



HOUSTON TV SD



Item	Value	Unit
101	100.00	Hz
102	100.00	Hz
103	100.00	Hz
104	100.00	Hz
105	100.00	Hz
106	100.00	Hz
107	100.00	Hz
108	100.00	Hz
109	100.00	Hz
110	100.00	Hz
111	100.00	Hz
112	100.00	Hz
113	100.00	Hz
114	100.00	Hz
115	100.00	Hz
116	100.00	Hz
117	100.00	Hz
118	100.00	Hz
119	100.00	Hz
120	100.00	Hz

HOUSTON TV SD

ASPO

ISO

OSO

CATO

Mission Control Center

11:22 AM  
100.00 Hz

OSO AXCA

11:22 AM 100.00 Hz

1  
00:00:04,870 --> 00:00:03,429  
and good morning from mission control

2  
00:00:07,030 --> 00:00:04,880  
houston and welcome to today's

3  
00:00:08,629 --> 00:00:07,040  
international space station update

4  
00:00:10,230 --> 00:00:08,639  
you're joining us here inside at the

5  
00:00:12,310 --> 00:00:10,240  
flight control room at the johnson space

6  
00:00:14,230 --> 00:00:12,320  
center in houston texas looking down as

7  
00:00:16,950 --> 00:00:14,240  
the orbit 2 team is monitoring all these

8  
00:00:18,950 --> 00:00:16,960  
systems onboard the orbiting laboratory

9  
00:00:20,630 --> 00:00:18,960  
today's team is being led by flight

10  
00:00:22,550 --> 00:00:20,640  
director scott stover you can see just

11  
00:00:24,150 --> 00:00:22,560  
standing up there joining him at the

12  
00:00:26,070 --> 00:00:24,160  
capcom position serving as our

13  
00:00:27,589 --> 00:00:26,080

communication link between all of our

14

00:00:29,509 --> 00:00:27,599

controllers down here on the ground and

15

00:00:30,950 --> 00:00:29,519

the astronauts up in space will be kathy

16

00:00:32,870 --> 00:00:30,960

bolt

17

00:00:35,270 --> 00:00:32,880

and those astronauts up in space uh the

18

00:00:36,870 --> 00:00:35,280

crew of expedition 34 possibly in their

19

00:00:39,590 --> 00:00:36,880

last day as a crew on board the

20

00:00:41,670 --> 00:00:39,600

international space station uh they were

21

00:00:44,150 --> 00:00:41,680

being led up until yesterday by nasa

22

00:00:45,990 --> 00:00:44,160

astronaut commander kevin ford uh who

23

00:00:47,910 --> 00:00:46,000

handed over commanded the station to hat

24

00:00:48,950 --> 00:00:47,920

uh canadian astronaut chris hadfield

25

00:00:50,470 --> 00:00:48,960

yesterday

26

00:00:52,709 --> 00:00:50,480

kevin ford in the front row on the left

27

00:00:54,470 --> 00:00:52,719

there behind him oleg novitskiy and

28

00:00:55,430 --> 00:00:54,480

evgeny tarelkin of the russian space

29

00:00:57,189 --> 00:00:55,440

agency

30

00:00:58,950 --> 00:00:57,199

those three scheduled to return a little

31

00:01:00,470 --> 00:00:58,960

bit later this evening

32

00:01:02,389 --> 00:01:00,480

moving across the back row we have

33

00:01:04,630 --> 00:01:02,399

russian cosmonaut roman romanenko and

34

00:01:06,950 --> 00:01:04,640

nasa astronaut tom marshburn will remain

35

00:01:08,950 --> 00:01:06,960

on board with chris hadfield also in the

36

00:01:11,510 --> 00:01:08,960

front row there on the right as the crew

37

00:01:13,590 --> 00:01:11,520

of expedition 35

38

00:01:15,910 --> 00:01:13,600

as mentioned the big

39

00:01:18,230 --> 00:01:15,920

item on the list for today's activities

40

00:01:21,190 --> 00:01:18,240

will be that return of three of our

41

00:01:23,030 --> 00:01:21,200

expedition crew members

42

00:01:24,710 --> 00:01:23,040

nasa astronaut kevin ford and russian

43

00:01:26,310 --> 00:01:24,720

cosmonauts oleg novitskiy and evgeny

44

00:01:28,870 --> 00:01:26,320

tarelkin

45

00:01:30,390 --> 00:01:28,880

currently scheduled to

46

00:01:33,510 --> 00:01:30,400

depart from the international space

47

00:01:35,510 --> 00:01:33,520

station and land in kazakhstan tonight

48

00:01:37,429 --> 00:01:35,520

the entire crew sleep shifted over

49

00:01:40,390 --> 00:01:37,439

waking up at about eight a.m central

50

00:01:43,109 --> 00:01:40,400

time a few hours later in order to shift

51  
00:01:44,550 --> 00:01:43,119  
over for all these undocking operations

52  
00:01:47,030 --> 00:01:44,560  
however right now the landing is

53  
00:01:49,270 --> 00:01:47,040  
currently under review by rose cosmos

54  
00:01:52,389 --> 00:01:49,280  
officials due to some adverse weather

55  
