Apollo 12

1
00:00:00,000 --> 00:00:01,760
Apollo 12

2
00:00:01,760 --> 00:00:03,420
Pete Conrad, Commander

3
00:00:03,420 --> 00:00:04,800
Richard Gordon, Command Module Pilot

4
00:00:04,800 --> 00:00:05,940
Alan Bean, Lunar Module Pilot

5
00:00:05,940 --> 00:00:07,940
Ignition sequence start in

6
00:00:07,940 --> 00:00:08,680
Six

7
00:00:08,680 --> 00:00:09,360
Five

8
00:00:09,360 --> 00:00:10,400
Four

9
00:00:10,400 --> 00:00:11,240
Three

10
00:00:11,240 --> 00:00:12,140
Two

11
00:00:12,140 --> 00:00:13,040
One

12
00:00:13,040 --> 00:00:13,980
Zero

13
00:00:13,980 --> 00:00:14,960

All engines running

14
00:00:14,960 --> 00:00:16,960
Commit lift-off

15
00:00:16,960 --> 00:00:21,280
Pete Conrad reports the yaw program is in.

16
00:00:23,320 --> 00:00:25,480
Tower clear

17
00:00:26,240 --> 00:00:30,440
Apollo 12 was struck by lightning seconds after launch twice.

18
00:00:30,440 --> 00:00:31,360
I don't know what happened here.

19
00:00:31,360 --> 00:00:33,560
We had everything in the world drop out.

20
00:00:33,560 --> 00:00:37,240
I got three fuel cell lights, an AC bus light, a fuel cell disconnect

21
00:00:37,240 --> 00:00:41,000
AC bus overload 1 and 2, main bus A and B out

22
00:00:41,000 --> 00:00:46,800
Luckily, Flight controller John Aaron had seen the same unusual readings in a flight simulation.

23
00:00:46,800 --> 00:00:48,960
The fix was resetting an obscure system called Signal Conditioning Equipment (SCE).

24
00:00:48,960 --> 00:00:52,680
Apollo 12, Houston, try SCE to Auxiliary, over

25
00:00:52,680 --> 00:00:55,000
NCE to Auxiliary?

26
00:00:55,000 --> 00:00:56,120
What the hell's that?

27
00:00:56,120 --> 00:00:59,520
S-C-E, S-C-E to Auxiliary

28
00:00:59,840 --> 00:01:03,360
Apollo 12, Houston, try to reset your fuel
cells now

29
00:01:03,440 --> 00:01:10,520
Okay. I have a good GDC, and Al has got the fuel cells back on, and we'll be working on our AC buses.

30
00:01:10,520 --> 00:01:18,800
Automatic guidance brought Apollo 12 to their target on the Ocean of Storms.

31
00:01:18,800 --> 00:01:21,240
Conrad and Bean made a precision landing just 535 feet from the Surveyor 3 spacecraft.

32
00:01:21,240 --> 00:01:24,320
There it is! Son of a gun- straight down the middle of the road! I can't believe it!

33
00:01:24,320 --> 00:01:26,680
Amazing! Fantastic!

34
00:01:26,720 --> 00:01:31,160
Man, that may have been a small one for Neil, but that's a long one for me

35
00:01:35,900 --> 00:01:38,860
Pete Conrad & Alan Bean did two moonwalks in two days

36
00:01:38,860 --> 00:01:41,180
They collected lunar samples ...

37
00:01:41,180 --> 00:01:45,260
retrieved parts of Surveyor 3 to study the long-term effects of exposure ...

38

00:01:45,260 --> 00:01:51,680
and deployed the first Apollo Lunar Surface Experiments Package (ALSEP) to study ...

39
00:01:51,680 --> 00:01:53,920
moonquakes

40
00:01:53,920 --> 00:01:56,380
ions

41
00:01:56,380 --> 00:01:58,560
magnetic fields

42
00:01:58,560 --> 00:02:00,260
solar wind

43
00:02:00,280 --> 00:02:02,320
and lunar dust

44
00:02:07,420 --> 00:02:11,420
The ascent module was jettisoned to impact the moon.

45
00:02:11,420 --> 00:02:16,480
countdown LM impact in 3 2 1 ... mark

46
00:02:16,480 --> 00:02:20,080
NASA observed seismic activity on the Moon for the first time.

47
00:02:20,080 --> 00:02:23,880
To the surprise of seismologists, some signals lasted an hour.

48
00:02:24,020 --> 00:02:26,900
Hello Houston, Apollo 12 en route home

49
00:02:28,360 --> 00:02:31,480
We're getting a spectacular view of the eclipse.

50
00:02:33,560 --> 00:02:37,940
Splashdown November 24, 1969