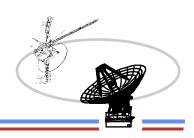
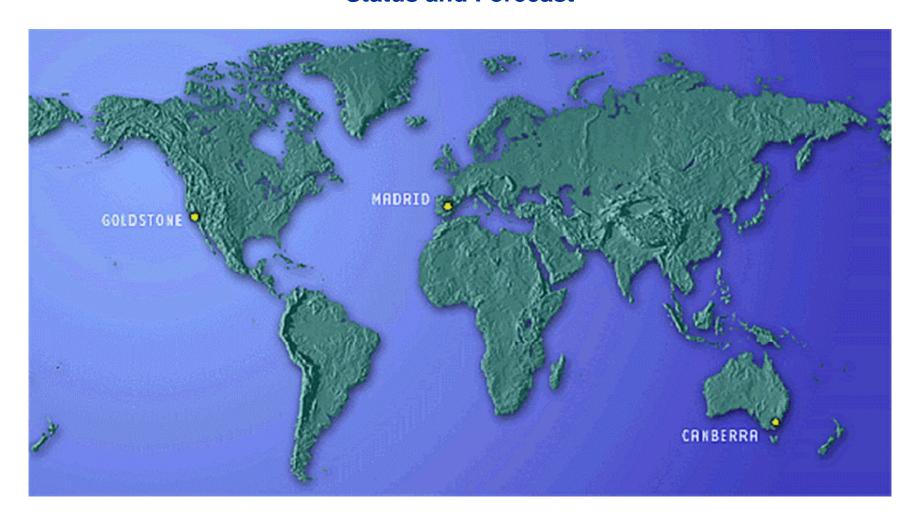


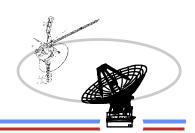
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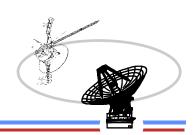
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Revised: June 5, 2012

	January	February	March	April	May	June	July	August	September	October	November	December
Weeks			9 10 11 12 13	14 15 16 17	18 19 20 21 2	2 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
	GRAIL A/B F		MSL TCM MSL INST		FSW Update MSL TCM/		G C/O 1 ENG C/O 2	MSL TCM/EDL				
	VEX Drac			AIL A/B Scie			ISL Approach	INISE EDE		ASL Surface	One	
	VLX DIA	J F d S S	DAWN Ves		ince		AWN Vesta D	enart		VIOL Sullace	DAWN Forced	Cnast
	GSSR A	st 1991 VK	GSSR Venus		зт іс		M GSSR As			Dawn C	eres Thrust	Coust
			KEPL MS KE				EPL QR/MS		PL MS	KEPL QR/M	S KEPL MS	
		NO TCM			WIND TCM			JUNO D		KEPL MS	WIND TCM VE	X Drag Pass
2012			SR Ast 2011 CP		R OCM	SSR Ast 200	7 LE WIND TO				GSSR Ast 2007	
Key	CHDR DO		MSGR TCM/OC	M CHDR DO	GSSR Ast		CHDR DO		A/B ECM	CHDR DO		
Project	SOHO MN	/R GSSR As	t 2000 ET70 CH	DR Earth Ec	lipse		st 2005 G021	CHDR	Earth Eclipse	;	VEX Drag Pa	ass
Events	SUNU IVI	WIND TCM		SOHO KH	CCCD Act	1998 HE3 S	M010 Relay			SOHO KH	l	SOHO KH
		PC Enter Hib		SOHO M	NVD		MNVR				l RAst 1998 ST49	
	NHPC Exit I		VGR1 DTR P	B (20110 III)	NHPC	Checkout		t 2002 AM31	301101	VIIV <u>VICIOS</u> SIN	NHP	C Solar Conj
	NHPC Solar		NHPC	Exit Hibernat				Hibernation CA	S Atmospher	ic Occ GS		
		GSSR Ast 2		NHPC :	S/W Load	NHPC 2TWTA	CASS	Saturn Rings Oc		DIF TCM	VGR1 DTR PB]
		Radio Occul		_	CAS TITAN	CAS Saturn	Rings Occ	CAS Saturn	Rings Occ V	GR1 DTR PB	CAS Saturn	Rings Occ
		INVR CAST		CAS EN	CELADUS CA	S TITAN C	AS Saturn Rin	igs Occ	GSSR Ast 1		GSSR Ast	
Karr Dasi	CAS IIIAN ect Events Le	CAS TITAN			CAS ENCELA		xperiment CA	SIIIAN	CA	S TITAN C	AS IIIAN CA	S TITAN
Key Proj	ect Events Le		vel 1 Level 2 D15 TXR Manife				ntenna Inspe	ection				1
			D15Chiller Rep			VMC Accepta						
			mer kep	ideoment	Complex I			। ller Replaceme	nt			
GDSCC		D26 Antenn	a Controller Re	placement	DCD - N	IB D25 Lig	htning Surve					
			MC Test D26		- NIB Comple	x NMC Soak	Test					
		Com	plex NMC Test			d Tuner Rep	lacement					
			70M Tune		D24 APCA		ļ .					
			D14 Plug	Seal Repla	cement -NIB	<u> </u>	Baldor Ampli	fier Expansion	Board Instal	ation		
									Comr	Joy Dowerh	 ouse Commiss	ion
						C	omplex NMC	Soak Test	Comp	iex i oweiii		
CDSCC		D43 70M	Tune-up/Cal				D - NIB					
		DPS Pov	ver Upgrade		5 XTXR Manife			ent				
		_		D4	5 AMP/CW Ins						D43 HE	3A Upgrade
								Expansion Bo	ard Installati	on		
						D34 X/K	a Cooldown	- NIB				
		DC	3 Grouting		DCE VT	 VD M:6-1-1/	 					
			3 70M Tune-up/	Cal NIB		NK Manifold/ P/CW Install	Waterload R	epiacement 				
MDSCC		Do	Tune-up/	Cai - Nib	DOJ A		l Power Rec	 onfiguration	D54 AZ T	rack Replac	ement/ACR	
			D5:	5 Chiller Flu	ish		1		D54 Ligh	tning Surve	y - NIB	
						l			D54 AMP	Implement	ation - NIB	
							plex NMC So	ak Test				
						DCD						
Weeks	1 2 3 4	5 6 7 8	9 10 11 12 13	14 15 16 17	18 19 20 21 2	2 23 24 25 26	3 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 -

