



Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

Dipartimento federale dell'interno DFI  
**Ufficio federale di meteorologia e climatologia MeteoSvizzera**

# Inverno 2011-2012

Retrospettiva meteoclimatica  
Matteo Buzzi



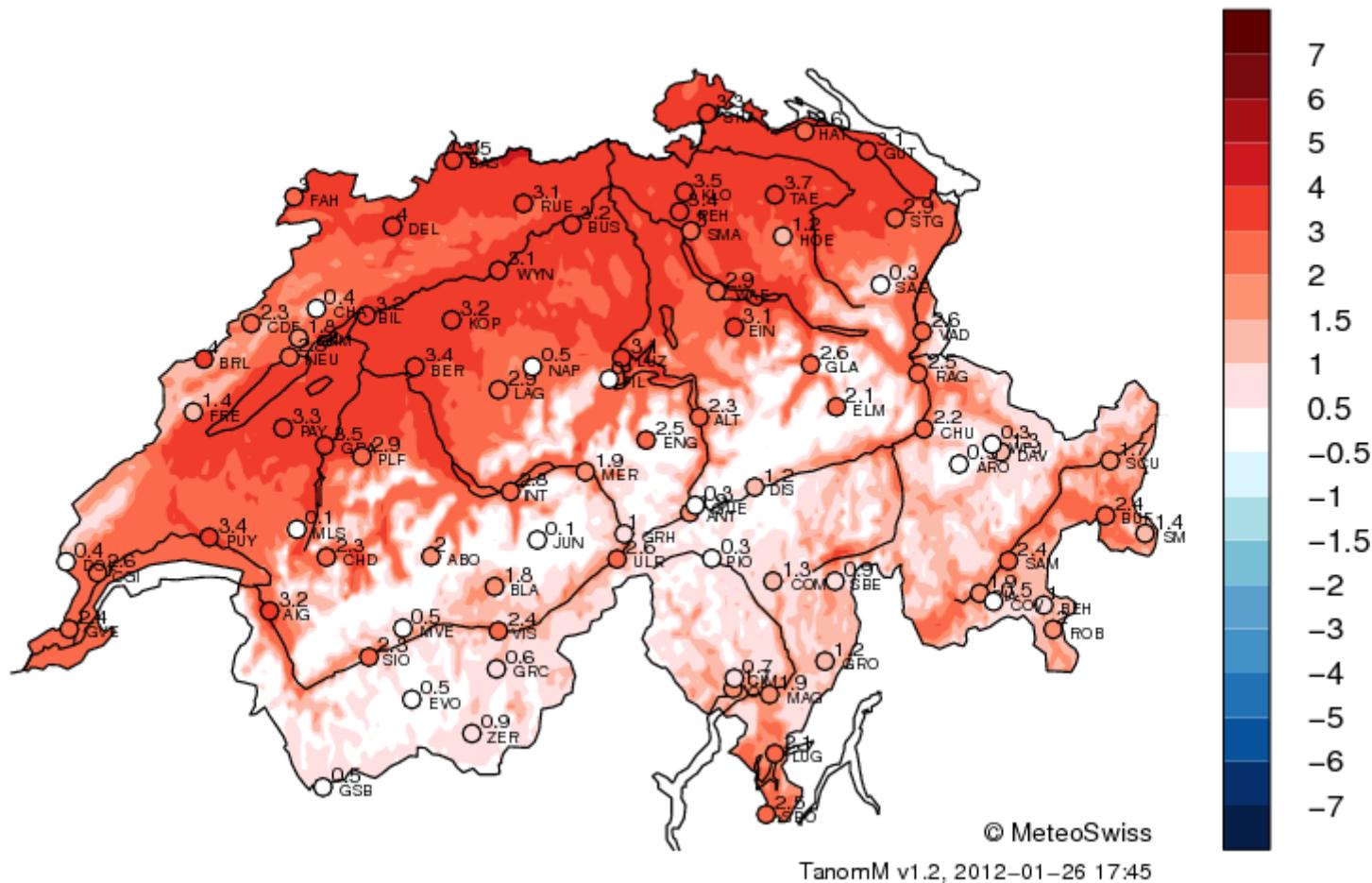
# Panoramica

- Andamento rispetto ai valori normali 1961-1990
  - Temperatura
  - Precipitazioni
  - Soleggiamento
- Situazioni meteorologiche preponderanti
  - Distribuzione nell ‘autunno 2010
- Alcuni casi interessanti



# Temperatura: dicembre 2011

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





# Evoluzione per stazione

Abweichung vom Temperaturmittel (degC)

Dezember 2011

Referenzperiode: 1961 – 1990

	N/NW-CH	Mittelland West	Mittelland Zentral/Ost	Täler Alpennordhang	Jura	Berglagen	Täler GR	Wallis	Alpensüdseite	
1	SHA RUE BAS FAH	GVE PUY NEU BER	WYN LUZ BUS GUT KLO TAE SMA STG	CHU VAD ALT ENG ABC	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	4.5 6.0 4.7 7.5 4.2 5.0 5.0 3.2 3.9 0.9 4.1 2.7 4.5 5.4 4.5 6.3 5.1 4.3 0.0 4.6 5.6 6.7 5.7 5.1 6.3 5.4 6.8 6.4 5.9 6.6 4.3 3.2 3.2 NA 6.1 3.8 0.7 2.0 5.3 5.1 0.8 1.4 3.1 -0.9 1.3 1.4 0.9 1.1									2
3	4.2 7.5 4.5 6.6 6.9 7.5 4.6 4.2 3.5 4.0 4.2 5.1 5.1 7.3 6.6 7.5 8.6 10.8 10.6 5.2 5.3 6.9 3.9 4.5 4.0 5.1 4.8 5.4 4.0 5.2 6.2 4.1 6.4 NA 7.9 7.1 7.5 4.7 5.7 3.9 2.7 3.3 2.0 1.5 2.5 2.6 3.4 4.7									3
4	4.7 3.7 4.5 3.2 4.4 5.1 4.1 5.0 4.9 4.6 4.6 5.2 5.1 5.3 4.5 4.4 5.7 5.1 4.9 4.3 3.4 2.9 -0.3 0.0 -0.2 0.9 0.6 1.6 2.8 2.1 4.5 6.9 8.8 NA 3.8 6.0 5.8 6.3 2.2 3.2 4.0 3.6 2.2 3.0 2.9 3.0 3.6 5.4									4
5	8.1 7.8 9.2 6.9 6.4 6.3 6.7 7.6 7.5 6.9 7.8 8.4 8.3 8.5 7.7 8.3 6.8 7.4 5.9 8.2 7.2 6.9 3.4 3.0 2.8 4.6 2.9 3.7 4.3 3.4 5.8 7.2 8.2 NA 6.8 6.4 5.5 6.3 4.5 4.4 4.6 2.7 2.7 2.1 2.6 2.8 3.1 4.5									5
6	4.1 2.5 3.6 2.0 4.7 5.1 4.0 4.6 4.6 4.8 4.3 3.8 4.3 4.1 3.6 2.3 4.2 4.1 4.9 3.9 1.7 2.2 -1.3 -0.8 -2.1 -0.4 -2.5 -1.7 -1.8 -2.6 3.0 5.4 6.8 NA 2.1 5.7 6.2 5.6 1.5 2.3 4.8 2.4 1.2 2.4 4.3 4.8 5.4 8.4									6
7	2.4 1.5 2.9 1.6 2.5 3.6 2.4 3.7 3.1 4.3 2.9 2.5 3.0 2.7 2.2 0.8 0.2 1.1 1.7 2.2 0.3 1.2 -1.9 -1.7 -3.3 -1.4 -3.7 -3.0 -4.0 -5.1 -0.5 1.5 2.2 NA -1.5 2.9 4.2 3.6 -1.3 -0.7 1.2 -0.9 -1.4 0.0 1.3 2.2 2.6 2.6									7
8	4.6 3.7 5.3 3.9 4.6 5.3 3.8 5.7 5.0 6.9 4.8 4.6 5.0 5.0 4.3 3.4 0.4 2.4 4.0 4.7 2.8 3.1 0.5 0.5 -0.4 0.8 -0.4 -0.5 -0.7 -1.0 2.3 3.0 5.9 NA 0.3 5.9 6.2 5.5 0.8 1.7 2.0 1.0 0.9 0.4 2.1 3.2 1.7 2.1									8
9	4.2 3.2 4.7 3.9 3.5 4.8 4.9 4.9 4.0 4.1 4.2 4.0 4.5 4.7 3.9 3.2 3.6 5.2 4.2 2.1 2.1 2.9 -0.4 0.2 0.2 0.5 0.1 -0.3 -0.4 -0.1 1.2 1.9 4.3 NA 0.6 3.8 5.5 5.7 1.3 1.5 5.0 1.6 3.5 1.5 4.7 6.7 6.2 5.8									9
10	7.5 7.6 9.0 7.0 4.3 5.2 6.6 7.4 7.3 5.3 7.5 8.4 7.8 8.6 8.0 7.7 3.1 5.2 2.6 4.1 5.5 6.1 2.9 2.4 2.0 3.7 2.0 2.2 3.5 3.6 1.4 1.2 4.2 NA 2.8 -0.7 1.9 2.0 1.4 1.7 1.7 0.5 1.8 -0.3 1.5 1.9 2.2 2.7									10
11	5.6 4.5 4.0 3.3 5.7 6.3 7.7 9.4 7.9 6.6 6.8 4.8 6.7 6.6 6.6 5.4 5.1 5.6 5.2 6.6 6.3 6.5 3.3 2.9 2.1 4.2 1.9 2.7 3.7 1.9 3.8 3.7 2.7 NA 3.7 0.1 1.9 2.3 2.9 1.4 1.8 0.7 1.9 -1.1 2.4 3.3 2.8 3.5									11
12	3.8 3.6 3.1 3.1 2.6 4.8 4.5 5.1 4.5 4.9 4.4 3.4 4.5 3.9 3.6 2.4 3.3 3.2 2.7 4.2 2.5 5.4 2.6 2.4 0.9 3.3 1.0 1.9 1.9 2.8 2.0 2.8 3.3 NA 4.3 0.2 -0.2 1.8 1.9 0.9 1.6 0.8 0.5 -1.2 1.8 1.4 1.7 1.7									12
13	4.1 3.4 3.9 3.6 3.0 4.3 3.2 3.1 2.8 3.2 3.6 2.9 3.8 3.2 3.1 3.3 5.0 1.3 4.0 2.7 1.6 2.6 -0.3 -0.6 -1.3 0.5 -1.1 -0.6 -0.6 -1.8 1.3 2.7 4.5 NA 4.0 4.9 3.3 2.7 0.0 0.6 2.8 2.0 -0.3 1.5 2.0 1.4 2.6 4.9									13
14	3.4 5.0 4.4 5.2 1.9 2.5 3.3 2.4 2.9 2.0 3.1 2.7 3.7 3.8 3.4 4.4 4.2 5.6 2.9 2.4 4.8 3.6 0.7 1.3 1.9 1.5 2.4 2.1 2.5 3.4 0.3 -0.4 -0.5 NA 2.2 1.9 2.4 1.1 -0.3 0.4 -0.7 -1.3 0.1 -0.6 0.4 1.6 1.7 1.5									14
15	5.1 6.1 6.8 5.1 6.0 6.4 5.7 6.0 5.8 6.0 5.8 6.0 6.2 7.0 5.7 6.5 6.9 7.0 5.9 5.9 5.2 4.5 1.2 1.5 0.8 2.2 0.9 1.3 2.4 0.6 4.4 2.7 6.6 NA 5.2 6.5 4.6 4.0 1.9 2.9 0.8 0.0 -1.0 -0.1 0.2 1.5 3.2 3.1									15
16	3.7 3.9 4.8 3.3 4.3 4.4 4.0 4.8 4.1 3.9 3.7 4.4 4.1 4.9 3.9 3.4 3.3 3.8 2.4 3.0 1.9 2.4 -0.8 -0.7 -2.3 -0.4 -2.2 -1.5 -1.6 -3.3 1.0 2.1 4.2 NA 1.3 3.8 2.6 2.8 -0.3 0.3 1.0 -0.4 -0.7 0.2 1.0 0.9 1.5 3.1									16
17	5.3 4.2 6.2 4.8 5.3 5.5 4.3 5.7 5.8 6.6 5.5 4.5 5.4 5.8 4.6 5.7 3.7 7.2 6.3 5.1 3.3 3.7 0.0 0.3 -0.5 1.3 0.4 1.3 -0.5 0.7 2.8 3.1 6.0 NA 1.2 4.9 2.9 1.9 -0.2 0.9 0.9 0.3 -2.0 0.5 -0.4 0.1 1.2 2.6									17
18	1.4 -0.1 1.1 -0.5 0.7 1.7 0.3 1.4 1.2 1.9 1.2 1.0 1.5 1.5 0.6 -0.1 0.8 0.7 1.7 -0.6 -2.8 -0.6 -3.9 -4.4 -5.2 -3.6 -6.0 -5.9 -6.1 -8.3 -1.5 -0.2 0.6 NA 2.7 2.4 2.3 2.0 -3.7 -3.0 0.9 -2.8 -4.7 -1.9 -1.3 0.7 2.3 4.2									18
19	0.8 -1.2 -0.3 -1.5 -0.8 0.0 -0.8 0.4 0.4 0.7 0.5 0.0 0.7 0.6 -0.3 -0.8 -1.1 -0.9 0.1 -1.1 -3.3 -1.6 -5.4 -5.6 -6.2 -4.7 -6.9 -6.9 -7.6 -9.3 -4.1 -3.5 -5.5 NA 4.0 1.2 1.2 1.1 -1.4 -4.4 -4.6 -3.5 -4.6 -3.9 -2.8 -0.9 0.3 0.1									19
20	-1.0 -2.9 -1.5 -3.0 -2.9 -1.4 -2.0 -2.2 -2.3 -2.0 -1.4 -1.9 -1.3 -2.3 -2.0 -2.9 -2.2 -2.8 -2.0 -3.9 -6.1 -4.5 -7.2 -7.2 -7.8 -6.6 -8.8 -9.2 -9.4 -11.0 -4.9 -5.9 -6.7 NA 5.0 -2.3 -1.1 -2.3 -7.1 -7.4 -2.0 -5.4 -6.0 -4.5 -3.1 -1.1 0.1 1.1									20
21	-0.3 -0.3 -0.5 -0.3 -1.8 -1.2 -0.6 -0.9 -0.7 -1.2 -0.6 -1.2 -0.3 -0.7 -1.4 -0.9 -3.6 -2.9 -1.1 -1.1 -0.8 -0.1 -3.1 -2.7 -3.9 -3.3 -4.1 -4.5 -4.2 -4.6 -4.6 -5.2 -4.6 NA 6.0 -1.6 -2.4 -2.2 -4.5 -4.3 -5.0 -4.1 -4.8 -4.2 -4.0 -2.3 -1.6 -2.3									21
22	1.8 0.5 1.4 0.7 0.2 0.9 0.8 1.6 1.1 1.3 1.2 1.5 1.7 2.0 0.8 0.7 -0.5 -0.3 1.4 0.7 -0.3 0.8 -2.1 -1.7 -2.7 -2.1 -3.7 -3.8 -3.9 -3.4 -0.5 0.4 2.8 NA 1.9 3.5 2.9 1.4 -1.3 -0.6 4.5 -0.2 -1.2 1.5 1.7 2.7 3.2 2.9									22
23	3.4 4.8 5.0 4.7 2.6 3.1 3.7 3.7 3.6 2.8 3.4 3.5 3.6 4.7 3.3 3.5 0.3 0.7 0.6 3.2 2.8 3.6 2.5 3.1 2.4 1.8 1.1 1.4 1.3 2.4 3.0 2.6 6.9 NA 0.0 6.7 5.0 3.2 3.1 3.7 7.4 4.1 4.2 4.4 3.1 1.4 0.9 -0.2									23
24	6.5 5.6 6.9 5.0 3.4 4.8 4.4 5.8 5.3 5.5 5.8 6.6 6.1 6.9 4.9 5.3 2.2 2.9 2.4 3.7 4.2 3.7 3.5 4.9 6.3 2.9 6.1 5.3 5.8 3.9 4.6 4.1 3.0 NA 3.0 6.1 3.2 3.8 2.7 2.9 6.7 5.5 7.0 2.8 0.8 0.9 0.3 -0.6									24
25	3.9 2.0 3.0 1.1 2.3 3.1 2.7 3.4 3.4 3.2 3.5 3.8 3.9 3.8 3.0 2.3 2.7 2.1 3.3 1.6 -0.4 0.4 -2.5 -3.0 -3.2 -1.6 -3.7 -2.6 -1.8 -4.6 1.1 2.1 1.4 NA 0.1 4.3 4.2 3.2 -1.1 -0.2 3.1 0.7 -0.1 1.5 3.2 3.5 3.6 5.1									25
26	1.2 0.8 0.7 0.3 -1.7 0.7 0.0 0.0 -0.2 -0.1 0.6 1.8 1.1 1.8 1.1 0.7 -0.2 0.4 -0.3 -3.3 -4.1 -5.0 -1.9 -1.7 -3.4 -3.0 -2.8 -2.6 -4.0 -0.1 -3.4 -2.4 -5.1 NA 2.6 -4.1 -1.3 -1.7 -4.6 -4.0 3.7 0.0 1.2 2.1 3.5 4.1 3.7 4.2									26
27	1.5 1.7 0.8 1.5 1.8 1.2 0.9 0.0 -0.4 -0.2 -0.3 0.6 0.1 0.1 1.0 1.7 -0.2 0.7 -1.0 0.1 2.1 -1.3 4.1 2.4 5.0 0.0 5.3 5.7 5.0 6.6 0.2 -0.2 -2.0 NA 0.6 -3.8 -3.8 -2.0 0.9 2.8 2.3 6.9 5.0 0.5 1.5 1.6 0.9 -0.2									27
28	-0.4 1.3 -0.8 1.2 -1.4 0.8 -0.7 -0.8 -1.1 -0.8 -2.0 -0.3 -1.5 -1.8 -0.7 1.1 -0.2 -2.9 -1.0 1.3 4.3 -0.7 6.6 7.2 8.0 1.6 9.3 9.9 10.6 8.5 2.5 2.5 0.2 NA 4.1 -2.5 -3.2 -0.8 4.0 5.0 2.7 3.6 6.3 -1.2 2.1 2.1 1.0 0.4									28
29	0.0 1.3 0.5 2.4 -1.8 1.4 -0.3 -0.5 -0.3 0.1 -0.2 -1.0 0.1 -0.1 -0.2 3.8 -0.8 -1.5 -1.4 2.6 4.2 1.4 3.4 3.4 5.0 3.1 5.3 6.9 8.4 6.5 2.8 3.6 0.9 NA 4.2 -2.8 -2.7 -0.2 3.3 4.2 3.2 4.1 7.0 -1.0 3.3 2.9 1.3 0.9									29
30	3.2 2.7 3.4 2.1 1.9 3.6 2.7 3.1 2.7 2.5 2.8 3.5 3.2 4.1 3.1 2.6 1.4 1.7 2.0 1.3 -0.4 1.4 -2.2 -2.2 -3.0 -1.4 -3.5 -3.0 -2.3 -3.9 1.0 2.0 1.3 NA 0.1 3.0 3.1 2.4 -0.2 0.2 3.8 1.7 1.2 3.0 3.3 2.3 2.2 2.0									30
31	2.1 1.7 2.9 1.3 1.1 1.9 1.8 2.7 1.7 3.4 2.2 1.7 2.3 2.4 1.8 0.9 0.5 1.5 2.5 1.7 -0.4 1.0 -2.4 -2.2 -2.8 -2.4 -4.3 -3.8 -4.4 -5.3 -1.0 0.0 0.6 NA -2.0 2.7 4.1 2.8 -1.5 -0.1 0.3 -1.7 -2.9 0.1 0.0 0.7 2.7 1.9									31
Mitt.	3.3 3.1 3.5 3.0 2.4 3.4 3.0 3.4 3.1 3.1 3.2 3.1 3.5 3.7 3.0 3.1 2.2 2.6 2.5 2.5 2.0 2.3 0.4 0.4 0.1 0.5 0.0 0.3 0.3 -0.1 1.3 1.7 2.4 NA 1.2 2.6 2.4 2.3 0.5 0.9 2.0 0.9 0.7 0.3 1.3 1.8 2.1 2.5									Mitt.



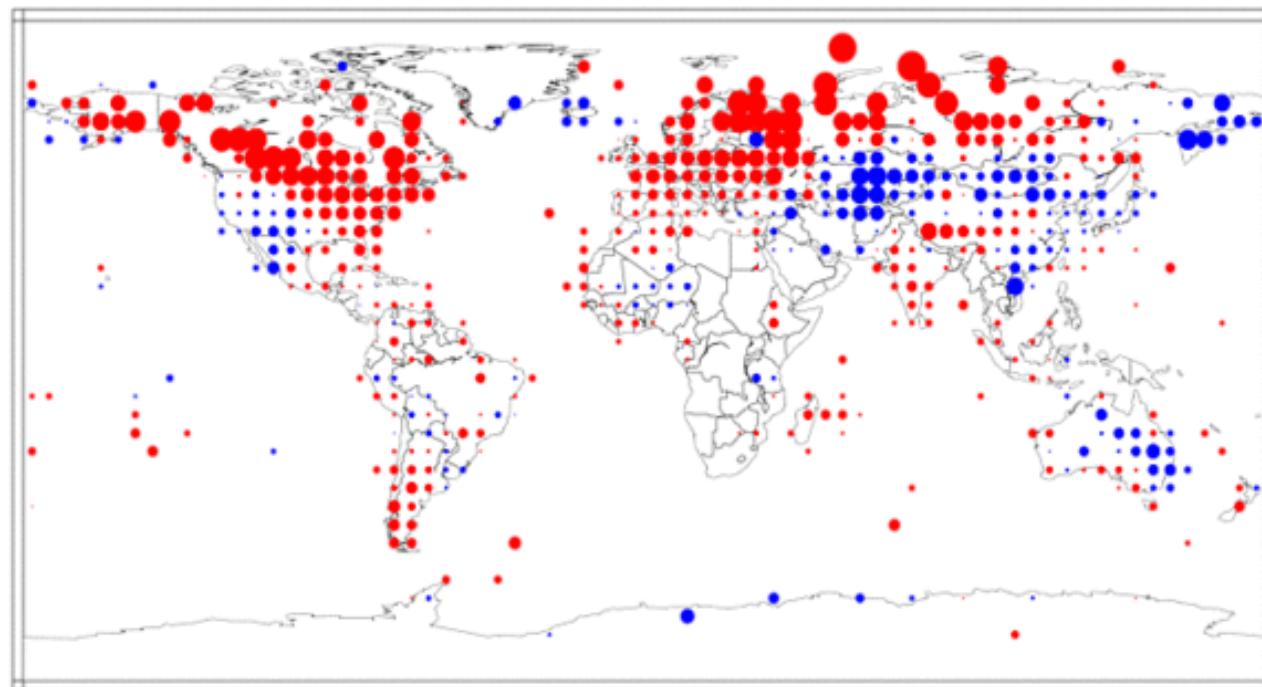


# Temperatura: anomalie globali dicembre

Temperature Anomalies December 2011

(with respect to a 1961-1990 base period)

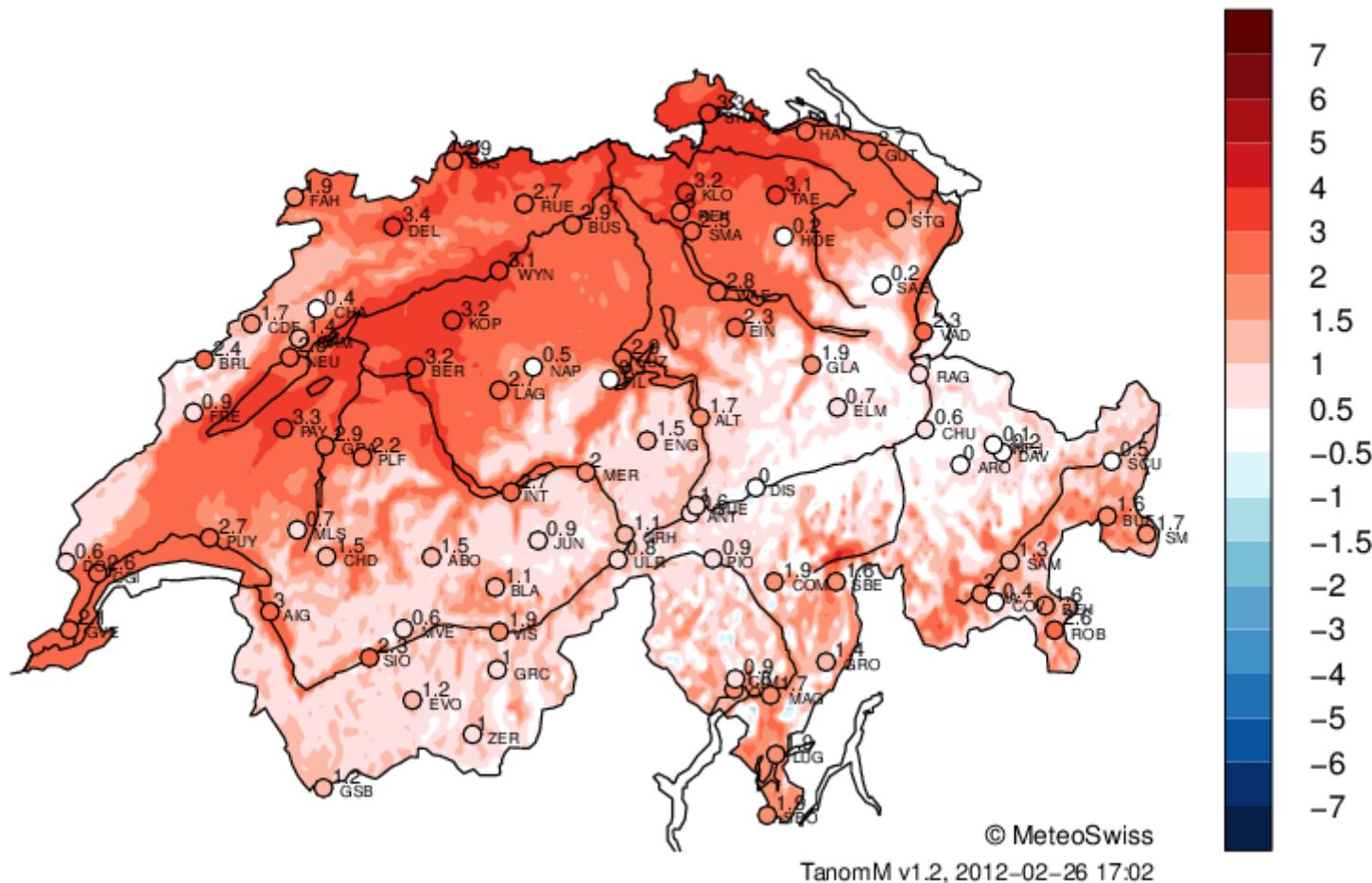
National Climatic Data Center/NESDIS/NOAA





