

# MOSAIC-ACA Flight 2020 09 02

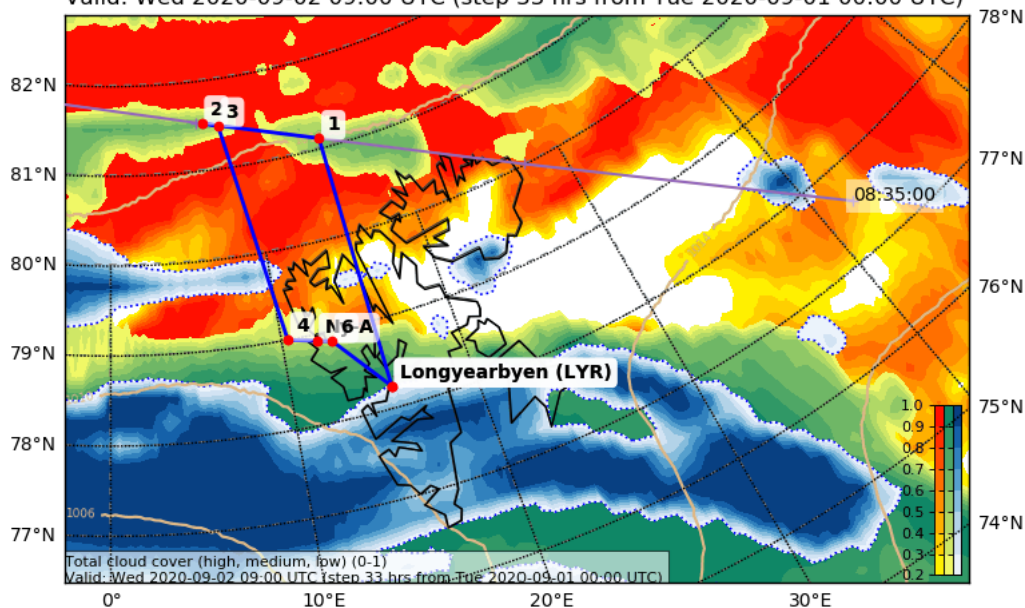
**POLAR 5**

Crew:	Mission PI	Mario Mech	
	AWI	Clemens Collin	Est. Take Off: 09:00 LT
	AWI	Martin Gehrman	
	Eagle/Hawk	Michael Schäfer	Est. Duration: 4.5 Hours
	MiRAC	Friedhelm Jansen	
	PMS	Valerian Hahn	

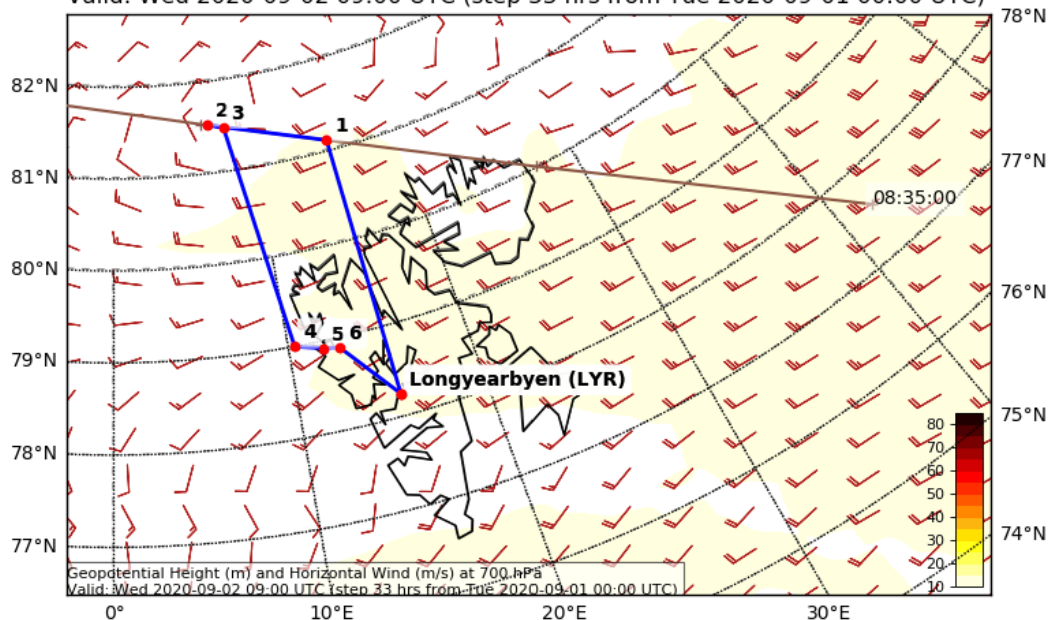
LYR	78° 14,7'	15° 28,9'	
W1	81° 7,0'	15° 11,8'	8:21 UTC
W2	81° 31,7'	6° 54,5'	
W3	81° 29,0'	8° 5,0'	
W4	79° 0,0'	10° 21,6'	
W5	78° 55,4'	11° 55,4'	
W6	78° 53,4'	12° 51,6'	
LYR	78° 14,7'	15° 28,9'	

## 5 dropsondes

Cloud Cover (0-1) (Total Cloud Cover)  
Valid: Wed 2020-09-02 09:00 UTC (step 33 hrs from Tue 2020-09-01 00:00 UTC)



Geopotential Height (m) and Horizontal Wind (m/s) (Wind Speed 10-85 m/s) at 700.0 (Pa)  
 Valid: Wed 2020-09-02 09:00 UTC (step 33 hrs from Tue 2020-09-01 00:00 UTC)



EPSG:77790000

### Flight Plan

<b>LYR – W1 ascend 10,000 ft: 180 NM @180kn</b>	<b>60 min</b>
<b>W1 – W2 at 10,000 ft: 80 NM @140kn</b>	<b>34 min</b>
<b>W2 – W3 descend 200 ft with 1,000 ft/min</b>	<b>15 min</b>
<b>W3 – W2 different levels : 10 NM @120kn</b>	<b>30 min</b>
<b>W2 –W4 ascend 10,000 ft: 150 NM @180kn</b>	<b>50 min</b>
<b>W4 – NYA – W6 at 10,000 ft: 30 NM @140kn</b>	<b>15 min</b>
<b>W6 – LYR 10,000 ft: 50 NM @180kn</b>	<b>20 min</b>

**Total: ca 4 hr 00 min**