



Estate 2013

I francesi: "Il 2013 sarà un anno senza estate"

L'allarme lanciato da un noto meteorologo tv che, dopo una primavera tra le più fredde e piovose degli ultimi tempi, non prevede affatto miglioramenti. Dovremo passare le ferie con l'ombrellino?



FOTO GETTY

CORRELATI

- Meteo, sull'Italia torna l'instabilità
- Nel 1816 l'estate non arrivò mai
- Livorno, tromba marina a San Vincenzo
- Le previsioni meteo in diretta
- La situazione in Europa

15:06 - Se state organizzando le vostre ferie per prepararvi a brutte sorprese. Il 2013 infatti potrebbe essere l'anno senza estate. La preoccupante previsione del meteorologo francese, che prevede tre mesi di bella stagione. Basandosi sui mesi primaverili segnali sono a dir poco scoraggianti: al Nord Ita pativa dal 1991.

"Siamo in un serio pericolo di un anno senza estate, cui ci sono poche eccezioni, come nel 1975, nel quale ci sono state una primavera e un inverno estremamente normali. Ma adesso abbiamo una brutta partenza", spiega Laurent Cabrol che si fa chiaro.

"La temperatura dell'acqua del mare - aggiunge - è un segnale di raffreddamento dell'atmosfera nell'aria. E quando viene il caldo, l'umidità evapora temporali. E quando ci sono i temporali non si può tranquillamente godere di sole".

A riprova dell'allarmante previsione ci sono i dati: marzo e maggio è stato per molte zone in Emilia-Romagna il più piovoso degli ultimi 150/200 anni, cioè all'inizio della primavera. Inoltre, in altre zone del Nord-Est si sono registrate nebbie da record. Maggio da solo, invece, è stato al Nord Italia dal 1991.

La previsione meteo da brividi: "Il 2013 sarà un anno senza estate"

Le parole di un grande esperto francese: "Siamo in un serio pericolo di un anno senza estate". Ma non tutti sono d'accordo



La Nuova Venezia · 30 Maggio 2013

Empfehlen 3,5 20



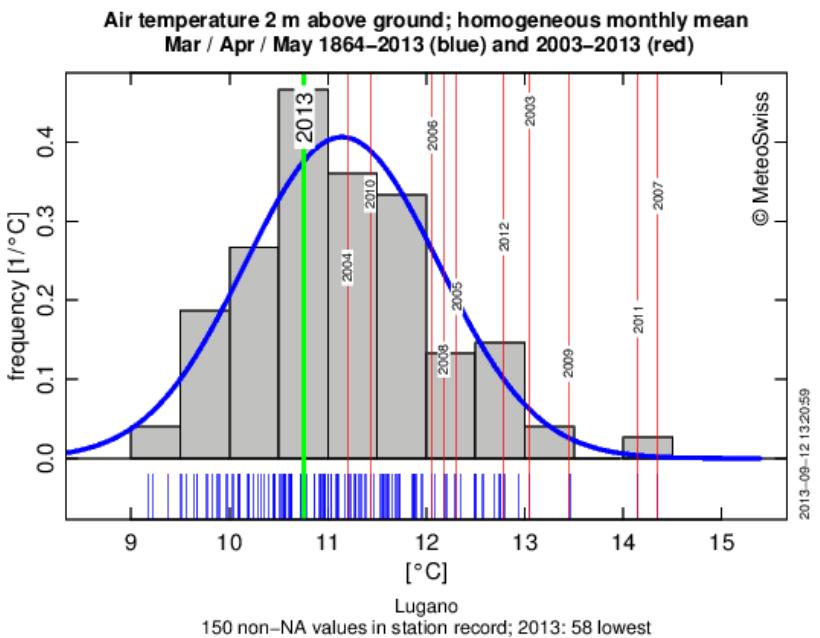
Incredibile, ma vero. Quello che alcuni temevano potrebbe trasformarsi in realtà. Il 2013 potrebbe essere un anno senza estate. È dalla Francia che giunge una previsione preoccupante: il più affidabile meteorologo di France 1, prima rete televisiva del paese, si è spinto a sostenere che potrebbe essere "un anno senza estate".

Retrospettiva meteoclimatica

Matteo Buzzi, Mauro Guerini, Gianluca Ferri, Martino Buzzi



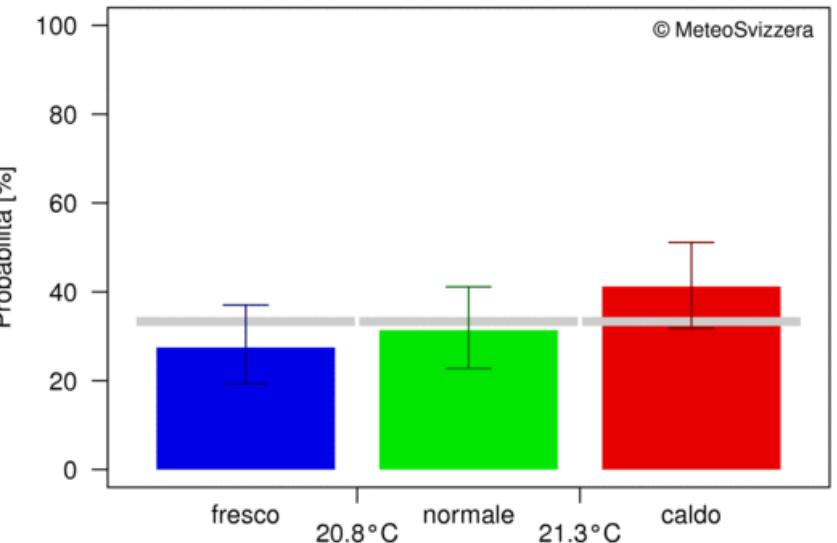
Le premesse



Temperatura media stagionale giugno – agosto 2013

Sud delle Alpi

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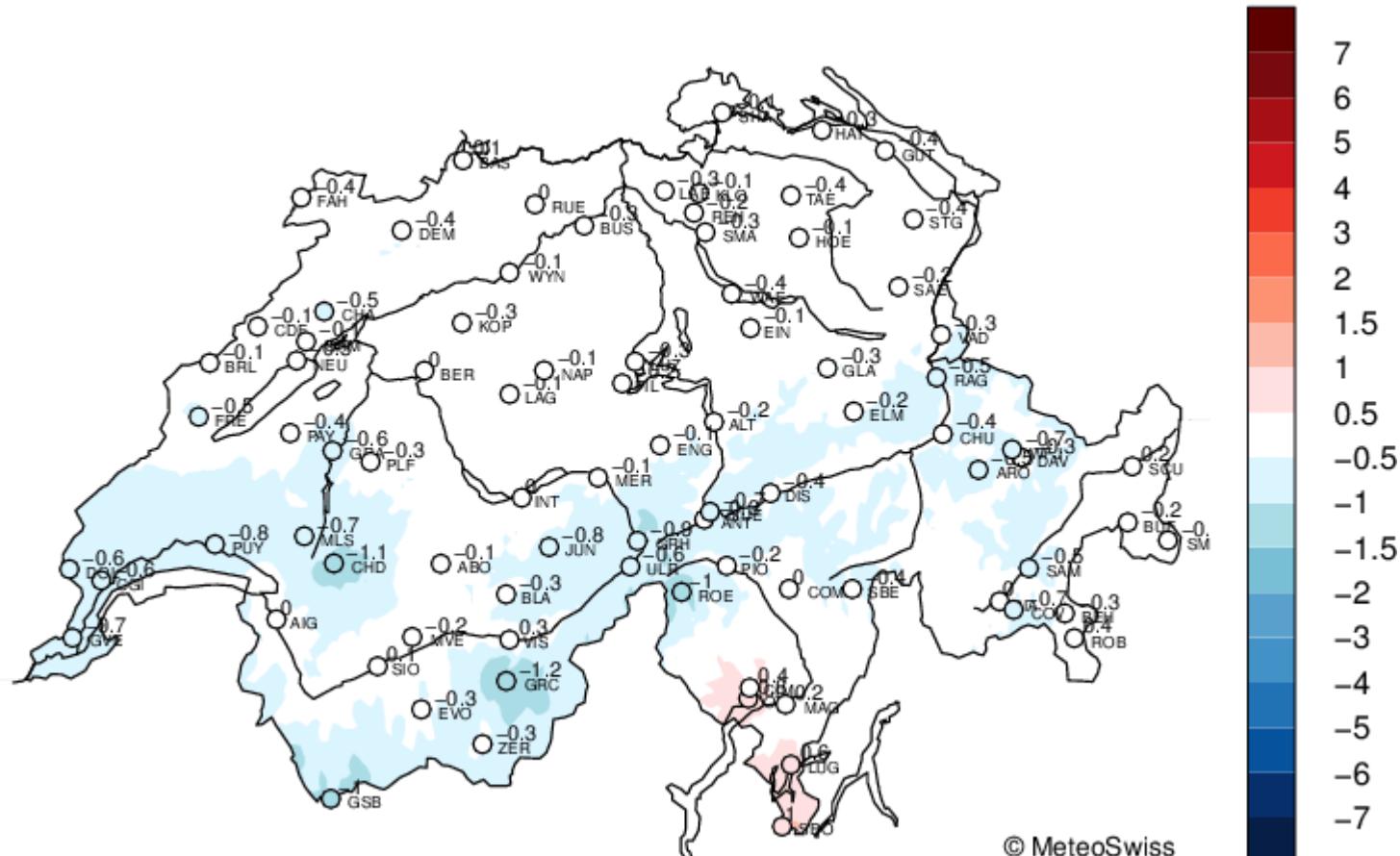
Previsione (in colore) e statistica 1981 – 2012 (in grigio)

Elaborazione del maggio 2013



Temperatura: giugno 2013

Monthly Temperature Anomaly (degC) Jun 2013 (Ref. 1981–2010)



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TanomM8110 v1.5, 2013-07-26 17:01



Temperatura: giugno 2013

Abweichung vom Temperaturmittel (°C)

Juni 2013

Normperiode: 1981 – 2010

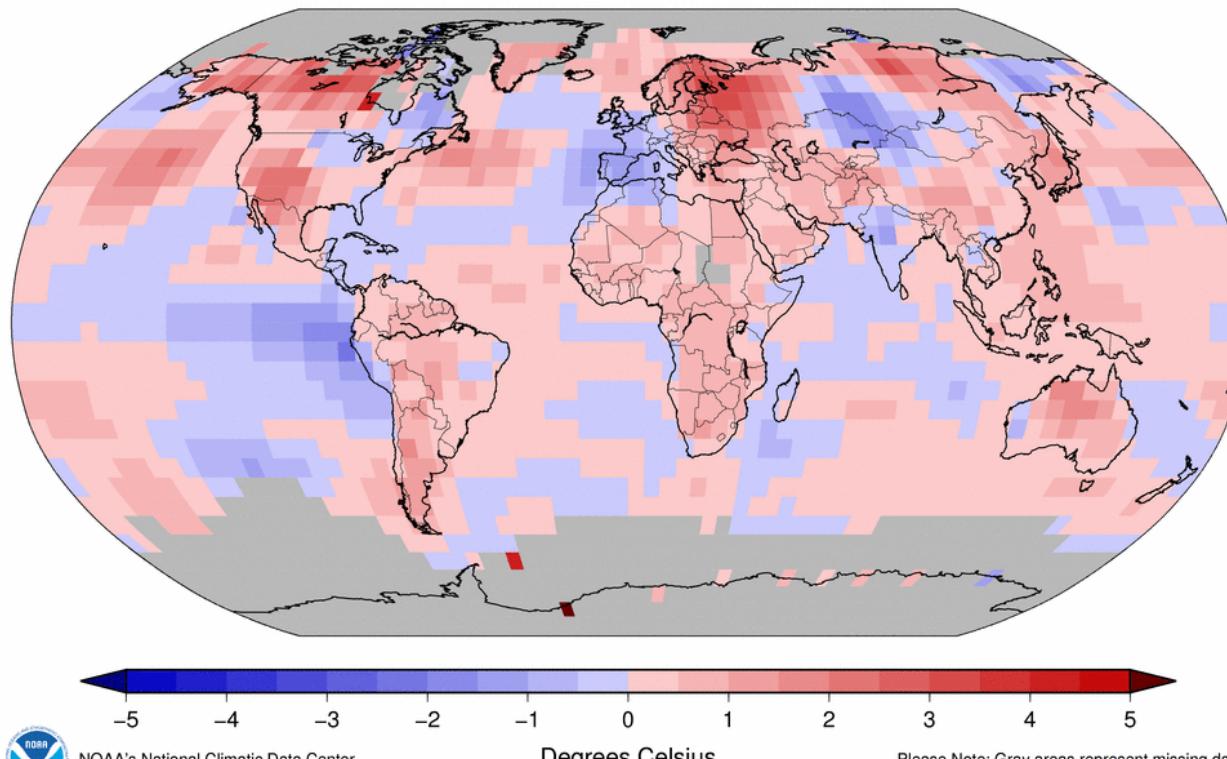
N/NW-CH	Mittelland West	Mittelland Zentral/Ost	Täler Alpennordhang	Jura	Berglagen	Täler GR	Wallis	Alpensüdseite		
SHA RUE BAS FAH	GVE PUY NEU BER	WYN LUIZ BUS GUT KLO TAE SMA STG	CHU VAD ALT ENGABO	CDF CHA DOL	MLS NAP PIL SAE WFJ JUN	DAV SCU SAMAND DIS	ULR VIS SIO MVE ZER	ROB SBE CIM PIO COM OTL LUG SBO		
1 -3.7 -3.8 -3.9 -4.6	-4.4 -5.8 -4.4 -4.5	-4.3 -4.8 -4.1 -3.6 -3.1 -3.2 -4.5 -3.9	-6.3 -6.4 -5.2 -4.6 -4.5	-3.3 -3.8 -3.9	-4.2 -4.0 -3.9 -2.9 -3.6 -2.9	-5.5 -4.7 -3.4	NA -8.2	-4.6 -5.0 -5.2 -4.5 -4.0	0.1 -1.5 0.6 -2.0 0.2 1.5 0.6 -0.2	
2 -2.6 -2.9 -2.7 -3.8	-2.4 -2.7 -3.2 -2.9	-2.7 -3.8 -2.6 -3.6 -2.5 -3.0 -3.6 -4.5	-5.1 -5.4 -3.8 -4.1 -4.3	-3.5 -4.1 -3.5	-4.8 -4.1 -4.5 -4.1 -4.3 -3.4	-4.5 -4.3 -2.4	NA -4.5	-2.3 -1.6 -1.9 -2.5 -1.9	1.9 -2.0 0.1 -2.1 1.7 2.6 2.4 2.1	
3 -6.2 -5.5 -5.5 -5.5	-2.8 -3.6 -3.7 -4.8	-4.9 -4.7 -5.5 -6.3 -5.7 -6.3 -6.1 -7.3	-5.3 -6.2 -4.3 -4.9 -4.7	-4.7 -5.8 -4.2	-6.0 -6.6 -5.8 -5.5 -5.7	-1.7 -5.0 -3.5 -2.2	NA -4.4	-1.5 -2.7 -2.7 -3.3 -2.2	1.0 -2.6 -0.4 -1.5 0.6 1.4 0.1 0.1	
4 -2.4 -2.8 -2.7 -2.9	-3.7 -4.5 -2.5 -3.1	-3.1 -3.5 -3.1 -3.0 -3.0 -3.3 -3.3 -4.1	-2.3 -3.2 -3.3 -4.0 -2.2	-1.7 -3.5 -2.9	-1.4 -4.5 -1.8 -1.6 -1.3	0.1 -1.0 -1.3 -1.0	NA -1.2	-0.7 -2.6 -3.0 -2.1 -1.6	-0.6 0.1 0.4 0.1 -0.5 0.8 -0.5 0.1	
5 0.9 1.4 1.1 1.4	-0.2 -0.4 0.5 0.9	0.3 0.7 0.3 -0.2 0.6 -0.5 0.4 -0.4	0.8 -0.5 -0.4 0.0 -0.5	0.6 1.4 1.7	1.0 1.5 1.6 1.0 0.0	0.3 1.0 1.0 0.2	NA 1.3	0.6 -0.2 0.4 0.4 -0.2	-0.2 -0.3 -0.4 0.0 0.2 0.8 -0.3 0.5	
6 1.8 3.2 2.5 3.0	1.4 1.4 2.1 1.9	1.2 2.0 1.5 1.3 1.4 0.5 1.8 1.4	1.6 0.7 0.9 1.9 2.1	2.4 2.6 2.5	2.1 3.3 1.8 0.4 0.0	1.0 1.3 0.3	NA 2.3	1.2 1.7 1.9 1.7 1.4	0.5 1.0 0.1 1.2 1.0 1.0 -0.3 1.0	
7 1.9 3.2 2.1 3.5	1.2 1.8 2.4 2.1	1.3 2.4 1.4 2.1 1.6 1.5 2.2 2.1	1.9 2.0 1.3 2.2 2.8	2.6 3.2 3.4	2.8 3.9 2.2 1.2 0.8	0.0 1.6 1.2 0.9	NA 2.2	1.3 2.3 2.8 2.1 1.9	-0.1 1.4 1.1 2.2 1.0 1.5 0.5 1.7	
8 3.4 4.2 3.4 2.9	-0.1 0.4 1.8 2.1	2.7 3.6 3.1 3.2 3.3 2.9 3.3 3.4	3.2 3.5 2.8 3.7 3.3	2.5 3.4 2.1	2.3 4.1 3.6 2.7 2.1	1.0 2.3 2.1 0.1	NA 2.8	0.9 2.2 2.2 2.6 1.8	-0.4 -0.1 1.1 0.2 0.8 0.7 -0.2 1.2	
9 1.2 0.4 0.6 -0.8	-2.6 -2.9 -1.0 0.1	0.8 1.6 0.9 1.6 1.2 1.4 0.8 0.8	0.1 1.6 1.6 0.7 -0.8	-1.1 -1.3 -3.0	-2.7 -0.7 -0.9 0.3 -0.7	-1.6 0.0 -0.9 -2.2	NA -2.5	-1.9 -1.4 -1.5 -1.7 -2.1	-2.5 -2.6 -3.3 -3.9 -3.4 -3.7 -2.9 -2.1	
10 -2.1 -2.3 -1.5 -2.5	-3.0 -4.0 -3.5 -2.4	-2.2 -2.2 -2.8 -1.8 -1.9 -1.8 -2.9 -2.9	-2.9 -3.2 -2.5 -3.1 -2.9	-1.9 -2.9 -3.2	-4.1 -3.3 -3.7 -3.2 -3.4	-2.8 -3.1 -3.4 -2.1	NA -3.4	-2.2 -1.7 -2.2 -3.1 -2.6	-1.9 -2.1 -2.5 -2.4 -2.5 -3.0 -2.6 -1.7	
11 -1.1 -0.8 0.3 0.0	-0.7 -1.0 -0.5 -0.4	-0.6 -1.7 -0.9 -1.7 -1.1 -2.0 -1.8 -2.3	-2.0 -2.8 -1.7 -1.8 -1.4	-0.3 -1.0 -1.2	-1.8 -1.5 -2.2 -2.3 -2.5	-2.4 -1.9 -1.6 0.3	NA -1.4	-0.4 1.0 0.8 -0.6 -0.7	1.6 0.3 1.6 0.4 0.3 1.8 0.6 1.6	
12 0.3 1.6 1.3 1.5	0.4 0.5 0.4 1.0	0.6 0.5 0.5 -0.8 0.4 -0.3 0.8 0.7	0.1 0.8 0.0 1.0 1.0	1.1 1.3 1.5	1.0 2.4 0.9 -0.3 -1.2	-0.5 0.1 0.4 -0.3	NA 0.7	0.1 1.7 1.3 1.0 0.6 2.4 0.6 2.5 1.2 0.7 2.6 1.7 1.8	12	
13 3.2 3.8 2.6 2.2	2.2 1.8 1.6 3.4	3.2 3.7 3.0 2.9 3.4 3.4 3.6 4.1	4.0 4.7 3.0 4.7 4.4	3.1 3.2 3.6	3.7 4.7 4.6 3.8 4.2	4.6 4.5 4.4 2.1	NA 4.0	3.7 4.6 3.6 4.4 3.9	1.4 2.9 2.8 2.9 1.8 2.9 1.9 2.1	
14 -1.8 -2.1 -2.0 -2.4	-0.5 -1.0 -1.0 -1.3	-1.5 -1.8 -2.0 -1.7 -1.5 -2.1 -2.3 -2.6	-0.2 -0.8 -0.5 -0.5 1.0	-0.5 -1.7 0.1	1.1 -1.7 2.6 2.6 2.6	3.2 2.4 3.4 3.3	NA 1.0	3.2 1.9 0.7 1.8 2.6	3.1 2.1 2.6 2.7 2.1 3.2 2.8 3.1	
15 1.8 2.3 2.2 2.1	3.8 2.9 2.5 3.1	2.5 1.4 1.7 1.3 2.1 1.6 2.1 2.6	3.0 3.1 1.6 3.1 4.0	2.9 2.6 3.1	3.2 3.5 3.3 3.1 4.1	2.7 3.9 4.7 4.5	NA 3.9	3.5 4.2 3.1 3.8 4.1	3.1 2.3 2.8 2.9 2.7 3.0 3.6 4.1	
16 4.1 4.7 4.7 3.9	4.5 4.4 4.7 5.4	4.7 4.2 4.0 3.4 4.7 3.9 4.2 4.0	4.2 4.4 4.0 4.5 5.2	5.1 5.0 6.1	5.9 5.7 6.0 5.3 5.3	5.3 5.9 3.8	NA 4.9	3.5 5.6 4.4 6.0 4.7	3.5 2.7 3.7 3.9 3.0 4.0 3.5 4.0	
17 7.9 8.5 8.8 8.6	5.3 6.2 7.2 8.2	7.6 7.8 8.0 7.4 8.3 7.3 8.8 10.6	9.0 10.7 11.0 8.8 9.3	9.3 9.3 8.6	9.7 11.0 10.8 10.2	7.3 6.8 7.3 7.0 4.2	NA 6.6	4.8 8.0 8.2 8.3 6.5	4.3 3.7 5.1 4.5 2.6 5.1 4.9 5.3	
18 9.6 10.1 9.2 8.8	6.6 7.3 9.0 9.3	9.4 9.1 9.6 9.1 8.9 9.4 9.6 9.9	7.3 8.4 9.8 10.8 10.3	9.7 10.1 9.8	9.9 11.0 10.7 9.5 8.9	6.8 8.2 7.5 4.4	NA 8.0	5.6 8.7 9.2 9.2 7.3	3.6 4.7 6.9 5.7 4.7 6.2 6.0 6.4	
19 7.9 9.1 9.1 8.7	6.0 6.9 8.0 8.2	7.0 7.6 6.7 7.8 7.0 6.9 8.3 11.3	9.0 11.3 11.6 11.0 10.6	9.6 9.6 8.2	9.4 10.9 9.7 8.9	7.0 3.5 7.6 8.0 5.4	NA 7.0	2.8 7.3 6.6 7.5 6.7	5.2 3.7 5.4 3.3 2.9 3.9 4.7 5.6	
20 3.0 2.0 2.1 1.1	0.7 0.6 2.3 2.6	2.6 3.4 2.4 4.4 3.0 3.5 3.2 6.2	5.3 8.2 5.6 5.7	3.7 1.9 2.3 0.1	2.6 3.5 5.4 6.1 5.0	1.4 5.7 6.7 3.4	NA 3.3	0.8 3.1 1.8 2.7 0.7	4.1 1.8 2.9 0.3 1.0 1.6 2.7 3.2	
21 1.2 -0.1 0.2 -0.6	0.3 0.1 0.1 0.8	0.8 0.2 0.8 1.3 1.4 1.1 0.6 0.3	1.5 1.2 0.1 0.2 -0.7	-0.6 -1.3 -1.6	-1.2 -1.0 -0.7 0.2 1.9	0.5 1.7 4.0 2.0	NA 0.8	0.7 1.0 0.7 0.2 0.2	1.4 0.8 1.0 0.2 1.0 1.1 1.3 1.4	
22 0.9 0.4 1.2 0.2	1.1 1.2 1.3 1.5	1.3 -0.1 0.5 0.4 1.0 0.7 0.0 -0.1	0.3 0.2 -0.4 -0.1 0.1	0.7 -0.7 -0.8	-0.7 -0.1 0.0 0.4 0.5	0.6 0.9 2.0 1.1	NA 0.1	0.4 0.2 1.0 -0.1 -0.8	-0.1 -0.2 0.6 -1.0 -0.9 0.9 2.1 1.5	
23 -1.5 -3.0 -1.8 -3.0	-0.9 -1.6 -1.8 -1.8	-1.7 -2.8 -2.5 -2.2 -2.4 -2.7 -3.1 -3.4	-2.2 -2.7 -2.6 -2.6 -2.8	-2.9 -4.1 -4.5	-4.0 -3.5 -3.0 -2.2 -1.2	-0.8 -1.4 -0.2 -1.3	NA -1.8	-0.5 -0.2 0.2 -0.9 -0.3	-0.7 -1.1 0.1 -1.3 -1.6 -1.1 -0.2 0.4	
24 -4.9 -5.4 -3.8 -5.8	-5.3 -5.6 -4.7 -4.6	-4.0 -5.8 -4.9 -4.6 -4.2 -4.6 -5.0 -5.7	-5.1 -5.4 -5.8 -5.8 -6.5	-5.4 -6.6 -7.1	-7.6 -6.3 -6.9 -5.7 -6.5	-6.9 -5.7 -5.4 -5.4	NA -5.1	-0.3 -3.6 -4.1 -5.6 -4.5	-1.8 -3.8 -2.6 -3.1 -0.8 0.1 0.9 1.4	
25 -5.0 -5.2 -4.5 -5.7	-4.8 -4.5 -4.8 -4.7	-3.8 -5.4 -4.1 -5.6 -4.3 -4.8 -5.1 -6.8	-5.0 -5.9 -5.3 -6.1 -6.4	-5.7 -7.1 -6.9	-7.8 -6.8 -7.5 -5.7 -7.2	-7.5 -6.3 -4.8 -4.3	NA -5.6	-4.9 -3.3 -3.6 -5.6 -4.4	-0.5 -4.8 -3.4 -3.5 -2.3 -0.4 0.8 1.3	
26 -4.5 -4.9 -4.2 -4.8	-4.1 -3.5 -4.0 -4.1	-3.7 -4.2 -4.0 -4.5 -4.0 -4.7 -4.5 -6.1	-5.2 -6.1	-4.2 -4.6 -4.8	-4.6 -5.9 -5.2	-6.4 -5.9 -6.9 -7.2 -7.7 -7.0	NA -5.4	-4.5 -3.7 -3.0 -5.0 -4.0	-1.5 -4.6 -3.2 -3.9 -2.6 -0.7 -0.1 -1.2	
27 -5.5 -6.3 -6.2 -6.3	-6.0 -5.3 -5.6 -5.7	-6.4 -6.3 -6.1 -5.5 -5.4 -5.7 -6.0 -6.9	-6.9 -7.1 -6.7 -6.9	-7.1 -6.4 -6.8	-6.8 -6.6 -7.5 -7.1 -7.7 -7.1	-6.6 -6.4 -6.4	NA -6.6	-6.7 -5.5 -5.1 -6.5 -6.9	-5.6 -5.9 -5.7 -6.0 -5.5 -5.7 -6.1 -5.8	
28 -4.7 -4.4 -3.8 -5.0	-5.5 -5.2 -4.5 -4.4	-4.4 -4.7 -4.2 -5.2 -4.1 -4.5 -4.4 -5.4	-5.5 -5.4 -5.2 -5.1 -5.4	-5.2 -6.1 -6.8	-6.8 -5.1 -6.8 -6.4 -8.0 -7.7	-6.0 -5.5 -5.7	NA -5.6	-5.5 -4.3 -4.6 -5.8 -5.4	-3.9 -4.7 -5.6 -4.0 -4.0 -4.9 -4.7 -5.4	
29 -5.0 -4.4 -3.3 -4.4	-5.6 -5.9 -5.4 -4.8	-5.0 -5.1 -5.4 -5.0 -4.7 -4.7 -5.6 -5.1	-6.3 -6.0 -5.6 -4.8 -4.8	-3.7 -4.5 -4.7	-5.1 -5.4 -5.1 -4.8 -5.8 -4.3	-5.8 -6.0 -6.0	NA -6.2	-6.3 -7.5 -7.6 -6.4 -7.2	-4.3 -3.7 -3.5 -3.8 -2.8 -4.3 -4.1 -4.8	
30 -2.3 -2.4 -2.0 -2.6	-3.3 -2.8 -3.2 -2.0	-2.2 -1.7 -2.4 -2.5 -2.0 -2.4 -2.0 -3.1	-2.8 -3.0 -2.3 -1.7 -2.3	-2.6 -3.2 -3.0	-3.0 -2.9 -3.7 -3.8 -4.0	-2.2 -2.4 -2.0 -2.2	NA -2.6	-2.6 -1.8 -1.5 -2.5 -2.5	-0.7 -1.3 0.2 -0.7 -0.5 0.3 -0.2 0.8	
Mitt.	-0.1 0.0 0.1 -0.4	-0.7 -0.8 -0.3 0.0	-0.2 -0.3 -0.3 -0.4 -0.1 -0.4 -0.3 -0.4	-0.4 -0.3 -0.2 -0.1 -0.1	-0.1 -0.5 -0.6	-0.7 -0.2 -0.3 -0.2 -0.7	-0.3 0.1 -0.5	NA -0.4	-0.6 0.3 0.1 -0.1 -0.3	0.4 -0.4 0.4 -0.3 0.0 0.8 0.6 1.0
Mitt.										





