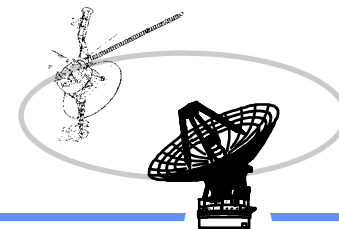


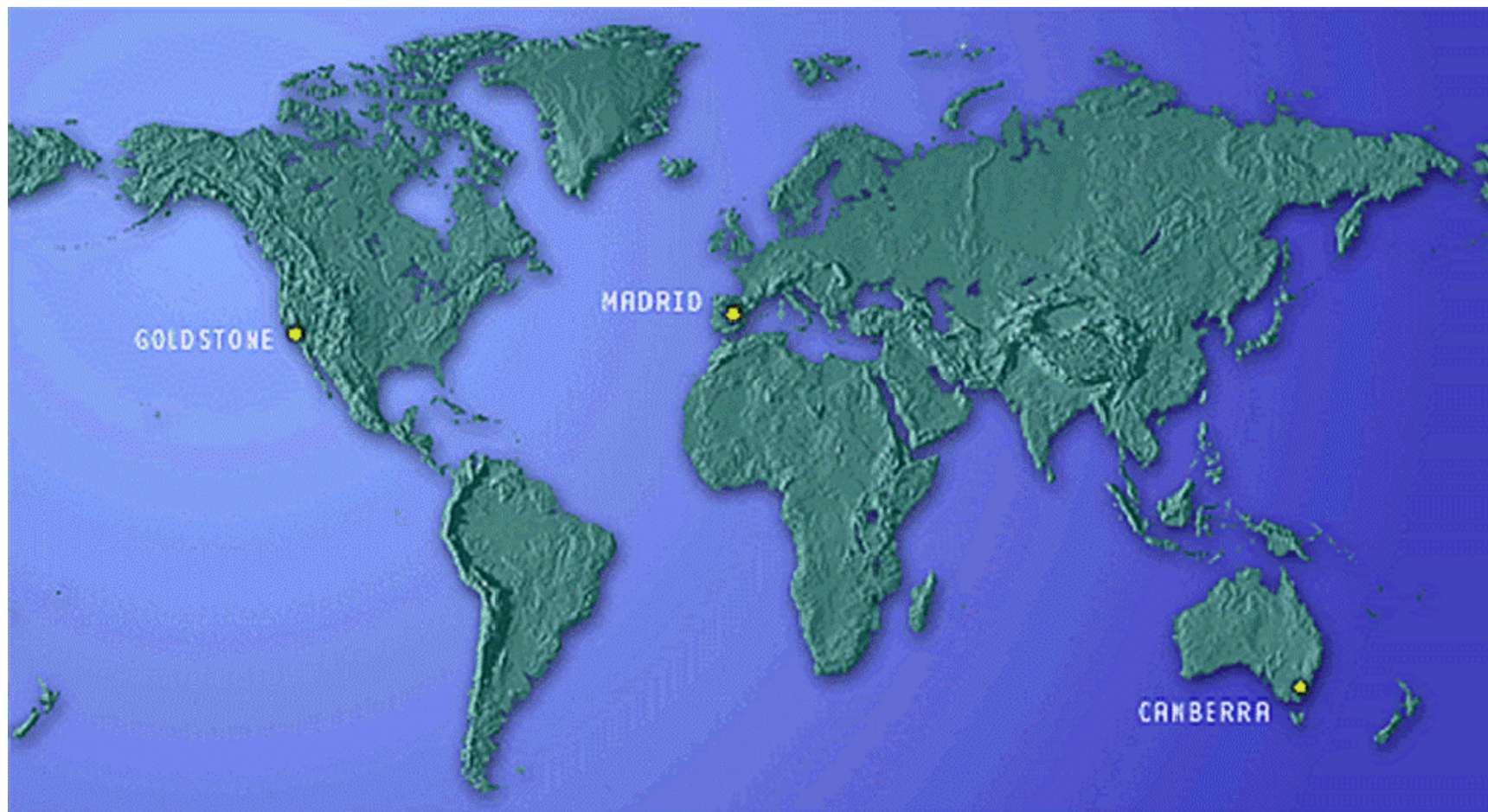


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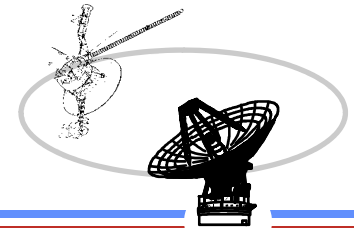
DSN Antenna Downtime Status and Forecast