00:01:54,310 --> 00:01:52,399  
conditions across the kazakh step

56  
00:01:55,910 --> 00:01:54,320  
some fog and freezing rain prevented

57  
00:01:57,590 --> 00:01:55,920  
some of the uh search and recovery

58  
00:01:59,429 --> 00:01:57,600  
helicopters from deploying a little bit

59  
00:02:01,910 --> 00:01:59,439  
earlier this morning out of their

60  
00:02:04,469 --> 00:02:01,920  
staging city of kustanai kazakhstan over

61  
00:02:06,389 --> 00:02:04,479  
to arcolic a number of you can see a

62  
00:02:08,790 --> 00:02:06,399  
number of the recovery

63  
00:02:10,389 --> 00:02:08,800

vehicles here the current weather

64

00:02:11,990 --> 00:02:10,399

forecast though calls for some of the

65

00:02:13,750 --> 00:02:12,000

improving conditions

66

00:02:15,589 --> 00:02:13,760

to move across the kazakh step over the

67

00:02:17,190 --> 00:02:15,599

next 24 hours but

68

00:02:19,190 --> 00:02:17,200

still not clear if those conditions will

69

00:02:20,710 --> 00:02:19,200

improve enough to enable a landing on

70

00:02:22,470 --> 00:02:20,720

time tonight

71

00:02:24,309 --> 00:02:22,480

state commission members are expected to

72

00:02:26,470 --> 00:02:24,319

meet a little bit later this afternoon

73

00:02:27,830 --> 00:02:26,480

central time in order to evaluate

74

00:02:29,830 --> 00:02:27,840

whether or not to go ahead and push

75

00:02:33,509 --> 00:02:29,840

ahead with tonight's landing events or

76  
00:02:35,830 --> 00:02:33,519  
delay it about 24 hours to march 16th

77  
00:02:37,110 --> 00:02:35,840  
but as of right now everything's still

78  
00:02:40,309 --> 00:02:37,120  
on schedule

79  
00:02:43,430 --> 00:02:40,319  
hatch closure for that soyuz tma-06m

80  
00:02:44,710 --> 00:02:43,440  
spacecraft scheduled to take place at 4

81  
00:02:46,550 --> 00:02:44,720  
15

82  
00:02:48,470 --> 00:02:46,560  
pm central time that'll be our first

83  
00:02:51,509 --> 00:02:48,480  
live broadcast as we bring you all of

84  
00:02:53,350 --> 00:02:51,519  
tonight's events here on nasa tv we'll

85  
00:02:56,070 --> 00:02:53,360  
also have undocking coverage beginning

86  
00:02:57,830 --> 00:02:56,080  
at 7 15 with that undock command

87  
00:03:00,229 --> 00:02:57,840  
being given just a few minutes before

88  
00:03:02,470 --> 00:03:00,239

the physical separation at 7 30 pm

89

00:03:04,710 --> 00:03:02,480

central time and our final coverage will

90

00:03:07,350 --> 00:03:04,720

be for the eventual landing picking up

91

00:03:08,710 --> 00:03:07,360

at 9 45 with the deorbit burn sending

92

00:03:11,670 --> 00:03:08,720

the soyuz craft through the upper

93

00:03:17,350 --> 00:03:11,680

atmosphere at 10 04 pm central time for

94

00:03:19,509 --> 00:03:17,360

that on time landing of 10 57 pm central

95

00:03:20,550 --> 00:03:19,519

meanwhile on board the station much of

96

00:03:21,910 --> 00:03:20,560

the crew

97

00:03:23,270 --> 00:03:21,920

are working to get ready for this

98

00:03:25,350 --> 00:03:23,280

departure

99

00:03:27,990 --> 00:03:25,360

nasa astronaut kevin ford

100

00:03:30,149 --> 00:03:28,000

retrieving a few samples from the -80

101

00:03:30,949 --> 00:03:30,159

degree laboratory freezer

102

00:03:33,910 --> 00:03:30,959

for

103

00:03:35,270 --> 00:03:33,920

return on the uh soyuz craft this uh

104

00:03:37,990 --> 00:03:35,280

afternoon

105

00:03:39,750 --> 00:03:38,000

he was all he'll also be helping out

106

00:03:43,430 --> 00:03:39,760

tom marshburn with an ultrasound he'll

107

00:03:44,869 --> 00:03:43,440

be accomplishing uh fairly soon and also

108

00:03:47,910 --> 00:03:44,879

just getting everything ready for his

109

00:03:50,070 --> 00:03:47,920

departure meanwhile his soyuz crew

110

00:03:52,229 --> 00:03:50,080

members oleg novitskiy and evgeny

111

00:03:54,390 --> 00:03:52,239

tarelkin are hard at work getting the

112

00:03:56,630 --> 00:03:54,400

last few items packed up and installed

113

00:03:58,309 --> 00:03:56,640

in their soyuz craft and running through

114

00:04:00,630 --> 00:03:58,319

all the spacecraft checkouts and

115

00:04:02,309 --> 00:04:00,640

departure preparations in advance of

