



Flight Plan:

Tuesday, 29 March

**HALO**

Take Off: 07:45 UTC  
Duration: 9 Hours, 00 min

Pilots: Roland Welser  
Thomas Kalfas  
Technician: Thomas Leder

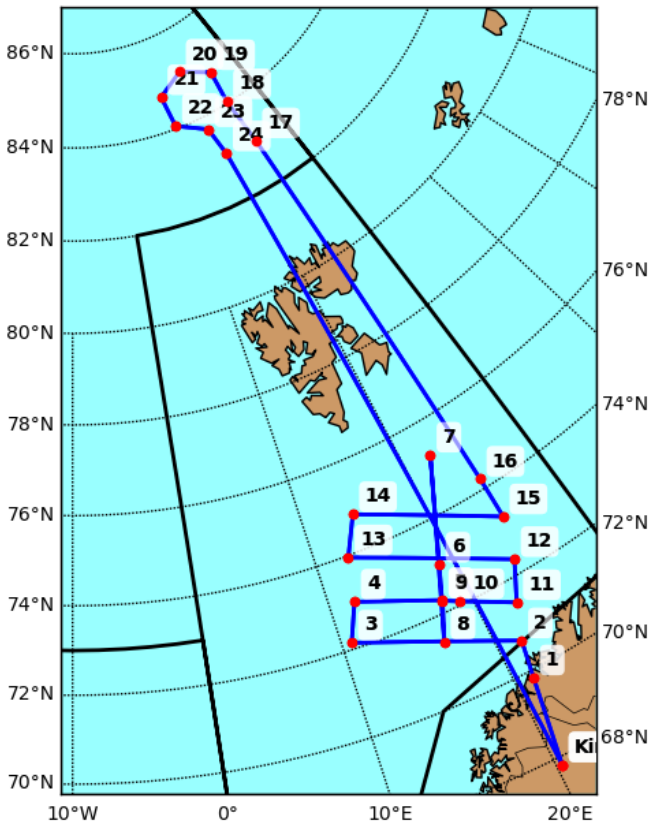
**Crew:**

Mission PI  
WALES  
HAMP  
SMART/VELOX  
specMACS  
Dropsondes  
Camera  
Ground PI

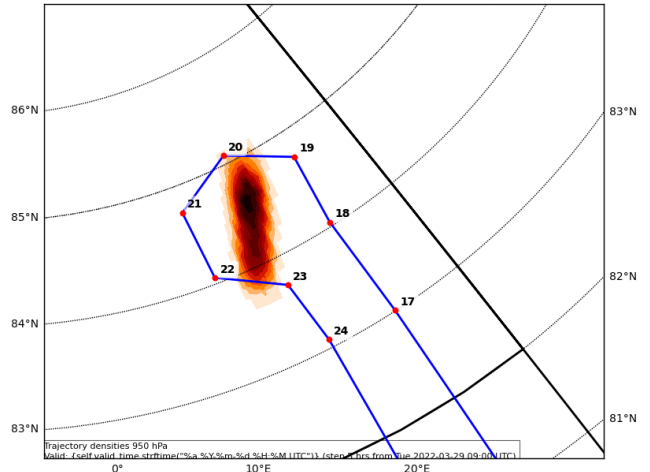
Davide Ori  
Georgios Dekoutsidis  
Lutz Hirsch  
Michael Schäfer  
Veronika Pörtege  
Sebastian Schmidt  
Michalis Karalis  
Florian Ewald

