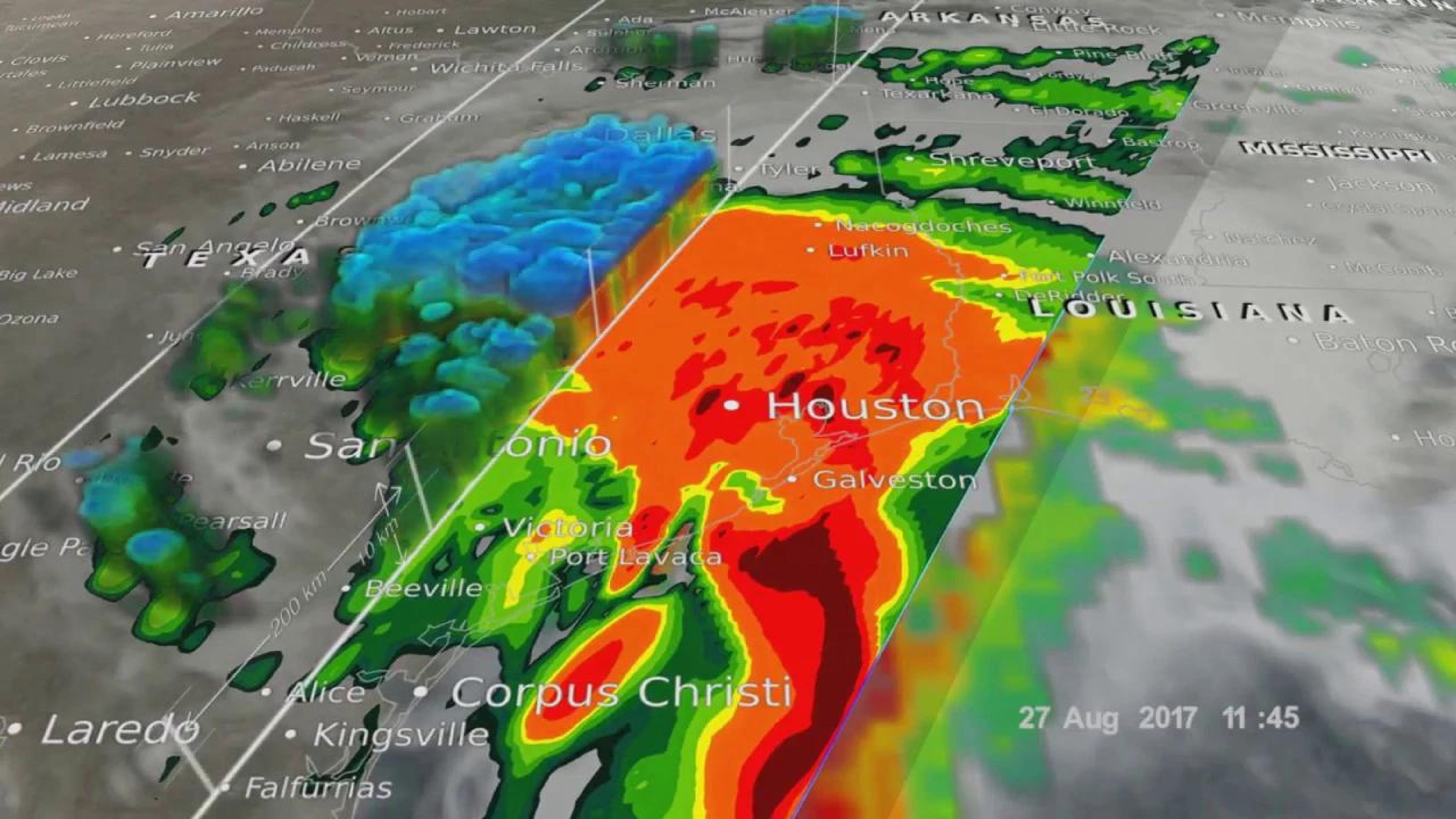

Amarillo
Lawton
Wichita Falls
Lubbock
Abilene
Midland
San Angelo
TEXAS
Kerrville
San Antonio
Houston
Galveston
Victoria
Port Lavaca
Beeville
Alice
Corpus Christi
Laredo
Kingsville
Falfurrias
Pearsall
Nacogdoches
Lufkin
Shreveport
Tyler
Sherman
ARKANSAS
Little Rock
Memphis
Pine Bluff
Texarkana
El Dorado
Bastrop
MISSISSIPPI
Jackson
Winnfield
Alexandria
Fort Polk South
DeRidder
LOUISIANA
Baton Rouge
200 km
10 km
27 Aug 2017 11 :45

