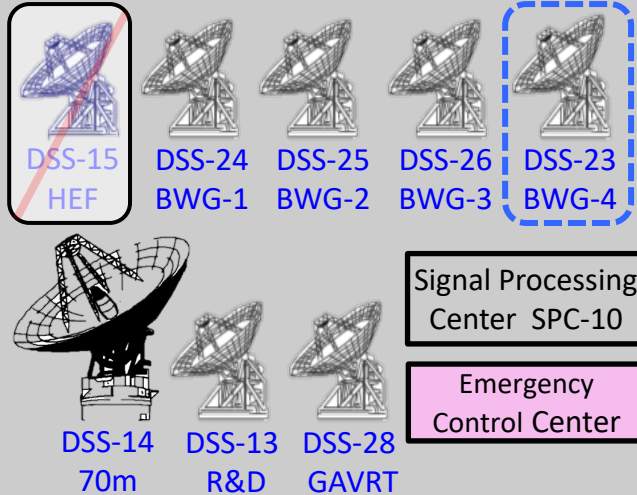


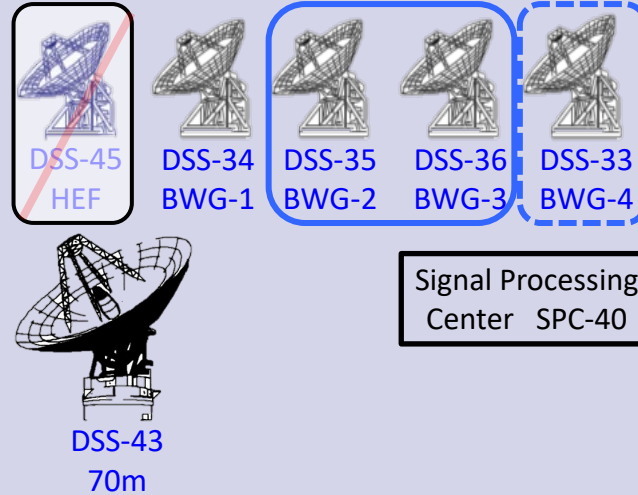
DSN Assets and Capabilities

May 2025

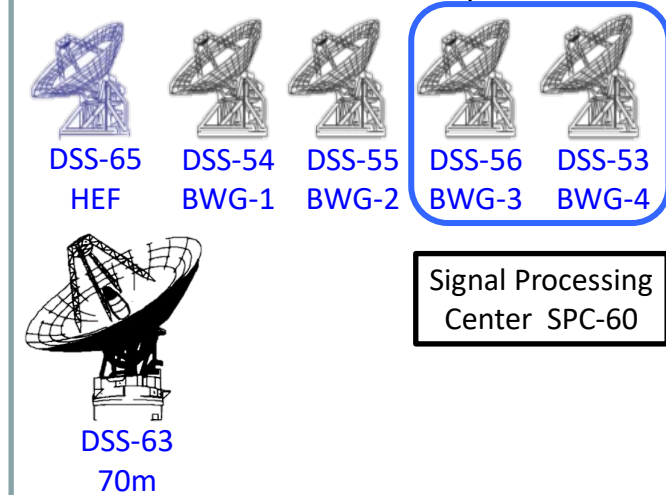
GDSCC - Goldstone, CA



CDSCC - Canberra, Australia



MDSCC - Madrid, Spain



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						6/2028
DSS-15	34m HEF	250W	√	20kW	√							
DSS-23	34m BWG	400W*	♦	20kW	♦					♦		6/2026
DSS-24	34m BWG	20kW	√	20kW	√		250W	√		♦		TBD
DSS-25	34m BWG	400W*	♦	20kW	√				400W	√		8/2026
DSS-26	34m BWG	150W*	√	80kW	√		250W	√		√		
DSS-33	34m BWG			80kW	♦					♦		10/2029
DSS-34	34m BWG	20kW	√	20kW	√		250W	√		√		
DSS-35	34m BWG	400W*	♦	20kW	√				400W	√		6/2026
DSS-36	34m BWG	150W*	√	20kW	√		250W	√		√		
DSS-43	70m	100kW• 400W*	√	80kW•	√							12/2025- 1/2026
DSS-45	34m HEF	250W	√	20kW	√							
DSS-53	34m BWG	400W*	♦	20kW	√		250W	♦		√		4/2026
DSS-54	34m BWG	20kW	√	20kW	√			√		√		10/2028
DSS-55	34m BWG	400W*	♦	20kW	√				400W	√		3/2027
DSS-56	34m BWG	150W*	√	20kW	√		250W	√		√		7/2025
DSS-63	70m	20kW■	√	20kW•	√							TBD
DSS-65	34m HEF	150W*	√	20kW•	√							