

Das Witterungsjahr 1890 in Klagenfurt.

Von F. Seeland.

Monat Jahreszeit Jahr		Luftdruck in Millimeter				Luftwärme in Celsius °				Dunst- druck mm	Feuchtig- keit %	Bewölkung	Herrschender Wind	Niederschlag			Tage		Darunter mit					Ozon 7h 9h	Grund- wasser Meter	Magnetische Declination		Sonnenschein			Schnee- höhe mm				
		Grösster	am	Kleinsten	am	Mittel	Grösste	am	Kleinste					am	Mittel	Summe	Grösster in 24h	am	heiter	halb heiter	trüb	Nieder- schlag	Schnee			Hagel	Gewitter	Sturm	0	'		Stunden	%	Inten- sität	
December 1889	738.7	17.	717.3	11.	729.90	2.0	13.	-14.2	10.	-5.46	2.7	88.2	7.8	NE	23.2	9.2	29.	3	4	24	10	10	0	0	6.6	4.4	438.223	10	3.5	19.9	7.6	1.5	292		
Jänner 1890	743.7	17.	709.9	23.	727.70	6.8	24.	-13.3	19.	-3.74	3.1	85.7	6.1	NE	8.8	3.6	27.	10	4	17	7	4	0	0	1.6	4.0	437.812	10	2.4	55.7	19.9	2.0	44		
Februar	733.6	23.	719.5	28.	728.63	2.0	7.	-14.2	9.	-4.78	2.8	84.5	5.7	NE	9.3	5.6	12.	14	1	13	4	4	0	0	1.7	0.4	437.408	10	2.0	100.0	35.3	2.6	107		
März	734.6	11.	707.6	19.	721.75	19.4	29.	-15.0	4.	3.07	4.3	71.2	4.3	NW	32.8	13.1	20.	13	9	9	10	2	0	1	7.3	4.2	437.182	10	1.3	172.1	46.6	2.5	31		
April	728.7	21.	707.0	8.	718.53	18.2	20.	-15.0	4.	3.07	4.3	71.2	4.3	NW	32.8	13.1	20.	13	9	9	10	2	0	1	7.3	4.2	437.182	10	1.3	172.1	46.6	2.5	31		
Mai	727.8	16.	708.0	8.	719.32	25.0	20.	-15.0	4.	3.07	4.3	71.2	4.3	NW	32.8	13.1	20.	13	9	9	10	2	0	1	7.3	4.2	437.182	10	1.3	172.1	46.6	2.5	31		
Juni	727.8	4.	715.6	30.	723.44	29.2	27.	-15.0	4.	3.07	4.3	71.2	4.3	NW	32.8	13.1	20.	13	9	9	10	2	0	1	7.3	4.2	437.182	10	1.3	172.1	46.6	2.5	31		
Juli	727.8	31.	709.2	1.	722.43	29.5	18.	-15.0	4.	3.07	4.3	71.2	4.3	NW	32.8	13.1	20.	13	9	9	10	2	0	1	7.3	4.2	437.182	10	1.3	172.1	46.6	2.5	31		
August	728.2	1.	712.1	25.	722.48	29.2	20.	-15.0	4.	3.07	4.3	71.2	4.3	NW	32.8	13.1	20.	13	9	9	10	2	0	1	7.3	4.2	437.182	10	1.3	172.1	46.6	2.5	31		
September	733.2	26.	719.4	1.	727.74	22.8	24.	-15.0	4.	3.07	4.3	71.2	4.3	NW	32.8	13.1	20.	13	9	9	10	2	0	1	7.3	4.2	437.182	10	1.3	172.1	46.6	2.5	31		
October	734.8	13.	713.2	27.	725.23	22.0	1.	-15.0	4.	3.07	4.3	71.2	4.3	NW	32.8	13.1	20.	13	9	9	10	2	0	1	7.3	4.2	437.182	10	1.3	172.1	46.6	2.5	31		
November	734.3	—	705.3	—	721.52	9.7	24.	-15.0	4.	3.07	4.3	71.2	4.3	NW	32.8	13.1	20.	13	9	9	10	2	0	1	7.3	4.2	437.182	10	1.3	172.1	46.6	2.5	31		
Winter	739.0	—	715.6	—	728.74	3.6	—	-13.9	—	-4.66	2.9	86.1	6.5	NE	41.3	6.1	—	27	9	54	21	18	0	0	6.7	4.4	437.814	10	2.6	175.6	20.9	2.0	443		
Frühling	730.4	—	707.5	—	719.87	20.9	—	-3.6	—	-8.90	6.0	67.2	5.0	W	224.6	21.1	—	34	28	30	41	2	0	9	8	7.3	4.6	437.281	10	0.7	566.2	45.1	2.4	31	
Sommer	712.3	—	712.3	—	722.78	23.3	—	-10.2	—	-18.31	10.7	68.5	4.6	W	320.2	30.0	—	38	31	23	39	0	1	18	5	6.6	4.6	437.267	10	0.7	787.4	56.0	2.5	—	
Jbst	734.1	—	712.6	—	724.83	18.2	—	-7.8	—	-6.92	6.3	80.1	6.0	NW	339.6	36.4	—	25	18	48	33	10	0	2	1	6.4	4.8	436.997	9	58.2	303.8	29.2	1.7	1064	
Jhr 1890	733.2	—	712.0	—	724.05	16.5	—	-3.8	—	-7.37	6.5	75.5	5.5	—	925.7	23.4	—	124	86	155	134	30	1	29	16	6.8	4.6	437.339	10	0.5	1833.0	37.8	2.1	1538	

Station Klagenfurt.

Dauer des Sonnenscheins. (Autograph: System Campbell Stockes.)

Monat, Jahreszeit, Jahr																			Jahr 1890.						
																			Summe	Vor- mittag	Nach- mittag	Tages- mittel	Tages- länge	Sonnenschein	
																			S t u n d e n				0/0	Intensit (1-3)	
December 1889																			19.9	21	43	0.64	8.4	7.64	1.5
Jänner 1890																			55.7	39	1.41	1.80	8.8	19.92	2.0
Februar																			100.0	1.07	2.49	3.56	10.2	35.31	2.6
März																			172.1	2.68	2.88	5.56	11.9	46.65	2.5
April																			147.5	2.44	2.48	4.92	13.6	36.22	2.4
Mai																			246.6	4.60	3.37	7.97	15.2	52.42	2.3
Juni																			243.4	4.06	4.04	8.10	15.9	50.52	2.4
Juli																			260.0	4.13	4.27	8.40	15.6	53.77	2.4
August																			284.0	4.52	4.64	9.16	14.2	63.84	2.6
September																			120.1	1.98	2.02	4.00	12.5	32.45	2.5
October																			161.0	2.57	2.61	5.18	10.8	47.09	2.0
November																			22.7	21	52	0.73	9.2	8.13	0.5
Winter																			175.6	5.6	1.44	2.00	9.1	20.96	2.0
Frühling																			566.2	3.24	2.91	6.15	13.6	45.10	2.4
Sommer																			787.4	4.24	4.32	8.56	15.2	56.14	2.5
Jbst																			303.8	1.59	1.72	3.30	10.8	29.22	1.7
Jhr 1890																			1833.0	2.41	2.59	5.00	12.2	37.85	2.1

Meteorologische Tabellen 1891.

Magnetische und meteorologische Beobachtungen
zu Klagenfurt
von
Ferd. Seeland.

Uebersichten der Witterung in Kärnten

vom k. k. Central-Observatorium
zu Wien.

Stunden-Beobachtungen

mit dem
Baro-, Thermo- und Heliographen
und das
Witterungsjahr 1891 zu Klagenfurt
von
Ferd. Seeland.

Magnetische Declinations-Beobachtungen zu Klagenfurt

von

December.

F. Seeland.

1890.

Tag	Declination zu Klagenfurt					an fremden Stationen				Stand des Grund- wassers im Hause Nr. 459 m Seehöhe
	7 ^h	2 ^h	9 ^h	Tages- Mittel	Tages- Variation	Pol- 10° +	Kremsmün- ster 10° +	Wien 9° +	Ofen 8° +	
	9° + Min				Min.	Minuten				
1.	58.2	59.6	56.8	58.2	2.8	12.1	21.46	62.4	**) 437.101	
2.	56.8	58.9	56.8	57.5	2.1	12.6	20.86	61.9	437.096	
3.	57.5	59.6	58.2	58.4	2.1	12.6	20.04	62.3	437.101	
4.	58.2	60.3	58.9	59.1	2.1	12.9	20.52	62.8	437.106	
5.	56.8	59.6	50.7*	55.7	8.9	13.8	20.34	62.2	437.111	
6.	56.8	60.3	56.8	58.0	1.5	13.2	20.20	62.5	437.113	
7.	57.5	58.9	55.5	57.3	3.4	13.4	20.23	62.2	437.111	
8.	56.2	56.8	58.9	57.3	2.7	13.1	19.80	61.8	437.106	
9.	55.5	58.2	53.4	55.7	4.8	12.7	20.68	62.4	437.106	
10.	55.5	56.8	54.8	55.7	2.0	12.9	19.21	62.3	437.106	
11.	55.5	56.2	55.5	55.7	0.7	13.4	19.96	62.4	437.101	
12.	54.8	58.2	54.8	55.9	3.4	13.6	19.97	62.2	437.096	
13.	54.1	56.0	52.1*	54.1	3.9	13.6	20.59	61.1	437.096	
14.	55.5	57.5	54.1	55.7	3.4	13.6	19.29	61.8	437.101	
15.	55.5	57.5	55.5	56.2	2.0	13.6	20.50	62.3	437.101	
16.	56.2	57.5	54.1	55.9	3.4	12.4	20.28	62.7	437.101	
17.	54.8	56.9	52.1	54.6	4.8	12.4	20.56	62.7	437.096	
18.	54.8	58.2	53.5	55.5	4.7	12.3	20.89	62.5	437.091	
19.	54.7	57.5	55.5	55.9	2.8	12.6	21.26	63.1	437.086	
20.	54.1	57.5	54.1	55.2	3.4	12.3	21.02	61.0	437.086	
21.	54.8	58.2	54.8	55.9	3.4	12.1	21.36	63.0	437.086	
22.	54.1	56.9	53.5	54.8	3.4	—	21.11	63.0	437.081	
23.	54.1	56.9	53.5	54.8	3.4	—	21.31	61.4	437.081	
24.	52.1	55.5	52.1	53.2	4.4	11.5	20.83	62.6	437.076	
25.	52.8	56.2	52.8	53.9	3.4	12.3	20.12	62.4	437.076	
26.	54.2	56.2	52.1	54.2	4.1	12.3	20.81	62.2	437.076	
27.	52.8	54.8	52.8	53.5	2.0	12.6	20.62	62.4	437.071	
28.	54.2	56.2	52.8	54.4	3.4	13.2	20.26	62.4	437.066	
29.	54.8	56.9	53.5	55.1	3.4	13.3	20.23	62.8	437.066	
30.	52.8	57.6	52.1	54.2	5.5	13.4	20.31	62.1	437.061	
31.	52.8	56.2	53.5	54.2	3.4	—	20.00	62.0	437.056	
Mittel	55.1	57.5	54.3	55.7	3.3	12.9	20.49	62.28	437.090	

mar 9° 55' 7", mit dem

Die magnetische Declination in Klagenfurt war 9° 55.7', mit dem Maximum 9° 59.1' am 4. und dem Minimum 9° 53.2' am 24.
Die mittlere Tagesvariation betrug 3.3'; mit dem Maximum 8.9' am und dem Minimum 0.7' am 11.

Am 5. und 13. war Störung.

*) Die Lücken wurden durch Störung der Gasleitung verursacht.
**) Wegen Ueberstellung der Instrumente wird bis Jänner nicht beobachtet.

Meteorologische Beobachtungen zu Klagenfurt

Tag	Luftdruck Millim. 700 +					Luftwärme Celsius °					Ozon		Sonnenschein %
	7 ^h	2 ^h	9 ^h	Mittel	Abwei- chung	7 ^h	2 ^h	9 ^h	Mittel	Abwei- chung	7 ^h	9 ^h	
1.	32.9	29.2	28.9	30.3	+ 7.6	- 6.5	- 2.4	- 2.9	- 3.9	- 3.6	8	7	—
2.	25.1	22.4	19.5	22.3	- 0.5	- 1.5	0.8	0.5	- 0.1	- 1.1	7	5	—
3.	15.0	14.0	14.5	14.5	- 8.3	0.4	2.4	1.3	1.4	+ 2.9	7	4	—
4.	17.9	19.3	20.5	19.2	- 3.7	- 1.6	1.8	- 2.7	- 0.8	- 1.1	7	4	50.6
5.	19.9	19.0	18.5	19.1	- 3.8	- 5.7	- 2.3	- 5.6	- 4.5	- 2.3	8	4	5.9
6.	18.7	18.7	20.0	19.1	- 3.8	- 4.2	- 1.4	- 1.8	- 2.5	- 0.2	5	5	—
7.	22.3	23.5	24.5	23.4	+ 0.4	1.7	- 0.5	- 1.6	- 1.3	+ 1.1	7	4	—
8.	24.5	24.8	25.8	25.0	+ 2.0	- 1.7	0.6	- 2.8	- 1.7	+ 0.8	7	5	—
9.	27.9	28.4	29.5	28.6	+ 5.6	- 4.8	- 2.0	- 4.5	- 3.8	- 1.2	8	4	—
10.	29.3	27.1	27.4	27.9	+ 4.8	- 6.7	- 5.2	- 9.5	- 7.1	- 4.4	8	4	19.0
11.	28.0	26.7	26.9	27.2	+ 4.1	- 12.1	- 7.8	- 11.5	- 10.5	- 7.6	8	5	22.6
12.	24.5	24.6	26.5	25.2	+ 2.0	- 8.7	- 6.4	- 10.6	- 8.6	- 8.5	7	5	17.8
13.	26.8	25.9	26.5	26.4	+ 3.2	- 15.9	- 12.5	- 15.0	- 14.5	- 11.1	6	6	—
14.	27.0	26.4	25.5	26.3	+ 3.1	- 16.6	- 11.9	- 14.9	- 14.5	- 10.9	8	6	54.2
15.	23.0	21.4	21.4	21.9	- 1.4	- 13.3	- 10.5	- 10.8	- 11.5	- 7.8	7	5	—
16.	20.8	20.9	20.9	20.9	- 2.4	- 15.8	- 12.0	- 15.2	- 14.3	- 10.4	8	6	71.1
17.	18.7	16.3	15.6	16.9	- 6.5	- 16.9	- 10.2	- 9.1	- 12.1	- 8.0	7	5	—
18.	16.3	16.7	17.2	16.7	- 6.7	- 7.6	- 4.4	- 6.5	- 6.2	- 1.8	8	4	—
19.	18.8	19.5	20.6	19.6	- 3.8	- 9.8	- 6.6	- 9.8	- 8.7	- 4.0	7	4	—
20.	23.3	24.7	27.1	25.0	+ 1.5	- 8.7	- 4.4	- 9.3	- 7.5	- 2.4	6	4	16.9
21.	30.4	31.5	32.9	31.6	+ 8.1	- 9.7	- 8.0	- 10.3	- 9.3	- 3.8	6	4	—
22.	32.3	30.2	28.7	30.4	+ 6.9	- 13.8	- 12.4	- 14.4	- 13.4	- 7.8	7	4	16.9
23.	24.4	21.6	21.2	22.4	+ 1.2	- 11.4	- 8.0	- 7.8	- 9.1	- 3.5	7	4	—
24.	21.3	22.2	23.4	22.3	- 1.3	- 7.5	- 3.1	- 4.7	- 5.1	+ 0.5	8	5	—
25.	25.2	26.2	27.8	26.4	+ 2.8	- 5.3	- 2.2	- 3.3	- 3.6	+ 1.8	7	6	—
26.	28.9	29.4	29.8	29.4	+ 5.8	- 3.6	- 0.4	- 2.1	- 2.0	+ 3.3	8	6	—
27.	30.8	31.1	32.1	31.3	+ 7.6	- 3.4	- 2.9	- 7.2	- 4.5	+ 0.8	8	12	—
28.	33.0	32.6	33.2	32.9	+ 9.2	- 9.3	- 7.5	- 16.0	- 10.8	- 5.3	12	4	44.7
29.	32.8	30.5	31.0	31.4	+ 7.7	- 21.3	- 16.6	- 16.4	- 18.1	- 12.3	8	4	36.1
30.	31.5	32.3	33.7	32.5	+ 8.8	- 14.2	- 10.3	- 11.1	- 11.9	- 4.3	7	5	—
31.	35.1	35.1	35.4	35.2	+ 11.4	- 10.6	- 7.9	- 9.6	- 9.4	- 2.9	8	6	26.2
Mitt.	25.37	24.91	25.34	25.21	+ 2.00	- 8.68	- 5.66	- 7.90	- 7.41	- 3.52	7.4	5.0	12.32
											6.2		

Am 10. hat der Eislauf am Kreuzberg begonnen und ebenso am Lend-
canal; am 30. frohr der mittlere Theil des Wörthersee's zu.

im December 1890. Von F. Seeland.

Dunstdruck Millimeter				Luftfeuchtigkeit in Proc. d. Sätt.				Bewölkung 0=rein, 10=trüb				Winde 0=ruhig, 10=Sturm			Nieder- schlag	Schneehöhe
7 ^h	2 ^h	9 ^h	Mittel	7 ^h	2 ^h	9 ^h	Mittel	7 ^h	2 ^h	9 ^h	Mittel	7 ^h	2 ^h	9 ^h	$\frac{mm}{m}$	$\frac{mm}{m}$
2.5	3.7	3.2	3.1	90	96	87	91	10	10*	10	10	NE ¹	NE ¹	NE ¹	*	—
3.9	4.9	4.5	4.2	94	89	94	92	10	10*	10	10	E ¹	SE ¹	SW ¹	5.0 *	25
4.3	5.0	4.6	4.6	90	91	91	91	10*	10*	10	10	SW ¹	NW ¹	NW ¹	7.3 *	13
3.9	4.3	3.6	3.9	96	82	96	91	10	0	10	7	NW ¹	NW ¹	NE ¹	1.0	—
2.6	3.6	2.8	3.0	87	94	93	91	10	4	10	5	NE ¹	NE ²	NE ¹	—	—
3.0	4.0	3.8	3.6	91	96	94	94	10	10	10	10	SE ¹	NE ¹	SE ¹	0.4 *	4
3.7	3.8	3.7	3.7	92	86	92	90	10	10	10	10	NE ¹	SE ¹	SW ¹	—	—
3.4	3.7	3.4	3.5	84	85	92	87	10	10	10	10	N ¹	NW ¹	NW ¹	—	—
2.7	2.6	3.0	2.8	86	92	93	90	10	10	10	10	NE ¹	NE ¹	NW ¹	—	—
2.3	2.8	2.0	2.4	84	98	91	89	10	2	0	4	W ¹	NW ¹	W ¹	—	—
1.5	2.1	1.6	1.7	85	83	85	84	10	0	0	3	SE ¹	SE ¹	NE ¹	—	—
1.9	2.3	1.4	1.9	82	84	73	80	10	0	0	3	SW ¹	SW ¹	SW ¹	—	—
1.1	1.4	1.1	1.2	85	85	77	82	0	0	0	3	NE ¹	SE ¹	NE ¹	—	—
0.8	1.4	1.2	1.1	65	81	82	76	10	0	0	3	NW ¹	SE ¹	NE ¹	—	—
1.3	1.8	1.6	1.6	84	90	83	86	10*	10*	10*	10	NW ¹	NW ¹	NE ¹	1.3 *	35
0.8	1.4	1.0	1.1	62	81	72	72	3	0	0	1	SW ¹	NE ¹	NE ¹	0.6	28
0.9	1.9	2.0	1.6	79	93	88	87	10	10	10*	10	NE ¹	NE ¹	NW ¹	— *	—
2.2	3.0	2.5	2.6	86	93	90	90	0*	10	10	10	NE ¹	NE ¹	NE ¹	5.2 *	75
1.7	2.6	1.8	2.0	81	95	84	87	10	10	0	7	NE ¹	NE ¹	NE ¹	—	—
1.8	3.1	2.1	2.3	79	95	97	90	10	0	0	3	SE ¹	NE ¹	NW ¹	1.3 *	13
1.7	2.4	1.7	1.9	81	97	83	87	10	10	0	7	NW ¹	NW ¹	NW ¹	—	—
1.2	1.4	1.2	1.3	79	81	79	80	10	0	0	3	N ¹	SE ¹	SE ¹	—	—
1.6	2.3	2.1	2.0	85	94	86	88	0	10	10*	10	E ¹	NE ¹	NE ¹	6.7 *	80
2.3	3.5	2.8	2.9	92	98	88	93	10	10	10*	10	NE ¹	SE ¹	E ¹	1.2 *	12
2.8	3.7	3.3	3.3	93	96	94	94	10*	10	10	10	NE ¹	NE ¹	NE ¹	0.5 *	5
3.3	4.4	3.6	3.8	93	98	92	93	10*	10	10	10	NE ¹	NE ¹	NE ¹	Spur *	—
3.2	3.4	2.4	3.0	91	94	93	93	10	10	9	10	NE ¹	NE ²	NE ²	—	—
1.8	2.2	1.0	1.7	78	86	81	82	10	0	0	3	NE ¹	NE ²	NE ¹	—	—
0.6	1.0	0.9	0.8	71	80	70	74	10	0	10*	7	NE ¹	NE ¹	NE ¹	*	—
1.9	1.9	1.7	1.6	74	93	89	85	10*	10*	10*	10	SE ¹	SE ¹	NE ¹	0.2 *	2
1.6	2.3	1.7	1.9	80	92	81	84	10	0	10	7	NW ¹	NE ¹	NW ¹	4.0	70
2.18	2.82	2.36	2.45	83.8	90.0	87.1	87.0	9.8	6.0	6.1	7.3	1.0	1.1	1.0	34.7	362

Grundwasserstand in Klagenfurt:

K. k. Militärspital	438.910 Meter.
Seelandbrunnen	437.090 „
Friedhofbrunnen	436.887 „
Wörtherseespiegel	441.333 „

Höchster Pegelstand am 2. u. 4.	441.388 „
Tiefster „ „ 31.	441.278 „

Draupegel an der Hollenburgbrücke (Opunkt 425.89 m) = 425.85 m
Maximum 425.96 m, Minimum 425.77 m.

Vorläufige Uebersicht der Witterung in Kärnten im December 1890 vom Central-Observatorium in Wien.

