
LAT = -51.5
INC = 51.6
LON= 39.5
D/N: 0:09:01
ALT = 225.6
BETA= 47.1
LAT = -51.2
INC = 51.7
LON= 42.3
D/N: 0:08:29
ALT = 222.6
BETA= 47.1
T3
T2
T1

1
00:00:06,150 --> 00:00:04,470
good day and welcome to mission control

2
00:00:08,790 --> 00:00:06,160
houston where

3
00:00:11,110 --> 00:00:08,800
systems operators are battening down all

4
00:00:12,789 --> 00:00:11,120
their systems following an exciting

5
00:00:15,350 --> 00:00:12,799
morning of

6
00:00:18,390 --> 00:00:15,360
release of the dragon capsule from the

7
00:00:19,750 --> 00:00:18,400
international space station

8
00:00:22,390 --> 00:00:19,760
and supporting the rest of the

9
00:00:24,070 --> 00:00:22,400
activities for the expedition 31 crew on

10
00:00:26,630 --> 00:00:24,080
orbit aboard the international space

11
00:00:28,470 --> 00:00:26,640
station commander oleg kononenko

12
00:00:30,950 --> 00:00:28,480
and his fellow russians gennady padalka

13
00:00:33,670 --> 00:00:30,960

and sergey revin along with americans

14
00:00:35,830 --> 00:00:33,680
don pettit joe acaba and

15
00:00:38,470 --> 00:00:35,840
european space agency astronaut andre

16
00:00:40,389 --> 00:00:38,480
kuipers from the netherlands winding up

17
00:00:42,470 --> 00:00:40,399
a fairly early day for them they woke up

18
00:00:43,590 --> 00:00:42,480
at 11 pm central time instead of the

19
00:00:46,549 --> 00:00:43,600
usual

20
00:00:49,190 --> 00:00:46,559
1 am and we'll be going to bed about 2

21
00:00:50,790 --> 00:00:49,200
30 a.m after a busy day of operations

22
00:00:53,029 --> 00:00:50,800
with the departure of the dragon

23
00:00:55,750 --> 00:00:53,039
spacecraft

24
00:00:59,349 --> 00:00:55,760
kuipers and acaba use canadarm2 to

25
00:01:01,430 --> 00:00:59,359
demate spacex drag and cargo vehicle

26
00:01:05,670 --> 00:01:01,440
from its uh earth-facing port on the

27
00:01:08,710 --> 00:01:05,680
harmony module at uh 307 a.m east

28
00:01:09,910 --> 00:01:08,720
central time today here's a replay video

29
00:01:13,670 --> 00:01:09,920
of that

30
00:01:17,670 --> 00:01:13,680
and then a little bit later acaba and uh

31
00:01:21,830 --> 00:01:17,680
don pettit uh released the spacecraft uh

32
00:01:24,390 --> 00:01:21,840
at 4 49 a.m central time as it two

33
00:01:27,749 --> 00:01:24,400
vehicles passed over the southern ocean

34
00:01:29,749 --> 00:01:27,759
southeast of africa

35
00:01:32,550 --> 00:01:29,759
following that the spacex team in

36
00:01:35,030 --> 00:01:32,560
hawthorne california executed too small

37
00:01:37,270 --> 00:01:35,040
and one large thruster burn to maneuver

38
00:01:39,270 --> 00:01:37,280

a dragon away from the vicinity of the

39
00:01:42,950 --> 00:01:39,280
space station it was a start of about

40
00:01:43,830 --> 00:01:42,960
five hours of uh deorbiting operations

41
00:01:45,749 --> 00:01:43,840
uh

42
00:01:47,830 --> 00:01:45,759
team right now is in the process of

43
00:01:49,830 --> 00:01:47,840
securing the spacecraft for its reentry

44
00:01:52,789 --> 00:01:49,840
through the earth's atmosphere derby

45
00:01:55,350 --> 00:01:52,799
burn schedule for uh

46
00:01:58,550 --> 00:01:55,360
9 51 a.m central time

47
00:02:00,870 --> 00:01:58,560
with splashdown about 470 miles west of

48
00:02:05,749 --> 00:02:00,880
the baja coast of california scheduled

49
00:02:09,669 --> 00:02:07,350
here in mission control the team is

