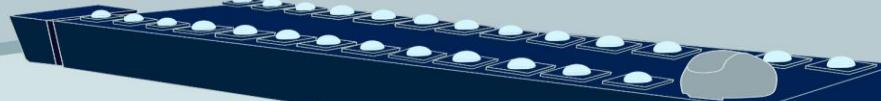


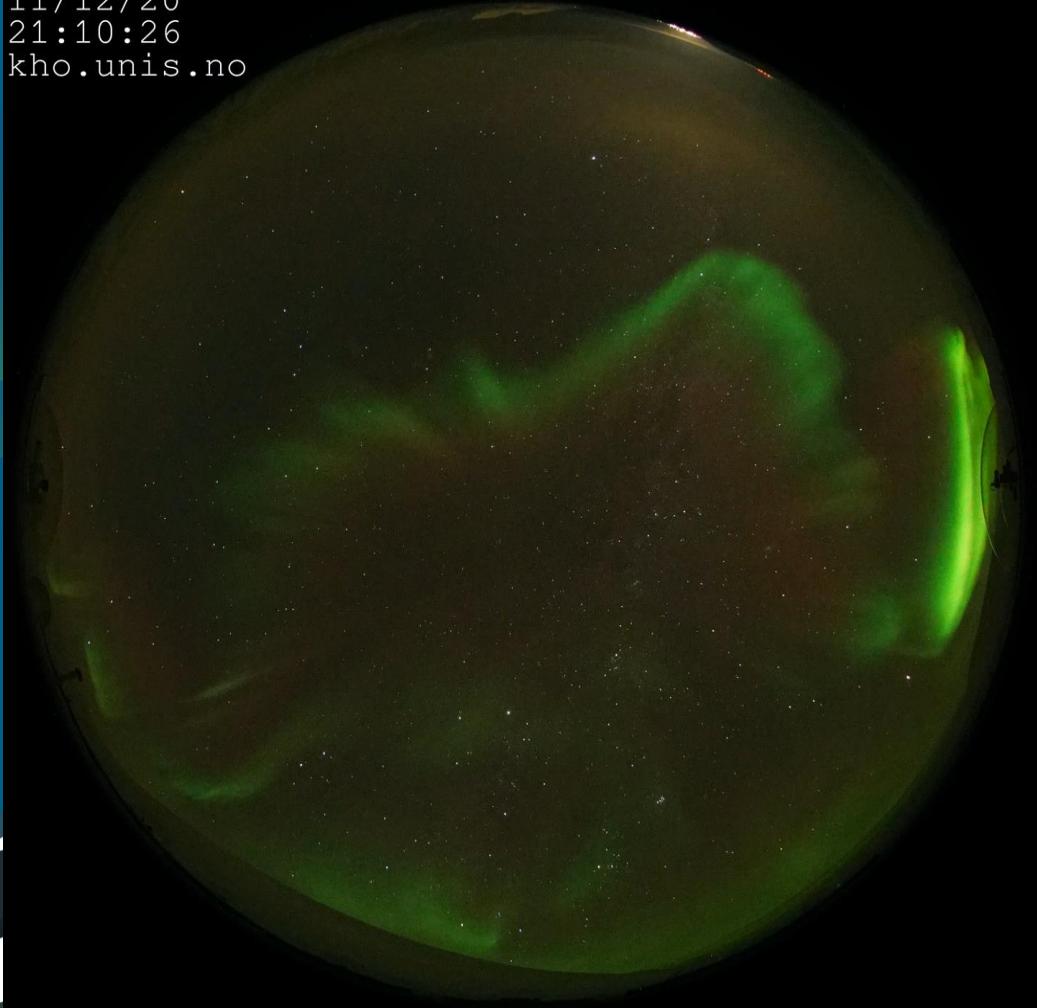
Aurora



Dr Katie Herlingshaw



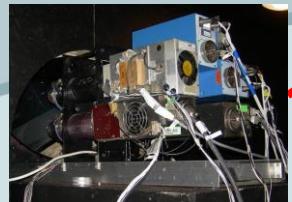
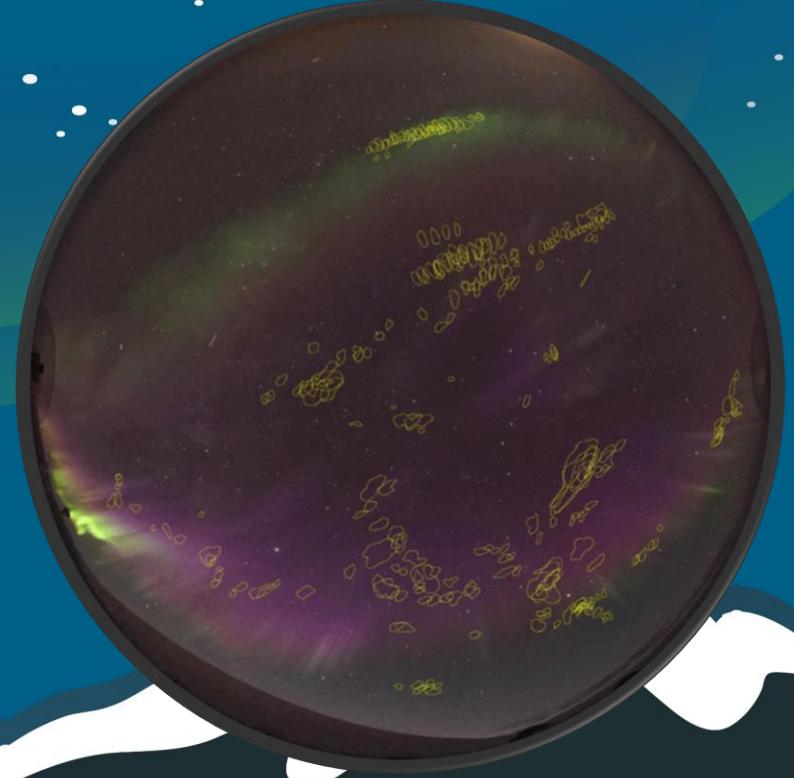
11/12/20
21:10:26
kho.unis.no



