

UMBRA COMMERCIAL SATELLITE IMAGERY

UMBRA PUBLIC

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June 6-7 2023

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NextGen space technology company

100% American owned/controlled

Operates the US's **highest resolution shareable commercial Synthetic Aperture Radar constellation**

120 employees

Online **UI or API** for self-tasking











ChatBox

Write me a joke to open a speech at a conference with the aerospace community in India addressing space sustainability.



ChatBox

Why did the astronaut break up with his girlfriend?



ChatBox

Write me a joke to open a speech at a conference with the aerospace community in India addressing space sustainability.



ChatBox

Why did the astronaut break up with his girlfriend?

Because he needed his space!

But in all seriousness, let's talk about how we can work together to ensure the sustainability of our space endeavors.



THE UMBRA DIFFERENCE



100% American owned
and operated



Transparent pricing model



Cost-effective built,
launched and operated
micro-sats



Highest resolution
spotlight SAR imagery on
the commercial market



Dedicated focus on
commercial markets



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TARTUS, SYRIA

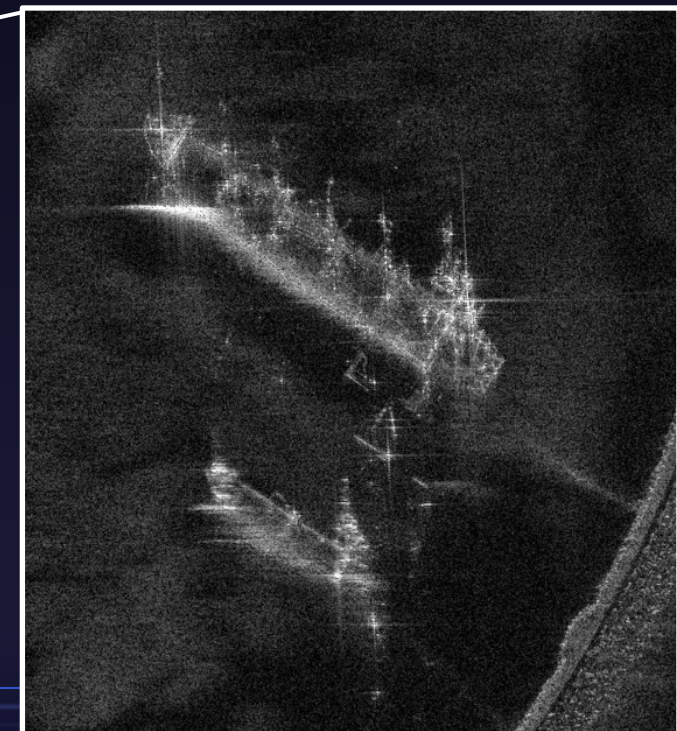
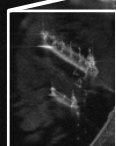
Russian Mediterranean Fleet

COLLECT PARAMETERS

CAPTURE WINDOW

Friday, February 10, 2023 7:18:49 AM - 7:18:49 AM UTC

MODE	RESOLUTION	FOOTPRINT	SATELLITE ID	TARGET AZIMUTH
<i>SPOTLIGHT</i>	<i>0.35 m</i>	<i>16 km²</i>	<i>UMBRA_05</i>	<i>100.85°</i>
GRAZING	INCIDENCE	SLANT RANGE	SQUINT	POLARIZATION
<i>65.54°</i>	<i>24.42°</i>	<i>567.7 km</i>	<i>-2.97°</i>	<i>VV</i>



