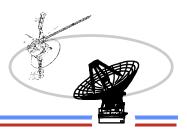


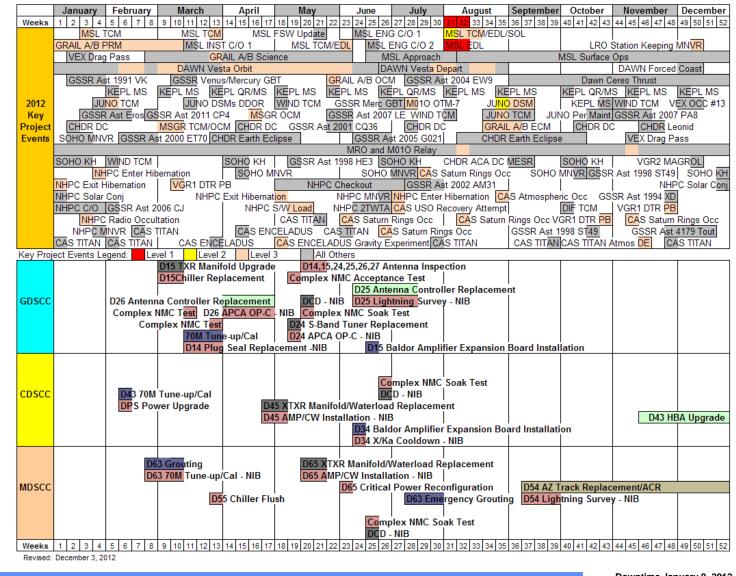


DSN Antenna Downtime Status and Forecast



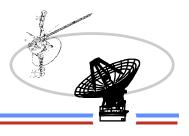


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- 2012 -

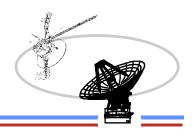
Downtime January 9, 2012 2



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	2012										
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY				
DSS 54	AZ TRK/ACR Replacement	09/10/2012 05:00	03/24/2013 16:30	195	37 - 12	254	83				
DSS 43	HBA Upgrade and Life Extension	11/12/2012 19:00	06/10/2013 07:00	210	46 - 24	317	161				





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Antenna Downtime Status and Forecast

Downtimes continued from 2012

BWG Antenna Controller Replacement

□ DSS-54 ACR and AZ Track Replacement is scheduled for September 10 - April 12, 2013, weeks 37 - 15 due to serious issues discovered with the concrete core in the pedestal.

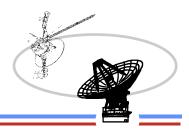
DSS-43 request downtime for HBA Upgrade and Life Extension

- 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 is NIB
- Power ECO is NIB

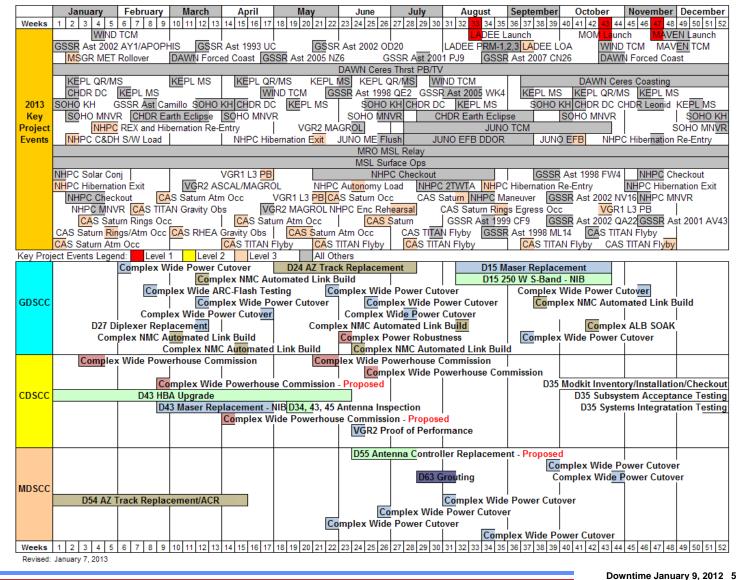


- 2013 -

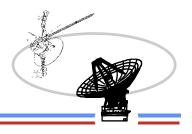
Interplanetary Network Directorate (IND) Deep Space Network (DSN) Resource Allocation Planning Service



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Antenna Downtime Status and Forecast

The following are downtimes for 2013

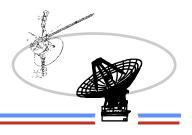
- SPC-60 requests six 10 hour blocks of complex wide downtime for Power Cutover from January June of 2013
 - Downtimes are scheduled for the following weeks
 - □ Weeks 22, 26, 31, 34, 39, 44 prime shift hours are requested but not necessary.

