



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
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Dipartimento federale dell'interno DFI
Ufficio federale di meteorologia e climatologia MeteoSvizzera

Autunno 2011

Retrospettiva meteoclimatica

Matteo Buzzi (Luca Silvanti, Stefano Zanini)

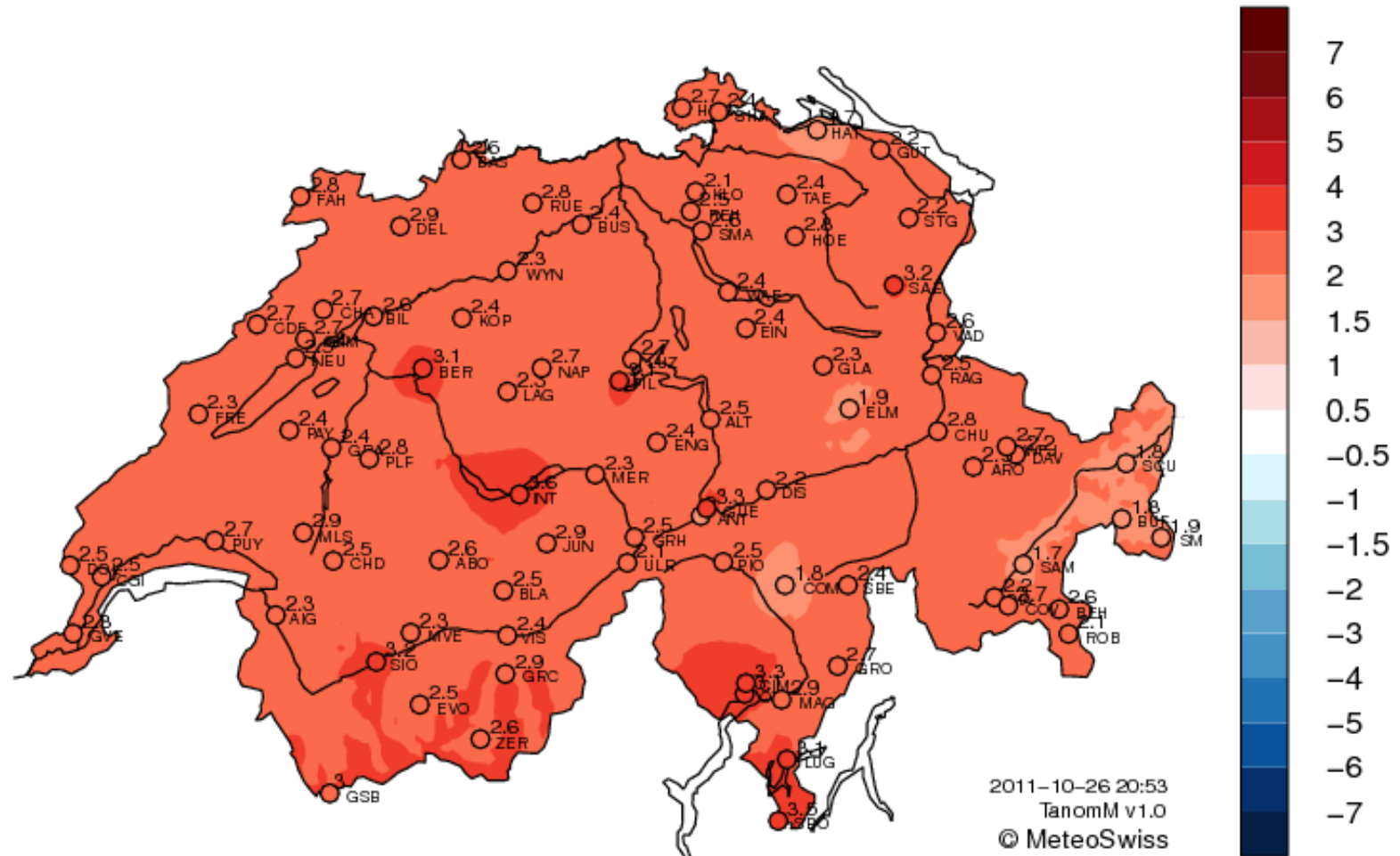


Panoramica

- Andamento rispetto ai valori normali 1961-1990, confronto con le anomalie globali
 - Temperatura
 - Precipitazioni
 - Soleggiamento
- Situazioni meteorologiche preponderanti
 - Distribuzione dell 'autunno 2011
 - Alcuni casi interessanti



Monthly Temperature Anomaly (degC) Sep 2011 (Ref. 1961–1990)





Temperatura: settembre 2011

Abweichung vom Temperaturmittel (degC)

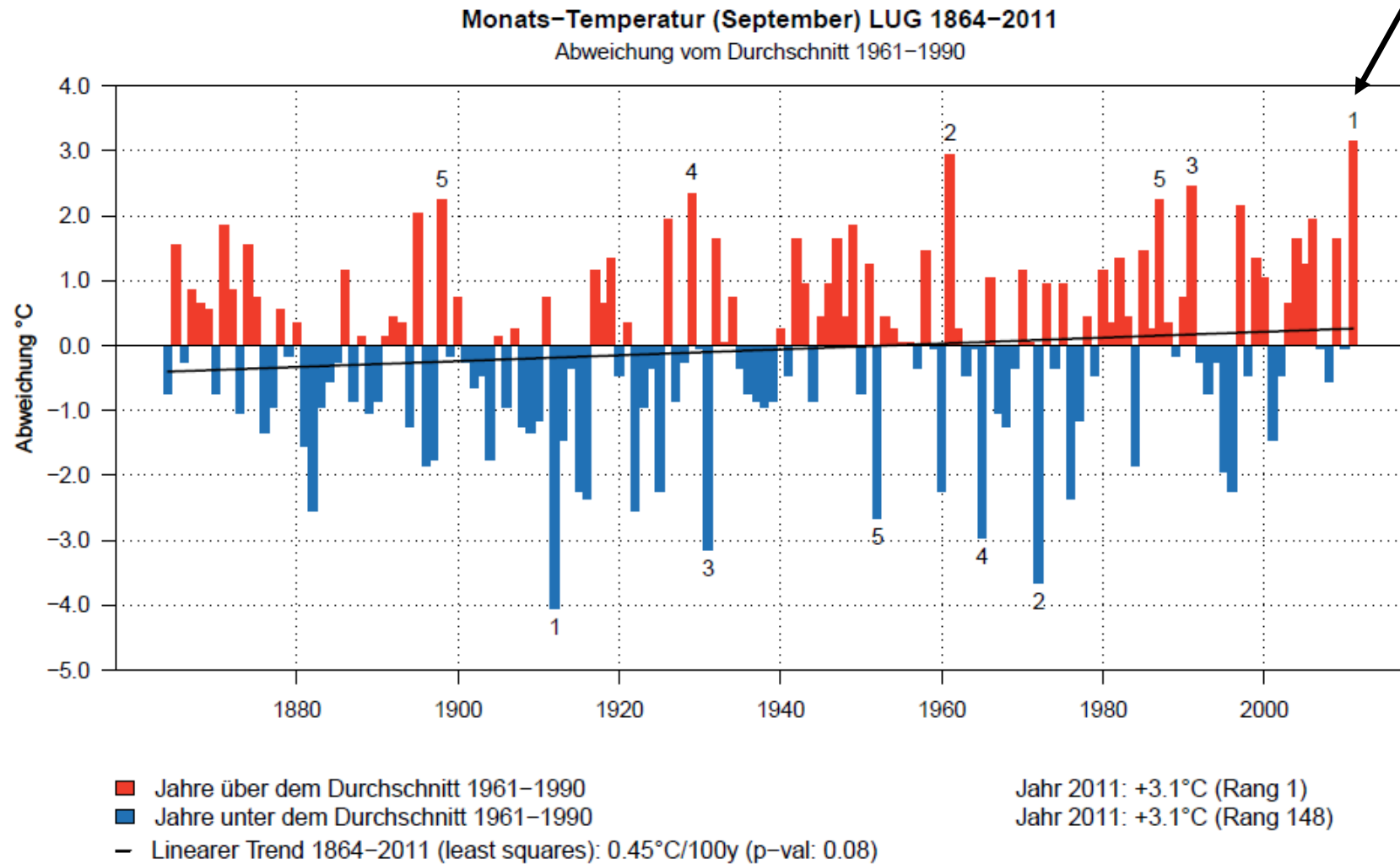
September 2011

Referenzperiode: 1961 – 1990

| | N/NW-CH | | | | Mittelland West | | | | Mittelland Zentral/Ost | | | | | | | | Täler Alpennordhang | | | | Jura | | | | Berglagen | | | | Täler GR | | | | Wallis | | | | Alpensüdseite | | | | | | | | | | | | |
|----|---------|------|------|------|-----------------|------|------|------|------------------------|------|------|------|------|------|------|------|---------------------|------|------|------|------|------|------|------|-----------|------|------|------|----------|------|------|------|--------|-----|------|------|---------------|------|------|------|------|------|------|------|------|------|------|-----|----|
| | SHA | RUE | BAS | FAH | GVE | PUY | NEU | BER | WYN | LUZ | BUS | GUT | KLO | TAE | SMA | STG | CHU | VAD | ALT | ENG | ABO | CDF | CHA | DOL | MLS | NAP | PIL | SAE | WFJ | JUN | DAV | SCU | SAM | HIR | DIS | ULR | VIS | SIO | MVE | ZER | ROB | SBE | CIM | PIO | COM | OTL | LUG | SBO | |
| 1 | 2.8 | 3.5 | 3.5 | 3.9 | 2.7 | 2.8 | 2.7 | 4.4 | 3.1 | 3.8 | 3.4 | 1.7 | 2.8 | 2.8 | 2.7 | 2.5 | 1.9 | 2.7 | 3.1 | 3.6 | 4.0 | 4.1 | 3.7 | 3.4 | 3.9 | 4.1 | 3.4 | 2.7 | 2.0 | 1.8 | 1.2 | 0.2 | 0.4 | NA | 2.1 | 3.2 | 3.9 | 4.7 | 3.8 | 3 | 0.9 | 0.9 | 2.1 | 1.9 | 0.5 | 2.3 | 3.4 | 3.0 | 1 |
| 2 | 4.1 | 5.9 | 5.7 | 6.6 | 4.3 | 4.7 | 4.2 | 5.7 | 4.6 | 5.4 | 4.7 | 3.2 | 4.4 | 4.1 | 5.0 | 4.9 | 4.0 | 4.3 | 4.9 | 5.0 | 4.8 | 5.9 | 5.6 | 5.5 | 6.0 | 6.3 | 5.2 | 4.5 | 4.5 | 3.5 | 3.9 | 2.1 | 3.0 | NA | 4.2 | 3.7 | 3.9 | 5.2 | 4.3 | 4 | 2.6 | 3.5 | 4.1 | 3.5 | 2.5 | 3.4 | 3.6 | 3.6 | 2 |
| 3 | 6.3 | 6.4 | 6.6 | 6.0 | 3.1 | 3.8 | 3.8 | 6.0 | 5.0 | 5.8 | 5.7 | 5.6 | 5.6 | 6.0 | 6.2 | 6.7 | 6.9 | 5.5 | 6.5 | 5.7 | 6.1 | 6.6 | 5.7 | 6.7 | 7.1 | 7.6 | 7.9 | 7.1 | 5.4 | 6.4 | 5.5 | 4.0 | NA | 6.1 | 4.2 | 3.9 | 4.1 | 4.7 | 4 | 3.8 | 4.4 | 3.8 | 3.8 | 3.4 | 3.6 | 3.8 | 4.6 | 3 | |
| 4 | 3.9 | 3.1 | 3.1 | 3.5 | 2.5 | 2.5 | 2.3 | 4.4 | 3.6 | 3.3 | 3.6 | 3.9 | 3.8 | 4.4 | 3.3 | 3.8 | 4.4 | 4.7 | 4.4 | 4.0 | 2.9 | 3.9 | 3.2 | 2.3 | 2.8 | 3.0 | 3.1 | 4.8 | 4.1 | 3.0 | 5.0 | 3.2 | 3.9 | NA | 2.4 | 3.0 | 2.5 | 2.8 | 2.1 | 2 | 2.4 | 3.4 | 2.0 | 2.9 | 1.2 | 1.1 | 1.5 | 3.3 | 4 |
| 5 | 1.1 | 0.2 | 1.1 | 0.2 | 0.8 | 0.8 | 0.9 | 1.9 | 1.6 | 0.3 | 1.6 | 0.8 | 1.2 | 1.3 | 0.5 | -0.1 | 0.6 | 0.4 | 0.9 | -0.3 | -1.4 | 0.0 | -1.3 | -2.1 | -1.5 | -1.0 | -1.5 | -0.6 | -1.1 | -0.2 | 0.6 | 1.1 | 2.3 | NA | -0.5 | -0.3 | 0.9 | 1.2 | -0.7 | 0 | 2.3 | 1.3 | 1.6 | 1.8 | 1.1 | 1.9 | 2.7 | 3.7 | 5 |
| 6 | 0.2 | 0.7 | 0.3 | 0.2 | 0.1 | 0.4 | 0.5 | 0.9 | 0.2 | 0.5 | 0.3 | 0.2 | 0.0 | 0.8 | 1.2 | 0.7 | 0.2 | 0.6 | -0.1 | -0.4 | 0.2 | -0.1 | -0.1 | -0.3 | 0.6 | 0.6 | 1.3 | 1.3 | 1.4 | 3.0 | -0.1 | 0.3 | 0.3 | NA | -0.2 | -0.8 | -0.3 | 0.1 | -0.7 | -0.5 | 0.8 | 0.5 | 1.4 | 0.4 | -1.1 | 1.2 | 1.7 | 1.3 | 6 |
| 7 | 1.4 | 1.8 | 2.1 | 0.6 | 2.0 | 2.3 | 3.0 | 2.6 | 2.4 | 3.0 | 1.7 | 2.2 | 1.5 | 3.1 | 3.1 | 2.4 | 1.5 | 1.5 | 1.6 | 1.8 | 4.6 | 1.3 | -0.1 | -0.5 | 0.3 | 1.5 | 1.2 | 0.9 | 2.2 | 1.4 | 1.4 | 1.4 | 3.0 | NA | 0.5 | 1.1 | 1.3 | 2.0 | 1.9 | 2 | 2.4 | 2.7 | 3.1 | 1.8 | 0.8 | 1.5 | 1.7 | 2.0 | 7 |
| 8 | 2.2 | 1.6 | 2.4 | 1.5 | 3.7 | 3.6 | 3.9 | 4.0 | 3.4 | 3.7 | 3.0 | 2.0 | 2.2 | 2.8 | 2.2 | 1.7 | 2.1 | 2.0 | 2.5 | 2.2 | 3.5 | 2.2 | 0.7 | 0.5 | 1.5 | 1.2 | 1.4 | 0.6 | 1.0 | 1.6 | 2.1 | 0.5 | 3.3 | NA | 0.8 | 3.0 | 4.3 | 4.3 | 3.1 | 3 | 2.6 | 3.8 | 5.1 | 4.0 | 2.7 | 3.7 | 2.6 | 2.8 | 8 |
| 9 | 4.6 | 4.6 | 4.6 | 4.4 | 4.4 | 4.2 | 4.6 | 5.5 | 5.0 | 4.9 | 4.9 | 4.7 | 4.8 | 5.0 | 4.9 | 4.6 | 4.1 | 4.4 | 4.0 | 3.8 | 4.8 | 4.9 | 4.6 | 4.5 | 4.9 | 4.4 | 4.8 | 4.2 | 3.4 | 4.7 | 3.8 | 3.3 | 4.8 | NA | 3.7 | 4.0 | 4.7 | 5.5 | 4.5 | 4 | 3.6 | 4.6 | 5.9 | 5.3 | 3.7 | 5.5 | 4.3 | 4.6 | 9 |
| 10 | 5.8 | 7.8 | 7.2 | 7.9 | 6.2 | 5.8 | 5.3 | 6.4 | 5.1 | 6.0 | 5.8 | 5.2 | 5.4 | 5.7 | 6.4 | 6.4 | 7.3 | 6.7 | 4.8 | 6.0 | 6.6 | 6.8 | 7.9 | 7.3 | 8.1 | 8.0 | 8.0 | 7.9 | 6.5 | 6.8 | 6.0 | 4.9 | 4.1 | NA | 6.6 | 4.7 | 6.0 | 6.8 | 7.0 | 5 | 4.0 | 3.9 | 4.8 | 4.7 | 3.3 | 5.1 | 4.9 | 5.0 | 10 |
| 11 | 5.9 | 6.6 | 5.4 | 5.7 | 5.4 | 5.4 | 5.3 | 5.8 | 5.4 | 5.0 | 6.1 | 5.3 | 5.8 | 6.2 | 5.8 | 6.5 | 7.0 | 7.1 | 5.3 | 5.2 | 5.7 | 5.5 | 5.7 | 4.4 | 5.7 | 6.2 | 6.8 | 6.6 | 5.6 | 4.0 | 6.1 | 4.9 | 3.6 | NA | 5.8 | 4.1 | 5.0 | 6.0 | 5.8 | 5 | 4.0 | 3.3 | 3.6 | 3.7 | 3.0 | 4.2 | 4.6 | 5.3 | 11 |
| 12 | 3.6 | 3.2 | 3.8 | 3.0 | 3.4 | 3.0 | 3.9 | 4.1 | 3.8 | 3.8 | 4.3 | 3.9 | 3.6 | 4.2 | 3.9 | 3.6 | 3.4 | 3.8 | 3.7 | 3.5 | 2.8 | 2.4 | 2.0 | 1.2 | 2.1 | 2.5 | 2.2 | 2.2 | 2.3 | 2.5 | 2.2 | 2.2 | 1.9 | NA | 2.5 | 2.8 | 3.5 | 4.1 | 2.2 | 2 | 2.0 | 3.1 | 4.9 | 3.2 | 1.1 | 3.1 | 3.6 | 4.2 | 12 |
| 13 | 5.2 | 4.9 | 4.8 | 4.1 | 3.7 | 3.8 | 4.6 | 4.9 | 4.6 | 3.9 | 4.8 | 5.3 | 5.0 | 5.7 | 5.0 | 4.5 | 3.9 | 3.8 | 3.5 | 3.5 | 2.8 | 4.4 | 3.2 | 2.9 | 3.1 | 3.5 | 3.6 | 4.6 | 5.1 | 7.2 | 3.8 | 3.9 | 2.0 | NA | 4.3 | 2.8 | 3.0 | 4.2 | 3.2 | 3 | 2.4 | 3.2 | 5.7 | 3.4 | 1.8 | 4.0 | 4.2 | 4.5 | 13 |
| 14 | 2.0 | 1.0 | 1.4 | 0.3 | 3.9 | 3.5 | 3.0 | 2.9 | 2.3 | 1.4 | 2.2 | 1.4 | 1.6 | 1.7 | 1.2 | 0.8 | 2.4 | 1.4 | 2.2 | 1.1 | 1.4 | 1.2 | 0.6 | 1.4 | 2.1 | 0.5 | 2.1 | 2.7 | 3.5 | 3.9 | 2.6 | 3.5 | 3.4 | NA | 2.7 | 4.5 | 3.3 | 4.3 | 2.8 | 3 | 3.0 | 4.1 | 5.3 | 4.0 | 2.8 | 4.9 | 4.8 | 4.9 | 14 |
| 15 | 0.6 | 0.5 | -0.2 | -0.1 | 1.9 | 2.5 | 1.7 | 2.0 | 0.8 | 1.7 | 0.7 | 1.1 | 0.7 | 1.2 | 1.1 | 0.1 | 2.9 | 1.9 | 2.8 | 1.9 | 1.4 | 1.7 | 2.1 | 4.6 | 5.1 | 1.4 | 4.2 | 3.9 | 4.5 | 4.1 | 3.9 | 4.2 | 3.9 | NA | 3.0 | 3.7 | 3.5 | 4.6 | 3.3 | 3 | 4.0 | 4.3 | 5.1 | 4.1 | 3.1 | 5.3 | 5.1 | 5.0 | 15 |
| 16 | 2.2 | 3.0 | 2.6 | 3.1 | 4.3 | 3.8 | 3.6 | 4.4 | 2.8 | 3.3 | 2.6 | 1.6 | 2.2 | 2.3 | 2.8 | 2.5 | 4.0 | 3.2 | 2.7 | 3.6 | 5.2 | 4.8 | 6.3 | 5.8 | 6.0 | 6.0 | 5.9 | 5.2 | 5.4 | 3.6 | 4.5 | 3.7 | 3.3 | NA | 4.5 | 3.4 | 3.9 | 5.2 | 5.3 | 5 | 3.6 | 3.9 | 4.7 | 4.4 | 3.5 | 5.0 | 4.9 | 4.8 | 16 |
| 17 | 4.2 | 3.6 | 3.7 | 3.2 | 3.9 | 3.6 | 3.1 | 4.9 | 3.8 | 4.5 | 3.8 | 4.4 | 4.0 | 4.9 | 3.9 | 4.3 | 3.8 | 4.3 | 4.5 | 4.2 | 3.3 | 3.7 | 3.1 | 2.8 | 3.2 | 3.9 | 3.7 | 3.8 | 2.9 | 2.4 | 3.9 | 2.9 | 3.2 | NA | 2.1 | 2.4 | 1.9 | 2.9 | 1.8 | 2 | 3.5 | 3.2 | 2.6 | 2.7 | 2.2 | 2.6 | 2.9 | 4.2 | 17 |
| 18 | -2.0 | -3.0 | -2.4 | -2.9 | -1.8 | -1.7 | -2.7 | -1.7 | -2.0 | -1.8 | -2.0 | -2.3 | -2.4 | -1.9 | -2.9 | -2.9 | -2.5 | -2.4 | -1.6 | -2.5 | -3.3 | -3.4 | -4.9 | -5.3 | -5.1 | -4.5 | -4.9 | -3.8 | -3.4 | -2.8 | -3.0 | -2.8 | -1.2 | NA | -4.2 | -2.3 | -1.6 | -1.4 | -3.6 | -2 | -0.5 | -1.7 | -1.5 | -2.1 | -1.6 | -1.3 | -0.6 | 1.4 | 18 |
| 19 | -3.1 | -3.4 | -3.0 | -3.1 | -3.6 | -4.1 | -3.5 | -2.8 | -3.0 | -3.4 | -2.9 | -3.6 | -3.2 | -3.0 | -3.6 | -4.6 | -6.0 | -5.6 | -3.4 | -5.3 | -6.3 | -3.9 | -5.3 | -6.0 | -6.7 | -5.9 | -7.0 | -6.5 | -8.7 | -7.2 | -7.2 | -8.8 | -6.3 | NA | -8.3 | -5.1 | -4.4 | -3.7 | -6.4 | -5 | -2.3 | -6.2 | -3.3 | -3.7 | -0.7 | -1.0 | 0.1 | 1.9 | 19 |
| 20 | -1.3 | -1.9 | -2.0 | -1.8 | -2.2 | -1.4 | -1.6 | -1.7 | -1.8 | -1.1 | -1.3 | -1.1 | -1.2 | -1.6 | -1.4 | -2.4 | -1.5 | -2.3 | -0.7 | -2.4 | -2.9 | -2.5 | -2.9 | -2.8 | -3.1 | -3.4 | -2.6 | -2.2 | -3.2 | 1.2 | -4.7 | -4.7 | -4.1 | NA | -3.7 | -2.0 | -1.9 | -1.8 | -3.9 | -2 | 1.1 | -2.7 | 0.5 | 0.4 | 1.7 | 2.4 | 2.2 | 3.2 | 20 |
| 21 | -0.6 | 0.4 | -0.5 | -0.2 | -0.8 | -0.1 | -0.9 | 0.3 | -0.8 | 0.0 | -0.4 | -1.0 | -1.0 | -0.9 | -0.3 | -1.1 | -0.6 | -0.4 | -0.5 | -0.2 | 0.5 | 0.2 | 1.8 | 2.8 | 3.1 | 1.1 | 3.6 | 4.1 | 3.7 | 6.1 | -2.0 | -1.0 | -2.4 | NA | -0.4 | -0.4 | -0.7 | 0.3 | 0.2 | 0 | -1.1 | 1.1 | 3.8 | 0.3 | -0.4 | 1.5 | 1.0 | 0.8 | 21 |
| 22 | 0.7 | 1.2 | 0.7 | 0.5 | 0.9 | 2.2 | 0.7 | 1.7 | 0.6 | 1.5 | 0.6 | 0.5 | 0.2 | 0.2 | 1.3 | 0.3 | 0.9 | 0.4 | 1.4 | 1.6 | 1.8 | 0.4 | 1.5 | 1.9 | 2.7 | 1.0 | 2.5 | 2.7 | 2.0 | 4.8 | 0.1 | 0.0 | -1.0 | NA | 1.5 | 0.9 | 0.6 | 1.9 | 1.0 | 1 | 0.7 | 4.4 | 5.1 | 2.4 | 1.0 | 2.8 | 2.2 | 1.9 | 22 |
| 23 | 1.8 | 1.6 | 1.0 | 1.4 | 0.4 | 1.7 | 1.8 | 2.1 | 1.0 | 1.6 | 1.0 | 1.1 | 0.9 | 0.6 | 1.2 | 0.7 | 2.7 | 1.7 | 2.4 | 1.3 | 1.3 | 1.8 | 1.0 | 2.1 | 2.9 | 1.1 | 3.6 | 4.6 | 3.3 | 4.2 | 0.7 | 0.5 | -0.7 | NA | 2.6 | 1.1 | 1.0 | 1.9 | 1.3 | 1 | 0.7 | 1.9 | 2.7 | 1.6 | 0.6 | 2.8 | 2.4 | 2.2 | 23 |
| 24 | 1.9 | 3.1 | 2.2 | 3.5 | 1.4 | 2.5 | 0.7 | 2.8 | 1.2 | 2.7 | 1.2 | 1.0 | 1.0 | 1.1 | 2.4 | 2.0 | 3.3 | 3.0 | 1.9 | 2.9 | 3.5 | 2.9 | 4.0 | 3.5 | 3.5 | 4.4 | 3.6 | 3.7 | 3.2 | 3.0 | 2.6 | 2.2 | 0.9 | NA | 3.2 | 2.7 | 2.2 | 3.7 | 3.2 | 3 | 2.0 | 1.3 | 2.2 | 2.6 | 1.9 | 3.1 | 3.0 | 3.3 | 24 |
| 25 | 2.8 | 5.3 | 4.1 | 5.0 | 3.3 | 3.9 | 3.2 | 4.2 | 3.1 | 4.1 | 3.3 | 2.2 | 2.4 | 2.7 | 3.7 | 3.8 | 3.6 | 4.2 | 3.4 | 3.7 | 3.5 | 3.6 | 4.5 | 3.5 | 3.1 | 4.1 | 3.3 | 3.3 | 2.3 | 2.2 | 2.7 | 2.8 | 1.6 | NA | 2.9 | 2.4 | 3.5 | 4.5 | 3.1 | 3 | 2.0 | 1.7 | 2.6 | 2.2 | 1.7 | 3.4 | 3.4 | 3.4 | 25 |
| 26 | 3.0 | 5.3 | 4.4 | 5.0 | 3.1 | 4.3 | 3.5 | 3.5 | 2.5 | 3.7 | 2.9 | 2.9 | 2.7 | 2.8 | 3.6 | 3.8 | 3.9 | 4.1 | 3.4 | 3.2 | 3.7 | 3.3 | 4.7 | 4.7 | 3.8 | 4.5 | 3.8 | 4.1 | 3.6 | 2.4 | 3.1 | 3.1 | 1.6 | NA | 3.6 | 2.4 | 3.2 | 4.6 | 3.2 | 3 | 1.8 | 2.9 | 4.3 | 2.2 | 1.8 | 3.9 | 3.6 | 3.7 | 26 |
| 27 | 4.0 | 5.3 | 4.4 | 5.2 | 2.9 | 4.3 | 4.5 | 3.0 | 2.6 | 3.9 | 3.3 | 3.9 | 3.0 | 3.1 | 4.4 | 4.0 | 5.2 | 4.5 | 4.1 | 3.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



Temperatura: settembre 2011 e gli altri



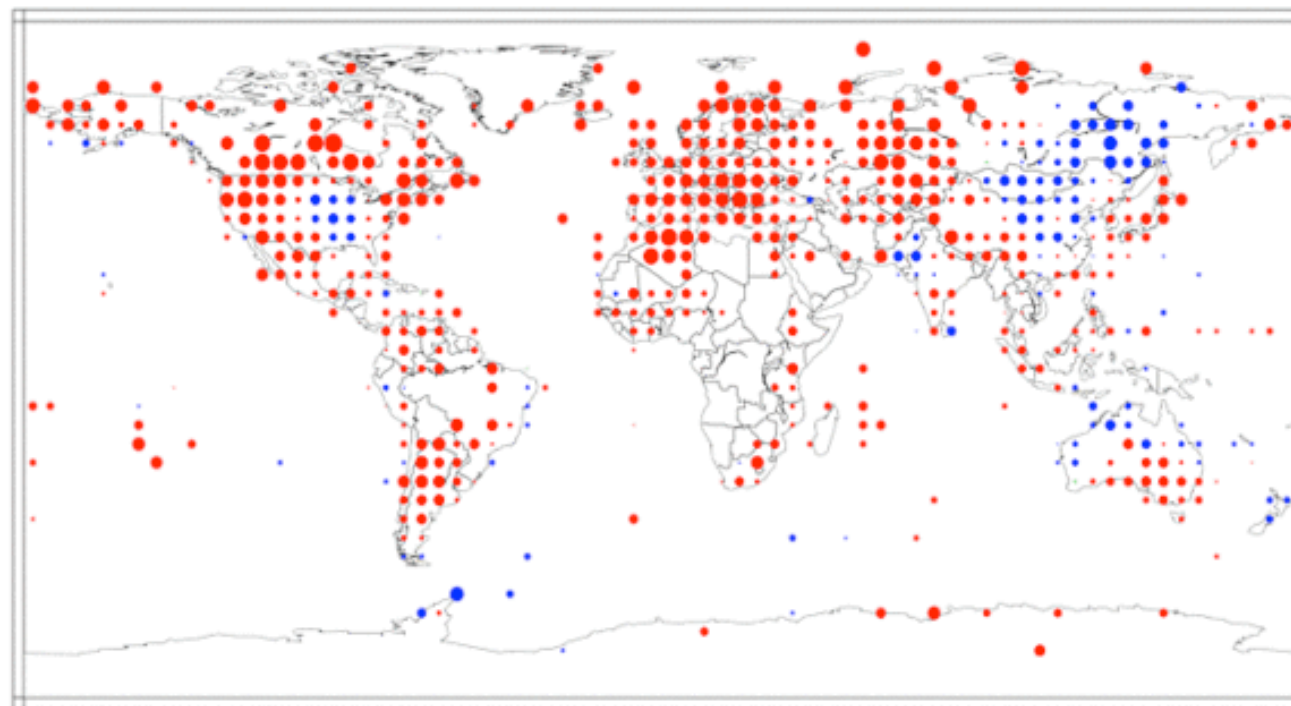


Temperatura: anomalie globali settembre 2011

Temperature Anomalies September 2011

(with respect to a 1961-1990 base period)

National Climatic Data Center/NESDIS/NOAA



Degrees Celsius





Temperatura: anomalie globali settembre 2011

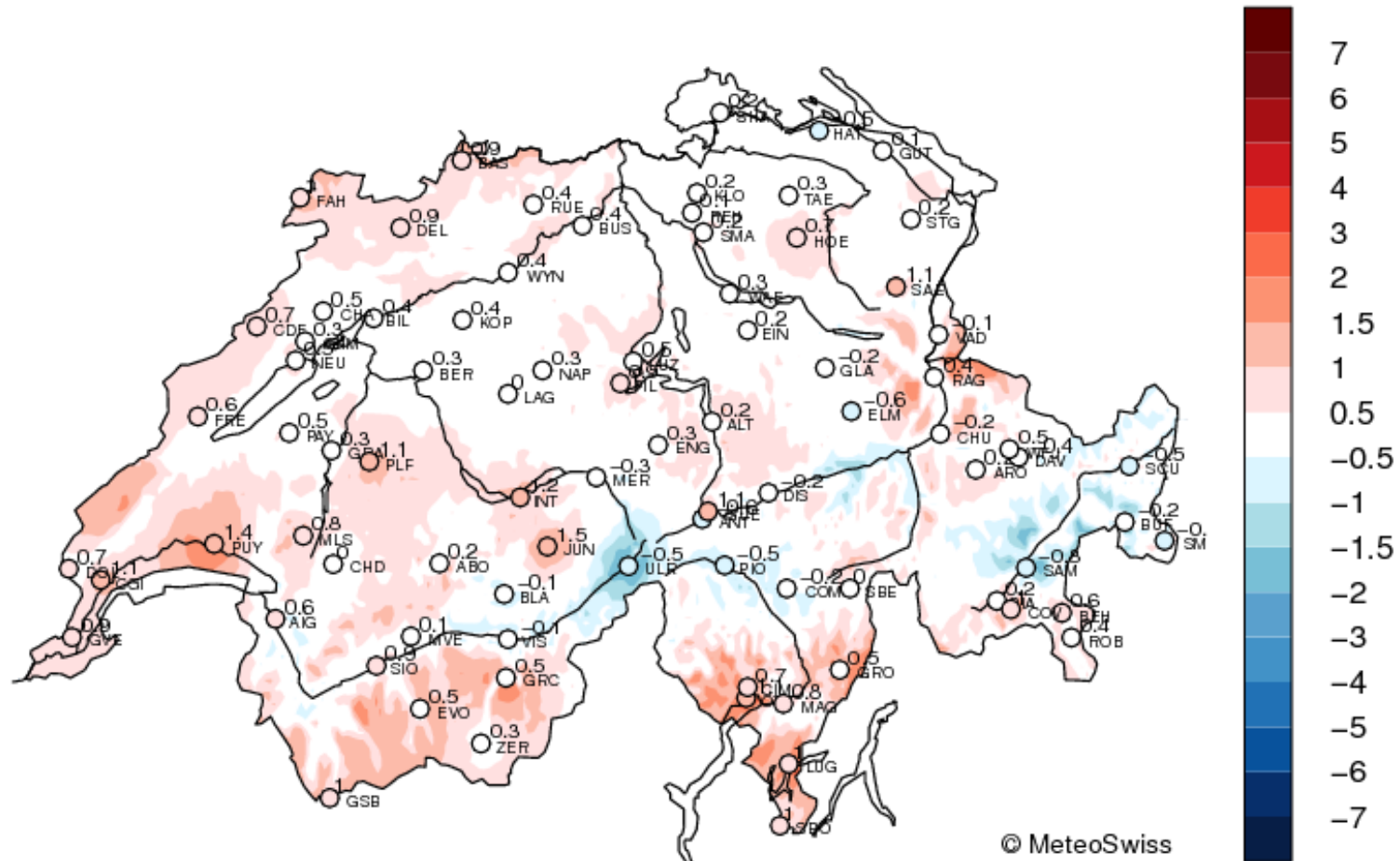
| September | Anomaly | | Rank (out of 132 years) | Records | | |
|---------------------|--------------|--------------|----------------------------|---------------|-------|-------|
| | °C | °F | | Year(s) | °C | °F |
| Global | | | | | | |
| Land | +0.87 ± 0.24 | +1.57 ± 0.43 | 4 th Warmest | Warmest: 2005 | +1.00 | +1.80 |
| | | | 129 th Coolest | Coolest: 1912 | -0.78 | -1.40 |
| Ocean | +0.40 ± 0.04 | +0.72 ± 0.07 | 14 th Warmest | Warmest: 2003 | +0.57 | +1.03 |
| | | | 119 th Coolest | Coolest: 1912 | -0.45 | -0.81 |
| Land and Ocean | +0.53 ± 0.11 | +0.95 ± 0.20 | 8 th Warmest | Warmest: 2005 | +0.66 | +1.19 |
| | | | 125 th Coolest | Coolest: 1912 | -0.54 | -0.97 |
| Northern Hemisphere | | | | | | |
| Land | +0.88 ± 0.25 | +1.58 ± 0.45 | 3 rd Warmest | Warmest: 2005 | +1.16 | +2.09 |
| | | | 130 th Coolest | Coolest: 1912 | -0.91 | -1.64 |
| Ocean | +0.43 ± 0.04 | +0.77 ± 0.07 | 13 th Warmest | Warmest: 2003 | +0.66 | +1.19 |
| | | | 120 th Coolest | Coolest: 1912 | -0.56 | -1.01 |
| Land and Ocean | +0.60 ± 0.15 | +1.08 ± 0.27 | 6 th Warmest | Warmest: 2005 | +0.82 | +1.48 |
| | | | 127 th Coolest | Coolest: 1912 | -0.69 | -1.24 |
| Southern Hemisphere | | | | | | |
| Land | +0.85 ± 0.15 | +1.53 ± 0.27 | 3 rd Warmest | Warmest: 1997 | +1.07 | +1.93 |
| | | | 130 th Coolest | Coolest: 1894 | -0.81 | -1.46 |
| Ocean | +0.39 ± 0.04 | +0.70 ± 0.07 | 14 th Warmest | Warmest: 1997 | +0.57 | +1.03 |
| | | | 119 th Coolest | Coolest: 1911 | -0.51 | -0.92 |
| Land and Ocean | +0.46 ± 0.07 | +0.83 ± 0.13 | 9 th Warmest | Warmest: 1997 | +0.65 | +1.17 |
| | | | 124 th Coolest | Coolest: 1911 | -0.54 | -0.97 |
| | | | Ties: 2000, 2001, 2004 | | | |





Temperatura: ottobre 2011

Monthly Temperature Anomaly (degC) Oct 2011 (Ref. 1961–1990)



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TanomM v1.2, 2011-11-29 13:04



Temperatura: ottobre 2011

Abweichung vom Temperaturmittel (degC)

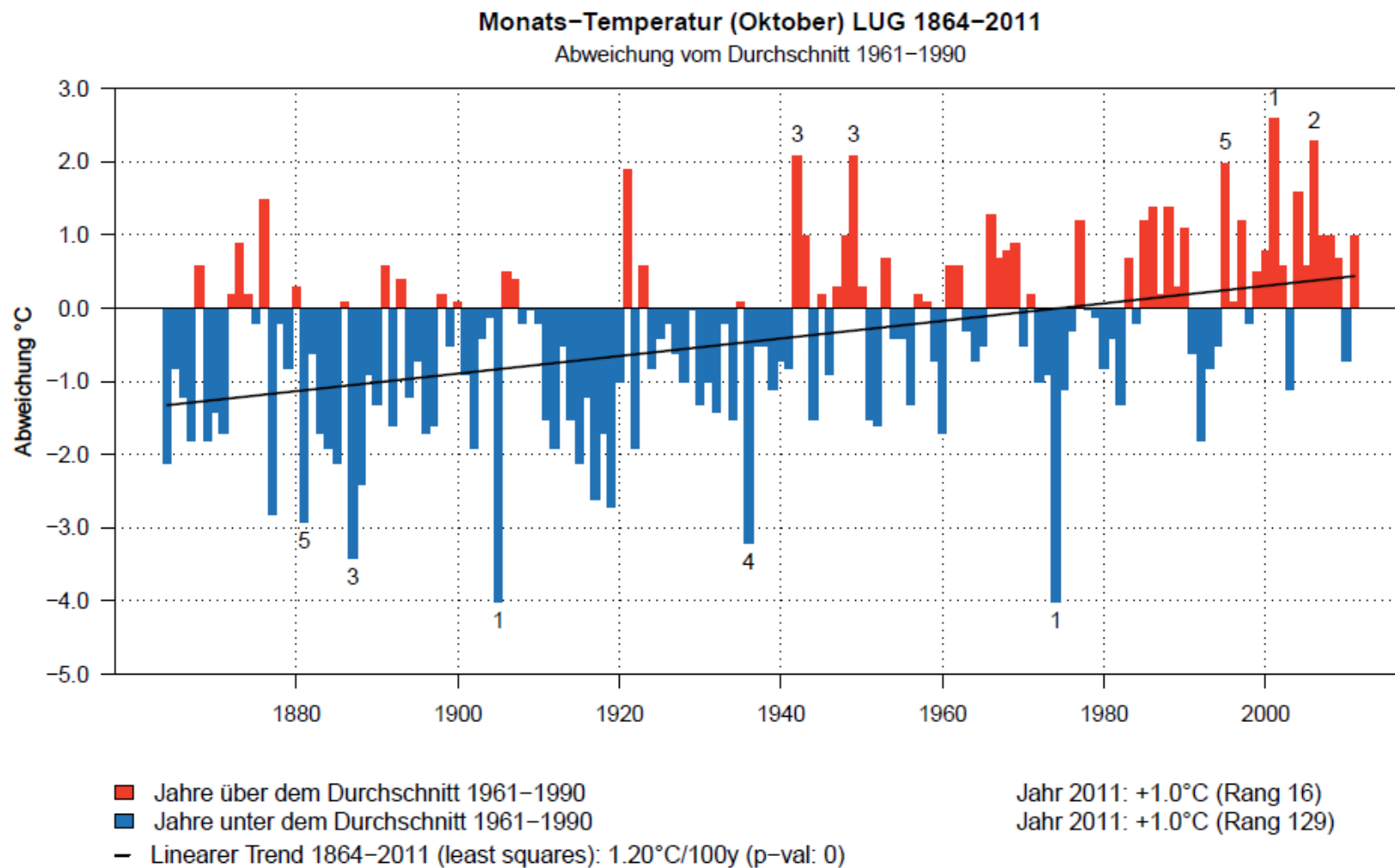
Oktober 2011

Referenzperiode: 1961 – 1990

| | N/NW-CH | | | | Mittelland West | | | | Mittelland Zentral/Ost | | | | Täler Alpennordhang | | | | Jura | | | | Berglagen | | | | Täler GR | | | | Wallis | | | | Alpensüdseite | | | | | | | | | | | | | | | | | |
|----|---------|------|------|------|-----------------|------|------|------|------------------------|------|------|------|---------------------|------|------|------|------|------|------|------|-----------|------|------|------|----------|------|------|------|--------|------|------|------|---------------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|----|
| | SHA | RUE | BAS | FAH | GVE | PUY | NEU | BER | WYN | LUZ | BUS | GUT | KLO | TAE | SMA | STG | CHU | VAD | ALT | ENG | ABO | CDF | CHA | DOL | MLS | NAP | PIL | SAE | WFJ | JUN | DAV | SCU | SAM | HIR | DIS | ULR | VIS | SIO | MVE | ZER | ROB | SBE | CIM | PIO | COM | OTL | LUG | SBO | | |
| 1 | 1.4 | 4.1 | 4.1 | 5.5 | 2.9 | 4.2 | 2.4 | 3.0 | 2.9 | 3.4 | 2.9 | 2.2 | 2.2 | 2.7 | 3.1 | 3.0 | 3.8 | 2.4 | 2.3 | 4.2 | 4.8 | 3.7 | 7.1 | 6.4 | 6.6 | 6.0 | 7.0 | 7.6 | 6.9 | 7.8 | 5.0 | 4.7 | 2.8 | NA | 5.1 | 3.3 | 3.1 | 4.3 | 4.8 | 5.0 | 2.9 | 3.4 | 6.0 | 3.3 | 2.9 | 4.9 | 4.4 | 4.3 | | 1 |
| 2 | 2.4 | 4.7 | 4.4 | 5.7 | 3.1 | 4.2 | 2.7 | 3.2 | 3.2 | 3.3 | 3.1 | 2.2 | 2.5 | 2.6 | 3.2 | 3.8 | 3.5 | 3.0 | 2.6 | 4.3 | 4.9 | 3.8 | 7.1 | 6.6 | 7.0 | 6.1 | 6.7 | 7.2 | 6.5 | 7.6 | 4.5 | 4.6 | 3.4 | NA | 4.7 | 3.3 | 3.1 | 4.8 | 4.6 | 5.0 | 3.4 | 5.0 | 6.5 | 3.6 | 3.4 | 5.3 | 4.6 | 4.4 | | 2 |
| 3 | 3.3 | 5.7 | 4.8 | 5.4 | 3.7 | 4.7 | 3.1 | 3.9 | 3.4 | 4.2 | 4.1 | 3.2 | 3.7 | 3.7 | 4.5 | 5.1 | 3.9 | 4.9 | 2.9 | 4.3 | 4.4 | 3.2 | 5.7 | 6.3 | 6.3 | 5.6 | 6.3 | 6.7 | 6.1 | 7.0 | 3.9 | 4.1 | 2.6 | NA | 4.5 | 3.1 | 2.9 | 4.6 | 4.5 | 4.5 | 3.2 | 3.5 | 5.6 | 3.2 | 3.4 | 5.4 | 5.0 | 4.8 | | 3 |
| 4 | 3.6 | 6.1 | 4.8 | 5.4 | 3.3 | 4.5 | 4.1 | 3.8 | 3.4 | 4.4 | 3.8 | 3.3 | 3.4 | 4.3 | 4.8 | 5.5 | 3.7 | 4.4 | 3.3 | 4.0 | 3.7 | 2.3 | 4.4 | 4.4 | 4.8 | 4.8 | 4.4 | 4.1 | 4.5 | 4.6 | 3.4 | 2.9 | 1.7 | NA | 4.1 | 2.4 | 2.3 | 4.1 | 3.8 | 3.6 | 2.4 | 6.5 | 6.7 | 3.8 | 2.8 | 5.4 | 5.1 | 5.0 | | 4 |
| 5 | 3.8 | 4.1 | 4.1 | 3.6 | 2.5 | 4.0 | 3.6 | 2.5 | 2.4 | 4.2 | 2.8 | 4.1 | 3.3 | 3.9 | 4.3 | 4.0 | 2.7 | 3.6 | 2.9 | 3.2 | 2.1 | 1.6 | 1.6 | 3.4 | 3.4 | 2.0 | 3.4 | 3.8 | 5.5 | 5.0 | 1.9 | 2.2 | 1.4 | NA | 2.7 | 1.7 | 1.9 | 3.3 | 2.6 | 3.0 | 2.1 | 4.7 | 6.2 | 3.5 | 2.5 | 4.9 | 4.9 | 4.9 | | 5 |
| 6 | 4.2 | 3.7 | 3.9 | 2.8 | 3.2 | 3.6 | 3.6 | 3.4 | 3.6 | 4.4 | 3.3 | 4.5 | 4.2 | 4.7 | 4.3 | 4.5 | 4.8 | 5.2 | 4.6 | 3.4 | 3.1 | 2.2 | 1.5 | 1.4 | 2.2 | 1.6 | 2.5 | 2.6 | 4.0 | 2.6 | 3.3 | 3.7 | 2.7 | NA | 3.8 | 2.4 | 2.3 | 3.4 | 2.4 | 3.0 | 4.8 | 3.3 | 3.4 | 4.0 | 4.0 | 5.0 | 4.9 | 5.1 | | 6 |
| 7 | -2.2 | -3.5 | -1.8 | -3.4 | -1.3 | -2.2 | -2.5 | -2.5 | -2.3 | -2.3 | -2.2 | -2.6 | -2.4 | -2.2 | -3.1 | -4.0 | -3.1 | -3.1 | -2.3 | -4.3 | -5.4 | -4.3 | -6.9 | -7.1 | -7.8 | -7.1 | -8.2 | -7.5 | -7.9 | -7.6 | -4.6 | -3.8 | -2.7 | NA | -5.4 | -3.2 | -1.4 | -1.7 | -5.5 | -3.4 | -0.1 | -3.0 | -2.9 | -2.3 | 0.3 | 1.3 | 1.6 | 2.5 | | 7 |
| 8 | -2.9 | -4.3 | -2.7 | -3.4 | -3.4 | -3.5 | -3.7 | -3.3 | -2.8 | -3.2 | -3.0 | -3.3 | -3.1 | -3.0 | -4.3 | -5.1 | -7.5 | -5.8 | -4.3 | -6.4 | -7.7 | -4.5 | -7.0 | -7.4 | -8.0 | -7.6 | -8.4 | -8.1 | -8.7 | -5.4 | -7.4 | -6.9 | -5.8 | NA | -8.7 | -5.8 | -3.8 | -3.4 | -7.4 | -1.8 | -2.2 | -6.0 | -6.0 | -5.5 | -4.4 | -2.1 | -0.5 | 0.5 | | 8 |
| 9 | -2.1 | -2.2 | -0.7 | -1.4 | -2.3 | -1.8 | -1.8 | -1.0 | -0.6 | -1.1 | -1.3 | -2.3 | -1.8 | -1.9 | -2.8 | -3.9 | -5.2 | -3.6 | -1.1 | -3.4 | -5.4 | -2.1 | -5.0 | -4.4 | -5.2 | -5.5 | -6.4 | -7.4 | -9.0 | -5.3 | -6.4 | -6.6 | -6.2 | NA | -7.8 | -3.4 | -0.7 | -0.2 | -4.0 | -1.3 | -3.3 | -5.0 | -3.6 | -1.9 | -2.8 | -1.3 | -0.1 | 0.2 | | 9 |
| 10 | 3.0 | 3.3 | 3.8 | 3.4 | 2.1 | 1.6 | 2.8 | 2.7 | 3.0 | 1.8 | 2.9 | 2.8 | 2.5 | 3.8 | 1.4 | 3.0 | -3.7 | -2.7 | -1.0 | 1.6 | 0.1 | 3.4 | 1.6 | 2.2 | 2.1 | 1.6 | 1.1 | 1.3 | 0.4 | 3.3 | -2.7 | -4.8 | -2.5 | NA | -4.7 | -2.7 | -0.9 | 1.5 | 0.7 | -0.1 | 1.8 | 3.5 | 3.5 | 1.7 | -0.8 | 0.0 | 0.2 | -0.7 | | 10 |
| 11 | 4.7 | 2.7 | 3.8 | 2.0 | 2.4 | 3.2 | 3.2 | 3.9 | 4.0 | 3.6 | 3.9 | 5.2 | 4.4 | 5.6 | 4.2 | 5.0 | 0.6 | 2.8 | 0.6 | 2.9 | 4.7 | 3.9 | 4.7 | 5.2 | 4.9 | 4.4 | 3.7 | 2.4 | 1.9 | 0.9 | -0.3 | -0.4 | -0.4 | NA | -0.7 | -0.7 | 2.0 | 3.8 | 3.0 | 2.6 | 8.5 | 6.6 | 8.1 | 5.0 | 4.7 | 6.6 | 4.0 | 4.4 | | 11 |
| 12 | 3.4 | 1.2 | 2.9 | 1.3 | 2.1 | 3.2 | 2.8 | 2.9 | 2.7 | 3.4 | 3.0 | 3.1 | 3.0 | 3.3 | 2.4 | 1.7 | 0.6 | 1.4 | 2.7 | 1.4 | 3.7 | 0.5 | 0.7 | 3.2 | 3.4 | 1.4 | 2.4 | 1.4 | 2.6 | 2.1 | 1.7 | 2.3 | 1.0 | NA | 0.6 | 0.8 | 1.3 | 2.7 | 3.9 | 3.0 | 6.2 | 7.2 | 8.9 | 5.9 | 6.2 | 6.6 | 3.7 | 2.9 | | 12 |
| 13 | 2.2 | 1.1 | 2.6 | 1.6 | 3.7 | 4.0 | 3.5 | 3.3 | 3.5 | 3.2 | 2.9 | 1.9 | 2.5 | 2.4 | 1.5 | 0.7 | 1.9 | 1.1 | 2.8 | 1.3 | 0.2 | 1.7 | -0.7 | -0.4 | -1.5 | -1.2 | -1.9 | -2.3 | -2.8 | 0.9 | 0.3 | 0.8 | 0.7 | NA | 0.3 | 2.0 | 2.7 | 3.1 | -0.4 | 0.3 | 6.7 | 2.1 | 4.0 | 3.2 | 5.2 | 7.4 | 6.1 | 4.1 | | 13 |
| 14 | -0.4 | -2.2 | 0.8 | -0.9 | 1.8 | 0.8 | 0.3 | -0.3 | 0.1 | 0.3 | -0.4 | 0.0 | -0.6 | -0.4 | -1.1 | -1.9 | -0.1 | -0.8 | 1.0 | -1.1 | -1.4 | -0.1 | -2.9 | -2.4 | 0.2 | -4.5 | -1.8 | -1.7 | -2.1 | 1.1 | -2.4 | -1.1 | -2.3 | NA | -1.0 | -1.7 | -1.0 | 0.2 | -1.7 | -0.6 | -0.6 | -0.1 | -2.6 | -0.7 | -0.7 | 0.7 | 0.6 | 1.6 | | 14 |
| 15 | -5.1 | -4.3 | -2.9 | -3.1 | 0.3 | 0.3 | -1.9 | -2.5 | -2.2 | -1.7 | -3.2 | -4.9 | -4.4 | -4.5 | -4.4 | -5.6 | -3.7 | -5.5 | -0.9 | -3.3 | -1.2 | -0.7 | 0.5 | 1.2 | 2.1 | -0.8 | 2.8 | 4.3 | 3.1 | 4.4 | -1.3 | -2.4 | -3.4 | NA | -1.3 | -1.7 | -1.7 | -0.5 | -0.8 | -0.1 | -1.2 | -3.1 | -3.3 | -2.3 | -1.9 | -0.6 | -0.9 | -1.7 | | 15 |
| 16 | -3.0 | -1.9 | -0.5 | -0.2 | 0.7 | 0.9 | -1.5 | -1.4 | -0.7 | -0.2 | -1.1 | -2.9 | -1.7 | -2.2 | -2.3 | -3.5 | -3.6 | -4.4 | -2.0 | -1.2 | -0.2 | -0.9 | 0.8 | 1.1 | 2.0 | 1.0 | 2.5 | 4.0 | 3.4 | 3.6 | -0.5 | -1.0 | -2.2 | NA | -0.5 | -1.4 | -2.5 | -0.7 | -0.5 | 0.5 | -2.9 | -2.9 | -0.8 | -3.6 | -3.0 | -0.9 | -1.4 | -3.0 | | 16 |
| 17 | 0.1 | 0.4 | 1.3 | 1.4 | 0.0 | 1.3 | 0.0 | -0.1 | 0.2 | -0.2 | 0.4 | -1.4 | 0.4 | 0.1 | 0.2 | -1.4 | -2.0 | -2.2 | -2.2 | -1.0 | -0.8 | -0.6 | -0.4 | 0.5 | 1.0 | -0.6 | 1.2 | 1.2 | 1.6 | 2.5 | -0.6 | -0.4 | -1.0 | NA | -0.4 | -1.4 | -2.1 | -0.5 | -1.0 | -0.2 | -3.1 | -1.0 | -0.6 | -3.8 | -2.5 | -1.2 | -1.2 | -2.4 | | 17 |
| 18 | 2.2 | 3.7 | 2.6 | 4.2 | 1.8 | 1.8 | 2.4 | 0.4 | 2.6 | 0.3 | 2.9 | -0.4 | 2.0 | 2.3 | 2.2 | 4.3 | 0.6 | 2.7 | -0.6 | 2.2 | 2.8 | 3.3 | 4.0 | 3.7 | 3.0 | 2.7 | 3.0 | 2.5 | 1.3 | -0.6 | 0.3 | -0.4 | -0.4 | NA | 1.1 | -1.4 | -1.5 | 0.1 | 0.5 | 0.3 | -1.7 | 0.1 | -0.2 | -2.7 | -2.5 | -1.4 | -1.3 | -1.7 | | 18 |
| 19 | -1.7 | -3.7 | -3.2 | -3.1 | 0.5 | -0.3 | -0.4 | 0.4 | -0.3 | -1.7 | -1.0 | -1.6 | -0.9 | -0.3 | -1.6 | -1.2 | -0.2 | 1.1 | 1.6 | -1.4 | -0.3 | -2.1 | -4.3 | -4.3 | -3.3 | -3.2 | -3.1 | -2.5 | -2.5 | -2.3 | -0.6 | -1.1 | 1.1 | NA | -0.1 | -0.2 | -0.3 | -0.6 | -1.0 | -0.2 | -0.1 | -1.2 | -2.5 | -1.6 | -1.7 | -1.4 | -0.5 | 0.5 | | 19 |
| 20 | -3.1 | -4.3 | -3.2 | -3.7 | -3.1 | -2.5 | -2.8 | -3.4 | -3.1 | -3.6 | -3.1 | -3.8 | -3.5 | -3.8 | -4.2 | -4.6 | -4.4 | -5.0 | -3.0 | -6.3 | -6.1 | -4.5 | -7.3 | -7.2 | -9.0 | -7.5 | -8.7 | -9.1 | -9.9 | -8.2 | -6.1 | -4.4 | -4.7 | NA | -5.7 | -2.7 | -2.7 | -2.3 | -5.8 | -4.7 | -0.7 | -4.5 | -3.9 | -2.4 | -0.4 | 0.9 | 1.0 | 1.8 | | 20 |
| 21 | -4.4 | -5.2 | -6.0 | -5.2 | -3.8 | -3.7 | -3.9 | -5.2 | -4.5 | -4.3 | -4.3 | -3.5 | -4.8 | -4.9 | -4.8 | -5.3 | -5.1 | -4.9 | -4.7 | -6.9 | -6.9 | -5.3 | -6.7 | -5.7 | -5.6 | -7.5 | -4.5 | -4.7 | -5.0 | -1.6 | -7.5 | -5.9 | -7.5 | NA | -5.7 | -5.5 | -5.5 | -4.3 | -5.9 | -5.0 | -5.9 | -5.5 | -5.2 | -5.5 | -5.4 | -2.7 | -2.7 | -3.6 | | 21 |
| 22 | -5.1 | -5.4 | -4.2 | -4.4 | -4.3 | -1.9 | -4.8 | -5.1 | -5.0 | -4.8 | -5.2 | -5.1 | -5.3 | -4.6 | -5.6 | -6.0 | -5.3 | -6.3 | -5.5 | -4.9 | -4.8 | -3.5 | -2.8 | -2.7 | -3.6 | -3.5 | -2.1 | 0.0 | -1.4 | 0.7 | -6.0 | -5.5 | -5.6 | NA | -4.5 | -4.9 | -5.8 | -4.0 | -4.2 | -3.8 | -4.4 | -4.2 | -6.4 | -3.7 | -3.2 | -1.8 | -1.8 | -2.2 | | 22 |
| 23 | -4.0 | -5.0 | -3.2 | -1.6 | -2.8 | -1.3 | -3.6 | -5.1 | -4.9 | -4.3 | -4.6 | -4.1 | -4.0 | -5.2 | -4.5 | -4.8 | -3.4 | -4.3 | -4.6 | -3.2 | -3.4 | -2.7 | -2.1 | -2.0 | -1.7 | -2.4 | -1.1 | -1.0 | -3.4 | 1.0 | -4.0 | -4.4 | -3.5 | NA | -2.5 | -3.3 | -4.9 | -3.4 | -2.9 | -2.8 | -2.8 | -4.6 | -5.8 | -4.3 | -3.6 | -2.2 | -3.4 | -4.7 | | 23 |
| 24 | -0.5 | -1.4 | -1.4 | -1.9 | -0.8 | -0.5 | -3.8 | -3.5 | -1.7 | -0.7 | -0.9 | 0.0 | -0.5 | -1.3 | -1.0 | -0.3 | 1.1 | 2.6 | 3.6 | 0.3 | -0.1 | 2.4 | 0.9 | 0.4 | 1.7 | 2.2 | 1.8 | -0.1 | -3.8 | 0.3 | -2.5 | -2.0 | -1.6 | NA | -1.3 | -1.8 | -0.1 | 0.0 | -1.3 | -2.4 | -1.8 | -4.2 | -5.6 | -3.6 | -3.1 | -3.2 | -2.9 | -2.6 | | 24 |
| 25 | 0.8 | 0.8 | -0.1 | 0.6 | 0.9 | 1.5 | 0.5 | 0.3 | 0.5 | 0.5 | 0.5 | 0.4 | 0.5 | 1.0 | 0.4 | 4.6 | 3.9 | 8.1 | 8.0 | 5.7 | 2.1 | 2.7 | 1.7 | -0.2 | 1.3 | 2.7 | 2.2 | 2.3 | 0.6 | -1.6 | 2.8 | 0.3 | 0.4 | NA | 0.8 | 0.1 | 2.8 | 2.2 | -0.3 | -2.4 | -0.1 | -3.4 | -3.8 | -4.4 | -4.6 | -4.2 | -3.4 | -1.5 | | 25 |
| 26 | 1.8 | 2.0 | 2.3 | 1.3 | 0.0 | 1.9 | 1.6 | 1.6 | 1.6 | 1.9 | 1.6 | 1.9 | 1.5 | 1.6 | 1.9 | 1.5 | 1.5 | 1.4 | 1.8 | 0.8 | -0.2 | 0.3 | -1.5 | -1.0 | -1.3 | -0.9 | -0.8 | -0.2 | 0.0 | -1.1 | 1.0 | 2.0 | 1.6 | NA | -0.5 | 1.3 | 1.3 | 1.7 | 0.3 | -1.1 | 1.4 | -1.2 | -0.2 | -0.6 | -0.8 | -0.8 | -0.2 | 1.5 | | 26 |
| 27 | 0.8 | 0.2 | 1.2 | 0.8 | -0.1 | 1.1 | -1.1 | -1.9 | -1.2 | -0.6 | -0.2 | 0.2 | 0. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



