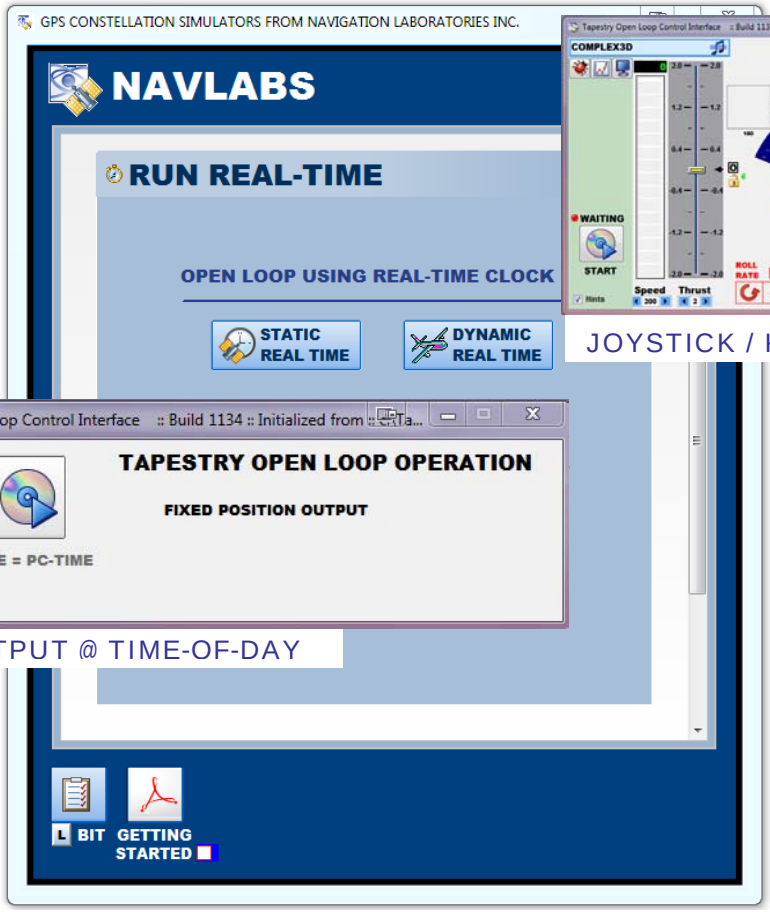
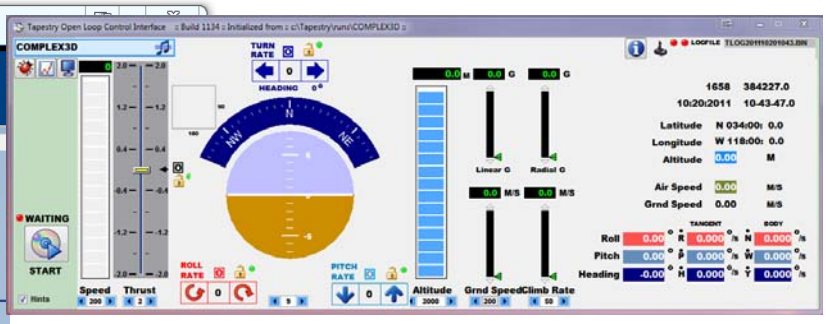
USING THE OPENLOOP VEHICLE MOTION GENERATOR [REAL-TIME-CLOCK]

If your application requires a CURRENT-REAL-TIME Fix, use this operational configuration in which TAPESTRY outputs an RF Signals consistent with REAL-TIME-OF-DAY. The provided modes include:

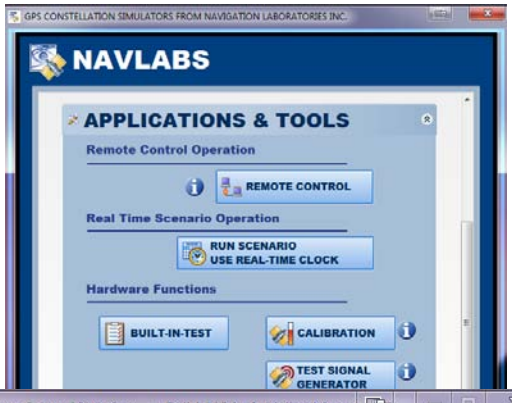
- Scenario Playback using TIME-OF-DAY
- Real-Time Interactive 6DOF Motion Generator at TIME-OF-DAY
- Basic RF Output at TIME-OF-DAY

