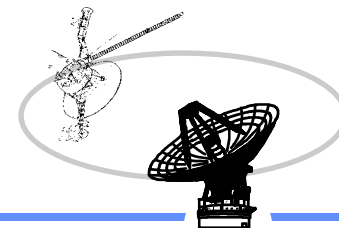


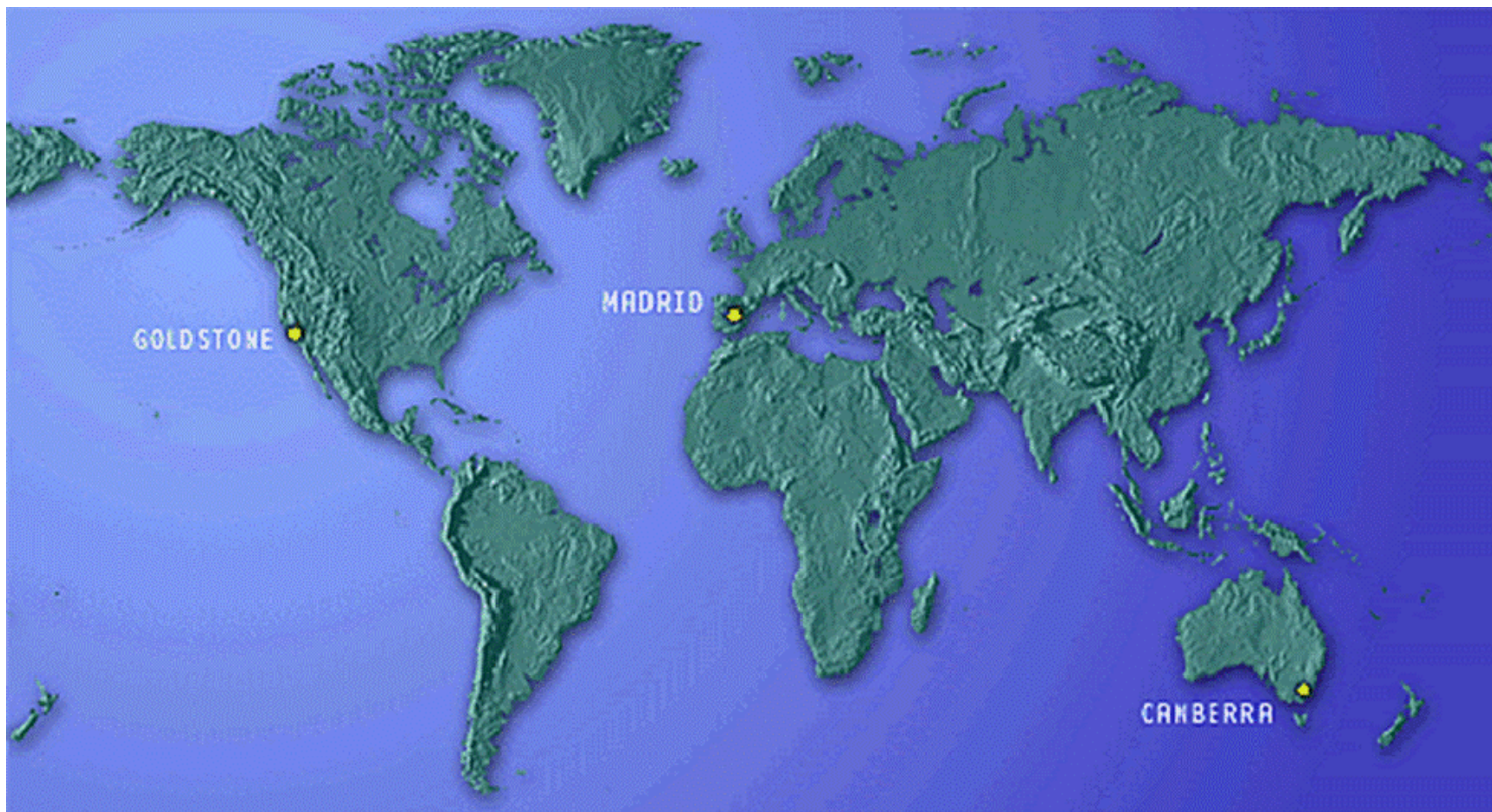


Interplanetary Network Directorate (IND)
Deep Space Network (DSN)
Resource Allocation Planning Service



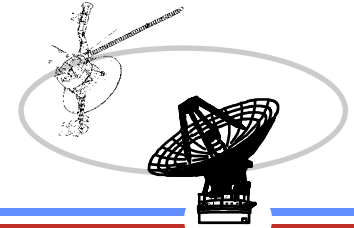
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DSN Antenna Downtime Status and Forecast