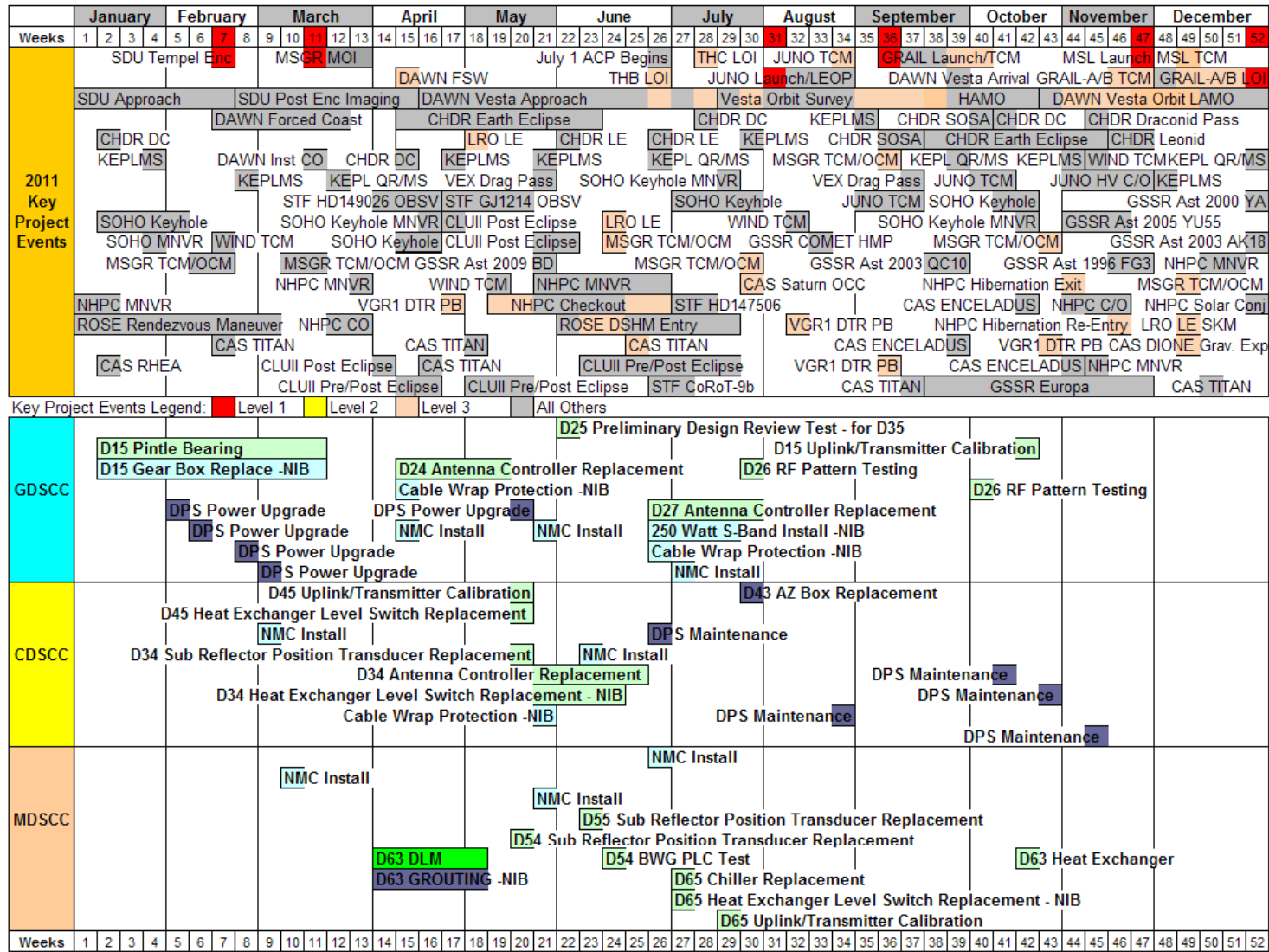


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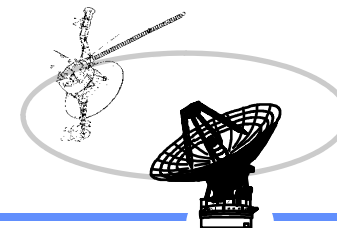
- 2011 -



Revised: September 29, 2011



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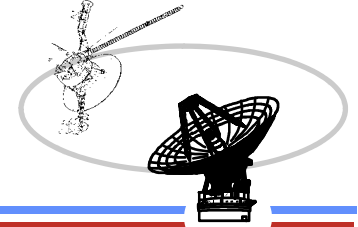
DSN Downtime 2011

2011							
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY
DSS 26	RF Pattern Testing	10/03/2011 00:00	10/06/2011 00:00	3	40 - 40	276	279
SPC 40	DPS Maintenance	10/13/2011 16:50	10/14/2011 06:05	1	41 - 41	286	287
DSS 63	Heat Exchanger	10/18/2011 16:30	10/23/2011 16:20	5	42 - 42	291	296
DSS 15	Uplink/Transmitter Cal	10/20/2011 10:00	10/21/2011 22:00	2	42 - 42	293	294
SPC 40	DPS Maintenance	10/26/2011 15:35	10/27/2011 03:30	0	43 - 43	299	300
SPC 40	DPS Maintenance	11/10/2011 17:45	11/11/2011 04:30	0	45 - 45	314	315



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Antenna Downtime Status and Forecast

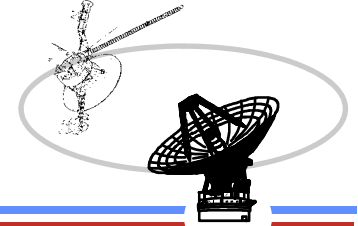
The following are downtimes for 2011

- ❑ 34HEF Uplink and Transmitter Calibration downtime was requested on DSS-15 for 36 hours in 2011. DSS-65 and DSS-45 were completed.
 - ❑ DSS-15 is scheduled for week 42 October 20 – 21, DOY 293/1000 – 294/2200
- ❑ Canberra requested six 8 – 12 hour blocks of Complex Wide DSCC Power Substation (DPS) Maintenance Downtime for April – November
 - ❑ The remaining downtimes are scheduled for the following weeks
 - ❑ Week 41, October 13, DOY 286/1650 – 287/0605
 - ❑ Week 43, October 24, DOY 299/1535 – 300/0330
 - ❑ Week 45, November 10, DOY 314/1745 – 315/0430
- ❑ DSS-26 RF Pattern Testing was requested for July and September
 - ❑ One block is scheduled for week 40, October 3, – 6 DOY 276/0000 – 279/0220
- ❑ DSS-63 Heat Exchanger Replacement downtime was requested for 2011
 - ❑ DSS-63 needs downtime due to a heat exchanger leak. This downtime is scheduled for week 42, October 18 – 23, DOY 291/1630 – 296/1620,