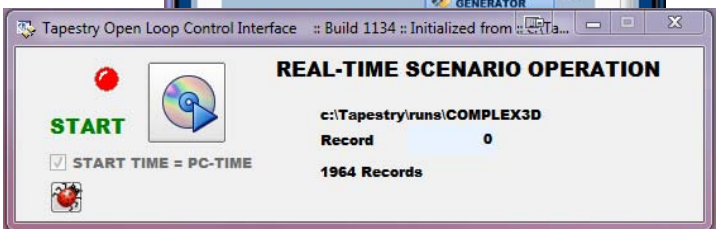




JOYSTICK / KEYBOARD DRIVEN 6DOF

BASIC OUTPUT @ TIME-OF-DAY





SCENARIO PLAYBACK @ TIME-OF-DAY

The COCKPIT Application provides an alternative method for:

- Constructing a Complex motion profile that can be imported into the ***Build Scenario*** Application.
- Constructing a Dynamic Vehicle Motion Profile at TIME-OF-DAY

To Start the Application, select the **Run Real-Time** Group → Open Loop - DYANMIC REAL-TIME

JOYSTICK Status
Green Detected, Red Not

NOTE: Connect the Joystick to a vacant USB connector *before* starting the Application or it won't be detected.

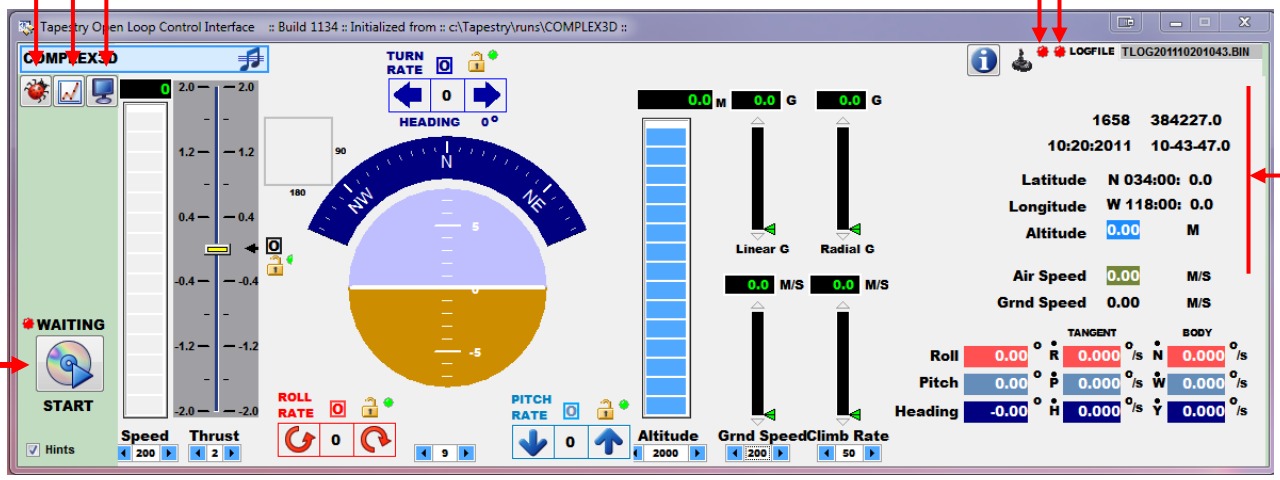
SETUP / MEMORY PEEK

SHOW 3D GROUND TRACK

CYCLE THROUGH GUI DISPLAYS

DATA LOGGING
Green Active, Red Not

NOTE: CLICK TO TOGGLE ON/OFF

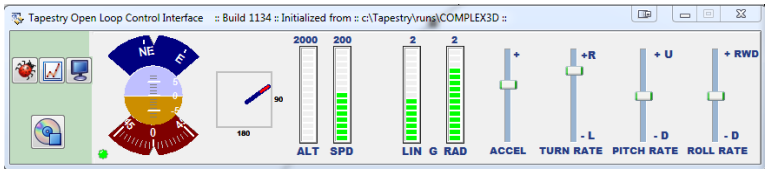


<CLICK.> TO CHANGE

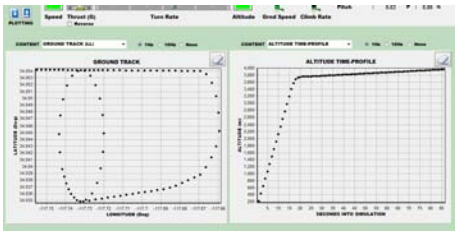
START / STOP

SETUP FORM

TOGGLE TO SMALLER COCKPIT DISPLAY



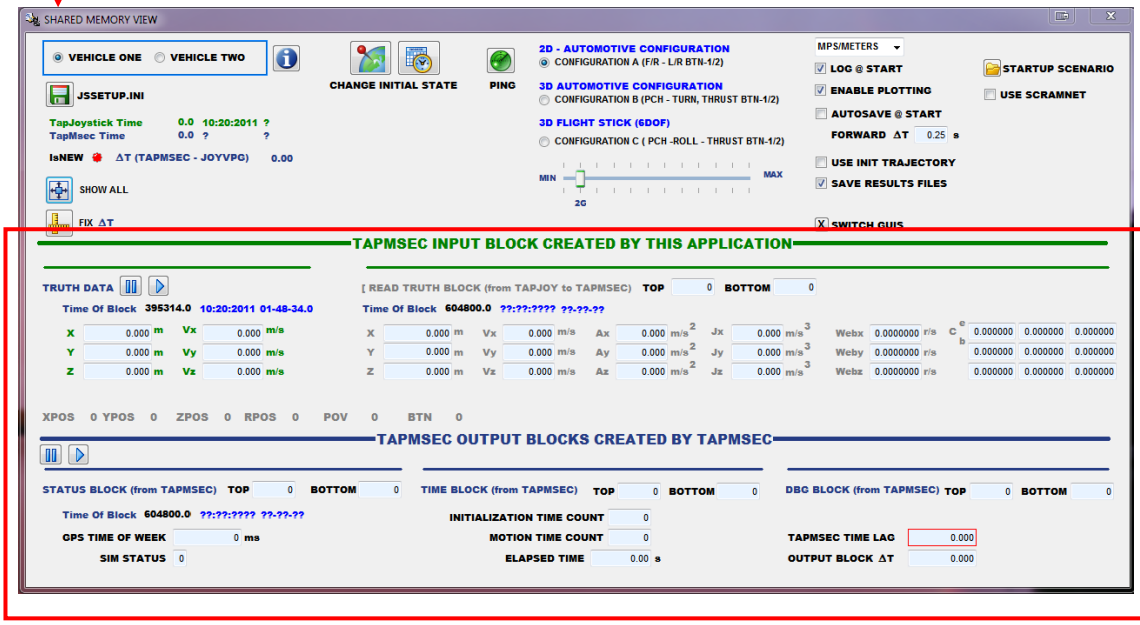
SHOW GROUND TRACK



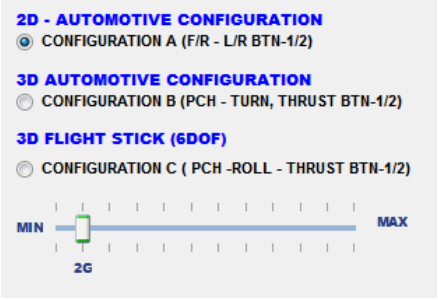
WAITING FOR RUN SCENARIO TO START AFTER THE PING WAS SENT - WILL TRANSITION TO RUNNING (SECONDS)

