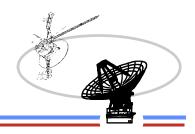
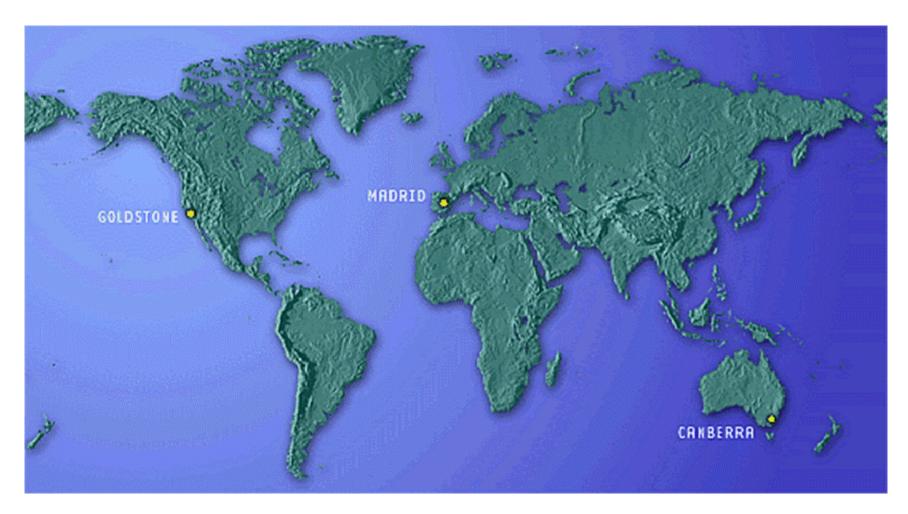


### Resource Allocation Planning Service

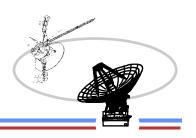


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### Resource Allocation Planning Service

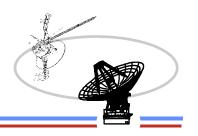


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Downtime	Antenna	Start Date	End Date	Weeks	POC	Notes
HEF Maser Replacement	DSS-15	Sep 9 2013	Dec 21 2013	37 – 51	Anna Fan, Chris Link	Replacing Maser LNA with HEMT LNA, 250W S-Band, Depot Level Maintenance, Gain Select Installation all NIB. DSS-15 returned to service DOY 345/0200. Planned 11 hours maintenance blocks were scheduled on DOYs 345, 346, 347, 350, 351 & 352 1500-0200. Receiver X-band improved by 3.4 Db, some S-band degradation, will be checked during maintenance blocks.
RF Noise Shield	DSS-26	Jan 9, 2014	Jan 10, 2014	02	Wendy Hodgin	Request 2 blocks of time in Jan to shield the quad legs
Complex downtime for NMC Automated Link Build (ALB) and Acceptance testing	GDSCC	Jan 2014	Jan 2014	03	Jim Buckley, Dave Taylor, Shirley Cizmar	Request 6 – 8 hours each block – days/times flexible. Moved week 42 NMC ALB task to week 43 due to LADEE contention and viewperiod. An additional request for NMC ALB A/T was added in week 49. Week 49 remains to be completed. Added week 03 of 2014 for A/T
Complex downtime for NMC Automated Link Build (ALB) and SOAK	GDSCC DSOC MDSCC CDSCC	Jan 2014 Feb 2014 Mar 2014	Jan 2014 Feb 2014 Mar 2014	05 07 10	Jim Buckley, Shirley Cizmar, Dave Taylor	Request 6 – 8 hours per block at each complex A management decision was made to move DSOC and GDSCC from week 08 to week 05. DSOC is scheduled to be completed prior to NMC ALB and Is not network wide downtime – JPL only



