

GLOBAL OBSERVING SYSTEM (GOS)

software offered to WMO Members for exchange

Notified to WMO / Updated	WMO Member	Brief description of software available for exchange Website/Contact
02/06/2009	Italy	<p>SWS v1.0: The package enables to operate both automatically and manually a 'standard weather station' (SWS) assembled making use of COTS HW for PC/server, sensors, UPS, GPS clock and TDC as necessary. The package is based on the following 3 main modules controlled by a Supervisor program: INGEST -to gather, process and archive atmospheric variables coming from digital sensors; GUI -to manage and control the whole station and to produce TAC and BUFR messages; and SENDER -to transmit data and messages to remote central and local units. The configuration of the station is set up and modified by means of text tables.</p> <p>ftp://ftp.meteoam.it Contact: sws-us@meteoam.it - to obtain the username and password</p>
20/08/2008	United Kingdom	<p>Software to run on marine meteorological data in IMMT format to check the file against the WMO Minimum Quality Control Standards, and provide details of where the data has failed checks to enable the Contributing Member to correct the data before submission to the Global Collecting Centres (GCC) for processing and distribution to the Responsible Members.</p> <p>MetOffice - http://www.metoffice.gov.uk/research/interproj/gcc/index.html DWD - http://www.dwd.de/gcc/</p>
20/08/2008	United Kingdom	<p>A set of kernel routines for encoding and decoding BUFR messages; front-end routines are required to present messages or to decode other code formats. Complete BUFR Tables included. Please note that this is not software to convert between TAC and BUFR.</p> <p>http://www.metoffice.gov.uk</p>
02/07/2008	Switzerland	<p>LIBAGG: library containing functions for the aggregation of mainly climatological values and the calculation of derived meteorological quantities. LIBPUM: library containing functions for testing meteorological measurements and observations for plausibility.</p> <p>Documentation of these software packages is not available on the World Wide Web. Contact: christian.haerberli@meteoswiss.ch</p>
04/01/2008	Hong Kong, China	<p>The software automatically connects and downloads wind profiler files from remote site via telephone lines.</p> <p>http://www.hko.gov.hk/wmo/cbs.htm</p>

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17/11/2006	United States	<p>NetCDF (network Common Data Format) is an interface for scientific data access and a library that provides an implementation of the interface. The netCDF library also defines a machine-independent format for representing scientific data. Together, the interface, library, and format support the creation, access, and sharing of scientific data. NetCDF-4 is a major enhancement that provides many features. NetCDF-Java provides read access to other formats, including GRIB and BUFR, through a Common Data Model Interface.</p> <p>http://www.unidata.ucar.edu/software/netcdf.html</p>
17/11/2006	United States	<p>The Unidata Local Data Manager (LDM) is a collection of cooperating programs that select, capture, manage, and distribute arbitrary data products. The system is designed for event-driven data distribution and is currently used in the Unidata Internet Data Distribution (IDD) project. The LDM system includes network client and server programs and their shared protocols. An important characteristic of the LDM is its support for flexible, site-specific configuration.</p> <p>http://www.unidata.ucar.edu/software/ldm</p>
31/08/2006	Cyprus	<p>WeatherAid is an easy to use tool for the meteorological observer. -Helps the observer to describe the weather phenomena; -Keeps track of the evolving weather, generating an easy to study record list; -Provides the proper weather codes to be reported, according to WMO regulations.</p> <p>http://www2.cs.ucy.ac.cy/~meteo/WeatherAid.html</p>