



A Short review of WRDC Activity

Presented for 5th Telecon of ET-WDC on 20 June 2013.

Anatoly Tsvetkov
WRDC, Head

Metadata submission to GAW SIS (by Year, Number of Stations and Date)

WRDC. Metadata submission to GAWSIS via FTP. Latest information in “2013”.

2010	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
Number of stations	227	227	227	229	229	229	229	229	229	229	229	229
Date of sending	18/01	18/02	23/03	20/04	18/05	16/05	20/07	17/08	24/09	15/10	16/11	23/12
2011	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
Number of stations	229		229	229		229	229			229		229
Date of sending	21/01		22/03	20/04		07/06	20/07			31/10		22/12
2012	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
Number of stations	229		229	229	238	239	239		239			239
Date of sending	20/01		29/03	23/04	30/05	09/06	23/07		05/09			05/12
2013	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
Number of stations	239	239	240		241	241						
Date of sending	15/01	15/02	20/03		22/05	13/06						



New Stations in GAW Database

Examples of Metadata and related Stations

New GAW Stations uploaded to WRDC Server. Metadata (Right): Station Hohenpeissenberg.

WRDC - Windows Internet Explorer

http://wrdc.mgo.rssi.ru/wrdccgi/protect.exe?wrdc/data_gaw.htm

Файл Правка Вид Избранное Сервис Справка

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WRDC

Параметры интрасети по умолчанию отключены. Параметры интрасети используют более низкий уровень безопасности, чем параметры Интернета. Щелкните здесь для настройки...

Station Name	Region	Info	Daily Data	Hourly Data
WIEN / HOHE WART	Regional	Info	Daily Data	Hourly Data
CHILE				
EL TOLOLO	Regional	Info	Daily Data	Hourly Data
ESTONIA				
TARTU-TORAVERE	Contributing	Info	Daily Data	Hourly Data
GERMANY				
HOHENPEISSENBERG	Global	Info	Daily Data	Hourly Data
GREECE				
THESSALONIKI	Regional	Info	Daily Data	Hourly Data
ICELAND				
REYKJAVIK	Regional	Info	Daily Data	Hourly Data
INDONESIA				
BUKIT KOTOTABANG	Global	Info	Daily Data	Hourly Data
IRELAND				
VALENTIA OBSERVATORY	Regional	Info	Daily Data	Hourly Data
KENYA				
MOUNT KENYA	Global	Info	Daily Data	Hourly Data
KOREA, R. OF				
SEOUL	Regional	Info	Daily Data	Hourly Data
LATVIA				

Station Information:

Name : Hohenpeissenberg, Germany
WMO Index: 10962
Latitude : 47.80 N
Longitude: 11.00 E
Elevation: 988 m
Local time offset from GMT: + 1.0

Instrumentation:

Global Radiation	
1953.01.01 - 1984.12.31	Pyranometer Kipp & Zonen CM-5
Since 1985.01.01	Pyranometer Kipp & Zonen CM-11

Diffuse Radiation	
Since 1997.04.01	Pyranometer Kipp & Zonen CM-11 with tracking disk

Longwave Downwelling Radiation*	
Since 2002.11.01	Pyranometer Kipp & Zonen CG-4

*) longwave downwelling radiation within spectral band 4.5 - 42 μm ;

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Daily and monthly averages, in J/cm2 are computed according to WRDC protocol (and subject to rejection by the flagging protocol):

- Daily total values are the total of each hourly irradiance for the day
- Monthly averages are the sum of the daily values divided by the number of days available.
- Monthly totals are the monthly average multiplied by the number of calendar days in the month.
- Monthly statistics for hourly intervals are the sum and average of the hourly interval for each day under a process similar to

WRDC. New GAW Stations uploaded to WRDC Server. Metadata: for De Bilt Station..