1
00:00:00,399 --> 00:00:03,770
“Here’s some of the stories trending This
Week at NASA!”

2
00:00:03,770 --> 00:00:09,360
We worked with our partner agencies to use
space-based assets to capture imagery of Hurricane

3
00:00:09,360 --> 00:00:14,420
Harvey that impacted the Texas-Louisiana Gulf
Coast region.

4
00:00:14,420 --> 00:00:19,310
Imagery captured from the vantage point of
space, provides data that weather forecasters,

5
00:00:19,310 --> 00:00:24,860
emergency responders and other officials can
use to better inform the public.

6
00:00:24,860 --> 00:00:30,359
Views from the International Space Station,
and NOAA’s GOES East satellite showed the

7
00:00:30,359 --> 00:00:33,610
massive size and movement of the storm.

8
00:00:33,610 --> 00:00:38,450
While our Global Precipitation Measurement
(GPM) Mission analyzed the storm’s record-breaking

9
00:00:38,450 --> 00:00:44,200
rainfall – which led to catastrophic flooding
in Texas and Louisiana.

10
00:00:44,200 --> 00:00:49,451
Due to the storm, our Johnson Space Center
in Houston is closed through Labor Day, while

11

00:00:49,451 --> 00:00:55,300
the region recovers, but Mission Control remains
operational in support of the crew aboard

12
00:00:55,300 --> 00:00:58,140
the International Space Station.

13
00:00:58,140 --> 00:01:03,260
On Aug. 30, we successfully tested one of
our RS-25 engines, four of which will help

14
00:01:03,260 --> 00:01:08,890
power our Space Launch System, or SLS, to
deep space destinations.

15
00:01:08,890 --> 00:01:14,810
This 500-second engine test concludes a summer
of successful hot fire testing for flight

16
00:01:14,810 --> 00:01:19,570
controllers at our Stennis Space Center near
Bay St. Louis, Mississippi.

17
00:01:19,570 --> 00:01:23,930
The controller serves as the “brain” of
the engine, communicating with SLS flight

18
00:01:23,930 --> 00:01:28,450
computers to ensure engines are performing
at needed levels.

19
00:01:28,450 --> 00:01:33,930
The test marked another step toward the nation’s
return to human deep-space exploration missions.

20
00:01:33,930 --> 00:01:35,030
Key SLS Rocket Hardware Finished

21
00:01:35,030 --> 00:01:36,030
(VO)

22
00:01:36,030 --> 00:01:39,640
The largest piece of hardware for SLS is ready
for thermal insulation.

23
00:01:39,640 --> 00:01:44,710
Manufacturing is complete on the launch vehicle
stage adapter that connects the two main launch

24
00:01:44,710 --> 00:01:46,580
vehicle stages of the rocket.

25
00:01:46,580 --> 00:01:52,890
It’s been moved to our Center for Advanced
Manufacturing for the application of the spray-on

26
00:01:52,890 --> 00:01:58,070
foam insulation that will surround it during
its ride to space.

27
00:01:58,070 --> 00:02:02,950
The next round of research flights for the
Sonic Booms in Atmospheric Turbulence, or

28
00:02:02,950 --> 00:02:08,729
SonicBAT project is underway at our Kennedy
Space Center in Florida.

29
00:02:08,729 --> 00:02:14,829
Research from SonicBAT may one day lead to
quiet supersonic flight over land.

30
00:02:14,829 --> 00:02:17,090
And that’s what’s up this week @NASA …