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



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	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															
2011 Key Project Events	SDU Tempel Enc		MSGR MOI		DAWN FSW		July 1 ACP Begins		THC LOI		GRAIL Launch/TCM		MSL Launch		MSL TCM	
	SDU Approach		SDU Post Enc Imaging		DAWN Vesta Approach		Vesta Orbit Survey		HAMO		DAWN Vesta Orbit LAMO					
	CHDR DC		DAWN Forced Coast		CHDR Earth Eclipse		CHDR DC		JUNO TCM		CHDR DC		CHDR Draconid Pass			
	KEPLMS DAWN Inst CO		CHDR DC		KEPLMS		CHDR LE		KEPLMS		CHDR Earth Eclipse		CHDR Leonid		KEPL QR	
	SOHO Keyhole		SOHO Keyhole MNVR		CLUII Post Eclipse		LRO LE		WIND TCM		SOHO Keyhole MNVR		GSSR Ast 2000 YA		GSSR Ast 2005 YU55	
	MSGR TCM/OCM		MSGR TCM/OCM		GSSR Ast 2009 BD		MSGR TCM/OCM		GSSR Ast 2003		QC10		GSSR Ast 1996 FG3		NHPC MNVR	
	NHPC MNVR		VGR1 DTR PB		NHPC Checkout		STF HD147506		CAS Saturn OCC		CAS ENCELADUS		NHPC CO		NHPC Solar Cor	
	ROSE Rendezvous Maneuver		NHPC CO		ROSE DSHM Entry				VGR1 DTR PB		NHPC MNVR		CAS DIONE			
	CAS RHEA		CLUII Post Eclipse		CAS TITAN		CLUII Pre/Post Eclipse		STF CoRoT-9b		CAS TITAN		GSSR Europa			
			CLUII Pre/Post Eclipse		CLUII Pre/Post Eclipse		STF CoRoT-9b		CAS TITAN		GSSR Europa					

- 2011 -

Key Project Events Legend:

Level 1 (Red), Level 2 (Yellow), Level 3 (Orange), All Others (Grey)

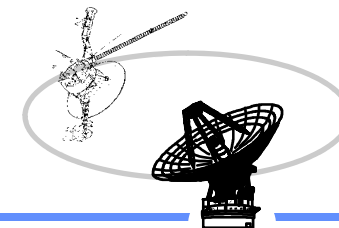
GDSCC	D15 Pintle Bearing		D15 Gear Box Replace -NIB		D24 Antenna Controller Replacement		D25 Preliminary Design Review Test - for D35		D26 RF Pattern Testing		D15 Uplink/Transmitter Calibration		D26 RF Pattern Testing	
	DPS Power Upgrade		DPS Power Upgrade		NMC Install		NMC Install		D27 Antenna Controller Replacement		250 Watt S-Band Install -NIB		Cable Wrap Protection -NIB	
CDSCC	D45 Uplink/Transmitter Calibration		D45 Heat Exchanger Level Switch Replacement		D34 Sub Reflector Position Transducer Replacement		NMC Install		DPS Maintenance		D43 AZ Box Replacement		DPS Maintenance	
	D34 Heat Exchanger Level Switch Replacement - NIB		Cable Wrap Protection -NIB		D34 Antenna Controller Replacement		DPS Maintenance		DPS Maintenance		DPS Maintenance		DPS Maintenance	
MDSCC	NMC Install		NMC Install		D55 Sub Reflector Position Transducer Replacement		D54 Sub Reflector Position Transducer Replacement		D65 Chiller Replacement		D65 Heat Exchanger Level Switch Replacement - NIB		D65 Uplink/Transmitter Calibration	
	D63 DLM		D63 GROUING -NIB		D54 BWG PLC Test		D65 Chiller Replacement		D65 Heat Exchanger Level Switch Replacement - NIB		D65 Uplink/Transmitter Calibration			

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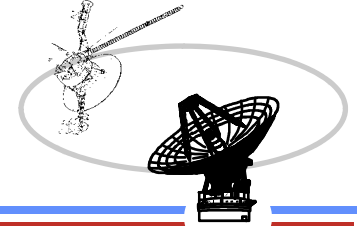
DSN Downtime 2011