YUNLIN COUNTY, TAIWAN

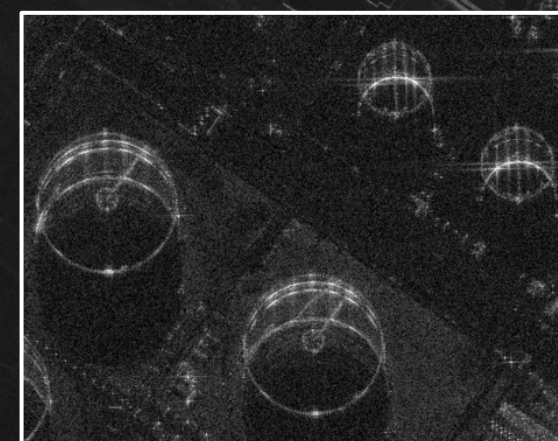
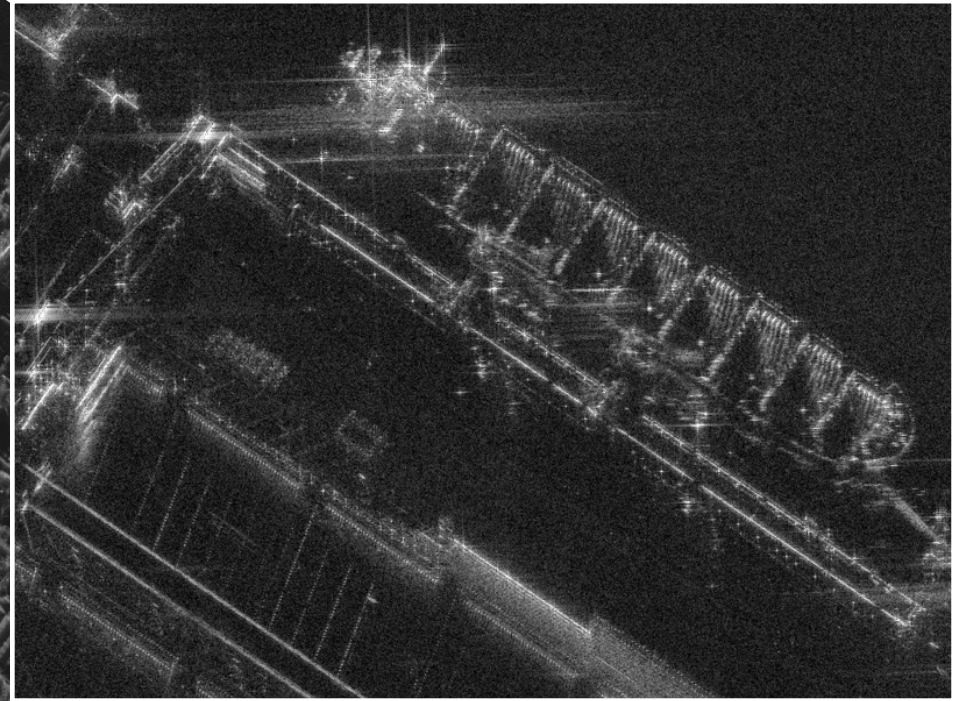
Oil storage and port activity

COLLECT PARAMETERS

CAPTURE WINDOW

Tuesday, January 24, 2023 1:36:02 PM - 1:36:02 PM UTC

MODE	RESOLUTION	FOOTPRINT	SATELLITE ID	TARGET AZIMUTH
SPOTLIGHT	0.25 m	16 km²	UMBRA_04	259.80°
GRAZING	INCIDENCE	SLANT RANGE	SQUINT	POLARIZATION
44.34°	45.63°	734.1 km	-0.41°	VV



KAMCHATKA, RUSSIA

Rybachiy Submarine Base



COLLECT PARAMETERS

CAPTURE WINDOW

Monday, March 6, 2023 11:54:21 PM - 11:54:21 PM UTC

MODE	RESOLUTION	FOOTPRINT	SATELLITE ID	TARGET AZIMUTH
<i>SPOTLIGHT</i>	<i>0.5 m</i>	<i>16 km²</i>	<i>UMBRA_05</i>	<i>308.17°</i>
GRAZING	INCIDENCE	SLANT RANGE	SQUINT	POLARIZATION
<i>59.18°</i>	<i>32.47°</i>	<i>608.5 km</i>	<i>-1.29°</i>	<i>VV</i>



KAMCHATKA, RUSSIA

Rybachiy Submarine Missile Loading Docks

COLLECT PARAMETERS

CAPTURE WINDOW

Tuesday, March 7, 2023 12:10:42 AM - 12:10:42 AM UTC

MODE	RESOLUTION	FOOTPRINT	SATELLITE ID	TARGET AZIMUTH
SPOTLIGHT	0.5 m	16 km²	UMBRA_04	291.08°
GRAZING	INCIDENCE	SLANT RANGE	SQUINT	POLARIZATION
40.70°	49.28°	775.0 km	-1.17°	VV