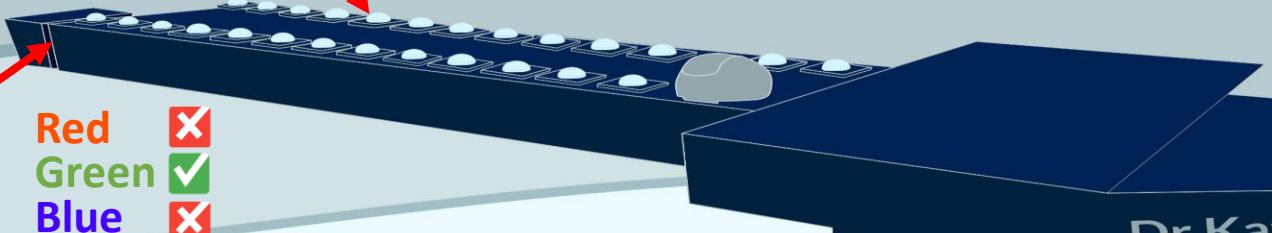
Aurora-like Fragments

$t < 1 \text{ min}$

3 km
120 km



Red
Green
Blue



Dr Katie Herlingshaw

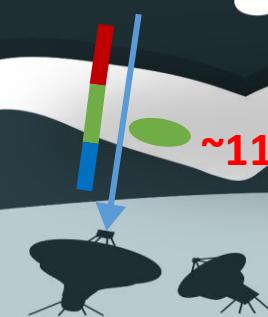
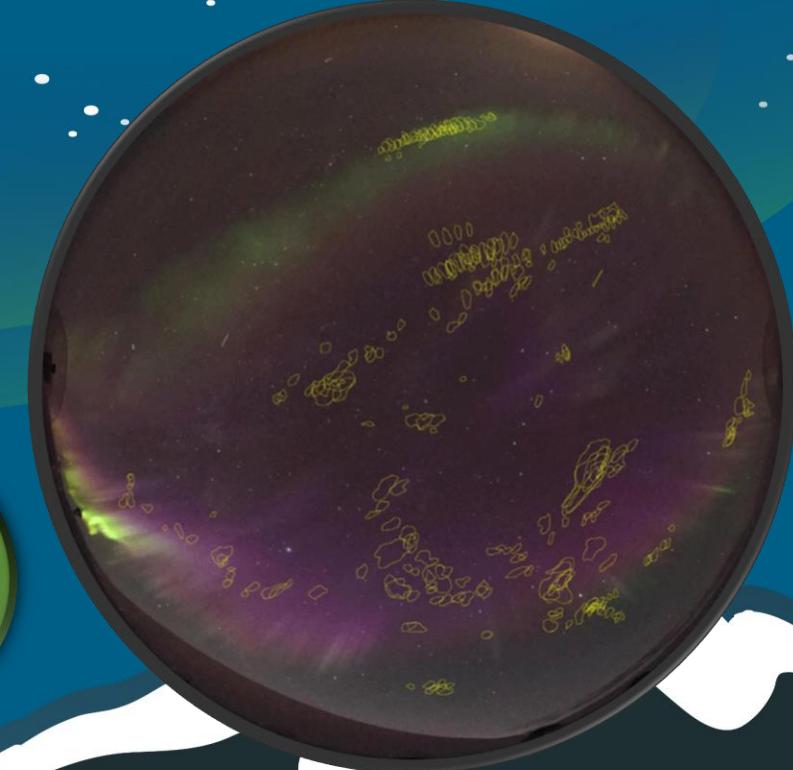
Aurora



