NSRC Press Conference
Opening Mars
STMD/JPL/Masten

Sean Mahoney, CEO
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Story about Impact of Next Generation Suborbital Research

• Mars 2020 selected JPL Terrain Relative Navigation technology flown with Masten
• TRN opens up more of Mars for landing sites

• Collaboration from:
  • NASA Space Technology Mission Directorate, Flight Opportunities Program
  • Jet Propulsion Laboratory
  • Masten Space Systems
Figure 1. Next Generation Mars EDL capabilities, including multi-point and pin-point landing (Image Source Ref. 1).
Figure 2. ADAPT installed on the Xombie VTVL rocket vehicle, on the ground (left) and in flight (right, image credit NASA Photo / Tom Tschida).
Follow-up and Source materials

- NSRC presentation – Steve Jurczyk, STMD

- ADAPT Flight campaign press release

- AIAA Paper, 2015
  “Flight testing of terrain-relative navigation and large-divert guidance on a VTVL rocket”

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