# Temperatura: gennaio 2012

Monthly Temperature Anomaly (degC) Jan 2012 (Ref. 1961–1990)





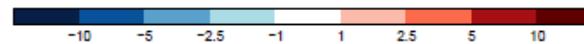
# Evoluzione per stazione

Abweichung vom Temperaturmittel (degC)

Januar 2012

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	9.5 10.0 10.5 9.4	6.6 6.3 7.4 8.0	7.9 6.4 8.9 8.9	9.2 10.3 7.8 9.6	3.0 5.9 4.4 6.0	7.1 6.7 5.7 5.8	5.6 5.7 4.8 5.9	6.0 6.0 6.0 6.0	5.7 6.1 6.7 NA	4.1 7.4 3.8 3.9	5.3 4.8 2.7 6.1 6.6 3.3 1.0 0.5 1.0 1.5 1
2	6.9 7.7 6.4 6.6	6.2 6.2 6.3 6.1	5.9 5.7 6.7 6.4	7.1 8.2 6.4 7.1	5.4 6.4 5.7 5.4	5.6 5.4 2.8 2.5	2.9 3.5 2.4 3.4	3.0 3.4 2.2 2.2	5.1 5.5 7.9 NA	5.7 7.3 4.7 4.1	3.8 4.0 2.5 1.1 2.4 0.7 0.8 1.9 3.0 2
3	5.9 5.7 6.3 5.3	2.6 3.8 4.2 5.0	5.0 3.6 5.3 5.8	5.8 6.3 5.5 5.0	3.2 4.7 3.0 2.6	3.2 3.0 0.7 0.4	0.7 0.9 1.6 1.4	2.2 1.5 0.7 0.4	0.7 2.5 0.4 NA	1.4 2.8 2.9 2.2 0.1 0.1	2.1 0.9 1.0 0.8 3.3 3.4 2.3 2.8 3
4	6.2 4.7 6.0 4.1	4.5 5.0 4.8 5.6	5.9 4.5 5.7 5.4	5.9 5.8 5.3 4.0	2.9 4.8 3.5 4.7	3.4 3.0 0.6 0.5	-0.5 0.5 -1.0 -0.1	-0.1 1.3 0.7 2.1	NA 2.0 2.7 4.0 3.5 1.8 1.4	2.6 0.0 0.2 1.0 2.6 2.7 2.8 3.4 4	
5	4.9 4.5 6.0 3.7	4.0 3.4 3.4 5.6	4.7 6.4 4.3 4.7	4.9 5.2 4.3 3.1	1.4 3.6 4.3 6.0	3.3 3.5 0.3 0.1	-0.5 0.4 0.4 -0.1	0.1 0.3 1.7 1.3	5.2 NA 1.6 4.7 4.8 4.0 1.3 2.5	2.2 0.8 0.1 1.9 1.5 2.2 2.5 3.6 5	
6	3.2 1.6 2.8 0.9	1.2 1.7 2.4 3.2	3.7 3.3 3.0 2.5	3.1 2.9 1.9 0.8	2.3 3.4 3.0 1.2	-2.0 0.6 -2.8 -3.3	-4.5 -2.8 -2.6 -4.2	-4.8 -5.9 -0.2 1.6 3.2	NA -0.9 3.8 4.0 3.5 -2.4 -0.6	2.6 -1.1 -4.0 1.2 2.3 2.5 3.9 6.4 6	
7	3.7 3.1 4.1 2.5	-0.2 1.4 1.8 3.0	2.5 2.6 2.7 3.2	3.3 3.5 2.7 2.1	0.7 2.1 1.8 1.4	0.5 1.8 -0.8 0.9	-2.4 -1.3 -1.6 -2.1	-1.2 -0.3 0.3 0.0 2.3	NA -1.8 1.5 2.1 0.8 -0.4 -1.6	5.3 1.6 1.0 3.3 4.3 4.0 3.3 3.1 7	
8	4.6 3.6 4.5 3.1	3.5 4.0 3.6 5.0	4.7 5.4 4.5 3.9	4.7 3.9 2.3	2.6 4.1 5.2 3.2	1.7 2.6 -0.7 0.1	-0.6 -0.2 -0.5 -2.0	-1.9 0.2 1.8 3.0	5.4 NA 0.4 6.7 6.3 5.5 1.4 2.4	5.0 1.7 -0.2 3.1 3.7 5.4 7.7 10.8 8	
9	4.7 3.6 4.3 2.8	2.1 4.0 3.6 4.4	4.0 4.0 4.1 4.1	4.1 4.6 3.9 2.6	2.1 2.9 3.7 2.0	-0.3 2.3 -0.8 0.2	-1.7 -0.6 -1.5 -1.9	-2.1 1.5 0.8 2.3 3.9	NA 0.0 2.3 3.4 0.8 -1.4 -3.1	7.0 1.4 1.6 4.2 6.1 5.3 6.0 7.2 9	
10	5.5 4.9 4.6 3.8	2.1 5.0 5.1 5.4	4.6 4.1 4.3 4.5	4.5 4.7 4.2 3.4	1.8 3.6 2.6 2.1	1.3 3.4 2.2 2.0	0.4 1.6 3.1 1.3	0.6 4.6 1.7 2.1 3.0	NA 0.0 -0.1 1.3 0.4 -0.9 -1.4	7.9 3.7 4.9 5.7 8.2 7.3 7.1 6.9 10	
11	3.0 2.4 1.7 0.9	1.8 2.6 2.3 2.1	3.6 2.1 3.4 2.0	3.1 2.1 1.6 1.3	-0.7 0.2 2.4 0.5	0.0 3.5 0.2 6.0	6.0 6.0 5.6 5.1	5.1 7.0 0.8 0.4 -1.4	NA 1.0 -4.9 -1.9 0.4 2.3 3.2 3.2 7.9 6.3 -0.7 3.3 3.8 2.6 1.9 11		
12	2.2 1.2 0.9 -1.9	0.8 1.7 1.1 1.7	2.5 1.0 2.0 0.7	2.1 1.6 0.8 -0.3	0.2 0.0 -0.1 1.6	5.2 -0.4 4.7 6.3	5.9 5.3 4.5 3.7	5.8 4.0 -0.2 0.2 -2.9	NA 1.5 -5.7 -3.0 0.1 3.2 2.7 2.5 5.5 6.8 -2.0 2.0 2.0 1.1 0.7 12		
13	3.2 1.6 1.7 0.1	-0.2 1.4 1.6 2.4	2.1 2.0 2.0 2.6	2.5 3.0 2.1 1.4	0.0 0.9 1.1 1.5	0.9 1.5 0.9 -1.2	0.0 -0.4 -0.3 -2.1	-2.6 -2.2 -2.2 2.6	0.1 1.5 4.6 NA 0.8 -2.6 -0.5 -0.2 0.4 0.2 8.0 4.1 3.7 5.1 7.9 4.9 3.9 3.0 13		
14	0.1 -0.6 -1.6 -1.2	1.4 0.4 0.6 0.1	-0.2 -0.4 -1.5 0.0	-1.2 -1.1 -0.7 -1.1	-2.5 -1.2 -2.3 -5.2	-3.4 -1.4 -2.4 -2.1	-0.2 -4.2 -2.2 -4.4	-5.7 1.0 -7.3 -6.1 -8.5	NA -4.2 -7.4 -1.5 0.2 -3.5 -3.2 3.8 -2.1 0.0 1.6 2.3 2.1 1.5 -0.5 14		
15	-0.4 -1.3 -1.8 -1.7	-1.4 -1.4 0.0 -1.2	-0.4 -2.6 -0.6 -0.9	-1.3 -2.2 -1.6 -3.1	-5.7 -4.0 -4.5 -6.2	-2.4 -0.5 -3.3 -2.8	0.6 -2.6 -0.6 -1.2	-1.7 4.0 -7.3 -8.6 -10.3	NA -5.2 -9.8 -5.6 -2.9 -3.0 -1.1 -2.4 0.9 -1.8 -6.7 -1.8 -0.7 -0.5 -2.0 15		
16	-0.6 -1.8 -3.1 -3.0	-3.5 -2.0 -1.7 -2.9	-2.2 -3.1 -1.8 -1.7	-1.6 -2.7 -2.6 -4.6	-5.8 -5.1 -4.6 -6.7	-3.1 -0.5 -3.0 -0.4	0.1 -2.3 0.0 0.5 -0.1	3.2 -5.3 -7.7 -8.9	NA -4.0 -9.6 -6.5 -3.7 -3.2 -1.3 -3.4 -4.1 -4.1 -7.7 -2.6 -1.8 -1.3 -3.1 16		
17	-2.0 -1.3 -2.0 -2.1	-4.0 -1.0 -2.5 -2.5	-3.5 -2.6 -3.1 -3.1	-2.9 -3.2 -2.0 -2.2	-4.3 -2.7 -3.9 -2.5	-0.1 -3.0 2.8 1.7	2.2 1.1 2.6 1.3	0.1 1.4 -3.0 -4.1 -5.7	NA -2.0 -8.3 -5.5 -2.6 -1.6 -0.8 2.7 3.8 3.3 -1.4 -1.8 -2.4 -1.8 -2.9 17		
18	-0.7 0.5 -1.2 -1.0	-2.3 -0.1 -0.7 -0.8	-1.7 -1.3 -2.1 -1.9	-1.6 -0.4 -0.1 1.5	-1.1 -2.8 -2.8 1.5	3.5 -0.7 4.6 4.6	4.4 4.7 3.7 2.4	1.4 1.0 -1.3 -1.6 -4.1	NA 0.5 -6.6 -4.1 -1.6 1.4 1.6 2.1 3.7 5.2 0.9 0.3 -1.1 -1.2 -2.1 18		
19	5.9 6.5 4.6 5.6	3.5 4.5 5.2 6.2	5.9 5.9 6.1 7.0	6.6 8.1 6.7 7.6	2.1 5.8 2.4 7.5	7.9 5.3 3.7 3.3	3.7 4.5 3.5 3.9	4.6 4.5 4.1 3.5 5.6	NA 3.4 3.1 1.4 2.2 5.2 4.7 2.8 4.3 5.8 2.0 1.0 0.2 0.1 -0.4 19		
20	5.5 4.7 5.2 3.7	4.9 4.9 3.9 5.4	5.3 6.6 5.2 4.5	5.4 5.1 4.5 3.2	2.1 4.9 4.7 4.5	3.1 3.2 0.8 0.8	2.0 1.1 0.1 -0.4	0.2 -1.0 2.9 4.1 6.9	NA 1.5 6.9 5.6 5.1 2.0 3.4 2.7 2.0 0.9 2.7 2.5 2.3 3.0 3.6 20		
21	6.1 6.8 7.6 5.5	4.2 4.2 4.5 6.8	5.9 8.6 5.9 5.6	6.6 6.5 5.9 4.3	2.0 3.6 4.4 5.8	4.7 4.5 2.7 2.0	3.6 2.7 1.7 2.5	2.1 1.5 3.6 3.4 8.2	NA 1.2 7.2 6.5 5.8 3.3 4.8 2.6 4.1 2.9 4.0 2.4 3.0 3.5 4.3 21		
22	7.5 5.8 6.5 4.5	6.6 7.1 6.8 8.3	8.3 9.2 7.8 7.0	7.6 7.5 6.9 5.8	2.7 7.8 8.2 6.3	6.0 4.5 2.2 2.6	3.3 3.4 1.9 2.5 2.6	2.1 4.6 5.2 10.4 NA 2.7 8.4 9.7 8.7 4.9 7.2 9.2 7.2 6.3 6.0 7.5 6.3 4.2 3.2 22			
23	6.1 5.3 6.1 4.2	4.3 5.5 5.6 6.8	6.7 7.4 6.6 5.9	6.5 6.3 5.7 4.1	2.7 5.2 5.0 4.1	2.2 3.4 0.7 0.5	0.6 1.6 -0.9 -0.2 -0.6 -0.2	0.2 3.1 4.2 4.5	NA 2.0 6.5 5.4 4.8 1.4 1.2 7.4 3.7 4.1 5.4 6.4 6.3 4.0 2.1 23		
24	3.4 2.5 3.5 1.9	3.7 3.9 3.2 3.4	4.0 2.7 3.6 2.5	3.6 3.0 2.9 0.9	1.2 2.2 2.6 1.5	0.8 2.1 -1.2 -0.3	-0.8 -0.8 -3.3 -3.7 -3.7 -3.9	0.1 1.8 4.1 NA -0.3 4.9 5.6 5.3 0.7 1.7 3.7 0.4 -0.5 2.6 4.9 5.4 4.7 4.9 24			
25	2.8 2.1 2.9 2.2	3.4 3.4 2.2 3.0	2.8 2.0 2.7 1.8	3.1 2.3 1.6 0.4	0.2 1.3 0.5 1.1	1.0 2.8 1.1 2.2	1.4 0.7 0.1 -1.6 -2.5 0.6	-0.3 -2.2 0.5 NA -1.6 3.9 4.0 4.6 1.4 2.1 1.2 0.4 -1.5 0.9 1.9 2.3 1.9 0.5 25			
26	1.5 2.5 2.5 3.1	4.2 4.2 3.1 4.0	3.4 3.3 2.3 0.7	2.2 1.7 1.9 0.0	-0.6 1.4 1.0 0.6	0.8 3.5 3.1 3.4	3.2 1.7 2.6 2.5	1.7 2.3 1.4 -2.3 -2.5 NA 0.3 -1.9 3.0 5.4 1.3 1.5 -1.0 -0.4 -0.8 -3.2 -0.5 0.3 0.4 -1.3 26			
27	3.1 3.2 3.2 2.7	4.0 3.9 3.4 4.2	4.2 3.6 3.6 2.7	3.4 3.1 3.0 2.7	1.3 3.3 2.7 2.8	1.8 2.7 0.7 0.7	0.8 1.5 1.2 2.2 1.8	1.1 1.9 1.1 0.4 NA 1.3 -0.7 3.9 5.3 1.6 1.7 -0.3 -0.4 -1.0 -1.4 -0.1 -0.1 0.3 -0.7 27			
28	2.1 0.8 1.7 0.9	2.0 1.9 1.5 1.3	1.7 1.4 1.3 1.5	2.0 1.6 1.0 0.1	1.4 1.6 1.1 0.7	-0.6 0.9 -2.2 -2.4	-3.0 -1.6 -3.2 -1.9 -0.5 -1.9	1.1 2.4 3.4 NA -0.1 4.4 2.7 3.5 -0.7 0.3 0.5 0.2 -2.5 0.0 -1.1 -1.8 -0.8 0.7 28			
29	0.5 -0.8 -0.7 -2.2	1.0 0.2 -0.4 0.3	0.8 0.3 0.3 -0.1	0.8 0.2 -0.6 -2.0	0.7 0.9 0.7 -0.9	-2.2 -1.2 -4.1 -3.4	-2.2 -3.5 -1.7 -0.4 -0.5 -3.0	-2.5 1.5 1.4 NA -1.6 3.5 1.9 1.9 -1.0 -0.1 0.0 -1.2 -3.7 -0.8 -1.4 -2.0 -1.0 0.7 29			
30	-0.1 -1.7 -1.4 -2.5	0.2 0.0 -1.0 -0.4	0.1 -0.4 -0.4 -0.5	0.0 -0.5 -1.1 -2.6	-1.0 -0.4 0.1 -1.7 -4.0	-2.1 -4.7 -4.5	-3.9 -4.2 -3.2 -0.8 0.1 -1.2	-4.3 -2.5 -1.6 NA -3.8 -2.8 1.0 0.9 -3.5 -3.0 -0.9 -2.7 -5.2 -1.5 -2.1 -2.2 -1.3 -0.4 30			
31	-1.6 -2.9 -2.8 -4.0	-1.7 -1.6 -1.9 -1.5	-1.3 -1.6 -1.5 -2.5	-1.3 -2.0 -2.6 -4.0	-2.1 -1.5 -0.6 -2.6 -4.2	-2.9 -5.9 -5.4	-6.5 -5.2 -6.4 -5.3 -5.7 -7.1	-3.9 -3.5 -3.4 NA -4.0 -1.7 0.6 0.3 -3.9 -3.3 -3.6 -6.0 -8.3 -4.5 -4.9 -4.4 -3.6 -2.6			
Mitt.	3.3 2.7 2.9 1.9	2.1 2.7 2.6 3.2	3.1 2.9 2.9 2.7	3.2 3.1 2.5 1.7	0.6 2.3 1.7 1.6	1.5 1.8 0.4 0.6	0.7 0.5 0.3 0.2 0.1 0.9	0.2 0.5 1.3 NA 0.0 0.8 1.9 2.3 0.6 1.0 2.6 1.6 0.9 0.9 1.9 1.8 1.9 1.9 1.9	Mitt.		



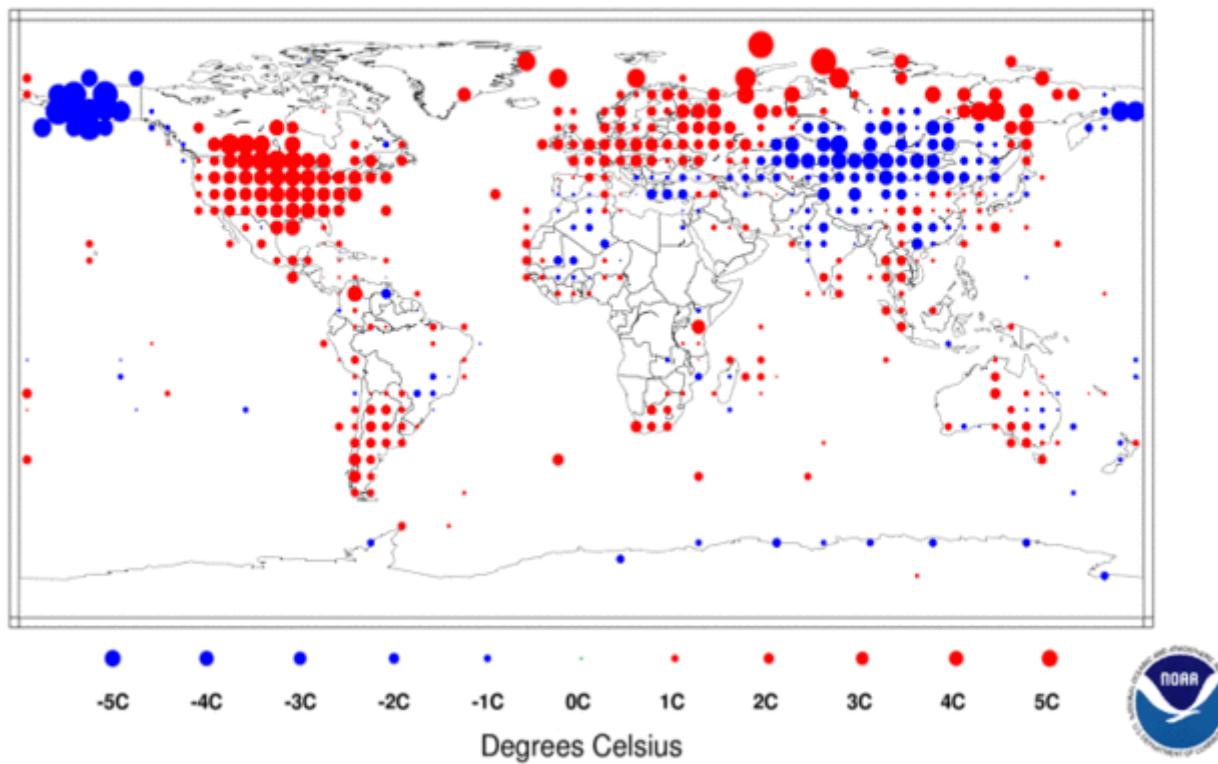


# Temperatura: anomalie globali gennaio

## Temperature Anomalies January 2012

(with respect to a 1961-1990 base period)

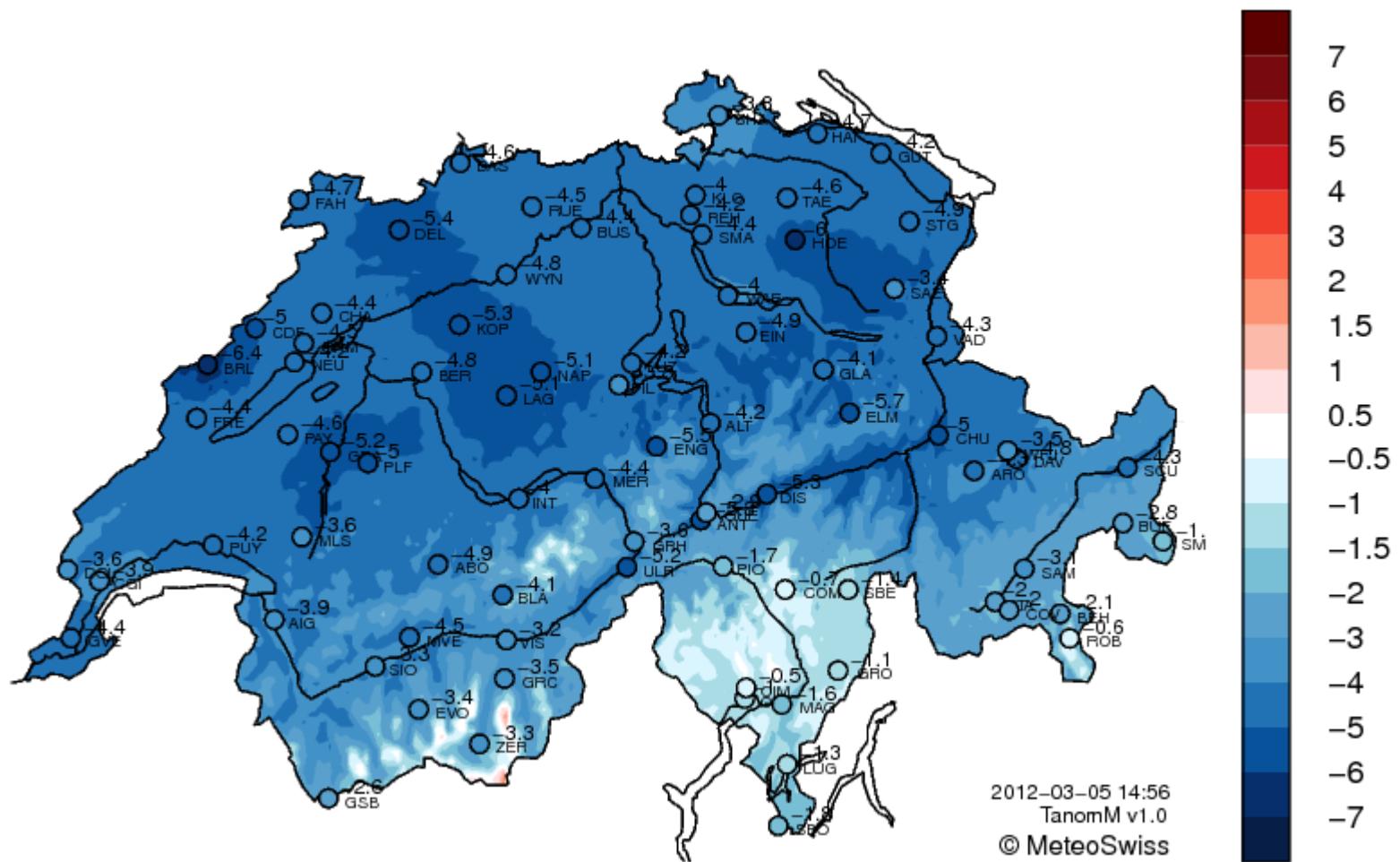
National Climatic Data Center/NESDIS/NOAA





# Temperatura: febbraio 2012

Monthly Temperature Anomaly (degC) Feb 2012 (Ref. 1961–1990)





## Temperatura: anomalie globali febbraio



# Evoluzione per stazione

Abweichung vom Temperaturmittel (degC)

