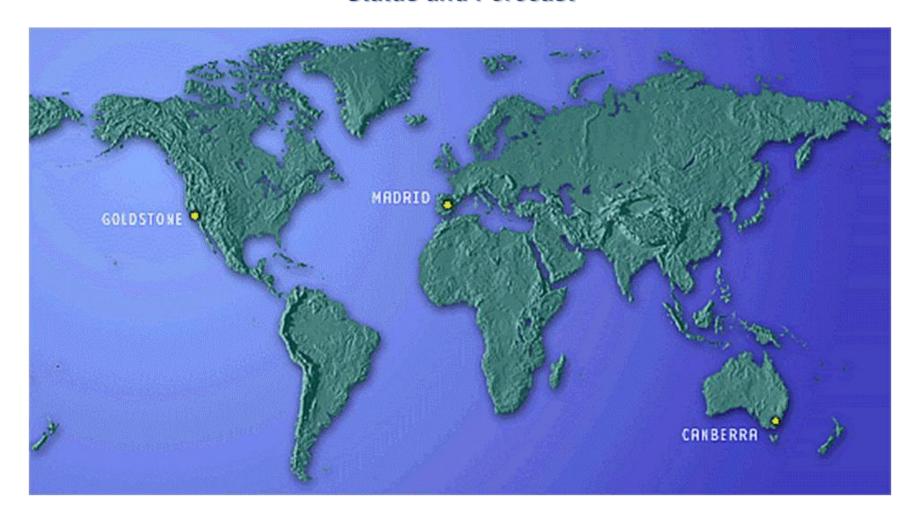


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Downtime	Antenna	Start Date	End Date	Weeks	POC	Notes
NMC D3.2 SPS 1.4 I&T, AT Install/SOAK/D3.3 Install/SOAK	CDSCC	Feb 2015 May 2015	Dec 2015 Dec 2015	49 50	Jim Buckley Shirley Cizmar, Dave Taylor	All NMC task in 2015 have been completed except weeks 49 & 50. Week 49 has been partially completed, require an additional 8-hour block in Dec/Jan time frame for Asset Manager (AM) Database upgrade.
NMC 4-MSPA I&T, AT SOAK Install, Ops Install  NMC Operational Readiness Test	GDSCC CDSCC MDSCC CDSCC MDSCC DSOC/	Feb 2016 May 2016 May 2016 Nov 2016 Nov 2016 Nov	Aug 2016 Aug 2016 June 2016 Nov 2016 Nov 2016 Nov	06, 15, 30 11 & 31 19 & 23 45 45		Require 8 hour downtimes in 2016 for NMC 4-MSPA tasks.  Week 13 task at CDSCC moved to week 11.  All task need to be scheduled during dayshift hours.  Require additional 8 hour blocks in November for Operational Readiness testing. CDSCC was moved to week 45 prior to MDSCC due to a conflict with a mission event.
AZ Track Replacement	GDSCC DSS-55 DSS-25	2016 Aug 2015 Apr 2018	2016 Nov 2015 Jun 2018	34 – 49 14 – 23	Pam Rothman Daniel Olson	On schedule with new extension or Completed?  This is NIB to XX/Ka Installation.
Power Work	GDSCC	Dec 2015	Dec 2015	51	Ethan Copitch	Require 16 hour downtime for Apollo Valley Power Work. DSS-26 Comm & PPC Integration will be NIB DSS-14 & DSS-15 will have separate power work tasks.



## Resource Allocation Planning Service

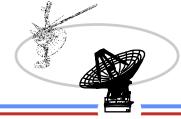


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Downtime	Antenna	Start Date	End Date	Weeks	POC	Notes
Depot Level Maintenance  Mini DLM	DSS-34  Complex	Nov 2015 May 2016	Dec 2015  May 2016	49 – 51	Paul Richter Bernardo Lopez, John Phillips	DSS-34 moved to December time frame and extended 2 weekdays into week 51 Exciter Obsolescence will be NIB to DLM.  Need to perform 70m DLM. DSS-63 will be done sometime during APCA/HBA Grout, as well as LNA.  Antenna Inspection move to 2017.and changed to Mini DLM
Depot Level Maintenance	DSS-43	Feb 2017	Mar 2017	07 – 09		NIB to Exciter Obsolescence Installation and LNA Maintenance.
UWV Feed Update	DSS-35	Nov 2015	Nov 2015	45– 46	Chris Link	Install UWV Feed Update components from DSS-13 at DSS-35 and test. Completed
Complex downtime for Power House Commission	CDSCC	Dec 2015 March 2016	Dec 2015 April 2016	50 12 & 14	John Phillips, Cameron Lyon Dave Taylor	Requires at least 4 6-hour downtimes between Aug 2015 and April 2016, prefer daylight hours, no weekends.  Additional downtime requested for Feb/March timeframe
APCA	DSS-14	Jan 2016	May 2016	04 – 19	Anna Fan, Barzia Tehrani	Moved to weeks 04-19 to finish early in preparation for JNO JOI. Suggest doing a demo with JNO prior to RTS.
	DSS-43	Oct 2017	Feb 2018	42 – 06	Dave Taylor	DSS-43 extended an additional 3 weeks on the back end. An additional 2 weeks was added on the front end.
	DSS-63	Mar 2018	Nov 2018	11 – 45		DSS-63 will be in conjunction to the HBA Grouting and is extended to 35 weeks.



## Resource Allocation Planning Service



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Downtime`	Antenna	Start Date	End Date	Weeks	POC	Notes
Pedestal Metrology	DSS-54  DSS-55	Feb 2016 Feb 2018 Feb 2016 Feb 2017 Feb 2018 Jan 2019 Feb 2016 Feb 2016 Feb 2017 Feb 2016 Feb 2017 Feb 2018 Feb 2017 Feb 2018 Feb 2019	Jul 2016 Aug 2017 Aug 2018 Aug 2019 Jul 2016 Aug 2017 Aug 2018 Aug 2019 Jul 2016 Aug 2019 Jul 2016 Aug 2019 Aug 2019 Aug 2019 Jul 2016 Aug 2017 Aug 2018 Aug 2017 Aug 2018	04 & 32 07 & 34 08 & 32 06 & 31 06 & 28 05 & 32 03 & 34 04 & 33 07 & 34 06 & 35 05 & 29 08 & 35	David Munoz Muchon Bernardo Lopez	Will measure pedestal stability twice a year in Summer and Winter, through Summer 2019. Require 2 consecutive nights.  Will be NIB to shimming in week 32, 2016 Will be NIB to Grouting/APCA in week 32  Will be NIB to LNA in week 31  Will be NIB to LNA and Exciter in week 28  Will be NIB to Ka2 Tune-up in week 5
Power Plant Controller Replacement	MDSCC	April 2016	May 2016	14, 17 & 21	Javier Lopez- Perea	Require a minimum of 15 days separation between downtimes. Tasks moved from weeks 47, 02 and 05, to weeks 14, 17 and 21





