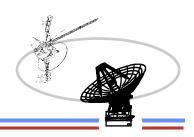
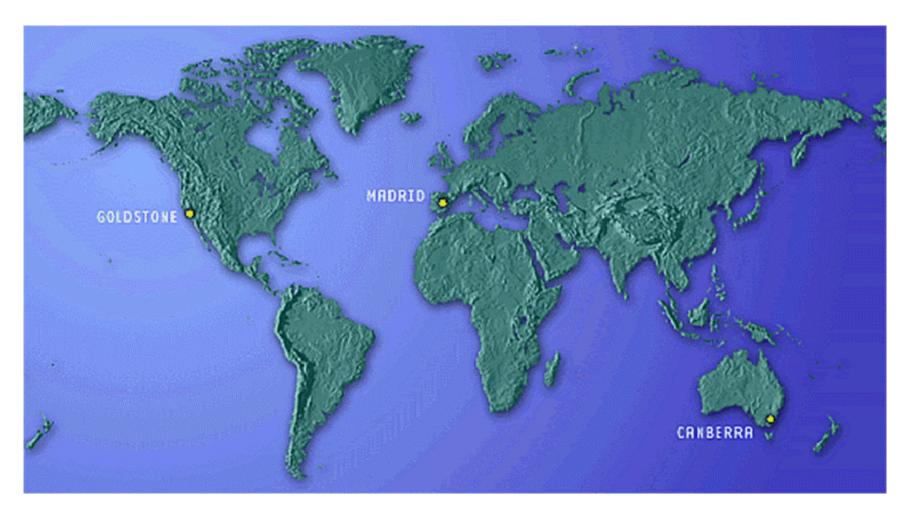


Resource Allocation Planning Service

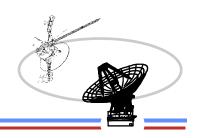


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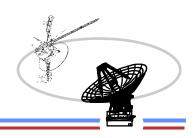


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Downtime	Antenna	Start Date	End Date	Weeks	POC	Notes
Complex downtime for NMC Automated Link Build (ALB) and Acceptance testing	GDSCC	Mar 2013 Jan 2014	Oct 2013 Jan 2014	10, 12, 17, 24, 32, 38, 43,49, 03	Jim Buckley, Dave Taylor, Shirley Cizmar	Request 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
HBI Calibrations	DSS-63	Nov 2013	Nov 2013	45/46	Bernardo Lopez, Asim Sehic	Request 2 night time 10 – 12 hour blocks for calibration of the current "10 degree bar" and "3.33 degree bar". This work is very critical in establishing where in the 360 degrees of azimuth travel before we start the epoxy regrout in March. Moved to Nov 2013 time frame
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	050710	Jim Buckley, Shirley Cizmar, Dave Taylor	Request 6 – 8 hours per block at each complex Rosetta activities have lessoned, as a result, DSOC and GDSCC in week 08 has been moved to week 05. DSOC is scheduled to be completed prior to NMC ALB and Is not network wide downtime – JPL only
Complex downtime for Power House Commission	CDSCC	March 2014 March 2015	Oct 2014 March 2015	10, 12, 15, 25, 41 10,12	John Phillips, Rob Mehrkish Dave Taylor	Prime shift hours are preferred. Week 10 downtime requires 12 hours. Downtimes in weeks 12, 15, 25, require 6 hours and week 41 requires two 6 hour downtimes. Week 10 downtime requires 12 hours, week 12 downtime requires 6 hours.





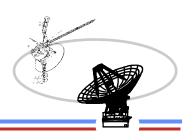


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Downtime	Antenna	Start Date	End Date	Weeks	POC	Notes
HBA Prep Metrology – AZ Runner Measurement	DSS-63	Feb 4 2014	Feb7 2014	06	Tim Sink	Requested 4 additional nights 12 hours each Jan/Feb 2014 timeframe – The first night of downtime was reduced to 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	10 - 15 44 - 48 19 & 20 32 & 33 14 - 17 40 - 43	Pam Rothman, Dave Taylor, David Munoz Mochon, Bernardo Lopez, Asim Sehic	An additional 2 weeks added to first grouting in 2014. 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
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 NIB Added Gain Select Installation NIB (BEB) Extended an additional 2 weeks through week 51. Demo tracks planned for week 48 because of project activities for Comet ISON Observing Campaign. – May RTS early