2011							
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY
DSS 27	250 Watt S-Band Install - NIB	06/27/2011 17:15	07/24/2011 00:00	26	26 - 29	178	205
DSS 27	Antenna Controller Replacement	06/27/2011 17:15	07/26/2011 11:30	29	26 - 30	178	207
DSS 65	Chiller Replacement	07/06/2011 00:00	07/06/2011 15:10	1	27 - 27	187	187
DSS 65	Heat Exchanger - NIB	07/06/2011 00:00	07/06/2011 15:10	1	27 - 27	187	187
DSS 65	Chiller Replacement	07/07/2011 05:00	07/07/2011 17:00	0	27 - 27	188	188
DSS 65	Heat Exchanger - NIB	07/07/2011 05:00	07/07/2011 17:00	0	27 - 27	188	188
SPC 10	NMC Installation	07/10/2011 02:30	07/10/2011 05:30	0	27 - 27	191	191
DSS 65	Uplink/Transmitter Cal	07/20/2011 05:35	07/20/2011 19:35	1	29 - 29	201	201
DSS 65	Uplink/Transmitter Cal	07/21/2011 07:35	07/21/2011 14:35	0	29 - 29	202	202
SPC 40	DPS Maintenance	07/24/2011 22:00	07/25/2011 06:00	0	29 - 30	205	206
DSS 43	AZ Box Replacement	07/25/2011 22:00	07/28/2011 18:25	3	30 - 30	206	209
DSS 26	RF Pattern Testing	07/26/2011 15:15	07/27/2011 03:35	1	30 - 30	207	208
DSS 26	RF Pattern Testing	07/29/2011 13:00	07/29/2011 23:00	0	30 - 30	210	210
SPC 40	DPS Maintenance	08/25/2011 01:00	08/25/2011 13:00	0	34 - 34	237	237
DSS 26	RF Pattern Testing	10/03/2011 02:20	10/06/2011 02:20	3	40 - 40	276	279
SPC 40	DPS Maintenance	10/13/2011 20:00	10/14/2011 06:05	0	41 - 41	286	287
DSS 15	Uplink/Transmitter Cal	10/20/2011 10:00	10/21/2011 22:00	2	42 - 42	293	294
SPC 40	DPS Maintenance	10/24/2011 20:00	10/25/2011 08:00	0	43 - 43	297	298
SPC 40	DPS Maintenance	11/10/2011 20:00	11/11/2011 08:00	0	45 - 45	314	315



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Antenna Downtime Status and Forecast

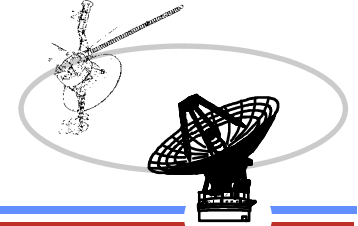
The following are downtimes for 2011

- ❑ NMC 2 – 4 hour Complex Wide Downtime
 - ❑ Goldstone NMC Task
 - ❑ Additional time is scheduled for July 10, week 27, DOY 191/0230-0530 for Automation Assembly
 - ❑ Madrid NMC Task
 - ❑ July 03, week 26 Completed
- ❑ 34HEF Uplink and Transmitter Calibration downtime is requested on DSS-65 and DSS-15 for 36 hours in 2011
 - ❑ DSS-65 is scheduled for week 29 July 20 and 21
 - ❑ DOY 201/0535 – 1935
 - ❑ DOY 202/0735 – 1435
 - ❑ DSS-15 is scheduled for week 42 October 20 – 21, DOY 293/1000 – 294/2200
- ❑ Canberra request six 8 – 12 hour blocks of Complex Wide DSCC Power Substation (DPS) Maintenance Downtime for April – November
 - ❑ Scheduled/completed for weeks listed
 - ❑ June 30, week 26, Completed
 - ❑ July 24, week 29, DOY 205/2200 – 206/0600 – Changed from week 30 due to JUNO Launch Rehearsal
 - ❑ August 25, week 34, DOY 237/0100 – 1300
 - ❑ October 13, week 41, DOY 286/2000 – 287/0605
 - ❑ October 24, week 43, DOY 297/2000 – 298/0800
 - ❑ November 10, week 45, DOY 314/2000 – 315/0800
 - ❑ There is a possibility that downtimes may be affected by GRAIL if the launch slips into week 40



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Antenna Downtime Status and Forecast

Downtimes for 2011 (continued)

- ❑ BWG Antenna Controller Replacement is requested starting in April
 - ❑ DSS-34 was **completed in week 25**
 - ❑ Heat Exchanger Replacement was scheduled NIB ending in week 24
 - ❑ DSS-27 is scheduled for June 27 – July 25, weeks 26 – 30, DOY 178/1715 – 207/1130
 - ❑ 250 Watt S-Band Installation is scheduled NIB
 - ❑ Downtime will begin after THB LOI support on DOY 178.