Stationen	Seehöhe Meter	Luftdruck in Millimeter					Luftwärme Celsius "					Luft- druck mm	Feuch- tigkeit %	Wolkung	Herr- schender Wind	Niederschlag			Tage		Temperatur mit					
		vorher	am	kleinst.	am	Mittel	Grösste	am	kleinste	Mittel	Summe					Grösste in 24h	heiter h. heiter m.	regnet m.	Nieder- schlag mm	heiter mm	Regen mm	Gewitt. mm	Sturm			
Klagenfurt I	448	735.4	31.	714.0	3.	725.2	2.4	3.	-21.3	29.	-7.4	2.2	87	7.3	NE	35	7	3	—	—	2.21	14	14	0	0	0
dto. II	504	—	—	—	—	—	3.4	3.	-18.6	29.	-7.2	—	—	8.7	NW	—	—	—	0	—	2.21	—	—	—	—	—
Kappel a. d. Drau	441	—	—	—	—	—	2.0	3.	-23.6	29.	-8.1	—	—	8.1	SE	35	9	24.	3	—	4.24	11	11	0	0	0
Snager	486	—	—	—	—	—	1.6	3.	-21.8	29.	-7.3	—	—	—	—	47	15	2.	—	—	—	10	8	0	0	0
Unterdranburg	343	—	—	—	—	—	3.6	3.	-23.0	29.	-6.5	—	—	6.4	W	32	12	2.	12	3	16	5	4	0	0	0
Liescha	552	725.5	31.	704.9	3.	715.3	3.2	4.	-20.0	29.	-6.7	—	—	6.6	W	36	23	1.	3	12	6	11	8	0	0	0
Bad Vellach	843	—	—	—	—	—	4.0	4.	-20.5	29.	-8.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Eisenkappel	554	—	—	—	—	—	2.8	4.	-20.6	29.	-7.5	—	—	—	—	44	14	2.	—	—	—	11	11	0	0	0
Obir	2047	597.9	1.	581.2	17.	589.6	-0.2	2.	-21.3	12.	-9.4	2.2	94	4.8	NE	63	10	23.	14	2	15	12	12	0	0	1
St. Leonhard	730	—	—	—	—	—	5.8	3.	-20.0	29.	-6.2	—	—	6.1	N	21	13	30.	10	3	8	3	2	0	0	0
St. Andrä	432	—	—	—	—	—	3.2	3.	-26.2	29.	-6.9	2.9	96	7	SE	28	6	1.	2	8	21	12	9	0	0	1
St. Paul	394	734.4	1.	718.1	18.	726.6	3.0	3.	-24.2	29.	-7.0	2.4	91	6.5	—	38	12	22.	5	12	14	6	6	0	0	0
Stelzing	1410	—	—	—	—	—	2.8	3.	-16.6	29.	-7.2	—	—	5.9	SE	—	—	—	9	5	17	—	—	—	—	—
Knappenberg	1045	—	—	—	—	—	2.6	4.	-18.6	29.	-8.2	—	—	5.1	E	25	8	17.	10	7	4	14	13	0	0	0
Hüttenberg	783	704.3	31.	682.3	17	693.3	2.5	5.	-18.0	29.	-6.3	—	—	5.0	W	11	7	18.	10	8	13	2	2	0	0	0
Guttlaring	642	—	—	—	—	—	2.0	4.	-22.5	29.	-8.9	—	—	6.1	—	25	11	17.	8	5	8	5	5	0	0	0
Lind	526	—	—	—	—	—	0.0	3.	21.0	29.	-7.9	—	—	7.4	NE	4	1	2.	3	5	23	5	5	0	0	0
Pörtschach	464	—	—	—	—	—	2.2	4.	-19.4	29.	-6.9	—	—	6.9	W	—	—	—	4	7	20	8	6	0	0	0
Radweg	692	—	—	—	—	—	2.8	4.	-18.0	29.	-7.6	—	—	7.1	W	39	9	2.	5	5	21	14	14	0	0	0
Sirnitz	800	—	—	—	—	—	2.9	3.	-18.2	29.	-6.8	—	—	6.2	—	40	9	2.	8	9	17	10	8	0	0	0
Reichenau	1059	—	—	—	—	—	2.4	3.	-20.4	14.	-8.7	—	—	5.0	—	9	3	2.	9	9	13	7	7	0	0	0
Bad Villach	488	—	—	—	—	—	5.2	2.	-19.2	16.	-5.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Bleiberg	927	691.1	31.	672.1	3.	681.9	3.5	4.	-20.3	29.	-9.0	2.2	87	4.0	NE	122	38	2.	14	6	11	5	5	0	0	0
Villach Stadt	501	729.4	31.	707.5	3.	718.5	3.0	4.	-21.9	29.	-8.2	2.4	95	7.0	W	75	39	2.	9	3	19	10	10	0	0	0
Seeland	860	—	—	—	—	—	4.8	4.	-19.5	29.	-6.8	—	—	6.0	S	68	28	2.	11	4	16	9	7	0	0	0
Raibl	981	—	—	—	—	—	4.0	4.	-17.0	12.	-7.0	—	—	6.0	N	102	50	2.	8	8	15	9	9	0	0	0
Spital a. d. D.	554	724.0	31.	702.4	3.	713.6	1.8	3.	-20.8	14. u. 16	-8.6	—	—	7.3	SE	59	26	2.	6	7	22	9	7	0	0	0
Waidegg	640	—	—	—	—	—	1.0	4.	-22.4	16.	-9.4	—	—	3.4	NE	—	—	—	18	3	6	8	8	0	0	0
Cornat	1067	679.1	31.	660.7	17.	670.0	4.2	5.	-17.3	29.	-7.9	—	—	4.5	NE	251	82	2.	15	3	1	10	10	0	0	0
Völkermarkt	461	—	—	—	—	—	2.2	3.	-23.6	29.	-7.9	—	—	7.9	S	34	10	2.	5	3	23	12	10	0	0	0
Oberdrauburg	610	—	—	—	—	—	1.0	3.	-25.0	16	-10.2	—	—	5.1	NW	104	49	2	12	3	16	9	9	0	0	0
Greifenburg	626	—	—	—	—	—	2.0	3.	-22.2	16.	9.0	—	—	5.8	—	69	34	2.	9	5	17	4	4	0	0	0
Theissenegg	1124	—	—	—	—	—	1.4	2.	-16.0	29.	-8.0	—	—	6.1	NE	24	4	17.	10	6	15	8	7	0	0	0
Gmünd	728	—	—	—	—	—	1.0	3.	-26.0	16.	-9.8	—	—	2.9	—	30	18	2.	20	2	9	2	2	0	0	0
St. Peter i. K.	1217	—	—	—	—	—	1.4	5.	-19.4	29.	-9.6	—	—	5.4	N	52	20	1.	9	6	16	13	12	0	0	0
Maltein	824	—	—	—	—	—	-0.5	2.	-19.7	16.	-8.1	—	—	3.9	—	28	20	1.	17	5	9	2	2	0	0	0
Sonnblick	3093	521.5	31.	505.2	18.	514.1	-6.8	4.	-26.2	13.	-14.1	—	77	4.3	W	152	46	2.	17	3	11	10	10	0	11	—

Magnetische Declinations-Beobachtungen zu Klagenfurt

von

Jänner.

F. Seeland.

1891.

Tag	Declination zu Klagenfurt					an fremden Stationen				Stand des Grundwassers im Hause Nr. 459
	7 ^h	2 ^h	9 ^h	Tages-Mittel	Tages-Variation	Pola 10° +	Kremsmünster 10° +	Wien 8° +	Ofen 8° +	
	9° + Min.				Min.	Minuten				m Seehöhe
1.	52.1	56.2	55.5	54.6	4.1	—	19.19	64.0	*)	437.056
2.	55.5	58.3	55.5	56.4	2.8	13.3	20.10	64.2		437.046
3.	55.5	56.2	54.2	55.3	2.0	12.2	20.62	63.7		437.041
4.	53.5	56.2	53.5	54.4	2.7	12.8	19.42	64.1		437.026
5.	55.5	56.9	53.5	55.3	3.4	12.2	20.68	64.4		437.021
6.	52.8	56.2	52.8	53.9	3.4	11.7	19.46	63.4		437.016
7.	52.8	56.9	52.8	54.2	4.1	11.3	20.32	63.9		437.006
8.	53.5	56.9	53.5	54.6	3.4	12.2	20.57	63.6		437.006
9.	54.9	56.9	53.5	55.1	3.4	11.5	20.53	63.9		437.001
10.	52.8	55.5	53.5	53.9	2.7	11.6	20.35	63.6		437.016
11.	52.8	55.5	51.5	53.3	4.0	11.5	20.60	64.0		437.031
12.	52.8	54.2	52.8	53.3	1.4	11.8	22.47	63.6		437.046
13.	52.8	59.6	52.9	55.1	6.8	11.7	21.23	63.7		437.051
14.	52.1	56.9	51.5	53.5	5.4	12.3	21.60	63.6		437.041
15.	52.1	53.5	50.1	51.9	3.4	12.1	21.72	63.1		437.031
16.	52.8	55.5	52.8	53.7	2.7	12.4	22.05	64.0		437.016
17.	52.1	54.9	51.5	51.8	3.4	12.0	22.21	63.9		437.011
18.	51.5	54.9	50.8	52.4	4.1	11.3	22.27	62.5		437.001
19.	52.1	55.5	52.8	53.5	3.4	11.9	21.11	63.0		436.996
20.	52.1	55.5	51.5	53.0	4.0	12.3	22.71	64.8		436.996
21.	51.5	53.5	51.5	52.2	2.0	11.8	21.87	63.8		437.976
22.	51.5	54.3	50.1	52.0	4.2	11.5	21.94	63.5		436.964
23.	50.8	54.2	50.8	51.9	3.4	12.2	22.33	64.1		436.956
24.	50.8	56.2	50.8	52.6	5.4	12.7	23.01	64.9		436.951
25.	50.8	56.2	50.5	52.5	5.7	11.6	21.49	63.4		436.961
26.	51.5	56.2	52.1	53.3	4.7	11.6	21.95	63.9		436.956
27.	52.8	55.5	51.5	53.3	4.0	11.9	21.89	64.1		436.961
28.	51.5	56.9	51.5	53.3	5.4	12.0	21.44	64.2		436.958
29.	50.8	57.6	53.5	54.0	6.8	12.3	20.43	63.9		436.958
30.	52.8	56.9	51.5	53.7	5.4	12.4	20.98	64.1		436.946
31.	52.8	56.9	54.2	54.6	4.1	12.3	22.27	64.0		436.976
Mittel	52.6	56.0	52.4	53.7	3.9	12.0	21.25	63.84		437.001

Die magnetische Declination in **Klagenfurt** war 9° 53.7'; mit dem Maximum 9° 56.4' am 2. und dem Minimum 9° 51.8' am 17.

Die Tagesvariation betrug 3.9'; mit dem Maximum 6.8' am 29. und dem Minimum 1.4' am 12.

*) Beobachtungen fehlen.

Meteorologische Beobachtungen zu Klagenfurt

Tag	Luftdruck Millim. 700 +					Luftwärme Celsius °					Ozon		Sonnenschein %
	7 ^h	2 ^h	9 ^h	Mittel	Abwei- chung	7 ^h	2 ^h	9 ^h	Mittel	Abwei- chung	7 ^h	9 ^h	
1.	34.4	33.5	34.0	34.0	+10.2	-10.1	-6.0	-13.9	-10.0	-3.2	7	5	9.6
2.	33.6	31.8	32.3	32.6	+8.8	-19.3	-12.6	-15.6	-15.8	-9.9	7	6	73.8
3.	33.1	32.1	32.1	32.4	+8.6	-21.0	-12.6	-15.8	-16.5	-9.7	7	4	41.7
4.	30.3	27.1	25.9	27.8	+4.0	-20.2	-13.4	-16.5	-16.7	-10.0	7	4	36.9
5.	23.4	20.1	18.4	20.6	-3.2	-19.7	-11.2	-9.7	-13.5	-6.9	7	4	—
6.	17.6	17.8	19.0	18.1	-5.8	-7.6	-4.5	-6.5	-6.2	+0.1	7	4	—
7.	19.2	18.6	17.8	18.5	-5.4	-7.3	-5.1	-6.9	-6.4	-0.2	8	6	—
8.	17.7	17.8	18.8	18.1	-5.8	-8.3	-6.8	-7.0	-7.4	-1.3	7	5	—
9.	17.7	18.0	18.6	18.1	-5.8	-7.8	-5.3	-5.5	-6.2	-0.2	5	6	—
10.	21.2	23.3	26.5	23.7	-0.2	-5.7	-1.8	-3.9	-3.8	+2.2	7	4	—
11.	29.5	31.7	33.6	31.6	+7.7	-4.3	-0.5	-2.8	-2.5	+4.1	7	5	—
12.	34.2	31.5	30.5	32.1	+8.2	-6.9	-4.6	-5.4	-5.6	+0.4	7	5	—
13.	32.8	34.1	33.6	33.5	+9.6	-5.6	-0.3	-4.2	-3.4	+2.6	8	4	3.5
14.	28.4	22.0	21.2	23.9	0.0	-5.9	-4.9	-8.4	-6.4	-0.3	8	5	—
15.	18.0	16.9	17.7	17.5	-6.4	-14.8	-11.4	-15.1	-13.8	-7.6	6	5	25.3
16.	18.6	16.7	15.7	17.0	-6.0	-13.7	-7.2	-8.9	-9.9	-3.5	7	5	—
17.	15.8	16.8	19.1	17.2	-6.6	-11.7	-7.8	-17.8	-12.4	-5.9	7	6	78.2
18.	21.5	21.7	21.9	21.7	-2.4	-24.2	-14.2	-14.9	-17.8	-11.3	7	4	—
19.	20.2	17.8	18.0	18.7	-5.1	-12.9	-7.8	-9.8	-10.2	-3.8	7	4	—
20.	20.7	2.6	21.5	21.3	-2.5	-10.3	-4.6	-9.3	-8.1	-2.0	7	5	53.9
21.	19.9	15.0	12.1	15.7	-8.1	-17.2	-9.6	-10.1	-12.3	-6.5	7	4	—
22.	12.0	12.4	15.0	13.1	-9.6	-12.7	-6.9	-14.1	-11.2	-5.8	7	5	77.8
23.	17.8	22.3	25.6	21.9	-1.8	-18.7	-10.6	-16.5	-15.3	-10.3	7	4	62.2
24.	27.8	27.2	26.8	27.3	+3.6	-17.7	-8.6	-9.1	-11.8	-6.9	7	5	—
25.	25.0	25.1	28.3	26.1	+2.4	-17.5	-7.7	-12.2	-12.5	-7.6	6	4	73.6
26.	30.7	30.8	31.0	30.8	+7.2	-18.5	-8.6	-12.8	-13.3	-8.3	7	4	53.2
27.	31.5	30.8	31.3	31.2	+7.6	-18.5	-7.8	-13.3	-13.2	-8.1	7	5	59.8
28.	32.8	33.9	33.2	33.3	+9.8	-19.6	-8.8	-12.8	-13.7	-8.5	7	5	53.2
29.	34.5	33.8	33.6	34.0	+7.5	-20.8	-9.8	-12.9	-14.5	-9.3	8	5	50.5
30.	34.7	34.4	34.8	34.6	+11.1	-20.7	-10.2	-12.8	-14.6	-9.6	8	4	44.7
31.	36.5	36.2	35.5	36.1	+12.7	-17.1	-6.0	-11.8	-11.6	-6.9	7	4	60.0
Mittel	25.52	24.93	25.27	25.24	+1.45	-14.07	-7.65	-10.85	-10.86	-4.97	7.0	4.7	2.77
											5.8		

Am 2. fror der untere See zu.

im Jänner 1891.

Von F. Seeland.

Dunstdruck Millimeter				Luftfeuchtigkeit in Proc. d. Sätt.				Bewölkung 0=rein, 10=trüb				Winde 0=ruhig, 10=Sturm			Nieder- schlag	Schneehöhe
7 ^h	2 ^h	9 ^h	Mittel	7 ^h	2 ^h	9 ^h	Mittel	7 ^h	2 ^h	9 ^h	Mittel	7 ^h	2 ^h	9 ^h	m/m	m/m
1.7	2.3	1.5	1.8	80	79	100	86	10	9	0	6	NW ¹	NW ¹	NE ¹	—	—
0.7	1.3	0.9	1.0	75	77	67	73	10	0	0	3	NE ¹	SE ¹	NE ¹	—	—
0.5	1.3	0.9	0.9	65	77	67	70	4	0	0	1	NE ¹	NE ¹	NE ¹	—	—
0.6	1.3	0.9	0.9	68	80	75	74	10	0	0	3	NE ¹	SE ¹	NE ¹	—	—
0.5	1.8	1.9	1.4	50	93	91	78	5	10	10*	8	NE ¹	NE ¹	NE ¹	—*	—
2.3	2.7	2.5	2.5	92	84	90	89	10*	10	10*	10	SW ¹	SE ¹	SW ¹	5.2 *	86
2.4	3.0	2.5	2.6	92	98	92	94	10*	10*	10*	10	NE ¹	NE ¹	NE ¹	2.9 *	40
2.1	2.4	2.4	2.3	88	89	89	89	10	10*	10	10	SE ¹	SE ¹	SE ¹	9.4 *	135
2.1	3.0	2.6	2.6	86	98	87	90	10	10*	10*	10	SE ¹	SE ¹	SE ¹	4.0 *	65
2.7	3.9	3.0	3.2	90	98	91	93	10	10	10*	10	NW ¹	SE ¹	SE ¹	3.7 *	37
3.1	4.3	3.5	3.6	93	96	94	94	10	10	10	10	NW ¹	SW ¹	NW ¹	1.9 *	25
2.3	3.0	2.7	2.7	86	93	90	90	10	10*	10*	10	NW ¹	NW ¹	NE ¹	2.2 *	—
2.5	4.3	3.2	3.3	85	96	95	92	10	10	10	10	SW ¹	SW ¹	NW ¹	—	45
2.5	3.0	2.0	2.5	81	95	85	87	10	10	0	7	NW ¹	NE ¹	NW ¹	—	—
1.1	1.7	1.1	1.3	78	93	77	83	10	4	8	7	N ¹	NE ¹	NW ¹	—	—
1.2	2.3	2.1	1.9	75	90	91	85	10	10	10	10	NW ¹	SW ¹	NW ¹	—	—
1.3	2.1	0.8	1.4	75	86	73	78	0	0	0	3	NW ¹	NW ¹	N ¹	—	—
0.4	1.5	1.1	1.0	64	100	78	81	10	10*	10	10	NE ¹	NE ¹	SE ¹	0.9 *	—
1.3	2.2	1.9	1.8	81	89	91	87	10	10	10	10	NW ¹	NW ¹	NW ¹	0.3 *	22
1.8	2.9	1.9	2.2	87	90	84	87	7	4	9	7	W ¹	NW ¹	NE ¹	—	3
1.0	2.2	1.7	1.6	89	100	83	91	10	10	10*	10	SE ¹	SE ¹	NE ¹	0.8 *	—
1.6	2.3	1.2	1.7	92	86	79	86	5	0	0	2	NW ¹	SE ¹	NE ¹	—	10
0.7	2.0	1.0	1.2	71	100	85	85	3	0	0	1	NW ¹	NW ¹	NW ¹	—	—
0.9	2.2	0.2	1.7	78	94	88	87	3	6	10	6	NE ¹	NE ¹	SE ¹	—	—
0.8	2.1	1.1	1.3	98	83	69	83	0	0	0	0	NW ¹	NE ¹	NE ¹	—	—
0.8	1.9	1.1	1.3	78	82	69	76	0	0	0	0	NW ¹	SE ¹	NW ¹	—	—
0.7	2.1	1.4	1.4	72	83	88	81	0	0	0	0	NW ¹	NW ¹	NW ¹	—	—
0.7	1.9	1.7	1.4	75	82	100	86	0	0	0	0	NE ¹	NE ¹	NE	—	—
0.6	1.8	1.2	1.2	72	87	76	78	3	0	0	1	E ¹	NE ¹	NE ¹	—	—
0.6	1.6	1.1	1.2	72	93	69	78	5	0	0	2	NE ¹	NE ¹	NE ¹	—	—
0.9	2.6	1.3	1.6	79	90	71	80	1	0	0	0	SE ¹	NE ¹	NE ¹	—	—
1.37	2.37	1.75	1.83	79.5	89.7	83.4	84.2	6.1	5.3	5.1	5.7	1.0	1.0	1.0	31.3	418

Grundwasserstand in Klagenfurt:

K. k. Militärspital	438 650 Meter
Seelandbrunnen	437 001
Friedhofbrunnen	436 760
Wörtherseespiegel	441 243
Höchster Pegelstand am 1.	441 278
Tiefster „ „ 31.	441 188

Drauspiegel an der Hollenburgbrücke (Opunkt 425.89 m) 425.74 m
Maximum am 10. 425.85 m, Minimum am 26. u. 27. 425.68 m.

Stationen	Seehöhe Meter	Luftdruck in Millimeter					Luftwärme in		
		Grösster	am	Kleinst.	am	Mittel	Grösste	am	Kleinste
Klagenfurt I.	448	736·5	31.	715·7	16.	725·2	—0·3	13.	—24·2
dto II.	504	—	—	—	—	—	0·0	11.	—20·6
Kappel a. d. Drau	441	—	—	—	—	—	—0·7	11.	—23·2
Saager . .	486	—	—	—	—	—	—1·6	13.	—21·4
St. Michael .	495	—	—	—	—	—	—0·4	10.	—19·0
Liescha .	552	725·3	31.	701·9	21.22.	715·0	—0·2	11.	—16·8
Bad Vellach	843	—	—	—	—	—	—1·0	29. 31.	—16·0
Eisenkappel	554	—	—	—	—	—	—1·6	10.	—17·2
Obir .	2047	601·4	31.	577·3	21.	589·9	—2·2	2.	—22·4
St. Leonhard .	730	—	—	—	—	—	—1·6	25.	—19·0
St. Andrä .	432	—	—	—	—	—	1·1	11.	—22·2
St. Paul	394	738·1	31.	716·2	17.	728·3	—1·0	11.	—22·4
Stelzing	1410	—	—	—	—	—	2·6	27.	—16·6
Knappenberg	1045	—	—	—	—	—	2·6	27.	—21·3
Hüttenberg	783	705·4	31.	679·7	22.	693·1	1·6	27.	—17·0
Guttaring	642	—	—	—	—	—	—1·2	28.	—23·8
St. Peter i. K.	1217	—	—	—	—	—	2·6	25.	—21·4
Seeland . .	860	—	—	—	—	—	2·1	31.	—21·2
Spittal a. d. D.	554	725·4	31.	699·9	22.	713·5	—2·0	10.	—24·0
Villach Stadt	501	730·5	31.	705·1	21.	718·8	—0·3	11.	—28·2
Lind .	526	—	—	—	—	—	0·0	10.	—20·1
Pörtschach	464	—	—	—	—	—	—0·2	13.	—20·0
Radweg	692	—	—	—	—	—	—1·4	13.	—19·4
Sirnitz .	800	—	—	—	—	—	—0·2	31.	—18·0
Reichenau	1059	—	—	—	—	—	0·2	27.	—17·0
Bad Villach	488	—	—	—	—	—	—1·6	11.	—20·4
Bleiberg .	927	693·2	31.	669·1	22.	681·7	—0·6	24.	—21·5
Radenthein	738	—	—	—	—	—	—1·2	23.	—19·6
Theissenegg .	1124	—	—	—	—	—	0·8	27.	18·6
Raibl .	981	—	—	—	—	—	7·6	31.	—16·6
Waidegg	640	—	—	—	—	—	—1·4	23.	—22·8
Cornat . .	1067	681·2	31.	657·4	22.	669·9	4·3	27.	—21·5
Völkermarkt .	461	—	—	—	—	—	—1·1	11.	—23·6
Oberdrauburg	610	—	—	—	—	—	—0·4	23.	—22·8
Greifenburg	626	—	—	—	—	—	—1·6	27.	—23·0
Gmünd	728	—	—	—	—	—	—0·6	23.	—24·0
Maltein	824	—	—	—	—	—	—2·9	11.	—19·9
Sonnblick .	3093	525·9	31.	501·0	17.	514·1	—6·0	2.	—33·8

im Jänner 1881 vom Central-Observatorium in Wien.

Celsius °		Dunst- druck	Feuch- tigkeit	Bewölkung	Herr- schender Wind	Niederschlag			Tage			darunter mit				
am	Mittel	mm	o/o			Summe	Grösster in 24h	am	heiter	b. heiter	trüb	Nieder- schlag	Schnee	Hagel	Gewitter	Sturm
18.	—10·9	1·8	84	5·7	NE	31	9	8.	13	2	16	11	11	0	0	0
18.	— 9·5	—	—	7·0	NW	—	—	—	5	8	18	11	11	0	0	0
21.	—11·8	—	—	6·6	SE	24	6	6.	6	8	17	9	9	0	0	0
23.	— 9·8	—	—	—	—	34	9	7.	—	—	—	11	11	—	—	—
21.	— 9·2	—	—	4·4	W	44	13	8.	15	3	13	8	8	0	0	0
18.	— 7·9	—	—	5·5	W	56	19	5.	12	5	14	10	10	0	0	0
14. 17.	— 9·1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18. 21.	— 9·2	—	—	—	—	57	17	5.	—	—	—	10	10	0	0	0
17.	—10·8	1·9	95	4·8	NW	115	16	9.	12	7	12	15	15	0	0	3
21.	— 8·0	—	—	4·5	NW	14	5	5.	16	4	11	7	7	0	0	2
2.	—10·5	—	—	6·1	NE	39	9	7.	4	11	16	12	12	0	0	0
29.	—12·2	1·9	89	5·2	NE	104	25	19.	11	8	12	10	10	0	0	2
18.	— 7·5	—	—	5·0	NE	—	—	—	14	6	11	—	—	—	—	—
18.	— 7·6	—	—	3·4	E	17	4	8.	17	8	6	10	10	0	0	0
18.	— 6·2	—	—	4·0	E	13	6	8.	16	3	12	4	4	0	0	0
18.	— 9·7	—	—	3·2	W	32	7	7.	14	8	9	9	9	0	0	0
18.	— 8·1	—	—	4·9	N	18	5	7.	12	6	13	9	9	0	0	0
21.	— 8·4	—	—	4·0	NE	32	8	5.	16	3	12	10	10	0	0	0
18.	— 9·2	—	—	5·5	SE	24	10	7.	11	5	15	7	7	0	0	0
18.	—11·0	1·8	94	6·1	E	32	7	5.	12	4	15	9	9	0	0	0
18.	—10·0	—	—	5·3	NE	40	20	7.	11	4	16	3	3	0	0	0
21.	—10·6	—	—	3·6	W	—	—	—	15	7	9	7	7	—	—	—
18.	— 8·6	—	—	4·8	N	26	8	7.	14	3	14	10	10	0	0	0
18.	— 7·4	—	—	5·2	N	24	5	7.	11	4	16	7	7	0	0	0
1. 18.	— 7·9	—	—	4·5	NE	2	1	8.	13	2	16	6	6	0	0	0
21.	—10·4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18.	— 9·5	2·0	89	2·5	NE	28	12	8.	21	3	7	3	3	0	0	0
18.	— 8·7	—	—	4·5	—	14	8	7.	15	4	12	5	5	0	0	0
18.	— 7·5	—	—	5·0	N	60	28	7.	12	3	16	7	7	0	0	0
18.	— 6·0	—	—	3·8	N	62	19	8.	19	1	11	6	6	0	0	0
18.	—10·7	—	—	3·0	NE	—	—	—	22	2	7	5	5	0	0	0
18.	— 7·0	—	—	4·1	N	31	12	7.	14	6	11	4	4	0	0	0
18.	—10·7	2·1	98	6·4	N	43	11	5.	12	2	17	12	12	0	0	0
18.	—10·5	—	—	—	—	25	6	8.	—	—	—	6	6	0	0	0
18.	— 9·2	—	—	4·6	N	21	12	7.	14	5	12	4	4	0	0	0
1.	— 9·4	—	—	1·6	NE	8	6	8.	24	1	6	2	2	0	0	0
18.	—10·7	—	—	3·3	NW	4	4	11.	20	5	6	1	1	0	0	0
17.	—16·3	—	79	5·6	N	184	19	10.	12	4	15	17	17	0	0	8

IX

Magnetische Declinations-Beobachtungen zu Klagenfurt

von

Februar.