Temperatura: ottobre 2011 e gli altri



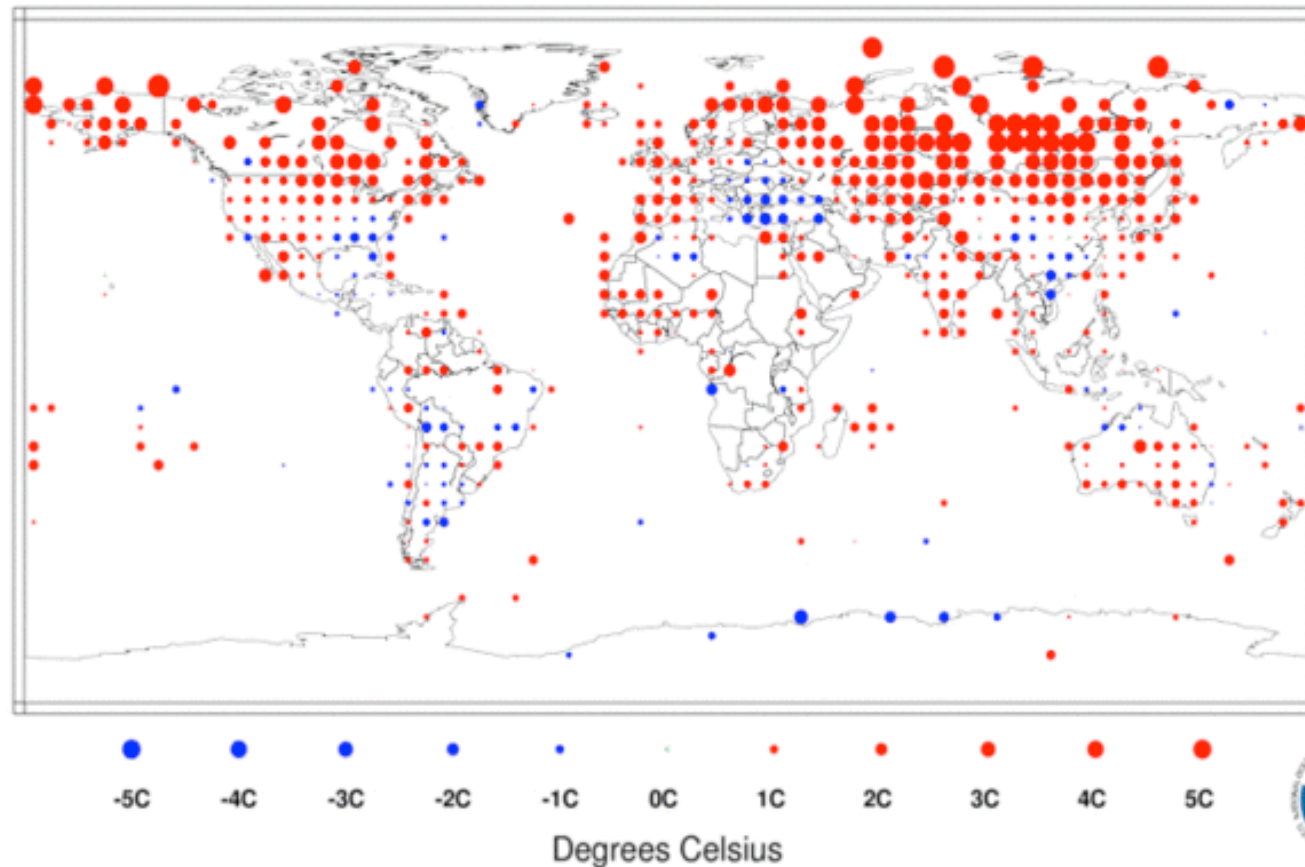


Temperatura: anomalie globali ottobre 2011

Temperature Anomalies October 2011

(with respect to a 1961-1990 base period)

National Climatic Data Center/NESDIS/NOAA





Temperatura: anomalie globali ottobre 2011

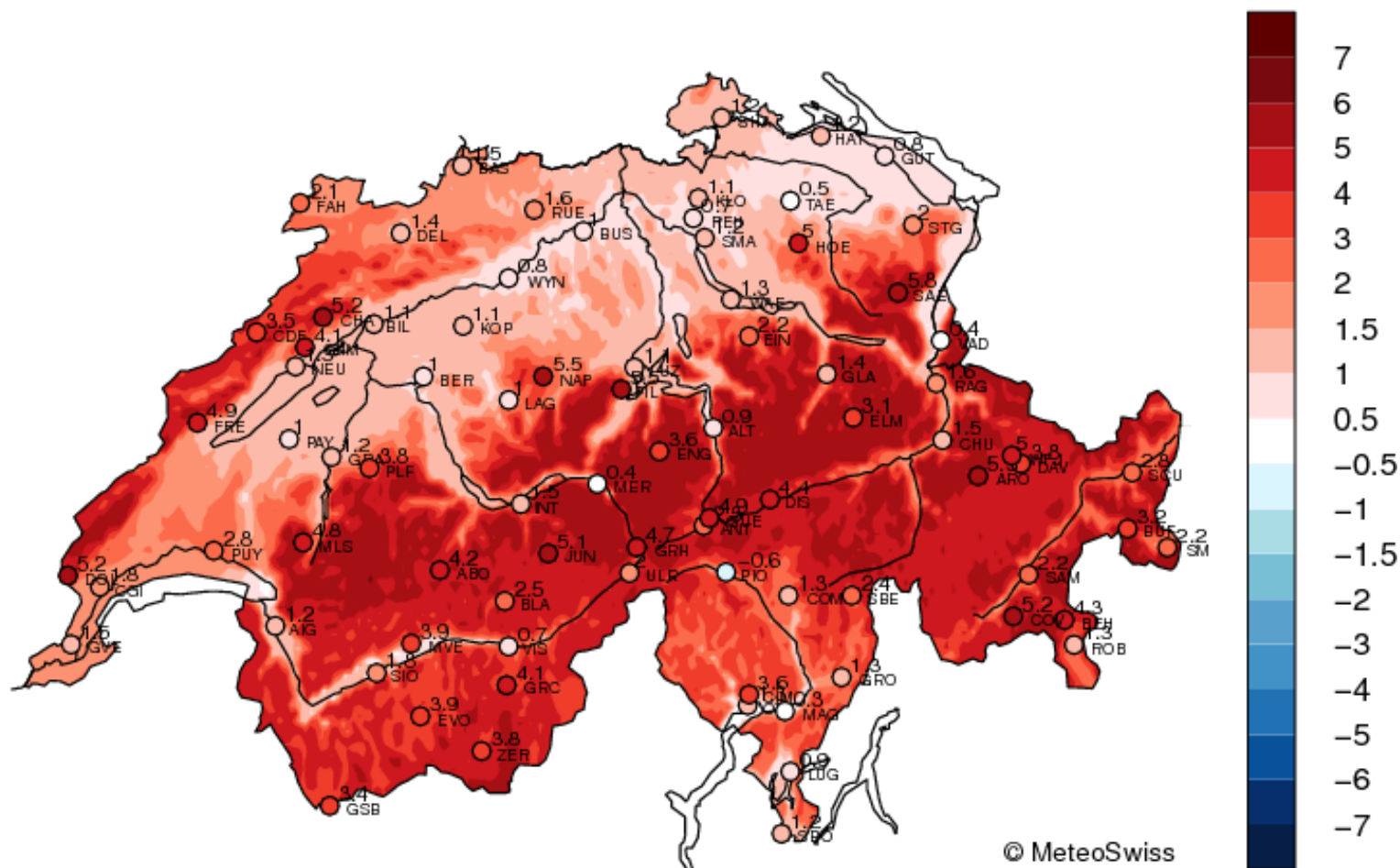
| October | Anomaly | | Rank (out of 132 years) | Records | | |
|---------------------|--------------|--------------|----------------------------|---------------------|-------|-------|
| | °C | °F | | Year(s) | °C | °F |
| Global | | | | | | |
| Land | +1.10 ± 0.11 | +1.98 ± 0.20 | 2 nd Warmest | Warmest: 2005 | +1.14 | +2.05 |
| | | | 131 st Coolest | Coolest: 1976 | -0.88 | -1.58 |
| Ocean | +0.39 ± 0.04 | +0.70 ± 0.07 | 11 th Warmest | Warmest: 2003 | +0.58 | +1.04 |
| | | | 122 nd Coolest | Coolest: 1909 | -0.47 | -0.85 |
| | | | Ties: 1998 | | | |
| Land and Ocean | +0.58 ± 0.07 | +1.04 ± 0.13 | 8 th Warmest | Warmest: 2003 | +0.72 | +1.30 |
| | | | 125 th Coolest | Coolest: 1912 | -0.54 | -0.97 |
| Northern Hemisphere | | | | | | |
| Land | +1.29 ± 0.11 | +2.32 ± 0.20 | 1 st Warmest | Warmest: 2003 | +1.25 | +2.25 |
| | | | 132 nd Coolest | Coolest: 1912 | -1.15 | -2.07 |
| Ocean | +0.40 ± 0.04 | +0.72 ± 0.07 | 12 th Warmest | Warmest: 2003, 2006 | +0.65 | +1.17 |
| | | | 121 st Coolest | Coolest: 1912 | -0.50 | -0.90 |
| Land and Ocean | +0.73 ± 0.08 | +1.31 ± 0.14 | 5 th Warmest | Warmest: 2003 | +0.88 | +1.58 |
| | | | 128 th Coolest | Coolest: 1912 | -0.74 | -1.33 |
| Southern Hemisphere | | | | | | |
| Land | +0.58 ± 0.17 | +1.04 ± 0.31 | 16 th Warmest | Warmest: 2006 | +1.15 | +2.07 |
| | | | 117 th Coolest | Coolest: 1910 | -0.74 | -1.33 |
| Ocean | +0.39 ± 0.04 | +0.70 ± 0.07 | 13 th Warmest | Warmest: 1997 | +0.59 | +1.06 |
| | | | 120 th Coolest | Coolest: 1910 | -0.46 | -0.83 |
| Land and Ocean | +0.42 ± 0.06 | +0.76 ± 0.11 | 12 th Warmest | Warmest: 1997 | +0.62 | +1.12 |
| | | | 121 st Coolest | Coolest: 1910 | -0.51 | -0.92 |
| | | | Ties: 1996, 2001, 2007 | | | |





Temperatura: novembre 2011

Monthly Temperature Anomaly (degC) Nov 2011 (Ref. 1961–1990)



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TanomM v1.2, 2011-12-01 17:05



Temperatura: novembre 2011

Abweichung vom Temperaturmittel (degC)

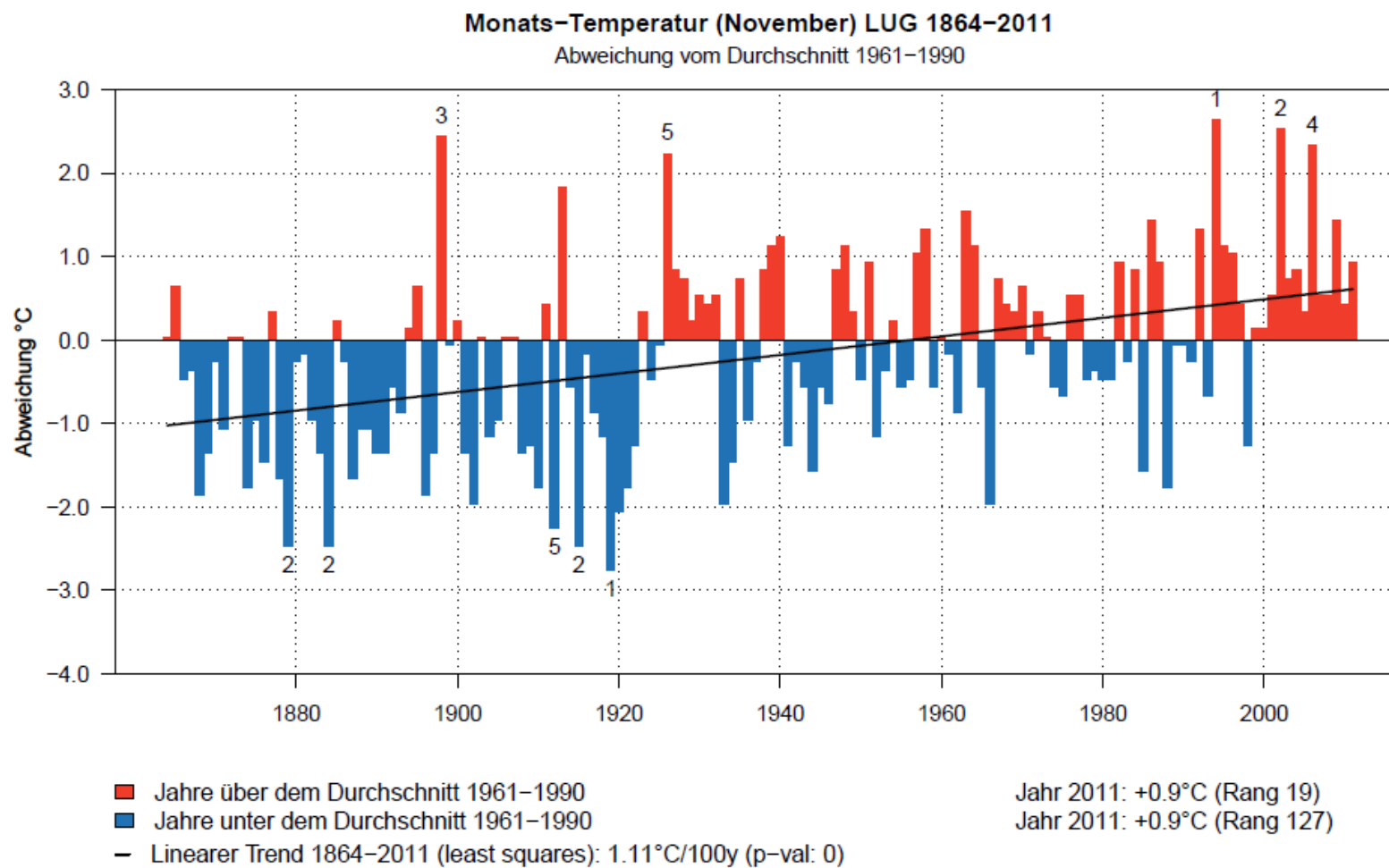
November 2011

Referenzperiode: 1961 – 1990

| | N/NW-CH | | | | Mittelland West | | | | Mittelland Zentral/Ost | | | | Täler Alpennordhang | | | | Jura | | | | Berglagen | | | | Täler GR | | | | Wallis | | | | Alpensüdseite | | | | | | | | | | | | | | | | |
|----|---------|------|------|------|-----------------|------|------|------|------------------------|------|------|------|---------------------|------|------|------|------|------|------|------|-----------|------|-----|-----|----------|-----|-----|------|--------|-----|-----|-----|---------------|-----|-----|------|------|------|-----|-----|------|-----|-----|------|------|------|------|------|----|
| | SHA | RUE | BAS | FAH | GVE | PUY | NEU | BER | WYN | LUZ | BUS | GUT | KLO | TAE | SMA | STG | CHU | VAD | ALT | ENG | ABO | ODF | CHA | DOL | MLS | NAP | PIL | SAE | WFJ | JUN | DAV | SCU | SAM | HIR | DIS | ULR | VIS | SIO | MVE | ZER | ROB | SBE | CIM | PIO | COM | OTL | LUG | SBO | |
| 1 | 2.8 | 3.1 | 3.3 | 5.7 | 5.2 | 4.6 | 2.7 | 3.1 | 3.3 | 1.8 | 3.5 | 1.5 | 2.7 | 1.4 | 1.7 | 1.8 | 0.3 | -0.5 | -0.1 | 3.1 | 3.2 | 4.8 | 4.0 | 3.1 | 3.1 | 4.8 | 3.7 | 5.2 | 4.4 | 3.1 | 3.3 | 2.3 | 1.1 | NA | 5.1 | 1.6 | 1.8 | 2.9 | 4.1 | 3.9 | 0.3 | 0.1 | 2.9 | -1.6 | 0.0 | 0.5 | 0.5 | 0.8 | 1 |
| 2 | 2.8 | 3.4 | 4.7 | 6.9 | 4.3 | 4.3 | 1.9 | 2.5 | 2.8 | 1.8 | 2.9 | 1.8 | 1.7 | 0.4 | 1.5 | 3.0 | 2.9 | 0.3 | 1.2 | 3.9 | 3.8 | 6.8 | 4.7 | 4.6 | 4.8 | 5.9 | 5.5 | 4.9 | 3.8 | 4.0 | 3.0 | 2.5 | 1.4 | NA | 4.6 | 1.9 | 4.2 | 3.7 | 4.9 | 3.8 | 0.8 | 0.9 | 1.9 | -1.3 | 0.9 | 1.4 | 2.0 | 2.8 | 2 |
| 3 | 2.3 | 2.6 | 3.8 | 5.7 | 3.6 | 3.5 | 1.9 | 2.0 | 2.2 | 1.9 | 2.4 | 2.2 | 2.4 | 1.3 | 1.8 | 4.6 | 8.4 | 8.7 | 11.2 | 8.6 | 7.3 | 7.8 | 6.3 | 4.9 | 6.2 | 8.4 | 6.9 | 5.5 | 2.9 | 3.1 | 5.0 | 2.5 | 3.9 | NA | 6.4 | 4.5 | 8.7 | 5.7 | 4.9 | 4.0 | 2.1 | 1.6 | 0.2 | 0.7 | 1.7 | 1.3 | 1.7 | 3.2 | 3 |
| 4 | 4.6 | 5.3 | 4.9 | 5.0 | 3.9 | 4.2 | 3.8 | 3.9 | 3.8 | 4.7 | 4.2 | 3.5 | 3.6 | 3.2 | 4.2 | 10.5 | 11.0 | 13.2 | 12.0 | 10.4 | 8.3 | 6.9 | 6.5 | 4.6 | 6.3 | 7.8 | 7.2 | 6.2 | 4.6 | 3.1 | 8.2 | 4.9 | 6.4 | NA | 6.9 | 6.1 | 8.5 | 8.8 | 5.5 | 4.6 | 4.3 | 3.3 | 2.1 | 2.1 | 2.2 | 1.4 | 1.7 | 4.1 | 4 |
| 5 | 5.8 | 4.7 | 3.5 | 4.6 | 3.8 | 4.4 | 3.9 | 4.5 | 3.9 | 7.2 | 4.3 | 5.0 | 4.5 | 5.7 | 6.5 | 12.1 | 8.5 | 11.6 | 11.8 | 11.7 | 8.3 | 6.7 | 8.1 | 6.6 | 6.9 | 9.1 | 7.6 | 6.9 | 5.3 | 4.0 | 9.2 | 7.5 | 7.1 | NA | 4.4 | 5.8 | 7.1 | 8.9 | 5.4 | 4.7 | 6.0 | 4.6 | 3.4 | 3.2 | 3.2 | 2.6 | 3.5 | 6.9 | 5 |
| 6 | 6.4 | 1.7 | 2.4 | 3.4 | 3.2 | 4.7 | 4.1 | 4.0 | 3.9 | 4.8 | 4.4 | 4.5 | 5.2 | 4.8 | 5.6 | 8.6 | 7.7 | 8.3 | 8.7 | 11.2 | 8.5 | 5.3 | 9.1 | 7.2 | 7.0 | 9.4 | 7.9 | 7.3 | 5.1 | 4.3 | 8.2 | 7.5 | 7.0 | NA | 7.4 | 6.6 | 7.8 | 8.6 | 6.0 | 4.6 | 6.3 | 5.0 | 4.0 | 4.5 | 4.5 | 3.4 | 3.7 | 5.9 | 6 |
| 7 | 4.7 | 3.3 | 3.4 | 3.5 | 4.5 | 5.1 | 5.0 | 5.3 | 4.6 | 4.8 | 4.0 | 4.2 | 4.3 | 4.4 | 3.9 | 3.6 | 6.7 | 2.7 | 4.8 | 4.8 | 3.9 | 4.8 | 3.8 | 4.1 | 3.7 | 3.4 | 5.2 | 5.0 | 2.8 | 2.2 | 6.0 | 5.7 | 4.7 | NA | 6.2 | 5.9 | 7.6 | 6.5 | 4.7 | 4.6 | 5.0 | 3.3 | 1.3 | 4.1 | 4.4 | 3.1 | 3.2 | 5.3 | 7 |
| 8 | 4.6 | 3.2 | 3.6 | 2.9 | 4.7 | 4.2 | 3.9 | 4.4 | 4.7 | 4.7 | 4.3 | 3.1 | 4.1 | 2.8 | 2.9 | 1.7 | 7.4 | 1.7 | 5.2 | 4.3 | 3.9 | 3.7 | 4.9 | 4.1 | 3.9 | 5.5 | 5.0 | 4.4 | 2.9 | 1.3 | 5.3 | 5.0 | 4.6 | NA | 4.7 | 4.5 | 8.0 | 5.9 | 4.9 | 3.2 | 4.1 | 2.1 | 1.3 | 2.2 | 2.5 | 1.6 | 1.9 | 4.3 | 8 |
| 9 | 3.2 | 2.6 | 3.1 | 2.0 | 3.7 | 3.8 | 2.4 | 3.1 | 2.9 | 2.7 | 3.0 | 2.1 | 2.6 | 1.0 | 2.5 | 1.3 | 4.8 | -0.6 | 2.6 | 5.0 | 5.4 | 4.2 | 7.9 | 7.3 | 5.9 | 8.0 | 6.4 | 5.3 | 3.1 | 3.0 | 2.6 | 2.7 | 1.4 | NA | 5.4 | 4.2 | 7.4 | 5.4 | 5.9 | 4.3 | 1.7 | 1.9 | 3.0 | 2.5 | 2.7 | 3.2 | 2.9 | 4.9 | 9 |
| 10 | 0.7 | 0.1 | 1.0 | 0.2 | 2.8 | 3.5 | 1.6 | 1.4 | 1.5 | 1.4 | 1.4 | 0.7 | 1.1 | 0.7 | 0.0 | -0.4 | 1.2 | -1.5 | 0.8 | 2.5 | 3.2 | 2.5 | 4.7 | 4.8 | 3.8 | 4.8 | 4.9 | 5.4 | 5.2 | 5.1 | 2.5 | 1.8 | 0.8 | NA | 3.4 | 1.2 | 0.6 | 2.0 | 2.8 | 3.4 | 1.1 | 1.0 | 5.0 | -0.6 | 2.0 | 2.5 | 1.9 | 2.6 | 10 |
| 11 | 1.3 | 0.3 | 1.2 | -0.2 | 2.6 | 3.4 | 0.8 | 1.1 | 1.7 | 1.8 | 1.3 | 1.2 | 1.4 | 0.9 | 0.3 | -0.5 | -0.9 | -1.1 | 0.3 | 0.3 | 3.0 | 2.2 | 5.1 | 5.5 | 3.8 | 4.7 | 4.3 | 4.8 | 3.5 | 4.1 | 2.4 | 1.7 | 1.2 | NA | 3.5 | 1.5 | -0.3 | 1.4 | 3.7 | 2.9 | 1.5 | 1.2 | 1.4 | 0.8 | 2.5 | 2.7 | 2.1 | 2.4 | 11 |
| 12 | 2.6 | 1.5 | 1.8 | 3.0 | 2.0 | 3.5 | 1.6 | 1.8 | 1.7 | 1.5 | 1.4 | 1.0 | 2.6 | 0.5 | 1.8 | 0.0 | 2.6 | -0.8 | -0.4 | 3.3 | 3.6 | 3.6 | 5.0 | 5.1 | 4.2 | 5.6 | 5.0 | 4.7 | 3.9 | 5.0 | 2.4 | 1.7 | 0.6 | NA | 3.4 | 0.5 | -0.6 | 1.1 | 3.1 | 2.6 | 0.2 | 2.9 | 2.5 | 0.7 | 2.8 | 2.2 | 2.0 | 1.9 | 12 |
| 13 | 1.7 | 0.6 | 0.9 | -0.5 | 2.2 | 2.9 | 0.7 | 0.2 | 1.3 | 0.9 | 1.8 | 0.7 | 2.3 | 1.4 | 1.2 | -0.7 | -0.5 | -2.8 | -0.5 | 2.4 | 3.8 | 2.9 | 6.5 | 6.5 | 5.6 | 6.0 | 7.1 | 10.0 | 8.8 | 7.9 | 2.9 | 1.6 | 0.4 | NA | 4.8 | 0.6 | -2.0 | 0.2 | 4.7 | 3.9 | 0.1 | 0.7 | 4.8 | -1.9 | 0.9 | 1.1 | 0.0 | -0.3 | 13 |
| 14 | 0.7 | -1.5 | -0.3 | -1.8 | 0.9 | 1.6 | -0.6 | -0.9 | -0.8 | -0.4 | -0.4 | -0.6 | 1.0 | -0.7 | -0.1 | -2.8 | -2.2 | -3.8 | -2.2 | 1.7 | 3.3 | 0.7 | 5.0 | 5.7 | 5.1 | 5.1 | 6.8 | 9.6 | 9.0 | 8.8 | 2.9 | 1.4 | 0.1 | NA | 3.1 | -0.3 | -2.7 | -1.3 | 2.8 | 3.8 | -0.6 | 0.3 | 4.0 | -3.1 | 0.4 | 0.6 | -0.2 | -0.4 | 14 |
| 15 | -1.0 | -2.6 | -1.1 | -3.2 | 0.3 | 0.8 | -2.3 | -2.7 | -1.9 | -0.7 | -1.2 | -2.0 | -1.2 | -2.0 | -1.8 | -3.4 | -4.5 | -3.9 | -2.9 | -0.6 | 2.0 | -0.7 | 4.3 | 4.8 | 4.6 | 4.3 | 6.9 | 8.3 | 8.2 | 7.6 | 3.0 | 1.5 | 0.5 | NA | 2.4 | -0.9 | -3.8 | -2.2 | 2.0 | 3.2 | -0.8 | 0.2 | 3.5 | -3.8 | -0.3 | 0.2 | -0.5 | -1.1 | 15 |
| 16 | -2.1 | -2.5 | -1.2 | -2.4 | -0.7 | 0.2 | -1.8 | -2.0 | -2.3 | -1.6 | -2.1 | -2.2 | -1.6 | -2.1 | -1.4 | -2.4 | -4.1 | -4.0 | -3.0 | -0.1 | 1.6 | -0.4 | 3.2 | 4.2 | 3.3 | 3.0 | 4.4 | 6.2 | 5.9 | 6.3 | 2.5 | 1.3 | 0.5 | NA | 2.2 | -1.0 | -4.5 | -2.7 | 1.3 | 2.6 | -1.2 | 1.0 | 1.7 | -4.0 | -0.3 | 0.3 | -0.5 | -1.2 | 16 |
| 17 | -1.2 | 1.5 | 0.9 | 3.6 | -1.9 | 0.9 | -0.2 | -1.1 | -0.9 | -1.0 | -0.7 | -1.7 | -0.9 | -2.6 | 0.6 | 3.3 | -1.1 | -0.2 | -3.0 | 1.2 | 1.4 | 3.2 | 3.0 | 2.4 | 1.4 | 3.3 | 2.0 | 2.6 | 3.2 | 4.9 | 1.0 | 0.9 | 0.0 | NA | 1.8 | -1.2 | -4.2 | -1.9 | 0.9 | 1.8 | -1.0 | 1.3 | 2.8 | -3.9 | -0.6 | 0.1 | -0.8 | -1.6 | 17 |
| 18 | -2.6 | 1.7 | 1.2 | 3.0 | -1.9 | 0.9 | -1.0 | -1.4 | -2.6 | -0.9 | -2.2 | -0.9 | -3.3 | -2.5 | -0.1 | 1.2 | -1.4 | 0.4 | -2.9 | 0.5 | 0.8 | 0.7 | 2.2 | 2.7 | 2.0 | 2.8 | 3.2 | 4.3 | 4.3 | 5.3 | 1.4 | 0.5 | -0.1 | NA | 1.6 | -1.2 | -4.0 | -1.7 | 1.1 | 1.6 | -0.7 | 0.1 | 3.3 | -3.8 | -0.4 | 0.1 | -0.9 | -1.6 | 18 |
| 19 | -2.5 | 0.4 | 0.0 | 2.9 | -0.6 | 1.3 | -1.0 | -1.8 | -2.9 | -3.2 | -2.4 | -1.3 | -2.7 | -3.4 | -2.2 | 1.7 | -1.4 | -2.2 | -3.1 | 2.6 | 3.0 | 3.8 | 4.6 | 4.8 | 4.4 | 5.6 | 4.0 | 4.4 | 4.3 | 3.8 | 2.3 | 1.1 | 0.4 | NA | 3.8 | 0.3 | -2.7 | -0.9 | 3.8 | 2.9 | -0.7 | 0.0 | 2.9 | -3.5 | -0.2 | 0.2 | -0.8 | -1.7 | 19 |
| 20 | -0.8 | 0.9 | 0.9 | 4.2 | 0.8 | 2.9 | 0.9 | 0.0 | -2.1 | -1.0 | -1.5 | -0.8 | -0.6 | -1.9 | -0.7 | -0.2 | -0.8 | -4.5 | -1.2 | 3.7 | 4.2 | 4.4 | 5.8 | 6.1 | 4.2 | 6.2 | 4.8 | 5.2 | 4.8 | 4.1 | 3.4 | 2.0 | 1.5 | NA | 4.4 | 1.7 | -0.5 | 1.3 | 4.1 | 4.4 | -0.3 | 0.7 | 3.4 | -3.1 | -0.3 | 0.1 | -0.6 | -1.3 | 20 |
| 21 | -0.6 | 2.3 | 2.5 | 5.2 | -0.7 | 2.5 | 1.3 | 1.1 | -1.3 | -0.1 | -1.4 | 0.0 | -0.4 | -1.6 | 0.3 | 3.1 | 1.4 | -0.7 | -1.9 | 4.1 | 4.6 | 4.7 | 6.1 | 6.1 | 4.7 | 6.9 | 5.1 | 4.8 | 4.3 | 3.4 | 3.0 | 1.9 | 1.8 | NA | 4.9 | 1.8 | -0.9 | 0.4 | 4.5 | 3.6 | -0.7 | 1.0 | 2.5 | -2.6 | -0.7 | -1.1 | -0.9 | -0.8 | 21 |
| 22 | -1.8 | 3.1 | 0.1 | 3.8 | -0.2 | 2.4 | -0.4 | -0.2 | -2.0 | -0.2 | -1.9 | 0.4 | -1.6 | -2.2 | -0.9 | 1.0 | 1.4 | -3.7 | -1.7 | 3.1 | 3.7 | 3.8 | 5.0 | 5.4 | 4.3 | 5.1 | 4.8 | 5.4 | 4.6 | 4.9 | 3.3 | 2.3 | 1.6 | NA | 4.9 | 1.7 | -1.2 | 1.0 | 4.4 | 3.6 | -1.0 | 1.2 | 2.6 | -3.1 | -1.5 | 0.2 | 0.3 | 0.6 | 22 |
| 23 | -1.5 | -2.0 | -1.4 | -0.4 | -0.5 | 1.9 | -1.2 | -2.3 | -1.3 | -0.6 | -1.2 | -1.6 | -0.8 | -2.2 | -2.0 | -2.6 | -1.8 | -3.2 | -1.4 | 1.6 | 3.0 | 1.7 | 4.8 | 5.5 | 3.5 | 4.7 | 4.4 | 4.5 | 3.7 | 4.4 | 2.8 | 2.0 | 1.3 | NA | 3.0 | 1.1 | -1.9 | 0.0 | 2.5 | 3.4 | 0.9 | 4.2 | 5.3 | -1.6 | 1.0 | 1.3 | 0.3 | 0.3 | 23 |
| 24 | -2.4 | -2.5 | -1.2 | -2.3 | 0.2 | -0.2 | -1.8 | -1.3 | -1.0 | -0.6 | -1.5 | -2.4 | -1.6 | -2.2 | -2.6 | -3.6 | -2.4 | -2.0 | -0.1 | -1.5 | 3.5 | 1.0 | 6.5 | 5.9 | 5.5 | 5.8 | 6.3 | 6.4 | 5.0 | 7.4 | 2.5 | 1.5 | 0.7 | NA | 3.0 | 0.3 | -2.7 | -0.8 | 2.9 | 4.0 | 1.1 | 4.5 | 6.1 | -0.8 | 1.0 | 1.7 | 0.9 | 0.2 | 24 |
| 25 | -1.3 | -0.1 | -1.0 | -3.1 | -1.3 | 0.7 | -0.5 | -1.1 | -0.7 | -1.3 | -0.8 | -1.6 | -1.1 | -1.4 | -0.9 | -0.6 | -1.5 | -2.7 | -1.8 | 3.3 | 4.7 | 1.9 | 5.2 | 5.4 | 5.3 | 5.6 | 5.5 | 5.7 | 5.4 | 6.0 | 3.8 | 2.6 | 1.3 | NA | 4.5 | 0.9 | -2.8 | -0.7 | 3.6 | 3.9 | 0.6 | 4.6 | 6.2 | -1.8 | 0.7 | 1.4 | 0.5 | 0.0 | 25 |
| 26 | 0.3 | 2.0 | 0.3 | 0.4 | -1.1 | 1.6 | 0.6 | 0.0 | -0.3 | -0.4 | 0.0 | -0.2 | -0.6 | -1.3 | 0.6 | 2.0 | -0.4 | -1.4 | -1.6 | 1.7 | 2.9 | 1.5 | 4.1 | 5.2 | 5.3 | 3.5 | 4.5 | 3.8 | 4.0 | 5.2 | 2.3 | 2.3 | 1.7 | NA | 2.7 | 0.7 | -2.0 | -0.6 | 2.2 | 3.1 | 3.1 | 6.1 | 8.2 | 5.3 | 3.0 | 1.5 | 0.3 | -0.2 | 26 |
| 27 | 1.6 | 1.6 | 0.0 | -0.8 | -1.0 | 3.0 | 2.0 | 0.2 | 0.2 | -0.2 | 0.5 | 0.4 | 1.2 | 0.9 | 1.3 | 4.7 | 1.9 | 1.0 | -2.2 | 4.4 | 6.6 | 1.8 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | |

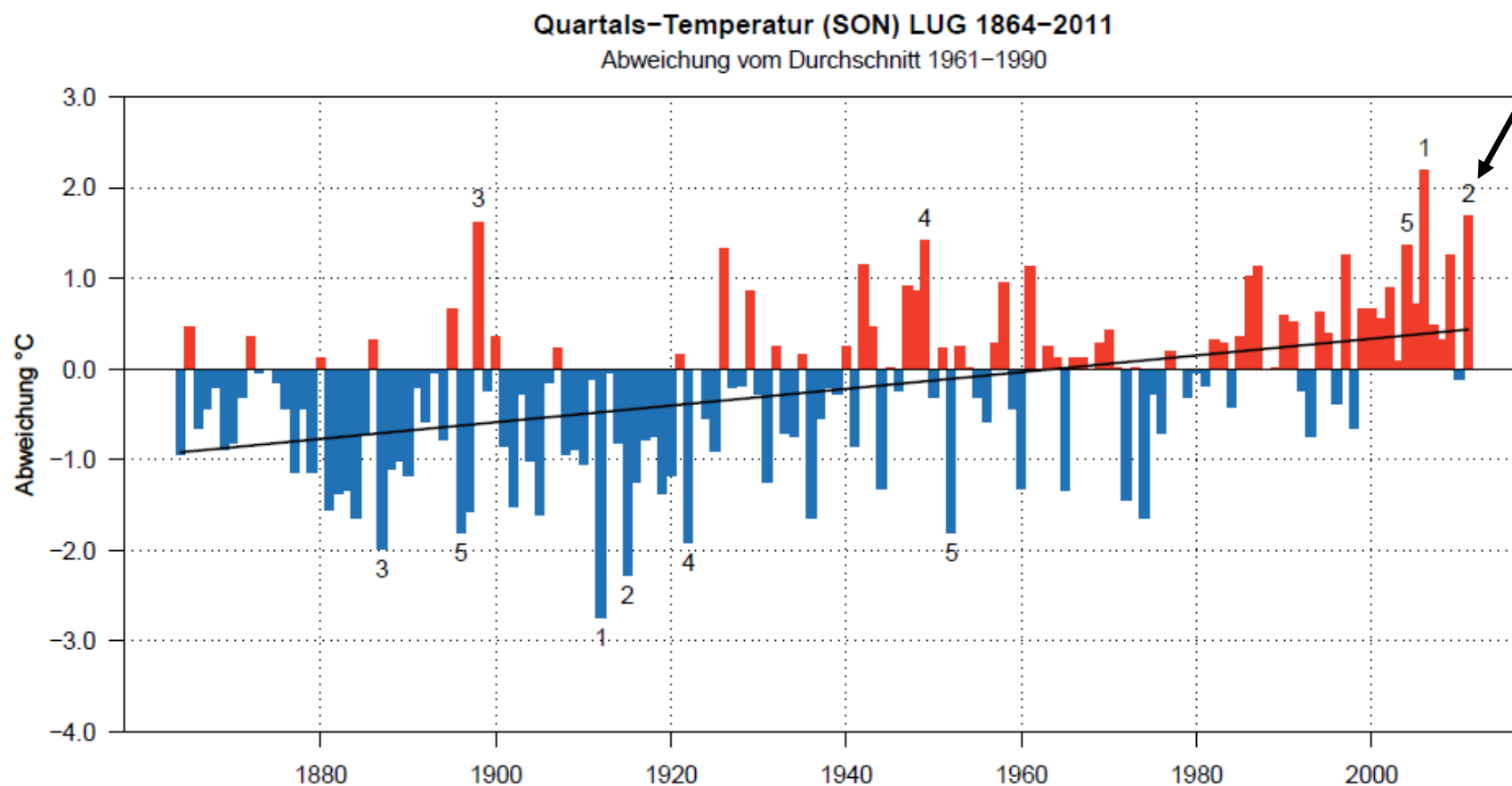


Temperatura: novembre TI 2011 e gli altri





L'autunno TI 2011 rispetto agli altri



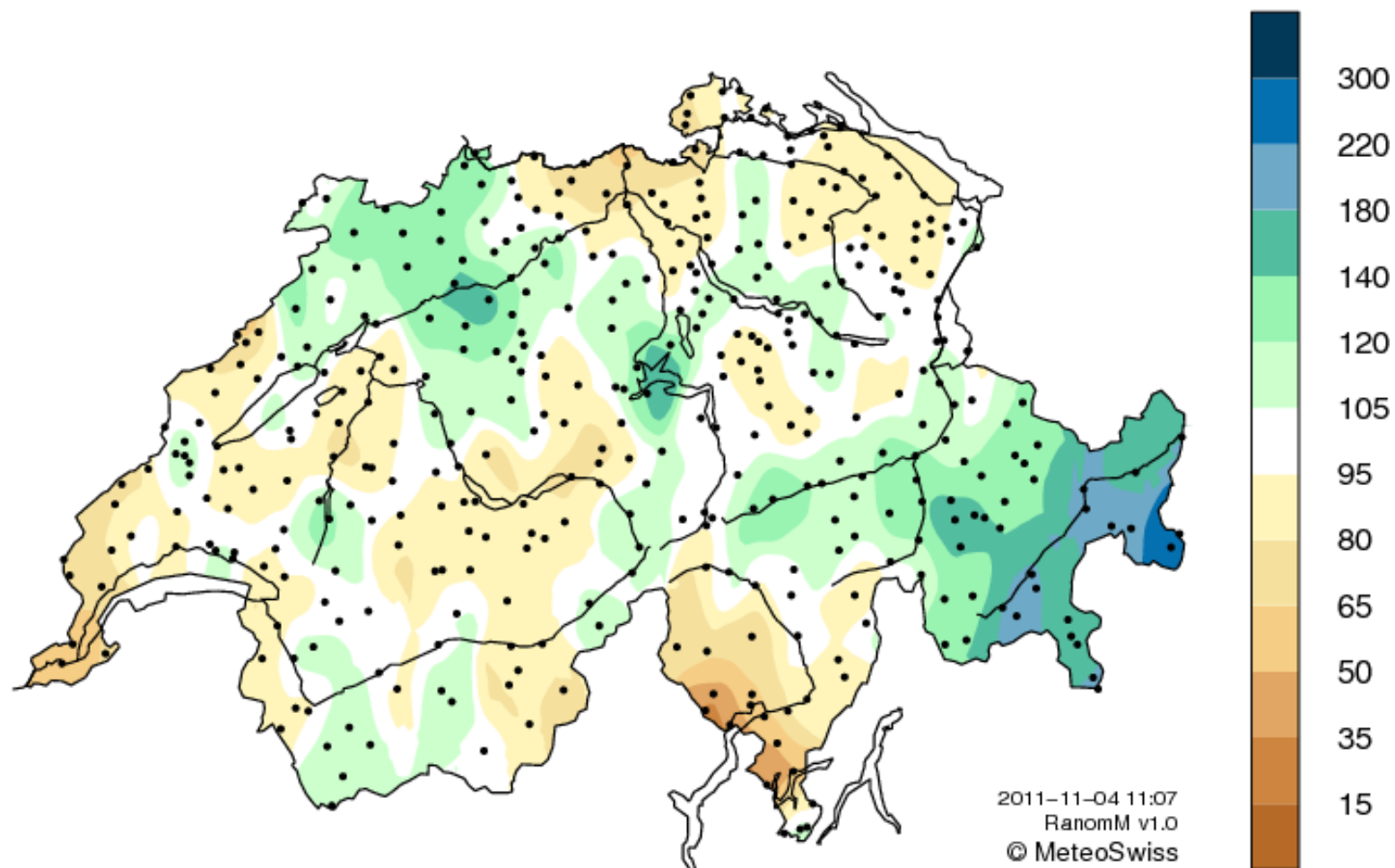
■ Jahre über dem Durchschnitt 1961–1990
■ Jahre unter dem Durchschnitt 1961–1990
— Linearer Trend 1864–2011 (least squares) $0.92^{\circ}\text{C}/100\text{y}$ (p-val: 0)

Jahr 2011: $+1.7^{\circ}\text{C}$ (Rang 2)
Jahr 2011: $+1.7^{\circ}\text{C}$ (Rang 147)



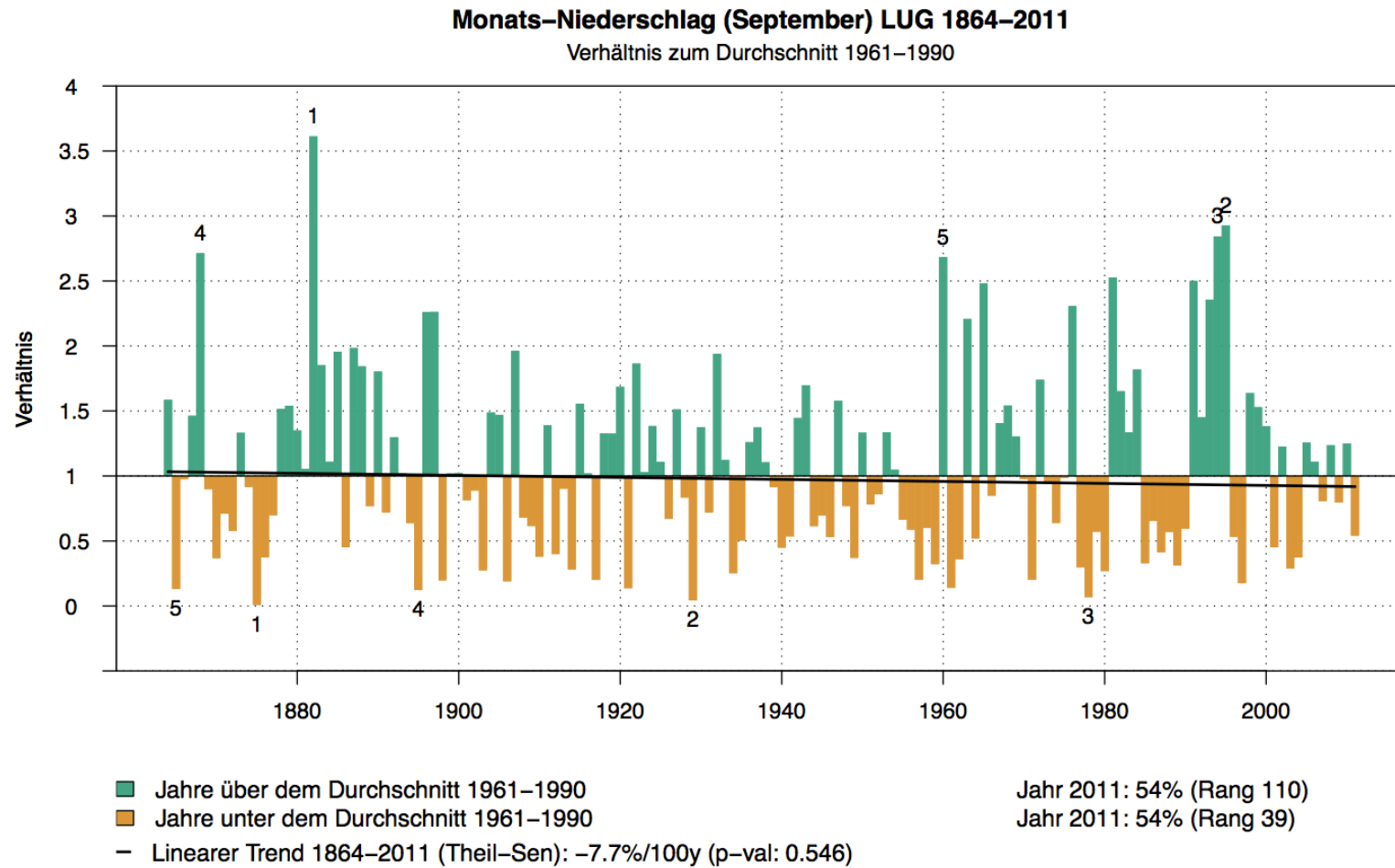
Precipitazioni: settembre 2011

Monthly Precipitation Anomaly (%) Sep 2011 (Ref. 1961–1990)





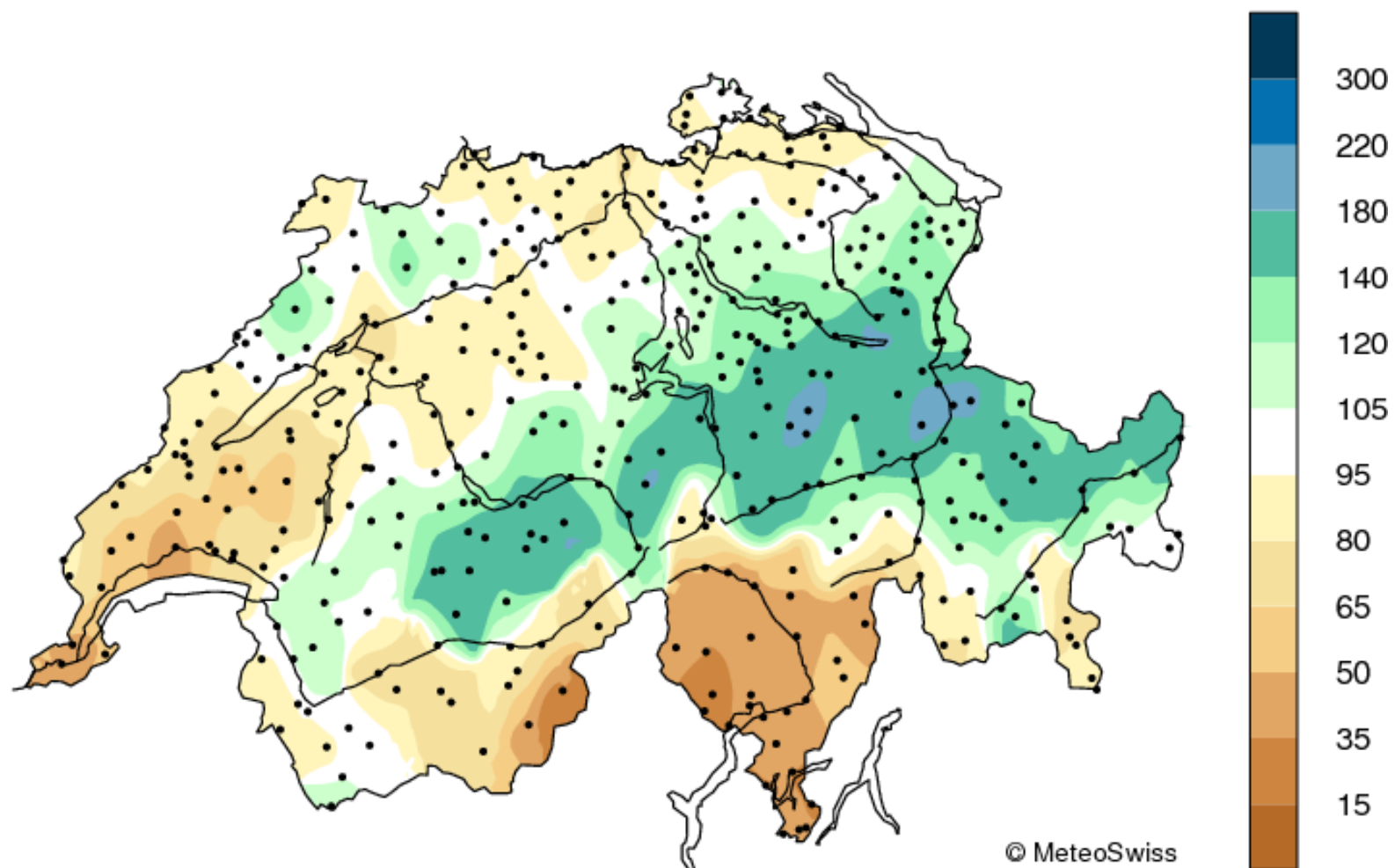
Settembre 2011 e gli altri





Precipitazioni: ottobre 2011

Monthly Precipitation Anomaly (%) Oct 2011 (Ref. 1961–1990)

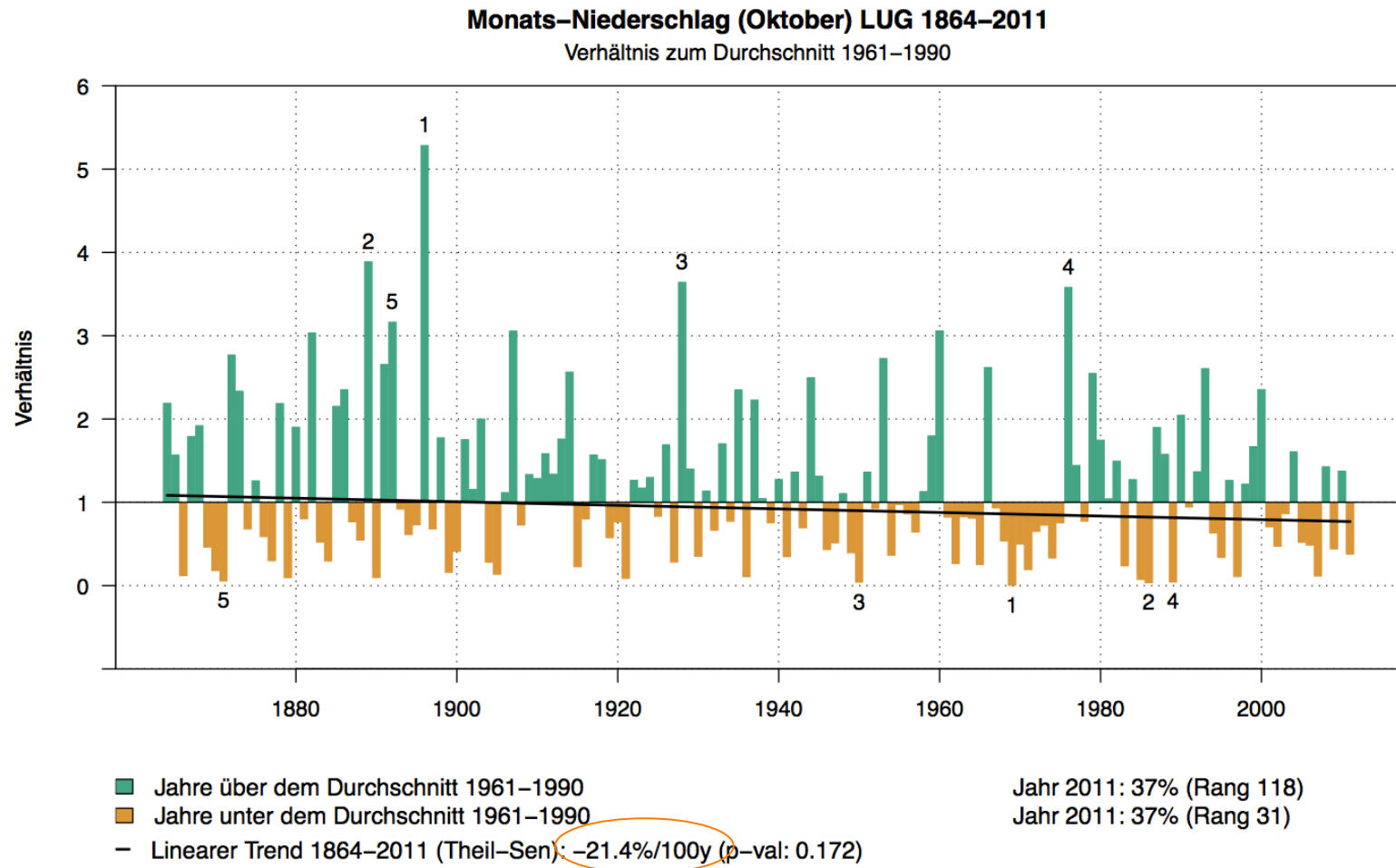


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RanomM v1.0, 2011-11-24 18:30



