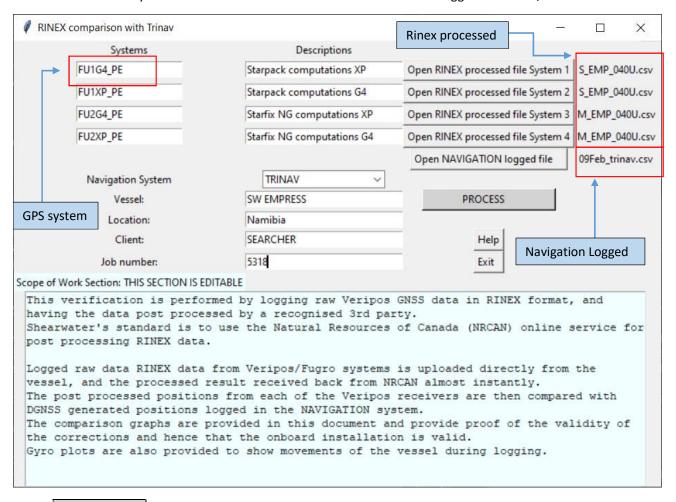


RINEX VERIFICATION - Help

This script will compare RINEX processed data and TRINAV/SPN logged data to produce difference plots for Lat and Lon, in metres.

The user selects TRINAV/SPN in Navigation System. The NAVIGATION logged file will be recorded in TRINAV/SPN. The RINEX file will be recorded in FUGRO/VERIPOS systems and will be processed before entering in this script.

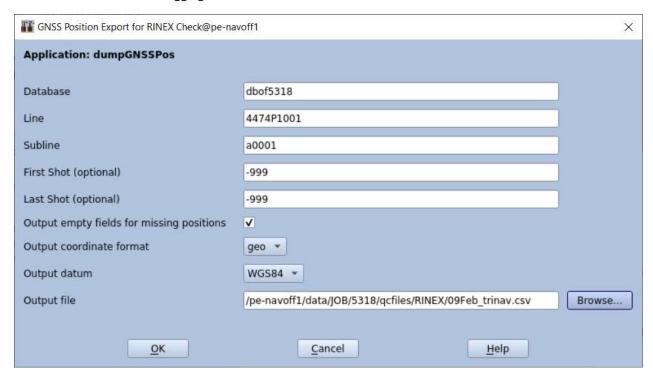
The names of the GPS systems have to match those of the headers of the file logged in TRINAV/SPN



- 1. Log RINEX data from LD-6 / Verify PC, Fugro, etc.
 - 1.1. If needed convert the data to RINEX 2.1 format from Veripos or Fugro. Follow Veripos/Fugro work instructions, using conversion software provided by them.
 - 1.2. Submit the .??O files to https://webapp.geod.nrcan.gc.ca/geod/tools-outils/ppp.php?locale=en
 - 1.2.1. log in or make an account if you do not have one.
 - 1.2.2. Navigate to the "Geodetic tools and data" page, then to the CSRS-PPP page.
 - 1.2.3. Select "Kinematic" and "ITRF".
 - 1.2.4. Load your RINEX files as instructed.
 - 1.2.5. Await email with results and download.
 - 1.3. Use the .csv files processed by Canadian PPP site as input to the RINEX Comparison program

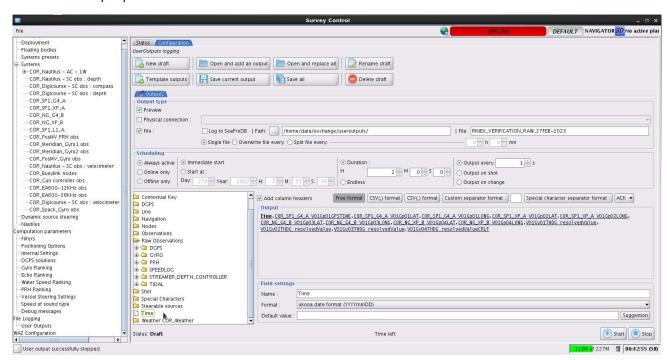
2. Log TRINAV

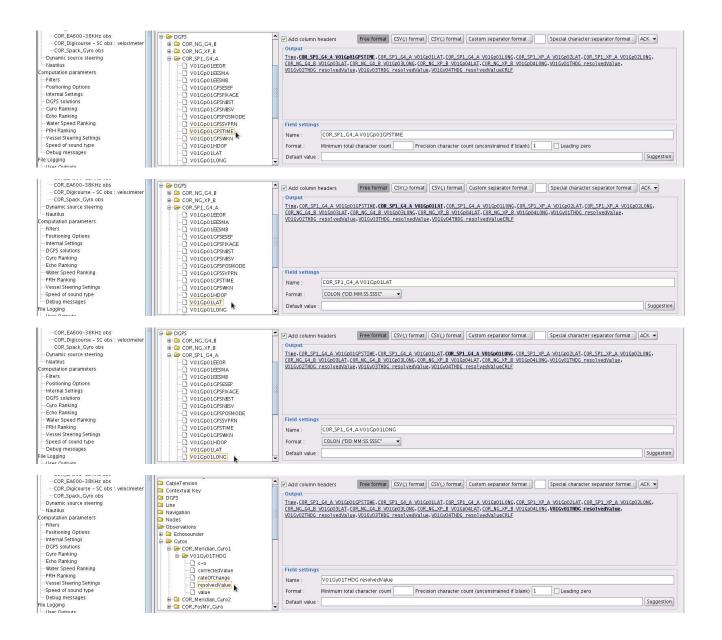
- 2.1 Please ensure that the data set does not cross over midnight.
- 2.2 line in RT while logging the RINEX data. From QCPR:



3. Log SPN

- 3.1 Please ensure that the data set does not cross over midnight.
- 3.2 If Using SPN, log as follows:
- All antenna offsets need to be set to be zero in both the SPN and the GNSS configurations. In SPN Survey
 Control create a user output as shown in the screen shots below.
- SPN outputs GPS time from the Raw DGPS Observations. The GPS time field is "Seconds of Week" with the week being the "GPS Week mod 1024".
- The duration has been set to 2 hours logging time at 1s output rate to match the logging of the GNSS RINEX files.
- The output positions must be RAW.





- 4. Check/Modify Comments: Scope of Work section. This is output to the report. The default comments can be modified.
- 5. Check Results: PDF report with time tag suffix is produced on the same directory where the .exe file is located

-----Bugs, suggestions, testing datasets, etc, please submit feedback or a ticket referencing SWConnect Content-7291937 - RINEX Verification ------