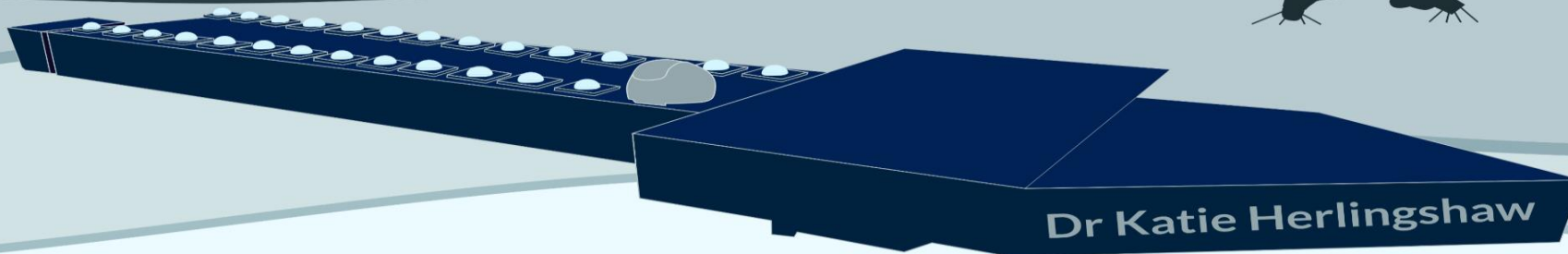


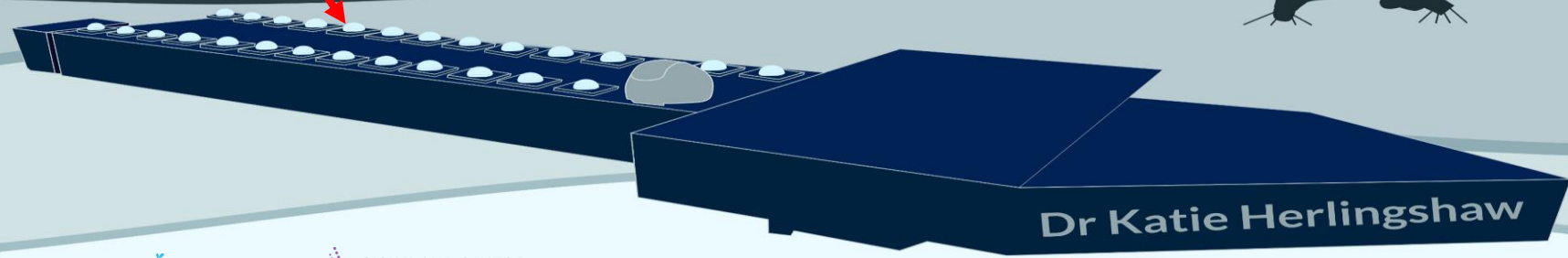
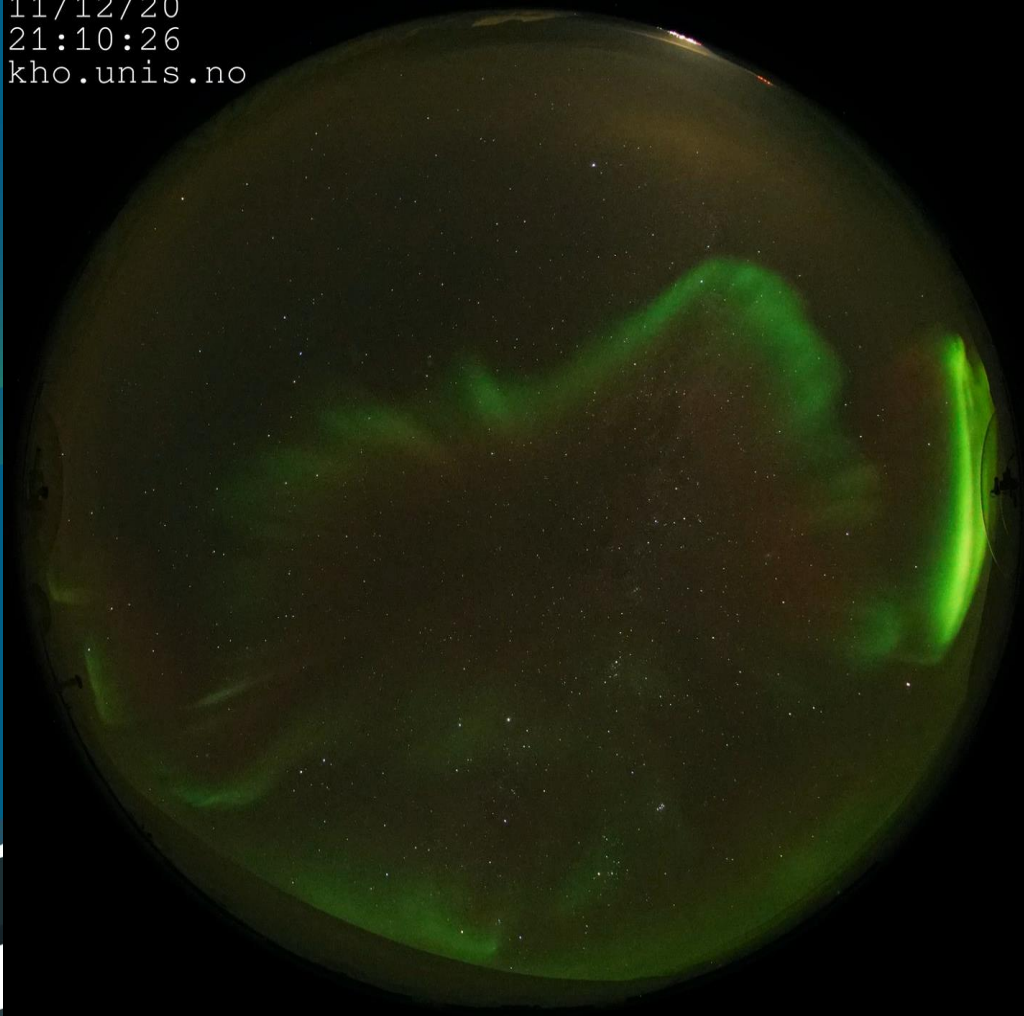
Aurora