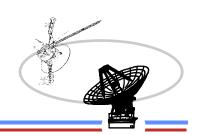




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	2012									
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY			
DSS 65	Critical Power Reconfiguration	06/07/2012 02:35	06/08/2012 16:30	2	23 - 23	159	160			
DSS 25	Antenna Controller Replacement	06/11/2012 13:00	07/15/2012 01:00	34	24 - 28	163	197			
DSS 25	Lightning Survey - NIB	06/11/2012 13:00	07/15/2012 01:00	34	24 - 28	163	197			
DSS 34	AMP Installation	06/13/2012 22:00	06/16/2012 06:25	2	24 - 24	165	168			
DSS 34	X/Ka Cool Down - NIB	06/13/2012 22:00	06/16/2012 06:25	2	24 - 24	165	168			
DSS 15	AMP Installation	06/21/2012 08:00	06/22/2012 22:00	2	25 - 25	173	174			
SPC 60	DCD 229 - NIB	06/23/2012 21:25	06/24/2012 03:25	0	25 - 25	175	176			
SPC 60	NMC D2.2 SOAK	06/23/2012 21:25	06/24/2012 03:25	0	25 - 25	175	176			
SPC 40	DCD 229 - NIB	06/27/2012 23:10	06/28/2012 05:10	0	26 - 26	179	180			
SPC 40	NMC D2.2 SOAK	06/27/2012 23:10	06/28/2012 05:10	0	26 - 26	179	180			
DSS 54	AMP Installation - NIB	09/10/2012 05:00	11/25/2012 18:00	77	37 - 47	254	330			
DSS 54	AZ TRK/ACR Replacement	09/10/2012 05:00	11/25/2012 18:00	77	37 - 47	254	330			
DSS 54	Lightning Survey - NIB	09/10/2012 05:00	11/25/2012 18:00	77	37 - 47	254	330			
DSS 43	HBA Upgrade and Life Extension	11/12/2012 19:00	06/10/2013 07:00	210	46 - 24	317	161			
SPC 40	Powerhouse Commission	12/04/2012 04:15	12/04/2012 07:15	0	49 - 49	339	339			
SPC 40	Powerhouse Commission	12/04/2012 21:00	12/05/2012 00:00	0	49 - 49	339	340			
SPC 40	Powerhouse Commission	12/05/2012 21:00	12/06/2012 00:00	0	49 - 49	340	341			
SPC 40	Powerhouse Commission	12/06/2012 21:00	12/07/2012 00:00	0	49 - 49	341	342			

