

SIGNIFICANT WEATHER
FIXED TIME PROGNOSTIC CHART
ICAO AREA EUR
FL 100-450
VALID 1200 UTC 19 AUG 2009
BASED ON WAFC LONDON DATA
Processed by AIR SUPPORT A/S Denmark
Generated: 18-08-09 19:53:44 UTC
Projection: Stereographic

CB IMPLIES TS, GR, MOD OR SEV TURBULENCE AND ICE
UNITS USED: HEIGHT IN FLIGHT LEVELS
CHECK SIGMET, ADVISORIES, ASHTAM

IN-CLOUD TURBULENCE, IN-CLOUD ICING and CB AREAS

- ① 160/230 160/230
- ② ISOL EMBD CB XXX/300
- ③ ISOL EMBD CB XXX/360
- ④ XXX/200 XXX/200
- ⑤ 130/200 130/200
- ⑥ ISOL EMBD CB XXX/280
- ⑦ ISOL EMBD CB XXX/250
- ⑧ XXX/220 XXX/220
- ⑨ XXX/170 XXX/170
- ⑩ XXX/120 XXX/120
- ⑪ ISOL EMBD CB XXX/340
- ⑫ OCNL CB XXX/370
- ⑬ XXX/160 XXX/160

CAT AREAS

- ① 260/440
- ② 280/390

VOLCANIC ERUPTIONS

ETNA 37.7N 15.0E

CAT: Clear Air Turbulence
JET STREAM: wind speed ≥ 80 KT
JET STREAM DEPTH: heights of 80KT
isotach below and above jet core.

ISOL: Isolated – less than 1/8 coverage
OCNL: Occasional – 1/8 to 4/8 coverage
FRQ: Frequent – 5/8 to 8/8 coverage

WAFC: World Area
Forecast Centre, a part
of ICAO World Area
Forecast System
(WAFS)

CAT area 2: moderate
turbulence between
FL280 and FL390

CB area 7: Isolated
embedded CB, base
below FL100, top
FL250

Change in wind speed
 ± 20 KT. Wind speed at
the point: 110-20=90KT

In-Cloud Turbulence and
In-Cloud Icing area 13:
moderate turbulence and
moderate icing between
FLXXX and FL160.
XXX=below FL100

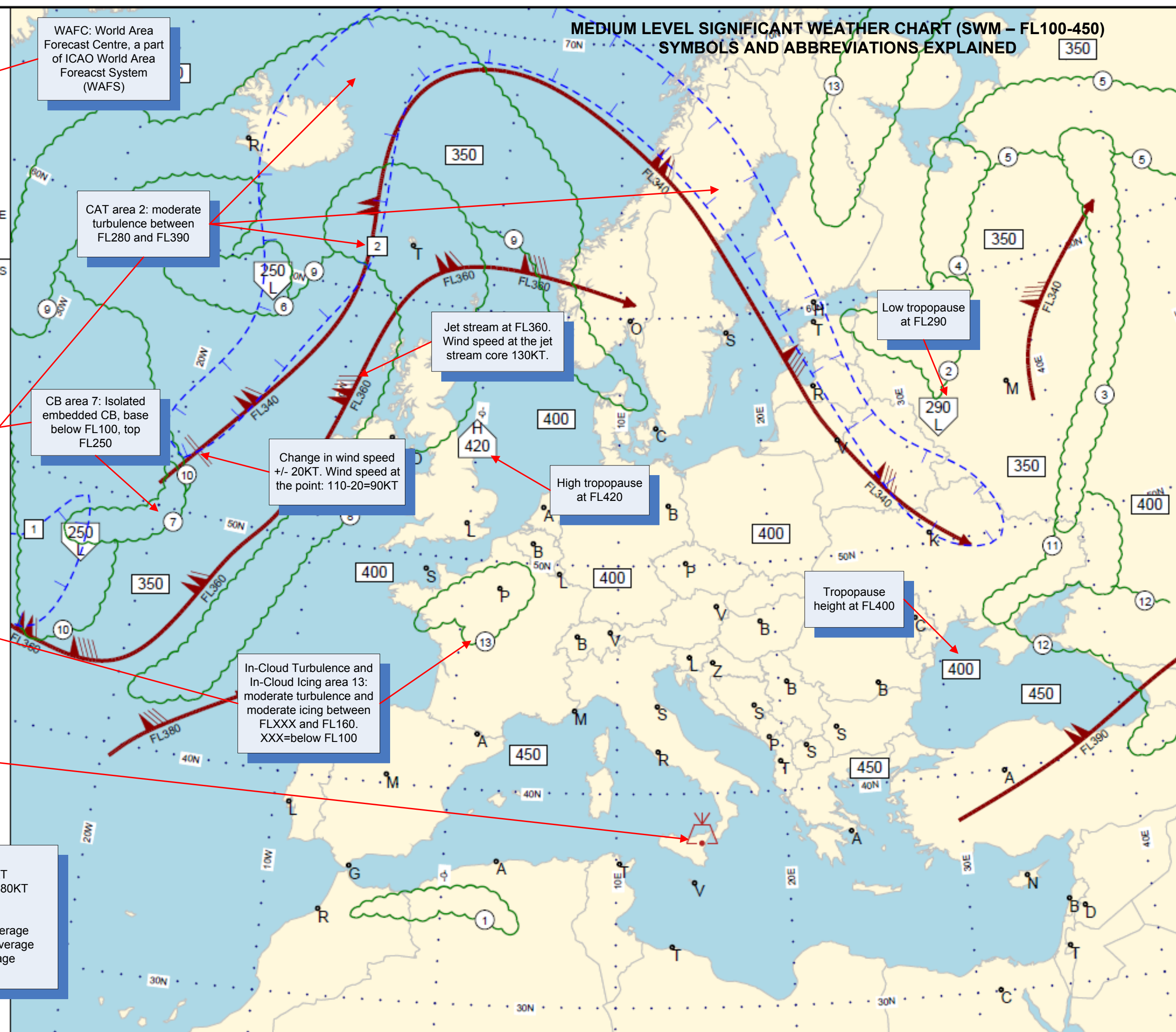
Jet stream at FL360.
Wind speed at the jet
stream core 130KT.

