

SATELLITE ANALYSIS

VT: 20 AUG 03Z POSTED AT: 20/0326Z

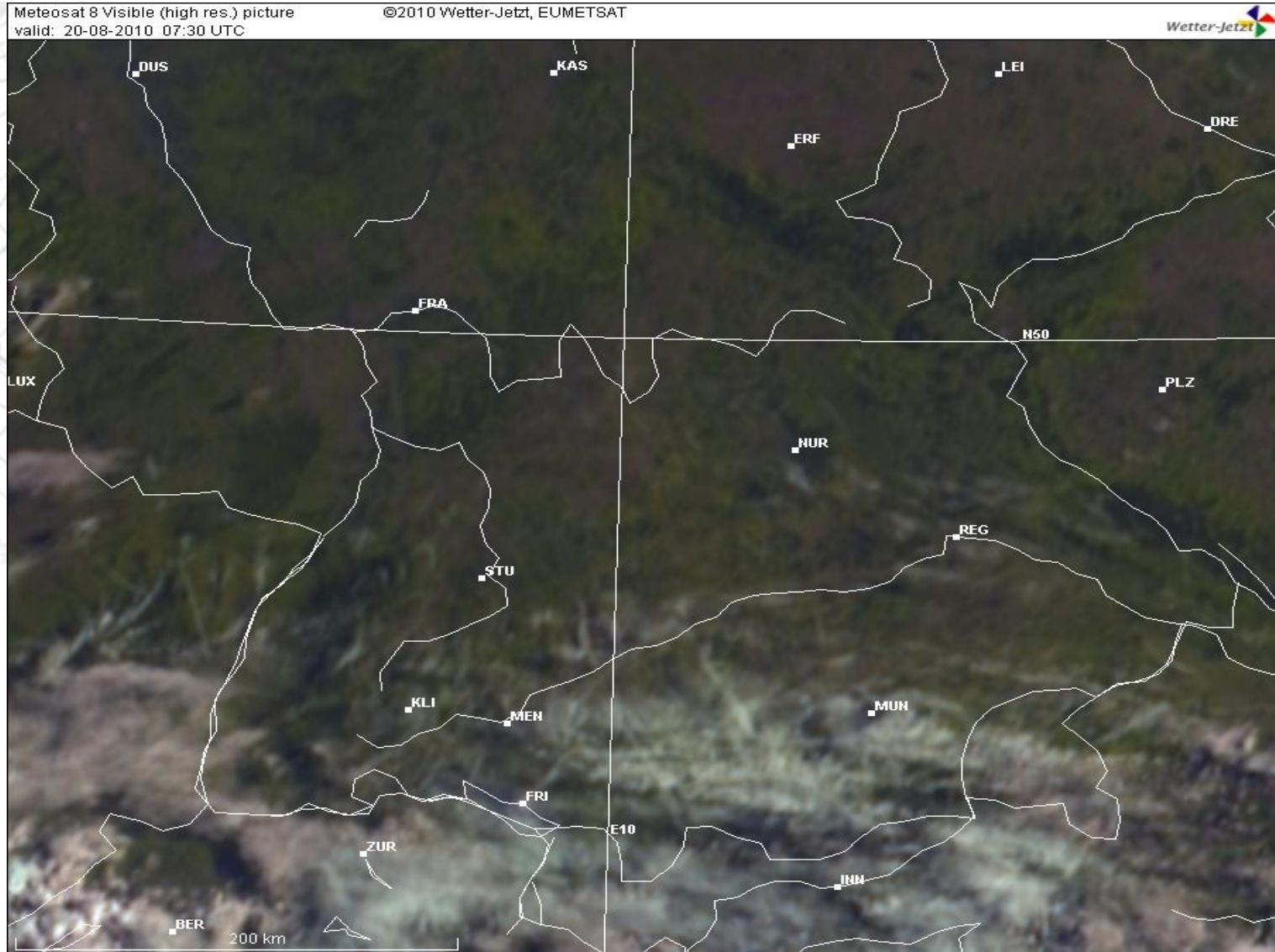
- | | | | | | | | | | | | | | | |
|--|------------------|--|------------|--|--------------|--|------------|--|------------------|--|---------------|--|----------|--|
| | - COLD FRONT | | - TROUGH | | - RAINSHOWER | | - DRIZZLE | | - FRZG RAIN | | * CURRENT LTG | | T-30 MIN | |
| | - WARM FRONT | | - T-STORMS | | - SNOWSHOWER | | - FOG | | - FRZG DRIZZLE | | T-0 MIN | | T-45 MIN | |
| | - OCCLUDED FRONT | | - RAIN | | - SNOW | | - FRZG FOG | | - DUST/SANDSTORM | | T-15 MIN | | T-60 MIN | |

