L 5

FY 95 EDC DAAC ACTIVITIES

- Data Acq. & Ingest
  - V-0 IMS Data Set Population
- Mission (EOS-AM 1) Support
- Data + Information Services
  - User Services + Distribution
- Engineering
  - ATM link between GSFC/EDC
  - IMS Maint. + Enhancement
  - ECS Development Support
- Definition of Other DAAC Support
- Issues

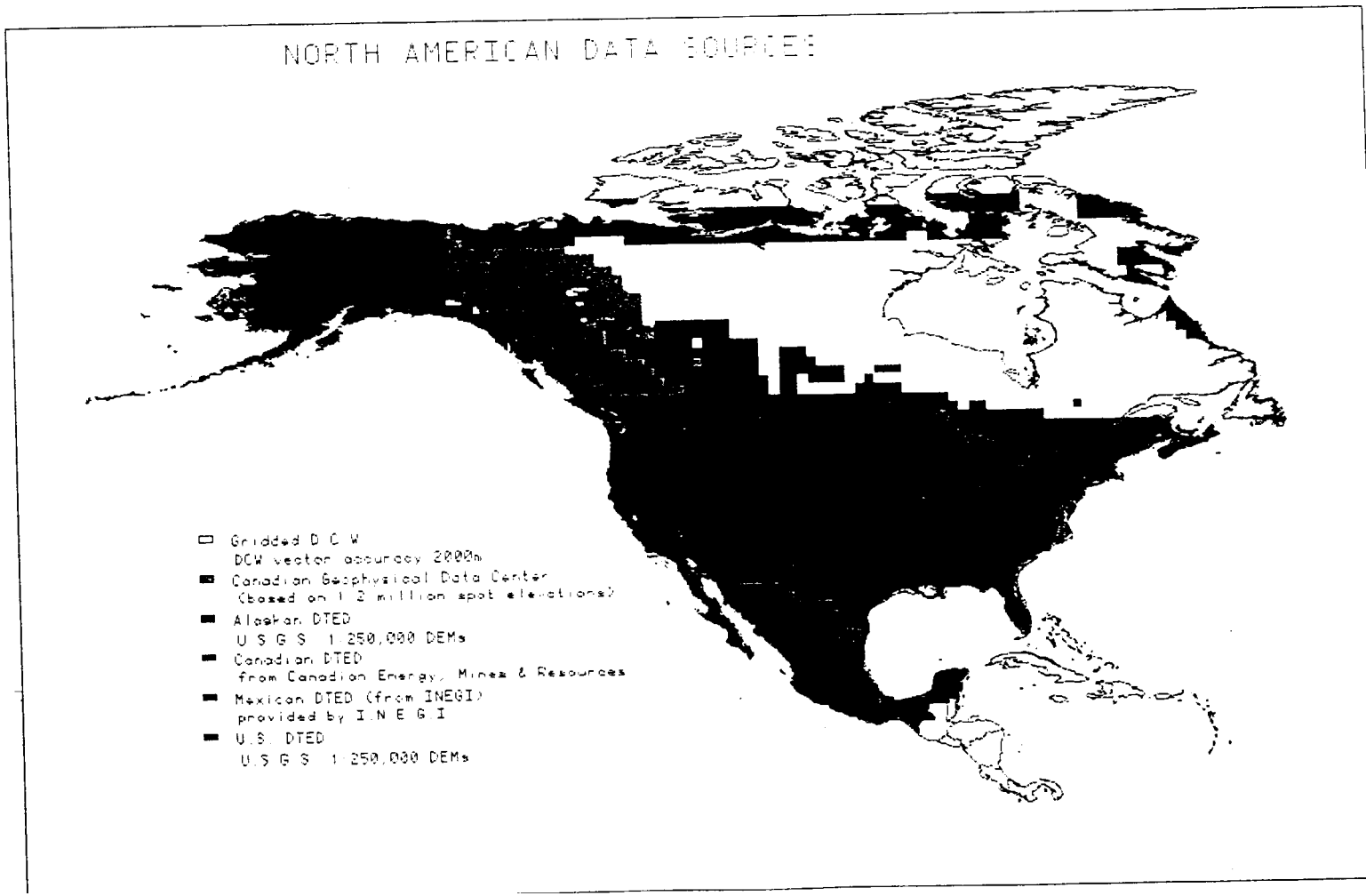
V-0 IMS Data Set Population

- Landsat Pathfinder (HTFP, NALC, GCLDC)
- Global 1 Km AVHRR data/products
- SIR-C
- Topo Data Sets
- Landsat Land Cover Test Site
- ASAS
- AVIRIS
- Continue TIMS

MISSION (EOS AM 1) SUPPORT

- MODIS/ASTER Team Support
- Global 1 Km AVHRR Proc./Dist.
  - 8 10-day NDUI Completed (Apr. '92 - June 20)
  - 46 " " " to be completed (June 20, '92 - Sept. 30, 93)
  - 36 N. Amer. 10-day NDVI Completed (Apr. '92 - Apr. '93)
- Topo Data Sets
  - DCW S. America
  - Acquire other DEM Sources
  - Dev. Proced. for DTED processing
  - DEM gen. cap.
  - Comparing usefulness/accuracy of multiple Sources
- Global Land Cover Test Sites
  - Prototype Andrews Forest LTER
  - 4-6 new data sets
- Landsat Pathfinder

  Issues + Algorithm Intcp/Test Strategy


NORTH AMERICAN DATA SOURCES
Gridded D C W
DCW vector accuracy 2000m
Canadian Geophysical Data Center
(based on 1 2 million spot elevations)
Alaskan DTED
U S G S 1 250,000 DEMs
Canadian DTED
from Canadian Energy, Mines & Resources
Mexican DTED (from INEGI)
provided by I N E G I
U.S. DTED
U S G S 1 250,000 DEMs

Definition of Other DAAC Support

- Support SDST:
  - Geolocation
  - Gridding
  - Provide DEM data
  - Provide LAS/ADAPS Software

- MAS Land Data Archive/Dist.

- Participate in Algorithm Testing
  - Algorithm Verification
  - Product Validation

  (e.g. Cld Mask; MOD 09)

- Provide TM/AVHRR/other data sets for Algorithm Verif./Valid.

