



SBN Report

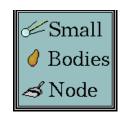
Mike A'Hearn & Eric Palmer



Overview



- Overall issues Mike
- Rosetta Mike
- Dawn Eric
 - plus a bit on PDS4 migration



Compliant Missions



BOPPS

- waiting for context objects, otherwise archivable
- Context objects received this AM from Richard C
- New Horizons
 - data downlink takes forever
- O-REx
 - product design reviews going well
- Others
 - too early to tell (Hayabusa 2, AIDA, Discovery 2014, etc.)



New Initiatives at SBN



- New Co-I, Bo Yang, expert in searching diverse datasets
 - New institution = Bowie State University
 - Will advise on structuring collections and bundles and on valuable metadata (PDS4 implications)
 - Details still to be worked out

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Non-mission Issues



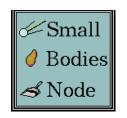
- MPC
 - Will it remain at CfA?
 - How to get deliveries out of the red
- PDS4 -UM-PSI split allows two approaches
 - PSI migrating data as part of OLAF adaptation to PDS4
 - UMd Delayed BOPPS archive and most migration to avoid large effort of rebuilding registry database once context objects are added



Data Management Plans



- http://sbndev.astro.umd.edu/wiki/ ROSES Data Managment Plan Tips
- Very few proposers ask us to look at DMP
 - Some are trivial but others could take a lot of time not in baseline budget
 - Does this put us in a conflict of interest position if we advise on proposal content?
- Most requests for letters merely want us to affirm that their data are suitable for archiving with SBN
 - Useful for our internal planning
- Letter template circulated for general agenda item



Significant Accomplishments



- Conducted first systematic review of a reference frame/coordinate system
 - 67P/C-G document refereed, liens resolved, final edits by mfa suggested to author
 - circulated to folks reviewing proposed Ceres coordinate system and to chairman of IAU WG
 - Available on SBN (and PSA) web site
 - Will be part of dataset including various shape models
 - Ceres review is on track
- Rewriting small bodies section of IAU WG triennial report



Significant Accomplishments



BOPPS

- First large scale "Earth-based" project to archive entirely in PDS4
- One training session on PDS4 and they produced the entire archive themselves (Ray Espiritu at APL)
 - Context objects not included yet because of PDS4 issues with context objects
- No design work by SBN, no relaxation of standards, no last minute requests for fixes
- Aiming for one flight per year, of order 1-3 TB/yr





Rosetta

Mike A'Hearn



Overview



- Continues to be a large time-sink
 - not quite a black hole but close
- External peer review now planned
- Releasing current data as "certified" through release at PSA
 - allows US scientists to access the data as publicly released in a permanent archive (PSA) but get the data directly from PDS-SBN

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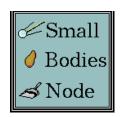


Data Delivery



- Two deliveries 'required' by mid-September
 - PRL = Pre-Lander phase (due mid-June 2015)
 - ESC1 = First escort phase = through March 2015
 - Except OSIRIS!
 - 1 year proprietary period
 - 1st delivery through June 2014, 2nd delivery rest of PRL
- Still issues with format/syntax compliance

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Raw/Calib Data



| * - magne portiol | | | | | | | | | |
|-------------------|-----|---|---|------|---|---|---|---|---|
| * - means partial | | | | | | | | | |
| Released | | | | | | | | | |
| Has Errors | | | | | | | | | |
| Data Errors | | | | | | | | | |
| Delivered Only | | | | | | | | | |
| Phase: | PRL | | | ESC1 | | | | | |
| Level: | 2 | 3 | 4 | 5 | 2 | 3 | 4 | 5 | Note |
| ALICE | | | | | | | | | Index files need to be fixed. ESC1 has some of |
| COSIMA | | | | | | | | | Potential problem though. Since COSIMA is a |
| GIADA | | | | | | | | | |
| MIDAS | | | | | | | | | |
| MIRO | | | | | | | | | Still has minor issues to resolve, and data files |
| NAVCAM | | | | | * | | | | ESC1 released thru Feb 10. ESC1 thru Mar 1 |
| OSIRIS | | * | | | | | | | PRL released thru June 2014. |
| ROSINA | | | | | | | | | |
| RPCICA | | | | | | | | | |
| RPCIES | | | | | | | | | |
| RPCLAP | | | | | | | | | Has minor errors. PSA is in the process of spli |
| RPCMAG | | | | | | | | | |
| RPCMIP | | | | | | | | | Minor fixes needed |
| RSI | * | * | | | | | | | 6 days only so far. RSI has one data set per da |
| VIRTIS | | | | | | | | | |



Lander Data



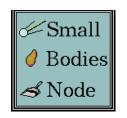
| Phase: | | PHO | C/PDC | CS/SD | RBD/FSS | |
|-----------|---|-----|-------|-------|---------|----------------------|
| Level: | 2 | 3 | 4 | 5 | | |
| APXS | | | | | | Lots of errors. |
| CIVA | | | | | | Lots of errors. |
| CONSERT | | | | | | Mostly minor errors. |
| COSAC | | | | | | Lots of errors. |
| MUPUS | | | | | | Lots of errors. |
| PTOLEMY | | | | | | Mostly minor errors. |
| ROLIS | | | | | | Lots of errors. |
| ROMAP-MAG | | | | | | Lots of errors. |
| ROMAP-SPM | | | | | | Lots of errors. |
| SD2 | | | | | | Lots of errors. |
| SESAME | | | | | | Nothing delivered |



Other Data



- SREM missing even from PSA tracking
- Lander engineering data
 - Shock absorber data critical for understanding strength of surface
 - Thermal data critical for above
- Higher level products
 - Shape models some reviewed, some promised for "sometime in the future"
 - Other products only ALICE and MIP



Shifting Responsibilities



- SBN playing major role in creating shape model dataset
- PSA fixing problems in data from MIP & will likely lead preparation of SREM data and Philae engineering data
- Joint PSA-SBN validation
- Peer review
 - Probably late Jan or early Feb
 - For now liens only on future deliveries, fixing currently delivered data probably after EOM
- Continuing time sink for ≥2 years





DAWN

Eric Palmer