
NASTER Trade Studies

July 11, 2003

NASTER-I Workshop

LaRC Reid Conference Center

NASTER-I Trade Studies

- 1. Pointing**
 1. Control (real-time)
 2. Knowledge (post processing)
 3. Inertial Reference Unit (IRU)
- 2. Mirror design: Corner cube vs. flat**
- 3. Detector form and type**
 1. 2-D array vs. linear array
 2. PC vs. PV (including array availability)
- 4. Number of spectral bands**
- 5. Spatial sampling and resolution**
- 6. Road Map**
 1. Use of COTS
 2. Spare strategy
 3. Evolution and obsolescence
- 7. Retrofit vs. New Hardware**
 1. Plan
 2. Costs

NASTER-I Trade Studies

8. Mission Plan

- 1. Operation including staff or sub-contract**
- 2. Maintenance**
- 3. Spares**

9. NAST-I Upgrade Plan

- 1. 2004-2007**
- 2. Mission Plans for NAST-I**

10. Zenith View and 3rd Blackbody

11. Spectral resolution and coverage

12. Communication options and cost

13. Boresighting plan with other instruments

- 1. Fabry-Perot interferometer**

14. Platform Definition Study

- 1. Weight, power, volume, communication, environment**

15. Data storage and archive system