- Support ECS Prototyping (1 km AVHRR)
  (Operational staging, processing, data set dev.)

DAAC Issues

- Opportunities to Support Instrument Exceed Available Funding (Prioritize!)
- Continue to work Global DEM strategy
- Identify Land Products / Levels / Interdep
- Definition of a new Land Product: (Minimal Processing / Gridded)

- IOS Derivative Products
- Migration V-0, V-1, ECS
- Resolve ASTER processing

Prod ID	Platform	Data Set Name	Pro Lvl	Data Producer	Data Archive	Vol. GB/d	Comments
MOD09 p1	AM,PM	Surface Leaving Radiance	2	GSFC	EDC	17.7	1/day
MOD09 p2	AM,PM	Bidirectional Reflectance w/o Topo	3^	EDC^	EDC	6.02	1/(9 day)
MOD09 p3	AM,PM	Bidirectional Reflectance with Topo	3^	EDC^	EDC	6.02	1/(9 day)
MOD09 p4	AM,PM	Albedo, Spectral, Land_sfc w/o Topo	2	GSFC	EDC	0.68	1/day
MOD09 p5	AM,PM	Albedo, Spectral, Land_sfc with Topo	2	GSFC	EDC	0.68	1/day
MOD11 p1 a	AM,PM	Land_sfc Temperature	2	GSFC	EDC	2.29*	1/day
MOD11 p1 b	AM,PM	Land_sfc Temperature Weekly composite	3^	EDC^	EDC	0.33*	1/week
MOD11 p2	AM,PM	Land_sfc Emissivity Monthly composite	3^	EDC^	EDC	0.05	1/month
MOD12 p1	AM,PM	Land_Cover Type	3	EDC^	EDC	0.02	1/(3 month)
MOD12 p2	AM,PM	Land_Cover Change	3	EDC^	EDC	0.02	1/(3 month)
MOD13 p1	AM,PM	Vegetation Indices, NDVI	2	GSFC	EDC	4.85	1/day
MOD13 p2	AM,PM	Vegetation Indices, MVI	2	GSFC	EDC	4.85	1/day
MOD14 p1 a	AM,PM	Fire Occurance	2	GSFC	EDC	1.41*	1/day
MOD14 p1 b	AM,PM	Fire Occurance 10 Day Composite	3^	EDC^	EDC	0.14*	1/(10 day)
MOD14 p1 c	AM,PM	Fire Occurance Monthly Composite	3^	EDC^	EDC	0.05*	1/month day/night
MOD14 p2	AM,PM	Emitted Energy from Fire	2	GSFC	EDC	tbs	1/day
MOD14 p3	AM,PM	Smoldering/Flaming Ratio	2	GSFC	EDC	tbs	1/day
MOD14 p4	AM,PM	Fire Size	2	GSFC	EDC	tbs	1/day
MOD14 p5	AM,PM	Fire Temperature	2	GSFC	EDC	tbs	1/day