**Maps:**

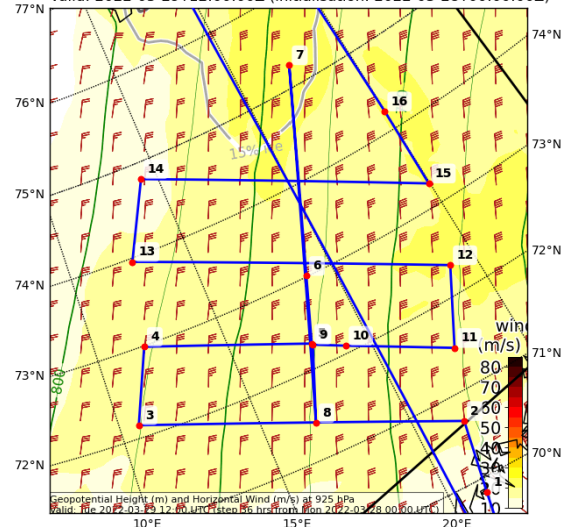
Top view



Trajectory density (arb.u.) at 950.0 (hPa)  
Valid: 2022-03-29T14:00:00Z (initialisation: 2022-03-29T09:00:00Z)

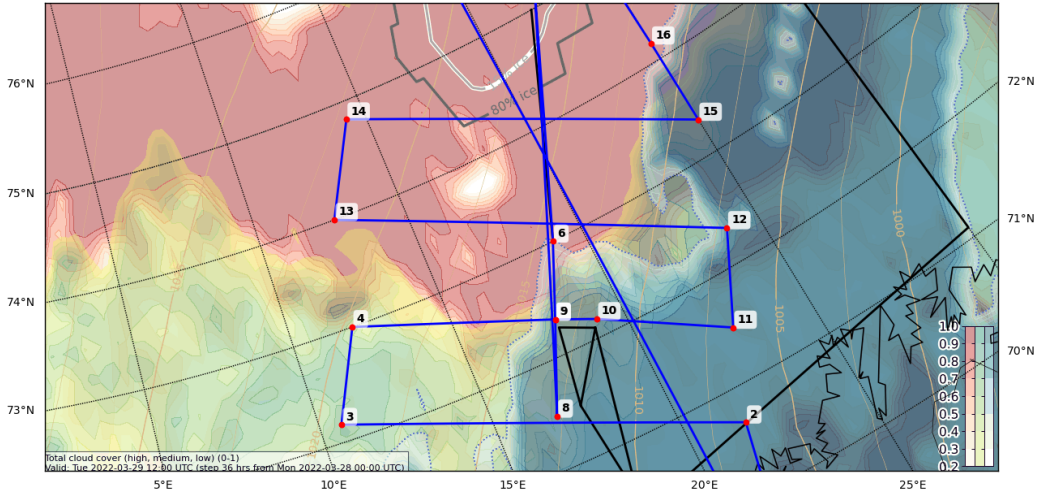


Horizontal Wind (m/s) and Geopotential Height (m) ( default ) at 925.0 (hPa)  
Valid: 2022-03-29T12:00:00Z (initialisation: 2022-03-28T00:00:00Z)

