



1
00:00:03,269 --> 00:00:00,833
>>> HERE'S SOME OF THE STORIES

2
00:00:04,570 --> 00:00:03,403
TRENDING "THIS WEEK AT NASA!"

3
00:00:05,738 --> 00:00:04,704
>>> IT WAS A BUSY WEEK FOR THE

4
00:00:07,006 --> 00:00:05,872
CREW ABOARD THE INTERNATIONAL

5
00:00:08,407 --> 00:00:07,140
SPACE STATION.

6
00:00:10,443 --> 00:00:08,541
THE JAPANESE AEROSPACE

7
00:00:12,845 --> 00:00:10,577
EXPLORATION AGENCY'S FIFTH H-II

8
00:00:15,681 --> 00:00:12,979
TRANSFER VEHICLE, OR

9
00:00:16,782 --> 00:00:15,815
HTV-5 ARRIVED ON AUGUST 24 WITH

10
00:00:17,883 --> 00:00:16,916
MORE THAN 8,000 POUNDS OF

11
00:00:20,486 --> 00:00:18,017
EQUIPMENT, SUPPLIES AND

12
00:00:21,287 --> 00:00:20,620
EXPERIMENTS IN ITS PRESSURIZED

13
00:00:22,488 --> 00:00:21,421

CARGO COMPARTMENT.

14

00:00:24,123 --> 00:00:22,622

THE DELIVERY INCLUDED AN

15

00:00:25,124 --> 00:00:24,257

INVESTIGATION THAT WILL SEARCH

16

00:00:25,991 --> 00:00:25,258

FOR SIGNATURES OF DARK MATTER,

17

00:00:28,060 --> 00:00:26,125

AS WELL AS ENOUGH ADDITIONAL

18

00:00:31,464 --> 00:00:28,194

FOOD AND SUPPLIES TO LAST

19

00:00:32,832 --> 00:00:31,598

THROUGH 2015.

20

00:00:35,434 --> 00:00:32,966

>>> FOUR DAYS AFTER HTV-5'S

21

00:00:38,104 --> 00:00:35,568

ARRIVAL, EXPEDITION

22

00:00:39,071 --> 00:00:38,238

44 CREWMEMBERS, INCLUDING NASA'S

23

00:00:40,272 --> 00:00:39,205

SCOTT KELLY, UNDOCKED THEIR

24

00:00:41,574 --> 00:00:40,406

SOYUZ SPACECRAFT FROM THE

25

00:00:43,075 --> 00:00:41,708

STATION'S POISK MODULE AND MOVED

26
00:00:44,276 --> 00:00:43,209
IT TO THE AFT PORT OF THE ZVEZDA

27
00:00:45,778 --> 00:00:44,410
SERVICE MODULE.

28
00:00:47,213 --> 00:00:45,912
THE RELOCATION CLEARED POISK FOR

29
00:00:50,116 --> 00:00:47,347
THE ARRIVAL OF EXPEDITION

30
00:00:51,250 --> 00:00:50,250
45 COMMANDER SERGEI VOLKOV AND

31
00:00:53,619 --> 00:00:51,384
VISITING CREW MEMBERS ANDREAS

32
00:00:54,854 --> 00:00:53,753
MOGENSEN AND AIDYN AIMBETOV, WHO

33
00:00:58,691 --> 00:00:54,988
ARE SCHEDULED TO LAUNCH TO THE

34
00:01:00,559 --> 00:00:58,825
STATION ON SEPTEMBER 2.

35
00:01:02,461 --> 00:01:00,693
>>> ON AUGUST 26, A TEST VERSION

36
00:01:04,430 --> 00:01:02,595
OF NASA'S ORION SPACECRAFT,

37
00:01:06,265 --> 00:01:04,564
DROPPED BY A C-17 AIRCRAFT ABOUT

38
00:01:08,300 --> 00:01:06,399

35,000 FEET ABOVE THE ARIZONA

39

00:01:10,669 --> 00:01:08,434

DESERT, TOUCHED DOWN SAFELY

40

00:01:11,937 --> 00:01:10,803

DESPITE ENGINEERS CAUSING TWO OF

41

00:01:13,806 --> 00:01:12,071

ITS PARACHUTES TO MALFUNCTION ON

42

00:01:15,608 --> 00:01:13,940

PURPOSE.

43

00:01:16,942 --> 00:01:15,742

ORION'S PARACHUTE SYSTEM IS A

44

00:01:18,310 --> 00:01:17,076

CRITICAL PART OF RETURNING CREWS

45

00:01:20,546 --> 00:01:18,444

TO EARTH FOLLOWING FUTURE DEEP

46

00:01:21,814 --> 00:01:20,680

SPACE MISSIONS.

