

**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

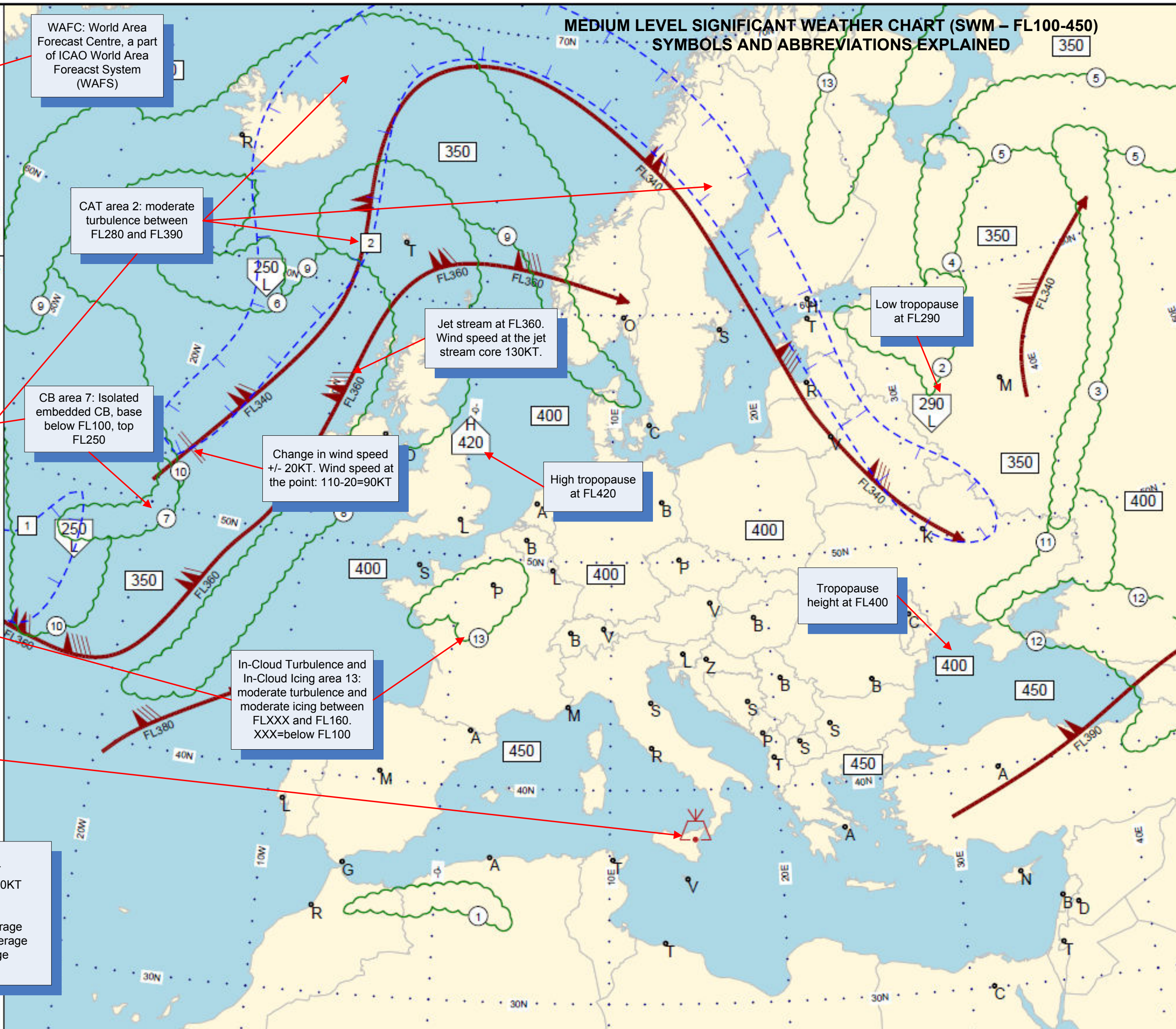
VOLCANIC ERUPTIONS

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

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



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
+/- 20KT. Wind speed at
the point: 110-20=90KT

