



1
00:00:14,780 --> 00:00:13,339
from Kitty Hawk to Cape Kennedy nasa the

2
00:00:17,779 --> 00:00:14,790
national aeronautics and space

3
00:00:30,019 --> 00:00:17,789
administration presents aeronautics and

4
00:00:35,270 --> 00:00:30,029
space report space highlights 1965 an

5
00:00:39,900 --> 00:00:38,100
these pictures telecast live from the

6
00:00:42,030 --> 00:00:39,910
moon were recorded by the Ranger 9

7
00:00:44,100 --> 00:00:42,040
spacecraft just before it slammed into

8
00:00:46,229 --> 00:00:44,110
the lunar surface this was the final

9
00:00:48,030 --> 00:00:46,239
mission in the Ranger series a series

10
00:00:51,330 --> 00:00:48,040
which gave us a close-up look at the

11
00:00:53,280 --> 00:00:51,340
moon and clues to its character another

12
00:00:56,430 --> 00:00:53,290
picture taking highlight Mariner fours

13
00:00:58,650 --> 00:00:56,440

voyage to Mars a 325 million mile

14

00:01:00,509 --> 00:00:58,660

journey that returned the first pictures

15

00:01:03,270 --> 00:01:00,519

and data ever gathered close to the

16

00:01:05,280 --> 00:01:03,280

mysterious red planet there were two

17

00:01:09,420 --> 00:01:05,290

tyros weather satellites placed in orbit

18

00:01:11,940 --> 00:01:09,430

tyros 9 and Tyros 10 between them they

19

00:01:14,219 --> 00:01:11,950

spotted five hurricanes and 14 typhoons

20

00:01:16,050 --> 00:01:14,229

their television eyes transmitted

21

00:01:19,800 --> 00:01:16,060

thousands of photographs of the entire

22

00:01:21,420 --> 00:01:19,810

Earth to aid weather forecasters early

23

00:01:23,700 --> 00:01:21,430

bird won the world's first commercial

24

00:01:25,620 --> 00:01:23,710

communication satellite was launched by

25

00:01:27,840 --> 00:01:25,630

NASA for the communication satellite

26

00:01:30,590 --> 00:01:27,850

corporation early bird provides

27

00:01:32,730 --> 00:01:30,600

telephone telegraph high-speed data and

28

00:01:35,850 --> 00:01:32,740

television between Europe and the United

29

00:01:37,529 --> 00:01:35,860

States one of the 14 scientific

30

00:01:40,740 --> 00:01:37,539

satellites launched was an orbiting

31

00:01:42,870 --> 00:01:40,750

solar observatory also to all souls

32

00:01:45,030 --> 00:01:42,880

instruments provided information on the

33

00:01:47,580 --> 00:01:45,040

seething hot gases surrounding the Sun

34

00:01:50,880 --> 00:01:47,590

and how its tremendous energy controls

35

00:01:53,249 --> 00:01:50,890

events on earth and other planets more

36

00:01:56,520 --> 00:01:53,259

than 400 sounding rockets were launched

37

00:01:58,289 --> 00:01:56,530

during 1965 sounding rockets vertically

38

00:02:00,210 --> 00:01:58,299

probed the region between the limits of

39

00:02:02,730 --> 00:02:00,220

balloon flights and the lowest orbital

40

00:02:04,740 --> 00:02:02,740

satellites NASA conducted many of these

41

00:02:07,920 --> 00:02:04,750

launches in cooperation with 16

42

00:02:10,050 --> 00:02:07,930

countries in aeronautical research the

43

00:02:13,590 --> 00:02:10,060

x-15 rocket airplane sword to the

44

00:02:15,600 --> 00:02:13,600

fringes of space more than 30 times new

45

00:02:18,930 --> 00:02:15,610

instrumentation was installed in the

46

00:02:20,580 --> 00:02:18,940

