

Science from the TESS Extended Mission

AAS 247 Phoenix Arizona: Wednesday, January 7, 2026 6pm – 9pm
Phoenix Convention Center West Building Room 301 C

NASA's Transiting Exoplanet Survey Satellite (TESS) has been in operation since July 2018, monitoring millions of stars across the entire sky and discovering hundreds of exoplanets.

TESS is now in the sixth year of its extended mission and has mapped out more than 98.6% of the night sky. TESS's capability for precision photometry over this long baseline as well as open access to its data have resulted in an extraordinarily high scientific output from the mission across a broad range of astrophysics.

In this Splinter Meeting, we provide an overview of the TESS Extended Mission operations, science goals, future plans, and how TESS's unique capabilities as a time-domain survey fit within the next era of survey missions. We highlight TESS's impact across all areas of astronomy, sharing some of the exciting new science being conducted with TESS, including exoplanet detections, stellar physics, and discoveries of transient events and other time-domain phenomena.

| Speaker | Talk Title | Times |
|---------------------------------------|---|--|
| Rebekah Hounsell (UMBC/NASA GSFC) | People arriving (13 min) Welcome announcement (2 min) | 6:00 pm (13 min) 6:13 pm (2 min) |
| Jonathan Arenberg (NGC) | NGC contribution to TESS | 6:15 pm (10 min) |
| Allison Youngblood (NASA GSFC) | EM3 Update | 6:25 pm (10 min) |
| Tyler Pritchard (UMD/NASA GSFC) | TSSC Updates | 6:35 pm (10 min) |
| George Ricker (MIT) | TESS achievements over the past year | 6:45 pm (10 min) |
| Dan Huber (IfA Hawaii) | TUC | 6:55 pm (5 min) |
| Socializing | | 7:00 pm (20 min) |
| Dan Huber (IfA Hawaii) | Stellar activity (TESS + Roman) | 7:20pm (15 min [10 min talk, 5 min Q&A]) |
| Jessie Christiansen (IPAC/CALTECH) | Exoplanets (TESS + PLATO + Ariel) | 7:35 pm (15 m in [10 min talk, 5 min Q&A]) |
| Socializing | | 7:50 pm (20 min) |
| Matthew Payne (CfA Harvard) | Solar System Objects, Comet I3/ATLAS (TESS + NEO Surveyor) | 8:10pm (15 min [10 min talk, 5 min Q&A]) |

| | | |
|------------------------------|--|---|
| Rahul Jayaraman (Cornell) | TESS + ZTF Exploding transients | 8:25 pm (15 min [10 min talk, 5 min Q&A]) |
| Rebekah Hounsell | 8:40: Thank you for attending and socialization! | |