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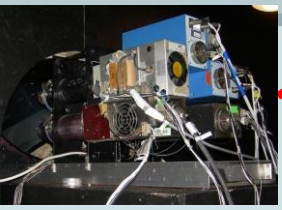
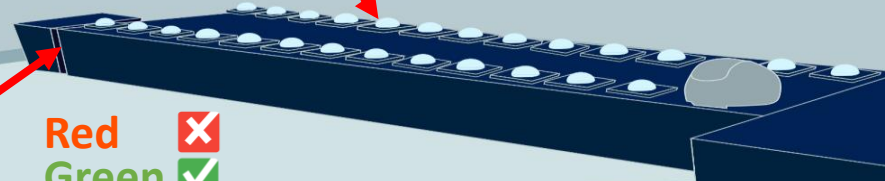
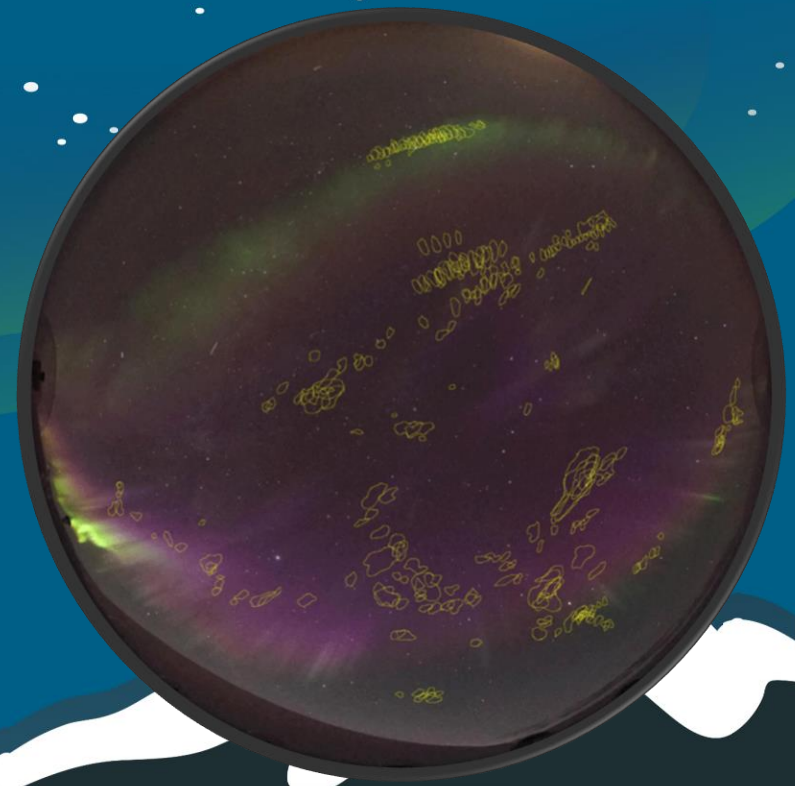
11/12/20  
21:10:26  
kho.unis.no

