



Really brief report of

# GISC Tokyo operation

TOYODA Eizi  
Japan Meteorological Agency

# This talk

- Brief history of GIS/DCPC Tokyo
- Activities as GIS/DCPC
- Contribution to int'l standardization

# GISC/DCPC Tokyo

- Designated by Congress-15 Jul 2011
- Operational since Aug 2011
- DCPCs
  - RTH
  - RSMC-Geographical: mainly NWP
  - RSMC-Typhoon Centre
  - RSMC-EER
  - Satellite
  - Tokyo Climate Center
  - WDC Greenhouse Gases



# WIS Portal

## WIS Portal - GISC Tokyo

Welcome to Tokyo Global Information System Centre!

[Home](#) [About WIS](#) [Warning](#) [KML](#) [WMO format](#) [Metadata](#) [Help Desk](#) [News](#)

Home

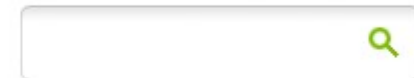


### Welcome to the Tokyo Global Information System Centre!

This portal web-site is operated by the Japan Meteorological Agency(JMA) in its capacity as a GISC (Global Information System Centre) for the WMO Information System (WIS).

Please proceed to:

- [Overview of WIS](#)
- [List of JMA's WIS services](#) relating to its capacity as a GISC and a DCPC
- [List of JMA's single sign-on services](#)
- [User Guides](#) including [Tutorial Slides of DAR service](#)
- Data in [text \(warnings\)](#), [raw WMO Codes](#) and [KML](#)



#### Recent Posts

Cloud database maintenance  
—Posted on 4/23/2013

JMA will change its wind profiler data on March 6th.  
—Posted on 2/6/2013

JMA Workshop on WMO Information System Implementation  
—Posted on 12/28/2012

JMA will change its wind profiler data  
—Posted on 12/27/2012

WIS Application Pilot Project (PP-App) website open!  
—Posted on 12/5/2012



# Activities as GIS/DCPC

↓ view from JMA data center at Kiyose city  
(24 km NW of JMA HQ)



# GSM data service



気象庁

Japan Meteorological Agency

## JMA High-Resolution GSM Data Service

Home

Tutorial

Product Information

Model Information

Download

Help Desk

### JMA High-Resolution GSM Data Service

With a resolution of 0.1875 degrees (approximately 20 km), the Japan Meteorological Agency's Global Spectral Model (GSM) has one of the highest horizontal resolutions of any operational global model in the world.

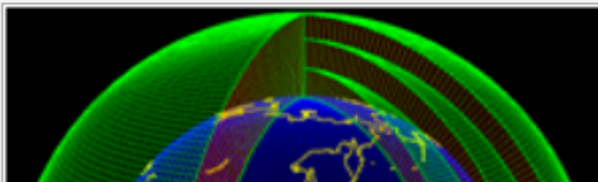
This website provides data from JMA's GSM at a resolution of 0.5 degrees (0.25 degrees for surface layers) on an operational basis.

Users can access and retrieve the following forecast outputs:

- Up to 84 hours four times a day (with initial times of 0000, 0600, 1200 and 1800 UTC) within 4 hours of the initial time
- Up to 216 hours once a day (with an initial time of 1200 UTC) within 7 hours of the initial time

For further information, see:

- **Tutorial** for instructions on downloading data
- **Product Information** for details of products
- **Model Information** for a model profile
- **Download** for access to GSM products in GRIB2 format
- **GISC Tokyo's website** for access to GSM products in KML format





# GSM used in Bangladesh



Bangladesh  
Meteorological  
Department

[About BMD](#)

[Services](#)

[Forecast](#)

[NWP Products](#)