116

00:04:04,750 --> 00:04:02,319

their leaving you can see the current

117

00:04:07,750 --> 00:04:04,760

station structure here their craft

118

00:04:09,589 --> 00:04:07,760

tma-06m spacecraft at the top there on

119

00:04:11,750 --> 00:04:09,599

the space-facing side of the station

120

00:04:14,869 --> 00:04:11,760

currently docked to the mini research

121

00:04:17,030 --> 00:04:14,879

module 2 or the poisk module that's been

122

00:04:20,710 --> 00:04:17,040

docked there since october 25th when

123

00:04:22,950 --> 00:04:20,720

these three astronauts first arrived

124

00:04:26,469 --> 00:04:22,960

and then this will be what the station

125

00:04:30,150 --> 00:04:26,479

looks like once that craft departs the

126  
00:04:32,790 --> 00:04:30,160  
soyuz uh 07m which carried r3 expedition

127  
00:04:34,710 --> 00:04:32,800  
35 astronauts will remain on board i

128  
00:04:36,950 --> 00:04:34,720  
will stay docked as well as uh three

129  
00:04:38,790 --> 00:04:36,960  
unmanned cargo craft including that uh

130  
00:04:41,189 --> 00:04:38,800  
dragon resupply vehicle which docked

131  
00:04:43,590 --> 00:04:41,199  
just a few weeks ago

132  
00:04:45,189 --> 00:04:43,600  
and staying on board uh chris hanfield

133  
00:04:46,790 --> 00:04:45,199  
who's our new commander of the

134  
00:04:47,670 --> 00:04:46,800  
international space station and will

135  
00:04:51,110 --> 00:04:47,680  
command

136  
00:04:53,830 --> 00:04:51,120  
expedition 35 after taking over

137  
00:04:55,270 --> 00:04:53,840  
from kevin ford yesterday afternoon

138  
00:04:57,110 --> 00:04:55,280

he'll be helping out with some of that

139

00:04:58,870 --> 00:04:57,120

departure prep and also working on the

140

00:05:00,950 --> 00:04:58,880

station's environmental health system

141

00:05:02,390 --> 00:05:00,960

doing some air quality monitoring and

142

00:05:04,310 --> 00:05:02,400

some routine maintenance on the

143

00:05:06,469 --> 00:05:04,320

station's a-red device

144

00:05:09,350 --> 00:05:06,479

known as the advanced resistive exercise

145

00:05:11,350 --> 00:05:09,360

device one of the numerous exercise

146

00:05:14,469 --> 00:05:11,360

pieces of equipment on board the station

147

00:05:16,710 --> 00:05:14,479

for these astronauts to maintain health

148

00:05:18,230 --> 00:05:16,720

meanwhile roman romanenko will be

149

00:05:20,150 --> 00:05:18,240

fairly busy inside of the russian

150

00:05:22,070 --> 00:05:20,160

segment so be the point person for all

151  
00:05:23,909 --> 00:05:22,080  
the undock operations from the station

152  
00:05:25,590 --> 00:05:23,919  
perspective completing all the

153  
00:05:28,310 --> 00:05:25,600  
communication checkouts between the

154  
00:05:30,310 --> 00:05:28,320  
soyuz and the station also removing some

155  
00:05:32,710 --> 00:05:30,320  
of the clamps on the side of the voice

156  
00:05:34,790 --> 00:05:32,720  
module and photograph in the area also

157  
00:05:36,629 --> 00:05:34,800  
be responsible for activating the

158  
00:05:38,790 --> 00:05:36,639  
telemetry system inside of the russian

159  
00:05:40,150 --> 00:05:38,800  
segment which is used to

160  
00:05:41,830 --> 00:05:40,160  
receive data

161  
00:05:43,830 --> 00:05:41,840  
sent out from that soyuz spacecraft

162  
00:05:46,550 --> 00:05:43,840  
during its return to earth and recorded

163  
00:05:48,950 --> 00:05:46,560

it on the station telemetry system

164

00:05:51,510 --> 00:05:48,960

and our final expedition crew member tom

165

00:05:52,469 --> 00:05:51,520

marshburn as mentioned is doing an

166

00:05:54,870 --> 00:05:52,479

ultrasound

167

00:05:57,110 --> 00:05:54,880

this morning doing it on his spine and

168

00:05:58,950 --> 00:05:57,120

he'll be assisted by kevin ford it's

169

00:06:01,270 --> 00:05:58,960

also firing up the capillary flow

170

00:06:03,510 --> 00:06:01,280

experiment for a second day in a row now

171

00:06:05,670 --> 00:06:03,520

uh which you can see here is a fluid

172

00:06:08,070 --> 00:06:05,680

physics experiment that looks at

173

00:06:10,309 --> 00:06:08,080

the capillary forces or how fluids move