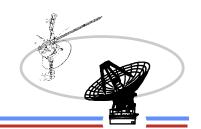




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The following are downtimes for 2012
☐ SPC-10, 40 and 60 requested 4 – 6 hour complex wide downtime for NMC D2.2
Test and SOAK in 2012 - SPC -10 Completed
☐ SPC-10 acceptance testing was scheduled in week 19 and SOAK in week 20
Data Capture and Delivery (DCD 229) was scheduled NIB to SOAK in week 20, the
NOCC was also be down during this time frame, all data at the complexes was
recorded and sent later.
□ SPC-60 SOAK is scheduled for week 25
 Data Capture and Delivery (DCD 229) will be scheduled NIB SPC-40 SOAK is scheduled for week 26
☐ Data Capture and Delivery (DCD 229) will be scheduled NIB
Data Supraire and Delivery (DSD 223) will be softedured 1415
DSS-45 and DSS-65 requested 10 days of downtime in 2012 for Waterload and
XTXR Manifold Replacement - Completed
☐ DSS-45 was scheduled for weeks 17 – 19
□ DSS-45 had additional downtime hours added for adequate testing of the Antenna
Servo Amplifier. DSS-65 was scheduled for May 16 – 26, weeks 20 and 21.
☐ ECR 11.0070 (Baldor amplifier expansion board installation) and ECR 10.0014 (Cable Wrap
Protection) implementation was be NIB
□ DSS-24 S-Band Tuner Replacement downtime requested - Completed
☐ Three and ½ days was scheduled for week 19
☐ APCA OP-C will be NIB.

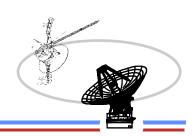




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The following are downtimes for 2012 (continued)
☐ SPC-10 request a 24 hour downtime on each antenna for inspection - Completed ☐ Antennas include DSS-14, 15, 24, 25, 26 and 27
■ Week 20 inspection times were proposed for 8 hours NIB to maintenance plus 8 hours swing shift ,except for DSS-24, (only 8 hours NIB to maintenance)
□ Week 21 inspection times were proposed for 8 hours NIB to maintenance except DSS-24 (8 hours NIB to maintenance plus 8 hours swing shift)
 □ DSS-65 Critical Power Reconfiguration downtime requested □ Scheduled for June 7 and 8, week 23
 □ DSS-34 and DSS-15 ECR 11.0070 Baldor amplifier expansion board installation □ DSS-34 Scheduled for June 13 – 16, week 24
 X/Ka Cool down scheduled NIB DSS-15 is scheduled for June 21 and 22, week 25 – Moved from 2013 timeframe
□ BWG Antenna Controller Replacement
 DSS-25 is scheduled for June 11 – July 15, 2012, weeks 24 – 28 Lightning Survey will be NIB
□ DSS-54 ACR and AZ Track Replacement is scheduled for September 10 – November 25 2012, weeks 37 – 47
Lightning Survey will be NIBECR 11.0070 (Baldor amplifier expansion board installation) will be NIB



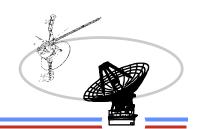


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The following are downtimes for 2012 (continued)
☐ SPC-40 requests 4 blocks of 3 hour complex wide downtime for Power House Commission
☐ Week 49 is scheduled, Four days for 3 hours

- □ DSS-43 HBA Upgrade and Life Extension downtime is scheduled
 □ DSS-43 HBA Upgrade downtime is scheduled as one continuous downtime for week 46 of 2012 to week 23 of 2013
 - ☐ S-Band Maser Replacement will be NIB
 - Power ECO will be scheduled NIB

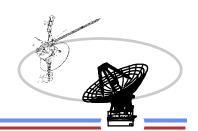




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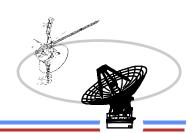
he following are downtimes for 2013 – 2014
□ SPC-60 requests six 10 hour blocks of Complex Wide Downtime for Power Cutover from January – June of 2013
 □ Downtimes are proposed for the following weeks – prime shift hours are requested. □ Weeks 04, 09,13,17,22 and 26
□BWG Antenna Controller Replacement for 2013
☐ DSS-55 is proposed for February 18 – March 25, weeks 08 – 13
☐ ECR 11.0070 (Baldor amplifier expansion board installation) will be NIB
 SPC-10 requests four 10-hour blocks of Complex Wide downtime for G86 Power Cutover and two 12-hour blocks of downtime for Power Robustness in 2013 G86 Power cutover downtimes are proposed for the following weeks – night hours are
acceptable.
☐ Weeks 14, 19, 24 and 31
Power Robustness is proposed for the following weeks
weeks 31 and 32
 One of the Power robustness downtimes could co-exist with G86 power cutover, proposed for week 31
□ SPC-10 requests one 6 – 8 hour complex wide downtime for NMC Automated Link Build (ALB)
Proposed for March 21, 2013, week 12
- I TOPOSECTOT MATORIZE, ZUTS, WEEK IZ





