



Lorcan McGonigle | Vice President, Sensing

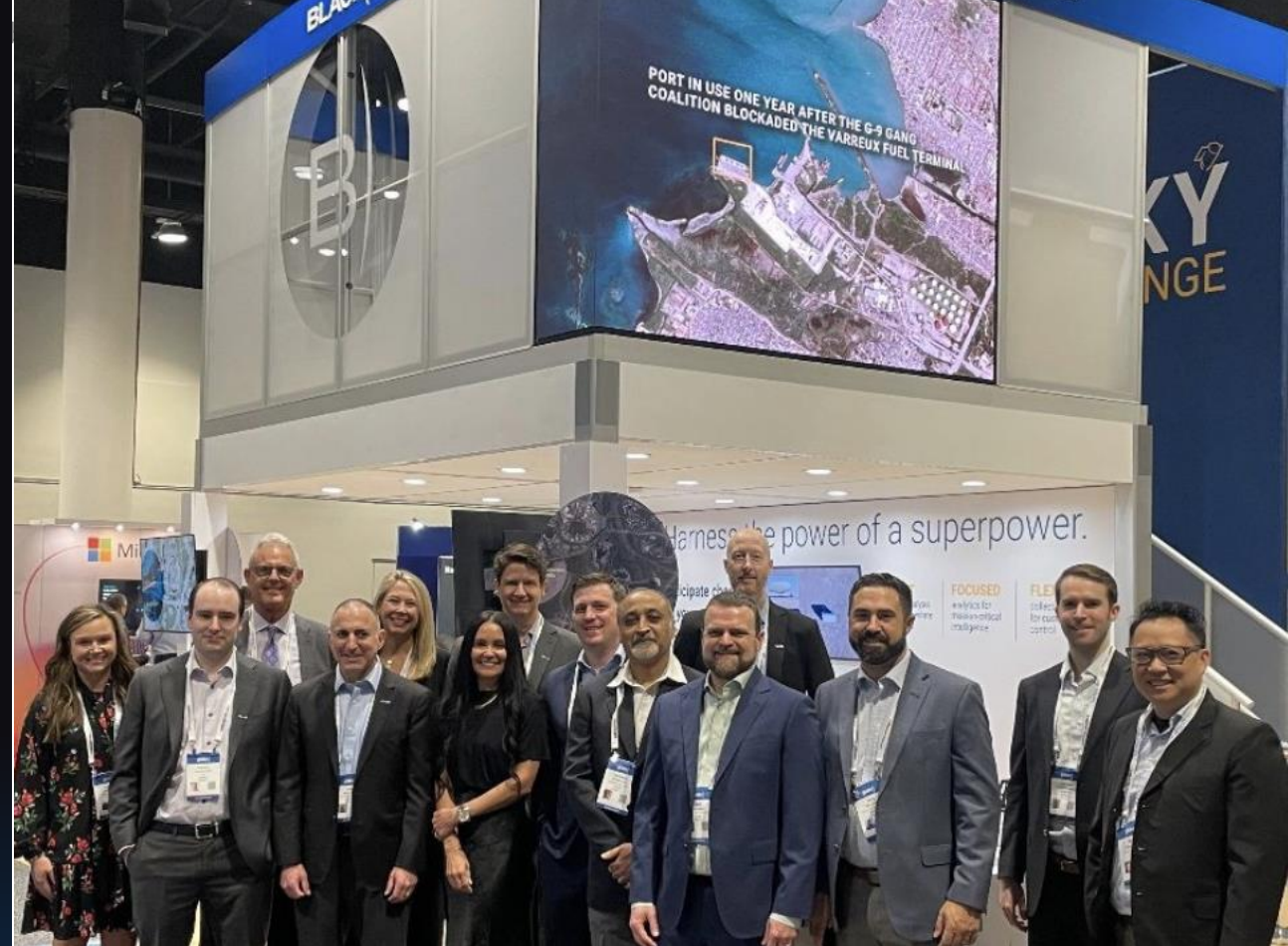
Matt Falter | Director, Federal Civilian Sales

May 28, 2025

BlackSky data for the Commercial Satellite Data Acquisition (CSDA) Program

About the company

- Founded in **2014**
- Publicly traded on NYSE as **BKSY**
- Headquartered in **Herndon, VA**, with offices in Seattle, WA
- **More than 300 employees** across seven countries



Global trends highlight the need for geospatial intelligence.

GLOBAL CONFLICT

10 Nations experiencing extreme unrest

expected to endure conflict fueled by political competition, regional crises and civil disputes

NATURAL DISASTERS

\$310 Billion

2024 global cost of natural disasters worldwide

GLOBAL CHANGE

67 Billion

Tons of lost ice due to melting glaciers in Alaska, contributing to sea level rise



**Know first with
space-based
intelligence.**

**BlackSky delivers the
first-of-its-kind platform to
achieve reliable, dynamic
hourly monitoring of the most
important locations in the world.**



Fast

IMMEDIATE INSIGHTS



Focused

INTEGRATED INTELLIGENCE



Flexible

CUSTOMIZED CONTROL

Proven ability to deliver space-based intelligence as a trusted partner to the world's most demanding customers



A different approach to space

STATIC MAPPING

Traditional large polar-orbiting satellites collect static images over the entire globe.



BLACKSKY REAL-TIME MONITORING

BlackSky's satellite constellation delivers space-based intelligence over the most dynamic locations around the globe, day and night.

15

Revisits daily
over certain
locations

90 minutes

Or less, from
data collection
to customer
delivery

2,000+

images
delivered
daily

When you need **more** than a pretty picture

See, understand and act on events, in real time.

- **Fast:**
Collection to delivery in under 90 minutes to networked and remote secure tactical terminals
- **Frequent:**
Hourly revisit of the most important locations and assets in the world
- **Focused:**
Uncontested access to your defined areas of interest
- **AI-enabled:**
Actionable intelligence delivered on demand via secure web domain