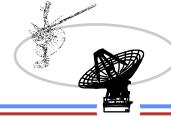


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Downtime	Antenna	Start Date	End Date	Weeks	POC	Notes
SWUPS Installation	CDSCC	May 2016 May 2016 May 2016	May 2016 May 2016 May 2016	20 21 21	Dave Taylor Hal Ahlstrom	Must be done in daylight, There is a connection to the power house.  Need to avoid InSight/Inspire/MCO activities. There may be Fire Detection issues. Antenna Inspections and TXR RF Characterization will be scheduled NIB  Will be completed prior to JNO JOI. Will use diesel power instead for the JOI.
Shimming Grouting	DSS-63	May 2016 Jul 2016 Mar 2018	May 2016 Aug 2016 Nov 2018	20 & 21 29 - 33 11 – 45	Dave Taylor, Ryan Higuera David Munoz Mochon, Bernardo Lopez, Asim Sehic	Approved additional 2 weeks in May.  July is shortened due to Cas. 2 additional sections may need regrouting requiring an additional 2 weeks.  Grouting for 2017 has moved to 2018 and extended to 35 weeks in conjunction with the APCA. With the extended time thid will be a180 degree regrout. Grout and APCA will be combined as 1 activity with the weeks divided between the 2
Ka2 Tune-up	DSS-34 DSS-54 DSS-24	Oct 2016 Jan 2017 Mar 2017	Nov 2016 Feb 2017 Mar 2017	44 & 45 04 & 05 11 & 12	Wendy Hodgin	DSS-34 moved to 2016, weeks 44 & 45 with LNA NIB in week 44. This was moved to allow time prior to TESS launch in August 2017.  This is budget/resource driven There is a task to build 4th Ka2/S-Band capabilities. This needs to be done 6 months prior to TESS Launch.  MERR is scheduled 6 weeks prior to launch. LNA downtime will include Ka2 after the Tune-ups.





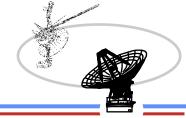


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Downtime	Antenna	Start Date	End Date	Weeks	POC	Notes
Antenna Inspections/ TXR RF Characterization	CDSCC  MDSCC  GDSCC  CDSCC	Jan 2017 Jun 2018 May 2019 Jan 2020	Jan 2017 Jun 2018 May 2019 Jan 2020	02 & 03 24 & 25 21 & 22 04 & 05	Dave Taylor Daniel Olson Harout Matossian	Inspections require 12 hours, 8 hours NIB to maintenance with 4 hours following for TXR RF Characterization during inspections.  Per discussion with engineers the Inspection will use the first 6 hours of downtime and release the last 6 hours for TXR task at each complex.  Note: Cannot do Inspection/TXR RF Characterization on 2 antenna on a given day.  Inspection slipped 1 year
Follow the Sun Ops Test	Network wide, SPC- 10, 40, 60	Jan 2017 Mar 2017 May 2017 Jun 2017	Jan 2017 March 2017 May 2017 Jun 2017	03 10 19 25	Shirley Cizmar	Require 14 hour Network downtime for testing the Follow the sun (FtS) remote Ops. All 3 complexes concurrent.  Require 14 hour Network downtime for testing the Follow the sun (FtS) remote Ops. All 3 complexes concurrent.  Require 14 hour Network downtime for testing the Follow the sun (FtS) remote Ops. All 3 complexes concurrent.  Require 14 hour Network downtime for testing the Follow the sun (FtS) remote Ops. All 3 complexes concurrent.  Require 14 hour Network downtime for testing the Follow the sun (FtS) remote Ops. All 3 complexes concurrent.  Performing remote Ops during the last test. No additional task can co-exist during these downtimes
XMTR Controller Replacement	DSS-14	Jun 2017	Jun 2017	25 & 26	Ryan Higuera	Require 2 weeks for transmitter controller replacement in place of L-Band Install task



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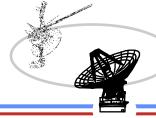


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Downtime	Antenna	Start Date	End Date	Weeks	POC	Notes
S-Band Install	DSS-26	Sept 2017	Oct 2017	36 – 42	Wendy Hodgin	GDSCC cannot support the downtime as planned in weeks 14-19, so the downtime has moved to weeks 36-42
XX/Ka Installation	DSS-25 DSS-24	Mar 2018 Feb 2019	Jun 2018 Apr 2019	10 – 23 06 – 17	Wendy Hodgin	XX/Ka requires 14 weeks - AZ Track will be NIB in weeks 14 – 23. Needs to happen as soon after JNO end of mission as possible. DSS-24 is not funded at this time, but still in the plan to proceed with downtime. Moving to early 2019 for 12 weeks.
Pedestal Rehab	DSS-54	Nov 4, 2019	Apr 30, 2021	45 – 17	Bernardo Lopez	This Rehab could take 15 – 18 months to complete. Servo Replacement and Transmitter Replacement will be NIB. DSS-56 will become operational October 1, 2019 with Ka2/S-Band feed. If DSS-54 is not available for JWST, the Ka2 will be installed at DSS-55. If we wait for DSS-56 to become operational and DSS-54 can operate until then, DSS-54 will start Pedestal Rehab the first weeks of Nov 2019 and end the last week of April 2021. Servo and Transmitter Replacements will be NIB Status of this task is still unknown at this time.
El Bearing Replacement	DSS-63	Apr 20, 2020	Jul 10, 2020	17 – 28	Asim Sehic	This downtime was request on 11/14/2014. There are about 5-6 years of bearing life left based on last inspection. Bernardo will check with Asim.



## Resource Allocation Planning Service

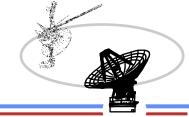


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## 70m Major Downtimes 2015 - 2020

Downtime	Ant	Start Date	End Date	Weeks	Status	# of Days	Notes and next downtime date
APCA	DSS-14	Jan 25, 2016	May 13, 2016	04 – 19	Approved	109	LNA is scheduled NIB in week 04
Depot Level Maintenance	DSS-43	Feb 19, 2017	Mar 3, 2017	07 – 09	Approved	12	NIB to Exciter Obsolescence Installation Next downtime is October of 2017
APCA	DSS-43	Oct 30, 2017	Feb 9, 2018	44 – 06	Approved	101	LNA is scheduled NIB in week 02 of 2018
Shimming	DSS-63	May 16, 2016	May 27, 2016	30 – 31	Approved	11	Next downtime is July of 2016.
Shimming	DSS-63	Jul 25, 2016	Aug 5, 2016	30 – 31	Approved	11	Next downtime is March of 2018.
Grouting/APCA	DSS-63	Mar 12, 2018	Nov 9, 2018	11 – 45	Proposed	243	Next downtime is April of 2020
El Bearing Replacement	DSS-63	Apr 20, 2020	Jul 10, 2020	17 – 27	Proposed	446	

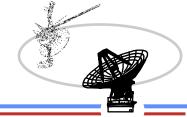




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Antenna	Start Date	End Date	Week	STATUS	Number of Days	2015 LNAs	Number of months since last LNA
DSS-43	Jan	Jan	01	Approved	5	Mar, Jun, Oct, Nov, Dec of 2015	10 months
DSS-63	Jan	Jan	03	Approved	5	Jan, Nov of 2015 During grouting	13 months
DSS-14	Jan	Jan	04	Approved	5	Dec of 2014 During APCA	13 months
DSS-25	Apr	Apr	14	Approved	3	Feb, Jul, Oct of 2015	14 months
DSS-45	Apr	Apr	17	Approved	4	Feb, Apr, Jul of 2015	14 months
DSS-24	May	May	19	Approved	3	Apr, Aug of 2015 After DSS-14 APCA	13 months
DSS-26	June	June	25	Approved	3	May 2015	13 months
DSS-54	Jul	Jul	28	Approved	3	Jun 2015	13 months
DSS-15	Aug	Aug	32	Approved	3	Mar of 2015	17 months
DSS-34	Nov	Nov	44	Approved	3	Sep, Nov 2015	14 months
DSS-65	Nov	Nov	46	Approved	4	Jul, Dec 2015	16 months
DSS-35	Dec	Dec	49	Approved	50 hours	Oct 2015	14 months
DSS-55	Dec	Dec	50	Approved	3	Aug 2015	16 months

