**HALO-(AC)3 flight day #XX – HALO research flight #YY – 2022/03/dd**

**Objectives:**

One sentence on the major objectives

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

|  |  |
| --- | --- |
| **HALO Crew** | |
| **Mission PI** | Xxxxx xxxxx |
| **HAMP** | Xxxxx xxxxx |
| **WALES** | Xxxxx xxxxx |
| **SMART/VELOX** | Xxxxx xxxxx |
| **specMACS** | Xxxxx xxxxx |
| **Dropsondes** | Xxxxx xxxxx |
| **Optional** | Xxxxx xxxxx |
| **Pilots** | Xxxxx xxxxx |
| **Engineer** | Xxxxx\_xxxxx |

**Mission PI HALO:**

**Xxxxxx Xxxxxx**

|  |  |
| --- | --- |
| **HALO** | |
| **Take off** | **xx:xx UTC** |
| **Touch down** | **xx:xx UTC** |

**Flight times:**

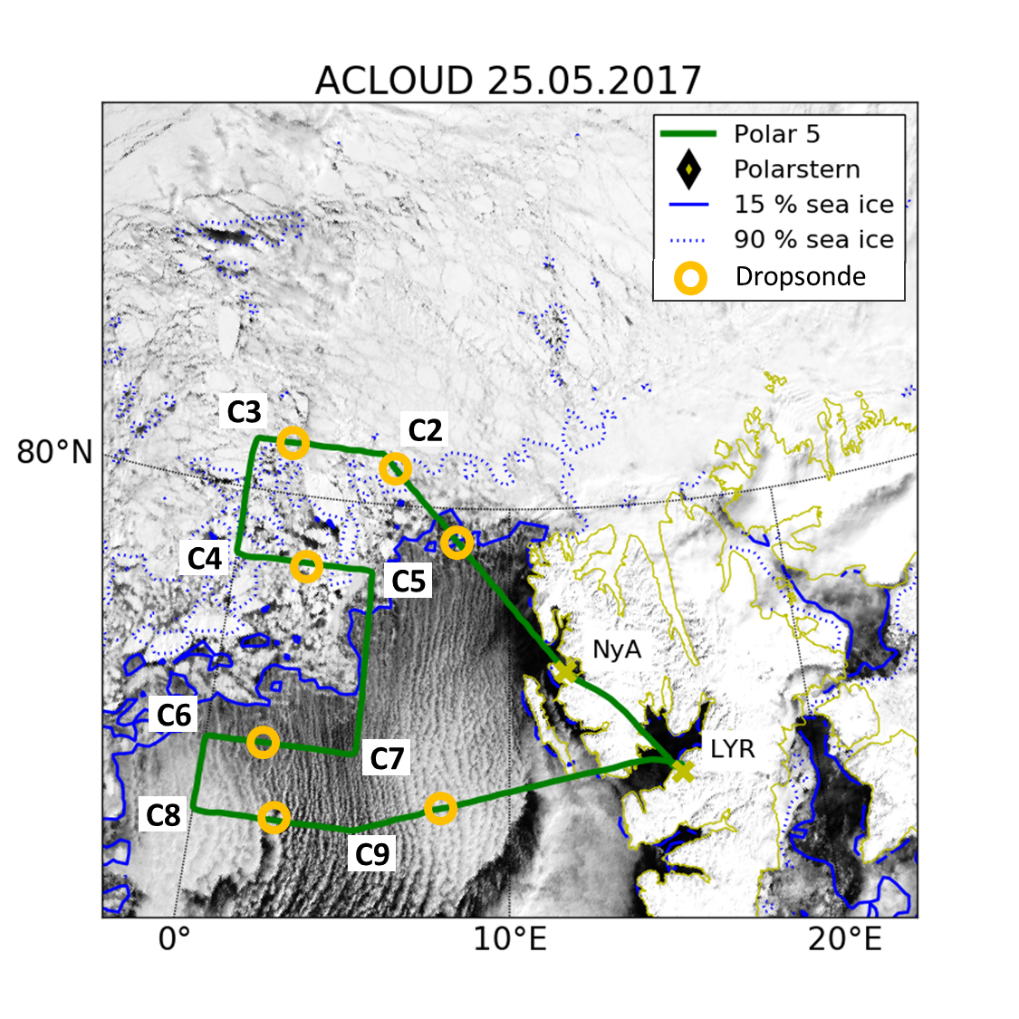
****

Fig. 1: MODIS RGB composite satellite image and sea ice fraction observed by the Advanced Microwave Scanning Radiometer (AMSR2) by the University of Bremen (Spreen et al., 2008).

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Weather situation as observed during the flight (compare to forecast):**

….. how was the forecast…. And how the situation was observed during the flight

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Overview:**

… general remarks on the strategy of the flight

… how things and flight pattern worked out

… major notes: What special or remarkable situations/surprises appeared during the flight. Problems

… flight pattern

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Instrument Status:**

|  |  |
| --- | --- |
| **HALO** | |
| BAHAMAS |  |
| BACARDI |  |
| HAMP Radar |  |
| HAMP Radiometer |  |
| WALES |  |
| SMART |  |
| VELOX |  |
| specMACS |  |
| Dropsondes |  |

Table 1: Instrument status as reported after the flight for all instruments on HALO.

Comments: for instruments that are not green, what did not work...

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Detailed Flight Logs:**

… fill with flight log notes. Best always give a time

🡪 maneuvers

🡪 cloud conditions in particular areas/legs

🡪 sea ice conditions in particular areas/legs

🡪 precipitation

🡪 etc…

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Quicklooks:**