

Lunar orbital missions 1994-2008 – Data and instruments

(Please send comments and/or corrections to Paul Spudis – spudis@lpi.usra.edu)

	Clementine	Lunar Prospector	SMART-1	Chang'E-1	Chandrayaan-1	SELENE (Kaguya)	Lunar Reconnaissance Orbiter
Camera (VIS monochrome)	X		X	X (stereo)	X (stereo)	X (stereo)	X
Typical resolution (low/high, m)	250/60	-	50-200	120	5	10	100/0.5
UV imaging						X	X
IR imaging	X		X	X	X	X	
Thermal (broadband) IR	X						X
Multi-band UV-VIS-IR imaging	X		X		X	X	X
Gamma Ray Spectrometer		X		X	X	X	
Neutron Spectrometer		X					X
Alpha Particle Spectrometer		X				X	
X-ray Spectrometer			X	X	X	X	
Infrared Spectrometer			X		X	X	
Radiometer				X			X
Synthetic Aperture Radar					X		X
Radar Sounder				X		X	
Bistatic radar	X				X		X
Laser Ranging/Altimeter	X			X	X	X	X
Magnetometer		X				X	
Electron Reflectometer		X					
High-energy Detector				X		X	
Solar Wind Detector				X	X		
Solar X-ray monitor					X		
Lunar Radiation Environment							X
Plasma Analyzer						X	
Plasma Imager (Earth's plasmasphere)						X	
Radio Science (lunar ionosphere)						X	
Gravity	X	X	X	X	X	X (far side)	X