

ISIS - Feature #22

photomet - Ability to look up model curves based on Target & Wavelength

2011-05-30 04:20 PM - Tammy Becker

Status: Acknowledged Priority: High Assignee: Category: API Target version: Impact: Software Version:	Test Reviewer:
Description This is a functionality did exist in Isis2 where the user could select a prepared lookup table based on target body and wavelength. Bodies like the Galilean satellites have look up tables for empirically derived Lunar Lambert curves as a function of phase angle. Mars (MOC) data for Red and Blue channels had look up tables as well. Refer to: \$ISISDATA/photom*.sav for Callisto, Europa, Ganymede, Io, Mars	
Related issues: Related to ISIS - Feature #21: photomet - ability to run on multiple bands Acknowledged Related to ISIS - Feature #247: Software steering committee priority improvem... Closed	

History

#1 - 2011-06-08 09:31 AM - Moses Milazzo

The PGG Carto panel recommended looking at ISIS2 applications and selecting a number to quickly rewrite into ISIS3. This is an application that our own team needs, and that other users could use.

#2 - 2011-06-14 02:59 PM - Moses Milazzo

Kris, Tom Stone should get together to complete some/most of this work.

#3 - 2012-12-04 01:55 PM - Ella (Contractor) Lee

The following have been modified from ISIS2 to the work with the current version of photomet, and available in ISIS3 production version:

```
$ISIS3DATA/base/templates/photometry/  
callisto.pvl  
europa.pvl  
ganymede.pvl  
general_photomet.pvl  
io.pvl  
marsblu.pvl  
mars_mdim2.1_blu_hapken_albat_h2.pvl  
mars_mdim2.1_blu_hapken_topat_h2.pvl  
mars_mdim2.1_otherfilters_hapken_albat_h2.pvl  
mars_mdim2.1_otherfilters_hapken_topat_h2.pvl  
mars.pvl  
marsred.pvl  
moon_clementine_uvvis_a.pvl  
moon_clementine_uvvis_b.pvl  
moon_clementine_uvvis_cde.pvl
```

Ella Mae

#5 - 2013-08-15 10:41 AM - Anonymous

- Target version deleted (150)