



Amy Leigh Johnson Reporting, LaRC

1
00:00:07,060 --> 00:00:14,530
This Week @NASA...

2
00:00:14,530 --> 00:00:19,310
President Obama and family members arrived
Friday afternoon at the Cape Canaveral AFS

3
00:00:19,310 --> 00:00:22,590
aboard Air
Force One for a visit to NASA's Kennedy

4
00:00:22,590 --> 00:00:25,890
Space Center. The First Family boarded the
Marine One

5
00:00:25,890 --> 00:00:33,400
helicopter and headed to the Orbiter Processing
Facility at KSC for a tour.

6
00:00:33,400 --> 00:00:40,020
Inside the OPF, the Obamas were given a close-up
look of orbiter Atlantis, which is undergoing

7
00:00:40,020 --> 00:00:44,040
pre-flight
preparations for its – and the shuttle program's

8
00:00:44,040 --> 00:00:48,480
final mission, STS-135. That flight has been
targeted for

9
00:00:48,480 --> 00:00:52,630
late June.

10
00:00:52,630 --> 00:00:57,630
The president also visited Kennedy's Launch
Control Center, where he briefly met and talked

11
00:00:57,630 --> 00:01:00,130

with
Endeavour commander, Mark Kelly and the five

12
00:01:00,130 --> 00:01:03,720
other STS-134 crew members.

13
00:01:03,720 --> 00:01:09,110
Less than three hours after their arrival,
the Obamas were bound for Miami, where the

14
00:01:09,110 --> 00:01:13,640
president was
scheduled to deliver a commencement address

15
00:01:13,640 --> 00:01:17,659
The scheduled launch of space shuttle Endeavour
around which the president's visit had been

16
00:01:17,659 --> 00:01:21,240
planned
was scrubbed due to a heater problem on one

17
00:01:21,240 --> 00:01:24,210
of the orbiter's three Auxiliary Power Units.

18
00:01:24,210 --> 00:01:28,270
"Today the Orbiter is not ready to fly and
as we always say in this business, we will

19
00:01:28,270 --> 00:01:31,600
not fly before we're
ready, so that's the case we're in today."

20
00:01:31,600 --> 00:01:37,009
The APUs provide hydraulic power to steer
the shuttle during ascent and entry. Heaters

21
00:01:37,009 --> 00:01:42,950
keep the APUs'
hydrazine from freezing on orbit.

22
00:01:42,950 --> 00:01:48,369
NASA joined forces with the U.S. Agency for
International Development to collaborate on

23
00:01:48,369 --> 00:01:51,850
helping find
scientific and technological solutions to

24
00:01:51,850 --> 00:01:55,959
worldwide problems. The two agencies sealed
their partnership

25
00:01:55,959 --> 00:02:00,889
with the signing of a memorandum of understanding
at a ceremony held in Headquarters' Webb

26
00:02:00,889 --> 00:02:01,889
Auditorium.

27
00:02:01,889 --> 00:02:04,569
(applause)

28
00:02:04,569 --> 00:02:10,390
Under this formal agreement, NASA and USAID
will tackle challenges like global health,

29
00:02:10,390 --> 00:02:14,530
climate change,
food security, and disaster mitigation and

30
00:02:14,530 --> 00:02:15,530
response.

31
00:02:15,530 --> 00:02:20,590
"Our new MOU will serve to document our
mutual commitment to expanding our efforts

32
00:02:20,590 --> 00:02:25,750

in this and other
important programs. NASA and USAID are also

33
00:02:25,750 --> 00:02:32,200
working to turn breakthrough science and technology
innovations into real applications of benefit

34
00:02:32,200 --> 00:02:35,769
to both agencies and most importantly to people
around the

35
00:02:35,769 --> 00:02:36,769
world. “

36
00:02:36,769 --> 00:02:42,099
“To bring together, NASA representing all
of what we can do when we put our minds together

37
00:02:42,099 --> 00:02:45,470
and try to
solve tough problems and USAID representing

38
00:02:45,470 --> 00:02:50,450
our challenge of getting our values and core
compassion and

39
00:02:50,450 --> 00:02:55,280
commitments transmitted to the farthest corners
of the globe; it’s just a very special and

40
00:02:55,280 --> 00:02:58,250
unique opportunity
for me to join.”