F. Seeland.

1891.

Tag	Declination zu Klagenfurt					an fremden Stationen				Stand des Grundwassers im Hause Nr. 459
	7 ^h	2 ^h	9 ^h	Tages-Mittel	Tages-Variation	+ Pola 10°	+ Kremsmünster 10°	+ Wien 8°	+ Ofen 8°	
	9° + Min.				Min.	Minuten				m Seehöhe
1.	52.8	56.8	53.4	54.3	4.0	14.0	20.79	4.5	*)	437.026
2.	53.4	55.5	52.1	53.7	3.4	13.5	20.99	4.7		437.056
3.	52.8	56.8	52.8	54.1	4.0	13.6	20.64	4.3		437.096
4.	52.1	56.8	52.1	53.7	4.7	13.8	21.38	4.5		437.104
5.	52.1	57.5	52.1	53.9	5.4	13.8	23.52	4.8		437.106
6.	52.8	57.5	49.4	53.2	8.1	13.3	20.98	4.6		437.076
7.	52.1	54.8	50.7	52.5	4.1	13.0	19.91	4.0		437.061
8.	50.7	56.2	50.7	52.5	5.5	12.9	20.20	4.6		437.036
9.	51.4	55.5	52.8	53.2	4.1	13.4	20.83	3.8		437.031
10.	50.7	55.5	49.4	51.9	6.1	11.6	17.90	2.8		437.027
11.	51.4	56.2	56.0*	51.2	10.2	12.2	20.39	8° 59.7		437.026
12.	49.4	58.2	48.7	52.1	9.5	13.2	20.43	2.8		436.996
13.	50.7	54.8	49.4	51.6	5.4	12.4	19.32	3.6		436.998
14.	51.4	54.8	50.1	52.1	4.7	11.3	19.25	5.3		436.976
15.	55.5	58.2	50.7	54.8	7.5	12.4	27.59	6.0		436.966
16.	51.4	54.8	51.4	52.5	3.4	12.0	20.69	4.5		436.957
17.	50.7	56.2	50.7	52.5	5.5	12.0	18.49	3.6		436.946
18.	50.1	56.8	53.1	53.3	6.7	12.5	22.03	3.7		436.940
19.	50.1	58.2	50.7	53.0	8.1	12.8	21.38	4.4		436.953
20.	49.4	55.5	54.1	53.0	6.1	—	21.04	4.0		436.937
21.	51.4	56.2	49.4	52.3	6.8	—	19.51	4.6		436.923
22.	52.8	54.8	50.1	52.6	4.7	12.8	19.44	4.0		436.915
23.	51.4	56.2	50.7	52.8	5.5	12.6	20.04	3.5		436.903
24.	50.7	58.2	51.4	53.4	7.5	12.8	20.30	4.3		436.902
25.	53.4	57.5	54.1	55.0	4.1	13.6	20.85	5.1		436.904
26.	52.7	58.2	52.8	54.6	5.5	13.0	18.96	4.4		436.882
27.	52.7	54.8	52.8	53.4	2.1	12.8	19.52	3.9		436.878
28.	52.7	57.5	52.1	54.1	5.4	13.2	20.56	4.3		436.869
Mittel	51.7	56.5	51.2	53.1	5.6	12.9	20.64	4.08		436.982

Die magnetische Declination in Klagenfurt war 9° 53.1'; mit dem Maximum 9° 54.8' am 15. und dem Minimum 9° 51.2' am 11.

Die mittlere Tagesvariation war 5.6'; mit dem Maximum 10.2' am 11. und dem Minimum 2.1' am 27.

Am 11. gab es abends eine Störung.

*) Beobachtungen fehlen.

Meteorologische Beobachtungen zu Klagenfurt

Tag	Luftdruck Millim. 700 +					Luftwärme Celsius °					Ozon		Sonnenschein °/o
	7 ^h	2 ^h	9 ^h	Mittel	Abwei- chung	7 ^h	2 ^h	9 ^h	Mittel	Abwei- chung	7 ^h	9 ^h	
1.	34.9	31.4	31.6	32.6	+ 9.2	-18.5	- 7.4	-11.5	-12.5	- 8.0	7	4	55.8
2.	33.7	34.8	35.6	34.7	+11.7	-17.3	- 4.8	- 7.9	-10.0	- 5.6	8	4	58.9
3.	37.5	37.0	36.6	37.0	+13.7	-13.7	- 2.4	- 4.4	- 6.8	- 2.5	6	4	22.1
4.	32.5	29.9	29.6	30.7	+ 7.5	- 6.7	- 1.2	- 3.5	- 3.0	+ 1.2	7	6	—
5.	31.4	31.1	31.9	31.5	+ 8.3	-12.7	- 1.6	- 7.1	- 6.1	- 2.0	7	4	62.5
6.	33.3	33.4	34.1	33.6	+10.5	-16.1	- 4.7	-10.4	-10.4	- 6.4	6	4	61.5
7.	34.9	35.9	35.7	35.5	+12.4	-15.4	- 4.4	- 5.9	- 8.6	- 4.8	7	7	43.3
8.	35.0	33.9	33.5	34.1	+11.1	- 9.5	- 4.5	- 5.5	- 6.5	- 2.8	7	7	41.8
9.	33.7	33.8	33.8	33.8	+10.9	- 8.4	- 2.2	-10.1	- 6.9	- 3.5	12	5	31.6
10.	33.2	32.8	32.4	32.6	+ 9.7	- 8.9	- 3.2	- 5.3	- 5.8	- 2.4	8	5	—
11.	33.2	32.5	32.1	32.6	+ 9.8	- 8.9	- 3.6	-11.1	- 7.9	- 4.5	6	5	29.0
12.	31.4	28.8	28.3	29.5	+ 6.7	-12.7	- 5.2	- 8.0	- 8.6	- 5.2	9	5	4.0
13.	28.6	27.0	26.1	27.2	+ 4.5	- 7.5	- 0.8	- 4.9	- 4.4	- 1.0	6	5	38.6
14.	32.1	37.6	37.6	35.8	+13.2	- 6.3	- 2.8	- 8.9	- 6.0	- 2.6	10	4	63.3
15.	38.4	36.9	36.2	37.2	+14.6	-19.0	- 7.9	-11.8	-12.9	- 9.5	7	4	68.6
16.	35.8	34.7	34.3	34.9	+12.4	-17.5	- 5.3	- 9.8	-10.9	- 7.6	7	4	79.4
17.	34.4	33.9	32.5	33.6	+11.2	-14.0	- 1.1	- 2.6	- 5.2	- 2.1	6	6	75.7
18.	29.4	31.2	33.1	31.2	+ 8.8	- 6.2	- 6.8	- 7.5	- 2.3	+ 0.7	6	4	80.6
19.	34.5	35.2	35.8	35.2	+12.9	- 7.2	- 0.6	- 2.9	- 3.2	- 0.3	7	5	72.1
20.	35.7	33.2	32.4	33.8	+11.6	-10.6	- 1.4	- 4.7	- 5.6	- 2.9	7	4	63.8
21.	33.1	33.3	33.6	33.3	+11.2	-12.0	- 0.5	- 5.0	- 5.8	- 3.2	8	5	57.1
22.	35.0	34.4	36.4	35.3	+13.2	-11.7	- 0.9	- 3.2	- 4.7	- 2.3	7	4	69.8
23.	38.8	38.3	37.4	38.0	+16.0	-12.0	- 0.4	- 4.3	- 5.3	- 3.2	8	4	63.2
24.	37.3	35.4	34.1	35.6	+13.7	-12.0	- 0.8	- 2.5	- 4.6	- 2.7	8	6	75.7
25.	32.6	31.3	30.5	31.5	+ 9.6	- 2.0	- 5.2	- 0.4	- 1.2	+ 0.4	10	5	81.3
26.	30.8	28.9	28.4	29.4	+ 7.6	- 5.7	- 4.1	- 1.9	- 1.2	+ 0.1	9	4	74.1
27.	30.2	31.0	32.6	31.3	+ 9.6	- 7.8	- 2.8	- 3.6	- 2.9	- 1.8	7	10	62.4
28.	34.6	34.6	34.3	34.5	+12.8	- 8.3	- 3.0	- 6.0	- 5.9	- 5.1	10	11	38.3
Mittel	33.80	33.28	33.23	33.44	+10.81	-11.02	-1.38	-6.07	-6.17	-3.10	7.6	5.2	52.67

6.4

Am 1. Februar das Eis des Wörthersees 23 Centimeter dick.

Am 14. Gesang der Kohlmeisen.

Am 18. Während des Tages Jauck, gegen Abend vom Nordwind verdrängt.

Am 25. Der erste Finkenschlag.

im Februar 1891. Von F. Seeland.

Dunstdruck Millimeter				Luftfeuchtigkeit in Proc. d. Sätt.				Bewölkung 0=rein, 10=trüb				Winde 0=ruhig, 10=Sturm			Nieder- schlag	Schneehöhe
7 ^h	2 ^h	9 ^h	Mittel	7 ^h	2 ^h	9 ^h	Mittel	7 ^h	2 ^h	9 ^h	Mittel	7 ^h	2 ^h	9 ^h	m/ m	m/ m
0.8	2.3	1.3	1.5	78	89	71	79	0	0	0	0	E ¹	NW ¹	NE ¹	—	—
0.9	3.0	2.2	2.0	78	95	89	87	1	4	0	2	NE ¹	SE ¹	NE ¹	—	—
1.2	3.7	2.9	2.6	79	96	88	88	1	10	4	5	SE ¹	SE ¹	W ¹	—	—
2.4	4.9	3.2	3.5	86	98	91	92	10	8	0	6	NE ¹	SE ¹	SE ¹	—	—
1.3	4.2	2.4	2.6	76	82	93	83	0	0	0	0	W ¹	SW ³	NE ¹	—	—
0.9	2.9	1.5	1.8	71	90	77	79	0	0	0	0	NE ¹	NE ¹	NE ¹	—	—
1.0	3.0	2.7	2.2	72	91	93	85	3	0	6	3	NW ¹	NW ¹	NW ¹	—	—
2.0	3.0	2.6	2.5	91	93	87	90	10	5	10	8	S ¹	S ¹	E ¹	Spur	*
2.0	3.9	1.9	2.6	85	100	90	92	10*	8	9	9	NW ¹	NW ¹	NW ¹	*	*
2.1	3.4	2.9	2.8	91	96	96	94	9	10	10*	10	NW ¹	NW ¹	SW ¹	1.2	*
2.0	3.3	1.8	2.4	88	95	93	92	10	8	0	6	SW ¹	NE ¹	NE ¹	—	—
1.4	2.5	2.0	2.0	84	80	83	82	10	10	0	7	NE ¹	NE ¹	W ¹	—	—
2.2	3.5	2.9	2.9	86	81	93	87	10*	4	2	5	SW ¹	SW ¹	NW ¹	Spur	*
2.0	3.2	2.2	2.5	74	87	97	86	5	1	0	2	NE ¹	NE ¹	NE ¹	2.7	*
0.7	2.3	1.4	1.5	70	94	78	81	0	0	0	0	NW ¹	NE ¹	NE ¹	—	—
0.6	2.2	1.8	1.5	52	73	87	71	0	0	0	0	NW ¹	NE ¹	NE ¹	—	—
1.3	4.3	3.4	3.0	88	87	92	86	3	0	1	1	NE ¹	NE ¹	NE ¹	—	—
2.6	1.9	1.6	2.0	93	25	64	61	4	0	0	1	NW ¹	NE ⁴	NE ¹	—	—
2.2	4.4	3.0	3.2	87	92	81	87	0	0	0	0	NW ¹	NW ¹	SW ¹	—	—
1.8	2.4	2.7	2.3	90	82	86	86	0	0	0	0	NW ¹	SE ¹	NE	—	—
1.4	3.8	2.6	2.6	81	86	84	84	3	0	0	1	NW ¹	SE ¹	SE ¹	—	—
1.6	4.4	3.1	3.0	89	89	87	88	0	0	0	0	NW ¹	SE ¹	E ¹	—	—
1.5	3.8	3.0	2.8	85	80	91	85	2	0	0	1	E ¹	NE ¹	NE ¹	—	—
1.6	3.9	3.5	3.0	89	80	92	87	0	0	9	3	NW ¹	NE ¹	NE ¹	—	—
3.6	3.0	3.6	3.4	92	45	76	71	5	0	0	2	E ¹	SE ¹	NW ¹	—	—
2.4	3.5	3.5	3.1	82	56	88	75	0	0	0	0	NW ¹	E ¹	E ¹	—	—
2.1	3.5	2.9	2.8	83	62	82	76	1	0	0	0	NW ¹	NW ¹	N ¹	—	—
2.1	3.3	2.8	2.7	88	91	90	90	10	0	0	3	NE ¹	NE ¹	E ¹	—	—
1.70	3.33	2.55	2.53	82.4	82.7	86.4	83.8	3.8	2.4	1.8	2.7	1.0	1.3	1.0	3.9	48

Grundwasserstand in Klagénfurt:

K. k. Militärspital	437.900 Meter
Seelandbrunnen	436.982
Friedhofbrunnen	436.692
Wörtherseespiegel	441.132
Höchster Pegelstand am 1.	441.188
Tiefster „ „ 31.	441.088

Drauspiegel an der Hollenburgbrücke (Opunkt 425.89 m) 425.74 m
Maximum am 27. 28.425.79 m, Minimum am 1. 425.71 m.

Vorläufige Uebersicht der Witterung in Kärnten

Stationen	Seehöhe Meter	Luftdruck in Millimeter					Luftwärme in		
		Grösster	am	Kleinst.	am	Mittel	Grösste		Kleinste
Klagenfurt I.	448	738·8	23.	726·1	13.	733·4	5·2	25.	—19·0
dto. II.	504	—	—	—	—	—	7·0	25.	—17·2
Kappel a. d. Drau	441	—	—	—	—	—	6·1	18.	—22·3
Saager	486	—	—	—	—	—	6·4	18.	—19·4
Unterdrauburg	343	—	—	—	—	—	7·6	26.	—22·8
Liescha .	552	728·8	23.	717·2	13.	723·4	7·6	25.	—17·0
Bad Vellach	843	—	—	—	—	—	9·0	18.	—16·0
Eisenkappel	554	—	—	—	—	—	7·9	18.	—18·2
Obir	2047	604·0	23.	591·5	13.	598·0	—0·6	26.	—20·7
St. Leonhard	730	—	—	—	—	—	6·4	17.	—15·2
St. Andrä .	432	—	—	—	—	—	10·2	25.	—25·1
St. Peter i. K.	1217	—	—	—	—	—	8·0	25.	—16·6
Stelzing	1410	—	—	—	—	—	7·4	24.	—14·6
Knappenberg	1045	—	—	—	—	—	6·6	26.	—16·4
Hüttenberg .	783	707·3	23.	693·5	13	701·5	7·8	26.	—14·0
Guttaring .	642	—	—	—	—	—	8·0	17.	—16·0
St. Georgen a. L.	556	—	—	—	—	—	6·0	25. 26.	—16·3
Lind .	526	—	—	—	—	—	8·1	18.	—17·1
Pörschach	464	—	—	—	—	—	6·2	18.	—19·6
Radweg	692	—	—	—	—	—	6·2	18.	—15·0
Sirnitz .	800	—	—	—	—	—	7·6	25.	—14·3
Bad Villach	488	—	—	—	—	—	5·4	18.	—17·4
Bleiberg	927	695·7	23.	683·4	13.	690·3	5·7	17.	—17·4
Spittal a. d. D.	554	727·8	23.	713·8	13.	721·6	8·4	18.	—17·0
Jauken .	2072	—	—	—	—	—	11·0	26.	—20·0
Raibl . .	981	—	—	—	—	—	13·4	26.	—13·6
Völkermarkt .	461	—	—	—	—	—	6·8	18.	—20·8
Waidegg	640	—	—	—	—	—	5·4	18.	—17·4
Cornat	1067	682·8	3.	672·4	13.	678·2	9·1	25.	15·5
Theissenegg	1124	—	—	—	—	—	6·4	24.	—14·0
Oberdrauburg	610	—	—	—	—	—	10·4	18.	—16·0
Greifenburg	626	—	—	—	—	—	7·8	19.	—16·0
Gmünd	728	—	—	—	—	—	8·0	22.	—18·2
Maltein	824	—	—	—	—	—	—0·1	28.	—18·4
Seeland .	860	—	—	—	—	—	8·0	24.	—14·0
Reichenau Ebene	1059	—	—	—	—	—	9·4	19.	—17·0
Sonnblick	3093	528·8	23.	513·2	13.	522·2	—4·6	27.	—31·6

im Februar 1891 vom Central-Observatorium in Wien.

Celsius °		Dunst- druck mm	Feuch- tigkeit %	Bewölkung	Herr- schender Wind	Niederschlag			Tage			darunter mit				
am	Mittel					Summe	Grösster in 24h	am	heiter	b. heiter	trüb	Nieder- schlag	Schnee-	Hagel	Gewitter	Sturm
15.	— 6.2	2.5	84	2.7	NE	4	3	14.	20	4	4	2	2	0	0	0
15.	— 4.7	—	—	4.2	NW	—	—	—	13	9	6	2	5	0	0	0
15.	— 7.2	—	—	3.7	SE	4	3	13.	16	7	5	2	2	0	0	1
15.	— 4.9	—	—	—	—	3	2	10.	—	—	—	2	2	0	0	0
15.	— 4.4	—	—	4.2	E	8	6	13.	17	1	10	3	3	0	0	0
15.	— 3.6	—	—	4.0	W	16	8	14.	16	6	6	4	4	0	0	0
15.	— 3.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15.	— 5.1	—	—	—	—	3	2	13.	—	—	—	4	4	0	0	0
14.	— 8.6	2.2	90	2.7	NW	18	8	7.	19	6	3	7	7	0	0	5
12.	— 3.9	—	—	2.5	NW	—	—	—	18	8	2	1	1	0	0	2
15.	— 5.9	2.7	88	4.0	NW	1	1	13.	8	16	4	2	2	0	0	1
15.	— 3.6	—	—	2.1	N	3	2	13.	20	4	4	3	3	0	0	0
9.	— 3.9	—	—	4.4	NE	—	—	—	12	10	6	—	—	—	—	—
15.	— 4.0	—	—	2.0	E	3	1	14.	23	4	1	3	3	0	0	0
15.	— 2.3	—	—	2.0	N	0	0	0.	23	4	1	0	0	0	0	0
16.	— 5.2	—	—	2.7	N	3	2	7.	19	5	4	2	2	0	0	0
15.	— 4.4	—	—	1.0	S	3	1	14.	27	1	0	2	2	0	0	1
1.	— 5.4	—	—	3.2	NE	1	1	10.	16	6	6	1	1	0	0	0
15.	— 6.0	—	—	1.6	W	0	0	0.	21	6	1	0	0	0	0	0
15.	— 4.0	—	—	2.4	N	3	2	10.	20	4	8	2	2	0	0	0
15.	— 3.6	—	—	2.9	E	2	1	13.	16	8	4	2	2	0	0	0
15.	— 6.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15.	— 5.3	3.0	91	1.3	NE	5	5	10.	23	3	2	1	1	0	0	0
15.	— 4.6	—	—	2.6	SE	4	2	12.	20	5	3	3	3	0	0	0
8.	— 5.4	—	—	1.2	N	4	4	13.	24	2	2	1	1	0	0	0
15.	— 2.2	—	—	1.6	N	9	5	8.	24	0	4	2	2	0	0	0
15.	— 5.5	—	—	4.6	N	3	2	13.	14	8	6	2	2	0	0	0
15.	— 6.1	—	—	0.9	NE	—	—	—	24	4	0	2	2	0	0	0
15.	— 0.9	—	—	2.3	E	0	0	0	22	1	5	0	0	0	0	0
14.	— 4.0	—	—	3.0	NE	0	0	0	17	7	4	0	0	0	0	0
1. 16.	— 4.9	—	—	1.0	NW	1	0.3	13.	23	5	0	2	2	0	0	0
7.	— 4.2	—	—	2.6	N	—	—	—	19	3	6	0	0	0	0	0
15.	— 4.8	—	—	0.5	NE	1	1	11.	26	1	1	1	1	0	0	0
12.	— 8.0	—	—	2.0	NW	3	3	7.	23	3	2	1	1	0	0	0
12.	— 3.4	—	—	3.8	NE	5	3	13.	16	7	5	4	4	0	0	0
7.	— 3.4	—	—	2.2	N	0.5	0.3	14.	19	4	5	2	2	0	0	0
14.	— 13.5	—	73	3.5	E	53	21	13.	17	3	8	9	9	0	0	13

Magnetische Declinations-Beobachtungen zu Klagenfurt

von

März.

F. Seeland.

1891.

Tag	Declination zu Klagenfurt					an fremden Stationen				Stand des Grund- wassers im Hause Nr. 459
	7 ^h	2 ^h	9 ^h	Tages- Mittel	Tages- Variation	+ Pola 10°	+ Kremsmün- ster 10°	+ Wien 9°	+ Ofen 8°	
	9° + Min.		Min.		Minuten					
1.	52.8	57.5	53.4	54.6	4.7	13.1	19.94	4.0		436.863
2.	52.8	60.3	52.8	55.3	7.5	13.5	18.81	4.9		436.861
3.	52.1	59.6	48.0	53.2	11.6	13.1	21.06	3.4		436.846
4.	54.1	58.2	50.7	54.3	7.5	13.3	18.56	3.0		436.841
5.	51.4	60.1	40.7*	50.7	19.4	12.4	12.88	2.3		436.846
6.	52.1	57.5	52.1	53.9	5.4	13.9	18.22	4.3		436.866
7.	52.8	56.2	53.4	54.1	3.4	12.9	23.69	3.2		436.871
8.	52.1	56.6	53.4	53.9	4.1	13.1	22.14	4.0		436.886
9.	52.1	57.5	48.7	52.8	8.8	11.0	20.49	4.1		436.896
10.	52.1	58.9	52.1	54.4	6.8	11.9	19.57	4.2		436.916
11.	51.4	57.5	52.8	53.9	6.1	12.0	19.15	4.0		436.968
12.	52.1	58.9	50.7	53.9	8.2	—	24.58	5.2		436.996
13.	50.7	57.5	49.4	52.5	8.1	—	22.07	4.0		437.046
14.	50.7	56.2	49.4	52.1	6.8	—	23.49	4.5		437.091
15.	50.7	56.2	48.7	51.9	7.5	—	16.66	2.1		437.136
16.	49.4	57.5	49.4	52.1	8.1	—	25.63	2.3		437.166
17.	50.7	57.5	48.7	52.3	8.8	—	21.97	4.5		437.186
18.	52.1	56.2	52.8	53.7	4.1	—	22.17	5.4		437.216
19.	50.0	56.2	51.4	52.5	6.2	—	20.14	2.9		437.241
20.	50.7	57.5	51.4	53.2	6.8	—	22.63	4.7		437.248
21.	49.4	57.5	52.1	53.0	8.1	—	23.81	4.1		437.278
22.	49.4	57.5	53.4	56.8	8.1	13.7	21.12	4.1		437.287
23.	50.7	59.6	50.7	53.7	8.9	13.9	22.57	5.1		437.306
24.	52.1	56.2	49.4	52.6	6.8	12.6	19.45	5.6		437.320
25.	48.7	56.2	50.0	51.6	7.5	11.9	19.40	5.2		437.326
26.	50.7	58.2	50.0	53.0	5.2	12.6	20.87	5.7		437.336
27.	47.4	56.8	48.0	50.7	9.4	—	19.58	3.9		437.341
28.	49.4	52.8	50.0	50.7	3.4	—	19.83	4.5		437.366
29.	49.4	56.2	50.7	52.1	6.8	12.8	20.21	4.8		437.371
30.	50.0	56.2	46.7*	51.0	9.5	12.3	21.79	4.0		437.386
31.	50.0	56.8	48.0	51.6	8.8	11.6	23.77	4.6		437.406
Mittel	51.0	57.3	50.3	52.9	7.5	12.8	20.85	4.16		437.111

Die magnetische Declination in **Klagenfurt** war 9° 52.9'; mit dem Maximum 9° 56.8' am 22. und dem Minimum 9° 50.7' am 5., 27. und 28.

