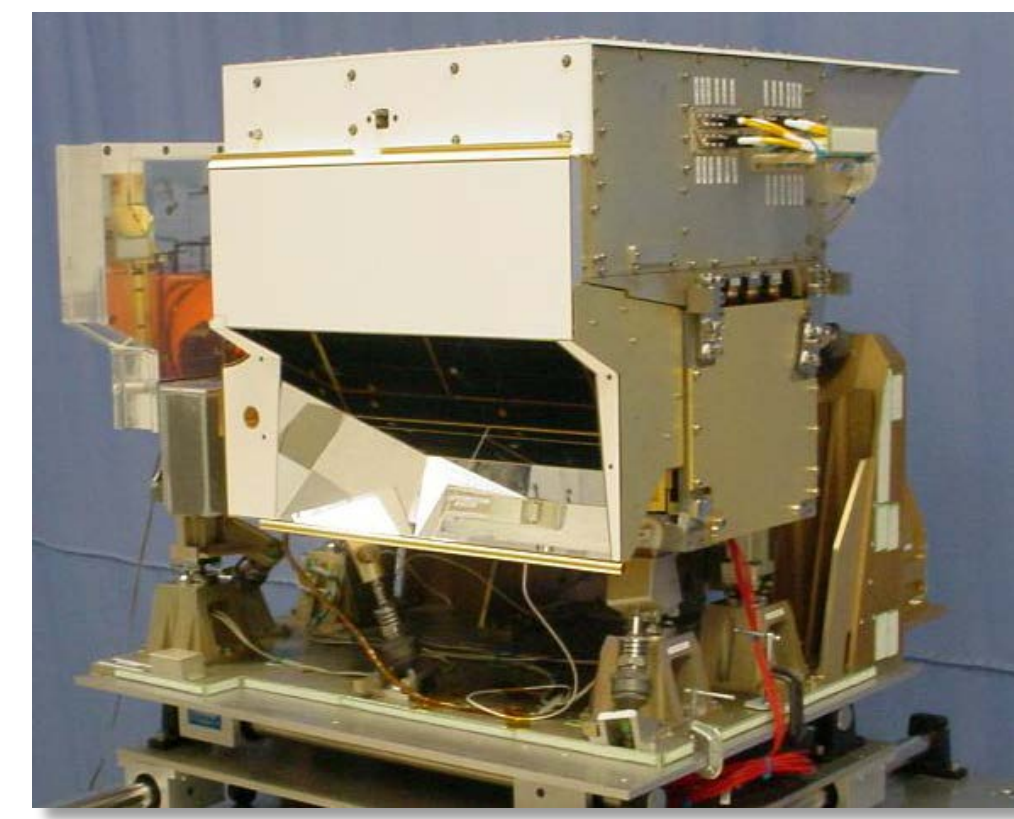


THE JPSS-1 CRIS INSTRUMENT: SUCCESSFUL FIRST-YEAR ON-ORBIT



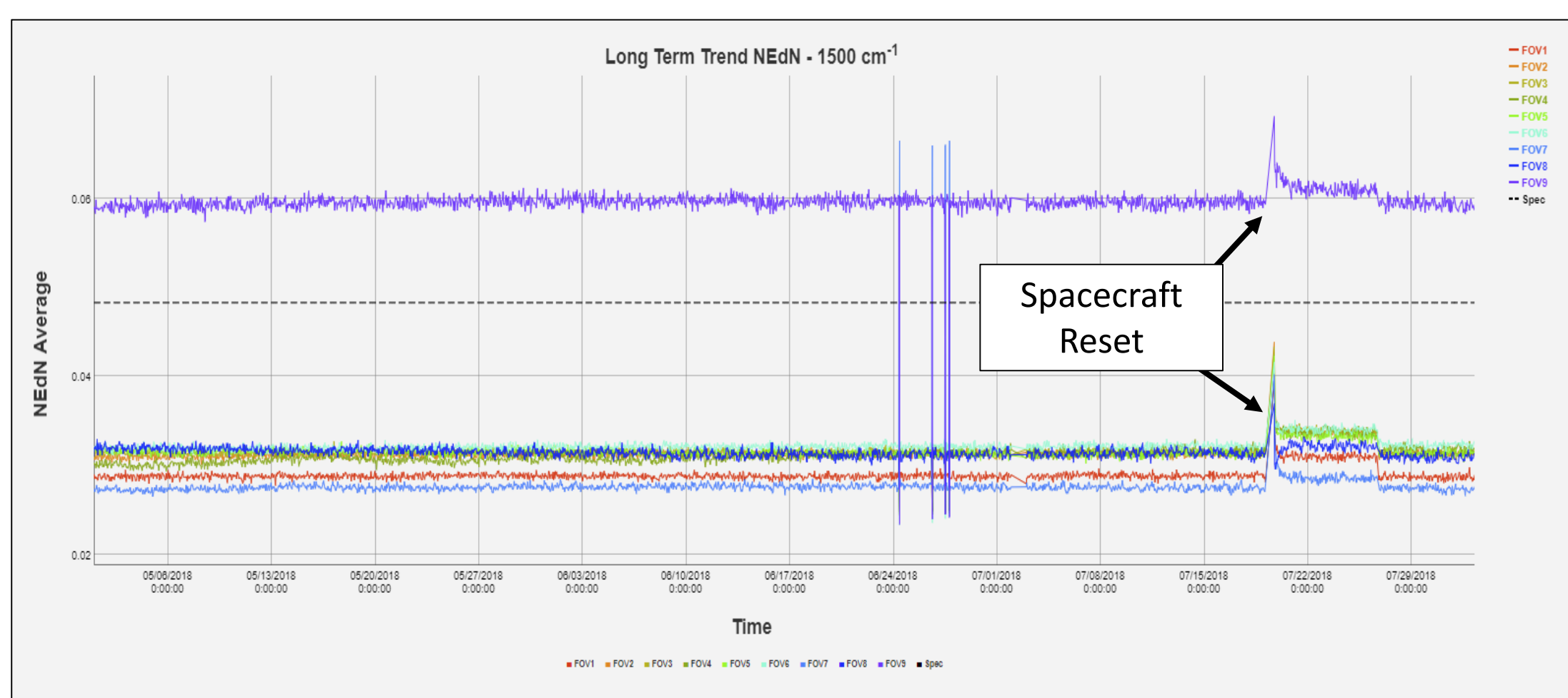
