



# Flight Plan: Wednesday, 30 March

# HALO

Take Off: 10:00 Local Time  
 Duration: 08:12  
 Plus curves

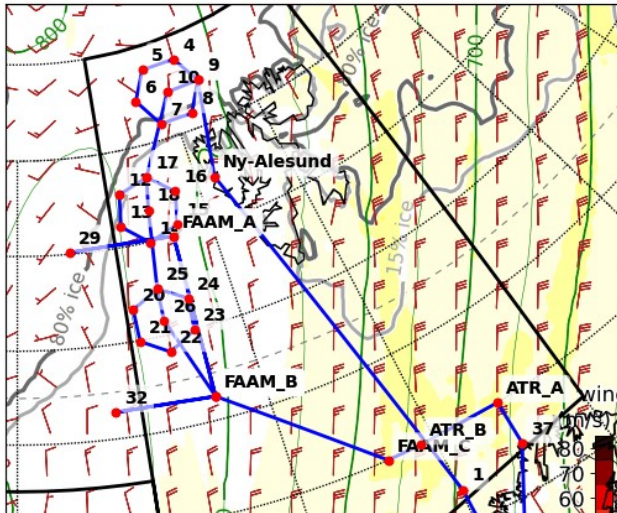
Pilots: Roland Welser  
 Thomas Kalfas  
 Technician: Alexander Wolff

## Crew:

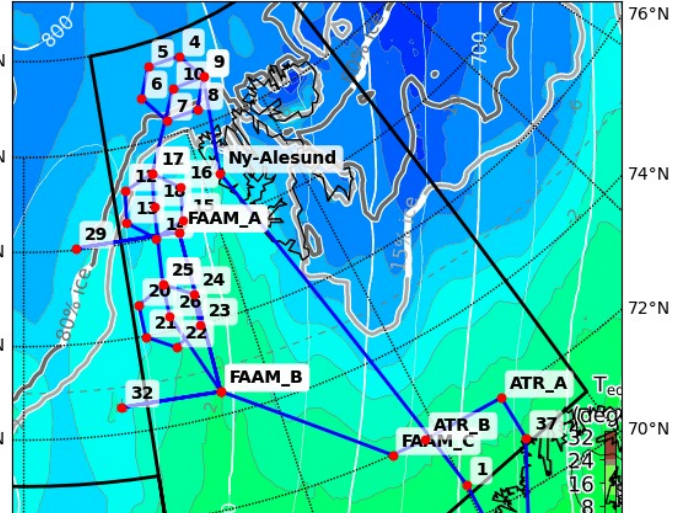
Mission PI	Roel Neggers
WALES	Silke Gross
HAMP	Florian Ewald
SMART/VELOX	Johannes Röttenbacher
specMACS	Anna Weber
Dropsondes	Fiona Paulus
Camera	Geet George
Ground PI	Benjamin Kirbus

## Maps:

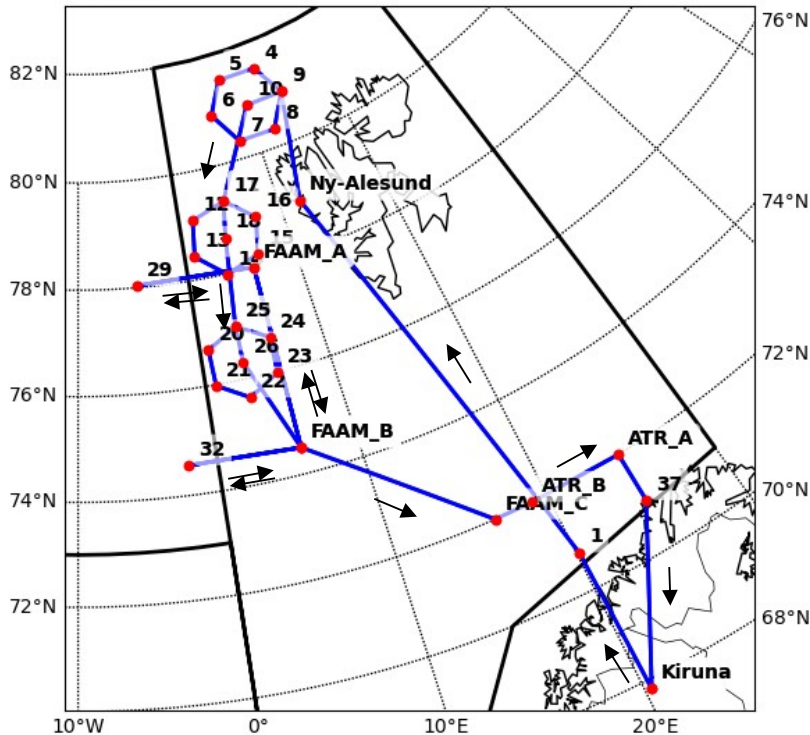
Horizontal Wind (m/s) and Geopotential Height (m) ( default ) ε  
 Valid: 2022-03-30T12:00:00Z (initialisation: 2022-03-29T00:00:00Z)