KAMCHATKA, RUSSIA

Rybachiy Submarine Missile Loading Docks

COLLECT PARAMETERS

CAPTURE WINDOW

Tuesday, March 7, 2023 10:40:46 AM - 10:40:46 AM UTC

MODE	RESOLUTION	FOOTPRINT	SATELLITE ID	TARGET AZIMUTH
<i>SPOTLIGHT</i>	<i>0.5 m</i>	<i>16 km²</i>	<i>UMBRA_05</i>	<i>274.41°</i>
GRAZING	INCIDENCE	SLANT RANGE	SQUINT	POLARIZATION
<i>49.62°</i>	<i>40.22°</i>	<i>664.4 km</i>	<i>-15.83°</i>	<i>VV</i>

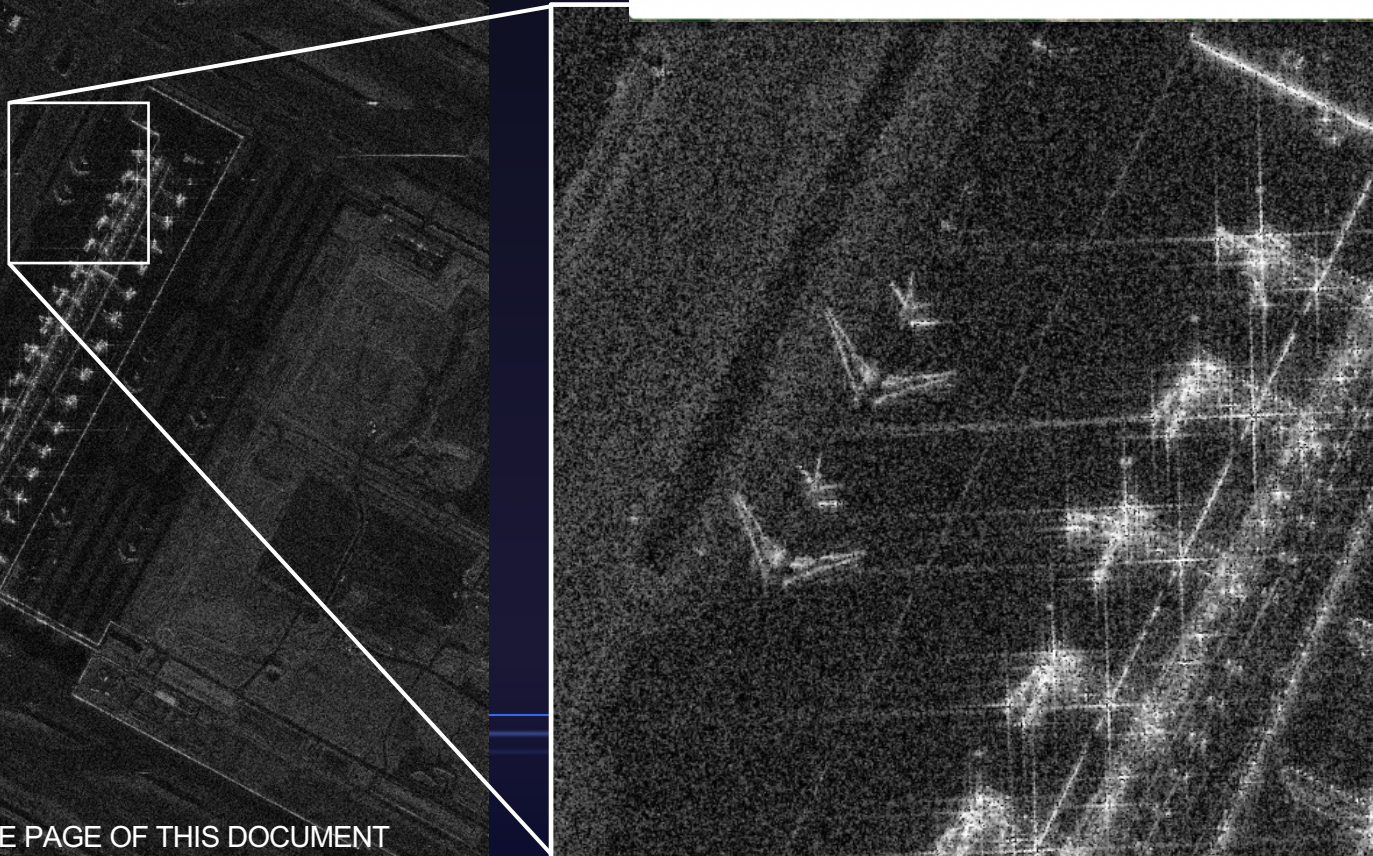


COLLECT PARAMETERS

CAPTURE WINDOW

Wednesday, February 1, 2023 3:05:26 AM - 3:05:26 AM UTC

MODE	RESOLUTION	FOOTPRINT
SPOTLIGHT	0.5 m	16 km²
SATELLITE ID	TARGET AZIMUTH	GRAZING
UMBRA_04	281.83°	59.97°
INCIDENCE	SLANT RANGE	SQUINT
30.02°	593.5 km	-1.69°
POLARIZATION		
VV		