Februar 2012

Referenzperiode: 1961 – 1990

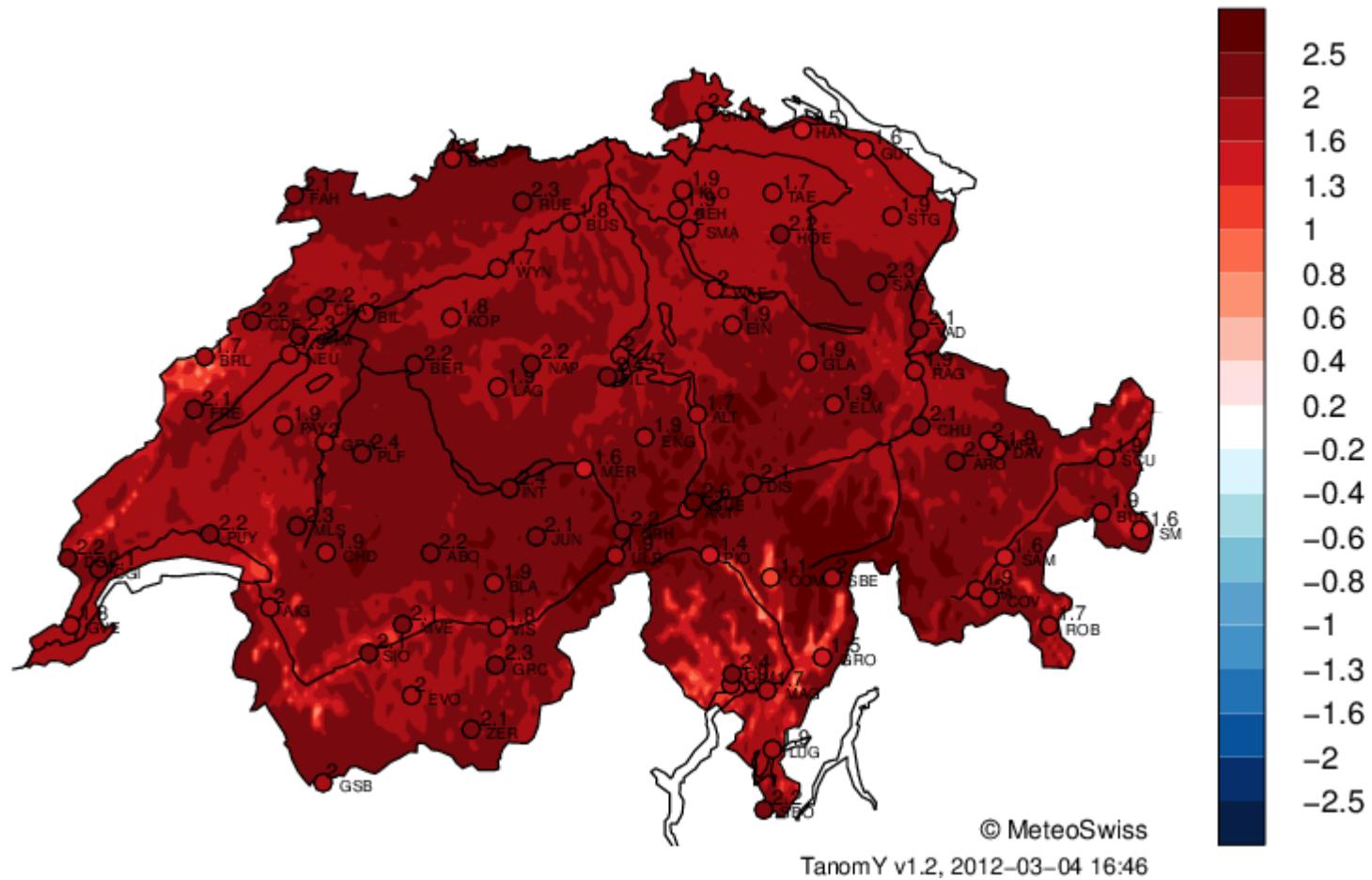
	N/NW-CH	Mittelland West	Mittelland Zentral/Ost	Täler Alpennordhang	Jura	Berglagen	Täler GR	Wallis	Alpensüdseite			
	SHA RUE BAS FAH	GVE PUY NEU BER	WYN LUZ BUS GUT KLO TAE SMA STG	CHU VAD ALT ENG ABC	CDF CHA DOL	MLS NAP PIL SAE WFJ JUN	DAV SCU SAM HIR DIS	ULR VIS SIO MVE ZER	ROB SBE CIM PIO COM OTL LUG SBO			
1	-4.6 -6.6 -5.7 -7.7	-3.8 -4.9 -5.2 -5.2	-4.7 -5.3 -4.7 -5.8 -4.7 -5.4 -5.9 -7.7	-4.8 -4.6 -4.0 -6.4 -6.8 -6.5 -9.2 -8.2	-9.2 -9.3 -9.3 -6.3 -5.3 -5.1	-5.8 -5.8 -4.8	NA -7.3 -8.8 -3.0 -2.3	-7.2 -6.0	-4.9 -4.9 -6.6 -6.6 -6.8 -5.9 -5.9 -4.3 -3.5	1		
2	-8.1 -9.5 -8.9 -11.0	-6.8 -8.0 -8.0 -8.3	-7.7 -7.9 -7.9 -8.4 -7.8 -8.3 -8.9 -10.0	-7.5 -7.2 -6.2 -9.3 -9.8	-9.7 -12.9 -10.3	-8.1 -12.3 -8.1 -5.8 -6.1 -7.1	-8.1 -6.1 -4.1	NA -9.3 -5.0 -2.8 -3.5	-6.9 -6.4 -4.9 -7.9 -9.3 -5.9 -5.4 -5.3 -4.8 -4.0	2		
3	-10.5 -12.5 -12.7 -13.9	-9.5 -11.0 -10.4 -11.4	-10.6 -10.8 -10.7 -11.1 -11.7 -12.7 -12.0 -13.5	-10.6 -10.3 -9.1 -13.2 -13.9 -12.8 -15.4 -12.6	-14.0 -15.9 -14.6 -12.6 -12.4	-8.0 -12.7 -10.4 -9.8	NA -12.8 -9.7 -6.5 -6.8 -10.8 -9.3	-7.9 -11.0 -9.8 -8.8 -7.1 -6.3 -5.8 -6.7	3			
4	-10.9 -12.9 -13.9 -13.9	-10.3 -12.3 -10.9 -12.7	-11.7 -12.0 -11.1 -11.1 -12.6 -14.5 -12.8 -14.1	-12.5 -12.8 -10.9 -15.8 -16.2 -14.1 -16.5 -14.9	-17.1 -16.7 -17.0 -16.2 -15.8	-6.5 -17.0 -13.5 -11.7	NA -16.6 -15.0 -8.7 -9.2 -14.3 -12.9	-6.4 -13.7 -10.3 -8.8 -7.3 -7.5 -7.6 -10.2	4			
5	-11.3 -13.2 -13.3 -13.6	-10.7 -12.2 -11.4 -13.8	-12.5 -11.7 -12.4 -10.8 -12.1 -13.4 -13.0 -14.3	-13.8 -12.6 -11.6 -16.7 -14.2	-13.1 -12.1 -11.3	-9.8 -14.2 -10.6 -11.2 -10.8	-6.9 -15.5 -13.9 -14.5	NA -16.3 -17.0 -10.4 -9.9 -14.5 -12.7	-11.5 -10.0 -10.9 -12.4 -11.0 -8.9 -8.4 -11.2	5		
6	-12.1 -13.3 -12.7 -13.5	-9.9 -11.5 -11.2 -12.3	-12.3 -11.6 -12.5 -11.4 -12.8 -14.0 -13.6 -13.2	-13.7 -12.6 -10.2 -14.9 -12.6	-13.3 -10.9 -10.0	-10.8 -13.0 -11.3 -11.8 -12.2	-9.0 -15.2 -15.1 -14.6	NA -15.0 -15.5 -9.9 -9.8 -14.2 -11.7	-7.2 -8.5 -5.7 -6.6 -6.3 -7.4 -7.3 -11.3	6		
7	-11.4 -13.2 -13.5 -14.8	-10.8 -12.5 -11.5 -12.5	-11.2 -11.3 -11.4 -11.2 -11.3 -11.5 -12.5 -12.9	-11.8 -10.7	-9.8 -13.8 -15.5 -14.0 -16.0 -13.3	-11.7 -16.2 -10.2 -6.8 -6.2	-3.3 -13.4 -11.1 -8.5	NA -14.3 -11.5 -8.2 -8.6 -12.9 -11.6	-2.2 -7.8 -2.7 -4.0 -2.3 -4.4 -4.3 -6.7	7		
8	-9.2 -10.7 -10.0 -11.2	-9.3 -9.8 -9.5 -10.2	-9.5 -8.7 -9.5 -8.9 -8.8 -9.9 -11.1 -11.2	-10.5 -8.1 -12.4 -11.6 -11.1	-6.6 -1.8	1.8 -12.6 -1.2	0.9 0.3 -0.4	-4.9 -8.4 -6.2	NA -9.5 -7.0 -7.5 -8.6 -7.9	1.7 -4.0 -0.2 -0.2 -5.2 -4.8 -3.7 -3.0	8	
9	-9.0 -9.3 -10.3 -9.8	-7.3 -7.6 -8.1 -9.2	-9.4 -7.5 -8.9 -8.4 -9.3 -9.9 -8.8 -9.7	-10.4 -9.8 -6.3 -9.5 -5.6	-8.3 -4.8 -3.1	-4.2 -5.7 -5.3 -6.5 -6.4	-5.0 -5.7 -5.8 -5.6	NA -8.3 -6.5 -6.9 -6.9 -4.6 -4.4	-1.2 -0.7 0.4 -1.9 -2.1 -3.4 -2.8 -5.0	9		
10	-8.1 -9.8 -9.2 -10.5	-7.9 -9.1 -8.5 -8.7	-8.2 -8.7 -8.4 -8.3 -8.5 -8.8 -9.5 -10.9	-9.5 -8.3 -10.4 -11.8	-10.4 -13.3 -11.9	-14.1 -13.1 -15.1 -13.3 -14.5 -11.7	-12.9 -11.0 -9.4	NA -11.9 -6.4 -7.1 -6.9 -10.8 -9.2	-6.0 -10.9 -9.5 -7.7 -5.1 -5.2 -4.6 -4.5	10		
11	-9.7 -11.3 -10.6 -12.7	-9.5 -10.7 -9.9 -10.1	-9.2 -9.6 -9.5 -9.9 -9.5 -9.9 -10.7 -11.9	-10.3 -9.9 -8.6 -11.6 -13.0	-11.7 -14.3 -14.2	-14.6 -14.5 -13.7 -10.6 -10.1	-6.4 -13.7 -12.3 -9.8	NA -12.5 -13.2 -8.9 -9.2 -12.9 -10.4	-8.3 -10.9 -9.5 -8.0 -7.3 -6.6 -6.1 -6.9	11		
12	-10.5 -12.0 -12.8	NA -8.8 -10.3 -10.0 -11.5	-10.9 -10.8 -11.1 -11.5 -11.7 -14.0 -12.1 -12.9	-12.0 -11.5 -9.2 -13.1 -13.3	-11.1 -11.3 -11.0	-10.8 -14.4 -10.2 -8.2 -8.9	-6.8 -14.1 -12.6 -11.7	NA -13.2 -13.8 -8.0 -8.1 -12.1 -10.5	-9.1 -8.2 -8.3 -8.3 -6.4 -6.6 -8.9	12		
13	-9.9 -8.9 -9.5	NA -7.8 -8.1 -9.3 -10.3 -10.4 -8.8 -10.1 -9.3 -10.4 -10.7 -9.2 -9.4	-10.6 -9.4 -8.0 -9.6 -8.5	-8.1 -7.0 -7.2	-8.0 -7.6 -8.1 -7.5 -8.1	-5.8 -9.3 -9.2 -8.4	NA -9.8 -11.0 -9.3 -8.9 -10.8 -8.8	-4.4 -4.3 -4.0	-5.2 -4.7 -6.5 -5.2 -6.2	13		
14	-3.7 -3.5 -3.1 -3.1	-4.5 -3.3 -4.5 -3.1	-3.1 -3.3 -3.3 -3.6 -2.8 -1.9 -3.3 -3.5	-4.7 -3.8 -3.2 -3.9 -4.7	-2.9 -4.5 -4.7	-6.6 -4.9 -6.6 -6.4 -7.1	NA -4.7 -4.0 -2.2	NA -5.6 -4.0 -4.8 -3.5 -6.2 -6.7	-1.9 -2.8 -3.0 -1.1 -2.4 -3.4 -2.8 -3.9	14		
15	0.5 -0.2 0.3 -0.7	-1.8 -1.5 -1.2 0.3	-0.2 1.6 -0.2 -0.1 0.6 0.7 -0.5 -0.7	-1.7 -0.5 -0.6 -0.7 -1.5	-0.4 -1.9 -2.6	-3.3 -2.1 -3.9 -3.4 -3.3	NA -1.6 -1.6 1.7	NA -3.2 0.8 0.6 0.1 -2.2 -0.5	2.4 -0.1 -0.6 1.1 1.9 0.4 1.1	15		
16	0.5 -0.3 0.0 -0.2	0.0 0.5 -0.5 0.3	-0.4 0.4 -0.1 0.7 0.4 0.8 0.0 -0.8	0.1 -0.5 0.8 -0.8 -1.2	-0.7 -2.2 -2.0	-3.4 -2.2 -3.7 -3.7 -3.5	NA -1.1 -0.3 2.1	NA -1.4 3.3 3.0 1.9 -0.9 0.6	3.9 0.5 2.4 2.7 4.5 5.1 4.3 2.4	16		
17	0.6 0.3 0.5 -0.1	-1.3 0.0 -1.4 -1.5	-2.1 -0.8 -1.3 0.3 0.3 0.5 -0.3 -0.3	-1.4 0.2 -1.2 -2.4 -1.9	-1.5 -0.3 0.1	1.1 -1.5 1.2 1.0 0.4	NA -2.0 -1.7 0.1	NA -1.7 -1.9 -0.2 -0.7 -1.8 -0.8	3.5 3.4 5.3 2.9 1.4 0.9 0.5 -0.4	17		
18	1.2 1.6 2.0 1.2	-1.9 -0.3 -0.6 -0.6	-0.4 -0.5 0.4 0.8 1.4 0.6 1.0 0.8	-1.0 1.1 -1.6 -0.3 1.3	0.8 3.0 3.2	1.7 2.3 1.9 1.2 2.7	3.5 -0.4 -0.2 0.3	NA 0.3 -3.5 -0.5 -0.6 0.2 0.6	1.4 3.9 2.2 1.0 1.6 1.8 1.1 1.3	18		
19	1.1 0.3 1.1 -0.3	1.0 0.6 1.2 0.5	0.7 -0.1 0.6 0.4 1.2 1.3 0.6 0.4	-0.1 0.2 -0.9 -0.1 0.1	-0.2 -1.8 -2.1	-2.4 -1.0 -2.6 -1.6 -0.7	-1.4 0.1 1.5 3.4	NA 0.2 -0.3 0.8 0.6 0.2 0.4	1.8 1.4 0.1 0.8 1.7 1.5 2.1 2.9	19		
20	-0.8 -2.9 -2.2 -3.5	-1.5 -1.4 -1.5 -2.2	-2.2 -1.3 -1.8 -1.2 -1.2 -2.7 -1.9 -3.4	-2.2 -2.3 -2.6 -3.8 -5.0	-3.8 -5.7 -5.8	-5.7 -5.1 -5.7 -5.7 -5.5	-4.1 -4.2 -2.4 -1.9	NA -3.3 -2.8 -1.6 -1.5 -1.5 -4.1 -3.5	0.6 -3.3 -2.5 -2.1 1.1 1.0 0.1 0.1	20		
21	-2.6 -3.5 -3.5 -3.9	-3.4 -2.6 -2.7 -4.0	-5.1 -3.6 -3.8 -4.2 -3.3	-5.8 -3.5 -5.0	-3.9 -3.5 -4.5	-5.9 -3.4	-5.5 -1.5 -0.8	-0.2 -2.6 1.5 2.0 1.2 1.3	-2.9 -3.0 -4.5	NA -2.9 -6.7 -2.5 -2.6 -1.7 -1.4	-1.8 -0.4 0.6 -3.6 -1.8 -0.6 -0.1 0.2	21
22	-2.0 -1.1 -1.6 -0.4	-3.4 -1.5 -2.3 -3.3	-4.4 -3.2 -3.1 -2.9	-2.0 -4.3 -2.3 -3.0	-2.2 -2.4 -3.6 -2.9	0.5 -2.2 3.6 4.2	4.8 2.9 5.4 5.2 4.8 5.7	-0.7 -1.4 -3.3	NA 0.3 -5.8 -1.8 -1.7 0.7 1.6	0.2 4.9 4.7 -2.7 0.3 0.7 0.3 0.5	22	
23	0.5 1.9 0.5 1.2	-2.1 -0.2 -0.6 0.1	-1.1 0.1 -0.3 0.5 1.1 1.6 0.8 3.6	0.0 1.6 -0.9 2.6 4.7	1.5 5.1 5.4	5.8 5.1 5.2 4.9 4.9 7.0	3.5 2.2 2.9	NA 3.0 -1.1 -0.6 -0.9 2.8 2.8	3.4 7.7 8.8 3.9 2.8 1.2 0.3 0.7	23		
24	5.2 3.8 4.0 2.6	0.5 2.2 2.4 3.1	1.4 3.2 3.3 3.0 5.4 4.2 4.8 5.9	3.7 5.5 1.6 5.4 7.1	4.2 9.2 9.9	8.9 9.0 9.1 8.3 7.6 9.4	6.7 5.9 7.2	NA 5.8 3.2 2.4 2.2	6.0 5.9 10.9 11.0 12.8 8.5 8.0 7.6 3.5 5.5	24		
25	4.3 3.0 4.0 2.7	1.3 2.8 2.5 2.8	1.4 3.5 2.9 4.2 4.4 3.9 3.7 4.5	2.3 3.8 2.1 4.5 6.2	3.5 6.3 8.2	7.4 6.4 5.7 5.1 5.8 6.3	6.8 6.8 9.8	NA 4.5 5.3 2.1 2.4	6.6 6.2 11.5 9.5 11.7 7.4 10.9 10.9 7.3 7.6	25		
26	2.9 1.6 2.5 1.4	1.4 3.4 2.0 1.3	1.1 1.8 2.5 2.2 3.2 2.8 2.2 0.9	0.9 0.8 1.3 1.2 1.3	1.3 -0.2 1.0	0.1 0.2 -1.1 -1.3 -1.5 -1.2	1.8 2.6 4.5	NA 0.5 3.8 3.9 2.7 2.5 2.9	6.1 3.2 4.3 3.9 7.2 8.1 8.3 8.8	26		
27	0.6 1.2 0.5 0.7	-0.7 1.2 1.4 -0.4	-0.3 0.2 0.6 -0.3 0.9 0.6 1.2 0.1	0.2 0.2 -1.0 -1.1 -0.7	0.2 0.4 0.9	0.9 0.1 0.2 -1.1 -2.7	1.2 -1.1 -0.4 -0.4	NA -0.7 -1.3 0.1 -0.2 -0.9 -0.6	5.2 1.8 4.5 3.2 4.8 4.5 3.8 3.9	27		
28	2.8 3.5 1.7 2.4	0.1 1.7 1.6 0.8	-0.4 1.0 1.1 1.3 1.5 1.9 2.2 3.3	0.8 2.6 0.3 1.7 2.3	0.8 3.2 4.1	4.5 3.3 3.8 3.3 1.5 5.8	2.6 2.0 2.6	NA 1.1 -0.8 0.4 0.6 1.7 2.0	3.6 5.4 7.7 5.5 3.4 1.9 1.2 0.7	28		
29	5.5 5.7 3.4 5.0	1.9 3.8 5.0 3.3	3.1 3.3 3.7 4.1 4.5 3.9 5.2 5.7	4.1 4.9 1.5 4.2 7.3	5.4 10.0 8.0	11.2 7.1 11.1 10.4 9.4 12.3	6.6 5.2 6.3	NA 5.4 2.2 2.9 3.1 6.7 6.9	10.5 11.4 14.0 8.5 12.1 8.3 3.0 4.0	29		
Mitt.	-3.7 -4.5 -4.6	NA -4.4 -4.2 -4.2 -4.6	-4.8 -4.2 -4.4 -4.2 -4.0 -4.6 -4.4 -4.9	-5.0 -4.3 -4.2 -5.5 -4.6	-5.0 -4.4 -3.5	-3.6 -5.1 -3.8 -3.4 -3.5	NA -4.8 -4.3 -3.1	NA -5.3 -5.2 -3.2 -3.3 -4.5 -3.3	-0.6 -1.4 -0.5 -1.7 -0.7 -1.0 -1.3 -1.8	Mitt.		





# L'anno 2011

Yearly Temperature Anomaly (degC) 2011 (Ref. 1961–1990)



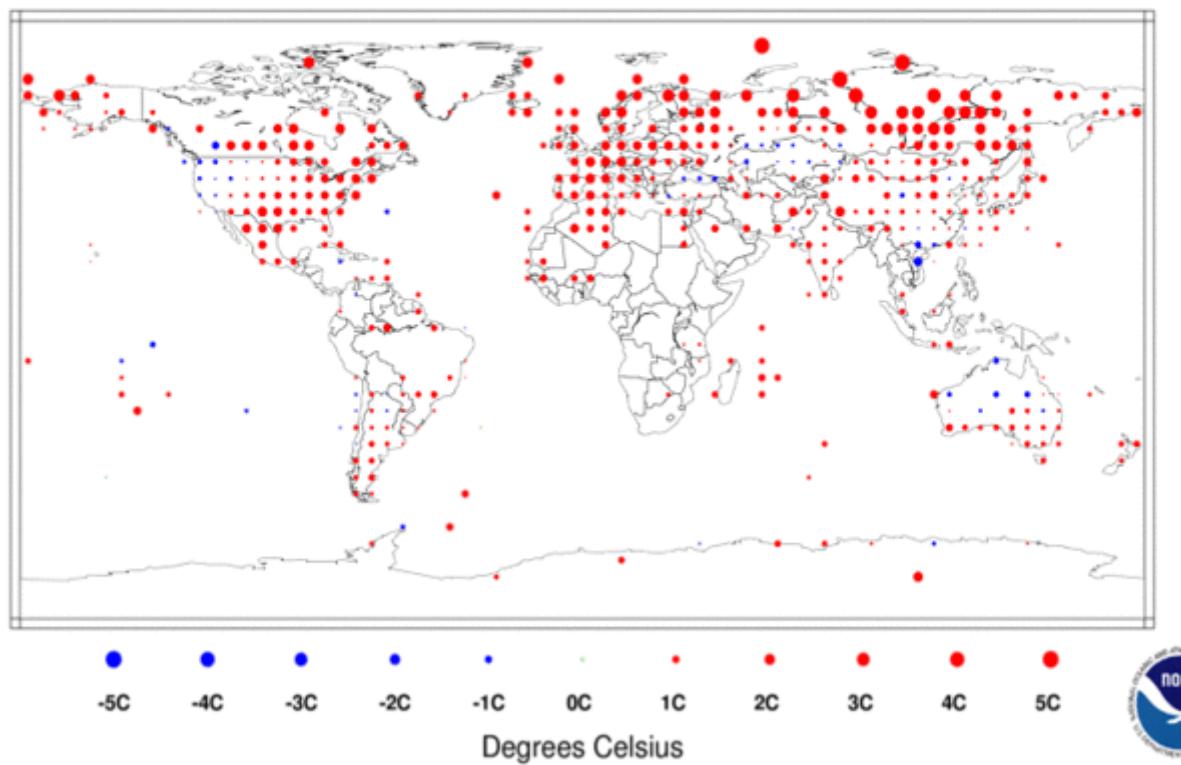


# L'anno 2011

## Temperature Anomalies Jan-Dec 2011

(with respect to a 1961-1990 base period)

National Climatic Data Center/NESDIS/NOAA





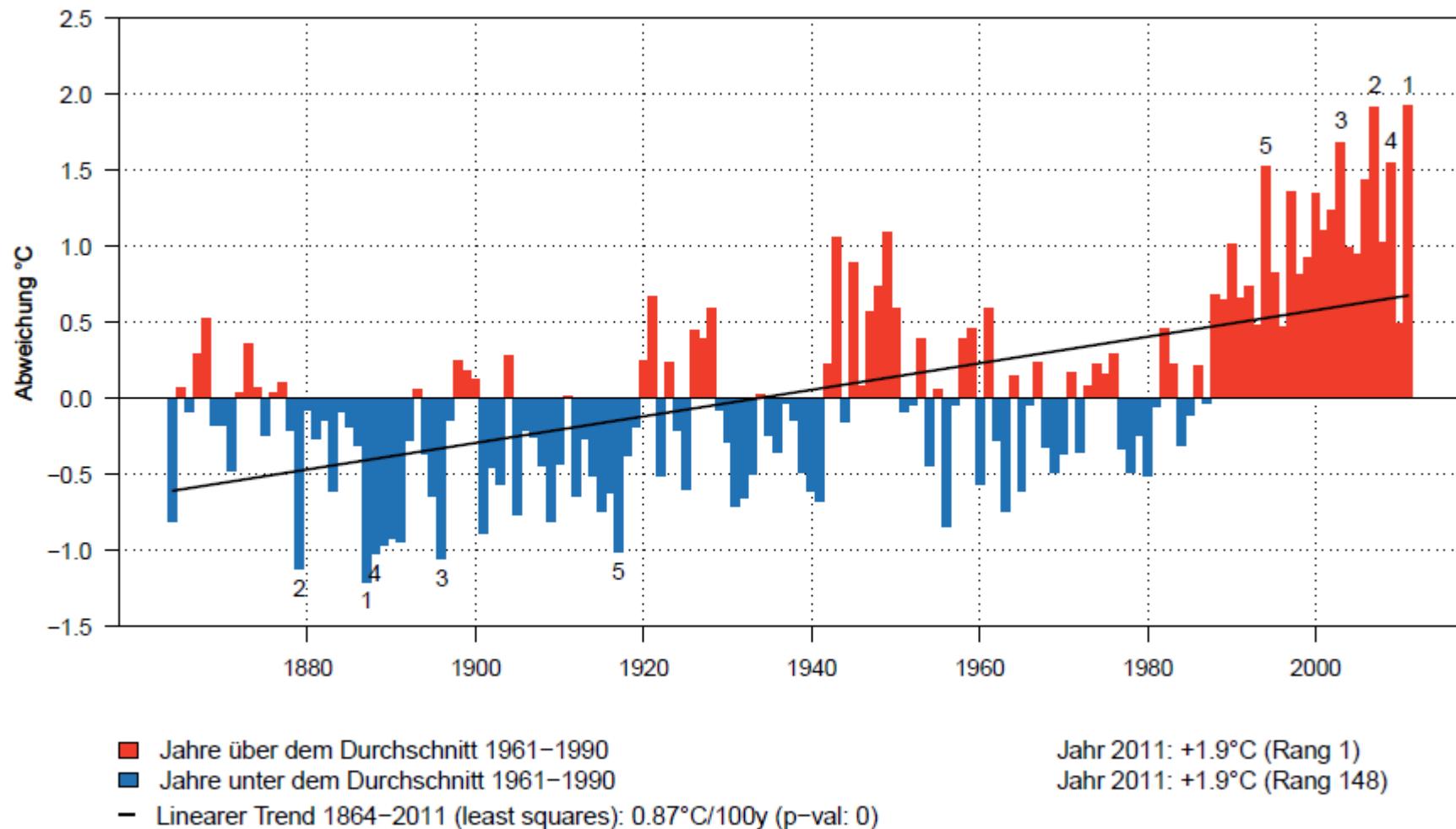
January–December	Anomaly		Rank (out of 132 years)	Records				
	°C	°F		Year(s)	°C	°F		
<b>Global</b>								
<b>Land</b>	+0.83 ± 0.18	+1.49 ± 0.32	8 <sup>th</sup> Warmest	Warmest: 2007	+1.05	+1.89		
			125 <sup>th</sup> Coolest	Coolest: 1907	-0.56	-1.01		
<b>Ocean</b>	+0.40 ± 0.03	+0.72 ± 0.05	11 <sup>th</sup> Warmest	Warmest: 2003	+0.52	+0.94		
			122 <sup>nd</sup> Coolest	Coolest: 1909	-0.45	-0.81		
	Ties: 2007							
<b>Land and Ocean</b>	+0.51 ± 0.08	+0.92 ± 0.14	11 <sup>th</sup> Warmest	Warmest: 2005, 2010	+0.64	+1.15		
			122 <sup>nd</sup> Coolest	Coolest: -0.42	-0.76	0.06		
	Ties: 1997							
<b>Northern Hemisphere</b>								
<b>Land</b>	+0.94 ± 0.24	+1.69 ± 0.43	6 <sup>th</sup> Warmest	Warmest: 2007	+1.19	+2.14		
			127 <sup>th</sup> Coolest	Coolest: 1884	-0.65	-1.17		
<b>Ocean</b>	+0.39 ± 0.04	+0.70 ± 0.07	13 <sup>th</sup> Warmest	Warmest: 2005	+0.54	+0.97		
			120 <sup>th</sup> Coolest	Coolest: -0.46	-0.83	0.05		
	+0.60 ± 0.14	+1.08 ± 0.25	10 <sup>th</sup> Warmest	Warmest: 2010	+0.75	+1.35		
			123 <sup>rd</sup> Coolest	Coolest: -0.43	-0.77	0.06		
Ties: 2001								
<b>Southern Hemisphere</b>								
<b>Land</b>	+0.52 ± 0.11	+0.94 ± 0.20	14 <sup>th</sup> Warmest	Warmest: 2005	+0.87	+1.57		
			119 <sup>th</sup> Coolest	Coolest: 1917	-0.71	-1.28		
	Ties: 1991							
<b>Ocean</b>	+0.41 ± 0.03	+0.74 ± 0.05	11 <sup>th</sup> Warmest	Warmest: 1998	+0.54	+0.97		
			122 <sup>nd</sup> Coolest	Coolest: 1911	-0.46	-0.83		
<b>Land and Ocean</b>	+0.43 ± 0.06	+0.77 ± 0.11	12 <sup>th</sup> Warmest	Warmest: 1998	+0.58	+1.04		
			121 <sup>st</sup> Coolest	Coolest: 1911	-0.47	-0.85		



