



1
00:00:02,776 --> 00:00:04,106
>> Chris Cassidy: There
are actually several ways

2
00:00:04,166 --> 00:00:08,446
that water could get inside
of a crew member's suit,

3
00:00:08,586 --> 00:00:10,956
and while we're outside,
we weren't really sure

4
00:00:10,956 --> 00:00:14,396
which of those methods it was.

5
00:00:15,036 --> 00:00:20,276
There's a drink bag that
fits on, into this pouch

6
00:00:20,576 --> 00:00:25,056
and mounts right in the
front along your belly

7
00:00:25,986 --> 00:00:29,516
with a little drink tube
coming out by your chin.

8
00:00:30,306 --> 00:00:32,536
That holds about
32 ounces of water,

9
00:00:32,956 --> 00:00:36,696
and that was the first place
that was suspect of a leak.

10
00:00:38,326 --> 00:00:39,536
You, there's also sweat,

11
00:00:39,876 --> 00:00:43,886

but it was a significant
amount more water

12

00:00:43,886 --> 00:00:45,986

than what normally would
be produced by sweat.

13

00:00:46,546 --> 00:00:49,216

It could have been urine,
although to get to the back

14

00:00:49,216 --> 00:00:51,366

of his head is very unlikely.

15

00:00:52,066 --> 00:00:55,886

And then the other source of
water that's out there with us

16

00:00:55,886 --> 00:00:57,826

on a spacewalk is
in the cooling loop,

17

00:00:58,176 --> 00:01:00,636

and we wear a cooling garment.

18

00:01:05,996 --> 00:01:10,236

This special long
underwear like pajamas kind

19

00:01:10,236 --> 00:01:20,036

of with tubes woven in, cooling
tubes woven into the fabric

20

00:01:21,086 --> 00:01:28,636

and ventilation lines running
along your back, and it plugs

21

00:01:28,636 --> 00:01:31,066

into the suit with
a connector here

22

00:01:31,066 --> 00:01:32,356
that goes by your belly button.

23

00:01:33,496 --> 00:01:38,466
So this was another area that I
thought could have been leaking

24

00:01:38,466 --> 00:01:41,996
or we thought right in
one of this fitting here.

25

00:01:41,996 --> 00:01:44,646
Maybe that was leaking.

26

00:01:44,676 --> 00:01:49,466
And then the guts of the suit
are behind in the backpack here,

27

00:01:50,016 --> 00:01:54,936
and there's plumbing that
goes, that where the suit

28

00:01:55,206 --> 00:02:01,616
and the ventilation and
the cooling systems meet,

29

00:02:02,006 --> 00:02:03,716
and there's different
interfaces there

30

00:02:03,766 --> 00:02:06,296
that that's what the engineers
are looking at right now.

31

00:02:06,936 --> 00:02:11,156
And the ventilation comes
into this port here,

32

00:02:11,566 --> 00:02:13,676

which meets up with
the part of the helmet

33

00:02:13,706 --> 00:02:14,486

that I already showed.