



# USING THE NAVLABS CONSTELLATION SIMULATOR

The NAVLABS-SIMULATOR-CONTROL-SOFTWARE [ "TAPESTRY" ] starts from Windows STARTUP. To start it manually, use the desktop shortcut or make a shortcut to c:\tapestry\tapshell\tapshell.exe.

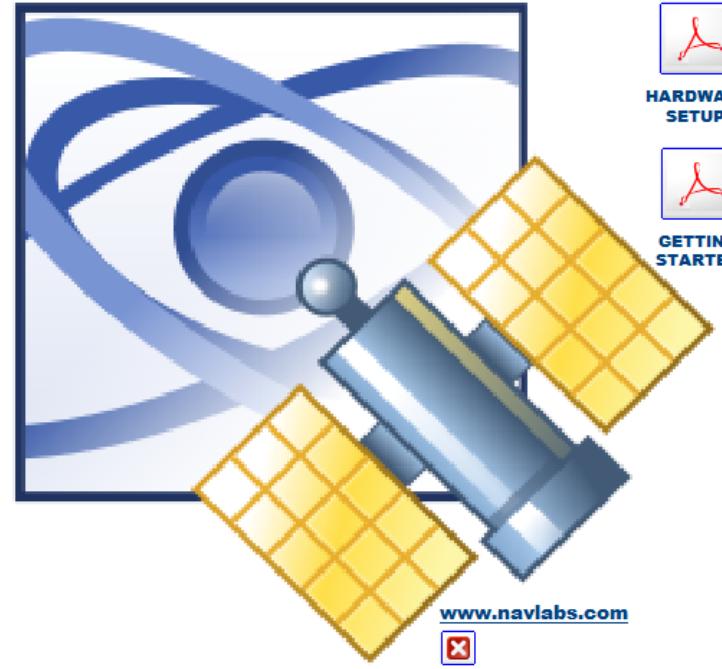
Tapestry Main Menu,



## NAVIGATION LABORATORIES



START



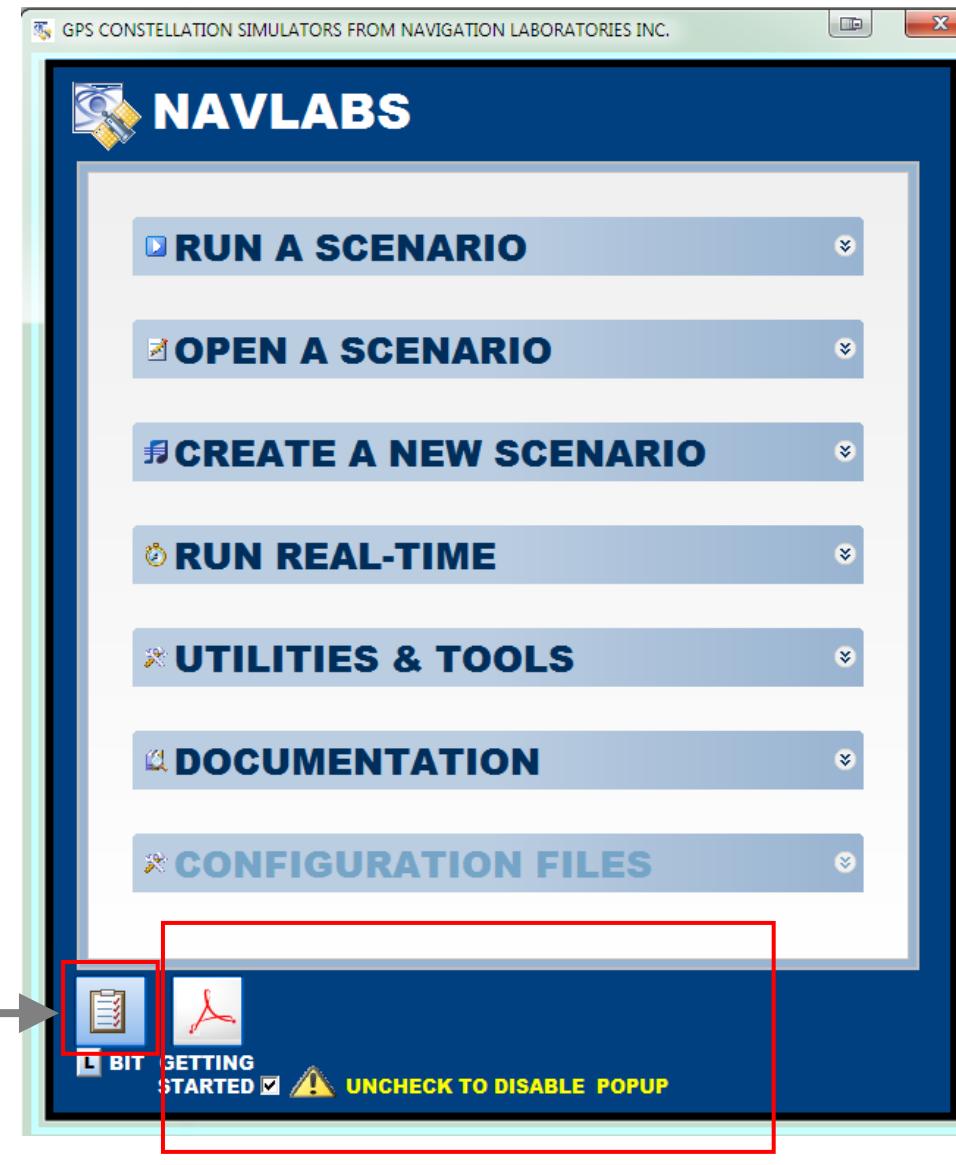
EXIT TAPESTRY. < SHORTCUT > to RESTART



# START

All the Simulator functions are SCENARIO Based.

SCENARIOS are Windows Folders. They contain the files that collectively describe each TEST CASE created.  
DEFAULT is a special Scenario that you should not modify until you have become familiar with TAPESTRY.