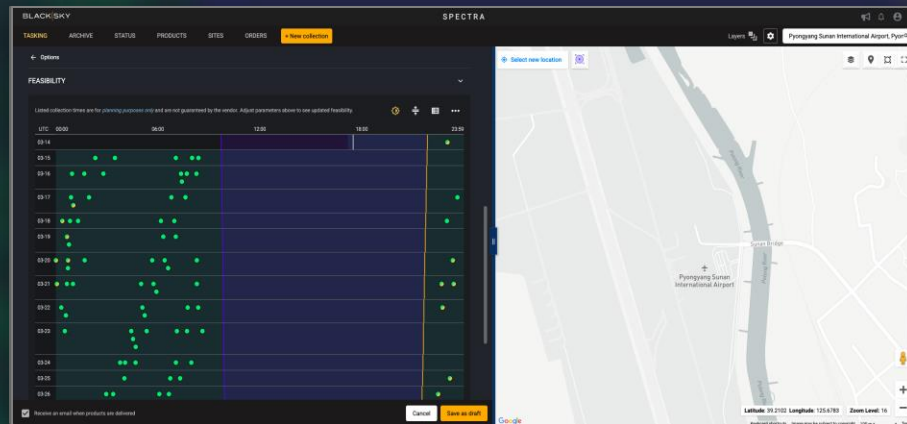
BlackSky Spectra®

**An end-to-end real-time platform,
operating on a global scale.**

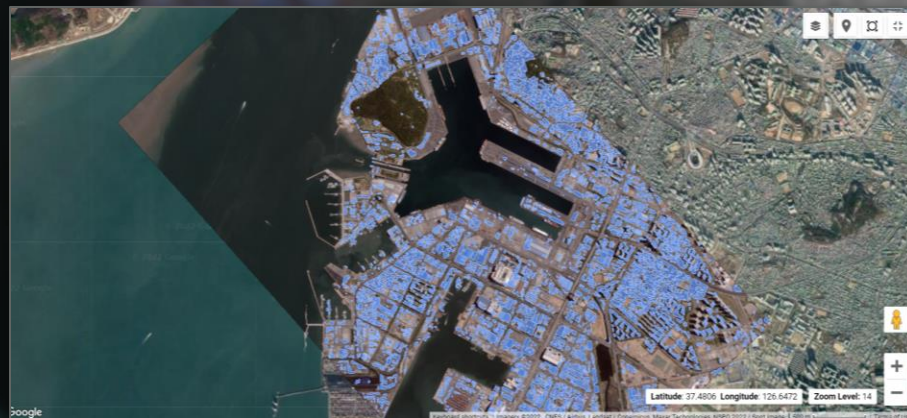
Dynamic monitoring from space provides
insights at industry-leading speeds,
frequency, latency and economics.

- Control tasks through an easy-to-use interface
- Transparent and weather-informed feasibility
- High order fulfillment rate

Intuitive
user
interface



AI-enabled
analytics

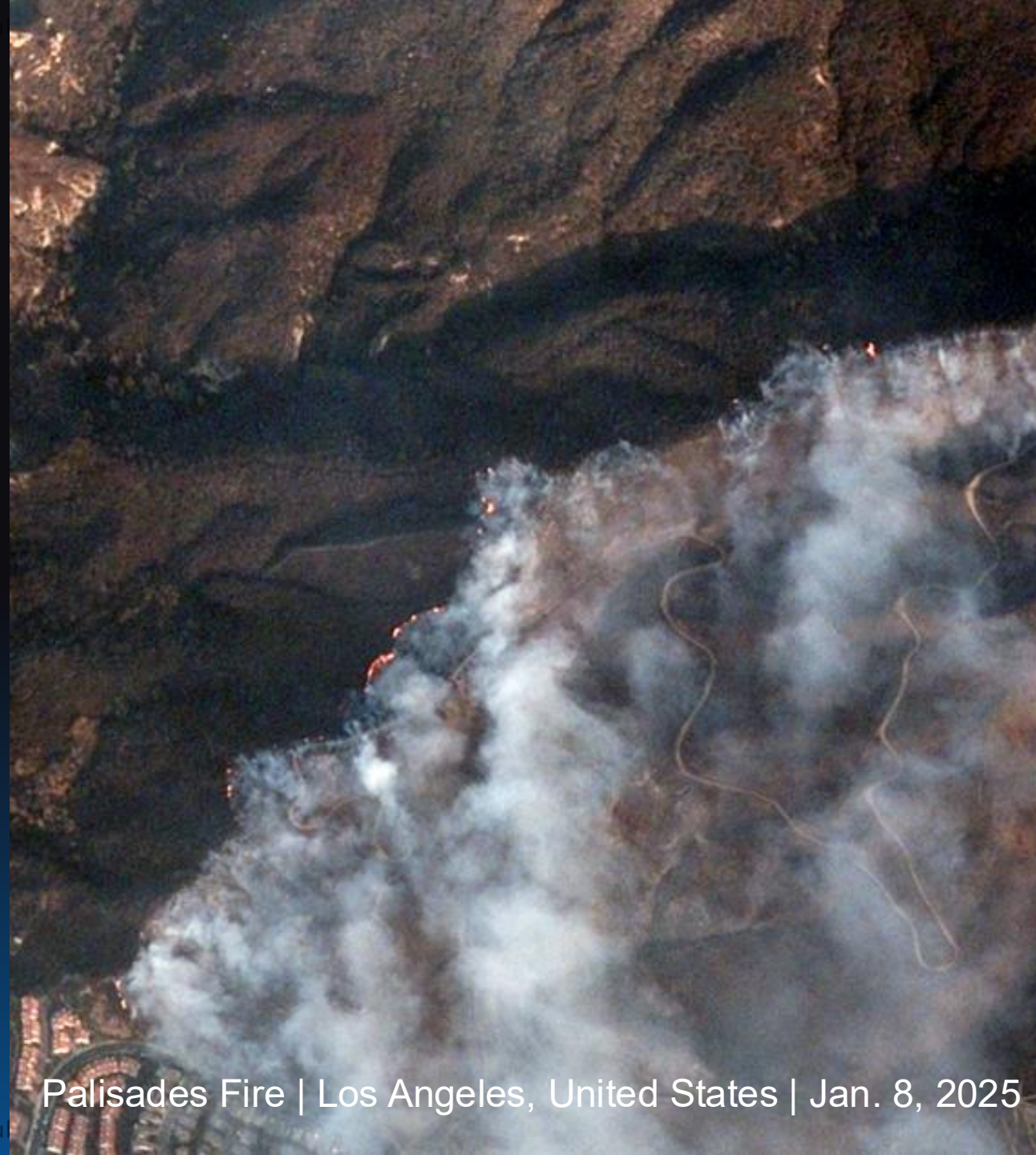


On-demand
imagery

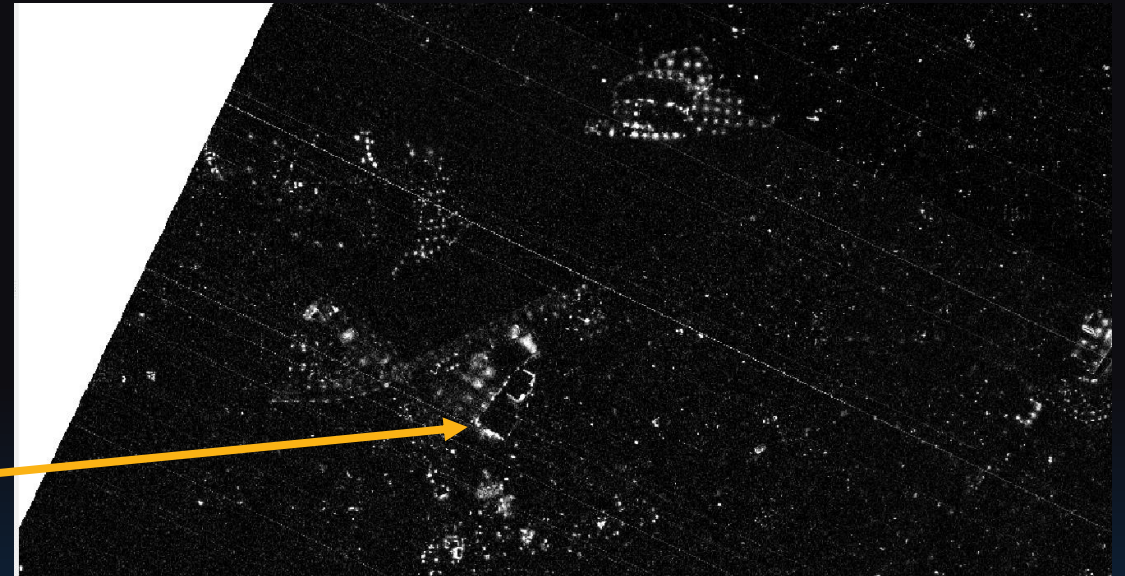


BlackSky serves the Earth Science community

- Urban development
- Debris-covered glaciers
- Tree crowns (density/loss)
- Snow cover
- Algae (spread/shrink)
- Disaster monitoring and recovery
- Crop field boundary measurement
- Monitor change in mine extraction

