



1
00:00:00,800 --> 00:00:03,033
Tropical Cyclone Freddy has become

2
00:00:03,033 --> 00:00:04,633
the longest-lived named

3
00:00:04,633 --> 00:00:06,233
tropical cyclone ever,

4
00:00:06,233 --> 00:00:07,666
beating out Hurricane--and

5
00:00:07,666 --> 00:00:10,366
then Typhoon--John back in the 1990s.

6
00:00:10,600 --> 00:00:12,033
Freddy formed between

7
00:00:12,033 --> 00:00:13,500
Indonesia and Australia,

8
00:00:13,500 --> 00:00:16,066
and then headed nearly straight west.

9
00:00:16,066 --> 00:00:17,700
Its intensity fluctuated,

10
00:00:17,700 --> 00:00:18,900
but at one point

11
00:00:18,900 --> 00:00:20,400
became the first Category

12
00:00:20,400 --> 00:00:24,000
5 tropical cyclone in 2023.

13
00:00:24,966 --> 00:00:26,300

Freddy was so long-lived

14

00:00:26,300 --> 00:00:28,833

because the ocean during its entire

15

00:00:28,833 --> 00:00:30,300

track was very warm

16

00:00:30,300 --> 00:00:32,533

and because the steering currents

17

00:00:32,533 --> 00:00:33,633

over the vast

18

00:00:33,633 --> 00:00:35,100

expanses of the Indian Ocean

19

00:00:35,100 --> 00:00:36,500

took it pretty much straight

20

00:00:36,500 --> 00:00:38,066

east to west.

21

00:00:38,333 --> 00:00:40,433

After crossing the Indian Ocean,

22

00:00:40,433 --> 00:00:42,800

Freddy crashed into Madagascar,

23

00:00:42,800 --> 00:00:44,100

causing a lot of damage,

24

00:00:44,100 --> 00:00:45,166

and then continued

25

00:00:45,166 --> 00:00:47,200

and made landfall in Mozambique,

26

00:00:47,200 --> 00:00:47,766

where it caused

27

00:00:47,766 --> 00:00:48,766

additional damage due

28

00:00:48,766 --> 00:00:51,133

to flooding and landslides.

29

00:00:51,133 --> 00:00:52,700

By the time it got to Mozambique,

30

00:00:52,700 --> 00:00:54,533

the steering currents in the atmosphere

31

00:00:54,533 --> 00:00:55,533

had decreased.

32

00:00:55,533 --> 00:00:57,600

So Freddy sort of wandered around back

33

00:00:57,600 --> 00:00:58,866

over the Mozambique Channel,

34

00:00:58,866 --> 00:01:01,266

almost back to Madagascar.

35

00:01:02,633 --> 00:01:04,033

Then it restrengthened

36

00:01:04,033 --> 00:01:06,266

and made another landfall in Mozambique

37

00:01:06,266 --> 00:01:06,900

where it caused

38

00:01:06,900 --> 00:01:09,433

additional damage and fatalities.

39

00:01:09,433 --> 00:01:11,700

The IMERG precipitation dataset

40

00:01:11,700 --> 00:01:14,900

lets us monitor the rainfall that Freddy

41

00:01:14,900 --> 00:01:16,333

and other systems produce,