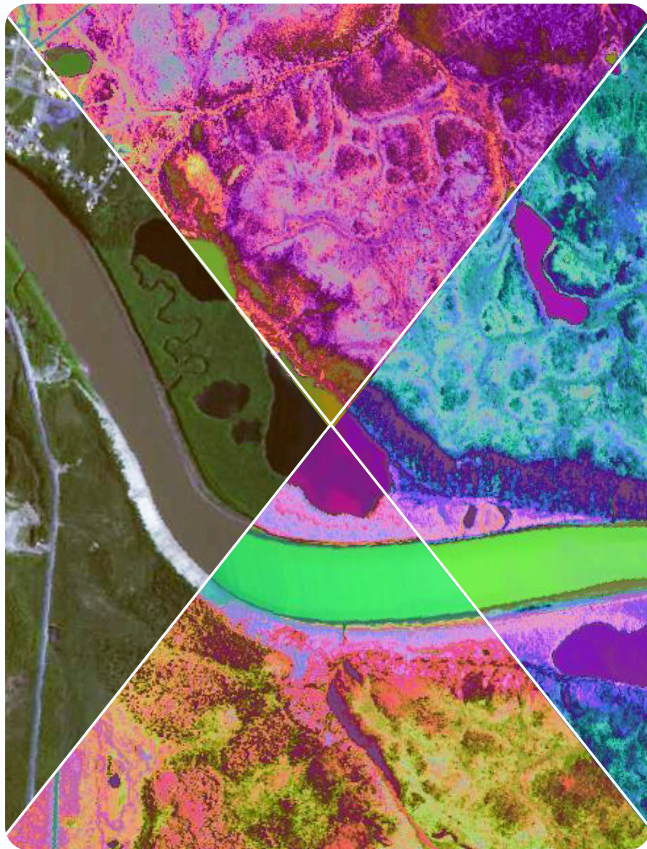




WYVERN
BETTER EARTH, FROM SPACE

HYPERSPECTRAL IMAGERY DATA SHEET ✦



Wyvern was created to unlock the secrets of the electromagnetic spectrum by providing groundbreaking access to high-resolution and quality imagery. This will enable a sustainable future for humanity.

A Better Earth, From Space.

Discover new dimensions with our hyperspectral imagery products and reveal the unseen with every pixel. Wyvern's powerful imaging technology is the key to unlocking critical insights hidden within spectral signatures captured from our planet. By providing access to high-resolution hyperspectral data cubes, Wyvern will change how everyone uses satellite imagery on Earth.

CONTACT US

Phone : +1-587-771-1284
Mail : sales@wyvern.space
Web : wyvern.space
Located : Edmonton, AB

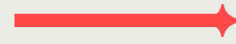
WE ENABLE **NEW POSSIBILITIES**



The hyperspectral sensors on our Dragonette satellites will capture data in many narrow spectral bands, allowing for the identification of unique chemical and physical properties of the Earth's surface. This makes hyperspectral imagery an extremely valuable tool for a wide range of applications.

VISIT [KNOWLEDGE.WYVERN.SPACE](https://knowledge.wyvern.space) TO LEARN MORE.

WE DELIVER **BETTER DATA**



With a resolution of 5.3 meters, hyperspectral imagery delivered from our Dragonette constellation will provide detailed information about the Earth's surface. Processed to Level 1B and delivered in common GeoTIFF format, we ensure integrating Dragonette data into your existing processes is flawless.

VERSION 1.1
03/23



IMAGERY PRODUCT SPECIFICATIONS ✨

Wyvern's three satellite Dragonette constellation (-001, -002, -003) collects 5.3-metre hyperspectral imagery products from low earth orbit. Its 23-32 visible to near-infrared (VNIR) spectral bands are delivered orthorectified and GIS-ready at L1B.

PRODUCT PROPERTIES

<i>Wyvern's Hyperspectral Imaging</i>
Processing Level
Number Of Spectral Bands
Spatial Resolution At Nadir (GSD)
Spectral Resolution
Radiometric Image Pixel Units
Spectral Band Center Wavelength Range (VNIR)
Geolocation Accuracy
Image Orientation
Coordinate System
Image File Format
Metadata File Format
Sensor Bit Depth
Imagery Product Delivery Data Type
Scene Swath Width At Nadir
Off-Nadir Angle (ONA) Range

DESCRIPTION

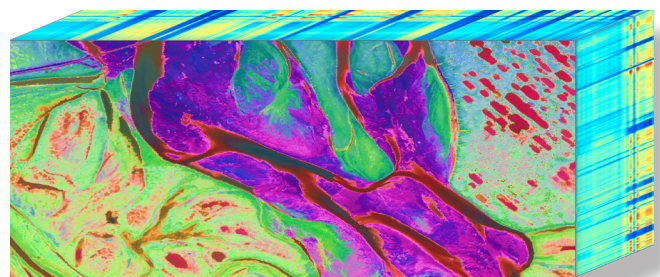
<i>Dragonette-001</i>	<i>Dragonette-002/003</i>
Level 1B	
23 Bands	32 Bands
5.3 m	
20 nm - 32 nm (FWHM)	18 nm - 35 nm (FWHM)
At-Sensor Radiance	
500 nm - 800 nm	445 nm - 880 nm
To Be Characterized	
Map-Projected North-Up	
Geographic WGS84 (EPSG 4326)	
Cloud-Optimized GeoTIFF (COG)	
STAC (JSON)	
12-bit	
32-bit Floating Point (float32)	
20 km (at nadir)	
0° - 20°	

The Dragonette constellation is a collection of three satellites launching in 2023. Dragonette-001 will launch in the first half of 2023, and Dragonette-002/003 will launch in the second half of 2023. For more information about our hyperspectral data, visit our Knowledge Centre at knowledge.wyvern.space. For band centres and band widths contact our sales team.

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