



MODIS Science Team Meeting Atmosphere Group Summary

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MODIS Atmosphere Group Summary

Software Delivery Status

- All PGEs are presently at SDST or the GDAAC
- May take advantage of the additional launch delay time to add an aerosol correction in the September/October time frame
- Storage Volume
 - 37.3 GB/day for Version 2
 - Version 1 (May 97) delivery was 19.2 GB/day, and ECS Baseline of 2/96 was 31.8 GB/day
 - Storage volume represents a very small fraction of total MODIS requirement
- Processing Requirements
 - 1634 MFLOPS/day for Version 2
 - Version 1 (May 97) delivery was 1836 MFLOPS/day (includes 1.6 factor), and ECS Baseline of 2/96 was 654 MFLOPS/day



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Atmosphere Response to AM-1 Adaptive Processing Proposal

- If regular processing is performed by MEBS, then where does the backup capability reside?
- MEBS has always promised Atmosphere a revolving 24-hour archive of L1B data, and that does not appear to have changed under the new plan
- Concern over software version control, especially Cloud Mask
 - Need to ensure that any software changes flow down to everybody running Cloud Mask (including ESDIS Mini-DAAC, DAAC, Miami, MEBS and NOAA)
- Atmosphere expects there to be a TLCF test environment, outside of the production environment
- Should we structure our code so it can run outside of the PGS toolkit?



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Validation

- Analyzing data from recent FIRE Arctic Cloud Experiment
- Soliciting input from Group members in order to revise Atmosphere Validation Plan (last revised June 1997) in light of
 - AM-1 launch delay
 - Need to incorporate NRA Validation Scientist activities
 - Need to extend time line past 2000 to incorporate EOS PM-1 validation needs
 - Add additional strategy for rapid response to aerosol events (e.g., Remer's recent trip to Mexico to make measurements during wildfires)
- Look at fewer deployments in the future