

HiTIES

High Throughput Imaging Echelle Spectrograph

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Proton Aurora

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HiTIES

PAC

Location

Tromsø, Norway

Winter Campaign
2001-2002

Testing at BU

Setup in Tromsø

PAC Data

HiTIES Data

Winter Campaign
2002-2003

Setup in Tromsø

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Proton Aurora Context instrument

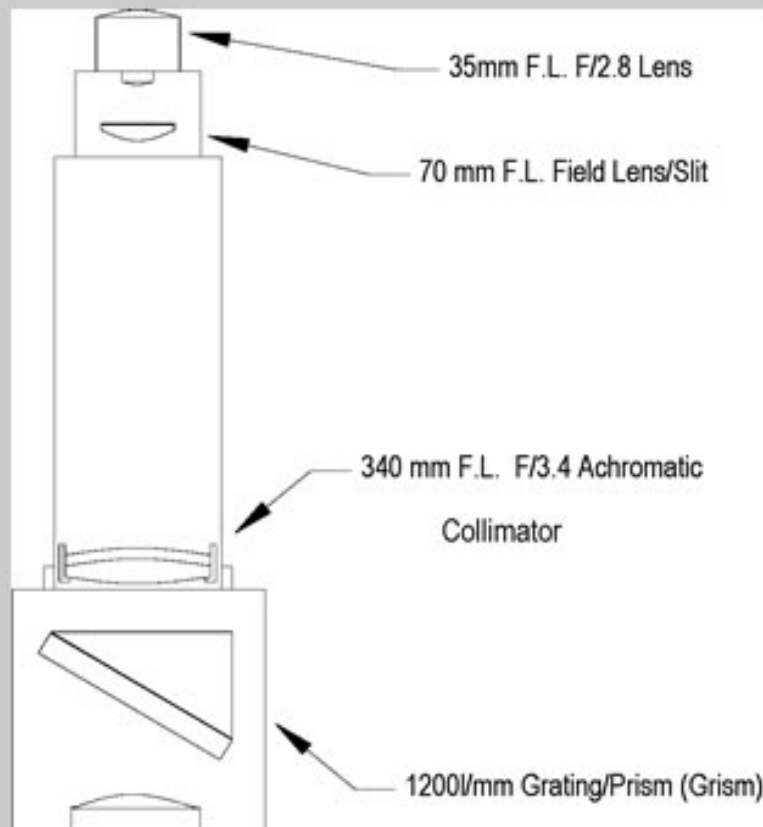
Grism: Prisma + grating
Field of view: 60°
Spectral Coverage: 400 - 800 nm
Spectral Resolution: 1 nm

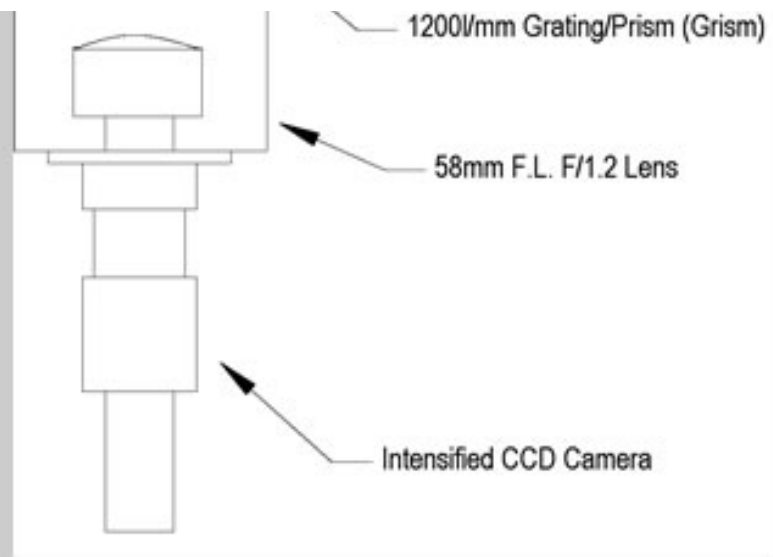
The PAC instrument is optically similar to the COTIF spectrograph described in:

- Baumgardner, J., B. Flynn, and M. Mendillo,
Monochromatic imaging instrumentation for applications in aeronomy of the Earth and planets, Opt. Eng., 32 (12), 1993.

and illustrated in:

- Semeter, J., M. Mendillo, and J. Baumgardner,
Multispectral tomographic imaging of the midlatitude aurora,
J. Geophys. Res., 104 (A11), 24,565-24,585, 1999.





PAC schematic