# Aurora-like Fragments



# Aurora-like Fragments

$t < 1 \text{ min}$   
3 km  
20 km



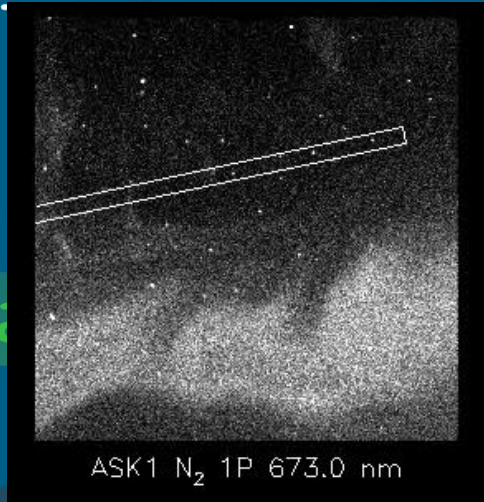
Red   
Green   
Blue



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Aurora

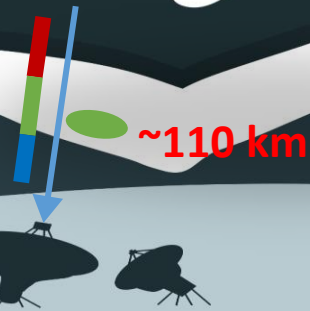
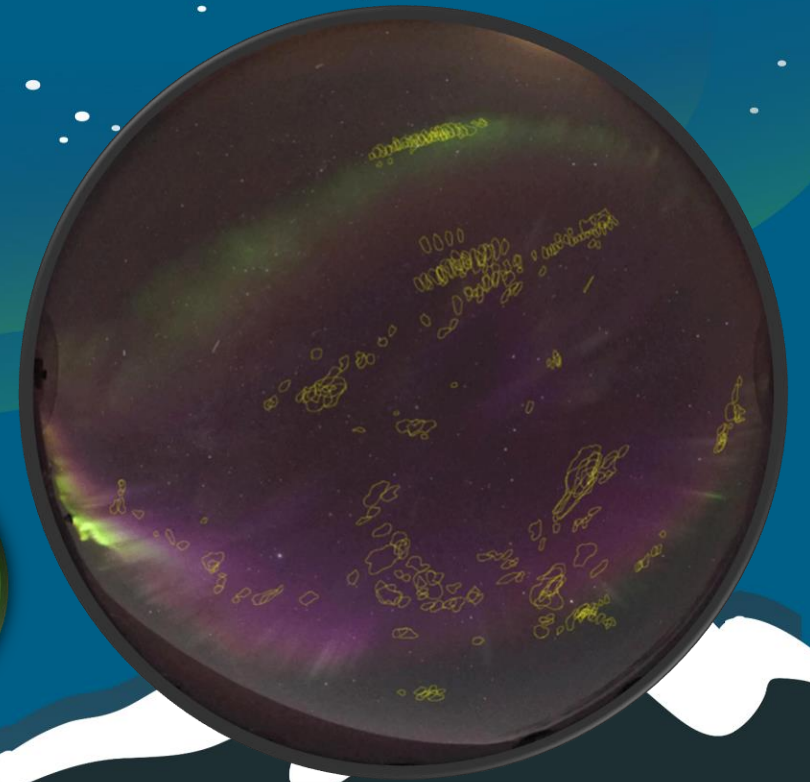


