**Red Team**

**Stargazer**

**Automatic Telescope Control System**

**Release Notes**

**Team Members:**

Rob Grmek

Robert Smith

**Instructor:**

**Youry Khmelevsky**

**Course:**

**COSC 471**

**Date:**

**January 22nd, 2010**

# ****Release Notes: Prototype: Release #4****

We have began construction of the telescope-controlling application as well as overcome issues related to drivers and automated scheduling.

The following development was completed this iteration:

* Online help: has been updated and added to the web application.
* Job scheduling: schedules created through the web application correspond to jobs created in the Oracle XE database. When new schedules are created, a trigger fires on the Schedules table, creating a job using Oracle’s dbms\_scheduler package. When the specified time occurs, the scheduler calls a batch file on the local Windows machine connected to the telescope. The batch file takes arguments passed from the scheduler and then calls the telescope-controlling application passing in the same arguments. The application then runs the commands necessary for the drivers to recognize and position the telescope.
* Telescope movement: we have discovered the abilities to park the telescope and move the telescope to specific celestial coordinates.