GPV/JMA Archive

What is new

GPV/JMA Archive system has been renewed with new browser since April 2012. If you have any problem with the new browser, please contact us.

JRA-55 archive server has started after 8 October 2013.
http://gpvjma.ccs.hpcc.jp/~jra55/index.html

(New) The system maintenance will be announced occasionally.

About the archive

This Archive offers the daily operational weather forecasting data provided by the Japan Meteorological Agency (JMA). The data are called Grid Point Values (GPV). The Archive is maintained by the Center for Computational Sciences, University of Tsukuba, for the purpose of scientific development of the weather and climate forecasting technology. All weather maps posted here are the product by the CCS, University of Tsukuba, Japan

Files stored

In the Archive, there are six kinds of JMA/GPV data, i.e., global spectral model data (gsm_jma), regional spectral model data (rsm_jma), meso-scale non-hydrostatic model data (msm_jma), weekly ensemble forecast data (ensemble_week_jma), monthly ensemble forecast data (ensemble_month_jma), and seasonal ensemble forecast data (ensemble_3month_jma). Those GPV data are stored in subdirectories describing the date (yyyymmdd00) when the data are generated. The dated subdirectories are combined in the main directory describing the year.

Notice:
Due to the system upgrade of JMA, the resolution and format of the GPV data have changed after March 1, 2006.

Notice:
Further system upgrade was made on November 21, 2007. Since the resolution of GSM becomes high enough, the GSM high-resolution data covers the Japan region and the service of RSM was terminated. We still call the high-resolution data by GSM as rsm_jma, which covers the Japan region.

Notice:
The data format has been changed to so-called reduced Gaussian grid after October 2008.
Refer to the appropriate documents issued by JMA.

Further additions of weather and climate data are in preparation.

Restrictions and conditions

To access files in the Archive, a registration using your mail address is required. This is to allow us to keep track of the locations of downloaded files. The online GPV data provided by way of JMBSC are free to redistribute. When you use the JMA/GPV data stored in this Archive, however, please understand that the data are not for the commercial use. CCS has a right to refuse the access depending on the undesired purpose. Sample programs for reading the GPV data and weather maps are prepared for convenience in a source directory.

Please note that the Center for Computational Sciences takes no responsibility for the data and maps downloaded from this Archive.

Division of Global Environmental Sciences

Center for Computational Sciences, University of Tsukuba, was founded in April 2004 as an Inter-University Research Facility open for nationwide joint use. In addition to the former Divisions of Particle and Astrophysics, new Divisions of Material and Life Sciences, Global Environment and Biological Sciences, and Computational Informatics were established. After some reformations, we have following six divisions at present: Particle Physics, Astrophysics and Nuclear Physics, Quantum Condensed Matter Physics, Life Sciences, Global Environmental Science, High Performance Computing Systems, and Computational Informatics. The content of this web site is provided by the Division of the Global Environmental Sciences.