High tropopause
at FL420

Low tropopause
at FL290

Tropopause
height at FL400

MEDIUM LEVEL SIGNIFICANT WEATHER CHART (SWM – FL100-450)
SYMBOLS AND ABBREVIATIONS EXPLAINED



CB IMPLIES
TS, GR, MOD OR SEV TURBULENCE AND ICE
UNITS USED: HEIGHT IN FLIGHT LEVELS
CHECK SIGMET, ADVISORIES, ASHTAM
AND NOTAM FOR VOLCANIC ASH

SIGNIFICANT WEATHER FIXED TIME PROGNOSTIC CHART
ICAO AREA B1 FL 250-630 VALID 1200 UTC 20 AUG 2009
BASED ON WAFC WASHINGTON DATA
Projection: Mercator

Processed by
AIR SUPPORT A/S DENMARK
Created: 19-08-09 19:08:58 UTC

CB CLOUD AREAS

- ① OCNL EMBD CB XXX/530
- ② ISOL EMBD CB XXX/500
- ③ ISOL EMBD CB XXX/420
- ④ ISOL EMBD CB XXX/450
- ⑤ FRQ CB XXX/500
- ⑥ ISOL EMBD CB XXX/530
- ⑦ ISOL EMBD CB XXX/390
- ⑧ ISOL EMBD CB XXX/320
- ⑨ OCNL EMBD CB XXX/560
- ⑩ ISOL EMBD CB XXX/370
- ⑪ ISOL EMBD CB XXX/350
- ⑫ ISOL EMBD CB XXX/380
- ⑬ ISOL EMBD CB XXX/340
- ⑭ ISOL EMBD CB XXX/300
- ⑮ ISOL EMBD CB XXX/360
- ⑯ ISOL EMBD CB XXX/400
- ⑰ ISOL EMBD CB XXX/280

CAT AREAS

- 1 XXX/330
- 2 XXX/320
- 3 XXX/380
- 4 XXX/350
- 5 290/370

VOLCANIC ERUPTIONS

- ETNA 37.7N 15.0E
CHAITEN 42.8S 72.7W

CAT: Clear Air Turbulence
JET STREAM: wind speed ≥ 80 KT
JET STREAM DEPTH: heights of 80KT
isotach below and above jet core.

ISOL: Isolated – less than 1/8 coverage
OCNL: Occasional – 1/8 to 4/8 coverage
FRQ: Frequent – 5/8 to 8/8 coverage

WAFC: World Area
Forecast Centre, a part
of ICAO World Area
Forecast System
(WAFS)

HIGH LEVEL SIGNIFICANT WEATHER CHART (SWH – FL250-630)
SYMBOLS AND ABBREVIATIONS EXPLAINED

