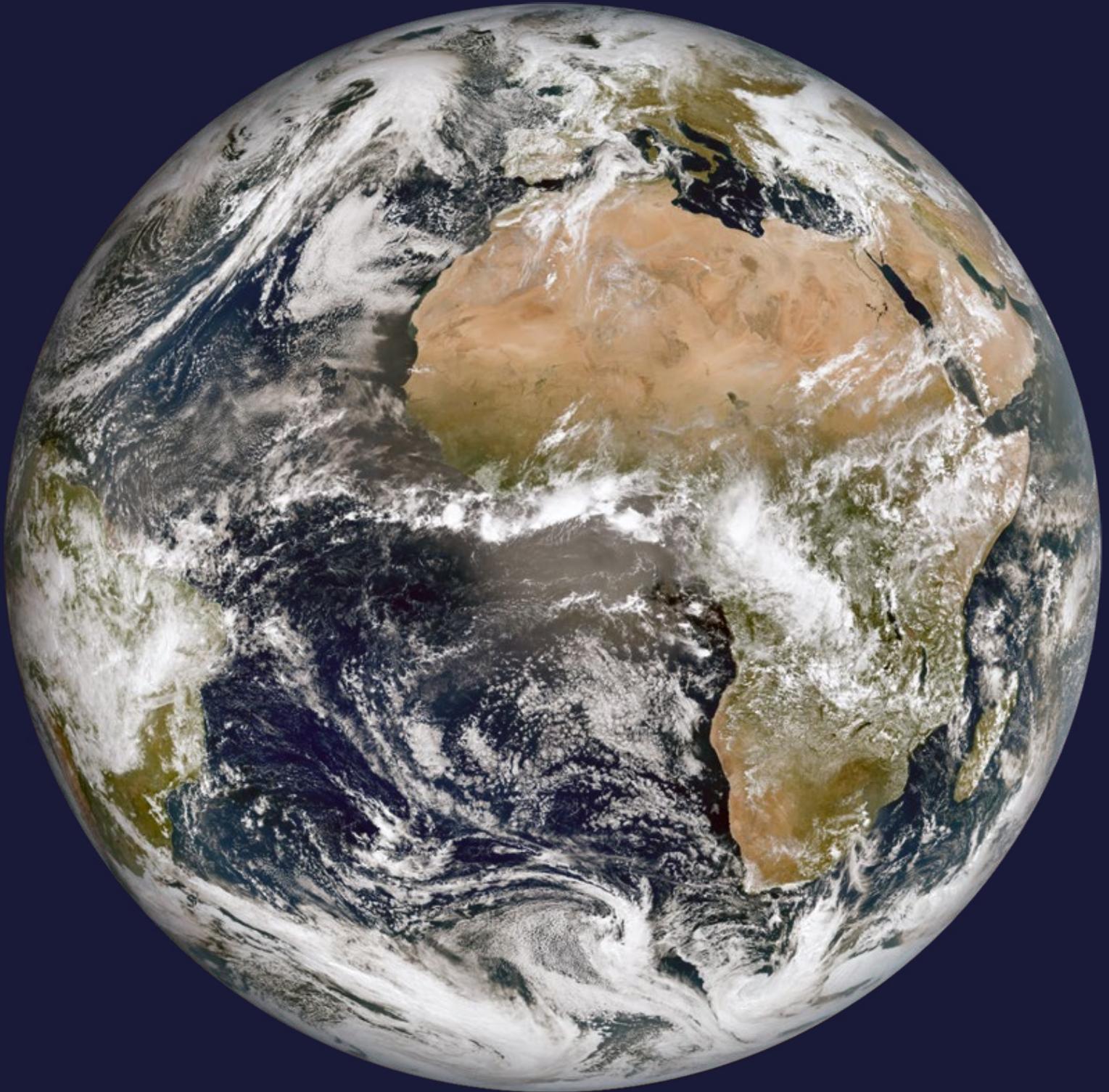




Met Office Satellite Data



The Met Office produces and supplies a range of satellite imagery and the underpinning data files under standard MO Terms and Conditions. This includes single channel imagery options such as Visible, Infra-red and Water Vapour images. We are also able to supply Red-Green-Blue (RGB) imagery for Dust, Natural Colour for some satellites and True Colour (satellite-dependent).

## Coverage/Domain

Satellite imagery derived from satellite services offered in PNG and JPEG formats from satellites covering the globe or predetermined regions.

Satellite	Coverage	Satellite Provider
Meteosat Third Generation Satellite (MTG)	Full disk Europe & North Atlantic UK & surrounding	EUMETSAT
GOES-E Satellite	Full disk South America Continental US expanded	NASA/NOAA
GOES-W Satellite	Full disk	NASA/NOAA
Himawari Satellite	Full disk	JMA
Indian Ocean Data Coverage Satellite (IODC)	Full disk	EUMETSAT



### Frequency

Max frequency is 10 mins (6 images per hour) or 15 mins (4 images per hour) depending on satellite; 30mins or hourly also an option.



### Format

Image file format options: PNG or JPEG.



### Underpinning Data Files

We also have the underpinning post-processed data files used to generate the images available in GRIB format. This data applies to the Full Disk Images only. GRIB format (single channel at resolutions up to 11136 x 11136). Additional Terms & Conditions may apply (required for all sub-hourly delivered files).



### Availability

The image files are available from the Met Office and transmitted within 20 minutes of validity time of the product.