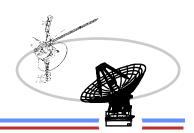
The following are downtimes for 2013 – 2014 (continued) □ SPC-40 request 8 blocks of 3 hour complex downtime for Power House Commission in 2013. The following weeks are proposed □ Five blocks, 3 hours in April, week 16 □ Three blocks, 3 hours in April/May, week 18
 □ AZ Track Replacement downtime is requested for DSS-24 and DSS-26 □ DSS-24 is proposed for March 25 – June 3, 2013, weeks 13 – 22 □ 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, weeks14 – 20
 □ SPC-40 request a 24 hour downtime on each antenna for inspection in 2013 □ Antennas include DSS- 34, 43 and 45 □ Week 23 inspection times are proposed for 8 hours NIB to maintenance plus 8 hours swing shift – Except DSS-43 which will be done during HBA downtime □ Week 24 inspection times are proposed for 8 hours NIB to maintenance



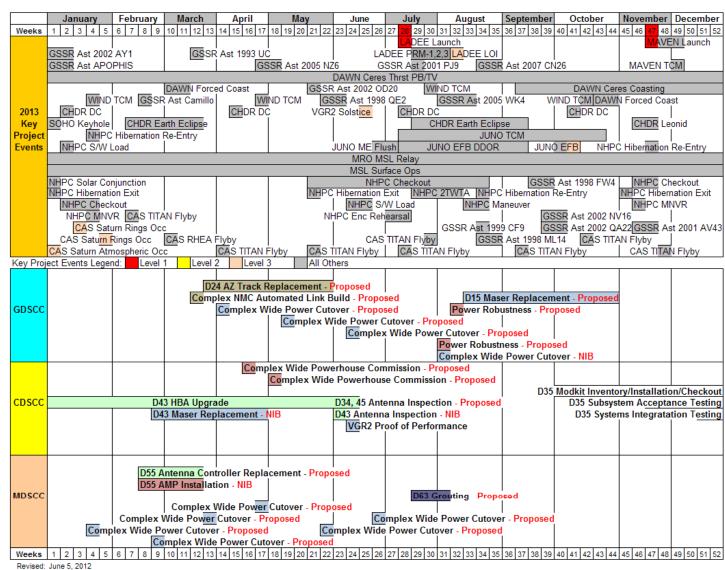


The following are downtimes for 2013 – 2014 (continued) □ DSS-63 downtime for Grouting 2013 □ Proposed for July 15 – August 2, weeks 29 – 31 □ Note: Stand alone Grouting typically requires 15 days, however, 3 additional days have been requested
 DSS-15 Maser Replacement is requested for 2013 Seventy seven days are proposed for August 12, – November 4, weeks 33–44
 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
 □ SPC-60 request a 24 hour downtime on each antenna for inspection in 2014 □ Antennas include DSS-54, 55, 63 and 65 □ Week 40 inspection times are proposed for 8 hours NIB to maintenance plus 8 hours swing shift – Except DSS-63 which will be done during HBA downtime □ Week 41 inspection times are proposed for 8 hours NIB to maintenance

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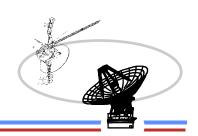