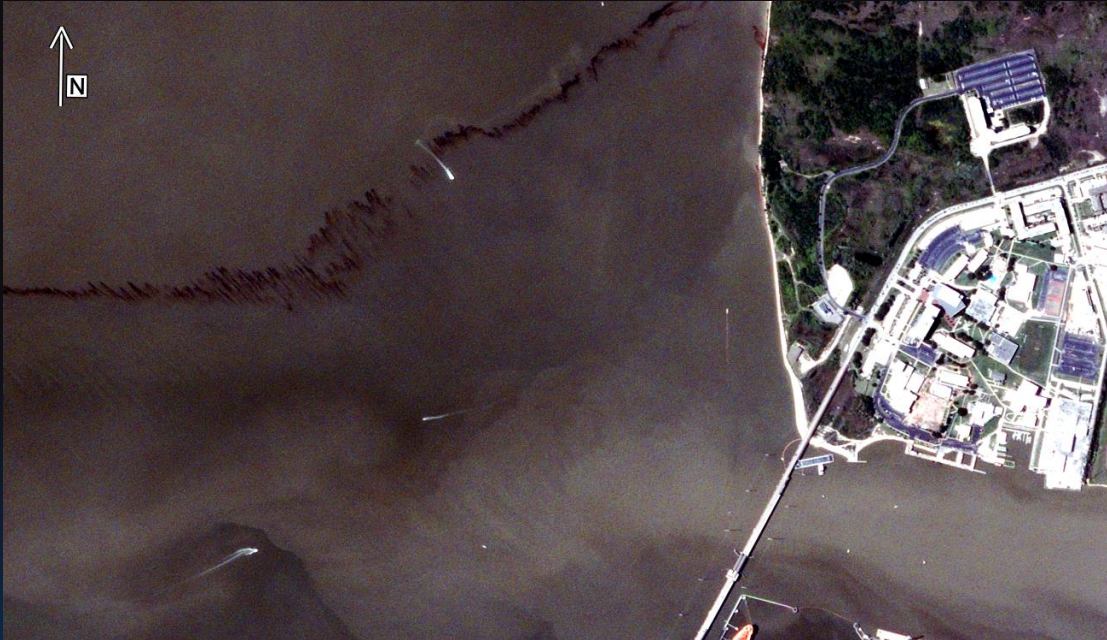


Albuquerque, NM at dusk and at night



BlackSky rapid delivery

Oil spill: Galveston, Texas



Ordered 2:37 p.m. | Acquired 4:27 p.m. | Delivered 5:47 p.m.
May 15, 2024

Tornado path: Elkhorn, Nebraska



Ordered 9:30 a.m. | Acquired 1:06 p.m. | Delivered 2:45 p.m.
April 17, 2024

BlackSky site monitoring

Algal bloom: Mantua, Utah



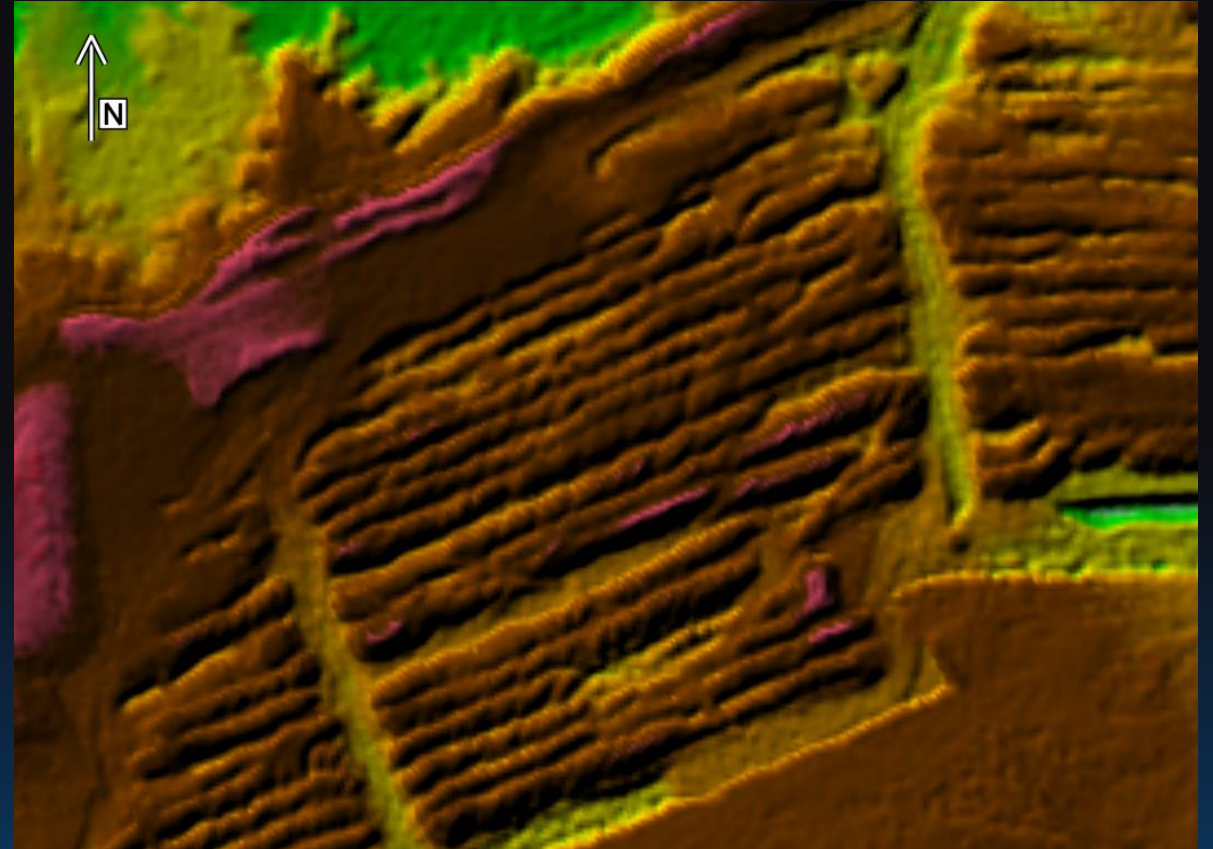
Algal bloom in Mantua, Utah: Three days later



