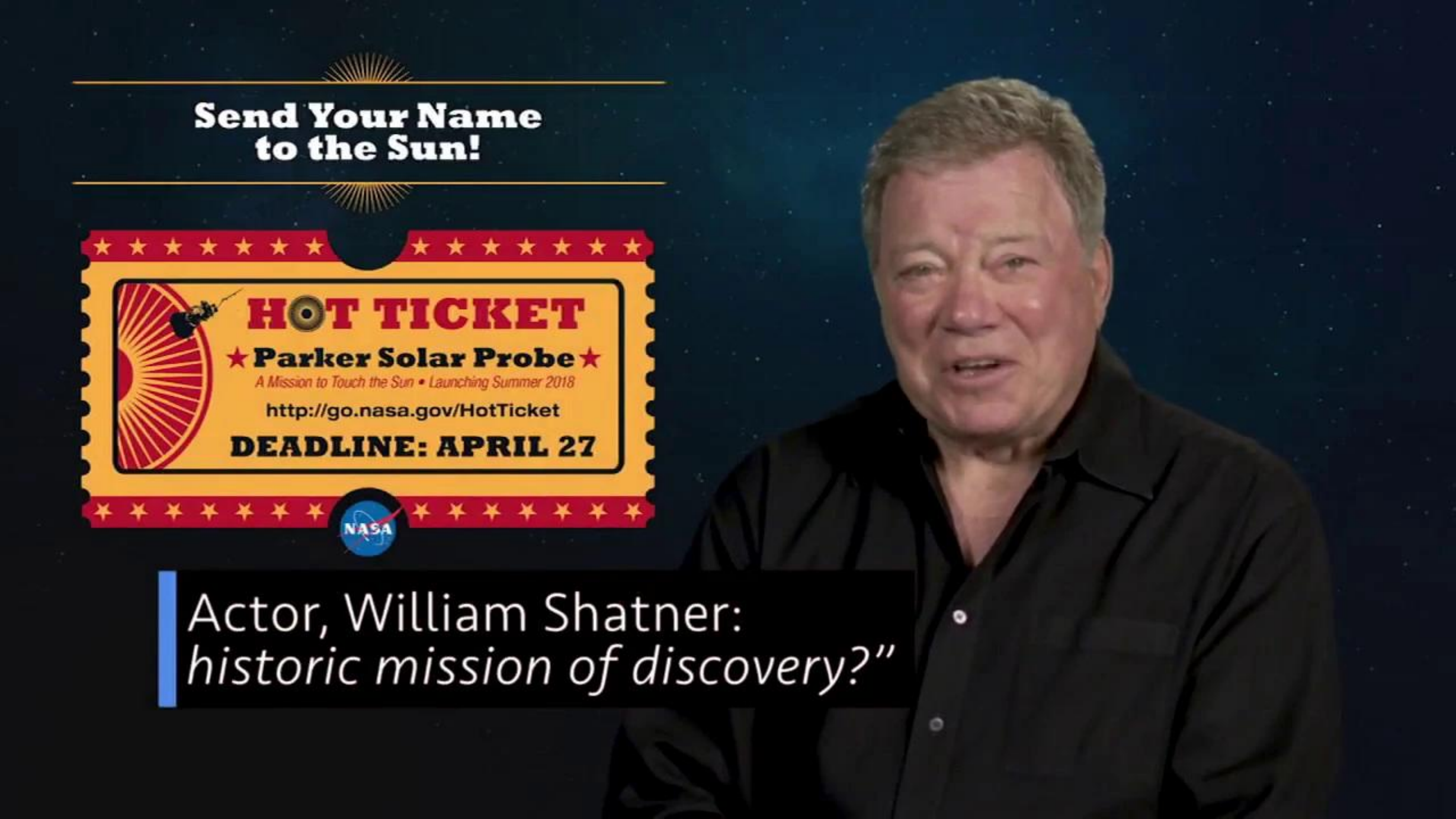
Send Your Name
to the Sun!
HOT TICKET
Parker Solar Probe
A Mission to Touch the Sun • Launching Summer 2018
http://go.nasa.gov/HotTicket
DEADLINE: APRIL 27
NASA
Actor, William Shatner:
historic mission of discovery?"

