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00:00:00,170 --> 00:00:03,430

Derrol Nail, launch commentator: We are here with Bill Spetch — he is the deputy manager

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00:00:03,430 --> 00:00:08,109

of the International Space Station, transportation integration office at NASA.

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00:00:08,109 --> 00:00:11,339

Bill, thank you for joining us after the launch.

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00:00:11,339 --> 00:00:14,960

It looked like a beauty from where we were watching it.

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00:00:14,960 --> 00:00:17,529

You're obviously watching in a very official capacity.

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00:00:17,529 --> 00:00:19,930

What's the official word from you?

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00:00:19,930 --> 00:00:23,890

Spetch (:20): It was a great launch; we were really happy to see the weather clear out

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00:00:23,890 --> 00:00:25,910

the way it did.

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00:00:25,910 --> 00:00:29,510

It was a little bit touch and go after yesterday, and we continued to watch the forecast as

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00:00:29,510 --> 00:00:30,510

we went.

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00:00:30,510 --> 00:00:33,210

But the clouds cleared out and we got to see a great launch.

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00:00:33,210 --> 00:00:39,100
Nail (:33): It was 70 percent no-go yesterday;
got all the way up to the 6:24 launch point

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00:00:39,100 --> 00:00:44,600
and had weather delays so couldn't do it,
but then 12 minutes later it cleared — could

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00:00:44,600 --> 00:00:45,670
have launched.

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00:00:45,670 --> 00:00:50,589
Today, same setup, 70 percent, but then the
weather started to clear just in time, about

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00:00:50,589 --> 00:00:56,390
an hour all those weather constraints lifted
and it hit right on time at 6:01 — right

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00:00:56,390 --> 00:00:57,390
when you need it to.

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00:00:57,390 --> 00:01:02,730
Spetch (:57): Yep, absolutely, it's an instantaneous
launch window to get to ISS for this and so

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00:01:02,730 --> 00:01:05,920
they have to hit that timeframe, and that's
why we couldn't go yesterday with the weather

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00:01:05,920 --> 00:01:08,320
the way it was, even though it cleared out
so quickly afterwards.

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00:01:08,320 --> 00:01:12,520
You've got to go right on time to catch
up with the space station the way you need

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00:01:12,520 --> 00:01:13,520

to.

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00:01:13,520 --> 00:01:16,140

Nail (1:12): Did you watch the launch live outside or did you watch it on the monitors?

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00:01:16,140 --> 00:01:21,670

Spetch (1:15): So, uh, we were over at the, uh, SpaceX Launch Control Center and we ran

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00:01:21,670 --> 00:01:25,229

outside to watch it because you gotta take a look at it outside; you don't really get

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00:01:25,229 --> 00:01:27,170

the effect when you're in the building watching it on the monitors.

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00:01:27,170 --> 00:01:31,689

Nail (1:28): It was just a beautiful launch all the way from start to finish, it seemed

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00:01:31,689 --> 00:01:33,220

to us.

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00:01:33,220 --> 00:01:34,220

How about that landing?

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00:01:34,220 --> 00:01:37,180

Spetch (1:34): Man, it's impressive every time you see it.

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00:01:37,180 --> 00:01:41,759

And, you know, it was great to see this one land successfully.

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00:01:41,759 --> 00:01:46,520

Because we flew this booster on our previous mission, and so this has been one that we've

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00:01:46,520 --> 00:01:48,490
used before and, you know, we'll probably
use again.

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00:01:48,490 --> 00:01:52,329
Nail (1:48): And the Dragon flying on for
the third time now to the International Space

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00:01:52,329 --> 00:01:53,329
Station.

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00:01:53,329 --> 00:01:57,219
Your thoughts on the 5,000 pounds of supplies
and science that are going up?

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00:01:57,219 --> 00:02:00,869
Spetch (1:57): You know, there's dozens
of new investigations going up on this flight.

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00:02:00,869 --> 00:02:04,469
I can't wait for it to get up there and
for them to get started on it.

