



14:19 07/27/09

1  
00:00:07,110 --> 00:00:03,510  
lc this is the ld we are go for launch

2  
00:00:09,509 --> 00:00:07,120  
and liftoff of the delta iv rocket with

3  
00:00:12,870 --> 00:00:09,519  
go zone we're at kennedy space today is

4  
00:00:17,109 --> 00:00:12,880  
june 27th 2009.

5  
00:00:17,119 --> 00:00:32,470  
severe weather

6  
00:00:37,750 --> 00:00:35,830  
exactly a month ago on june 27th nasa

7  
00:00:39,990 --> 00:00:37,760  
launched a new and improved weather

8  
00:00:42,470 --> 00:00:40,000  
satellite code goes-o

9  
00:00:45,910 --> 00:00:42,480  
now that goes o is safely into its orbit

10  
00:00:47,990 --> 00:00:45,920  
it has been renamed to ghost 14. today

11  
00:00:50,869 --> 00:00:48,000  
i'm at noaa satellite operations

12  
00:00:53,029 --> 00:00:50,879  
facility in suitland maryland where nasa

13  
00:00:55,910 --> 00:00:53,039

and noaa will be releasing the very

14

00:00:58,470 --> 00:00:55,920

first image from ghost 14 and one of the

15

00:01:00,869 --> 00:00:58,480

things that ghost 14 will be doing is

16

00:01:02,950 --> 00:01:00,879

providing weather forecasters with

17

00:01:05,670 --> 00:01:02,960

images with greater stability and

18

00:01:07,429 --> 00:01:05,680

resolution so let's go in and see the

19

00:01:12,390 --> 00:01:07,439

first image and talk to noaa

20

00:01:13,910 --> 00:01:12,400

meteorologist tom rankivens about it

21

00:01:16,550 --> 00:01:13,920

we're seeing the first visible image

22

00:01:18,310 --> 00:01:16,560

from goes 14 here in a suitland

23

00:01:20,149 --> 00:01:18,320

national satellite operations facility

24

00:01:21,749 --> 00:01:20,159

launch control room

25

00:01:23,670 --> 00:01:21,759

we see some thunderstorms in the

26  
00:01:25,590 --> 00:01:23,680  
oklahoma texas area i've been dropping

27  
00:01:27,109 --> 00:01:25,600  
an inch or more of rain through today

28  
00:01:28,390 --> 00:01:27,119  
some thunderstorms off the east coast

29  
00:01:29,830 --> 00:01:28,400  
we're seeing

30  
00:01:31,910 --> 00:01:29,840  
as we see more and more of the atlantic

31  
00:01:33,910 --> 00:01:31,920  
ocean coming in to the right side of the

32  
00:01:36,230 --> 00:01:33,920  
screen we've seen absence of tropical

33  
00:01:38,149 --> 00:01:36,240  
activity been very quiet this year

34  
00:01:39,749 --> 00:01:38,159  
so what is exciting about today what are

35  
00:01:41,109 --> 00:01:39,759  
we seeing in the background well today

36  
00:01:43,510 --> 00:01:41,119  
for the first time we see a whole disk

37  
00:01:44,870 --> 00:01:43,520  
image it took 30 minutes to come in

38  
00:01:46,469 --> 00:01:44,880

and it's exciting it's the very first

39

00:01:48,630 --> 00:01:46,479

full disc image from the satellite that

40

00:01:50,789 --> 00:01:48,640

just launched nearly a month ago so how

41

00:01:52,550 --> 00:01:50,799

high is the resolution of this image the

42

00:01:55,190 --> 00:01:52,560

resolution for the visible pixels you

43

00:01:56,709 --> 00:01:55,200

can see one kilometer pixels on the

44

00:01:58,230 --> 00:01:56,719

ground which equates to if you're

45

00:02:00,469 --> 00:01:58,240

standing seven football fields away

46

00:02:02,550 --> 00:02:00,479

taking a picture of a dime so seeing

47

00:02:05,510 --> 00:02:02,560

those images at one kilometer you can

48

00:02:07,590 --> 00:02:05,520

really focus in on forest fires

49

00:02:10,630 --> 00:02:07,600

snowfall hurricane tracking severe

50

00:02:12,869 --> 00:02:10,640

weather tracking from far away in space

51  
00:02:14,949 --> 00:02:12,879  
and you said far away in space then how

52  
00:02:17,270 --> 00:02:14,959  
does this satellite take these stable

53  
00:02:19,589 --> 00:02:17,280  
images it's over 22 000 miles away from

54  
00:02:21,270 --> 00:02:19,599  
earth and to get stable images or star

55  
00:02:23,030 --> 00:02:21,280  
trackers on board a very sophisticated

56  
00:02:24,550 --> 00:02:23,040  
spacecraft so when you look at a series

57  
00:02:26,550 --> 00:02:24,560  
of images you can see the clouds where

58  
00:02:29,110 --> 00:02:26,560  
features move but the land beneath it

59  
00:02:31,990 --> 00:02:29,120  
stays stable do you recall any very

60  
00:02:33,430 --> 00:02:32,000  
exciting images from the previous ghost

61  
00:02:34,790 --> 00:02:33,440  
missions can you tell me a little bit

62  
00:02:36,630 --> 00:02:34,800  
several years ago i do recall seeing

63  
00:02:38,869 --> 00:02:36,640

hurricane katrina i was very impressive

64

00:02:40,550 --> 00:02:38,879

from satellite imagery and that picture

65

00:02:42,229 --> 00:02:40,560

got the word out help the hurricane

66

00:02:44,309 --> 00:02:42,239

forecasters and help the general public

67

00:02:46,790 --> 00:02:44,319

realize and identify there's a very

68

00:02:48,790 --> 00:02:46,800

severe situation on hand and helped get

69

00:02:50,070 --> 00:02:48,800

the word out for people to evacuate so

70

00:02:51,750 --> 00:02:50,080

seeing those pictures of hurricane

71

00:02:53,830 --> 00:02:51,760

katrina or other hurricanes or severe

72

00:02:54,710 --> 00:02:53,840

weather really gets a message across to

73

00:02:57,270 --> 00:02:54,720

to

74

00:02:59,270 --> 00:02:57,280

of the importance of the weather so you

75

00:03:01,030 --> 00:02:59,280

must feel like you're part of something

76

00:03:02,229 --> 00:03:01,040

making a difference we sure are we're

77

00:03:03,670 --> 00:03:02,239

definitely making a difference every day

78

00:03:04,630 --> 00:03:03,680

providing these great images to the

79

00:03:07,270 --> 00:03:04,640

public