□ SPC-10 requests seven12-hour blocks of complex wide downtime for G86 Power Cutover and two 12-hour block of downtime for Power Robustness in 2013

- G86 Power cutover downtimes are scheduled during maintenance blocks
 - □ Weeks 08, 12, 17, 22, 25, 28, 37, and 46 Day shift requested
 - □ The week 8 downtime has been changed to ARC-FLASH TESTING
- Dever Robustness is scheduled for the following week
 - □ Week 23 2 12-hour days, daylight hours only
- SPC-10 requests seven 6 8 hour complex wide downtime for NMC Automated Link Build (ALB) activities in 2013
 - Requested for March October
 - Given Scheduled for weeks 10, 12, 15, 24, 32, 38, 42

DSS- 27 request 2 days of downtime for Diplexer Replacement for 2013 Scheduled for March 4, week 12



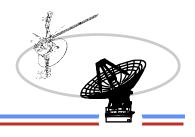


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2013 Downtimes (cont.)

- □ SPC-40 request a total of12 blocks of 3 hours each, complex downtime for Power House Commission in 2013. The following weeks are scheduled
 - □ Four blocks, 3 hours each, 2 consecutive blocks each in weeks 3 and 4
 - □ Five blocks, 3 hours each in May, spilt between weeks 21and 22
 - □ Two blocks, 3 hours each in June, week 25
 - Added three additional 3 hour blocks in February, week 09, the station also requested two additional blocks of time in April, week 14
- SPC-40 antenna for inspection in 2013
 Scheduled for Weeks 19 and 20
- BWG Antenna Controller Replacement for 2013
 DSS-55 is scheduled for June 10 July 11, weeks 24 28
- DSS-15 Maser and S-Band Transmitter Replacement is requested for 2013
 Seventy seven days are scheduled for August 5, October 26, weeks 32 43, date and weeks changed to better optimize the downtime prior to MAVEN launch





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2013 - 2014 Downtimes

- DSS-63 downtime for Grouting 2013 2014
 - □ Scheduled for July 15 August 2, weeks 29 31, 2013
 - □ Requesting 2 additional groutings in 2014 to replace HBA Upgrade and Life Extension
 - $\hfill\square$ Proposed for 4 weeks each in March, weeks 10 13
 - **D** Proposed for 4 weeks in November, weeks 45 48.

S-Band Maser Replacement will be NIB

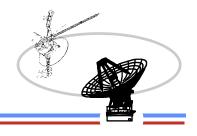
□ AZ Track Replacement downtime is requested for DSS-24 and DSS-26

 \Box DSS-24 is scheduled for April 29, – July 12, 2013, weeks 18 – 28.

- □ ZDD is required during this time
- \Box 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 NIB March 31 May 18, weeks14 20
- □ SPC-60 antenna for inspection in 2014

Proposed for weeks 12 and 13



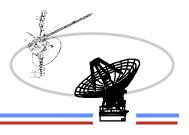


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2014 Downtimes

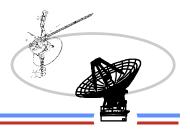
DCD 4.1 downtime requested for software installation and SOAK for 2014
 GDSCC and NOCC proposed for January 8, week 02
 CDSCC is proposed for January, week 03 and February week 08
 MDSCC is proposed for February, week 05 March week 10

