GPS Test

Power up all components of the AVAPS rack. Wait for 15 min before testing the AVAPS reference GPS receiver since it may take up to 12 minutes to receive proper UTC time after satellite signal lock has been acquired.

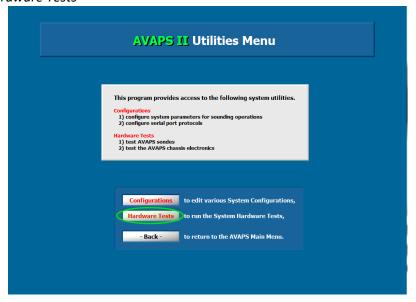
Note: The AVAPS computer clock may be synchronized to UTC manually. The deviation from UTC should not be larger than 1 second. Deviations larger than 3 seconds may already lead to data loss.

The following steps verify that the GPS is working properly.

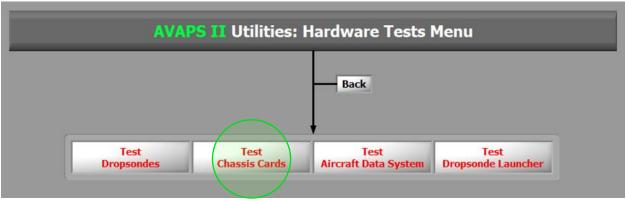
Step 1: Select Utilities



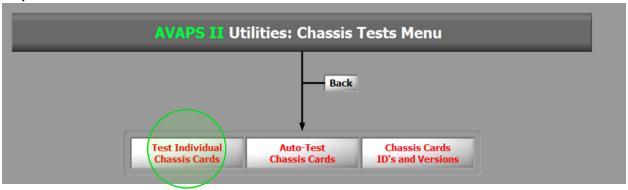
Step 2: Select Hardware Tests



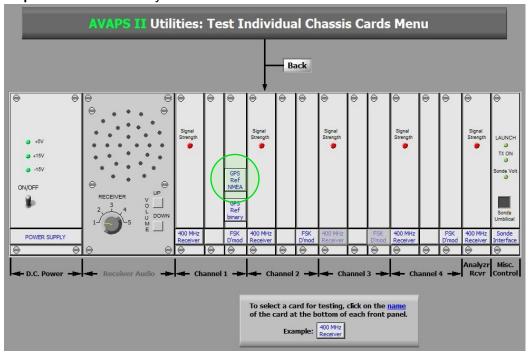
Step 3: Select *Test Chassis Cards*



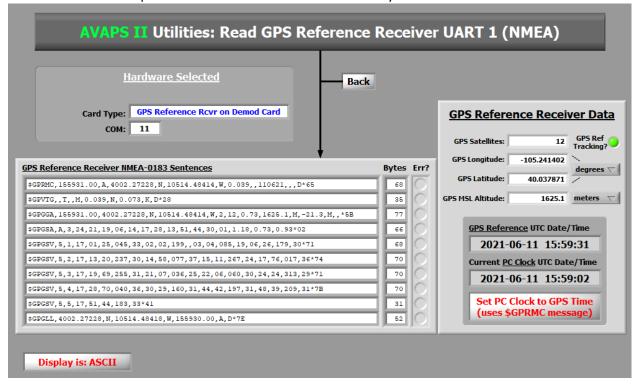
Step 4: Select *Test Individual Chassis Cards*



Step 5: Select the GPS Ref NMEA card

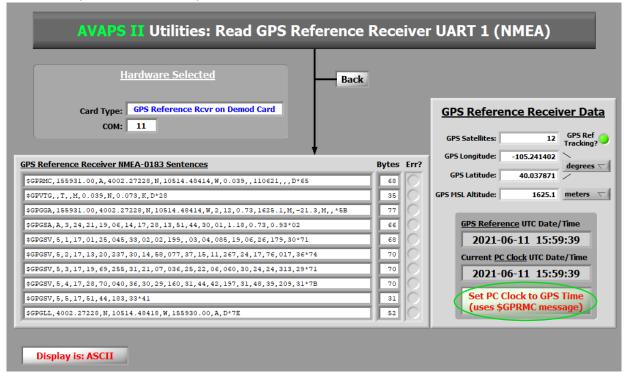


Note that in this example the GPS time and PC clock are not in sync.



Step 6: Select Set PC Clock to GPS Time (uses \$GPRMC message)

This should synchronize the computer time to the reference GPS:



If the PC clock does not update to agree with the GPS time, then the system may not be properly configured to allow AVAPS to update the system clock. Check that AVAPS has permissions to update the PC clock or set the PC clock manually.

Step 7: Select the Back button to return to the Start Menu