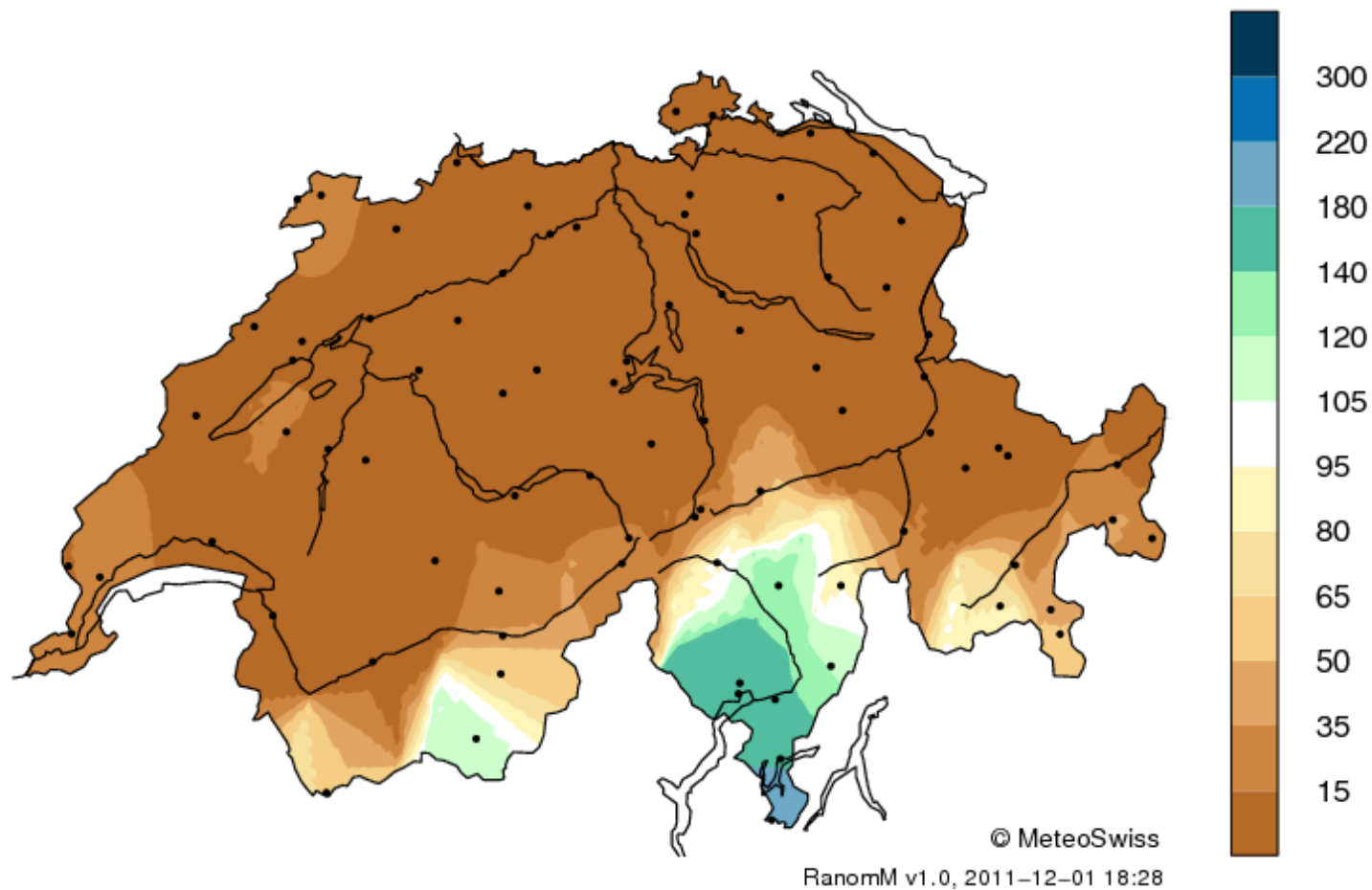
Ottobre 2011 e gli altri





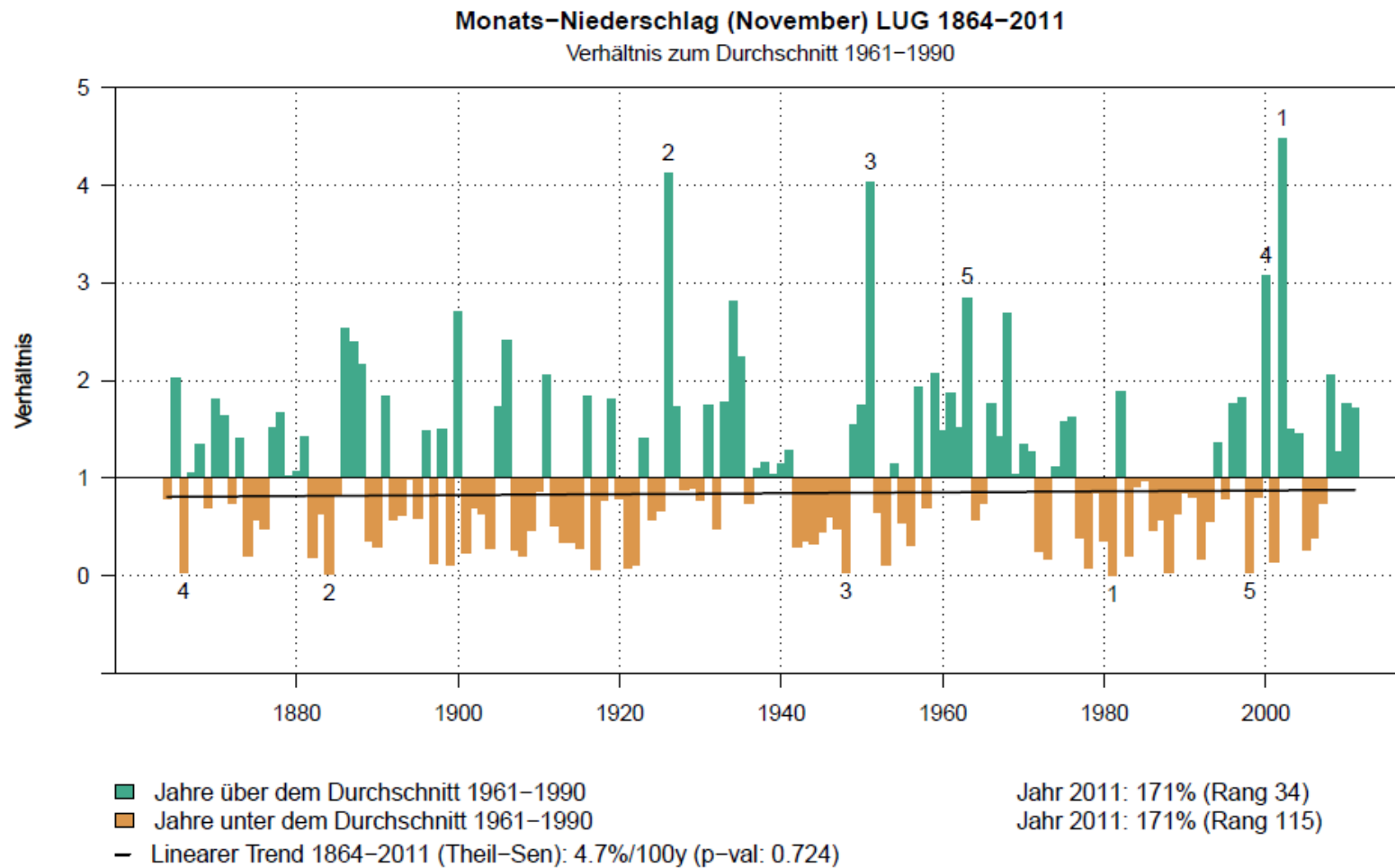
Precipitazioni novembre 2011

Monthly Precipitation Anomaly (%) Nov 2011 (Ref. 1961–1990)



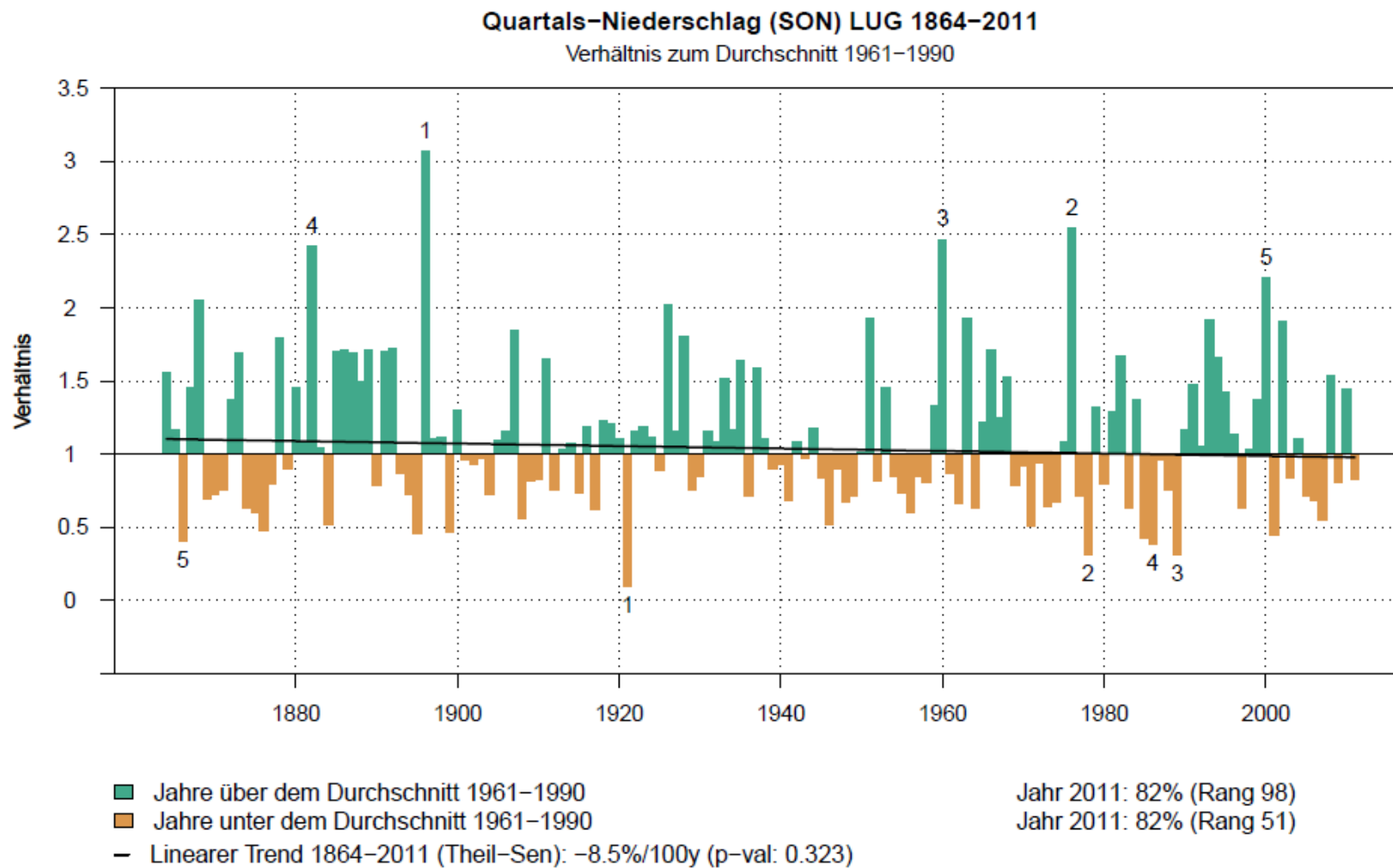


Novembre 2011 e gli altri



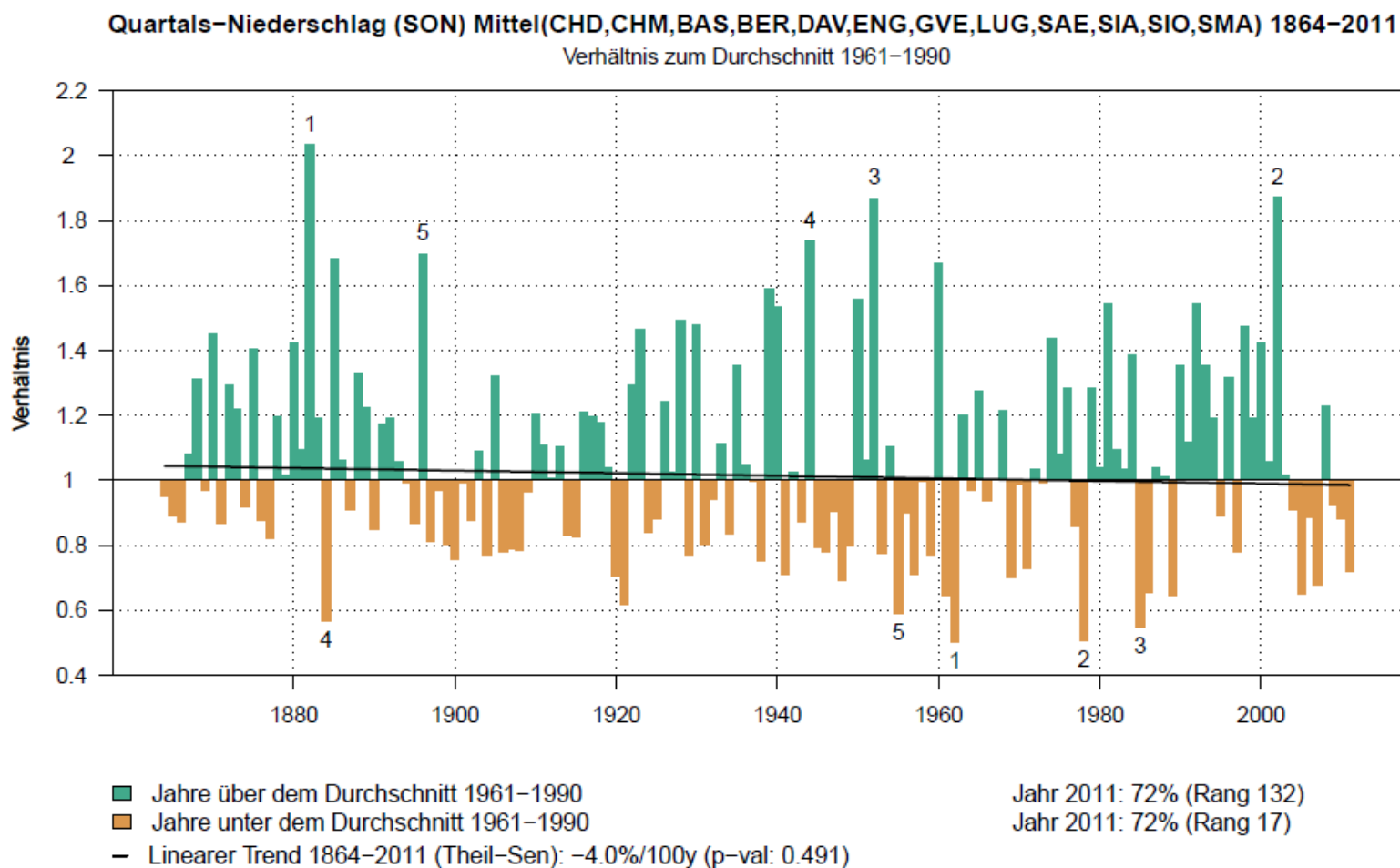


L'autunno TI 2011 rispetto agli altri





L'autunno CH 2011 rispetto agli altri

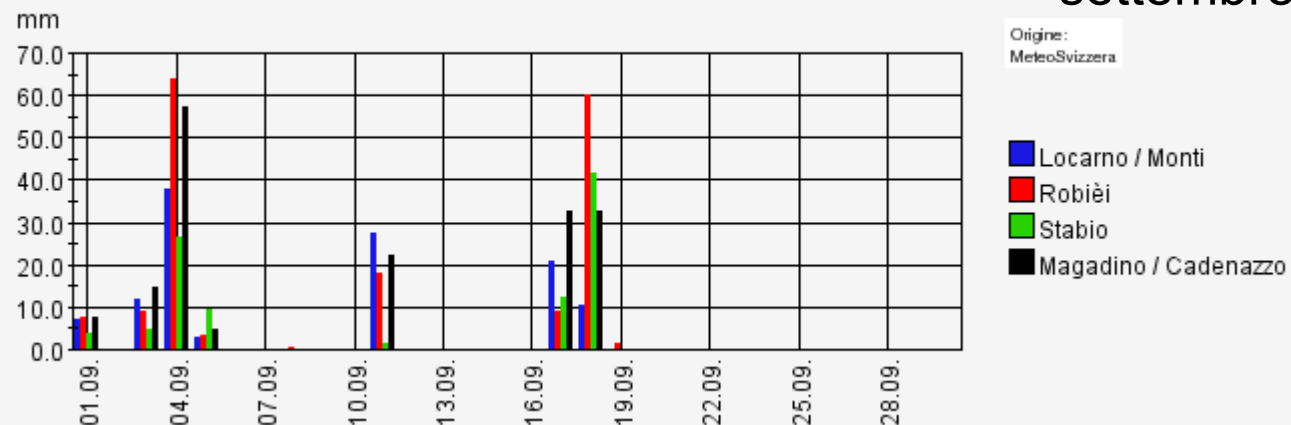




Precipitazioni giornaliere

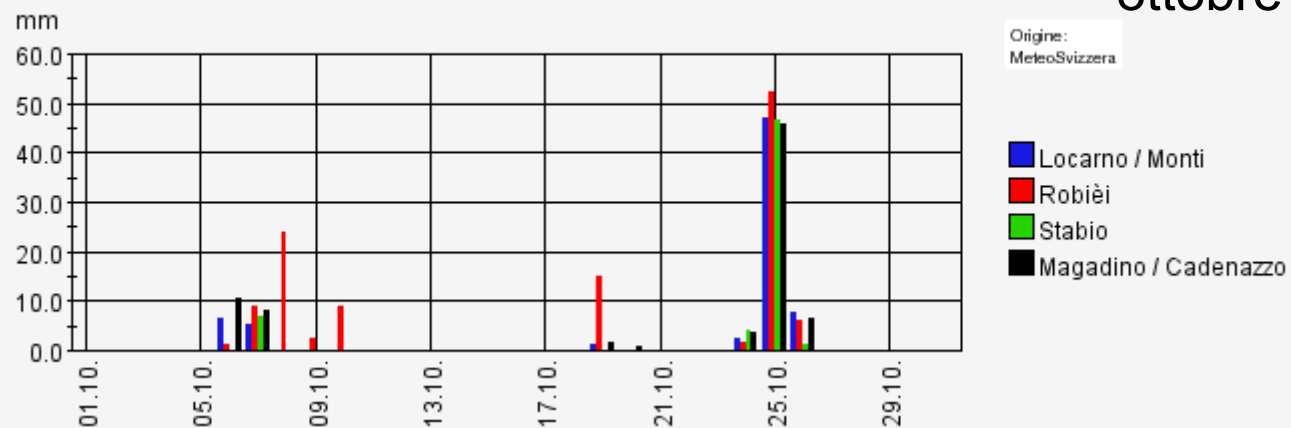
Precipitazioni; somma giornaliera civile [mm] 01.09.2011 - 30.09.2011

settembre



Precipitazioni; somma giornaliera civile [mm] 01.10.2011 - 31.10.2011

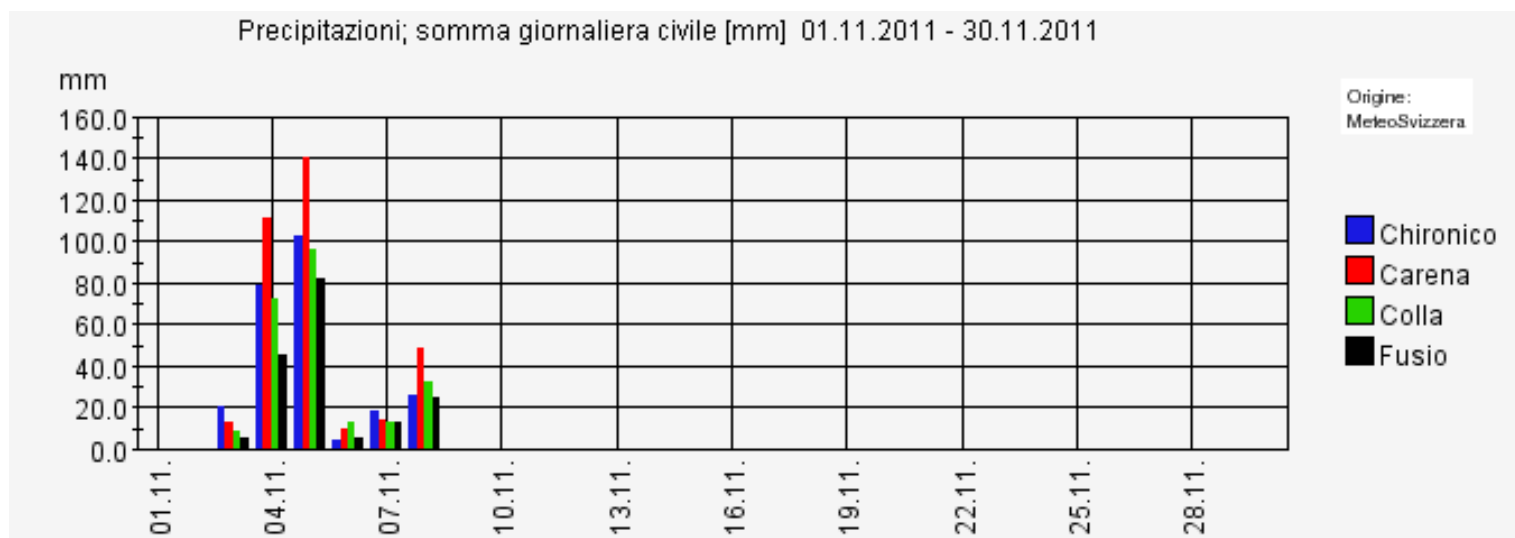
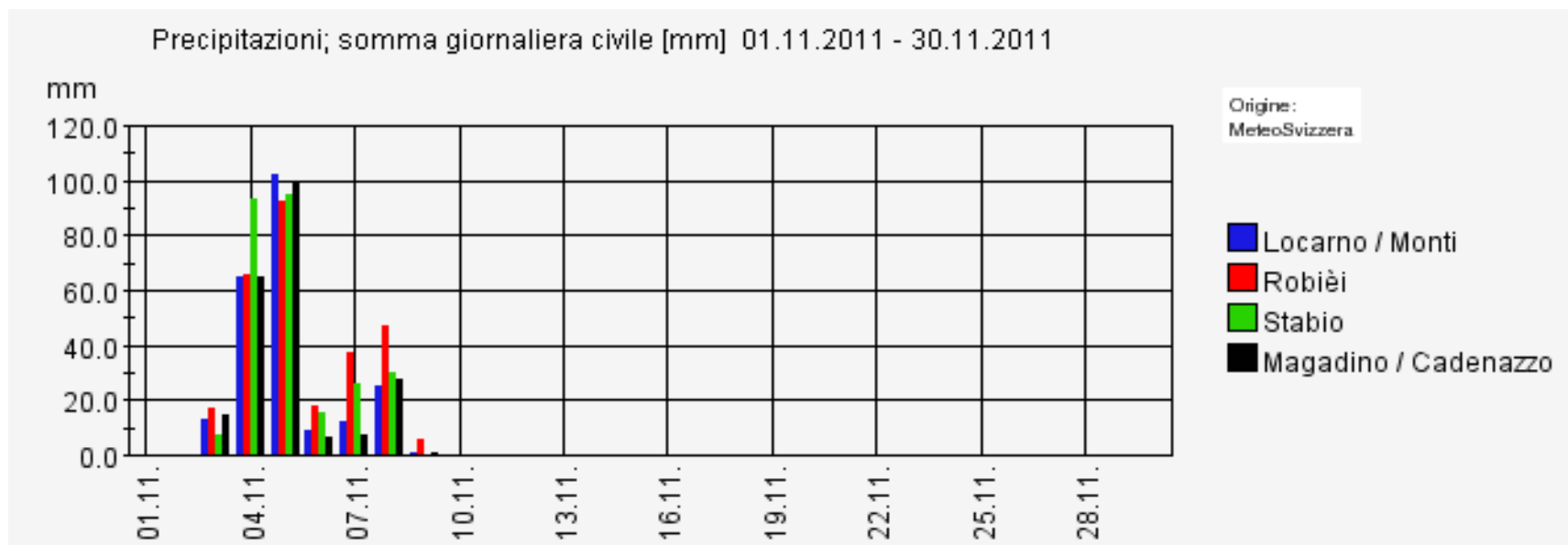
ottobre





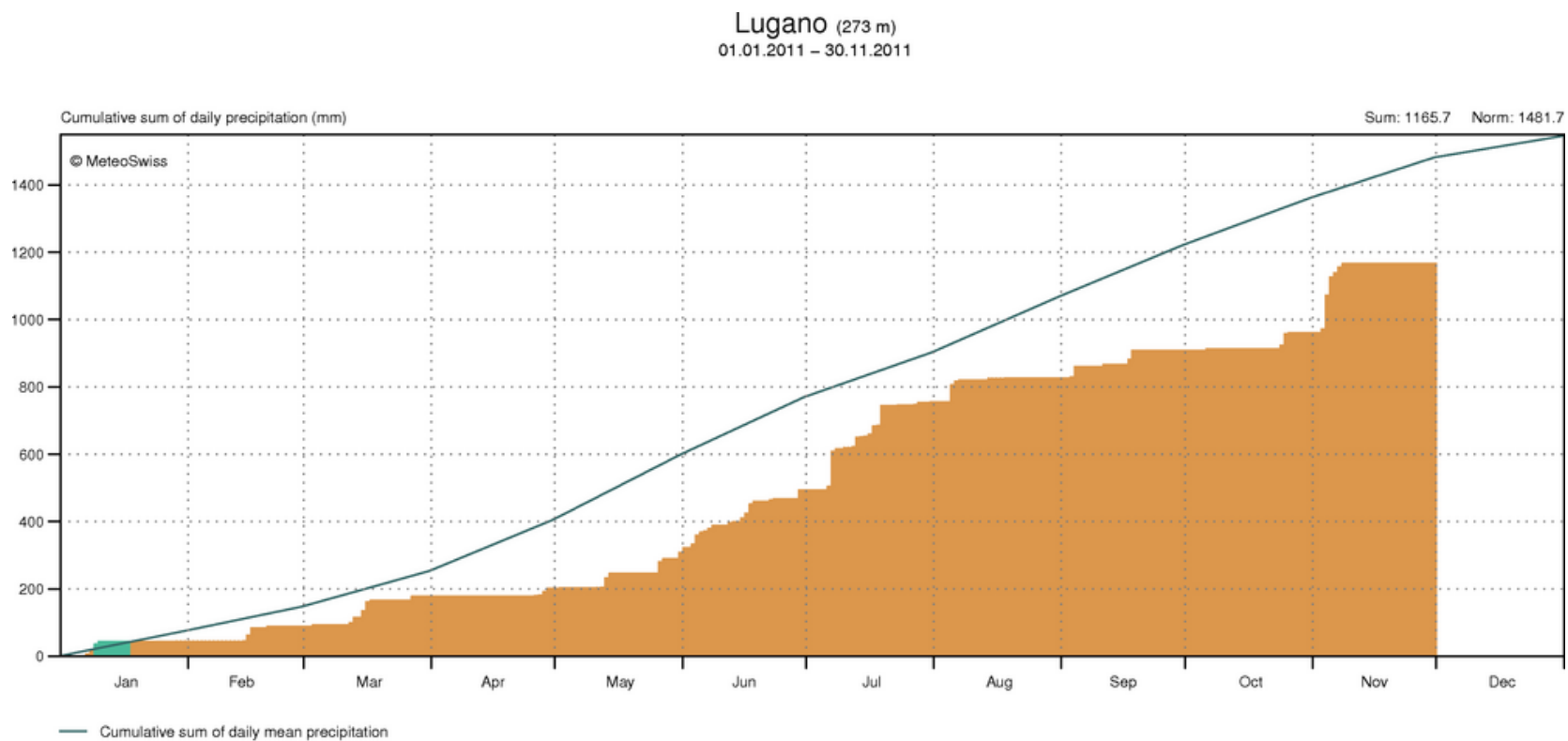
Precipitazioni giornaliere

novembre





Il deficit idrico del 2011

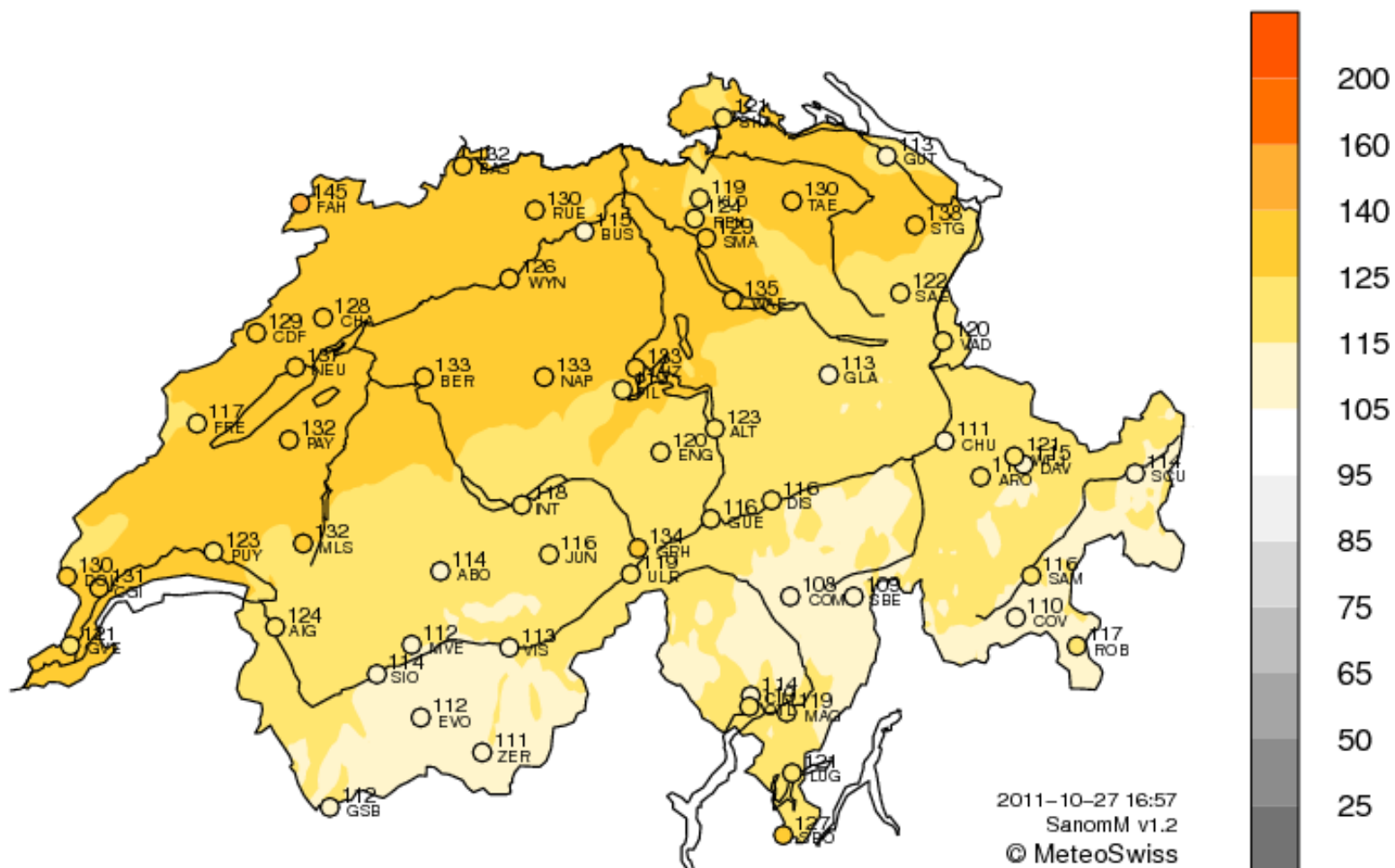


Status: 01.12.2011



Soleggiamento: anomalia settembre 2011

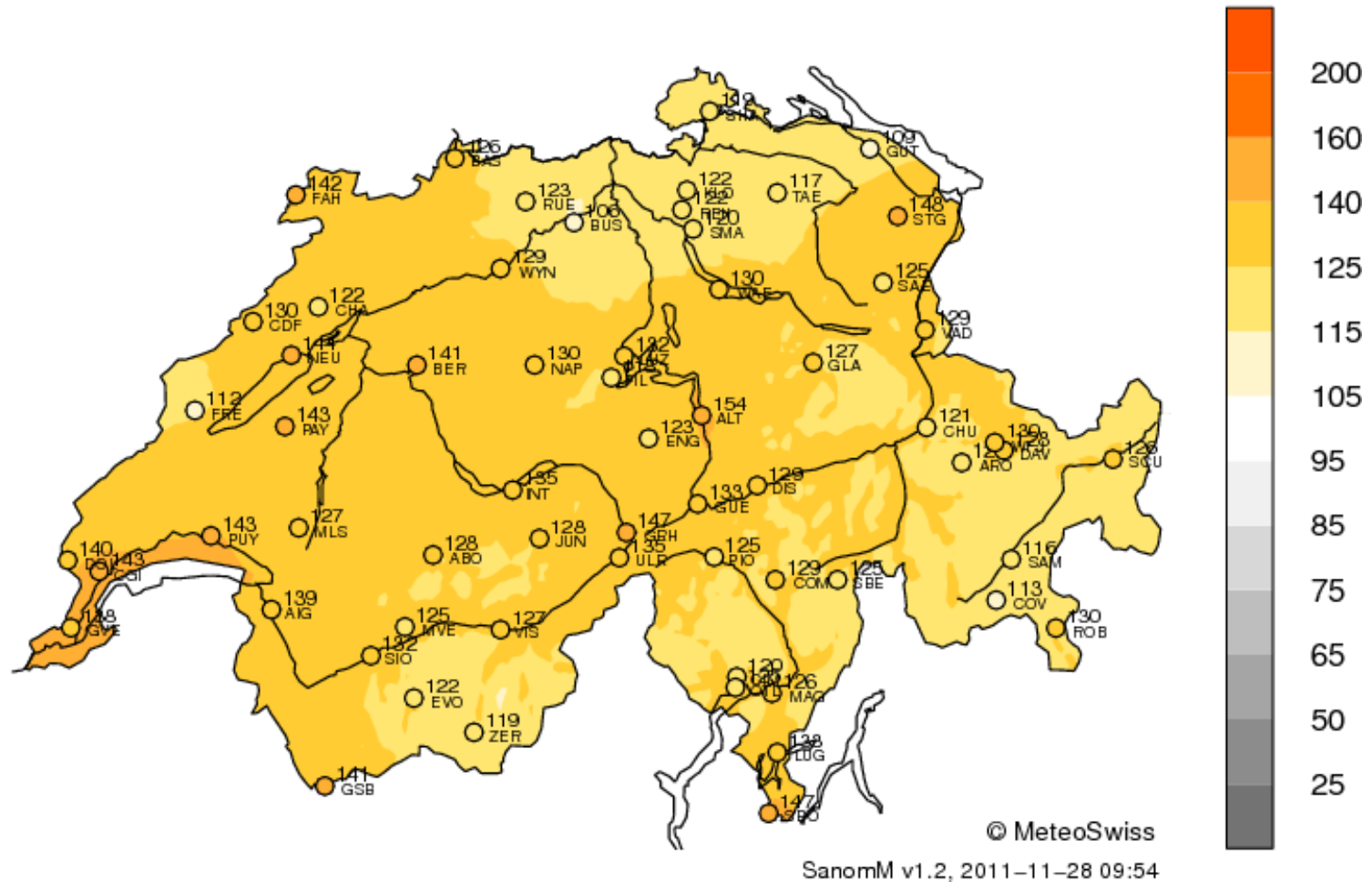
Monthly Sunshine Duration Anomaly (%) Sep 2011 (Ref. 1961–1990)





Soleggiamento: anomalia ottobre 2011

Monthly Sunshine Duration Anomaly (%) Oct 2011 (Ref. 1961–1990)



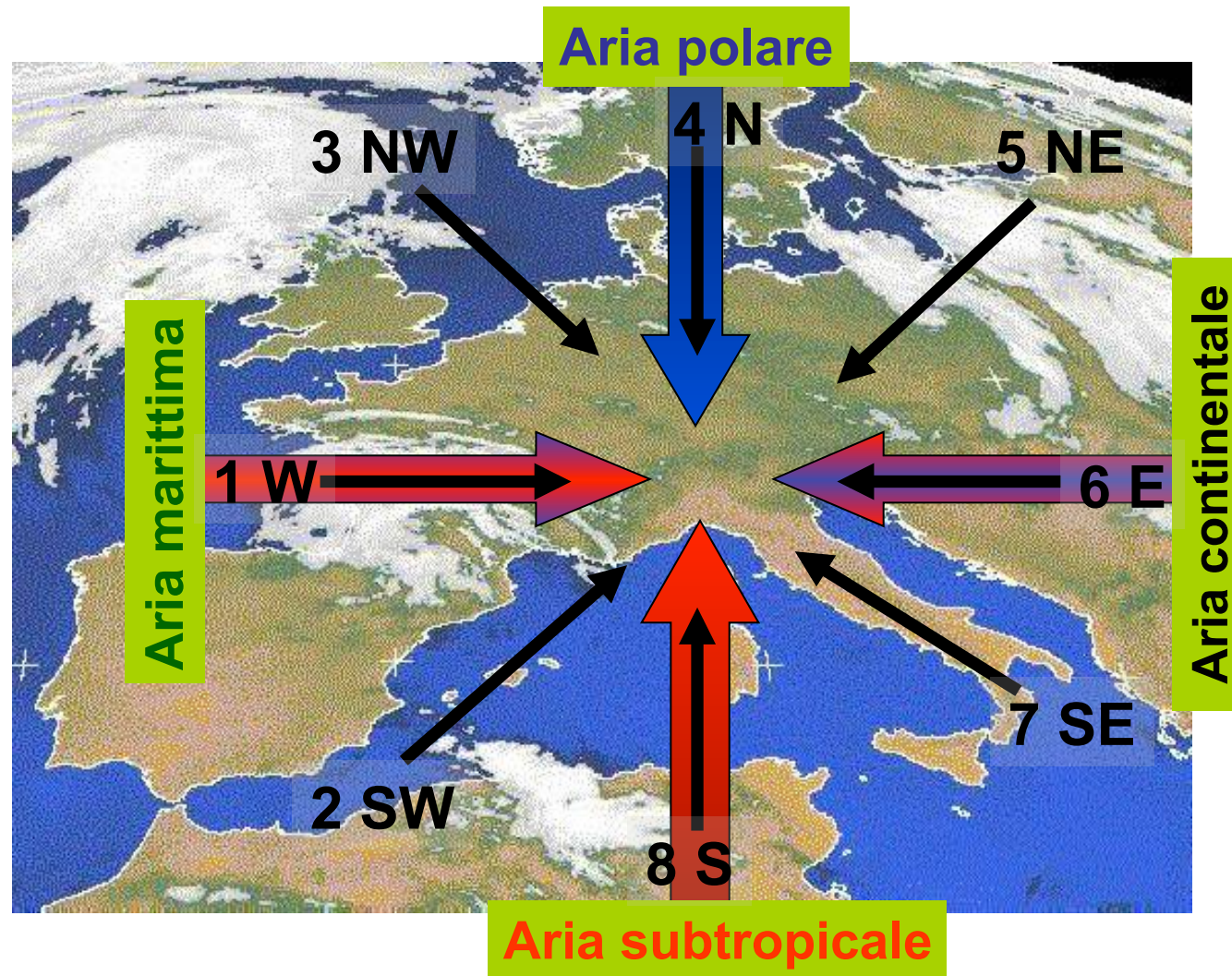


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SanomM v1.2, 2011-12-01 18:12

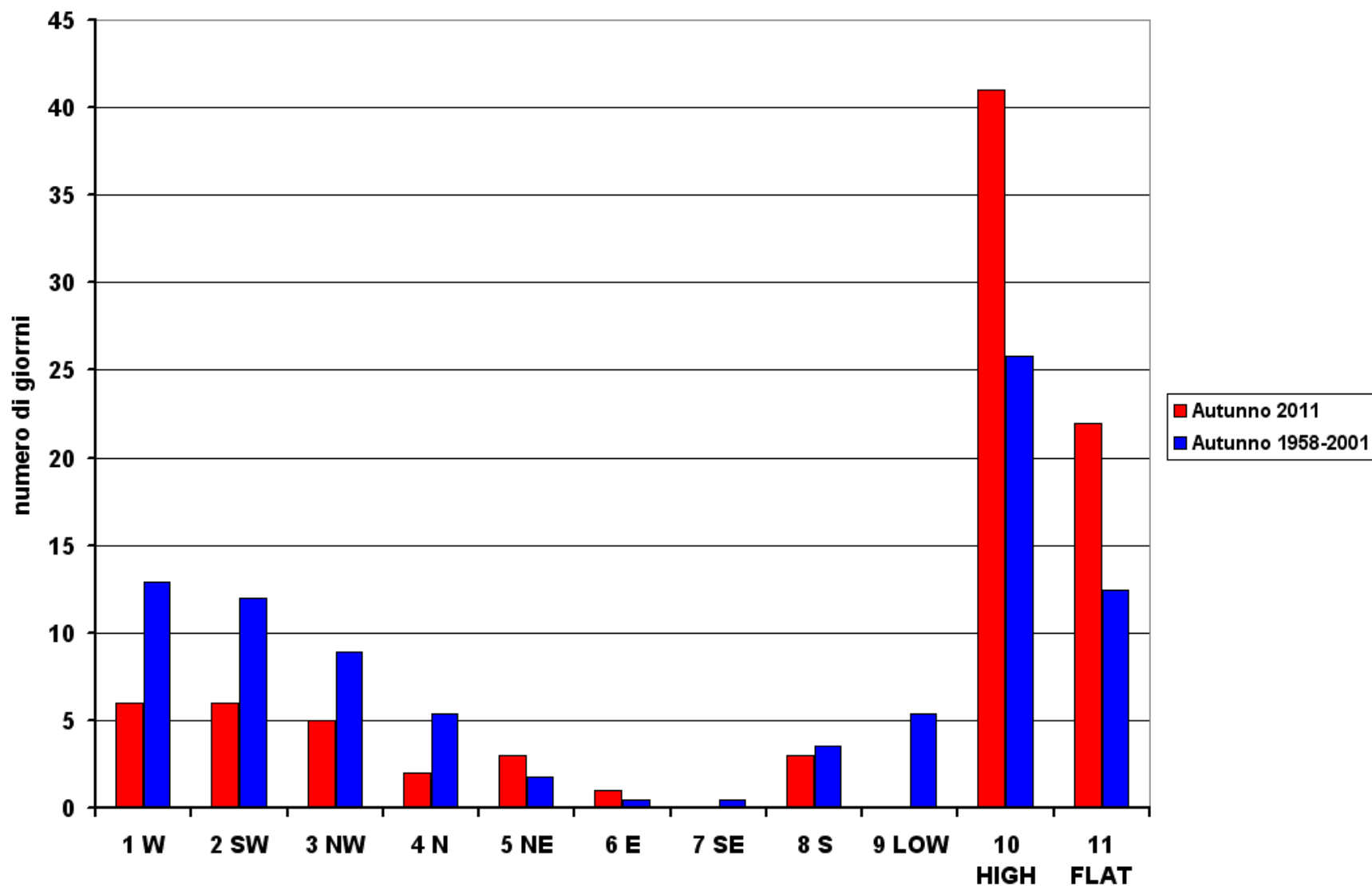


Masse d'aria diverse, tempo diverso, situazioni diverse



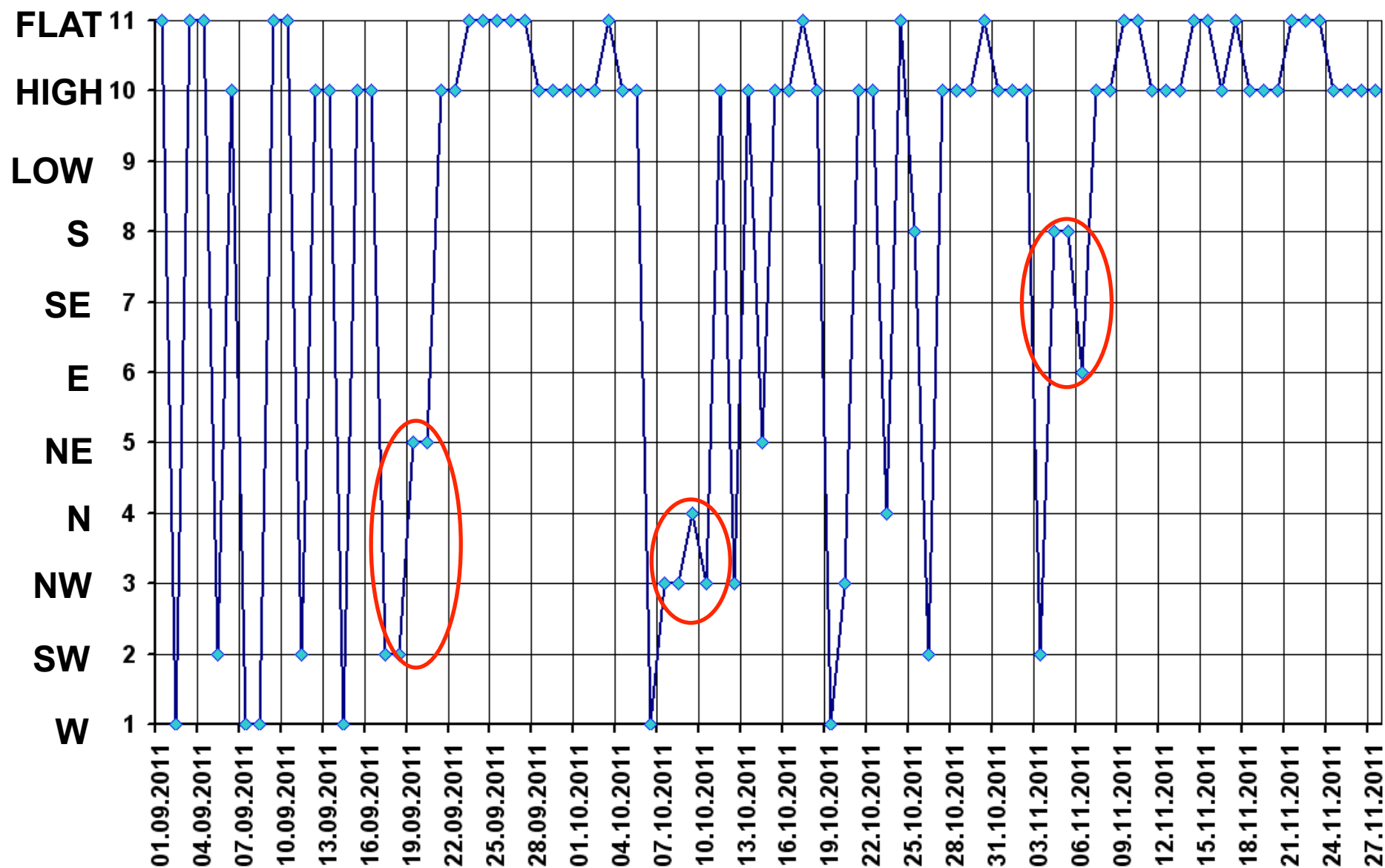


La distribuzione delle situazioni





L'evoluzione delle situazioni



19. September 2011, 08:02, NZZ Online

Früher Wintereinbruch in den Alpen

Mehrere Pässe gesperrt



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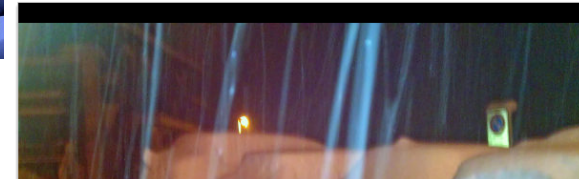
WINTEREINBRUCH IM SEPTEMBER

19. September 2011 09:08; Akt: 19.09.2011 14:34

Schneefälle wie seit 17 Jahren nicht mehr

Die Schneefälle im Bündnerland sind rekordverdächtig: St. Moritz bedecken rund 50 Zentimeter, Arosa 40 und Davos 30. Das letzte derartige Extremereignis liegt 17 Jahre zurück.

Bildstrecke im Grossformat »



Blick.ch » News » Schweiz » «Ganz St. Moritz ist im Einsatz»

News für BLICK? 8989

Rekord-Schnee in Graubünden

«Ganz St. Moritz ist im Einsatz»

ST. MORITZ GR - Die Nacht brachte Schnee in den Kanton Graubünden. 45 Zentimeter Neuschnee wurden in St. Moritz gemessen. Die Gemeinde versucht nun, Strassen und Schienen wieder frei zu schaufeln.

Aktualisiert um 17:29 | 19.09.2011



2 / 18

weiter ►

St. Moritz (Leserreporter)

SÜDOSTSCHWEIZ.CH

Region Schweiz Ausland Sport Wirtschaft Kultur Panorama Dossier Leber

Südostschweiz Graubünden Glarus Gaster / See

GRAUBÜNDEN | VERMISCHTES

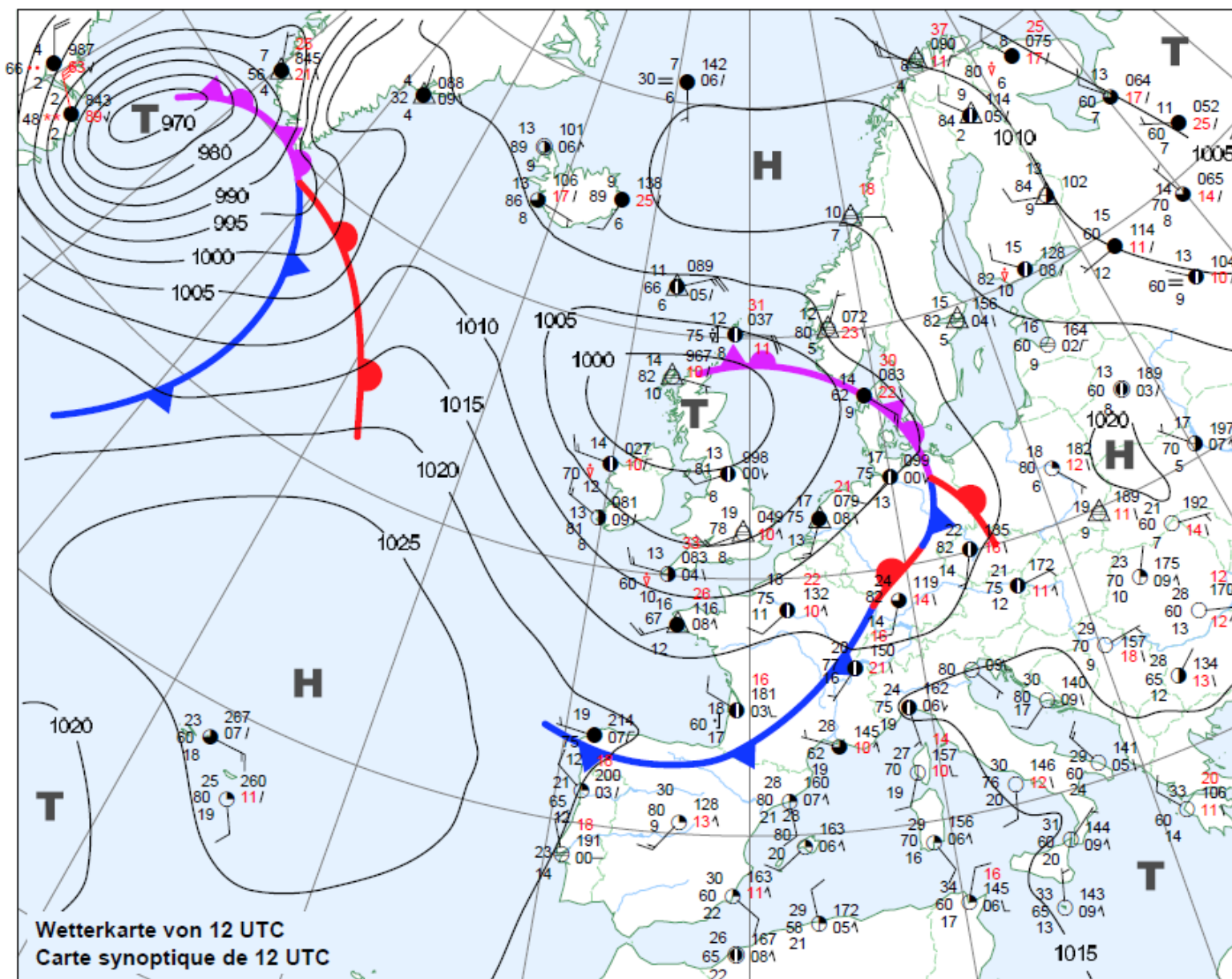
Der Wintereinbruch stoppt Züge und den Individualverkehr

Umgestürzte Bäume haben auf verschiedenen Linien der Rhätischen Bahn zu Unterbrüchen und Betriebsstörungen geführt.



