



1
00:00:00,000 --> 23:59:59,999
When did you realized something was wrong?

2
00:00:09,300 --> 00:00:00,033
.

3
00:00:09,300 --> 00:00:11,400
support from everybody across the globe has been

4
00:00:11,400 --> 00:00:14,940
amazing in such a time. And so thank you to...

5
00:00:14,940 --> 00:00:17,540
everybody out there. You know, so back to the

6
00:00:17,540 --> 00:00:19,360
question when do we first know that something...

7
00:00:19,360 --> 00:00:22,080
was wrong? You know it's two minutes into...

8
00:00:22,080 --> 00:00:25,440
launch and everything was going, going per plan.

9
00:00:25,440 --> 00:00:28,960
It was a smooth ride and right around the...

10
00:00:28,960 --> 00:00:32,200
first stage separation everything went a...

11
00:00:32,200 --> 00:00:33,660
little awry. And so we were tossed...

12
00:00:33,660 --> 00:00:35,660
back and forth inside the capsule a little bit...

13
00:00:35,660 --> 00:00:38,660

and then thrust away from the rocket as soon...

14
00:00:38,660 --> 00:00:41,640
as the launch abort system had recognized that...

15
00:00:41,640 --> 00:00:44,240
there was a problem with the booster. So the first...

16
00:00:44,240 --> 00:00:47,300
moment that I recognized something, was as we are...

17
00:00:47,300 --> 00:00:49,980
being ripped away from the rocket we had an...

18
00:00:49,980 --> 00:00:52,840
alarm inside the capsule and we had an emergency...

19
00:00:52,840 --> 00:00:55,800
light come on that said that we had a problem with

20
00:00:55,800 --> 00:00:59,420
the booster. And it was at that moment it was...

21
00:00:59,420 --> 00:01:02,120
a pretty crystal clear realization that we...

22
00:01:02,120 --> 00:01:04,520
weren't gonna make it orbit that day.

23
00:01:04,520 --> 00:01:06,120
So how are you training for facing these kind of...

24
00:01:06,120 --> 00:01:09,060
psychological issues and keeping cool and not

25
00:01:09,060 --> 00:01:11,960
panicking whenever something goes awry.

26
00:01:11,960 --> 00:01:15,580
Right. Sso I've got to thank my... you know my...

27
00:01:15,580 --> 00:01:17,900
career in the Air Force has done a lot to help...

28
00:01:17,900 --> 00:01:20,800
me prepare for stressful situations like this.

29
00:01:20,800 --> 00:01:24,360
Whether it's through deployments or my time in...

30
00:01:24,360 --> 00:01:27,640
flight tests where we've had to deal with failures...

31
00:01:27,640 --> 00:01:30,280
in aircraft that you're in and having to get down

32
00:01:30,280 --> 00:01:31,920
on the ground immediately. So those have been...

33
00:01:31,920 --> 00:01:35,540
stressful situations. You know in terms of...

34
00:01:35,540 --> 00:01:37,840
managing that you really end up falling back to...

35
00:01:37,840 --> 00:01:40,640
your training. You learn over time, over my...

36
00:01:40,640 --> 00:01:42,580
two decades in the Air Force, I've learned that...

37
00:01:42,580 --> 00:01:45,820
in those situations the best thing that you

38
00:01:45,820 --> 00:01:48,240

can do is stay calm and do what you've been...

39
00:01:48,240 --> 00:01:51,800
trained to do. And so we training endlessly to...

40
00:01:51,800 --> 00:01:55,160
address those types of situations. I've spent the...

41
00:01:55,160 --> 00:01:57,480
better part of the last two years in Star City,...

42
00:01:57,480 --> 00:02:00,720
Russia inside a descent module where they have...

43
00:02:00,720 --> 00:02:04,200
thrown every failure imaginable at us in Alexey...

44
00:02:04,200 --> 00:02:08,000
and I have developed the team cohesion that we...

45
00:02:08,000 --> 00:02:11,480
need to be able to respond to those failures.

46
00:02:11,480 --> 00:02:14,760
And we put that to work when that...

47
00:02:14,760 --> 00:02:18,280
was thrown our way on Thursday.

48
00:02:18,280 --> 00:02:22,540
Your initial reaction, fear or disappointment?

49
00:02:22,540 --> 00:02:25,380
I just remember being this very...

50
00:02:25,380 --> 00:02:30,640
poignant realization that wow we just had a

51
00:02:30,640 --> 00:02:32,320
failure of the booster. So there's, a little bit...

52
00:02:32,320 --> 00:02:35,660
of disbelief, because it hasn't happened in 35...

53
00:02:35,660 --> 00:02:38,800
years. So that was a little surprising. But it was...

54
00:02:38,800 --> 00:02:42,260
we just had the failure of the booster and okay...

