
AFT STBD
IMV VALVE

1
00:00:00,969 --> 00:00:05,060
“Here’s some of the stories trending This
Week at NASA!”

2
00:00:05,060 --> 00:00:09,710
The SpaceX Dragon cargo spacecraft arrived
at the International Space Station on Jan.

3
00:00:09,710 --> 00:00:14,850
12, two days after its launch from Cape Canaveral
Air Force Station in Florida.

4
00:00:14,850 --> 00:00:19,960
SpaceX’s fifth contracted resupply mission
to the ISS includes delivery of more than

5
00:00:19,960 --> 00:00:23,910
two tons of supplies and experiments for the
station’s crew.

6
00:00:23,910 --> 00:00:28,659
For an overview of the newly delivered experiments
– including the Cloud-Aerosol Transport

7
00:00:28,659 --> 00:00:31,449
System, or CATS, visit: www.nasa.gov/spacex.

8
00:00:31,449 --> 00:00:41,140
A pair of briefings Jan. 15 at Johnson Space
Center previewed the first yearlong mission

9
00:00:41,140 --> 00:00:42,670
to the ISS.

10
00:00:42,670 --> 00:00:48,660
On March 27, NASA astronaut Scott Kelly and
cosmonauts Mikhail Kornienko and Gennady Padalka

11
00:00:48,660 --> 00:00:53,920

of the Russian Federal Space Agency will launch
to the station aboard a Soyuz spacecraft.

12
00:00:53,920 --> 00:00:59,390
Padalka will return to Earth in September,
but Kelly and Kornienko will stay until March

13
00:00:59,390 --> 00:01:05,760
2016 to investigate how the human body responds
to longer durations in space – in support

14
00:01:05,760 --> 00:01:09,300
of the next generation of space exploration.

15
00:01:09,300 --> 00:01:16,070
2014 was Earth's warmest year since 1880,
according to an analysis of new surface temperature

16
00:01:16,070 --> 00:01:21,600
data by scientists at NASA's Goddard Institute
of Space Studies (GISS) in New York.

17
00:01:21,600 --> 00:01:26,930
The 10 warmest years in the instrumental record,
with the sole exception of 1998, have now

18
00:01:26,930 --> 00:01:32,340
occurred since 2000, cementing a continued
long-term warming of the planet – with an

19
00:01:32,340 --> 00:01:38,070
average rise in surface temperature of about
1.4 degrees Fahrenheit since 1880.

20
00:01:38,070 --> 00:01:43,170
In an independent analysis of the raw data,
scientists at the National Oceanic and Atmospheric

21
00:01:43,170 --> 00:01:49,190
Administration also found 2014 the warmest

on record.

22
00:01:49,190 --> 00:01:54,200
An RS-25 engine, which will be used to boost
NASA’s Space Launch System rocket to deep

23
00:01:54,200 --> 00:01:59,100
space, recently completed its first successful
test at the Stennis Space Center near Bay

24
00:01:59,100 --> 00:02:00,170
St. Louis, Mississippi.

25
00:02:00,170 --> 00:02:05,620
The 500-second hot fire test was the first
for the former space shuttle main engine,

26
00:02:05,620 --> 00:02:09,520
since the end of shuttle engine testing in
2009.

27
00:02:09,520 --> 00:02:16,490
Four RS-25 engines will power SLS on future
missions, including to an asteroid and Mars.

28
00:02:16,490 --> 00:02:22,980
A recent summit at Ames Research Center provided
details for those interested in participating

29
00:02:22,980 --> 00:02:29,300
in NASA’s Cube Quest Challenge, which offers
a total of $5 million for teams that design,

30
00:02:29,300 --> 00:02:34,440
build and deliver flight-qualified, small
satellites capable of advanced operations

31
00:02:34,440 --> 00:02:36,700
near and beyond the moon.

32
00:02:36,700 --> 00:02:41,390
Winning designs could also fly on Exploration
Mission-1, the first integrated flight of

33
00:02:41,390 --> 00:02:44,640
NASA's Orion spacecraft and Space Launch System
rocket.

34
00:02:44,640 --> 00:02:48,250
And that’s what’s up this week @NASA …