Note: Cable wrap protection for each BWG requires 3 days and will be NIB

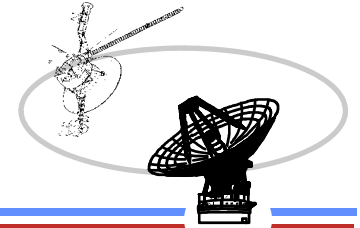
Additional Antenna Controller Replacements are proposed for 2012 and 2013

- ❑ Sub Reflector Position Transducer Replacement was scheduled for May and June
 - ❑ DSS 55 **was completed in week 23**
- ❑ DSS-54 PLC test was requested in FY 2011
 - ❑ DSS-54 **was completed in week 24**



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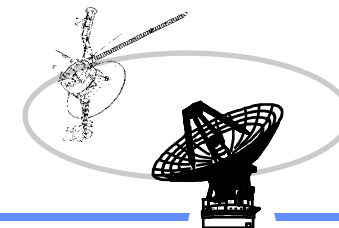
Antenna Downtime Status and Forecast

Downtimes for 2011 (continued)

- ❑ DSS-65 Chiller replacement was scheduled for July, week 27
 - ❑ Four blocks for July 04, 05, 06, and 07 were completed
 - ❑ Heat Exchanger Replacement was scheduled NIB
- ❑ DSS-43 Elevation Databox Replacement for 72 hours is scheduled for July
 - ❑ This has been scheduled for July 25 – 29, week 30 DOY 206/2200 – 209/1825
- ❑ DSS-26 RF Pattern Testing is requested for July and September
 - ❑ Two blocks are scheduled for July, week 30.
 - ❑ DOY 207/1515 – 208/0335
 - ❑ DOY 210/1300 – 2300
 - ❑ One block is scheduled in October, week 40, DOY 276/0000 – 279/0220
- ❑ DSS-15 Downtime for TXR Manifold Upgrade requested
 - ❑ One week of downtime is requested. Tentative dates depend on the arrival of spare parts to the complex,
 - ❑ Mid – October 2011 or Mid – February 2012