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- 2013 -

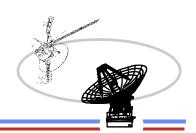




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2013									
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY		
DSS 54	Complex Power Cutover - Proposed	01/23/2013 05:00	01/23/2013 17:00	0	04 - 04	23	23		
DSS 55	Complex Power Cutover - Proposed	01/23/2013 05:00	01/23/2013 17:00	0	04 - 04	23	23		
DSS 63	Complex Power Cutover - Proposed	01/23/2013 05:00	01/23/2013 17:00	0	04 - 04	23	23		
DSS 65	Complex Power Cutover - Proposed	01/23/2013 05:00	01/23/2013 17:00	0	04 - 04	23	23		
DSS 55	AMP Installation - NIB	02/18/2013 00:00	03/25/2013 00:00	35	08 - 13	49	84		
DSS 55	Antenna Controller Replacement - Proposed	02/18/2013 00:00	03/25/2013 00:00	35	08 - 13	49	84		
DSS 43	Maser Replacement - NIB	02/25/2013 05:00	04/25/2013 17:00	60	09 - 17	56	115		
DSS 54	Complex Power Cutover - Proposed	02/27/2013 05:00	02/27/2013 17:00	0	09 - 09	58	58		
DSS 55	Complex Power Cutover - Proposed	02/27/2013 05:00	02/27/2013 17:00	0	09 - 09	58	58		
DSS 63	Complex Power Cutover - Proposed	02/27/2013 05:00	02/27/2013 17:00	0	09 - 09	58	58		
DSS 65	Complex Power Cutover - Proposed	02/27/2013 05:00	02/27/2013 17:00	0	09 - 09	58	58		
SPC 10	NMC Automated Link Build - Proposed	03/21/2013 00:00	03/21/2013 06:00	0	12 - 12	80	80		
DSS 24	AZ Track Replacement - Proposed	03/25/2013 00:00	06/03/2013 00:00	70	13 - 23	84	154		
DSS 54	Complex Power Cutover - Proposed	03/27/2013 05:00	03/27/2013 17:00	0	13 - 13	86	86		
DSS 55	Complex Power Cutover - Proposed	03/27/2013 05:00	03/27/2013 17:00	0	13 - 13	86	86		
DSS 63	Complex Power Cutover - Proposed	03/27/2013 05:00	03/27/2013 17:00	0	13 - 13	86	86		
DSS 65	Complex Power Cutover - Proposed	03/27/2013 05:00	03/27/2013 17:00	0	13 - 13	86	86		
SPC 10	Complex Power Cutover - Proposed	04/01/2013 15:00	04/02/2013 01:00	0	14 - 14	91	92		
SPC 40	Powerhouse Commission - Proposed	04/15/2013 21:00	04/16/2013 00:00	0	16 - 16	105	106		
SPC 40	Powerhouse Commission - Proposed	04/16/2013 21:00	04/17/2013 00:00	0	16 - 16	106	107		
SPC 40	Powerhouse Commission - Proposed	04/17/2013 21:00	04/18/2013 00:00	0	16 - 16	107	108		
SPC 40	Powerhouse Commission - Proposed	04/19/2013 21:00	04/20/2013 00:00	0	16 - 16	109	110		
DSS 54	Complex Power Cutover - Proposed	04/24/2013 05:00	04/24/2013 17:00	0	17 - 17	114	114		
DSS 55	Complex Power Cutover - Proposed	04/24/2013 05:00	04/24/2013 17:00	0	17 - 17	114	114		

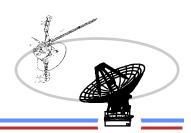




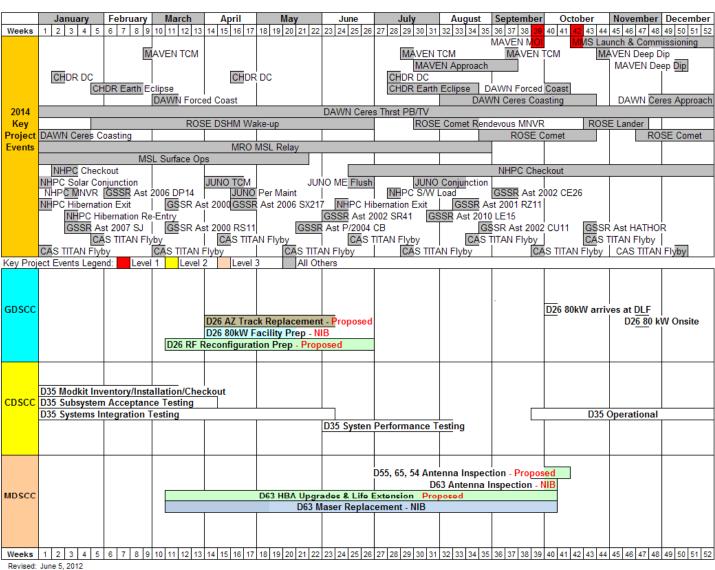
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		2013					
DSS 63	Complex Power Cutover - Proposed	04/24/2013 05:00	04/24/2013 17:00	0	17 - 17	114	114
DSS 65	Complex Power Cutover - Proposed	04/24/2013 05:00	04/24/2013 17:00	0	17 - 17	114	114
SPC 40	Powerhouse Commission - Proposed	04/29/2013 21:00	04/30/2013 00:00	0	18 - 18	119	120
SPC 40	Powerhouse Commission - Proposed	04/30/2013 21:00	05/01/2013 00:00	0	18 - 18	120	121
SPC 40	Powerhouse Commission - Proposed	05/01/2013 21:00	05/02/2013 00:00	0	18 - 18	121	122
SPC 10	Complex Power Cutover - Proposed	05/06/2013 15:00	05/07/2013 01:00	0	19 - 19	126	127
DSS 54	Complex Power Cutover - Proposed	05/29/2013 05:00	05/29/2013 17:00	0	22 - 22	149	149
DSS 55	Complex Power Cutover - Proposed	05/29/2013 05:00	05/29/2013 17:00	0	22 - 22	149	149
DSS 63	Complex Power Cutover - Proposed	05/29/2013 05:00	05/29/2013 17:00	0	22 - 22	149	149
DSS 65	Complex Power Cutover - Proposed	05/29/2013 05:00	05/29/2013 17:00	0	22 - 22	149	149
DSS 43	Antenna Inspection - Proposed	06/03/2013 22:00	06/04/2013 14:00	1	23 - 23	154	155
DSS 34	Antenna Inspection - Proposed	06/04/2013 22:00	06/05/2013 14:00	1	23 - 23	155	156
DSS 45	Antenna Inspection - Proposed	06/05/2013 22:00	06/06/2013 14:00	1	23 - 23	156	157
SPC 10	Complex Power Cutover - Proposed	06/10/2013 15:00	06/11/2013 01:00	0	24 - 24	161	162
DSS 34	Antenna Inspection - Proposed	06/11/2013 22:00	06/12/2013 06:00	0	24 - 24	162	163
DSS 45	Antenna Inspection - Proposed	06/12/2013 22:00	06/13/2013 06:00	0	24 - 24	163	164
DSS 54	Complex Power Cutover - Proposed	06/27/2013 05:00	06/27/2013 17:00	0	26 - 26	178	178
DSS 55	Complex Power Cutover - Proposed	06/27/2013 05:00	06/27/2013 17:00	0	26 - 26	178	178
DSS 63	Complex Power Cutover - Proposed	06/27/2013 05:00	06/27/2013 17:00	0	26 - 26	178	178
DSS 65	Complex Power Cutover - Proposed	06/27/2013 05:00	06/27/2013 17:00	0	26 - 26	178	178
DSS 63	Grouting - Proposed	07/15/2013 00:00	08/02/2013 00:00	18	29 - 31	196	214
SPC 10	Complex Power Cutover - NIB	07/29/2013 15:00	07/30/2013 01:00	0	31 - 31	210	211
SPC 10	Power Robustness - Proposed	07/29/2013 15:00	07/30/2013 03:00	0	31 - 31	210	211
SPC 10	Power Robustness - Proposed	08/06/2013 15:00	08/07/2013 03:00	0	32 - 32	218	219
DSS 15	Maser Replacement - Proposed	08/12/2013 14:00	11/04/2013 01:00	83	33 - 45	224	308