^=Differs with SPSO 9/8/94; ?=SPSO Value Needs Validation; *=Estimate Assumes Sub-parameters Are Equal in Size

Prod ID	Platform	Data Set Name	Pro Lvl	Data Producer	Data Archive	Vol. GB/d	Comments
MOD15 p1	AM,PM	Leaf Area (LAI)	4	EDC^	EDC	0.15	1/week
MOD15 p2	AM,PM	FPAR	4	EDC^	EDC	0.15	1/week
MOD16 p1	AM,PM	Evapotranspiration	3^	EDC^	EDC	0.15	1/week
MOD16 p2	AM,PM	Surface Resistance	3^	EDC^	EDC	0.15	1/week
MOD17 p1	AM,PM	Vegetation Production, Net Primary (NPP)	4	EDC^	EDC	0.04	1/year
MOD17 p2	AM,PM	Photosynthesis-Respiration	4	EDC^	EDC	0.19	1/week
MOD34 p1 a	AM,PM	Gridded Vegetation Indices, Max NDVI	3	EDC	EDC	1.87*	1/(10 day)
MOD34 p1 b	AM,PM	Gridded Vegetation Indices, Max NDVI	3	EDC	EDC	0.61*	1/month
MOD34 p2 b	AM,PM	Gridded Vegetation Indices, Integrated MVI	3	EDC	EDC	0.70*	1/(10 day)
MOD34 p2 a	AM,PM	Gridded Vegetation Indices, Integrated MVI	3	EDC	EDC	0.23*	1/month
MOD40 p1 a	AM,PM	Fire Occurance	3	EDC	EDC	tbs	1/day, Gridded 10 km, 0.5 dg::Land/R
MOD40 p1 b	AM,PM	Fire Occurance	3	EDC	EDC	tbs	1/(10 day), Gridded 10 km, 0.5
MOD40 p1 c	AM,PM	Fire Occurance	3	EDC	EDC	tbs	1/month day/night, Gridded 10 km, 0.. dg::Land/R
MOD40 p2	AM,PM	Emitted Energy from Fire	3	EDC	EDC	tbs	1/day, Gridded 10, 50 km::Land/R
MOD40 p3	AM,PM	Smoldering/Flaming Ratio	3	EDC	EDC	tbs	1/day, Gridded 10, 50 km::Land/R
MOD40 p4	AM,PM	Fire Size	3	EDC	EDC	tbs	1/day, Gridded 10, 50 km::Land/R
MOD40 p5	AM,PM	Fire Temperature	3	EDC	EDC	tbs	1/day, Gridded 10, 50 km::Land/R
MOD41	AM,PM	Land Surface Resistance	?(3)	?(EDC)	EDC	tbs	1/day
MOD43	AM,PM	Land_sfc BRDF, AM-PM Asymmetry	?(2)	GSFC	EDC	tbs	1/day, Needs both AM and PM

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