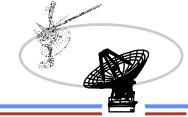




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Antenna	Start Date	End Date	Week	STATUS	Number of Days	Notes for 2017 LNAs	Number of months since last LNA
DSS-43	Mar	Mar	08 & 09	Proposed	5	NIB to Exciter Obsolescence	14 months
DSS-14	Mar	Mar	13	Proposed	5	Stand Alone	14 months
DSS-63	May	May	19	Proposed	5	Stand Alone	16 months
DSS-25	June	June	22	Proposed	3	Stand Alone	14 months
DSS-24	July	July	27	Proposed	3	Stand Alone	10 months
DSS-54	Oct	Oct	41	Proposed	3	Stand Alone	15 months

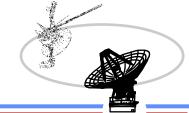




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Antenna	Start Date	End Date	Week	STATUS	Number of Days	Notes for 2018 LNAs	Number of months since last LNA
DSS-43	Jan	Jan	02	Proposed	5	NIB to APCA	10 months
DSS-55	Feb	Feb	05	Proposed	3	Stand Alone	13 months
DSS-14	Mar	Mar	09	Proposed	5	Stand Alone	11 months
DSS-34	Mar	Mar	09	Proposed	3	Ka2 will be added to process	14 months
DSS-35	Apr	Apr	16	Proposed	50 hours	Stand Alone	14 months
DSS-63	June	June	23	Proposed	5	NIB to APCA/Grouting	13 months
DSS-24	Sept	Sept	39	Proposed	3	Ka2 will be added to process	14 months
DSS-54	Nov	Nov	47	Proposed	3	Ka2 will be added to process	13 months

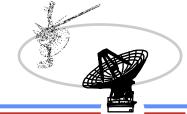




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Antenna	Start Date	End Date	Week	STATUS	Number of Days	Notes for 2019 LNAs	Number of months since last LNA
DSS-43	Mar	Mar	10	Proposed	5	Stand Alone	14 months
DSS-34	May	May	18	Proposed	3	Stand Alone	14 months
DSS-14	May	May	19	Proposed	5	Stand Alone	14 months
DSS-55	May	May	21	Proposed	3	Stand Alone	14 months
DSS-35	June	June	23	Proposed	50 hours	Stand Alone	14 months
DSS-25	June	June	24	Proposed	3	Stand Alone	13 months
DSS-63	Aug	Aug	31	Proposed	5	Stand Alone	14 months
DSS-24	Dec	Dec	49	Proposed	3	Stand Alone	13 months





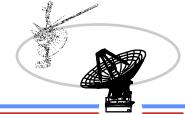
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### Exciter Obsolescence Install 2015 – 2018

Antenna	Start Date	End Date	Week	Status	Number of Days	Notes
DSS-34	Nov 30, 2015	Dec 15, 2015	49 – 51	Approved	12	NIB to DLM
DSS-24	May 9, 2016	May 13,2016	19	Approved	5	DSS-24 LNA NIB
DSS-54	Jul 11, 2016	Jul 15, 2016	28	Approved	5	DSS-54 LNA/Single Axis LOTO NIB
DSS-15	Aug 8, 2016	Aug 11, 2016	32	Approved	5	DSS-15 LNA NIB
DSS-63	Jul 25, 2016	Jul 30, 2016	30	Approved	5	NIB to Shimming
DSS-65	Nov 14, 2016	Nov 19, 2016	46	Approved	5	DSS-65 LNA NIB
DSS-55	Dec 12, 2016	Dec 16, 2016	50	Approved	5	DSS-55 LNA NIB
DSS-43	Feb 19 , 2017	Mar 3, 2017	07 – 09	Proposed	5	DLM & LNA NIB
DSS-14	Jun 19, 2017	Jun 24, 2017	25	Proposed	5	NIB to L-Band Install
DSS-25	Apr 2, 2018	Apr 7, 2018	14	Proposed	5	NIB to AZ Track Replacement XX/Ka Install

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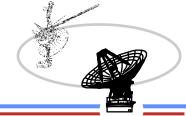


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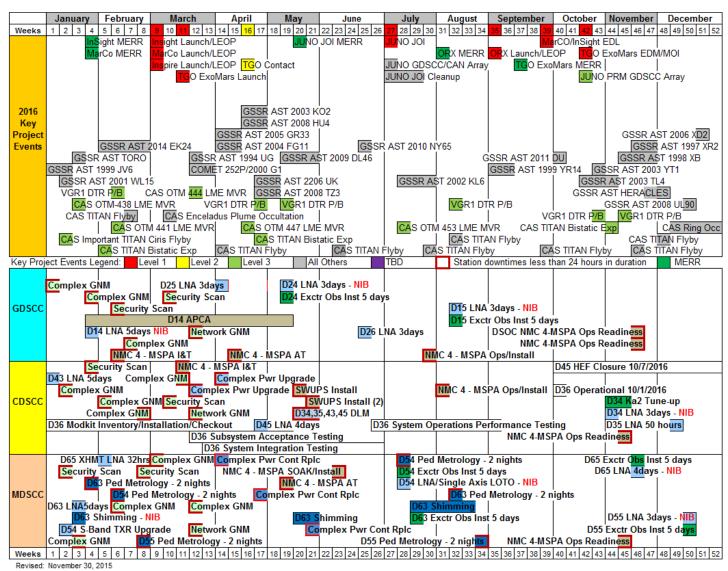
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		DSCO N	MCC #1	1	MMS A	OP Development	D	SCO RNG LC	II-2 NHPC St	atus Check,	First Look D/	L		
				_		NHPC	P-45 Hazard		NHPC Prime	Knowledge	U/L - Phone I	Home D/L		PLC VOI
		NH	HPC TO	CM-15 B	2 (P-126)	D:	SCO RNG LO	I-1	NHPC Enco	unter Entry N	/O Op Nav, F	ailsafe D/L - Bist	atic U/L F	LC RE-VOI2
		MSG	R OCI	N-12/OC	M-12c	NHPC REX (	DRT	NH	IPC TCM-17/17 I			-22 P-13 CORE S		
			DAW	/N Critic		NHPC TCM-16			M-17 B2 (P-30)		Lunar Ecli <mark>ps</mark> e			-by
2015						N HGA B-DDOR		NHPC P-39			N Critical D/L		Post TCMs	
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		IBY2 Ka-Band	d Mono	/HGA B					P-29/P-28/P-27				SR Ast 1998	
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- 2015 -

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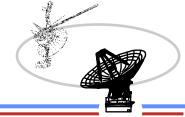