ASK1 N<sub>2</sub> 1P 673.0 nm

t < 1 min

3 km  
20 km

ments

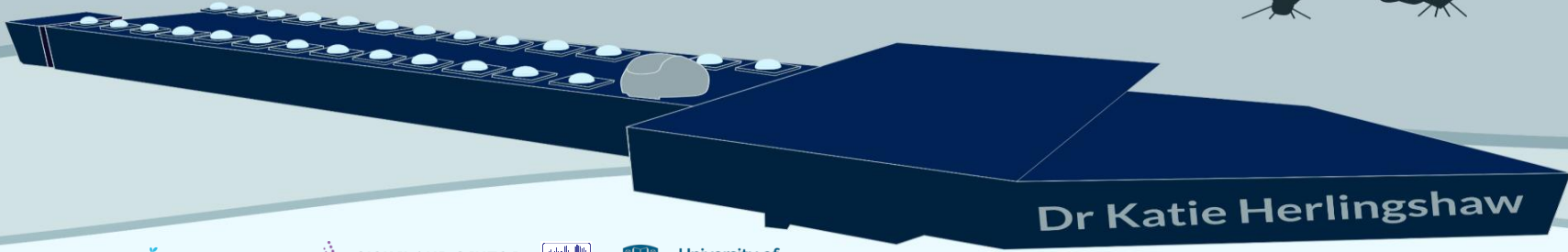


- 630.0 nm ✗
- 557.7 nm ✓
- 427.8 nm ✗

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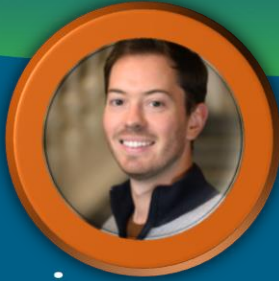
# Aurora-like Fragments



