

#### PUBLIC WEATHER MEDIA SERVICE - PRODUCT DESCRIPTIONS

# **UK site specific hourly forecast data**

PRODUCT CODE - PWMS043

Release: 2.0

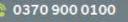
Date: 27 May 2016

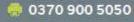
Author: Colin Seddon

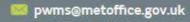
Owner: Corinne George

Client: PWMS

Document Number: 1









# **Product Description History**

#### **Document Location**

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

### **Revision History**

Date of this revision: 27<sup>th</sup> May 2016 Date of Next revision: 1<sup>st</sup> 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 and observation data for 5000+ UK sites.

#### **Product Title**

**UK Site Specific 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. = <b>Aberdeen</b>		
2. Latitude	Latitude (Decimal Degrees) e.g. = 48.51		
3. Longitude	Longitude (Decimal Degrees) e.g. = -122.612		
4. Blank field (reserved for U.S. State)	(BLANK)		
5. Country	Characters e.g. = United Kingdom		
6. Continent	Characters e.g. = <b>Europe</b>		
7. Blank Field (reserved forType f forecast site	(BLANK)		
8. Issue 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. = <b>05</b>		
11. Month	MM e.g. = <b>08</b>		
12. Year	YYYY e.g. = <b>2010</b>		
13. Forecast period or timestep.	e.g. = <b>0</b> 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',	N/A	
	'SSW', 'SW', 'WSW', 'W', 'WNW', 'NW' or 'NW'		
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 12 to 21 inclusive are repeated for each 1		
	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 Times: 2 days (T+48) Temporal Resolution: Hourly

## Frequency of Issue

Hourly

## Format of Output File

CSV

 $Filename\ is\ EX0000\_UK\_SS\_Hourly\_FX\_yyyymmdd\_hhmmss.CSV$ 

### **Delivery Method**

FTP pull from PWMS FTP (FTPWEB)

### **Roles and Responsibilities**

Met Office – Corinne George