



1  
00:00:01,686 --> 00:00:04,286  
>> I am NASA Astronaut  
Chris Cassidy onboard the

2  
00:00:04,286 --> 00:00:06,746  
International Space  
Station and last week,

3  
00:00:06,776 --> 00:00:09,706  
myself and Luca Parmitano  
did a spacewalk

4  
00:00:09,766 --> 00:00:14,076  
in which we had a problem  
with the inside of his suit.

5  
00:00:14,396 --> 00:00:17,506  
It was leaking cooling  
water somehow

6  
00:00:17,816 --> 00:00:24,776  
into his ventilation system and  
that water got into his helmet.

7  
00:00:24,996 --> 00:00:27,876  
Don't know the exact specifics  
right now, the engineers

8  
00:00:27,876 --> 00:00:30,076  
and all the people in Houston  
are working on the problem

9  
00:00:30,736 --> 00:00:31,736  
and trying to figure it out

10  
00:00:31,736 --> 00:00:34,586  
and we'll do some  
troubleshooting soon

11

00:00:34,956 --> 00:00:38,246  
but I wanted to show you where  
the water was coming from.

12  
00:00:39,836 --> 00:00:46,736  
So this is Luca's helmet and  
the ventilation air comes

13  
00:00:46,736 --> 00:00:49,816  
into the helmet through  
this port right here

14  
00:00:50,716 --> 00:00:55,816  
and then goes behind  
the crewmember's head

15  
00:00:56,566 --> 00:00:59,536  
and then blows the air across  
the front of your face.

16  
00:01:00,156 --> 00:01:03,136  
Well, with water -- a mixture  
of water and air getting

17  
00:01:03,136 --> 00:01:07,276  
into this vent port, the  
water bubbles started to build

18  
00:01:07,276 --> 00:01:12,266  
up behind his -- behind  
this white plastic piece.

19  
00:01:13,056 --> 00:01:18,346  
Once the water got big enough  
that it went all the way around

20  
00:01:18,396 --> 00:01:21,966  
and started coming outside  
the edge of the white plastic,

21

00:01:22,016 --> 00:01:26,426  
then it saturated his  
communication cap and sort

22

00:01:26,426 --> 00:01:28,736  
of capillary flow just  
brought the water all to the --

23

00:01:29,106 --> 00:01:33,776  
all around his head and  
he had water on his --

24

00:01:33,946 --> 00:01:36,946  
and it filled up in his ear  
cups and it started to creep

25

00:01:36,976 --> 00:01:41,366  
into his eyes and covered  
his nose; scary situation.

26

00:01:41,846 --> 00:01:45,786  
The ground teams worked really  
well to give us some direction

27

00:01:46,246 --> 00:01:49,836  
and as a team, we got everybody  
back and everything was fine

28

00:01:50,466 --> 00:01:55,416  
but the water -- if had  
continued to leak much more,

29

00:01:55,416 --> 00:01:56,406  
it would have been  
really serious.

30

00:01:57,306 --> 00:02:01,566  
So that was our problem  
and that was our spacewalk,

31

00:02:01,686 --> 00:02:04,016  
had planned for six and  
a half hours and it was

32

00:02:04,016 --> 00:02:07,466  
about an hour and  
45 minutes or so.

33

00:02:07,696 --> 00:02:11,336  
So don't know if we'll get  
it rescheduled but we'll see

34

00:02:11,736 --> 00:02:15,486  
and the most important thing is  
that the suits are determined

35

00:02:15,486 --> 00:02:18,476  
to be safe so that whenever  
the next folks get outside,