



A portion of the Ares V team travelled to Stennis Space Center (SSC) last week to tour the Michoud Assembly Facility (MAF). At MAF, the team was briefed on the progress of the Ares V usage study being done by the Austin Company and also toured the plant. At SSC, the team viewed the test stands, the Pratt Whitney Rocketdyne assembly facility, and viewed a Space Shuttle Main Engine (SSME) test.



Two cells in the High Bay at MAF where the Ares V core stage will be manufactured.



Test Stand A-3 construction site.



The Test Stand A-3 steel tower structure is being painted at SSC. The propellant barge dock construction is now complete and barge functional tests are currently being coordinated.



Recent activities specific to the Elements include:

Upper Stage Engine (USE)

- **A-3 Subscale Diffuser (SD) Testing:** Chemical steam testing is being conducted in the E-3 test position. The SD is operating with steam composition determined from Chemical Steam Generator (CSG) testing. The potential for afterburning in the diffuser is being assessed.

Flight and Integrated Test Office (FITO) and Ares I-X

- **Ares I-X Roll Control System (RoCS) Element:** Activities specific to the RoCS Element include:
 - The post-Acceptance Review burn-down plan continued to be worked. Engineering is finalizing disposition of the final five verifications with the reviewers. The Acceptance Data Package and DD250 are in Defense Contract Management Agency (DCMA) review at Teledyne. Summer coverage of inspectors has slowed this review. The review must precede signing of the DD250, but has not been a schedule driver.
 - RoCS supported the Mate Review and follow-on Executive Session at Kennedy Space Center (KSC). RoCS has no constraints to stacking, nor received any actions from the Mate Review.
 - The U.S. Air Force-provided flight test reports are being evaluated against Unplanned Anomalies/In-Flight Anomalies reporting requirements, and an Ares I-X Control Board (XCB) presentation is in work.

Project Integration

- **Eyes on Marshall Intern Event:** The Ares Projects outreach team supported an Ares presentation and staffed an information booth July 1 at the Eyes on Marshall Summer Intern Luau for 198 high school and college interns working at the Marshall Center this summer. The team also displayed the 1:50 Ares I and V model set, 1:100 Ares I and V model set, and the Next Giant Leap pop-up for the event. These events strive to build student interest in NASA careers.



The Ares Outreach team lead tells the Ares story to high school and college summer interns.

The Ares Projects looks forward to the STS-127 Endeavour launch July 11.

...and as of this Ares Projects Weekly Summary, there are only 51 days until the first Ares I test flight, Ares I-X!!!