WRDC - Windows Internet Explorer

http://wrdc.mgo.rssi.ru/wrdccgi/protect.exe?wrdc/data_gaw.htm

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WRDC

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Station Name	Category	Info	Daily Data	Hourly Data
SEoul				
SEoul	Regional	Info	Daily Data	Hourly Data
LATVIA				
RUCAVA	Regional	Info	Daily Data	Hourly Data
ZILANI	Contributing	Info	Daily Data	Hourly Data
ZOSEN	Regional	Info	Daily Data	Hourly Data
MOLDOVA Skyline				
KISHINEV	Regional	Info	Daily Data	Hourly Data
NETHERLANDS				
DE BILT	Regional	Info	Daily Data	Hourly Data
SLOVAKIA				
POPRAD GANOVCE	Regional	Info	Daily Data	Hourly Data
SWITZERLAND				
DAVOS-DORF	Contributing	Info	Daily Data	Hourly Data
JUNGFRAUJOCH	Global	Info	Daily Data	Hourly Data
LOCARNO-MONTI	Contributing	Info	Daily Data	Hourly Data
PAYERNE	Regional	Info	Daily Data	Hourly Data
UNITED KINGDOM				
CAMBORNE	Regional	Info	Daily Data	Hourly Data
LERWICK	Regional	Info	Daily Data	Hourly Data

Station Information:

Name: De Bilt
WMO index: 06260
Latitude: 52.10 N
Longitude: 5.18 E
Elevation (m): 4
Time: True solar time, local time offset from GMT: +1.0

Instrumentation:
 Global Horizontal Q: Kipp and Zonen Pyranometer

Daily and monthly averages in J/cm² are computed according to WRDC protocol (and subject to rejection by the flagging protocol):

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- Monthly statistics for hourly intervals are the sum and average of the hourly interval for each day under a process similar to the monthly averages and totals above.

flag (F) = 0 (blank in the table) means that a value has good quality flag = 1 - questionable value flag = 2 - bad or missing value

WRDC. New GAW Stations uploaded to WRDC Server. Metadata: for Seoul Station.

WRDC - Windows Internet Explorer

http://wrdc.mgo.rssi.ru/wrdccgi/protect.exe?wrdc/data_gaw.htm

Файл Правка Вид Избранное Сервис Справка

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WRDC

Рекомендуемые сайты
https://ieonline.microsoft.com/#ieslice
Обновлено 18 октября 2011 г., 14:54

Параметры интрасети по умолчанию отключены. Параметры интрасети используют более низкий уровень безопасности, чем параметры Интернета. Щелкните здесь для настройки...

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CHILE				
Images				
EL TOLOLO	Regional	Info	Daily Data	Hourly Data
ESTONIA				
Skyline				
TARTU-TORAVERE	Contributing	Info	Daily Data	Hourly Data
GERMANY				
HOHENPEISSENBERG	Global	Info	Daily Data	Hourly Data
GREECE				
THESSALONIKI	Regional	Info	Daily Data	Hourly Data
ICELAND				
REYKJAVIK	Regional	Info	Daily Data	Hourly Data
INDONESIA				
BUKIT KOTOTABANG	Global	Info	Daily Data	Hourly Data
IRELAND				
VALENTIA OBSERVATORY	Regional	Info	Daily Data	Hourly Data
KENYA				
MOUNT KENYA	Global	Info	Daily Data	Hourly Data
KOREA, R. OF				
SEOUL	Regional	Info	Daily Data	Hourly Data
LATVIA				

Station Information:

Name: Seoul
WMO index: 47108
Latitude: 37.57 N
Longitude: 126.95 E
Elevation (m): 86
Time: Local mean time, local time offset from GMT: +9.0

Instrumentation:
 Global Horizontal Q: Kipp and Zonen Pyranometer

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There is a positive trend in that:

**Canada will begin submitting the Data and Metadata
from Actinometry Stations
Including GAW Stations**

Thank you!

Have all of you nice summer vacations