

THz Astronomy from Mount Fuji

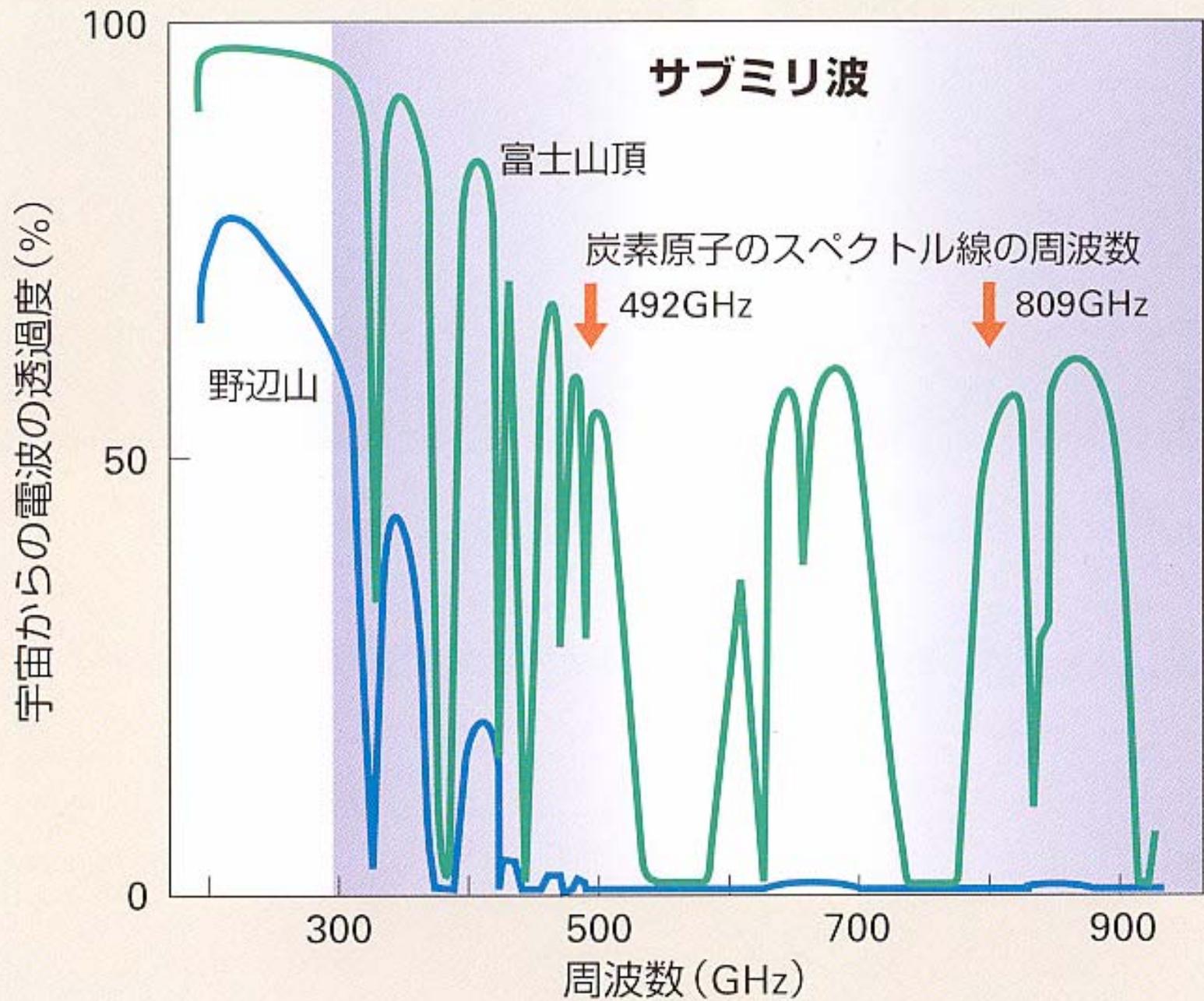