47

00:01:23,749 --> 00:01:21,948

THIS WAS THE NEXT TO LAST TEST

48

00:01:25,451 --> 00:01:23,883

BEFORE EVALUATIONS BEGIN NEXT

49

00:01:30,723 --> 00:01:25,585

YEAR TO QUALIFY THE PARACHUTE

50

00:01:31,857 --> 00:01:30,857

SYSTEM FOR CREWED FLIGHTS.

51
00:01:33,092 --> 00:01:31,991
>>> NASA'S "RISING SEAS" EVENTS

52
00:01:34,693 --> 00:01:33,226
PROVIDED A GLOBAL OUTLOOK ON

53
00:01:35,694 --> 00:01:34,827
CURRENT CONDITIONS AND FUTURE

54
00:01:38,297 --> 00:01:35,828
PROJECTIONS OF SEA LEVEL RISE.

55
00:01:40,266 --> 00:01:38,431
OVER THE COURSE OF SEVERAL DAYS,

56
00:01:41,534 --> 00:01:40,400
NASA EXPERTS DISCUSSED FIELDWORK

57
00:01:42,535 --> 00:01:41,668
CONDUCTED ON THE GREENLAND ICE

58
00:01:44,570 --> 00:01:42,669
SHEET THIS SUMMER, NEW SATELLITE

59
00:01:47,173 --> 00:01:44,704
VIEWS OF SEA LEVEL CHANGES

60
00:01:49,074 --> 00:01:47,307
AROUND THE WORLD AND OTHER DATA

61
00:01:50,409 --> 00:01:49,208
USED IN THE LATEST SCIENTIFIC

62
00:01:52,211 --> 00:01:50,543
ASSESSMENT OF THIS WORLDWIDE

63
00:01:53,746 --> 00:01:52,345

ENVIRONMENTAL ISSUE.

64
00:01:55,414 --> 00:01:53,880
RESEARCHERS AROUND THE WORLD USE

65
00:01:56,749 --> 00:01:55,548
NASA DATA CAPTURED FROM THE

66
00:01:58,350 --> 00:01:56,883
VANTAGE POINT OF SPACE, TO

67
00:02:00,186 --> 00:01:58,484
TACKLE TOUGH QUESTIONS ABOUT SEA

68
00:02:04,223 --> 00:02:00,320
LEVEL RISE AND OTHER WAYS IN

69
00:02:05,291 --> 00:02:04,357
WHICH OUR PLANET IS CHANGING.

70
00:02:07,026 --> 00:02:05,425
>>> A REMEMBRANCE CEREMONY WAS

71
00:02:08,460 --> 00:02:07,160
HELD ON AUGUST 27 AT NASA'S

72
00:02:09,695 --> 00:02:08,594
MICHoud ASSEMBLY FACILITY IN NEW

73
00:02:11,230 --> 00:02:09,829
ORLEANS, TO MARK THE 10TH

74
00:02:13,132 --> 00:02:11,364
ANNIVERSARY OF HURRICANE

75
00:02:14,433 --> 00:02:13,266
KATRINA.

76
00:02:15,968 --> 00:02:14,567
THE EVENT HONORED 38 MICHLOUD

77
00:02:18,204 --> 00:02:16,102
EMPLOYEES WHO PROTECTED CRITICAL

78
00:02:19,838 --> 00:02:18,338
SPACE HARDWARE DURING THE STORM,

79
00:02:21,040 --> 00:02:19,972
AS WELL AS THE EFFORTS OF OTHERS

80
00:02:23,275 --> 00:02:21,174
ACROSS THE REGION TO HELP BRING

81
00:02:25,544 --> 00:02:23,409
RECOVERY TO THE AREA.

82
00:02:26,879 --> 00:02:25,678
A REMEMBRANCE WAS ALSO HELD AT

83
00:02:28,714 --> 00:02:27,013
NEARBY STENNIS SPACE CENTER IN

84
00:02:31,183 --> 00:02:28,848
SOUTHERN MISSISSIPPI FEATURING

85
00:02:32,318 --> 00:02:31,317
RETIRED U.S. ARMY LT. GENERAL

86
00:02:34,320 --> 00:02:32,452
RUSSEL HONORE, COMMANDER OF

87
00:02:35,487 --> 00:02:34,454
JOINT TASK FORCE KATRINA.

88
00:02:36,989 --> 00:02:35,621

MICHOUD AND STENNIS HAVE AND

89

00:02:38,557 --> 00:02:37,123

WILL CONTINUE TO PLAY CRITICAL

90

00:02:42,228 --> 00:02:38,691

ROLES IN HELPING NASA ACHIEVE

91

00:02:43,862 --> 00:02:42,362

ITS SPACE EXPLORATION GOALS.

92

00:02:45,331 --> 00:02:43,996

>>> AT LANGLEY RESEARCH CENTER,

93

00:02:46,632 --> 00:02:45,465

A SERIES OF CRASH TESTS WITH A

94

00:02:50,135 --> 00:02:46,766

CESSNA 172 AIRCRAFT CONCLUDED ON

95

00:02:53,305 --> 00:02:50,269

AUGUST 26 WITH A SIMULATED TAIL

96

00:02:57,276 --> 00:02:53,439

FIRST CRASH TO TEST THE ONBOARD

97

00:02:58,978 --> 00:02:57,410

EMERGENCY LOCATOR TRANSMITTERS.

