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## Sparse Single-Pointing unaveraged spectra
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##
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##
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Description of UPDP

The unaveraged spectra UPDPs are data products that have been fully processed with the SPIRE Spectrometer standard product generation (SPG) pipeline, except the averaging step has been omitted. This means that for each detectors in a given observation, the UPDP contains all of the individual forward and reverse scans.

The data were reduced with HIPE version 15.0, using `spire_cal_14_3`.

There are unaveraged products for all observations taken in Sparse, Single-Pointing mode. The data are point-source calibrated in flux density units of Jy and presented in the same format as their averaged HSA counterpart.

Each product is provided as a gzipped FITS file, which are named with the convention:

```
"OBSID_unaveraged_RES_pointSourceSpectrum.fits.gz"
```

where
OBSID is the observation identification number.
RES is the resolution of the observations. Either HR or LR. Both resolutions are available for observations taken in H+LR mode.

The files size ranges from 56 KB to 375 MB.

You can find the FITS extensions that correspond to the centre detectors using the respective names, i.e. "SLWC3" and "SSWD4".

The FITS extension names (EXTNAME keyword) correspond to the name of the detectors, so the unaveraged spectra for the two central detectors are in extensions "SLWC3" and "SSWD4".

Purpose

These data have been made available so that inspection and analysis of the constituent scans of the standard averaged product (in the HSA) is possible without rerunning the pipeline.

Caveats

Note that the following observations are considered as "Failed" due to poor calibration or due to high pointing offset from the intended on-sky position. If you are considering inspecting any of these, it is important to read the accompanying quality control summary.

"Failed" observation IDs

```
1342188185
1342193810
1342193811
1342193661
1342193662
1342193666
1342202272
1342208381
1342208382
1342208383
1342208384
```