### Resource Allocation Planning Service

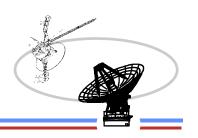


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Downtime	Antenna	Start Date	End Date	Weeks	POC	Notes
Complex downtime for Power House Commission	CDSCC	March 2014 March 2015	Oct 2014 March 2015	12, 14, 18, 30, 51 33, 35	John Phillips, Rob Mehrkish Dave Taylor	Prime shift hours are preferred. Week 12 downtime requires 12 hours. Downtimes in weeks 14, 18, 30, and two in week 51 require 6 hours Week 33 downtime requires 12 hours, week 35 downtime requires 6 hours. Dave will check to confirm dates.
HBA Prep Metrology – AZ Runner Measurement	DSS-63	Feb 4 2014	Feb7 2014	06	Tim Sink	Requested 4 additional nights 12 hours each Jan/Feb 2014 timeframe – The first night of downtime was reduced to 6 hours 20 minutes to accommodate Cassini's T98 P/B pass
Grouting	DSS-63	2014 2014 2015 2015 2016 2016	2014 2014 2015 2015 2016 2016	09 - 15 44 - 48 19 & 20 32 & 33 05 - 09 29 - 34	Pam Rothman, Dave Taylor, David Munoz Mochon, Bernardo Lopez, Asim Sehic	An additional week was added to first grouting in 2014 in preparation for the DSN 50 <sup>th</sup> anniversary. Nov 2014, S-Band Maser Replacement NIB May 2015, 70m Tune-up and calibration NIB 2015 groutings are only 2 weeks to allow support of NHPC Have the option of two 5 weeks downtimes in 2017, could removed HBA Upgrade or take a single 10 weeks downtime in 2017. Need at least 8 weeks in 2017 if the APCA is NIB to downtime
Complex downtime for SPC-60 Power Cutover	MDSCC	Apr 2014	Aug 2014	15, 19, 23, 27, 31, 34	Anna Fan, Rob Mehrkish, Javier Lopez- Perea	Request 12 hours blocks of prime shift hours, but hours are negotiable. Weeks 7 & 11 were moved to weeks 31 & 34.  Week 34 is the last downtime for this task. They may have to compress time between specific dates and hours for each downtime. Anna will clarify list of tasks during downtime



### Resource Allocation Planning Service

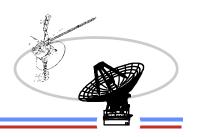


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Downtime	Antenna	Start Date	End Date	Weeks	POC	Notes
DSOC & DCD 4.1 software installation	GDSCC DSOC CDSCC MDSCC	Feb 2014 Apr 2014 Apr 2014	Feb 2014 Apr 2014 Apr 2014	<ul><li>09</li><li>14</li><li>17</li></ul>	Anna Fan, Sheila Garrett	A management decision was made to move DSOC and DCD to week 09 to run with the Network wide GNM task Data at CDSCC and MDSCC will be spooled at the complex and delivered after the downtime is complete. Belinda will work with MER1 during week 09 tasks CDSCC/MDSCC will be scheduled after GDSCC S/W installation Moved from week 16 to week 17 due to Easter Holiday
Modkit Install  HBA Shimming  Depot Level  Maintenance	DSS-35 DSS-43 DSS-45 DSS-65 DSS-34	Jan 2014 April 2014 May 2014 May 2014 Jan 2015	Mar 2014 May 2014 May 2014 June 2014 Feb 2015	01 - 11 16 - 18 19 - 21 22 - 24 05 - 08	John Phillips for CDSCC  David Munoz Mochon for MDSCC	DSS-35 Modkit installation during Jan – Mar time frame DSS-43 changed to HBA Shimming and 2400 Vac Alternate Bus Installation will be NIB DSS-45 DLM was moved to accommodate mission supports DSS-65 DLM was moved to accommodate mission supports
Antenna Inspections	MDSCC	April 2014 June 2017	April 2014 June 2017	14 & 15 22 & 23	Dave Taylor, Andrew Brooks	MDSCC Inspections times moved from weeks 12 & 13 to weeks 14 & 15  2017 Antenna inspections moved to the last two weeks of DSS-63 HBA downtime



### Resource Allocation Planning Service

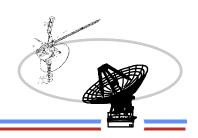


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Downtime	Antenna	Start Date	End Date	Weeks	POC	Notes
Electrical Maintenance Complex wide Electrical Maint.	DSS- 24,25,26 SPC-10	April 2014 May 2014	May 2014 May 2014	16 & 19 22	David Lloyd, Erik Holmgren	Requesting downtime for preventative maintenance blocks to update electrical items  This 12-hour downtime will end at 0100, one hour before Cassini's activities. Need to plan an additional complex downtime for ECHO.
Elevation Cable Wrap	DSS-15	June 2014	July 2014	25 – 27	Marwah Buck	Moved from weeks 29-31. Swap with 80kW Prep.
Replace Sub Reflector Cable	DSS-14	Jul 2014	Jul 2014	28	Erik Holmgren	Request 5 days to perform Sub Reflector Cable replacement Tracking available during night hours after the first 2 nights. Moved from week 07 to week 09 due to GSSR activities.
80kW Prep	DSS-26	July 2014	July 2014	28 - 31	Erik Holmgren	Moved from weeks 23-26. Swap with Elevation Cable Wrap.
Ka U/L Install	DSS-25	Nov 2014	Nov 2014	46	Andre Jongeling	This downtime was requested after the August downtime meeting
70M Tune-up and calibration	DSS-14 DSS-43	Dec 1, 2014 Mar 9, 2015	Dec 15, 2014 Mar 21, 2015	49 & 50 11 & 12	David Allen John Phillips	These are proposed dates at this time and are In preparation for NHPC Pluto Encounter



