

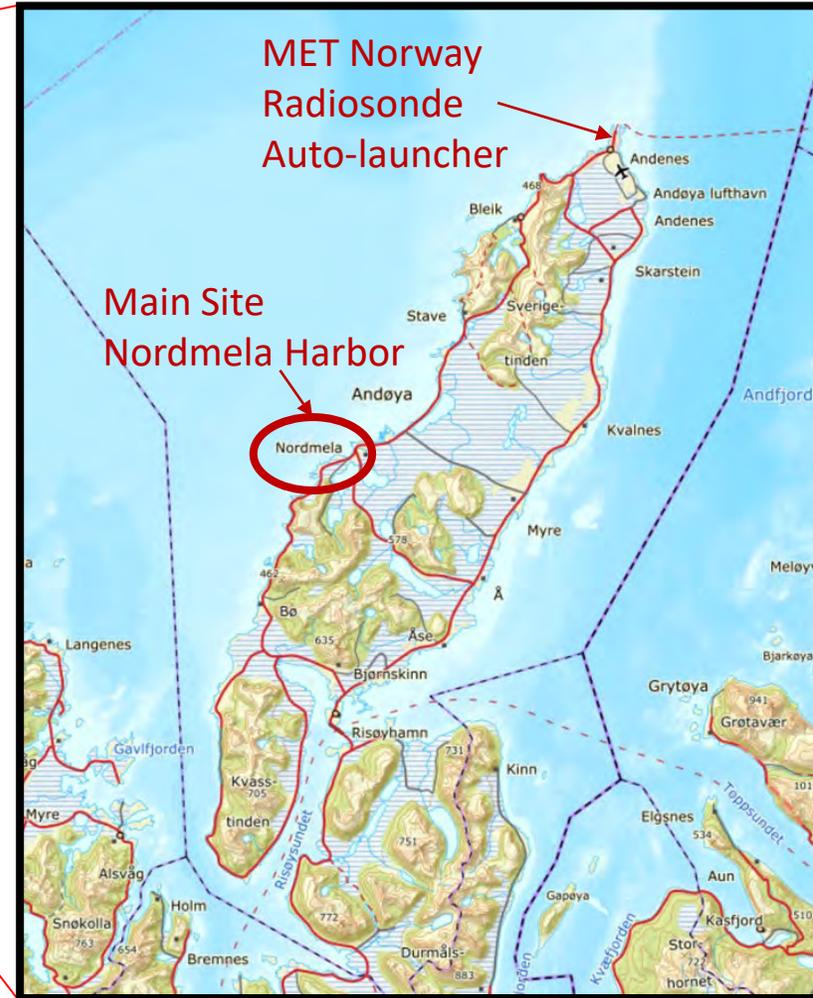
COMBLE

Campaign Summary

1 January – 31 May 2020

Nathan Wales – Site Operations Manager

Nordmela – Main Site

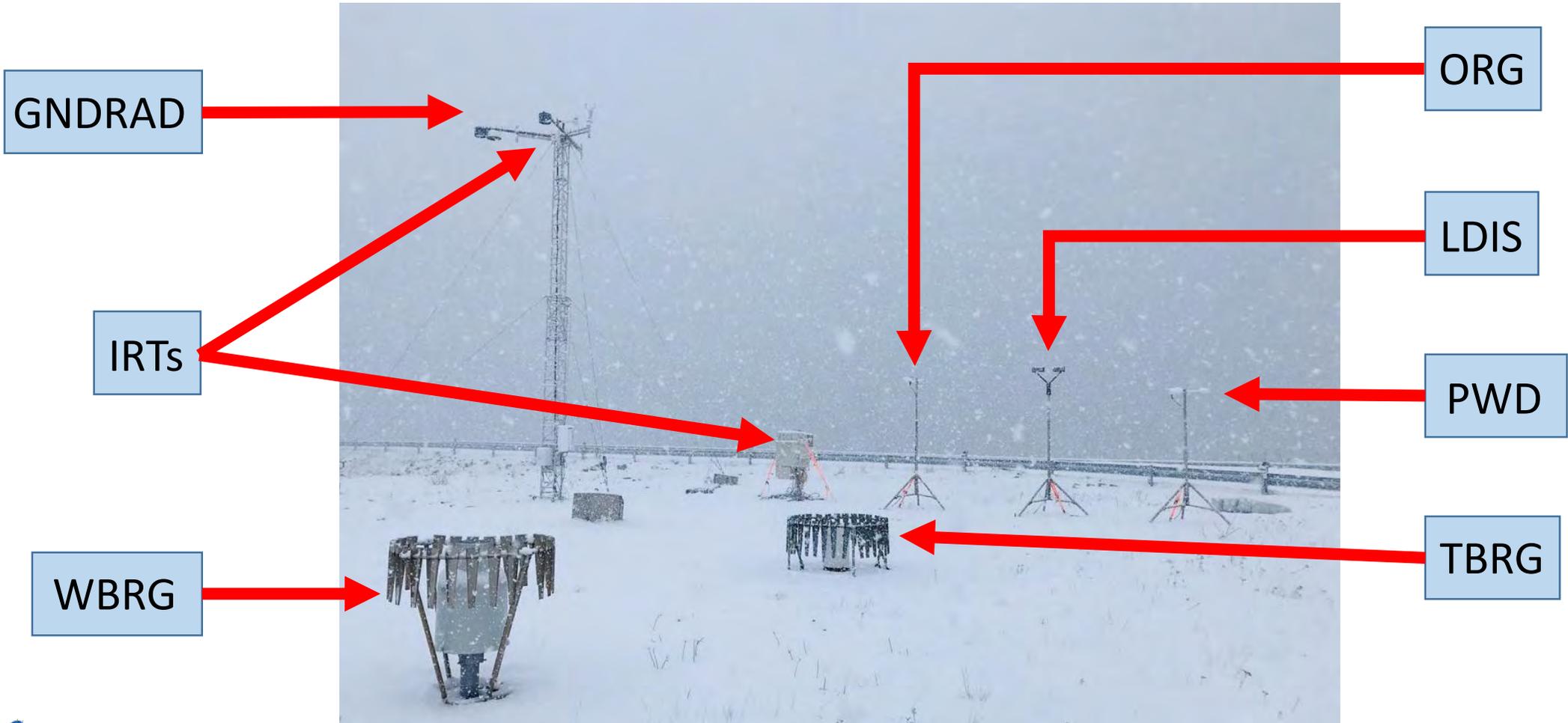






Norwegian
Meteorological
Institute

Main Site - Instruments



Main Site - Instruments

KAZR

SACR



AOS

RWP

Main Site - Instruments

SKYRAD

2NFOV

MFRSR



MWR-3C

MWR-2C

CEIL

MPL

AERI

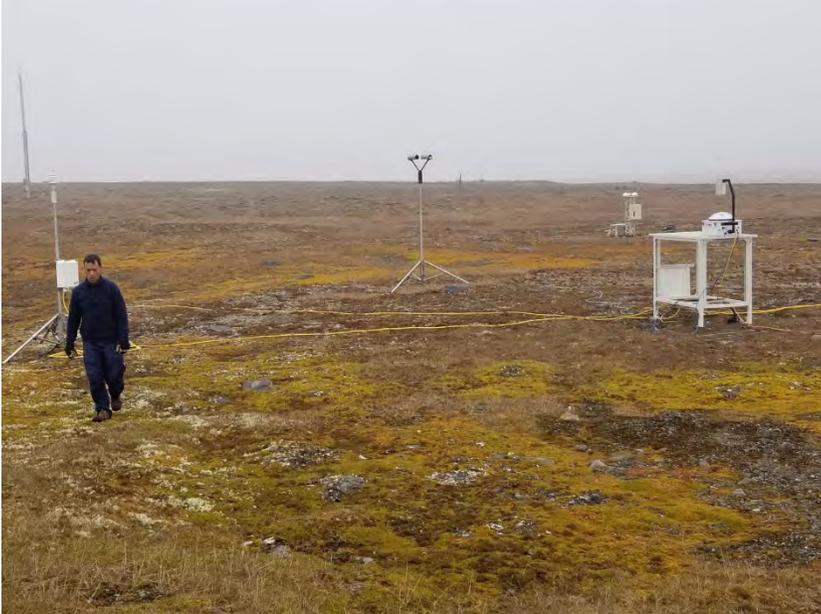
Main Site - Challenges

- **MPL – to MOSAiC, but kept MPL on Bjørnøya**
- **HTDMA – down for much of campaign**
- **ACSM - down for much of campaign**
- **RWP – down for several weeks**
- **COVID-19 - were able to maintain robust operations**

Bjørnøya



Bjørnøya - Instruments



- DL
- CEIL
- MPL
- MWR-2C
- LDIS
- TSI
- ECOPE/SEBS
- AWS
- BBSS

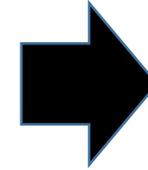
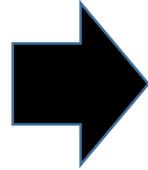
Bjørnøya - Issues



MWR-2C ↑

← MPL

Bjørnøya - Instruments



Balloon Launches & CAOs



- A lot of extra launches from Bjørnøya
- Bjørnøya had 93 CAOs, ranging in duration from 2 to 117 hours.
- M1 (Nordmela, Andoya), had exactly 100 CAOs, ranging in duration from 2 to 58 hours.

Data