Die mittlere Tagesvariation war 7.5'; mit dem Maximum 19.4' am 5. und dem Minimum 3.4' am 7. und 28.

Am 5. und 30. abends Störungen zu Klagenfurt.

In Pola Störungen am 2., 4., 5., 30., 31. März.

Die Lücken in der Beobachtung von Pola sind durch Störung durch die Gasleitung und durch Fadenreißen verursacht.

Meteorologische Beobachtungen zu Klagenfurt

Tag	Luftdruck Millim. 700 +					Luftwärme Celsius °					Ozon		Sonnenschein %
	7 ^h	2 ^h	9 ^h	Mittel	Abwei- chung	7 ^h	2 ^h	9 ^h	Mittel	Abwei- chung	7 ^h	9 ^h	
1.	33.4	30.8	29.6	31.3	+ 9.7	-12.1	- 2.5	- 3.0	- 5.9	- 5.3	9	7	44.4
2.	28.4	27.3	26.4	27.4	+ 5.9	- 5.0	2.2	1.1	- 0.6	- 0.3	8	5	—
3.	25.5	22.5	22.9	23.6	+ 2.2	0.6	8.8	7.4	5.6	+ 5.5	7	6	8.9
4.	27.8	28.3	29.5	28.5	+ 7.1	1.1	6.1	- 0.9	2.1	+ 1.0	8	5	32.6
5.	28.9	27.4	28.4	28.2	+ 6.9	- 4.3	6.8	4.4	2.3	+ 2.0	5	4	100.0
6.	28.9	27.4	26.9	27.7	+ 6.5	- 0.6	8.8	2.3	3.5	+ 3.0	7	5	80.6
7.	25.2	23.4	24.2	24.3	+ 3.1	- 2.7	8.4	4.3	3.3	+ 3.3	5	4	82.5
8.	24.3	23.9	23.6	23.9	+ 2.8	- 0.5	9.9	3.8	4.4	+ 3.7	8	4	86.5
9.	23.3	22.0	21.6	22.3	+ 1.2	- 0.5	11.2	4.6	5.1	+ 4.5	8	4	86.5
10.	19.8	17.4	17.1	18.1	- 2.9	- 0.2	10.8	6.9	5.8	+ 5.3	7	5	70.4
11.	13.4	11.9	10.7	12.0	- 8.9	1.4	12.6	6.8	6.9	+ 6.4	7	4	29.5
12.	16.8	18.3	19.1	18.1	- 2.8	3.3	8.9	4.1	5.4	+ 4.9	8	7	50.0
13.	20.2	19.3	18.5	19.3	- 1.5	0.5	8.2	2.6	3.8	+ 3.2	8	5	45.3
14.	16.5	14.3	16.0	15.6	- 5.2	2.0	3.6	2.4	2.7	+ 1.9	7	5	13.1
15.	17.5	19.3	19.9	18.9	- 1.8	1.4	6.6	4.6	4.2	+ 3.1	12	6	42.6
16.	19.9	19.3	19.8	19.7	- 1.0	3.3	9.0	3.9	5.4	+ 4.1	5	5	46.8
17.	20.7	20.2	20.1	20.3	- 0.3	0.5	10.5	5.6	5.5	+ 3.9	7	6	40.9
18.	20.2	19.9	18.8	19.6	- 1.0	1.7	12.2	6.9	6.9	+ 5.2	5	5	51.8
19.	14.5	12.4	13.0	13.3	- 7.2	4.6	13.1	7.2	8.3	+ 6.4	6	4	39.6
20.	14.0	15.7	15.4	15.0	- 5.5	2.4	7.2	1.5	3.7	+ 1.8	7	7	—
21.	12.6	08.8	08.5	10.0	-10.4	0.8	6.5	2.5	3.3	+ 1.2	8	4	—
22.	11.0	13.0	15.0	13.0	- 7.4	2.6	2.0	- 1.1	1.2	- 1.2	12	8	—
23.	15.7	16.4	17.8	16.6	- 3.8	- 1.4	4.2	0.8	1.2	- 1.5	8	7	—
24.	19.2	20.1	21.1	20.1	- 0.2	- 0.6	2.2	- 0.6	0.3	- 2.8	8	6	73.4
25.	23.5	24.1	24.7	24.1	+ 3.8	- 4.0	4.4	0.2	0.2	- 3.3	11	6	63.1
26.	26.2	24.2	22.7	24.4	+ 4.4	- 2.6	8.8	3.9	3.4	- 0.4	8	5	14.4
27.	20.6	20.6	21.2	20.8	+ 0.6	1.4	7.0	2.9	3.8	- 0.3	6	9	—
28.	19.2	16.5	15.3	17.0	- 3.2	0.0	2.0	- 0.1	0.6	- 3.7	11	10	41.4
29.	15.3	15.1	15.0	15.1	- 5.1	- 0.5	6.7	0.2	2.1	- 2.3	10	6	—
30.	14.0	11.8	12.7	12.8	- 7.3	- 1.7	9.6	1.2	3.0	- 1.7	8	8	41.0
31.	15.6	16.4	17.4	16.5	- 3.6	- 3.3	6.7	1.4	1.6	- 3.3	10	5	51.3
Mittel	20.39	19.61	19.77	19.92	- 0.92	- 0.40	7.18	2.81	3.19	+ 1.45	7.9	5.9	39.88
6.9													

Am 2. März erster Regen.

Am 8. Amselgesang.

Am 10. Thauwind.

Am 19. Jauck.

In der Nacht vom 24. auf 25. verschwand das Eis im östlichen Becken des Wörthersees bis Sekirn; am 30. Blitz, Donner und Schneien.

im März 1891.

Von F. Seeland.

Dunstdruck Millimeter				Luftfeuchtigkeit in Proc. d. Sätt.				Bewölkung 0=rein, 10=trüb				Winde 0=ruhig, 10=Sturm			Nieder- schlag	Schneehöhe
7 ^h	2 ^h	9 ^h	Mittel	7 ^h	2 ^h	9 ^h	Mittel	7 ^h	2 ^h	9 ^h	Mittel	7 ^h	2 ^h	9 ^h	$\frac{mm}{m}$	$\frac{mm}{m}$
1.5	3.5	3.3	2.8	85	92	89	89	10=	0	0=	3	SW ¹	E ¹	E ¹	—	—
2.8	4.8	4.3	4.0	90	89	87	89	10	10	10	10	W ¹	NE ¹	SW ¹	0.7	—
4.0	5.0	7.1	5.4	83	59	63	78	10=	10	10	10	NE ¹	SE ¹	W ¹	4.2	—
3.9	2.3	2.7	3.0	77	33	63	58	10	5	0	5	NW ²	NW ²	W ¹	—	—
2.9	3.4	3.4	3.2	89	46	54	63	1	2	0	1	S ¹	SE ¹	W ¹	—	—
3.9	3.8	3.9	3.9	88	46	72	69	2	3	0	2	NW ¹	NW ¹	SE ¹	—	—
3.4	4.3	3.4	3.7	92	52	54	66	3	0	0	1	NW ¹	SE ¹	W ¹	—	—
3.6	4.3	4.0	4.0	81	47	67	65	7	0	0	2	NW ¹	NW ¹	SW ²	—	—
3.6	4.4	4.3	4.1	81	44	68	64	0	1	0	0	NE ¹	NE ¹	SW ¹	—	—
3.2	5.0	5.1	4.4	70	52	69	64	1	5	9	5	NW ¹	SW ³	SW ¹	—	—
4.3	5.6	6.5	5.5	85	51	88	75	4	9	10	8	SE ¹	SE ¹	SW ¹	2.7	—
4.9	5.0	4.3	4.7	85	59	71	72	8	8	9	8	NW ¹	NW ¹	SE ¹	—	—
4.2	4.1	4.1	4.1	89	51	74	71	10	4	1	5	NE ¹	NE ¹	NE ¹	—	—
4.4	5.1	4.3	4.6	84	87	79	83	10	10	10	10	SW ¹	NW ¹	SW ¹	8.2	✱
4.4	5.5	5.5	5.1	87	76	87	83	10	8	9	9	NE ¹	SW ¹	W ¹	—	—
5.3	5.4	4.7	5.1	92	63	77	77	10	3	0	4	NW ¹	NW ¹	SE	1.0	—
3.9	4.9	4.5	4.4	82	52	67	67	2	10	9	7	SW ¹	SW ²	SW ¹	—	—
4.1	4.9	5.0	4.7	80	46	67	64	1	10	3	5	N ¹	NW ²	SW ¹	—	—
5.1	4.4	4.8	4.8	81	39	64	61	7	4	1	4	SW ¹	NW ³	W ¹	Spur	—
4.5	4.8	3.8	4.4	80	64	74	73	9	6	0	5	NE ¹	NE ³	NE ¹	—	—
4.3	5.7	4.9	5.0	89	80	89	86	10*	10*	10	10	SE ¹	SE ¹	W ¹	—	✱
4.1	3.5	3.8	3.8	74	66	90	77	10*	10*	10*	10	NE ¹	NE ³	SW ²	10.4	✱
3.5	3.8	3.7	3.7	84	62	77	74	10	10	10*	10	NE ¹	SE ²	NE ¹	6.2	✱
3.6	4.7	3.9	4.1	83	87	88	86	10*	10*	4	8	E ³	NE ³	NE ¹	0.7	✱
3.0	4.9	4.0	4.0	89	79	67	78	0	7	0	2	NW ¹	W ¹	W ¹	—	—
3.3	3.9	3.4	3.5	87	47	56	63	0	4	1	2	NW ¹	NW ¹	NW ¹	—	—
3.8	4.5	3.9	4.1	74	61	61	65	2	10*	10*	7	NW ¹	NW ¹	SE ¹	✱	—
4.3	4.5	3.7	4.2	92	85	81	86	8	10*	3	7	NE ¹	NE ⁴	W ¹	5.6	✱
3.5	3.6	3.8	3.6	79	50	81	70	7	10	6	8	SW ¹	SW ¹	SW ¹	2.2	—
3.3	2.4	4.3	3.3	82	26	85	64	0	6	10*	5	NE ¹	NW ⁵	SE ¹	✱	7
3.3	3.0	4.4	3.6	91	41	87	73	10=	6	0	5	NW ¹	NW ¹	NE ¹	7.2	77
3.80	4.32	4.28	4.13	84.0	59.1	75.0	72.7	6.2	6.5	4.7	5.8	1.1	1.5	1.1	49.1	134

Grundwasserstand in Klagenfurt:

K. k. Militärspital	439.030 Meter
Seelandbrunnen	437.111
Friedhofbrunnen	436.969
Wörtherseespiegel	441.398
Höchster Pegelstand am 31.	441.272
Tiefster „ 1.	441.098

Drauspiegel an der Hollenburgbrücke (Opunkt 425.89 m) 426.09 m
Maximum am 12. 426.41 m, Minimum am 1.—3. 425.79 m.

Vorläufige Uebersicht der Witterung in Kärnten im M

Stationen	Seehöhe Meter	Luftdruck in Millimeter				Luftwärme in Celsius				
		Grösster:	am	Kleinst.	am	Mittel	Grösste		Kleinste	
Klagenfurt I.	448	733.4	1.	708.5	21.	719.9	12.6	11.	-12.1	1.
dto. II.	504	—	—	—	—	—	14.2	11.	11.4	1.
Kappel a. d. Drau	441	—	—	—	—	—	12.5	19.	-10.7	1.
Saager	486	—	—	—	—	—	13.1	19.	-11.8	1.
Unterdrauburg	343	—	—	—	—	—	14.6	18.	-5.0	25.
Theissenegg	1124	—	—	—	—	—	7.8	6.	-9.0	25.
Bad Vellach	843	—	—	—	—	—	10.5	11.	-8.5	29.
Eisenkappel	554	—	—	—	—	—	10.4	11. 18.	-11.5	1.
Obir	2047	598.2	6.	581.3	30.	589.0	0.3	3.	-14.5	24.
St. Leonhard	730	—	—	—	—	—	13.0	11.	-11.6	1.
St. Andrä	432	—	—	—	—	—	15.2	19.	-16.1	1.
Stelzing	1410	—	—	—	—	—	7.2	3.	-11.4	25.
Knappenberg	1045	—	—	—	—	—	10.2	6.	-9.2	25.
Hüttenberg	783	701.1	1.	678.4	21.	689.5	11.7	6.	-7.5	25.
Guttaring	642	—	—	—	—	—	11.0	18.	-12.9	1.
Radenthein	738	—	—	—	—	—	10.0	19.	-9.4	1.
St. Georgen a. L.	556	—	—	—	—	—	10.4	10.	-11.0	1.
Spittal a. d. D.	554	720.5	1.	679.7	21.	708.8	13.4	19.	-12.4	1.
Jauken	2072	—	—	—	—	—	7.0	3.	-11.0	4. 23.
Seeland	860	—	—	—	—	—	9.0	3.	-13.0	1.
Pörtschach	464	—	—	—	—	—	10.4	19.	-12.4	1.
Radweg	692	—	—	—	—	—	11.4	10.	-10.6	1.
Sirnitz	800	—	—	—	—	—	11.6	6.	-8.4	1.
Reichenau	1059	—	—	—	—	—	9.8	6.	-10.4	25.
Bad Villach	488	—	—	—	—	—	10.4	19.	-10.0	1.
Bleiberg	927	689.2	1.	667.8	21.	678.7	10.0	6.	-8.2	1.
Raibl	981	—	—	—	—	—	11.4	3.	-11.0	25.
Cornat	1067	679.5	5.	658.3	21.	667.9	12.2	6.	-10.2	31.
St. Peter i. K.	1217	—	—	—	—	—	9.4	6.	8.4	25.
Oberdrauburg	610	—	—	—	—	—	9.9	10.	-10.7	1.
Greifenburg	713	—	—	—	—	—	11.2	18.	-10.4	1.
Gmünd	728	—	—	—	—	—	14.0	11.	-10.0	1.
Völkermarkt	461	—	—	—	—	—	14.8	19.	-12.3	1.
Sonnblick	3093	523.4	6.	506.2	21.	513.7	-3.0	3.	-24.0	25.

Am 28. und 30. Wetterleuchten.

März 1891 vom Central-Observatorium in Wien.

Mittel	Dunst- druck mm	Feuch- tigkeit o/o	Bewölkung	Herr- schender Wind	Niederschlag			Tage			darunter mit				
					Summe	Grösster in 24h	am	heiter	h. heiter	trüb	Nieder- schlag	Schnee	Hagel	Gewitter	Sturm
3.2	4.2	73	5.8	NW	49	10	22.	8	9	14	14	8	0	1	0
3.4	—	—	7.1	SW	—	—	—	3	8	20	14	8	0	1	0
2.4	—	—	6.5	SE	82	16	21.	5	10	16	10	7	0	0	3
3.8	—	—	—	—	91	27	27.	—	—	—	11	7	0	0	0
4.0	—	—	5.5	E	57	16	22. 27	10	3	18	10	6	0	0	0
0.1	—	—	5.3	NE	27	7	21.	12	4	15	11	8	0	0	0
2.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3.0	—	—	—	—	152	42	22.	—	—	—	13	6	0	0	0
— 5.5	2.9	96	6.4	SW	127	28	27.	8	3	20	16	16	0	1	7
3.0	—	—	6.5	W	39	13	22.	6	8	17	7	5	0	0	1
2.4	4.5	81	6.3	SE	36	7	22.	3	11	17	11	8	0	0	1
— 1.0	—	—	7.1	W	—	—	—	3	7	21	—	—	—	—	—
0.9	—	—	4.5	SW	30	13	22.	8	14	9	12	10	0	0	0
2.8	—	—	5.0	W	22	7	21.	8	13	10	8	6	0	0	2
1.7	—	—	5.1	N	30	11	21.	7	10	14	5	3	0	0	0
2.2	—	—	6.2	—	25	6	19.	9	5	17	9	5	0	0	0
1.7	—	—	—	—	44	11	22.	—	—	—	10	7	0	1	0
2.6	—	—	5.9	SE	43	14	22.	7	11	13	11	7	0	0	1
— 4.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1.1	—	—	7.0	S	178	48	21.	7	5	19	13	4	0	0	0
2.6	4.7	85	3.4	W	—	—	—	16	10	5	9	4	0	2	0
2.7	—	—	5.2	W	65	16	22.	11	5	15	10	7	0	0	0
2.7	—	—	5.9	S	146	29	23.	7	10	14	11	9	0	0	0
0.4	—	—	5.0	S	49	14	23.	13	4	14	10	7	0	0	0
2.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1.2	4.7	91	4.0	SW	86	31	22.	12	12	7	8	6	0	0	0
0.7	—	—	7.0	SW	195	50	22.	6	5	20	12	8	0	1	0
1.4	—	—	6.1	SE	147	65	23.	10	9	12	10	6	0	0	0
0.0	—	—	6.1	N	71	24	11.	5	11	15	12	11	0	0	0
1.9	—	—	—	NW	92	40	22.	—	—	—	8	3	0	0	0
2.7	—	—	5.8	E	32	12	22.	6	7	18	7	7	0	0	0
4.7	—	—	4.1	NE	21	8	16.	17	3	11	5	4	0	0	0
3.0	4.6	81	6.5	SE	51	9	27.	6	9	16	11	6	0	0	0
— 12.0	—	90	7.4	SW u. W	164	28	11.	5	3	23	24	24	0	0	18

Magnetische Declinations-Beobachtungen zu Klagenfurt

von

April.

F. Seeland.

1891.

Tag	Declination zu Klagenfurt					an fremden Stationen				Stand des Grundwassers im Hause Nr. 459
	7 ^h	2 ^h	9 ^h	Tages-Mittel	Tages-Variation	+ Pola 10°	+ Kremsmünster 10°	+ Wien 9°	+ Ofen 8°	
	9° + Min.				Min.	Minuten				m Seehöhe
1.	50.7	54.8	49.4	51.6	4.5	11.0	11.96	4.7		437.411
2.	49.4	58.9	51.4	53.2	9.5	11.5	9.55	5.3		437.406
3.	49.4	57.5	50.7	52.5	8.1	11.3	15.00	4.3		437.416
4.	50.0	55.5	50.7	52.1	5.5	11.3	10.48	4.5		437.426
5.	49.4	55.5	50.0	51.6	6.1	11.0	12.55	4.4		437.436
6.	48.7	56.2	50.0	51.6	7.5	11.5	13.55	4.0		437.441
7.	48.7	58.9	50.7	52.8	10.5	11.7	14.93	4.3		437.446
8.	46.7	56.8	49.4	51.0	10.1	10.5	12.92	2.3		437.449
9.	48.0	57.5	51.4	52.7	9.5	10.3	12.19	4.6		437.451
10.	48.7	56.2	49.4	51.4	7.5	—	14.62	3.6		437.461
11.	49.4	56.2	50.0	51.9	6.8	11.2	9.98	4.6		437.466
12.	49.4	56.8	46.0	50.7	10.8	10.1	13.25	2.6		437.473
13.	48.7	55.5	49.4	51.2	6.8	10.2	13.14	4.5		437.476
14.	49.4	59.6	51.4	53.5	10.2	11.7	16.49	5.7		437.476
15.	46.7	55.5	49.4	50.5	8.8	10.6	12.41	3.6		437.486
16.	49.4	57.5	48.7	51.5	8.8	10.9	17.24	4.7		437.481
17.	46.7	59.6	46.0	50.8	12.9	10.7	11.97	3.8		437.481
18.	49.4	57.5	50.0	52.3	8.1	11.8	14.03	6.1		437.476
19.	48.7	54.5	50.0	51.1	5.8	10.6	8.25	4.2		437.476
20.	49.4	58.9	53.4	53.9	9.5	10.9	8.30	5.5		437.478
21.	48.7	56.2	50.0	51.6	7.5	10.5	12.85	3.7		437.476
22.	47.4	57.5	50.7	51.9	10.1	10.2	6.97	4.6		437.468
23.	48.0	58.2	50.7	52.3	10.2	10.8	9.29	4.1		437.466
24.	48.0	58.2	50.0	52.1	10.2	10.7	8.69	4.5		437.461
25.	47.4	56.2	50.0	51.2	8.8	11.0	8.92	4.4		437.466
26.	49.4	54.5	49.4	51.1	5.1	10.0	15.06	4.1		437.466
27.	48.7	58.9	50.7	52.8	10.2	11.7	9.43	5.8		437.460
28.	48.7	56.2	50.0	51.6	7.5	11.1	7.42	4.5		437.470
29.	48.0	55.5	49.4	51.0	7.5	11.0	7.51	3.7		437.466
30.	48.7	55.5	49.4	51.2	6.8	11.0	4.42	3.2	4.6	437.472
Mittel	48.7	56.9	49.9	51.8	8.4	11.0	11.43	4.33		437.459

Die magnetische Declination in Klagenfurt war 9° 51.8'; mit dem Maximum 9° 53.9' am 20. und dem Minimum 9° 50.5' am 15.

Die mittlere Tagesvariation war 8.4'; mit dem Maximum 12.9' am 17. und dem Minimum 5.1' am 26.

Nach einer absoluten Bestimmung, die anfangs Mai vorgenommen wurde, ist die frühere Declination in Kremsmünster zu gross.