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00:02:04,469 --> 00:02:09,039
Uh, a couple of really interesting ones that
caught my eye as I was looking through it,

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00:02:09,039 --> 00:02:13,650
looking at, um, a space moss experiment looking
at growing moss in space and seeing how it

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00:02:13,650 --> 00:02:15,610
develops differently that it does down here
on Earth.

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00:02:15,610 --> 00:02:19,659
Um, and obviously that has applications as
you look forward to exploring other planets

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00:02:19,659 --> 00:02:22,440

and, uh, how do things grow.

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00:02:22,440 --> 00:02:27,569

Another one that caught my eye, which is another one for terrestrial use, uh, Goodyear Tire

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00:02:27,569 --> 00:02:32,340

actually has an investigation going up on this one, looking at silica fillers that can

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00:02:32,340 --> 00:02:37,409

improve tire performance, improve gas mileage and approve efficiency for our vehicles and

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00:02:37,409 --> 00:02:38,409

help us out here on the ground.

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00:02:38,409 --> 00:02:40,819

Nail (2:38): And it berths with the space station on Saturday?

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00:02:40,819 --> 00:02:42,370

Spetch (2:41): Saturday morning, yes.

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00:02:42,370 --> 00:02:46,260

Nail (2:42): They'll unload everything into the International Space Station.

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00:02:46,260 --> 00:02:50,450

Um, your thoughts going forward ... there is an international docking adapter that's

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00:02:50,450 --> 00:02:51,450

also going up.

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00:02:51,450 --> 00:02:54,459

Um, it's berthing now with the current docking adapter.

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00:02:54,459 --> 00:03:00,500
It's the same adapter, but now you'll
have two places where the cargo spacecraft

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00:03:00,500 --> 00:03:01,500
can dock?

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00:03:01,500 --> 00:03:06,019
Spetch (3:01): Well, so this actually, this
vehicle goes to the, uh, the bottom port,

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00:03:06,019 --> 00:03:12,110
the nadir port of the Harmony node, um, which
is a uh ... it's a berthing mechanism, in

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00:03:12,110 --> 00:03:13,549
this case of this vehicle.

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00:03:13,549 --> 00:03:15,830
The docking mechanism that we're ... or
the docking adapter that we're bringing

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00:03:15,830 --> 00:03:20,480
up will actually go on the top and matches
the one that we have on the forward of the

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00:03:20,480 --> 00:03:24,370
space station that we docked the SpaceX Demo-1
mission to.

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00:03:24,370 --> 00:03:29,290
And so this one will enable us to have two
docked vehicles to the U.S. side of the station

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00:03:29,290 --> 00:03:35,050
at the same time, allowing us to do crew handovers
more efficiently, and allowing them to talk

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00:03:35,050 --> 00:03:38,610

to each other as they're exchanging things that are going on for one crew that's coming

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00:03:38,610 --> 00:03:42,879

up and the crew that's leaving, um to help really familiarize them with the vehicle and

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00:03:42,879 --> 00:03:45,940

everything that's going on in the current status, uh, live, fact to face.

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00:03:45,940 --> 00:03:48,049

Nail (3:46): And how are you feeling after this launch?

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00:03:48,049 --> 00:03:52,739

Spetch (3:48): Oh, it feels great; it feels really good; um, this is the 18th one for

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00:03:52,739 --> 00:03:54,670

SpaceX under the CRS contract.

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00:03:54,670 --> 00:03:59,629

We've got a couple more left with them under CRS-1, and then it's on to our CRS-2 missions.

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00:03:59,629 --> 00:04:03,390

So it's great, it's, uh, we're really happy to get it going and we look forward

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00:04:03,390 --> 00:04:04,670

to getting it capture on Saturday morning.

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00:04:04,670 --> 00:04:06,550

Nail (4:05): Bill Spetch, thank you for joining us; we appreciate it.

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00:04:06,550 --> 00:04:07,550

Spetch (4:06): No problem, appreciate it.