Resource Allocation Planning Service

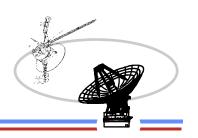


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Downtime	Antenna	Start Date	End Date	Weeks	POC	Notes
Complex downtime for SPC-60 Power Cutover	MDSCC	Apr 2014	Aug 2014	15, 19, 23, 27, 31, 34 2014	Anna Fan, Rob Mehrkish, Javier Lopez- Perea	Request 12 hours blocks of prime shift hours, but hours are negotiable. Weeks 7 & 11 were moved to weeks 31 & 34.
DSOC & DCD 4.1 software installation	GDSCC DSOC CDSCC MDSCC	Feb 2014 Apr 2014 Apr 2014	Feb 2014 Apr 2014 Apr 2014	08 14 17	Anna Fan, Sheila Garrett	Rosetta activities have lessoned as a result, DSOC and GDSCC have moved to week 8 Data at CDSCC and MDSCC will be spooled at the complex and delivered after the downtime is complete. CDSCC/MDSCC will be scheduled after GDSCC S/W installation Moved from week 16 to week 17 due to Easter Holiday
Depot Level Maintenance	DSS-35 DSS-45 DSS-43 DSS-65 DSS-34	Jan, 2014 Feb 2014 April 2014 May 2014 Jan 2015	Mar, 2014 Feb 2014 May 2014 May 2014 Feb 2015	01 - 11 07 - 09 16 - 18 20 - 22 05 - 08	John Phillips for CDSCC David Munoz Mochon for MDSCC	DSS-35 Modkit installation during Jan – Mar time frame DSS-43 and DSS-45 DLM were swapped due to CDSCC Powerhouse Complex DSS-43 changed to HBA Shimming and 2400 Vac Alternate Bus Installation will be NIB DSS-65 re-scheduled to occur after DSS-63 grouting



Resource Allocation Planning Service

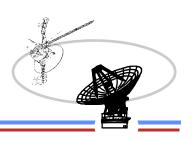


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Downtime	Antenna	Start Date	End Date	Weeks	POC	Notes
Replace Sub Reflector Cable	DSS-14	Feb 2014	Feb 2014	09	Erik Holmgren	Request 5 days to perform Sub Reflector Cable replacement Tracking available during night hours after the first 2 nights. Moved from week 07 to week 09 due to GSSR activities.
Antenna Inspections	MDSCC	April 2014 Aug 2017	April 2014 Aug 2017	14 & 15 35 & 36	Anna Fan, Neil Bucknam	MDSCC Inspections times moved from weeks 12 & 13 to weeks 14 & 15
80KW Prep	DSS-26	June 2014	June 2014	23 - 26	Erik Holmgren	Requested after October downtime meeting
Elevation Cable Wrap	DSS-15	July 2014	Aug 2014	29 - 31	Marwah Buck	Three weeks of downtime was requested during August Downtime meeting
X/X/K/A 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



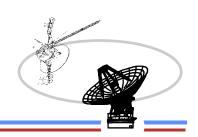
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Downtime	Antenna	Start Date	End Date	Weeks	POC	Notes
AZ Track Replacement	DSS-55	Mar 9, 2015 Aug 2015	Jun 26, 2015 March 2016	11 – 21 34 - 07	Pam Rothman, Asim Sehic	After the October downtime meeting, this downtime was moved from 2014, weeks 11 - 35
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
Antenna Inspections	CDSCC	Jan 2016	Jan 2016	1 & 2	Anna Fan, Dave Taylor, Neil Bucknam, Daniel Olson	2016 – During DSS-45 Maser Replacement
APCA	DSS-14 DSS-63 DSS-43	Nov, 2016 Feb, 2017 Sept 2017	Jan, 2017 Sept, 2017 Nov 2017	44 – 04 37 – 48 05 – 36	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



