



Flight Plan for: 1 April 2022

**POLAR 6**

Take Off: 09:00 UTC  
Duration: Hours

Pilots: Alan Gilbertson  
Artem Brusilovskiy

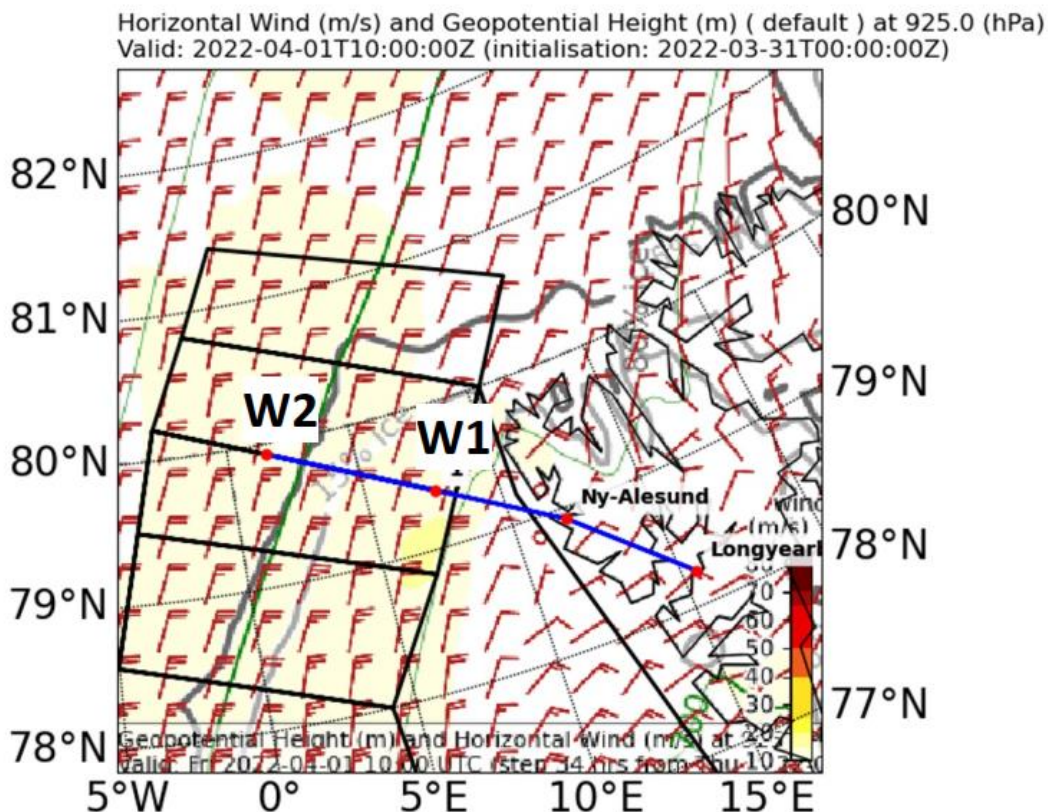
### Crew:

Mission PI	Stephan Borrmann
AWI	Max Stöhr
CVI/ Aerosol/HERA	Bruno Wetzel
ALABAMA /Trace gas	Oliver Eppers
PMS	Johanna Mayer
	Elena De La Torre Castro

### Waypoints:

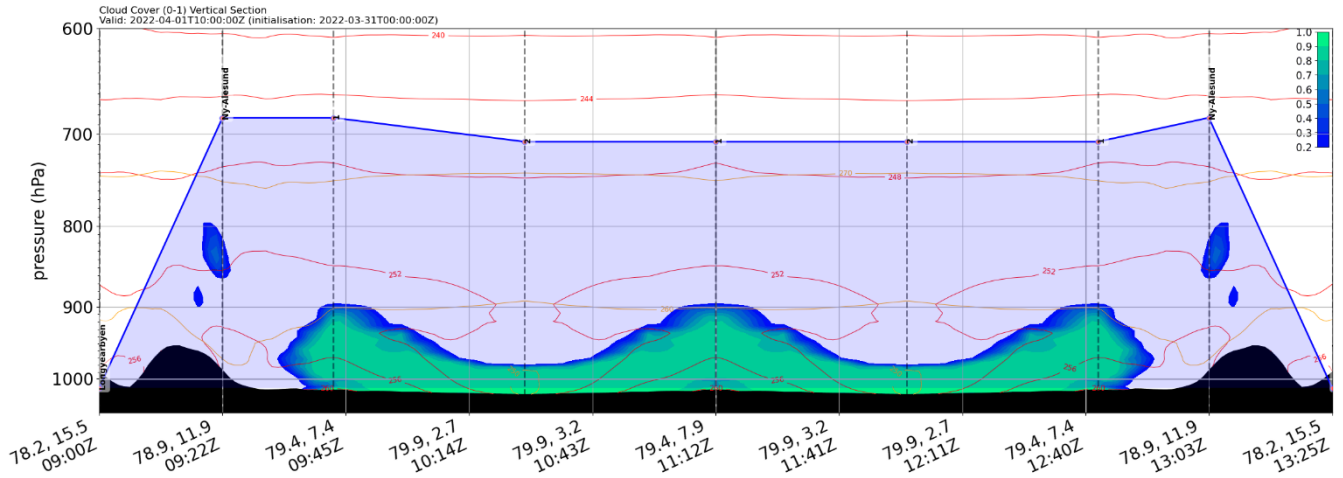
WP1	79°24.0' N	007°36.6' E	WP1	79.40	7.61	0
WP2	79°55.8' N	001°31.2' E	WP2	79.93	1.52	0

### Overview:





## Sideview with ECMWF clouds:



## Flight Plan:

<b>LYR – WP1</b>	at cruise altitude	<b>115 NM @120kn</b>	<b>58 min</b>
<b>WP1 – WP2</b>	six 73 nm legs, incl. staircase plus 5 procedure turns at 4' each	<b>438 NM @120kn</b>	<b>219 min</b>
<b>WP1 – LYR</b>	“trace gas hill” (up to 14 kft)	<b>111 NM @ 120kn</b>	<b>56 min</b>

**Total:**

**5 hr 53 min**



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Loc	Lat	Lon	FL	TAS to next	NM	Dist. cum	Duration	UTC at
LYR	78.25	15.48	0	0	0	0	0	9:00
NYA	78.92	11.92	100	160	58	58	22	9:22
W1	79.4	7.61	100	160	56	115	21	9:43
W2	79.93	1.52	100	120	73	188	36(+4)	10:24
W1	79.4	7.61	100	120	73	261	36(+4)	11:04
W2	79.93	1.52	100	120	73	335	36(+4)	11:45
W1	79.4	7.61	100	120	73	408	36(+4)	12:25
W2	79.93	1.52	100	120	73	481	36(+4)	13:06
W1	79.4	7.61	100	120	73	554	36	13:43
NYA	78.92	11.92	100	160	53	611	21	14:04
LYR	78.25	15.48	0	160	58	670	22	14:26

# Cloud profiling