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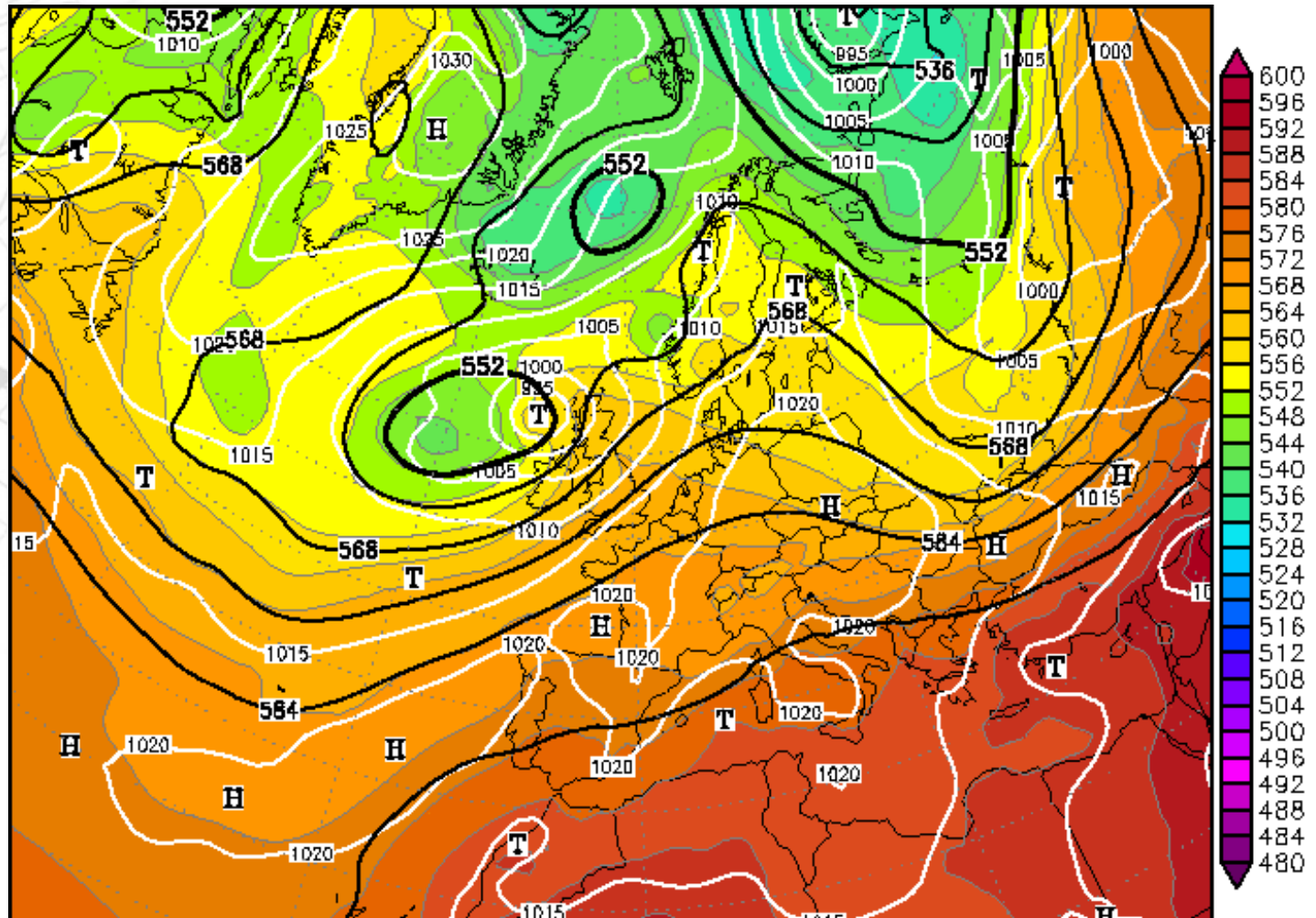
DSMJ 2010 Musbach

