongParameter	Gain (description="0=high, 1=low")
LongParameter	Obsid (description="obsid")
array dataset	(description="Responsivity Unit=V/Jy/px")
Metadata	
DoubleId	(description="Responsivity Unit=V/Jy/px", quantity="V/(W.m2.Hz)")
compos- ite	(description="Responsivity for blue channel")
Metadata	
DoubleParameter	ConversionFactor (description="unit=Jy/pW/px")
DoubleParameter	EffectiveAperture (description="Surface; unit=m^2")
DoubleParameter	Bandwidth (description="unit=Hz")
DoubleParameter	RefWavelength (description="unit=micrometer")
DateParameter	CreationDate (description="Creation date")
DoubleParameter	Responsivity (description="Responsivity Unit=V/Jy/px")
DoubleParameter	Bias (description="<Vh-Vl> , unit=Volt")
DoubleParameter	Vlow (description="<Vlow> , unit=Volt")
StringParameter	Mode (description="readout mode")
LongParameter	Gain (description="0=high, 1=low")
LongParameter	Obsid (description="obsid")
array dataset	(description="Responsivity Unit=V/Jy/px")
Metadata	
DoubleId	(description="Responsivity Unit=V/Jy/px", quantity="V/(W.m2.Hz)")
compos- ite	(description="Responsivity for green channel")
Metadata	
DoubleParameter	ConversionFactor (description="unit=Jy/pW/px")
DoubleParameter	EffectiveAperture (description="Surface; unit=m^2")
DoubleParameter	Bandwidth (description="unit=Hz")
DoubleParameter	RefWavelength (description="unit=micrometer")
DateParameter	CreationDate (description="Creation date")
DoubleParameter	Responsivity (description="Responsivity Unit=V/Jy/px")
DoubleParameter	Bias (description="<Vh-Vl> , unit=Volt")
DoubleParameter	Vlow (description="<Vlow> , unit=Volt")
StringParameter	Mode (description="readout mode")
LongParameter	Gain (description="0=high, 1=low")
LongParameter	Obsid (description="obsid")
array dataset	(description="Responsivity Unit=V/Jy/px")
Metadata	
DoubleId	(description="Responsivity Unit=V/Jy/px", quantity="V/(W.m2.Hz)")

--

4.2.18. SatLimits

<i>product (type="SatLimits", description="Matrix of saturation values for Photometer")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Date of file creation")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start time of this product")
DateParameter	endDate (description="End time of this product")
StringParameter	calFileId (description="Calfile type identifier")
StringParameter	formatVersion (description="Calfile format version")
LongParameter	calFileVersion (description="Calfile version")
StringParameter	author (description="Author of the data")
StringParameter	fileName (description="null")
<i>array dataset</i>	<i>(description="Saturation values signed modes")</i>
<i>Metadata</i>	
<i>IntId</i>	<i>(description="Saturation values signed modes", quantity="none")</i>
<i>array dataset</i>	<i>(description="Saturation values unsigned modes")</i>
<i>Metadata</i>	
<i>IntId</i>	<i>(description="Saturation values unsigned modes", quantity="none")</i>

4.2.19. SubArrayArray

<i>product (type="SubArrayArray", description="Coordinate conversion (row, col) -> (U,V) for the bolometer arrays")</i>	
<i>Meta-data</i>	
String-Parameter	type (description="Product Type Identification")
String-Parameter	creator (description="Creator of this Product")
DateParameter	creationDate (description="Creation date of this product")
String-Parameter	description (description="Description of this Product")

String-Parameter	instrument (description="instrument attached to this Product")
String-Parameter	modelName (description="model name attached to this Product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
String-Parameter	calFileId (description="Calfile Type identifier")
String-Parameter	formatVersion (description="Calfile Format version")
Long-Parameter	calFileVersion (description="Calfile format version")
String-Parameter	fileName (description="filename of the calfile")
String-Parameter	author (description="Author of this Product")
<i>array dataset</i>	(description="u coordinates for red array - pixel center")
<i>Meta-data</i>	
<i>Double2d</i>	(description="u coordinates for red array - pixel center", quantity="none")
<i>array dataset</i>	(description="v coordinates for red array - pixel center")
<i>Meta-data</i>	
<i>Double2d</i>	(description="v coordinates for red array - pixel center", quantity="none")
<i>array dataset</i>	(description="u coordinates for blue array - pixel center")
<i>Meta-data</i>	
<i>Double2d</i>	(description="u coordinates for blue array - pixel center", quantity="none")
<i>array dataset</i>	(description="b coordinates for blue array - pixel center")
<i>Meta-data</i>	
<i>Double2d</i>	(description="b coordinates for blue array - pixel center", quantity="none")

<i>array</i> <i>dataset</i>	(<i>description="u coordinates for red array - top left pixel corner"</i>)
<i>Meta-data</i>	
<i>Double2d</i>	(<i>description="u coordinates for red array - top left pixel corner", quantity="none"</i>)
<i>array</i> <i>dataset</i>	(<i>description="v coordinates for red array - top left pixel corner"</i>)
<i>Meta-data</i>	
<i>Double2d</i>	(<i>description="v coordinates for red array - top left pixel corner", quantity="none"</i>)
<i>array</i> <i>dataset</i>	(<i>description="u coordinates for blue array - top left pixel corner"</i>)
<i>Meta-data</i>	
<i>Double2d</i>	(<i>description="u coordinates for blue array - top left pixel corner", quantity="none"</i>)
<i>array</i> <i>dataset</i>	(<i>description="b coordinates for blue array - top left pixel corner"</i>)
<i>Meta-data</i>	
<i>Double2d</i>	(<i>description="b coordinates for blue array - top left pixel corner", quantity="none"</i>)
<i>array</i> <i>dataset</i>	(<i>description="u coordinates for red array - top right pixel corner"</i>)
<i>Meta-data</i>	
<i>Double2d</i>	(<i>description="u coordinates for red array - top right pixel corner", quantity="none"</i>)
<i>array</i> <i>dataset</i>	(<i>description="v coordinates for red array - top right pixel corner"</i>)
<i>Meta-data</i>	
<i>Double2d</i>	(<i>description="v coordinates for red array - top right pixel corner", quantity="none"</i>)
<i>array</i> <i>dataset</i>	(<i>description="u coordinates for blue array - top right pixel corner"</i>)
<i>Meta-data</i>	
<i>Double2d</i>	(<i>description="u coordinates for blue array - top right pixel corner", quantity="none"</i>)
<i>array</i> <i>dataset</i>	(<i>description="b coordinates for blue array - top right pixel corner"</i>)
<i>Meta-data</i>	
<i>Double2d</i>	(<i>description="b coordinates for blue array - top right pixel corner", quantity="none"</i>)

<i>ar- ray dataset</i>	(<i>description="u coordinates for red array - bottom right pixel corner"</i>)
<i>Meta- data</i>	
<i>Double2d</i>	(<i>description="u coordinates for red array - bottom right pixel corner", quantity="none"</i>)
<i>ar- ray dataset</i>	(<i>description="v coordinates for red array - bottom right pixel corner"</i>)
<i>Meta- data</i>	
<i>Double2d</i>	(<i>description="v coordinates for red array - bottom right pixel corner", quantity="none"</i>)
<i>ar- ray dataset</i>	(<i>description="u coordinates for blue array - bottom right pixel corner"</i>)
<i>Meta- data</i>	
<i>Double2d</i>	(<i>description="u coordinates for blue array - bottom right pixel corner", quantity="none"</i>)
<i>ar- ray dataset</i>	(<i>description="b coordinates for blue array - bottom right pixel corner"</i>)
<i>Meta- data</i>	
<i>Double2d</i>	(<i>description="b coordinates for blue array - bottom right pixel corner", quantity="none"</i>)
<i>ar- ray dataset</i>	(<i>description="u coordinates for red array - bottom left pixel corner"</i>)
<i>Meta- data</i>	
<i>Double2d</i>	(<i>description="u coordinates for red array - bottom left pixel corner", quantity="none"</i>)
<i>ar- ray dataset</i>	(<i>description="v coordinates for red array - bottom left pixel corner"</i>)
<i>Meta- data</i>	
<i>Double2d</i>	(<i>description="v coordinates for red array - bottom left pixel corner", quantity="none"</i>)
<i>ar- ray dataset</i>	(<i>description="u coordinates for blue array - bottom left pixel corner"</i>)
<i>Meta- data</i>	
<i>Double2d</i>	(<i>description="u coordinates for blue array - bottom left pixel corner", quantity="none"</i>)
<i>ar- ray dataset</i>	(<i>description="b coordinates for blue array - bottom left pixel corner"</i>)
<i>Meta- data</i>	
<i>Double2d</i>	(<i>description="b coordinates for blue array - bottom left pixel corner", quantity="none"</i>)

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4.2.20. TimeDependency

<i>product (type="TimeDependency", description="Defines time dependency for calibration products.")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	calFileId (description="Calfile Type identifier")
StringParameter	formatVersion (description="Calfile Format version")
LongParameter	calFileVersion (description="Calfile version")
StringParameter	scope (description="null")
StringParameter	fileName (description="Filename used for saving FITS file")
StringParameter	author (description="null")
StringParameter	versionNotes (description="null")
<i>table dataset</i>	<i>(description="Time Dependency Table for FM")</i>
<i>Metadata</i>	
StringParameter	modelName (description="The instrument model name")
DateParameter	lastUpdated (description="null")
StringParameter	lastUpdatedBy (description="null")
StringParameter	scope (description="scope can take values of BASE, TEST, or PRIVATE")
<i>StringId</i>	type (description="null", quantity="none")
<i>StringId</i>	unit (description="null", quantity="none")
<i>LongId</i>	time (description="null", quantity="none")
<i>LongId</i>	version (description="null", quantity="none")
<i>StringId</i>	comment (description="null", quantity="none")

4.3. PACS Spectrometer Calibration Products

4.3.1. ArrayInstrument

<i>product (type="ArrayInstrument", description="Array to Instrument coordinate conversion")</i>	
<i>Metadata</i>	
	type (description="Product Type Identification")

StringParameter	
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Date of file creation")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	calFileId (description="Calfile type identifier")
StringParameter	formatVersion (description="Calfile format version")
LongParameter	calFileVersion (description="Calfile version")
StringParameter	author (description="Author of the data")
StringParameter	fileName (description="null")
array dataset	(description="Maximum polynomial orders for y (blue)")
Metadata	
Int1d	(description="Maximum polynomial orders for y (blue)", quantity="none")
array dataset	(description="Cube with coefficients for y (blue)")
Metadata	
Double3d	(description="Cube with coefficients for y (blue)", quantity="none")
array dataset	(description="Maximum polynomial orders for z (blue)")
Metadata	
Int1d	(description="Maximum polynomial orders for z (blue)", quantity="none")
array dataset	(description="Cube with coefficients for z (blue)")
Metadata	
Double3d	(description="Cube with coefficients for z (blue)", quantity="none")
array dataset	(description="Maximum polynomial orders for y (red)")
Metadata	
Int1d	(description="Maximum polynomial orders for y (red)", quantity="none")

<i>array dataset</i>	(description="Cube with coefficients for y (red)")
<i>Metadata</i>	
<i>Double3d</i>	(description="Cube with coefficients for y (red)", quantity="none")
<i>array dataset</i>	(description="Maximum polynomial orders for z (red)")
<i>Metadata</i>	
<i>Int1d</i>	(description="Maximum polynomial orders for z (red)", quantity="none")
<i>array dataset</i>	(description="Cube with coefficients for z (red)")
<i>Metadata</i>	
<i>Double3d</i>	(description="Cube with coefficients for z (red)", quantity="none")

4.3.2. BadPixelMask

<i>product (type="BadPixelMask", description="Bad pixels mask for PACS Photometer")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Date of file creation")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="null")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	calFileId (description="Calfile type identifier")
StringParameter	formatVersion (description="Calfile format version")
LongParameter	calFileVersion (description="null")
StringParameter	author (description="Author of the data")
StringParameter	fileName (description="null")
StringParameter	productNotes (description="null")
StringParameter	versionNotes (description="null")
<i>array dataset</i>	(description="Bad Pixels mask for the Red Photometer")
<i>Metadata</i>	
<i>Bool2d</i>	(description="Bad Pixels mask for the Red Photometer", quantity="none")
<i>array dataset</i>	(description="Bad Pixels mask for the Blue Photometer")
<i>Metadata</i>	
<i>Bool2d</i>	(description="Bad Pixels mask for the Blue Photometer", quantity="none")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	

<i>Bool2d</i>	(description="null", quantity="none")

4.3.3. DetectorSortMatrix

<i>product (type="DetectorSortMatrix", description="Detector sorting matrices for the red and blue photometer.")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Date of file creation")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start time of this product")
DateParameter	endDate (description="End time of this product")
StringParameter	calFileId (description="Calfile type identifier")
StringParameter	formatVersion (description="Calfile format version")
LongParameter	calFileVersion (description="Calfile version")
StringParameter	author (description="Author of the data")
StringParameter	fileName (description="Calibration product fits file")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Int2d</i>	(description="null", quantity="none")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Int2d</i>	(description="null", quantity="none")

4.3.4. CapacitanceRatios

<i>product (type="CapacitanceRatios", description="contains the capacitance ratios for the red and blue array")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")

StringParameter	calFileId (description="null")
StringParameter	formatVersion (description="Calfile Format version")
StringParameter	fileName (description="null")
LongParameter	calFileVersion (description="null")
StringParameter	author (description="Author of the data")
<i>array dataset</i>	(description="capacitance ratios of red array referred to the smallest cap.")
<i>Metadata</i>	
<i>Double3d</i>	(description="capacitance ratios of red array referred to the smallest cap.", quantity="none")
<i>array dataset</i>	(description="capacitance ratios of blue array referred to the smallest cap.")
<i>Metadata</i>	
<i>Double3d</i>	(description="capacitance ratios of blue array referred to the smallest cap.", quantity="none")

4.3.5. ChopperThrowDescription

<i>product (type="ChopperThrowDescription", description="Defines the CPR (chopper position read-outs) versus a verbal description")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	calFileId (description="null")
StringParameter	formatVersion (description="Calfile Format version")
StringParameter	fileName (description="null")
LongParameter	calFileVersion (description="null")
StringParameter	author (description="Author of the data")
<i>table dataset</i>	(description="verbal description of chopper throws")
<i>Metadata</i>	
<i>StringId</i>	throwNames (description="null", quantity="none")
<i>IntId</i>	cprPos (description="null", quantity="none")
<i>IntId</i>	tolerance (description="null", quantity="none")

4.3.6. CrosstalkMatrix

<i>product (type="CrosstalkMatrix", description="Photometer Crosstalk matrix for red and blue channel")</i>	
<i>Metadata</i>	
StringParameter	type (description="Photometer Crosstalk Matrix")
StringParameter	creator (description="creator of this calfile")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="description of this calfile")
StringParameter	instrument (description="null")
StringParameter	modelName (description="null")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
LongParameter	creationDate_ILLEGAL_FORMAT (description="Date of file creation")
StringParameter	calFileId (description="Photometer Crosstalk Matrix")
StringParameter	formatVersion (description="Calfile format version")
LongParameter	calFileVersion (description="Calfile version")
StringParameter	author (description="Author of Data")
StringParameter	fileName (description="Calfile product fits filename")
<i>array dataset</i>	<i>(description="Photometer Crosstalk matrix for red channel")</i>
<i>Metadata</i>	
<i>Double2d</i>	<i>(description="Photometer Crosstalk matrix for red channel", quantity="none")</i>
<i>array dataset</i>	<i>(description="Photometer Crosstalk matrix for blue channel")</i>
<i>Metadata</i>	
<i>Double2d</i>	<i>(description="Photometer Crosstalk matrix for blue channel", quantity="none")</i>

4.3.7. DetectorSortMatrix

<i>product (type="DetectorSortMatrix", description="Detector sorting matrices for the red and blue photometer.")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Date of file creation")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start time of this product")
DateParameter	endDate (description="End time of this product")
StringParameter	calFileId (description="Calfile type identifier")
StringParameter	formatVersion (description="Calfile format version")

LongParameter	calFileVersion (description="Calfile version")
StringParameter	author (description="Author of the data")
StringParameter	fileName (description="Calibration product fits file")
array dataset	(description="null")
Metadata	
Int2d	(description="null", quantity="none")
array dataset	(description="null")
Metadata	
Int2d	(description="null", quantity="none")

4.3.8. DiscardRampHooks

<i>product (type="DiscardRampHooks", description="number of discarded readouts at the ramp start to account for the hook response")</i>	
Metadata	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	calFileId (description="null")
StringParameter	formatVersion (description="Calfile Format version")
StringParameter	fileName (description="null")
LongParameter	calFileVersion (description="null")
StringParameter	author (description="Author of the data")
array dataset	(description="number of full resolution red ramp readouts affected by the initial&")
Metadata	
Int1d	(description="number of full resolution red ramp readouts affected by the initial&", quantity="none")

4.3.9. EffectiveCapacitance

<i>product (type="EffectiveCapacitance", description="Effective measured capacitances of the four possible commandable capacitances of the spectrometer")</i>	
Metadata	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")

DateParameter	creationDate (description="Date of file creation")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	calFileId (description="Calfile type identifier")
StringParameter	formatVersion (description="Calfile format version")
LongParameter	calFileVersion (description="Calfile version")
StringParameter	author (description="Author of the data")
StringParameter	fileName (description="null")
<i>array dataset</i>	(description="effective measured capacitances in pF")
<i>Metadata</i>	
<i>DoubleId</i>	(description="effective measured capacitances in pF", quantity="none")

4.3.10. GprHall

<i>product (type="GprHall", description="Defines the GPR (DM_GRAT_CUR_POS) versus Hall sensor readback calibration object")</i>	
<i>Meta-data</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Date of file creation")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	calFileId (description="null")
StringParameter	formatVersion (description="Calfile format version")
StringParameter	author (description="Author of the data")
StringParameter	fileName (description="null")

LongParameter	calFileVersion (description="null")
array dataset	(description="Grating position readback")
Metadata	
DoubleId	(description="Grating position readback", quantity="none")
array dataset	(description="HALL A sensor")
Metadata	
DoubleId	(description="HALL A sensor", quantity="none")
array dataset	(description="HALL B sensor")
Metadata	
DoubleId	(description="HALL B sensor", quantity="none")
table dataset	(description="Sorted, Unique, Partitionned 0_A")
Metadata	
DoubleId	Hall (description="null", quantity="none")
DoubleId	GPR (description="null", quantity="none")
table dataset	(description="Sorted, Unique, Partitionned 1_A")
Metadata	
DoubleId	Hall (description="null", quantity="none")
DoubleId	GPR (description="null", quantity="none")
table dataset	(description="Sorted, Unique, Partitionned 2_A")
Metadata	
DoubleId	Hall (description="null", quantity="none")
DoubleId	GPR (description="null", quantity="none")
table dataset	(description="Sorted, Unique, Partitionned 3_A")
Metadata	
DoubleId	Hall (description="null", quantity="none")
DoubleId	GPR (description="null", quantity="none")
table dataset	(description="Sorted, Unique, Partitionned 0_B")
Metadata	
DoubleId	Hall (description="null", quantity="none")
DoubleId	GPR (description="null", quantity="none")
table dataset	(description="Sorted, Unique, Partitionned 1_B")
Metadata	
DoubleId	Hall (description="null", quantity="none")
DoubleId	GPR (description="null", quantity="none")

<i>table dataset</i>	(<i>description="Sorted, Unique, Partitionned 2_B"</i>)
<i>Metadata</i>	
<i>DoubleId</i>	Hall (<i>description="null", quantity="none"</i>)
<i>DoubleId</i>	GPR (<i>description="null", quantity="none"</i>)
<i>table dataset</i>	(<i>description="Sorted, Unique, Partitionned 3_B"</i>)
<i>Metadata</i>	
<i>DoubleId</i>	Hall (<i>description="null", quantity="none"</i>)
<i>DoubleId</i>	GPR (<i>description="null", quantity="none"</i>)

4.3.11. GratingJitterThreshold

<i>product (type="GratingJitterThreshold", description="value for the jitter threshold of the final grating positions in readout units")</i>	
<i>Metadata</i>	
StringParameter	type (<i>description="Product Type Identification"</i>)
StringParameter	creator (<i>description="Generator of this product"</i>)
DateParameter	creationDate (<i>description="Creation date of this product"</i>)
StringParameter	description (<i>description="Name of this product"</i>)
StringParameter	instrument (<i>description="Instrument attached to this product"</i>)
StringParameter	modelName (<i>description="Model name attached to this product"</i>)
DateParameter	startDate (<i>description="Start date of this product"</i>)
DateParameter	endDate (<i>description="End date of this product"</i>)
StringParameter	calFileId (<i>description="null"</i>)
StringParameter	formatVersion (<i>description="Calfile Format version"</i>)
StringParameter	fileName (<i>description="null"</i>)
LongParameter	calFileVersion (<i>description="null"</i>)
StringParameter	author (<i>description="Author of the data"</i>)
<i>array dataset</i>	(<i>description="accuracy of final grating position in readouts"</i>)
<i>Metadata</i>	
<i>DoubleId</i>	(<i>description="accuracy of final grating position in readouts", quantity="none"</i>)

4.3.12. LabelDescription

<i>product (type="LabelDescription", description="defines the bit coded labels vs. a verbal description")</i>	
<i>Metadata</i>	
StringParameter	type (<i>description="Product Type Identification"</i>)
StringParameter	creator (<i>description="Generator of this product"</i>)
DateParameter	creationDate (<i>description="Creation date of this product"</i>)

StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	calFileId (description="null")
StringParameter	formatVersion (description="Calfile Format version")
StringParameter	fileName (description="null")
LongParameter	calFileVersion (description="null")
StringParameter	author (description="Author of the data")
array dataset	(description="Label descriptions for Spectrometer")
Metadata	
StringId	(description="Label descriptions for Spectrometer", quantity="none")
array dataset	(description="Label bit setting for Spectrometer")
Metadata	
IntId	(description="Label bit setting for Spectrometer", quantity="none")

4.3.13. LittrowParameters

<i>product (type="LittrowParameters", description="Littrow parameters for wavelength calibration")</i>	
Metada- ta	
StringPa- rameter	type (description="Product Type Identification")
StringPa- rameter	creator (description="Generator of this product")
DateParame- ter	creationDate (description="Date of file creation")
StringPa- rameter	description (description="Name of this product")
StringPa- rameter	instrument (description="Instrument attached to this product")
StringPa- rameter	modelName (description="Model name attached to this product")
DateParame- ter	startDate (description="Start time of this product")
DateParame- ter	endDate (description="End time of this product")
StringPa- rameter	calFileId (description="null")
StringPa- rameter	formatVersion (description="Calfile format version")
	calFileVersion (description="null")

LongParameter	
StringParameter	author (description="Author of the data")
StringParameter	fileName (description="null")
array dataset	(description="Grating Constant")
Metadata	
DoubleId	(description="Grating Constant", quantity="none")
array dataset	(description="Grating readout steps per degree")
Metadata	
DoubleId	(description="Grating readout steps per degree", quantity="none")
array dataset	(description="Angular deviation from ideal Littrow case (input angle)")
Metadata	
DoubleId	(description="Angular deviation from ideal Littrow case (input angle)", quantity="none")
array dataset	(description="Angular deviation from ideal Littrow case (output angle)")
Metadata	
DoubleId	(description="Angular deviation from ideal Littrow case (output angle)", quantity="none")
array dataset	(description="Correction of output angle per pixel unit offset to central pixel")
Metadata	
DoubleId	(description="Correction of output angle per pixel unit offset to central pixel", quantity="none")
array dataset	(description="Correction of output angle per pixel unit offset to central pixel")
Metadata	
DoubleId	(description="Correction of output angle per pixel unit offset to central pixel", quantity="none")
array dataset	(description="Grating angle at grating zero position")
Metadata	
DoubleId	(description="Grating angle at grating zero position", quantity="none")
array dataset	(description="Grating angle at grating zero position")
Metadata	
DoubleId	(description="Grating angle at grating zero position", quantity="none")

4.3.14. LittrowPolynomes

<i>product</i> (type="LittrowPolynomes", description="Grating wavelength calibration: Littrow equation parameters / polynome approximation for alpha per pixel")	
<i>Meta-data</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	calFileId (description="Filename used for saving FITS file")
StringParameter	formatVersion (description="Calfile Format version")
StringParameter	productNotes (description="null")
StringParameter	versionNotes (description="null")
LongParameter	calFileVersion (description="Calfile version")
StringParameter	author (description="null")
StringParameter	fileName (description="null")
<i>com-posite</i>	(description="null")
<i>Metadata</i>	
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>DoubleId</i>	(description="null", quantity="none")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>DoubleId</i>	(description="null", quantity="none")
	(description="null")

<i>array dataset</i>	
<i>Metadata</i>	
<i>Double1d</i>	(description="null", quantity="none")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double1d</i>	(description="null", quantity="none")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double1d</i>	(description="null", quantity="none")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double2d</i>	(description="null", quantity="none")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double2d</i>	(description="null", quantity="none")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double2d</i>	(description="null", quantity="none")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double2d</i>	(description="null", quantity="none")
<i>com- posite</i>	(description="null")
<i>Metadata</i>	
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double1d</i>	(description="null", quantity="none")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double1d</i>	(description="null", quantity="none")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double1d</i>	(description="null", quantity="none")
<i>array dataset</i>	(description="null")

<i>Metadata</i>	
<i>Double1d</i>	(description="null", quantity="none")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double1d</i>	(description="null", quantity="none")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double2d</i>	(description="null", quantity="none")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double2d</i>	(description="null", quantity="none")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double2d</i>	(description="null", quantity="none")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double2d</i>	(description="null", quantity="none")
<i>array dataset</i>	(description="null")
<i>com-posite</i>	(description="null")
<i>Metadata</i>	
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double1d</i>	(description="null", quantity="none")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double1d</i>	(description="null", quantity="none")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double1d</i>	(description="null", quantity="none")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double1d</i>	(description="null", quantity="none")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double1d</i>	(description="null", quantity="none")

<i>array dataset</i>	(<i>description="null"</i>)
<i>Metadata</i>	
<i>Double2d</i>	(<i>description="null", quantity="none"</i>)
<i>array dataset</i>	(<i>description="null"</i>)
<i>Metadata</i>	
<i>Double2d</i>	(<i>description="null", quantity="none"</i>)
<i>array dataset</i>	(<i>description="null"</i>)
<i>Metadata</i>	
<i>Double2d</i>	(<i>description="null", quantity="none"</i>)
<i>array dataset</i>	(<i>description="null"</i>)
<i>Metadata</i>	
<i>Double2d</i>	(<i>description="null", quantity="none"</i>)
<i>com- posite</i>	(<i>description="null"</i>)
<i>Metadata</i>	
<i>array dataset</i>	(<i>description="null"</i>)
<i>Metadata</i>	
<i>Double1d</i>	(<i>description="null", quantity="none"</i>)
<i>array dataset</i>	(<i>description="null"</i>)
<i>Metadata</i>	
<i>Double1d</i>	(<i>description="null", quantity="none"</i>)
<i>array dataset</i>	(<i>description="null"</i>)
<i>Metadata</i>	
<i>Double1d</i>	(<i>description="null", quantity="none"</i>)
<i>array dataset</i>	(<i>description="null"</i>)
<i>Metadata</i>	
<i>Double1d</i>	(<i>description="null", quantity="none"</i>)
<i>array dataset</i>	(<i>description="null"</i>)
<i>Metadata</i>	
<i>Double1d</i>	(<i>description="null", quantity="none"</i>)
<i>array dataset</i>	(<i>description="null"</i>)
<i>Metadata</i>	
<i>Double2d</i>	(<i>description="null", quantity="none"</i>)
<i>array dataset</i>	(<i>description="null"</i>)

<i>Metadata</i>	
<i>Double2d</i>	(description="null", quantity="none")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double2d</i>	(description="null", quantity="none")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double2d</i>	(description="null", quantity="none")

4.3.15. ModuleArray

<i>product (type="ModuleArray", description="Module to Array coordinate conversion calibration object")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	calFileId (description="null")
StringParameter	formatVersion (description="Calfile Format version")
StringParameter	fileName (description="null")
LongParameter	calFileVersion (description="null")
StringParameter	author (description="Author of the data")
<i>array dataset</i>	(description="y-stage (y-sky) coordinate of the blue module w.r.t module 12 as re&")
<i>Metadata</i>	
<i>Double1d</i>	(description="y-stage (y-sky) coordinate of the blue module w.r.t module 12 as re&", quantity="none")
<i>array dataset</i>	(description="x-stage (-z-sky) coordinate of the blue module w.r.t module 12 as r&")
<i>Metadata</i>	
<i>Double1d</i>	(description="x-stage (-z-sky) coordinate of the blue module w.r.t module 12 as r&", quantity="none")
<i>array dataset</i>	(description="y-stage (y-sky) coordinate of the red module w.r.t module 12 as ref&")
<i>Metadata</i>	
<i>Double1d</i>	(description="y-stage (y-sky) coordinate of the red module w.r.t module 12 as ref&", quantity="none")

<i>array dataset</i>	(description="x-stage (-z-sky) coordinate of the red module w.r.t module 12 as re&")
<i>Metadata</i>	
<i>Double1d</i>	(description="x-stage (-z-sky) coordinate of the red module w.r.t module 12 as re&", quantity="none")

4.3.16. NonLinearity

<i>product (type="NonLinearity", description="contains coefficients of a second order polynomial to linearize signals for the red and blue array stored in a Double3d(18, 25, 3)")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	calFileId (description="null")
StringParameter	formatVersion (description="Calfile Format version")
StringParameter	fileName (description="null")
LongParameter	calFileVersion (description="null")
StringParameter	author (description="Author of the data")
<i>array dataset</i>	(description="Linearisation coefficients of ramp slopes (V/s) for red array store&")
<i>Metadata</i>	
<i>Double3d</i>	(description="Linearisation coefficients of ramp slopes (V/s) for red array store&", quantity="none")
<i>array dataset</i>	(description="Linearisation coefficients of ramp slopes (V/s) for blue array stor&")
<i>Metadata</i>	
<i>Double3d</i>	(description="Linearisation coefficients of ramp slopes (V/s) for blue array stor&", quantity="none")

4.3.17. Psf

<i>product (type="Psf", description="Point spread functions for the red and blue spectrometer.")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")

StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	calFileId (description="null")
StringParameter	formatVersion (description="Calfile Format version")
StringParameter	fileName (description="null")
LongParameter	calFileVersion (description="null")
StringParameter	author (description="Author of the data")
array dataset	(description="3D dataset with x,y 27X27 red PSF points, z are the spectrally aver&")
Metadata	
Double3d	(description="3D dataset with x,y 27X27 red PSF points, z are the spectrally aver&", quantity="none")
array dataset	(description="3D dataset with x,y 27X27 blue PSF points, z are the spectrally ave&")
Metadata	
Double3d	(description="3D dataset with x,y 27X27 blue PSF points, z are the spectrally ave&", quantity="none")
array dataset	(description="4D dataset with x,y 27X27 red PSF points, z are the 25 modules, 4th&")
Metadata	
Double4d	(description="4D dataset with x,y 27X27 red PSF points, z are the 25 modules, 4th&", quantity="none")
array dataset	(description="4D dataset with x,y 27X27 blue PSF points, z are the 25 modules, 4t&")
Metadata	
Double4d	(description="4D dataset with x,y 27X27 blue PSF points, z are the 25 modules, 4t&", quantity="none")

4.3.18. RampSatLimits

<i>product (type="RampSatLimits", description="contains the ramp saturation limits (digits) for the red and blue array")</i>	
Metadata	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	calFileId (description="null")

StringParameter	formatVersion (description="Calfile Format version")
StringParameter	fileName (description="null")
LongParameter	calFileVersion (description="null")
StringParameter	author (description="Author of the data")
array dataset	(description="saturation limits of the red array in digits depend on the capac&")
Metadata	
Double3d	(description="saturation limits of the red array in digits depend on the capac&", quantity="none")
array dataset	(description="saturation limits of the blue array in digits depend on the capac&")
Metadata	
Double3d	(description="saturation limits of the blue array in digits depend on the capac&", quantity="none")

4.3.19. RsrFB3A

<i>product (type="RsrFB3A", description="Relative spectral Response Function for one spectral band")</i>	
Metadata	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	calFileId (description="null")
StringParameter	formatVersion (description="null")
StringParameter	productNotes (description="null")
StringParameter	versionNotes (description="null")
StringParameter	band (description="null")
StringParameter	author (description="null")
StringParameter	fileName (description="null")
LongParameter	calFileVersion (description="Calfile version")
array dataset	(description="null")
Metadata	
Double1d	(description="null", quantity="none")
array dataset	(description="null")
Metadata	

<i>Double3d</i>	(description="null", quantity="none")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
<i>Double3d</i>	(description="null", quantity="none")

4.3.20. Readouts2Volts

<i>product (type="Readouts2Volts", description="Defines the ramp readout to volt conversion")</i>	
<i>Metada- ta</i>	
<i>StringPa- rameter</i>	type (description="Product Type Identification")
<i>StringPa- rameter</i>	creator (description="Generator of this product")
<i>DateParame- ter</i>	creationDate (description="Date of file creation")
<i>StringPa- rameter</i>	description (description="Name of this product")
<i>StringPa- rameter</i>	instrument (description="Instrument attached to this product")
<i>StringPa- rameter</i>	modelName (description="Model name attached to this product")
<i>DateParame- ter</i>	startDate (description="Start date of this product")
<i>DateParame- ter</i>	endDate (description="End date of this product")
<i>StringPa- rameter</i>	calFileId (description="null")
<i>StringPa- rameter</i>	formatVersion (description="Calfile format version")
<i>LongParam- eter</i>	calFileVersion (description="Calfile version")
<i>StringPa- rameter</i>	author (description="Author of the data")
<i>StringPa- rameter</i>	fileName (description="null")
<i>array dataset</i>	(description="Start value Digits")
<i>Metadata</i>	
<i>Double1d</i>	(description="Start value Digits", quantity="none")
<i>array dataset</i>	(description="End value Digits")
<i>Metadata</i>	
<i>Double1d</i>	(description="End value Digits", quantity="none")
	(description="Start value Voltage")

<i>array dataset</i>	
<i>Metadata</i>	
<i>DoubleId</i>	(description="Start value Voltage", quantity="none")
<i>array dataset</i>	(description="End value Voltage")
<i>Metadata</i>	
<i>DoubleId</i>	(description="End value Voltage", quantity="none")
<i>array dataset</i>	(description="Start value Digits")
<i>Metadata</i>	
<i>DoubleId</i>	(description="Start value Digits", quantity="none")
<i>array dataset</i>	(description="End value Digits")
<i>Metadata</i>	
<i>DoubleId</i>	(description="End value Digits", quantity="none")
<i>array dataset</i>	(description="Start value Voltage")
<i>Metadata</i>	
<i>DoubleId</i>	(description="Start value Voltage", quantity="none")
<i>array dataset</i>	(description="End value Voltage")
<i>Metadata</i>	
<i>DoubleId</i>	(description="End value Voltage", quantity="none")

4.3.21. Sensitivity

<i>product (type="Sensitivity", description="contains the line and continuum RMS noise fluctuations for 1 sec integration time")</i>	
<i>Meta-data</i>	
<i>StringParameter</i>	type (description="Product Type Identification")
<i>StringParameter</i>	creator (description="Generator of this product")
<i>DateParameter</i>	creationDate (description="Creation date of this product")
<i>StringParameter</i>	description (description="Name of this product")
<i>StringParameter</i>	instrument (description="Instrument attached to this product")
<i>StringParameter</i>	modelName (description="Model name attached to this product")
<i>DateParameter</i>	startDate (description="Start date of this product")
	endDate (description="End date of this product")

DateParameter	
StringParameter	calFileId (description="null")
StringParameter	formatVersion (description="Calfile Format version")
StringParameter	fileName (description="null")
LongParameter	calFileVersion (description="null")
StringParameter	author (description="Author of the data")
array dataset	(description="wavelengths for order 1")
Metadata	
DoubleId	(description="wavelengths for order 1", quantity="micron [1.0E-6 m]")
array dataset	(description="wavelengths for order 2")
Metadata	
DoubleId	(description="wavelengths for order 2", quantity="micron [1.0E-6 m]")
array dataset	(description="wavelengths for extreme order 2")
Metadata	
DoubleId	(description="wavelengths for extreme order 2", quantity="micron [1.0E-6 m]")
array dataset	(description="wavelengths for order 3")
Metadata	
DoubleId	(description="wavelengths for order 3", quantity="micron [1.0E-6 m]")
array dataset	(description="continuum rms noise unit jy for order 1")
Metadata	
DoubleId	(description="continuum rms noise unit jy for order 1", quantity="Jy [1.0E-26 W/m2/Hz]")
array dataset	(description="continuum rms noise unit jy for order 2")
Metadata	
DoubleId	(description="continuum rms noise unit jy for order 2", quantity="Jy [1.0E-26 W/m2/Hz]")
array dataset	(description="continuum rms noise unit jy for order 23")
Metadata	
DoubleId	(description="continuum rms noise unit jy for order 23", quantity="Jy [1.0E-26 W/m2/Hz]")
array dataset	(description="continuum rms noise unit jy for order 3")

<i>Metadata</i>	
<i>Double1d</i>	(description="continuum rms noise unit jy for order 3", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>array dataset</i>	(description="line rms noise unit W/m^2 for order 1")
<i>Metadata</i>	
<i>Double1d</i>	(description="line rms noise unit W/m^2 for order 1", quantity="W/m2")
<i>array dataset</i>	(description="line rms noise unit W/m^2 for order 2")
<i>Metadata</i>	
<i>Double1d</i>	(description="line rms noise unit W/m^2 for order 2", quantity="W/m2")
<i>array dataset</i>	(description="line rms noise unit W/m^2 for order 23")
<i>Metadata</i>	
<i>Double1d</i>	(description="line rms noise unit W/m^2 for order 23", quantity="W/m2")
<i>array dataset</i>	(description="line rms noise unit W/m^2 for order 3")
<i>Metadata</i>	
<i>Double1d</i>	(description="line rms noise unit W/m^2 for order 3", quantity="W/m2")

4.3.22. SignalSatLimits

<i>product</i> (type="SignalSatLimits", description="contains the signal saturation limits (digits/second) for the red and blue array scaled for 1 second reset interval")	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	calFileId (description="null")
StringParameter	formatVersion (description="Calfile Format version")
StringParameter	fileName (description="null")
LongParameter	calFileVersion (description="null")
StringParameter	author (description="Author of the data")
<i>array dataset</i>	(description="dynamic range of red array for 1 sec reset interval, sat limit for &")
<i>Metadata</i>	
<i>Double3d</i>	(description="dynamic range of red array for 1 sec reset interval, sat limit for &", quantity="1/s")
	(description="dynamic range of blue array for 1 sec reset interval, sat limit for&")

<i>array dataset</i>	
<i>Metadata</i>	
<i>Double3d</i>	(description="dynamic range of blue array for 1 sec reset interval, sat limit for&", quantity="none")

4.3.23. SpecProperties

<i>product (type="SpecProperties", description="spectrometer constants to calculate spectral resolution vs. wavelength")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	calFileId (description="null")
StringParameter	formatVersion (description="Calfile Format version")
StringParameter	fileName (description="null")
LongParameter	calFileVersion (description="null")
StringParameter	author (description="Author of the data")
<i>array dataset</i>	(description="grating constant in grooves per mm")
<i>Metadata</i>	
<i>Double1d</i>	(description="grating constant in grooves per mm", quantity="1/mm [1000.0 m-1]")
<i>array dataset</i>	(description="beam diameter in mm")
<i>Metadata</i>	
<i>Double1d</i>	(description="beam diameter in mm", quantity="mm [0.0010 m]")
<i>array dataset</i>	(description="scale")
<i>Metadata</i>	
<i>Double1d</i>	(description="scale", quantity="")
<i>array dataset</i>	(description="speed of light in km/s")
<i>Metadata</i>	
<i>Double1d</i>	(description="speed of light in km/s", quantity="km/s [1000.0 m/s]")

4.3.24. TelescopeBackground

<i>product (type="TelescopeBackground", description="SED of the telescope background")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	calFileId (description="null")
StringParameter	formatVersion (description="Calfile Format version")
StringParameter	fileName (description="null")
LongParameter	calFileVersion (description="null")
StringParameter	author (description="Author of the data")
<i>array dataset</i>	<i>(description="wavelengths")</i>
<i>Metadata</i>	
<i>DoubleId</i>	<i>(description="wavelengths", quantity="micron [1.0E-6 m])</i>
<i>array dataset</i>	<i>(description="telescope flux in unit jy")</i>
<i>Metadata</i>	
<i>DoubleId</i>	<i>(description="telescope flux in unit jy", quantity="Jy [1.0E-26 W/m2/Hz])</i>
<i>array dataset</i>	<i>(description="telescope flux in unit W/pix")</i>
<i>Metadata</i>	
<i>DoubleId</i>	<i>(description="telescope flux in unit W/pix", quantity="W")</i>

4.3.25. TimeDependency

<i>product (type="TimeDependency", description="Defines time dependency for calibration products.")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")

StringParameter	calFileId (description="Calfile Type identifier")
StringParameter	formatVersion (description="Calfile Format version")
LongParameter	calFileVersion (description="Calfile version")
StringParameter	scope (description="null")
StringParameter	fileName (description="Filename used for saving FITS file")
StringParameter	author (description="null")
StringParameter	versionNotes (description="null")
<i>table dataset</i>	(description="Time Dependency Table for FM")
<i>Metadata</i>	
StringParameter	modelName (description="The instrument model name")
DateParameter	lastUpdated (description="null")
StringParameter	lastUpdatedBy (description="null")
StringParameter	scope (description="scope can take values of BASE, TEST, or PRIVATE")
<i>StringId</i>	type (description="null", quantity="none")
<i>StringId</i>	unit (description="null", quantity="none")
<i>LongId</i>	time (description="null", quantity="none")
<i>LongId</i>	version (description="null", quantity="none")
<i>StringId</i>	comment (description="null", quantity="none")

Chapter 5. SPIRE Observational Products

5.1. SPIRE Level-0 Products

5.1.1. RPDT: Raw Photometer Detector Timeline

<i>product (type="RPDT", description="Raw Photometer Detector Timeline")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	aorLabel (description="AOR Label as entered in HSpot")
StringParameter	aot (description="AOT Identifier")
StringParameter	author (description="Author of the Data")
StringParameter	cusMode (description="null")
DoubleParameter	dec (description="Actual Declination of pointing")
DoubleParameter	decNominal (description="Requested Declination of pointing")
DoubleParameter	equinox (description="Equinox of celestial coordinate system")
StringParameter	instMode (description="null")
StringParameter	fileName (description="file name for export")
StringParameter	missionConfig (description="Mission configuration")
StringParameter	naifId (description="SSO NAIF identifier")
StringParameter	object (description="Target name")
StringParameter	observer (description="Observer name")
LongParameter	obsid (description="null")
StringParameter	obsMode (description="null")
LongParameter	odNumber (description="null")
StringParameter	pointingMode (description="Pointing mode")
DoubleParameter	posAngle (description="Position Angle of pointing")
StringParameter	proposal (description="Proposal name")
DoubleParameter	ra (description="Actual Right Ascension of pointing")
StringParameter	raDeSys (description="Coordinate reference frame for the RA and DEC")
DoubleParameter	raNominal (description="Requested Right Ascension of pointing")
StringParameter	telescope (description="Name of telescope")
StringParameter	subsystem (description="Instrument subsystem")

LongParameter	bbid (description="Building Block Identifier")	
StringParameter	source (description="TM source packet name")	
StringParameter	elecSide (description="Electronic side")	
StringParameter	bbTypeName (description="Building block type name")	
table dataset	(description="Photometer Full Array (Nominal Science Report)")	
	Metadata	
	Int1d	PHOTFARRAY001 (description="Parameter Value", quantity="")
	Int1d	PHOTFARRAY002 (description="Parameter Value", quantity="")
	Int1d	PHOTFARRAY003 (description="Parameter Value", quantity="")
	Int1d	PHOTFARRAY004 (description="Parameter Value", quantity="")
	Int1d	PHOTFARRAY005 (description="Parameter Value", quantity="")
	Int1d	PHOTFARRAY006 (description="Parameter Value", quantity="")
	Int1d	PHOTFARRAY007 (description="Parameter Value", quantity="")
	Int1d	PHOTFARRAY008 (description="Parameter Value", quantity="")
	Int1d	PHOTFARRAY009 (description="Parameter Value", quantity="")
	Int1d	PHOTFARRAY010 (description="Parameter Value", quantity="")
	Int1d	PHOTFARRAY011 (description="Parameter Value", quantity="")
	Int1d	PHOTFARRAY012 (description="Parameter Value", quantity="")
	Int1d	PHOTFARRAY013 (description="Parameter Value", quantity="")
	Int1d	PHOTFARRAY014 (description="Parameter Value", quantity="")
	Int1d	PHOTFARRAY015 (description="Parameter Value", quantity="")
	Int1d	PHOTFARRAY016 (description="Parameter Value", quantity="")
	Int1d	PHOTFARRAY017 (description="Parameter Value", quantity="")
	Int1d	PHOTFARRAY018 (description="Parameter Value", quantity="")
	Int1d	PHOTFARRAY019 (description="Parameter Value", quantity="")
	Int1d	PHOTFARRAY020 (description="Parameter Value", quantity="")
	Int1d	PHOTFARRAY021 (description="Parameter Value", quantity="")
	Int1d	PHOTFARRAY022 (description="Parameter Value", quantity="")
	Int1d	PHOTFARRAY023 (description="Parameter Value", quantity="")
	Int1d	PHOTFARRAY024 (description="Parameter Value", quantity="")
	Int1d	PHOTFARRAY025 (description="Parameter Value", quantity="")
	Int1d	PHOTFARRAY026 (description="Parameter Value", quantity="")
	Int1d	PHOTFARRAY027 (description="Parameter Value", quantity="")
	Int1d	PHOTFARRAY028 (description="Parameter Value", quantity="")
	Int1d	PHOTFARRAY029 (description="Parameter Value", quantity="")
	Int1d	PHOTFARRAY030 (description="Parameter Value", quantity="")
	Int1d	PHOTFARRAY031 (description="Parameter Value", quantity="")
	Int1d	PHOTFARRAY032 (description="Parameter Value", quantity="")
	Int1d	PHOTFARRAY033 (description="Parameter Value", quantity="")
	Int1d	PHOTFARRAY034 (description="Parameter Value", quantity="")
	Int1d	PHOTFARRAY035 (description="Parameter Value", quantity="")
	Int1d	PHOTFARRAY036 (description="Parameter Value", quantity="")

<i>IntId</i>	PHOTFADCFLGS (description="Parameter Value", quantity="")
<i>LongId</i>	PHOTFFRAMETIME (description="Parameter Value", quantity="")
<i>LongId</i>	sdfTime (description="SpireDataFrame time", quantity="")
<i>LongId</i>	packetTime (description="TM packet time", quantity="")
<i>IntId</i>	seqCount (description="Sequence count", quantity="")

5.1.2. RPOT: Raw Photometer Offset Timeline

<i>product (type="RPOT", description="Raw Photometer Offset Timeline")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	aorLabel (description="AOR Label as entered in HSpot")
StringParameter	aot (description="AOT Identifier")
StringParameter	author (description="Author of the Data")
StringParameter	cusMode (description="null")
DoubleParameter	dec (description="Actual Declination of pointing")
DoubleParameter	decNominal (description="Requested Declination of pointing")
DoubleParameter	equinox (description="Equinox of celestial coordinate system")
StringParameter	instMode (description="null")
StringParameter	fileName (description="file name for export")
StringParameter	missionConfig (description="Mission configuration")
StringParameter	naifId (description="SSO NAIF identifier")
StringParameter	object (description="Target name")
StringParameter	observer (description="Observer name")
LongParameter	obsid (description="null")
StringParameter	obsMode (description="null")
LongParameter	odNumber (description="null")
StringParameter	pointingMode (description="Pointing mode")
DoubleParameter	posAngle (description="Position Angle of pointing")
StringParameter	proposal (description="Proposal name")
DoubleParameter	ra (description="Actual Right Ascension of pointing")
StringParameter	raDeSys (description="Coordinate reference frame for the RA and DEC")
DoubleParameter	raNominal (description="Requested Right Ascension of pointing")
StringParameter	telescope (description="Name of telescope")
StringParameter	subsystem (description="Instrument subsystem")

SPIRE Observational Products

LongParameter	bbid (description="Building Block Identifier")	
StringParameter	source (description="TM source packet name")	
StringParameter	elecSide (description="Electronic side")	
StringParameter	bbTypeName (description="Building block type name")	
table dataset	(description="Photometer Offsets")	
	Metadata	
	Int1d	PHOTOFF001 (description="Parameter Value", quantity="")
	Int1d	PHOTOFF002 (description="Parameter Value", quantity="")
	Int1d	PHOTOFF003 (description="Parameter Value", quantity="")
	Int1d	PHOTOFF004 (description="Parameter Value", quantity="")
	Int1d	PHOTOFF005 (description="Parameter Value", quantity="")
	Int1d	PHOTOFF006 (description="Parameter Value", quantity="")
	Int1d	PHOTOFF007 (description="Parameter Value", quantity="")
	Int1d	PHOTOFF008 (description="Parameter Value", quantity="")
	Int1d	PHOTOFF009 (description="Parameter Value", quantity="")
	Int1d	PHOTOFF010 (description="Parameter Value", quantity="")
	Int1d	PHOTOFF011 (description="Parameter Value", quantity="")
	Int1d	PHOTOFF012 (description="Parameter Value", quantity="")
	Int1d	PHOTOFF013 (description="Parameter Value", quantity="")
	Int1d	PHOTOFF014 (description="Parameter Value", quantity="")
	Int1d	PHOTOFF015 (description="Parameter Value", quantity="")
	Int1d	PHOTOFF016 (description="Parameter Value", quantity="")
	Int1d	PHOTOFF017 (description="Parameter Value", quantity="")
	Int1d	PHOTOFF018 (description="Parameter Value", quantity="")
	Int1d	PHOTOFF019 (description="Parameter Value", quantity="")
	Int1d	PHOTOFF020 (description="Parameter Value", quantity="")
	Int1d	PHOTOFF021 (description="Parameter Value", quantity="")
	Int1d	PHOTOFF022 (description="Parameter Value", quantity="")
	Int1d	PHOTOFF023 (description="Parameter Value", quantity="")
	Int1d	PHOTOFF024 (description="Parameter Value", quantity="")
	Int1d	PHOTOFF025 (description="Parameter Value", quantity="")
	Int1d	PHOTOFF026 (description="Parameter Value", quantity="")
	Int1d	PHOTOFF027 (description="Parameter Value", quantity="")
	Int1d	PHOTOFF028 (description="Parameter Value", quantity="")
	Int1d	PHOTOFF029 (description="Parameter Value", quantity="")
	Int1d	PHOTOFF030 (description="Parameter Value", quantity="")
	Int1d	PHOTOFF031 (description="Parameter Value", quantity="")
	Int1d	PHOTOFF032 (description="Parameter Value", quantity="")
	Int1d	PHOTOFF033 (description="Parameter Value", quantity="")
	Int1d	PHOTOFF034 (description="Parameter Value", quantity="")
	Int1d	PHOTOFF035 (description="Parameter Value", quantity="")
	Int1d	PHOTOFF036 (description="Parameter Value", quantity="")

<i>IntId</i>	PHOTOFFADCFLGS (description="Parameter Value", quantity="")
<i>LongId</i>	PHOTOFFFRAMETIME (description="Parameter Value", quantity="")
<i>LongId</i>	sdfTime (description="SpireDataFrame time", quantity="")
<i>LongId</i>	packetTime (description="TM packet time", quantity="")
<i>IntId</i>	seqCount (description="Sequence count", quantity="")

5.1.3. RSDT: Raw Spectrometer Detector Timeline

<i>product (type="RSDT", description="Raw Spectrometer Detector Timeline")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	aorLabel (description="AOR Label as entered in HSpot")
StringParameter	aot (description="AOT Identifier")
StringParameter	author (description="Author of the Data")
StringParameter	cusMode (description="CUS observation mode")
DoubleParameter	dec (description="Actual Declination of pointing")
DoubleParameter	decNominal (description="Requested Declination of pointing")
DoubleParameter	equinox (description="Equinox of celestial coordinate system")
StringParameter	instMode (description="Instrument mode")
StringParameter	fileName (description="file name for export")
StringParameter	missionConfig (description="Mission configuration")
StringParameter	naifId (description="SSO NAIF identifier")
StringParameter	object (description="Target name")
StringParameter	observer (description="Observer name")
LongParameter	obsid (description="Observation identifier")
StringParameter	obsMode (description="Observing mode")
LongParameter	odNumber (description="Operational day number")
StringParameter	pointingMode (description="Pointing mode")
DoubleParameter	posAngle (description="Position Angle of pointing")
StringParameter	proposal (description="Proposal name")
DoubleParameter	ra (description="Actual Right Ascension of pointing")
StringParameter	raDeSys (description="Coordinate reference frame for the RA and DEC")
DoubleParameter	raNominal (description="Requested Right Ascension of pointing")
StringParameter	telescope (description="Name of telescope")

StringParameter	subsystem (description="Instrument subsystem")	
LongParameter	bbid (description="Building Block Identifier")	
StringParameter	source (description="TM source packet name")	
StringParameter	bbTypeName (description="Building block type name")	
table dataset	(description="Spectrometer Full Array (Nominal Science Report)")	
	Metadata	
	IntId	SPECFARRAY001 (description="Parameter Value", quantity="")
	IntId	SPECFARRAY002 (description="Parameter Value", quantity="")
	IntId	SPECFARRAY003 (description="Parameter Value", quantity="")
	IntId	SPECFARRAY004 (description="Parameter Value", quantity="")
	IntId	SPECFARRAY005 (description="Parameter Value", quantity="")
	IntId	SPECFARRAY006 (description="Parameter Value", quantity="")
	IntId	SPECFARRAY007 (description="Parameter Value", quantity="")
	IntId	SPECFARRAY008 (description="Parameter Value", quantity="")
	IntId	SPECFARRAY009 (description="Parameter Value", quantity="")
	IntId	SPECFARRAY010 (description="Parameter Value", quantity="")
	IntId	SPECFARRAY011 (description="Parameter Value", quantity="")
	IntId	SPECFARRAY012 (description="Parameter Value", quantity="")
	IntId	SPECFARRAY013 (description="Parameter Value", quantity="")
	IntId	SPECFARRAY014 (description="Parameter Value", quantity="")
	IntId	SPECFARRAY015 (description="Parameter Value", quantity="")
	IntId	SPECFARRAY016 (description="Parameter Value", quantity="")
	IntId	SPECFARRAY017 (description="Parameter Value", quantity="")
	IntId	SPECFARRAY018 (description="Parameter Value", quantity="")
	IntId	SPECFARRAY019 (description="Parameter Value", quantity="")
	IntId	SPECFARRAY020 (description="Parameter Value", quantity="")
	IntId	SPECFARRAY021 (description="Parameter Value", quantity="")
	IntId	SPECFARRAY022 (description="Parameter Value", quantity="")
	IntId	SPECFARRAY023 (description="Parameter Value", quantity="")
	IntId	SPECFARRAY024 (description="Parameter Value", quantity="")
	IntId	SPECFARRAY025 (description="Parameter Value", quantity="")
	IntId	SPECFARRAY026 (description="Parameter Value", quantity="")
	IntId	SPECFARRAY027 (description="Parameter Value", quantity="")
	IntId	SPECFARRAY028 (description="Parameter Value", quantity="")
	IntId	SPECFARRAY029 (description="Parameter Value", quantity="")
	IntId	SPECFARRAY030 (description="Parameter Value", quantity="")
	IntId	SPECFARRAY031 (description="Parameter Value", quantity="")
	IntId	SPECFARRAY032 (description="Parameter Value", quantity="")
	IntId	SPECFARRAY033 (description="Parameter Value", quantity="")
	IntId	SPECFARRAY034 (description="Parameter Value", quantity="")
	IntId	SPECFARRAY035 (description="Parameter Value", quantity="")
	IntId	SPECFARRAY036 (description="Parameter Value", quantity="")

<i>IntId</i>	SPECFARRAY037 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECFARRAY038 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECFARRAY039 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECFARRAY040 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECFARRAY041 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECFARRAY042 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECFARRAY043 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECFARRAY044 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECFARRAY045 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECFARRAY046 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECFARRAY047 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECFARRAY048 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECFARRAY049 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECFARRAY050 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECFARRAY051 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECFARRAY052 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECFARRAY053 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECFARRAY054 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECFARRAY055 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECFARRAY056 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECFARRAY057 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECFARRAY058 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECFARRAY059 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECFARRAY060 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECFARRAY061 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECFARRAY062 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECFARRAY063 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECFARRAY064 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECFARRAY065 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECFARRAY066 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECFARRAY067 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECFARRAY068 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECFARRAY069 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECFARRAY070 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECFARRAY071 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECFARRAY072 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECFADCFLGS (description="Parameter Value", quantity="")
<i>LongId</i>	SPECFFRAMETIME (description="Parameter Value", quantity="")
<i>LongId</i>	sdfTime (description="SpireDataFrame time", quantity="")
<i>LongId</i>	packetTime (description="TM packet time", quantity="")
<i>LongId</i>	seqCount (description="Sequence count", quantity="")

5.1.4. RSOT: Raw Spectrometer Offset Timeline

<i>product</i> (type="RSOT", description="Raw Spectrometer Offset Timeline")	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	aorLabel (description="AOR Label as entered in HSpot")
StringParameter	aot (description="AOT Identifier")
StringParameter	author (description="Author of the Data")
StringParameter	cusMode (description="CUS observation mode")
DoubleParameter	dec (description="Actual Declination of pointing")
DoubleParameter	decNominal (description="Requested Declination of pointing")
DoubleParameter	equinox (description="Equinox of celestial coordinate system")
StringParameter	instMode (description="Instrument mode")
StringParameter	fileName (description="file name for export")
StringParameter	missionConfig (description="Mission configuration")
StringParameter	naifId (description="SSO NAIF identifier")
StringParameter	object (description="Target name")
StringParameter	observer (description="Observer name")
LongParameter	obsid (description="Observation identifier")
StringParameter	obsMode (description="Observing mode")
LongParameter	odNumber (description="Operational day number")
StringParameter	pointingMode (description="Pointing mode")
DoubleParameter	posAngle (description="Position Angle of pointing")
StringParameter	proposal (description="Proposal name")
DoubleParameter	ra (description="Actual Right Ascension of pointing")
StringParameter	raDeSys (description="Coordinate reference frame for the RA and DEC")
DoubleParameter	raNominal (description="Requested Right Ascension of pointing")
StringParameter	telescope (description="Name of telescope")
StringParameter	subsystem (description="Instrument subsystem")
LongParameter	bbid (description="Building Block Identifier")
StringParameter	source (description="TM source packet name")
StringParameter	bbTypeName (description="Building block type name")
<i>table dataset</i>	(description="Spectrometer Offsets")
<i>Metadata</i>	
<i>IntId</i>	SPECOFF001 (description="Parameter Value", quantity="")

<i>IntId</i>	SPECOFF044 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECOFF045 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECOFF046 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECOFF047 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECOFF048 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECOFF049 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECOFF050 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECOFF051 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECOFF052 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECOFF053 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECOFF054 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECOFF055 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECOFF056 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECOFF057 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECOFF058 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECOFF059 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECOFF060 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECOFF061 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECOFF062 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECOFF063 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECOFF064 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECOFF065 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECOFF066 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECOFF067 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECOFF068 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECOFF069 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECOFF070 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECOFF071 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECOFF072 (description="Parameter Value", quantity="")
<i>IntId</i>	SPECOFFADCFLGS (description="Parameter Value", quantity="")
<i>LongId</i>	SPECOFFFRAMETIME (description="Parameter Value", quantity="")
<i>LongId</i>	sdfTime (description="SpireDataFrame time", quantity="")
<i>LongId</i>	packetTime (description="TM packet time", quantity="")
<i>LongId</i>	seqCount (description="Sequence count", quantity="")

5.1.5. RNHKT: Raw Nominal House Keeping Timeline

<i>product</i> (type="RNHKT", description="Raw Nominal House Keeping Timeline")	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")

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DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	aorLabel (description="AOR Label as entered in HSpot")
StringParameter	aot (description="AOT Identifier")
StringParameter	author (description="Author of the Data")
StringParameter	cusMode (description="null")
DoubleParameter	dec (description="Actual Declination of pointing")
DoubleParameter	decNominal (description="Requested Declination of pointing")
DoubleParameter	equinox (description="Equinox of celestial coordinate system")
StringParameter	instMode (description="null")
StringParameter	fileName (description="file name for export")
StringParameter	missionConfig (description="Mission configuration")
StringParameter	naifId (description="SSO NAIF identifier")
StringParameter	object (description="Target name")
StringParameter	observer (description="Observer name")
LongParameter	obsid (description="null")
StringParameter	obsMode (description="null")
LongParameter	odNumber (description="null")
StringParameter	pointingMode (description="Pointing mode")
DoubleParameter	posAngle (description="Position Angle of pointing")
StringParameter	proposal (description="Proposal name")
DoubleParameter	ra (description="Actual Right Ascension of pointing")
StringParameter	raDeSys (description="Coordinate reference frame for the RA and DEC")
DoubleParameter	raNominal (description="Requested Right Ascension of pointing")
StringParameter	telescope (description="Name of telescope")
StringParameter	subsystem (description="Instrument subsystem")
LongParameter	bbid (description="Building Block Identifier")
StringParameter	source (description="TM source packet name")
StringParameter	elecSide (description="Electronic side")
StringParameter	bbTypeName (description="Building block type name")
<i>table dataset</i>	<i>(description="Nominal HK Parameter Report")</i>
<i>Metadata</i>	
<i>ShortId</i>	NHK_VERS (description="Parameter Value", quantity="")
<i>ShortId</i>	NHK_TYPE (description="Parameter Value", quantity="")
<i>ShortId</i>	NHK_DFHFLAG (description="Parameter Value", quantity="")
<i>ShortId</i>	NHK_APID (description="Parameter Value", quantity="")
<i>ShortId</i>	NHK_SEGFLAG (description="Parameter Value", quantity="")
<i>ShortId</i>	NHK_SSC (description="Parameter Value", quantity="")

<i>Int1d</i>	NHK_PKTLEN (description="Parameter Value", quantity="")
<i>Short1d</i>	NHK_PUSVERS (description="Parameter Value", quantity="")
<i>Short1d</i>	NHK_PKTTYPE (description="Parameter Value", quantity="")
<i>Short1d</i>	NHK_PKTSTYPE (description="Parameter Value", quantity="")
<i>Long1d</i>	NHK_PKTCTIME (description="Parameter Value", quantity="")
<i>Int1d</i>	NHK_PKTFTIME (description="Parameter Value", quantity="")
<i>Int1d</i>	BBFULLTYPE (description="Parameter Value", quantity="")
<i>Int1d</i>	MODE (description="Parameter Value", quantity="")
<i>Int1d</i>	STEP (description="Parameter Value", quantity="")
<i>Long1d</i>	THSK (description="Parameter Value", quantity="")
<i>Long1d</i>	TRESET (description="Parameter Value", quantity="")
<i>Int1d</i>	TCRECV (description="Parameter Value", quantity="")
<i>Int1d</i>	TCRECN (description="Parameter Value", quantity="")
<i>Int1d</i>	TCEXEC (description="Parameter Value", quantity="")
<i>Int1d</i>	TCEXEN (description="Parameter Value", quantity="")
<i>Int1d</i>	TM1N (description="Parameter Value", quantity="")
<i>Int1d</i>	TM2N (description="Parameter Value", quantity="")
<i>Int1d</i>	TM3N (description="Parameter Value", quantity="")
<i>Int1d</i>	TM4N (description="Parameter Value", quantity="")
<i>Int1d</i>	TM5N (description="Parameter Value", quantity="")
<i>Int1d</i>	DCUFRAMECNT (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUFRAMECNT (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUFRAMECNT (description="Parameter Value", quantity="")
<i>Long1d</i>	TSYNC (description="Parameter Value", quantity="")
<i>Long1d</i>	TDIFF (description="Parameter Value", quantity="")
<i>Int1d</i>	MEMSTAT_1 (description="Parameter Value", quantity="")
<i>Int1d</i>	MEMSTAT_2 (description="Parameter Value", quantity="")
<i>Int1d</i>	MEMSTAT_3 (description="Parameter Value", quantity="")
<i>Int1d</i>	MONSTAT (description="Parameter Value", quantity="")
<i>Short1d</i>	DCULSIFSTAT (description="Parameter Value", quantity="")
<i>Short1d</i>	DCUHSIFMODE (description="Parameter Value", quantity="")
<i>Short1d</i>	MCULSIFSTAT (description="Parameter Value", quantity="")
<i>Short1d</i>	MCUHSIFMODE (description="Parameter Value", quantity="")
<i>Short1d</i>	SCULSIFSTAT (description="Parameter Value", quantity="")
<i>Short1d</i>	SCUHSIFMODE (description="Parameter Value", quantity="")
<i>Int1d</i>	BBCOUNT (description="Parameter Value", quantity="")
<i>Int1d</i>	VMSTAT (description="Parameter Value", quantity="")
<i>Int1d</i>	VM1STAT (description="Parameter Value", quantity="")
<i>Int1d</i>	VM2STAT (description="Parameter Value", quantity="")
<i>Int1d</i>	VM3STAT (description="Parameter Value", quantity="")
<i>Int1d</i>	VMSTATAFX (description="Parameter Value", quantity="")
<i>Int1d</i>	SD_VALUE0 (description="Parameter Value", quantity="")

<i>Int1d</i>	SD_ADDRESS0 (description="Parameter Value", quantity="")
<i>Int1d</i>	SD_VALUE1 (description="Parameter Value", quantity="")
<i>Int1d</i>	SD_ADDRESS1 (description="Parameter Value", quantity="")
<i>Int1d</i>	SD_VALUE2 (description="Parameter Value", quantity="")
<i>Int1d</i>	SD_ADDRESS2 (description="Parameter Value", quantity="")
<i>Int1d</i>	SD_VALUE3 (description="Parameter Value", quantity="")
<i>Int1d</i>	SD_ADDRESS3 (description="Parameter Value", quantity="")
<i>Int1d</i>	DPUP5V (description="Parameter Value", quantity="")
<i>Int1d</i>	DPUP15V (description="Parameter Value", quantity="")
<i>Int1d</i>	DPUM15V (description="Parameter Value", quantity="")
<i>Int1d</i>	DPUTEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	CPULOAD (description="Parameter Value", quantity="")
<i>Long1d</i>	LSLOAD (description="Parameter Value", quantity="")
<i>Int1d</i>	DPUP2_5V (description="Parameter Value", quantity="")
<i>Int1d</i>	DCUDATAMODE (description="Parameter Value", quantity="")
<i>Int1d</i>	DCUDATAFRMS (description="Parameter Value", quantity="")
<i>Int1d</i>	DCUDATASTAT (description="Parameter Value", quantity="")
<i>Int1d</i>	PHOTBIASDIV (description="Parameter Value", quantity="")
<i>Int1d</i>	PHOTBIASMODE (description="Parameter Value", quantity="")
<i>Int1d</i>	PHOTMCLKDIV (description="Parameter Value", quantity="")
<i>Int1d</i>	PSWBIAS (description="Parameter Value", quantity="")
<i>Int1d</i>	PMWBIAS (description="Parameter Value", quantity="")
<i>Int1d</i>	PLWBIAS (description="Parameter Value", quantity="")
<i>Int1d</i>	TCBIAS (description="Parameter Value", quantity="")
<i>Int1d</i>	PSWPHASE (description="Parameter Value", quantity="")
<i>Int1d</i>	PMWPHASE (description="Parameter Value", quantity="")
<i>Int1d</i>	PLWPHASE (description="Parameter Value", quantity="")
<i>Int1d</i>	TCPHASE (description="Parameter Value", quantity="")
<i>Int1d</i>	PSWJFETSTAT (description="Parameter Value", quantity="")
<i>Short1d</i>	PSW_VDD_JFET1 (description="Parameter Value", quantity="")
<i>Short1d</i>	PSW_VDD_JFET2 (description="Parameter Value", quantity="")
<i>Short1d</i>	PSW_VDD_JFET3 (description="Parameter Value", quantity="")
<i>Short1d</i>	PSW_VDD_JFET4 (description="Parameter Value", quantity="")
<i>Short1d</i>	PSW_VDD_JFET5 (description="Parameter Value", quantity="")
<i>Short1d</i>	PSW_VDD_JFET6 (description="Parameter Value", quantity="")
<i>Int1d</i>	PMLWJFETSTAT (description="Parameter Value", quantity="")
<i>Short1d</i>	PMW_VDD_JFET1 (description="Parameter Value", quantity="")
<i>Short1d</i>	PMW_VDD_JFET2 (description="Parameter Value", quantity="")
<i>Short1d</i>	PMW_VDD_JFET3 (description="Parameter Value", quantity="")
<i>Short1d</i>	PMW_VDD_JFET4 (description="Parameter Value", quantity="")
<i>Short1d</i>	PLW_VDD_JFET1 (description="Parameter Value", quantity="")
<i>Short1d</i>	PLW_VDD_JFET2 (description="Parameter Value", quantity="")