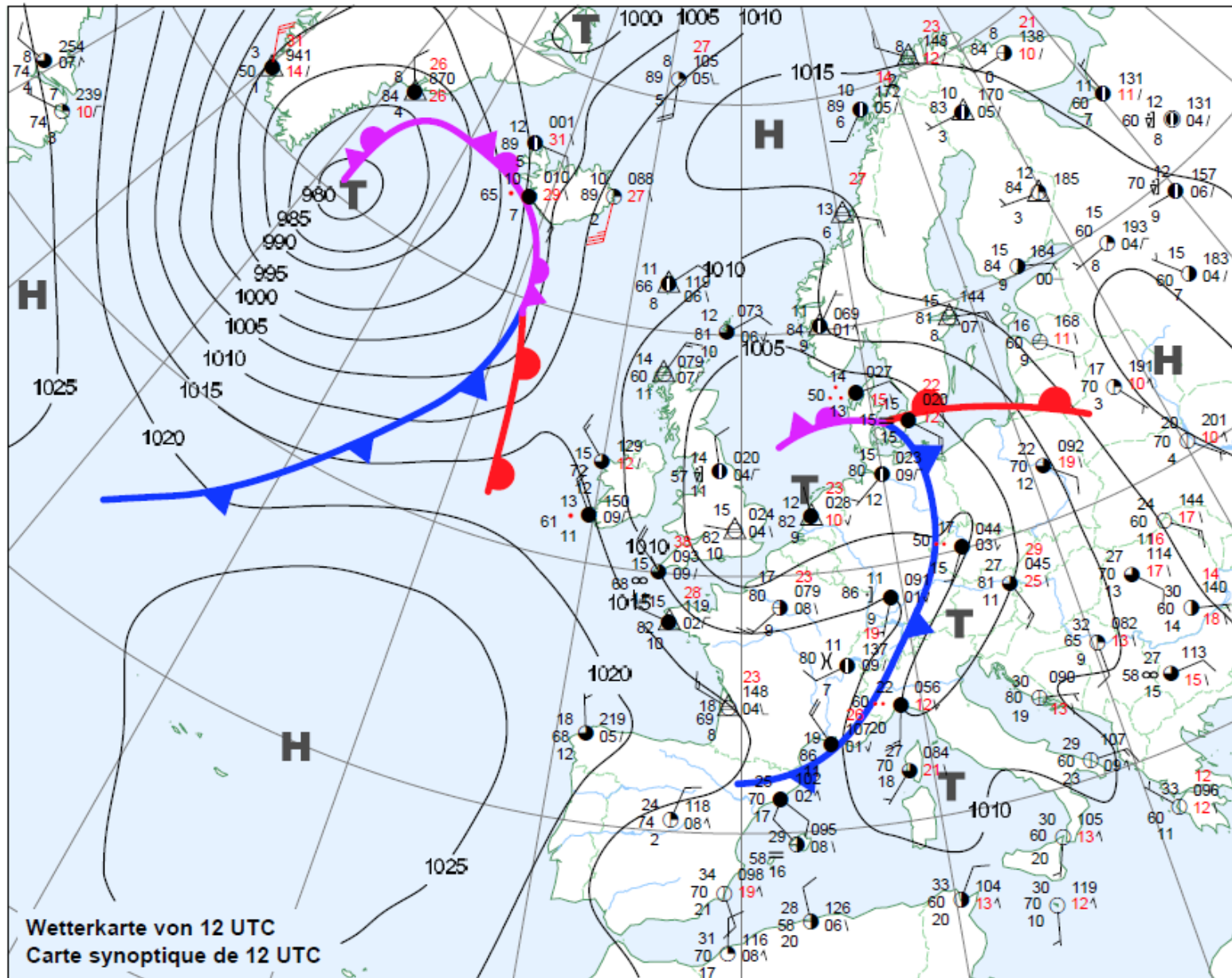


17 settembre 2011: carta al suolo



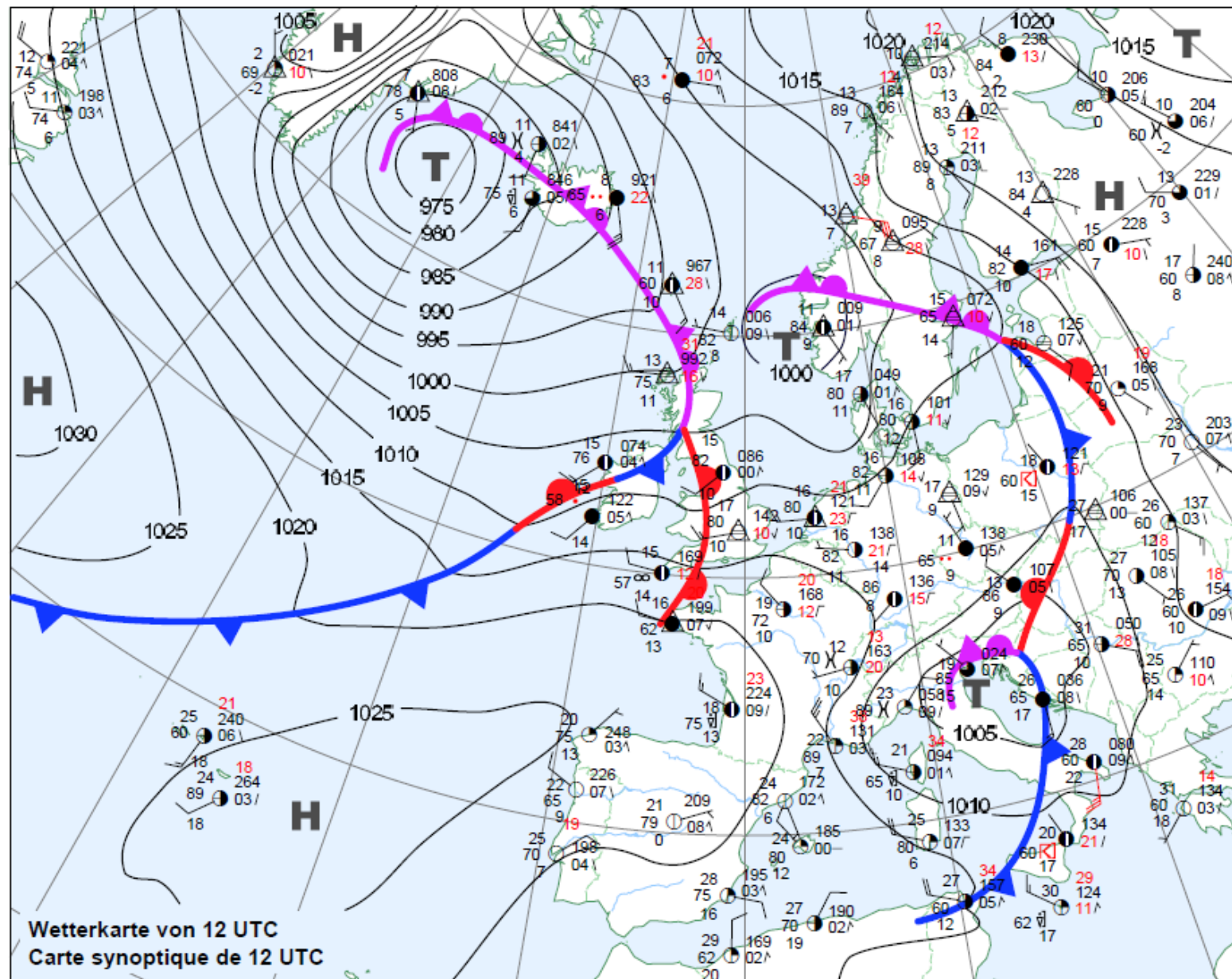


18 settembre 2011: carta al suolo





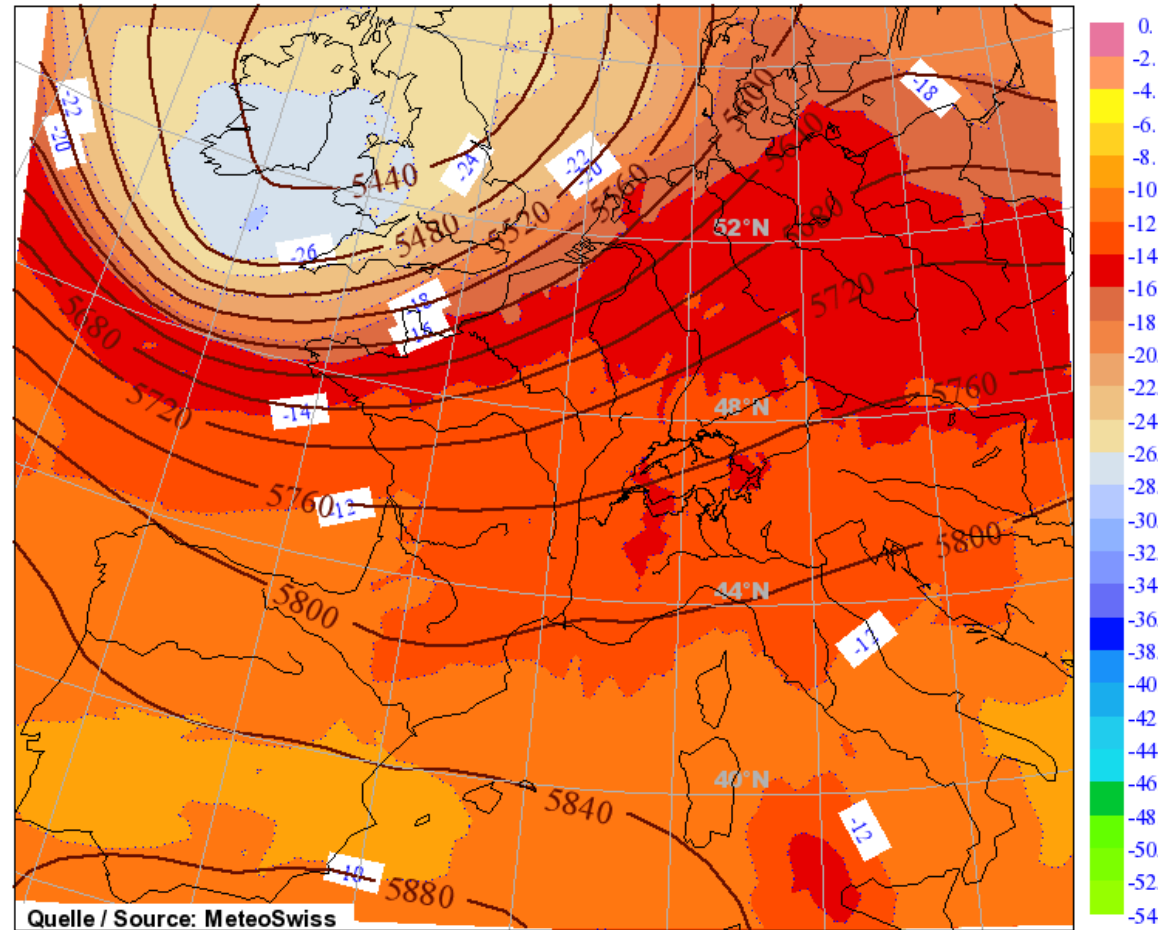
19 settembre 2011





Z@500 hPa 17 12UTC

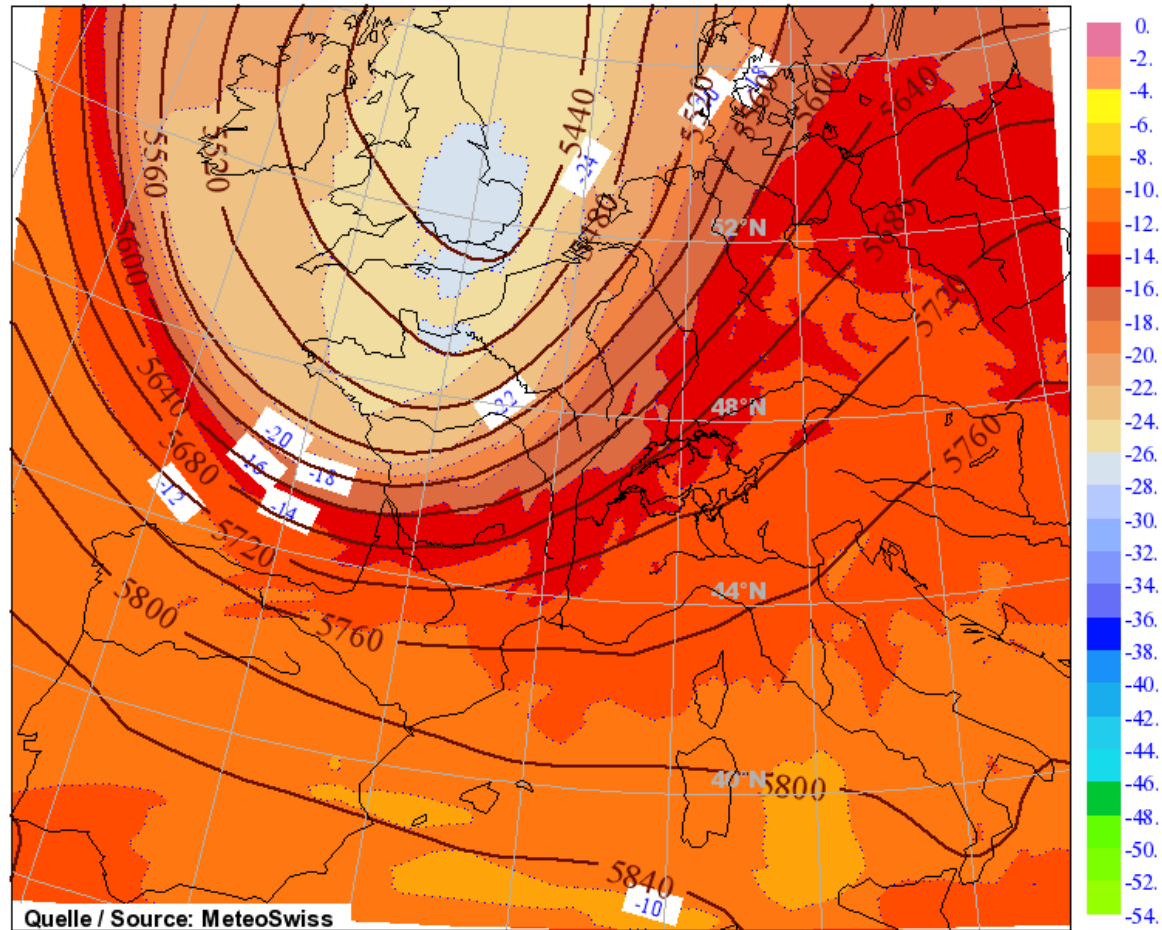
COSMO-7 Analysis for: Sat 17 Sep 2011 12 UTC
500hPa Geopotential Height Units: m
Temperature shaded Units: °C
Version: opr 7km (907)
Run: 17.09.2011 12UTC+0h





Z@500 hPa 18 00UTC

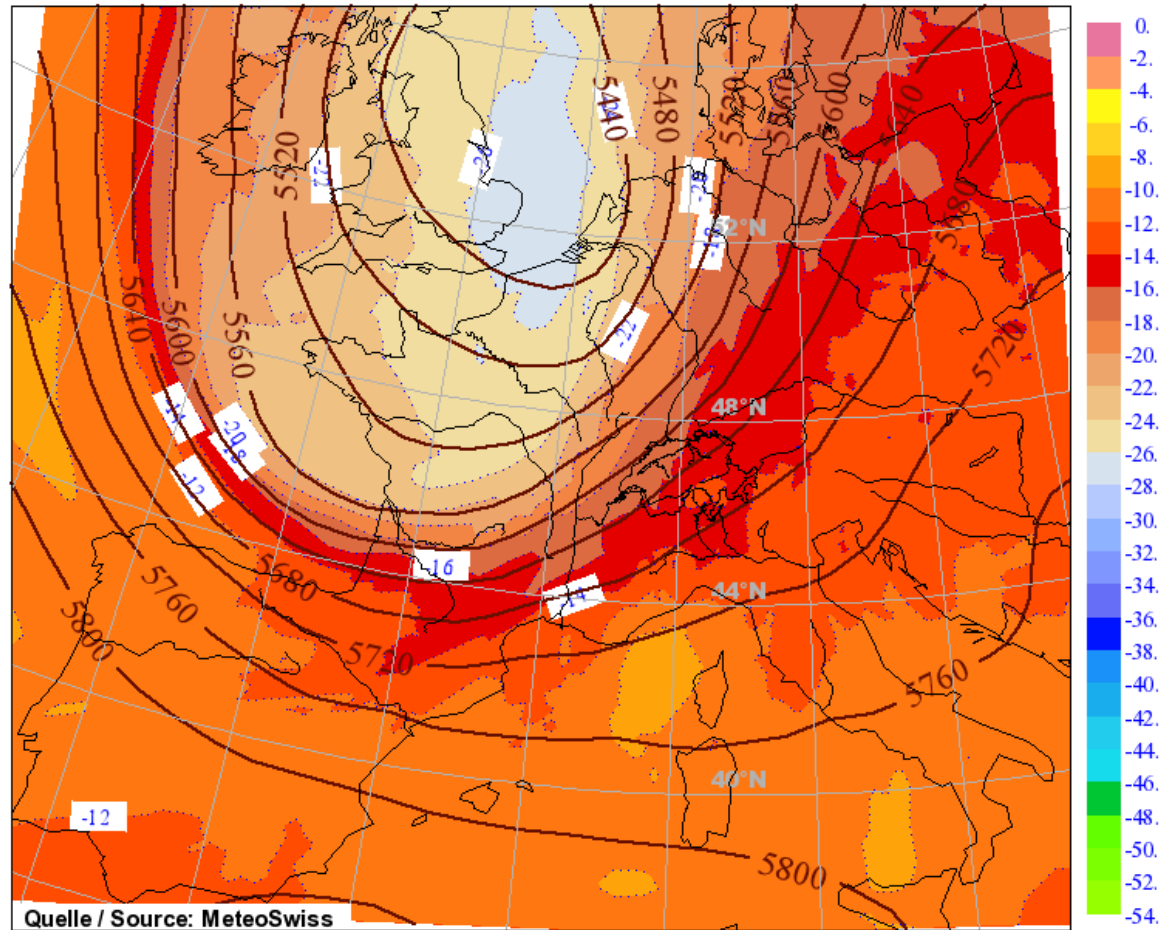
COSMO-7 Analysis for: Sun 18 Sep 2011 00 UTC
500hPa Geopotential Height Units: m
Temperature shaded Units: °C
Version: opr 7km (907)
Run: 18.09.2011 00UTC+0h





Z@500 hPa 18 06UTC

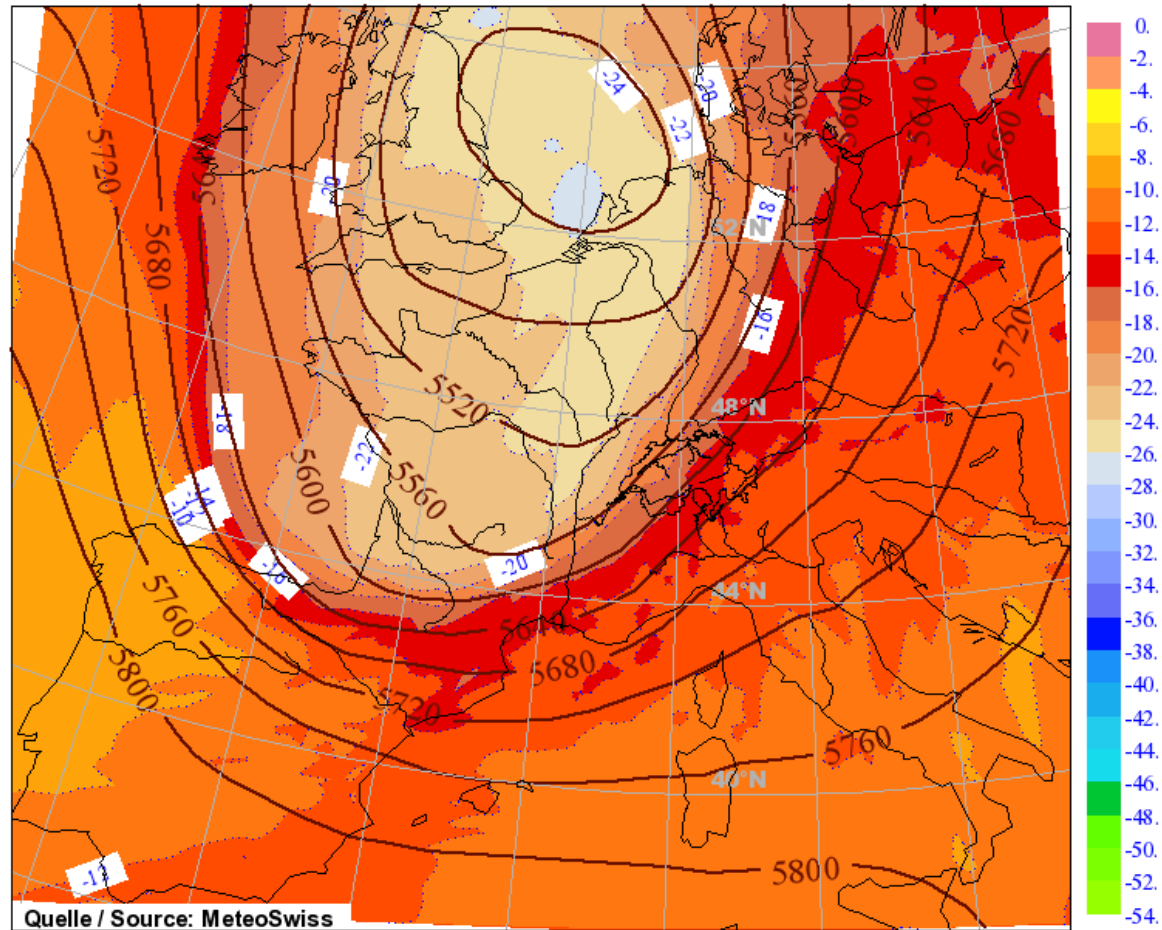
COSMO-7 Analysis for: Sun 18 Sep 2011 06 UTC
500hPa Geopotential Height Units: m
Temperature shaded Units: °C
Version: opr 7km (907)
Run: 18.09.2011 06UTC+0h





Z@500 hPa 18 12UTC

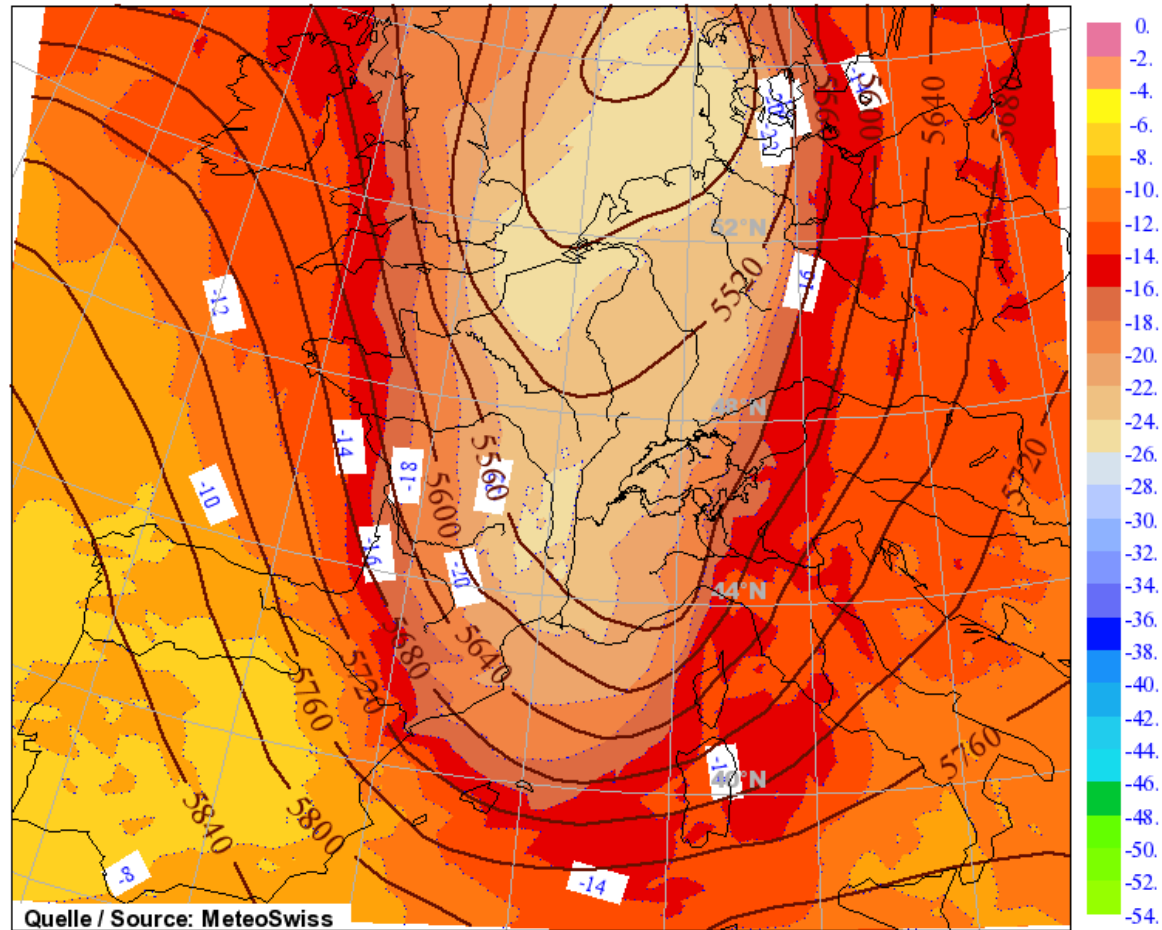
COSMO-7 Analysis for: Sun 18 Sep 2011 12 UTC
500hPa Geopotential Height Units: m
Temperature shaded Units: °C
Version: opr 7km (907)
Run: 18.09.2011 12UTC+0h





Z@500 hPa 19 00UTC

COSMO-7 Analysis for: **Mon 19 Sep 2011 00 UTC**
500hPa Geopotential Height Units: m
Temperature shaded Units: °C
Version: opr 7km (907)
Run: 19.09.2011 00UTC+0h

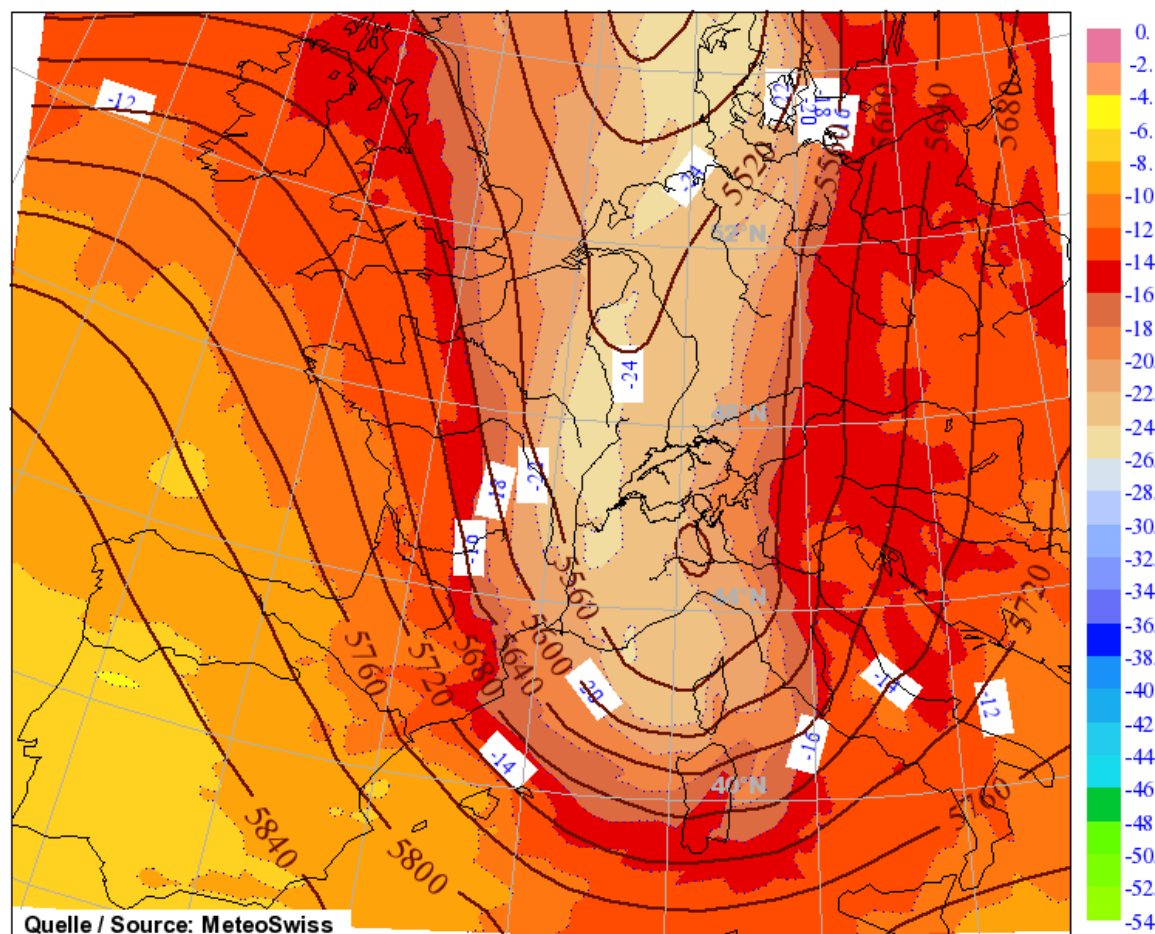




Z@500 hPa 19 06UTC

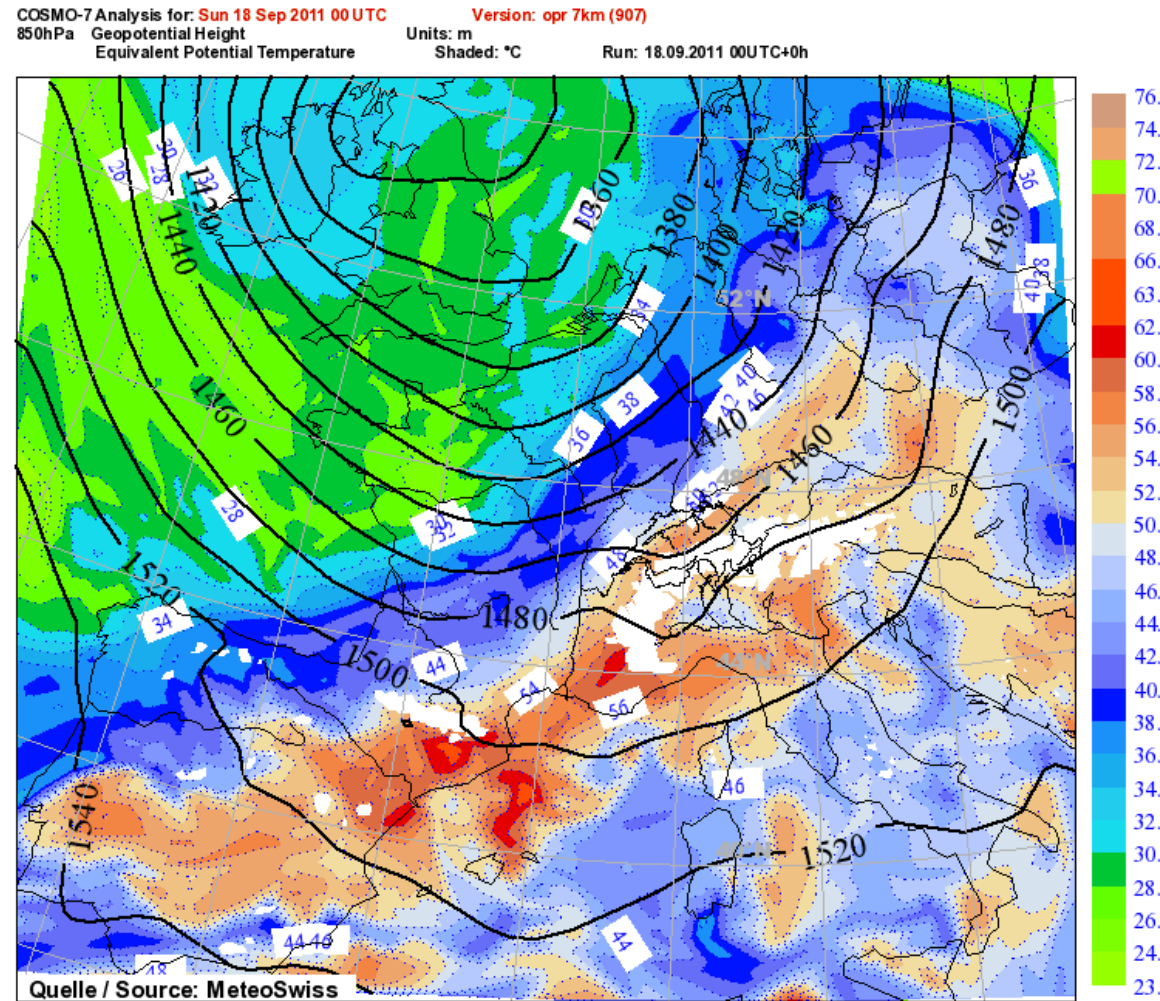
COSMO-7 Analysis for: **Mon 19 Sep 2011 06 UTC**
500hPa Geopotential Height Units: m
Temperature shaded Units: °C

Version: opr 7km (907)
Run: 19.09.2011 06UTC+0h





Temperatura equipotenziale 18 00UTC





Temperatura equipotenziale 18 03UTC

COSMO-2 Analysis for: **Sun 18 Sep 2011 03 UTC**

Version: opr 2km (907)

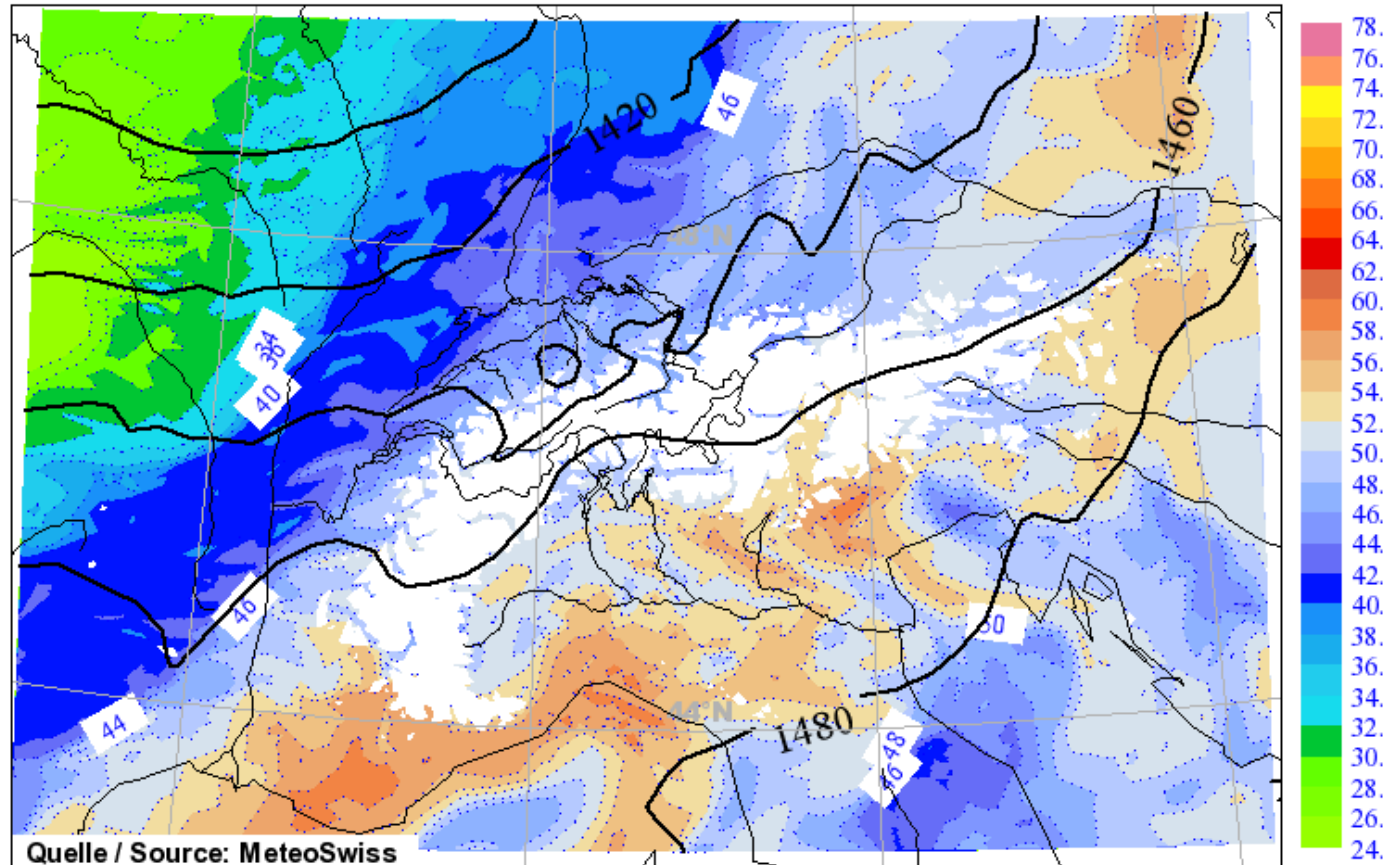
850hPa Geopotential Height

Units: m

Equivalent Potential Temperature

Shaded: °C

Run: 18.09.2011 03UTC+0h





Temperatura equipotenziale 18 06UTC

COSMO-2 Forecast for: **Sun 18 Sep 2011 06 UTC**

Version: opr 2km (907)

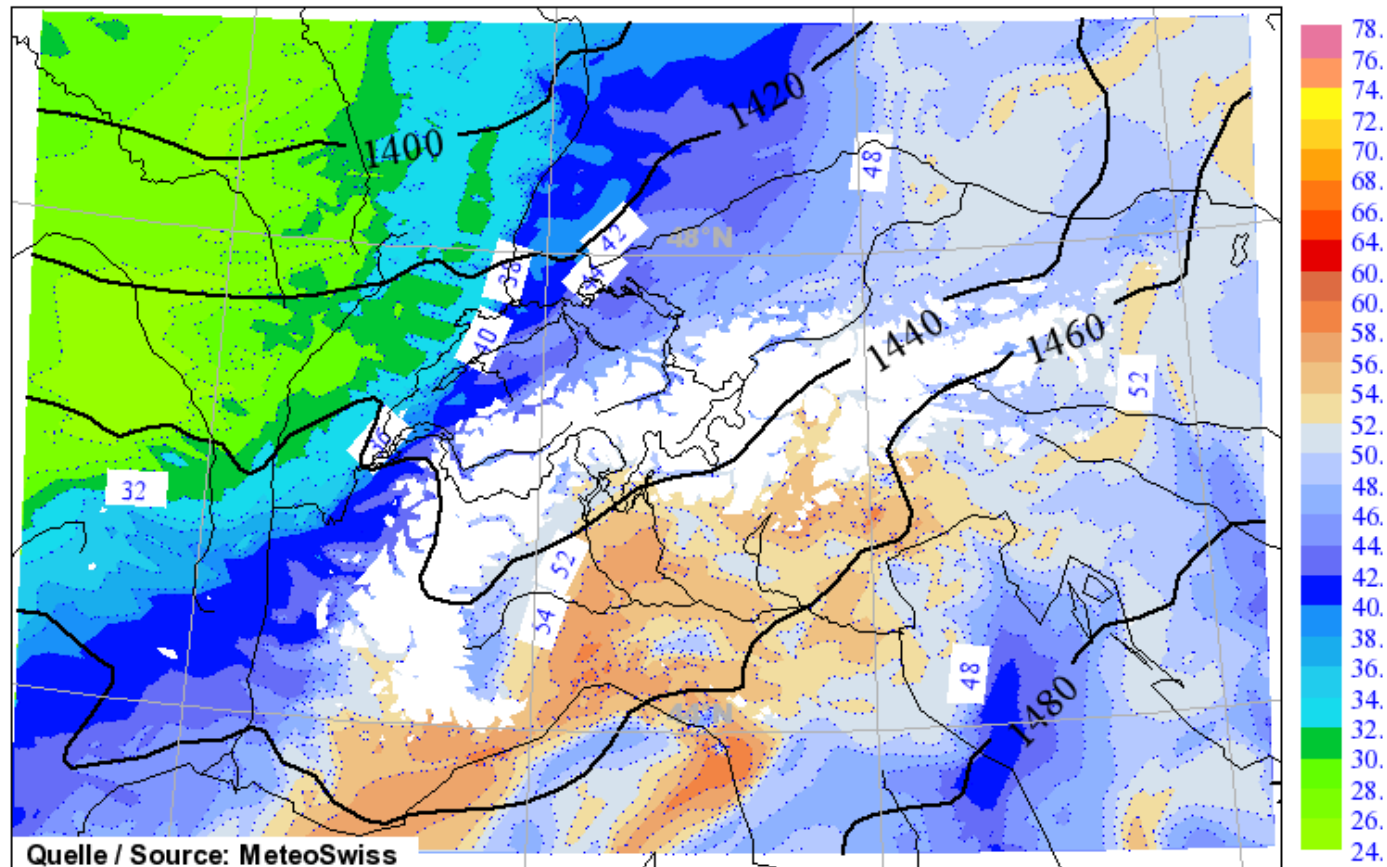
850hPa Geopotential Height

Units: m

Equivalent Potential Temperature

Shaded: °C

Run: 18.09.2011 03UTC+3h





Temperatura equipotenziale 18 09UTC

COSMO-2 Forecast for: **Sun 18 Sep 2011 09 UTC**

Version: opr 2km (907)

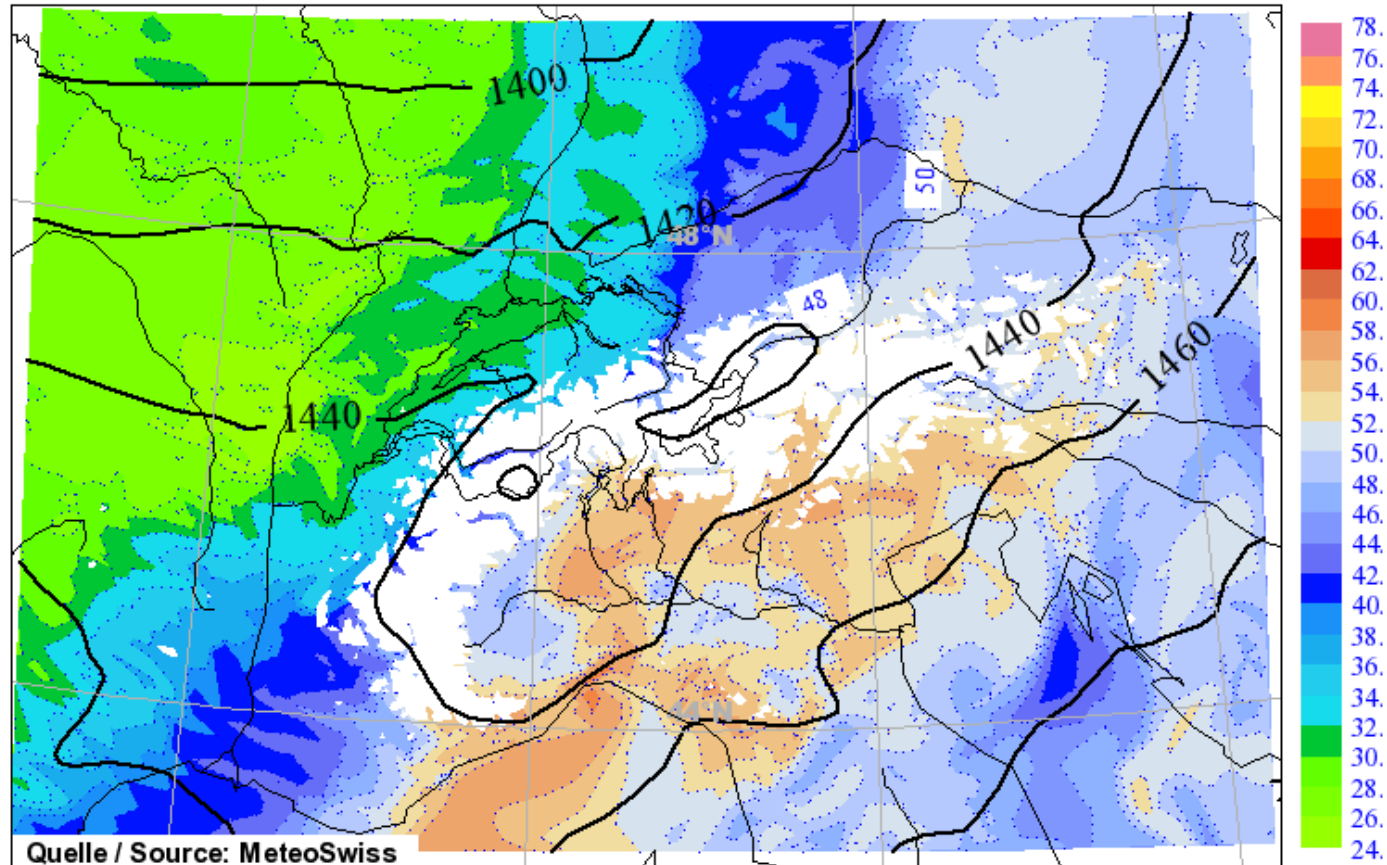
850hPa Geopotential Height

Units: m

Equivalent Potential Temperature

Shaded: °C

Run: 18.09.2011 03UTC+6h





Temperatura equipotenziale 18 12UTC

COSMO-2 Forecast for: **Sun 18 Sep 2011 12 UTC**

Version: opr 2km (907)

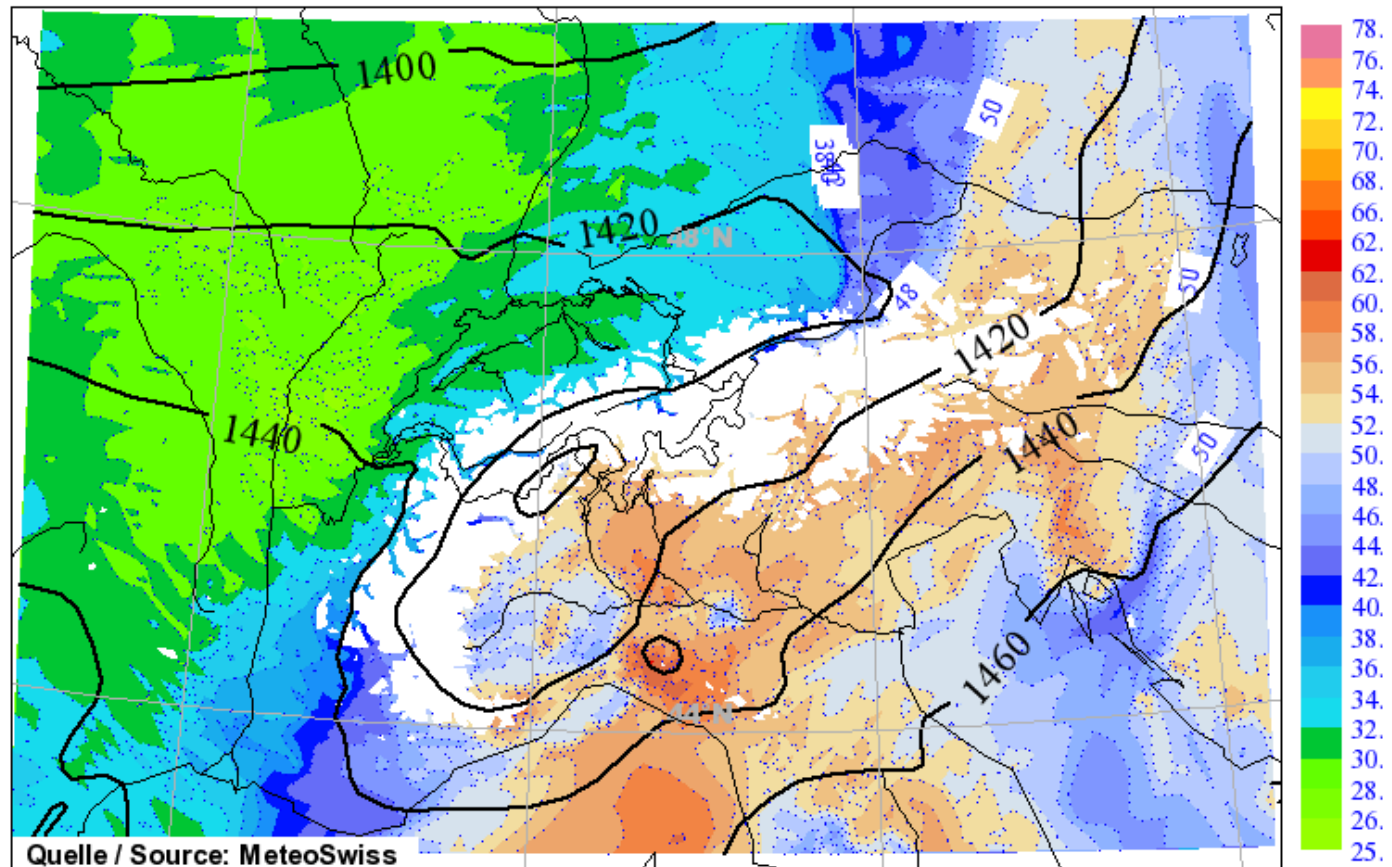
850hPa Geopotential Height

Units: m

Equivalent Potential Temperature

Shaded: °C

Run: 18.09.2011 03UTC+9h





Temperatura equipotenziale 18 15UTC

COSMO-2 Forecast for: **Sun 18 Sep 2011 15 UTC**

Version: opr 2km (907)

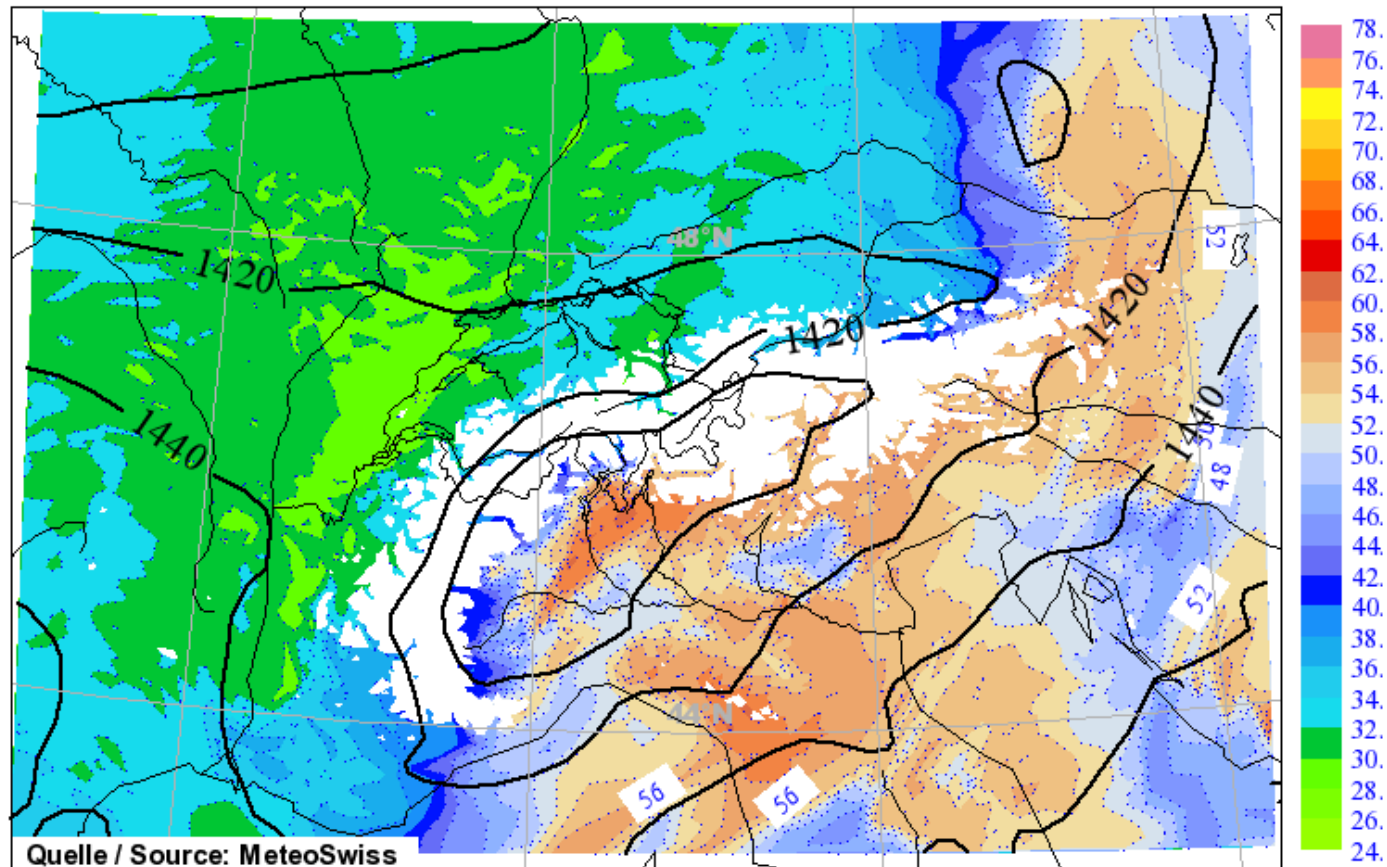
850hPa Geopotential Height

Units: m

Equivalent Potential Temperature

Shaded: °C

Run: 18.09.2011 03UTC+12h





Temperatura equipotenziale 18 18UTC

COSMO-2 Forecast for: **Sun 18 Sep 2011 18 UTC**

Version: opr 2km (907)

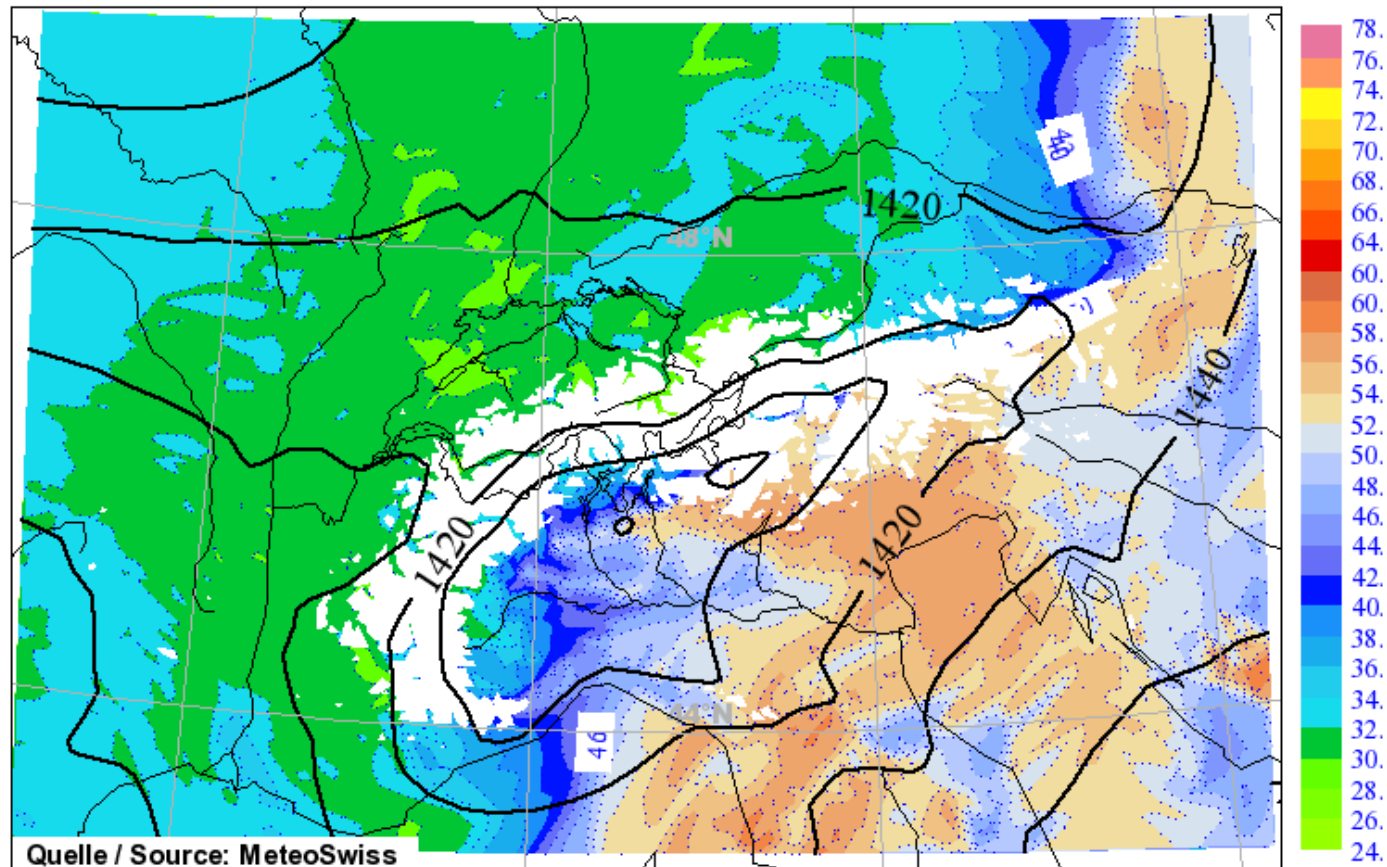
850hPa Geopotential Height

Units: m

Equivalent Potential Temperature

Shaded: °C

Run: 18.09.2011 03UTC+15h





Temperatura equipotenziale 18 21UTC

COSMO-2 Forecast for: **Sun 18 Sep 2011 21 UTC**

Version: opr 2km (907)