Sattelite-HiRes-Southern Germany



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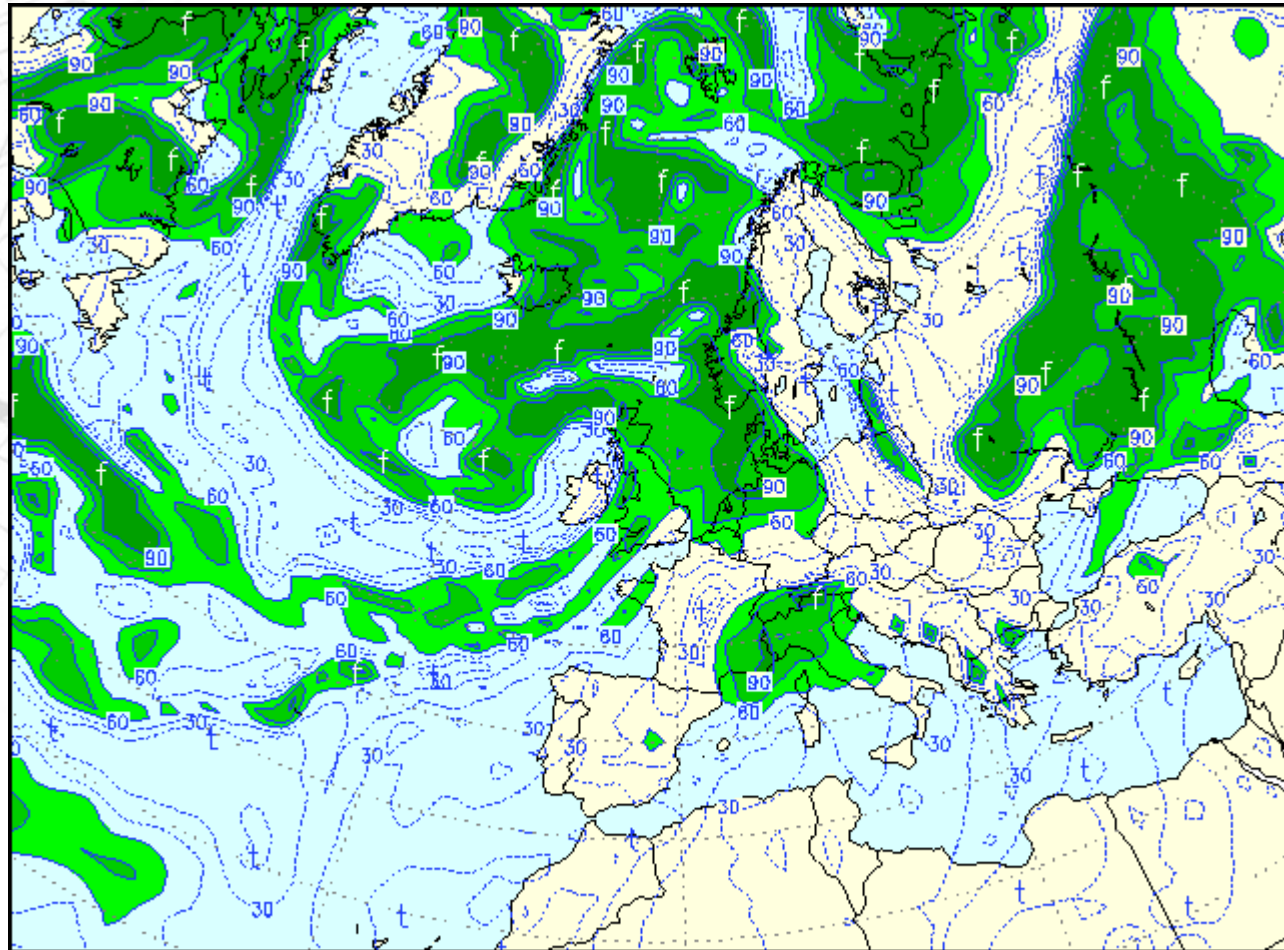




500 hPa Geopotential [gpdm], Bodendruck [hPa], relative Topographie H500-H1000 [gpdm]
Freitag, 20-08-2010 12 UTC (GFS) (Freitag 00 + 12) © www.wetter3.de

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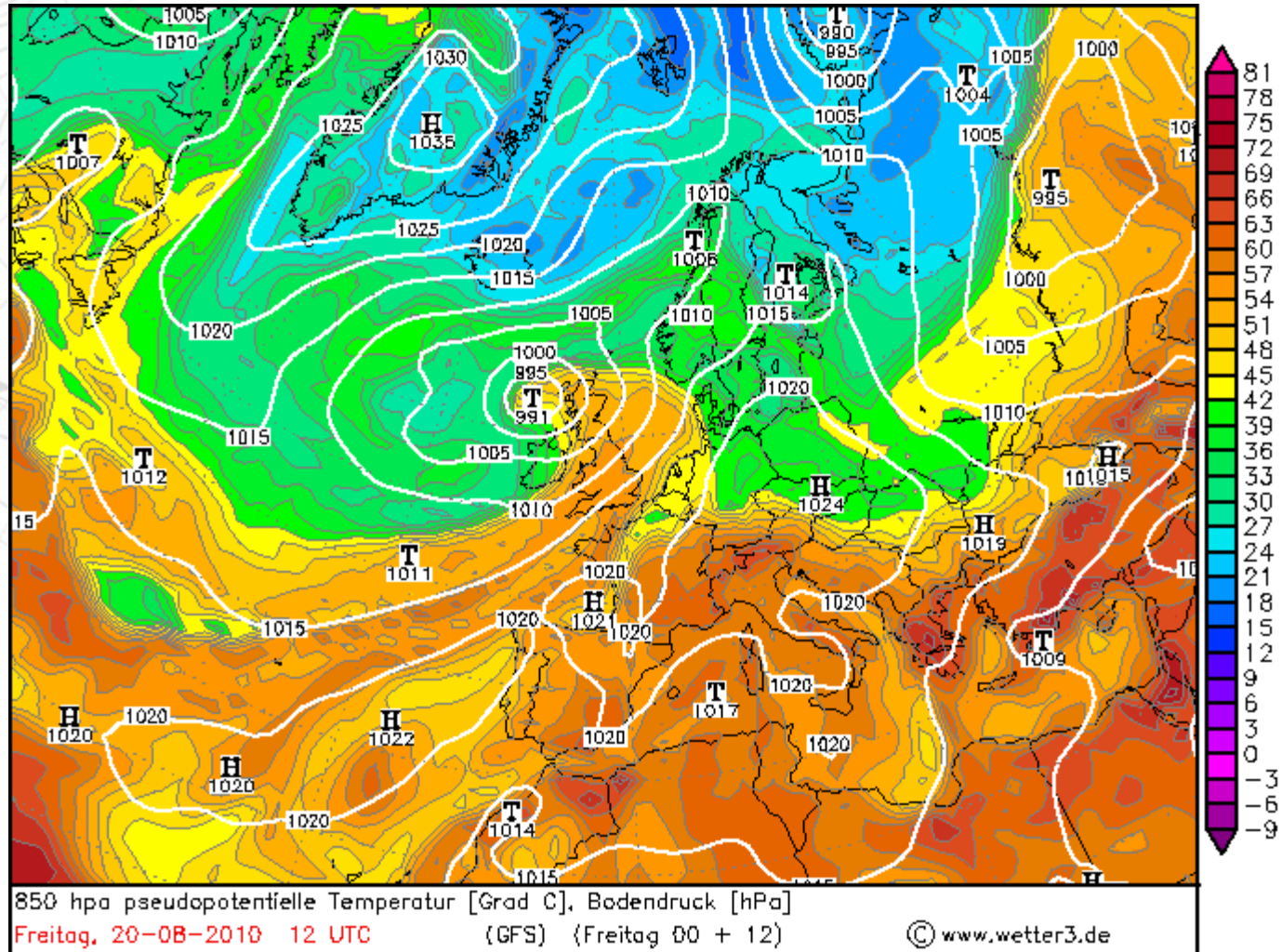
700 hPa relative Feuchte [%] Isolinien bei 15, 30, 45, 60, 75, 90 % Extrema: t<15%, f>95%
Freitag, 20-08-2010 12 UTC (GFS) (Freitag 00 + 12) © www.wetter3.de

