
A NASA-funded balloon experiment
has been recovered

1
00:00:02,700 --> 00:00:06,280
What goes up

2
00:00:06,300 --> 00:00:09,810
must come down.

3
00:00:09,830 --> 00:00:14,840
A NASA-funded balloon experiment has been recovered

4
00:00:14,860 --> 00:00:19,020
a year after flying over Antarctica.

5
00:00:19,040 --> 00:00:25,490
In January 2016, the balloon circled around the continent for 12 days

6
00:00:25,510 --> 00:00:30,400
carrying a telescope designed to study the sun.

7
00:00:30,420 --> 00:00:35,520
The telescope measured high-energy particles generated from solar flares

8
00:00:35,540 --> 00:00:41,070
to better understand how these processes can affect satellites and life on Earth.

9
00:00:41,090 --> 00:00:46,250
After the flight, scientists recovered the data vaults,

10
00:00:46,270 --> 00:00:52,190
but due to incoming winter weather, they left the remaining instruments on the ice.

11
00:00:52,210 --> 00:00:58,440
This January, in the Antarctic summer, scientists returned to the landing site

12
00:00:58,460 --> 00:01:03,480
and successfully recovered the instruments and hardware.

13
00:01:03,500 --> 00:01:08,280

Summer is a good time to recover balloon experiments,

14
00:01:08,300 --> 00:01:12,450
and also to launch them.

15
00:01:12,470 --> 00:01:17,210
The sun doesn’t set for a few months in the Antarctic summer,

16
00:01:17,230 --> 00:01:21,480
which allows instruments to observe the sun continuously.

17
00:01:21,500 --> 00:01:26,290
Winds in the stratosphere blow in a circular path around the pole

18
00:01:26,310 --> 00:01:31,060
allowing missions to return roughly to the place they were launched.

19
00:01:31,080 --> 00:01:34,000
With a successful recovery,