
Flight Directors
of
ARTEMIS I

1
00:00:05,150 --> 00:00:02,570
fly CTO slightly everybody Comfort

2
00:00:07,070 --> 00:00:05,160
cooling status Quantico AOS good for

3
00:00:11,209 --> 00:00:07,080
puppy it's like controllers generally

4
00:00:13,789 --> 00:00:11,219
focus on systems subsystems of the

5
00:00:16,189 --> 00:00:13,799
vehicle and they they're more in tune

6
00:00:17,630 --> 00:00:16,199
with the detailed workings of their

7
00:00:21,050 --> 00:00:17,640
particular system that they're

8
00:00:25,429 --> 00:00:23,450
my directors on the other hand are more

9
00:00:28,370 --> 00:00:25,439
in tune with what is the integration

10
00:00:29,929 --> 00:00:28,380
between all of the subsystems what are

11
00:00:32,089 --> 00:00:29,939
we all marching towards what's our

12
00:00:34,610 --> 00:00:32,099
mission objective crop flight has the

13
00:00:37,250 --> 00:00:34,620

RCs holding together with the brakes

14
00:00:39,110 --> 00:00:37,260
really your training starts when you

15
00:00:42,229 --> 00:00:39,120
become a flight controller you know you

16
00:00:43,910 --> 00:00:42,239
you learn a lot by osmosis and you kind

17
00:00:45,709 --> 00:00:43,920
of get a sense of a little bit of the

18
00:00:48,170 --> 00:00:45,719
job but once you become a flight

19
00:00:49,729 --> 00:00:48,180
director the amount of learning you do

20
00:00:51,770 --> 00:00:49,739
is exponential you don't become an

21
00:00:53,569 --> 00:00:51,780
expert but you have to understand them

22
00:00:55,310 --> 00:00:53,579
at a depth where you could have the good

23
00:00:56,270 --> 00:00:55,320
conversation ask the right questions to

24
00:00:57,889 --> 00:00:56,280
The Experts who are the flight

25
00:01:00,350 --> 00:00:57,899
controllers you spend a lot of time

26
00:01:02,090 --> 00:01:00,360
studying and then training getting in

27
00:01:04,430 --> 00:01:02,100
simulations and running through all the

28
00:01:06,590 --> 00:01:04,440
motions and practicing the real time

29
00:01:07,690 --> 00:01:06,600
situation scenarios in the training

30
00:01:10,789 --> 00:01:07,700
environment

31
00:01:13,310 --> 00:01:10,799
I am the asset and entry flight director

32
00:01:16,550 --> 00:01:13,320
for Artemis one I will take

33
00:01:18,530 --> 00:01:16,560
responsibility of the vehicle after it

34
00:01:20,390 --> 00:01:18,540
launches also be the entry flight

35
00:01:23,810 --> 00:01:20,400
director so once we come back to earth

36
00:01:25,850 --> 00:01:23,820
I'll have a team that will Monitor and

37
00:01:28,490 --> 00:01:25,860
control the vehicle once it splashes

38
00:01:30,410 --> 00:01:28,500

down and we hand that over to Melissa

39
00:01:33,890 --> 00:01:30,420
Jones who is the NASA recovery director

40
00:01:35,270 --> 00:01:33,900
splash down touchdown verify copy I'm

41
00:01:37,010 --> 00:01:35,280
the lead collector for the mission

42
00:01:39,590 --> 00:01:37,020
really responsible for the overall

43
00:01:42,350 --> 00:01:39,600
development of the mission we work

44
00:01:44,870 --> 00:01:42,360
directly with the programs they provide

45
00:01:46,190 --> 00:01:44,880
us the mission priorities and we build a

46
00:01:47,510 --> 00:01:46,200
timeline that's going to accomplish

47
00:01:48,710 --> 00:01:47,520
those mission objectives we're

48
00:01:51,050 --> 00:01:48,720
responsible for building their team

49
00:01:52,910 --> 00:01:51,060
getting our team trained and certified

50
00:01:54,710 --> 00:01:52,920
we have a training team that helps us

51
00:01:56,330 --> 00:01:54,720
but we have the overall responsibility

52
00:02:01,069 --> 00:01:56,340
for putting together the team that's

53
00:02:06,230 --> 00:02:04,429
cut off when you go to a place like the

54
00:02:09,290 --> 00:02:06,240
moon or Mars

55
00:02:11,449 --> 00:02:09,300
you really have to be explorers it

56
00:02:13,550 --> 00:02:11,459
pushes the boundaries of civilization

57
00:02:15,170 --> 00:02:13,560
we are having to develop new technology

58
00:02:17,030 --> 00:02:15,180
that's going to have to sustain the

59
00:02:18,830 --> 00:02:17,040
astronauts for these very very long

60
00:02:20,510 --> 00:02:18,840
trips and it just makes sense to test

61
00:02:22,070 --> 00:02:20,520
that and go into the moon where you're

62
00:02:24,110 --> 00:02:22,080
in a similar environment but you're much

63
00:02:25,850 --> 00:02:24,120

closer in the event of an emergency type

64
00:02:26,809 --> 00:02:25,860
scenario we can bring them safely back

65
00:02:29,990 --> 00:02:26,819
home

66
00:02:32,270 --> 00:02:30,000
station this is Houston we've we've had

67
00:02:35,330 --> 00:02:32,280
a lot of experience now in low earth

68
00:02:37,610 --> 00:02:35,340
orbit you know over 50 60 years of

69
00:02:39,650 --> 00:02:37,620
experience and we've learned how to do

70
00:02:41,750 --> 00:02:39,660
that pretty well we've learned what the

71
00:02:43,850 --> 00:02:41,760
effects of the body are in low Earth are

72
00:02:46,309 --> 00:02:43,860
but there are still things that we need

73
00:02:47,290 --> 00:02:46,319
to practice and we need to be able to

74
00:02:50,630 --> 00:02:47,300
understand

75
00:02:57,369 --> 00:02:50,640
how you sustain life further and further

76
00:03:01,670 --> 00:02:59,869
it's just so different from everything

77
00:03:03,470 --> 00:03:01,680
you learn when you do low earth orbit

78
00:03:05,750 --> 00:03:03,480
it's and that's what's making it so much

79
00:03:07,610 --> 00:03:05,760
fun I'm everybody as excited about this

80
00:03:10,250 --> 00:03:07,620
Mission as I was the first day I walked