



Met Office

GetMet 2009

Make a difference to your flying
with accurate weather briefing

GLOBAL AEROSPACE



Flight planning

In addition to weather information:

- UK and Foreign NOTAM information is available from the UK Aeronautical Information Service at www.ais.org.uk where you can also access the UK AIP, its supplements, AICs and a flight plan form.
- UK information is also available by fax. Dial **020 8557**, followed by **0064** or **0065** for London or Scottish FIRs, or **0051** or **0052** for London or Scottish aerodromes.
- For abbreviated and updated information on certain UK airspace restrictions, call the AIS information line on **0500 354802** or **+44 (0)20 8750 3939**.

Pilot's pre-flight check

Designed for General Aviation pilots, but information applies to everyone.

SafetySense leaflets are in LASORS and the CAA website www.caa.co.uk/publications through "general aviation".

Valid medical, type/class rating?	
90-day rule for passengers?	
Map/charts and information in date?	www.caa.co.uk/charts
Frequencies changed?	www.caa.co.uk/charts
Flight plan required?	GetMet page 30 or AIS website
File CANP/PINS?	Freephone 0800 515544 or fax 0500 300120
Mass/balance calculations?	Flight manual, SafetySense leaflet 9
Weather forecast — route/area?	F215/415, TAFs/METARs? GET MET Pages 4-25
NOTAMs and aeronautical information checked?	AIS website www.ais.org.uk
Route planned? Fuel? Diversion? Safety altitude?	SafetySense leaflet 5
Take off/landing performance?	Flight Manual, SafetySense leaflet 7
Temporary restricted airspace?	AIS website or freephone 0500 354 802 or call +44 (0)20 8750 3939
Aircraft serviceable?	
Pilot fit, both physically and mentally?	SafetySense leaflet 24
Passengers briefed?	SafetySense leaflet 2

Supported by Global Aerospace Underwriting Managers.

Global Aerospace is the world's largest aerospace insurer and has a long-standing commitment to improving air safety.

Fitzwilliam House, 10 St Mary Axe, London EC3A 8EQ
Tel: +44 (0)20 7369 2244 Fax: +44 (0)20 7369 2700
www.global-aero.com



Contents

	Page
Introduction	2
Web services	4
Fax services	6
Telephone services	12
Met. decodes	14
TAF	
METAR and SPECI	
Metform 215	
En route information	24
VHF Volmet	
ATIS	
Useful contacts	26
Filing Flight plans	28
Services from other European countries	30

While every effort is made to ensure that contents are accurate at the time of going to print, -
readers should note that frequencies/reporting airfields, etc., may change during the year. -

Published Date 08/08 UPDATED December 09 -

Updates to GetMet will be available from the Met Office website, as applicable. -

*Met Office and the Met Office logo are registered trademarks © Crown copyright 2009
All rights reserved Designed and produced by the Met Office 09/0432*

Introduction

Common sense and the law require you to obtain all the necessary weather information in order to plan and conduct your flight safely. Full information on meteorological services can be found in the UK AIP in the General Section at 3.5.

This booklet is intended to help you to obtain this information via internet, fax and telephone. If you have any suggestions for improving this booklet, or need further copies, please contact:

Met Office FitzRoy Road Exeter Devon EX1 3PB -
Fax: 0870 900 5050 -
Email: aviation@metoffice.gov.uk -
www.metoffice.gov.uk/aviation -

If you are unable to use any of the services, the TAFs and METARs, or require clarification for F214, F215, F414 and F415, special forecasts and route forecasts please call:

0870 900 0100

For aircraft departing from Isle of Man and Channel Islands please call:

Isle of Man	01624 821641 (ATC Hours)
Jersey	01534 745550 (ATC Hours)

Prices stated in *GetMet* are correct at the time of going to press.

'Before you fly, plan your flight'

check NOTAMs, get MET



www.airspacesafety.com

FLYER

*The essential read
for all pilots*



www.flyer.co.uk

Web services

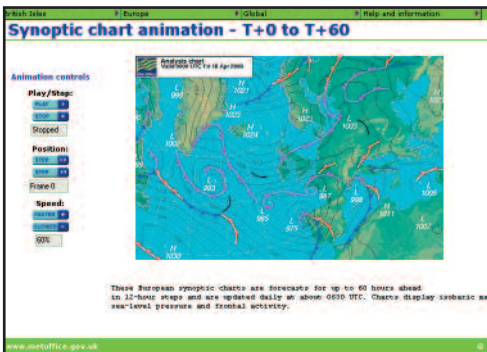
Online briefing for pilots

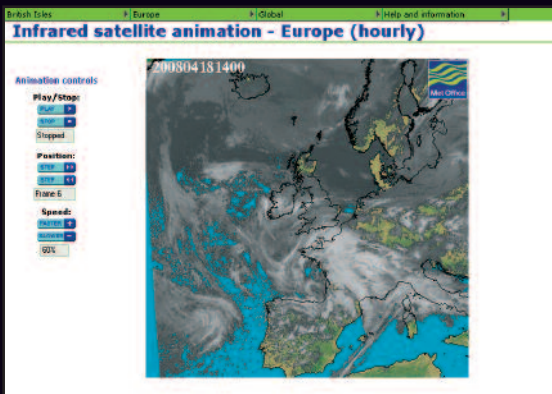
The Met Office's online web services provide a comprehensive range of weather briefing services direct to your computer.

The service is FREE and contains essential pre-flight information to help you get the most from your flying. Services include:

- F214 / F215
- UK TAFs and METARs
- UK AIRMETs
- Ballooning forecasts
- Satellite and rainfall imagery

Simply register online at:
www.metoffice.gov.uk/aviation for instant access.





Plus, you can upgrade your subscription for only £56.40 per year for additional services, which include:

- European synoptic charts out to 5 days
- 15-minute rainfall radar
- Regional three-day planning forecasts for England, Wales and Scotland
- Lightning observations

TAFs and METARs

Query for TAF's and METARs

If you know the airport's ICAO, type them directly into the box below (separated by slashes). Alternatively, click on the map to the right to zoom into your area of interest. You can also enter the name of a city into the "Query for ICAO's" box below.

Map Instructions

Click on your area of interest on the world map, and you will be presented with an interactive map of that area.

World map

Query for ICAO's

Enter the name of an airport or a city in the box below. The ICAO code of the airport, or of the airfield close to the city will then be shown underneath the box.

Fax services

MetFAX forecasts and bulletins for pilots

MetFAX products give you the latest aviation weather information direct to your fax machine. An index of products is available for customers to download.

Using MetFAX:

- either use a telephone handset; or
- switch to voice mode on your fax machine and use the fax keypad to navigate through the system.

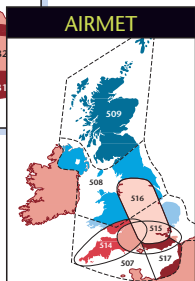
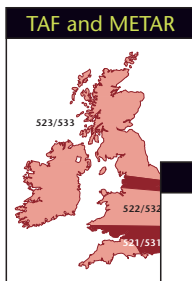
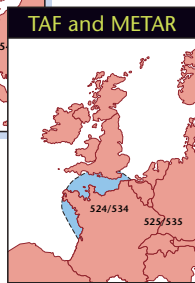
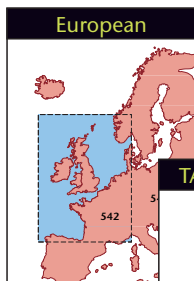
For customers whose machines are barred from using premium-rate numbers or who wish to receive this information from abroad, our credit card payment system offers the ideal solution. See page 12 for details.

