

# CEOP

## Data Upload, Quality Control and Meta-Data Registration System

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# Outline

1. Framework of CEOP Data Upload, Quality Control, and Meta-Data Registration System.
2. Introduction of Data Upload System
  - Background, User Interface (Demo), Recent Status
3. Introduction of Data Quality Control System
  - Background, User Interface (Demo), Recent Status
4. Overview of Meta-Data Registration System  
→ cont. Dr. Yasukawa's presentation

# Outline of the Data Management

To utilize great variety data for integrated use, it usually requires many processes for the data provider,

**Raw Data pre checking**

**Quality Controlling,**

**Unified Format conversion,**

**Meta data registration,**

**Dataset documentation,**

**And so on ..**

**→Data provider takes a lot of Time and Energy**

# Outline of the Data Management

■ To reduce all the work and time for these processes,

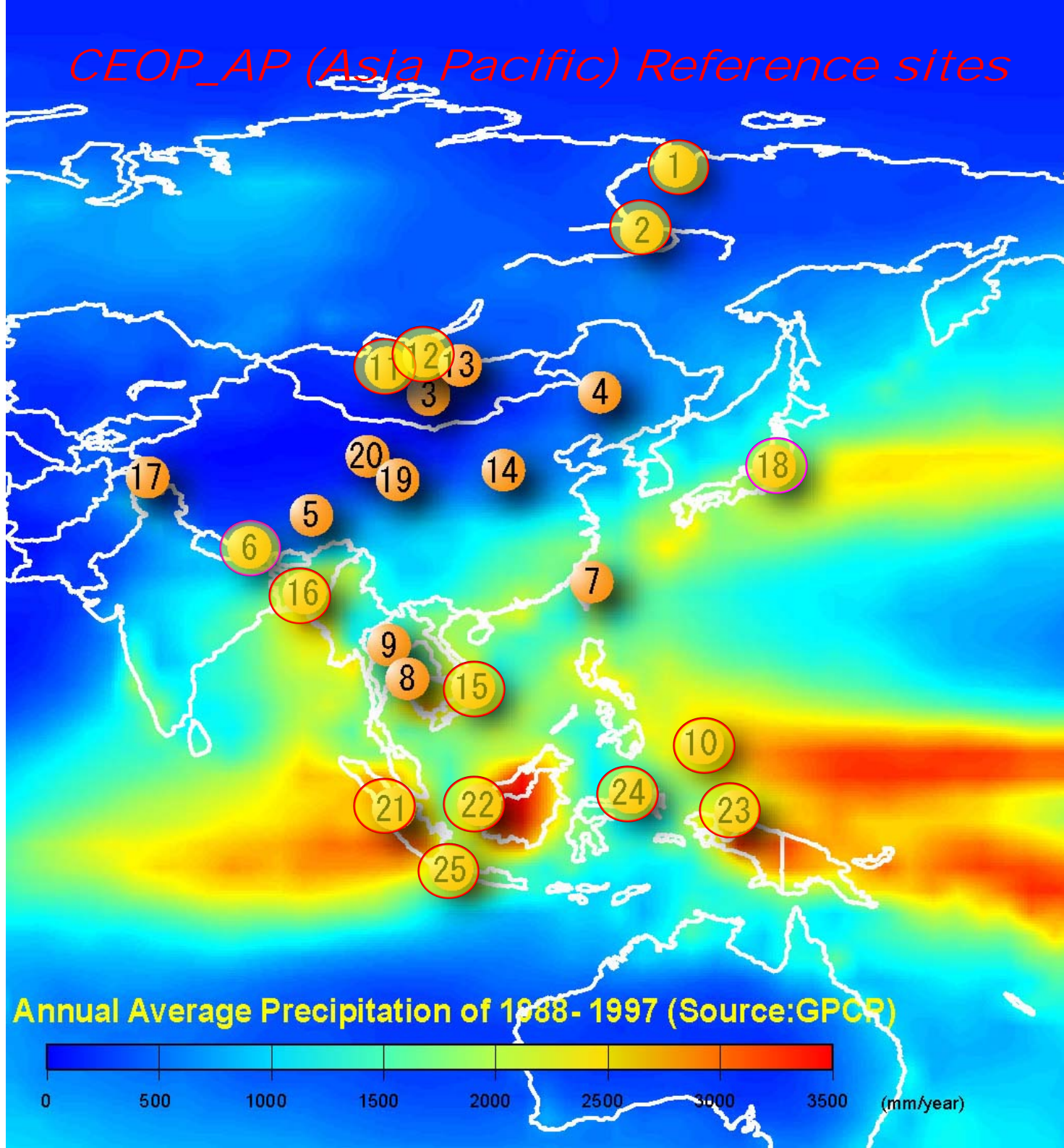
- The UT team has been establishing **Web based data upload**, **Quality Control** and **Meta Data Registration System** that data provider can use through the web.

The image displays three screenshots of web-based data management tools for CEOP (Climate and Environmental Observations Platform).

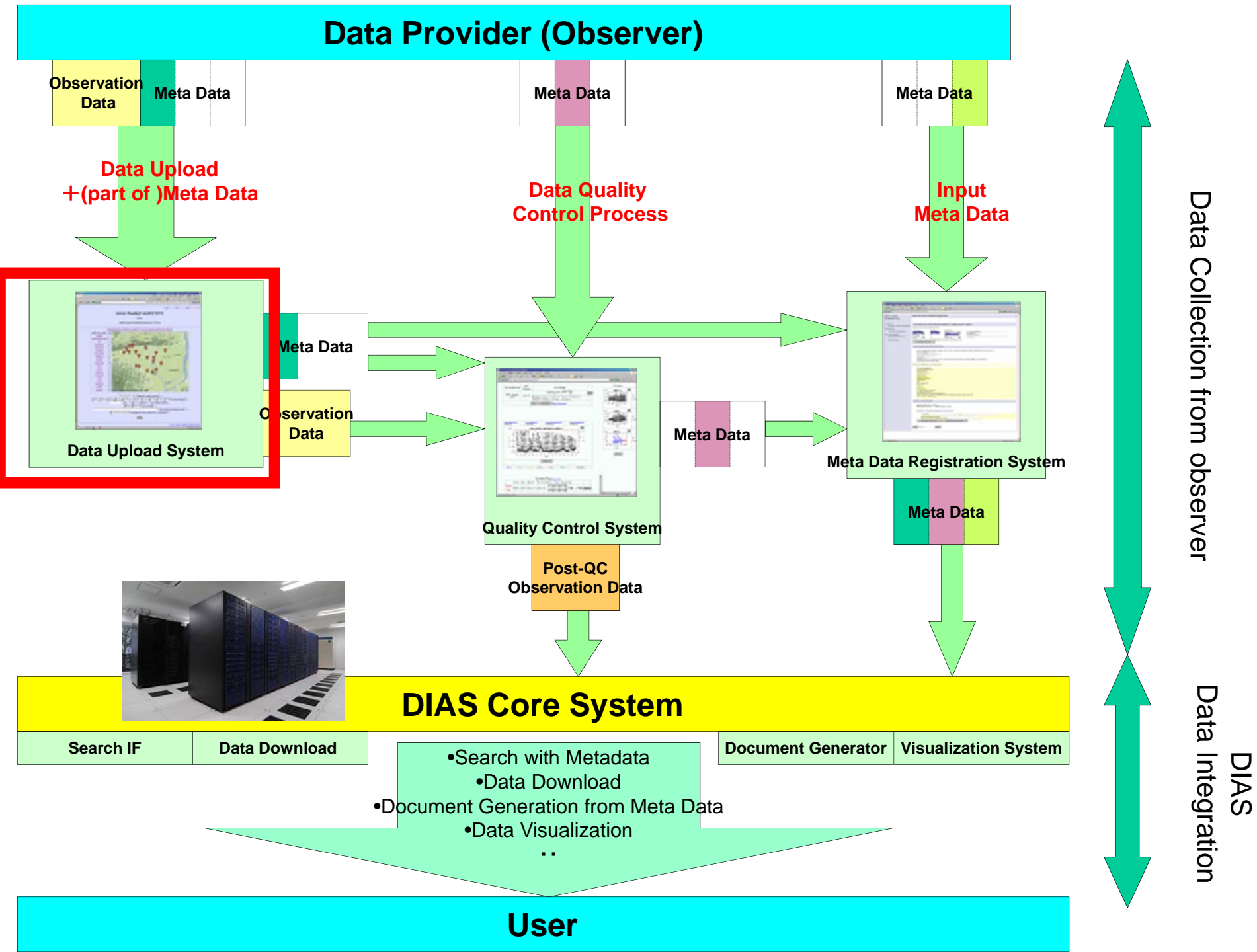
- Left Screenshot:** CEOP Data Upload Center (Ver.1.10c). The interface shows a map of an observation station location (UT Farm) and a form for data upload. The form includes fields for Observation Station Name, Time Period (2007-2010), Data Interval (30min, 1hr, daily, other), and Timezone (UTC+09). The number of observed elements is set to 5.
- Middle Screenshot:** CEOP Observation Data Quality Control. This screen displays a time-series plot for TEST Station AWS G2(2.5) for the year 2003-1. The plot shows data points over time, with a vertical axis ranging from -20 to 60. Below the plot, there are update flags and a table for updating data.
- Right Screenshot:** CEOP Reference Site Metadata Management Tools. This screen shows the metadata registration process for River Basin Observation Metadata. It includes a list of steps: (1) Contact Information, (2) Reference Site Information, (3) Observation Metadata, (4) Related Information, and (5) Document Generation. The current step is (3) Observation Metadata, where the user is prompted to select their Country (Tama-River), Reference Site (Tama-River), and Station Name (UT Farm).

No.	Ref. Site Name
1	Eastern Siberian Tundra
2	Eastern Siberian Taiga
3	Mongolia
4	Tongyu
5	Tibet
6	Himalayas
7	Northern South China Sea - Southern Japan
8	Chao-Phraya River
9	North-East Thailand
10	Western Pacific Ocean
11	Mongolia Arvayheer
12	Mongolia Nalaikh
13	Northern Mongolia
14	Lower Yellow River
15	Central Vietnam
16	Northeast Bangladesh
17	Pakistan Karakorum
18	Tsukuba
19	Lanzhou
20	Heihe River Basin
21	Western Indonesia
22	Central Indonesia
23	Eastern Indonesia
24	Northern Indonesia
25	Southern Indonesia

*CEOP\_AP (Asia Pacific) Reference sites*



# CEOP Observation Data Management System



# Observation Data **Upload** System

Eiji Ikoma

Katsunori Tamagawa, Hiroko Kinutani,  
Tetsu Ohta, Toshio Koike, Masaru Kitsuregawa

# On-line Data Upload

- Observers have sent their own data to data administrators with the means of e-mail or mail before.
- However, by these methods, there were lots of problem, like the point that the file format and meta information are not unified, the point which requires much time and effort to send the data for observers, and also processing take lots of time, etc..
- So, we have started to develop on-line data upload system for CEOP Asia-Pacific data, which is in cooperation with Data Quality Control System, Meta-Data Registration System, and Data Archiving System.

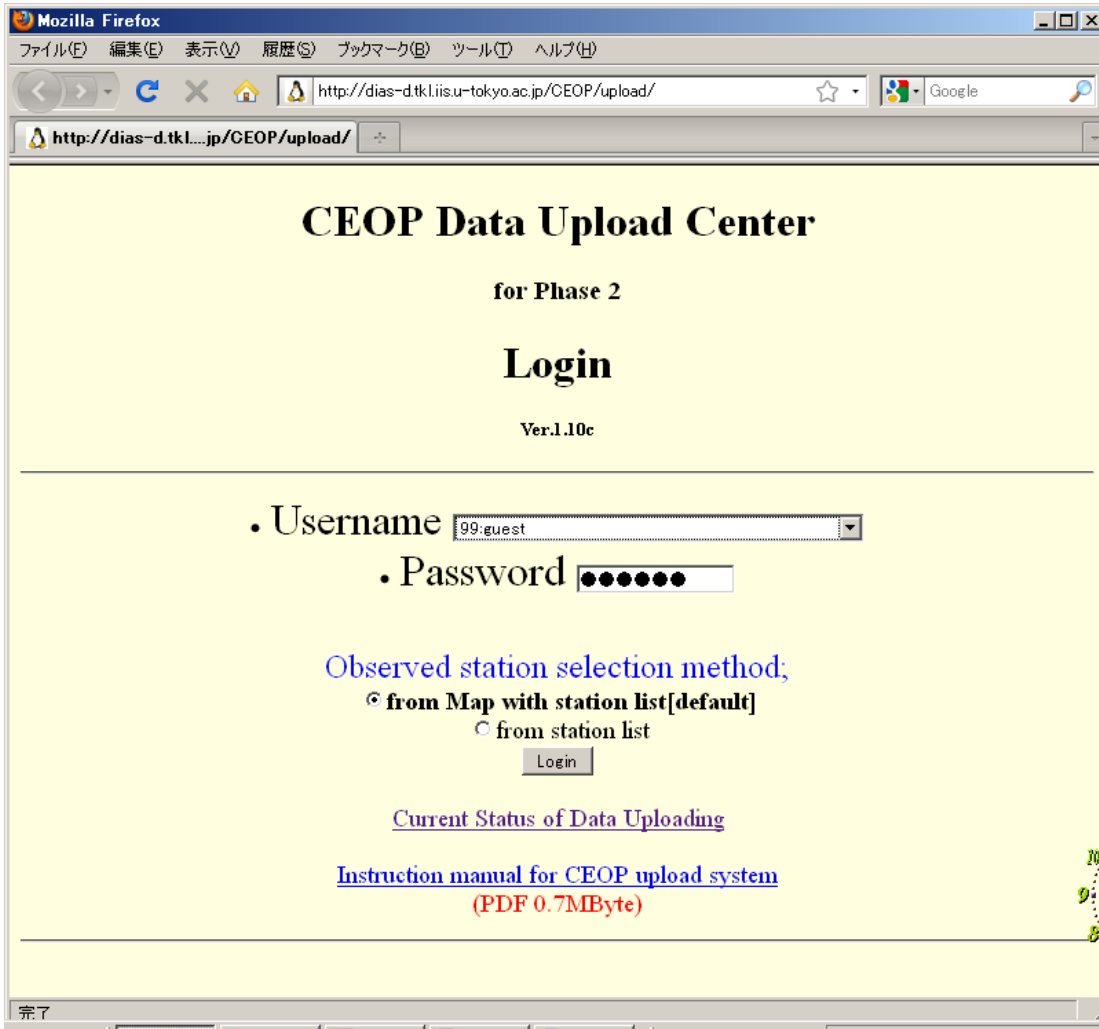


# Data Upload System

- Observers can upload observation data and input some Metadata on Web Interface consisted of 4 steps.
- On each step, observers need to input some information about the data.
- Easy Operation and Quick Response.
- This system has some function which **reduce** the complicatedness of upload process

# Login Page

(Ver3.01c for CEOP)



- Username and Password are required.
- Each observation site manager has its own (unique) username and password.

