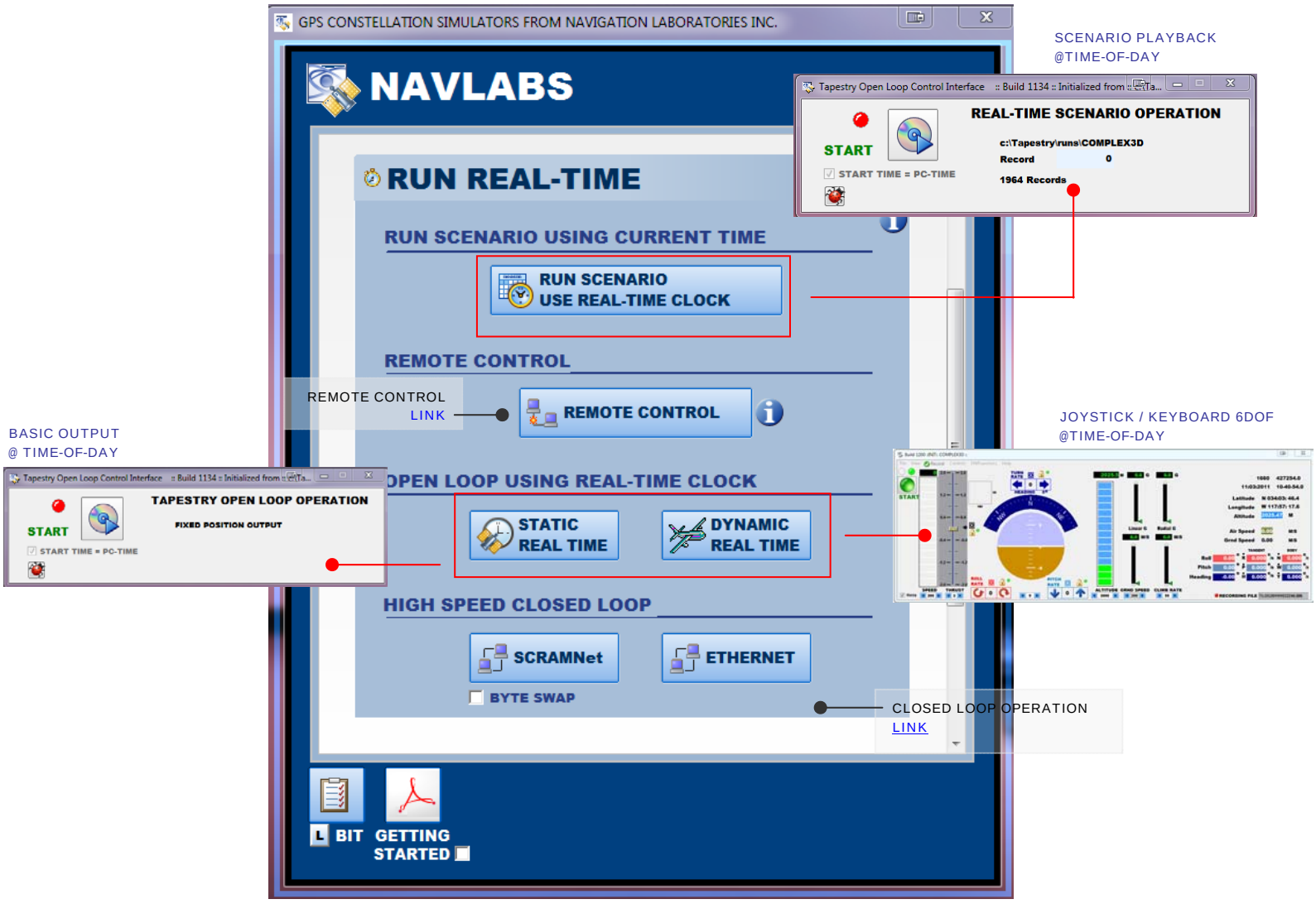
USING THE OPENLOOP VEHICLE MOTION GENERATOR [REAL-TIME-CLOCK]

To operate in TIME-OF-DAY, use this operational configuration in which TAPESTRY outputs an RF Signals consistent with clock time as defined by the Computer Clock. The modes are:

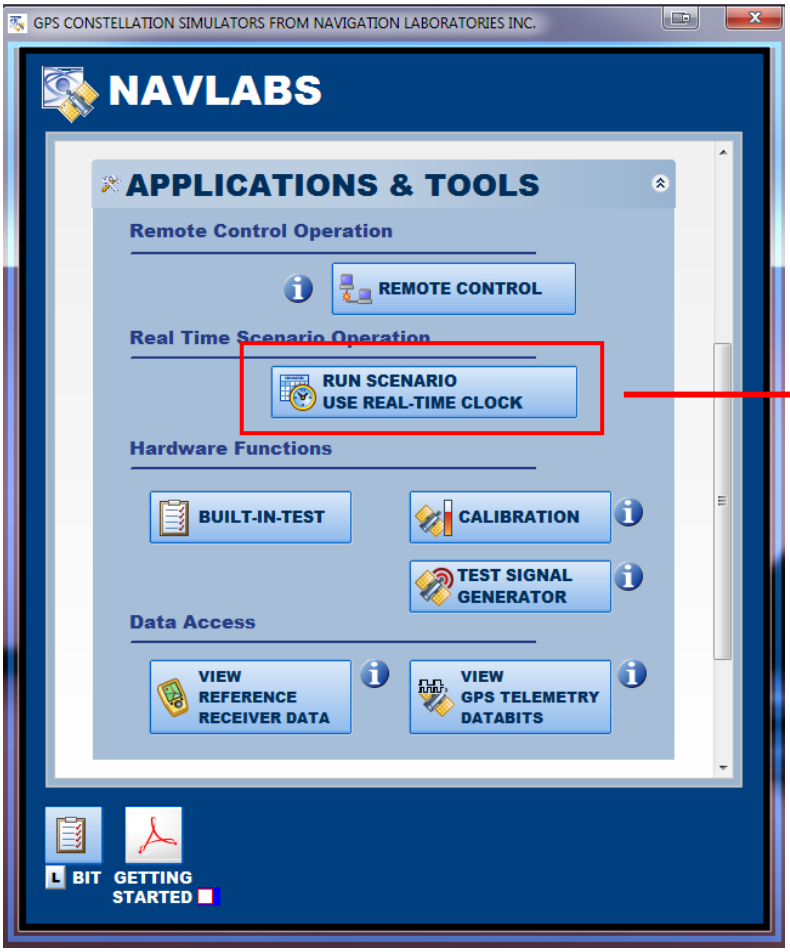
- BASIC RF OUTPUT at TIME-OF-DAY
- SCENARIO PLAYBACK at TIME-OF-DAY
- 6DOF INTERACTIVE Motion Generator at TIME-OF-DAY

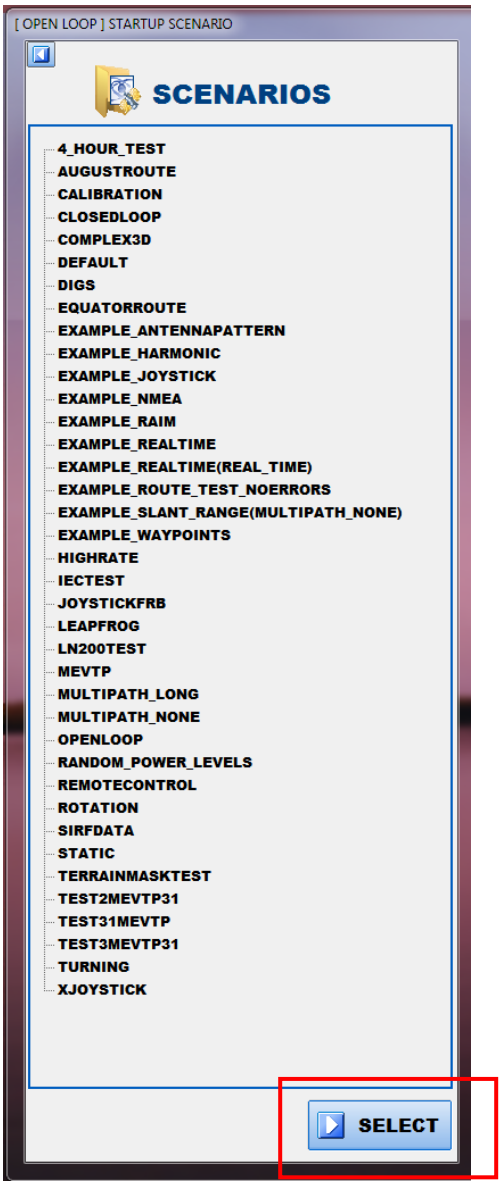
Each is expanded upon subsequently.

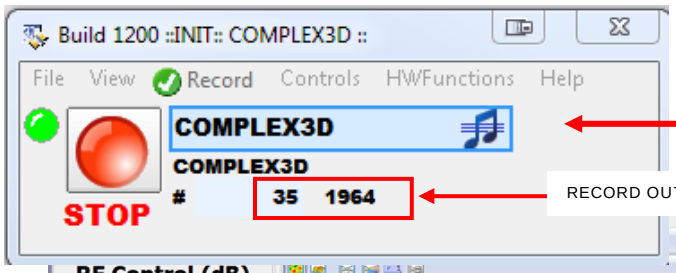


USE THE OPENLOOP MODE TO PLAYBACK A SCENARIO USING CURRENT TIME-OF-DAY.

