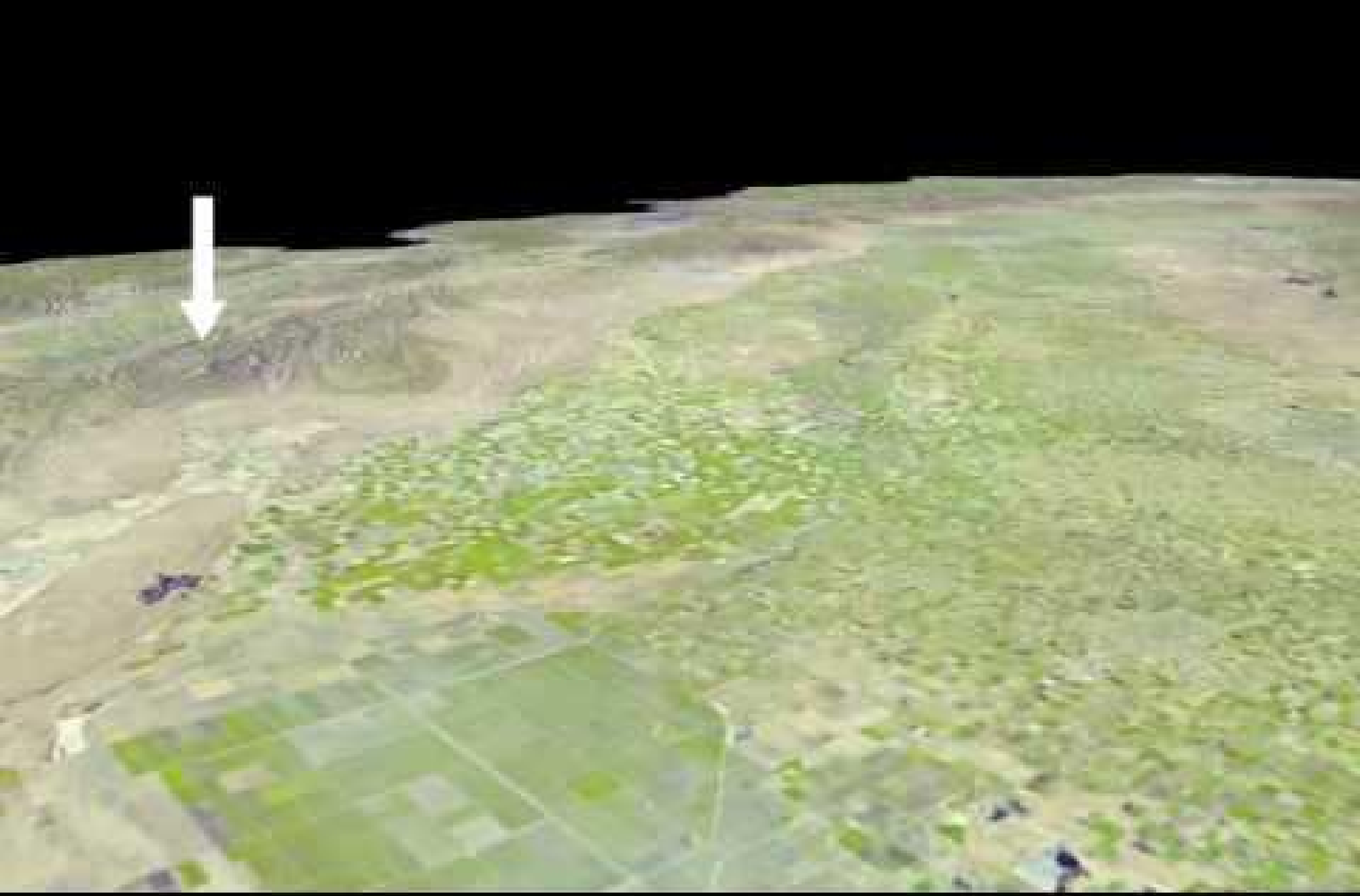

1
00:00:04,670 --> 00:00:02,720
my name is Michael Abrams i work at

2
00:00:08,179 --> 00:00:04,680
NASA's Jet Propulsion Laboratory in

3
00:00:11,180 --> 00:00:08,189
Pasadena California I am the US pastor

4
00:00:14,600 --> 00:00:11,190
science team leader we'll begin our fly

5
00:00:17,060 --> 00:00:14,610
over the state of California around the

6
00:00:19,519 --> 00:00:17,070
Southern California area and Catalina

7
00:00:21,410 --> 00:00:19,529
Island we're only looking at the state

8
00:00:23,359 --> 00:00:21,420
of California here for you to get an

9
00:00:26,630 --> 00:00:23,369
idea of what this data set looks like

10
00:00:28,880 --> 00:00:26,640
this is part of the Aster digital

11
00:00:30,710 --> 00:00:28,890
topography data set and then the color

12
00:00:33,979 --> 00:00:30,720
image that's draped over it is also

13
00:00:36,740 --> 00:00:33,989

derived from aster optical data the

14
00:00:38,959 --> 00:00:36,750
speed will fly at is about the time it

15
00:00:41,150 --> 00:00:38,969
actually takes the satellite to cover

16
00:00:43,400 --> 00:00:41,160
the same amount of distance at the

17
00:00:45,830 --> 00:00:43,410
bottom is the island of Catalina with

18
00:00:48,260 --> 00:00:45,840
some clouds on its southern shore we

19
00:00:51,680 --> 00:00:48,270
turn over the palace ferdi Peninsula and

20
00:00:53,569 --> 00:00:51,690
the LA basin the downtown area we're

21
00:00:54,500 --> 00:00:53,579
pointing directly now at the San Gabriel

22
00:00:56,450 --> 00:00:54,510
Mountains and the Jet Propulsion

23
00:00:59,240 --> 00:00:56,460
Laboratory where I'm sitting right now

24
00:01:02,150 --> 00:00:59,250