UNCHECK TO STOP "GETTING STARTED" POPUP

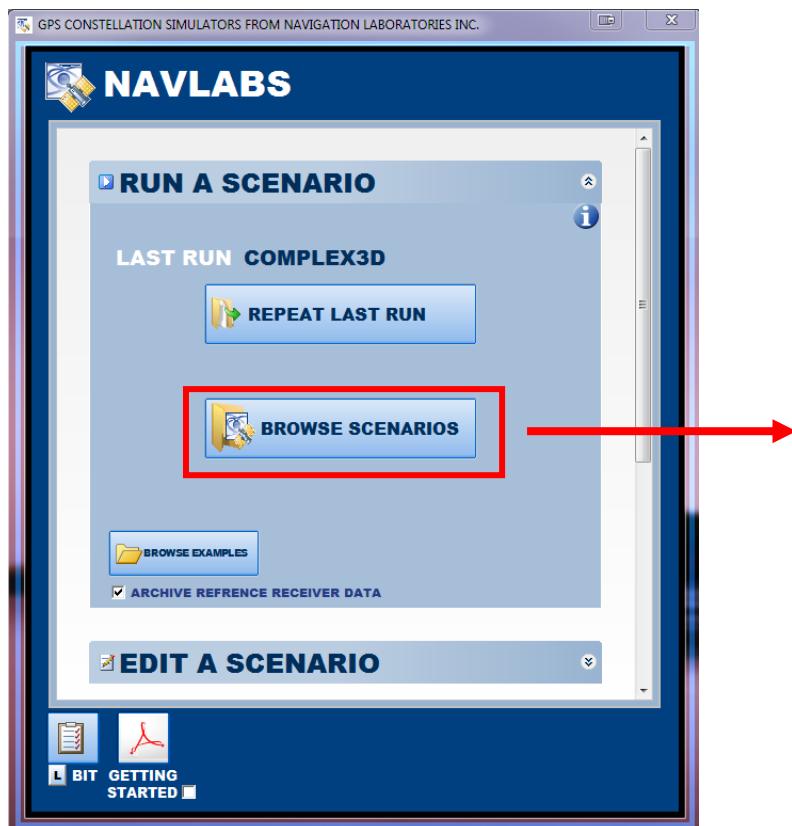


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# RUN A SCENARIO

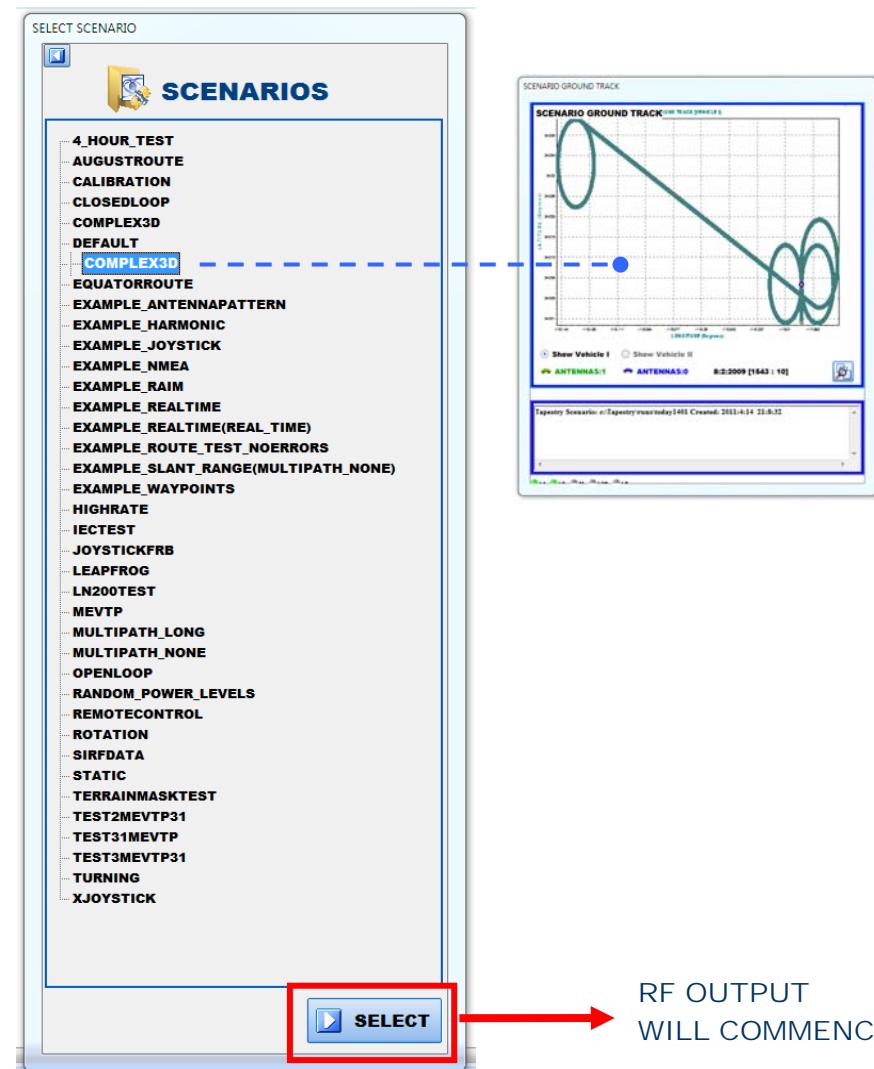
Run a Scenario to produce an RF Output.  
Belying its power, running a SCENARIO is straight forward;

Select the SCENARIO from the list  
[ e.g. COMPLEX3D ]



For details see

[USING RUN SCENARIO.PDF](#)



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# CREATE A NEW SCENARIO



CREATE new SCENARIOS peculiar to your application and selected mode of operation: closed loop, remote control, Inertial, etc.

Enter the Name of the SCENARIO.

This name becomes a folder containing the Simulation files appropriate to your test.

Follow this link to learn details of  
[\*\*CREATING A NEW SCENARIO.PDF\*\*](#)

