MODIS L3 Products

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SWAMP Meeting
April 3, 1997

Land L2g/L3/L4 Products

- **7 L2g Products**
- **9 L3 Products**
  - New Product: Surface Reflectance (Land Bands)
- **5 L4 Products**
  - New Product: Land Cover Conversion
- **Nested Integerized Sinusoidal Grid - ~1 km (30 arcsec), ~500 m (15 arcsec) and ~250 m (7.5 arcsec)**
- **Polar Grid (Lambert Azimuthal Equal Area - EASI Grid) for Sea Ice Product at 1.25 km**
- **On-demand Goodes Homolosine - 1 km, 500 m and 250 m**
- **On-demand Polar Grid - 1 km, 500 m**
- **Daily, 8 Day, 16 Day, Monthly, 96 Day, Yearly**

Land CMG Products

- **CMG**
  - 5 Products
  - 1 Degree Resolution for All
  - Also, 0.25 And 0.5 Degrees

Oceans L3/L4 and CMG Products

- **Ocean Color (36 Separate Files, 1 Per Product)**
- **Sea Surface Temperature (4 Separate Files)**
- **Ocean Productivity (L4)**
- **Integerized Sinusoidal Projection - 1D Array**
- **Grid Resolution Is 4.6 Km (2.5 Arcmin)**
- **CMG - 1 Degree (Maybe 0.5 Degree Also)**
  - Sea Surface Temperature - All 4 Products
  - Ocean Color - Subset of Approx. 9 Products
- **Daily, 8-day, and monthly; Yearly (L4)**
- **On-demand 1-km product (possibly any parameter)**

Atmosphere L3/CMG Products

- **Joint Product, Includes: Aerosol, Clouds, Water Vapor, Ozone, Stability Indices**
- **At Launch - Daily and Monthly**
- **1 Degree CMG**
- **Post Launch - 8 Day and Equal Area Grid**
- **Equal Angle Grid Options: Integerized Sinusoidal and Hammer-Atioff**

Volumes and Loads Table and Notes:

	Feb. 1996 Baseline		Current Estimate	
Discipiline	**Volume (GB)**	**Load (GFLOP)**	**Volume (GB)**	**Load (GFLOP)**
Land	33 (27 w/o L2g)	2600	570 (86 w/o L2g)	2300
Oceans	11	260	12	260
Atmosphere	0.013	0.20	0.03	8.2
TOTAL	45 (19 w/o Land L2g)	2900	570 (98 w/o Land L2g)	2500

- **New Land Product Estimates Are Soft, Polar Grid for Ice Grid not Included**
- **Oceans Does Not Include CMG Estimates**
- **Atmosphere L3 Are Not Based on Actual V1 Code**