

Addendum to WOCEMET 97-22

Charles Darwin Multimet AWS Data Quality Control Report

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This addendum outlines changes made to the R/V *Charles Darwin* meteorological data described in WOCEMET 97-22. The changes include correction of the shortwave radiation data and modification of the cruise identification codes (ctc, EXPOCODE, and facility). The corrected data files (*v112.nc or *v112.asc) have been posted to our ftp site and web pages.

Radiation Correction:

Initial evaluation by WOCEMET's Data Quality Evaluator (DQE) revealed that the shortwave radiation (RAD2) had magnitudes that were only 50% of their expected value. When WOCEMET 97-22 was published, the DQE was unaware of any cause for these low radiation values and flagged all the shortwave radiation data as suspect. In early December we were notified by Dr. P. K. Taylor of the Southampton Oceanography Center that a different sensor amplifier was used on the Multimet system during these 1991 cruises. As a result the reported shortwave radiation data were exactly 50% too small. This error was easily corrected by multiplying all reported shortwave radiation data by 2.0 and changing all the cautionary flags (K) to flags indicating that the value passed evaluation (Z) . A realistic range test was applied to the corrected RAD2 data to ensure that the new values fall between 0 and 1400 Wm⁻². If this test failed, a bounds (B) flag was applied.

Cruise Identification:

In early December we also received information that the cruise identified as the AR_12_/03 line in WOCEMET 97-22 was not an official WOCE cruise. The data were collected for calibration/validation of ERS-1. Therefore, this cruise has been re-labeled with the new cruise track code (ctc) "ERS-1 c/v". Other changes were made to the global file attributes facility and EXPOCODE to clearly identify this ERS-1 cruise. The ERS-1 cal/val cruise data are of very high quality so they remain on-line for our data users; however, we plan to move or link this cruise to a new archive of "other high-resolution, quality-controlled meteorology data".

The cruise labeled in WOCEMET 97-22 as AR_07E/03 actually covered both the AR07E and AR12 WOCE lines (based upon WHPO records). For simplicity on our part, the ctc will remain AR_07E/03 within the data files for this cruise, and the data will be cross-referenced with the AR_12_/03 line in our archive.

NOTE: WHEN READING ORIGINAL REPORT 97-22 ALL REFERENCES TO AR_12_/03 REFER TO THE ERS-1 c/v CRUISE.

NOTE: If you have downloaded either of these *Charles Darwin* cruises prior to 15 December 1998 please return to our ftp or web sites and download the *v112 files. Please direct any questions concerning these updates to wocemet@coaps.fsu.edu.