

Weight and Balance Report

N106DS
SZD 51-1 Junior
S/N B1840
Datum is leading edge of wing



140 Aviation Way
Watsonville, CA 95076
831-722-9141
FAX 831-722-9142
www.AirCraftersLLC.com

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Conditions of Weighing:

Aircraft level at Leading and Trailing Edge of Wing

SAMPLE CALCULATION


In-Flight CG Range* is
11.3"(fwd) to 19.0"(aft)
Pilot CG is -19.7" to -20"

| <u>Longitudinal CG</u> | | |
|---------------------------|-----------------------------|-------------------------------|
| Station (inches) | Weight (lbs.) | Moment (inch-lbs) |
| Airplane 27.8 | 520 | 14477 |
| Pilot w/chute -20.0 | 235 | -4700 |
| Nose Ballast -38.2 | 0 | 0 |
| Bag (Slot) 4.7 | 3 | 14 |
| Bag (Wing) 8.7 | 3 | 26 |
| | | |
| | | |
| Loaded CG: 12.9 | Loaded Weight 761 | Loaded Moment: 9817 |

Max Gross Weight **840 lbs**

Empty Weight **520 lbs**

* Aircraft in-flight CG determined from British and Canadian Type Certificate Data



Timothy Farrell 3436432 LSRM