To receive products

- Make sure your fax machine is set to POLL RECEIVE
- Dial one of our product numbers
- Press the START button after the tone
- Otherwise dial MetFAX from a telephone in parallel with your fax modem and select manual RECEIVE when you hear the tone

*This is a premium-rate telephone service.
09060 calls are charged at 75p per minute.*

**Premium-rate telephone numbers are normally 'barred' from mobile phones. However, your Service Provider can arrange for this 'bar' to be lifted.*



Fax number **MetFAX product content and time**

09060-700-501 **Index page** As required

Note: The index page contains latest details of the whole range of dial up fax products available to the pilot

		UT = Update time (all times UTC)				VT = Validity time			
		UT	VT	UT	VT	UT	VT	UT	VT
09060-700-502	<i>Surface analysis chart</i>								
	0400	0000	1000	0600	1540	1200	2130	1800	
	<i>Surface T+24 forecast (F/C) chart</i>								
	0600	0000	1100	0600	1645	1200	2245	1800	
09060-700-503	<i>F215 UK low-level weather chart</i>								
	0330	1200	0930	1800	1530	0000	2130	0600	
	<i>F214 UK spot-wind chart</i>								
	0000	0600	0600	1200	1200	1800	1800	0000	
09060-700-504	<i>Surface Forecast chart for T+48, +72, +96, +120 hours ahead</i>								
	0600	0000	1800	1200					
	<i>Three-day planning Forecast (S England)</i>								
	1200		1–3 DAYS						
09060-700-544	<i>Surface Forecast chart for T+48, +72, +96, +120 hours ahead</i>								
	0800	0000	2000	1200					
	<i>Three-day planning Forecast (N England)</i>								
	1200		1–3 DAYS						
09060-700-505	<i>Explanatory notes for F215</i>								
09060-700-506	<i>Four tephigrams temp./height chart</i>								
	0330	0000	1330	1200					

Satellite pictures

09060-700-538 *Guide to satellite images*

UT = Update time (all times UTC) VT = Validity time

UT	VT	UT	VT	UT	VT	UT	VT	UT	VT
----	----	----	----	----	----	----	----	----	----

09060-700-537 *Satellite picture (visible and infrared)*

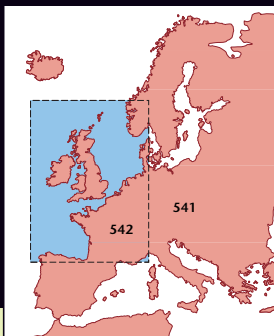
0730	0600	1030	0900	1330	1200	1630	1500	1930	1800
------	------	------	------	------	------	------	------	------	------

09060-700-539 *Satellite picture (infrared)*

0730	0600			1330	1200			1930	1800
------	------	--	--	------	------	--	--	------	------

Fax services

European fax forecasts -



European		UT = Update time (all times UTC) VT = Validity time							
		UT	VT	UT	VT	UT	VT	UT	VT
09060-700-541	WAFC European FL100-450 sig. weather chart								
	2000 1200 0200 1800 0800 0000 1400 0600								
	F614 European med-high spot wind chart								
	0215 1200 0800 1800 1500 0000 2115 0600								
09060-700-542	F415 European low-level weather chart								
	0330 1200 0930 1800 1530 0000 2130 0600								
	F414 European low-level spot-wind chart								
	0600 1200 1200 1800 1800 0000 0000 0600								

'Check your pressure setting'

if in doubt, check VOLMET, listen to ATC or call ATC



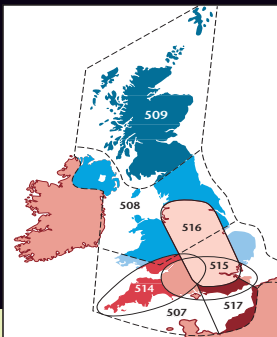
www.airspacesafety.com

'If in doubt, check VOLMET, listen to ATIS, or call an air traffic service'



www.airspacesafety.com

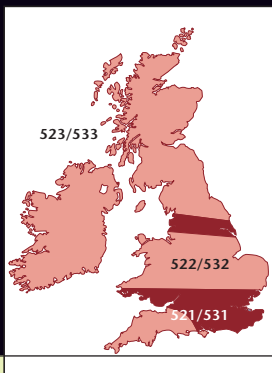
AIRMET fax forecasts -



AIRMET								
09060-700-510	AIRMET index page As required							
	UT = Update time (all times UTC)				VT = Validity time			
	UT	VT	UT	VT	UT	VT	UT	VT
09060-700-507	<i>Regional AIRMET South text</i>							
	0430	05-13	1000	11-19	1600	17-01	2200	23-07
09060-700-508	<i>Regional AIRMET North text</i>							
	0430	05-13	1000	11-19	1600	17-01	2200	23-07
09060-700-509	<i>Regional AIRMET Scottish text</i>							
	0430	05-13	1000	11-19	1600	17-01	2200	23-07
09060-700-511	<i>AIRMET UK weather text</i>							
	0530	06-12	1130	12-18	1730	18-24	2330	00-06
09060-700-512	<i>AIRMET UK upper winds text</i>							
	0530	06-12	1130	12-18	1730	18-24	2330	00-06
09060-700-513	<i>AIRMET UK update and outlook text</i>							
	0830	09-15	1430	15-21	2030	21-03	0230	03-09
09060-700-514	<i>AIRMET area South West England text</i>							
	0430	06-15	1230	13-21	1630	17-01		
09060-700-515	<i>AIRMET area South East England text</i>							
	0430	06-15	1230	13-21	1630	17-01		
09060-700-516	<i>AIRMET area Central England text</i>							
	0430	06-15	1230	13-21	1630	17-01		
09060-700-517	<i>AIRMET area Cross Channel text</i>							
	0430	06-15	1230	13-21				

Fax services

METAR bulletins



METAR bulletins		
09060-700-520	TAF and METAR index page	As required
09060-700-521	METAR 1 – S England, S Wales, Channel Islands	Bulletins compiled every 30 minutes
09060-700-522	METAR 2 – SE England, E Anglia, Midlands, Wales	Bulletins compiled every 30 minutes
09060-700-523	METAR 3 – N England, Scotland, Ireland	Bulletins compiled every 30 minutes
09060-700-524	METAR 4 – SE England, Channel Islands, France	Bulletins compiled every 30 minutes
09060-700-525	METAR 5 – Europe	Bulletins compiled every 30 minutes

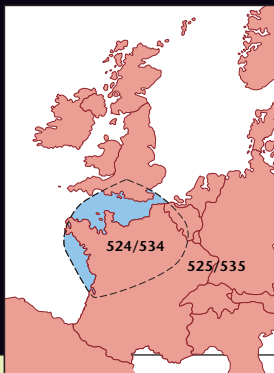
Please note that dark red shaded areas show the overlap between each region.

**'Are your airspace charts
up to date?'** see www.caa.co.uk/charts



www.airspacesafety.com

TAF bulletins



TAF bulletins								
09060-700-531	TAF 1 – S England, S Wales, Channel Islands							
	0230	0530	0830	1130	1430	1730	2030	2330
09060-700-532	TAF 2 – SE England, Midlands, E Anglia, Wales							
	0200	0500	0800	1100	1400	1700	2000	2300
09060-700-533	TAF 3 – N England, Scotland, Ireland							
	0230	0530	0830	1130	1430	1730	2030	2330
09060-700-534	TAF 4 – SE England, Channel Islands, France							
	0230	0530	0830	1130	1430	1730	2030	2330
09060-700-535	TAF 5 – Europe							
	0230	0530	0830	1130	1430	1730	2030	2330

Users are advised to check the index pages for latest details. -
 You receive this service subject to our Terms and Conditions, available on request. -
 09060 numbers charged at 75p per minute. Numbers transmitted at 1,400 baud. -

**'Check NOTAMs at
www.ais.org.uk'**



www.airspacesafety.com

Telephone services

Forecaster consultancy

If you need more than just clarification, or you cannot access charts or other information, you can speak directly to an aviation forecaster — available 24 hours a day. With our aviation forecaster consultancy, you can:

- speak to one of our aviation forecasters about the weather as it affects you, for example, planning return flights, weather windows;
- use it on its own, or as a natural accompaniment to our fax service;
- pay online by credit card — no forms to fill in.

