1
00:00:07,160 --> 00:00:29,060
you

2
00:00:35,610 --> 00:00:33,060
that's beautiful after the highly

3
00:00:38,100 --> 00:00:35,620
successful 7th shuttle mission featuring

4
00:00:40,110 --> 00:00:38,110
America's first model in space first

5
00:00:42,150 --> 00:00:40,120
food pictures of the show flying on

6
00:00:44,400 --> 00:00:42,160
orbit and the launcher to commercial

7
00:00:47,400 --> 00:00:44,410
satellites Challenger is ready to fly

8
00:00:48,990 --> 00:00:47,410
again STS eight will include a night

9
00:00:51,600 --> 00:00:49,000
launch and landing with liftoff

10
00:00:53,310 --> 00:00:51,610
scheduled for august 30 mission 8 will

11
00:00:55,649 --> 00:00:53,320
again use a five-member team of

12
00:00:58,259 --> 00:00:55,659
astronauts with Richard truly of Fayette

13
00:01:00,840 --> 00:00:58,269

Mississippi as commander truly was pilot

14
00:01:04,049 --> 00:01:00,850
of STS to a test flight of mortgages

15
00:01:06,510 --> 00:01:04,059
Columbia in November 1981 as the volanth

16
00:01:11,190 --> 00:01:06,520
I think it's going to be a spectacular

17
00:01:12,539 --> 00:01:11,200
view but as far as procedures there they

18
00:01:15,060 --> 00:01:12,549
really don't change with the night

19
00:01:17,180 --> 00:01:15,070
launch the landing is different however

20
00:01:19,190 --> 00:01:17,190
during Brandon staying on

21
00:01:21,110 --> 00:01:19,200
of flight test with a number of other

22
00:01:24,920 --> 00:01:21,120
people in developing and night lighting

23
00:01:26,870 --> 00:01:24,930
scheme and we will have it in place at

24
00:01:29,420 --> 00:01:26,880
all the late insights both in being

25
00:01:31,910 --> 00:01:29,430
Edwards and in Norfolk 40 year old Dan

26
00:01:33,710 --> 00:01:31,920
brandenstein will serve as pilot on sts

27
00:01:37,130 --> 00:01:33,720
eight he described the photo

28
00:01:39,920 --> 00:01:37,140
documentation for the flight well we're

29
00:01:42,820 --> 00:01:39,930
taking quite a bit of a film along to

30
00:01:45,740 --> 00:01:42,830
take pictures and as in previous flights

31
00:01:47,540 --> 00:01:45,750
we take a lot of pictures of both the

32
00:01:49,670 --> 00:01:47,550
ocean and the earth a night launch

33
00:01:51,200 --> 00:01:49,680
drives us to a in the southern

34
00:01:52,310 --> 00:01:51,210
hemisphere where in daylight essentially

35
00:01:54,080 --> 00:01:52,320
all the time and in the northern

36
00:01:56,680 --> 00:01:54,090
hemisphere winter dark so we'll be

37
00:01:58,640 --> 00:01:56,690
seeing parts of South America and

38
00:02:00,580 --> 00:01:58,650

Australia that haven't been seen by

39
00:02:02,300 --> 00:02:00,590
previous crews and the both the

40
00:02:04,760 --> 00:02:02,310
oceanographers are interested in the

41
00:02:06,170 --> 00:02:04,770
ocean around these areas and geologists

42
00:02:09,620 --> 00:02:06,180
are interested in some of the land

43
00:02:12,300 --> 00:02:09,630
mission specialist David garden Iowa we

44
00:02:14,790 --> 00:02:12,310
lose the remote manipulator

45
00:02:17,850 --> 00:02:14,800
Frank cast article will explain one

46
00:02:21,180 --> 00:02:17,860
purpose of this simulated satellite the

47
00:02:23,610 --> 00:02:21,190
shape of it is supposed to simulate a

48
00:02:25,559 --> 00:02:23,620
payroll that's coming along on sds 13

49
00:02:31,170 --> 00:02:25,569
called the ram duration exposure

50
00:02:33,180 --> 00:02:31,180
facility lvf that they wrote is so large

51
00:02:36,270 --> 00:02:33,190
that the crew is going to be unable to

52
00:02:39,030 --> 00:02:36,280
see from the a flight back the attached

53
00:02:41,850 --> 00:02:39,040
points where the LDF attaches to the

54
00:02:43,860 --> 00:02:41,860
orbiter solera task is never going to be

55
00:02:45,690 --> 00:02:43,870
to attempt to unbirth it out of the

56
00:02:47,370 --> 00:02:45,700
payload bay berthoud back in the payload

57
00:02:49,920 --> 00:02:47,380
bay with those visual restrictions

58
00:02:51,420 --> 00:02:49,930
similar to that whether flight mission

59
00:02:53,160 --> 00:02:51,430
specialist guy and blueford of

60
00:02:55,020 --> 00:02:53,170
philadelphia pennsylvania will be the

61
00:02:57,479 --> 00:02:55,030
first black American to fly in space

62
00:02:59,009 --> 00:02:57,489
he's primarily responsible for the

63
00:03:02,910 --> 00:02:59,019

deployment of a commercial satellite

64
00:03:04,860 --> 00:03:02,920
called incense once that is Indian

65
00:03:06,870 --> 00:03:04,870
satellite it's a communication satellite

66
00:03:09,780 --> 00:03:06,880
that's going to be used by the Indian

67
00:03:12,809 --> 00:03:09,790
government to broadcast communications

68
00:03:15,050 --> 00:03:12,819
throughout the Indian Peninsula it's

69
00:03:18,180 --> 00:03:15,060
also then be used as a weather satellite

70
00:03:20,880 --> 00:03:18,190
to map the Indian Peninsula with

71
00:03:23,550 --> 00:03:20,890
reference to weather and also be able to

72
00:03:26,490 --> 00:03:23,560
relay that information to remote areas

73
00:03:28,500 --> 00:03:26,500
of India we inform is a mission

74
00:03:30,930 --> 00:03:28,510
specialist and medical doctor who will

75
00:03:33,180 --> 00:03:30,940
be coming on research into the effect of

76
00:03:35,250 --> 00:03:33,190
weightlessness on astronauts and the

77
00:03:38,550 --> 00:03:35,260
sickness that sometimes elevated cars

78
00:03:41,300 --> 00:03:38,560
adjustment well just a large JK what are

79
00:03:43,830 --> 00:03:41,310
you doing is an in-flight investigation

80
00:03:48,750 --> 00:03:43,840
that would be very similar to what

81
00:03:52,120 --> 00:03:48,760
someone would get here on earth if you

82
00:03:55,390 --> 00:03:52,130
went into a specialists office and said

83
00:03:58,690 --> 00:03:55,400
that darn I get dizzy can you tell me

84
00:04:01,180 --> 00:03:58,700
why I have simply translated these

85
00:04:04,240 --> 00:04:01,190
ordinary clinical investigations that

86
00:04:05,590 --> 00:04:04,250
are done into hardware that the

87
00:04:06,880 --> 00:04:05,600
measurements can be made in

88
00:04:09,370 --> 00:04:06,890

weightlessness so that we can

89
00:04:11,740 --> 00:04:09,380
characterize what's going on space

90
00:04:14,050 --> 00:04:11,750
shuttle 8 and night launch and a night