41
00:02:58,250 --> 00:03:05,630
Highlighted were SERVIR and LAUNCH, two NASA-USAID
programs already working to improve life on

42
00:03:05,630 --> 00:03:11,829
our home planet. NASA and USAID employees

were joined in the audience by area high school

43

00:03:11,829 --> 00:03:13,520

and
university students.

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00:03:13,520 --> 00:03:19,180

“The first time we ever put anybody into
space and Al was a good person to represent

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00:03:19,180 --> 00:03:25,739

us on that. He was
outstanding and he deserved it.

46

00:03:25,739 --> 00:03:29,060

“We were always proud of him.”

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00:03:29,060 --> 00:03:34,969

Alan B. Shepard Jr., the first American in
space, was posthumously honored with NASA's

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00:03:34,969 --> 00:03:38,360

Ambassador
of Exploration Award during a ceremony held

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00:03:38,360 --> 00:03:42,769

at the U.S. Naval Academy Museum in Annapolis,
Md.

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00:03:42,769 --> 00:03:48,510

Shepard graduated from the Naval Academy and,
in April 1959, was selected as one of NASA's

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00:03:48,510 --> 00:03:53,091

original
seven Mercury astronauts. On May 5, 1961,

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00:03:53,091 --> 00:03:56,420

he launched from Cape Canaveral, Fla., aboard
the Freedom

53
00:03:56,420 --> 00:04:04,409
7 spacecraft on a 15-minute, suborbital flight
that carried him to an altitude of 116 miles,

54
00:04:04,409 --> 00:04:05,840
and into the
history books.

55
00:04:05,840 --> 00:04:08,120
"Roger 2-G, Cabin Holding"

56
00:04:08,120 --> 00:04:15,129
"That was part of my life, was the challenge.
And here you had, yes a new environment but,

57
00:04:15,129 --> 00:04:20,700
for fighter
pilots who fly upside down a lot of the time,

58
00:04:20,700 --> 00:04:22,751
zero gravity wasn't that big of a deal."

59
00:04:22,751 --> 00:04:28,050
Shepard's family was presented with the
award, a moon rock encased in Lucite.

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00:04:28,050 --> 00:04:34,259
"Julie, Alice and I take great pride in
presenting NASA's Ambassador of Exploration

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00:04:34,259 --> 00:04:39,620
award to the United
States Naval Academy for display in the Naval

62
00:04:39,620 --> 00:04:41,500
Academy museum."

63
00:04:41,500 --> 00:04:47,530

The sample was among the 842 pounds of lunar material collected during six Apollo missions

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00:04:47,530 --> 00:04:52,419

from 1969

to 1972. During Shepard's second spaceflight,

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00:04:52,419 --> 00:04:56,340

as the commander of Apollo 14, he and crewmate Edgar

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00:04:56,340 --> 00:05:00,789

Mitchell activated a number of scientific instruments and collected and returned to

67

00:05:00,789 --> 00:05:04,090

earth almost 100

pounds of lunar samplings.

68

00:05:04,090 --> 00:05:10,289

The Ambassador of Exploration Award recognizes the sacrifices and dedication of the Apollo,

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00:05:10,289 --> 00:05:13,819

Gemini

and Mercury astronauts and others who supported

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00:05:13,819 --> 00:05:17,800

America's journeys to the moon.

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00:05:17,800 --> 00:05:23,520

Shepard's Freedom 7 flight was among the key moments in human spaceflight history celebrated

72

00:05:23,520 --> 00:05:27,020

and

discussed at a symposium at NASA headquarters.

73

00:05:27,020 --> 00:05:30,229

Sponsored by the agency's History Program

Office

74
00:05:30,229 --> 00:05:34,949
and the Smithsonian's National Air and Space
Museum Division of Space History, the joint

75
00:05:34,949 --> 00:05:38,380
event
focused on 50 years of human spaceflight using

76
00:05:38,380 --> 00:05:44,300
1961 and 1981 as focal points for broader
investigation

77
00:05:44,300 --> 00:05:47,360
and dialogue.