Calls cost from £12 per call including VAT (prices correct at time of print). -

To purchase credits for this service, please call 0870 900 000 or -
+44 (0)1392 885680 and talk to one of our advisers. -

Call time limited to three minutes. -

Fast-tracking for regular customers

You can fast-track through the menu systems to any service by:

- selecting the relevant option before the voice message has finished;
- then entering your credit card details.

Tel **+44 (0)8700 767 868**

Payment and help

We accept Visa, MasterCard, Switch and Delta 'Visa Debit' cards. For a consultation with one of our forecasters, you will be asked for your card details. Once verified, your card will be debited and you will be able to proceed to the service. You will only be charged once a successful connection has been made.

Helpline/Customer Services

Our helpline is staffed 24 hours a day throughout the year. Discuss any service in more detail or receive help on any technical difficulties.

Tel: **+44 (0)1392 885680**

Fax: **+44 (0)1392 885681**



Met Office Safer

Make a difference to your flying time with
our weather services



www.metoffice.gov.uk/aviation

- Essential, free and subscription pre-flight information
- Aviation weather training

Met. decodes Aerodrome forecast – TAF decode -

Code element	Example	Decode
1 Report type	TAF	'Terminal Aerodrome Forecast'
2 Location	EGSS	'London Stansted'
3 Date/Time of origin Zulu is equivalent to UTC	130500Z	'For the 13th at oh, five, hundred, Zulu'
4 Validity time	1306/1406	'Valid from oh, six, hundred on the 13th to, o
5 Wind	31015G25KT	'Three one zero degrees, fifteen knots, m
6 Prevailing visibility or CAVOK*	8000	'Eight kilometres'
7 Significant weather	-SHRA	'Light rain showers'
8 Cloud	FEW005 SCT010 SCT018CB BKN025	'Few at five hundred feet, scattered at one thousand feet, scattered cumulonimbus at one thousand eight hundred feet. Broken at two thousand five hundred feet'
9 Significant changes <i>Probability</i> <i>Time</i> <i>Change indicator</i> <i>Met. groups</i>	PROB30 1314/1316 BECMG 1314/1316 FM131400 TSRA BKN010CB	'30% probability' 'from fourteen hundred on the 13th to si the 13th,' or 'becoming from fourteen h sixteen hundred on the 13th' or 'from fo the 13th' followed by 'Thunderstorm with cumulonimbus at one thousand feet'

* CAVOK will replace visibility and cloud groups.

Example 1. 24-hr TAF

FTUK32 EGGY 110500

EGPK 110500Z 1106/1206 13010KT 9000 BKN010

BECMG 1106/1108 BKN018 PROB30 TEMPO 1108/1116 17025G40KT 4000 TSRA

BKN012CB BECMG 1118/1121 3000 BR NSC=

Decode

Twenty four-hour TAF issued at 0500 UTC on the 11th. Prestwick valid from oh six hundred on the 11th to oh six hundred on the 12th. Wind one three zero degrees ten knots. Nine kilometres visibility. Broken at one thousand feet. Becoming from oh six hundred on the 11th to oh eight hundred on the 11th, broken at one thousand eight hundred feet. 30% probability, temporarily between oh eight hundred on the 11th to sixteen hundred on the 11th, wind one seven zero degrees twenty five knots, gusting to forty knots. Four thousand metres visibility. Thunderstorm with moderate rain. Broken cumulonimbus at one thousand two hundred feet. Becoming from eighteen hundred on the 11th to twenty one hundred on the 11th, three thousand metres visibility, mist, no significant cloud.

	Notes
	Name for an aerodrome forecast
	Station four-letter ICAO indicator
h, six, hundred on the 14th	UTC (Greenwich Mean Time)
ax twenty five knots'	VRB = Variable; 00000KT = calm. <i>Wind direction is given in degrees true</i>
	9999 = 10 km or more; 0000 = less than 50 metres
	See present weather table on METAR (page 18) for details; NSW = No significant weather
	FEW = 1-2 oktas; SCT = 3-4 oktas; - BKN = 5-7 oktas; OVC = 8 oktas; 'VV///' = state of sky - obscured (cloud base not discernible); figures in lieu of '///' - give forecast vertical visibility in hundreds of feet. NSC = no - significant cloud (none below 5,000 feet and no TCU or CB) - TCU and CB will be the only cloud types specified. - Cloud heights are given in feet above airfield height. -
xteen hundred on undred on the 13th to urteen hundred on rain, broken	Only 30% or 40% probability will be used. - Indicates beginning and end time of forecast period in UTC. - Also TEMPO = temporarily may be used. - Met. group follows indicating a change in some or all of - the elements forecast in the first part of the TAF. -

Note: CNL may be used to indicate that a TAF is cancelled.

Example 2. 9-hr TAF

FCUK33 EGGY 300800

EGTE 300800Z 3009/3018 23010KT 9999 SCT010 BKN018 BECMG 3011/3014
6000 -RA BKN012 TEMPO 3014/3018 2000 DZ OVC004 =

Decode

Nine-hour TAF issued at 0800 Zulu on the 30th. Exeter valid from oh nine hundred on the 30th to eighteen hundred Zulu on the 30th. Wind two three zero degrees ten knots. Ten kilometres or more visibility. Scattered at one thousand feet. Broken at one thousand eight hundred feet. Becoming from eleven hundred on the 30th to fourteen hundred on the 30th, six kilometres, slight rain. Broken at one thousand two hundred feet. Temporarily between fourteen hundred on the 30th to eighteen hundred on the 30th. Two thousand metres visibility. Moderate drizzle. Overcast four hundred feet.

Met. decodes Aerodrome actual weather

METAR and SPECI decode

Code element	Example	Decode
1. Identification <i>METAR or SPECI</i> <i>Location indicator</i> <i>Date/time</i>	METAR EGLL 291020Z AUTO	Meteorological Airfield Report London Heathrow 'ten twenty Zulu on the 29th' a fully automated report with no human intervention
2. Wind <i>Wind direction/speed</i> <i>Extreme direction</i>	31015G27KT 280V350	'three one zero degrees, fifteen knots, gusting twenty seven knots' 'varying between two eight zero and three five zero degrees'
3. Visibility <i>Prevailing visibility</i> <i>Minimum visibility</i> <i>(In addition to the prevailing visibility required)</i>	3200 1200SW	'three thousand two hundred metres' 'twelve hundred metres to the south-west'
4. RVR	R27R/1100	'RVR, runway two seven right, one thousand one hundred metres'
5. Present weather	+SHRA	'heavy rain showers'

