

VIREO / Day16 / Flight35

TEST: Single surface HINF controller tolerates stuck right elevon, and autolands the aircraft. Right elevon stuck at 5 deg trailing-edge up with TECS and single surface controller (Design B). Autoland successful.

RESULT: Success.

EVENTS:

1. Second flight using a single surface HINF controller.
2. Trajectory: left circle, 250 ft AGL, 30 kts, 150 m radius. Controller tracking performance was good.
3. Aborted autoland performed in bravo mode. Aircraft was in single surface mode all the way until glideslope tracking. A few seconds after glideslope tracking began, Curt took over manual control and landed the aircraft.