# STEP1

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


http://dias-d.tk.iis.u-tokyo.ac.jp/CEOP/upload/

Step 1 -----> Step 2 -----> Step 3 -----> Step 4

## CEOP Data Upload Center (Ver.1.10c)

[Current status of your Upload file](#) / [No Map Mode](#)

[Satellite Map](#) [Normal Map](#) [Normal + Sattelite Map](#) [Physical Map\(Default\)](#)



No.	Observation Station name
01	<a href="#">UT Farm1</a>
02	<a href="#">UT Farm2</a>
03	<a href="#">UT Farm3</a>
04	<a href="#">UT Farm4</a>
05	<a href="#">UT Farm5</a>

Observation Station Name

TimePeriod  /  /  -  :  —  /  /  -  :

Data Interval  30min  1hr  daily  other

Timezone  :

Description(optional)

Number of observed elements  in this file

完了

- Observation Point(Map/List)
- Time Period
- Data Interval
- Timezone
- Description (optional)
- Num. of observed elements

# STEP2

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)

http://dias-d.tkl.iis.u-tokyo.ac.jp/CEOP/upload/

## Data Information

Reference Site/Basin Name:Tama-River , Observation Station: UT Farm1  
Time Period: 2007/01/01 00:00 --- 2010/12/31 23:59  
Data Interval: 1hr , Timezone:UTC+09:00  
Description:

You can select one of those to help your data information input. Also, you can revise the data in an overwrite mode.  
Your Previous input records: Please Select

If you want to change the number of your parameters, please select the correct number of data, and confirm it.  
5 data confirm

Back NEXT

No.	parameter	sensor height [m] <a href="#">cp No.1 to all</a>	orientation (optional) <a href="#">cp No.1 to all</a>	unit	missing value <a href="#">cp No.1 to all</a>	description <a href="#">cp No.1 to all</a>
1	Please Select					
2	Please Select					
3	Please Select					
4	Please Select					
5	Please Select					

Back NEXT  
Parameters Upload

- Observation Data
  - Choose from pulldown menu
- Sensor height
- Orientation(op.)
- Unit
- Missing value
- Description(op.)

1. Copy from No.1 to all
2. Unit = Input Automatically when you choose observation data
3. Copy from former inputted data
4. Modify the num of observation data
5. Upload from prepared csv file

# STEP3

Step 1 ----> Step 2 ----> **Step 3** ----> Step 4

## File Upload

FILE  参照... Upload

Reference Site/Basin Name:Tama-River, Observation Station: UT Fam1  
Time Period: 2007/01/01 00:00 — 2010/12/31 23:59  
Data Interval: 1hr, Timezone:UTC+09:00  
Description:

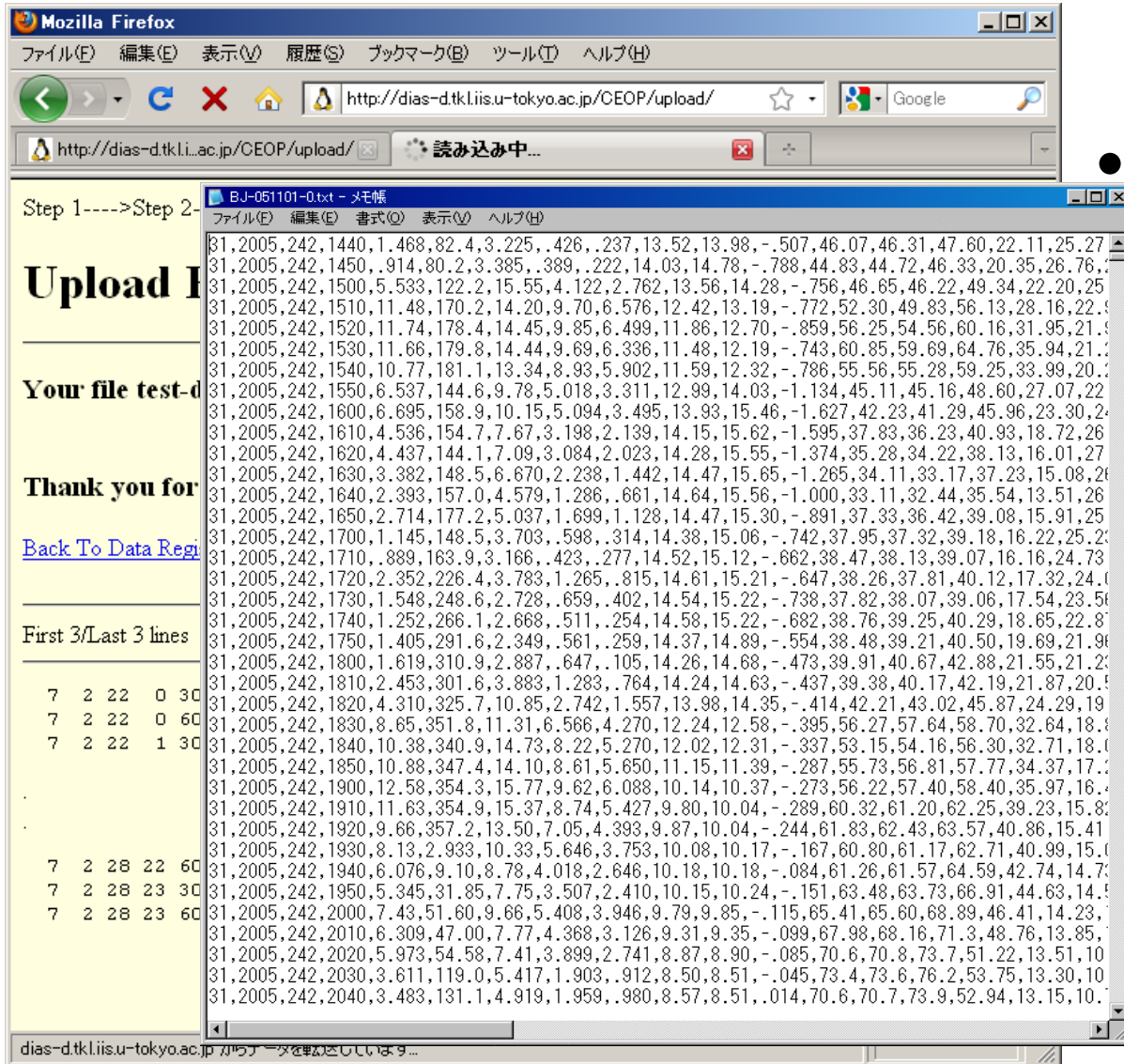
No.	parameter	sensor height	orientation (optional)	unit	missing value	description
1	Relative Humidity	30m	NW	%	-9999	description1
2	Dew Point Temperature	30m	NW	deg	-9999	
3	Specific Humidity	30m	NW	m/s	-9999	
4	U Wind Component	30m	NW	degC	-9999	average
5	Precipitation	30m	NW	g/kg	-9999	

[Eiji Ikoma](#)

完了

- Upload observation Data(File).
- Confirmation of metada inputted at STEP1,2.

# STEP 4

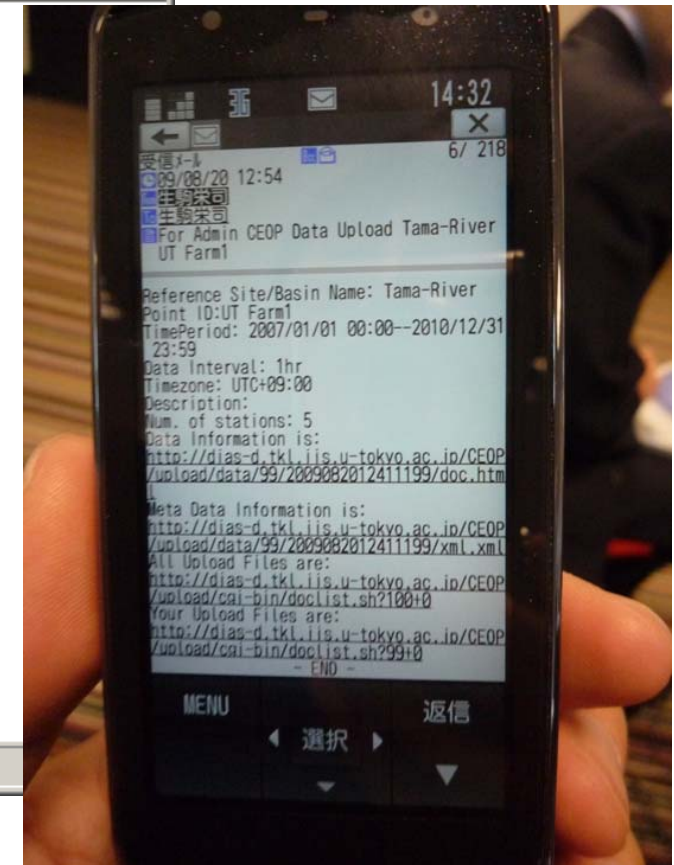
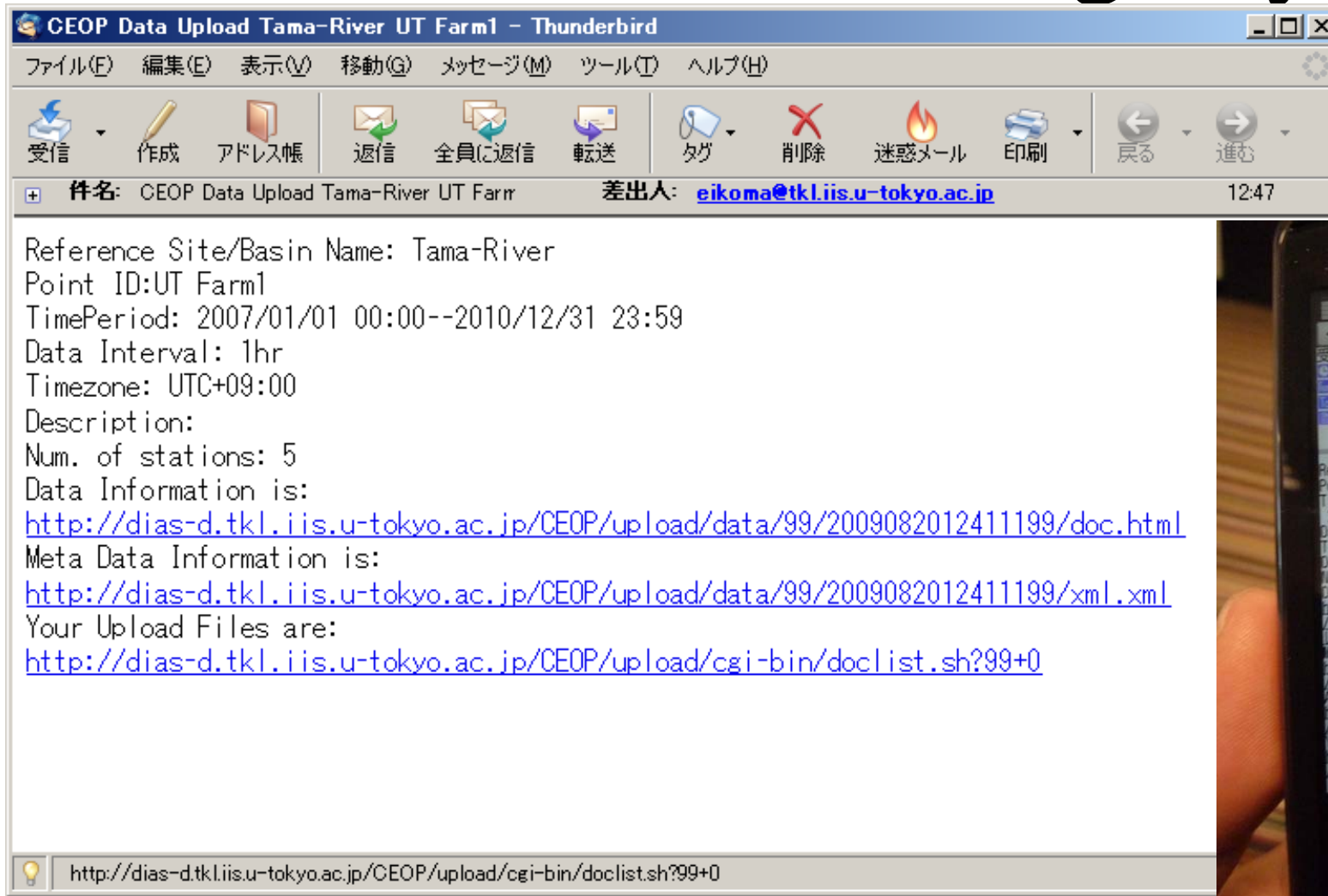