START / STOP

TOGGLE SHOW HINTS



SHARED MEMORY VIEW

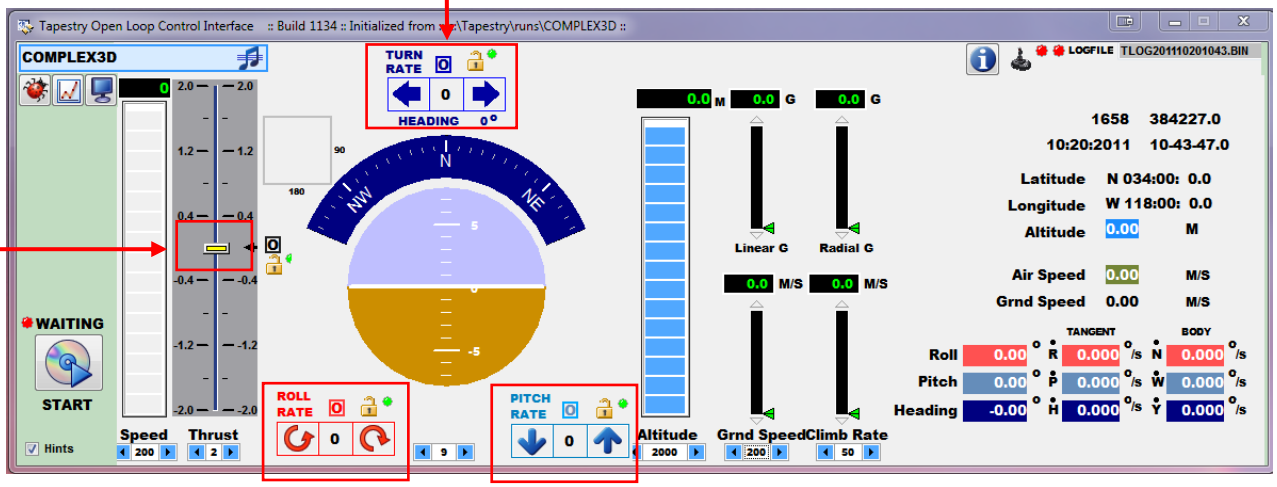


JOYSTICK CONFIGURATION

Pull the Slider to change the AIR-SPEED

Note: You can touch the control with the mouse and then use the Arrow Keys for fine control