55
00:02:42,260 --> 00:02:44,680
now we gotta get home. And so we just instantly...

56
00:02:44,680 --> 00:02:47,260
transitioned into executing the procedures that...

57
00:02:47,260 --> 00:02:51,060
we had practiced before and trying to make sure...

58
00:02:51,060 --> 00:02:54,580
that we did them as precise and as effectively...

59
00:02:54,580 --> 00:02:58,080
as we could. And while in the Soyuz upon your...

60
00:02:58,080 --> 00:03:00,020
descent did you feel any temperature or pressure...

61
00:03:00,020 --> 00:03:04,200
changes? Yes. So when we come back...

62
00:03:04,200 --> 00:03:07,620
there are pressure changes. So after the main...

63
00:03:07,620 --> 00:03:11,620

chute opens there is a valve that helps equalize...

64

00:03:11,620 --> 00:03:14,620

with the outside ambient air pressure and

65

00:03:14,620 --> 00:03:18,260

so you feel pressure changes in your ear on...

66

00:03:18,260 --> 00:03:19,880

descent just like you might feel...

67

00:03:19,880 --> 00:03:23,120

in a commercial airliner coming in for a...

68

00:03:23,120 --> 00:03:25,940

landing. Other than that there was no extreme...

69

00:03:25,940 --> 00:03:28,200

temperatures. And if you look at pictures of our...

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00:03:28,200 --> 00:03:31,280

capsule laying on the the steppes of Kazakhstan,...

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00:03:31,280 --> 00:03:33,440

you realize that we weren't going fast...

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00:03:33,440 --> 00:03:36,660

enough for anything to char, to have any of the...

73

00:03:36,660 --> 00:03:39,320

plasma that you would normally have from a...

74

00:03:39,320 --> 00:03:42,340

reentry. We were going slow enough our energy was...

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00:03:42,340 --> 00:03:45,640

low enough that it was really just aerodynamic...

76
00:03:45,640 --> 00:03:48,760
drag that slowed us down well. If this incident will...

77
00:03:48,760 --> 00:03:50,820
keep you away from any fights or does it...

78
00:03:50,820 --> 00:03:53,140
make you more determined to go up in the future?

79
00:03:53,140 --> 00:03:56,980
Yeah, so in terms of determination, personal

80
00:03:56,980 --> 00:04:01,400
perseverance, I'm ready to go and look forward to

81
00:04:01,400 --> 00:04:05,460
the next opportunity. You know, we...

82
00:04:05,460 --> 00:04:08,880
collectively, my family, all of my friends,

83
00:04:08,880 --> 00:04:12,280
extended family, everybody has invested and...

84
00:04:12,280 --> 00:04:15,380
sacrificed alot to make this opportunity happen.

85
00:04:15,380 --> 00:04:19,560
And we all realize that it's a very hard...

86
00:04:19,560 --> 00:04:22,900
business that we are part. You're not always...

87
00:04:22,900 --> 00:04:25,840
going to be successful, but you've gotta persevere...

88
00:04:25,840 --> 00:04:27,700

because what we're trying to accomplish with...

89

00:04:27,700 --> 00:04:30,380

human exploration of space, the things that were...

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00:04:30,380 --> 00:04:35,120

trying to discover, the expanding of...

91

00:04:35,120 --> 00:04:37,640

the boundaries of human understanding, that's...

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00:04:37,640 --> 00:04:40,140

what we're trying to do and and it's worth it.

93

00:04:40,140 --> 00:04:43,720

And so yes, I'm ready to go. What will you...

94

00:04:43,720 --> 00:04:45,540

take from this experience that you can use for...

95

00:04:45,540 --> 00:04:47,920

the future and for personal experience and...

96

00:04:47,920 --> 00:04:49,920

for sharing information with other astronauts and...

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00:04:49,920 --> 00:04:53,860

cosmonauts? Yeah, absolutely. You know just yesterday...

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00:04:53,860 --> 00:04:58,720

we tried to capture as much as we can and I've...

99

00:04:58,720 --> 00:05:00,920

you know, given a statement so that we can get...

100

00:05:00,920 --> 00:05:04,500

all of the insight from my experience and try...

101
00:05:04,500 --> 00:05:07,860
to propagate that towards other crew members so...

102
00:05:07,860 --> 00:05:09,620
that they can learn from my experience. That's...

103
00:05:09,620 --> 00:05:13,580
important. You know, personally I feel...

104
00:05:13,580 --> 00:05:17,140
like this is just another event that has...

105
00:05:17,140 --> 00:05:20,260
happened, that is going to help shape me and make...

106
00:05:20,260 --> 00:05:23,040
me a more effective crew member in the future.

107
00:05:23,040 --> 00:05:25,380
I know that Alexey and I as a crew...

108
00:05:25,380 --> 00:05:27,620
you know, we've experienced this...