

21st August 2017 Eclipse

17:28:14 – 17:30:25 UT = 2 min 11 sec

◉ **Double-line Multi-channel Subtractive Double Pass (MSDP) spectrograph**

- 5303Å (Fe 13⁺) and 6374Å (Fe 9⁺)
- 5.5 × 14 arcmin² field-of-view
- 2.2 arcsec per pixel
- 24 channels per line
- 0.5 – 1.0 km/s Doppler resolution
- 25 – 30% transmittance
- ~10 FPS → ~1300 spectral images

◉ **Dual-etalon H α imager**

- Matched etalons → ~0.3Å FWHM
- 63 × 48 arcmin² field-of-view
- 0.8 arcsec per pixel
- ~30 FPS → 3900 narrowband images

