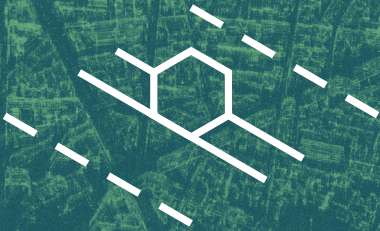


ICEYE

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ICEYE TASKING IMAGING MODES

AVAILABLE IMAGING MODES

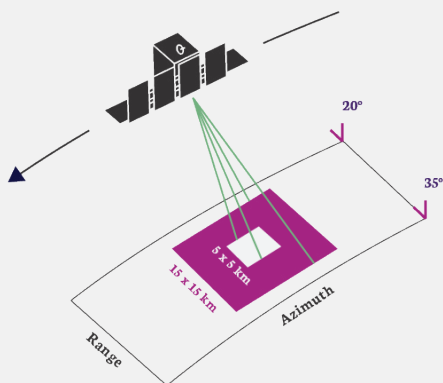
Spot
Spot Extended Area
Strip
Scan

FORTHCOMING IMAGING MODES

Spot Extended Dwell
Scan High

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AVAILABLE IMAGING MODES

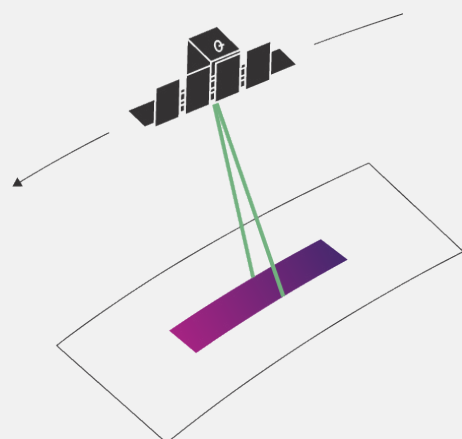


SPOT (STANDARD) / SPOT EXTENDED AREA (SLEA)

Spot offers the finest resolution available.

- ▶ Spot resolution (rg x az): 0.5 x 0.25 m (Slant), 1 x 1 m (Ground)
- ▶ SLEA resolution (rg x az): 0.5 x 1 m (Slant), 1 x 1 m (Ground)
- ▶ Scene (rg x az): 5 x 5 km (standard), 15 x 15 km (SLEA)
- ▶ ESA Resolution class: VHR-1
- ▶ X-band

Standard Data Package Includes: SLC, GRD, Quicklook and Thumbnail.

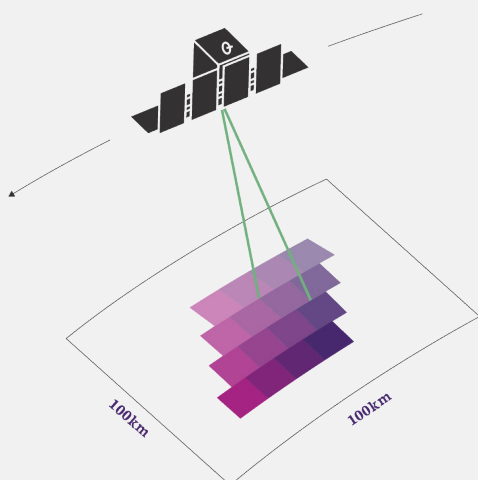


STRIP

Strip is a standard ICEYE imaging mode. It can be acquired as a single scene or as a strip.

- ▶ Resolution (rg x az): 0.5 - 2.5 x 3 m (Slant), 3 x 3 m (Ground)
- ▶ Scene (rg x az): 30 x 50 km (can be extended in length in 50 km increments up to 600 km)
- ▶ ESA Resolution class: VHR-2
- ▶ X-band

Standard Data Package Includes: SLC, GRD, Quicklook and Thumbnail.

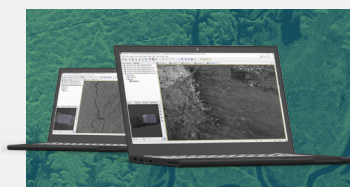


SCAN

Scan is a wide-area imaging mode enabling acquiring 10,000 km² in a single SAR image.