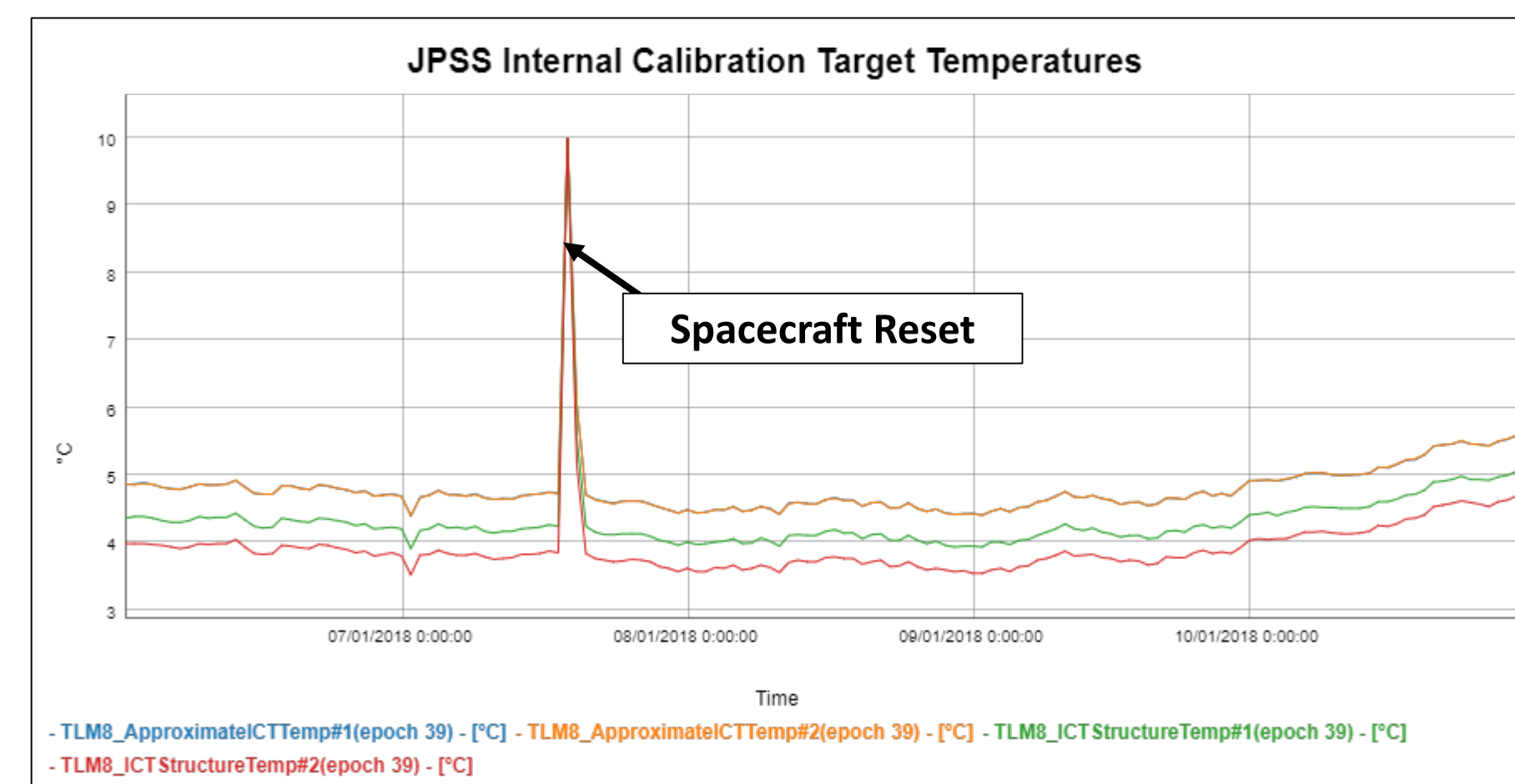
RONALD GLUMB, LAWRENCE SUWINSKI, STEVEN WELLS, REBECCA MALLOY, ANNA GLUMB, STEPHANIE BOEHRINGER
HARRIS CORPORATION, FORT WAYNE IN, USA



