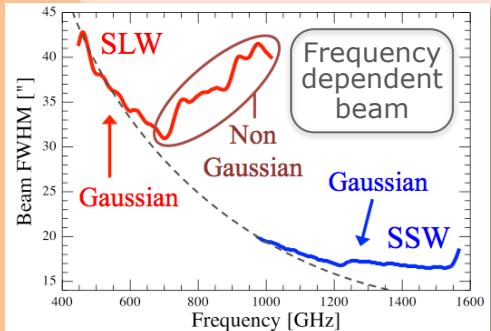


KEY LITERATURE

SPIRE Handbook,
SPIRE Data Reduction Guide
Swinyard et al., 2014
Hopwood et al., 2015



MAPPING MODES

2.6' FoV

Sparse: single pointing

Intermediate: 4 point jiggle

Full: 16 point jiggle

SPARSE OR MAPPING RASTER PATTERN

User defined FoV

CALIBRATION ACCURACY

Point-source : 6%

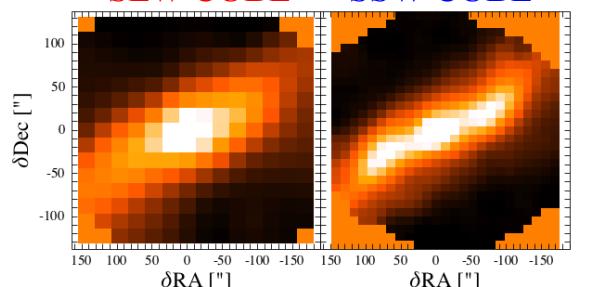
Extended-source :

1% sparse mode & 7% mapping mode

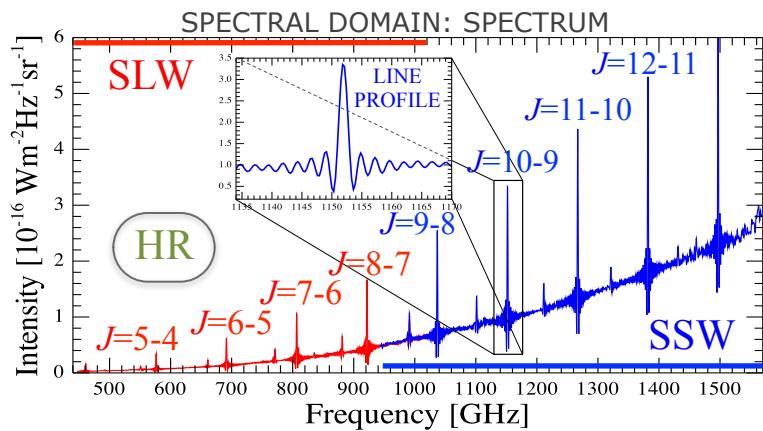
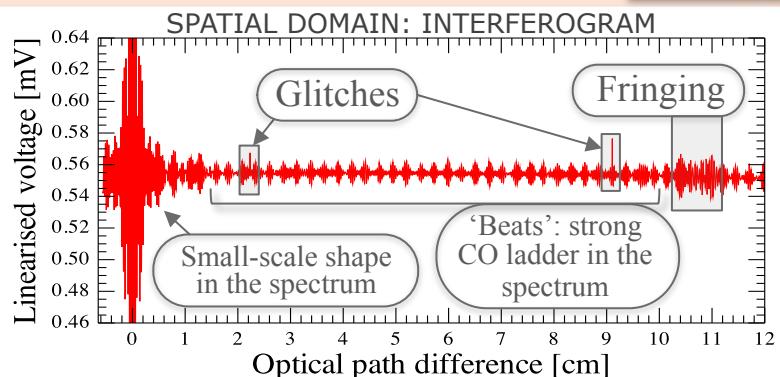
AVG. CONTINUUM OFFSET (additive):

	SLW	SSW
Point-source calibration	0.4 Jy	0.3 Jy
Extended calibration	9.4×10^{-20} Wm ⁻² Hz ⁻¹ sr ⁻¹	2.3×10^{-19} Wm ⁻² Hz ⁻¹ sr ⁻¹

SLW CUBE SSW CUBE



The SPIRE Fourier Transform Spectrometer



SPECTRAL RESOLUTION

HIGH (HR) 1.2 GHz, LOW (LR) 25 GHz

Herschel Science Archive Level-2

SPARSE naming example for HR

Point-source calibrated Spectra → "HR_spectrum_point"

Extended calibrated → "HR_spectrum_ext"

MAPPING naming example for HR SLW

Spectral cubes → "HR_SLW_cube"/"HR_SLW_cube_convolved"

spectra → "HR_SLW_spectrum2d"