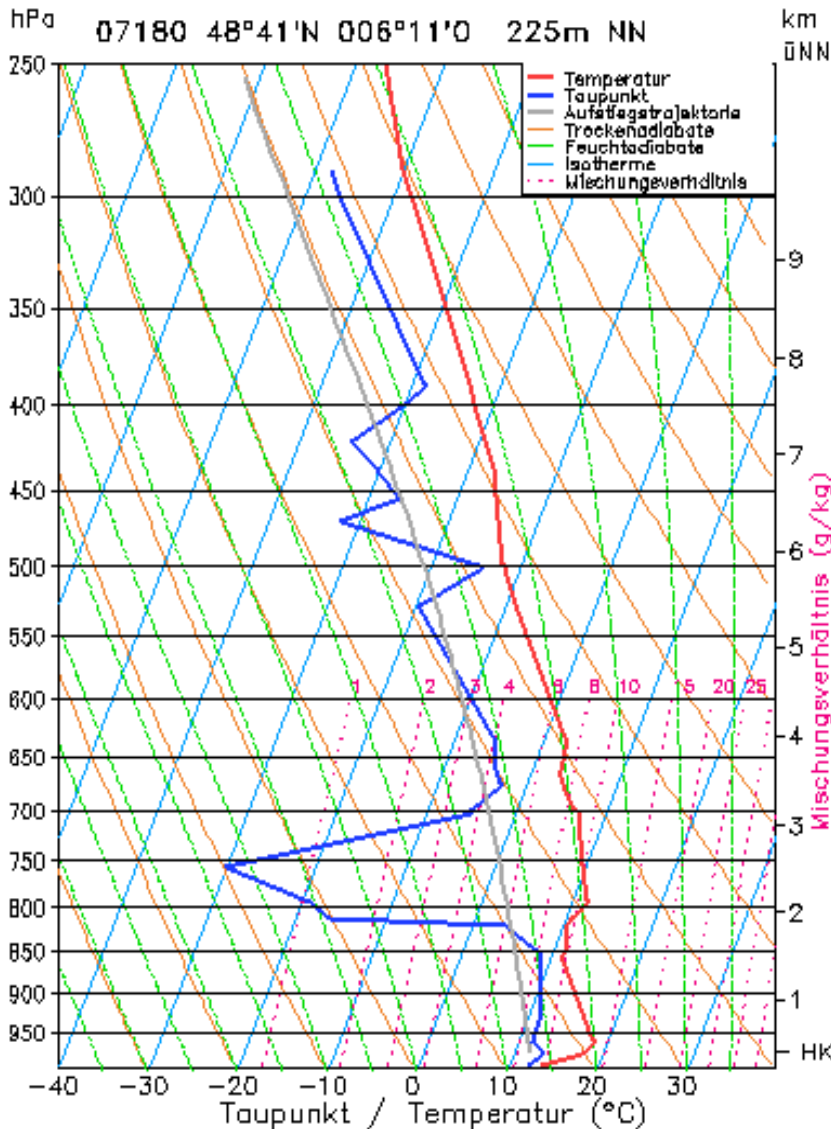
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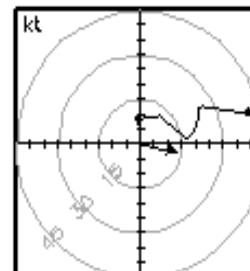


