

The Cheat Sheet

Band #	Central Wavelength, resolution	Nickname	Uses
1	0.47 μm , 1 km	Blue Band	Smoke/Aerosol Detection, Visible Imagery
2	0.64 μm , 0.5 km	Red Band	Visible Imagery, highest resolution
3	0.86 μm , 1 km	Veggie Band	Vegetation health, Land/Water contrast
4	1.38 μm , 2 km	Cirrus Band	Cirrus Detection
5	1.61 μm , 1 km	Snow/Ice Band	Differentiate between Liquid/Ice clouds. Identify snow on ground, Hottest fire detection
6	2.24 μm , 2 km	Cloud Particle Size Band	Hot fire detection
7	3.9 μm , 2 km	Shortwave Infrared	Fire and Fog detection
8	6.19 μm , 2 km	Upper-level Water Vapor	Upper level flow, Potential Vorticity Analysis, CAT detection
9	6.95 μm , 2 km	Mid-level Water Vapor	Upper level flow, Potential Vorticity Analysis, CAT detection
10	7.34 μm , 2 km	Low-Level Water Vapor	Upper level flow, Potential Vorticity Analysis, CAT detection, Elevated Mixed Layer detection
11	8.44 μm , 2 km	IR Clouds Phase, SO ₂	Volcanic Ash detection, Cloud Phase
12	9.61 μm , 2 km	Ozone	Air Mass identification
13	10.3 μm , 2 km	Clean Window	Fog Detection, Convective Applications
14	11.2 μm , 2 km	Longwave Infrared	Fire Detection, Convective Applications
15	12.3 μm , 2 km	Dirty Window	Moisture distributions
16	13.3 μm , 2 km	CO ₂	Cloud Top Features