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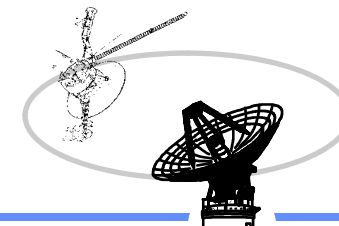
- 2012 -

	January	February	March	April	May	June	July	August	September	October	November	December	
Weeks	1 2 3 4	5 6 7 8	9 10 11 12	13 14 15 16	17 18 19 20	21 22 23 24	25 26 27 28	29 30 31	32 33 34 35	36 37 38 39	40 41 42 43	44 45 46 47	48 49 50 51 52
2012 Key Project Events	JUNO TCM MSL INST C/O 1 MSL TCM MSL FSW Update MSL ENG C/O 1 MSL TCM												
	GRAIL A/B PRM MSL ENG C/O 2 MSL EDL												
	VEX Drag Pass M5GR TCM/OCM MSL Approach MSL Surface Ops												
	DAWN Vesta Orbit DAWN Vesta Depart DAWN Ceres Thrust DAWN Forced Coast												
	GSSR Ast 1991 VK GRAIL A/B Science DAWN Ceres Thrust												
	KEPL MS KEPL MS KEPL QR/MS KEPL MS KEPL MS KEPL QR/MS KEPL MS KEPL MS KEPL QR/MS KEPL MS KEPL QR/MS KEPL MS												
	WIND TCM WIND TCM WIND TCM WIND TCM WIND TCM WIND TCM WIND TCM WIND TCM WIND TCM WIND TCM WIND TCM WIND TCM												
	GSSR Ast Eros JUNO DSMs DDOR VGR1 DTR PB VEX Drag Pass JUNO DSM JUNO Per Maint GSSR Ast 2007 PA8												
	CHDR DC CHDR DC CHDR DC CHDR DC CHDR DC CHDR DC CHDR DC CHDR DC CHDR DC CHDR DC CHDR DC CHDR DC												
	SOHO MNVR GSSR Mars CHDR Earth Eclipse GSSR Ast 2005 G021 CHDR Earth Eclipse WIND TCM												
	MRO Relay												
	SOHO Keyhole SOHO Keyhole GSSR Ast 1998 HE3 SOHO Keyhole SOHO Keyhole SOHO Keyhole SOHO Keyhole												
	NHPC Hibernation Re-Entry NHPC TCM SOHO MNVR NHPC TCM SOHO MNVR MRO MSL Relay SOHO MNVR NHPC Hibernation Re-Entry NHPC Solar Con												
	NHPC Hibernation Exit NHPC Checkout NHPC Hibernation Exit NHPC MNVR NHPC Hibernation Re-Entry NHPC Solar Con NHPC Checkout												
	NHPC Checkout GSSR Ast 2000 ET70 NHPC S/W Load CAS TITAN NHPC Hibernation Re-Entry NHPC MNVR VGR1 DTR PB NHPC Hibernation Exit												
	NHPC MNVR CAS TITAN CAS TITAN CAS ENCELADUS CAS ENCELADUS CAS TITAN GSSR Ast 2002 AM31 VGR1 DTR PB NHPC Hibernation Exit												
	CAS TITAN CAS TITAN CAS ENCELADUS CAS ENCELADUS CAS TITAN GSSR Ast 1998 ST49 GSSR Ast 4179 Tout												
	CAS TITAN CAS TITAN CAS TITAN												
	Key Project Events Legend: ■ Level 1 ■ Level 2 ■ Level 3 ■ All Others												
GDSCC	D15 TXR Manifold Upgrade - Proposed DPS Maintenance - Proposed D26 Antenna Controller Replacement Cable Wrap Protection-NIB DPS Maintenance - Proposed DPS Maintenance - Proposed Cable Wrap Protection-NIB DPS Maintenance - Proposed												
	70M Tune-up/Calibration - Proposed D14 Plug Seal Replacement - NIB DPS Maintenance - Proposed												
CDSCC	D43 70M Tune-up/Calibration DPS Power Upgrade D43 Antenna Prep Phase 1 - Proposed												
	D63 GROUTING D63 70M Tune-up/Calibration - NIB D54 AZ Track Replacement - Proposed D54 Antenna Controller Replacement - Proposed Cable Wrap Protection-NIB												
MDSCC	D63 GROUTING D63 70M Tune-up/Calibration - NIB D54 AZ Track Replacement - Proposed D54 Antenna Controller Replacement - Proposed Cable Wrap Protection-NIB												
	D54 AZ Track Replacement - Proposed D54 Antenna Controller Replacement - Proposed Cable Wrap Protection-NIB												
Weeks	1 2 3 4	5 6 7 8	9 10 11 12	13 14 15 16	17 18 19 20	21 22 23 24	25 26 27 28	29 30 31	32 33 34 35	36 37 38 39	40 41 42 43	44 45 46 47	48 49 50 51 52

Revised: October 3, 2011

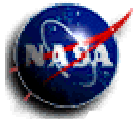


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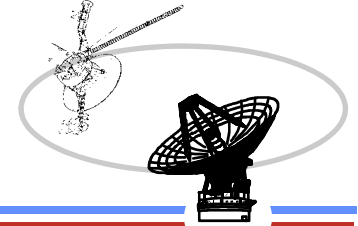
DSN Downtime 2012

