



Flight Plan for: 26 March 2021

POLAR 6

Take Off: 10:00 UTC
Duration: 04.35 Hours

Pilots: Alan Gilbertson
Artem Brusilovskiy

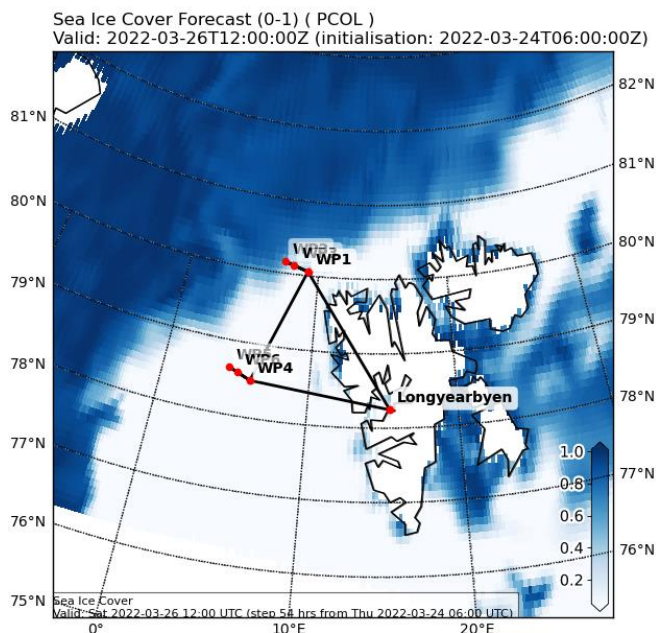
Crew:	Mission PI	Manuel Moser
	AWI	Dennis Ludwig
	CVI	Sarah Grawe
	ALABAMA /Trace gas	Oliver Eppers
	PMS	Regis Dupuy
	Aerosol/HERA	Frank Stratmann

Ground PI: ???

Waypoints:

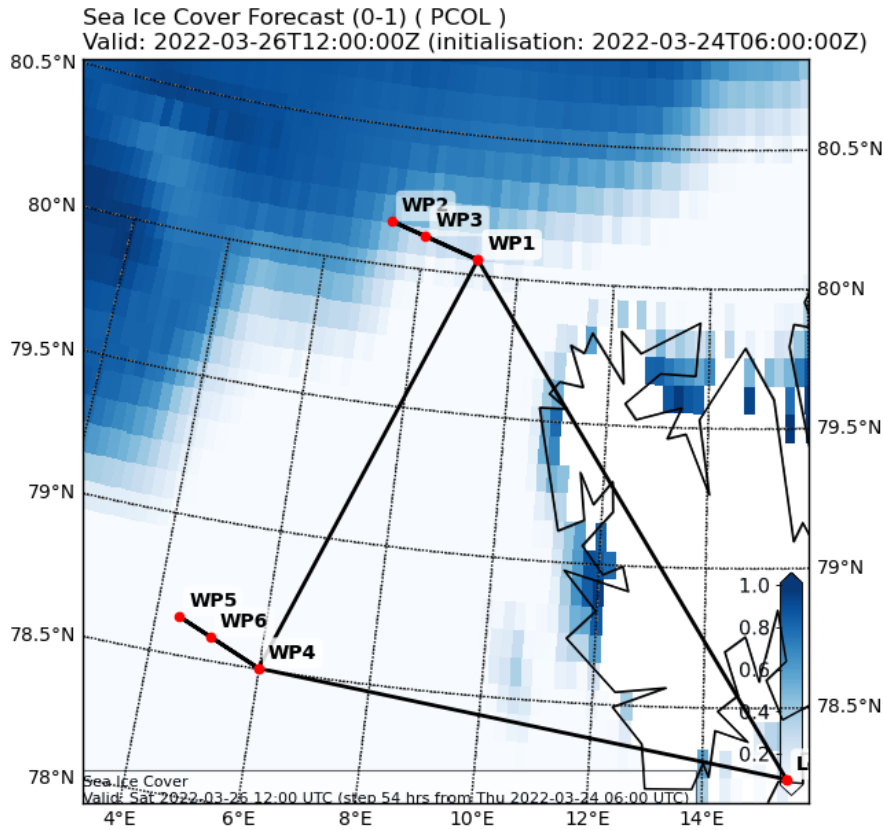
WP1	80.06	9.16	80°	3.360'	N	9°	9.420'	E
WP2	80.16	7.27	80°	9.480'	N	7°	16.440'	E
WP3	80.12	8.02	80°	7.200'	N	8°	0.960'	E
WP4	78.50	5.99	78°	30.120'	N	5°	59.280'	E
WP5	78.64	4.41	78°	38.220'	N	4°	24.840'	E
WP6	78.58	5.04	78°	35.100'	N	5°	2.460'	E