# L' anno 2011

Jahres-Temperatur LUG 1864–2011

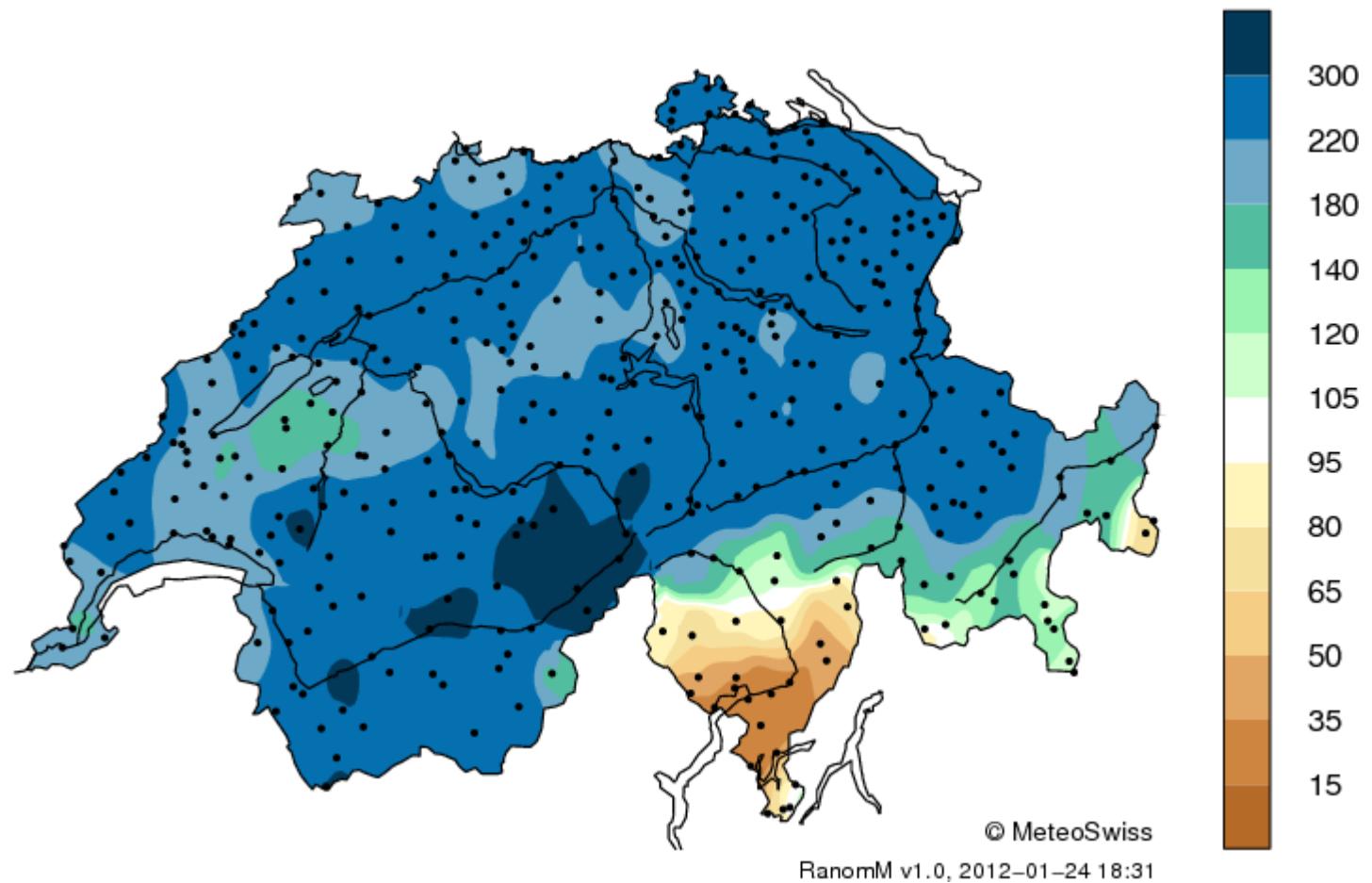
Abweichung vom Durchschnitt 1961–1990





# Precipitazioni: dicembre 2011

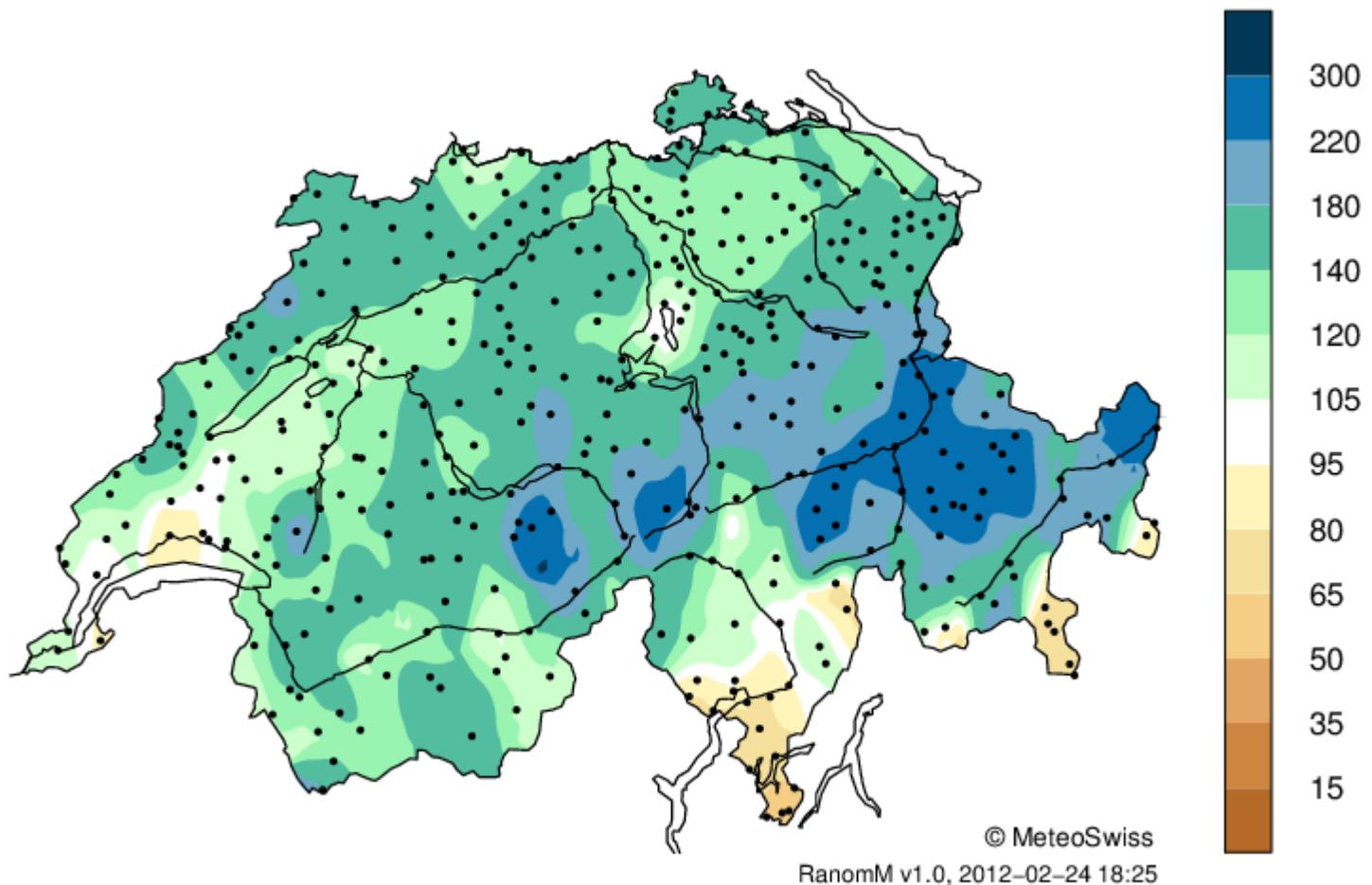
Monthly Precipitation Anomaly (%) Dec 2011 (Ref. 1961–1990)





# Precipitazioni: gennaio 2012

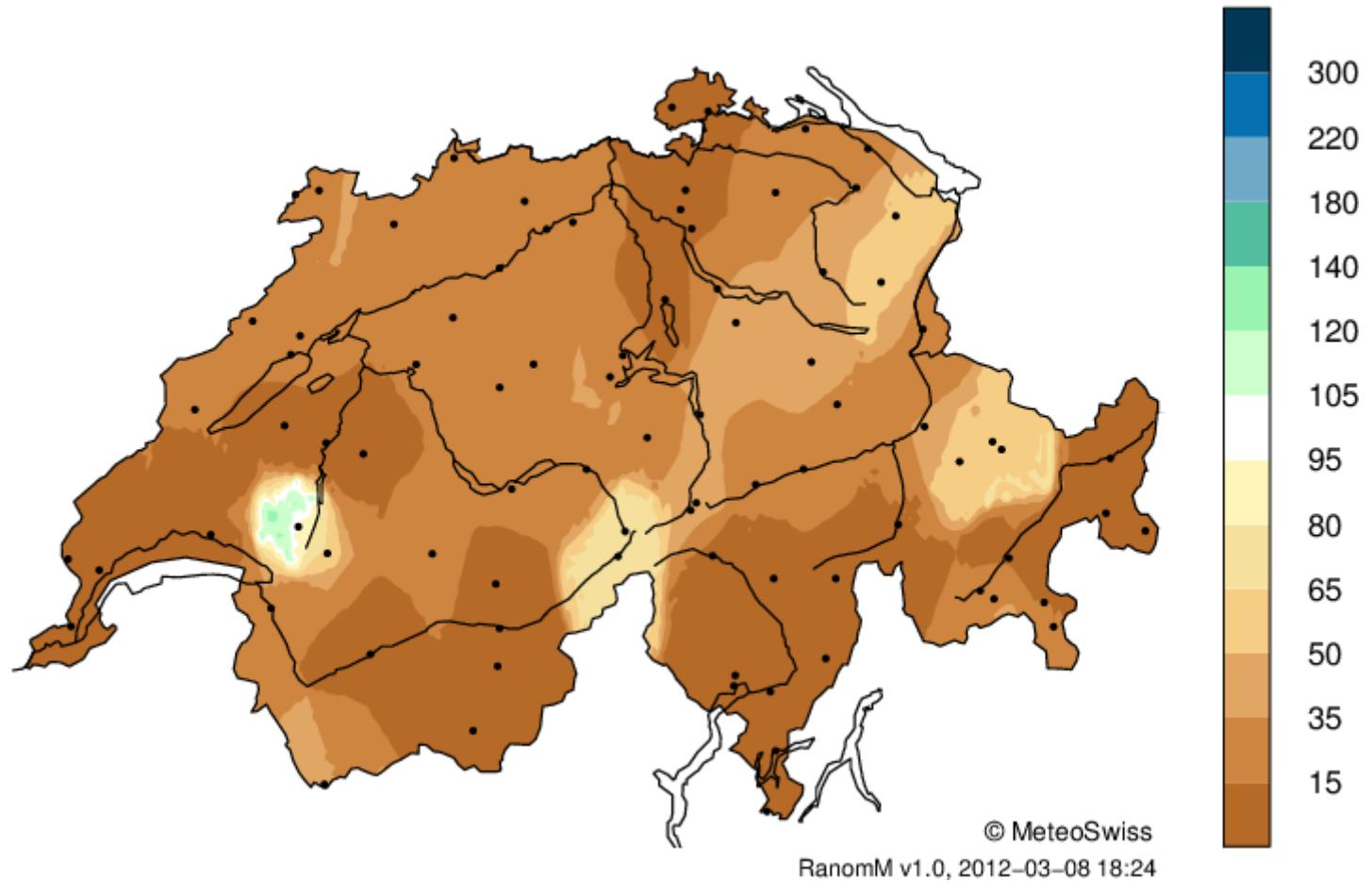
Monthly Precipitation Anomaly (%) Jan 2012 (Ref. 1961–1990)





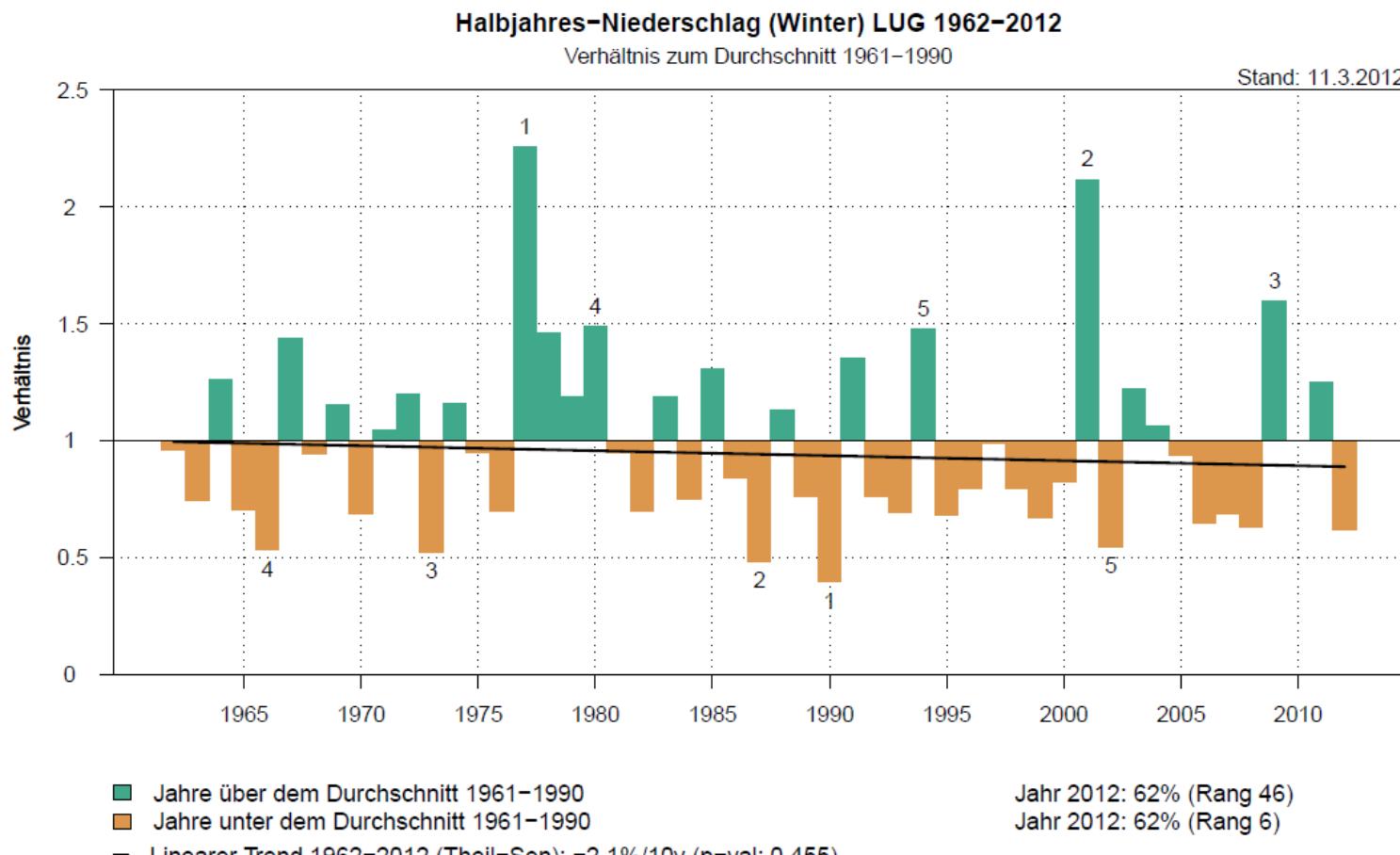
# Precipitazioni: febbraio 2012

Monthly Precipitation Anomaly (%) Feb 2012 (Ref. 1961–1990)





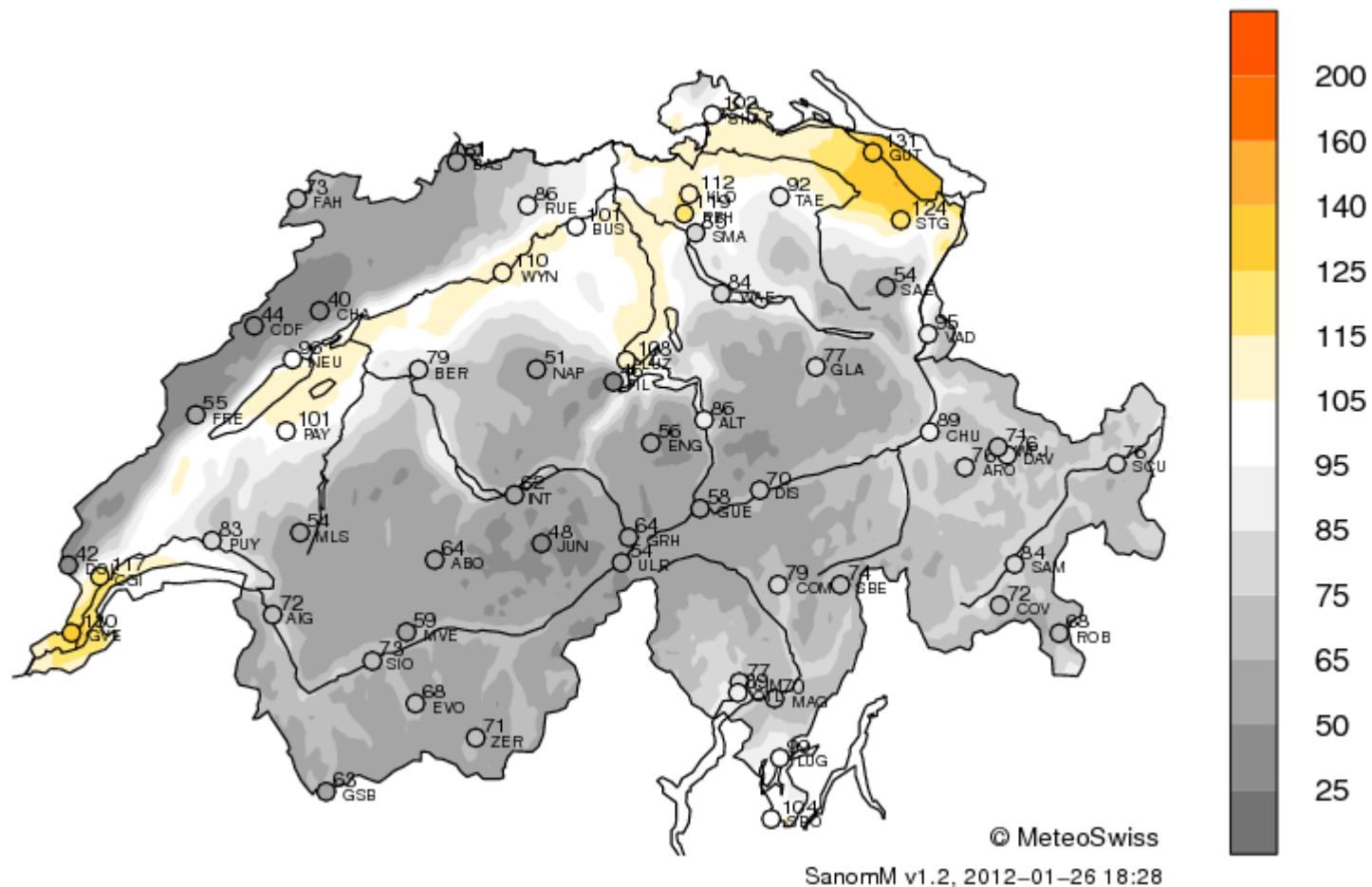
# L'inverno 2011-2012 rispetto agli altri





# Soleggiamento: anomalia dicembre

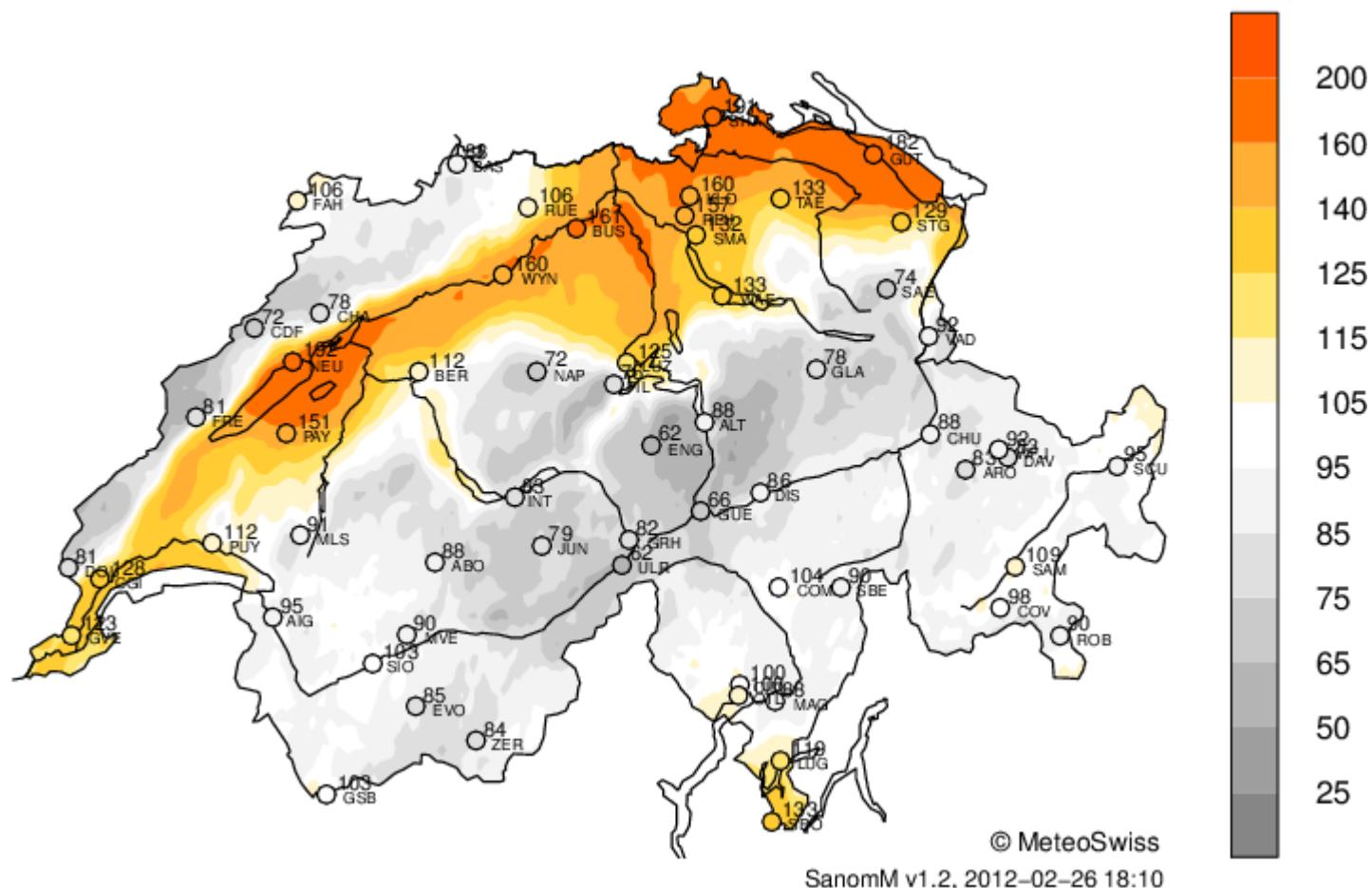
Monthly Sunshine Duration Anomaly (%) Dec 2011 (Ref. 1961–1990)





# Soleggiamento: anomalia gennaio

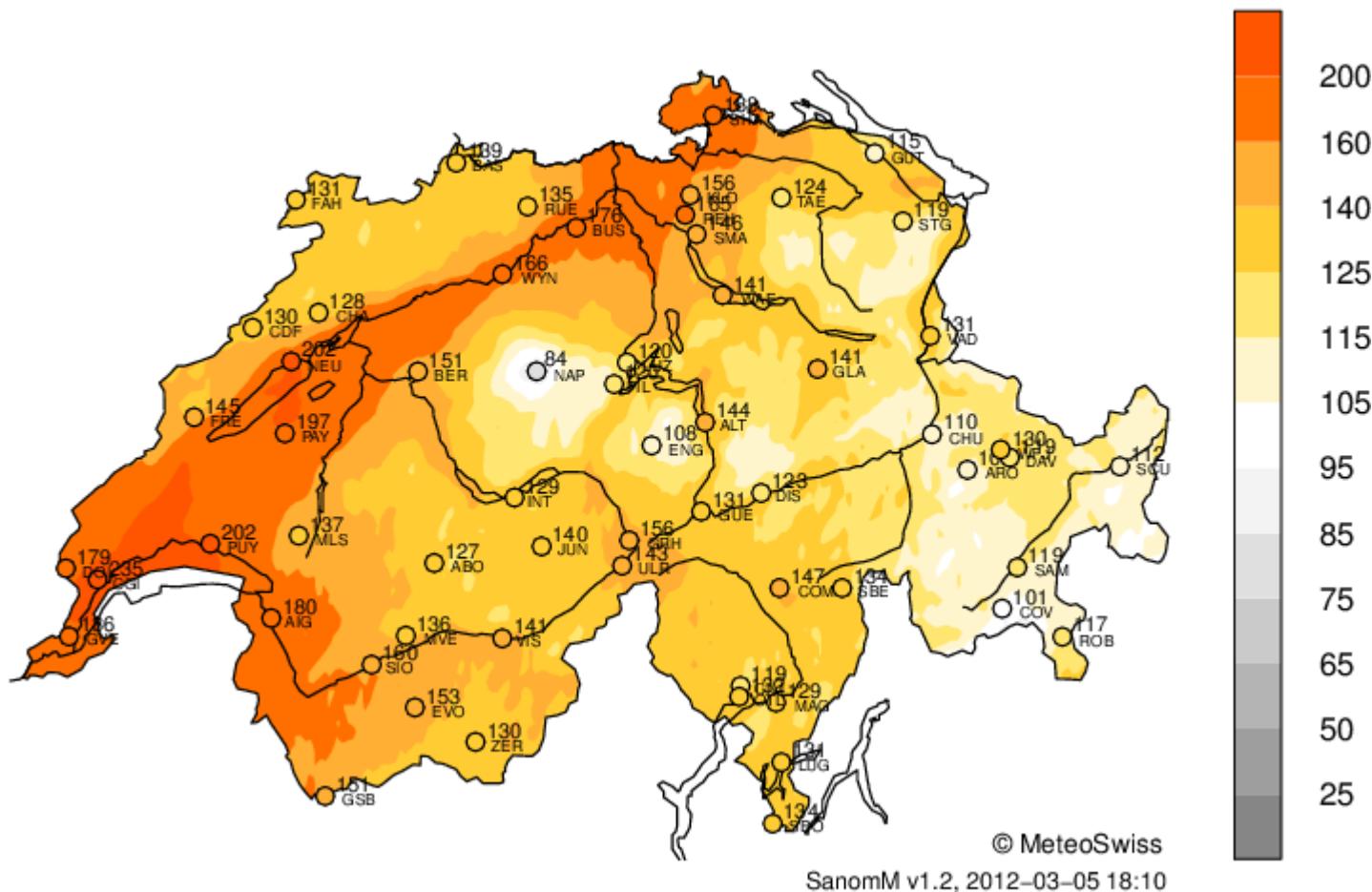
Monthly Sunshine Duration Anomaly (%) Jan 2012 (Ref. 1961–1990)