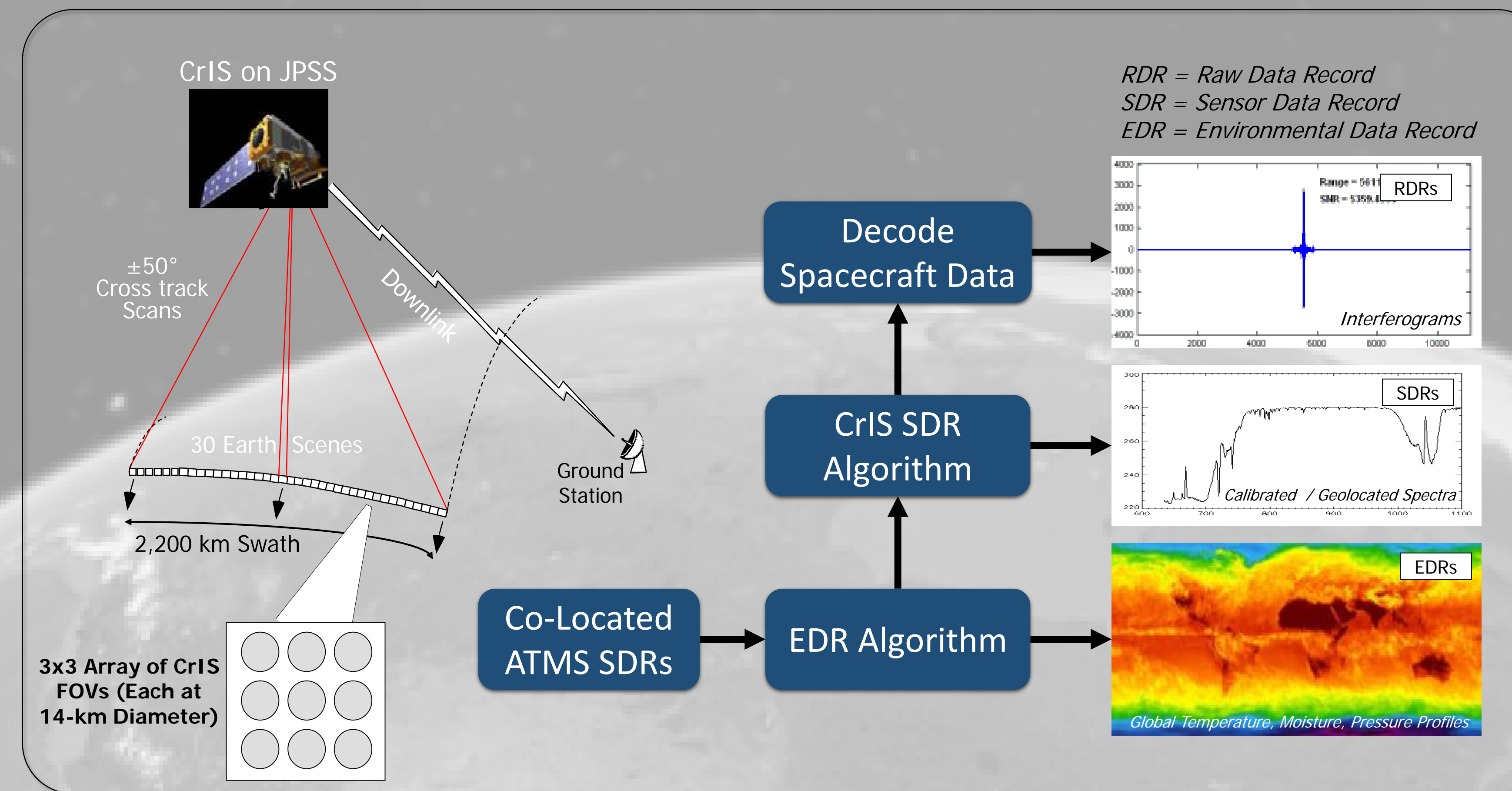
JPSS-1 CrIS

- Flawless First Year of Operation on JPSS-1
- Meanwhile, CrIS on Soumi-NPP Has Just Exceeded its 7-Year Design Life
- Continues to operate perfectly

