NASA's TESS Satellite

Launching on an Falcon 9 Rocket

2018-04-16, 6:32 pmEST

SpaceLaunchInfo.Com

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Rm 102/5

Titusville FL

USA 32780

305 S Washington Ave

A short walk from

Space View Park

QR Code for

Launches.Mobi

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TESS

The Transiting Exoplanet Survey Satellite (TESS) is a space telescope for NASA's Explorers program, designed to search for exoplanets using the transit method in an area 400 times larger than that covered by the Kepler mission.

The primary mission objective for TESS is to survey the brightest stars near the Earth for transiting exoplanets over a two-year period. The TESS project will use an array of wide-field cameras to perform an all-sky survey. With TESS, it will be possible to study the mass, size, density and orbit of a large cohort of small planets, including a sample of rocky worlds in the habitable zones of their host stars. TESS will provide prime targets for further characterization by the James Webb Space Telescope, as well as other large ground-based and space-based telescopes of the future.

Previous sky surveys with ground-based telescopes have mainly detected giant exoplanets. In contrast, TESS will examine a large number of small planets around the very brightest stars in the sky. TESS will record the nearest and brightest main sequence stars hosting transiting exoplanets, which are the most favorable targets for detailed investigations.

The Falcon 9 first stage is expected to land on a barge in the Atlantic Ocean, and not visible from shore.

For more information, the web site to visit is:

TESS.GSFC.NASA.Gov

308 Pine St

Titusville FL 32796

Open Mon-Sat, 10am to 4pm

Playalinda Brix Project

5220 S Washington Ave

5 Miles south of downtown