

PDS/NSSDC Deliveries

Dave Williams

PDS Management Council

Washington, D.C.

28 March 2012

PDS Delivery Status Overview

- PDS Node inputs dataset URLs into PSI, NSSDC opens dataset, updates SIP xman map files, PDS generates SIP manifest, delivers data. NSSDC generates ALPs, archives data collection.
- Delivery system running fairly smoothly, some glitches in front end at about the 1% level, typically involve older data sets with some small formatting difference or Oracle issues
- Upgrade to JIMIX planned for April, this will solve most of the front end problems we are currently encountering

PDS Delivery Status Overview

Back-End (Data Delivery) Problems

- Still having difficulty with deciding how to deliver very large data sets
- Electronic delivery too slow for large data sets
- Data “Toasters” good up to 9-12 TBs
- Planning to try out NAS System delivery with Imaging Node

PDS NSSDC Delivery Status

Node	Outstanding ID Requests	Volumes XMAN Ready	Deliveries Received	Volumes Received	Volume Deliveries Pending
Atmospheres	0	585	7	579	6
Geosciences	0	2554	5	2363	191
Imaging	0	1402	4	897	505
NAIF	0	16	2	16	0
PPI	2	121	8	121	0
Rings	0	15	2	14	1
SBN-PSI	3	282	20	253	29
SBN-UMD	9	255	14	251	4
Total	14	5376	59	4417	736

Node	Delivery Date	Volumes	Size (~GB)	Readiness
Atmospheres	Feb 2012	9	200	Complete
	Apr 2012	8	580	Complete
Geosciences	Apr 2012	222	650	Accumulating
Imaging	Mar 2012	470	278	Submitted
	Jun 2012	2	50,000	Accumulating
	Jul 2012	500	250	Archived
	Sep 2012	4	100,000	Accumulating
NAIF	On Hold			Accumulating
PPI	Jul 2012	34	2	Planned
	Oct 2012	130	20	Planned
	Jan 2013	15	2000	Planned
Rings	Jun 2012	78	400	Lien Resolution
	Sep 2012	15	300	Lien Resolution
	Apr 2013	2	10	Lien Resolution
	Jul 2013	2	20	Planned
	Sep 2013	48	300	Planned
Small Bodies - PSI	Jan 2012	2	5	Completed
	Future	24	8	IDs Assigned
		4	9	IDs Requested
		8	12	Lien Resolution
		4	200	Dawn/Vesta
		20	100	Planned
Small Bodies - UMD	Jan 2012	30	18	1 ID Pending
	Feb 2012	49	409	Completed
	Mar 2012	5	8	IDs Assigned
	Apr 2012	6	90	IDs Requested
	Jun 2012	50	50	Planned

Deep Archive of PDS4 Data

PDS4 will present new challenges for the transfer and deep archive of data at NSSDC. A group comparable to the NDWG which planned the transfer of PDS data to NSSDC will probably be necessary to understand the differences in data formats and make the necessary arrangements for transfer of PDS4 data.

Accumulating Data Sets

Pending drastic budget cuts to NSSDC will make it difficult for us to archive large accumulating data sets from PDS. NSSDC may only be able to accept the final data sets from instruments producing large amounts of data.