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



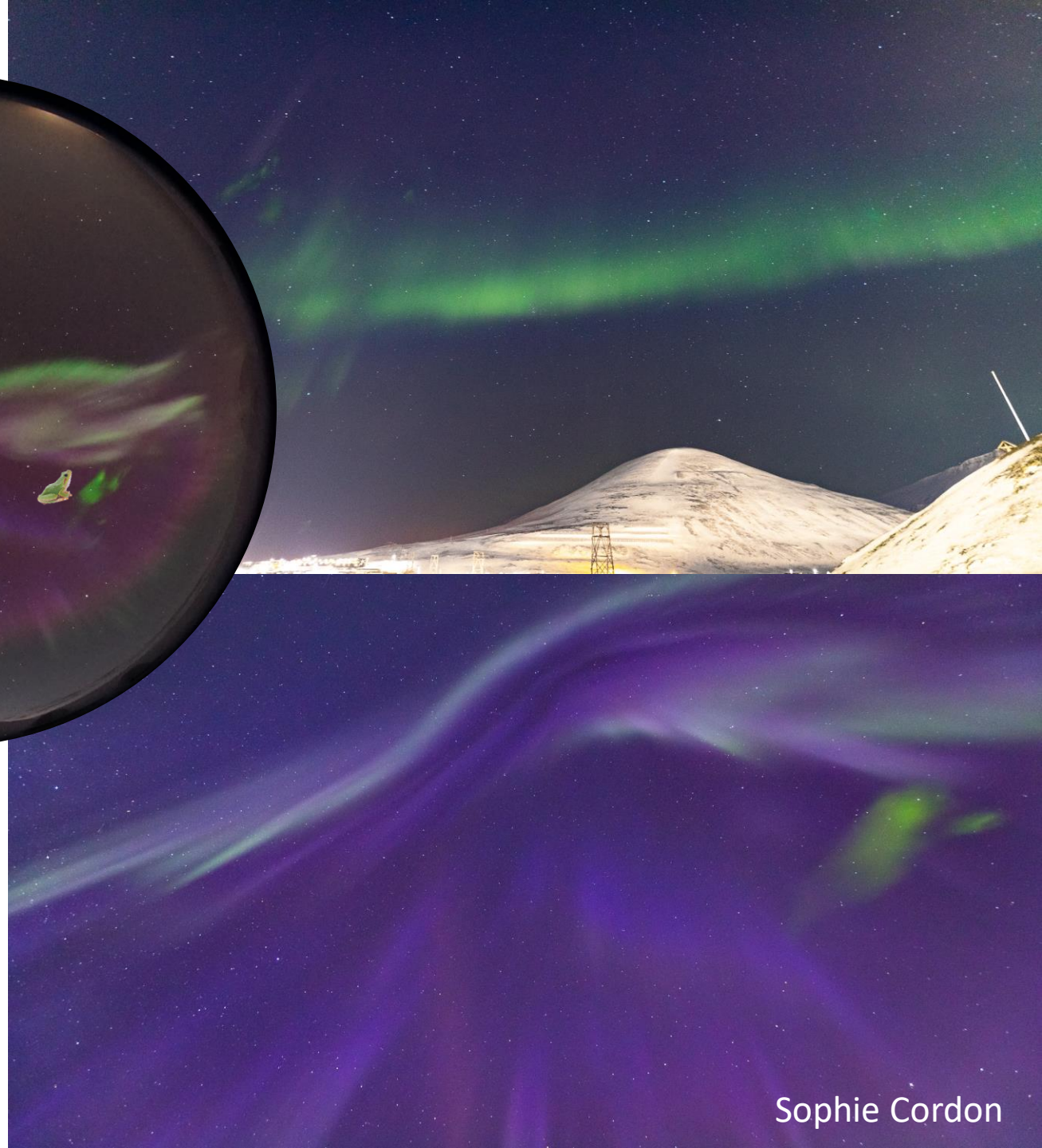
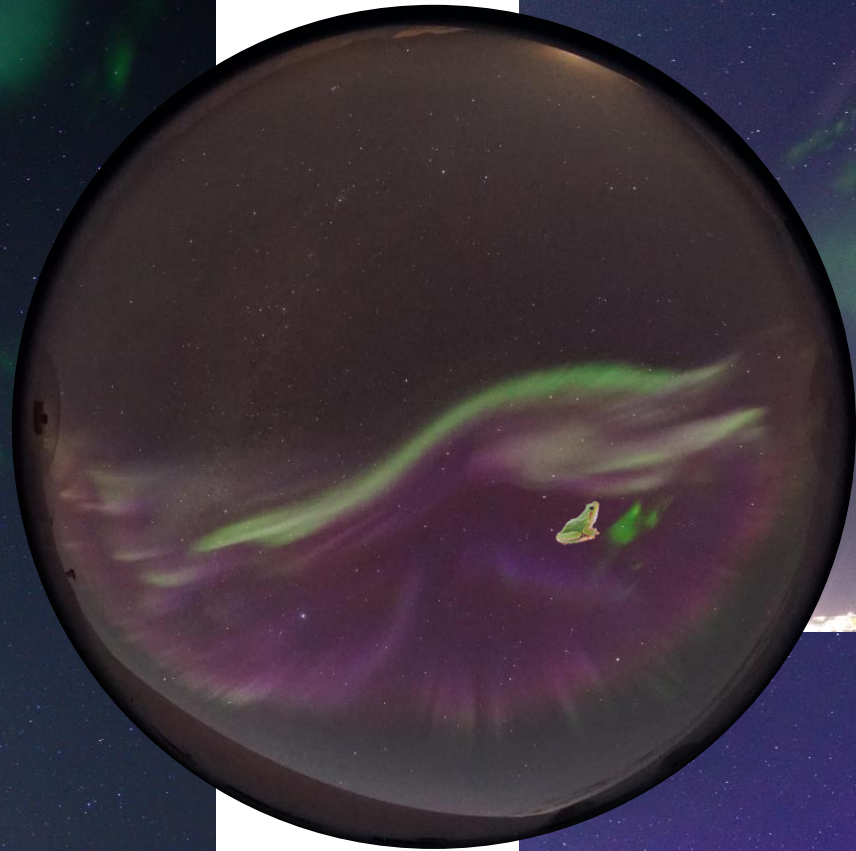


