

ACLOUD Flight 2017 06 13

POLAR 6
In Situ

Crew:	Mission PI	Manfred Wendisch	
	AWI	Cristina Sans i Coll	Est. Take Off: 9:00 LT
	Aerosol 1	Udo Kästner	
	Aerosol 2	Franziska Köllner	Est. Duration: 4h 10 min
	Trace Gas	Oliver Eppers	
	PMS 1	Delphine Leroy	

Waypoints: **C1**: 78° 00.000' N, 9° 30.000' E

LYR — C1 climb to 10,000 ft **80 NM @160kn** **30 min**
in close collocated with P5

Square Pattern 4 times
2 min legs, first leg in wind direction **50 min**
100 kn – 120 kn - 145 kn – 100 kn

Mapping pattern 30-10-30-10-30-10-30 NM **150 NM @140kn** **70 min**
C2: 77° 30.000' N, 9° 30.000' E
C3: 77° 30.000' N, 10° 15.000' E
C4: 78° 00.000' N, 10° 15.000' E
C5: 78° 00.000' N, 11° 00.000' E
C6: 77° 30.000' N, 11° 00.000' E
C7: 77° 30.000' N, 11° 45.000' E
C8: 78° 00.000' N, 11° 45.000' E

C8 — LYR **80 NM @160kn** **30 min**

Total: **3h 00 min + 70 min**

