



# Flight Plan for: 20 March 2021

**POLAR 5**

Take Off: 10:00 UTC  
Duration: 4:57 Hours

Pilots: James Seward  
Noah Hladiak

## Crew:

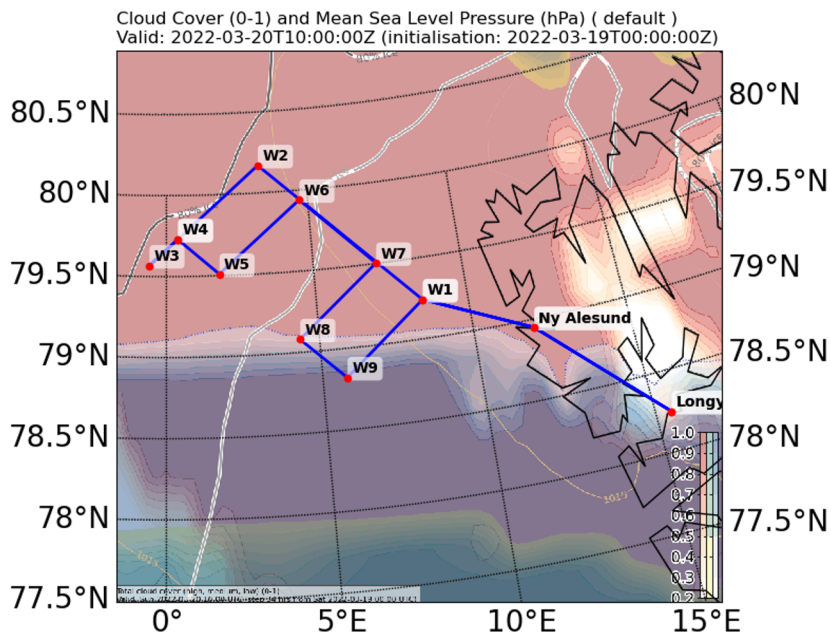
Mission PI Mario Mech	
AWI	Maximilian Stöhr
AWI	Cristina Sans i Col
Eagle/Hawk	Evi Jäkel
MiRAC	Imke Schirmacher
Dropsondes	Sabrina Schnitt

## Waypoints

:

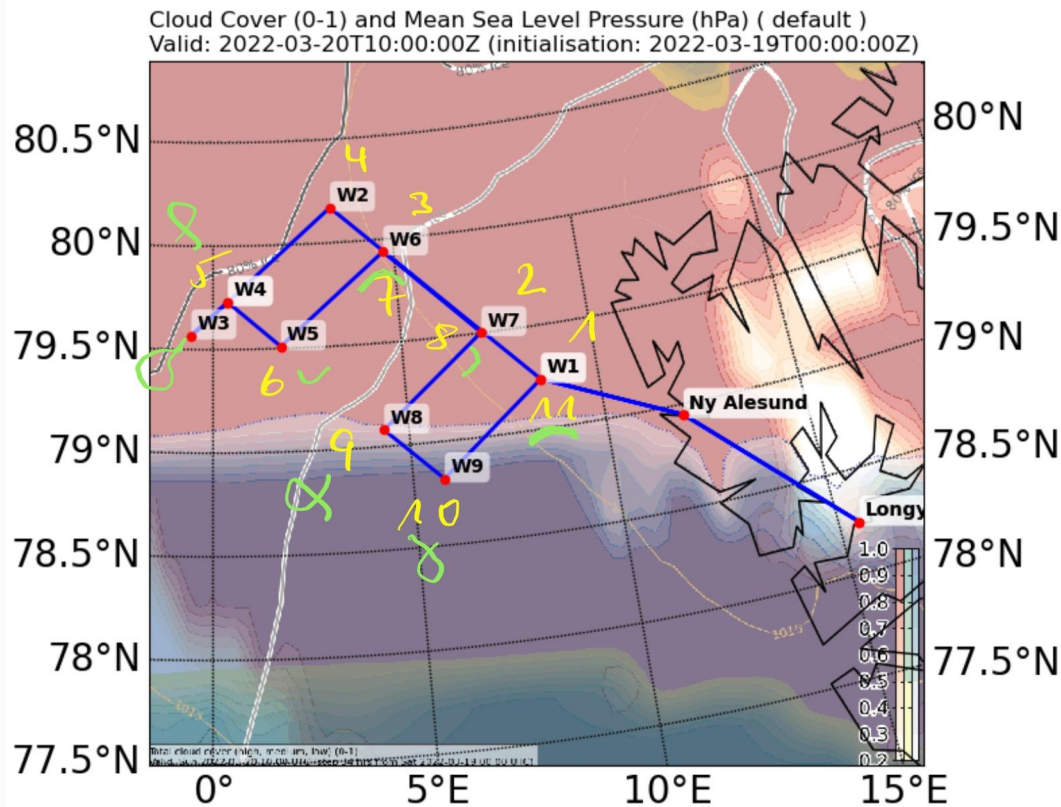
#	Lat	Lon	Lat_dm	Lon_dm	Location
1	78.95	11.93	78° 57.000'	N 11° 55.800' E	Ny
	<b>Alesund</b>				
2	79.24	8.51	79° 14.460'	N 8° 30.480' E	W1
3	80.17	3.31	80° 10.200'	N 3° 18.420' E	W2
5	79.57	-0.59	79° 34.020'	N 0° 35.160' E	W3
6	79.73	0.40	79° 43.740'	N 0° 23.760' E	W4
7	79.51	1.80	79° 30.660'	N 1° 47.760' E	W5
8	79.94	4.71	79° 56.400'	N 4° 42.300' E	W6
9	79.50	7.13	79° 30.180'	N 7° 7.560' E	W7
10	79.08	4.36	79° 4.860'	N 4° 21.660' E	W8
11	78.82	5.77	78° 49.260'	N 5° 46.260' E	W9
12	78.95	11.93	78° 57.000'	N 11° 55.800' E	Ny