BlackSky enables 3D surface generation



Mine in New Mexico: 5-frame stereo



Generated digital elevation model

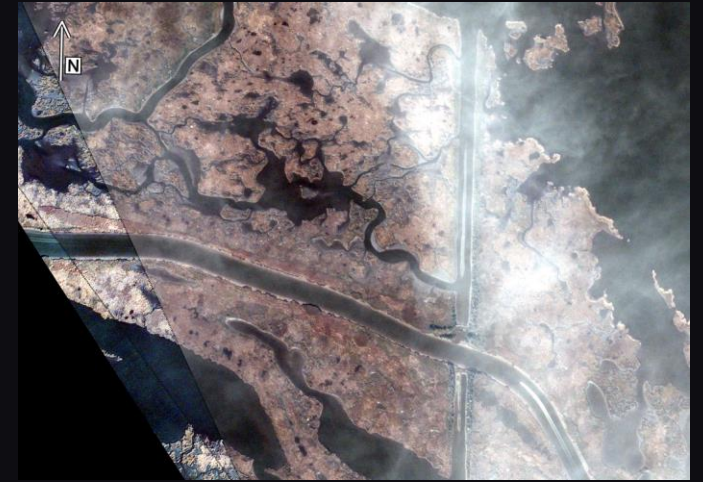
BlackSky intra-day rapid revisit



Dec. 31, 2023 8:45 a.m.



Dec. 31, 2023 9:41 a.m.



Dec. 31, 2023 1:42 p.m.



Dec. 31, 2023 4:00 p.m.



Dec. 31, 2023 4:30 p.m.



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Technical information


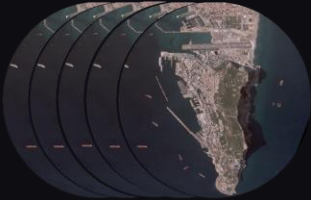
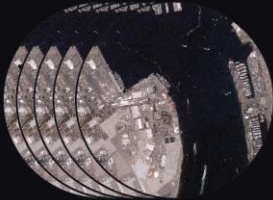
SPECIFICATIONS

Imagery products

	Daytime	Nighttime	Area 2x1 (2-frame)
Sample			
Description	Single-frame image taken during daylight hours.	Single-frame image capturing ambient light during nighttime hours.	Two (2) images acquired by the same satellite in a single pass with an overlap of approximately 20%.
Collection to delivery	90 minutes ¹		
Revisit	60 minutes ¹		
Best GSD at nadir	83 cm		
Min. scene size	24 km ² (4 x 6 km)		35 km ²
Spectral bands	RGB, Panchromatic		
Geolocation accuracy	< 10 m CE90 in Australia, United States; < 20 m CE90 rest of world		
File formats	GeoTIFF, NITF 2.1		
Processing level	Non-ortho, Ortho	Non-ortho	Non-ortho, Ortho

Specifications for Gen-2 imagery only.

Imagery products (continued)

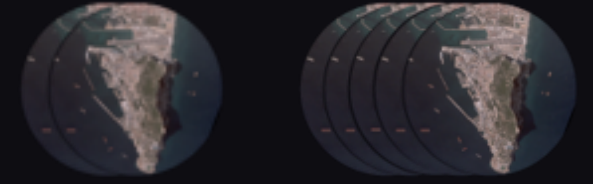
	Stereo (2-frame)	Stereo (5-frame)	Burst (5-frame)
Sample			
Description	Two (2) images of the same target taken by the same satellite in a single pass from different angles	Five (5) images of the same target taken by the same satellite in a single pass from convergence angles	Five (5) images acquired in rapid sequence by the same satellite in a single pass
Collection to delivery	90 minutes ¹		
Revisit	60 minutes ¹		
Best GSD at nadir	83 cm		
Spectral bands	RGB, Panchromatic		
Min. scene size	24 km ² (4 x 6 km)		
Geolocation accuracy	< 10 m CE90 in Australia, United States; < 20 m CE90 rest of world		
File formats	GeoTIFF, NITF 2.1		
Processing level	Non-ortho		Ortho, Non-ortho

Specifications for Gen-2 imagery only.

¹ Timelines are subject to change and vary by customer and architecture

Stereo: Choose 2 frames or 5 frames

Use traditional pairs for uniform terrain or task five frames for complex areas

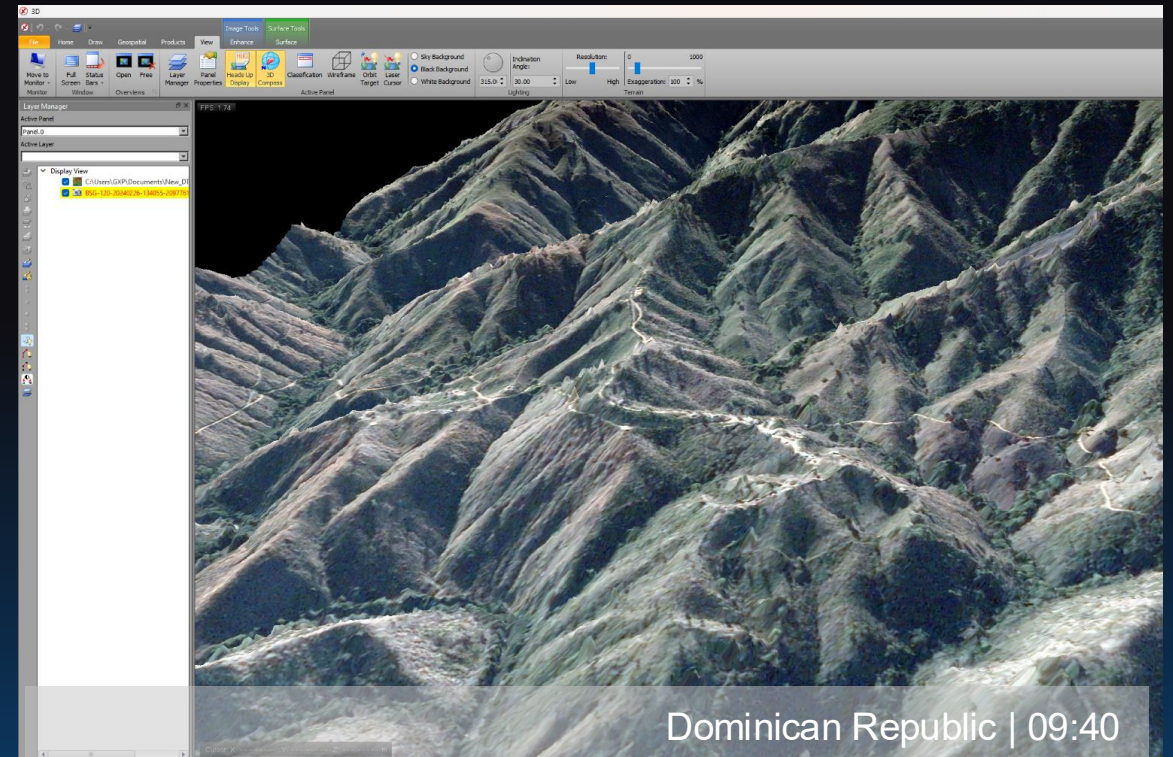


→ Get stereo in traditional pairs

Pair of images of the same target taken from different viewing angles by the same spacecraft in a single pass. This product is best for rapid 3D visualization or digital elevation model (DEM) generation over uniform terrain.