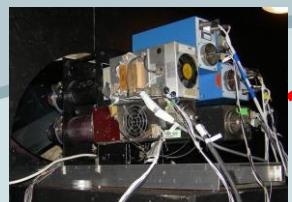
$t < 1 \text{ min}$

3 km
120 km

gements



$\sim 110 \text{ km}$



630.0 nm ✗
557.7 nm ✓
427.8 nm ✗

Aurora-like Fragments



Dr Katie Herlingshaw

ISSI TEAM



Aurora-like Fragments



Svalbardposten

4 November 2023 ·

Små «fragmenter» av grønt lys har dukket opp i nærheten av de tradisjonelle nordlysbuene. Nå undersøker forskere hva de betyr.



SVALBARDPOSTEN.NO

Undersøker nytt nordlysfenomen

Små «fragmenter» av grønt lys har dukket opp i nærheten av de tradisjonelle nordlysbuene.



Dr Katie Herlingshaw



UNIVERSITETET I BERGEN UNIS
The University Centre in Svalbard

BIRKELAND CENTRE
FOR SPACE SCIENCE



University of
Southampton



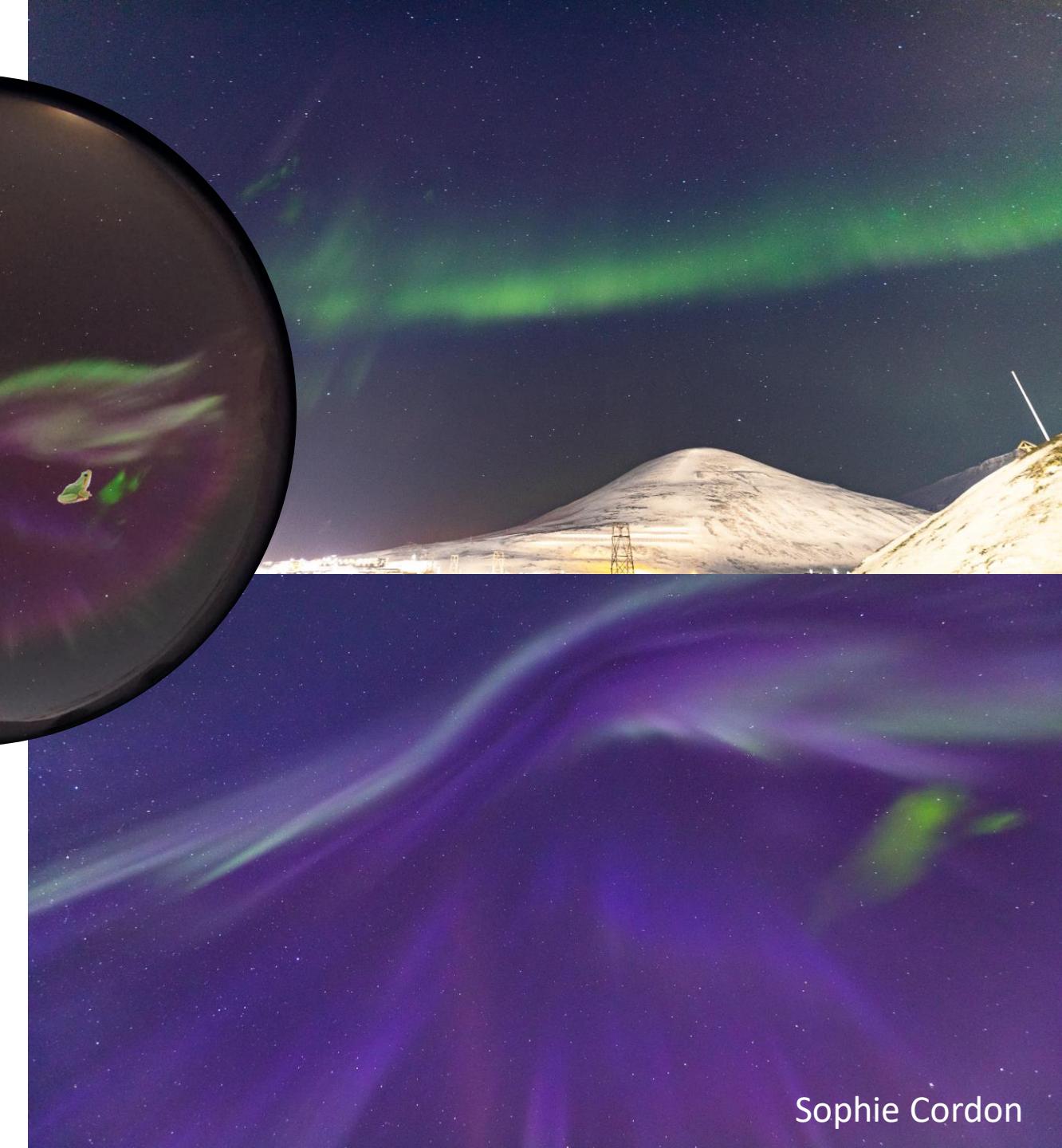
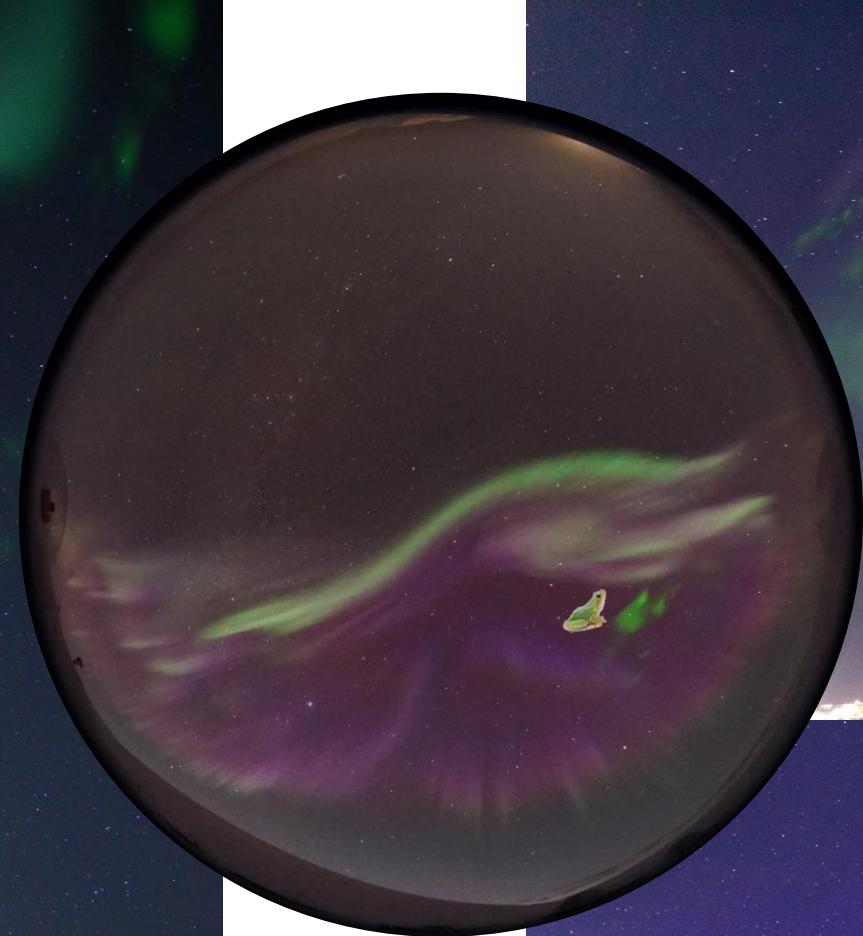
THE CATHOLIC UNIVERSITY OF AMERICA