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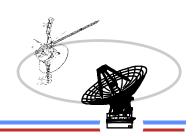


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- 2014 -





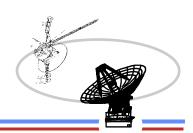
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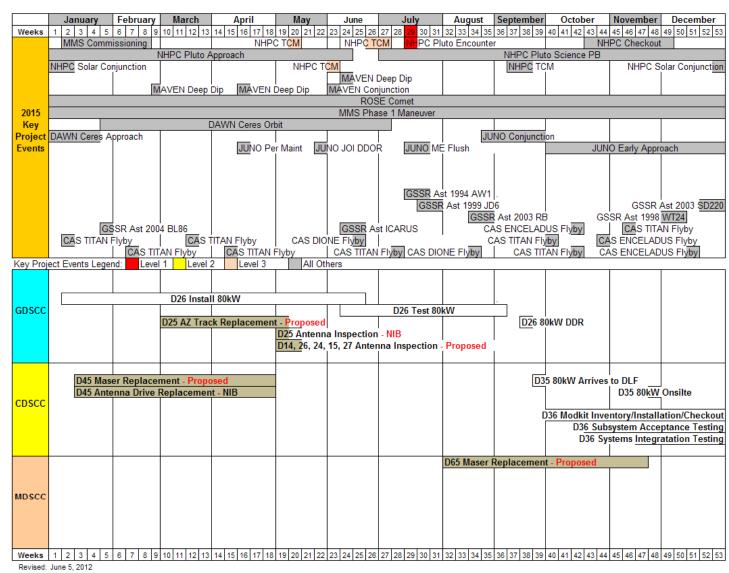
	2014									
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY			
DSS 26	RF Reconfiguration Prep - Proposed	03/10/2014 00:00	06/29/2014 00:00	111	11 - 26	69	180			
DSS 63	HBA Upgrades and Life Extension - Proposed	03/10/2014 00:00	10/05/2014 00:00	209	11 - 40	69	278			
DSS 63	S-Band Maser Replacement - NIB	03/10/2014 00:00	10/05/2014 00:00	209	11 - 40	69	278			
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			
DSS 55	Antenna Inspection - Proposed	09/29/2014 07:00	09/29/2014 23:00	1	40 - 40	272	272			
DSS 65	Antenna Inspection - Proposed	09/30/2014 07:00	09/30/2014 23:00	1	40 - 40	273	273			
DSS 63	Antenna Inspection - Proposed	10/01/2014 07:00	10/01/2014 23:00	1	40 - 40	274	274			
DSS 54	Antenna Inspection - Proposed	10/03/2014 07:00	10/03/2014 23:00	1	40 - 40	276	276			
DSS 55	Antenna Inspection - Proposed	10/06/2014 07:00	10/06/2014 16:30	0	41 - 41	279	279			
DSS 65	Antenna Inspection - Proposed	10/07/2014 07:00	10/07/2014 16:30	0	41 - 41	280	280			
DSS 54	Antenna Inspection - Proposed	10/10/2014 07:00	10/10/2014 16:30	0	41 - 41	283	283			