- Confirmation of
  - local path of uploaded file
  - contents of the file (first/last 3lines and all lines when you require)
  - All metadata inputted at STEP1,2,3

# After STEP 4

- Our system send the confirmation message to observer by e-mail.
- Inputted metadata are stored in our Upload system --- Observer can use at next time.
- Observation data is loaded to Quality Control System

# Confirmation Message by e-mail



For Administrators (e-mail to mobile-phone)



# After STEP 4

- Our system send the confirmation message to observer by e-mail.
- Inputted metadata are stored in our Upload system --- Observer can use at next time.
- Observation data is loaded to Quality Control System

# List of uploaded file

## List of Uploaded File (Ver.1.10a)

Tama-River [Download All "Tama-River" Data\(zip format\)](#)

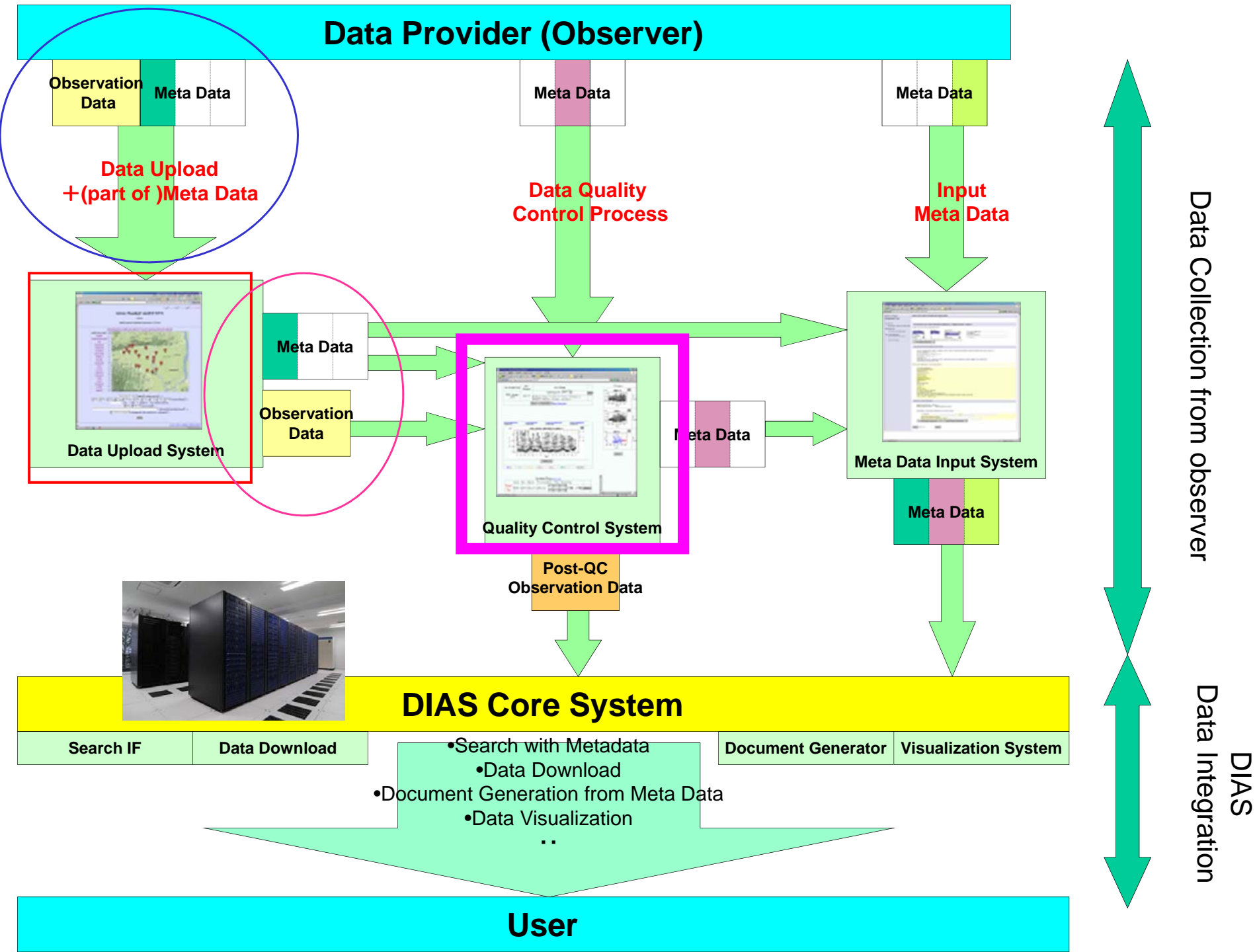
Uploaded Date/Time	Observation Station Name	Num. of Param.	Start Time	End Time	Datafile	filesize(byte)	Docfile	Delete
2008/11/20/16:37:56(+0900)	1:UT Farm1	5	2007/01/01 00:00	2010/12/31 23:59	<a href="#">datafile</a>	861	<a href="#">docfile</a>	<a href="#">Delete</a>
2008/11/20/16:38:23(+0900)	1:UT Farm1	5	2008/01/01 00:00	2010/12/31 23:59	<a href="#">datafile</a>	1100	<a href="#">docfile</a>	<a href="#">Delete</a>
2008/12/15/09:35:08(+0900)	1:UT Farm1	5	2007/01/01 00:00	2007/12/31 23:59	<a href="#">datafile</a>	272480	<a href="#">docfile</a>	<a href="#">Delete</a>
2009/01/24/15:56:35(+0900)	1:UT Farm1	5	2007/01/01 00:00	2010/12/31 23:59	<a href="#">datafile</a>	3471	<a href="#">docfile</a>	<a href="#">Delete</a>
2009/01/25/06:36:33(+0900)	1:UT Farm1	5	2007/01/01 00:00	2010/12/31 23:59	<a href="#">datafile</a>	186668	<a href="#">docfile</a>	<a href="#">Delete</a>
2009/01/25/06:38:21(+0900)	1:UT Farm1	3	2007/01/01 00:00	2008/12/31 23:59	<a href="#">datafile</a>	18421	<a href="#">docfile</a>	<a href="#">Delete</a>
2009/01/27/13:33:55(+0900)	1:UT Farm1	5	2007/01/01 00:00	2010/12/31 23:59	<a href="#">datafile</a>	3471	<a href="#">docfile</a>	<a href="#">Delete</a>
2009/05/15/12:52:22(+0900)	1:UT Farm1	5	2007/01/01 00:00	2010/12/31 23:59	<a href="#">csv</a>	491218	<a href="#">docfile</a>	<a href="#">Delete</a>
2009/05/15/12:53:55(+0900)	1:UT Farm1	5	2007/01/01 00:00	2010/12/31 23:59	<a href="#">rar</a>	66123	<a href="#">docfile</a>	<a href="#">Delete</a>
2009/05/15/12:54:30(+0900)	1:UT Farm1	5	2007/01/01 00:00	2010/12/31 23:59	<a href="#">zip</a>	84586	<a href="#">docfile</a>	<a href="#">Delete</a>
2009/05/15/13:17:22(+0900)	1:UT Farm1	5	2007/01/01 00:00	2010/12/31 23:59	<a href="#">rar</a>	66123	<a href="#">docfile</a>	<a href="#">Delete</a>
2009/05/15/14:03:35(+0900)	1:UT Farm1	5	2007/01/01 00:00	2010/12/31 23:59	<a href="#">rar</a>	66123	<a href="#">docfile</a>	<a href="#">Delete</a>
2009/05/15/17:41:30(+0900)	1:UT Farm1	5	2007/01/01 00:00	2008/12/31 23:59	<a href="#">dat</a>	186668	<a href="#">docfile</a>	<a href="#">Delete</a>
2009/05/15/17:47:14(+0900)	1:UT Farm1	3	2007/01/01 00:00	2008/12/31 23:59	<a href="#">csv</a>	3011	<a href="#">docfile</a>	<a href="#">Delete</a>

You can check your uploaded file here.

- Data Download
- Check metadata
- Delete uploaded data



# CEOP Observation Data Management System



# CEOP Observation Data Quality Control (QC) System

**Eiji Ikoma, Katsunori Tamagawa,**

Tetsu Ohta, Kenji Taniguchi,

Toshio Koike, Masaru Kitsuregawa

# Our QC System

- First version of our QC System was developed for CEOP Data in 2004.
- Ver.1(2004-2005) for → Ver.2(2005-2006) → Ver.3(2007-)
- 13site(Ver.1)→ 25site(Ver.2)→ Ver.3.xxx
  - *Ver3.00(for JICA=3 sites, 12 stations.),*
  - *Ver3.01a(for AWCI=18 sites, 291 stations.),*
  - *Ver3.01c(for CEOP=25 sites, 76 stations.) are now running*
- We are operating QC-V3(Ver.3.01c) system for CEOP Phase2 Data.

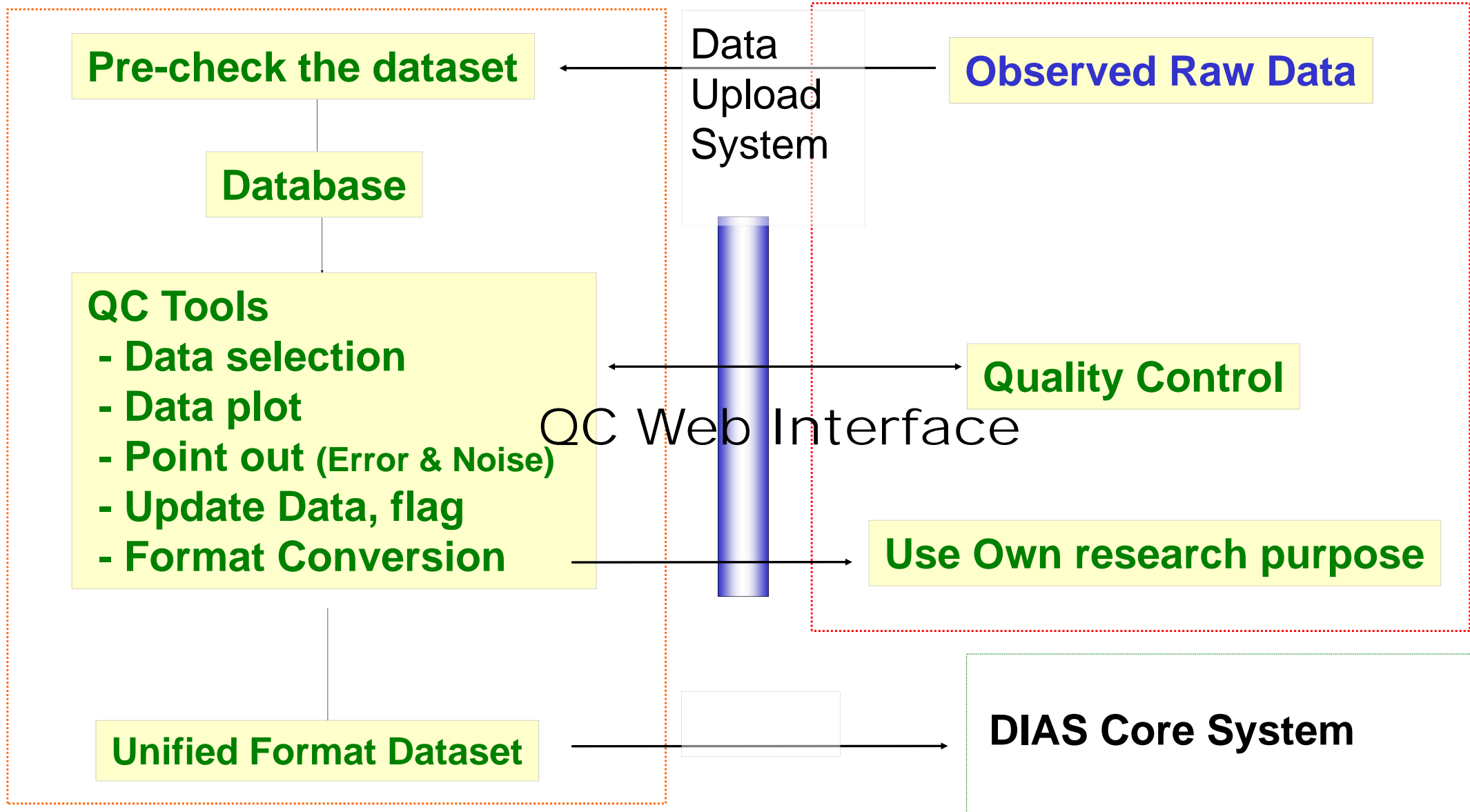
# Features of our QC system

- Web-based UI ( required only Web browser)
- Easy-to-use and light operation
- Data management mechanism for each user authority
- Post-QC Data download support system
- Progress Management system for Data Manager

# Outline of QC Process

Data center (UT)