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

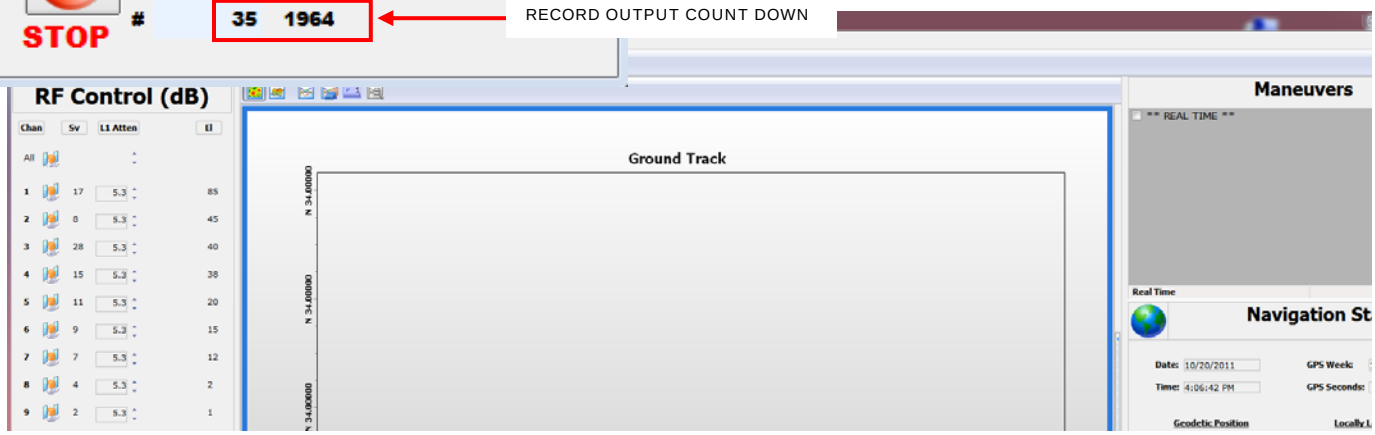






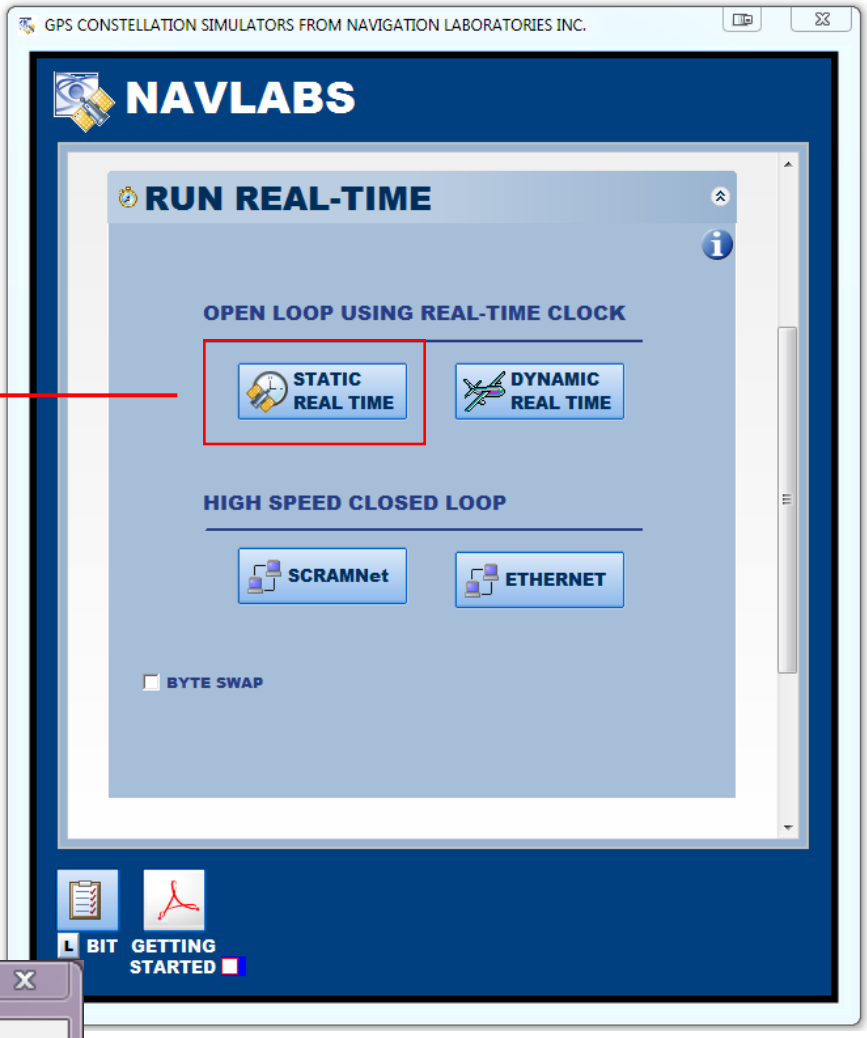
SCENARIO BEING PLAYED BACK AT REAL-TIME

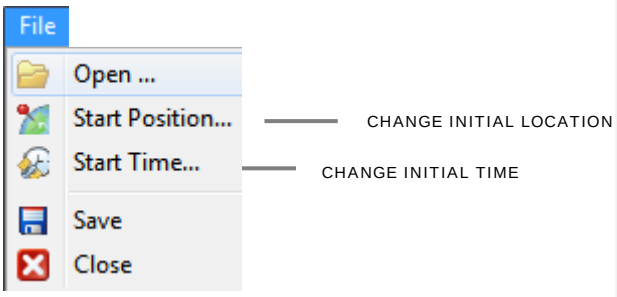
RECORD OUTPUT COUNT DOWN



STARTUP_SCENARIO CONTAINS LEGACY SUBFRAMES AND INITIAL POSITION FOR BASIC OUTPUT

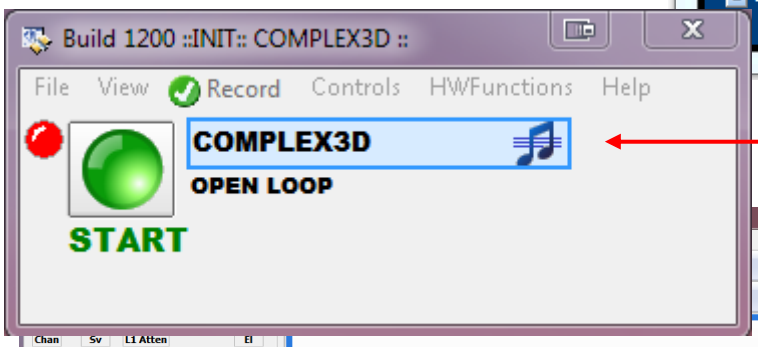
CHANGE WITH THESE CONTROLS