Temperature, Equivalent Potential ( degC) and Geopotential Height (m) ( default ) ε  
 Valid: 2022-03-30T12:00:00Z (initialisation: 2022-03-29T00:00:00Z)



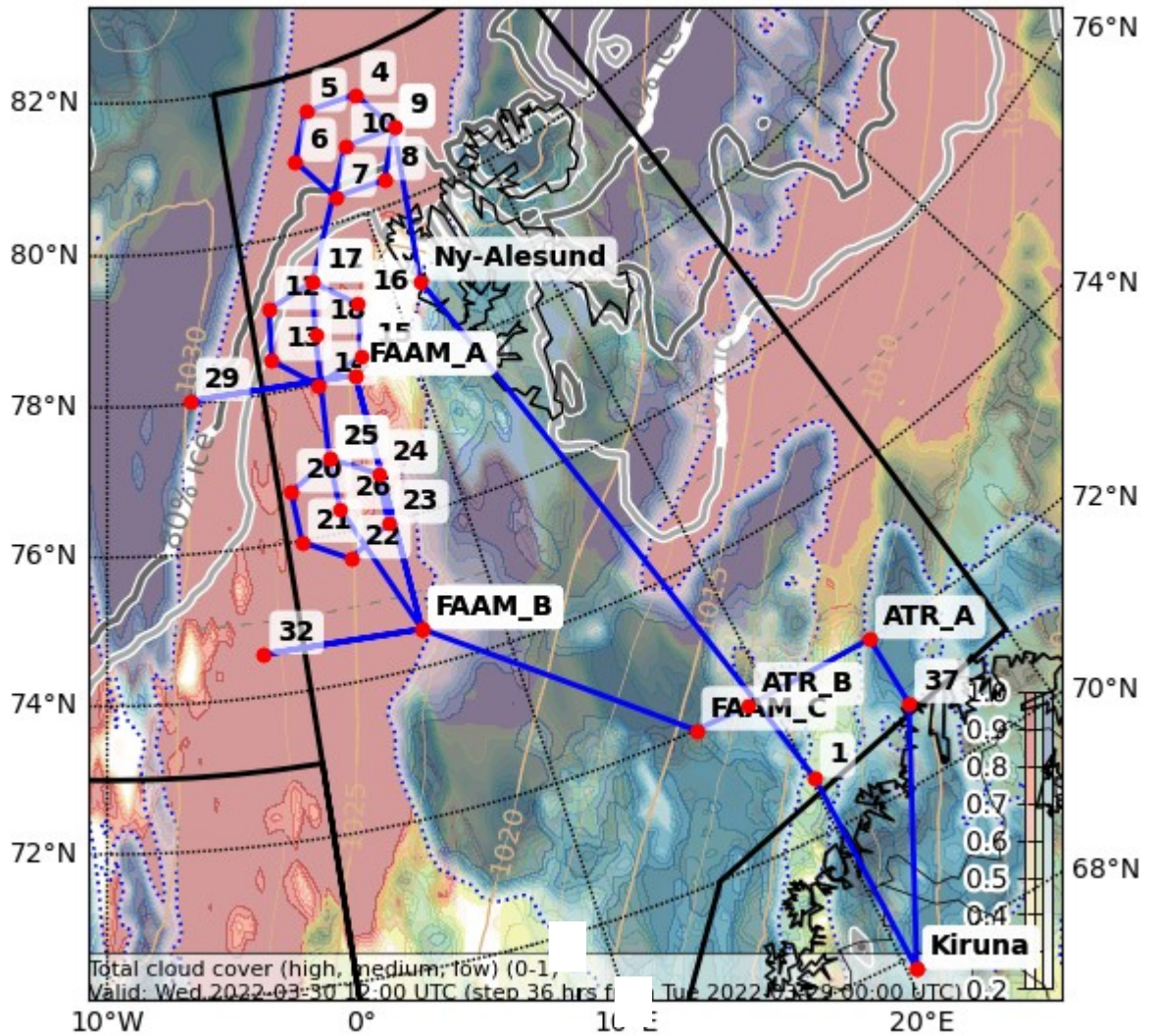
