

 SARC Flight Card		Do not write in shaded sections		Date	
Member's Name				TRA #	
Rocket Name				☐ Rocket's 1 st Flight	
Certification Attempt? (Tick only if applicable) HPR: ☐ L1 ☐ L2 ☐ L3				☐ 1 st Time Flying?	
☐ R.T.F. ☐ 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 Size(s): ☐ Chute(s) ☐ Other:			
Deploy:		☐ Motor eject. ☐ Chute release ☐ Electronic deploy.		RSO/FSR Initials PAD#	
Main chute to deploy at:					
LCO Initials		☐ GOOD ☐ CATO ☐ Unstable ☐ Separation ☐ Tangled ☐ Shred ☐ Zipper ☐ No chute ☐ Lawn Dart			

 SARC Flight Card		Do not write in shaded sections		Date	
Member's Name				TRA #	
Rocket Name				☐ Rocket's 1 st Flight	
Certification Attempt? (Tick only if applicable) HPR: ☐ L1 ☐ L2 ☐ L3				☐ 1 st Time Flying?	
☐ R.T.F. ☐ 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 Size(s): ☐ Chute(s) ☐ Other:			
Deploy:		☐ Motor eject. ☐ Chute release ☐ Electronic deploy.		RSO/FSR Initials PAD#	
Main chute to deploy at:					
LCO Initials		☐ GOOD ☐ CATO ☐ Unstable ☐ Separation ☐ Tangled ☐ Shred ☐ Zipper ☐ No chute ☐ Lawn Dart			

 SARC Flight Card		Do not write in shaded sections		Date	
Member's Name				TRA #	
Rocket Name				☐ Rocket's 1 st Flight	
Certification Attempt? (Tick only if applicable) HPR: ☐ L1 ☐ L2 ☐ L3				☐ 1 st Time Flying?	
☐ R.T.F. ☐ 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 Size(s): ☐ Chute(s) ☐ Other:			
Deploy:		☐ Motor eject. ☐ Chute release ☐ Electronic deploy.		RSO/FSR Initials PAD#	
Main chute to deploy at:					
LCO Initials		☐ GOOD ☐ CATO ☐ Unstable ☐ Separation ☐ Tangled ☐ Shred ☐ Zipper ☐ No chute ☐ Lawn Dart			

 SARC Flight Card		Do not write in shaded sections		Date	
Member's Name				TRA #	
Rocket Name				☐ Rocket's 1 st Flight	
Certification Attempt? (Tick only if applicable) HPR: ☐ L1 ☐ L2 ☐ L3				☐ 1 st Time Flying?	
☐ R.T.F. ☐ 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 Size(s): ☐ Chute(s) ☐ Other:			
Deploy:		☐ Motor eject. ☐ Chute release ☐ Electronic deploy.		RSO/FSR Initials PAD#	
Main chute to deploy at:					
LCO Initials		☐ GOOD ☐ CATO ☐ Unstable ☐ Separation ☐ Tangled ☐ Shred ☐ Zipper ☐ No chute ☐ Lawn Dart			

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 $\approx$ 3.28ft)

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 $\approx$ 3.28ft)

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 $\approx$ 3.28ft)

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 $\approx$ 3.28ft)