



# Flight Plan:

# Sunday, 10 April

# HALO

Take Off: 08:30 UTC  
 Duration: 6 Hours, 32 min  
 Plus turns

Pilots: Roland Welsler  
 Thomas Kalfas  
 Technician: Thomas Leder

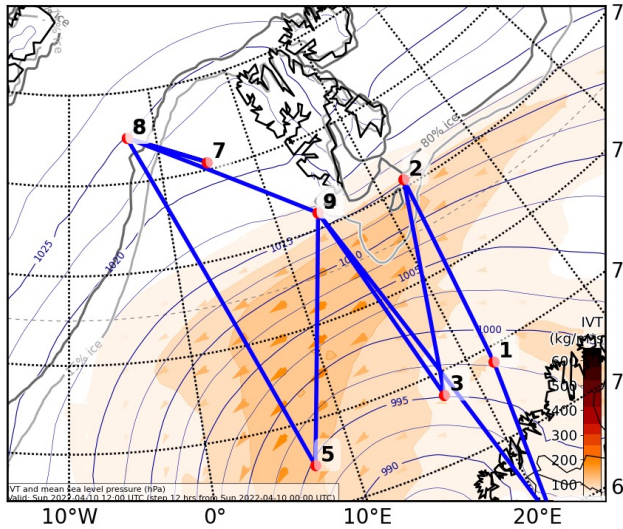
## Crew:

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

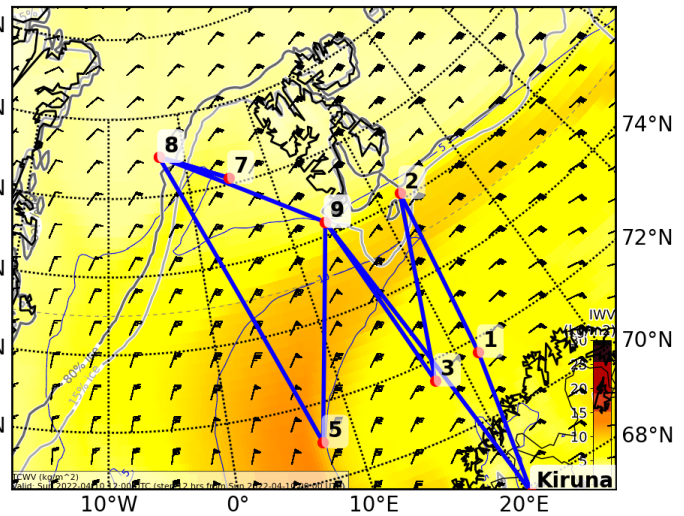
Irina Gorodetskaya  
 Silke Gross  
 Clémantyne Aubry  
 Michael Schaefer  
 Lea Volkmar  
 Henning Dorff  
 Andreas Walbröl  
 Andre Ehrlich

## Maps: Target 1 (WP1-6): warm/moist advection and precipitation

IVT (kg m<sup>-1</sup> s<sup>-1</sup>) and Mean Sea Level Pressure (hPa)  
 Valid: 2022-04-10T12:00:00Z (initialisation: 2022-04-10T00:00:00Z)

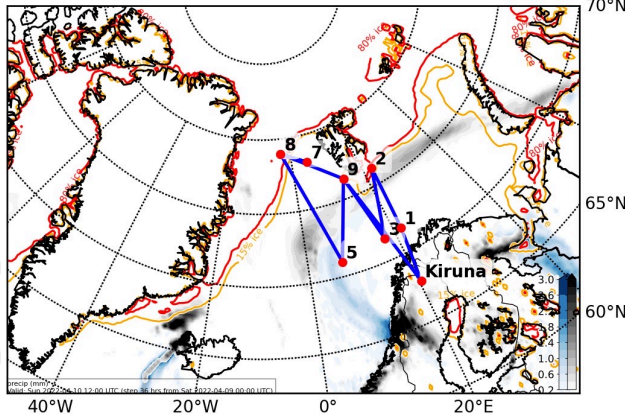


IWV (kg/m<sup>2</sup>) at 100.0 (hPa)  
 Valid: 2022-04-10T12:00:00Z (initialisation: 2022-04-10T00:00:00Z)