	Notes																																
	<p>METAR – aviation routine report, SPECI – selected special (not from UK civil aerodromes) Station four-letter indicator</p> <p>AUTO METARS may only be disseminated when an aerodrome is closed or at H24 aerodromes, where the accredited met. observer is on a CAA approved overnight duty break. Users are reminded that reports of visibility, present weather and cloud from automated systems should be treated with caution due to the limitations of the sensors themselves and the spatial area sampled by the sensors</p>																																
	<p>Max only given if ≥ 10 KT than mean. VRB = variable. 0000KT = calm. - Variation given in clockwise direction, but only when mean speed is greater than 3 KT. - Wind direction is given in degrees true -</p>																																
	<p>0000 = ‘less than 50 metres’ 9999 = ‘ten kilometres or more’. No direction is required</p> <p>The minimum visibility is also included alongside the prevailing visibility when the visibility in one direction, which is not the prevailing visibility, is less than 1,500 metres or less than 50% of the prevailing visibility and less than 5000 metres. A direction is also added as one of the eight <i>if</i> points of the compass. NDV = no directional variation (AUTO METARS only)</p>																																
	<p>RVR tendency (U = increasing; D = decreasing; N = no change) may be added after figure (not currently used in the UK) e.g. R27R/1100D P1500 = more than 1,500 m; M0050 = less than 50 m. Significant variations – example: R24/0950V1100, i.e. varying between two values. (Not from UK civil aerodromes)</p>																																
	<p>+ = Heavy (well developed in the case of +FC and +PO); - = Light; no qualifier = Moderate. -</p> <table><tr><td>BC = Patches</td><td>BL = Blowing</td><td>BR = Mist</td><td>DR = Drifting, -</td></tr><tr><td>DS = Duststorm</td><td>DU = Dust</td><td>DZ = Drizzle</td><td>FC = Funnel cloud -</td></tr><tr><td>FG = Fog</td><td>FU = Smoke</td><td>FZ = Freezing</td><td>GR = Hail (>5 mm) -</td></tr><tr><td>GS = Small hail or snow pellets</td><td></td><td>HZ = Haze</td><td>IC = Ice crystals -</td></tr><tr><td>MI = Shallow</td><td>PL = Ice pellets</td><td>PO = Dust devils</td><td>PR = Banks -</td></tr><tr><td>RA = Rain</td><td>SA = Sand</td><td>SH = Showers</td><td>SG = Snow grains -</td></tr><tr><td>SN = Snow</td><td>SQ = Squalls</td><td>SS = Sandstorm</td><td>TS = Thunderstorm -</td></tr><tr><td>VA = Volcanic ash</td><td>VC = In vicinity</td><td>UP = Unidentified precipitation (AUTO METARS only)</td><td></td></tr></table> <p>Up to three groups may be present, constructed by selecting and combining from the above. Group omitted if no weather to report.</p>	BC = Patches	BL = Blowing	BR = Mist	DR = Drifting, -	DS = Duststorm	DU = Dust	DZ = Drizzle	FC = Funnel cloud -	FG = Fog	FU = Smoke	FZ = Freezing	GR = Hail (>5 mm) -	GS = Small hail or snow pellets		HZ = Haze	IC = Ice crystals -	MI = Shallow	PL = Ice pellets	PO = Dust devils	PR = Banks -	RA = Rain	SA = Sand	SH = Showers	SG = Snow grains -	SN = Snow	SQ = Squalls	SS = Sandstorm	TS = Thunderstorm -	VA = Volcanic ash	VC = In vicinity	UP = Unidentified precipitation (AUTO METARS only)	
BC = Patches	BL = Blowing	BR = Mist	DR = Drifting, -																														
DS = Duststorm	DU = Dust	DZ = Drizzle	FC = Funnel cloud -																														
FG = Fog	FU = Smoke	FZ = Freezing	GR = Hail (>5 mm) -																														
GS = Small hail or snow pellets		HZ = Haze	IC = Ice crystals -																														
MI = Shallow	PL = Ice pellets	PO = Dust devils	PR = Banks -																														
RA = Rain	SA = Sand	SH = Showers	SG = Snow grains -																														
SN = Snow	SQ = Squalls	SS = Sandstorm	TS = Thunderstorm -																														
VA = Volcanic ash	VC = In vicinity	UP = Unidentified precipitation (AUTO METARS only)																															

Met. decodes Aerodrome actual weather --

METAR and SPECI decode -

Code element	Example	Decode
6. Cloud	FEW005 SCT010CB BKN025	'few at five hundred feet, scattered cumulonimbus at one thousand feet, broken at two thousand five hundred feet'
7. CAVOK†	CAVOK	'cav-oh-kay'
8. Temp and dew point	10/03	'temperature ten degrees Celsius, dew point three degrees Celsius'
9. QNH	Q0995	'nine nine five'
10. Recent weather	RETS	'recent thunderstorm'
11. Wind shear	WS RWY24	'wind shear runway two four'
12. Colour state	BLU	Blue
13. Trend	BECMG FM1100 23035G50KT 3000 SHRA	'becoming from 1100, 230 degrees 35 KT, max 50 KT, temporarily, 3,000 metres, moderate rain showers'
† CAVOK will replace visibility and cloud groups		

Example SAUK02 EGGY 301220 METAR
EGLY 301220Z 24015KT 200V280 8000 -RA FEW010 BKN025 18/15 Q0983
TEMPO 3000 RA BKN008=

An example of the above METAR for 1220 UTC on the 30th of the month, in plain language:

EGLY: Issued at 1220Z on 30th. Surface wind: mean 240 deg true, 15 KT; varying between 200 and 280 deg; prevailing visibility 8 km; weather: light rain; cloud: 1-2 oktas base 1,000 ft, 5-7 oktas 2,500 ft; temperature +18 °C, dew point: +15 °C; QNH 983 mb; Trend: temporarily 3,000 m in moderate rain with 5-7 oktas 800 ft.

	Notes
	FEW = 'few' (1-2 oktas), SCT = 'Scattered' (3-4 oktas), BKN = 'Broken' (5-7 oktas), - OVC = 'Overcast', NSC = no significant cloud (none below 5,000 ft and no TCU or CB) - There are only two cloud types reported; TCU = towering cumulus and CB = cumulonimbus. - VV/// = 'state of sky obscured' (cloud base not discernable). Figures in lieu of '///' give vertical - visibility in hundreds of feet. Up to three, but occasionally more, cloud groups may be - reported. Cloud heights are given in feet above airfield height - NCD = no cloud detected (AUTO METARS only) -
	Visibility greater or equal to 10 km, no cumulonimbus or towering cumulus, no cloud below 5,000 ft or highest minimum sector altitude (MSA) (whichever is the greater) and no weather significant to aviation.
	If dew point is missing, example would be reported as 10///. M indicates a negative value.
	Q indicates millibars. If the letter A is used QNH is in inches and hundredths.
	RE = recent, weather codes given above. Up to three groups may be present.
	Will not be reported at present for UK aerodromes.
	Military reports also display a colour state BLU, WHT, GRN, YLO1, YLO2, AMB or RED, coded according to cloud and visibility. BLACK indicates the runway is unusable
	A forecast of significant changes in conditions during the two hours after observation time. BECMG = Becoming TEMPO = Temporarily NOSIG = No sig change NSW = No sig weather AT = At FM = From TL = Until NSC = No sig cloud Any of the wind, visibility, weather or cloud groups may be used, and CAVOK. Multiple groups may be present.

Example SAUK02 EGGY 301220 METAR

EGPZ 301220Z 30025G37KT 270V360 6000 1200NE +SHSN SCT005 BKN010CB
03/M01 Q0999 RETS BECMG AT1300 9999 NSW SCT015=

An example of the above METAR for 1220 UTC on the 30th of the month, in plain language:

EGPZ: Issued at 1220Z on the 30th. Surface wind: mean 300 deg true, 25 KT; maximum 37 KT, varying between 270 and 360 deg; prevailing visibility 6 km, minimum visibility 1,200 m (to north-east); heavy shower of snow; Cloud. 3-4 oktas base 500 ft, 5-7 oktas CB base 1,000 ft; temperature +3 °C, dew point -1 °C; QNH 999 mb; Thunderstorm since the previous report; Trend: improving at 1300 Zulu to 10 km or more, nil significant weather, 3-4 oktas 1,500 ft.

Met. decodes

Metform 216

Explanatory notes for the new Metform 215

(Chart of forecast weather below 10,000 feet)

The Metform 215 provides a forecast of in-flight weather conditions below 10,000 feet covering the British Isles and very near Continent for a 9-hour period centred on a specified fixed time. It is designed for use as either an area forecast or a route forecast. For simplicity the same codes have been used as are used in the METAR code.

Information provided

(a) Charts

The chart area shows the forecast position, direction and speed of surface fronts and pressure centres at the fixed time shown in the chart's title box.

Zones of distinct weather are enclosed by continuous scalloped lines, each zone being identified by a letter within a box. Sub-zones may also be included and are indicated by a letter followed by a number e.g. A1. Where a zone is not linked to a front, the expected speed of movement of the boundary may be given.

