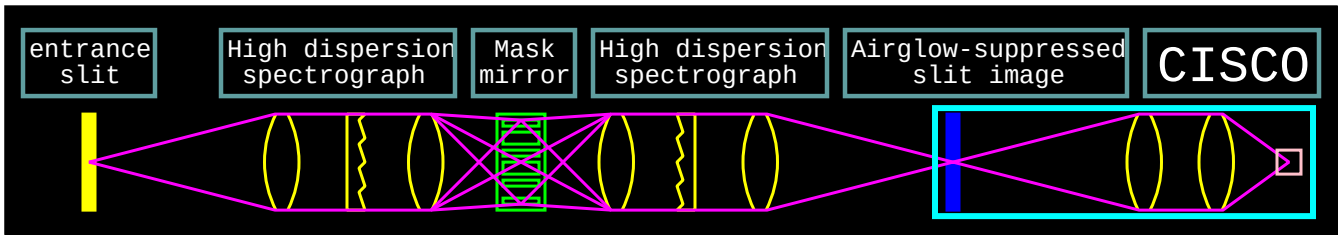
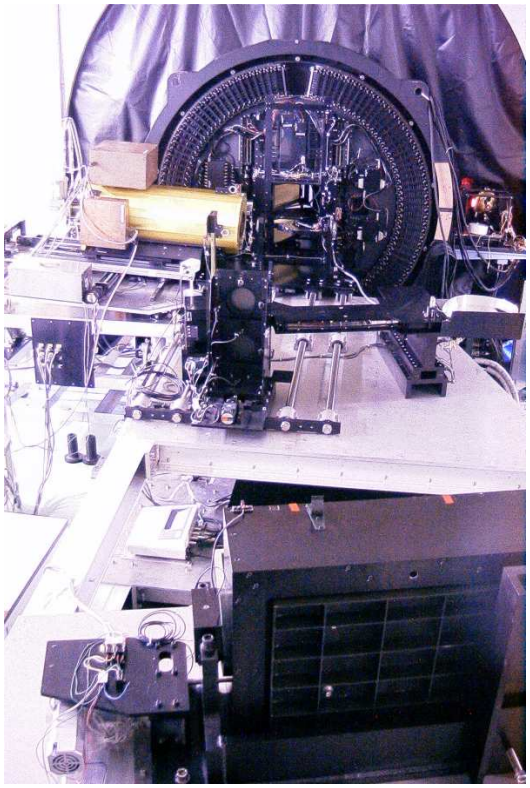
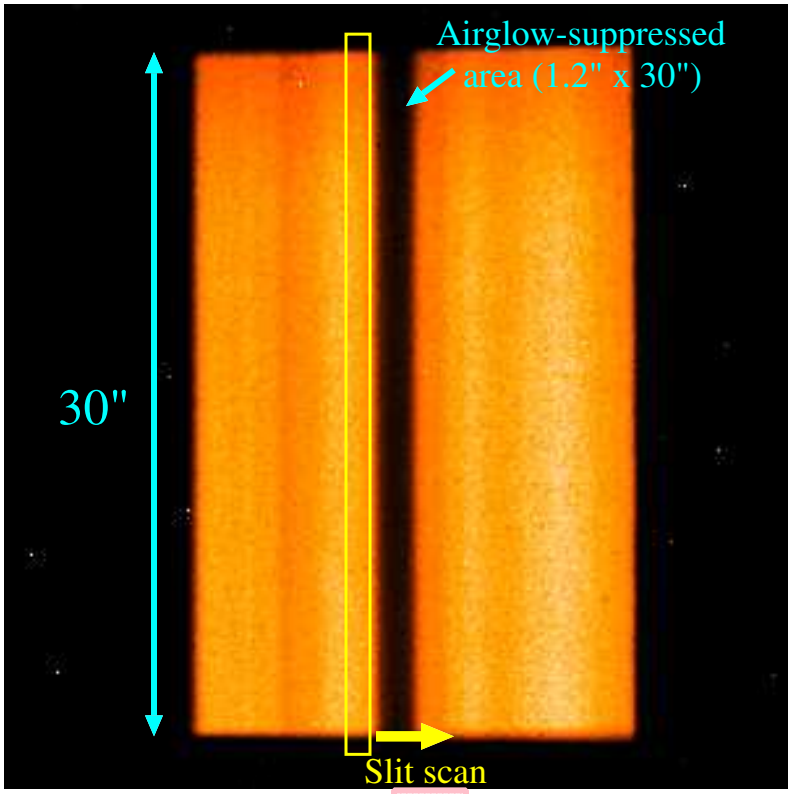
OHS (OH Airglow Suppressor)

OHS is a pre-optics system capable of eliminating more than 150 lines of the brightest OH airglow emission lines between 1 and 2um, which is installed on the Nasmyth platform. Spectroscopic observations under the reduced background condition by a factor of 30 will be made with a separate back-end spectrograph/camera called CISCO, which is also used at the IR Nasmyth focus.

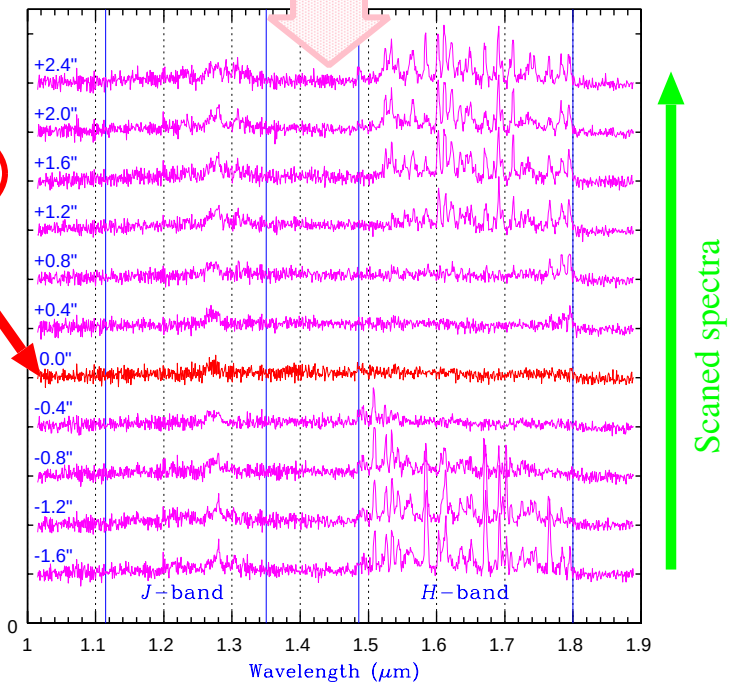






OHS

Almost all the airglow-lines are rejected at the center of the airglow-suppressed area



System efficiency	11%
Suppression factor	28
Wavelength range	1.1-1.8 m μ
Slit width	0.5"/1.0"
Spectral resolution	400/200
Limiting magnitude (1h,S/N=10)	H=21.5