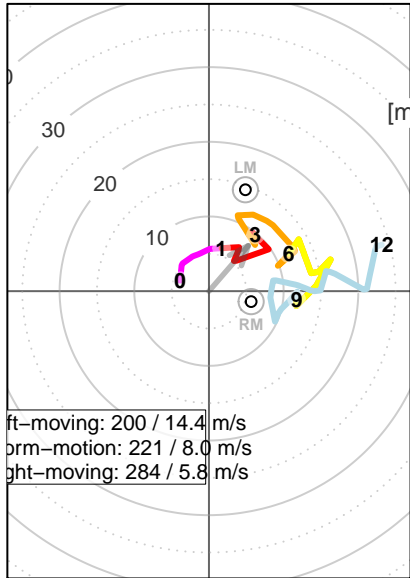
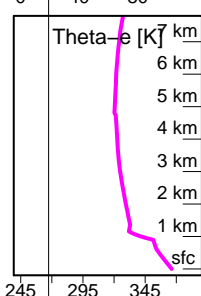
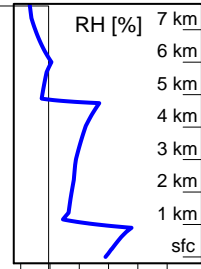
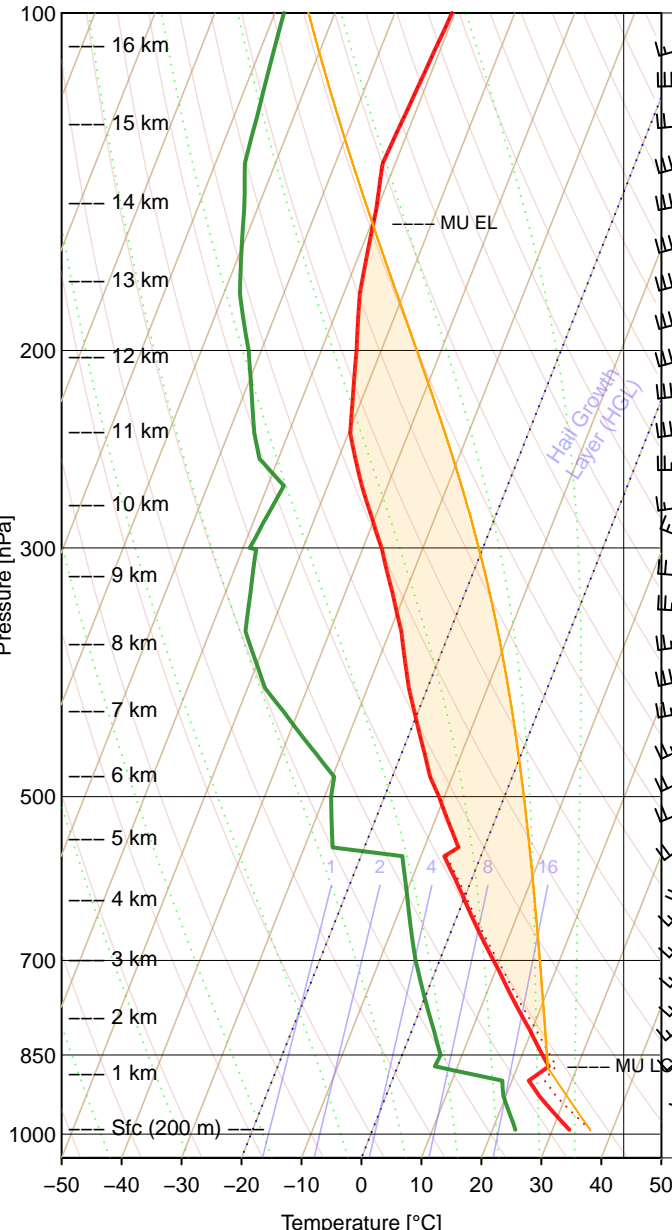