78
00:05:47,360 --> 00:05:52,970
After more than 30 years of space travel,
NASA's twin Voyagers drift closer to the

79
00:05:52,970 --> 00:05:56,940
edge of our solar
system. Scientists and flight managers talked

80
00:05:56,940 --> 00:06:00,550
about what the two spacecraft are exploring
right now and

81
00:06:00,550 --> 00:06:05,840
their impact on history during a special Science
Update at NASA headquarters.

82
00:06:05,840 --> 00:06:11,110
"Every three years Voyager I travels one
billion miles, so we shouldn't have too

83
00:06:11,110 --> 00:06:16,710
many more years to wait
before we pass the next major milestone in

84

00:06:16,710 --> 00:06:18,720

humanities farthest journey.”

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00:06:18,720 --> 00:06:26,080

Voyagers 1 and 2 and were launched in September and August of 1977. They continue to operate

86

00:06:26,080 --> 00:06:28,780

and

return data from a full complement of science

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00:06:28,780 --> 00:06:32,500

instruments. Scientists believe that both spacecraft may

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00:06:32,500 --> 00:06:39,000

have enough electrical power and propellant to continue their mission through 2025. Poised

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00:06:39,000 --> 00:06:42,320

to enter the

area known as interstellar space just a few

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00:06:42,320 --> 00:06:47,261

short years away, the Voyagers are more than 9 billion miles

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00:06:47,261 --> 00:06:50,640

from our sun.

92

00:06:50,640 --> 00:06:53,730

And now, Centerpieces...

93

00:06:53,730 --> 00:07:01,729

Promoting student participation in STEM, science, technology, engineering and math courses and

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00:07:01,729 --> 00:07:06,940

careers got a boost from recording artist
Pharrell Williams, who along with NASA, hosted

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00:07:06,940 --> 00:07:10,050

an education
event at Williams Farm Park in Virginia Beach,

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00:07:10,050 --> 00:07:13,099

Va. designed to encourage students to pursue
these

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00:07:13,099 --> 00:07:14,270

fields.

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00:07:14,270 --> 00:07:19,409

Williams, a Hampton Roads, Va., native and
Leland Melvin, NASA's Associate Administrator

99

00:07:19,409 --> 00:07:22,090

for
Education and former astronaut spoke during

100

00:07:22,090 --> 00:07:25,110

the program and encouraged students to follow
their

101

00:07:25,110 --> 00:07:26,110

dreams.

102

00:07:26,110 --> 00:07:32,550

"STEM stands for Science, Technology, Engineering
and Math. You guys are the future and there's

103

00:07:32,550 --> 00:07:34,580

nothing you can't do."

104

00:07:34,580 --> 00:07:43,510

"It takes action; it takes hard work; it
takes dedication; it takes belief in yourself."

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00:07:43,510 --> 00:07:47,770

More than 500 Hampton Roads area students, who were part of NASA's inaugural Summer

106

00:07:47,770 --> 00:07:51,340

of Innovation camps last year, took part in the day's

107

00:07:51,340 --> 00:07:54,099

activities, which featured NASA exhibits and showcased student

108

00:07:54,099 --> 00:07:56,199

accomplishments completed during camp.

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00:07:56,199 --> 00:08:01,020

Along with NASA, the event was sponsored by Williams' charitable organization, From

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00:08:01,020 --> 00:08:05,460

One Hand to Another. In 2013, if all goes as planned,

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00:08:05,460 --> 00:08:08,240

the Williams Farm Park will be the site of the Charities future

112

00:08:08,240 --> 00:08:12,819

Resource Center which will feature academic enrichment programs and engage youth in STEM

113

00:08:12,819 --> 00:08:13,819

activities.

114

00:08:13,819 --> 00:08:19,370

NASA's Summer of Innovation is a key part of President Obama's Educate to Innovate campaign,

115

00:08:19,370 --> 00:08:24,919

launched to keep middle school students engaged during school breaks.