- ▶ Resolution (rg x az): 15 x 15 m (Ground)
- ▶ Scene (rg x az): 100 x 100 km
- ▶ Beams: 4
- ▶ X-band

Standard Data Package Includes: GRD, Quicklook and Thumbnail.

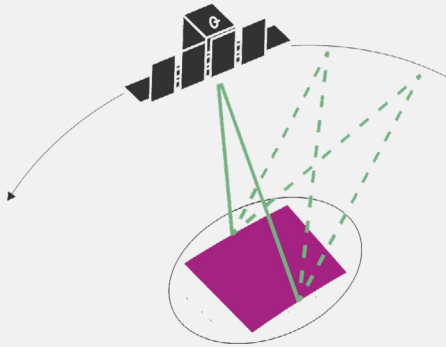


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FORTHCOMING IMAGING MODES

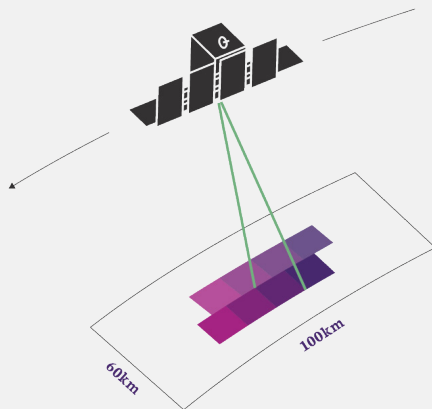


SPOT EXTENDED DWELL

COMING SOON

In this mode, the area is illuminated for an extended time of 25 seconds in a single pass. It facilitates splitting the data into several separate frames enabling analysis of movement.

- ▶ Imaging time: 25s
- ▶ Resolution (rg x az): variable x 1 m (Ground)
- ▶ Scene (rg x az): 5 x 5 km
- ▶ X-band

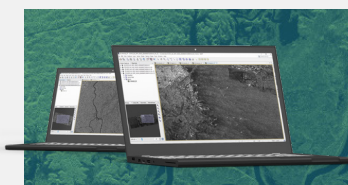


SCAN HIGH

COMING SOON

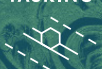
Scan High enables imaging large area with a higher resolution.

- ▶ Resolution (rg x az): 6 x 6 m (Ground)
- ▶ Scene (rg x az): 100 x 60 km
- ▶ Beams: 4
- ▶ X-band



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TASKING



ICEYE TASKING IMAGING MODES

IMAGING MODES	SLANT RESOLUTION	GROUND RESOLUTION	SCENE SIZE	INCIDENCE ANGLES	STATUS
SPOT	0.5 x 0.25 m	1.0 x 1.0 m	5 x 5 km	20-35°	Available
SPOT EXTENDED AREA	0.5 x 1 m	1.0 x 1.0 m	15 x 15 km	20-35°	Available
STRIP	0.5 - 2.5 x 3.0 m	3.0 x 3.0 m	30 x 50 km	15-30°	Available
SCAN	-	15 x 15 m	100 x 100 km	21-29°	Available
SPOT EXTENDED DWELL	0.5 x 0.25 m	1.0 x 1.0 m	5 x 5 km	20-35°	Coming soon
SCAN HIGH	-	6 x 6 m	60 x 100 km	21-29°	Coming soon


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DOWNLOAD: ICEYE LEVEL 1 PRODUCT FORMAT SPECIFICATION

DOWNLOAD: ICEYE DATA CALIBRATION AND VALIDATION



A close-up photograph of a satellite component, likely a solar panel array, being assembled or inspected in a cleanroom. The component features a grid of dark solar cells mounted on a metallic frame. Below the solar panels, there is a section covered in crinkled silver thermal insulation. Various gold-colored connectors, wires, and mechanical parts are visible. A person wearing a white lab coat and a hairnet is partially visible on the right side of the frame, working on the component. The background shows the interior of a cleanroom with various equipment and cables.

“ The first operational ICEYE satellite was launched in January 2018. Now, all the ICEYE imaging products are available from our commercial constellation of satellites.

STEVE YOUNG

VP, BUSINESS DEVELOPMENT
AND SALES, ICEYE

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