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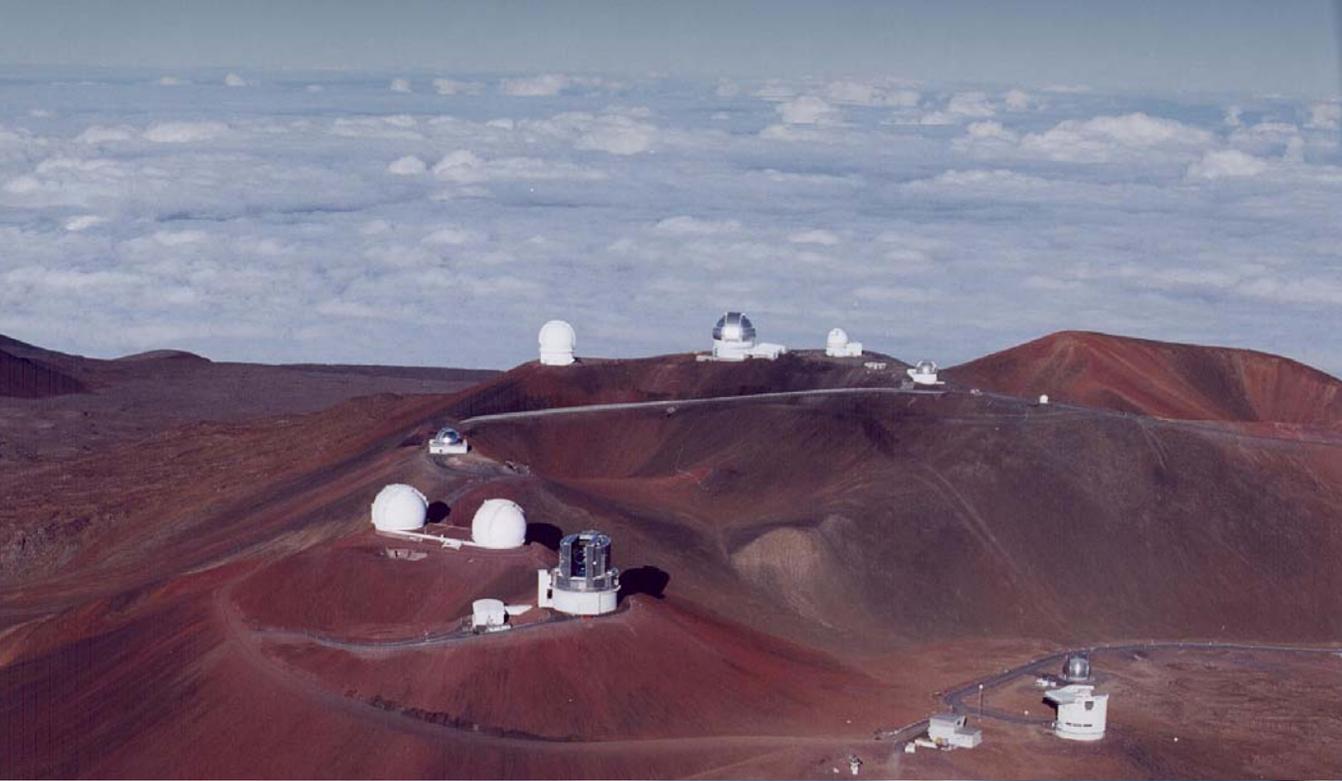