2012							
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY
DSS 43	70m Tune-up/Calibration	02/06/2012 19:00	02/12/2012 07:00	6	06 - 06	37	43
SPC 40	DPS Maintenance	02/08/2012 20:00	02/09/2012 10:00	1	06 - 06	39	40
DSS 63	70m Tune-up/Calibration - NIB	02/20/2012 06:00	03/11/2012 17:00	20	08 - 10	51	71
DSS 63	Grouting	02/20/2012 06:00	03/11/2012 17:00	20	08 - 10	51	71
DSS 15	TXR Manifold Upgrade-Proposed	03/05/2012 14:00	03/10/2012 00:00	4	10 - 10	65	70
SPC 10	DPS Maintenance - Proposed	03/06/2012 14:00	03/07/2012 02:00	0	10 - 10	66	67
DSS 14	70m Tune-up/Calibration - Proposed	03/12/2012 14:00	04/01/2012 01:00	19	11 - 13	72	92
DSS 14	Plug Seal Replacement - NIB	03/12/2012 14:00	04/01/2012 01:00	19	11 - 13	72	92
DSS 26	Cable Wrap Protection - NIB	04/02/2012 13:00	04/05/2012 05:00	3	14 - 14	93	96
DSS 26	Antenna Controller Replacement	04/02/2012 13:00	04/29/2012 01:00	26	14 - 17	93	120
SPC 10	DPS Maintenance - Proposed	04/04/2012 14:00	04/05/2012 02:00	0	14 - 14	95	96
SPC 10	DPS Maintenance - Proposed	05/08/2012 14:00	05/09/2012 02:00	0	19 - 19	129	130
DSS 25	Cable Wrap Protection - NIB	06/11/2012 00:00	06/14/2012 00:00	3	24 - 24	163	166
DSS 25	Antenna Controller Replacement	06/11/2012 00:00	07/15/2012 00:00	34	24 - 28	163	197
SPC 10	DPS Maintenance - Proposed	06/13/2012 14:00	06/14/2012 02:00	0	24 - 24	165	165
SPC 10	DPS Maintenance - Proposed	07/12/2012 14:00	07/13/2012 02:00	0	28 - 28	194	194
DSS 54	AZ Track Replacement - Proposed	09/10/2012 00:00	10/28/2012 00:00	48	37 - 43	254	302
SPC 10	DPS Maintenance - Proposed	09/12/2012 14:00	09/13/2012 02:00	0	37 - 37	256	256
DSS 43	HBA antenna Prep Phase 1 - Proposed	10/15/2012 00:00	12/02/2012 00:00	48	42 - 48	289	337
DSS 54	Cable Wrap Protection - NIB	10/22/2012 00:00	10/25/2012 00:00	3	43 - 43	296	299
DSS 54	Antenna Controller Replacement - Proposed	10/22/2012 00:00	11/25/2012 00:00	34	43 - 47	296	330



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Antenna Downtime Status and Forecast

The following are downtimes for 2012 – 2014

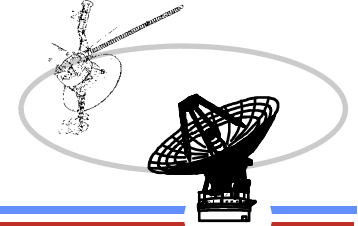
- ❑ DSS-15 Downtime for TXR Manifold Upgrade is requested
 - ❑ One week of downtime is requested for January – May time frame,
 - ❑ Downtime is proposed for March 5 – 9, week 10, 1400 – 0000, DOY 065 – 069
 - ❑ This is prime shift hours only. Non-downtime hours can be used for tracking in D/L only configuration
- ❑ Goldstone requests six 8 – 12 hour blocks of Complex Wide DSCC Power Substation (DPS) Maintenance Downtime for March – November of 2012
 - ❑ Downtimes are proposed for the following weeks – prime shift hours are preferred, however, off shift hours are acceptable
 - ❑ March 7, week 10
 - ❑ April 4, week 14
 - ❑ May 8, week 19
 - ❑ June 13, week 24
 - ❑ July 12, week 28
 - ❑ September 12, week 37
- ❑ BWG Antenna Controller Replacement for 2012 – 2013
 - ❑ DSS-26 is scheduled for April 2 – 29, 2012, weeks 14 – 17, DOY 093/1300 – 120/0100
 - ❑ DSS-25 is scheduled for June 11 – July 15, 2012, weeks 24 – 28, DOY 163/0000 – 197/0000
 - ❑ DSS-54 is proposed for October 22 – November 25, 2012, weeks 43 – 47, DOY 296/0000 – 330/0000
 - ❑ DSS-55 is proposed for January 14 – February 17, 2013, weeks 03 – 07, DOY 014/0000 – 048/0000

Note: Cable Wrap Protection for each BWG ACR requires 3 days and will be NIB



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Antenna Downtime Status and Forecast

The following are downtimes for 2012 – 2014 (continued)

- ❑ DSS-63 downtime for Grouting is requested once per year
 - ❑ **Scheduled** for February 20 – March 11, 2012, weeks 08 – 10, DOY 051/0600 – 071/1700
 - ❑ Tune-up/Calibration is scheduled NIB to grouting
 - ❑ An additional grouting is proposed for September 2 – 17, 2013, weeks 36 – 38, DOY 245/0000 – 260/0000

Note: Stand alone Grouting requires 15 days

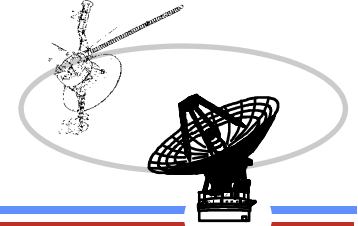
- ❑ DSS-43 downtime for Tune-up/Calibration is requested for 2012
 - ❑ **Scheduled** for February 6 – 12, week 06, DOY 037/1900 – 043/0700
 - ❑ An additional SPC-40 DPS 8-12 hour power task is proposed for week 06, DOY 039/2000 – 040/1000
 - ❑ Initially requested for December 2011, but due to contention/high level activities, it is proposed for February 2012