<i>ShortId</i>	TC_VDD_JFET (description="Parameter Value", quantity="")
<i>IntId</i>	PSWJFET1V (description="Parameter Value", quantity="")
<i>IntId</i>	PSWJFET2V (description="Parameter Value", quantity="")
<i>IntId</i>	PSWJFET3V (description="Parameter Value", quantity="")
<i>IntId</i>	PSWJFET4V (description="Parameter Value", quantity="")
<i>IntId</i>	PSWJFET5V (description="Parameter Value", quantity="")
<i>IntId</i>	PSWJFET6V (description="Parameter Value", quantity="")
<i>IntId</i>	PMWJFET1V (description="Parameter Value", quantity="")
<i>IntId</i>	PMWJFET2V (description="Parameter Value", quantity="")
<i>IntId</i>	PMWJFET3V (description="Parameter Value", quantity="")
<i>IntId</i>	PMWJFET4V (description="Parameter Value", quantity="")
<i>IntId</i>	PLWJFET1V (description="Parameter Value", quantity="")
<i>IntId</i>	PLWJFET2V (description="Parameter Value", quantity="")
<i>IntId</i>	PHOTHTRV (description="Parameter Value", quantity="")
<i>IntId</i>	TCJFETV (description="Parameter Value", quantity="")
<i>IntId</i>	SPECBIASDIV (description="Parameter Value", quantity="")
<i>IntId</i>	SPECBIASMODE (description="Parameter Value", quantity="")
<i>IntId</i>	SPECMCLKDIV (description="Parameter Value", quantity="")
<i>IntId</i>	SSWBIAS (description="Parameter Value", quantity="")
<i>IntId</i>	SLWBIAS (description="Parameter Value", quantity="")
<i>IntId</i>	SSWPHASE (description="Parameter Value", quantity="")
<i>IntId</i>	SLWPHASE (description="Parameter Value", quantity="")
<i>IntId</i>	SPECJFETSTAT (description="Parameter Value", quantity="")
<i>ShortId</i>	SLW_VDD_JFET1 (description="Parameter Value", quantity="")
<i>ShortId</i>	SSW_VDD_JFET1 (description="Parameter Value", quantity="")
<i>ShortId</i>	SSW_VDD_JFET2 (description="Parameter Value", quantity="")
<i>IntId</i>	SSWJFET1V (description="Parameter Value", quantity="")
<i>IntId</i>	SSWJFET2V (description="Parameter Value", quantity="")
<i>IntId</i>	SLWJFET1V (description="Parameter Value", quantity="")
<i>IntId</i>	SPECHTRV (description="Parameter Value", quantity="")
<i>IntId</i>	TC1TEMP (description="Parameter Value", quantity="")
<i>IntId</i>	TC2TEMP (description="Parameter Value", quantity="")
<i>IntId</i>	TC3TEMP (description="Parameter Value", quantity="")
<i>IntId</i>	BIASP5V (description="Parameter Value", quantity="")
<i>IntId</i>	BIASP9V (description="Parameter Value", quantity="")
<i>IntId</i>	BIASM9V (description="Parameter Value", quantity="")
<i>IntId</i>	OBSVER (description="Parameter Value", quantity="")
<i>ShortId</i>	OBSVER1 (description="Parameter Value", quantity="")
<i>ShortId</i>	OBSVER2 (description="Parameter Value", quantity="")
<i>ShortId</i>	OBSVER3 (description="Parameter Value", quantity="")
<i>IntId</i>	TMMODE (description="Parameter Value", quantity="")
<i>IntId</i>	FIFO_DF_FLAG (description="Parameter Value", quantity="")

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<i>Int1d</i>	PLIAP5V (description="Parameter Value", quantity="")
<i>Int1d</i>	PLIAP9V (description="Parameter Value", quantity="")
<i>Int1d</i>	PLIAM9V (description="Parameter Value", quantity="")
<i>Int1d</i>	SLIAP5V (description="Parameter Value", quantity="")
<i>Int1d</i>	SLIAP9V (description="Parameter Value", quantity="")
<i>Int1d</i>	SLIAM9V (description="Parameter Value", quantity="")
<i>Int1d</i>	LIAP9TEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	LIAP8TEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	LIAP7TEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	LIAP6TEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	LIAP5TEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	LIAP4TEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	LIAP3TEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	LIAP2TEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	LIAP1TEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	LIAS1TEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	LIAS2TEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	LIAS3TEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	BIASTEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	DAQTEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	LIASSTAT (description="Parameter Value", quantity="")
<i>Short1d</i>	LIAP1STAT (description="Parameter Value", quantity="")
<i>Short1d</i>	LIAP2STAT (description="Parameter Value", quantity="")
<i>Short1d</i>	LIAP3STAT (description="Parameter Value", quantity="")
<i>Short1d</i>	LIAP4STAT (description="Parameter Value", quantity="")
<i>Short1d</i>	LIAP5STAT (description="Parameter Value", quantity="")
<i>Short1d</i>	LIAP6STAT (description="Parameter Value", quantity="")
<i>Short1d</i>	LIAP7STAT (description="Parameter Value", quantity="")
<i>Short1d</i>	LIAP8STAT (description="Parameter Value", quantity="")
<i>Short1d</i>	LIAP9STAT (description="Parameter Value", quantity="")
<i>Short1d</i>	LIAS1STAT (description="Parameter Value", quantity="")
<i>Short1d</i>	LIAS2STAT (description="Parameter Value", quantity="")
<i>Short1d</i>	LIAS3STAT (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUIFSTAT (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUIFCTRL (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUSSDEL (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUP5V (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUP14V (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUM14V (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUP15V (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUM15V (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUMACTEMP (description="Parameter Value", quantity="")

<i>Int1d</i>	MCUSMECTEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUBSMTEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUERR (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUSCHEDCNTLSW (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUSCHEDCNTMSW (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUTM10TSAMPLE (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUFRAMESTART (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUTM12TSAMPLE (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUFRAMES (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUTM14TSAMPLE (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUTM15TSAMPLE (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUTMSTATUS (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUBOOTSTAT (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUDLOADCONF (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECLOSTCOUNT (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECENCPWR (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECLVDTPWR (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECLATCHSTAT (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECLOOPMODE (description="Parameter Value", quantity="")
<i>Int1d</i>	SCANSTART (description="Parameter Value", quantity="")
<i>Int1d</i>	SCANEND (description="Parameter Value", quantity="")
<i>Int1d</i>	SCANFSPEED (description="Parameter Value", quantity="")
<i>Int1d</i>	SCANS (description="Parameter Value", quantity="")
<i>Int1d</i>	SCANMODE (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECKP (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECKD (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECDFILT (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECKI (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECINTLIMIT (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECINTTHRESH (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECRATELIMIT (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECDFILT2 (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECFFGAIN (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECFFOFFSET (description="Parameter Value", quantity="")
<i>Int1d</i>	SCANRSPEED (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECBEMFGAIN (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECMOTORRES (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECMOTORBEMF (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECRATESCALE (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECLVDTOFFSET (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECLVDTSSCALE (description="Parameter Value", quantity="")

<i>Int1d</i>	SMECSTAT (description="Parameter Value", quantity="")
<i>Short1d</i>	SMECFLAG (description="Parameter Value", quantity="")
<i>Short1d</i>	SMECLVDTSIGN (description="Parameter Value", quantity="")
<i>Short1d</i>	SMECINIT (description="Parameter Value", quantity="")
<i>Short1d</i>	SMECSCANDIR (description="Parameter Value", quantity="")
<i>Short1d</i>	SMECSCANCNT (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECENCPOSN (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECENCSIG1 (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECENCSIG2 (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECENCSIG3 (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECLVDTPOSN (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECLVDTACSIG (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECLVDTDCSIG (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECTRAJPOSN (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECDACVAL (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECPOSNDELTA (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECENCFINEPOSN (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECMEANSPEED (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECSKANPOSNERR (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECMOTORCURR (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECMOTORVOLT (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECENCSIG1AMP (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECENCSIG1OFF (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECENCSIG2AMP (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECENCSIG2OFF (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECENCSIG3AMP (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECENCSIG3OFF (description="Parameter Value", quantity="")
<i>Int1d</i>	CHOPSENSPWR (description="Parameter Value", quantity="")
<i>Int1d</i>	CHOPLOOPMODE (description="Parameter Value", quantity="")
<i>Int1d</i>	CHOPPOSN (description="Parameter Value", quantity="")
<i>Int1d</i>	CHOPPOSN2 (description="Parameter Value", quantity="")
<i>Int1d</i>	BSMMODE (description="Parameter Value", quantity="")
<i>Int1d</i>	CHOPFFOFFSET (description="Parameter Value", quantity="")
<i>Int1d</i>	CHOPKP (description="Parameter Value", quantity="")
<i>Int1d</i>	CHOPKD (description="Parameter Value", quantity="")
<i>Int1d</i>	CHOPKI (description="Parameter Value", quantity="")
<i>Int1d</i>	CHOPINTREF (description="Parameter Value", quantity="")
<i>Int1d</i>	CHOPINTLIMIT (description="Parameter Value", quantity="")
<i>Int1d</i>	CHOPFFGAIN (description="Parameter Value", quantity="")
<i>Int1d</i>	CHOPFFGAINDIFF (description="Parameter Value", quantity="")
<i>Int1d</i>	CHOPDIFFTC1 (description="Parameter Value", quantity="")

<i>Int1d</i>	CHOPDIFFTC2 (description="Parameter Value", quantity="")
<i>Int1d</i>	CHOPRATELIMIT (description="Parameter Value", quantity="")
<i>Int1d</i>	CHOPMOTBEMFGAIN (description="Parameter Value", quantity="")
<i>Int1d</i>	CHOPMOTRES (description="Parameter Value", quantity="")
<i>Int1d</i>	CHOPMOTIND (description="Parameter Value", quantity="")
<i>Int1d</i>	CHOPRATESCALE (description="Parameter Value", quantity="")
<i>Int1d</i>	CHOPPOSNSCALE (description="Parameter Value", quantity="")
<i>Int1d</i>	CHOPBEMFRATFIL1 (description="Parameter Value", quantity="")
<i>Int1d</i>	CHOPBEMFRATFIL2 (description="Parameter Value", quantity="")
<i>Int1d</i>	CHOPJIGGCOUPLE (description="Parameter Value", quantity="")
<i>Int1d</i>	BSMSTAT (description="Parameter Value", quantity="")
<i>Int1d</i>	CHOPPOSNERR (description="Parameter Value", quantity="")
<i>Int1d</i>	CHOPSENSSIG (description="Parameter Value", quantity="")
<i>Int1d</i>	CHOPDACVAL (description="Parameter Value", quantity="")
<i>Int1d</i>	CHOPMOTORCURR (description="Parameter Value", quantity="")
<i>Int1d</i>	CHOPMOTORVOLT (description="Parameter Value", quantity="")
<i>Int1d</i>	JIGGSENSPWR (description="Parameter Value", quantity="")
<i>Int1d</i>	JIGGLOOPMODE (description="Parameter Value", quantity="")
<i>Int1d</i>	JIGGPOSN (description="Parameter Value", quantity="")
<i>Int1d</i>	JIGGPOSN2 (description="Parameter Value", quantity="")
<i>Int1d</i>	JIGGFFOFFSET (description="Parameter Value", quantity="")
<i>Int1d</i>	JIGGKP (description="Parameter Value", quantity="")
<i>Int1d</i>	JIGGKD (description="Parameter Value", quantity="")
<i>Int1d</i>	JIGGKI (description="Parameter Value", quantity="")
<i>Int1d</i>	JIGGINTREF (description="Parameter Value", quantity="")
<i>Int1d</i>	JIGGINTLIMIT (description="Parameter Value", quantity="")
<i>Int1d</i>	JIGGFFGAIN (description="Parameter Value", quantity="")
<i>Int1d</i>	JIGGFFGAINDIFF (description="Parameter Value", quantity="")
<i>Int1d</i>	JIGGDIFFTC1 (description="Parameter Value", quantity="")
<i>Int1d</i>	JIGGDIFFTC2 (description="Parameter Value", quantity="")
<i>Int1d</i>	JIGGRATELIMIT (description="Parameter Value", quantity="")
<i>Int1d</i>	JIGGMOTBEMFGAIN (description="Parameter Value", quantity="")
<i>Int1d</i>	JIGGMOTRES (description="Parameter Value", quantity="")
<i>Int1d</i>	JIGGMOTIND (description="Parameter Value", quantity="")
<i>Int1d</i>	JIGGRATESCALE (description="Parameter Value", quantity="")
<i>Int1d</i>	JIGGPOSNSCALE (description="Parameter Value", quantity="")
<i>Int1d</i>	JIGGBEMFRATFIL1 (description="Parameter Value", quantity="")
<i>Int1d</i>	JIGGBEMFRATFIL2 (description="Parameter Value", quantity="")
<i>Int1d</i>	JIGGCHOPCOUPLE (description="Parameter Value", quantity="")
<i>Int1d</i>	JIGGPOSNERR (description="Parameter Value", quantity="")
<i>Int1d</i>	JIGGSENSSIG (description="Parameter Value", quantity="")

<i>Int1d</i>	JIGGDACVAL (description="Parameter Value", quantity="")
<i>Int1d</i>	JIGGMOTORCURR (description="Parameter Value", quantity="")
<i>Int1d</i>	JIGGMOTORVOLT (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUPCKT10PARM05 (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUPCKT10PARM01 (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUPCKT10PARM02 (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUPCKT10PARM03 (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUPCKT10PARM04 (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUPCKT12PARM01 (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUPCKT12PARM02 (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUPCKT12PARM03 (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUPCKT12PARM04 (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUPCKT12PARM05 (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUPCKT12PARM06 (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUPCKT14PARM01 (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUPCKT14PARM02 (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUPCKT14PARM03 (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUPCKT14PARM04 (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUPCKT14PARM05 (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUPCKT14PARM06 (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUPCKT14PARM07 (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUPCKT14PARM08 (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUPCKT14PARM09 (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUPCKT14PARM10 (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUPCKT14PARM11 (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUPCKT14PARM12 (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUPCKT14PARM13 (description="Parameter Value", quantity="")
<i>Int1d</i>	MCUPCKT14PARM14 (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUIFSTAT (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUIFCTRL (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUSSDEL (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUSTAT (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUTEMPSTAT (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUDCDCSTAT (description="Parameter Value", quantity="")
<i>Short1d</i>	PLIABITSTAT (description="Parameter Value", quantity="")
<i>Short1d</i>	SLIABITSTAT (description="Parameter Value", quantity="")
<i>Short1d</i>	MCUBITSTAT (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUP5V (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUP9V (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUM9V (description="Parameter Value", quantity="")
<i>Int1d</i>	EVHSV (description="Parameter Value", quantity="")
<i>Int1d</i>	SPHSV (description="Parameter Value", quantity="")

<i>Int1d</i>	TCHTRV (description="Parameter Value", quantity="")
<i>Int1d</i>	SPHTRV (description="Parameter Value", quantity="")
<i>Int1d</i>	CCUTEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	TCUTEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	PSUTEMP1 (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUFRAMECONF (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUFRAMES (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUFRAMESTAT (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUCTRL (description="Parameter Value", quantity="")
<i>Int1d</i>	PCALV (description="Parameter Value", quantity="")
<i>Int1d</i>	SCAL2V (description="Parameter Value", quantity="")
<i>Int1d</i>	SCAL4V (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUCHT2_5V (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUCHTREF (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUCHTGND (description="Parameter Value", quantity="")
<i>Int1d</i>	PCALCURR (description="Parameter Value", quantity="")
<i>Int1d</i>	SCAL2CURR (description="Parameter Value", quantity="")
<i>Int1d</i>	SCAL4CURR (description="Parameter Value", quantity="")
<i>Int1d</i>	PSUTEMP2 (description="Parameter Value", quantity="")
<i>Int1d</i>	SUBKSTAT (description="Parameter Value", quantity="")
<i>Int1d</i>	PUMPHTRTEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	PUMPHSTEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	EVAPHSTEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	SHUNTTEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	EMCFILTEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	SL0TEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	PL0TEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	OPTTEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	BAFTEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	BSMIFTEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	SCAL2TEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	SCAL4TEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	SCALTEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECIFTEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECTEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	BSMTEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	SUBKTEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUTHTREF (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUTHTGND (description="Parameter Value", quantity="")
<i>Int1d</i>	LOSTTCBLOCK (description="Parameter Value", quantity="")
<i>Int1d</i>	LOSTVBLOCK (description="Parameter Value", quantity="")
<i>Int1d</i>	LOSTHKBLOCK (description="Parameter Value", quantity="")

<i>Int1d</i>	LOSTSDBLOCK (description="Parameter Value", quantity="")
<i>Int1d</i>	LOSTNTBLOCK (description="Parameter Value", quantity="")
<i>Int1d</i>	LS_HP_FIFOSTAT (description="Parameter Value", quantity="")
<i>Int1d</i>	LS_LP_FIFOSTAT (description="Parameter Value", quantity="")
<i>Short1d</i>	MCUPCKT10STAT (description="Parameter Value", quantity="")
<i>Short1d</i>	MCUPCKT12STAT (description="Parameter Value", quantity="")
<i>Short1d</i>	MCUPCKT14STAT (description="Parameter Value", quantity="")
<i>Short1d</i>	MCUPCKT15STAT (description="Parameter Value", quantity="")
<i>Short1d</i>	MCURAMINTEGRITY (description="Parameter Value", quantity="")
<i>Short1d</i>	MCURAMTSTPROG (description="Parameter Value", quantity="")
<i>Short1d</i>	MCURAMTSTDATA (description="Parameter Value", quantity="")
<i>Short1d</i>	MCUPROM2RAMCOPY (description="Parameter Value", quantity="")
<i>Short1d</i>	MCUBOOTMODE (description="Parameter Value", quantity="")
<i>Int1d</i>	SMECSELECTTAB (description="Parameter Value", quantity="")
<i>Int1d</i>	CREC_STEP (description="Parameter Value", quantity="")
<i>Int1d</i>	PTC_STAGE (description="Parameter Value", quantity="")
<i>Int1d</i>	SCAL_STAGE (description="Parameter Value", quantity="")
<i>Int1d</i>	JIGGLE_STEP (description="Parameter Value", quantity="")
<i>Int1d</i>	LOSTRPBLOCK (description="Parameter Value", quantity="")
<i>Int1d</i>	LIAFAILCOUNT (description="Parameter Value", quantity="")
<i>Int1d</i>	SCANRES (description="Parameter Value", quantity="")
<i>Int1d</i>	TABLE7_07_LWORD (description="Parameter Value", quantity="")
<i>Int1d</i>	TABLE7_08_LWORD (description="Parameter Value", quantity="")
<i>Int1d</i>	TABLE7_09_LWORD (description="Parameter Value", quantity="")
<i>Long1d</i>	TABLE7_10 (description="Parameter Value", quantity="")
<i>Long1d</i>	TABLE7_11 (description="Parameter Value", quantity="")
<i>Long1d</i>	TABLE7_12 (description="Parameter Value", quantity="")
<i>Int1d</i>	HK_00 (description="Parameter Value", quantity="")
<i>Int1d</i>	HK_01 (description="Parameter Value", quantity="")
<i>Int1d</i>	HK_02 (description="Parameter Value", quantity="")
<i>Int1d</i>	HK_03 (description="Parameter Value", quantity="")
<i>Int1d</i>	HK_04 (description="Parameter Value", quantity="")
<i>Int1d</i>	HK_05 (description="Parameter Value", quantity="")
<i>Int1d</i>	HK_06 (description="Parameter Value", quantity="")
<i>Int1d</i>	HK_07 (description="Parameter Value", quantity="")
<i>Int1d</i>	HK_08 (description="Parameter Value", quantity="")
<i>Int1d</i>	HK_09 (description="Parameter Value", quantity="")
<i>Int1d</i>	HK_10 (description="Parameter Value", quantity="")
<i>Int1d</i>	HK_11 (description="Parameter Value", quantity="")
<i>Int1d</i>	HK_12 (description="Parameter Value", quantity="")

<i>IntId</i>	HK_13 (description="Parameter Value", quantity="")
<i>IntId</i>	HK_14 (description="Parameter Value", quantity="")
<i>IntId</i>	HK_15 (description="Parameter Value", quantity="")
<i>IntId</i>	HK_16 (description="Parameter Value", quantity="")
<i>IntId</i>	HK_17 (description="Parameter Value", quantity="")
<i>IntId</i>	HK_18 (description="Parameter Value", quantity="")
<i>IntId</i>	HK_19 (description="Parameter Value", quantity="")
<i>IntId</i>	HK_20 (description="Parameter Value", quantity="")
<i>IntId</i>	HK_21 (description="Parameter Value", quantity="")
<i>IntId</i>	HK_22 (description="Parameter Value", quantity="")
<i>IntId</i>	HK_23 (description="Parameter Value", quantity="")
<i>LongId</i>	sdfTime (description="SpireDataFrame time", quantity="")
<i>LongId</i>	packetTime (description="TM packet time", quantity="")
<i>IntId</i>	seqCount (description="Sequence count", quantity="")

5.1.6. RCHKT: Raw Critical House Keeping Timeline

<i>product (type="RCHKT", description="Raw Critical House Keeping Timeline")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	aorLabel (description="AOR Label as entered in HSpot")
StringParameter	aot (description="AOT Identifier")
StringParameter	author (description="Author of the Data")
StringParameter	cusMode (description="null")
DoubleParameter	dec (description="Actual Declination of pointing")
DoubleParameter	decNominal (description="Requested Declination of pointing")
DoubleParameter	equinox (description="Equinox of celestial coordinate system")
StringParameter	instMode (description="null")
StringParameter	fileName (description="file name for export")
StringParameter	missionConfig (description="Mission configuration")
StringParameter	naifId (description="SSO NAIF identifier")
StringParameter	object (description="Target name")
StringParameter	observer (description="Observer name")
LongParameter	obsid (description="null")
StringParameter	obsMode (description="null")

LongParameter	odNumber (description="null")	
StringParameter	pointingMode (description="Pointing mode")	
DoubleParameter	posAngle (description="Position Angle of pointing")	
StringParameter	proposal (description="Proposal name")	
DoubleParameter	ra (description="Actual Right Ascension of pointing")	
StringParameter	raDeSys (description="Coordinate reference frame for the RA and DEC")	
DoubleParameter	raNominal (description="Requested Right Ascension of pointing")	
StringParameter	telescope (description="Name of telescope")	
StringParameter	subsystem (description="Instrument subsystem")	
LongParameter	bbid (description="Building Block Identifier")	
StringParameter	source (description="TM source packet name")	
StringParameter	elecSide (description="Electronic side")	
StringParameter	bbTypeName (description="Building block type name")	
<i>table dataset</i>	<i>(description="Critical HK Parameter Report")</i>	
<i>Metadata</i>		
<i>IntId</i>	SID_C	(description="Parameter Value", quantity="")
<i>LongId</i>	OBSID_C	(description="Parameter Value", quantity="")
<i>LongId</i>	BBID_C	(description="Parameter Value", quantity="")
<i>IntId</i>	MODE_C	(description="Parameter Value", quantity="")
<i>IntId</i>	STEP_C	(description="Parameter Value", quantity="")
<i>IntId</i>	TCRECV_C	(description="Parameter Value", quantity="")
<i>IntId</i>	TCEXEC_C	(description="Parameter Value", quantity="")
<i>IntId</i>	MEMSTAT1_C	(description="Parameter Value", quantity="")
<i>IntId</i>	MEMSTAT2_C	(description="Parameter Value", quantity="")
<i>IntId</i>	MEMSTAT3_C	(description="Parameter Value", quantity="")
<i>IntId</i>	MONSTAT_C	(description="Parameter Value", quantity="")
<i>IntId</i>	SCUDCDCSTAT_C	(description="Parameter Value", quantity="")
<i>IntId</i>	MCUIFSTAT_C	(description="Parameter Value", quantity="")
<i>IntId</i>	SCUIFSTAT_C	(description="Parameter Value", quantity="")
<i>IntId</i>	PSWJFETSTAT_C	(description="Parameter Value", quantity="")
<i>ShortId</i>	PSW_VDD_JFET1_C	(description="Parameter Value", quantity="")
<i>ShortId</i>	PSW_VDD_JFET2_C	(description="Parameter Value", quantity="")
<i>ShortId</i>	PSW_VDD_JFET3_C	(description="Parameter Value", quantity="")
<i>ShortId</i>	PSW_VDD_JFET4_C	(description="Parameter Value", quantity="")
<i>ShortId</i>	PSW_VDD_JFET5_C	(description="Parameter Value", quantity="")
<i>ShortId</i>	PSW_VDD_JFET6_C	(description="Parameter Value", quantity="")
<i>IntId</i>	PMLWJFETSTAT_C	(description="Parameter Value", quantity="")
<i>ShortId</i>	PMW_VDD_JFET1_C	(description="Parameter Value", quantity="")
<i>ShortId</i>	PMW_VDD_JFET2_C	(description="Parameter Value", quantity="")
<i>ShortId</i>	PMW_VDD_JFET3_C	(description="Parameter Value", quantity="")
<i>ShortId</i>	PMW_VDD_JFET4_C	(description="Parameter Value", quantity="")
<i>ShortId</i>	PLW_VDD_JFET1_C	(description="Parameter Value", quantity="")

<i>ShortId</i>	PLW_VDD_JFET2_C (description="Parameter Value", quantity="")
<i>ShortId</i>	TC_VDD_JFET_C (description="Parameter Value", quantity="")
<i>IntId</i>	SPECJFETSTAT_C (description="Parameter Value", quantity="")
<i>ShortId</i>	SLW_VDD_JFET1_C (description="Parameter Value", quantity="")
<i>ShortId</i>	SSW_VDD_JFET1_C (description="Parameter Value", quantity="")
<i>ShortId</i>	SSW_VDD_JFET2_C (description="Parameter Value", quantity="")
<i>IntId</i>	LIASSTAT_C (description="Parameter Value", quantity="")
<i>ShortId</i>	LIAP1STAT_C (description="Parameter Value", quantity="")
<i>ShortId</i>	LIAP2STAT_C (description="Parameter Value", quantity="")
<i>ShortId</i>	LIAP3STAT_C (description="Parameter Value", quantity="")
<i>ShortId</i>	LIAP4STAT_C (description="Parameter Value", quantity="")
<i>ShortId</i>	LIAP5STAT_C (description="Parameter Value", quantity="")
<i>ShortId</i>	LIAP6STAT_C (description="Parameter Value", quantity="")
<i>ShortId</i>	LIAP7STAT_C (description="Parameter Value", quantity="")
<i>ShortId</i>	LIAP8STAT_C (description="Parameter Value", quantity="")
<i>ShortId</i>	LIAP9STAT_C (description="Parameter Value", quantity="")
<i>ShortId</i>	LIAS1STAT_C (description="Parameter Value", quantity="")
<i>ShortId</i>	LIAS2STAT_C (description="Parameter Value", quantity="")
<i>ShortId</i>	LIAS3STAT_C (description="Parameter Value", quantity="")
<i>IntId</i>	MCUERR_C (description="Parameter Value", quantity="")
<i>IntId</i>	SMECSTAT_C (description="Parameter Value", quantity="")
<i>IntId</i>	BSMSTAT_C (description="Parameter Value", quantity="")
<i>IntId</i>	SCUSTAT_C (description="Parameter Value", quantity="")
<i>IntId</i>	SUBKTEMP_C (description="Parameter Value", quantity="")
<i>IntId</i>	OBSVER_C (description="Parameter Value", quantity="")
<i>ShortId</i>	OBSVER1_C (description="Parameter Value", quantity="")
<i>ShortId</i>	OBSVER2_C (description="Parameter Value", quantity="")
<i>ShortId</i>	OBSVER3_C (description="Parameter Value", quantity="")
<i>ShortId</i>	CHK_VERS (description="Parameter Value", quantity="")
<i>ShortId</i>	CHK_TYPE (description="Parameter Value", quantity="")
<i>ShortId</i>	CHK_DFHFLAG (description="Parameter Value", quantity="")
<i>ShortId</i>	CHK_APID (description="Parameter Value", quantity="")
<i>ShortId</i>	CHK_SEGFLAG (description="Parameter Value", quantity="")
<i>ShortId</i>	CHK_SSC (description="Parameter Value", quantity="")
<i>IntId</i>	CHK_PKTLEN (description="Parameter Value", quantity="")
<i>ShortId</i>	CHK_PUSVERS (description="Parameter Value", quantity="")
<i>ShortId</i>	CHK_PKTTYPE (description="Parameter Value", quantity="")
<i>ShortId</i>	CHK_PKTSTYPE (description="Parameter Value", quantity="")
<i>LongId</i>	CHK_PKTCTIME (description="Parameter Value", quantity="")
<i>IntId</i>	CHK_PKTFTIME (description="Parameter Value", quantity="")
<i>LongId</i>	sdfTime (description="SpireDataFrame time", quantity="")
<i>LongId</i>	packetTime (description="TM packet time", quantity="")

<i>IntId</i>	seqCount (description="Sequence count", quantity="")

5.1.7. RBSMT: Raw Beam Steering Mirror Timeline

<i>product (type="RBSMT", description="Raw Beam Steering Mirror Timeline")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	aorLabel (description="AOR Label as entered in HSpot")
StringParameter	aot (description="AOT Identifier")
StringParameter	author (description="Author of the Data")
StringParameter	cusMode (description="null")
DoubleParameter	dec (description="Actual Declination of pointing")
DoubleParameter	decNominal (description="Requested Declination of pointing")
DoubleParameter	equinox (description="Equinox of celestial coordinate system")
StringParameter	instMode (description="null")
StringParameter	fileName (description="file name for export")
StringParameter	missionConfig (description="Mission configuration")
StringParameter	naifId (description="SSO NAIF identifier")
StringParameter	object (description="Target name")
StringParameter	observer (description="Observer name")
LongParameter	obsid (description="null")
StringParameter	obsMode (description="null")
LongParameter	odNumber (description="null")
StringParameter	pointingMode (description="Pointing mode")
DoubleParameter	posAngle (description="Position Angle of pointing")
StringParameter	proposal (description="Proposal name")
DoubleParameter	ra (description="Actual Right Ascension of pointing")
StringParameter	raDeSys (description="Coordinate reference frame for the RA and DEC")
DoubleParameter	raNominal (description="Requested Right Ascension of pointing")
StringParameter	telescope (description="Name of telescope")
StringParameter	subsystem (description="Instrument subsystem")
LongParameter	bbid (description="Building Block Identifier")
StringParameter	source (description="TM source packet name")
StringParameter	elecSide (description="Electronic side")
StringParameter	bbTypeName (description="Building block type name")

<i>table dataset</i>	<i>(description="BSM Block (Nominal Science Report)")</i>	
<i>Metadata</i>		
<i>LongId</i>	BSMACQTIME	(description="Parameter Value", quantity="")
<i>IntId</i>	BSMCHOPSENSSIG	(description="Parameter Value", quantity="")
<i>IntId</i>	BSMCHOPMOTORCURR	(description="Parameter Value", quantity="")
<i>IntId</i>	BSMCHOPMOTORVOLT	(description="Parameter Value", quantity="")
<i>IntId</i>	BSMJIGSENSSIG	(description="Parameter Value", quantity="")
<i>IntId</i>	BSMJIGGMOTORCURR	(description="Parameter Value", quantity="")
<i>IntId</i>	BSMJIGGMOTORVOLT	(description="Parameter Value", quantity="")
<i>LongId</i>	BSMTTIME	(description="Parameter Value", quantity="")
<i>LongId</i>	sdfTime	(description="SpireDataFrame time", quantity="")
<i>LongId</i>	packetTime	(description="TM packet time", quantity="")
<i>IntId</i>	seqCount	(description="Sequence count", quantity="")

5.1.8. RSMECT: Raw Spectrometer Mechanism Timeline

<i>product (type="RSMECT", description="Raw Spectrometer Mechanism Timeline")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	aorLabel (description="AOR Label as entered in HSpot")
StringParameter	aot (description="AOT Identifier")
StringParameter	author (description="Author of the Data")
StringParameter	cusMode (description="CUS observation mode")
DoubleParameter	dec (description="Actual Declination of pointing")
DoubleParameter	decNominal (description="Requested Declination of pointing")
DoubleParameter	equinox (description="Equinox of celestial coordinate system")
StringParameter	instMode (description="Instrument mode")
StringParameter	fileName (description="file name for export")
StringParameter	missionConfig (description="Mission configuration")
StringParameter	naifId (description="SSO NAIF identifier")

StringParameter	object (description="Target name")
StringParameter	observer (description="Observer name")
LongParameter	obsid (description="Observation identifier")
StringParameter	obsMode (description="Observing mode")
LongParameter	odNumber (description="Operational day number")
StringParameter	pointingMode (description="Pointing mode")
DoubleParameter	posAngle (description="Position Angle of pointing")
StringParameter	proposal (description="Proposal name")
DoubleParameter	ra (description="Actual Right Ascension of pointing")
StringParameter	raDeSys (description="Coordinate reference frame for the RA and DEC")
DoubleParameter	raNominal (description="Requested Right Ascension of pointing")
StringParameter	telescope (description="Name of telescope")
StringParameter	subsystem (description="Instrument subsystem")
LongParameter	bbid (description="Building Block Identifier")
StringParameter	source (description="TM source packet name")
StringParameter	bbTypeName (description="Building block type name")
<i>table dataset</i>	(description="SMEC Continuous Scan Frame (Nominal Science Report)")
<i>Metadata</i>	
<i>LongId</i>	SMECACQTIME (description="Parameter Value", quantity="")
<i>IntId</i>	SMECOPTENCPOSN (description="Parameter Value", quantity="")
<i>IntId</i>	SMECOPTENCFINEPOSN (description="Parameter Value", quantity="")
<i>IntId</i>	SMECSCANLVDTDCSIG (description="Parameter Value", quantity="")
<i>IntId</i>	SMECSCANMOTORCURR (description="Parameter Value", quantity="")
<i>IntId</i>	SMECSCANMOTORBEMF (description="Parameter Value", quantity="")
<i>LongId</i>	SMECTTIME (description="Parameter Value", quantity="")
<i>LongId</i>	sdfTime (description="SpireDataFrame time", quantity="")
<i>LongId</i>	packetTime (description="TM packet time", quantity="")
<i>LongId</i>	seqCount (description="Sequence count", quantity="")

5.1.9. RSCUT: Raw Subsystem Control Unit Timeline

<i>product</i> (type="RSCUT", description="Raw Subsystem Control Unit Timeline")	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")

DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	aorLabel (description="AOR Label as entered in HSpot")
StringParameter	aot (description="AOT Identifier")
StringParameter	author (description="Author of the Data")
StringParameter	cusMode (description="null")
DoubleParameter	dec (description="Actual Declination of pointing")
DoubleParameter	decNominal (description="Requested Declination of pointing")
DoubleParameter	equinox (description="Equinox of celestial coordinate system")
StringParameter	instMode (description="null")
StringParameter	fileName (description="file name for export")
StringParameter	missionConfig (description="Mission configuration")
StringParameter	naifId (description="SSO NAIF identifier")
StringParameter	object (description="Target name")
StringParameter	observer (description="Observer name")
LongParameter	obsid (description="null")
StringParameter	obsMode (description="null")
LongParameter	odNumber (description="null")
StringParameter	pointingMode (description="Pointing mode")
DoubleParameter	posAngle (description="Position Angle of pointing")
StringParameter	proposal (description="Proposal name")
DoubleParameter	ra (description="Actual Right Ascension of pointing")
StringParameter	raDeSys (description="Coordinate reference frame for the RA and DEC")
DoubleParameter	raNominal (description="Requested Right Ascension of pointing")
StringParameter	telescope (description="Name of telescope")
StringParameter	subsystem (description="Instrument subsystem")
LongParameter	bbid (description="Building Block Identifier")
StringParameter	source (description="TM source packet name")
StringParameter	elecSide (description="Electronic side")
StringParameter	bbTypeName (description="Building block type name")
<i>table dataset</i>	<i>(description="SCU Block (Nominal Science Report)")</i>
<i>Metadata</i>	
<i>Int1d</i>	SCUPHTEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUPHSTEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUEVHSTEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUSHUNTTEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUEMCFILTEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUSLOTTEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUPL0TEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUOPTTEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUBAFTEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUBSMIFTEMP (description="Parameter Value", quantity="")

<i>Int1d</i>	SCUSCAL2TEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUSCAL4TEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUSCALTEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUSMECIFTEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUSMECTEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUBSMTEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUSUBKTEMP (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUTCHTRV (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUPCALCURR (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUPCALV (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUSCAL2CURR (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUSCAL2V (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUSCAL4CURR (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUSCAL4V (description="Parameter Value", quantity="")
<i>Int1d</i>	SCUADC_FLAGS (description="Parameter Value", quantity="")
<i>Long1d</i>	SCUFRAMETIME (description="Parameter Value", quantity="")
<i>Long1d</i>	sdfTime (description="SpireDataFrame time", quantity="")
<i>Long1d</i>	packetTime (description="TM packet time", quantity="")
<i>Int1d</i>	seqCount (description="Sequence count", quantity="")

5.2. SPIRE Level-0.5 Products

5.2.1. PDT: Photometer Detector Timeline

<i>product</i> (type="PDT", description="Photometer Detector Timeline")	
<i>Meta-data</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
	aorLabel (description="AOR Label as entered in HSpot")

StringParameter	
StringParameter	aot (description="AOT Identifier")
StringParameter	author (description="Author of the Data")
StringParameter	cusMode (description="null")
DoubleParameter	dec (description="Actual Declination of pointing")
DoubleParameter	decNominal (description="Requested Declination of pointing")
DoubleParameter	equinox (description="Equinox of celestial coordinate system")
StringParameter	instMode (description="null")
StringParameter	fileName (description="file name for export")
StringParameter	missionConfig (description="Mission configuration")
StringParameter	naifId (description="SSO NAIF identifier")
StringParameter	object (description="Target name")
StringParameter	observer (description="Observer name")
LongParameter	obsid (description="null")
StringParameter	obsMode (description="null")
LongParameter	odNumber (description="null")
StringParameter	pointingMode (description="Pointing mode")
DoubleParameter	posAngle (description="Position Angle of pointing")
StringParameter	proposal (description="Proposal name")
DoubleParameter	ra (description="Actual Right Ascension of pointing")
StringParameter	raDeSys (description="Coordinate reference frame for the RA and DEC")
DoubleParameter	raNominal (description="Requested Right Ascension of pointing")
StringParameter	telescope (description="Name of telescope")
StringParameter	subsystem (description="Instrument subsystem")

LongParameter	bbid (description="Building Block Identifier")
StringParameter	source (description="TM source packet name")
DoubleParameter	biasFreq (description="Bias frequency")
StringParameter	elecSide (description="Electronic side")
StringParameter	bbTypeName (description="Building block type name")
BooleanParameter	adcErr (description="Presence of ADC Latch errors")
BooleanParameter	offsetApp (description="Detector offsets applied")
DoubleParameter	plwBiasAmpl (description="PLW bias amplitude")
DoubleParameter	pmwBiasAmpl (description="PMW bias amplitude")
DoubleParameter	pswBiasAmpl (description="PSW bias amplitude")
DoubleParameter	ptcBiasAmpl (description="PTC bias amplitude")
BooleanParameter	rcRollApp (description="RC roll correction applied")
LongParameter	nodId (description="Nodding ID")
<i>table dataset</i>	<i>(description="Voltages table")</i>
<i>Metadata</i>	
<i>DoubleId</i>	sampleTime (description="Sample time", quantity="TAI")
<i>FloatId</i>	PSWR1 (description="PHOTFARRAY001", quantity="V")
<i>FloatId</i>	PSWD16 (description="PHOTFARRAY002", quantity="V")
<i>FloatId</i>	PSWT1 (description="PHOTFARRAY003", quantity="V")
<i>FloatId</i>	PSWB16 (description="PHOTFARRAY004", quantity="V")
<i>FloatId</i>	PSWC15 (description="PHOTFARRAY005", quantity="V")
<i>FloatId</i>	PSWA15 (description="PHOTFARRAY006", quantity="V")
<i>FloatId</i>	PSWD15 (description="PHOTFARRAY007", quantity="V")
<i>FloatId</i>	PSWB15 (description="PHOTFARRAY008", quantity="V")
<i>FloatId</i>	PSWC14 (description="PHOTFARRAY009", quantity="V")
<i>FloatId</i>	PSWD14 (description="PHOTFARRAY010", quantity="V")
<i>FloatId</i>	PSWA14 (description="PHOTFARRAY011", quantity="V")
<i>FloatId</i>	PSWA13 (description="PHOTFARRAY012", quantity="V")
<i>FloatId</i>	PSWB14 (description="PHOTFARRAY013", quantity="V")
<i>FloatId</i>	PSWC13 (description="PHOTFARRAY014", quantity="V")
<i>FloatId</i>	PSWB13 (description="PHOTFARRAY015", quantity="V")
<i>FloatId</i>	PSWD13 (description="PHOTFARRAY016", quantity="V")

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<i>FloatId</i>	PSWA12 (description="PHOTFARRAY017", quantity="V")
<i>FloatId</i>	PSWC12 (description="PHOTFARRAY018", quantity="V")
<i>FloatId</i>	PSWD12 (description="PHOTFARRAY019", quantity="V")
<i>FloatId</i>	PSWB12 (description="PHOTFARRAY020", quantity="V")
<i>FloatId</i>	PSWE11 (description="PHOTFARRAY021", quantity="V")
<i>FloatId</i>	PSWA11 (description="PHOTFARRAY022", quantity="V")
<i>FloatId</i>	PSWC11 (description="PHOTFARRAY023", quantity="V")
<i>FloatId</i>	PSWB11 (description="PHOTFARRAY024", quantity="V")
<i>FloatId</i>	PSWE1 (description="PHOTFARRAY025", quantity="V")
<i>FloatId</i>	PSWF1 (description="PHOTFARRAY026", quantity="V")
<i>FloatId</i>	PSWT2 (description="PHOTFARRAY027", quantity="V")
<i>FloatId</i>	PSWH1 (description="PHOTFARRAY028", quantity="V")
<i>FloatId</i>	PSWG1 (description="PHOTFARRAY029", quantity="V")
<i>FloatId</i>	PSWJ1 (description="PHOTFARRAY030", quantity="V")
<i>FloatId</i>	PSWH2 (description="PHOTFARRAY031", quantity="V")
<i>FloatId</i>	PSWF2 (description="PHOTFARRAY032", quantity="V")
<i>FloatId</i>	PSWJ2 (description="PHOTFARRAY033", quantity="V")
<i>FloatId</i>	PSWG2 (description="PHOTFARRAY034", quantity="V")
<i>FloatId</i>	PSWH3 (description="PHOTFARRAY035", quantity="V")
<i>FloatId</i>	PSWJ3 (description="PHOTFARRAY036", quantity="V")
<i>FloatId</i>	PSWE2 (description="PHOTFARRAY037", quantity="V")
<i>FloatId</i>	PSWF3 (description="PHOTFARRAY038", quantity="V")
<i>FloatId</i>	PSWG3 (description="PHOTFARRAY039", quantity="V")
<i>FloatId</i>	PSWH4 (description="PHOTFARRAY040", quantity="V")
<i>FloatId</i>	PSWJ4 (description="PHOTFARRAY041", quantity="V")
<i>FloatId</i>	PSWE3 (description="PHOTFARRAY042", quantity="V")
<i>FloatId</i>	PSWF4 (description="PHOTFARRAY043", quantity="V")
<i>FloatId</i>	PSWG4 (description="PHOTFARRAY044", quantity="V")
<i>FloatId</i>	PSWH5 (description="PHOTFARRAY045", quantity="V")
<i>FloatId</i>	PSWE4 (description="PHOTFARRAY046", quantity="V")
<i>FloatId</i>	PSWJ5 (description="PHOTFARRAY047", quantity="V")
<i>FloatId</i>	PSWF5 (description="PHOTFARRAY048", quantity="V")
<i>FloatId</i>	PSWD6 (description="PHOTFARRAY049", quantity="V")
<i>FloatId</i>	PSWB6 (description="PHOTFARRAY050", quantity="V")
<i>FloatId</i>	PSWC5 (description="PHOTFARRAY051", quantity="V")
<i>FloatId</i>	PSWA5 (description="PHOTFARRAY052", quantity="V")
<i>FloatId</i>	PSWE5 (description="PHOTFARRAY053", quantity="V")
<i>FloatId</i>	PSWB5 (description="PHOTFARRAY054", quantity="V")
<i>FloatId</i>	PSWD5 (description="PHOTFARRAY055", quantity="V")
<i>FloatId</i>	PSWC4 (description="PHOTFARRAY056", quantity="V")
<i>FloatId</i>	PSWA4 (description="PHOTFARRAY057", quantity="V")
<i>FloatId</i>	PSWD4 (description="PHOTFARRAY058", quantity="V")

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<i>FloatId</i>	PSWB4 (description="PHOTFARRAY059", quantity="V")
<i>FloatId</i>	PSWC3 (description="PHOTFARRAY060", quantity="V")
<i>FloatId</i>	PSWB3 (description="PHOTFARRAY061", quantity="V")
<i>FloatId</i>	PSWA3 (description="PHOTFARRAY062", quantity="V")
<i>FloatId</i>	PSWA2 (description="PHOTFARRAY063", quantity="V")
<i>FloatId</i>	PSWD3 (description="PHOTFARRAY064", quantity="V")
<i>FloatId</i>	PSWC2 (description="PHOTFARRAY065", quantity="V")
<i>FloatId</i>	PSWB2 (description="PHOTFARRAY066", quantity="V")
<i>FloatId</i>	PSWD2 (description="PHOTFARRAY067", quantity="V")
<i>FloatId</i>	PSWA1 (description="PHOTFARRAY068", quantity="V")
<i>FloatId</i>	PSWC1 (description="PHOTFARRAY069", quantity="V")
<i>FloatId</i>	PSWB1 (description="PHOTFARRAY070", quantity="V")
<i>FloatId</i>	PSWDP1 (description="PHOTFARRAY071", quantity="V")
<i>FloatId</i>	PSWD1 (description="PHOTFARRAY072", quantity="V")
<i>FloatId</i>	PSWF12 (description="PHOTFARRAY073", quantity="V")
<i>FloatId</i>	PSWJ11 (description="PHOTFARRAY074", quantity="V")
<i>FloatId</i>	PSWE12 (description="PHOTFARRAY075", quantity="V")
<i>FloatId</i>	PSWH12 (description="PHOTFARRAY076", quantity="V")
<i>FloatId</i>	PSWG12 (description="PHOTFARRAY077", quantity="V")
<i>FloatId</i>	PSWF13 (description="PHOTFARRAY078", quantity="V")
<i>FloatId</i>	PSWE13 (description="PHOTFARRAY079", quantity="V")
<i>FloatId</i>	PSWJ12 (description="PHOTFARRAY080", quantity="V")
<i>FloatId</i>	PSWH13 (description="PHOTFARRAY081", quantity="V")
<i>FloatId</i>	PSWG13 (description="PHOTFARRAY082", quantity="V")
<i>FloatId</i>	PSWF14 (description="PHOTFARRAY083", quantity="V")
<i>FloatId</i>	PSWE14 (description="PHOTFARRAY084", quantity="V")
<i>FloatId</i>	PSWJ13 (description="PHOTFARRAY085", quantity="V")
<i>FloatId</i>	PSWH14 (description="PHOTFARRAY086", quantity="V")
<i>FloatId</i>	PSWG14 (description="PHOTFARRAY087", quantity="V")
<i>FloatId</i>	PSWJ14 (description="PHOTFARRAY088", quantity="V")
<i>FloatId</i>	PSWF15 (description="PHOTFARRAY089", quantity="V")
<i>FloatId</i>	PSWH15 (description="PHOTFARRAY090", quantity="V")
<i>FloatId</i>	PSWJ15 (description="PHOTFARRAY091", quantity="V")
<i>FloatId</i>	PSWG15 (description="PHOTFARRAY092", quantity="V")
<i>FloatId</i>	PSWH16 (description="PHOTFARRAY093", quantity="V")
<i>FloatId</i>	PSWDP2 (description="PHOTFARRAY094", quantity="V")
<i>FloatId</i>	PSWF16 (description="PHOTFARRAY095", quantity="V")
<i>FloatId</i>	PSWE15 (description="PHOTFARRAY096", quantity="V")
<i>FloatId</i>	PSWD11 (description="PHOTFARRAY097", quantity="V")
<i>FloatId</i>	PSWA10 (description="PHOTFARRAY098", quantity="V")
<i>FloatId</i>	PSWE10 (description="PHOTFARRAY099", quantity="V")
<i>FloatId</i>	PSWC10 (description="PHOTFARRAY100", quantity="V")

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<i>Float1d</i>	PSWB10 (description="PHOTFARRAY101", quantity="V")
<i>Float1d</i>	PSWD10 (description="PHOTFARRAY102", quantity="V")
<i>Float1d</i>	PSWA9 (description="PHOTFARRAY103", quantity="V")
<i>Float1d</i>	PSWE9 (description="PHOTFARRAY104", quantity="V")
<i>Float1d</i>	PSWC9 (description="PHOTFARRAY105", quantity="V")
<i>Float1d</i>	PSWB9 (description="PHOTFARRAY106", quantity="V")
<i>Float1d</i>	PSWD9 (description="PHOTFARRAY107", quantity="V")
<i>Float1d</i>	PSWA8 (description="PHOTFARRAY108", quantity="V")
<i>Float1d</i>	PSWC8 (description="PHOTFARRAY109", quantity="V")
<i>Float1d</i>	PSWE8 (description="PHOTFARRAY110", quantity="V")
<i>Float1d</i>	PSWD8 (description="PHOTFARRAY111", quantity="V")
<i>Float1d</i>	PSWB8 (description="PHOTFARRAY112", quantity="V")
<i>Float1d</i>	PSWC7 (description="PHOTFARRAY113", quantity="V")
<i>Float1d</i>	PSWE7 (description="PHOTFARRAY114", quantity="V")
<i>Float1d</i>	PSWA7 (description="PHOTFARRAY115", quantity="V")
<i>Float1d</i>	PSWD7 (description="PHOTFARRAY116", quantity="V")
<i>Float1d</i>	PSWB7 (description="PHOTFARRAY117", quantity="V")
<i>Float1d</i>	PSWC6 (description="PHOTFARRAY118", quantity="V")
<i>Float1d</i>	PSWE6 (description="PHOTFARRAY119", quantity="V")
<i>Float1d</i>	PSWA6 (description="PHOTFARRAY120", quantity="V")
<i>Float1d</i>	PSWG5 (description="PHOTFARRAY121", quantity="V")
<i>Float1d</i>	PSWH6 (description="PHOTFARRAY122", quantity="V")
<i>Float1d</i>	PSWJ6 (description="PHOTFARRAY123", quantity="V")
<i>Float1d</i>	PSWF6 (description="PHOTFARRAY124", quantity="V")
<i>Float1d</i>	PSWG6 (description="PHOTFARRAY125", quantity="V")
<i>Float1d</i>	PSWH7 (description="PHOTFARRAY126", quantity="V")
<i>Float1d</i>	PSWF7 (description="PHOTFARRAY127", quantity="V")
<i>Float1d</i>	PSWJ7 (description="PHOTFARRAY128", quantity="V")
<i>Float1d</i>	PSWG7 (description="PHOTFARRAY129", quantity="V")
<i>Float1d</i>	PSWH8 (description="PHOTFARRAY130", quantity="V")
<i>Float1d</i>	PSWF8 (description="PHOTFARRAY131", quantity="V")
<i>Float1d</i>	PSWG8 (description="PHOTFARRAY132", quantity="V")
<i>Float1d</i>	PSWJ8 (description="PHOTFARRAY133", quantity="V")
<i>Float1d</i>	PSWF9 (description="PHOTFARRAY134", quantity="V")
<i>Float1d</i>	PSWH9 (description="PHOTFARRAY135", quantity="V")
<i>Float1d</i>	PSWG9 (description="PHOTFARRAY136", quantity="V")
<i>Float1d</i>	PSWJ9 (description="PHOTFARRAY137", quantity="V")
<i>Float1d</i>	PSWF10 (description="PHOTFARRAY138", quantity="V")
<i>Float1d</i>	PSWH10 (description="PHOTFARRAY139", quantity="V")
<i>Float1d</i>	PSWG10 (description="PHOTFARRAY140", quantity="V")
<i>Float1d</i>	PSWF11 (description="PHOTFARRAY141", quantity="V")
<i>Float1d</i>	PSWJ10 (description="PHOTFARRAY142", quantity="V")

<i>FloatId</i>	PSWH11 (description="PHOTFARRAY143", quantity="V")
<i>FloatId</i>	PSWG11 (description="PHOTFARRAY144", quantity="V")
<i>FloatId</i>	PLWR1 (description="PHOTFARRAY145", quantity="V")
<i>FloatId</i>	PLWA8 (description="PHOTFARRAY146", quantity="V")
<i>FloatId</i>	PLWA7 (description="PHOTFARRAY147", quantity="V")
<i>FloatId</i>	PLWA6 (description="PHOTFARRAY148", quantity="V")
<i>FloatId</i>	PLWA9 (description="PHOTFARRAY149", quantity="V")
<i>FloatId</i>	PLWC9 (description="PHOTFARRAY150", quantity="V")
<i>FloatId</i>	PLWB8 (description="PHOTFARRAY151", quantity="V")
<i>FloatId</i>	PLWB7 (description="PHOTFARRAY152", quantity="V")
<i>FloatId</i>	PLWC7 (description="PHOTFARRAY153", quantity="V")
<i>FloatId</i>	PLWB5 (description="PHOTFARRAY154", quantity="V")
<i>FloatId</i>	PLWB6 (description="PHOTFARRAY155", quantity="V")
<i>FloatId</i>	PLWA5 (description="PHOTFARRAY156", quantity="V")
<i>FloatId</i>	PLWT1 (description="PHOTFARRAY157", quantity="V")
<i>FloatId</i>	PLWB4 (description="PHOTFARRAY158", quantity="V")
<i>FloatId</i>	PLWC4 (description="PHOTFARRAY159", quantity="V")
<i>FloatId</i>	PLWB3 (description="PHOTFARRAY160", quantity="V")
<i>FloatId</i>	PLWC2 (description="PHOTFARRAY161", quantity="V")
<i>FloatId</i>	PLWB2 (description="PHOTFARRAY162", quantity="V")
<i>FloatId</i>	PLWB1 (description="PHOTFARRAY163", quantity="V")
<i>FloatId</i>	PLWA3 (description="PHOTFARRAY164", quantity="V")
<i>FloatId</i>	PLWA4 (description="PHOTFARRAY165", quantity="V")
<i>FloatId</i>	PLWA1 (description="PHOTFARRAY166", quantity="V")
<i>FloatId</i>	PLWDP1 (description="PHOTFARRAY167", quantity="V")
<i>FloatId</i>	PLWA2 (description="PHOTFARRAY168", quantity="V")
<i>FloatId</i>	PLWE1 (description="PHOTFARRAY169", quantity="V")
<i>FloatId</i>	PLWE2 (description="PHOTFARRAY170", quantity="V")
<i>FloatId</i>	PLWE3 (description="PHOTFARRAY171", quantity="V")
<i>FloatId</i>	PLWE4 (description="PHOTFARRAY172", quantity="V")
<i>FloatId</i>	PLWD1 (description="PHOTFARRAY173", quantity="V")
<i>FloatId</i>	PLWD2 (description="PHOTFARRAY174", quantity="V")
<i>FloatId</i>	PLWD3 (description="PHOTFARRAY175", quantity="V")
<i>FloatId</i>	PLWD4 (description="PHOTFARRAY176", quantity="V")
<i>FloatId</i>	PLWC1 (description="PHOTFARRAY177", quantity="V")
<i>FloatId</i>	PLWC3 (description="PHOTFARRAY178", quantity="V")
<i>FloatId</i>	PLWC5 (description="PHOTFARRAY179", quantity="V")
<i>FloatId</i>	PLWT2 (description="PHOTFARRAY180", quantity="V")
<i>FloatId</i>	PLWE5 (description="PHOTFARRAY181", quantity="V")
<i>FloatId</i>	PLWC6 (description="PHOTFARRAY182", quantity="V")
<i>FloatId</i>	PLWC8 (description="PHOTFARRAY183", quantity="V")
<i>FloatId</i>	PLWD5 (description="PHOTFARRAY184", quantity="V")

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<i>Float1d</i>	PLWD6 (description="PHOTFARRAY185", quantity="V")
<i>Float1d</i>	PLWD7 (description="PHOTFARRAY186", quantity="V")
<i>Float1d</i>	PLWD8 (description="PHOTFARRAY187", quantity="V")
<i>Float1d</i>	PLWE7 (description="PHOTFARRAY188", quantity="V")
<i>Float1d</i>	PLWE6 (description="PHOTFARRAY189", quantity="V")
<i>Float1d</i>	PLWE8 (description="PHOTFARRAY190", quantity="V")
<i>Float1d</i>	PLWDP2 (description="PHOTFARRAY191", quantity="V")
<i>Float1d</i>	PLWE9 (description="PHOTFARRAY192", quantity="V")
<i>Float1d</i>	PMWA13 (description="PHOTFARRAY193", quantity="V")
<i>Float1d</i>	PMWT1 (description="PHOTFARRAY194", quantity="V")
<i>Float1d</i>	PMWB12 (description="PHOTFARRAY195", quantity="V")
<i>Float1d</i>	PMWC13 (description="PHOTFARRAY196", quantity="V")
<i>Float1d</i>	PMWA12 (description="PHOTFARRAY197", quantity="V")
<i>Float1d</i>	PMWD12 (description="PHOTFARRAY198", quantity="V")
<i>Float1d</i>	PMWC12 (description="PHOTFARRAY199", quantity="V")
<i>Float1d</i>	PMWB11 (description="PHOTFARRAY200", quantity="V")
<i>Float1d</i>	PMWA11 (description="PHOTFARRAY201", quantity="V")
<i>Float1d</i>	PMWE13 (description="PHOTFARRAY202", quantity="V")
<i>Float1d</i>	PMWD11 (description="PHOTFARRAY203", quantity="V")
<i>Float1d</i>	PMWC11 (description="PHOTFARRAY204", quantity="V")
<i>Float1d</i>	PMWB10 (description="PHOTFARRAY205", quantity="V")
<i>Float1d</i>	PMWA10 (description="PHOTFARRAY206", quantity="V")
<i>Float1d</i>	PMWD10 (description="PHOTFARRAY207", quantity="V")
<i>Float1d</i>	PMWB9 (description="PHOTFARRAY208", quantity="V")
<i>Float1d</i>	PMWC10 (description="PHOTFARRAY209", quantity="V")
<i>Float1d</i>	PMWC9 (description="PHOTFARRAY210", quantity="V")
<i>Float1d</i>	PMWA9 (description="PHOTFARRAY211", quantity="V")
<i>Float1d</i>	PMWB8 (description="PHOTFARRAY212", quantity="V")
<i>Float1d</i>	PMWA8 (description="PHOTFARRAY213", quantity="V")
<i>Float1d</i>	PMWD8 (description="PHOTFARRAY214", quantity="V")
<i>Float1d</i>	PMWC8 (description="PHOTFARRAY215", quantity="V")
<i>Float1d</i>	PMWB7 (description="PHOTFARRAY216", quantity="V")
<i>Float1d</i>	PMWR1 (description="PHOTFARRAY217", quantity="V")
<i>Float1d</i>	PMWG1 (description="PHOTFARRAY218", quantity="V")
<i>Float1d</i>	PMWT2 (description="PHOTFARRAY219", quantity="V")
<i>Float1d</i>	PMWE1 (description="PHOTFARRAY220", quantity="V")
<i>Float1d</i>	PMWD1 (description="PHOTFARRAY221", quantity="V")
<i>Float1d</i>	PMWF1 (description="PHOTFARRAY222", quantity="V")
<i>Float1d</i>	PMWE2 (description="PHOTFARRAY223", quantity="V")
<i>Float1d</i>	PMWG2 (description="PHOTFARRAY224", quantity="V")
<i>Float1d</i>	PMWF2 (description="PHOTFARRAY225", quantity="V")
<i>Float1d</i>	PMWG3 (description="PHOTFARRAY226", quantity="V")

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<i>Float1d</i>	PMWE3 (description="PHOTFARRAY227", quantity="V")
<i>Float1d</i>	PMWD3 (description="PHOTFARRAY228", quantity="V")
<i>Float1d</i>	PMWF3 (description="PHOTFARRAY229", quantity="V")
<i>Float1d</i>	PMWG4 (description="PHOTFARRAY230", quantity="V")
<i>Float1d</i>	PMWE4 (description="PHOTFARRAY231", quantity="V")
<i>Float1d</i>	PMWF4 (description="PHOTFARRAY232", quantity="V")
<i>Float1d</i>	PMWE5 (description="PHOTFARRAY233", quantity="V")
<i>Float1d</i>	PMWD5 (description="PHOTFARRAY234", quantity="V")
<i>Float1d</i>	PMWF5 (description="PHOTFARRAY235", quantity="V")
<i>Float1d</i>	PMWG5 (description="PHOTFARRAY236", quantity="V")
<i>Float1d</i>	PMWE6 (description="PHOTFARRAY237", quantity="V")
<i>Float1d</i>	PMWG6 (description="PHOTFARRAY238", quantity="V")
<i>Float1d</i>	PMWF6 (description="PHOTFARRAY239", quantity="V")
<i>Float1d</i>	PMWG7 (description="PHOTFARRAY240", quantity="V")
<i>Float1d</i>	PMWF10 (description="PHOTFARRAY241", quantity="V")
<i>Float1d</i>	PMWE11 (description="PHOTFARRAY242", quantity="V")
<i>Float1d</i>	PMWG11 (description="PHOTFARRAY243", quantity="V")
<i>Float1d</i>	PMWF11 (description="PHOTFARRAY244", quantity="V")
<i>Float1d</i>	PMWE12 (description="PHOTFARRAY245", quantity="V")
<i>Float1d</i>	PMWG12 (description="PHOTFARRAY246", quantity="V")
<i>Float1d</i>	PMWF12 (description="PHOTFARRAY247", quantity="V")
<i>Float1d</i>	PMWG13 (description="PHOTFARRAY248", quantity="V")
<i>Float1d</i>	PMWDP2 (description="PHOTFARRAY249", quantity="V")
<i>Float1d</i>	PMWE7 (description="PHOTFARRAY250", quantity="V")
<i>Float1d</i>	PMWD7 (description="PHOTFARRAY251", quantity="V")
<i>Float1d</i>	PMWF7 (description="PHOTFARRAY252", quantity="V")
<i>Float1d</i>	PMWE8 (description="PHOTFARRAY253", quantity="V")
<i>Float1d</i>	PMWG8 (description="PHOTFARRAY254", quantity="V")
<i>Float1d</i>	PMWF8 (description="PHOTFARRAY255", quantity="V")
<i>Float1d</i>	PMWE9 (description="PHOTFARRAY256", quantity="V")
<i>Float1d</i>	PMWG9 (description="PHOTFARRAY257", quantity="V")
<i>Float1d</i>	PMWD9 (description="PHOTFARRAY258", quantity="V")
<i>Float1d</i>	PMWF9 (description="PHOTFARRAY259", quantity="V")
<i>Float1d</i>	PMWE10 (description="PHOTFARRAY260", quantity="V")
<i>Float1d</i>	PMWG10 (description="PHOTFARRAY261", quantity="V")
<i>Float1d</i>	PMWC4 (description="PHOTFARRAY262", quantity="V")
<i>Float1d</i>	PMWB3 (description="PHOTFARRAY263", quantity="V")
<i>Float1d</i>	PMWC3 (description="PHOTFARRAY264", quantity="V")
<i>Float1d</i>	PMWB2 (description="PHOTFARRAY265", quantity="V")
<i>Float1d</i>	PMWD2 (description="PHOTFARRAY266", quantity="V")
<i>Float1d</i>	PMWA3 (description="PHOTFARRAY267", quantity="V")
<i>Float1d</i>	PMWA2 (description="PHOTFARRAY268", quantity="V")

<i>Float1d</i>	PMWC2 (description="PHOTFARRAY269", quantity="V")
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<i>Float1d</i>	PMWA1 (description="PHOTFARRAY271", quantity="V")
<i>Float1d</i>	PMWDP1 (description="PHOTFARRAY272", quantity="V")
<i>Float1d</i>	PMWC1 (description="PHOTFARRAY273", quantity="V")
<i>Float1d</i>	PMWA7 (description="PHOTFARRAY274", quantity="V")
<i>Float1d</i>	PMWA6 (description="PHOTFARRAY275", quantity="V")
<i>Float1d</i>	PMWB6 (description="PHOTFARRAY276", quantity="V")
<i>Float1d</i>	PMWC7 (description="PHOTFARRAY277", quantity="V")
<i>Float1d</i>	PMWA5 (description="PHOTFARRAY278", quantity="V")
<i>Float1d</i>	PMWB5 (description="PHOTFARRAY279", quantity="V")
<i>Float1d</i>	PMWC6 (description="PHOTFARRAY280", quantity="V")
<i>Float1d</i>	PMWD6 (description="PHOTFARRAY281", quantity="V")
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<i>Float1d</i>	PMWA4 (description="PHOTFARRAY285", quantity="V")
<i>Float1d</i>	PTCP1 (description="PHOTFARRAY286", quantity="V")
<i>Float1d</i>	PTCP2 (description="PHOTFARRAY287", quantity="V")
<i>Float1d</i>	PTCP3 (description="PHOTFARRAY288", quantity="V")
<i>table dataset</i>	(description="Resistances table")
<i>Metadata</i>	
<i>Double1d</i>	sampleTime (description="Sample time", quantity="TAI")
<i>Float1d</i>	PSWR1 (description="PHOTFARRAY001", quantity="?")
<i>Float1d</i>	PSWD16 (description="PHOTFARRAY002", quantity="?")
<i>Float1d</i>	PSWT1 (description="PHOTFARRAY003", quantity="?")
<i>Float1d</i>	PSWB16 (description="PHOTFARRAY004", quantity="?")
<i>Float1d</i>	PSWC15 (description="PHOTFARRAY005", quantity="?")
<i>Float1d</i>	PSWA15 (description="PHOTFARRAY006", quantity="?")
<i>Float1d</i>	PSWD15 (description="PHOTFARRAY007", quantity="?")
<i>Float1d</i>	PSWB15 (description="PHOTFARRAY008", quantity="?")
<i>Float1d</i>	PSWC14 (description="PHOTFARRAY009", quantity="?")
<i>Float1d</i>	PSWD14 (description="PHOTFARRAY010", quantity="?")
<i>Float1d</i>	PSWA14 (description="PHOTFARRAY011", quantity="?")
<i>Float1d</i>	PSWA13 (description="PHOTFARRAY012", quantity="?")
<i>Float1d</i>	PSWB14 (description="PHOTFARRAY013", quantity="?")
<i>Float1d</i>	PSWC13 (description="PHOTFARRAY014", quantity="?")
<i>Float1d</i>	PSWB13 (description="PHOTFARRAY015", quantity="?")
<i>Float1d</i>	PSWD13 (description="PHOTFARRAY016", quantity="?")
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<i>Float1d</i>	PSWC12 (description="PHOTFARRAY018", quantity="?")

