
format 7
ATV-ISS APPROACH 13:56:55
VM_FA_2
PCE DUPL
THRUST
FA_Z
ACTIVEZ
GSO
FTC
MSU READYAUTO
GZ
RDS READY
KRO
Ya - 0.0
AZM - 0.0
Pa - 0.0
ELV - 0.1
Ra - 0.1
KURS
FMHOLD
ρ 18.5
ρ 27.0
ṗ - 0.04
ṗ - 0.04
NO_FAILURE

1
00:00:19,590 --> 00:00:16,470
this is mission control houston 34 days

2
00:00:21,109 --> 00:00:19,600
15 hours and 52 minutes into the 36th

3
00:00:23,349 --> 00:00:21,119
expedition to the international space

4
00:00:26,230 --> 00:00:23,359
station space station flying in good

5
00:00:28,390 --> 00:00:26,240
shape right now about 258 miles above

6
00:00:30,950 --> 00:00:28,400
the atlantic ocean headed for the west

7
00:00:33,190 --> 00:00:30,960
coast of africa the crew on board busy

8
00:00:35,350 --> 00:00:33,200
with a variety of activities commander

9
00:00:38,389 --> 00:00:35,360
pavel vinogradov is doing maintenance on

10
00:00:40,549 --> 00:00:38,399
the intermodular communications system

11
00:00:43,110 --> 00:00:40,559
while his two russian colleagues

12
00:00:45,430 --> 00:00:43,120
alexander misurkin and fyodor yurchikhin

13
00:00:47,350 --> 00:00:45,440

are studying work zones where they'll be

14
00:00:49,350 --> 00:00:47,360
engaged during the spacewalk that

15
00:00:51,189 --> 00:00:49,360
they're going to conduct next monday

16
00:00:53,830 --> 00:00:51,199
we'll talk more about that later in this

17
00:00:55,830 --> 00:00:53,840
hour flight engineers karen nyberg and

18
00:00:57,590 --> 00:00:55,840
luca parmitano are involved in a

19
00:00:59,750 --> 00:00:57,600
conference with the researchers on the

20
00:01:01,590 --> 00:00:59,760
spinal ultrasound experiment that

21
00:01:03,830 --> 00:01:01,600
they're going to be doing this week

22
00:01:06,390 --> 00:01:03,840
while chris cassidy is preparing for the

23
00:01:08,550 --> 00:01:06,400
surface tele robotics operations that

24
00:01:17,670 --> 00:01:08,560
are going to get started in just a few

25
00:01:21,670 --> 00:01:19,990
it's monday june 17th and the

26
00:01:24,390 --> 00:01:21,680
international space station crew has

27
00:01:26,390 --> 00:01:24,400
been busy with its newest arrival

28
00:01:28,710 --> 00:01:26,400
albert einstein the european space

29
00:01:31,670 --> 00:01:28,720
agency's fourth automated transfer

30
00:01:34,390 --> 00:01:31,680
vehicle arrived at the aft end of the

31
00:01:37,109 --> 00:01:34,400
station this past saturday morning the

32
00:01:39,990 --> 00:01:37,119
atv4 was launched from the french guiana

33
00:01:42,550 --> 00:01:40,000
launch complex on june 5th the docking

34
00:01:47,030 --> 00:01:42,560
was completed with no issues this past

35
00:01:48,950 --> 00:01:47,040
saturday at 9 07 a.m central time today

36
00:01:51,350 --> 00:01:48,960
commander pavel vinogradov and flight

37
00:01:53,749 --> 00:01:51,360
engineer luca parmitano completed leak

38
00:01:56,069 --> 00:01:53,759

checks the planned hatch opening has

39
00:01:57,749 --> 00:01:56,079
been postponed while mission managers

40
00:02:00,550 --> 00:01:57,759
discuss whether the crew needs to

41
00:02:03,109 --> 00:02:00,560
disinfect three cargo bags that are

42
00:02:05,910 --> 00:02:03,119
suspected of carrying either mold or

43
00:02:07,109 --> 00:02:05,920
bacteria both of which pose no risk to

44
00:02:09,190 --> 00:02:07,119
the crew

45
00:02:11,990 --> 00:02:09,200
once it's complete the hatch opening

46
00:02:15,750 --> 00:02:12,000
that is either tomorrow or later the

47
00:02:18,070 --> 00:02:15,760
crew will get busy unloading 7.3 tons of

48
00:02:21,270 --> 00:02:18,080