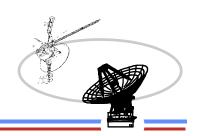


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Downtime	Antenna	Start Date	End Date	Weeks	POC	Notes
SWUPS Installation	CDSCC	Nov, 2016 Nov 2016 Nov, 2016	Nov, 2016 Nov 2016 Nov, 2016	44 46 48	Pete Hames	These blocks are proposed at this time 12 hour blocks for each downtime Must be done in daylight. There is a connection to the power house. Would like to move 9 months earlier if possible
HBA Upgrade and Life Extension	DSS-63	Jan 30, 2017	Sep 8, 2017	05 - 36	Dave Taylor, Bernardo Lopez	This is proposed at this time APCA and Maser Replacement are NIB Tentative date, may move to 2018 This is pending a decision of the extension of the grouting blocks to 5 weeks. APCA could be scheduled standalone, but will require at least 6 weeks.
Pedestal Rehab	DSS-54	Jan 8, 2018	Sep 28, 2018	02 - 39	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
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		



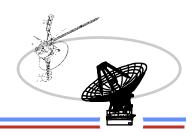
Resource Allocation Planning Service



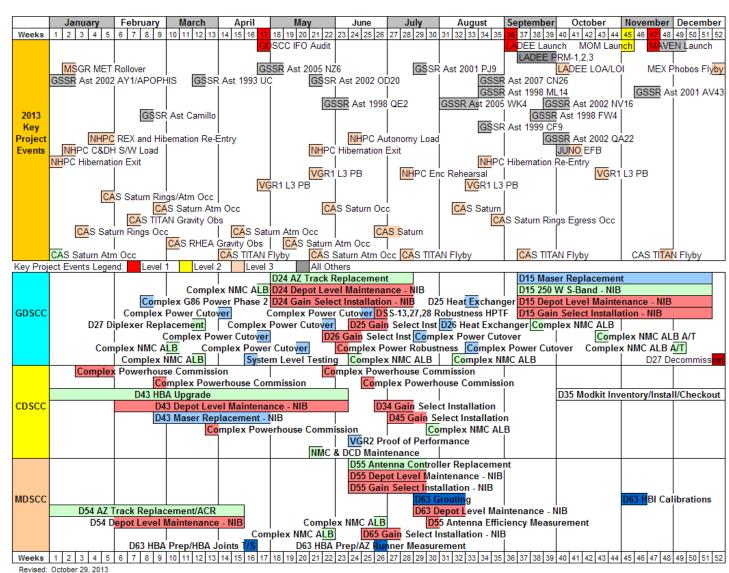
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Downtime	Antenna	Start Date	End Date	Weeks	POC	Notes
Ka2 Tune-up	DSS-24	May 1, 2018	May 13, 2018	18 & 19	Wendy Hodgin	Both Ka2 Tune-ups must be scheduled prior to JWST launch in October 2018, If JWST launch slips, tune-ups may be slipped also. This is
Ka2 Tune-up	DSS-34	May 28, 2018	Jun 4, 2018	22 & 23		budget/resource driven

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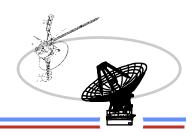


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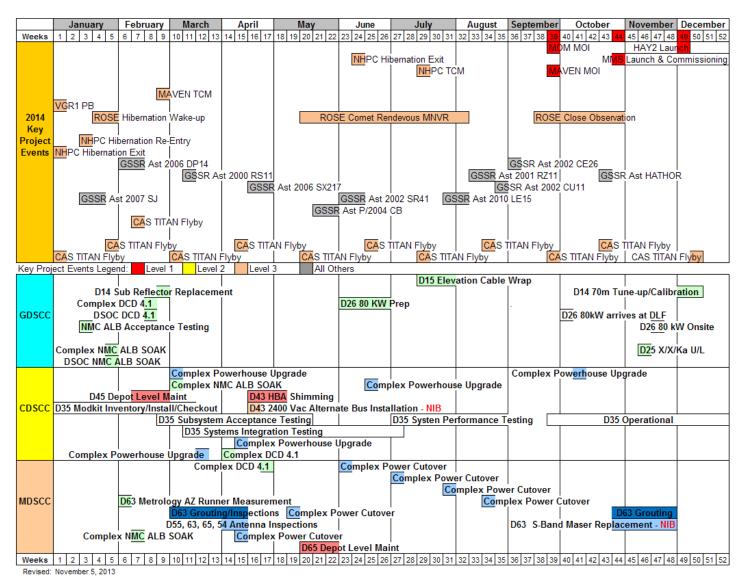


