

ACLOUD Flight 2017 05 29 Monday

POLAR 5

Crew:	Mission PI	Christof Lüpkes	Est. Take Off:	7:00 LT
	AWI	Christoph Petersen		
	SMART	Johannes Stapf	Est. Duration:	5 h 00 min
	Eagle/Hawk	Evelyn Jäkel		
	MiRAC	Tatiana Nomokonova		
	AMALi	Tobias Doktorowski		

LYR: 78° 14.816' N, 15° 27.545' E

NA: 78° 55.000' N, 11° 50.000' E

S1: 79° 45.212' N , 7° 28.937' E **S2:** 80°30.000' N 7°30.000'E

S3: 80° 30.000' N 8° 27.826' E **S4:** 80° 30.860' N 8° 28.023 E

S5: 80° 30.949' N 7° 30.741' E

S6: 80° 1.369' N 7° 30.686' E **S7:** 80° 1.421' N 8° 26.257' N

S8: 80° 2.418' N 8° 26.302'E **S9:** 80° 2.389' N 7° 30.781' E

Flight Plan, Part I

LYR – NA climb and stay at 10,000 ft:	57 NM @ 140kn	24 min
NA – S1 10,000 ft	69 NM 140 kn	30 min
S1 –S2 10,000 ft	45 NM 140 kn	19 min

Descent with 1000 ft/min to reach S2 in 200 ft

BOX pattern:

S2 – S3 200 ft	11 Nm 120 kn	5.5 min
at S3 full 360° circle with 30 degrees bank		4 min.
S3 – S4 200 ft	1 Nm	2 min
S4 – S5 200 ft	11 Nm 120 kn	5.5 min
S5 – S2 ascend to 500 ft	1 Nm	2 min

Repeat the Box at 500 ft, 800 ft, 1100 ft

Flight Plan, Part II

S2 – S6 200 ft

29 Nm 120 kn

15 min

BOX pattern:

S6 – S7 200 ft

11 Nm 120 kn

5.5 min

at S7 full 360 ° circle with 30 degrees bank

4 min

S7 – S8 200 ft

1 Nm 120 kn

2 min

S8 – S9 200 ft

11 Nm 120 kn

5.5 min

S9 – S6 ascend to 500 ft

1 Nm 120 kn

2 min

Repeat the box at 500 ft, 800 ft, 1100 ft

S6 – NA 10.000 ft

82 Nm 140 kn

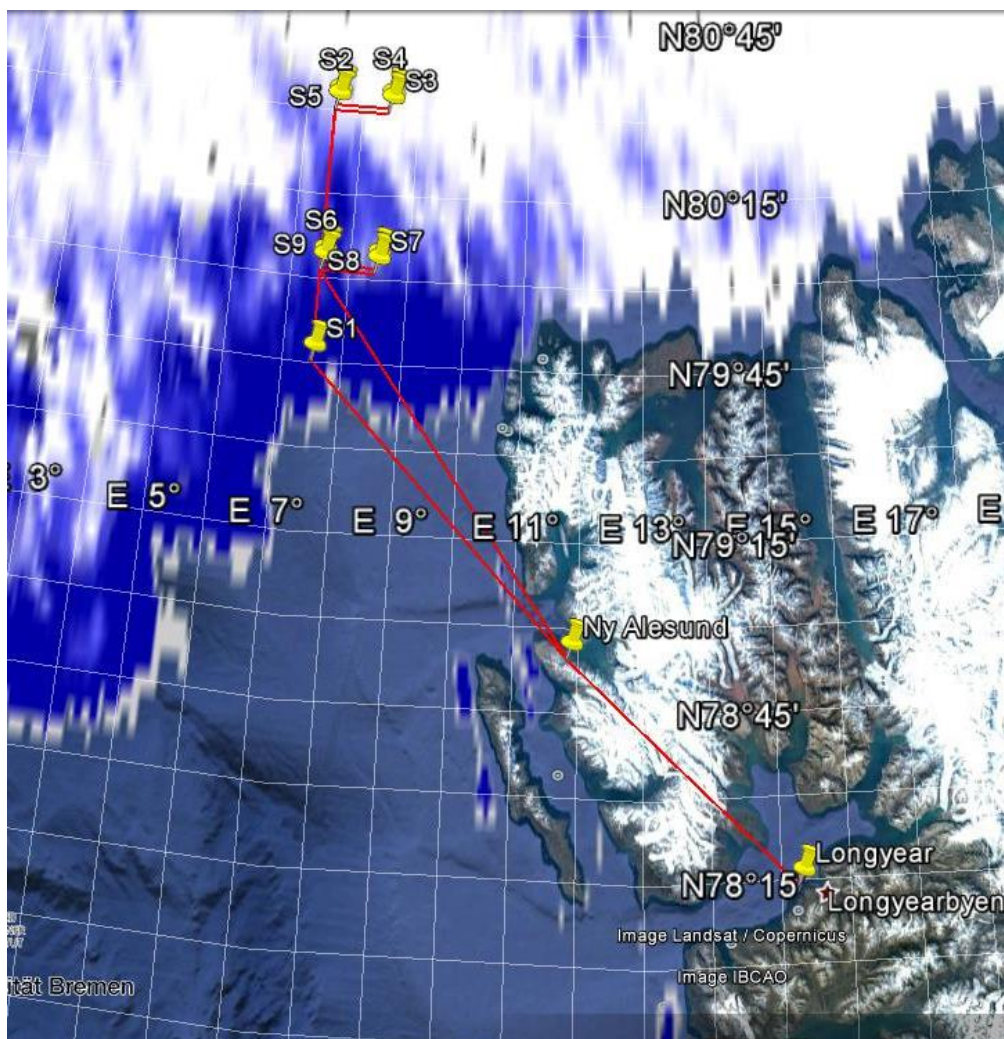
35 min

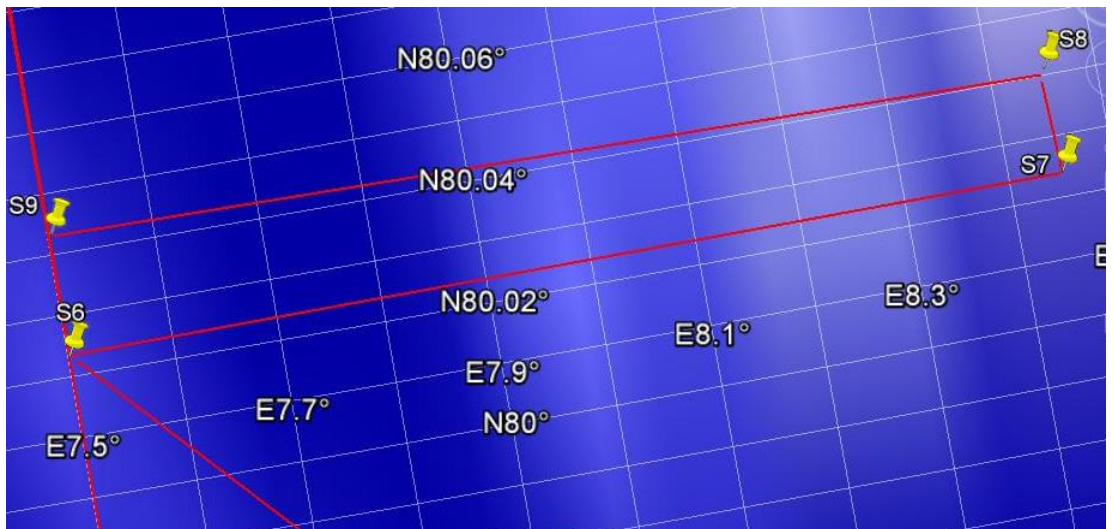
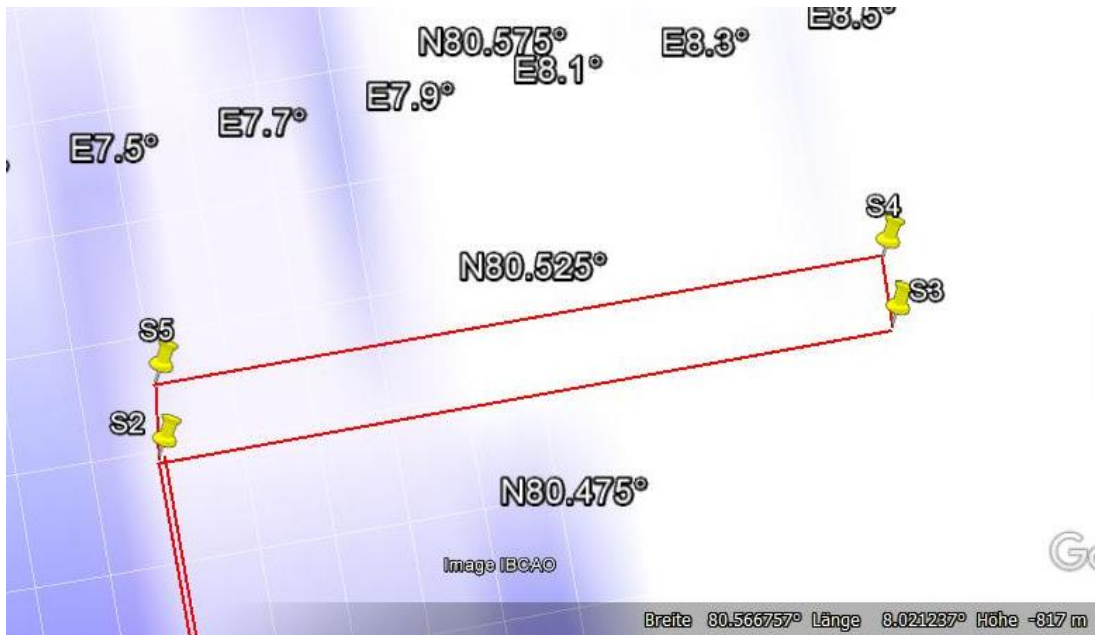
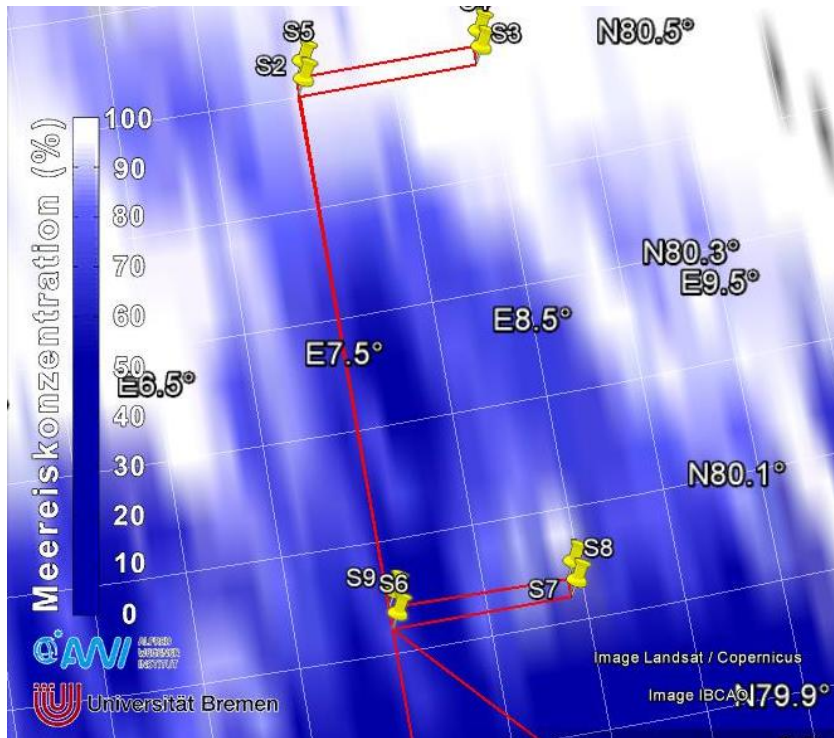
NA – LY 10.000 ft

57 Nm 140 kn

24 min

Total time: 4 hr 59 min





„EVI“ Curve

S5

S4



S2

S3

bank:
30 deg.