Top view



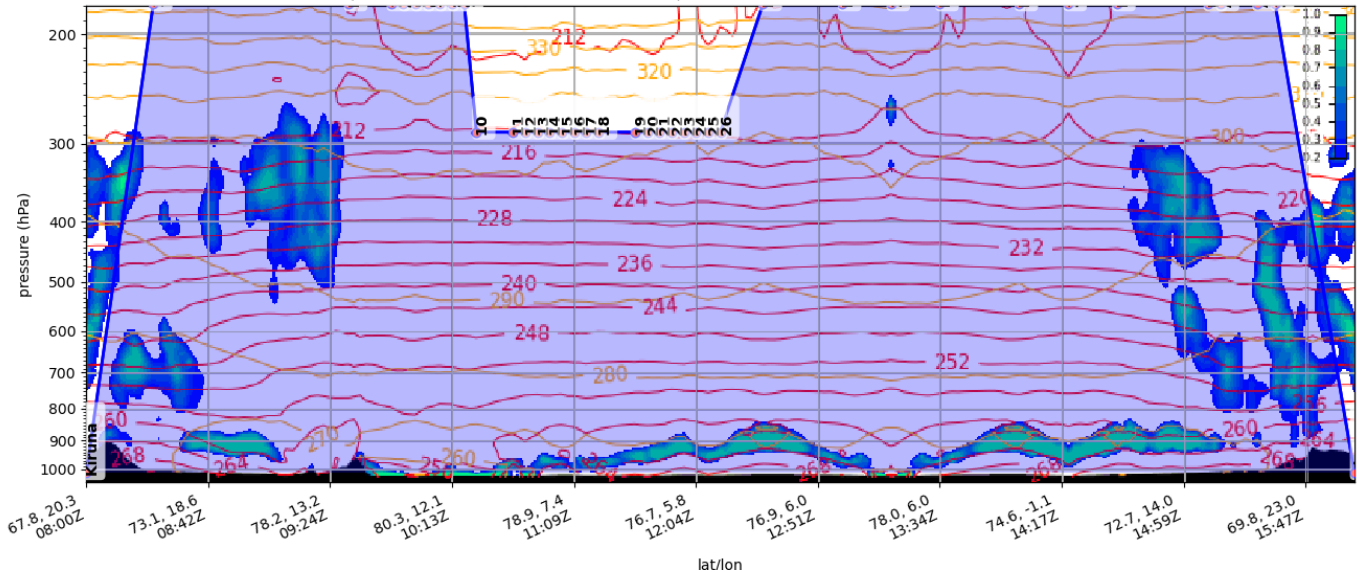


## Clouds

Cloud Cover (0-1) and Mean Sea Level Pressure (hPa) (TOT)  
 Valid: 2022-03-30T12:00:00Z (initialisation: 2022-03-29T00:00:00Z)