- 2013 -

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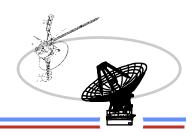


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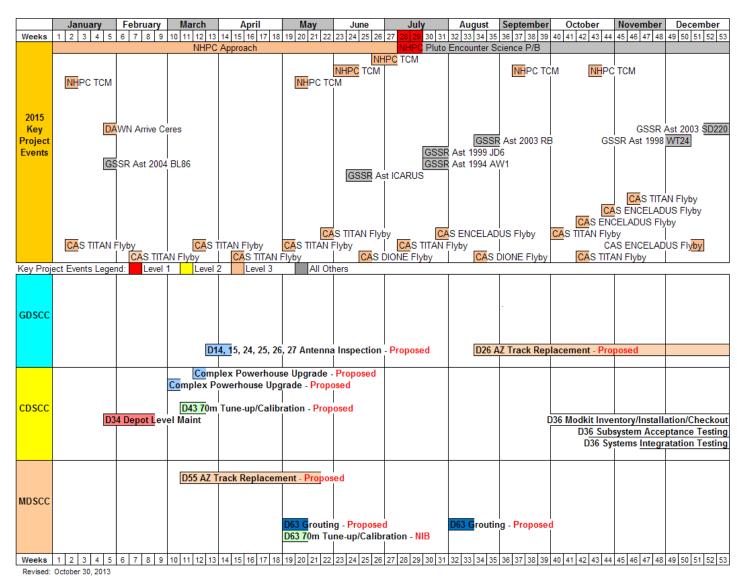


- 2014 -

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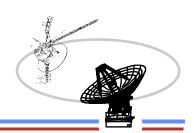