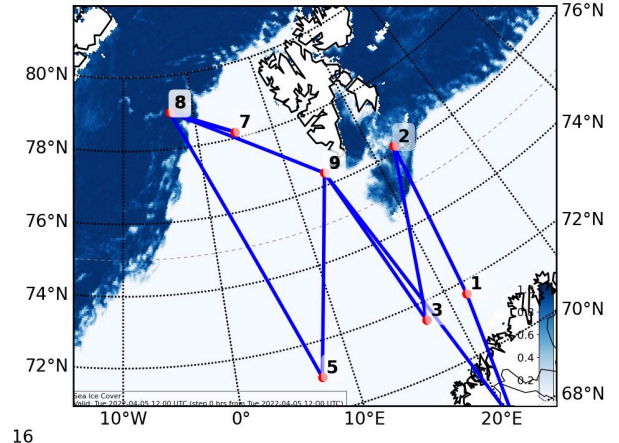


## Target 2 (WP5-6): precipitation

Precipitation, instantaneous (mm water eq.). Rain-blue, snow-black  
 Valid: 2022-04-10T12:00:00Z (initialisation: 2022-04-09T00:00:00Z)



Sea Ice Cover AMSR2 (0-1) ( default )  
 Valid: 2022-04-05T12:00:00Z (initialisation: 2022-04-05T00:00:00Z)







# Flight Plan:

# Sunday, 10 April

# HALO

Take Off: 06:45 UTC  
 Duration: 8 Hours, 39 min  
 Plus curves

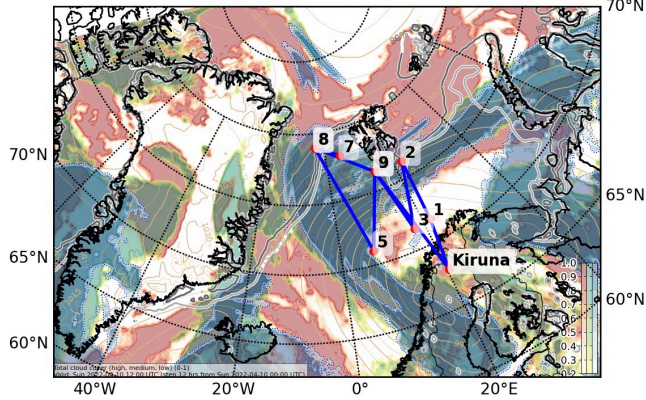
Pilots: Roland Welsler  
 Thomas Kalfas  
 Technician: Thomas Leder

## Maps (continued): Target 3 (WP6-9): clouds (7&8 collocated with P5&6)

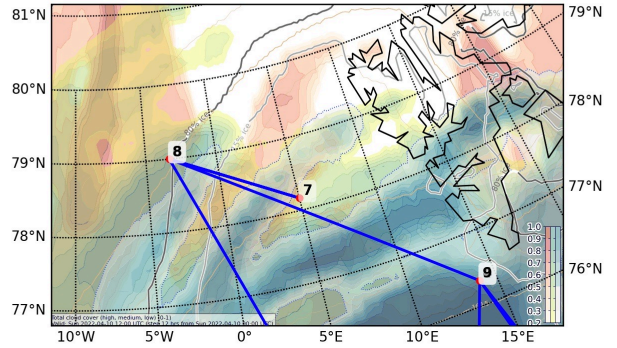
### ECMWF

### ICON

Cloud Cover (0-1) and Mean Sea Level Pressure (hPa) (TOT)  
 Valid: 2022-04-10T12:00:00Z (initialisation: 2022-04-10T00:00:00Z)