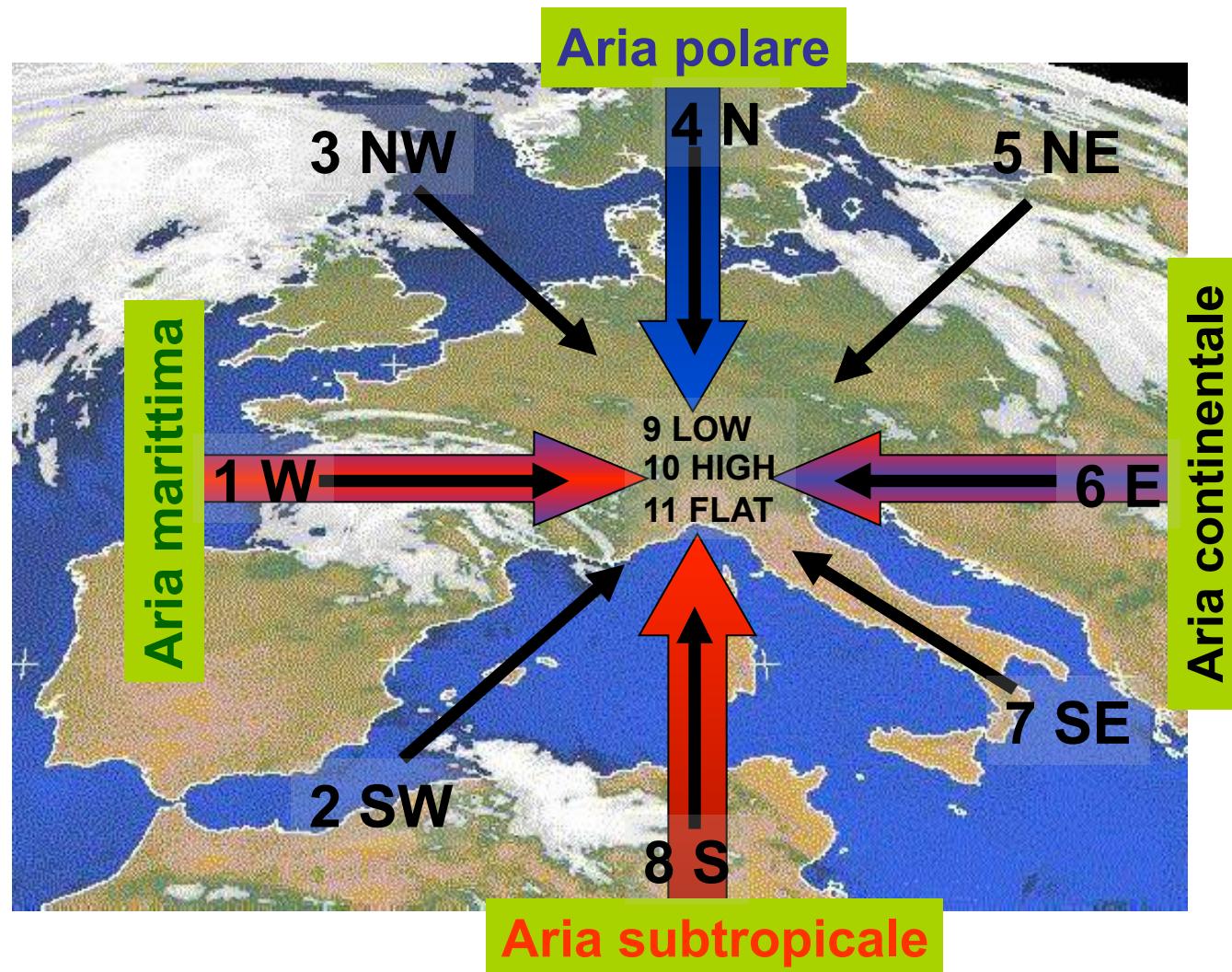
# Soleggiamento: anomalia febbraio

Monthly Sunshine Duration Anomaly (%) Feb 2012 (Ref. 1961–1990)