NAME  no spaces

OPTIONAL ITEMS

USE A TEMPLATE: *erTapestryRuns:Default*

ADD TEXT TO THE SCENARIO DESCRIPTION FILE

SET THE INITIAL DATE AND TIME

SET THE INITIAL LOCATION

OPTIONAL ITEMS

ONE VEHICLE OPERATION

ONE ANTENNA    TWO ANTENNAS

TWO VEHICLE OPERATION

ONE ANTENNA    TWO ANTENNAS

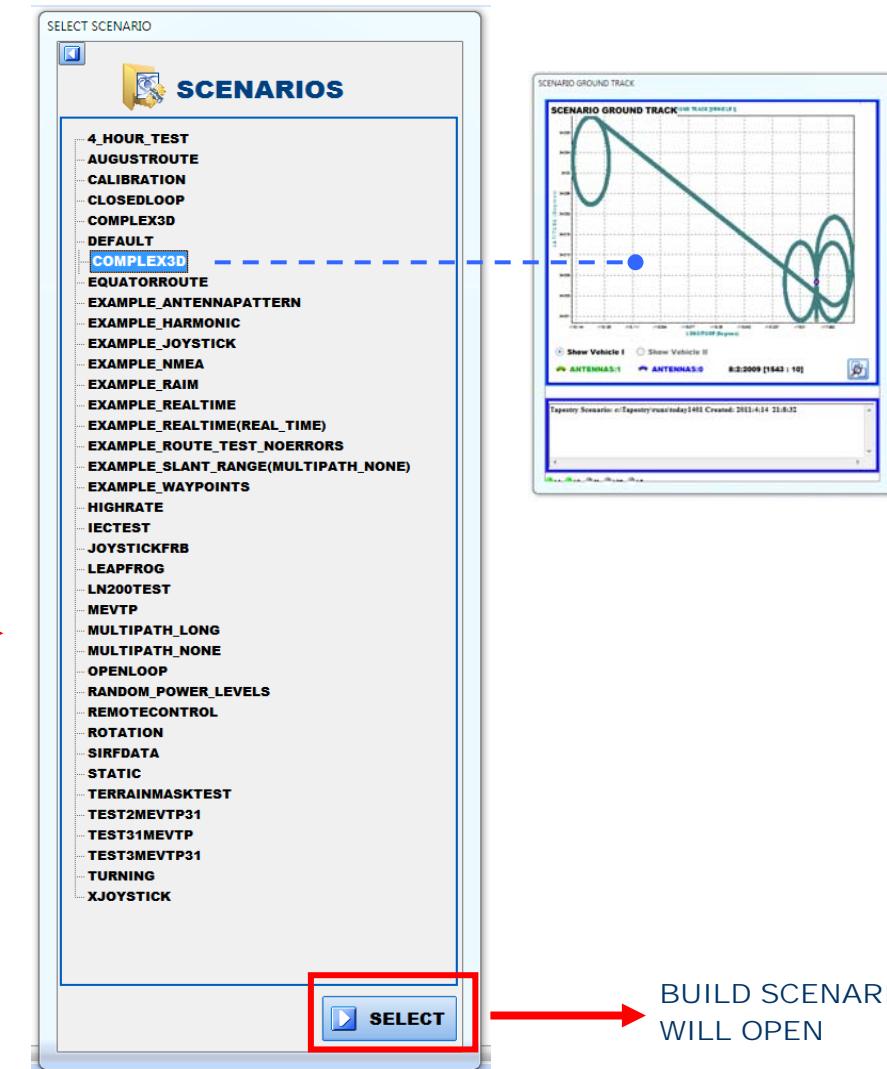
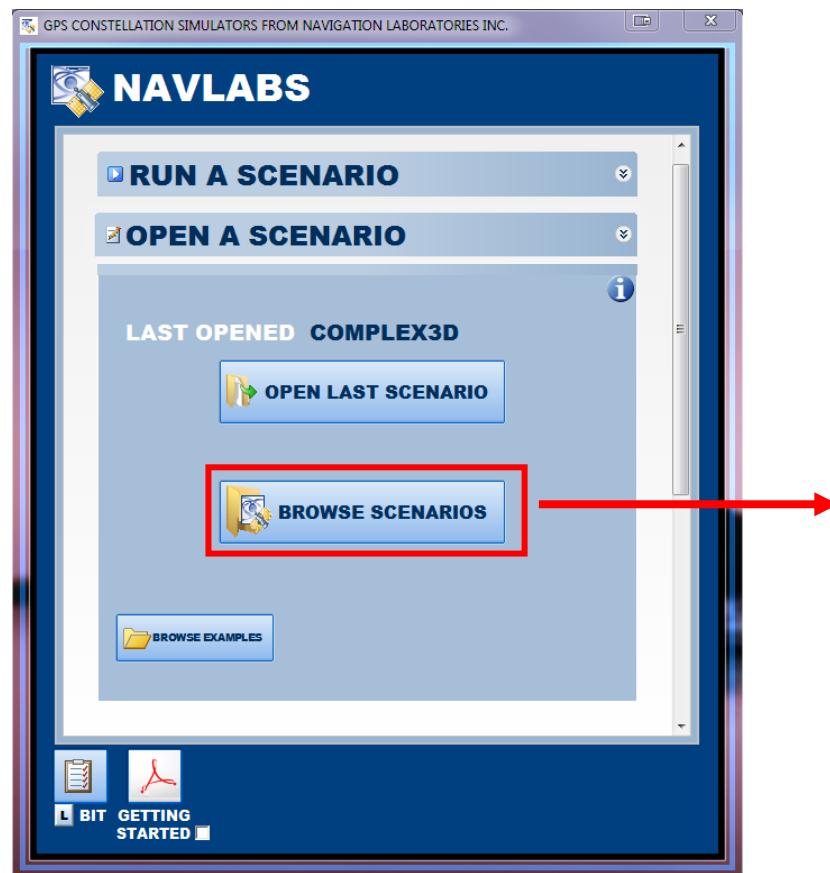
FINISHED