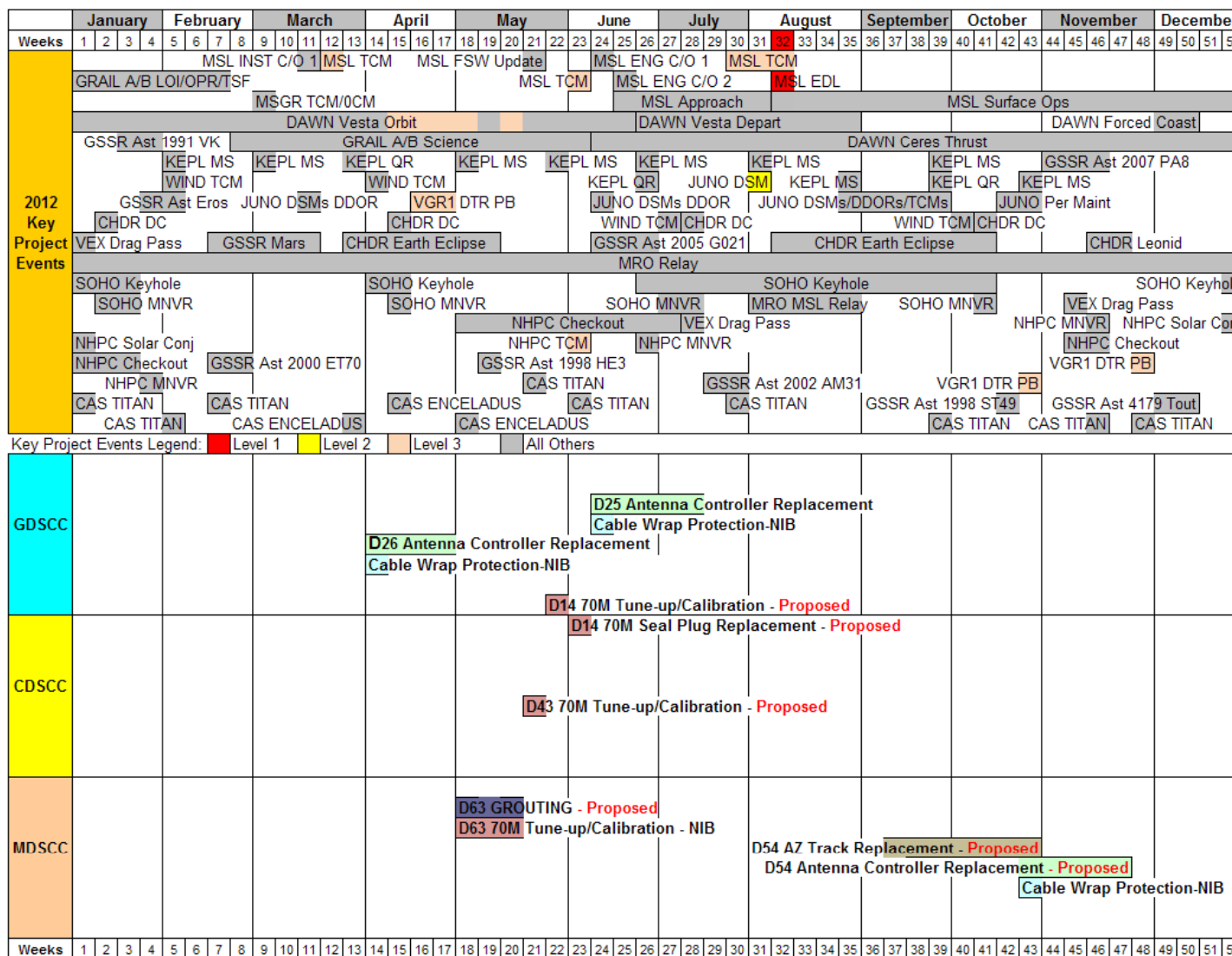


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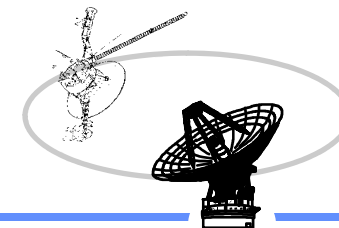
- 2012 -



Revised: June 24, 2011



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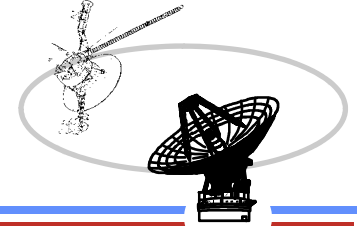
DSN Downtime 2012

2012							
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY
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
DSS 63	70m Tune-up/Calibration - NIB	04/30/2012 06:00	05/20/2012 17:00	20	18 - 20	121	141
DSS 63	Grouting - Proposed	04/30/2012 06:00	05/20/2012 17:00	20	18 - 20	121	141
DSS 43	70m Tune-up/Calibration - Proposed	05/21/2012 19:00	05/25/2012 07:00	4	21 - 21	142	146
DSS 14	70m Tune-up/Calibration - Proposed	05/28/2012 14:00	06/02/2012 01:00	4	22 - 22	149	154
DSS 14	Plug Seal Replacement	06/04/2012 14:00	06/12/2012 01:00	7	23 - 24	156	164
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
DSS 54	AZ Track Replacement - Proposed	09/10/2012 00:00	10/28/2012 00:00	48	37 - 43	254	302
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

- ❑ BWG Antenna Controller Replacement for 2012 – 2013
 - ❑ DSS-26 is **Scheduled** for April 02 – 29, **weeks 14 – 17**, 2012, DOY 093/1300 – 120/0100
 - ❑ DSS-25 is **Scheduled** for June 11 – July 15, **weeks 24 – 28**, 2012
 - ❑ DSS-54 is proposed for October 22 – November 25, weeks 43 – 47, 2012
 - ❑ DSS-55 is proposed for January 14 – February 17, 2013, weeks 03 – 07, 2013

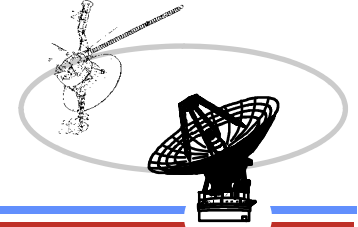
Note: Cable Wrap Protection for each BWG ACR requires 3 days and will be NIB
- ❑ DSS-63 downtime for Grouting is requested once per year
 - ❑ **Proposed** for May 7 – 27, **weeks 18 – 20**, 2012, DOY 121/0600 – 141/1700 – Analysis is completed – **NHPC has issues with this downtime placement**
 - ❑ Tune-up/Calibration is requested NIB to grouting
 - ❑ Downtime was backed up 1 week due to Cassini requirements
 - ❑ Grouting is also proposed for September 2 – 17, weeks 36 – 38, 2013

Note: Stand alone Grouting requires 15 days
- ❑ DSS-43 downtime for Tune-up/Calibration is requested for 2012
 - ❑ Tune-up/Calibration is proposed for May 21 – 25, week 21
 - ❑ Downtime was reevaluated and moved to week 21 due to a Cassini Ring Occultation in week 26, DOY 180
- ❑ DSS-14 downtime for Tune-up/Calibration is requested for 2012
 - ❑ Tune-up/Calibration is proposed for May 28 – June 01, week 22
- ❑ **DSS-14 downtime for Plug Seal Replacement is requested for 2012**
 - ❑ **Plug Seal Replacement is proposed for June 4 – 12, weeks 23 – 24**
 - ❑ **Complex could potentially perform task in increments prior to June 2012**



