

Title: Geometry Requirements

Proposer: Steering Committee

Project Leader: Charles Acton, Jet Propulsion Laboratory

Project members:

Charles Acton (lead)	NAIF/JPL
Randy Kirk	USGS
Mitch Gordon	PDS/Rings Node
Jose Luis Vazquez-Garcia	ESAC PSA Data Handling Team
???	ESAC (Pedro to say who else, if any)
???	PDS Imaging Node (maybe Randy Kirk fills this slot?)
(more?)	

Field: System Engineering

Description: Ascertain the role of "geometry" within the federation of national planetary data archive services comprising the IPDA. More particularly, determine requirements (if any), recommendations, and best practices as regards "geometry data" (often referred to as "ancillary data") and allied software within the IPDA.

The project should "be aware of" existing geometry data products, tools and processes, making reference to them as appropriate.

Requirements: In principle the IPDA Geometry Project could be viewed as

supporting all four IPDA Level 1 requirements.

1. Work with data providers for archiving science data
2. Facilitate global access to planetary science data archives
3. Develop ... and publish standards (presumably this could include recommendations and best practices as well) for archiving and sharing science data among international archive systems
4. Promote use of shared tools and services across archive systems in order to support science collaboration

Timescale: 01-Oct-2011 to next IPDA Steering Committee meeting (2012)

Risk: The primary risk is lack of broad participation/representation due to the workloads of otherwise likely contributors.

Deliverables: A "white paper" containing requirements, recommendations and best practices regarding observation geometry data and related software that are to be provided to and used within the archive systems allied with the IPDA

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