### Resource Allocation Planning Service

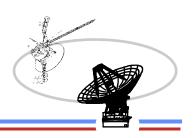


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Downtime	Antenna	Start Date	End Date	Weeks	POC	Notes
80Kw Facility Prep Task	DSS-26	Jan 2015	June 2015	01 - 26	Pam Rothman, Asim Sehic	After the November downtime meeting, this downtime was moved from weeks 34 - 04, 2015/2016 to weeks 01 - 26 of 2015.  AZ Track will be NIB to the 80Kw facility prep task
Antenna Inspections	GDSCC	Mar 2015 Apr 2018	Apr 2015 Apr 2018	13 & 14 15 & 16	Anna Fan, Neil Bucknam, Daniel Olson	2015 Antenna Inspections moved to March - April timeframe
AZ Track Replacement	DSS-55	Aug 2015	Oct 2015	34 – 44	Pam Rothman, Asim Sehic	This was moved from weeks 11-21
Antenna Inspections	CDSCC	Jan 2016	Jan 2016	1 & 2	Anna Fan, Dave Taylor, Neil Bucknam, Daniel Olson	2016 – During DSS-45 Maser Replacement



### Resource Allocation Planning Service

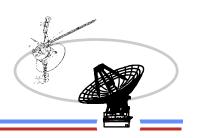


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Downtime	Antenna	Start Date	End Date	Weeks	POC	Notes
APCA	DSS-63 DSS-43	March 2016 Feb 2017 Nov 2017	May 2016 June 2017 Feb 2018	10 – 21 08 – 23 44 – 05	Anna Fan, Barzia Tehrani	These downtime were requested at July downtime meeting DSS-63 APCA is NIB to HBA and could move based on DSS-63 HBA downtime changes. DSS-14 needs to be scheduled first, DSS-63 and DSS-43 to follow, no preferred order
SWUPS Installation	CDSCC	Apr 5 2016 Apr 20 2016 May 4 2016	Apr 5 2016 Apr 202016 May 4 2016	14, 16, 18	Pete Hames	These blocks are proposed at this time 12 hour blocks for each downtime Must be done in daylight. There is a connection to the power house. Will know more in Jan 2014 about moving to beginning of 2016. This will be scheduled in the April 2016 timeframe. Two blocks in a 3 week period. Need to avoid InSight activities.
HBA Upgrade and Life Extension	DSS-63	Feb 2017	June 2017	08 - 23	Dave Taylor, Bernardo Lopez	This has been changed to a 16 weeks downtime in 2017 with APCA NIB during the downtime and antenna inspections performed the last 2 weeks of the downtime.



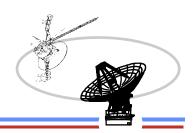
### Resource Allocation Planning Service



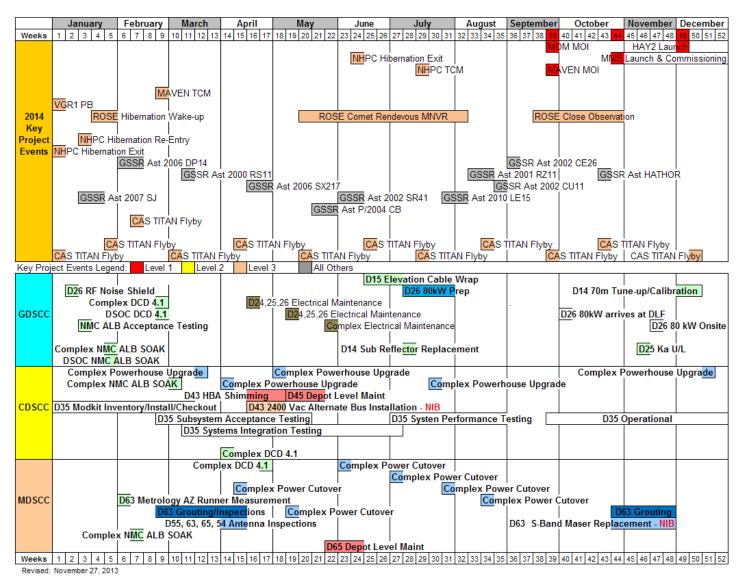
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Downtime	Antenna	Start Date	End Date	Weeks	POC	Notes
Pedestal Rehab	DSS-54	Feb 2018	Oct 2018	06 - 43	Ben Saldua	This is proposed at this time This date may change based on need Ka2 Tune-up is NIB weeks 36 & 37 and scheduled prior to JWST launch in 2018. Note: DSS-56 will be implemented prior to DSS-54. DSS-54 pedestal will move to DSS-53, the task will require more than 9 months to complete
XX/Ka Installation	DSS-25	Jan 2018	April 2018	01 - 14	Wendy Hodgin	XX/Ka requires 14 weeks - AZ Track will be NIB in weeks 05-14
	DSS-24	Apr 30, 2018	Jul 9, 2018	18 - 27		Ka2 Tune-up is NIB weeks 18 & 19 and scheduled prior to JWST launch in 2018
Ka2 Tune-up	DSS-34	May 28, 2018	Jun 4, 2018	22 & 23	Wendy Hodgin	All Ka2 Tune-ups (DSS-24, 34 and 54) must be scheduled prior to JWST launch in October 2018, If JWST launch slips, tune-ups may be slipped also. This is budget/resource driven

