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RELEASE NOTES

DAARC500 (Gen-2)

DAS & Adaptive Aeromagnetic Real-Time Compensator

Host Firmware Release RMS11030-02-B

These release notes contain important information about the new firmware and how it will affect the performance of instruments in which it is installed. The notes outline functional enhancements, adaptive changes and, if applicable, problem corrections.

Please read this documentation carefully. References to pertinent sections in the product's user's guide are shown in square brackets.

Compatibility:

(D)AARC500 Front End –   Requires firmware RMS1877-04-A or later

1. The firmware supports a new Front End transfer function, 'Custom2', which the user may customize to the requirements of a specific airborne installation.

   [User's Guide: Sections 3.4.1.1c and 4.3]

2. The firmware supports the new gating signal for qualification of magnetometer readings, implemented through the Front End. This functionality is intended for use of the DAARC500 in installations running EM systems concurrently with the magnetics.

   [User's Guide: Sections 4.3.2 and 2.3.12]

3. Re-structuring for more efficient execution in configurations with more than 4 total-field sensors.

4. Additional information is now recorded in the '`monasc.txt`' logging file to provide more comprehensive records of each mission.

5. Extended the range of baud rates supported on general-purpose serial I/O ports, to accommodate "older" devices still in use which operate at low bit-rates (1200, 2400 and 4800 bps).