



ESPACIO A TIERRA

1
00:00:05,900 --> 00:00:04,519
welcome to space to earth

2
00:00:07,730 --> 00:00:05,910
celebrating hispanic heritage month i

3
00:00:08,930 --> 00:00:07,740
invite you aboard the space station

4
00:00:14,660 --> 00:00:12,530
i am alma stephany tatiana the robots on

5
00:00:17,390 --> 00:00:14,670
the station are testing

6
00:00:20,210 --> 00:00:17,400
new technologies that could one day send

7
00:00:23,300 --> 00:00:20,220
more advanced robots to repair satellites

8
00:00:25,820 --> 00:00:23,310
in space this week continued the

9
00:00:28,970 --> 00:00:25,830
robotic refueling mission

10
00:00:31,880 --> 00:00:28,980
which uses a

11
00:00:34,549 --> 00:00:31,890
two-armed mechanical device from the station and

12
00:00:37,250 --> 00:00:34,559
amador dexter to show how

13
00:00:40,459 --> 00:00:37,260

robots in the future could repair and

14

00:00:43,520 --> 00:00:40,469

refuel satellites in space and

15

00:00:45,670 --> 00:00:43,530

last week the spears satellites were

16

00:00:48,130 --> 00:00:45,680

used to test new

17

00:00:51,229 --> 00:00:48,140

automated docking and undocking techniques

18

00:00:54,740 --> 00:00:51,239

a vital skill for any

19

00:00:57,350 --> 00:00:54,750

mechanical theft of the future this week a

20

00:00:59,950 --> 00:00:57,360

new fleet of cubesats

21

00:01:02,029 --> 00:00:59,960

was also launched from the station

22

00:01:05,240 --> 00:01:02,039

about a dozen of the

23

00:01:07,190 --> 00:01:05,250

small satellites big planets

24

00:01:09,860 --> 00:01:07,200

when its constellation

25

00:01:13,250 --> 00:01:09,870

of earth observation satellites which

26
00:01:15,620 --> 00:01:13,260
monitor everything from deforestation

27
00:01:17,719 --> 00:01:15,630
and urbanization to

28
00:01:20,900 --> 00:01:17,729
natural disaster relief and growing

29
00:01:23,570 --> 00:01:20,910
crops in developing countries and two

30
00:01:25,760 --> 00:01:23,580
were built by denmark to

31
00:01:28,190 --> 00:01:25,770
test radio technologies for

32
00:01:31,460 --> 00:01:28,200
tracking planes and ships in the

33
00:01:34,460 --> 00:01:31,470
open sea this week we have a

34
00:01:37,100 --> 00:01:34,470
fun question from conare 14 years old who

35
00:01:39,290 --> 00:01:37,110
wants to know what would happen if you popped a

36
00:01:42,350 --> 00:01:39,300
balloon full of water on the

37
00:01:44,780 --> 00:01:42,360
space station well due to its unique

38
00:01:47,240 --> 00:01:44,790

environment it would look pretty much the same

39

00:01:47,840 --> 00:01:47,250
as before you popped it here on

40

00:01:50,450 --> 00:01:47,850
earth

41

00:01:53,389 --> 00:01:50,460
gravity constantly pulls everything

42

00:01:55,580 --> 00:01:53,399
down and that's why that water

43

00:01:57,770 --> 00:01:55,590
looks flat and fits whatever

44

00:02:00,260 --> 00:01:57,780
container it's in but

45

00:02:02,779 --> 00:02:00,270
microgravity surface attention

46

00:02:05,719 --> 00:02:02,789
takes control and water molecules

47

00:02:07,370 --> 00:02:05,729
naturally attract each other evenly and

48

00:02:09,260 --> 00:02:07,380
form a sphere

49

00:02:12,130 --> 00:02:09,270
since it takes up as little space as

50

00:02:14,630 --> 00:02:12,140
possible so it's much more fun

51

00:02:16,670 --> 00:02:14,640

stay hydrated

52

00:02:18,440 --> 00:02:16,680

that's all for this week keep

53

00:02:21,020 --> 00:02:18,450

sending us your questions and comments