
6

1
00:00:02,160 --> 00:00:07,560
When the JPL scientists realized that Headquarters NASA was interested in us

2
00:00:07,860 --> 00:00:13,880
responding with this synthetic aperture radar to take a look at this disaster going on with the fires in the area.

3
00:00:14,440 --> 00:00:21,869
We were tasked to bring NASA Armstrong C-20 that carries the UAVSAR pod and then we quickly put this plan

4
00:00:22,210 --> 00:00:23,890
fly over these

5
00:00:23,890 --> 00:00:25,890
fires tonight.

6
00:00:26,769 --> 00:00:30,419
So we've been flying over this area since 2009 to study earthquakes.

7
00:00:30,420 --> 00:00:34,290
But it turns out that this technology can also be used to measure any kind of ground

8
00:00:34,690 --> 00:00:41,489
disruption or motion and the wildfires caused that so we can look at before and after image pairs to see the diff

9
00:00:41,620 --> 00:00:43,620
map where the fire scars are.

10
00:00:45,370 --> 00:00:49,469
Part of the reason that we're flying this precise line over this piece of

11
00:00:50,050 --> 00:00:57,809
geography is we can repeat this and put this radar through the exact same space again within a few feet.

12
00:00:58,510 --> 00:01:04,439
So what we can do is actually delineate the fire scar based on this match of before and after images.