DSS-14 70M Tune-up request 2014
 Proposed for December, weeks 49 - 50



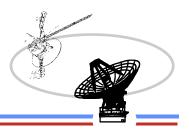
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	2013										
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY				
SPC 40	Powerhouse Commission	01/14/2013 21:00	01/15/2013 00:00	0	03 - 03	14	15				
SPC 40	Powerhouse Commission	01/15/2013 21:00	01/16/2013 00:00	0	03 - 03	15	16				
SPC 40	Powerhouse Commission	01/21/2013 20:00	01/21/2013 23:00	0	04 - 04	21	21				
SPC 40	Powerhouse Commission	01/22/2013 20:00	01/22/2013 23:00	0	04 - 04	22	22				
SPC 10	ARC-Flash Testing	02/21/2013 15:00	02/22/2013 03:00	0	08 - 08	52	53				
SPC 40	Powerhouse Commission	02/25/2013 09:10	02/25/2013 13:00	0	09 - 09	56	56				
SPC 40	Powerhouse Commission	02/27/2013 08:35	02/27/2013 12:45	0	09 - 09	58	58				
SPC 40	Powerhouse Commission	03/01/2013 09:05	03/01/2013 13:45	0	09 - 09	60	60				
SPC 10	NMC Automated Link Build	03/07/2013 00:00	03/07/2013 08:00	0	10 - 10	66	66				
SPC 10	Complex Power Cutover	03/20/2013 15:00	03/21/2013 03:00	0	12 - 12	79	80				
SPC 10	NMC Automated Link Build	03/21/2013 00:00	03/21/2013 08:00	0	12 - 12	80	80				
SPC 40	Powerhouse Commission	04/02/2013 21:00	04/03/2013 03:00	0	14 - 14	92	93				
SPC 40	Powerhouse Commission	04/03/2013 21:00	04/04/2013 03:00	0	14 - 14	93	94				
SPC 10	NMC Automated Link Build	04/10/2013 00:00	04/10/2013 08:00	0	15 - 15	100	100				
SPC 10	Complex Power Cutover	04/24/2013 15:00	04/25/2013 03:00	0	17 - 17	114	115				
DSS 24	AZ Track Replacement	04/29/2013 15:00	07/12/2013 00:00	73	18 - 28	119	193				
DSS 43	Antenna Inspection	05/06/2013 22:00	05/07/2013 14:00	1	19 - 19	126	127				
DSS 34	Antenna Inspection	05/07/2013 22:00	05/08/2013 14:00	1	19 - 19	127	128				
DSS 45	Antenna Inspection	05/08/2013 22:00	05/09/2013 14:00	1	19 - 19	128	129				
DSS 34	Antenna Inspection	05/14/2013 22:00	05/15/2013 06:00	0	20 - 20	134	135				
DSS 45	Antenna Inspection	05/15/2013 22:00	05/16/2013 06:00	0	20 - 20	135	136				
SPC 40	Powerhouse Commission	05/20/2013 21:00	05/21/2013 00:00	0	21 - 21	140	141				



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		2013					
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY
SPC 40	Powerhouse Commission	05/21/2013 21:00	05/22/2013 00:00	0	21 - 21	141	142
SPC 40	Powerhouse Commission	05/22/2013 21:00	05/23/2013 00:00	0	21 - 21	142	143
SPC 40	Powerhouse Commission	05/27/2013 21:00	05/28/2013 00:00	0	22 - 22	147	148
SPC 10	Complex Power Cutover	05/28/2013 15:00	05/29/2013 03:00	0	22 - 22	148	149
SPC 40	Powerhouse Commission	05/28/2013 21:00	05/29/2013 00:00	0	22 - 22	148	149
DSS 54	Complex Power Cutover	05/29/2013 05:00	05/29/2013 17:00	0	22 - 22	149	149
DSS 55	Complex Power Cutover	05/29/2013 05:00	05/29/2013 17:00	0	22 - 22	149	149
DSS 63	Complex Power Cutover	05/29/2013 05:00	05/29/2013 17:00	0	22 - 22	149	149
DSS 65	Complex Power Cutover	05/29/2013 05:00	05/29/2013 17:00	0	22 - 22	149	149
SPC 10	Power Robustness	06/03/2013 15:00	06/04/2013 03:00	0	23 - 23	154	155
SPC 10	Power Robustness	06/04/2013 15:00	06/05/2013 03:00	0	23 - 23	155	156
DSS 55	Antenna Controller Replacement - Proposed	06/10/2013 05:00	07/12/2013 17:00	32	24 - 28	161	193
SPC 10	NMC Automated Link Build	06/11/2013 00:00	06/11/2013 08:00	0	24 - 24	162	162
SPC 40	Powerhouse Commission	06/17/2013 21:00	06/18/2013 00:00	0	25 - 25	168	169
SPC 40	Powerhouse Commission	06/18/2013 21:00	06/19/2013 00:00	0	25 - 25	169	170
SPC 10	Complex Power Cutover	06/19/2013 15:00	06/20/2013 03:00	0	25 - 25	170	171
SPC 40	Powerhouse Commission	06/19/2013 21:00	06/20/2013 00:00	0	25 - 25	170	171
DSS 54	Complex Power Cutover	06/27/2013 05:00	06/27/2013 17:00	0	26 - 26	178	178
DSS 55	Complex Power Cutover	06/27/2013 05:00	06/27/2013 17:00	0	26 - 26	178	178
DSS 63	Complex Power Cutover	06/27/2013 05:00	06/27/2013 17:00	0	26 - 26	178	178
DSS 65	Complex Power Cutover	06/27/2013 05:00	06/27/2013 17:00	0	26 - 26	178	178
SPC 10	Complex Power Cutover	07/10/2013 15:00	07/11/2013 03:00	0	28 - 28	191	192