# EDIT A SCENARIO

EDIT a SCENARIO if and when you want to make changes.

Select the SCENARIO from the list  
[ e.g. COMPLEX3D ]



Follow this link to learn details of

[USING BUILD SCENARIO.PDF](#)



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REMOTE CONTROL RS232 / ETHERNET  
COMMAND & CONTROL  
[REMOTECONTROLINTERFACE.PDF](#)

OPEN LOOP [ INTERNAL DRIVEN ]

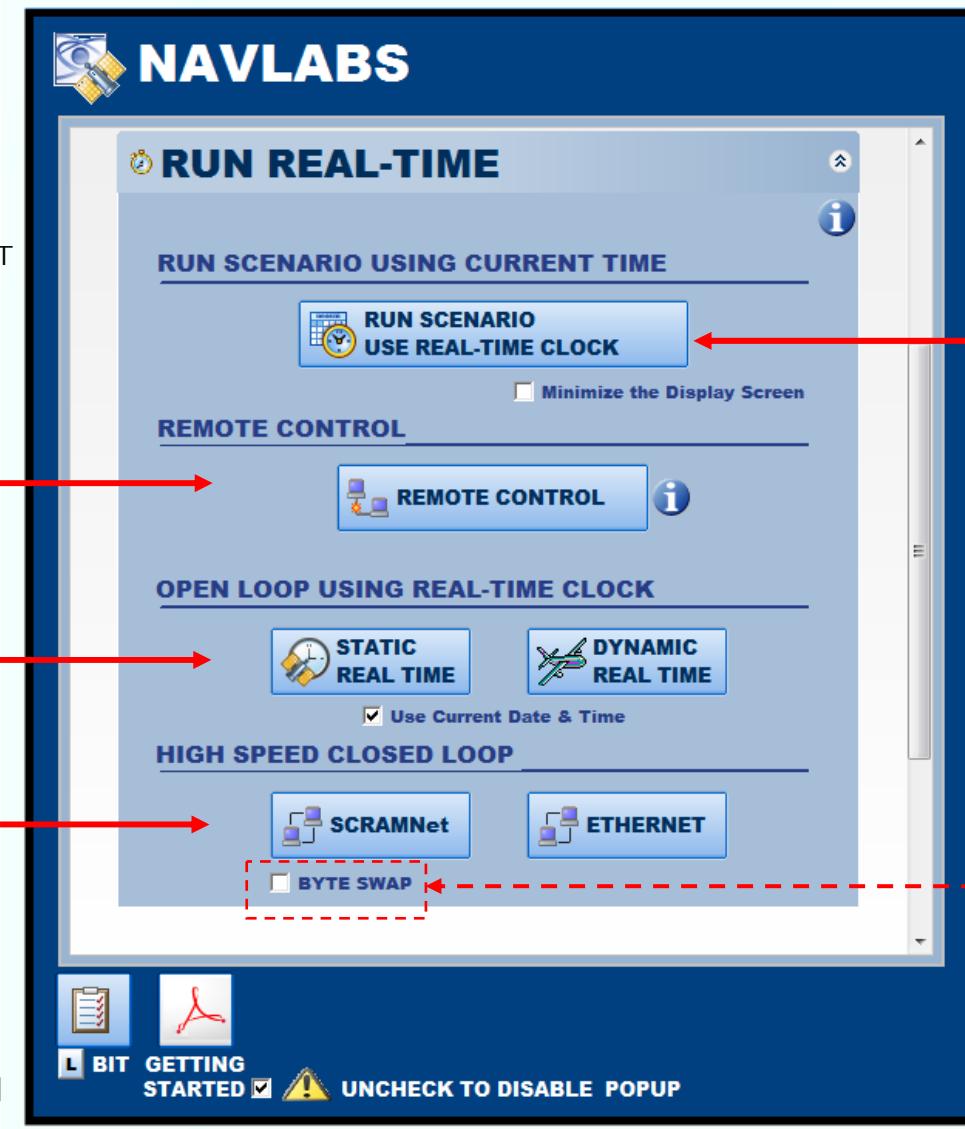
REAL-TIME [ INTERNAL ] CLOCK  
6DOF MOTION GENERATION

[USINGOPENLOOPGUI.PDF](#)

CLOSED LOOP [ EXTERNAL DRIVEN ]