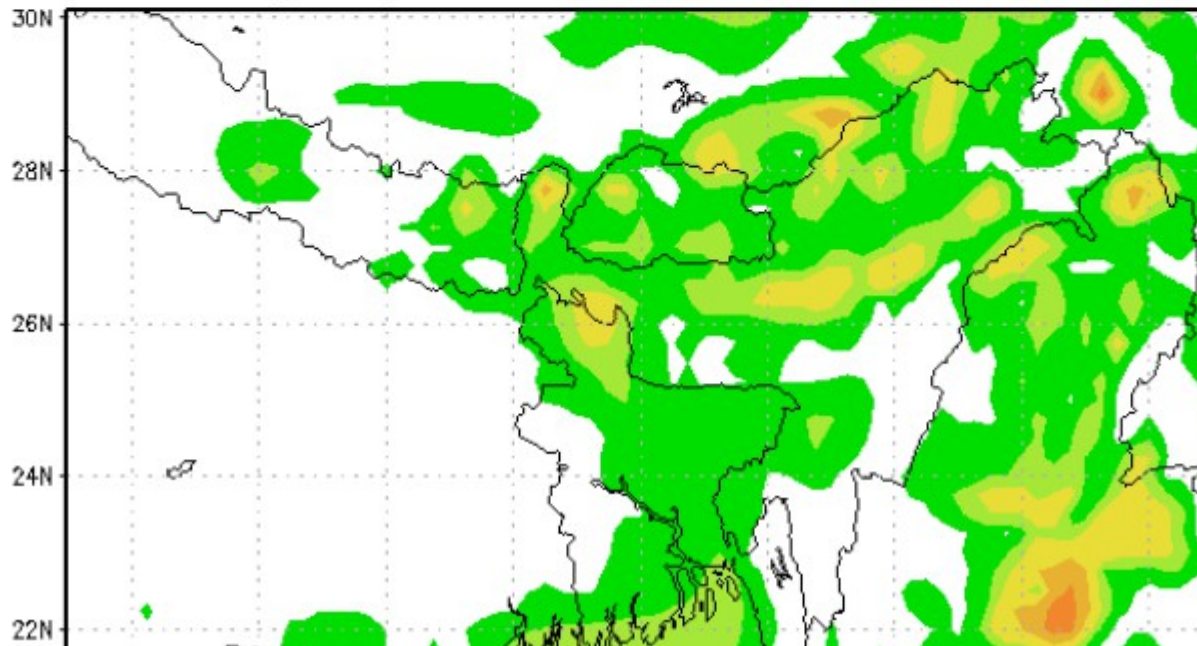
[Warnings](#)

[Contact Us](#)

[Blog](#)

## JMA 24 Hour Rainfall Forecast

Rainfall(mm): 00Z,28.04.13 to 00Z,29.04.13



# SATAID data on Web

Home

Data for SATAID

The SATAID Application

Manual

Terms of Use

Help Desk

## SATAID Service

provided by DCPCs of JMA.

### ★ Data for SATAID

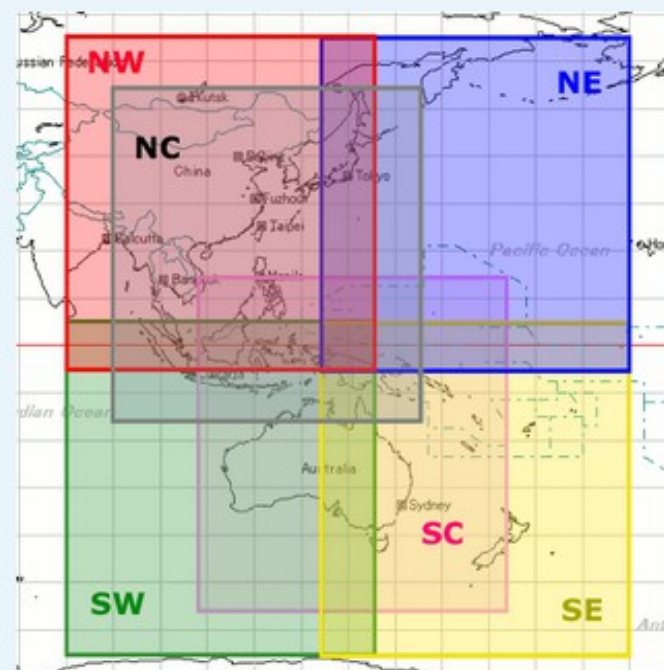
Before using these data, please check [use conditions of SATAID Service](#)

#### Area

Data sets of six areas are provided in this service. Please select *Area Name* from menu bar when you download data.