cargo including science experiments

49
00:02:23,670 --> 00:02:21,280
hardware propellant water and air

50
00:02:25,110 --> 00:02:23,680
flight engineers alexander misurkin and

51
00:02:26,710 --> 00:02:25,120
fyodor yurchikhin focused their

52
00:02:29,190 --> 00:02:26,720
attentions on preparation for a

53
00:02:31,830 --> 00:02:29,200
spacewalk one week from today during

54
00:02:34,550 --> 00:02:31,840
that trip outside they'll work on zarya

55
00:02:37,190 --> 00:02:34,560
replacing a fluid flow control valve

56
00:02:39,589 --> 00:02:37,200
panel and installing clamps which will

57
00:02:42,150 --> 00:02:39,599
later hold cables bringing power from

58
00:02:43,990 --> 00:02:42,160
the u.s segment of the space station to

59
00:02:45,670 --> 00:02:44,000
the new russian laboratory that is

60
00:02:47,910 --> 00:02:45,680
targeted to arrive at the international

61
00:02:50,470 --> 00:02:47,920
space station late this year

62
00:02:52,869 --> 00:02:50,480
today misurkin and yurchikhin studied

63
00:02:55,110 --> 00:02:52,879

the work areas by line of sight out of

64
00:02:57,910 --> 00:02:55,120
the station windows and virtually

65
00:02:59,589 --> 00:02:57,920
through graphics in an onboard computer

66
00:03:01,350 --> 00:02:59,599
training program

67
00:03:03,270 --> 00:03:01,360
flight engineer karen nyberg began her

68
00:03:06,229 --> 00:03:03,280
day with maintenance on the ventilation

69
00:03:08,149 --> 00:03:06,239
systems before joining parmitano to talk

70
00:03:10,070 --> 00:03:08,159
with the principal investigator of the

71
00:03:12,070 --> 00:03:10,080
spinal ultrasound experiment that

72
00:03:15,270 --> 00:03:12,080
they'll be doing this week

73
00:03:17,750 --> 00:03:15,280
in-flight readings of crew members spine

74
00:03:20,149 --> 00:03:17,760
will be studied along with pre-flight

75
00:03:22,390 --> 00:03:20,159
and post-flight data to assess the

76
00:03:25,030 --> 00:03:22,400
health risk resulting from changes to

77
00:03:26,229 --> 00:03:25,040
the spine that occur in a microgravity

78
00:03:27,509 --> 00:03:26,239
environment

79
00:03:29,509 --> 00:03:27,519
flight engineer chris cassidy

80
00:03:31,589 --> 00:03:29,519
concentrated on preparing for the

81
00:03:34,550 --> 00:03:31,599
surface tele robotics investigation

82
00:03:36,789 --> 00:03:34,560
operations and the first ever test of

83
00:03:39,350 --> 00:03:36,799
how well a crew member on orbit can

84
00:03:42,390 --> 00:03:39,360
remotely control a robot on the surface

85
00:03:44,149 --> 00:03:42,400
of a planet a moon or an asteroid

86
00:03:45,910 --> 00:03:44,159
after talking with the investigators

87
00:03:48,390 --> 00:03:45,920
cassidy is scheduled to work through a

88
00:03:50,229 --> 00:03:48,400

scripted series of commands to a rover

89
00:03:52,550 --> 00:03:50,239
at nasa's ames research center in

90
00:03:55,350 --> 00:03:52,560
california the task that they are

91
00:03:57,750 --> 00:03:55,360
simulating is deployment of a telescope

92
00:03:59,509 --> 00:03:57,760
on the far side of the moon

93
00:04:01,429 --> 00:03:59,519
the full crew looking forward to the

94
00:04:03,429 --> 00:04:01,439
opening of hatches on the automated

95
00:04:06,229 --> 00:04:03,439
transfer vehicle and getting started

96
00:04:08,229 --> 00:04:06,239
with cargo transfers plus a variety of

97
00:04:10,229 --> 00:04:08,239
laboratory science that's on the agenda

98
00:04:12,789 --> 00:04:10,239
this week plus the continuing

99
00:04:14,390 --> 00:04:12,799
preparations for next week's spacewalk