Temperatura: anomalie globali giugno 2013

Land & Ocean Temperature Anomalies Jun 2013
(with respect to a 1981–2010 base period)
Data Source: MLOST version 3.5.3

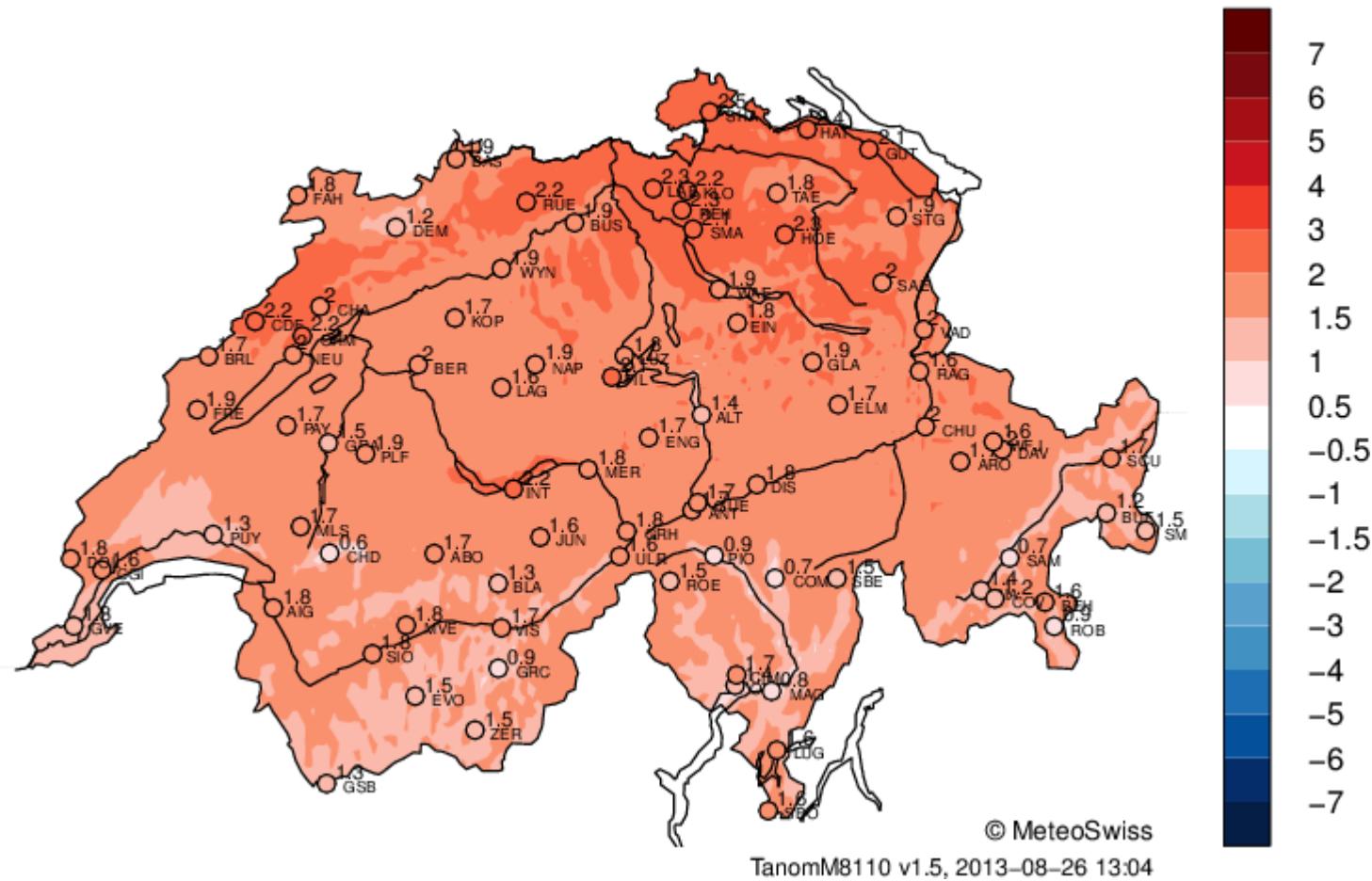


NOAA's National Climatic Data Center
Fri Jul 12 08:06:13 EDT 2013



Temperatura: luglio 2013

Monthly Temperature Anomaly (degC) Jul 2013 (Ref. 1981–2010)





Temperatura: luglio 2013

Abweichung vom Temperaturmittel (°C)

Juli 2013

Normperiode: 1981 – 2010

	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 ENGABO	CDF CHA DOL	MLS NAP PIL SAE WFJ JUN	DAV SCU SAMAND DIS	ULR VIS SIO M/E ZER	ROB SBE CIM PIO COM OTL LUG SBO		
1	-0.7 -0.1 -0.4 -0.2	-1.0 -1.2 -1.1 -0.6	-0.7 -0.1 -0.7 -0.9 -0.4 -0.8 -0.2 -0.8	-0.5 -0.4 -1.2 -0.1 0.3	0.1 -0.2 0.5	0.4 1.0 0.8 0.1 0.2 0.5	0.4 0.2 -1.5 NA 0.8	0.0 0.0 -0.2 0.3 -0.4	-1.0 -1.0 0.0 -0.8 -1.3 0.5 -0.1 -0.4	1	
2	1.5 1.7 0.3 0.9	2.3 1.5 -0.1 1.4	1.0 0.3 0.8 1.3 1.3 1.9 1.5 1.9	1.8 2.0 0.4 1.3 1.3	0.4 1.0 1.1	1.4 1.9 1.3 1.0 1.2 -0.1	2.0 2.0 0.5 NA 1.7	0.7 0.9 0.9 1.6 0.4	1.1 0.4 0.3 -0.5 0.4 1.2 0.8 0.7	2	
3	-2.1 -1.4 -1.8 -2.3	-1.7 -2.6 -2.3 -1.5	-1.9 -2.2 -2.0 -1.7 -1.4 -1.6 -2.3 -1.4	-1.5 -1.8 -1.9 -1.2 -0.8	-1.2 -1.7 -2.1	-1.6 -1.7 -0.6 -0.3 -0.8 -0.6	-0.3 -0.9 -1.4 NA -1.7	-1.9 -1.8 -2.1 -1.6 -1.7	-1.5 -2.6 -2.5 -3.9 -3.8 -2.9 -1.7 -2.1	3	
4	-0.1 -1.8 -1.2 -2.7	-1.3 -1.6 -1.3 -0.8	-0.6 -1.5 -0.6 0.4 -0.2 0.2 -1.1 -1.0	0.3 -0.1 -0.9 -1.4 -1.2	-2.0 -2.8 -3.0	-2.3 -2.4 -1.5 -0.6 -0.4 1.0	0.5 0.8 1.0 NA 0.1	0.4 0.4 0.0 -0.8 0.1	0.2 1.4 1.8 0.4 -0.5 0.6 0.1 0.5	4	
5	0.5 -0.2 -0.2 -0.8	-0.5 0.4 0.7 0.9	0.8 0.3 0.4 0.9 0.6 0.5 0.0 -0.7	1.3 1.1 0.2 0.5 1.0	0.2 -0.5 -0.2	-0.6 -1.1 -0.9 0.1 0.2 3.2	1.4 2.5 1.8 NA 1.3	2.1 1.7 1.4 0.9 1.6	2.1 2.5 3.2 2.0 1.7 3.3 2.3 2.7	5	
6	2.8 2.2 1.4 1.5	0.6 1.4 2.8 1.8	2.0 1.8 2.2 2.5 2.2 1.7 1.9 1.1	2.7 1.9 1.1 1.6 2.3	2.7 1.8 1.6	2.4 0.9 1.5 1.0 1.1 3.2	2.3 3.0 1.3 NA 3.0	1.7 2.3 2.4 2.5 2.2	2.0 2.6 2.6 2.3 1.2 3.6 3.1 3.1	6	
7	3.5 2.6 2.4 2.1	1.6 2.4 3.4 2.2	2.5 2.1 2.6 2.9 2.6 1.8 2.0 1.3	2.6 1.9 1.7 2.0 2.8	3.3 2.5 2.2	2.7 1.5 2.0 1.8 2.1 3.1	2.2 2.4 0.3 NA 2.9	2.3 3.3 3.3 3.2 3.1	0.8 2.0 1.7 1.9 2.0 2.9 2.5 1.8	7	
8	4.1 3.1 2.5 2.2	1.5 2.0 3.6 2.8	3.0 2.6 3.3 3.6 3.1 2.9 2.9 1.5	1.7 2.0 1.8 2.0 2.7	4.1 2.7 2.2	2.7 1.3 2.7 2.7 1.7 2.1	1.8 2.0 0.4 NA 1.5	1.7 2.7 2.2 2.3 1.5	0.2 0.8 0.9 0.2 0.2 0.1 0.1 0.5 0.7	8	
9	3.7 2.4 2.4 1.9	1.7 1.5 2.3 2.0	2.4 1.8 2.7 3.1 2.9 2.5 2.4 1.7	2.4 2.0 0.7 1.6 0.8	2.8 2.3 2.3	2.0 1.9 2.9 2.9 1.6 2.4	1.3 0.7 0.5 NA 1.4	1.7 1.3 0.9 1.5 1.6	0.4 1.4 1.5 0.4 0.0 0.8 1.7 2.0	9	
10	3.7 2.8 3.1 3.1	1.8 2.2 3.0 2.6	2.8 1.7 2.9 3.2 3.3 2.7 2.6 2.5	2.8 1.9 1.1 1.2 1.4	3.9 2.4 2.3	1.2 2.3 1.3 1.1 0.8	1.9 2.4 2.0 1.9 NA 1.7	1.5 1.3 1.3 1.1 0.5	-0.4 2.8 1.3 1.2 1.4 0.1 0.0 0.7	10	
11	1.3 0.1 -0.4 -0.7	1.7 2.3 2.4 1.5	1.3 1.1 1.7 0.8 1.1 0.4 0.8 -0.9	0.7 0.2 0.9 1.2 1.9	2.0 1.2 2.0	0.9 0.1 0.6 0.3 -0.1	1.2 1.2 1.6 1.0 NA 1.5	1.4 2.1 2.7 2.1 1.6	2.0 2.8 3.0 2.6 2.1 1.7 1.8 1.7	11	
12	0.1 -0.3 -1.0 -0.8	0.8 0.4 1.1 -0.2	0.3 0.0 -0.3 -0.6 -0.9 -1.8 -0.4 -1.3	0.1 -0.9 0.1 0.1 0.9	0.8 0.6 1.2	1.6 0.0 1.4 1.4 0.7	1.1 0.6 0.2 -0.1 NA 1.3	1.2 2.1 2.3 1.9 1.9	0.3 0.7 1.0 1.1 0.9 1.5 1.5 1.7	12	
13	1.2 0.6 0.1 0.2	0.7 1.0 0.6 0.0	0.4 0.8 0.5 0.3 0.5 -0.4 0.7 0.2	0.7 0.0 0.4 0.8 0.5	0.9 0.7 1.2	0.8 1.4 1.0 0.4 -0.1	0.9 0.4 -0.1 NA 1.2	1.5 0.6 1.8 0.7 1.3	0.6 1.1 1.1 1.4 -0.1 0.8 1.4 1.9	13	
14	2.0 1.4 0.7 0.9	1.2 1.7 2.4 1.1	1.4 1.3 1.3 1.0 1.1 0.2 1.7 0.9	1.3 0.6 0.9 1.3 1.6	1.9 1.8 2.0	1.5 1.8 1.3 0.4 0.3	1.1 1.2 0.7 -0.1 NA 1.4	1.8 1.5 2.3 1.8 1.7	0.3 1.6 1.0 2.1 0.5 0.6 1.2 0.8	14	
15	2.3 1.4 1.0 1.3	1.3 2.0 1.9 1.4	1.4 2.0 1.4 2.0 1.8 1.0 2.2 1.4	1.8 1.6 1.4 1.6 1.8	1.8 1.5 2.0	1.7 1.9 1.3 0.9 0.2 0.6	1.7 1.6 0.3 NA 2.0	1.9 1.7 2.8 1.9 2.0	1.9 3.1 2.5 2.7 2.3 2.2 1.9 1.6	15	
16	2.6 2.6 1.7 2.2	1.8 2.1 3.2 2.3	1.8 2.2 1.7 1.8 1.5 0.8 2.3 1.6	2.6 1.9 1.6 2.0 2.0	2.9 3.0 3.0	3.2 2.8 4.1 4.3 3.2 3.9	2.9 2.8 0.7 NA 3.5	3.1 3.0 3.6 3.2 3.2	2.0 2.7 2.2 2.8 2.3 2.7 2.5 2.2	16	
17	3.2 1.9 1.2 2.0	0.3 1.6 2.6 2.2	0.9 1.3 0.7 2.9 1.9 2.3 2.1 2.9	2.0 2.3 1.6 1.8 1.8	2.3 2.8 1.5	1.5 2.7 2.5 2.5 2.4 2.3	2.0 2.6 0.8 NA 1.5	2.1 1.1 1.2 1.1 1.0	0.7 0.9 0.0 -0.3 1.2 0.8 2.0 1.4	17	
18	5.0 2.4 1.8 1.4	-0.1 -0.3 0.9 0.9	1.5 2.8 3.0 3.5 3.2 3.4 2.9 2.2	0.3 0.8 1.4 1.1 1.4	1.8 2.0 0.5	0.2 1.6 2.4 1.8 1.4 -0.2	0.8 0.6 0.6 NA 0.3	0.1 -1.4 -1.5 -0.9 -2.6	0.0 -0.8 -0.3 -1.4 -1.0 -1.2 0.5 0.0	18	
19	3.8 2.9 2.0 2.0	-0.4 0.1 0.8 1.3	1.9 2.4 2.4 2.6 2.4 2.0 2.0 2.1	1.2 0.9 1.5 0.5 0.2	1.3 1.8 0.7	0.2 1.2 2.3 1.5 0.9 1.4	1.0 0.3 1.0 NA 1.4	0.1 -0.1 0.4 0.2 0.0	-0.6 -0.5 0.6 -0.2 -0.4 0.4 1.0 0.3	19	
20	4.5 3.6 3.1 3.0	0.4 0.2 1.9 2.1	2.8 2.9 3.3 3.5 3.6 2.9 3.4 3.0	2.1 2.8 1.3 1.6 1.0	3.2 2.9 2.3	1.8 2.4 2.6 2.3 2.1 2.3	2.1 2.5 1.4 NA 1.7	1.0 1.4 1.1 1.4 1.4	1.0 0.5 2.0 0.2 -0.5 0.7 2.2 1.8	20	
21	5.1 5.0 4.5 4.5	2.7 2.8 3.9 4.1	3.6 3.6 3.6 3.9 3.7 2.9 4.0 3.4	2.7 3.9 2.3 2.5 1.7	4.5 4.3 4.2	3.5 4.3 4.1 3.8 2.8 2.6	2.6 3.1 1.3 NA 2.7	2.7 2.2 3.2 2.9 2.2	1.0 1.4 2.5 1.7 1.2 2.3 2.8 2.4	21	
22	4.6 6.4 5.8 5.6	4.1 3.8 4.4 5.1	3.9 4.9 4.6 4.3 4.6 4.4 5.1 4.8	4.0 4.4 3.7 4.3 3.3	4.8 5.3 4.6	4.2 4.2 4.1 3.7 1.9	3.5 1.5 0.0 NA 4.1	2.6 1.5 1.8 2.7 2.2	1.0 2.3 2.2 1.3 1.6 2.3 2.6 3.2	22	
23	3.7 4.4 4.1 4.1	3.3 2.6 3.2 4.3	3.6 3.1 3.7 4.0 3.6 3.5 4.0 5.0	3.2 4.2 2.1	2.6 3.0	2.7 4.7 4.1	3.4 4.6 4.1 3.6 2.6 2.1	2.9 1.4 1.2 NA 2.3	2.4 2.0 1.8 2.8 1.9	0.4 1.5 2.8 0.4 0.2 1.1 1.3 2.6	23
24	1.1 2.0 3.0 2.4	2.6 1.5 2.2 3.0	2.9 1.4 2.0 0.4 2.1 1.1 2.0 1.7	0.9 1.3 0.0 1.1 2.2	2.6 2.1 2.4	1.9 2.6 2.0 1.9 1.9 0.9	1.5 1.6 0.3 NA 0.4	1.2 2.4 2.5 2.3 1.2	-0.2 0.5 2.9 -0.4 -0.4 0.9 1.7 2.2	24	
25	3.7 4.2 4.2 4.5	3.9 3.6 4.3 4.2	4.1 3.3 3.9 2.7 4.1 3.4 4.2 3.9	4.0 3.8 3.1 3.9 4.2	3.9 4.1 4.3	3.7 4.7 3.5 3.0 2.8 2.1	3.7 3.1 1.7 NA 3.5	3.4 3.6 4.5 4.2 3.2	1.8 3.6 4.1 2.6 1.8 3.2 3.0 3.2	25	
26	5.6 6.6 6.4 6.2	5.1 4.7 5.1 5.7	5.3 5.6 5.5 5.1 6.1 4.8 6.4 6.4	6.2 6.2 4.2	5.8 5.7	5.8 6.8 6.1	6.5 7.5 6.8 6.3 5.4 4.8	5.0 5.5 2.9 NA 5.1	3.7 4.8 5.6 6.0 4.6	2.9 3.7 4.4 3.2 2.9 4.0 3.6 3.9	26
27	7.5 9.4 8.7 8.9	5.8 5.8 6.9 7.7	6.8 7.7 7.3 6.5 7.8 6.8 8.7 9.1	9.2 9.5 7.8 8.6 8.1	7.9 7.9 6.8	7.9 8.5 8.8 8.4 7.2 5.0	7.0 5.0 4.0 NA 7.2	4.2 5.9 7.3 7.5 6.3	3.2 4.5 4.8 4.0 4.1 4.8 4.6 4.9	27	
28	8.1 3.5 2.9 2.2	3.2 3.5 3.8 3.6	3.5 8.2 4.0 6.4 6.0 6.1 5.3 7.3	8.5 8.5 7.7 5.8 4.4	3.1 3.2 2.8	3.9 3.6 4.9 6.9 6.8 2.6	7.6 6.4 4.3 NA 6.4	8.6 7.3 5.7 6.5 8.4	4.3 4.4 4.0 3.6 4.8 5.2 5.1 5.3	28	
29	-2.5 -2.4 -2.1 -2.1	-3.0 -3.5 -2.6 -2.2	-2.4 -2.9 -2.5 -2.3 -2.1 -2.0 -3.0 -2.3	-2.1 -2.0 -2.2 -2.5 -2.6	-1.5 -2.3 -3.0	-3.4 -3.3 -3.0 -1.8 -0.7	-2.2 -1.3 -1.1 -2.0 NA -2.9	-2.3 -2.6 -3.4 -3.7 -2.8	-1.1 -1.8 -1.8 -3.2 -3.1 -3.1 -2.7 -3.0	29	
30	-0.7 -0.8 0.0 -0.2	-0.7 -1.2 0.3 -0.2	-0.5 -0.8 -0.9 0.0 -0.4 -0.1 -0.7 0.0	-1.3 -0.5 -0.9 -0.7 -1.2	-0.6 -1.6 -2.0	-2.0 -1.3 -2.5 -2.3 -3.0	-2.7 -1.5 -2.0 -1.3 NA -1.6	-0.7 -0.4 -0.6 -1.3 -1.4	2.5 0.0 0.8 -0.1 0.6 0.2 0.2 0.3	30	
31	1.8 2.0 2.4 1.9	0.1 0.5 1.6 1.6	1.4 2.1 1.2 1.8 2.1 2.3 2.4 2.0	1.3 1.8 1.2 1.5 1.2	2.1 1.5 1.7	2.0 1.5 1.8 1.7 1.3 1.5	1.2 1.1 -0.5 NA 1.6	1.3 0.4 1.1 0.9 0.4	-0.2 2.8 2.6 1.6 0.5 1.7 1.1 0.8	31	
Mitt.	2.5 2.2 1.9 1.8	1.3 1.3 2.0 1.9	1.8 1.8 1.9 2.1 2.2 1.8 2.1 1.9	2.0 2.0 1.4 1.7 1.7	2.2 2.0 1.8	1.7 1.9 2.1 2.0 1.6 1.6	2.0 1.7 0.7 NA 1.8	1.6 1.7 1.8 1.8 1.5	0.9 1.5 1.7 0.9 0.7 1.4 1.6 1.6	Mitt.	

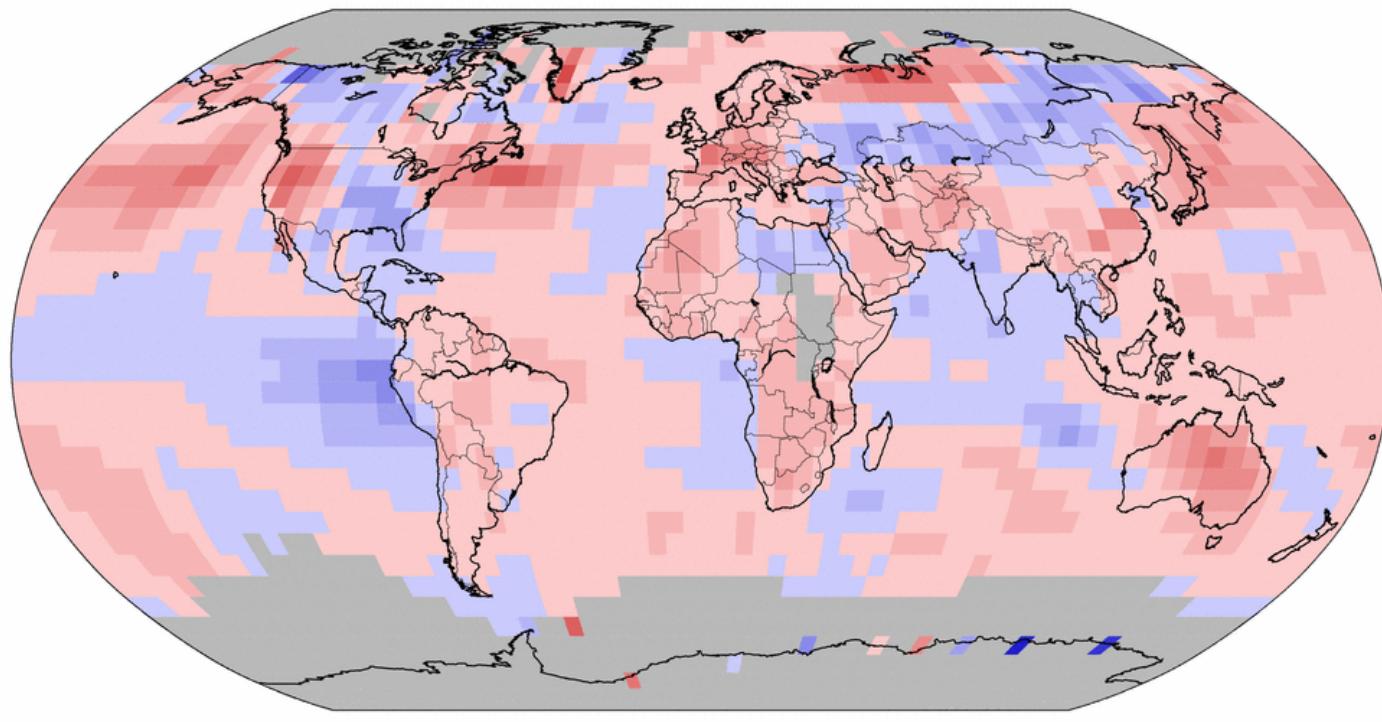




Temperatura: anomalie globali luglio 2013

Land & Ocean Temperature Anomalies Jul 2013
(with respect to a 1981–2010 base period)

Data Source: MLOST version 3.5.4



NOAA's National Climatic Data Center
Wed Aug 14 08:06:31 EDT 2013

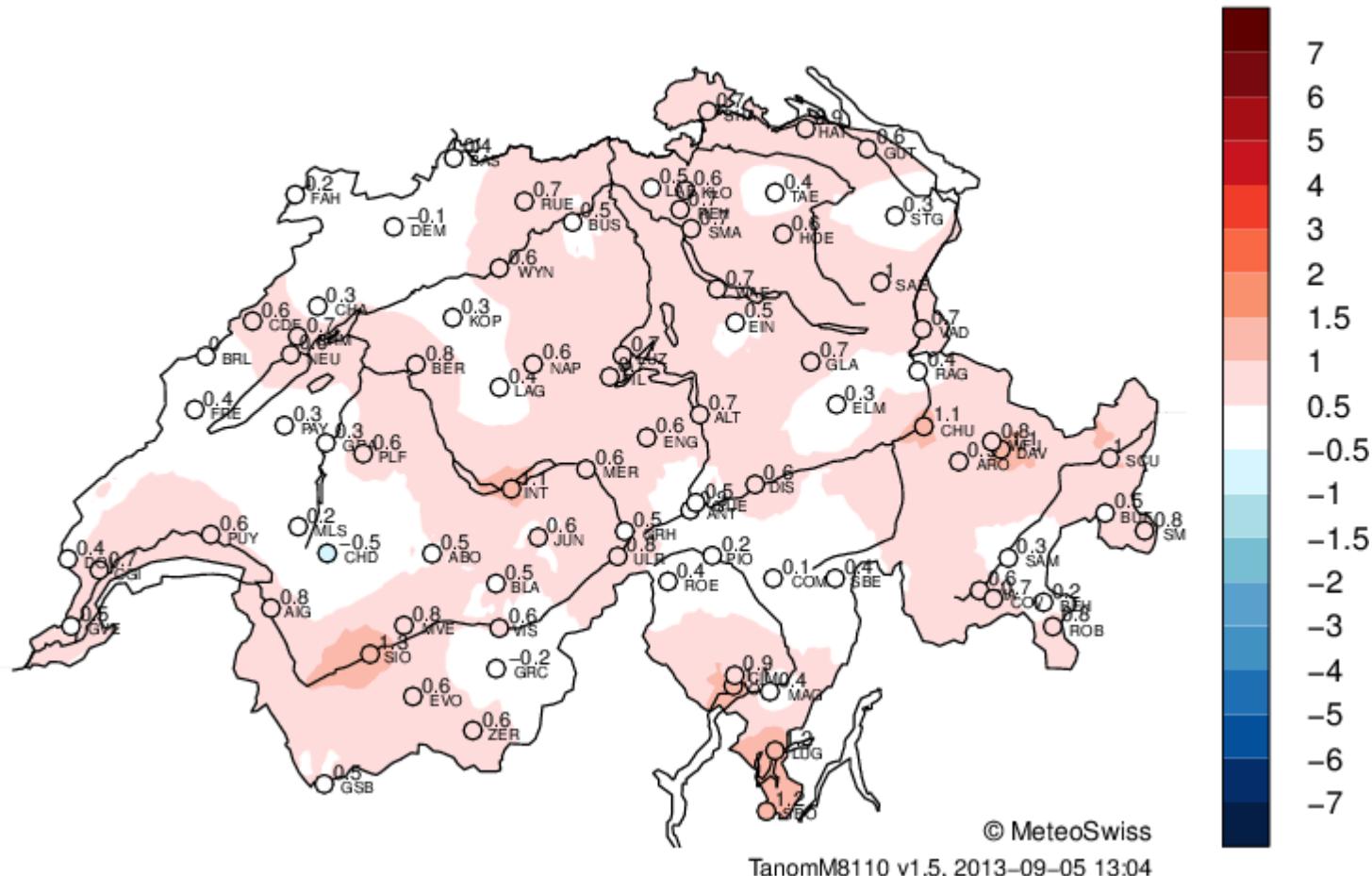
Degrees Celsius

Please Note: Gray areas represent missing data
Map Projection: Robinson



Temperatura: agosto 2013

Monthly Temperature Anomaly (degC) Aug 2013 (Ref. 1981–2010)





Temperatura: agosto 2013

Abweichung vom Temperaturmittel (°C)

August 2013

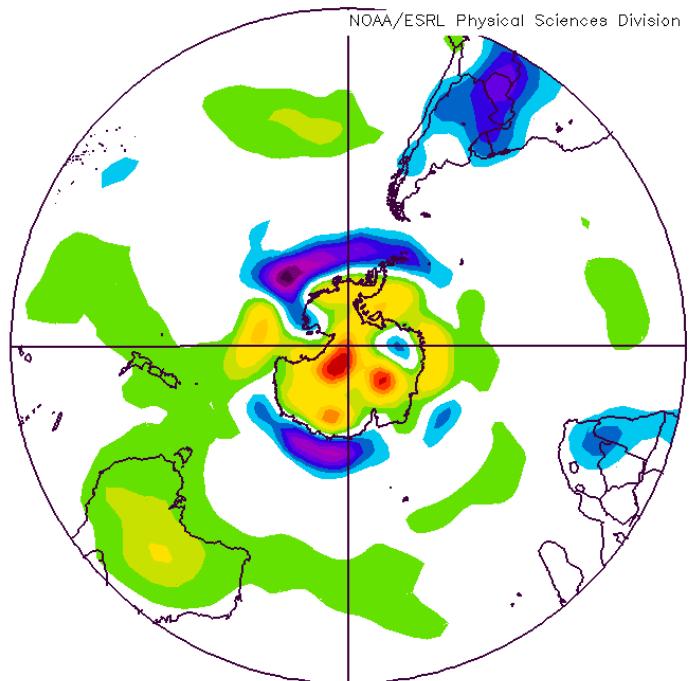
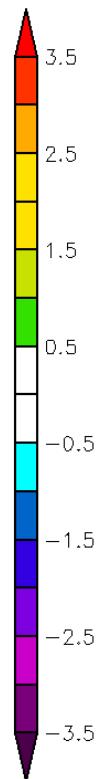
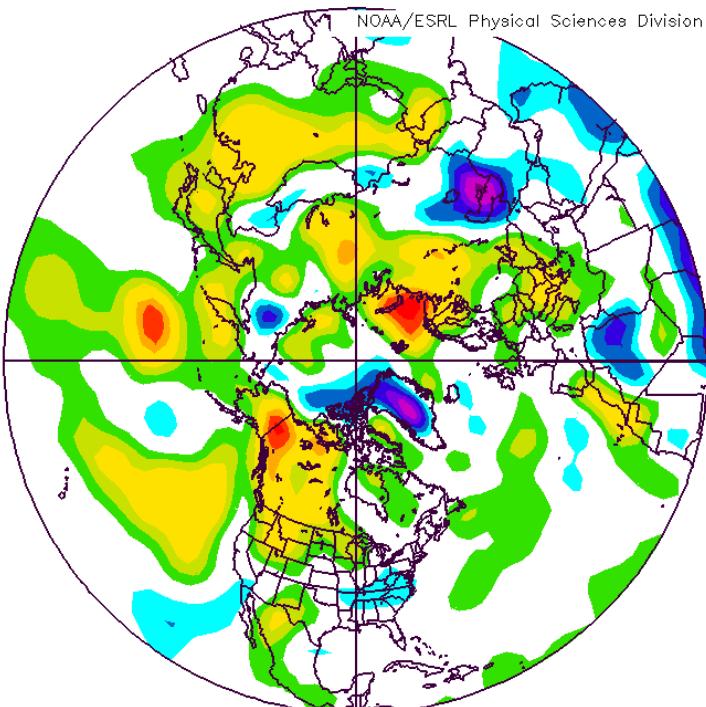
Normperiode: 1981 – 2010