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<i>Float1d</i>	PSWE11 (description="PHOTFARRAY021", quantity="?")
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<i>Float1d</i>	PSWE1 (description="PHOTFARRAY025", quantity="?")
<i>Float1d</i>	PSWF1 (description="PHOTFARRAY026", quantity="?")
<i>Float1d</i>	PSWT2 (description="PHOTFARRAY027", quantity="?")
<i>Float1d</i>	PSWH1 (description="PHOTFARRAY028", quantity="?")
<i>Float1d</i>	PSWG1 (description="PHOTFARRAY029", quantity="?")
<i>Float1d</i>	PSWJ1 (description="PHOTFARRAY030", quantity="?")
<i>Float1d</i>	PSWH2 (description="PHOTFARRAY031", quantity="?")
<i>Float1d</i>	PSWF2 (description="PHOTFARRAY032", quantity="?")
<i>Float1d</i>	PSWJ2 (description="PHOTFARRAY033", quantity="?")
<i>Float1d</i>	PSWG2 (description="PHOTFARRAY034", quantity="?")
<i>Float1d</i>	PSWH3 (description="PHOTFARRAY035", quantity="?")
<i>Float1d</i>	PSWJ3 (description="PHOTFARRAY036", quantity="?")
<i>Float1d</i>	PSWE2 (description="PHOTFARRAY037", quantity="?")
<i>Float1d</i>	PSWF3 (description="PHOTFARRAY038", quantity="?")
<i>Float1d</i>	PSWG3 (description="PHOTFARRAY039", quantity="?")
<i>Float1d</i>	PSWH4 (description="PHOTFARRAY040", quantity="?")
<i>Float1d</i>	PSWJ4 (description="PHOTFARRAY041", quantity="?")
<i>Float1d</i>	PSWE3 (description="PHOTFARRAY042", quantity="?")
<i>Float1d</i>	PSWF4 (description="PHOTFARRAY043", quantity="?")
<i>Float1d</i>	PSWG4 (description="PHOTFARRAY044", quantity="?")
<i>Float1d</i>	PSWH5 (description="PHOTFARRAY045", quantity="?")
<i>Float1d</i>	PSWE4 (description="PHOTFARRAY046", quantity="?")
<i>Float1d</i>	PSWJ5 (description="PHOTFARRAY047", quantity="?")
<i>Float1d</i>	PSWF5 (description="PHOTFARRAY048", quantity="?")
<i>Float1d</i>	PSWD6 (description="PHOTFARRAY049", quantity="?")
<i>Float1d</i>	PSWB6 (description="PHOTFARRAY050", quantity="?")
<i>Float1d</i>	PSWC5 (description="PHOTFARRAY051", quantity="?")
<i>Float1d</i>	PSWA5 (description="PHOTFARRAY052", quantity="?")
<i>Float1d</i>	PSWE5 (description="PHOTFARRAY053", quantity="?")
<i>Float1d</i>	PSWB5 (description="PHOTFARRAY054", quantity="?")
<i>Float1d</i>	PSWD5 (description="PHOTFARRAY055", quantity="?")
<i>Float1d</i>	PSWC4 (description="PHOTFARRAY056", quantity="?")
<i>Float1d</i>	PSWA4 (description="PHOTFARRAY057", quantity="?")
<i>Float1d</i>	PSWD4 (description="PHOTFARRAY058", quantity="?")
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<i>Float1d</i>	PSWC3 (description="PHOTFARRAY060", quantity="?")

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<i>FloatId</i>	PSWD3 (description="PHOTFARRAY064", quantity="?")
<i>FloatId</i>	PSWC2 (description="PHOTFARRAY065", quantity="?")
<i>FloatId</i>	PSWB2 (description="PHOTFARRAY066", quantity="?")
<i>FloatId</i>	PSWD2 (description="PHOTFARRAY067", quantity="?")
<i>FloatId</i>	PSWA1 (description="PHOTFARRAY068", quantity="?")
<i>FloatId</i>	PSWC1 (description="PHOTFARRAY069", quantity="?")
<i>FloatId</i>	PSWB1 (description="PHOTFARRAY070", quantity="?")
<i>FloatId</i>	PSWDP1 (description="PHOTFARRAY071", quantity="?")
<i>FloatId</i>	PSWD1 (description="PHOTFARRAY072", quantity="?")
<i>FloatId</i>	PSWF12 (description="PHOTFARRAY073", quantity="?")
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<i>FloatId</i>	PSWE12 (description="PHOTFARRAY075", quantity="?")
<i>FloatId</i>	PSWH12 (description="PHOTFARRAY076", quantity="?")
<i>FloatId</i>	PSWG12 (description="PHOTFARRAY077", quantity="?")
<i>FloatId</i>	PSWF13 (description="PHOTFARRAY078", quantity="?")
<i>FloatId</i>	PSWE13 (description="PHOTFARRAY079", quantity="?")
<i>FloatId</i>	PSWJ12 (description="PHOTFARRAY080", quantity="?")
<i>FloatId</i>	PSWH13 (description="PHOTFARRAY081", quantity="?")
<i>FloatId</i>	PSWG13 (description="PHOTFARRAY082", quantity="?")
<i>FloatId</i>	PSWF14 (description="PHOTFARRAY083", quantity="?")
<i>FloatId</i>	PSWE14 (description="PHOTFARRAY084", quantity="?")
<i>FloatId</i>	PSWJ13 (description="PHOTFARRAY085", quantity="?")
<i>FloatId</i>	PSWH14 (description="PHOTFARRAY086", quantity="?")
<i>FloatId</i>	PSWG14 (description="PHOTFARRAY087", quantity="?")
<i>FloatId</i>	PSWJ14 (description="PHOTFARRAY088", quantity="?")
<i>FloatId</i>	PSWF15 (description="PHOTFARRAY089", quantity="?")
<i>FloatId</i>	PSWH15 (description="PHOTFARRAY090", quantity="?")
<i>FloatId</i>	PSWJ15 (description="PHOTFARRAY091", quantity="?")
<i>FloatId</i>	PSWG15 (description="PHOTFARRAY092", quantity="?")
<i>FloatId</i>	PSWH16 (description="PHOTFARRAY093", quantity="?")
<i>FloatId</i>	PSWDP2 (description="PHOTFARRAY094", quantity="?")
<i>FloatId</i>	PSWF16 (description="PHOTFARRAY095", quantity="?")
<i>FloatId</i>	PSWE15 (description="PHOTFARRAY096", quantity="?")
<i>FloatId</i>	PSWD11 (description="PHOTFARRAY097", quantity="?")
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<i>FloatId</i>	PSWB10 (description="PHOTFARRAY101", quantity="?")
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<i>FloatId</i>	PSWA9 (description="PHOTFARRAY103", quantity="?")
<i>FloatId</i>	PSWE9 (description="PHOTFARRAY104", quantity="?")
<i>FloatId</i>	PSWC9 (description="PHOTFARRAY105", quantity="?")
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<i>FloatId</i>	PSWA8 (description="PHOTFARRAY108", quantity="?")
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<i>FloatId</i>	PSWE8 (description="PHOTFARRAY110", quantity="?")
<i>FloatId</i>	PSWD8 (description="PHOTFARRAY111", quantity="?")
<i>FloatId</i>	PSWB8 (description="PHOTFARRAY112", quantity="?")
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<i>FloatId</i>	PSWA7 (description="PHOTFARRAY115", quantity="?")
<i>FloatId</i>	PSWD7 (description="PHOTFARRAY116", quantity="?")
<i>FloatId</i>	PSWB7 (description="PHOTFARRAY117", quantity="?")
<i>FloatId</i>	PSWC6 (description="PHOTFARRAY118", quantity="?")
<i>FloatId</i>	PSWE6 (description="PHOTFARRAY119", quantity="?")
<i>FloatId</i>	PSWA6 (description="PHOTFARRAY120", quantity="?")
<i>FloatId</i>	PSWG5 (description="PHOTFARRAY121", quantity="?")
<i>FloatId</i>	PSWH6 (description="PHOTFARRAY122", quantity="?")
<i>FloatId</i>	PSWJ6 (description="PHOTFARRAY123", quantity="?")
<i>FloatId</i>	PSWF6 (description="PHOTFARRAY124", quantity="?")
<i>FloatId</i>	PSWG6 (description="PHOTFARRAY125", quantity="?")
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<i>FloatId</i>	PSWF7 (description="PHOTFARRAY127", quantity="?")
<i>FloatId</i>	PSWJ7 (description="PHOTFARRAY128", quantity="?")
<i>FloatId</i>	PSWG7 (description="PHOTFARRAY129", quantity="?")
<i>FloatId</i>	PSWH8 (description="PHOTFARRAY130", quantity="?")
<i>FloatId</i>	PSWF8 (description="PHOTFARRAY131", quantity="?")
<i>FloatId</i>	PSWG8 (description="PHOTFARRAY132", quantity="?")
<i>FloatId</i>	PSWJ8 (description="PHOTFARRAY133", quantity="?")
<i>FloatId</i>	PSWF9 (description="PHOTFARRAY134", quantity="?")
<i>FloatId</i>	PSWH9 (description="PHOTFARRAY135", quantity="?")
<i>FloatId</i>	PSWG9 (description="PHOTFARRAY136", quantity="?")
<i>FloatId</i>	PSWJ9 (description="PHOTFARRAY137", quantity="?")
<i>FloatId</i>	PSWF10 (description="PHOTFARRAY138", quantity="?")
<i>FloatId</i>	PSWH10 (description="PHOTFARRAY139", quantity="?")
<i>FloatId</i>	PSWG10 (description="PHOTFARRAY140", quantity="?")
<i>FloatId</i>	PSWF11 (description="PHOTFARRAY141", quantity="?")
<i>FloatId</i>	PSWJ10 (description="PHOTFARRAY142", quantity="?")
<i>FloatId</i>	PSWH11 (description="PHOTFARRAY143", quantity="?")
<i>FloatId</i>	PSWG11 (description="PHOTFARRAY144", quantity="?")

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<i>FloatId</i>	PLWR1 (description="PHOTFARRAY145", quantity="?")
<i>FloatId</i>	PLWA8 (description="PHOTFARRAY146", quantity="?")
<i>FloatId</i>	PLWA7 (description="PHOTFARRAY147", quantity="?")
<i>FloatId</i>	PLWA6 (description="PHOTFARRAY148", quantity="?")
<i>FloatId</i>	PLWA9 (description="PHOTFARRAY149", quantity="?")
<i>FloatId</i>	PLWC9 (description="PHOTFARRAY150", quantity="?")
<i>FloatId</i>	PLWB8 (description="PHOTFARRAY151", quantity="?")
<i>FloatId</i>	PLWB7 (description="PHOTFARRAY152", quantity="?")
<i>FloatId</i>	PLWC7 (description="PHOTFARRAY153", quantity="?")
<i>FloatId</i>	PLWB5 (description="PHOTFARRAY154", quantity="?")
<i>FloatId</i>	PLWB6 (description="PHOTFARRAY155", quantity="?")
<i>FloatId</i>	PLWA5 (description="PHOTFARRAY156", quantity="?")
<i>FloatId</i>	PLWT1 (description="PHOTFARRAY157", quantity="?")
<i>FloatId</i>	PLWB4 (description="PHOTFARRAY158", quantity="?")
<i>FloatId</i>	PLWC4 (description="PHOTFARRAY159", quantity="?")
<i>FloatId</i>	PLWB3 (description="PHOTFARRAY160", quantity="?")
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<i>FloatId</i>	PLWB2 (description="PHOTFARRAY162", quantity="?")
<i>FloatId</i>	PLWB1 (description="PHOTFARRAY163", quantity="?")
<i>FloatId</i>	PLWA3 (description="PHOTFARRAY164", quantity="?")
<i>FloatId</i>	PLWA4 (description="PHOTFARRAY165", quantity="?")
<i>FloatId</i>	PLWA1 (description="PHOTFARRAY166", quantity="?")
<i>FloatId</i>	PLWDP1 (description="PHOTFARRAY167", quantity="?")
<i>FloatId</i>	PLWA2 (description="PHOTFARRAY168", quantity="?")
<i>FloatId</i>	PLWE1 (description="PHOTFARRAY169", quantity="?")
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<i>FloatId</i>	PLWE3 (description="PHOTFARRAY171", quantity="?")
<i>FloatId</i>	PLWE4 (description="PHOTFARRAY172", quantity="?")
<i>FloatId</i>	PLWD1 (description="PHOTFARRAY173", quantity="?")
<i>FloatId</i>	PLWD2 (description="PHOTFARRAY174", quantity="?")
<i>FloatId</i>	PLWD3 (description="PHOTFARRAY175", quantity="?")
<i>FloatId</i>	PLWD4 (description="PHOTFARRAY176", quantity="?")
<i>FloatId</i>	PLWC1 (description="PHOTFARRAY177", quantity="?")
<i>FloatId</i>	PLWC3 (description="PHOTFARRAY178", quantity="?")
<i>FloatId</i>	PLWC5 (description="PHOTFARRAY179", quantity="?")
<i>FloatId</i>	PLWT2 (description="PHOTFARRAY180", quantity="?")
<i>FloatId</i>	PLWE5 (description="PHOTFARRAY181", quantity="?")
<i>FloatId</i>	PLWC6 (description="PHOTFARRAY182", quantity="?")
<i>FloatId</i>	PLWC8 (description="PHOTFARRAY183", quantity="?")
<i>FloatId</i>	PLWD5 (description="PHOTFARRAY184", quantity="?")
<i>FloatId</i>	PLWD6 (description="PHOTFARRAY185", quantity="?")
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<i>FloatId</i>	PLWD8 (description="PHOTFARRAY187", quantity="?")
<i>FloatId</i>	PLWE7 (description="PHOTFARRAY188", quantity="?")
<i>FloatId</i>	PLWE6 (description="PHOTFARRAY189", quantity="?")
<i>FloatId</i>	PLWE8 (description="PHOTFARRAY190", quantity="?")
<i>FloatId</i>	PLWDP2 (description="PHOTFARRAY191", quantity="?")
<i>FloatId</i>	PLWE9 (description="PHOTFARRAY192", quantity="?")
<i>FloatId</i>	PMWA13 (description="PHOTFARRAY193", quantity="?")
<i>FloatId</i>	PMWT1 (description="PHOTFARRAY194", quantity="?")
<i>FloatId</i>	PMWB12 (description="PHOTFARRAY195", quantity="?")
<i>FloatId</i>	PMWC13 (description="PHOTFARRAY196", quantity="?")
<i>FloatId</i>	PMWA12 (description="PHOTFARRAY197", quantity="?")
<i>FloatId</i>	PMWD12 (description="PHOTFARRAY198", quantity="?")
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<i>FloatId</i>	PMWB11 (description="PHOTFARRAY200", quantity="?")
<i>FloatId</i>	PMWA11 (description="PHOTFARRAY201", quantity="?")
<i>FloatId</i>	PMWE13 (description="PHOTFARRAY202", quantity="?")
<i>FloatId</i>	PMWD11 (description="PHOTFARRAY203", quantity="?")
<i>FloatId</i>	PMWC11 (description="PHOTFARRAY204", quantity="?")
<i>FloatId</i>	PMWB10 (description="PHOTFARRAY205", quantity="?")
<i>FloatId</i>	PMWA10 (description="PHOTFARRAY206", quantity="?")
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<i>FloatId</i>	PMWB9 (description="PHOTFARRAY208", quantity="?")
<i>FloatId</i>	PMWC10 (description="PHOTFARRAY209", quantity="?")
<i>FloatId</i>	PMWC9 (description="PHOTFARRAY210", quantity="?")
<i>FloatId</i>	PMWA9 (description="PHOTFARRAY211", quantity="?")
<i>FloatId</i>	PMWB8 (description="PHOTFARRAY212", quantity="?")
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<i>FloatId</i>	PMWR1 (description="PHOTFARRAY217", quantity="?")
<i>FloatId</i>	PMWG1 (description="PHOTFARRAY218", quantity="?")
<i>FloatId</i>	PMWT2 (description="PHOTFARRAY219", quantity="?")
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<i>FloatId</i>	PMWF1 (description="PHOTFARRAY222", quantity="?")
<i>FloatId</i>	PMWE2 (description="PHOTFARRAY223", quantity="?")
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<i>FloatId</i>	PMWF3 (description="PHOTFARRAY229", quantity="?")
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<i>FloatId</i>	PMWF5 (description="PHOTFARRAY235", quantity="?")
<i>FloatId</i>	PMWG5 (description="PHOTFARRAY236", quantity="?")
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<i>FloatId</i>	PMWG6 (description="PHOTFARRAY238", quantity="?")
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<i>FloatId</i>	PMWG8 (description="PHOTFARRAY254", quantity="?")
<i>FloatId</i>	PMWF8 (description="PHOTFARRAY255", quantity="?")
<i>FloatId</i>	PMWE9 (description="PHOTFARRAY256", quantity="?")
<i>FloatId</i>	PMWG9 (description="PHOTFARRAY257", quantity="?")
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<i>FloatId</i>	PMWF9 (description="PHOTFARRAY259", quantity="?")
<i>FloatId</i>	PMWE10 (description="PHOTFARRAY260", quantity="?")
<i>FloatId</i>	PMWG10 (description="PHOTFARRAY261", quantity="?")
<i>FloatId</i>	PMWC4 (description="PHOTFARRAY262", quantity="?")
<i>FloatId</i>	PMWB3 (description="PHOTFARRAY263", quantity="?")
<i>FloatId</i>	PMWC3 (description="PHOTFARRAY264", quantity="?")
<i>FloatId</i>	PMWB2 (description="PHOTFARRAY265", quantity="?")
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<i>FloatId</i>	PMWA2 (description="PHOTFARRAY268", quantity="?")
<i>FloatId</i>	PMWC2 (description="PHOTFARRAY269", quantity="?")
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<i>Float1d</i>	PMWDP1 (description="PHOTFARRAY272", quantity="?")
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<i>Float1d</i>	PMWB5 (description="PHOTFARRAY279", quantity="?")
<i>Float1d</i>	PMWC6 (description="PHOTFARRAY280", quantity="?")
<i>Float1d</i>	PMWD6 (description="PHOTFARRAY281", quantity="?")
<i>Float1d</i>	PMWB4 (description="PHOTFARRAY282", quantity="?")
<i>Float1d</i>	PMWC5 (description="PHOTFARRAY283", quantity="?")
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<i>Int1d</i>	PSWT1 (description="PHOTFARRAY003", quantity="")
<i>Int1d</i>	PSWB16 (description="PHOTFARRAY004", quantity="")
<i>Int1d</i>	PSWC15 (description="PHOTFARRAY005", quantity="")
<i>Int1d</i>	PSWA15 (description="PHOTFARRAY006", quantity="")
<i>Int1d</i>	PSWD15 (description="PHOTFARRAY007", quantity="")
<i>Int1d</i>	PSWB15 (description="PHOTFARRAY008", quantity="")
<i>Int1d</i>	PSWC14 (description="PHOTFARRAY009", quantity="")
<i>Int1d</i>	PSWD14 (description="PHOTFARRAY010", quantity="")
<i>Int1d</i>	PSWA14 (description="PHOTFARRAY011", quantity="")
<i>Int1d</i>	PSWA13 (description="PHOTFARRAY012", quantity="")
<i>Int1d</i>	PSWB14 (description="PHOTFARRAY013", quantity="")
<i>Int1d</i>	PSWC13 (description="PHOTFARRAY014", quantity="")
<i>Int1d</i>	PSWB13 (description="PHOTFARRAY015", quantity="")
<i>Int1d</i>	PSWD13 (description="PHOTFARRAY016", quantity="")
<i>Int1d</i>	PSWA12 (description="PHOTFARRAY017", quantity="")
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<i>IntId</i>	PSWF5 (description="PHOTFARRAY048", quantity="")
<i>IntId</i>	PSWD6 (description="PHOTFARRAY049", quantity="")
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<i>IntId</i>	PSWE5 (description="PHOTFARRAY053", quantity="")
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<i>Int1d</i>	PSWA1 (description="PHOTFARRAY068", quantity="")
<i>Int1d</i>	PSWC1 (description="PHOTFARRAY069", quantity="")
<i>Int1d</i>	PSWB1 (description="PHOTFARRAY070", quantity="")
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<i>Int1d</i>	PSWD1 (description="PHOTFARRAY072", quantity="")
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<i>Int1d</i>	PSWE12 (description="PHOTFARRAY075", quantity="")
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<i>Int1d</i>	PSWA9 (description="PHOTFARRAY103", quantity="")
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<i>Int1d</i>	PSWD9 (description="PHOTFARRAY107", quantity="")
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<i>Int1d</i>	PSWH6 (description="PHOTFARRAY122", quantity="")
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<i>Int1d</i>	PSWH9 (description="PHOTFARRAY135", quantity="")
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<i>Int1d</i>	PLWB1 (description="PHOTFARRAY163", quantity="")
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<i>Int1d</i>	PLWD2 (description="PHOTFARRAY174", quantity="")
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<i>Int1d</i>	PLWC1 (description="PHOTFARRAY177", quantity="")
<i>Int1d</i>	PLWC3 (description="PHOTFARRAY178", quantity="")
<i>Int1d</i>	PLWC5 (description="PHOTFARRAY179", quantity="")
<i>Int1d</i>	PLWT2 (description="PHOTFARRAY180", quantity="")
<i>Int1d</i>	PLWE5 (description="PHOTFARRAY181", quantity="")
<i>Int1d</i>	PLWC6 (description="PHOTFARRAY182", quantity="")
<i>Int1d</i>	PLWC8 (description="PHOTFARRAY183", quantity="")
<i>Int1d</i>	PLWD5 (description="PHOTFARRAY184", quantity="")
<i>Int1d</i>	PLWD6 (description="PHOTFARRAY185", quantity="")
<i>Int1d</i>	PLWD7 (description="PHOTFARRAY186", quantity="")
<i>Int1d</i>	PLWD8 (description="PHOTFARRAY187", quantity="")
<i>Int1d</i>	PLWE7 (description="PHOTFARRAY188", quantity="")

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<i>Int1d</i>	PLWE6 (description="PHOTFARRAY189", quantity="")
<i>Int1d</i>	PLWE8 (description="PHOTFARRAY190", quantity="")
<i>Int1d</i>	PLWDP2 (description="PHOTFARRAY191", quantity="")
<i>Int1d</i>	PLWE9 (description="PHOTFARRAY192", quantity="")
<i>Int1d</i>	PMWA13 (description="PHOTFARRAY193", quantity="")
<i>Int1d</i>	PMWT1 (description="PHOTFARRAY194", quantity="")
<i>Int1d</i>	PMWB12 (description="PHOTFARRAY195", quantity="")
<i>Int1d</i>	PMWC13 (description="PHOTFARRAY196", quantity="")
<i>Int1d</i>	PMWA12 (description="PHOTFARRAY197", quantity="")
<i>Int1d</i>	PMWD12 (description="PHOTFARRAY198", quantity="")
<i>Int1d</i>	PMWC12 (description="PHOTFARRAY199", quantity="")
<i>Int1d</i>	PMWB11 (description="PHOTFARRAY200", quantity="")
<i>Int1d</i>	PMWA11 (description="PHOTFARRAY201", quantity="")
<i>Int1d</i>	PMWE13 (description="PHOTFARRAY202", quantity="")
<i>Int1d</i>	PMWD11 (description="PHOTFARRAY203", quantity="")
<i>Int1d</i>	PMWC11 (description="PHOTFARRAY204", quantity="")
<i>Int1d</i>	PMWB10 (description="PHOTFARRAY205", quantity="")
<i>Int1d</i>	PMWA10 (description="PHOTFARRAY206", quantity="")
<i>Int1d</i>	PMWD10 (description="PHOTFARRAY207", quantity="")
<i>Int1d</i>	PMWB9 (description="PHOTFARRAY208", quantity="")
<i>Int1d</i>	PMWC10 (description="PHOTFARRAY209", quantity="")
<i>Int1d</i>	PMWC9 (description="PHOTFARRAY210", quantity="")
<i>Int1d</i>	PMWA9 (description="PHOTFARRAY211", quantity="")
<i>Int1d</i>	PMWB8 (description="PHOTFARRAY212", quantity="")
<i>Int1d</i>	PMWA8 (description="PHOTFARRAY213", quantity="")
<i>Int1d</i>	PMWD8 (description="PHOTFARRAY214", quantity="")
<i>Int1d</i>	PMWC8 (description="PHOTFARRAY215", quantity="")
<i>Int1d</i>	PMWB7 (description="PHOTFARRAY216", quantity="")
<i>Int1d</i>	PMWR1 (description="PHOTFARRAY217", quantity="")
<i>Int1d</i>	PMWG1 (description="PHOTFARRAY218", quantity="")
<i>Int1d</i>	PMWT2 (description="PHOTFARRAY219", quantity="")
<i>Int1d</i>	PMWE1 (description="PHOTFARRAY220", quantity="")
<i>Int1d</i>	PMWD1 (description="PHOTFARRAY221", quantity="")
<i>Int1d</i>	PMWF1 (description="PHOTFARRAY222", quantity="")
<i>Int1d</i>	PMWE2 (description="PHOTFARRAY223", quantity="")
<i>Int1d</i>	PMWG2 (description="PHOTFARRAY224", quantity="")
<i>Int1d</i>	PMWF2 (description="PHOTFARRAY225", quantity="")
<i>Int1d</i>	PMWG3 (description="PHOTFARRAY226", quantity="")
<i>Int1d</i>	PMWE3 (description="PHOTFARRAY227", quantity="")
<i>Int1d</i>	PMWD3 (description="PHOTFARRAY228", quantity="")
<i>Int1d</i>	PMWF3 (description="PHOTFARRAY229", quantity="")
<i>Int1d</i>	PMWG4 (description="PHOTFARRAY230", quantity="")

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<i>IntId</i>	PMWE4 (description="PHOTFARRAY231", quantity="")
<i>IntId</i>	PMWF4 (description="PHOTFARRAY232", quantity="")
<i>IntId</i>	PMWE5 (description="PHOTFARRAY233", quantity="")
<i>IntId</i>	PMWD5 (description="PHOTFARRAY234", quantity="")
<i>IntId</i>	PMWF5 (description="PHOTFARRAY235", quantity="")
<i>IntId</i>	PMWG5 (description="PHOTFARRAY236", quantity="")
<i>IntId</i>	PMWE6 (description="PHOTFARRAY237", quantity="")
<i>IntId</i>	PMWG6 (description="PHOTFARRAY238", quantity="")
<i>IntId</i>	PMWF6 (description="PHOTFARRAY239", quantity="")
<i>IntId</i>	PMWG7 (description="PHOTFARRAY240", quantity="")
<i>IntId</i>	PMWF10 (description="PHOTFARRAY241", quantity="")
<i>IntId</i>	PMWE11 (description="PHOTFARRAY242", quantity="")
<i>IntId</i>	PMWG11 (description="PHOTFARRAY243", quantity="")
<i>IntId</i>	PMWF11 (description="PHOTFARRAY244", quantity="")
<i>IntId</i>	PMWE12 (description="PHOTFARRAY245", quantity="")
<i>IntId</i>	PMWG12 (description="PHOTFARRAY246", quantity="")
<i>IntId</i>	PMWF12 (description="PHOTFARRAY247", quantity="")
<i>IntId</i>	PMWG13 (description="PHOTFARRAY248", quantity="")
<i>IntId</i>	PMWDP2 (description="PHOTFARRAY249", quantity="")
<i>IntId</i>	PMWE7 (description="PHOTFARRAY250", quantity="")
<i>IntId</i>	PMWD7 (description="PHOTFARRAY251", quantity="")
<i>IntId</i>	PMWF7 (description="PHOTFARRAY252", quantity="")
<i>IntId</i>	PMWE8 (description="PHOTFARRAY253", quantity="")
<i>IntId</i>	PMWG8 (description="PHOTFARRAY254", quantity="")
<i>IntId</i>	PMWF8 (description="PHOTFARRAY255", quantity="")
<i>IntId</i>	PMWE9 (description="PHOTFARRAY256", quantity="")
<i>IntId</i>	PMWG9 (description="PHOTFARRAY257", quantity="")
<i>IntId</i>	PMWD9 (description="PHOTFARRAY258", quantity="")
<i>IntId</i>	PMWF9 (description="PHOTFARRAY259", quantity="")
<i>IntId</i>	PMWE10 (description="PHOTFARRAY260", quantity="")
<i>IntId</i>	PMWG10 (description="PHOTFARRAY261", quantity="")
<i>IntId</i>	PMWC4 (description="PHOTFARRAY262", quantity="")
<i>IntId</i>	PMWB3 (description="PHOTFARRAY263", quantity="")
<i>IntId</i>	PMWC3 (description="PHOTFARRAY264", quantity="")
<i>IntId</i>	PMWB2 (description="PHOTFARRAY265", quantity="")
<i>IntId</i>	PMWD2 (description="PHOTFARRAY266", quantity="")
<i>IntId</i>	PMWA3 (description="PHOTFARRAY267", quantity="")
<i>IntId</i>	PMWA2 (description="PHOTFARRAY268", quantity="")
<i>IntId</i>	PMWC2 (description="PHOTFARRAY269", quantity="")
<i>IntId</i>	PMWB1 (description="PHOTFARRAY270", quantity="")
<i>IntId</i>	PMWA1 (description="PHOTFARRAY271", quantity="")
<i>IntId</i>	PMWDP1 (description="PHOTFARRAY272", quantity="")

<i>Int1d</i>	PMWC1 (description="PHOTFARRAY273", quantity="")
<i>Int1d</i>	PMWA7 (description="PHOTFARRAY274", quantity="")
<i>Int1d</i>	PMWA6 (description="PHOTFARRAY275", quantity="")
<i>Int1d</i>	PMWB6 (description="PHOTFARRAY276", quantity="")
<i>Int1d</i>	PMWC7 (description="PHOTFARRAY277", quantity="")
<i>Int1d</i>	PMWA5 (description="PHOTFARRAY278", quantity="")
<i>Int1d</i>	PMWB5 (description="PHOTFARRAY279", quantity="")
<i>Int1d</i>	PMWC6 (description="PHOTFARRAY280", quantity="")
<i>Int1d</i>	PMWD6 (description="PHOTFARRAY281", quantity="")
<i>Int1d</i>	PMWB4 (description="PHOTFARRAY282", quantity="")
<i>Int1d</i>	PMWC5 (description="PHOTFARRAY283", quantity="")
<i>Int1d</i>	PMWD4 (description="PHOTFARRAY284", quantity="")
<i>Int1d</i>	PMWA4 (description="PHOTFARRAY285", quantity="")
<i>Int1d</i>	PTCP1 (description="PHOTFARRAY286", quantity="")
<i>Int1d</i>	PTCP2 (description="PHOTFARRAY287", quantity="")
<i>Int1d</i>	PTCP3 (description="PHOTFARRAY288", quantity="")
<i>table dataset</i>	(description="Quality control metric quantities")
<i>Metadata</i>	
<i>String1d</i>	channelName (description="Channel name", quantity="")
<i>Float1d</i>	adcErrors (description="Fraction of ADC errors", quantity="")
<i>Float1d</i>	truncation (description="Fraction of out of range values", quantity="")
<i>compos-ite</i>	(description="History of product")
<i>Metadata</i>	
<i>LongParameter</i>	id (description="Unique ID")
<i>table dataset</i>	(description="History as Jython script")
<i>Metadata</i>	
<i>StringParameter</i>	outvar (description="last output variable")
<i>String1d</i>	Lines (description="script lines", quantity="none")
<i>table dataset</i>	(description="History of tasks")
<i>Metadata</i>	
<i>Long1d</i>	ID (description="Links the parameter and task table", quantity="none")
<i>String1d</i>	Name (description="The name of the task", quantity="none")
<i>Long1d</i>	ExecDate (description="Time of execution (FINETIME)", quantity="none")
<i>Bool1d</i>	Succeeded (description="Flag for success/failed", quantity="none")
<i>Long1d</i>	HistoryId (description="Id of current history", quantity="none")
<i>table dataset</i>	(description="The parameters belonging to the task history")
<i>Metadata</i>	
<i>Long1d</i>	TaskID (description="Links the parameter and task table", quantity="none")
<i>String1d</i>	Name (description="The name of the parameter", quantity="none")

<i>StringId</i>	Type (description="Type of parameter", quantity="none")
<i>StringId</i>	Value (description="String representation of the parameter value", quantity="none")
<i>BoolId</i>	IsDefault (description="True if the default value has been used", quantity="none")
<i>LongId</i>	IncHistoryId (description="ID of the history of an included product", quantity="none")
<i>IntId</i>	IncNumTask (description="Number of tasks to include from history", quantity="none")
<i>LongId</i>	HistoryId (description="Id of current history", quantity="none")
<i>BoolId</i>	UserInput (description="Needs user input", quantity="none")
<i>table dataset</i>	(description="Temperature")
<i>Metadata</i>	
<i>DoubleId</i>	sampleTime (description="Sample time", quantity="TAI")
<i>FloatId</i>	PSWT1 (description="Thermistor temperature", quantity="K")
<i>FloatId</i>	PSWT2 (description="Thermistor temperature", quantity="K")
<i>FloatId</i>	PLWT1 (description="Thermistor temperature", quantity="K")
<i>FloatId</i>	PLWT2 (description="Thermistor temperature", quantity="K")
<i>FloatId</i>	PMWT1 (description="Thermistor temperature", quantity="K")
<i>FloatId</i>	PMWT2 (description="Thermistor temperature", quantity="K")

5.2.2. SDT: Spectrometer Detector Timeline

<i>product (type="SDT", description="Spectrometer Detector Timeline")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	aorLabel (description="AOR Label as entered in HSpot")
StringParameter	aot (description="AOT Identifier")
StringParameter	author (description="Author of the Data")

StringParameter	cusMode (description="CUS observation mode")
DoubleParameter	dec (description="Actual Declination of pointing")
DoubleParameter	decNominal (description="Requested Declination of pointing")
DoubleParameter	equinox (description="Equinox of celestial coordinate system")
StringParameter	instMode (description="Instrument mode")
StringParameter	fileName (description="file name for export")
StringParameter	missionConfig (description="Mission configuration")
StringParameter	naifId (description="SSO NAIF identifier")
StringParameter	object (description="Target name")
StringParameter	observer (description="Observer name")
LongParameter	obsid (description="Observation identifier")
StringParameter	obsMode (description="Observing mode")
LongParameter	odNumber (description="Operational day number")
StringParameter	pointingMode (description="Pointing mode")
DoubleParameter	posAngle (description="Position Angle of pointing")
StringParameter	proposal (description="Proposal name")
DoubleParameter	ra (description="Actual Right Ascension of pointing")
StringParameter	raDeSys (description="Coordinate reference frame for the RA and DEC")
DoubleParameter	raNominal (description="Requested Right Ascension of pointing")
StringParameter	telescope (description="Name of telescope")
StringParameter	subsystem (description="Instrument subsystem")
LongParameter	bbid (description="Building Block Identifier")
StringParameter	source (description="TM source packet name")
StringParameter	commandedResolution (description="Commanded Spectral Resolution")
StringParameter	bbTypeName (description="Building block type name")

BooleanParameter	offsetApp (description="Detector offsets applied")
DoubleParameter	biasFreq (description="Bias frequency")
BooleanParameter	rcRollApp (description="RC roll correction applied")
table dataset	(description="Signal timelines")
Metadata	
Double1d	sampleTime (description="SpireDataFrame time", quantity="s")
Double1d	SSWR1 (description="SPECFARRAY001", quantity="V")
Double1d	SSWA4 (description="SPECFARRAY002", quantity="V")
Double1d	SSWA3 (description="SPECFARRAY003", quantity="V")
Double1d	SSWA2 (description="SPECFARRAY004", quantity="V")
Double1d	SSWA1 (description="SPECFARRAY005", quantity="V")
Double1d	SSWDP1 (description="SPECFARRAY006", quantity="V")
Double1d	SSWB3 (description="SPECFARRAY007", quantity="V")
Double1d	SSWB2 (description="SPECFARRAY008", quantity="V")
Double1d	SSWB1 (description="SPECFARRAY009", quantity="V")
Double1d	SSWC3 (description="SPECFARRAY010", quantity="V")
Double1d	SSWC2 (description="SPECFARRAY011", quantity="V")
Double1d	SSWC1 (description="SPECFARRAY012", quantity="V")
Double1d	SSWD3 (description="SPECFARRAY013", quantity="V")
Double1d	SSWD2 (description="SPECFARRAY014", quantity="V")
Double1d	SSWD1 (description="SPECFARRAY015", quantity="V")
Double1d	SSWE3 (description="SPECFARRAY016", quantity="V")
Double1d	SSWE2 (description="SPECFARRAY017", quantity="V")
Double1d	SSWE1 (description="SPECFARRAY018", quantity="V")
Double1d	SSWF3 (description="SPECFARRAY019", quantity="V")
Double1d	SSWF2 (description="SPECFARRAY020", quantity="V")
Double1d	SSWF1 (description="SPECFARRAY021", quantity="V")
Double1d	SSWG1 (description="SPECFARRAY022", quantity="V")
Double1d	SSWT1 (description="SPECFARRAY023", quantity="V")
Double1d	SSWG2 (description="SPECFARRAY024", quantity="V")
Double1d	SSWE5 (description="SPECFARRAY025", quantity="V")
Double1d	SSWE4 (description="SPECFARRAY026", quantity="V")
Double1d	SSWD7 (description="SPECFARRAY027", quantity="V")
Double1d	SSWD6 (description="SPECFARRAY028", quantity="V")
Double1d	SSWD5 (description="SPECFARRAY029", quantity="V")
Double1d	SSWD4 (description="SPECFARRAY030", quantity="V")
Double1d	SSWC6 (description="SPECFARRAY031", quantity="V")
Double1d	SSWC5 (description="SPECFARRAY032", quantity="V")
Double1d	SSWC4 (description="SPECFARRAY033", quantity="V")

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<i>Double1d</i>	SSWB5 (description="SPECFARRAY034", quantity="V")
<i>Double1d</i>	SSWB4 (description="SPECFARRAY035", quantity="V")
<i>Double1d</i>	SSWT2 (description="SPECFARRAY036", quantity="V")
<i>Double1d</i>	SSWG3 (description="SPECFARRAY037", quantity="V")
<i>Double1d</i>	SSWG4 (description="SPECFARRAY038", quantity="V")
<i>Double1d</i>	SSWDP2 (description="SPECFARRAY039", quantity="V")
<i>Double1d</i>	SSWF5 (description="SPECFARRAY040", quantity="V")
<i>Double1d</i>	SSWF4 (description="SPECFARRAY041", quantity="V")
<i>Double1d</i>	SSWE6 (description="SPECFARRAY042", quantity="V")
<i>Double1d</i>	SLWR1 (description="SPECFARRAY049", quantity="V")
<i>Double1d</i>	SLWT1 (description="SPECFARRAY050", quantity="V")
<i>Double1d</i>	SLWC1 (description="SPECFARRAY051", quantity="V")
<i>Double1d</i>	SLWDP1 (description="SPECFARRAY052", quantity="V")
<i>Double1d</i>	SLWB1 (description="SPECFARRAY053", quantity="V")
<i>Double1d</i>	SLWD1 (description="SPECFARRAY054", quantity="V")
<i>Double1d</i>	SLWE1 (description="SPECFARRAY055", quantity="V")
<i>Double1d</i>	SLWA1 (description="SPECFARRAY056", quantity="V")
<i>Double1d</i>	SLWC2 (description="SPECFARRAY057", quantity="V")
<i>Double1d</i>	SLWD2 (description="SPECFARRAY058", quantity="V")
<i>Double1d</i>	SLWB2 (description="SPECFARRAY059", quantity="V")
<i>Double1d</i>	SLWE2 (description="SPECFARRAY060", quantity="V")
<i>Double1d</i>	SLWA2 (description="SPECFARRAY061", quantity="V")
<i>Double1d</i>	SLWC3 (description="SPECFARRAY062", quantity="V")
<i>Double1d</i>	SLWD3 (description="SPECFARRAY063", quantity="V")
<i>Double1d</i>	SLWB3 (description="SPECFARRAY064", quantity="V")
<i>Double1d</i>	SLWE3 (description="SPECFARRAY065", quantity="V")
<i>Double1d</i>	SLWC4 (description="SPECFARRAY066", quantity="V")
<i>Double1d</i>	SLWDP2 (description="SPECFARRAY067", quantity="V")
<i>Double1d</i>	SLWD4 (description="SPECFARRAY068", quantity="V")
<i>Double1d</i>	SLWC5 (description="SPECFARRAY069", quantity="V")
<i>Double1d</i>	SLWB4 (description="SPECFARRAY070", quantity="V")
<i>Double1d</i>	SLWA3 (description="SPECFARRAY071", quantity="V")
<i>Double1d</i>	SLWT2 (description="SPECFARRAY072", quantity="V")
<i>table dataset</i>	(description="Signal timelines")
<i>Metadata</i>	
<i>Double1d</i>	sampleTime (description="SpireDataFrame time", quantity="s")
<i>Double1d</i>	SSWR1 (description="SPECFARRAY001", quantity="?")
<i>Double1d</i>	SSWA4 (description="SPECFARRAY002", quantity="?")
<i>Double1d</i>	SSWA3 (description="SPECFARRAY003", quantity="?")
<i>Double1d</i>	SSWA2 (description="SPECFARRAY004", quantity="?")
<i>Double1d</i>	SSWA1 (description="SPECFARRAY005", quantity="?")

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<i>Double1d</i>	SSWDP1 (description="SPECFARRAY006", quantity="?")
<i>Double1d</i>	SSWB3 (description="SPECFARRAY007", quantity="?")
<i>Double1d</i>	SSWB2 (description="SPECFARRAY008", quantity="?")
<i>Double1d</i>	SSWB1 (description="SPECFARRAY009", quantity="?")
<i>Double1d</i>	SSWC3 (description="SPECFARRAY010", quantity="?")
<i>Double1d</i>	SSWC2 (description="SPECFARRAY011", quantity="?")
<i>Double1d</i>	SSWC1 (description="SPECFARRAY012", quantity="?")
<i>Double1d</i>	SSWD3 (description="SPECFARRAY013", quantity="?")
<i>Double1d</i>	SSWD2 (description="SPECFARRAY014", quantity="?")
<i>Double1d</i>	SSWD1 (description="SPECFARRAY015", quantity="?")
<i>Double1d</i>	SSWE3 (description="SPECFARRAY016", quantity="?")
<i>Double1d</i>	SSWE2 (description="SPECFARRAY017", quantity="?")
<i>Double1d</i>	SSWE1 (description="SPECFARRAY018", quantity="?")
<i>Double1d</i>	SSWF3 (description="SPECFARRAY019", quantity="?")
<i>Double1d</i>	SSWF2 (description="SPECFARRAY020", quantity="?")
<i>Double1d</i>	SSWF1 (description="SPECFARRAY021", quantity="?")
<i>Double1d</i>	SSWG1 (description="SPECFARRAY022", quantity="?")
<i>Double1d</i>	SSWT1 (description="SPECFARRAY023", quantity="?")
<i>Double1d</i>	SSWG2 (description="SPECFARRAY024", quantity="?")
<i>Double1d</i>	SSWE5 (description="SPECFARRAY025", quantity="?")
<i>Double1d</i>	SSWE4 (description="SPECFARRAY026", quantity="?")
<i>Double1d</i>	SSWD7 (description="SPECFARRAY027", quantity="?")
<i>Double1d</i>	SSWD6 (description="SPECFARRAY028", quantity="?")
<i>Double1d</i>	SSWD5 (description="SPECFARRAY029", quantity="?")
<i>Double1d</i>	SSWD4 (description="SPECFARRAY030", quantity="?")
<i>Double1d</i>	SSWC6 (description="SPECFARRAY031", quantity="?")
<i>Double1d</i>	SSWC5 (description="SPECFARRAY032", quantity="?")
<i>Double1d</i>	SSWC4 (description="SPECFARRAY033", quantity="?")
<i>Double1d</i>	SSWB5 (description="SPECFARRAY034", quantity="?")
<i>Double1d</i>	SSWB4 (description="SPECFARRAY035", quantity="?")
<i>Double1d</i>	SSWT2 (description="SPECFARRAY036", quantity="?")
<i>Double1d</i>	SSWG3 (description="SPECFARRAY037", quantity="?")
<i>Double1d</i>	SSWG4 (description="SPECFARRAY038", quantity="?")
<i>Double1d</i>	SSWDP2 (description="SPECFARRAY039", quantity="?")
<i>Double1d</i>	SSWF5 (description="SPECFARRAY040", quantity="?")
<i>Double1d</i>	SSWF4 (description="SPECFARRAY041", quantity="?")
<i>Double1d</i>	SSWE6 (description="SPECFARRAY042", quantity="?")
<i>Double1d</i>	SLWR1 (description="SPECFARRAY049", quantity="?")
<i>Double1d</i>	SLWT1 (description="SPECFARRAY050", quantity="?")
<i>Double1d</i>	SLWC1 (description="SPECFARRAY051", quantity="?")
<i>Double1d</i>	SLWDP1 (description="SPECFARRAY052", quantity="?")
<i>Double1d</i>	SLWB1 (description="SPECFARRAY053", quantity="?")

<i>Double1d</i>	SLWD1 (description="SPECFARRAY054", quantity="?")
<i>Double1d</i>	SLWE1 (description="SPECFARRAY055", quantity="?")
<i>Double1d</i>	SLWA1 (description="SPECFARRAY056", quantity="?")
<i>Double1d</i>	SLWC2 (description="SPECFARRAY057", quantity="?")
<i>Double1d</i>	SLWD2 (description="SPECFARRAY058", quantity="?")
<i>Double1d</i>	SLWB2 (description="SPECFARRAY059", quantity="?")
<i>Double1d</i>	SLWE2 (description="SPECFARRAY060", quantity="?")
<i>Double1d</i>	SLWA2 (description="SPECFARRAY061", quantity="?")
<i>Double1d</i>	SLWC3 (description="SPECFARRAY062", quantity="?")
<i>Double1d</i>	SLWD3 (description="SPECFARRAY063", quantity="?")
<i>Double1d</i>	SLWB3 (description="SPECFARRAY064", quantity="?")
<i>Double1d</i>	SLWE3 (description="SPECFARRAY065", quantity="?")
<i>Double1d</i>	SLWC4 (description="SPECFARRAY066", quantity="?")
<i>Double1d</i>	SLWDP2 (description="SPECFARRAY067", quantity="?")
<i>Double1d</i>	SLWD4 (description="SPECFARRAY068", quantity="?")
<i>Double1d</i>	SLWC5 (description="SPECFARRAY069", quantity="?")
<i>Double1d</i>	SLWB4 (description="SPECFARRAY070", quantity="?")
<i>Double1d</i>	SLWA3 (description="SPECFARRAY071", quantity="?")
<i>Double1d</i>	SLWT2 (description="SPECFARRAY072", quantity="?")
<i>table dataset</i>	(description="Mask timelines")
<i>Metadata</i>	
<i>Double1d</i>	sampleTime (description="SpireDataFrame time", quantity="s")
<i>Int1d</i>	SSWR1 (description="SPECFARRAY001", quantity="")
<i>Int1d</i>	SSWA4 (description="SPECFARRAY002", quantity="")
<i>Int1d</i>	SSWA3 (description="SPECFARRAY003", quantity="")
<i>Int1d</i>	SSWA2 (description="SPECFARRAY004", quantity="")
<i>Int1d</i>	SSWA1 (description="SPECFARRAY005", quantity="")
<i>Int1d</i>	SSWDP1 (description="SPECFARRAY006", quantity="")
<i>Int1d</i>	SSWB3 (description="SPECFARRAY007", quantity="")
<i>Int1d</i>	SSWB2 (description="SPECFARRAY008", quantity="")
<i>Int1d</i>	SSWB1 (description="SPECFARRAY009", quantity="")
<i>Int1d</i>	SSWC3 (description="SPECFARRAY010", quantity="")
<i>Int1d</i>	SSWC2 (description="SPECFARRAY011", quantity="")
<i>Int1d</i>	SSWC1 (description="SPECFARRAY012", quantity="")
<i>Int1d</i>	SSWD3 (description="SPECFARRAY013", quantity="")
<i>Int1d</i>	SSWD2 (description="SPECFARRAY014", quantity="")
<i>Int1d</i>	SSWD1 (description="SPECFARRAY015", quantity="")
<i>Int1d</i>	SSWE3 (description="SPECFARRAY016", quantity="")
<i>Int1d</i>	SSWE2 (description="SPECFARRAY017", quantity="")
<i>Int1d</i>	SSWE1 (description="SPECFARRAY018", quantity="")
<i>Int1d</i>	SSWF3 (description="SPECFARRAY019", quantity="")

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<i>Int1d</i>	SSWF2 (description="SPECFARRAY020", quantity="")
<i>Int1d</i>	SSWF1 (description="SPECFARRAY021", quantity="")
<i>Int1d</i>	SSWG1 (description="SPECFARRAY022", quantity="")
<i>Int1d</i>	SSWT1 (description="SPECFARRAY023", quantity="")
<i>Int1d</i>	SSWG2 (description="SPECFARRAY024", quantity="")
<i>Int1d</i>	SSWE5 (description="SPECFARRAY025", quantity="")
<i>Int1d</i>	SSWE4 (description="SPECFARRAY026", quantity="")
<i>Int1d</i>	SSWD7 (description="SPECFARRAY027", quantity="")
<i>Int1d</i>	SSWD6 (description="SPECFARRAY028", quantity="")
<i>Int1d</i>	SSWD5 (description="SPECFARRAY029", quantity="")
<i>Int1d</i>	SSWD4 (description="SPECFARRAY030", quantity="")
<i>Int1d</i>	SSWC6 (description="SPECFARRAY031", quantity="")
<i>Int1d</i>	SSWC5 (description="SPECFARRAY032", quantity="")
<i>Int1d</i>	SSWC4 (description="SPECFARRAY033", quantity="")
<i>Int1d</i>	SSWB5 (description="SPECFARRAY034", quantity="")
<i>Int1d</i>	SSWB4 (description="SPECFARRAY035", quantity="")
<i>Int1d</i>	SSWT2 (description="SPECFARRAY036", quantity="")
<i>Int1d</i>	SSWG3 (description="SPECFARRAY037", quantity="")
<i>Int1d</i>	SSWG4 (description="SPECFARRAY038", quantity="")
<i>Int1d</i>	SSWDP2 (description="SPECFARRAY039", quantity="")
<i>Int1d</i>	SSWF5 (description="SPECFARRAY040", quantity="")
<i>Int1d</i>	SSWF4 (description="SPECFARRAY041", quantity="")
<i>Int1d</i>	SSWE6 (description="SPECFARRAY042", quantity="")
<i>Int1d</i>	SLWR1 (description="SPECFARRAY049", quantity="")
<i>Int1d</i>	SLWT1 (description="SPECFARRAY050", quantity="")
<i>Int1d</i>	SLWC1 (description="SPECFARRAY051", quantity="")
<i>Int1d</i>	SLWDP1 (description="SPECFARRAY052", quantity="")
<i>Int1d</i>	SLWB1 (description="SPECFARRAY053", quantity="")
<i>Int1d</i>	SLWD1 (description="SPECFARRAY054", quantity="")
<i>Int1d</i>	SLWE1 (description="SPECFARRAY055", quantity="")
<i>Int1d</i>	SLWA1 (description="SPECFARRAY056", quantity="")
<i>Int1d</i>	SLWC2 (description="SPECFARRAY057", quantity="")
<i>Int1d</i>	SLWD2 (description="SPECFARRAY058", quantity="")
<i>Int1d</i>	SLWB2 (description="SPECFARRAY059", quantity="")
<i>Int1d</i>	SLWE2 (description="SPECFARRAY060", quantity="")
<i>Int1d</i>	SLWA2 (description="SPECFARRAY061", quantity="")
<i>Int1d</i>	SLWC3 (description="SPECFARRAY062", quantity="")
<i>Int1d</i>	SLWD3 (description="SPECFARRAY063", quantity="")
<i>Int1d</i>	SLWB3 (description="SPECFARRAY064", quantity="")
<i>Int1d</i>	SLWE3 (description="SPECFARRAY065", quantity="")
<i>Int1d</i>	SLWC4 (description="SPECFARRAY066", quantity="")
<i>Int1d</i>	SLWDP2 (description="SPECFARRAY067", quantity="")

	<i>IntId</i>	SLWD4 (description="SPECFARRAY068", quantity="")
	<i>IntId</i>	SLWC5 (description="SPECFARRAY069", quantity="")
	<i>IntId</i>	SLWB4 (description="SPECFARRAY070", quantity="")
	<i>IntId</i>	SLWA3 (description="SPECFARRAY071", quantity="")
	<i>IntId</i>	SLWT2 (description="SPECFARRAY072", quantity="")
<i>table dataset</i>	(description="Time quantities")	
<i>Metadata</i>		
	<i>LongId</i>	sdfTime (description="SpireDataFrame time", quantity="")
	<i>LongId</i>	packetTime (description="TM packet time", quantity="")
	<i>LongId</i>	seqCount (description="Sequence count", quantity="")
	<i>LongId</i>	frameTime (description="SPECFFRAMETIME", quantity="")
<i>table dataset</i>	(description="Quality control metric quantities")	
<i>Metadata</i>		
	<i>StringId</i>	channelName (description="Channel name", quantity="")
	<i>FloatId</i>	adcErrors (description="Fraction of ADC errors", quantity="")
	<i>FloatId</i>	truncation (description="Fraction of out of range values", quantity="")

5.2.3. POT: Photometer Offset Timeline

<i>product (type="POT", description="Photometer Offset Timeline")</i>		
<i>Metadata</i>		
StringParameter	type	(description="Product Type Identification")
StringParameter	creator	(description="Generator of this product")
DateParameter	creationDate	(description="Creation date of this product")
StringParameter	description	(description="Name of this product")
StringParameter	instrument	(description="Instrument attached to this product")
StringParameter	modelName	(description="Model name attached to this product")
DateParameter	startDate	(description="Start date of this product")
DateParameter	endDate	(description="End date of this product")
StringParameter	aorLabel	(description="AOR Label as entered in HSpot")
StringParameter	aot	(description="AOT Identifier")
StringParameter	author	(description="Author of the Data")
StringParameter	cusMode	(description="null")
	dec	(description="Actual Declination of pointing")

DoubleParameter	
DoubleParameter	decNominal (description="Requested Declination of pointing")
DoubleParameter	equinox (description="Equinox of celestial coordinate system")
StringParameter	instMode (description="null")
StringParameter	fileName (description="file name for export")
StringParameter	missionConfig (description="Mission configuration")
StringParameter	naifId (description="SSO NAIF identifier")
StringParameter	object (description="Target name")
StringParameter	observer (description="Observer name")
LongParameter	obsid (description="null")
StringParameter	obsMode (description="null")
LongParameter	odNumber (description="null")
StringParameter	pointingMode (description="Pointing mode")
DoubleParameter	posAngle (description="Position Angle of pointing")
StringParameter	proposal (description="Proposal name")
DoubleParameter	ra (description="Actual Right Ascension of pointing")
StringParameter	raDeSys (description="Coordinate reference frame for the RA and DEC")
DoubleParameter	raNominal (description="Requested Right Ascension of pointing")
StringParameter	telescope (description="Name of telescope")
StringParameter	subsystem (description="Instrument subsystem")
LongParameter	bbid (description="Building Block Identifier")
StringParameter	source (description="TM source packet name")
StringParameter	elecSide (description="Electronic side")
StringParameter	bbTypeName (description="Building block type name")
<i>table dataset</i>	(description="Signal timelines")

<i>Metadata</i>	
<i>DoubleId</i>	sampleTime (description="Sample time", quantity="TAI")
<i>IntId</i>	PSWR1 (description="PHOTOFF001", quantity="")
<i>IntId</i>	PSWD16 (description="PHOTOFF002", quantity="")
<i>IntId</i>	PSWT1 (description="PHOTOFF003", quantity="")
<i>IntId</i>	PSWB16 (description="PHOTOFF004", quantity="")
<i>IntId</i>	PSWC15 (description="PHOTOFF005", quantity="")
<i>IntId</i>	PSWA15 (description="PHOTOFF006", quantity="")
<i>IntId</i>	PSWD15 (description="PHOTOFF007", quantity="")
<i>IntId</i>	PSWB15 (description="PHOTOFF008", quantity="")
<i>IntId</i>	PSWC14 (description="PHOTOFF009", quantity="")
<i>IntId</i>	PSWD14 (description="PHOTOFF010", quantity="")
<i>IntId</i>	PSWA14 (description="PHOTOFF011", quantity="")
<i>IntId</i>	PSWA13 (description="PHOTOFF012", quantity="")
<i>IntId</i>	PSWB14 (description="PHOTOFF013", quantity="")
<i>IntId</i>	PSWC13 (description="PHOTOFF014", quantity="")
<i>IntId</i>	PSWB13 (description="PHOTOFF015", quantity="")
<i>IntId</i>	PSWD13 (description="PHOTOFF016", quantity="")
<i>IntId</i>	PSWA12 (description="PHOTOFF017", quantity="")
<i>IntId</i>	PSWC12 (description="PHOTOFF018", quantity="")
<i>IntId</i>	PSWD12 (description="PHOTOFF019", quantity="")
<i>IntId</i>	PSWB12 (description="PHOTOFF020", quantity="")
<i>IntId</i>	PSWE11 (description="PHOTOFF021", quantity="")
<i>IntId</i>	PSWA11 (description="PHOTOFF022", quantity="")
<i>IntId</i>	PSWC11 (description="PHOTOFF023", quantity="")
<i>IntId</i>	PSWB11 (description="PHOTOFF024", quantity="")
<i>IntId</i>	PSWE1 (description="PHOTOFF025", quantity="")
<i>IntId</i>	PSWF1 (description="PHOTOFF026", quantity="")
<i>IntId</i>	PSWT2 (description="PHOTOFF027", quantity="")
<i>IntId</i>	PSWH1 (description="PHOTOFF028", quantity="")
<i>IntId</i>	PSWG1 (description="PHOTOFF029", quantity="")
<i>IntId</i>	PSWJ1 (description="PHOTOFF030", quantity="")
<i>IntId</i>	PSWH2 (description="PHOTOFF031", quantity="")
<i>IntId</i>	PSWF2 (description="PHOTOFF032", quantity="")
<i>IntId</i>	PSWJ2 (description="PHOTOFF033", quantity="")
<i>IntId</i>	PSWG2 (description="PHOTOFF034", quantity="")
<i>IntId</i>	PSWH3 (description="PHOTOFF035", quantity="")
<i>IntId</i>	PSWJ3 (description="PHOTOFF036", quantity="")
<i>IntId</i>	PSWE2 (description="PHOTOFF037", quantity="")
<i>IntId</i>	PSWF3 (description="PHOTOFF038", quantity="")
<i>IntId</i>	PSWG3 (description="PHOTOFF039", quantity="")
<i>IntId</i>	PSWH4 (description="PHOTOFF040", quantity="")

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<i>Int1d</i>	PSWJ4 (description="PHOTOFF041", quantity="")
<i>Int1d</i>	PSWE3 (description="PHOTOFF042", quantity="")
<i>Int1d</i>	PSWF4 (description="PHOTOFF043", quantity="")
<i>Int1d</i>	PSWG4 (description="PHOTOFF044", quantity="")
<i>Int1d</i>	PSWH5 (description="PHOTOFF045", quantity="")
<i>Int1d</i>	PSWE4 (description="PHOTOFF046", quantity="")
<i>Int1d</i>	PSWJ5 (description="PHOTOFF047", quantity="")
<i>Int1d</i>	PSWF5 (description="PHOTOFF048", quantity="")
<i>Int1d</i>	PSWD6 (description="PHOTOFF049", quantity="")
<i>Int1d</i>	PSWB6 (description="PHOTOFF050", quantity="")
<i>Int1d</i>	PSWC5 (description="PHOTOFF051", quantity="")
<i>Int1d</i>	PSWA5 (description="PHOTOFF052", quantity="")
<i>Int1d</i>	PSWE5 (description="PHOTOFF053", quantity="")
<i>Int1d</i>	PSWB5 (description="PHOTOFF054", quantity="")
<i>Int1d</i>	PSWD5 (description="PHOTOFF055", quantity="")
<i>Int1d</i>	PSWC4 (description="PHOTOFF056", quantity="")
<i>Int1d</i>	PSWA4 (description="PHOTOFF057", quantity="")
<i>Int1d</i>	PSWD4 (description="PHOTOFF058", quantity="")
<i>Int1d</i>	PSWB4 (description="PHOTOFF059", quantity="")
<i>Int1d</i>	PSWC3 (description="PHOTOFF060", quantity="")
<i>Int1d</i>	PSWB3 (description="PHOTOFF061", quantity="")
<i>Int1d</i>	PSWA3 (description="PHOTOFF062", quantity="")
<i>Int1d</i>	PSWA2 (description="PHOTOFF063", quantity="")
<i>Int1d</i>	PSWD3 (description="PHOTOFF064", quantity="")
<i>Int1d</i>	PSWC2 (description="PHOTOFF065", quantity="")
<i>Int1d</i>	PSWB2 (description="PHOTOFF066", quantity="")
<i>Int1d</i>	PSWD2 (description="PHOTOFF067", quantity="")
<i>Int1d</i>	PSWA1 (description="PHOTOFF068", quantity="")
<i>Int1d</i>	PSWC1 (description="PHOTOFF069", quantity="")
<i>Int1d</i>	PSWB1 (description="PHOTOFF070", quantity="")
<i>Int1d</i>	PSWDP1 (description="PHOTOFF071", quantity="")
<i>Int1d</i>	PSWD1 (description="PHOTOFF072", quantity="")
<i>Int1d</i>	PSWF12 (description="PHOTOFF073", quantity="")
<i>Int1d</i>	PSWJ11 (description="PHOTOFF074", quantity="")
<i>Int1d</i>	PSWE12 (description="PHOTOFF075", quantity="")
<i>Int1d</i>	PSWH12 (description="PHOTOFF076", quantity="")
<i>Int1d</i>	PSWG12 (description="PHOTOFF077", quantity="")
<i>Int1d</i>	PSWF13 (description="PHOTOFF078", quantity="")
<i>Int1d</i>	PSWE13 (description="PHOTOFF079", quantity="")
<i>Int1d</i>	PSWJ12 (description="PHOTOFF080", quantity="")
<i>Int1d</i>	PSWH13 (description="PHOTOFF081", quantity="")
<i>Int1d</i>	PSWG13 (description="PHOTOFF082", quantity="")

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<i>Int1d</i>	PSWF14 (description="PHOTOFF083", quantity="")
<i>Int1d</i>	PSWE14 (description="PHOTOFF084", quantity="")
<i>Int1d</i>	PSWJ13 (description="PHOTOFF085", quantity="")
<i>Int1d</i>	PSWH14 (description="PHOTOFF086", quantity="")
<i>Int1d</i>	PSWG14 (description="PHOTOFF087", quantity="")
<i>Int1d</i>	PSWJ14 (description="PHOTOFF088", quantity="")
<i>Int1d</i>	PSWF15 (description="PHOTOFF089", quantity="")
<i>Int1d</i>	PSWH15 (description="PHOTOFF090", quantity="")
<i>Int1d</i>	PSWJ15 (description="PHOTOFF091", quantity="")
<i>Int1d</i>	PSWG15 (description="PHOTOFF092", quantity="")
<i>Int1d</i>	PSWH16 (description="PHOTOFF093", quantity="")
<i>Int1d</i>	PSWDP2 (description="PHOTOFF094", quantity="")
<i>Int1d</i>	PSWF16 (description="PHOTOFF095", quantity="")
<i>Int1d</i>	PSWE15 (description="PHOTOFF096", quantity="")
<i>Int1d</i>	PSWD11 (description="PHOTOFF097", quantity="")
<i>Int1d</i>	PSWA10 (description="PHOTOFF098", quantity="")
<i>Int1d</i>	PSWE10 (description="PHOTOFF099", quantity="")
<i>Int1d</i>	PSWC10 (description="PHOTOFF100", quantity="")
<i>Int1d</i>	PSWB10 (description="PHOTOFF101", quantity="")
<i>Int1d</i>	PSWD10 (description="PHOTOFF102", quantity="")
<i>Int1d</i>	PSWA9 (description="PHOTOFF103", quantity="")
<i>Int1d</i>	PSWE9 (description="PHOTOFF104", quantity="")
<i>Int1d</i>	PSWC9 (description="PHOTOFF105", quantity="")
<i>Int1d</i>	PSWB9 (description="PHOTOFF106", quantity="")
<i>Int1d</i>	PSWD9 (description="PHOTOFF107", quantity="")
<i>Int1d</i>	PSWA8 (description="PHOTOFF108", quantity="")
<i>Int1d</i>	PSWC8 (description="PHOTOFF109", quantity="")
<i>Int1d</i>	PSWE8 (description="PHOTOFF110", quantity="")
<i>Int1d</i>	PSWD8 (description="PHOTOFF111", quantity="")
<i>Int1d</i>	PSWB8 (description="PHOTOFF112", quantity="")
<i>Int1d</i>	PSWC7 (description="PHOTOFF113", quantity="")
<i>Int1d</i>	PSWE7 (description="PHOTOFF114", quantity="")
<i>Int1d</i>	PSWA7 (description="PHOTOFF115", quantity="")
<i>Int1d</i>	PSWD7 (description="PHOTOFF116", quantity="")
<i>Int1d</i>	PSWB7 (description="PHOTOFF117", quantity="")
<i>Int1d</i>	PSWC6 (description="PHOTOFF118", quantity="")
<i>Int1d</i>	PSWE6 (description="PHOTOFF119", quantity="")
<i>Int1d</i>	PSWA6 (description="PHOTOFF120", quantity="")
<i>Int1d</i>	PSWG5 (description="PHOTOFF121", quantity="")
<i>Int1d</i>	PSWH6 (description="PHOTOFF122", quantity="")
<i>Int1d</i>	PSWJ6 (description="PHOTOFF123", quantity="")
<i>Int1d</i>	PSWF6 (description="PHOTOFF124", quantity="")

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<i>Int1d</i>	PSWG6 (description="PHOTOFF125", quantity="")
<i>Int1d</i>	PSWH7 (description="PHOTOFF126", quantity="")
<i>Int1d</i>	PSWF7 (description="PHOTOFF127", quantity="")
<i>Int1d</i>	PSWJ7 (description="PHOTOFF128", quantity="")
<i>Int1d</i>	PSWG7 (description="PHOTOFF129", quantity="")
<i>Int1d</i>	PSWH8 (description="PHOTOFF130", quantity="")
<i>Int1d</i>	PSWF8 (description="PHOTOFF131", quantity="")
<i>Int1d</i>	PSWG8 (description="PHOTOFF132", quantity="")
<i>Int1d</i>	PSWJ8 (description="PHOTOFF133", quantity="")
<i>Int1d</i>	PSWF9 (description="PHOTOFF134", quantity="")
<i>Int1d</i>	PSWH9 (description="PHOTOFF135", quantity="")
<i>Int1d</i>	PSWG9 (description="PHOTOFF136", quantity="")
<i>Int1d</i>	PSWJ9 (description="PHOTOFF137", quantity="")
<i>Int1d</i>	PSWF10 (description="PHOTOFF138", quantity="")
<i>Int1d</i>	PSWH10 (description="PHOTOFF139", quantity="")
<i>Int1d</i>	PSWG10 (description="PHOTOFF140", quantity="")
<i>Int1d</i>	PSWF11 (description="PHOTOFF141", quantity="")
<i>Int1d</i>	PSWJ10 (description="PHOTOFF142", quantity="")
<i>Int1d</i>	PSWH11 (description="PHOTOFF143", quantity="")
<i>Int1d</i>	PSWG11 (description="PHOTOFF144", quantity="")
<i>Int1d</i>	PLWR1 (description="PHOTOFF145", quantity="")
<i>Int1d</i>	PLWA8 (description="PHOTOFF146", quantity="")
<i>Int1d</i>	PLWA7 (description="PHOTOFF147", quantity="")
<i>Int1d</i>	PLWA6 (description="PHOTOFF148", quantity="")
<i>Int1d</i>	PLWA9 (description="PHOTOFF149", quantity="")
<i>Int1d</i>	PLWC9 (description="PHOTOFF150", quantity="")
<i>Int1d</i>	PLWB8 (description="PHOTOFF151", quantity="")
<i>Int1d</i>	PLWB7 (description="PHOTOFF152", quantity="")
<i>Int1d</i>	PLWC7 (description="PHOTOFF153", quantity="")
<i>Int1d</i>	PLWB5 (description="PHOTOFF154", quantity="")
<i>Int1d</i>	PLWB6 (description="PHOTOFF155", quantity="")
<i>Int1d</i>	PLWA5 (description="PHOTOFF156", quantity="")
<i>Int1d</i>	PLWT1 (description="PHOTOFF157", quantity="")
<i>Int1d</i>	PLWB4 (description="PHOTOFF158", quantity="")
<i>Int1d</i>	PLWC4 (description="PHOTOFF159", quantity="")
<i>Int1d</i>	PLWB3 (description="PHOTOFF160", quantity="")
<i>Int1d</i>	PLWC2 (description="PHOTOFF161", quantity="")
<i>Int1d</i>	PLWB2 (description="PHOTOFF162", quantity="")
<i>Int1d</i>	PLWB1 (description="PHOTOFF163", quantity="")
<i>Int1d</i>	PLWA3 (description="PHOTOFF164", quantity="")
<i>Int1d</i>	PLWA4 (description="PHOTOFF165", quantity="")
<i>Int1d</i>	PLWA1 (description="PHOTOFF166", quantity="")

