

Nobeyama 45m CO Galactic Plane Survey

○Atsushi NISHIMURA (Nobeyama Radio Observatory)

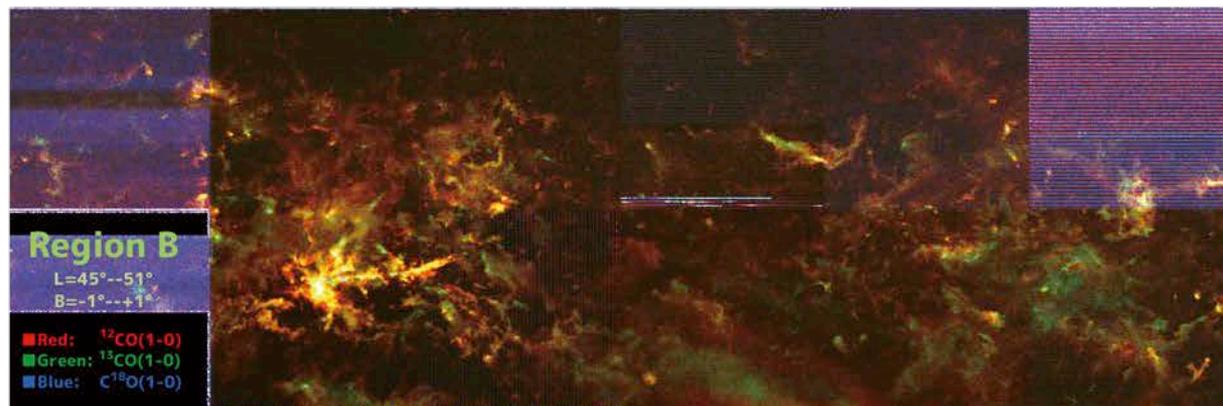
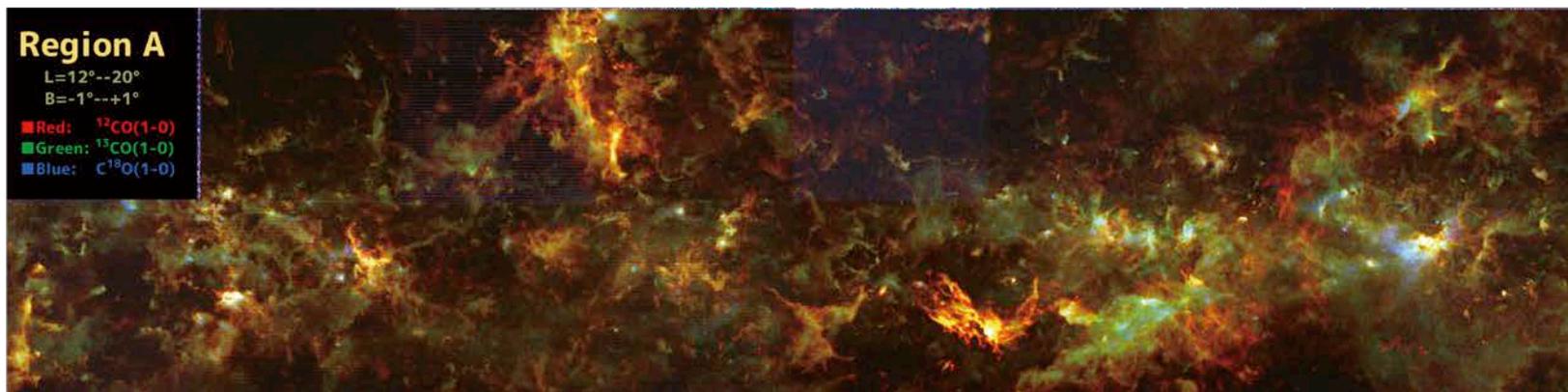
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P/I: T. Umemoto & T. Minamidani (NRO/NAOJ)

- One of the NRO-Legacy project
- 3 years (totally 1200 hours) observation
- Using FOREST (new multi-beam) receiver

	first year	finally (+3yr)
Survey coverage	31 deg ²	160 deg ²
Regions	see poster	l = 10°-50°, 198°-236° b = ±1°
Lines	¹² CO, ¹³ CO, C ¹⁸ O (J=1-0)	
Resolutions	angular: ~15", velocity: 1km/s	
Sensitivity	~ 0.4 K	~ 0.1 K (¹³ CO, T _A [*])



Results of test observations
(March - May 2014)

- Red: ¹²CO(1-0)
- Green: ¹³CO(1-0)
- Blue: C¹⁸O(1-0)