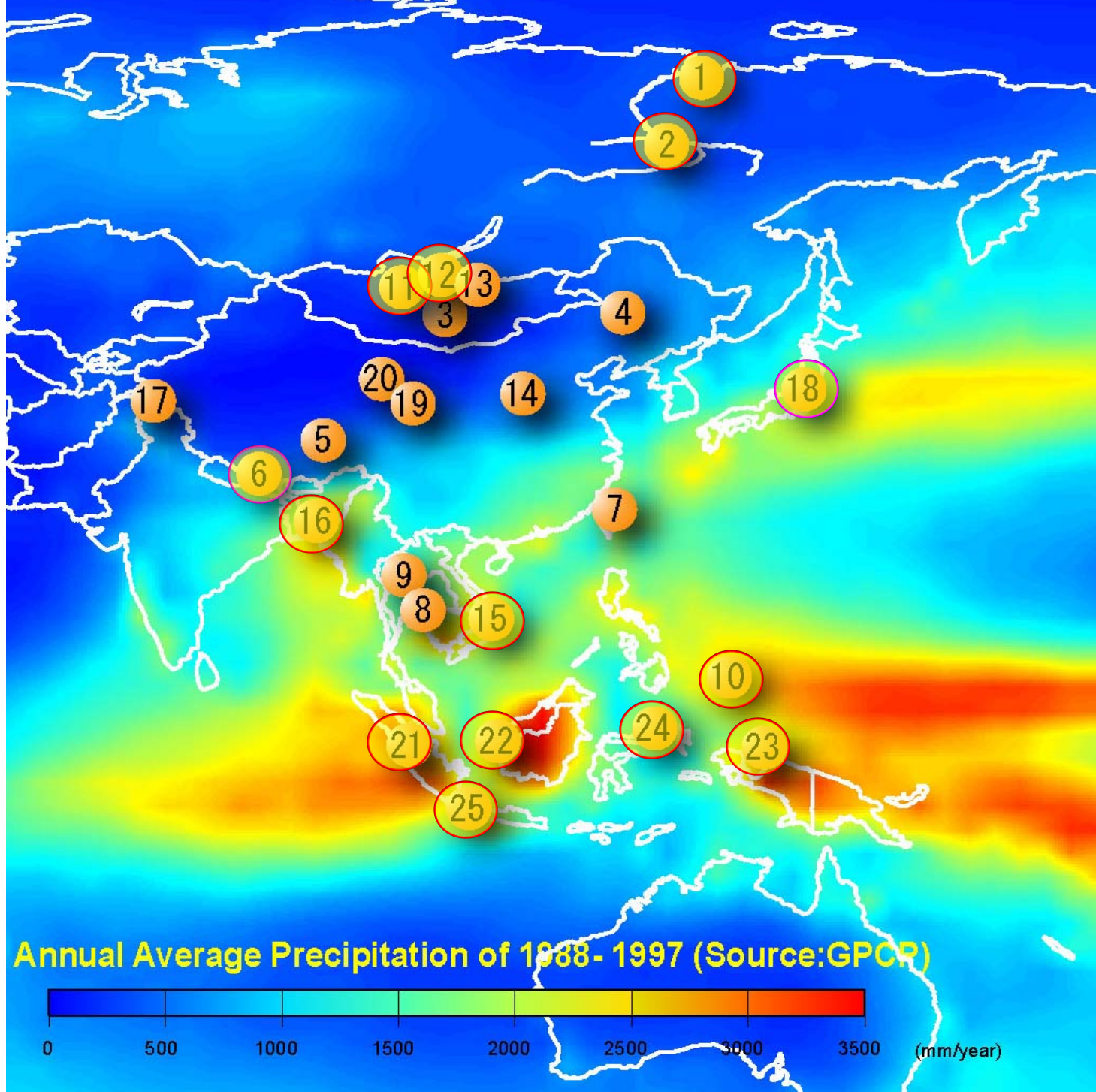
Site Manager





No.	Ref. Site Name
1	Eastern Siberian Tundra
2	Eastern Siberian Taiga
3	Mongolia
4	Tongyu
5	Tibet
6	Himalayas
7	Northern South China Sea - Southern Japan
8	Chao-Phraya River
9	North-East Thailand
10	Western Pacific Ocean
11	Mongolia Arvayheer
12	Mongolia Nalaikh
13	Northern Mongolia
14	Lower Yellow River
15	Central Vietnam
16	Northeast Bangladesh
17	Pakistan Karakorum
18	Tsukuba
19	Lanzhou
20	Heihe River Basin
21	Western Indonesia
22	Central Indonesia
23	Eastern Indonesia
24	Northern Indonesia
25	Southern Indonesia

*CEOP\_AP (Asia Pacific) Reference sites*



# CEOP Data QC-V3 Toppage

CEOP Data  
Online Visualization and Modifying System  
(CEOP-QC System)

Version 3.01c

User:

Password:

[Instruction manual for this system \(PDF\)](#)

[CEOP Data Flag Definitions](#)

完了

only the registered member can

Obs.Station-Item	Obs. Element	Year-Month	Plot
<input type="text" value="Please Select!"/> <ul style="list-style-type: none"><li>Please Select!</li><li>test_station-Tower</li><li>test_station2-Tower</li></ul>	<input type="text" value="Please Select!"/>	<input type="text" value="Please Select!"/>	<input checked="" type="radio"/> Normal Mode <input type="radio"/> Expert Mode TZ= <input type="text" value="00"/>

QC-Status (updated every 30 min) - click here to open status window

**Data Selection window**

**Reference Window**

## In-situ Data Online Visualization and Modifying System

**Data Plot window**

Version 3.01c

**Update Window**  
**Data Update window**

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CEOP QC top - Mozilla Firefox

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

http://ceop-qc.tkl.iis.u-tokyo.ac.jp/QC/CEOP.html

GEOP QC top

Obs. Station-Item	Obs. Element	Year-Month	Plot
<input type="text" value="Please Select!"/> <input type="text" value="Please Select!"/> 001:Kototabang-Surface 002:MIA-Surface	<input type="text" value="Please Select!"/>	<input type="text" value="Please Select!"/>	<input checked="" type="radio"/> Normal Mode <input type="radio"/> Expert Mode
			TZ= <input type="text" value="00"/>

QC-Status (updated every 30 min) - click here to open status window

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## In-situ Data Online Visualization and Modifying System

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Version 3.01c

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## Update Window

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## Reference Window

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完了

GEOP QC top - Mozilla Firefox

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

http://ceop-qc.tkl.iis.u-tokyo.ac.jp/QC/GEOP.html

GEOP QC top

Obs. Station-Item	Obs. Element	Year-Month	Plot
Please Select!	Please Select! Please Select! 02:Station_Pressure 03:Air_Temperature 05:Relative_Humidity 07:Wind_Speed 08:Wind_Direction 09:U_Wind_Component 10:V_Wind_Component 11:Precipitation 13:Incoming_Shortwave	Please Select!	<input checked="" type="radio"/> Normal Mode <input type="radio"/> Expert Mode TZ= 00

QC-Status (up) here to open status window

## In-situ Data Online Visualization and Modifying System

Version 3.01c

## Update Window

## Reference Window

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完了

CEOP QC top - Mozilla Firefox

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

http://ceop-qc.tkl.iis.u-tokyo.ac.jp/QC/CEOP.html

CEOP QC top

Obs.Station-Item	Obs. Element	Year-Month	Plot
Please Select!	Please Select!	Please Select!	<input checked="" type="radio"/> Normal Mode <input type="radio"/> Expert Mode

TZ = 00

QC-Status (updated every 30 min) - click here

**In-situ Data**  
**Online Visualization and Modifying System**

Version 3.01c

**Update Window**

**Reference Window**

[Eiji Ikoma](#)

完了

CEOP QC top - Mozilla Firefox

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

http://ceop-qc.tkl.iis.u-tokyo.ac.jp/QC/CEOP.html

CEOP QC top Graph QC-Status

Station( test\_station-Tower ) > Month-Date( 2007-7 )

Obs. Station-Item	Obs. Element	Year-Month
test_station-Tower	Updating Data: 08:Ld_Rnet_60M	2007-7
Reference Data: <input type="checkbox"/> 08:Ld_Rnet_60M <input type="checkbox"/> 09:Ld_CaseTR_60M		
<input type="checkbox"/> 10:Ld_DomeTR_60M <input type="checkbox"/> 11:Ld_Rnet_Avg		
<input type="checkbox"/> 12:Ld_CaseTR_Avg <input type="checkbox"/> 13:Ld_DomeTR_Avg		
<input type="checkbox"/> 14:Lu_Rnet_60M <input type="checkbox"/> 15:Lu_CaseTR_60M		
<input type="checkbox"/> 16:Lu_DomeTR_60M <input type="checkbox"/> 17:Lu_Rnet_Avg		

Plot

Normal Mode

Expert Mode

**Reference Window**

**Reference Data Selection**

**Quality Control Objective data selection**

**In-situ Data**

**Online Visualization and Modifying System**

Version 3.01c

[Eiji Ikoma](#)

**Update Window**

完了

CEOP QC top - 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)

http://ceop-qc.tk.iis.u-tokyo.ac.jp/QC/CEOP.html

GEOP QC top

Year-Month( 2007-7 ) >

Obs.Station-Item	Obs. Element	Year-Month
test_station-Tower	Updating Data: 08:Ld_Rnet_60M	2007-7
	Reference Data: <input type="checkbox"/> 08:Ld_Rnet_60M <input type="checkbox"/> 09:Ld_CaseTR_60M <input type="checkbox"/> 10:Ld_DomeTR_60M <input checked="" type="checkbox"/> 11:Ld_Rnet_Avg <input checked="" type="checkbox"/> 12:Ld_CaseTR_Avg <input checked="" type="checkbox"/> 13:Ld_DomeTR_Avg <input type="checkbox"/> 14:Lu_Rnet_60M <input type="checkbox"/> 15:Lu_CaseTR_60M <input type="checkbox"/> 16:Lu_DomeTR_60M	

Plot

Normal Mode

Expert Mode

UID=test

11:Ld\_Rnet\_Avg fill

01 09 17 25 Date (TZ=00:00)

12:Ld\_CaseTR\_Avg fill

01 09 17 25 Date (TZ=00:00)

13:Ld\_DomeTR\_Avg fill

01 09 17 25 Date (TZ=00:00)

Y-Axis:  Real  Normalized(MaxMin)

Overlay

Number of each Flags

test\_station Tower 08:Ld\_Rnet\_60M 2007-7

01 03 06 09 11 14 17 19 22 25 27 30 Date

[B] and [M] flagged data is not displayed on this graph.

From: Year-Month Day Hour Minute Flag

To: 2007-07 31 23 59 Flag= U

Change to Flag= G Update (TZ=00:00)

QC Objective data

Data Plot

Refernce data

Flag Update Window



CEOP QC top - Mozilla Firefox

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

http://ceop-qc.tkl.iis.u-tokyo.ac.jp/QC/CEOP.html

CEOP QC top

Year-Month( 2007-7 )>

Obs. Station-Item	Obs. Element	Year-Month
test_station-Tower	Updating Data: 08:Ld_Rnet_60M	2007-7
	Reference Data: <input type="checkbox"/> 08:Ld_Rnet_60M <input type="checkbox"/>	
	09:Ld_CaseTR_60M <input type="checkbox"/> 10:Ld_DomeTR_60M	
	<input checked="" type="checkbox"/> 11:Ld_Rnet_Avg <input checked="" type="checkbox"/> 12:Ld_CaseTR_Avg <input checked="" type="checkbox"/>	
	13:Ld_DomeTR_Avg <input type="checkbox"/> 14:Lu_Rnet_60M <input type="checkbox"/>	
	15:Lu_CaseTR_60M <input type="checkbox"/> 16:Lu_DomeTR_60M	

Plot

Normal Mode

Expert Mode

G(0) I(0) D(0) B(0) C(0) M(0) U(744)

test\_station Tower 08:Ld\_Rnet\_60M 2007-7

Value

Date

[B] and [M] flagged data is not displayed on this graph.

Update the Flag

	Year-Month	Day	Hour	Minute	Flag
From:	2007-07	01	00	00	U
To:		10	23	59	G

Change to

Flag= G

Update (Tz=00:00)

UID=test

11:Ld\_Rnet\_Avg

12:Ld\_CaseTR\_Avg

13:Ld\_DomeTR\_Avg

W-Axis  Real  Normalized(MaxMin)

Overlay

Done

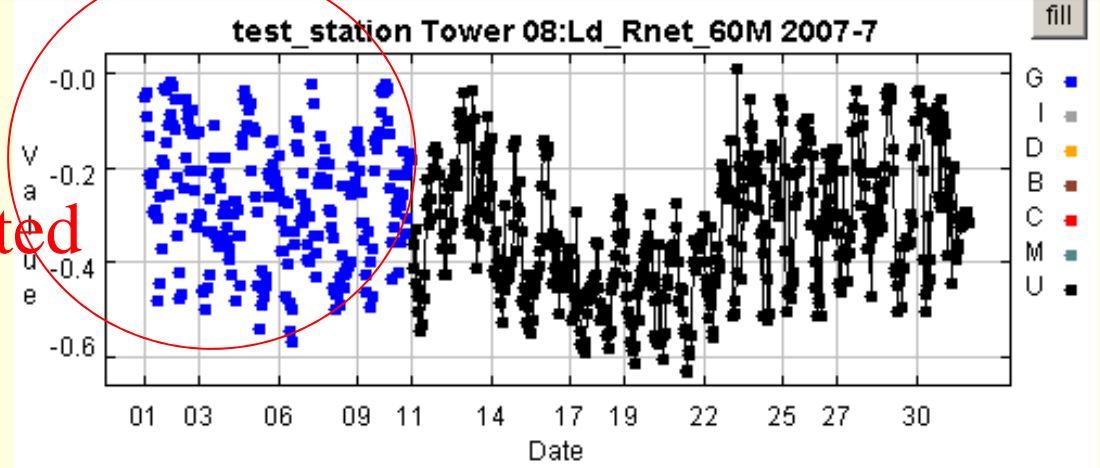
- G: Good**
- I : Interpolated**
- D: Dubious/Questionable**
- B: Bad**
- C: Abnormal value**
- M: Missing**
- U: Unchecked**

Year-Month(2007-7) >

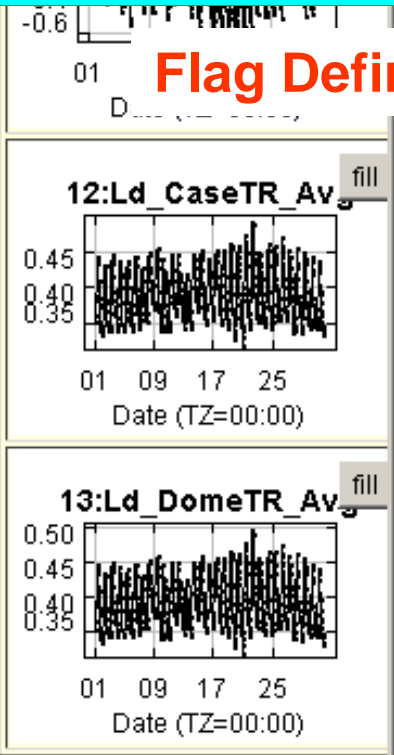
Obs. Station-Item	Obs. Element	Year-Month	Plot
test_station-Tower	Updating Data: 08:Ld_Rnet_60M	2007-7	<input type="button" value="Plot"/>
	Reference Data: <input type="checkbox"/> 08:Ld_Rnet_60M <input type="checkbox"/>		<input type="radio"/> Normal Mode
	09:Ld_CaseTR_60M <input type="checkbox"/> 10:Ld_DomeTR_60M		<input type="radio"/> Expert Mode
	<input checked="" type="checkbox"/> 11:Ld_Rnet_Avg <input checked="" type="checkbox"/> 12:Ld_CaseTR_Avg <input checked="" type="checkbox"/>		
	13:Ld_DomeTR_Avg <input type="checkbox"/> 14:Lu_Rnet_60M <input type="checkbox"/>		
	15:Lu_CaseTR_60M <input type="checkbox"/> 16:Lu_DomeTR_60M		

Number of each Flags

G(240) I(0) D(0) B(0) C(0) M(0) U(504)



[B] and [M] flagged data is not displayed on this graph.