Photos: Sophie Cordon





Azusa Obo



Sophie Cordon

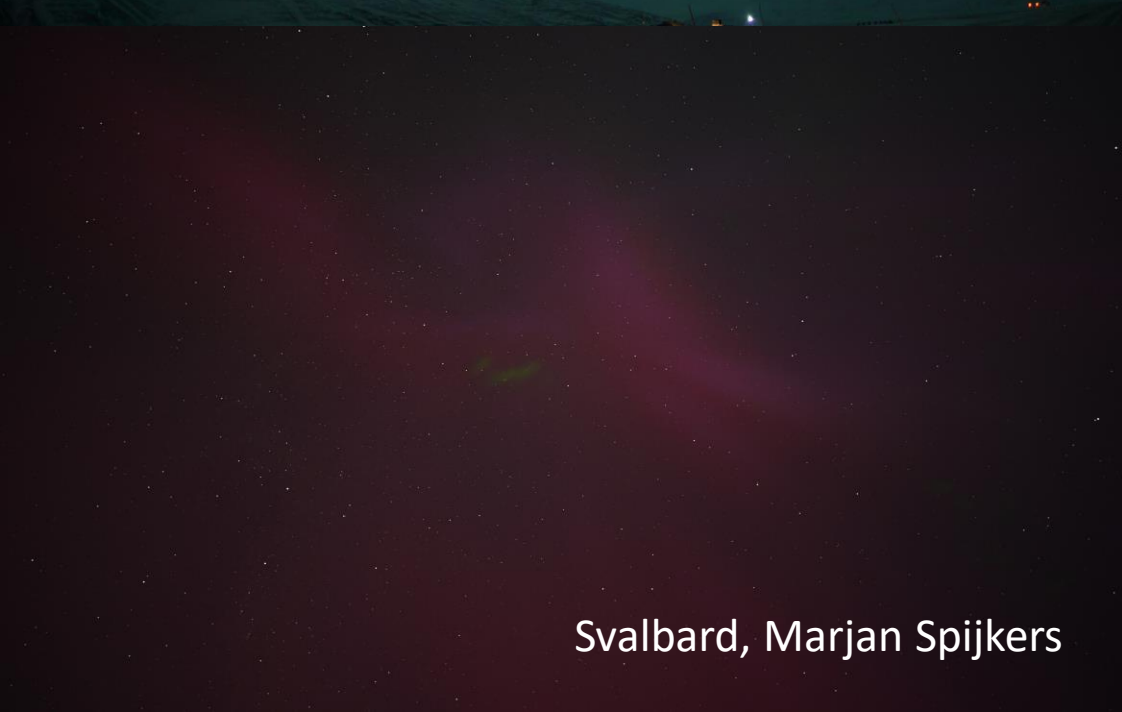




Svalbard, Azusa Obo



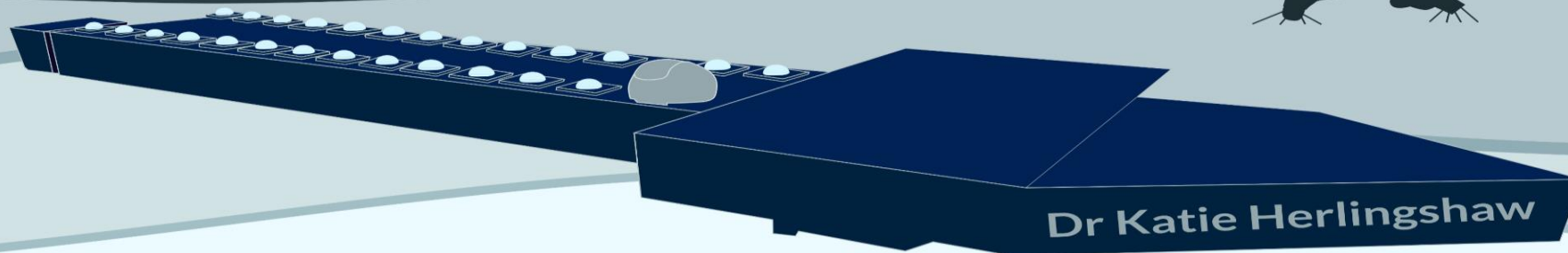
