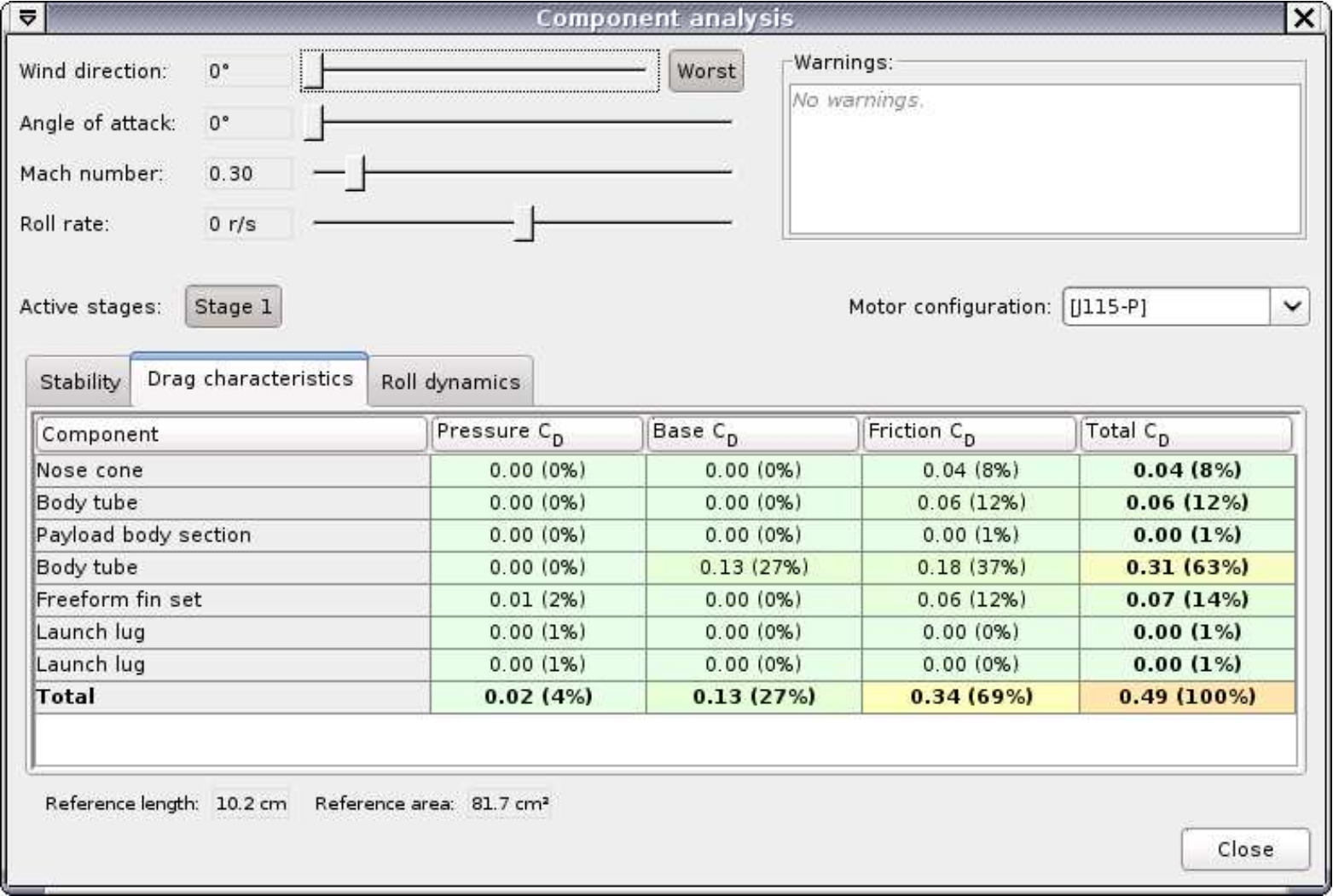
Component analysis
Wind direction: 0°
Worst
Angle of attack: 0°
Mach number: 0.30
Roll rate: 0 r/s
Warnings:
No warnings.
Active stages: Stage 1
Motor configuration: [J115-P]
Stability
Drag characteristics
Roll dynamics
Component | Pressure C_D | Base C_D | Friction C_D | Total C_D
Nose cone | 0.00 (0%) | 0.00 (0%) | 0.04 (8%) | 0.04 (8%)
Body tube | 0.00 (0%) | 0.00 (0%) | 0.06 (12%) | 0.06 (12%)
Payload body section | 0.00 (0%) | 0.00 (0%) | 0.00 (1%) | 0.00 (1%)
Body tube | 0.00 (0%) | 0.13 (27%) | 0.18 (37%) | 0.31 (63%)
Freeform fin set | 0.01 (2%) | 0.00 (0%) | 0.06 (12%) | 0.07 (14%)
Launch lug | 0.00 (1%) | 0.00 (0%) | 0.00 (0%) | 0.00 (1%)
Launch lug | 0.00 (1%) | 0.00 (0%) | 0.00 (0%) | 0.00 (1%)
Total | 0.02 (4%) | 0.13 (27%) | 0.34 (69%) | 0.49 (100%)
Reference length: 10.2 cm
Reference area: 81.7 cm²
Close