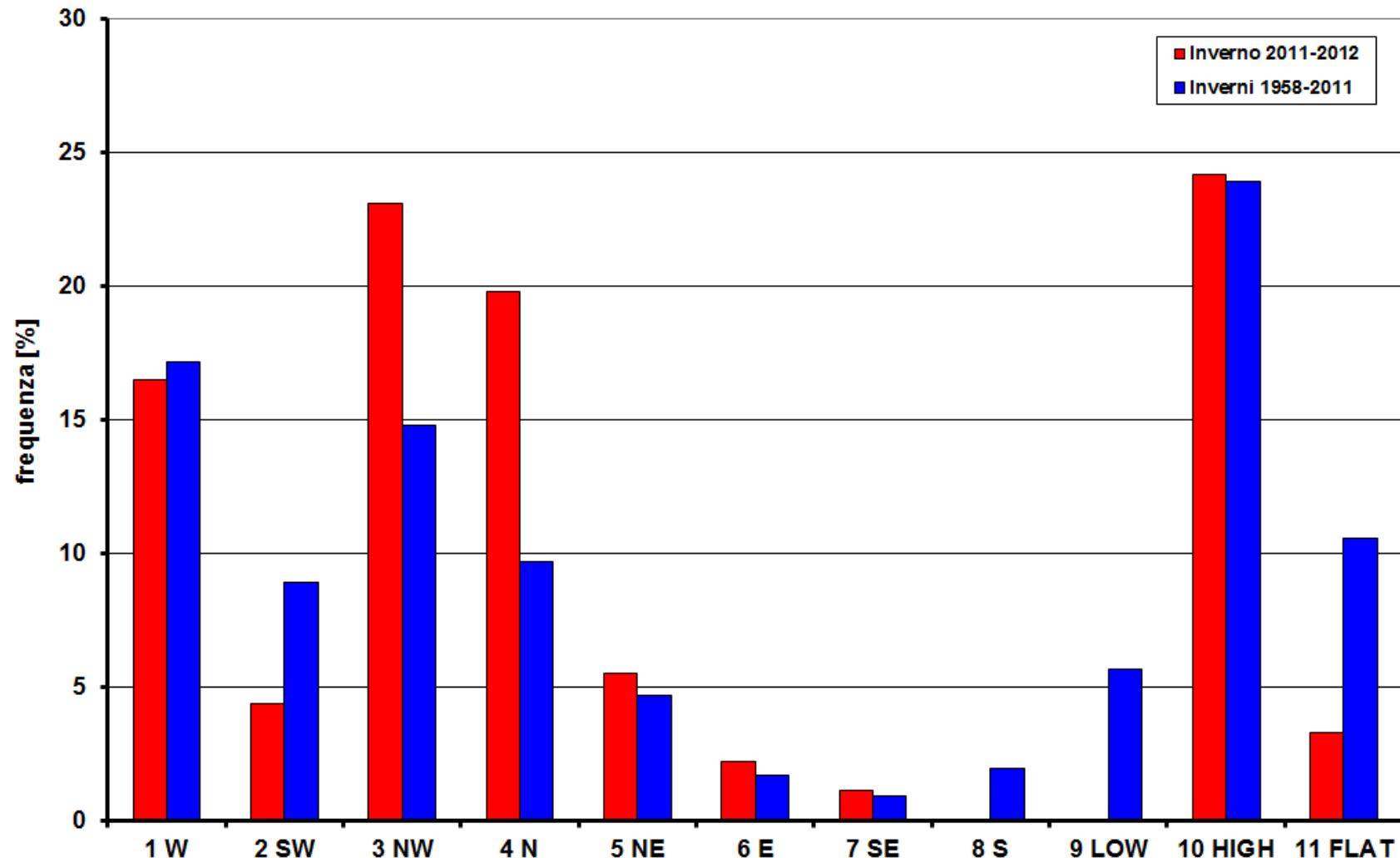


# Massa d'aria diverse, tempo diverso, situazioni diverse



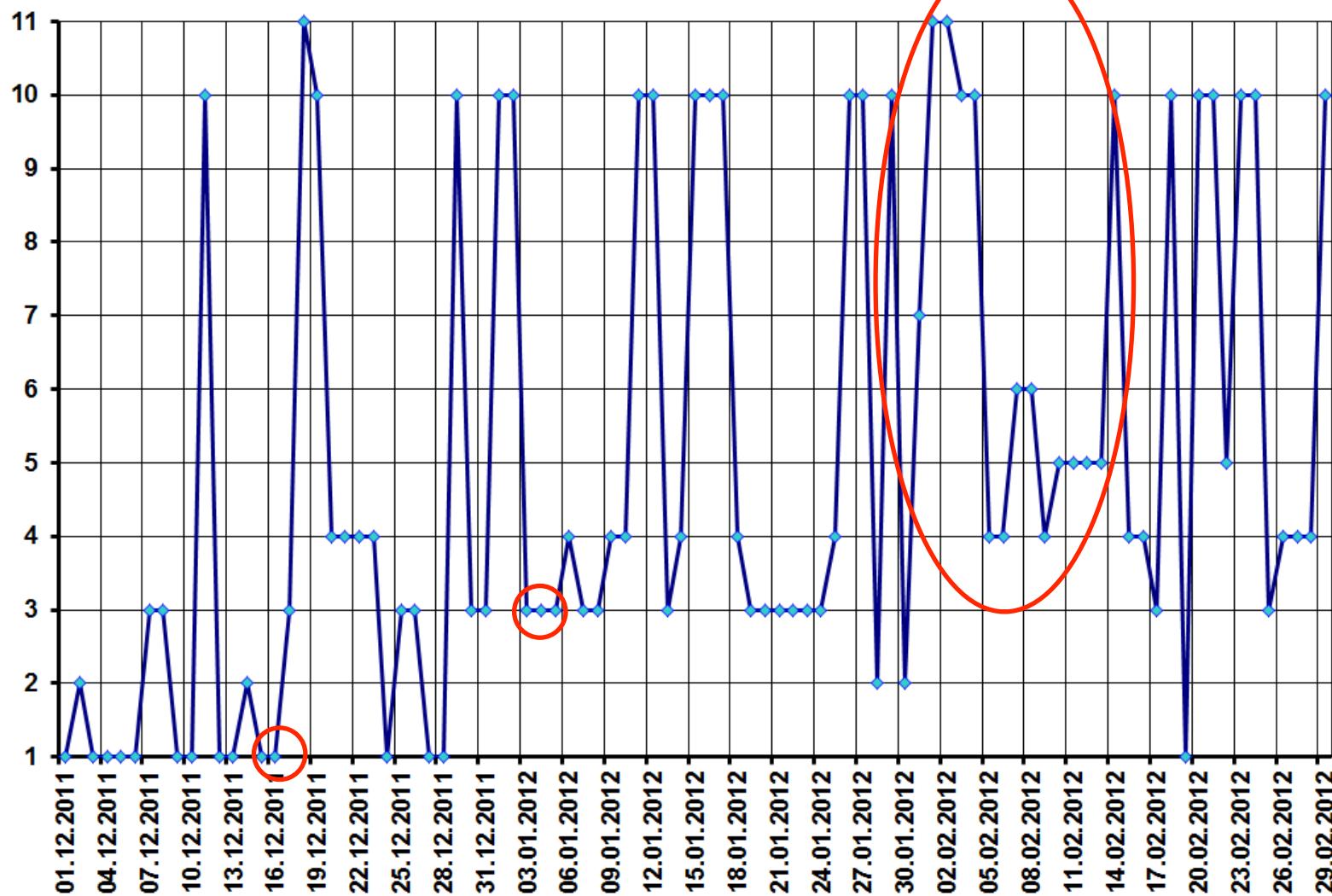


# La distribuzione delle situazioni nell' inverno 2011-2012



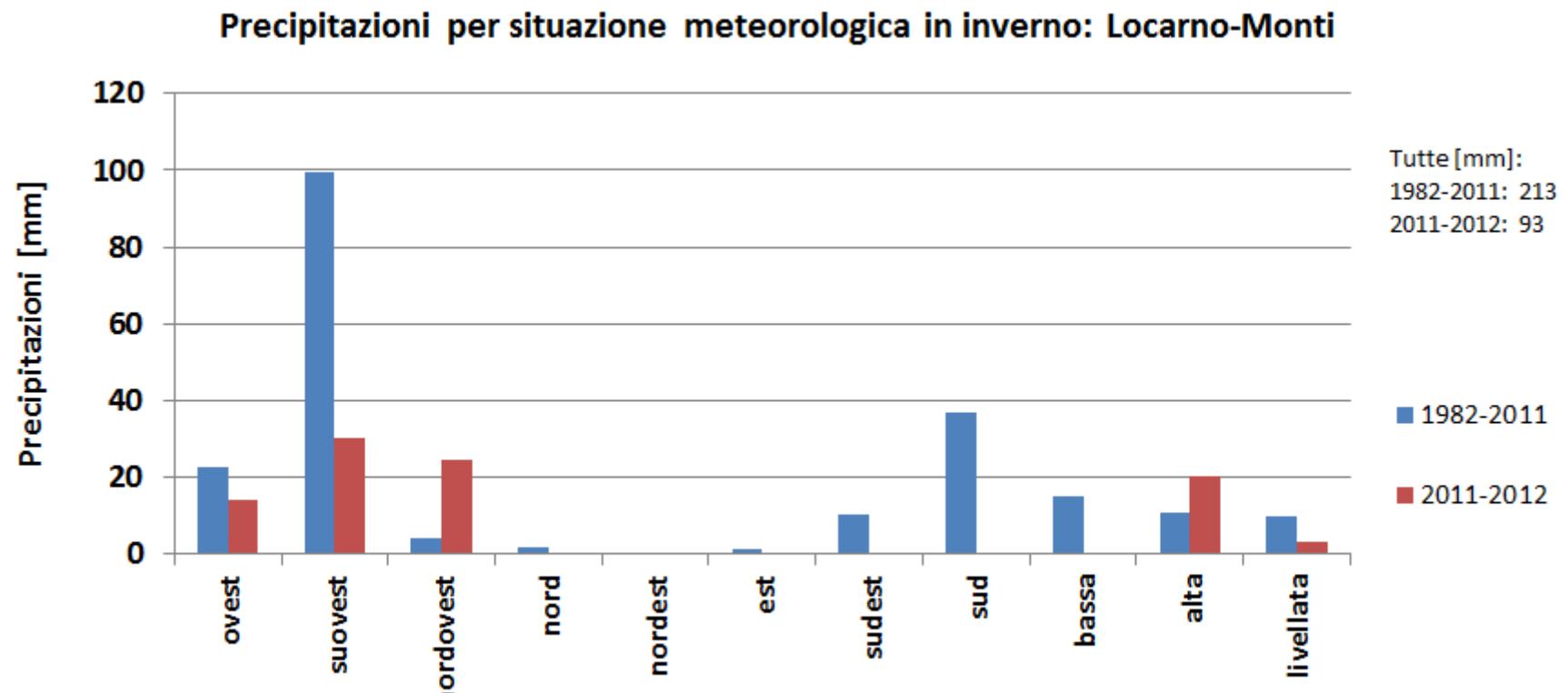


# L'evoluzione delle situazioni nell'inverno 2011-2012



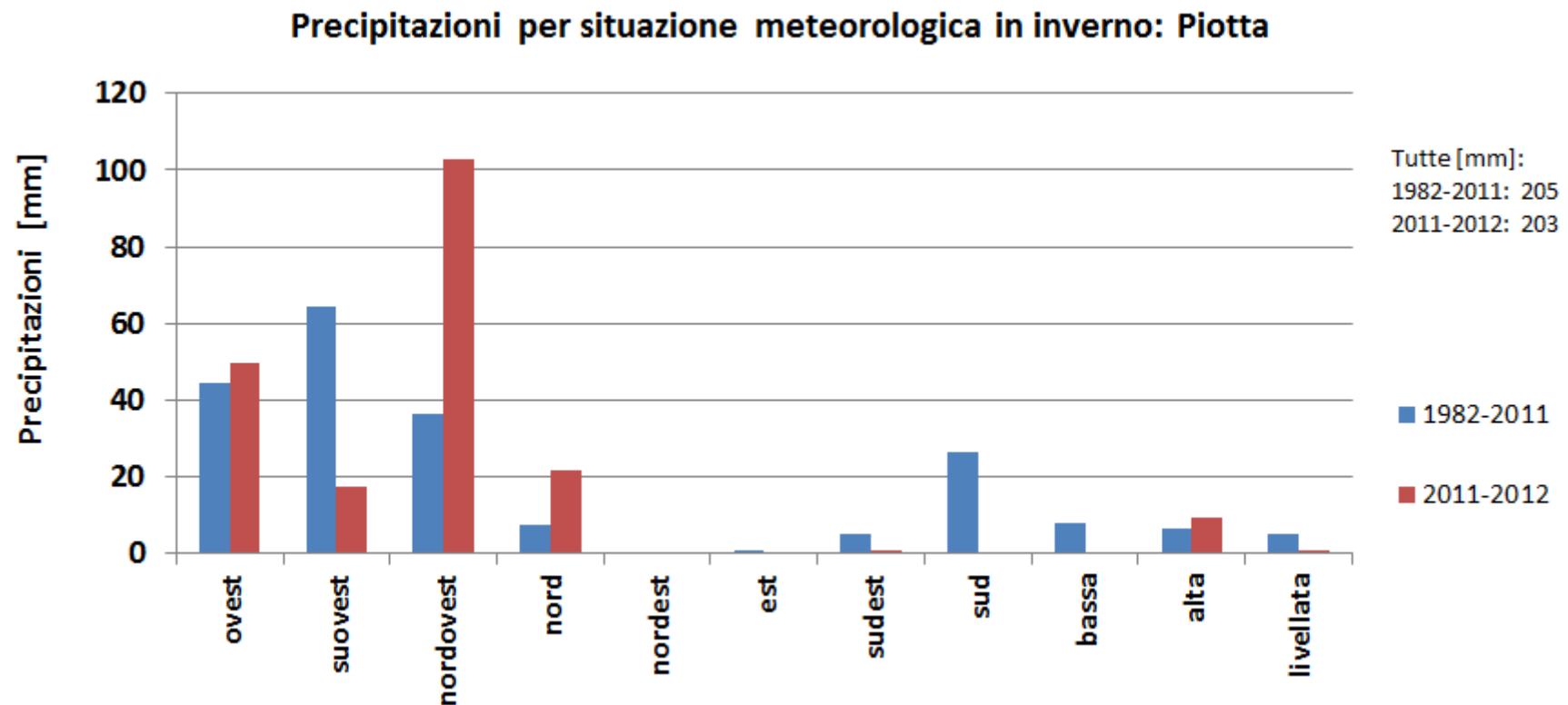


# Le precipitazioni per situazione





# Le precipitazioni per situazione







# Pressione al suolo media dicembre

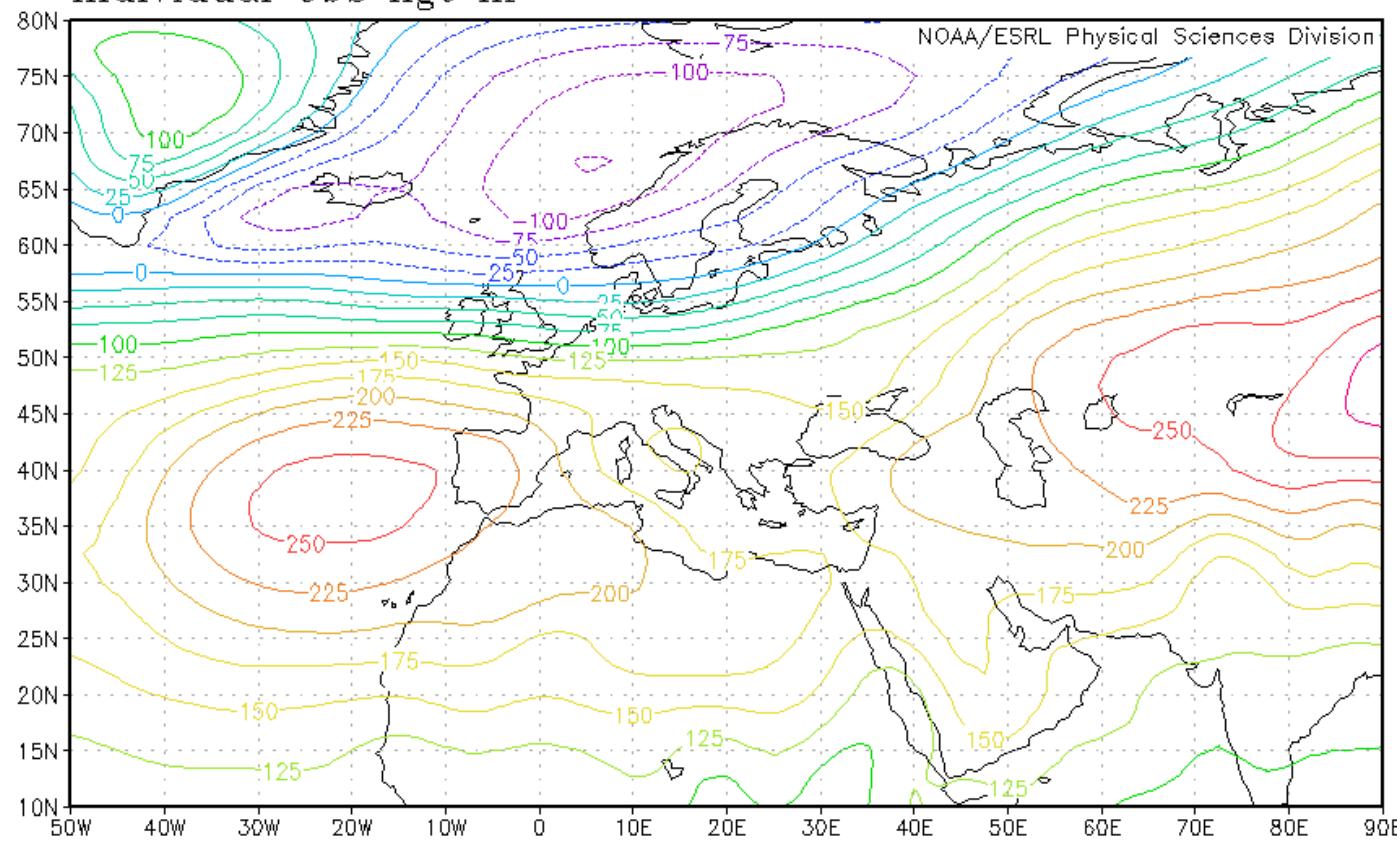
lon: plotted from -50 to 90

lat: plotted from 10 to 80.00

lev: 1000.00

t: averaged over Dec 1 2011 00 Z to Dec 31 2011 18 Z

Individual Obs hgt m



NCEP Reanalysis Pressure Level GrADS image



# Z@500: dicembre

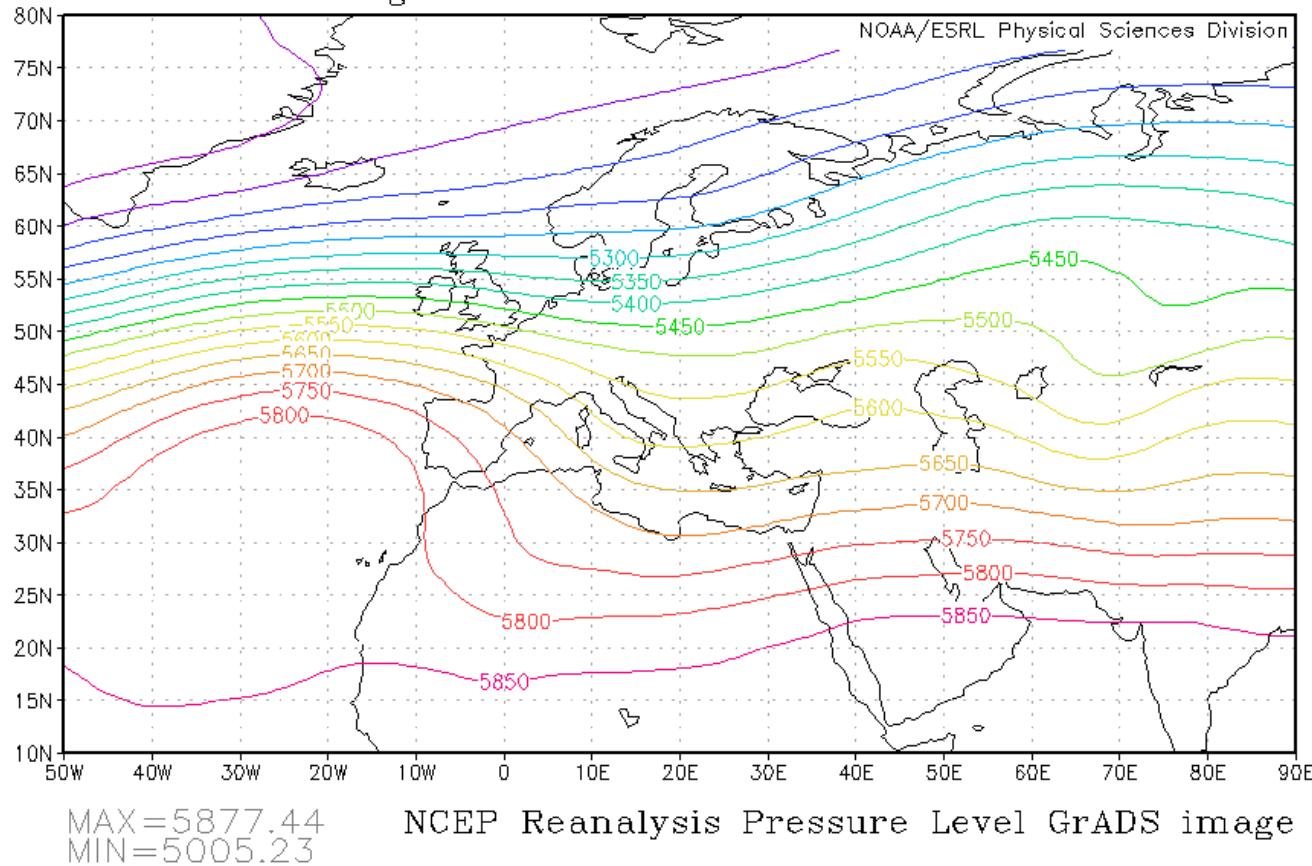
lon: plotted from -50 to 90

lat: plotted from 10 to 80.00

lev: 500.00

t: averaged over Dec 1 2011 00 Z to Dec 31 2011 18 Z

Individual Obs hgt m





# Pressione al suolo media gennaio

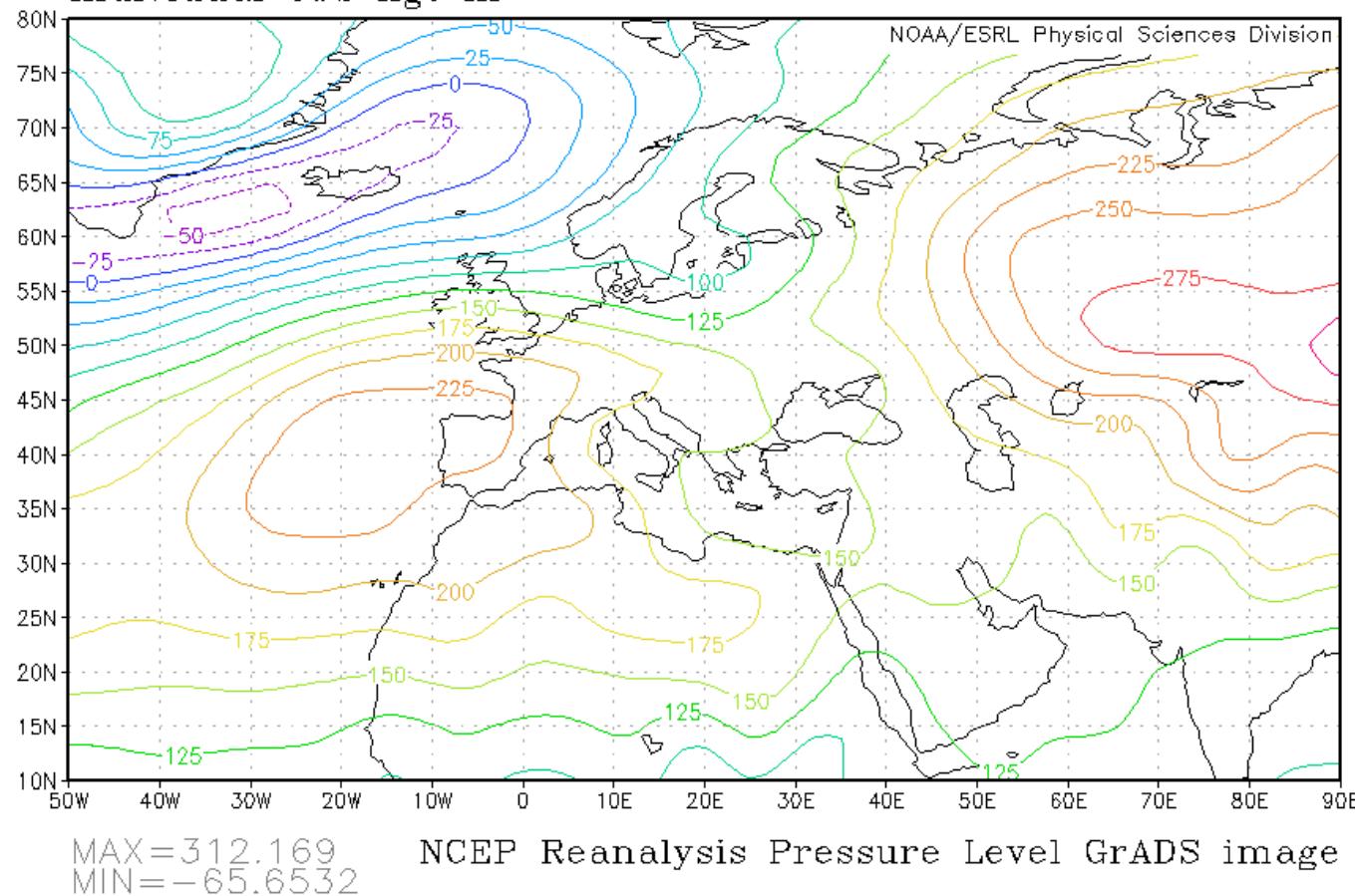
lon: plotted from -50 to 90

lat: plotted from 10 to 80.00

lev: 1000.00

t: averaged over Jan 1 2012 00 Z to Jan 31 2012 18 Z

Individual Obs hgt m

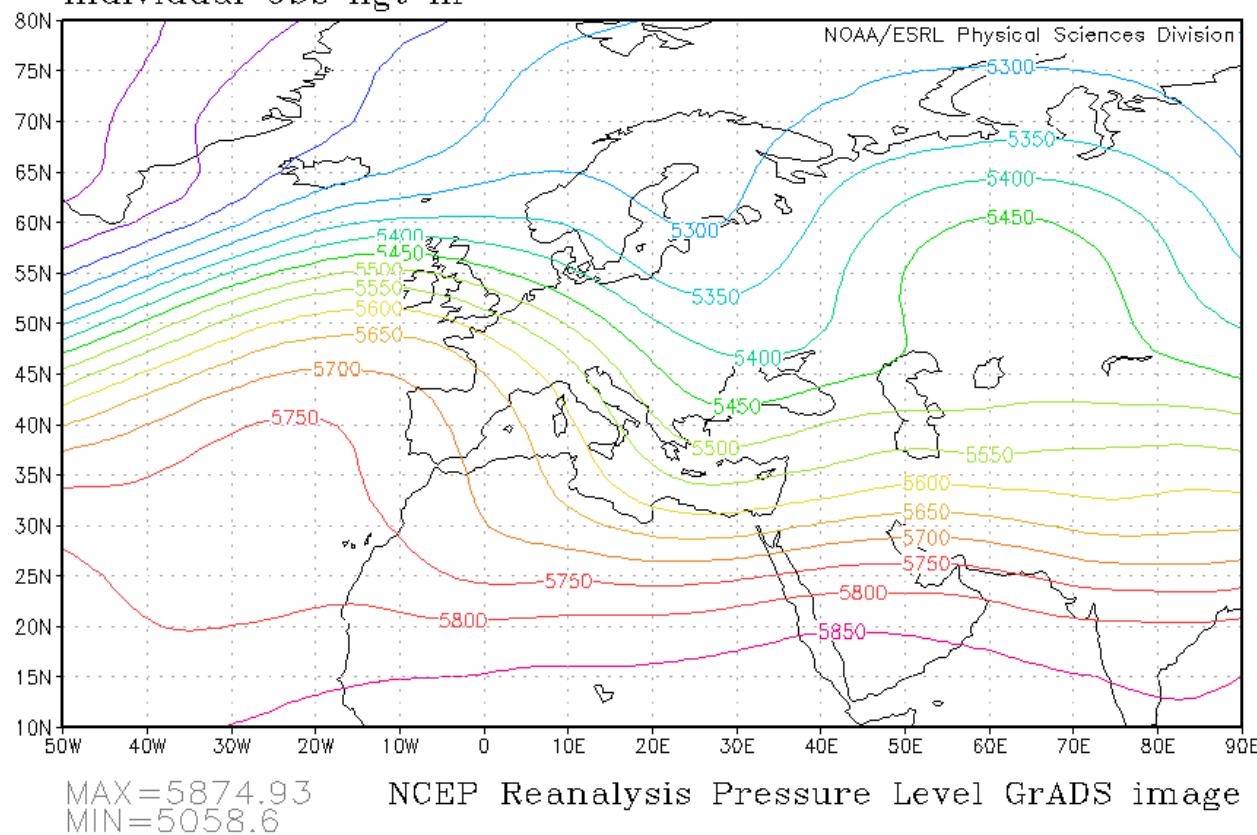




# Z@500: gennaio

lon: plotted from -50 to 90  
lat: plotted from 10 to 80.00  
lev: 500.00  
t: averaged over Jan 1 2012 00 Z to Jan 31 2012 18 Z

Individual Obs hgt m





# Pressione al suolo media febbraio

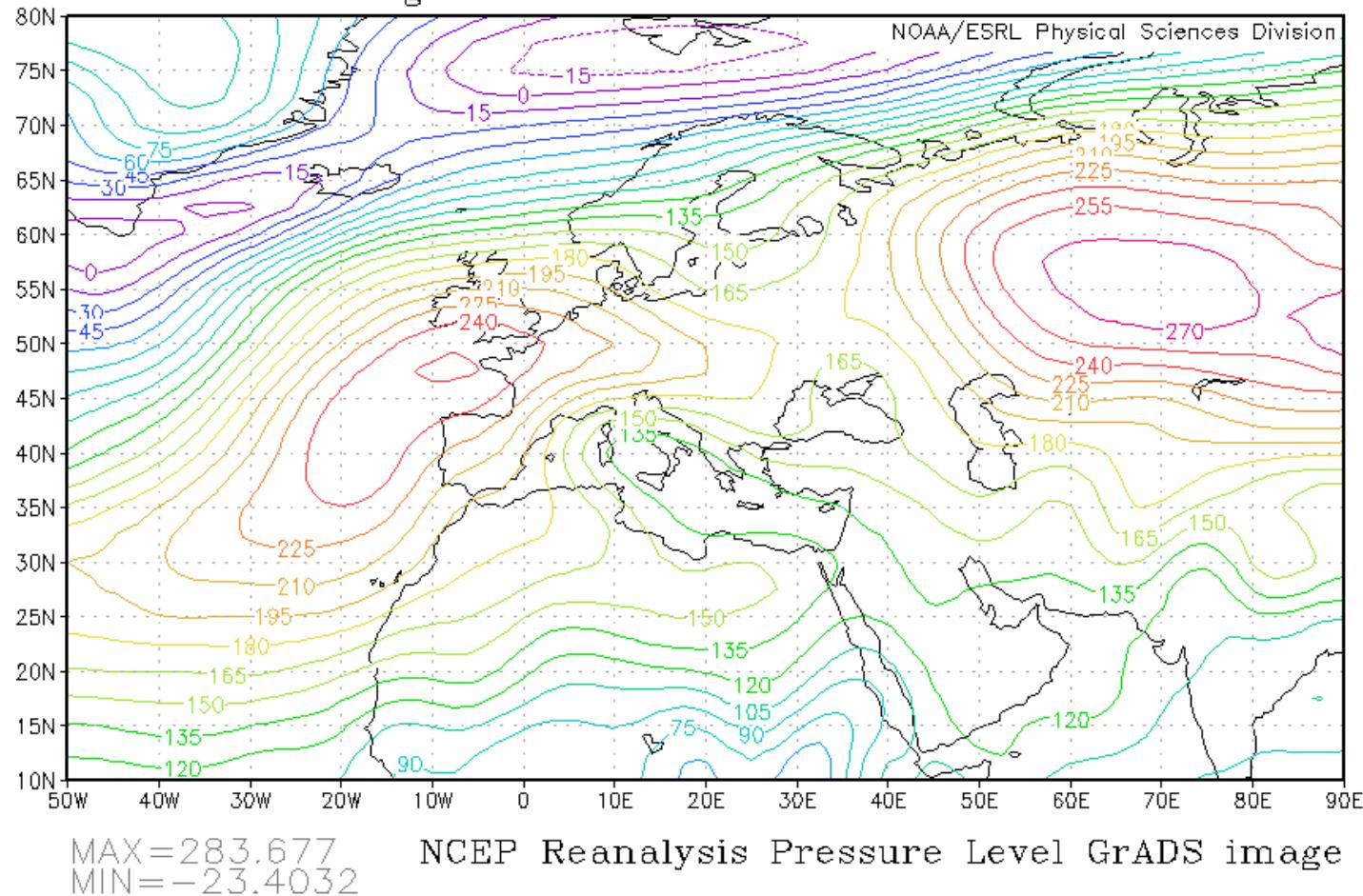
lon: plotted from -50 to 90

lat: plotted from 10 to 80.00

lev: 1000.00

t: averaged over Feb 1 2012 00 Z to Feb 31 2012 18 Z

Individual Obs hgt m





# Z@500: febbraio

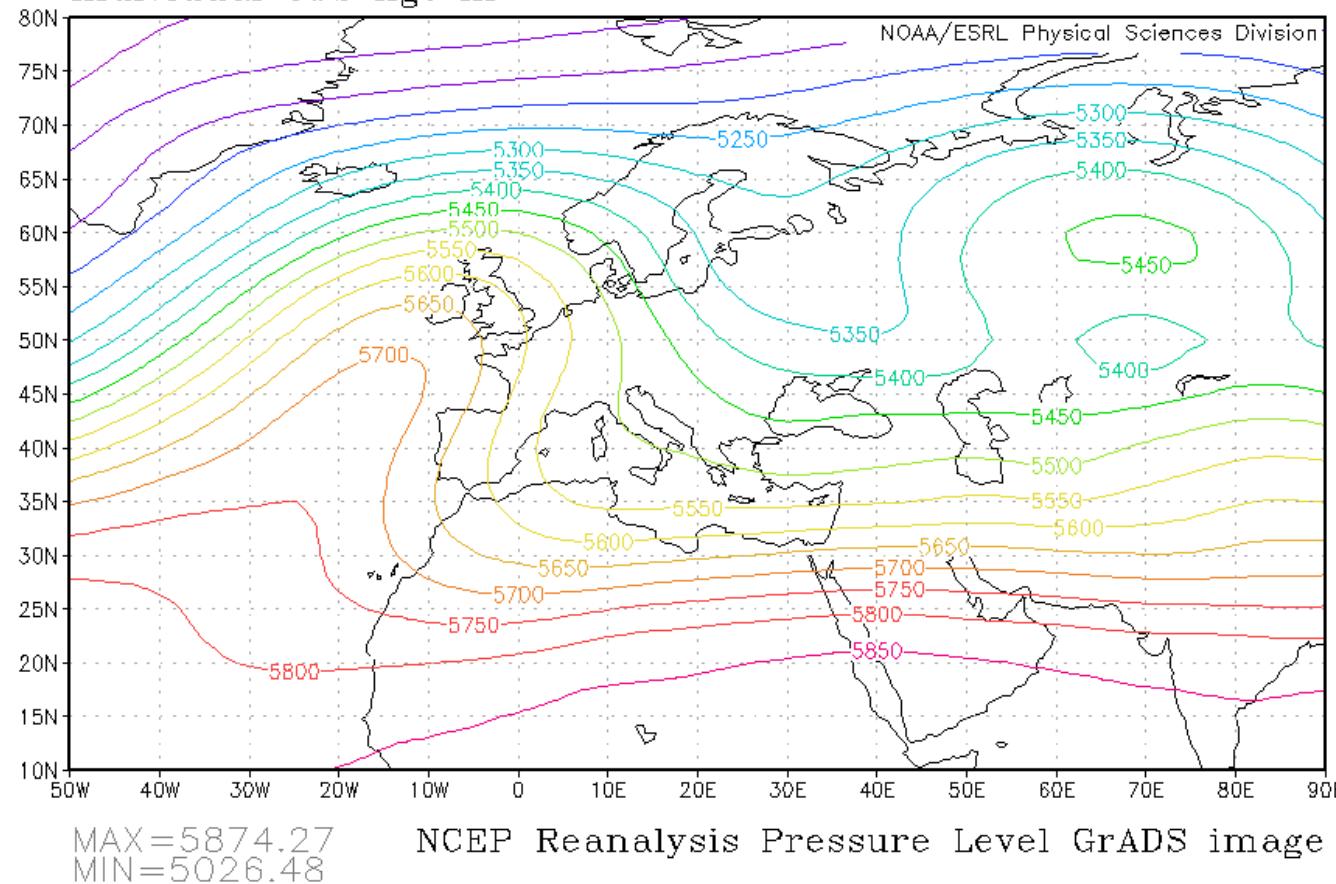
lon: plotted from -50 to 90

lat: plotted from 10 to 80.00

lev: 500.00

t: averaged over Feb 1 2012 00 Z to Feb 31 2012 18 Z

Individual Obs hgt m





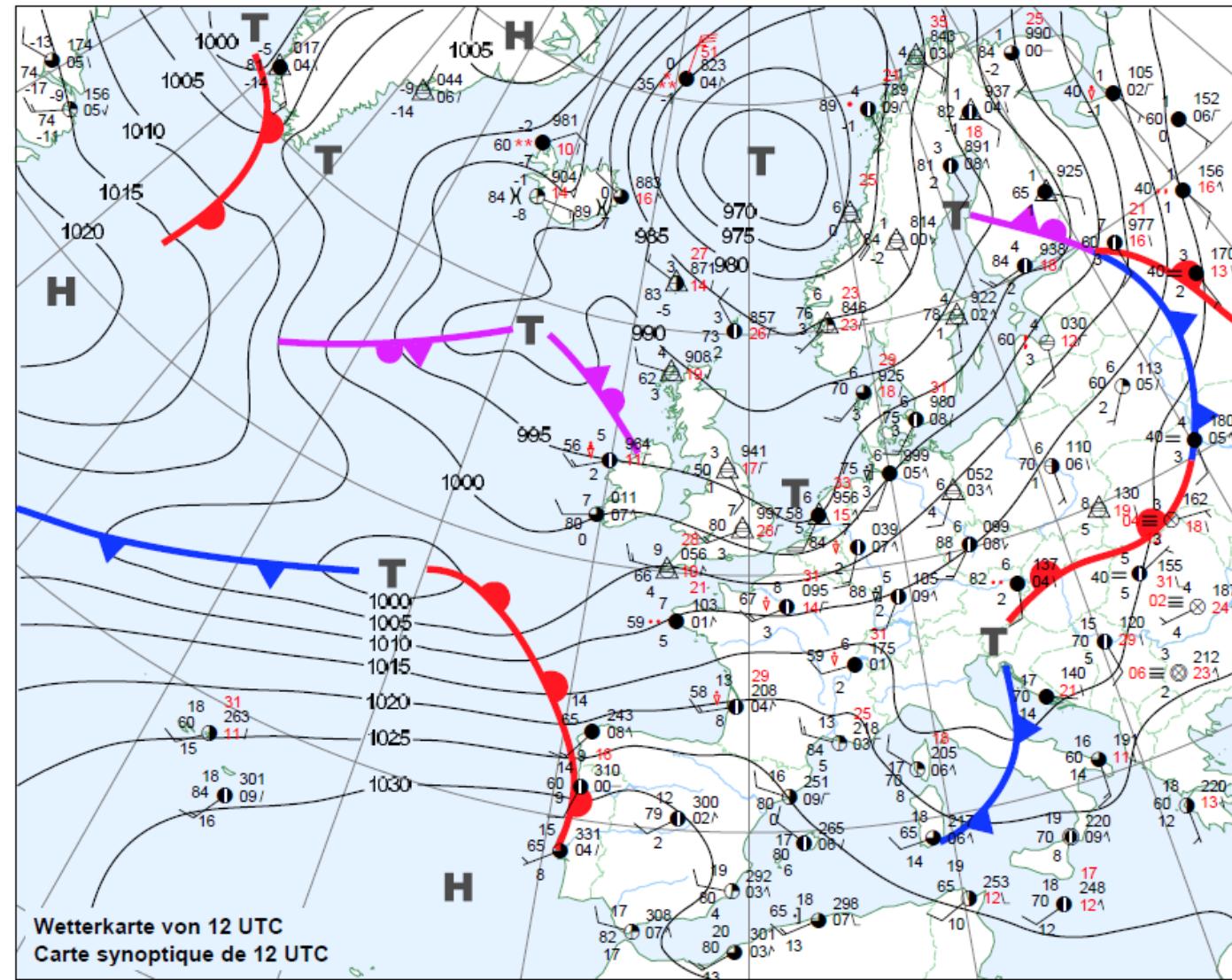
# 15-16.12.2011

Wetterübersicht vom Donnerstag  
Résumé météorologique du Jeudi

15.12.2011

Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

Eidgenössisches Departement des Innern EDI  
Département fédéral de l'Intérieur DFI  
Bundesamt für Meteorologie und Klimatologie MeteoSchweiz  
Office fédéral de météorologie et de climatologie MétéoSuisse





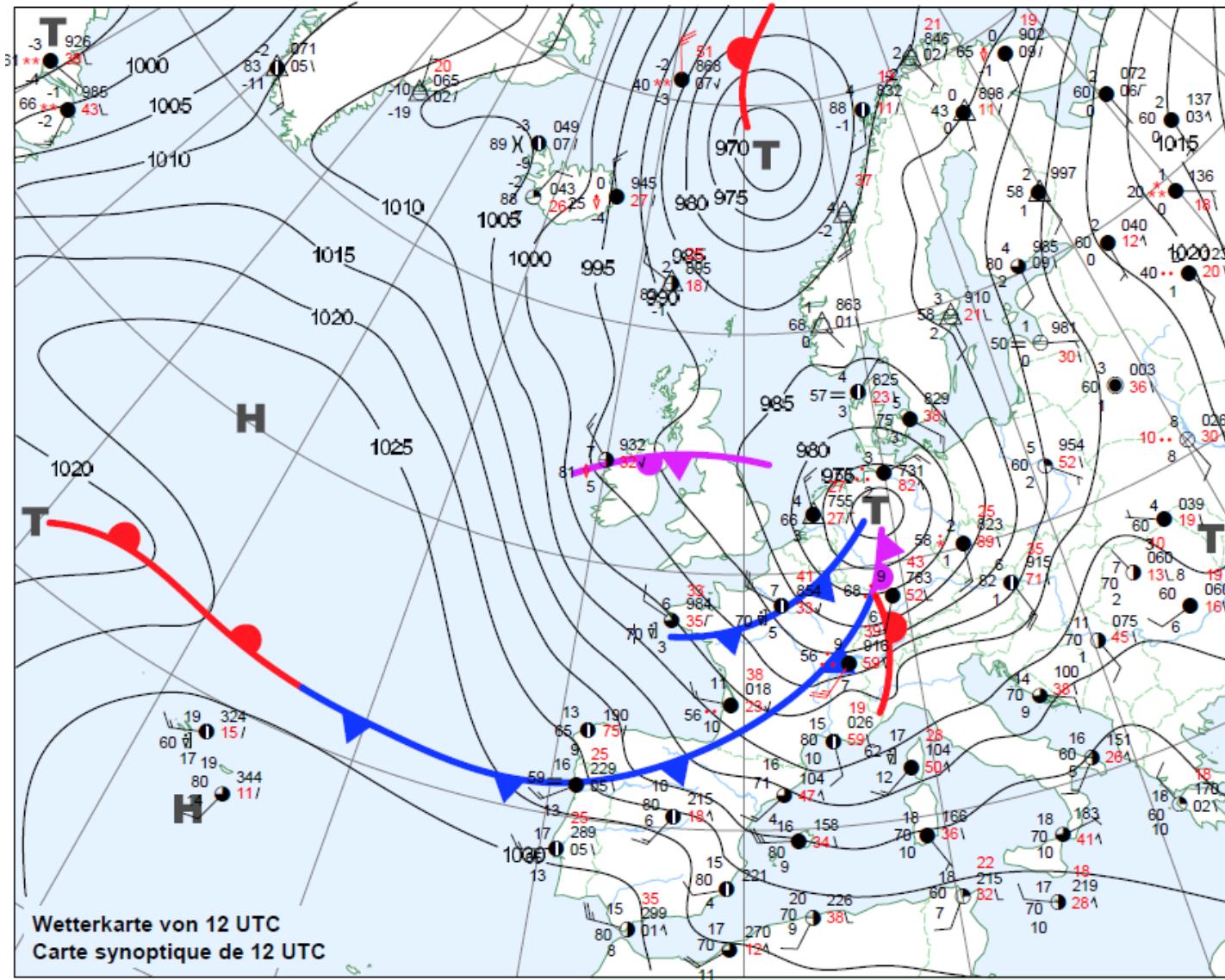
# 15-16.12.2011

Wetterübersicht vom Freitag  
Résumé météorologique du Vendredi

16.12.2011

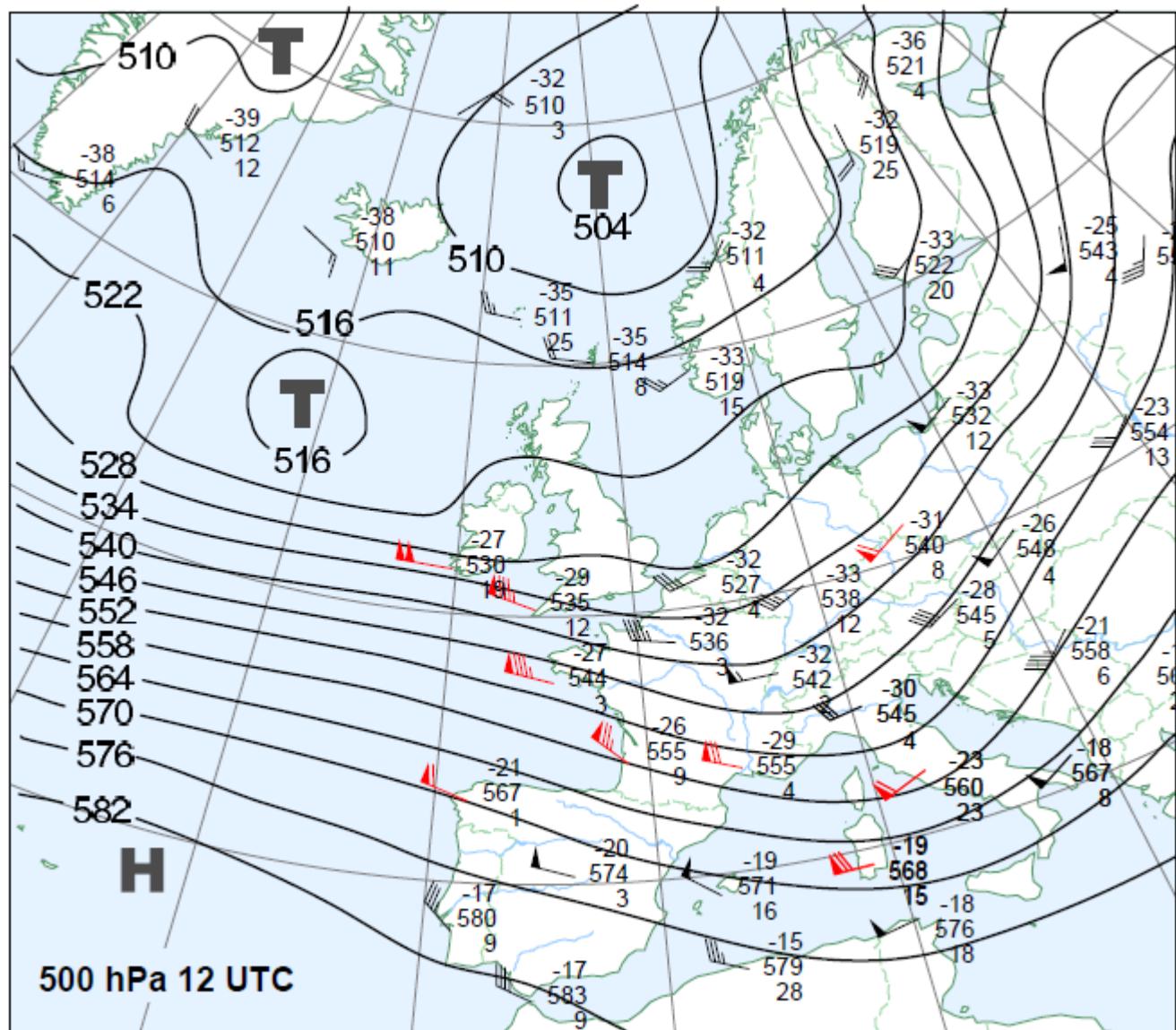
Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