→ Task five frames for complex terrain

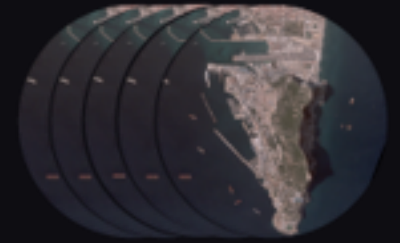
Five images of the same target taken from different viewing angles by the same spacecraft in a single pass. This product is best for high-quality DEM generation where multiple look angles are required such as urban areas, construction sites and commodity stockpiles.



Digital surface model produced in SOCET GXP from 5-frame stereo.

5-frame stereo: make excellent elevation products

Assess complex terrain such as buildings, landscapes and work sites



Build derived products, including:

- Digital surface models (DSM)
- Digital terrain models (DTM)
- Photorealistic textured 3D models
- Viewshed analysis
- Line of sight (LOS) analysis
- Triage analysis
- Helicopter landing zone (HLZ) analysis
- Topographic analysis
- Route planning analysis
- Volumetric analysis

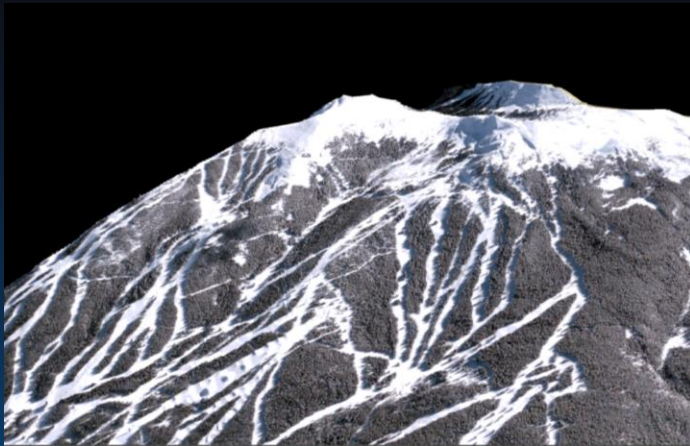
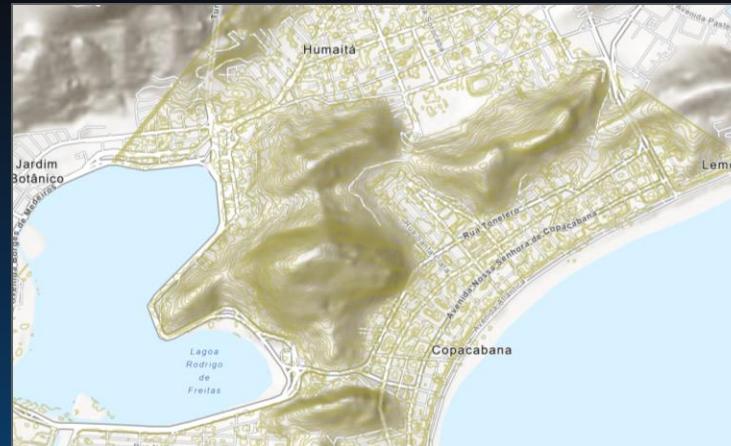
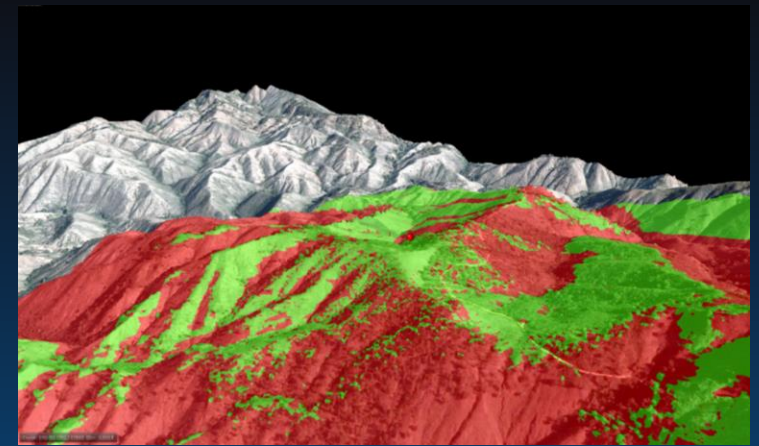


Image drape in SOCET GXP.



Topographic lines in ArcGIS Pro.



Line of sight analysis in SOCET GXP.

Nighttime: opportunities for after-dark monitoring

Gain greater insight into pattern of life, change and anomalies



- Evaluate activity levels:
 - Confirm if a facility is illuminated or dark at night.
 - Collect all opportunities or at scheduled times.
- Eliminate uncertainties:
 - See where areas of interest are illuminated at night.
 - Compare recurring collections to see change.
- Increase situational awareness:
 - Confirm electricity service for disaster response.
 - Discover anomalies in operations.



Luxor, Egypt 23:24

The Karnak Temple Complex historical site (center) along the Nile River is minimally illuminated after dark.

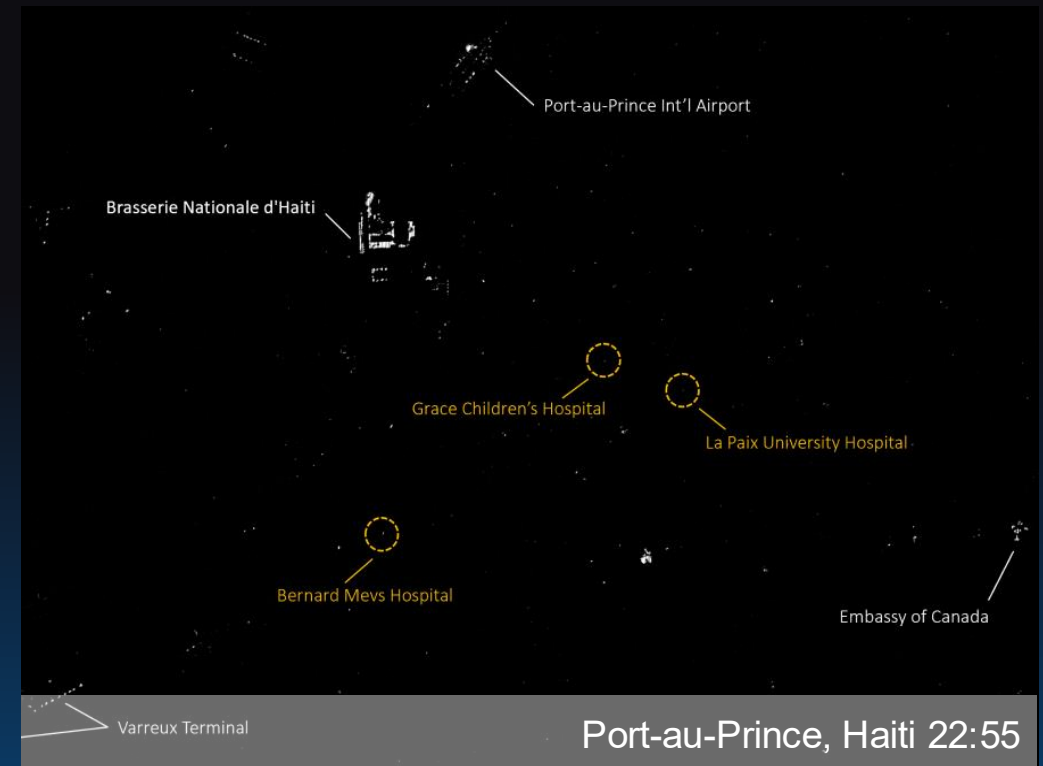
Nighttime imagery is not georeferenced.
Nighttime images may include apparent noise.

