

j. Satellite coordinates are sent from this program. Currently, it is all calculated in Matlab.

Green: Connected
Red: Not connected

k. Multiple satellites can be selected to display all their coordinates simultaneously by using the "Test" button

- a. Current tracked satellite
- b. Connect to the azimuth and elevation controllers
- c. Start tracking and following satellite
- d. Clear connections to controllers
- e. Stop following satellite
- f. Show satellite coordinates in the table below (e) without telling the rotors to follow.
- g. Predicts future satellite orbits and saves to file.

h. Displays satellite coordinates

i. Display panel for debugging

Base Station Rotor Control

Matlab

Satellite: OSCAR 7 (AO-7)

Connect

Start

Clear

Stop

Test

Update TLE's

Future

Azimuth

Elevation

0.00

0.00

	Azimuth	Elevation	Latitude	Longitude
1				
2				
3				
4				
5				

Updated TLE at 17:39:37, 12-Feb-2015

- OSCAR 7 (AO-7)
- UOSAT 2 (UO-11)
- LUSAT (LO-19)
- ITAMSAT (IO-26)
- RADIO ROSTO (RS-15)
- JAS-2 (FO-29)
- TECHSAT 1B (GO-32)
- ISS (ZARYA)
- PCSAT (NO-44)
- SAUDISAT 1C (SO-50)
- CUTE-1 (CO-55)
- CUBESAT XI-IV (CO-57)
- MOZHAYETS 4 (RS-22)
- HAMSAT (VO-52)
- CUBESAT XI-V (CO-58)
- CUTE-1.7+APD II (CO-65)
- DELFI-C3 (DO-64)
- SEEDS II (CO-66)
- YUBILEINY (RS-30)
- PRISM (HITOMI)
- KKS-1 (KISEKI)
- SWISSCUBE
- BEESAT
- ITUPSAT 1
- XIWANG-1 (HOPE-1)
- TISAT 1
- JUGNU
- SRMSAT
- M-CUBED & EXP-1 PRIME
- HORYU 2
- AAUSAT3
- STRAND-1
- BEESAT-3
- BEESAT-2
- CUBEBUG-1 (CAPITAN BETO)
- ZACUBE-1 (TSHEPISOSAT)
- TRITON-1
- GOMX 1
- HUMSAT-D
- EAGLE 2
- VELOX-P11
- CUBEBUG-2 (LO-74)
- FUNCUBE-1 (AO-73)
- UWE-3
- SPROUT
- DUCHIFAT-1
- NTS (CANX-6)
- COMPASS-1
- CANX-2
- BRITE-AUSTRIA
- UNIBRITE
- DOVE-2
- AIST-2
- SOMB