Meteorologische Beobachtungen zu Klagenfurt

Tag	Luftdruck Millim. 700 +					Luftwärme Celsius °					Ozon		Sonnenschein %
	7 ^h	2 ^h	9 ^h	Mittel	Abwei- chung	7 ^h	2 ^h	9 ^h	Mittel	Abwei- chung	7 ^h	9 ^h	
1.	20.0	20.3	21.7	20.7	+ 0.6	3.7	4.0	0.6	0.1	5.4	6	4	52.6
2.	22.7	21.4	20.7	21.6	+ 1.5	3.8	6.0	1.5	1.2	4.6	7	4	73.4
3.	20.8	19.2	18.7	19.6	- 0.5	2.7	6.8	3.5	2.5	3.8	8	6	59.7
4.	19.6	19.8	20.9	20.1	0.0	0.6	9.1	5.3	5.0	+ 1.9	7	3	35.4
5.	21.0	18.8	19.4	19.7	- 0.3	1.7	11.8	7.6	7.0	- 0.3	8	7	34.6
6.	21.4	20.3	21.0	20.9	+ 0.9	2.7	13.5	6.3	7.5	- 0.2	7	4	62.6
7.	21.0	18.3	15.4	18.2	- 1.8	2.6	12.2	7.4	7.4	- 0.5	6	5	8.4
8.	13.7	14.3	16.8	14.9	5.1	4.4	9.2	5.5	6.4	- 1.6	8	5	9.1
9.	19.3	19.2	20.4	19.6	- 0.4	1.6	12.5	6.9	7.0	- 1.1	7	5	79.5
10.	20.3	17.7	15.9	18.0	- 2.0	3.9	8.0	5.8	5.9	- 2.2	7	8	25.6
11.	14.4	14.1	15.9	14.8	- 5.2	4.9	11.0	5.2	7.0	- 1.1	10	6	—
12.	18.1	17.4	19.0	18.2	- 1.8	0.7	13.2	6.9	6.9	- 1.3	6	6	60.4
13.	21.0	21.1	18.9	20.3	+ 0.3	3.6	8.0	5.7	5.8	- 2.4	8	7	2.9
14.	20.5	19.4	20.3	20.1	+ 0.1	4.9	9.8	6.2	7.0	- 1.2	7	6	—
15.	21.9	22.5	23.8	22.7	+ 2.7	5.4	9.4	5.9	6.9	- 1.4	7	4	—
16.	25.1	25.0	25.6	25.2	+ 5.2	3.7	11.6	6.0	7.1	- 1.3	5	4	23.3
17.	25.6	22.6	21.2	23.1	+ 3.0	2.3	13.8	8.9	8.3	- 0.3	6	5	48.9
18.	23.1	21.7	22.0	22.3	+ 2.2	3.2	10.6	5.1	6.3	- 2.5	10	5	45.7
19.	23.5	22.3	23.4	23.1	+ 3.0	2.4	12.1	6.8	7.1	- 2.0	8	6	56.5
20.	25.1	24.8	24.7	24.9	+ 4.8	2.9	9.1	4.6	5.5	- 3.9	10	6	31.7
21.	25.4	24.5	24.7	24.9	+ 4.8	1.2	12.0	6.5	6.6	- 3.0	7	7	32.4
22.	24.7	22.6	21.7	23.0	+ 2.8	3.3	12.5	6.3	7.4	- 2.3	7	5	76.4
23.	21.6	19.2	18.2	19.7	- 0.5	3.8	13.2	7.5	8.2	- 1.7	6	4	7.2
24.	18.7	18.7	19.2	18.9	- 1.3	4.8	8.7	5.8	6.4	- 3.8	6	13	—
25.	19.1	19.0	19.3	19.1	- 1.1	5.3	8.2	5.7	6.4	- 4.0	8	5	—
26.	18.9	19.1	19.3	19.1	- 1.1	5.7	8.1	6.2	6.7	- 3.9	7	10	—
27.	20.2	20.2	19.0	19.8	- 0.4	7.1	13.0	8.9	9.7	- 1.0	8	5	38.0
28.	17.4	17.0	16.4	16.9	- 3.4	5.2	11.7	9.3	8.7	- 2.0	7	6	—
29.	16.3	17.6	21.5	18.5	- 1.8	8.5	14.0	10.7	11.1	+ 0.4	8	4	—
30.	26.0	25.3	25.9	25.7	+ 5.4	9.2	13.2	12.7	13.4	+ 2.8	8	4	74.3
Mittel	20.88	20.11	20.33	20.45	+ 0.36	3.18	10.71	6.34	6.74	- 1.91	7.3	5.9	31.29
											6.6		

Am 3. Nachts ist der obere Theil des Wörthersee's eisfrei geworden.
Das Eisfloss wurde von Reifnitz westwärts getrieben und versank.

Am 18. Temperatur des Seewassers an der Oberfläche 8° C.

Am 20. Schwarzblättchengesang.

Am 29. Siroccawetter.

im April 1891.

Von **F. Seeland.**

Dunstdruck Millimeter				Luftfeuchtigkeit in Proc. d. Sätt.				Bewölkung 0=rein, 10=trüb				Winde 0=ruhig, 10=Sturm			Nieder- schlag	Schneehöhe
7 ^h	2 ^h	9 ^h	Mittel	7 ^h	2 ^h	9 ^h	Mittel	7 ^h	2 ^h	9 ^h	Mittel	7 ^h	2 ^h	9 ^h	$\frac{mm}{m}$	$\frac{mm}{m}$
2.9	5.6	3.0	3.8	84	92	68	81	4	8	0	4	NW ¹	NW ³	E ¹	—	—
3.0	2.4	2.9	2.8	87	35	56	59	1	3	0	1	W ¹	NW ¹	NW ¹	—	—
3.1	2.8	3.6	3.2	83	38	62	61	0	2	0	1	NW ¹	NW ¹	SE ¹	—	—
3.7	3.4	4.9	4.0	76	39	74	63	3	2	9	5	NW ¹	NW ¹	SE ¹	—	—
4.4	4.6	4.8	4.6	85	45	61	64	7	9	10.	9	NE ¹	SE ¹	SW ¹	—	—
4.7	4.9	4.4	4.7	84	43	62	63	5	3	0	3	SW ¹	SE ¹	W ¹	—	—
4.5	5.8	6.3	5.5	80	55	82	72	10	10	10.	10	NE ¹	NW ¹	SW ¹	—	—
5.3	5.5	4.7	5.2	85	63	70	73	10.	10.	0	7	SW ¹	SE ²	NW ¹	14.3.	—
3.8	3.3	4.4	3.8	75	30	59	55	0	5	0	2	N ¹	SW ¹	NE ²	—	—
4.8	4.5	4.9	4.7	78	57	72	69	10	10	10.	10	SE ¹	NE ⁴	NE ²	0.7.	—
5.1	3.1	3.2	3.8	78	35	48	54	10	10	0	7	SW ²	NE ³	NE ¹	—	—
3.7	3.2	5.2	4.9	76	28	70	58	0	4	9	4	NE ¹	SW ¹	NW ¹	—	—
4.9	5.4	4.9	5.1	83	67	71	74	10.	10.	9.	10	NE ¹	NE ²	NE ²	Spur.	—
5.5	5.4	6.1	5.7	84	59	87	77	10	10.	10	10	NW ¹	SE ¹	NW ¹	—	—
5.7	5.2	5.4	5.4	85	59	78	74	10.	10	9	10	NE ¹	NE ¹	SE ¹	1.1.	—
4.9	3.7	4.9	4.5	82	37	70	63	7	10	9	9	SW ¹	SW ²	NW ¹	0.2.	—
4.0	6.7	7.9	6.2	74	78	93	82	0	10	0	3	SW ¹	SW ²	E ¹	—	—
4.9	3.0	4.3	4.1	85	31	66	61	10	8	2	7	W ¹	E ²	W ¹	0.9.	—
4.5	3.1	4.2	3.9	82	30	57	56	2	9	4	5	SW ¹	W ¹	W ¹	2.3.	—
5.1	4.7	4.2	4.7	90	55	67	71	10.	3	0	4	NW ¹	NW ¹	NE ¹	0.9.△	—
4.1	3.9	4.9	4.3	82	38	68	63	2	5	4	4	NW ¹	NW ²	NE ¹	—	—
4.1	2.7	4.4	3.7	71	24	62	52	0	3	0	1	NE ¹	NE ¹	NE ¹	—	—
4.6	5.4	4.7	4.9	77	47	61	62	10	10	1	7	NW ¹	NW ¹	NW ¹	—	—
5.1	6.0	5.9	5.7	79	72	87	79	10	10.	10.	10	W ¹	NE ²	NE ³	5.0.	—
5.6	5.7	5.9	5.7	85	70	86	80	10.	10.	10.	10	NE ²	NE ³	SW ¹	3.3.	—
6.0	6.0	6.5	6.2	88	74	91	84	10.	10.	10.	10	NW ¹	NW ²	NE	6.1.	—
6.1	6.4	5.4	6.0	81	57	63	67	7	8	0	5	SW ¹	NE ¹	NW ¹	—	—
5.8	7.1	7.5	6.8	87	69	87	81	10	10	10.	10	SW ¹	SW ¹	SW ¹	24.6.	—
5.4	8.0	7.8	7.1	65	67	82	71	10.	10.	10	10	SW ¹	SW ¹	W ¹	2.8.	—
6.6	7.0	6.8	6.8	76	45	62	61	9	3	0	4	NW ¹	NW ¹	W ¹	—	—
4.73	4.82	5.13	4.89	80.9	51.3	70.7	67.6	6.6	7.5	5.0	6.4	1.0	1.6	1.2	61.5	—

Grundwasserstand in Klagenfurt:

K. k. Militärspital	439.490 Meter
Seelandbrunnen	437.459
Friedhofbrunnen	437.161
Wörtherseespiegel	441.364
Höchster Pegelstand am 2. . . .	441.398
Tiefster „ „ 23. und 25.	441.338

Drauspiegel an der Hollenburgbrücke (Opunkt 425.89 m) 426.12 m
Maximum am 30. 426.44 m, Minimum am 4. und 5. 426.02 m.

Vorläufige Uebersicht der Witterung in Kärnten im April 1891 vom Central-Observatorium in Wien.

Stationen	Sechöhe Meter	Luftdruck in Millimeter				Luftwärme in Celsius °				Dunst- druck mm	Feuch- tigkeit %	Bewölkung	Herr- schender Wind	Niederschlag			Tage		darunter mit							
		Grösster	am	Kleinst.	am	Mittel	Grösste	Kleinste	am					Mittel	Summe	Grösster in 24h	am	heiter	b. heiter	trüb	Nieder- schlag	Schnee	Hagel	Gewitter	Sturm	
Klagenfurt I.	448	726.0	30.	713.7	8.	720.4	18.2	30.	— 3.8	2.	6.7	4.9	6.8	6.4	NW	62	25	28.	7	7	16	15	0	0	0	0
do. II.	504	—	—	—	—	—	18.4	30.	— 4.0	2.	6.6	—	—	6.9	NE	—	—	—	3	11	16	—	—	—	—	—
Kappel a. d. Drau	441	—	—	—	—	—	21.0	30.	— 5.0	1.	6.4	—	—	6.2	S	80	26	28.	8	8	14	11	0	0	0	3
Saager	486	—	—	—	—	—	18.3	30.	— 4.3	2.	6.6	—	—	—	—	77	36	28.	—	—	13	0	0	0	0	0
Unterdrauburg	343	—	—	—	—	—	18.4	30.	— 5.0	1.	6.4	—	—	5.6	E	69	15	7.	11	5	14	12	0	0	0	0
Liescha	552	717.2	30.	704.4	8.	711.4	17.8	30.	— 6.2	1.	5.5	—	—	6.9	NE	50	10	28.	5	6	19	11	0	0	0	0
Bad Vellach	843	—	—	—	—	—	15.0	30.	— 10.5	1.	3.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Eisenkappel	554	—	—	—	—	—	19.1	30.	— 8.8	1.	5.9	—	—	—	—	104	46	28.	—	—	14	0	0	0	0	0
Obir	2047	599.1	30.	583.0	11.	590.3	2.2	30.	— 14.0	1.	— 4.9	3.1	96	5.9	E	143	23	28.	12	4	14	18	18	0	0	2
St. Leonhard	730	—	—	—	—	—	14.6	30.	— 5.8	1.	5.1	—	—	6.9	N	83	41	28.	3	9	18	12	0	0	0	0
St. Andrä	432	—	—	—	—	—	20.1	30.	— 5.2	1.	5.9	5.1	73	6.4	NW	54	25	28.	4	12	14	15	2	0	0	1
Stelzing	1410	—	—	—	—	—	7.8	30.	— 10.6	1.	— 0.4	—	—	7.2	W	—	—	—	2	10	18	—	—	—	—	—
Knappenberg	1045	—	—	—	—	—	14.0	30.	— 8.2	2.	2.5	—	—	4.9	W	47	19	29.	8	14	8	13	7	0	0	0
Hüttenberg	783	697.3	30.	684.1	8	690.6	14.6	30.	— 6.5	2.	5.0	—	—	4.9	W	31	15	29.	6	19	5	8	2	0	0	0
Guttaring	642	—	—	—	—	—	16.5	30.	— 6.9	2.	4.4	—	—	4.7	N	54	18	29.	12	8	10	11	2	0	0	0
W.-Bleiberg	950	—	—	—	—	—	12.0	30.	— 0.0	2.	2.8	—	—	4.4	—	—	—	—	14	4	12	8	2	0	1	0
St. Georgen a. L.	556	—	—	—	—	—	16.3	30.	— 4.2	2.	4.9	—	—	3.9	—	66	22	29.	16	8	6	7	2	1	1	0
Jauken	2072	—	—	—	—	—	9.0	30.	— 15.0	1. u. 2.	— 3.2	—	—	6.0	N	10	10	7.	8	6	16	1	1	0	0	0
Seeland	860	—	—	—	—	—	16.2	30.	— 7.6	1.	2.4	—	—	6.4	NE	144	49	28.	6	11	13	14	3	0	0	0
Lind	526	—	—	—	—	—	13.3	27. u. 29.	— 5.0	2.	5.8	—	—	6.9	SW	41	15	24.	6	6	18	4	0	0	0	0
Pörschach	464	—	—	—	—	—	17.0	30.	— 4.4	2.	6.2	—	—	3.9	SW	—	—	—	13	9	8	—	—	—	—	—
Radweg	692	—	—	—	—	—	17.0	30.	— 4.0	1.	5.6	—	—	6.6	S	62	13	24.	4	8	18	11	3	0	0	2
Sirnitz	800	—	—	—	—	—	15.2	30.	— 3.7	1.	4.7	—	—	6.4	S	106	24	24.	6	9	15	10	2	0	0	0
Reichenau	1059	—	—	—	—	—	15.0	30.	— 8.6	3.	3.1	—	—	6.0	—	26	6	25.	7	7	16	12	6	0	0	0
Bad Villach	488	—	—	—	—	—	17.2	30.	— 2.6	1.	6.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Bleiberg	927	687.2	30.	673.4	8.	679.8	15.3	30.	— 5.1	1. u. 2.	3.4	4.6	79	3.6	NE	13	4	25.	16	9	5	4	1	0	0	0
Spittal a. d. D.	554	716.3	30.	702.9	8.	709.4	19.2	30.	— 3.2	2.	6.4	—	—	6.3	SE	32	6	7.	7	7	16	9	0	0	0	1
Raibl	981	—	—	—	—	—	14.6	30.	— 8.0	1.	2.3	—	—	6.1	NE	13	5	7.	9	5	16	11	9	0	0	0
Sonnblick	3093	526.0	30.	509.4	1.	515.2	— 1.0	30.	23.4	1.	— 11.4	—	—	88	7.0	W	129	14	28.	6	5	19	25	25	0	0
Radenthein	738	—	—	—	—	—	16.2	30.	— 4.4	2.	5.0	—	—	6.5	—	43	11	24.	7	8	15	9	0	0	0	0
Cornat	1067	674.8	30.	662.7	11.	667.4	15.3	30.	— 14.1	1.	3.2	—	—	5.3	NE	49	22	28.	9	10	11	6	2	0	0	0
Völkermarkt.	461	727.0	30.	713.6	8.	721.0	20.4	30.	— 4.6	1.	6.4	5.4	74	6.6	NE	72	32	28.	5	11	14	12	0	0	0	0
Oberdrauburg	610	—	—	—	—	—	18.6	30.	— 5.5	1.	5.5	—	—	5.4	NW	62	16	7.	7	12	11	9	1	0	0	0
Greifenburg	626	—	—	—	—	—	18.8	30.	— 5.6	1.	6.6	—	—	6.1	E	27	12	28.	7	9	14	7	1	0	0	0
Waidegg	640	—	—	—	—	—	17.0	30.	— 5.0	1.	5.3	—	—	4.1	SW	—	—	—	14	8	8	7	1	0	0	0
Gmünd	728	—	—	—	—	—	18.0	30.	— 2.0	3.	6.0	—	—	2.0	NE	13	8	24.	20	4	6	4	0	0	0	0
Maltein	824	—	—	—	—	—	8.4	5.	— 9.8	19.	2.1	—	—	7.5	SW	17	17	12.	20	6	4	1	1	0	0	0
St. Peter i. K.	1217	—	—	—	—	—	14.5	30.	— 10.4	2.	9.1	—	—	6.1	N	44	14	7.	5	8	17	9	7	0	0	0

Magnetische Declinations-Beobachtungen zu Klagenfurt

von
F. Seeland. 1891.

Tag	Declination zu Klagenfurt					an fremden Stationen				Stand des Grundwassers im Hause Nr. 459
	7 ^h	2 ^h	9 ^h	Tages-Mittel	Tages-Variation	Pola 10° +	Kremsmünster 10° +	Wien 9° +	Ofen 8° +	
	9° + Min.				Min.	Minuten			m Seehöhe	
1.	47.4	55.5	50.7	51.2	8.1	12.7	9.23	3.7		437.476
2.	46.7	56.8	49.4	52.0	10.1	12.6	9.45	3.6		437.478
3.	49.4	56.2	47.4	51.0	8.8	11.5	10.11	2.8		437.481
4.	47.4	56.2	49.4	51.0	8.8	12.6	10.61	3.3		437.476
5.	48.7	56.8	50.7	52.1	8.1	12.4	12.40	4.1		437.471
6.	48.7	59.9	49.4	52.7	11.2	13.2	13.82	3.7		437.476
7.	48.0	54.8	50.7	51.2	6.8	12.7	14.02	2.6		437.471
8.	48.0	56.8	48.7	51.2	8.8	12.3	14.29	1.8		437.473
9.	46.7	57.5	48.7	51.0	10.8	12.7	8.42	2.7		437.476
10.	48.0	56.8	48.7	51.2	8.8	11.9	5.70	3.1		437.486
11.	46.7	56.8	50.0	51.2	10.1	10.7	4.65	2.2		437.492
12.	46.7	57.5	50.0	51.4	10.8	11.7	7.81	3.7		437.494
13.	46.7	56.8	49.4	51.0	10.1	12.0	7.64	3.4		437.487
14.	50.0	57.5	50.0	52.5	7.5	15.1	8.93	10.5		437.496
15.	46.7	56.8	47.4	50.3	10.1	11.9	9.36	3.7		437.501
16.	46.7	56.1	42.7*	48.5	13.4	9.8	9.68	0.4		437.510
17.	46.0	55.5	48.0	49.8	9.5	10.3	10.26	2.2		437.536
18.	46.7	56.8	49.4	51.0	12.1	10.9	9.57	2.5		437.556
19.	46.0	57.5	50.7	51.4	11.5	10.6	8.94	2.7		437.561
20.	46.0	54.0	48.0	49.3	8.0	10.5	9.88	1.7		437.596
21.	46.0	54.7	46.7	49.1	8.7	9.8	9.32	2.4		437.616
22.	46.0	54.1	48.0	49.4	8.1	10.8	8.67	2.1		437.619
23.	47.4	55.4	46.7	49.8	8.7	11.0	9.83	2.9		437.621
24.	46.0	56.8	49.4	50.7	10.8	10.6	9.78	2.8		437.671
25.	45.3	52.7	46.7	48.2	7.4	9.5	9.09	2.0		437.698
26.	46.0	55.4	48.0	49.8	9.4	10.6	10.71	3.1		437.706
27.	46.0	52.0	48.7	48.9	6.0	10.4	6.08	2.9		437.716
28.	47.4	52.7	48.0	49.4	5.3	9.9	9.29	3.6		437.716
29.	47.4	55.4	46.7	49.8	8.7	9.6	5.92	1.8		437.716
30.	45.3	55.4	46.0	48.9	10.1	10.1	6.04	2.0		437.721
31.	46.0	57.5	46.7	49.9	11.5	10.4	8.18	3.0		437.725
Mittel	47.0	55.9	48.4	50.4	9.3	11.3	9.28	3.00		437.565

Die magnetische Declination in **Klagenfurt** war 9° 50.4'; mit dem Maximum 9° 52.7' am 6. und dem Minimum 10° 48.5' am 16.

Die mittlere Tagesvariation betrug 9.3'; mit dem Maximum 12.1' am 18. und dem Minimum 5.3' am 28.

Am 16. gab es in Klagenfurt eine Störung.

Meteorologische Beobachtungen zu Klagenfurt

Tag	Luftdruck Millim. 700 +					Luftwärme Celsius °					Ozon		Sonnenschein %
	7 ^h	2 ^h	9 ^h	Mittel	Abwei- chung	7 ^h	2 ^h	9 ^h	Mittel	Abwei- chung	7 ^h	9 ^h	
1.	28.3	25.3	24.1	25.9	+ 5.5	9.4	20.8	15.1	15.1	+ 4.5	6	4	87.6
2.	24.4	21.7	21.2	22.4	+ 2.0	12.2	23.5	16.5	17.5	+ 6.9	5	4	82.1
3.	22.1	19.9	19.9	20.6	+ 0.2	12.6	22.3	17.1	17.2	+ 6.4	5	3	23.9
4.	20.4	18.8	20.5	19.9	- 0.5	15.3	24.0	16.8	18.7	+ 7.7	4	4	36.3
5.	21.0	20.4	21.5	21.0	+ 0.5	14.6	21.4	16.5	17.5	+ 6.2	4	5	36.7
6.	22.0	21.8	21.3	21.7	+ 1.2	13.6	19.1	15.6	16.1	+ 4.4	9	5	14.3
7.	21.1	18.9	18.3	19.4	- 1.2	14.9	21.0	14.4	16.8	+ 4.6	7	7	10.1
8.	16.9	15.3	13.6	15.3	- 5.6	14.4	15.2	12.4	14.0	+ 2.7	3	6	
9.	13.7	13.2	14.1	13.7	- 6.9	12.5	18.6	13.6	14.9	+ 1.8	9	8	8.1
10.	15.4	16.8	19.3	17.2	- 3.5	13.7	16.8	12.4	14.3	+ 0.9	9	4	4.0
11.	21.7	22.1	22.5	22.1	+ 1.4	10.2	19.2	14.9	14.8	+ 1.4	10	12	7.3
12.	23.4	22.7	24.5	23.5	+ 2.8	12.1	22.2	14.7	16.3	+ 2.5	7	14	63.3
13.	24.3	21.6	20.0	22.0	+ 1.2	12.1	22.4	17.6	17.4	+ 3.5	14	13	64.9
14.	20.8	19.5	19.7	20.0	- 0.8	15.6	19.2	14.6	16.5	+ 2.7	14	12	45.0
15.	18.1	14.0	13.7	15.3	- 5.5	12.5	22.6	14.4	16.5	+ 2.7	9	10	64.2
16.	10.6	11.5	13.5	11.9	- 9.0	11.6	10.6	5.4	9.0	- 4.9	13	13	—
17.	12.3	11.7	14.2	12.7	- 7.2	2.4	8.3	6.0	5.6	- 8.4	12	14	—
18.	18.9	19.5	20.2	19.5	- 1.4	7.0	12.8	8.4	9.4	- 4.6	10	6	68.6
19.	21.7	21.5	22.9	22.0	+ 1.1	7.3	18.3	13.1	12.9	- 1.3	10	6	70.6
20.	24.7	23.9	23.2	23.9	+ 2.9	12.2	20.7	14.8	15.9	+ 1.6	11	11	73.2
21.	21.4	20.4	19.8	20.5	- 0.5	14.7	18.6	14.5	15.9	+ 1.4	11	13	24.0
22.	18.2	17.9	17.8	18.0	- 3.1	15.4	17.8	13.9	15.7	+ 1.0	9	13	29.2
23.	20.6	19.1	18.5	19.4	- 1.7	11.9	17.0	11.1	13.3	- 1.6	10	11	19.1
24.	17.0	16.8	17.3	17.0	- 4.1	10.7	18.2	12.9	13.9	- 1.2	13	14	47.1
25.	19.2	17.0	16.1	17.4	- 3.8	11.8	21.5	16.4	16.6	+ 1.2	10	8	78.1
26.	16.7	16.1	17.3	16.7	- 4.5	14.4	20.8	13.2	16.1	+ 0.4	8	11	71.8
27.	18.3	16.8	17.4	17.5	- 3.7	10.4	19.2	14.9	14.6	- 1.3	10	12	10.9
28.	19.7	21.1	22.8	21.3	0.0	12.1	18.4	14.3	15.0	- 1.2	10	6	21.2
29.	24.6	22.3	21.6	22.8	+ 1.5	13.7	22.1	16.7	17.4	+ 1.0	7	5	86.0
30.	20.8	18.2	18.0	19.0	- 2.3	14.5	23.4	15.7	17.9	+ 1.3	10	9	50.9
31.	19.0	20.3	20.9	20.1	- 1.2	14.2	18.0	14.2	15.5	- 1.3	6	12	1.9
Mittel	19.91	18.91	19.22	19.35	- 1.43	12.25	19.15	13.90	15.10	+ 1.26	8.9	8.9	387.2

Am 1. herrlicher Maianfang; 5. erstes Gewitter ohne Regen aus Süd;
 7. Gewitter abends aus Süd und Regen; 17. morgens Schneien und Nachhinken
 der Eismänner; die Mondesfinsterniss am 23., zu Beginn durch Wolken un-
 sichtbar, und erst in der letzten $\frac{3}{4}$ Bedeckung bis zu Ende gut sichtbar;
 18. Wärme des Wörtherseewassers 17.2° C.

im Mai 1891.

Von F. Seeland.

