FACT SHEET

WorldView-3 Imagery for Exploration and Mining

EXPLORATION MAPPING
DigitalGlobe Information Partner


Patagonia, Argentina
Image Size 15km x 160km

Global Focus on Mineral Exploration and Mining

- **Porphyry, Epi-Mesothermal and Lateritic Commodity Targets**
- **Alteration Mapping / Vectoring**
- **Lithological Mapping**
- **Large Area Mosaics**
- **Geobotanical Stress**
- **Mining Environmental**
- **Custom Satellite Tasking**

Ordering and Deliverables

Contact Exploration Mapping Group to search the archive or task the satellite with a new collection request for your area of interest. Imagery is ordered by the square kilometer with a minimum purchase of 100 sq km. Products are delivered by secure ftp and digital media in a variety of geocoded formats compatible with leading commercial GIS and image processing software. All projects include reporting to document the project and deliverables.

Technical Specifications

Swath Width	At nadir: 13.1 km
Revisit Frequency (at 40°N Latitude)	1 m GSD: <1.0 day **4.5 days at 20° off-nadir or less**
Orbit	Altitude: 617 km Type: Sun-**synchronous**, 10:30 am local time Period: 97 minutes for Earth orbit
Geolocation Accuracy	Predicted <3.5 m CE90 without ground control
Dynamic Range	11-bits per pixel Pan and MS; 16-bits per pixel SWIR
Sensor Bands	Panchromatic: 450 - 800 nm

8 Visible and Near-Infrared Bands:

Coastal:	397 - 454 nm	Red:	626 - 696 nm
Blue:	445 - 517 nm	Red Edge:	698 - 749 nm
Green:	507 - 586 nm	Near-IR1:	765 - 899 nm
Yellow:	580 - 629 nm	Near-IR2:	857 - 1039 nm

8 SWIR Bands:

SWIR-1:	1184 - 1235 nm	SWIR-5:	2137 - 2191 nm
SWIR-2:	1546 - 1598 nm	SWIR-6:	2174 - 2232 nm
SWIR-3:	1636 - 1686 nm	SWIR-7:	2228 - 2292 nm
SWIR-4:	1702 - 1759 nm	SWIR-8:	2285 - 2373 nm

12 Atmospheric Bands:

Desert Clouds:	405 - 420 nm	Water-3:	930 - 965 nm
Aerosol-1:	459 - 509 nm	NDVI-SWIR:	1220 - 1252 nm
Green:	525 - 585 nm	Cirrus:	1365 - 1405 nm
Aerosol-2:	635 - 685 nm	Snow:	1620 - 1680 nm
Water-1:	845 - 885 nm	Aerosol-1:	2105 - 2245 nm
Water-2:	897 - 927 nm	Aerosol-2:	2105 - 2245 nm

Sensor Resolution (Ground Sample Distance)	Panchromatic Nadir:	0.31 m
	20° Off-Nadir:	**0.36 m**
	Multispectral Nadir:	1.24 m
	20° Off-Nadir:	**1.38 m**
	SWIR Nadir:	3.70 m
	20° Off-Nadir:	4.12 m
	CAVIS Nadir:	30.00 m


Kalgoorlie Super Pit, Australia
Image courtesy DigitalGlobe 2015
Processing by Exploration Mapping Group

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