



Publication Year	2015
Acceptance in OA	2020-04-08T16:50:29Z
Title	VizieR Online Data Catalog: Characterization of Herschel SPIRE FTS (Hopwood+, 2015)
Authors	Hopwood, R., Polehampton, E. T., Valtchanov, I., Swinyard, B. M., Fulton, T., Lu, N., MARCHILI, Nicola, Van Der Wiel, M. H. D., Benielli, D., Imhof, P., Baluteau, J. -P., Pearson, C., Clements, D. L., Griffin, M. J., Lim, T. L., Makiwa, G., Naylor, D. A., Noble, G., Puga, E., Spencer, L. D.
Handle	http://hdl.handle.net/20.500.12386/23938

repeatability is better than 6 percent, which improves to 1-2 percent for spectra corrected for pointing offsets. The continuum repeatability is 4.4 percent for the SPIRE Long Wavelength spectrometer (SLW) band and 13.6 percent for the SPIRE Short Wavelength spectrometer (SSW) band, which reduces to ~1 percent once the data have been corrected for pointing offsets. Observations of dark sky were used to assess the sensitivity and the systematic offset in the continuum, both of which were found to be consistent across the FTS-detector arrays. The average point-source calibrated sensitivity for the centre detectors is 0.20 and 0.21Jy [1 σ ; 1h], for SLW and SSW. The average continuum offset is 0.40Jy for the SLW band and 0.28Jy for the SSW band.

Description:

Tables summarizing the FTS observations used.

File Summary:

FileName	Lrecl	Records	Explanations
ReadMe	80	.	This file
tableb.dat	69	408	AFGL2688, AFGL4106, CRL618, NGC7027, NGC6302, R Dor, CW Leo, VY CMa, Uranus, Neptune, Mars, Saturn, Ceres, Hebe, Hygiea, Juno and Vesta observations taken after OD 189 (tables B1-B20)

Byte-by-byte Description of file: [tableb.dat](#)

Bytes	Format	Units	Label	Explanations
1- 9	A9	---	Name	Source name
11- 23	A13	---	Mode	Mode (1)
25- 28	I4	---	OD	Herschel operational day
30- 39	A10	"date"	Date	Observation date (DD-MM-YYYY)
41- 43	I3	---	Reps	Number of repetitions
45- 54	I10	---	obsId	Herschel observation ID
55- 57	A3	---	n_obsId	Note on obsId (2)
59- 60	A2	---	Res	Commanded resolution
62- 65	F4.1	arcsec	Poff	? Pointing offset (3)
67- 69	F3.1	arcsec	e_Poff	? rms uncertainty on Poff

Note (1): Modes as follows:

CR = CR nominal sparse
 CR/HR bright = CR/HR bright sparse
 HR = HR nominal sparse
 HR/CR = HR/CR nominal sparse

