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## RELEASE NOTES

### **AARC500 Adaptive Aeromagnetic Real-Time Compensator**

### **Host Firmware Release RMS1878-02-C**

*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 include information about enhancements, adaptive changes, and corrections to known problems. Please read this documentation carefully.*

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*Compatibility:*

*(D)AARC500 Front End – Requires firmware RMS1877-02-A or later*

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1. The configuration parameters for traces on the chart recorder are now independent of the parameters to set up the graphic display. In the past, the first 4 traces on the chart recorder were tied to the four traces shown on the graphic display.

Chart recorder setup parameters are stored together with other configuration data in `ipar.dat`, while parameters for the graphic display continue to be stored in `.y` files (now shorter than in the past, and referred to as *GDC files*, instead of *GDCR files*).

On the first run of the new firmware, and "old" style `ipar.dat` will be recognized and used to initialize a new version of the file. This will be transparent to the user. The firmware can also read and handle correctly "old" style `.y` files.

2. Problem corrected – The selection of signals for display on the screen or the chart recorder, would incorrectly allow the index to go up to 119 for the former, and up to 103 for the latter. The maximum value for the index should be 87 in both cases. For indexes above the maximum, the selection would just wrap-around to start from index '0'.