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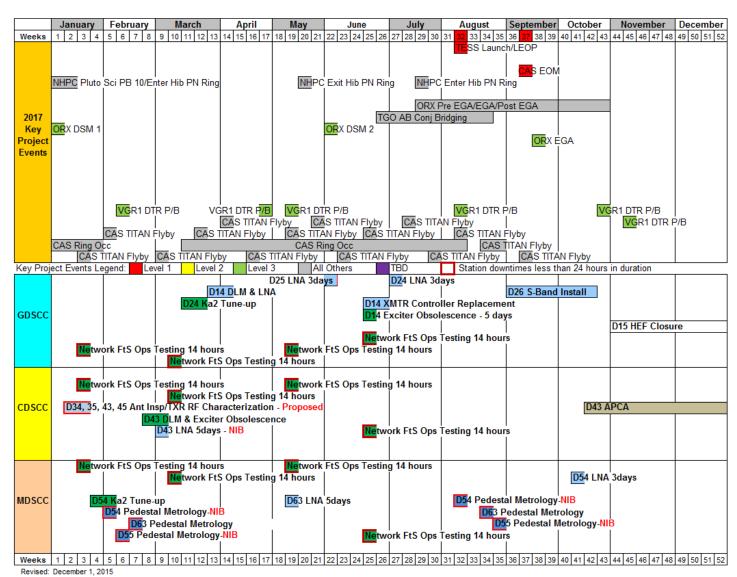


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## Resource Allocation Planning Service

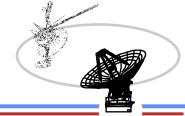


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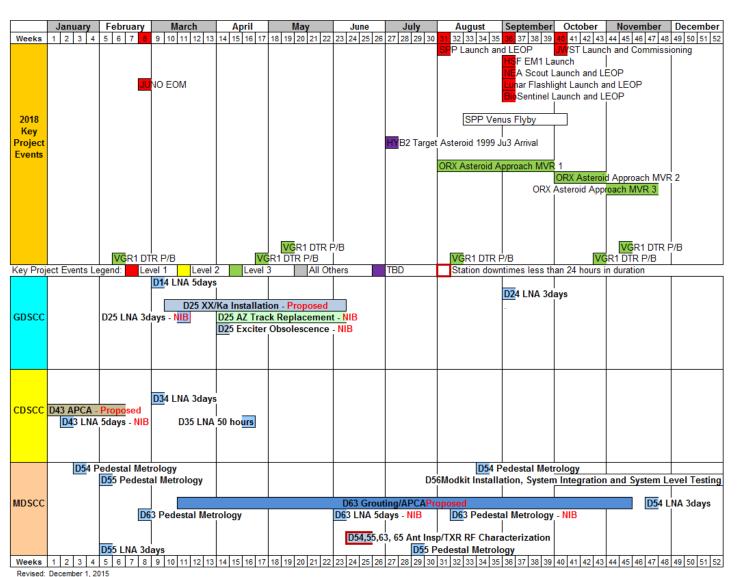


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## Resource Allocation Planning Service

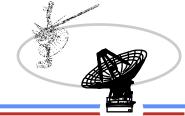


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Revised: December 1, 2015

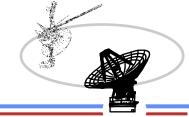
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Weeks	1 2 3 4 5			April	May 18 19 20 21 22	June 23 24 25 26	27 28 29 30	31 32 33 34 35				49 50 51 52
Weeks		SPP Beac			ORX Touch & G			SPP S	Solar Enc	Asteroid 1999 J	SPP Ven	us Flyby
2019 Key Project Events					D14,2	4,25,26, Ant	Insp/TXR RF	Characterizati	on			
Key Proj	ect Events Lege	VGR1 DTR F			VGR1 DTR F R1 DTR P/B 3 All Ot		TBD	VGR1 DTR F		VGR1	DTR P/B VGR1 DTR F	P/B
GDSCC		D24 XX/Ka I	nstallation -	Proposed	D14 LNA 5d	]		F Characteriza	tion - Propos		D24 LNA 3da	ys ]
CDSCC			<u>D4</u> 3 LNA 5d		D34 LNA 3days	L						
										D65 Decommis	sion	
		D56	Modkit Insta	llation, Syst	em Integration	and System	Level Testin			D56	Operational	
MDCCC		DC2 Dad+	 					D54 Ped	estal Metrolo		- d A :1 2024	Dranas
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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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- 2019 -

- 2020 -

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

## Resource Allocation Planning Service

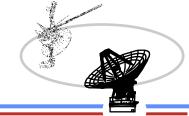


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	January	February	March	April	May 18 19 20 21 22	June	July	August	September	October	November	December 49 50 51 52 53
Weeks	1 2 3 4 5	6 7 8 9	10 11 12 13	14 15 16 17	18 19 20 21 22	23 24 25 26	27 28 29 30	31 32 33 34 35	36 37 38 39	40 41 42 43 44	45 46 47 48	49 50 51 52 53
							Mars 2020 L			HYB2	 2 Earth Re-Er 	
2020					SF	PP Venus Fly	SPP Ven	us Flyby			MARS	S 2020 Ap <mark>proach</mark>
Key Project Events												
Kay Proj	ect Events Leger		R1 DTR P/B		VGR1 DTR I R1 DTR P/B		TBD	VGR1 DTR F			VGR1 DTR F	P/B
Key Floje	ect Events Leger	lu. Level	Lever	Level	)   All Ol	illers	וטט	Station dow	illines less ti	ian 24 nours in c	Juration	
GDSCC												
CDSCC	D34,3:	5,36,43 Ant I	nsp/TXR RF	Characteriza	ation							
				D6	3 El Bearing R	eplacement	- Proposed					
				D5/I Do	distal Rohah h	egin Novem	her 2019 one	   April 2021 - <mark>P</mark> r	onosed			
MDSCC				D34 Pe		egin Novem Servo/XMTR I			oposeu			
					231 0		, , , , , , , , , , , , , , , , , , ,					
		D53	Modkit Insta	llation, Syste	em Integration	and System	Level Testir	ig		D53 (	Operational	·
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: December 1, 2015

## Resource Allocation Planning Service

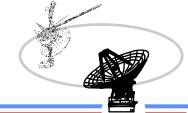


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	,	Janu	іагу	F	ebru	ıary	M	larch		A	pril	ا	May		June		Jι	ıly	1	August 32   33   34		Septe	mber	г	Octo	ber	Nov	embe	er [	Decer	nber
Weeks	1	2 3	4 5	6	7	8 9	10 1	1 12	13	14 15	16 17	18 1	9 20 21	1 22	23 24	25 2	26 27 2	8 29 30	31	32 33 34	4 35	36 3	7 38 3	39 4	0 41 4	42 43	44 4	5 46	47	48 49	50 51
2021 Key Project Events			PP Ve								re MVF									F EM2 L		ch	OR)	X As	teroid	Sam	ple R	eturn	Cap	osule I	Release
Key Proj	ect E	Event	ts Lege	end:		_evel *	1	Le	vel 2		Level	3	A	II Ot	hers		TBD			Station	dow	ntime	s less	s tha	an 24 f	nours	in du	ration			
CDSCC																															
MDSCC	D54	Ped	distal F D54 Se	Reha	ab B	TR Re	eplad	eme	nt -	NIB								nsp/TXF		Charac	teri	zatio	n		De	3 Or.	eratio	nal			
	<u> </u>			Т		טטט	woa	KIL III	ətali	auoi	i, Jyst	em m	negrat	1011	anu 3	yster	III LEVE	ar resu	iig		Т			$\top$	טט	J Op	latic	ла	Т		
									$\perp$					$\perp$		$\perp$			<u> </u>		$\perp$		, ,	$\perp$			<u> </u>		$\perp$		
Weeks	1	2 3	4 5	6	7	8 9	10 1	1 12	13	14 15	16 17	18 1	9 20 21	1 22	23 24	25 2	26 27 2	8 29 30	31	32 33 34	4 35	36 3	7 38	39 4	0 41 4	42 43	44 4	5 46	47	48 49	50 51

