
Integration, Testing and Execution of Atmosphere Algorithms

Rich Hucek
July 14, 2004

MODIS Atmosphere Collection 5 Data Production Schedule

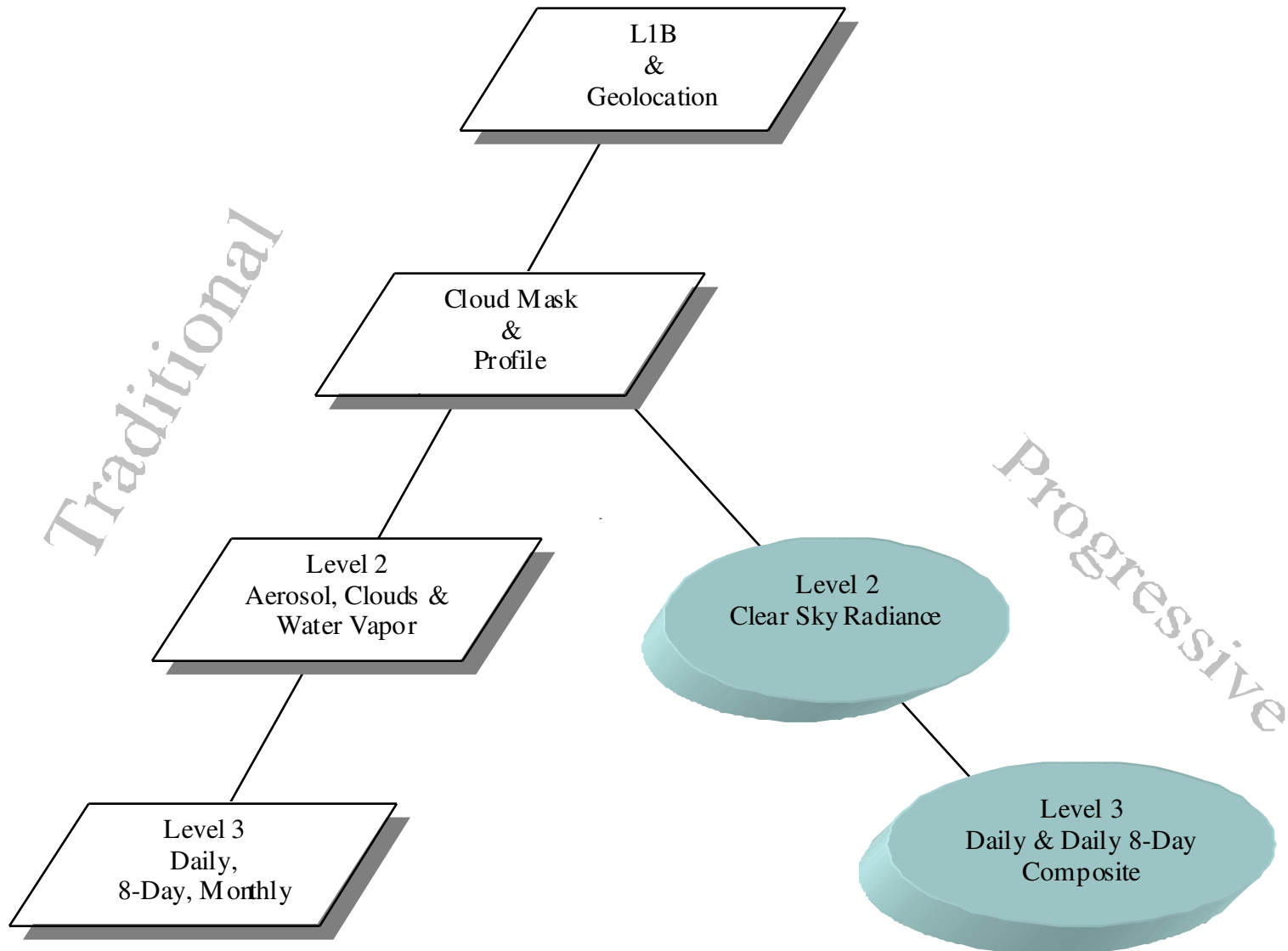
Start Terra Production: 11/26/04

End Terra Production: 05/28/05

Start Aqua Production: 04/04/05

End Aqua Production: 07/05/05

ATMOSPHERE PROCESSING THREADS



Status of Algorithms

Algorithms	Delivery Status (Y/N)	Integration Status
PGE03 <i>Cloud Mask & Profiles w/L1B Destriping</i>	Y	in progress
PGE04 <i>Aerosol & Near IR Water Vapor</i>	Y	complete
PGE06 <i>Cloud Product w/L1B Destriping</i>	N	
PGE83 <i>Level 2 Joint Product</i>	Y	in queue

Status of Algorithms (continued)

Algorithms	Delivery Status (Y/N)	Integration Status
PGE's 85/55/81 <i>Clear Sky Radiance Products Level 2 Granule, Daily & Daily 8-day Composite</i>	Y	complete
PGE's 69/56/70/57 <i>Level 3 Tile, Daily, 8-day & Monthly</i>	N	

Integration and Test Schedule Terra

Task Name	Completion Date
First Code and Test Cycle (atmos only; using Col 4 L1B)	
Code Delivery	June 15, 2004
Integration	July 16, 2004
Test/Develop	Sept 01, 2004
Second Code and Test Cycle (atmos & land; Col 5 L1B)	
Code Delivery	Sept 02, 2004
Integration	Oct 01, 2004
Test/Develop	Nov 08, 2004
Patch Code and Test Cycle (atmos only)	
Code delivery	Nov 09, 2004
Integration and Patch Test	Nov 25, 2004
Final Review	Nov 26, 2004

Integration and Test Schedule Aqua

Task Name	Completion Date
First Code and Test Cycle (atmos only; use Col 4 L1B)	
Code Delivery	Dec 15, 2004
Integration/Test/Develop	Feb 01, 2005
Second Code and Test Cycle (atmos & land; use Col 5 L1B)	
Code Delivery	Feb 02, 2004
Integration/Test/Develop	Apr 08, 2004
Patch Code and Test Cycle (atmos only)	
Code delivery	Apr 09, 2004
Integration and Patch Test	Apr 25, 2004
Final Review	Apr 26, 2004

Atmosphere Collection 5 Science Test Dataset

Terra

- Sixteen complete MODIS days chosen from year 2001 except day 2000337
- All 12 months represented
- Four days representing 2 distinct aerosol outbreaks

Aqua

- Like Terra but 16 days chosen primarily from year 2003
- Two days of smoke events
- Two days of dust