- 2015 -

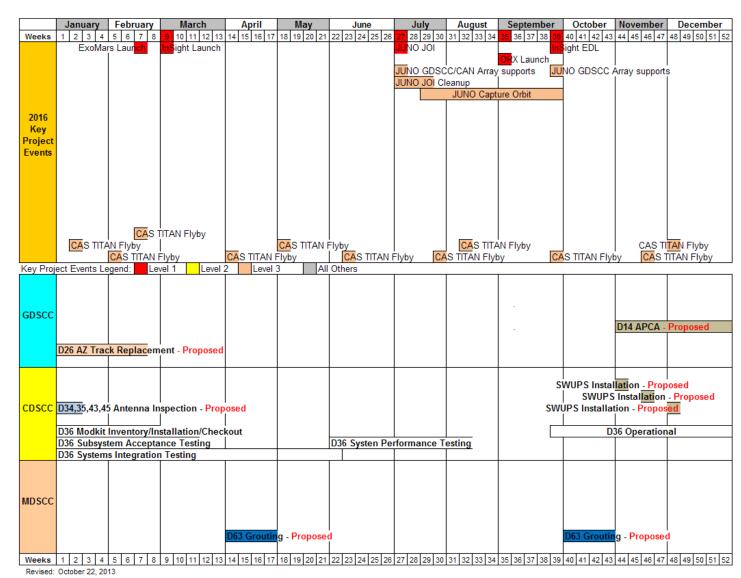
- 2016 -

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

Resource Allocation Planning Service

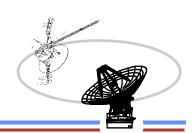


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- 2017 -

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



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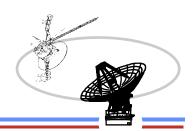
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Weeks	1	2 3 4	5	8 7	8	9 10	11	12 13	14	15 16	8 17	18 19	20 2	22	23 24	25 26	27 2	8 29 30	31	32 33	34 35	36 3	7 38 3	9 4	10 41 42 43	3 44	4 45 46 47	48 4	19 50 51 52
2017 Key Project Events																									DV <mark>UL</mark>	D E	COM		
Key Proj	ect E	Events Le	gend	i:	Lev	el 1		Level	2		AS T		Flyby	II Oth	ners														
GDSCC	D14	APCA -	Prop	ose	d																								
CDSCC																						0	43 AP	CA	- Propose	ed			
MDSCC								D63 I	IBA I	Upg	rade	s & L	ife Ex	tensi	ion - P	ropos	ed												
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Weeks	1	2 3 4	5	6 7	8	9 10	11	12 13	14	15 16	6 17	18 19	20 2	22	23 24	25 26	27 2	8 29 30	31	32 33	34 35	36 3	7 38 3	9 4	10 41 42 43	3 44	4 45 46 47	48 4	19 50 51 52

Revised: September 30, 2013

- 2018 -

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

Resource Allocation Planning Service



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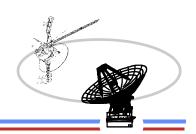
	January	February	March	April	May	June	July	August	September	October	November	December
Weeks	1 2 3 4	5 6 7 8	9 10 11 12 13	14 15 16 17	18 19 20 21 22	23 24 25 26	27 28 29 30	31 32 33 34 35	36 37 38 39	40 41 42 43	44 45 46 47 48	49 50 51 52
2018 Key Project Events				Mars 201	8 Launch and LE	EOP		SFP Launch an	d LEOP	ST Launc	h and Commissi	oning
Key Proj	ect Events Le	egend: Lev	vel 1 Level 2	2 Level	3 All Ot	hers		Ι				
GDSCC	D25 XX/Ka	Installation - D25 AZ Trac	Proposed k Replacement		D24 XX/Ka Inst D24 Ka2 Tune- 25, 26, 24, 15, 2	up NIB 		Proposed				
CDSCC					D3	4 Ka2 Tune-	up					
MDSCC				D54 P4	edistal Rehab -	Pronosed						
				D04 P0	euistai kenab -	Proposed			D54 Ka2 Tui	ne un NIR		
Weeks	1 2 3 4	5 6 7 0	9 10 11 12 13	14 15 16 17	18 19 20 21 22	23 24 25 26	27 28 20 20	31 32 33 34 35			44 45 46 47 40	49 50 51 52
WOOKS	1 2 3 4	0 0 1 0	0 10 11 12 13	14 10 10 17	10 10 20 21 22	20 27 20 20	21 20 20 30	01 02 00 04 00	50 31 30 33	70 71 72 43	TT 07 0 10 40	70 00 01 02

Revised: October 15, 2013

- 2019 -

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

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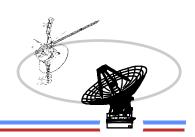


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Weeks	1 2 3		6 7 8	9	10 11	12 13	14 15	16 17	18 19	20 21	22 2	23 24 25	26	27 28 29	30	August 31 32 33 34 35	36 3	37 38 39	40 4	1 42	43 44	45 46	47 4	3 49	50 51 5
2019 Key Project Events			SPP Bea		L_			ar Enc				(Tag 1 R		Tag 1		SPP S				., .,					Flyby
K Di	ect Events I		ali III	evel	4	Level 2		Level	2	AII	Othe														
GDSCC																									
CDSCC																									
MDSCC																									
Weeks	1 2 3	4 5	6 7 8	0	10 11	12 12	14 15	16 17	19 10	20 24	22 2	22 24 25	26	27 29 20	20	31 32 33 34 35	26 3	7 20 20	40 4	1 42	43 44	45 46	17 /	40	50 51 5

