



Calculations of soarWRF forecasts are distributed on 2 servers and conducted in three stages (three domains): 1/ the MOAD (mother of all domains) with 18 Km resolution, then 2/ the first 6 Km resolution sub-domain, 3/ finally, server 1 calculates the 2 km resolution subdomain (in red, central Alps, 150x279 horizontal grid points) and server 2 calculates the two 2 km resolution subdomains (in orange, south and east of the Alps, respectively 99x129 and 135x162 horizontal grid points). MOAD and 6K are the same for the two servers and are quickly calculated. The first five rows of grid points around the edges of the domains do not provide very reliable predictions.

Let's go to the main page soaringmeteo.ch. To access soarWRF two choices are presented to you, ...



Soaringmeteo.ch: Météorologie pour p

et BL en anglais, habituellement non

Home - soarGFS 0.5°> - soarWRF 2K init 06Z> - soarWRF 2K init 18Z> - Docs>

FR - EN>

Bienvenue sur la page princ pale de Soaringmeteo.ch!

Auteur et responsable du site web : Jean Oberson, pilote et instructeur OFAC de parapente.

Vous trouverez ici des modèles numeriques libres pour la prévision des conditions de vol de soaring thermique (parapentes, deltas et planeurs) sur les Alpes. I y a aussi de nombreux documents originaux pour comprend e la météo du vol de soaring et l'utilisation du parapente.

1) either vou are at the end of afternoon and vou uche limite atmosphérique diurne,

iprése

ernet

r celle

... (1) either you are at the end of afternoon and you want to know the predictions of tomorrow. You have to click on soarWRF init 06Z. The initial data are initialized by 06Z i.e 8 a.m. summer time (Z=UTC=universal time). It takes about 4 hours for these data to be available on the servers of NOAA. Then WRF servers work almost as much to calculate, prepare and upload the results on the hosting servers of soaringmeteo. The forecast is valid for the next day.

... Or (2) you wake up and want to know if the forecasts have not changed since yesterday. You have to click on soarWRF init 18Z. In this case the initial data are initialized at 18Z the day before of the forecasts for the current day.

NEWS:

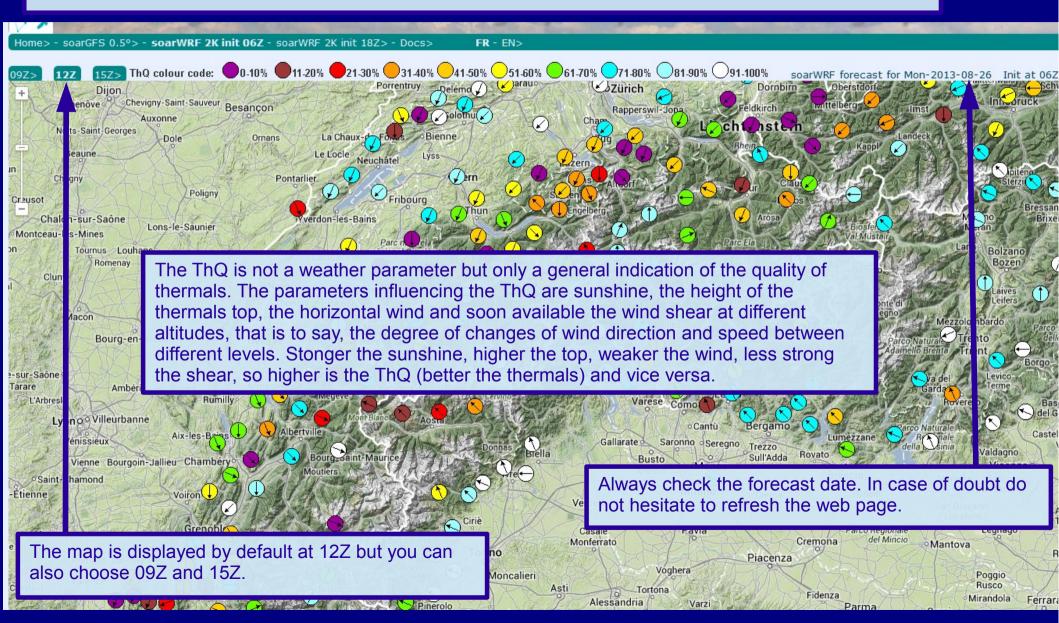
RASP est mo

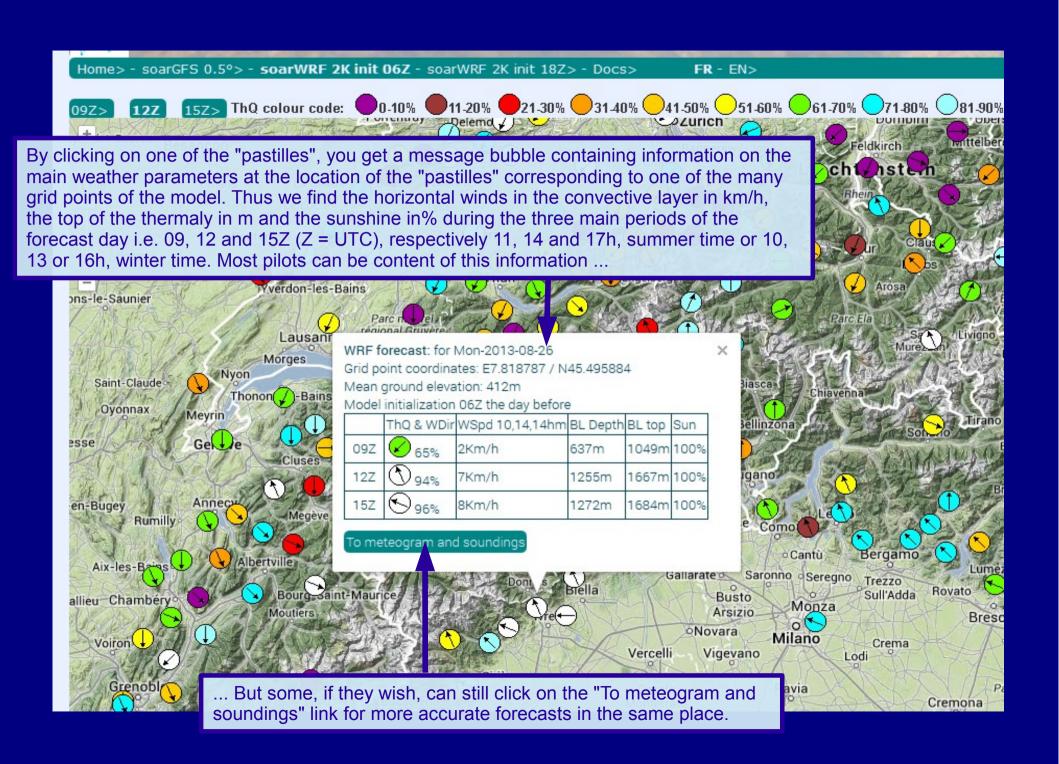
Le créateur d utilisait le molaissé les sour ce très fameu sur des serve

ilement. Pr prévisions

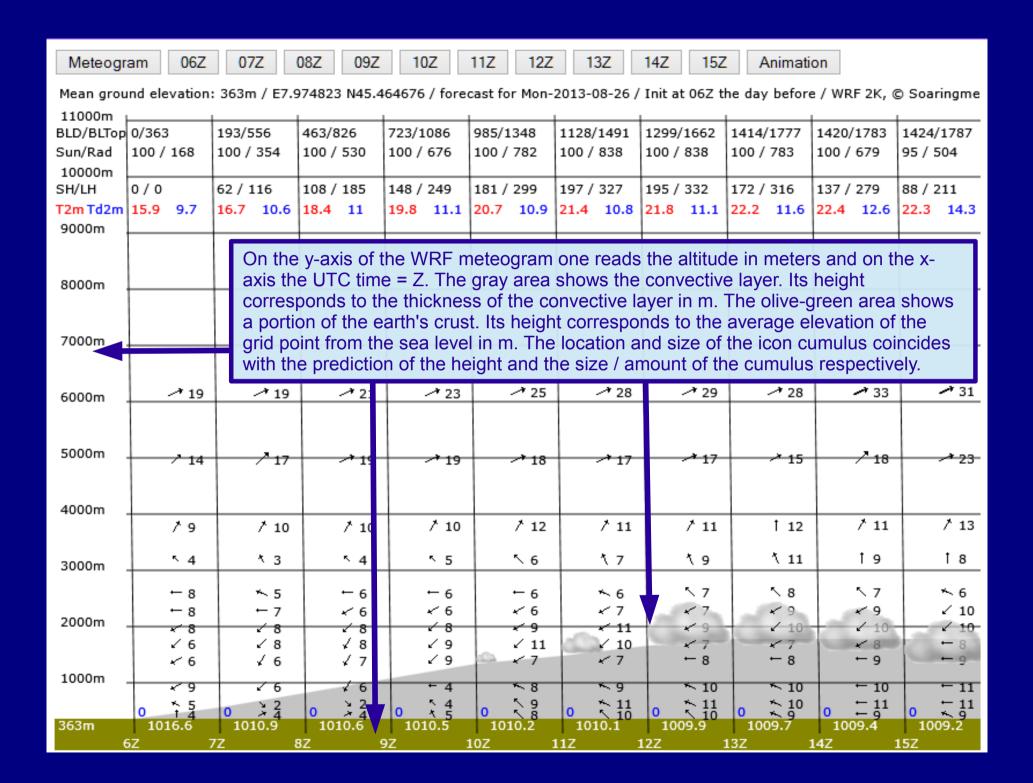
uellement

In these two cases, you get a page with a GoogleMap centered on the Alps. On this map there is a multitude of color "pastilles" representing the overall quality of thermal (ThQ = thermal quality index) with an arrow representing the direction of the wind in the upper part of the convective layer. Closer the color to white, the better the thermals and the ThQ and vice versa. The ThQ extends from violet (0-10%) corresponding to difficult, dangerous or impractical thermals to white (90-100%) indicating good thermals.





