Four Types of Flux-related Units in Herschel			
power/area/δ freq/δ sky	power/area/δ freq	power/area/δ sky	power/area
Unit Name:			
Intensity, T_B	Flux Density	Integrated Intensity	Flux
Examples:			
W/m2/Hz/sr (1)	W/m2/Hz	W/m2/sr (b)	W/m2 (d)
erg/s/cm2/um/sr	W/m2/um	K km/s (c)	W/cm2
Jy/sr	erg/s/cm2/um	Jy um/spaxel (4)	erg/s/cm2 (e)
K (2)	Jy (a)		
Jy /Spaxel (3)			
Where used?			
(1) SPIRE? (2) HIFI (3, 4) PACS		(a, b, c, d, e) Are units users might like, e.g..	

This table lists four common types of flux-related units. The units in each column may be computed from each other. Integrating Intensity (col 1) over d_sky gives Flux Density (col 2). Integrating Intensity over d_freq gives Integrated Intensity (col 3). Integrating over both gives Flux (col 4).

Steve Lord – 29 Aug 2912 – for Webex Units SEII discussion lord@ipac.caltech.edu