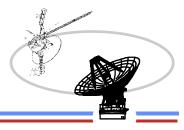
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	2013											
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY					
DSS 63	Grouting	07/15/2013 06:00	08/02/2013 17:00	18	29 - 31	196	214					
SPC 60	Complex Power Cutover	07/31/2013 05:00	07/31/2013 17:00	0	31 - 31	212	212					
SPC 10	NMC Automated Link Build	08/05/2013 00:00	08/05/2013 08:00	0	32 - 32	217	217					
DSS 15	250W S-Band - NIB	08/05/2013 15:00	10/26/2013 00:00	81	32 - 43	217	299					
DSS 15	Maser Replacement	08/05/2013 15:00	10/26/2013 00:00	81	32 - 43	217	299					
SPC 60	Complex Power Cutover	08/22/2013 05:00	08/22/2013 17:00	0	34 - 34	234	234					
SPC 10	Complex Power Cutover - Proposed	09/10/2013 15:00	09/11/2013 03:00	0	37 - 37	253	254					
SPC 10	NMC Automated Link Build	09/19/2013 00:00	09/19/2013 08:00	0	38 - 38	262	262					
DSS 54	Complex Power Cutover	09/26/2013 05:00	09/26/2013 17:00	0	39 - 39	269	269					
DSS 55	Complex Power Cutover	09/26/2013 05:00	09/26/2013 17:00	0	39 - 39	269	269					
DSS 63	Complex Power Cutover	09/26/2013 05:00	09/26/2013 17:00	0	39 - 39	269	269					
DSS 65	Complex Power Cutover	09/26/2013 05:00	09/26/2013 17:00	0	39 - 39	269	269					
SPC 10	NMC Automated Link Build - SOAK	10/17/2013 00:00	10/17/2013 08:00	0	42 - 42	290	290					
DSS 54	Complex Power Cutover	10/31/2013 05:00	10/31/2013 17:00	0	44 - 44	304	304					
DSS 55	Complex Power Cutover	10/31/2013 05:00	10/31/2013 17:00	0	44 - 44	304	304					
DSS 63	Complex Power Cutover	10/31/2013 05:00	10/31/2013 17:00	0	44 - 44	304	304					
DSS 65	Complex Power Cutover	10/31/2013 05:00	10/31/2013 17:00	0	44 - 44	304	304					
SPC 10	Complex Power Cutover	11/13/2013 15:00	11/14/2013 03:00	0	46 - 46	317	318					

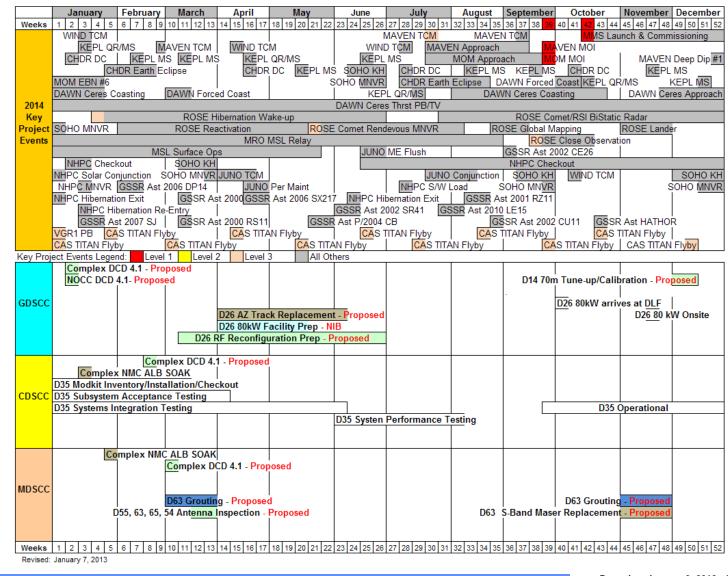


- 2014 -

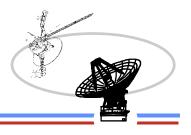
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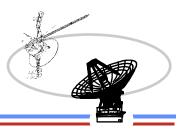