- ❑ DSS-14 downtime for Tune-up/Calibration and Plug Seal Replacement is requested for 2012
 - ❑ Tune-up/Calibration and Plug Seal Replacement is proposed for March 12 – April 1 weeks 11 – 13, DOY 072/1400 – 092/0100. **May possibly begin on DOY 075 begin after GSSR events**
 - ❑ 20 days of downtime is requested to complete the task



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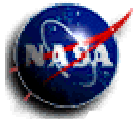
Antenna Downtime Status and Forecast

The following are downtimes for 2012 – 2014 (continued)

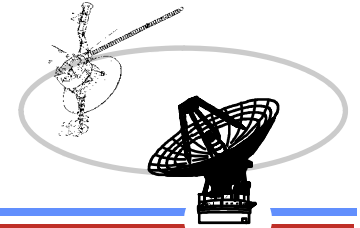
- ❑ AZ Track Replacement is requested for DSS-54, 24 and 26 beginning in the fall of 2012. The following sequence is proposed
 - ❑ DSS-54 is proposed for September 10 – October 28, 2012, weeks 37 – 43
 - ❑ DSS-24 is proposed for April 22 – June 30, 2013, weeks 17 – 26
 - ❑ DSS-26 is proposed for March 31 – June 8, 2014, weeks 14 – 23
 - ❑ Reconfiguration Prep is proposed for March 10 – June 30, weeks 11 - 26
 - ❑ 80 kW Facility Preparation will be scheduled NIB March 31 – May 18, weeks 14 – 20

- ❑ Madrid requests six 8 – 12 hour blocks of Complex Wide DSCC Power Substation (DPS) Maintenance Downtime for January – June of 2013
 - ❑ Downtimes are proposed for the following weeks – prime shift hours are requested
 - ❑ January 23, week 04
 - ❑ February 27, week 09
 - ❑ March 27, week 13
 - ❑ April 24, week 17
 - ❑ May 29, week 22
 - ❑ June 26, week 26

- ❑ DSS-43 HBA Upgrade and Life Extension downtime is proposed for 2012 – 2013
 - ❑ Phase 1 antenna prep is proposed for 7 weeks in late 2012. Phase 2 antenna upgrade is proposed for 27 weeks in early through mid 2013
 - ❑ Details are being worked internally and is currently under review
 - ❑ ZDD will be scheduled prior to return to service



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Antenna Downtime Status and Forecast

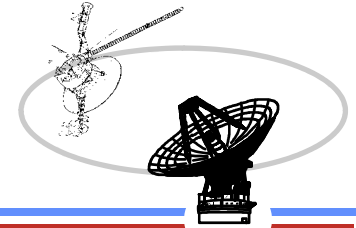
The following are downtimes for 2012 – 2014 (continued)

- DSS-63 HBA Upgrade and Life Extension downtime is proposed for 2014
 - Proposed for March 10 – October 5, weeks 11– 40
 - ZDD will be scheduled prior to return to service



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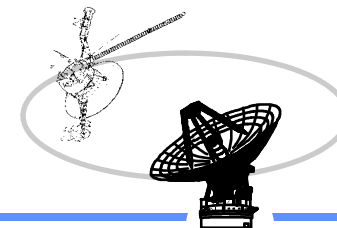
- 2013 -

	January					February				March				April				May				June				July				August				September				October				November				December																
Weeks	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52										
2013 Key Project Events	LADEE Launch																	MAVEN Launch																	MAVEN TCM																											
	DAWN Ceres Thrst PB/TV																	DAWN Ceres Coasting																																												
	WIND TCM					DAWN Forced Coast				WIND TCM				WIND TCM				WIND TCM				WIND TCM				WIND TCM				WIND TCM				WIND TCM																												
	CHDR DC					CHDR Earth Eclipse				CHDR DC				CHDR DC				CHDR Earth Eclipse				CHDR DC				CHDR DC				CHDR Leonid																																
	SOHO Keyhole					NHPC Hibernation Re-Entry				JUNO ME Flush				JUNO TCM				JUNO EFB DDOR				JUNO EFB				NHPC Hibernation Re-Entry																																				
	NHPC S/W Load					MRO MSL Relay				MSL Surface Ops				NHPC Solar Conjunction				NHPC Hibernation Exit				NHPC Hibernation Exit				NHPC Hibernation Re-Entry				NHPC Checkout																																
	NHPC Hibernation Exit					NHPC Hibernation Exit				NHPC S/W Load				NHPC Hibernation Re-Entry				NHPC Hibernation Re-Entry				NHPC Hibernation Re-Entry				NHPC Hibernation Exit																																				
	NHPC Checkout					NHPC MNVR				GSSR Ast 2002 AY1				GSSR Ast 1998 QE2				GSSR Ast 2005 WK4				GSSR Ast 1998 FW4				NHPC Solar Conjunction																																				
	GSSR Ast 2002 AY1					GSSR Ast APOSIS				CAS RHEA Flyby				CAS TITAN Flyby				CAS TITAN Flyby				CAS TITAN Flyby				CAS TITAN Flyby				CAS TITAN Flyby																																
	GSSR Ast APOSIS					CAS TITAN Flyby				CAS TITAN Flyby				CAS TITAN Flyby				CAS TITAN Flyby				CAS TITAN Flyby				CAS TITAN Flyby				CAS TITAN Flyby																																
Key Project Events Legend: ■ Level 1 ■ Level 2 ■ Level 3 ■ All Others																																																														
GDSCC	D24 AZ Track Replacement - Proposed																																																													
CDSCC	D43 HBA Upgrades & Life Extension Phase 2 - Proposed																	D35 Modkit Inventory/Installation/Checkout D35 Subsystem Acceptance Testing D35 Systems Integration Testing																																												
MDSCC	D55 Antenna Controller Replacement - Proposed					D55 Cable Wrap Protection - NIB				DSP Maintenance - Proposed				DSP Maintenance - Proposed				DSP Maintenance - Proposed				D63 GROUTING - Proposed																																								
	D55 Cable Wrap Protection - NIB					DSP Maintenance - Proposed				DSP Maintenance - Proposed				DSP Maintenance - Proposed				DSP Maintenance - Proposed				D63 GROUTING - Proposed																																								
	DSP Maintenance - Proposed					DSP Maintenance - Proposed				DSP Maintenance - Proposed				DSP Maintenance - Proposed				DSP Maintenance - Proposed				D63 GROUTING - Proposed																																								
	DSP Maintenance - Proposed					DSP Maintenance - Proposed				DSP Maintenance - Proposed				DSP Maintenance - Proposed				DSP Maintenance - Proposed				D63 GROUTING - Proposed																																								
Weeks	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52										