Overview Map:





Detailed Map:



Flight Plan:

LYR – W1 at cruise altitude	@160kn; 130NM	46 min
W1 – W2 200ft aerosol (INP) leg	@120kn	
W2 – W1 200ft aerosol (INP) leg	@120kn	
W1 – W3 Stacked pattern (3 inside cloud, 1 above)	@120kn	69min
W3 <-> W4 Staircase pattern	@120/130kn; 100NM	50min
W4 – W5 200ft aerosol (INP) leg	@120kn	
W5 – W4 200ft aerosol (INP) leg	@120kn	
W4 <-> W6 Stacked pattern (3 inside cloud, 1 above)	@120kn	69min
W4 – LYR at FL120 (5min); FL100 (5min); rest cruise	@160kn; 116NM	41min

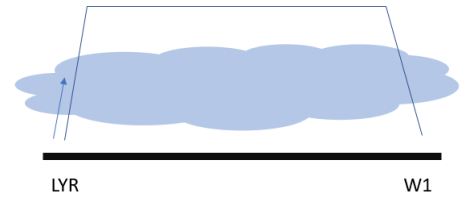
Total:

4 hr 35 min

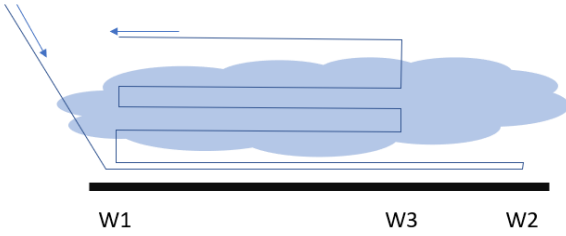


Additional Maps:

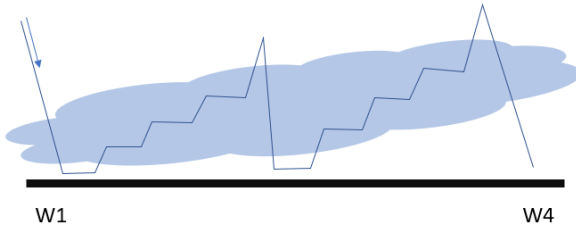
LYR → W1 (@160kn; 130NM; 46min)



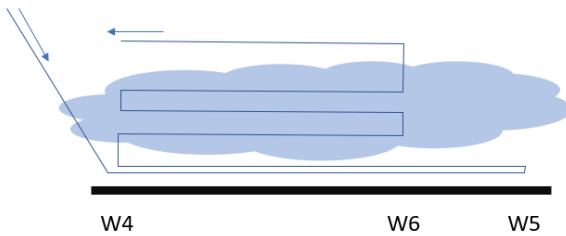
W1 ↔ W2/W3 (12NM; 6min) / (20NM; 10min) **Total: 69 min**



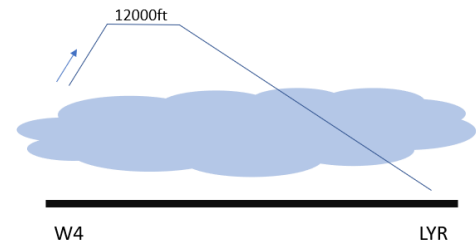
W1 → W4 (100NM; 50min)



W4 ↔ W5/W6 (12NM; 6min) / (20NM; 10min) **Total: 69 min**



W4 → LYR (@160kn; 116NM; 41min)



Cloud Cover (0-1) Vertical Section

Valid: 2022-03-26T14:00:00Z (initialisation: 2022-03-25T00:00:00Z)