Downtime January 9, 2012 13



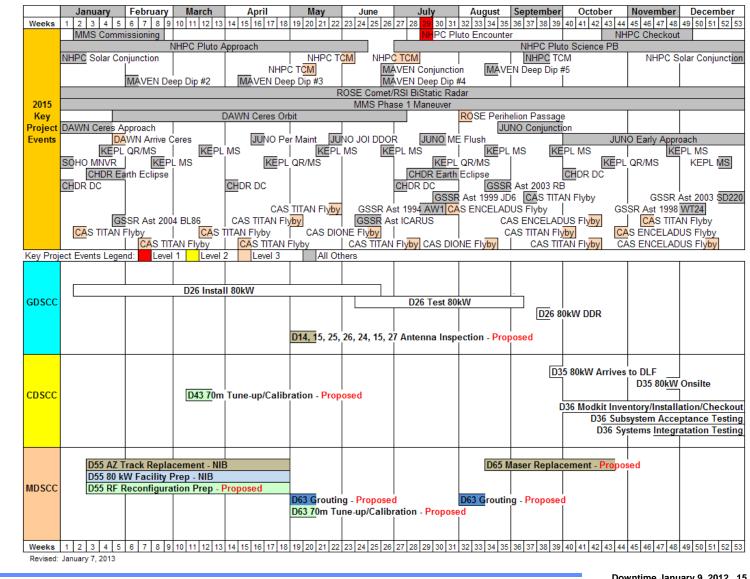
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		2014					
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY
GCF 20	DCD 4.1 - Proposed	01/08/2014 23:10	01/09/2014 05:10	0	02 - 02	8	9
SPC 10	DCD 4.1 - Proposed	01/08/2014 23:10	01/09/2014 05:10	0	02 - 02	8	9
SPC 40	NMC Automated Link Build - SOAK Proposed	01/15/2014 21:00	01/16/2014 05:00	0	03 - 03	15	16
SPC 60	NMC Automated Link Build - SOAK Proposed	01/29/2014 06:00	01/29/2014 14:00	0	05 - 05	29	29
SPC 40	DCD 4.1 - Proposed	02/20/2014 23:00	02/21/2014 05:00	0	08 - 08	51	52
DSS 63	Grouting - Proposed	03/03/2014 06:00	03/28/2014 17:00	25	10 - 13	62	87
SPC 60	DCD 4.1 - Proposed	03/06/2014 07:00	03/06/2014 13:00	0	10 - 10	65	65
DSS 26	RF Reconfiguration Prep - Proposed	03/10/2014 00:00	06/29/2014 00:00	111	11 - 26	69	180
DSS 55	Antenna Inspection - Proposed	03/17/2014 07:00	03/17/2014 23:00	1	12 - 12	76	76
DSS 65	Antenna Inspection - Proposed	03/18/2014 07:00	03/18/2014 23:00	1	12 - 12	77	77
DSS 63	Antenna Inspection - Proposed	03/19/2014 07:00	03/19/2014 23:00	1	12 - 12	78	78
DSS 54	Antenna Inspection - Proposed	03/20/2014 07:00	03/20/2014 23:00	1	12 - 12	79	79
DSS 55	Antenna Inspection - Proposed	03/24/2014 07:00	03/24/2014 15:00	0	13 - 13	83	83
DSS 65	Antenna Inspection - Proposed	03/25/2014 07:00	03/25/2014 15:00	0	13 - 13	84	84
DSS 54	Antenna Inspection - Proposed	03/26/2014 07:00	03/26/2014 15:00	0	13 - 13	85	85
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 63	Grouting - Proposed	11/03/2014 06:00	11/28/2014 17:00	25	45 - 48	307	332
DSS 63	S-Band Maser Replacement - NIB	11/03/2014 06:00	11/28/2014 17:00	25	45 - 48	307	332
DSS 14	70M Tune-up/Calibration - Proposed	12/01/2014 15:00	12/14/2014 00:00	12	49 - 50	335	348

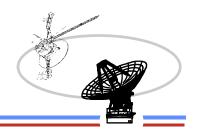


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Antenna Downtime Status and Forecast

The following are downtimes for 2015 - 2018

Maser Řeplacement has been requested

DSS-65 is proposed for August – November 2015 weeks 34 – 43
 DSS-45 is proposed for April – June 2016 weeks 16 – 25

SPC-10 antenna for inspection in 2015
 Proposed for weeks 19 and 20

SPC- 40 antenna for inspection in 2016
 Proposed for weeks 18 and 19

□ AZ Track Replacement

□ DSS-55 Proposed for January - May 2015 weeks 03 – 18

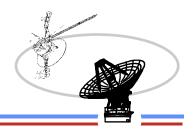
80kW will be NIB

□ RF reconfiguration prep will be NIB

DSS-25 is proposed for January 29 – April 08, 2018, weeks 05 – 14
 XX/Ka Installation will be NIB

DSS-43 70M Tune-up for 2015
 Proposed for weeks 11-12





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Antenna Downtime Status and Forecast

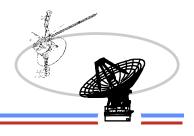
2015 – 2018 Downtimes cont.