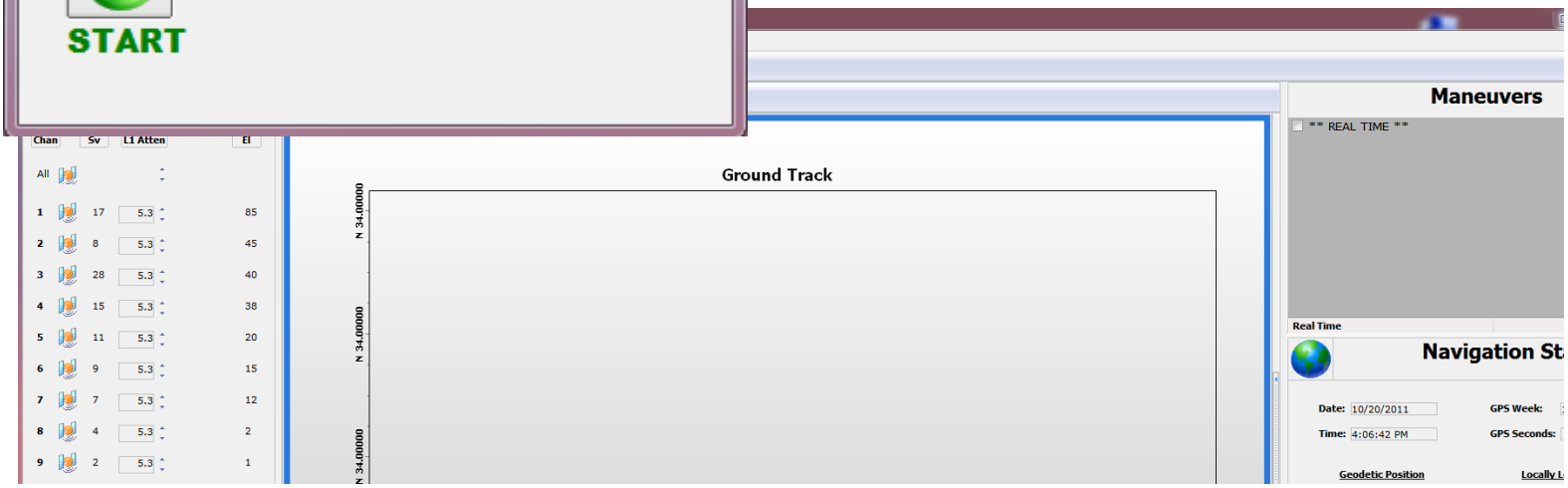


CHANGE INITIAL LOCATION

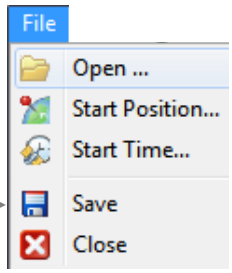
CHANGE INITIAL TIME

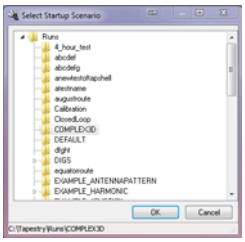


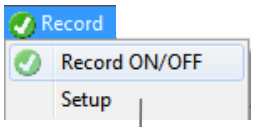
CHANGE STARTUP SCENARIO

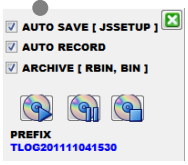


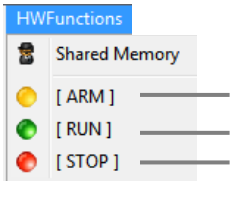
FLIGHT-STICK / MOUSE Operation in Real Time.
Import the RECORDED motion profile into BUILD SCENARIO.