(b) Tabular forecast

For each zone (identified by its number on the left hand chart), the text will detail the expected surface horizontal visibility, weather and cloud during the period of validity, including any sub zones referred to within the text and spatial or temporal variations within the zone. A general outlook is also included and describes the principal weather changes expected during the 7-hour period following the end of the chart validity.

Issue times

The date and time at which the forecast is issued by the Met Office are shown at the bottom left corner of the chart.

Issue time	Fixed forecast time	Period of validity	Look to	Prognostic time only
0330 UTC	1200 UTC	0800 – 1700 UTC	2359 UTC	1800 UTC
0930 UTC	1800 UTC	1400 – 2300 UTC	0600 UTC	0000 UTC
1530 UTC	0000 UTC	2000 – 0500 UTC	1200 UTC	0600 UTC
2130 UTC	0600 UTC	0200 – 1100 UTC	1800 UTC	1200 UTC

Amendments

Amendments will appear in black bold (italic and underlined) whenever an element changes through thresholds agreed between the Met Office and the CAA Met Authority. The word 'amended' at the top will appear in red.

Tolerances

	Original forecast	Revised opinion
General cloud base, AMSL (amounts of SCT or more)	2500 FT or more 1500 FT to 2500 FT 700 FT to 1500 FT 500 FT to 700 FT 300 FT to 500 FT 200 FT to 300 FT SFC. to 200 FT	< 2500 FT < 1500 FT or > 2500 FT < 700 FT or > 1500 FT < 500 FT or > 700 FT < 300 FT or > 500 FT < 200 FT or > 300 FT > 200 FT
Visibility (general visibility)	8 KM or more 5000 M to 8 KM 3700 M to 5000 M 2500 M to 3700 M 1600 M to 2500 M 800 M to 1600 M 000 M to 800 M	< 8 KM < 5000 M or > 8 KM < 3700 M or > 5000 M < 2500 M or > 3700 M < 1600 M or > 2500 M < 800 M or > 1600 M > 800 M

There are also amendment criteria for the occurrence/non-occurrence of weather, icing severity, turbulence severity and boundaries.
See UK AIP GEN 3.5 4.6d Amended Route/Area Forecast (Advisory Criteria).

Pressure centres and fronts

The surface positions of pressure centres are shown by an 'X' for low pressure and 'O' for high pressure accompanied by a letter 'L' (low) or 'H' (high) as appropriate.

Example pressure centres

x L

o H

Surface frontal positions



Warm front



Cold front



Occlusion



Trough

Speed of movement of fronts and centres will be indicated by arrows and adjacent figures in knots.



Usually a speed of movement less than 5 knots is indicated as 'SLOW'. Ridge axes are not normally shown.

Abbreviations commonly used in tabular section – a full list of abbreviations can be found in UK AIP, GEN 2.2

Points of the compass (N, NE, E, ENE etc.) may be used to express direction, or to refer to part of a zone.

Surface horizontal visibility expressed in metres (M) or kilometres (KM) with change over at 5,000 metres.

Met. decodes

Weather

DZ drizzle	GR hail	RA rain	SN snow
FG fog	HZ haze	BR mist	FZ freezing
SH shower	TS thunderstorm	GS small hail/snow pellets	GR hail

A – prefix (e.g. –DZ) indicates slight precipitation. -

No prefix indicates moderate precipitation (e.g. DZ). -

A + prefix indicates heavy precipitation (e.g. +RA). -

Weather phenomena may also be written as a combination of abbreviations, -
e.g. TSRASN (thunderstorm with moderate rain and snow).

Cloud

Cloud amount (FEW, SCT, BKN, OVC) and type will be followed by an icing -
and turbulence symbol, if appropriate, and then the height of the cloud base -
and tops above mean sea level (AMSL). -

The familiar abbreviations for cloud type will be used. -

Cloud tops extending above 10000 FT will be shown by XXX -


The following symbols will be used to show icing in cloud: -

Slight icing: not shown -

Moderate/severe icing (MOD/SEV icing):  -

The following symbols will be used to show turbulence in cloud as well as -
mechanical turbulence over land: -

Slight turbulence: not shown -

Moderate/severe turbulence (MOD/SEV TURB): -  -

A forecast of CB or TS implies severe turbulence and or icing

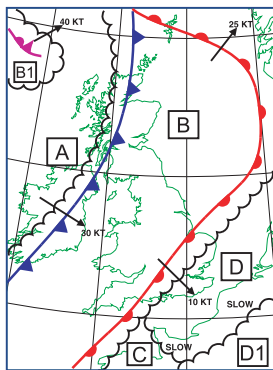
The height of the 0 °C isotherm (or ‘freezing level’) is provided in the column
to the right of the cloud and this can be used for guidance as to the level
above which icing is likely. The figure will indicate the average freezing level
within the area.

Mountain wave activity is included in the visibility and weather section with a
forecast vertical speed.

MAX maximum	WKN weakening	FPM feet per minute
VSP vertical speed	MTW mountain waves	

Hill FG is used to indicate hill fog and implies a surface visibility of less than
200 metres.

A full decode of the F215 is available at www.metoffice.gov.uk/aviation.



Forecast Weather below 10000 FT



Valid 101400 to 102300 Z JAN 06. Fronts/zones valid at 101800 Z

AREA	SURFACE VIS AND WX	CLOUD	0 C
A	30 KM NIL OCNL 7 KM SHRA ISOL 4000 M TSGR W FM 21 Z LOC 800 M SHSN MON A, (WDSPR, R, N) ISOL HILL FG	SCT/BKN CU SC, A, 015-030 / 070-XXX ISOL CB 015 / XXX W FM 21 Z	040-050
B	15 KM NIL-RA WDSPR 7 KM RA ISOL 4000 M *RA MAINLY FAR N AND B1 OCNL 3000 M RADZ/BR WARM SECTOR OCNL 800 M SN MON FAR NE MTW MAX VSP 700 FPM AT 080 A, A OCNL HILL FG	BKN/OVC SC AC AS, A, (LOC NS, A FAR N AND B1) A, 015-030 / 070 (-XXX MAINLY FRONTS) OCNL BKN ST 006-012 / 015 (LOC BASE 002 SEA/WINDWARD COT)	060-090 BUT 030-050 FAR NE
C	20 KM NIL	SCT/BKN CU SC, A, 015-020 / 030-040	060
D	15 KM NIL WDSPR 7 KM HZ LAN OCNL 3000 M BR LAN ISOL (OCNL D1) 200 M FG/FZFG LAN ISOL (OCNL D1) HILL FG	SCT/BKN (LOC FEW D1) SC 020 / 035 ISOL (OCNL D1) BKN ST 004-007 / 010-015 LAN (BASE 000 FG/FZFG)	050 WITH AREAS SUB ZERO 000-010 LAN

All heights in 100's of feet above mean sea level

XXX means above chart upper limit
Speed of movement in KT FEW: 1-2 SCT: 3-4 MOD / SEV ICE MOD / SEV TURB
+ FG implies VB <200 M BKN: 5-7 OVC: 8 TS / CB implies GR A, W, A
PZ precipitation implies W

This forecast may be amended at any time.

Issued by Met Office Exeter
Forecaster: Duty Forecaster
Contact telephone number 0870 900 0100
© Crown copyright 2006

100915 Z

F215

Outlook Until 110600 Z: SHOWERY CONDITIONS SPREADING SE TO ALL AREAS.

Metform 214

Complements Metform 215 (above) by providing forecast spot upper winds and temperatures covering a similar area.