Eidgenössisches Departement des Innern EDI  
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Bundesamt für Meteorologie und Klimatologie MeteoSchweiz  
Office fédéral de météorologie et de climatologie MétéoSuisse



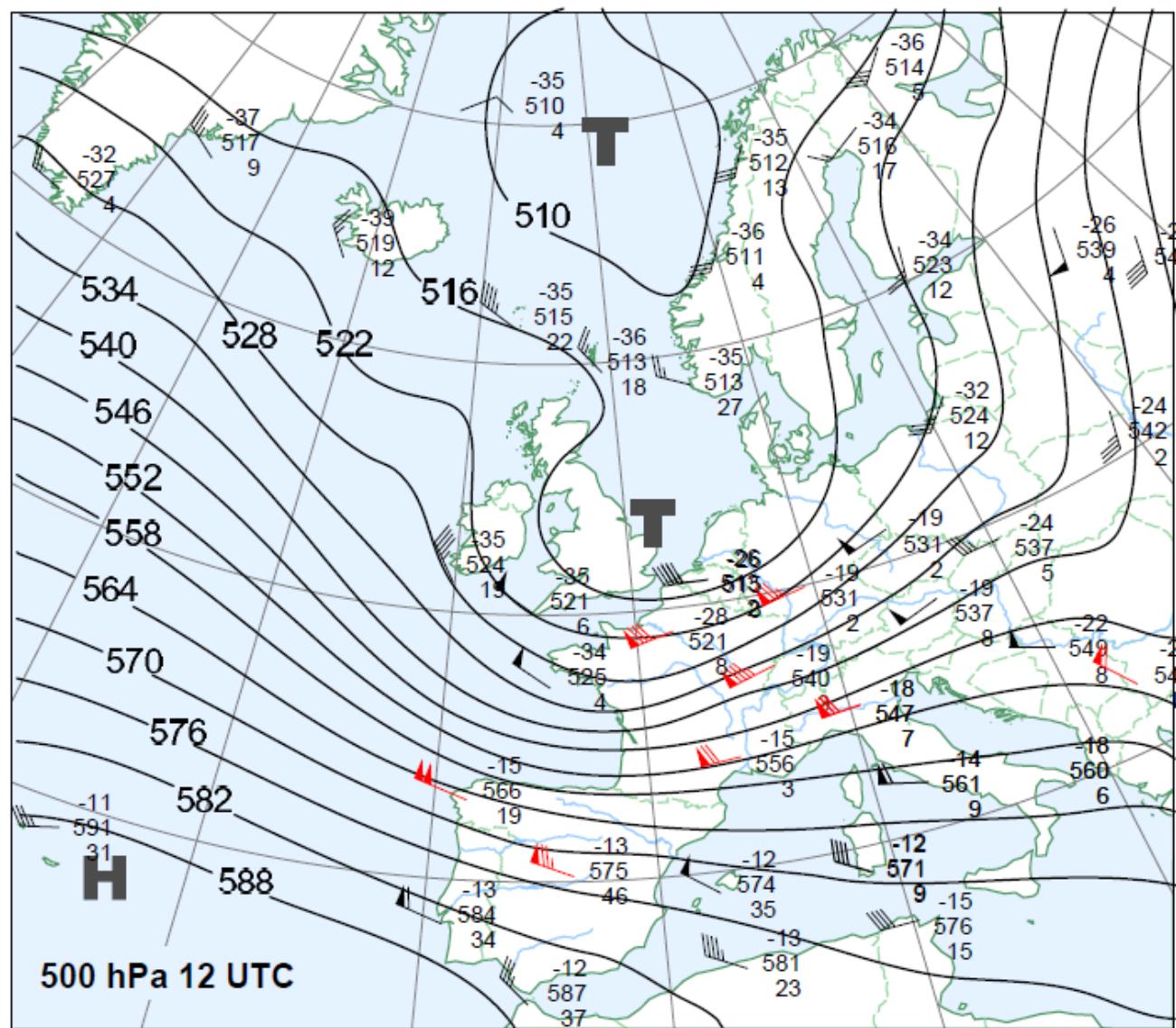


**15-16.12.2011**





**15-16.12.2011**



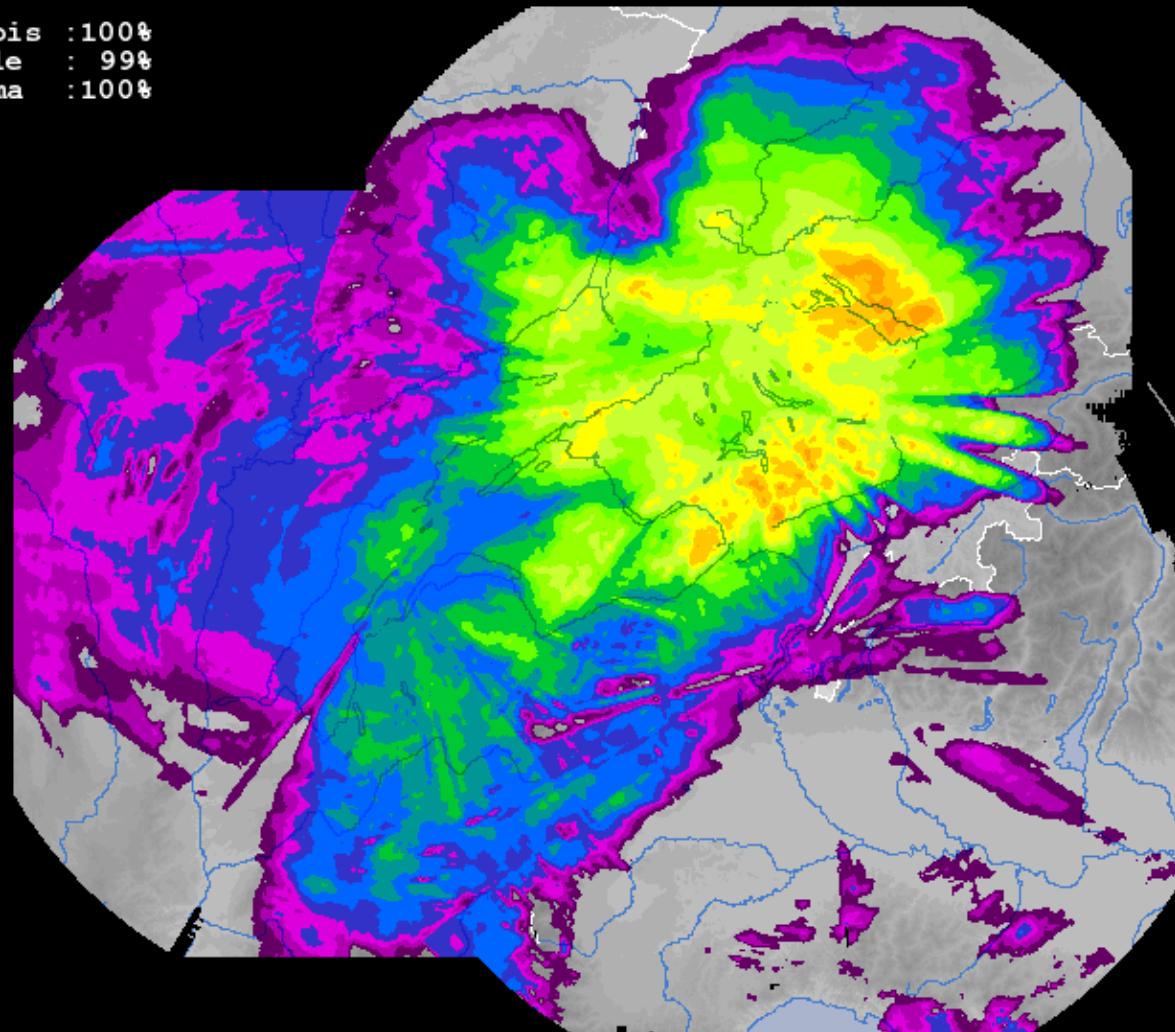


# 16.12.2011: stima precipitazioni radar

Radar accumulation:113510000

17.12.2011 00:00 UTC -24h

Albis : 100%  
Dole : 99%  
Lema : 100%



source: MeteoSwiss





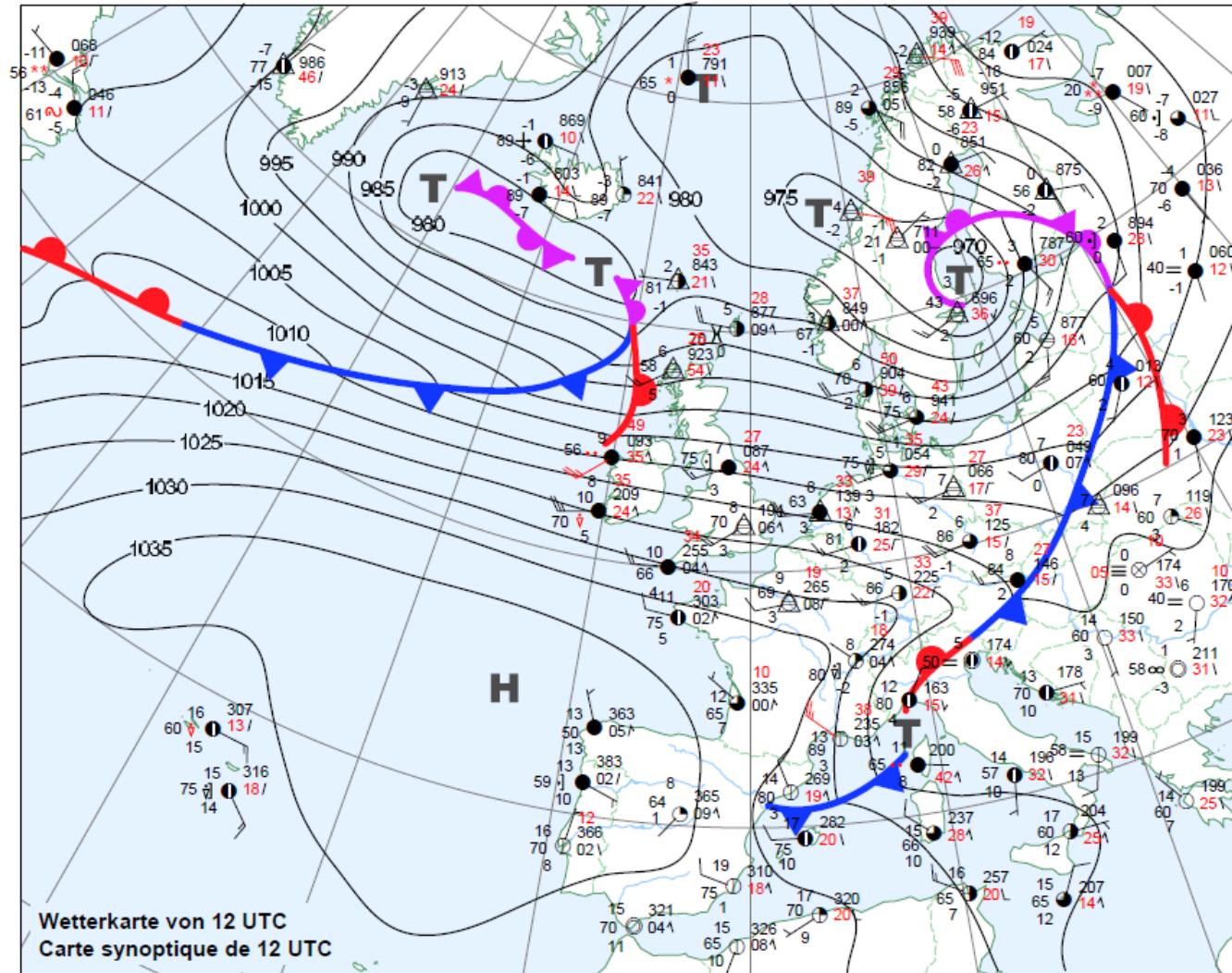
# 5.1.2012

## Wetterübersicht vom Mittwoch Résumé météorologique du Mercredi

4.1.2012

Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

Eidgenössisches Departement des Innern EDI  
Département fédéral de l'Intérieur DFI  
Bundesamt für Meteorologie und Klimatologie MeteoSchweiz  
Office fédéral de météorologie et de climatologie MétéoSuisse





# 5.1.2012

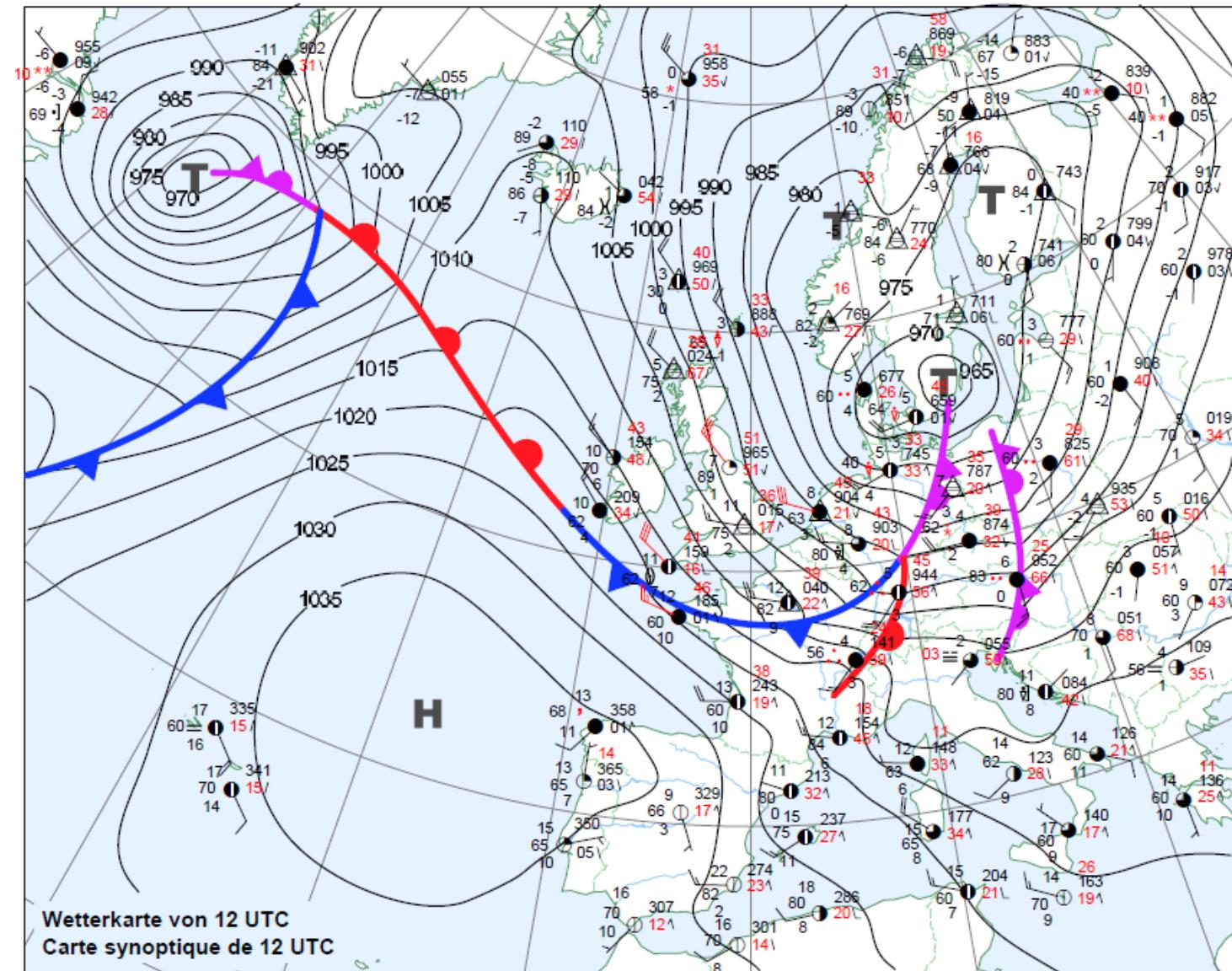
Wetterübersicht vom Donnerstag  
Résumé météorologique du Jeudi

5.1.2012



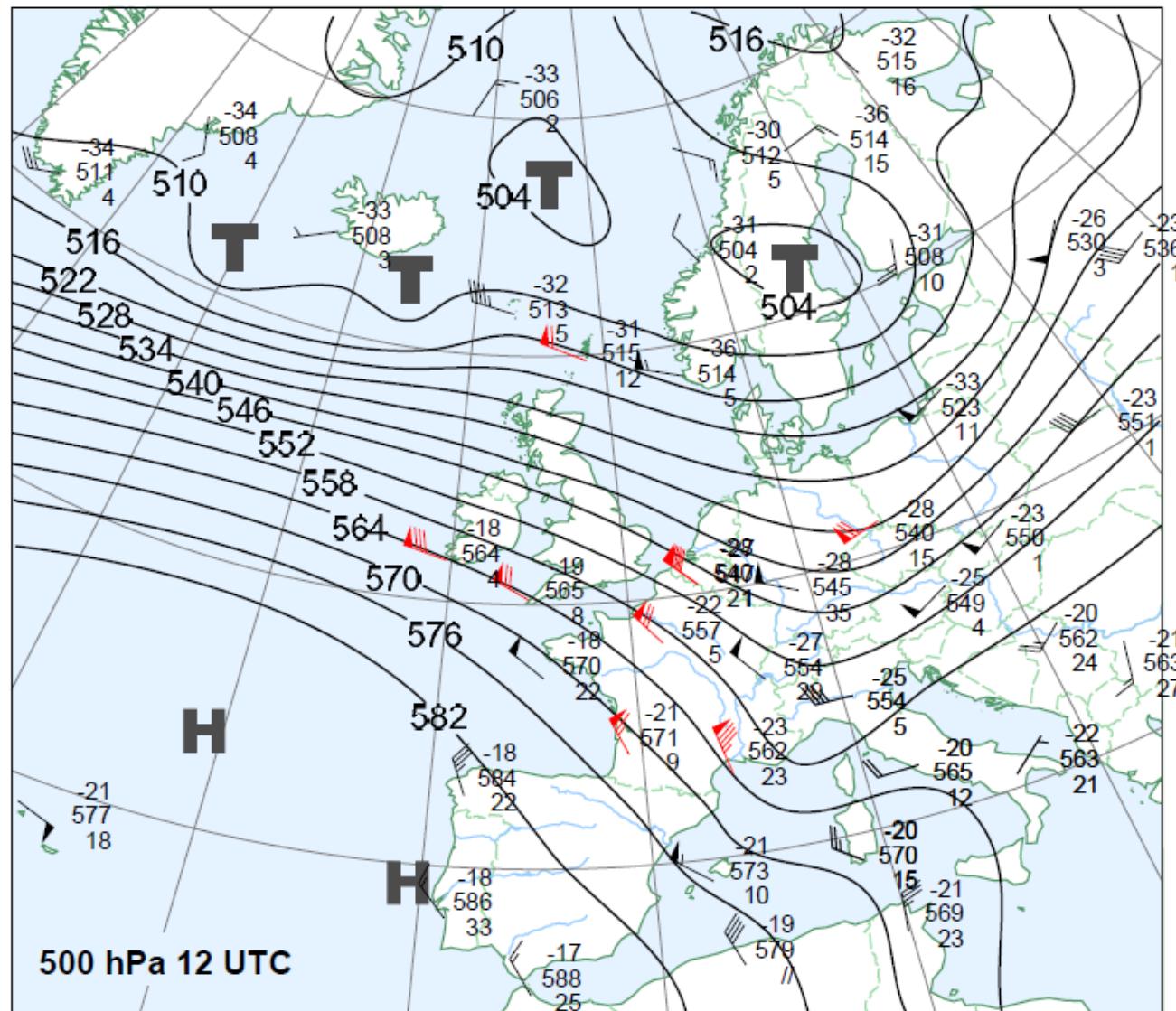
Schweizerische Eidgenossenschaft  
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Confederazione Svizzera  
Confederaziun svizra

Eidgenössisches Departement des Innern EDI  
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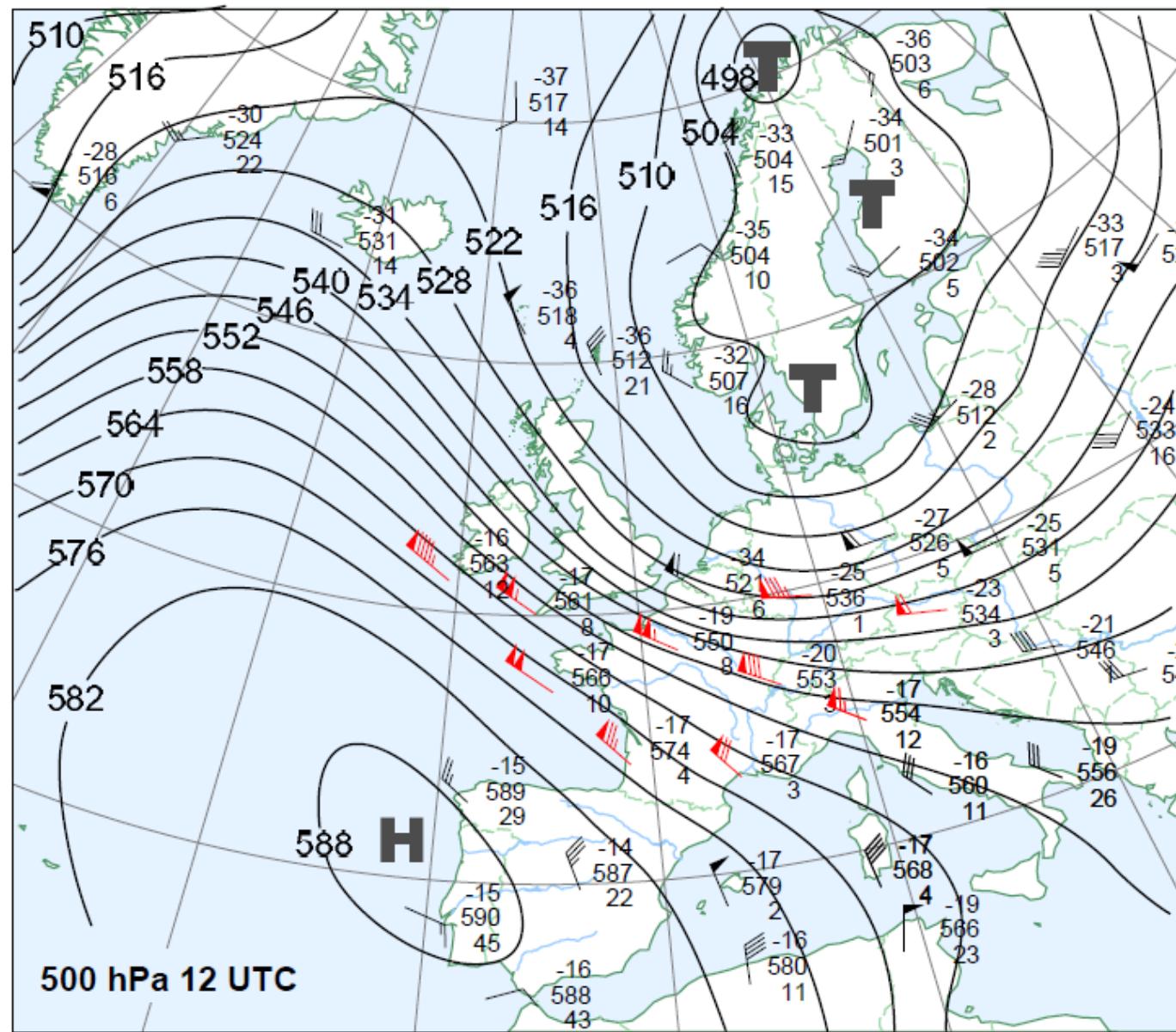


