



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 80 cm panchromatic and 3.2 m multispectral resolution. It is equipped two identical cameras. The combined swath width of one pass at nadir is wider than 45 km. The imagery has been widely used for governmental services, marine monitoring, precision agriculture and forestry, emergency management, education and research.

Technical Specifications

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| 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: 80 cm, multi-spectral: 3.2 m |
| Locational accuracy | 50 m CE90 (w/o GCPs) |
| Dynamic range at imaging | 10 bits |
| Swath width (at nadir) | 45 km |
| Revisit capacity | Less than 5 days 23° off nadir |