UP/DWN change TURN

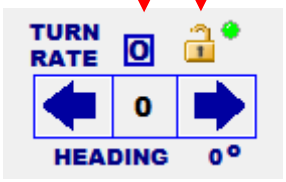


UP/DWN change ROLL

UP/DWN change PITCH

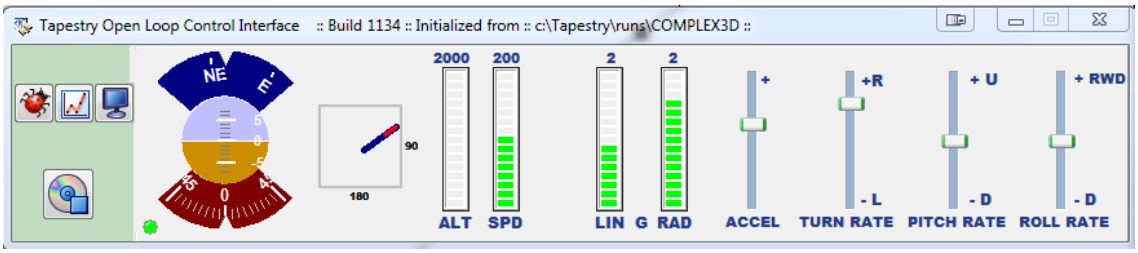
CLICK TO LOCK /UNLOCK CONTROL GREEN LIGHT TO RED

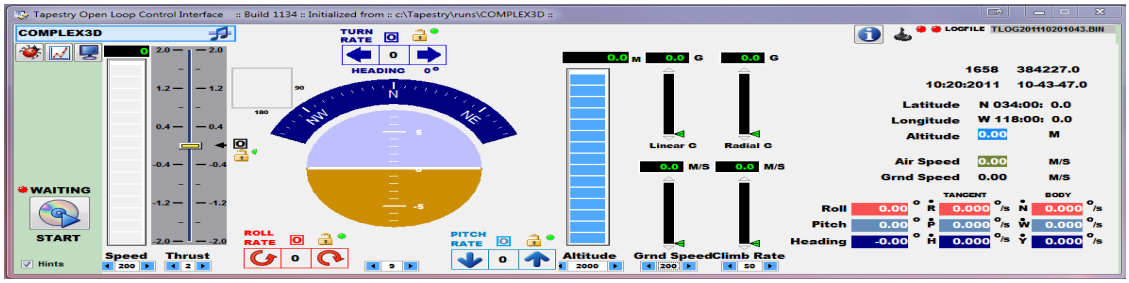
CLICK TO FORCE RATE = 0



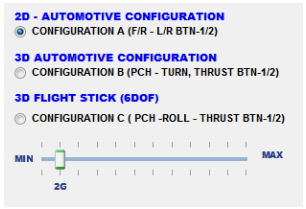
MINI FLIGHT PANEL TO AVOID COVERING RUN SCENARIO

TOGGLE BETWEEN TWO FLIGHT DISPLAYS





SETUP FORM



2D - AUTOMOTIVE CONFIGURATION

CONFIGURATION A (F/R - L/R BTN-1/2)

3D FLIGHT STICK (6DOF)

CONFIGURATION C (PCH -ROLL - THRUST BTN-1/2)

SET G LEVELS
(MAX DISPLACEMENT)

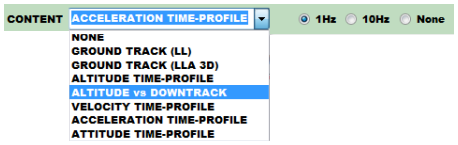
3D AUTOMOTIVE CONFIGURATION

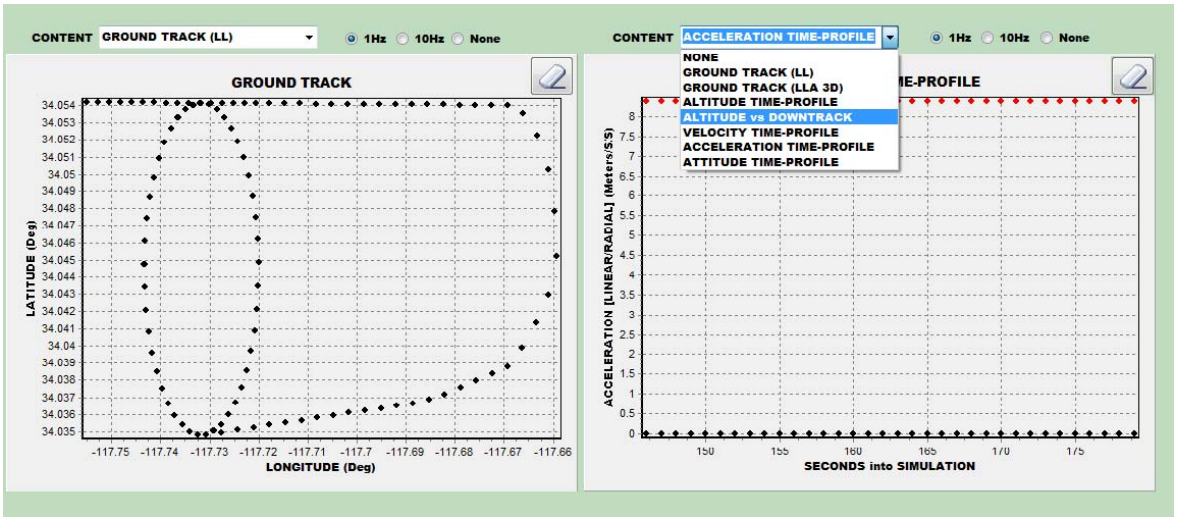
CONFIGURATION B (PCH - TURN, THRUST BTN-1/2)

Application tested with
Microsoft Side Winder Precision 2 Joystick / USB

PLOTTING

Plot windows can be configured separately run-time.

