
Content of the z-GAL public data package; version of May 25th, 2023

uv-tables (abbreviated "uvt") of all z-GAL scans taken with NOEMA are provided in both GILDAS format (*.uvt) and in uv-FITS format (*.fits)

Spectral uv-tables.

For each target and NOEMA tuning (scan), two files are included, belonging to the two different side bands of NOEMA.

Filenames reflect the content of the given file:

'source_name'-'low_band_edge'-'high_band_edge'-'flag'.uvt/fits

Where:

'source_name' = name of the source in the Herschel catalogs (HerBS, HeLMS, HerS)
'low_band_edge' = frequency [MHz] at the lower end of the covered freq. range
'high_band_edge' = frequency [MHz] at the upper end
'flag' = f if the IRAM pipeline flags were taken into account to exclude bad data
 n if the IRAM pipeline flags were ignored
 fn if the uv table is obtained merging two tracks,
 the first with flag=f and the second with flag=n
 nf viceversa (never the case so far)

Continuum uv-tables.

These were produced averaging over all spectral channels that do not contain spectral lines.

Filenames reflect the content of the given file:

'source_name'-c-'center_frequency'-'flag'.uvt

Where:

'source_name' = name of the source in the Herschel catalogs (HerBS, HeLMS, HerS)
'center_frequency' = reference frequency for the continuum
'flag' = f if the IRAM pipeline flags were taken into account to exclude bad data
 n if the IRAM pipeline flags were ignored
 fn if the uv table is obtained merging two tracks,
 the first with flag=f and the second with flag=n
 nf viceversa (never the case so far)

c = continuum

Please, give credit to z-GAL (Cox et al. 2023; Ismail et al. 2023; Berta et al. 2023; Neri et al 2020), as well as to the z-GAL Cat and Tiger teams members who produced this data package, when using z-GAL data for your analysis/papers and when mentioning z-GAL in conferences and seminars.
