



**Centaur Upper Stage Arrives for GOES-R Launch**

1  
00:00:00,500 --> 00:00:03,310

I'm NASA Kennedy's AJ Nick taking you Inside  
KSC

2  
00:00:03,310 --> 00:00:11,170

A robotic miner, designed to help make the  
most of materials on Mars, recently demonstrated

3  
00:00:11,170 --> 00:00:14,179

some of its capabilities at NASA's Kennedy  
Space Center in Florida.

4  
00:00:14,179 --> 00:00:18,789

This robot is called RASSOR 2.0, short for  
Regolith Advanced Surface Systems Operations

5  
00:00:18,789 --> 00:00:19,789

Robot.

6  
00:00:19,789 --> 00:00:22,930

It worked with the MARCO POLO/Mars Pathfinder  
system to show how the two could

7  
00:00:22,930 --> 00:00:27,710

potentially extract critical materials - such  
as hydrogen, oxygen and water - from the Red

8  
00:00:27,710 --> 00:00:28,810

Planet's surface.

9  
00:00:28,810 --> 00:00:32,570

During the demonstration, RASSOR excavated  
regolith and delivered sand and gravel to

10  
00:00:55,220 --> 00:00:33,570

a

11  
00:00:55,220 --> 00:00:56,220

Liftoff from

12  
00:00:56,220 --> 00:00:59,620  
Space Launch Complex 41 is scheduled for Nov.  
4.