

55	Events total	
7.0	minimum Europa radii	
39	Events >16 radii	

Time, UT						
Start/minima/End	Julian Day	Object in front	Object behind	separation, arc seconds	Europa radii	Notes
2013-Aug-12 11:38	2456516.985	II	I	13.8	20.0	
2013-Aug-12 12:29	2456517.02	II	I	7.3		
2013-Aug-12 12:56	2456517.039	II	I	12.4		
2013-Aug-16 00:50	2456520.535	II	I	13.9	19.5	
2013-Aug-16 01:33	2456520.565	II	I	7.2		
2013-Aug-16 02:12	2456520.592	II	I	12.5		
2013-Aug-19 14:04	2456524.086	II	I	13.6	18.9	
2013-Aug-19 14:47	2456524.116	II	I	7.0		
2013-Aug-19 15:26	2456524.143	II	I	12.2		
2013-Aug-23 03:16	2456527.636	II	I	13.7	18.1	
2013-Aug-23 04:01	2456527.667	II	I	6.8		
2013-Aug-23 04:42	2456527.696	II	I	12.2		
2013-Aug-26 16:30	2456531.188	II	I	13.5	17.6	
2013-Aug-26 17:16	2456531.219	II	I	6.6		
2013-Aug-26 17:58	2456531.249	II	I	12.1		
2013-Aug-30 05:42	2456534.738	II	I	13.7	17.1	
2013-Aug-30 06:30	2456534.771	II	I	6.5		
2013-Aug-30 07:16	2456534.803	II	I	12.3		
2013-Sep-02 18:56	2456538.289	II	I	13.6	16.4	
2013-Sep-02 19:46	2456538.324	II	I	6.3		
2013-Sep-02 20:34	2456538.357	II	I	12.4		

2013-Sep-06 08:08	2456541.839	II	I	13.8	16.0	Io in Torus
2013-Sep-06 09:01	2456541.876	II	I	6.2		
2013-Sep-06 09:52	2456541.911	II	I	12.4		
2013-Sep-09 21:22	2456545.39	II	I	13.8	15.4	
2013-Sep-09 22:17	2456545.428	II	I	6.0		
2013-Sep-09 23:10	2456545.465	II	I	12.1		
2013-Sep-13 10:36	2456548.942	II	I	13.7	14.7	
2013-Sep-13 11:33	2456548.981	II	I	5.8		
2013-Sep-13 12:32	2456549.022	II	I	12.4		
2013-Sep-16 23:50	2456552.493	II	I	13.8	14.4	
2013-Sep-16 00:51	2456551.535	II	I	5.7		
2013-Sep-17 01:54	2456552.579	II	I	12.4		
2013-Sep-20 13:04	2456556.044	II	I	13.9	13.8	
2013-Sep-20 14:09	2456556.09	II	I	5.5		
2013-Sep-20 15:18	2456556.138	II	I	12.5		
2013-Sep-24 02:18	2456559.596	II	I	14.2	13.3	
2013-Sep-24 03:29	2456559.645	II	I	5.4		
2013-Sep-24 04:46	2456559.699	II	I	12.5		
2013-Sep-27 15:34	2456563.149	II	I	14.0	12.7	
2013-Sep-27 16:50	2456563.201	II	I	5.2		
2013-Sep-27 18:16	2456563.261	II	I	12.5		
2013-Sep-28 06:44	2456563.781	II	I	4.0	9.3	
2013-Sep-28 07:32	2456563.814	II	I	3.8		
2013-Sep-28 12:24	2456564.017	II	I	12.5		
2013-Sep-30 01:12	2456565.55	II	III	5.6	7.0	
2013-Sep-30 03:25	2456565.642	II	III	2.9		