- 2021 -





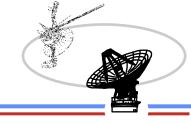
Jet Propulsion Laboratory
California Institute of Technology

		2015					
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY
DSS 55	AZ Track Replacement	08/18/2015 06:00	12/04/2015 18:00	108	34 - 49	230	338
DSS 34	Depot Level Maintenance	11/30/2015 21:00	12/15/2015 05:00	14	49 - 51	334	349
DSS 34	Exciter Obsolescence Install-NIB	11/30/2015 21:00	12/15/2015 05:00	14	49 - 51	334	349
SPC 60	NMC D3.3 Install	12/11/2015 18:20	12/12/2015 02:20	0	50 - 50	345	346
SPC 40	Complex Powerhouse Upgrade	12/11/2015 21:00	12/12/2015 03:00	0	50 - 50	345	346
SPC 10	Power Work/D26 PPC & Comm - NIB	12/17/2015 14:00	12/18/2015 06:00	1	51 - 51	351	352



## Resource Allocation Planning Service

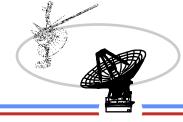
Jet Propulsion Laboratory
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		2016					
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY
DSS 43	LNA Maintenance	01/04/2016 00:00	01/09/2016 00:00	5	01 - 01	4	9
DSS 54	S-Band TXR Upgrade	01/13/2016 06:00	01/15/2016 15:00	2	02 - 02	13	15
DSS 63	LNA Maintenance	01/18/2016 00:00	01/23/2016 00:00	5	03 - 03	18	23
DSS 63	Shimming - NIB	01/18/2016 00:00	01/23/2016 00:00	5	03 - 03	18	23
DSS 14	LNA Maintenance - NIB	01/25/2016 00:00	01/30/2016 00:00	5	04 - 04	25	30
DSS 14	APCA	01/25/2016 15:00	05/13/2016 23:00	109	04 - 19	25	134
DSS 63	Pedestal Metrology	01/25/2016 20:00	01/26/2016 04:00	0	04 - 04	25	26
DSS 63	Pedestal Metrology	01/26/2016 20:00	01/27/2016 04:00	0	04 - 04	26	27
DSS 54	Pedestal Metrology	02/08/2016 22:30	02/09/2016 07:15	0	06 - 06	39	40
DSS 54	Pedestal Metrology	02/09/2016 19:30	02/10/2016 03:30	0	06 - 06	40	41
SPC 10	NMC 4 - MSPA I&T	02/10/2016 16:00	02/11/2016 00:00	0	06 - 06	41	42
DSS 55	Pedestal Metrology	02/22/2016 20:00	02/23/2016 07:00	0	08 - 08	53	54
DSS 55	Pedestal Metrology	02/23/2016 20:00	02/24/2016 07:00	0	08 - 08	54	55
SPC 40	NMC 4 - MSPA I&T	03/15/2016 21:00	03/16/2016 05:00	0	11 - 11	75	76
SPC 40	Complex Powerhouse Upgrade	03/23/2016 21:00	03/24/2016 05:00	0	12 - 12	83	84
DSS 25	LNA Maintenance	04/04/2016 00:00	04/07/2016 00:00	3	14 - 14	95	98
SPC 60	Power Plant Controller Replacement	04/06/2016 06:00	04/06/2016 14:00	0	14 - 14	97	97
SPC 40	Complex Powerhouse Upgrade	04/06/2016 21:00	04/07/2016 05:00	0	14 - 14	97	98
SPC 10	NMC 4 - MSPA AT	04/15/2016 15:00	04/15/2016 23:00	0	15 - 15	106	106
DSS 45	LNA Maintenance	04/25/2016 00:00	04/29/2016 00:00	4	17 - 17	116	120
SPC 60	Power Plant Controller Replacement	04/27/2016 06:00	04/27/2016 14:00	0	17 - 17	118	118
DSS 24	LNA Maintenance - NIB	05/09/2016 00:00	05/12/2016 00:00	3	19 - 19	130	133
DSS 24	Exciter Obselescence Install	05/09/2016 15:00	05/14/2016 00:00	4	19 - 19	130	135



Resource Allocation Planning Service

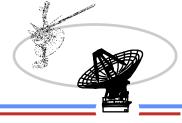


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		2016					
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY
SPC 60	NMC 4 - MSPA AT	05/14/2016 06:00	05/14/2016 14:00	0	19 - 19	135	135
DSS 63	Shimming - Proposed	05/16/2016 06:00	05/27/2016 17:00	11	20 - 21	137	148
DSS 43	Mini DLM	05/16/2016 22:00	05/17/2016 10:00	0	20 - 20	137	138
DSS 34	Mini DLM	05/17/2016 22:00	05/18/2016 10:00	0	20 - 20	138	139
DSS 45	Mini DLM	05/18/2016 22:00	05/19/2016 10:00	0	20 - 20	139	140
DSS 35	Mini DLM	05/19/2016 22:00	05/20/2016 10:00	0	20 - 20	140	141
SPC 40	SWUPS Installation	05/19/2016 22:00	05/20/2016 10:00	0	20 - 20	140	141
DSS 43	Mini DLM	05/24/2016 22:00	05/25/2016 10:00	0	21 - 21	145	146
SPC 40	SWUPS Installation	05/24/2016 22:00	05/25/2016 10:00	0	21 - 21	145	146
SPC 60	Power Plant Controller Replacement	05/25/2016 06:00	05/25/2016 14:00	0	21 - 21	146	146
DSS 34	Mini DLM	05/25/2016 22:00	05/26/2016 10:00	0	21 - 21	146	147
DSS 45	Mini DLM	05/26/2016 22:00	05/27/2016 10:00	0	21 - 21	147	148
SPC 40	SWUPS Installation	05/26/2016 22:00	05/27/2016 10:00	0	21 - 21	147	148
DSS 35	Mini DLM	05/27/2016 22:00	05/28/2016 10:00	0	21 - 21	148	149
SPC 60	NMC 4 - MSPA SOAK/Install	06/10/2016 06:00	06/10/2016 14:00	0	23 - 23	162	162
DSS 26	LNA Maintenance	06/20/2016 00:00	06/23/2016 00:00	3	25 - 25	172	175
DSS 54	LNA/Single Axis LOTO - NIB	07/11/2016 00:00	07/15/2016 00:00	4	28 - 28	193	197
DSS 54	Exciter Obsolescence Install	07/11/2016 06:00	07/15/2016 17:00	4	28 - 28	193	197
DSS 54	Pedestal Metrology	07/11/2016 22:00	07/12/2016 05:00	0	28 - 28	193	194
DSS 54	Pedestal Metrology	07/12/2016 22:00	07/13/2016 05:00	0	28 - 28	194	195
DSS 63	Exciter Obsolescence Install-NIB	07/18/2016 06:00	07/22/2016 17:00	4	29 - 29	200	204
DSS 63	Shimming	07/18/2016 06:00	08/19/2016 17:00	32	29 - 33	200	232
SPC 10	NMC 4 -MSPA Ops Install	07/30/2016 15:00	07/30/2016 23:00	0	30 - 30	212	212