Revised: October 3, 2011



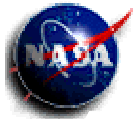
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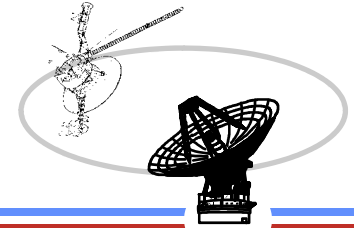
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DSN Downtime 2013

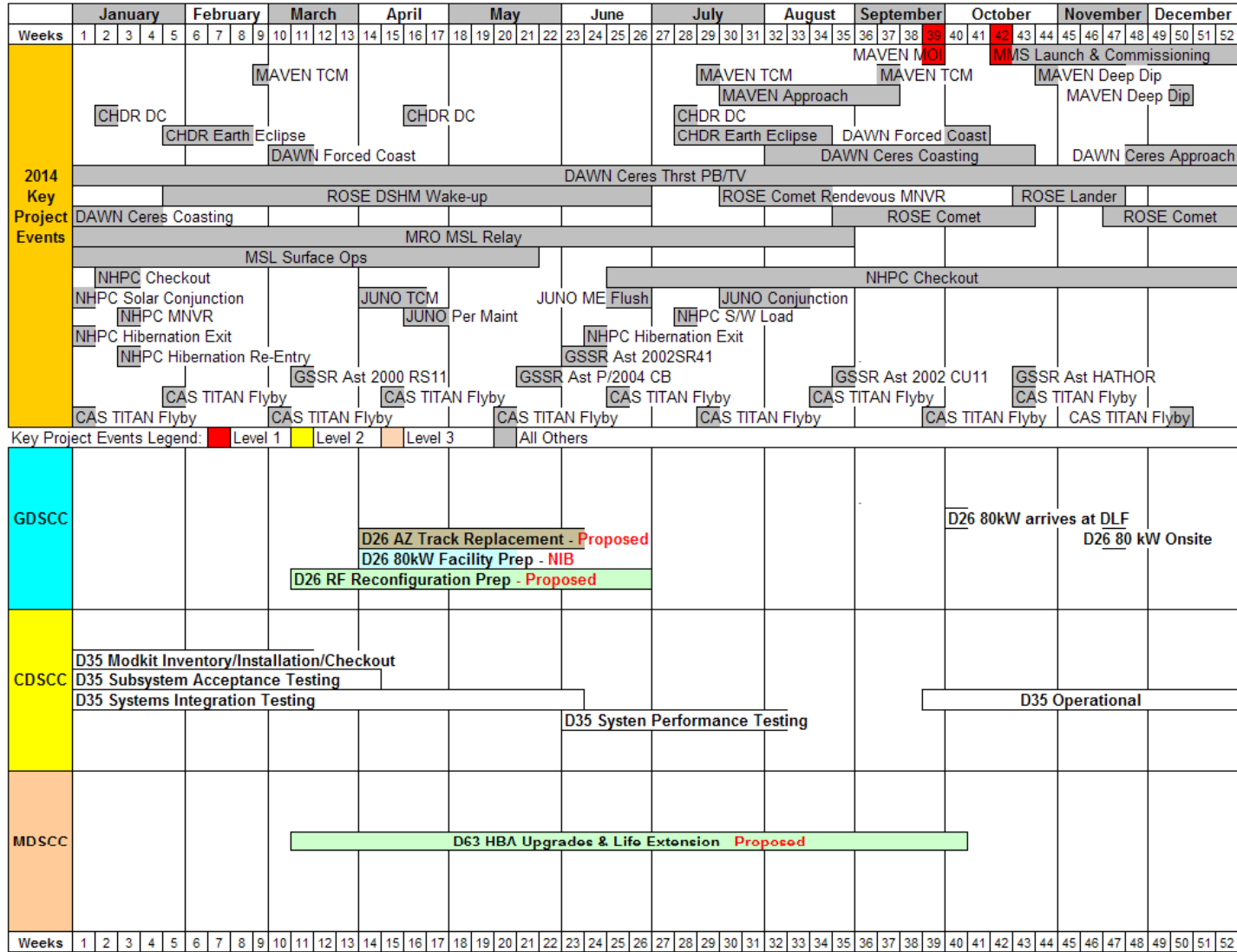
2013							
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY
DSS 43	HBA antenna upgrades Phase 2 - Proposed	01/07/2013 00:00	07/16/2013 00:00	189	02 - 29	7	196
DSS 55	Cable Wrap Protection - NIB	01/14/2013 00:00	01/17/2013 00:00	3	03 - 03	14	17
DSS 55	Antenna Controller Replacement - Proposed	01/14/2013 00:00	02/17/2013 00:00	34	03 - 07	14	48
SPC 60	DPS Maintenance - Proposed	01/23/2013 05:00	01/23/2013 17:00	0	04 - 04	23	23
SPC 60	DPS Maintenance - Proposed	02/27/2013 05:00	02/27/2013 17:00	0	09 - 09	58	58
SPC 60	DPS Maintenance - Proposed	03/27/2013 05:00	03/27/2013 17:00	0	13 - 13	86	86
DSS 24	AZ Track Replacement - Proposed	04/22/2013 00:00	06/30/2013 00:00	69	17 - 26	112	181
SPC 60	DPS Maintenance - Proposed	04/24/2013 05:00	04/24/2013 17:00	0	17 - 17	114	114
SPC 60	DPS Maintenance - Proposed	05/29/2013 05:00	05/29/2013 17:00	0	22 - 22	149	149
SPC 60	DPS Maintenance - Proposed	06/26/2013 05:00	06/26/2013 17:00	0	26 - 26	177	177
DSS 63	Grouting - Proposed	09/02/2013 00:00	09/17/2013 00:00	15	36 - 38	245	260