Dunstdruck Millimeter				Luftfeuchtigkeit in Proc. d. Sätt.				Bewölkung 0=rein, 10=trüb				Winde 0=ruhig, 10=Sturm			Nieder- schlag	Schneehöhe
7 ^h	2 ^h	9 ^h	Mittel	7 ^h	2 ^h	9 ^h	Mittel	7 ^h	2 ^h	9 ^h	Mittel	7 ^h	2 ^h	9 ^h	$\frac{mm}{m}$	$\frac{mm}{m}$
6.8	8.3	7.6	7.6	78	46	59	61	0	2	0	1	NE ¹	NE ¹	NE ¹	—	—
7.0	8.4	6.7	7.4	66	38	49	51	0	1	1	1	NE ¹	NE ¹	W ¹	—	—
7.6	9.0	7.8	8.1	72	46	54	57	3	10	2	5	SW ¹	SW ¹	NW ¹	—	—
10.2	9.5	8.7	9.5	79	43	62	61	5	4	10	6	NW ¹	NW ¹	NW ¹	12	—
8.9	8.5	8.1	8.5	72	45	58	58	5	3	10	6	NE ¹	NE ²	SE ¹	1.2	—
10.3	10.5	70.0	10.3	89	63	76	76	10	10	5	8	NW ¹	NW ¹	SW ¹	Spur	—
10.5	12.3	10.7	11.2	84	67	88	80	7	10	10	9	SE ¹	SE ¹	SW ¹	11.8	—
10.6	10.6	9.7	10.3	87	83	91	87	10	10	10	10	SW ¹	SW ¹	SW ¹	15.6	—
9.5	10.1	9.2	9.6	89	63	80	77	10	10	10	10	NW ¹	NE ¹	SW ¹	6.1	—
9.4	8.2	9.1	8.9	81	58	86	75	7	10	10	9	NE	SE ¹	SW ¹	0.8	—
8.3	8.5	8.4	8.4	90	51	67	69	9	8	1	6	NW ¹	NE ¹	NW ¹	—	—
9.0	8.4	10.4	9.3	87	43	84	71	7	6	10	8	SE ¹	SE ²	NE ¹	12	—
8.3	9.9	10.4	9.5	79	50	66	66	2	3	2	2	NW ¹	NW ¹	NW ¹	0.2	—
11.5	8.6	9.1	9.7	87	52	74	71	3	10	1	5	SW ¹	NW ¹	SW ¹	1.7	—
9.0	8.9	8.5	8.8	85	44	70	66	2	3	10	5	W ¹	NW ³	NW ¹	2.4	—
8.8	7.9	6.7	7.8	87	86	100	91	10	10	10	10	NE ¹	NE ¹	SE ¹	1.9	—
4.8	6.5	7.0	5.8	87	79	87	84	10	10	9	10	E ¹	SW ¹	SE ¹	43.9	—
5.8	10.0	5.7	7.2	77	91	69	79	1	3	0	1	N ¹	W ¹	W ¹	3.6	8
5.6	5.9	6.3	5.8	73	38	56	56	3	2	0	2	NW ¹	SW ⁵	W ⁵	—	—
6.9	8.1	7.1	7.4	65	45	57	56	0	6	5	4	NE ¹	NE ²	SW ¹	—	—
8.7	8.8	7.5	8.3	76	55	61	62	10	10	7	9	NE ¹	SW ⁵	W ¹	—	—
9.2	8.8	8.3	8.8	70	58	70	66	4	10	3	6	SW ¹	SE ¹	SW ¹	—	—
8.0	10.2	9.1	9.1	78	71	93	81	5	9	0	5	NE ¹	E ¹	SW ¹	—	—
8.5	9.2	7.4	8.4	90	59	67	72	10	7	1	6	W ¹	SW ¹	NW ¹	2.7	—
8.4	6.8	8.4	7.9	83	36	60	60	3	2	0	2	W ¹	SW ²	W ¹	0.3	—
8.6	8.6	7.3	8.2	71	47	65	61	5	6	3	5	NW ¹	NW ³	W ³	—	—
7.7	7.9	8.2	7.6	86	48	68	67	5	10	7	7	W ¹	SW ²	E ¹	—	—
9.4	6.8	8.9	8.4	90	42	73	68	10	7	10	9	NW ¹	NW ²	NW ¹	2.1	—
8.8	8.7	8.9	8.8	75	44	65	61	0	4	1	2	NE ¹	NE ²	E ¹	0.6	—
9.1	8.7	8.0	8.6	74	40	60	58	2	6	1	3	W ¹	NE ¹	NE ¹	—	—
9.5	8.8	9.5	9.3	79	57	79	72	10	9	7	9	SE ¹	SE ³	SE ¹	—	—
8.54	9.05	8.59	8.85	80.0	54.4	70.9	68.4	5.4	7.0	5.0	5.8	1.0	1.7	1.2	94.9	8

Grundwasserstand in Klagenfurt:

K. k. Militärspital	439.680 Meter
Seelandbrunnen	437.565
Friedhofbrunnen	437.261
Wörtherseespiegel	441.404
Höchster Pegelstand am 19.	441.458
Tiefster	441.338

Drauspiegel an der Hollenburgbrücke (0punkt 425.89 m) 427.20 m
Maximum am 17. 427.74 m, Minimum am 1. 426.45 m.

Vorläufige Uebersicht der Witterung in Kärnten im

Stationen	Seehöhe Meter	Luftdruck in Millimeter					Luftwärme in Celsius			
		Grösster	am	Kleinst.	am	Mittel	Grösste		Kleinste	
Klagenfurt I.	448	728.3	1.	710.6	16.	719.3	24.0	4.	2.4	17.
dto. II.	504	—	—	—	—	—	25.0	3.	3.0	17.
Kappel a. d. Drau	441	—	—	—	—	—	25.0	13.	5.0	17.
Saager	486	—	—	—	—	—	22.6	2.	2.2	17.
Unterdrauburg	343	—	—	—	—	—	26.4	4.	4.0	17.
Liescha	552	717.1	1.	703.8	16.	710.8	17.7	30.	4.3	17.
Bad Vellach	843	—	—	—	—	—	21.0	4.	1.0	17.
Eisenkappel	554	—	—	—	—	—	23.6	2.	2.4	17.
Obir	2047	600.5	1.	583.0	17.	593.4	10.9	30.	— 8.0	17.
St. Leonhard	730	—	—	—	—	—	21.2	4.	4.4	16.
St. Andrä	432	—	—	—	—	—	29.1	4.	1.3	17.
Radenthein	738	—	—	—	—	—	21.5	4.	2.4	17.
Stelzing	1410	—	—	—	—	—	16.6	4.	— 1.2	19.
Knappenberg	1045	—	—	—	—	—	21.7	3.	1.4	18.
Hüttenberg	783	698.5	1.	682.1	17	690.7	23.0	3.	2.6	18.
Seeland	860	—	—	—	—	—	21.3	5.	3.3	17.
St. Georgen a. L.	556	—	—	—	—	—	22.0	30.	3.0	17.
Guttaring	642	—	—	—	—	—	24.0	4.	4.5	1. u. 17.
Lind	526	—	—	—	—	—	26.0	3.	3.3	17.
Pörschach	464	—	—	—	—	—	24.2	4.	3.6	17.
Radweg	692	—	—	—	—	—	24.8	4.	2.2	17.
Sirnitz	800	—	—	—	—	—	22.0	4.	5.2	17.
Reichenau	1059	—	—	—	—	—	22.8	4.	— 2.0	18.
Bad Villach	488	—	—	—	—	—	23.8	3.	3.2	16.
Bleiberg	927	687.6	1.	671.2	17.	680.2	21.5	3.	1.3	17.
Völkermarkt	461	—	—	—	—	—	27.0	4.	1.8	17.
Raibl	981	—	—	—	—	—	23.8	4.	0.2	17.
Waidegg	640	—	—	—	—	—	23.2	3.	0.0	17.
Cornat	1067	676.2	1.	658.5	16.	668.7	19.4	12.	— 2.3	18.
Jauken	2072	—	—	—	—	—	16.0	3.	— 3.0	18.
Oberdrauburg	610	—	—	—	—	—	23.3	4.	1.2	16.
Greifenburg	626	—	—	—	—	—	24.5	4.	1.2	16.
Gmünd	728	—	—	—	—	—	23.0	12.	3.0	18.
Maltein	824	—	—	—	—	—	21.9	30.	1.7	17.
St. Peter i. K.	1217	—	—	—	—	—	22.0	3.	0.2	18.
Spittal a. d. D.	554	718.3	1.	700.5	16.	709.3	26.0	3.	2.5	17.
Sonnblick	3093	526.4	1.	508.0	17.	510.5	2.1	4.	16.8	18.

Mai 1891 vom Central-Observatorium in Wien.

Mittel	Dunst- druck mm	Feuch- tigkeit ‰	Bewölkung	Herr- schender Wind	Niederschlag			Tage			darunter mit				
					Summe	Grösster in 24h	am	h-iter	h. heiter	trüb	Nieder- schlag	Schnee	Hagel	Gewitter	Sturm
15.1	88	68	5.8	NW	96	44	17	8	11	12	13	1	0	4	0
14.9	—	—	7.0	SW	—	—	—	2	7	22	13	0	0	4	0
14.2	—	—	6.3	NW	128	64	16.	4	11	16	13	1	0	1	1
14.4	—	—	—	—	113	49	16	—	—	—	14	1	0	0	0
14.6	—	—	5.0	E	184	63	16.	11	10	10	10	1	0	3	0
14.0	—	—	6.1	SW	163	65	17.	5	11	15	16	1	0	5	0
10.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14.4	—	—	—	—	144	37	16.	—	—	—	16	1	0	0	0
2.9	5.1	91	6.7	SW	110	31	16.	5	8	18	18	3	0	3	4
12.8	—	—	5.6	SW	120	45	16.	11	3	17	14	1	0	3	1
13.7	8.9	75	5.7	SE	118	19	8.	3	14	14	18	1	1	8	2
12.2	—	—	7.3	—	112	41	16.	5	4	22	18	2	0	5	0
8.1	—	—	6.3	W	—	—	—	5	10	16	—	—	—	—	—
10.9	7.4	77	4.4	SW	138	41	17.	10	16	5	16	1	0	6	0
12.3	—	—	4.9	W	90	19	17.	9	14	8	12	0	1	1	4
10.7	—	—	6.2	S	236	63	16.	7	8	16	17	1	0	1	0
13.1	—	—	3.7	—	153	40	16.	—	—	—	11	1	0	3	0
12.4	—	—	7.0	—	123	25	8.	7	8	16	13	0	0	0	0
13.2	—	—	8.2	—	184	39	8.	—	—	—	9	0	0	0	0
14.5	9.6	80	3.8	W	—	—	—	12	14	5	13	0	0	6	0
13.8	—	—	6.5	W	102	34	16.	8	4	19	14	0	0	8	6
12.9	—	—	6.3	S	218	30	16.	6	8	17	21	1	1	4	0
10.4	—	—	6.0	—	81	12	17.	—	—	—	19	2	0	0	1
14.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11.2	7.9	78	3.9	SW	35	8	16.	14	11	6	9	0	0	0	0
14.6	9.4	76	6.7	SE	121	43	16.	6	5	20	15	1	0	3	0
9.9	—	—	6.6	E	309	147	16.	6	6	21	22	1	1	1	0
12.8	—	—	5.2	SW	—	—	—	14	3	14	14	2	0	4	0
10.7	—	—	6.6	S	204	58	16.	3	9	19	16	2	0	4	0
3.4	—	—	6.5	S	39	26	8.	6	6	19	10	7	0	0	0
11.9	—	—	5.9	NW	142	39	17.	7	9	15	18	2	0	3	0
12.8	—	—	7.1	W	221	37	16.	2	6	23	14	1	0	2	0
11.6	—	—	4.7	NE	47	10	4.	13	5	13	12	0	0	1	0
9.4	—	—	6.7	S	156	56	16.	8	8	15	10	1	0	0	0
9.4	—	—	6.4	E	125	50	16.	3	9	19	17	2	0	3	0
13.3	—	—	7.1	SE	57	10	15.	4	5	22	16	0	0	0	0
— 3.0	—	84	8.1	SW	244	54	16.	2	2	27	22	22	0	1	11

Magnetische Declinations-Beobachtungen zu Klagenfurt

von
F. Seeland. Juni. 1891.

Tag	Declination zu Klagenfurt					an fremden Stationen				Stand des Grundwassers im Hause Nr. 459
	7 ^h	2 ^h	9 ^h	Tages-Mittel	Tages-Variation	Pola 10° +	Kremsmünster 10° +	Wien 9° +	Ofen 8° +	
	9° + Min.				Min.	Minuten				m Seehöhe
1.	46·7	55·4	48·0	50·0	8·7	9·7	8·41	2·5		437·723
2.	48·7	58·2	50·0	52·3	9·5	9·3	4·71	1·8		437·716
3.	50·7	56·2	51·4	52·8	5·5	9·8	8·09	3·1		437·711
4.	50·7	52·8	53·5	52·3	2·8	9·6	5·14	1·2		437·710
5.	50·7	59·6	52·1	54·1	8·9	10·0	6·61	2·8		437·707
6.	50·0	58·9	53·4	54·1	8·9	9·8	6·79	2·1		437·706
7.	48·7	57·5	52·8	53·0	8·8	9·8	6·96	1·7		437·701
8.	50·7	58·9	53·4	54·3	8·2	10·3	6·96	2·3		437·701
9.	51·4	58·2	51·4	53·7	6·8	10·6	5·55	2·6		437·696
10.	49·4	57·5	52·1	53·0	8·1	10·4	6·55	2·8		437·686
11.	49·4	58·2	53·4	53·7	8·8	10·1	5·99	1·8		437·686
12.	50·0	58·2	51·4	53·2	8·2	9·8	7·26	1·4		437·686
13.	49·4	58·9	52·8	53·7	9·5	8·9	6·89	1·9		437·675
14.	49·4	55·5	52·8	52·6	6·1	10·1	7·58	4·8		437·671
15.	50·7	58·2	52·8	53·9	7·5	8·7	7·73	2·1		437·671
16.	51·4	55·5	48·0	51·6	7·5	9·1	7·34	1·9		437·663
17.	49·4	58·2	51·4	53·0	8·8	9·7	7·60	2·7		437·657
18.	49·4	59·6	52·8	53·9	10·2	8·4	5·73	0·5		437·651
19.	49·4	59·6	52·8	53·9	10·2	8·9	8·49	2·2		437·641
20.	50·7	58·2	52·8	53·9	7·5	9·2	6·37	1·4		437·631
21.	49·4	59·6	53·4	54·1	10·2	9·3	6·59	2·5		437·626
22.	49·4	57·5	52·1	53·0	8·1	9·3	6·79	2·3		437·624
23.	46·7	58·2	53·1	52·7	11·5	9·4	6·38	2·4		437·621
24.	46·7	58·2	50·1	51·7	11·5	9·3	5·33	1·5		437·606
25.	48·0	57·5	53·4	53·0	9·5	9·2	6·07	1·7		437·601
26.	49·4	58·2	52·8	53·5	8·8	10·0	6·79	2·9		437·596
27.	48·7	56·2	53·4	52·8	7·5	9·6	7·29	2·0		437·579
28.	49·4	57·5	53·4	53·4	8·1	9·8	4·91	1·5		437·576
29.	48·0	58·9	53·4	53·4	10·9	10·1	9·13	1·5		437·556
30.	49·4	58·2	54·1	53·9	8·8	10·0	6·06	2·2		437·551
Mittel	49·4	57·8	52·3	53·2	8·5	9·6	6·74	2·1		437·654

Die mittlere magnetische Declination in **Klagenfurt** war 9° 53'2" mit dem Maximum 9° 54'3" am 8. und dem Minimum 9° 50'0" am 1.

Die mittlere Tagesvariation betrug 8'5"; mit dem Maximum 11'5" am 23. und 24. und dem Minimum 2'8" am 4.

Meteorologische Beobachtungen zu Klagenfurt

Tag	Luftdruck Millim. 700 +					Luftwärme Celsius °					Ozon		Sonnenschein %
	7 ^h	2 ^h	9 ^h	Mittel	Abwei- chung	7 ^h	2 ^h	9 ^h	Mittel	Abwei- chung	7 ^h	9 ^h	
1.	21·6	19·8	20·4	20·6	— 0·7	15·5	23·4	17·3	18·7	+ 1·8	7	10	76·4
2.	21·6	19·5	19·1	20·1	— 1·3	15·7	24·4	17·3	19·1	+ 2·0	7	10	53·8
3.	17·5	17·6	19·6	18·2	— 3·2	15·8	19·3	14·5	16·5	— 0·7	12	11	19·0
4.	21·3	19·5	20·0	20·3	— 1·2	12·8	24·9	17·9	18·5	+ 1·2	9	9	52·5
5.	20·5	19·3	22·3	20·7	— 0·8	17·7	27·2	17·0	20·6	+ 3·2	9	12	78·6
6.	23·3	21·2	19·7	21·7	+ 0·1	16·6	24·2	19·7	20·2	+ 2·8	11	10	57·8
7.	19·6	17·2	18·4	18·4	— 3·2	18·4	27·4	20·9	22·2	+ 4·7	9	13	74·2
8.	21·0	21·4	20·7	21·0	— 0·6	20·9	28·7	22·5	24·0	+ 6·5	9	4	70·4
9.	19·3	19·1	18·4	18·9	— 2·7	21·6	25·4	17·8	21·6	+ 4·1	5	10	52·5
10.	20·5	19·6	21·1	20·4	— 1·2	17·5	23·4	16·6	19·2	+ 1·7	8	4	57·5
11.	23·0	22·0	20·6	21·9	+ 0·2	14·2	18·0	15·8	16·0	— 1·5	9	5	
12.	19·2	20·7	24·5	21·5	— 0·2	13·6	19·2	13·6	15·5	— 2·0	10	3	55·6
13.	26·8	26·7	27·6	27·0	+ 5·3	8·8	17·2	11·8	12·6	— 4·8	6	3	75·0
14.	27·8	24·1	24·2	25·4	+ 3·6	9·0	20·9	16·4	15·4	— 2·0	7	4	35·6
15.	24·6	23·2	22·8	23·5	+ 1·7	12·7	21·7	16·3	16·9	— 0·5	12	13	20·0
16.	21·3	20·4	22·0	21·2	— 0·6	13·4	12·8	12·1	12·8	— 4·6	8	13	—
17.	25·7	25·9	28·7	26·8	+ 5·0	10·3	18·2	12·9	13·8	— 3·6	10	10	46·2
18.	29·4	28·9	29·1	29·1	+ 7·3	9·8	17·6	12·2	13·2	— 4·2	10	12	22·5
19.	29·1	27·1	27·0	27·7	+ 5·8	10·9	16·4	9·6	12·3	— 5·3	10	13	7·5
20.	25·5	23·3	23·6	24·1	+ 2·2	8·4	19·6	13·9	14·0	— 3·8	8	6	64·3
21.	24·3	23·5	23·3	23·7	+ 1·8	10·4	17·4	14·2	14·0	— 3·9	10	9	
22.	22·5	21·7	22·9	22·4	+ 0·5	13·2	20·4	15·2	16·3	— 1·7	7	12	15·6
23.	24·2	23·0	23·8	23·7	+ 1·7	14·1	24·6	18·9	19·2	+ 1·0	9	6	67·5
24.	24·3	22·4	21·7	22·8	+ 0·8	17·7	27·0	21·3	22·0	+ 3·8	12	7	91·9
25.	21·8	19·8	19·4	20·3	— 1·7	19·9	27·0	10·9	22·3	+ 4·0	8	6	55·6
26.	20·1	19·4	21·5	20·3	— 1·7	17·6	22·6	17·9	19·4	+ 1·0	7	12	20·0
27.	22·8	21·4	22·1	22·1	+ 0·1	18·0	26·6	21·5	22·0	+ 3·6	7	3	58·2
28.	25·0	23·7	24·3	24·3	+ 2·3	19·4	27·0	22·8	23·1	+ 4·7	6	4	63·8
29.	26·2	24·1	24·2	24·8	+ 2·8	21·2	28·4	24·1	24·6	+ 6·3	11	7	80·0
30.	24·5	23·1	25·9	24·5	+ 2·4	23·3	31·6	21·3	25·4	+ 7·2	4	6	75·0
Mittel	23·14	21·95	22·63	22·57	— 0·86	15·28	22·75	17·08	18·37	+ 0·70	8·6	8·2	48·23
											8·4		

8·4

Am 30. abends 6 Uhr ein Gewitter aus NW, das der Gegend zwischen Ossiach und Wörthersee grossen Schaden brachte. Es fiel Hagel bis zu 42 mm Grösse. Dauer 25 Minuten. Pritschitz wurde nur gestreift.

im Juni 1891.

Von F. Seeland.

Dunstdruck Millimeter				Luftfeuchtigkeit in Proc. d. Sätt.				Bewölkung 0=rein, 10=trüb				Winde 0=ruhig, 10=Sturm			Nieder- schlag	Schneehöhe
7 ^h	2 ^h	9 ^h	Mittel	7 ^h	2 ^h	9 ^h	Mittel	7 ^h	2 ^h	9 ^h	Mittel	7 ^h	2 ^h	9 ^h	$\frac{mm}{m}$	$\frac{mm}{m}$
9.5	8.9	9.1	9.2	72	41	62	58	1	3	1	2	S ¹	SE ²	SW ¹	<	—
9.5	8.7	8.2	8.8	72	38	55	55	0	4	9	4	NE ¹	SE ⁴	SW ¹	—	—
10.8	11.4	10.6	10.9	81	68	87	79	2	10	1	4	NW ¹	NW ²	NE ¹	2.9.	—
9.9	14.8	10.5	10.3	88	47	68	68	9	6	1	5	SE ¹	SE ³	NW ¹	0.1	—
10.8	11.3	11.2	11.1	71	42	78	64	0	2	10	4	E ¹	SE ²	SW ¹	1.6.	—
13.0	12.5	9.3	11.6	93	56	54	68	7	8	0	5	NE ¹	NE ¹	S ¹	—	—
11.6	12.7	14.5	12.9	74	46	79	66	3	3	8	5	NE ¹	SW ¹	SW ¹	—	—
13.0	11.1	10.8	11.6	71	38	53	54	4	5	9	6	SE ¹	SW ⁵	SW ²	Spur.	—
12.4	7.3	14.7	11.5	65	31	97	64	5	5	8	6	NE ¹	SW ⁶	S ²	Spur.	—
10.2	8.4	8.1	8.9	68	39	57	55	2	8	10	7	NE ¹	SW ⁵	NW ²	1.2.	—
10.0	10.9	11.2	10.7	84	71	84	80	10	10	8	9	NW ¹	NE ¹	SW ¹	2.8.	—
10.4	4.3	4.1	6.3	90	26	35	50	10	4	1	5	SW ¹	NW ⁵	NW ⁴	—	—
5.8	2.9	4.5	4.4	69	20	44	44	7	5	0	4	E ¹	SW ⁵	NE ²	—	—
5.2	6.6	7.2	6.7	72	36	52	53	3	9	10	7	N ¹	NW ¹	SW ¹	Spur.	—
7.5	9.3	9.4	8.7	69	84	68	62	10	10	10	10	NE	SE ¹	NW ¹	—	—
10.0	10.2	9.0	9.7	88	94	87	90	10	10	10	10	NE ¹	NW ¹	NE ¹	1.2.	—
8.0	6.0	6.0	6.7	86	38	54	59	4	3	1	3	NE ¹	NE ⁵	NW ¹	16.2	—
6.8	6.3	6.5	6.5	75	42	62	60	7	9	1	6	NE ¹	NE ³	N ⁴	—	—
8.3	7.3	8.1	7.9	83	52	91	75	10	5	2	6	NW ¹	NW ²	NW ¹	0.8.	—
7.2	7.7	7.4	7.4	88	45	62	65	10	5	9	8	NE ¹	NE ²	NW ³	1.1	—
7.8	8.7	10.2	8.9	84	59	85	76	10	10	10	10	NE ¹	SE ¹	NW ¹	Spur.	—
9.3	9.7	10.2	10.1	83	54	80	72	10	8	6	8	W ¹	SE ¹	NE ¹	—	—
9.8	10.1	10.6	10.2	83	45	65	64	7	6	1	5	NE ¹	NW ²	NE ²	—	—
10.3	11.1	11.3	10.9	68	42	61	57	0	3	0	1	NE ¹	SE ¹	W ¹	—	—
12.2	14.1	13.4	13.2	70	54	82	69	1	5	4	5	NE ¹	NE ²	SW ¹	<	—
12.6	12.2	13.1	12.6	80	60	86	75	4	10	10	4	NW ¹	SE ¹	NW ¹	0.9.	—
13.4	16.5	6.0	12.0	87	87	32	69	7	9	6	7	NW ¹	NE ¹	NW ¹	0.6.	—
14.0	12.2	15.0	13.7	84	46	73	68	7	4	3	5	SW ¹	NE ¹	NW ¹	—	—
14.5	17.0	15.2	15.6	78	59	69	69	6	0	0	2	NE ¹	NW ¹	SW ¹	—	—
16.0	22.4	10.8	16.4	79	64	32	57	0	2	10	4	NW ¹	NE ²	NW ¹	1.8.	—
10.35	10.29	9.87	10.18	78.4	49.6	66.5	64.8	5.5	6.0	5.5	5.7	1.0	2.3	1.4	31.2	—

Grundwasserstand in Klagenfurt:

K. k. Militärspital	439.610 Meter
Seelandbrunnen	437.654
Friedhofbrunnen	437.270
Wörtherseespiegel	441.324
Höchster Pegelstand am 1. .	441.398
Tiefster „ „ 28., 30.	441.268

Drauspiegel an der Hollenburgbrücke (Opunkt 425.89 m) 427.09 m
Maximum am 10. 427.79 m, Minimum am 23. 426.67 m.

