

CAMPAIGN INFORMATION: **INTERNATIONAL ROCKET CAMPAIGN** **“ENDURANCE” FROM SVALBARD ROCKET RANGE**

Andøya Space will conduct an international scientific rocket campaign in collaboration with NASA, by launching one ballistic sounding rocket from SvalRak, Andøya Space’s sounding rocket launch facility in Ny-Ålesund, Svalbard, as specified below:

Endurance campaign objective

The purpose of the Endurance mission is to make the first measurement of the magnitude and structure of the electric field generated by Earth’s Ionosphere.

Project/campaign name:	Endurance
Time period:	May 9 th – 26 th , 2022.
Number of launches:	1
Daily launch window:	Any day between 0100 hrs. and 0500 hrs. UTC within the period.

Launch Vehicle: Oriole III-A

Three stage solid propellant, unguided, rail launched ballistic sounding rocket.

Nominal Launch angles: Azimuth: 238°, Elevation: 85°.

Launch Pad coordinates (DDMM.MM): 7855.89N-01151.02E

Apogee: approx. 800km

Main stage downrange impact distance: approx. 480 km

DANGER AREAS, AIR (NOTAM):

The following Danger areas for air traffic will be activated by NOTAM (ENOB FIR/BIRD CTA) or AIP SUP (BGGL FIR) before launch:

Temporary danger area “Endurance East”:

Defined as an area within ENOB FIR enclosed by the following coordinates:

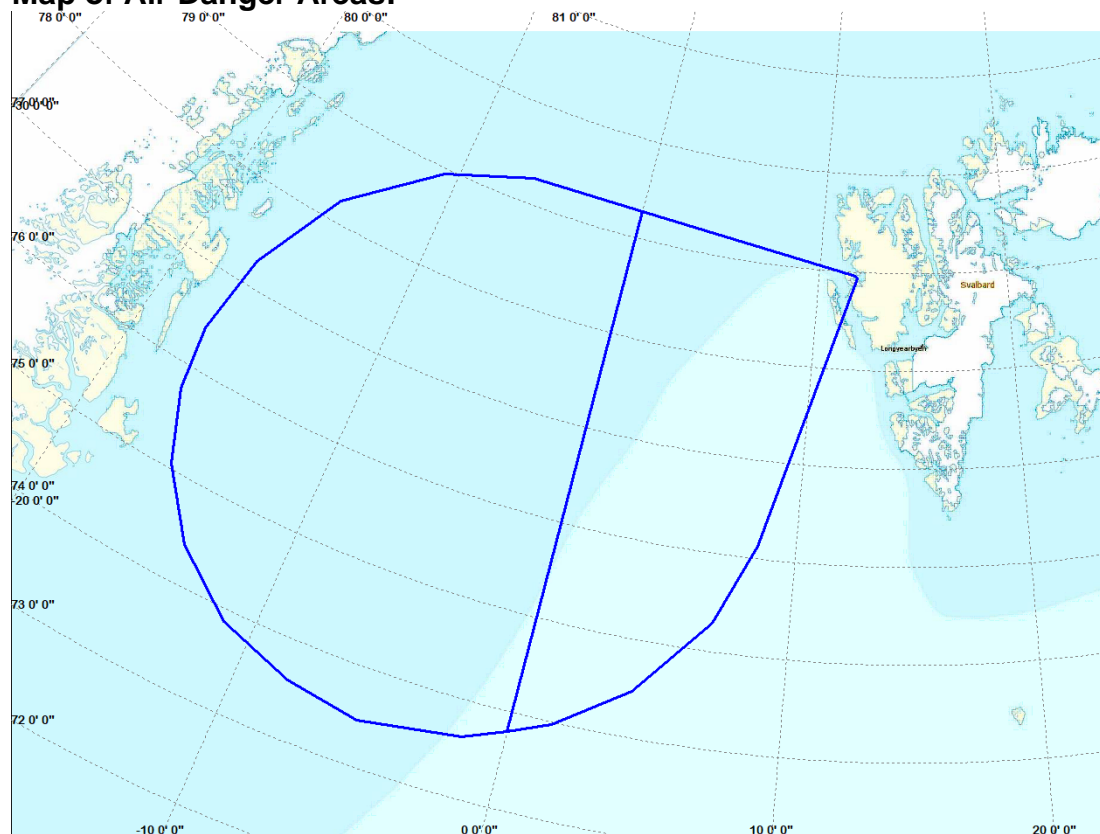
Nr.	Coordinate Lat-Lon (DDMMSS)
1	785738N – 0115613E
2	785605N – 0120109E
3	760745N – 0082256E
4	751727N – 0065342E
5	742821N – 0041319E
6	735849N – 0013051E
7	734818N – 0000000E
8	791641N – 0000000E
(1)	(785738N – 0115613E)
Vertical limits	SFC - UNL
Activity period	09. – 26.05.2022 / DLY 0030-0600 UTC

Temporary danger area “Endurance West Lower” and “Endurance West Upper”:

Defined as an area within BIRD CTA/BGGL FIR enclosed by the following coordinates:

