
NASA'S OSIRIS-REx
and the NBA

1
00:00:00,300 --> 00:00:03,570
OSIRIS-REx
is NASA's first asteroid sample return.

2
00:00:03,870 --> 00:00:04,838
After successfully

3
00:00:04,838 --> 00:00:08,708
collecting a sample from the surface
of asteroid Bennu on October 20th, 2020,

4
00:00:08,875 --> 00:00:13,346
the spacecraft has been on a 1.2
billion mile cruise back to Earth.

5
00:00:14,080 --> 00:00:16,850
14 days out from sample return,
the spacecraft

6
00:00:16,850 --> 00:00:20,220
will target the Utah Test
and Training Range on Earth.

7
00:00:20,220 --> 00:00:25,291
And then on September 24th,
at a distance of 63,000 miles from Earth.

8
00:00:25,592 --> 00:00:29,596
The spacecraft will release its sample
return capsule or SRC.

9
00:00:30,330 --> 00:00:34,334
The team has definied a “hoop” in space,
like hitting a halfcourt shot

10
00:00:34,367 --> 00:00:37,137
on a basketball court,
that the spacecraft needs to target

11

00:00:37,270 --> 00:00:39,739
if we want to land at the Utah Test
and Training Range.

12
00:00:40,306 --> 00:00:44,544
Today, we challenged Deni Avdija
and G-Wiz of the Washington Wizards

13
00:00:44,544 --> 00:00:46,679
to successfully score a halfcourt shot.

14
00:00:47,013 --> 00:00:49,816
Much like how OSIRIS-REx
will be attempting to hit within

15
00:00:49,816 --> 00:00:52,952
its target hoop in space.

16
00:00:58,291 --> 00:00:58,925
While seeking a

17
00:00:58,925 --> 00:01:02,695
halfcourt shot and landing a sample return
capsule are both challenging -

18
00:01:02,695 --> 00:01:06,633
with practice, patience
and planning the teams expect

19
00:01:06,733 --> 00:01:09,135
success.

20
00:01:22,582 --> 00:01:23,716
Looks good.

21
00:01:23,750 --> 00:01:29,055
The OSIRIS-REx team has prepared
extensively for sample return

22

00:01:29,389 --> 00:01:32,258
and predicts greater than a 99% chance

23
00:01:32,258 --> 00:01:35,195
of hitting its target
after the capsule is retrieved.

24
00:01:35,528 --> 00:01:36,696
The samples from asteroid

25
00:01:36,696 --> 00:01:40,600
Bennu will be taken to NASA's
Johnson Space Center in Houston, Texas,