

DSN Current Mission Set

S/C Abbrev	Spacecraft Name	Lead Center	Type	Launch Date	Future Critical Event	End Date of Prime Mission	End Date of Extended Mission	Presumed End Date (for 5-year Loading Study)
ACE	Advanced Composition Explorer	GSFC	HEO	08/25/97		02/01/01	09/30/18	09/30/18
ARGO	ArgoMoon	ASI	Lunar	11/30/18				
ARRM	Asteroid Redirect Robotic Mission (ARRM)	JPL	DS	NET 12/1/21	Asteroid Ops TBD, Human Ops TBD	2028		
BIOS	BioSentinel	ARC	DS	9/1/2018 (EM-1 launch)		L+18 months		
CAS	Cassini	JPL	DS	10/15/97		06/30/08	09/30/17	09/30/17
CHDR	Chandra X-ray Observatory (CXO; launched as Advanced X-ray Astrophysics Facility, AXAF)	MSFC	HEO	07/23/99		10/23/06	09/30/27	09/30/27
CH2	Chandrayaan-2	ISRO	Lunar	12/17/17				
CuSP	CubeSat for the Observation of Solar Particles	JPL	Lunar	9/1/2018 (EM-1 launch)		L + 4 months	N/A	
DAWN	Dawn	JPL	DS	09/27/07		06/30/16	06/30/17	06/30/17
DSCO	Deep Space Climate Observatory (DSCOVR) Mission	GSFC/NOAA	HEO	02/11/15		06/12/17	12/05/18	12/05/22
EURC	Europa Clipper Mission	JPL	DS	2025 (TBD)				
EDM	ExoMars 2016 EDL Demonstrator Module (EDM)	ESA	DS	03/14/16	SEP 10/16/16 EDL 10/19/16	10/19/16	10/19/16	10/19/16
EMM	Emirates Mars Mission	UAE	DS	09/01/20				
TGO	ExoMars 2016 Trace Gas Orbiter (TGO)	ESA	DS	03/14/16	SEP 10/16/16 MOI 10/19/16	09/30/19	12/31/22	12/31/22
EM1	Human Space Flight (HSF): Exploration Mission-1	JSC	DS	11/30/18		2018	2018	2018
EM2	Human Space Flight (HSF): Exploration Mission-2	JSC	DS	11/30/21		2021	2021	2021
EM3-10	Human Space Flight (HSF): Exploration Mission-3 through 10	JSC	DS	2022 and beyond				
EQUL	EQUULEUS	JAXA	Lunar	11/30/18				
GTL	Geotail Mission - International Solar Terrestrial Physics (ISTP)	GSFC/JAXA	HEO	07/24/92		07/24/95	01/04/16	09/30/17
HYB2	Hayabusa-2	JAXA	DS	12/03/14	Earth Flyby 12/3/2015	12/14/20	12/14/20	12/14/20
NSYT	Interior Exploration using Seismic Investigations, Geodesy and Heat Transport (InSight)	JPL	DS	03/04-03/30/16	MOI 09/28/16	10/26/18	10/26/18	10/26/18
NSPA,B	Interplanetary NanoSpacecraft Pathfinder In Relevant Environment (INSPIRE)	JPL	DS					
JWST	James Webb Space Telescope	GSFC	HEO	10/01/18		04/01/24	04/01/29	04/01/29
JNO	Juno	JPL	DS	08/05/11		09/07/18	07/30/21	07/30/21
KEPL	Kepler	ARC	DS	03/06/09		11/10/12	09/30/18	09/30/18
LFL	Lunar Flashlight	JPL	DS	9/1/2018 (EM-1 launch)		L+24 months		
Lucy	Lucy	GSFC	DS	10/16/21				
LunaH-MAP	Lunar Hydrogen Mapper	JPL/ASU Tempe	Lunar	9/1/2018 (EM-1 launch)		L+15 months		02/01/20
MLI	Morehead Lunar Ice Cube	GSFC/MSU	Lunar	9/1/2018 (EM-1 launch)		04/01/20		04/01/20
LRO	Lunar Reconnaissance Orbiter (LRO)	GSFC	DS	06/18/09		09/30/10	09/30/14	10/01/18
MMS1,2,3,4	Magnetospheric MultiScale (MMS) Formation Flyers	GSFC	HEO	03/13/15		08/19/17	08/19/17	09/30/22
M01O	Mars '01 Odyssey	JPL	DS	04/07/01		08/24/04	10/01/18	10/01/24
M20	Mars 2020	JPL	DS	7/17/20-8/5/20	EDL 2/18/2021	06/01/23	TBD	TBD
MCOA,B	Mars Cubesat One (MarCO)	JPL	DS	05/2018 (InSight Launch)				
MVN	Mars Atmosphere and Volatile Evolution (MAVEN)	GSFC	DS	11/18/13		10/30/15	10/30/18	09/30/23
MER1	Mars Exploration Rover (Opportunity)	JPL	DS	06/10/03		04/27/04	12/31/16	12/31/18
MEX	Mars Express (MEX)	ESA	DS	06/02/03		02/11/06	12/31/18	12/31/25
MOM	Mars Orbiter Mission	ISRO	DS	11/05/13		04/01/15	10/01/15	10/01/17
MOM2	Mars Orbiter Mission 2	ISRO	DS	09/01/20				
MRO	Mars Reconnaissance Orbiter	JPL	DS	08/12/05		09/30/10	10/01/18	10/01/18
MSL	Mars Science Laboratory (Curiosity)	JPL	DS	11/26/11		06/24/14	09/25/16	01/02/17
NEAS	Near Earth Asteroid Scout	MSFC	DS	9/1/2018 (EM-1 launch)		L+26 month	N/A	
NHPC	New Horizons Pluto-Charon	APL	DS	01/19/06		10/01/16	05/31/21	05/31/21
OMOT	Omotenashi	JAXA	Lunar	11/30/18				
ORX	Origins-Spectral Interpretation-Resource Identification-Security-Regolith Explorer (OSIRIS-REx)	GSFC	DS	09/04 - 10/13/16	Return 9/4/23	10/24/23	10/24/23	10/24/23
PLC	Planet-C / AKATSUKI	JAXA	DS	05/20/10	VOI2 12/7/15	03/31/16	03/31/16	03/31/16
PSYC	Psyche	JPL	DS	01/01/23				
RD1	Red Dragon 1	SpaceX	DS	07/25/20	EDL 3/14/2021	EDL+1 month	N/A	
RP	Resource Prospector	ARC	DS	05/01/18		06/01/18	06/01/18	06/01/18
SOHO	Solar and Heliospheric Observatory Mission	GSFC	HEO	12/02/95		05/02/98	09/30/17	09/30/17
SPP	Solar Probe Plus	APL	DS	7/31 - 8/19/18		09/28/25	11/30/25	11/30/25
STA,B	Solar-Terrestrial Relations Observatory (STEREO Ahead, Behind)	GSFC	DS	10/26/06		01/22/09	09/30/17	12/31/17
STF	Spitzer Space Telescope (previously SIRTf)	JPL	DS	08/25/03		05/31/09	01/02/17	01/02/17
TESS	Transiting Exoplanet Survey Satellite	GSFC	HEO	NET 3/20/2018		10/18/19	10/18/20	10/18/20
THB,C	THEMIS B, C Spacecraft / ARTEMIS Mission (Time History of Events and Macroscale Interactions During Substorms)	UCB	DS	07/21/09		02/17/13	01/31/15	01/31/15
VGR1	Voyager-1 Interstellar Mission	JPL	DS	09/05/77		10/15/89	09/30/17	12/31/25
VGR2	Voyager-2 Interstellar Mission	JPL	DS	08/20/77		10/15/89	09/30/17	12/31/25
WIND	WIND/Polar Mission - International Solar Terrestrial Physics (ISTP)	GSFC	HEO	02/22/96		11/01/97	09/30/16	09/24/17
XMM	X-ray Multi-Mirror Mission (XMM-Newton)	ESA	DS	12/10/99		04/08/14	12/31/16	12/31/16
	DSN Science / Ground Observations							
ATOT	Advanced Tracking and Observational Techniques	JPL	Grnd	10/01/97		09/30/20	12/31/30	12/31/30
EGS	EVN and Global Services	JPL	Grnd	10/01/01		09/30/20	12/31/30	12/31/30
GBRA	Ground Based Radio Astronomy	JPL	Grnd	10/01/71		09/30/20	12/31/30	12/31/30
GSSR	Goldstone Solar System Radar X-Band (Orbital Debris Radar and Planetary Radar)	JPL	Grnd	04/01/85		09/30/20	12/31/30	12/31/30