Meteogra	am	06Z	07	7Z (08Z	09Z	10	DZ	11Z	12Z	1	3Z	14Z	152	: <i>I</i>	Animati	on			
Mean ground elevation: 363m / E7.974823 N45.464676 / forecast for Mon-2013-08-26 / Init at 06Z the day before / WRF 2K, © Soaringme																				
BLD/BLTop	0/363	:	193/5	556	463/8	326	723/1	.086	985/1	348	1128	/1491	1299/	1662	1414	/1777	1420/	/1783	1424/	1787
Sun/Rad	100/	168	100 /	354	100 /	530	100 /	676	100 /	782	100 /	838	100 /	838	100 /	783	100 /	679	95 / 5	504
10000m	_																			
	0/0		62 / :		108 /	- 1	148 /		181 /		197 /		195 /		172 /		137 /		88 / 2	
T2m Td2m	15.9	9.7	16.7	10.6	18.4	11	19.8	11.1	20.7	10.9	21.4	10.8	21.8	11.1	22.2	11.6	22.4	12.6	22.3	14.3
9000m																				
		A 2001	vir	adow (2000	oro 00	ntoir	ina n	otoo	arom	and	oorol	ogioo	Lprofi	loo		1			
8000m	A new window appears containing meteogram and aerological profiles. Hourly forecasts extend from 6Z (8h summer time) to 15Z (17h summer																			
			-					•			,		•							
		•				of 3 ho		•												
7000m		an no	our o	i addi	liona	l calcu	แลแด	ns. w	e ca	i proi	ong	only b	y gro	up oi	3 110	urs.	_			
5000		~ 19		~ 19		→ 21		→ 23		→ 25		→ 28		→ 29		→ 28		33		3 1
6000m _		- 15		. 15		. 21														
5000m				/ 17		*		*		*		* + 2		→ 17		<i>→</i> 15		/ 18		-1 23
		' 14		/ 1/		- 19		→ 19		18		→ 17		- 1/		, 13		/ 10		- 25
4000m _					-			•		4	-	4	+	•	-	•	+	*	-	*
		1∕9		/ 10		/ 10		<i>†</i> 10		<i>†</i> 12		/ 11		<i>†</i> 11		12		/ 11		<i>†</i> 13
3000m _		٠ 4		۲ 3		۲.4		۲ 5		∖ 6		17		۲9		1 11		1 9		1 8
		_ 0		4 F								٠.		\ 7		\ 8		5 7		~ 6
		8 8		^ 5 ← 7		6 -<-6		6 -⁄-6		6 -<-6		↑ 6 √ 7	1 4	~ 7	1 4	· 9		~ 9		√ 10
2000m _		√ 8	-	√8	-	2 8		√ 8	+	~ 9		- 11	-00	- 9	-00	Z 10	- mil	V 10	1	Z 10
		√ 6		✓ 8		√ 8		√ 9		< 11	a Cili	V 10	10	17	-	×7	10	¥ 8	100	- 8
		√ 6		√ 6		√ 7		√ 9	5.54	× 7		× 7		- 8		- 8		- 9		- 9
1000m _		~ 9	\vdash	√ 6		√ 6		- 4		~ 8		~ 9		~ 10		~ 10		- 10		- 11
	0	× 5 ↑ 4	0	¥ 2 ¥ 4	0	¥ 2 * 4	0	^ 4 ^ 5	0	\ 9 \ 8	0	₹ 11 ₹ 10	0	₹ 11	0	₹ 10 ₹ 9	0	— 11 — 9	0	- 11 - 9
363m		16.6		10.9		10.6	10:	10.5		0.2		10.1	100	09.9	10	09.7		09.4	100	09.2
6	Z	7	Z	8	3Z	9	Z		10Z	1	l1Z		12Z		13Z		14Z	:	15Z	



Meteogram 06Z 07Z 08Z 09Z 10Z 11Z 12Z 13Z 14Z 15Z Animation													
Mean ground elevation: 363m / E7.974823 N45.464676 / forecast for Mon-2013-08-26 / Init at 06Z the day before / WRF 2K, © Soaringme													
11000m	H												
BLD/BLTop	0/363	193/556 463/826		723/1086	985/1348	1128/1491	1299/1662	1414/1777	1420/1783	1424/1787			
Sun/Rad	100 / 168	100 / 354	100 / 530	100 / 676	100 / 782	100 / 838	100 / 838	100 / 783	100 / 679	95 / 504			
10000m													
SH/LH	0/0	62 / 116	108 / 185	148 / 249	181 / 299	197 / 327	195 / 332	172 / 316	137 / 279	88 / 211			
T2m Td2 n	15.9 9.7	16.7 10.6	18.4 11	19.8 11.1	20.7 10.9	21.4 10.8	21.8 11.1	22.2 11.6	22.4 12.6	22.3 14.3			
9000m													
Direction (arrows) and velocity (numerical values in km/h) winds are shown at different altitudes. BLD =													
	dary Ìayer d												
	ion at grou		•	•									