Cloud Cover (0-1) Vertical Section  
 Valid: 2022-03-30T12:00:00Z (initialisation: 2022-03-29T00:00:00Z)





## Waypoints

Location	Lat (+90)	Lon (+180)	Flightlevel	Pressure (hPa)	Leg dist. (km [nm])	Cum. dist. (km [nm])	Leg time	Cum. time	Time (UTC)	Rem. fuel (lb)	Aircraft weight (lb)	Ceiling altitude (hft)	Ascent rate (ft/minute)	Comments
0 Kiruna	67,82	20,34	0	1.013,25	0 [0]	0 [0]	00:00:00	00:00:00	2021-03-31 08:00:19	91000	91000	415	0	
1	70,75	20,15	410	178,74	326 [176]	326 [176]	00:23:14	00:23:14	2021-03-31 08:23:33	89721	89721	417	1764	
2 Ny-Alesund	78,93	11,99	410	178,74	941 [508]	1268 [684]	01:06:55	01:30:10	2021-03-31 09:30:29	86040	86040	425	0	
3	80,92	14,43	410	178,74	227 [122]	1495 [807]	00:16:10	01:46:20	2021-03-31 09:46:39	85151	85151	427	0	Hexagon 1
4	81,51	12,42	410	178,74	74 [40]	1569 [847]	00:05:17	01:51:37	2021-03-31 09:51:56	84860	84860	427	0	Hexagon 2
5	81,51	7,8	410	178,74	76 [41]	1645 [888]	00:05:24	01:57:02	2021-03-31 09:57:21	84562	84562	428	0	Hexagon 3
6	80,92	5,79	410	178,74	74 [40]	1720 [928]	00:05:17	02:02:19	2021-03-31 10:02:38	84272	84272	429	0	Hexagon 4
7	80,33	8,08	410	178,74	77 [42]	1798 [970]	00:05:32	02:07:52	2021-03-31 10:08:11	83967	83967	429	0	Hexagon 5
8	80,33	12,14	410	178,74	76 [41]	1874 [1012]	00:05:24	02:13:17	2021-03-31 10:13:36	83669	83669	430	0	Hexagon 6
9	80,92	14,43	410	178,74	77 [42]	1952 [1054]	00:05:32	02:18:49	2021-03-31 10:19:09	83364	83364	431	0	Hexagon 7
10	80,92	10,11	310	287,44	76 [41]	2028 [1095]	00:05:49	02:24:39	2021-03-31 10:24:58	83043	83043	431	-1715	Circle 01 mid point
11	79,33	4,76	310	287,44	204 [110]	2232 [1205]	00:15:38	02:40:18	2021-03-31 10:40:37	82183	82183	433	0	Hexagon 1
12	79,1	1,36	310	287,44	75 [40]	2308 [1246]	00:05:47	02:46:05	2021-03-31 10:46:25	81864	81864	434	0	Hexagon 2
13	78,43	0,93	310	287,44	75 [40]	2384 [1287]	00:05:47	02:51:52	2021-03-31 10:52:12	81546	81546	435	0	Hexagon 3
14	77,99	3,55	310	287,44	77 [41]	2461 [1329]	00:05:55	02:57:48	2021-03-31 10:58:07	81220	81220	435	0	Hexagon 4
15	78,22	6,68	310	287,44	76 [41]	2537 [1370]	00:05:51	03:03:39	2021-03-31 11:03:58	80898	80898	436	0	Hexagon 5
16	78,89	7,45	310	287,44	76 [41]	2614 [1411]	00:05:53	03:09:32	2021-03-31 11:09:52	80574	80574	437	0	Hexagon 6
17	79,33	4,76	310	287,44	74 [40]	2689 [1452]	00:05:43	03:15:16	2021-03-31 11:15:35	80259	80259	438	0	Hexagon 7
18	78,66	4,12	310	287,44	76 [41]	2765 [1493]	00:05:49	03:21:05	2021-03-31 11:21:25	79939	79939	438	0	Circle 02 mid point
