

# MOSAIC-ACA Flight 2020 09 05

**POLAR 5**

## Crew:

### **Mission PI**

AWI

AWI

Eagle/Hawk

MiRAC

PMS

**André Ehrlich**

Clemens Gollin

Martin Germann

Michael Schäfer

Mario Mech

Manuel Moser

**Est. Take Off:** 10:00 LT

**Est. Duration:** 3 h 30 min

## Coordinates:

LYR	78° 14,7'	15° 28,9'
W1	78° 00,0'	5° 00,0'
W2	78° 00,0'	3° 00,0'
W3	77° 40,0'	3° 00,0'
W4	77° 40,0'	5° 00,0'
W5	77° 20,0'	5° 00,0'
W6	77° 20,0'	3° 00,0'
W7	77° 00,0'	3° 00,0'
W8	77° 00,0'	4° 00,0'
W9	77° 30,0'	4° 00,0'
W10	78° 00,0'	4° 00,0'

## 4 dropsondes

W1—W2

W3—W4

W5—W6

W7—W8

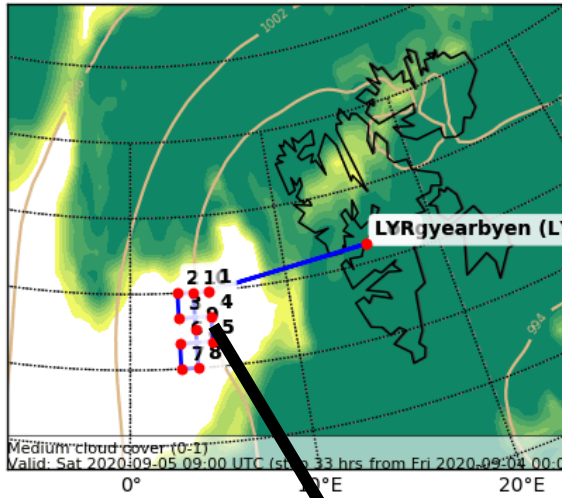
## Flight Plan

<b>LYR – W1</b> ascent to FL100	<b>130 NM @ 160kn</b>	<b>50 min</b>
<b>W1 – W2</b> at FL100	<b>25 NM @ 140kn</b>	<b>12 min</b>
<b>W2 – W3</b> at FL100	<b>20 NM @ 140kn</b>	<b>10 min</b>
<b>W3 – W4</b> at FL100	<b>25 NM @ 140kn</b>	<b>12 min</b>
<b>W4 – W5</b> at FL100	<b>20 NM @ 140kn</b>	<b>10 min</b>
<b>W5 – W6</b> at FL100	<b>25 NM @ 140kn</b>	<b>12 min</b>
<b>W6 – W7</b> at FL100	<b>20 NM @ 140kn</b>	<b>10 min</b>
<b>W7 – W8</b> at FL100	<b>13 NM @ 140kn</b>	<b>6 min</b>
<b>W8 – W9</b> <u>Descent</u> to 200 ft, 1500 ft/min	<b>30 NM @ 140kn</b>	<b>15 min</b>
<b>W9 – W10</b> <u>Ascent</u> to FL100, 1500 ft/min	<b>30 NM @ 140kn</b>	<b>15 min</b>
<b>W10 – W1 – LYR</b> Go home	<b>142 NM @ 160kn</b>	<b>55 min</b>

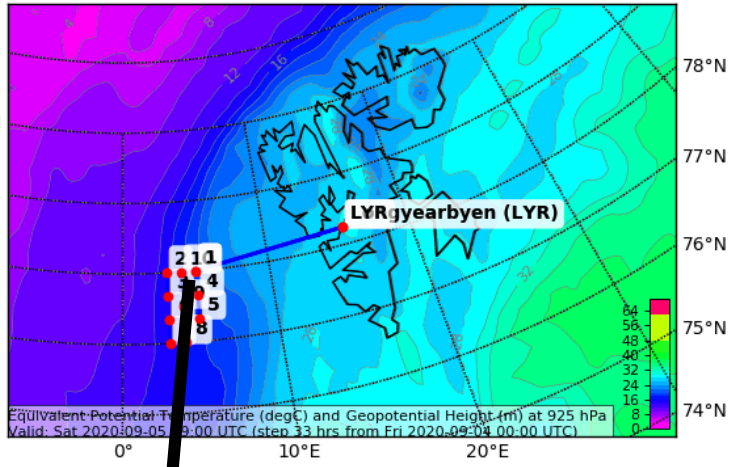
**Total:**

**3 hours 30 min**

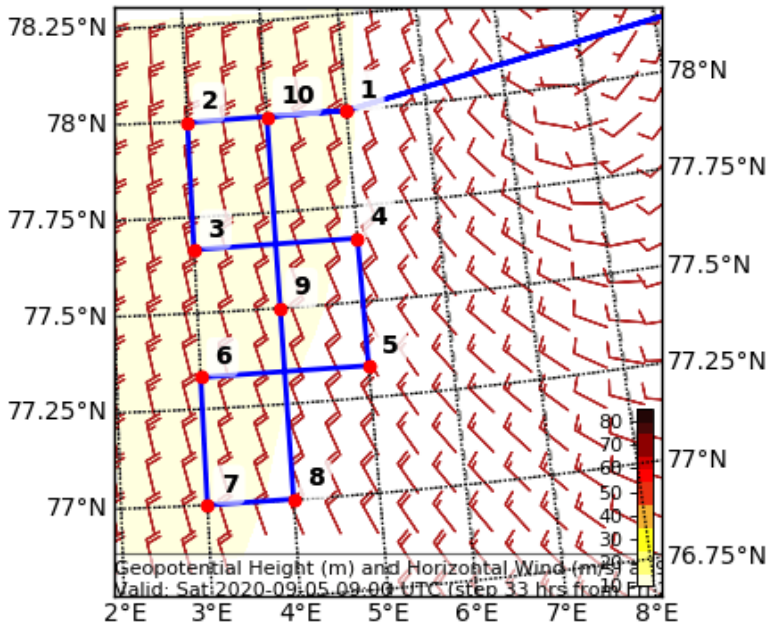
Cloud Cover (0-1) (Medium Cloud Cover)  
Valid: Sat 2020-09-05 09:00 UTC (step 33 hrs fr



Equivalent Potential Temperature (degC) and Geopotential Height  
Valid: Sat 2020-09-05 09:00 UTC (step 33 hrs from Fri 2020-09-04



Geopotential Height (m) and Horizontal Wind  
Valid: Sat 2020-09-05 09:00 UTC (step 33 hr



Cloud Cover (0-1) Vertical Section  
Valid: Sat 2020-09-05 09:00 UTC (step 33 hrs from Fri 2020-09-04 00:00 UTC)