REAL-TIME [ EXTERNAL ] CLOCK  
SCRAMNET VEHICLE MOTION BUSS  
ETHERNET VEHICLE MOTION BUSS

[ BYTE SWAP CHECKED IF BIGENDIAN

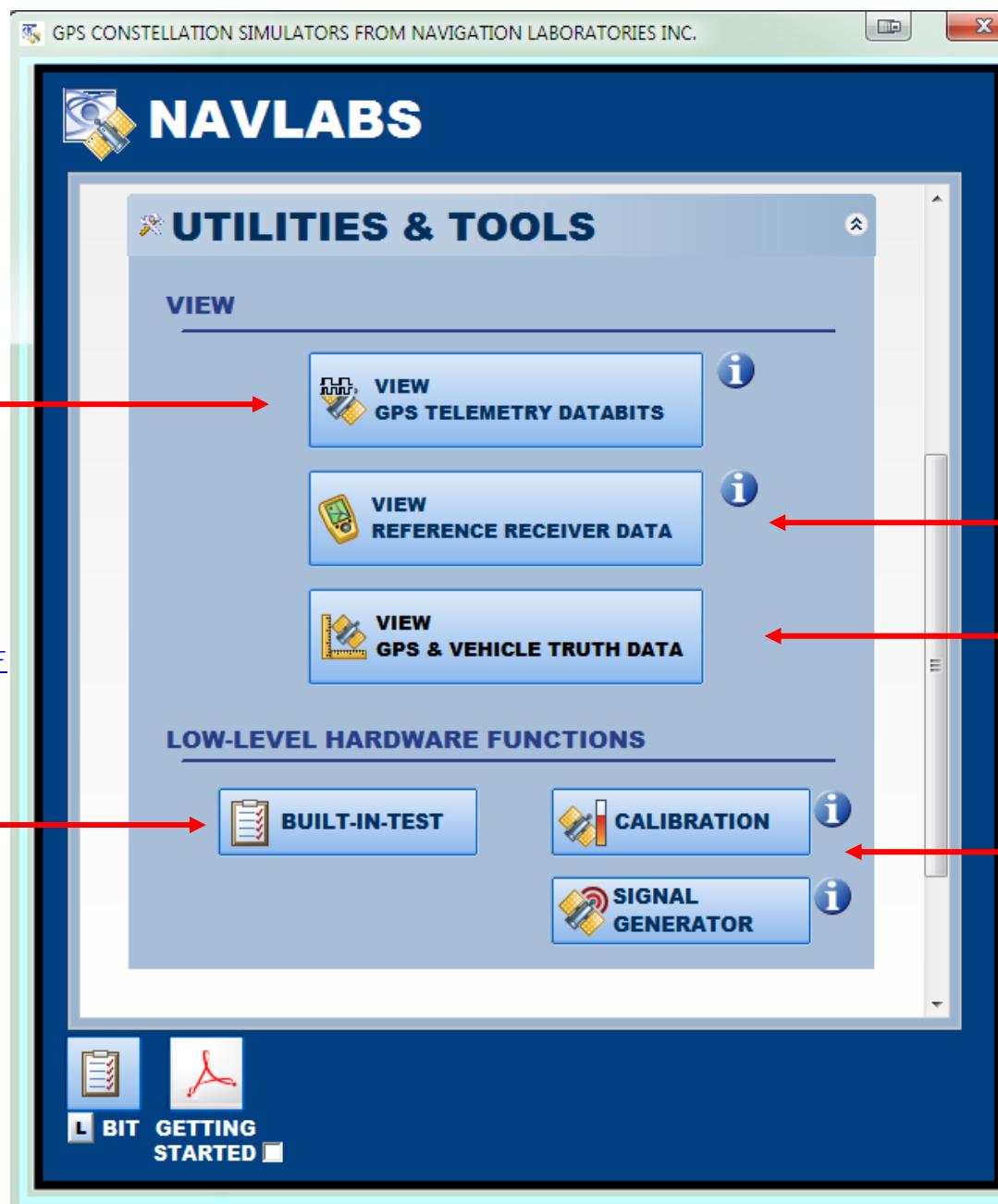


RUN A SCENARIO USING REAL-TIME CLOCK

SHARED MEMORY BYTE ALIGNMENT  
[ OPENLOOP NOT CHECKED ]  
[ BIGENDIAN CHECK ]

[CLOSEDLOOPSCRAMNET.PDF](#)  