Metforms 415 and 414

Metforms 415 (significant weather) and 414 (upper winds/temps) are charts prepared in a similar format (but no outlook) for low-level flights into Europe

An Outlook Chart is now only included with the Met Office web version of the F215 and shows only the expected positions of the principal synoptic features and mean sea level isobars at the end of the period. *Weather zones are not given on the prognosis chart.*

'Today's temporary airspace restrictions?' check NOTAMs and AIS Freephone 0500 354802



www.airspacesafety.com

En route information VHF Volmet -

Call sign/ID	Frequency MHz	Operating hours	Stations	Contents	Remarks
1	2	3	4	5	6
LONDON VOLMET (MAIN)	135.375	H24 (continuous)	Amsterdam Brussels Dublin Glasgow London Gatwick London Heathrow London Stansted Manchester Paris/Charles de Gaulle	1. Half-hourly reports (METAR) 2. The elements of each report are broadcast in the following order: (a) Surface wind (b) Visibility* (c) RVR if applicable (d) Weather (e) Cloud* (f) Temperature (g) Dew point (h) QNH (i) Recent weather if applicable (j) Wind shear if applicable	The spoken word 'SNOCLO' will be added to the end of the aerodrome report when that aerodrome is unusable for take-offs and landings due to heavy snow on runways or runway snow clearance
LONDON VOLMET (SOUTH)	128.600	H24 (continuous)	Birmingham Bournemouth Bristol Cardiff Jersey London Luton Norwich Southampton Southend	(k) Runway contamination warning if applicable (l) TREND if applicable * or CAVOK	
†LONDON VOLMET (NORTH)	126.600	H24 (continuous)	E Midlands Humberside Isle of Man Leeds Bradford Liverpool London Gatwick Manchester Newcastle Durham Tees Valley	3. Non-essential words such as 'surface wind', 'visibility', etc. are not spoken	
SCOTTISH VOLMET	125.725	H24 (continuous)	Aberdeen/Dyce Belfast International Edinburgh Glasgow Inverness London Heathrow Prestwick Stornoway Sumburgh	4. Except for 'SNOCLO' (see Column 6). The Runway State Group is not broadcast 5. All broadcasts are in English	
† Broadcast range extended to cover south-east England and English Channel					

It is not normally possible to receive VHF Volmet while abroad. However, certain short-wave portable radios with an SSB function may be able to receive the regular HF transmissions of METAR and airfield information from the RAF on 5,450 kHz and 11,253 kHz. These cover major military aerodromes in the UK and abroad. TAFs and METARs for major civilian aerodromes are broadcast from Shannon on 3,413 kHz (night only), 5,505 kHz and 8,957 kHz (24 hours), and 13,264 kHz (day only).

VHF European VOLMET

VHF VOLMET is primarily designed for international commercial IFR operations. Each broadcast should have a mean range of 200 NM at FL300. Coverage at low levels will be significantly less than this. In addition to London Main, North and South, as well as Scottish VOLMET, the following broadcasts may be received in some parts of the UK.

AMSTERDAM 126.200 MHz	BRUSSELS 127.800 MHz	DUBLIN 127.000 MHz	PARIS 126.000 MHz
Amsterdam Rotterdam Brussels Düsseldorf Paris/CDG London/Heathrow London/Gatwick Copenhagen Hamburg	Brussels Oostende London/Heathrow Luxembourg Amsterdam Paris/Orly Frankfurt Cologne-Bonn Düsseldorf	Dublin Shannon Cork Belfast Glasgow Prestwick Manchester London/Heathrow London/Gatwick	Paris/CDG Paris/Orly Lyon/Satolas Geneva Zurich London/Heathrow London/Gatwick Brussels Amsterdam

Aerodrome terminal information service (ATIS)

Certain aerodromes provide weather and/or aerodrome information by telephone, although not necessarily as a 24-hour service:

Belfast City ATIS	02890 935124	Kirkwall ATIS	01856 878476
Benbecula ATIS	01870 604818	Leeds Bradford ATIS	0113 2509696 x2489
Birmingham ATIS	0121 780 0910	Liverpool ATIS	08717 505150
Blackpool ATIS	01253 343434 x8315	London City ATIS	020 7646 0224
Bournemouth ATIS	01202 364151	London Stansted ATIS	01279 669325
Cardiff ATIS	01446 729319	Lydd ATIS	01797 322 422
Carlisle ATIS	01228 574123	Manchester ATIS	0161 499 2324
Durham Tees Valley ATIS	09012 018111	Newcastle ATIS	0191 2143400
East Midlands ATIS	0906 851 7567	Norwich ATIS	01603 420640
Edinburgh ATIS	0131 333 6216	Shoreham ATIS	01273 467372
Glasgow ATIS	0141 887 7449	Southampton ATIS	02380 625877
Guernsey ATIS	01481 238957	Stornoway ATIS	01851 707444
Humberside ATIS	01652 682020	Sumburgh ATIS	01950 461037
Inverness ATIS	01667 464255	Wick ATIS	01955 607596
Jersey ATIS	01534 498073		

Useful contacts

Important telephone numbers – AAIB (DfT)

- | | |
|---|---------------------------|
| ■ Accident reporting, AAIB (DETR)
Tel: 01252 512299 | Fax: 01252 376999 |
| ■ Emergency Alerting (Distress & Diversion) Cell, LATCC (NATS)
Tel: 01489 612406 | |
| ■ Airprox reporting, UKAB
Tel: 0208 842 6051 | Fax: 0208 842 6056 |
| ■ Occurrence reporting, Safety Data Dept (CAA)
Tel: 01293 573220 | Fax: 01293 573972 |
| ■ Confidential Human Factors Incident Reporting (CHIRP)
Tel: 0800 214645 (UK only)/01252 395013 | Fax: 01252 394290 |

Other useful numbers -

- | | |
|---|---|
| ■ Aircraft registration (CAA)
Tel: 020 7453 6666 Fax: 020 7453 6670 | ■ NOTAMs and aeronautical information, AIS (NATS)
Tel: 020 8750 3773 Fax: 020 8750 3775 |
| ■ C of A, Permits to fly, Applications & Approvals (CAA)
Tel: 01293 768374 Fax: 01293 573860 | ■ Personnel licensing (CAA)
Tel: 01293 573700 Fax: 01293 573996 |
| ■ Enforcement of regulations (CAA)
Tel: 020 7453 6193 Fax: 020 7453 6175 | ■ Publications
Most are available on the CAA website
www.caa.co.uk/publications
Printed copies available from
The Stationery Office (TSO)
Tel: 0870 600 5522 |
| ■ Exemptions, permissions, etc., FOI (GA) (CAA)
Tel: 01293 573525 Fax: 01293 573973 | CAA publications listed on TSO website:
www.tso.co.uk |
| ■ GA design certification (CAA)
Email: department.certification@srg.caa.co.uk | ■ Safety Promotion, GASIL, etc. FOI (GA) (CAA)
Tel: 01293 573225 Fax: 01293 573973 |
| ■ Library (CAA)
Tel: 01293 573725 Fax: 01293 573181 | |
| ■ Medical Division (CAA)
Tel: 01293 573700 Fax: 01293 573995 | |

The CAA website **www.caa.co.uk** includes GA safety promotion information including GASIL and all SafetySense leaflets through 'publications' & 'general aviation'.

CAA Survey Department

For matters relating to aircraft maintenance, contact your regional office.

North East & Midlands

Tel: 01332 813400

Fax: 01332 850335

Manchester

Tel: 0161 216 4500

Fax: 0161 216 4549

South Western

Tel: 01934 529850

Fax: 01934 522068

Southern

Tel: 01293 768600

Fax: 01293 768601

Stansted

Tel: 01279 466747

Fax: 01279 466757

Luton

Tel: 01582 410304

Fax: 01582 457961

Stirling

Tel: 01786 431400

Fax: 01786 448030

SRG maintenance requirements and policy

Tel: 01293 573367

Fax: 01293 573984



Filing Flight plans

Guidance for completing flight plans is contained in AIP at ENR 1.10 – Flight Planning, and Safety Sense Leaflets 20 and 27. File when flying IFR in controlled airspace, when crossing an international boundary, or when flying over areas with sparse populations.

