Met Office

PUBLIC WEATHER MEDIA SERVICE – PRODUCT DESCRIPTIONS

Global site specific 3 hourly forecast data

PRODUCT CODE – PWMS045

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Client: PWMS

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Product Description History

Document Location

This document is only valid on the day it was printed.

Revision History

Date of this revision: 27th May 2016
Date of Next revision: 1st June 2017

Revision date	Summary of Changes
27 May 2016	First issue

Distribution

This document has been distributed to

Name	Title	Date of Issue	Version

Product Description

Site specific forecasts for five days at three hourly intervals locations across the globe.

Product Title

Global Site Specific 3-Hourly Forecast Data

Purpose of the Product

For use on:

- Broadcast
- Online Services

Data Parameters Supplied

1. Wind Direction (16 point compass)
2. Wind Speed - average (mph)
3. Temperature (whole degrees Celsius)
4. Weather (code figure)
5. Visibility (descriptive term)
6. Pressure (whole hPa)
7. Humidity (%)
8. Wind Gust (mph)
9. Feels like Temperature (whole degrees Celsius)

Each line contains the following comma delimited fields:

Field number and description	Example Contents	Null Values
1. Site Name	Characters e.g. = **Nashville**	
2. Site Latitude	Latitude (Decimal Degrees) e.g. = 48.51	
3. Site Longitude	Longitude (Decimal Degrees) e.g. = -122.612	
4. US State (where available)	Characters = **Tennessee**	
5. Country	Characters e.g. = **United States of America**	
6. Continent	Characters e.g. = **N.America**	
7. Blank filed (reserved for Type of forecast site)	**(BLANK)**	
8. Start time; timesteps calculated from this	0000, 0600, 1200, 1800	
9. Day (of forecast start point, day 1)	'Sun', 'Mon', Tue', Wed', Thu', 'Fri' or 'Sat'	
10. Date of issue or first forecast day	DD e.g. = **05**	
11. Month	MM e.g. = **08**	
12. Year	YYYY e.g. = **2010**	
13. Forecast period or timestep.	e.g. = **0** where the data that follows is the forecast for 0 hours on from the start time in field 7	
14. Wind Direction	'N', 'NNE', 'NE','ENE', 'E', 'ESE', 'SE', 'SSE', 'S', 'SSW', 'SW', 'WSW', 'W', 'WNW', 'NW' or 'NW'	N/A
15. Wind Speed	Integer – mph	-99
16. Screen Temperature	Integer – Degrees celsius	-99
17. Significant Weather	Code – see decode	-99
18. Visibility	2 character code – see decode	-99
19. Mean Sea Level Pressure	Integer – millibars	-99

20.	Relative Humidity	Integer – percentage	-99
21.	Wind gust	Integer – mph	-99
22.	Feels Like Temperature	Integer – degrees celsius	-99
23.	Fields 13 to 22 inclusive are repeated for each 3 hourly timestep for the remaining timesteps		

Visibility Decode

Visibility	Description	Code
< 1000 m	Very poor	VP
< 4000 m	Poor	PO
< 10000 m	Moderate	MO
< 20000 m	Good	GO
< 40000 m	Very good	VG
>= 40000 m	Excellent	EX

Significant Weather Decode

Code	Decode
-99	N/A
0	Clear sky (Night)
1	Sunny (Day)
2	Partly cloudy (Night)
3	Sunny intervals
4	Dust storm
5	Mist
6	Fog
7	(White) Medium-level cloud
8	(Black) Low-level cloud
9	Light rain shower (Night)
10	Light rain shower (Day)
11	Drizzle
12	Light rain
13	Heavy rain shower (Night)
14	Heavy rain shower (Day)
15	Heavy Rain
16	Sleet shower (Night)
17	Sleet shower (Day)
18	Sleet
19	Hail shower (Night)
20	Hail shower (Day)
21	Hail
22	Light snow shower (Night)
23	Light snow shower (Day)
24	Light snow
25	Heavy snow shower (Night)
26	Heavy snow shower (Day)
27	Heavy snow
28	Thundery shower (Night)
29	Thundery shower (Day)
30	Thunder storm
31	Tropical storm

Data Timesteps Supplied

Lead Time: 5 days
Temporal Resolution: 3-Hourly

Frequency of Issue

Hourly

Format of Output File

CSV
Filename is EX1796_GL_SS_3Hrly_FX_ddMMyy_HHmmss.CSV

Delivery Method

FTP pull from PWMS FTP (FTPWEB)

Roles and Responsibilities

Met Office – Corinne George