MODIS Atmosphere QA Plan

- **Version 1.0 submitted to ESDIS Project Office March 20, 1997**
- **Next iteration (to include Level 3 QA) anticipated end of July 1997**
- **Data volume impact**

- MOD04	**Aerosol Product**	**+2%**
- MOD05	**Water Vapor**	**+41%**
- MOD06	**Cloud Product**	**+36%**
- MOD07	**Atmospheric Profiles**	**+5%**
- MOD35	**Cloud Mask**	**+265%**

Level 3 Design and Development Plans

- **Discussed methodology guiding Level 3 design and development**
  - **Global 1 degree x 1degree**
  - **Daily and Monthly Product**
  - **Equal area and equal angle**
- **Have made great progress in this area since the last Science Team meeting, thanks largely to Xu Liang and Robert Pincus**
- **Expected to meet Code delivery schedule of July 1997**
- **File Chracteristics**
  - **46 parameters**
  - **21 attributes (mean, standard deviation, PDF, etc.)**
  - **500 to 900 SDS**
  - **~1Gbyte/file (Daily or Monthly)**

Near-term Work Plan

- **Overall Schedule and Responsibilities: File Specs, QA Plan, Level 2 and Level 3 Software Development**

- **Ancillary Data (Data Assimilation, Surface Temperature, etc.)**
  - Coordination of ancillary data ingest within Atmosphere Group
  - Action: Get consistency of ancillary data sources (and prioritization) within Atmosphere Group

Prototype MAS Online Visualization Tool

- **Liam Gumley demonstrated prototype of MAS online visualization tool developed at UW**
- **To be available on Web for MODIS use**
- **Very useful for cloud mask development**
- **Visualization of MODIS data, including bowtie effect, also developed at UW by Gumley**

Data Processing Scenarios - Post-launch and Beyond

- **Discussed various scenarios, including a rolling 24 hour backup of MODIS Level 1B data**
- **Simple stable file storage and management to enable automatic FTP scripts**
- **Stable TLCF environment**

Data Storage Volume Requirements

- **Since ECS February 96 baseline, Atmosphere storage volume requirements have grown by roughly 30 percent (31.8 to 41.5 gigabytes)**
- **Increase driven by QA and cloud mask**
- **Atmosphere data still represents a relatively small fraction of overall MODIS data volume**

GLI

- **MODIS Atmosphere Group assisting NASDA GLI Project with data flow and algorithm expertise**