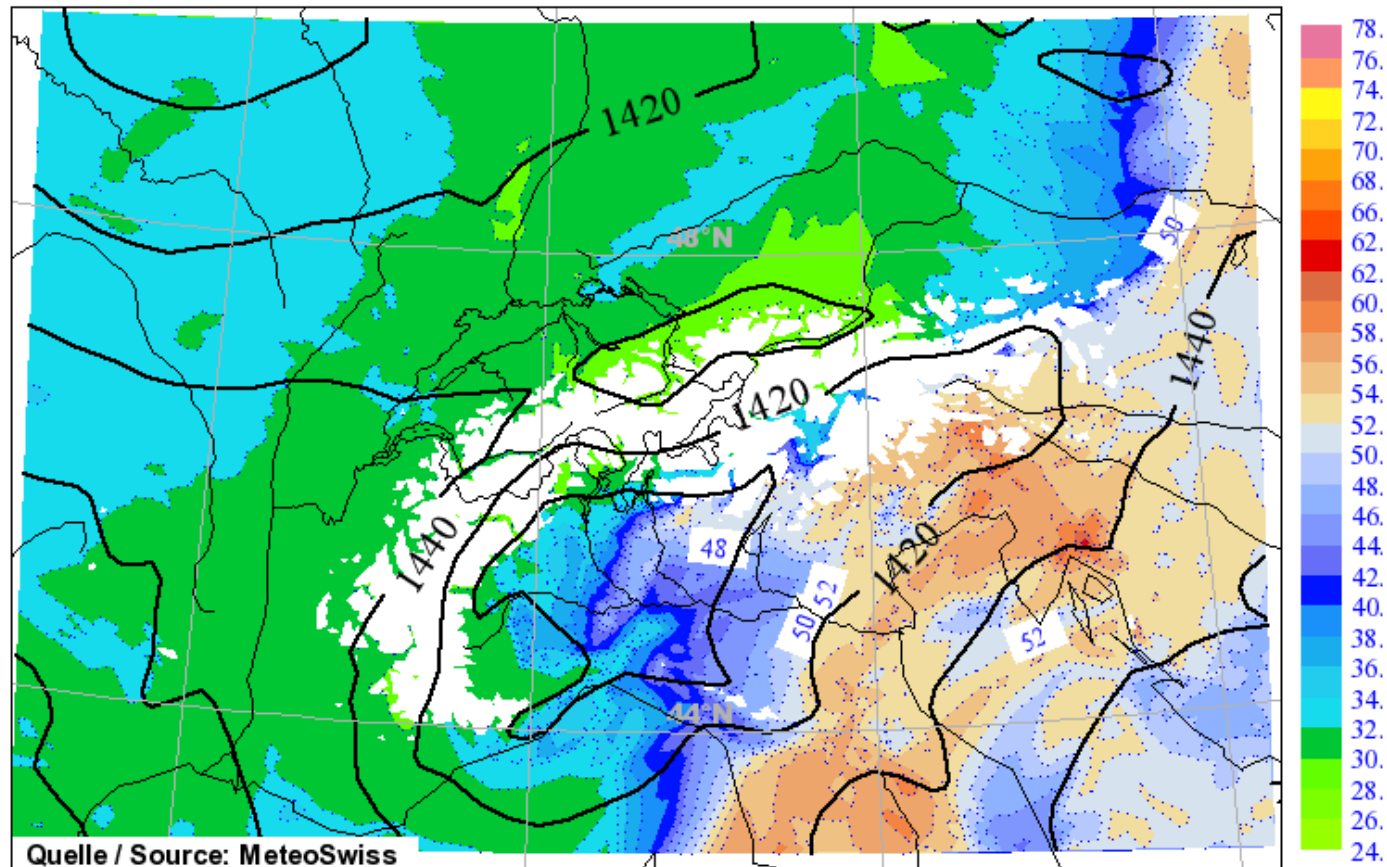
850hPa Geopotential Height

Units: m

Equivalent Potential Temperature

Shaded: °C

Run: 18.09.2011 03UTC+18h





Temperatura equipotenziale 19 00UTC

COSMO-2 Forecast for: **Mon 19 Sep 2011 00 UTC**

Version: opr 2km (907)

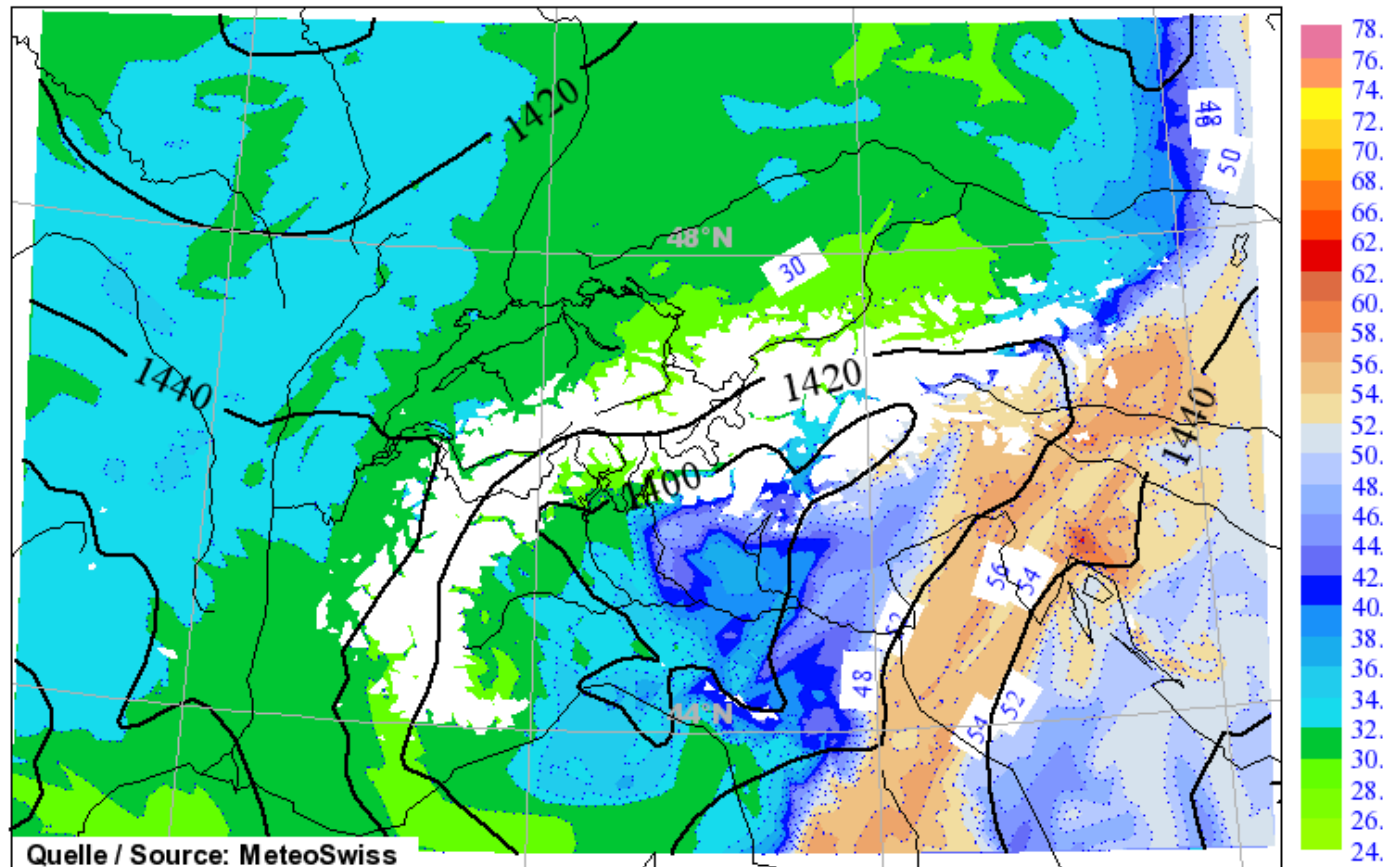
850hPa Geopotential Height

Units: m

Equivalent Potential Temperature

Shaded: °C

Run: 18.09.2011 03UTC+21h





Temperatura equipotenziale 19 03UTC

COSMO-2 Forecast for: **Mon 19 Sep 2011 03 UTC**

Version: opr 2km (907)

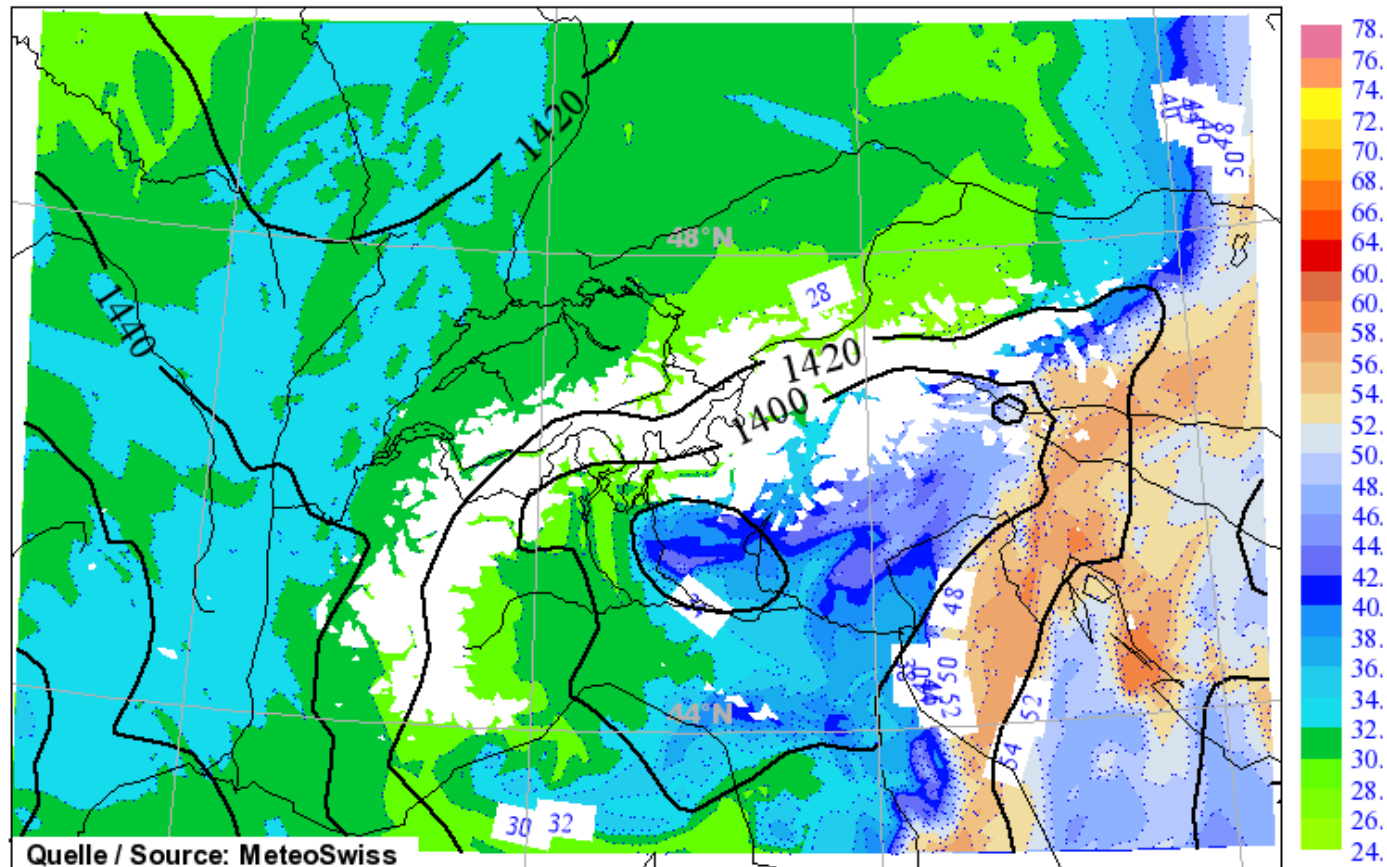
850hPa Geopotential Height

Units: m

Equivalent Potential Temperature

Shaded: °C

Run: 18.09.2011 03UTC+24h





Temperatura equipotenziale 19 06UTC

COSMO-2 Forecast for: **Mon 19 Sep 2011 06 UTC**

Version: opr 2km (907)

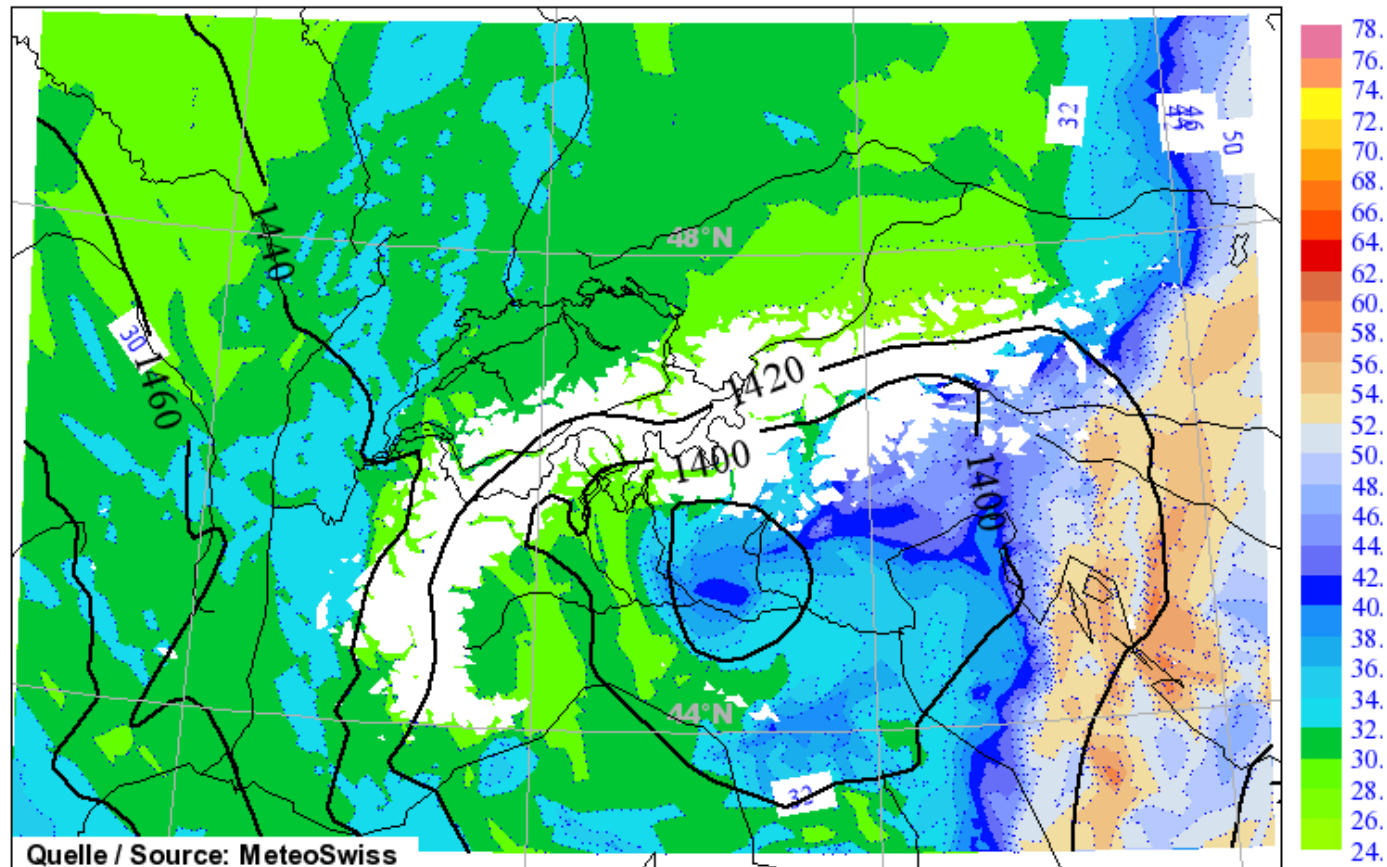
850hPa Geopotential Height

Units: m

Equivalent Potential Temperature

Shaded: °C

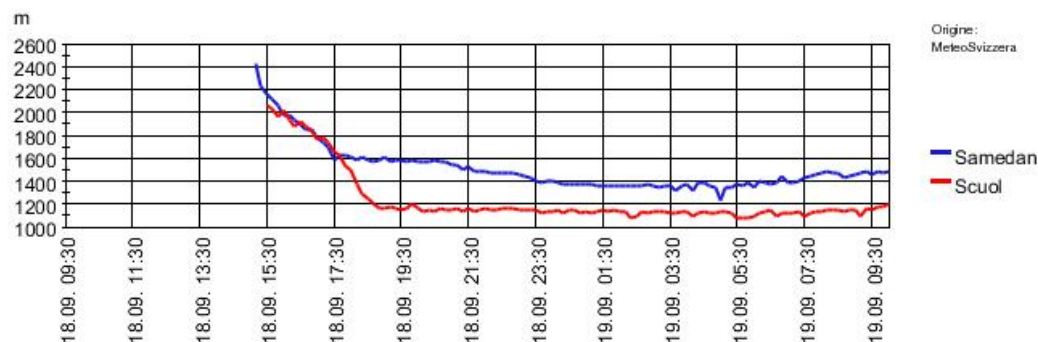
Run: 18.09.2011 03UTC+27h



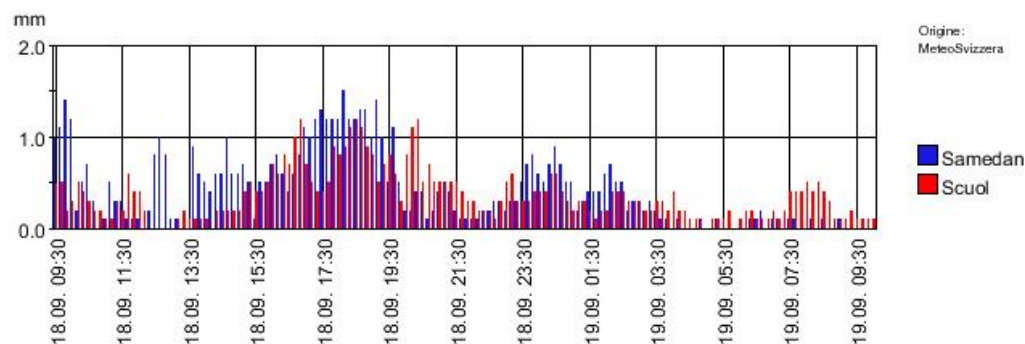


Limite delle nevicate e precipitazioni

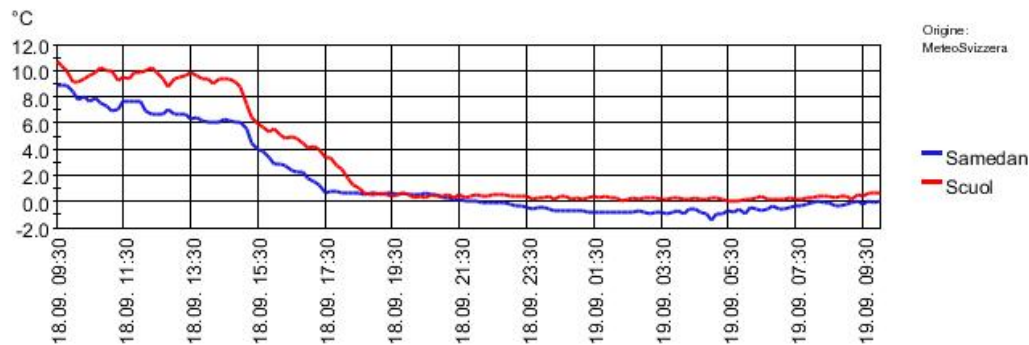
Limite della neve; computato [m] 18.09.2011 09:30 UTC - 19.09.2011 10:00 UTC



Precipitazioni; somma su dieci minuti [mm] 18.09.2011 09:30 UTC - 19.09.2011 10:00 UTC

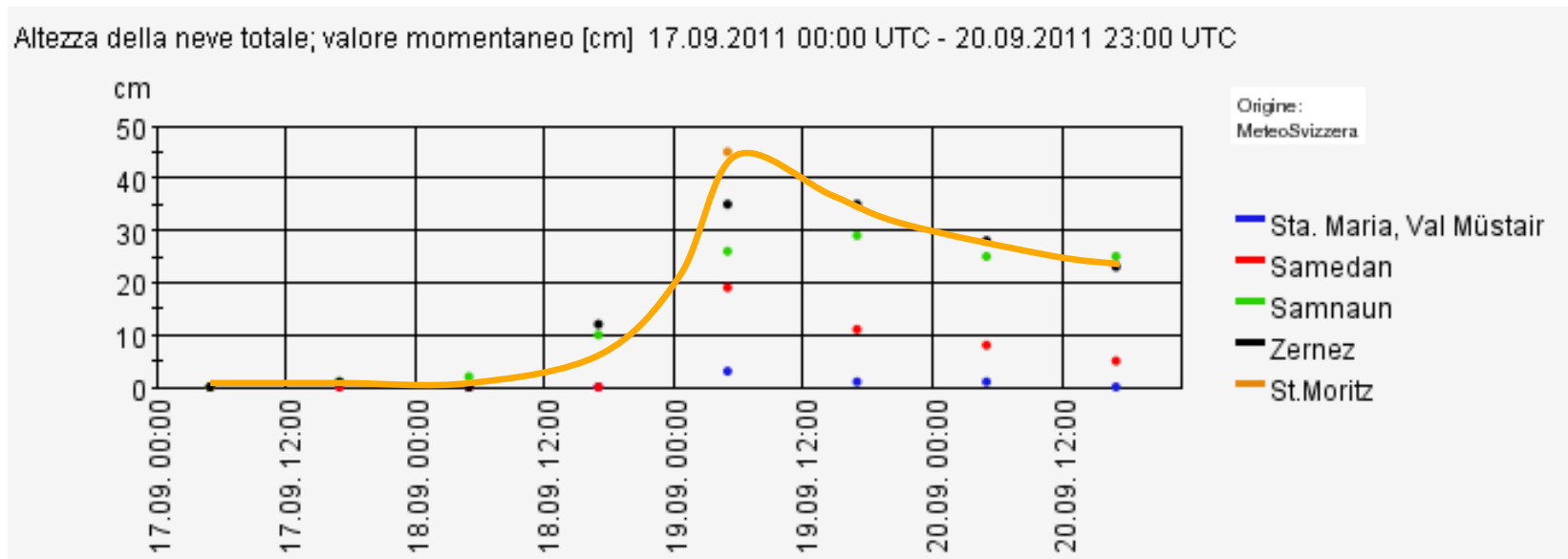


Temperatura del wet-bulb (temperatura psicrometro) a 2 m; valore momentaneo [°C] 18.09.2011 09:30 UTC - 19.09.2011 10:00 UT





18-19.09: altezza della neve osservata





18-19.09: accumuli di neve osservati

| Ort | Sils-Maria | Arosa | Sta. Maria | Davos |
|-----------|-------------------------------------|--------------------|------------------------------------|--------------------|
| Höhe | 1798 m | 1840 m | 1390 m | 1594 m |
| Messreihe | seit 1864 | seit 1890 | seit 1931 | seit 1931 |
| Rang 1 | 40 cm 30.9.1973 | 44 cm 21.9.1979 | 4 cm 30.9.1957 | 34 cm 21.9.1979 |
| Rang 2 | 35 cm 18.9.2011 und 21.9.1979 | 42 cm 11.9.1899 | 3 cm 18.9.2011 und 30.9.1973 | 30 cm 26.9.1974 |
| Rang 3 | | 40 cm 19.9.1897 | | 29 cm 13.9.1996 |
| Rang 4 | 28 cm 19.9.1916 | 39 cm 18.9.2011 | 2 cm 10.9.1976 und 28.9.1952 | 27 cm 18.9.2011 |

| Ort | Höhe | Neuschneehöhen im Vergleich | | |
|---------------|--------|-----------------------------|-----------|----------|
| Ort | Höhe | 18.9.2011 | 21.9.1979 | 5.9.1984 |
| St. Moritz | 1890 m | 45 cm | ---- | ---- |
| Weissfluhjoch | 2540 m | 41 cm | 42 cm | 39 cm |
| Innervilas | 1820 m | 40 cm | ---- | ---- |
| Arosa | 1818 m | 39 cm | 44 cm | 36 cm |
| Sils-Maria | 1798 m | 35 cm | 35 cm | 7 cm |
| Buffalora | 1970 m | 34 cm | 25 cm | 9 cm |
| Motta Naluns | 2150 m | 32 cm | ---- | ---- |
| Samedan | 1750 m | 29 cm | ---- | ---- |
| Davos | 1560 m | 27 cm | 34 cm | 25 cm |
| Splügen | 1457 m | 19 cm | ---- | ---- |
| Innerferrera | 1460 m | 18 cm | ---- | ---- |
| Sedrun | 1420 m | 5 cm | 5 cm | 24 cm |
| Sta. Maria | 1390 m | 3 cm | 0 cm | 0 cm |
| Chur | 556 m | 0 cm | 6 cm | 4 cm |



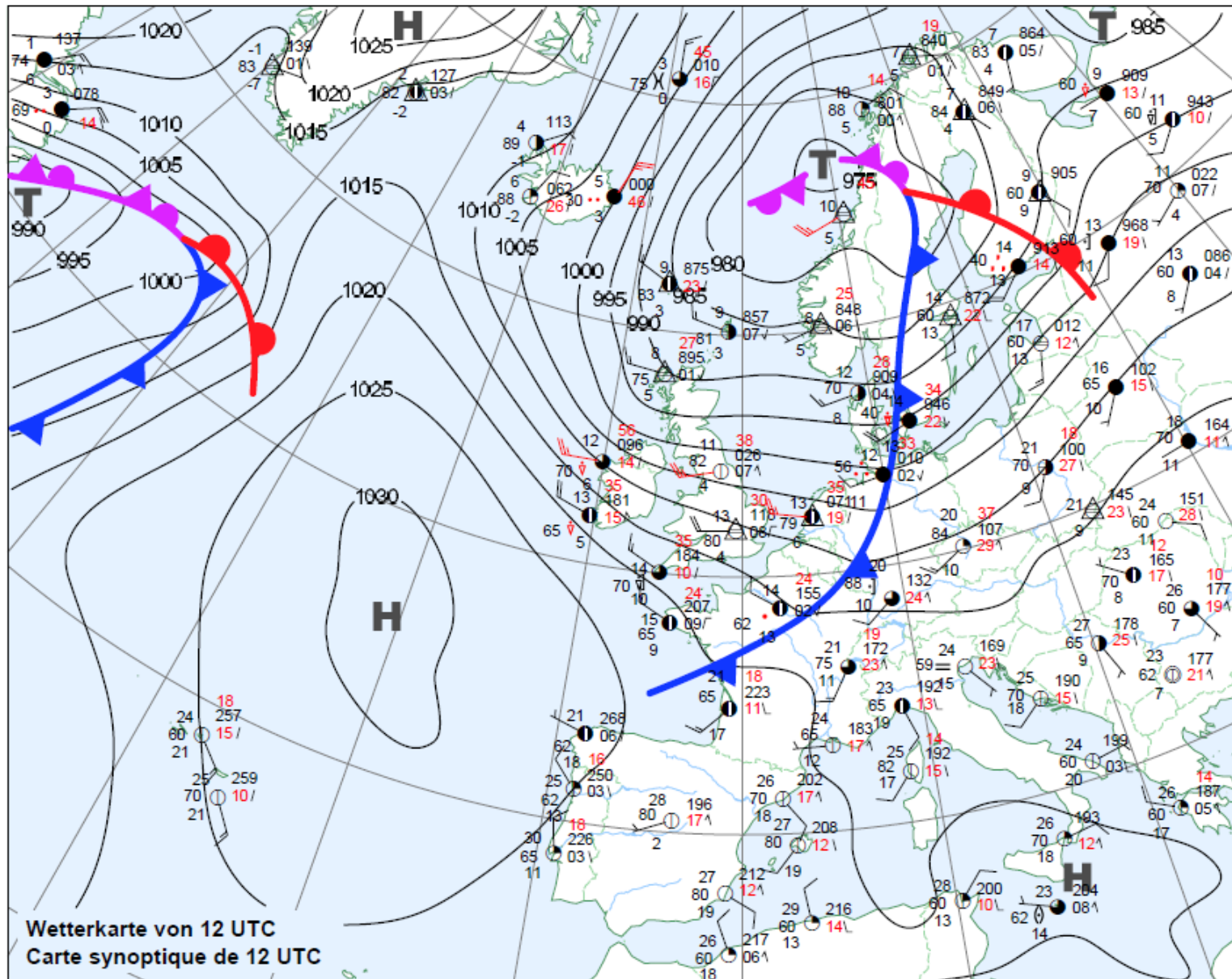
7-10.10.2011 forte situazione da nord: estate-inverno-estate



Foto: Luca Silvanti

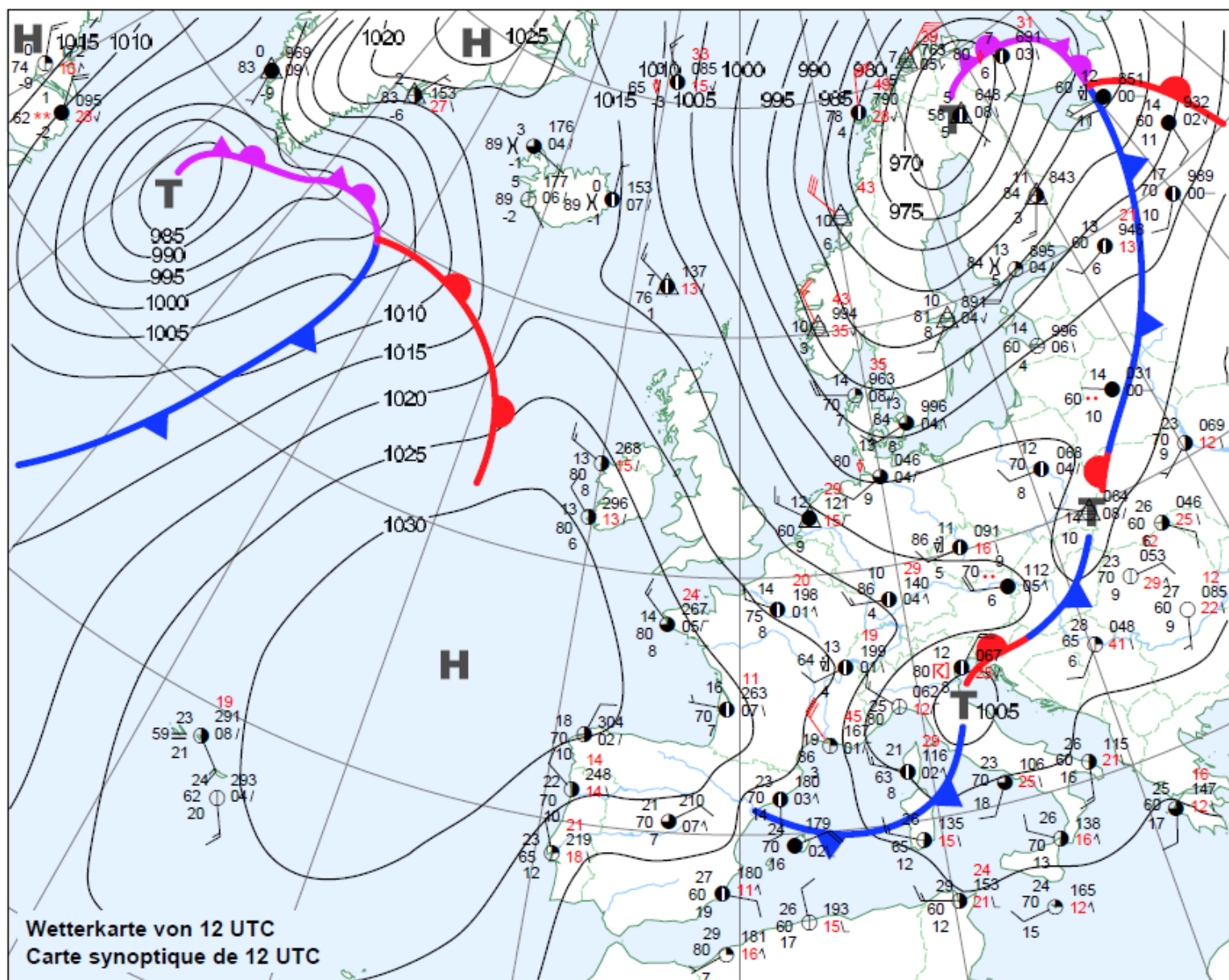


6 ottobre 2011: carta al suolo



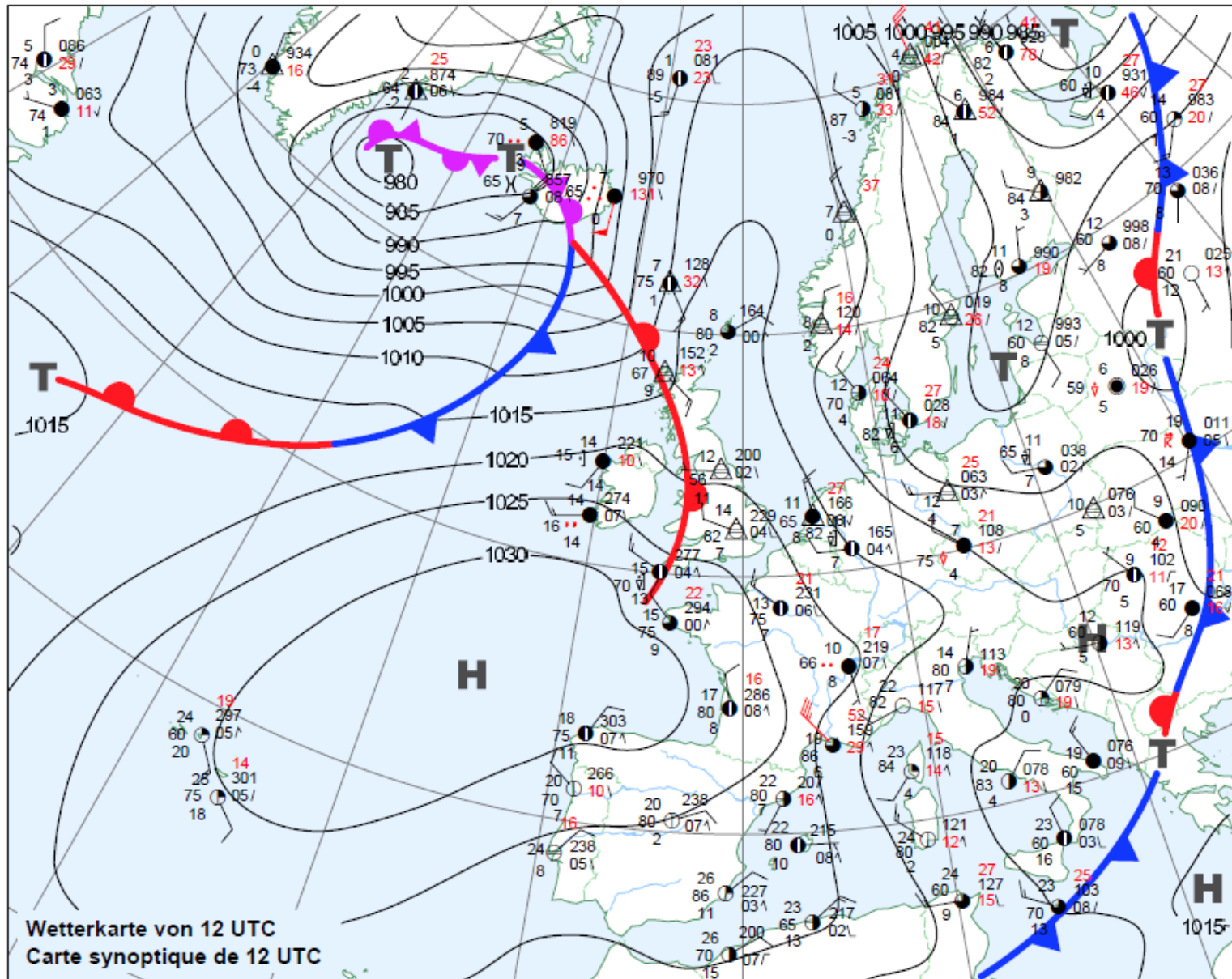


7 ottobre 2011: carta al suolo



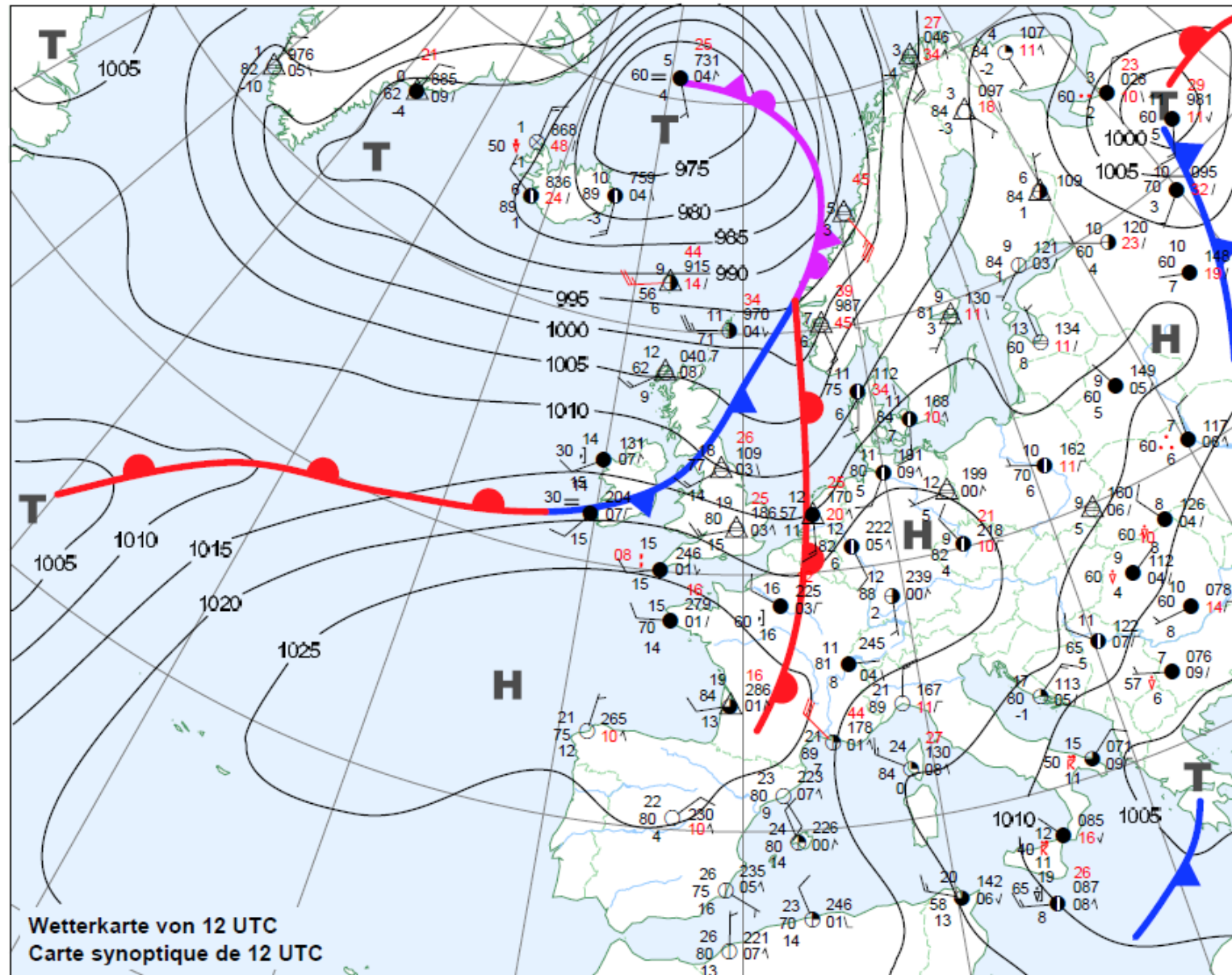


8 ottobre 2011: carta al suolo



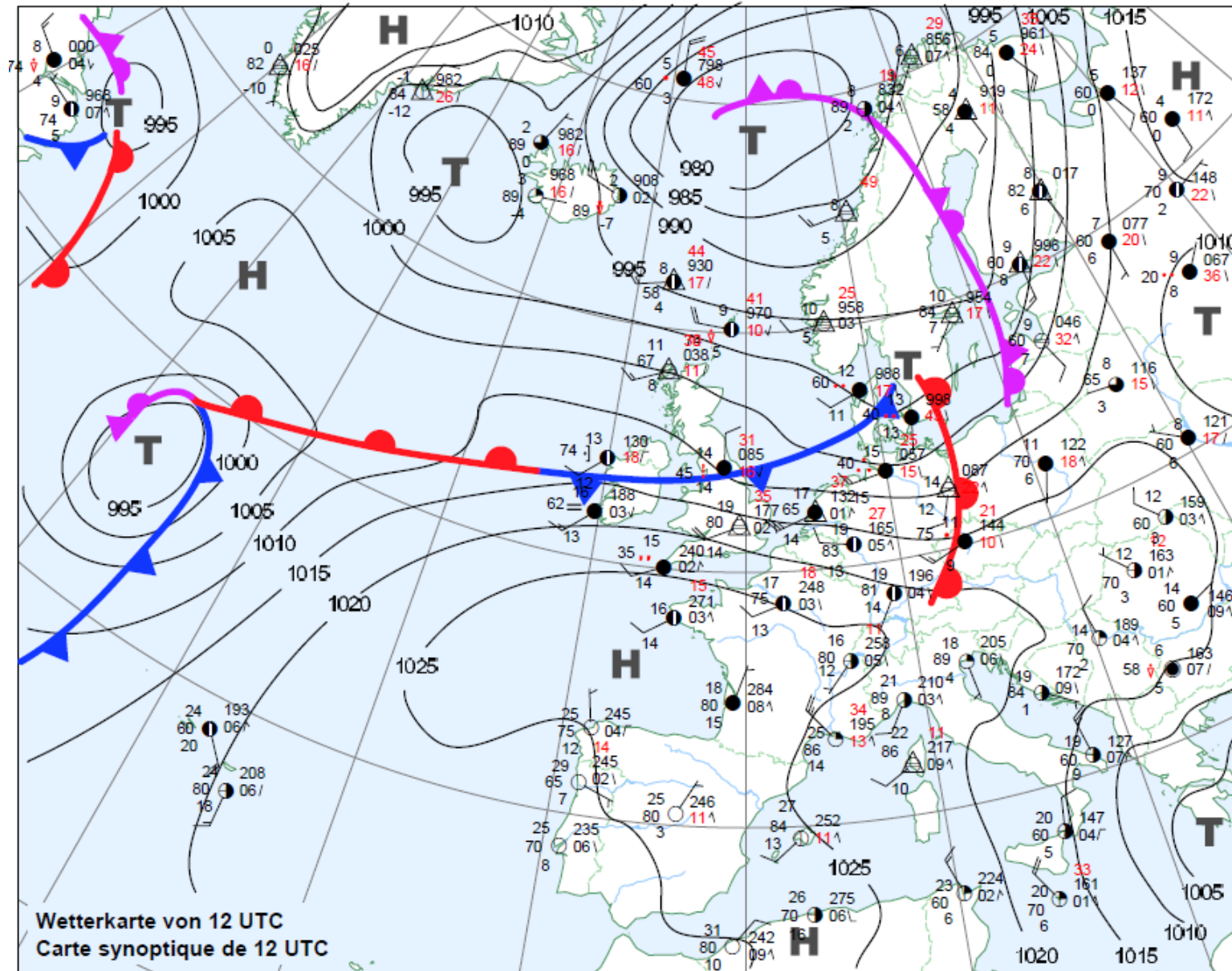


9 ottobre 2011: carta al suolo





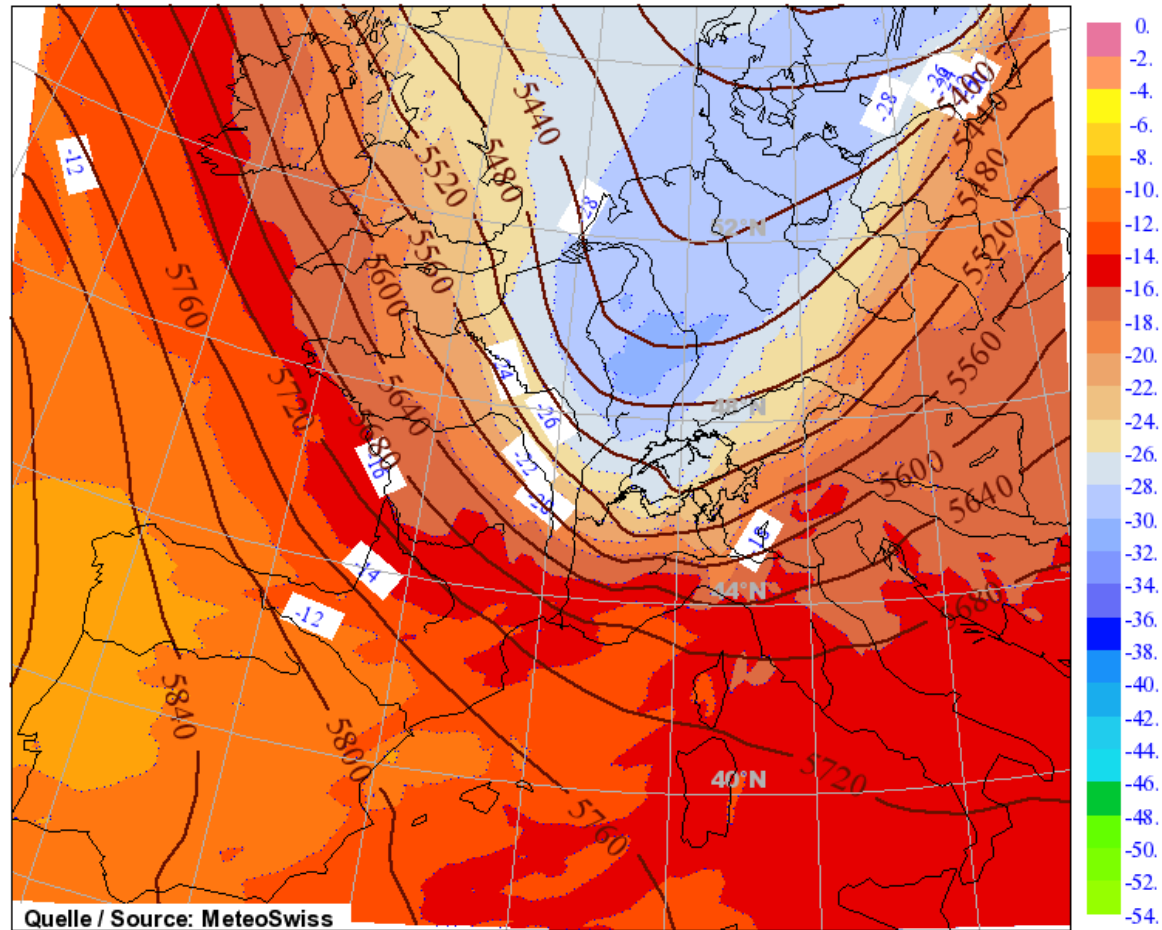
10 ottobre 2011: carta al suolo





Z@500 hPa: 7 06UTC

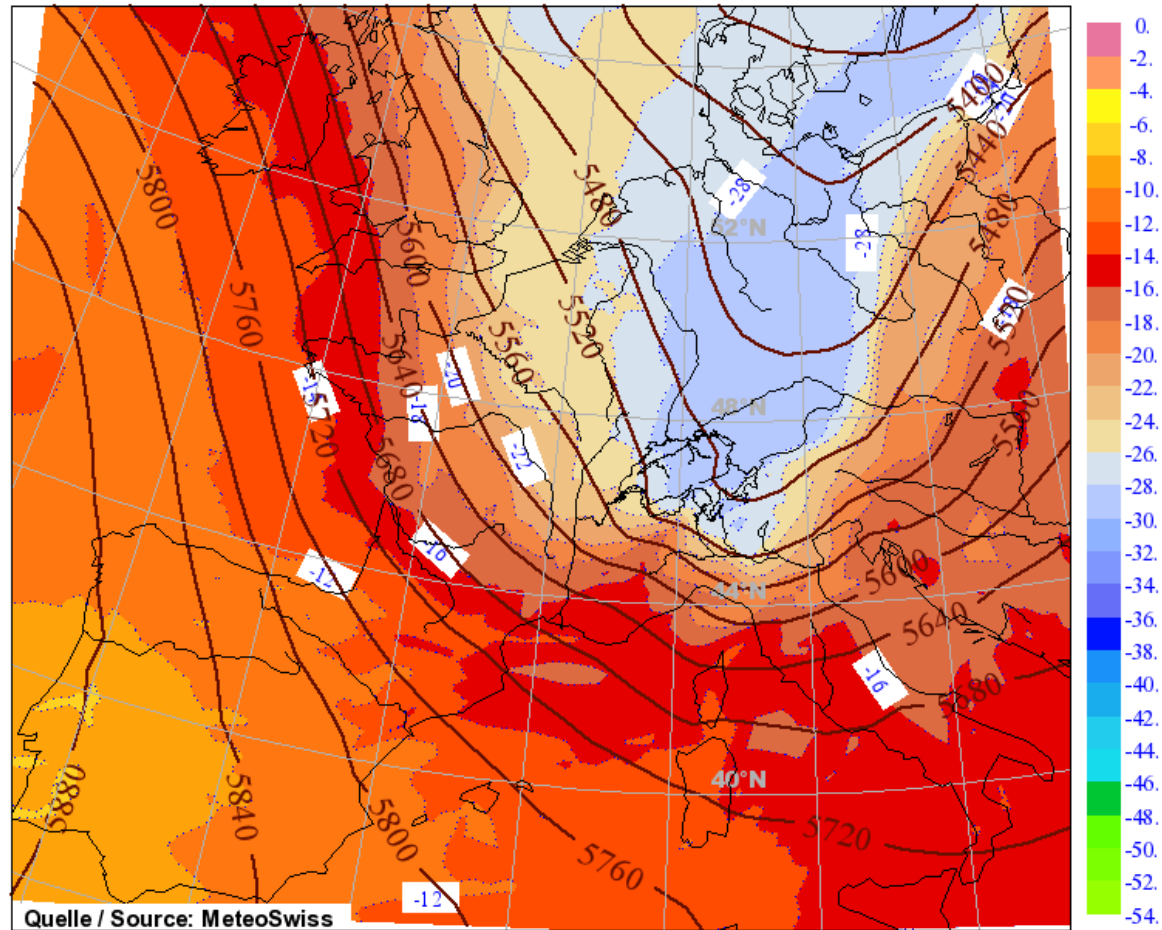
COSMO-7 Analysis for: Fri 7 Oct 2011 06 UTC Version: opr 7km (907)
500hPa Geopotential Height Units: m
Temperature shaded Units: °C Run: 07.10.2011 06UTC+0h





Z@500 hPa: 7 12UTC

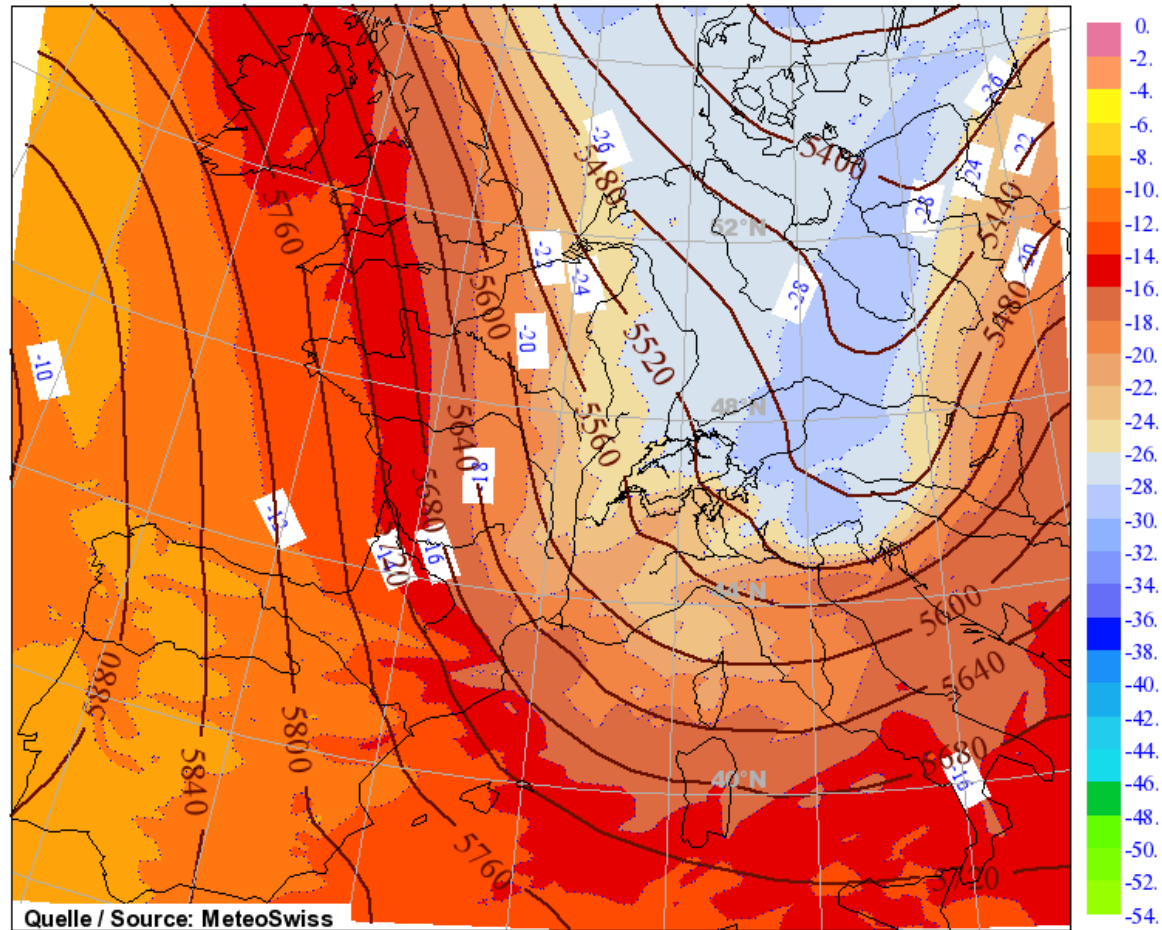
COSMO-7 Analysis for: **Fri 7 Oct 2011 12 UTC** Version: opr 7km (907)
500hPa Geopotential Height Units: m
Temperature shaded Units: °C Run: 07.10.2011 12UTC+0h





Z@500 hPa: 7 18UTC

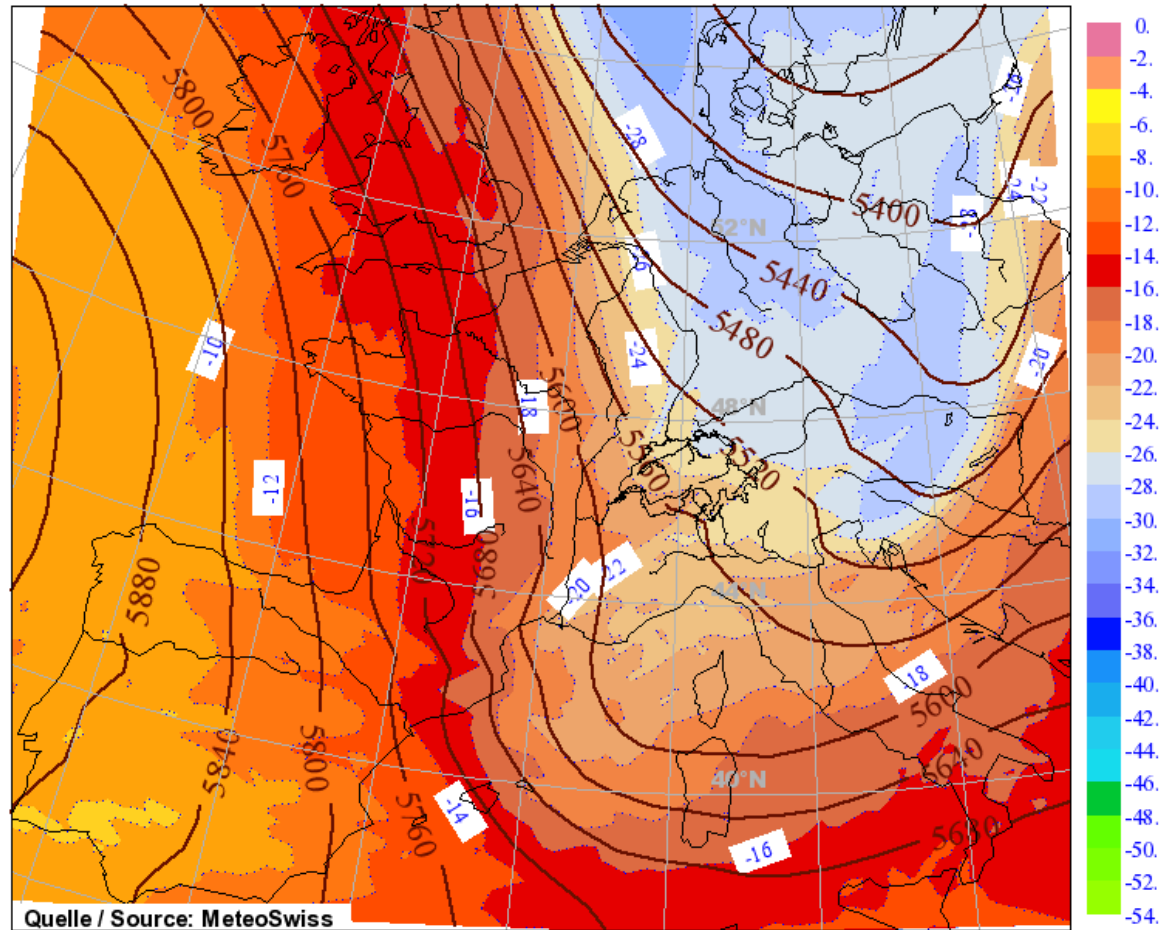
COSMO-7 Forecast for: **Fri 7 Oct 2011 18 UTC** Version: opr 7km (907)
500hPa Geopotential Height Units: m
Temperature shaded Units: °C Run: 07.10.2011 12UTC+6h





