



## What bands, frequencies, or wavelength ranges are available in Cycle 2?

Sarah Wood - 2025-03-11 - General

Six observing bands will be available for Cycle 2 (Early Science) observations. They are designated bands 3, 4, 6, 7, 8, 9. The nominal frequency & wavelength ranges are:

Band	Frequency Range (GHz)	Wavelength Range (mm)
3	84-116	3.6-2.6
4	125-163	2.4-1.8
6	211-275	1.4-1.1
7	275-373	1.1-0.80
8	385-500	0.78-0.60
9	602-720	0.50-0.42

These are the nominal frequency ranges for continuum observations. Observations of spectral lines that are within about 0.2 GHz of a band edge are not possible at present in FDM, because of the responses of the spectral edge filters implemented in the correlators.

For more information on the observing bands, frequencies or wavelength ranges available for early science observations, refer to the [Capabilities page](#) in the science portal.