Revised: April 25, 2013

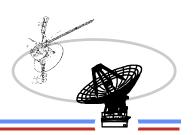




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	2013														
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY								
DSS 15	250W S-Band - NIB	09/09/2013 15:00	12/21/2013 00:00	102	37 - 51	252	355								
DSS 15	Depot Level Maintenance - NIB	09/09/2013 15:00	12/21/2013 00:00	102	37 - 51	252	355								
DSS 15	Gain Select Installation - NIB	09/09/2013 15:00	12/21/2013 00:00	102	37 - 51	252	355								
DSS 15	Maser Replacement	09/09/2013 15:00	12/21/2013 00:00	102	37 - 51	252	355								
DSS 63	HBI Calibration	11/10/2013 20:05	11/11/2013 08:50	1	45 - 46	314	315								
DSS 63	HBI Calibration	11/11/2013 20:05	11/12/2013 07:00	0	46 - 46	315	316								
SPC 10	NMC Automated Link Build - Acceptance testing	12/03/2013 02:45	12/03/2013 08:45	0	49 - 49	337	337								

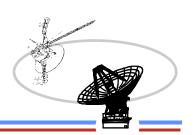




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		2014					
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY
SPC 10	NMC Acceptance Testing	01/16/2014 00:00	01/16/2014 06:00	0	03 - 03	16	16
GCF 20	DSOC NMC ALB SOAK	01/31/2014 00:00	01/31/2014 06:00	0	05 - 05	31	31
SPC 10	NMC ALB SOAK	02/02/2014 00:45	02/02/2014 06:45	0	05 - 05	33	33
DSS 63	Metrology AZ Runner Measeurement	02/03/2014 19:00	02/04/2014 07:00	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
DSS 45	Depot Level Maintenance	02/10/2014 21:00	02/28/2014 06:00	17	07 - 09	41	59
SPC 60	NMC ALB SOAK	02/16/2014 06:00	02/16/2014 14:00	0	07 - 07	47	47
SPC 10	DCD 4.1	02/19/2014 20:00	02/20/2014 00:00	0	08 - 08	50	51
GCF 20	DSOC DCD 4.1	02/19/2014 20:00	02/20/2014 00:00	0	08 - 08	50	51
DSS 14	Sub Reflector Cable	02/24/2014 14:00	02/27/2014 02:00	2	09 - 09	55	58
DSS 14	Sub Reflector Cable	02/27/2014 14:00	02/28/2014 00:00	0	09 - 09	58	59
DSS 14	Sub Reflector Cable	02/28/2014 14:00	03/01/2014 00:00	0	09 - 09	59	60
DSS 63	Grouting	03/03/2014 06:00	04/11/2014 17:00	39	10 - 15	62	101
SPC 40	NMC Automated Link Build - SOAK	03/05/2014 21:00	03/06/2014 05:00	0	10 - 10	64	65
SPC 40	Complex Powerhouse Upgrade	03/06/2014 19:00	03/07/2014 07:00	0	10 - 10	65	66
SPC 40	Complex Powerhouse Upgrade	03/21/2014 21:00	03/22/2014 03:00	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
DSS 55	Antenna Inspection	04/07/2014 06:00	04/07/2014 18:00	0	15 - 15	97	97
						D	vember 6, 2013

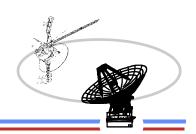




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2014										
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY			
SPC 60	Complex Power Cutover	04/08/2014 05:00	04/08/2014 17:00	0	15 - 15	98	98			
DSS 65	Antenna Inspection	04/08/2014 06:00	04/08/2014 18:00	0	15 - 15	98	98			
DSS 63	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			
SPC 40	Complex Powerhouse Upgrade	04/11/2014 22:00	04/12/2014 04:00	0	15 - 15	101	102			
DSS 43	Depot Level Maintenance	04/14/2014 21:00	05/02/2014 05:00	17	16 - 18	104	122			
DSS 43	2400 Vac Alternate Bus Installatation - NIB	04/15/2014 14:00	04/16/2014 02:00	0	16 - 16	105	106			
SPC 60	DCD 4.1	04/23/2014 07:00	04/23/2014 13:00	0	17 - 17	113	113			
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	05/12/2014 07:00	05/30/2014 16:00	18	20 - 22	132	150			
DSS 26	80KW Prep	06/02/2014 14:00	06/27/2014 02:00	24	23 - 26	153	178			
SPC 60	Complex Power Cutover	06/04/2014 05:00	06/04/2014 17:00	0	23 - 23	155	155			
SPC 40	Complex Powerhouse Upgrade	06/18/2014 22:00	06/19/2014 04:00	0	25 - 25	169	170			
SPC 60	Complex Power Cutover	07/03/2014 05:00	07/03/2014 17:00	0	27 - 27	184	184			
DSS 15	Elevation Cable Wrap	07/14/2014 15:00	08/01/2014 00:00	17	29 - 31	195	213			
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			
SPC 40	Complex Powerhouse Upgrade	10/07/2014 21:00	10/08/2014 03:00	0	41 - 41	280	281			
SPC 40	Complex Powerhouse Upgrade	10/08/2014 21:00	10/09/2014 03:00	0	41 - 41	281	282			
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	XX/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			