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<i>Int1d</i>	PLWDP1 (description="PHOTOFF167", quantity="")
<i>Int1d</i>	PLWA2 (description="PHOTOFF168", quantity="")
<i>Int1d</i>	PLWE1 (description="PHOTOFF169", quantity="")
<i>Int1d</i>	PLWE2 (description="PHOTOFF170", quantity="")
<i>Int1d</i>	PLWE3 (description="PHOTOFF171", quantity="")
<i>Int1d</i>	PLWE4 (description="PHOTOFF172", quantity="")
<i>Int1d</i>	PLWD1 (description="PHOTOFF173", quantity="")
<i>Int1d</i>	PLWD2 (description="PHOTOFF174", quantity="")
<i>Int1d</i>	PLWD3 (description="PHOTOFF175", quantity="")
<i>Int1d</i>	PLWD4 (description="PHOTOFF176", quantity="")
<i>Int1d</i>	PLWC1 (description="PHOTOFF177", quantity="")
<i>Int1d</i>	PLWC3 (description="PHOTOFF178", quantity="")
<i>Int1d</i>	PLWC5 (description="PHOTOFF179", quantity="")
<i>Int1d</i>	PLWT2 (description="PHOTOFF180", quantity="")
<i>Int1d</i>	PLWE5 (description="PHOTOFF181", quantity="")
<i>Int1d</i>	PLWC6 (description="PHOTOFF182", quantity="")
<i>Int1d</i>	PLWC8 (description="PHOTOFF183", quantity="")
<i>Int1d</i>	PLWD5 (description="PHOTOFF184", quantity="")
<i>Int1d</i>	PLWD6 (description="PHOTOFF185", quantity="")
<i>Int1d</i>	PLWD7 (description="PHOTOFF186", quantity="")
<i>Int1d</i>	PLWD8 (description="PHOTOFF187", quantity="")
<i>Int1d</i>	PLWE7 (description="PHOTOFF188", quantity="")
<i>Int1d</i>	PLWE6 (description="PHOTOFF189", quantity="")
<i>Int1d</i>	PLWE8 (description="PHOTOFF190", quantity="")
<i>Int1d</i>	PLWDP2 (description="PHOTOFF191", quantity="")
<i>Int1d</i>	PLWE9 (description="PHOTOFF192", quantity="")
<i>Int1d</i>	PMWA13 (description="PHOTOFF193", quantity="")
<i>Int1d</i>	PMWT1 (description="PHOTOFF194", quantity="")
<i>Int1d</i>	PMWB12 (description="PHOTOFF195", quantity="")
<i>Int1d</i>	PMWC13 (description="PHOTOFF196", quantity="")
<i>Int1d</i>	PMWA12 (description="PHOTOFF197", quantity="")
<i>Int1d</i>	PMWD12 (description="PHOTOFF198", quantity="")
<i>Int1d</i>	PMWC12 (description="PHOTOFF199", quantity="")
<i>Int1d</i>	PMWB11 (description="PHOTOFF200", quantity="")
<i>Int1d</i>	PMWA11 (description="PHOTOFF201", quantity="")
<i>Int1d</i>	PMWE13 (description="PHOTOFF202", quantity="")
<i>Int1d</i>	PMWD11 (description="PHOTOFF203", quantity="")
<i>Int1d</i>	PMWC11 (description="PHOTOFF204", quantity="")
<i>Int1d</i>	PMWB10 (description="PHOTOFF205", quantity="")
<i>Int1d</i>	PMWA10 (description="PHOTOFF206", quantity="")
<i>Int1d</i>	PMWD10 (description="PHOTOFF207", quantity="")
<i>Int1d</i>	PMWB9 (description="PHOTOFF208", quantity="")

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<i>IntId</i>	PMWC10 (description="PHOTOFF209", quantity="")
<i>IntId</i>	PMWC9 (description="PHOTOFF210", quantity="")
<i>IntId</i>	PMWA9 (description="PHOTOFF211", quantity="")
<i>IntId</i>	PMWB8 (description="PHOTOFF212", quantity="")
<i>IntId</i>	PMWA8 (description="PHOTOFF213", quantity="")
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<i>IntId</i>	PMWF5 (description="PHOTOFF235", quantity="")
<i>IntId</i>	PMWG5 (description="PHOTOFF236", quantity="")
<i>IntId</i>	PMWE6 (description="PHOTOFF237", quantity="")
<i>IntId</i>	PMWG6 (description="PHOTOFF238", quantity="")
<i>IntId</i>	PMWF6 (description="PHOTOFF239", quantity="")
<i>IntId</i>	PMWG7 (description="PHOTOFF240", quantity="")
<i>IntId</i>	PMWF10 (description="PHOTOFF241", quantity="")
<i>IntId</i>	PMWE11 (description="PHOTOFF242", quantity="")
<i>IntId</i>	PMWG11 (description="PHOTOFF243", quantity="")
<i>IntId</i>	PMWF11 (description="PHOTOFF244", quantity="")
<i>IntId</i>	PMWE12 (description="PHOTOFF245", quantity="")
<i>IntId</i>	PMWG12 (description="PHOTOFF246", quantity="")
<i>IntId</i>	PMWF12 (description="PHOTOFF247", quantity="")
<i>IntId</i>	PMWG13 (description="PHOTOFF248", quantity="")
<i>IntId</i>	PMWDP2 (description="PHOTOFF249", quantity="")
<i>IntId</i>	PMWE7 (description="PHOTOFF250", quantity="")

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<i>IntId</i>	PMWD7 (description="PHOTOFF251", quantity="")
<i>IntId</i>	PMWF7 (description="PHOTOFF252", quantity="")
<i>IntId</i>	PMWE8 (description="PHOTOFF253", quantity="")
<i>IntId</i>	PMWG8 (description="PHOTOFF254", quantity="")
<i>IntId</i>	PMWF8 (description="PHOTOFF255", quantity="")
<i>IntId</i>	PMWE9 (description="PHOTOFF256", quantity="")
<i>IntId</i>	PMWG9 (description="PHOTOFF257", quantity="")
<i>IntId</i>	PMWD9 (description="PHOTOFF258", quantity="")
<i>IntId</i>	PMWF9 (description="PHOTOFF259", quantity="")
<i>IntId</i>	PMWE10 (description="PHOTOFF260", quantity="")
<i>IntId</i>	PMWG10 (description="PHOTOFF261", quantity="")
<i>IntId</i>	PMWC4 (description="PHOTOFF262", quantity="")
<i>IntId</i>	PMWB3 (description="PHOTOFF263", quantity="")
<i>IntId</i>	PMWC3 (description="PHOTOFF264", quantity="")
<i>IntId</i>	PMWB2 (description="PHOTOFF265", quantity="")
<i>IntId</i>	PMWD2 (description="PHOTOFF266", quantity="")
<i>IntId</i>	PMWA3 (description="PHOTOFF267", quantity="")
<i>IntId</i>	PMWA2 (description="PHOTOFF268", quantity="")
<i>IntId</i>	PMWC2 (description="PHOTOFF269", quantity="")
<i>IntId</i>	PMWB1 (description="PHOTOFF270", quantity="")
<i>IntId</i>	PMWA1 (description="PHOTOFF271", quantity="")
<i>IntId</i>	PMWDP1 (description="PHOTOFF272", quantity="")
<i>IntId</i>	PMWC1 (description="PHOTOFF273", quantity="")
<i>IntId</i>	PMWA7 (description="PHOTOFF274", quantity="")
<i>IntId</i>	PMWA6 (description="PHOTOFF275", quantity="")
<i>IntId</i>	PMWB6 (description="PHOTOFF276", quantity="")
<i>IntId</i>	PMWC7 (description="PHOTOFF277", quantity="")
<i>IntId</i>	PMWA5 (description="PHOTOFF278", quantity="")
<i>IntId</i>	PMWB5 (description="PHOTOFF279", quantity="")
<i>IntId</i>	PMWC6 (description="PHOTOFF280", quantity="")
<i>IntId</i>	PMWD6 (description="PHOTOFF281", quantity="")
<i>IntId</i>	PMWB4 (description="PHOTOFF282", quantity="")
<i>IntId</i>	PMWC5 (description="PHOTOFF283", quantity="")
<i>IntId</i>	PMWD4 (description="PHOTOFF284", quantity="")
<i>IntId</i>	PMWA4 (description="PHOTOFF285", quantity="")
<i>IntId</i>	PTCP1 (description="PHOTOFF286", quantity="")
<i>IntId</i>	PTCP2 (description="PHOTOFF287", quantity="")
<i>IntId</i>	PTCP3 (description="PHOTOFF288", quantity="")
<i>IntId</i>	adcFlags (description="PHOTOFFADCFLGS", quantity="")
<i>composite</i>	(description="History of product")
<i>Metadata</i>	

LongParameter	id (description="Unique ID")
table dataset	(description="History as Jython script")
Metadata	
StringParameter	outvar (description="last output variable")
StringId	Lines (description="script lines", quantity="none")
table dataset	(description="History of tasks")
Metadata	
LongId	ID (description="Links the parameter and task table", quantity="none")
StringId	Name (description="The name of the task", quantity="none")
LongId	ExecDate (description="Time of execution (FINETIME)", quantity="none")
BoolId	Succeeded (description="Flag for success/failed", quantity="none")
LongId	HistoryId (description="Id of current history", quantity="none")
table dataset	(description="The parameters belonging to the task history")
Metadata	
LongId	TaskID (description="Links the parameter and task table", quantity="none")
StringId	Name (description="The name of the parameter", quantity="none")
StringId	Type (description="Type of parameter", quantity="none")
StringId	Value (description="String representation of the parameter value", quantity="none")
BoolId	IsDefault (description="True if the default value has been used", quantity="none")
LongId	IncHistoryId (description="ID of the history of an included product", quantity="none")
IntId	IncNumTask (description="Number of tasks to include from history", quantity="none")
LongId	HistoryId (description="Id of current history", quantity="none")
BoolId	UserInput (description="Needs user input", quantity="none")

5.2.4. SOT: Spectrometer Offset Timeline

<i>product (type="SOT", description="Spectrometer Offset Timeline")</i>	
Metadata	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	aorLabel (description="AOR Label as entered in HSpot")

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StringParameter	aot (description="AOT Identifier")
StringParameter	author (description="Author of the Data")
StringParameter	cusMode (description="CUS observation mode")
DoubleParameter	dec (description="Actual Declination of pointing")
DoubleParameter	decNominal (description="Requested Declination of pointing")
DoubleParameter	equinox (description="Equinox of celestial coordinate system")
StringParameter	instMode (description="Instrument mode")
StringParameter	fileName (description="file name for export")
StringParameter	missionConfig (description="Mission configuration")
StringParameter	naifId (description="SSO NAIF identifier")
StringParameter	object (description="Target name")
StringParameter	observer (description="Observer name")
LongParameter	obsid (description="Observation identifier")
StringParameter	obsMode (description="Observing mode")
LongParameter	odNumber (description="Operational day number")
StringParameter	pointingMode (description="Pointing mode")
DoubleParameter	posAngle (description="Position Angle of pointing")
StringParameter	proposal (description="Proposal name")
DoubleParameter	ra (description="Actual Right Ascension of pointing")
StringParameter	raDeSys (description="Coordinate reference frame for the RA and DEC")
DoubleParameter	raNominal (description="Requested Right Ascension of pointing")
StringParameter	telescope (description="Name of telescope")
StringParameter	subsystem (description="Instrument subsystem")
LongParameter	bbid (description="Building Block Identifier")
StringParameter	source (description="TM source packet name")
StringParameter	bbTypeName (description="Building block type name")
<i>table dataset</i>	(description="Signal timelines")
<i>Metadata</i>	
<i>DoubleId</i>	sampleTime (description="SpireDataFrame time", quantity="s")
<i>IntId</i>	SSWR1 (description="SPECOFF001", quantity="")
<i>IntId</i>	SSWA4 (description="SPECOFF002", quantity="")
<i>IntId</i>	SSWA3 (description="SPECOFF003", quantity="")
<i>IntId</i>	SSWA2 (description="SPECOFF004", quantity="")
<i>IntId</i>	SSWA1 (description="SPECOFF005", quantity="")
<i>IntId</i>	SSWDP1 (description="SPECOFF006", quantity="")
<i>IntId</i>	SSWB3 (description="SPECOFF007", quantity="")
<i>IntId</i>	SSWB2 (description="SPECOFF008", quantity="")
<i>IntId</i>	SSWB1 (description="SPECOFF009", quantity="")
<i>IntId</i>	SSWC3 (description="SPECOFF010", quantity="")
<i>IntId</i>	SSWC2 (description="SPECOFF011", quantity="")
<i>IntId</i>	SSWC1 (description="SPECOFF012", quantity="")

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<i>IntId</i>	SSWD3 (description="SPECOFF013", quantity="")
<i>IntId</i>	SSWD2 (description="SPECOFF014", quantity="")
<i>IntId</i>	SSWD1 (description="SPECOFF015", quantity="")
<i>IntId</i>	SSWE3 (description="SPECOFF016", quantity="")
<i>IntId</i>	SSWE2 (description="SPECOFF017", quantity="")
<i>IntId</i>	SSWE1 (description="SPECOFF018", quantity="")
<i>IntId</i>	SSWF3 (description="SPECOFF019", quantity="")
<i>IntId</i>	SSWF2 (description="SPECOFF020", quantity="")
<i>IntId</i>	SSWF1 (description="SPECOFF021", quantity="")
<i>IntId</i>	SSWG1 (description="SPECOFF022", quantity="")
<i>IntId</i>	SSWT1 (description="SPECOFF023", quantity="")
<i>IntId</i>	SSWG2 (description="SPECOFF024", quantity="")
<i>IntId</i>	SSWE5 (description="SPECOFF025", quantity="")
<i>IntId</i>	SSWE4 (description="SPECOFF026", quantity="")
<i>IntId</i>	SSWD7 (description="SPECOFF027", quantity="")
<i>IntId</i>	SSWD6 (description="SPECOFF028", quantity="")
<i>IntId</i>	SSWD5 (description="SPECOFF029", quantity="")
<i>IntId</i>	SSWD4 (description="SPECOFF030", quantity="")
<i>IntId</i>	SSWC6 (description="SPECOFF031", quantity="")
<i>IntId</i>	SSWC5 (description="SPECOFF032", quantity="")
<i>IntId</i>	SSWC4 (description="SPECOFF033", quantity="")
<i>IntId</i>	SSWB5 (description="SPECOFF034", quantity="")
<i>IntId</i>	SSWB4 (description="SPECOFF035", quantity="")
<i>IntId</i>	SSWT2 (description="SPECOFF036", quantity="")
<i>IntId</i>	SSWG3 (description="SPECOFF037", quantity="")
<i>IntId</i>	SSWG4 (description="SPECOFF038", quantity="")
<i>IntId</i>	SSWDP2 (description="SPECOFF039", quantity="")
<i>IntId</i>	SSWF5 (description="SPECOFF040", quantity="")
<i>IntId</i>	SSWF4 (description="SPECOFF041", quantity="")
<i>IntId</i>	SSWE6 (description="SPECOFF042", quantity="")
<i>IntId</i>	SSWN1 (description="SPECOFF043", quantity="")
<i>IntId</i>	SSWN2 (description="SPECOFF044", quantity="")
<i>IntId</i>	SSWN3 (description="SPECOFF045", quantity="")
<i>IntId</i>	SSWN4 (description="SPECOFF046", quantity="")
<i>IntId</i>	SSWN5 (description="SPECOFF047", quantity="")
<i>IntId</i>	SSWN6 (description="SPECOFF048", quantity="")
<i>IntId</i>	SLWR1 (description="SPECOFF049", quantity="")
<i>IntId</i>	SLWT1 (description="SPECOFF050", quantity="")
<i>IntId</i>	SLWC1 (description="SPECOFF051", quantity="")
<i>IntId</i>	SLWDP1 (description="SPECOFF052", quantity="")
<i>IntId</i>	SLWB1 (description="SPECOFF053", quantity="")
<i>IntId</i>	SLWD1 (description="SPECOFF054", quantity="")

<i>Int1d</i>	SLWE1 (description="SPECOFF055", quantity="")
<i>Int1d</i>	SLWA1 (description="SPECOFF056", quantity="")
<i>Int1d</i>	SLWC2 (description="SPECOFF057", quantity="")
<i>Int1d</i>	SLWD2 (description="SPECOFF058", quantity="")
<i>Int1d</i>	SLWB2 (description="SPECOFF059", quantity="")
<i>Int1d</i>	SLWE2 (description="SPECOFF060", quantity="")
<i>Int1d</i>	SLWA2 (description="SPECOFF061", quantity="")
<i>Int1d</i>	SLWC3 (description="SPECOFF062", quantity="")
<i>Int1d</i>	SLWD3 (description="SPECOFF063", quantity="")
<i>Int1d</i>	SLWB3 (description="SPECOFF064", quantity="")
<i>Int1d</i>	SLWE3 (description="SPECOFF065", quantity="")
<i>Int1d</i>	SLWC4 (description="SPECOFF066", quantity="")
<i>Int1d</i>	SLWDP2 (description="SPECOFF067", quantity="")
<i>Int1d</i>	SLWD4 (description="SPECOFF068", quantity="")
<i>Int1d</i>	SLWC5 (description="SPECOFF069", quantity="")
<i>Int1d</i>	SLWB4 (description="SPECOFF070", quantity="")
<i>Int1d</i>	SLWA3 (description="SPECOFF071", quantity="")
<i>Int1d</i>	SLWT2 (description="SPECOFF072", quantity="")
<i>Int1d</i>	adcFlags (description="SPECOFFADCFLGS", quantity="")
<i>table dataset</i>	(description="Mask timelines")
<i>Metadata</i>	
<i>Double1d</i>	sampleTime (description="SpireDataFrame time", quantity="s")
<i>Int1d</i>	SSWR1 (description="SPECOFF001", quantity="")
<i>Int1d</i>	SSWA4 (description="SPECOFF002", quantity="")
<i>Int1d</i>	SSWA3 (description="SPECOFF003", quantity="")
<i>Int1d</i>	SSWA2 (description="SPECOFF004", quantity="")
<i>Int1d</i>	SSWA1 (description="SPECOFF005", quantity="")
<i>Int1d</i>	SSWDP1 (description="SPECOFF006", quantity="")
<i>Int1d</i>	SSWB3 (description="SPECOFF007", quantity="")
<i>Int1d</i>	SSWB2 (description="SPECOFF008", quantity="")
<i>Int1d</i>	SSWB1 (description="SPECOFF009", quantity="")
<i>Int1d</i>	SSWC3 (description="SPECOFF010", quantity="")
<i>Int1d</i>	SSWC2 (description="SPECOFF011", quantity="")
<i>Int1d</i>	SSWC1 (description="SPECOFF012", quantity="")
<i>Int1d</i>	SSWD3 (description="SPECOFF013", quantity="")
<i>Int1d</i>	SSWD2 (description="SPECOFF014", quantity="")
<i>Int1d</i>	SSWD1 (description="SPECOFF015", quantity="")
<i>Int1d</i>	SSWE3 (description="SPECOFF016", quantity="")
<i>Int1d</i>	SSWE2 (description="SPECOFF017", quantity="")
<i>Int1d</i>	SSWE1 (description="SPECOFF018", quantity="")
<i>Int1d</i>	SSWF3 (description="SPECOFF019", quantity="")

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<i>Int1d</i>	SSWF2 (description="SPECOFF020", quantity="")
<i>Int1d</i>	SSWF1 (description="SPECOFF021", quantity="")
<i>Int1d</i>	SSWG1 (description="SPECOFF022", quantity="")
<i>Int1d</i>	SSWT1 (description="SPECOFF023", quantity="")
<i>Int1d</i>	SSWG2 (description="SPECOFF024", quantity="")
<i>Int1d</i>	SSWE5 (description="SPECOFF025", quantity="")
<i>Int1d</i>	SSWE4 (description="SPECOFF026", quantity="")
<i>Int1d</i>	SSWD7 (description="SPECOFF027", quantity="")
<i>Int1d</i>	SSWD6 (description="SPECOFF028", quantity="")
<i>Int1d</i>	SSWD5 (description="SPECOFF029", quantity="")
<i>Int1d</i>	SSWD4 (description="SPECOFF030", quantity="")
<i>Int1d</i>	SSWC6 (description="SPECOFF031", quantity="")
<i>Int1d</i>	SSWC5 (description="SPECOFF032", quantity="")
<i>Int1d</i>	SSWC4 (description="SPECOFF033", quantity="")
<i>Int1d</i>	SSWB5 (description="SPECOFF034", quantity="")
<i>Int1d</i>	SSWB4 (description="SPECOFF035", quantity="")
<i>Int1d</i>	SSWT2 (description="SPECOFF036", quantity="")
<i>Int1d</i>	SSWG3 (description="SPECOFF037", quantity="")
<i>Int1d</i>	SSWG4 (description="SPECOFF038", quantity="")
<i>Int1d</i>	SSWDP2 (description="SPECOFF039", quantity="")
<i>Int1d</i>	SSWF5 (description="SPECOFF040", quantity="")
<i>Int1d</i>	SSWF4 (description="SPECOFF041", quantity="")
<i>Int1d</i>	SSWE6 (description="SPECOFF042", quantity="")
<i>Int1d</i>	SSWN1 (description="SPECOFF043", quantity="")
<i>Int1d</i>	SSWN2 (description="SPECOFF044", quantity="")
<i>Int1d</i>	SSWN3 (description="SPECOFF045", quantity="")
<i>Int1d</i>	SSWN4 (description="SPECOFF046", quantity="")
<i>Int1d</i>	SSWN5 (description="SPECOFF047", quantity="")
<i>Int1d</i>	SSWN6 (description="SPECOFF048", quantity="")
<i>Int1d</i>	SLWR1 (description="SPECOFF049", quantity="")
<i>Int1d</i>	SLWT1 (description="SPECOFF050", quantity="")
<i>Int1d</i>	SLWC1 (description="SPECOFF051", quantity="")
<i>Int1d</i>	SLWDP1 (description="SPECOFF052", quantity="")
<i>Int1d</i>	SLWB1 (description="SPECOFF053", quantity="")
<i>Int1d</i>	SLWD1 (description="SPECOFF054", quantity="")
<i>Int1d</i>	SLWE1 (description="SPECOFF055", quantity="")
<i>Int1d</i>	SLWA1 (description="SPECOFF056", quantity="")
<i>Int1d</i>	SLWC2 (description="SPECOFF057", quantity="")
<i>Int1d</i>	SLWD2 (description="SPECOFF058", quantity="")
<i>Int1d</i>	SLWB2 (description="SPECOFF059", quantity="")
<i>Int1d</i>	SLWE2 (description="SPECOFF060", quantity="")
<i>Int1d</i>	SLWA2 (description="SPECOFF061", quantity="")

	<i>Int1d</i>	SLWC3 (description="SPECOFF062", quantity="")
	<i>Int1d</i>	SLWD3 (description="SPECOFF063", quantity="")
	<i>Int1d</i>	SLWB3 (description="SPECOFF064", quantity="")
	<i>Int1d</i>	SLWE3 (description="SPECOFF065", quantity="")
	<i>Int1d</i>	SLWC4 (description="SPECOFF066", quantity="")
	<i>Int1d</i>	SLWDP2 (description="SPECOFF067", quantity="")
	<i>Int1d</i>	SLWD4 (description="SPECOFF068", quantity="")
	<i>Int1d</i>	SLWC5 (description="SPECOFF069", quantity="")
	<i>Int1d</i>	SLWB4 (description="SPECOFF070", quantity="")
	<i>Int1d</i>	SLWA3 (description="SPECOFF071", quantity="")
	<i>Int1d</i>	SLWT2 (description="SPECOFF072", quantity="")
	<i>Int1d</i>	adcFlags (description="SPECOFFADCFLGS", quantity="")
<i>table dataset</i>	(description="Time quantities")	
<i>Metadata</i>		
	<i>Long1d</i>	sdfTime (description="SpireDataFrame time", quantity="")
	<i>Long1d</i>	packetTime (description="TM packet time", quantity="")
	<i>Long1d</i>	seqCount (description="Sequence count", quantity="")
	<i>Long1d</i>	frameTime (description="SPECOFFFRAMETIME", quantity="")

5.2.5. NHKT: Nominal House Keeping Timeline

<i>product (type="NHKT", description="Nominal House Keeping Timeline")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	aorLabel (description="AOR Label as entered in HSpot")
StringParameter	aot (description="AOT Identifier")
StringParameter	author (description="Author of the Data")
	cusMode (description="null")

StringParameter	
DoubleParameter	dec (description="Actual Declination of pointing")
DoubleParameter	decNominal (description="Requested Declination of pointing")
DoubleParameter	equinox (description="Equinox of celestial coordinate system")
StringParameter	instMode (description="null")
StringParameter	fileName (description="file name for export")
StringParameter	missionConfig (description="Mission configuration")
StringParameter	naifId (description="SSO NAIF identifier")
StringParameter	object (description="Target name")
StringParameter	observer (description="Observer name")
LongParameter	obsid (description="null")
StringParameter	obsMode (description="null")
LongParameter	odNumber (description="null")
StringParameter	pointingMode (description="Pointing mode")
DoubleParameter	posAngle (description="Position Angle of pointing")
StringParameter	proposal (description="Proposal name")
DoubleParameter	ra (description="Actual Right Ascension of pointing")
StringParameter	raDeSys (description="Coordinate reference frame for the RA and DEC")
DoubleParameter	raNominal (description="Requested Right Ascension of pointing")
StringParameter	telescope (description="Name of telescope")
StringParameter	subsystem (description="Instrument subsystem")
LongParameter	bbid (description="Building Block Identifier")
StringParameter	source (description="TM source packet name")
StringParameter	elecSide (description="Electronic side")
StringParameter	bbTypeName (description="Building block type name")

<i>table dataset</i>	(description="Signal timelines")
<i>Metadata</i>	
<i>Double1d</i>	sampleTime (description="Sample time", quantity="TAI")
<i>String1d</i>	NHK_VERS (description="NHK_VERS", quantity="")
<i>String1d</i>	NHK_TYPE (description="NHK_TYPE", quantity="")
<i>String1d</i>	NHK_DFHFLAG (description="NHK_DFHFLAG", quantity="")
<i>Short1d</i>	NHK_APID (description="NHK_APID", quantity="")
<i>String1d</i>	NHK_SEGFLAG (description="NHK_SEGFLAG", quantity="")
<i>Short1d</i>	NHK_SSC (description="NHK_SSC", quantity="")
<i>Int1d</i>	NHK_PKTLEN (description="NHK_PKTLEN", quantity="")
<i>String1d</i>	NHK_PUSVERS (description="NHK_PUSVERS", quantity="")
<i>Short1d</i>	NHK_PKTTYPE (description="NHK_PKTTYPE", quantity="")
<i>Short1d</i>	NHK_PKTSTYPE (description="NHK_PKTSTYPE", quantity="")
<i>Long1d</i>	NHK_PKTCTIME (description="NHK_PKTCTIME", quantity="")
<i>Int1d</i>	NHK_PKTFTIME (description="NHK_PKTFTIME", quantity="")
<i>String1d</i>	BBFULLTYPE (description="BBFULLTYPE", quantity="")
<i>String1d</i>	MODE (description="MODE", quantity="")
<i>Int1d</i>	STEP (description="STEP", quantity="")
<i>String1d</i>	THSK (description="THSK", quantity="")
<i>Long1d</i>	TRESET (description="TRESET", quantity="")
<i>Int1d</i>	TCRECV (description="TCRECV", quantity="")
<i>Int1d</i>	TCRECN (description="TCRECN", quantity="")
<i>Int1d</i>	TCEXEC (description="TCEXEC", quantity="")
<i>Int1d</i>	TCEXEN (description="TCEXEN", quantity="")
<i>Int1d</i>	TM1N (description="TM1N", quantity="")
<i>Int1d</i>	TM2N (description="TM2N", quantity="")
<i>Int1d</i>	TM3N (description="TM3N", quantity="")
<i>Int1d</i>	TM4N (description="TM4N", quantity="")
<i>Int1d</i>	TM5N (description="TM5N", quantity="")
<i>Int1d</i>	DCUFRAMECNT (description="DCUFRAMECNT", quantity="")
<i>Int1d</i>	MCUFRAMECNT (description="MCUFRAMECNT", quantity="")
<i>Int1d</i>	SCUFRAMECNT (description="SCUFRAMECNT", quantity="")
<i>String1d</i>	TSYNC (description="TSYNC", quantity="")
<i>String1d</i>	TDIFF (description="TDIFF", quantity="")
<i>String1d</i>	MEMSTAT_1 (description="MEMSTAT_1", quantity="")
<i>String1d</i>	MEMSTAT_2 (description="MEMSTAT_2", quantity="")
<i>String1d</i>	MEMSTAT_3 (description="MEMSTAT_3", quantity="")
<i>String1d</i>	MONSTAT (description="MONSTAT", quantity="")
<i>String1d</i>	DCULSIFSTAT (description="DCULSIFSTAT", quantity="")
<i>String1d</i>	DCUHSIFMODE (description="DCUHSIFMODE", quantity="")
<i>String1d</i>	MCULSIFSTAT (description="MCULSIFSTAT", quantity="")

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<i>StringId</i>	MCUHSIFMODE (description="MCUHSIFMODE", quantity="")
<i>StringId</i>	SCULSIFSTAT (description="SCULSIFSTAT", quantity="")
<i>StringId</i>	SCUHSMODE (description="SCUHSMODE", quantity="")
<i>IntId</i>	BBCOUNT (description="BBCOUNT", quantity="")
<i>IntId</i>	VMSTAT (description="VMSTAT", quantity="")
<i>IntId</i>	VM1STAT (description="VM1STAT", quantity="")
<i>IntId</i>	VM2STAT (description="VM2STAT", quantity="")
<i>IntId</i>	VM3STAT (description="VM3STAT", quantity="")
<i>IntId</i>	VMSTATAFX (description="VMSTATAFX", quantity="")
<i>IntId</i>	SD_VALUE0 (description="SD_VALUE0", quantity="")
<i>IntId</i>	SD_ADDRESS0 (description="SD_ADDRESS0", quantity="")
<i>IntId</i>	SD_VALUE1 (description="SD_VALUE1", quantity="")
<i>IntId</i>	SD_ADDRESS1 (description="SD_ADDRESS1", quantity="")
<i>IntId</i>	SD_VALUE2 (description="SD_VALUE2", quantity="")
<i>IntId</i>	SD_ADDRESS2 (description="SD_ADDRESS2", quantity="")
<i>IntId</i>	SD_VALUE3 (description="SD_VALUE3", quantity="")
<i>IntId</i>	SD_ADDRESS3 (description="SD_ADDRESS3", quantity="")
<i>DoubleId</i>	DPUP5V (description="DPUP5V", quantity="V")
<i>DoubleId</i>	DPUP15V (description="DPUP15V", quantity="V")
<i>DoubleId</i>	DPUM15V (description="DPUM15V", quantity="V")
<i>DoubleId</i>	DPUTEMP (description="DPUTEMP", quantity="K")
<i>IntId</i>	CPULOAD (description="CPULOAD", quantity="")
<i>LongId</i>	LSLOAD (description="LSLOAD", quantity="")
<i>DoubleId</i>	DPUP2_5V (description="DPUP2_5V", quantity="V")
<i>StringId</i>	DCUDATAMODE (description="DCUDATAMODE", quantity="")
<i>StringId</i>	DCUDATAFRMS (description="DCUDATAFRMS", quantity="")
<i>StringId</i>	DCUDATASTAT (description="DCUDATASTAT", quantity="")
<i>IntId</i>	PHOTBIASDIV (description="PHOTBIASDIV", quantity="")
<i>StringId</i>	PHOTBIASMODE (description="PHOTBIASMODE", quantity="")
<i>IntId</i>	PHOTMCLKDIV (description="PHOTMCLKDIV", quantity="")
<i>DoubleId</i>	PSWBIAS (description="PSWBIAS", quantity="V")
<i>DoubleId</i>	PMWBIAS (description="PMWBIAS", quantity="V")
<i>DoubleId</i>	PLWBIAS (description="PLWBIAS", quantity="V")
<i>DoubleId</i>	TCBIAS (description="TCBIAS", quantity="V")
<i>DoubleId</i>	PSWPHASE (description="PSWPHASE", quantity="degree [0.017453292519943295 rad]")
<i>DoubleId</i>	PMWPHASE (description="PMWPHASE", quantity="degree [0.017453292519943295 rad]")
<i>DoubleId</i>	PLWPHASE (description="PLWPHASE", quantity="degree [0.017453292519943295 rad]")
<i>DoubleId</i>	TCPHASE (description="TCPHASE", quantity="degree [0.017453292519943295 rad]")
<i>IntId</i>	PSWJFETSTAT (description="PSWJFETSTAT", quantity="")

<i>StringId</i>	PSW_VDD_JFET1 (description="PSW_VDD_JFET1", quantity="")
<i>StringId</i>	PSW_VDD_JFET2 (description="PSW_VDD_JFET2", quantity="")
<i>StringId</i>	PSW_VDD_JFET3 (description="PSW_VDD_JFET3", quantity="")
<i>StringId</i>	PSW_VDD_JFET4 (description="PSW_VDD_JFET4", quantity="")
<i>StringId</i>	PSW_VDD_JFET5 (description="PSW_VDD_JFET5", quantity="")
<i>StringId</i>	PSW_VDD_JFET6 (description="PSW_VDD_JFET6", quantity="")
<i>IntId</i>	PMLWJFETSTAT (description="PMLWJFETSTAT", quantity="")
<i>StringId</i>	PMW_VDD_JFET1 (description="PMW_VDD_JFET1", quantity="")
<i>StringId</i>	PMW_VDD_JFET2 (description="PMW_VDD_JFET2", quantity="")
<i>StringId</i>	PMW_VDD_JFET3 (description="PMW_VDD_JFET3", quantity="")
<i>StringId</i>	PMW_VDD_JFET4 (description="PMW_VDD_JFET4", quantity="")
<i>StringId</i>	PLW_VDD_JFET1 (description="PLW_VDD_JFET1", quantity="")
<i>StringId</i>	PLW_VDD_JFET2 (description="PLW_VDD_JFET2", quantity="")
<i>StringId</i>	TC_VDD_JFET (description="TC_VDD_JFET", quantity="")
<i>DoubleId</i>	PSWJFET1V (description="PSWJFET1V", quantity="V")
<i>DoubleId</i>	PSWJFET2V (description="PSWJFET2V", quantity="V")
<i>DoubleId</i>	PSWJFET3V (description="PSWJFET3V", quantity="V")
<i>DoubleId</i>	PSWJFET4V (description="PSWJFET4V", quantity="V")
<i>DoubleId</i>	PSWJFET5V (description="PSWJFET5V", quantity="V")
<i>DoubleId</i>	PSWJFET6V (description="PSWJFET6V", quantity="V")
<i>DoubleId</i>	PMWJFET1V (description="PMWJFET1V", quantity="V")
<i>DoubleId</i>	PMWJFET2V (description="PMWJFET2V", quantity="V")
<i>DoubleId</i>	PMWJFET3V (description="PMWJFET3V", quantity="V")
<i>DoubleId</i>	PMWJFET4V (description="PMWJFET4V", quantity="V")
<i>DoubleId</i>	PLWJFET1V (description="PLWJFET1V", quantity="V")
<i>DoubleId</i>	PLWJFET2V (description="PLWJFET2V", quantity="V")
<i>DoubleId</i>	PHOTHTRV (description="PHOTHTRV", quantity="V")
<i>DoubleId</i>	TCJFETV (description="TCJFETV", quantity="V")
<i>IntId</i>	SPECBIASDIV (description="SPECBIASDIV", quantity="")
<i>StringId</i>	SPECBIASMODE (description="SPECBIASMODE", quantity="")
<i>IntId</i>	SPECMCLKDIV (description="SPECMCLKDIV", quantity="")
<i>DoubleId</i>	SSWBIAS (description="SSWBIAS", quantity="V")
<i>DoubleId</i>	SLWBIAS (description="SLWBIAS", quantity="V")
<i>DoubleId</i>	SSWPHASE (description="SSWPHASE", quantity="degree [0.017453292519943295 rad]")
<i>DoubleId</i>	SLWPHASE (description="SLWPHASE", quantity="degree [0.017453292519943295 rad]")
<i>IntId</i>	SPECJFETSTAT (description="SPECJFETSTAT", quantity="")
<i>StringId</i>	SLW_VDD_JFET1 (description="SLW_VDD_JFET1", quantity="")
<i>StringId</i>	SSW_VDD_JFET1 (description="SSW_VDD_JFET1", quantity="")
<i>StringId</i>	SSW_VDD_JFET2 (description="SSW_VDD_JFET2", quantity="")
<i>DoubleId</i>	SSWJFET1V (description="SSWJFET1V", quantity="V")

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<i>Double1d</i>	SSWJFET2V (description="SSWJFET2V", quantity="V")
<i>Double1d</i>	SLWJFET1V (description="SLWJFET1V", quantity="V")
<i>Double1d</i>	SPECHTRV (description="SPECHTRV", quantity="V")
<i>Double1d</i>	TC1TEMP (description="TC1TEMP", quantity="V")
<i>Double1d</i>	TC2TEMP (description="TC2TEMP", quantity="V")
<i>Double1d</i>	TC3TEMP (description="TC3TEMP", quantity="V")
<i>Double1d</i>	BIASP5V (description="BIASP5V", quantity="V")
<i>Double1d</i>	BIASP9V (description="BIASP9V", quantity="V")
<i>Double1d</i>	BIASM9V (description="BIASM9V", quantity="V")
<i>Int1d</i>	OBSVER (description="OBSVER", quantity="")
<i>Short1d</i>	OBSVER1 (description="OBSVER1", quantity="")
<i>Short1d</i>	OBSVER2 (description="OBSVER2", quantity="")
<i>String1d</i>	OBSVER3 (description="OBSVER3", quantity="")
<i>String1d</i>	TMMODE (description="TMMODE", quantity="")
<i>Int1d</i>	FIFO_DF_FLAG (description="FIFO_DF_FLAG", quantity="")
<i>Double1d</i>	PLIAP5V (description="PLIAP5V", quantity="V")
<i>Double1d</i>	PLIAP9V (description="PLIAP9V", quantity="V")
<i>Double1d</i>	PLIAM9V (description="PLIAM9V", quantity="V")
<i>Double1d</i>	SLIAP5V (description="SLIAP5V", quantity="V")
<i>Double1d</i>	SLIAP9V (description="SLIAP9V", quantity="V")
<i>Double1d</i>	SLIAM9V (description="SLIAM9V", quantity="V")
<i>Double1d</i>	LIAP9TEMP (description="LIAP9TEMP", quantity="K")
<i>Double1d</i>	LIAP8TEMP (description="LIAP8TEMP", quantity="K")
<i>Double1d</i>	LIAP7TEMP (description="LIAP7TEMP", quantity="K")
<i>Double1d</i>	LIAP6TEMP (description="LIAP6TEMP", quantity="K")
<i>Double1d</i>	LIAP5TEMP (description="LIAP5TEMP", quantity="K")
<i>Double1d</i>	LIAP4TEMP (description="LIAP4TEMP", quantity="K")
<i>Double1d</i>	LIAP3TEMP (description="LIAP3TEMP", quantity="K")
<i>Double1d</i>	LIAP2TEMP (description="LIAP2TEMP", quantity="K")
<i>Double1d</i>	LIAP1TEMP (description="LIAP1TEMP", quantity="K")
<i>Double1d</i>	LIAS1TEMP (description="LIAS1TEMP", quantity="K")
<i>Double1d</i>	LIAS2TEMP (description="LIAS2TEMP", quantity="K")
<i>Double1d</i>	LIAS3TEMP (description="LIAS3TEMP", quantity="K")
<i>Double1d</i>	BIASTEMP (description="BIASTEMP", quantity="K")
<i>Double1d</i>	DAQTEMP (description="DAQTEMP", quantity="K")
<i>Int1d</i>	LIASTAT (description="LIASTAT", quantity="")
<i>String1d</i>	LIAP1STAT (description="LIAP1STAT", quantity="")
<i>String1d</i>	LIAP2STAT (description="LIAP2STAT", quantity="")
<i>String1d</i>	LIAP3STAT (description="LIAP3STAT", quantity="")
<i>String1d</i>	LIAP4STAT (description="LIAP4STAT", quantity="")
<i>String1d</i>	LIAP5STAT (description="LIAP5STAT", quantity="")
<i>String1d</i>	LIAP6STAT (description="LIAP6STAT", quantity="")

<i>StringId</i>	LIAP7STAT (description="LIAP7STAT", quantity="")
<i>StringId</i>	LIAP8STAT (description="LIAP8STAT", quantity="")
<i>StringId</i>	LIAP9STAT (description="LIAP9STAT", quantity="")
<i>StringId</i>	LIAS1STAT (description="LIAS1STAT", quantity="")
<i>StringId</i>	LIAS2STAT (description="LIAS2STAT", quantity="")
<i>StringId</i>	LIAS3STAT (description="LIAS3STAT", quantity="")
<i>IntId</i>	MCUIFSTAT (description="MCUIFSTAT", quantity="")
<i>IntId</i>	MCUIFCTRL (description="MCUIFCTRL", quantity="")
<i>IntId</i>	MCUSSDEL (description="MCUSSDEL", quantity="")
<i>DoubleId</i>	MCUP5V (description="MCUP5V", quantity="V")
<i>DoubleId</i>	MCUP14V (description="MCUP14V", quantity="V")
<i>DoubleId</i>	MCUM14V (description="MCUM14V", quantity="V")
<i>DoubleId</i>	MCUP15V (description="MCUP15V", quantity="V")
<i>DoubleId</i>	MCUM15V (description="MCUM15V", quantity="V")
<i>DoubleId</i>	MCUMACTEMP (description="MCUMACTEMP", quantity="K")
<i>DoubleId</i>	MCUSMECTEMP (description="MCUSMECTEMP", quantity="K")
<i>DoubleId</i>	MCUBSMTEMP (description="MCUBSMTEMP", quantity="K")
<i>StringId</i>	MCUERR (description="MCUERR", quantity="")
<i>IntId</i>	MCUSCHEDCNTLSW (description="MCUSCHEDCNTLSW", quantity="")
<i>IntId</i>	MCUSCHEDCNTMSW (description="MCUSCHEDCNTMSW", quantity="")
<i>IntId</i>	MCUTM10TSAMPLE (description="MCUTM10TSAMPLE", quantity="")
<i>StringId</i>	MCUFRAMESTART (description="MCUFRAMESTART", quantity="")
<i>IntId</i>	MCUTM12TSAMPLE (description="MCUTM12TSAMPLE", quantity="")
<i>IntId</i>	MCUFRAMES (description="MCUFRAMES", quantity="")
<i>IntId</i>	MCUTM14TSAMPLE (description="MCUTM14TSAMPLE", quantity="")
<i>IntId</i>	MCUTM15TSAMPLE (description="MCUTM15TSAMPLE", quantity="")
<i>StringId</i>	MCUTMSTATUS (description="MCUTMSTATUS", quantity="")
<i>StringId</i>	MCUBOOTSTAT (description="MCUBOOTSTAT", quantity="")
<i>IntId</i>	MCUDLOADCONF (description="MCUDLOADCONF", quantity="")
<i>IntId</i>	SMECLOSTCOUNT (description="SMECLOSTCOUNT", quantity="")
<i>IntId</i>	SMECENCPWR (description="SMECENCPWR", quantity="")
<i>StringId</i>	SMECLVDTPWR (description="SMECLVDTPWR", quantity="")
<i>StringId</i>	SMECLATCHSTAT (description="SMECLATCHSTAT", quantity="")
<i>StringId</i>	SMECLOOPMODE (description="SMECLOOPMODE", quantity="")
<i>DoubleId</i>	SCANSTART (description="SCANSTART", quantity="cm [0.01 m]")
<i>DoubleId</i>	SCANEND (description="SCANEND", quantity="cm [0.01 m]")
<i>IntId</i>	SCANFSPEED (description="SCANFSPEED", quantity="")
<i>IntId</i>	SCANS (description="SCANS", quantity="")
<i>StringId</i>	SCANMODE (description="SCANMODE", quantity="")
<i>IntId</i>	SMECKP (description="SMECKP", quantity="")

<i>Int1d</i>	SMECKD (description="SMECKD", quantity="")
<i>Int1d</i>	SMECDFILT (description="SMECDFILT", quantity="")
<i>Int1d</i>	SMECKI (description="SMECKI", quantity="")
<i>Int1d</i>	SMECINTLIMIT (description="SMECINTLIMIT", quantity="")
<i>Int1d</i>	SMECINTTHRESH (description="SMECINTTHRESH", quantity="")
<i>Int1d</i>	SMECRATELIMIT (description="SMECRATELIMIT", quantity="")
<i>Int1d</i>	SMECDFILT2 (description="SMECDFILT2", quantity="")
<i>Int1d</i>	SMECFFGAIN (description="SMECFFGAIN", quantity="")
<i>Int1d</i>	SMECFFOFFSET (description="SMECFFOFFSET", quantity="")
<i>Int1d</i>	SCANRSPEED (description="SCANRSPEED", quantity="")
<i>Int1d</i>	SMECBEMFGAIN (description="SMECBEMFGAIN", quantity="")
<i>Int1d</i>	SMECMOTORRES (description="SMECMOTORRES", quantity="")
<i>Int1d</i>	SMECMOTORBEMF (description="SMECMOTORBEMF", quantity="")
<i>Int1d</i>	SMECRATESCALE (description="SMECRATESCALE", quantity="")
<i>Double1d</i>	SMECLVDTOFFSET (description="SMECLVDTOFFSET", quantity="cm [0.01 m]")
<i>Double1d</i>	SMECLVDTSCALE (description="SMECLVDTSCALE", quantity="cm [0.01 m]")
<i>String1d</i>	SMECSTAT (description="SMECSTAT", quantity="")
<i>String1d</i>	SMECFLAG (description="SMECFLAG", quantity="")
<i>String1d</i>	SMECLVDTSIGN (description="SMECLVDTSIGN", quantity="")
<i>String1d</i>	SMECINIT (description="SMECINIT", quantity="")
<i>String1d</i>	SMECSCANDIR (description="SMECSCANDIR", quantity="")
<i>Short1d</i>	SMECSCANCNT (description="SMECSCANCNT", quantity="")
<i>Double1d</i>	SMECENCPOSN (description="SMECENCPOSN", quantity="cm [0.01 m]")
<i>Int1d</i>	SMECENC SIG1 (description="SMECENC SIG1", quantity="")
<i>Int1d</i>	SMECENC SIG2 (description="SMECENC SIG2", quantity="")
<i>Int1d</i>	SMECENC SIG3 (description="SMECENC SIG3", quantity="")
<i>Double1d</i>	SMECLVDTPOSN (description="SMECLVDTPOSN", quantity="cm [0.01 m]")
<i>Int1d</i>	SMECLVDTACSIG (description="SMECLVDTACSIG", quantity="")
<i>Int1d</i>	SMECLVDTDCSIG (description="SMECLVDTDCSIG", quantity="")
<i>Double1d</i>	SMECTRAJPOSN (description="SMECTRAJPOSN", quantity="cm [0.01 m]")
<i>Int1d</i>	SMECDACVAL (description="SMECDACVAL", quantity="")
<i>Double1d</i>	SMECPOSNDELTA (description="SMECPOSNDELTA", quantity="cm [0.01 m]")
<i>Double1d</i>	SMECENC FINEPOSN (description="SMECENC FINEPOSN", quantity="cm [0.01 m]")
<i>Int1d</i>	SMECMEANSPEED (description="SMECMEANSPEED", quantity="")
<i>Double1d</i>	SMECSCANPOSNERR (description="SMECSCANPOSNERR", quantity="cm [0.01 m]")
<i>Double1d</i>	SMECMOTORCURR (description="SMECMOTORCURR", quantity="A")

<i>DoubleId</i>	SMECMOTORVOLT (description="SMECMOTORVOLT", quantity="V")
<i>IntId</i>	SMECENC SIG1AMP (description="SMECENC SIG1AMP", quantity="")
<i>IntId</i>	SMECENC SIG1OFF (description="SMECENC SIG1OFF", quantity="")
<i>IntId</i>	SMECENC SIG2AMP (description="SMECENC SIG2AMP", quantity="")
<i>IntId</i>	SMECENC SIG2OFF (description="SMECENC SIG2OFF", quantity="")
<i>IntId</i>	SMECENC SIG3AMP (description="SMECENC SIG3AMP", quantity="")
<i>IntId</i>	SMECENC SIG3OFF (description="SMECENC SIG3OFF", quantity="")
<i>StringId</i>	CHOPSENSPWR (description="CHOPSENSPWR", quantity="")
<i>StringId</i>	CHOPLOOPMODE (description="CHOPLOOPMODE", quantity="")
<i>IntId</i>	CHOPPOSN (description="CHOPPOSN", quantity="")
<i>IntId</i>	CHOPPOSN2 (description="CHOPPOSN2", quantity="")
<i>StringId</i>	BSMMODE (description="BSMMODE", quantity="")
<i>IntId</i>	CHOPFFOFFSET (description="CHOPFFOFFSET", quantity="")
<i>IntId</i>	CHOPKP (description="CHOPKP", quantity="")
<i>IntId</i>	CHOPKD (description="CHOPKD", quantity="")
<i>IntId</i>	CHOPKI (description="CHOPKI", quantity="")
<i>IntId</i>	CHOPINTREF (description="CHOPINTREF", quantity="")
<i>IntId</i>	CHOPINTLIMIT (description="CHOPINTLIMIT", quantity="")
<i>IntId</i>	CHOPFFGAIN (description="CHOPFFGAIN", quantity="")
<i>IntId</i>	CHOPFFGAINDIFF (description="CHOPFFGAINDIFF", quantity="")
<i>IntId</i>	CHOPDIFFTC1 (description="CHOPDIFFTC1", quantity="")
<i>IntId</i>	CHOPDIFFTC2 (description="CHOPDIFFTC2", quantity="")
<i>IntId</i>	CHOPRATELIMIT (description="CHOPRATELIMIT", quantity="")
<i>IntId</i>	CHOPMOTBEMFGAIN (description="CHOPMOTBEMFGAIN", quantity="")
<i>IntId</i>	CHOPMOTRES (description="CHOPMOTRES", quantity="")
<i>IntId</i>	CHOPMOTIND (description="CHOPMOTIND", quantity="")
<i>IntId</i>	CHOPRATESCALE (description="CHOPRATESCALE", quantity="")
<i>IntId</i>	CHOPPOSNSCALE (description="CHOPPOSNSCALE", quantity="")
<i>IntId</i>	CHOPBEMFRATFIL1 (description="CHOPBEMFRATFIL1", quantity="")
<i>IntId</i>	CHOPBEMFRATFIL2 (description="CHOPBEMFRATFIL2", quantity="")
<i>IntId</i>	CHOPJIGGCUPLE (description="CHOPJIGGCUPLE", quantity="")
<i>StringId</i>	BSMSTAT (description="BSMSTAT", quantity="")
<i>IntId</i>	CHOPPOSNERR (description="CHOPPOSNERR", quantity="")
<i>IntId</i>	CHOPSENSSIG (description="CHOPSENSSIG", quantity="")
<i>DoubleId</i>	CHOPDACVAL (description="CHOPDACVAL", quantity="V")
<i>DoubleId</i>	CHOPMOTORCURR (description="CHOPMOTORCURR", quantity="A")
<i>DoubleId</i>	CHOPMOTORVOLT (description="CHOPMOTORVOLT", quantity="V")
<i>StringId</i>	JIGGSENSPWR (description="JIGGSENSPWR", quantity="")
<i>StringId</i>	JIGGLOOPMODE (description="JIGGLOOPMODE", quantity="")
<i>IntId</i>	JIGGPOSN (description="JIGGPOSN", quantity="")
<i>IntId</i>	JIGGPOSN2 (description="JIGGPOSN2", quantity="")

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<i>Int1d</i>	JIGGFFOFFSET (description="JIGGFFOFFSET", quantity="")
<i>Int1d</i>	JIGGKP (description="JIGGKP", quantity="")
<i>Int1d</i>	JIGGKD (description="JIGGKD", quantity="")
<i>Int1d</i>	JIGGKI (description="JIGGKI", quantity="")
<i>Int1d</i>	JIGGINTREF (description="JIGGINTREF", quantity="")
<i>Int1d</i>	JIGGINTLIMIT (description="JIGGINTLIMIT", quantity="")
<i>Int1d</i>	JIGGFFGAIN (description="JIGGFFGAIN", quantity="")
<i>Int1d</i>	JIGGFFGAINDIFF (description="JIGGFFGAINDIFF", quantity="")
<i>Int1d</i>	JIGGDIFFTC1 (description="JIGGDIFFTC1", quantity="")
<i>Int1d</i>	JIGGDIFFTC2 (description="JIGGDIFFTC2", quantity="")
<i>Int1d</i>	JIGGRATELIMIT (description="JIGGRATELIMIT", quantity="")
<i>Int1d</i>	JIGGMOTBEMFGAIN (description="JIGGMOTBEMFGAIN", quantity="")
<i>Int1d</i>	JIGGMOTRES (description="JIGGMOTRES", quantity="")
<i>Int1d</i>	JIGGMOTIND (description="JIGGMOTIND", quantity="")
<i>Int1d</i>	JIGGRATESCALE (description="JIGGRATESCALE", quantity="")
<i>Int1d</i>	JIGGPOSNSCALE (description="JIGGPOSNSCALE", quantity="")
<i>Int1d</i>	JIGGBEMFRATFIL1 (description="JIGGBEMFRATFIL1", quantity="")
<i>Int1d</i>	JIGGBEMFRATFIL2 (description="JIGGBEMFRATFIL2", quantity="")
<i>Int1d</i>	JIGGCHOPCOUPLE (description="JIGGCHOPCOUPLE", quantity="")
<i>Int1d</i>	JIGGPOSNERR (description="JIGGPOSNERR", quantity="")
<i>Int1d</i>	JIGGSENSSIG (description="JIGGSENSSIG", quantity="")
<i>Double1d</i>	JIGGDACVAL (description="JIGGDACVAL", quantity="V")
<i>Double1d</i>	JIGGMOTORCURR (description="JIGGMOTORCURR", quantity="A")
<i>Double1d</i>	JIGGMOTORVOLT (description="JIGGMOTORVOLT", quantity="V")
<i>Int1d</i>	MCUPCKT10PARM05 (description="MCUPCKT10PARM05", quantity="")
<i>Int1d</i>	MCUPCKT10PARM01 (description="MCUPCKT10PARM01", quantity="")
<i>Int1d</i>	MCUPCKT10PARM02 (description="MCUPCKT10PARM02", quantity="")
<i>Int1d</i>	MCUPCKT10PARM03 (description="MCUPCKT10PARM03", quantity="")
<i>Int1d</i>	MCUPCKT10PARM04 (description="MCUPCKT10PARM04", quantity="")
<i>Int1d</i>	MCUPCKT12PARM01 (description="MCUPCKT12PARM01", quantity="")
<i>Int1d</i>	MCUPCKT12PARM02 (description="MCUPCKT12PARM02", quantity="")
<i>Int1d</i>	MCUPCKT12PARM03 (description="MCUPCKT12PARM03", quantity="")
<i>Int1d</i>	MCUPCKT12PARM04 (description="MCUPCKT12PARM04", quantity="")
<i>Int1d</i>	MCUPCKT12PARM05 (description="MCUPCKT12PARM05", quantity="")

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<i>Int1d</i>	MCUPCKT12PARM06 (description="MCUPCKT12PARM06", quantity="")
<i>Int1d</i>	MCUPCKT14PARM01 (description="MCUPCKT14PARM01", quantity="")
<i>Int1d</i>	MCUPCKT14PARM02 (description="MCUPCKT14PARM02", quantity="")
<i>Int1d</i>	MCUPCKT14PARM03 (description="MCUPCKT14PARM03", quantity="")
<i>Int1d</i>	MCUPCKT14PARM04 (description="MCUPCKT14PARM04", quantity="")
<i>Int1d</i>	MCUPCKT14PARM05 (description="MCUPCKT14PARM05", quantity="")
<i>Int1d</i>	MCUPCKT14PARM06 (description="MCUPCKT14PARM06", quantity="")
<i>Int1d</i>	MCUPCKT14PARM07 (description="MCUPCKT14PARM07", quantity="")
<i>Int1d</i>	MCUPCKT14PARM08 (description="MCUPCKT14PARM08", quantity="")
<i>Int1d</i>	MCUPCKT14PARM09 (description="MCUPCKT14PARM09", quantity="")
<i>Int1d</i>	MCUPCKT14PARM10 (description="MCUPCKT14PARM10", quantity="")
<i>Int1d</i>	MCUPCKT14PARM11 (description="MCUPCKT14PARM11", quantity="")
<i>Int1d</i>	MCUPCKT14PARM12 (description="MCUPCKT14PARM12", quantity="")
<i>Int1d</i>	MCUPCKT14PARM13 (description="MCUPCKT14PARM13", quantity="")
<i>Int1d</i>	MCUPCKT14PARM14 (description="MCUPCKT14PARM14", quantity="")
<i>Int1d</i>	SCUIFSTAT (description="SCUIFSTAT", quantity="")
<i>Int1d</i>	SCUIFCTRL (description="SCUIFCTRL", quantity="")
<i>Int1d</i>	SCUSSDEL (description="SCUSSDEL", quantity="")
<i>Int1d</i>	SCUSTAT (description="SCUSTAT", quantity="")
<i>Int1d</i>	SCUTEMPSTAT (description="SCUTEMPSTAT", quantity="")
<i>Int1d</i>	SCUDCDCSTAT (description="SCUDCDCSTAT", quantity="")
<i>String1d</i>	PLIABITSTAT (description="PLIABITSTAT", quantity="")
<i>String1d</i>	SLIABITSTAT (description="SLIABITSTAT", quantity="")
<i>String1d</i>	MCUBITSTAT (description="MCUBITSTAT", quantity="")
<i>Double1d</i>	SCUP5V (description="SCUP5V", quantity="V")
<i>Double1d</i>	SCUP9V (description="SCUP9V", quantity="V")
<i>Double1d</i>	SCUM9V (description="SCUM9V", quantity="V")
<i>Double1d</i>	EVHSV (description="EVHSV", quantity="V")
<i>Double1d</i>	SPHSV (description="SPHSV", quantity="V")
<i>Double1d</i>	TCHTRV (description="TCHTRV", quantity="V")
<i>Double1d</i>	SPHTRV (description="SPHTRV", quantity="V")

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<i>Double1d</i>	CCUTEMP (description="CCUTEMP", quantity="K")
<i>Double1d</i>	TCUTEMP (description="TCUTEMP", quantity="K")
<i>Double1d</i>	PSUTEMP1 (description="PSUTEMP1", quantity="K")
<i>Int1d</i>	SCUFRAMECONF (description="SCUFRAMECONF", quantity="")
<i>Int1d</i>	SCUFRAMES (description="SCUFRAMES", quantity="")
<i>Int1d</i>	SCUFRAMESTAT (description="SCUFRAMESTAT", quantity="")
<i>Int1d</i>	SCUCTRL (description="SCUCTRL", quantity="")
<i>Double1d</i>	PCALV (description="PCALV", quantity="V")
<i>Double1d</i>	SCAL2V (description="SCAL2V", quantity="V")
<i>Double1d</i>	SCAL4V (description="SCAL4V", quantity="V")
<i>Double1d</i>	SCUCHT2_5V (description="SCUCHT2_5V", quantity="V")
<i>Double1d</i>	SCUCHTREF (description="SCUCHTREF", quantity="V")
<i>Double1d</i>	SCUCHTGND (description="SCUCHTGND", quantity="V")
<i>Double1d</i>	PCALCURR (description="PCALCURR", quantity="A")
<i>Double1d</i>	SCAL2CURR (description="SCAL2CURR", quantity="A")
<i>Double1d</i>	SCAL4CURR (description="SCAL4CURR", quantity="A")
<i>Double1d</i>	PSUTEMP2 (description="PSUTEMP2", quantity="K")
<i>String1d</i>	SUBKSTAT (description="SUBKSTAT", quantity="")
<i>Double1d</i>	PUMPHTRTEMP (description="PUMPHTRTEMP", quantity="K")
<i>Double1d</i>	PUMPHSTEMP (description="PUMPHSTEMP", quantity="K")
<i>Double1d</i>	EVAPHSTEMP (description="EVAPHSTEMP", quantity="K")
<i>Double1d</i>	SHUNTTEMP (description="SHUNTTEMP", quantity="K")
<i>Double1d</i>	EMCFILTEMP (description="EMCFILTEMP", quantity="K")
<i>Double1d</i>	SL0TEMP (description="SL0TEMP", quantity="K")
<i>Double1d</i>	PL0TEMP (description="PL0TEMP", quantity="K")
<i>Double1d</i>	OPTTEMP (description="OPTTEMP", quantity="K")
<i>Double1d</i>	BAFTEMP (description="BAFTEMP", quantity="K")
<i>Double1d</i>	BSMIFTEMP (description="BSMIFTEMP", quantity="K")
<i>Double1d</i>	SCAL2TEMP (description="SCAL2TEMP", quantity="K")
<i>Double1d</i>	SCAL4TEMP (description="SCAL4TEMP", quantity="K")
<i>Double1d</i>	SCALTEMP (description="SCALTEMP", quantity="K")
<i>Double1d</i>	SMECIFTEMP (description="SMECIFTEMP", quantity="K")
<i>Double1d</i>	SMECTEMP (description="SMECTEMP", quantity="K")
<i>Double1d</i>	BSMTEMP (description="BSMTEMP", quantity="K")
<i>Double1d</i>	SUBKTEMP (description="SUBKTEMP", quantity="K")
<i>Double1d</i>	SCUTHTREF (description="SCUTHTREF", quantity="V")
<i>Double1d</i>	SCUTHTGND (description="SCUTHTGND", quantity="V")
<i>Int1d</i>	LOSTTCBLOCK (description="LOSTTCBLOCK", quantity="")
<i>Int1d</i>	LOSTEVBLOCK (description="LOSTEVBLOCK", quantity="")
<i>Int1d</i>	LOSTHKBLOCK (description="LOSTHKBLOCK", quantity="")
<i>Int1d</i>	LOSTSDBLOCK (description="LOSTSDBLOCK", quantity="")
<i>Int1d</i>	LOSTNTBLOCK (description="LOSTNTBLOCK", quantity="")

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<i>Int1d</i>	LS_HP_FIFOSTAT (description="LS_HP_FIFOSTAT", quantity="")
<i>Int1d</i>	LS_LP_FIFOSTAT (description="LS_LP_FIFOSTAT", quantity="")
<i>String1d</i>	MCUPCKT10STAT (description="MCUPCKT10STAT", quantity="")
<i>String1d</i>	MCUPCKT12STAT (description="MCUPCKT12STAT", quantity="")
<i>String1d</i>	MCUPCKT14STAT (description="MCUPCKT14STAT", quantity="")
<i>String1d</i>	MCUPCKT15STAT (description="MCUPCKT15STAT", quantity="")
<i>String1d</i>	MCURAMINTEGRITY (description="MCURAMINTEGRITY", quantity="")
<i>String1d</i>	MCURAMTSTPROG (description="MCURAMTSTPROG", quantity="")
<i>String1d</i>	MCURAMTSTDATA (description="MCURAMTSTDATA", quantity="")
<i>String1d</i>	MCUPROM2RAMCOPY (description="MCUPROM2RAMCOPY", quantity="")
<i>String1d</i>	MCUBOOTMODE (description="MCUBOOTMODE", quantity="")
<i>Int1d</i>	SMECSELECTTAB (description="SMECSELECTTAB", quantity="")
<i>Int1d</i>	CREC_STEP (description="CREC_STEP", quantity="")
<i>Int1d</i>	PTC_STAGE (description="PTC_STAGE", quantity="")
<i>Int1d</i>	SCAL_STAGE (description="SCAL_STAGE", quantity="")
<i>Int1d</i>	JIGGLE_STEP (description="JIGGLE_STEP", quantity="")
<i>Int1d</i>	LOSTRPBLOCK (description="LOSTRPBLOCK", quantity="")
<i>Int1d</i>	LIAFAILCOUNT (description="LIAFAILCOUNT", quantity="")
<i>Int1d</i>	SCANRES (description="SCANRES", quantity="")
<i>Int1d</i>	TABLE7_07_LWORD (description="TABLE7_07_LWORD", quantity="")
<i>Int1d</i>	TABLE7_08_LWORD (description="TABLE7_08_LWORD", quantity="")
<i>Int1d</i>	TABLE7_09_LWORD (description="TABLE7_09_LWORD", quantity="")
<i>Long1d</i>	TABLE7_10 (description="TABLE7_10", quantity="")
<i>Long1d</i>	TABLE7_11 (description="TABLE7_11", quantity="")
<i>Long1d</i>	TABLE7_12 (description="TABLE7_12", quantity="")
<i>Int1d</i>	HK_00 (description="HK_00", quantity="")
<i>Int1d</i>	HK_01 (description="HK_01", quantity="")
<i>Int1d</i>	HK_02 (description="HK_02", quantity="")
<i>Int1d</i>	HK_03 (description="HK_03", quantity="")
<i>Int1d</i>	HK_04 (description="HK_04", quantity="")
<i>Int1d</i>	HK_05 (description="HK_05", quantity="")
<i>Int1d</i>	HK_06 (description="HK_06", quantity="")
<i>Int1d</i>	HK_07 (description="HK_07", quantity="")
<i>Int1d</i>	HK_08 (description="HK_08", quantity="")
<i>Int1d</i>	HK_09 (description="HK_09", quantity="")
<i>Int1d</i>	HK_10 (description="HK_10", quantity="")
<i>Int1d</i>	HK_11 (description="HK_11", quantity="")
<i>Int1d</i>	HK_12 (description="HK_12", quantity="")
<i>Int1d</i>	HK_13 (description="HK_13", quantity="")
<i>Int1d</i>	HK_14 (description="HK_14", quantity="")

