

20120804 IIXI IIXI

Event date: 2012-Aug-04 UT

Predicted event times: 06:30 to 16:25 UT

Recommended wing data outside event: +/- 30 minutes

Predicted photographic magnitude drop: 0.091 and 0.114

Event Type: Io intensity extinction by Europa's atmosphere twice

Extinction source: Europa's atmosphere

Photometric target: Io

Predicted target photographic magnitude at minima: 5.804 and 5.827

Photometric reference: Europa

Separation of bodies at minima: 4.1''

Radii at minima: 10.3 Europa radii

Special situation: Io experiences a double conjunction with Europa and dims twice. Just after 2nd conjunction Io and Europa transit the face of Jupiter, so entire event may not be captured due to glare from Jupiter. High magnification desired.

	UT day time	II Radii Separation	Bodies Sep "	Event Type	Target P mag	Predicted mag drop
Start	2012-Aug-04 06:30	24.5	9.8	II X I	5.714	
Minima 1	2012-Aug-04 08:05	13.2	5.3	II X I	5.804	0.091
Minima 2	2012-Aug-04 13:50	10.3	4.1	II X I	5.827	0.114
End	2012-Aug-04 16:25	24.6	9.8	II X I	5.713	



Start 2012-Aug-04 06:30



Minima 1 2012-Aug-04 08:05

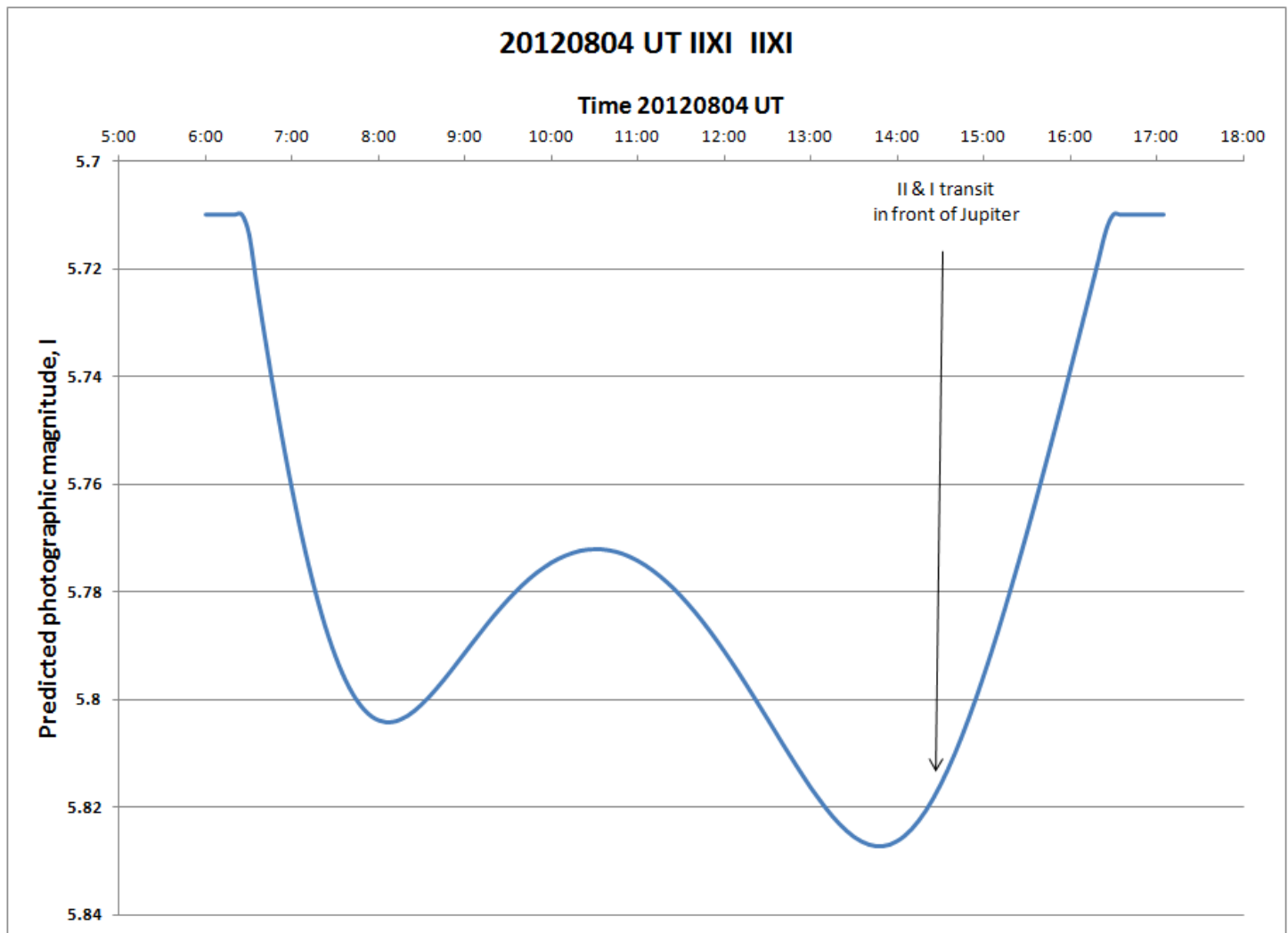


Minima 2 Aug-04 13:50



End 2012-Aug-04 16:25

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_Jun_Aug.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)

Author : Jon.Giorgini@jpl.nasa.gov

Jovian Moon Configuration Graphic:

Guide 8 by Bill Gray

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