



Rosetta

Various Issues Including Certification

Mike A'Hearn



Certifying High Level Products

- First one will be shape model
- Will be delivered to SBN for peer review and delivery to NAIF as well as PDS archive.
 - PSA will be invited to participate in the peer review (by providing a European reviewer)
 - Shape model will be reviewed BEFORE the imaging data on which it is based!!!
- Future high-level products are still TBD



Certifying Raw & Calib Data

- Liens not yet resolved from Steins & Lutetia flybys (2008 & 2010) - some affect certification
- PSA has unilaterally decided that data will be accepted after passing a validation tool called DVAL.
 - Being developed by José Luis Vasquez at PSA
 - Still in development and difficult to install locally
 - Few teams have installed and used the current (incomplete) version



SBN Suggested Approach

- For instruments with Šteins/Lutetia data, use them as test of configuration control on pipeline
 - All liens must be corrected
 - Will not work for instruments with no real data at asteroid flybys
- Wrote to all teams with relevant asteroidal data early in 2014
 - listed liens that needed to be fixed
 - No response from any team yet except radio science



What Next?

- Tell US instruments that we will do real peer reviews for certification
- Treat European instruments as being certified by PSA
 - DDAP etc. allow use of data publicly archived at other national archives
- This will cause consternation
 - among the teams (why harder for some than others)
 - at PSA (archives not identical)