



1

00:00:01,870 --> 00:00:05,710

[Commentator:] The onboard crew is in the early afternoon of their crew day.

2

00:00:05,710 --> 00:00:09,530

They have a wide range of tasks today including station hardware configurations,

3

00:00:09,530 --> 00:00:12,410

departure preparations and experiment work.

4

00:00:12,410 --> 00:00:16,110

Ron Garan and Mike Fossum have just completed a news conference with journalists

5

00:00:16,110 --> 00:00:18,830

from the Johnson Space Center and Kennedy Space Center.

6

00:00:18,830 --> 00:00:23,970

Questions included the crew's thoughts regarding the Russian spacecraft as well as the fragility

7

00:00:23,970 --> 00:00:27,860

of the planet and the value of continuous human presence on the space station.

8

00:00:27,860 --> 00:00:32,690

Garan will now resume preparations for his return to Earth next week,

9

00:00:32,690 --> 00:00:34,320

packing up supplies and equipment.

10

00:00:34,320 --> 00:00:39,420

He will return to earth with Andrey Borisenko and Alexander Samokutyaev

11

00:00:39,420 --> 00:00:43,230

in the Soyuz TMA-21 spacecraft
early next Friday.

12

00:00:43,230 --> 00:00:45,060

Later in his afternoon Garan will also work

13

00:00:45,060 --> 00:00:48,930

on the Human Research Facility
preparing for a DVD load transfer.

14

00:00:48,930 --> 00:00:52,820

Garan and Fossum will end the day with
routine private medical conferences,

15

00:00:52,820 --> 00:01:00,490

then they and Satoshi Furukawa will also
participate in the Reaction Self Test.

16

00:01:00,490 --> 00:01:04,320

That is a portable five-minute reaction
time test that allows the crew members

17

00:01:04,320 --> 00:01:08,210

to monitor the daily effects
of fatigue and performance

18

00:01:08,210 --> 00:01:11,250

on performance while on board the space station.

19

00:01:27,350 --> 00:01:29,170

[Mike Fossum:] Yeah, go ahead.

20

00:01:29,170 --> 00:01:29,750

[CAPCOM:] Mike uh...

21

00:01:29,750 --> 00:01:30,890

got caught uh...

22

00:01:30,890 --> 00:01:35,550

with a little bit of blockage before that TDRS handover before I could correct my last call.

23

00:01:35,550 --> 00:01:39,500

The second pass cupola window number four is actually going

24

00:01:39,500 --> 00:01:42,770

to be better than window number one.

25

00:01:47,220 --> 00:01:48,660

[Mike Fossum:] Yeah, copy that.

26

00:01:48,660 --> 00:01:50,910

You guys don't need to give us windows,

27

00:01:50,910 --> 00:01:54,620

just port or starboard is all we need and that will be totally cool.

28

00:01:54,620 --> 00:01:59,000

The window kind of changes as your going by and stuff.

29

00:01:59,000 --> 00:01:59,620

[CAPCOM:] Copy that.

30

00:01:59,620 --> 00:02:00,300

Thanks for the info.

31

00:02:00,300 --> 00:02:11,520

[Commentator:] Again, a bit of an update there from the onboard crew to the capcom.

32

00:02:11,520 --> 00:02:13,110

[Mike Fossum:] And I had a follow-up question.

33

00:02:13,110 --> 00:02:18,230

Did you guys actually confirm that

the state park in Bastrop is one

34

00:02:18,230 --> 00:02:23,100
of the directly affected areas
with the fire in that region?

35

00:02:23,100 --> 00:02:24,770
[CAPCOM:] Station Houston.

36

00:02:24,770 --> 00:02:25,690
Uh... yes Mike.

37

00:02:25,690 --> 00:02:26,960
Unfortunately that's true.

38

00:02:26,960 --> 00:02:34,300
The news agencies are reporting up to two-thirds
of the park has been burned and hundreds

39

00:02:34,300 --> 00:02:42,420
of homes in the area have been destroyed.

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00:02:42,420 --> 00:02:43,560
[Mike Fossum:] Oh, wow.

41

00:02:43,560 --> 00:02:45,710
Wow. That's rough news.

42

00:02:45,710 --> 00:02:50,580
Thanks. We are really thinking
about all those folks though there.