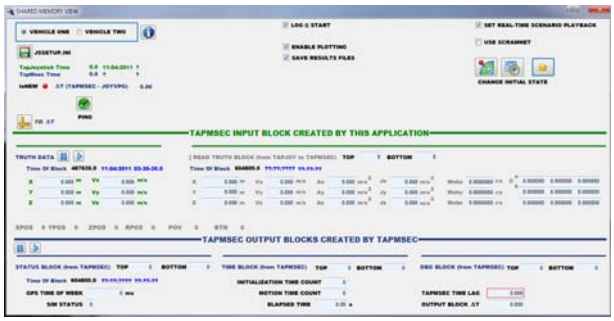




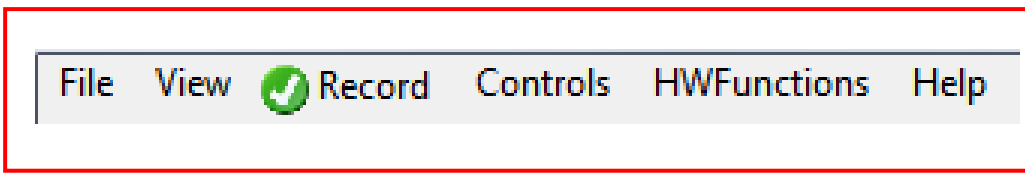
PING HARDWARE PLACE IN READY MODE
SIMENABLE = 1

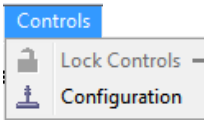
START TAPMSEC

STOP HARDWARE SIMENABLE = 2



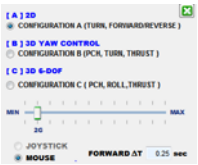
SPY SHARED MEMORY

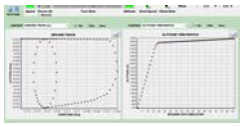




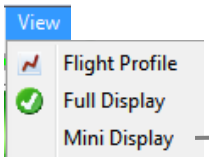
LOCK ALL GUI DYNAMICS CONTROLS AT CURRENT

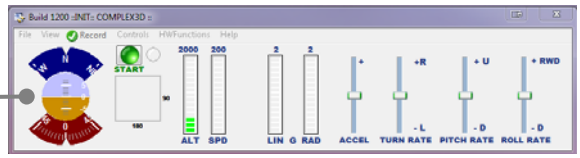
JOYSTICK LAYOUT AND SENSITIVITY SETTINGS

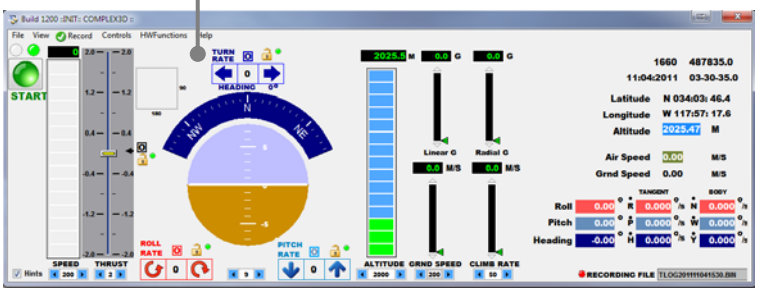




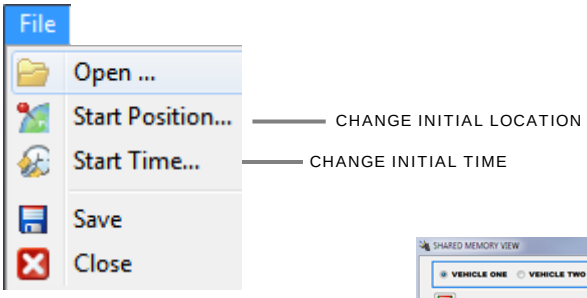
SHOW GROUND TRACK

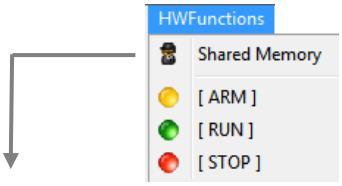






CHANGE START SCENARIO [SOURCE OF SUBFRAMES]



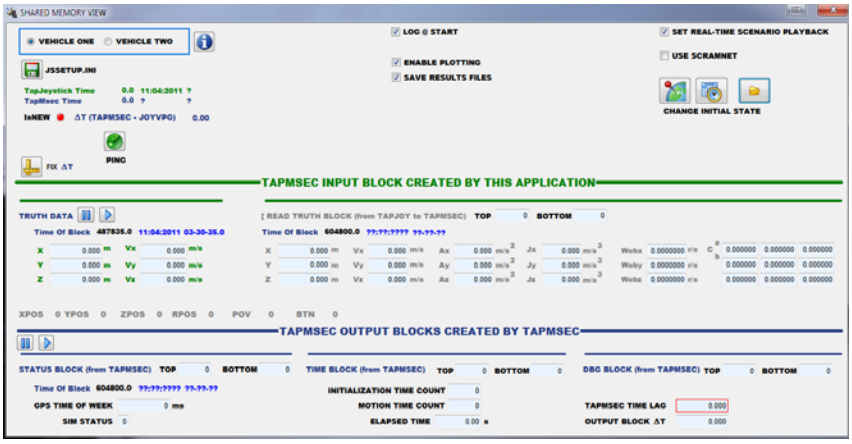


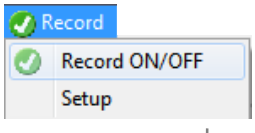
C:\TAPESTRY\TAPJOYSTICK\JSSETUP.INI

```
[DEFAULT]
TestMode                =1
AutoLogFile             =1
UseJoystick             =0
UseCurrentTime          =1
StartScenarioPath       = C:\Tapestry\Runs\COMPLEX3D
MakePlots               =1
MaxAccleration =2
MaxSpeedDisplay         =200
MaxThrustDisplay        =2
MaxAltitudeDisplay      =2000
MaxGrndSpeedDisplay     =200
MaxClimbRateDisplay     =50
MaxTurnRate    =9
JoystickConfiguration   =0
iTapMsecSleep  =3000
Units                   =0
ForwardDeltaT  =0.25
AutoSave                =1
GScale                  =0
SaveWmf                 =1
SaveResultsFiles        =1
UseScenarioFlag         =1
TrajectoriesPath        =C:\Tapestry\Trajectories
MaxGrndSpeedDisaply     =200

[STARTUP]
RunInLabMateMode        =0
```