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<i>Int1d</i>	HK_15 (description="HK_15", quantity="")
<i>Int1d</i>	HK_16 (description="HK_16", quantity="")
<i>Int1d</i>	HK_17 (description="HK_17", quantity="")
<i>Int1d</i>	HK_18 (description="HK_18", quantity="")
<i>Int1d</i>	HK_19 (description="HK_19", quantity="")
<i>Int1d</i>	HK_20 (description="HK_20", quantity="")
<i>Int1d</i>	HK_21 (description="HK_21", quantity="")
<i>Int1d</i>	HK_22 (description="HK_22", quantity="")
<i>Int1d</i>	HK_23 (description="HK_23", quantity="")
<i>Int1d</i>	seqCount (description="Sequence count", quantity="")
<i>table dataset</i>	(description="Mask timelines")
<i>Metadata</i>	
<i>Double1d</i>	sampleTime (description="Sample time", quantity="TAI")
<i>Int1d</i>	NHK_VERS (description="NHK_VERS", quantity="")
<i>Int1d</i>	NHK_TYPE (description="NHK_TYPE", quantity="")
<i>Int1d</i>	NHK_DFHFLAG (description="NHK_DFHFLAG", quantity="")
<i>Int1d</i>	NHK_APID (description="NHK_APID", quantity="")
<i>Int1d</i>	NHK_SEGFLAG (description="NHK_SEGFLAG", quantity="")
<i>Int1d</i>	NHK_SSC (description="NHK_SSC", quantity="")
<i>Int1d</i>	NHK_PKTLEN (description="NHK_PKTLEN", quantity="")
<i>Int1d</i>	NHK_PUSVERS (description="NHK_PUSVERS", quantity="")
<i>Int1d</i>	NHK_PKTTYPE (description="NHK_PKTTYPE", quantity="")
<i>Int1d</i>	NHK_PKTSTYPE (description="NHK_PKTSTYPE", quantity="")
<i>Int1d</i>	NHK_PKTCTIME (description="NHK_PKTCTIME", quantity="")
<i>Int1d</i>	NHK_PKTFTIME (description="NHK_PKTFTIME", quantity="")
<i>Int1d</i>	BBFULLTYPE (description="BBFULLTYPE", quantity="")
<i>Int1d</i>	MODE (description="MODE", quantity="")
<i>Int1d</i>	STEP (description="STEP", quantity="")
<i>Int1d</i>	THSK (description="THSK", quantity="")
<i>Int1d</i>	TRESET (description="TRESET", quantity="")
<i>Int1d</i>	TCRECV (description="TCRECV", quantity="")
<i>Int1d</i>	TCRECN (description="TCRECN", quantity="")
<i>Int1d</i>	TCEXEC (description="TCEXEC", quantity="")
<i>Int1d</i>	TCEXEN (description="TCEXEN", quantity="")
<i>Int1d</i>	TM1N (description="TM1N", quantity="")
<i>Int1d</i>	TM2N (description="TM2N", quantity="")
<i>Int1d</i>	TM3N (description="TM3N", quantity="")
<i>Int1d</i>	TM4N (description="TM4N", quantity="")
<i>Int1d</i>	TM5N (description="TM5N", quantity="")
<i>Int1d</i>	DCUFRAMECNT (description="DCUFRAMECNT", quantity="")
<i>Int1d</i>	MCUFRAMECNT (description="MCUFRAMECNT", quantity="")

<i>Int1d</i>	SCUFRAMECNT (description="SCUFRAMECNT", quantity="")
<i>Int1d</i>	TSYNC (description="TSYNC", quantity="")
<i>Int1d</i>	TDIFF (description="TDIFF", quantity="")
<i>Int1d</i>	MEMSTAT_1 (description="MEMSTAT_1", quantity="")
<i>Int1d</i>	MEMSTAT_2 (description="MEMSTAT_2", quantity="")
<i>Int1d</i>	MEMSTAT_3 (description="MEMSTAT_3", quantity="")
<i>Int1d</i>	MONSTAT (description="MONSTAT", quantity="")
<i>Int1d</i>	DCULSIFSTAT (description="DCULSIFSTAT", quantity="")
<i>Int1d</i>	DCUHSIFMODE (description="DCUHSIFMODE", quantity="")
<i>Int1d</i>	MCULSIFSTAT (description="MCULSIFSTAT", quantity="")
<i>Int1d</i>	MCUHSIFMODE (description="MCUHSIFMODE", quantity="")
<i>Int1d</i>	SCULSIFSTAT (description="SCULSIFSTAT", quantity="")
<i>Int1d</i>	SCUHSMODE (description="SCUHSMODE", quantity="")
<i>Int1d</i>	BBCOUNT (description="BBCOUNT", quantity="")
<i>Int1d</i>	VMSTAT (description="VMSTAT", quantity="")
<i>Int1d</i>	VM1STAT (description="VM1STAT", quantity="")
<i>Int1d</i>	VM2STAT (description="VM2STAT", quantity="")
<i>Int1d</i>	VM3STAT (description="VM3STAT", quantity="")
<i>Int1d</i>	VMSTATAFX (description="VMSTATAFX", quantity="")
<i>Int1d</i>	SD_VALUE0 (description="SD_VALUE0", quantity="")
<i>Int1d</i>	SD_ADDRESS0 (description="SD_ADDRESS0", quantity="")
<i>Int1d</i>	SD_VALUE1 (description="SD_VALUE1", quantity="")
<i>Int1d</i>	SD_ADDRESS1 (description="SD_ADDRESS1", quantity="")
<i>Int1d</i>	SD_VALUE2 (description="SD_VALUE2", quantity="")
<i>Int1d</i>	SD_ADDRESS2 (description="SD_ADDRESS2", quantity="")
<i>Int1d</i>	SD_VALUE3 (description="SD_VALUE3", quantity="")
<i>Int1d</i>	SD_ADDRESS3 (description="SD_ADDRESS3", quantity="")
<i>Int1d</i>	DPUP5V (description="DPUP5V", quantity="")
<i>Int1d</i>	DPUP15V (description="DPUP15V", quantity="")
<i>Int1d</i>	DPUM15V (description="DPUM15V", quantity="")
<i>Int1d</i>	DPUTEMP (description="DPUTEMP", quantity="")
<i>Int1d</i>	CPULOAD (description="CPULOAD", quantity="")
<i>Int1d</i>	LSLOAD (description="LSLOAD", quantity="")
<i>Int1d</i>	DPUP2_5V (description="DPUP2_5V", quantity="")
<i>Int1d</i>	DCUDATAMODE (description="DCUDATAMODE", quantity="")
<i>Int1d</i>	DCUDATAFRMS (description="DCUDATAFRMS", quantity="")
<i>Int1d</i>	DCUDATASTAT (description="DCUDATASTAT", quantity="")
<i>Int1d</i>	PHOTBIASDIV (description="PHOTBIASDIV", quantity="")
<i>Int1d</i>	PHOTBIASMODE (description="PHOTBIASMODE", quantity="")
<i>Int1d</i>	PHOTMCLKDIV (description="PHOTMCLKDIV", quantity="")
<i>Int1d</i>	PSWBIAS (description="PSWBIAS", quantity="")
<i>Int1d</i>	PMWBIAS (description="PMWBIAS", quantity="")

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<i>IntId</i>	PLWBIAS (description="PLWBIAS", quantity="")
<i>IntId</i>	TCBIAS (description="TCBIAS", quantity="")
<i>IntId</i>	PSWPHASE (description="PSWPHASE", quantity="")
<i>IntId</i>	PMWPHASE (description="PMWPHASE", quantity="")
<i>IntId</i>	PLWPHASE (description="PLWPHASE", quantity="")
<i>IntId</i>	TCPHASE (description="TCPHASE", quantity="")
<i>IntId</i>	PSWJFETSTAT (description="PSWJFETSTAT", quantity="")
<i>IntId</i>	PSW_VDD_JFET1 (description="PSW_VDD_JFET1", quantity="")
<i>IntId</i>	PSW_VDD_JFET2 (description="PSW_VDD_JFET2", quantity="")
<i>IntId</i>	PSW_VDD_JFET3 (description="PSW_VDD_JFET3", quantity="")
<i>IntId</i>	PSW_VDD_JFET4 (description="PSW_VDD_JFET4", quantity="")
<i>IntId</i>	PSW_VDD_JFET5 (description="PSW_VDD_JFET5", quantity="")
<i>IntId</i>	PSW_VDD_JFET6 (description="PSW_VDD_JFET6", quantity="")
<i>IntId</i>	PMLWJFETSTAT (description="PMLWJFETSTAT", quantity="")
<i>IntId</i>	PMW_VDD_JFET1 (description="PMW_VDD_JFET1", quantity="")
<i>IntId</i>	PMW_VDD_JFET2 (description="PMW_VDD_JFET2", quantity="")
<i>IntId</i>	PMW_VDD_JFET3 (description="PMW_VDD_JFET3", quantity="")
<i>IntId</i>	PMW_VDD_JFET4 (description="PMW_VDD_JFET4", quantity="")
<i>IntId</i>	PLW_VDD_JFET1 (description="PLW_VDD_JFET1", quantity="")
<i>IntId</i>	PLW_VDD_JFET2 (description="PLW_VDD_JFET2", quantity="")
<i>IntId</i>	TC_VDD_JFET (description="TC_VDD_JFET", quantity="")
<i>IntId</i>	PSWJFET1V (description="PSWJFET1V", quantity="")
<i>IntId</i>	PSWJFET2V (description="PSWJFET2V", quantity="")
<i>IntId</i>	PSWJFET3V (description="PSWJFET3V", quantity="")
<i>IntId</i>	PSWJFET4V (description="PSWJFET4V", quantity="")
<i>IntId</i>	PSWJFET5V (description="PSWJFET5V", quantity="")
<i>IntId</i>	PSWJFET6V (description="PSWJFET6V", quantity="")
<i>IntId</i>	PMWJFET1V (description="PMWJFET1V", quantity="")
<i>IntId</i>	PMWJFET2V (description="PMWJFET2V", quantity="")
<i>IntId</i>	PMWJFET3V (description="PMWJFET3V", quantity="")
<i>IntId</i>	PMWJFET4V (description="PMWJFET4V", quantity="")
<i>IntId</i>	PLWJFET1V (description="PLWJFET1V", quantity="")
<i>IntId</i>	PLWJFET2V (description="PLWJFET2V", quantity="")
<i>IntId</i>	PHOTHTRV (description="PHOTHTRV", quantity="")
<i>IntId</i>	TCJFETV (description="TCJFETV", quantity="")
<i>IntId</i>	SPECBIASDIV (description="SPECBIASDIV", quantity="")
<i>IntId</i>	SPECBIASMODE (description="SPECBIASMODE", quantity="")
<i>IntId</i>	SPECMCLKDIV (description="SPECMCLKDIV", quantity="")
<i>IntId</i>	SSWBIAS (description="SSWBIAS", quantity="")
<i>IntId</i>	SLWBIAS (description="SLWBIAS", quantity="")
<i>IntId</i>	SSWPHASE (description="SSWPHASE", quantity="")
<i>IntId</i>	SLWPHASE (description="SLWPHASE", quantity="")

<i>Int1d</i>	SPECJFETSTAT (description="SPECJFETSTAT", quantity="")
<i>Int1d</i>	SLW_VDD_JFET1 (description="SLW_VDD_JFET1", quantity="")
<i>Int1d</i>	SSW_VDD_JFET1 (description="SSW_VDD_JFET1", quantity="")
<i>Int1d</i>	SSW_VDD_JFET2 (description="SSW_VDD_JFET2", quantity="")
<i>Int1d</i>	SSWJFET1V (description="SSWJFET1V", quantity="")
<i>Int1d</i>	SSWJFET2V (description="SSWJFET2V", quantity="")
<i>Int1d</i>	SLWJFET1V (description="SLWJFET1V", quantity="")
<i>Int1d</i>	SPECHTRV (description="SPECHTRV", quantity="")
<i>Int1d</i>	TC1TEMP (description="TC1TEMP", quantity="")
<i>Int1d</i>	TC2TEMP (description="TC2TEMP", quantity="")
<i>Int1d</i>	TC3TEMP (description="TC3TEMP", quantity="")
<i>Int1d</i>	BIASP5V (description="BIASP5V", quantity="")
<i>Int1d</i>	BIASP9V (description="BIASP9V", quantity="")
<i>Int1d</i>	BIASM9V (description="BIASM9V", quantity="")
<i>Int1d</i>	OBSVER (description="OBSVER", quantity="")
<i>Int1d</i>	OBSVER1 (description="OBSVER1", quantity="")
<i>Int1d</i>	OBSVER2 (description="OBSVER2", quantity="")
<i>Int1d</i>	OBSVER3 (description="OBSVER3", quantity="")
<i>Int1d</i>	TMMODE (description="TMMODE", quantity="")
<i>Int1d</i>	FIFO_DF_FLAG (description="FIFO_DF_FLAG", quantity="")
<i>Int1d</i>	PLIAP5V (description="PLIAP5V", quantity="")
<i>Int1d</i>	PLIAP9V (description="PLIAP9V", quantity="")
<i>Int1d</i>	PLIAM9V (description="PLIAM9V", quantity="")
<i>Int1d</i>	SLIAP5V (description="SLIAP5V", quantity="")
<i>Int1d</i>	SLIAP9V (description="SLIAP9V", quantity="")
<i>Int1d</i>	SLIAM9V (description="SLIAM9V", quantity="")
<i>Int1d</i>	LIAP9TEMP (description="LIAP9TEMP", quantity="")
<i>Int1d</i>	LIAP8TEMP (description="LIAP8TEMP", quantity="")
<i>Int1d</i>	LIAP7TEMP (description="LIAP7TEMP", quantity="")
<i>Int1d</i>	LIAP6TEMP (description="LIAP6TEMP", quantity="")
<i>Int1d</i>	LIAP5TEMP (description="LIAP5TEMP", quantity="")
<i>Int1d</i>	LIAP4TEMP (description="LIAP4TEMP", quantity="")
<i>Int1d</i>	LIAP3TEMP (description="LIAP3TEMP", quantity="")
<i>Int1d</i>	LIAP2TEMP (description="LIAP2TEMP", quantity="")
<i>Int1d</i>	LIAP1TEMP (description="LIAP1TEMP", quantity="")
<i>Int1d</i>	LIAS1TEMP (description="LIAS1TEMP", quantity="")
<i>Int1d</i>	LIAS2TEMP (description="LIAS2TEMP", quantity="")
<i>Int1d</i>	LIAS3TEMP (description="LIAS3TEMP", quantity="")
<i>Int1d</i>	BIASTEMP (description="BIASTEMP", quantity="")
<i>Int1d</i>	DAQTEMP (description="DAQTEMP", quantity="")
<i>Int1d</i>	LIASSTAT (description="LIASSTAT", quantity="")
<i>Int1d</i>	LIAP1STAT (description="LIAP1STAT", quantity="")

<i>Int1d</i>	LIAP2STAT (description="LIAP2STAT", quantity="")
<i>Int1d</i>	LIAP3STAT (description="LIAP3STAT", quantity="")
<i>Int1d</i>	LIAP4STAT (description="LIAP4STAT", quantity="")
<i>Int1d</i>	LIAP5STAT (description="LIAP5STAT", quantity="")
<i>Int1d</i>	LIAP6STAT (description="LIAP6STAT", quantity="")
<i>Int1d</i>	LIAP7STAT (description="LIAP7STAT", quantity="")
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<i>Int1d</i>	MCUSSDEL (description="MCUSSDEL", quantity="")
<i>Int1d</i>	MCUP5V (description="MCUP5V", quantity="")
<i>Int1d</i>	MCUP14V (description="MCUP14V", quantity="")
<i>Int1d</i>	MCUM14V (description="MCUM14V", quantity="")
<i>Int1d</i>	MCUP15V (description="MCUP15V", quantity="")
<i>Int1d</i>	MCUM15V (description="MCUM15V", quantity="")
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<i>Int1d</i>	MCUSMECTEMP (description="MCUSMECTEMP", quantity="")
<i>Int1d</i>	MCUBSMTEMP (description="MCUBSMTEMP", quantity="")
<i>Int1d</i>	MCUERR (description="MCUERR", quantity="")
<i>Int1d</i>	MCUSCHEDCNTLSW (description="MCUSCHEDCNTLSW", quantity="")
<i>Int1d</i>	MCUSCHEDCNTMSW (description="MCUSCHEDCNTMSW", quantity="")
<i>Int1d</i>	MCUTM10TSAMPLE (description="MCUTM10TSAMPLE", quantity="")
<i>Int1d</i>	MCUFRAMESTART (description="MCUFRAMESTART", quantity="")
<i>Int1d</i>	MCUTM12TSAMPLE (description="MCUTM12TSAMPLE", quantity="")
<i>Int1d</i>	MCUFRAMES (description="MCUFRAMES", quantity="")
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<i>Int1d</i>	MCUTM15TSAMPLE (description="MCUTM15TSAMPLE", quantity="")
<i>Int1d</i>	MCUTMSTATUS (description="MCUTMSTATUS", quantity="")
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<i>Int1d</i>	SMECLOSTCOUNT (description="SMECLOSTCOUNT", quantity="")
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<i>Int1d</i>	SMECLVDPWR (description="SMECLVDPWR", quantity="")
<i>Int1d</i>	SMECLATCHSTAT (description="SMECLATCHSTAT", quantity="")
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<i>Int1d</i>	SCANSTART (description="SCANSTART", quantity="")

<i>Int1d</i>	SCANEND (description="SCANEND", quantity="")
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<i>Int1d</i>	SCANMODE (description="SCANMODE", quantity="")
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<i>Int1d</i>	SMECDFILT (description="SMECDFILT", quantity="")
<i>Int1d</i>	SMECKI (description="SMECKI", quantity="")
<i>Int1d</i>	SMECINTLIMIT (description="SMECINTLIMIT", quantity="")
<i>Int1d</i>	SMECINTTHRESH (description="SMECINTTHRESH", quantity="")
<i>Int1d</i>	SMECRATELIMIT (description="SMECRATELIMIT", quantity="")
<i>Int1d</i>	SMECDFILT2 (description="SMECDFILT2", quantity="")
<i>Int1d</i>	SMECFFGAIN (description="SMECFFGAIN", quantity="")
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<i>Int1d</i>	SMECMOTORRES (description="SMECMOTORRES", quantity="")
<i>Int1d</i>	SMECMOTORBEMF (description="SMECMOTORBEMF", quantity="")
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<i>Int1d</i>	SMECMOTORVOLT (description="SMECMOTORVOLT", quantity="")
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<i>Int1d</i>	CHOPDIFFTC2 (description="CHOPDIFFTC2", quantity="")
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<i>Int1d</i>	CHOPMOTBEMFGAIN (description="CHOPMOTBEMFGAIN", quantity="")
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<i>Int1d</i>	CHOPPOSNSCALE (description="CHOPPOSNSCALE", quantity="")
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<i>Int1d</i>	CHOPBEMFRATFIL2 (description="CHOPBEMFRATFIL2", quantity="")
<i>Int1d</i>	CHOPJIGGCOUPLE (description="CHOPJIGGCOUPLE", quantity="")
<i>Int1d</i>	BSMSTAT (description="BSMSTAT", quantity="")
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<i>Int1d</i>	CHOPSENSSIG (description="CHOPSENSSIG", quantity="")
<i>Int1d</i>	CHOPDACVAL (description="CHOPDACVAL", quantity="")
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<i>Int1d</i>	JIGGMOTIND (description="JIGGMOTIND", quantity="")
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<i>Int1d</i>	JIGGPOSNSCALE (description="JIGGPOSNSCALE", quantity="")
<i>Int1d</i>	JIGGBEMFRATFIL1 (description="JIGGBEMFRATFIL1", quantity="")
<i>Int1d</i>	JIGGBEMFRATFIL2 (description="JIGGBEMFRATFIL2", quantity="")
<i>Int1d</i>	JIGGCHOPCOUPLE (description="JIGGCHOPCOUPLE", quantity="")
<i>Int1d</i>	JIGGPOSNERR (description="JIGGPOSNERR", quantity="")
<i>Int1d</i>	JIGGSENSSIG (description="JIGGSENSSIG", quantity="")
<i>Int1d</i>	JIGGDACVAL (description="JIGGDACVAL", quantity="")
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<i>Int1d</i>	MCUPCKT10PARM02 (description="MCUPCKT10PARM02", quantity="")
<i>Int1d</i>	MCUPCKT10PARM03 (description="MCUPCKT10PARM03", quantity="")
<i>Int1d</i>	MCUPCKT10PARM04 (description="MCUPCKT10PARM04", quantity="")
<i>Int1d</i>	MCUPCKT12PARM01 (description="MCUPCKT12PARM01", quantity="")
<i>Int1d</i>	MCUPCKT12PARM02 (description="MCUPCKT12PARM02", quantity="")
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<i>Int1d</i>	MCUPCKT12PARM04 (description="MCUPCKT12PARM04", quantity="")
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<i>IntId</i>	MCUPCKT14PARM01 (description="MCUPCKT14PARM01", quantity="")
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<i>IntId</i>	MCUPCKT14PARM13 (description="MCUPCKT14PARM13", quantity="")
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<i>IntId</i>	SCUSSDEL (description="SCUSSDEL", quantity="")
<i>IntId</i>	SCUSTAT (description="SCUSTAT", quantity="")
<i>IntId</i>	SCUTEMPSTAT (description="SCUTEMPSTAT", quantity="")
<i>IntId</i>	SCUDCDCSTAT (description="SCUDCDCSTAT", quantity="")
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<i>IntId</i>	SCUP9V (description="SCUP9V", quantity="")
<i>IntId</i>	SCUM9V (description="SCUM9V", quantity="")
<i>IntId</i>	EVHSV (description="EVHSV", quantity="")
<i>IntId</i>	SPHSV (description="SPHSV", quantity="")
<i>IntId</i>	TCHTRV (description="TCHTRV", quantity="")
<i>IntId</i>	SPHTRV (description="SPHTRV", quantity="")

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<i>Int1d</i>	CCUTEMP (description="CCUTEMP", quantity="")
<i>Int1d</i>	TCUTEMP (description="TCUTEMP", quantity="")
<i>Int1d</i>	PSUTEMP1 (description="PSUTEMP1", quantity="")
<i>Int1d</i>	SCUFRAMECONF (description="SCUFRAMECONF", quantity="")
<i>Int1d</i>	SCUFRAMES (description="SCUFRAMES", quantity="")
<i>Int1d</i>	SCUFRAMESTAT (description="SCUFRAMESTAT", quantity="")
<i>Int1d</i>	SCUCTRL (description="SCUCTRL", quantity="")
<i>Int1d</i>	PCALV (description="PCALV", quantity="")
<i>Int1d</i>	SCAL2V (description="SCAL2V", quantity="")
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<i>IntId</i>	CREC_STEP (description="CREC_STEP", quantity="")
<i>IntId</i>	PTC_STAGE (description="PTC_STAGE", quantity="")
<i>IntId</i>	SCAL_STAGE (description="SCAL_STAGE", quantity="")
<i>IntId</i>	JIGGLE_STEP (description="JIGGLE_STEP", quantity="")
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<i>IntId</i>	HK_22 (description="HK_22", quantity="")
<i>IntId</i>	HK_23 (description="HK_23", quantity="")
<i>IntId</i>	seqCount (description="Sequence count", quantity="")
<i>compos- ite</i>	(description="History of product")
<i>Metadata</i>	
<i>LongParameter</i>	id (description="Unique ID")
<i>table dataset</i>	(description="History as Jython script")
<i>Metadata</i>	
<i>StringParameter</i>	outvar (description="last output variable")
<i>StringId</i>	Lines (description="script lines", quantity="none")
<i>table dataset</i>	(description="History of tasks")
<i>Metadata</i>	
<i>LongId</i>	ID (description="Links the parameter and task table", quantity="none")
<i>StringId</i>	Name (description="The name of the task", quantity="none")
<i>LongId</i>	ExecDate (description="Time of execution (FINETIME)", quantity="none")
<i>BoolId</i>	Succeeded (description="Flag for success/failed", quantity="none")
<i>LongId</i>	HistoryId (description="Id of current history", quantity="none")
<i>table dataset</i>	(description="The parameters belonging to the task history")
<i>Metadata</i>	
<i>LongId</i>	TaskID (description="Links the parameter and task table", quantity="none")
<i>StringId</i>	Name (description="The name of the parameter", quantity="none")
<i>StringId</i>	Type (description="Type of parameter", quantity="none")
<i>StringId</i>	Value (description="String representation of the parameter value", quantity="none")
<i>BoolId</i>	IsDefault (description="True if the default value has been used", quantity="none")
<i>LongId</i>	IncHistoryId (description="ID of the history of an included product", quantity="none")
<i>IntId</i>	IncNumTask (description="Number of tasks to include from history", quantity="none")
<i>LongId</i>	HistoryId (description="Id of current history", quantity="none")
<i>BoolId</i>	UserInput (description="Needs user input", quantity="none")

5.2.6. CHKT: Critical House Keeping Timeline

<i>product (type="CHKT", description="Critical House Keeping Timeline")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	aorLabel (description="AOR Label as entered in HSpot")
StringParameter	aot (description="AOT Identifier")
StringParameter	author (description="Author of the Data")
StringParameter	cusMode (description="null")
DoubleParameter	dec (description="Actual Declination of pointing")
DoubleParameter	decNominal (description="Requested Declination of pointing")
DoubleParameter	equinox (description="Equinox of celestial coordinate system")
StringParameter	instMode (description="null")
StringParameter	fileName (description="file name for export")
StringParameter	missionConfig (description="Mission configuration")
StringParameter	naifId (description="SSO NAIF identifier")
StringParameter	object (description="Target name")
StringParameter	observer (description="Observer name")
LongParameter	obsid (description="null")
StringParameter	obsMode (description="null")
LongParameter	odNumber (description="null")

StringParameter	pointingMode (description="Pointing mode")
DoubleParameter	posAngle (description="Position Angle of pointing")
StringParameter	proposal (description="Proposal name")
DoubleParameter	ra (description="Actual Right Ascension of pointing")
StringParameter	raDeSys (description="Coordinate reference frame for the RA and DEC")
DoubleParameter	raNominal (description="Requested Right Ascension of pointing")
StringParameter	telescope (description="Name of telescope")
StringParameter	subsystem (description="Instrument subsystem")
LongParameter	bbid (description="Building Block Identifier")
StringParameter	source (description="TM source packet name")
StringParameter	elecSide (description="Electronic side")
StringParameter	bbTypeName (description="Building block type name")
<i>table dataset</i>	(description="Signal timelines")
<i>Metadata</i>	
<i>DoubleId</i>	sampleTime (description="Sample time", quantity="TAI")
<i>IntId</i>	SID_C (description="SID_C", quantity="")
<i>LongId</i>	OBSID_C (description="OBSID_C", quantity="")
<i>LongId</i>	BBID_C (description="BBID_C", quantity="")
<i>IntId</i>	MODE_C (description="MODE_C", quantity="")
<i>IntId</i>	STEP_C (description="STEP_C", quantity="")
<i>IntId</i>	TCRECV_C (description="TCRECV_C", quantity="")
<i>IntId</i>	TCEXEC_C (description="TCEXEC_C", quantity="")
<i>StringId</i>	MEMSTAT1_C (description="MEMSTAT1_C", quantity="")
<i>StringId</i>	MEMSTAT2_C (description="MEMSTAT2_C", quantity="")
<i>StringId</i>	MEMSTAT3_C (description="MEMSTAT3_C", quantity="")
<i>StringId</i>	MONSTAT_C (description="MONSTAT_C", quantity="")
<i>StringId</i>	SCUDCDCSTAT_C (description="SCUDCDCSTAT_C", quantity="")
<i>StringId</i>	MCUIFSTAT_C (description="MCUIFSTAT_C", quantity="")
<i>StringId</i>	SCUIFSTAT_C (description="SCUIFSTAT_C", quantity="")
<i>StringId</i>	PSWJFETSTAT_C (description="PSWJFETSTAT_C", quantity="")
<i>StringId</i>	PSW_VDD_JFET1_C (description="PSW_VDD_JFET1_C", quantity="")
<i>StringId</i>	PSW_VDD_JFET2_C (description="PSW_VDD_JFET2_C", quantity="")
<i>StringId</i>	PSW_VDD_JFET3_C (description="PSW_VDD_JFET3_C", quantity="")

<i>StringId</i>	PSW_VDD_JFET4_C (description="PSW_VDD_JFET4_C", quantity="")
<i>StringId</i>	PSW_VDD_JFET5_C (description="PSW_VDD_JFET5_C", quantity="")
<i>StringId</i>	PSW_VDD_JFET6_C (description="PSW_VDD_JFET6_C", quantity="")
<i>StringId</i>	PMLWJFETSTAT_C (description="PMLWJFETSTAT_C", quantity="")
<i>StringId</i>	PMW_VDD_JFET1_C (description="PMW_VDD_JFET1_C", quantity="")
<i>StringId</i>	PMW_VDD_JFET2_C (description="PMW_VDD_JFET2_C", quantity="")
<i>StringId</i>	PMW_VDD_JFET3_C (description="PMW_VDD_JFET3_C", quantity="")
<i>StringId</i>	PMW_VDD_JFET4_C (description="PMW_VDD_JFET4_C", quantity="")
<i>StringId</i>	PLW_VDD_JFET1_C (description="PLW_VDD_JFET1_C", quantity="")
<i>StringId</i>	PLW_VDD_JFET2_C (description="PLW_VDD_JFET2_C", quantity="")
<i>StringId</i>	TC_VDD_JFET_C (description="TC_VDD_JFET_C", quantity="")
<i>StringId</i>	SPECJFETSTAT_C (description="SPECJFETSTAT_C", quantity="")
<i>StringId</i>	SLW_VDD_JFET1_C (description="SLW_VDD_JFET1_C", quantity="")
<i>StringId</i>	SSW_VDD_JFET1_C (description="SSW_VDD_JFET1_C", quantity="")
<i>StringId</i>	SSW_VDD_JFET2_C (description="SSW_VDD_JFET2_C", quantity="")
<i>StringId</i>	LIASSTAT_C (description="LIASSTAT_C", quantity="")
<i>StringId</i>	LIAP1STAT_C (description="LIAP1STAT_C", quantity="")
<i>StringId</i>	LIAP2STAT_C (description="LIAP2STAT_C", quantity="")
<i>StringId</i>	LIAP3STAT_C (description="LIAP3STAT_C", quantity="")
<i>StringId</i>	LIAP4STAT_C (description="LIAP4STAT_C", quantity="")
<i>StringId</i>	LIAP5STAT_C (description="LIAP5STAT_C", quantity="")
<i>StringId</i>	LIAP6STAT_C (description="LIAP6STAT_C", quantity="")
<i>StringId</i>	LIAP7STAT_C (description="LIAP7STAT_C", quantity="")
<i>StringId</i>	LIAP8STAT_C (description="LIAP8STAT_C", quantity="")
<i>StringId</i>	LIAP9STAT_C (description="LIAP9STAT_C", quantity="")
<i>StringId</i>	LIAS1STAT_C (description="LIAS1STAT_C", quantity="")
<i>StringId</i>	LIAS2STAT_C (description="LIAS2STAT_C", quantity="")
<i>StringId</i>	LIAS3STAT_C (description="LIAS3STAT_C", quantity="")
<i>StringId</i>	MCUERR_C (description="MCUERR_C", quantity="")
<i>StringId</i>	SMECSTAT_C (description="SMECSTAT_C", quantity="")
<i>StringId</i>	BSMSTAT_C (description="BSMSTAT_C", quantity="")
<i>StringId</i>	SCUSTAT_C (description="SCUSTAT_C", quantity="")
<i>DoubleId</i>	SUBKTEMP_C (description="SUBKTEMP_C", quantity="K")
<i>IntId</i>	OBSVER_C (description="OBSVER_C", quantity="")
<i>ShortId</i>	OBSVER1_C (description="OBSVER1_C", quantity="")
<i>ShortId</i>	OBSVER2_C (description="OBSVER2_C", quantity="")
<i>StringId</i>	OBSVER3_C (description="OBSVER3_C", quantity="")
<i>StringId</i>	CHK_VERS (description="CHK_VERS", quantity="")
<i>StringId</i>	CHK_TYPE (description="CHK_TYPE", quantity="")
<i>StringId</i>	CHK_DFHFLAG (description="CHK_DFHFLAG", quantity="")
<i>ShortId</i>	CHK_APID (description="CHK_APID", quantity="")
<i>StringId</i>	CHK_SEGFLAG (description="CHK_SEGFLAG", quantity="")

<i>ShortId</i>	CHK_SSC (description="CHK_SSC", quantity="")
<i>IntId</i>	CHK_PKTLEN (description="CHK_PKTLEN", quantity="")
<i>StringId</i>	CHK_PUSVERS (description="CHK_PUSVERS", quantity="")
<i>ShortId</i>	CHK_PKTTYPE (description="CHK_PKTTYPE", quantity="")
<i>ShortId</i>	CHK_PKTSTYPE (description="CHK_PKTSTYPE", quantity="")
<i>LongId</i>	CHK_PKTCTIME (description="CHK_PKTCTIME", quantity="")
<i>IntId</i>	CHK_PKTFTIME (description="CHK_PKTFTIME", quantity="")
<i>IntId</i>	seqCount (description="Sequence count", quantity="")
<i>table dataset</i>	(description="Mask timelines")
<i>Metadata</i>	
<i>DoubleId</i>	sampleTime (description="Sample time", quantity="TAI")
<i>IntId</i>	SID_C (description="SID_C", quantity="")
<i>IntId</i>	OBSID_C (description="OBSID_C", quantity="")
<i>IntId</i>	BBID_C (description="BBID_C", quantity="")
<i>IntId</i>	MODE_C (description="MODE_C", quantity="")
<i>IntId</i>	STEP_C (description="STEP_C", quantity="")
<i>IntId</i>	TCRECV_C (description="TCRECV_C", quantity="")
<i>IntId</i>	TCEXEC_C (description="TCEXEC_C", quantity="")
<i>IntId</i>	MEMSTAT1_C (description="MEMSTAT1_C", quantity="")
<i>IntId</i>	MEMSTAT2_C (description="MEMSTAT2_C", quantity="")
<i>IntId</i>	MEMSTAT3_C (description="MEMSTAT3_C", quantity="")
<i>IntId</i>	MONSTAT_C (description="MONSTAT_C", quantity="")
<i>IntId</i>	SCUDCDCSTAT_C (description="SCUDCDCSTAT_C", quantity="")
<i>IntId</i>	MCUIFSTAT_C (description="MCUIFSTAT_C", quantity="")
<i>IntId</i>	SCUIFSTAT_C (description="SCUIFSTAT_C", quantity="")
<i>IntId</i>	PSWJFETSTAT_C (description="PSWJFETSTAT_C", quantity="")
<i>IntId</i>	PSW_VDD_JFET1_C (description="PSW_VDD_JFET1_C", quantity="")
<i>IntId</i>	PSW_VDD_JFET2_C (description="PSW_VDD_JFET2_C", quantity="")
<i>IntId</i>	PSW_VDD_JFET3_C (description="PSW_VDD_JFET3_C", quantity="")
<i>IntId</i>	PSW_VDD_JFET4_C (description="PSW_VDD_JFET4_C", quantity="")
<i>IntId</i>	PSW_VDD_JFET5_C (description="PSW_VDD_JFET5_C", quantity="")
<i>IntId</i>	PSW_VDD_JFET6_C (description="PSW_VDD_JFET6_C", quantity="")
<i>IntId</i>	PMLWJFETSTAT_C (description="PMLWJFETSTAT_C", quantity="")
<i>IntId</i>	PMW_VDD_JFET1_C (description="PMW_VDD_JFET1_C", quantity="")
<i>IntId</i>	PMW_VDD_JFET2_C (description="PMW_VDD_JFET2_C", quantity="")
<i>IntId</i>	PMW_VDD_JFET3_C (description="PMW_VDD_JFET3_C", quantity="")
<i>IntId</i>	PMW_VDD_JFET4_C (description="PMW_VDD_JFET4_C", quantity="")
<i>IntId</i>	PLW_VDD_JFET1_C (description="PLW_VDD_JFET1_C", quantity="")
<i>IntId</i>	PLW_VDD_JFET2_C (description="PLW_VDD_JFET2_C", quantity="")
<i>IntId</i>	TC_VDD_JFET_C (description="TC_VDD_JFET_C", quantity="")
<i>IntId</i>	SPECJFETSTAT_C (description="SPECJFETSTAT_C", quantity="")

<i>Int1d</i>	SLW_VDD_JFET1_C (description="SLW_VDD_JFET1_C", quantity="")
<i>Int1d</i>	SSW_VDD_JFET1_C (description="SSW_VDD_JFET1_C", quantity="")
<i>Int1d</i>	SSW_VDD_JFET2_C (description="SSW_VDD_JFET2_C", quantity="")
<i>Int1d</i>	LIASSTAT_C (description="LIASSTAT_C", quantity="")
<i>Int1d</i>	LIAP1STAT_C (description="LIAP1STAT_C", quantity="")
<i>Int1d</i>	LIAP2STAT_C (description="LIAP2STAT_C", quantity="")
<i>Int1d</i>	LIAP3STAT_C (description="LIAP3STAT_C", quantity="")
<i>Int1d</i>	LIAP4STAT_C (description="LIAP4STAT_C", quantity="")
<i>Int1d</i>	LIAP5STAT_C (description="LIAP5STAT_C", quantity="")
<i>Int1d</i>	LIAP6STAT_C (description="LIAP6STAT_C", quantity="")
<i>Int1d</i>	LIAP7STAT_C (description="LIAP7STAT_C", quantity="")
<i>Int1d</i>	LIAP8STAT_C (description="LIAP8STAT_C", quantity="")
<i>Int1d</i>	LIAP9STAT_C (description="LIAP9STAT_C", quantity="")
<i>Int1d</i>	LIAS1STAT_C (description="LIAS1STAT_C", quantity="")
<i>Int1d</i>	LIAS2STAT_C (description="LIAS2STAT_C", quantity="")
<i>Int1d</i>	LIAS3STAT_C (description="LIAS3STAT_C", quantity="")
<i>Int1d</i>	MCUERR_C (description="MCUERR_C", quantity="")
<i>Int1d</i>	SMECSTAT_C (description="SMECSTAT_C", quantity="")
<i>Int1d</i>	BSMSTAT_C (description="BSMSTAT_C", quantity="")
<i>Int1d</i>	SCUSTAT_C (description="SCUSTAT_C", quantity="")
<i>Int1d</i>	SUBKTEMP_C (description="SUBKTEMP_C", quantity="")
<i>Int1d</i>	OBSVER_C (description="OBSVER_C", quantity="")
<i>Int1d</i>	OBSVER1_C (description="OBSVER1_C", quantity="")
<i>Int1d</i>	OBSVER2_C (description="OBSVER2_C", quantity="")
<i>Int1d</i>	OBSVER3_C (description="OBSVER3_C", quantity="")
<i>Int1d</i>	CHK_VERS (description="CHK_VERS", quantity="")
<i>Int1d</i>	CHK_TYPE (description="CHK_TYPE", quantity="")
<i>Int1d</i>	CHK_DFHFLAG (description="CHK_DFHFLAG", quantity="")
<i>Int1d</i>	CHK_APID (description="CHK_APID", quantity="")
<i>Int1d</i>	CHK_SEGFLAG (description="CHK_SEGFLAG", quantity="")
<i>Int1d</i>	CHK_SSC (description="CHK_SSC", quantity="")
<i>Int1d</i>	CHK_PKTLEN (description="CHK_PKTLEN", quantity="")
<i>Int1d</i>	CHK_PUSVERS (description="CHK_PUSVERS", quantity="")
<i>Int1d</i>	CHK_PKTTYPE (description="CHK_PKTTYPE", quantity="")
<i>Int1d</i>	CHK_PKTSTYPE (description="CHK_PKTSTYPE", quantity="")
<i>Int1d</i>	CHK_PKTCTIME (description="CHK_PKTCTIME", quantity="")
<i>Int1d</i>	CHK_PKTFTIME (description="CHK_PKTFTIME", quantity="")
<i>Int1d</i>	seqCount (description="Sequence count", quantity="")
<i>compos- ite</i>	(description="History of product")
<i>Metadata</i>	
LongParameter	id (description="Unique ID")

<i>table dataset</i>	<i>(description="History as Jython script")</i>	
<i>Metadata</i>		
StringParameter	outvar (description="last output variable")	
StringId	Lines (description="script lines", quantity="none")	
<i>table dataset</i>	<i>(description="History of tasks")</i>	
<i>Metadata</i>		
LongId	ID (description="Links the parameter and task table", quantity="none")	
StringId	Name (description="The name of the task", quantity="none")	
LongId	ExecDate (description="Time of execution (FINETIME)", quantity="none")	
BoolId	Succeeded (description="Flag for success/failed", quantity="none")	
LongId	HistoryId (description="Id of current history", quantity="none")	
<i>table dataset</i>	<i>(description="The parameters belonging to the task history")</i>	
<i>Metadata</i>		
LongId	TaskID (description="Links the parameter and task table", quantity="none")	
StringId	Name (description="The name of the parameter", quantity="none")	
StringId	Type (description="Type of parameter", quantity="none")	
StringId	Value (description="String representation of the parameter value", quantity="none")	
BoolId	IsDefault (description="True if the default value has been used", quantity="none")	
LongId	IncHistoryId (description="ID of the history of an included product", quantity="none")	
IntId	IncNumTask (description="Number of tasks to include from history", quantity="none")	
LongId	HistoryId (description="Id of current history", quantity="none")	
BoolId	UserInput (description="Needs user input", quantity="none")	

5.2.7. BSMT: Beam Steering Mirror Timeline

<i>product (type="BSMT", description="Beam Steering Mirror Timeline")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")

DateParameter	endDate (description="End date of this product")
StringParameter	aorLabel (description="AOR Label as entered in HSpot")
StringParameter	aot (description="AOT Identifier")
StringParameter	author (description="Author of the Data")
StringParameter	cusMode (description="null")
DoubleParameter	dec (description="Actual Declination of pointing")
DoubleParameter	decNominal (description="Requested Declination of pointing")
DoubleParameter	equinox (description="Equinox of celestial coordinate system")
StringParameter	instMode (description="null")
StringParameter	fileName (description="file name for export")
StringParameter	missionConfig (description="Mission configuration")
StringParameter	naifId (description="SSO NAIF identifier")
StringParameter	object (description="Target name")
StringParameter	observer (description="Observer name")
LongParameter	obsid (description="null")
StringParameter	obsMode (description="null")
LongParameter	odNumber (description="null")
StringParameter	pointingMode (description="Pointing mode")
DoubleParameter	posAngle (description="Position Angle of pointing")
StringParameter	proposal (description="Proposal name")
DoubleParameter	ra (description="Actual Right Ascension of pointing")
StringParameter	raDeSys (description="Coordinate reference frame for the RA and DEC")
DoubleParameter	raNominal (description="Requested Right Ascension of pointing")
StringParameter	telescope (description="Name of telescope")
StringParameter	subsystem (description="Instrument subsystem")
LongParameter	bbid (description="Building Block Identifier")

StringParameter	source (description="TM source packet name")
StringParameter	elecSide (description="Electronic side")
StringParameter	bbTypeName (description="Building block type name")
table dataset	(description="Signal timelines")
Metadata	
DoubleId	sampleTime (description="Sample time", quantity="TAI")
IntId	chopSens (description="BSMCHOPSENSSIG", quantity="")
IntId	chopMotorCurr (description="BSMCHOPMOTORCURR", quantity="")
IntId	chopMotorVolt (description="BSMCHOPMOTORVOLT", quantity="")
IntId	jiggSens (description="BSMJIGGSENSSIG", quantity="")
IntId	jiggMotorCurr (description="BSMJIGGMOTORCURR", quantity="")
IntId	jiggMotorVolt (description="BSMJIGGMOTORVOLT", quantity="")
LongId	transmTime (description="BSMTTIME", quantity="")
table dataset	(description="Mask timelines")
Metadata	
DoubleId	sampleTime (description="Sample time", quantity="TAI")
IntId	chopSens (description="BSMCHOPSENSSIG", quantity="")
IntId	chopMotorCurr (description="BSMCHOPMOTORCURR", quantity="")
IntId	chopMotorVolt (description="BSMCHOPMOTORVOLT", quantity="")
IntId	jiggSens (description="BSMJIGGSENSSIG", quantity="")
IntId	jiggMotorCurr (description="BSMJIGGMOTORCURR", quantity="")
IntId	jiggMotorVolt (description="BSMJIGGMOTORVOLT", quantity="")
IntId	transmTime (description="BSMTTIME", quantity="")
composite	(description="History of product")
Metadata	
LongParameter	id (description="Unique ID")
table dataset	(description="History as Jython script")
Metadata	
StringParameter	outvar (description="last output variable")
StringId	Lines (description="script lines", quantity="none")
table dataset	(description="History of tasks")
Metadata	
LongId	ID (description="Links the parameter and task table", quantity="none")
StringId	Name (description="The name of the task", quantity="none")
LongId	ExecDate (description="Time of execution (FINETIME)", quantity="none")
BoolId	Succeeded (description="Flag for success/failed", quantity="none")
LongId	HistoryId (description="Id of current history", quantity="none")

<i>table dataset</i>	<i>(description="The parameters belonging to the task history")</i>	
<i>Metadata</i>		
<i>LongId</i>	TaskID	<i>(description="Links the parameter and task table", quantity="none")</i>
<i>StringId</i>	Name	<i>(description="The name of the parameter", quantity="none")</i>
<i>StringId</i>	Type	<i>(description="Type of parameter", quantity="none")</i>
<i>StringId</i>	Value	<i>(description="String representation of the parameter value", quantity="none")</i>
<i>BoolId</i>	IsDefault	<i>(description="True if the default value has been used", quantity="none")</i>
<i>LongId</i>	IncHistoryId	<i>(description="ID of the history of an included product", quantity="none")</i>
<i>IntId</i>	IncNumTask	<i>(description="Number of tasks to include from history", quantity="none")</i>
<i>LongId</i>	HistoryId	<i>(description="Id of current history", quantity="none")</i>
<i>BoolId</i>	UserInput	<i>(description="Needs user input", quantity="none")</i>

5.2.8. SMECT: Spectrometer Mechanism Timeline

<i>product (type="SMECT", description="Spectrometer Mechanism Timeline")</i>		
<i>Metadata</i>		
StringParameter	type	<i>(description="Product Type Identification")</i>
StringParameter	creator	<i>(description="Generator of this product")</i>
DateParameter	creationDate	<i>(description="Creation date of this product")</i>
StringParameter	description	<i>(description="Name of this product")</i>
StringParameter	instrument	<i>(description="Instrument attached to this product")</i>
StringParameter	modelName	<i>(description="Model name attached to this product")</i>
DateParameter	startDate	<i>(description="Start date of this product")</i>
DateParameter	endDate	<i>(description="End date of this product")</i>
StringParameter	aorLabel	<i>(description="AOR Label as entered in HSpot")</i>
StringParameter	aot	<i>(description="AOT Identifier")</i>
StringParameter	author	<i>(description="Author of the Data")</i>
StringParameter	cusMode	<i>(description="CUS observation mode")</i>
DoubleParameter	dec	<i>(description="Actual Declination of pointing")</i>
DoubleParameter	decNominal	<i>(description="Requested Declination of pointing")</i>
DoubleParameter	equinox	<i>(description="Equinox of celestial coordinate system")</i>
StringParameter	instMode	<i>(description="Instrument mode")</i>
StringParameter	fileName	<i>(description="file name for export")</i>
StringParameter	missionConfig	<i>(description="Mission configuration")</i>
StringParameter	naifId	<i>(description="SSO NAIF identifier")</i>
StringParameter	object	<i>(description="Target name")</i>
StringParameter	observer	<i>(description="Observer name")</i>
LongParameter	obsid	<i>(description="Observation identifier")</i>

StringParameter	obsMode (description="Observing mode")
LongParameter	odNumber (description="Operational day number")
StringParameter	pointingMode (description="Pointing mode")
DoubleParameter	posAngle (description="Position Angle of pointing")
StringParameter	proposal (description="Proposal name")
DoubleParameter	ra (description="Actual Right Ascension of pointing")
StringParameter	raDeSys (description="Coordinate reference frame for the RA and DEC")
DoubleParameter	raNominal (description="Requested Right Ascension of pointing")
StringParameter	telescope (description="Name of telescope")
StringParameter	subsystem (description="Instrument subsystem")
LongParameter	bbid (description="Building Block Identifier")
StringParameter	source (description="TM source packet name")
StringParameter	bbTypeName (description="Building block type name")
<i>table dataset</i>	(description="Signal timelines")
<i>Metadata</i>	
<i>DoubleId</i>	sampleTime (description="SpireDataFrame time", quantity="s")
<i>DoubleId</i>	encoderCoarse (description="SMECOPTENCPOSN", quantity="cm [0.01 m]")
<i>DoubleId</i>	encoderFine (description="SMECOPTENCFINEPOSN", quantity="cm [0.01 m]")
<i>IntId</i>	lvdtDCSignal (description="SMECSCANLVDTDCSIG", quantity="")
<i>DoubleId</i>	motorCurrent (description="SMECSCANMOTORCURR", quantity="A")
<i>IntId</i>	motorBemf (description="SMECSCANMOTORBEMF", quantity="")
<i>LongId</i>	transmTime (description="SMECTTIME", quantity="")
<i>table dataset</i>	(description="Mask timelines")
<i>Metadata</i>	
<i>DoubleId</i>	sampleTime (description="SpireDataFrame time", quantity="s")
<i>IntId</i>	encoderCoarse (description="SMECOPTENCPOSN", quantity="")
<i>IntId</i>	encoderFine (description="SMECOPTENCFINEPOSN", quantity="")
<i>IntId</i>	lvdtDCSignal (description="SMECSCANLVDTDCSIG", quantity="")
<i>IntId</i>	motorCurrent (description="SMECSCANMOTORCURR", quantity="")
<i>IntId</i>	motorBemf (description="SMECSCANMOTORBEMF", quantity="")
<i>IntId</i>	transmTime (description="SMECTTIME", quantity="")
<i>table dataset</i>	(description="Time quantities")
<i>Metadata</i>	
<i>LongId</i>	sdfTime (description="SpireDataFrame time", quantity="")
<i>LongId</i>	packetTime (description="TM packet time", quantity="")
<i>LongId</i>	seqCount (description="Sequence count", quantity="")
<i>LongId</i>	frameTime (description="SMECACQTIME", quantity="")

5.2.9. SCUT: Subsystem Control Unit Timeline

<i>product (type="SCUT", description="Subsystem Control Unit Timeline")</i>	
Metadata	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	aorLabel (description="AOR Label as entered in HSpot")
StringParameter	aot (description="AOT Identifier")
StringParameter	author (description="Author of the Data")
StringParameter	cusMode (description="null")
DoubleParameter	dec (description="Actual Declination of pointing")
DoubleParameter	decNominal (description="Requested Declination of pointing")
DoubleParameter	equinox (description="Equinox of celestial coordinate system")
StringParameter	instMode (description="null")
StringParameter	fileName (description="file name for export")
StringParameter	missionConfig (description="Mission configuration")
StringParameter	naifId (description="SSO NAIF identifier")
StringParameter	object (description="Target name")
StringParameter	observer (description="Observer name")
LongParameter	obsid (description="null")
StringParameter	obsMode (description="null")
LongParameter	odNumber (description="null")

StringParameter	pointingMode (description="Pointing mode")
DoubleParameter	posAngle (description="Position Angle of pointing")
StringParameter	proposal (description="Proposal name")
DoubleParameter	ra (description="Actual Right Ascension of pointing")
StringParameter	raDeSys (description="Coordinate reference frame for the RA and DEC")
DoubleParameter	raNominal (description="Requested Right Ascension of pointing")
StringParameter	telescope (description="Name of telescope")
StringParameter	subsystem (description="Instrument subsystem")
LongParameter	bbid (description="Building Block Identifier")
StringParameter	source (description="TM source packet name")
StringParameter	elecSide (description="Electronic side")
StringParameter	bbTypeName (description="Building block type name")
<i>table dataset</i>	(description="Signal timelines")
<i>Metadata</i>	
<i>DoubleId</i>	sampleTime (description="Sample time", quantity="TAI")
<i>DoubleId</i>	pumpHTemp (description="SCUPHTEMP", quantity="K")
<i>DoubleId</i>	pumpHSTemp (description="SCUPHSTEMP", quantity="K")
<i>DoubleId</i>	evapHSTemp (description="SCUEVHSTEMP", quantity="K")
<i>DoubleId</i>	shuntTemp (description="SCUSHUNTTEMP", quantity="K")
<i>DoubleId</i>	emcFilTemp (description="SCUEMCFILTEMP", quantity="K")
<i>DoubleId</i>	specL0Temp (description="SCUSL0TEMP", quantity="K")
<i>DoubleId</i>	photL0Temp (description="SCUPL0TEMP", quantity="K")
<i>DoubleId</i>	osbTemp (description="SCUOPTTEMP", quantity="K")
<i>DoubleId</i>	fpuBaffTemp (description="SCUBAFTEMP", quantity="K")
<i>DoubleId</i>	bsmIntTemp (description="SCUBSMIFTEMP", quantity="K")
<i>DoubleId</i>	scal2Temp (description="SCUSCAL2TEMP", quantity="K")
<i>DoubleId</i>	scal4Temp (description="SCUSCAL4TEMP", quantity="K")
<i>DoubleId</i>	scalFlanTemp (description="SCUSCALTEMP", quantity="K")
<i>DoubleId</i>	smecIntTemp (description="SCUSMECIFTEMP", quantity="K")
<i>DoubleId</i>	smecTemp (description="SCUSMECTEMP", quantity="K")
<i>DoubleId</i>	bsmTemp (description="SCUBSMTEMP", quantity="K")
<i>DoubleId</i>	ceSubKTemp (description="SCUSUBKTEMP", quantity="K")
<i>DoubleId</i>	tchVolt (description="SCUTCHTRV", quantity="V")

	<i>Double1d</i>	pcalCurr (description="SCUPCALCURR", quantity="A")
	<i>Double1d</i>	pcalVolt (description="SCUPCALV", quantity="V")
	<i>Double1d</i>	scal2Curr (description="SCUSCAL2CURR", quantity="A")
	<i>Double1d</i>	scal2Volt (description="SCUSCAL2V", quantity="V")
	<i>Double1d</i>	scal4Curr (description="SCUSCAL4CURR", quantity="A")
	<i>Double1d</i>	scal4Volt (description="SCUSCAL4V", quantity="V")
	<i>Int1d</i>	adcFlags (description="SCUADC_FLAGS", quantity="")
<i>table dataset</i>	(description="Mask timelines")	
<i>Metadata</i>		
	<i>Double1d</i>	sampleTime (description="Sample time", quantity="TAI")
	<i>Int1d</i>	pumpHTemp (description="SCUPHTEMP", quantity="")
	<i>Int1d</i>	pumpHSTemp (description="SCUPHSTEMP", quantity="")
	<i>Int1d</i>	evapHSTemp (description="SCUEVHSTEMP", quantity="")
	<i>Int1d</i>	shuntTemp (description="SCUSHUNTTEMP", quantity="")
	<i>Int1d</i>	emcFilTemp (description="SCUEMCFILTEMP", quantity="")
	<i>Int1d</i>	specL0Temp (description="SCUSL0TEMP", quantity="")
	<i>Int1d</i>	photL0Temp (description="SCUPL0TEMP", quantity="")
	<i>Int1d</i>	osbTemp (description="SCUOPTTEMP", quantity="")
	<i>Int1d</i>	fpuBaffTemp (description="SCUBAFTEMP", quantity="")
	<i>Int1d</i>	bsmIntTemp (description="SCUBSMIFTEMP", quantity="")
	<i>Int1d</i>	scal2Temp (description="SCUSCAL2TEMP", quantity="")
	<i>Int1d</i>	scal4Temp (description="SCUSCAL4TEMP", quantity="")
	<i>Int1d</i>	scalFlanTemp (description="SCUSCALTEMP", quantity="")
	<i>Int1d</i>	smecIntTemp (description="SCUSMECIFTEMP", quantity="")
	<i>Int1d</i>	smecTemp (description="SCUSMECTEMP", quantity="")
	<i>Int1d</i>	bsmTemp (description="SCUBSMTEMP", quantity="")
	<i>Int1d</i>	ceSubKTemp (description="SCUSUBKTEMP", quantity="")
	<i>Int1d</i>	tchVolt (description="SCUTCHTRV", quantity="")
	<i>Int1d</i>	pcalCurr (description="SCUPCALCURR", quantity="")
	<i>Int1d</i>	pcalVolt (description="SCUPCALV", quantity="")
	<i>Int1d</i>	scal2Curr (description="SCUSCAL2CURR", quantity="")
	<i>Int1d</i>	scal2Volt (description="SCUSCAL2V", quantity="")
	<i>Int1d</i>	scal4Curr (description="SCUSCAL4CURR", quantity="")
	<i>Int1d</i>	scal4Volt (description="SCUSCAL4V", quantity="")
	<i>Int1d</i>	adcFlags (description="SCUADC_FLAGS", quantity="")
<i>compos-ite</i>	(description="History of product")	
<i>Metadata</i>		
	<i>LongParameter</i>	id (description="Unique ID")
<i>table dataset</i>	(description="History as Jython script")	

<i>Metadata</i>	
StringParameter	outvar (description="last output variable")
StringId	Lines (description="script lines", quantity="none")
table dataset	(description="History of tasks")
<i>Metadata</i>	
LongId	ID (description="Links the parameter and task table", quantity="none")
StringId	Name (description="The name of the task", quantity="none")
LongId	ExecDate (description="Time of execution (FINETIME)", quantity="none")
BoolId	Succeeded (description="Flag for success/failed", quantity="none")
LongId	HistoryId (description="Id of current history", quantity="none")
table dataset	(description="The parameters belonging to the task history")
<i>Metadata</i>	
LongId	TaskID (description="Links the parameter and task table", quantity="none")
StringId	Name (description="The name of the parameter", quantity="none")
StringId	Type (description="Type of parameter", quantity="none")
StringId	Value (description="String representation of the parameter value", quantity="none")
BoolId	IsDefault (description="True if the default value has been used", quantity="none")
LongId	IncHistoryId (description="ID of the history of an included product", quantity="none")
IntId	IncNumTask (description="Number of tasks to include from history", quantity="none")
LongId	HistoryId (description="Id of current history", quantity="none")
BoolId	UserInput (description="Needs user input", quantity="none")

5.3. SPIRE Level-1 Products

5.3.1. APPP: Averaged Pointed Photometer Product

<i>product (type="APPP", description="Averaged Pointed Photometer Product")</i>	
<i>Meta-data</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")

StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start Date")
DateParameter	endDate (description="End Date")
StringParameter	aorLabel (description="AOR Label as entered in HSpot")
StringParameter	aot (description="AOT Identifier")
StringParameter	author (description="Author of the Data")
StringParameter	cusMode (description="CUS observation mode")
DoubleParameter	dec (description="Actual Declination of pointing")
DoubleParameter	decNominal (description="Requested Declination of pointing")
DoubleParameter	equinox (description="Equinox of celestial coordinate system")
StringParameter	instMode (description="Instrument mode")
StringParameter	fileName (description="Name of exported file")
StringParameter	missionConfig (description="Mission configuration")
StringParameter	naifId (description="SSO NAIF identifier")
StringParameter	object (description="Target name")
StringParameter	observer (description="Observer name")
LongParameter	obsid (description="null")
StringParameter	obsMode (description="null")
LongParameter	odNumber (description="Operational day number")
StringParameter	pointingMode (description="Pointing mode")
DoubleParameter	posAngle (description="Position Angle of pointing")
StringParameter	proposal (description="Proposal name")
DoubleParameter	ra (description="Actual Right Ascension of pointing")
StringParameter	raDeSys (description="Coordinate reference frame for the RA and DEC")

DoubleParameter	raNominal (description="Requested Right Ascension of pointing")
StringParameter	telescope (description="Name of telescope")
StringParameter	subsystem (description="Instrument subsystem")
LongParameter	bbid (description="Building Block Identifier")
StringParameter	source (description="TM source packet name")
DoubleParameter	biasFreq (description="Bias frequency")
LongParameter	denodDropped (description="Number of pixel/jiggle position where a complete AB-BA is not found")
LongParameter	rasterId (description="Raster id")
StringParameter	wcsType (description="Type of Coordinate System")
StringParameter	wcsReference (description="Reference of Coordinate System")
BooleanParameter	OpticalCrosstalkCorrectionDone (description="null")
StringParameter	operator (description="null")
LongParameter	denodGlitchNumber (description="null")
DoubleParameter	denodGlitchFraction (description="null")
<i>table</i>	(description="signal")
<i>dataset</i>	
<i>Metadata</i>	
<i>ByteId</i>	jiggId (description="null", quantity="none")
<i>DoubleId</i>	PSWF1 (description="null", quantity="none")
<i>DoubleId</i>	PMWC9 (description="null", quantity="none")
<i>DoubleId</i>	PMWC8 (description="null", quantity="none")
<i>DoubleId</i>	PSWE6 (description="null", quantity="none")
<i>DoubleId</i>	PLWE2 (description="null", quantity="none")
<i>DoubleId</i>	PMWC7 (description="null", quantity="none")
<i>DoubleId</i>	PSWE5 (description="null", quantity="none")
<i>DoubleId</i>	PLWE3 (description="null", quantity="none")
<i>DoubleId</i>	PMWC6 (description="null", quantity="none")
<i>DoubleId</i>	PSWE8 (description="null", quantity="none")
<i>DoubleId</i>	PLWE4 (description="null", quantity="none")
<i>DoubleId</i>	PMWC5 (description="null", quantity="none")
<i>DoubleId</i>	PSWE7 (description="null", quantity="none")
<i>DoubleId</i>	PLWE5 (description="null", quantity="none")

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<i>Double1d</i>	PLWE6 (description="null", quantity="none")
<i>Double1d</i>	PSWE2 (description="null", quantity="none")
<i>Double1d</i>	PMWC4 (description="null", quantity="none")
<i>Double1d</i>	PLWE7 (description="null", quantity="none")
<i>Double1d</i>	PSWE1 (description="null", quantity="none")
<i>Double1d</i>	PMWC3 (description="null", quantity="none")
<i>Double1d</i>	PLWE8 (description="null", quantity="none")
<i>Double1d</i>	PSWE4 (description="null", quantity="none")
<i>Double1d</i>	PMWC2 (description="null", quantity="none")
<i>Double1d</i>	PSWE3 (description="null", quantity="none")
<i>Double1d</i>	PMWC1 (description="null", quantity="none")
<i>Double1d</i>	PLWE9 (description="null", quantity="none")
<i>Double1d</i>	PSWE9 (description="null", quantity="none")
<i>Double1d</i>	PLWE1 (description="null", quantity="none")
<i>Double1d</i>	PSWG1 (description="null", quantity="none")
<i>Double1d</i>	PSWG2 (description="null", quantity="none")
<i>Double1d</i>	PMWD7 (description="null", quantity="none")
<i>Double1d</i>	PSWF9 (description="null", quantity="none")
<i>Double1d</i>	PLWD3 (description="null", quantity="none")
<i>Double1d</i>	PMWD6 (description="null", quantity="none")
<i>Double1d</i>	PSWF8 (description="null", quantity="none")
<i>Double1d</i>	PLWD4 (description="null", quantity="none")
<i>Double1d</i>	PMWD9 (description="null", quantity="none")
<i>Double1d</i>	PSWF7 (description="null", quantity="none")
<i>Double1d</i>	PLWD1 (description="null", quantity="none")
<i>Double1d</i>	PMWD8 (description="null", quantity="none")
<i>Double1d</i>	PSWF6 (description="null", quantity="none")
<i>Double1d</i>	PLWD2 (description="null", quantity="none")
<i>Double1d</i>	PMWD3 (description="null", quantity="none")
<i>Double1d</i>	PSWF5 (description="null", quantity="none")
<i>Double1d</i>	PLWD7 (description="null", quantity="none")
<i>Double1d</i>	PMWD2 (description="null", quantity="none")
<i>Double1d</i>	PSWF4 (description="null", quantity="none")
<i>Double1d</i>	PLWD8 (description="null", quantity="none")
<i>Double1d</i>	PLWD5 (description="null", quantity="none")
<i>Double1d</i>	PSWF3 (description="null", quantity="none")
<i>Double1d</i>	PMWD5 (description="null", quantity="none")
<i>Double1d</i>	PLWD6 (description="null", quantity="none")
<i>Double1d</i>	PSWF2 (description="null", quantity="none")
<i>Double1d</i>	PMWD4 (description="null", quantity="none")
<i>Double1d</i>	PMWD1 (description="null", quantity="none")
<i>Double1d</i>	PMWA9 (description="null", quantity="none")

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<i>Double1d</i>	PMWA7 (description="null", quantity="none")
<i>Double1d</i>	PMWA8 (description="null", quantity="none")
<i>Double1d</i>	PMWA2 (description="null", quantity="none")
<i>Double1d</i>	PMWA1 (description="null", quantity="none")
<i>Double1d</i>	PSWC2 (description="null", quantity="none")
<i>Double1d</i>	PSWC1 (description="null", quantity="none")
<i>Double1d</i>	PSWC4 (description="null", quantity="none")
<i>Double1d</i>	PMWA6 (description="null", quantity="none")
<i>Double1d</i>	PSWC3 (description="null", quantity="none")
<i>Double1d</i>	PMWB10 (description="null", quantity="none")
<i>Double1d</i>	PMWA5 (description="null", quantity="none")
<i>Double1d</i>	PSWC6 (description="null", quantity="none")
<i>Double1d</i>	PMWA12 (description="null", quantity="none")
<i>Double1d</i>	PMWA4 (description="null", quantity="none")
<i>Double1d</i>	PMWA13 (description="null", quantity="none")
<i>Double1d</i>	PSWC5 (description="null", quantity="none")
<i>Double1d</i>	PMWA3 (description="null", quantity="none")
<i>Double1d</i>	PSWC8 (description="null", quantity="none")
<i>Double1d</i>	PMWA10 (description="null", quantity="none")
<i>Double1d</i>	PSWC7 (description="null", quantity="none")
<i>Double1d</i>	PMWA11 (description="null", quantity="none")
<i>Double1d</i>	PMWB11 (description="null", quantity="none")
<i>Double1d</i>	PSWC9 (description="null", quantity="none")
<i>Double1d</i>	PMWB12 (description="null", quantity="none")
<i>Double1d</i>	PMWE13 (description="null", quantity="none")
<i>Double1d</i>	PMWE12 (description="null", quantity="none")
<i>Double1d</i>	PMWE11 (description="null", quantity="none")
<i>Double1d</i>	PMWE10 (description="null", quantity="none")
<i>Double1d</i>	PMWB8 (description="null", quantity="none")
<i>Double1d</i>	PMWB9 (description="null", quantity="none")
<i>Double1d</i>	PMWF10 (description="null", quantity="none")
<i>Double1d</i>	PMWF12 (description="null", quantity="none")
<i>Double1d</i>	PMWF11 (description="null", quantity="none")
<i>Double1d</i>	PSWD3 (description="null", quantity="none")
<i>Double1d</i>	PMWB1 (description="null", quantity="none")
<i>Double1d</i>	PSWD2 (description="null", quantity="none")
<i>Double1d</i>	PSWD1 (description="null", quantity="none")
<i>Double1d</i>	PMWB3 (description="null", quantity="none")
<i>Double1d</i>	PMWB2 (description="null", quantity="none")
<i>Double1d</i>	PSWD7 (description="null", quantity="none")
<i>Double1d</i>	PMWB5 (description="null", quantity="none")
<i>Double1d</i>	PMWB4 (description="null", quantity="none")

