



1
00:01:30,790 --> 00:01:04,259

you

2
00:01:35,950 --> 00:01:33,700

facet is a spacecraft bus

3
00:01:38,320 --> 00:01:35,960

access to space for experiment and

4
00:01:41,320 --> 00:01:38,330

Technology type of payloads that desire

5
00:01:44,590 --> 00:01:41,330

access require access to space in a very

6
00:01:47,170 --> 00:01:44,600

fast schedule but an affordable low cost

7
00:01:54,430 --> 00:01:51,460

the primary benefit for the facet

8
00:01:58,300 --> 00:01:54,440

science is its enabling capability for

9
00:02:01,110 --> 00:01:58,310

what i would call lower-cost quick

10
00:02:05,820 --> 00:02:01,120

response science they're essentially six

11
00:02:09,010 --> 00:02:05,830

experiment payloads three of which are

12
00:02:12,040 --> 00:02:09,020

what we call heliophysics experiments

13
00:02:14,080 --> 00:02:12,050

and those contribute to the entire

14

00:02:18,300 --> 00:02:14,090

science realm of understanding the

15

00:02:21,280 --> 00:02:18,310

energetics of the Sun and how the sun's

16

00:02:23,410 --> 00:02:21,290

energetics affect us here on earth not

17

00:02:26,199 --> 00:02:23,420

just in the common ways of the daylight

18

00:02:29,410 --> 00:02:26,209

and the nighttime but also in terms of

19

00:02:31,440 --> 00:02:29,420

what we call space weather which

20

00:02:34,390 --> 00:02:31,450

essentially affects our communications

21

00:02:37,810 --> 00:02:34,400

many of us have experienced the dropouts

22

00:02:40,240 --> 00:02:37,820

of cellphones changes in GPS signals

23

00:02:42,940 --> 00:02:40,250

those are all things that are

24

00:02:45,790 --> 00:02:42,950

contributed by the heliophysics of the

25

00:02:49,150 --> 00:02:45,800

interaction of the sudden the earth now

26

00:02:51,670 --> 00:02:49,160

the other experiments one of them is an

27

00:02:55,010 --> 00:02:51,680

ANA sale which is a NASA Marshall

28

00:03:00,170 --> 00:02:56,870

Saudi has several different science

29

00:03:02,720 --> 00:03:00,180

objectives the main is science objective

30

00:03:05,170 --> 00:03:02,730

is to make sure that we can deploy a

31

00:03:07,280 --> 00:03:05,180

satellite out of fast set without

32

00:03:10,070 --> 00:03:07,290

recontact between it and the main

33

00:03:12,740 --> 00:03:10,080

satellite our second objective is to

34

00:03:17,450 --> 00:03:12,750

deploy the satellite deployed the sale