
TW@N
THIS WEEK @ NASA

1
00:00:00,160 --> 00:00:05,760
A new crew launches to the space station another\h
crew wraps up an historic mission to the station\h\h

2
00:00:05,760 --> 00:00:10,800
and more time to explore for some planetary\h
science missions a few of the stories to\h\h

3
00:00:10,800 --> 00:00:20,960
tell you about this week at NASA on April 27th\h
the astronauts of NASA's SpaceX crew 4 mission\h\h

4
00:00:20,960 --> 00:00:25,360
launched to the international space station\h
from our Kennedy Space Center in Florida\h\h

5
00:00:25,920 --> 00:00:31,680
later the same day NASA's Kjell Lindgren Bob\h
Hines and Jessica Watkins along with Samantha\h\h

6
00:00:31,680 --> 00:00:37,440
Cristoforetti of the european space agency arrived\h
at the station on board the spacex crew dragon\h\h

7
00:00:37,440 --> 00:00:43,120
spacecraft that they named freedom this is the\h
fourth space station crew rotation mission to fly\h\h

8
00:00:43,120 --> 00:00:50,400
on a spacex crew dragon spacecraft as part of the\h
agency's commercial crew program the crew of axiom\h\h

9
00:00:50,400 --> 00:00:55,280
mission one the first all-private astronaut\h
mission to the international space station\h\h

10
00:00:55,280 --> 00:01:01,440
wrapped up its time on the orbital outpost on\h
April 24th the four-person crew led by commander\h\h

11
00:01:01,440 --> 00:01:07,600
and former NASA astronaut Michael Lopez-Alegria\h
safely returned to earth on April 25th with\h\h

12
00:01:07,600 --> 00:01:13,280
more than 200 pounds of science and supplies\h
including some NASA experiments and hardware\h\h

13
00:01:14,480 --> 00:01:19,440
the planetary science missions of eight NASA\h
spacecraft have been extended for at least\h\h

14
00:01:19,440 --> 00:01:26,400
three years these include mars odyssey the mars\h
reconnaissance orbiter maven the mars science\h\h

15
00:01:26,400 --> 00:01:32,880
laboratory's curiosity rover the insight\h
mars lander osiris-rex new horizons and\h\h

16
00:01:32,880 --> 00:01:38,800
the lunar reconnaissance orbiter the missions were\h
extended because of their scientific productivity\h\h

17
00:01:38,800 --> 00:01:43,920
and potential to deepen our knowledge and\h
understanding of the solar system and beyond\h\h

18
00:01:45,040 --> 00:01:51,600
our ames research center is celebrating three\h
years of the free-flying robotic astro bees busily\h\h

19
00:01:51,600 --> 00:01:58,560
buzzing about the international space station the\h
three robots have put in over 750 hours of work\h\h

20
00:01:58,560 --> 00:02:04,240
and completed more than 100 activities from\h
tech demonstrations to assisting in experiments\h\h

21
00:02:04,880 --> 00:02:10,480
robots like these are essential components of\h
our Artemis program to return humans to the moon\h\h

22
00:02:10,480 --> 00:02:16,640
and to eventually send people to mars unlike\h
the space station future deep space outposts\h\h

23
00:02:16,640 --> 00:02:24,320
may not be crewed year-round and may need robotic\h
autonomous systems to remain operational outside\h\h

24
00:02:24,320 --> 00:02:29,440
the international space station cosmonauts\h
Oleg Artemyev and Denis Matveev of ross\h\h

25
00:02:29,440 --> 00:02:35,840
cosmos conducted a spacewalk on April 28th to\h
continue outfitting the European robotic arm that\h\h

26
00:02:35,840 --> 00:02:41,920
is attached to the Nauka multi-purpose laboratory\h
module future spacewalks are planned to continue\h\h

27
00:02:41,920 --> 00:02:48,800
work on the robotic arm and to activate Naouka's\h
airlock for use on future spacewalks that's what's\h\h