## Overview Map





## Detailed Map:



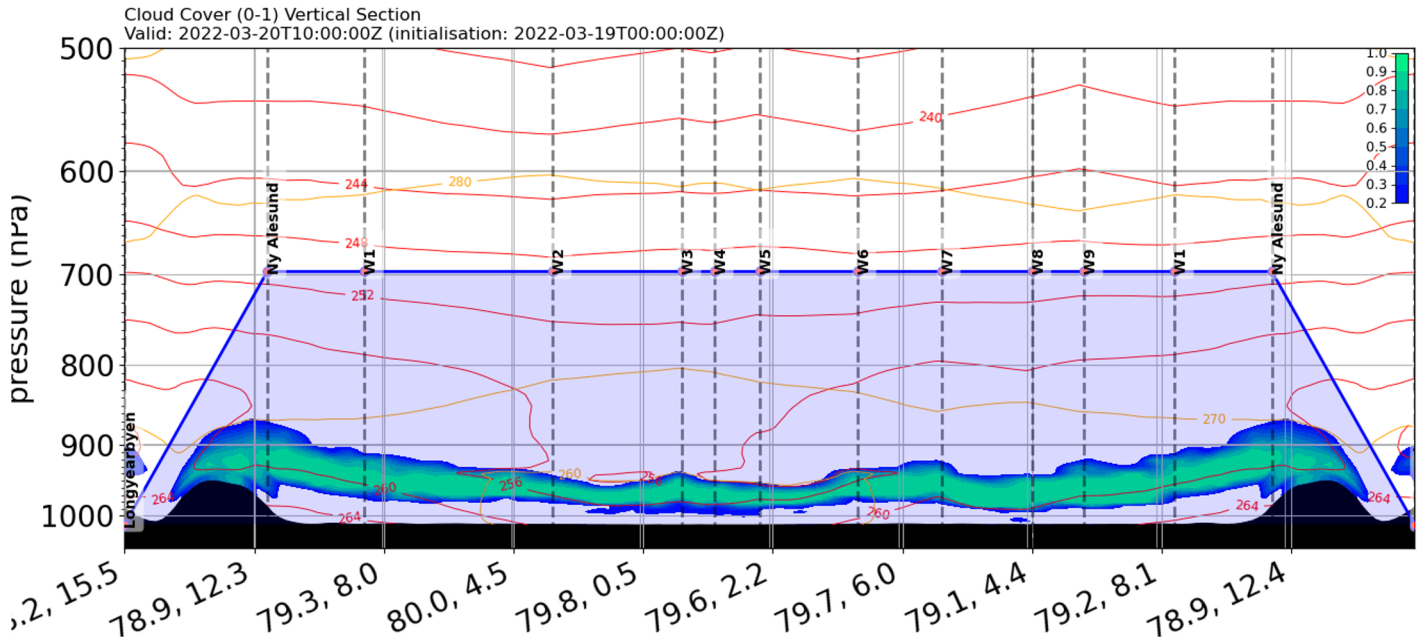
## Flight Plan (including drop sondes):

<b>LYR – NYA ascend to FL 100: 59 NM @cruising speed</b>	<b>30 min</b>
<b>NYA – W1 at FL 100: 42 NM @cruising speed</b>	<b>16 min</b>
<b>W1 – W2 at FL 100: 79 NM @120kn</b>	<b>40 min</b>
<b>W2 – W3 at FL 100: 55 NM @120kn</b>	<b>28 min</b>
<b>(+5 min)</b>	
<b>W3 – W4 at FL 100: 14 NM @120kn</b>	<b>7 min</b>
<b>(+5 min)</b>	
<b>W4 – W5 at FL 100: 20 NM @120kn</b>	<b>10 min</b>
<b>W5 – W6 at FL 100: 40 NM @120kn</b>	<b>20 min</b>
<b>W6 – W7 at FL 100: 37 NM @120kn</b>	<b>19 min</b>
<b>W7 – W8 at FL 100: 40 NM @120kn</b>	<b>20 min</b>
<b>(+5 min)</b>	
<b>W8 – W9 at FL 100: 22 NM @120kn</b>	<b>11 min</b>
<b>(+5 min)</b>	
<b>W9 – W1 at FL 100: 40 NM @120kn</b>	<b>20 min</b>
<b>W1 – NYA at FL 100: 42 NM @ cruising speed</b>	<b>16 min</b>
<b>NYA – LYR descending: 59 NM @ cruising speed</b>	<b>40 min</b>

## Total:



## Additional Maps:



Horizontal Wind (m/s) and Geopotential Height (m) ( default ) at 700.0 (hPa)  
Valid: 2022-03-20T10:00:00Z (initialisation: 2022-03-19T00:00:00Z)