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20.08.2010 00GMT



K Index	19
Totals Totals	43
PW (cm)	2.35

Boden	
Temperatur(°C)	13.6
Taupunkt (°C)	12.3
θ_e (K)	312
Lifted Index	10
CAPE (J/kg)	0
CIN (J/kg)	0

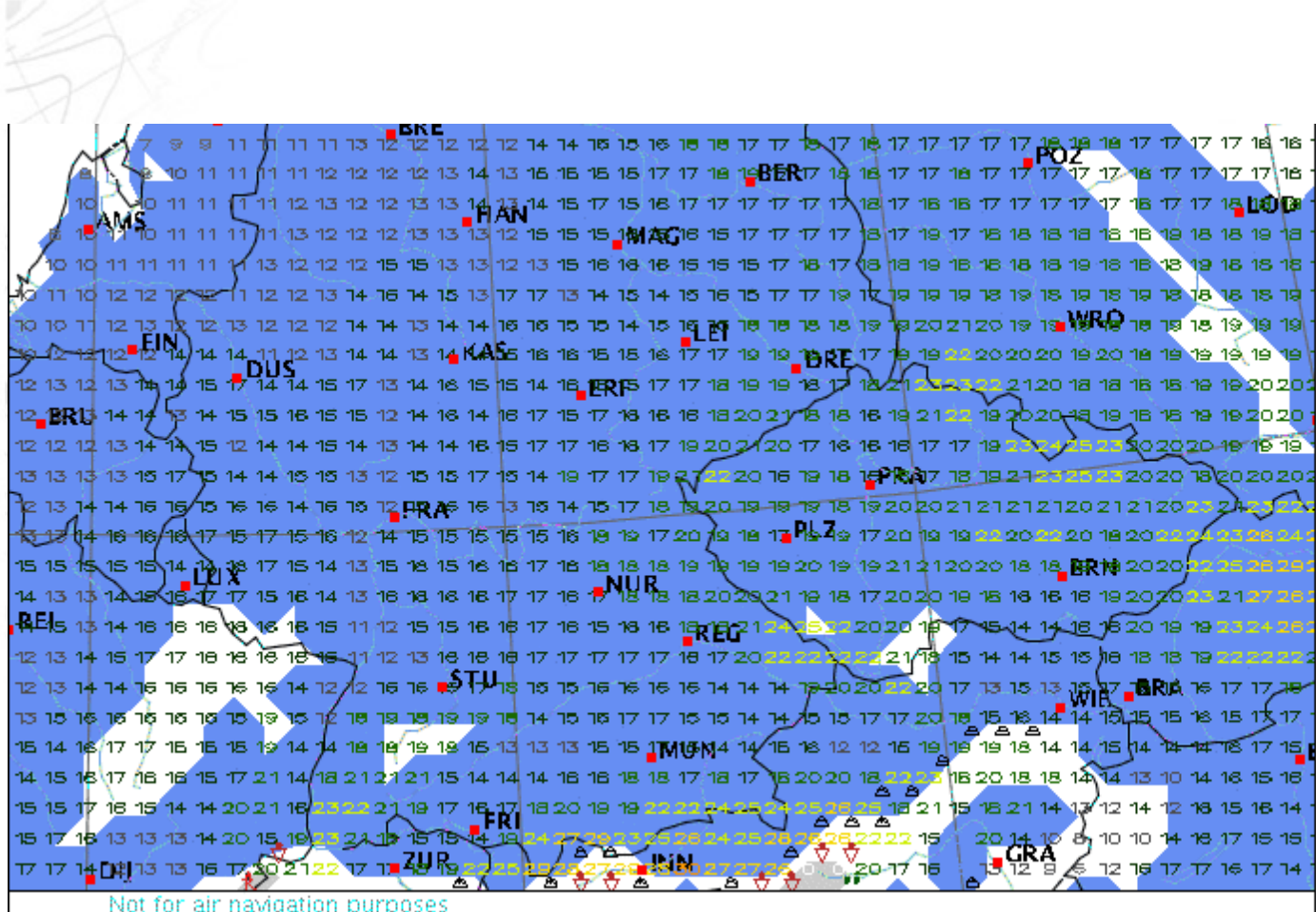
Instabiler Wert	
Druck (mb)	925
θ_e (K)	322
Lifted Index	3
CAPE (J/kg)	0
CIN (J/kg)	0