Definition of areas and information is indicated by right figure and table below.

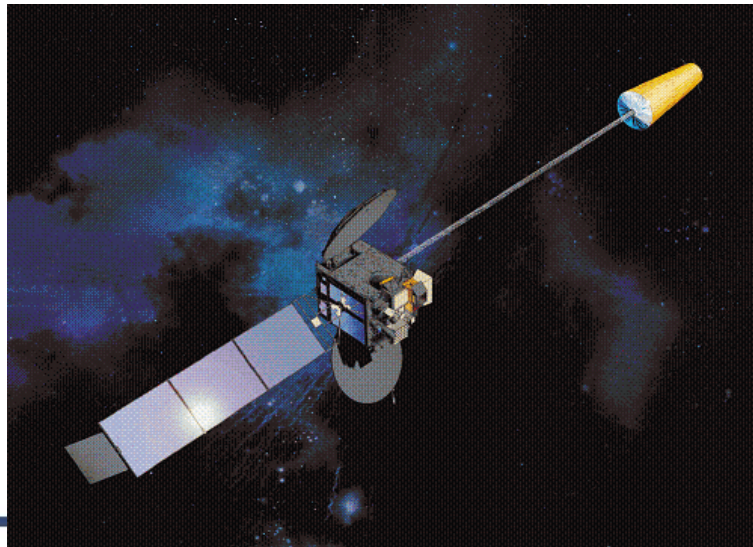
Abbr.	Area Name	Latitude	Longitude	Sum of Size
NC	North Central	55N-15S	90E-155E	1.7GB/3day
NW	Northwest	65N-5S	80E-145E	1.6GB/3day
NE	Northeast	65N-5S	135E-200E	1.5GB/3day
SC	South Central	15N-55S	107.5E-172.5E	1.2GB/3day
SW	Southwest	6N-65S	80E-145E	1.1GB/3day
SE	Southeast	6N-65S	135E-200E	1.0GB/3day





# Satellite-based services

- DCP (Data Collection Platform)
- Imagery dissemination
  - MTSAT HRIT/LRIT (to be closed 2015)
  - Commercial satellite
  - Please fill out JMA's questionnaire!



# JMA WIS Workshop, October 2012



# Contribution to Int'l standardization





# RA-II/V WIS App Pilot Project

## WIS Application Pilot Project

HOME

SOFTWARE APPLICATIONS »

CONTACT

PARTICIPANTS LIST

### Home

## RA-II and -V WIS Application Pilot Project (PP-App)

### Welcome to PP-App website!

The WIS Application Pilot Project (PP-App) was established in order to develop software applications for support WIS functions as the next phase of the VPN Pilot Project in Regions II and V. And this Project focuses on internet-based applications designed to run on PC for every Member's WIS operations.

The Australian Bureau of Meteorology (BoM), the China Meteorological Administration (CMA), the Hong Kong Observatory (HKO), the Japan Meteorological Agency (JMA) and New Zealand MetService continue to lead this Project, and all NMCs in the Regions can join as participants, to comment about the applications.

The participants of this Project are currently [here](#).

### Themes of PP-App and objects of this website

This Project starts with following themes:

#### News

WIS PP-APP users (Brand new tool of visualized monitoring tool)

#### History

PP-App website open! 30 Nov. 2012

# http://toyoda-eizi.net/2011/syncmon

diag/size summary (2013-04-27T03Z) - Mozilla Firefox

ファイル(E) 編集(E) 表示(V) 履歴(S) ブックマーク(B) ツール(T) ヘルプ(H)

