



1

00:00:03,050 --> 00:00:07,890

This balloon is attempting a record-breaking journey.

2

00:00:07,910 --> 00:00:12,680

NASA has successfully launched a super pressure balloon in New Zealand

3

00:00:12,700 --> 00:00:16,390

to orbit Earth for as long as possible targeting 100 days.

4

00:00:16,410 --> 00:00:20,020

The current NASA record is 54 days.

5

00:00:20,040 --> 00:00:24,210

The flight is testing new balloon technology

6

00:00:24,230 --> 00:00:27,910

that enables long flights in the upper atmosphere.

7

00:00:27,930 --> 00:00:34,870

These flights allow long observations on science phenomena.

8

00:00:34,890 --> 00:00:39,690

At 110,000 feet the balloon's instruments will detect gamma rays

9

00:00:39,710 --> 00:00:44,630

which are emitted from black holes and exploding stars.

10

00:00:47,060 --> 00:00:51,760

It will also record newly discovered sounds in the atmosphere.

11

00:00:51,780 --> 00:00:56,660

It's not your average balloon.

12

00:00:56,680 --> 00:01:02,790

The weight of the balloon and payload is 10,241 lbs, which is roughly 10 grand pianos.

13

00:01:02,810 --> 00:01:07,900

When fully inflated, the balloon can fit a football stadium inside.