50
00:02:11,670 --> 00:02:09,679
being led right now by uh tony sakachi

51
00:02:13,670 --> 00:02:11,680
the flight director with the hal

52
00:02:15,350 --> 00:02:13,680
getzelman talking to the crew onboard

53
00:02:17,350 --> 00:02:15,360
the space station

54
00:02:19,270 --> 00:02:17,360
sitting with tony socacci is offgoing

55
00:02:20,869 --> 00:02:19,280
flight director holly ridings the lead

56
00:02:22,869 --> 00:02:20,879
flight director for

57
00:02:24,790 --> 00:02:22,879
the spacex dragon mission to the

58
00:02:27,110 --> 00:02:24,800
international space station as she

59
00:02:29,510 --> 00:02:27,120
signed off for the morning she gave a

60
00:02:31,430 --> 00:02:29,520
hearty congratulations to her entire

61
00:02:33,110 --> 00:02:31,440
team that had worked through this long

62
00:02:35,509 --> 00:02:33,120
process of supporting the first

63
00:02:37,110 --> 00:02:35,519

commercial spacecraft to rendezvous and

64
00:02:39,030 --> 00:02:37,120
dock with the international space

65
00:02:41,750 --> 00:02:39,040
station

66
00:02:49,670 --> 00:02:41,760
the dragon spacecraft

67
00:02:58,229 --> 00:02:52,630
of 5 days 16 hours and 5 minutes birth

68
00:03:02,550 --> 00:03:00,949
and is bringing home a set of cargo that

69
00:03:03,830 --> 00:03:02,560
includes

70
00:03:06,149 --> 00:03:03,840
items that will be refurbished for

71
00:03:08,869 --> 00:03:06,159
potential reuse aboard the space station

72
00:03:11,509 --> 00:03:08,879
uh some experiment samples of alloys

73
00:03:13,270 --> 00:03:11,519
that solidified in microgravity and some

74
00:03:16,149 --> 00:03:13,280
other unneeded equipment from the space

75
00:03:19,350 --> 00:03:16,159
station at a test of its capability to

76
00:03:22,869 --> 00:03:19,360
return cargo to earth a major feature of

77
00:03:26,869 --> 00:03:24,869
today the crew also will work with a

78
00:03:28,630 --> 00:03:26,879
variety of other activities the russian

79
00:03:30,789 --> 00:03:28,640
crew members have spent a lot of their

80
00:03:32,869 --> 00:03:30,799
morning replacing

81
00:03:33,990 --> 00:03:32,879
smoke detectors uh nine of the ten that

82
00:03:35,430 --> 00:03:34,000
are planned to be replaced in the

83
00:03:37,430 --> 00:03:35,440
russian segment of the station have been

84
00:03:38,949 --> 00:03:37,440
replaced one more is scheduled to be

85
00:03:41,110 --> 00:03:38,959
replaced tomorrow

86
00:03:43,190 --> 00:03:41,120
and they'll be doing some

87
00:03:46,229 --> 00:03:43,200
work with human research facility

88
00:03:48,309 --> 00:03:46,239

experiments looking at how diet affects

89
00:03:49,910 --> 00:03:48,319
astronauts during long-duration periods

90
00:03:51,990 --> 00:03:49,920
in orbit with

91
00:03:54,149 --> 00:03:52,000
joe acaba getting ready to do his first

92
00:03:55,509 --> 00:03:54,159
set of blood draws and urine collections

93
00:03:57,509 --> 00:03:55,519
in association

94
00:03:59,190 --> 00:03:57,519
with those experiments coming up

95
00:04:00,550 --> 00:03:59,200
tomorrow

96
00:04:02,149 --> 00:04:00,560
otherwise everything working very

97
00:04:04,070 --> 00:04:02,159
smoothly on board the international

98
00:04:06,550 --> 00:04:04,080
space station crew right now in its

99
00:04:09,110 --> 00:04:06,560
midday meal scheduled to pick up and do

100
00:04:11,190 --> 00:04:09,120
some remaining exercise and facility