1
00:00:00,710 --> 00:00:04,080
A chance to send your name to the Sun …

2
00:00:04,080 --> 00:00:07,920
Testing systems for our Orion spacecraft …

3
00:00:07,920 --> 00:00:13,660
And sizing up Earth, from space - a few of
the stories to tell you about - This Week

4
00:00:13,660 --> 00:00:15,000
at NASA!

5
00:00:15,000 --> 00:00:20,919
"Want to join NASA on an historic mission
of discovery?"

6
00:00:20,919 --> 00:00:25,779
We're inviting people around the world to
join actor William Shatner - by submitting

7
00:00:25,779 --> 00:00:31,529
their names online to be stored on a microchip
that will travel aboard our historic Parker

8
00:00:31,529 --> 00:00:32,899
Solar Probe mission.

9
00:00:32,899 --> 00:00:36,210
"The first spacecraft to the Sun."

10
00:00:36,210 --> 00:00:43,440
To learn more and add your name to the mission,
check out go.nasa.gov/HotTicket.

11
00:00:43,440 --> 00:00:47,390
Names can be submitted until April 27, 2018.

12

00:00:47,390 --> 00:00:52,730
Parker Solar Probe is targeted for launch
in summer 2018, to travel through the brutal

13
00:00:52,730 --> 00:00:58,289
heat and radiation of the Sun's atmosphere
- making critical observations to help us

14
00:00:58,289 --> 00:01:05,059
better understand how stars work, and improve
forecasts of major space weather events affecting

15
00:01:05,059 --> 00:01:11,110
life on Earth, as well as satellites and astronauts
in space.

16
00:01:11,110 --> 00:01:16,090
The crew module for the next test of our Orion
spacecraft's launch abort system, recently

17
00:01:16,090 --> 00:01:19,470
arrived at our Johnson Space Center, in Houston.

18
00:01:19,470 --> 00:01:24,880
Targeted for April 2019, the test will help
ensure the spacecraft can carry astronauts

19
00:01:24,880 --> 00:01:30,130
to safety during a launch emergency, and is
a critical safety milestone in our effort

20
00:01:30,130 --> 00:01:34,640
to send crewed missions to the Moon and beyond.

21
00:01:34,640 --> 00:01:39,680
A test version of our Space Launch System
rocket's intertank - is one of five components

22
00:01:39,680 --> 00:01:43,450
that make up the rocket's 212-foot-tall core

stage.

23
00:01:43,450 --> 00:01:48,600
It was shipped recently from Michoud Assembly Facility in New Orleans to our Marshall Space

24
00:01:48,600 --> 00:01:54,250
Flight Center in Huntsville, Alabama - for tests to ensure the rocket can withstand the

25
00:01:54,250 --> 00:02:01,300
more than 8 million pounds of thrust experienced during liftoff and spaceflight.

26
00:02:01,300 --> 00:02:07,390
Our ICESat-2 mission will use an instrument called the Advanced Topographic Laser Altimeter

27
00:02:07,390 --> 00:02:13,160
System, or ATLAS to measure the height of Earth's surface - in particular, the changing

28
00:02:13,160 --> 00:02:14,520
polar ice.

29
00:02:14,520 --> 00:02:19,160
The instrument precisely times how long it takes light particles to bounce off Earth

30
00:02:19,160 --> 00:02:21,200
and return to the satellite.

31
00:02:21,200 --> 00:02:27,780
ICESat-2 is slated to launch in September from Vandenberg Air Force Base in California.

32
00:02:27,780 --> 00:02:29,630
That's what's up this week @NASA …