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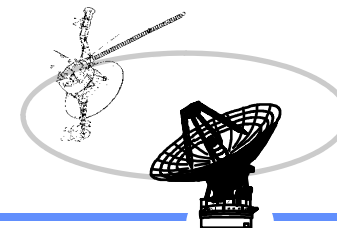
Antenna Downtime Status and Forecast

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, weeks 37 – 43, 2012,
 - ❑ DSS-24 is proposed for April 22 – June 30, weeks 17 – 26, 2013
 - ❑ DSS-26 is proposed for March 31 – June 8, weeks 14 – 23, 2014
 - ❑ 80 kW Facility Preparation will be scheduled NIB March 31 – May 18, weeks 14 – 20
- ❑ DSS-43 HBA Upgrade Downtime is proposed for 2013
 - ❑ Proposed for January 7 – August 11, weeks 02 – 32
 - ❑ ZDD will be scheduled prior to return to service
- NOTE: This downtime is currently under review
- ❑ DSS-63 HBA Upgrade 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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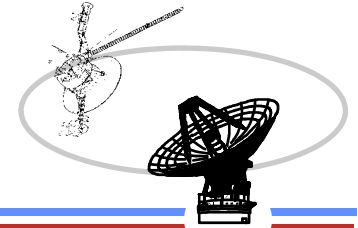
- 2013 -

	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														LIF Launch																			MAVEN Launch MAVEN TCM																								
	DAWN Ceres Thrst PB/TV																		DAWN Ceres Coasting																																							
	WIND TCM									DAWN Forced Coast					WIND TCM									WIND TCM					DAWN Forced Coast																													
	CHDR Dark Current									CHDR Dark Current					CHDR Dark Current									CHDR Dark Current					CHDR Leonid																													
	SOHO Keyhole					CHDR Earth Eclipse									CHDR Earth Eclipse				JUNO TCM					JUNO TCM																																		
	MRO MSL Relay																		MRO MSL Relay																																							
	MSL Surface Ops																		MSL Surface Ops																																							
	NHPC Solar Conjunction																		NHPC Checkout										NHPC Checkout																													
	NHPC Checkout																							NHPC Beacon					NHPC MNVR																													
	NHPC MNVR																												NHPC Solar Conjunction																													
GSSR Ast 2002 AY1																		GSSR Ast 2002 OD20					GSSR Ast 2005 WK4					GSSR Ast 1998 FW4					NHPC Solar Conjunction																									
GSSR Ast APOIS																		GSSR Ast 1998 QE2					GSSR Ast 1999 CF9					GSSR Ast 2002 QA22					GSSR Ast 2001 AV43																									
					CAS RHEA Flyby									CAS TITAN Flyby				CAS TITAN Flyby					CAS TITAN Flyby					CAS TITAN Flyby																														
					CAS TITAN Flyby									CAS TITAN Flyby				CAS TITAN Flyby					CAS TITAN Flyby					CAS TITAN Flyby																														
GDSCC	D24 AZ Track Replacement - Proposed																																																									
CDSCC	D43 HBA Upgrades & Life Extension - 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																																																				
																													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						

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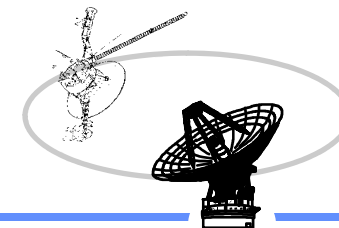
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DSN Downtime 2013

2013							
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY
DSS 43	HBA Upgrades and Life Extension - Proposed	01/07/2013 00:00	08/11/2013 00:00	216	02 - 32	7	223
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
DSS 24	AZ Track Replacement - Proposed	04/22/2013 00:00	06/30/2013 00:00	69	17 - 26	112	181
DSS 63	Grouting - Proposed	09/02/2013 00:00	09/17/2013 00:00	15	36 - 38	245	260