- DSS-63 grouting and 70M Tune-up 2015 2016
 - 2015 grouting proposed for May, weeks 19-20
 DSS-63 70M tune-up will be NIB
 - □ 2015 grouting proposed for August, week 32 33.
 - 2016 grouting proposed for May, weeks 18-21
 - □ 2016 grouting proposed for November, weeks 44-47

DSS-65 Maser Replacement for 2015

- \Box Proposed for August October weeks 34 43
- □ SPC-40 request three twelve-hour downtimes for UPS Installation in 2016
 - Proposed February and March, weeks 05, 07, 09
- □ HEF Transmitter Replacement
 - DSS-15 Proposed for July 11 September 12, 2016 weeks, 28 39
 - □ DSS-45 Proposed for May 15 August 7, 2017, weeks, 20 31
 - □ DSS-65 Proposed for September 11 December 1, 2017, weeks 37 48





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2015 – 2018 Downtimes cont.

DSS-63 HBA Upgrade and Life Extension downtime is requested for 2017

- Proposed for weeks 05 36
- Maser Replacement is scheduled NIB

□ SPC-60 Antenna Inspections for 2017

□ Proposed for September, weeks 35 and 36

DSS-25 AZ Track Replacement for 2018

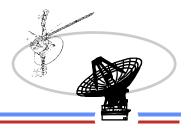
- □ Proposed for January 29 April 9, weeks 05 15
- □ XX/Ka Installation will be NIB

DSS-54 Pedestal Rehab for 2018

Proposed for February – October, weeks 05 - 43

DSS-24 XX/Ka Installation requested for 2018

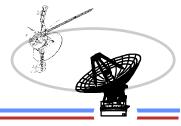
 $\hfill\square$ Proposed for April 30 – July 9, weeks 18 – 27



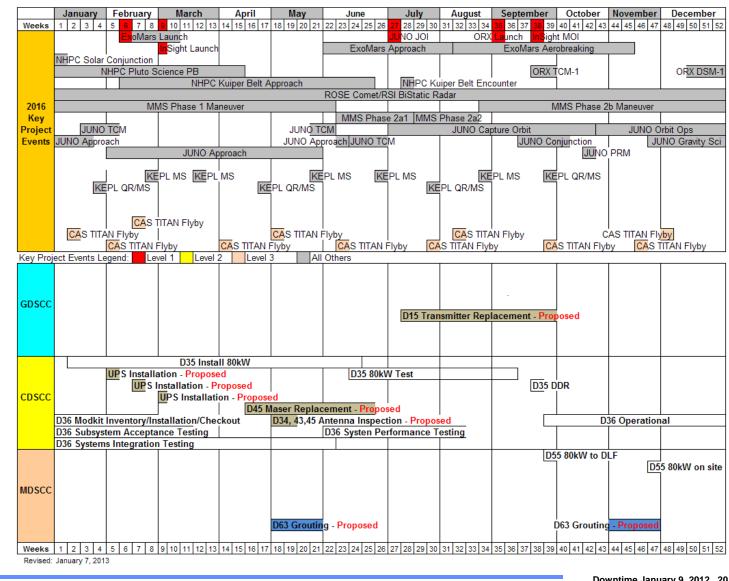
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	2015											
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY					
DSS 55	80 kW Facility Prep - NIB	01/12/2015 00:00	05/03/2015 00:00	111	03 - 18	12	123					
DSS 55	AZ Track Replacement - Proposed	01/12/2015 00:00	05/03/2015 00:00	111	03 - 18	12	123					
DSS 55	RF Reconfiguration Prep - Proposed	01/12/2015 00:00	05/03/2015 00:00	111	03 - 03	12	123					
DSS 43	70m Tune-up/Callibration - Proposed	03/08/2015 21:00	03/20/2015 06:00	11	10 - 12	67	79					
DSS 63	70m Tune-up/Calibration - NIB	05/04/2015 06:00	05/17/2015 17:00	13	19 - 20	124	137					
DSS 63	Grouting - Proposed	05/04/2015 06:00	05/17/2015 17:00	13	19 - 20	124	137					
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 - Proposed	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 63	Grouting - Proposed	08/03/2015 05:00	08/16/2015 17:00	14	32 - 33	215	228					
DSS 65	Maser Replacement - Proposed	08/17/2015 06:00	10/25/2015 17:00	69	34 - 43	229	298					



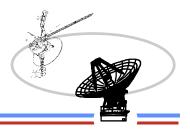


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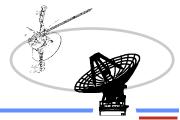
Downtime January 9, 2012 20