	N/NW-CH	Mittelland West	Mittelland Zentral/Ost	Täler Alpennordhang	Jura	Berglagen	Täler GR	Wallis	Alpensüdseite	
SHA RUE BAS RAH	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 AND DIS	ULR VIS SIO MVE ZER	ROB SBE CIM PIO COM OTL LUG SBO		
1	3.5 6.2 4.7 4.6	3.2 2.8 3.2 3.7	3.0 3.5 3.2 2.6 3.5 2.7 4.2 4.3	4.5 4.8 1.7 4.1 4.7 4.8 5.6 5.1	5.5 6.2 6.7 7.3 6.0 6.8	4.5 3.9 1.1 NA 4.3	2.8 2.6 3.5 5.0 3.5	0.7 1.5 3.2 1.5 1.1 2.3 2.2 2.1		1
2	5.2 7.9 6.9 7.4	4.5 4.6 4.7 5.6	4.7 5.8 5.2 4.7 5.6 5.3 6.4 7.2	7.6 7.2 3.7 6.6 6.5	6.3 6.9 6.5	7.4 7.9 8.1 8.4 7.4 6.7	6.4 6.3 3.0 NA 5.9	3.7 4.1 5.2 6.7 4.7	2.4 2.4 5.1 2.9 2.5 3.3 3.0 2.9	2
3	5.0 5.1 4.9 4.6	4.8 4.7 5.4 5.6	5.2 4.2 4.8 4.9 4.9 5.1 5.1 5.4	4.5 5.4 4.3 4.3 5.1	4.9 4.7 4.6	5.5 6.3 6.2 7.1 7.8 5.7	5.6 4.8 3.8 NA 4.2	3.0 2.3 4.8 4.9 3.4	3.3 3.6 5.3 1.9 2.1 3.3 3.6 3.7	3
4	2.0 1.5 0.8 1.1	3.4 3.7 2.7 3.1	2.1 3.0 1.8 2.0 1.9 2.4 2.6 2.3	2.6 2.8 2.3 3.6 3.8	2.6 3.2 3.3	4.2 3.4 4.6 5.3 6.2 4.5	4.1 2.6 3.8 NA 3.3	2.8 2.7 3.9 3.7 2.7	3.6 4.2 6.2 2.5 2.2 3.8 3.8 4.0	4
5	4.5 6.3 4.8 4.7	4.9 4.3 4.2 5.1	4.1 5.2 4.3 4.1 4.9 4.7 5.3 4.8	5.5 6.1 4.0 5.1 4.9	5.4 6.6 5.5	5.5 6.4 6.5 7.0 7.2 4.0	6.8 6.3 4.0 NA 5.5	4.1 4.5 5.6 5.7 4.8	4.0 4.2 5.3 4.3 4.4 5.1 4.8 4.5	5
6	4.3 4.4 3.9 3.8	3.4 3.9 4.3 4.4	3.8 3.6 3.8 3.5 3.9 3.6 3.7 5.1	5.3 4.4 3.6 3.5 3.2	4.3 4.7 3.9	4.2 5.2 5.5 6.2 6.1	3.0 6.4 6.3 3.8 NA 3.3	1.3 3.8 3.7 4.6 3.0	4.0 3.6 4.9 1.2 3.7 4.5 4.6 4.6	6
7	1.2 -0.5 -0.7 -0.9	-1.0 -0.8 -1.0 0.0	0.1 1.4 0.2 1.9 1.2 1.9 1.0 1.1	4.5 2.0 2.7 1.7 0.5	0.4 -0.2 -1.4	-0.2 0.5 2.3 4.4 4.6	0.2 5.6 5.0 4.3 NA 2.6	0.7 0.4 -0.3 0.2 -0.2	3.4 2.7 2.4 0.7 1.7 1.6 3.2 3.5	7
8	-1.0 -1.4 -1.0 -1.8	-1.6 -1.5 -1.4 -1.0	-0.5 -1.1 -1.0 -0.6 -0.7 -1.0 -1.5 -1.2	-0.6 -0.4 -0.9 -0.5 -0.9	-0.5 -1.3 -1.9	-1.6 -1.6 -0.8 1.1 1.2 -0.8	2.3 2.5 0.7 NA -2.1	-1.3 -1.2 -1.6 -1.7 -0.8	0.0 -0.5 -1.4 -2.9 -2.9 -3.1 -0.8 -0.1	8
9	-2.3 -2.0 -1.3 -1.6	-1.5 -1.5 -0.9 -1.0	-1.0 -3.1 -1.5 -2.7 -2.0 -2.6 -2.9 -3.2	-2.8 -2.9 -2.7 -2.9 -3.2	-1.6 -2.8 -2.8	-3.4 -3.1 -2.7 -2.0 -2.0 -2.4	-1.8 -1.7 -0.8 NA -3.3	-1.5 -1.5 -1.0 -2.3 -2.8	-0.6 -1.0 0.1 -1.2 -1.0 -0.3 1.0 2.4	9
10	-0.9 -0.9 -0.5 -1.1	-0.9 -0.8 -0.7 -0.8	-0.9 -0.9 -0.7 -1.1 -1.1 -1.3 -0.7 -1.2	-1.0 -1.7 -1.7 -1.7 -2.0	-1.0 -1.7 -1.7	-2.1 -1.3 -2.4 -2.8 -3.2 -2.4	-1.8 -1.7 -2.8 NA -1.9	-1.6 -1.1 -0.9 -1.7 -2.8	2.7 -1.0 0.6 -0.2 0.4 2.1 3.2 3.0	10
11	-0.2 -0.6 -0.8 -1.5	-0.7 -0.1 0.2 0.3	0.3 0.8 -0.1 0.5 0.3 0.7 0.5 -0.3	-0.1 0.2 0.4 0.5 -0.8	-1.5 -1.4 -0.9	-1.1 -0.9 -1.3 -1.3 -1.3	0.2 -0.5 0.0 -1.6 NA -0.2	0.5 -0.4 0.4 -0.7 0.0	-0.8 0.0 0.6 0.1 -1.8 0.7 0.7 0.1	11
12	1.2 1.0 0.7 0.2	1.0 0.8 1.3 1.4	0.9 1.4 1.1 1.0 1.3 1.3 1.4 0.8	2.1 1.3 1.4 1.3 1.2	0.7 0.6 1.1	0.9 1.1 0.8 0.8 1.9 1.2	2.2 2.1 0.5 NA 2.1	2.5 0.9 1.8 1.7 1.5	0.6 0.9 1.1 0.1 -0.4 1.2 1.4 1.0	12
13	-0.2 -1.5 -1.1 -2.4	1.6 1.1 0.4 0.5	0.7 -0.3 0.4 0.2 0.1 0.0 -0.2 -1.1	0.2 0.0 0.2 -0.7 -0.5	-1.4 -2.8 -1.2	-1.1 -1.7 -1.8 -1.6 -1.0 -1.4	0.1 1.1 1.8 NA 0.2	1.4 2.0 2.5 1.3 2.0	2.2 1.7 2.4 1.8 1.2 2.8 2.7 2.6	13
14	-1.8 -2.7 -3.3 -3.7	-2.0 -1.4 -1.8 -1.7	-1.8 -0.9 -1.7 -0.9 -1.6 -1.9 -1.7 -2.8	-1.1 -1.3 -0.3 -1.6 -1.9	-3.3 -4.2 -3.2	-3.6 -3.9 -3.9 -3.7 -3.3 -2.1	-1.7 -0.1 0.7 NA -1.3	-0.4 -0.9 -0.3 -2.0 -0.7	0.6 -0.1 -0.8 0.9 0.4 0.4 0.2 -1.3	14
15	-0.8 -1.3 -2.0 -1.6	-1.5 -1.2 -0.3 -1.4	-1.6 -0.8 -1.7 -0.9 -1.2 -2.3 -1.0 -1.9	-0.4 -1.4 -0.6 -1.0 -0.9	-0.9 -1.3 -0.6	-0.1 -1.5 -0.2 -0.5 -0.1 1.6	-0.3 0.3 -1.2 NA 0.2	0.3 -0.6 0.3 0.0 0.1	-0.2 -1.0 -1.7 -0.6 -1.2 0.3 0.0 -0.1	15
16	1.0 2.1 1.2 1.8	0.7 0.8 0.4 1.1	0.8 1.2 0.8 0.3 0.7 0.0 1.5 0.9	2.5 0.2 1.2 1.3 1.6	2.0 2.3 2.0	1.4 2.8 2.1 1.7 1.8 1.1	2.3 3.3 1.2 NA 2.2	2.0 0.8 2.0 1.9 1.7	1.5 0.3 -0.6 0.7 0.1 0.5 0.2 -0.4	16
17	3.6 4.3 3.3 3.3	1.5 2.4 2.3 3.1	3.1 3.7 3.2 3.0 3.5 3.1 4.1 3.8	3.3 3.4 3.1 3.2 2.7	2.2 2.7 2.1	1.6 3.2 1.6 1.9 1.6 1.3	2.3 2.9 2.1 NA 2.7	2.8 1.7 3.3 2.4 2.7	2.1 1.3 1.7 0.8 0.7 1.8 1.7 1.2	17
18	3.9 4.0 3.0 2.9	3.1 2.9 3.0 4.0	3.5 3.8 3.5 3.9 3.8 4.0 4.3 3.7	3.6 3.8 2.1 2.7 2.9	2.7 2.7 2.9	2.2 4.0 3.3 3.3 2.9	2.0 3.6 2.9 2.3 NA 3.0	2.3 2.6 4.0 3.1 2.5	2.2 1.3 2.7 1.5 1.1 2.7 2.4 2.4	18
19	0.2 0.7 0.1 -0.4	2.6 1.7 1.2 1.3	1.1 0.0 0.8 0.0 0.2 0.3 -0.1 -0.4	-0.7 -0.5 -0.4 -0.1 0.5	0.6 -0.5 -1.1	-1.2 -0.3 -0.6 -0.7 -0.7	-0.4 -0.4 -0.6 -0.2 NA -0.5	0.7 1.1 1.7 0.9 0.3	0.5 -0.1 0.1 -0.5 -0.4 -0.3 0.9 1.4	19
20	-1.4 -1.7 -2.1 -2.3	0.1 -0.2 -0.3 -1.2	-1.3 -0.9 -1.4 -1.1 -1.4 -1.7 -1.5 -2.6	-1.2 -1.5 -1.3 -1.7 -1.3	-1.6 -2.5 -1.6	-3.2 -2.9 -3.4 -4.3 -4.4 -2.1	-2.7 -2.6 -2.0 NA -2.1	-0.7 -0.2 0.2 -0.9 -1.9	2.2 -1.3 -0.2 -0.7 1.5 1.9 2.8 3.2	20
21	0.0 -1.0 -1.7 -1.4	-0.8 -1.1 0.0 -1.8	-1.2 -1.8 -1.4 -0.2 -1.2 -2.2 -1.5 -2.3	-1.2 -1.5 -1.8 -1.9 -1.1	0.3 -1.0 -0.1	1.3 -1.6 2.3 2.2 2.0	3.5 -1.5 -1.0 -2.6 NA -1.4	-1.5 -1.3 0.1 -0.5 -0.3	-1.9 -1.1 -0.6 -1.8 -2.5 -0.2 0.1 -0.3	21
22	0.8 0.6 -0.6 0.5	-0.8 0.1 0.9 -0.3	-0.8 0.0 -0.6 -0.4 -0.1 -1.5 0.0 -1.0	0.4 -0.7 -0.5 -0.1 1.2	1.1 0.8 2.7	2.5 0.9 3.8 3.9 3.2 4.2	0.9 1.8 -0.3 NA 1.3	0.9 0.4 1.9 1.8 1.6	-0.2 -0.1 0.5 0.0 -0.4 1.0 0.9 0.1	22
23	0.9 2.5 1.8 2.5	1.8 2.0 1.9 1.6	0.7 2.0 1.4 -0.2 0.9 0.3 1.8 0.3	1.4 1.1 2.0 2.2 3.0	2.9 3.1 3.2	2.4 3.5 2.3 1.7 1.2 0.9	1.6 0.2 -0.2 NA 1.9	2.8 2.6 3.3 3.1	1.7 0.4 0.4 0.7 0.9 1.6 1.9 1.7	23
24	-1.0 -0.9 -0.9 -0.7	-1.2 -1.1 -1.2 -0.7	-1.2 -0.9 -1.2 -0.9 -0.7 -0.8 -0.7 -0.6	-0.1 0.7 0.2 -0.5 0.3	-0.3 -0.3 -0.8	-0.9 -0.1 0.0 0.4 0.1 -0.8	0.4 0.1 -0.7 NA -0.8	-0.6 -1.2 -1.2 -0.9 -0.7	-1.1 -1.0 -0.6 -1.6 -1.6 -1.0 -1.2 0.1	24
25	-2.2 -3.0 -2.5 -3.9	-2.2 -3.0 -3.0 -2.6	-2.2 -2.8 -2.2 -2.3 -1.7 -1.9 -1.9 -3.2	-1.8 -2.2 -0.8 -3.2 -4.0	-3.3 -4.5 -4.7	-3.4 -4.4 -4.9 -4.1 -5.0 -3.9	-3.4 -2.5 -2.0 NA -2.7	-1.5 -1.9 -2.3 -3.7 -2.8	-1.2 -1.7 -1.8 -0.9 -1.3 -1.2 -2.4 -2.2	25
26	-2.2 -2.2 -2.0 -3.5	-2.8 -2.6 -2.3 -1.8	-1.2 -1.7 -2.1 -1.0 -1.8 -1.9 -1.7 -2.6	-1.3 -1.6 -0.2 -2.2 -3.4	-3.0 -2.8 -3.7	-4.2 -3.2 -3.5 -3.1 -3.7 -2.4	-2.2 -2.8 -1.6 NA -2.6	-1.2 -2.2 -1.8 -3.1 -2.5	-2.0 -2.6 -3.3 -2.7 -2.5 -2.7 -3.3 -1.8	26
27	-2.3 -2.4 -1.8 -2.7	-2.8 -2.1 -2.8 -2.7	-2.2 -2.2 -2.4 -1.9 -2.4 -2.4 -2.8 -3.0	-2.1 -2.4 -1.1 -2.7 -3.7	-1.9 -2.8 -3.5	-4.1 -3.5 -3.2 -2.8 -3.6 -3.0	-2.3 -2.8 -2.4 NA -3.0	-1.7 -2.2 -1.9 -3.4 -2.6	-2.6 -3.4 -3.4 -3.5 -3.7 -2.7 -2.7 -1.8	27
28	-1.5 -2.1 -1.9 -2.8	-1.4 -1.3 -1.9 -1.0	-1.5 -1.9 -2.0 -1.3 -1.4 -1.5 -2.6 -2.8	-2.0 -2.6 -1.3 -2.3 -2.4	-1.2 -2.3 -2.4	-3.2 -3.0 -3.1 -3.4 -3.9 -2.5	-2.6 -3.2 -1.4 NA -2.3	-0.8 -1.0 0.3 -2.0 -1.7	-0.2 -0.8 0.4 -0.3 -0.8 -0.2 -0.4 -0.6	28
29	-0.5 -0.6 -0.7 -1.1	-1.0 -0.9 -0.5 -1.3	-0.9 -0.7 -1.1 -1.2 -1.0 -1.5 -1.0 -1.7	-0.8 -2.0 -0.2 -1.2 -1.1	-0.9 -1.0 -1.1	-1.1 -1.5 -0.9 -1.3 -1.7 -1.7	-1.3 -2.1 -1.5 NA -0.7	-0.5 -0.5 0.3 -0.4 0.0	-1.3 -1.3 -0.6 -0.7 -1.4 0.7 0.0 -0.4	29
30	0.6 1.2 0.5 0.6	-0.3 0.1 0.4 0.0	-0.3 0.2 -0.3 -0.4 -0.3 -0.9 0.3 -0.3	0.3 0.0 0.5 0.2 0.2	-0.1 0.4 0.1	-0.3 0.6 0.2 -0.6 -0.6 -0.6	0.2 -0.1 -1.9 NA 0.5	1.7 0.5 1.1 0.4 0.5	0.3 -0.8 -0.8 -0.1 -0.2 1.1 0.9 0.4	30
31	1.5 1.5 1.0 0.5	0.9 1.4 1.4 1.4	1.3 1.8 1.3 1.5 1.5 1.5 1.6 1.4	1.6 1.8 1.5 1.4 0.7	0.5 0.2 0.4	-0.5 0.8 -0.8 -0.7 -1.0 -0.6	1.2 0.7 0.1 NA 1.4	2.0 1.3 2.0 0.8 1.1	-0.2 1.8 1.1 1.4 -0.4 1.8 1.1 0.9	31
Mitt.	0.7 0.7 0.4 0.2	0.5 0.6 0.6 0.7	0.5 0.7 0.5 0.5 0.6 0.4 0.7 0.3	1.1 0.7 0.7 0.6 0.5	0.6 0.3 0.3	0.2 0.6 0.7 1.0 0.8 0.6	1.1 1.0 0.3 NA 0.6	0.8 0.6 1.3 0.8 0.6	0.8 0.4 0.9 0.2 0.0 1.1 1.2 1.2	Mitt.



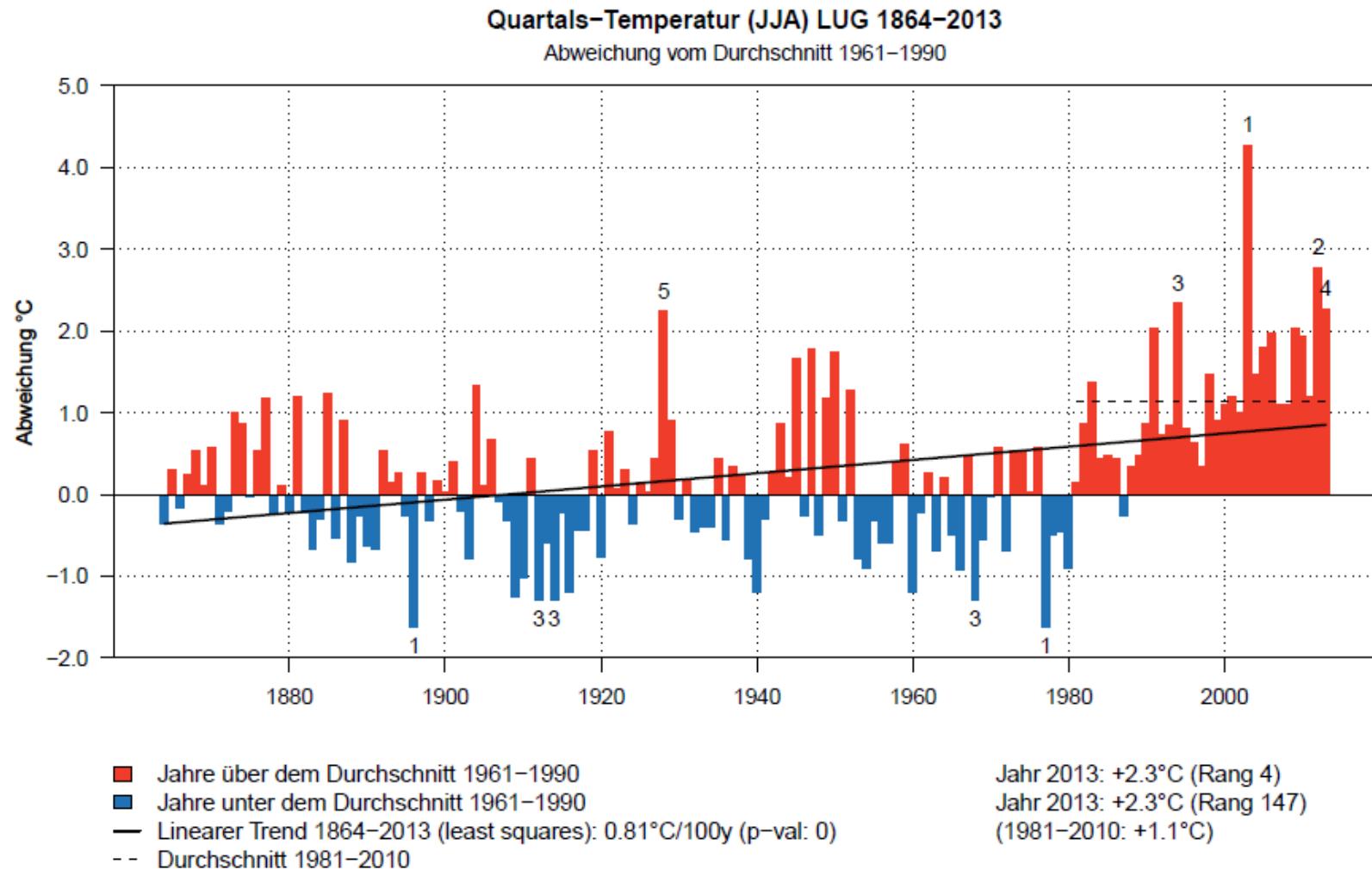


Temperatura: anomalie globali agosto 2013



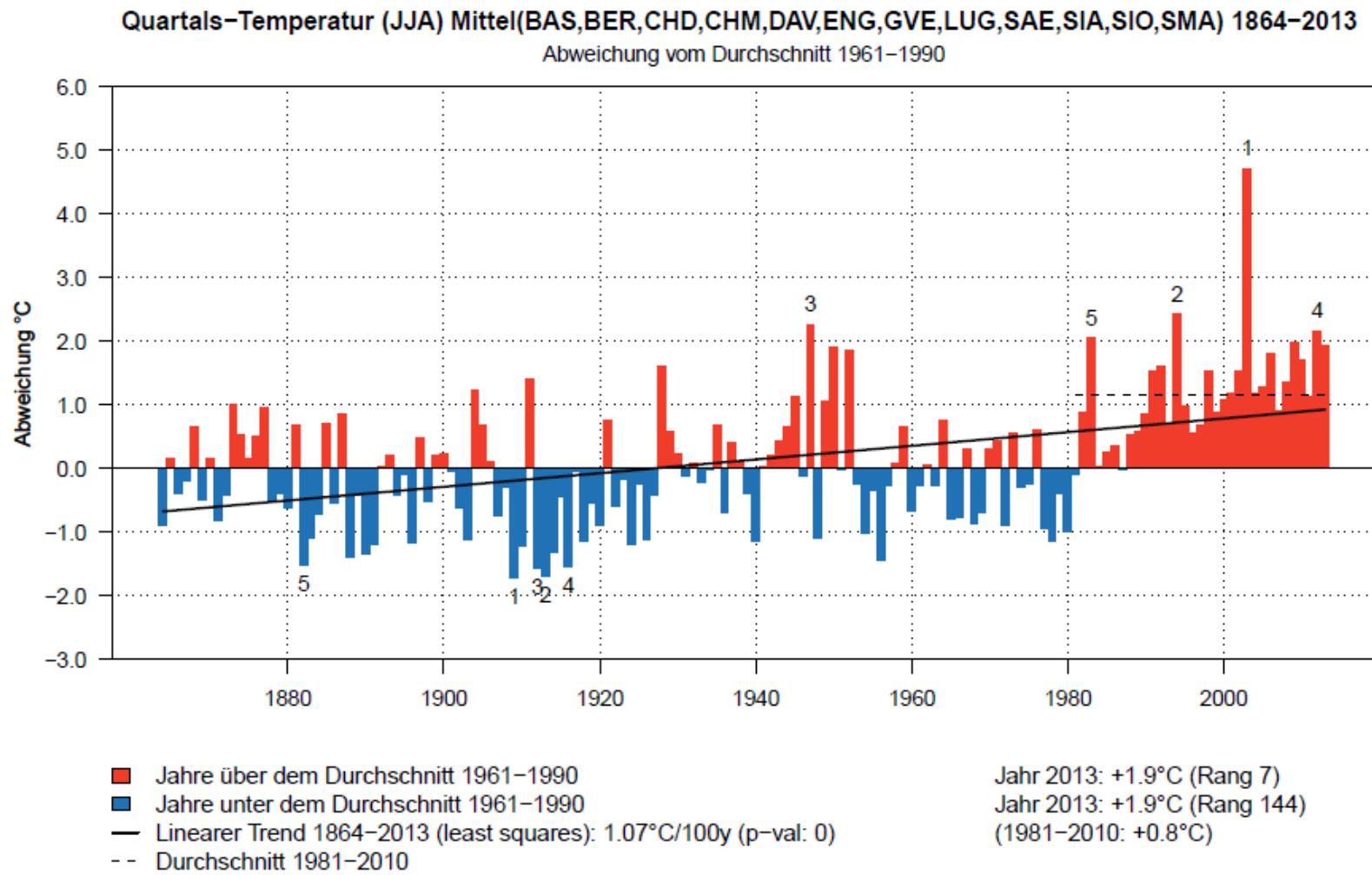


L'estate in TI 2013 rispetto alle altre



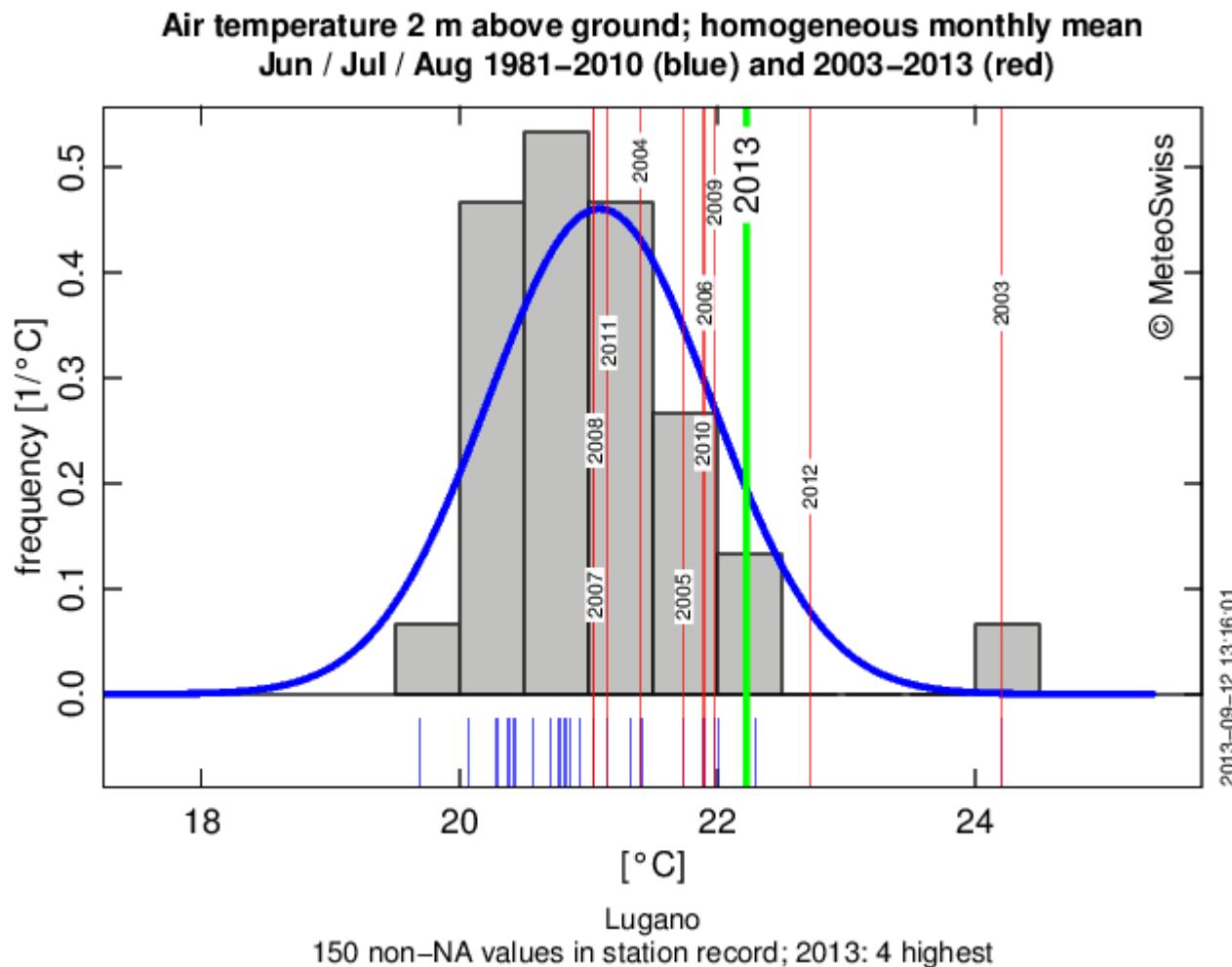


L'estate in CH 2013 rispetto alle altre



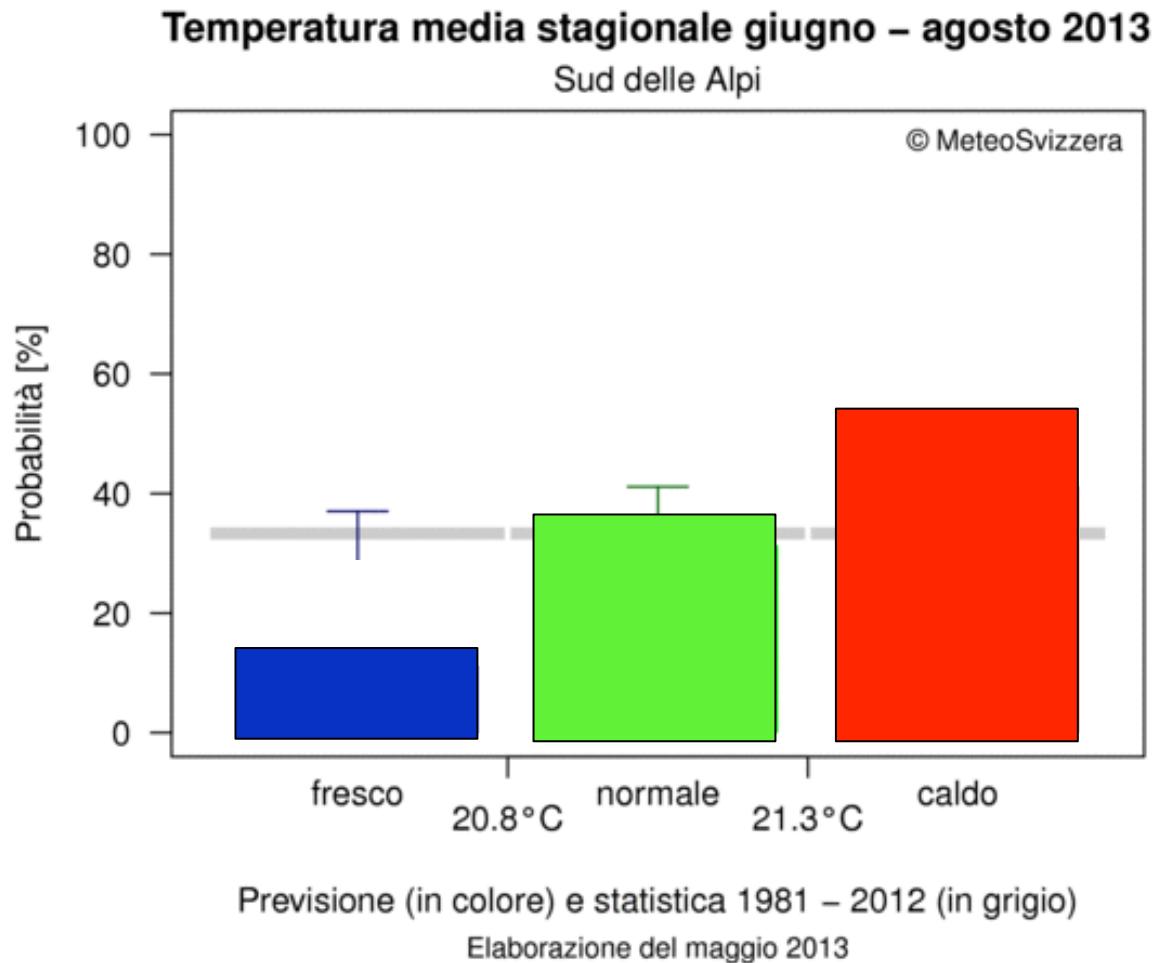


L'estate in TI 2013 rispetto alle altre





L'estate in TI 2013

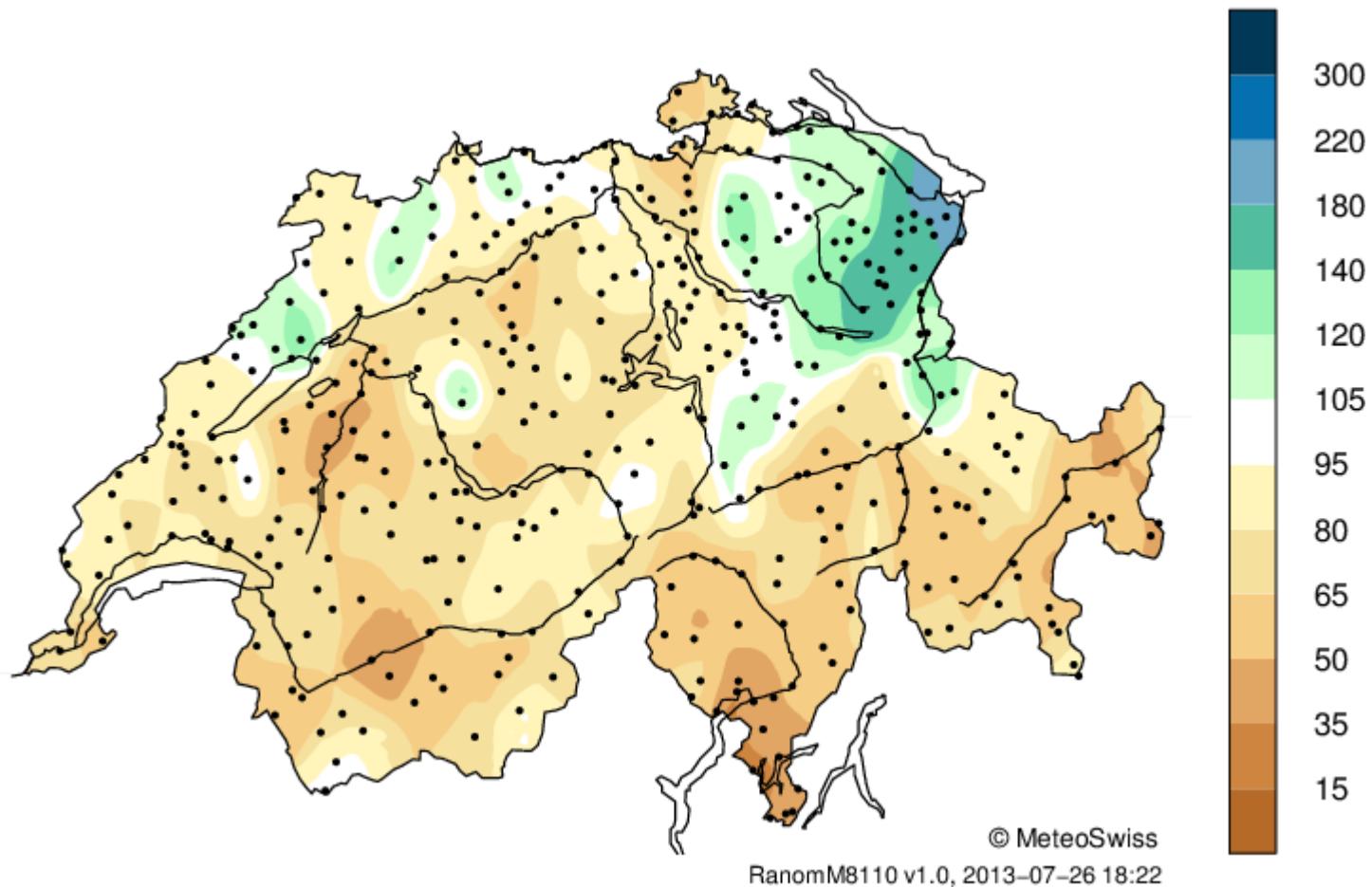


Osservato: 22.2 °C



Precipitazioni: giugno 2013

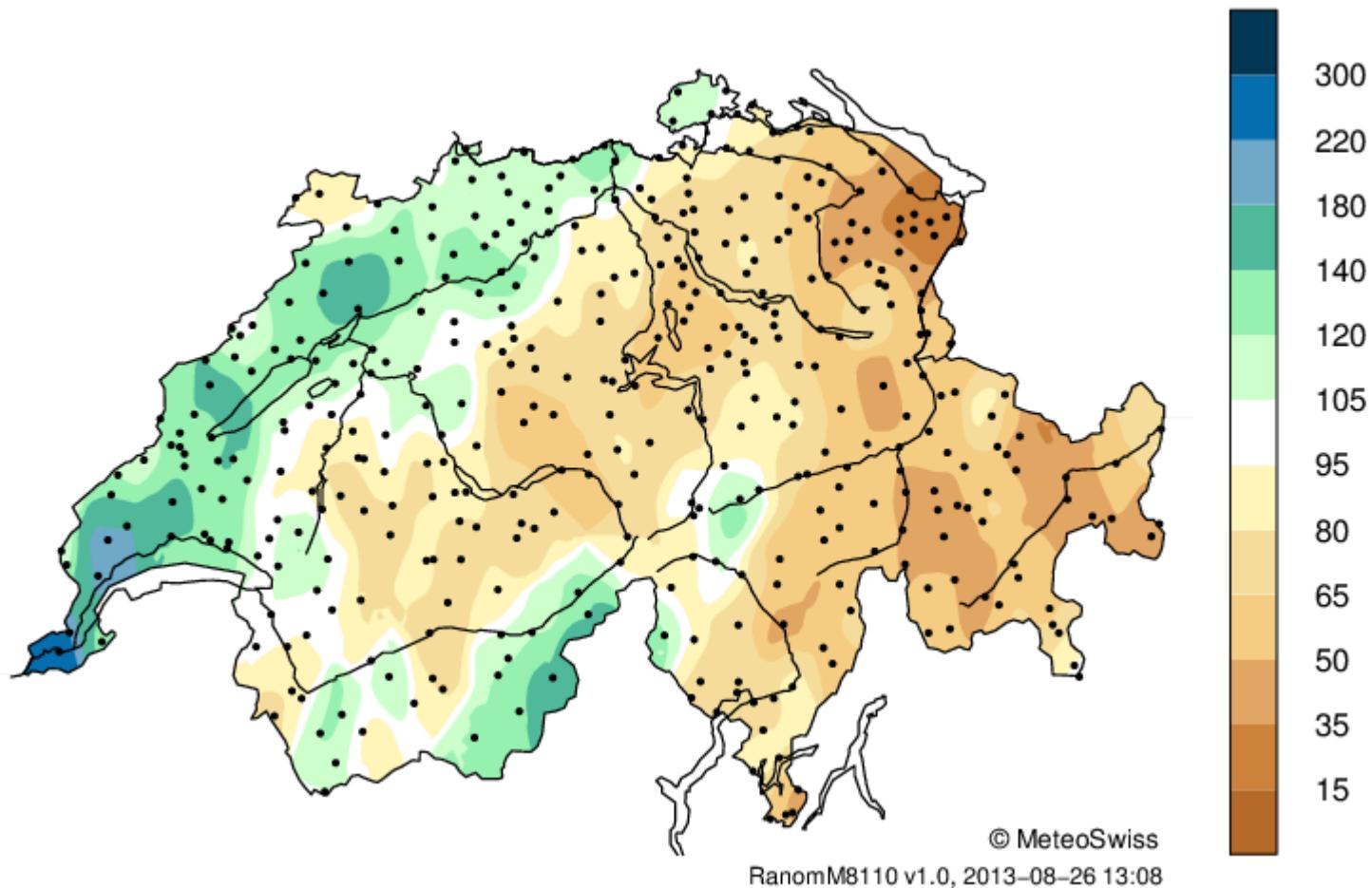
Monthly Precipitation Anomaly (%) Jun 2013 (Ref. 1981–2010)