Flag Definitions

Flag Updated data

	Year-Month	Day	Hour	Minute	Flag	Change to	
From:	2007-07	01	00	00	Flag= U	Flag= G	<input type="button" value="Update"/>
To:		10	23	59			(Tz=00:00)

Y-Axis:  Real  Normalized(MaxMin)

CEOP QC top - 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)

http://ceop-qc.tkl.iis.u-tokyo.ac.jp/QC/CEOP.html

CEOP QC top

[Year-Month\( 2007-7 \) >](#)

Obs. Station-Item	Obs. Element	Year-Month
test_station-Tower	Updating Data: 08:Ld_Rnet_60M	2007-7
Reference Data: <input type="checkbox"/> 08:Ld_Rnet_60M <input type="checkbox"/>		
09:Ld_CaseTR_60M <input type="checkbox"/> 10:Ld_DomeTR_60M		
<input checked="" type="checkbox"/> 11:Ld_Rnet_Avg <input checked="" type="checkbox"/> 12:Ld_CaseTR_Avg		
13:Ld_DomeTR_Avg <input type="checkbox"/> 14:Lu_Rnet_60M <input type="checkbox"/>		
15:Lu_CaseTR_60M <input type="checkbox"/> 16:Lu_DomeTR_60M		

Plot

Normal Mode

Expert Mode

G( 240 ) I( 0 ) D( 0 ) B( 0 ) C( 0 ) M( 0 ) U( 504 )

test\_station Tower 08:Ld\_Rnet\_60M 2007-7

Value

Date

fill

Y-axis:  Real  Normalized(MaxMin)

Overlay

	Year-Month	Day	Hour	Minute	Flag
From:	2007-07	01	00	00	Flag= U
To:		10	23	59	Flag= G

Change to

Update (Tz=00:00)

Done

Click on the point

[B] and [M] flagged data is not displayed on this graph.

CEOP QC top - Mozilla Firefox

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

http://ceop-qc.tkl.iis.u-tokyo.ac.jp/QC/CEOP.html

CEOP QC top

Year-Month( 2007-7 ) >

Obs. Station-Item	Obs. Element	Year-Month
test_station-Tow	<input type="checkbox"/> 60M <input type="checkbox"/> DomeTR_60M <input checked="" type="checkbox"/> CaseTR_Avg <input type="checkbox"/> Rnet_60M <input type="checkbox"/> DomeTR_60M	2007-7

Plot

Normal Mode

Expert Mode

edit Data dialog

Flag: C

Value: -0.021

OK Cancel

G( 240 ) I( 0 ) D( 0 ) B( 0 ) C( 0 ) M( 0 ) U( 504 )

test\_station Tower 08:Ld\_Rnet\_60M 2007-7

Value

Date

fill

[B] and [M] flagged data is not displayed on this graph.

Year-Month	Day	Hour	Minute	Flag
From: 2007-07	01	00	00	Flag= U
To: 2007-07	10	23	59	Flag= G

Change to

Update (Tz=00:00)

Y-Axis:  Real  Normalized(MaxMin)

Overlay

Done

GEOP QC top - Mozilla Firefox

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

http://ceop-qc.tkl.iis.u-tokyo.ac.jp/QC/GEOP.html

GEOP QC top

Year-Month( 2007-7 ) >

Obs. Station-Item	Obs. Element	Year-Month
test_station-Tower	Updating Data: 08:Ld_Rnet_60M	2007-7
Reference Data: <input type="checkbox"/> 08:Ld_Rnet_60M <input type="checkbox"/>		
09:Ld_CaseTR_60M <input type="checkbox"/> 10:Ld_DomeTR_60M		
<input checked="" type="checkbox"/> 11:Ld_Rnet_Avg <input checked="" type="checkbox"/> 12:Ld_CaseTR_Avg <input checked="" type="checkbox"/>		
13:Ld_DomeTR_Avg <input type="checkbox"/> 14:Lu_Rnet_60M <input type="checkbox"/>		
15:Lu_CaseTR_60M <input type="checkbox"/> 16:Lu_DomeTR_60M		

Plot

Normal Mode

Expert Mode

G(240) I(0) D(0) B(0) C(0) M(0) U(504)

test\_station Tower 08:Ld\_Rnet\_60M 2007-7

Value

Date

[B] and [M] flagged data is not displayed on this graph.

	Year-Month	Day	Hour	Minute	Flag
From:	2007-07	01	00	00	Flag= U
To:		10	23	59	Flag= G

Change to

Update (Tz=00:00)

UID=test

11:Ld\_Rnet\_Avg

12:Ld\_CaseTR\_Avg

13:Ld\_DomeTR\_Avg

Y-Axis:  Real  Normalized(MaxMin)

Overlay

Done

Updating  
Data

CEOP QC top - Mozilla Firefox

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

http://ceop-qc.tkl.iis.u-tokyo.ac.jp/QC/GEOP.html

CEOP QC top

Year-Month( 2007-7 ) >

Obs.Station-Item	Obs. Element	Year-Month
test_station-Tower	Updating Data: 08:Ld_Rnet_60M	2007-7
	Reference Data: <input type="checkbox"/> 08:Ld_Rnet_60M <input type="checkbox"/> 09:Ld_CaseTR_60M <input type="checkbox"/> 10:Ld_DomeTR_60M <input checked="" type="checkbox"/> 11:Ld_Rnet_Avg <input checked="" type="checkbox"/> 12:Ld_CaseTR_Avg <input checked="" type="checkbox"/> 13:Ld_DomeTR_Avg <input type="checkbox"/> 14:Lu_Rnet_60M <input type="checkbox"/> 15:Lu_CaseTR_60M <input type="checkbox"/> 16:Lu_DomeTR_60M	

Plot

Normal Mode

Expert Mode

G(239) I(0) D(0) B(0) **C(1)** M(0) U(504)

test\_station Tower 08:Ld\_Rnet\_60M 2007-7

Value

Date

Legend: G (blue square), I (grey square), D (yellow square), B (orange square), C (red square), M (green square), U (black square)

[B] and [M] flagged data is not displayed on this graph.

From: Year-Month: 2007-07, Day: 01, Hour: 00, Minute: 00, Flag: U

To: Year-Month: 2007-07, Day: 10, Hour: 23, Minute: 59, Flag: G

Change to: Flag= G

Update (Tz=00:00)

UID=test

11:Ld\_Rnet\_Avg

12:Ld\_CaseTR\_Avg

13:Ld\_DomeTR\_Avg

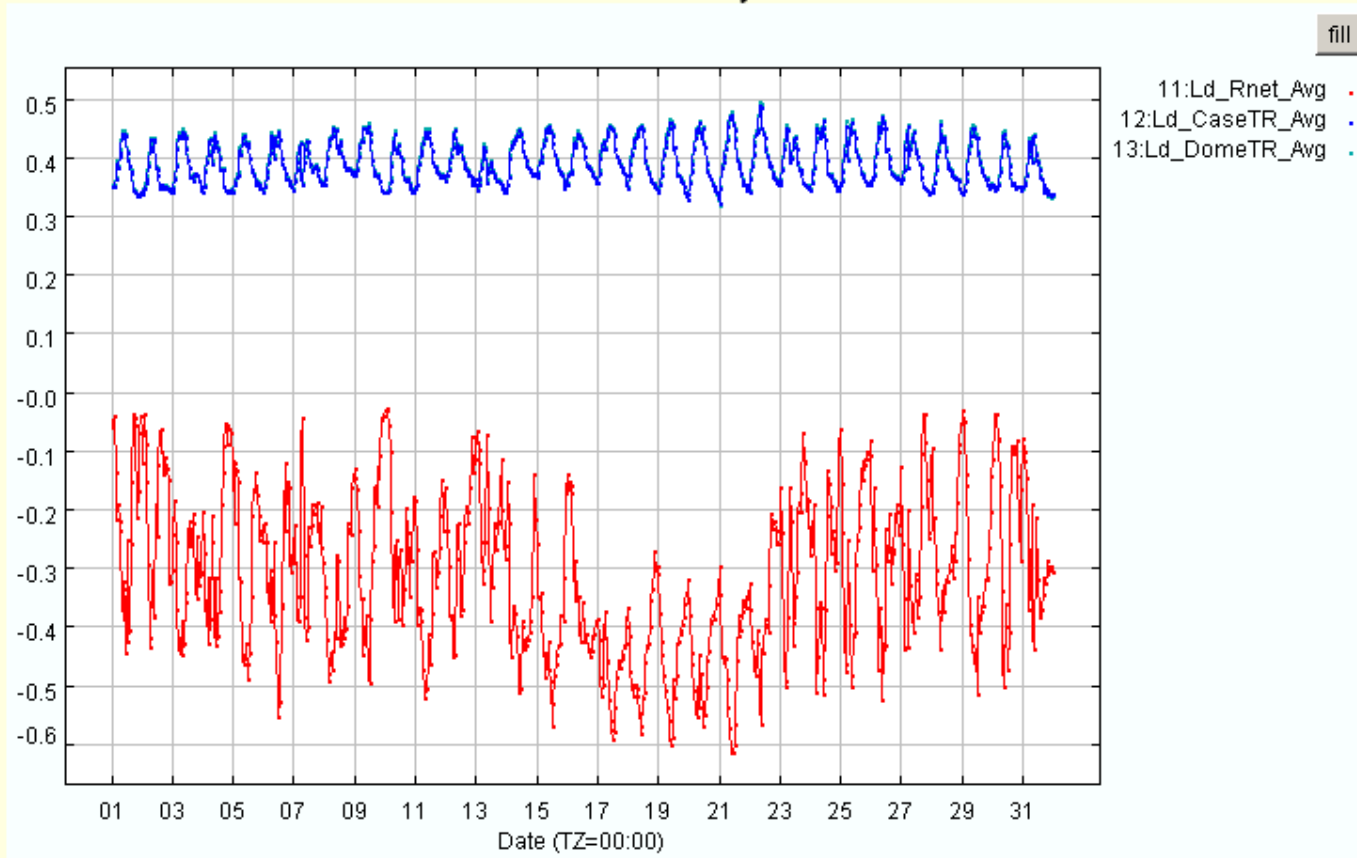
Y-Axis:  Real  Normalized(MaxMin)

Overlay

Done

Updated Data

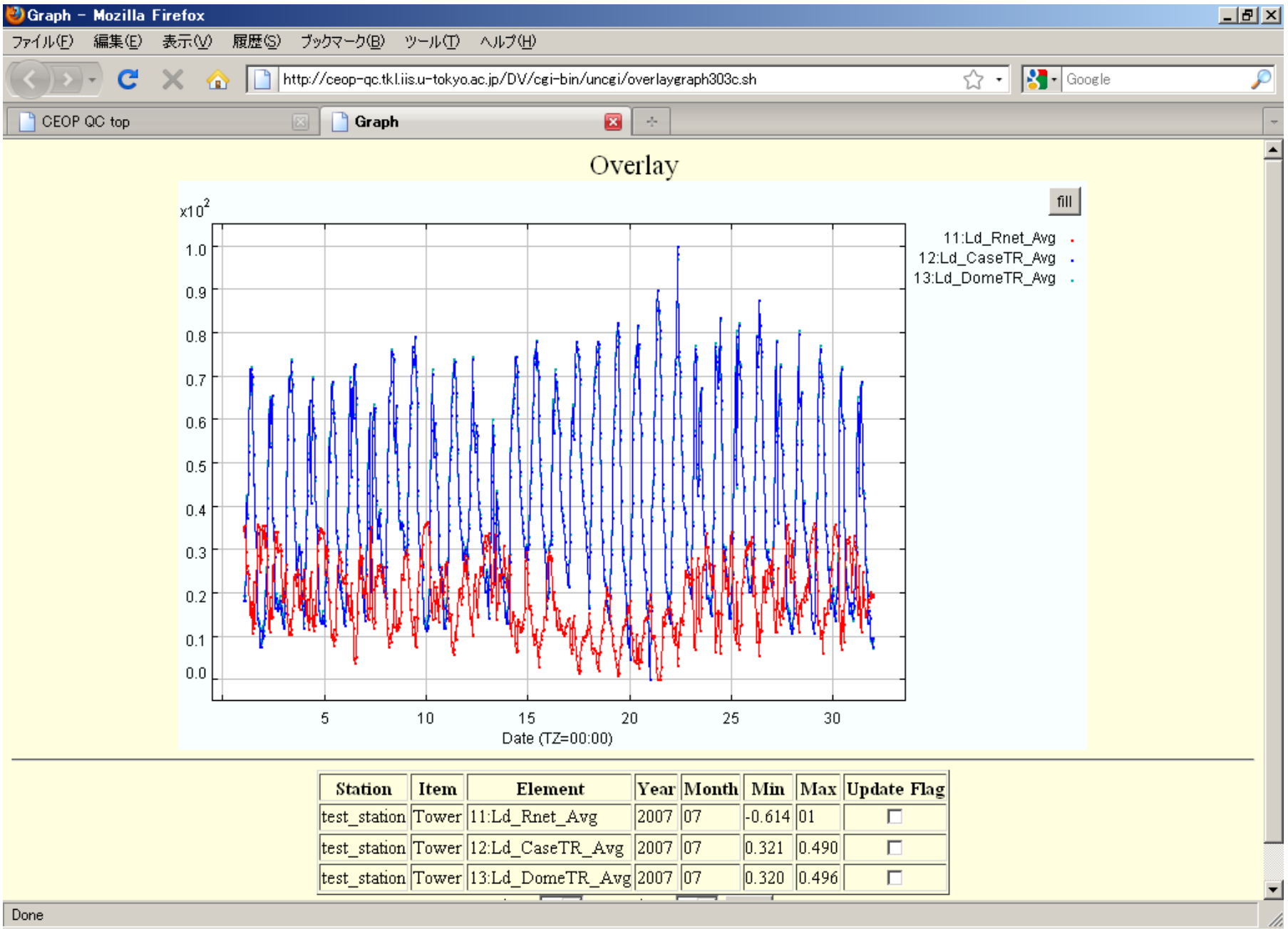
### Overlay



Station	Item	Element	Year	Month	Min	Max	Update Flag
test_station	Tower	11:Ld_Rnet_Avg	2007	07			<input type="checkbox"/>
test_station	Tower	12:Ld_CaseTR_Avg	2007	07			<input type="checkbox"/>
test_station	Tower	13:Ld_DomeTR_Avg	2007	07			<input type="checkbox"/>

