

Review of skew-T diagram



71119 WSE Edmonton Stony Plain Observations at 00Z 19 Oct

2014

Height of the 710 hPa level ~ (2998+2743)/2 2.87 km ASL or 2.17 km AGL

PRES hPa	HGHT	TEMP C	DWPT C	RELH %	MIXR g/kg	DRCT deg	SKNT knot	THTA K	ТНТЕ ТНТV К К	
1000.0 925.0	22 696	<u>ـــــ</u>	Stony Pl	ain 696	m ASL					
918.0	766	19.2	2.2	32	4.91	320	3	299.6	314.5 300.5	
902.0	914	1/.0	1.3	33	4.69	335	12	299.5	313.8 300.3	
869.8	1219	14.4	-0.5	30	4.27	255	12	299.3	312.4 300.1	
020.0	1413	12.4	-1.0	30	4.02	200	13	299.1	211.4 299.9	
030.7 808 3	1924	8 5	-1.0	40	4.05	275	12	299.2	311.5 299.9	
770 0	2134	5.6	-2.2	56	4.05	275	21	299.5	Normand's rule):
765.0	2134	4.2	-2.0	60	4.00	275	21	299.4	311	
750.5	2438	2.8	-3.8	62	3.87	275	25	299.5	311 Find the I CI	
722.5	2743	0.0	-5.7	65	3.48	265	26	299.8	310 graphically as f	the
700.0	2998	-2.3	-7.3	69	3.17	260	29	299.9	graphically as I	ne
671.0	3333	-5.3	-8.1	81	3.11	260	31	300.2	309 intersection of	the
643.7	3658	-7.8	-11.3	76	2.52	260	32	301.0	308 isohume that ru	ins
636.0	3752	-8.5	-12.2	75	2.37	263	34	301.2	308 through curface	0
627.0	3863	-7.3	-17.3	45	1.58	267	36	303.8	309 UIIOUGII SUIIAC	5
620.0	3951	-6.3	-22.3	27	1.04	270	38	305.9	309 dewpoint with t	he dry
619.1	3962	-6.4	-22.6	27	1.02	270	38	305.9	309 adiabat that ru	ns
605.0	4143	-7.7	-26.7	20	0.72	270	39	306.4	308 through surface	
595.4	4267	-8.9	-28.4	19	0.62	270	39	306.4	308 through Surface	
583.0	4430	-10.5	-30.5	18	0.52	270	46	306.4	308 temperature	
572.3	4572	-11.1	-33.7	14	0.39	270	53	307.3	308.7 307.4	
550.0	4877	-12.5	-40.5	8	0.20	270	47	309.2	310.0 309.2	
534.0	5103	-13.5	-45.5	5	0.12	274	41	310.6	311.1 310.6	
528.4	5182	-14.2	-45.2	5	0.13	275	39	310.8	311.2 310.8	
500.0	5600	-17.7	-43.7	8	0.16	280	43	311.4	312.0 311.4	