- 2015 -

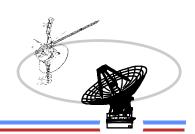
Interplanetary Network Directorate (IND) Deep Space Network (DSN)

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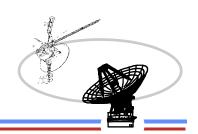




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	2015									
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY			
DSS 45	Antenna Drive Replacement - NIB	01/12/2015 00:00	05/04/2015 00:00	112	03 - 19	12	124			
DSS 45	Maser Replacement - Proposed	01/12/2015 00:00	05/04/2015 00:00	112	03 - 19	12	124			
DSS 25	AZ Track Replacement - Proposed	03/02/2015 00:00	05/11/2015 00:00	70	10 - 20	61	131			
DSS 14	Antenna Inspection - Proposed	05/04/2015 15:00	05/05/2015 06:00	1	19 - 19	124	125			
DSS 26	Antenna Inspection - Proposed	05/05/2015 15:00	05/06/2015 06:00	1	19 - 19	125	126			
DSS 25	Antenna Inspection - NIB	05/06/2015 15:00	05/07/2015 06:00	1	19 - 19	126	127			
DSS 15	Antenna Inspection - Proposed	05/07/2015 15:00	05/08/2015 06:00	1	19 - 19	127	128			
DSS 27	Antenna Inspection - Proposed	05/08/2015 14:00	05/08/2015 23:00	0	19 - 19	128	128			
DSS 14	Antenna Inspection - Proposed	05/11/2015 14:00	05/11/2015 23:00	0	20 - 20	131	131			
DSS 26	Antenna Inspection - Proposed	05/12/2015 14:00	05/12/2015 23:00	0	20 - 20	132	132			
DSS 24	Antenna Inspection - Proposed	05/13/2015 15:00	05/14/2015 06:00	1	20 - 20	133	134			
DSS 15	Antenna Inspection - Proposed	05/14/2015 14:00	05/14/2015 23:00	0	20 - 20	134	134			
DSS 27	Antenna Inspection - Proposed	05/15/2015 14:00	05/15/2015 23:00	0	20 - 20	135	135			
DSS 65	Maser Replacement - Proposed	08/03/2015 00:00	11/23/2015 00:00	112	32 - 48	215	327			





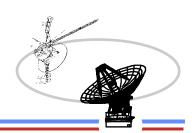
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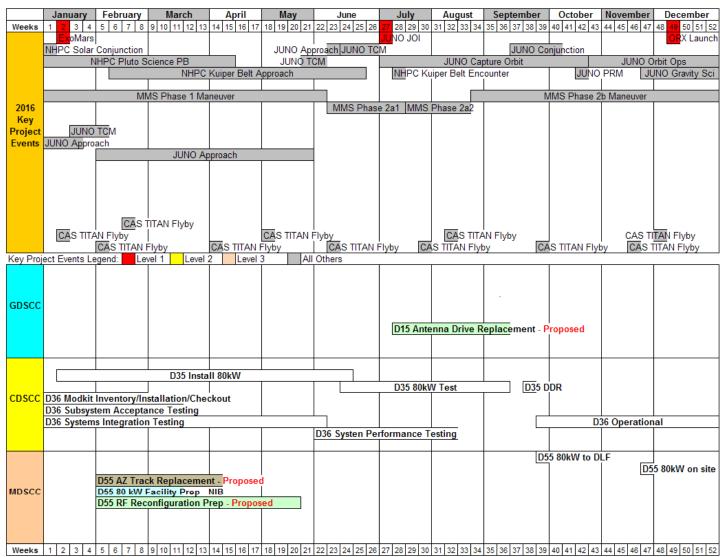
DSS-45 is proposed	as been requested for 2015 for weeks 03 – 18 e Replacement will be NIB
□ DSS-25 is proposed□ DSS-55 is proposed□ 80 kW Facility	t is requested for DSS-25 and DSS-55 for March 2 – May 11, 2015, weeks 10 – 19 for February 1 – April 10, 2016, weeks 05 – 14 y Preparation is scheduled NIB for February 1 – March 20, weeks 05 – 1 on Prep is proposed for February 1 – May 23, weeks 05 – 20
Antennas include DWeek 19 inspection swing shift, – Exce	nour downtime on each antenna for inspection in 2015 PSS-14, 15, 24, 25, 26 and 27 Itimes are proposed for 8 hours NIB to maintenance plus 8 hours pt DSS-25 which will be done during AZ Track Replacement Itimes are proposed for 8 hours NIB to maintenance
	e Replacement requested for 2016 1 – September 12, weeks 28 – 36
☐ DSS-65 Antenna Drive	Replacement requested for 2017

