

# ACME radio sondes at Princess Elisabeth Antarctica

## First launch 13 November 2023

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
13 Nov 2023	launch 12:16 UT – TA350 balloon / up to 27 km / gaps in altitude record / humid
15 Nov 2023	launch 12:12 UT – TA350 balloon / up to 28 km /
17 Nov 2023	launch 12:00 UT – TA350 balloon / up to 16 km
20 Nov 2023	launch 13:04 UT – TA350 balloon / up to 28 km / humid upper troposphere
22 Nov 2023	launch 11:51 UT – TA350 balloon / wrong ground pressure / up to 28 km/ altitude data gap 18.9 – 23.6 km
24 Nov 2023	launch 12:00 UT – TA350 balloon / up to 22 km/ altitude data gap 14.3 – 21.3 km
27 Nov 2023	launch 12:01 UT – TA350 balloon / up to only 12 km
29 Nov 2023	launch 12:06 UT – TA350 balloon / up to 28.6 km
01 Dec 2023	launch 11:56 UT – TA350 balloon / up to 28.4 km / humid
04 Dec 2023	launch 11:58 UT – TA350 balloon / up to 29 km / humid troposphere, high wind stratosphere
06 Dec 2023	launch 12:04 UT – TA350 balloon / up to 27.3 km /
08 Dec 2023	launch 11:59 UT – TA350 balloon / up to 26.1 km / very humid
12 Dec 2023	launch 11:55 UT – TA350 balloon / up to 29 km / very humid
14 Dec 2023	launch 12:04 UT – TA350 balloon / up to 15 km / humid upper troposphere
16 Dec 2023	launch 11:59 UT – TA350 balloon / up to 10.6 km
18 Dec 2023	launch 12:03 UT – TA350 balloon, / up to 9.3 km
20 Dec 2023	launch 11:56 UT – TA350 balloon / up to 27.4 km
22 Dec 2023	launch 11:59 UT – TA350 balloon / up to 27.3 km /
25 Dec 2023	launch 12:10 UT – TA350 balloon / up to 28.1 km / gaps in gps altitude
27 Dec 2023	launch 12:14 UT – TA350 balloon / up to 28.3 km /
29 Dec 2023	launch 12:04 UT – TA350 balloon / up to 17.7 km
01 Jan 2024	launch 12:06 UT – TA350 balloon / up to 29.4 km /
03 Jan 2024	launch 11:58 UT – TA350 balloon / up to 28.6 km /
05 Jan 2024	launch 11:51 UT – TA350 balloon / up to 28.4 km /
08 Jan 2024	launch 11:58 UT – TA350 balloon / up to 28.5 km /
10 Jan 2024	launch 11:49 UT – TA350 balloon / up to 26.5 km / short gap of altitude between 20 and 21 km / temperature at launch not correct
12 Jan 2024	launch 11:50 UT – TA350 balloon / up to 13.3 km /
15 Jan 2024	launch 11:54 UT – TA350 balloon / up to 30.2 km / gaps altitude 15 to 18.5 km
17 Jan 2024	launch 11:56 UT – TA350 balloon / up to 16.1 hPa / gaps altitude 11 to 14 km and from 26 km onwards / humid troposphere
19 Jan 2024	launch 11:50 UT – TA350 balloon / up to 28.2 km /
22 Jan 2024	launch 12:09 UT – TA350 balloon / up to 29.8 km /
24 Jan 2024	launch 11:54 UT – TA350 balloon / up to 28.3 km / humid upper troposphere
26 Jan 2024	launch 11:57 UT – TA350 balloon / up to 29.1 km /
29 Jan 2024	launch 12:03 UT – TA350 balloon / up to 17.3 km /
02 Feb 2024	launch 11:54 UT – TA350 balloon / up to 27 km /

**LAST SOUNDING OF THAT SEASON**