Vorläufige Uebersicht der Witterung in Kärnten im

Stationen	Seehöhe Meter	Luftdruck in Millimeter					Luftwärme in Celsius			
		Grösster	am	Kleinst.	am	Mittel	Grösste		Kleinste	
Klagenfurt I.	448	729.4	18.	717.2	7.	722.6	31.6	30.	8.4	20.
do. II.	504	—	—	—	—	—	31.6	30.	8.6	20.
Kappel a. d. Drau	441	—	—	—	—	—	33.0	30.	8.4	20.
Saager	486	—	—	—	—	—	29.1	30.	8.0	14.
Unterdrauburg	343	—	—	—	—	—	32.2	30.	8.0	14. u. 20.
Liescha	552	721.4	18.	709.2	3.	714.2	32.3	30.	7.0	13.
Bad Vellach	843	—	—	—	—	—	28.0	30.	4.0	20.
Eisenkappel	554	—	—	—	—	—	31.6	30.	7.7	14.
Obir	2047	602.4	29.	592.2	3.	597.2	18.1	30.	— 2.0	12.
St. Leonhard	730	—	—	—	—	—	26.4	30.	6.4	14.
St. Andrä	432	—	—	—	—	—	34.2	30.	6.3	20.
Stelzing	1410	—	—	—	—	—	25.8	30.	2.0	13.
Knappenberg	1045	—	—	—	—	—	28.0	30.	3.7	20.
Hüttenberg	783	700.7	18.	689.4	3	694.2	30.4	30.	4.0	20.
Guttaring	642	—	—	—	—	—	29.2	30.	5.0	20.
St. Georgen a. L.	556	—	—	—	—	—	30.0	30.	5.4	14.
Luschariberg	1721	—	—	—	—	—	20.2	30.	2.0	12. 13. 19.
Pörtschach	464	—	—	—	—	—	31.2	30.	8.8	13.
Radweg	692	—	—	—	—	—	30.0	30.	8.0	16. u. 20.
Sirnitz	800	—	—	—	—	—	25.2	30.	8.3	13.
Reichenau	1059	—	—	—	—	—	25.4	30.	4.0	13.
Bad Villach	488	—	—	—	—	—	27.4	30.	8.4	13.
Bleiberg	927	688.9	18.	678.8	3.	683.6	26.5	30.	7.1	19.
Radenthain	738	—	—	—	—	—	28.3	30.	5.0	14.
Jauken	2072	—	—	—	—	—	19.0	30.	— 3.0	13.
Raibl	981	—	—	—	—	—	28.2	30.	6.6	19.
Seeland	860	—	—	—	—	—	28.9	30.	5.3	19.
Waidegg	640	—	—	—	—	—	29.4	30.	3.8	14.
Cornat	1067	677.9	14.	668.5	3.	672.4	28.4	30.	5.4	13.
Spittal a. d. D.	554	718.9	19	707.3	3.	712.3	31.4	30.	8.5	14.
Oberdrauburg	610	—	—	—	—	—	30.5	30.	8.0	14. u. 18.
Greifenburg	626	—	—	—	—	—	32.2	30.	8.2	14.
St. Peter i. K.	1217	—	—	—	—	—	26.6	30.	5.6	14. 17. 19.
Gmünd	728	—	—	—	—	—	28.4	30.	8.0	16.
Maltein	824	—	—	—	—	—	28.4	30.	6.9	17.
Krimml	1057	—	—	—	—	—	27.6	29.	4.4	14.
Sonnblick	3093	530.9	30.	519.1	12.	523.8	9.8	30.	— 11.8	13.

Juni 1891 vom Central-Observatorium in Wien.

Mittel	Dunst- druck mm	Feuch- tigkeit o/o	Bewölkung	Herr schender Wind	Niederschlag			Tage			darunter mit				
					Summe	Grösster in 24h		heiter	h. heiter	trüb	Nieder- schlag	Schnee	Hagel	Gewitter	Sturm
18.4	10.2	65	5.7	NE	31	16	17.	4	16	10	12	0	0	4	1
18.0	—	—	7.1	SW	—	—	—	1	11	18	14	0	0	—	0
17.3	—	—	6.0	NE	40	21	16.	5	14	11	6	0	0	1	3
17.6	—	—	—	—	51	19	16	—	—	—	12	0	0	0	0
17.2	—	—	3.7	E	52	18	16.	16	10	4	9	0	0	1	0
16.1	—	—	5.2	NE	55	22	16.	6	17	7	13	0	0	4	0
14.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17.7	—	—	—	—	56	15	26.	—	—	—	14	0	0	0	0
6.5	6.6	88	5.9	W	67	20	16.	3	15	12	16	2	1	3	4
14.8	—	—	5.1	N	71	21	16.	9	11	10	12	0	0	3	0
16.3	10.3	73	5.8	SE	49	17	16.	3	16	11	14	0	0	9	2
10.7	—	—	5.9	W	—	—	—	5	11	14	—	—	—	—	—
13.1	8.5	75	4.2	SW	144	35	17.	9	18	3	14	0	0	7	0
14.6	—	—	5.0	W	90	24	16.	6	19	5	11	0	0	3	0
15.1	—	—	—	—	34	9	26.	—	—	—	5	0	0	0	0
15.3	—	—	—	—	64	26	25.	—	—	—	8	0	1	5	0
10.1	—	—	—	SW	—	—	—	—	—	—	12	1	0	0	1
16.9	10.9	75	3.1	W	—	—	—	18	11	1	9	0	1	3	0
16.4	—	—	6.3	N	110	71	30.	3	12	15	12	0	1	5	7
15.0	—	—	5.7	E	162	24	16.	5	14	11	15	0	3	6	0
13.0	—	—	4.6	—	52	10	11	13	4	13	19	0	0	0	0
16.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15.3	9.0	69	3.4	SW	31	7	26.	15	14	1	8	0	0	0	0
15.5	—	—	5.7	—	93	34	30.	9	8	13	14	0	1	3	1
6.4	—	—	5.4	S	148	34	26.	6	10	14	12	3	0	0	0
13.7	—	—	5.8	S	88	24	16.	8	6	16	11	0	0	1	0
14.1	—	—	5.6	S	64	24	16.	7	11	12	12	0	0	2	0
16.7	—	—	4.3	S	—	—	—	14	9	7	—	—	—	—	—
14.9	9.6	75	5.5	S	113	16	2.	6	12	12	14	0	0	3	0
15.8	—	—	5.9	SE	65	15	4.	5	13	12	14	0	0	4	3
15.4	—	—	4.2	NW	84	17	15.	11	11	8	13	0	0	3	0
16.6	—	—	6.2	W	58	12	2.	3	11	16	8	0	0	1	0
12.4	—	—	5.9	N	94	21	30.	7	10	13	18	0	1	3	0
15.9	—	—	2.3	—	29	10	30	20	8	2	5	0	1	3	0
15.4	—	—	4.2	NW	67	26	16.	16	7	7	8	0	1	0	0
13.4	—	—	6.8	—	152	31	19.	3	9	18	20	0	1	5	0
— 1.0	—	02	8.1	SW	223	46	17.	1	4	25	25	19	2	2	6

Magnetische Declinations-Beobachtungen zu Klagenfurt

von

Juli.

F. Seeland.

1891.

Tag	Declination zu Klagenfurt					an fremden Stationen				Stand des Grund- wassers im Hause Nr. 459
	7 ^h	2 ^h	9 ^h	Tages- Mittel	Tages- Variation	Pola 10° +	Kremsmün- ster 10° +	Wien 9° +	Ofen 8° +	
	9° + Min.				Min.	Minuten			m Seehöhe	
1.	50.7	59.6	53.4	54.6	8.9	10.1	11.40	2.4		437.546
2.	49.4	58.9	52.8	53.7	9.5	9.8	7.81	1.6		437.556
3.	49.4	58.9	50.7	53.0	9.5	9.8	12.04	2.4		437.533
4.	47.4	58.9	52.1	52.8	11.5	9.3	6.75	0.8		437.526
5.	47.4	57.5	52.8	52.6	10.1	10.4	7.48	1.8		437.526
6.	48.7	57.5	53.4	53.7	8.8	10.3	7.06	2.0		437.521
7.	48.0	58.2	52.1	52.8	10.2	11.9	6.17	2.2		437.516
8.	48.0	57.5	52.8	52.8	9.5	10.7	7.05	1.0		437.516
9.	48.0	56.8	51.4	52.1	10.0	11.2	10.67	1.4		437.516
10.	48.0	58.2	52.1	52.8	10.2	10.5	8.41	1.9		437.506
11.	48.7	56.8	50.7	52.1	8.1	9.9	7.27	1.9		437.496
12.	48.7	56.8	50.7	52.1	10.1	10.0	7.74	1.9		437.496
13.	48.0	56.8	53.4	52.7	10.8	10.5	6.57	1.7		437.486
14.	48.7	56.8	52.1	52.5	8.1	9.7	8.78	1.2		437.486
15.	49.4	56.8	58.8	53.7	7.4	—	6.87	2.3		437.477
16.	48.7	56.2	53.4	52.8	7.5	—	6.11	2.1		437.471
17.	48.0	61.6	52.8	54.1	13.6	—	9.94	4.1		437.458
18.	46.0	57.5	52.1	51.9	11.5	9.4	6.16	0.6		437.456
19.	47.4	56.8	52.1	52.1	9.4	10.0	5.42	0.9		437.443
20.	48.7	58.9	51.4	53.0	10.2	10.4	6.60	2.4		437.446
21.	48.0	56.8	52.1	52.3	8.8	10.0	8.20	2.5		437.443
22.	48.0	58.2	52.8	53.0	10.2	9.3	6.01	2.0		437.442
23.	48.0	56.8	52.8	52.5	8.8	9.0	6.70	0.7		437.436
24.	48.0	58.9	52.1	53.0	10.9	10.1	8.71	1.7		437.431
25.	49.4	58.9	52.1	53.5	9.5	8.9	8.24	0.8		437.433
26.	47.4	58.9	52.1	52.8	11.5	9.2	6.25	1.2		437.426
27.	49.4	57.5	50.7	52.5	8.1	9.5	7.04	2.3		437.421
28.	48.0	57.5	51.4	52.3	9.5	9.3	6.49	1.1		437.416
29.	48.0	58.2	50.7	52.3	10.2	9.5	8.24	1.9		437.406
30.	48.7	56.8	52.1	52.5	8.1	9.8	8.24	1.7		437.423
31.	48.0	59.6	51.0	52.9	11.6	9.6	7.50	2.6		437.436
Mittel	48.3	57.9	52.2	52.8	9.8	9.9	7.67	1.79		437.474

Die magnetische Declination in **Klagenfurt** betrug im Mittel 9° 52' 8" westlich; mit dem Maximum 9° 54' 6" am 1. und dem Minimum 9° 51' 9" am 18.

Die mittlere Tagesvariation war 9' 8"; mit dem Maximum 13' 6" am 7. und dem Minimum 7' 4" am 15.

Meteorologische Beobachtungen zu Klagenfurt

Tag	Luftdruck Millim. 700 +					Luftwärme Celsius °					Ozon		Sonnenschein %
	7 ^h	2 ^h	9 ^h	Mittel	Abwei- chung	7 ^h	2 ^h	9 ^h	Mittel	Abwei- chung	7 ^h	9 ^h	
1.	25.0	23.5	21.9	23.5	+ 1.4	22.3	32.5	26.1	27.0	+ 8.9	7	6	91.2
2.	22.9	22.3	22.4	22.5	+ 0.4	24.8	26.6	19.8	23.7	+ 5.6	8	10	40.6
3.	22.6	19.6	20.1	20.8	- 0.3	21.4	30.2	23.2	24.9	+ 6.8	9	5	89.3
4.	21.0	20.0	19.3	20.3	- 0.8	21.6	30.0	23.9	25.2	+ 6.9	9	10	50.9
5.	21.2	19.6	23.0	21.3	- 0.9	19.5	26.4	16.3	20.7	+ 2.2	8	4	61.0
6.	23.5	22.0	22.0	22.5	+ 0.3	16.8	22.6	16.9	18.0	- 0.6	7	4	67.3
7.	21.7	19.3	20.1	20.4	- 1.8	16.8	27.2	18.6	20.6	+ 2.1	8	4	55.9
8.	21.5	19.8	21.4	20.9	- 1.3	16.4	22.6	15.1	18.0	- 0.5	8	12	48.1
9.	21.6	21.7	21.8	21.7	- 0.5	14.9	17.4	13.8	15.4	- 2.9	7	8	
10.	21.7	20.4	20.4	20.8	- 1.4	14.0	21.7	18.3	18.0	- 0.2	10	10	61.4
11.	21.3	19.9	21.6	20.9	- 1.4	14.6	21.2	14.9	16.9	- 1.3	9	7	48.1
12.	22.3	20.7	23.7	22.2	+ 0.1	12.7	22.5	14.7	16.6	- 1.8	10	7	41.1
13.	25.2	24.1	25.8	25.0	+ 2.7	11.9	21.6	17.6	17.0	- 1.0	9	14	65.6
14.	24.6	23.2	22.5	23.4	- 1.1	16.6	25.2	18.2	20.0	+ 1.0	8	4	86.0
15.	23.6	21.9	20.7	22.1	- 0.2	13.7	24.5	18.9	19.0	- 0.3	7	11	48.4
16.	22.0	20.3	21.1	21.1	- 1.2	18.9	28.4	20.2	22.5	+ 3.0	8	7	84.6
17.	21.6	21.3	23.7	22.3	- 0.0	21.7	24.5	19.1	21.8	+ 2.1	7	9	40.4
18.	25.7	25.3	25.5	25.5	+ 3.1	18.0	27.1	22.0	22.4	+ 2.7	9	11	56.4
19.	26.0	23.8	27.0	25.6	+ 3.2	20.5	25.6	18.8	26.1	+ 6.4	9	5	58.2
20.	26.9	25.7	25.3	26.0	+ 3.6	17.3	25.4	18.0	20.2	+ 0.5	10	10	39.3
21.	25.2	23.9	24.3	24.5	+ 2.1	16.8	24.4	16.3	19.2	- 0.5	9	3	66.9
22.	25.0	23.5	23.3	23.9	+ 1.5	14.7	25.1	20.2	20.0	+ 0.2	8	9	94.8
23.	23.9	23.3	21.6	22.9	+ 0.5	18.8	24.8	19.2	20.9	+ 1.1	7	10	58.4
24.	22.7	21.7	24.2	22.9	+ 0.5	16.5	17.8	14.1	16.1	- 3.7	11	14	
25.	25.5	25.3	26.3	25.7	+ 3.2	13.0	19.5	15.3	15.9	- 3.7	12	10	15.7
26.	26.3	24.3	23.9	24.8	+ 2.3	13.8	22.9	18.0	18.2	- 1.2	9	3	61.2
27.	23.8	20.2	18.5	20.8	- 1.7	15.3	24.2	18.4	19.3	+ 0.2	5	12	86.2
28.	21.1	20.6	19.7	20.5	- 2.0	15.9	21.7	18.9	18.8	- 0.2	6	4	21.1
29.	18.8	17.3	17.9	18.0	- 4.5	16.2	20.0	17.8	20.0	+ 1.1	5	11	42.2
30.	16.7	17.4	18.4	17.5	- 5.0	13.7	20.2	17.0	16.6	- 2.3	9	11	7.2
31.	20.0	20.3	21.9	21.1	- 1.4	15.5	21.4	17.1	18.0	- 1.0	13	9	46.0
Mittel	22.96	21.68	22.25	22.30	+ 0.02	16.90	24.23	18.28	19.80	+ 0.84	8.4	8.2	52.52

8.3

Am 2. Gewitter aus SW 2 Uhr p; am 3. Wetterleuchten in NW abends von 8—10 Uhr; 7. abends Gewitter aus West; 15. Meteor von SW gegen Nordost in Vollmondgrösse; 27. abends Wetterleuchten in NW; 29. abends 9—11 Uhr heftiges Gewitter mit Regen aus W In den Gärten und auf den Dächern Goldregenpfeifer.

im Juli 1891.

Von F. Seeland.

Dunstdruck Millimeter				Luftfeuchtigkeit in Proc. d. Sätt.				Bewölkung 0=rein, 10=trüb				Winde 0=ruhig, 10=Sturm			Nieder- schlag	Schneehöhe
7 ^h	2 ^h	9 ^h	Mittel	7 ^h	2 ^h	9 ^h	Mittel	7 ^h	2 ^h	9 ^h	Mittel	7 ^h	2 ^h	9 ^h	$\frac{mm}{h}$	$\frac{mm}{h}$
17.2	17.1	21.2	18.5	86	47	79	71	0	2	0	1	NW ¹	SW ¹	SW ¹	—	—
16.9	13.7	13.3	14.6	76	54	78	69	0	10	10	7	SE ¹	SW ⁵	NE ³	0.4 $\frac{mm}{h}$	—
13.9	15.0	13.9	14.3	74	47	66	62	0	3	1	1	NE ¹	NE ³	W ³	—	—
14.1	10.6	15.7	13.5	74	33	73	60	0	10	9	6	NE ¹	SW ⁶	SW ¹	2.0 $\frac{mm}{h}$	—
13.7	12.8	12.6	13.0	81	50	92	74	7	5	10	7	SE ¹	SW ²	SW ¹	7.2 $\frac{mm}{h}$	—
12.3	9.7	10.1	10.7	87	48	71	69	4	7	1	4	SW ¹	NE ²	SE ¹	Spur	—
11.7	10.7	11.2	11.2	86	40	70	65	5	6	10	7	NW ¹	NW ¹	NW ¹	16.6 $\frac{mm}{h}$	—
12.0	13.0	11.1	12.0	86	64	87	79	7	8	10	8	E ¹	NW ¹	W ¹	12.3 $\frac{mm}{h}$	—
10.4	10.5	9.5	10.1	83	71	81	78	10	10	10	10	NE ¹	NE ¹	SW ¹	16.6 $\frac{mm}{h}$	—
10.2	9.5	11.4	10.4	86	49	73	69	10	4	9	8	NW ¹	NW ²	NW ²	—	—
9.4	8.4	9.4	9.1	67	45	74	65	7	3	9	6	W ¹	NE ³	NW ¹	$\frac{mm}{h}$	—
9.3	10.0	9.5	9.6	86	50	76	71	8	7	1	5	NE ²	NW ¹	NW ¹	1.2 $\frac{mm}{h}$	—
9.0	9.5	11.7	10.1	87	50	78	72	10	4	1	5	S ¹	NE ¹	NE ¹	—	—
10.6	18.4	14.3	14.4	75	77	92	81	1	3	4	3	NW ¹	NW ²	NW ¹	—	—
10.9	19.6	15.3	15.3	94	86	94	91	9	2	1	4	NW	SE	NW	Spur	—
11.3	12.0	13.7	12.6	70	45	78	64	1	2	4	2	N ¹	NW ³	NW ²	$\frac{mm}{h}$	—
14.9	13.1	14.5	14.2	77	57	88	74	3	8	8	6	NE	NE ⁴	NE ¹	5.0 $\frac{mm}{h}$	—
12.9	12.4	15.3	13.5	84	46	78	69	7	3	6	5	SW ¹	NE ¹	NW ¹	—	—
13.4	19.7	14.7	15.9	74	81	91	82	0	10	10	7	NE ¹	NW ³	NW ²	15.7 $\frac{mm}{h}$	—
12.4	18.8	14.0	15.1	85	79	91	85	10	5	10	8	W ¹	NW ¹	W ¹	—	—
10.0	19.8	12.9	14.2	70	88	94	84	0	4	0	1	NE ¹	NE ²	NE ¹	—	—
9.7	9.6	15.8	11.7	78	41	90	70	0	3	3	2	NE ¹	NE ¹	NE ¹	—	—
12.1	13.8	11.9	12.6	75	59	72	69	2	9	6	6	NE ¹	SW ²	SW ¹	—	—
12.9	13.6	11.4	12.6	93	90	96	93	10	10	10	10	NW ¹	NW ¹	S ¹	12.2 $\frac{mm}{h}$	—
10.1	8.7	10.8	9.9	91	52	64	76	10	8	9	9	SW ¹	SW ¹	NE ¹	27.3 $\frac{mm}{h}$	—
9.9	9.3	10.6	9.9	85	45	69	66	10	3	4	6	NW	NW	NW	0.9 $\frac{mm}{h}$	—
10.4	13.2	11.6	11.7	81	59	74	71	10	2	0	1	NE	NE	NW	5.2 $\frac{mm}{h}$	—
12.4	12.9	12.9	12.7	92	67	80	80	0	9	10	10	SW	NE	SW	2.2 $\frac{mm}{h}$	—
12.2	14.4	10.8	12.5	89	58	71	73	7	8	10	8	SE ¹	SW ¹	NW ²	29.1 $\frac{mm}{h}$	—
11.0	11.1	13.2	11.8	95	63	92	83	10	9	10	10	NE ¹	SW ¹	SW ¹	2.6 $\frac{mm}{h}$	—
11.1	13.9	11.3	12.1	84	74	78	79	7	8	1	5	W ¹	SW ¹	SW ¹	—	—
11.87	13.09	12.76	12.55	82.6	58.6	81.0	74.1	5.3	6.0	6.0	5.8	1.0	1.9	1.3	158.5	—

Grundwasserstand in Klagenfurt:

K. k. Militärspital	439.310 Meter
Seelandbrunnen	437.474
Friedhofbrunnen	437.111
Wörtherseespiegel	441.284

Höchster Pegelstand am 30. .	441.318
Tiefster „ 2. 9.	441.268

Drauspiegel an der Hollenburgbrücke (Opunkt 425.89 m) 427.11 m
Maximum am 30. 427.84 m, Minimum am 15. 426.77 m.

Vorläufige Uebersicht der Witterung in Kärnten im Juli 1891 vom Central-Observatorium in Wien.