Photos: Sophie Cordon



Azusa Obo



Sophie Cordon





Svalbard, Azusa Obo



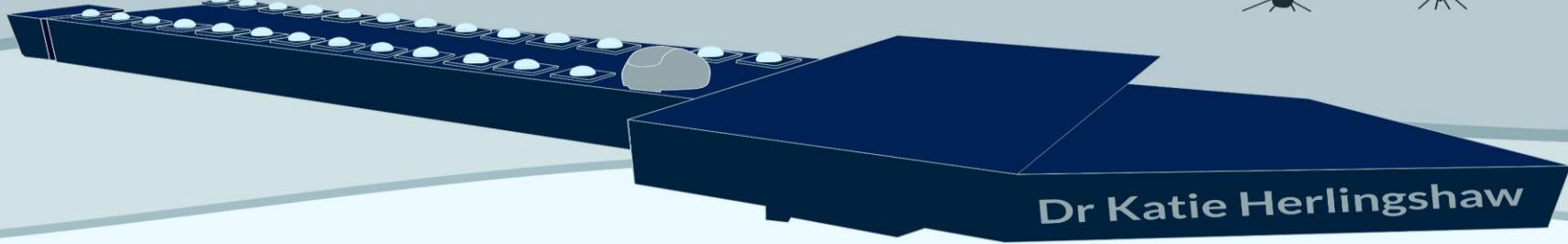
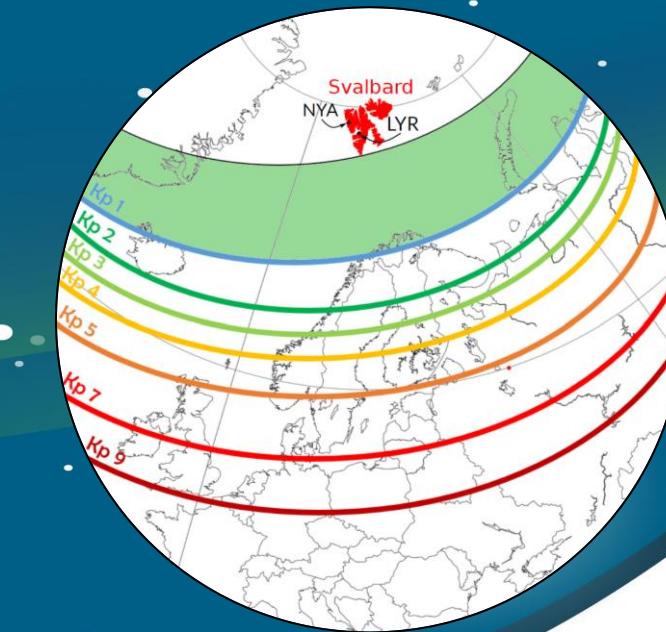
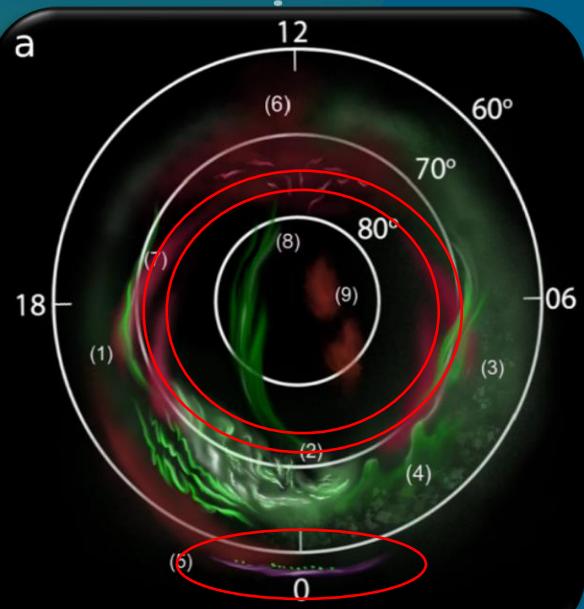
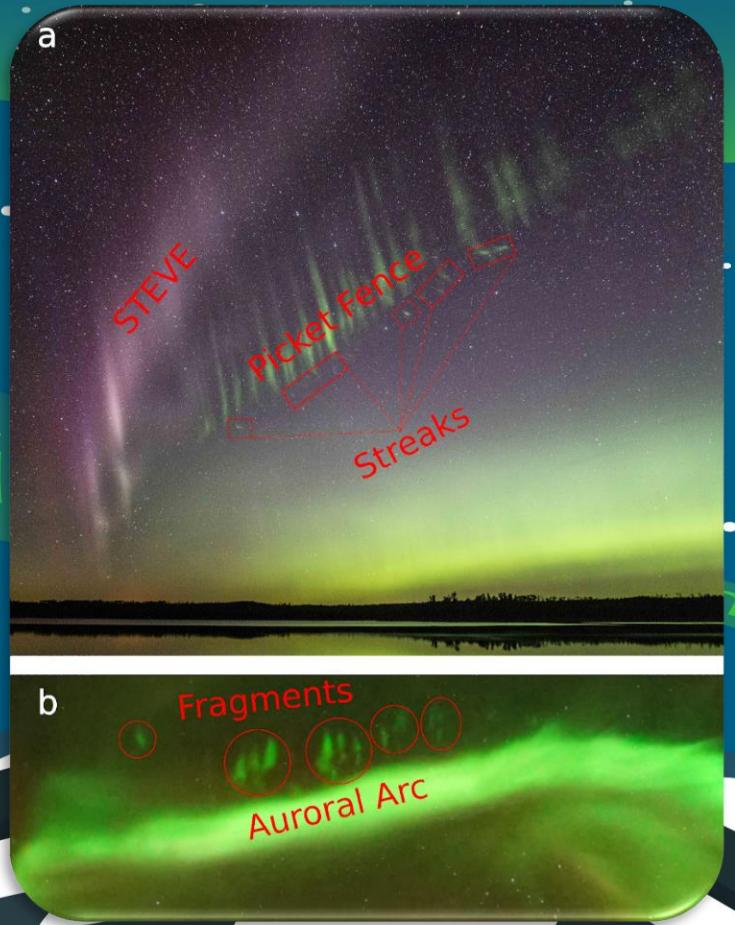
Greenland, Poul Jensen