4-5.1.2012



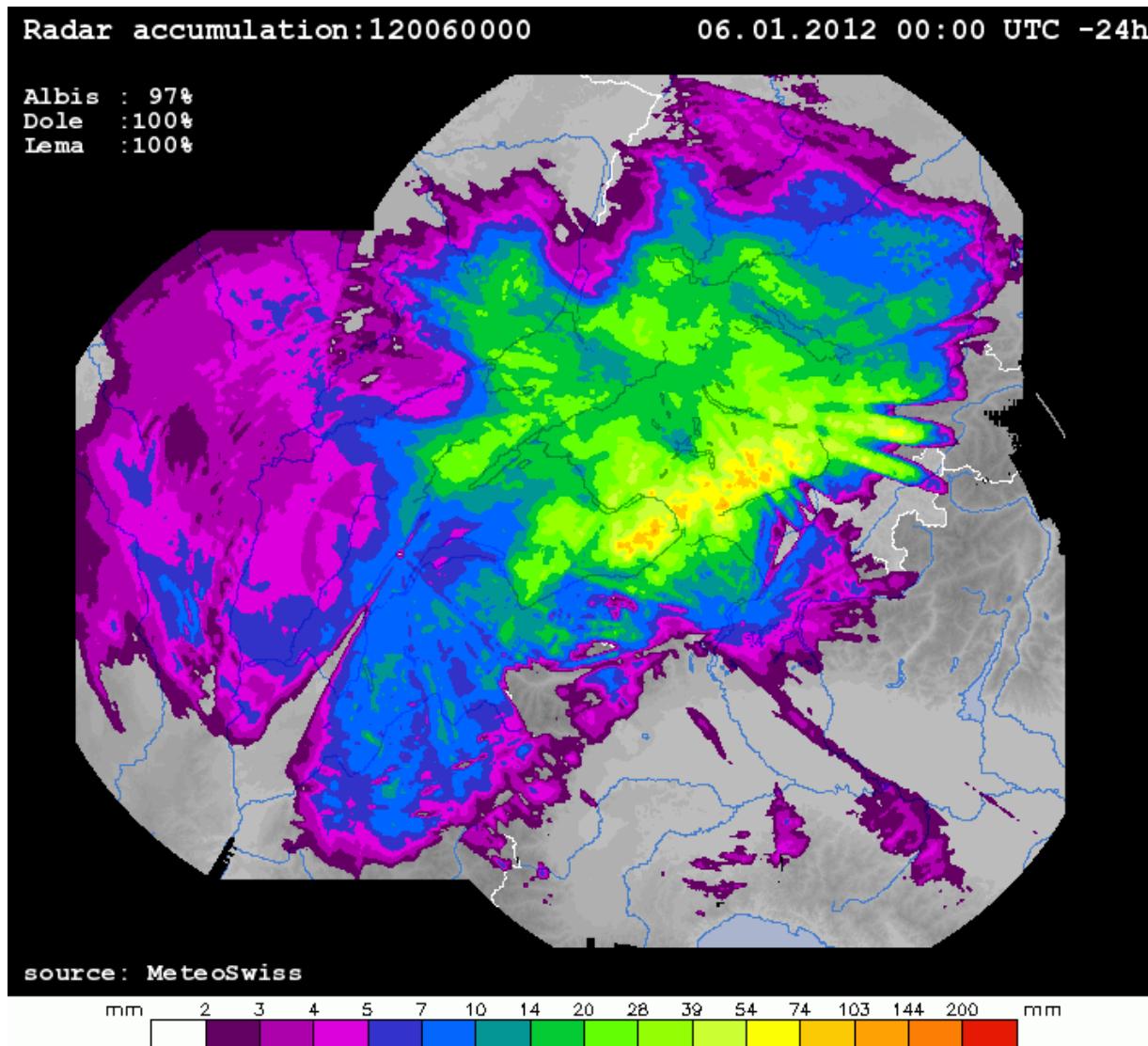


5.1.2012



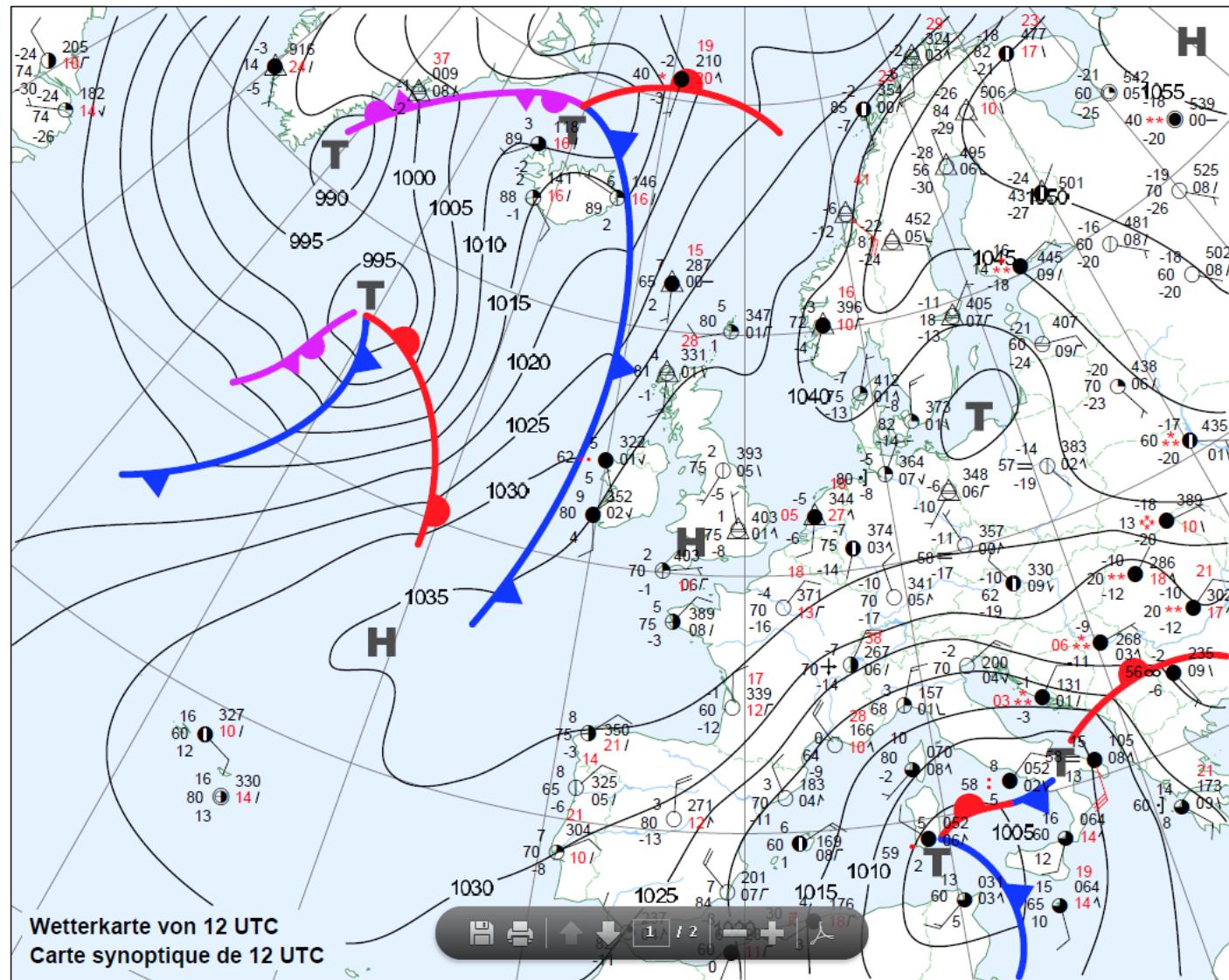


# 5.01.2012: stima precipitazioni radar



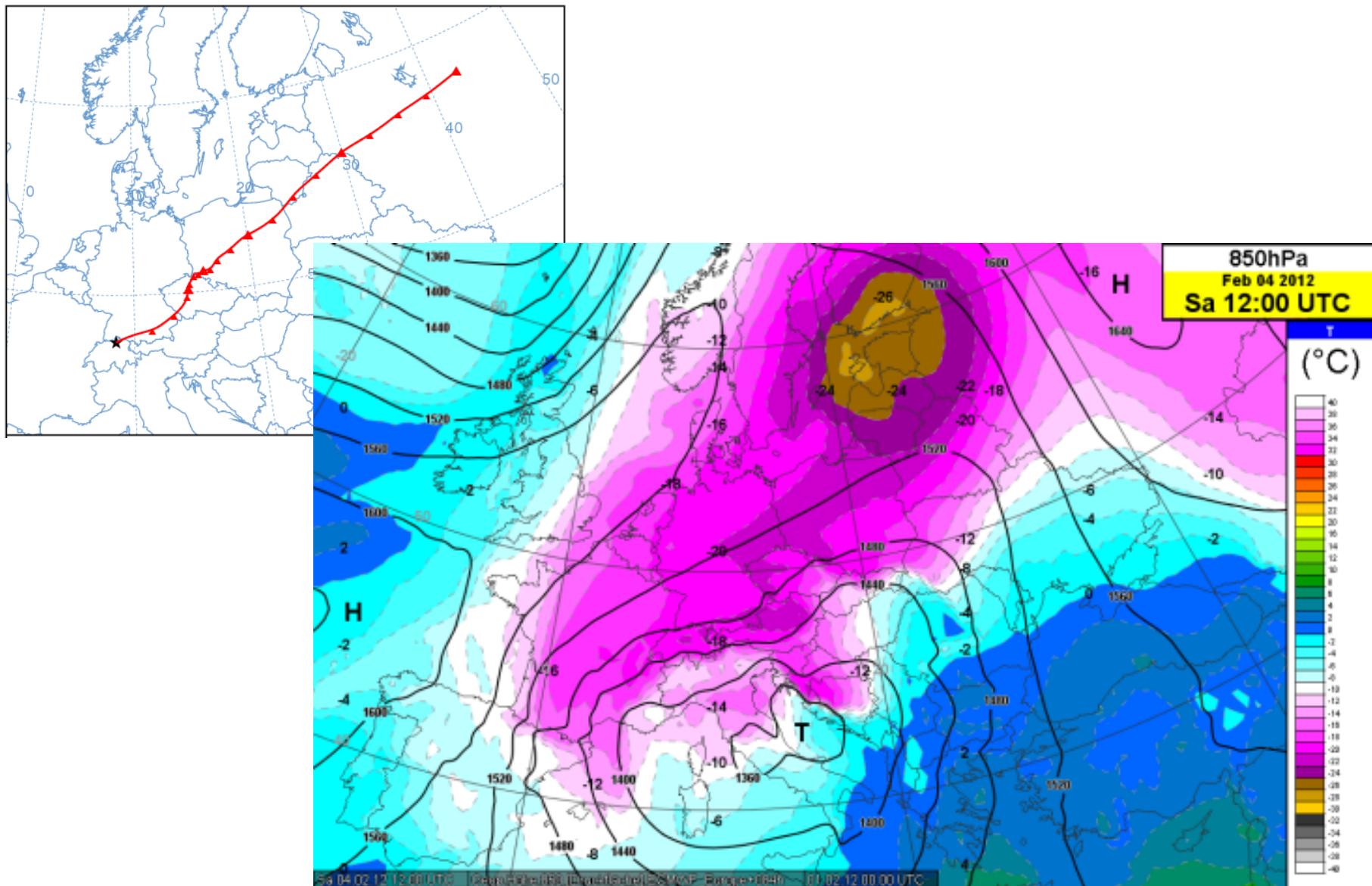


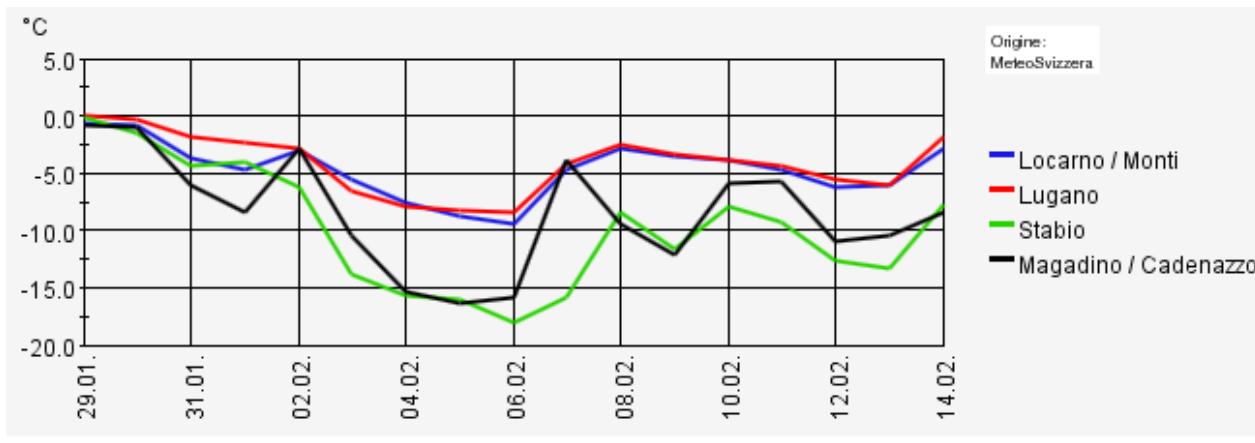
# 31.1-12.2.2012: ondata di freddo



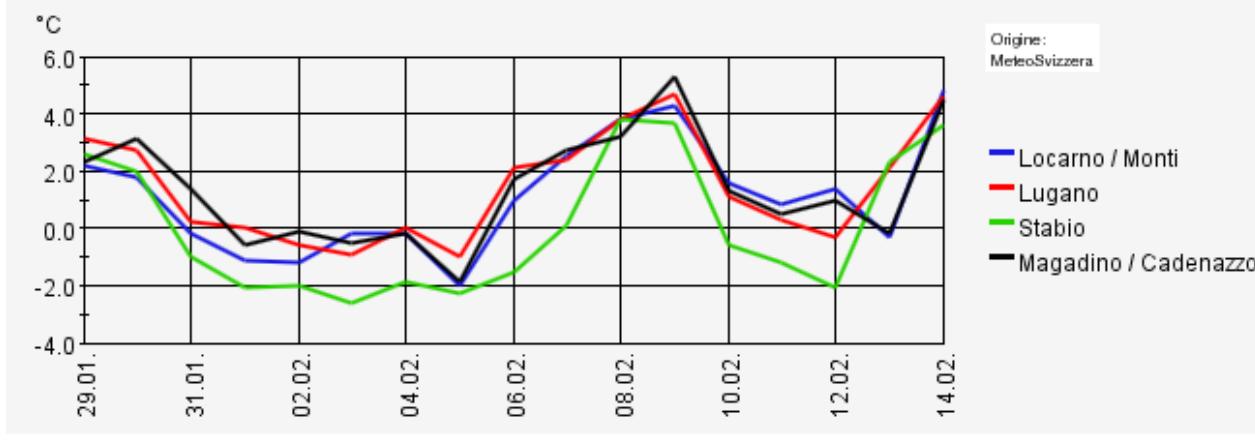


# 31.1-12.2: ondata di freddo

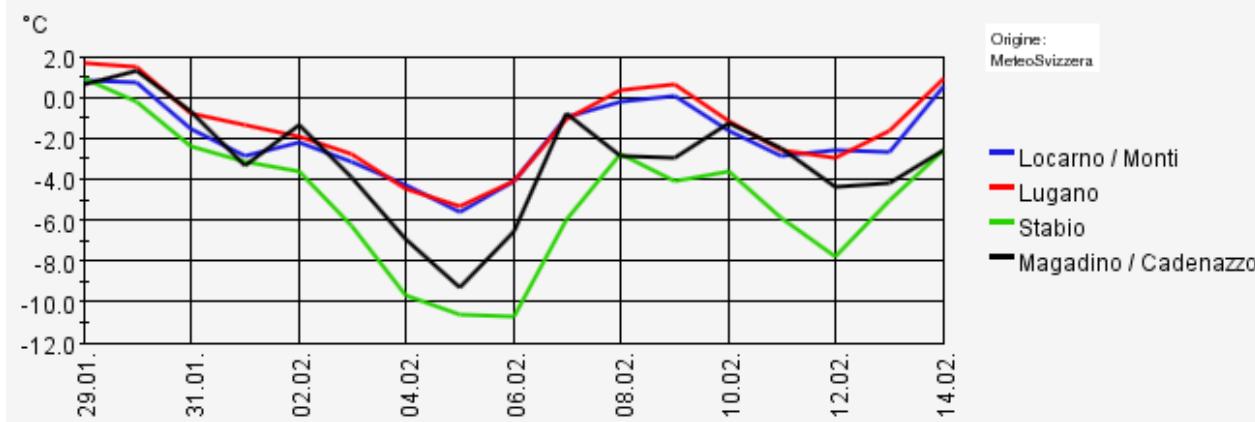




Temperatura dell'aria a 2 m; massima giornaliera [°C] 29.01.2012 - 14.02.2012



Temperatura dell'aria a 2 m; media giornaliera [°C] 29.01.2012 - 14.02.2012





# Record di temperatura?

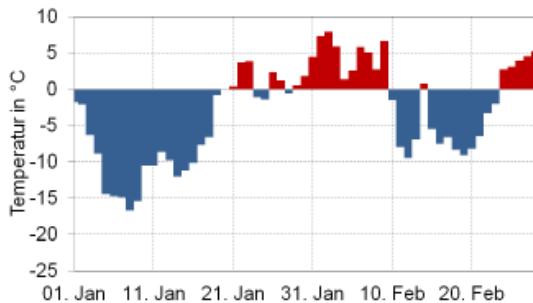
	Gran San Bernardo	San Bernardino	Robbio/RØE	Acqua Rossa	Cimetta s. Locarno	Piotta	Magadino	Locarno-Monti	Lugano	Stabio	Poschiavo	Samaden	Schuls
01.02.2012	-18.9	-11.2	-13.3	-9.3	-11.9	-12.9	-8.4	-4.7	-2.4	-4.1	-10.9	-21.0	-14.0
02.02.2012	-18.7	-16.5	-17.9	-5.8	-12.6	-9.5	-2.8	-3.0	-2.9	-6.3	-10.2	-19.8	-13.9
03.02.2012	-23.4	-19.6	-18.6	-10.6	-14.4	-16.0	-10.5	-5.5	-6.5	-13.8	-16.8	-23.7	-19.0
04.02.2012	-25.2	-20.1	-19.0	-10	-15.8	-12.7	-15.4	-7.5	-8.0	-15.7	-11.7	-26.6	-22.4
05.02.2012	-22.6	-19.8	-19.5	<b>-13.6</b>	-16.2	<b>-18.8</b>	-16.3	-8.7	-8.2	-16.0	-18.2	-29.7	-22.0
06.02.2012	-19.2	-14.7	-11.6	-13.4	-10.3	-11.3	-15.9	-9.5	-8.5	-18.0	-19.2	-35.1	-24.3
<b>Rango del 2012</b>	<b>8</b>	<b>11</b>	<b>3</b>	<b>1</b>	<b>9</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>4</b>
Min. più basso	-28.4	-25.1	-20.7	-12.2	-19.3	-18.3	-16.9	-10.1	-9.0	-18.4	-21.0	-36.9	-25.1
Anno	1986	1985	1991.0	1991	1985	1985	1991	1985	1985	1991	1991.0	1985	1987

Rango	Data	Temp.	Rango	Data	Temp.
1	12.02.1929	-14.0	16	23.01.1907	-9.5
2	13.01.1926	-12.5	17	24.12.1940	-9.4
3	18.01.1891	-11.8	18	06.01.1947	-9.2
4	16.02.1901	-11.0	19	15.12.1890	-9.2
5	19.02.1895	-11.0	20	07.01.1985	-9.0
6	14.01.1893	-11.0	21	23.01.1933	-9.0
7	10.12.1879	-11.0	22	05.01.1894	-9.0
8	12.02.1956	-10.8	23	01.02.1888	-9.0
9	11.01.1945	-10.8	24	30.12.1939	-8.8
10	14.02.1932	-10.6	25	28.12.1938	-8.8
11	18.01.1887	-10.0	26	31.12.1869	-8.8
12	13.02.1932	-9.8	27	24.01.1963	-8.6
13	30.01.1917	-9.8	28	11.02.1935	-8.6
14	03.01.1905	-9.8	29	<b>06.02.2012</b>	<b>-8.5</b>
15	19.12.1927	-9.6			

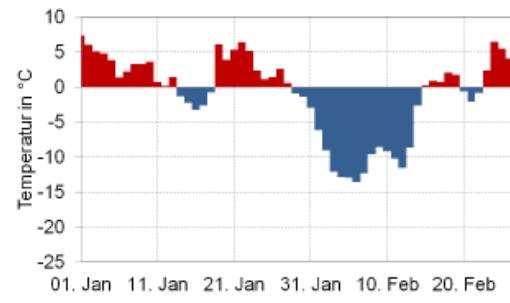


# Ondata 2012 e quella del 1985: CH

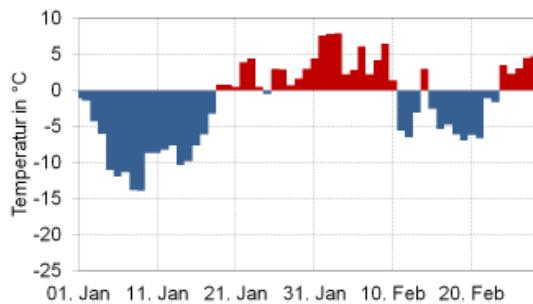
Zürich 1985  
Tiefstes 14-Tagesmittel: -11.8 Grad



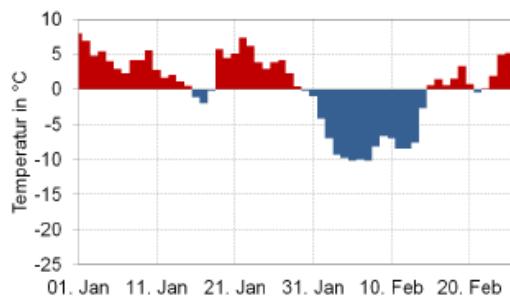
Zürich 2012  
Tiefstes 14-Tagesmittel: -9.9 Grad



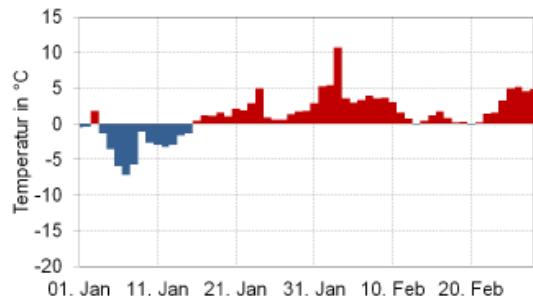
Neuchâtel 1985  
Tiefstes 14-Tagesmittel: -9.6 Grad



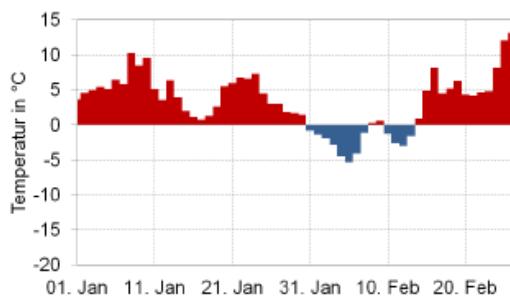
Neuchâtel 2012  
Tiefstes 14-Tagesmittel: -7.9 Grad



Lugano 1985  
Tiefstes 14-Tagesmittel: -2.7 Grad

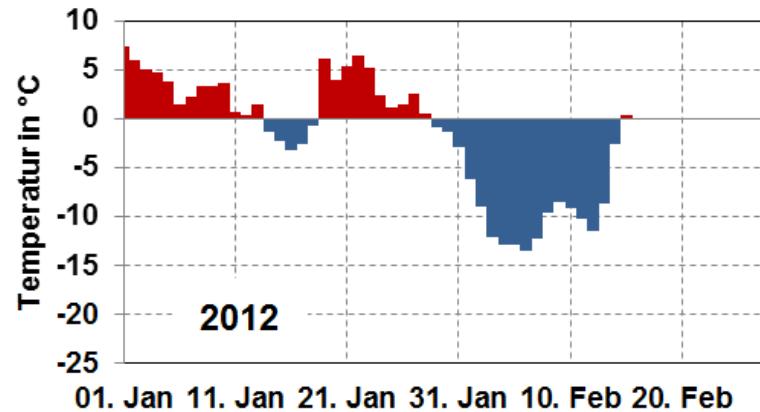
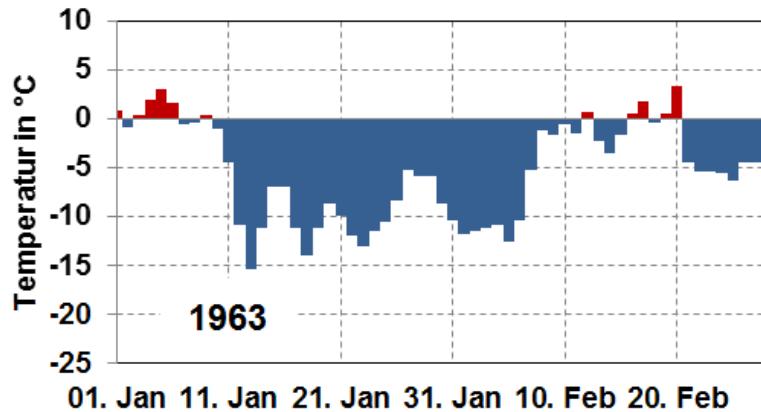
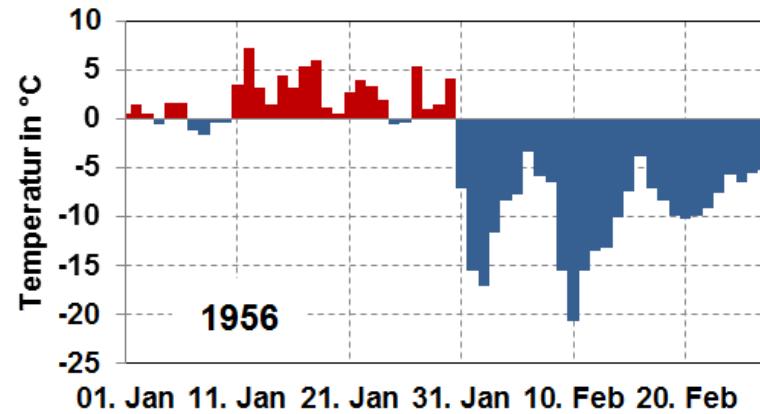
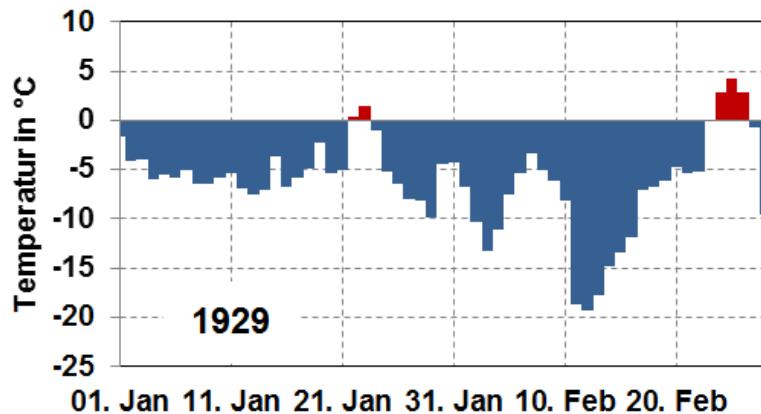


Lugano 2012  
Tiefstes 14-Tagesmittel: -2.0 Grad





# Ondata 2012 e le altre: CH





# Bise e freddo