Precipitazioni: luglio 2013

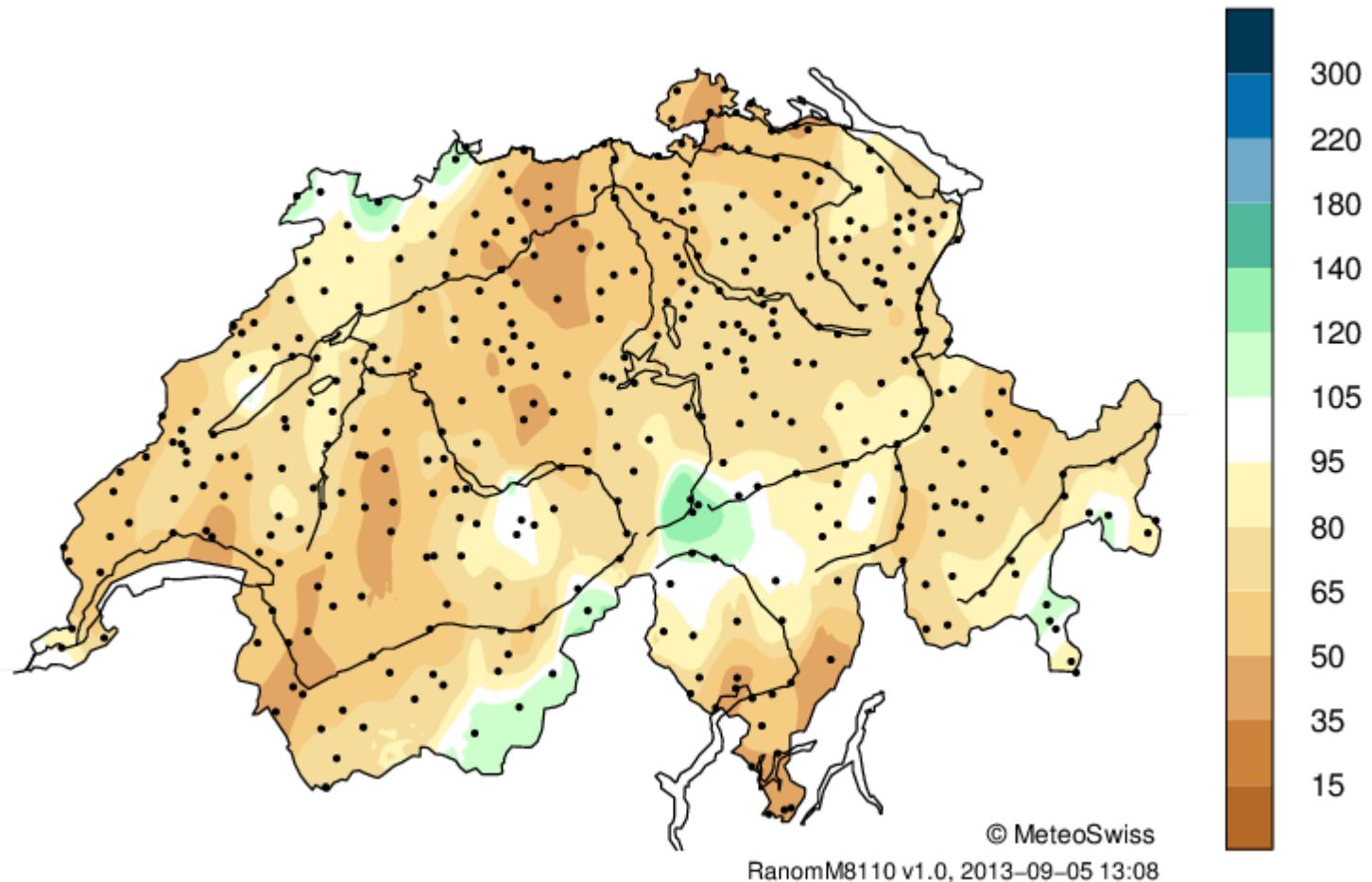
Monthly Precipitation Anomaly (%) Jul 2013 (Ref. 1981–2010)





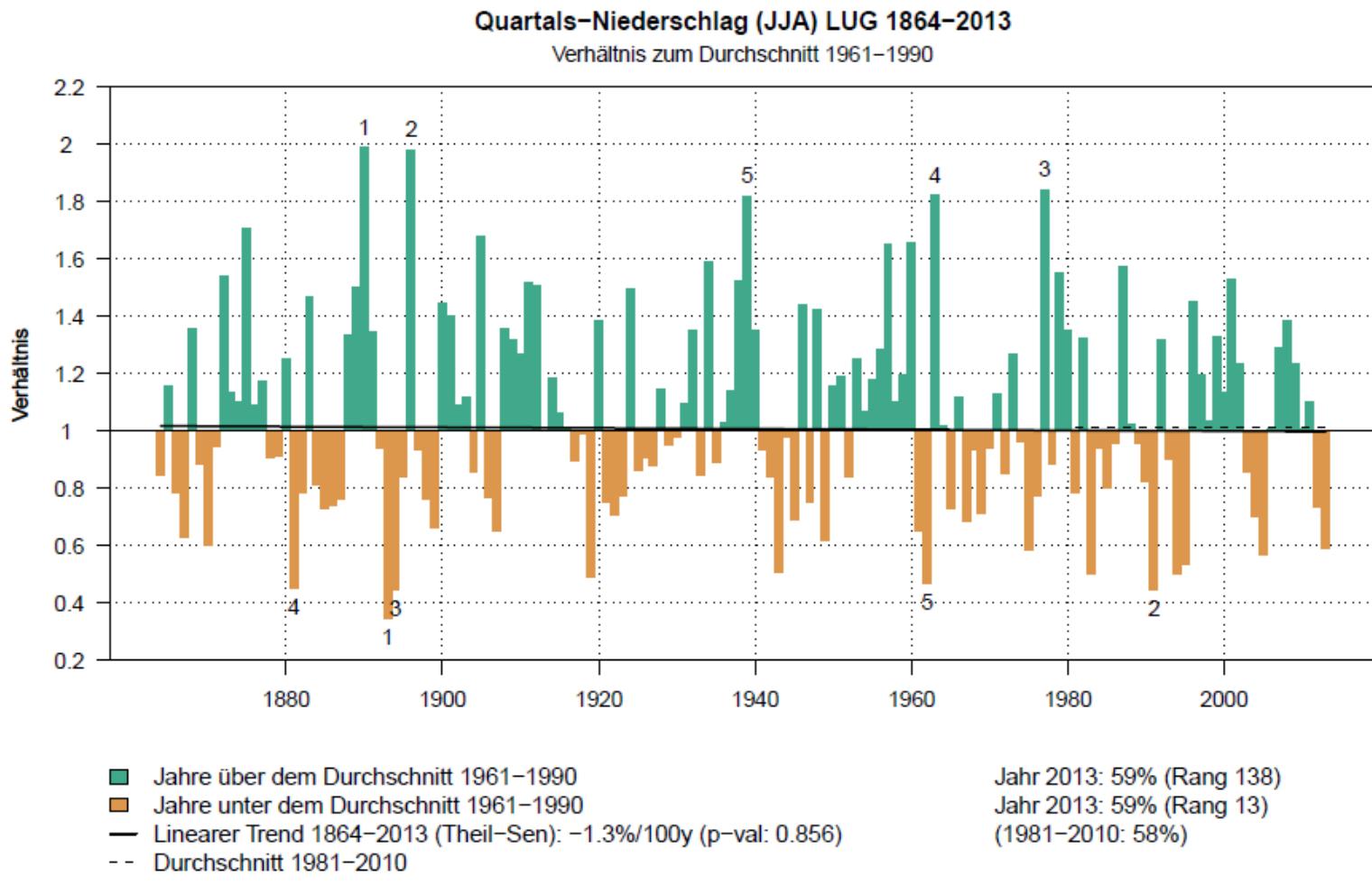
Precipitazioni agosto 2013

Monthly Precipitation Anomaly (%) Aug 2013 (Ref. 1981–2010)





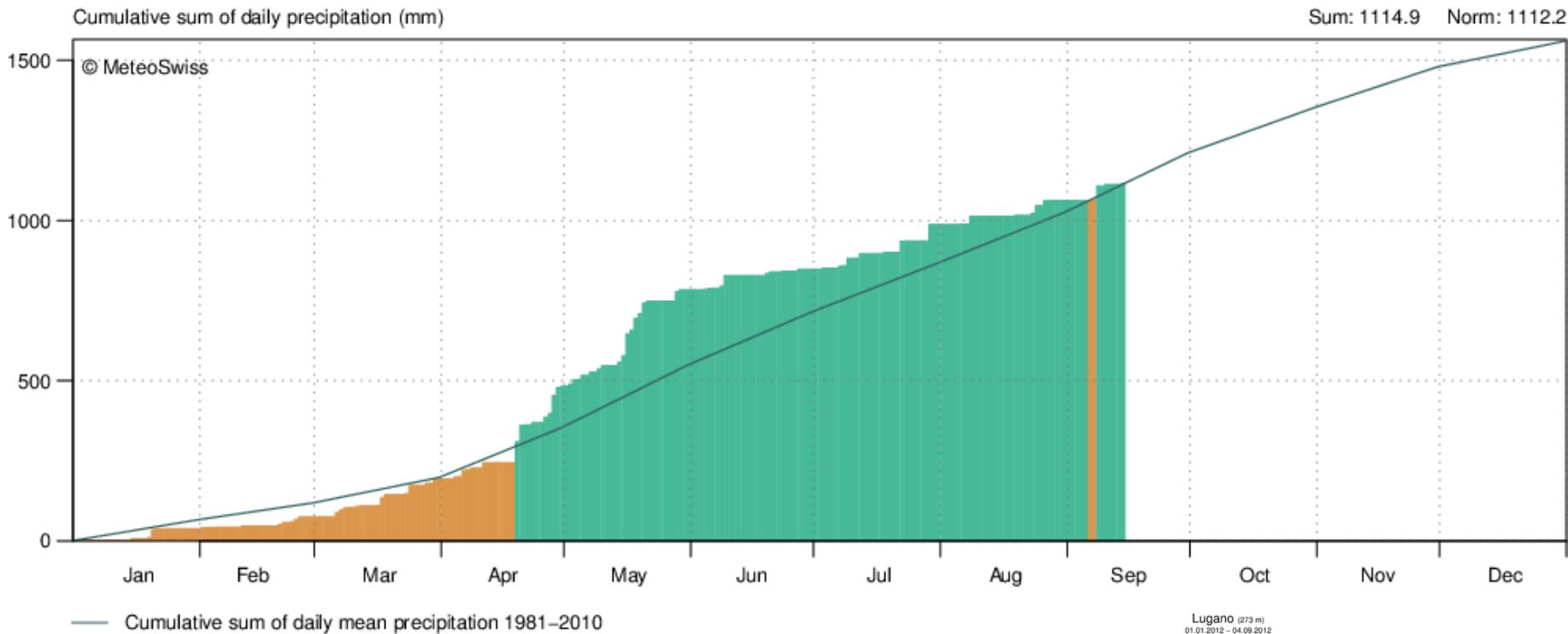
L'estate 2013 rispetto alle altre



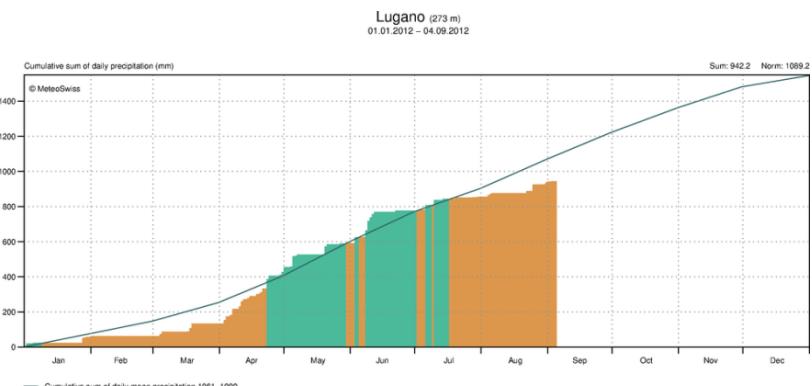


Somma precipitazioni 2013

Lugano (273 m)
01.01.2013 – 14.09.2013



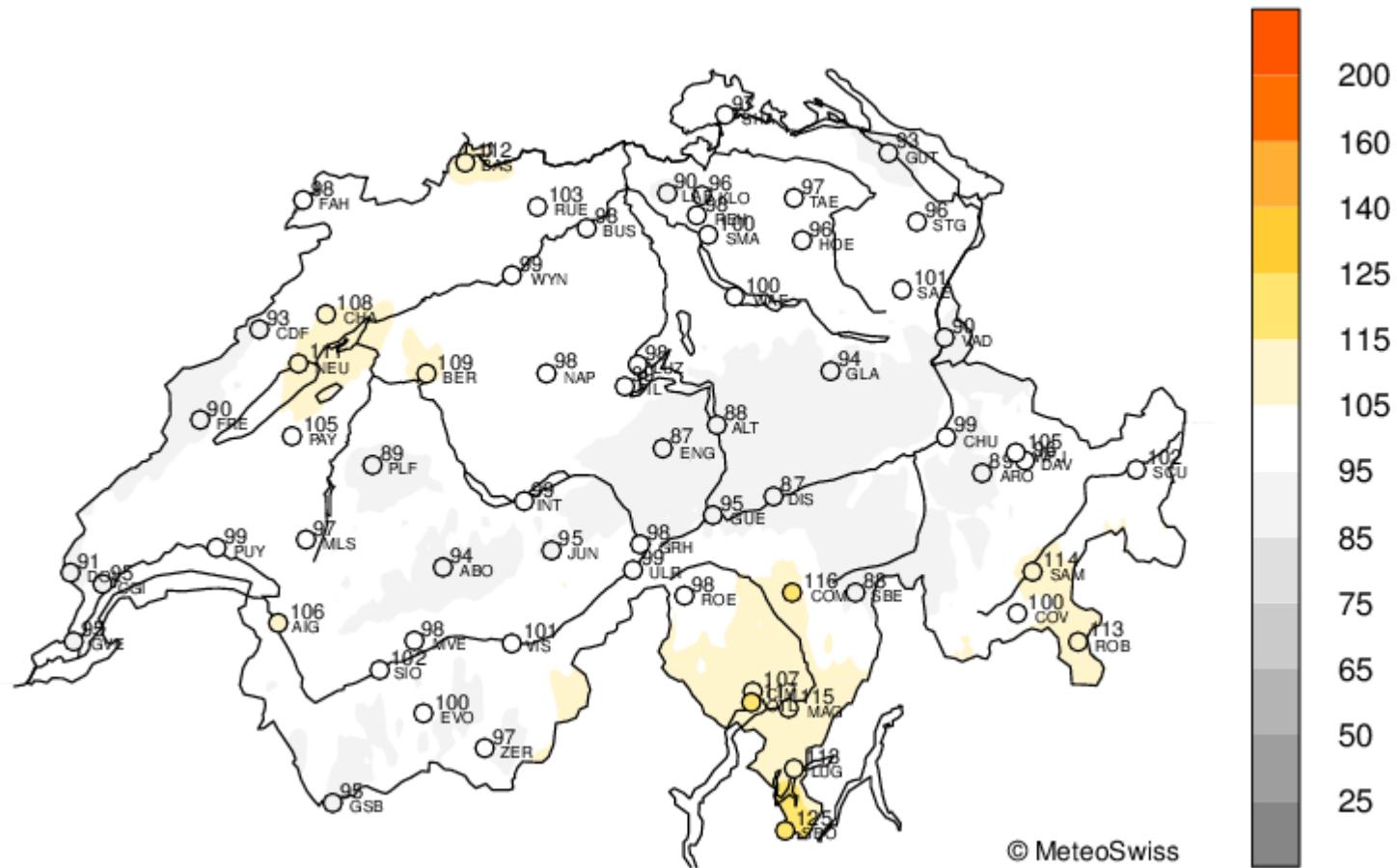
Status: 15.09.2013





Soleggiamento: anomalia giugno 2013

Monthly Sunshine Duration Anomaly (%) Jun 2013 (Ref. 1981–2010)



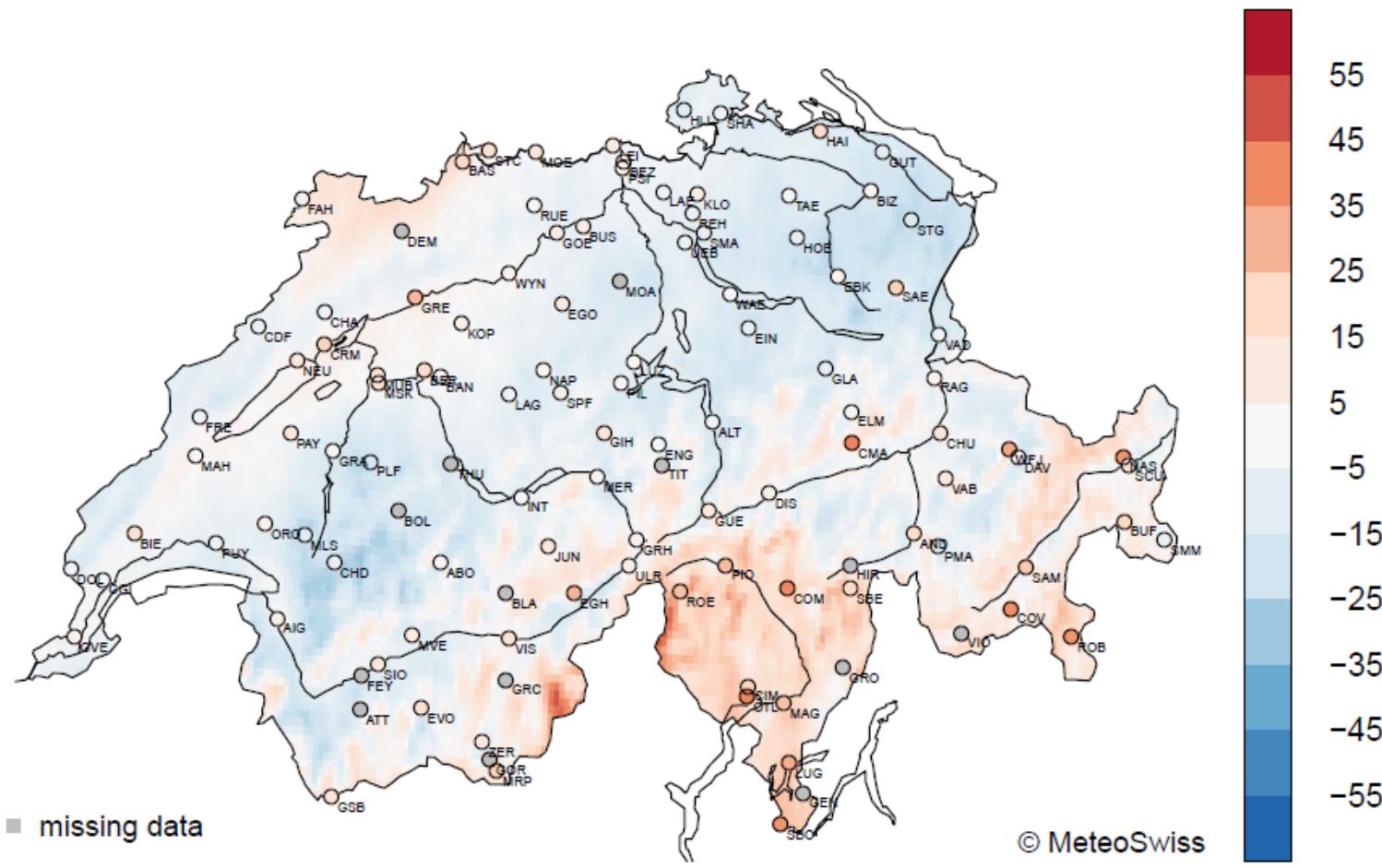
© MeteoSwiss

SanomM8110 v1.2, 2013-07-26 18:11



Soleggiamento: anomalia giugno 2013

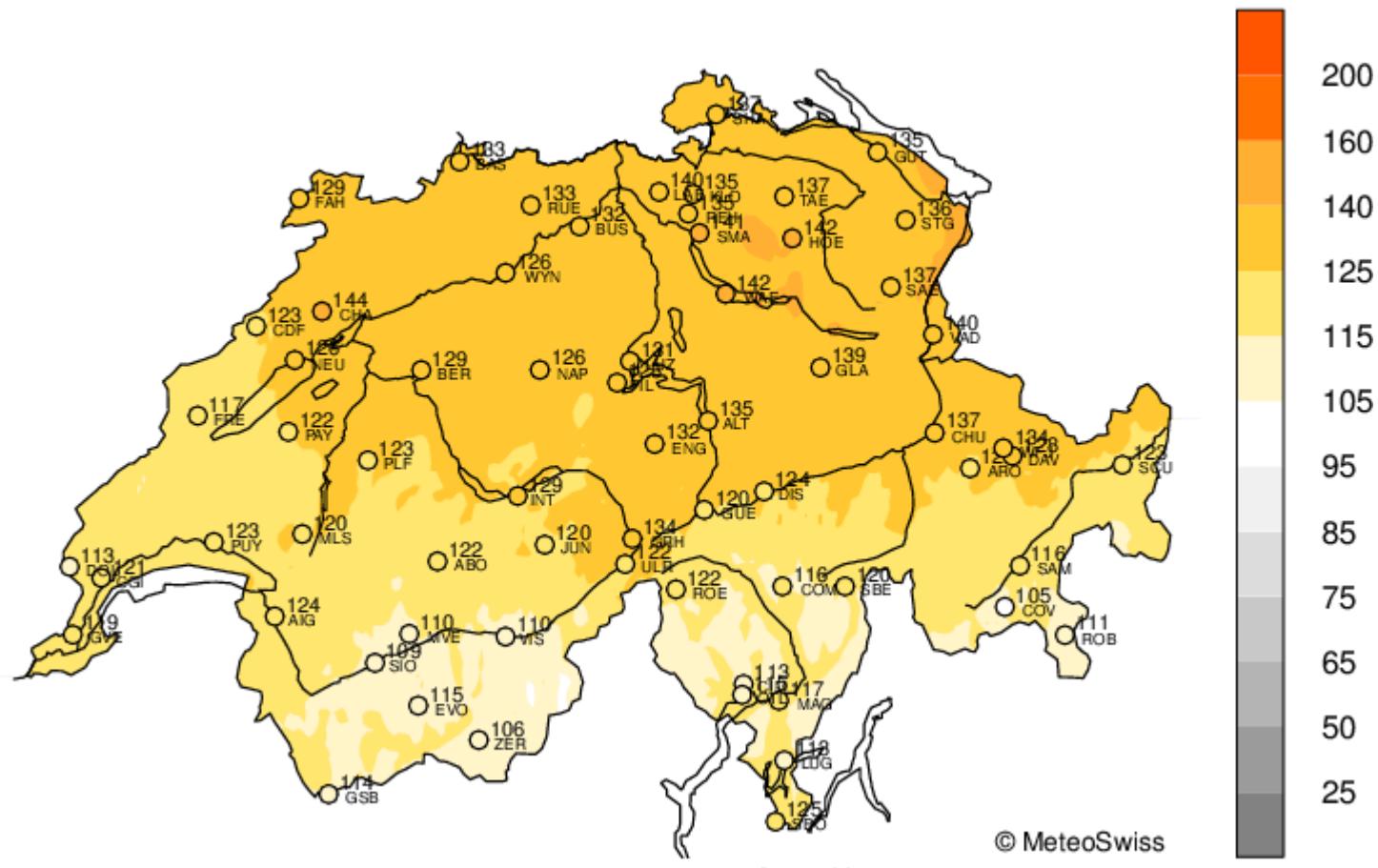
Global Radiation Anomaly (W/m²) 2013-06 (Ref.2004 - 2012)





Soleggiamento: anomalia luglio 2013

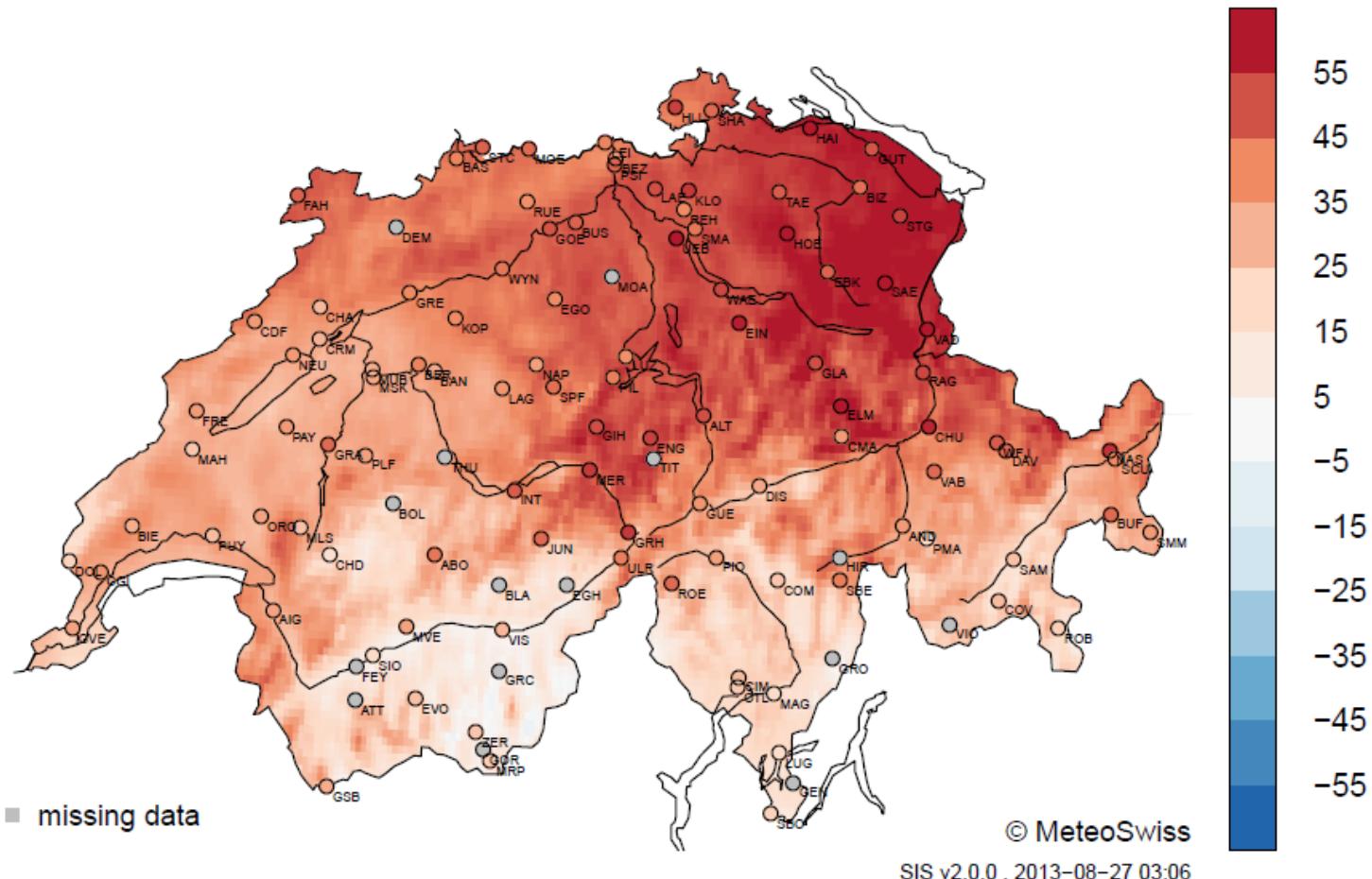
Monthly Sunshine Duration Anomaly (%) Jul 2013 (Ref. 1981–2010)





Soleggiamento: anomalia luglio 2013

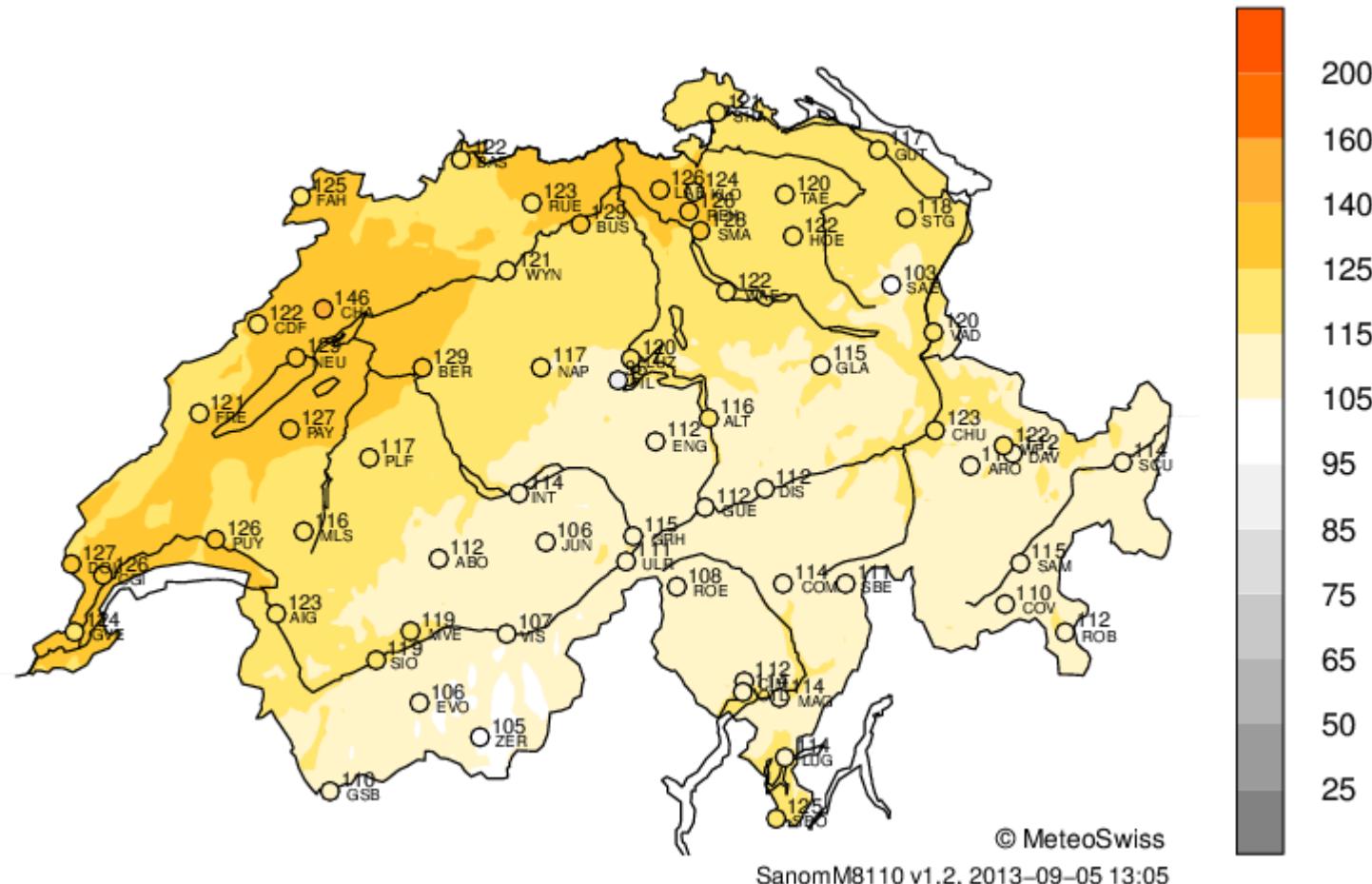
Global Radiation Anomaly (W/m²) 2013-07 (Ref.2004 - 2012)





