LANDSAT 9 DATA IS AVAILABLE!

1
00:00:10,629 --> 00:00:07,909
so it's really exciting to have landsat

2
00:00:12,709 --> 00:00:10,639
9 data being released for the first time

3
00:00:14,870 --> 00:00:12,719
this is the culmination of

4
00:00:16,790 --> 00:00:14,880
really six or seven years of mission

5
00:00:19,029 --> 00:00:16,800
development everything we see the the

6
00:00:21,429 --> 00:00:19,039
data quality looks fantastic and and

7
00:00:24,630 --> 00:00:21,439
operationally it's now collecting

8
00:00:27,349 --> 00:00:24,640
as much data as landsat 8 does

9
00:00:30,550 --> 00:00:27,359
landsat is a partnership between nasa

10
00:00:33,590 --> 00:00:30,560
and the usgs u.s geological survey

11
00:00:35,430 --> 00:00:33,600
and nasa builds these satellites and

12
00:00:38,790 --> 00:00:35,440
launches them and checks them out we

13
00:00:40,709 --> 00:00:38,800

lead that aspect of it usgs leads

14
00:00:43,190 --> 00:00:40,719
development of the ground system and

15
00:00:45,590 --> 00:00:43,200
mission operations

16
00:00:48,310 --> 00:00:45,600
and liftoff

17
00:00:50,470 --> 00:00:48,320
liftoff of an atlas 5 rocket and landsat

18
00:00:54,869 --> 00:00:50,480
9. well after we launched on september

19
00:00:56,630 --> 00:00:54,879
27th of 2021 uh we uh spent a little

20
00:00:58,470 --> 00:00:56,640
over three months checking out the

21
00:01:00,709 --> 00:00:58,480
satellite on orbit and the ground and

22
00:01:03,670 --> 00:01:00,719
operation system as well

23
00:01:05,990 --> 00:01:03,680
i can't be more proud of this team to to

24
00:01:08,390 --> 00:01:06,000
bring this mission into its operational

25
00:01:10,789 --> 00:01:08,400
phase the team has just built a

26
00:01:13,670 --> 00:01:10,799
wonderful satellite and

27
00:01:14,550 --> 00:01:13,680
wonderful operations and grout system

28
00:01:17,510 --> 00:01:14,560
and

29
00:01:18,550 --> 00:01:17,520
the the data that it produces is just

30
00:01:22,149 --> 00:01:18,560
spectacular

31
00:01:23,910 --> 00:01:22,159
[Music]

32
00:01:25,670 --> 00:01:23,920
and so it means that we have really two

33
00:01:27,830 --> 00:01:25,680
top quality observatories on orbit at

34
00:01:30,149 --> 00:01:27,840
the same time which doubles the temporal

35
00:01:32,149 --> 00:01:30,159
frequency that people can can get this

36
00:01:34,789 --> 00:01:32,159
really excellent data now every eight

37
00:01:38,149 --> 00:01:34,799
days and so for things like monitoring

38
00:01:39,990 --> 00:01:38,159

agriculture monitoring water resources

39
00:01:41,830 --> 00:01:40,000
anything there where you really want

40
00:01:43,749 --> 00:01:41,840
that temporal repeat

41
00:01:45,749 --> 00:01:43,759
um it's going to be fantastic to have

42
00:01:49,429 --> 00:01:45,759
two of these as i say top quality

43
00:01:52,550 --> 00:01:49,439
observatories on orbit at the same time

44
00:01:54,950 --> 00:01:52,560
so what i'm extremely excited about is

45
00:01:57,830 --> 00:01:54,960
that now with landsat's nine's um

46
00:02:00,230 --> 00:01:57,840
exceptional calibration and its wide

47
00:02:03,830 --> 00:02:00,240
dynamic range that's very comparable to

48
00:02:06,389 --> 00:02:03,840
landsat 8 we're going to get uh data uh

49
00:02:08,869 --> 00:02:06,399
that has excellent performance at low

50
00:02:09,749 --> 00:02:08,879
signal levels and then across a really

51
00:02:11,670 --> 00:02:09,759
high

52
00:02:13,110 --> 00:02:11,680
signal levels where you have bright

53
00:02:15,750 --> 00:02:13,120
targets

54
00:02:17,990 --> 00:02:15,760
we know uh the data is well calibrated

55
00:02:20,630 --> 00:02:18,000
because then we can monitor

56
00:02:23,910 --> 00:02:20,640
the instruments on orbit and then we can

57
00:02:29,270 --> 00:02:23,920
actually run ground campaigns um as the

58
00:02:34,390 --> 00:02:31,350
these types of observations are really

59
00:02:37,030 --> 00:02:34,400
designed to verify and characterize and

60
00:02:40,070 --> 00:02:37,040
validate the quality of the data

61
00:02:42,630 --> 00:02:40,080
and so i guess what i would say is that

62
00:02:45,910 --> 00:02:42,640
there have been a lot of people working

63
00:02:49,270 --> 00:02:45,920

a lot of hours in order to be able to

64
00:02:54,150 --> 00:02:49,280
deliver this high quality landsat 9

65
00:02:55,990 --> 00:02:54,160
science data as quickly as possible

66
00:02:57,670 --> 00:02:56,000
everything we've seen the data quality

67
00:03:00,309 --> 00:02:57,680
looks fantastic

68
00:03:02,470 --> 00:03:00,319
we have better data quality in fact than

69
00:03:04,149 --> 00:03:02,480
we did with landsat 8. so i'm really

70
00:03:05,750 --> 00:03:04,159
excited to see what people are able to

71
00:03:07,110 --> 00:03:05,760
do with the data set now that is out