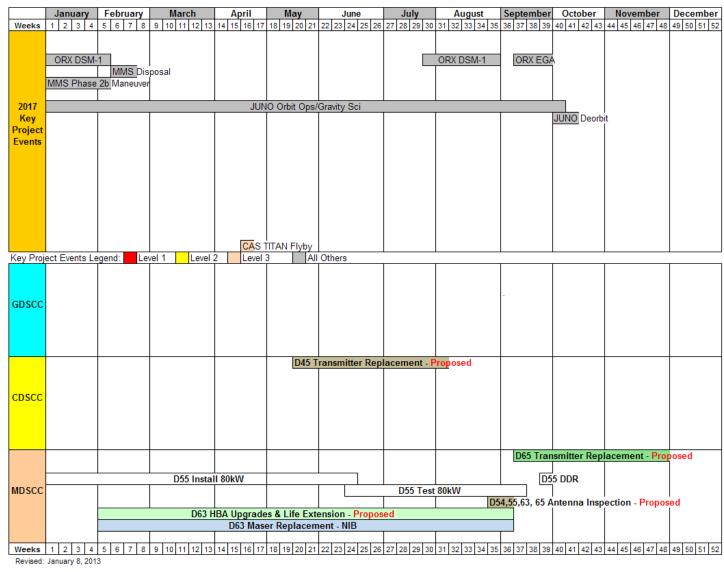
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	2016											
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY					
SPC 40	UPS Installation - Proposed	02/03/2016 21:00	02/04/2016 09:00	0	05 - 05	34	35					
SPC 40	UPS Installation - Proposed	02/17/2016 21:00	02/18/2016 09:00	0	05 - 07	48	49					
SPC 40	UPS Installation - Proposed	03/02/2016 21:00	03/03/2016 09:00	0	09 -09	62	63					
DSS 45	Maser Replacement - Proposed	04/18/2016 21:00	06/26/2016 06:00	68	16 - 25	109	178					
DSS 63	Grouting - Proposed	05/02/2016 06:00	05/29/2016 17:00	27	18 - 21	123	150					
DSS 43	Antenna Inspection - Proposed	05/02/2016 22:00	05/03/2016 14:00	1	18 - 18	123	124					
DSS 34	Antenna Inspection - Proposed	05/03/2016 22:00	05/04/2016 14:00	1	18 - 18	124	125					
DSS 45	Antenna Inspection - Proposed	05/04/2016 22:00	05/05/2016 14:00	1	18 - 18	125	126					
DSS 43	Antenna Inspection - Proposed	05/09/2016 22:00	05/10/2016 06:00	0	19 - 19	130	131					
DSS 34	Antenna Inspection - Proposed	05/10/2016 22:00	05/11/2016 06:00	0	19 - 19	131	132					
DSS 15	Transmitter Replacement - Proposed	07/11/2016 00:00	10/03/2016 00:00	84	28 - 40	193	277					
DSS 63	Grouting - Proposed	10/31/2016 06:00	11/25/2016 17:00	25	44 - 47	305	330					

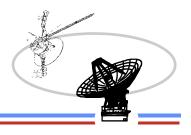




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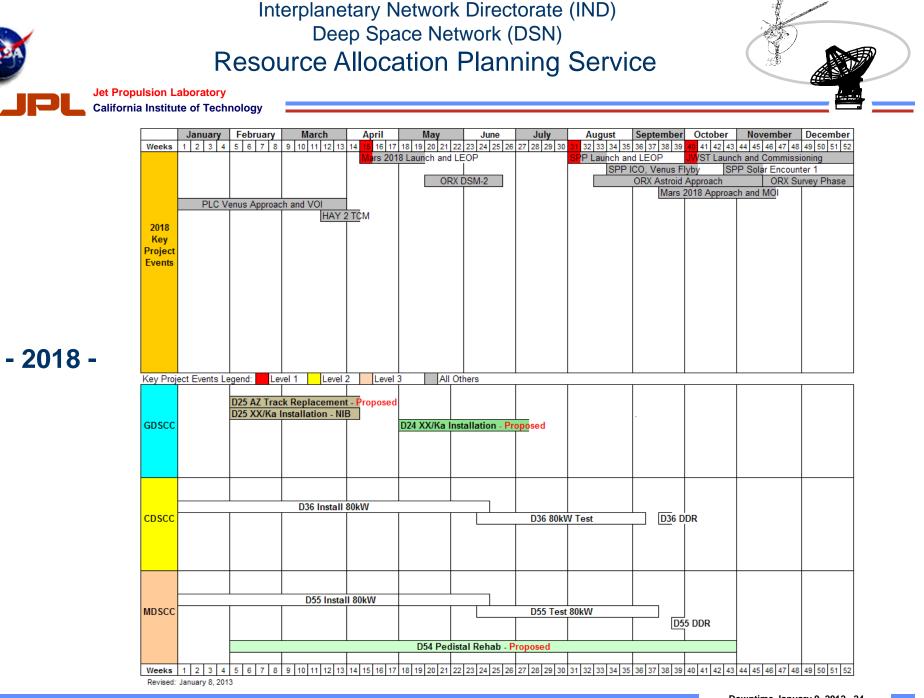


