

# ACLOUD Flight 2017 06 12

**POLAR 5**  
**Remote**

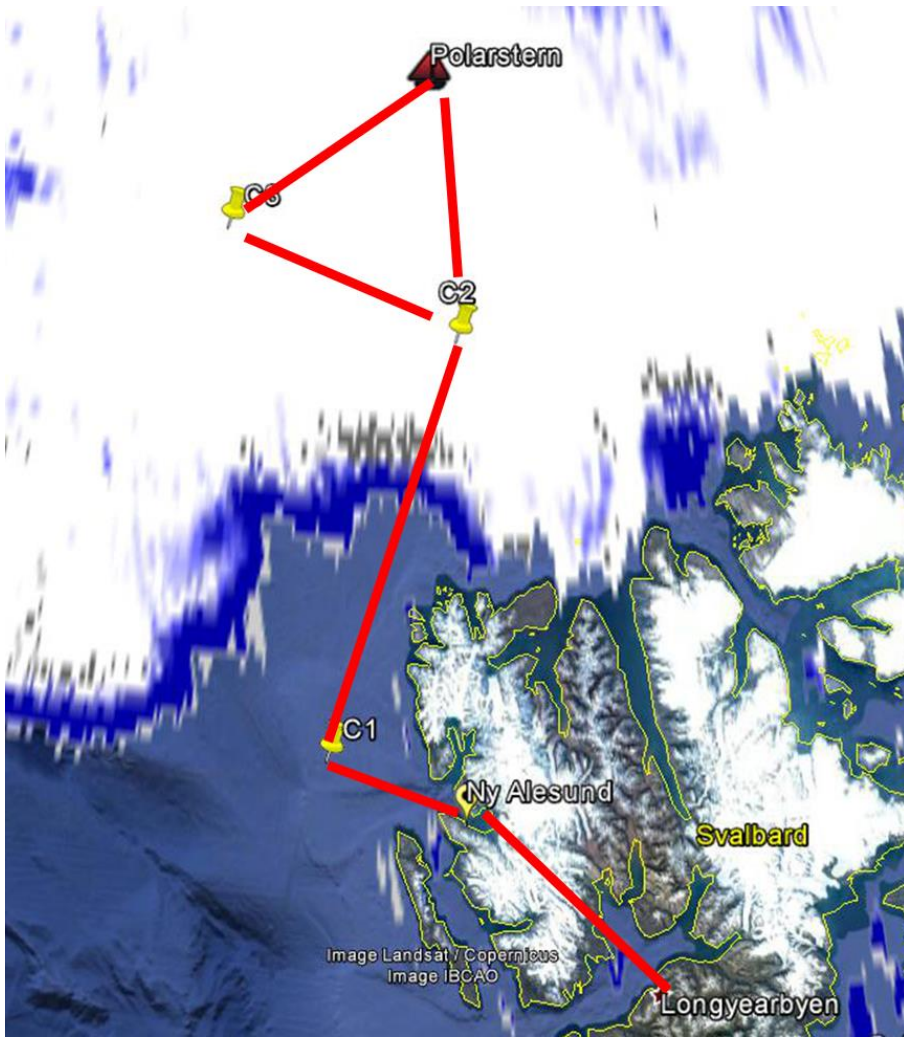
Crew:	Mission PI	André Ehrlich	
	AWI	Lukas Kandora	Est. Take Off: 9:00 LT
	SMART	Tobias Donth	
	Eagle/Hawk	Elena Ruiz	Est. Duration: 5h 50 min
	MiRAC	Mario Mech	
	AMALI	Marek Jacob	

Waypoints: **NyA:** 78° 55.40' N, 11° 55.40' E  
**C1:** 79° 10.000' N, 9° 00.000' E  
**C2:** 80° 49.200' N, 11° 45.000' E  
**C3:** 81° 14.000' N, 5° 43.000' E  
**PS:** 81° 48.000' N, 11° 06.000' E

## Flight Plan

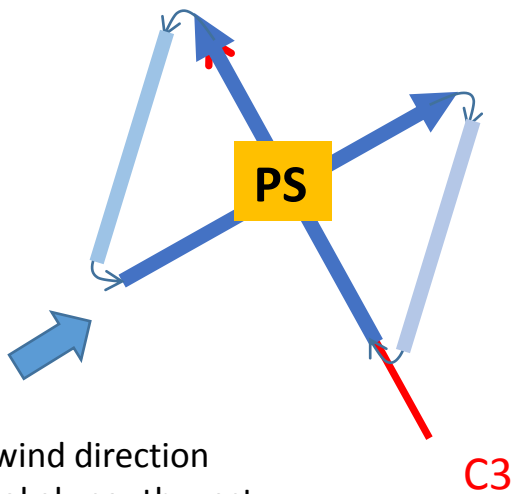
LYR—NyA along the glacier 1000 ft above ground	<b>60 NM @140kn</b>	<b>30 min</b>
NyA – C1 pass NyA at 10000 ft:	<b>40 NM @140kn</b>	<b>15 min</b>
C1 – C2 at 10000 ft: <b>collocated with P6</b>	<b>105 NM @140kn</b>	<b>45 min</b>
C2 – C3 at 10000 ft: <b>start from C2 at 10:33 LT</b> <b>collocated with P6</b>	<b>60 NM @140kn</b>	<b>25 min</b>
C3 – PS at 10000 ft: <b>collocated with P6</b>	<b>60 NM @140kn</b>	<b>25 min</b>
<u>PS position</u> One double-triangle pattern, 10,000 ft, 15 miles leg length, 120 kn In coordination with P6	<b>60 NM @ 140 kn</b>	<b>25 min</b>
<b>Descend 10 NM West to 200 ft</b>	<b>40 NM @ free speed</b>	<b>20 min</b>
<b>Race track: 5 legs 10 min different altitudes</b> <b>200ft – 10 000 ft</b>	<b>60 NM@120 kn</b>	<b>60 min</b>
PS – C2 – C1 at 10000 ft: <b>Cross at NyA</b>	<b>160 NM @140kn</b>	<b>70 min</b>
<b>NyA-LYR</b>	<b>60 NM @140kn</b>	<b>30 min</b>

Total: **5h 50 min**

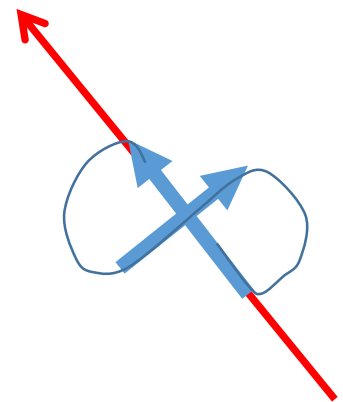


### B. Double triangle-pattern

15 mile straight leg, parallel and perpendicular to the wind



### A. Loop-pattern at 10,000 ft 5 min straight leg





# Cloud Cover (0-1) (Total Cloud Cover)

Valid: Mon 2017-06-12 12:00 UTC (step 36 hrs from Sun 2017-06-11 00:00 UTC)