19	77	3,25	310	287,44	186 [100]	2952 [1594]	00:14:16	03:35:22	2021-03-31 11:35:41	79154	79154	440	0	Hexagon 1
20	76,66	0,69	310	287,44	75 [40]	3027 [1634]	00:05:46	03:41:08	2021-03-31 11:41:27	78837	78837	441	0	Hexagon 2
21	75,98	0,81	310	287,44	76 [41]	3103 [1675]	00:05:49	03:46:58	2021-03-31 11:47:17	78516	78516	442	0	Hexagon 3
22	75,64	3,25	310	287,44	76 [41]	3180 [1717]	00:05:52	03:52:51	2021-03-31 11:53:10	78193	78193	442	0	Hexagon 4
23	75,98	5,69	310	287,44	76 [41]	3257 [1758]	00:05:52	03:58:43	2021-03-31 11:59:03	77869	77869	443	0	Hexagon 5
24	76,66	5,81	310	287,44	76 [41]	3333 [1799]	00:05:49	04:04:33	2021-03-31 12:04:53	77548	77548	444	0	Hexagon 6
25	77	3,25	310	287,44	75 [40]	3408 [1840]	00:05:46	04:10:20	2021-03-31 12:10:39	77231	77231	445	0	Hexagon 7
26	76,32	3,25	310	287,44	76 [41]	3485 [1881]	00:05:50	04:16:10	2021-03-31 12:16:29	76910	76910	446	0	Circle 03 mid point
27 FAAM_B	74,5	6	410	178,74	217 [117]	3702 [1999]	00:15:26	04:31:37	2021-03-31 12:31:56	76060	76060	448	647	
28 FAAM_A	78	6	410	178,74	390 [210]	4093 [2210]	00:27:46	04:59:24	2021-03-31 12:59:43	74532	74532	452	0	
29	78	-5	410	178,74	255 [137]	4348 [2347]	00:18:08	05:17:32	2021-03-31 13:17:51	73535	73535	454	0	
30 FAAM_A	78	6	410	178,74	255 [137]	4603 [2485]	00:18:08	05:35:40	2021-03-31 13:35:59	72537	72537	457	0	
31 FAAM_B	74,5	6	410	178,74	390 [210]	4993 [2696]	00:27:46	06:03:27	2021-03-31 14:03:46	71009	71009	461	0	
32	74,5	-2	410	178,74	238 [128]	5232 [2825]	00:16:57	06:20:25	2021-03-31 14:20:44	70076	70076	463	0	
33 FAAM_B	74,5	6	410	178,74	238 [128]	5470 [2954]	00:16:57	06:37:22	2021-03-31 14:37:42	69143	69143	466	0	
34 FAAM_C	72	16,5	410	178,74	437 [236]	5908 [3190]	00:31:05	07:08:28	2021-03-31 15:08:47	67434	67434	471	0	
35 ATR_B	72	19	410	178,74	86 [46]	5994 [3236]	00:06:08	07:14:36	2021-03-31 15:14:55	67096	67096	472	0	
36 ATR_A	72	25	410	178,74	206 [111]	6201 [3348]	00:14:42	07:29:19	2021-03-31 15:29:38	66287	66287	474	0	
37	71	25	410	178,74	111 [60]	6312 [3408]	00:07:56	07:37:15	2021-03-31 15:37:34	65851	65851	475	0	
38 Kiruna	67,82	20,34	0	1.013,25	398 [215]	6711 [3624]	00:28:21	08:05:36	2021-03-31 16:05:56	64291	64291	480	-1114	

### Details:

- Pure circles, not hexagons
- Radius = 75km, counter-clockwise
- Circle time ~ 35 min
- ~ 10 dropsondes per circle
- Collocation with P5 & P6 in/near Circle 02
- Collocation with FAAM and ATR after Circle 03