the sharp boundary between mountains and

25
00:01:04,460 --> 00:01:02,160
desert is the San Andreas Fault the San

26
00:01:06,380 --> 00:01:04,470
Joaquin Valley the Great Valley as it's

27
00:01:09,469 --> 00:01:06,390
called occupies most of the state of

28
00:01:11,690 --> 00:01:09,479
California the San Andreas Fault a sharp

29
00:01:13,820 --> 00:01:11,700
trench forms the boundary between the

30
00:01:17,690 --> 00:01:13,830
Pacific plate on the west and the North

31
00:01:20,090 --> 00:01:17,700
America play on the east approaching now

32
00:01:22,130 --> 00:01:20,100
the San Francisco Bay Area San Andreas

33
00:01:24,620 --> 00:01:22,140
Fault is sharply defined in the

34
00:01:27,499 --> 00:01:24,630
foreground we can see San Andreas lake

35
00:01:29,420 --> 00:01:27,509
from which the fault was named or

36
00:01:31,399 --> 00:01:29,430
approaching the San Francisco Bay

37
00:01:35,660 --> 00:01:31,409
Peninsula and crossing the Golden Gate

38
00:01:37,520 --> 00:01:35,670

Bridge going into Marin County now as we

39
00:01:41,539 --> 00:01:37,530
proceed into Northern California we

40
00:01:43,850 --> 00:01:41,549
cross like almond lure in the far

41
00:01:47,090 --> 00:01:43,860
distance the hill you see on the horizon

42
00:01:50,300 --> 00:01:47,100
is Mount Shasta rising to over 14,000

43
00:01:52,100 --> 00:01:50,310
feet most of it is above the tree line

44
00:01:55,490 --> 00:01:52,110
so you don't get the green color of the

45
00:01:59,300 --> 00:01:55,500
vegetation snow covered the entire year

46
00:02:03,700 --> 00:01:59,310
with glaciers Mount Shasta one of the

47
00:02:08,150 --> 00:02:06,770
with chasteneth a smaller volcano on its