Z@500 hPa: 8 00UTC

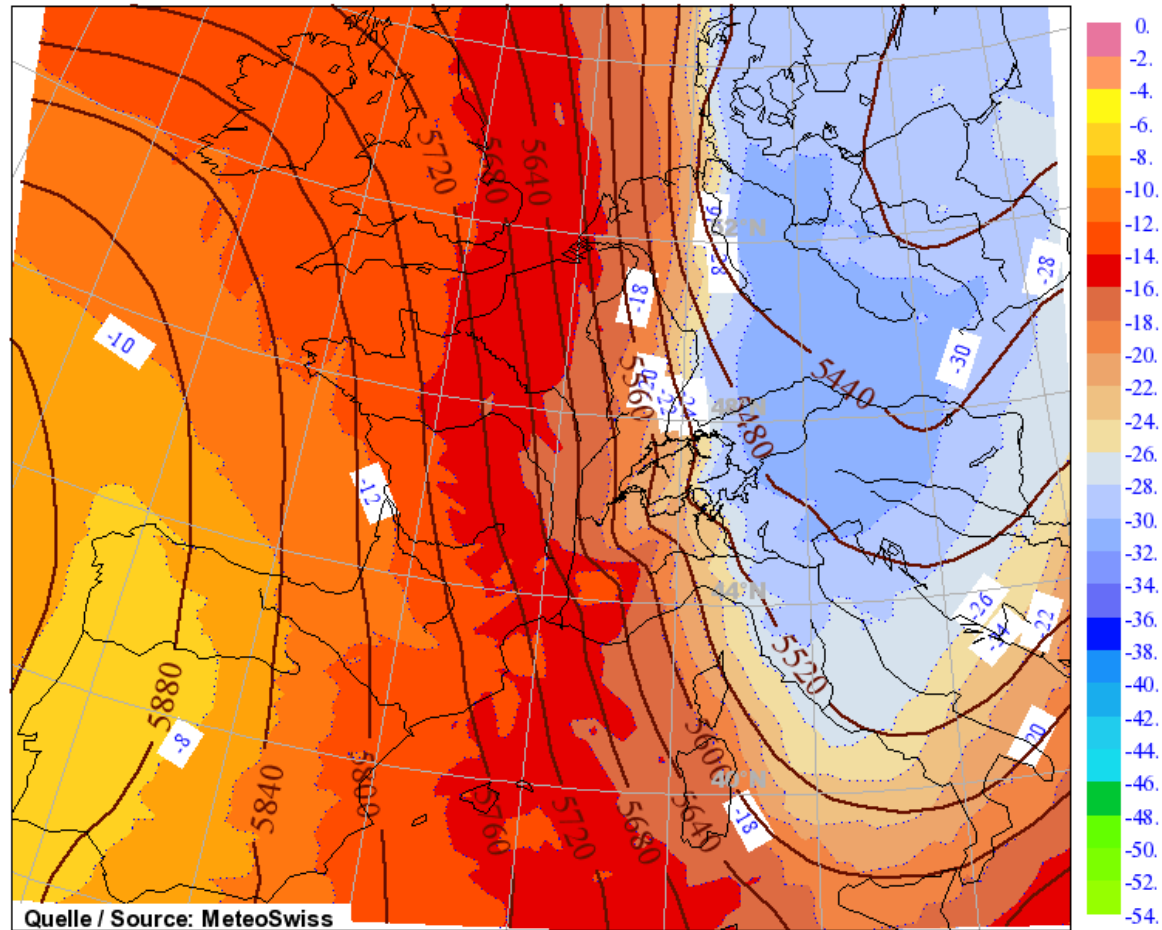
COSMO-7 Analysis for: Sat 8 Oct 2011 00 UTC
500hPa Geopotential Height Units: m
Temperature shaded Units: °C
Version: opr 7km (907)
Run: 08.10.2011 00UTC+0h





Z@500 hPa: 8 12UTC

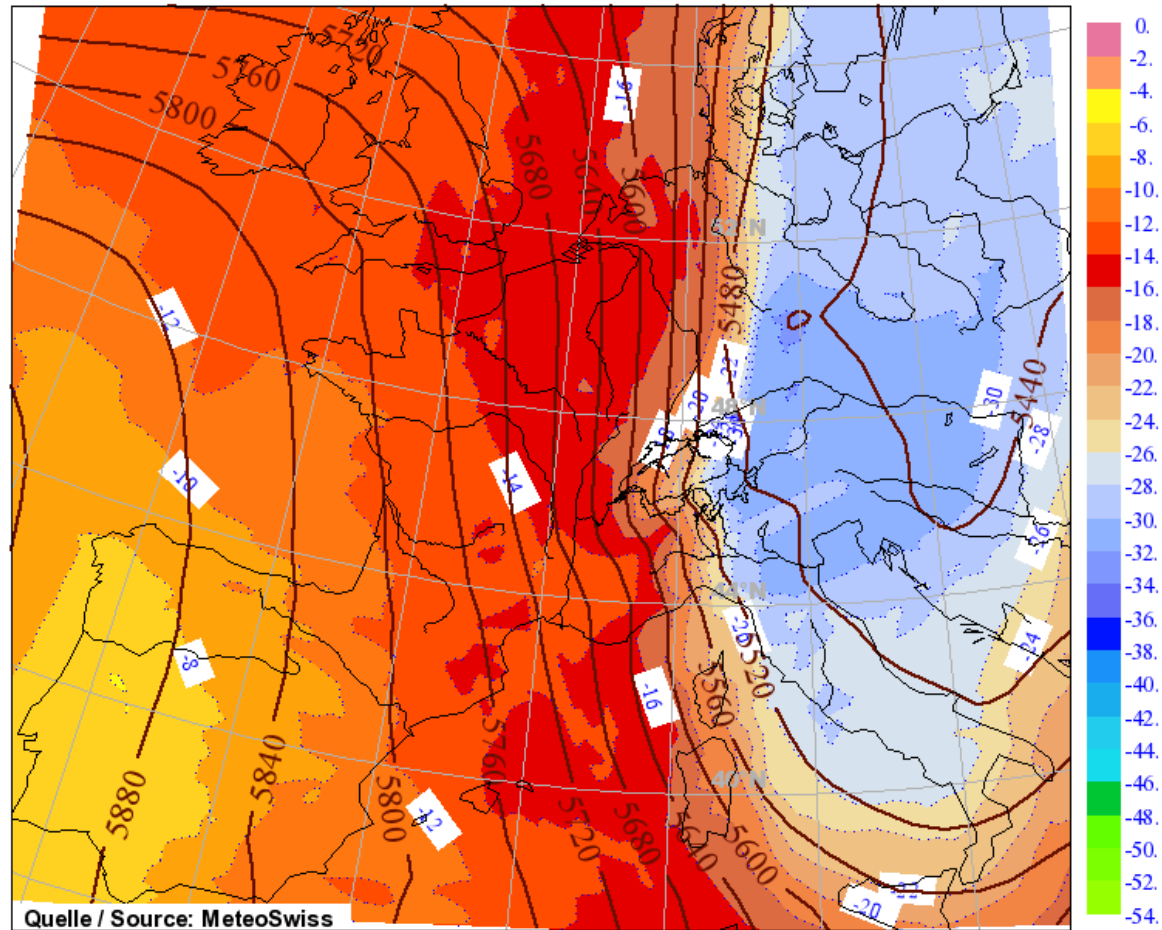
COSMO-7 Forecast for: **Sat 8 Oct 2011 18 UTC** Version: opr 7km (907)
500hPa Geopotential Height Units: m
Temperature shaded Units: °C Run: 08.10.2011 12UTC+6h





Z@500 hPa: 9 00UTC

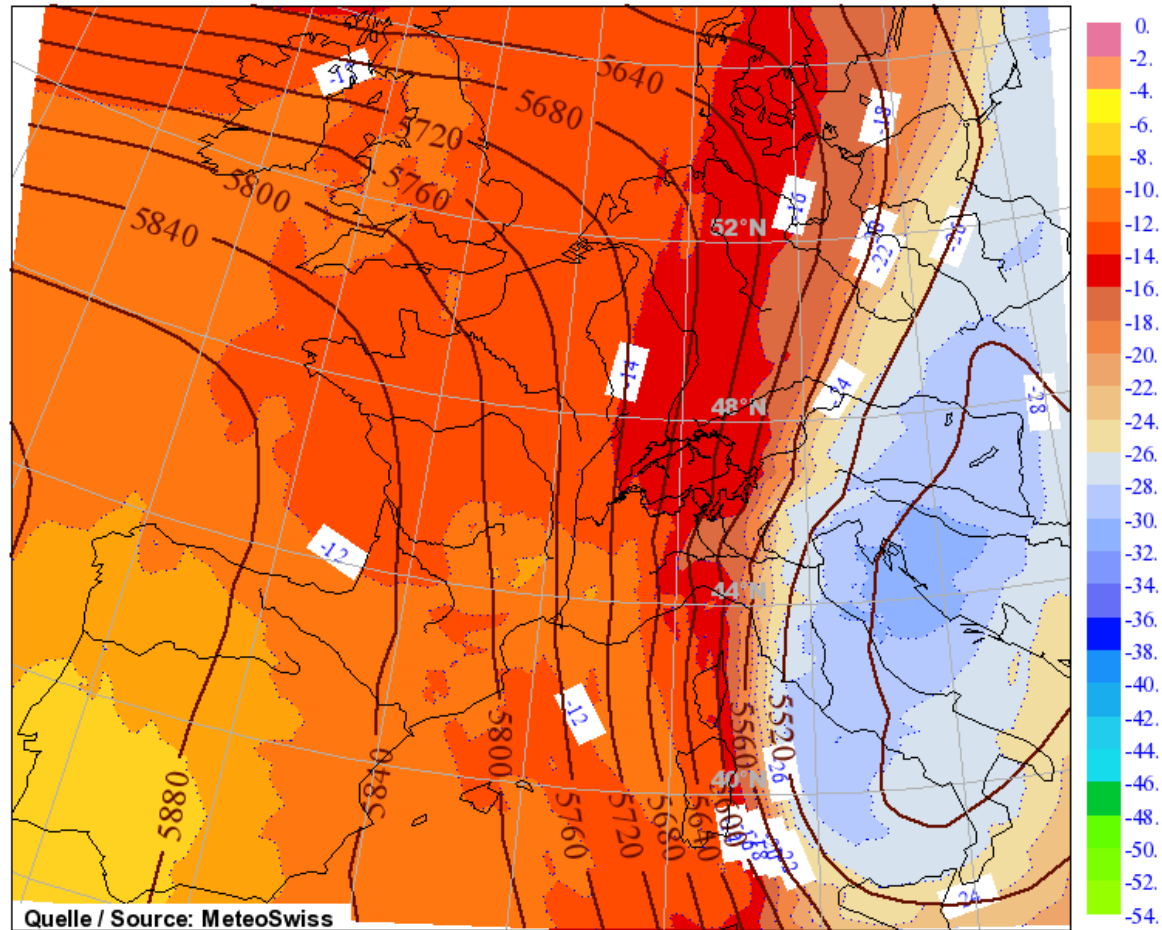
COSMO-7 Analysis for: Sun 9 Oct 2011 00 UTC
500hPa Geopotential Height Units: m
Temperature shaded Units: °C
Version: opr 7km (907)
Run: 09.10.2011 00UTC+0h





Z@500 hPa: 9 12UTC

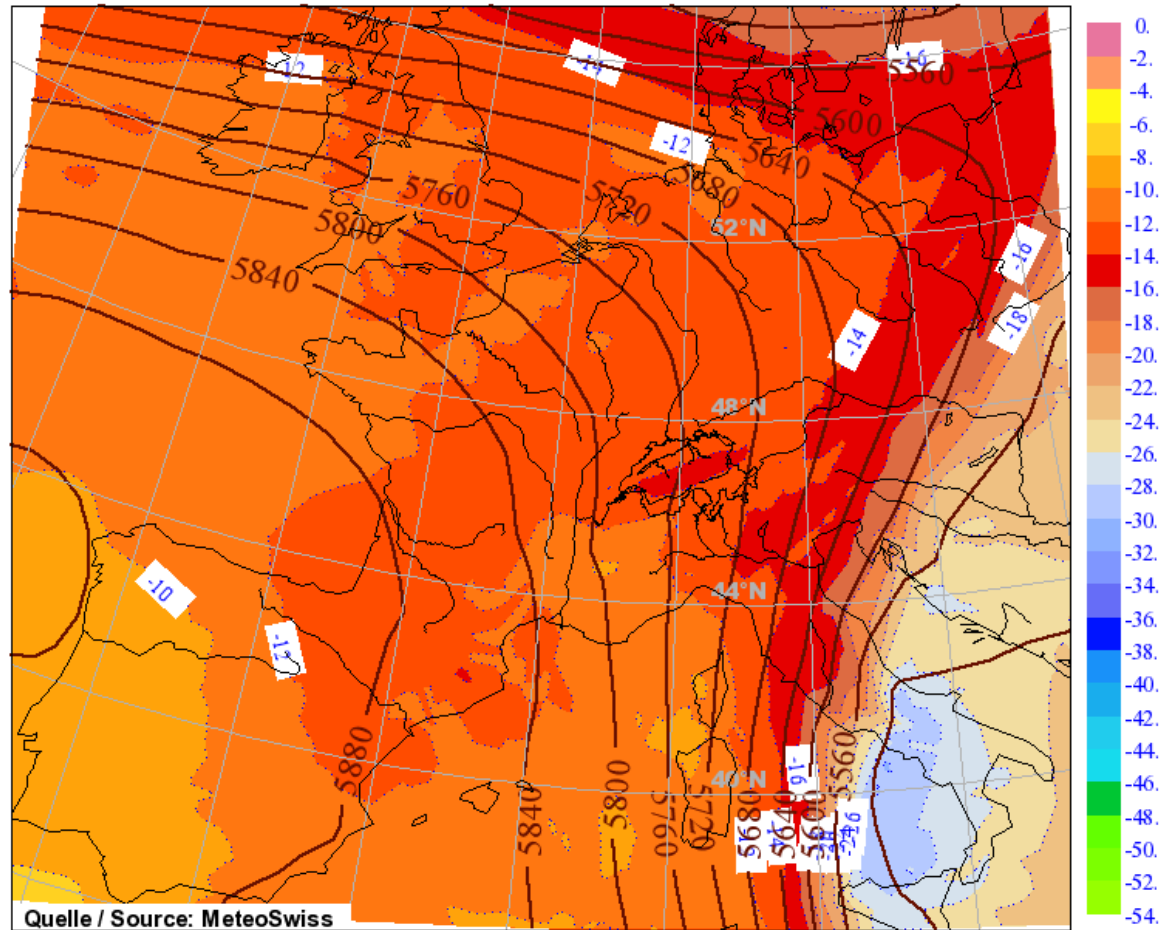
COSMO-7 Analysis for: Sun 9 Oct 2011 12 UTC
500hPa Geopotential Height Units: m
Temperature shaded Units: °C
Version: opr 7km (907)
Run: 09.10.2011 12UTC+0h





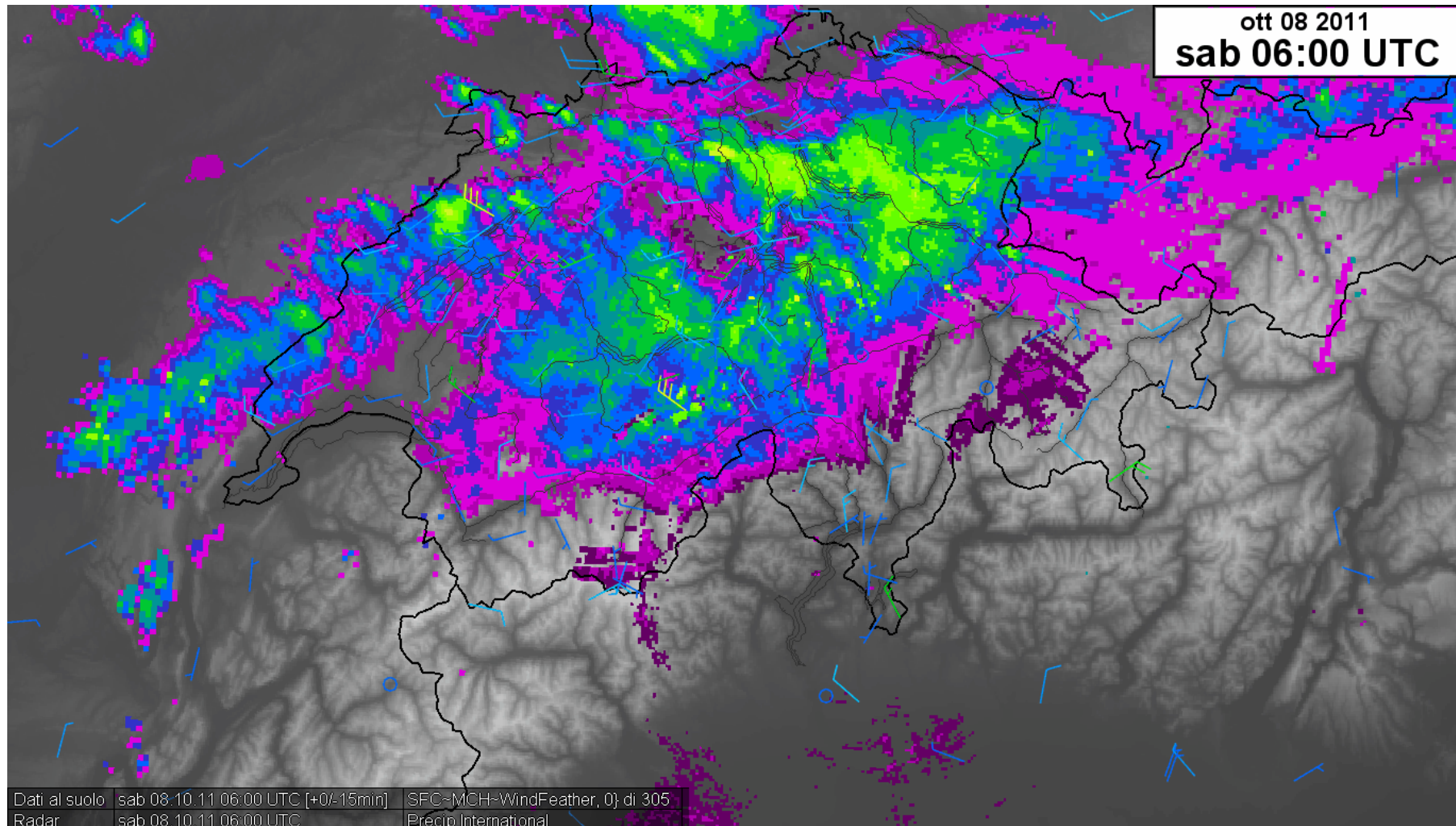
Z@500 hPa: 10 00UTC

COSMO-7 Analysis for: **Mon 10 Oct 2011 00 UTC** Version: opr 7km (907)
500hPa Geopotential Height Units: m
Temperature shaded Units: °C Run: 10.10.2011 00UTC+0h



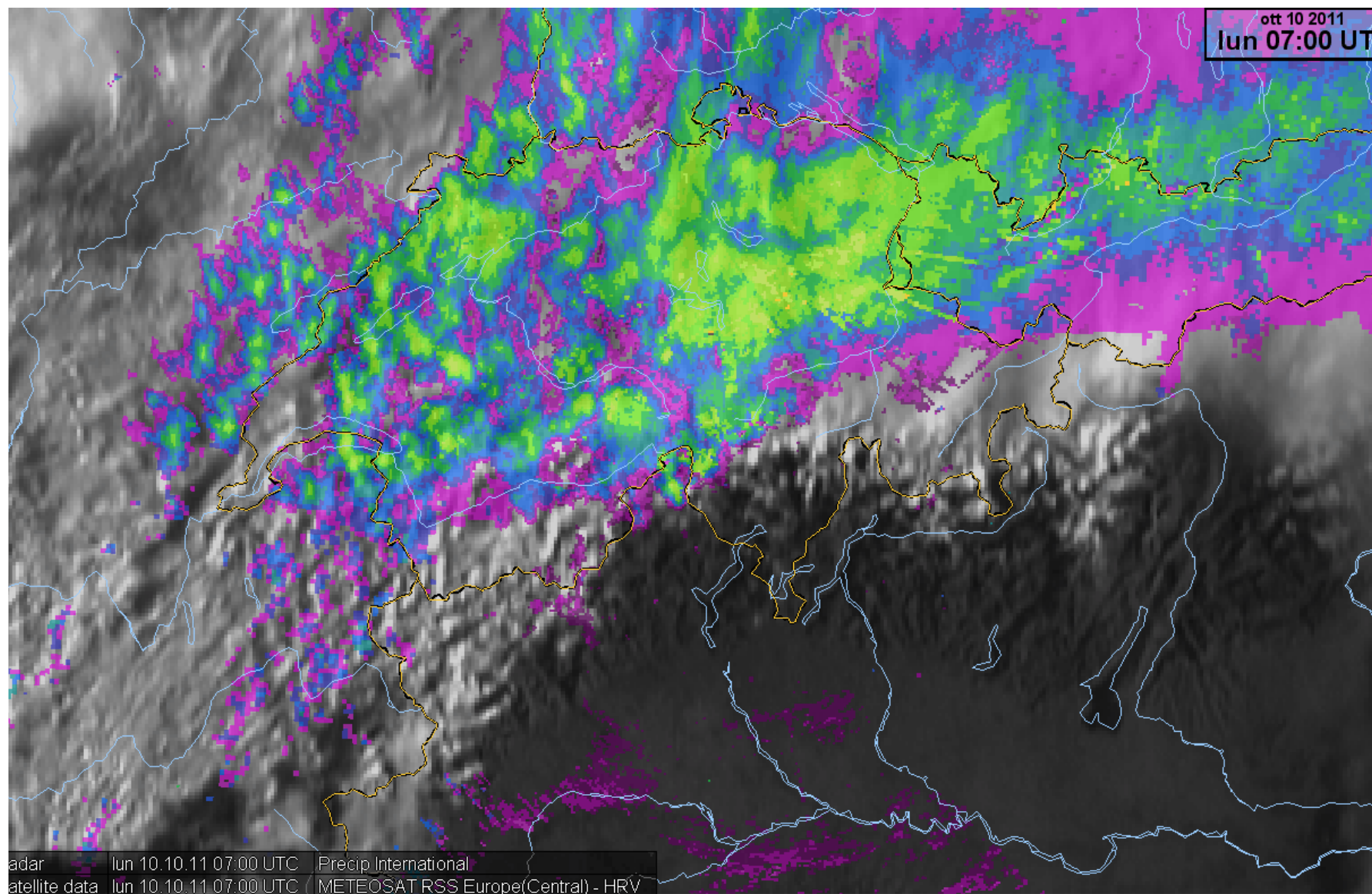


8-9.10 radar e satellite



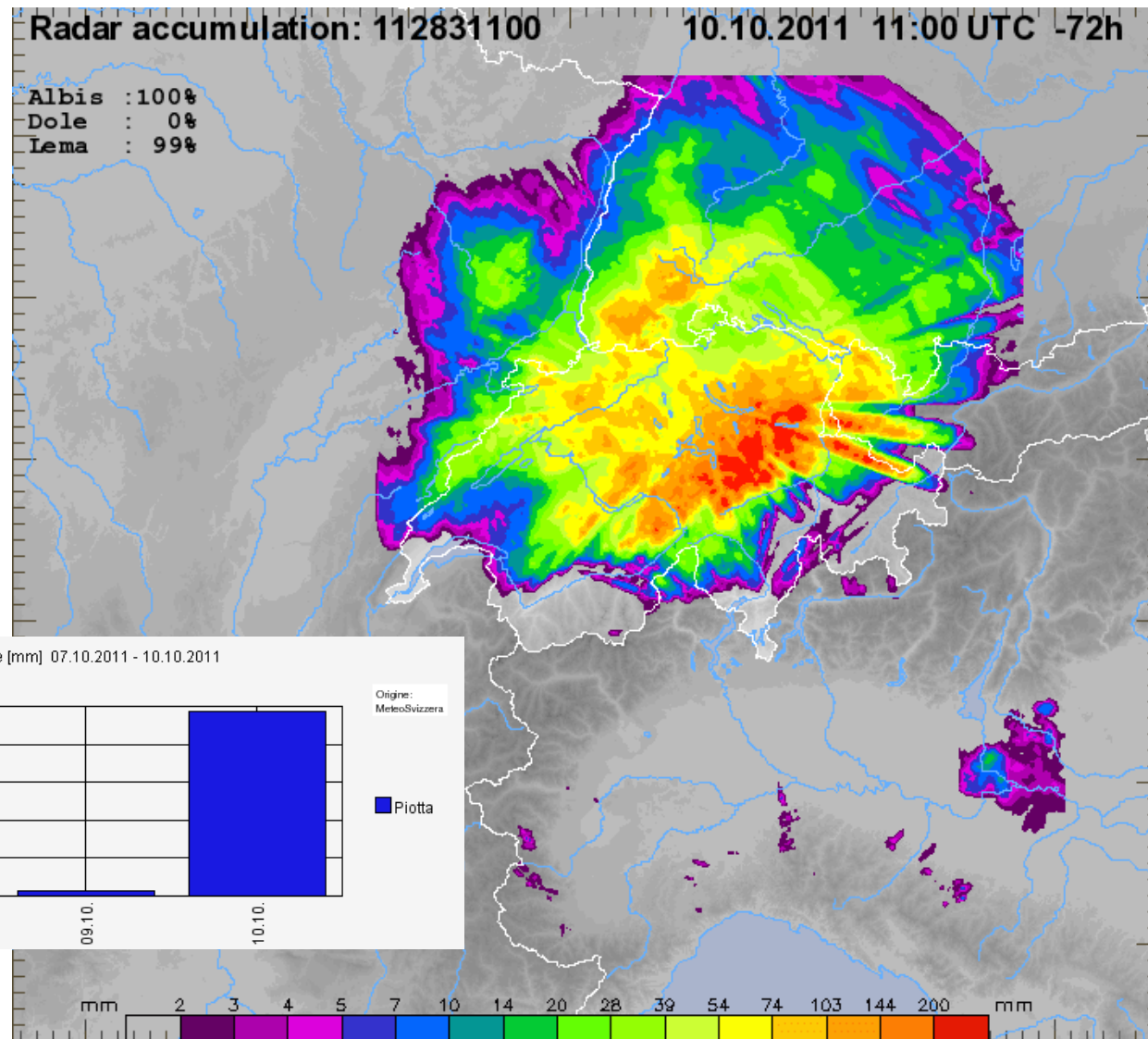


10.10 radar e satellite



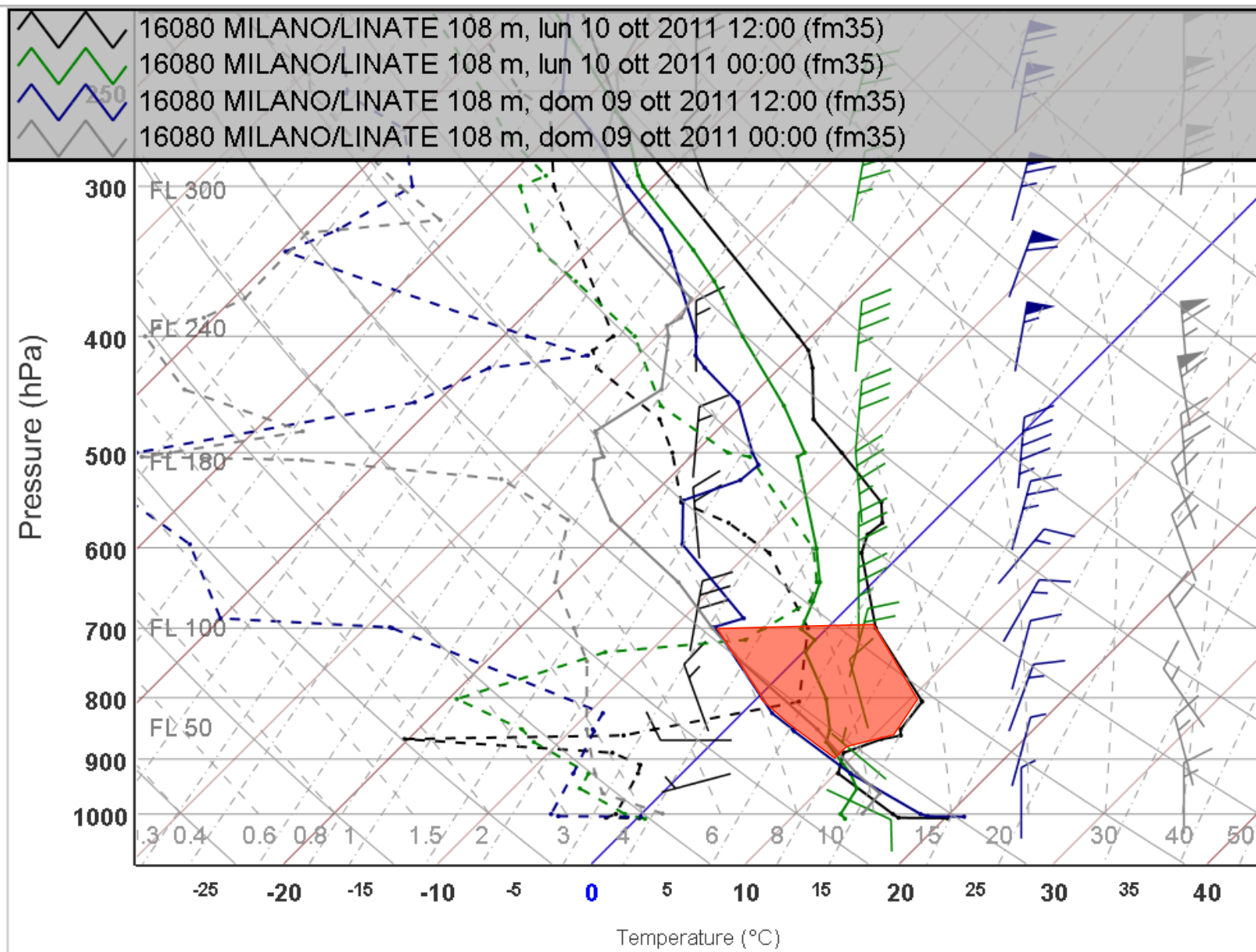


Accumuli di precipitazione



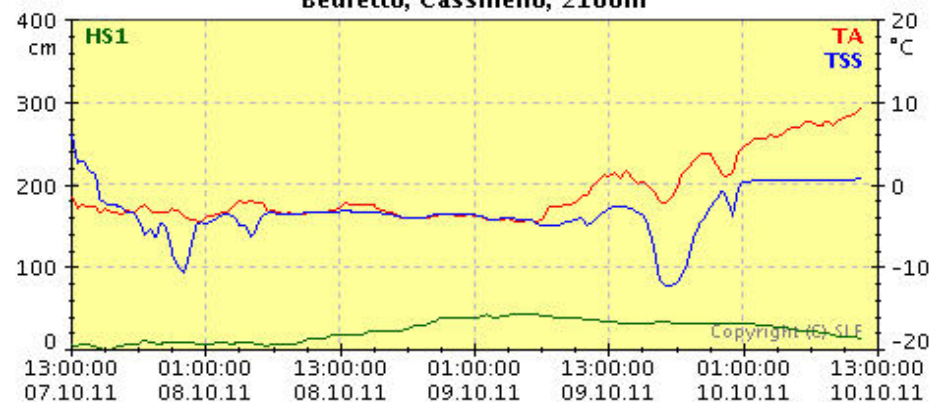


Radiosondaggi verticali





Bedretto, Cassinello, 2100m



Bedretto 2100m

Cassinello

10.10.2011 10:30

D24h

HS1: 14 cm -23

TA: 9.3 °C 9.4

TSS: 0.7 °C 5.1

TS3: 10.1 °C 7.5

TS2: 7.1 °C 6.8

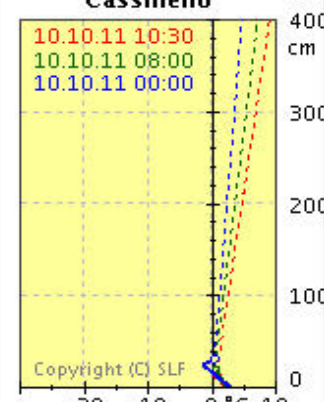
TS1: 9.0 °C 9.5

TS0: 2.0 °C -1.2

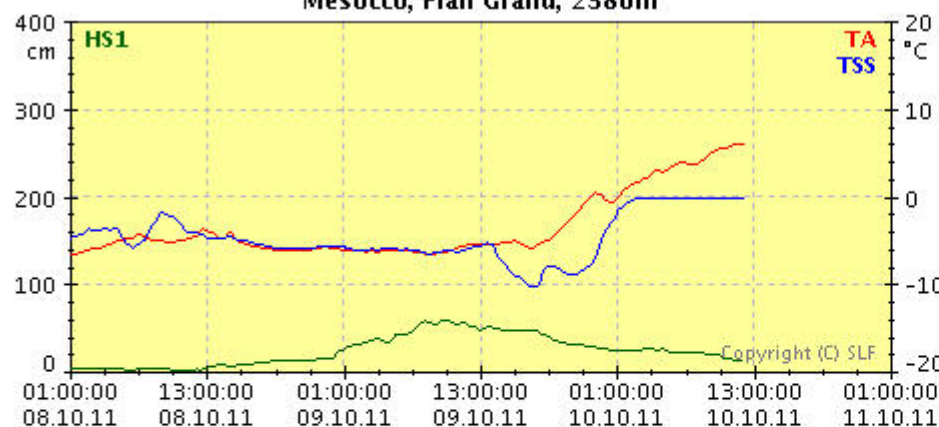
RSWR: 257 W/m2 -241

RH: 70 % 20

Cassinello



Mesocco, Pian Grand, 2380m



Mesocco 2380m

Pian Grand

10.10.2011 11:00

D24h

HS1: 12 cm -41

TA: 6.1 °C 11.5

TSS: -0.2 °C 5.6

TS3: 5.8 °C 9.9

TS2: 5.6 °C 9.3

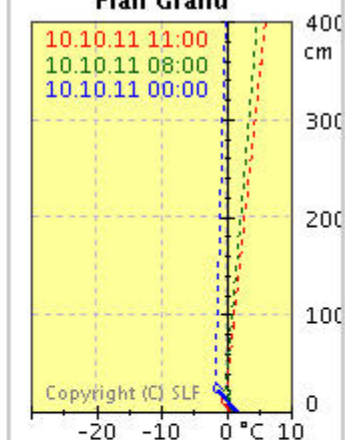
TS1: 6.6 °C 6.6

TS0: 0.6 °C -1.2

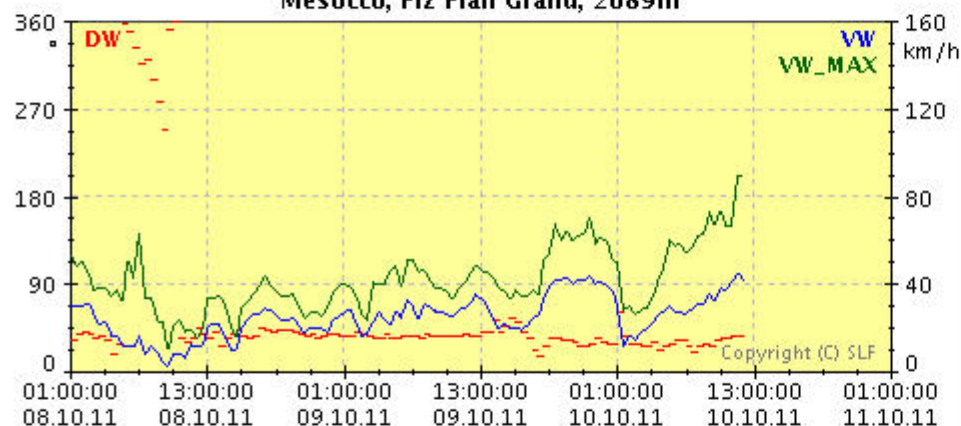
RSWR: 135 W/m2 -236

RH: 86 % -2

Pian Grand



Mesocco, Piz Pian Grand, 2689m



Mesocco 2689m

Piz Pian Grand

10.10.2011 11:00

D24h

DW: NE °

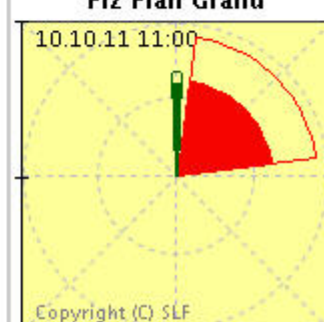
VW: 41.8 km/h

MAX: 88.9 km/h

TA: 3.9 °C 12.0

RH: 91 % -9

Piz Pian Grand

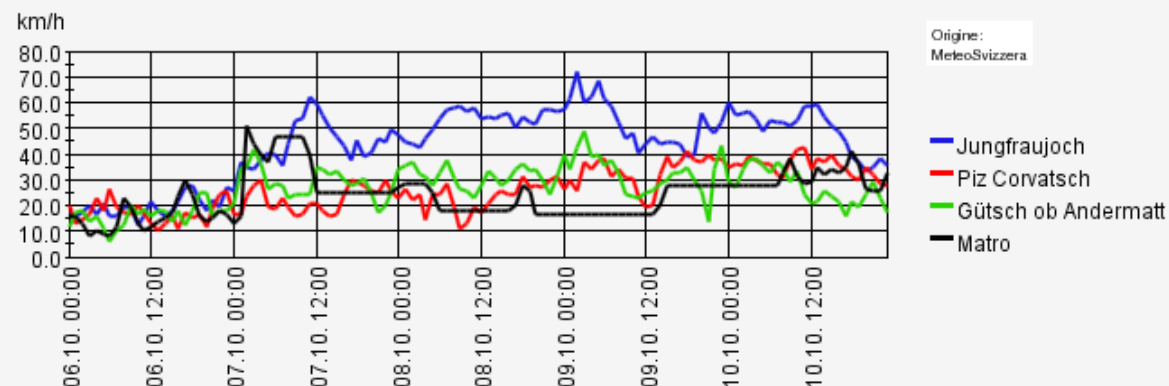


DW VW_Mean 24h Max_Mea
NE 31.0 km/h 93% 45.4 km
N 30.2 km/h 6% 33.8 km

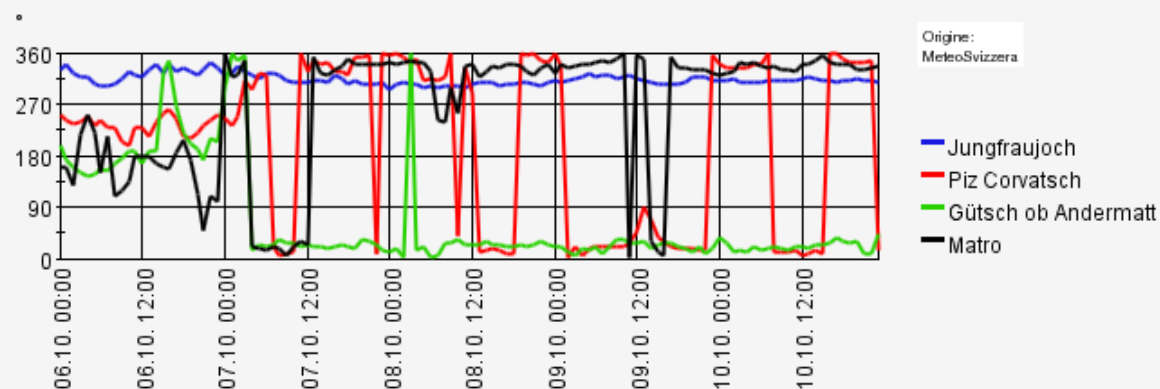


Vento

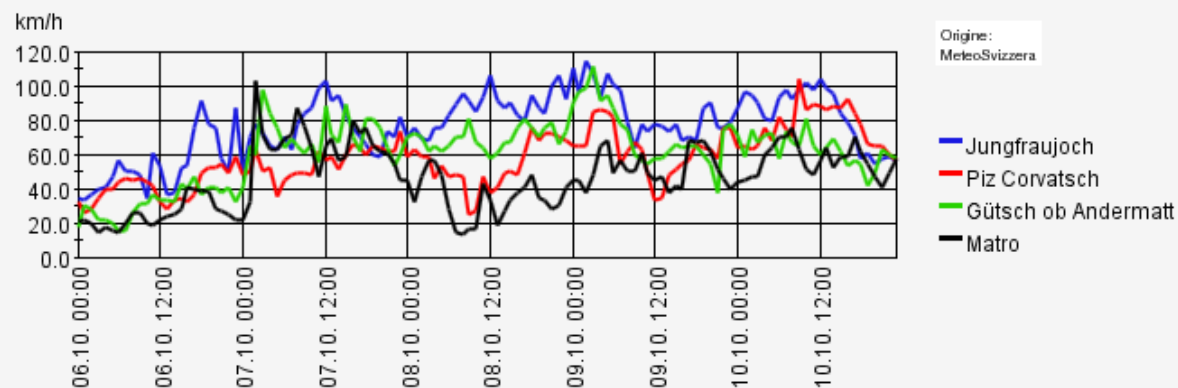
Velocità del vento scalare; media oraria [km/h] 06.10.2011 00:00 UTC - 10.10.2011 23:00 UTC



Direzione del vento; media oraria [°] 06.10.2011 00:00 UTC - 10.10.2011 23:00 UTC



Raffica del vento (su un secondo); massima oraria [km/h] 06.10.2011 00:00 UTC - 10.10.2011 23:00 UTC





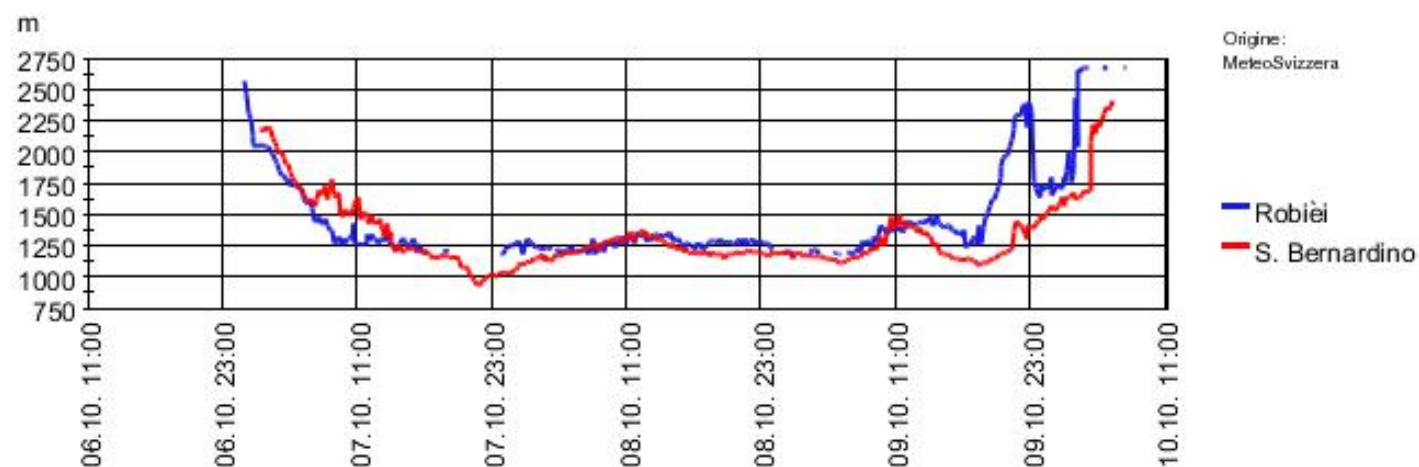
Temperatura in quota

Temperatura dell'aria a 2 m; valore momentaneo [°C] 06.10.2011 11:00 UTC - 10.10.2011 11:10 UTC

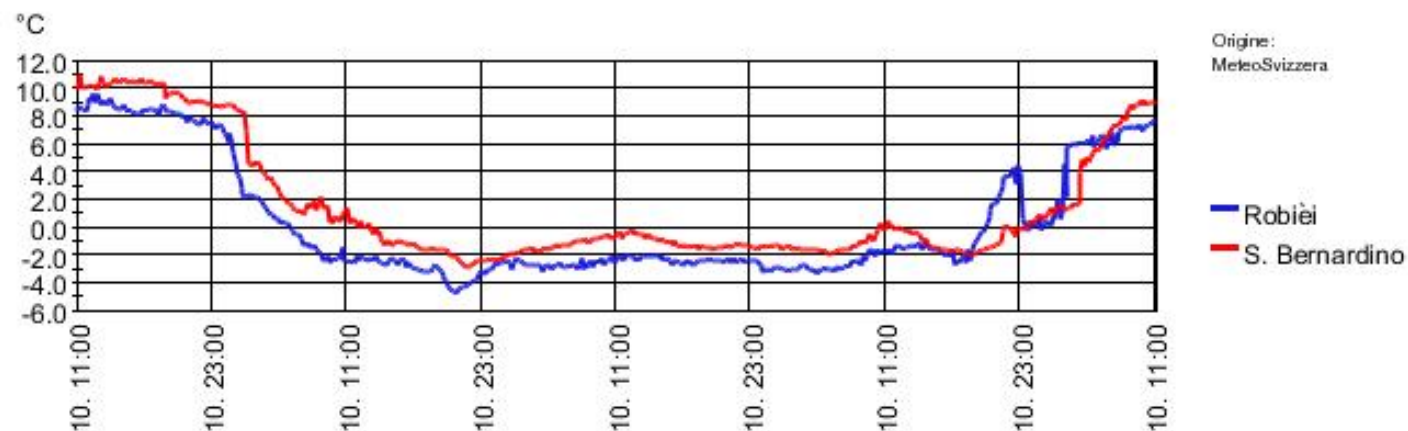




Limite delle nevicate

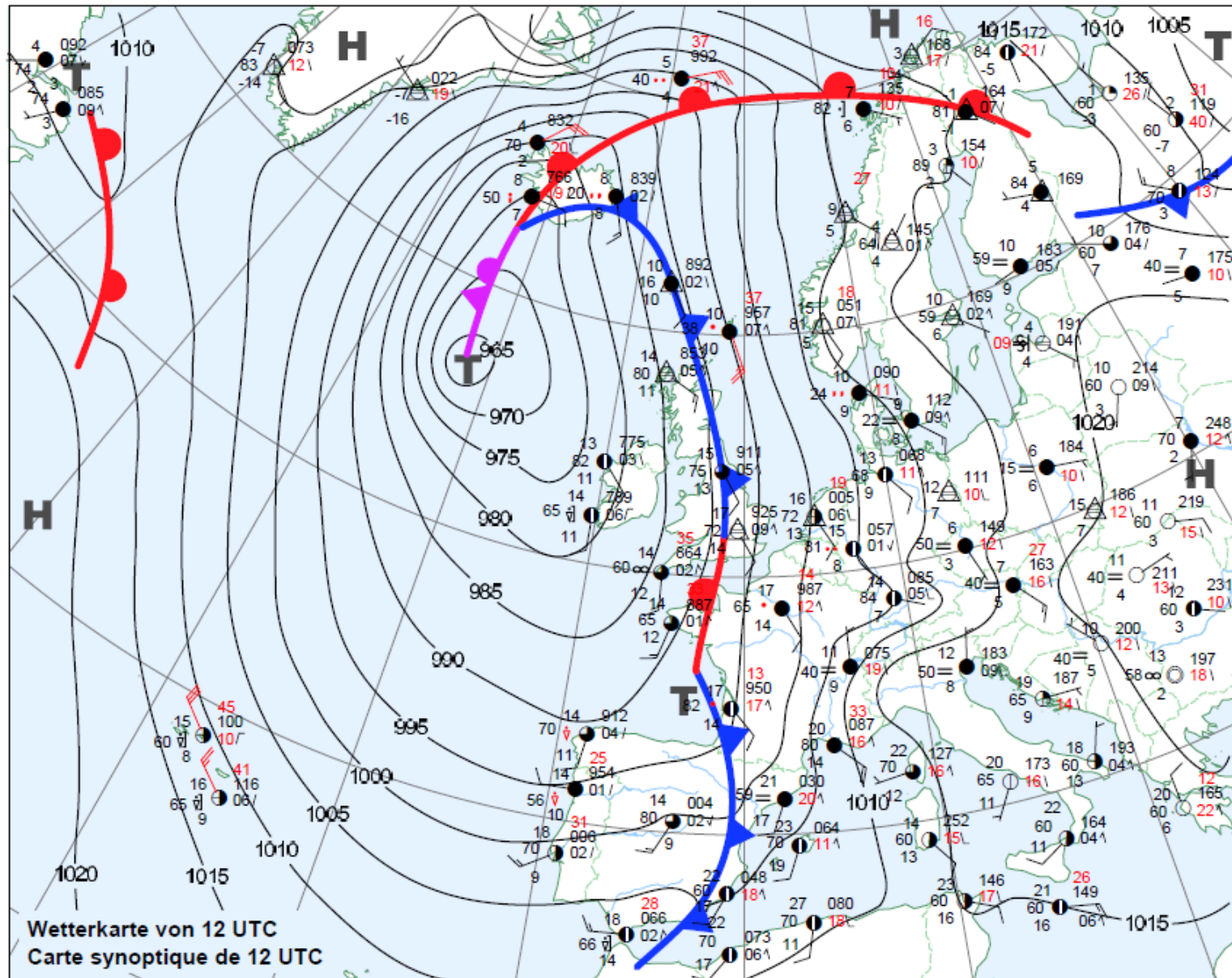


Temperatura del wet-bulb (temperatura psicrometro) a 2 m; valore momentaneo [°C] 06.10.2011 11:00 UTC - 10.10.2011 11:10 UT