2013-Sep-30 14:28	2456566.103	II	III	12.7	
2013-Oct-01 04:50	2456566.701	II	I	14.2	
2013-Oct-01 06:13	2456566.759	II	I	5.0	12.0
2013-Oct-01 07:56	2456566.831	II	I	12.5	
2013-Oct-01 19:54	2456567.329	II	I	5.0	
2013-Oct-01 23:00	2456567.458	II	I	5.0	12.0
2013-Oct-02 01:52	2456567.578	II	I	12.6	
2013-Oct-04 18:06	2456570.254	II	I	14.4	
2013-Oct-04 19:39	2456570.319	II	I	4.8	11.6
2013-Oct-04 21:54	2456570.413	II	I	12.7	
2013-Oct-05 09:12	2456570.883	II	I	9.2	
2013-Oct-05 13:32	2456571.064	II	I	4.7	11.3
2013-Oct-05 15:14	2456571.135	II	I	12.7	
2013-Oct-06 02:56	2456571.622	II	III	15.0	
2013-Oct-06 05:11	2456571.716	II	III	5.6	13.3
2013-Oct-06 07:46	2456571.824	II	III	12.8	
2013-Oct-08 07:26	2456573.81	II	I	14.3	
2013-Oct-08 09:11	2456573.883	II	I	4.6	11.0
2013-Oct-08 13:38	2456574.068	II	I	11.2	
2013-Oct-08 23:24	2456574.475	II	I	14.1	
2013-Oct-09 03:07	2456574.63	II	I	4.9	11.7
2013-Oct-09 04:34	2456574.69	II	I	12.8	
2013-Oct-11 20:44	2456577.364	II	I	14.5	
2013-Oct-11 22:50	2456577.451	II	I	4.4	10.4
2013-Oct-12 02:56	2456577.622	II	I	6.8	

2013-Oct-12 14:18	2456578.096	II	I	14.4	12.0	Ends close to Jupiter
2013-Oct-12 16:34	2456578.19	II	I	5.1		
2013-Oct-12 17:52	2456578.244	II	I	13.2		
2013-Oct-13 07:20	2456578.806	II	III	15.0	7.8	
2013-Oct-13 20:20	2456579.347	II	III	3.3		
2013-Oct-13 20:20	2456579.347	II	III	3.3		
2013-Oct-15 10:08	2456580.922	II	I	14.5	8.6	
2013-Oct-15 16:32	2456581.189	II	I	3.7		
2013-Oct-15 16:32	2456581.189	II	I	3.7		
2013-Oct-16 04:06	2456581.671	II	I	14.8	12.6	
2013-Oct-16 05:56	2456581.747	II	I	5.4		
2013-Oct-16 07:06	2456581.796	II	I	13.0		
2013-Oct-18 23:34	2456584.482	II	I	14.5	10.1	
2013-Oct-19 03:45	2456581.656	II	I	4.4		
2013-Oct-19 05:12	2456584.717	II	I	5.5		
2013-Oct-19 17:40	2456585.236	II	I	15.0	12.9	
2013-Oct-19 19:15	2456585.302	II	I	5.6		
2013-Oct-19 20:20	2456585.347	II	I	13.3		
2013-Oct-21 09:10	2456586.882	II	IV	13.9	17.7	
2013-Oct-21 11:44	2456586.989	II	IV	7.7		
2013-Oct-22 00:44	2456587.531	II	IV	16.9		
2013-Oct-21 23:56	2456587.497	II	III	16.1	17.5	
2013-Oct-22 01:45	2456587.573	II	III	7.7		
2013-Oct-22 03:06	2456587.629	II	III	14.3		
2013-Oct-22 13:06	2456588.046	II	I	14.7	17	
2013-Oct-22 15:48	2456588.158	II	I	7.5		