Hodograph	
EH	57
SREH	47
StmDir	281°
StmSpd (kt)	13

© WetterOnline

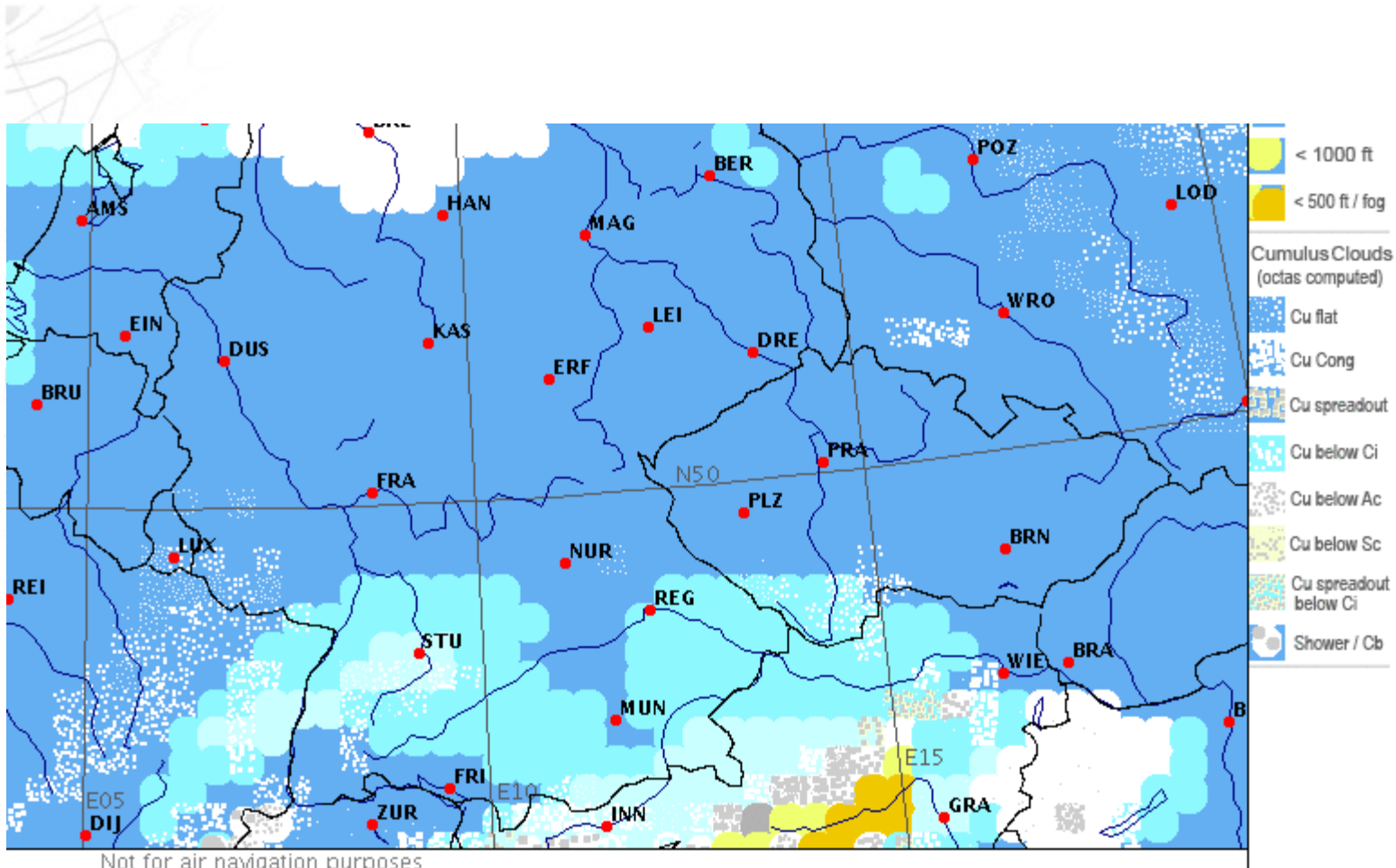
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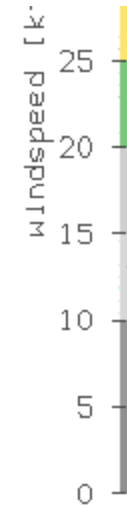
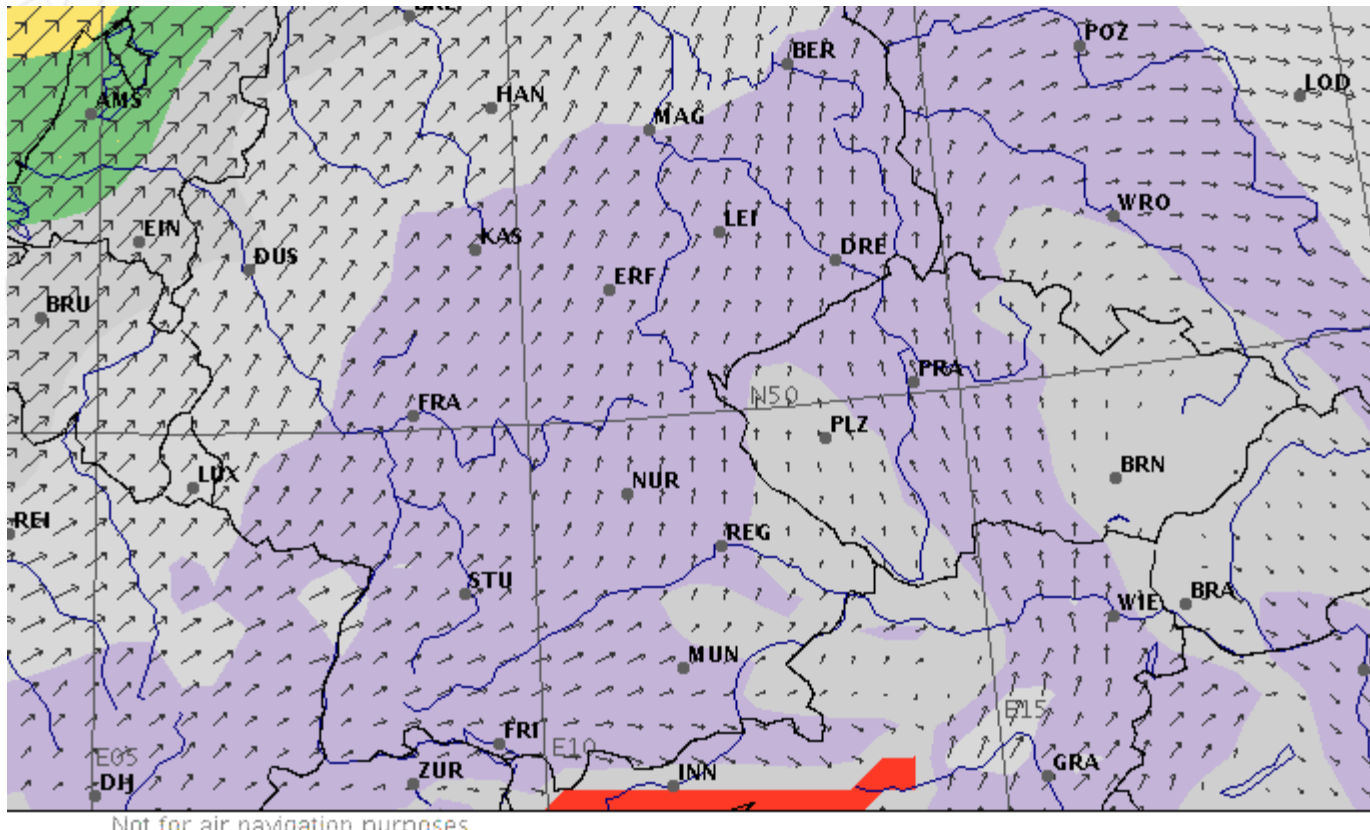
Not for air navigation purposes