Flag= U ----> Flag= G sub

Update all data on this graph



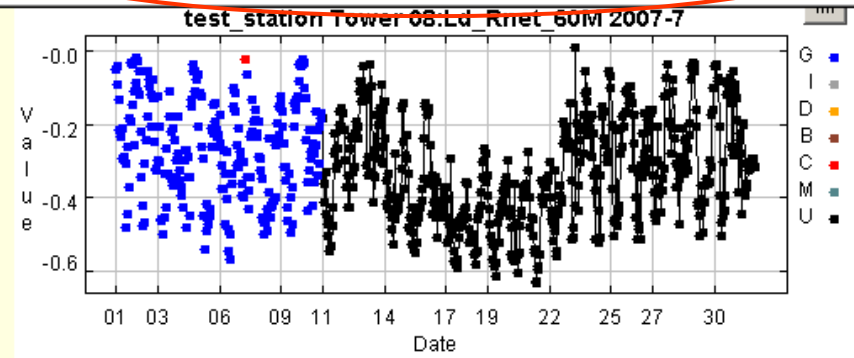
Normalized (Y-Axis)





- NoNumber45:Humidity2\_60M
- NoNumber53:Soil\_Water1
- NoNumber54:Soil\_Water2
- NoNumber55:Soil\_Water3
- NoNumber56:Air\_Pressure
- NoNumber58:Snow\_Depth
- NoNumber60:PTemp\_Avg
- NoNumber63:SurfaceT\_60M
- NoNumber64:SurfaceTR\_60M
- NoNumber65:SurfaceTR\_Avg

QC-Status (updated every 30 min) - click here to open status window

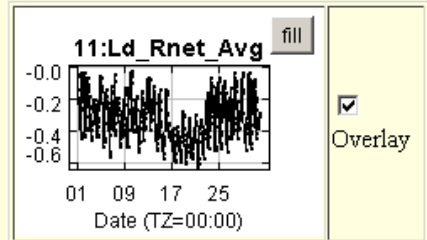


[E] and [M] flagged data is not displayed on this graph.

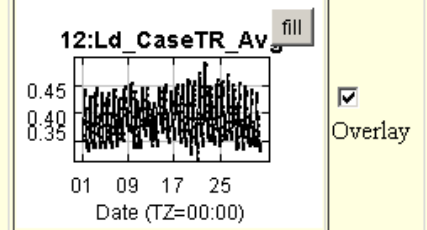
- [Download\(Without flag\)](#) (GAME-AAN)
- [Download\(With flag\)](#) (GAME-AAN)
- [Download All\(zip-compressed, without flag\)](#) (GAME-AAN)
- [Download All\(zip-compressed, with flag\)](#) (GAME-AAN)

	Year-Month	Day	Hour	Minute	Flag	
From:	2007-07	01	00	00	Flag= U	Change to Flag= G
To:		10	23	59		
						<input type="button" value="Update"/> (Tz=00:00)

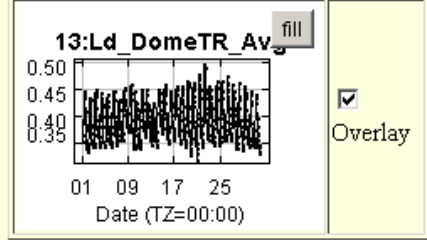
UID=test



Overlay



Overlay



Overlay

Y-Axis:  Real  Normalized(MaxMin)

# QC-Status of each site

QC-Status - 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)

http://ceop-qc.tk.iis.u-tokyo.ac.jp/DV/cgi-bin/uncgi/qc-status-302c.sh

CEOP QC top Graph QC-Status

[test](#) (2007/1-2007/12) 1 stations  
as of 2009/Aug/20 14:19

site	station	G	I	D	B	C	M	U	total	%	
test_site	<a href="#">test_station</a>	605	0	0	122	0	384	103979	104706	0 %	

on CEOP-QC Ver.3 System

---

test test\_station (2007/1-2007/12) 62 elements  
as of 2009/Aug/20 14:21

site	station	element	G	I	D	B	C	M	U	total	%	
test_site	test_station	08:Ld_Rnet_60M	605	0	0	0	0	1090	1695	35 %		
test_site	test_station	09:Ld_CaseTR_60M	0	0	0	0	0	1695	1695	0 %		
test_site	test_station	10:Ld_DomeTR_60M	0	0	0	0	0	1695	1695	0 %		
test_site	test_station	11:Ld_Rnet_Avg	0	0	0	0	2	1693	1693	0 %		
test_site	test_station	12:Ld_CaseTR_Avg	0	0	0	0	0	1695	1695	0 %		
test_site	test_station	13:Ld_DomeTR_Avg	0	0	0	0	0	1695	1695	0 %		
test_site	test_station	14:Lu_Rnet_60M	0	0	0	120	0	1575	1695	7 %		
test_site	test_station	15:Lu_CaseTR_60M	0	0	0	0	0	1695	1695	0 %		
test_site	test_station	16:Lu_DomeTR_60M	0	0	0	0	0	1695	1695	0 %		
test_site	test_station	17:Lu_Rnet_Avg	0	0	0	0	2	1693	1693	0 %		
test_site	test_station	18:Lu_CaseTR_Avg	0	0	0	1	0	1694	1695	0 %		
test_site	test_station	19:Lu_DomeTR_Avg	0	0	0	0	0	1695	1695	0 %		
test_site	test_station	20:Soil_Heat1_60M	0	0	0	0	0	1695	1695	0 %		

完了

# Status Report for Administrator(all sites)

Score-Frame - Mozilla Firefox

http://ceop-qc.tkl.iis.u-tokyo.ac.jp/DV/CEOP/score/score-all-ceop.html

Admin Upload Statu... http://...199+1n Upload Statu... Upload Statu... Upload Statu... (無題) Score-Frame Score-...

**CEOP (2007/1-2007/12) 5 sites**

as of 2009/Aug/20 14:17 (update every 30 min.)

site	G	I	D	B	C	M	U	total	%
<a href="#">Eastern Siberian Taiga</a>	645568	0	15224	11	0	4919	0	660803	100 %
<a href="#">Eastern Siberian Tundra</a>	312399	0	2735	55	0	135	0	315189	100 %
<a href="#">Western Indonesia</a>	0	0	17930	0	0	32919	211951	229881	7 %
<a href="#">Western Pacific Ocean</a>	0	0	0	0	0	8808	113825	113825	0 %
<a href="#">test site</a>	605	0	0	122	0	384	103979	104706	0 %
site	G	I	D	B	C	M	U	total	%

on CEOP-QC Ver.3 System

**Western Indonesia (2007/1-2007/12) 2 stations**

as of 2009/Aug/20 14:19

site	station	G	I	D	B	C	M	U	total	%
Western Indonesia	<a href="#">001:Kototabang</a>	0	0	0	0	32543	90097	90097	0 %	
Western Indonesia	<a href="#">002:MLA</a>	0	0	17930	0	376	121854	139784	12 %	
site	station	G	I	D	B	C	M	U	total	%

on CEOP-QC Ver.3 System

## Western Indonesia Kototabang (2007/1-2007/12) 7 elements

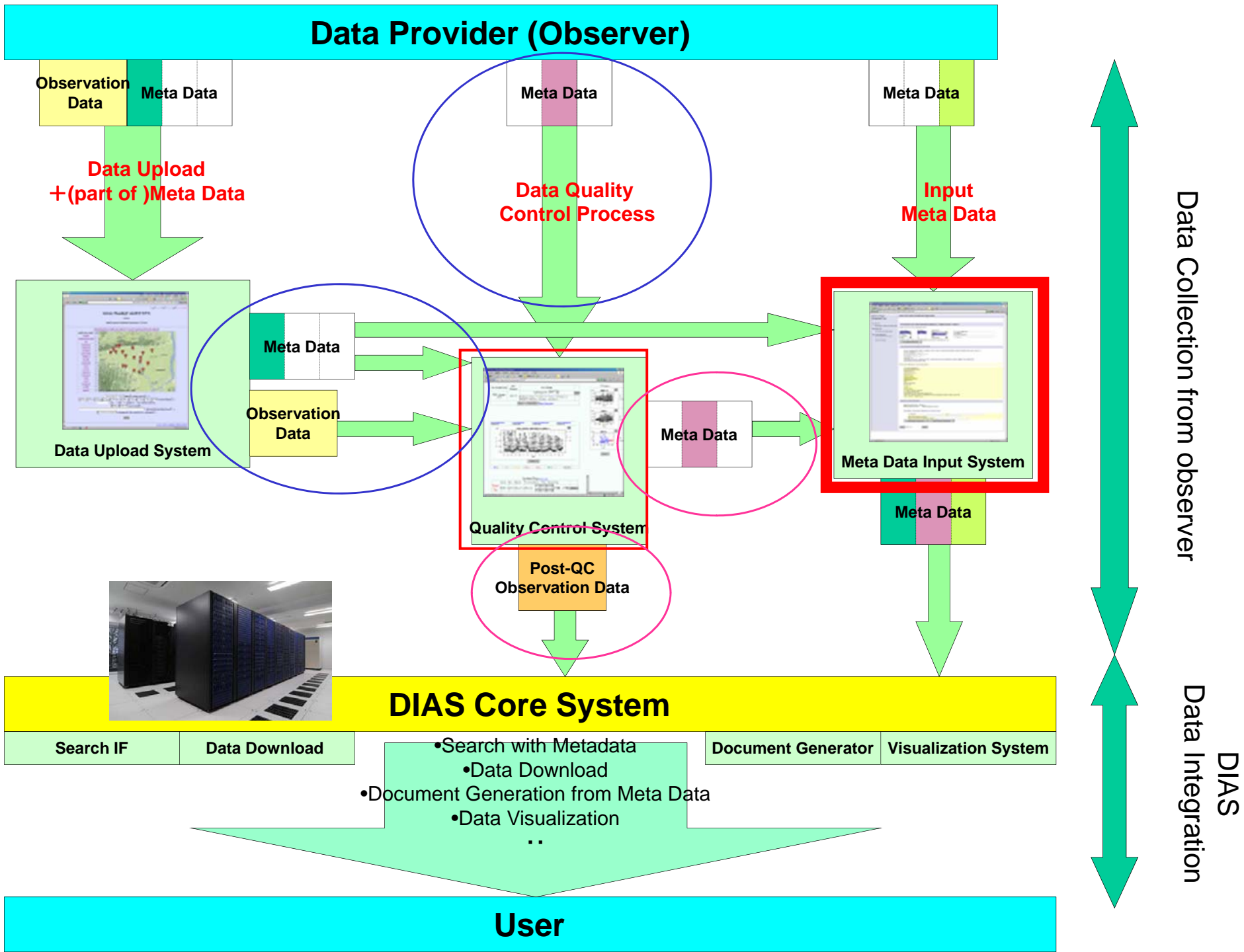
as of 2009/Aug/20 14:21

site	station	element	G	I	D	B	C	M	U	total	%
Western Indonesia	001:Kototabang	02:Station_Pressure	0	0	0	0	4647	12873	12873	0 %	
Western Indonesia	001:Kototabang	03:Air_Temperature	0	0	0	0	4647	12873	12873	0 %	
Western Indonesia	001:Kototabang	05:Relative_Humidity	0	0	0	0	4647	12873	12873	0 %	
Western Indonesia	001:Kototabang	07:Wind_Speed	0	0	0	0	4654	12866	12866	0 %	
Western Indonesia	001:Kototabang	08:Wind_Direction	0	0	0	0	4654	12866	12866	0 %	
Western Indonesia	001:Kototabang	11:Precipitation	0	0	0	0	4647	12873	12873	0 %	
Western Indonesia	001:Kototabang	13:Incoming_Shortwave	0	0	0	0	4647	12873	12873	0 %	
site	station	element	G	I	D	B	C	M	U	total	%

on CEOP-QC Ver.3 System

完了

# CEOP Observation Data Management System



# Observation Data Metadata Registration System

Hiroko Kinutani, Eiji Ikoma,

Katsunori Tamagawa

Tetsu Ohta, Toshio Koike

Masaru Kitsuregawa

# Metadata Input System

- Observers can input metadata information related to observation data on Web Interface.
- This metadata is defined as an extension of ISO19115, ISO19139 metadata standards.
- The operation on this system is much easier than other similar system.

