

- 1. HMI Investigation**
- 2. HMI Science Objectives**
Duration of mission,
Completeness of coverage
- 3. HMI Science Data Products**
Roll accuracy
Time accuracy (months)
- 4. HMI Observations**
Duration of sequence,
Cadence
Completeness (95% of data
sequence),
Noise,
Resolution,
Time accuracy (days)
- 5. HMI Observables**
Sensitivity,
Linearity,
Acceptable measurement noise,
Image stability,
Time rate (minutes)
Completeness (99.9% of
observable data in 90s),
Orbit knowledge
- 6. HMI Instrument Data**
Accuracy,
Noise levels,
Completeness (99.99% of data in
filtergram),
Tuning & shutter repeatability,
Wavelength knowledge,
Image registration,
Image orientation jitter
- 7. HMI Instrument Concept**
Mass,
Power,
Telemetry,
Envelope
- 8. Sub-system requirements**
CCD: Thermal environment,
ISS: pointing drift rate, jitter
Legs: pointing drift range
- 9. HMI to SDO Interface
Requirements**
- 10. Ground System**
- 11. Processing System**
- 12. Data Distribution**