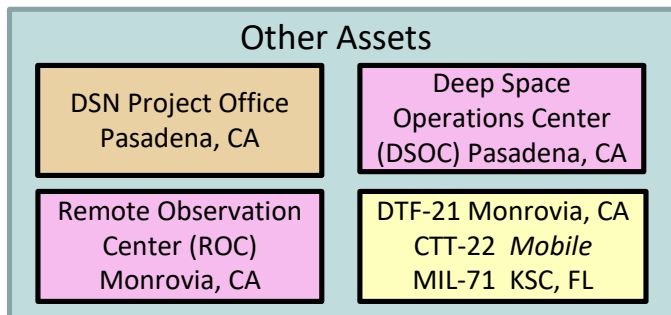
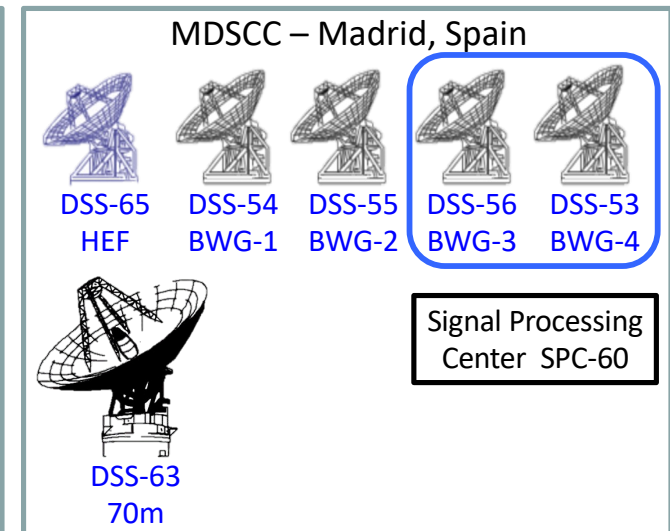
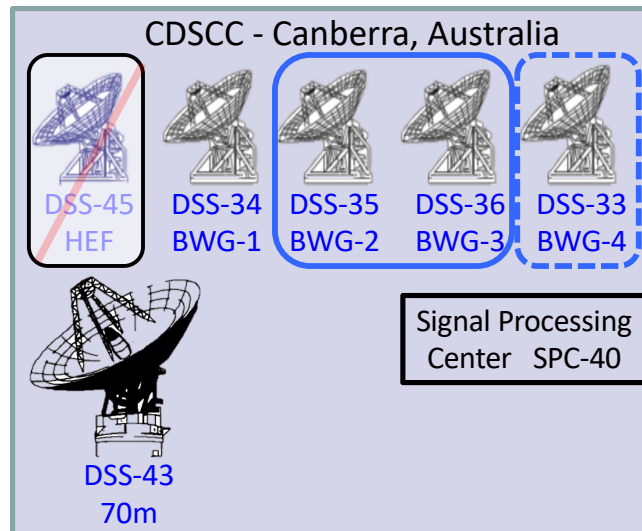
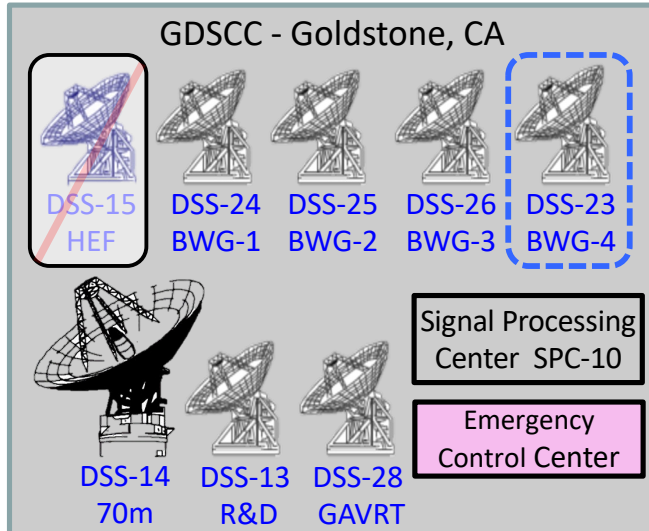


DSN Assets and Capabilities

December 2025



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						10/2028
DSS-15	34m HEF	250W	✓	20kW	✓							
DSS-23	34m BWG	400W*	♦	20kW	♦					♦		8/2026
DSS-24	34m BWG	20kW	✓	20kW	✓		250W	✓		♦		TBD
DSS-25	34m BWG	400W*	♦	20kW	✓				400W	✓		8/2026
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	✓		9/2029
DSS-36	34m BWG	400W*	✓	20kW	✓		250W	✓		✓		
DSS-43	70m	100kW● 400W*	✓	80kW●	✓							2/2026
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	400W*	✓	20kW	✓		250W	✓		✓		
DSS-63	70m	20kW	✓	20kW●	✓							TBD
DSS-65	34m HEF	400W*	✓	20kW●	✓							