Svalbard, Marjan Spijkers



Antarctica, Guillaume Herment



Photography Tips

- 1600-3200 ISO
- 1-5 seconds exposure (shortest possible is best because of the movement of the fragments)
- Fully open aperture (lowest f-number, e.g. 1.4 or 1.8)



Beware of lens flare and small green artifacts...

b



Ida Svenningsson





Possible fragment

Artifact created by nearby streetlight

Sophie Cordon

Found a fragment? Submit your observation!

The screenshot shows the homepage of the Skywarden Observation Service. At the top, there's a navigation bar with icons for back, forward, search, and home, followed by the URL 'taivaanvahti.fi'. The main header features the URSA Association logo and the text 'URSA ASSOCIATION STARS AND SPACE -MAGAZINE SKYWARDEN URSA WEB SHOP BECOME'. Below the header is a large banner with the word 'Skywarden' in large white letters, 'OBSERVATION SERVICE' in smaller text, and an image of a person looking through a telescope at a observatory under a starry sky.

The main menu has tabs for 'FRONT PAGE', 'OBSERVATIONS', 'SEND AN OBSERVATION', 'OBSERVATION SITES', 'FAQ', 'NEWS', 'STATISTICS', and 'TO MEDIA'. A sidebar on the left lists 'IMAGES AND STORIES', 'OBSERVATION IMAGES', 'OBSERVATION LIST', 'OBSERVATION MAP', and 'OBSERVATION SEARCH' with a dropdown menu for categories like Deep space, Solar system, Eclipses, and Fireballs.

The central content area shows a large image of a celestial event, likely a fireball or meteor, with a bright light source and rays of light. To the right of the image is a column of text describing the service and its purpose.

On the far right, there's a purple sidebar with links for 'SEND AN OBSERVATION', 'DEEP SPACE', 'SOLAR SYSTEM', and 'ECLIPSES'.



#FAE

A wide-angle photograph of a snowy landscape at night under a dark blue sky. In the upper left, the green and purple hues of the Aurora Borealis are visible. In the lower center, a light-colored polar bear is walking across a snow-covered ground. In the background, there are several large, rounded hills or mountains covered in snow. A small, isolated building with a red roof is nestled among the hills on the right side. The overall atmosphere is cold and serene.

Thanks For Listening!