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

Low tropopause
at FL290

High tropopause
at FL420

Tropopause
height at FL400

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

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

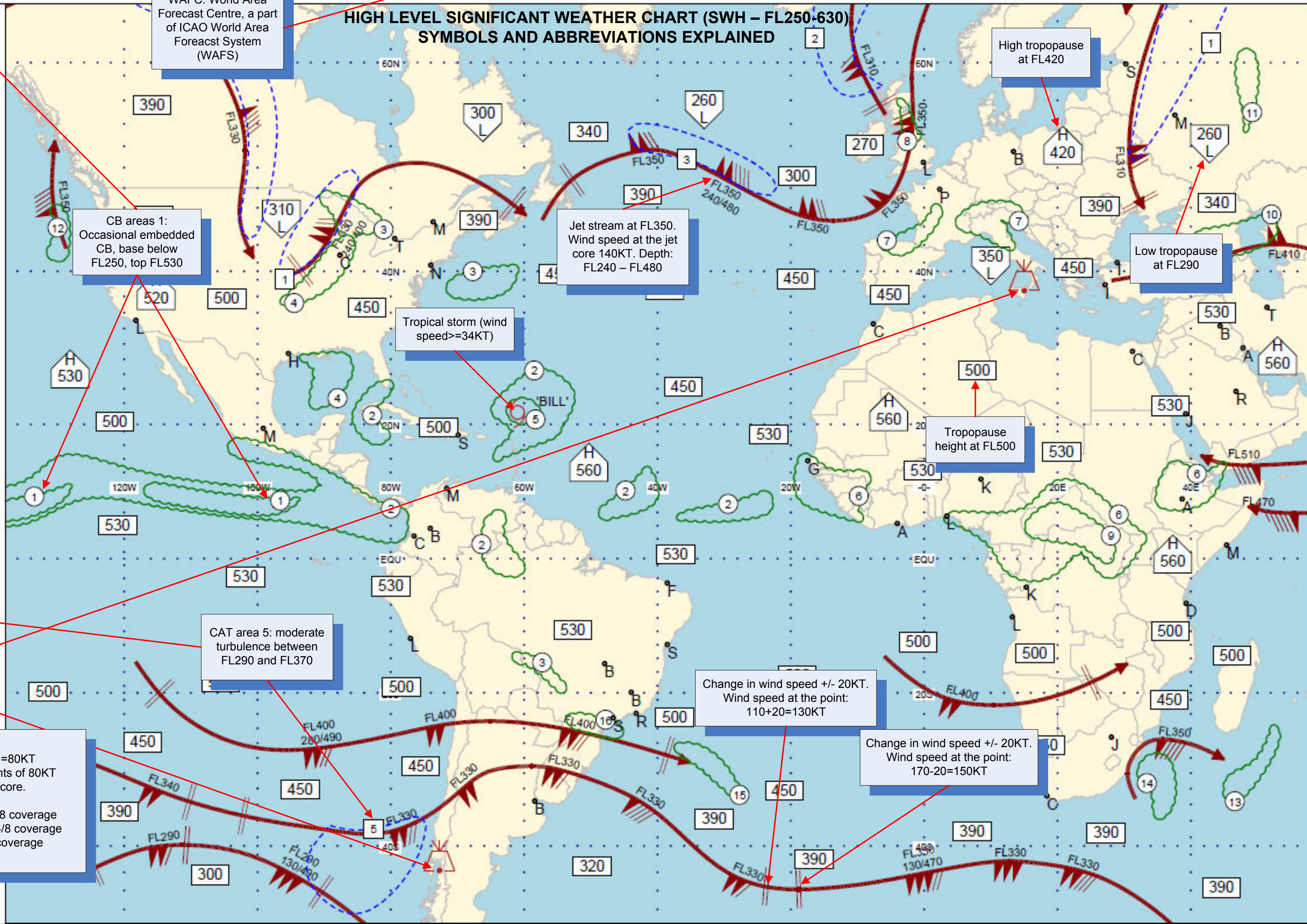
- CAT AREAS**
- 1 XXX/330
 - 2 XXX/320
 - 3 XXX/380
 - 4 XXX/350
 - 5 290/370

- 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



CB areas 1: Occasional embedded CB, base below FL250, top FL530

Jet stream at FL350. Wind speed at the jet core 140KT. Depth: FL240 – FL480

Tropical storm (wind speed ≥ 34 KT)

High tropopause at FL420

Low tropopause at FL290

Tropopause height at FL500

CAT area 5: moderate turbulence between FL290 and FL370

Change in wind speed ± 20 KT. Wind speed at the point: $110+20=130$ KT

Change in wind speed ± 20 KT. Wind speed at the point: $170-20=150$ KT