BlackSky Nighttime: fuel blockade in Haiti

Assessing the scale of power outages due to gang activity



- A gang-led fuel blockade in Port-au-Prince left many facilities without power.
- Hospitals, businesses and schools shut down or scaled back operations during the two-month blockade.
- Unsafe conditions across the city made it difficult to confirm operational status.
- Space-based nighttime images help confirm electricity service for public safety situational awareness and emergency response.
- Ultimately, the blockade ended after action from Haitian National Police.



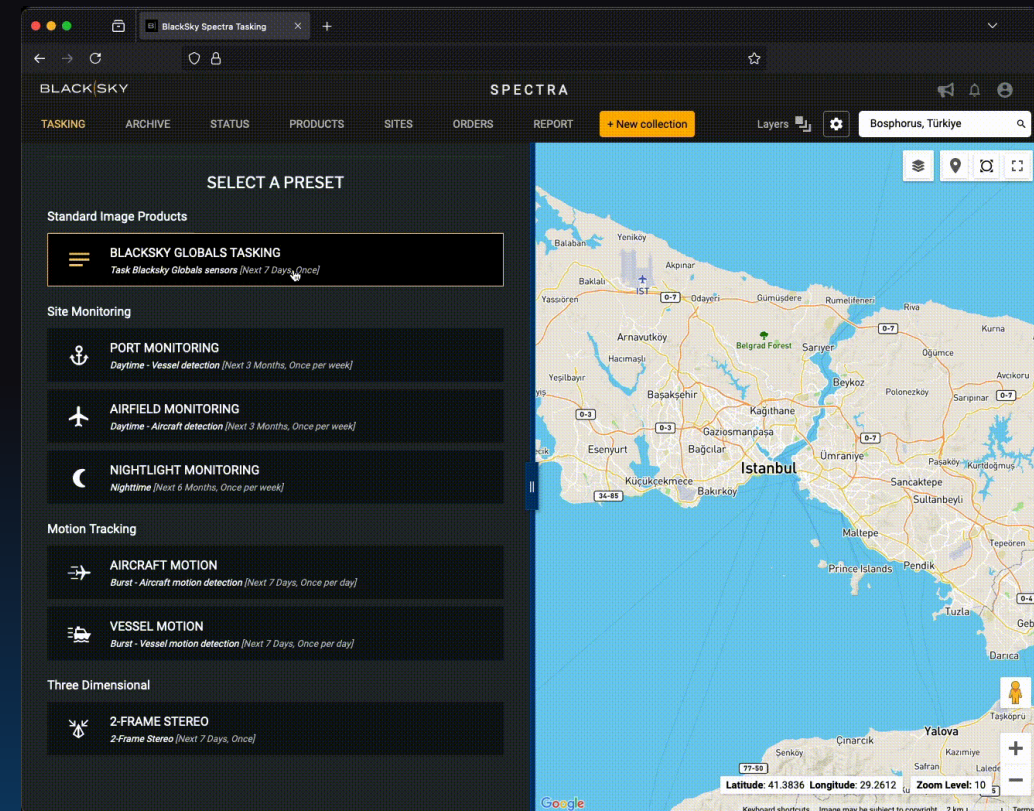
Annotations show which facilities are operating (white) and which are not (yellow).

BlackSky Spectra®

Discover the world's most advanced space-based intelligence platform

Leverage dynamic full-spectrum monitoring from space at industry-leading speeds, frequency and economics with the Spectra platform.

- Task satellites securely and get answers in minutes.
- Maximize situational awareness with relevant data and AI-powered analytics.
- Easily access data with flexible options and intuitive controls.



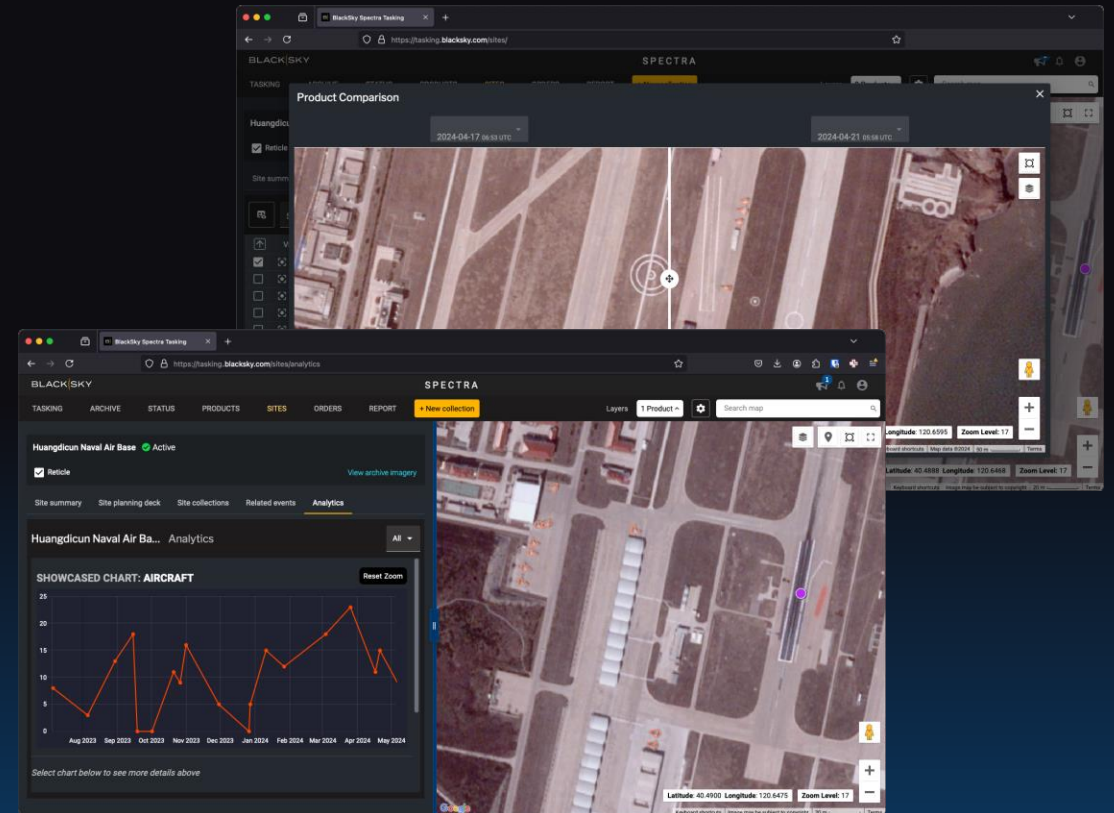
Tasking BlackSky imagery for Strait of Bosphorus, Türkiye

Sites in BlackSky Spectra

Monitor more effectively with location-centric software tools

Connect all your data for an area of interest with Sites.