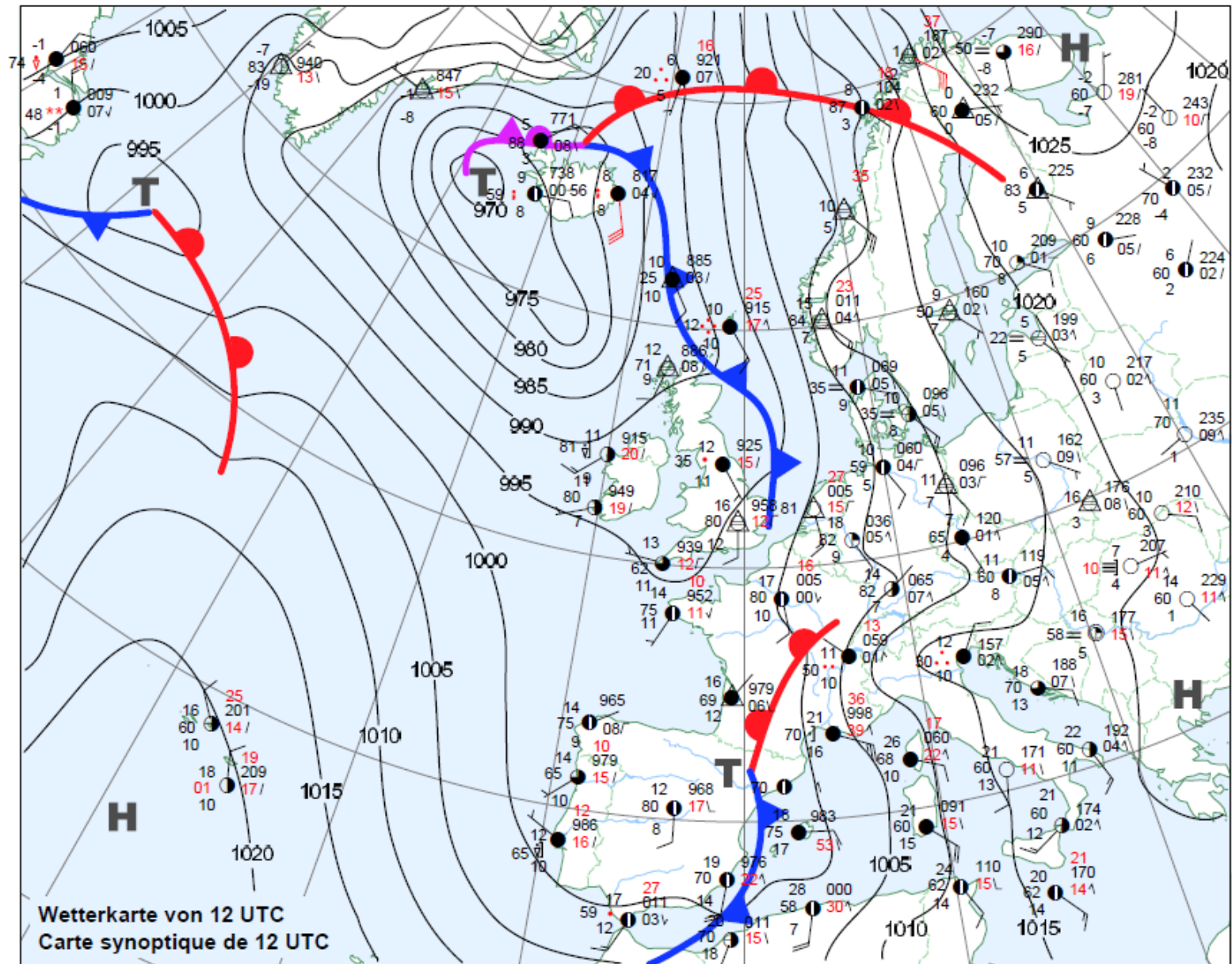


3.11 Situazione di sbarramento



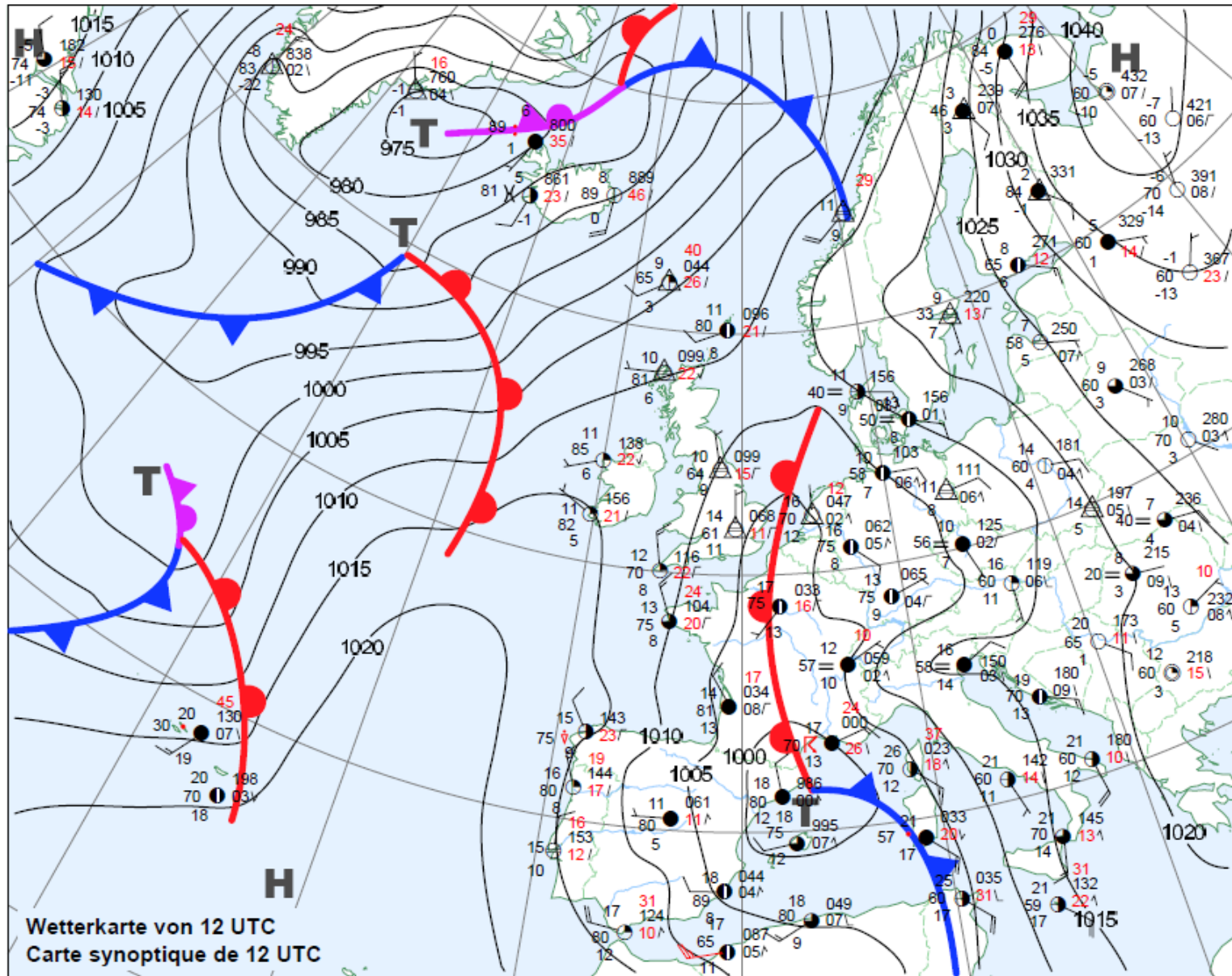


4.11 Situazione di sbarramento



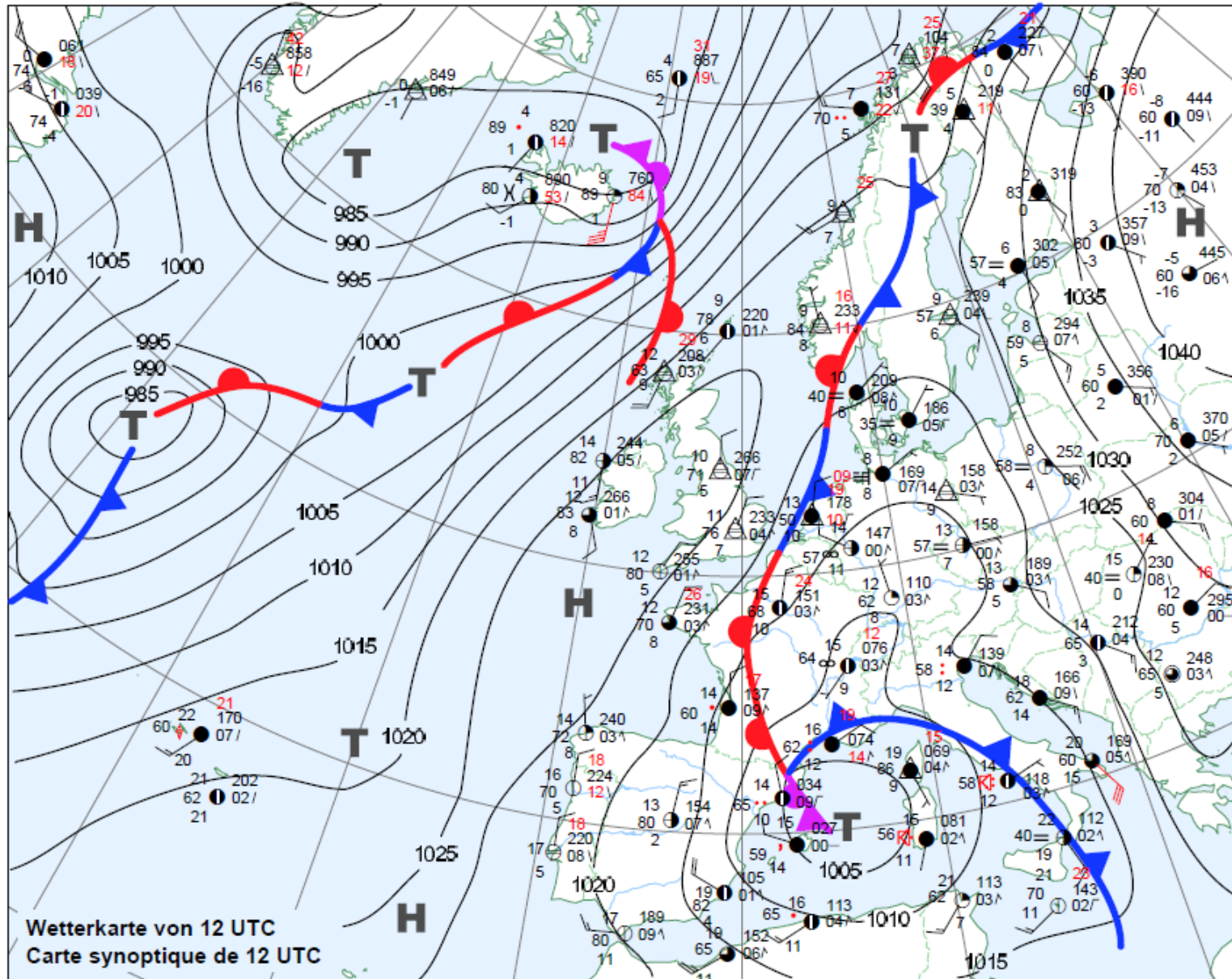


5.11 Situazione di sbarramento



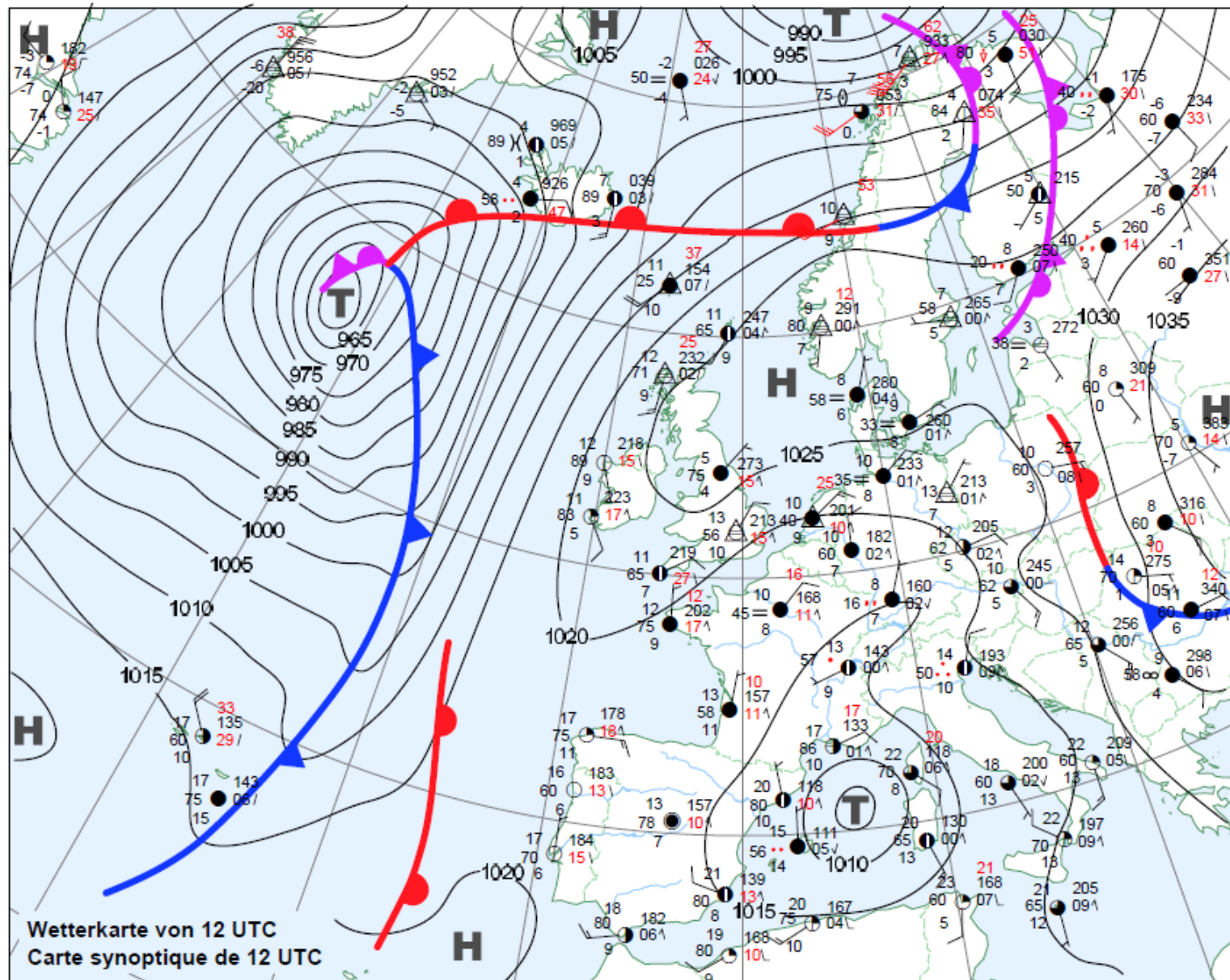


6.11 Situazione di sbarramento



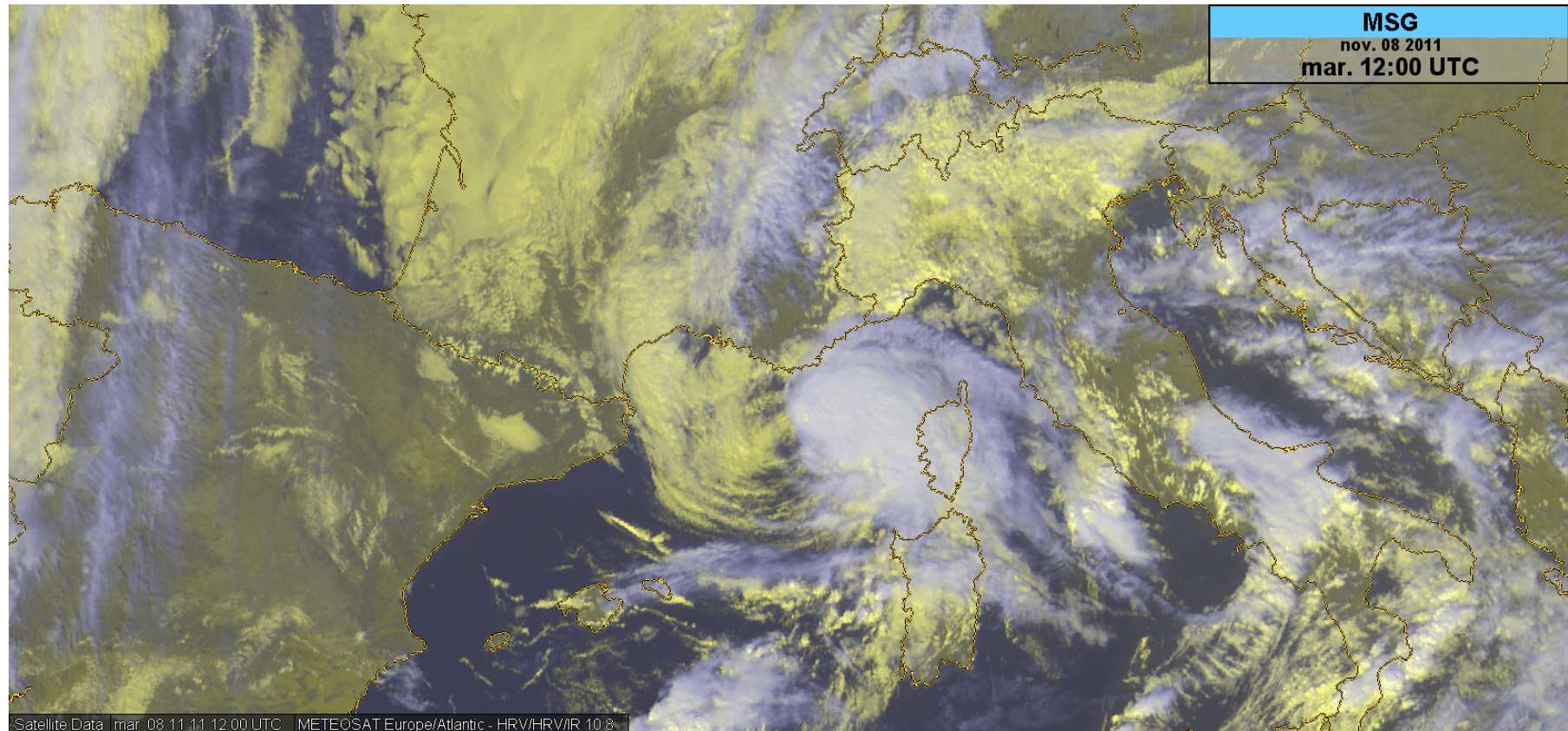


7.11 Situazione di sbarramento





7-8.11 Medicane?





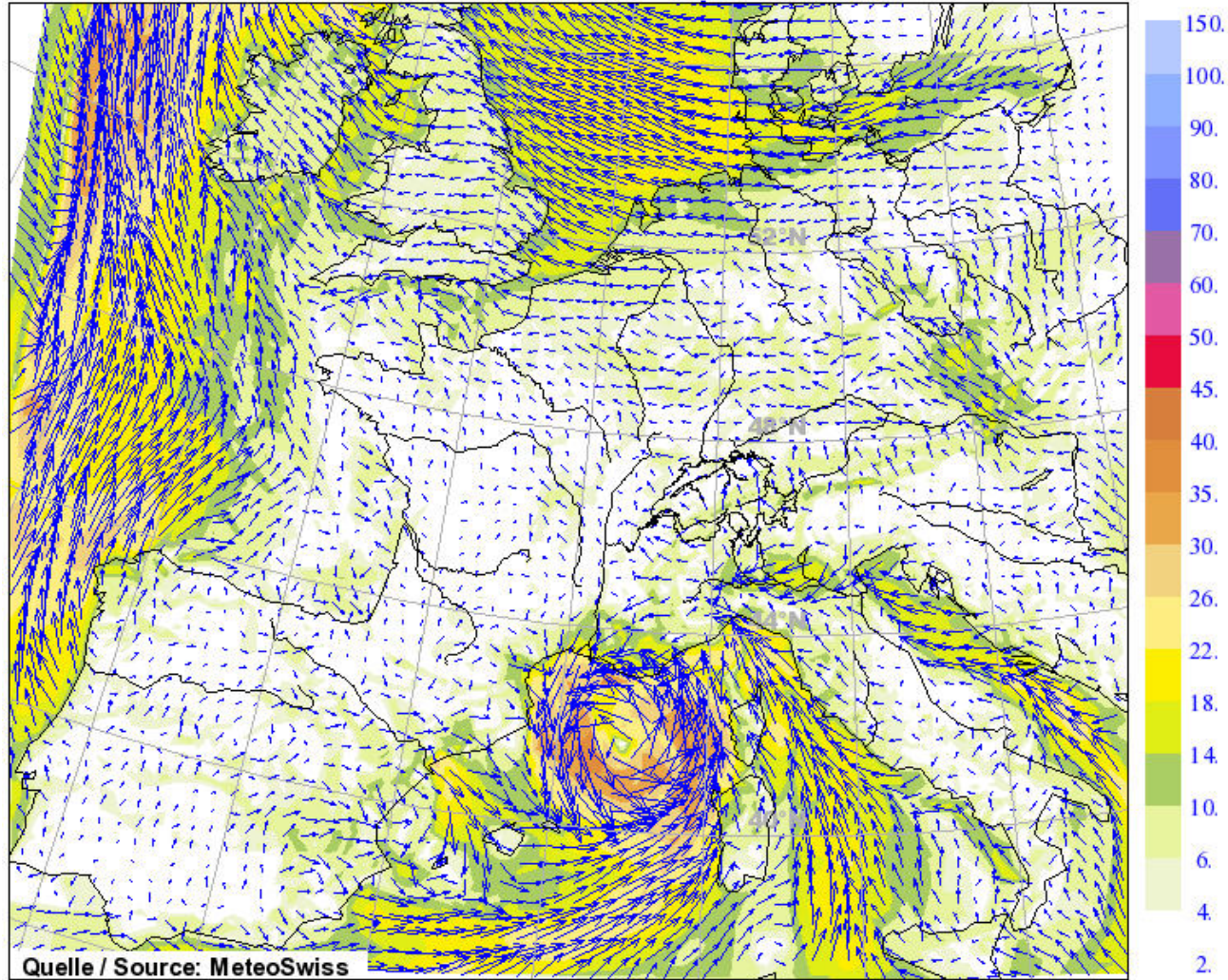
7-8.11 Medicane?

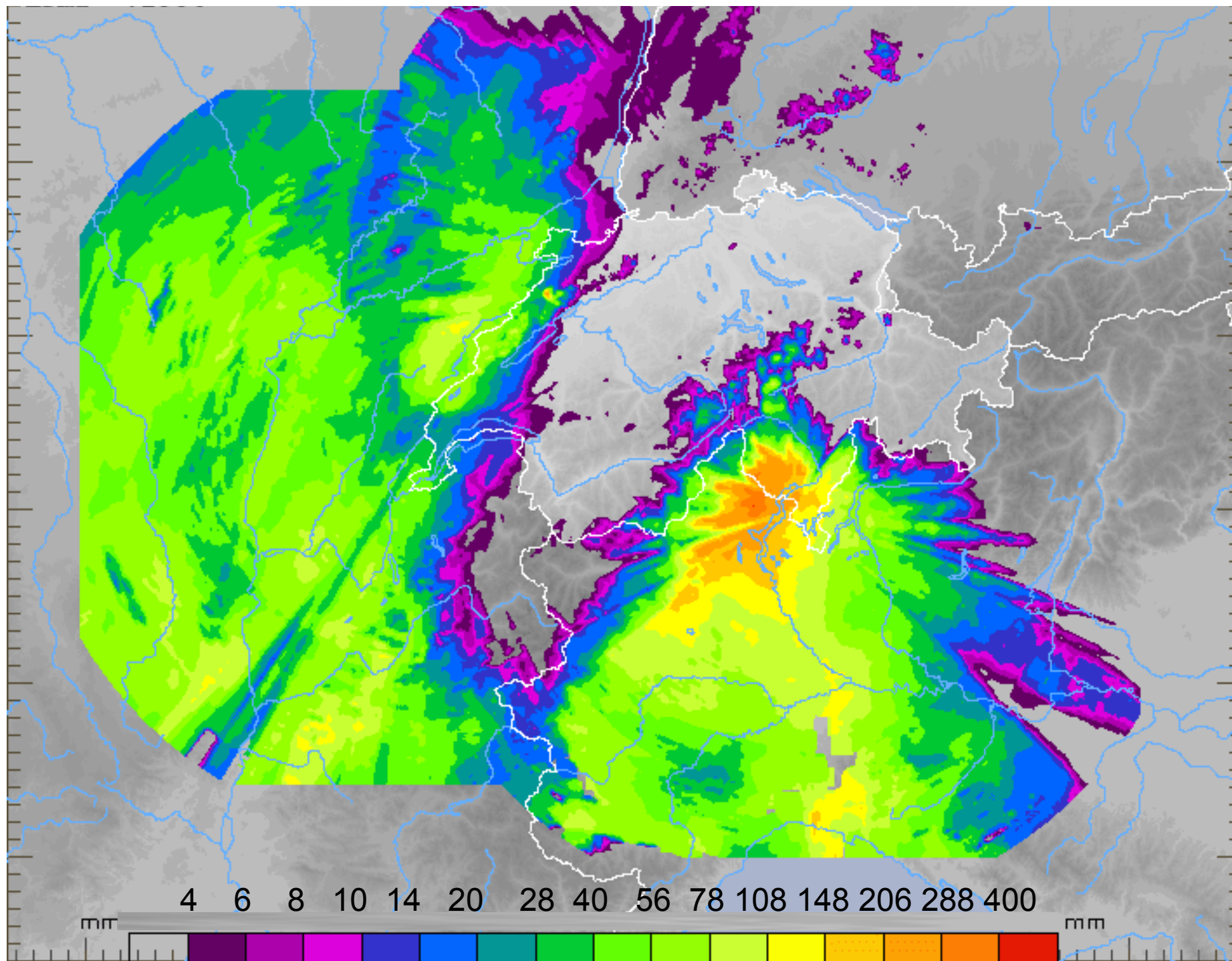
COSMO-7 Analysis for: **Tue 8 Nov 2011 06 UTC**

10m Wind every 6 grid points and speed in knots shaded

Version: **opr 7km (907)**

Run: 08.11.2011 06UTC+0h







Grazie per l'attenzione!





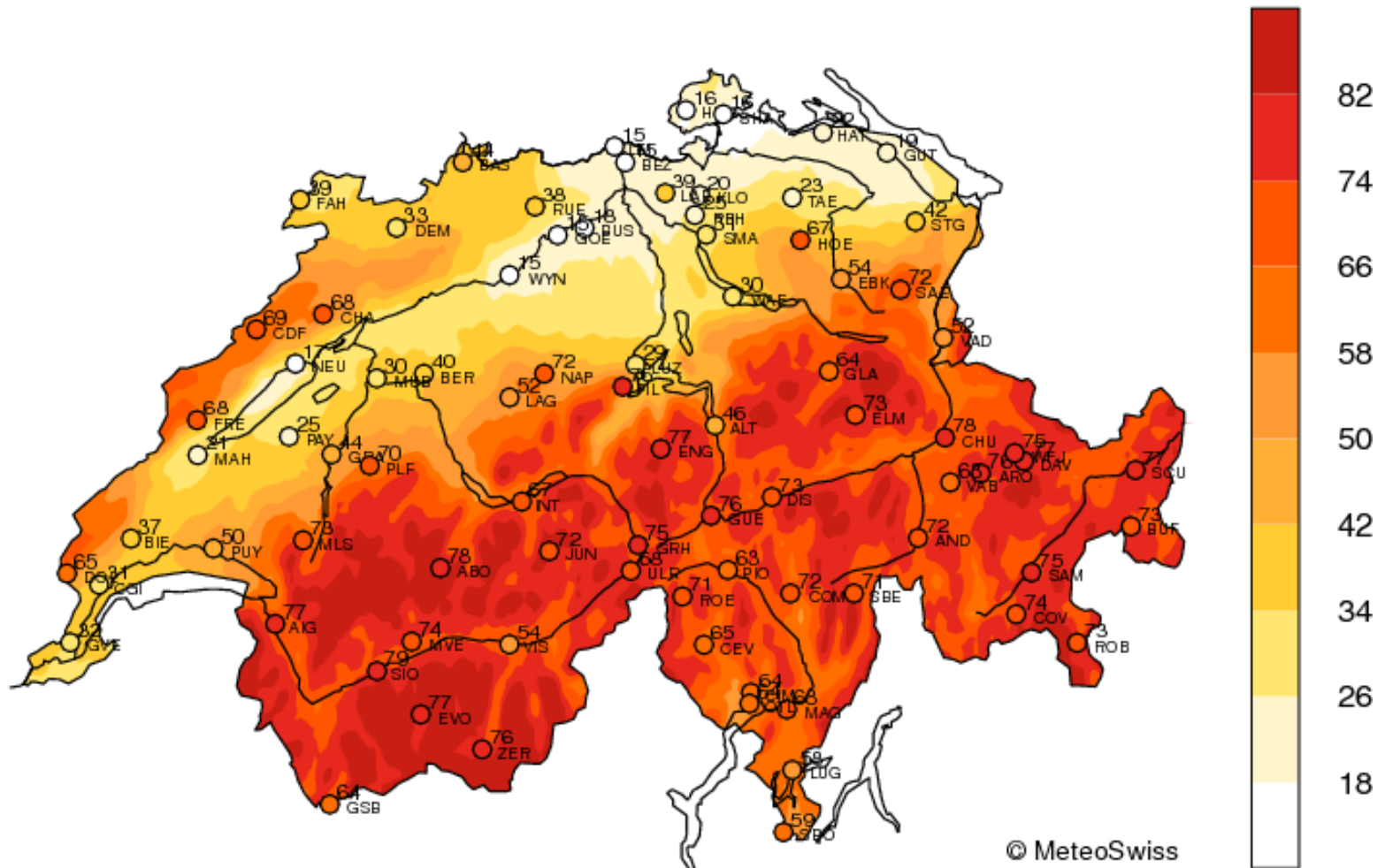
2011-10-27 16:55
SreIM v1.2
© MeteoSwiss

2011-10-27 16:55
SrelM v1.2
© MeteoSwiss





Monthly Relative Sunshine Duration (%) Nov 2011

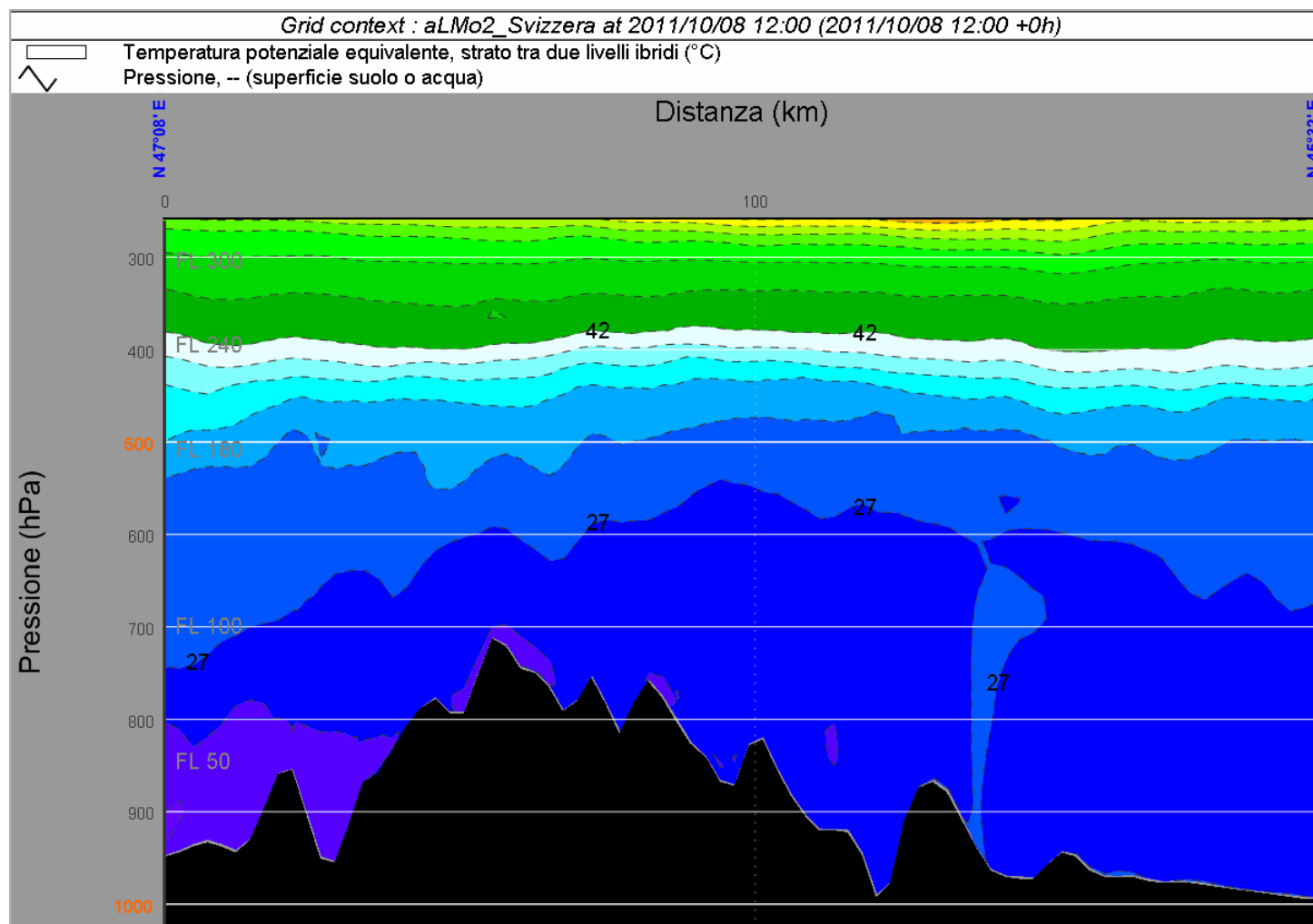


© MeteoSwiss

SrelM v1.2, 2011-12-01 18:11

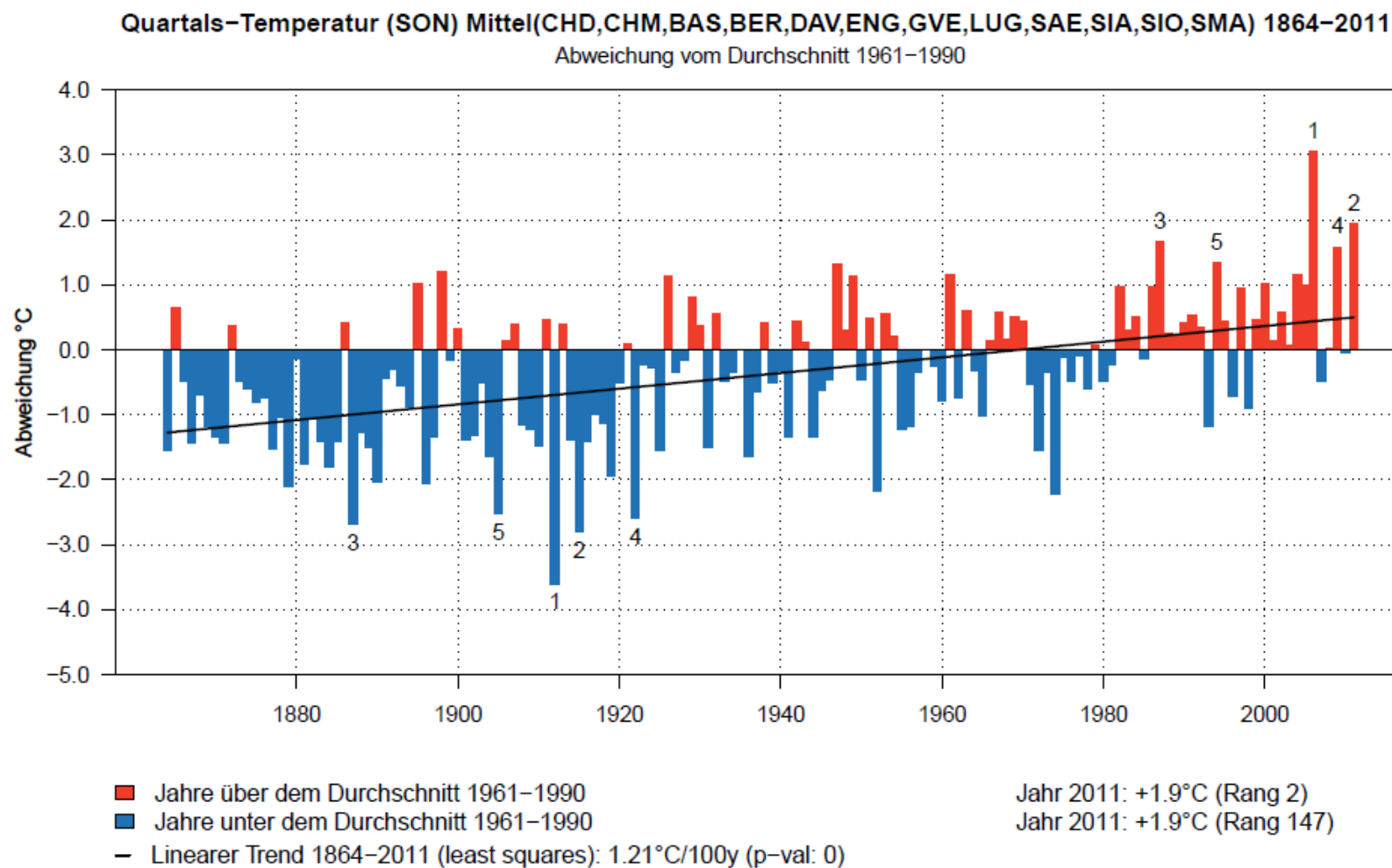


Temperatura: anomalie globali novembre 2011



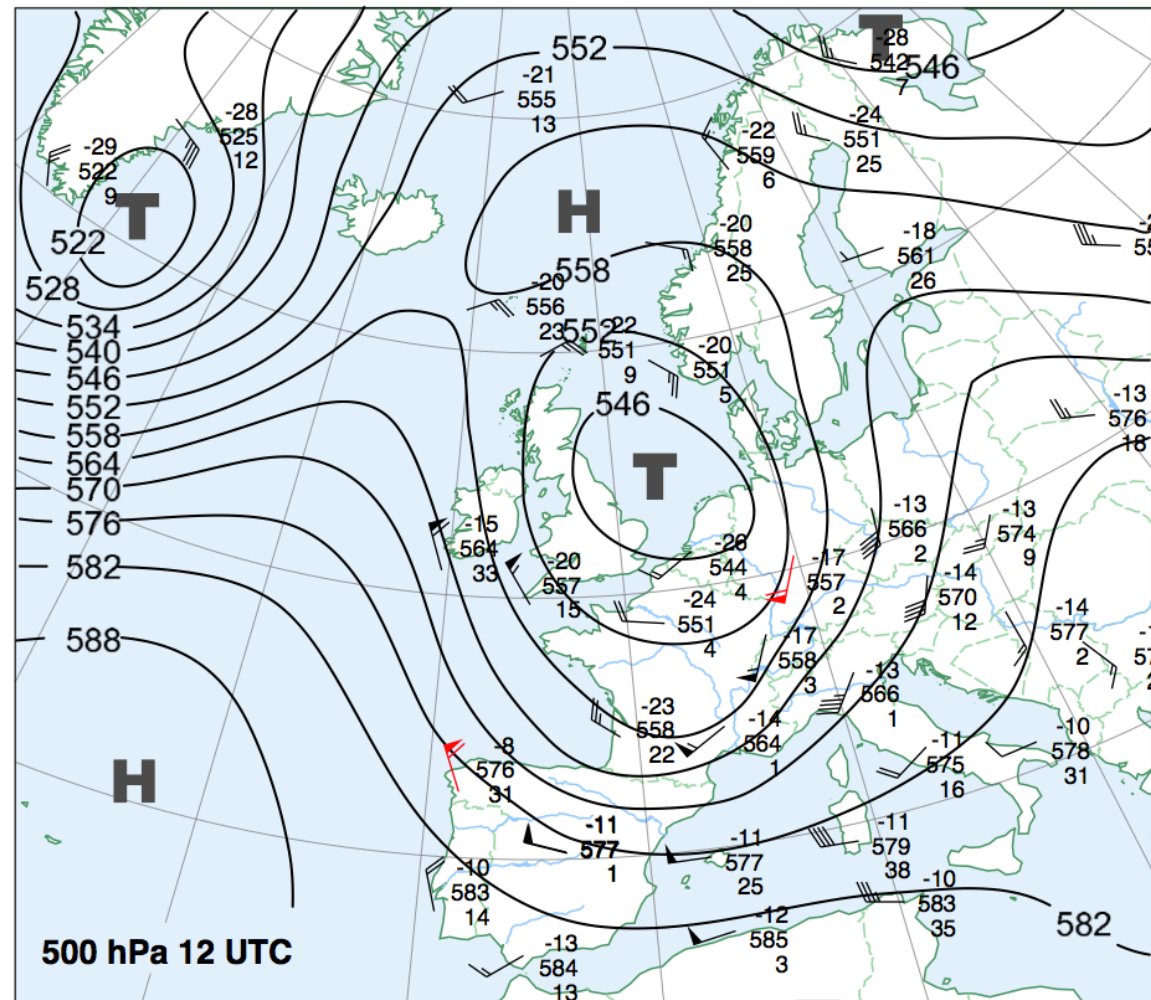


L'autunno CH 2011 rispetto agli altri



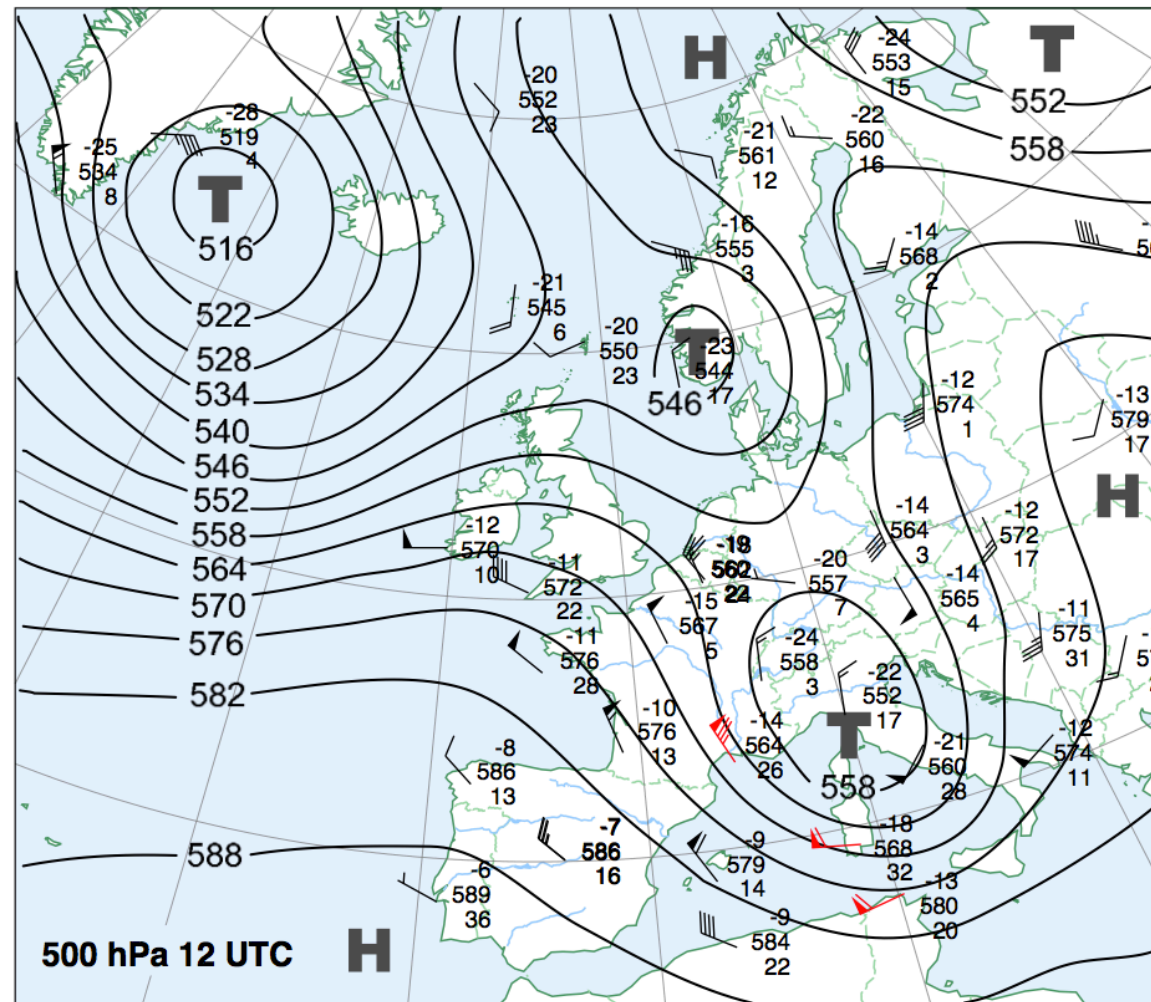


18 settembre 2011: Z@500 hPa



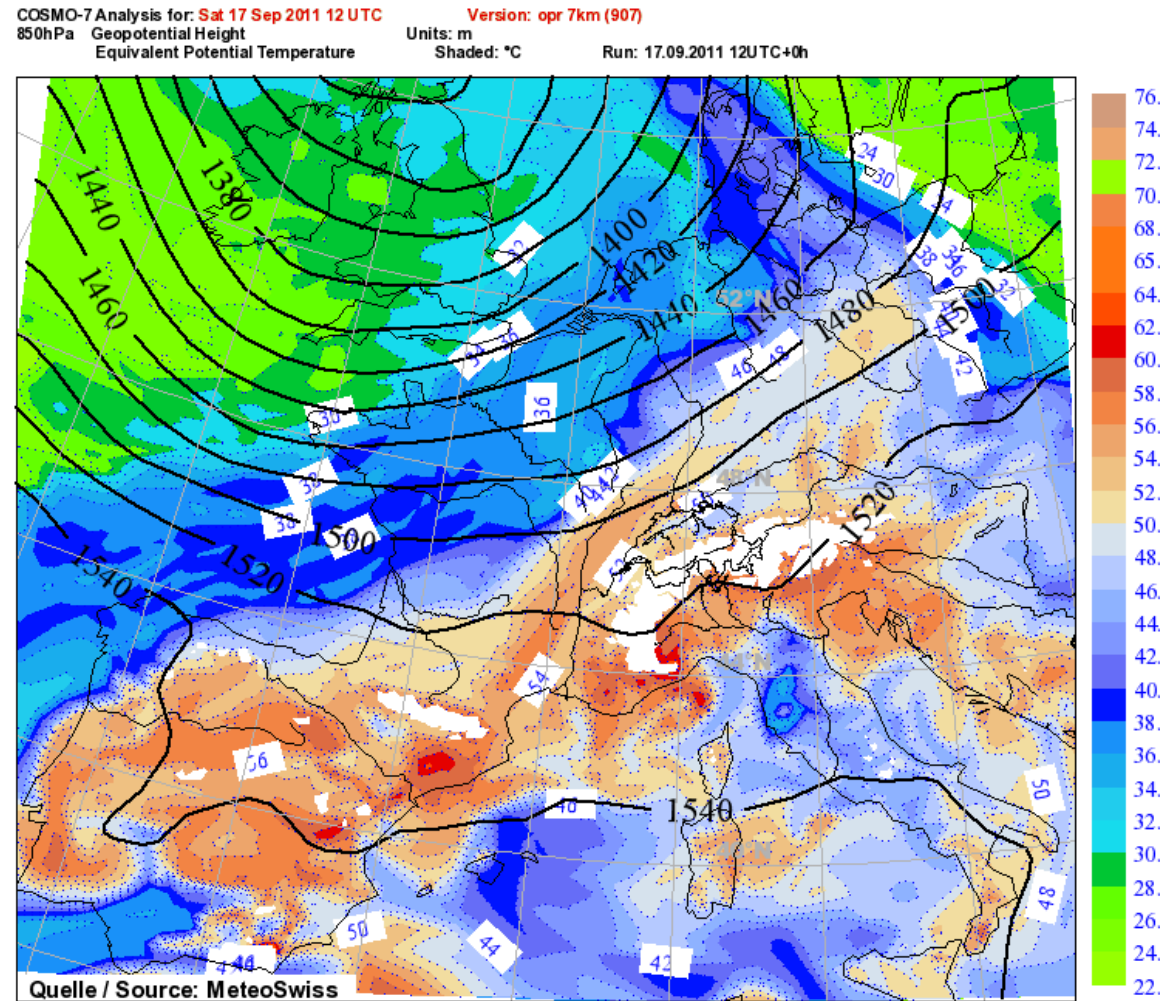


19 settembre 2011: Z@500 hPa





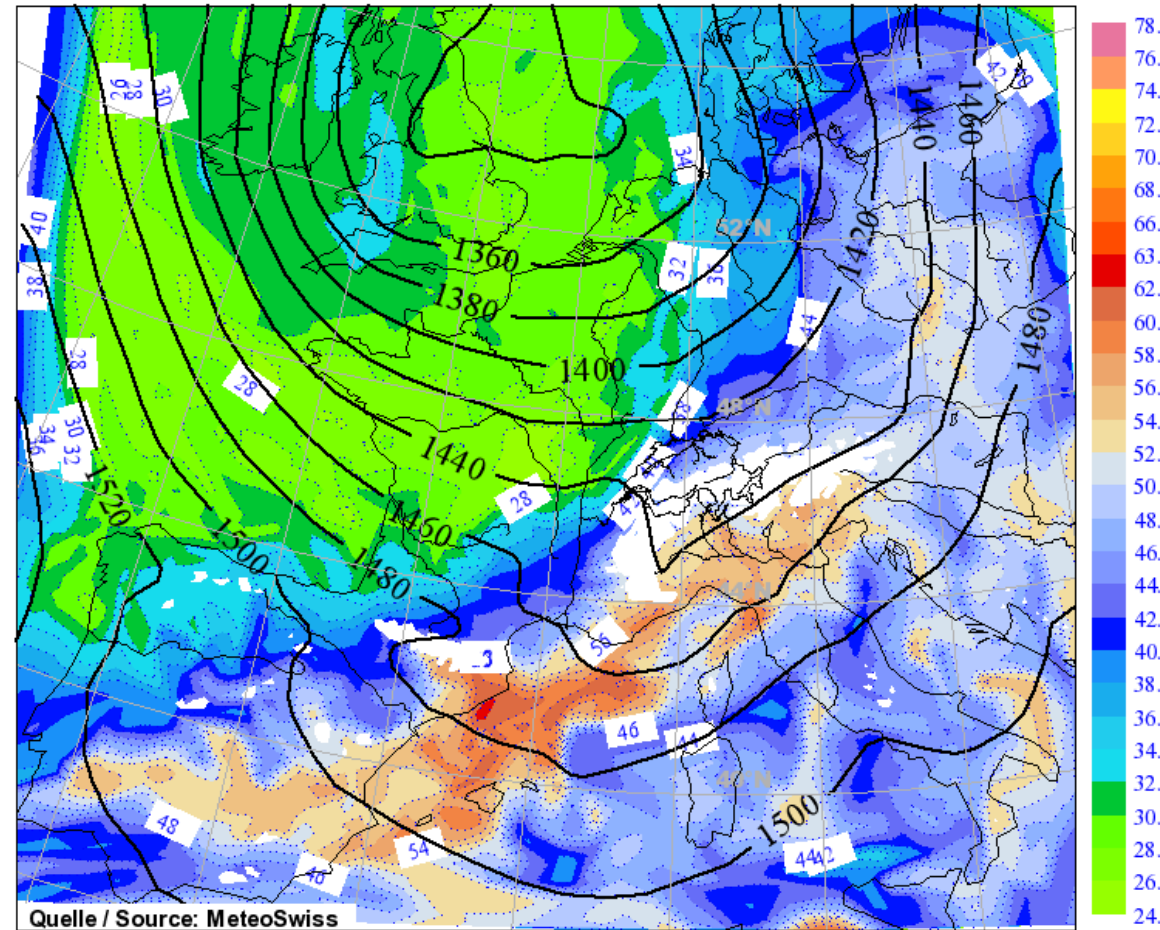
Temperatura equipotenziale 17 12UTC





Temperatura equipotenziale 18 06UTC

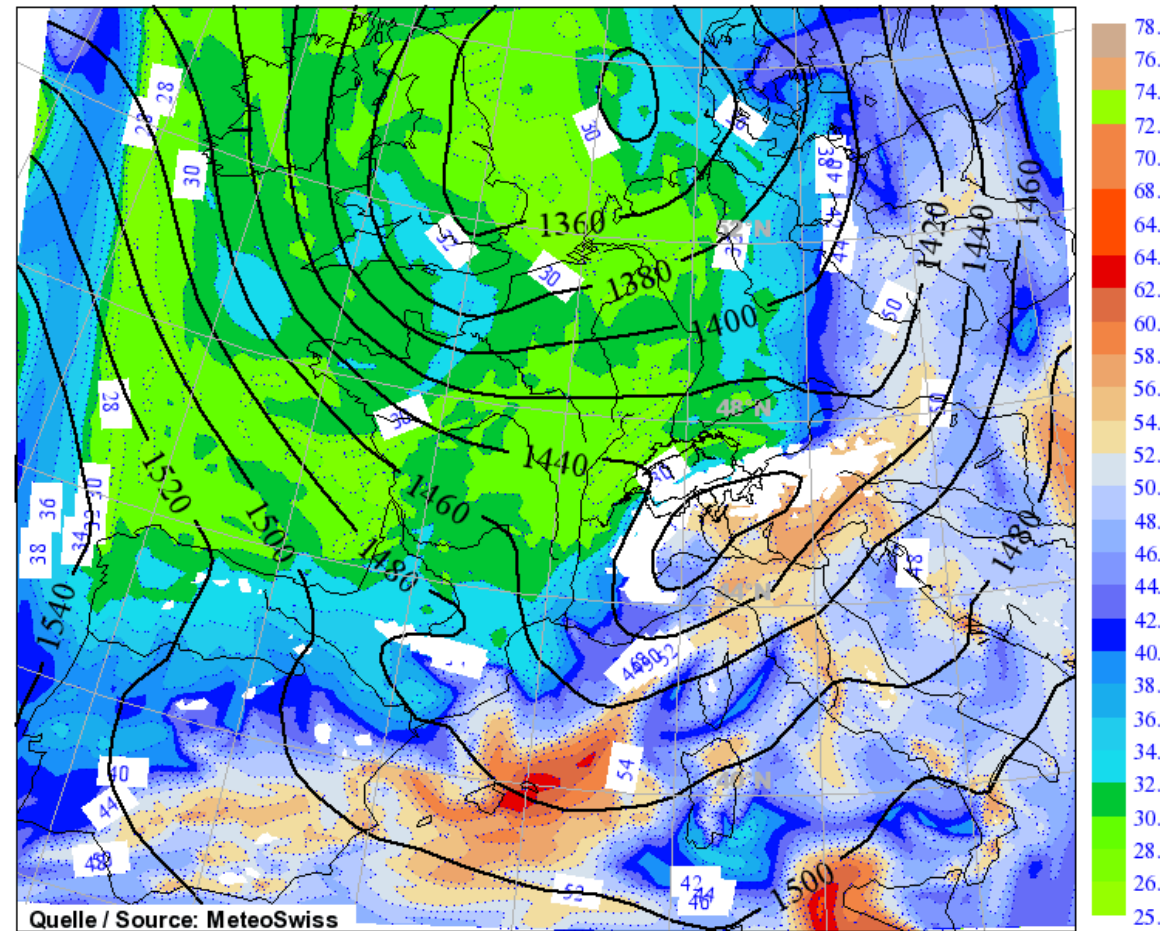
COSMO-7 Analysis for: Sun 18 Sep 2011 06 UTC Version: opr 7km (907)
850hPa Geopotential Height Units: m
Equivalent Potential Temperature Shaded: °C Run: 18.09.2011 06UTC+0h





Temperatura equipotenziale 18 12UTC

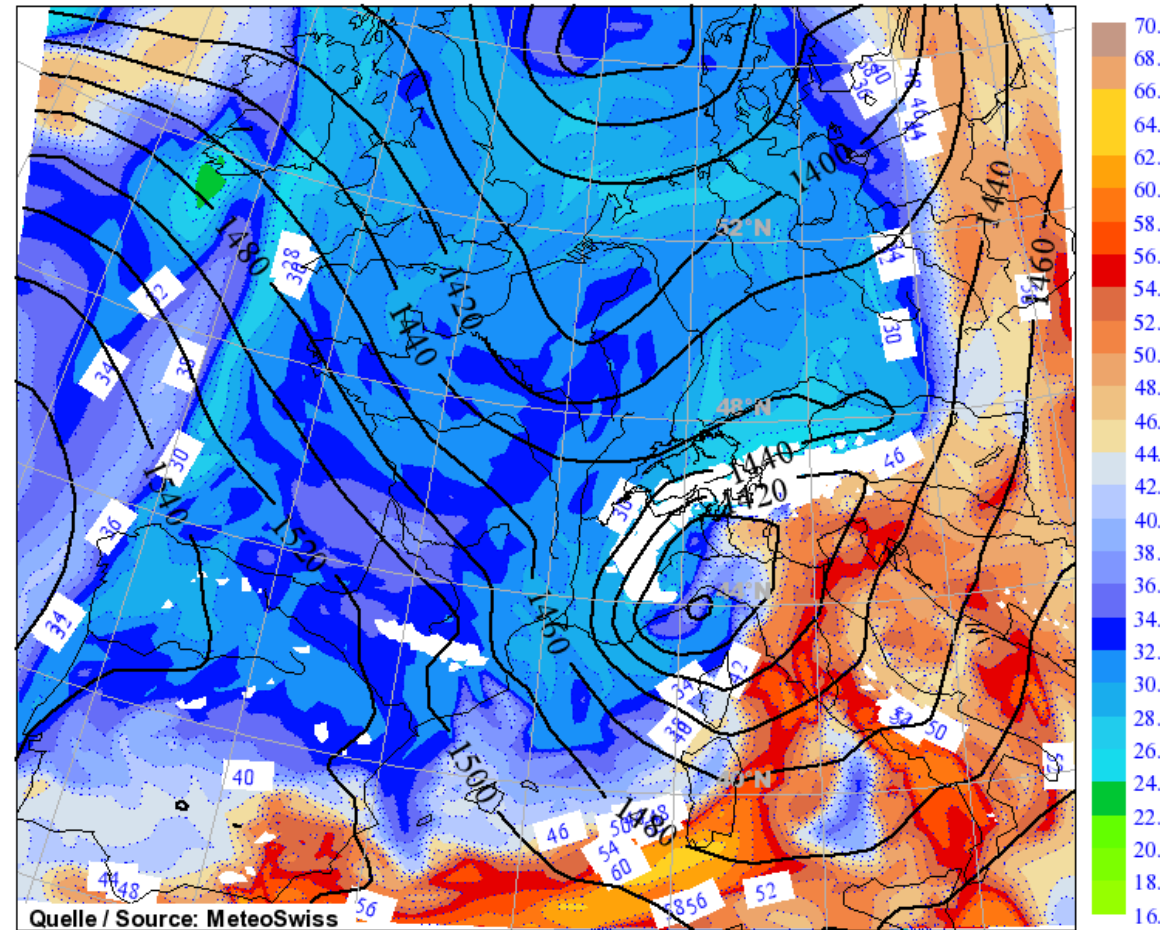
COSMO-7 Analysis for: Sun 18 Sep 2011 12 UTC Version: opr 7km (907)
850hPa Geopotential Height Units: m
Equivalent Potential Temperature Shaded: °C Run: 18.09.2011 12UTC+0h





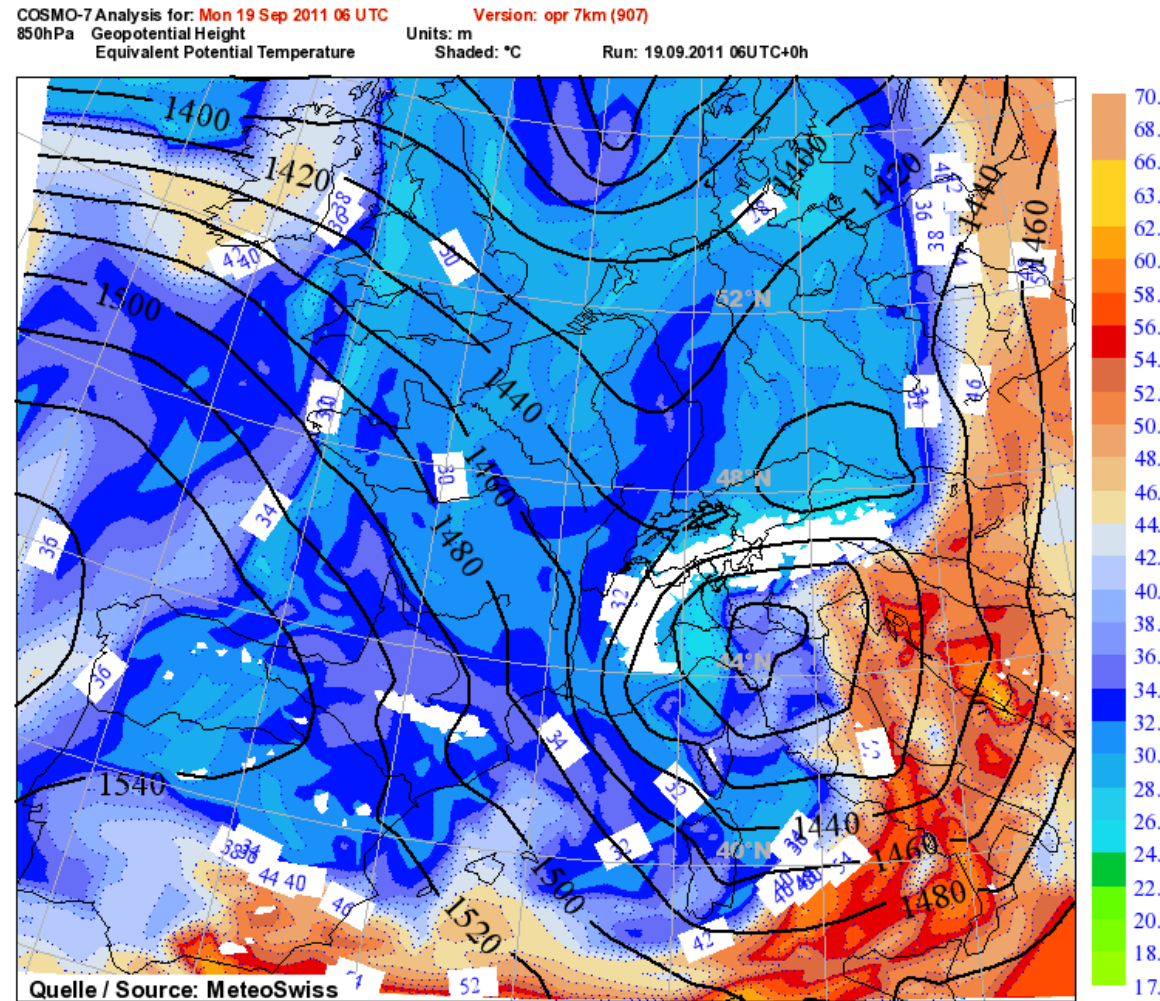
Temperatura equipotenziale 19 00UTC

COSMO-7 Analysis for: **Mon 19 Sep 2011 00 UTC** Version: opr 7km (907)
850hPa Geopotential Height Units: m
Equivalent Potential Temperature Shaded: °C Run: 19.09.2011 00UTC+0h





