

Skoll Flight 12:

Videos:

- Launch: <https://www.flickr.com/photos/100936386@N02/20716758929/in/dateposted-public/>
- Launcher: <https://www.flickr.com/photos/100936386@N02/20893820472/in/dateposted-public/>
- Landing: <https://www.flickr.com/photos/100936386@N02/20715562428/in/dateposted-public/>
- Flutter Camera:
<https://www.flickr.com/photos/100936386@N02/20903552725/in/dateposted-public/>

The goal for this flight was to gather aero and flexible body dynamic data at 27 m/s. This was accomplished via two test points: the first test point was an open-loop chirp on surfaces L3/R3 and the second test point was an open-loop chirp on surfaces L4/R4. Both chirps were designed for a frequency sweep from 0.5 to 9.5 Hz. The chirps started at an amplitude of 3.6 degrees and stepped down to an amplitude of 1 degree after 9.5 seconds to avoid putting too much energy into the flexible modes. Open-loop, the pilot directly commands L2/R2 for roll and L3/R3 for pitch. The L3/R3 chirp is additive on top of the pilot command. Flight data quality looks good for both excitations.