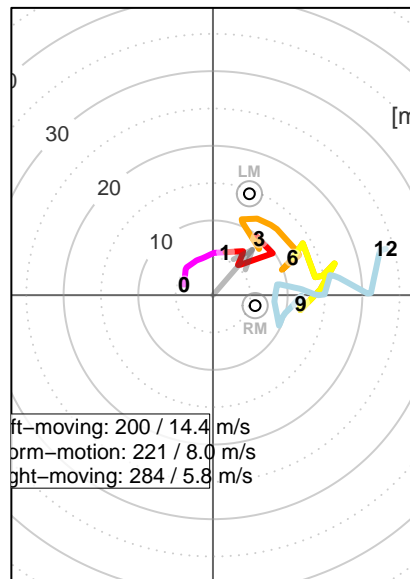
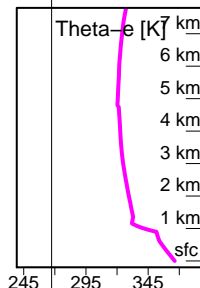
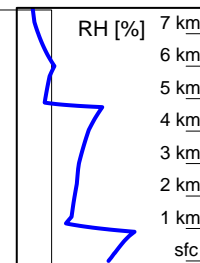
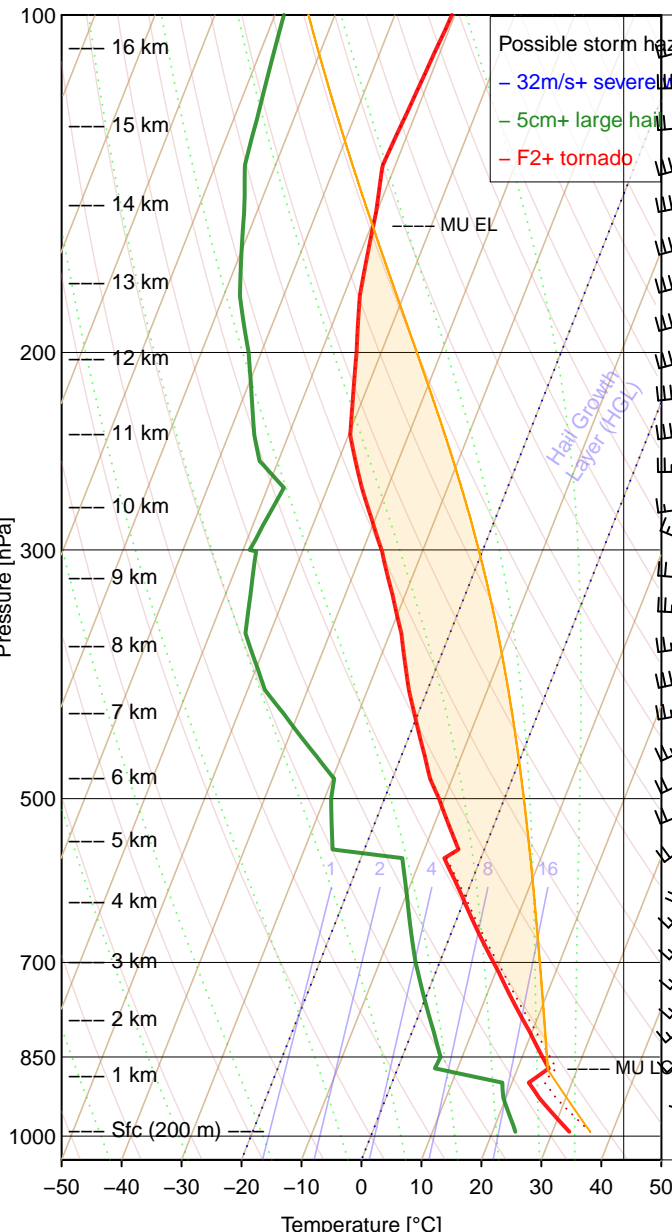