2013-Oct-22 18:08	2456588.256	II	I	9.4		
2013-Oct-23 07:06	2456588.796	II	I	15.4		
2013-Oct-23 08:30	2456588.854	II	I	5.8	13.2	lo in Torus
2013-Oct-23 09:32	2456588.897	II	I	13.4		
2013-Oct-26 20:28	2456592.353	II	I	15.5		
2013-Oct-26 21:47	2456592.408	II	I	6.0	13.5	lo in Torus
2013-Oct-26 22:44	2456592.447	II	I	13.9		
2013-Oct-29 03:58	2456594.665	II	III	16.8		
2013-Oct-29 05:31	2456594.73	II	III	8.4	18.7	
2013-Oct-29 06:42	2456594.779	II	III	14.9		
2013-Oct-30 09:48	2456595.908	II	I	15.6		
2013-Oct-30 11:00	2456595.958	II	I	6.1	13.6	
2013-Oct-30 11:54	2456595.996	II	I	14.1		
2013-Nov-02 23:02	2456599.46	II	I	16.1		
2013-Nov-03 00:11	2456599.508	II	I	6.3	13.8	
2013-Nov-03 01:02	2456599.543	II	I	14.2		
2013-Nov-06 12:16	2456603.011	II	I	16.4		
2013-Nov-06 13:21	2456603.056	II	I	6.6	14.3	
2013-Nov-06 14:10	2456603.09	II	I	14.4		
2013-Nov-10 01:28	2456606.561	II	I	16.6		
2013-Nov-10 02:30	2456606.604	II	I	6.8	14.6	
2013-Nov-10 03:16	2456606.636	II	I	14.4		
2013-Nov-13 14:40	2456610.111	II	I	16.6		
2013-Nov-13 15:38	2456610.151	II	I	6.9	14.7	
2013-Nov-13 16:22	2456610.182	II	I	14.5		

2013-Nov-17 03:48	2456613.658	II	I	17.1	14.9	
2013-Nov-17 04:44	2456613.697	II	I	7.1		
2013-Nov-17 05:28	2456613.728	II	I	14.9		
2013-Nov-20 16:56	2456617.206	II	I	17.4	15.2	
2013-Nov-20 17:51	2456617.244	II	I	7.3		
2013-Nov-20 18:32	2456617.272	II	I	14.9		
2013-Nov-24 06:04	2456620.753	II	I	17.3	15.5	
2013-Nov-24 06:56	2456620.789	II	I	7.5		
2013-Nov-24 07:36	2456620.817	II	I	15.1		
2013-Nov-27 19:10	2456624.299	II	I	17.6	15.7	
2013-Nov-27 20:00	2456624.333	II	I	7.7		
2013-Nov-27 20:40	2456624.361	II	I	15.4		
2013-Dec-01 08:16	2456627.844	II	I	17.5	16.1	
2013-Dec-01 09:04	2456627.878	II	I	7.9		
2013-Dec-01 09:42	2456627.904	II	I	15.4		
2013-Dec-04 21:20	2456631.389	II	I	17.9	16.4	
2013-Dec-04 22:07	2456631.422	II	I	8.1		
2013-Dec-04 22:44	2456631.447	II	I	15.5		
2013-Dec-08 10:24	2456634.933	II	I	17.9	16.5	
2013-Dec-08 11:10	2456634.965	II	I	8.2		
2013-Dec-08 11:46	2456634.99	II	I	15.8		
2013-Dec-09 14:10	2456636.09	II	IV	15.8	17.0	IV enters Jupiter's shadow
2013-Dec-09 16:04	2456636.169	II	IV	8.5		
2013-Dec-09 16:04	2456636.169	II	IV	8.5		
2013-Dec-11 23:26	2456638.476	II	I	18.5		

2013-Dec-12 00:12	2456638.508	II	I	8.4	16.6
2013-Dec-12 00:48	2456638.533	II	I	16.1	
2013-Dec-15 12:30	2456642.021	II	I	18.2	
2013-Dec-15 13:13	2456642.051	II	I	8.6	17.0
2013-Dec-15 13:48	2456642.075	II	I	16.0	
2013-Dec-19 01:32	2456645.564	II	I	18.4	
2013-Dec-19 02:15	2456645.594	II	I	8.7	17.1
2013-Dec-19 02:48	2456645.617	II	I	15.9	
2013-Dec-22 14:34	2456649.107	II	I	18.4	
2013-Dec-22 15:15	2456649.135	II	I	8.9	17.5
2013-Dec-22 15:48	2456649.158	II	I	16.0	
2013-Dec-26 03:36	2456652.65	II	I	18.4	
2013-Dec-26 04:16	2456652.678	II	I	9.1	18.0
2013-Dec-26 04:48	2456652.7	II	I	16.1	
2013-Dec-29 16:36	2456656.192	II	I	18.8	
2013-Dec-29 17:17	2456656.22	II	I	9.1	17.8
2013-Dec-29 17:48	2456656.242	II	I	16.3	