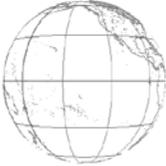


### Resolution

Varies by satellite and product.

Useful links: [factsheet\\_18-weather-satellites\\_2023.pdf](#)

# Satellite Imagery

Satellite	Area	Image option	Imagery type	Format options	Highest temporal frequency available	Projection	Reference point	Top left point / Bottom right point	Dimensions
Meteosat Third Generation Satellite (MTG) 	Full Disk Scan	Visible 0.64 Infra-red 10.5 Water vapour 6.3 Dust Natural colour True colour	Single Channel (wl/ $\mu\text{m}$ ) Single Channel (wl/ $\mu\text{m}$ ) Single Channel (wl/ $\mu\text{m}$ ) RGB RGB RGB	PNG PNG PNG JPEG JPEG JPEG	10 minutes	Geostationary	0E, 0N	n/a	5568x5568 (single chan) 5568x5568 (single chan) 5568x5568 (single chan) 2784x2784 (RGB) 2784x2784 (RGB) 2784x2784 (RGB)
GOES-E Satellite 	Full Disk Scan	Visible 0.64 Infra-red 10.35 Water vapour 6.185 Dust Natural colour	Single Channel (wl/ $\mu\text{m}$ ) Single Channel (wl/ $\mu\text{m}$ ) Single Channel (wl/ $\mu\text{m}$ ) RGB RGB	PNG PNG PNG JPEG JPEG	10 minutes	Geostationary	-75E, 0N	n/a	5424x5424 (single chan) 5424x5424 (single chan) 5424x5424 (single chan) 2712x2712 (RGB) 2712x2712 (RGB)
GOES-W Satellite 	Full Disk Scan	Visible 0.64 Infra-red 10.35 Water vapour 6.185 Dust Natural colour	Single Channel (wl/ $\mu\text{m}$ ) Single Channel (wl/ $\mu\text{m}$ ) Single Channel (wl/ $\mu\text{m}$ ) RGB RGB	PNG PNG PNG JPEG JPEG	10 minutes	Geostationary	-137E, 0N	n/a	5424x5424 (single chan) 5424x5424 (single chan) 5424x5424 (single chan) 2712x2712 (RGB) 2712x2712 (RGB)
Himawari Satellite 	Full Disk Scan	Visible 0.64 Infra-red 10.45 Water vapour 6.25 Dust Natural colour	Single Channel (wl/ $\mu\text{m}$ ) Single Channel (wl/ $\mu\text{m}$ ) Single Channel (wl/ $\mu\text{m}$ ) RGB RGB	PNG PNG PNG JPEG JPEG	10 minutes	Geostationary	140.7E, 0N	n/a	5500x5500 (single chan) 5500x5500 (single chan) 5500x5500 (single chan) 2750x2750 (RGB) 2750x2750 (RGB)
Indian Ocean DC Satellite 	Full Disk Scan	Visible 0.6 Infra-red 10.8 Water vapour 6.3 Dust Natural colour	Single Channel (wl/ $\mu\text{m}$ ) Single Channel (wl/ $\mu\text{m}$ ) Single Channel (wl/ $\mu\text{m}$ ) RGB RGB	PNG PNG PNG JPEG JPEG	15 minutes	Geostationary	45.5E, 0N	n/a	3712x3712

Satellite	Area	Image option	Imagery type	Format options	Highest temporal frequency available	Projection	Reference point	Top left point / Bottom right point	Dimensions
Meteosat Third Generation Satellite (MTG) 	Europe & North Atlantic	Visible 0.64 Infra-red 10.5 Water vapour 6.3 Dust Natural colour True colour	Single Channel (wl/ $\mu\text{m}$ ) Single Channel (wl/ $\mu\text{m}$ ) Single Channel (wl/ $\mu\text{m}$ ) RGB RGB RGB	PNG PNG PNG JPEG JPEG JPEG	10 minutes	Polar Stereographic	-35E, 0N	-101.722E, 67.961N / 10.579E, 16.586N	1280x800
Meteosat Third Generation (MTG) 	UK & surrounding	Visible 0.64 Infra-red 10.5 Water vapour 6.3 Dust Natural colour True colour	Single Channel (wl/ $\mu\text{m}$ ) Single Channel (wl/ $\mu\text{m}$ ) Single Channel (wl/ $\mu\text{m}$ ) RGB RGB RGB	PNG PNG PNG JPEG JPEG JPEG	10 minutes	Polar Stereographic	0E, 0N	-27.25E, 60.1N / 9.15E, 43.75N	1950x1950
GOES-E Satellite 	South America	Visible 0.64 Infra-red 10.35 Water vapour 6.185 Dust Natural colour	Single Channel (wl/ $\mu\text{m}$ ) Single Channel (wl/ $\mu\text{m}$ ) Single Channel (wl/ $\mu\text{m}$ ) RGB RGB	PNG PNG PNG RGB RGB	10 minutes	Equi-rectangular	0E, 0N	-90E, 15N / -30E, -70N	700x900
GOES-E Satellite 	Continental US expanded	Visible 0.64 Infra-red 10.35 Water vapour 6.185 Dust Natural colour	Single Channel (wl/ $\mu\text{m}$ ) Single Channel (wl/ $\mu\text{m}$ ) Single Channel (wl/ $\mu\text{m}$ ) RGB RGB	PNG PNG PNG JPEG JPEG	10 minutes	Polar Stereographic	-100E, 0N	-144E, 46N / -74E, 16N	1200x759