98

00:03:00,679 --> 00:02:59,112

THE DEVICES ARE INSTALLED ON

99

00:03:02,181 --> 00:03:00,813

GENERAL AVIATION AND COMMERCIAL

100

00:03:04,883 --> 00:03:02,315

PLANES TO TRANSMIT A LOCATION

101
00:03:06,085 --> 00:03:05,017
SIGNAL IN THE EVENT OF A CRASH.

102
00:03:07,820 --> 00:03:06,219
THE RESEARCH IS FUNDED BY NASA'S

103
00:03:11,223 --> 00:03:07,954
SEARCH AND RESCUE MISSION OFFICE

104
00:03:12,591 --> 00:03:11,357
AT GODDARD SPACE FLIGHT CENTER.

105
00:03:15,160 --> 00:03:12,725
>>> ON AUGUST 25, THE FLIGHT

106
00:03:16,895 --> 00:03:15,294
BACKPLANE FOR NASA'S JAMES WEBB

107
00:03:17,997 --> 00:03:17,029
SPACE TELESCOPE ARRIVED AT

108
00:03:19,164 --> 00:03:18,131
GODDARD SPACE FLIGHT CENTER, ON

109
00:03:21,133 --> 00:03:19,298
SCHEDULE FOR THE OBSERVATORY'S

110
00:03:22,901 --> 00:03:21,267
2018 LAUNCH DATE.

111
00:03:24,203 --> 00:03:23,035
THE BACKPLANE IS THE SPINE OF

112
00:03:25,471 --> 00:03:24,337
THE TELESCOPE AND ONE OF ITS

113
00:03:26,805 --> 00:03:25,605

MOST CRUCIAL COMPONENTS --

114

00:03:28,674 --> 00:03:26,939

RESPONSIBLE FOR HOLDING ITS

115

00:03:29,875 --> 00:03:28,808

18 HEXAGONAL MIRRORS AND ITS

116

00:03:33,012 --> 00:03:30,009

INSTRUMENTS STEADY WHILE THE

117

00:03:34,513 --> 00:03:33,146

TELESCOPE PEERS INTO DEEP SPACE.

118

00:03:35,848 --> 00:03:34,647

THE SCIENTIFIC SUCCESSOR TO

119

00:03:36,949 --> 00:03:35,982

NASA'S HUBBLE SPACE TELESCOPE,

120

00:03:38,117 --> 00:03:37,083

THE WEBB WILL BE THE MOST

121

00:03:41,620 --> 00:03:38,251

POWERFUL SPACE TELESCOPE EVER

122

00:03:42,855 --> 00:03:41,754

BUILT.

123

00:03:44,757 --> 00:03:42,989

>>> ASTRONOMERS USING THE HUBBLE

124

00:03:46,458 --> 00:03:44,891

SPACE TELESCOPE HAVE FOUND THAT

125

00:03:47,726 --> 00:03:46,592

TWO CENTRAL BLACK HOLES WHIRLING

126
00:03:49,328 --> 00:03:47,860
ABOUT EACH OTHER, POWER

127
00:03:50,829 --> 00:03:49,462
MARKARIAN 231 -- THE CLOSEST

128
00:03:53,065 --> 00:03:50,963
GALAXY TO EARTH THAT HOSTS A

129
00:03:54,800 --> 00:03:53,199
QUASAR.

130
00:03:56,935 --> 00:03:54,934
THE FINDING SUGGESTS QUASARS,

131
00:03:58,103 --> 00:03:57,069
WHICH ARE INTENSE BRIGHT SPOTS

132
00:04:00,105 --> 00:03:58,237
FOUND IN CENTERS OF GALAXIES,

133
00:04:01,674 --> 00:04:00,239
CAN BE CREATED BY

134
00:04:03,575 --> 00:04:01,808
DOUBLE-SUPERMASSIVE BLACK HOLES

135
00:04:05,044 --> 00:04:03,709
THAT FRANTICALLY ORBIT EACH

136
00:04:06,145 --> 00:04:05,178
OTHER, GENERATING TREMENDOUS

137
00:04:08,380 --> 00:04:06,279
AMOUNTS OF ENERGY IN THE

138
00:04:09,114 --> 00:04:08,514

PROCESS.

139

00:04:10,549 --> 00:04:09,248

AND THAT'S WHAT'S UP "THIS WEEK

140

00:04:11,617 --> 00:04:10,683

AT NASA."

141

00:04:12,851 --> 00:04:11,751

FOR MORE ON THESE AND OTHER

142

00:04:13,852 --> 00:04:12,985

STORIES FOLLOW US ON SOCIAL