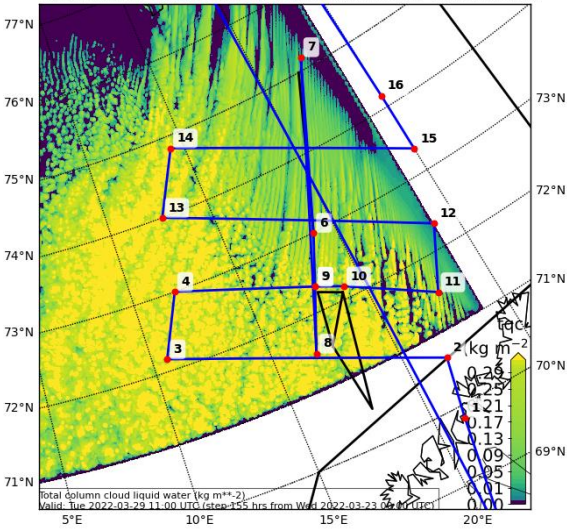




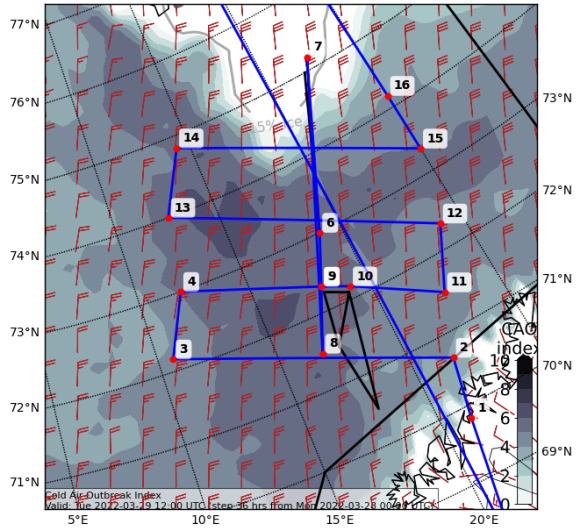
Cloud Cover (0-1) and Mean Sea Level Pressure (hPa) (TOT)  
Valid: 2022-03-29T12:00:00Z (initialisation: 2022-03-28T00:00:00Z)



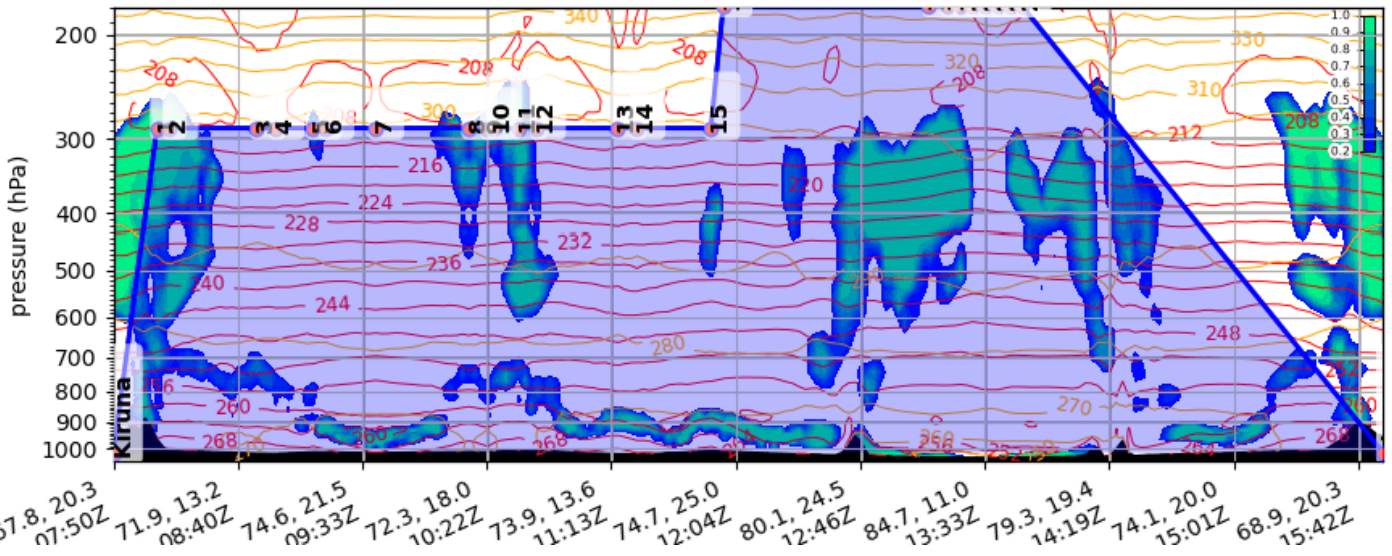
LES Cloud Variables (tqc)  
Valid: 2022-03-29T11:00:00Z (initialisation: 2022-03-23T00:00:00Z)



Marine Cold Air Outbreak Index and Surface Winds  
Valid: 2022-03-29T12:00:00Z (initialisation: 2022-03-28T00:00:00Z)