#### Resource Allocation Planning Service

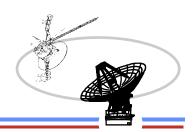


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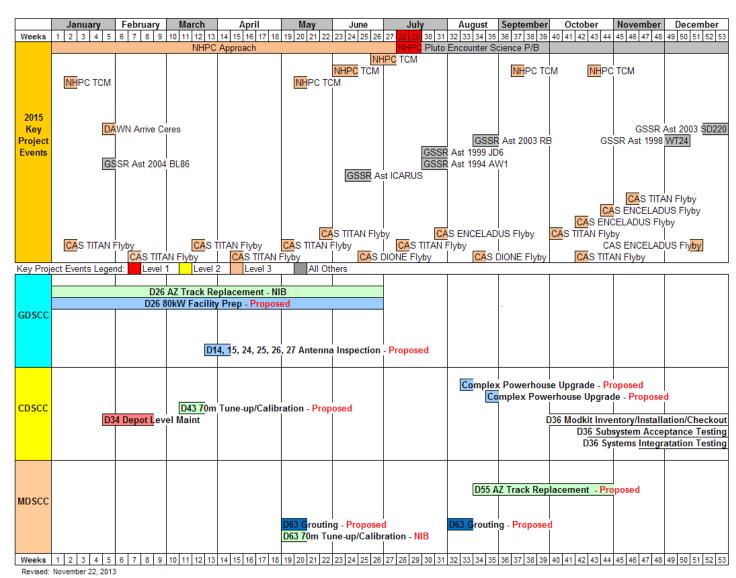


- 2014 -

#### Resource Allocation Planning Service



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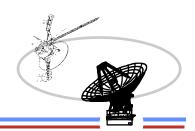


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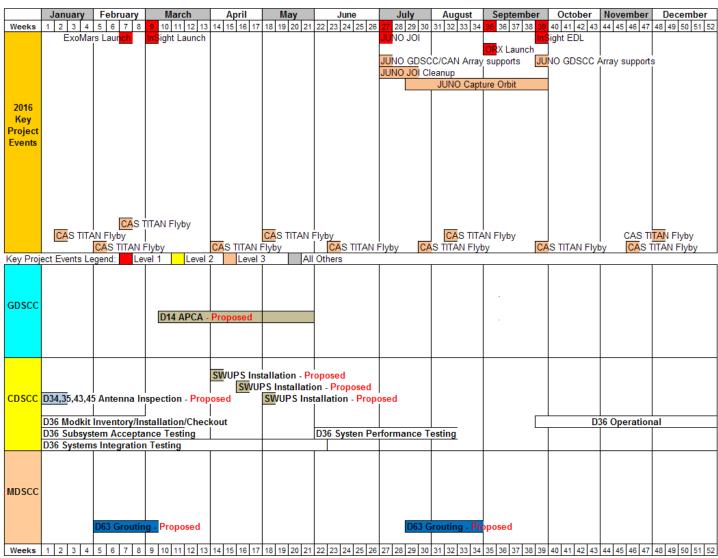
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#### Interplanetary Network Directorate (IND) Deep Space Network (DSN)

#### Resource Allocation Planning Service



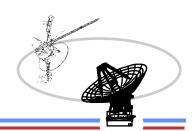
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#### Interplanetary Network Directorate (IND) Deep Space Network (DSN) Resource Allocation Planning Service



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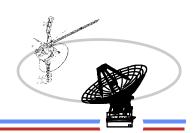
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Revised: December 20, 2013

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

### Resource Allocation Planning Service



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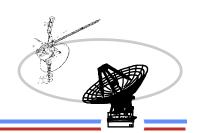
Revised: December 20, 2013



- 2019 -

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

### Resource Allocation Planning Service

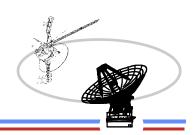


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	January	February	March	April	May	June	July	August	September	October	November	December
Weeks	1 2 3 4 5	6 7 8 9	10 11 12 13	14 15 16 17	18 19 20 21 22	23 24 25 26	27 28 29 30	31 32 33 34 35	36 37 38 39	October 40 41 42 43 44	45 46 47 48	49 50 51 52
2019 Key Project Events		SPP Beacon		P Solar Enc		X Tag 1 Reh			Solar Enc		SPP Veni	
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GDSCC												
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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 29 20 20	31 32 33 34 35	36 37 38 30	40 41 42 43 44	45 46 47 48	49 50 51 52