Soleggiamento: anomalia agosto 2013

Monthly Sunshine Duration Anomaly (%) Aug 2013 (Ref. 1981–2010)



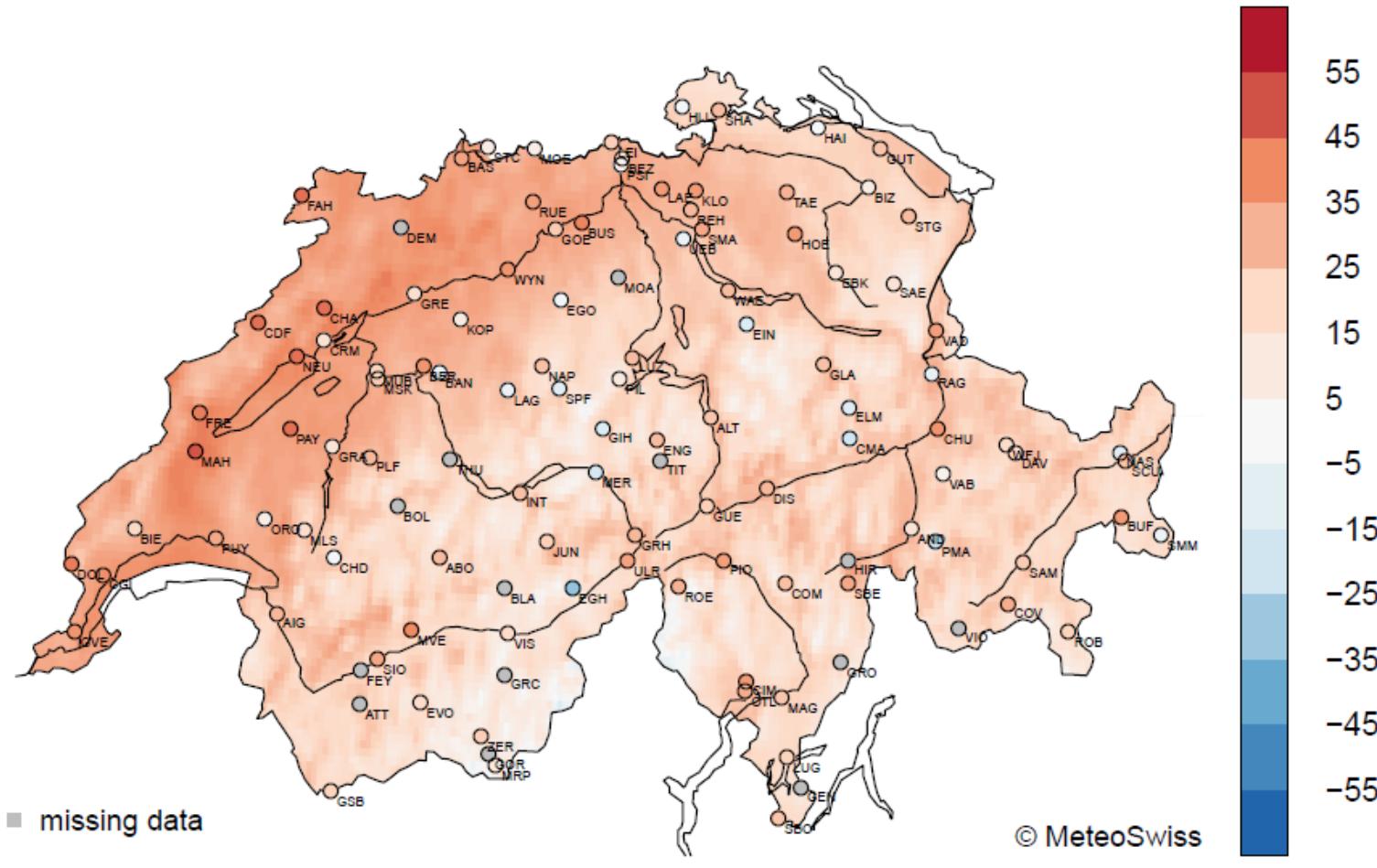
© MeteoSwiss

SanomM8110 v1.2, 2013-09-05 13:05



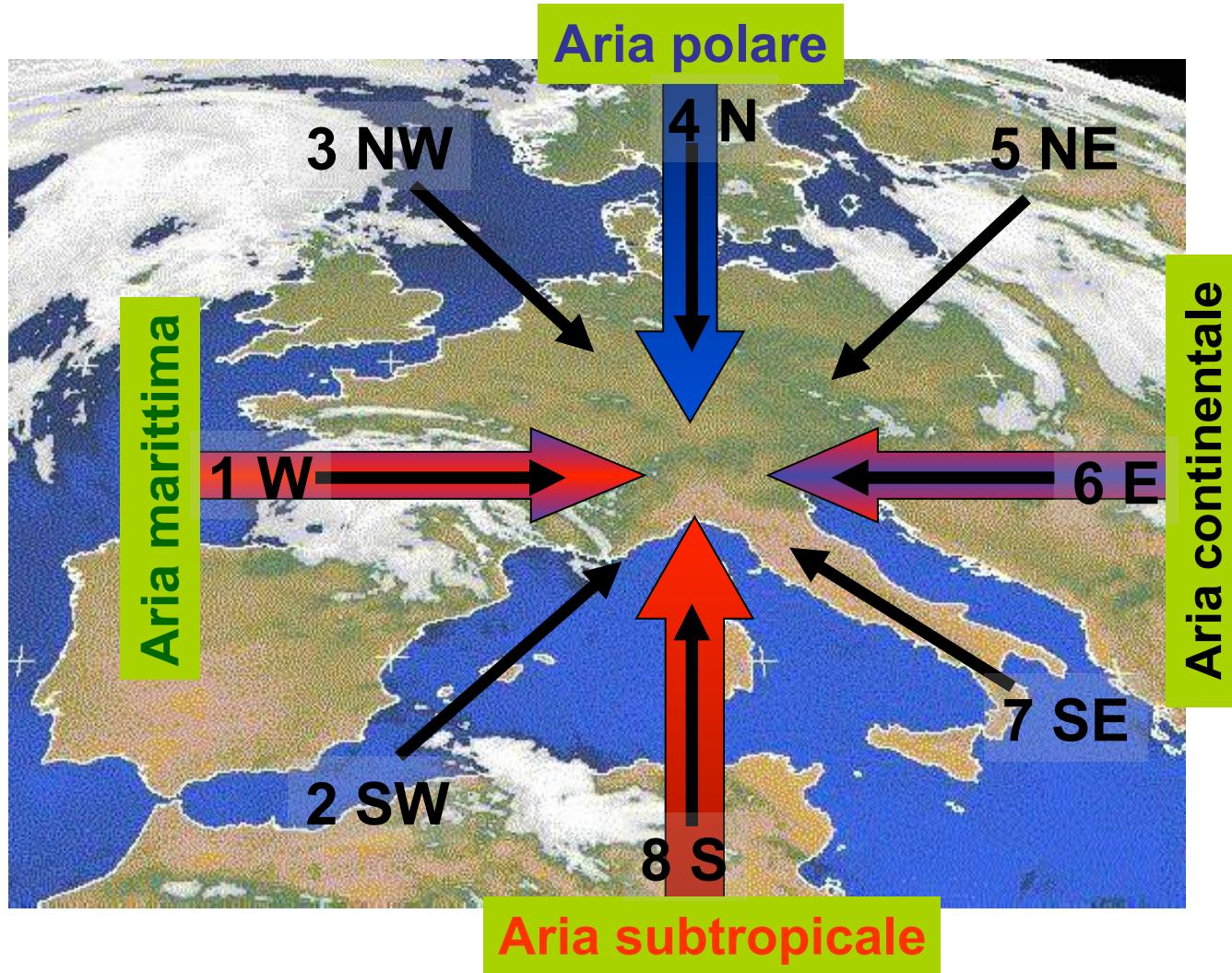
Soleggiamento: anomalia agosto 2013

Global Radiation Anomaly (W/m²) 2013-08 (Ref.2004 – 2012)



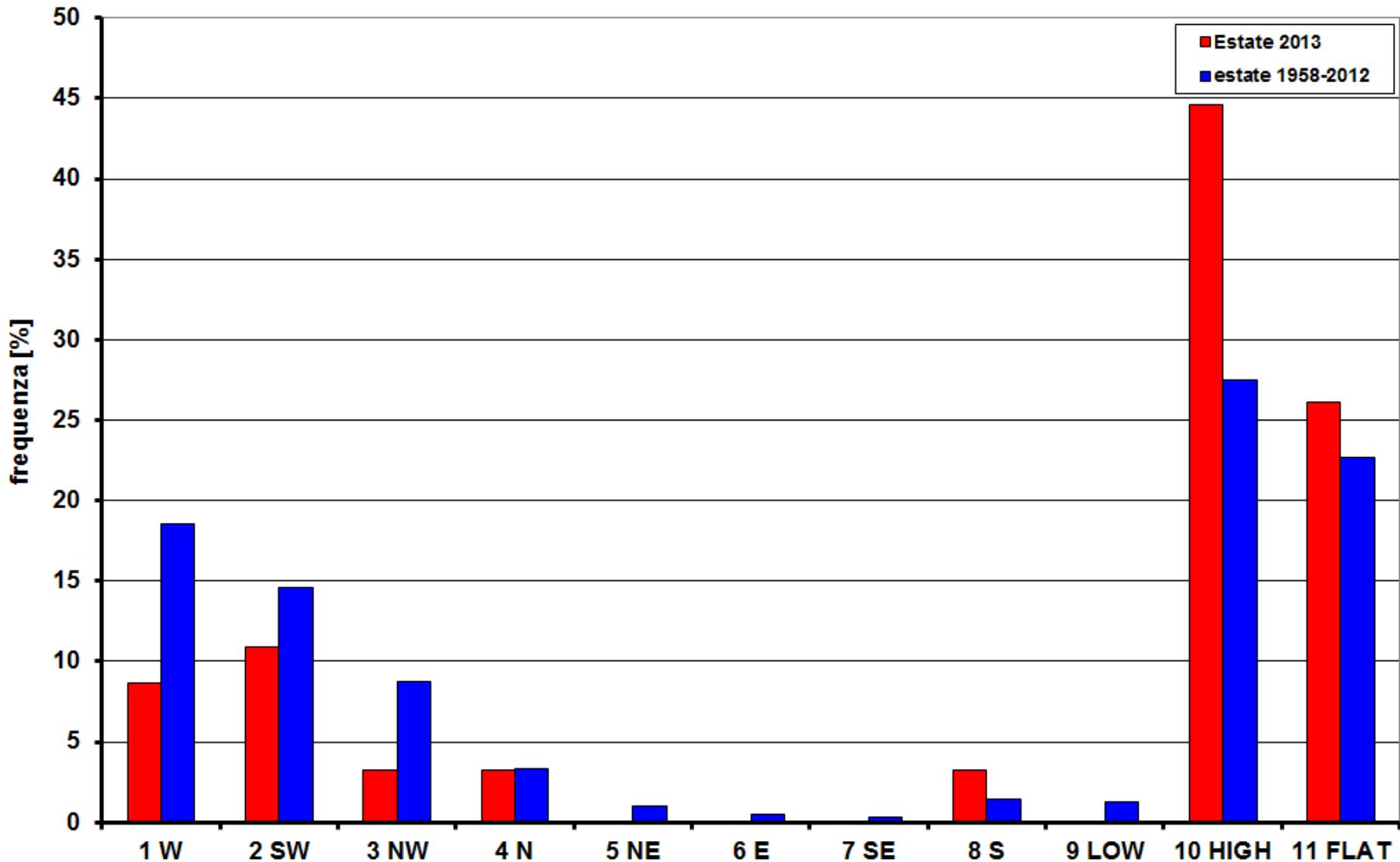


Masse d'aria diverse, tempo diverso, situazioni diverse



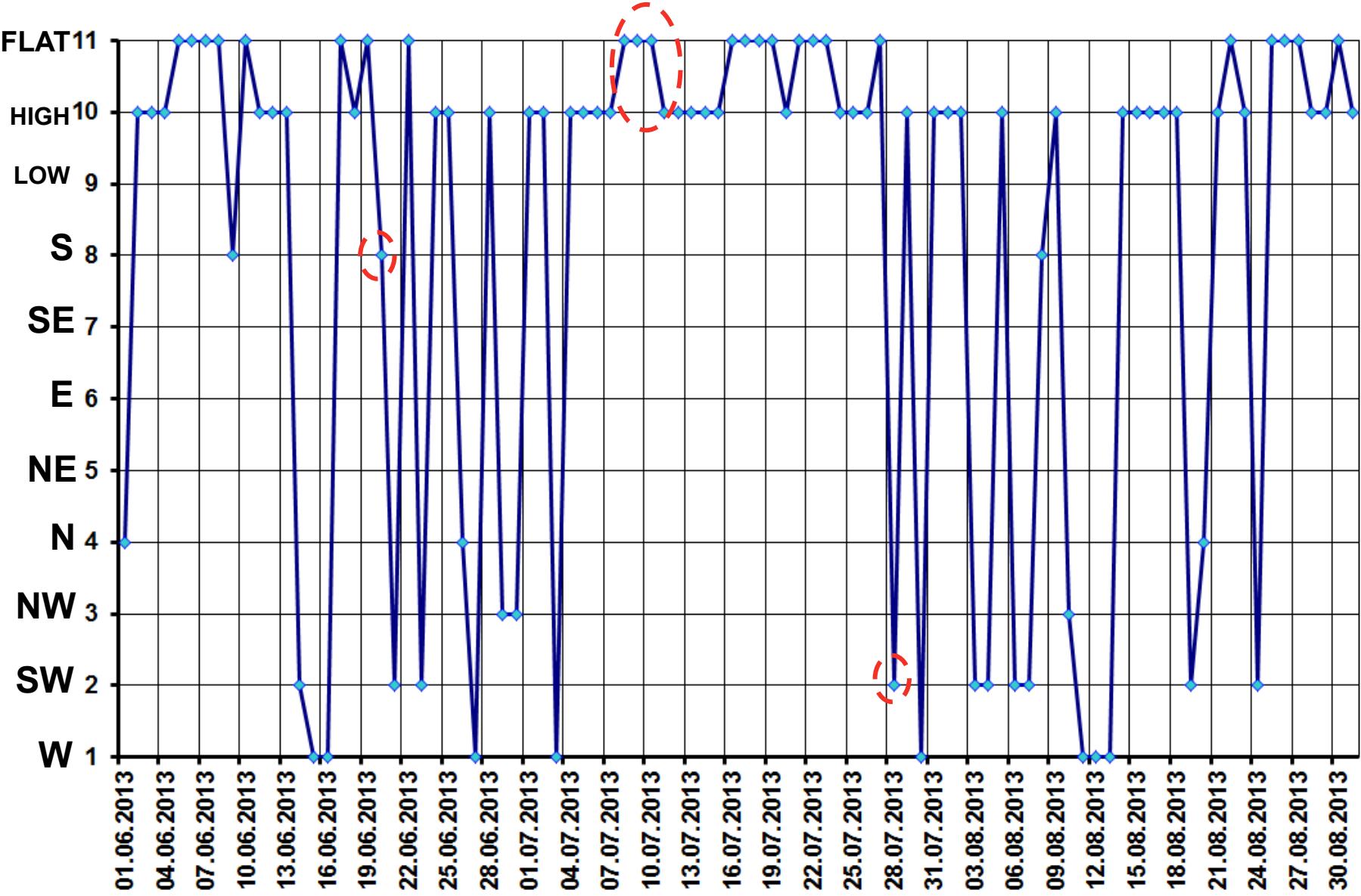


La distribuzione delle situazioni





Sequenza delle situazioni





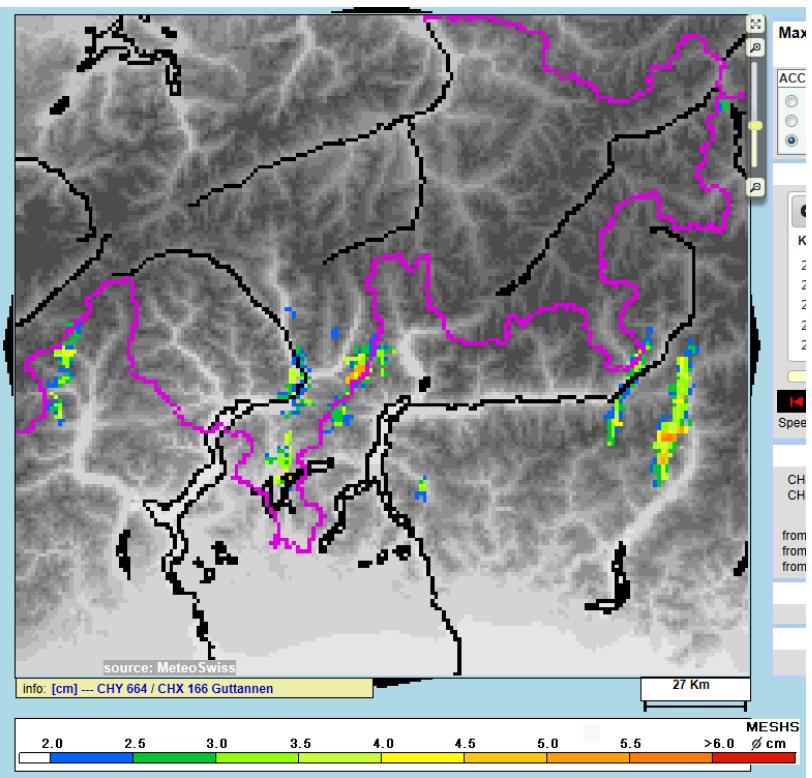
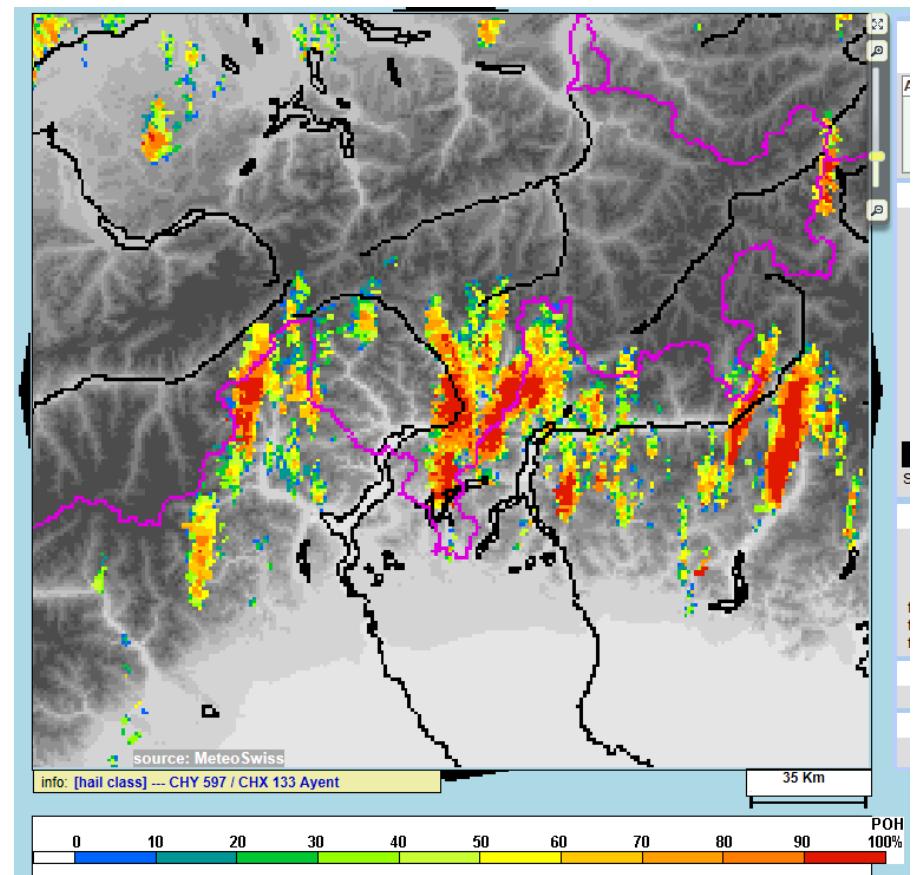
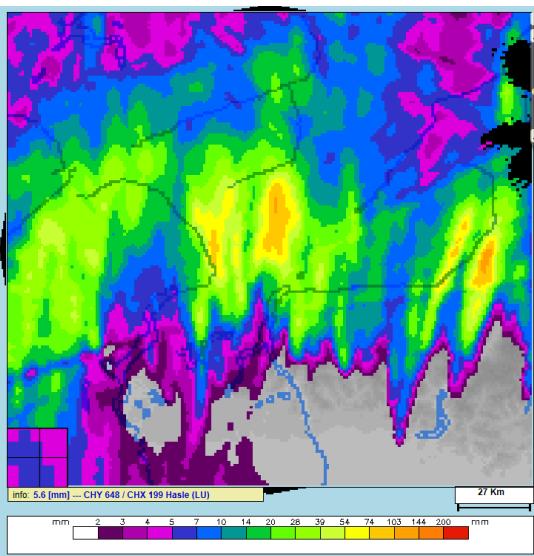
20.6: grandinata a Ludiano



Martino



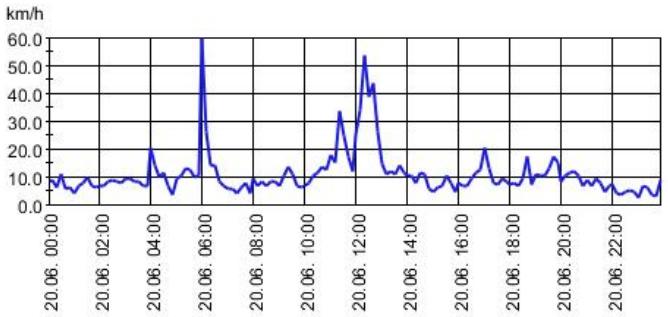
20.6: grandinata a Ludiano





20.6: grandinata a Ludiano

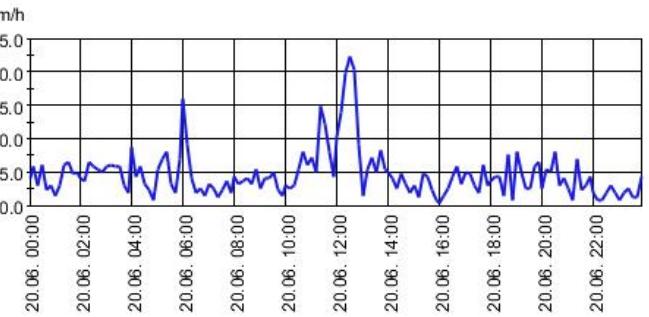
Böen spitze (Sekundenböe); Maximum [km/h] 20.06.2013 00:00 UTC - 20.06.2013 23:50 UTC



Quelle:
MeteoSchweiz

— Acquarossa / Comprovasco

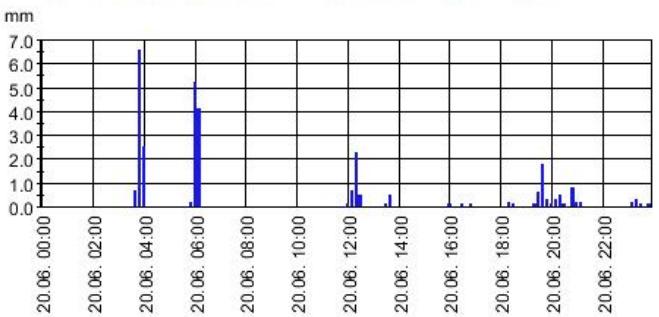
Windgeschwindigkeit; Zehnminutenmittel [km/h] 20.06.2013 00:00 UTC - 20.06.2013 23:50 UTC



Quelle:
MeteoSchweiz

— Acquarossa / Comprovasco

Niederschlag; Zehnminutensumme [mm] 20.06.2013 00:00 UTC - 20.06.2013 23:50 UTC



Quelle:
MeteoSchweiz

■ Acquarossa / Comprovasco

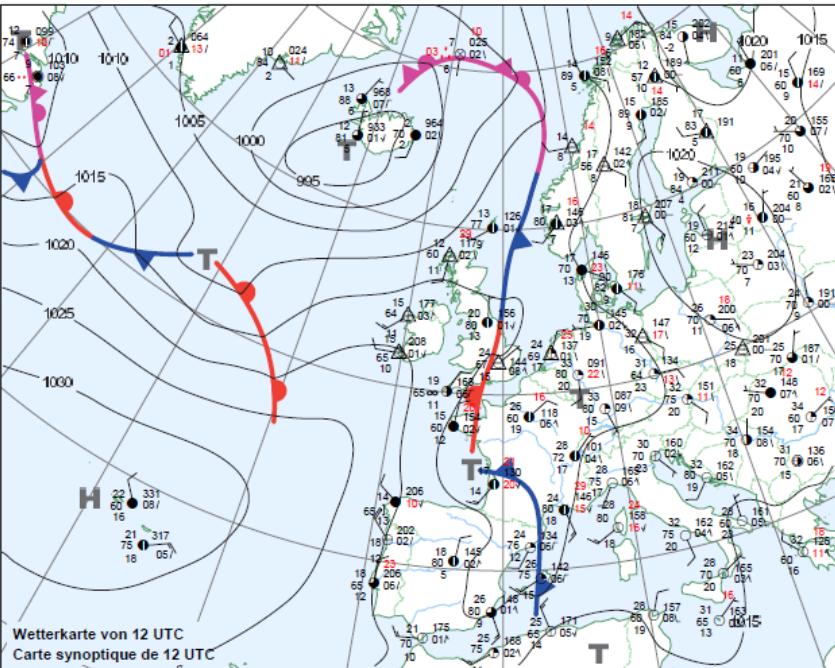
Wetterübersicht vom Mittwoch

Résumé météorologique du Mercredi

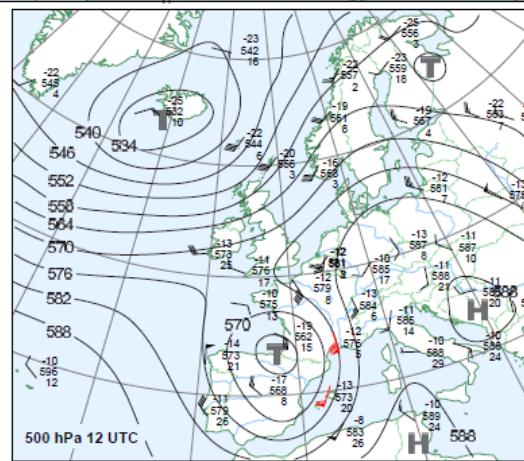
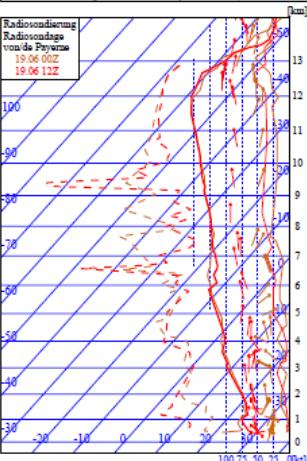
19.06.2013

Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun Svizra

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

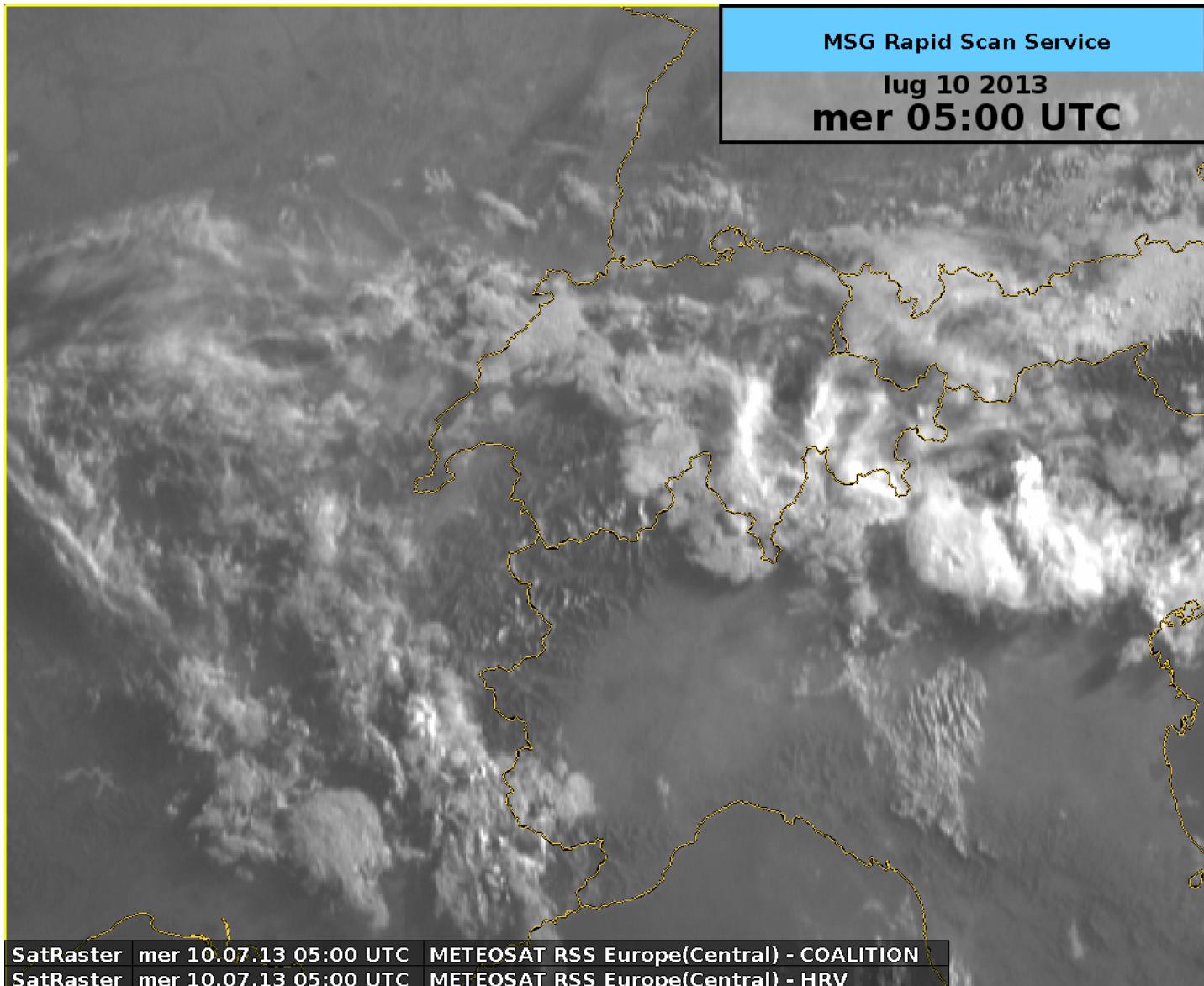


Wetterkarte von 12 UTC
Carte synoptique de 12 UTC





7-10 luglio: pressione livellata, satellite





8-11 luglio: pressione livellata, CAPE

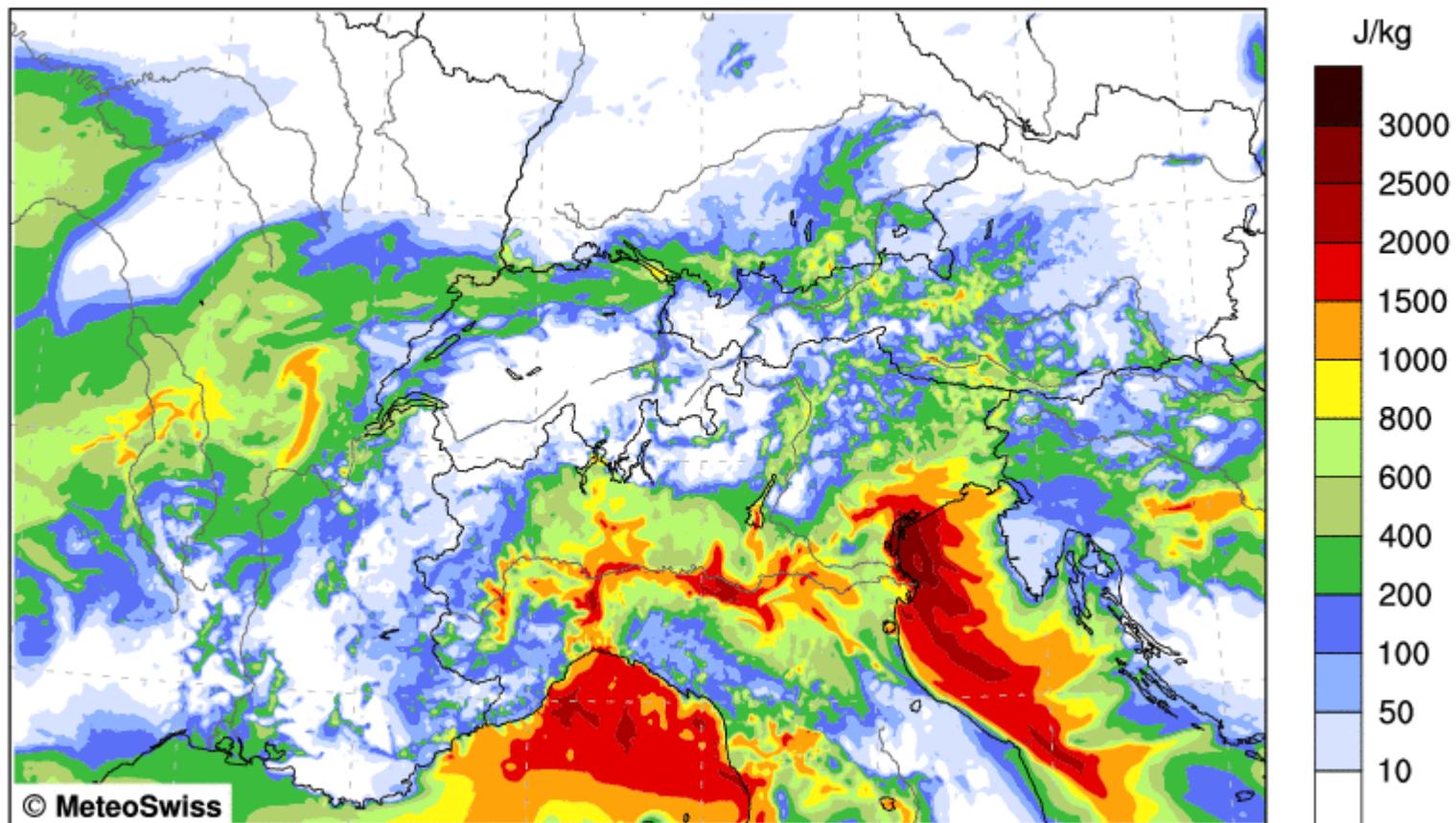
COSMO-2 ANALYSIS

Version: 935

Most Unstable Parcel Conv. Avail. Potential Energy

Wed 10 Jul 2013 00UTC

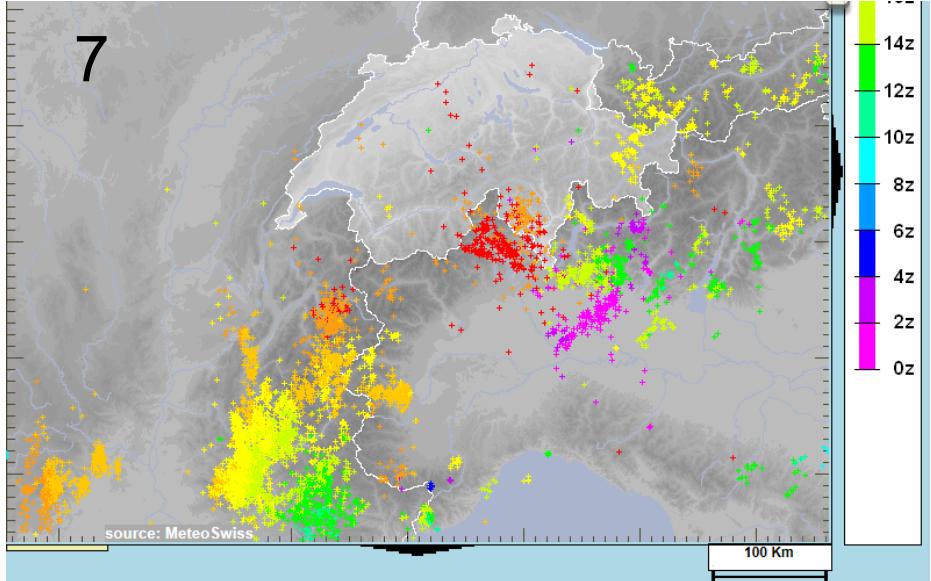
10.07.2013 00UTC +00h



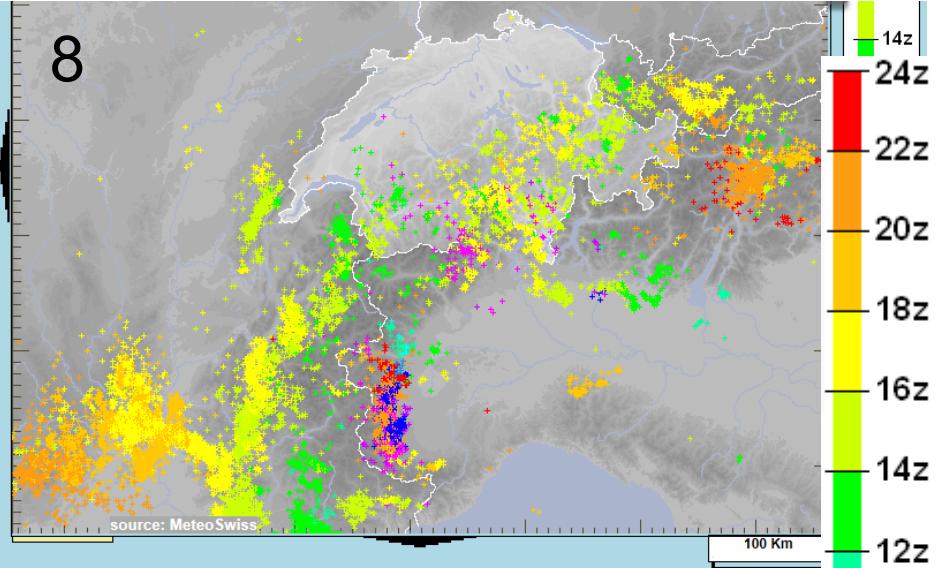


7-10 luglio: pressione livellata, fulmini

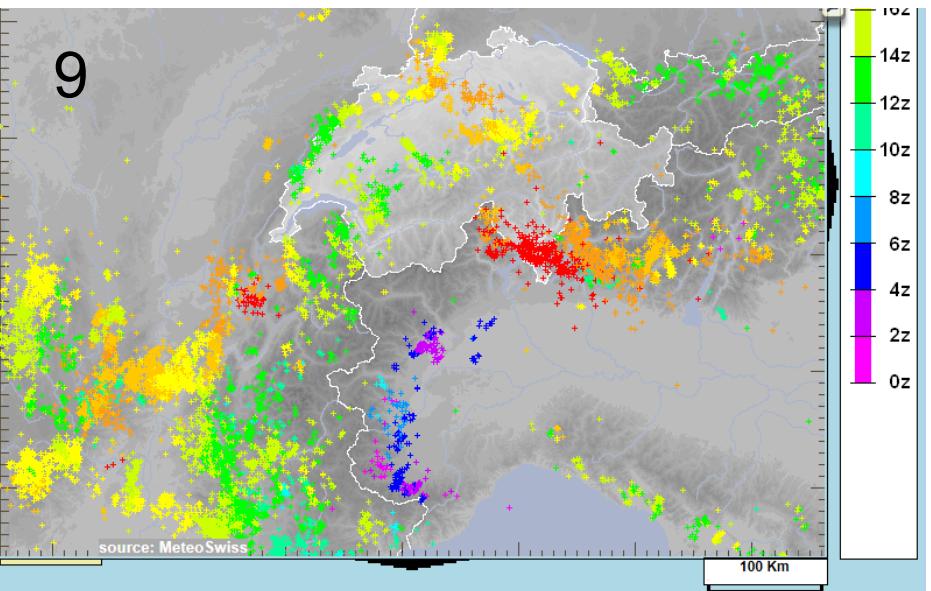
7



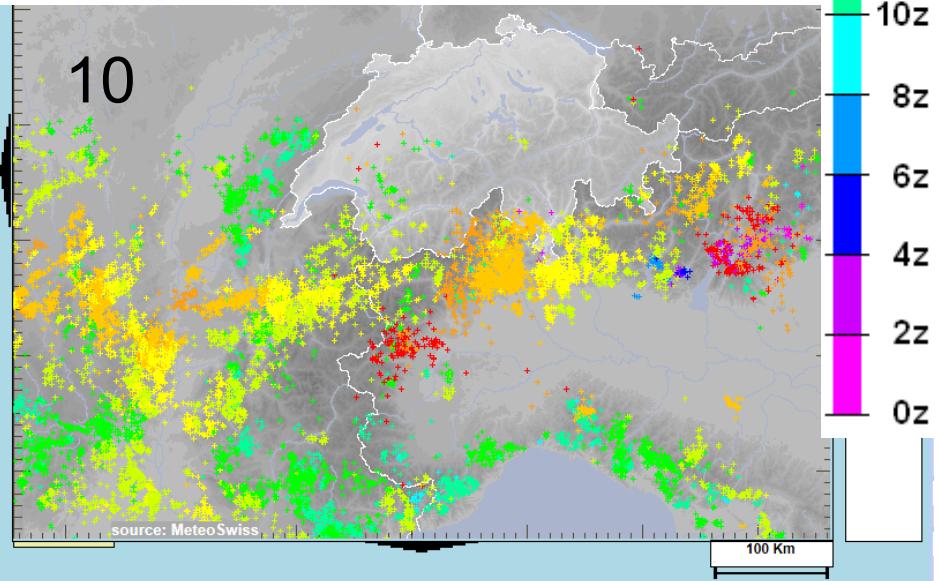
8



9



10

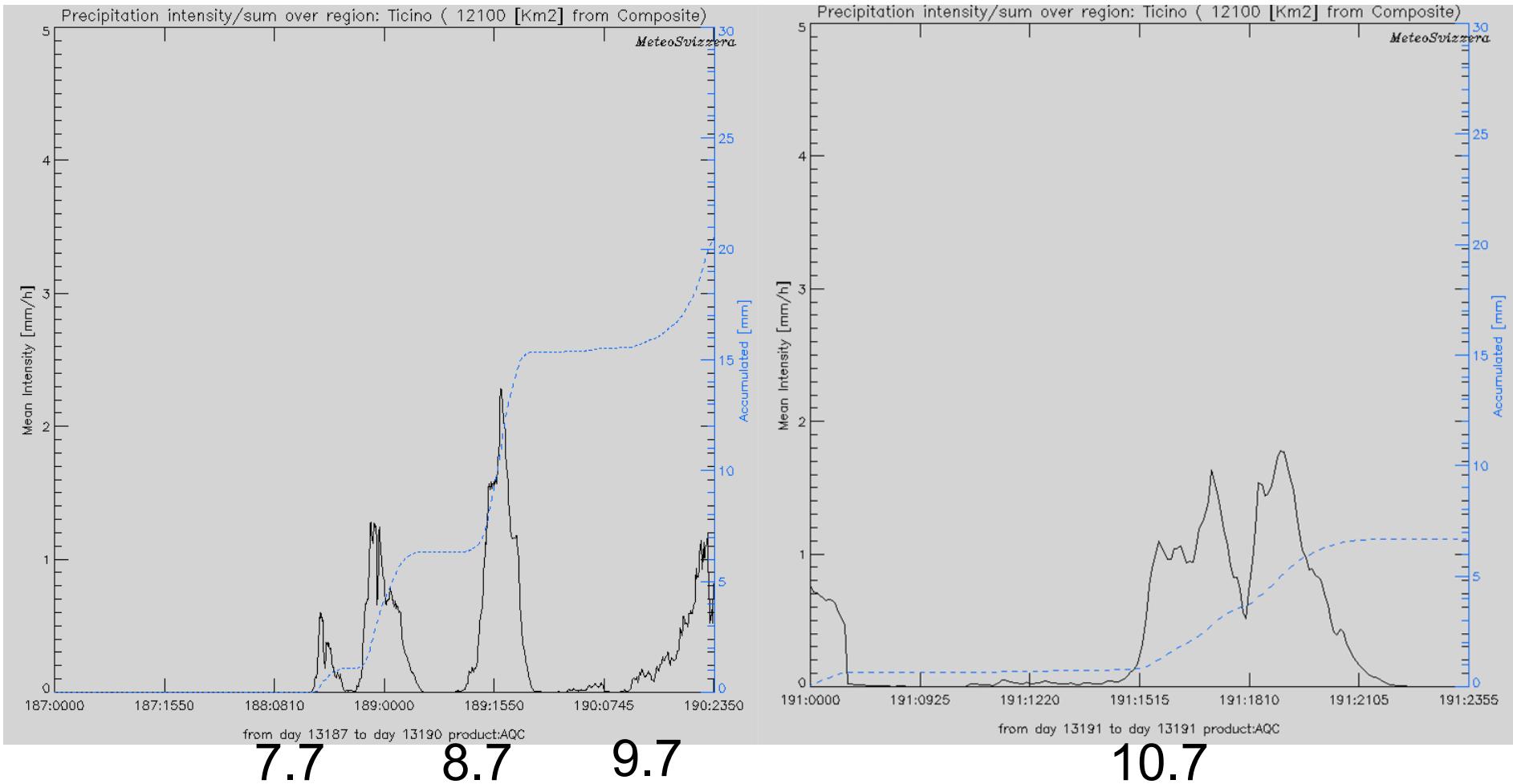


source: MeteoSwiss

source: MeteoSwiss



7-10 luglio: pressione livellata, precipitazioni





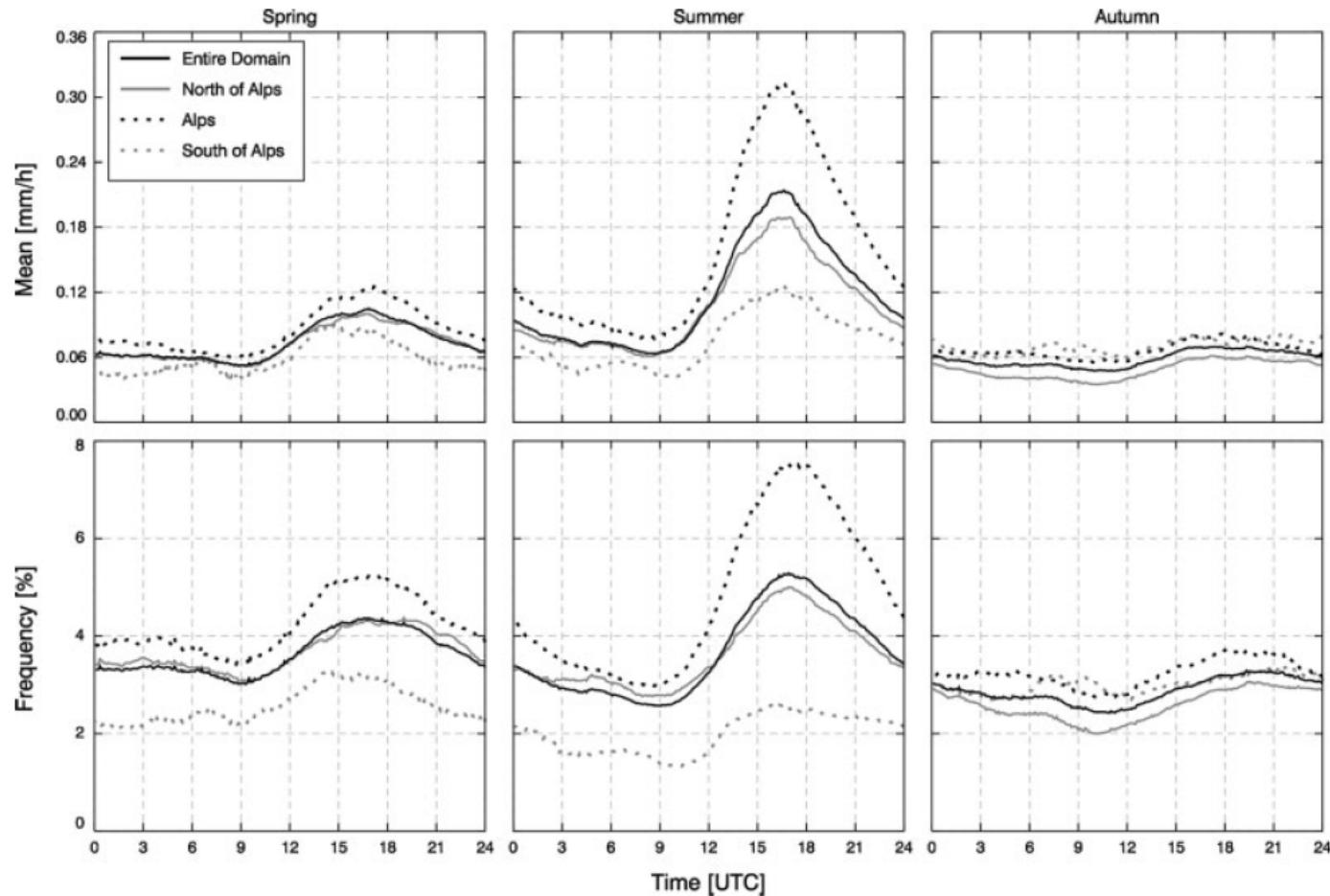
Ciclo convettivo ingredienti

Ciclo diurno della radiazione solare

- **Latente instabilità della massa d'aria** (misurabile in termini di energia potenziale convettiva "Convective Available Potential Energy" CAPE, ovvero quanto più è caldo dell'ambiente circostante un ipotetico pacchetto d'aria che viene fatto salire dalla superficie fino a ca. 10'000 m di altitudine)
- **Umidità** (misurabile in termini di integrale verticale dell'umidità "Vertical integrated liquid" VIL)
- **Un processo di innesco o di sollevamento** che permetta il rilascio dell'instabilità e di superare l'eventuale presenza di qualche inversione termica (forte riscaldamento al suolo, convergenze dei venti al suolo, effetto di sollevamento dell'orografia, vento in uscita da un'altra cellula temporalesca, un'instabilità in quota sottoforma di perturbazione/ saccatura termica o di posizione della corrente a getto)
- **Un taglio di vento**, ovvero la variazione del vento con l'altitudine ("wind shear"). Quest'ultimo contribuisce a dare una struttura al sistema temporalesco permettendogli di trasformarsi in supercella ed eventualmente nei casi più intensi di dare origine ad una tromba d'aria.



Ciclo diurno medio delle precipitazioni





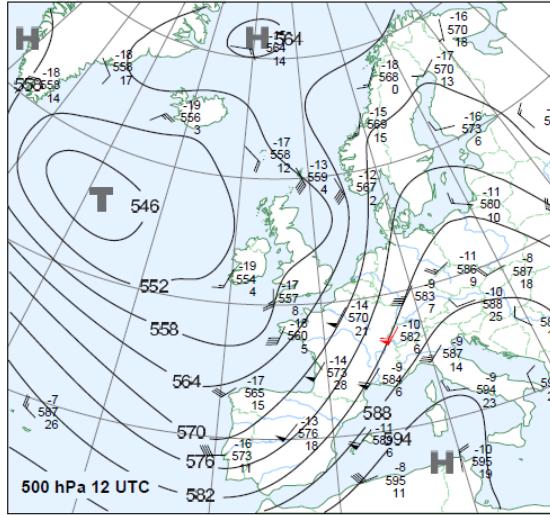
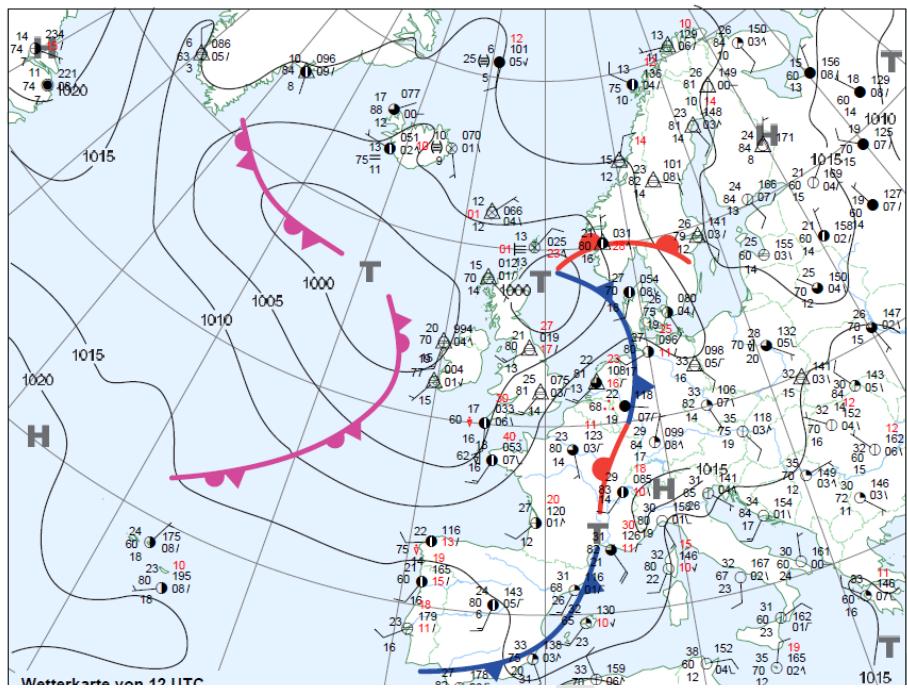
29.7 brusca fine della canicola

Wetterübersicht vom Sonntag

28.7.2013

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

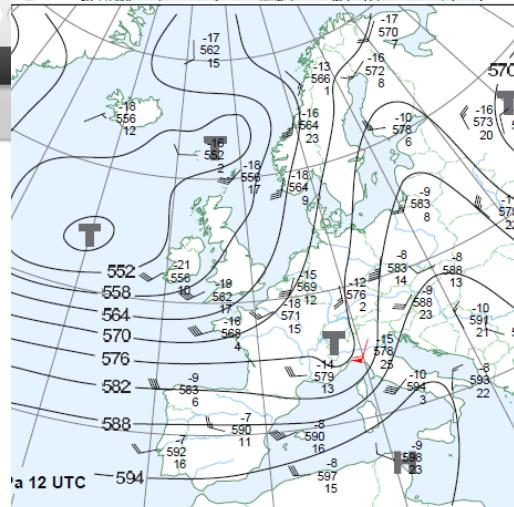
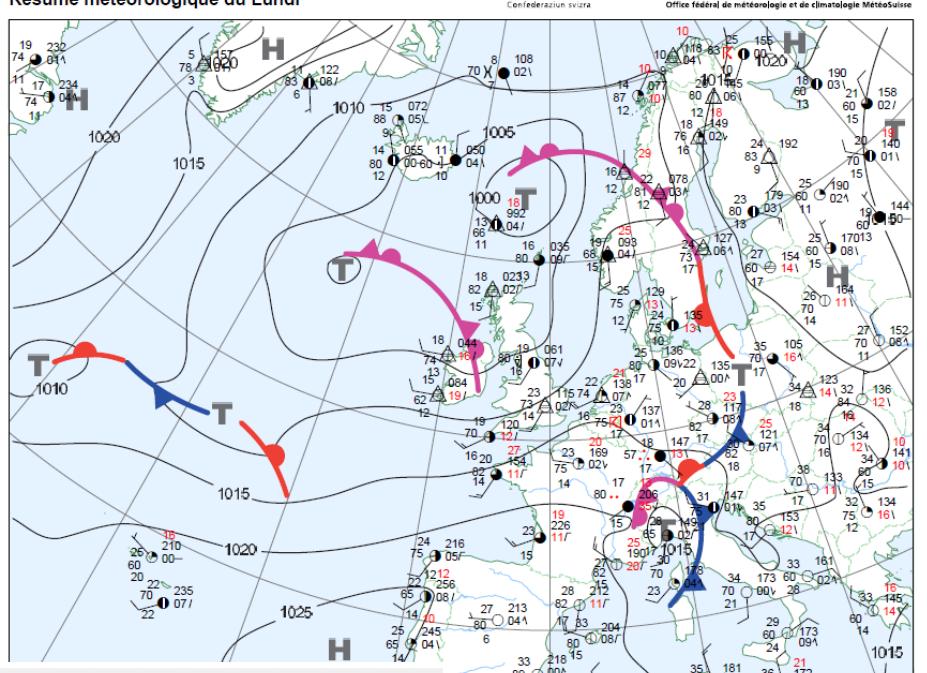


Wetterübersicht vom Montag

29.7.2013

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



tio
il portale
del Ticino

search Chi/Cosa
L'elenco telefonico elettronico

Ticino Svizzera Esterno Finanza Sport Agenda People Buzz

Epaper Trova Box Pubblicità

CANTONE

29/07/2013 - 16:59

Maltempo, 650 chiamate alla Polizia. Il video del Ticino sott'acqua

Allagata la strada cantonale a Figino, frana a Muzzano



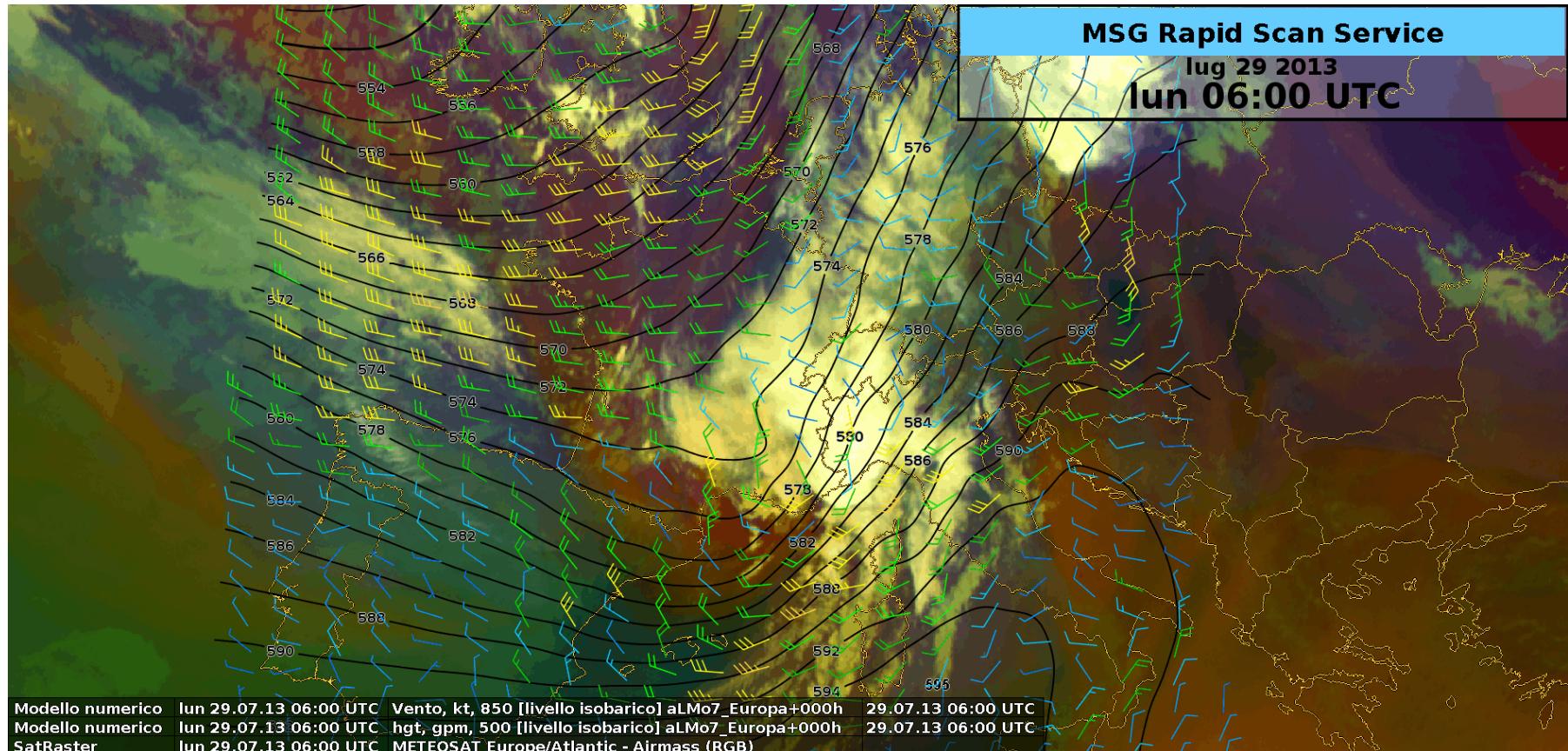


29.7 brusca fine della canicola





29.7: Z@500hPa



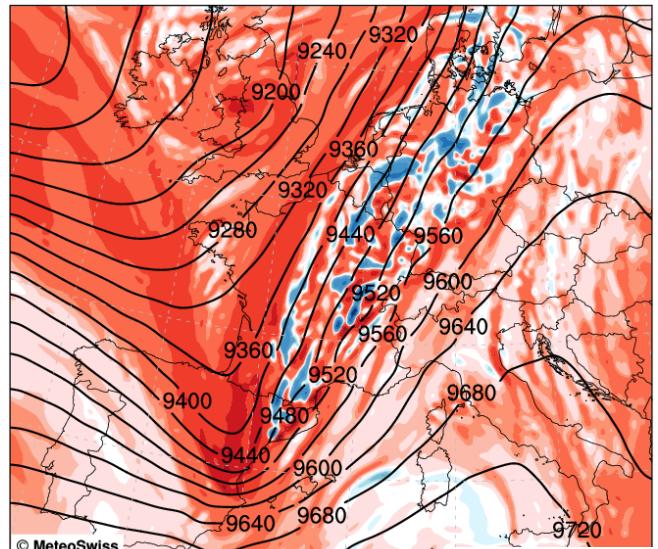


29.7: Z@300hPa e vorticità @300hPa

COSMO-7 FORECAST
300hPa Absolute Vorticity and Geopotential

Version: 935

Mon 29 Jul 2013 00UTC
28.07.2013 00UTC +24h

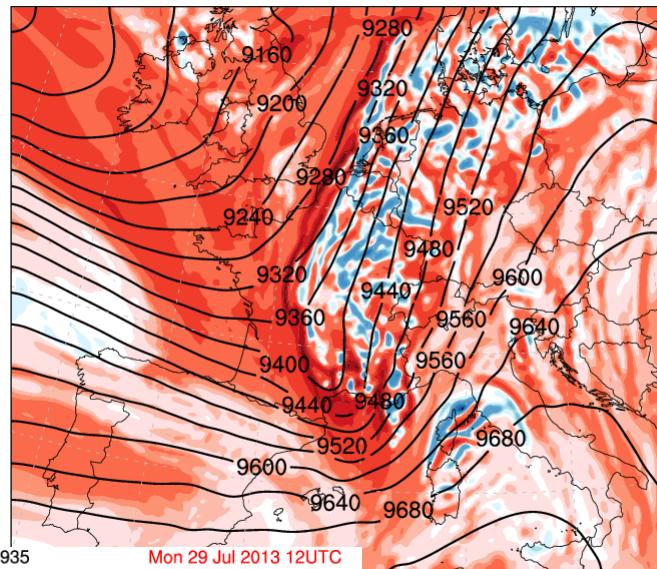


Geopotential [gpm], level = 300 hPa
absolute vorticity on pressure surfaces [10^{-5} s^{-1}], level = 300 hPa

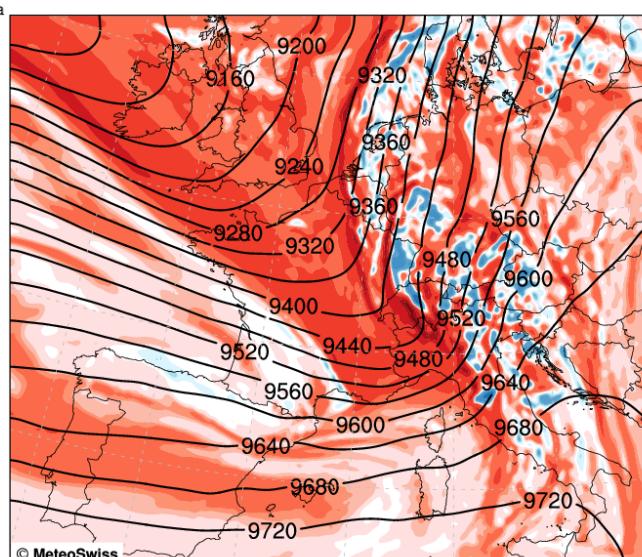
COSMO-7 FORECAST
300hPa Absolute Vorticity and Geopotential