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Wind 1500m MSL 12UTC



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Not for air navigation purposes





Musbach — Fr, 20.08.10 — 400 - 800 m, Bezug 500 m — 04:24 ☀ 18:33														
UTC	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00
Einstrahlung [W/m²]	140	210	370	570	630	630	650	600	560	390	320	200	40	
Hohe Wolken														
Mittelhohe Wolken														
Ausbreitungstendenz														
Achtel Cu							1/8	1/8						
Cumulus-Tops [NN]							2.100	2.100						
Arbeitshöhe [m NN]			1.100	1.500	1.700	1.900	1.900	1.900	1.700	1.700	1.400			
Thermik [m/s]				0,8	0,9	1,1	1,1	1,0						
PFD (Discus100) [km p. Std.]				30	45	60	60	45	30	15				
Wettererscheinung														
Niederschlag [mm/h]														
Temperatur [2m]	12,1°C	14,8°C	17,2°C	20,5°C	22,1°C	22,8°C	23,5°C	23,8°C	23,9°C	23,5°C	23,2°C	22,6°C	19,9°C	17,7°C
Taupunkt Temp.	12,0°C	13,3°C	13,9°C	14,4°C	15,0°C	15,3°C	15,5°C	15,5°C	15,5°C	15,7°C	15,9°C	16,6°C	17,6°C	16,1°C
Rel. Feuchte [2m]	99	90	81	68	64	62	61	60	59	62	63	69	87	90
Wind 5.500m MSL [km/h]	245°/23	245°/22	240°/20	235°/19	235°/17	240°/16	250°/15	255°/13	255°/12	255°/12	260°/13	270°/13	275°/14	285°/15
Wind 4.000m MSL [km/h]	245°/14	245°/15	245°/15	250°/15	250°/13	240°/14	235°/16	235°/17	240°/16	245°/15	255°/15	260°/15	265°/15	275°/13
Wind 2.600m MSL [km/h]	265°/23	265°/22	265°/23	270°/21	265°/21	260°/19	255°/20	255°/21	260°/21	260°/21	260°/20	265°/18	265°/18	265°/17
Wind 2.000m MSL [km/h]	275°/26	270°/24	270°/23	265°/21	260°/21	260°/22	260°/22	260°/23	260°/24	265°/24	270°/23	270°/22	270°/21	270°/22
Wind 1.500m MSL [km/h]	270°/13	260°/11	255°/12	240°/12	230°/14	235°/15	240°/14	250°/13	250°/13	255°/13	255°/12	255°/12	260°/12	265°/12
Wind 1.000m GND [km/h]	270°/15	265°/13	260°/13	245°/12	230°/15	235°/16	240°/15	245°/13	250°/13	250°/13	255°/13	255°/13	260°/13	265°/13
Wind 500m GND [km/h]	260°/5	210°/5	210°/9	215°/11	225°/11	245°/12	250°/14	255°/13	260°/13	265°/13	270°/11	275°/9	275°/7	275°/6
Wind 10m GND [km/h]	195°/7	195°/8	205°/5	220°/5	235°/7	250°/8	255°/9	265°/9	265°/9	270°/8	275°/7	285°/5	300°/1	320°/1
UTC	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00





Synoptic Situation :

Warm airmass under influence of a high pressure system. High level clouds from southwest drifting over the competition area. In the late afternoon increasing instability in the southern parts of the black forest.

