

# TARC 2016 Lessons

## Good

Rockets built early  
Lots of rocket launches  
Reasonable good weather  
New launch site at Charles Town  
Walkersville launch site worked well  
Many members at launches  
Team continuity  
Use of motor plugs out of masking tape  
No CATOs  
Few broken eggs  
F39 good impulse motor  
Good job building reusable motors  
No lost rockets (never went to Mt Airy)  
Found Sam's rocket from the year before  
Samantha and Bob  
Good parent help  
Used wind sock (ribbon) to indicate direction

## Bad

Need to listen to all team members  
Need better communications  
Need bigger teams  
F24 sputter ignitions  
Didn't make Nationals  
Need to take better care of the motors  
More Open Rocket designs  
Don't have fins extend past the end of the rocket  
Need more attention to launch rail angles  
Need longer shock cords  
Need to record more launch data (air pressure, temperature, clouds, wind speed/direction)  
Use check lists before leaving Rockville and before launching  
Need launch rail leveling guide on rail

## Ugly

Both launch buttons need to be on booster  
Too much tape holding wires  
Check shock cords for issues between flights  
Used the wrong motor