- 2016 -

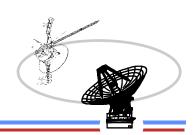
Interplanetary Network Directorate (IND) Deep Space Network (DSN)

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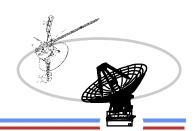
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	2016													
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY							
DSS 55	80 kW Facility Prep - NIB	02/01/2016 00:00	03/20/2016 00:00	48	05 - 11	32	80							
DSS 55	AZ Track Replacement - Proposed	02/01/2016 00:00	04/10/2016 00:00	69	05 - 14	32	101							
DSS 55	RF Reconfiguration Prep - Proposed	02/01/2016 00:00	05/23/2016 00:00	112	05 - 21	32	144							
DSS 15	Antenna Drive Replacement - Proposed	07/11/2016 00:00	09/07/2016 00:00	58	28 - 36	193	251							

- 2017 -

Interplanetary Network Directorate (IND) Deep Space Network (DSN)

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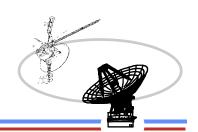


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		nuary		Feb	ruai	ry		Marc	:h	L.	Apr	il		May	у		June			July		August	5	Septe	mber	r (October		November 44 45 46 47 48	December
Weeks	1	2 3 4	!	5 6	7	8	9 10	11	12 13	14	15 1	6 17	18	19 2	20 21	22 2	3 24	25 26	27	28 29 3	0 3	32 33 34 3	35 3	6 37	38 39	40	41 42	43	44 45 46 47 48	49 50 51 52
2017 Key Project Events	ММ	S Phase		M	MS	Disp	oosal									/Gravi]NO_Dec			
Key Proj	ect E	Events L	.eg	end:		Lev	el 1		Level	2	L	AS .evel	TITAI 3	N Fly	yby All	Othe	rs				<u> </u>		 			L				
GDSCC																														
CDSCC																														
MDSCC			† 					D55	Insta	11 80	kW									D55 Te	et 8	D65 Anter	nna	Drive			ement	· Pi	roposed	
Weeks	1	2 3 4	1	5 6	7	8	9 10	11	12 13	14	15 1	6 17	18	19 2	20 21	22 2	3 24	25 26	27	28 29 3	0 3	1 32 33 34 3	35 3	6 37	38 39	40	41 42	43	44 45 46 47 48	49 50 51 5

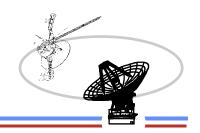
Revised: June 4, 2012





	2017													
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY							
DSS 65	Antenna Drive Replacement	08/07/2017 00:00	10/02/2017 00:00	56	32 - 40	219	275							

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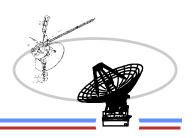
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Future assets new/upgrades

DSS	S-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	S-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	S-35 80kW Installation 2016 – A placeholder has been set awaiting dates
DSS	S-36 Installation and Operational 2016 – A placeholder has been set awaiting
date	es e
DSS	S-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 30



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Antenna Downtime Status and Forecast

			S-B	and	Х-В	and	Ka-E	Band	Ka Phase 2	X-Band	80KW	
Complex	Station	Subnet	Down	Up	Down	Up	Down	Up	Na Filase 2	ACQ AID	OUKW	
10	DSS-27	34HSB	۲	>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
10	DSS-24	34B1	۲	>	>	4	N/A	N/A	•	•	N/A	
40	DSS-34	34B1	۲	>	*	4	4	N/A	•	~	N/A	
60	DSS-54	34B1	1	>	~	•	۲	N/A	•	~	N/A	
10	DSS-25	34B2	N/A	N/A	~	•	`	*	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	1	>	~	`	N/A	N/A	N/A	N/A	N/A	
60	DSS-65	34HEF	1	>	~	•	N/A	N/A	N/A	N/A	N/A	
10	DSS-14	70M	۲	>	•	*	N/A	N/A	N/A	N/A	N/A	
40	DSS-43	70M	٨	>	*	*	N/A	N/A	N/A	N/A	N/A	
60	DSS-63	70M	>	y	•	•	N/A	N/A	N/A	N/A	N/A	

N/A = Capability Not Planned

xx/xx/xx = Capability Date Recently Changed

✓ ✓ ✓ = Capability Recently Exists

✓ = Capability Exists

As of: 1/5/2012

* = To Be Commissioned