Trajectory calculations for the HALO-(AC)3 Dry Run | Mar 22nd – 26th

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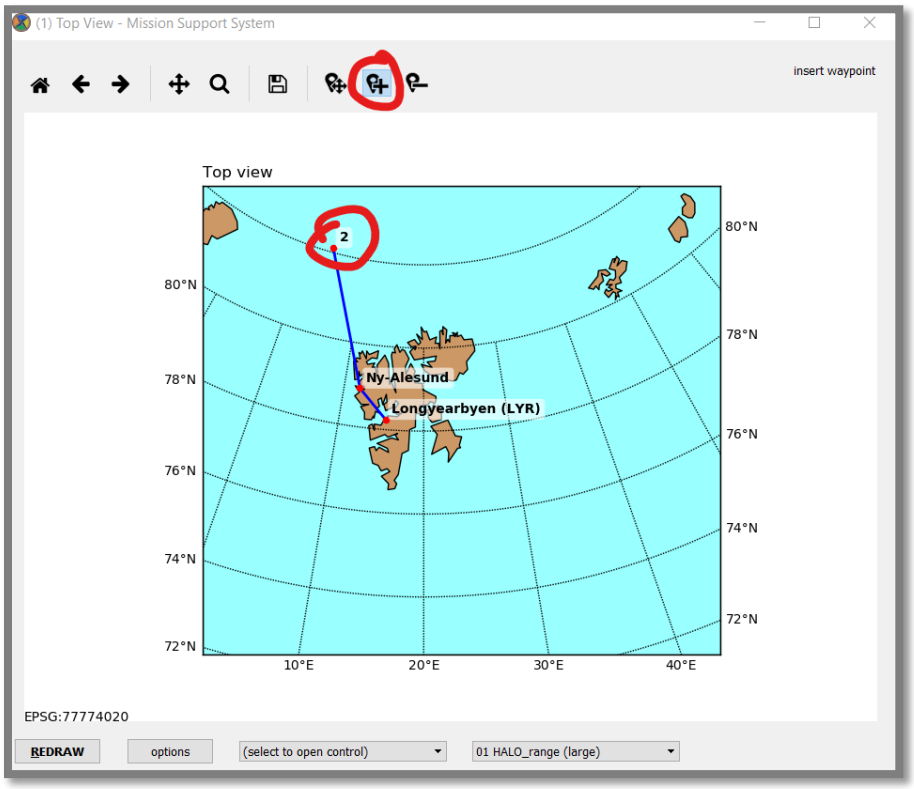
Finding suitable locations

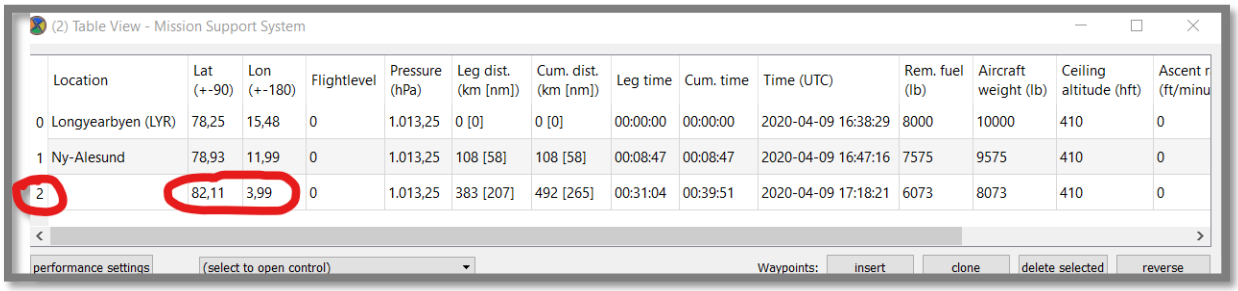
After you found an interesting feature to follow, I need to know:

- **Time**: When should the trajectory start? E.g. "23rd March 2021, 12 UTC"
- **Place**: Where should the trajectory start? E.g. "80.23°N/3.41°E"

You could e.g. set an additional, artificial waypoint on the map:



…and then use the table view (Views – Table View) to show the exact location:



	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 r (ft/minu
0	Longyearbyen (LYR)	78,25	15,48	0	1.013,25	0 [0]	0 [0]	00:00:00	00:00:00	2020-04-09 16:38:29	8000	10000	410	0
1	Ny-Alesund	78,93	11,99	0	1.013,25	108 [58]	108 [58]	00:08:47	00:08:47	2020-04-09 16:47:16	7575	9575	410	0
2		82,11	3,99	0	1.013,25	383 [207]	492 [265]	00:31:04	00:39:51	2020-04-09 17:18:21	6073	8073	410	0

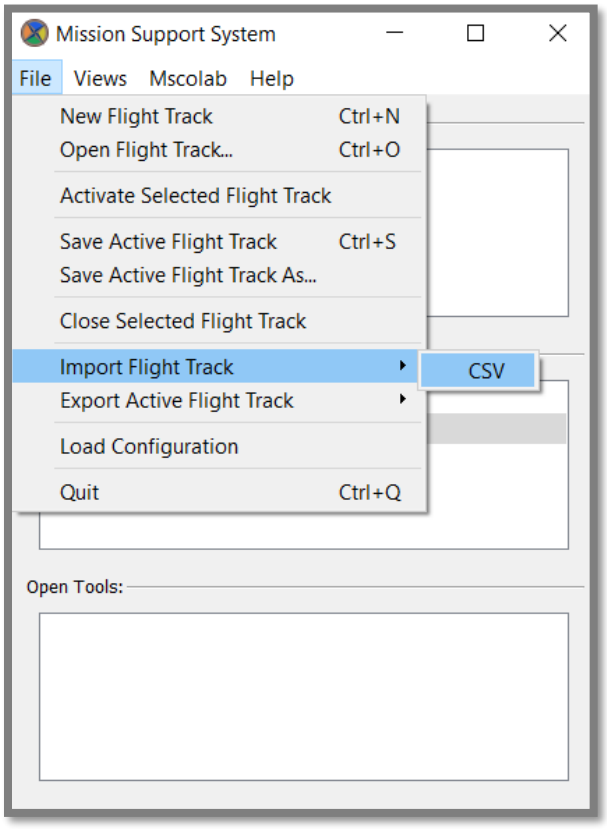
Trajectory calculations

I will then calculate trajectories between 9 am and 1 PM and upload them into the wiki, column "Trajectories":

https://home.uni-leipzig.de/~ehrlich/HALO_AC3_wiki_doku/doku.php?id=briefings_dryrun

Importing trajectories

Once trajectories are calculated, you can import them easily into MSS: File – Import Flight track:



Then simply double klick on the flight track to activate it: