

**TEAM AMERICA ROCKETRY CHALLENGE 2012**  
**QUALIFYING/SELECTION FLIGHT DEMONSTRATION**

TEAM'S SCHOOL/ORGANIZATION: \_\_\_\_\_

AIA TEAM NUMBER: \_\_\_\_\_ ADULT ADVISOR: \_\_\_\_\_

DATE OF THIS FLIGHT: \_\_\_\_\_ QUALIFICATION ATTEMPT # \_\_\_\_\_

**MINIMUM FLIGHT REQUIREMENTS (ALL MUST BE MET)** PUT "YES" OR "NO"

Did this rocket weigh less than 650 grams at takeoff, with eggs and motors? \_\_\_\_\_

Did it use motors from the TARC approved list containing a total of no more than 80 N-sec total impulse? \_\_\_\_\_

Did the rocket contain two Grade A large, raw hen's eggs and a TARC-approved altimeter? \_\_\_\_\_

Did this rocket make a safe flight and recovery under the TARC rules & NAR Safety Code? \_\_\_\_\_

Did the part of the rocket containing the eggs land without any human intervention (catching)? \_\_\_\_\_

Did the part of the rocket containing the eggs use a parachute for recovery? \_\_\_\_\_

Did both eggs carried by the rocket remain uncracked after the flight? \_\_\_\_\_

**SCORING**

TIMER # 1 (NAR OBSERVER): \_\_\_\_\_  
 SEC HUNDREDTHS

TIMER # 2 (OTHER ADULT): \_\_\_\_\_  
 SEC HUNDREDTHS

AVERAGE TIME: \_\_\_\_\_  
 SEC HUNDREDTHS

ALTIMETER ALTITUDE: \_\_\_\_\_ FEET

EXCESS ABOVE 47.00 SEC: \_\_\_\_ . \_\_\_\_

MULTIPLY EXCESS BY 3: \_\_\_\_ . \_\_\_\_

SHORTFALL BELOW 43.00 SEC: \_\_\_\_ . \_\_\_\_

MULTIPLY SHORTFALL BY 3: \_\_\_\_ . \_\_\_\_

DIFFERENCE FROM 800 FEET: \_\_\_\_\_  
 (NO NEGATIVES)

**FINAL SCORE (SUM)** \_\_\_\_ . \_\_\_\_

**Put only "DQ" if any answers above are "no"**

**SUPERVISING TEACHER/ADULT CERTIFICATION**

I certify that the student members of this team designed, built, and flew this rocket without my assistance and, to the best of my knowledge, without the assistance of any other adult or any person not on the team. I also certify that no more than the allowed number of official qualification flight attempts were made by this team, and that the team information on file at AIA is current. I understand that team membership can no longer be changed and only team members on file at AIA with valid parent consent forms are eligible to receive prizes.

SIGNATURE: \_\_\_\_\_ PRINT NAME: \_\_\_\_\_

**ADULT N.A.R. MEMBER OBSERVER CERTIFICATION**

I certify that I am a Senior NAR member who personally observed this flight, and the above initials and scores are mine, based on my observations. I certify that I am not related to any team members or affiliated with their school or non-profit organization, and that this flight was conducted in compliance with the rules of the Team America competition.

SIGNATURE: \_\_\_\_\_ PRINT NAME: \_\_\_\_\_

NAR NUMBER: \_\_\_\_\_ STREET ADDRESS: \_\_\_\_\_

CITY, STATE: \_\_\_\_\_ PHONE: \_\_\_\_\_ EMAIL: \_\_\_\_\_

\*\*\*\*FAX TO 703-358-1133 OR E-MAIL SCANNED COPY TO [anne.ward@aia-aerospace.org](mailto:anne.ward@aia-aerospace.org) NO  
 LATER THAN MIDNIGHT (EST) APRIL 2, 2012\*\*\*\*

**Team sends in form if flight successful, NAR observer sends in form for unsuccessful flights.**