



RELEASE NOTES

AARC510 Adaptive Aeromagnetic Real-Time Compensator

Host Firmware Release RMS11031-02-A

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. Post-flight compensation option now supported.

The new firmware includes a built-in function for post-flight compensation (PFC) of standard 'd-files' recorded by the system. It is available only when the Advanced Functions Option is in place, and must be purchased separately. Licensing is handled through a *PFC-password* file unique to each system.

Please contact RMS Instruments if you wish to activate this function.

[User's Guide: Section 3.9]

2. Enhancements to the structure of the file used to store general operating parameters. The system automatically (and transparently to the user) handles conversion to the new file format.

Configuration files are critical to the correct operation of the system. A checksum mechanism is now included to ensure the integrity of the files is not compromised.

Comprehensive status and warning messages have also been added, to inform the user of any special conditions identified with configuration files during the system initialization stages.

[User's Guide: Appendix K, Section 3.4]

3. The system now automatically disables OBE compensation while in calibration and adaptive modes (regardless of enabled/disabled settings). In the past, the user had to ensure the settings were disabled.

[User's Guide: Appendix J.1]

4. In order to further simplify the system when operating at the basic (non-password-protected) access level '0', the function to display solution terms now requires a minimum access level of '1'.
5. Minor cosmetic changes in the user interface.