

GF-1 (Gaofen-1)

Jan 21, 2014

CRESDA

Land surface topography

Earth surface albedo

Vegetation type

+14



Launched in April 2013 with a design life of eight years, Gaofen-1 is the first spacecraft in the civilian China High-Resolution Earth Observation System (CHEOS). Developed in Beijing by the China National Space Administration (CNSA), the seven spacecraft constellation provides data mainly for the Chinese Ministry of Land and Resources, the Ministry of Environmental Protection and the Ministry of Agriculture.

Quick facts

OVERVIEW

Mission type	EO
Agency	CRESDA
Mission status	Operational (extended)
Launch date	26 Apr 2013
End of life date	31 Dec 2022
Measurement domain	Land
Measurement category	Vegetation, Albedo and reflectance, Landscape topography, Multi-purpose imagery (land)
Measurement detailed	Land surface topography, Earth surface albedo, Vegetation type, Land cover, Land surface imagery
Instruments	PAN (GF-1), MUX (GF-1), WFV
Instrument type	Imaging multi-spectral radiometers (vis/IR), High resolution optical imagers
CEOS EO Handbook	See GF-1 (Gaofen-1) summary

Satellite: GF-1

Satellite details

Acronym	GF-1		
Full name	Gao Fen - 1		
Satellite Description	<ul style="list-style-type: none">• First flight unit of the GF programme.• Main mission: high-resolution land observation and disaster monitoring.		
Mass at launch	805 kg	Dry mass	
Power			
Data access link	no link provided		
Data access information	<ul style="list-style-type: none">• TBD		
Orbit	Sunsynchronous orbit	Altitude	640 km
ECT	10:30 desc		
Space agency	CNSA		
Status	Operational		
Details on Status (as available)			
Launch	26 Apr 2013	EOL	≥2023
Last update:	2022-10-28		