SPARKS, NEVADA

Industrial production - Tesla Gigafactory

COLLECT PARAMETERS

CAPTURE WINDOW

Thursday, February 2, 2023 5:22:34 AM - 5:22:34 AM UTC

MODE SPOTLIGHT	RESOLUTION 0.5 m	FOOTPRINT 16 km²	SATELLITE ID UMBRA_05	TARGET AZIMUTH 265.66°
GRAZING 49.94°	INCIDENCE 40.10°	SLANT RANGE 668.9 km	SQUINT -4.84°	POLARIZATION VV



YAPACANA NATIONAL PARK

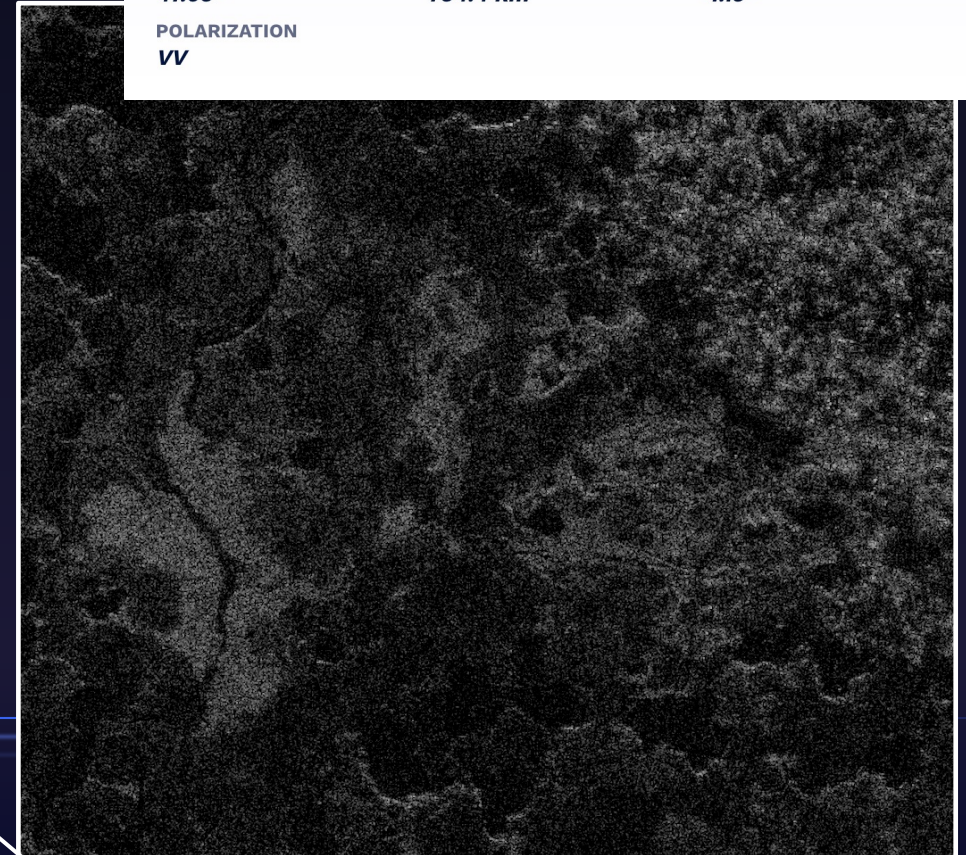
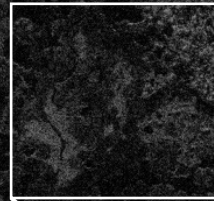
Illegal deforestation and mining