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<i>Double1d</i>	PSWD6 (description="null", quantity="none")
<i>Double1d</i>	PMWB7 (description="null", quantity="none")
<i>Double1d</i>	PSWD5 (description="null", quantity="none")
<i>Double1d</i>	PMWB6 (description="null", quantity="none")
<i>Double1d</i>	PSWD4 (description="null", quantity="none")
<i>Double1d</i>	PSWD9 (description="null", quantity="none")
<i>Double1d</i>	PSWD8 (description="null", quantity="none")
<i>Double1d</i>	PSWJ3 (description="null", quantity="none")
<i>Double1d</i>	PLWA6 (description="null", quantity="none")
<i>Double1d</i>	PSWJ2 (description="null", quantity="none")
<i>Double1d</i>	PLWA7 (description="null", quantity="none")
<i>Double1d</i>	PSWJ5 (description="null", quantity="none")
<i>Double1d</i>	PLWA8 (description="null", quantity="none")
<i>Double1d</i>	PSWJ4 (description="null", quantity="none")
<i>Double1d</i>	PLWA9 (description="null", quantity="none")
<i>Double1d</i>	PSWJ1 (description="null", quantity="none")
<i>Double1d</i>	PLWA1 (description="null", quantity="none")
<i>Double1d</i>	PLWA3 (description="null", quantity="none")
<i>Double1d</i>	PLWA2 (description="null", quantity="none")
<i>Double1d</i>	PLWA5 (description="null", quantity="none")
<i>Double1d</i>	PLWA4 (description="null", quantity="none")
<i>Double1d</i>	PSWJ8 (description="null", quantity="none")
<i>Double1d</i>	PSWJ9 (description="null", quantity="none")
<i>Double1d</i>	PSWJ6 (description="null", quantity="none")
<i>Double1d</i>	PSWJ7 (description="null", quantity="none")
<i>Double1d</i>	PSWH16 (description="null", quantity="none")
<i>Double1d</i>	PSWD10 (description="null", quantity="none")
<i>Double1d</i>	PSWH15 (description="null", quantity="none")
<i>Double1d</i>	PSWH1 (description="null", quantity="none")
<i>Double1d</i>	PLWC8 (description="null", quantity="none")
<i>Double1d</i>	PLWC9 (description="null", quantity="none")
<i>Double1d</i>	PSWH3 (description="null", quantity="none")
<i>Double1d</i>	PSWH2 (description="null", quantity="none")
<i>Double1d</i>	PSWH10 (description="null", quantity="none")
<i>Double1d</i>	PSWH14 (description="null", quantity="none")
<i>Double1d</i>	PSWH13 (description="null", quantity="none")
<i>Double1d</i>	PSWH12 (description="null", quantity="none")
<i>Double1d</i>	PSWH11 (description="null", quantity="none")
<i>Double1d</i>	PSWD15 (description="null", quantity="none")
<i>Double1d</i>	PSWG3 (description="null", quantity="none")
<i>Double1d</i>	PLWC5 (description="null", quantity="none")
<i>Double1d</i>	PSWD16 (description="null", quantity="none")

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<i>Double1d</i>	PSWG4 (description="null", quantity="none")
<i>Double1d</i>	PLWC4 (description="null", quantity="none")
<i>Double1d</i>	PSWG5 (description="null", quantity="none")
<i>Double1d</i>	PLWC7 (description="null", quantity="none")
<i>Double1d</i>	PSWG6 (description="null", quantity="none")
<i>Double1d</i>	PLWC6 (description="null", quantity="none")
<i>Double1d</i>	PSWD11 (description="null", quantity="none")
<i>Double1d</i>	PSWG7 (description="null", quantity="none")
<i>Double1d</i>	PLWC1 (description="null", quantity="none")
<i>Double1d</i>	PSWD12 (description="null", quantity="none")
<i>Double1d</i>	PSWG8 (description="null", quantity="none")
<i>Double1d</i>	PSWD13 (description="null", quantity="none")
<i>Double1d</i>	PSWG9 (description="null", quantity="none")
<i>Double1d</i>	PLWC3 (description="null", quantity="none")
<i>Double1d</i>	PSWD14 (description="null", quantity="none")
<i>Double1d</i>	PLWC2 (description="null", quantity="none")
<i>Double1d</i>	PLWB7 (description="null", quantity="none")
<i>Double1d</i>	PLWB8 (description="null", quantity="none")
<i>Double1d</i>	PSWH6 (description="null", quantity="none")
<i>Double1d</i>	PLWB6 (description="null", quantity="none")
<i>Double1d</i>	PSWH7 (description="null", quantity="none")
<i>Double1d</i>	PLWB5 (description="null", quantity="none")
<i>Double1d</i>	PSWH4 (description="null", quantity="none")
<i>Double1d</i>	PLWB4 (description="null", quantity="none")
<i>Double1d</i>	PSWH5 (description="null", quantity="none")
<i>Double1d</i>	PLWB3 (description="null", quantity="none")
<i>Double1d</i>	PLWB2 (description="null", quantity="none")
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<i>Double1d</i>	PMWF1 (description="null", quantity="none")
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<i>Double1d</i>	PSWG15 (description="null", quantity="none")
<i>Double1d</i>	PMWG6 (description="null", quantity="none")
<i>Double1d</i>	PSWG12 (description="null", quantity="none")
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<i>Double1d</i>	PSWA8 (description="null", quantity="none")
<i>Double1d</i>	PSWA5 (description="null", quantity="none")
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<i>DoubleId</i>	PSWJ14 (description="null", quantity="none")
<i>DoubleId</i>	PSWJ15 (description="null", quantity="none")
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<i>DoubleId</i>	PMWC7 (description="null", quantity="none")
<i>DoubleId</i>	PSWE5 (description="null", quantity="none")
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<i>DoubleId</i>	PSWE7 (description="null", quantity="none")
<i>DoubleId</i>	PLWE5 (description="null", quantity="none")

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<i>Double1d</i>	PLWE7 (description="null", quantity="none")
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<i>Double1d</i>	PMWD6 (description="null", quantity="none")
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<i>Double1d</i>	PMWD9 (description="null", quantity="none")
<i>Double1d</i>	PSWF7 (description="null", quantity="none")
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<i>Double1d</i>	PLWD7 (description="null", quantity="none")
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<i>Double1d</i>	PSWF4 (description="null", quantity="none")
<i>Double1d</i>	PLWD8 (description="null", quantity="none")
<i>Double1d</i>	PLWD5 (description="null", quantity="none")
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<i>Double1d</i>	PMWD5 (description="null", quantity="none")
<i>Double1d</i>	PLWD6 (description="null", quantity="none")
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SPIRE Observational Products

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<i>Double1d</i>	PMWA3 (description="null", quantity="none")
<i>Double1d</i>	PSWC8 (description="null", quantity="none")
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<i>Double1d</i>	PSWC7 (description="null", quantity="none")
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<i>Double1d</i>	PMWB6 (description="null", quantity="none")
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<i>Double1d</i>	PSWD8 (description="null", quantity="none")
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<i>Double1d</i>	PLWA4 (description="null", quantity="none")
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<i>Double1d</i>	PSWJ6 (description="null", quantity="none")
<i>Double1d</i>	PSWJ7 (description="null", quantity="none")
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<i>Double1d</i>	PSWG8 (description="null", quantity="none")
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<i>Double1d</i>	PLWB8 (description="null", quantity="none")
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<i>Double1d</i>	PLWB6 (description="null", quantity="none")
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<i>Double1d</i>	PMWE5 (description="null", quantity="none")
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<i>Double1d</i>	PSWA14 (description="null", quantity="none")
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<i>Double1d</i>	PMWG4 (description="null", quantity="none")
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<i>Double1d</i>	PSWB9 (description="null", quantity="none")
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<i>Double1d</i>	PSWB10 (description="null", quantity="none")
<i>Double1d</i>	PSWJ10 (description="null", quantity="none")
<i>Double1d</i>	PSWJ11 (description="null", quantity="none")
<i>Double1d</i>	PSWJ12 (description="null", quantity="none")
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<i>Double1d</i>	PSWF11 (description="null", quantity="none")
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<i>DoubleId</i>	PSWE7 (description="null", quantity="none")
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<i>DoubleId</i>	PSWE2 (description="null", quantity="none")
<i>DoubleId</i>	PMWC4 (description="null", quantity="none")
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<i>DoubleId</i>	PMWC3 (description="null", quantity="none")
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SPIRE Observational Products

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<i>Double1d</i>	PSWC7 (description="null", quantity="none")
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SPIRE Observational Products

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<i>Double1d</i>	PSWD1 (description="null", quantity="none")
<i>Double1d</i>	PMWB3 (description="null", quantity="none")
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<i>Double1d</i>	PSWD7 (description="null", quantity="none")
<i>Double1d</i>	PMWB5 (description="null", quantity="none")
<i>Double1d</i>	PMWB4 (description="null", quantity="none")

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<i>Double1d</i>	PSWD6 (description="null", quantity="none")
<i>Double1d</i>	PMWB7 (description="null", quantity="none")
<i>Double1d</i>	PSWD5 (description="null", quantity="none")
<i>Double1d</i>	PMWB6 (description="null", quantity="none")
<i>Double1d</i>	PSWD4 (description="null", quantity="none")
<i>Double1d</i>	PSWD9 (description="null", quantity="none")
<i>Double1d</i>	PSWD8 (description="null", quantity="none")
<i>Double1d</i>	PSWJ3 (description="null", quantity="none")
<i>Double1d</i>	PLWA6 (description="null", quantity="none")
<i>Double1d</i>	PSWJ2 (description="null", quantity="none")
<i>Double1d</i>	PLWA7 (description="null", quantity="none")
<i>Double1d</i>	PSWJ5 (description="null", quantity="none")
<i>Double1d</i>	PLWA8 (description="null", quantity="none")
<i>Double1d</i>	PSWJ4 (description="null", quantity="none")
<i>Double1d</i>	PLWA9 (description="null", quantity="none")
<i>Double1d</i>	PSWJ1 (description="null", quantity="none")
<i>Double1d</i>	PLWA1 (description="null", quantity="none")
<i>Double1d</i>	PLWA3 (description="null", quantity="none")
<i>Double1d</i>	PLWA2 (description="null", quantity="none")
<i>Double1d</i>	PLWA5 (description="null", quantity="none")
<i>Double1d</i>	PLWA4 (description="null", quantity="none")
<i>Double1d</i>	PSWJ8 (description="null", quantity="none")
<i>Double1d</i>	PSWJ9 (description="null", quantity="none")
<i>Double1d</i>	PSWJ6 (description="null", quantity="none")
<i>Double1d</i>	PSWJ7 (description="null", quantity="none")
<i>Double1d</i>	PSWH16 (description="null", quantity="none")
<i>Double1d</i>	PSWD10 (description="null", quantity="none")
<i>Double1d</i>	PSWH15 (description="null", quantity="none")
<i>Double1d</i>	PSWH1 (description="null", quantity="none")
<i>Double1d</i>	PLWC8 (description="null", quantity="none")
<i>Double1d</i>	PLWC9 (description="null", quantity="none")
<i>Double1d</i>	PSWH3 (description="null", quantity="none")
<i>Double1d</i>	PSWH2 (description="null", quantity="none")
<i>Double1d</i>	PSWH10 (description="null", quantity="none")
<i>Double1d</i>	PSWH14 (description="null", quantity="none")
<i>Double1d</i>	PSWH13 (description="null", quantity="none")
<i>Double1d</i>	PSWH12 (description="null", quantity="none")
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<i>Double1d</i>	PSWG3 (description="null", quantity="none")
<i>Double1d</i>	PLWC5 (description="null", quantity="none")
<i>Double1d</i>	PSWD16 (description="null", quantity="none")

SPIRE Observational Products

<i>Double1d</i>	PSWG4 (description="null", quantity="none")
<i>Double1d</i>	PLWC4 (description="null", quantity="none")
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<i>Double1d</i>	PLWC7 (description="null", quantity="none")
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<i>Double1d</i>	PLWC6 (description="null", quantity="none")
<i>Double1d</i>	PSWD11 (description="null", quantity="none")
<i>Double1d</i>	PSWG7 (description="null", quantity="none")
<i>Double1d</i>	PLWC1 (description="null", quantity="none")
<i>Double1d</i>	PSWD12 (description="null", quantity="none")
<i>Double1d</i>	PSWG8 (description="null", quantity="none")
<i>Double1d</i>	PSWD13 (description="null", quantity="none")
<i>Double1d</i>	PSWG9 (description="null", quantity="none")
<i>Double1d</i>	PLWC3 (description="null", quantity="none")
<i>Double1d</i>	PSWD14 (description="null", quantity="none")
<i>Double1d</i>	PLWC2 (description="null", quantity="none")
<i>Double1d</i>	PLWB7 (description="null", quantity="none")
<i>Double1d</i>	PLWB8 (description="null", quantity="none")
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<i>Double1d</i>	PLWB6 (description="null", quantity="none")
<i>Double1d</i>	PSWH7 (description="null", quantity="none")
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<i>Double1d</i>	PLWB4 (description="null", quantity="none")
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<i>Double1d</i>	PMWF3 (description="null", quantity="none")
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<i>Double1d</i>	PMWF1 (description="null", quantity="none")
<i>Double1d</i>	PSWC15 (description="null", quantity="none")
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<i>Double1d</i>	PSWC12 (description="null", quantity="none")
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<i>Double1d</i>	PMWE5 (description="null", quantity="none")
<i>Double1d</i>	PMWE6 (description="null", quantity="none")
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<i>Double1d</i>	PSWE14 (description="null", quantity="none")
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<i>Double1d</i>	PMWC12 (description="null", quantity="none")
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<i>Double1d</i>	PMWC13 (description="null", quantity="none")
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<i>Double1d</i>	PMWC11 (description="null", quantity="none")
<i>Double1d</i>	PSWG14 (description="null", quantity="none")
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<i>Double1d</i>	PMWG8 (description="null", quantity="none")
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<i>Double1d</i>	PMWG2 (description="null", quantity="none")
<i>Double1d</i>	PMWG3 (description="null", quantity="none")
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<i>Double1d</i>	PSWB9 (description="null", quantity="none")
<i>Double1d</i>	PSWB1 (description="null", quantity="none")
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<i>Double1d</i>	PSWB3 (description="null", quantity="none")
<i>Double1d</i>	PSWB4 (description="null", quantity="none")
<i>Double1d</i>	PSWB5 (description="null", quantity="none")
<i>Double1d</i>	PSWA7 (description="null", quantity="none")
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<i>Double1d</i>	PSWA5 (description="null", quantity="none")
<i>Double1d</i>	PSWA6 (description="null", quantity="none")
<i>Double1d</i>	PSWB15 (description="null", quantity="none")
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<i>Double1d</i>	PSWB13 (description="null", quantity="none")
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<i>Double1d</i>	PSWA3 (description="null", quantity="none")
<i>Double1d</i>	PSWA4 (description="null", quantity="none")
<i>Double1d</i>	PSWA1 (description="null", quantity="none")
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<i>Double1d</i>	PSWB12 (description="null", quantity="none")
<i>Double1d</i>	PSWB11 (description="null", quantity="none")
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<i>Double1d</i>	PSWJ11 (description="null", quantity="none")
<i>Double1d</i>	PSWJ12 (description="null", quantity="none")
<i>Double1d</i>	PSWJ13 (description="null", quantity="none")
<i>Double1d</i>	PSWJ14 (description="null", quantity="none")
<i>Double1d</i>	PSWJ15 (description="null", quantity="none")
<i>Double1d</i>	PSWF12 (description="null", quantity="none")
<i>Double1d</i>	PSWF11 (description="null", quantity="none")
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<i>DoubleId</i>	PSWF16 (description="null", quantity="none")
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<i>DoubleId</i>	PSWF14 (description="null", quantity="none")
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<i>DoubleId</i>	PMWC9 (description="null", quantity="none")
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<i>DoubleId</i>	PSWE5 (description="null", quantity="none")
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<i>DoubleId</i>	PSWE8 (description="null", quantity="none")
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<i>DoubleId</i>	PMWC5 (description="null", quantity="none")
<i>DoubleId</i>	PSWE7 (description="null", quantity="none")
<i>DoubleId</i>	PLWE5 (description="null", quantity="none")
<i>DoubleId</i>	PLWE6 (description="null", quantity="none")
<i>DoubleId</i>	PSWE2 (description="null", quantity="none")
<i>DoubleId</i>	PMWC4 (description="null", quantity="none")
<i>DoubleId</i>	PLWE7 (description="null", quantity="none")
<i>DoubleId</i>	PSWE1 (description="null", quantity="none")
<i>DoubleId</i>	PMWC3 (description="null", quantity="none")
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<i>DoubleId</i>	PMWC2 (description="null", quantity="none")
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<i>DoubleId</i>	PMWC1 (description="null", quantity="none")
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<i>DoubleId</i>	PSWE9 (description="null", quantity="none")
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<i>DoubleId</i>	PSWG1 (description="null", quantity="none")
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<i>Double1d</i>	PLWD4 (description="null", quantity="none")
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<i>Double1d</i>	PSWF7 (description="null", quantity="none")
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<i>Double1d</i>	PLWD2 (description="null", quantity="none")
<i>Double1d</i>	PMWD3 (description="null", quantity="none")
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<i>Double1d</i>	PSWF3 (description="null", quantity="none")
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<i>Double1d</i>	PLWD6 (description="null", quantity="none")
<i>Double1d</i>	PSWF2 (description="null", quantity="none")
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<i>Double1d</i>	PMWD1 (description="null", quantity="none")
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<i>Double1d</i>	PMWA7 (description="null", quantity="none")
<i>Double1d</i>	PMWA8 (description="null", quantity="none")
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<i>Double1d</i>	PSWC1 (description="null", quantity="none")
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<i>Double1d</i>	PMWA6 (description="null", quantity="none")
<i>Double1d</i>	PSWC3 (description="null", quantity="none")
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<i>Double1d</i>	PMWA5 (description="null", quantity="none")
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<i>Double1d</i>	PMWA13 (description="null", quantity="none")
<i>Double1d</i>	PSWC5 (description="null", quantity="none")
<i>Double1d</i>	PMWA3 (description="null", quantity="none")
<i>Double1d</i>	PSWC8 (description="null", quantity="none")
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<i>Double1d</i>	PMWB11 (description="null", quantity="none")
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<i>Double1d</i>	PMWB8 (description="null", quantity="none")
<i>Double1d</i>	PMWB9 (description="null", quantity="none")
<i>Double1d</i>	PMWF10 (description="null", quantity="none")
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<i>Double1d</i>	PMWF11 (description="null", quantity="none")
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<i>Double1d</i>	PMWB7 (description="null", quantity="none")
<i>Double1d</i>	PSWD5 (description="null", quantity="none")
<i>Double1d</i>	PMWB6 (description="null", quantity="none")
<i>Double1d</i>	PSWD4 (description="null", quantity="none")
<i>Double1d</i>	PSWD9 (description="null", quantity="none")
<i>Double1d</i>	PSWD8 (description="null", quantity="none")
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<i>Double1d</i>	PLWA6 (description="null", quantity="none")
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<i>Double1d</i>	PLWA7 (description="null", quantity="none")
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<i>Double1d</i>	PSWJ4 (description="null", quantity="none")
<i>Double1d</i>	PLWA9 (description="null", quantity="none")
<i>Double1d</i>	PSWJ1 (description="null", quantity="none")
<i>Double1d</i>	PLWA1 (description="null", quantity="none")
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<i>Double1d</i>	PSWJ8 (description="null", quantity="none")
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<i>Double1d</i>	PSWJ7 (description="null", quantity="none")
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<i>Double1d</i>	PLWC9 (description="null", quantity="none")
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<i>Double1d</i>	PSWH12 (description="null", quantity="none")
<i>Double1d</i>	PSWH11 (description="null", quantity="none")
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<i>Double1d</i>	PSWG3 (description="null", quantity="none")
<i>Double1d</i>	PLWC5 (description="null", quantity="none")
<i>Double1d</i>	PSWD16 (description="null", quantity="none")
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<i>Double1d</i>	PLWC7 (description="null", quantity="none")
<i>Double1d</i>	PSWG6 (description="null", quantity="none")
<i>Double1d</i>	PLWC6 (description="null", quantity="none")
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<i>Double1d</i>	PSWG9 (description="null", quantity="none")
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<i>IntId</i>	PMWG4 (description="null", quantity="none")
<i>IntId</i>	PSWB6 (description="null", quantity="none")
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<i>IntId</i>	PSWB8 (description="null", quantity="none")
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<i>IntId</i>	PSWA7 (description="null", quantity="none")
<i>IntId</i>	PSWA8 (description="null", quantity="none")
<i>IntId</i>	PSWA5 (description="null", quantity="none")
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<i>IntId</i>	PSWB13 (description="null", quantity="none")
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<i>IntId</i>	PSWA3 (description="null", quantity="none")
<i>IntId</i>	PSWA4 (description="null", quantity="none")
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<i>IntId</i>	PSWA2 (description="null", quantity="none")
<i>IntId</i>	PSWB12 (description="null", quantity="none")
<i>IntId</i>	PSWB11 (description="null", quantity="none")
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<i>IntId</i>	PSWJ11 (description="null", quantity="none")
<i>IntId</i>	PSWJ12 (description="null", quantity="none")
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<i>IntId</i>	PSWJ14 (description="null", quantity="none")
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<i>Metadata</i>	
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<i>Double1d</i>	PLWE3 (description="null", quantity="none")
<i>Double1d</i>	PMWC6 (description="null", quantity="none")
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<i>Double1d</i>	PMWC5 (description="null", quantity="none")
<i>Double1d</i>	PSWE7 (description="null", quantity="none")
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<i>Double1d</i>	PMWC3 (description="null", quantity="none")
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<i>Double1d</i>	PMWD7 (description="null", quantity="none")
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<i>Double1d</i>	PLWD3 (description="null", quantity="none")
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<i>Double1d</i>	PLWD4 (description="null", quantity="none")
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<i>Double1d</i>	PLWD7 (description="null", quantity="none")
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<i>Double1d</i>	PSWF4 (description="null", quantity="none")
<i>Double1d</i>	PLWD8 (description="null", quantity="none")
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<i>Double1d</i>	PMWD5 (description="null", quantity="none")
<i>Double1d</i>	PLWD6 (description="null", quantity="none")
<i>Double1d</i>	PSWF2 (description="null", quantity="none")
<i>Double1d</i>	PMWD4 (description="null", quantity="none")
<i>Double1d</i>	PMWD1 (description="null", quantity="none")
<i>Double1d</i>	PMWA9 (description="null", quantity="none")
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<i>Double1d</i>	PMWA8 (description="null", quantity="none")
<i>Double1d</i>	PMWA2 (description="null", quantity="none")
<i>Double1d</i>	PMWA1 (description="null", quantity="none")
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<i>Double1d</i>	PSWC4 (description="null", quantity="none")
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<i>Double1d</i>	PMWA13 (description="null", quantity="none")
<i>Double1d</i>	PSWC5 (description="null", quantity="none")
<i>Double1d</i>	PMWA3 (description="null", quantity="none")
<i>Double1d</i>	PSWC8 (description="null", quantity="none")
<i>Double1d</i>	PMWA10 (description="null", quantity="none")
<i>Double1d</i>	PSWC7 (description="null", quantity="none")
<i>Double1d</i>	PMWA11 (description="null", quantity="none")

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<i>Double1d</i>	PMWB11 (description="null", quantity="none")
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<i>Double1d</i>	PMWB12 (description="null", quantity="none")
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<i>Double1d</i>	PMWE12 (description="null", quantity="none")
<i>Double1d</i>	PMWE11 (description="null", quantity="none")
<i>Double1d</i>	PMWE10 (description="null", quantity="none")
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<i>Double1d</i>	PSWD3 (description="null", quantity="none")
<i>Double1d</i>	PMWB1 (description="null", quantity="none")
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<i>Double1d</i>	PSWD1 (description="null", quantity="none")
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<i>Double1d</i>	PSWD7 (description="null", quantity="none")
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<i>Double1d</i>	PMWB4 (description="null", quantity="none")
<i>Double1d</i>	PSWD6 (description="null", quantity="none")
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<i>Double1d</i>	PSWD5 (description="null", quantity="none")
<i>Double1d</i>	PMWB6 (description="null", quantity="none")
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<i>Double1d</i>	PSWD9 (description="null", quantity="none")
<i>Double1d</i>	PSWD8 (description="null", quantity="none")
<i>Double1d</i>	PSWJ3 (description="null", quantity="none")
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<i>Double1d</i>	PSWJ4 (description="null", quantity="none")
<i>Double1d</i>	PLWA9 (description="null", quantity="none")
<i>Double1d</i>	PSWJ1 (description="null", quantity="none")
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<i>Double1d</i>	PLWA2 (description="null", quantity="none")
<i>Double1d</i>	PLWA5 (description="null", quantity="none")
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<i>Double1d</i>	PSWJ8 (description="null", quantity="none")
<i>Double1d</i>	PSWJ9 (description="null", quantity="none")
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<i>Double1d</i>	PSWD10 (description="null", quantity="none")
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<i>Double1d</i>	PSWH12 (description="null", quantity="none")
<i>Double1d</i>	PSWH11 (description="null", quantity="none")
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<i>Double1d</i>	PLWC5 (description="null", quantity="none")
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<i>Double1d</i>	PSWG6 (description="null", quantity="none")
<i>Double1d</i>	PLWC6 (description="null", quantity="none")
<i>Double1d</i>	PSWD11 (description="null", quantity="none")
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<i>Double1d</i>	PSWD14 (description="null", quantity="none")
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<i>Double1d</i>	PLWB5 (description="null", quantity="none")
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<i>Double1d</i>	PMWF5 (description="null", quantity="none")
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<i>Double1d</i>	PSWA12 (description="null", quantity="none")
<i>Double1d</i>	PSWA11 (description="null", quantity="none")
<i>Double1d</i>	PSWA10 (description="null", quantity="none")
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<i>Double1d</i>	PMWE4 (description="null", quantity="none")
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<i>Double1d</i>	PMWC10 (description="null", quantity="none")
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<i>Double1d</i>	PMWG6 (description="null", quantity="none")
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<i>Double1d</i>	PSWG13 (description="null", quantity="none")
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<i>Double1d</i>	PMWG9 (description="null", quantity="none")
<i>Double1d</i>	PSWG11 (description="null", quantity="none")
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<i>Double1d</i>	PSWB9 (description="null", quantity="none")
<i>Double1d</i>	PSWB1 (description="null", quantity="none")
<i>Double1d</i>	PSWB2 (description="null", quantity="none")
<i>Double1d</i>	PSWB3 (description="null", quantity="none")
<i>Double1d</i>	PSWB4 (description="null", quantity="none")
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<i>Double1d</i>	PSWA8 (description="null", quantity="none")
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<i>DoubleId</i>	PSWJ10 (description="null", quantity="none")
<i>DoubleId</i>	PSWJ11 (description="null", quantity="none")
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<i>DoubleId</i>	PSWJ14 (description="null", quantity="none")
<i>DoubleId</i>	PSWJ15 (description="null", quantity="none")
<i>DoubleId</i>	PSWF12 (description="null", quantity="none")
<i>DoubleId</i>	PSWF11 (description="null", quantity="none")
<i>DoubleId</i>	PSWF10 (description="null", quantity="none")
<i>DoubleId</i>	PSWF16 (description="null", quantity="none")
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<i>DoubleId</i>	PSWF13 (description="null", quantity="none")
<i>com- posite</i>	(description="History of product")
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<i>LongParameter</i>	id (description="Unique ID")
<i>table dataset</i>	(description="History as Jython script")
<i>Metadata</i>	
<i>StringParameter</i>	outvar (description="last output variable")
<i>StringId</i>	Lines (description="script lines", quantity="none")
<i>table dataset</i>	(description="History of tasks")
<i>Metadata</i>	
<i>LongId</i>	ID (description="Links the parameter and task table", quantity="none")
<i>StringId</i>	Name (description="The name of the task", quantity="none")
<i>LongId</i>	ExecDate (description="Time of execution (FINETIME)", quantity="none")
<i>BoolId</i>	Succeeded (description="Flag for success/failed", quantity="none")
<i>LongId</i>	HistoryId (description="Id of current history", quantity="none")

<i>table dataset</i>	<i>(description="The parameters belonging to the task history")</i>	
<i>Metadata</i>		
<i>LongId</i>	TaskID	<i>(description="Links the parameter and task table", quantity="none")</i>
<i>StringId</i>	Name	<i>(description="The name of the parameter", quantity="none")</i>
<i>StringId</i>	Type	<i>(description="Type of parameter", quantity="none")</i>
<i>StringId</i>	Value	<i>(description="String representation of the parameter value", quantity="none")</i>
<i>BoolId</i>	IsDefault	<i>(description="True if the default value has been used", quantity="none")</i>
<i>LongId</i>	IncHistoryId	<i>(description="ID of the history of an included product", quantity="none")</i>
<i>IntId</i>	IncNumTask	<i>(description="Number of tasks to include from history", quantity="none")</i>
<i>LongId</i>	HistoryId	<i>(description="Id of current history", quantity="none")</i>
<i>BoolId</i>	UserInput	<i>(description="Needs user input", quantity="none")</i>

5.3.2. PSP: Photometer Scan Product

<i>product (type="PSP", description="Photometer Scan Product")</i>		
<i>Meta-data</i>		
StringParameter	type	<i>(description="Product Type Identification")</i>
StringParameter	creator	<i>(description="Generator of this product")</i>
DateParameter	creationDate	<i>(description="Creation date of this product")</i>
StringParameter	description	<i>(description="Name of this product")</i>
StringParameter	instrument	<i>(description="Instrument attached to this product")</i>
StringParameter	modelName	<i>(description="Model name attached to this product")</i>
DateParameter	startDate	<i>(description="Start date of this product")</i>
DateParameter	endDate	<i>(description="End date of this product")</i>
StringParameter	aorLabel	<i>(description="AOR Label as entered in HSpot")</i>
StringParameter	aot	<i>(description="AOT Identifier")</i>
StringParameter	author	<i>(description="Author of the Data")</i>
StringParameter	cusMode	<i>(description="null")</i>

DoubleParameter	dec (description="Actual Declination of pointing")
DoubleParameter	decNominal (description="Requested Declination of pointing")
DoubleParameter	equinox (description="Equinox of celestial coordinate system")
StringParameter	instMode (description="null")
StringParameter	fileName (description="Name of exported file")
StringParameter	missionConfig (description="Mission configuration")
StringParameter	naifId (description="SSO NAIF identifier")
StringParameter	object (description="Target name")
StringParameter	observer (description="Observer name")
LongParameter	obsid (description="null")
StringParameter	obsMode (description="null")
LongParameter	odNumber (description="null")
StringParameter	pointingMode (description="Pointing mode")
DoubleParameter	posAngle (description="Position Angle of pointing")
StringParameter	proposal (description="Proposal name")
DoubleParameter	ra (description="Actual Right Ascension of pointing")
StringParameter	raDeSys (description="Coordinate reference frame for the RA and DEC")
DoubleParameter	raNominal (description="Requested Right Ascension of pointing")
StringParameter	telescope (description="Name of telescope")
StringParameter	subsystem (description="Instrument subsystem")
LongParameter	bbid (description="Building Block Identifier")
StringParameter	source (description="TM source packet name")
DoubleParameter	biasFreq (description="Bias frequency")
StringParameter	wcsType (description="Type of Coordinate System")

StringParameter	wcsReference (description="Reference of Coordinate System")
StringParameter	elecSide (description="Electronic side")
StringParameter	bbTypeName (description="Building block type name")
BooleanParameter	adcErr (description="Presence of ADC Latch errors")
BooleanParameter	offsetApp (description="Detector offsets applied")
DoubleParameter	plwBiasAmpl (description="PLW bias amplitude")
DoubleParameter	pmwBiasAmpl (description="PMW bias amplitude")
DoubleParameter	pswBiasAmpl (description="PSW bias amplitude")
DoubleParameter	ptcBiasAmpl (description="PTC bias amplitude")
BooleanParameter	rcRollApp (description="RC roll correction applied")
LongParameter	scanLineNum (description="Nodding ID")
BooleanParameter	ElectricalCrosstalkCorrectionDone (description="null")
LongParameter	maskMaster (description="Mask value for master bit")
LongParameter	maskInvalidTime (description="Mask value for invalid sample time")
LongParameter	maskAdcLatch (description="Mask value for possible ADC latchup error")
LongParameter	maskTruncated (description="Mask value for ADC conversion truncation")
LongParameter	maskUncorrectedTruncation (description="Mask value for uncorrected ADC conversion truncation")
LongParameter	maskGlitchDetected (description="Mask value for glitch detected")
LongParameter	maskGlitchNotRemoved (description="Mask value for glitch detected and not removed")
LongParameter	maskDead (description="Mask value for dead channel")
LongParameter	maskNoisy (description="Mask value for noisy channel")
LongParameter	maskNotChoppedToSky (description="Mask value for channel not chopped to sky")
LongParameter	maskVoltageOol (description="Mask value for voltage out of fitted range")
LongParameter	maskGlitchL1Detected (description="Mask value for first level glitch detected")

LongParameter	maskGlitchL1NotRemoved (description="Mask value for first level glitch detected and not removed")
LongParameter	maskGlitchL2Detected (description="Mask value for second level glitch detected")
LongParameter	maskGlitchL2NotRemoved (description="Mask value for second level glitch detected and not removed")
BooleanParameter	OpticalCrosstalkCorrectionDone (description="null")
<i>table dataset</i>	(description="Mask timelines")
<i>Metadata</i>	
<i>DoubleId</i>	sampleTime (description="Sample time", quantity="TAI")
<i>IntId</i>	PSWR1 (description="PHOTFARRAY001", quantity="")
<i>IntId</i>	PSWD16 (description="PHOTFARRAY002", quantity="")
<i>IntId</i>	PSWT1 (description="PHOTFARRAY003", quantity="")
<i>IntId</i>	PSWB16 (description="PHOTFARRAY004", quantity="")
<i>IntId</i>	PSWC15 (description="PHOTFARRAY005", quantity="")
<i>IntId</i>	PSWA15 (description="PHOTFARRAY006", quantity="")
<i>IntId</i>	PSWD15 (description="PHOTFARRAY007", quantity="")
<i>IntId</i>	PSWB15 (description="PHOTFARRAY008", quantity="")
<i>IntId</i>	PSWC14 (description="PHOTFARRAY009", quantity="")
<i>IntId</i>	PSWD14 (description="PHOTFARRAY010", quantity="")
<i>IntId</i>	PSWA14 (description="PHOTFARRAY011", quantity="")
<i>IntId</i>	PSWA13 (description="PHOTFARRAY012", quantity="")
<i>IntId</i>	PSWB14 (description="PHOTFARRAY013", quantity="")
<i>IntId</i>	PSWC13 (description="PHOTFARRAY014", quantity="")
<i>IntId</i>	PSWB13 (description="PHOTFARRAY015", quantity="")
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<i>IntId</i>	PSWJ1 (description="PHOTFARRAY030", quantity="")
<i>IntId</i>	PSWH2 (description="PHOTFARRAY031", quantity="")

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<i>Int1d</i>	PSWJ2 (description="PHOTFARRAY033", quantity="")
<i>Int1d</i>	PSWG2 (description="PHOTFARRAY034", quantity="")
<i>Int1d</i>	PSWH3 (description="PHOTFARRAY035", quantity="")
<i>Int1d</i>	PSWJ3 (description="PHOTFARRAY036", quantity="")
<i>Int1d</i>	PSWE2 (description="PHOTFARRAY037", quantity="")
<i>Int1d</i>	PSWF3 (description="PHOTFARRAY038", quantity="")
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<i>IntId</i>	PSWF16 (description="PHOTFARRAY095", quantity="")
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<i>IntId</i>	PSWD7 (description="PHOTFARRAY116", quantity="")
<i>IntId</i>	PSWB7 (description="PHOTFARRAY117", quantity="")
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<i>IntId</i>	PMWD9 (description="PHOTFARRAY258", quantity="")
<i>IntId</i>	PMWF9 (description="PHOTFARRAY259", quantity="")
<i>IntId</i>	PMWE10 (description="PHOTFARRAY260", quantity="")
<i>IntId</i>	PMWG10 (description="PHOTFARRAY261", quantity="")
<i>IntId</i>	PMWC4 (description="PHOTFARRAY262", quantity="")
<i>IntId</i>	PMWB3 (description="PHOTFARRAY263", quantity="")
<i>IntId</i>	PMWC3 (description="PHOTFARRAY264", quantity="")
<i>IntId</i>	PMWB2 (description="PHOTFARRAY265", quantity="")
<i>IntId</i>	PMWD2 (description="PHOTFARRAY266", quantity="")
<i>IntId</i>	PMWA3 (description="PHOTFARRAY267", quantity="")
<i>IntId</i>	PMWA2 (description="PHOTFARRAY268", quantity="")
<i>IntId</i>	PMWC2 (description="PHOTFARRAY269", quantity="")
<i>IntId</i>	PMWB1 (description="PHOTFARRAY270", quantity="")
<i>IntId</i>	PMWA1 (description="PHOTFARRAY271", quantity="")
<i>IntId</i>	PMWDP1 (description="PHOTFARRAY272", quantity="")
<i>IntId</i>	PMWC1 (description="PHOTFARRAY273", quantity="")
<i>IntId</i>	PMWA7 (description="PHOTFARRAY274", quantity="")
<i>IntId</i>	PMWA6 (description="PHOTFARRAY275", quantity="")
<i>IntId</i>	PMWB6 (description="PHOTFARRAY276", quantity="")
<i>IntId</i>	PMWC7 (description="PHOTFARRAY277", quantity="")
<i>IntId</i>	PMWA5 (description="PHOTFARRAY278", quantity="")
<i>IntId</i>	PMWB5 (description="PHOTFARRAY279", quantity="")
<i>IntId</i>	PMWC6 (description="PHOTFARRAY280", quantity="")
<i>IntId</i>	PMWD6 (description="PHOTFARRAY281", quantity="")
<i>IntId</i>	PMWB4 (description="PHOTFARRAY282", quantity="")
<i>IntId</i>	PMWC5 (description="PHOTFARRAY283", quantity="")

<i>IntId</i>	PMWD4 (description="PHOTFARRAY284", quantity="")
<i>IntId</i>	PMWA4 (description="PHOTFARRAY285", quantity="")
<i>IntId</i>	PTCP1 (description="PHOTFARRAY286", quantity="")
<i>IntId</i>	PTCP2 (description="PHOTFARRAY287", quantity="")
<i>IntId</i>	PTCP3 (description="PHOTFARRAY288", quantity="")
<i>table dataset</i>	(description="Quality control metric quantities")
<i>Metadata</i>	
<i>StringId</i>	channelName (description="Channel name", quantity="")
<i>FloatId</i>	adcErrors (description="Fraction of ADC errors", quantity="")
<i>FloatId</i>	truncation (description="Fraction of out of range values", quantity="")
<i>composite</i>	(description="History of product")
<i>Metadata</i>	
<i>LongParameter</i>	id (description="Unique ID")
<i>table dataset</i>	(description="History as Jython script")
<i>Metadata</i>	
<i>StringParameter</i>	outvar (description="last output variable")
<i>StringId</i>	Lines (description="script lines", quantity="none")
<i>table dataset</i>	(description="History of tasks")
<i>Metadata</i>	
<i>LongId</i>	ID (description="Links the parameter and task table", quantity="none")
<i>StringId</i>	Name (description="The name of the task", quantity="none")
<i>LongId</i>	ExecDate (description="Time of execution (FINETIME)", quantity="none")
<i>BoolId</i>	Succeeded (description="Flag for success/failed", quantity="none")
<i>LongId</i>	HistoryId (description="Id of current history", quantity="none")
<i>table dataset</i>	(description="The parameters belonging to the task history")
<i>Metadata</i>	
<i>LongId</i>	TaskID (description="Links the parameter and task table", quantity="none")
<i>StringId</i>	Name (description="The name of the parameter", quantity="none")
<i>StringId</i>	Type (description="Type of parameter", quantity="none")
<i>StringId</i>	Value (description="String representation of the parameter value", quantity="none")
<i>BoolId</i>	IsDefault (description="True if the default value has been used", quantity="none")
<i>LongId</i>	IncHistoryId (description="ID of the history of an included product", quantity="none")
<i>IntId</i>	IncNumTask (description="Number of tasks to include from history", quantity="none")
<i>LongId</i>	HistoryId (description="Id of current history", quantity="none")
<i>BoolId</i>	UserInput (description="Needs user input", quantity="none")

<i>table</i>	(<i>description="Temperature"</i>)
<i>dataset</i>	
<i>Metadata</i>	
<i>DoubleId</i>	sampleTime (description="Sample time", quantity="TAI")
<i>FloatId</i>	PSWT1 (description="Thermistor temperature", quantity="K")
<i>FloatId</i>	PSWT2 (description="Thermistor temperature", quantity="K")
<i>FloatId</i>	PLWT1 (description="Thermistor temperature", quantity="K")
<i>FloatId</i>	PLWT2 (description="Thermistor temperature", quantity="K")
<i>FloatId</i>	PMWT1 (description="Thermistor temperature", quantity="K")
<i>FloatId</i>	PMWT2 (description="Thermistor temperature", quantity="K")
<i>table</i>	(<i>description="Voltages table"</i>)
<i>dataset</i>	
<i>Metadata</i>	
<i>DoubleId</i>	sampleTime (description="Sample time", quantity="TAI")
<i>DoubleId</i>	PSWR1 (description="null", quantity="V")
<i>DoubleId</i>	PSWD16 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>DoubleId</i>	PSWT1 (description="null", quantity="V")
<i>DoubleId</i>	PSWB16 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>DoubleId</i>	PSWC15 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>DoubleId</i>	PSWA15 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>DoubleId</i>	PSWD15 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>DoubleId</i>	PSWB15 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>DoubleId</i>	PSWC14 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>DoubleId</i>	PSWD14 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>DoubleId</i>	PSWA14 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>DoubleId</i>	PSWA13 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>DoubleId</i>	PSWB14 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>DoubleId</i>	PSWC13 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>DoubleId</i>	PSWB13 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>DoubleId</i>	PSWD13 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>DoubleId</i>	PSWA12 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>DoubleId</i>	PSWC12 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>DoubleId</i>	PSWD12 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>DoubleId</i>	PSWB12 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>DoubleId</i>	PSWE11 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>DoubleId</i>	PSWA11 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>DoubleId</i>	PSWC11 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>DoubleId</i>	PSWB11 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>DoubleId</i>	PSWE1 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>DoubleId</i>	PSWF1 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>DoubleId</i>	PSWT2 (description="null", quantity="V")
<i>DoubleId</i>	PSWH1 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")

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<i>Double1d</i>	PSWC7 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PSWE7 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PSWA7 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PSWD7 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PSWB7 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PSWC6 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PSWE6 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PSWA6 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PSWG5 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PSWH6 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PSWJ6 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PSWF6 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PSWG6 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PSWH7 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PSWF7 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PSWJ7 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PSWG7 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PSWH8 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PSWF8 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PSWG8 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PSWJ8 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PSWF9 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PSWH9 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PSWG9 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PSWJ9 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PSWF10 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PSWH10 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PSWG10 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PSWF11 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PSWJ10 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PSWH11 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PSWG11 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWR1 (description="null", quantity="V")
<i>Double1d</i>	PLWA8 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWA7 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWA6 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWA9 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWC9 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWB8 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWB7 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWC7 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWB5 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")

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<i>Double1d</i>	PLWB6 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWA5 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWT1 (description="null", quantity="V")
<i>Double1d</i>	PLWB4 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWC4 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWB3 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWC2 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWB2 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWB1 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWA3 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWA4 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWA1 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWDP1 (description="null", quantity="V")
<i>Double1d</i>	PLWA2 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWE1 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWE2 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWE3 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWE4 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWD1 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWD2 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWD3 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWD4 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWC1 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWC3 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWC5 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWT2 (description="null", quantity="V")
<i>Double1d</i>	PLWE5 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWC6 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWC8 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWD5 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWD6 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWD7 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWD8 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWE7 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWE6 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWE8 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PLWDP2 (description="null", quantity="V")
<i>Double1d</i>	PLWE9 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWA13 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWT1 (description="null", quantity="V")
<i>Double1d</i>	PMWB12 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWC13 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")

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<i>Double1d</i>	PMWF6 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWG7 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWF10 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWE11 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWG11 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWF11 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWE12 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWG12 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWF12 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWG13 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWDP2 (description="null", quantity="V")
<i>Double1d</i>	PMWE7 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWD7 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWF7 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWE8 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWG8 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWF8 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWE9 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWG9 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWD9 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWF9 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWE10 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWG10 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWC4 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWB3 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWC3 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWB2 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWD2 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWA3 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWA2 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWC2 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWB1 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWA1 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWDP1 (description="null", quantity="V")
<i>Double1d</i>	PMWC1 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWA7 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWA6 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWB6 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWC7 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWA5 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWB5 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>Double1d</i>	PMWC6 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")

<i>DoubleId</i>	PMWD6 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>DoubleId</i>	PMWB4 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>DoubleId</i>	PMWC5 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>DoubleId</i>	PMWD4 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>DoubleId</i>	PMWA4 (description="null", quantity="Jy [1.0E-26 W/m2/Hz]")
<i>DoubleId</i>	PTCP1 (description="null", quantity="V")
<i>DoubleId</i>	PTCP2 (description="null", quantity="V")
<i>DoubleId</i>	PTCP3 (description="null", quantity="V")
<i>table dataset</i>	(description="RA timeline")
<i>Metadata</i>	
<i>DoubleId</i>	PSWF1 (description="Right Ascension", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PMWC9 (description="Right Ascension", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PMWC8 (description="Right Ascension", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWE6 (description="Right Ascension", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PLWE2 (description="Right Ascension", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PMWC7 (description="Right Ascension", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWE5 (description="Right Ascension", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PLWE3 (description="Right Ascension", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PMWC6 (description="Right Ascension", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWE8 (description="Right Ascension", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PLWE4 (description="Right Ascension", quantity="degree [0.017453292519943295 rad])")
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<i>DoubleId</i>	PMWE2 (description="Declination", quantity="degree [0.017453292519943295 rad])
<i>DoubleId</i>	PSWA15 (description="Declination", quantity="degree [0.017453292519943295 rad])
<i>DoubleId</i>	PSWC10 (description="Declination", quantity="degree [0.017453292519943295 rad])
<i>DoubleId</i>	PSWC11 (description="Declination", quantity="degree [0.017453292519943295 rad])
<i>DoubleId</i>	PLWDP1 (description="Declination", quantity="degree [0.017453292519943295 rad])
<i>DoubleId</i>	PLWDP2 (description="Declination", quantity="degree [0.017453292519943295 rad])
<i>DoubleId</i>	PMWD11 (description="Declination", quantity="degree [0.017453292519943295 rad])
<i>DoubleId</i>	PMWD12 (description="Declination", quantity="degree [0.017453292519943295 rad])
<i>DoubleId</i>	PMWD10 (description="Declination", quantity="degree [0.017453292519943295 rad])
<i>DoubleId</i>	PSWE15 (description="Declination", quantity="degree [0.017453292519943295 rad])
<i>DoubleId</i>	PSWE14 (description="Declination", quantity="degree [0.017453292519943295 rad])
<i>DoubleId</i>	PMWC12 (description="Declination", quantity="degree [0.017453292519943295 rad])
<i>DoubleId</i>	PSWE13 (description="Declination", quantity="degree [0.017453292519943295 rad])
<i>DoubleId</i>	PMWC13 (description="Declination", quantity="degree [0.017453292519943295 rad])
<i>DoubleId</i>	PSWDP2 (description="Declination", quantity="degree [0.017453292519943295 rad])
<i>DoubleId</i>	PSWE12 (description="Declination", quantity="degree [0.017453292519943295 rad])
<i>DoubleId</i>	PMWC10 (description="Declination", quantity="degree [0.017453292519943295 rad])
<i>DoubleId</i>	PSWDP1 (description="Declination", quantity="degree [0.017453292519943295 rad])
<i>DoubleId</i>	PSWE11 (description="Declination", quantity="degree [0.017453292519943295 rad])
<i>DoubleId</i>	PMWC11 (description="Declination", quantity="degree [0.017453292519943295 rad])
<i>DoubleId</i>	PSWE10 (description="Declination", quantity="degree [0.017453292519943295 rad])
<i>DoubleId</i>	PMWG5 (description="Declination", quantity="degree [0.017453292519943295 rad])

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<i>DoubleId</i>	PSWG14 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PMWG6 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWG15 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PMWG7 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWG12 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PMWG8 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWG13 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PMWG9 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWG10 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWG11 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PMWG1 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PMWG2 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PMWG3 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PMWG4 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWB6 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWB7 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWB8 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWB9 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWB1 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PTCP1 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWB2 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PTCP2 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWB3 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PTCP3 (description="Declination", quantity="degree [0.017453292519943295 rad])")

<i>DoubleId</i>	PSWB4 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWB5 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWR1 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWA7 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWA8 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWA5 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWA6 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWB15 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWB16 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWB13 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWA9 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWB14 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWA3 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWA4 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWA1 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWA2 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWB12 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWB11 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWB10 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWJ10 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWJ11 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWJ12 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWJ13 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWJ14 (description="Declination", quantity="degree [0.017453292519943295 rad])")

<i>DoubleId</i>	PSWJ15 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWF12 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWF11 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWF10 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWF16 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWF15 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWF14 (description="Declination", quantity="degree [0.017453292519943295 rad])")
<i>DoubleId</i>	PSWF13 (description="Declination", quantity="degree [0.017453292519943295 rad])")

5.3.3. SDI: Spectrometer Detector Interferogram

<i>product (type="SDI", description="Spectrometer Detector Interferogram")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start time of this product")
DateParameter	endDate (description="End time of this product")
StringParameter	aorLabel (description="AOR Label as entered in HSpot")
StringParameter	aot (description="AOT Identifier")
StringParameter	author (description="Author of the Data")
StringParameter	cusMode (description="CUS observation mode")
DoubleParameter	dec (description="Actual Declination of pointing")
DoubleParameter	decNominal (description="Requested Declination of pointing")
DoubleParameter	equinox (description="Equinox of celestial coordinate system")
StringParameter	instMode (description="Instrument mode")
StringParameter	fileName (description="file name for export")
StringParameter	missionConfig (description="Mission configuration")
StringParameter	naifId (description="SSO NAIF identifier")
StringParameter	object (description="Target name")
StringParameter	observer (description="Observer name")
LongParameter	obsid (description="Observation Identifier")
StringParameter	obsMode (description="Observing mode")

LongParameter	odNumber (description="Operational day number")
StringParameter	pointingMode (description="Pointing mode")
DoubleParameter	posAngle (description="Position Angle of pointing")
StringParameter	proposal (description="Proposal name")
DoubleParameter	ra (description="Actual Right Ascension of pointing")
StringParameter	raDeSys (description="Coordinate reference frame for the RA and DEC")
DoubleParameter	raNominal (description="Requested Right Ascension of pointing")
StringParameter	telescope (description="Name of telescope")
StringParameter	subsystem (description="Instrument subsystem")
LongParameter	bbid (description="Building Block Identifier")
StringParameter	source (description="TM source packet name")
LongParameter	numScans (description="Number of scans")
StringParameter	commandedResolution (description="Commanded Spectral Resolution")
<i>composite</i>	(description="null")
<i>Metadata</i>	
LongParameter	count (description="Scan Number")
LongParameter	scanNumber (description="Scan Number")
StringParameter	scanDir (description="Scan Direction")
<i>table dataset</i>	(description="null")
<i>Metadata</i>	
StringParameter	pixelName (description="null")
LongParameter	pixelId (description="null")
<i>Double1d</i>	signal (description="null", quantity="V")
<i>Double1d</i>	opd (description="null", quantity="cm [0.01 m]")
<i>Double1d</i>	errorSig (description="null", quantity="V")
<i>Double1d</i>	errorOpd (description="null", quantity="cm [0.01 m]")
<i>Int1d</i>	mask (description="null", quantity="none")
<i>table dataset</i>	(description="null")
<i>Metadata</i>	
StringParameter	pixelName (description="null")
LongParameter	pixelId (description="null")
<i>Double1d</i>	signal (description="null", quantity="V")
<i>Double1d</i>	opd (description="null", quantity="cm [0.01 m]")
<i>Double1d</i>	errorSig (description="null", quantity="V")
<i>Double1d</i>	errorOpd (description="null", quantity="cm [0.01 m]")
<i>Int1d</i>	mask (description="null", quantity="none")
<i>table dataset</i>	(description="null")
<i>Metadata</i>	
StringParameter	pixelName (description="null")

	LongParameter	pixelId (description="null")
	DoubleId	signal (description="null", quantity="V")
	DoubleId	opd (description="null", quantity="cm [0.01 m]")
	DoubleId	errorSig (description="null", quantity="V")
	DoubleId	errorOpd (description="null", quantity="cm [0.01 m]")
	IntId	mask (description="null", quantity="none")
<i>table dataset</i> (description="null")		
<i>Metadata</i>		
	StringParameter	pixelName (description="null")
	LongParameter	pixelId (description="null")
	DoubleId	signal (description="null", quantity="V")
	DoubleId	opd (description="null", quantity="cm [0.01 m]")
	DoubleId	errorSig (description="null", quantity="V")
	DoubleId	errorOpd (description="null", quantity="cm [0.01 m]")
	IntId	mask (description="null", quantity="none")

5.3.4. SDS: Spectrometer Detector Spectrum

<i>product</i> (type="SDS", description="Spectrometer Detector Spectrum")	
<i>Meta-</i>	
<i>data</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	aorLabel (description="AOR Label as entered in HSpot")
StringParameter	aot (description="AOT Identifier")
StringParameter	author (description="Author of the Data")

StringParameter	cusMode (description="CUS observation mode")
DoubleParameter	dec (description="Actual Declination of pointing")
DoubleParameter	decNominal (description="Requested Declination of pointing")
DoubleParameter	equinox (description="Equinox of celestial coordinate system")
StringParameter	instMode (description="Instrument mode")
StringParameter	fileName (description="file name for export")
StringParameter	missionConfig (description="Mission configuration")
StringParameter	naifId (description="SSO NAIF identifier")
StringParameter	object (description="Target name")
StringParameter	observer (description="Observer name")
LongParameter	obsid (description="Observation identifier")
StringParameter	obsMode (description="Observing mode")
LongParameter	odNumber (description="Operational day number")
StringParameter	pointingMode (description="Pointing mode")
DoubleParameter	posAngle (description="Position Angle of pointing")
StringParameter	proposal (description="Proposal name")
DoubleParameter	ra (description="Actual Right Ascension of pointing")
StringParameter	raDeSys (description="Coordinate reference frame for the RA and DEC")
DoubleParameter	raNominal (description="Requested Right Ascension of pointing")
StringParameter	telescope (description="Name of telescope")
StringParameter	subsystem (description="Instrument subsystem")
LongParameter	bbid (description="Building Block Identifier")
LongParameter	numScans (description="Number of Scans")
DoubleParameter	resolution (description="Resolution element")

DoubleParameter	actualResolution (description="Actual Spectral Resolution")
StringParameter	commandedResolution (description="Commanded Spectral Resolution")
StringParameter	source (description="TM source packet name")
StringParameter	bbTypeName (description="Building block type name")
BooleanParameter	offsetApp (description="Detector offsets applied")
BooleanParameter	rcRollApp (description="RC roll correction applied")
DoubleParameter	biasFreq (description="Bias frequency")
compos- ite	(description="null")
<i>Metadata</i>	
LongParameter	count (description="Interferogram Number")
StringParameter	scanDir (description="Scan Direction")
LongParameter	scanNumber (description="Scan Number")
DoubleParameter	resolution (description="Resolution")
table dataset	(description="null")
<i>Metadata</i>	
StringParameter	pixelName (description="null")
<i>Double1d</i>	wavenumber (description="null", quantity="cm-1 [100.0 m-1]")
<i>Complex1d</i>	flux (description="null", quantity="V")
<i>Double1d</i>	error (description="null", quantity="V")
<i>Int1d</i>	mask (description="null", quantity="none")

5.4. SPIRE Level-2 Products

5.4.1. JPP: Jiggled Photometer Product

<i>product (type="JPP", description="Jiggled Photometer Product")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
	modelName (description="Model name attached to this product")

StringParameter	
DateParameter	startDate (description="Start Date")
DateParameter	endDate (description="End Date")
StringParameter	aorLabel (description="AOR Label as entered in HSpot")
StringParameter	aot (description="AOT Identifier")
StringParameter	author (description="Author of the Data")
StringParameter	cusMode (description="CUS observation mode")
DoubleParameter	dec (description="Actual Declination of pointing")
DoubleParameter	decNominal (description="Requested Declination of pointing")
DoubleParameter	equinox (description="Equinox of celestial coordinate system")
StringParameter	instMode (description="Instrument mode")
StringParameter	fileName (description="file name for export")
StringParameter	missionConfig (description="Mission configuration")
StringParameter	naifId (description="SSO NAIF identifier")
StringParameter	object (description="Target name")
StringParameter	observer (description="Observer name")
LongParameter	obsid (description="null")
StringParameter	obsMode (description="null")
LongParameter	odNumber (description="Operational day number")
StringParameter	pointingMode (description="Pointing mode")
DoubleParameter	posAngle (description="Position Angle of pointing")
StringParameter	proposal (description="Proposal name")
DoubleParameter	ra (description="Actual Right Ascension of pointing")
StringParameter	raDeSys (description="Coordinate reference frame for the RA and DEC")
DoubleParameter	raNominal (description="Requested Right Ascension of pointing")
StringParameter	telescope (description="Name of telescope")

StringParameter	subsystem (description="Instrument subsystem")
LongParameter	denodDropped (description="Number of pixel/jiggle position where a complete ABBA is not found")
StringParameter	wcsType (description="Type of Coordinate System")
StringParameter	wcsReference (description="Reference of Coordinate System")
LongParameter	bbid (description="Building Block Identifier")
StringParameter	source (description="TM source packet name")
DoubleParameter	biasFreq (description="Bias frequency")
LongParameter	rasterId (description="Raster id")
BooleanParameter	OpticalCrosstalkCorrectionDone (description="null")
LongParameter	denodGlitchNumber (description="null")
DoubleParameter	denodGlitchFraction (description="null")
LongParameter	nFitsPSW (description="null")
LongParameter	nFitsPMW (description="null")
LongParameter	nFitsPLW (description="null")
DoubleParameter	fluxDiffPsw (description="null")
DoubleParameter	fluxDiffPmw (description="null")
DoubleParameter	fluxDiffPlw (description="null")
DoubleParameter	latDiffPswPmw (description="null")
DoubleParameter	lonDiffPswPmw (description="null")
DoubleParameter	latDiffPswPlw (description="null")
DoubleParameter	lonDiffPswPlw (description="null")
DoubleParameter	latDiffPmwPlw (description="null")
DoubleParameter	lonDiffPmwPlw (description="null")
<i>table dataset</i>	(description="Contents")
<i>Metadata</i>	
<i>StringId</i>	arrayName (description="null", quantity="none")
<i>DoubleId</i>	lon (description="null", quantity="none")
<i>DoubleId</i>	errLon (description="null", quantity="none")
<i>DoubleId</i>	lat (description="null", quantity="none")

<i>DoubleId</i>	errLat (description="null", quantity="none")
<i>DoubleId</i>	signal (description="null", quantity="none")
<i>DoubleId</i>	error (description="null", quantity="none")
<i>compos-ite</i>	(description="History of product")
<i>Metadata</i>	
<i>LongParameter</i>	id (description="Unique ID")
<i>table dataset</i>	(description="History as Jython script")
<i>Metadata</i>	
<i>StringParameter</i>	outvar (description="last output variable")
<i>StringId</i>	Lines (description="script lines", quantity="none")
<i>table dataset</i>	(description="History of tasks")
<i>Metadata</i>	
<i>LongId</i>	ID (description="Links the parameter and task table", quantity="none")
<i>StringId</i>	Name (description="The name of the task", quantity="none")
<i>LongId</i>	ExecDate (description="Time of execution (FINETIME)", quantity="none")
<i>BoolId</i>	Succeeded (description="Flag for success/failed", quantity="none")
<i>LongId</i>	HistoryId (description="Id of current history", quantity="none")
<i>table dataset</i>	(description="The parameters belonging to the task history")
<i>Metadata</i>	
<i>LongId</i>	TaskID (description="Links the parameter and task table", quantity="none")
<i>StringId</i>	Name (description="The name of the parameter", quantity="none")
<i>StringId</i>	Type (description="Type of parameter", quantity="none")
<i>StringId</i>	Value (description="String representation of the parameter value", quantity="none")
<i>BoolId</i>	IsDefault (description="True if the default value has been used", quantity="none")
<i>LongId</i>	IncHistoryId (description="ID of the history of an included product", quantity="none")
<i>IntId</i>	IncNumTask (description="Number of tasks to include from history", quantity="none")
<i>LongId</i>	HistoryId (description="Id of current history", quantity="none")
<i>BoolId</i>	UserInput (description="Needs user input", quantity="none")

5.4.2. PMP: PSW map

<i>product</i> (type="PMP", description="PSW map")	
<i>Metadata</i>	
<i>StringParameter</i>	type (description="Product Type Identification")
<i>StringParameter</i>	creator (description="Generator of this product")

DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
DoubleParameter	wavelength (description="The reference wavelength at which the image is taken")
StringParameter	aorLabel (description="AOR Label as entered in HSpot")
StringParameter	aot (description="AOT Identifier")
StringParameter	author (description="Author of the Data")
StringParameter	cusMode (description="CUS observation mode")
DoubleParameter	dec (description="Actual Declination of pointing")
DoubleParameter	decNominal (description="Requested Declination of pointing")
DoubleParameter	equinox (description="Equinox of celestial coordinate system")
StringParameter	instMode (description="Instrument mode")
StringParameter	missionConfig (description="Mission configuration")
StringParameter	naifId (description="SSO NAIF identifier")
StringParameter	object (description="Target name")
StringParameter	observer (description="Observer name")
LongParameter	obsid (description="null")
StringParameter	obsMode (description="null")
LongParameter	odNumber (description="Operational day number")
StringParameter	pointingMode (description="Pointing mode")
DoubleParameter	posAngle (description="Position Angle of pointing")
StringParameter	proposal (description="Proposal name")
DoubleParameter	ra (description="Actual Right Ascension of pointing")

StringParameter	raDeSys (description="Coordinate reference frame for the RA and DEC")
DoubleParameter	raNominal (description="Requested Right Ascension of pointing")
StringParameter	telescope (description="Name of telescope")
BooleanParameter	isFailedPSW (description="Flag indicating that the PSW map could not be produced.")
<i>array dataset</i>	(description="Image")
<i>Metadata</i>	
DoubleParameter	crval1 (description="WCS: First coordinate of reference pixel")
DoubleParameter	crval2 (description="WCS: Second coordinate of reference pixel")
DoubleParameter	cdelt1 (description="WCS: Pixel scale axis 1, unit=Angle")
DoubleParameter	cdelt2 (description="WCS: Pixel scale axis 2, unit=Angle")
StringParameter	ctype1 (description="WCS: Projection type axis 1, default="LINEAR")
StringParameter	ctype2 (description="WCS: Projection type axis 2, default="LINEAR")
DoubleParameter	epoch (description="WCS: Epoch, unit=Duration")
DoubleParameter	crota2 (description="The Rotation angle")
DoubleParameter	crpix1 (description="WCS: Reference pixel position axis 1, unit=Scalar")
DoubleParameter	crpix2 (description="WCS: Reference pixel position axis 2, unit=Scalar")
<i>Double2d</i>	(description="Image", quantity="none")
<i>array dataset</i>	(description="Statistical error on the pixel values")
<i>Metadata</i>	
<i>Double2d</i>	(description="Statistical error on the pixel values", quantity="none")
<i>array dataset</i>	(description="Exposure")
<i>Metadata</i>	
<i>Double2d</i>	(description="Exposure", quantity="s")
<i>composite</i>	(description="History of product")
<i>Metadata</i>	
LongParameter	id (description="Unique ID")
<i>table dataset</i>	(description="History as Jython script")
<i>Metadata</i>	
StringParameter	outvar (description="last output variable")

<i>StringId</i>	Lines (description="script lines", quantity="none")
<i>table dataset</i>	(description="History of tasks")
<i>Metadata</i>	
<i>LongId</i>	ID (description="Links the parameter and task table", quantity="none")
<i>StringId</i>	Name (description="The name of the task", quantity="none")
<i>LongId</i>	ExecDate (description="Time of execution (FINETIME)", quantity="none")
<i>BoolId</i>	Succeeded (description="Flag for success/failed", quantity="none")
<i>LongId</i>	HistoryId (description="Id of current history", quantity="none")
<i>table dataset</i>	(description="The parameters belonging to the task history")
<i>Metadata</i>	
<i>LongId</i>	TaskID (description="Links the parameter and task table", quantity="none")
<i>StringId</i>	Name (description="The name of the parameter", quantity="none")
<i>StringId</i>	Type (description="Type of parameter", quantity="none")
<i>StringId</i>	Value (description="String representation of the parameter value", quantity="none")
<i>BoolId</i>	IsDefault (description="True if the default value has been used", quantity="none")
<i>LongId</i>	IncHistoryId (description="ID of the history of an included product", quantity="none")
<i>IntId</i>	IncNumTask (description="Number of tasks to include from history", quantity="none")
<i>LongId</i>	HistoryId (description="Id of current history", quantity="none")
<i>BoolId</i>	UserInput (description="Needs user input", quantity="none")

Chapter 6. SPIRE Calibration Products

6.1. SPIRE Calibration History Products

6.1.1. SCalResetHist

<i>product</i> (<i>type="SCalResetHist", description="DPU Counter Reset History Table" </i>)	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	version (description="Version")
<i>table dataset</i>	(<i>description="DPU reset times"</i>)
<i>Metadata</i>	
<i>LongId</i>	resetTime (description="DPU counter reset time (in CUC format)", quantity="")
<i>compos-ite</i>	(<i>description="History of product"</i>)
<i>Metadata</i>	
LongParameter	id (description="Unique ID")
<i>table dataset</i>	(<i>description="History as Jython script"</i>)
<i>Metadata</i>	
StringParameter	outvar (description="last output variable")
<i>StringId</i>	Lines (description="script lines", quantity="none")
<i>table dataset</i>	(<i>description="History of tasks"</i>)
<i>Metadata</i>	
<i>LongId</i>	ID (description="Links the parameter and task table", quantity="none")
<i>StringId</i>	Name (description="The name of the task", quantity="none")
<i>LongId</i>	ExecDate (description="Time of execution (FINETIME)", quantity="none")
<i>BoolId</i>	Succeeded (description="Flag for success/failed", quantity="none")

	<i>LongId</i>	HistoryId (description="Id of current history", quantity="none")
<i>table dataset</i>	(description="The parameters belonging to the task history")	
	<i>Metadata</i>	
	<i>LongId</i>	TaskID (description="Links the parameter and task table", quantity="none")
	<i>StringId</i>	Name (description="The name of the parameter", quantity="none")
	<i>StringId</i>	Type (description="Type of parameter", quantity="none")
	<i>StringId</i>	Value (description="String representation of the parameter value", quantity="none")
	<i>BoolId</i>	IsDefault (description="True if the default value has been used", quantity="none")
	<i>LongId</i>	IncHistoryId (description="ID of the history of an included product", quantity="none")
	<i>IntId</i>	IncNumTask (description="Number of tasks to include from history", quantity="none")
	<i>LongId</i>	HistoryId (description="Id of current history", quantity="none")
	<i>BoolId</i>	UserInput (description="Needs user input", quantity="none")

6.1.2. SCalPhotOffsetHist

<i>product</i> (type="SCalPhotOffsetHist", description="Photometer Channel Offset History")		
	<i>Metadata</i>	
StringParameter	type	(description="Product Type Identification")
StringParameter	creator	(description="Generator of this product")
DateParameter	creationDate	(description="Creation date of this product")
StringParameter	description	(description="Name of this product")
StringParameter	instrument	(description="Instrument attached to this product")
StringParameter	modelName	(description="Model name attached to this product")
DateParameter	startDate	(description="Start date of this product")
DateParameter	endDate	(description="End date of this product")
StringParameter	version	(description="Version")
<i>table dataset</i>	(description="null")	
	<i>Metadata</i>	
	<i>DoubleId</i>	sampleTime (description="Sample time", quantity="s")
	<i>IntId</i>	PSWA1 (description="PSWA1 signal offset", quantity="")
	<i>IntId</i>	PSWA2 (description="PSWA2 signal offset", quantity="")
	<i>IntId</i>	PSWA3 (description="PSWA3 signal offset", quantity="")
	<i>IntId</i>	PSWA4 (description="PSWA4 signal offset", quantity="")