If your aerodrome of departure does not have an ATS unit, the primary means for filing flight plans should be through the Assisted Flight Planning Exchange (AFPEX) service. This allows pilots and small aerodromes access to file their own flight plans and other flight related messages.

The Civil Aviation Communications Centre (CACC) at Swanwick administers the AFPEX service and staffs the AFPEX Helpdesk to assist in filing flight plans and related messages. Permission to use AFPEX will only be granted to bona fide users based in the UK only and may be obtained from the CACC by e-mail to **flightplanningonline@nats.co.uk**. Application forms are available on the website **www.flightplanningonline.co.uk** and approved users are issued with a LOGIN, unique password and pass-phrase to access their personal mailbox. An internet connection is essential but, once approved, an operator can file their flight plan from any computer.

Pilots wishing to file a flight plan who do not have access to AFPEX, or are unable to access the system for some reason, may continue to use the AFTN “parent units” listed in the AIP at ENR 1.10 – Flight Planning, and Safety Sense Leaflet 20.

The contact number for the AFPEX Helpdesk can also be used to close a flight plan or to cancel a state of emergency after landing if you have been unfortunate enough to need to declare one. The number can also be used by the nominated ‘responsible person’ to activate a flight plan, or in the event of an aircraft not arriving at its destination, to initiate overdue action.

CACC Contact Numbers (available 24 hours a day):

Helpdesk Telephone: **0845 601 0483**

Registration and Queries: **0845 601 0484**

Today's PILOT

SPECIAL SUBSCRIPTION OFFER



£5.00 Extra Saving Certificate

TO CHECK OUT THE VERY LATEST
SUBSCRIPTION OFFER TO TODAY'S PILOT
AND CLAIM AN **EXTRA £5.00** GO TO

www.todayspilot.co.uk

SIMPLY ENTER 'GETMET'
AS THE COUPON CODE AT THE CHECKOUT

OR CALL

+44(0)1780 480404

AND QUOTE 'GETMET' TO AN ADVISOR

OFFER CLOSE DATE 31.12.10



In Belgium, the meteorological service of Belgocontrol is responsible for the provision of meteorological information for civil aviation.

Airports and products

Name	ICAO	telephone meteo briefing	briefing office ³	METAR/ SPECI	TREND	TAF
Brussels Airport	EBBR	+32 (0)22 06 28 50 ¹ +32 (0)90 28 81 73 ²	X (Crew Center)	X	X	X
Charleroi/Brussels-South	EBCL	+32 (0)71 25 12 24	X (Crew Center)	X	X	X
Liège	EBLG	+32 (0)42 34 85 73	X	X	X	X
Antwerp	EBAW	+32 (0)32 85 69 16	X	X	X	X
Ostend	EBOS	+32 (0)59 55 14 52	X	X	X	X
Spa	EBSP			X ⁴		
St.-Hubert	EBSH			X ⁴		

¹ : meteo briefing + consultation for IATA users

² : meteo briefing + consultation for general aviation, ballooning, glider flying (appr. 1 Euro/min)

³ : the flight documentation for scheduled and routine flights consists of significant weather charts, forecast upper wind and temperature charts, TAFs, SIGMETs

⁴ : automatic observations

Other products

- **SIGMETs and AIRMETs** are available for Brussels FIR whenever appropriate
- **Low-Level Significant Weather Charts** are available for Brussels FIR for the following fixed validity times: 0600, 0900, 1200, 1500 and 1800. Charts are available 4 hours before hour of validity
- **GAMETs** are available for the Brussels FIR for validity periods (UTC) 00-06, 06-12, 12-18, 18-24 with an outlook for the next 6 hours. Forecasts are available three hours before the start of the validity period
- **Glider Flying Bulletins** are available for the Belgian territory in the summertime period from 1 March until 31 October. They are available at 07:30 LT and are valid from 08:00 LT until sunset



Two types of Ballooning Bulletins are available for the Belgian territory; one for morning flights and a second for dusk flights:

- **The morning flight bulletin** is issued at 02:30UTC (1 Mar until 31 Oct) or at 05:30UTC (1 Nov until 30 Apr) and is valid between 1Hr before sunrise until 2Hrs after sunrise
- **The dusk flight bulletin** Is issued at 10:30UTC and is valid between 2Hrs prior to sunset and 1Hr after sunset. During summer (1 Mar until 31 Oct) an update is issued at 14:30UTC

Services

The Belgocontrol website at www.belgocontrol.be offers both flight briefing and meteorological information to professional as well as non-professional pilots, glider flyers and ballooners. The service is free of charge, but restricted to registered users. The following products can be consulted:

- | | |
|--|-------------------------------------|
| ■ TAFs | ■ Upper Wind and Temperature Charts |
| ■ METARs | ■ Glider Flying Bulletins |
| ■ SIGMETs | ■ Ballooning Bulletins |
| ■ Significant Weather Charts | ■ Radar Images |
| ■ Low-level Significant Weather Charts | ■ Meteogram |
| ■ AIRMETs | ■ Satellite Images |
| ■ GAMETs | ■ 10m Wind Charts |

Brussels EUR OPMET Database can be interrogated via the AFTN network (AFTN address: EBBRYZYX). The database contains the latest METAR, SPECI, SIGMET and TAF messages for all the major airports/FIRs worldwide. For more information please consult the ICAO EUR OPMET Database catalogues. Type the following in your browser's address bar:

<ftp://BmgUser:aero@ftp.belgocontrol.be/public/OPMET-DB/catalogues>

Climatological information can be obtained by sending a request by:

Regular mail:	Belgocontrol Meteorological Department, Tervuursesteenweg 303, B-1820 Steenokkerzeel, Belgium
Email:	clim_data@belgocontrol.be
FAX:	+32 (0)22 06 28 09



The Netherlands

The Royal Netherlands Meteorological Institute (KNMI) is responsible for the provision of meteorological services for civil aviation in the Netherlands (EHAA FIR).

The central forecasting office, and appointed Meteorological Watch Office (MWO EHDB) for Amsterdam FIR, is located at the KNMI office in De Bilt. The MWO provides meteorological services to flights operating from aerodromes in the Netherlands, where no aerodrome met. office is established, and outside the operating hours of other aerodrome met. offices.

Briefing/consultation (H24) by MWO, is only available by calling from within the Netherlands at a rate of approximately €0.50 per minute.

VFR tel: 0900-202 33 41

IFR tel: 0900-202 33 43

Self-briefing facilities

Meteorological self-briefing systems containing flight documentation are available at the met offices at aerodromes EHAM, EHBK, EHEH, EHGG and EHRD.

The information is updated continuously and consists of:

- data in alphanumeric form (OPMET), i.e. TAFs, METARs, SIGMETs which can be obtained as single messages, collected in lists or for specified routes;
- aeronautical meteorological charts for upper winds, upper-air temperatures and significant weather, Amsterdam FIR weather radar, satellite images, etc. Most of the products are based on data distributed within the World Area Forecast System (WAFS) and are available for most of the ICAO regions.

At all other airports meteorological information can be obtained at the airport office. Dutch users can obtain aeronautical information via the internet, **www.aviationweather.nl**. Access is restricted to aviation users planning flights operating from aerodromes within the Dutch area of responsibility.



