

20120731 - 20120801 IIXI

Event date: 2012-Jul-31 to 2012-Aug-01 UT

Predicted event times: 23:00 to 05:00 UT

Recommended wing data outside event: +/- 30 minutes

Predicted photographic magnitude drop: 0.116

Event Type: Io intensity extinction by Europa's atmosphere

Extinction source: Europa's atmosphere

Photometric target: Io

Predicted target photographic magnitude at minima: 5.836

Photometric reference: Europa

Separation of bodies at minima: 4.1''

Radii at minima: 10.5 Europa radii

Special situation: Starting around 01:50 UT Aug 1st Io and Europa begin a transit across the face of Jupiter, so it will not be possible to capture this entire JEE from start to finish due to glare from Jupiter prior to and during transit.

	UT day time	II Radii Separation	Bodies Sep ''	Event Type	Target P mag	Predicted mag drop
Start	2012-Jul-31 23:00	24.9	9.8	II X I	5.720	
Minima	2012-Aug-01 02:20	10.5	4.1	II X I	5.836	0.116
End	2012-Aug-01 05:00	24.8	9.8	II X I	5.721	



Start 2012-Jul-31 23:00

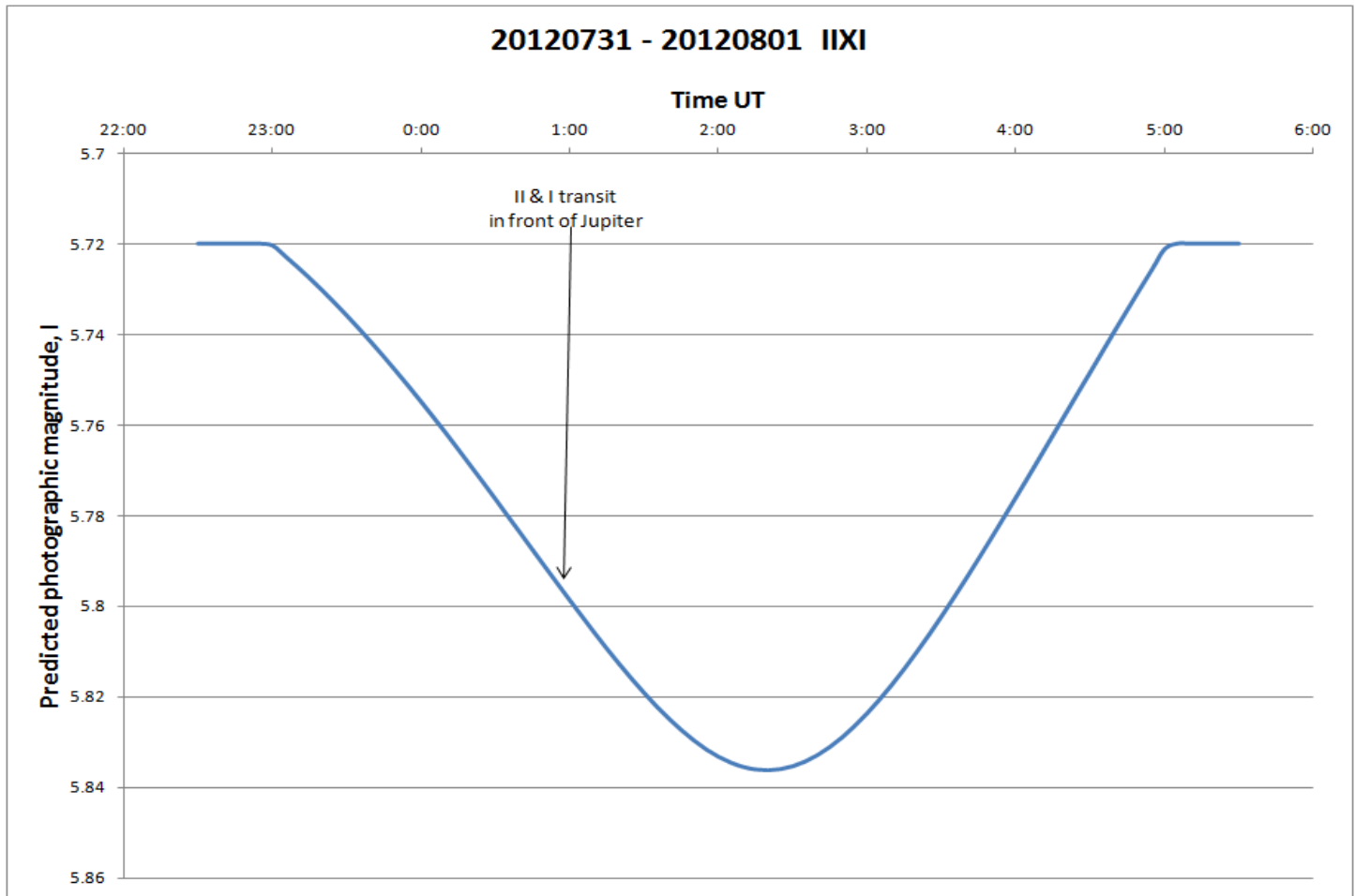


Minima 2012-Aug-01 02:20



End 2012-Aug-01 05:00

Predicted Lightcurve



Jovian Extinction Event Predictions:

Scott Degenhardt June 15, 2012

Send data correspondence to scotty@scottysmightymini.com

<http://scottysmightymini.com/JEE/>

Predictions package: <http://scottysmightymini.com/JEE/JEE2012.PDF>

Ephemeris Source:

<http://ssd.jpl.nasa.gov/horizons.cgi>

Solar System Dynamics Group, Horizons On-Line Ephemeris System

4800 Oak Grove Drive, Jet Propulsion Laboratory

Pasadena, CA 91109 USA

Information: <http://ssd.jpl.nasa.gov/>

Connect : telnet://ssd.jpl.nasa.gov:6775 (via browser)

telnet ssd.jpl.nasa.gov 6775 (via command-line)

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Jovian Moon Configuration Graphic:

Guide 8 by Bill Gray

<http://www.projectpluto.com/>