

# ACLOUD Flight 2017 06 18

**POLAR 6**

## Crew:

Mission PI	Dmitry Chechin
AWI	Cristina Sans Coll
ALABAMA	Franzisca Kollner
CVI	Stephan Mertes
Tracegas	Oliver Eppers
PMS	Guillaume Mioche

Est. Take Off: 14:05 LT

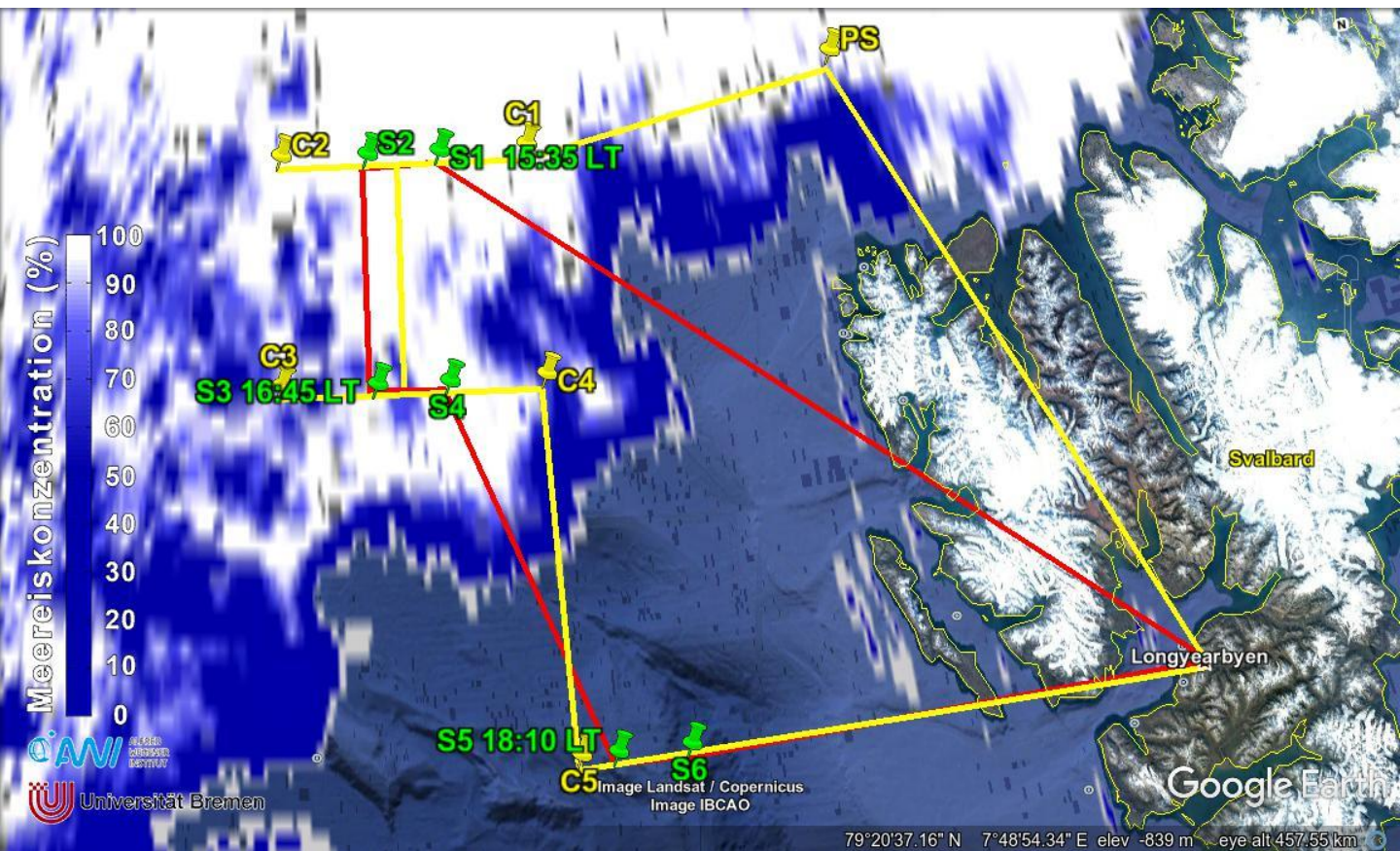
Est. Duration: 6h 05 min

## Waypoints:

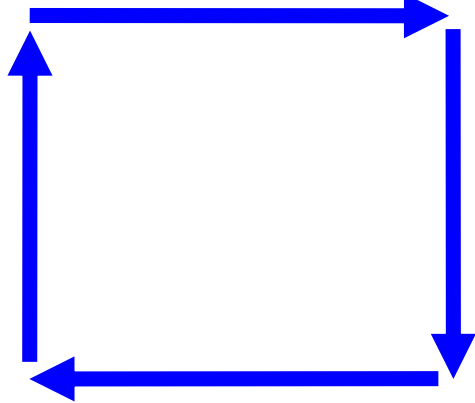
<b>S1</b> (15:35 LT)	80° 20' N, 3° 14' E	80.333N	3.233E
<b>S2:</b>	80° 20' N, 1° 46' E	80.333N	1.766E
<b>S3</b> (16:45 LT)	79° 33' N, 1° 49' E	79.550N	1.816E
<b>S4:</b>	79° 33' N, 3° 11' E	79.550N	3.183E
<b>S5</b> (18:10 LT)	78° 15' N, 5° 37' E	78.250N	5.616E
<b>S6:</b>	78° 15' N, 6° 51' E	78.250N	6.850E

<u>LYR—S1</u>	<u>Aerosol?</u>	<b>192 NM @ 160 kn</b>	<b>72+20 min</b>
<u>S1—S2</u>	Racetrack 5x15NM	<b>@ 120-140 kn 60 min</b>	
<u>S2 - S3</u>	above clouds	<b>50 NM @ 160 kn</b>	<b>20 min</b>
<u>S3—S4</u>	Racetrack 5x15NM	<b>@ 120-140 kn 60 min</b>	
<u>S4—S5</u>	saw tooth	<b>84 NM @ 160 kn</b>	<b>35 min</b>
<u>S5—S6</u>	Racetrack 5x15NM	<b>@ 120 - 140 kn</b>	<b>60 min</b>
<u>S6—LYR</u>		<b>110 NM @ 160 kn</b>	<b>40 min</b>

Total: 345 min = 6h 05 min



Radiation calibration  
(~12 000 f)



Racetrack: 5 x 15 NM