High Altitude Site with
Low Temperature and
Low Humidity Conditions

Mount Fuji (3776m)
is a unique site for
submillimeter-wave
astronomy in Japan.



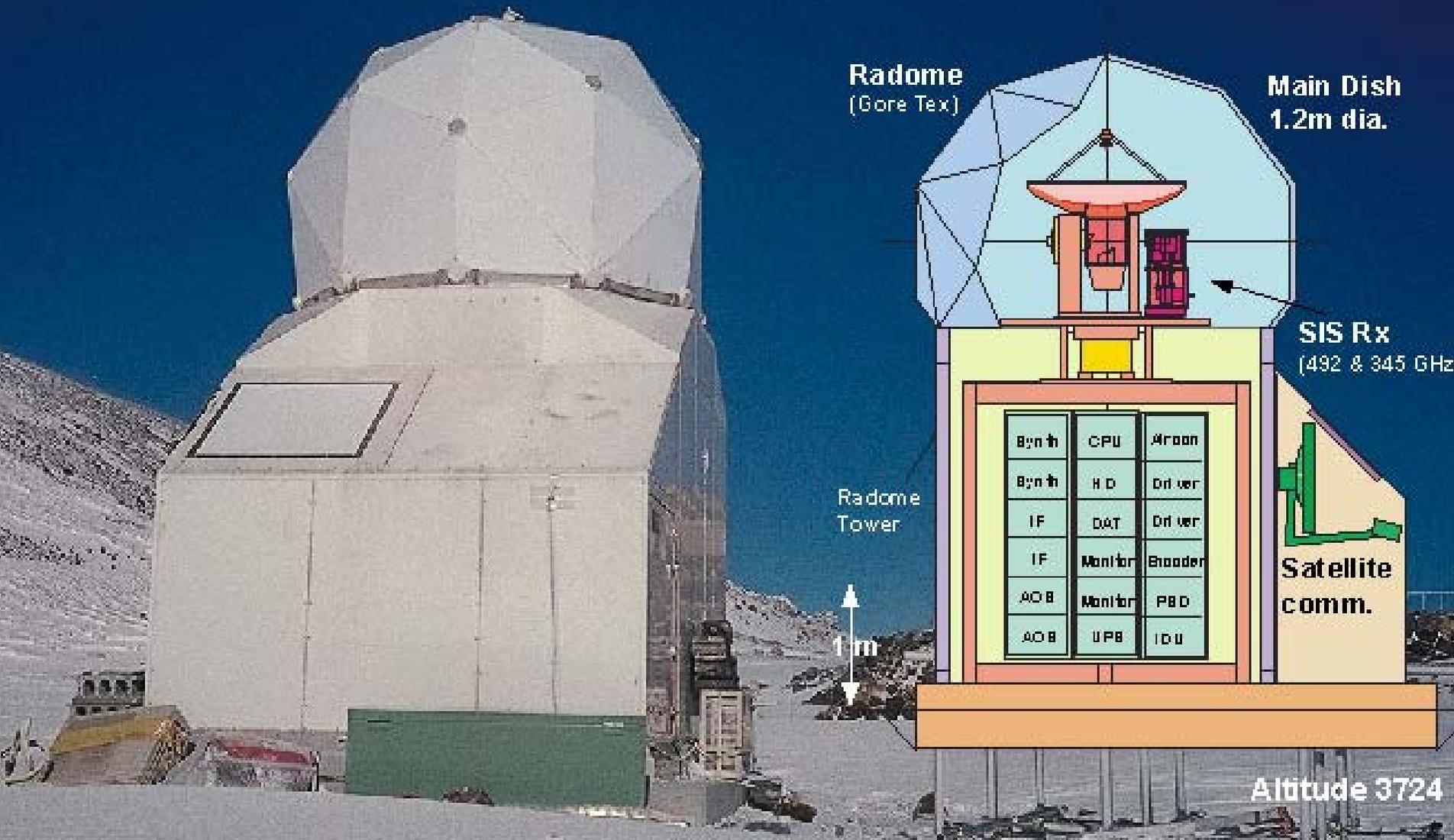


Mauna Kea (4200 m)



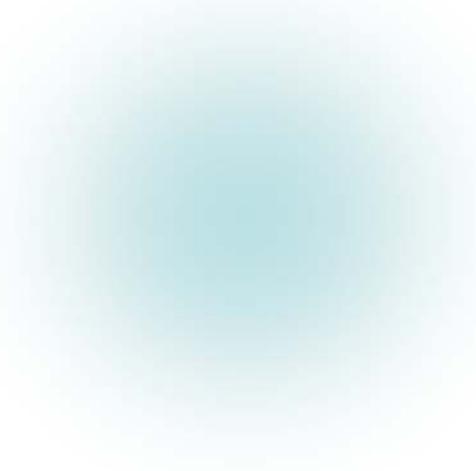
Pampa la Bola, Chile
(5000 m)

Mt. Fuji Submillimeter-wave Telescope



Chemical Evolution of Interstellar Clouds

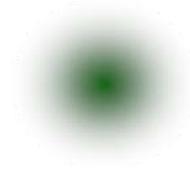
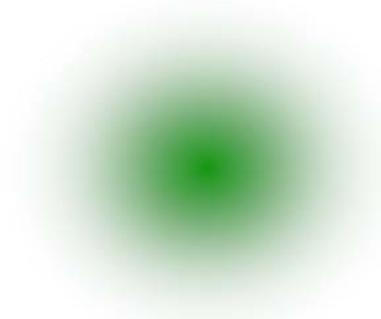
Diffuse Cloud