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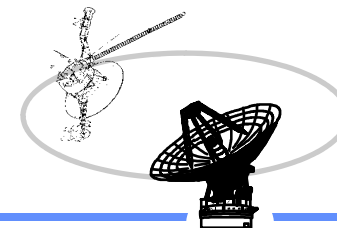
- 2014 -



Revised: September 29, 2011



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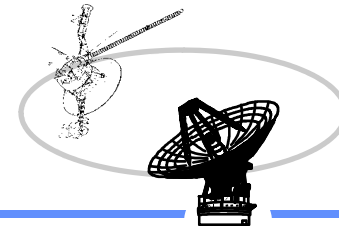
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DSN Downtime 2014

2014							
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY
DSS 63	HBA Upgrades and Life Extension - Proposed	03/10/2014 00:00	10/05/2014 00:00	209	11 - 40	69	278
DSS-26	RF Reconfiguration Prep - Proposed	03/10/2014 00:00	06/30/2014 00:00	112	11 - 26	69	181
DSS 26	80 kW Facility Prep - NIB	03/31/2014 00:00	05/18/2014 00:00	48	14 - 20	90	138
DSS 26	AZ Track Replacement - Proposed	03/31/2014 00:00	06/08/2014 00:00	69	14 - 23	90	159



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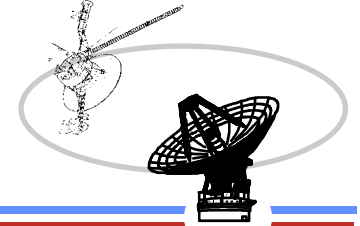
DSN Downtime 2015

2015							
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY
DSS 25	AZ Track Replacement - Proposed	03/31/2015 00:00	06/07/2015 00:00	68	14 - 23	90	158



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Deep Space Network (DSN)
Resource Allocation Planning Service



Antenna Downtime Status and Forecast

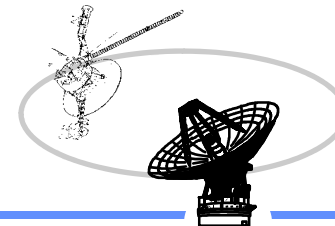
The following are downtimes for 2015 – 2016

- ❑ AZ Track Replacement is requested for DSS-25 and 55
 - ❑ DSS-25 is proposed for March 31 – June 7, 2015, weeks 14 – 23
 - ❑ DSS-55 is proposed for February 1 – April 10, 2016, weeks 05 – 14
 - ❑ 80 kW Facility Preparation is scheduled NIB for February 1 – March 20, weeks 05 – 11
 - ❑ **Reconfiguration Prep is proposed for February 1 – May 23, weeks 05 – 20**



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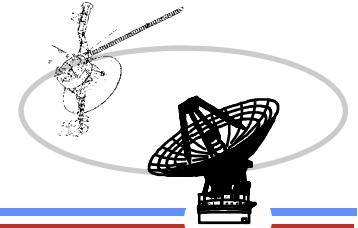
- 2016 -

	January	February	March	April	May	June	July	August	September	October	November	December
Weeks	1 2 3 4	5 6 7 8	9 10 11 12 13	14 15 16 17	18 19 20 21	22 23 24 25 26	27 28 29 30	31 32 33 34	35 36 37 38 39	40 41 42 43	44 45 46 47	48 49 50 51 52
2016 Key Project Events	ExoMars	NHPC Solar Conjunction	NHPC Pluto Science PB	NHPC Kuiper Belt Approach	MMS Phase 1 Maneuver	JUNO Approach	JUNO TCM	JUNO Capture Orbit	JUNO Conjunction	JUNO Orbit Ops		Orion Launch
							JUNO JOI					
								NHPC Kuiper Belt Encounter		JUNO PRM		JUNO Gravity Sci
Key Project Events Legend:	 Level 1 Level 2 Level 3 All Others											
GDSCC												
CDSCC	D35 Install 80kW D35 80kW Test D35 DDR											
MDSCC	D55 AZ Track Replacement - Proposed D55 80 kW Facility Prep NIB D55 RF Reconfiguration Prep - Proposed D55 80kW to DLF D55 80kW on site											
Weeks	1 2 3 4	5 6 7 8	9 10 11 12 13	14 15 16 17	18 19 20 21	22 23 24 25 26	27 28 29 30	31 32 33 34	35 36 37 38 39	40 41 42 43	44 45 46 47	48 49 50 51 52

Revised: September 30, 2011



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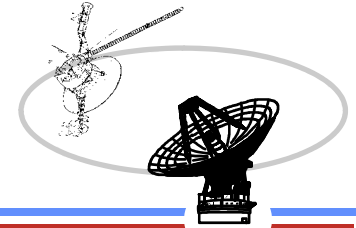
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DSN Downtime 2016

