



BOSCO II



- Why: Compare NASA 808 fowler flaps to NASA 804 ACTE flaps
 - Exploratory imaging of NASA 808 was successful (8/2017)
- 804 and 808 Configurations:
 - Flaps 25/20; Airspeed Range: 140 – 165 kts
 - Flaps 10; Airspeed Range: 148 – 245 kts
 - GPS Altitude: 10k – 20k
- 804 Images will be captured during ACTE performance flights (2 total flights, one/day)
- 808 Images
 - Need to image 808 on the same day as 804, shortly before or after 804 is imaged
 - Would like to image Flaps 10 and Flaps 20 on 808 on both days that 804 flies to tie the data together across days
- Need 8 passes per configuration
 - Four straight and level
 - Four 45 degree bank
- Passes will occur between Noon & 2 PM

$1.3V_{\text{Stall}} - (V_{\text{max}} - 5 \text{ kts})$
for each comparable
ACTE flap setting