# Top Page

**AWCI River Basin Management Tools**

**Contact Information**  
Update Contact Information

**RiverBasin Information**  
River Basin Information Input

**Observation Metadata**  
Observation Metadata Input (1st time)  
Observation Metadata Input

**Related Information**  
Related Information Input

**Document Generation**  
Dataset Documentation  
Sample Document

**User Logout**  
logout  
[return to Top page](#)

**AWCI Metadata Management Home**

Welcome to the AWCI Metadata Management Sites!

- Data Integration and Analysis System (DIAS)
- Global Earth Observation System of Systems / Asian Water Cycle Initiative

[Metadata management Top Page](#)

## Input Menu

- Contact Info.
- River Basin Description
- River Basin Observation metadata



# Contact Info. Input

The screenshot displays a web browser window titled "AWCI River Basin Metadata Management Tools - DIAS Contact Information Management ver.0.4". The browser address bar shows the URL "http://ofsaki.tkl.iis.u-tokyo.ac.jp:8080/metadata/rb-MDinputL/". The page content is divided into a left sidebar and a main form area.

**Left Sidebar:**

- AWCI River Basin Management Tools
- Contact info
  - River Basin Contact Information Input
- RiverBasin info
  - River Basin Information Input
- Observation Metadata
  - Observation Metadata Input
- return to Top page

**Main Form Area:**

**DIAS Contact Information Management ver.0.4**

**Contact Organization or Person Information**

Individual Name:

Organisation Name:

Position Name:

Telephone(Voice):

Telephone(Facsimile):

**Address :**

Delivery Point:

City:

Administrative Area:

Postal Code:

Country:

E-Mail Address:

Online Resource (Your Web Page URL):

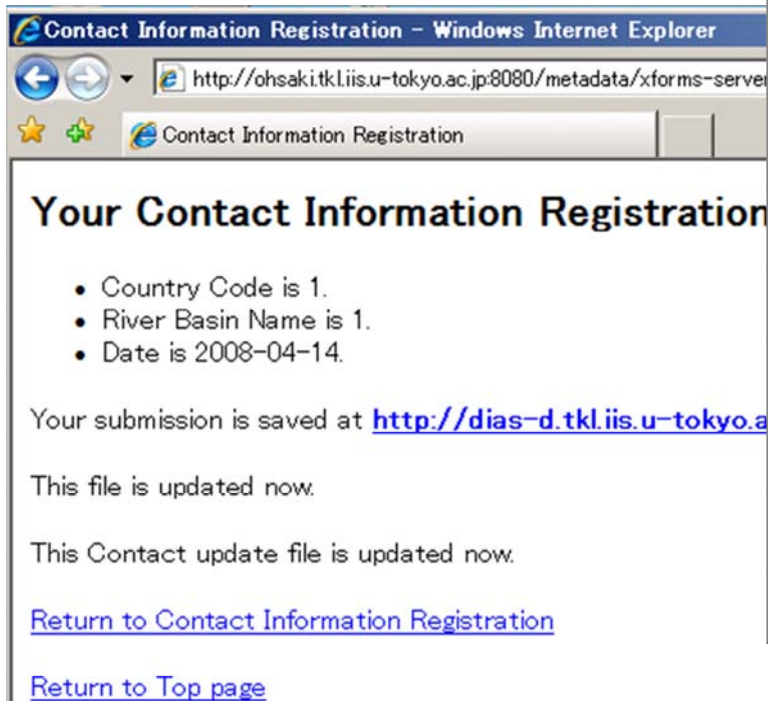
**Your Role**

Your Role:

- Contact Info. is often required to input.
- Name, Address, etc.
- Once input, Use many times

# Contact Info. submit

- Can view metadata as XML



Contact Information Registration - Windows Internet Explorer

http://ohsaki.tkl.iis.u-tokyo.ac.jp:8080/metadata/xforms-server

## Your Contact Information Registration

- Country Code is 1.
- River Basin Name is 1.
- Date is 2008-04-14.

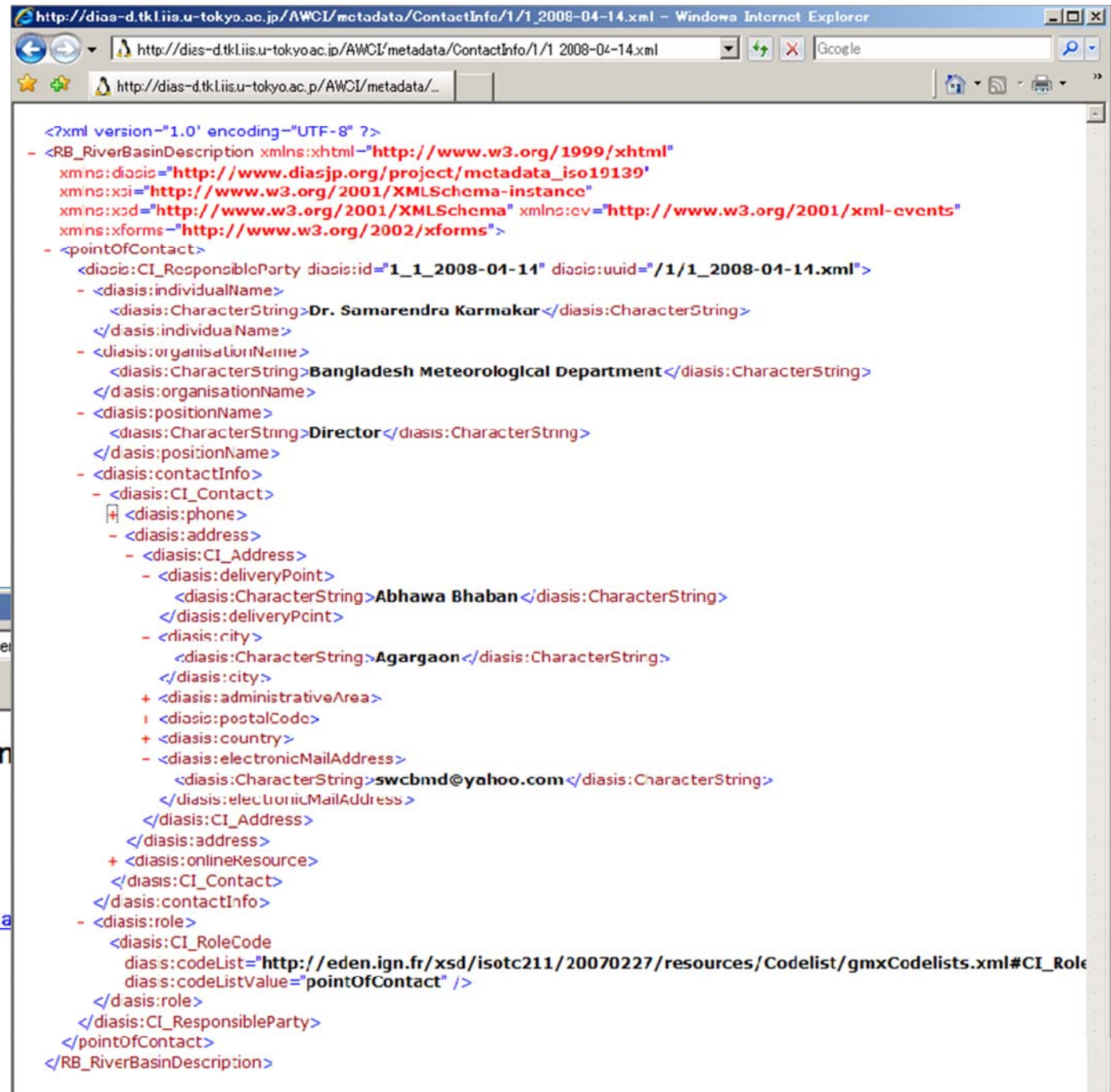
Your submission is saved at <http://dias-d.tkl.iis.u-tokyo.a>

This file is updated now.

This Contact update file is updated now.

[Return to Contact Information Registration](#)

[Return to Top page](#)



http://dias-d.tkl.iis.u-tokyo.ac.jp/AWCI/metadata/ContactInfo/1/1\_2008-04-14.xml - Windows Internet Explorer

http://dias-d.tkl.iis.u-tokyo.ac.jp/AWCI/metadata/ContactInfo/1/1\_2008-04-14.xml

```
<?xml version="1.0" encoding="UTF-8" ?>
- <RB_RiverBasinDescription xmlns:xhtml="http://www.w3.org/1999/xhtml"
  xmlns:diasis="http://www.diasjp.org/project/metadata_iso19139"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:ev="http://www.w3.org/2001/xml-events"
  xmlns:xforms="http://www.w3.org/2002/xforms">
- <pointOfContact>
  <diasis:CI_ResponsibleParty diasis:id="1_1_2008-04-14" diasis:uuid="/1/1_2008-04-14.xml">
  - <diasis:individualName>
    <diasis:CharacterString>Dr. Samarendra Karmakar</diasis:CharacterString>
  </diasis:individualName>
  - <diasis:organisationName>
    <diasis:CharacterString>Bangladesh Meteorological Department</diasis:CharacterString>
  </diasis:organisationName>
  - <diasis:positionName>
    <diasis:CharacterString>Director</diasis:CharacterString>
  </diasis:positionName>
  - <diasis:contactInfo>
  - <diasis:CI_Contact>
    <diasis:phone>
  - <diasis:address>
    - <diasis:CI_Address>
      - <diasis:deliveryPoint>
        <diasis:CharacterString>Abhawa Bhaban</diasis:CharacterString>
      </diasis:deliveryPoint>
      - <diasis:city>
        <diasis:CharacterString>Agargaon</diasis:CharacterString>
      </diasis:city>
      + <diasis:administrativeArea>
      + <diasis:postalCode>
      + <diasis:country>
      - <diasis:electronicMailAddress>
        <diasis:CharacterString>swcbmd@yahoo.com</diasis:CharacterString>
      </diasis:electronicMailAddress>
      </diasis:CI_Address>
      </diasis:address>
      + <diasis:onlineResource>
      </diasis:CI_Contact>
    </diasis:contactInfo>
  - <diasis:role>
    <diasis:CI_RoleCode
      diasis:codeList="http://eden.ign.fr/xsd/isotc211/20070227/resources/Codelist/gmxCodelists.xml#CI_RoleCode"
      diasis:codeListValue="pointOfContact" />
    </diasis:role>
  </diasis:CI_ResponsibleParty>
  </pointOfContact>
</RB_RiverBasinDescription>
```

# Observation metadata input(automatically)

## AWCI River Basin Management Tools

- Contact Information
  - Update Contact Information
- RiverBasin Information
  - River Basin Information Input
- Observation Metadata
  - Observation Metadata Input (1st time)**
  - Observation Metadata Input
- Related Information
  - Related Information Input
- Document Generation
  - Dataset Documentation
  - Sample Document
- User Logout
  - logout
  - return to Top page

## AWCI Observation Data Metadata Registration

### River Basin Observation Metadata Registration / Update 2008-09-05 (Page.1)

Please select your Country, Riverbasin, Observation Point.

In this page, you will be able to register or update your Metadata about Observation Data for River Basin Metadata Management.  
You are logged in as 99\_Japan-Tama.

Your Country :  RiverBasin :  StationName :

### Observation Metadata Identification Information

Links to "RiverBasinDescription" : [http://dias-d.tkl.iis.u-tokyo.ac.jp/AWCI/metadata/Description/99/RiverBasinDescription\\_basic.xml](http://dias-d.tkl.iis.u-tokyo.ac.jp/AWCI/metadata/Description/99/RiverBasinDescription_basic.xml)  
dias:OD\_Metadata id : idvalue0  
dias:OD\_Metadata uuid :  
File Identifier :  
Language : eng  
Character Set Code List : [http://www.iso211.org/2005/resources/Codelist/gmxCodelists.xml#MD\\_CharacterSetCode](http://www.iso211.org/2005/resources/Codelist/gmxCodelists.xml#MD_CharacterSetCode)  
Character Set Code List Value : utf8

[http://dias-d.tkl.iis.u-tokyo.ac.jp/AWCI/metadata/ContactInfo/99/ContactInfo\\_basic.xml](http://dias-d.tkl.iis.u-tokyo.ac.jp/AWCI/metadata/ContactInfo/99/ContactInfo_basic.xml)

### Observation Metadata Contact Information

CL\_ResponsibleParty id :  
CL\_ResponsibleParty uuid :  
Individual Name :  
Organisation Name :  
Position Name :  
Telephone(Voice)  
Telephone(Facsimile) :  
Delivery Point  
City :  
Administrative Area :  
Postal Code :  
Country :  
E-mail Address  
CL\_Online Resource ididvalue5  
CL\_Online Resource uuid  
Online Resource URL : <http://www.example.org>  
Code List : <http://www.iso211.org/2005/resources/C>

**You can input Observation Data Metadata.**

- Your inputted metadata using **data upload system can be loaded** here
- **Default** Contact Info. , Longitude , Latitude can be loaded **automatically**.

# Observation metadata input(manually)

In this area, you will input about observation item.

**Usage History**

Currently, you may not to fill this information.