- Create unlimited Sites on the web or by API.
- Search archive imagery or start new orders without re-entering information.
- Find all a Site's ordered collections in one place. Filter by cloud cover, product types and more.
- Compare collected imagery with a swipe map in the browser.
- Automatically chart AI-detected aircraft and vessels. Download detection data in .csv format.

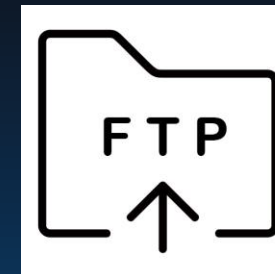


Imagery comparison swipe tool (top) and aircraft detection chart in Site for Huangdicun Naval Air Base, China.

Remote delivery: receive data faster

Automatically transfer new data from BlackSky Spectra to your secure server or cloud service

- Receive products as soon as they are available, in less time than manual download.
- Immediately trigger automated processing and start gaining insight.
- Ensure all ordered data is transferred to your systems.
- Limit use of user disk storage, reducing costs and information security risk.
- Configure for Amazon S3, Azure Blob, FTP or SFTP.



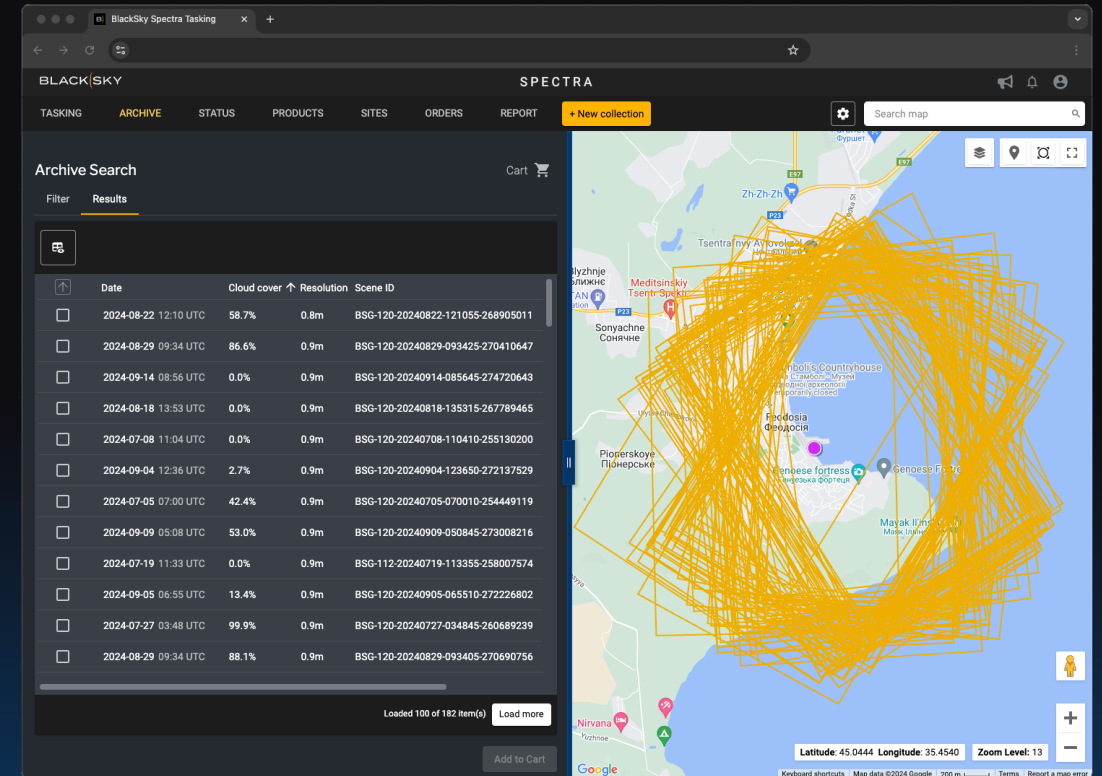
Archive

Order recent and historical BlackSky data

Understand past change at new areas of interest.

- Get today's, yesterday's or last year's data. BlackSky imagery is available to 2019.
- Search single-frame and multi-frame imagery and add detect analytics to any image.
- Order archive data at lower cost than new collections, even when it's only a few minutes old.

Nighttime imagery not available in Archive.

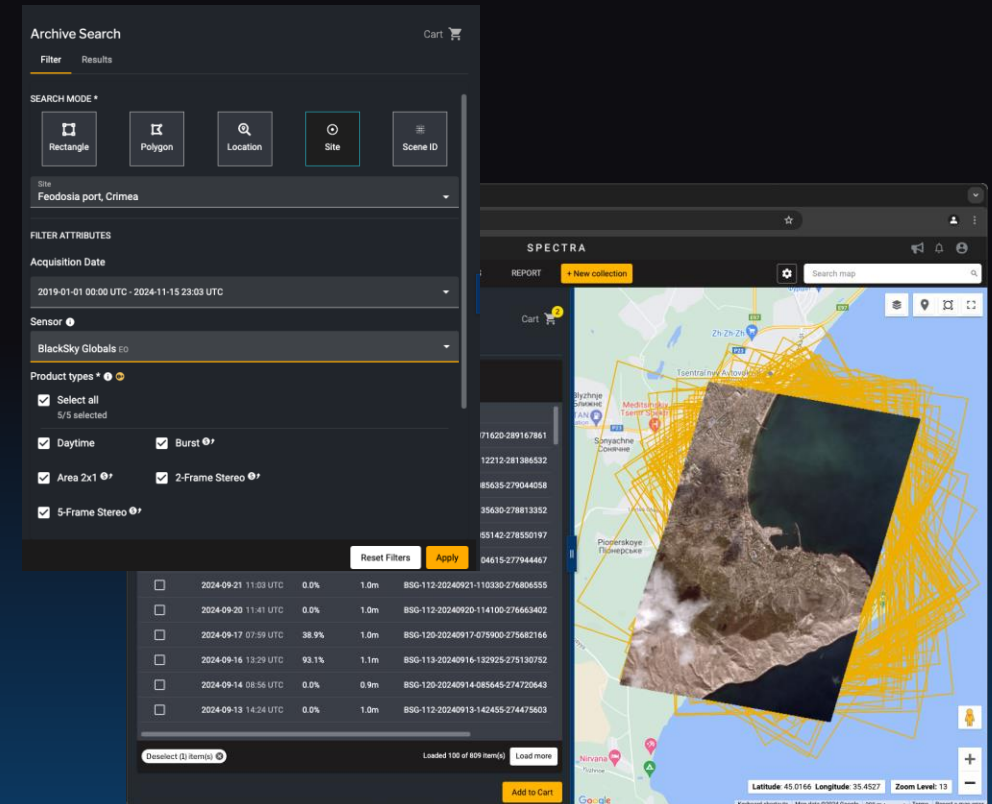


Search results for the Russia-controlled port of Feodosia in the Black Sea, for a defined period and sorted by resolution. Yellow outlines help you visualize where collections were taken.