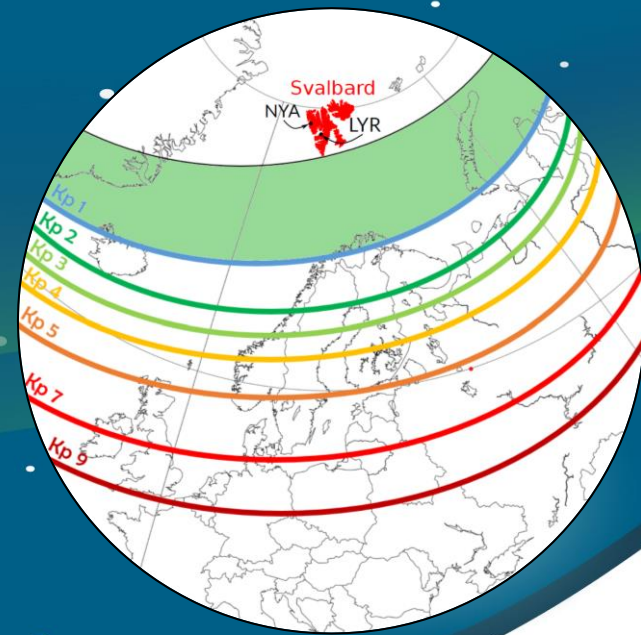
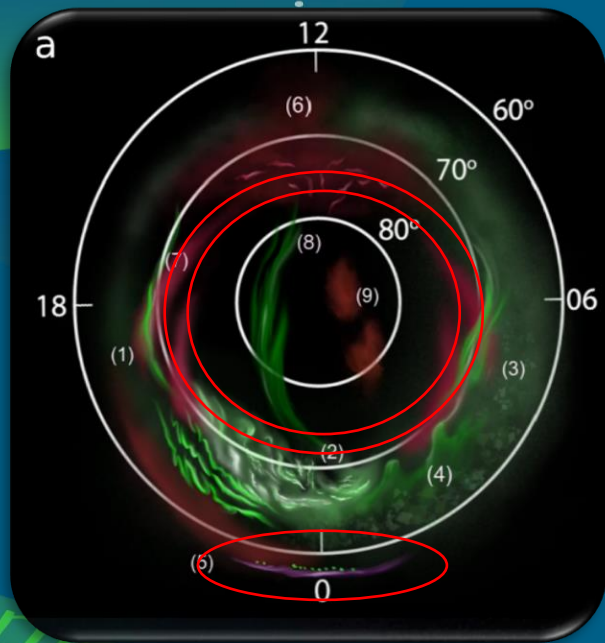
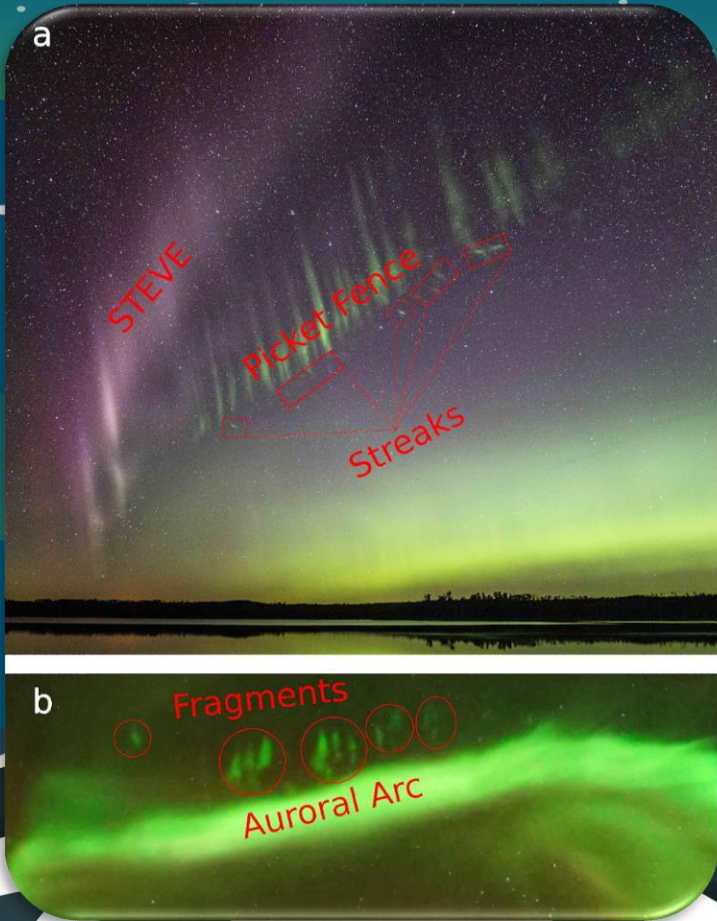
Greenland, Poul Jensen



