



PRoVisG - Planetary Robotics Vision Ground Processing

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D4.2 ProViP processing framework

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Work package 4 – PProViP Task 4.2 Processing Framework

Lead contractor for this deliverable JR

Dissemination level: Restricted to other programme participants (including the Commission Services)

EXECUTIVE SUMMARY

The PRoVisG research project aims to develop a framework for planetary robotic vision processing bringing together the European space community. Through the better processing and visualization of data products from robotic missions, reductions in the operational cost and increases in data output can be realized. The project also aims to increase public awareness and provide procedures to effectively distribute mission data and information to the scientific community and general public.

This document presents the implemented PProViP processing framework, which is the core processing engine in PRoVisG.

The following components are described in detail:

- a) PProViP software overview including:
 - general structure and key requirements
 - data interface
 - implemented clients
 - remote processing
 - directory and file structure after installation
 - processing chain
 - insertion of new functionality
 - data management
- b) building environment
- c) installation
- d) delivery
- e) reasons for unexpected development effort

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