

Tenacity Dream Chaser with Shooting Star Module



The Tenacity Dream Chaser is a cargo space plane under development by the Sierra Space Corporation.

Keys

- [B] Air Brake
- [E] Change camEra view (fore, aft)
- [G] Deploy landing Gear
- [J] Jettison the Shooting Star cargo module
- [S] Deploy Solar panels
- [W] Deploy Wings

Scenario file status commands

- MODE 0=Stowed for launch, 1=Orbit, 2=Reentry
- GEAR Gear is deployed
- SOLAR Solar panels are deployed
- WINGS Wings are deployed

Scenarios	Description
Tenacity at ISS docking	<p>The Tenacity Dream Chaser is near the ISS. Align with the docking port. Note Tenacity's docking port is facing backwards. Swivel the inboard view around with [E] to look back in the direction of the docking port.</p> <p>When looking backwards rotational RCS thrusters are inverted.</p>
Tenacity at ISS undocking	<p>The Tenacity Dream Chaser is docked to the ISS. Undock and try re-docking. Swivel the inboard view direction around with [E] to look back to the docking port.</p> <p>The orbit passes close over Cape Canaveral. Perform a reentry burn over Australias west coast, aim for a perigee altitude of 30 km.</p>
Tenacity landing at KSC	<p>Line up with the runway and touch down.</p> <p>Trim up to about +0.2 and adjust as required.</p> <p>Use the airbrake [B] if required.</p> <p>Lower the landing gear [G] at the '1000' callout.</p> <p>Start the final flare at 500.</p>
Tenacity launch on VulcanCentaur	<p>Launch a Tenacity DreamChaser on a VulcanCentaur VC6L to the ISS. You can use [V] for an automatic launch until 1st stage MECO. The azimuth is set for the ISS.</p> <p>Align orbital planes during the Centaur burn.</p> <p>This scenario requires the VulcanCentaur addon.</p>