Coordinate Point	Lat-Lon (DDMMSS)
1	791641N – 0000000W
2	734818N – 0000000W
3	733738N – 0013235W
4	732802N – 0051904W
5	733534N – 0080917W
6	735245N – 0110700W
7	742350N – 0134132W
8	750319N – 0153902W
9	754532N – 0164928W
10	762431N – 0171521W
11	771513N – 0165141W
12	781246N – 0145027W
13	785648N – 0104302W
14	791549N – 0061504W
(1)	(791641N – 0000000W)
Vertical limits	Area “Lower”: SFC – FL195 / Area “Upper” FL195 - UNL
Activity period	09. – 26.05.2022 / DLY 0030-0600 UTC

Map of Air Danger Areas:



DANGER AREAS SEA

Seagoing traffic should be aware of the hazard areas described below:

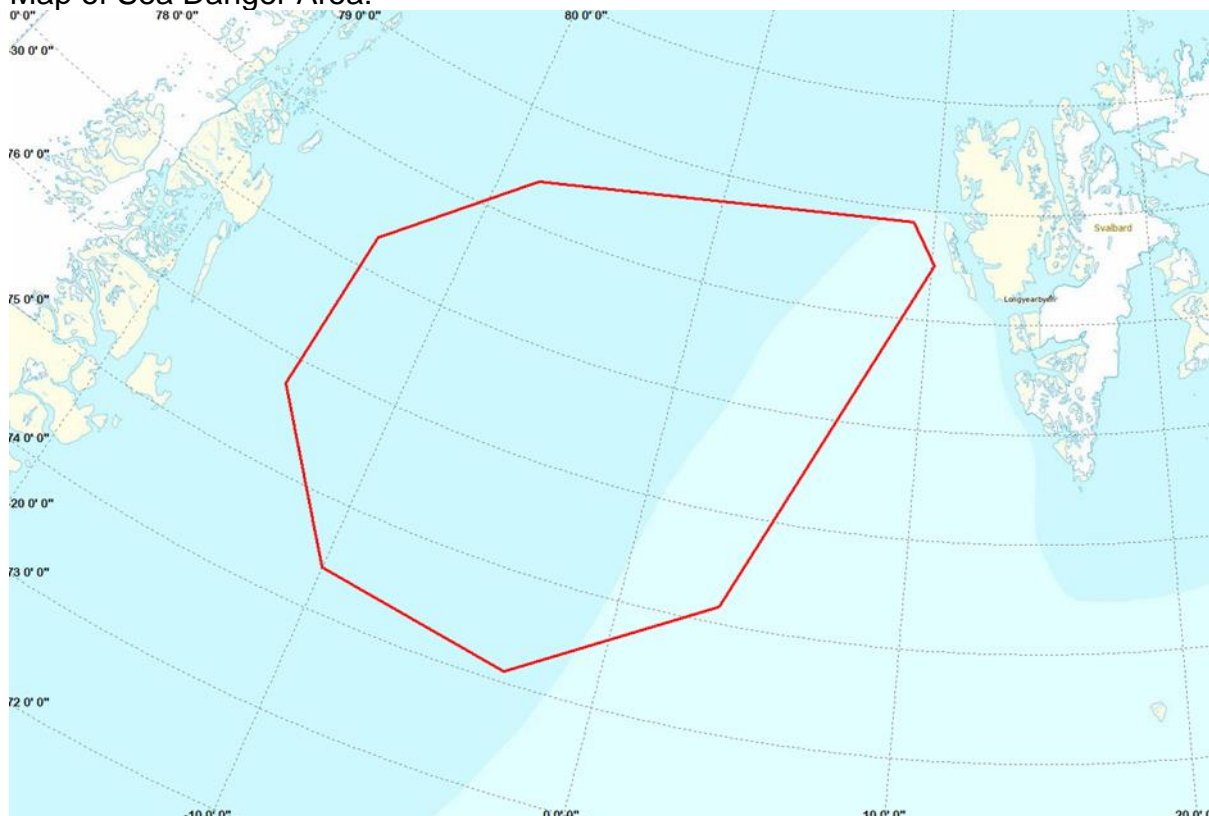
“Endurance”:

Defined as an area enclosed by the following coordinates

Positions: Lat-Lon DDMM.M

Coordinate Point	Lat-Lon (DDMM.M)
1	7852.8N – 00900.0E
2	7830.0N – 01009.0E
3	7509.0N – 00330.0E
4	7406.0N – 00306.0W
5	7424.0N – 01000.0W
6	7545.0N – 01400.0W
7	7718.0N – 01321.0W
8	7823.4N – 00816.8W
(1)	(7852.8N – 00900.0E)
Activity period	09. – 26.05.2022 / Daily between 0030 – 0600 UTC

Map of Sea Danger Area:

**DANGER AREA LAND**

There will be established danger areas on land around the launcher building and west/southwest of Ny-Ålesund, where restrictions for the presence of people apply. Detailed information on these areas will be broadcasted to the local community prior to the launch activities by Andøya Space AS/Kings Bay AS.

Additional information about the campaign and/or danger areas will be provided upon request.

Point of contact:

Anssi Lisko

Safety Manager

Telephone: +47 76 14 44 29

Mobile: +47 97 58 49 17

E-mail: anssi.lisko@andoyaspace.no

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