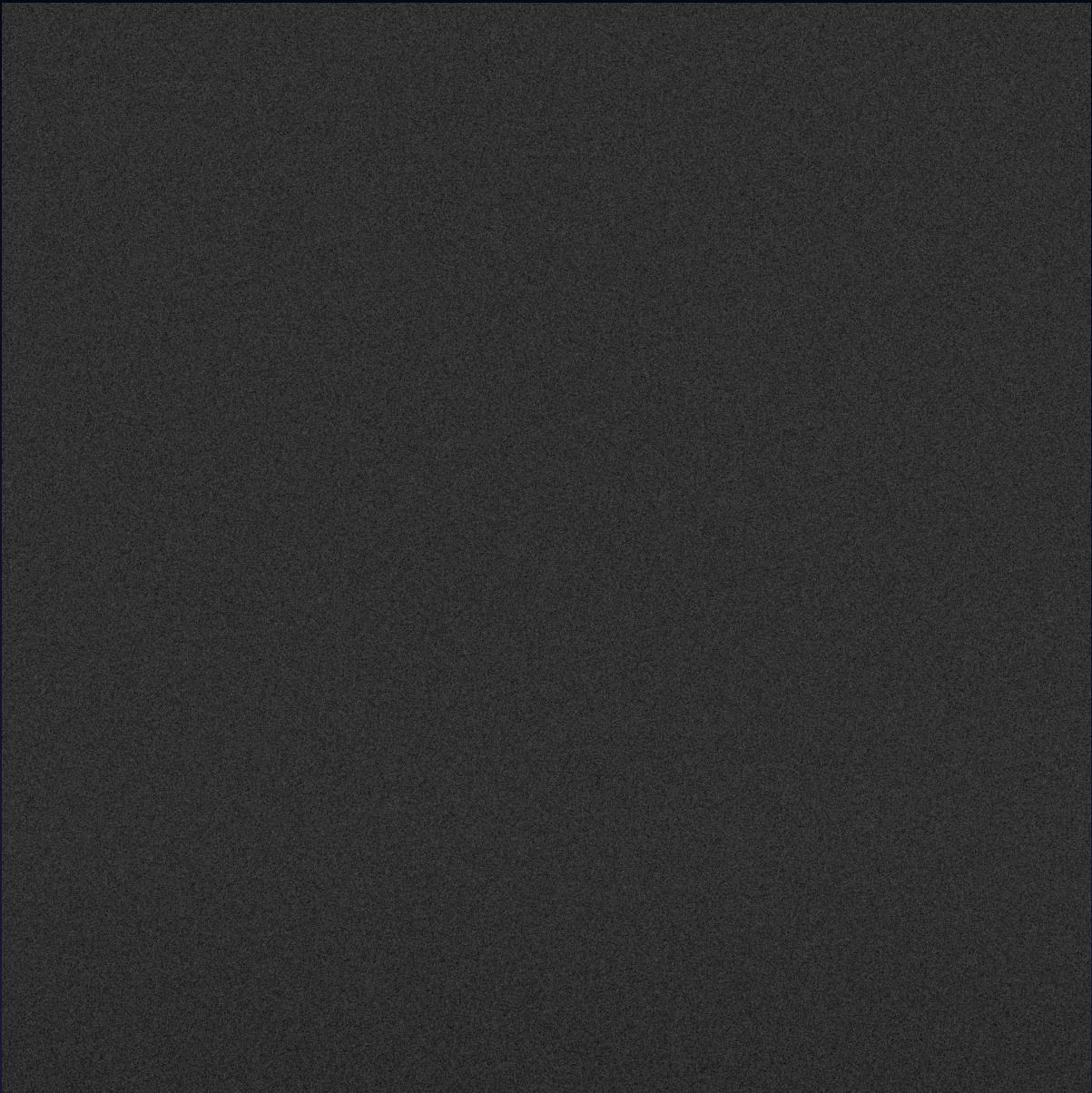
COLLECT PARAMETERS

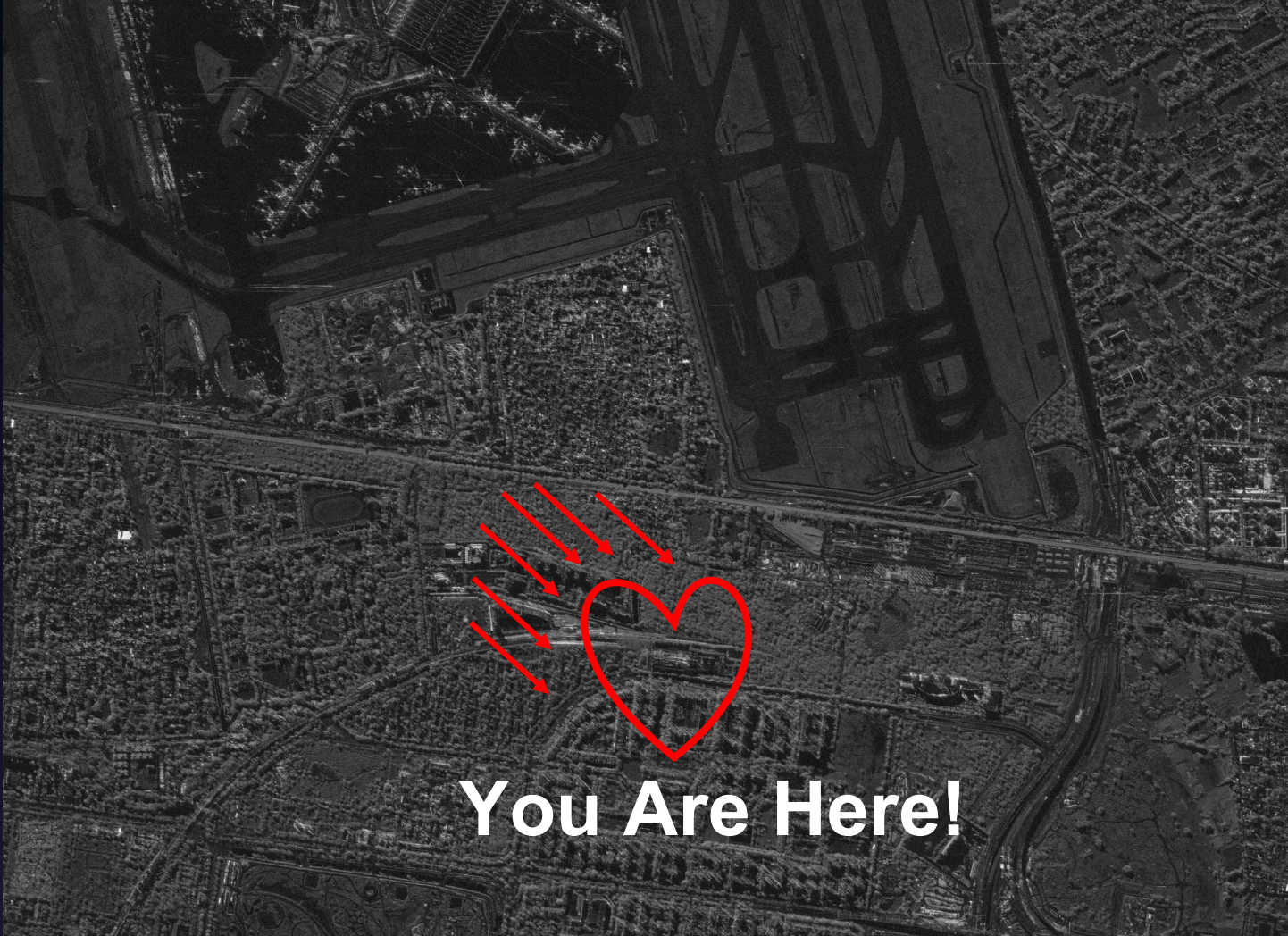
CAPTURE WINDOW

Friday, February 3, 2023 1:42:03 PM - 1:42:03 PM UTC

MODE	RESOLUTION	FOOTPRINT
SPOTLIGHT	1 m	16 km²
SATELLITE ID	TARGET AZIMUTH	GRAZING
UMBRA_05	100.60°	42.94°
INCIDENCE	SLANT RANGE	SQUINT
47.03°	734.4 km	-1.15°
POLARIZATION		
VV		







You Are Here!

COLLECT PARAMETERS

CAPTURE WINDOW
Saturday, June 3, 2023 3:52:21 PM - 3:52:21 PM UTC

MODE <i>SPOTLIGHT</i>	RESOLUTION <i>0.35 m</i>	FOOTPRINT <i>16 km²</i>	SATELLITE ID <i>UMBRA_05</i>	TARGET AZIMUTH <i>120.74°</i>
GRAZING <i>46.05°</i>	INCIDENCE <i>44.71°</i>	SLANT RANGE <i>707.3 km</i>	SQUINT <i>135.89°</i>	POLARIZATION <i>VV</i>



DELIVERING GLOBAL OMNISCIENCE