WorldView-3 Imagery for Exploration and Mining

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: 1 m GSD: <1.0 day
(at 40° N Latitude) 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 CEP 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
- Blue: 445 - 517 nm
- Green: 507 - 586 nm
- Yellow: 580 - 629 nm

8 SWIR Bands:
- SWIR-1: 1184 - 1235 nm
- SWIR-2: 1546 - 1598 nm
- SWIR-3: 1636 - 1686 nm
- SWIR-4: 1702 - 1759 nm

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

Sensor Resolution (Ground Sample Distance):
Panchromatic: 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