Trended On-Orbit Data for JPSS-1 CrIS Shows Excellent Stability

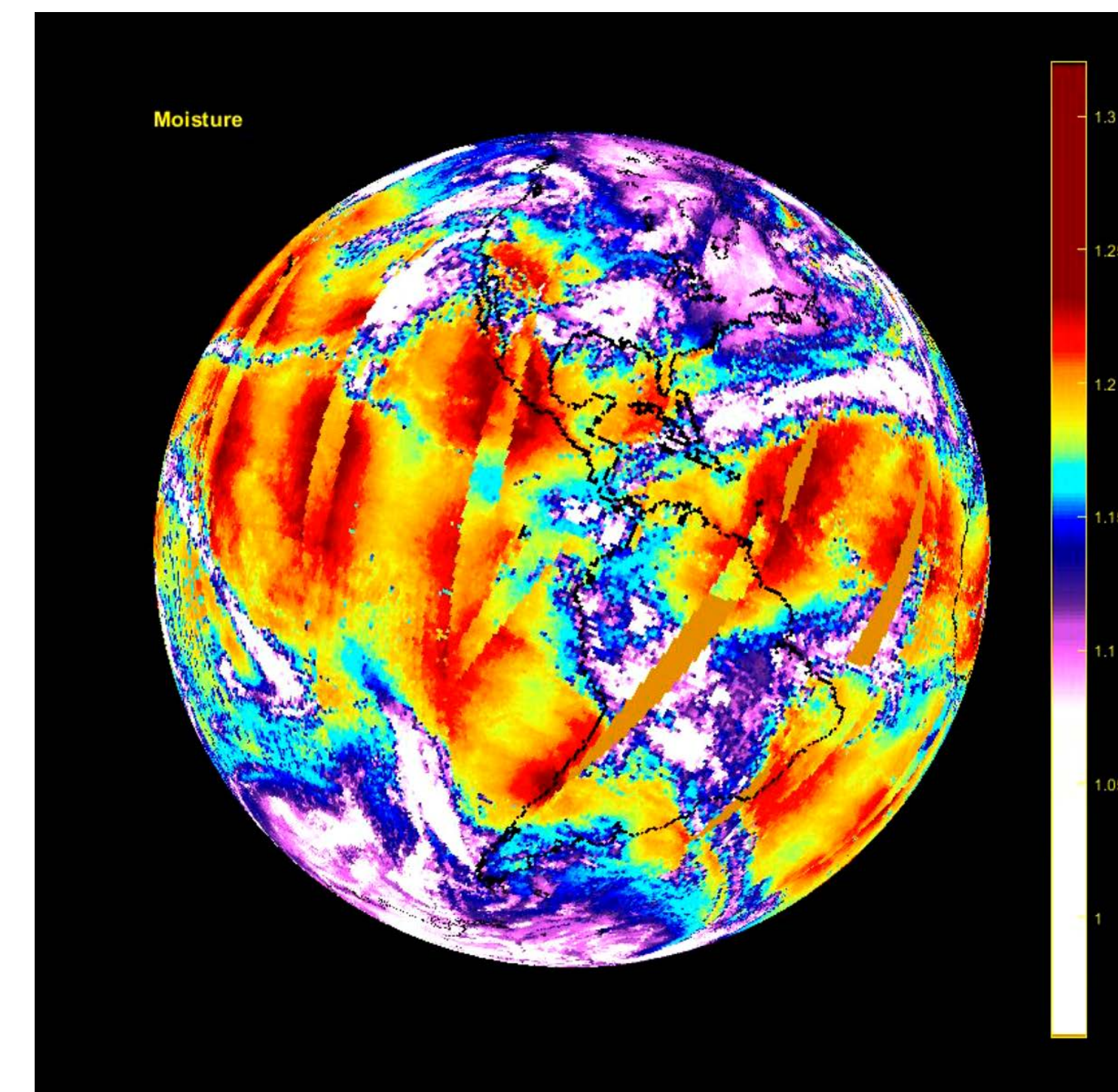


Very Stable NEΔN Performance

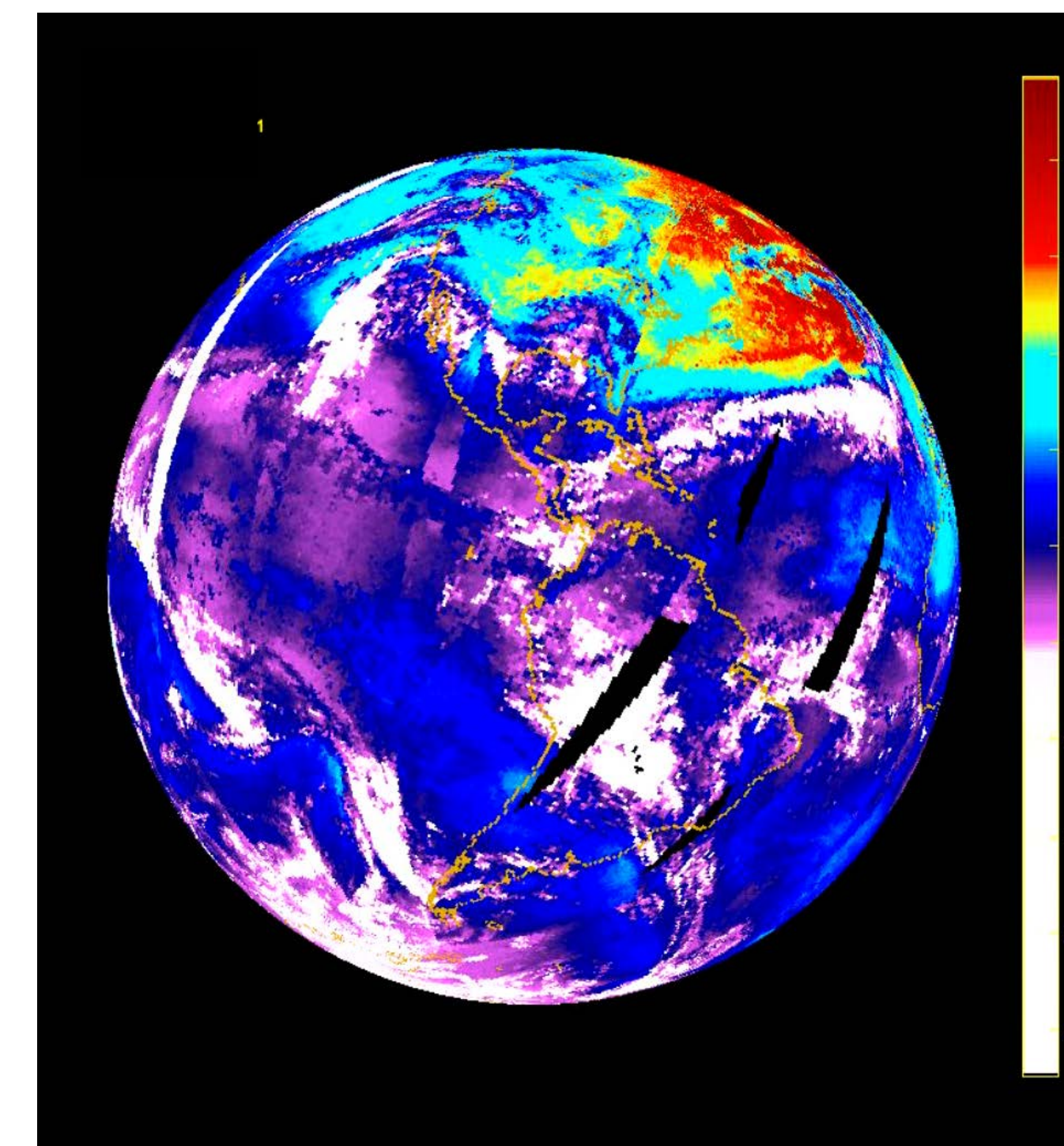


JPSS CrIS Key Parameters

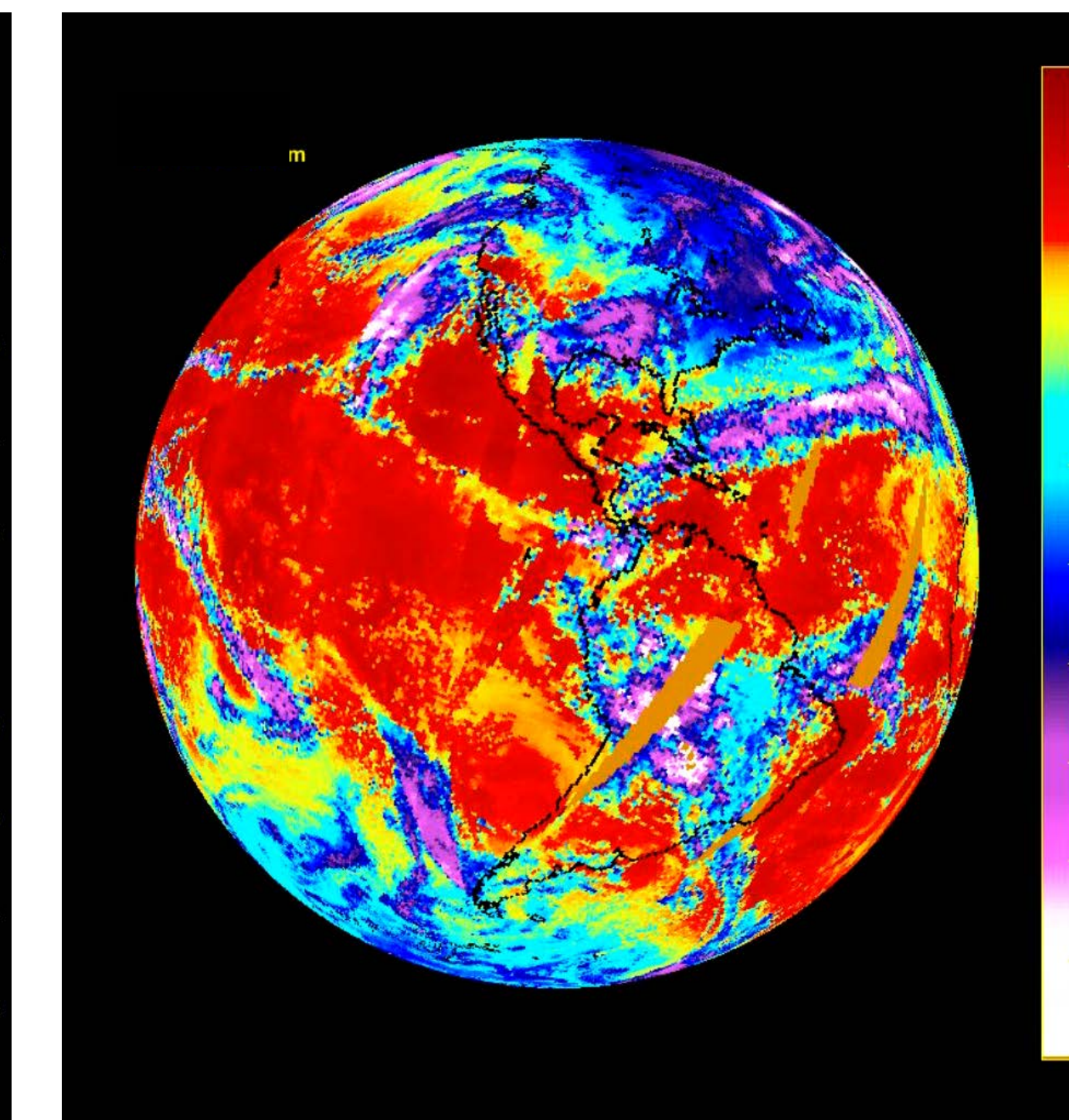
Parameter	JPSS CrIS
Spectral Bands:	Wavelength Range:
SWIR	2155-2550 cm ⁻¹ / 4.64-3.92 μm
MWIR	1210-1750 cm ⁻¹ / 8.26-5.71 μm
LWIR	650-1095 cm ⁻¹ / 15.38-9.14 μm
Spectral Bands:	Number of Channels:
SWIR	633
MWIR	865
LWIR	713
Sampling Rate	0.625 cm ⁻¹ (All Bands)
Mass	146 kg
Power	105 W
Volume	~0.4 m ³



