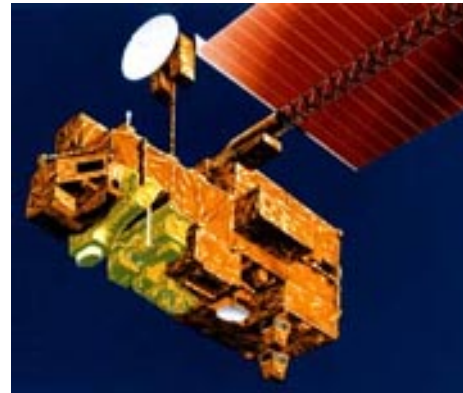


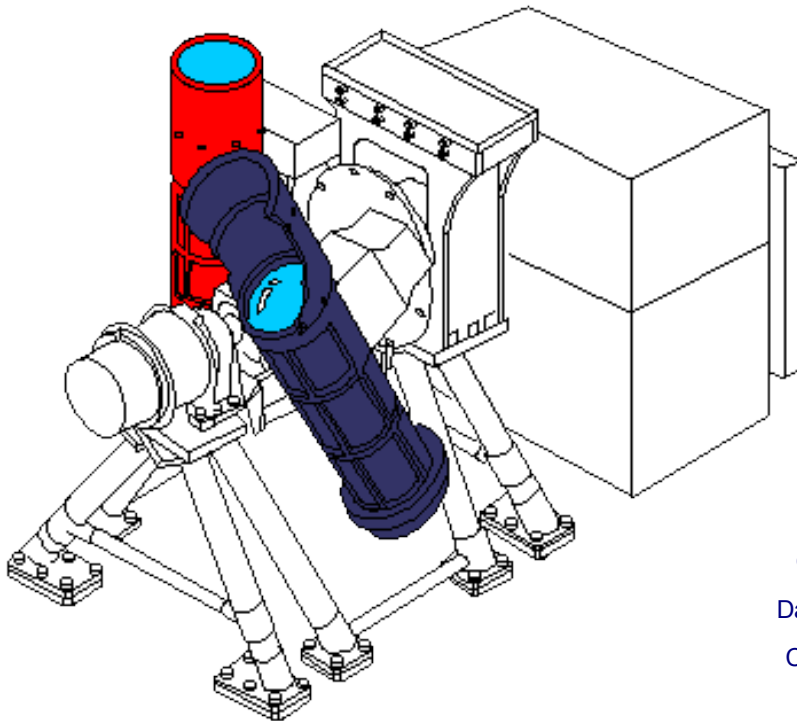


# Agenda

- Image of the day
- Grades (posted)
- ASTER
- Lab 6
  - Scale
  - SOLPOS 2.0
  - Focal Length



# Advanced Spaceborne Thermal Emission and Reflection Radiometer



Characteristic	VNIR	SWIR	TIR
Spectral Range	Band 1: 0.52 - 0.60 $\mu\text{m}$ Nadir looking  Band 2: 0.63 - 0.69 $\mu\text{m}$ Nadir looking  Band 3: 0.76 - 0.86 $\mu\text{m}$ Nadir looking  Band 3: 0.76 - 0.86 $\mu\text{m}$ Backward looking	Band 4: 1.600 - 1.700 $\mu\text{m}$  Band 5: 2.145 - 2.185 $\mu\text{m}$  Band 6: 2.185 - 2.225 $\mu\text{m}$  Band 7: 2.235 - 2.285 $\mu\text{m}$  Band 8: 2.295 - 2.365 $\mu\text{m}$  Band 9: 2.360 - 2.430 $\mu\text{m}$	Band 10: 8.125 - 8.475 $\mu\text{m}$  Band 11: 8.475 - 8.825 $\mu\text{m}$  Band 12: 8.925 - 9.275 $\mu\text{m}$  Band 13: 10.25 - 10.95 $\mu\text{m}$  Band 14: 10.95 - 11.65 $\mu\text{m}$
Ground Resolution	15 m	30m	90m
Data Rate (Mbits/sec)	62	23	4.2
Cross-track Pointing (deg.)	$\pm 24$	$\pm 8.55$	$\pm 8.55$
Cross-track Pointing (km)	$\pm 318$	$\pm 116$	$\pm 116$
Swath Width (km)	60	60	60
Detector Type	Si	PtSi-Si	HgCdTe
Quantization (bits)	8	8	12

# ASTER

- Flies on TERRA
- 14 Bands
- Three instruments
- Stereovision