Resource Allocation Planning Service

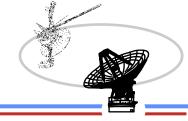


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		2016					
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY
SPC 40	NMC 4 - MSPA OPs Install	08/02/2016 22:00	08/03/2016 06:00	0	31 - 31	215	216
DSS 15	LNA Maintenance - NIB	08/08/2016 00:00	08/11/2016 00:00	3	32 - 32	221	224
DSS 15	Exciter Obsolescence Install	08/08/2016 15:00	08/13/2016 00:00	4	32 - 32	221	226
DSS 63	Pedestal Metrology	08/09/2016 22:00	08/10/2016 05:00	0	32 - 32	222	223
DSS 63	Pedestal Metrology	08/10/2016 22:00	08/11/2016 05:00	0	32 - 32	223	224
DSS 55	Pedestal Metrology	08/22/2016 22:00	08/23/2016 05:00	0	34 - 34	235	236
DSS 55	Pedestal Metrology	08/23/2016 22:00	08/24/2016 05:00	0	34 - 34	236	237
DSS 45	Decommissioned	10/07/2016 00:00	01/01/2050 00:00	12139	40 - 52	281	1
DSS 34	LNA Maintenance -NIB	10/31/2016 00:00	11/03/2016 00:00	3	44 - 44	305	308
DSS 34	Ka2 Tune-up - Proposed	10/31/2016 21:00	11/11/2016 06:00	10	44 - 45	305	316
SPC 40	NMC Ops Readiness	11/08/2016 21:00	11/09/2016 05:00	0	45 - 45	313	314
SPC 60	NMC Ops Readiness	11/10/2016 06:00	11/10/2016 14:00	0	45 - 45	315	315
DSS 65	LNA Maintenance - NIB	11/14/2016 00:00	11/18/2016 00:00	4	46 - 46	319	323
DSS 65	Exciter Obselescence Install	11/14/2016 06:00	11/19/2016 17:00	5	46 - 46	319	324
SPC 10	NMC Ops Readiness	11/18/2016 16:00	11/19/2016 00:00	0	46 - 46	323	324
GCF 20	NMC Ops Readiness	11/18/2016 16:00	11/19/2016 00:00	0	46 - 46	323	324
DSS 35	LNA Maintenance	12/05/2016 00:00	12/08/2016 00:00	3	49 - 49	340	343
DSS 55	LNA Maintenance - NIB	12/12/2016 00:00	12/16/2016 00:00	4	50 - 50	347	351
DSS 55	Exciter Obsolescence Install	12/12/2016 06:00	12/17/2016 17:00	5	50 - 50	347	352



Resource Allocation Planning Service



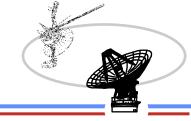
**Jet Propulsion Laboratory California Institute of Technology** 

		2017					
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY
DSS 43	Ant Insp/TXR RF Characterization - Proposed	01/09/2017 22:00	01/10/2017 10:00	0	02 - 02	9	10
DSS 34	Ant Insp/TXR RF Characterization - Proposed	01/10/2017 22:00	01/11/2017 10:00	0	02 - 02	10	11
DSS 45	Ant Insp/TXR RF Characterization - Proposed	01/11/2017 22:00	01/12/2017 10:00	0	02 - 02	11	12
DSS 35	Ant Insp/TXR RF Characterization - Proposed	01/12/2017 22:00	01/13/2017 10:00	0	02 - 02	12	13
DSS 43	Ant Insp/TXR RF Characterization - Proposed	01/16/2017 22:00	01/17/2017 10:00	0	03 - 03	16	17
DSS 34	Ant Insp/TXR RF Characterization - Proposed	01/17/2017 22:00	01/18/2017 10:00	0	03 - 03	17	18
DSS 45	Ant Insp/TXR RF Characterization - Proposed	01/18/2017 22:00	01/19/2017 10:00	0	03 - 03	18	19
DSS 35	Ant Insp/TXR RF Characterization - Proposed	01/19/2017 22:00	01/20/2017 10:00	0	03 - 03	19	20
SPC 60	Follow the Sun Ops Testing	01/21/2017 14:00	01/22/2017 02:00	0	03 - 03	21	22
SPC 40	Follow the Sun Ops Testing	01/21/2017 14:00	01/22/2017 02:00	0	03 - 03	21	22
SPC 10	Follow the Sun Ops Testing	01/21/2017 14:00	01/22/2017 02:00	0	03 - 03	21	22
DSS 54	Ka2 Tune-up	01/23/2017 07:00	02/03/2017 17:00	11	04 - 05	23	34
DSS 54	Pedestal Metrology	01/30/2017 20:00	01/31/2017 07:00	0	05 - 05	30	31
DSS 54	Pedestal Metrology	01/31/2017 20:00	02/01/2017 07:00	0	05 - 05	31	32
DSS 55	Pedestal Metrology	02/06/2017 20:00	02/07/2017 07:00	0	06 - 06	37	38
DSS 55	Pedestal Metrology	02/07/2017 20:00	02/08/2017 07:00	0	06 - 06	38	39
DSS 63	Pedestal Metrology	02/13/2017 20:00	02/14/2017 07:00	0	07 - 07	44	45
DSS 63	Pedestal Metrology	02/14/2017 20:00	02/15/2017 07:00	0	07 - 07	45	46
DSS 43	DLM & Exciter Obsolescence Install	02/19/2017 21:00	03/03/2017 21:00	12	07 - 09	50	62
DSS 43	LNA - NIB	02/26/2017 21:00	03/03/2017 21:00	5	08 - 09	57	62
SPC 10	Follow the Sun Ops Testing	03/09/2017 12:00	03/10/2017 00:00	0	10 - 10	68	69
SPC 60	Follow the Sun Ops Testing	03/09/2017 12:00	03/10/2017 00:00	0	10 - 10	68	69
SPC 40	Follow the Sun Ops Testing	03/09/2017 12:00	03/10/2017 00:00	0	10 - 10	68	69



