



Model Rocket

# FLIGHT DATA SHEET

PUBLISHED AS A SERVICE TO ITS CUSTOMERS BY  
ESTES INDUSTRIES, PENROSE, COLORADO 81240  
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NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_  
ZIP \_\_\_\_\_

USE ONE FLIGHT DATA SHEET FOR EACH MODEL  
FOUR FLIGHTS MAY BE RECORDED ON EACH SHEET

## PREFLIGHT INFORMATION

Rocket Name \_\_\_\_\_ Nose Cone Type \_\_\_\_\_  
Rocket Number \_\_\_\_\_ Fin Type \_\_\_\_\_  
Date Completed \_\_\_\_\_ No. of Fins \_\_\_\_\_  
Type of Rocket \_\_\_\_\_ Color Scheme \_\_\_\_\_  
No. of Stages \_\_\_\_\_ Weight Empty \_\_\_\_\_

## COUNTDOWN CHECKLIST\*

Parachute or Streamer Recovery	Feather-weight, break-apart, or Helicopter Recovery	Glide Recovery
Flight #1 Flight #2 Flight #3 Flight #4  <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 12) Pack flame resistant recovery wadding into the body tube. Insert the parachute or streamer. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 11) Install the nose cone or payload section. Check condition of the payload (if any). <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 10) If not equipped with an engine hook, apply masking tape to the engine(s) to achieve a tight friction fit in the body tube(s). Secure with engine hook, if used. When launching a multi-stage rocket, be sure that the engines are in their proper relative positions and that a layer of cellophane tape is wrapped tightly around each engine joint. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 9) Install an igniter in the engine. Insert an igniter plug. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 8) Place the rocket on the launcher. Clean and attach the micro-clips. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 7) Clear the area. Check for low-flying aircraft and alert recovery crew and trackers. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 6) Insert the safety key in controller. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 5) Begin audible countdown <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 4) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 3) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 2) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 1) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> LAUNCH!	Flight #1 Flight #2 Flight #3 Flight #4  <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 10) Fit the engine in the body tube carefully so that the recovery system will function properly. Secure with engine hook, if used. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 9) Install an igniter in the engine. Insert an igniter plug. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 8) Place the rocket on the launcher. Clean and attach the micro-clips. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 7) Clear the area. 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Flight #1 Flight #2 Flight #3 Flight #4  <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 12) Check booster recovery system, if separate from glider. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 11) Set trim adjustments for desired flight path and for existing weather conditions. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 10) Check engine for proper fit in body tube. Secure with engine hook, if used. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 9) Install an igniter in the engine. Insert an igniter plug. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 8) Place the rocket on the launcher. 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\*Helicopter recovery systems might use any of the three checklists depending on the specific rocket. Consult the instructions for the specific kit.

## LAUNCH

Flight Number	Flight #1	Flight #2	Flight #3	Flight #4
Date of Launch				
Launch Location				
Payload	Description			
	Weight			
Recovery System	Type			
	Color			
Engines: No. of/ Type	1st Stage			
	2nd Stage			
	3rd Stage			
Total Weight				
Method of Launch				
Launch Angle				
Predicted Altitude				

## WEATHER

Wind Direction			
Wind Velocity			
Humidity			
Temperature			
Visibility			
Remarks			

## FLIGHT DATA

Altitude	Estimated			
	Tracking Information			
Computed Alt.				
Flight Duration				
Stability Information				
Flight Performance				