43

00:02:50,580 --> 00:02:52,370
[CAPCOM:] Copy that Mike.

44

00:02:52,370 --> 00:02:59,090
And the COTS lab is working on getting some
information up to you via your web pages.

45

00:03:03,750 --> 00:03:04,950

[Commentator:] Some words there

46

00:03:04,950 --> 00:03:09,150

to NASA Astronaut Mike Fossum
who is an avid outdoorsman.

47

00:03:09,150 --> 00:03:14,230

He is an experienced scout leader and hiker.

48

00:03:14,230 --> 00:03:17,300

He had inquired earlier of the
flight control team about any

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00:03:17,300 --> 00:03:20,420

of the wildfire damage that's
been occurring in Texas,

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00:03:20,420 --> 00:03:26,760

including some of his favorite areas there,
as relayed by Jay Marschke the capcom on duty,

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00:03:26,760 --> 00:03:30,170

there has been some impacts to that area.

52

00:03:30,170 --> 00:03:36,480

Flight Control Teams also researched
photo opportunities of the wildfires.

53

00:03:36,480 --> 00:03:40,250

They do anticipate some possible viewing
opportunities in the next hour or so.

54

00:03:40,250 --> 00:03:44,920

We will certainly be relaying
those as will be our website.

55

00:03:46,550 --> 00:03:50,470

Fossum is deactivating television

equipment following the crew news conference

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00:03:50,470 --> 00:03:52,420

that was recently completed.

57

00:03:52,420 --> 00:03:55,840

The rest of his afternoon includes connecting some of the umbilical lines for one

58

00:03:55,840 --> 00:03:58,980

of the Express science racks, then exercise on the treadmill

59

00:03:58,980 --> 00:04:01,100

and Water Recovery System maintenance.

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00:04:01,100 --> 00:04:05,300

The crew will end their day with the daily planning conference at 1:50,

61

00:04:05,300 --> 00:04:09,180

one-five-zero p.m. Central Time followed by off-duty time.

62

00:04:09,180 --> 00:04:13,190

They are scheduled for crew sleep at 4:30 p.m. Central Time.

63

00:04:17,980 --> 00:04:23,250

The crew woke at 1 a.m. Central Time which is their standard start of day.

64

00:04:23,250 --> 00:04:27,070

They had their morning inspection and then some routine body mass measurements were part

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00:04:27,070 --> 00:04:32,220

of an ongoing study of changes in the body mass for long-duration crew members.

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00:04:32,220 --> 00:04:35,420

They also had the some personal
time for breakfast

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00:04:35,420 --> 00:04:38,580

and hygiene before their
start-of-day daily planning conference.

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00:04:38,580 --> 00:04:44,660

The morning tasks included work on HDTV
configurations by Satoshi Furukawa,

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00:04:44,660 --> 00:04:51,080

and also he performed a scenario on board
diagnostic kit demonstration or ultrasound work

70

00:04:51,080 --> 00:04:54,470

which is a part of a medical experiment.

71

00:04:54,470 --> 00:04:58,090

Mike Fossum continued with the
troubleshooting of the ARED,

72

00:04:58,090 --> 00:05:01,550

or Advanced Resistive Exercise
Device display and also took

73

00:05:01,550 --> 00:05:04,290

about an hour to exercise on that device.

74

00:05:04,290 --> 00:05:08,940

He also worked on removal of payload
related cargo stored in the PMM,

75

00:05:08,940 --> 00:05:11,750

or the Permanent Multi-purpose Module.

76

00:05:31,470 --> 00:05:34,910

This again a current view of

the International Space Station.

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00:05:34,910 --> 00:05:40,040

Just within the last hour, the external cameras mounted on the vehicle were able

78

00:05:40,040 --> 00:05:42,830

to capture some views of the hurricane.

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00:05:42,830 --> 00:05:49,290

We can replay some of that footage for you, again captured just about 45 minutes ago

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00:05:49,290 --> 00:05:54,010

as external cameras captured video of Hurricane Katia as it moved northwest

81

00:05:54,010 --> 00:05:57,860

across the western Atlantic north of Puerto Rico.

82

00:05:57,860 --> 00:06:02,970

This occurred at 10:35 a.m. Eastern Time earlier today.

83

00:06:02,970 --> 00:06:08,850

Katia has strengthened into a major Category 3 hurricane packing winds of 125 miles per hour