Version: 935

Mon 29 Jul 2013 06UTC
28.07.2013 00UTC +30h



Mean: 9553.7 gpm
Mean: $9.5 \cdot 10^{-5} \text{ s}^{-1}$

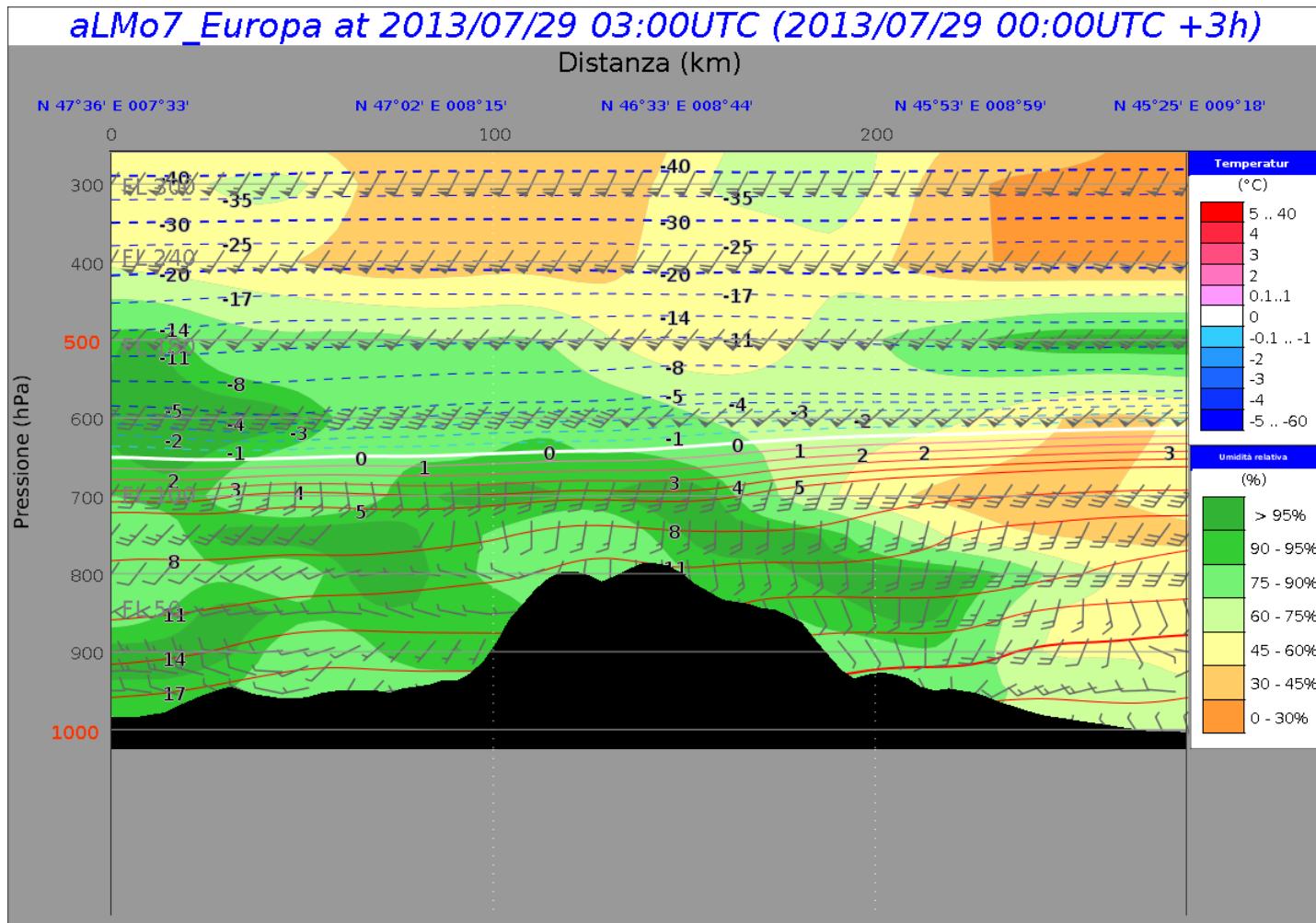


Geopotential [gpm], level = 300 hPa

Mean: 9555.6 gpm

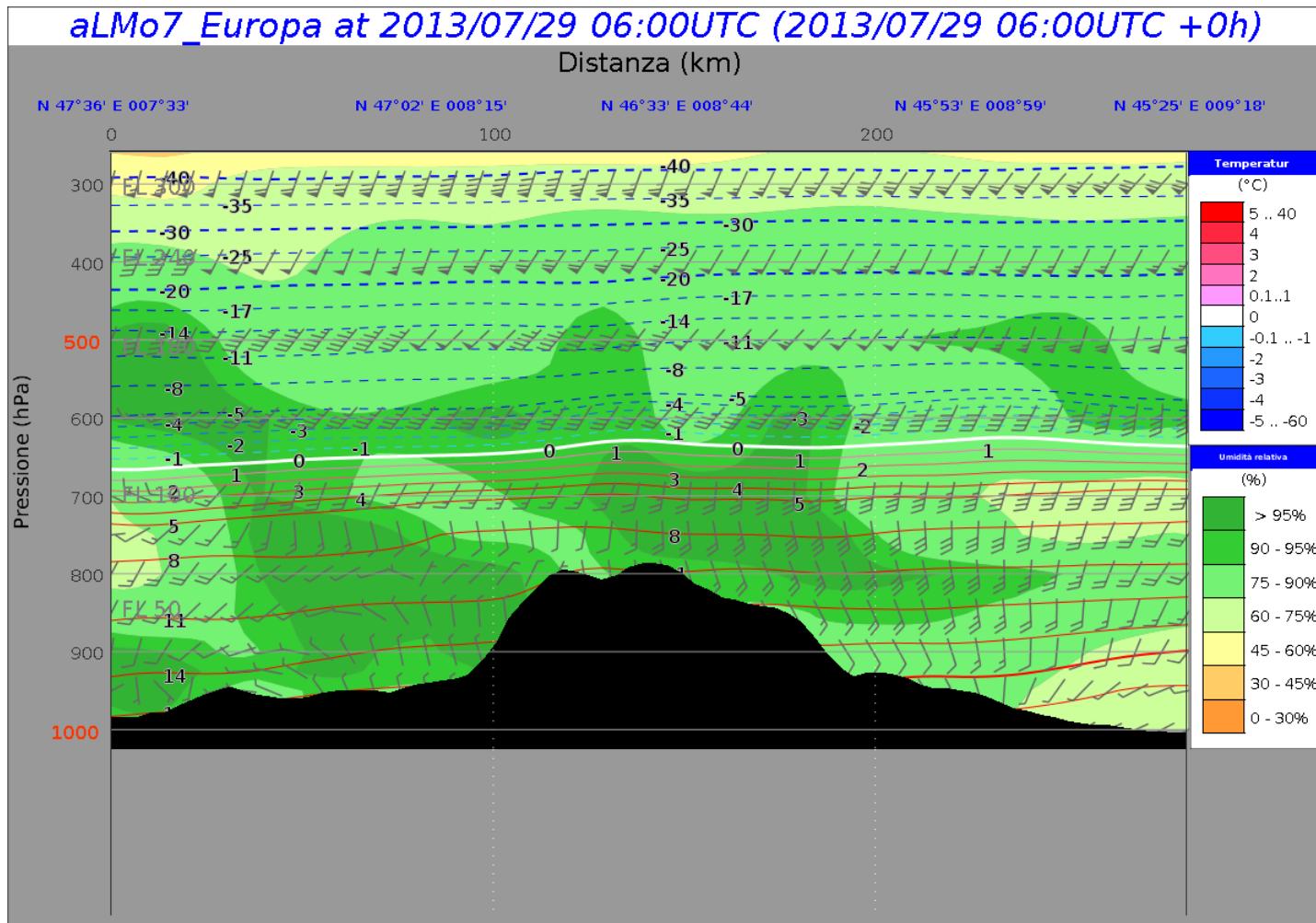


29.7: sezione nord-sud



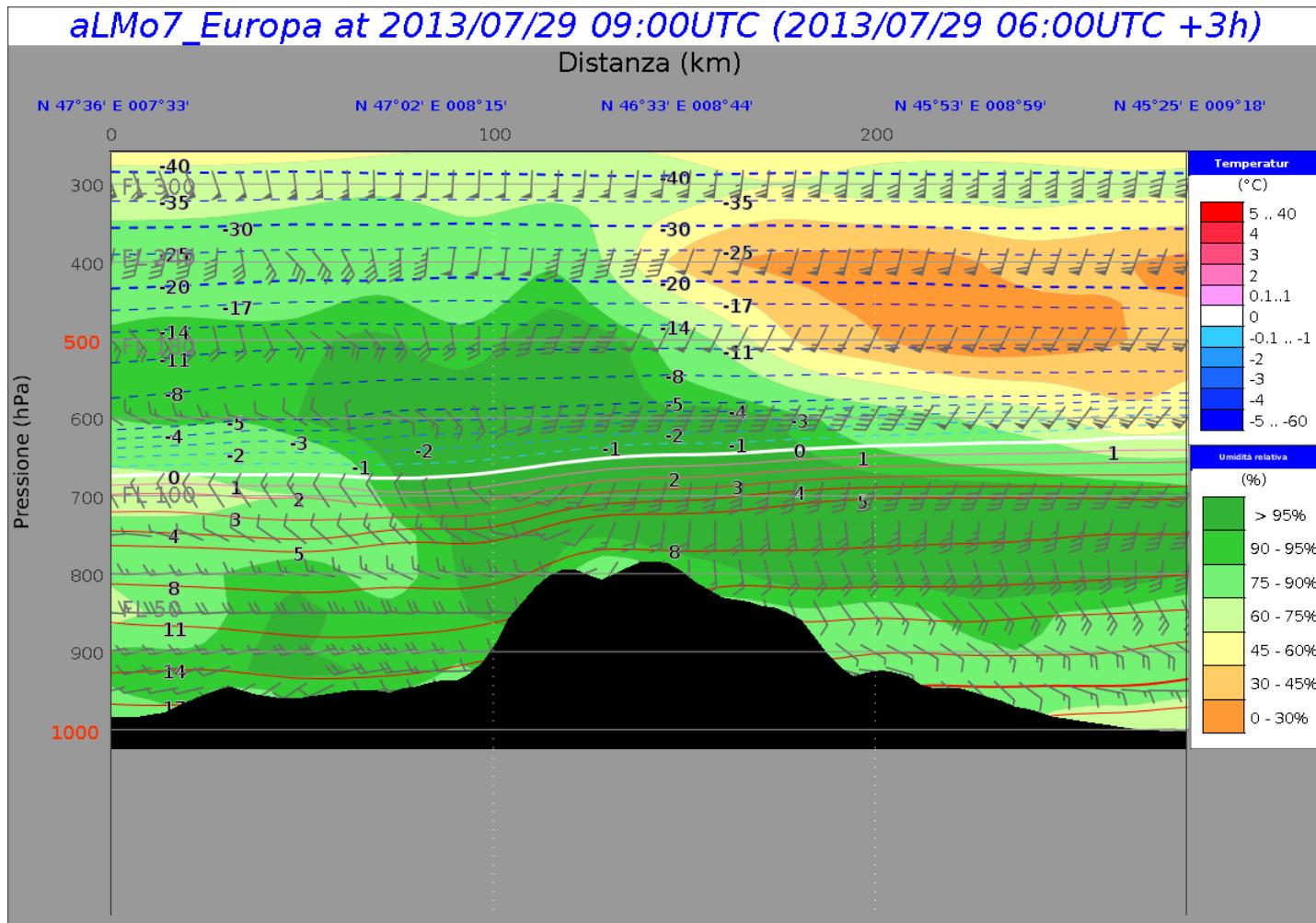


29.7: sezione nord-sud



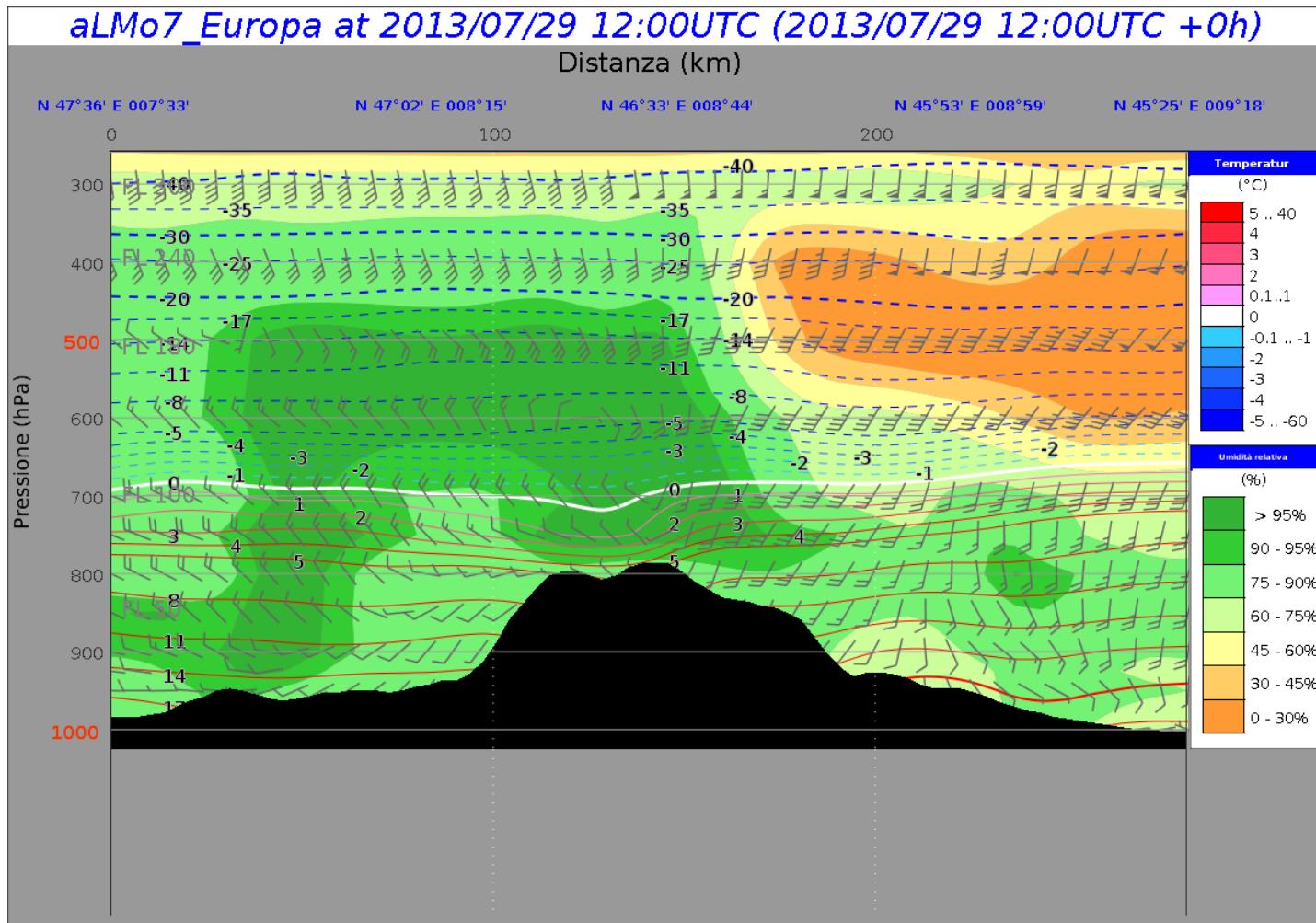


29.7: sezione nord-sud



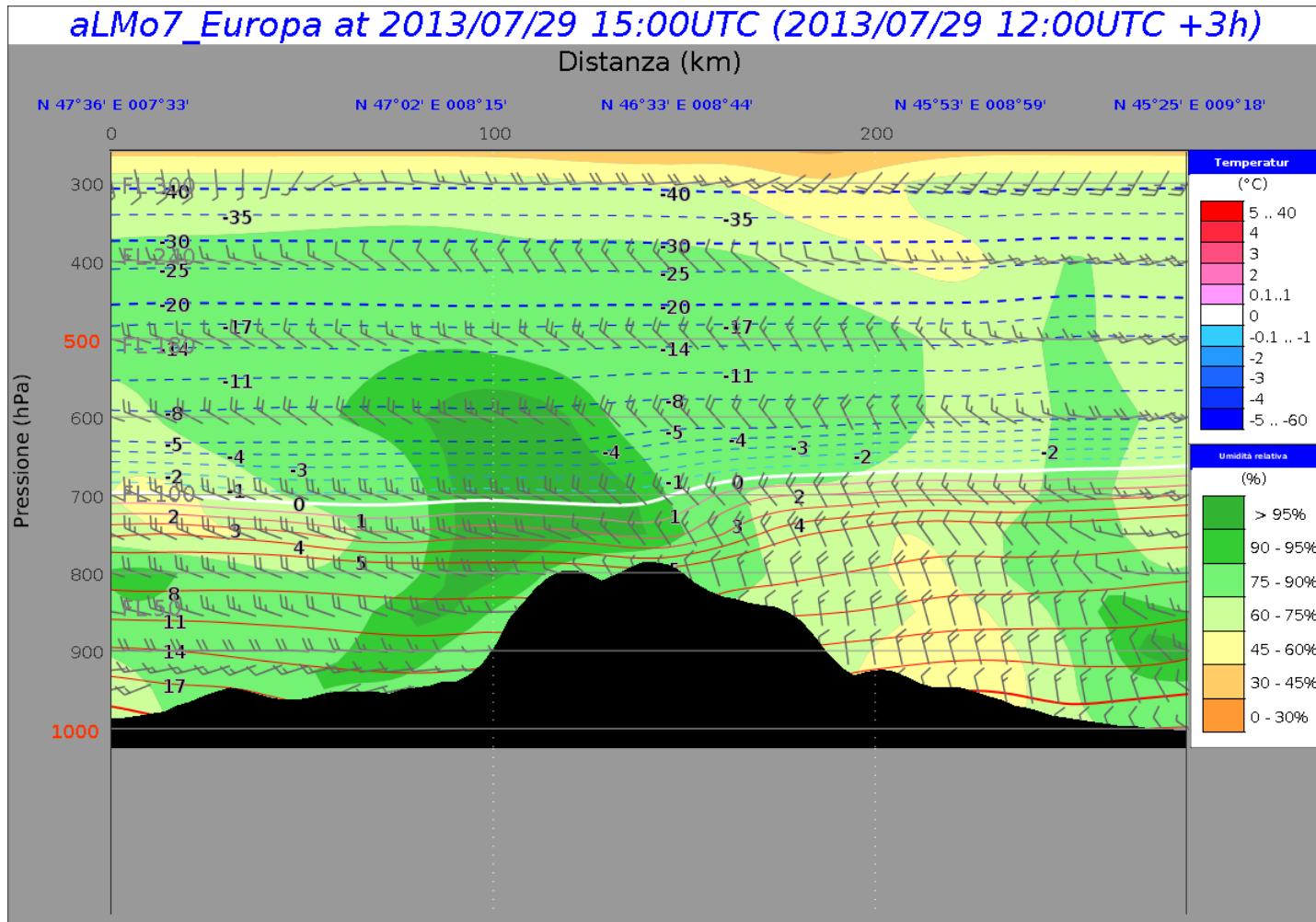


29.7: sezione nord-sud



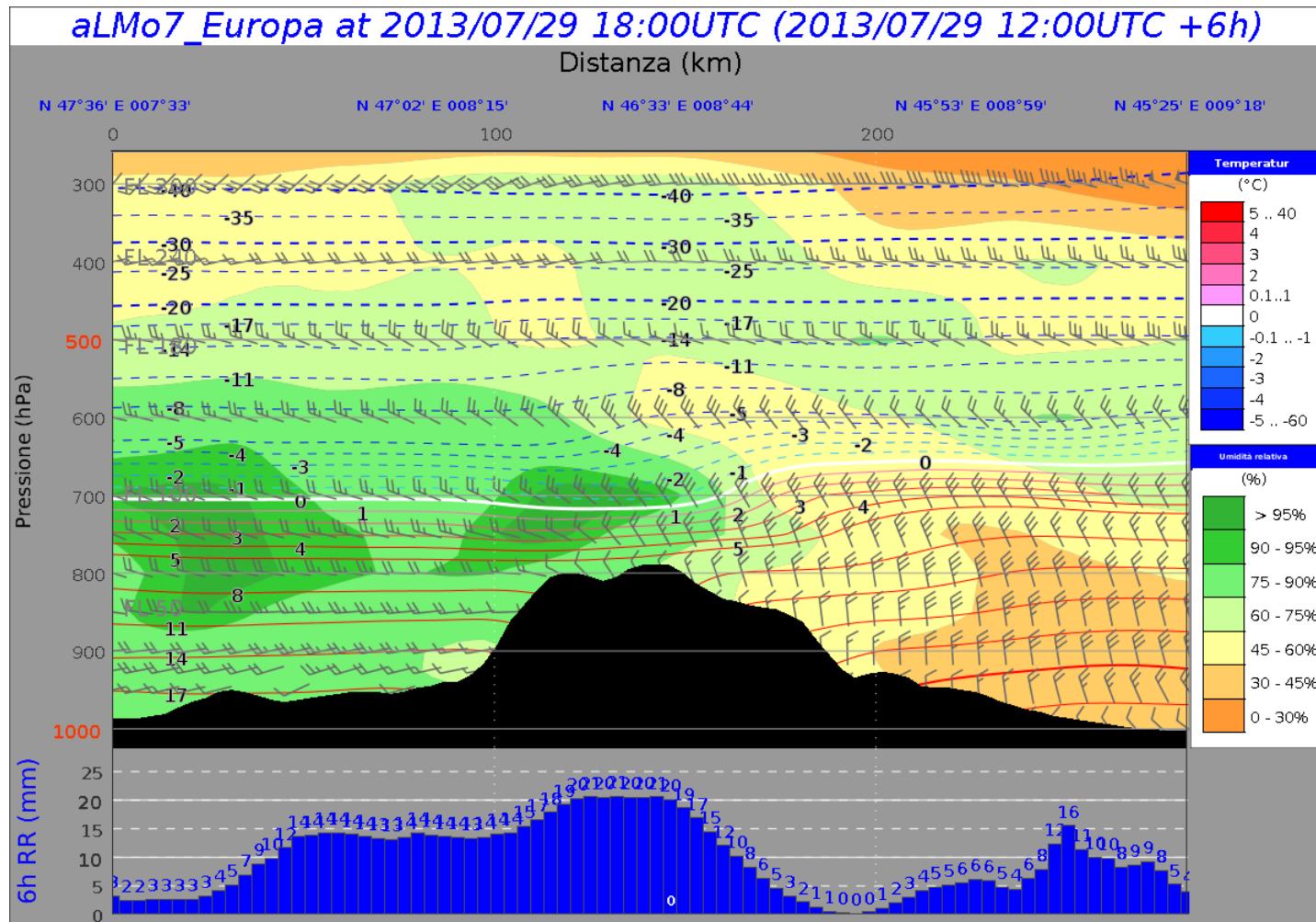


29.7: sezione nord-sud



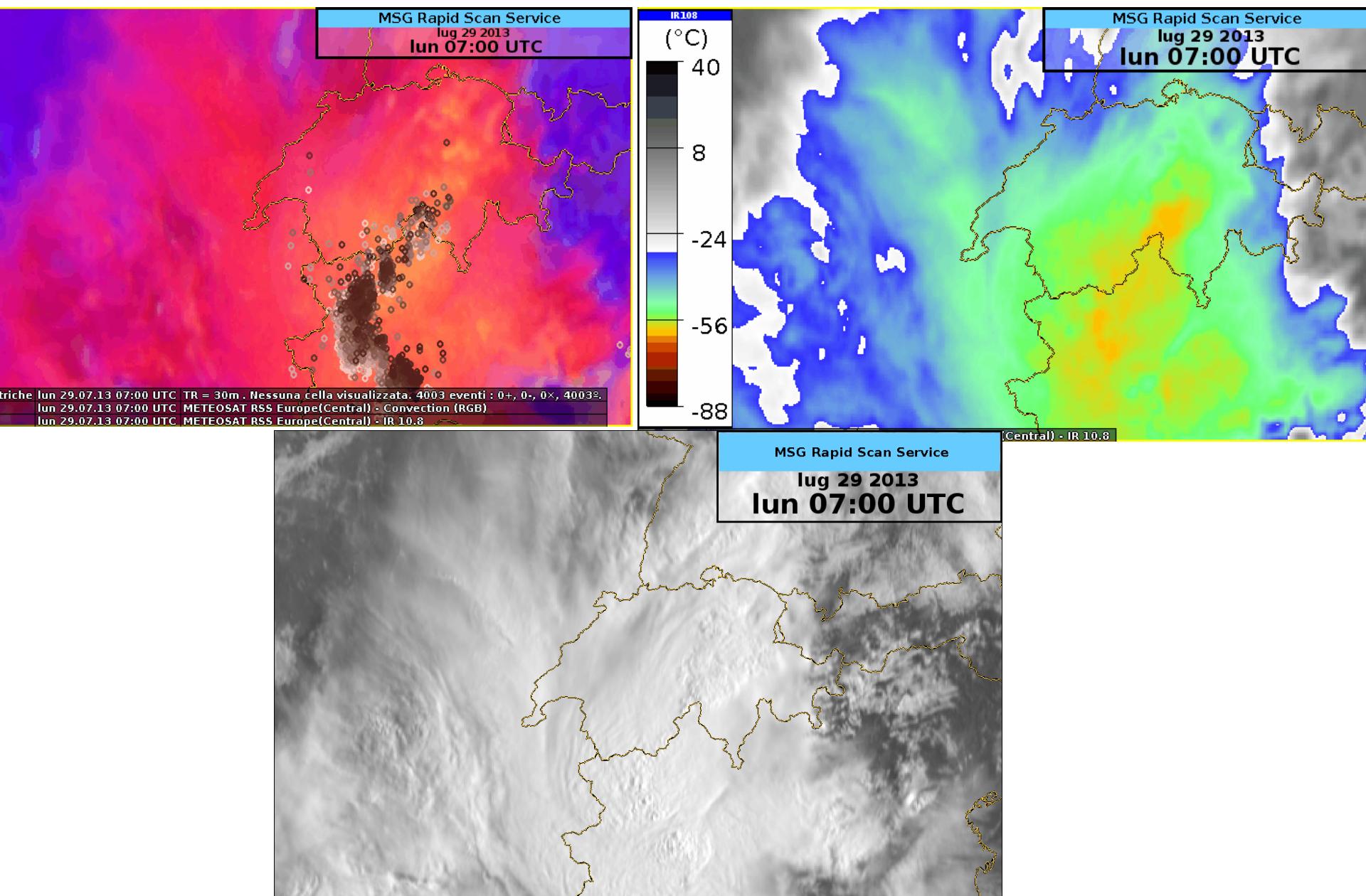


29.7: sezione nord-sud





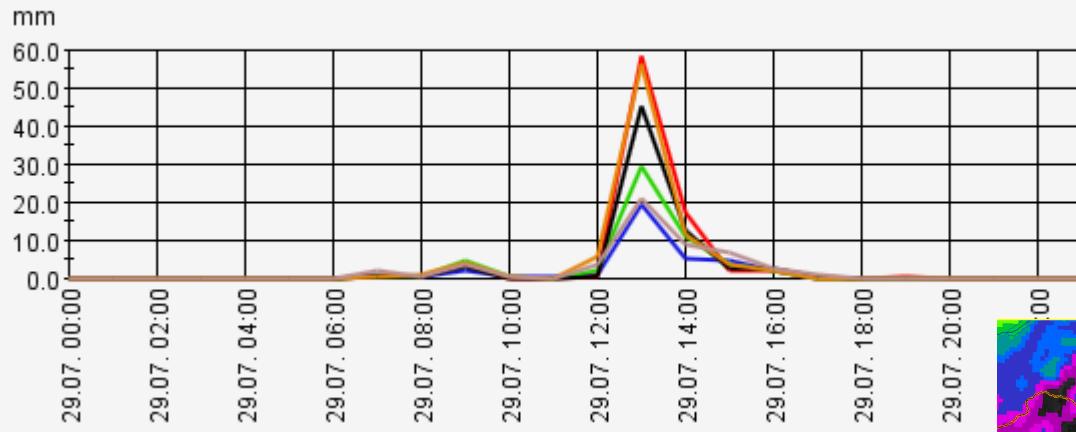
29.7: IR 10.8, RGB convection + fulmini, HRV





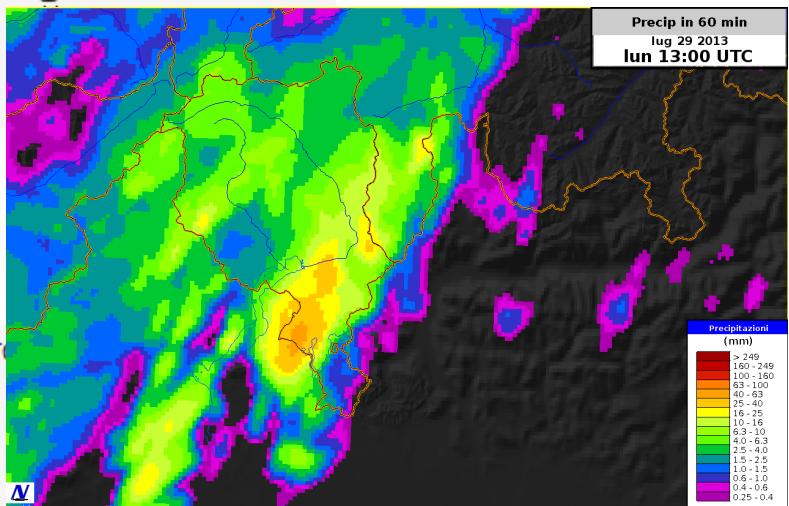
29.7: accumuli orari

Niederschlag; bürgerliche Stundensumme [mm] 29.07.2013 00:00 UTC - 29.07.2013 23:00 UTC

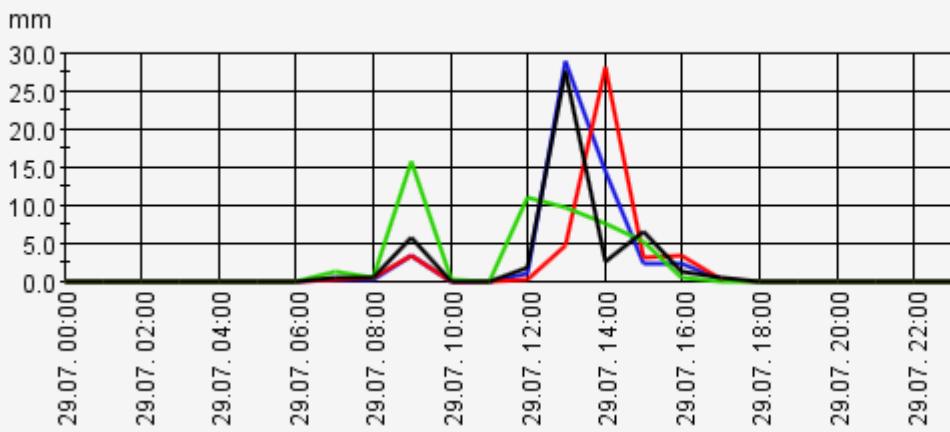


Quelle:
MeteoSchweiz

- Camignolo
- Bioggio
- Arosio
- Grancia
- Novaggio
- Isona



Niederschlag; bürgerliche Stundensumme [mm] 29.07.2013 00:00 UTC - 29.07.2013 23:00 UTC