xb-70 2,000 miles an hour airplane these

47

00:02:23,670 --> 00:02:20,590

studies are helping to design this

48

00:02:25,920 --> 00:02:23,680

country's supersonic transport also

49

00:02:28,050 --> 00:02:25,930

tested were vertical takeoff and landing

50

00:02:31,740 --> 00:02:28,060

planes which may someday revolutionize

51
00:02:33,720 --> 00:02:31,750
air travel Saturn won the first

52
00:02:35,670 --> 00:02:33,730
generation in a series of rockets which

53
00:02:38,090 --> 00:02:35,680
will ultimately place men on the moon

54
00:02:40,550 --> 00:02:38,100
completed three successful launching

55
00:02:42,440 --> 00:02:40,560
here being static fired while the

56
00:02:45,340 --> 00:02:42,450
engines which will actually lift the

57
00:02:48,440 --> 00:02:45,350
saturn moon rocket off the launch pad

58
00:02:53,330 --> 00:02:48,450
the Apollo spacecraft also underwent

59
00:02:55,040 --> 00:02:53,340
rigorous testing paving the way for the

60
00:02:57,230 --> 00:02:55,050
flights to the moon astronauts Virgil

61
00:02:59,270 --> 00:02:57,240
Grissom and John Young proved Gemini

62
00:03:01,130 --> 00:02:59,280
ready for longer and more complicated

63
00:03:04,280 --> 00:03:01,140

missions with their three orbits of the

64

00:03:07,190 --> 00:03:04,290

earth next our first long-duration

65

00:03:09,290 --> 00:03:07,200

mission the four days of Gemini 4 with

66

00:03:11,630 --> 00:03:09,300

James McDivitt and Edward white piloting

67

00:03:14,720 --> 00:03:11,640

the highlight of course was White's 22

68

00:03:16,520 --> 00:03:14,730

minute walk in space Gordon Cooper and

69

00:03:19,070 --> 00:03:16,530

Charles Conrad demonstrated that an

70

00:03:21,110 --> 00:03:19,080

eight-day lunar mission is feasible they

71

00:03:24,500 --> 00:03:21,120

spent eight days in orbit in the Gemini

72

00:03:27,590 --> 00:03:24,510

5 spacecraft after an Agena rocket

73

00:03:29,990 --> 00:03:27,600

failure Gemini 6 was reprogrammed into a

74

00:03:32,410 --> 00:03:30,000

combined mission with Gemini 7 for the

75

00:03:34,910 --> 00:03:32,420

final manned space flights of the year

76
00:03:38,300 --> 00:03:34,920
astronauts Frank Borman and James level

77
00:03:41,090 --> 00:03:38,310
left first in Gemini 7 theirs was a

78
00:03:44,140 --> 00:03:41,100
long-duration mission 14 days in space

79
00:03:46,550 --> 00:03:44,150
one meaningful to future manned flights

80
00:03:49,100 --> 00:03:46,560
plenty of time to complete a host of

81
00:03:51,560 --> 00:03:49,110
medical and scientific experiments 11

82
00:03:53,840 --> 00:03:51,570
days after their departure Walda schirra

83
00:03:55,910 --> 00:03:53,850
and Tom Stafford boarded the gemini 6

84
00:03:58,850 --> 00:03:55,920
spacecraft and headed for a rendezvous

85
00:04:01,220 --> 00:03:58,860
with Gemini 7 a rendezvous in which the

86
00:04:06,790 --> 00:04:01,230
four space pilots circled the world in

87
00:04:10,100 --> 00:04:06,800
formation Gemini Ranger Mariner Tyros

88
00:04:13,250 --> 00:04:10,110

orbiting solar observatory these and

89

00:04:15,230 --> 00:04:13,260

many more made 1965 a year of

90

00:04:25,650 --> 00:04:15,240

significant progress in this country's

91

00:04:30,760 --> 00:04:27,850

this has been an Aeronautics and Space