Temperatura equipotenziale 19 06UTC





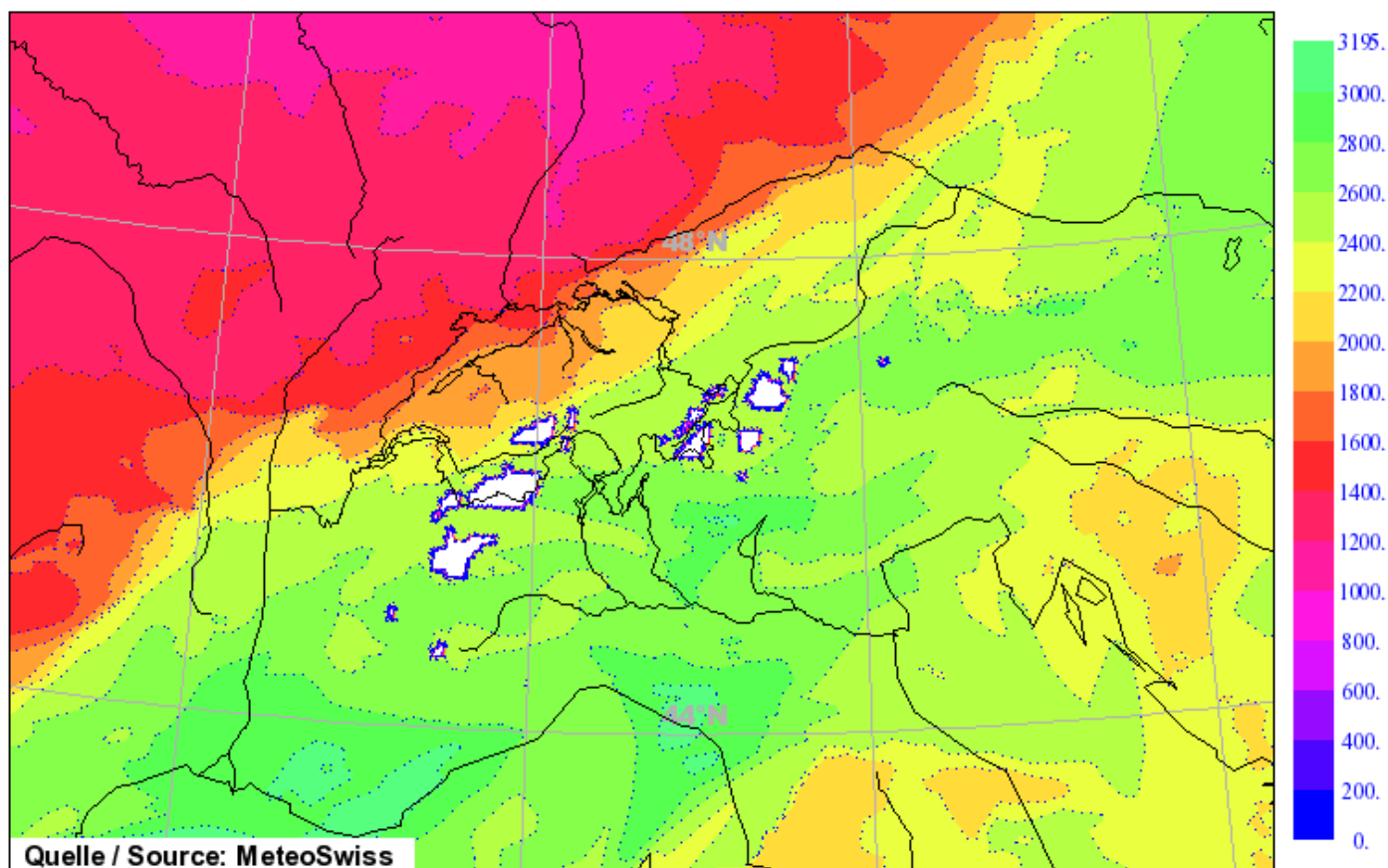
Limite delle nevicate 7 00UTC

COSMO-7 Analysis for: **Fri 7 Oct 2011 00 UTC**
Snowfall limit (1.3°C wet-bulb)

Version: opr 7km (907)

Mean: 2218.862m above MSL

Run: 07.10.2011 00UTC+0h





Limite delle nevicate 7 06UTC

COSMO-7 Forecast for: **Fri 7 Oct 2011 06 UTC**

Version: opr 7km (907)

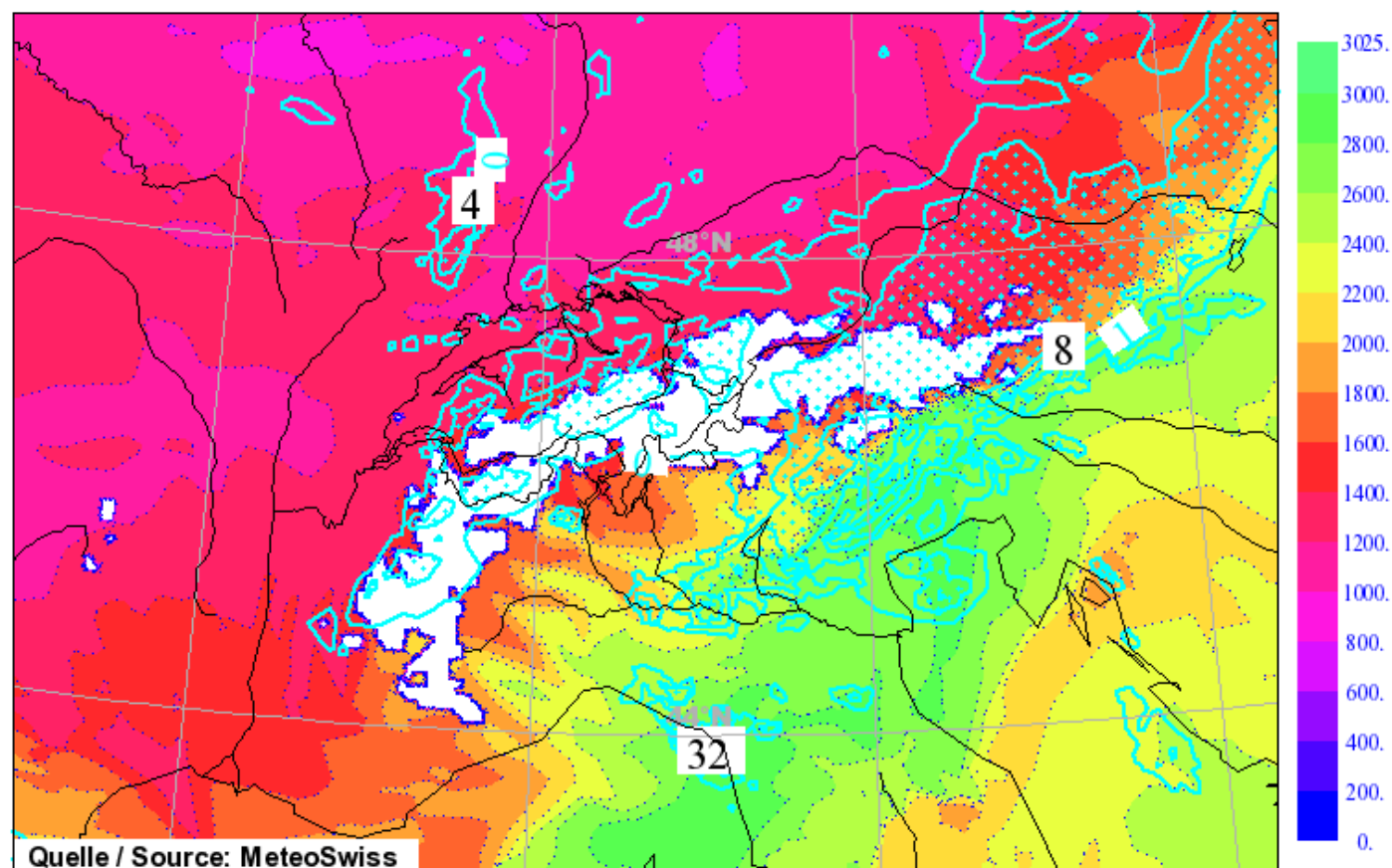
Sum of last hour total rain and snow

Contours at 0.05, 1.0, 5.0, 10.0 mm

Snowfall limit (1.3°C wet-bulb)

Mean: 1665.422m above MSL

Run: 07.10.2011 00UTC+6h





Limite delle nevicate 7 12UTC

COSMO-7 Forecast for: **Fri 7 Oct 2011 12 UTC**

Sum of last hour total rain and snow

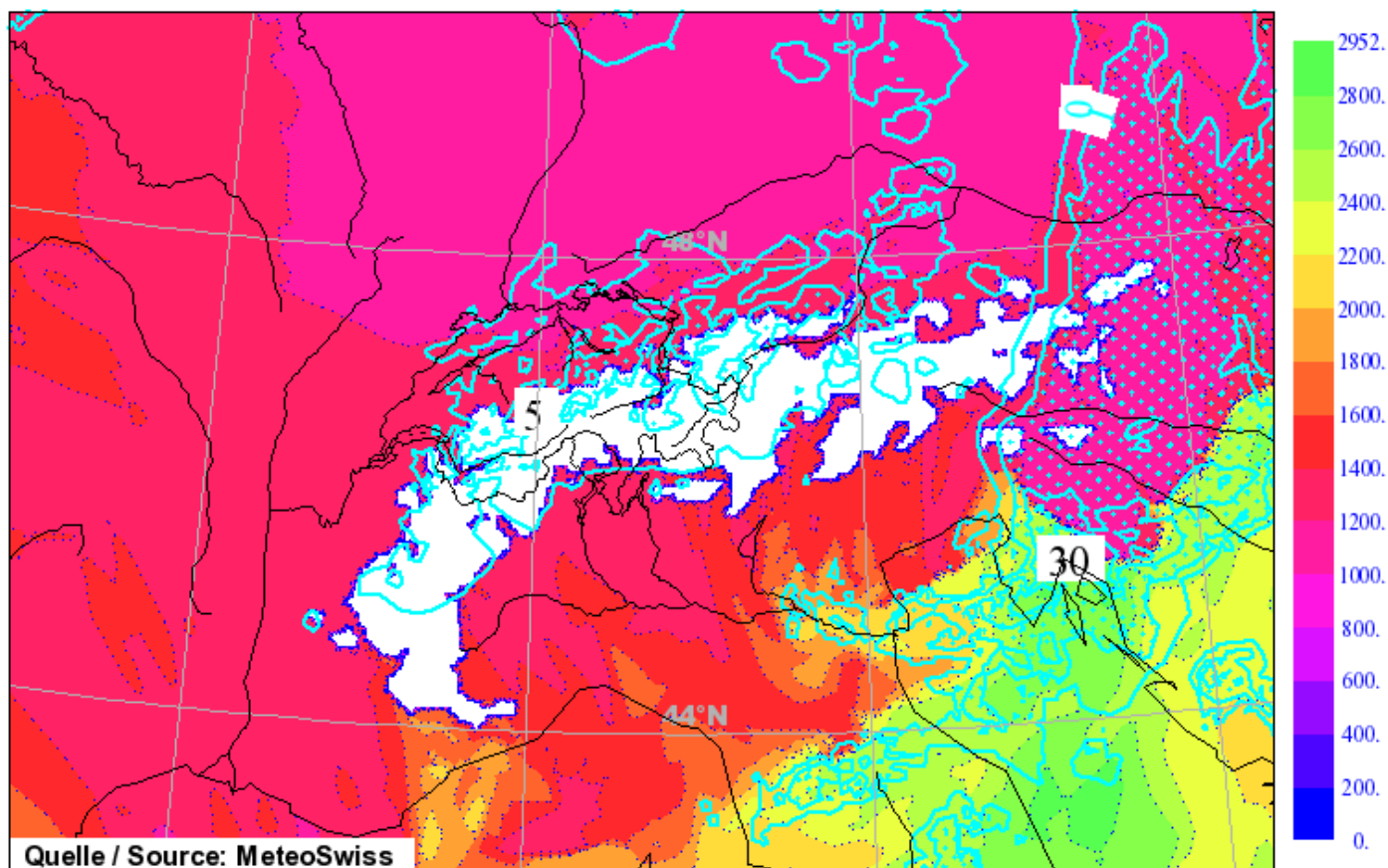
Snowfall limit (1.3°C wet-bulb)

Version: opr 7km (907)

Contours at 0.05, 1.0, 5.0, 10.0 mm

Mean: 1346.986m above MSL

Run: 07.10.2011 00UTC+12h





Limite delle nevicate 7 18UTC

COSMO-7 Forecast for: **Fri 7 Oct2011 18 UTC**

Version: opr 7km (907)

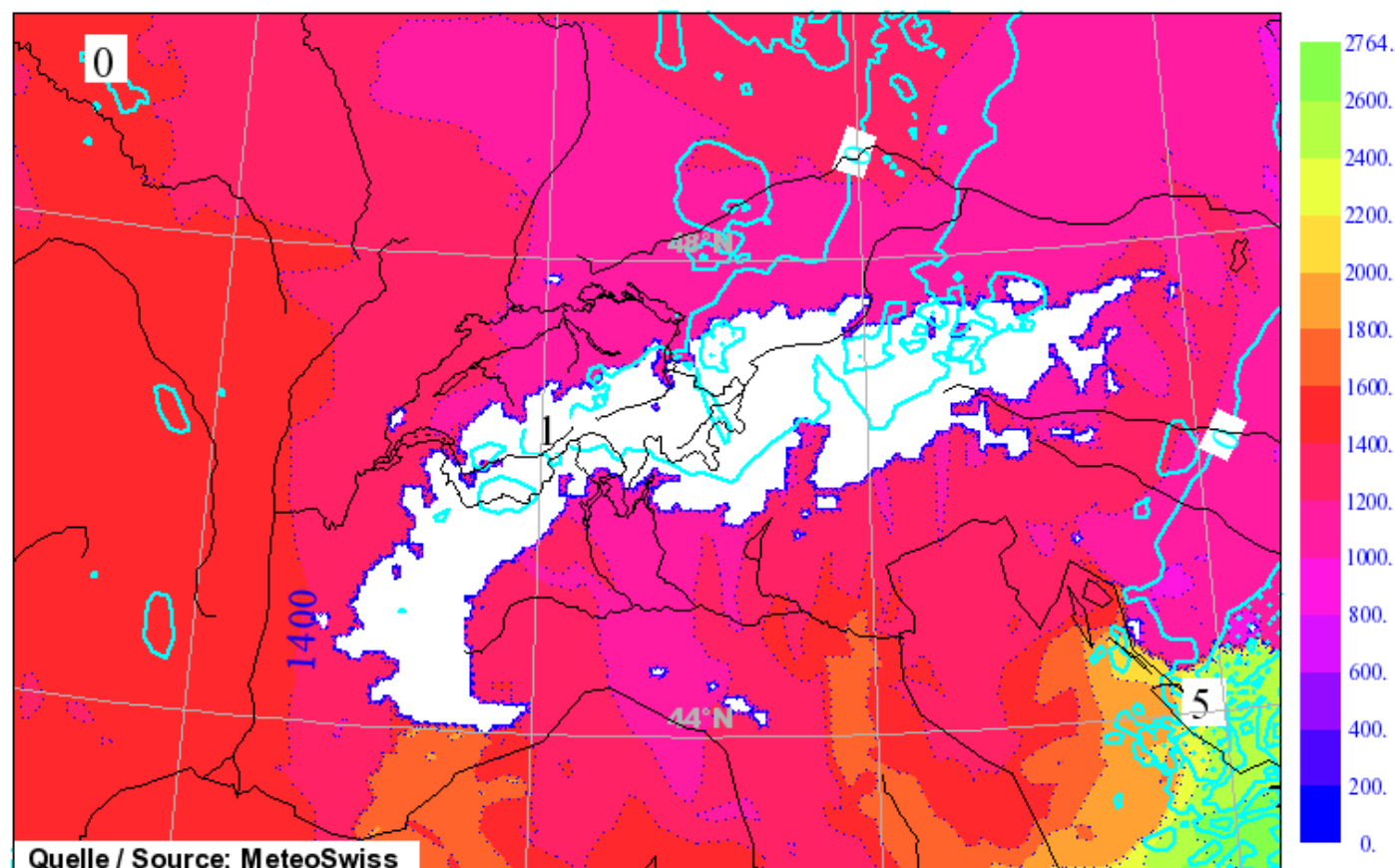
Sum of last hour total rain and snow

Contours at 0.05, 1.0, 5.0, 10.0 mm

Snowfall limit (1.3°C wet-bulb)

Mean: 1151.701m above MSL

Run: 07.10.2011 00UTC+18h





Limite delle nevicate 8 00UTC

COSMO-7 Forecast for: **Sat 8 Oct 2011 00 UTC**

Version: opr 7km (907)

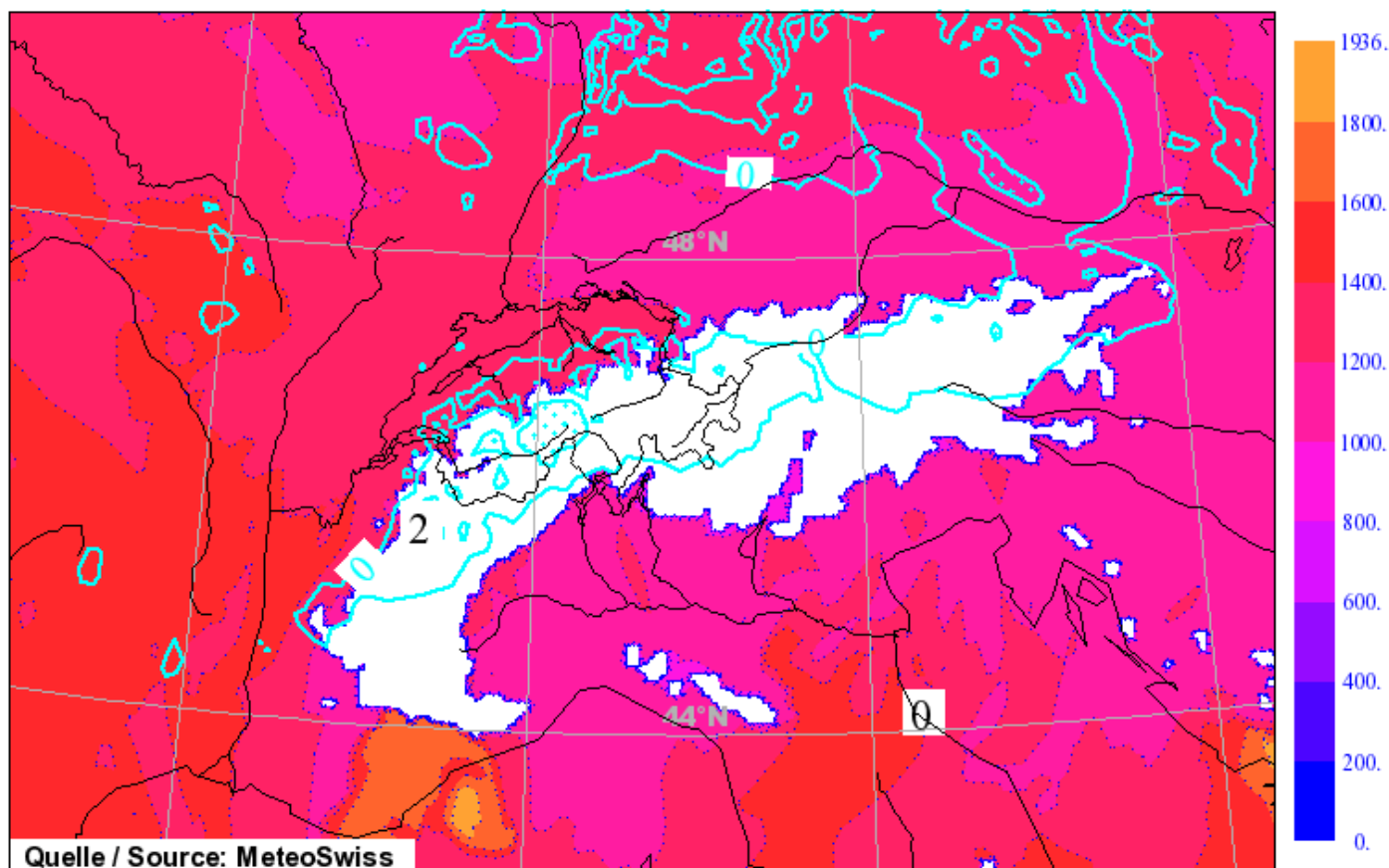
Sum of last hour total rain and snow

Contours at 0.05, 1.0, 5.0, 10.0 mm

Snowfall limit (1.3°C wet-bulb)

Mean: 998.546m above MSL

Run: 07.10.2011 00UTC+24h





Limite delle nevicata 8 06UTC

COSMO-7 Forecast for: **Sat 8 Oct 2011 06 UTC**

Version: opr 7km (907)

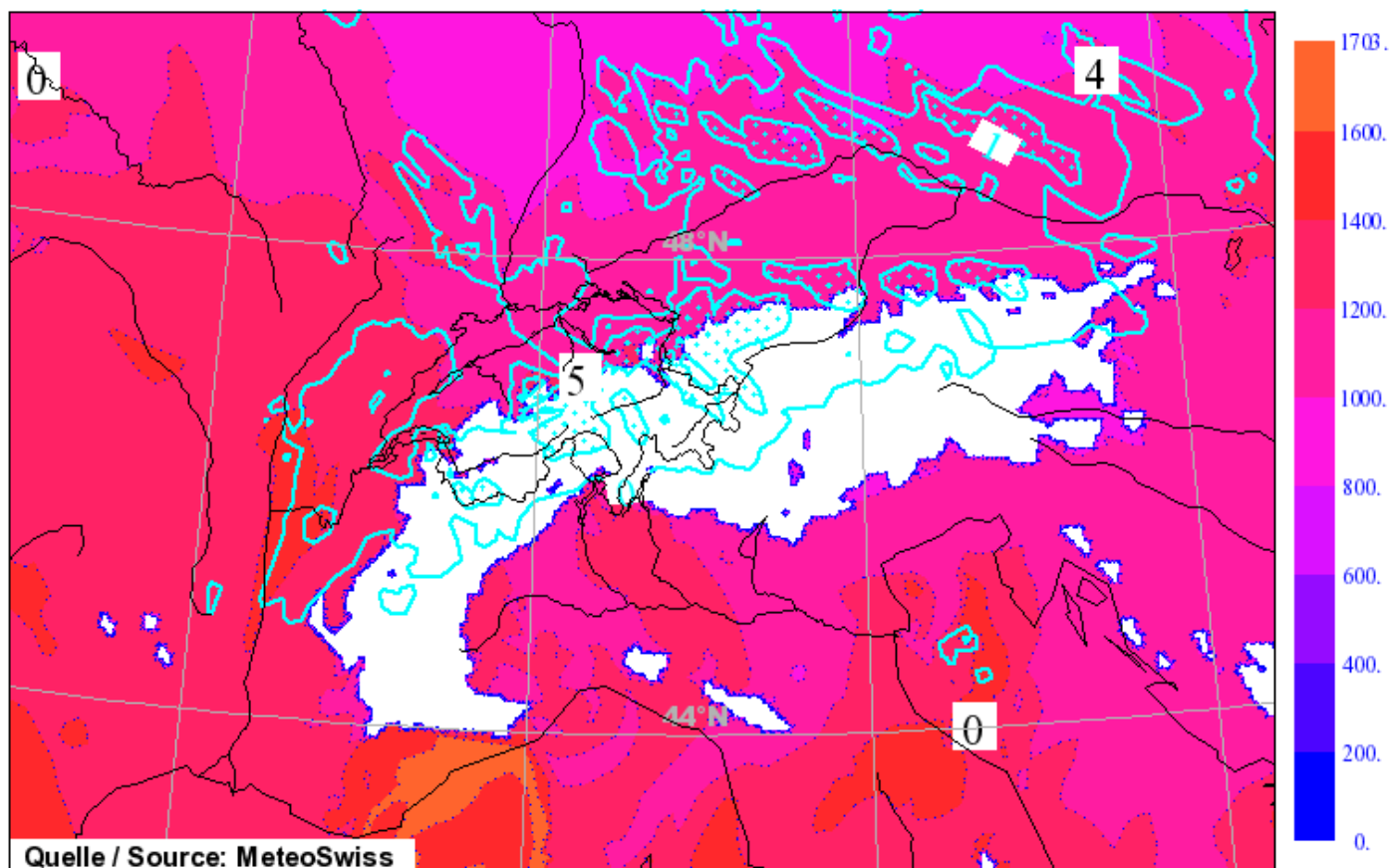
Sum of last hour total rain and snow

Contours at 0.05, 1.0, 5.0, 10.0 mm

Snowfall limit (1.3°C wet-bulb)

Mean: 915.836m above MSL

Run: 07.10.2011 00UTC+30h





Limite delle nevicate 8 18UTC

COSMO-7 Forecast for: **Sat 8 Oct 2011 18 UTC**

Sum of last hour total rain and snow

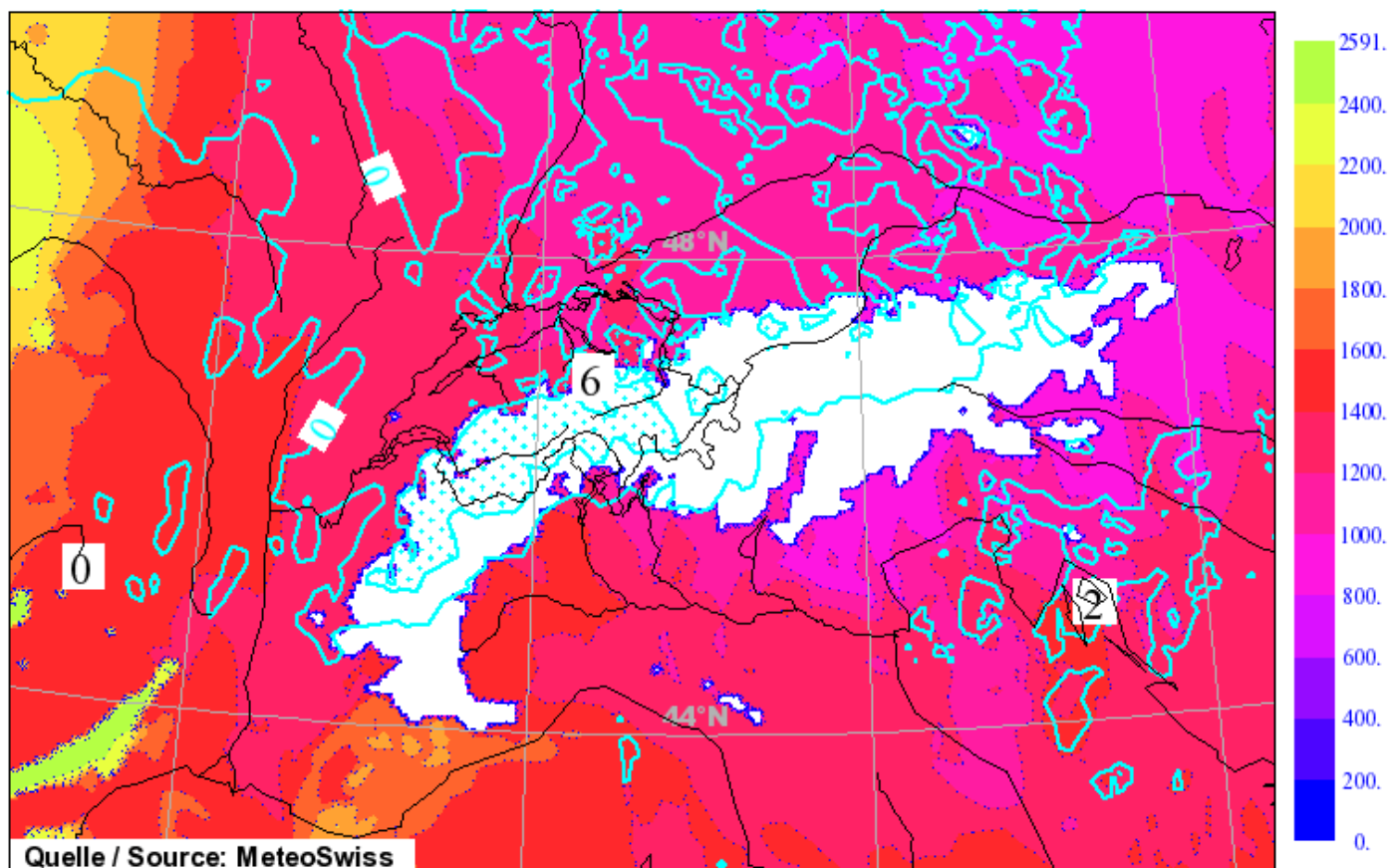
Snowfall limit (1.3°C wet-bulb)

Version: opr 7km (907)

Contours at 0.05, 1.0, 5.0, 10.0 mm

Mean: 1036.312m above MSL

Run: 07.10.2011 00UTC+42h





Limite delle nevicate 9 00UTC

COSMO-7 Forecast for: **Sun 9 Oct 2011 00 UTC**

Sum of last hour total rain and snow

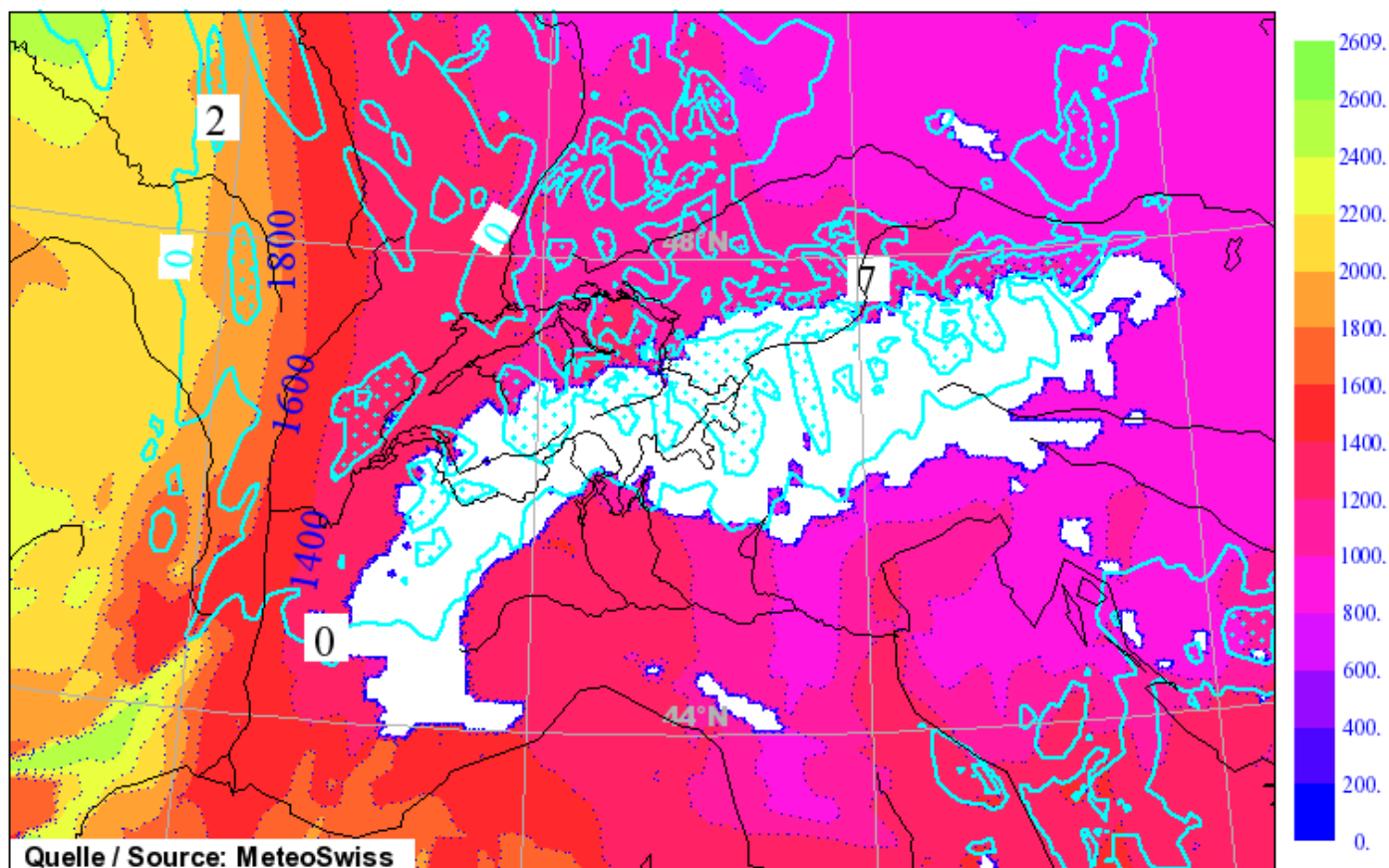
Snowfall limit (1.3°C wet-bulb)

Version: opr 7km (907)

Contours at 0.05, 1.0, 5.0, 10.0 mm

Mean: 1015.356m above MSL

Run: 07.10.2011 00UTC+48h





Limite delle nevicate 9 06UTC

COSMO-7 Forecast for: **Sun 9 Oct 2011 06 UTC**

Sum of last hour total rain and snow

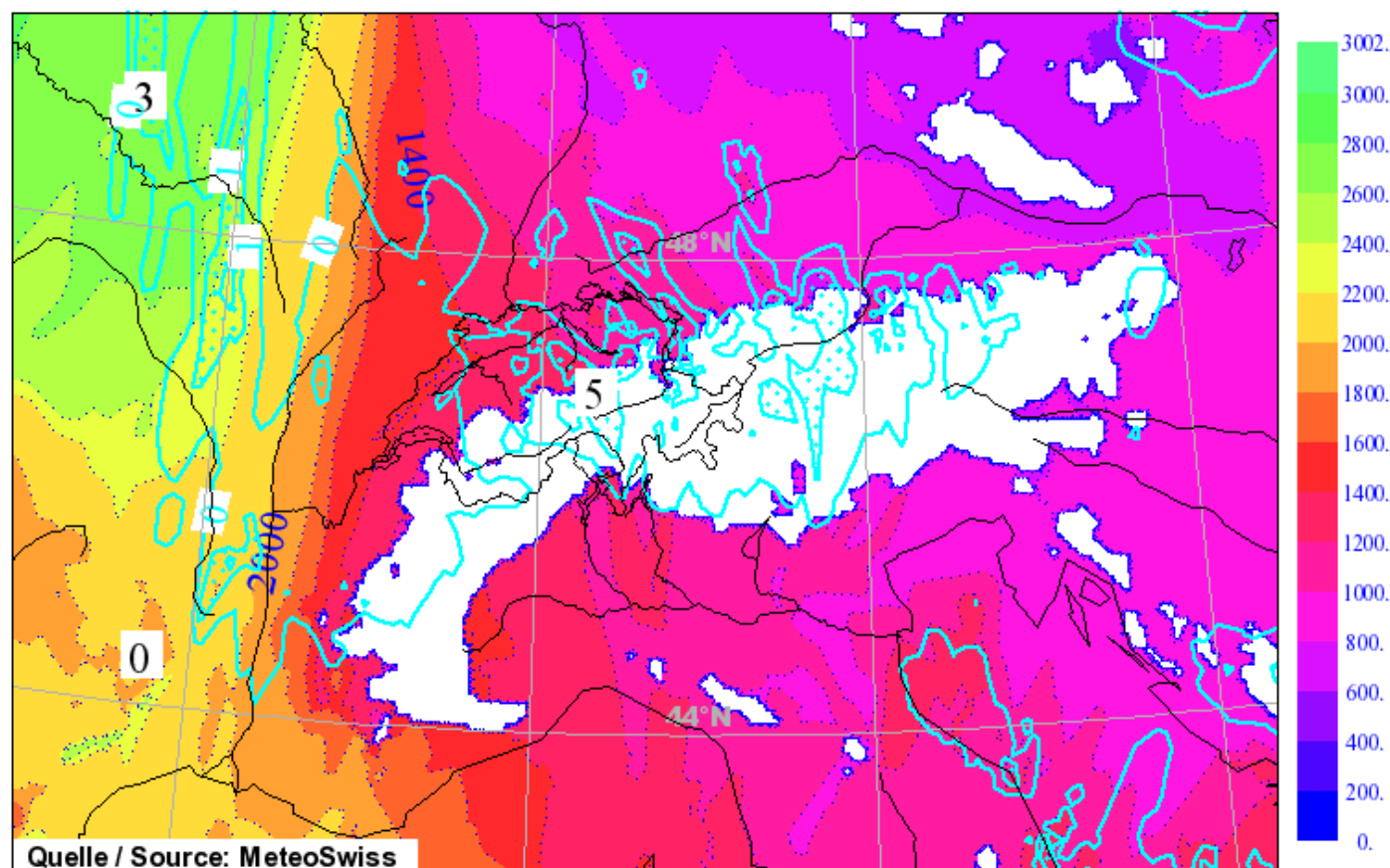
Snowfall limit (1.3°C wet-bulb)

Version: opr 7km (907)

Contours at 0.05, 1.0, 5.0, 10.0 mm

Mean: 1002.967m above MSL

Run: 07.10.2011 00UTC+54h





Limite delle nevicate 9 12UTC

COSMO-7 Forecast for: **Sun 9 Oct 2011 12 UTC**

Sum of last hour total rain and snow

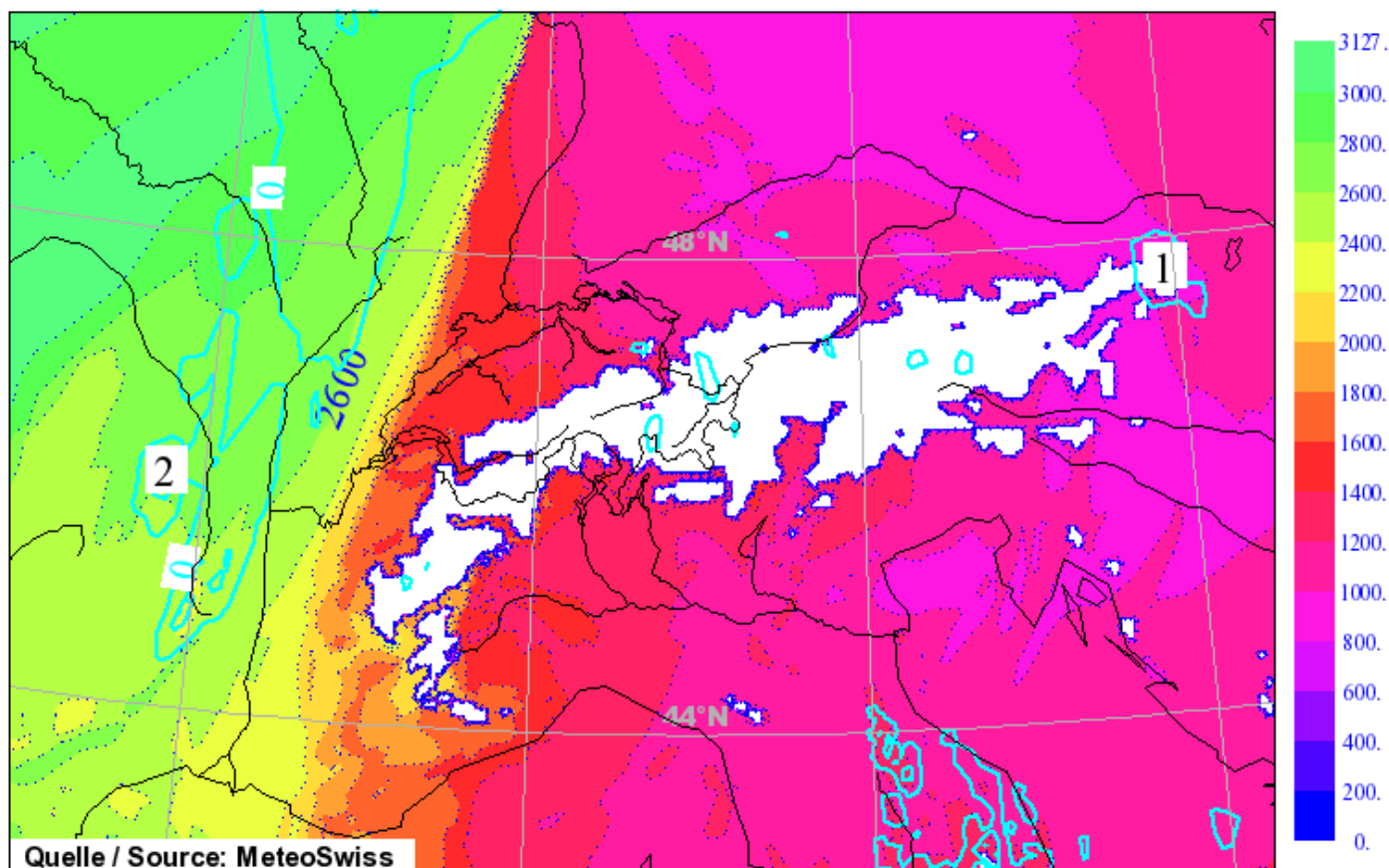
Snowfall limit (1.3°C wet-bulb)

Version: opr 7km (907)

Contours at 0.05, 1.0, 5.0, 10.0 mm

Mean: 1358.205m above MSL

Run: 07.10.2011 00UTC+60h





Limite delle nevicate 9 18UTC

COSMO-7 Forecast for: **Sun 9 Oct 2011 18 UTC**

Sum of last hour total rain and snow

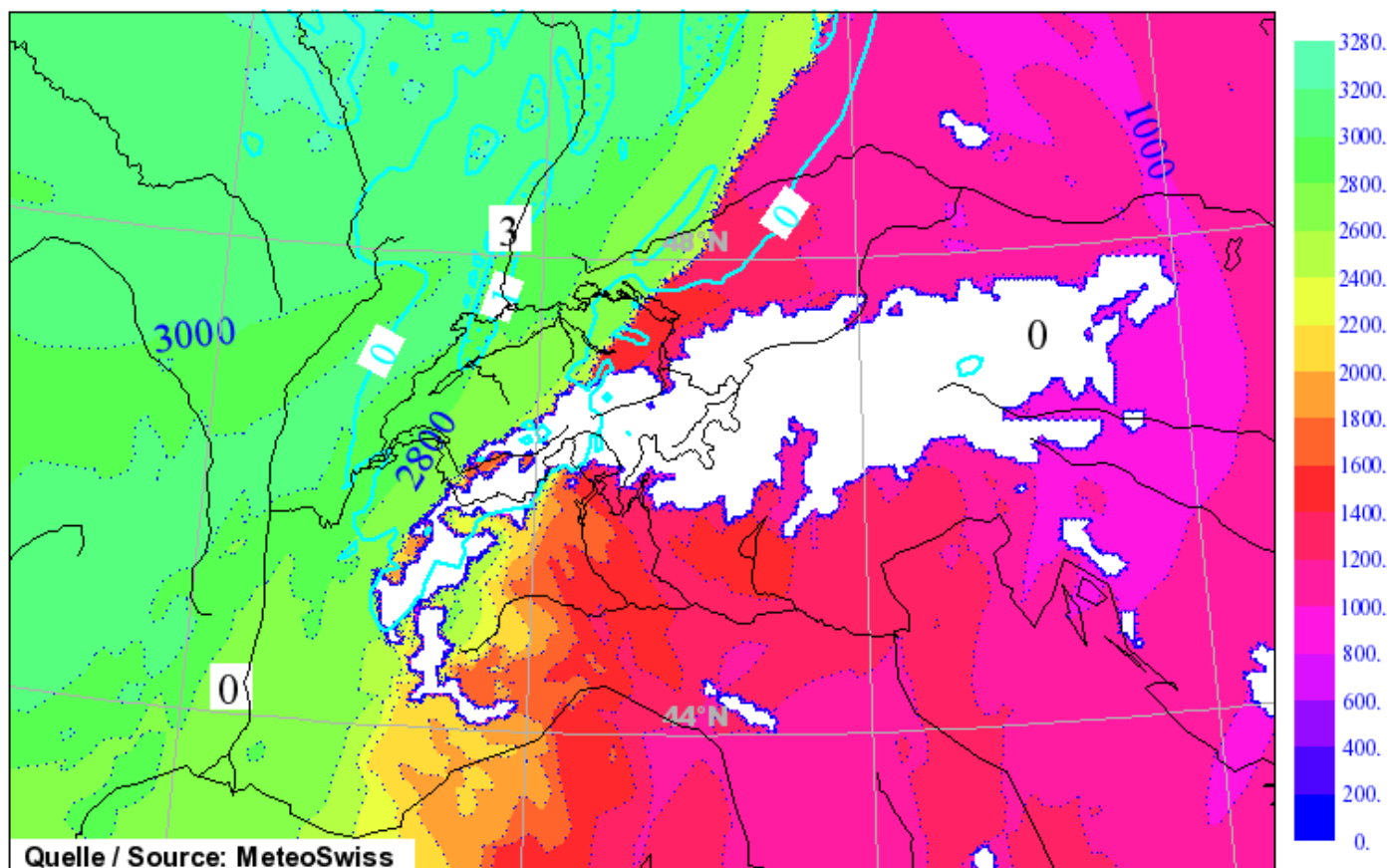
Snowfall limit (1.3°C wet-bulb)

Version: opr 7km (907)

Contours at 0.05, 1.0, 5.0, 10.0 mm

Mean: 1625.786m above MSL

Run: 07.10.2011 00UTC+66h





Limite delle nevicate 10 00UTC

COSMO-7 Forecast for: **Mon 10 Oct 2011 00 UTC**

Version: opr 7km (907)

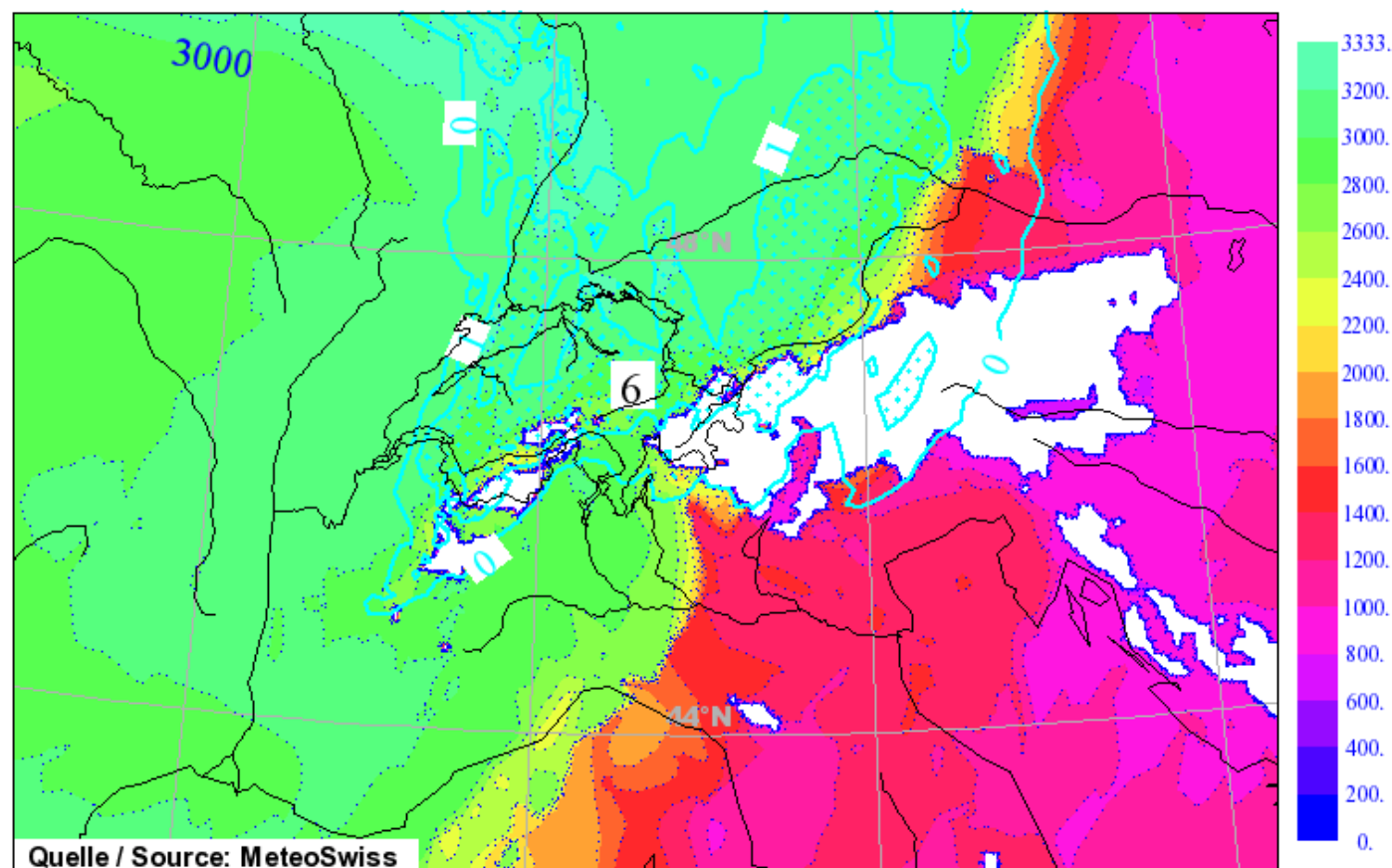
Sum of last hour total rain and snow

Contours at 0.05, 1.0, 5.0, 10.0 mm

Snowfall limit (1.3°C wet-bulb)

Mean: 1944.868m above MSL

Run: 07.10.2011 00UTC+72h





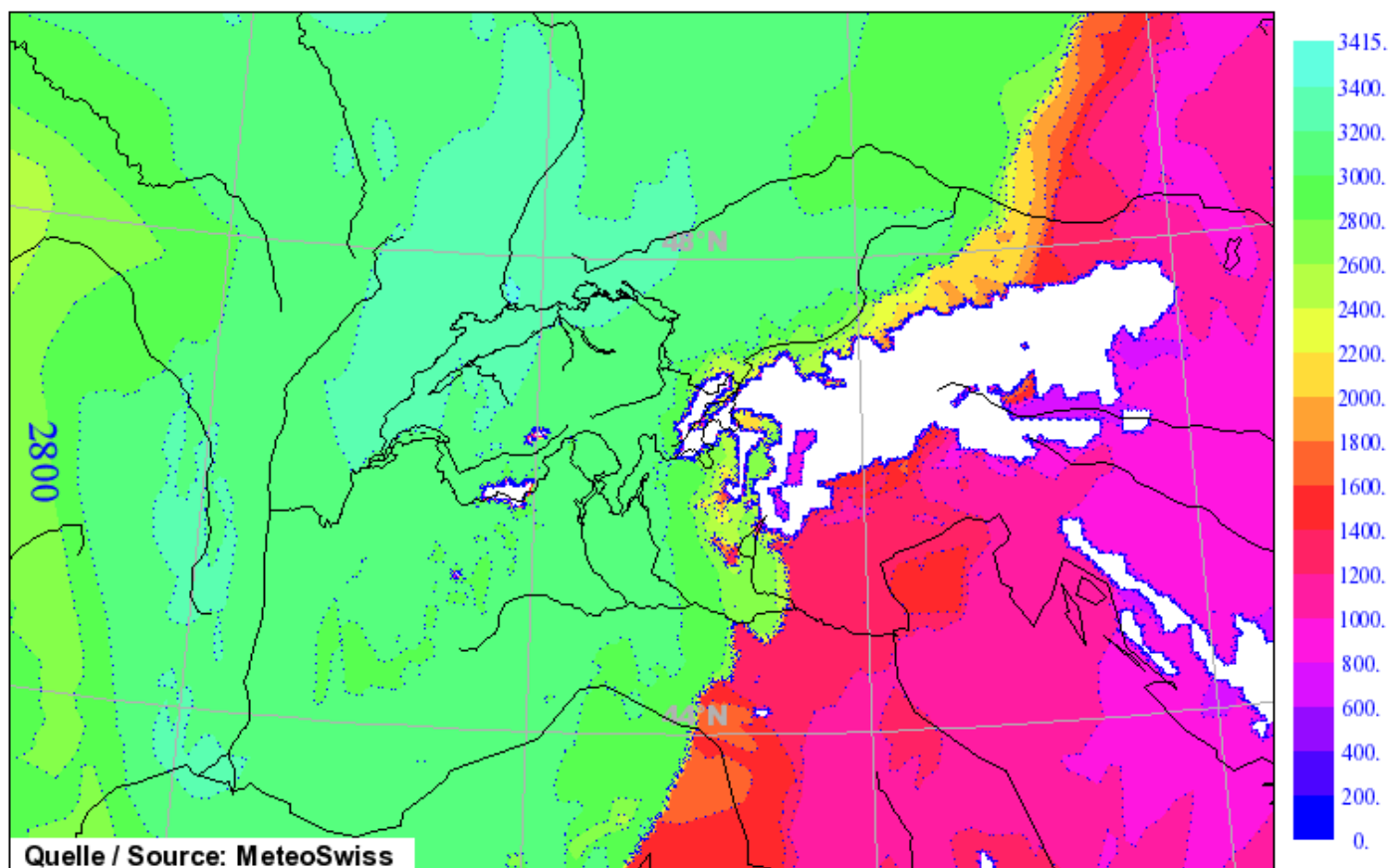
Limite delle nevicate 10 06UTC

COSMO-7 Analysis for: **Mon 10 Oct 2011 06 UTC**
Snowfall limit (1.3°C wet-bulb)

Version: opr 7km (907)

Mean: 2118.539m above MSL

Run: 10.10.2011 06UTC+0h





Limite delle nevicate 10 12UTC

COSMO-7 Forecast for: **Mon 10 Oct 2011 12 UTC**

Version: opr 7km (907)

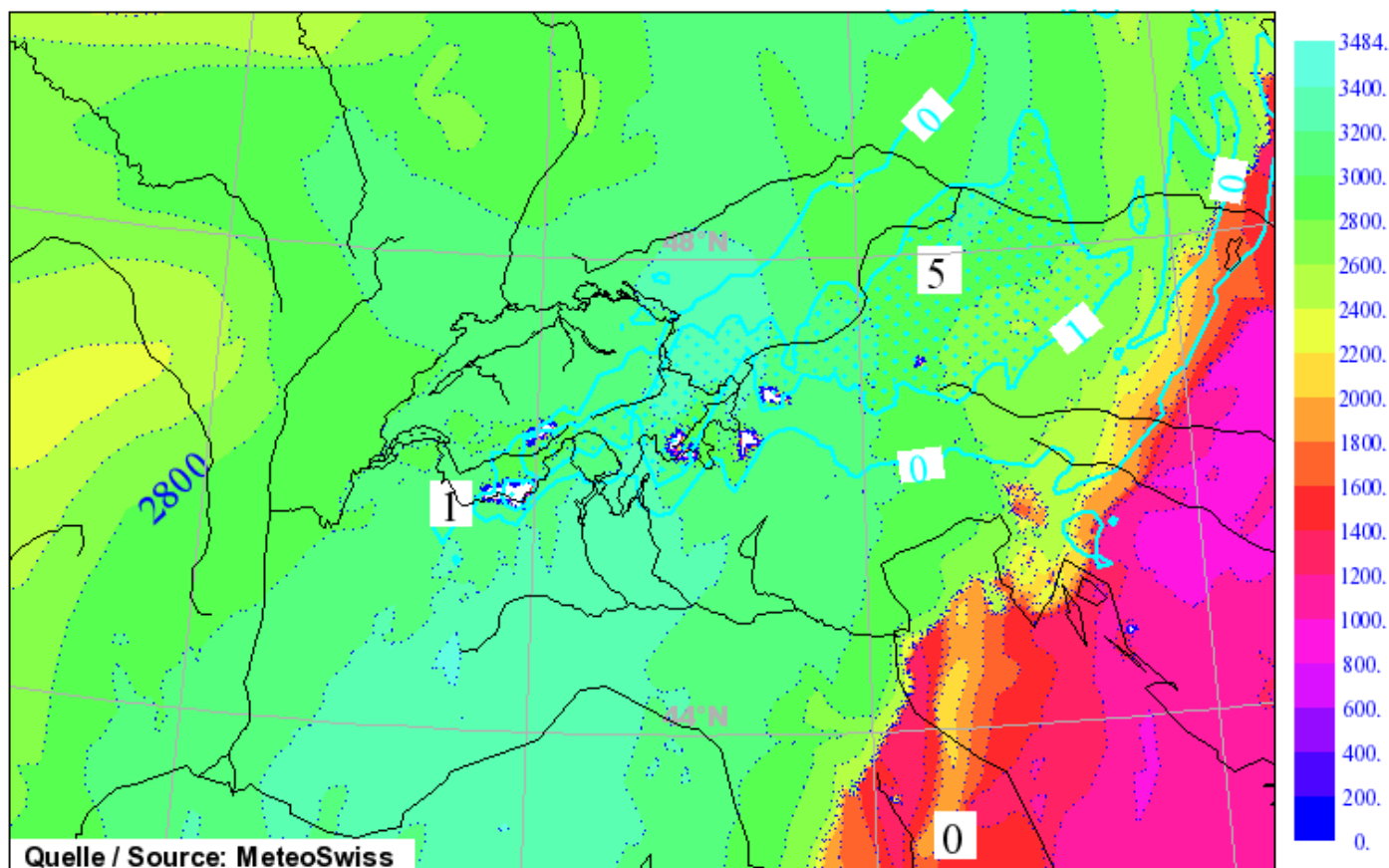
Sum of last hour total rain and snow

Contours at 0.05, 1.0, 5.0, 10.0 mm

Snowfall limit (1.3°C wet-bulb)

Mean: 2600.251m above MSL

Run: 10.10.2011 06UTC+6h





Evoluzione della temperatura e del limite delle nevicate