



ICC website and Miscellaneous Data

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SPIRE ICC Pages – <http://www.spire.rl.ac.uk/icc>



SPIRE ICC Homepage

This is the ICC website - content is gradually moving to the Herschel TWiki...

Operations Information

[Health Monitoring Logs](#)

[Observation Logs](#)

[Trend Analysis](#)

[Herschel Telescope Temperature](#)

Documentation:

[Pipeline Description Documents](#)

[Daily Spectrometer Telescope RSRF Calibration Products](#)

[Calibration Trees](#)

[\(Product Definitions\)](#)

[ICC Meeting Minutes](#)

“This is the ICC website - content is gradually moving to the Herschel TWiki...”
- *has it moved?*



Health Monitoring Logs -1

SPIRE Instrument Health Monitoring

Health Monitor Summary for each operational day

Operational Day	Start Time	End Time
1491	# 12-06-2013 11:15:00 UTC	# 13-06-2013 09:05:00 UTC
1490	# 11-06-2013 09:05:00 UTC	# 12-06-2013 11:15:00 UTC
1489	# 10-06-2013 10:55:00 UTC	# 11-06-2013 09:05:00 UTC
1488	# 09-06-2013 10:45:00 UTC	# 10-06-2013 10:55:00 UTC
1487	# 08-06-2013 10:35:00 UTC	# 09-06-2013 10:45:00 UTC
1486	# 07-06-2013 10:25:00 UTC	# 08-06-2013 10:35:00 UTC
1485	# 06-06-2013 10:15:00 UTC	# 07-06-2013 10:25:00 UTC
1484	# 05-06-2013 10:05:00 UTC	# 06-06-2013 10:15:00 UTC
1483	# 04-06-2013 09:55:00 UTC	# 05-06-2013 10:05:00 UTC
1482	# 03-06-2013 09:45:00 UTC	# 04-06-2013 09:55:00 UTC
1481	# 02-06-2013 09:40:41 UTC	# 03-06-2013 09:45:00 UTC
1480	# 01-06-2013 09:44:24 UTC	# 02-06-2013 09:40:41 UTC



Health Monitoring Logs - 2

```
# /disks/winchester1/ops/operations/logs/OD_1032/SpireOps_HealthMon_Summary_OD1032_100312_v3.txt
# Observational day: 1032
# 10-03-2012 16:06:35 UTC
# to
# 11-03-2012 18:37:40 UTC
# log processed on 14-03-2012 07:57:01 UTC
#
# Database = ops_1@chesterfield
#
Health Monitoring Summary

**** Event Packet Summary ****
  Events (excl STEPs): 16
    Exceptions: 0
    Alarms: 0

**** Telecommand Summary ****
  TC Acceptance failures: 0
  TC Execution failures: 0

**** Transparent Packet Summary ****
  Number of Transparent Packets received: 0

**** Missing Packet Summary ****
  Nominal Housekeeping Packets = 0 of 87098
    Critical Packets = 0 of 55028
  Photometer Science Data = 0 of 0
  Spectrometer Science Data = 0 of 1062456
  Subsystem Science Data = 0 of 255961
```