The screenshot displays the ARM Data Search interface. At the top, there is a navigation bar with links for HOME, DATA SEARCH, SUPPORT, ACCOUNT (Login), and CART. A green banner in the top left corner indicates 'Beta Version 01.18'. The main search area includes a search bar with the placeholder text 'Enter a category, measurement, datastream, site, source or keyword to begin your search.' Below the search bar, it shows 'Search Results - Showing 1-20 of 30 data products' and a selected filter: 'Site: Andenes, Norway, Cold-air Outbreaks in Marine BL Exp (COMBLE)'. There are options to 'Collapse Selections' and 'Clear All'. The results are categorized into 'Data Products (30)', 'Primary Measurements (63)', 'Recommended Data (30)', and 'All Data (90)'. The results are sorted by 'Relevance' and displayed in a table with columns for 'Data Product', 'Description', and 'View Details & Get Data'. The table lists several data products:

Data Product	Description	View Details & Get Data
Interpolatedsonde	Interpolated Sonde	▼
ceil10m	Ceillometer (Valsala CL31) 10 meter resolution backscatter data	▼
ceil	Ceillometer (CEIL): cloud-base heights	▼
gndirt	Infrared Thermometer: Ground surface temperature	▼
met	Surface Meteorological Instrumentation	▼

- 47 Terabytes, 119 data streams
- ~75 DQRs across 23 instruments
- Extra month of data – started December 1st