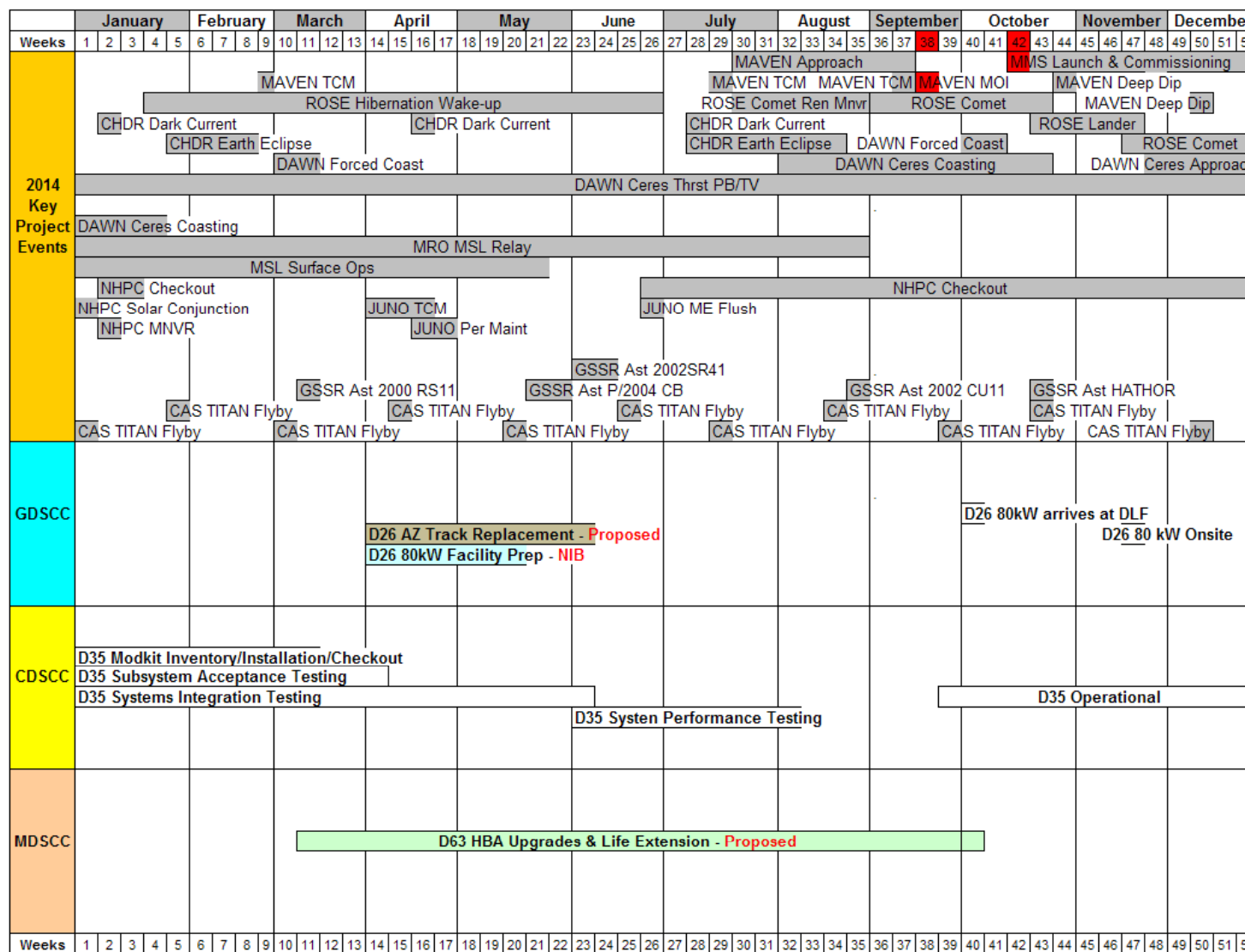


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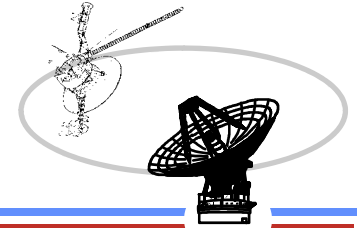
- 2014 -



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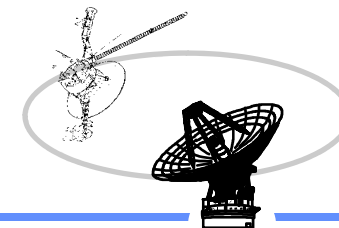
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DSN Downtime 2014

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	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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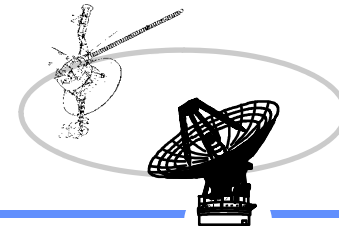
- 2015 -