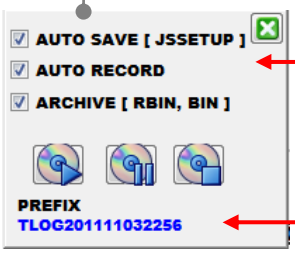
SPY SHARED MEMORY





SAVE APPLICATION SETUP AND CONFIGURATION IN C:\TAPESTRY\TAPJOYSTICK\JSSETUP.INI AT STARTUP

FOR MULTIPLE RUNS, CHECK IF RECORDED FILES ARE SAVED AND NOT OVERWRITTEN



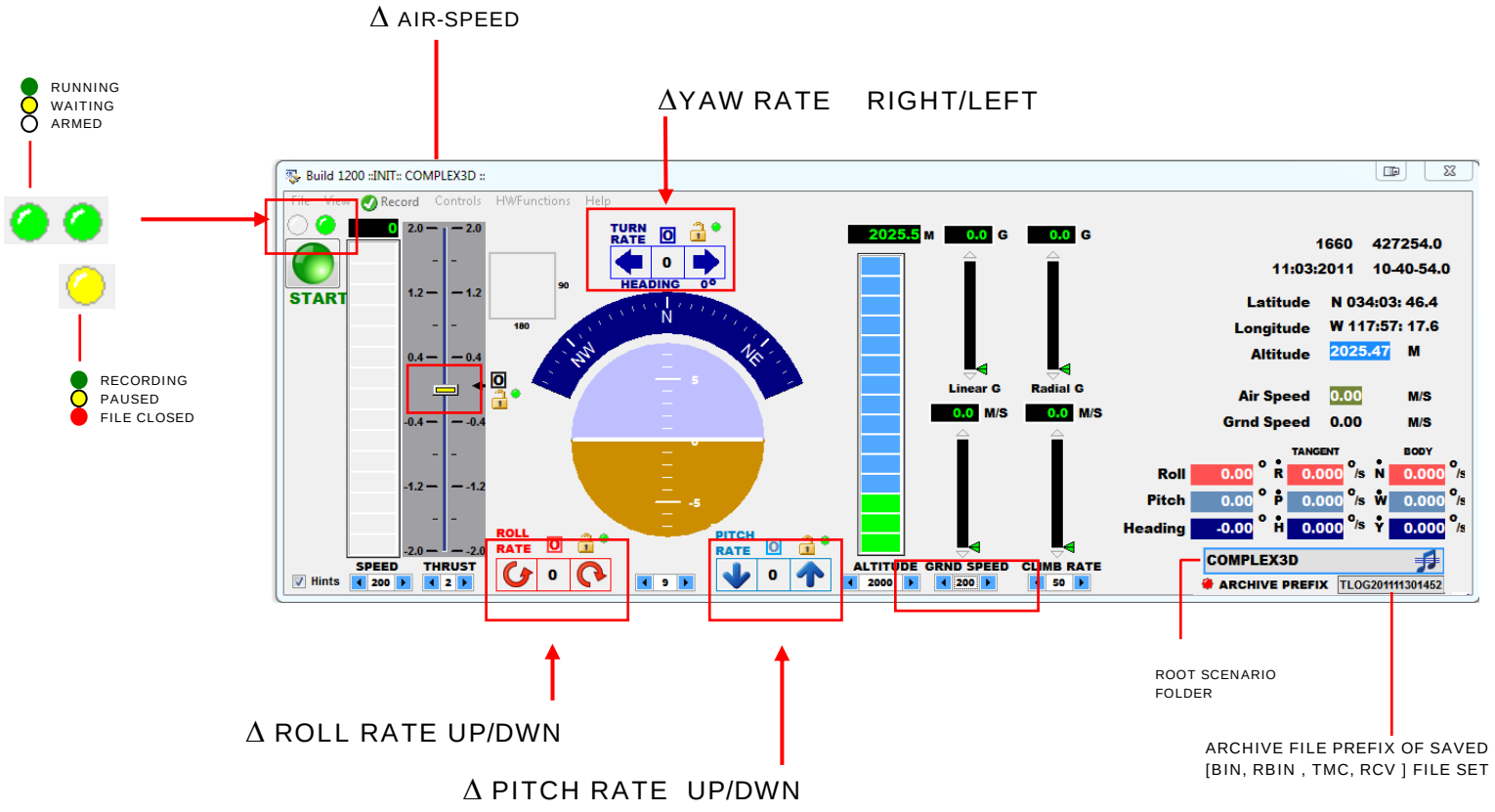
AUTOMATICALLY RECORD AT START UP.
RECORDING CAN'T BE STOPPED IF CHECKED (ONLY PAUSED)

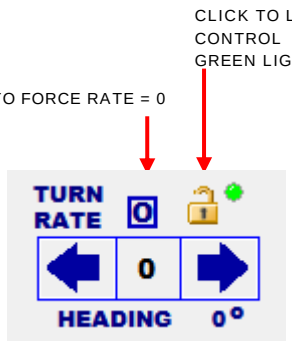
RECORDING ARCHIVE FILE PREFIX. SAVES [BIN, RBIN , TMC, RCV FILE SET] TO AVOID DATA OVERWRITING [see REFERENCE RECEIVER VIEWER]

