

Recent activities specific to the Elements include:

Upper Stage Engine (USE)

- USE Assembly & Test:*** Fabrication of the Stennis Space Center (SSC) Test Stand A-3 Test Cell and Diffuser components is shown in the figures below. The Test Cell will be 79 feet in length and 42 feet in diameter when completed. The Test Cell floor will be at an elevation of 177 feet when installed. The Diffuser runs from inside the Test Cell, through the floor to the ground, makes a 90-degree turn, and continues horizontally for approximately 200 feet from the vertical diffuser centerline. Steam ejected through the Diffuser during testing will create vacuum conditions in the Test Cell.



Test Cell Section with Access Door Opening



Close-up of Diffuser Steam Ejector Manifold and Jets



Diffuser Steam Ejector Manifold and Jets



Project Integration (PI)

- ***Ares Progress Video:*** The Ares Projects outreach team updated the script and recorded new narration to include the launch of Ares I-X in its award-winning video, "Ares: Three Years of Progress." The release was timed to leverage recent interest in the Ares Projects resulting from the Ares I-X launch. It provides new viewers with an overview of what the Ares team has accomplished to date. It was posted to our Ares web site, YouTube, and iTunes. Earlier this year, the Progress video won a silver Telly Award, which honors video and film created for the Web. The video may be seen at: <http://anon.nasa-global.edgesuite.net/anon.nasa-global/ARES/3YearAbridged.asx>

The Ares Projects look forward to Thanksgiving! Have a safe and happy holiday!