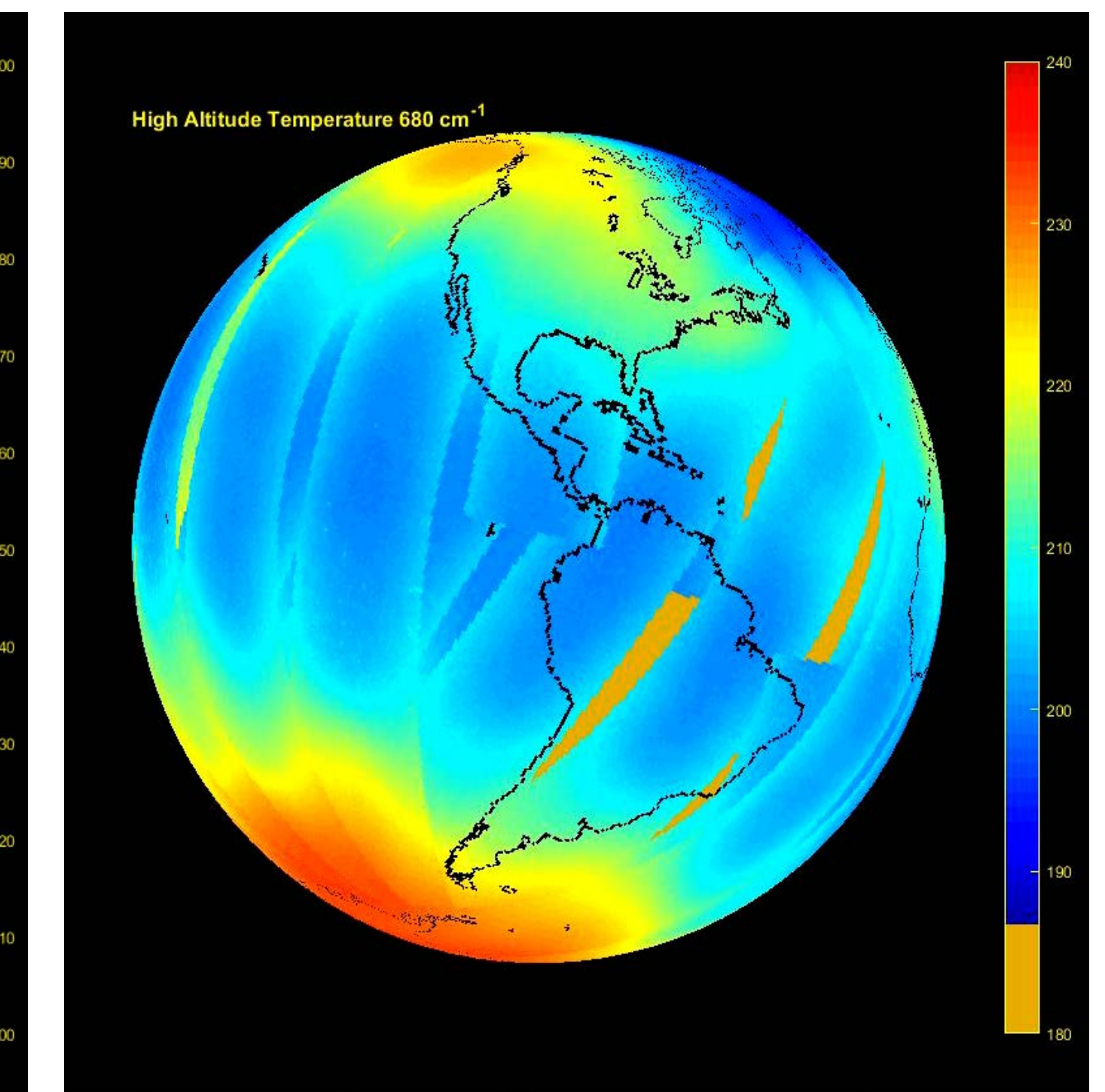
Moisture Data



Ozone Data



