

The *Weekly Dome Report*

Week of September 14th, 2020.....Volume 25.....Space News and Stuff

Upcoming Events

Monday, Sept. 14

6pm.....Mythology Monday
- Norse Mythology
7pm.....Mythology Monday
- Norse Mythology

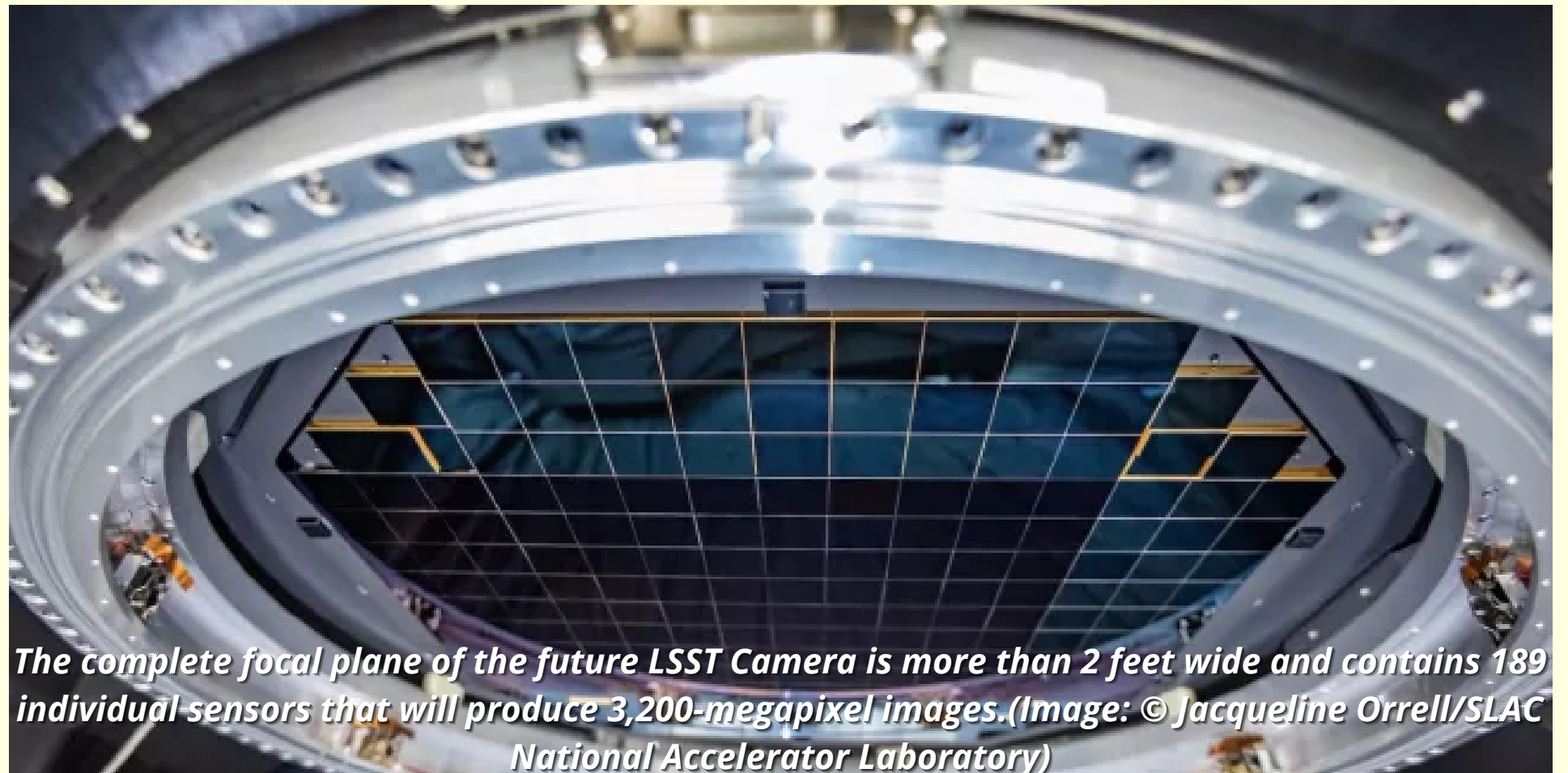
Friday, Sept. 18

6pm.....Final Frontier Friday
- The Leap Year
7pm.....Final Frontier Friday
- The Leap Year

Saturday, Sept. 19

2pm.....Stellar Saturday
- Solar System Tour
7pm.....Stellar Saturday
- Earth Tour

TWO BLACK HOLES MERGE



The complete focal plane of the future LSST Camera is more than 2 feet wide and contains 189 individual sensors that will produce 3,200-megapixel images. (Image: © Jacqueline Orrell/SLAC National Accelerator Laboratory)

Over at the Department of Energy's SLAC National Accelerator Laboratory in California researchers have constructed an SUV sized digital camera. This camera is being built for the future Vera C. Rubin Observatory. What is unique about this device is that it has taken the largest photo on record, coming in at 3,200 megapixels. The resulting photo is so massive that to fully view one photo it would require 378 4K TV's, with the resolution being such that one could view a golfball from 15 miles away. The camera, called the Legacy Survey of Space and Time (LSST) Camera, was first tested on a piece of broccoli, which given its very textured surface allowed the camera to show off its capabilities. This camera will go on to earn its name, as it was not just built to view plants here on Earth. Once it is in operation fully, the camera will conduct a 10 year observation of the night sky, taking a panorama of the night sky every few days. This process will acquire detailed imagery of nearly 20 billion galaxies. The hope with this observation is to see how galaxies have evolved over time to observe theories on dark matter and dark energy.

Advanced theories aside, hopefully for the common person we can observe some truly breathtaking photos in the future.

<https://www.space.com/vera-rubin-observatory-record-breaking-first-photos.html>

WEIRD SPACEFACT
DRIVING A CAR TO THE
NEAREST STAR AT
70 MPH WOULD TAKE
OVER 356 BILLION
YEARS.

FREE HUMOR



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