



Spaceport Rocketry Association

Premier Rocketry Organization Serving the Space Coast for over 30 Years
 www.spaceportrocketry.org

NIKE - ORION ROCKET DATA SHEET

ROCKET DESCRIPTION			
Type of Rocket <input type="checkbox"/> Large Model <input checked="" type="checkbox"/> High Power <input type="checkbox"/> Sport <input type="checkbox"/> Competition <input type="checkbox"/> Altitude <input type="checkbox"/> Duration <input type="checkbox"/> _____ <input checked="" type="checkbox"/> Scale <input type="checkbox"/> Payload <input checked="" type="checkbox"/> Multi-Stage <input type="checkbox"/> Cluster	Design <input type="checkbox"/> Kit _____ <input checked="" type="checkbox"/> Scratch Built Dimensions Length <u>94.8 in</u> Diameter <u>3.0/4.0 in</u> Nose Shape <u>Ogive (PML)</u> Empty Weight <u>131 oz</u> Empty CG <u>56.5 in</u> CP Location <u>73.4 in</u> No. of Stages <u>2</u>	Fins (Booster/Sustainer) No. of Fins <u>4/4</u> Span <u>4.75/4.0 in</u> Root Chord <u>5.25/4.5 in</u> Tip Chord <u>2.75/2.5 in</u> Sweep Length <u>1.5/4.0 in</u> Fin Airfoil Shape <input type="checkbox"/> Square Edges <input checked="" type="checkbox"/> Rounded Edges <input checked="" type="checkbox"/> Symmetrical <input type="checkbox"/> Chambered	Motors No. of Motors <u>2</u> Minimum Thrust _____ Recommended Motors <u>See page 2</u> _____ _____

BOOSTER RECOVERY SYSTEM			
Drogue Type <input type="checkbox"/> Tumble <input type="checkbox"/> Streamer <input type="checkbox"/> Parachute <input type="checkbox"/> Glider <input type="checkbox"/> Helicopter <input type="checkbox"/> _____	Drogue Description Shape _____ Size _____ Material _____ Color _____ No. of Shrouds _____ Shroud Length _____	Main Type <input type="checkbox"/> Tumble <input type="checkbox"/> Streamer <input checked="" type="checkbox"/> Parachute <input type="checkbox"/> Glider <input type="checkbox"/> Helicopter <input checked="" type="checkbox"/> Rocketman R4C	Main Description Shape <u>Square</u> Size <u>48 in</u> Material <u>Nylon</u> Color <u>Orange</u> No. of Shrouds <u>4</u> Shroud Length <u>52 in</u>

SUSTAINER RECOVERY SYSTEM (Drogue Upper & Main Lower)			
Drogue Type <input type="checkbox"/> Tumble <input checked="" type="checkbox"/> Streamer <input type="checkbox"/> Parachute <input type="checkbox"/> Glider <input type="checkbox"/> Helicopter <input type="checkbox"/> _____	Drogue Description Shape _____ Size <u>4 x 120 in</u> Material <u>Nylon</u> Color <u>Yellow</u> No. of Shrouds _____ Shroud Length _____	Main Type <input type="checkbox"/> Tumble <input type="checkbox"/> Streamer <input checked="" type="checkbox"/> Parachute <input type="checkbox"/> Glider <input type="checkbox"/> Helicopter <input checked="" type="checkbox"/> RocketMan R7C	Main Description Shape <u>Square</u> Size <u>72 in</u> Material <u>Nylon</u> Color <u>Green/Black</u> No. of Shrouds <u>4</u> Shroud Length <u>68 in</u>

ELECTRONICS			
<input checked="" type="checkbox"/> Altimeter <u>Transolve P6K</u> _____	<input checked="" type="checkbox"/> Timer <u>Blacksky Timer 2N</u> <input checked="" type="checkbox"/> Beeper	<input type="checkbox"/> Accelerometer _____	<input type="checkbox"/> Camera/Video _____ <input type="checkbox"/> _____