[CLOSEDLOOPUSERSGUIDE&ICD.PDF](#)

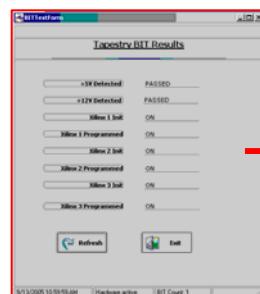
Data Viewers, Maintenance and Special Purpose Applications.



REVIEW OUTGOING  
NAVDATA BIT STREAM

[DATABITVIEWER.PDF](#)

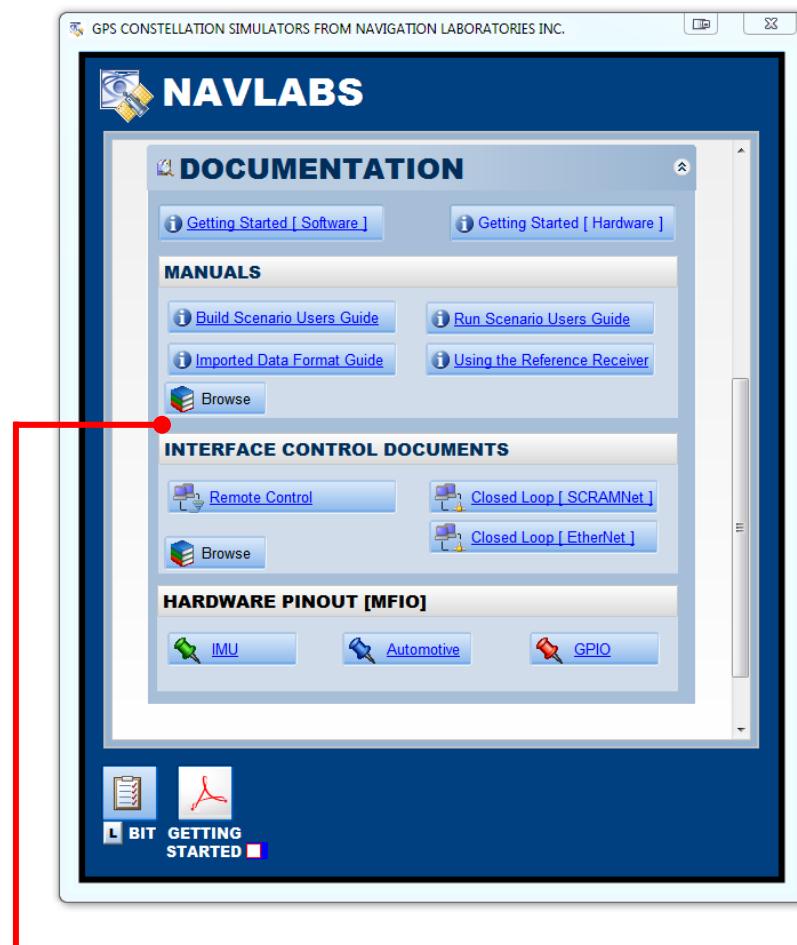
BUILT IN TEST  
[SETTINGUPHARDWARE.PDF](#)