Weeks 1 2 3 4 Revised: April 25, 2013

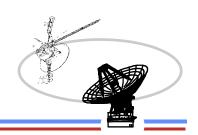




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		2014					
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY
DSS 26	RF Noise Shield	01/09/2014 16:00	01/10/2014 00:00	0	02 - 02	9	10
DSS 26	RF Noise Shield	01/10/2014 16:00	01/11/2014 00:00	0	02 - 02	10	11
SPC 10	NMC Acceptance Testing	01/16/2014 00:00	01/16/2014 06:00	0	03 - 03	16	16
GCF 20	DSOC NMC ALB SOAK	01/31/2014 00:00	01/31/2014 06:00	0	05 - 05	31	31
SPC 10	NMC ALB SOAK	02/02/2014 01:35	02/02/2014 07:35	0	05 - 05	33	33
DSS 63	Metrology AZ Runner Measeurement	02/03/2014 19:00	02/04/2014 01:20	0	06 - 06	34	35
DSS 63	Metrology AZ Runner Measeurement	02/04/2014 19:00	02/05/2014 07:00	0	06 - 06	35	36
DSS 63	Metrology AZ Runner Measeurement	02/05/2014 19:00	02/06/2014 07:00	0	06 - 06	36	37
DSS 63	Metrology AZ Runner Measeurement	02/06/2014 19:00	02/07/2014 07:00	0	06 - 06	37	38
SPC 60	NMC ALB SOAK	02/16/2014 07:00	02/16/2014 15:00	0	07 - 07	47	47
DSS 63	Grouting	02/24/2014 06:00	04/11/2014 17:00	46	09 - 15	55	101
SPC 10	DCD 4.1	02/24/2014 18:15	02/24/2014 22:15	0	09 - 09	55	55
GCF 20	DSOC DCD 4.1	02/24/2014 18:15	02/24/2014 22:15	0	09 - 09	55	55
SPC 40	NMC Automated Link Build - SOAK	03/05/2014 06:40	03/05/2014 12:40	0	10 - 10	64	64
SPC 40	Complex Powerhouse Upgrade	03/21/2014 21:25	03/22/2014 09:25	0	12 - 12	80	81
DSS 55	Antenna Inspection	03/31/2014 06:00	03/31/2014 14:00	0	14 - 14	90	90
DSS 65	Antenna Inspection	04/01/2014 06:00	04/01/2014 14:00	0	14 - 14	91	91
DSS 63	Antenna Inspection	04/02/2014 06:00	04/02/2014 14:00	0	14 - 14	92	92
SPC 40	DCD 4.1	04/02/2014 23:00	04/03/2014 05:00	0	14 - 14	92	93
DSS 54	Antenna Inspection	04/04/2014 06:00	04/04/2014 14:00	0	14 - 14	94	94
SPC 40	Complex Powerhouse Upgrade	04/04/2014 21:00	04/05/2014 03:00	0	14 - 14	94	95
DSS 55	Antenna Inspection	04/07/2014 06:00	04/07/2014 18:00	0	15 - 15	97	97
SPC 60	Complex Power Cutover	04/08/2014 05:00	04/08/2014 17:00	0	15 - 15	98	98