Health Monitoring - 3

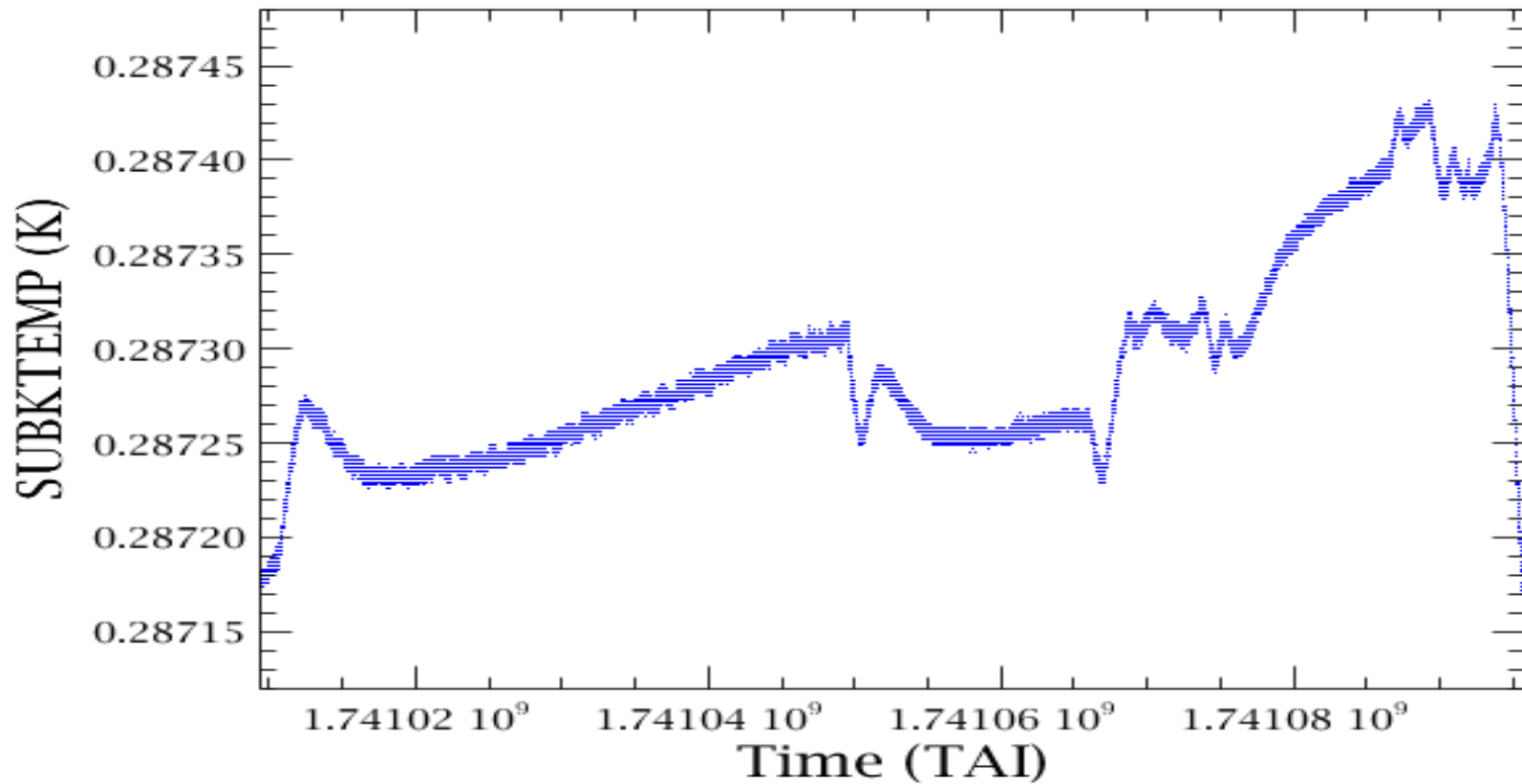
Operational Day	CHK Gaps	Command Failures	DRCU Events	NHK Gaps	PSD Gaps	SSD Gaps	SuSD Gaps	Transparent Packets	SMEC Open Loop Pkts	Memory Check Packets
1491	CHK_Gaps	CommandFailures	DRCUEvents	NHK_Gaps						
1490	CHK_Gaps	CommandFailures	DRCUEvents	NHK_Gaps			SuSD_Gaps			
1489		CommandFailures	DRCUEvents							
1488		CommandFailures	DRCUEvents							
1487		CommandFailures	DRCUEvents							
1486		CommandFailures	DRCUEvents							
1485	CHK_Gaps	CommandFailures	DRCUEvents	NHK_Gaps			SuSD_Gaps			ProgramMemCheckPackets
1484		CommandFailures	DRCUEvents	NHK_Gaps			SuSD_Gaps			



Trend Analysis

OD 1390 – SUBKTEMP

Starts: 2013-03-03T13:43:07 TAI





Telescope Temperatures

<u>OD_1484_TelescopeTemp.csv</u>	160.4 kb
<u>OD_1485_TelescopeTemp.csv</u>	160.4 kb
<u>OD_1486_TelescopeTemp.csv</u>	5.4 kb
<u>OD_1487_TelescopeTemp.csv</u>	2.4 kb
<u>OD_1488_TelescopeTemp.csv</u>	158.7 kb
<u>OD_1489_TelescopeTemp.csv</u>	147.5 kb
<u>OD_1490_TelescopeTemp.csv</u>	134.0 kb
<u>OD_1491_TelescopeTemp.csv</u>	109.9 kb



Operations Information & Tools

Operations Information

- Q – Is all this Operations Information required for the HSA?

Operations Tools

- Health Monitoring Tools
 - Observation Logging Tools
 - Trend Analysis Tools
- } Jython Scripts

All these tools rely on interrogating the SPIRE Operational Database (Versant)

- Q – Are these tools required for the HSA?



SPIRE Twiki Pages

Commissioning and PV Phase

Operations

- [ICC Operations Manual](#)
- [SPIRE Instrument User Manual](#)
- [DataICD3.0.pdf: SPIRE Data ICD \(Latest Version\)](#)
- [ICC Interactions Document](#)
- [OD Approval](#)
- [VM and OBS Table Versions Page](#)
- [SPIRE Mission Configurations Page - for all Calibration & Astronomer MCs](#)
- [Operations Team Page](#)
- [Manual Commanding Log](#)
- [Single Event Upsets in the OBS Program Memory](#)
- [Single Event Upsets in the OBS Tables](#)
- [Transparent Packets](#)
- [Chop-Jiggle coupling term](#)
- [SPIRE CCB: info and minutes](#)
- [ICC Testing](#)



ILT/IST databases

- See Wiki page
<http://herschel.esac.esa.int/twiki/bin/view/Spire/SpireDatabases>
- These used to be systematically copied to the HSC
 - Are they still there?
 - Are they complete?
- Do we want this data for Herschel legacy?



CDMS Simulator

S/C simulator developed by SPIRE ICC for use by Herschel/Planck instruments

- Labview + C code
- Do we want this for Herschel Legacy?



TC History

- Software tools from Stockholm Observatory (SO) to take existing daily TC history files and translate them into a more meaningful format (from a SPIRE perspective)
- These tools have some bugs which need to be fixed. No support available from SO
- Are these translated files needed for the HSA?