YYYYMMDDHHMM

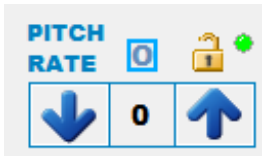
C:\TAPESTRY\RUNS\THE_START_UP_SCENARIO\TLOG20111103

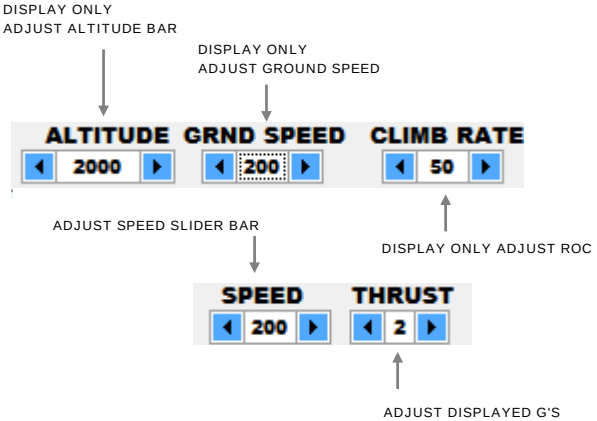
ARCHIVE NAMES	SCENARIO NAMES
.BIN	TRAJECTORY1.SCN
.RBIN	SIRF.DAT3 / ZODIAC.DAT3
.RCV	RECEIVER.DAT3
.TMC	POSVELERR.DAT3

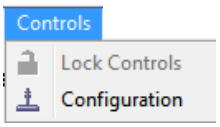

Δ AIR-SPEED
ΔYAW RATE RIGHT/LEFT
RUNNING
WAITING
ARMED
RECORDING
PAUSED
FILE CLOSED
Build 1200 ::INIT:: COMPLEX3D ::
START
TURN RATE
HEADING
ROLL RATE
PITCH RATE
SPEED
THRUST
ALTITUDE
GRND SPEED
CLIMB RATE
Linear G
Radial G
Latitude N 034:03: 46.4
Longitude W 117:57: 17.6
Altitude 2025.47 M
Air Speed 0.00 M/S
Grnd Speed 0.00 M/S
COMPLEX3D
ARCHIVE PREFIX TLOG201111301452
Δ ROLL RATE UP/DWN
Δ PITCH RATE UP/DWN
ROOT SCENARIO FOLDER
ARCHIVE FILE PREFIX OF SAVED [BIN, RBIN , TMC, RCV] FILE SET


CLICK TO LOCK /UNLOCK CONTROL GREEN LIGHT TO RED
CLICK TO FORCE RATE = 0
TURN RATE
HEADING 0°

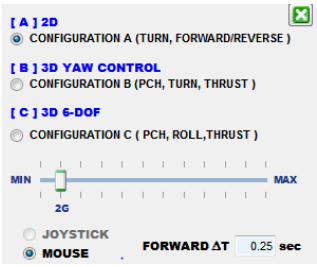

ROLL RATE
0

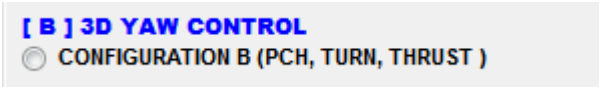

PITCH RATE
0

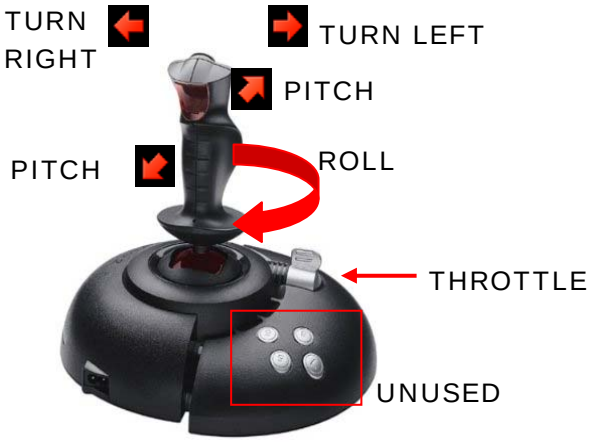

DISPLAY ONLY ADJUST ALTITUDE BAR
DISPLAY ONLY ADJUST GROUND SPEED
ALTITUDE 2000
GRND SPEED 200
CLIMB RATE 50
ADJUST SPEED SLIDER BAR
DISPLAY ONLY ADJUST ROC
SPEED 200
THRUST 2
ADJUST DISPLAYED G'S