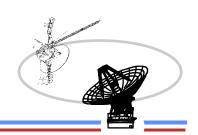




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		2014					
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY
DSS 65	Antenna Inspection	04/08/2014 06:00	04/08/2014 18:00	0	15 - 15	98	98
DSS 63	Antenna Inspection	04/09/2014 06:00	04/09/2014 18:00	0	15 - 15	99	99
DSS 54	Antenna Inspection	04/11/2014 06:00	04/11/2014 18:00	0	15 - 15	101	101
DSS 43	2400 Vac Alternate Bus Installatation - NIB	04/14/2014 21:00	05/02/2014 05:00	17	16 - 18	104	122
DSS 43	HBA Shimming	04/14/2014 21:00	05/02/2014 05:00	17	16 - 18	104	122
DSS 24	Electrical Maintenance	04/16/2014 15:00	04/17/2014 03:00	0	16 - 16	106	107
DSS 25	Electrical Maintenance	04/16/2014 15:00	04/17/2014 03:00	0	16 - 16	106	107
DSS 26	Electrical Maintenance	04/16/2014 15:00	04/17/2014 03:00	0	16 - 16	106	107
SPC 60	DCD 4.1	04/23/2014 07:00	04/23/2014 13:00	0	17 - 17	113	113
SPC 40	Complex Powerhouse Upgrade	04/30/2014 21:00	05/01/2014 03:00	0	18 - 18	120	121
DSS 45	Depot Level Maintenance	05/05/2014 21:00	05/23/2014 06:00	17	19 - 21	125	143
DSS 24	Electrical Maintenance	05/06/2014 14:00	05/07/2014 02:00	0	19 - 19	126	127
DSS 25	Electrical Maintenance	05/06/2014 14:00	05/07/2014 02:00	0	19 - 19	126	127
DSS 26	Electrical Maintenance	05/06/2014 14:00	05/07/2014 02:00	0	19 - 19	126	127
SPC 60	Complex Power Cutover	05/09/2014 05:00	05/09/2014 17:00	0	19 - 19	129	129
DSS 65	Depot Level Maintenance	05/26/2014 06:00	06/13/2014 17:00	18	22 - 24	146	164
SPC 10	Complex Electrical Maintenance	05/27/2014 13:00	05/28/2014 01:00	0	22 - 22	147	148
SPC 60	Complex Power Cutover	06/04/2014 05:00	06/04/2014 17:00	0	23 - 23	155	155
DSS 15	Elevation Cable Wrap	06/16/2014 15:00	07/04/2014 00:00	17	25 - 27	167	185
SPC 60	Complex Power Cutover	07/03/2014 05:00	07/03/2014 17:00	0	27 - 27	184	184
DSS 26	80KW Prep	07/07/2014 14:00	08/02/2014 00:00	25	28 - 31	188	214
DSS 14	Sub Reflector Replacement	07/07/2014 16:00	07/10/2014 00:00	2	28 - 28	188	191
DSS 14	Sub Reflector Replacement	07/10/2014 16:00	07/11/2014 00:00	0	28 - 28	191	192

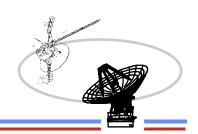




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2014										
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY			
DSS 14	Sub Reflector Replacement	07/11/2014 16:00	07/12/2014 00:00	0	28 - 28	192	193			
SPC 40	Complex Powerhouse Upgrade	07/23/2014 21:00	07/24/2014 03:00	0	30 - 30	204	205			
SPC 60	Complex Power Cutover	07/30/2014 05:00	07/30/2014 17:00	0	31 - 31	211	211			
SPC 60	Complex Power Cutover	08/20/2014 05:00	08/20/2014 17:00	0	34 - 34	232	232			
DSS 63	Grouting	10/27/2014 06:00	11/28/2014 17:00	32	44 - 48	300	332			
DSS 63	S-Band Maser Replacement - NIB	11/03/2014 06:00	11/28/2014 17:00	25	45 - 48	307	332			
DSS 25	Ka uplink	11/10/2014 14:00	11/17/2014 00:00	6	46 - 47	314	321			
DSS 14	70M Tune-up/Calibration	12/01/2014 15:00	12/15/2014 00:00	13	49 - 51	335	349			
SPC 40	Complex Powerhouse Upgrade	12/16/2014 21:00	12/17/2014 03:00	0	51 - 51	350	351			
SPC 40	Complex Powerhouse Upgrade	12/17/2014 21:00	12/18/2014 03:00	0	51 - 51	351	352			

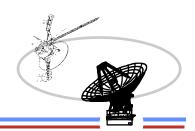




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2015										
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY			
DSS 26	80kW Prep - Proposed	12/29/2014 15:00	06/27/2015 00:00	179	01 - 26	363	178			
DSS 26	AZ Track Replacement - NIB	12/29/2014 15:00	06/27/2015 00:00	179	01 - 26	363	178			
DSS 34	Depot Level Maintenance	01/26/2015 21:00	02/20/2015 05:00	24	05 - 08	26	51			
DSS 43	70m Tune-up/Callibration - Proposed	03/09/2015 21:00	03/21/2015 06:00	11	11 - 12	68	80			
SPC 40	Complex Powerhouse Upgrade - Proposed	03/19/2015 21:00	03/20/2015 03:00	0	12 - 12	78	79			
DSS 14	Antenna Inspection - Proposed	03/23/2015 15:00	03/24/2015 03:00	0	13 - 13	82	83			
DSS 26	Antenna Inspection - Proposed	03/24/2015 15:00	03/25/2015 03:00	0	13 - 13	83	84			
DSS 24	Antenna Inspection - Proposed	03/25/2015 15:00	03/26/2015 03:00	0	13 - 13	84	85			
DSS 25	Antenna Inspection - Proposed	03/25/2015 15:00	03/26/2015 03:00	0	13 - 13	84	85			
DSS 15	Antenna Inspection - Proposed	03/26/2015 15:00	03/27/2015 03:00	0	13 - 13	85	86			
DSS 14	Antenna Inspection - Proposed	03/27/2015 15:00	03/28/2015 03:00	0	13 - 13	86	87			
DSS 27	Antenna Inspection - Proposed	03/27/2015 15:00	03/28/2015 03:00	0	13 - 13	86	87			
DSS 26	Antenna Inspection - Proposed	03/31/2015 15:00	04/01/2015 03:00	0	14 - 14	90	91			
DSS 25	Antenna Inspection - Proposed	04/01/2015 15:00	04/02/2015 03:00	0	14 - 14	91	92			
DSS 24	Antenna Inspection - Proposed	04/01/2015 15:00	04/02/2015 03:00	0	14 - 14	91	92			
DSS 15	Antenna Inspection - Proposed	04/02/2015 15:00	04/03/2015 03:00	0	14 - 14	92	93			
DSS 27	Antenna Inspection - Proposed	04/03/2015 15:00	04/04/2015 03:00	0	14 - 14	93	94			
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 63	Grouting - Proposed	08/03/2015 05:00	08/16/2015 17:00	14	32 - 33	215	228			
SPC 40	Complex Powerhouse Upgrade - Proposed	08/12/2015 21:00	08/13/2015 09:00	0	33 - 33	224	225			
DSS 55	AZ Track Replacement - Proposed	08/17/2015 06:00	10/31/2015 00:00	75	34 - 44	229	304			
SPC 40	Complex Powerhouse Upgrade	08/26/2015 21:00	08/27/2015 03:00	0	35 - 35	238	239			