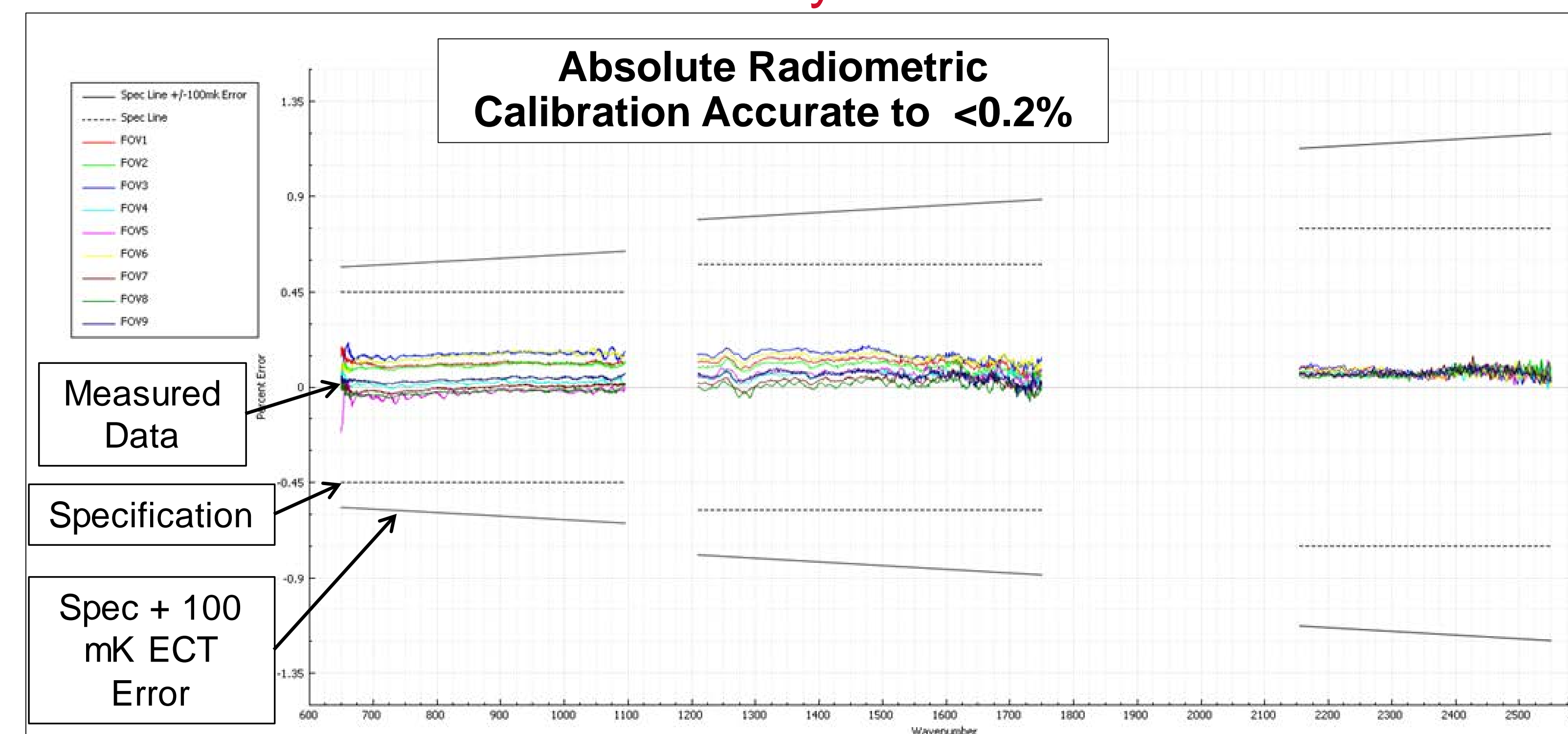
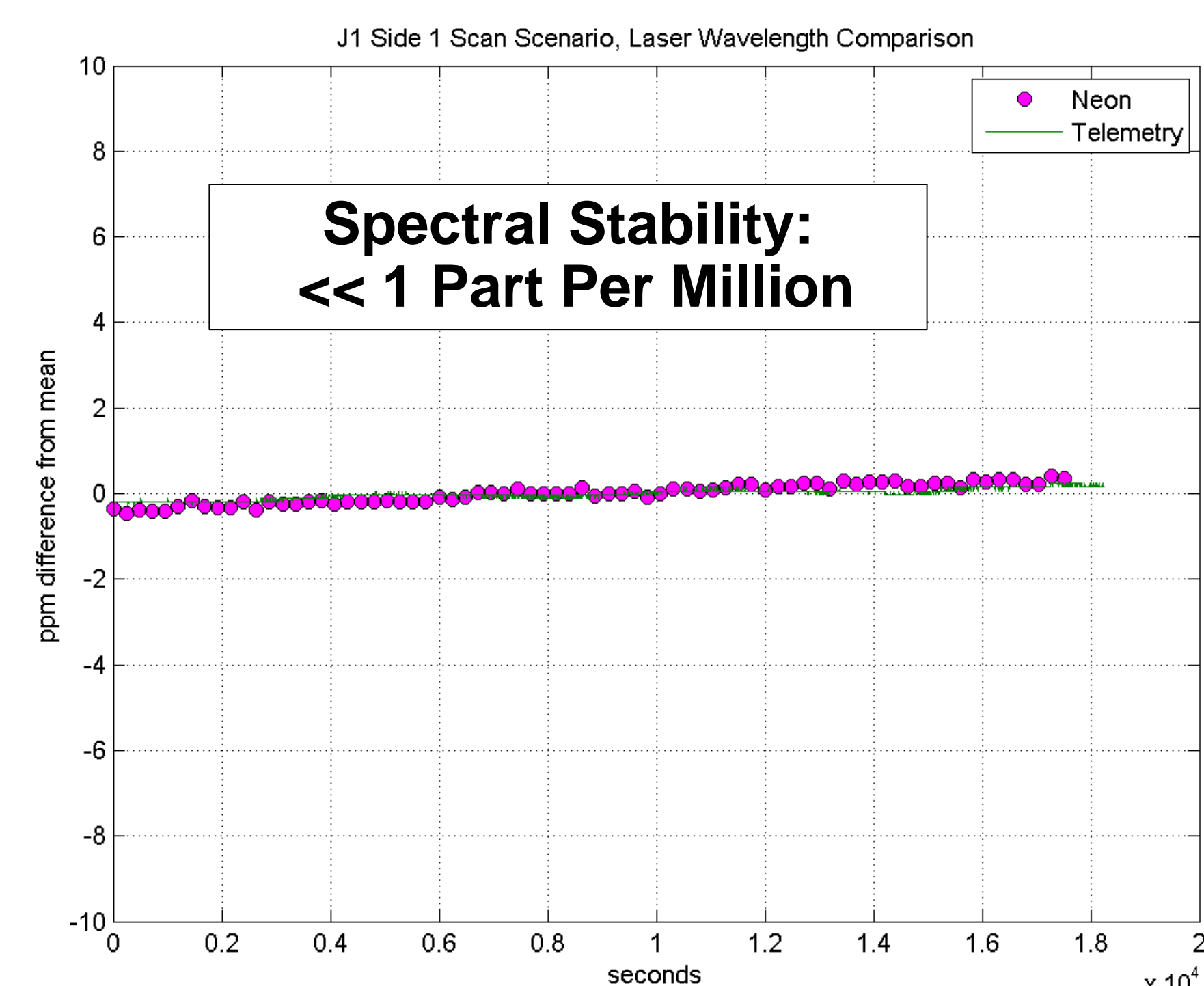
Temperature Data



