

In May 2005, the RVSMDC discovered 2 problems with the data collected by the *Ronald Brown* for some cruises during 2002 – 2004 after all quality control had been completed. Both problems were the result of errors during conversion to netCDF at the RVSMDC. The problems were in the speed conversions and missing values. There were cruises in which only one of the problems took place and others in which both took place. Both problems have been fixed and corrected v201 netCDF and ASCII files are now available. If you have downloaded or used the old versions, you will want to reprocess the data using the version 201 files. Note: If there is no version 201 for the period in which you had downloaded data, the data you have are unaffected by the problems. A description of each of the problems follows as well as a complete listing of the data that were affected.

#### Speed Conversion:

Some speed data were reported in meters per second in the original data files and were incorrectly adjusted as if they were originally received in knots. All speed data placed into the netCDF files are supposed to be in meters per second. On several cruises, the platform-relative wind speed data from the IMET anemometer was provided in meters per second and was incorrectly multiplied by the scale factor to convert knots to meters per second. This resulted in erroneous data that was roughly half of the value in meters per second. These data were rescaled and correct values were put in the v201 netCDF and ASCII files.

#### Missing Values:

The missing value problem is related to the speed conversion problem in that the missing value (-9999) was incorrectly multiplied by the scale factor used in converting knots to meters per second resulting in missing values of -514.6 in the public files. This error only occurred in speed variables and the missing values have been restored to -9999 in the v201 files.

Dates of *Ronald Brown* data for which corrected files are available.

<b>Cruise</b>	<b>Dates</b>	<b>Speed Conversion</b>	<b>Missing Values</b>
<i>2002</i>			
RB-02-07	8/27 – 9/15		X
RB-02-09	10/11 – 11/6		X
<i>2003</i>			
rb-03-01	2/4 – 2/15		X
rb-03-02	2/19 – 3/7		X
rb-03~2	3/22 – 3/28	X	X
rb-03-04A	6/4 – 6/14	X	X
rb-03-04B	6/19 – 7/10	X	X
rb-3-04C	7/15 – 8/10	X	X
rb-03-05	8/28 – 9/4	X	X

rb-03-06_bio	9/9 – 9/19	X	
rb-03-07_deep sea	9/21 – 10/3	X	
rb-03-08_U 166	10/5 – 10/11	X	
fsu_tran_Penscla_Panama	10/17 – 10/18	X	
rb-03-09_tao	10/27 – 11/21	X	
<i>2004</i>			
rb-04-01	2/12 – 2/25	X	
rb-04-02	3/1 – 3/26	X	
rb-04-03	3/29 – 4/13	X	
rb-04-04	5/9 – 5/24	X	