Archive: how to search, sort and preview

Order recent and historical imagery

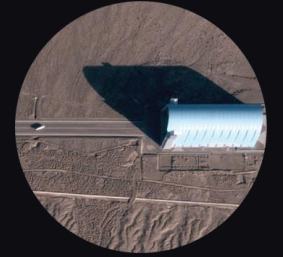
- Search with ease: define an area, select a point, load your existing Site or paste a known scene ID.
- Define time periods to get only the data you need.
- Pre-filter your query or sort the query results by cloud cover and resolution.
- Browse previews before ordering to confirm imagery meets your needs. Add detect analytics to any order.



Archive search query for a site (top) and a preview of an available image.

Daytime: dynamic monitoring from dawn to dusk

Gain pattern-of-life insight of strategic areas of interest



Dawn



Morning



Midday



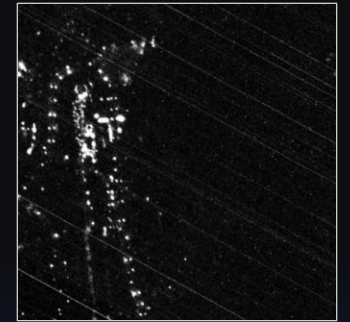
Afternoon



Dusk



After sunset



- Collect as often as you need, up to 15 times a day.
- Monitor intra-day changes with repeated revisit.
- See activity at specific times of day by tasking with your defined frequency.
- Add AI-powered analytics to any collection.
- See activity after dark with nighttime products.

Daytime: dynamic monitoring across the globe

Monitor one or hundreds of critical locations multiple times a day



How to get support

- Every customer is assigned an Account Manager to work with regarding image ordering
- We also have a Customer Success team that assists with our Spectra platform:
 - support@blacksky.com
 - 1-844-434-BKSY (2759)



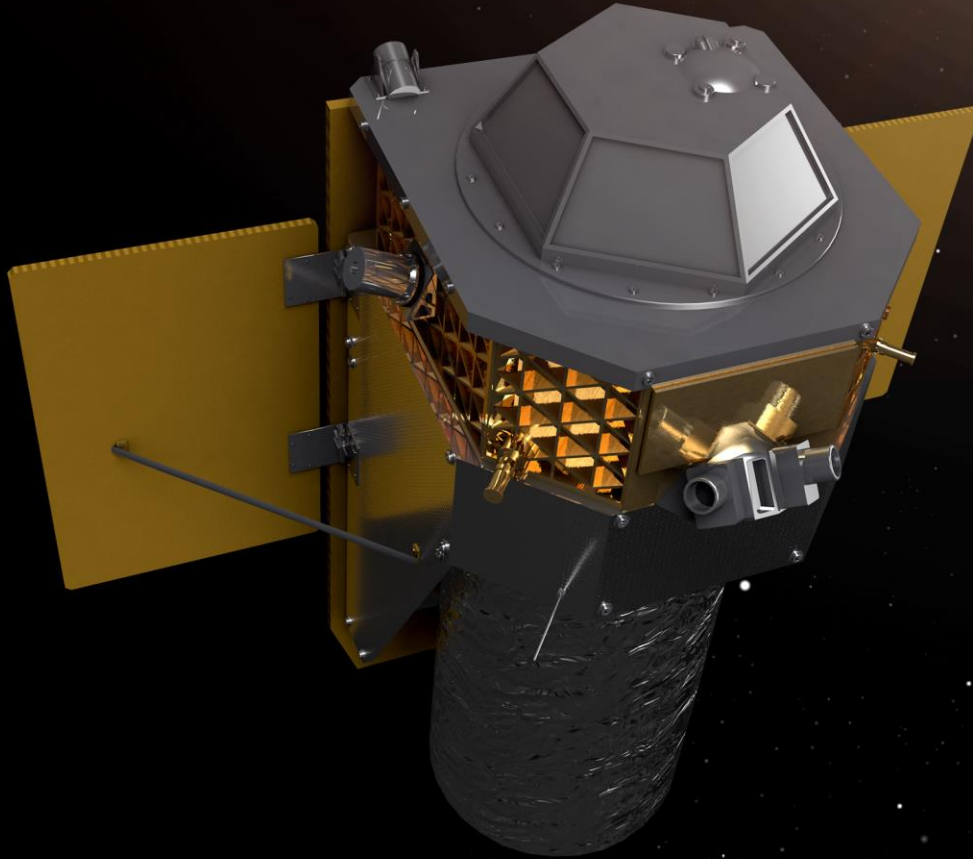
An aerial photograph of a busy port area. The foreground and middle ground are filled with thousands of colorful shipping containers (red, blue, white, yellow) stacked in neat rows. Several large cargo ships are docked at the pier, with their cranes visible. In the background, there are more industrial buildings, parking lots, and a road. The port is situated along a body of water, with a few smaller boats visible in the distance. The overall scene depicts a major hub of international trade and logistics.

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Coming soon to the Commercial Satellite Data Acquisition Program

GEN-3

A new era of space-based intelligence



Gen-3 constellation designed to deliver superior resolution, revisit, access and analytics

High-frequency, very high-resolution imaging with low-latency delivery

- 35 cm resolution
- Rapid tasking-to-delivery timelines
- AI-enabled analytics delivered in real-time
- Time-diverse high-frequency site monitoring

First Light: March 2, 2025





Gen-3 image specifications

Resolution	35 cm Visible 1.2 m Shortwave infrared
Geolocation accuracy	< 10 m CE90 Australia, U.S. < 20 m CE90 rest of world
Spectral bands	Pan: 450-700 nm Red: 580-700 nm Green: 480-590 nm Blue: 450-510 nm SWIR: 950-1700 nm
Scene size	18 km ² at nadir for Visible (3.7 km x 4.9 km) 1.8 km ² at nadir for SWIR (1.5 km x 1.2 km)
NIIRS	5+ Visible 3+ Shortwave infrared
Imagery products	Single-frame daytime Single-frame nighttime Area 2x1 Burst (5-frame) Stereo (2 and 5-frame) Shortwave infrared
Product formats	GeoTIFF NITF 2.1



Imagery products without dynamic range adjustment (DRA)

- Daytime imagery products provided through the Spectra platform have undergone DRA and color correction as a part of standard processing.
- Opportunity to provide CSDA customers with a non-DRA product with Proto processing only.
- Proto processing reduces sensor-to-sensor variation. Proto processing corrects for sensor defects or artifacts, improves the geolocation accuracy of the image, and assesses the cloud score of the image.
- NASA customers can help by providing context around their needs for non-DRA imagery.

Non-earth imaging (NEI)



Space situational awareness is critically important as the space domain continues to become a more contested operational environment.

BlackSky's **high-cadence imaging** from mid-inclinations increases the feasibility of capturing frequent NEI.

The result is reliable, **actionable space-based intelligence** about key on-orbit objects of interest.



Harness the power of a superpower.