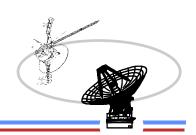




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2016										
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY			
DSS 43	Antenna Inspection - Proposed	01/04/2016 22:00	01/05/2016 14:00	1	01 - 01	4	5			
DSS 34	Antenna Inspection - Proposed	01/05/2016 22:00	01/06/2016 14:00	1	01 - 01	5	6			
DSS 45	Antenna Inspection - Proposed	01/06/2016 22:00	01/07/2016 14:00	1	01 - 01	6	7			
DSS 35	Antenna Inspection - Proposed	01/07/2016 22:00	01/08/2016 14:00	1	01 - 01	7	8			
DSS 43	Antenna Inspection - Proposed	01/11/2016 22:00	01/12/2016 06:00	0	02 - 02	11	12			
DSS 34	Antenna Inspection - Proposed	01/12/2016 22:00	01/13/2016 06:00	0	02 - 02	12	13			
DSS 63	Grouting - Proposed	02/01/2016 06:00	03/04/2016 17:00	32	05 - 09	32	64			
DSS 14	APCA - Proposed	03/07/2016 15:00	05/27/2016 00:00	80	10 - 21	67	148			
SPC 40	SWUPS Installation - Proposed	04/05/2016 21:00	04/06/2016 09:00	0	14 - 14	96	97			
SPC 40	SWUPS Installation - Proposed	04/20/2016 21:00	04/21/2016 09:00	0	16 - 16	111	112			
SPC 40	SWUPS Installation - Proposed	05/04/2016 21:00	05/05/2016 09:00	0	18 - 18	125	126			
DSS 63	Grouting - Proposed	07/18/2016 06:00	08/26/2016 17:00	39	29 - 34	200	239			

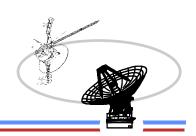




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2017										
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY			
DSS 63	APCA - NIB	02/20/2017 06:00	06/09/2017 17:00	109	08 - 23	51	160			
DSS 63	HBA Upgrade and Life Extension - Proposed	02/20/2017 06:00	06/09/2017 17:00	109	08 - 23	51	160			
DSS 55	Antenna Inspection - Proposed	05/29/2017 07:00	05/29/2017 23:00	1	22 - 22	149	149			
DSS 65	Antenna Inspection - Proposed	05/30/2017 07:00	05/30/2017 23:00	1	22 - 22	150	150			
DSS 63	Antenna Inspection - Proposed	05/31/2017 07:00	05/31/2017 23:00	1	22 - 22	151	151			
DSS 54	Antenna Inspection - Proposed	06/01/2017 07:00	06/01/2017 23:00	1	22 - 22	152	152			
DSS 55	Antenna Inspection - Proposed	06/05/2017 07:00	06/05/2017 15:00	0	23 - 23	156	156			
DSS 65	Antenna Inspection - Proposed	06/06/2017 07:00	06/06/2017 15:00	0	23 - 23	157	157			
DSS 54	Antenna Inspection - Proposed	06/09/2017 07:00	06/09/2017 15:00	0	23 - 23	160	160			
DSS 43	APCA - Proposed	10/30/2017 21:00	02/02/2018 06:00	94	44 - 05	303	33			