REVIEW REFERENCE  
RECEIVER DATA  
[RESULTSVIEWER.PDF](#)

ACCESS GPS AND  
VEHICLE TRUTH DATA  
[ACCESSTRUTH.PDF](#)

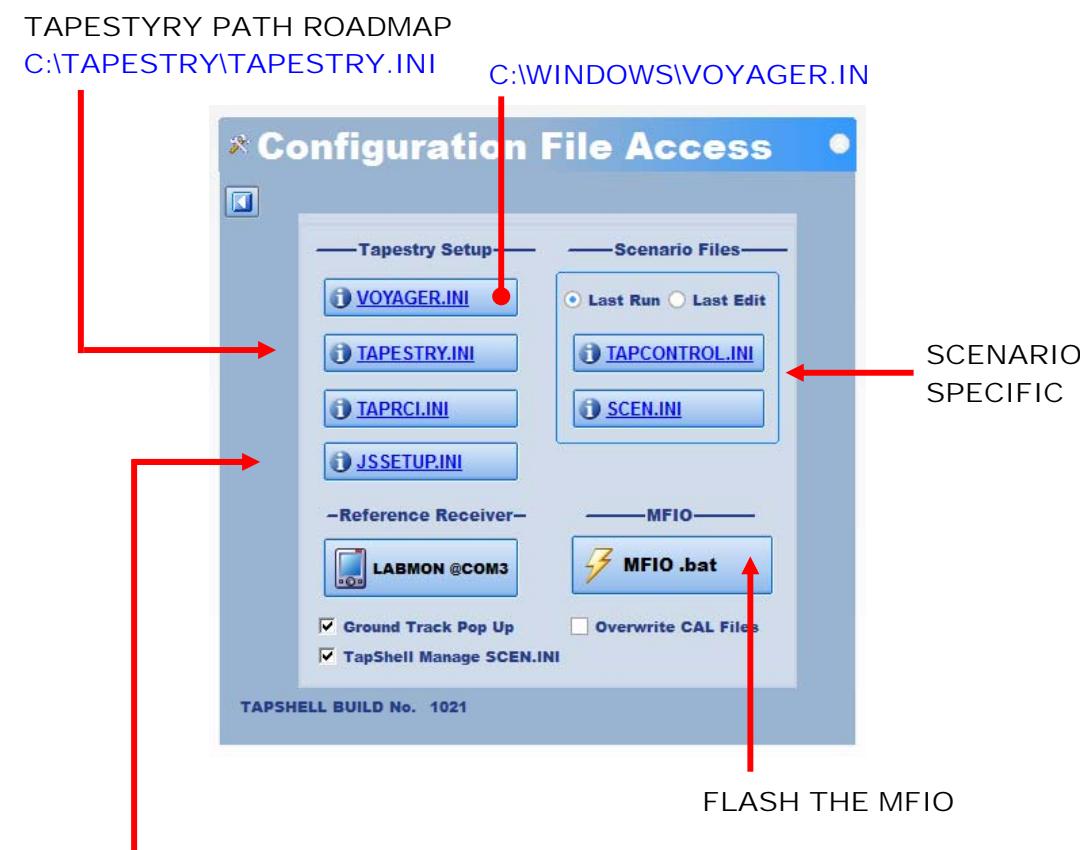
RF POWER CALIBRATION  
[CALIBRATION.PDF](#)  
[SINGLECHANNELADDEN.PDF](#)



DOCUMENTS LOCATED IN:

C:\TAPESTRY\DOCUMENTATION\MANUALS  
C:\TAPESTRY\DOCUMENTATION\ADDENDUMS

## CONFIGURATION FILES



Controls JOYSTICK startup, and other control items.  
C:\TAPESTRY\TAPJOYSTICK\JSSETUP.INI