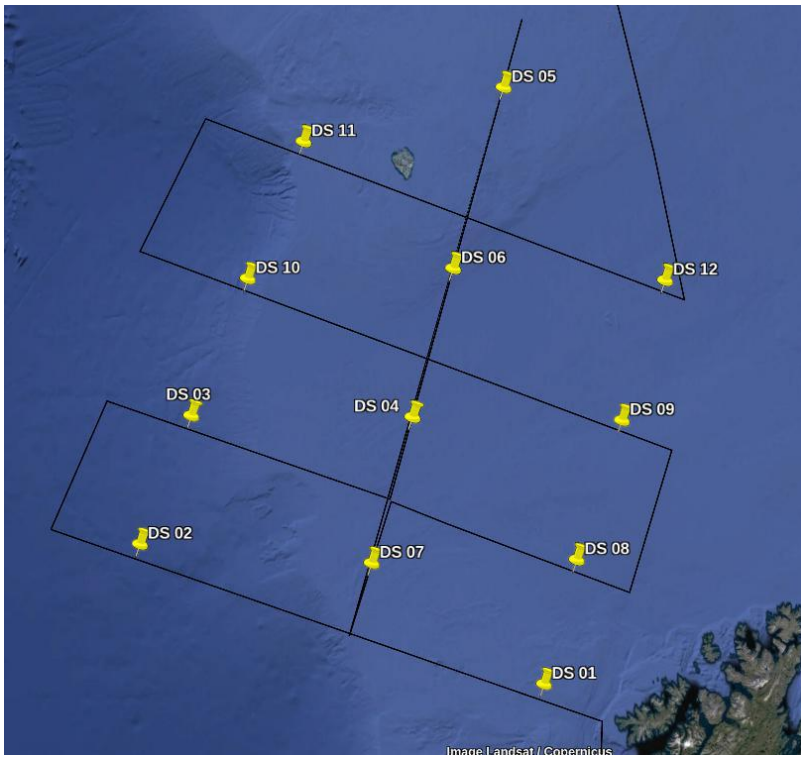
Cloud Cover (0-1) Vertical Section  
Valid: 2022-03-29T12:00:00Z (initialisation: 2022-03-28T00:00:00Z)





## Waypoints

Index	Location	Lat (+- 90)	Lon (+- 180)	Flightlevel	Leg dist. (km)	Cum. dist. (km)	ote
0	Kiruna	67.833	20.333	0	0	0	
1		69.833	21.167	310	228	228	
2		70.667	21.667	310	96	324	
3		72.167	10.667	310	422	746	
4		73	12	310	102	847	
5		72.333	18	310	217	1064	
6		73	19	310	88	1152	
7		75.167	22.5	310	271	1423	
8		71.5	16.833	310	461	1884	
9		72.333	18	310	101	1986	
10		72.167	19.167	310	43	2029	
11		71.5	22.667	310	140	2169	
12		72.333	24	310	107	2275	
13		74	12.667	310	410	2685	
14		74.833	14.333	310	107	2792	
15		73.333	25	310	370	3161	
16		74.167	25	410	108	3269	
17		83	24	410	981	4250	
18		84	23.333	410	116	4366	Hex
19		84.667	23.833	410	78	4444	Hex
20		85	17.5	410	74	4518	Hex
21		84.667	11	410	74	4592	Hex
22		84	11.667	410	77	4669	Hex
23		83.667	17.5	410	78	4747	Hex
24		83	18.5	410	72	4819	Hex
25	Kiruna	67.833	20.333	0	1704	6523	



### 17 Dropsondes:

D01	70.87 N	20.53 E
D02	71.97 N	12.45 E
D03	72.81 N	13.61 E
D04	72.71 N	18.48 E
D05	74.76 N	21.57 E
D06	73.64 N	19.78 E
D07	71.78 N	17.32 E
D08	71.65 N	21.56 E
D09	72.49 N	22.98 E
D10	73.69 N	15.00 E
D11	74.56 N	16.51 E
D12	73.33 N	24.51 E

Circle around (84.4N 17.43E)  
 Radius: 75 km

D13	84.40 N	23.66 E
D14	84.93 N	20.47 E
D15	84.91 N	13.42 E
D16	84.42 N	11.14 E
D17	83.89 N	14.60 E