

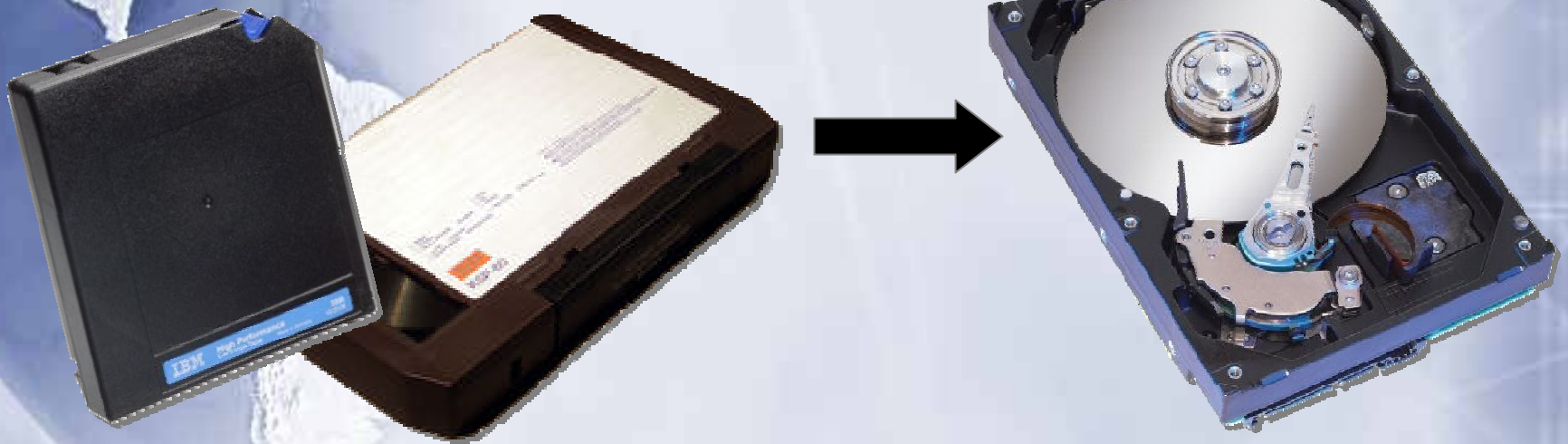


***SSEC Data Center's
Online Satellite Archive
& Inventory***

Dave Parker

Goals

- ✧ Transfer archived data from U-matic and 3590 tapes to hard disk drives



- ✧ Make all geostationary satellite data, starting with GOES-2 in 1978, available via ADDE

Hardware

✧ JBODs

✧ Western Scientific: 210 TB

✧ 11 units: 400 GB drives

✧ 7 units: 500 GB drives

✧ 7 units: 750 GB drives

✧ Dell: 190 TB (GOES)

✧ 17 units: 750 GB drives

✧ Dell: 67 TB (Non-GOES)

✧ 6 units: 750 GB drives

✧ 467 TB available for geostationary satellites



Hardware

- ✧ Funded primarily by sales of products generated by the SSEC Data Center
- ✧ Non-GOES storage funded by NASA-Langley



Availability & Access

1996	1997	1998	1999	2000	2001	2002	2003	2004
JFMAMJJASOND	JFMAMJJASOND	JFMAMJJASOND	JFMAMJJASOND	JFMAMJJASOND	JFMAMJJASOND	JFMAMJJASOND	JFMAMJJASOND	JFMAMJJASOND

- ✧ Web-based search

- ✧ Search by date/time, location, satellite & data type
- ✧ Includes all tape & disk holdings
- ✧ Thumbnail images of available data
- ✧ GVAR 1994+ (127 TB)

- ✧ Data processing

- ✧ Merged when multiple sources are available
- ✧ Quality control by datacenter staff and automated data inspection

