



Cleanup of Arecibo Observatory Telescope, Puerto Rico | Mar 13, 2021 | GF-2

GF-2 SATELLITE

80 cm Resolution, 45 km Swath, Optical

GF-2 (short for GaoFen-2) was launched on August 19, 2014. It is a very high-resolution optical imaging satellite with 0.8 m panchromatic and 3.2 m multi-spectral resolution. It is equipped with two identical cameras. The combined swath width of one pass at nadir is 45 km. The imagery has been widely used for governmental services, marine monitoring, precision agriculture and forestry, emergency management, education and research.

Technical Specifications

Mission life	8 years
Weight	2100 kg
Launch time	August 19, 2014
Orbit	Sun-synchronous, 10:30 am descending node, 631 km altitude
Sensor bands	Panchromatic, blue, green, red and near-infrared
Resolution (at nadir)	Panchromatic: 0.8 m, multi-spectral: 3.2 m
Locational accuracy	50 m CE90 (w/o GCPs)
Dynamic range at imaging	12 bits
Swath width (at nadir)	45 km
Revisit capacity	5 days 23° off nadir