## Resource Allocation Planning Service

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		2017					
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY
DSS 24	Ka2 Tune-up - Proposed	03/13/2017 15:00	03/25/2017 00:00	11	11 - 12	72	84
DSS 14	DLM & LNA Maintenance	03/27/2017 00:00	04/07/2017 23:00	12	13 - 14	86	97
DSS 63	LNA Maintanance	05/08/2017 00:00	05/13/2017 00:00	5	19 - 19	128	133
SPC 10	Follow the Sun Ops SOAK	05/13/2017 12:00	05/14/2017 02:00	1	19 - 19	133	134
SPC 40	Follow the Sun Ops SOAK	05/13/2017 12:00	05/14/2017 02:00	1	19 - 19	133	134
SPC 60	Follow the Sun Ops SOAK	05/13/2017 12:00	05/14/2017 02:00	1	19 - 19	133	134
DSS 25	LNA Maintenance	05/30/2017 00:00	06/02/2017 00:00	3	22 - 22	150	153
DSS 14	Exciter Obsolescence - NIB	06/19/2017 15:00	06/24/2017 23:00	5	25 - 25	170	175
DSS 14	Transmitter Controller Replacement	06/19/2017 15:00	06/30/2017 23:00	11	25 - 26	170	181
SPC 10	Follow the Sun Ops Testing	06/22/2017 12:00	06/23/2017 02:00	1	25 - 25	173	174
SPC 40	Follow the Sun Ops Testing	06/22/2017 12:00	06/23/2017 02:00	1	25 - 25	173	174
SPC 60	Follow the Sun Ops Testing	06/22/2017 12:00	06/23/2017 02:00	1	25 - 25	173	174
DSS 24	LNA Maintenance	07/03/2017 00:00	07/06/2017 00:00	3	27 - 27	184	187
DSS 54	Pedestal Metrology	08/07/2017 22:00	08/08/2017 05:00	0	32 - 32	219	220
DSS 54	Pedestal Metrology	08/08/2017 22:00	08/09/2017 05:00	0	32 - 32	220	221
DSS 63	Pedestal Metrology	08/21/2017 22:00	08/22/2017 05:00	0	34 - 34	233	234
DSS 63	Pedestal Metrology	08/22/2017 22:00	08/23/2017 05:00	0	34 - 34	234	235
DSS 55	Pedestal Metrology	08/28/2017 22:00	08/29/2017 05:00	0	35 - 35	240	241
DSS 55	Pedestal Metrology	08/29/2017 22:00	08/30/2017 05:00	0	35 - 35	241	242
DSS 26	S-Band Install	09/04/2017 15:00	10/20/2017 02:00	45	36 - 42	247	293
DSS 15	Decommissioned	10/01/2017 00:00	01/01/2050 00:00	11780	39 - 52	274	1
DSS 54	LNA Maintenance	10/09/2017 00:00	10/12/2017 00:00	3	41 - 41	282	285
DSS 43	APCA - Proposed	10/16/2017 21:00	02/09/2018 06:00	115	42 - 06	289	40



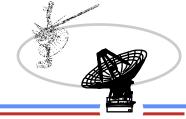
## Resource Allocation Planning Service

Jet Propulsion Laboratory
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		2018					
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY
DSS 43	LNA Maintenance	01/08/2018 21:00	01/13/2018 21:00	5	02 - 02	8	13
DSS 54	Pedestal Metrology	01/15/2018 20:00	01/16/2018 07:00	0	03 - 03	15	16
DSS 54	Pedestal Metrology	01/16/2018 20:00	01/17/2018 07:00	0	03 - 03	16	17
DSS 55	LNA Maintenance	01/29/2018 00:00	02/03/2018 00:00	5	05 - 05	29	34
DSS 55	Pedestal Metrology	01/29/2018 20:00	01/30/2018 07:00	0	05 - 05	29	30
DSS 55	Pedestal Metrology	01/30/2018 20:00	01/31/2018 07:00	0	05 - 05	30	31
DSS 63	Pedestal Metrology	02/19/2018 20:00	02/20/2018 07:00	0	08 - 08	50	51
DSS 63	Pedestal Metrology	02/20/2018 20:00	02/21/2018 07:00	0	08 - 08	51	52
DSS 14	LNA Maintenance	02/26/2018 00:00	02/26/2018 23:00	1	09 - 09	57	57
DSS 34	LNA Maintenance	02/26/2018 21:00	03/01/2018 21:00	3	09 - 09	57	60
DSS 25	XX/Ka Installation	03/06/2018 15:00	06/08/2018 00:00	93	10 - 23	65	159
DSS 63	Grouting/APCA	03/12/2018 06:00	11/09/2018 17:00	242	11 - 45	71	313
DSS 25	Exciter Obsolescence Install-NIB	04/02/2018 15:00	04/07/2018 00:00	4	14 - 14	92	97
DSS 25	AZ Track Replacement - NIB	04/02/2018 15:00	06/08/2018 00:00	66	14 - 23	92	159
DSS 35	LNA Maintenance	04/16/2018 21:00	04/19/2018 21:00	3	16 - 16	106	109
DSS 63	LNA Maintenance	06/04/2018 00:00	06/09/2018 00:00	5	23 - 23	155	160
DSS 55	Ant Insp/TXR RF Characterization	06/11/2018 07:00	06/12/2018 19:00	2	24 - 24	162	163
DSS 65	Ant Insp/TXR RF Characterization	06/12/2018 07:00	06/13/2018 19:00	2	24 - 24	163	164
DSS 63	Ant Insp/TXR RF Characterization	06/13/2018 07:00	06/14/2018 19:00	2	24 - 24	164	165
DSS 54	Ant Insp/TXR RF Characterization	06/14/2018 07:00	06/15/2018 19:00	2	24 - 24	165	166
DSS 55	Ant Insp/TXR RF Characterization	06/18/2018 07:00	06/19/2018 19:00	2	25 - 25	169	170
DSS 65	Ant Insp/TXR RF Characterization	06/19/2018 07:00	06/20/2018 19:00	2	25 - 25	170	171
DSS 63	Ant Insp/TXR RF Characterization	06/20/2018 07:00	06/21/2018 19:00	2	25 - 25	171	172



## Resource Allocation Planning Service

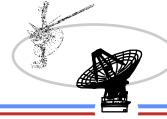


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		2018					
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY
DSS 54	Ant Insp/TXR RF Characterization	06/21/2018 07:00	06/22/2018 19:00	2	25 - 25	172	173
DSS 55	Pedestal Metrology	07/16/2018 22:00	07/17/2018 05:00	0	29 - 29	197	198
DSS 55	Pedestal Metrology	07/17/2018 22:00	07/18/2018 05:00	0	29 - 29	198	199
DSS 63	Pedestal Metrology	08/06/2018 22:00	08/07/2018 05:00	0	32 - 32	218	219
DSS 63	Pedestal Metrology	08/07/2018 22:00	08/08/2018 05:00	0	32 - 32	219	220
DSS 54	Pedestal Metrology	08/20/2018 22:00	08/21/2018 05:00	0	34 - 34	232	233
DSS 54	Pedestal Metrology	08/21/2018 22:00	08/22/2018 05:00	0	34 - 34	233	234
DSS 24	LNA Maintenance	09/24/2018 00:00	09/27/2018 00:00	3	39 - 39	267	270
DSS 54	LNA Maintenance	11/19/2018 00:00	11/22/2018 00:00	3	47 - 47	323	326



