

DSN Assets and Capabilities

May 2026

GDSCC - Goldstone, CA

DSS-15 HEF

DSS-24 BWG-1

DSS-25 BWG-2

DSS-26 BWG-3

DSS-23 BWG-4

DSS-14 70m

DSS-13 R&D

DSS-28 GAVRT

Signal Processing Center SPC-10

Emergency Control Center

CDSCC - Canberra, Australia

DSS-45 HEF

DSS-34 BWG-1

DSS-35 BWG-2

DSS-36 BWG-3

DSS-33 BWG-4

DSS-43 70m

Signal Processing Center SPC-40

MDSCC - Madrid, Spain

DSS-65 HEF

DSS-54 BWG-1

DSS-55 BWG-2

DSS-56 BWG-3

DSS-53 BWG-4

DSS-63 70m

Signal Processing Center SPC-60

Other Assets

DSN Project Office
Pasadena, CA

Deep Space Operations Center (DSOC)
Pasadena, CA

Remote Observation Center (ROC)
Monrovia, CA

DTF-21 Monrovia, CA
CTT-22 Mobile
MIL-71 KSC, FL

Freq. Band	S Up	S Down	X Up	X Down	K/Ka Up	K/Ka Down
Deep Space	2.11-2.12	2.29-2.3	7.145-7.19	8.4-8.45	34.2 - 34.7	31.8-32.3
Near Earth	2.025-2.11	2.2-2.29	7.19-7.235	8.45-8.5	22.55-23.15	25.5 - 27.0

Legend

Decommissioned

Future DAEP

Delivered DAEP

Grey - Decommissioned

20kW now - Will be upgraded to 80kW

400W - Future delivery

- - Deep space band only, * - near earth only
- ◆ - Future DAEP/DLEU/DSN deliveries
- - By Permission only for deep space level

Antenna	Sub-Net	S-Band		X-Band			Near Earth K-Band		Deep Space Ka-Band		Optical 1550nm	Est. Deliv. Dates
		Up	Down	Up	Down	Radar	Up	Down	Up	Down	Down	
DSS-14	70m	20kW●	√	20kW	√	500kW						05/2028
DSS-15	34m HEF	250W	√	20kW	√							
DSS-23	34m BWG	400W*	◆	20kW	◆					◆		08/2026
DSS-24	34m BWG	20kW	√	20kW	√		250W	√		◆		TBD
DSS-25	34m BWG	400W*	◆	20kW	√				400W	√		05/2027
DSS-26	34m BWG	400W*	√	80kW	√		250W	√		√		
DSS-33	34m BWG			80kW	◆					◆		10/2029
DSS-34	34m BWG	20kW	√	20kW	√		250W	√		√		
DSS-35	34m BWG	400W*	◆	20kW	√				400W	√		07/2026
DSS-36	34m BWG	400W*	√	20kW	√		250W	√		√		
DSS-43	70m	100kW● 400W*	√	80kW●	√							
DSS-45	34m HEF	250W	√	20kW	√							
DSS-53	34m BWG	400W*	◆	20kW	√		250W	◆		√		05/2026
DSS-54	34m BWG	20kW■	√	20kW	√			√		√		
DSS-55	34m BWG	400W*	◆	20kW	√				400W	√		03/2027
DSS-56	34m BWG	400W*	√	20kW	√		250W	√		√		
DSS-63	70m	20kW■	√	20kW●	√							TBD
DSS-65	34m HEF	400W*	√	20kW●	√							