2016							
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY
DSS 55	80 kW Facility Prep - NIB	02/01/2016 00:00	03/20/2016 00:00	48	05 - 11	32	80
DSS 55	AZ Track Replacement - Proposed	02/01/2016 00:00	04/10/2016 00:00	69	05 - 14	32	101
DSS-55	RF Reconfiguration Prep - Proposed	02/01/2016 00:00	05/23/2016 00:00	112	05 - 20	32	144



Interplanetary Network Directorate (IND) Deep Space Network (DSN) Resource Allocation Planning Service

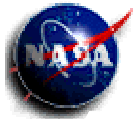


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- 2017 -

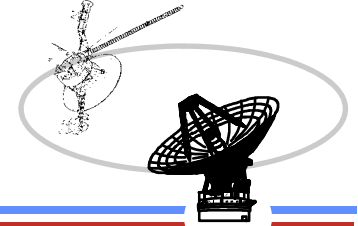
	January				February				March				April				May				June				July				August				September				October				November				December															
Weeks	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52								
2017 Key Project Events	MMS Phase 2b Maneuver								MMS Disposal								JUNO Orbit Ops/Gravity Sci																																								JUNO Deorbit			
	CAS TITAN Flyby																																																											
Key Project Events Legend: ■ Level 1 ■ Level 2 ■ Level 3 ■ All Others																																																												
GDSCC																																																												
CDSCC																																																												
MDSCC	D55 Install 80kW																								D55 Test 80kW												D55 DDR																							
Weeks	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52								

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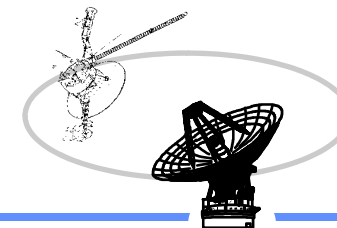


Future assets new/upgrades

- ❑ DSS-35 Installation and Operational 2013 – 2014
 - ❑ Modkit Installation October 1, 2013 – March 14, 2014 weeks 40 – 11
 - ❑ Acceptance Testing November 22, 2013 – April 4, 2014, weeks 47 – 14
 - ❑ System Integration Testing December 17, 2013 – June 2, 2014 weeks 51 – 23
 - ❑ Operations Systems Performance Testing June 2, 2014 – August 15, 2014, weeks 23 – 33
 - ❑ Operational September 26, 2014
- ❑ DSS-26 80kW Installation 2014 – 2015
 - ❑ 80kW arrive at DLF October, 2014, week 40
 - ❑ 80kW arrive on-site November, 2014, week 47
 - ❑ 80kW install January – June, 2015, weeks 02 – 25
 - ❑ 80 kW test June – September, 2015, weeks 24 – 36
 - ❑ DDR September, 2015, week 38
- ❑ DSS-35 80kW Installation 2016 – A placeholder has been set awaiting dates
- ❑ DSS-36 Installation and Operational 2016 – A placeholder has been set awaiting dates
- ❑ DSS-55 80kW Installation 2016 – 2017
 - ❑ 80kW Facility Prep – February 2016, weeks 05 – 10
 - ❑ 80kW at DLF September, 2016, week 39
 - ❑ 80kW on-site November, 2016, week 47
 - ❑ 80kW install January – June, 2017, weeks 01 – 24
 - ❑ 80kW test June – September, 2017, weeks 24 – 37
 - ❑ DDR September, 2017, week 39



Interplanetary Network Directorate (IND) Deep Space Network (DSN) Resource Allocation Planning Service



Antenna Downtime Status and Forecast

Complex	Station	Subnet	S-Band		X-Band		Ka-Band		Ka Phase 2	X-Band ACQ AID	80KW
			Down	Up	Down	Up	Down	Up			
10	DSS-27	34HSB	✓	✓	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10	DSS-24	34B1	✓	✓	✓	✓	N/A	N/A	✓	✓	N/A
40	DSS-34	34B1	✓	✓	✓	✓	✓	N/A	✓	✓	N/A
60	DSS-54	34B1	✓	✓	✓	✓	✓	N/A	✓	✓	N/A
10	DSS-25	34B2	N/A	N/A	✓	✓	✓	05/17/11	N/A	N/A	10/01/15
10	DSS-26	34B2	N/A	N/A	✓	✓	✓	N/A	N/A	N/A	N/A
40	DSS-35*	34B2	N/A	N/A	11/01/14	11/01/14	11/01/14	N/A	N/A	N/A	11/01/16
40	DSS-36*	34B2	N/A	N/A	11/01/16	11/01/16	11/01/16	N/A	N/A	N/A	N/A
60	DSS-55	34B2	N/A	N/A	✓	✓	✓	N/A	N/A	N/A	10/01/17
10	DSS-15	34HEF	✓	N/A	✓	✓	N/A	N/A	N/A	N/A	N/A
40	DSS-45	34HEF	✓	✓	✓	✓	N/A	N/A	N/A	N/A	N/A
60	DSS-65	34HEF	✓	✓	✓	✓	N/A	N/A	N/A	N/A	N/A
10	DSS-14	70M	✓	✓	✓	✓	N/A	N/A	N/A	N/A	N/A
40	DSS-43	70M	✓	✓	✓	✓	N/A	N/A	N/A	N/A	N/A
60	DSS-63	70M	✓	✓	✓	✓	N/A	N/A	N/A	N/A	N/A

N/A = Capability Not Planned

xx/xx/xx = Capability Date Recently Changed

As of: 8/4/2011

✓ ✓ ✓ = Capability Recently Exists

✓ = Capability Exists

* = To Be Commissioned