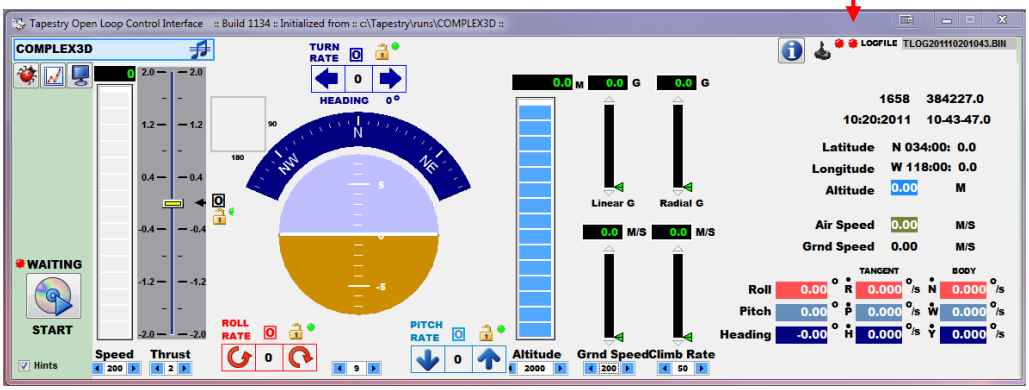


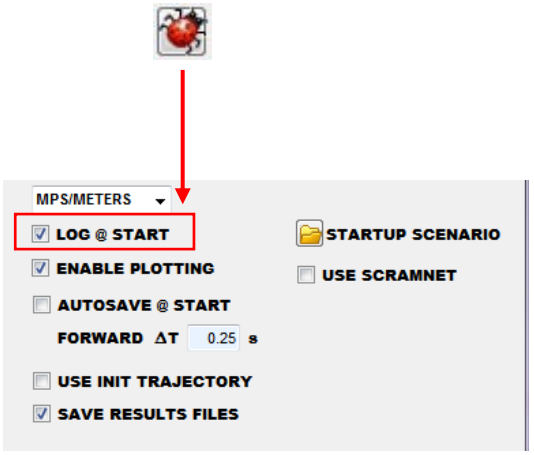


DATA RECORDING

DATA LOGGING
Green Active, Red Not

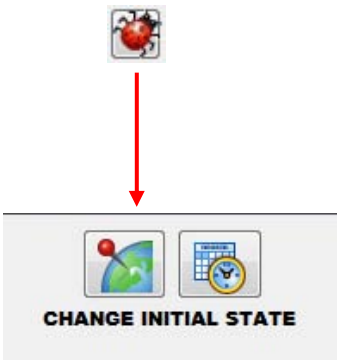
NOTE: CLICK TO TOGGLE ON/OFF

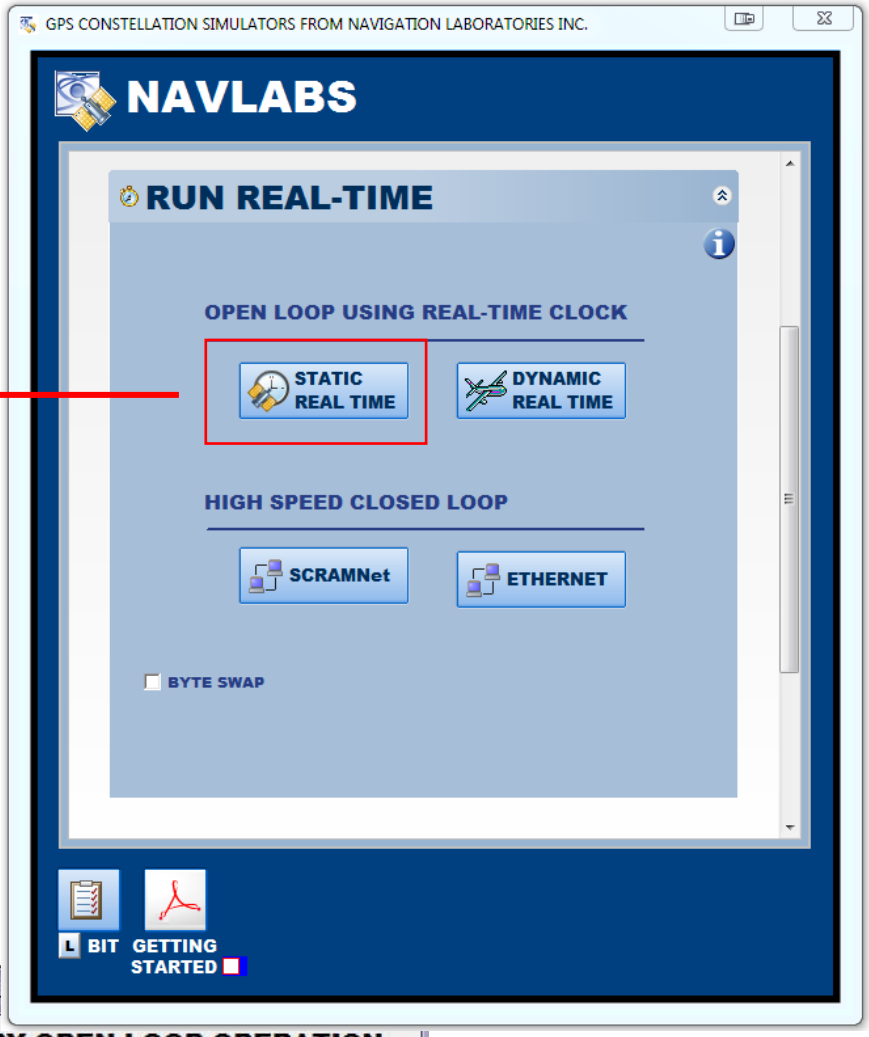


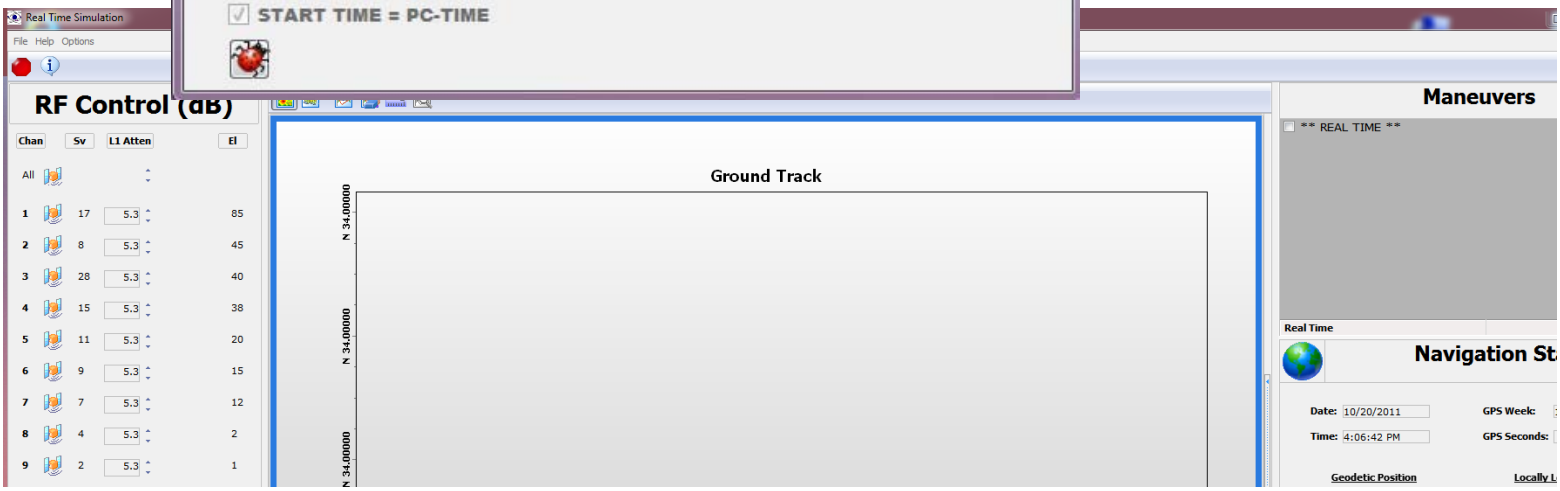


Data is saved in [Week Seconds

Press the Control and an RF Output will commence using the STATIC position as defined in the START SCENARIO. Adjust the Initial Location using the Setup Menu.







USE THE OPENLOOP MODE TO PLAYBACK A SCENARIO USING CURRENT TIME-OF-DAY.

This is for those applications that cannot go "back in time"