

ACME radio sondes at Princess Elisabeth Antarctica

First launch 06 November 2024

SYSTEM - GRAW receiving station GS-E and radiosonde DFM-09; GRAW software,
Station height 1380 m asl in initialization in system
In ascii files start height is meter above sea level

DATE	REMARKS
06 Nov 2024	launch hh:mm UT – TA350 balloon / up to 12.5 km / software time not correct
08 Nov 2024	launch hh:mm UT – TA350 balloon / up to 12.3 km / software time not correct
11 Nov 2024	launch 12:00 UT – TA350 balloon / up to 10.5 km / time ok
13 Nov 2024	launch 12:00 UT – TA350 balloon / up to only 3 km, ascent very slow
15 Nov 2024	launch 12:00 UT – TA350 balloon / up to 10.7 km
27 Nov 2024	launch 12:00 UT – TA350 balloon / up to 12 km /
29 Nov 2024	launch 12:00 UT – TA350 balloon / up to 29.5 km /
02 Dec 2024	launch 12:00 UT – TA350 balloon / up to 26.3 km / humid
04 Dec 2024	launch 12:00 UT – TA350 balloon / up to 29.8 km /
06 Dec 2024	launch 12:00 UT – TA350 balloon / up to 28.2 km /
09 Dec 2024	launch 12:00 UT – TA350 balloon / up to 28.2 km / humid up to around 4km, then inversion and dry
11 Dec 2024	launch 12:00 UT – TA350 balloon / up to 27.5 km / humid
13 Dec 2024	launch 12:00 UT – TA350 balloon / up to 29.5 km /
16 Dec 2024	launch 12:00 UT – TA350 balloon / up to 26.3 km /
18 Dec 2024	launch 12:00 UT – TA350 balloon / up to 27.9 km /
20 Dec 2024	launch 12:00 UT – TA350 balloon / up to 29.6 km
23 Dec 2024	launch 12:00 UT – TA350 balloon / up to 29.8 km /with H2 via renewables !!
24 Dec 2024	launch 18:30 UT – TA350 balloon / up to 28.7 km / with green H2 inauguration
25 Dec 2024	launch 12:00 UT – TA350 balloon / up to 29.5 km /
27 Dec 2024	launch 12:00 UT – TA350 balloon / up to 30.1 km /
30 Dec 2024	launch 12:00 UT – TA350 balloon / up to 24.2 km /
02 Jan 2025	launch 12:00 UT – TA350 balloon / up to 29.8 km /
03 Jan 2025	launch 12:00 UT – TA350 balloon / up to 26.9 km / humid
06 Jan 2025	launch 12:00 UT – TA350 balloon / up to 29.8 km /
08 Jan 2025	launch 12:00 UT – TA350 balloon / up to 29.4 km
10 Jan 2025	launch 12:00 UT – TA350 balloon / up to 30 km / slightly humid
13 Jan 2025	launch 12:00 UT – TA350 balloon / up to 28.7 km / strong wind and turbulence at launch, touching ground of radiosonde, some sensor damaged, Graw programme is not terminating correctly the sounding / recuperated some files via simulation and then reporting, but not all possible / NO humidity
15 Jan 2025	launch 12:00 UT – TA350 balloon / up to 30.1 km
17 Jan 2025	launch 12:00 UT – TA350 balloon / up to 30.8 km /
20 Jan 2025	launch 12:00 UT – TA350 balloon / up to 27.8 km
22 Jan 2025	launch 12:00 UT – TA350 balloon / up to 29.0 km /
24 Jan 2025	launch 12:00 UT – TA350 balloon / Graw programme with issues to retrieve data / recuperated some files via simulation and then reporting, but not all possible / up to 9 km

27 Jan 2025	launch 12:00 UT – TA350 balloon / up to 31.0 km /
29 Jan 2025	launch 12:00 UT – TA350 balloon / up to 27.8 km
31 Jan 2025	launch 12:00 UT – TA350 balloon / up to 28.8 km
03 Feb 2025	launch 12:00 UT – TA350 balloon / up to 29.4 km / strong wind, humid
05 Feb 2025	launch 12:00 UT – TA350 balloon / up to 29.7 km / warm boundary layer
07 Feb 2025	launch 12:00 UT – TA350 balloon / up to 29.3 km
10 Feb 2025	launch 12:00 UT – TA350 balloon / up to 29.0 km
12 Feb 2025	launch 12:00 UT – TA350 balloon / up to 30.9 km
14 Feb 2025	launch 12:00 UT – TA350 balloon / up to 29.6 km / humid upper troposphere
17 Feb 2025	launch 12:00 UT – TA350 balloon / up to 28.4 km
19 Feb 2025	launch 12:00 UT – TA350 balloon / up to 29.6 km
22 Feb 2025	launch 17:35 UT – TA350 balloon / up to 29.6 km