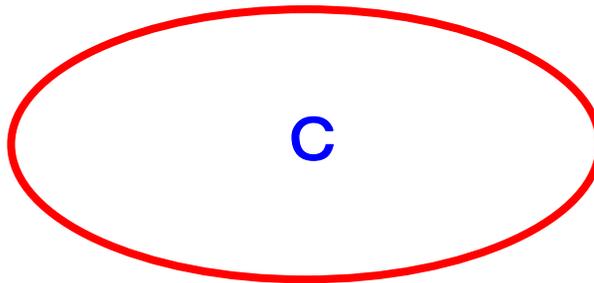
C^+



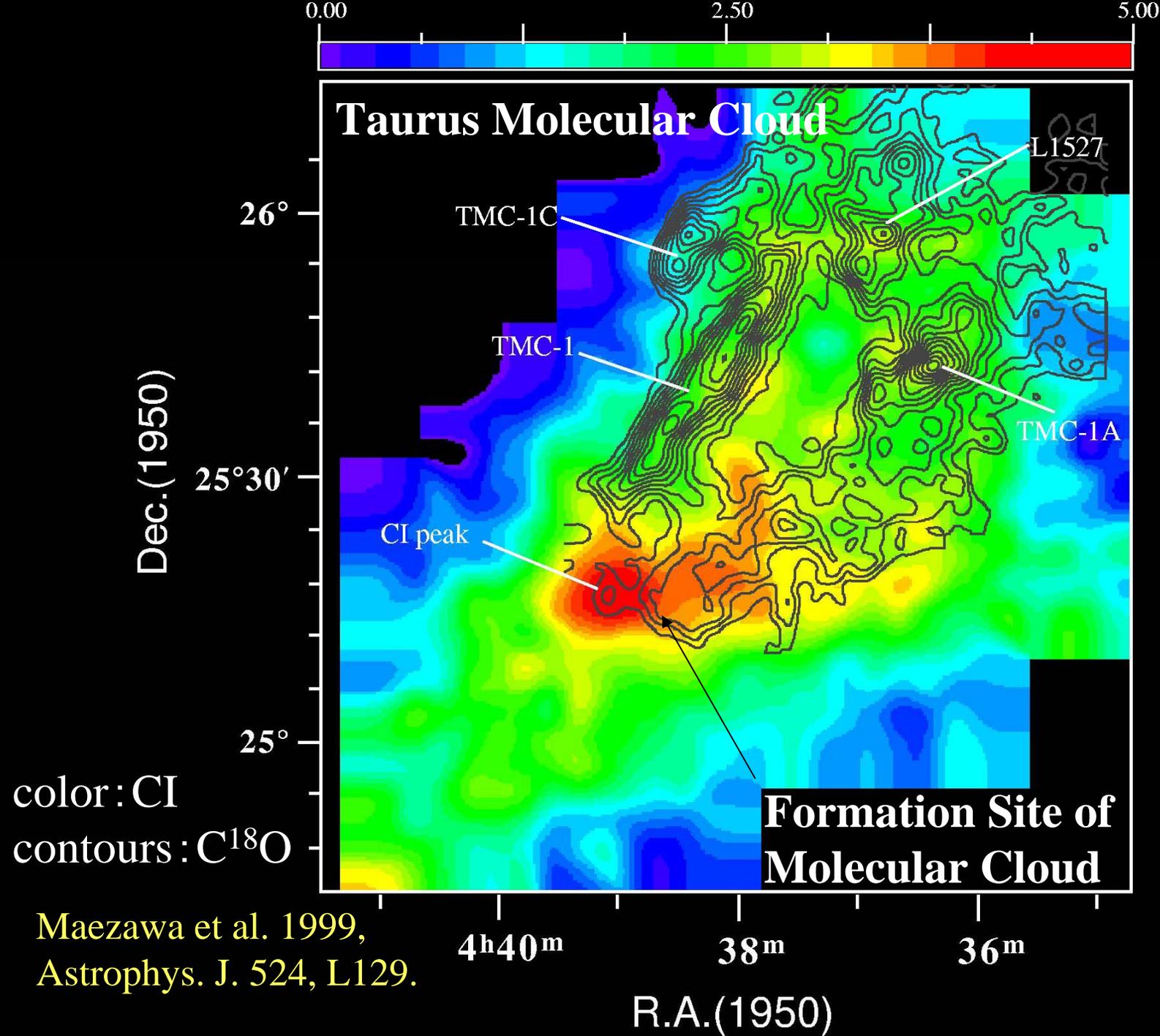
Molecular Cloud

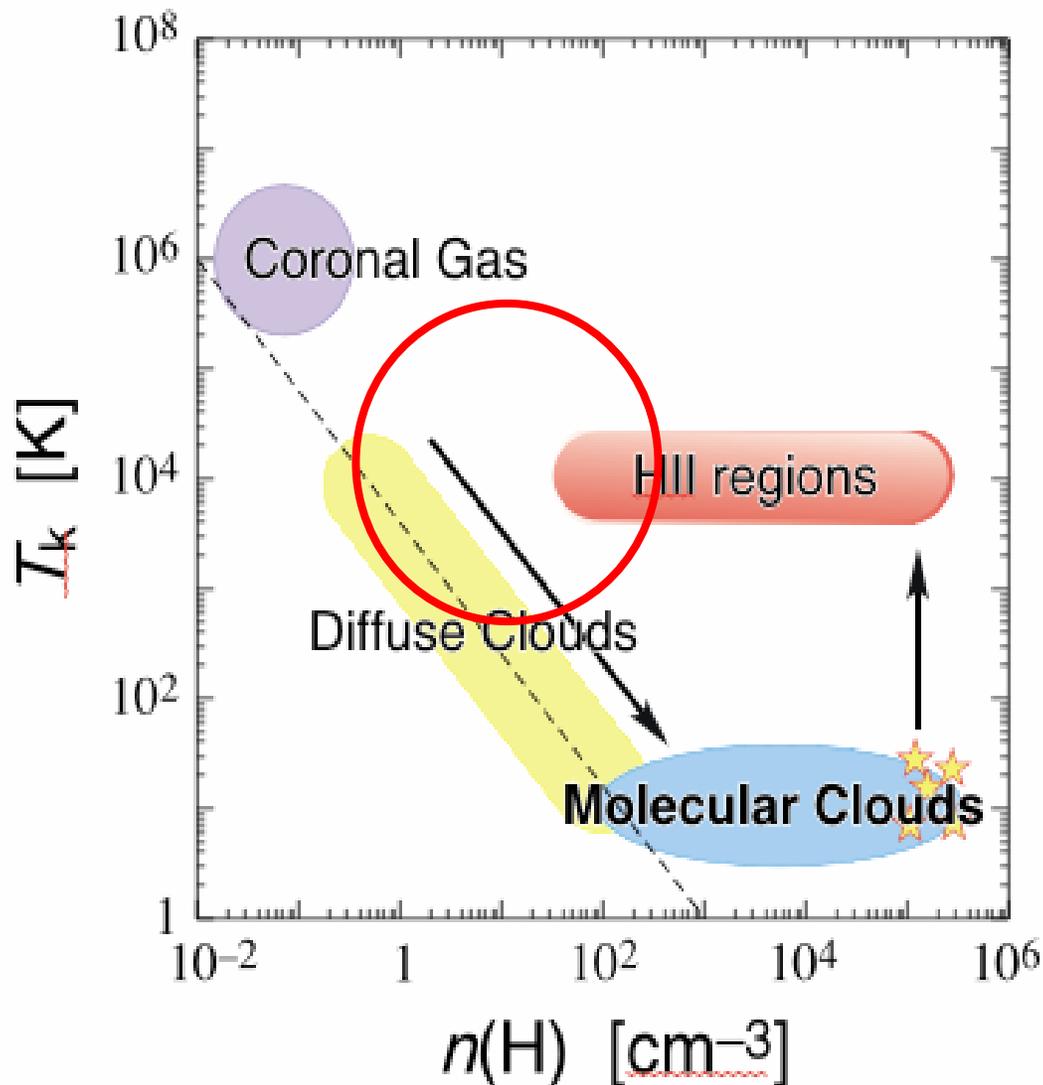


CO



C





**Fine Structure Line
of N^+**

$^3\text{P}_1 - ^3\text{P}_0$ 1.46 THz

**Distribution and
Kinematics of
Plasma Clouds**

N II Distribution in the Galaxy Observed by COBE

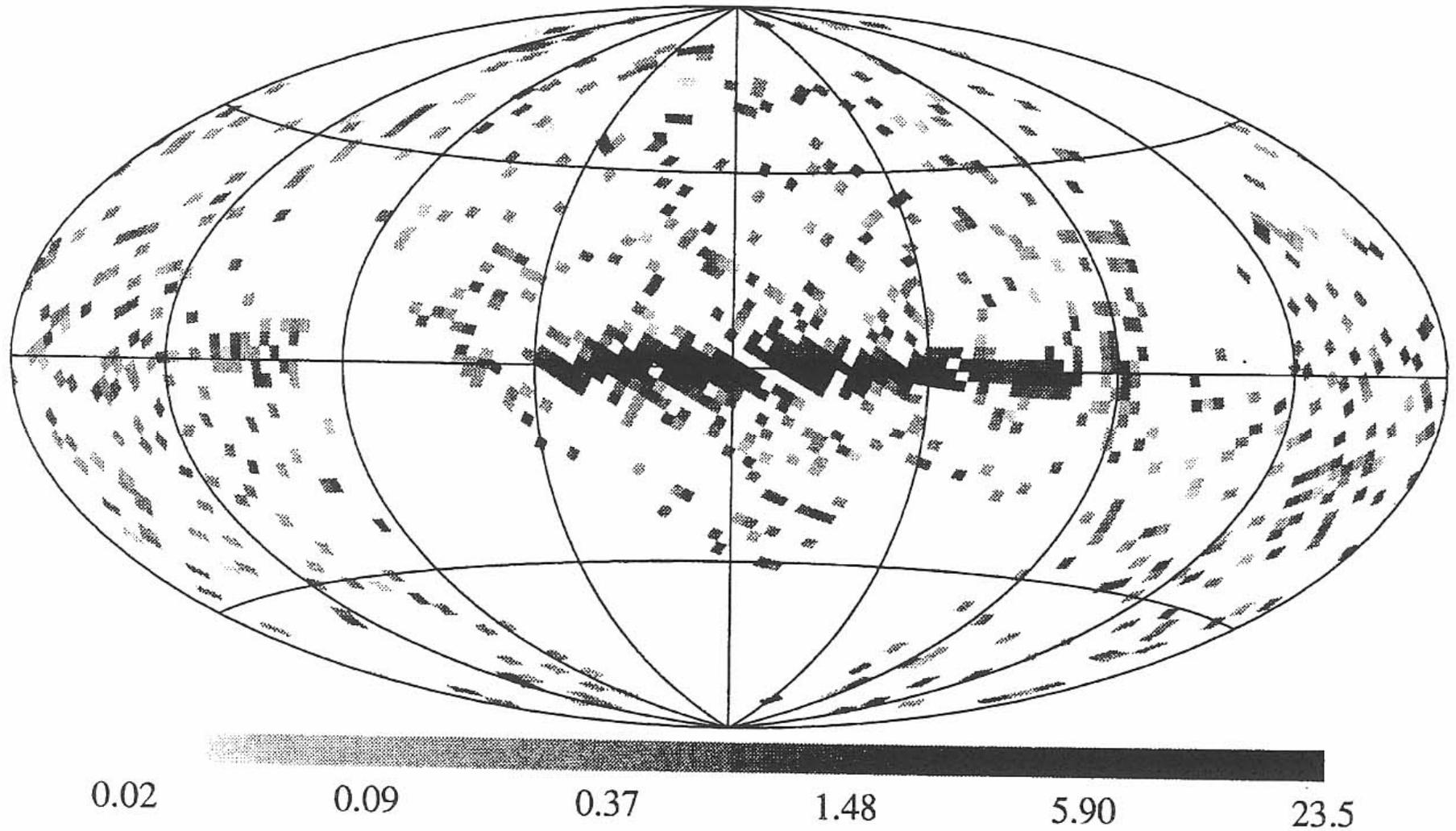
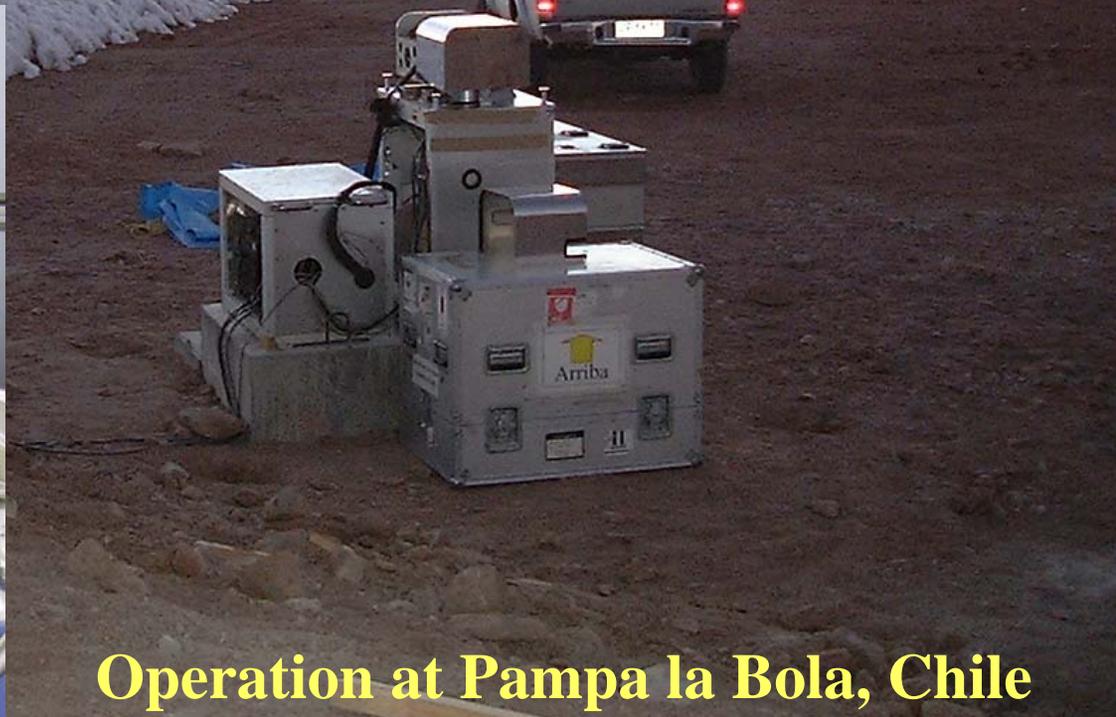
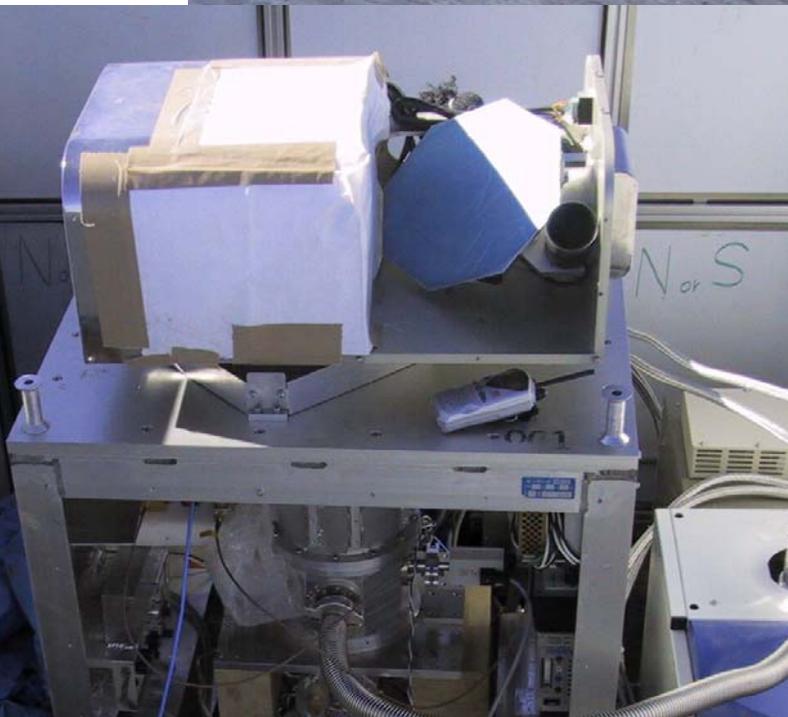


FIG. 6.—Gray-scale representation of [N II] line flux at 205.3 μm . Units on the scale bar are 10^{-6} ergs cm^{-2} s^{-1} sr^{-1}

Transportable 18 cm Submillimeter-wave Telescope Large Scale Distribution of NII



Operation at Pampa la Bola, Chile