Demo

GEOARC01

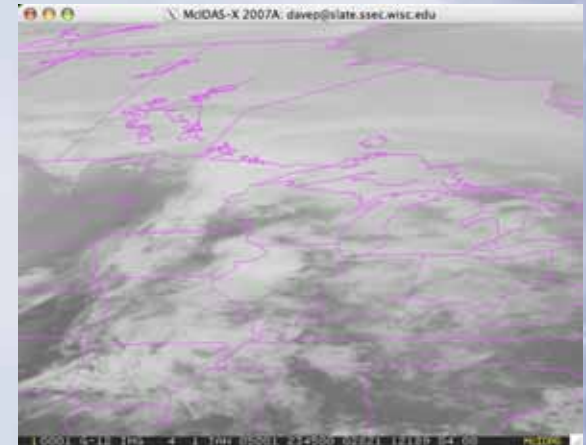
Satellite Inventory Browser

15 Oct 2007 24h

0 200N, 75 00W (West USA) * GEO512 - 15 Oct 2007 24h 42 Items, 40 Days
From 2007-09-11 to 2007-10-25

Statistics: Images changed from normal color (100%) to temporary color (100%)

Time	Type	Coverage	Schedule	Band(s)	N line	S line	W cline	E cline
06:18	Image	NH	ROUTINE	1 2 3 4 6	2699	9976	9077	22928
06:48	Image	NH	ROUTINE	1 2 3 4 6	2699	9976	9077	22928
07:02	Image	CONUS	ROUTINE	1 2 3 4 6	2837	6368	9277	17780
07:15	Image	NH	ROUTINE	1 2 3	2837	6368	9277	22928
07:32	Image	CONUS	ROUTINE	1 2 3	2837	6368	9277	17780
07:48	Image	NH	ROUTINE	1 2 3 4 6	2699	9976	9077	22928
08:02	Image	CONUS	ROUTINE	1 2 3	2837	6368	9277	17780
08:15	Image	NH	ROUTINE	1 2 3	2837	6368	9277	22928
08:32	Image	CONUS	ROUTINE	1 2 3	2837	6368	9277	17780
08:45	Image	FD	ROUTINE	1 2 3 4 6	3445	13264	4025	24860
09:15	Image	NH	ROUTINE	1 2 3 4 6	2699	9976	9077	22928
09:32	Image	CONUS	ROUTINE	1 2 3 4 6	2837	6368	9277	17780
09:48	Image	NH	ROUTINE	1 2 3 4 6	2699	9976	9077	22928
10:02	Image	CONUS	ROUTINE	1 2 3 4 6	2837	6368	9277	17780
10:15	Image	NH	ROUTINE	1 2 3 4 6	2699	9976	9077	22928
10:32	Image	CONUS	ROUTINE	1 2 3 4 6	2837	6368	9277	17780
10:48	Image	FD	ROUTINE	1 2 3 4 6	3445	13264	4025	24860
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10:48	Image	FD	ROUTINE	1 2 3 4 6	3445	13264	4025	24860



McIDAS-X 2007A: davep@slate.ssec.wisc.edu
McIDAS-X Version 2007a (2 OCT 2007)

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EDITMODE VI
SKED SKEDFILE
Scheduler starting on file SKEDFILE
LOGON in progress...
LOGON to McIDAS-X completed,
DATALOC ADD AGO512 GEOARC01

Group Name      Server IP Address
-----
AGO512          GEOARC01

(LOCAL-DATA) indicates that data will be accessed from the local data directory.
DATALOC -- done
ENGLIST AGO512/ALL BWY-2005001
Image file directory listing for: AGO512/ALL
Pos Satellite/   Date           Time           Center          Band(s)
 sensor                  Lat. Lon
-----
109 G-12 IMG     1 JAN 05001    23:45:00       0 70 1-4,6
ENGLIST: done
TIME: 08h 05min 28.176s
1  3  3:10                               Date           Time
15 Oct 2007 2007 18:49:18.7
  
```

<http://dcdbs.ssec.wisc.edu/inventory/>