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CVRT	Goldstone Apple Valley Radio Telescope S-Band (GAVRT)	JPL	Grnd	04/01/85		09/30/20	12/31/30	12/31/30
RFC (VLBI)	Reference Frame Calibration	JPL	Grnd	10/01/01		09/30/20	12/31/30	12/31/30
SGP	Space Geodesy Program	GSFC	Grnd	05/01/93		09/30/20	12/31/30	12/31/30
	LEO Emergency Only Support Missions							
TDR3	Tracking and Data Relay Satellites (TDRS)	GSFC	LEOP	9/29/88		9/30/01	12/31/17	12/31/19
TDR5	Tracking and Data Relay Satellites (TDRS)	GSFC	LEOP	8/2/91		8/2/01	12/31/17	12/31/23
TDR6	Tracking and Data Relay Satellites (TDRS)	GSFC	LEOP	1/13/93		1/13/03	12/31/17	12/31/20
TDR7	Tracking and Data Relay Satellites (TDRS)	GSFC	LEOP	7/13/95		12/31/08	12/31/17	12/31/25
TDR8	Tracking and Data Relay Satellites (TDRS)	GSFC	LEOP	6/30/00		9/30/10	12/31/17	12/31/32
TDR9	Tracking and Data Relay Satellites (TDRS)	GSFC	LEOP	3/8/02		3/8/13	3/8/17	12/31/32
TD10	Tracking and Data Relay Satellites (TDRS)	GSFC	LEOP	12/5/02		12/4/13	12/4/17	12/31/36
TD11	Tracking and Data Relay Satellites (TDRS)	GSFC	LEOP	1/31/13		1/24/23	1/24/28	12/31/45
TD12	Tracking and Data Relay Satellites (TDRS)	GSFC	LEOP	1/29/14		1/23/24	1/23/29	12/31/46
TD14	Tracking and Data Relay Satellites (TDRS)	GSFC	LEOP					

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