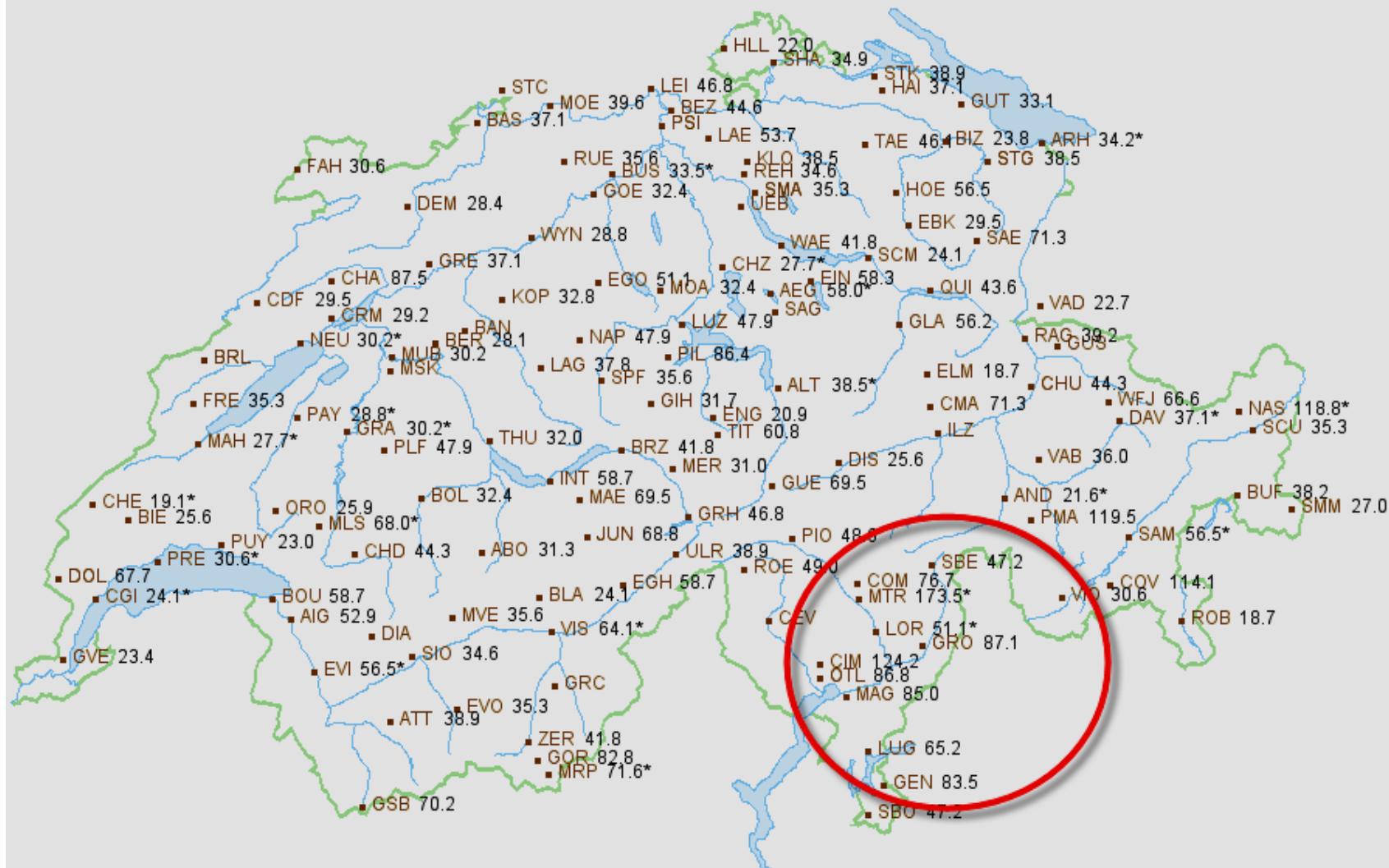


- Lugano
- Stabio
- Locarno / Monti
- Magadino / Cadenazzo



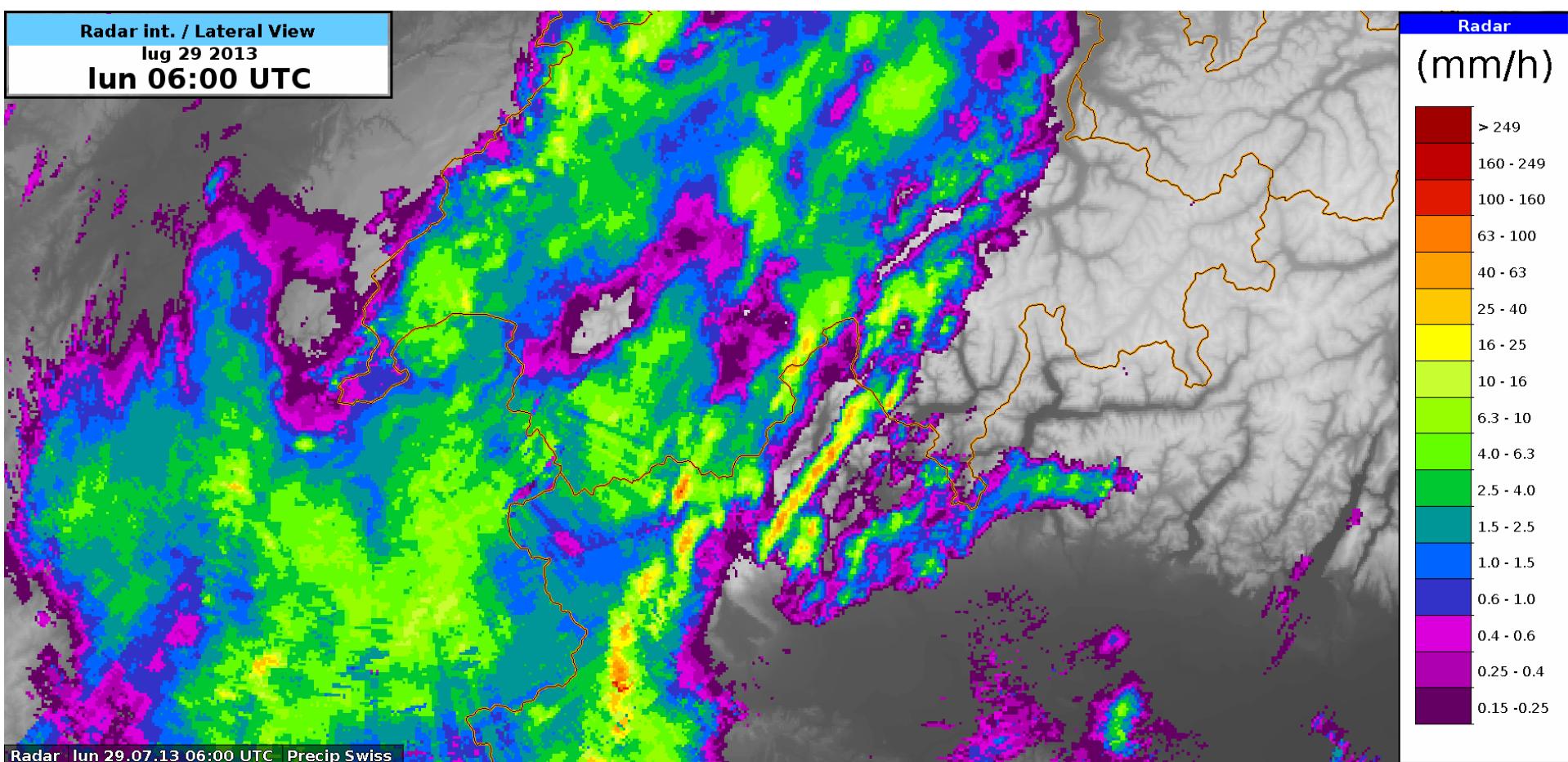
29.7: raffiche di vento massime

Raffica del vento (su un secondo); massima [km/h]
29.07.2013 02:10 UTC - 29.07.2013 14:00 UTC (massimo)





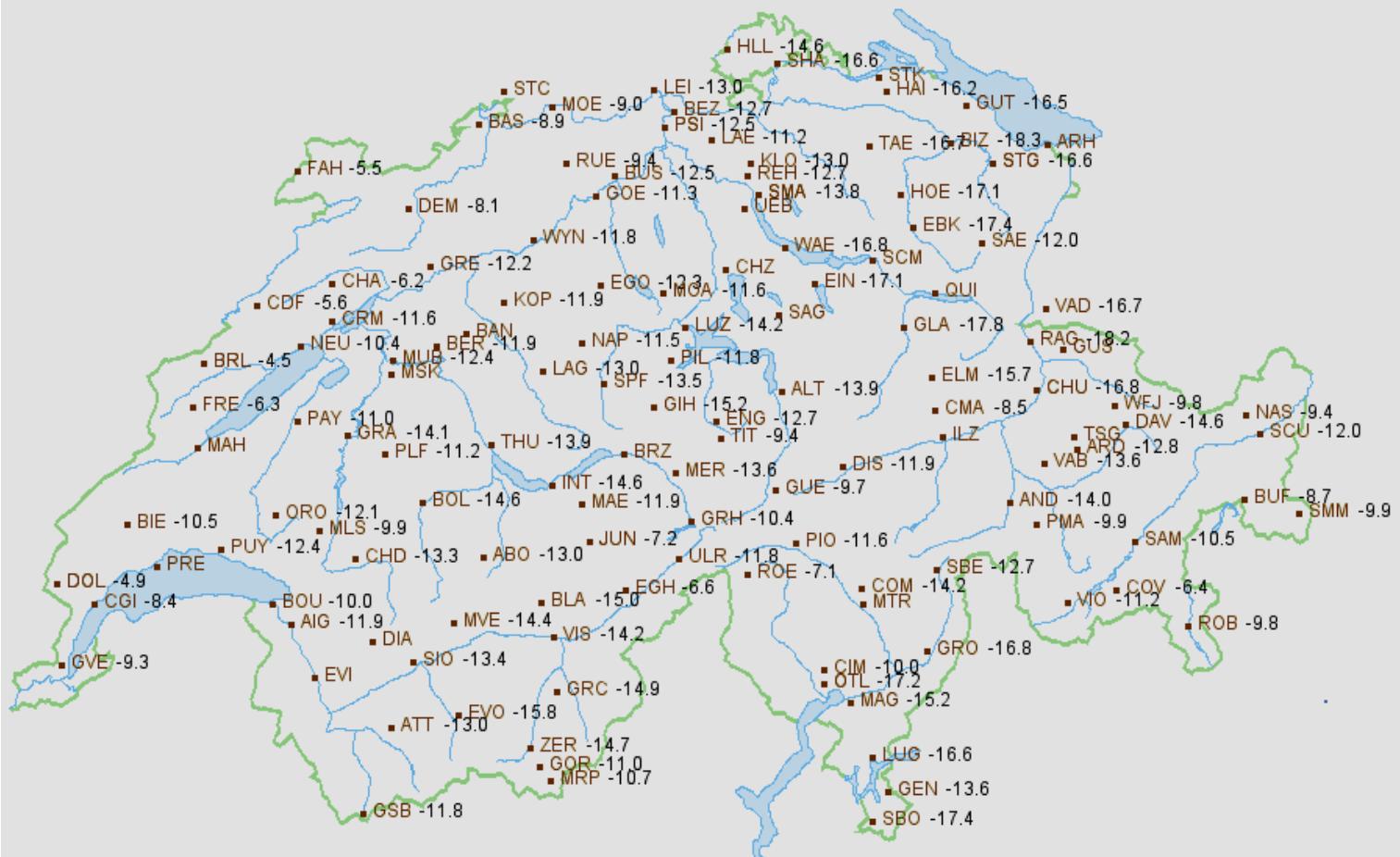
29.7: animazione radar





29.7: calo termico

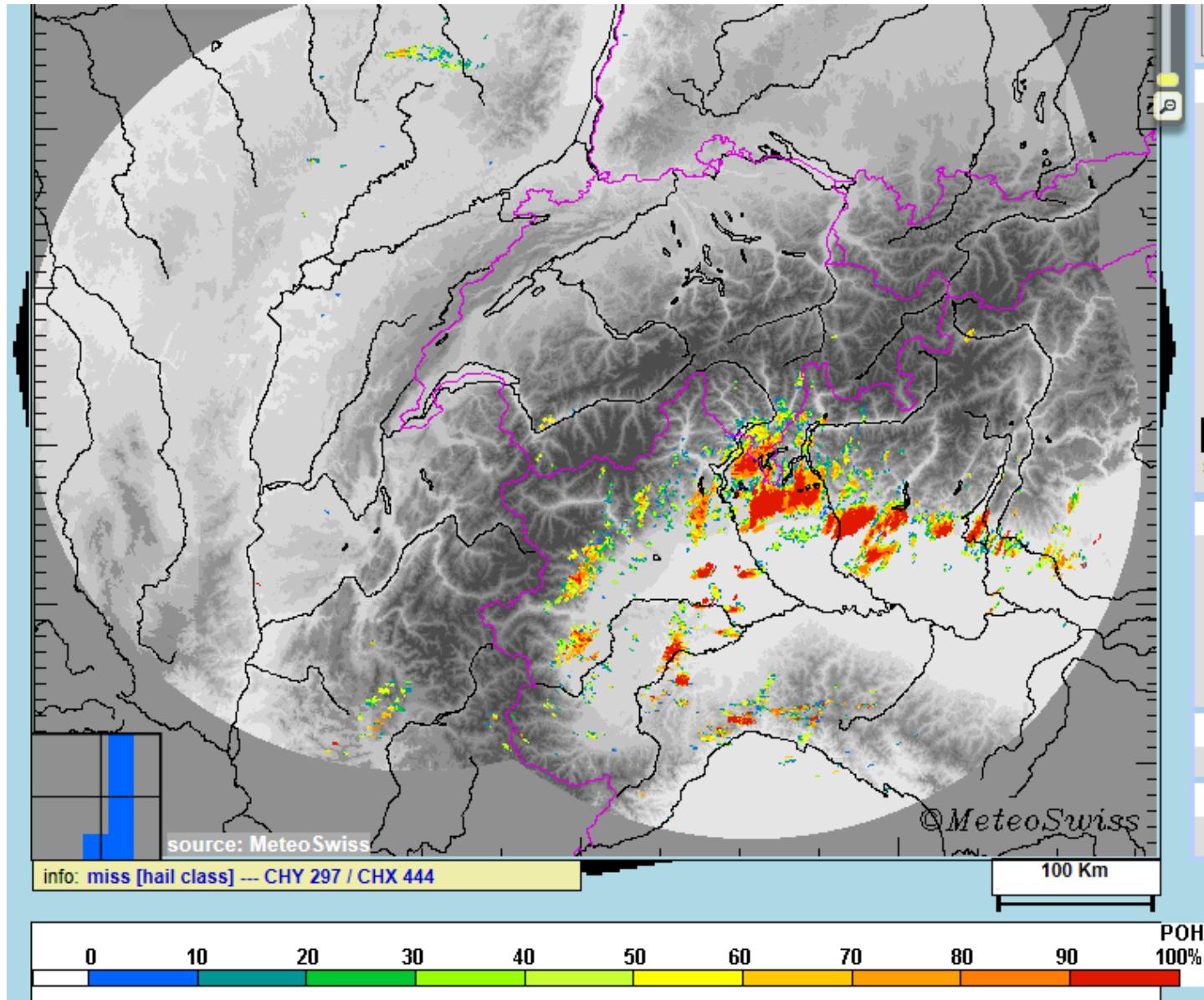
Temperatura dell'aria a 2 m; valore momentaneo [°C]
28.07.2013 14:00 UTC - 29.07.2013 13:50 UTC (differenza)



Origine: MeteoSvizzera

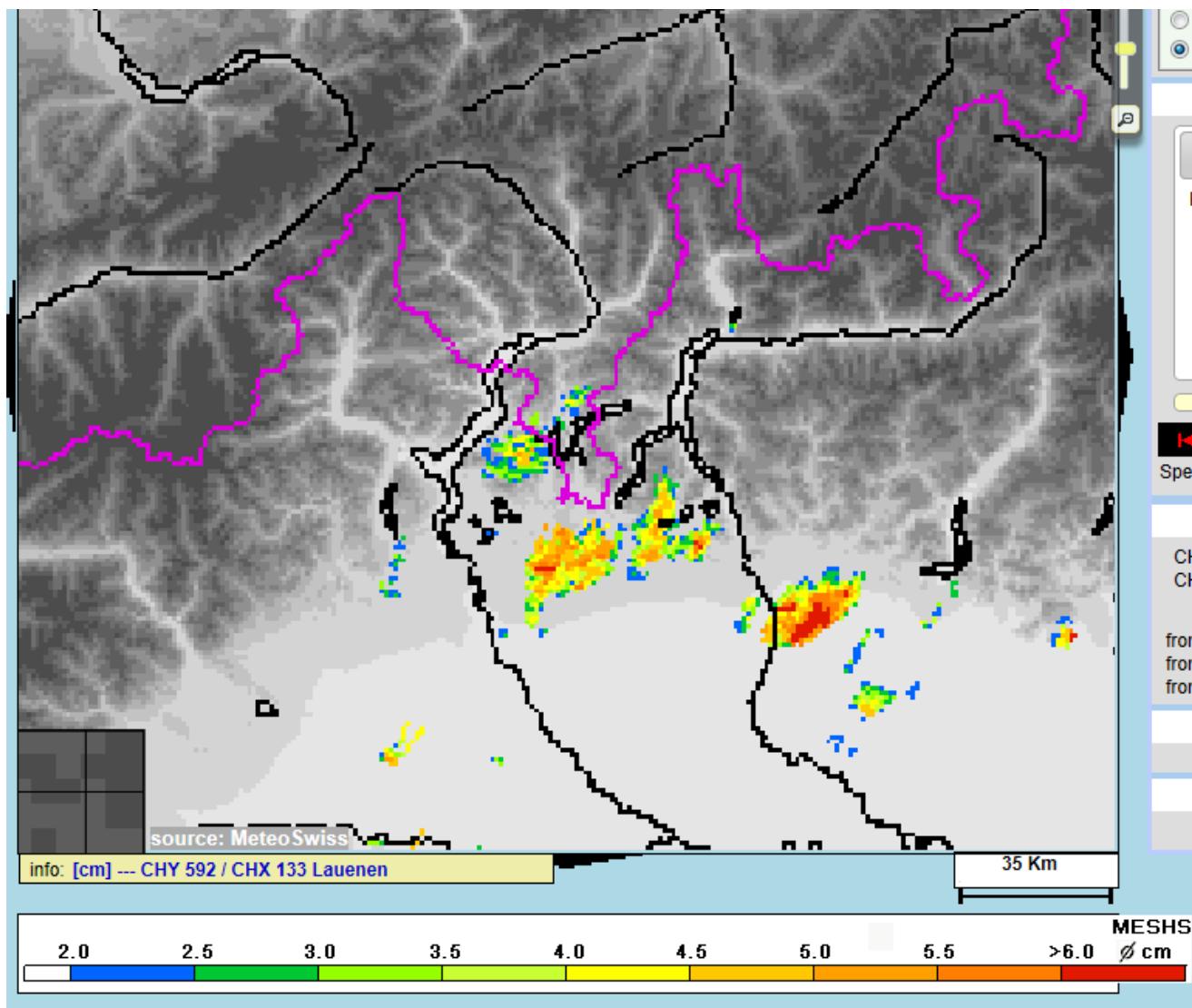


29.7: grandine



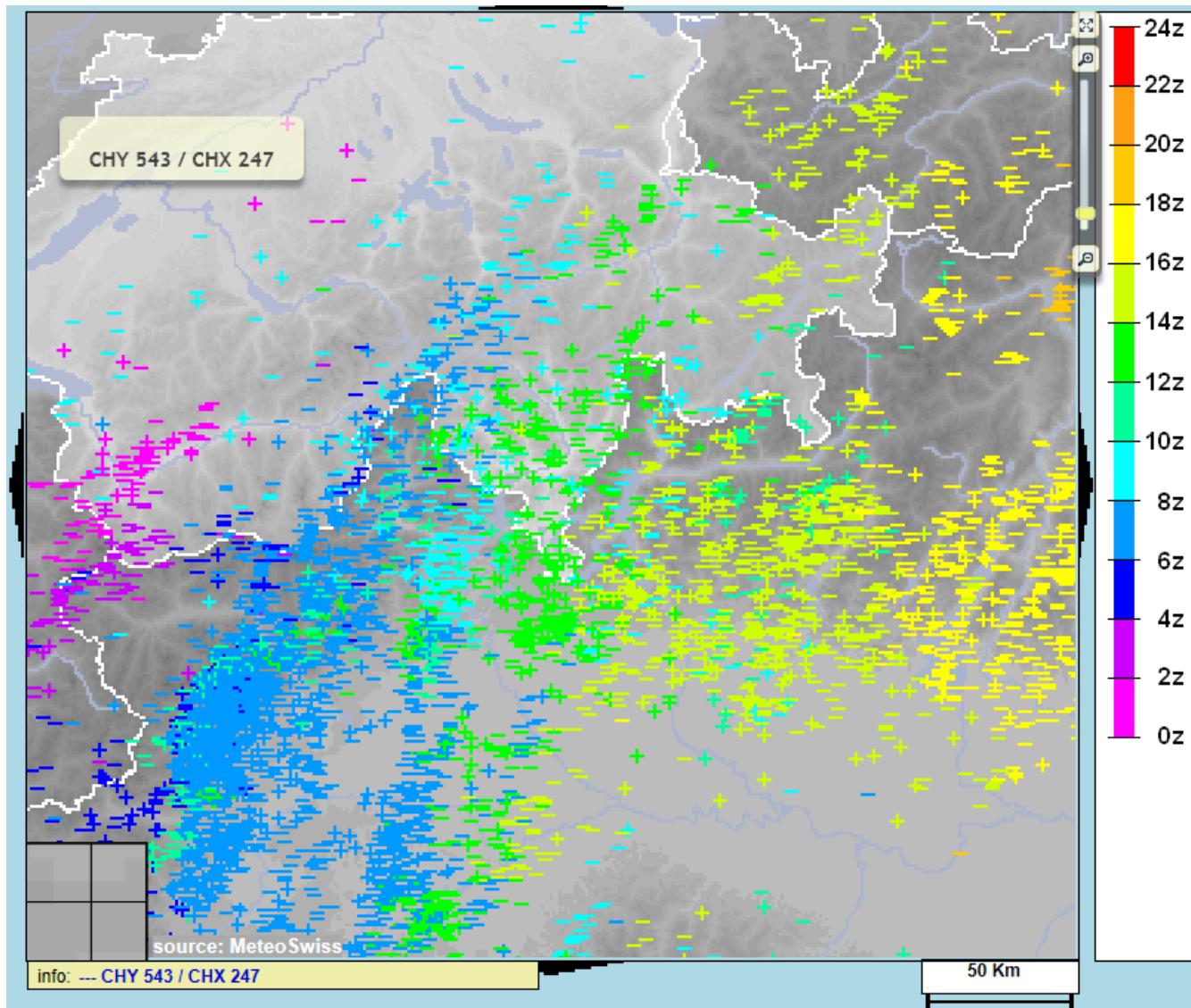


29.7: dimensione della grandine





29.7: fulminazioni





Domande (Mauro)

le giornate di martedì 11 e mercoledì 12 giugno sono state delle bellissime giornate limpide. Fresche durante la notte e di primo mattino poi calde con una temperatura davvero gradevole. A partire da giovedì 12 giugno ho osservato un aumento della foschia.

Mi pare che questo aumento della foschia sia tipico degli anticlioni. E' dovuto alle brezze che soffiano dalla Pianura Padana?

Quale parametro utilizzate per valutare l'aumento della foschia? L'umidità relativa a 2 m? O a quote superiori?

Sulla Pianura Padana ristagna quasi sempre aria umida: a cosa è dovuto questo? Anche le pianure del nord delle Alpi e dell'Europa in genere sono caratterizzate da questa umidità o è tipica solo della Pianura Padana?

Nel secondo articolo indicate l'arrivo di una massa d'aria molto calda dal nordafrica.

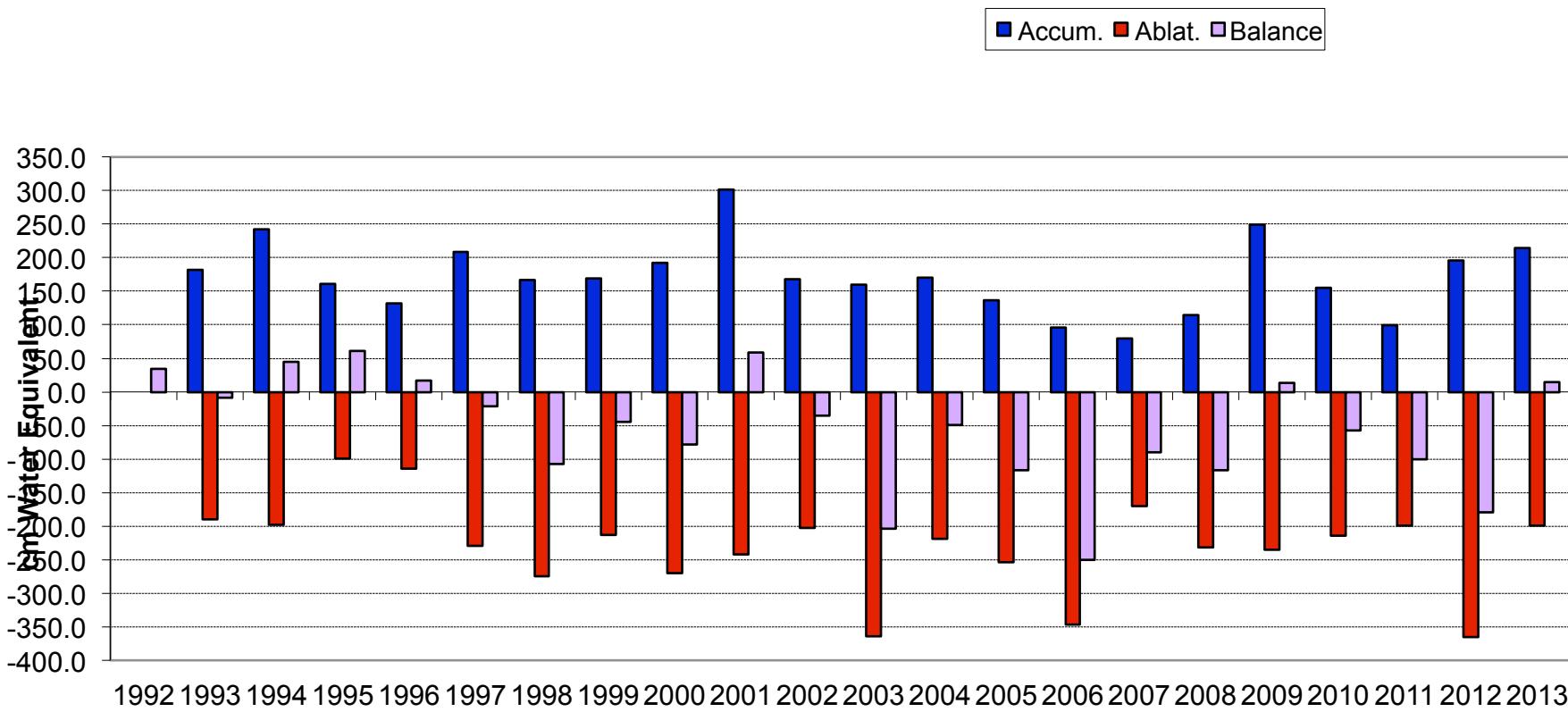
Volevo chiederti innanzitutto quale parametro usate per stabilire la posizione delle masse d'aria. La temperatura a 850 hpa? Oppure la temperatura potenziale equivalente?

In Italia si sente spesso parlare (tra mille eccessi) di anticlioni nordafricani. Mi pare che voi non usiate questa espressione. E' l'equivalente del termine masse d'aria di origine subtropicale?

Infine ti volevo chiedere a cosa è dovuta l'afa dovuta all'umidificazione prevista nei prossimi giorni: è perchè la massa d'aria attraversa il mare o la Pianura Padana? Oppure perchè già la massa d'aria è già in parte umida?

Infine una domanda sull'umidità: talvolta parlando con la gente si sente dire che in Pianura d'estate è umido anche quando non fa molto caldo. E' sensata questa osservazione oppure fa parte un po' degli standard delle lamentele?

Ghiacciaio Basodino - Mass balance



Basodino 2012 - 2013

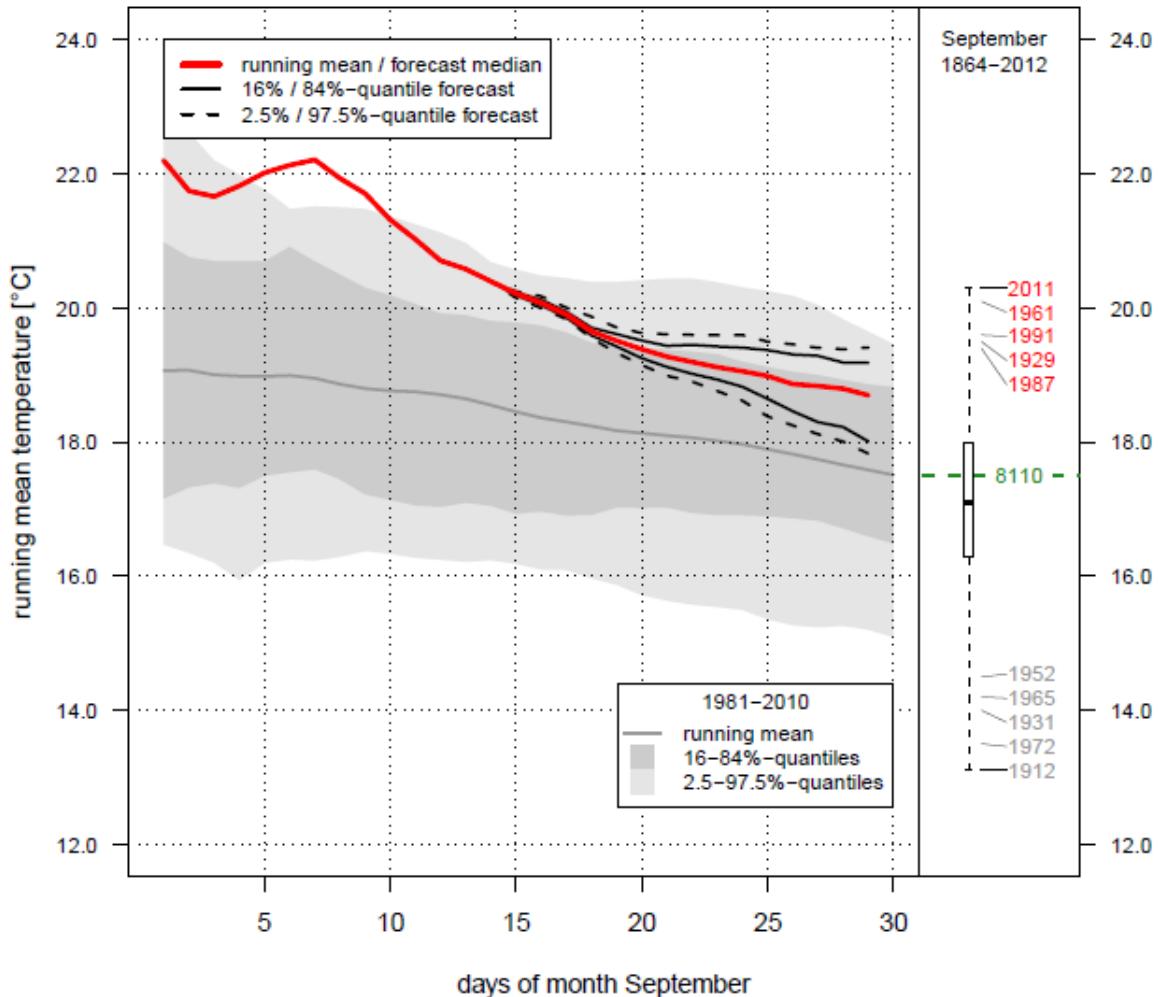
L'inverno è stato normale, ma molto nevoso in maggio e inizio giugno. Ciò ha fatto sì che l'estate, seppur calda, ma tardiva, non ha portato a delle perdite nette. Infatti l'accumulo totale è stato lievemente positivo, grazie appunto alla copertura bianca che ha riflesso gran parte della radiazione durante buona parte dell'estate. Gka 15.09.2013



Settembre 2013

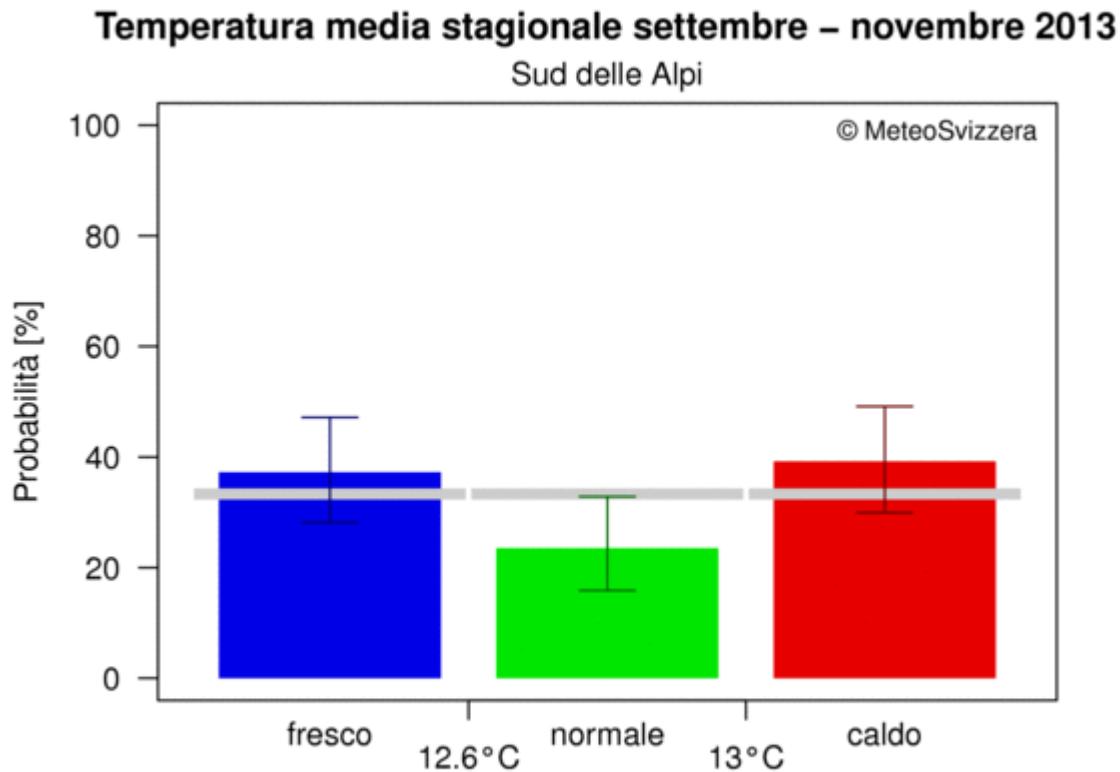
Monthly Mean Temperature Outlook

Lugano: September 2013





Autunno 2013



Previsione (in colore) e statistica 1981 – 2012 (in grigio)
Elaborazione del agosto 2013