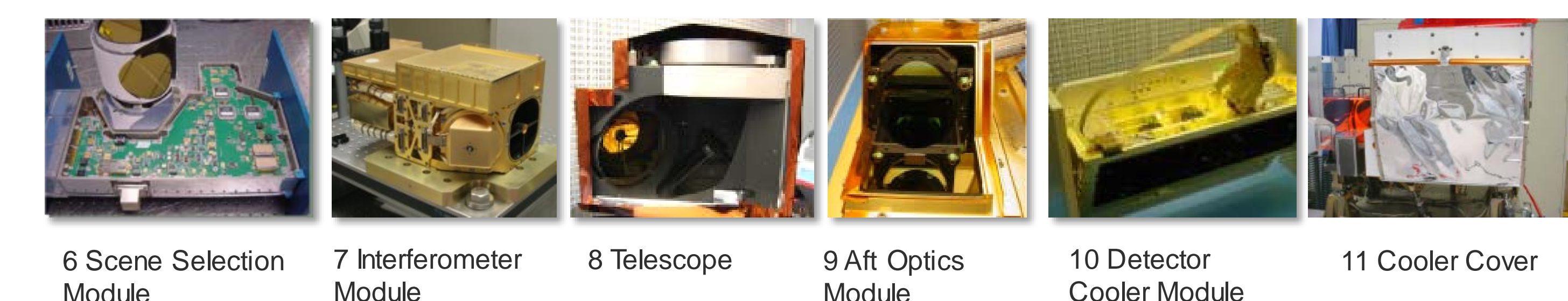
High Altitude Temperature

Global On-Orbit Sounding Data from J1 CrIS

Superb Spectral and Radiometric Calibration Accuracy



JPSS CrIS Instrument Status



Instrument	Status
JPSS-2	Ready for Vibration Tests
JPSS-3	Preparing for Instrument-Level Integration
JPSS-4	Module-Level Testing Underway

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This information is approved for release without export restrictions in accordance with a review of the International Traffic in Arms Regulations (ITAR), 22CFR 120-130, and the Export Administration Regulations (EAR) 15 CFR 730-774