Vienna – 23 August 2011, 12:00 UTC



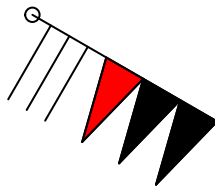
	MIXCAPE	CAPE	CAPE	CAPE	GIN	LI	LCL	LFC	EL	WMAX	SH
	[g/kg]	[J/kg]	[J/kg]	[J/kg]	[J/kg]	[K]	[m]	[m]	[m]	[m/s]	[m/s]
SB	19.1	5782	183	1490	-8	-141	1401	4801	3740	615	E 186
MU	19.1	5782	183	1490	-8	-141	1401	4801	3740	615	E 186
ML	17.7	4797	122	1318	-28	-121	2301	7451	3350	471	E 166
k	wind shear	SRH		SRH		LM		Mean wind		Lapse rate	
	[m/s]	[m2/s2]		[m2/s2]		[m/s]		[m/s]		[K/km]	
c - 1 km:	51	-100 m: 20		15		Sfc - 1 km: 4.5		Sfc - 1 km: 9.1			
c - 3 km:	31	Sfc - 500 m: 35		12		Sfc - 2 km: 4.5		Sfc - 3 km: 7.9			
c - 6 km:	15	Sfc - 1 km: 73		-15		1 - 3 km: 8.4		3 - 6 km: 7.6			
c - 8 km:	15	Sfc - 3 km: 94		-63		Sfc - 6 km: 8.0		700 hPa: 7.4			
c - HGL:	13.7										
ec. (SB):	17.3	Precip. water [mm]		13		Moisture flux [g/s/m2]: 57		SHIP: 2.3			
ec. (MU):	17.3	5 km RH [%]: 42		DCAPE [J/kg]: 132		SCP: 9.4					
ec. (ML):	17.0	Sfc - 2 km RH [%]: 150		delta theta-e [K]: 40		STP: 1.0					

Vienna – 23 August 2011, 12:00 UTC

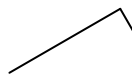


	MIXRCAPE	CAPE	CAPEH	CLIN LI	LCL	LFC	EL	WMAXSH	
	[g/kg]	[J/kg]	[J/kg]	[J/kg]	[K]	[m]	[m]	[m2/s2]	
SB	19.1	5782	183	1490	-8	-141	1401480137401615	E 186	
MU	19.1	5782	183	1490	-8	-141	1401480137401615	E 186	
ML	17.7	4797	122	1318	-28	-121	2301745133501471	E 166	
κ	wind shear	SRH R		SRH LM	Mean wind		Lapse rate		
	[m/s]	[m2/s2]		[m2/s2]	[m/s]		[K/km]		
c	- 1 km: 5.1	Sfc - 100 m: 20		15	Sfc - 1 km: 4.8		Sfc - 1 km: 9.1		
c	- 3 km: 5.6	Sfc - 500 m: 35		12	Sfc - 2 km: 4.5		Sfc - 3 km: 7.9		
c	- 6 km: 15.5	Sfc - 1 km: 73		-15	- 3 km: 8.4		3 - 6 km: 7.6		
c	- 8 km: 19.5	Sfc - 3 km: 94		-63	Sfc - 6 km: 8.5		500 hPa: 7.4		
c	- HGL: 13.7						700 hPa: 7.4		
ec.	(SB): 17.3	Precip. water [mm]: 134		Moisture flux [g/s/m2]: 57		SHIP: 2.3			
ec.	(MU): 17.3	5 km RH [%]: 42		CAPE [J/kg]: 1320		SCP: 9.4			
ec.	(ML): 17.0	2 km RH [%]: 45		delta theta-e [K]: 40		STP: 1.0			

thundeR – rawinsonde processing tool for R v1.0 (2021)



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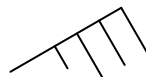
25



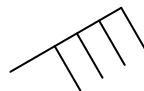
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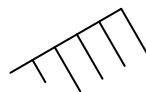
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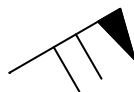
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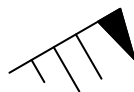
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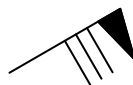
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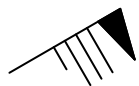
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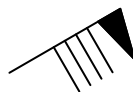
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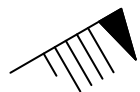
85



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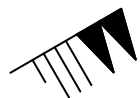
125



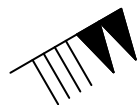
130



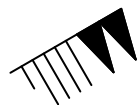
135



140



145



150



155



160



165



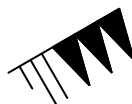
170



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