INSIDE KSC!

1
00:00:03,669 --> 00:00:02,149
hi everyone i'm nasa kennedy's daryl

2
00:00:05,820 --> 00:00:03,679
nail outside ksc

3
00:00:07,749 --> 00:00:05,830
taking you inside ksc

4
00:00:09,589 --> 00:00:07,759
[Music]

5
00:00:12,230 --> 00:00:09,599
the four astronauts who will fly on

6
00:00:12,709 --> 00:00:12,240
nasa's spacex crew 2 mission arrived on

7
00:00:14,870 --> 00:00:12,719
friday

8
00:00:16,790 --> 00:00:14,880
april 16th at the launch and landing

9
00:00:17,670 --> 00:00:16,800
facility at kennedy space center in

10
00:00:19,590 --> 00:00:17,680
florida

11
00:00:21,990 --> 00:00:19,600
upon their arrival astronauts shane

12
00:00:24,550 --> 00:00:22,000
kimbrough and megan mcarthur of nasa

13
00:00:26,870 --> 00:00:24,560

aki hoshide of the japan aerospace

14
00:00:28,950 --> 00:00:26,880
exploration agency or jaxa

15
00:00:29,990 --> 00:00:28,960
and tomorrow pesquet of the european

16
00:00:32,870 --> 00:00:30,000
space agency

17
00:00:34,950 --> 00:00:32,880
were greeted by nasa and jaxa leaders

18
00:00:36,150 --> 00:00:34,960
the spacex falcon 9 rocket and crew

19
00:00:37,750 --> 00:00:36,160
dragon spacecraft

20
00:00:39,430 --> 00:00:37,760
will carry the astronauts to the

21
00:00:40,950 --> 00:00:39,440
international space station for a

22
00:00:43,270 --> 00:00:40,960
six-month stay

23
00:00:45,029 --> 00:00:43,280
lift-off is scheduled at 6 11 a.m on

24
00:00:48,150 --> 00:00:45,039
thursday april 22nd

25
00:00:48,630 --> 00:00:48,160
from kennedy's launch complex 39a the

26
00:00:50,869 --> 00:00:48,640
mission

27
00:00:52,790 --> 00:00:50,879
part of nasa's commercial crew program

28
00:00:53,830 --> 00:00:52,800
is the second crew rotation flight of

29
00:00:55,830 --> 00:00:53,840
crew dragon

30
00:00:57,189 --> 00:00:55,840
and the first with two international

31
00:00:59,430 --> 00:00:57,199
partners

32
00:01:01,750 --> 00:00:59,440
research scientists at kennedy recently

33
00:01:04,390 --> 00:01:01,760
applied a selective surface coating

34
00:01:06,310 --> 00:01:04,400
to an electrodynamic dust shield one of

35
00:01:06,789 --> 00:01:06,320
several activities preparing the dust

36
00:01:09,350 --> 00:01:06,799
shields

37
00:01:12,070 --> 00:01:09,360
for testing in space the dust shield

38
00:01:14,870 --> 00:01:12,080

technology uses dynamic electric fields

39
00:01:16,950 --> 00:01:14,880
to remove lunar dust from surfaces

40
00:01:19,910 --> 00:01:16,960
scientists hope that the surface coating

41
00:01:21,030 --> 00:01:19,920
which reflects up to 99.7 percent of the

42
00:01:23,749 --> 00:01:21,040
sun's energy

43
00:01:24,390 --> 00:01:23,759
will enable non-heat generating objects

44
00:01:26,870 --> 00:01:24,400
to reach

45
00:01:29,109 --> 00:01:26,880
super cool temperatures in space without

46
00:01:30,950 --> 00:01:29,119
the use of an active cooling system

47
00:01:33,030 --> 00:01:30,960
these technologies are expected to be

48
00:01:35,830 --> 00:01:33,040
useful in many applications

49
00:01:37,270 --> 00:01:35,840
as nasa explores the moon mars and

50
00:01:39,590 --> 00:01:37,280
beyond

51
00:01:40,550 --> 00:01:39,600
for more inside ksc check us out on

52
00:01:43,429 --> 00:01:40,560
social media

53
00:01:52,830 --> 00:01:43,439
or go to our webpage at nasa.gov forward