Aerodrome	ICAO	METAR	TAF 9-hr	TAF 18/24-hr
Ameland	EHAL			
Amsterdam Airport Schiphol	EHAM	X (H24)	X	X
Budel	EHBD			
†Den Helder Airport (military)	EHKD	X (H24)	X	
Drachten	EHDR			
Eindhoven (military)	EHEH	X	X	
†Groningen Airport Eelde	EHGG	X (H24)	X	
Hilversum	EHHV			
Hoogeveen	EHHO			
Lelystad Airport	EHLE			
†Maastricht Aachen Airport	EBBK	X (H24)	X	X
Midden Zeeland	EHMZ			
Noordoostpolder	EHNP			
†Rotterdam Airport	EHRD	X (H24)	X	X
Seppe	EHSE			
Teuge	EHTe			
Texel	EHTX			
Twenthe (military)	EHTW			

† AUTO METAR during operational hours

KNMI Aviation Department PO Box 201 3730 AE DE BILT

Tel: +31 30 22 06 721 Fax: + 31 30 22 11 371

Email: aviation@knmi.nl www.knmi.nl

'Transponder equipped?'

squawk Mode A and C



www.airspacesafety.com



METEO FRANCE

Aeroweb® – www.meteo.fr/aeroweb
(available in English)

Via the internet, you can obtain continuously updated met information:

THE WEATHER FOR ENGINE POWERED FLIGHTS

- Visualization of METAR, SPECI, METAR AUTO and TAF on a map of France
- Consult the latest OPMET data for an aerodrome
- Consult GAFFO/GAFOR forecasts by VFR area and description of the GAFFO/GAFOR and ODMX codes

METEOROLOGICAL FLIGHT INFORMATION

You can generate your meteorological flight documentation (Global OPMET, upper winds and significant weather charts, etc.) in two different ways :
Choosing among a list of pre-established flight documentation from various French destinations:

- Pre-established flightdocumentation
www.meteofrance.com/FR/aviation/ident/dossiers_vol_preetablis.jsp

Using a form to obtain a personalised flight documentation:

- Personalised flight documentation
www.meteofrance.com/FR/aviation/ident/dossiers_vol_perso.jsp

AEROLOGY FOR GLIDING

Consult a radiosounding (raw and/or emagrams):

- Pre-established flight documentation
www.meteofrance.com/FR/aviation/ident/obs_aero.jsp

Consult the regional tactical bulletins and/or the local fine aeronautical bulletins (primarily produced from April 1st to September 30th):

- Aeronautical forecasts
www.meteofrance.com/FR/aviation/ident/prev_aero_tactiques.jsp

Access the meteorological glossary for gliders, hang-gliders and para-gliders:

- Aeronautical glossary
www.meteofrance.com/FR/aviation/ident/lexique.jsp



METEO FRANCE

Flight feedbacks

Describe the weather conditions encountered during your flight and take an active part in the development of future forecast tools:

- Weather flight report conditions

www.meteofrance.com/FR/aviation/ident/recit_vol.jsp

Gliders, hang-gliders, paragliders, share directly with forecasters the real weather conditions encountered during your flight:

- Aeronautical weather flight report

www.meteofrance.com/FR/aviation/ident/rapport_vol.jsp

Available data

Consult the catalogue of SIGWX charts as well as WITEM at various flight levels:

- Charts catalogue - AEROWEB

www.meteofrance.com/FR/aviation/ident/catalogue_cartes.jsp

Consult the list of aerodromes where OPMET data is available:

- OPMET catalogue- AEROWEB

www.meteofrance.com/FR/aviation/ident/catalogue_opmet.jsp

Do not forget to browse all the NOTAMs related to your flight on the Aeronautical Information Service, a separate website:

- Aeronautical Information Service (SIA/Olivia).

<http://olivia.aviation-civile.gouv.fr/>

To use **Aeroweb**®, you need a personal access code. In order to obtain this free - service, send your request, with a copy of your pilot's licence, to: -
Météo-France – DP/SERVICES – codes aéronautiques – 42, Avenue Coriolis -
F-31057 TOULOUSE Cedex FRANCE or by email: serv-code@meteo.fr -



Speak to a forecaster (24 hrs):

+33 08 99 70 12 15

This number puts you in touch with an experienced aviation forecaster (French speaking) for the region you are calling. The forecaster provides you with a:

- briefing of the general meteorological situation over the met region (hazardous phenomena, surface and upper winds, 0 °C level, turbulence if any);
- briefing on forecast tendency for the met region;
- detailed forecasts on significant weather, visibility and height of clouds for the area you are calling (France is divided into 14 areas, divided into 60 zones).

Call charges are €1.35/minute for access, plus €0.34/minute.

Aerofax® – 05 61 07 84 85 (or + 33 5 61 07 84 85 from outside France)

Dial-up for forecasts and bulletins. Aerofax provides you with TAFs, METARs, SPECI, and SIGMETs for the EUR region, significant weather charts for EURO C and France areas, and associated upper-wind and temperature charts. You need a fax able to go into 'manual receive'. By dialling the number, you will instantly receive the document required. On your first call, obtain the instructions using the following sequence:

- dial 05 61 07 84 85 on your fax/telephone;
- when answered, dial your personal access code followed by «#» key;
- dial «90» and «#» key;
- after the tone, put your fax on 'receive mode'.

To use Aerofax, you need a personal access code which is the same as the code for Aeroweb. In order to obtain this free service, send your request, with a copy of your pilot's licence, to:

Météo-France – DP/SERVICES – codes aéronautiques – 42, Avenue Coriolis F-31057 TOULOUSE Cedex FRANCE or by email: serv-code@meteo.fr

Météo-France publishes a booklet called 'Guide aviation de Météo-France' in which you will find a complete description (in French) of available services for VFR aviation. Ask for it at any meteorological centre in France.





Ireland

In Ireland the meteorological service, Met Éireann, is responsible for the provision of meteorological information for civil aviation. At all major aerodromes meteorological information can be obtained at the airport office/self-briefing units.

Products available include:

Weatherdial Fax

Automated weather forecasts, updated regularly, available by fax. Includes METARs and TAFs for Ireland, UK and northern France. Local Area Forecasts (LAFs) for Irish regional airports.

To access Weatherdial Fax call **1570 131 838**, product code **0400**
Aviation calls are charged at €1.75 per minute.

MetFax

MetFax allows customers to have customised aviation weather data faxed to a number of their choice either on a routine or non-routine basis. The service costs €2.50 per page plus a €2 service charge. To set up a MetFax account dial **+353 61 712950**.

OPMET data

Call **1570 20 21 22** for TAFs, METARs and SIGMETs. Calls are charged at €1.75 per minute.

Forecaster briefing

Call **1570 234 234** for direct contact with a forecaster for a briefing, or further clarification on any information supplied. Calls are charged at €1.75 per minute.

(Prices correct at time of notification. Please check AIP for information updates.)

The above numbers are only accessible from the Republic of Ireland.



Met Office

Safer

Make a difference to your flying time with
our weather services



www.metoffice.gov.uk/aviation

- Essential, free and subscription pre-flight information
- Aviation weather training



Uncertainty

Opportunity

Global Aerospace are the world's leading specialist aviation insurer. In an uncertain world, with over 80 years experience, we provide aviation insurance to meet the varying needs of all types of general aviation operations.

www.global-aero.com

Global Aerospace Underwriting Managers Limited
is authorised and regulated by the Financial Services Authority

GLOBAL AEROSPACE



Your Aviation Insurer of Choice

Britain's best-selling General Aviation magazine

3 ISSUES OF *Pilot* FOR £3

Start your subscription to *Pilot* with **3 issues (3 months)** for **only £3, saving over 70%**. If you are not totally satisfied you can cancel at any time and receive a full refund on any unmailed issues. If you decide to continue you will pay just £17.97 every 6 months (6 issues). UK Direct Debit payment only.

Inside every issue:

- **Flight Tests and Buyer's Guide**
- **Old-Timers**
News of classics, warbirds, museums and air shows
- **Practical Aviation**
Tips to save you money and make flying more enjoyable
- **Plus, up to 6 FREE landing vouchers**

**SAVE
OVER
70%**

EASY WAYS TO ORDER

1. Call 0844 848 5232 and quote GETM
2. Visit www.subscription.co.uk/pilot/GETM

Terms & conditions: This offer is available for UK subscriptions only (excluding BFPO addresses) and when paying by Direct Debit. *Pilot* is published 12 times per year. Savings based on the cover price of £3.60 per issue.

Overseas readers – for the latest offers, please call +44 (0)1858 438 840