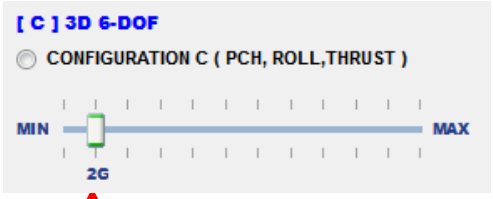


JOYSTICK LAYOUT AND SENSITIVITY

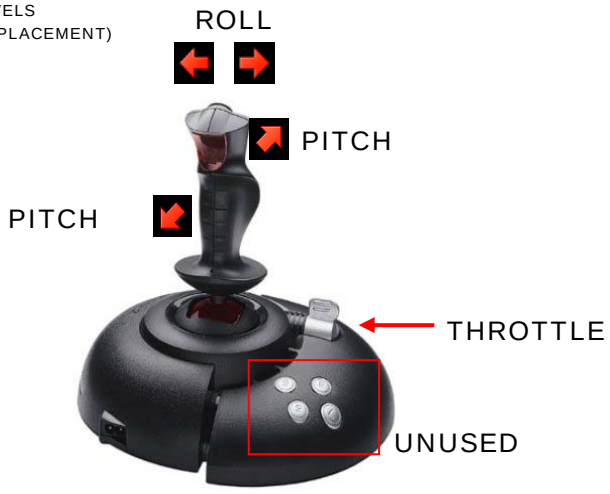






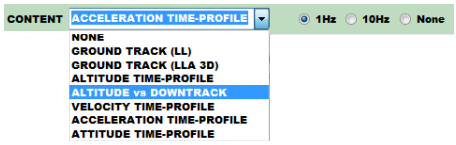


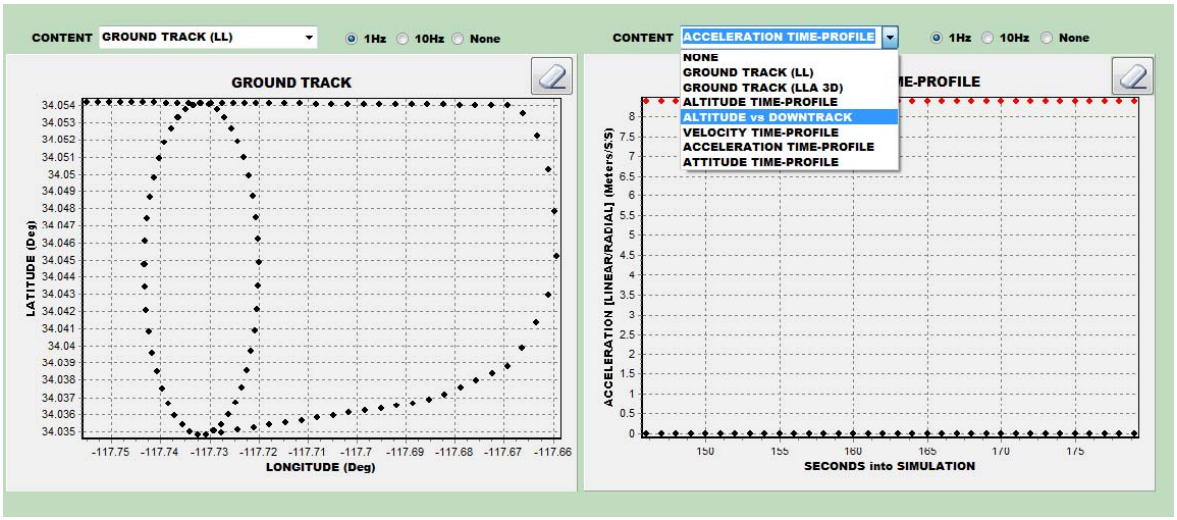
SET G LEVELS
(MAX DISPLACEMENT)



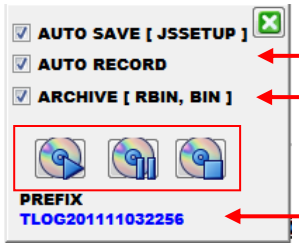
PLOTTING

Plot windows can be configured separately run-time.





DATA RECORDING



AUTOMATICALLY RECORD

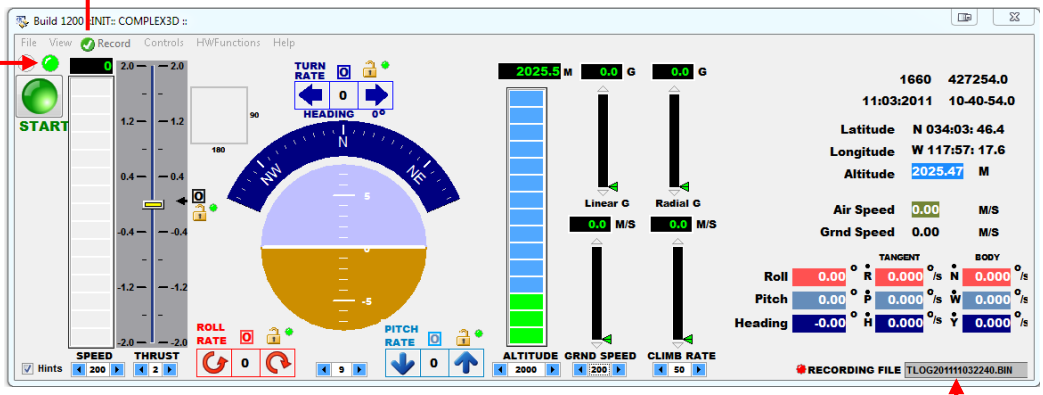
DISBALE PREFIX FILE ARCHIVING

RUN TIME RECORDING CONTROL

RECORDING ARCHIVE FILE PREFIX. SAVES [BIN, RBIN , TMC, RCV FILE SET] TO AVOID DATA OVERWRITING [see REFERENCE RECEIVER VIEWER]

DATA RECORDING
Green Active
Red Not

NOTE: CLICK TO TOGGLE ON/OFF



Data is saved in [TAPESTRY BINARY .BIN] format.