<i>Int1d</i>	PSWA5 (description="PSWA5 signal offset", quantity="")
<i>Int1d</i>	PSWA6 (description="PSWA6 signal offset", quantity="")
<i>Int1d</i>	PSWA7 (description="PSWA7 signal offset", quantity="")
<i>Int1d</i>	PSWA8 (description="PSWA8 signal offset", quantity="")
<i>Int1d</i>	PSWA9 (description="PSWA9 signal offset", quantity="")
<i>Int1d</i>	PSWA10 (description="PSWA10 signal offset", quantity="")
<i>Int1d</i>	PSWA11 (description="PSWA11 signal offset", quantity="")
<i>Int1d</i>	PSWA12 (description="PSWA12 signal offset", quantity="")
<i>Int1d</i>	PSWA13 (description="PSWA13 signal offset", quantity="")
<i>Int1d</i>	PSWA14 (description="PSWA14 signal offset", quantity="")
<i>Int1d</i>	PSWA15 (description="PSWA15 signal offset", quantity="")
<i>Int1d</i>	PSWB1 (description="PSWB1 signal offset", quantity="")
<i>Int1d</i>	PSWB2 (description="PSWB2 signal offset", quantity="")
<i>Int1d</i>	PSWB3 (description="PSWB3 signal offset", quantity="")
<i>Int1d</i>	PSWB4 (description="PSWB4 signal offset", quantity="")
<i>Int1d</i>	PSWB5 (description="PSWB5 signal offset", quantity="")
<i>Int1d</i>	PSWB6 (description="PSWB6 signal offset", quantity="")
<i>Int1d</i>	PSWB7 (description="PSWB7 signal offset", quantity="")
<i>Int1d</i>	PSWB8 (description="PSWB8 signal offset", quantity="")
<i>Int1d</i>	PSWB9 (description="PSWB9 signal offset", quantity="")
<i>Int1d</i>	PSWB10 (description="PSWB10 signal offset", quantity="")
<i>Int1d</i>	PSWB11 (description="PSWB11 signal offset", quantity="")
<i>Int1d</i>	PSWB12 (description="PSWB12 signal offset", quantity="")
<i>Int1d</i>	PSWB13 (description="PSWB13 signal offset", quantity="")
<i>Int1d</i>	PSWB14 (description="PSWB14 signal offset", quantity="")
<i>Int1d</i>	PSWB15 (description="PSWB15 signal offset", quantity="")
<i>Int1d</i>	PSWB16 (description="PSWB16 signal offset", quantity="")
<i>Int1d</i>	PSWC1 (description="PSWC1 signal offset", quantity="")
<i>Int1d</i>	PSWC2 (description="PSWC2 signal offset", quantity="")
<i>Int1d</i>	PSWC3 (description="PSWC3 signal offset", quantity="")
<i>Int1d</i>	PSWC4 (description="PSWC4 signal offset", quantity="")
<i>Int1d</i>	PSWC5 (description="PSWC5 signal offset", quantity="")
<i>Int1d</i>	PSWC6 (description="PSWC6 signal offset", quantity="")
<i>Int1d</i>	PSWC7 (description="PSWC7 signal offset", quantity="")
<i>Int1d</i>	PSWC8 (description="PSWC8 signal offset", quantity="")
<i>Int1d</i>	PSWC9 (description="PSWC9 signal offset", quantity="")
<i>Int1d</i>	PSWC10 (description="PSWC10 signal offset", quantity="")
<i>Int1d</i>	PSWC11 (description="PSWC11 signal offset", quantity="")
<i>Int1d</i>	PSWC12 (description="PSWC12 signal offset", quantity="")
<i>Int1d</i>	PSWC13 (description="PSWC13 signal offset", quantity="")
<i>Int1d</i>	PSWC14 (description="PSWC14 signal offset", quantity="")
<i>Int1d</i>	PSWC15 (description="PSWC15 signal offset", quantity="")

<i>Int1d</i>	PSWD1 (description="PSWD1 signal offset", quantity="")
<i>Int1d</i>	PSWD2 (description="PSWD2 signal offset", quantity="")
<i>Int1d</i>	PSWD3 (description="PSWD3 signal offset", quantity="")
<i>Int1d</i>	PSWD4 (description="PSWD4 signal offset", quantity="")
<i>Int1d</i>	PSWD5 (description="PSWD5 signal offset", quantity="")
<i>Int1d</i>	PSWD6 (description="PSWD6 signal offset", quantity="")
<i>Int1d</i>	PSWD7 (description="PSWD7 signal offset", quantity="")
<i>Int1d</i>	PSWD8 (description="PSWD8 signal offset", quantity="")
<i>Int1d</i>	PSWD9 (description="PSWD9 signal offset", quantity="")
<i>Int1d</i>	PSWD10 (description="PSWD10 signal offset", quantity="")
<i>Int1d</i>	PSWD11 (description="PSWD11 signal offset", quantity="")
<i>Int1d</i>	PSWD12 (description="PSWD12 signal offset", quantity="")
<i>Int1d</i>	PSWD13 (description="PSWD13 signal offset", quantity="")
<i>Int1d</i>	PSWD14 (description="PSWD14 signal offset", quantity="")
<i>Int1d</i>	PSWD15 (description="PSWD15 signal offset", quantity="")
<i>Int1d</i>	PSWD16 (description="PSWD16 signal offset", quantity="")
<i>Int1d</i>	PSWE1 (description="PSWE1 signal offset", quantity="")
<i>Int1d</i>	PSWE2 (description="PSWE2 signal offset", quantity="")
<i>Int1d</i>	PSWE3 (description="PSWE3 signal offset", quantity="")
<i>Int1d</i>	PSWE4 (description="PSWE4 signal offset", quantity="")
<i>Int1d</i>	PSWE5 (description="PSWE5 signal offset", quantity="")
<i>Int1d</i>	PSWE6 (description="PSWE6 signal offset", quantity="")
<i>Int1d</i>	PSWE7 (description="PSWE7 signal offset", quantity="")
<i>Int1d</i>	PSWE8 (description="PSWE8 signal offset", quantity="")
<i>Int1d</i>	PSWE9 (description="PSWE9 signal offset", quantity="")
<i>Int1d</i>	PSWE10 (description="PSWE10 signal offset", quantity="")
<i>Int1d</i>	PSWE11 (description="PSWE11 signal offset", quantity="")
<i>Int1d</i>	PSWE12 (description="PSWE12 signal offset", quantity="")
<i>Int1d</i>	PSWE13 (description="PSWE13 signal offset", quantity="")
<i>Int1d</i>	PSWE14 (description="PSWE14 signal offset", quantity="")
<i>Int1d</i>	PSWE15 (description="PSWE15 signal offset", quantity="")
<i>Int1d</i>	PSWF1 (description="PSWF1 signal offset", quantity="")
<i>Int1d</i>	PSWF2 (description="PSWF2 signal offset", quantity="")
<i>Int1d</i>	PSWF3 (description="PSWF3 signal offset", quantity="")
<i>Int1d</i>	PSWF4 (description="PSWF4 signal offset", quantity="")
<i>Int1d</i>	PSWF5 (description="PSWF5 signal offset", quantity="")
<i>Int1d</i>	PSWF6 (description="PSWF6 signal offset", quantity="")
<i>Int1d</i>	PSWF7 (description="PSWF7 signal offset", quantity="")
<i>Int1d</i>	PSWF8 (description="PSWF8 signal offset", quantity="")
<i>Int1d</i>	PSWF9 (description="PSWF9 signal offset", quantity="")
<i>Int1d</i>	PSWF10 (description="PSWF10 signal offset", quantity="")
<i>Int1d</i>	PSWF11 (description="PSWF11 signal offset", quantity="")

<i>Int1d</i>	PSWF12 (description="PSWF12 signal offset", quantity="")
<i>Int1d</i>	PSWF13 (description="PSWF13 signal offset", quantity="")
<i>Int1d</i>	PSWF14 (description="PSWF14 signal offset", quantity="")
<i>Int1d</i>	PSWF15 (description="PSWF15 signal offset", quantity="")
<i>Int1d</i>	PSWF16 (description="PSWF16 signal offset", quantity="")
<i>Int1d</i>	PSWG1 (description="PSWG1 signal offset", quantity="")
<i>Int1d</i>	PSWG2 (description="PSWG2 signal offset", quantity="")
<i>Int1d</i>	PSWG3 (description="PSWG3 signal offset", quantity="")
<i>Int1d</i>	PSWG4 (description="PSWG4 signal offset", quantity="")
<i>Int1d</i>	PSWG5 (description="PSWG5 signal offset", quantity="")
<i>Int1d</i>	PSWG6 (description="PSWG6 signal offset", quantity="")
<i>Int1d</i>	PSWG7 (description="PSWG7 signal offset", quantity="")
<i>Int1d</i>	PSWG8 (description="PSWG8 signal offset", quantity="")
<i>Int1d</i>	PSWG9 (description="PSWG9 signal offset", quantity="")
<i>Int1d</i>	PSWG10 (description="PSWG10 signal offset", quantity="")
<i>Int1d</i>	PSWG11 (description="PSWG11 signal offset", quantity="")
<i>Int1d</i>	PSWG12 (description="PSWG12 signal offset", quantity="")
<i>Int1d</i>	PSWG13 (description="PSWG13 signal offset", quantity="")
<i>Int1d</i>	PSWG14 (description="PSWG14 signal offset", quantity="")
<i>Int1d</i>	PSWG15 (description="PSWG15 signal offset", quantity="")
<i>Int1d</i>	PSWH1 (description="PSWH1 signal offset", quantity="")
<i>Int1d</i>	PSWH2 (description="PSWH2 signal offset", quantity="")
<i>Int1d</i>	PSWH3 (description="PSWH3 signal offset", quantity="")
<i>Int1d</i>	PSWH4 (description="PSWH4 signal offset", quantity="")
<i>Int1d</i>	PSWH5 (description="PSWH5 signal offset", quantity="")
<i>Int1d</i>	PSWH6 (description="PSWH6 signal offset", quantity="")
<i>Int1d</i>	PSWH7 (description="PSWH7 signal offset", quantity="")
<i>Int1d</i>	PSWH8 (description="PSWH8 signal offset", quantity="")
<i>Int1d</i>	PSWH9 (description="PSWH9 signal offset", quantity="")
<i>Int1d</i>	PSWH10 (description="PSWH10 signal offset", quantity="")
<i>Int1d</i>	PSWH11 (description="PSWH11 signal offset", quantity="")
<i>Int1d</i>	PSWH12 (description="PSWH12 signal offset", quantity="")
<i>Int1d</i>	PSWH13 (description="PSWH13 signal offset", quantity="")
<i>Int1d</i>	PSWH14 (description="PSWH14 signal offset", quantity="")
<i>Int1d</i>	PSWH15 (description="PSWH15 signal offset", quantity="")
<i>Int1d</i>	PSWH16 (description="PSWH16 signal offset", quantity="")
<i>Int1d</i>	PSWJ1 (description="PSWJ1 signal offset", quantity="")
<i>Int1d</i>	PSWJ2 (description="PSWJ2 signal offset", quantity="")
<i>Int1d</i>	PSWJ3 (description="PSWJ3 signal offset", quantity="")
<i>Int1d</i>	PSWJ4 (description="PSWJ4 signal offset", quantity="")
<i>Int1d</i>	PSWJ5 (description="PSWJ5 signal offset", quantity="")
<i>Int1d</i>	PSWJ6 (description="PSWJ6 signal offset", quantity="")

<i>Int1d</i>	PSWJ7 (description="PSWJ7 signal offset", quantity="")
<i>Int1d</i>	PSWJ8 (description="PSWJ8 signal offset", quantity="")
<i>Int1d</i>	PSWJ9 (description="PSWJ9 signal offset", quantity="")
<i>Int1d</i>	PSWJ10 (description="PSWJ10 signal offset", quantity="")
<i>Int1d</i>	PSWJ11 (description="PSWJ11 signal offset", quantity="")
<i>Int1d</i>	PSWJ12 (description="PSWJ12 signal offset", quantity="")
<i>Int1d</i>	PSWJ13 (description="PSWJ13 signal offset", quantity="")
<i>Int1d</i>	PSWJ14 (description="PSWJ14 signal offset", quantity="")
<i>Int1d</i>	PSWJ15 (description="PSWJ15 signal offset", quantity="")
<i>Int1d</i>	PSWDP1 (description="PSWDP1 signal offset", quantity="")
<i>Int1d</i>	PSWDP2 (description="PSWDP2 signal offset", quantity="")
<i>Int1d</i>	PSWR1 (description="PSWR1 signal offset", quantity="")
<i>Int1d</i>	PSWT1 (description="PSWT1 signal offset", quantity="")
<i>Int1d</i>	PSWT2 (description="PSWT2 signal offset", quantity="")
<i>Int1d</i>	PMWA1 (description="PMWA1 signal offset", quantity="")
<i>Int1d</i>	PMWA2 (description="PMWA2 signal offset", quantity="")
<i>Int1d</i>	PMWA3 (description="PMWA3 signal offset", quantity="")
<i>Int1d</i>	PMWA4 (description="PMWA4 signal offset", quantity="")
<i>Int1d</i>	PMWA5 (description="PMWA5 signal offset", quantity="")
<i>Int1d</i>	PMWA6 (description="PMWA6 signal offset", quantity="")
<i>Int1d</i>	PMWA7 (description="PMWA7 signal offset", quantity="")
<i>Int1d</i>	PMWA8 (description="PMWA8 signal offset", quantity="")
<i>Int1d</i>	PMWA9 (description="PMWA9 signal offset", quantity="")
<i>Int1d</i>	PMWA10 (description="PMWA10 signal offset", quantity="")
<i>Int1d</i>	PMWA11 (description="PMWA11 signal offset", quantity="")
<i>Int1d</i>	PMWA12 (description="PMWA12 signal offset", quantity="")
<i>Int1d</i>	PMWA13 (description="PMWA13 signal offset", quantity="")
<i>Int1d</i>	PMWB1 (description="PMWB1 signal offset", quantity="")
<i>Int1d</i>	PMWB2 (description="PMWB2 signal offset", quantity="")
<i>Int1d</i>	PMWB3 (description="PMWB3 signal offset", quantity="")
<i>Int1d</i>	PMWB4 (description="PMWB4 signal offset", quantity="")
<i>Int1d</i>	PMWB5 (description="PMWB5 signal offset", quantity="")
<i>Int1d</i>	PMWB6 (description="PMWB6 signal offset", quantity="")
<i>Int1d</i>	PMWB7 (description="PMWB7 signal offset", quantity="")
<i>Int1d</i>	PMWB8 (description="PMWB8 signal offset", quantity="")
<i>Int1d</i>	PMWB9 (description="PMWB9 signal offset", quantity="")
<i>Int1d</i>	PMWB10 (description="PMWB10 signal offset", quantity="")
<i>Int1d</i>	PMWB11 (description="PMWB11 signal offset", quantity="")
<i>Int1d</i>	PMWB12 (description="PMWB12 signal offset", quantity="")
<i>Int1d</i>	PMWC1 (description="PMWC1 signal offset", quantity="")
<i>Int1d</i>	PMWC2 (description="PMWC2 signal offset", quantity="")
<i>Int1d</i>	PMWC3 (description="PMWC3 signal offset", quantity="")

<i>Int1d</i>	PMWC4 (description="PMWC4 signal offset", quantity="")
<i>Int1d</i>	PMWC5 (description="PMWC5 signal offset", quantity="")
<i>Int1d</i>	PMWC6 (description="PMWC6 signal offset", quantity="")
<i>Int1d</i>	PMWC7 (description="PMWC7 signal offset", quantity="")
<i>Int1d</i>	PMWC8 (description="PMWC8 signal offset", quantity="")
<i>Int1d</i>	PMWC9 (description="PMWC9 signal offset", quantity="")
<i>Int1d</i>	PMWC10 (description="PMWC10 signal offset", quantity="")
<i>Int1d</i>	PMWC11 (description="PMWC11 signal offset", quantity="")
<i>Int1d</i>	PMWC12 (description="PMWC12 signal offset", quantity="")
<i>Int1d</i>	PMWC13 (description="PMWC13 signal offset", quantity="")
<i>Int1d</i>	PMWD1 (description="PMWD1 signal offset", quantity="")
<i>Int1d</i>	PMWD2 (description="PMWD2 signal offset", quantity="")
<i>Int1d</i>	PMWD3 (description="PMWD3 signal offset", quantity="")
<i>Int1d</i>	PMWD4 (description="PMWD4 signal offset", quantity="")
<i>Int1d</i>	PMWD5 (description="PMWD5 signal offset", quantity="")
<i>Int1d</i>	PMWD6 (description="PMWD6 signal offset", quantity="")
<i>Int1d</i>	PMWD7 (description="PMWD7 signal offset", quantity="")
<i>Int1d</i>	PMWD8 (description="PMWD8 signal offset", quantity="")
<i>Int1d</i>	PMWD9 (description="PMWD9 signal offset", quantity="")
<i>Int1d</i>	PMWD10 (description="PMWD10 signal offset", quantity="")
<i>Int1d</i>	PMWD11 (description="PMWD11 signal offset", quantity="")
<i>Int1d</i>	PMWD12 (description="PMWD12 signal offset", quantity="")
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<i>Int1d</i>	PMWE2 (description="PMWE2 signal offset", quantity="")
<i>Int1d</i>	PMWE3 (description="PMWE3 signal offset", quantity="")
<i>Int1d</i>	PMWE4 (description="PMWE4 signal offset", quantity="")
<i>Int1d</i>	PMWE5 (description="PMWE5 signal offset", quantity="")
<i>Int1d</i>	PMWE6 (description="PMWE6 signal offset", quantity="")
<i>Int1d</i>	PMWE7 (description="PMWE7 signal offset", quantity="")
<i>Int1d</i>	PMWE8 (description="PMWE8 signal offset", quantity="")
<i>Int1d</i>	PMWE9 (description="PMWE9 signal offset", quantity="")
<i>Int1d</i>	PMWE10 (description="PMWE10 signal offset", quantity="")
<i>Int1d</i>	PMWE11 (description="PMWE11 signal offset", quantity="")
<i>Int1d</i>	PMWE12 (description="PMWE12 signal offset", quantity="")
<i>Int1d</i>	PMWE13 (description="PMWE13 signal offset", quantity="")
<i>Int1d</i>	PMWF1 (description="PMWF1 signal offset", quantity="")
<i>Int1d</i>	PMWF2 (description="PMWF2 signal offset", quantity="")
<i>Int1d</i>	PMWF3 (description="PMWF3 signal offset", quantity="")
<i>Int1d</i>	PMWF4 (description="PMWF4 signal offset", quantity="")
<i>Int1d</i>	PMWF5 (description="PMWF5 signal offset", quantity="")
<i>Int1d</i>	PMWF6 (description="PMWF6 signal offset", quantity="")
<i>Int1d</i>	PMWF7 (description="PMWF7 signal offset", quantity="")

<i>Int1d</i>	PMWF8 (description="PMWF8 signal offset", quantity="")
<i>Int1d</i>	PMWF9 (description="PMWF9 signal offset", quantity="")
<i>Int1d</i>	PMWF10 (description="PMWF10 signal offset", quantity="")
<i>Int1d</i>	PMWF11 (description="PMWF11 signal offset", quantity="")
<i>Int1d</i>	PMWF12 (description="PMWF12 signal offset", quantity="")
<i>Int1d</i>	PMWG1 (description="PMWG1 signal offset", quantity="")
<i>Int1d</i>	PMWG2 (description="PMWG2 signal offset", quantity="")
<i>Int1d</i>	PMWG3 (description="PMWG3 signal offset", quantity="")
<i>Int1d</i>	PMWG4 (description="PMWG4 signal offset", quantity="")
<i>Int1d</i>	PMWG5 (description="PMWG5 signal offset", quantity="")
<i>Int1d</i>	PMWG6 (description="PMWG6 signal offset", quantity="")
<i>Int1d</i>	PMWG7 (description="PMWG7 signal offset", quantity="")
<i>Int1d</i>	PMWG8 (description="PMWG8 signal offset", quantity="")
<i>Int1d</i>	PMWG9 (description="PMWG9 signal offset", quantity="")
<i>Int1d</i>	PMWG10 (description="PMWG10 signal offset", quantity="")
<i>Int1d</i>	PMWG11 (description="PMWG11 signal offset", quantity="")
<i>Int1d</i>	PMWG12 (description="PMWG12 signal offset", quantity="")
<i>Int1d</i>	PMWG13 (description="PMWG13 signal offset", quantity="")
<i>Int1d</i>	PMWDP1 (description="PMWDP1 signal offset", quantity="")
<i>Int1d</i>	PMWDP2 (description="PMWDP2 signal offset", quantity="")
<i>Int1d</i>	PMWR1 (description="PMWR1 signal offset", quantity="")
<i>Int1d</i>	PMWT1 (description="PMWT1 signal offset", quantity="")
<i>Int1d</i>	PMWT2 (description="PMWT2 signal offset", quantity="")
<i>Int1d</i>	PLWA1 (description="PLWA1 signal offset", quantity="")
<i>Int1d</i>	PLWA2 (description="PLWA2 signal offset", quantity="")
<i>Int1d</i>	PLWA3 (description="PLWA3 signal offset", quantity="")
<i>Int1d</i>	PLWA4 (description="PLWA4 signal offset", quantity="")
<i>Int1d</i>	PLWA5 (description="PLWA5 signal offset", quantity="")
<i>Int1d</i>	PLWA6 (description="PLWA6 signal offset", quantity="")
<i>Int1d</i>	PLWA7 (description="PLWA7 signal offset", quantity="")
<i>Int1d</i>	PLWA8 (description="PLWA8 signal offset", quantity="")
<i>Int1d</i>	PLWA9 (description="PLWA9 signal offset", quantity="")
<i>Int1d</i>	PLWB1 (description="PLWB1 signal offset", quantity="")
<i>Int1d</i>	PLWB2 (description="PLWB2 signal offset", quantity="")
<i>Int1d</i>	PLWB3 (description="PLWB3 signal offset", quantity="")
<i>Int1d</i>	PLWB4 (description="PLWB4 signal offset", quantity="")
<i>Int1d</i>	PLWB5 (description="PLWB5 signal offset", quantity="")
<i>Int1d</i>	PLWB6 (description="PLWB6 signal offset", quantity="")
<i>Int1d</i>	PLWB7 (description="PLWB7 signal offset", quantity="")
<i>Int1d</i>	PLWB8 (description="PLWB8 signal offset", quantity="")
<i>Int1d</i>	PLWC1 (description="PLWC1 signal offset", quantity="")
<i>Int1d</i>	PLWC2 (description="PLWC2 signal offset", quantity="")

<i>Int1d</i>	PLWC3 (description="PLWC3 signal offset", quantity="")
<i>Int1d</i>	PLWC4 (description="PLWC4 signal offset", quantity="")
<i>Int1d</i>	PLWC5 (description="PLWC5 signal offset", quantity="")
<i>Int1d</i>	PLWC6 (description="PLWC6 signal offset", quantity="")
<i>Int1d</i>	PLWC7 (description="PLWC7 signal offset", quantity="")
<i>Int1d</i>	PLWC8 (description="PLWC8 signal offset", quantity="")
<i>Int1d</i>	PLWC9 (description="PLWC9 signal offset", quantity="")
<i>Int1d</i>	PLWD1 (description="PLWD1 signal offset", quantity="")
<i>Int1d</i>	PLWD2 (description="PLWD2 signal offset", quantity="")
<i>Int1d</i>	PLWD3 (description="PLWD3 signal offset", quantity="")
<i>Int1d</i>	PLWD4 (description="PLWD4 signal offset", quantity="")
<i>Int1d</i>	PLWD5 (description="PLWD5 signal offset", quantity="")
<i>Int1d</i>	PLWD6 (description="PLWD6 signal offset", quantity="")
<i>Int1d</i>	PLWD7 (description="PLWD7 signal offset", quantity="")
<i>Int1d</i>	PLWD8 (description="PLWD8 signal offset", quantity="")
<i>Int1d</i>	PLWE1 (description="PLWE1 signal offset", quantity="")
<i>Int1d</i>	PLWE2 (description="PLWE2 signal offset", quantity="")
<i>Int1d</i>	PLWE3 (description="PLWE3 signal offset", quantity="")
<i>Int1d</i>	PLWE4 (description="PLWE4 signal offset", quantity="")
<i>Int1d</i>	PLWE5 (description="PLWE5 signal offset", quantity="")
<i>Int1d</i>	PLWE6 (description="PLWE6 signal offset", quantity="")
<i>Int1d</i>	PLWE7 (description="PLWE7 signal offset", quantity="")
<i>Int1d</i>	PLWE8 (description="PLWE8 signal offset", quantity="")
<i>Int1d</i>	PLWE9 (description="PLWE9 signal offset", quantity="")
<i>Int1d</i>	PLWDP1 (description="PLWDP1 signal offset", quantity="")
<i>Int1d</i>	PLWDP2 (description="PLWDP2 signal offset", quantity="")
<i>Int1d</i>	PLWR1 (description="PLWR1 signal offset", quantity="")
<i>Int1d</i>	PLWT1 (description="PLWT1 signal offset", quantity="")
<i>Int1d</i>	PLWT2 (description="PLWT2 signal offset", quantity="")
<i>Int1d</i>	PTCP3 (description="PTCP3 signal offset", quantity="")
<i>Int1d</i>	PTCP2 (description="PTCP2 signal offset", quantity="")
<i>Int1d</i>	PTCP1 (description="PTCP1 signal offset", quantity="")
<i>Long1d</i>	obsid (description="Observation ID", quantity="")
<i>compos- ite</i>	(description="History of product")
<i>Metadata</i>	
<i>LongParameter</i>	id (description="Unique ID")
<i>table dataset</i>	(description="History as Jython script")
<i>Metadata</i>	
<i>StringParameter</i>	outvar (description="last output variable")
<i>String1d</i>	Lines (description="script lines", quantity="none")
<i>table dataset</i>	(description="History of tasks")

<i>Metadata</i>	
<i>LongId</i>	ID (description="Links the parameter and task table", quantity="none")
<i>StringId</i>	Name (description="The name of the task", quantity="none")
<i>LongId</i>	ExecDate (description="Time of execution (FINETIME)", quantity="none")
<i>BoolId</i>	Succeeded (description="Flag for success/failed", quantity="none")
<i>LongId</i>	HistoryId (description="Id of current history", quantity="none")
<i>table dataset</i>	(description="The parameters belonging to the task history")
<i>Metadata</i>	
<i>LongId</i>	TaskID (description="Links the parameter and task table", quantity="none")
<i>StringId</i>	Name (description="The name of the parameter", quantity="none")
<i>StringId</i>	Type (description="Type of parameter", quantity="none")
<i>StringId</i>	Value (description="String representation of the parameter value", quantity="none")
<i>BoolId</i>	IsDefault (description="True if the default value has been used", quantity="none")
<i>LongId</i>	IncHistoryId (description="ID of the history of an included product", quantity="none")
<i>IntId</i>	IncNumTask (description="Number of tasks to include from history", quantity="none")
<i>LongId</i>	HistoryId (description="Id of current history", quantity="none")
<i>BoolId</i>	UserInput (description="Needs user input", quantity="none")

6.2. SPIRE Photometer Calibration Products

6.2.1. SCalPhotChanNum

<i>product (type="SCalPhotChanNum", description="Photometer Channel Number Mapping Table")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="null")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="null")
DateParameter	startDate (description="null")
DateParameter	endDate (description="null")
StringParameter	version (description="null")
StringParameter	fileName (description="null")
<i>table dataset</i>	(description="Table for PSW array")
<i>Metadata</i>	

<i>StringId</i>	names (description="Channel names", quantity="")
<i>IntId</i>	fullChannel (description="Full Channel Number", quantity="")
<i>IntId</i>	indivChannel (description="Individual Channel Number", quantity="")
<i>BoolId</i>	isAligned (description="Aligned Channels", quantity="")
<i>IntId</i>	jfetGroup (description="JFET group", quantity="")
<i>IntId</i>	liaBoard (description="LIA board", quantity="")
<i>BoolId</i>	isConnected (description="Connected Channels", quantity="")
<i>BoolId</i>	isBolometer (description="Bolometer Channels", quantity="")
<i>BoolId</i>	isThermistor (description="Thermistor Channels", quantity="")
<i>BoolId</i>	isResistor (description="Resistor Channels", quantity="")
<i>BoolId</i>	isDark (description="Dark Channels", quantity="")
<i>BoolId</i>	isPtc (description="PTC Channels", quantity="")
<i>table dataset</i>	(description="Table for PMW array")
<i>Metadata</i>	
<i>StringId</i>	names (description="Channel names", quantity="")
<i>IntId</i>	fullChannel (description="Full Channel Number", quantity="")
<i>IntId</i>	indivChannel (description="Individual Channel Number", quantity="")
<i>BoolId</i>	isAligned (description="Aligned Channels", quantity="")
<i>IntId</i>	jfetGroup (description="JFET group", quantity="")
<i>IntId</i>	liaBoard (description="LIA board", quantity="")
<i>BoolId</i>	isConnected (description="Connected Channels", quantity="")
<i>BoolId</i>	isBolometer (description="Bolometer Channels", quantity="")
<i>BoolId</i>	isThermistor (description="Thermistor Channels", quantity="")
<i>BoolId</i>	isResistor (description="Resistor Channels", quantity="")
<i>BoolId</i>	isDark (description="Dark Channels", quantity="")
<i>BoolId</i>	isPtc (description="PTC Channels", quantity="")
<i>table dataset</i>	(description="Table for PLW array")
<i>Metadata</i>	
<i>StringId</i>	names (description="Channel names", quantity="")
<i>IntId</i>	fullChannel (description="Full Channel Number", quantity="")
<i>IntId</i>	indivChannel (description="Individual Channel Number", quantity="")
<i>BoolId</i>	isAligned (description="Aligned Channels", quantity="")
<i>IntId</i>	jfetGroup (description="JFET group", quantity="")
<i>IntId</i>	liaBoard (description="LIA board", quantity="")
<i>BoolId</i>	isConnected (description="Connected Channels", quantity="")
<i>BoolId</i>	isBolometer (description="Bolometer Channels", quantity="")
<i>BoolId</i>	isThermistor (description="Thermistor Channels", quantity="")
<i>BoolId</i>	isResistor (description="Resistor Channels", quantity="")
<i>BoolId</i>	isDark (description="Dark Channels", quantity="")
<i>BoolId</i>	isPtc (description="PTC Channels", quantity="")

<i>table dataset</i>	<i>(description="Table for PTC array")</i>	
<i>Metadata</i>		
<i>StringId</i>	names	(description="Channel names", quantity="")
<i>IntId</i>	fullChannel	(description="Full Channel Number", quantity="")
<i>IntId</i>	indivChannel	(description="Individual Channel Number", quantity="")
<i>BoolId</i>	isAligned	(description="Aligned Channels", quantity="")
<i>IntId</i>	jfetGroup	(description="JFET group", quantity="")
<i>IntId</i>	liaBoard	(description="LIA board", quantity="")
<i>BoolId</i>	isConnected	(description="Connected Channels", quantity="")
<i>BoolId</i>	isBolometer	(description="Bolometer Channels", quantity="")
<i>BoolId</i>	isThermistor	(description="Thermistor Channels", quantity="")
<i>BoolId</i>	isResistor	(description="Resistor Channels", quantity="")
<i>BoolId</i>	isDark	(description="Dark Channels", quantity="")
<i>BoolId</i>	isPtc	(description="PTC Channels", quantity="")

6.2.2. SCalPhotChanTimeOff

<i>product (type="SCalPhotChanTimeOff", description="Photometer Channel Time Offset Table")</i>		
<i>Metadata</i>		
StringParameter	type	(description="Product Type Identification")
StringParameter	creator	(description="null")
DateParameter	creationDate	(description="Creation date of this product")
StringParameter	description	(description="Name of this product")
StringParameter	instrument	(description="Instrument attached to this product")
StringParameter	modelName	(description="null")
DateParameter	startDate	(description="null")
DateParameter	endDate	(description="null")
StringParameter	version	(description="null")
StringParameter	fileName	(description="null")
<i>table dataset</i>	<i>(description="Table for PSW array")</i>	
<i>Metadata</i>		
<i>StringId</i>	names	(description="Channel names", quantity="")
<i>DoubleId</i>	offsetSingle	(description="Time offset relative to single array readout", quantity="s")
<i>DoubleId</i>	offsetFull	(description="Time offset relative to full array readout", quantity="s")
<i>table dataset</i>	<i>(description="Table for PMW array")</i>	
<i>Metadata</i>		
<i>StringId</i>	names	(description="Channel names", quantity="")
<i>DoubleId</i>		

	offsetSingle (description="Time offset relative to single array readout", quantity="s")
<i>DoubleId</i>	offsetFull (description="Time offset relative to full array readout", quantity="s")
<i>table dataset</i>	(description="Table for PLW array")
<i>Metadata</i>	
<i>StringId</i>	names (description="Channel names", quantity="")
<i>DoubleId</i>	offsetSingle (description="Time offset relative to single array readout", quantity="s")
<i>DoubleId</i>	offsetFull (description="Time offset relative to full array readout", quantity="s")
<i>table dataset</i>	(description="Table for PTC array")
<i>Metadata</i>	
<i>StringId</i>	names (description="Channel names", quantity="")
<i>DoubleId</i>	offsetSingle (description="Time offset relative to single array readout", quantity="s")
<i>DoubleId</i>	offsetFull (description="Time offset relative to full array readout", quantity="s")

6.2.3. SCalPhotChanMask

<i>product</i> (type="SCalPhotChanMask", description="Photometer Channel Mask Table")	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="null")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="null")
DateParameter	startDate (description="null")
DateParameter	endDate (description="null")
StringParameter	version (description="null")
StringParameter	fileName (description="null")
<i>table dataset</i>	(description="Table for PSW array")
<i>Metadata</i>	
<i>StringId</i>	names (description="Channel names", quantity="")
<i>BoolId</i>	isDead (description="Dead Channels", quantity="")
<i>BoolId</i>	isNoisy (description="Noisy Channels", quantity="")
<i>table dataset</i>	(description="Table for PMW array")
<i>Metadata</i>	

	<i>StringId</i>	names (description="Channel names", quantity="")
	<i>BoolId</i>	isDead (description="Dead Channels", quantity="")
	<i>BoolId</i>	isNoisy (description="Noisy Channels", quantity="")
<i>table dataset</i>	(description="Table for PLW array")	
<i>Metadata</i>		
	<i>StringId</i>	names (description="Channel names", quantity="")
	<i>BoolId</i>	isDead (description="Dead Channels", quantity="")
	<i>BoolId</i>	isNoisy (description="Noisy Channels", quantity="")
<i>table dataset</i>	(description="Table for PTC array")	
<i>Metadata</i>		
	<i>StringId</i>	names (description="Channel names", quantity="")
	<i>BoolId</i>	isDead (description="Dead Channels", quantity="")
	<i>BoolId</i>	isNoisy (description="Noisy Channels", quantity="")

6.2.4. SCalPhotChanGain

<i>product</i> (type="SCalPhotChanGain", description="Photometer Channel Gain Table")		
<i>Metadata</i>		
StringParameter	type (description="Product Type Identification")	
StringParameter	creator (description="null")	
DateParameter	creationDate (description="Creation date of this product")	
StringParameter	description (description="Name of this product")	
StringParameter	instrument (description="Instrument attached to this product")	
StringParameter	modelName (description="null")	
DateParameter	startDate (description="null")	
DateParameter	endDate (description="null")	
StringParameter	version (description="null")	
DoubleParameter	refBiasFreq (description="Reference bias frequency")	
DoubleParameter	param (description="Frequency dependency parameter")	
StringParameter	fileName (description="null")	
<i>table dataset</i>	(description="Table for PSW array")	
<i>Metadata</i>		
	<i>StringId</i>	names (description="Channel names", quantity="")
	<i>DoubleId</i>	totGain (description="LIA plus amplifier gain", quantity="")
	<i>DoubleId</i>	jfetGain (description="JFET Gain", quantity="")
<i>table dataset</i>	(description="Table for PMW array")	
<i>Metadata</i>		

	<i>StringId</i>	names (description="Channel names", quantity="")
	<i>DoubleId</i>	totGain (description="LIA plus amplifier gain", quantity="")
	<i>DoubleId</i>	jfetGain (description="JFET Gain", quantity="")
<i>table dataset</i>	(description="Table for PLW array")	
<i>Metadata</i>		
	<i>StringId</i>	names (description="Channel names", quantity="")
	<i>DoubleId</i>	totGain (description="LIA plus amplifier gain", quantity="")
	<i>DoubleId</i>	jfetGain (description="JFET Gain", quantity="")
<i>table dataset</i>	(description="Table for PTC array")	
<i>Metadata</i>		
	<i>StringId</i>	names (description="Channel names", quantity="")
	<i>DoubleId</i>	totGain (description="LIA plus amplifier gain", quantity="")
	<i>DoubleId</i>	jfetGain (description="JFET Gain", quantity="")

6.2.5. SCalPhotChanNoise

<i>product (type="SCalPhotChanNoise", description="Photometer Channel Noise Table")</i>		
<i>Metadata</i>		
<i>StringParameter</i>	type (description="Product Type Identification")	
<i>StringParameter</i>	creator (description="null")	
<i>DateParameter</i>	creationDate (description="Creation date of this product")	
<i>StringParameter</i>	description (description="Name of this product")	
<i>StringParameter</i>	instrument (description="Instrument attached to this product")	
<i>StringParameter</i>	modelName (description="null")	
<i>DateParameter</i>	startDate (description="null")	
<i>DateParameter</i>	endDate (description="null")	
<i>StringParameter</i>	version (description="null")	
<i>DoubleParameter</i>	biasFreq (description="null")	
<i>DoubleParameter</i>	biasAmpl (description="null")	
<i>DoubleParameter</i>	maxFreq (description="null")	
<i>DoubleParameter</i>	minFreq (description="null")	
<i>DoubleParameter</i>	numSpec (description="Number of coadded spectra")	
<i>LongParameter</i>	numSpec_ILLEGAL_FORMAT (description="null")	
<i>StringParameter</i>	fileName (description="null")	
<i>table dataset</i>	(description="Channel table for PSW array")	
<i>Metadata</i>		

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<i>Double1d</i>	frequency (description="Label for column 1", quantity="Hz")
<i>Double1d</i>	PSWA1 (description="Label for column 69", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWA2 (description="Label for column 64", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWA3 (description="Label for column 63", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWA4 (description="Label for column 58", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWA5 (description="Label for column 53", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWA6 (description="Label for column 121", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWA7 (description="Label for column 116", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWA8 (description="Label for column 109", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWA9 (description="Label for column 104", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWA10 (description="Label for column 99", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWA11 (description="Label for column 23", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWA12 (description="Label for column 18", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWA13 (description="Label for column 13", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWA14 (description="Label for column 12", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWA15 (description="Label for column 7", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWB1 (description="Label for column 71", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWB2 (description="Label for column 67", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWB3 (description="Label for column 62", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWB4 (description="Label for column 60", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWB5 (description="Label for column 55", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWB6 (description="Label for column 51", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWB7 (description="Label for column 118", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWB8 (description="Label for column 113", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWB9 (description="Label for column 107", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWB10 (description="Label for column 102", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWB11 (description="Label for column 25", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWB12 (description="Label for column 21", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWB13 (description="Label for column 16", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWB14 (description="Label for column 14", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWB15 (description="Label for column 9", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWB16 (description="Label for column 5", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWC1 (description="Label for column 70", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWC2 (description="Label for column 66", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWC3 (description="Label for column 61", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWC4 (description="Label for column 57", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWC5 (description="Label for column 52", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWC6 (description="Label for column 119", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWC7 (description="Label for column 114", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWC8 (description="Label for column 110", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWC9 (description="Label for column 106", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWC10 (description="Label for column 101", quantity="V/sqrt(Hz)")

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<i>Double1d</i>	PSWC11 (description="Label for column 24", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWC12 (description="Label for column 19", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWC13 (description="Label for column 15", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWC14 (description="Label for column 10", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWC15 (description="Label for column 6", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWD1 (description="Label for column 73", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWD2 (description="Label for column 68", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWD3 (description="Label for column 65", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWD4 (description="Label for column 59", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWD5 (description="Label for column 56", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWD6 (description="Label for column 50", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWD7 (description="Label for column 117", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWD8 (description="Label for column 112", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWD9 (description="Label for column 108", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWD10 (description="Label for column 103", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWD11 (description="Label for column 98", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWD12 (description="Label for column 20", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWD13 (description="Label for column 17", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWD14 (description="Label for column 11", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWD15 (description="Label for column 8", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWD16 (description="Label for column 3", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWE1 (description="Label for column 26", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWE2 (description="Label for column 38", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWE3 (description="Label for column 43", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWE4 (description="Label for column 47", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWE5 (description="Label for column 54", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWE6 (description="Label for column 120", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWE7 (description="Label for column 115", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWE8 (description="Label for column 111", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWE9 (description="Label for column 105", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWE10 (description="Label for column 100", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWE11 (description="Label for column 22", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWE12 (description="Label for column 76", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWE13 (description="Label for column 80", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWE14 (description="Label for column 85", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWE15 (description="Label for column 97", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWF1 (description="Label for column 27", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWF2 (description="Label for column 33", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWF3 (description="Label for column 39", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWF4 (description="Label for column 44", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWF5 (description="Label for column 49", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWF6 (description="Label for column 125", quantity="V/sqrt(Hz)")

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<i>Double1d</i>	PSWF7 (description="Label for column 128", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWF8 (description="Label for column 132", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWF9 (description="Label for column 135", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWF10 (description="Label for column 139", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWF11 (description="Label for column 142", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWF12 (description="Label for column 74", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWF13 (description="Label for column 79", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWF14 (description="Label for column 84", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWF15 (description="Label for column 90", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWF16 (description="Label for column 96", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWG1 (description="Label for column 30", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWG2 (description="Label for column 35", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWG3 (description="Label for column 40", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWG4 (description="Label for column 45", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWG5 (description="Label for column 122", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWG6 (description="Label for column 126", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWG7 (description="Label for column 130", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWG8 (description="Label for column 133", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWG9 (description="Label for column 137", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWG10 (description="Label for column 141", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWG11 (description="Label for column 145", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWG12 (description="Label for column 78", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWG13 (description="Label for column 83", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWG14 (description="Label for column 88", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWG15 (description="Label for column 93", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWH1 (description="Label for column 29", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWH2 (description="Label for column 32", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWH3 (description="Label for column 36", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWH4 (description="Label for column 41", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWH5 (description="Label for column 46", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWH6 (description="Label for column 123", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWH7 (description="Label for column 127", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWH8 (description="Label for column 131", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWH9 (description="Label for column 136", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWH10 (description="Label for column 140", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWH11 (description="Label for column 144", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWH12 (description="Label for column 77", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWH13 (description="Label for column 82", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWH14 (description="Label for column 87", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWH15 (description="Label for column 91", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWH16 (description="Label for column 94", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PSWJ1 (description="Label for column 31", quantity="V/sqrt(Hz)")

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<i>DoubleId</i>	PSWJ2 (description="Label for column 34", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PSWJ3 (description="Label for column 37", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PSWJ4 (description="Label for column 42", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PSWJ5 (description="Label for column 48", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PSWJ6 (description="Label for column 124", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PSWJ7 (description="Label for column 129", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PSWJ8 (description="Label for column 134", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PSWJ9 (description="Label for column 138", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PSWJ10 (description="Label for column 143", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PSWJ11 (description="Label for column 75", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PSWJ12 (description="Label for column 81", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PSWJ13 (description="Label for column 86", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PSWJ14 (description="Label for column 89", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PSWJ15 (description="Label for column 92", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PSWDP1 (description="Label for column 72", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PSWDP2 (description="Label for column 95", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PSWR1 (description="Label for column 2", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PSWT1 (description="Label for column 4", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PSWT2 (description="Label for column 28", quantity="V/sqrt(Hz)")
<i>table dataset</i>	(description="Channel table for PMW array")
<i>Metadata</i>	
<i>DoubleId</i>	frequency (description="Label for column 1", quantity="Hz")
<i>DoubleId</i>	PMWA1 (description="Label for column 272", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWA2 (description="Label for column 269", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWA3 (description="Label for column 268", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWA4 (description="Label for column 286", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWA5 (description="Label for column 279", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWA6 (description="Label for column 276", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWA7 (description="Label for column 275", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWA8 (description="Label for column 214", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWA9 (description="Label for column 212", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWA10 (description="Label for column 207", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWA11 (description="Label for column 202", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWA12 (description="Label for column 198", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWA13 (description="Label for column 194", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWB1 (description="Label for column 271", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWB2 (description="Label for column 266", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWB3 (description="Label for column 264", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWB4 (description="Label for column 283", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWB5 (description="Label for column 280", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWB6 (description="Label for column 277", quantity="V/sqrt(Hz)")

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<i>DoubleId</i>	PMWB7 (description="Label for column 217", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWB8 (description="Label for column 213", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWB9 (description="Label for column 209", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWB10 (description="Label for column 206", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWB11 (description="Label for column 201", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWB12 (description="Label for column 196", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWC1 (description="Label for column 274", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWC2 (description="Label for column 270", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWC3 (description="Label for column 265", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWC4 (description="Label for column 263", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWC5 (description="Label for column 284", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWC6 (description="Label for column 281", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWC7 (description="Label for column 278", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWC8 (description="Label for column 216", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWC9 (description="Label for column 211", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWC10 (description="Label for column 210", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWC11 (description="Label for column 205", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWC12 (description="Label for column 200", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWC13 (description="Label for column 197", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWD1 (description="Label for column 222", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWD2 (description="Label for column 267", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWD3 (description="Label for column 229", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWD4 (description="Label for column 285", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWD5 (description="Label for column 235", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWD6 (description="Label for column 282", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWD7 (description="Label for column 252", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWD8 (description="Label for column 215", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWD9 (description="Label for column 259", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWD10 (description="Label for column 208", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWD11 (description="Label for column 204", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWD12 (description="Label for column 199", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWE1 (description="Label for column 221", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWE2 (description="Label for column 224", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWE3 (description="Label for column 228", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWE4 (description="Label for column 232", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWE5 (description="Label for column 234", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWE6 (description="Label for column 238", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWE7 (description="Label for column 251", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWE8 (description="Label for column 254", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWE9 (description="Label for column 257", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWE10 (description="Label for column 261", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PMWE11 (description="Label for column 243", quantity="V/sqrt(Hz)")

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<i>Double1d</i>	PMWE12 (description="Label for column 246", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PMWE13 (description="Label for column 203", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PMWF1 (description="Label for column 223", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PMWF2 (description="Label for column 226", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PMWF3 (description="Label for column 230", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PMWF4 (description="Label for column 233", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PMWF5 (description="Label for column 236", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PMWF6 (description="Label for column 240", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PMWF7 (description="Label for column 253", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PMWF8 (description="Label for column 256", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PMWF9 (description="Label for column 260", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PMWF10 (description="Label for column 242", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PMWF11 (description="Label for column 245", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PMWF12 (description="Label for column 248", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PMWG1 (description="Label for column 219", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PMWG2 (description="Label for column 225", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PMWG3 (description="Label for column 227", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PMWG4 (description="Label for column 231", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PMWG5 (description="Label for column 237", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PMWG6 (description="Label for column 239", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PMWG7 (description="Label for column 241", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PMWG8 (description="Label for column 255", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PMWG9 (description="Label for column 258", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PMWG10 (description="Label for column 262", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PMWG11 (description="Label for column 244", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PMWG12 (description="Label for column 247", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PMWG13 (description="Label for column 249", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PMWDP1 (description="Label for column 273", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PMWDP2 (description="Label for column 250", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PMWR1 (description="Label for column 218", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PMWT1 (description="Label for column 195", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PMWT2 (description="Label for column 220", quantity="V/sqrt(Hz)")
<i>table dataset</i>	(description="Channel table for PLW array")
<i>Metadata</i>	
<i>Double1d</i>	frequency (description="Label for column 1", quantity="Hz")
<i>Double1d</i>	PLWA1 (description="Label for column 167", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWA2 (description="Label for column 169", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWA3 (description="Label for column 165", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWA4 (description="Label for column 166", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWA5 (description="Label for column 157", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWA6 (description="Label for column 149", quantity="V/sqrt(Hz)")

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<i>Double1d</i>	PLWA7 (description="Label for column 148", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWA8 (description="Label for column 147", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWA9 (description="Label for column 150", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWB1 (description="Label for column 164", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWB2 (description="Label for column 163", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWB3 (description="Label for column 161", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWB4 (description="Label for column 159", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWB5 (description="Label for column 155", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWB6 (description="Label for column 156", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWB7 (description="Label for column 153", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWB8 (description="Label for column 152", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWC1 (description="Label for column 178", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWC2 (description="Label for column 162", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWC3 (description="Label for column 179", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWC4 (description="Label for column 160", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWC5 (description="Label for column 180", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWC6 (description="Label for column 183", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWC7 (description="Label for column 154", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWC8 (description="Label for column 184", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWC9 (description="Label for column 151", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWD1 (description="Label for column 174", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWD2 (description="Label for column 175", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWD3 (description="Label for column 176", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWD4 (description="Label for column 177", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWD5 (description="Label for column 185", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWD6 (description="Label for column 186", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWD7 (description="Label for column 187", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWD8 (description="Label for column 188", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWE1 (description="Label for column 170", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWE2 (description="Label for column 171", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWE3 (description="Label for column 172", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWE4 (description="Label for column 173", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWE5 (description="Label for column 182", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWE6 (description="Label for column 190", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWE7 (description="Label for column 189", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWE8 (description="Label for column 191", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWE9 (description="Label for column 193", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWDP1 (description="Label for column 168", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWDP2 (description="Label for column 192", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWR1 (description="Label for column 146", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWT1 (description="Label for column 158", quantity="V/sqrt(Hz)")
<i>Double1d</i>	PLWT2 (description="Label for column 181", quantity="V/sqrt(Hz)")

<i>table dataset</i>	<i>(description="Channel table for PTC array")</i>	
<i>Metadata</i>		
<i>DoubleId</i>	frequency	(description="Label for column 1", quantity="Hz")
<i>DoubleId</i>	PTCP3	(description="Label for column 289", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PTCP2	(description="Label for column 288", quantity="V/sqrt(Hz)")
<i>DoubleId</i>	PTCP1	(description="Label for column 287", quantity="V/sqrt(Hz)")

6.2.6. SCalPhotLpfPar

<i>product (type="SCalPhotLpfPar", description="Photometer Low Pass Filter Parameters")</i>		
<i>Metadata</i>		
StringParameter	type	(description="Product Type Identification")
StringParameter	creator	(description="null")
DateParameter	creationDate	(description="Creation date of this product")
StringParameter	description	(description="Name of this product")
StringParameter	instrument	(description="Instrument attached to this product")
StringParameter	modelName	(description="null")
DateParameter	startDate	(description="null")
DateParameter	endDate	(description="null")
StringParameter	version	(description="null")
StringParameter	fileName	(description="null")
<i>table dataset</i>	<i>(description="Low Pass Filter Parameters Table")</i>	
<i>Metadata</i>		
<i>IntId</i>	filter	(description="Filter Number", quantity="none")
<i>DoubleId</i>	r1	(description="Filter Resistor 1", quantity="?")
<i>DoubleId</i>	r2	(description="Filter Resistor 2", quantity="?")
<i>DoubleId</i>	r3	(description="Filter Resistor 3", quantity="?")
<i>DoubleId</i>	r4	(description="Filter Resistor 4", quantity="?")
<i>DoubleId</i>	c1	(description="Filter Capacitor 1", quantity="F")
<i>DoubleId</i>	c2	(description="Filter Capacitor 2", quantity="F")

6.2.7. SCalPhotBsmOps

<i>product (type="SCalPhotBsmOps", description="Photometer BSM Operations Table")</i>		
<i>Metadata</i>		
StringParameter	type	(description="Product Type Identification")
StringParameter	creator	(description="null")
DateParameter	creationDate	(description="Creation date of this product")
StringParameter	description	(description="Name of this product")
StringParameter	instrument	(description="Instrument attached to this product")
StringParameter	modelName	(description="null")

DateParameter	startDate (description="null")
DateParameter	endDate (description="null")
StringParameter	version (description="null")
DoubleParameter	chopMaxSpeed (description="Speed limit for stabilisation in chop")
DoubleParameter	jiggMaxSpeed (description="Speed limit for stabilisation in jigg")
StringParameter	fileName (description="null")
<i>table dataset</i>	(description="Simple Chopping")
<i>Metadata</i>	
StringParameter	obsMode (description="null")
<i>StringId</i>	chopBeamId (description="Chopper Beam Identifier", quantity="")
<i>IntId</i>	chopSens (description="Target sensor signal in chop direction", quantity="")
<i>IntId</i>	chopHiTol (description="Positive tolerance in chop sensor signal", quantity="")
<i>IntId</i>	chopLoTol (description="Negative tolerance in chop sensor signal", quantity="")
<i>IntId</i>	jiggId (description="Jiggle Position Identifier", quantity="")
<i>IntId</i>	jiggSens (description="Target sensor signal in jiggle direction", quantity="")
<i>IntId</i>	jiggHiTol (description="Positive tolerance in jiggle sensor signal", quantity="")
<i>IntId</i>	jiggLoTol (description="Negative tolerance in jiggle sensor signal", quantity="")
<i>table dataset</i>	(description="7 Point Jiggle Map")
<i>Metadata</i>	
StringParameter	obsMode (description="null")
<i>StringId</i>	chopBeamId (description="Chopper Beam Identifier", quantity="")
<i>IntId</i>	chopSens (description="Target sensor signal in chop direction", quantity="")
<i>IntId</i>	chopHiTol (description="Positive tolerance in chop sensor signal", quantity="")
<i>IntId</i>	chopLoTol (description="Negative tolerance in chop sensor signal", quantity="")
<i>IntId</i>	jiggId (description="Jiggle Position Identifier", quantity="")
<i>IntId</i>	jiggSens (description="Target sensor signal in jiggle direction", quantity="")
<i>IntId</i>	jiggHiTol (description="Positive tolerance in jiggle sensor signal", quantity="")
<i>IntId</i>	jiggLoTol (description="Negative tolerance in jiggle sensor signal", quantity="")
<i>table dataset</i>	(description="N Point Jiggle Map")
<i>Metadata</i>	
StringParameter	obsMode (description="null")

<i>StringId</i>	chopBeamId (description="Chopper Beam Identifier", quantity="")
<i>IntId</i>	chopSens (description="Target sensor signal in chop direction", quantity="")
<i>IntId</i>	chopHiTol (description="Positive tolerance in chop sensor signal", quantity="")
<i>IntId</i>	chopLoTol (description="Negative tolerance in chop sensor signal", quantity="")
<i>IntId</i>	jiggId (description="Jiggle Position Identifier", quantity="")
<i>IntId</i>	jiggSens (description="Target sensor signal in jiggle direction", quantity="")
<i>IntId</i>	jiggHiTol (description="Positive tolerance in jiggle sensor signal", quantity="")
<i>IntId</i>	jiggLoTol (description="Negative tolerance in jiggle sensor signal", quantity="")

6.2.8. SCalPhotBsmPos

<i>product</i> (type="SCalPhotBsmPos", description="Photometer BSM Position Table")	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="null")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="null")
DateParameter	startDate (description="null")
DateParameter	endDate (description="null")
StringParameter	version (description="null")
LongParameter	chopRestPos (description="Chopper Sensor Rest Position")
LongParameter	jiggRestPos (description="Jiggle Sensor Rest Position")
LongParameter	chopHardLimit1 (description="Chopper Sensor Hard Limit 1")
LongParameter	chopHardLimit2 (description="Chopper Sensor Hard Limit 2")
LongParameter	jiggHardLimit1 (description="Jiggle Sensor Hard Limit 1")
LongParameter	jiggHardLimit2 (description="Jiggle Sensor Hard Limit 2")
LongParameter	chopSoftLimit1 (description="Chopper Sensor Soft Limit 1")
LongParameter	chopSoftLimit2 (description="Chopper Sensor Soft Limit 2")
LongParameter	jiggSoftLimit1 (description="Jiggle Sensor Soft Limit 1")
LongParameter	jiggSoftLimit2 (description="Jiggle Sensor Soft Limit 2")
StringParameter	fileName (description="null")
<i>table dataset</i>	(description="BSM angles versus chopper and jiggle sensors values")
<i>Metadata</i>	
<i>DoubleId</i>	yangle (description="Chopper Angle", quantity=" [4.84813681109536E-6 rad]")

<i>DoubleId</i>	yangleError (description="Error on Chopper Angle", quantity="" [4.84813681109536E-6 rad])
<i>DoubleId</i>	zangle (description="Jiggle Angle", quantity="" [4.84813681109536E-6 rad])
<i>DoubleId</i>	zangleError (description="Error on Jiggle Angle", quantity="" [4.84813681109536E-6 rad])
<i>IntId</i>	chopSensor (description="Chopper Sensor", quantity="")
<i>IntId</i>	jiggSensor (description="Jiggle Sensor", quantity="")

6.2.9. SCalPhotBolPar

<i>product</i> (type="SCalPhotBolPar", description="Photometer Bolometer Parameter Table")	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="null")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="null")
DateParameter	startDate (description="null")
DateParameter	endDate (description="null")
StringParameter	version (description="null")
StringParameter	fileName (description="null")
<i>table dataset</i>	(description="Table for PSW array")
<i>Metadata</i>	
DoubleParameter	tempT0 (description="Reference Temperature for Bolometer Thermal Conductivity T0")
<i>StringId</i>	names (description="Channel names", quantity="")
<i>DoubleId</i>	loadResPos (description="Load resistance positive bias resistor", quantity="??")
<i>DoubleId</i>	loadResNeg (description="Load resistance negative bias resistor", quantity="??")
<i>DoubleId</i>	resR0 (description="Bolometer Electric Resistance at Temperature de", quantity="??")
<i>DoubleId</i>	delta (description="Reference Temperature for Bolometer Resistance", quantity="K")
<i>DoubleId</i>	capac (description="Electrical Capacitance of Cable", quantity="F")
<i>DoubleId</i>	condG0 (description="Bolometer Thermal Conductivity at Temperature T", quantity="")
<i>DoubleId</i>	beta (description="Exponent for Temperature evolution of Bolometer Thermal Conductivity", quantity="")
<i>table dataset</i>	(description="Table for PMW array")
<i>Metadata</i>	

DoubleParameter	tempT0 (description="Reference Temperature for Bolometer Thermal Conductivity T0")
StringId	names (description="Channel names", quantity="")
DoubleId	loadResPos (description="Load resistance positive bias resistor", quantity="?")
DoubleId	loadResNeg (description="Load resistance negative bias resistor", quantity="?")
DoubleId	resR0 (description="Bolometer Electric Resistance at Temperature de", quantity="?")
DoubleId	delta (description="Reference Temperature for Bolometer Resistance", quantity="K")
DoubleId	capac (description="Electrical Capacitance of Cable", quantity="F")
DoubleId	condG0 (description="Bolometer Thermal Conductivity at Temperature T", quantity="")
DoubleId	beta (description="Exponent for Temperature evolution of Bolometer Thermal Conductivity", quantity="")
table dataset	(description="Table for PLW array")
Metadata	
DoubleParameter	tempT0 (description="Reference Temperature for Bolometer Thermal Conductivity T0")
StringId	names (description="Channel names", quantity="")
DoubleId	loadResPos (description="Load resistance positive bias resistor", quantity="?")
DoubleId	loadResNeg (description="Load resistance negative bias resistor", quantity="?")
DoubleId	resR0 (description="Bolometer Electric Resistance at Temperature de", quantity="?")
DoubleId	delta (description="Reference Temperature for Bolometer Resistance", quantity="K")
DoubleId	capac (description="Electrical Capacitance of Cable", quantity="F")
DoubleId	condG0 (description="Bolometer Thermal Conductivity at Temperature T", quantity="")
DoubleId	beta (description="Exponent for Temperature evolution of Bolometer Thermal Conductivity", quantity="")
table dataset	(description="Table for PTC array")
Metadata	
DoubleParameter	tempT0 (description="Reference Temperature for Bolometer Thermal Conductivity T0")
StringId	names (description="Channel names", quantity="")
DoubleId	loadResPos (description="Load resistance positive bias resistor", quantity="?")
DoubleId	loadResNeg (description="Load resistance negative bias resistor", quantity="?")
DoubleId	resR0 (description="Bolometer Electric Resistance at Temperature de", quantity="?")