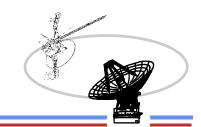




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2018										
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY			
DSS 25	XX/Ka Installation - Proposed	01/04/2018 15:00	04/07/2018 00:00	92	01 - 14	4	97			
DSS 25	AZ Track Replacement - NIB	01/29/2018 15:00	04/07/2018 00:00	67	05 - 14	29	97			
DSS 54	Pedestal Rehab	02/05/2018 06:00	10/26/2018 17:00	263	06 - 43	36	299			
DSS 14	Antenna Inspection - Proposed	04/08/2018 15:00	04/09/2018 06:00	1	14 - 15	98	99			
DSS 26	Antenna Inspection - Proposed	04/09/2018 15:00	04/10/2018 06:00	1	15 - 15	99	100			
DSS 25	Antenna Inspection - Proposed	04/10/2018 15:00	04/11/2018 06:00	1	15 - 15	100	101			
DSS 15	Antenna Inspection - Proposed	04/11/2018 15:00	04/12/2018 06:00	1	15 - 15	101	102			
DSS 27	Antenna Inspection - Proposed	04/12/2018 15:00	04/13/2018 06:00	1	15 - 15	102	103			
DSS 14	Antenna Inspection - Proposed	04/15/2018 15:00	04/16/2018 00:00	0	15 - 16	105	106			
DSS 26	Antenna Inspection - Proposed	04/16/2018 15:00	04/17/2018 00:00	0	16 - 16	106	107			
DSS 24	Antenna Inspection - Proposed	04/17/2018 15:00	04/18/2018 06:00	1	16 - 16	107	108			
DSS 27	Antenna Inspection - Proposed	04/18/2018 15:00	04/19/2018 00:00	0	16 - 16	108	109			
DSS 24	Ka2 Tune-up - NIB	04/30/2018 15:00	05/13/2018 00:00	12	18 - 19	120	133			
DSS 24	XX/Ka Installation - Proposed	04/30/2018 15:00	07/07/2018 00:00	67	18 - 27	120	188			
DSS 34	Ka2 Tune-up - Proposed	05/28/2018 21:00	06/04/2018 06:00	6	22 - 23	148	155			
DSS 54	Ka2 Tune-up - NIB	09/03/2018 06:00	09/17/2018 17:00	14	36 - 38	246	260			





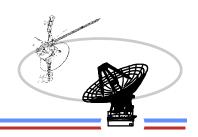
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#### Future assets new/upgrades

DSS-35 Installation and Operational 2013 – 2014
 Modkit Installation October 1, 2013 – March 14, 2014 weeks 40 – 11
 Acceptance Testing February 25, 2014 – May 12, 2013, weeks 09 – 20
 System Integration Testing March 14, 2014 – June 30, 2014 weeks 11 – 27
 Operations Systems Performance Testing June 30, 2014 – August 28, 2014, weeks 27 – 35
 Operational September 26, 2014
 DSS-26 80kW Installation 2014 – 2015
 80kW arrive at DLF October, 2014, week 40
 DDR September, 2015, week 38
 DSS-36 Installation and Operational 2016 – A placeholder has been set awaiting dates







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#### Antenna Downtime Status and Forecast

#### **DSN Resource Implementation Planning Matrix by Complex**

			S-B	and	X-Band		Ka-Band		Ka	X-Band	80KW
Complex	Station	Subnet	Down	Up	Down	Up	Down	Up	Phase 2	ACQ AID	OURW
10	DSS-27	34HSB#	4	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10	DSS-24	34B1	<b>Y</b>	•	~	•	N/A	N/A	~	•	N/A
10	DSS-25	34B2	N/A	N/A	>	>	4	>	N/A	N/A	N/A
10	DSS-26	34B2	N/A	N/A	>	>	4	N/A	N/A	N/A	10/01/15
10	DSS-15	34HEF	<	12/21/13	>	>	N/A	N/A	N/A	N/A	N/A
10	DSS-14	70M	>	۶	>	>	N/A	N/A	N/A	N/A	N/A
40	DSS-33*	34B2	N/A	N/A	10/01/19	10/01/19	10/01/19	N/A	N/A	N/A	N/A
40	DSS-34	34B1	•	•	~	~	`	N/A	~	•	N/A
40	DSS-35*	34B2	N/A	N/A	09/29/14	09/29/14	09/29/14	N/A	N/A	N/A	N/A
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
40	DSS-45	34HEF	<b>,</b>	•	•	•	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-54	34B1	~	~	~	~	~	N/A	~	~	N/A
60	DSS-55	34B2	N/A	N/A	~	~	`	N/A	N/A	N/A	N/A
60	DSS-56	34B2	N/A	N/A	09/28/20	09/28/20	09/28/20	N/A	N/A	N/A	N/A
60	DSS-65	34HEF	~	~	~	~	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 Applicable or Capability Not Planned

xx/xx/xx = Capability Date Recently Changed

As of: 9/16/2013

✓ ✓ ✓ = Capability Recently Exists

✓ = Capability Exists

\* = To Be Commissioned

# = To Be De-Commissioned - 12/8/2013