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

# Found a fragment? Submit your observation!

The screenshot shows the website [taivaanvahti.fi](http://taivaanvahti.fi). The main navigation bar includes: URSA ASSOCIATION, STARS AND SPACE -MAGAZINE, SKYWARDEN, URSA WEB SHOP, and a 'BECOME' button. The central banner features the 'Skywarden OBSERVATION SERVICE' logo over a night sky with a telescope and an observatory. Below the banner is a secondary navigation bar with links: FRONT PAGE, OBSERVATIONS, SEND AN OBSERVATION (highlighted), OBSERVATION SITES, FAQ, NEWS, STATISTICS, and TO MEDIA. A left sidebar contains: IMAGES AND STORIES, OBSERVATION IMAGES, OBSERVATION LIST, OBSERVATION MAP, and OBSERVATION SEARCH. The 'SEND AN OBSERVATION' dropdown menu is open, listing categories: DEEP SPACE, SOLAR SYSTEM, ECLIPSES, FIREBALLS, NORTHERN LIGHTS (highlighted), RARE CLOUDS, STORMS, HALOS, and OTHER PHENOMENA. Below the menu is a large image of a bright star with the text 'is B' partially visible.



#FAE



A night landscape featuring snow-covered mountains under a starry sky with the aurora borealis. A reindeer is visible in the foreground, and a small settlement is lit up in the distance. Red arrows point to a star trail in the upper right sky.

Thanks For Listening!