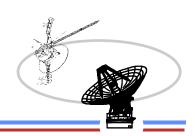




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2015										
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY			
DSS 34	Depot Level Maintenance	01/26/2015 21:00	02/20/2015 05:00	24	05 - 08	26	51			
SPC 40	Complex Powerhouse Upgrade - Proposed	03/04/2015 19:00	03/05/2015 07:00	0	10 - 10	63	64			
DSS 55	AZ Track Replacement - Proposed	03/09/2015 06:00	05/22/2015 17:00	74	11 - 21	68	142			
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			
DSS 26	AZ Track Replacement	08/17/2015 15:00	02/19/2016 02:00	185	34 - 07	229	50			

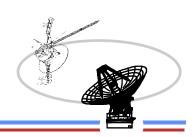




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2016										
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY			
DSS 43	Antenna Inspection - Proposed	01/04/2016 22:00	01/05/2016 14:00	1	01 - 01	4	5			
DSS 34	Antenna Inspection - Proposed	01/05/2016 22:00	01/06/2016 14:00	1	01 - 01	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	04/04/2016 06:00	04/29/2016 17:00	25	14 - 17	95	120			
DSS 63	Grouting - Proposed	10/03/2016 06:00	10/28/2016 17:00	25	40 - 43	277	302			
DSS 14	APCA - Proposed	10/31/2016 15:00	01/27/2017 00:00	87	44 - 04	305	27			
SPC 40	SWUPS Installation - Proposed	11/02/2016 21:00	11/03/2016 09:00	0	44 - 44	307	308			
SPC 40	SWUPS Installation - Proposed	11/16/2016 21:00	11/17/2016 09:00	0	46 - 46	321	322			
SPC 40	SWUPS Installation - Proposed	11/30/2016 21:00	12/01/2016 09:00	0	48 - 48	335	336			

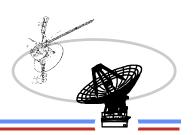




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2017										
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY			
DSS 63	APCA - NIB	01/30/2017 06:00	09/08/2017 17:00	221	05 - 36	30	251			
DSS 63	HBA Upgrade and Life Extension - Proposed	01/30/2017 06:00	09/08/2017 17:00	221	05 - 36	30	251			
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 43	APCA - Proposed	09/11/2017 21:00	12/01/2017 06:00	80	37 - 48	254	335			



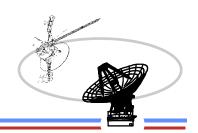


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2018									
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY		
DSS 25	XX/Ka Installation - Proposed	01/04/2018 15:00	04/07/2018 00:00	92	01 - 14	4	97		
DSS 54	Pedestal Rehab	01/08/2018 06:00	09/28/2018 17:00	263	02 - 39	8	271		
DSS 25	AZ Track Replacement - NIB	01/29/2018 15:00	04/07/2018 00:00	67	05 - 14	29	97		
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		



Resource Allocation Planning Service



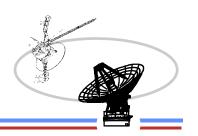
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Future assets new/upgrades

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



Resource Allocation Planning Service



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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	OURVV
10	DSS-27	34HSB#	>	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10	DSS-24	34B1	>	•	>	>	N/A	N/A	•	•	N/A
10	DSS-25	34B2	N/A	N/A	>	>	>	>	N/A	N/A	N/A
10	DSS-26	34B2	N/A	N/A	>	>	•	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	>	>	>	>	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	>	•	•	•	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	¥	~	¥	v	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