	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	53
2015 Key Project Events	MMS Commissioning					NHPC Pluto Approach													NHPC MNVR				NHPC Pluto Encounter				NHPC Pluto Science PB													NHPC Checkout													
	NHPC Solar Conjunction																		NHPC MNVR				NHPC MNVR																	NHPC Solar Conjunction													
						MAVEN Deep Dip				MAVEN Deep Dip				MAVEN Deep Dip				MAVEN Conjunction																																			
														ROSE Comet																																							
														MMS Prime Mission																																							
	DAWN Ceres Orbit																																																				
	DAWN Ceres Approach																		JUNO Per Maint				JUNO JOI DDOR				JUNO ME Flush				JUNO JOI DDOR				JUNO JOI DDOR																		
														GSSR Ast 2003 RB				GSSR Ast 2003 RB				GSSR Ast 2003 RB				GSSR Ast 2003 SD220																											
	CAS TITAN Flyby					CAS TITAN Flyby				CAS TITAN Flyby				CAS TITAN Flyby				CAS TITAN Flyby				CAS TITAN Flyby				CAS TITAN Flyby				CAS TITAN Flyby				CAS TITAN Flyby																			
	CAS TITAN Flyby					CAS TITAN Flyby				CAS TITAN Flyby				CAS TITAN Flyby				CAS TITAN Flyby				CAS TITAN Flyby				CAS TITAN Flyby				CAS TITAN Flyby				CAS TITAN Flyby																			
GDSCC														D26 Install 80kW																																							
																											D26 Test 80kW																										
																																								D26 80kW DDR													
CDSCC																																												D35 80kW Arrives to DLF									
																																												D35 80kW Onsite									
MDSCC																																																					
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	53

Revised: June 28, 2011



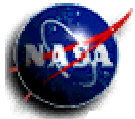
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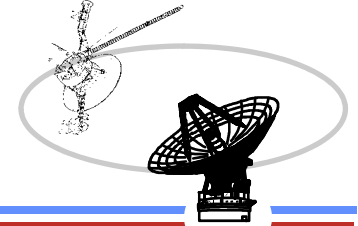
DSN Downtime 2015

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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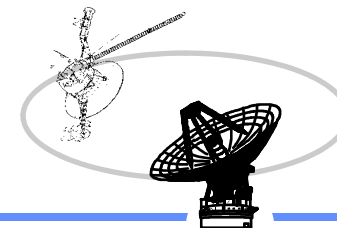
Antenna Downtime Status and Forecast

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, weeks 14 – 23, 2015
 - ❑ DSS-55 is proposed for February 1 – April 10, weeks 05 – 14, 2016
 - ❑ 80 kW Facility Preparation is scheduled NIB for February 1 – March 20, weeks 05 – 11



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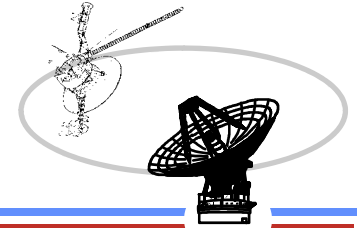
- 2016 -

	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	NHPC Solar Conjunction																		NHPC Pluto Science PB																		NHPC Pluto Approach																																			
	JUNO TCM																		JUNO TCM																		JUNO TCM																		JUNO Capture Orbit																	
	JUNO Approach																		JUNO Pre/Post JOI																		JUNO Pre/Post PRM																																			
	CAS TITAN Flyby																		CAS TITAN Flyby																		CAS TITAN Flyby																		CAS TITAN Flyby																	
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GDSCC																																																																								
CDSCC	D35 Install 80kW																								D35 80kW Test																								D35 DDR																							
MDSCC	D55 AZ Track Replacement - Proposed																		D55 80 kW Facility Prep - NIB																		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																				

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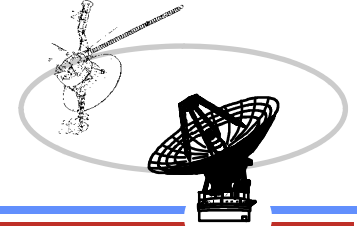
DSN Downtime 2016

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



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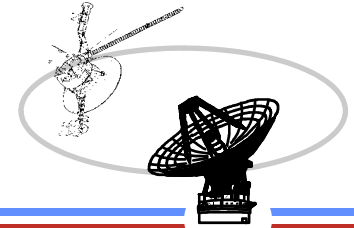


Future assets new/upgrades

- ❑ 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



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Antenna Downtime Status and Forecast

Complex	Station	Subnet	S-Band		X-Band		Ka-Band		Ka 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	✓	✓	✓	12/12/10	N/A	N/A	N/A
10	DSS-26	34B2	N/A	N/A	✓	✓	✓	N/A	N/A	N/A	10/01/15
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: 6/28/2010

✓ ✓ ✓ = Capability Recently Exists

✓ = Capability Exists

* = To Be Commissioned