diag/size summary (2013-04-27T03Z) +

toyoda-eizinet/2011/syncmon/curr/SMRY.html

2013-04-27T03:00:00Z

diag/size summary

Set	size	diff	diag history
WIS-CATALOGUE cma	146153	<a href="#">cma-jma=5266</a>	-0/+26/26T06, -0/+14/23T00, -6/+0/22T09
WIS-CATALOGUE dwd	144758	<a href="#">dwd-jma=1058</a>	-0/+7/25T12, -0/+2/25T09, -0/+3/24T15, -0/+1126/24T01, -1027/+0/23T09, -0/+7/22T15, -0/+7/22T12, -0/+20/22T09
WIS-CATALOGUE jma	144014	<a href="#">jma-cma=3000</a> <a href="#">jma-dwd=187</a>	-10/+0/26T06, -0/+9/26T03, -10/+0/25T06, -0/+3/25T03, -10/+0/24T06, -3/+73/24T01, -10/+0/23T06, -0/+14/23T03, -75/+27/22T09
WIS-GISC-BEIJING au	49870	<a href="#">au-cma=20820</a>	
WIS-GISC-BEIJING cma	63468	<a href="#">cma-au=34418</a> <a href="#">cma-dwd=3437</a> <a href="#">cma-jma=3233</a> <a href="#">cma-kma=3191</a> <a href="#">cma-mf=49</a>	
WIS-GISC-BEIJING dwd	61250	<a href="#">dwd-cma=1219</a>	
WIS-GISC-BEIJING jma	60543	<a href="#">jma-cma=308</a>	-10/+0/26T06, -10/+0/25T06, -10/+0/24T06, -10/+0/23T06, -10/+0/22T09
WIS-GISC-BEIJING kma	61095	<a href="#">kma-cma=818</a>	
WIS-GISC-BEIJING mf	80723	<a href="#">mf-cma=17304</a>	
WIS-GISC-EXETER au	15224	au-uk=0	
WIS-GISC-EXETER dwd	15224	dwd-uk=0	

# WCMP Schematron Validator can take result of OAI-PMH GetRecord

Requirements by WMO Core Metadata Profile v1.3 - Mozilla Firefox

ファイル(E) 編集(E) 表示(V) 履歴(S) ブックマーク(B) ツール(T) ヘルプ(H)

Requirements by WMO Core Metadata Pro... +

toyoda-eizi.net/xmlvw/wcmp13/http://www.wis-jma.go.jp/meta/oaiprovider.jsp?verb=GetRecord&metadataPrefix=iso19139&identifier=urn:x-wmo:md:int.wmo.wis::SMJP01RJTD

## Schematron validation result

Title: Requirements by WMO Core Metadata Profile v1.3

Version: 2013-04-23

Source: <http://www.wis-jma.go.jp/meta/oaiprovider.jsp?verb=GetRecord&metadataPrefix=iso19139&identifier=urn:x-wmo:md:int.wmo.wis::SMJP01RJTD>

<http://toyoda-eizi.net/xmlvw/wcmp13/http://www.wis-jma.go.jp/meta/oaiprovider.jsp?verb=GetRecord&metadataPrefix=iso19139&identifier=urn:x-wmo:md:int.wmo.wis::SMJP01RJTD>

Level	Source	Rule id	Location	Message
Info	NONE	print.fileIdentifier	/ OAI-PMH/ GetRecord/ record/ metadata/ gmd:MD_Metadata	urn:x-wmo:md:int.wmo.wis::SMJP01RJTD
Mand	ISO	ISO19139_A21.nilReason	/ OAI-PMH/ GetRecord/ record/ metadata/ gmd:MD_Metadata/ gmd:characterSet	XML Class Type must have value either by content, by uuid reference or by xlink reference, otherwise use gco:nilReason to document why the value is missing.
Mand	ISO	ISO19139_A21.nilReason	/ OAI-PMH/ GetRecord/ record/ metadata/ gmd:MD_Metadata/ gmd:hierarchyLevel	XML Class Type must have value either by content, by uuid reference or by xlink reference, otherwise use gco:nilReason to document why the value is missing.
Mand	ISO	ISO19139_A21.nilReason	/ OAI-PMH/ GetRecord/ record/ metadata/ gmd:MD_Metadata/ gmd:contact/	XML Class Type must have value either by content, by uuid reference or by xlink reference, otherwise use gco:nilReason to document why the value is missing.



# Summary

- Tokyo GIS/C and DCPCs operational since August 2011
- Services as GIS/C/DCPCs
- Contribution to int'l activity
  - RA-II/V WIS App Pilot Project
  - Experts of CBS/OPAG-ISS