8. Special Commands

In the standard or advance receiver control windows, you can enter many different commands directly to the receiver by way of the 'Send' button. The command sent and its response can be viewed in the 'Status' window. Here are some useful commands:

'STAT' returns a report of most of the current settings. This is the same command that SeaSondeController uses as a periodic status check and the 'Refresh' button in the control windows.
'POKE s' where **s** is seconds sets the receiver watchdog timeout. If the receiver does not receive a 'STAT' command within this time, it will cycle power to the computer AC outlet and restart the Receiver. If **s** is 0 (zero) then the watchdog is disabled. If you change this value and then 'Store' button, the setting will be permanently set in the receiver.
'VER' returns the firmware version of the controller.
'LOAD 1' loads the receiver stored power up settings. There are 6 more possible sets from LOAD 2' to LOAD 7'.
'SAVE n' permanently saves the receiver settings into **n** 1 through 7 sets. Set 1 is always the power on selection. 'SAVE 1' is what the "Store" button does after verifying that some settings are OK. The saved settings are stored in the Receiver's AWG Module using non-volatile memory, which is retained even when the receiver is unpowered.
'DEFAULT' sets the receiver or transponder to its default state. Frequency, Bandwidth, and other important setting will have to be set again after issuing this command.

The following commands work only on receivers equipped with an AWGIII control module. These are receivers shipped after Jan 2001.

'RPT' returns all possible reports.
'PRPT' returns a power supply report for the receiver and the transmitter report.
'XRPT' returns a transmitter report about its power supplies and measured power. (Requires a transmitter shipped after Jun 2001.
'HRPT' return installed hardware and firmware information.
'WRPT' returns more accurate temperature of the receiver (+/- 0.5°C) plus humidity.
'GRPT' returns GPS status and information on receiver equipped with a GPS.
'GMON s' where **s** is seconds, set the interval to check whether GPS Timing needs to be re-aligned to the 1 second GPS clock signal. A 0 (zero) turns off this feature.
'GS' performs an immediate GPS Timing alignment to the 1 second GPS PPS clock.
'MRESET' performs a hardware reset on the receiver. SeaSondeController will lose connection to the receiver and rediscover the receiver after 30 seconds.