<i>DoubleId</i>	delta (description="Reference Temperature for Bolometer Resistance", quantity="K")
<i>DoubleId</i>	capac (description="Electrical Capacitance of Cable", quantity="F")
<i>DoubleId</i>	condG0 (description="Bolometer Thermal Conductivity at Temperature T", quantity="")
<i>DoubleId</i>	beta (description="Exponent for Temperature evolution of Bolometer Thermal Conductivity", quantity="")

6.2.10. SCalPhotDetAngOff

<i>product</i> (type="SCalPhotDetAngOff", description="Photometer Detector Angular Offset Table")	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="null")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="null")
DateParameter	startDate (description="null")
DateParameter	endDate (description="null")
StringParameter	version (description="null")
StringParameter	fileName (description="null")
<i>table dataset</i>	(description="Table for PSW array")
<i>Metadata</i>	
<i>StringId</i>	names (description="Channel names", quantity="")
<i>DoubleId</i>	yangle (description="Angular offset in Y-direction", quantity="" [4.84813681109536E-6 rad])
<i>DoubleId</i>	yangleError (description="Error on angular offset in Y-direction", quantity="" [4.84813681109536E-6 rad])
<i>DoubleId</i>	zangle (description="Angular offset in Z-direction", quantity="" [4.84813681109536E-6 rad])
<i>DoubleId</i>	zangleError (description="Error on angular offset in Z-direction", quantity="" [4.84813681109536E-6 rad])
<i>table dataset</i>	(description="Table for PMW array")
<i>Metadata</i>	
<i>StringId</i>	names (description="Channel names", quantity="")
<i>DoubleId</i>	yangle (description="Angular offset in Y-direction", quantity="" [4.84813681109536E-6 rad])
<i>DoubleId</i>	yangleError (description="Error on angular offset in Y-direction", quantity="" [4.84813681109536E-6 rad])
<i>DoubleId</i>	zangle (description="Angular offset in Z-direction", quantity="" [4.84813681109536E-6 rad])
<i>DoubleId</i>	

	zangleError (description="Error on angular offset in Z-direction", quantity="" [4.84813681109536E-6 rad])
<i>table dataset</i>	(description="Table for PLW array")
<i>Metadata</i>	
<i>StringId</i>	names (description="Channel names", quantity="")
<i>DoubleId</i>	yangle (description="Angular offset in Y-direction", quantity="" [4.84813681109536E-6 rad])
<i>DoubleId</i>	yangleError (description="Error on angular offset in Y-direction", quantity="" [4.84813681109536E-6 rad])
<i>DoubleId</i>	zangle (description="Angular offset in Z-direction", quantity="" [4.84813681109536E-6 rad])
<i>DoubleId</i>	zangleError (description="Error on angular offset in Z-direction", quantity="" [4.84813681109536E-6 rad])

6.2.11. SCalPhotElecCross

<i>product</i> (type="SCalPhotElecCross", description="Photometer Electrical Crosstalk Table")	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="null")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="null")
DateParameter	startDate (description="null")
DateParameter	endDate (description="null")
StringParameter	version (description="null")
StringParameter	fileName (description="null")
<i>table dataset</i>	(description="Table for PSW array")
<i>Metadata</i>	
<i>StringId</i>	names (description="Channel names", quantity="")
<i>DoubleId</i>	PSWA1 (description="Crosstalk values", quantity="")
<i>DoubleId</i>	PSWA2 (description="Crosstalk values", quantity="")
<i>DoubleId</i>	PSWA3 (description="Crosstalk values", quantity="")
<i>DoubleId</i>	PSWA4 (description="Crosstalk values", quantity="")
<i>DoubleId</i>	PSWA5 (description="Crosstalk values", quantity="")
<i>DoubleId</i>	PSWA6 (description="Crosstalk values", quantity="")
<i>DoubleId</i>	PSWA7 (description="Crosstalk values", quantity="")
<i>DoubleId</i>	PSWA8 (description="Crosstalk values", quantity="")
<i>DoubleId</i>	PSWA9 (description="Crosstalk values", quantity="")
<i>DoubleId</i>	PSWA10 (description="Crosstalk values", quantity="")

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<i>Double1d</i>	PSWJ13 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PSWJ14 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PSWJ15 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PSWDP1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PSWDP2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PSWR1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PSWT1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PSWT2 (description="Crosstalk values", quantity="")
<i>table dataset</i>	(description="Table for PMW array")
<i>Metadata</i>	
<i>String1d</i>	names (description="Channel names", quantity="")
<i>Double1d</i>	PMWA1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWA2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWA3 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWA4 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWA5 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWA6 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWA7 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWA8 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWA9 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWA10 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWA11 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWA12 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWA13 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWB1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWB2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWB3 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWB4 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWB5 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWB6 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWB7 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWB8 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWB9 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWB10 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWB11 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWB12 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWC1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWC2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWC3 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWC4 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWC5 (description="Crosstalk values", quantity="")

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<i>Double1d</i>	PMWF10 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWF11 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWF12 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWG1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWG2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWG3 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWG4 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWG5 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWG6 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWG7 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWG8 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWG9 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWG10 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWG11 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWG12 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWG13 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWDP1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWDP2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWR1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWT1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWT2 (description="Crosstalk values", quantity="")
<i>table dataset</i>	(description="Table for PLW array")
<i>Metadata</i>	
<i>String1d</i>	names (description="Channel names", quantity="")
<i>Double1d</i>	PLWA1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWA2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWA3 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWA4 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWA5 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWA6 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWA7 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWA8 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWA9 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWB1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWB2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWB3 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWB4 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWB5 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWB6 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWB7 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWB8 (description="Crosstalk values", quantity="")

<i>Double1d</i>	PLWC1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWC2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWC3 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWC4 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWC5 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWC6 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWC7 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWC8 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWC9 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWD1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWD2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWD3 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWD4 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWD5 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWD6 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWD7 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWD8 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWE1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWE2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWE3 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWE4 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWE5 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWE6 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWE7 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWE8 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWE9 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWDP1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWDP2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWR1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWT1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWT2 (description="Crosstalk values", quantity="")
<i>table dataset</i>	(description="Table for PTC array")
<i>Metadata</i>	
<i>String1d</i>	names (description="Channel names", quantity="")
<i>Double1d</i>	PTCP3 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PTCP2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PTCP1 (description="Crosstalk values", quantity="")

6.2.12. SCalPhotLpfPar

product (type="SCalPhotLpfPar", description="Photometer Low Pass Filter Parameters")

<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="null")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="null")
DateParameter	startDate (description="null")
DateParameter	endDate (description="null")
StringParameter	version (description="null")
StringParameter	fileName (description="null")
<i>table dataset</i>	(description="Low Pass Filter Parameters Table")
<i>Metadata</i>	
<i>IntId</i>	filter (description="Filter Number", quantity="none")
<i>DoubleId</i>	r1 (description="Filter Resistor 1", quantity="?")
<i>DoubleId</i>	r2 (description="Filter Resistor 2", quantity="?")
<i>DoubleId</i>	r3 (description="Filter Resistor 3", quantity="?")
<i>DoubleId</i>	r4 (description="Filter Resistor 4", quantity="?")
<i>DoubleId</i>	c1 (description="Filter Capacitor 1", quantity="F")
<i>DoubleId</i>	c2 (description="Filter Capacitor 2", quantity="F")

6.2.13. SCalPhotOptCross

<i>product (type="SCalPhotOptCross", description="Photometer Optical Crosstalk Table")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="null")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="null")
DateParameter	startDate (description="null")
DateParameter	endDate (description="null")
StringParameter	version (description="null")
StringParameter	fileName (description="null")
<i>table dataset</i>	(description="Table for PSW array")
<i>Metadata</i>	
<i>StringId</i>	names (description="Channel names", quantity="")
<i>DoubleId</i>	PSWA1 (description="Crosstalk values", quantity="")
<i>DoubleId</i>	PSWA2 (description="Crosstalk values", quantity="")
<i>DoubleId</i>	PSWA3 (description="Crosstalk values", quantity="")

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<i>Double1d</i>	PSWJ6 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PSWJ7 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PSWJ8 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PSWJ9 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PSWJ10 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PSWJ11 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PSWJ12 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PSWJ13 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PSWJ14 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PSWJ15 (description="Crosstalk values", quantity="")
<i>table dataset</i>	(description="Table for PMW array")
<i>Metadata</i>	
<i>String1d</i>	names (description="Channel names", quantity="")
<i>Double1d</i>	PMWA1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWA2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWA3 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWA4 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWA5 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWA6 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWA7 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWA8 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWA9 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWA10 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWA11 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWA12 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWA13 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWB1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWB2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWB3 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWB4 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWB5 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWB6 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWB7 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWB8 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWB9 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWB10 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWB11 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWB12 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWC1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWC2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWC3 (description="Crosstalk values", quantity="")

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<i>Double1d</i>	PMWF8 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWF9 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWF10 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWF11 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWF12 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWG1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWG2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWG3 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWG4 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWG5 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWG6 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWG7 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWG8 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWG9 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWG10 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWG11 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWG12 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PMWG13 (description="Crosstalk values", quantity="")
<i>table dataset</i>	(description="Table for PLW array")
<i>Metadata</i>	
<i>String1d</i>	names (description="Channel names", quantity="")
<i>Double1d</i>	PLWA1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWA2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWA3 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWA4 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWA5 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWA6 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWA7 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWA8 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWA9 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWB1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWB2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWB3 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWB4 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWB5 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWB6 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWB7 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWB8 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWC1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWC2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWC3 (description="Crosstalk values", quantity="")

<i>Double1d</i>	PLWC4 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWC5 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWC6 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWC7 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWC8 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWC9 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWD1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWD2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWD3 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWD4 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWD5 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWD6 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWD7 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWD8 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWE1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWE2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWE3 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWE4 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWE5 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWE6 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWE7 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWE8 (description="Crosstalk values", quantity="")
<i>Double1d</i>	PLWE9 (description="Crosstalk values", quantity="")

6.2.14. SCalPhotChanTimeConst

<i>product</i> (type="SCalPhotChanTimeConst", description="Photometer Channel Time Constant Table")	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="null")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="null")
DateParameter	startDate (description="null")
DateParameter	endDate (description="null")
StringParameter	version (description="null")
StringParameter	fileName (description="null")
<i>table dataset</i>	(description="Table for PSW array")
<i>Metadata</i>	

<i>StringId</i>	names (description="Channel names", quantity="")
<i>DoubleId</i>	timeConst (description="Detector time constant", quantity="s")
<i>DoubleId</i>	error (description="Error on time constant", quantity="s")
<i>DoubleId</i>	slowTimeConst (description="the slow detector time constant", quantity="s")
<i>DoubleId</i>	slowTimeConstError (description="Error in the slow detector time constant", quantity="s")
<i>DoubleId</i>	amplitude (description="time constant amplitude factor", quantity="none")
<i>DoubleId</i>	amplitudeError (description="Error in time constant amplitude factor", quantity="none")
<i>table dataset</i>	(description="Table for PMW array")
<i>Metadata</i>	
<i>StringId</i>	names (description="Channel names", quantity="")
<i>DoubleId</i>	timeConst (description="Detector time constant", quantity="s")
<i>DoubleId</i>	error (description="Error on time constant", quantity="s")
<i>DoubleId</i>	slowTimeConst (description="the slow detector time constant", quantity="s")
<i>DoubleId</i>	slowTimeConstError (description="Error in the slow detector time constant", quantity="s")
<i>DoubleId</i>	amplitude (description="time constant amplitude factor", quantity="none")
<i>DoubleId</i>	amplitudeError (description="Error in time constant amplitude factor", quantity="none")
<i>table dataset</i>	(description="Table for PLW array")
<i>Metadata</i>	
<i>StringId</i>	names (description="Channel names", quantity="")
<i>DoubleId</i>	timeConst (description="Detector time constant", quantity="s")
<i>DoubleId</i>	error (description="Error on time constant", quantity="s")
<i>DoubleId</i>	slowTimeConst (description="the slow detector time constant", quantity="s")
<i>DoubleId</i>	slowTimeConstError (description="Error in the slow detector time constant", quantity="s")
<i>DoubleId</i>	amplitude (description="time constant amplitude factor", quantity="none")
<i>DoubleId</i>	amplitudeError (description="Error in time constant amplitude factor", quantity="none")
<i>table dataset</i>	(description="Table for PTC array")
<i>Metadata</i>	
<i>StringId</i>	names (description="Channel names", quantity="")
<i>DoubleId</i>	timeConst (description="Detector time constant", quantity="none")
<i>DoubleId</i>	error (description="Error on time constant", quantity="none")
<i>DoubleId</i>	slowTimeConst (description="the slow detector time constant", quantity="none")
<i>DoubleId</i>	slowTimeConstError (description="Error in the slow detector time constant", quantity="none")

<i>DoubleId</i>	amplitude (description="time constant amplitude factor", quantity="none")
<i>DoubleId</i>	amplitudeError (description="Error in time constant amplitude factor", quantity="none")

6.3. SPIRE Spectrometer Calibration Products

6.3.1. SCalSpecChanTimeOff

<i>product</i> (type="SCalSpecChanTimeOff", description="Spectrometer Channel Time Offset Table")	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="null")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="null")
DateParameter	startDate (description="null")
DateParameter	endDate (description="null")
StringParameter	version (description="null")
StringParameter	fileName (description="null")
<i>table dataset</i>	(description="Table for SSW array")
<i>Metadata</i>	
<i>StringId</i>	names (description="Channel names", quantity="")
<i>DoubleId</i>	offsetSingle (description="Time offset relative to single array readout", quantity="s")
<i>DoubleId</i>	offsetFull (description="Time offset relative to full array readout", quantity="s")
<i>table dataset</i>	(description="Table for SLW array")
<i>Metadata</i>	
<i>StringId</i>	names (description="Channel names", quantity="")
<i>DoubleId</i>	offsetSingle (description="Time offset relative to single array readout", quantity="s")
<i>DoubleId</i>	offsetFull (description="Time offset relative to full array readout", quantity="s")

6.3.2. SCalSpecChanMask

<i>product</i> (type="SCalSpecChanMask", description="Spectrometer Channel Mask Table")	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")

StringParameter	creator (description="null")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="null")
DateParameter	startDate (description="null")
DateParameter	endDate (description="null")
StringParameter	version (description="null")
StringParameter	fileName (description="null")
<i>table dataset</i>	(description="Table for SSW array")
<i>Metadata</i>	
<i>StringId</i>	names (description="Channel names", quantity="")
<i>BoolId</i>	isDead (description="Dead Channels", quantity="")
<i>BoolId</i>	isNoisy (description="Noisy Channels", quantity="")
<i>table dataset</i>	(description="Table for SLW array")
<i>Metadata</i>	
<i>StringId</i>	names (description="Channel names", quantity="")
<i>BoolId</i>	isDead (description="Dead Channels", quantity="")
<i>BoolId</i>	isNoisy (description="Noisy Channels", quantity="")

6.3.3. SCalSpecChanGain

<i>product (type="SCalSpecChanGain", description="Spectrometer Channel Gain Table")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="null")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="null")
DateParameter	startDate (description="null")
DateParameter	endDate (description="null")
StringParameter	version (description="null")
DoubleParameter	refBiasFreq (description="Reference bias frequency")
DoubleParameter	param (description="Frequency dependency parameter")
StringParameter	fileName (description="null")
<i>table dataset</i>	(description="Table for SSW array")
<i>Metadata</i>	
<i>StringId</i>	names (description="Channel names", quantity="")

	<i>DoubleId</i>	totGain (description="LIA plus amplifier gain", quantity="")
	<i>DoubleId</i>	jfetGain (description="JFET Gain", quantity="")
<i>table dataset</i>	(description="Table for SLW array")	
<i>Metadata</i>		
	<i>StringId</i>	names (description="Channel names", quantity="")
	<i>DoubleId</i>	totGain (description="LIA plus amplifier gain", quantity="")
	<i>DoubleId</i>	jfetGain (description="JFET Gain", quantity="")

6.3.4. SCalSpecLpfPar

<i>product (type="SCalSpecLpfPar", description="Spectrometer Low Pass Filter Parameters")</i>		
<i>Metadata</i>		
StringParameter	type (description="Product Type Identification")	
StringParameter	creator (description="null")	
DateParameter	creationDate (description="Creation date of this product")	
StringParameter	description (description="Name of this product")	
StringParameter	instrument (description="Instrument attached to this product")	
StringParameter	modelName (description="null")	
DateParameter	startDate (description="null")	
DateParameter	endDate (description="null")	
StringParameter	version (description="null")	
StringParameter	fileName (description="null")	
<i>table dataset</i>	(description="Low Pass Filter Parameters Table")	
<i>Metadata</i>		
	<i>IntId</i>	filter (description="Filter Number", quantity="none")
	<i>DoubleId</i>	r1 (description="Filter Resistor 1", quantity="?")
	<i>DoubleId</i>	r2 (description="Filter Resistor 2", quantity="?")
	<i>DoubleId</i>	r3 (description="Filter Resistor 3", quantity="?")
	<i>DoubleId</i>	r4 (description="Filter Resistor 4", quantity="?")
	<i>DoubleId</i>	c1 (description="Filter Capacitor 1", quantity="F")
	<i>DoubleId</i>	c2 (description="Filter Capacitor 2", quantity="F")

6.3.5. SCalSpecBsmOps

<i>product (type="SCalSpecBsmOps", description="Spectrometer BSM Operations Table")</i>		
<i>Metadata</i>		
StringParameter	type (description="Product Type Identification")	
StringParameter	creator (description="null")	
DateParameter	creationDate (description="Creation date of this product")	
StringParameter	description (description="Name of this product")	
StringParameter	instrument (description="Instrument attached to this product")	

StringParameter	modelName (description="null")
DateParameter	startDate (description="null")
DateParameter	endDate (description="null")
StringParameter	version (description="null")
DoubleParameter	chopMaxSpeed (description="Speed limit for stabilisation in chop")
DoubleParameter	jiggMaxSpeed (description="Speed limit for stabilisation in jigg")
StringParameter	fileName (description="null")
<i>table dataset</i>	(description="4 Point Jiggle Map")
<i>Metadata</i>	
StringParameter	obsMode (description="null")
<i>StringId</i>	chopBeamId (description="Chopper Beam Identifier", quantity="")
<i>IntId</i>	chopSens (description="Target sensor signal in chop direction", quantity="")
<i>IntId</i>	chopHiTol (description="Positive tolerance in chop sensor signal", quantity="")
<i>IntId</i>	chopLoTol (description="Negative tolerance in chop sensor signal", quantity="")
<i>IntId</i>	jiggId (description="Jiggle Position Identifier", quantity="")
<i>IntId</i>	jiggSens (description="Target sensor signal in jiggle direction", quantity="")
<i>IntId</i>	jiggHiTol (description="Positive tolerance in jiggle sensor signal", quantity="")
<i>IntId</i>	jiggLoTol (description="Negative tolerance in jiggle sensor signal", quantity="")
<i>table dataset</i>	(description="16 Point Jiggle Map")
<i>Metadata</i>	
StringParameter	obsMode (description="null")
<i>StringId</i>	chopBeamId (description="Chopper Beam Identifier", quantity="")
<i>IntId</i>	chopSens (description="Target sensor signal in chop direction", quantity="")
<i>IntId</i>	chopHiTol (description="Positive tolerance in chop sensor signal", quantity="")
<i>IntId</i>	chopLoTol (description="Negative tolerance in chop sensor signal", quantity="")
<i>IntId</i>	jiggId (description="Jiggle Position Identifier", quantity="")
<i>IntId</i>	jiggSens (description="Target sensor signal in jiggle direction", quantity="")
<i>IntId</i>	jiggHiTol (description="Positive tolerance in jiggle sensor signal", quantity="")
<i>IntId</i>	jiggLoTol (description="Negative tolerance in jiggle sensor signal", quantity="")

6.3.6. SCalSpecBsmPos

<i>product</i> (type="SCalSpecBsmPos", description="Spectrometer BSM Position Table")	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="null")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="null")
DateParameter	startDate (description="null")
DateParameter	endDate (description="null")
StringParameter	version (description="null")
LongParameter	chopRestPos (description="Chopper Sensor Rest Position")
LongParameter	jiggRestPos (description="Jiggle Sensor Rest Position")
LongParameter	chopHardLimit1 (description="Chopper Sensor Hard Limit 1")
LongParameter	chopHardLimit2 (description="Chopper Sensor Hard Limit 2")
LongParameter	jiggHardLimit1 (description="Jiggle Sensor Hard Limit 1")
LongParameter	jiggHardLimit2 (description="Jiggle Sensor Hard Limit 2")
LongParameter	chopSoftLimit1 (description="Chopper Sensor Soft Limit 1")
LongParameter	chopSoftLimit2 (description="Chopper Sensor Soft Limit 2")
LongParameter	jiggSoftLimit1 (description="Jiggle Sensor Soft Limit 1")
LongParameter	jiggSoftLimit2 (description="Jiggle Sensor Soft Limit 2")
StringParameter	fileName (description="null")
<i>table dataset</i> (description="BSM angles versus chopper and jiggle sensors values")	
<i>Metadata</i>	
<i>Double1d</i>	yangle (description="Chopper Angle", quantity="" [4.84813681109536E-6 rad])
<i>Double1d</i>	yangleError (description="Error on Chopper Angle", quantity="" [4.84813681109536E-6 rad])
<i>Double1d</i>	zangle (description="Jiggle Angle", quantity="" [4.84813681109536E-6 rad])
<i>Double1d</i>	zangleError (description="Error on Jiggle Angle", quantity="" [4.84813681109536E-6 rad])
<i>Int1d</i>	chopSensor (description="Chopper Sensor", quantity="")
<i>Int1d</i>	jiggSensor (description="Jiggle Sensor", quantity="")

6.3.7. SCalSpecBolPar

<i>product</i> (type="SCalSpecBolPar", description="Spectrometer Bolometer Parameter Table")	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="null")

DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="null")
DateParameter	startDate (description="null")
DateParameter	endDate (description="null")
StringParameter	version (description="null")
StringParameter	fileName (description="null")
<i>table dataset</i>	(description="Table for SSW array")
<i>Metadata</i>	
DoubleParameter	tempT0 (description="Reference Temperature for Bolometer Thermal Conductivity T0")
<i>StringId</i>	names (description="Channel names", quantity="")
<i>DoubleId</i>	loadResPos (description="Load resistance positive bias resistor", quantity="?")
<i>DoubleId</i>	loadResNeg (description="Load resistance negative bias resistor", quantity="?")
<i>DoubleId</i>	resR0 (description="Bolometer Electric Resistance at Temperature de", quantity="?")
<i>DoubleId</i>	delta (description="Reference Temperature for Bolometer Resistance", quantity="K")
<i>DoubleId</i>	capac (description="Electrical Capacitance of Cable", quantity="F")
<i>DoubleId</i>	condG0 (description="Bolometer Thermal Conductivity at Temperature T", quantity="")
<i>DoubleId</i>	beta (description="Exponent for Temperature evolution of Bolometer Thermal Conductivity", quantity="")
<i>table dataset</i>	(description="Table for SLW array")
<i>Metadata</i>	
DoubleParameter	tempT0 (description="Reference Temperature for Bolometer Thermal Conductivity T0")
<i>StringId</i>	names (description="Channel names", quantity="")
<i>DoubleId</i>	loadResPos (description="Load resistance positive bias resistor", quantity="?")
<i>DoubleId</i>	loadResNeg (description="Load resistance negative bias resistor", quantity="?")
<i>DoubleId</i>	resR0 (description="Bolometer Electric Resistance at Temperature de", quantity="?")
<i>DoubleId</i>	delta (description="Reference Temperature for Bolometer Resistance", quantity="K")
<i>DoubleId</i>	capac (description="Electrical Capacitance of Cable", quantity="F")
<i>DoubleId</i>	condG0 (description="Bolometer Thermal Conductivity at Temperature T", quantity="")
<i>DoubleId</i>	beta (description="Exponent for Temperature evolution of Bolometer Thermal Conductivity", quantity="")

6.3.8. SCalSpecElecCross

<i>product</i> (<i>type</i> ="SCalSpecElecCross", <i>description</i> ="Spectrometer Electrical Crosstalk Table")	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="null")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="null")
DateParameter	startDate (description="null")
DateParameter	endDate (description="null")
StringParameter	version (description="null")
StringParameter	fileName (description="null")
<i>table dataset</i>	(<i>description</i> ="Table for SSW array")
<i>Metadata</i>	
<i>String1d</i>	names (description="Channel names", quantity="")
<i>Double1d</i>	SSWA1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWA2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWA3 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWA4 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWB1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWB2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWB3 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWB4 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWB5 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWC1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWC2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWC3 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWC4 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWC5 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWC6 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWD1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWD2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWD3 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWD4 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWD5 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWD6 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWD7 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWE1 (description="Crosstalk values", quantity="")

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<i>Double1d</i>	SSWE2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWE3 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWE4 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWE5 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWE6 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWF1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWF2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWF3 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWF4 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWF5 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWG1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWG2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWG3 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWG4 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWDP1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWDP2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWN1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWN2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWN3 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWN4 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWN5 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWN6 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWR1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWT1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWT2 (description="Crosstalk values", quantity="")
<i>table dataset</i>	(description="Table for SLW array")
<i>Metadata</i>	
<i>String1d</i>	names (description="Channel names", quantity="")
<i>Double1d</i>	SLWA1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SLWA2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SLWA3 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SLWB1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SLWB2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SLWB3 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SLWB4 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SLWC1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SLWC2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SLWC3 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SLWC4 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SLWC5 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SLWD1 (description="Crosstalk values", quantity="")

<i>DoubleId</i>	SLWD2 (description="Crosstalk values", quantity="")
<i>DoubleId</i>	SLWD3 (description="Crosstalk values", quantity="")
<i>DoubleId</i>	SLWD4 (description="Crosstalk values", quantity="")
<i>DoubleId</i>	SLWE1 (description="Crosstalk values", quantity="")
<i>DoubleId</i>	SLWE2 (description="Crosstalk values", quantity="")
<i>DoubleId</i>	SLWE3 (description="Crosstalk values", quantity="")
<i>DoubleId</i>	SLWDP1 (description="Crosstalk values", quantity="")
<i>DoubleId</i>	SLWDP2 (description="Crosstalk values", quantity="")
<i>DoubleId</i>	SLWR1 (description="Crosstalk values", quantity="")
<i>DoubleId</i>	SLWT1 (description="Crosstalk values", quantity="")
<i>DoubleId</i>	SLWT2 (description="Crosstalk values", quantity="")

6.3.9. SCalSpecFluxConv

<i>product</i> (type="SCalSpecFluxConv", description="Spectrometer FluxConversion Table")	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="null")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="null")
DateParameter	startDate (description="null")
DateParameter	endDate (description="null")
StringParameter	version (description="null")
StringParameter	fileName (description="null")
<i>table dataset</i>	(description="table for SSW array")
<i>Metadata</i>	
<i>DoubleId</i>	wavenumber (description="Wavenumber", quantity="cm-1 [100.0 m-1]")
<i>DoubleId</i>	SSWA1 (description="Flux conversion factor for SSWA1", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SSWA2 (description="Flux conversion factor for SSWA2", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SSWA3 (description="Flux conversion factor for SSWA3", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SSWA4 (description="Flux conversion factor for SSWA4", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SSWB1 (description="Flux conversion factor for SSWB1", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SSWB2 (description="Flux conversion factor for SSWB2", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	

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	SSWB3 (description="Flux conversion factor for SSWB3", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SSWB4 (description="Flux conversion factor for SSWB4", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SSWB5 (description="Flux conversion factor for SSWB5", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SSWC1 (description="Flux conversion factor for SSWC1", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SSWC2 (description="Flux conversion factor for SSWC2", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SSWC3 (description="Flux conversion factor for SSWC3", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SSWC4 (description="Flux conversion factor for SSWC4", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SSWC5 (description="Flux conversion factor for SSWC5", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SSWC6 (description="Flux conversion factor for SSWC6", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SSWD1 (description="Flux conversion factor for SSWD1", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SSWD2 (description="Flux conversion factor for SSWD2", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SSWD3 (description="Flux conversion factor for SSWD3", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SSWD4 (description="Flux conversion factor for SSWD4", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SSWD5 (description="Flux conversion factor for SSWD5", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SSWD6 (description="Flux conversion factor for SSWD6", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SSWD7 (description="Flux conversion factor for SSWD7", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SSWE1 (description="Flux conversion factor for SSWE1", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SSWE2 (description="Flux conversion factor for SSWE2", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SSWE3 (description="Flux conversion factor for SSWE3", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SSWE4 (description="Flux conversion factor for SSWE4", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SSWE5 (description="Flux conversion factor for SSWE5", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SSWE6 (description="Flux conversion factor for SSWE6", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SSWF1 (description="Flux conversion factor for SSWF1", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SSWF2 (description="Flux conversion factor for SSWF2", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")

<i>DoubleId</i>	SSWF3 (description="Flux conversion factor for SSWF3", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SSWF4 (description="Flux conversion factor for SSWF4", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SSWF5 (description="Flux conversion factor for SSWF5", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SSWG1 (description="Flux conversion factor for SSWG1", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SSWG2 (description="Flux conversion factor for SSWG2", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SSWG3 (description="Flux conversion factor for SSWG3", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SSWG4 (description="Flux conversion factor for SSWG4", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>table dataset</i>	(description="table for SLW array")
<i>Metadata</i>	
<i>DoubleId</i>	wavenumber (description="Wavenumber", quantity="cm-1 [100.0 m-1]")
<i>DoubleId</i>	SLWA1 (description="Flux conversion factor for SLWA1", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SLWA2 (description="Flux conversion factor for SLWA2", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SLWA3 (description="Flux conversion factor for SLWA3", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SLWB1 (description="Flux conversion factor for SLWB1", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SLWB2 (description="Flux conversion factor for SLWB2", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SLWB3 (description="Flux conversion factor for SLWB3", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SLWB4 (description="Flux conversion factor for SLWB4", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SLWC1 (description="Flux conversion factor for SLWC1", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SLWC2 (description="Flux conversion factor for SLWC2", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SLWC3 (description="Flux conversion factor for SLWC3", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SLWC4 (description="Flux conversion factor for SLWC4", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SLWC5 (description="Flux conversion factor for SLWC5", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SLWD1 (description="Flux conversion factor for SLWD1", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SLWD2 (description="Flux conversion factor for SLWD2", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")

<i>DoubleId</i>	SLWD3 (description="Flux conversion factor for SLWD3", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SLWD4 (description="Flux conversion factor for SLWD4", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SLWE1 (description="Flux conversion factor for SLWE1", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SLWE2 (description="Flux conversion factor for SLWE2", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")
<i>DoubleId</i>	SLWE3 (description="Flux conversion factor for SLWE3", quantity="[W/(m2.Hz)*1.0E-26]/V [1.0E-26 W/(m2.Hz.V)]")

6.3.10. SCalSpecOptCross

<i>product</i> (type="SCalSpecOptCross", description="Spectrometer Optical Crosstalk Table")	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="null")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="null")
DateParameter	startDate (description="null")
DateParameter	endDate (description="null")
StringParameter	version (description="null")
StringParameter	fileName (description="null")
<i>table dataset</i>	(description="Table for SSW array")
<i>Metadata</i>	
<i>StringId</i>	names (description="Channel names", quantity="")
<i>DoubleId</i>	SSWA1 (description="Crosstalk values", quantity="")
<i>DoubleId</i>	SSWA2 (description="Crosstalk values", quantity="")
<i>DoubleId</i>	SSWA3 (description="Crosstalk values", quantity="")
<i>DoubleId</i>	SSWA4 (description="Crosstalk values", quantity="")
<i>DoubleId</i>	SSWB1 (description="Crosstalk values", quantity="")
<i>DoubleId</i>	SSWB2 (description="Crosstalk values", quantity="")
<i>DoubleId</i>	SSWB3 (description="Crosstalk values", quantity="")
<i>DoubleId</i>	SSWB4 (description="Crosstalk values", quantity="")
<i>DoubleId</i>	SSWB5 (description="Crosstalk values", quantity="")
<i>DoubleId</i>	SSWC1 (description="Crosstalk values", quantity="")
<i>DoubleId</i>	SSWC2 (description="Crosstalk values", quantity="")
<i>DoubleId</i>	SSWC3 (description="Crosstalk values", quantity="")
<i>DoubleId</i>	SSWC4 (description="Crosstalk values", quantity="")
<i>DoubleId</i>	SSWC5 (description="Crosstalk values", quantity="")

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<i>Double1d</i>	SSWC6 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWD1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWD2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWD3 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWD4 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWD5 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWD6 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWD7 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWE1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWE2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWE3 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWE4 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWE5 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWE6 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWF1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWF2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWF3 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWF4 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWF5 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWG1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWG2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWG3 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SSWG4 (description="Crosstalk values", quantity="")
<i>table dataset</i>	(description="Table for SLW array")
<i>Metadata</i>	
<i>String1d</i>	names (description="Channel names", quantity="")
<i>Double1d</i>	SLWA1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SLWA2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SLWA3 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SLWB1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SLWB2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SLWB3 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SLWB4 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SLWC1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SLWC2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SLWC3 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SLWC4 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SLWC5 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SLWD1 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SLWD2 (description="Crosstalk values", quantity="")
<i>Double1d</i>	SLWD3 (description="Crosstalk values", quantity="")

<i>DoubleId</i>	SLWD4 (description="Crosstalk values", quantity="")
<i>DoubleId</i>	SLWE1 (description="Crosstalk values", quantity="")
<i>DoubleId</i>	SLWE2 (description="Crosstalk values", quantity="")
<i>DoubleId</i>	SLWE3 (description="Crosstalk values", quantity="")

6.3.11. SCalSpecDetAngOff

<i>product</i> (type="SCalSpecDetAngOff", description="Spectrometer Detector Angular Offset Table")	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="null")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="null")
DateParameter	startDate (description="null")
DateParameter	endDate (description="null")
StringParameter	version (description="null")
StringParameter	fileName (description="null")
<i>table dataset</i>	(description="Table for SSW array")
<i>Metadata</i>	
<i>StringId</i>	names (description="Channel names", quantity="")
<i>DoubleId</i>	yangle (description="Angular offset in Y-direction", quantity="" [4.84813681109536E-6 rad])
<i>DoubleId</i>	yangleError (description="Error on angular offset in Y-direction", quantity="" [4.84813681109536E-6 rad])
<i>DoubleId</i>	zangle (description="Angular offset in Z-direction", quantity="" [4.84813681109536E-6 rad])
<i>DoubleId</i>	zangleError (description="Error on angular offset in Z-direction", quantity="" [4.84813681109536E-6 rad])
<i>table dataset</i>	(description="Table for SLW array")
<i>Metadata</i>	
<i>StringId</i>	names (description="Channel names", quantity="")
<i>DoubleId</i>	yangle (description="Angular offset in Y-direction", quantity="" [4.84813681109536E-6 rad])
<i>DoubleId</i>	yangleError (description="Error on angular offset in Y-direction", quantity="" [4.84813681109536E-6 rad])
<i>DoubleId</i>	zangle (description="Angular offset in Z-direction", quantity="" [4.84813681109536E-6 rad])
<i>DoubleId</i>	zangleError (description="Error on angular offset in Z-direction", quantity="" [4.84813681109536E-6 rad])

6.3.12. SCalSpecChanTimeConst

<i>product</i> (type="SCalSpecChanTimeConst", description="Spectrometer Channel Time Constant Table")	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="null")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="null")
DateParameter	startDate (description="null")
DateParameter	endDate (description="null")
StringParameter	version (description="null")
StringParameter	fileName (description="null")
<i>table dataset</i>	(description="Table for SSW array")
<i>Metadata</i>	
<i>StringId</i>	names (description="Channel names", quantity="")
<i>DoubleId</i>	timeConst (description="Detector time constant", quantity="s")
<i>DoubleId</i>	error (description="Error on time constant", quantity="s")
<i>DoubleId</i>	slowTimeConst (description="the slow detector time constant", quantity="s")
<i>DoubleId</i>	slowTimeConstError (description="Error in the slow detector time constant", quantity="s")
<i>DoubleId</i>	amplitude (description="time constant amplitude factor", quantity="none")
<i>DoubleId</i>	amplitudeError (description="Error in time constant amplitude factor", quantity="none")
<i>table dataset</i>	(description="Table for SLW array")
<i>Metadata</i>	
<i>StringId</i>	names (description="Channel names", quantity="")
<i>DoubleId</i>	timeConst (description="Detector time constant", quantity="s")
<i>DoubleId</i>	error (description="Error on time constant", quantity="s")
<i>DoubleId</i>	slowTimeConst (description="the slow detector time constant", quantity="s")
<i>DoubleId</i>	slowTimeConstError (description="Error in the slow detector time constant", quantity="s")
<i>DoubleId</i>	amplitude (description="time constant amplitude factor", quantity="none")
<i>DoubleId</i>	amplitudeError (description="Error in time constant amplitude factor", quantity="none")

6.3.13. SCalSpecSmecZpd

<i>product (type="SCalSpecSmecZpd", description="Spectrometer Optical Encoder at ZPD Table")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="null")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="null")
DateParameter	startDate (description="null")
DateParameter	endDate (description="null")
StringParameter	version (description="null")
StringParameter	fileName (description="null")
<i>table dataset</i>	<i>(description="Table for SSW array")</i>
<i>Metadata</i>	
<i>StringId</i>	names (description="Channel names", quantity="")
<i>DoubleId</i>	optEnc (description="Optical Encoder at ZPD", quantity="cm [0.01 m]")
<i>DoubleId</i>	optEncError (description="Error on Optical Encoder at ZPD", quantity="cm [0.01 m]")
<i>DoubleId</i>	lvdt (description="LVDT DC Signal at ZPD", quantity="V")
<i>DoubleId</i>	lvdtError (description="Error on LVDT DC Signal at ZPD", quantity="V")
<i>table dataset</i>	<i>(description="Table for SLW array")</i>
<i>Metadata</i>	
<i>StringId</i>	names (description="Channel names", quantity="")
<i>DoubleId</i>	optEnc (description="Optical Encoder at ZPD", quantity="cm [0.01 m]")
<i>DoubleId</i>	optEncError (description="Error on Optical Encoder at ZPD", quantity="cm [0.01 m]")
<i>DoubleId</i>	lvdt (description="LVDT DC Signal at ZPD", quantity="V")
<i>DoubleId</i>	lvdtError (description="Error on LVDT DC Signal at ZPD", quantity="V")

6.3.14. SCalSpecSmecStepFactor

<i>product (type="SCalSpecSmecStepFactor", description="Spectrometer Step Factor Table")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="null")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")

StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="null")
DateParameter	startDate (description="null")
DateParameter	endDate (description="null")
StringParameter	version (description="null")
StringParameter	fileName (description="null")
<i>table dataset</i>	(description="Table for SSW array")
<i>Metadata</i>	
<i>StringId</i>	names (description="Channel names", quantity="")
<i>DoubleId</i>	stepFactor (description="Step Factor", quantity="none")
<i>table dataset</i>	(description="Table for SLW array")
<i>Metadata</i>	
<i>StringId</i>	names (description="Channel names", quantity="")
<i>DoubleId</i>	stepFactor (description="Step Factor", quantity="none")

6.3.15. SCalSpecBandEdge

<i>product (type="SCalSpecBandEdge", description="Spectrometer Band Edges")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="null")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="null")
DateParameter	startDate (description="null")
DateParameter	endDate (description="null")
StringParameter	version (description="null")
StringParameter	fileName (description="null")
<i>table dataset</i>	(description="Table for SSW array")
<i>Metadata</i>	
<i>StringId</i>	names (description="Channel names", quantity="")
<i>DoubleId</i>	low (description="Low wavenumber edge", quantity="cm-1 [100.0 m-1]")
<i>DoubleId</i>	high (description="High wavenumber edge", quantity="cm-1 [100.0 m-1]")
<i>table dataset</i>	(description="Table for SLW array")
<i>Metadata</i>	
<i>StringId</i>	names (description="Channel names", quantity="")

<i>DoubleId</i>	low (description="Low wavenumber edge", quantity="cm-1 [100.0 m-1]")
<i>DoubleId</i>	high (description="High wavenumber edge", quantity="cm-1 [100.0 m-1]")

6.3.16. SCalSpecNlp

<i>product</i> (type="SCalSpecNlp", description="Spectrometer Non-linear (Optical) Phase Correction Table")	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	version (description="null")
DoubleParameter	resolutionSsw (description="resolution for SLW")
DoubleParameter	resolutionSlw (description="null")
StringParameter	fileName (description="null")
<i>table dataset</i>	(description="SSW non-linear phase")
<i>Metadata</i>	
<i>DoubleId</i>	wavenumber (description="Wavenumber", quantity="cm-1 [100.0 m-1]")
<i>DoubleId</i>	telePhase (description="Telescope phase", quantity="rad")
<i>DoubleId</i>	teleError (description="Error on telescope phase", quantity="rad")
<i>DoubleId</i>	scalPhase (description="SCAL phase", quantity="rad")
<i>DoubleId</i>	scalError (description="Error on SCAL phase", quantity="rad")
<i>table dataset</i>	(description="SLW non-linear phase")
<i>Metadata</i>	
<i>DoubleId</i>	wavenumber (description="Wavenumber", quantity="cm-1 [100.0 m-1]")
<i>DoubleId</i>	telePhase (description="Telescope phase", quantity="rad")
<i>DoubleId</i>	teleError (description="Error on telescope phase", quantity="rad")
<i>DoubleId</i>	scalPhase (description="SCAL phase", quantity="rad")
<i>DoubleId</i>	scalError (description="Error on SCAL phase", quantity="rad")

6.3.17. SCalSpecScalRsrf

<i>product (type="SCalSpecScalRsrf", description="Spectrometer SCAL Relative Spectral Response Function")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type Identification")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	version (description="null")
StringParameter	fileName (description="null")
<i>table dataset</i>	<i>(description="RSRF intensity for SSW")</i>
<i>Metadata</i>	
<i>Double1d</i>	wavenumber (description="Wavenumber", quantity="cm-1 [100.0 m-1]")
<i>Double1d</i>	rsrfA1 (description="Relative intensity pixel A1", quantity="")
<i>Double1d</i>	rsrfA2 (description="Relative intensity pixel A2", quantity="")
<i>Double1d</i>	rsrfA3 (description="Relative intensity pixel A3", quantity="")
<i>Double1d</i>	rsrfA4 (description="Relative intensity pixel A4", quantity="")
<i>Double1d</i>	rsrfB1 (description="Relative intensity pixel B1", quantity="")
<i>Double1d</i>	rsrfB2 (description="Relative intensity pixel B2", quantity="")
<i>Double1d</i>	rsrfB3 (description="Relative intensity pixel B3", quantity="")
<i>Double1d</i>	rsrfB4 (description="Relative intensity pixel B4", quantity="")
<i>Double1d</i>	rsrfB5 (description="Relative intensity pixel B5", quantity="")
<i>Double1d</i>	rsrfC1 (description="Relative intensity pixel C1", quantity="")
<i>Double1d</i>	rsrfC2 (description="Relative intensity pixel C2", quantity="")
<i>Double1d</i>	rsrfC3 (description="Relative intensity pixel C3", quantity="")
<i>Double1d</i>	rsrfC4 (description="Relative intensity pixel C4", quantity="")
<i>Double1d</i>	rsrfC5 (description="Relative intensity pixel C5", quantity="")
<i>Double1d</i>	rsrfC6 (description="Relative intensity pixel C6", quantity="")
<i>Double1d</i>	rsrfD1 (description="Relative intensity pixel D1", quantity="")
<i>Double1d</i>	rsrfD2 (description="Relative intensity pixel D2", quantity="")
<i>Double1d</i>	rsrfD3 (description="Relative intensity pixel D3", quantity="")
<i>Double1d</i>	rsrfD4 (description="Relative intensity pixel D4", quantity="")
<i>Double1d</i>	rsrfD5 (description="Relative intensity pixel D5", quantity="")
<i>Double1d</i>	rsrfD6 (description="Relative intensity pixel D6", quantity="")
<i>Double1d</i>	rsrfD7 (description="Relative intensity pixel D7", quantity="")
<i>Double1d</i>	rsrfE1 (description="Relative intensity pixel E1", quantity="")
<i>Double1d</i>	rsrfE2 (description="Relative intensity pixel E2", quantity="")

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<i>DoubleId</i>	rsrfE3 (description="Relative intensity pixel E3", quantity="")
<i>DoubleId</i>	rsrfE4 (description="Relative intensity pixel E4", quantity="")
<i>DoubleId</i>	rsrfE5 (description="Relative intensity pixel E5", quantity="")
<i>DoubleId</i>	rsrfE6 (description="Relative intensity pixel E6", quantity="")
<i>DoubleId</i>	rsrfF1 (description="Relative intensity pixel F1", quantity="")
<i>DoubleId</i>	rsrfF2 (description="Relative intensity pixel F2", quantity="")
<i>DoubleId</i>	rsrfF3 (description="Relative intensity pixel F3", quantity="")
<i>DoubleId</i>	rsrfF4 (description="Relative intensity pixel F4", quantity="")
<i>DoubleId</i>	rsrfF5 (description="Relative intensity pixel F5", quantity="")
<i>DoubleId</i>	rsrfG1 (description="Relative intensity pixel G1", quantity="")
<i>DoubleId</i>	rsrfG2 (description="Relative intensity pixel G2", quantity="")
<i>DoubleId</i>	rsrfG3 (description="Relative intensity pixel G3", quantity="")
<i>DoubleId</i>	rsrfG4 (description="Relative intensity pixel G4", quantity="")
<i>DoubleId</i>	rsrfDP1 (description="Relative intensity pixel DP1", quantity="")
<i>DoubleId</i>	rsrfDP2 (description="Relative intensity pixel DP2", quantity="")
<i>DoubleId</i>	rsrfN1 (description="Relative intensity pixel N1", quantity="")
<i>DoubleId</i>	rsrfN2 (description="Relative intensity pixel N2", quantity="")
<i>DoubleId</i>	rsrfN3 (description="Relative intensity pixel N3", quantity="")
<i>DoubleId</i>	rsrfN4 (description="Relative intensity pixel N4", quantity="")
<i>DoubleId</i>	rsrfN5 (description="Relative intensity pixel N5", quantity="")
<i>DoubleId</i>	rsrfN6 (description="Relative intensity pixel N6", quantity="")
<i>DoubleId</i>	rsrfR1 (description="Relative intensity pixel R1", quantity="")
<i>DoubleId</i>	rsrfT1 (description="Relative intensity pixel T1", quantity="")
<i>DoubleId</i>	rsrfT2 (description="Relative intensity pixel T2", quantity="")
<i>table dataset</i>	(description="RSRF phase for SSW")
<i>Metadata</i>	
<i>DoubleId</i>	wavenumber (description="Wavenumber", quantity="cm-1 [100.0 m-1]")
<i>DoubleId</i>	phaseA1 (description="Phase pixel A1", quantity="rad")
<i>DoubleId</i>	phaseA2 (description="Phase pixel A2", quantity="rad")
<i>DoubleId</i>	phaseA3 (description="Phase pixel A3", quantity="rad")
<i>DoubleId</i>	phaseA4 (description="Phase pixel A4", quantity="rad")
<i>DoubleId</i>	phaseB1 (description="Phase pixel B1", quantity="rad")
<i>DoubleId</i>	phaseB2 (description="Phase pixel B2", quantity="rad")
<i>DoubleId</i>	phaseB3 (description="Phase pixel B3", quantity="rad")
<i>DoubleId</i>	phaseB4 (description="Phase pixel B4", quantity="rad")
<i>DoubleId</i>	phaseB5 (description="Phase pixel B5", quantity="rad")
<i>DoubleId</i>	phaseC1 (description="Phase pixel C1", quantity="rad")
<i>DoubleId</i>	phaseC2 (description="Phase pixel C2", quantity="rad")
<i>DoubleId</i>	phaseC3 (description="Phase pixel C3", quantity="rad")
<i>DoubleId</i>	phaseC4 (description="Phase pixel C4", quantity="rad")
<i>DoubleId</i>	phaseC5 (description="Phase pixel C5", quantity="rad")

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<i>DoubleId</i>	phaseC6 (description="Phase pixel C6", quantity="rad")
<i>DoubleId</i>	phaseD1 (description="Phase pixel D1", quantity="rad")
<i>DoubleId</i>	phaseD2 (description="Phase pixel D2", quantity="rad")
<i>DoubleId</i>	phaseD3 (description="Phase pixel D3", quantity="rad")
<i>DoubleId</i>	phaseD4 (description="Phase pixel D4", quantity="rad")
<i>DoubleId</i>	phaseD5 (description="Phase pixel D5", quantity="rad")
<i>DoubleId</i>	phaseD6 (description="Phase pixel D6", quantity="rad")
<i>DoubleId</i>	phaseD7 (description="Phase pixel D7", quantity="rad")
<i>DoubleId</i>	phaseE1 (description="Phase pixel E1", quantity="rad")
<i>DoubleId</i>	phaseE2 (description="Phase pixel E2", quantity="rad")
<i>DoubleId</i>	phaseE3 (description="Phase pixel E3", quantity="rad")
<i>DoubleId</i>	phaseE4 (description="Phase pixel E4", quantity="rad")
<i>DoubleId</i>	phaseE5 (description="Phase pixel E5", quantity="rad")
<i>DoubleId</i>	phaseE6 (description="Phase pixel E6", quantity="rad")
<i>DoubleId</i>	phaseF1 (description="Phase pixel F1", quantity="rad")
<i>DoubleId</i>	phaseF2 (description="Phase pixel F2", quantity="rad")
<i>DoubleId</i>	phaseF3 (description="Phase pixel F3", quantity="rad")
<i>DoubleId</i>	phaseF4 (description="Phase pixel F4", quantity="rad")
<i>DoubleId</i>	phaseF5 (description="Phase pixel F5", quantity="rad")
<i>DoubleId</i>	phaseG1 (description="Phase pixel G1", quantity="rad")
<i>DoubleId</i>	phaseG2 (description="Phase pixel G2", quantity="rad")
<i>DoubleId</i>	phaseG3 (description="Phase pixel G3", quantity="rad")
<i>DoubleId</i>	phaseG4 (description="Phase pixel G4", quantity="rad")
<i>DoubleId</i>	phaseDP1 (description="Phase pixel DP1", quantity="rad")
<i>DoubleId</i>	phaseDP2 (description="Phase pixel DP2", quantity="rad")
<i>DoubleId</i>	phaseN1 (description="Phase pixel N1", quantity="rad")
<i>DoubleId</i>	phaseN2 (description="Phase pixel N2", quantity="rad")
<i>DoubleId</i>	phaseN3 (description="Phase pixel N3", quantity="rad")
<i>DoubleId</i>	phaseN4 (description="Phase pixel N4", quantity="rad")
<i>DoubleId</i>	phaseN5 (description="Phase pixel N5", quantity="rad")
<i>DoubleId</i>	phaseN6 (description="Phase pixel N6", quantity="rad")
<i>DoubleId</i>	phaseR1 (description="Phase pixel R1", quantity="rad")
<i>DoubleId</i>	phaseT1 (description="Phase pixel T1", quantity="rad")
<i>DoubleId</i>	phaseT2 (description="Phase pixel T2", quantity="rad")
<i>table dataset</i>	(description="RSRF intensity for SLW")
<i>Metadata</i>	
<i>DoubleId</i>	wavenumber (description="Wavenumber", quantity="cm-1 [100.0 m-1]")
<i>DoubleId</i>	rsrfA1 (description="Relative intensity pixel A1", quantity="")
<i>DoubleId</i>	rsrfA2 (description="Relative intensity pixel A2", quantity="")
<i>DoubleId</i>	rsrfA3 (description="Relative intensity pixel A3", quantity="")
<i>DoubleId</i>	rsrfB1 (description="Relative intensity pixel B1", quantity="")

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<i>DoubleId</i>	rsrfB2 (description="Relative intensity pixel B2", quantity="")
<i>DoubleId</i>	rsrfB3 (description="Relative intensity pixel B3", quantity="")
<i>DoubleId</i>	rsrfB4 (description="Relative intensity pixel B4", quantity="")
<i>DoubleId</i>	rsrfC1 (description="Relative intensity pixel C1", quantity="")
<i>DoubleId</i>	rsrfC2 (description="Relative intensity pixel C2", quantity="")
<i>DoubleId</i>	rsrfC3 (description="Relative intensity pixel C3", quantity="")
<i>DoubleId</i>	rsrfC4 (description="Relative intensity pixel C4", quantity="")
<i>DoubleId</i>	rsrfC5 (description="Relative intensity pixel C5", quantity="")
<i>DoubleId</i>	rsrfD1 (description="Relative intensity pixel D1", quantity="")
<i>DoubleId</i>	rsrfD2 (description="Relative intensity pixel D2", quantity="")
<i>DoubleId</i>	rsrfD3 (description="Relative intensity pixel D3", quantity="")
<i>DoubleId</i>	rsrfD4 (description="Relative intensity pixel D4", quantity="")
<i>DoubleId</i>	rsrfE1 (description="Relative intensity pixel E1", quantity="")
<i>DoubleId</i>	rsrfE2 (description="Relative intensity pixel E2", quantity="")
<i>DoubleId</i>	rsrfE3 (description="Relative intensity pixel E3", quantity="")
<i>DoubleId</i>	rsrfDP1 (description="Relative intensity pixel DP1", quantity="")
<i>DoubleId</i>	rsrfDP2 (description="Relative intensity pixel DP2", quantity="")
<i>DoubleId</i>	rsrfR1 (description="Relative intensity pixel R1", quantity="")
<i>DoubleId</i>	rsrfT1 (description="Relative intensity pixel T1", quantity="")
<i>DoubleId</i>	rsrfT2 (description="Relative intensity pixel T2", quantity="")
<i>table dataset</i>	(description="RSRF phase for SLW")
<i>Metadata</i>	
<i>DoubleId</i>	wavenumber (description="Wavenumber", quantity="cm-1 [100.0 m-1]")
<i>DoubleId</i>	phaseA1 (description="Phase pixel A1", quantity="rad")
<i>DoubleId</i>	phaseA2 (description="Phase pixel A2", quantity="rad")
<i>DoubleId</i>	phaseA3 (description="Phase pixel A3", quantity="rad")
<i>DoubleId</i>	phaseB1 (description="Phase pixel B1", quantity="rad")
<i>DoubleId</i>	phaseB2 (description="Phase pixel B2", quantity="rad")
<i>DoubleId</i>	phaseB3 (description="Phase pixel B3", quantity="rad")
<i>DoubleId</i>	phaseB4 (description="Phase pixel B4", quantity="rad")
<i>DoubleId</i>	phaseC1 (description="Phase pixel C1", quantity="rad")
<i>DoubleId</i>	phaseC2 (description="Phase pixel C2", quantity="rad")
<i>DoubleId</i>	phaseC3 (description="Phase pixel C3", quantity="rad")
<i>DoubleId</i>	phaseC4 (description="Phase pixel C4", quantity="rad")
<i>DoubleId</i>	phaseC5 (description="Phase pixel C5", quantity="rad")
<i>DoubleId</i>	phaseD1 (description="Phase pixel D1", quantity="rad")
<i>DoubleId</i>	phaseD2 (description="Phase pixel D2", quantity="rad")
<i>DoubleId</i>	phaseD3 (description="Phase pixel D3", quantity="rad")
<i>DoubleId</i>	phaseD4 (description="Phase pixel D4", quantity="rad")
<i>DoubleId</i>	phaseE1 (description="Phase pixel E1", quantity="rad")
<i>DoubleId</i>	phaseE2 (description="Phase pixel E2", quantity="rad")

<i>DoubleId</i>	phaseE3 (description="Phase pixel E3", quantity="rad")
<i>DoubleId</i>	phaseDP1 (description="Phase pixel DP1", quantity="rad")
<i>DoubleId</i>	phaseDP2 (description="Phase pixel DP2", quantity="rad")
<i>DoubleId</i>	phaseR1 (description="Phase pixel R1", quantity="rad")
<i>DoubleId</i>	phaseT1 (description="Phase pixel T1", quantity="rad")
<i>DoubleId</i>	phaseT2 (description="Phase pixel T2", quantity="rad")

Chapter 7. Auxiliary Products

7.1. HPP

<i>product</i> (type="HPP", description="Herschel Pointing Product")	
<i>Meta-</i>	
<i>data</i>	
StringParameter	type (description="Herschel Pointing Product")
StringParameter	creator (description="null")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="null")
StringParameter	instrument (description="null")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	author (description="author of data (site)")
StringParameter	raDecSys (description="Coordinate reference frame for the RA, Dec")
DoubleParameter	equinox (description="Equinox of reference system")
StringParameter	telescope (description="Herschel")
StringParameter	siamId (description="Reference to the applicable SIAM")
LongParameter	odNumber (description="Operational Day")
<i>table</i>	(description="Pointing table")
<i>dataset</i>	
<i>Metadata</i>	
LongParameter	obsid (description="Observation ID")
LongParameter	bbid (description="Building Block ID")
LongParameter	rasterLineNum (description="Raster line number")
LongParameter	rasterColumnNum (description="Raster Column number")
LongParameter	scanLineNum (description="Scan line number")
LongParameter	nodCycleNum (description="Switching/nodding cycle number")
BooleanParameter	abPosId (description="A/B position identifier")
StringParameter	pointModeId (description="Point mode ID")

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StringParameter	apertureId (description="Instrument aperture")
BooleanParameter	serendipityFlag (description="SPIRE serendipity mode flag")
StringParameter	acmsMode (description="ACMS mode")
LongParameter	startDate (description="First product time key")
LongParameter	DATE_OBS (description="First product time key")
LongParameter	endDate (description="Last product time key")
<i>Long1d</i>	obt (description="On board time", quantity="none")
<i>Double2d</i>	commandQuat (description="Commanded Pointing quaternion", quantity="none")
<i>Double2d</i>	filterQuat (description="Filtered attitude quaternion", quantity="none")
<i>Double2d</i>	gyroPropQuat (description="Gyro-propagated attitude quaternion", quantity="none")
<i>Double1d</i>	strQuality (description="STR quality index (arcsec)", quantity="none")
<i>Double1d</i>	gyroQuality (description="Gyro-propagated quality index (arcsec)", quantity="none")
<i>Double2d</i>	angVelocity (description="S/C angular velocity (arcsec/sec)", quantity="none")
<i>Double2d</i>	angVelocityError (description="S/C angular velocity error (arcsec/sec)", quantity="none")
<i>Bool1d</i>	isConstantVelocity (description="Constant velocity flag", quantity="none")
<i>Bool1d</i>	isStrInterlacing (description="STR interlacing flag. 1 if active, 0 otherwise", quantity="none")
<i>Int1d</i>	qualityFlag (description="Quality flag", quantity="none")
<i>Bool1d</i>	isSlew (description="Slew flag", quantity="none")
<i>Bool1d</i>	isOutOfField (description="Out of field flag", quantity="none")
<i>Bool1d</i>	isOffPosition (description="Off-position flag", quantity="none")
<i>Bool1d</i>	isOnTarget (description="On-target flag", quantity="none")
<i>table dataset</i>	(description="Pointing table")
<i>Metadata</i>	
LongParameter	obsid (description="Observation ID")
LongParameter	bbid (description="Building Block ID")
LongParameter	rasterLineNum (description="Raster line number")
LongParameter	rasterColumnNum (description="Raster Column number")
LongParameter	scanLineNum (description="Scan line number")
LongParameter	nodCycleNum (description="Switching/nodding cycle number")
BooleanParameter	abPosId (description="A/B position identifier")
StringParameter	pointModeId (description="Point mode ID")
StringParameter	apertureId (description="Instrument aperture")
BooleanParameter	serendipityFlag (description="SPIRE serendipity mode flag")
StringParameter	acmsMode (description="ACMS mode")
LongParameter	startDate (description="First product time key")
LongParameter	DATE_OBS (description="First product time key")
LongParameter	endDate (description="Last product time key")

<i>Long1d</i>	obt (description="On board time", quantity="none")
<i>Double2d</i>	commandQuat (description="Commanded Pointing quaternion", quantity="none")
<i>Double2d</i>	filterQuat (description="Filtered attitude quaternion", quantity="none")
<i>Double2d</i>	gyroPropQuat (description="Gyro-propagated attitude quaternion", quantity="none")
<i>Double1d</i>	strQuality (description="STR quality index (arcsec)", quantity="none")
<i>Double1d</i>	gyroQuality (description="Gyro-propagated quality index (arcsec)", quantity="none")
<i>Double2d</i>	angVelocity (description="S/C angular velocity (arcsec/sec)", quantity="none")
<i>Double2d</i>	angVelocityError (description="S/C angular velocity error (arcsec/sec)", quantity="none")
<i>Bool1d</i>	isConstantVelocity (description="Constant velocity flag", quantity="none")
<i>Bool1d</i>	isStrInterlacing (description="STR interlacing flag. 1 if active, 0 otherwise", quantity="none")
<i>Int1d</i>	qualityFlag (description="Quality flag", quantity="none")
<i>Bool1d</i>	isSlew (description="Slew flag", quantity="none")
<i>Bool1d</i>	isOutOfField (description="Out of field flag", quantity="none")
<i>Bool1d</i>	isOffPosition (description="Off-position flag", quantity="none")
<i>Bool1d</i>	isOnTarget (description="On-target flag", quantity="none")

7.2. auxOrbitp

<i>product</i> (type="auxOrbitp", description="Herschel Predicted Orbit Ephemeris Product")	
<i>Meta-data</i>	
<i>String-Parameter</i>	type (description="Herschel Predicted Orbit Ephemeris Product")
<i>String-Parameter</i>	creator (description="null")
<i>DateParameter</i>	creationDate (description="Creation date of this product")
<i>String-Parameter</i>	description (description="null")
<i>String-Parameter</i>	instrument (description="null")
	modelName (description="null")

String-Parameter	
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
String-Parameter	author (description="author of data (site)")
String-Parameter	telescope (description="Herschel")
DoubleParameter	equinox (description="Equinox of reference system")
String-Parameter	centerName (description="Origin of reference frame")
String-Parameter	refFrame (description="Name of reference frame for ephemeris data")
String-Parameter	timeSystem (description="Time system for ephemeris data and metadata")
<i>table</i> <i>dataset</i>	(description="null")
<i>Meta-data</i>	
DateParameter	startDate (description="First product time key in dataset")
DateParameter	endDate (description="Last product key within dataset")
StringParameter	interpMethod (description="null")
StringParameter	interpDegree (description="null")
DateParameter	DATE_OBS (description="First product time key in dataset")
<i>LongId</i>	recordTime (description="Time key index (TAI)", quantity="TAI")
<i>LongId</i>	onBoardTime (description="OnboardTime (TAI ?)", quantity="TAI")

<i>Double2d</i>	orbitPos (description="Cartesian components of S/C position", quantity="km [1000.0 m]")
<i>Double2d</i>	orbitVel (description="Cartesian components of S/C velocity", quantity="km/s [1000.0 m/s]")

7.3. SIAM

<i>product (type="SIAM", description="Unknown")</i>	
<i>Metadata</i>	
StringParameter	type (description="Product Type")
StringParameter	creator (description="Generator of this product")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="Name of this product")
StringParameter	instrument (description="Instrument attached to this product")
StringParameter	modelName (description="Model name attached to this product")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	author (description="author of data (site)")
StringParameter	fileName (description="Filename when exported to FITS")
StringParameter	activeStrId (description="Identification of the active STR")
StringParameter	telescope (description="Herschel")
LongParameter	nPacsSaa (description="Number of PACS reference SAAs (0 means not used)")
LongParameter	nSpireSaa (description="Number of Spire reference SAAs (0 means not used)")
LongParameter	nHifiSaa (description="Number of HiFi reference SAAs (0 means not used)")
<i>array dataset</i>	(description="null")
<i>Metadata</i>	
StringParameter	instrument (description="null")
StringParameter	apertureId (description="null")
DateParameter	validityStart (description="null")
DoubleParameter	SAA (description="null")
<i>Double2d</i>	(description="null", quantity="none")

7.4. auxTch

<i>product (type="auxTch", description="Herschel Telecommand History Product")</i>	
<i>Metadata</i>	
StringParameter	type (description="Herschel Telecommand History Product")
StringParameter	creator (description="null")
DateParameter	creationDate (description="Creation date of this product")

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StringParameter	description (description="null")	
StringParameter	instrument (description="null")	
StringParameter	modelName (description="null")	
DateParameter	startDate (description="Start date of this product")	
DateParameter	endDate (description="End date of this product")	
StringParameter	author (description="author of data (site)")	
StringParameter	telescope (description="Herschel")	
LongParameter	odNumber (description="Operational Day Number count")	
<i>table dataset</i>	<i>(description="null")</i>	
<i>Metadata</i>		
<i>LongId</i>	tcIndex	(description="Telecommand Index Key", quantity="none")
<i>LongId</i>	tcId	(description="HCSS Telecommand ID", quantity="none")
<i>StringId</i>	name	(description="TC name from MIB", quantity="none")
<i>StringId</i>	desc	(description="TC description", quantity="none")
<i>StringId</i>	seq	(description="Parent sequence name", quantity="none")
<i>LongId</i>	releaseTime	(description="Release Time", quantity="TAI")
<i>LongId</i>	executionTime	(description="Execution time", quantity="TAI")
<i>StringId</i>	staticPtvCheck	(description="Static PTV check state", quantity="none")
<i>StringId</i>	dynamicPtvCheck	(description="Dynamic PTV check state", quantity="none")
<i>StringId</i>	cevCheck	(description="CEV check state", quantity="none")
<i>StringId</i>	group	(description="Group flag value", quantity="none")
<i>StringId</i>	block	(description="Block flag value", quantity="none")
<i>StringId</i>	interlockStatus	(description="Interlock status", quantity="none")
<i>StringId</i>	sourceType	(description="Source type", quantity="none")
<i>StringId</i>	source	(description="Source workstation ID", quantity="none")
<i>LongId</i>	updateTime	(description="Update time", quantity="TAI")
<i>StringId</i>	verificationStatus	(description="Verification status", quantity="none")
<i>table dataset</i>	<i>(description="null")</i>	
<i>Metadata</i>		
<i>LongId</i>	tcIndex	(description="Telecommand Index Key", quantity="none")
<i>StringId</i>	name	(description="TC name from MIB", quantity="none")
<i>StringId</i>	desc	(description="TC description", quantity="none")
<i>StringId</i>	valueRepresentation	(description="Parent sequence name", quantity="none")
<i>StringId</i>	radix	(description="Packet type", quantity="none")
<i>StringId</i>	value	(description="Execution time", quantity="none")
<i>table dataset</i>	<i>(description="null")</i>	
<i>Metadata</i>		
<i>LongId</i>	tcIndex	(description="Telecommand Index Key", quantity="none")

<i>StringId</i>	bitPattern (description="Bit pattern in hexadecimal string format", quantity="none")

7.5. auxTimec

<i>product (type="auxTimec", description="Herschel Time Correlation Product")</i>	
<i>Metadata</i>	
StringParameter	type (description="Herschel Time Correlation Product")
StringParameter	creator (description="null")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="null")
StringParameter	instrument (description="null")
StringParameter	modelName (description="null")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	author (description="author of data (site)")
StringParameter	telescope (description="Herschel")
LongParameter	odNumber (description="Operational Day Number count")
<i>table dataset (description="null")</i>	
<i>Metadata</i>	
<i>LongId</i>	recordTime (description="TAI Time key index", quantity="TAI")
<i>LongId</i>	scet (description="SCET Time UTC Reference", quantity="UTC")
<i>LongId</i>	ctr (description="CTR Onboard Central Time Reference TAI (CUC for", quantity="TAI")
<i>LongId</i>	corScet (description="Correlated SCET Time UTC Reference", quantity="UTC")
<i>DoubleId</i>	gradient (description="Gradient of the coefficient", quantity="none")
<i>DoubleId</i>	offset (description="Offset of the coefficient", quantity="none")
<i>ByteId</i>	validAccuracy (description="Accuracy and validity flag of the parameters", quantity="none")
<i>ShortId</i>	numTimeCouples (description="Number of time couples", quantity="none")
<i>ByteId</i>	tcoMode (description="Time Correlation Mode", quantity="none")
<i>ByteId</i>	resetCheckStatus (description="Status of OBT rest checking", quantity="none")
<i>ByteId</i>	msbMaskStatus (description="Status of OBT MSB masking", quantity="none")
<i>LongId</i>	resetCheckSpid (description="SPID of TM packet used for OBT reset checking", quantity="none")

7.6. auxRawSREM

<i>product (type="auxRawSREM", description="Herschel Raw SREM Product")</i>	
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<i>Metadata</i>	
StringParameter	type (description="Herschel Calibrated SREM Product")
StringParameter	creator (description="null")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="null")
StringParameter	instrument (description="null")
StringParameter	modelName (description="null")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
StringParameter	author (description="author of data (site)")
StringParameter	telescope (description="Herschel")
LongParameter	odNumber (description="Operational Day Number count")
<i>table dataset</i>	(description="null")
<i>Metadata</i>	
DateParameter	startDate (description="First product time key in dataset")
DateParameter	endDate (description="Last product key within dataset")
DateParameter	DATE_OBS (description="First product time key in dataset")
<i>LongId</i>	startAccumTime (description="Start accumulation time (assumed TAI", quantity="TAI")
<i>LongId</i>	endAccumTime (description="End accumulation time (assumed TAI", quantity="TAI")
<i>LongId</i>	tc1Raw (description="Total counts in D1 (protons tc1 raw)", quantity="none")
<i>LongId</i>	s12Raw (description="Proton alarm (s12 raw)", quantity="none")
<i>LongId</i>	s13Raw (description="Single protons (s13 raw)", quantity="none")
<i>LongId</i>	s14Raw (description="Single protons (s14 raw)", quantity="none")
<i>LongId</i>	s15Raw (description="Single protons (s15 raw)", quantity="none")
<i>LongId</i>	tc2Raw (description="Total counts in D2 (protons tc2 raw)", quantity="none")
<i>LongId</i>	s25Raw (description="Heavy ions (s25 raw)", quantity="none")
<i>LongId</i>	c1Raw (description="Coincidence, protons (c1 raw)", quantity="none")
<i>LongId</i>	c2Raw (description="Coincidence, protons (c2 raw)", quantity="none")
<i>LongId</i>	c3Raw (description="Coincidence, protons (c3 raw)", quantity="none")
<i>LongId</i>	c4Raw (description="Coincidence, protons (c4 raw)", quantity="none")
<i>LongId</i>	tc3Raw (description="Total counts in D3 (electrons)", quantity="none")
<i>LongId</i>	s32Raw (description="Electron alarm (s32 raw)", quantity="none")
<i>LongId</i>	s33Raw (description="Proton count (s33 raw)", quantity="none")
<i>LongId</i>	s34Raw (description="Proton count (s34 raw)", quantity="none")
<i>LongId</i>	pl1 (description="Dead time correction count D1", quantity="none")
<i>LongId</i>	pl2 (description="Dead time correction count D2", quantity="none")
<i>LongId</i>	pl3 (description="Dead time correction count D3", quantity="none")
<i>IntId</i>	t8Raw (description="D1/D2 temperature sensor", quantity="none")

	<i>Int1d</i>	t9Raw (description="D3 temperature sensor", quantity="none")
<i>table dataset</i>	(description="null")	
<i>Metadata</i>		
	DateParameter	startDate (description="First product time key in dataset")
	DateParameter	endDate (description="Last product key within dataset")
	DateParameter	DATE_OBS (description="First product time key in dataset")
	<i>Long1d</i>	AcqTime (description="Aquisition time (assumed TAI", quantity="TAI")
	<i>Int1d</i>	t7Raw (description="Internal temperature sensor T7", quantity="none")
	<i>Int1d</i>	d7Raw (description="Total dose in internal RadFET (D7 raw)", quantity="none")
	<i>Int1d</i>	vCalRef1Raw (description="Calibration reference voltage 1", quantity="none")
	<i>Int1d</i>	vCalRef2Raw (description="Calibration reference voltage 2", quantity="none")
	<i>Int1d</i>	vCalRef3Raw (description="Calibration reference voltage 3", quantity="none")
	<i>Int1d</i>	vCalRef4Raw (description="Calibration reference voltage 4", quantity="none")
	<i>Int1d</i>	cCalRef1Raw (description="Calibration temperature", quantity="none")
	<i>Int1d</i>	cCalRef2Raw (description="CALibration offset temperature", quantity="none")

7.7. auxCalSREM

<i>product (type="auxCalSREM", description="Herschel Calibrated SREM Product")</i>		
<i>Metadata</i>		
	StringParameter	type (description="Herschel Calibrated SREM Product")
	StringParameter	creator (description="null")
	DateParameter	creationDate (description="Creation date of this product")
	StringParameter	description (description="null")
	StringParameter	instrument (description="null")
	StringParameter	modelName (description="null")
	DateParameter	startDate (description="Start date of this product")
	DateParameter	endDate (description="End date of this product")
	StringParameter	author (description="author of data (site)")
	StringParameter	telescope (description="Herschel")
	LongParameter	odNumber (description="Operational Day Number count")
<i>table dataset</i>	(description="null")	
<i>Metadata</i>		
	DateParameter	startDate (description="First product time key in dataset")
	DateParameter	endDate (description="Last product key within dataset")

Auxiliary Products

DoubleParameter	protonE1 (description="Proton energy E1, MeV")
DoubleParameter	protonE2 (description="Proton energy E2, MeV")
DoubleParameter	protonE3 (description="Proton energy E3, MeV")
DoubleParameter	protonE4 (description="Proton energy E4, MeV")
DoubleParameter	protonE5 (description="Proton energy E5, MeV")
DoubleParameter	electronE1 (description="Electron energy E1, MeV")
DoubleParameter	electronE2 (description="Electron energy E2, MeV")
DoubleParameter	electronE3 (description="Electron energy E3, MeV")
DoubleParameter	electronE4 (description="Electron energy E4, MeV")
DateParameter	DATE_OBS (description="First product time key in dataset")
<i>Long1d</i>	accumEpoch (description="Accumulation epoch (TAI)", quantity="TAI")
<i>Double1d</i>	countRateD1 (description="Count rate in detector D1", quantity="Hz")
<i>Double1d</i>	countRateD2 (description="Count rate in detector D2", quantity="Hz")
<i>Double1d</i>	countRateD3 (description="Count rate in detector D3", quantity="Hz")
<i>Double2d</i>	protonDiffFlux (description="Omnidirectional differential proton flux", quantity="1/(MeV.cm2.s) [6.2415097445115248E16 1/(J.m2.s)]")
<i>Double2d</i>	protonDiffFluxErr (description="Omnidirectional differential proton flux error", quantity="1/(MeV.cm2.s) [6.2415097445115248E16 1/(J.m2.s)]")
<i>Double2d</i>	electronDiffFlux (description="Omnidirectional differential electron flux", quantity="1/(MeV.cm2.s) [6.2415097445115248E16 1/(J.m2.s)]")
<i>Double2d</i>	electronDiffFluxErr (description="Omnidirectional differential electron flux error", quantity="1/(MeV.cm2.s) [6.2415097445115248E16 1/(J.m2.s)]")
<i>Double1d</i>	anisotropyIndex (description="Anisotropy index", quantity="none")
<i>Double1d</i>	d12Temp (description="D1/D2 temperature", quantity="K")
<i>Double1d</i>	d3Temp (description="D3 temperature", quantity="K")
<i>Double2d</i>	orbitPos (description="Spacecraft orbital position (EME2000 frame)", quantity="km [1000.0 m]")
<i>Double1d</i>	ra (description="Spacecraft pointing RA", quantity="degree [0.017453292519943295 rad]")
<i>Double1d</i>	dec (description="Spacecraft pointing Dec", quantity="degree [0.017453292519943295 rad]")
<i>Double1d</i>	posAngle (description="Spacecraft pointing Position angle", quantity="degree [0.017453292519943295 rad]")
<i>table dataset</i>	(description="null")
<i>Metadata</i>	
DateParameter	startDate (description="First product time key in dataset")
DateParameter	endDate (description="Last product key within dataset")
DateParameter	DATE_OBS (description="First product time key in dataset")
<i>Long1d</i>	AcqTime (description="Aquisition time (assumed TAI)", quantity="TAI")
<i>Double1d</i>	doseRadFet (description="Total dose in internal RadFET", quantity="Rads [0.01 J/kg]")

<i>DoubleId</i>	radFetTemp (description="Internal RadFET temperature", quantity="K")

7.8. auxUpl

<i>product (type="auxUpl", description="Herschel Uplink Product")</i>	
<i>Metadata</i>	
StringParameter	type (description="Herschel Uplink Product")
StringParameter	creator (description="null")
DateParameter	creationDate (description="Creation date of this product")
StringParameter	description (description="null")
StringParameter	instrument (description="null")
StringParameter	modelName (description="null")
DateParameter	startDate (description="Start date of this product")
DateParameter	endDate (description="End date of this product")
LongParameter	obsid (description="Observation ID")
StringParameter	author (description="author of data (site)")
StringParameter	telescope (description="Herschel")
LongParameter	odnumber (description="Operational Day Number count")