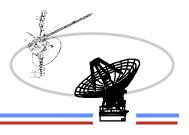
- 2017 -



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	2017											
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY					
DSS 63	HBA Upgrade and Life Extension - Proposed	01/30/2017 06:00	09/08/2017 17:00	221	05 - 36	30	251					
DSS 63	Maser Replacement - NIB	01/30/2017 06:00	09/08/2017 17:00	221	05 - 36	30	251					
DSS 45	Transmitter Replacement - Proposed	05/15/2017 00:00	08/07/2017 00:00	84	20 - 32	135	219					
DSS 55	Antenna Inspection - Proposed	08/28/2017 07:00	08/28/2017 23:00	1	35 - 35	240	240					
DSS 65	Antenna Inspection - Proposed	08/29/2017 07:00	08/29/2017 23:00	1	35 - 35	241	241					
DSS 63	Antenna Inspection - Proposed	08/30/2017 07:00	08/30/2017 23:00	1	35 - 35	242	242					
DSS 54	Antenna Inspection - Proposed	08/31/2017 07:00	08/31/2017 23:00	1	35 - 35	243	243					
DSS 55	Antenna Inspection - Proposed	09/04/2017 07:00	09/04/2017 15:00	0	36 - 36	247	247					
DSS 63	Antenna Inspection - Proposed	09/05/2017 07:00	09/05/2017 15:00	0	36 - 36	248	248					
DSS 54	Antenna Inspection - Proposed	09/07/2017 07:00	09/07/2017 15:00	0	36 - 36	250	250					
DSS 65	Transmitter Replacement - Proposed	09/11/2017 06:00	12/01/2017 17:00	81	37 - 48	254	335					

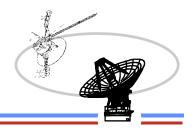




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	2018										
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY				
DSS 25	AZ Track Replacement - Proposed	01/29/2018 00:00	04/09/2018 00:00	70	05 - 15	29	99				
DSS 25	XX/Ka Installation - NIB	01/29/2018 00:00	04/09/2018 00:00	70	05 - 13	29	99				
DSS 54	Pedistal Rehab	01/29/2018 06:00	10/26/2018 17:00	270	05 - 43	29	299				
DSS 24	XX/Ka Installation - Proposed	04/30/2018 00:00	07/09/2018 00:00	70	18 - 28	120	190				



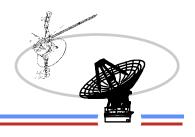


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Future assets new/upgrades

- 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
 - Department 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

DSN Resource Implementation Planning Matrix by Subnet

			S-B	and	Х-В	and	Ka-E	Band	Ka	X-Band	80KW
Complex	Station	Subnet	Down	Up	Down	Up	Down	Up	Phase 2	ACQ AID	001/10
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	4	*	~	~	*	N/A	~	*	N/A
60	DSS-54	34B1	\$	*	~	~	\$	N/A	~	*	N/A
10	DSS-25	34B2	N/A	N/A	~	~	~	*	N/A	N/A	TBD
10	DSS-26	34B2	N/A	N/A	~	~	*	N/A	N/A	N/A	10/01/15
40	DSS-33*	34B2	N/A	N/A	10/01/19	10/01/19	10/01/19	N/A	N/A	N/A	TBD
40	DSS-35*	34B2	N/A	N/A	09/29/14	09/29/14	09/29/14	N/A	N/A	N/A	10/01/16
40	DSS-36*	34B2	N/A	N/A	09/26/16	09/26/16	09/26/16	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
60	DSS-56*	34B2	N/A	N/A	09/28/20	09/28/20	09/28/20	N/A	N/A	N/A	TBD
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 = Not A	applicable o	or Capabili	ty Not Planı	ned	xx/xx/xx =	Capability [)ate Recent	y Changed		As of:	11/28/2012
✓ ✓ ✓ = Ca	✓ ✓ ✓ = Capability Recently Exists ✓ = Capability Exists [*] = To Be Commissione									nmissioned	