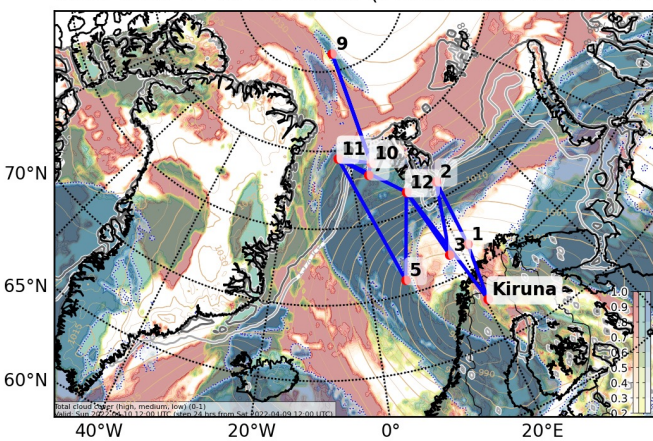


Cloud Cover (0-1) and Mean Sea Level Pressure (hPa) (TOT)  
 Valid: 2022-04-10T12:00:00Z (initialisation: 2022-04-10T00:00:00Z)

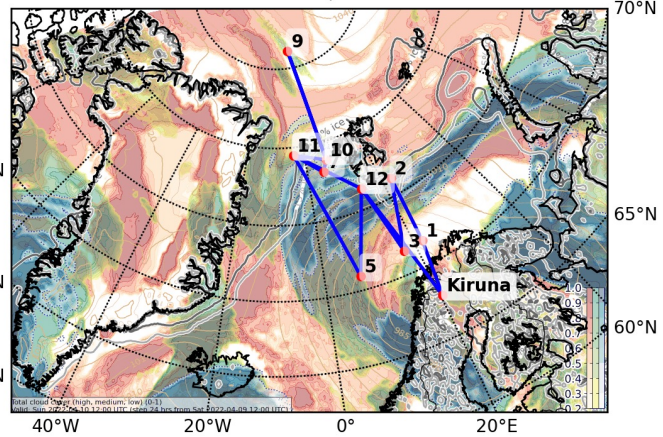


## Charts from the original plan:

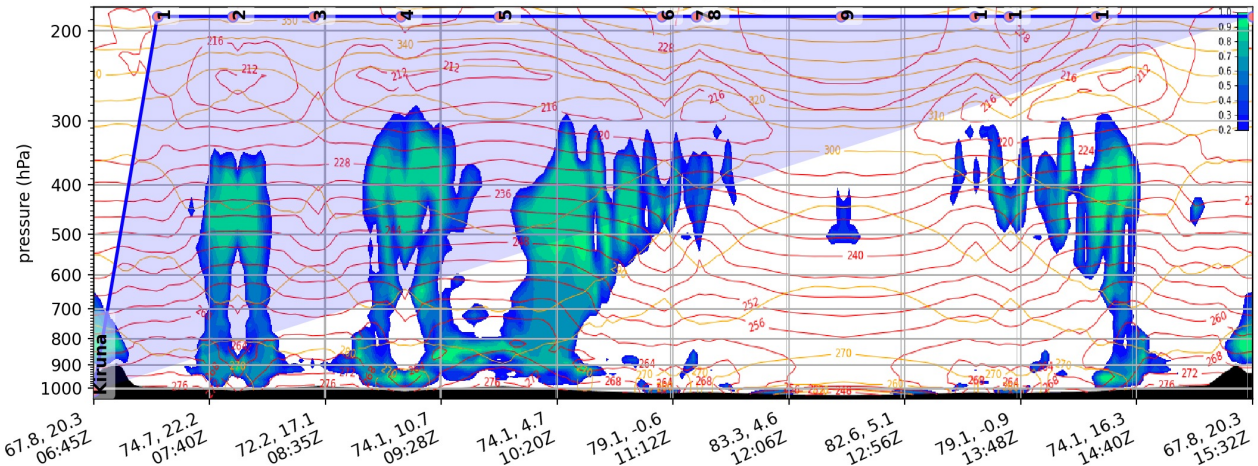
Cloud Cover (0-1) and Mean Sea Level Pressure (hPa) (TOT)  
 Valid: 2022-04-10T12:00:00Z (initialisation: 2022-04-09T12:00:00Z)



Cloud Cover (0-1) and Mean Sea Level Pressure (hPa) (TOT)  
 Valid: 2022-04-10T12:00:00Z (initialisation: 2022-04-09T12:00:00Z)



