

Post-Mortem - Mid-Atlantic Region Championship

Temple University, Philadelphia, PA

12-14 April, 2012

What Worked?

- We won!
- Making friends
- Great pit work (FAST!!! Efficient! Coordinated)
- Barrier crossing (really important!)
- Triple balance
- Scouting
- Feeding
- Fouling
- Fender defense
- Bridge skills
- We know how to drive
- Flexible Autonomous (scripting)

What didn't?

- Drive-train description needs to be clear
- Reliability on 2nd autonomous shot
- Lift geometry changes (rails shift)
- Not shooting from the right location in teleop
- Inconsistent scoring (shooting)
- Can't be the 3rd robot on the bridge (therefore low value in a stinger)
- Coopertition points
- Stands enthusiasm
- Lost com once (explained & resolved)

What can we do better?

- Scouting will be more critical at Championship
- Scoring consistently
- Timing on when to stop blocking return of balls
- Camera for seeing balls

Action Plan

- Pin Pivots
- Replace top plate (1) pivot
- Replace motor on pivot
- Molly sensor bracket (& duplicate)
- Check Vishay sensors
- Test "bang-bang" shooter control on Deux
- Redrill new bridge arm (to bring inside 14" limit)
- Repair bumper
- Replace beater bar
- Print handouts
- Purchase replacement am-0912 motors & pinions - make up spares
- Mount & wiring for 2nd camera