



1
00:00:05,539 --> 00:00:02,840
25 years after one of the most tragic

2
00:00:07,249 --> 00:00:05,549
moments in NASA's history the service

3
00:00:08,660 --> 00:00:07,259
paid by the crew of the space shuttle

4
00:00:11,150 --> 00:00:08,670
Challenger to the goal of space

5
00:00:13,580 --> 00:00:11,160
exploration continues to echo in our

6
00:00:16,160 --> 00:00:13,590
national consciousness you know those of

7
00:00:17,560 --> 00:00:16,170
us who are old enough to remember you

8
00:00:20,840 --> 00:00:17,570
know you we can probably tell you

9
00:00:23,060 --> 00:00:20,850
exactly where they were or what they

10
00:00:26,779 --> 00:00:23,070
were doing you know the morning of

11
00:00:29,080 --> 00:00:26,789
January 28th 1986 when we lost the space

12
00:00:31,339 --> 00:00:29,090
shuttle Challenger in her crew of seven

13
00:00:34,459 --> 00:00:31,349

much like the assassination of President

14

00:00:38,080 --> 00:00:34,469

Kennedy the Apollo 11 landing on the

15

00:00:41,389 --> 00:00:38,090

moon September 11th 2001

16

00:00:44,660 --> 00:00:41,399

all of these are moments that define our

17

00:00:46,639 --> 00:00:44,670

history the NASA family paused Friday to

18

00:00:49,040 --> 00:00:46,649

recall the loss of the astronauts and

19

00:00:52,700 --> 00:00:49,050

the shuttle launching on a cold morning

20

00:00:54,799 --> 00:00:52,710

January 28 1986 the shuttle suffered a

21

00:00:58,130 --> 00:00:54,809

fatal breach in one of its solid rocket

22

00:01:00,170 --> 00:00:58,140

boosters hot gases escaped the Boosters

23

00:01:02,299 --> 00:01:00,180

casing and ruptured the external fuel

24

00:01:05,179 --> 00:01:02,309

tank challenger was bolted to during its

25

00:01:06,859 --> 00:01:05,189

climb into space the shuttle broke up

26

00:01:09,950 --> 00:01:06,869

instantly when the propellants in the

27

00:01:13,130 --> 00:01:09,960

tank ignited what should have been a day

28

00:01:15,830 --> 00:01:13,140

heralded for education turned to tragedy

29

00:01:19,249 --> 00:01:15,840

in a split second our loved ones were

30

00:01:22,760 --> 00:01:19,259

gone I nation grieved and our future

31

00:01:25,850 --> 00:01:22,770

looked uncertain challenger was opening

32

00:01:27,649 --> 00:01:25,860

space access further on the STS 51I

33

00:01:32,270 --> 00:01:27,659

mission by including a schoolteacher

34

00:01:34,190 --> 00:01:32,280

Christa McAuliffe astronaut Francis dick

35

00:01:36,350 --> 00:01:34,200

Scobee commanded the mix of veteran

36

00:01:39,499 --> 00:01:36,360

astronauts and first-time fliers for the

37

00:01:42,260 --> 00:01:39,509

Challenger mission Michael Smith served

38

00:01:45,080 --> 00:01:42,270

as pilot while Ellison Onizuka Judy

39
00:01:48,260 --> 00:01:45,090
Resnik and Ronald McNair flew as mission

40
00:01:51,859 --> 00:01:48,270
specialists engineer Greg Jarvis served

41
00:01:54,560 --> 00:01:51,869
as a payload specialist what we do as

42
00:01:59,149 --> 00:01:54,570
explorers is not easy Michael

43
00:02:02,870 --> 00:01:59,159
dick Ronald Ellison Christa Gregory and

44
00:02:05,330 --> 00:02:02,880
Judy knew this and accepted the risk in

45
00:02:06,380 --> 00:02:05,340
the two-and-a-half decades since the

46
00:02:08,749 --> 00:02:06,390
mission was lost

47
00:02:11,210 --> 00:02:08,759
NASA set out to learn important lessons

48
00:02:13,550 --> 00:02:11,220
from challenger the shuttles were

49
00:02:15,440 --> 00:02:13,560
modified processes were revoked

50
00:02:18,350 --> 00:02:15,450
and attitudes covering everything from

51
00:02:20,540 --> 00:02:18,360
safety to flight rules were improved the

52
00:02:22,820 --> 00:02:20,550
sacrifice of these seven contributed

53
00:02:24,800 --> 00:02:22,830
greatly to me being able to fly in a far

54
00:02:27,500 --> 00:02:24,810
safer far better far more effective

55
00:02:29,420 --> 00:02:27,510
space shuttle McAuliffe's mission of

56
00:02:31,729 --> 00:02:29,430
teaching from space was not forgotten

57
00:02:34,040 --> 00:02:31,739
either her backup Barbara Morgan

58
00:02:35,990 --> 00:02:34,050
returned to the astronaut corps and flew

59
00:02:39,589 --> 00:02:36,000
into space as a mission specialist on

60
00:02:41,300 --> 00:02:39,599
sts-118 she showed students all over the

61
00:02:43,250 --> 00:02:41,310
world principles of physics and

62
00:02:46,550 --> 00:02:43,260
microgravity from the unique classroom

63
00:02:49,340 --> 00:02:46,560

of the International Space Station if we

64

00:02:52,220 --> 00:02:49,350

didn't somehow continue challengers

65

00:02:55,039 --> 00:02:52,230

mission of education that our loved ones

66

00:02:56,750 --> 00:02:55,049

would have died in vain families of the

67

00:02:58,250 --> 00:02:56,760

Challenger crew opened a series of

68

00:03:00,320 --> 00:02:58,260

challenger centers to teach

69

00:03:03,259 --> 00:03:00,330

schoolchildren about science engineering

70

00:03:05,770 --> 00:03:03,269

and math ultimately the Challenger crew

71

00:03:09,259 --> 00:03:05,780

along with the astronauts of Columbia's

72

00:03:11,030 --> 00:03:09,269

sts-107 and Apollo one can be seen as

73

00:03:12,830 --> 00:03:11,040

people look into space and see the

74

00:03:15,289 --> 00:03:12,840

sunlight reflected off the International

75

00:03:19,220 --> 00:03:15,299

Space Station or the large satellites

76

00:03:22,039 --> 00:03:19,230

the shuttles carried into orbit the

77

00:03:24,349 --> 00:03:22,049

entire world knew how the Challenger

78

00:03:26,900 --> 00:03:24,359

crew died we wanted the world to know

79

00:03:30,289 --> 00:03:26,910

how they lived and for what they were

80

00:03:32,090 --> 00:03:30,299

risking their lives Challenger wasn't

81

00:03:36,050 --> 00:03:32,100

the final chapter in the book of space

82

00:03:40,819 --> 00:03:36,060

exploration just a transition chapter in