

 SARC Flight Card	<i>Do not write in shaded sections</i>	Date
Member's Name		TRA #
Rocket Name		☐ Rocket's 1 st Flight ☐ 1 st Time Flying?
Certification Attempt? (Tick only if applicable) HPR: ☐ L1 ☐ L2 ☐ L3		
☐ Ready-to-Fly ☐ Kit ☐ Modified ☐ Scratch-built If Modified or Scratch-built, stability checked how:		Stability Calibre:
Motor(s):	Total weight of rocket + motor(s):	
Motor type: ☐ Black Powder ☐ Composite ☐ Hybrid ☐ Cluster ☐ Staged ☐ Sparky (See RSO)		
Flyer to check	☐ Fins securely mounted ☐ Chute/streamer protection (e.g. wadding) ☐ Shock-cord condition, attachment secure	☐ Nose fit - not too tight or too loose ☐ Chute not jammed in airframe ☐ CG & CP location marked
Est. altitude (ft):	Recovery by: ☐ Streamer ☐ Chute(s) Size(s): ☐ Other:	
Deploy: ☐ Motor eject. ☐ Chute release ☐ Electronic deploy.	RSO/FSR Initials	PAD#
Main chute to deploy at (ft):		
LCO Initials	☐ GOOD ☐ CATO ☐ Unstable ☐ Separation ☐ Tangled ☐ Shred ☐ Zipper ☐ No chute ☐ Lawn Dart	

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Flight Safety Review Checklist

- ☐ **Wristband** (Active TRA + SARC membership. Waiver signed)
- ☐ **Flight Card complete and correct**
- ☐ **Airframe** – No deformations. Name and phone number present
- ☐ **Launch lug(s)/Rail buttons** – Aligned, secure
- ☐ **Nosecone** fit
- ☐ **Recovery System** – Size, protected. Cord length, securely attached
- ☐ **Fins** – Aligned, secure
- ☐ **Motor**
 - ☐ Condition OK
 - ☐ Within flyer's certification
 - ☐ Research Motor? Refer to RSO
 - ☐ Composite motor? Check propellant type (Green banned)
 - ☐ Is it a “sparky”? Site conditions may prevent use. Take extra precautions. **RSO and LCO contacted beforehand.**
 - ☐ Reloadable motor? Confirm delay with black powder installed (for motor ejection)
- ☐ **Motor mount** – Motor should be concentric with tube, **adequately retained**
- ☐ **Motor Delay** correct
- ☐ **Stability** - within parameters
- ☐ **Thrust to weight ratio** >5:1. Otherwise if >3:1, refer to RSO
- ☐ **CG and CP marked. Ignitor NOT installed**
- ☐ **Altitude prediction** within site limits. Prefer in ft (1m ≈ 3.28ft)

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