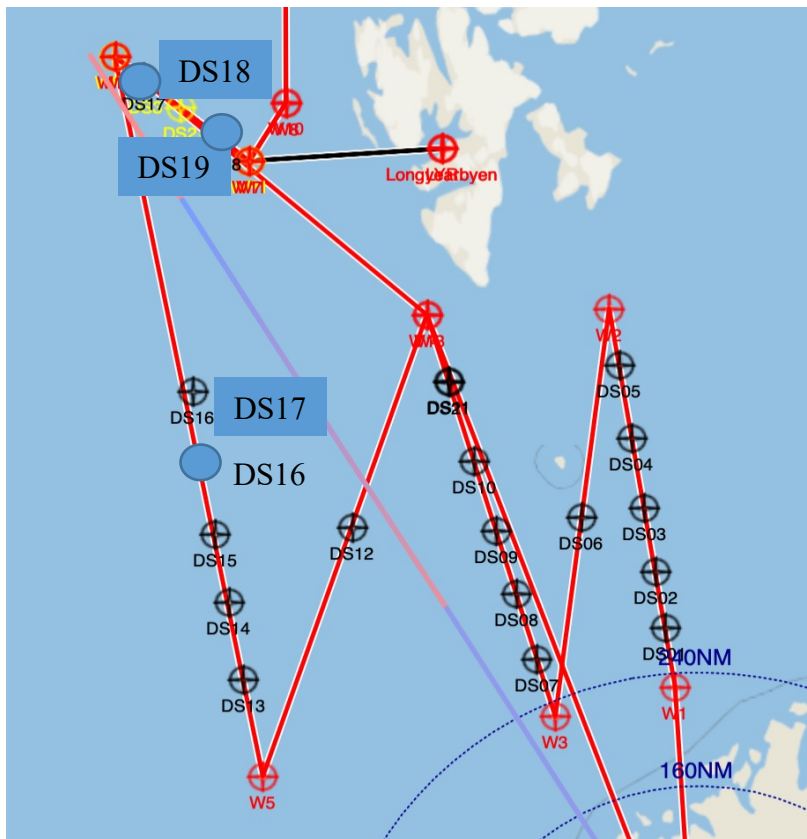
Cloud Cover (0-1) Vertical Section  
 Valid: 2022-04-10T12:00:00Z (initialisation: 2022-04-09T12:00:00Z)





## Coordinates: final (updated) submitted to DLR

	Location	Lat (+-90)	Lon (+-180)	Flightlevel	Pressure (hPa)	Leg dist. (km [nm])	Cum. dist. (km [nm])	Leg time	Cum. time	Time (UTC)
0	Kiruna	67,83	20,33	0	1 013,25	0 [0]	0 [0]	00:00:00	00:00:00	2022-04-06 08:30:34
1		71,67	21,67	400	187,54	430 [232]	430 [232]	00:30:47	00:30:47	2022-04-06 09:01:21
2		76,17	22,5	400	187,54	502 [271]	933 [504]	00:35:56	01:06:44	2022-04-06 09:37:18
3		71,5	17,5	400	187,54	543 [293]	1476 [797]	00:38:49	01:45:33	2022-04-06 10:16:08
4		76,33	14	400	187,54	549 [296]	2026 [1094]	00:39:18	02:24:52	2022-04-06 10:55:26
5		71	7,33	400	187,54	630 [340]	2656 [1434]	00:45:02	03:09:54	2022-04-06 11:40:29
6		79	-3,33	400	187,54	941 [508]	3597 [1942]	01:07:16	04:17:10	2022-04-06 12:47:45
7		78,17	5	400	187,54	206 [111]	3803 [2053]	00:14:44	04:31:55	2022-04-06 13:02:29
8		79	-3,33	400	187,54	206 [111]	4009 [2165]	00:14:44	04:46:39	2022-04-06 13:17:13
9		76,33	14	400	187,54	506 [273]	4516 [2438]	00:36:11	05:22:50	2022-04-06 13:53:25
10	Kiruna	67,83	20,33	400	187,54	973 [525]	5489 [2964]	01:09:33	06:32:24	2022-04-06 15:02:59



Dropsondes:  
22 in total