## Resource Allocation Planning Service

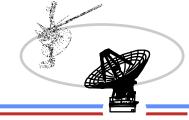


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2019										
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY			
DSS 54	Pedestal Metrology	01/22/2019 20:00	01/23/2019 07:00	0	04 - 04	22	23			
DSS 54	Pedestal Metrology	01/23/2019 20:00	01/24/2019 07:00	0	04 - 04	23	24			
DSS 63	Pedestal Metrology	02/03/2019 20:00	02/04/2019 07:00	0	05 - 06	34	35			
DSS 24	XX/Ka Installation - Proposed	02/04/2019 15:00	04/26/2019 00:00	80	06 - 17	35	116			
DSS 63	Pedestal Metrology	02/04/2019 20:00	02/05/2019 07:00	0	06 - 06	35	36			
DSS 55	Pedestal Metrology	02/18/2019 20:00	02/19/2019 07:00	0	08 - 08	49	50			
DSS 56	Pedestal Metrology	02/19/2019 20:00	02/20/2019 07:00	0	08 - 08	50	51			
DSS 43	LNA Maintenance	03/04/2019 21:00	03/09/2019 21:00	5	10 - 10	63	68			
DSS 34	LNA Maintenance	04/29/2019 21:00	05/02/2019 21:00	3	18 - 18	119	122			
DSS 14	LNA Maintenance	05/06/2019 00:00	05/10/2019 23:00	5	19 - 19	126	130			
DSS 55	LNA Maintenance	05/20/2019 00:00	05/23/2019 00:00	3	21 - 21	140	143			
DSS 14	Ant Insp/TXR RF Characterization - Proposed	05/20/2019 15:00	05/21/2019 03:00	0	21 - 21	140	141			
DSS 26	Ant Insp/TXR RF Characterization - Proposed	05/21/2019 15:00	05/22/2019 03:00	0	21 - 21	141	142			
DSS 25	Ant Insp/TXR RF Characterization - Proposed	05/22/2019 15:00	05/23/2019 03:00	0	21 - 21	142	143			
DSS 24	Ant Insp/TXR RF Characterization - Proposed	05/23/2019 15:00	05/24/2019 03:00	0	21 - 21	143	144			
DSS 14	Ant Insp/TXR RF Characterization - Proposed	05/27/2019 15:00	05/27/2019 03:00	0	22 - 22	147	147			
DSS 26	Ant Insp/TXR RF Characterization - Proposed	05/28/2019 15:00	05/29/2019 03:00	0	22 - 22	148	149			
DSS 25	Ant Insp/TXR RF Characterization - Proposed	05/29/2019 15:00	05/30/2019 03:00	0	22 - 22	149	150			
DSS 24	Ant Insp/TXR RF Characterization - Proposed	05/30/2019 15:00	05/31/2019 03:00	0	22 - 22	150	151			
DSS 35	LNA Maintenance	06/03/2019 21:00	06/06/2019 21:00	3	23 - 23	154	157			
DSS 25	LNA Maintenance	06/10/2019 00:00	06/13/2019 00:00	3	24 - 24	161	164			
DSS 63	LNA Maintenance	07/29/2019 00:00	08/03/2019 00:00	5	31 - 31	210	215			
DSS 63	Pedestal Metrology - NIB	07/29/2019 22:00	07/30/2019 05:00	0	31 - 31	210	211			



## Resource Allocation Planning Service



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2019										
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY			
DSS 63	Pedestal Metrology - NIB	07/30/2019 22:00	07/31/2019 05:00	0	31 - 31	211	212			
DSS 54	Pedestal Metrology	08/13/2019 22:00	08/14/2019 05:00	0	33 - 33	225	226			
DSS 54	Pedestal Metrology	08/14/2019 22:00	08/15/2019 05:00	0	33 - 33	226	227			
DSS 55	Pedestal Metrology	08/26/2019 22:00	08/27/2019 05:00	0	35 - 35	238	239			
DSS 55	Pedestal Metrology	08/27/2019 22:00	08/28/2019 05:00	0	35 - 35	239	240			
DSS 65	Decommissioned	10/01/2019 00:00	01/01/2050 00:00	11050	40 - 52	274	1			
DSS 54	Pedestal Rehab	11/04/2019 06:00	04/30/2021 17:00	543	45 - 17	308	120			
DSS 54	Servo Replacement - NIB	11/04/2019 06:00	04/30/2021 17:00	543	45 - 17	308	120			
DSS 54	Transmitter Replacement - NIB	11/04/2019 06:00	04/30/2021 17:00	543	45 - 17	308	120			
DSS 24	LNA Maintenance	12/02/2019 00:00	12/05/2019 00:00	3	49 - 49	336	339			



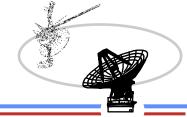
## Resource Allocation Planning Service

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2020										
Site	Details	Start	End	Duration (Days)	Weeks	Start DOY	End DOY			
DSS 36	Ant Insp/TXR RF Characterization - Proposed	01/20/2020 22:00	01/21/2020 10:00	0	04 - 04	20	21			
DSS 43	Ant Insp/TXR RF Characterization - Proposed	01/21/2020 22:00	01/22/2020 10:00	0	04 - 04	21	22			
DSS 34	Ant Insp/TXR RF Characterization - Proposed	01/22/2020 22:00	01/23/2020 10:00	0	04 - 04	22	23			
DSS 35	Ant Insp/TXR RF Characterization - Proposed	01/23/2020 22:00	01/24/2020 10:00	0	04 - 04	23	24			
DSS 36	Ant Insp/TXR RF Characterization - Proposed	01/27/2020 22:00	01/28/2020 10:00	0	05 - 05	27	28			
DSS 43	Ant Insp/TXR RF Characterization - Proposed	01/28/2020 22:00	01/29/2020 10:00	0	05 - 05	28	29			
DSS 34	Ant Insp/TXR RF Characterization - Proposed	01/29/2020 22:00	01/30/2020 10:00	0	05 - 05	29	30			
DSS 35	Ant Insp/TXR RF Characterization - Proposed	01/30/2020 22:00	01/31/2020 10:00	0	05 - 05	30	31			
DSS 63	El Bearing Replacement	04/20/2020 07:00	07/10/2020 17:00	81	17 - 28	111	192			



### Resource Allocation Planning Service

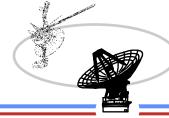


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### Future assets new/upgrades

- DSS-36 Installation and Operational 2016
  - ☐ Modkit inventory/install/checkout November 23,2015 March 21, 2016 Weeks 48 12
  - □ Acceptance testing March 22, 2016 May 13, 2016 weeks 12 19
  - □ System Integration Testing March 29, 2014 June 30, 2016 Weeks 13 26
  - □ Operations System Performance Testing June 30, 2016 August 29, 2016 weeks 26 35
  - □ Operational date October 1, 2016

## Resource Allocation Planning Service



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DSN Resource Implementation Planning Matrix by Complex											
Complex	Station	Subnet		and Up	X-B Down	and Up	Ka-Band Down Up		Ka Phase 2	X-Band ACQ	80KW
10	DSS-23*	34B2	N/A	N/A	10/01/24	10/01/24	10/01/24	10/01/24	N/A	N/A	10/01/24
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	09/01/17	09/01/17	•	•	•	N/A	N/A	N/A	>
10	DSS-15	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-33*	34B2	N/A	N/A	10/01/22	10/01/22	10/01/22	N/A	N/A	N/A	10/01/22
40	DSS-34	34B1	•	~	•	~	•	N/A	~	~	N/A
40	DSS-35	34B2	N/A	N/A	~	~	~	N/A	N/A	N/A	N/A
40	DSS-36*	34B1	10/01/16	10/01/16	10/01/16	10/01/16	10/01/16	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-53*	34B2	N/A	N/A	10/01/20	10/01/20	10/01/20	N/A	N/A	N/A	10/01/20
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*	34B1	10/01/19	10/01/19	10/01/19	10/01/19	10/01/19	N/A	10/01/19	10/01/19	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			d	As of: 10/5/2015			
✓ ✓ ✓ = Capability Recently Exists			✓ = Capability Exists  *			* =	= To Be Commissioned				