**Detail Description of the observed data**

**Observation Data Information**

observation id :

radiation  
temperature  
humidity  
wind  
barometric pressure  
evaporation  
precipitation  
soil moisture  
groundwater  
water content of plant  
rivers and lakes  
water quality  
The upper atmosphere  
The lower atmosphere  
fog  
cloud amount  
cloud base  
visibility  
carbon dioxide  
oxygen

Observation item Category :   Category : Air Temperature

air temperature  
**soil temperature / earth temperature**  
soil temperature  
earth temperature  
surface temperature  
water temperature  
clinical temperature  
sensible temperature

Observation item Parameter :   Parameter :

Air Temperature

stem thermometer  
enclosed scale type thermometer  
double glass tube thermometer  
Rutherford type maximum and minimum thermometer  
Fuess type maximum and minimum thermometer  
bimetal thermometer  
bimetallic thermograph  
platinum resistance thermometer  
thermistor thermometer  
thermocouple thermometer  
quartz thermometer  
ultra-sonic thermometer

Observation item Instrument :   instrument parameter :

Select Observation Data Category & Parameter.

River Basin Observation Information Registration - Windows Internet Explorer

http://ohsaki.tkl.iis.u-tokyo.ac.jp-8080/metadata/xforms

Google

ファイル(F) 編集(E) 表示(V) お気に入り(A) ツール(T) ヘルプ(H)

River Basin Observation Information Registration

### Your River Basin Observation Information Registration submission

- Country Code is 1.
- River Basin Name is 1.
- River Name is 1.
- Station Code is 1.
- Date is from 2003-03-01 to 2005-08-25.

Your submission is saved at [http://dias-d.tkl.iis.u-tokyo.ac.jp/AWCI/metadata/Observation/1/1\\_1\\_1\\_20030301-20050825.xml](http://dias-d.tkl.iis.u-tokyo.ac.jp/AWCI/metadata/Observation/1/1_1_1_20030301-20050825.xml)

[Return to Observation Information Registration](#)

[Return to Top page](#)

# Metadata Access

When the input process is finished, the metadata XML file is stored at the displayed URL.  
You can always see this file.

# Document Generation

## River Basin Observation Metadata Documentation 2008-09-05 (Page.1)

Please select your Country, Riverbasin, Observation Point.

Your Country :

- 1. Bangladesh
- 2. Bhutan
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- 4. India
- 5. Indonesia
- 6. Japan
- 7. Korea
- 8. Lao PDR
- 9. Malaysia
- 10. Mongolia
- 11. Myanmar
- 12. Nepal
- 13. Pakistan
- 14. Philippines
- 15. Sri Lanka
- 16. Thailand
- 17. Uzbekistan
- 18. Vietnam
- 99. Japan-Tama

RiverBasin :  StationName :

**You can generate the dataset Documentation.**

when you specify of the observation point and dataset, you can generate the dataset Documentation.



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River Basin Observation Metadata Registration - Window Internet Explorer

http://ias-dk.fis.u-tokyo.ac.jp/8080/metadata/rh-MD

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River Basin Observation Metadata Registration

## TITLE

md\_CAMP\_Tibet\_ANNI-4

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URL : http://srsr.dpri.kyoto-u.ac.jp/

## DATE OF THIS DOCUMENT

2006-10-17

## 1.0 DATASET OVERVIEW

### 1.1 Introduction

To clarify the energy and water characteristics of the basic meteorology (Automatic Weather Station)

### 1.2 Time period covered by this dataset

Start : 2003-10-01  
End : 2004-08-14

### 1.3 Temporal characteristics

Once a hour

### 1.4 Physical location of the observation site

Longitude : 92.17241  
Latitude : 31.25442

Elevation :  
Landuse : Bare land (with the  
Landcover : Bare land (with the  
Canopy height : Less than 5cm

### 1.5 Data source

### 1.6 WWW address reference

<http://srsr.dpri.kyoto-u.ac.jp/>

## 2.0 INSTRUMENTATION

### 2.1 Platform

The AWS of this site was constructed in summer 2002 as a part of the meso-scale triangle network

## 6.1.2 Quality issues

## 7.0 REFERENCE REQUIREMENTS

1. Character StringFree when agreed the CEOP data policy

## 8.0 REFERENCES

1. H. Ishikawa and GAME-Tibet Boundary Layer Group  
2001  
What has been known and what has not in GAME/Tibet BL observation :Proceedings of the Fifth International Study Conference on GEWEX in Asia and GAME, 691

## 9.0 Missing Data Periods

1. Snow depth there has sporadic noise in the data but the reason is still not be sure. Then the Quality control flag was put "D".
2. The incoming longwave values seem low during part of February 2004. Then the data flag "D" was put during this period. There was the same phenomenon in Amdo station in 1998 winter season. Then this ANNI stations phenomenon is probable. But we could not
3. Outgoing longwave sensor was trouble during EOP4. Then the regular sensor correction was not executed. But this effect is not so serious (several tens of W/m2) Then data flag was put "I". (Actually, the "I"+"G" flag will be better.)
4. No gap filling procedure was applied.
5. Snow Depth No missing data. Incoming Shortwave 2004/08/14 08:00 - 2004/08/14 23:00 (16)  
Outgoing Shortwave 2004/08/14 08:00 - 2004/08/14 23:00 (16) Incoming Longwave 2004/04/12 07:00 2004/08/14 05:00 - 2004/08/14 06:00 (2) 2004/08/14 08:00 - 2004/08/14 23:00 (16)  
Outgoing Longwave 2004/04/12 06:00 - 2004/04/12 13:00 (8) 2004/04/12 20:00 - 2004/04/12 22:00 (3) 2004/04/13 03:00 - 2004/04/13 05:00 (3) 2004/04/13 20:00 - 2004/04/13 21:00 (2) 2004/04/14 01:00 - 2004/04/14 03:00 (3) 2004/04/14 05:00 - 2004/04/14 13:00 (9) 2004/04/15 05:00 - 2004/04/15 12:00 (8) 2004/04/16 02:00 2004/04/16 04:00 - 2004/04/16 06:00 (3) 2004/08/14 05:00 - 2004/08/14 23:00 (18) Net Radiation 2004/04/12 05:00 - 2004/04/12 13:00 (8) 2004/04/12 20:00 - 2004/04/12 22:00 (3) 2004/04/13 03:00 - 2004/04/13 05:00 (3) 2004/04/13 20:00 - 2004/04/13 21:00 (2) 2004/04/14 01:00 - 2004/04/14 03:00 (3) 2004/04/14 05:00 - 2004/04/14 13:00 (9) 2004/04/15 05:00 - 2004/04/15 12:00 (8) 2004/04/16 02:00 2004/04/16 04:00 - 2004/04/16 06:00 (3) 2004/08/14 05:00 - 2004/08/14 23:00 (19) Skin Temperature 2004/08/14 08:00 - 2004/08/14 23:00 (16) Incoming PAR 2003/10/01 00:00 - 2004/08/14 23:00 (ALL) Outgoing PAR 2003/10/01 00:00 - 2004/08/14 23:00 (ALL)

# Status of CEOP-AP Data Upload, QC



# CEOP\_AP Data Management Status

(as of 2009/08/21)

	<i>Reference Site Name</i>	<i>Basic Info.</i>	<i>Data Uploading (Data Period)</i>	<i>Compile DB</i>	<i>Quality Control</i>	<i>Convert CEOP Format</i>	<i>Submit to NCAR</i>	<i>Remark</i>
01	Eastern Siberian Tundra	○	2007/01/01 - 2007/12/31	○	○			
02	Eastern Siberian Taiga	○	2007/01/01 - 2007/12/31	○	○			
03	Mongolia	○						
04	Tongyu	○						
05	Tibet	○	2007/06/15 - 2008/11/25	○	△			
06	Himalayas	○	Managed by own system					
07	Northern South China Sea - Southern Japan	○	2005/01/01 - 2008/12/31	○				
08	Chao-Phraya River	○						
09	North-East Thailand	○						
10	Western Pacific Ocean	○	2007/01/01 - 2007/12/31	○				
11	Mongolia Arvayheer	○						
12	Mongolia Nalaikh	○						
13	Northern Mongolia	○						
14	Lower Yellow River	○						
15	Central Vietnam	○						
16	Northeast Bangladesh	○						
17	Pakistan Karakorum	○						
18	Tsukuba	○	Managed by own system					
19	Lanzhou	○						
20	Heihe River Basin	○	2007/01/01 - 2008/12/31					
21	Western Indonesia	○	2007/01/01 - 2007/12/31	○				
22	Central Indonesia	○						
23	Eastern Indonesia	○						
24	Northern Indonesia	○						
25	Southern Indonesia	○						

○: Finished , △: Partially finished

# CEOP\_AP Data management Status for Each stations (1/2)

	Reference Site Name	Station #	Station Name	Basic Info.	Data Uploading	Compile DB	Quality Control	Convert CEOP Format
01	Eastern Siberian Tundra	01-01	Tiksi	0	2007/01/01 - 2007/12/31	0	0	
02	Eastern Siberian Taiga	02-01	Yakutsk	0	2007/01/01 - 2007/12/31	0	0	
03	Mongolia	03-01	Mandalgobi	0				
		03-02	Ulanbaator	0				
04	Tongyu	04-01	Cropland	0				
		04-02	Grassland	0				
05	Tibet	05-01	Naqu	0	2008/01/01 - 2008/05/24	0	-	
		05-02	Gaize	0	2007/06/15 - 2008/11/25	0	-	
		05-03	Dali	0	2008/02/01 - 2008/12/01	0	-	
		05-04	Linzhi	0	2008/05/01 - 2008/11/05	0	-	
		05-05	Litang	0				
		05-06	Wenjiang	0	2008/01/01 - 2008/11/30	0	-	
06	Himalayas	06-01	Pyramid	0				
		06-02	Pherich	0				
		06-03	Namche	0				
		06-04	Lukla	0				
07	Northern South China Sea - Southern Japan	07-01	Chutzehu	0	2005/01/01 - 2008/12/31	0		
		07-02	Hsinchu	0	2005/01/01 - 2008/12/31	0		
		07-03	Ilan	0	2005/01/01 - 2008/12/31	0		
		07-04	Taichung	0	2005/01/01 - 2008/12/31	0		
		07-05	Hualien	0	2005/01/01 - 2008/12/31	0		
		07-06	Jihyuehtan	0	2005/01/01 - 2008/12/31	0		
		07-07	Alishan	0	2005/01/01 - 2008/12/31	0		
		07-08	Chiayi	0	2005/01/01 - 2008/12/31	0		
		07-09	Chengkung	0	2005/01/01 - 2008/12/31	0		
		07-10	Taitung	0	2005/01/01 - 2008/12/31	0		
		07-11	Kaohsiung	0	2005/01/01 - 2008/12/31	0		
		07-12	Hengchun	0	2005/01/01 - 2008/12/31	0		
		07-13	Pengchiayu	0	2005/01/01 - 2008/12/31	0		
		07-14	Anpu	0	2005/01/01 - 2008/12/31	0		
		07-15	Tanshui	0	2005/01/01 - 2008/12/31	0		
		07-16	Keelung	0	2005/01/01 - 2008/12/31	0		
		07-17	Taipei	0	2005/01/01 - 2008/12/31	0		
		07-18	Suao	0	2005/01/01 - 2008/12/31	0		
		07-19	Wuchi	0	2005/01/01 - 2008/12/31	0		
		07-20	Penghu	0	2005/01/01 - 2008/12/31	0		
		07-21	Yushan	0	2005/01/01 - 2008/12/31	0		
		07-22	Tungchitao	0	2005/01/01 - 2008/12/31	0		
		07-23	Tainan	0	2005/01/01 - 2008/12/31	0		
		07-24	Tawu	0	2005/01/01 - 2008/12/31	0		
		07-25	Lanyu	0	2005/01/01 - 2008/12/31	0		

# CEOP\_AP Data management Status for Each stations (2/2)

	Reference Site Name	Station #	Station Name	Basic Info.	Data Uploading	Compile DB	Quality Control	Convert CEOP Format
08	Chao-Phraya River	08-01	Lampang	0				
09	North-East Thailand	09-01	Nakhonrachasima	0				
10	Western Pacific Ocean	10-01	Aimeliik	0				
		10-02	Peleliu	0	2007/01/01 - 2007/12/31	0		
11	Mongolia Arvayheer	11-01	Arvayheer	0				
12	Mongolia Nalaikh	12-01	Nalaikh	0				
13	Northern Mongolia	13-01	Kherlen-Bayan-Ula	0				
		13-02	Forest site	0				
14	Lower Yellow River	14-01	Gaoying	0				
15	Central Vietnam	15-01	Da Nang	0				
16	Northeast Bangladesh	16-01	Sylhet	0				
17	Pakistan Karakorum	17-01	Urdukas	0				
		17-02	Askole	0				
18	Tsukuba	18-01	UT-Mt. Tsukuba	0				
		18-02	NIED	0				
		18-03	UT-TERC	0				
		18-04	JMA-AO	0				
		18-05	MRI	0				
		18-06	NIES	0				
		18-07	NIAES-MASE	0				
19	Lanzhou	19-01	SACOL	0				
20	Heihe River Basin	20-01	Linze	0	2007/01/01 - 2007/12/31			
		20-02	Dayekou	0	2007/01/01 - 2008/07/13			
		20-03	Yeniugou	0	2007/11/05 - 2008/07/16			
		20-04	Dingxin	0				
		20-05	Erjin	0				
		20-06	Arou	0	2007/01/01 - 2008/12/31			
		20-07	Binggou	0	2007/09/25 - 2008/07/12			
		20-08	Yingke	0	2007/01/01 - 2008/12/31			
21	Western Indonesia	21-01	Kototabang	0	2007/01/01 - 2007/12/31	0		
		21-02	Minangkabau Interr	0	2007/01/01 - 2007/12/31	0		
22	Central Indonesia	22-01	Pontianak	0				
23	Eastern Indonesia	23-01	Biak	0				
24	Northern Indonesia	24-01	Manado	0				
25	Southern Indonesia	25-01	Serpong	0				

# Summary

- Introduction of Data Upload, Quality Control, and MetaData Registration System – 3 System for CEOP Phase2 are running
- All systems are supporting observers to regist data and information with easy/user-friendly interface..
- Users can check upload/QC status on WEB easily, Administrator can also check all status
- Thank you for your collaboration.