Rev 11 Cassini Radio Science Occultation: Event Times on DOY 2005-196				
Essam Marouf 07/11/05				
	SCET UTC	ERT UTC	Pacific Time	
		OWLT =	GMT-7hrs	Comments
		1:23:56	7:00:00	
Within GMB				Off Earth Point
Behind Saturn				
DSS-34: Begin-of-Track	3:31:04	4:55:00	21:55:00	No signal at start of track; blind pointing
Start of Egress	3:46:22	5:10:18	22:10:18	Cassini HGA Earth pointed; no signal expected
Expected S-band Signal	4:13:33	5:37:29	22:37:29	S-Band starts to build up systematically
Expected X-band Signal	4:14:33	5:38:29	22:38:29	X-Band level starts to build up systematically
Expected Ka-band Signal	4:15:58	5:39:54	22:39:54	Ka-Band level starts to build up systematically
Troposphere out	4:23:03	5:46:59	22:46:59	Signal level builds up systematically
Ionosphere out	4:33:04	5:57:00	22:57:00	Strong signal level
DSS-34: Enable Monopulse	4:33:34	5:57:30	22:57:30	Monopulse enabled at ~68,000 km impact rad
Ring C in	4:39:19	6:03:15		Strong, dynamically changing signal level
DSS-55: Begin-of-Track	4:51:04	6:15:00	23:15:00	Track starts in the middle of Ring C
DSS-55: Enable Monopulse	4:51:34	6:15:30	23:15:30	Small elevation angle; lock problems?
DSS-34: Disable Monopulse	5:01:19	6:25:15	23:25:15	Monopulse offset used to initialize blind pointing
DSS-55: Disable Monopulse	5:01:19	6:25:15	23:25:15	Monopulse offset used to initialize blind pointing
Ring B in	5:01:49	6:25:45	23:25:45	Signal level drops substantially
Ring B out	5:34:46	6:58:42		Signal level is small in Ring B
DSS-55: Enable Monopulse	5:35:16	6:59:12		Monopulse enabled ~30 s after exit from Ring B
DSS-34: End-of-Track	5:36:04	7:00:00	0:00:00	Track ends just after exit from Ring B
Ring A in	5:40:40	7:04:36		Clear dynamic signal throughout most of Ring A
Enke Gap	5:55:46	7:19:42	0:19:42	Strong signal
Ring A out	5:59:58	7:23:54		Sudden transition to free-space signal level
Ring F	6:04:55	7:28:51		Rings F is only detectable in postprocessing
End of Baseline	6:36:22	8:00:18		Strong signal level
End GMB	6:50:00	8:13:56		End of the rev 11 radio occultation experiment
DSS-55: End-of-Track	9:41:04	11:05:00	4:05:00	Gravity Enhancement Pass follows occultation

Note: Some Ring Edges are known to be noncircular, which will affect event times above Monopluse Strategies above are preliminary at this time and may be changed in real-time