

POLAR 5

Crew:	Mission PI	Christof Lüpkes	Est. Take Off: 14:30 LT
	AWI	Lukas Kandora	
	SMART	Johannes Stapf	Est. Duration: 5 hr 52 min
	Eagle/Hawk	Tobias Donth	
	MiRAC	Tobias Doktorowski	
	AMALi	Ana Radovan	

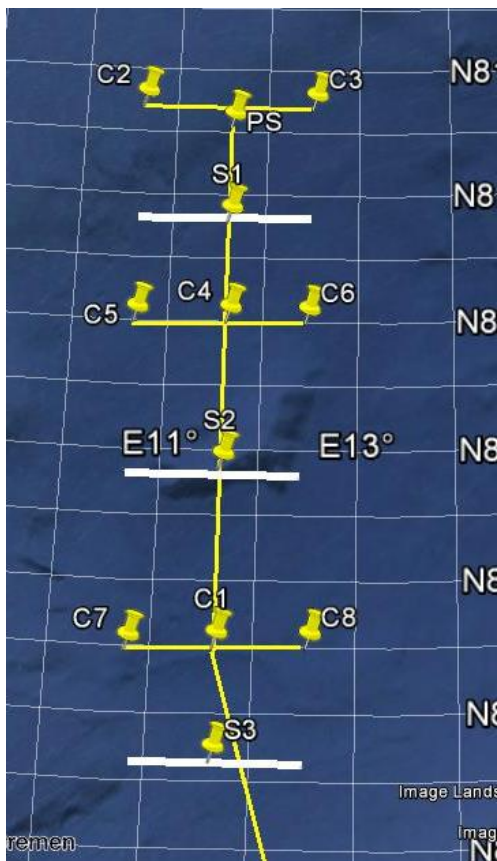
POLAR 6

Crew:	Mission PI	Manfred Wendisch	Est. Take Off: 14:35 LT
	AWI	Cristina Sans i Coll	
	CVI	Udo Kästner	Est. Duration: 5 hr 50 min
	Aerosol I	Franziska Köllner	
	Aerosol II	Oliver Eppers	or 5 hr: 26 min in case
	PMS	Guillaume Mioche	if 2 legs are skipped

ACLOUD Flight 2017 06 14 Wednesday

Flight Plan (estimates of time for P5)

LYR → C1	10,000 ft :	175 Nm , 160 kn	63 min
C1 → PS	arrive at PS in 200 ft, descend 1000 ft/min	49 Nm , 160 kn	18 min
C2 – C3	(5 staggered legs, length 16 Nm, 8 min) in different heights, e.g. 200 ft, 400 ft, 600 ft, 1000 ft, 1500 ft	120 kn	60 min
PS → C4	200 ft	20 Nm, 120 kn	10 min
C5 – C6	(5 staggered legs, length 16 Nm, 8 min)	120 kn	60 min
C4 → C1	200 ft	30 Nm 120 kn	15 min
C7 – C8	(5 staggered legs, length 16 Nm, 8 min)	120 kn	60 min
C8 → LY	10.000 ft	160 kn	66 min



Waypoints:

LYR: 78° 14.816' N	15° 27.545' E
C1: 81° 0.000' N	11° 18.775' E
C2: 81° 50.150' N	10° 29.426' E
PS: 81° 48.000' N	11° 18.339' E
C3: 81° 49.943' N	12° 06.064' E
C4: 81° 29.774' N	11° 18.447' E
C5: 81° 29.710' N	10° 28.083' E
C6: 81° 29.666' N	12° 02.176' E
C7: 80° 59.578' N	10° 38.906' E
C8: 81° 31.804' N	12° 10.039' E

Polar 6

S1: 81° 39.174' N	11° 18.746' E
S2: 81° 16.205' N	11° 18.746' E
S3: 80° 49.854' N	11° 18.746' E

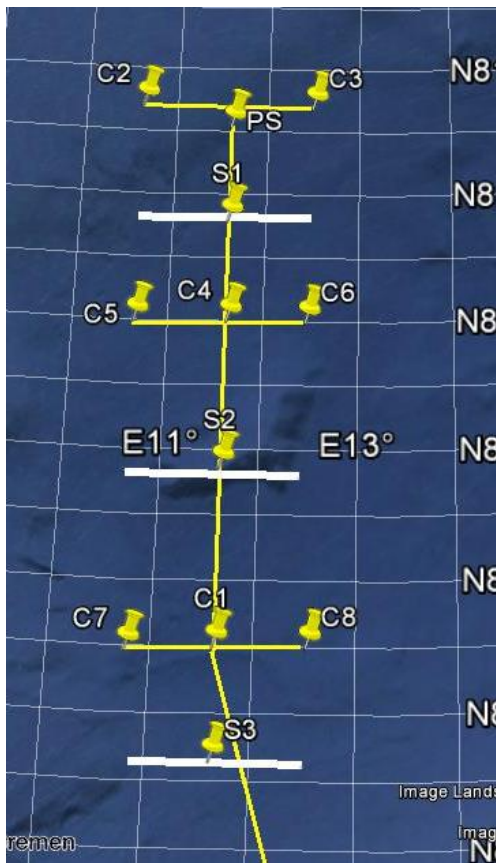
Dropsondes at

C1 C4 PS C1 → LY

POLAR 6

Flight Plan (estimates of time for P6)

LYR → C1	10,000 ft :	175 Nm , 160 kn	63 min
C1 → S1		40 Nm , 160 kn	15 min
at S1 5 staggered legs	8 min length	120 kn	60min
S1 – S2 saw tooth		24 Nm 120 kn	12 min
at S2 5 staggered legs	8 min length		60 min
S2 → S3 saw tooth		40 Nm, 120 kn	20 min
at S3 3-5 staggered legs	8 min length	120 kn	36- 60 min
S3 --> LY	10.000 ft	160 kn	60 min



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Polar 6

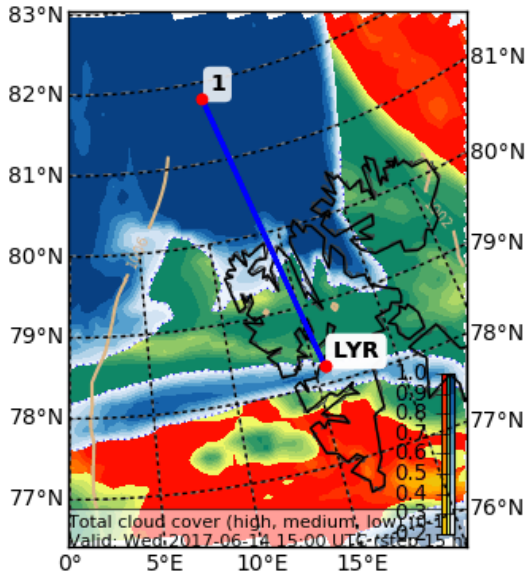
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Dropsondes at

C1 C4 PS C1→LY

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

Valid: Wed 2017-06-14 15:00 UTC (step 15 hrs from Wed 2017-06-14 00:00 UTC)



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