README for Surface Meteorological Data obtained from R/V Baruna Jaya - III (as of Sept 11, 2012)

Automated Weather Station (AWS; Meitec Co. Ltd., Meteo Note FM-100A) was operated and surface meteorological parameters are recorded every 10 minutes (averaged from 1 minute value, and the time stamp at the end of average) during the cruise in the international waters. AWS was set at the front deck port side (about 6m above MSL) and its data processing unit was located in the nearest room. Since the current AWS is designed to use on land (namely no correction for moving platform), surface wind data is converted from relative wind to true wind by using ship's navigation system data.

BJ3_SMET.dat contains the following parameters in (1x,i12,f9.4,2f9.3,8f8.1)

Time in UTC (YYYYMMDDHHmm)	ex.	201112050600
Time un Julidan Day		339.2500
Longitude in degree Eeast		99.853
Latitude in degree North		-6.380
Pressure in hPa		1008.0
Air Temperature in degree C		28.3
Relative Humidity (%)		75.1
Wind speed in m/sec		3.1
Wind direction in degree		26.3
Zonal wind component in m/sec		-1.4
Meridional wind component in m/sec		-2.7
Rainfall amount (mm) in the past 10 min		0.0

Remarks.
*1 Note that any sea level adjustment was not performed.
*2 Data set released on May 21, 2012 contained wrong time stamp at every 0100, 0400,
   0700, 1000, 1300, 1600, 1900, and 2200 (=HHmm).
   Thus, those stamps have been corrected and available since this version.
   (ex. Wrong: 0650 -> 0600 -> 0710, Corrected: 0650 -> 0700 -> 0710)

As to the sea surface temperature (SST), water was sampled every 3 hours by a bucket (Rigo Co. Ltd., No. 5002) and SST was measured by a thermometer (Sansyo Co. Ltd., accuracy +/- 0.2 degC).

BJ3_SST.dat contains SST data as follows.

YYYYMMDDHH	J-day	lat	lon	SST(degC)
2011120506	339.250	06-23S	99-51E	29.1
2011120509	339.375	06-24S	99-30E	29.2

For more information, please contact to Kunio Yoneyama (yoneyamak @ jamstec.go.jp).