

ASEN 2804 ROCKET LAB -- LAUNCH DATA SHEET

Data Recorded by Jared Steffer

Date / Time of launch 4/11/2023 | 9:33

Lab Section - Group # 003-2

Launch Pad: 1

Dry Mass: 180 grams

Altimeter #: 003-2

Prop Mass: 401 (400) grams

Launch Pad Angle: 85 deg (from ground)

Wet Launch Mass: 581 grams

Bottle Pressure: 40 psi

Coeff of Drag CDo: 0.164

Weather Station on Ground - Speed / Direction 0 mph from the —

Weather Station Aloft - Speed / Direction 2 mph from the NE →

Temperature: 18 deg F / deg C

Spotter Shoulder Height (h): 58 in / 62 in → 1.47 m / 1.57 m

Spotter distance from Launch Pad (d): 50 m / 53.6 m Estes Altitude Measured Angle (Θ): 31° / 15° deg

Launch Heading Angle (Aimed Direction): 30° NE deg (from North)

8 Foot Height Pole Location: 49.6 m feet / meters (downrange)