Clouds/Thermal heights and strength:

0-1/8 Cu	12:00 LT – 22° – 1200 m MSL	weak/moderate
0-2/8 Cu	15:00 LT – 26° – 1700 m MSL	moderate
3-5/8 Ci	Tendency: changing during day	End of Thermals : 18:00 LT

Wind/Temperature:

Surface	~250°	10 km/h
1500m MSL	240°	15 km/h
2000m MSL	260°	25 km/h

QNH:

1020 hPa Tendency: invariant

SR/SS:

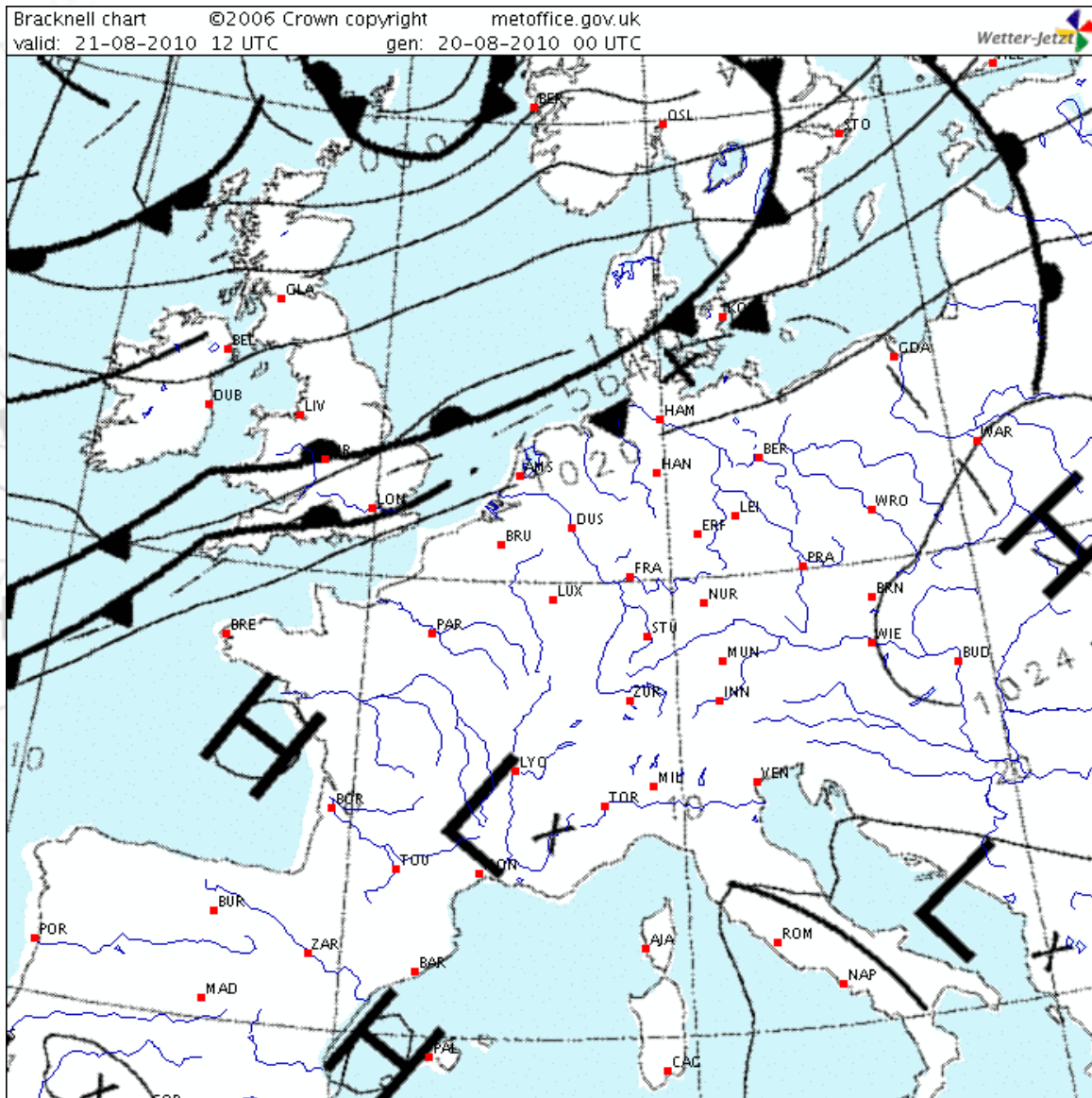
06:24 LT / 20:33 LT

Warnings:

none

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