Stationen	Seehöhe Meter	Luftdruck in Millimeter				Luftwärme in Celsius °				Donner- druck mm	Feuch- tigkeit %	Nebelung	Herr- schender Wind	Niederschlag			Tage			darunter mit						
		Grösster	am	Kleinst.	Mittel	Grösste	am	Kleinst.	Mittel					Summe	Grösster in 24h	am	heiter	h. heiter	trüb	Nieder- schlag	Schnee	Hagel	Gewitter	Sturm		
Klagenfurt I.	448	726.3	26.	716.7	30.	722.3	32.5	1.	11.9	13.	19.8	12.5	74	5.8	NW	158	29	29.	7	11	13	16	0	0	9	1
dto. II.	504	—	—	—	—	—	30.6	3.	13.2	13.	19.4	—	—	6.5	SW	—	—	—	3	12	16	16	0	0	9	0
Kappel a. d. Drau	441	—	—	—	—	—	34.0	2.	12.0	13.	19.0	—	—	5.9	NW	177	40	29.	8	10	13	16	0	0	2	1
Saager	486	—	—	—	—	—	29.9	1.	11.0	13.	18.7	—	—	—	—	157	33	24.	—	—	—	16	0	1	0	0
Unterdrauburg	343	—	—	—	—	—	32.6	1.	10.4	13.	18.4	—	—	4.3	E	134	43	24.	15	6	10	12	0	0	3	0
Liescha	552	718.3	19.	707.3	30.	714.1	32.0	1.	10.5	30.	18.0	—	—	5.7	W	106	21	24.	6	14	11	12	0	0	1	0
Bad Vellach	843	—	—	—	—	—	29.0	20.	11.0	9.	18.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Eisenkappel	554	—	—	—	—	—	32.4	1.	11.2	13.	18.4	—	—	—	—	156	40	29.	—	—	—	15	0	0	0	0
Obir	2047	602.2	18.	591.6	30.	597.9	20.5	1.	2.8	24.	8.9	7.3	85	4.8	W	168	42	24.	8	13	10	18	0	2	2	3
St. Leonhard	730	—	—	—	—	—	26.6	4.	9.4	13.	16.2	—	—	5.0	NW	145	39	24.	11	10	10	17	0	0	9	0
St. Andrä	432	—	—	—	—	—	33.2	1.	9.2	13.	17.4	11.6	76	5.7	SE	167	43	5.	6	12	13	19	0	1	13	2
Stelzing	1410	—	—	—	—	—	24.0	1.	6.0	10.	12.3	—	—	6.6	W	—	—	—	2	12	17	—	—	—	—	—
Knappenberg	1045	—	—	—	—	—	26.9	1.	7.4	10.	14.8	9.6	76	4.5	W	222	40	30.	11	13	7	15	0	0	8	0
Hüttenberg	783	698.4	1.	689.7	30	694.5	28.7	1.	7.0	30.	16.3	—	—	4.9	W	155	33	30.	8	15	8	10	0	0	5	0
Spittal a. d. D	554	716.7	26.	706.6	30.	712.4	30.5	1.	10.8	13.	17.4	—	—	6.3	S	205	38	8.	7	9	15	15	0	0	5	2
Seeland	860	—	—	—	—	—	29.6	1.	8.2	12.	15.8	—	—	5.8	S	145	35	29.	10	8	13	20	0	1	4	0
Pörschach	464	—	—	—	—	—	29.0	1.	11.2	13.	18.3	12.5	79	3.5	W	—	—	—	14	9	8	11	1	0	7	0
Radweg	692	—	—	—	—	—	28.4	1.	12.0	14.	18.0	—	—	5.7	S	170	42	29.	9	7	15	14	0	1	12	3
Sirnitz	800	—	—	—	—	—	26.3	1.	11.3	13.	16.5	—	—	5.9	E	240	31	24.	8	8	15	19	0	1	8	0
Reichenau	1059	—	—	—	—	—	26.4	1.	7.0	14.	14.5	—	—	7.3	—	97	13	6.	6	8	17	14	0	0	0	0
Bad Villach	488	—	—	—	—	—	27.4	1.	9.2	10.	17.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Bleiberg	927	688.2	19.	678.0	30.	683.6	28.8	1.	9.9	9.	16.3	10.3	74	2.7	SW	102	29	29.	20	9	2	13	0	0	0	0
Radenthein	738	—	—	—	—	—	27.4	1.	10.9	13.	16.7	—	—	5.7	—	148	37	29.	9	6	16	16	0	1	9	1
Jauken	2072	—	—	—	—	—	22.0	1.	3.0	6.	8.8	—	—	5.1	S	208	42	29.	9	9	13	14	3	2	6	0
Raibl	981	—	—	—	—	—	29.0	2.	8.6	9.	15.1	—	—	5.7	N	322	62	28.	10	7	14	16	0	1	2	0
Cornat	1067	676.7	21.	667.5	29.	672.3	28.2	1.	6.4	26.	15.9	10.6	77	5.1	S	264	55	29.	7	11	13	16	0	0	10	0
Krimml	1057	—	—	—	—	—	27.4	2.	8.6	6.	13.9	—	—	7.4	—	240	39	4.	3	5	23	23	0	0	5	0
Oberdrauburg	610	—	—	—	—	—	29.2	1.	10.0	13.	16.5	—	—	5.3	NW	202	69	29.	8	9	14	15	0	0	6	0
Greifenburg	626	—	—	—	—	—	28.8	3.	11.0	13.	17.7	—	—	6.5	E	184	44	29.	5	6	20	17	0	0	9	0
Gmünd	728	—	—	—	—	—	30.0	1.	10.0	30.	16.8	—	—	4.1	N	103	28	30.	10	7	14	9	0	0	2	0
Maltein	824	—	—	—	—	—	28.2	2.	10.9	7.	17.5	—	—	6.2	S	212	44	29.	7	10	14	16	0	0	0	0
St. Peter i. K.	1217	—	—	—	—	—	26.2	1.	7.4	10.	13.8	—	—	6.2	N	211	45	29.	4	8	18	20	0	0	6	0
Glocknerhaus	2111	—	—	—	—	—	19.3	1.	2.0	25.	7.8	—	—	6.5	NW	355	37	29.	5	8	18	21	0	0	3	9
Sonnblick	3093	530.1	1.	519.3	30.	524.7	8.8	1.	4.4	13.	0.3	—	95	8.1	NW	342	38	29.	0	5	26	26	21	9	11	6

Magnetische Declinations-Beobachtungen zu Klagenfurt

von

August.

F. Seeland.

1891.

Tag	Declination zu Klagenfurt					an fremden Stationen				Stand des Grundwassers im Hause Nr. 459
	7 ^h	2 ^h	9 ^h	Tages-Mittel	Tages-Variation	+ Pola 10°	+ Kremsmünster 10°	+ Wien 9°	+ Ofen 8°	
	9° + Min.				Min.	Minuten				m Seehöhe
1.	47.4	58.2	50.7	52.1	10.8	9.4	6.57	3.9		437.426
2.	47.4	58.2	51.4	52.2	10.8	9.2	3.73	2.9		437.411
3.	48.0	59.6	52.1	53.2	11.6	9.2	6.95	2.5		437.406
4.	47.4	58.2	51.2	52.3	10.8	9.3	6.82	4.7		437.404
5.	48.0	56.8	52.1	52.3	8.8	9.4	5.63	4.0		437.401
6.	47.4	58.2	52.1	52.6	10.8	10.1	7.32	4.7		437.396
7.	47.4	58.2	52.8	52.8	10.8	10.0	6.25	4.4		437.387
8.	48.0	58.2	51.4	52.5	10.2	10.1	6.70	4.6		437.380
9.	48.0	58.2	51.4	52.5	10.2	10.0	5.94	4.3		437.371
10.	50.0	59.6	50.7	53.4	9.6	9.9	4.96	3.9		437.366
11.	49.4	58.2	50.7	52.8	8.8	9.4	10.38	3.1		437.356
12.	47.4	58.9	50.0	52.1	11.5	9.1	11.39	1.0		437.359
13.	49.4	59.6	51.4	53.5	10.2	9.2	6.61	2.1		437.346
14.	49.4	57.5	49.1	52.1	8.1	9.2	5.42	1.5		437.376
15.	49.4	57.5	49.4	52.1	8.1	9.0	4.05	1.6		437.342
16.	48.0	59.6	49.4	52.3	11.6	9.2	5.94	0.4		437.337
17.	48.7	55.5	49.4	51.2	6.8	9.0	4.90	1.1		437.336
18.	47.4	55.5	50.7	51.2	8.1	9.1	4.70	0.7		437.332
19.	47.4	56.2	49.4	51.0	8.8	9.2	5.80	1.2		437.325
20.	48.0	58.9	51.4	52.8	10.9	9.1	7.75	1.8		437.331
21.	48.7	57.5	49.4	51.9	8.8	9.9	10.21	1.5		437.358
22.	43.4*)	57.5	50.7	50.5	14.1*)	9.1	7.67	1.2		437.366
23.	48.0	56.8	50.0	51.6	8.8	9.1	6.11	0.9		437.411
24.	48.0	56.2	49.4	51.2	8.2	9.3	6.87	1.0		437.451
25.	48.0	56.2	49.4	51.2	8.2	9.8	4.91	1.1		437.466
26.	47.4	55.5	50.7	51.2	8.2	9.1	4.95	0.9		437.520
27.	48.7	55.5	50.0	51.4	6.8	8.7	5.26	1.1		437.791
28.	48.0	56.2	50.7	51.6	8.2	9.5	4.56	0.6		437.016
29.	57.5*)	58.9	47.4	54.6	11.5**)	10.0	3.91	1.8		437.016
30.	49.4	52.2	52.8	52.8	6.8	8.2	4.96	8°59.2		437.086
31.	49.4	51.8	51.4	50.9	5.4	8.6	5.88	0.4		437.116
Mittel	48.4	57.4	50.6	52.1	9.4	8.2	6.23	2.1		437.482

Die mittlere magnetische Declination in **Klagenfurt** war 9° 52.1' westlich; mit dem Maximum 9° 54.6' am 29. und dem Minimum 9° 50.5' am 22.

Die mittlere Tagesvariation war 9.4'; mit dem Maximum 14.1' am 22. und dem Minimum 6.8' am 31.

Am 22. und 29. gab es Störungen.

*) Störung morgens ins Minimum.

**) Störung morgens ins Maximum.

Meteorologische Beobachtungen zu Klagenfurt

Tag	Luftdruck Millim. 700 +					Luftwärme Celsius °					Ozon		Sonnenchein 0/10
	7 ^h	2 ^h	9 ^h	Mittel	Abweichung	7 ^h	2 ^h	9 ^h	Mittel	Abweichung	7 ^h	9 ^h	
1.	21.7	21.0	24.4	22.4	— 0.1	15.5	19.9	13.1	16.2	— 2.8	5	5	6.7
2.	27.1	26.0	24.5	25.9	+ 3.3	12.4	16.8	12.7	14.0	— 5.0	7	13	2.0
3.	24.7	22.1	20.3	22.4	— 0.2	13.5	20.4	15.9	18.6	— 0.4	10	12	43.6
4.	19.9	20.3	21.1	20.4	2.2	14.0	23.6	17.6	18.4	— 0.6	6	9	51.4
5.	21.4	19.5	19.3	20.1	— 2.5	16.0	24.0	18.3	19.4	+ 0.5		3	79.7
6.	20.8	20.8	24.1	21.0	— 0.7	14.0	16.6	11.6	14.1	— 4.8	12	10	
7.	25.7	24.2	23.9	24.6	+ 2.0	9.9	18.5	15.2	14.5	— 4.2	12	7	15.6
8.	25.5	25.7	27.1	26.1	+ 3.5	12.4	21.4	12.7	15.5	— 3.1	12	7	54.4
9.	28.1	25.6	24.4	26.0	+ 3.3	11.4	21.4	16.5	16.4	— 2.2	5	7	91.1
10.	25.0	22.2	21.5	22.9	+ 0.2	13.4	24.2	19.7	19.2	+ 0.7	7	8	85.6
11.	23.0	22.1	24.8	23.3	+ 0.6	14.4	23.2	15.8	17.8	— 0.6	8	12	60.0
12.	25.6	24.3	24.0	24.6	+ 1.0	16.1	21.6	17.7	18.5	+ 0.1	9	12	51.7
13.	24.6	23.0	25.0	24.2	1.5	16.5	25.0	18.8	20.1	+ 1.6	8	6	45.8
14.	26.9	25.7	25.3	26.0	+ 3.3	16.2	23.8	19.6	19.9	+ 1.5	6	9	60.8
15.	25.9	23.5	22.9	24.1	+ 1.4	16.7	25.3	20.6	20.9	+ 2.6	5	5	
16.	21.9	19.7	23.8	21.8	— 0.9	18.6	26.8	16.4	20.6	+ 2.5	6	12	50.0
17.	24.2	22.3	21.3	22.6	— 0.1	15.6	22.8	18.5	19.0	+ 1.1	6	1	48.6
18.	21.8	20.8	20.6	21.1	— 1.6	17.9	24.4	17.8	20.0	+ 2.4	5	4	61.0
19.	20.2	18.4	20.4	19.7	— 3.1	16.4	25.8	17.6	20.0	+ 2.7	5	4	50.3
20.	19.1	19.4	20.8	19.8	— 3.0	13.8	17.2	13.3	14.8	— 2.4	9	4	31.3
21.	22.6	20.4	19.5	20.8	— 2.0	10.1	21.7	16.2	16.0	— 1.1	6	6	74.3
22.	19.4	17.8	16.0	17.7	— 5.1	14.4	19.0	16.4	16.6	— 0.4	7	5	11.4
23.	16.3	13.8	15.1	15.1	7.7	13.7	17.1	12.4	14.4	— 2.6	13	7	1.4
24.	19.5	21.7	24.4	21.9	— 0.9	11.2	17.7	12.8	13.9	— 3.0	7	7	51.4
25.	27.3	26.0	25.5	26.3	+ 3.5	12.4	19.5	14.5	15.5	— 1.4	13	4	73.9
26.	27.3	26.6	27.0	27.0	+ 4.2	11.7	21.4	16.3	16.6	— 0.3	9	4	92.7
27.	27.6	25.4	24.6	25.9	+ 3.1	11.8	22.3	16.5	16.9	+ 0.1	6	11	90.5
28.	24.6	23.1	23.9	23.9	+ 1.1	12.7	24.9	17.2	18.0	+ 1.3	9	9	94.1
29.	25.8	24.4	24.6	24.9	+ 2.1	14.9	24.4	19.8	19.7	+ 3.0	6	12	67.6
30.	25.5	24.7	24.9	25.0	+ 2.2	16.4	23.6	15.4	18.5	+ 1.9	13	11	23.0
31.	23.3	21.0	22.5	22.3	— 0.5	14.5	19.0	14.5	16.0	— 0.4	7	6	2.2
Mittel	23.84	22.31	22.82	22.92	+ 0.24	14.14	21.70	16.18	17.34	— 0.50	8.0	7.5	50.44
											7.7		

Am 11 Nachmittags Gewitter aus NW und SE von 7—10 Uhr Abends
 16. Nachmittags Gewitter aus N. und NW gegen SE von 4—5 Uhr; dann von W gegen E von 7—8 Uhr Abends; 19 und 20. Nachts heftiges Gewitter aus SW; Nachts vom 22. auf 23. 7 Gewitter aus SW; tagsüber am 23. von 7 Uhr Fröh bis 1/29 Uhr Abend 5 Gewitter aus SW; an dem Tage stürzte der neue 22 Meter hohe Thurm in Pörschach nach beendeter Predigt ein; am 24. Abends 8 Uhr Gewitter aus W.

im August 1891.

Von F. Seeland.

Dunstdruck Millimeter				Luftfeuchtigkeit in Proc. d. Sätt.				Bewölkung 0=rein, 10=trüb				Winde 0=ruhig, 10=Sturm			Nieder- schlag	Schneehöhe
7 ^h	2 ^h	9 ^h	Mittel	7 ^h	2 ^h	9 ^h	Mittel	7 ^h	2 ^h	9 ^h	Mittel	7 ^h	2 ^h	9 ^h		
11·6	12·8	9·8	11·4	88	74	88	83	8	10·	10·	9	NW ¹	NW ¹	NE ¹	0·6·	—
9·6	11·5	9·8	10·3	90	80	90	87	10	10	0	7	NE ¹	SW ¹	SW ¹	9·5·	—
9·9	11·3	10·5	10·6	87	63	78	76	10	4	4	6	NE ¹	NE ¹	W ¹	2·1	—
10·0	12·9	12·9	11·9	85	59	86	77	0	6	8	5	SE ¹	SW ¹	SW ¹	—	—
11·5	10·4	10·3	10·7	85	48	65	66	2	4	1	2	N ¹	SW ³	SW ⁰	Spur·	—
10·2	9·6	9·2	9·7	86	69	91	82	9	10	1	7	SW ⁹	NW ²	SW ¹	4·1	—
7·7	10·0	10·1	9·3	84	63	78	75	8	8	10	9	NE ¹	SW ⁰	NE ¹	0·4	—
9·3	9·7	10·3	9·8	88	51	95	78	10	3	0	4	NW ¹	SW ²	NE ¹	—	—
8·2	11·5	10·9	10·2	82	61	78	74	0	1	1	1	S ¹	SW ¹	NW ¹	—	—
10·8	10·8	10·4	10·7	95	48	61	68	7	0	0	2	NW ¹	NW ¹	NW ¹	—	—
10·6	11·5	12·5	11·5	87	55	93	78	0	6	10·	5	NE ¹	NE ⁴	SE ¹	25·0	—
12·3	11·8	13·2	12·4	90	62	88	89	10	2	1	4	NW ¹	NW ²	NW ¹	—	—
12·2	14·2	14·1	13·5	87	60	87	78	3	8	10·	7	NE ¹	NE ¹	SW ¹	0·2	—
12·1	13·7	13·6	13·1	88	63	81	77	10	2	4	5	NW ¹	NE ¹	NW ¹	—	—
11·7	14·3	14·7	13·6	82	60	82	75	0	0	0	0	NE ¹	W ¹	W ¹	Spur·	—
13·7	14·3	17·7	13·6	86	57	92	78	0	10	10·	7	NW ¹	SW ¹	SW ²	11·0	—
11·2	13·4	13·3	13·0	85	65	90	80	7	3	4	5	NE	NE ²	W ¹	—	—
13·4	14·4	19·9	13·6	88	63	85	79	10	2	1	4	NW ⁰	NE ³	NW ¹	—	—
12·4	14·9	12·2	13·8	89	60	93	81	10	5	10·	8	NE ¹	NE ²	SW ⁶	—	—
9·6	8·7	9·9	9·4	82	60	88	77	10·	5	0	5	W ¹	NE ¹	NE ¹	36·7	—
8·1	11·5	12·4	10·7	88	60	90	79	5	3	0	3	SE ¹	SE ¹	NW ¹	12·3	—
11·2	13·3	12·9	12·6	93	85	93	90	10·	10·	10	10	NW ¹	NW ¹	SW ¹	2·4	—
10·6	11·3	9·8	10·6	92	78	93	88	10	10·	1	7	NW ²	SW ¹	SW ¹	67·3	—
8·9	9·4	9·8	9·4	90	62	90	81	10	1	10·	7	NE ¹	NE ¹	NW ¹	29·4	—
9·5	10·8	10·5	10·3	89	64	86	80	7	2	0	3	NE ¹	NE ¹	NE ¹	8·4	—
9·1	11·3	10·4	10·3	89	60	75	75	3	1	0	1	NE ¹	NE ¹	NE ¹	—	—
9·6	11·8	11·6	11·0	94	59	83	79	1	0	0	0	NE ¹	NE ¹	SW ¹	—	—
9·3	11·6	13·2	11·4	86	51	91	76	0	0	0	0	W ¹	NE ¹	NE ¹	—	—
10·9	13·2	16·4	13·5	87	58	95	80	7	2	9·	6	W ¹	NE ³	SW ¹	0·3·	—
12·4	13·9	12·6	13·0	89	64	97	83	10	6	0	5	NW ¹	SW ¹	NE ¹	0·2·	—
10·9	12·6	11·2	11·6	90	77	92	86	10	10	3	8	NE ¹	NE ¹	E ¹	13·7	—
10·69	12·03	11·84	11·50	87·8	62·5	86·2	78·9	6·4	4·6	3·8	4·9	1·0	1·4	1·2	223·6	—

Grundwasserstand in Klagenfurt:

K. k. Militärspital	439·310 Meter
Seelandbrunnen	437·482
Friedhofbrunnen	437·108
Wörtherseespiegel	441·427
Höchster Pegelstand am 27. 28.	441·608
Tiefster „ „ 18.	441·288

Drauspiegel an der Hollenburgbrücke (Opunkt 425·89 m) 427·21 m
Maximum am 23. 428·69 m, Minimum am 14. 18. 426·87 m.

Vorläufige Übersicht der Witterung in Kärnten

Stationen	Seehöhe Meter	Luftdruck in Millimeter					Luftwärme in		
		Grösster	am	Kleinst.	am	Mittel	Grösste		Kleinste
Klagenfurt I.	448	728.1	9.	713.8	23.	722.9	26.8	16.	9.9
dto. II.	504	—	—	—	—	—	29.8	16.	9.2
Kappel a. d. Drau	441	—	—	—	—	—	28.0	16.	9.2
Saager	486	—	—	—	—	—	24.6	5	9.8
Unterdrauburg	343	—	—	—	—	—	29.2	16.	10.0
Liescha	552	719.1	9.	706.1	23.	714.5	27.0	16.	9.2
Bad Vellach	843	—	—	—	—	—	22.5	16.	6.0
Eisenkappel	554	—	—	—	—	—	28.4	16.	9.6
Obir	2047	601.6	26.	589.6	23.	597.9	17.6	15.	2.2
St. Andrä	432	—	—	—	—	—	28.3	13. u. 15.	8.4
Stelzing	1410	—	—	—	—	—	20.4	16.	4.0
Knappenberg	1045	—	—	—	—	—	23.1	19.	4.2
Hüttenberg	783	700.1	9.	685.4	23.	694.8	24.2	19.	5.4
Guttaring	642	—	—	—	—	—	25.2	19.	4.0
St. Georgen a. L.	556	—	—	—	—	—	25.4	19.	7.0
Luschariberg	1721	—	—	—	—	—	21.6	2.	5.0
Pörschach	464	—	—	—	—	—	26.6	15.	10.0
Radweg	692	—	—	—	—	—	26.2	16.	8.4
Sirnitz	800	—	—	—	—	—	22.0	11.	8.8
Reichenau	1059	—	—	—	—	—	26.0	16.	5.2
Bad Villach	488	—	—	—	—	—	22.8	12. u. 18.	10.0
Bleiherg	927	688.4	26.	676.2	23.	684.0	22.8	15.	7.6
Seeland	860	—	—	—	—	—	25.6	15.	6.1
M. Luschary	—	—	—	—	—	—	18.7	16.	4.0
Raibl	981	—	—	—	—	—	25.2	15.	7.2
Spittal a. d. D	554	717.9	26.	704.0	23.	713.1	25.3	14.	7.5
Waidegg	640	—	—	—	—	—	26.4	15.	10.2
Cornat	1067	677.4	27.	665.3	23.	672.9	25.1	15.	6.4
St. Peter i. K	1217	—	—	—	—	—	25.8	15.	9.8
Oberdrauburg	610	—	—	—	—	—	25.0	10.	8.0
Greifenburg	626	—	—	—	—	—	25.8	15.	8.0
Radenthein	738	—	—	—	—	—	24.3	19.	8.4
Gmünd	728	—	—	—	—	—	24.3	19.	9.0
Maltein	824	—	—	—	—	—	23.4	28.	7.3
Krimml	1057	—	—	—	—	—	25.2	27.	5.4
Glocknerhaus	2111	—	—	—	—	—	15.4	15.	2.1
Sonnblick	3093	529.2	26.	516.6	23.	524.7	7.0	15.	— 6.0

Im August 1891 vom Central-Observatorium in Wien.

Celsius °		Dunst- druck mm	Feuch- tigkeit %	Bewölkung	Herr- schender Wind	Niederschlag			Tage			darunter mit				
am	Mittel					Summe	Größter in 24h		h. heiter	h. heiter	trüb	Nieder- schlag	Schnee	Hagel	Gewitter	Sturm
7.	17.0	11.5	79	4.9	NE	224	67	23.	9	11	11	16	0	0	10	1
7.	17.4	—	—	5.5	SW	—	—	—	6	12	13	16	0	0	7	0
9.	16.8	—	—	5.9	S	209	68	22.	8	8	15	15	0	0	8	0
21.	16.7	—	—	—	—	239	62	19.	—	—	—	16	0	0	0	0
9. 21.	17.5	—	—	4.7	E	169	47	19.	18	5	8	11	0	0	3	0
9.	16.4	—	—	5.7	SW	200	48	21.	7	12	16	14	0	0	8	0
22.	15.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
21.	17.0	—	—	—	—	232	54	19.	—	—	—	14	—	—	—	—
19.	8.3	7.1	87	4.7	SW	231	64	19.	12	8	11	15	1	4	2	1
21.	15.8	11.4	83	5.8	SE	157	38	19.	4	15	12	15	0	1	9	1
7.	11.8	—	—	5.9	W	—	—	—	6	12	13	—	—	—	—	—
7.	13.4	9.7	84	3.8	SW	226	52	23.	14	13	4	15	0	1	6	0
7.	15.1	—	—	4.3	W	159	45	23.	9	15	7	15	0	1	6	2
7.	15.0	—	—	4.8	W	178	47	22.	12	10	9	10	0	0	0	0
7.	15.5	—	—	4.0	—	228	57	23.	—	—	—	13	0	1	8	0
9.	11.8	—	—	5.9	SW	—	—	—	6	13	12	20	0	2	6	2
7.	16.5	12.5	87	4.4	SW	—	—	—	9	16	6	15	1	0	8	0
7.	16.3	—	—	5.4	W	237	58	22.	6	12	13	16	0	0	11	0
7.	15.2	—	—	5.2	E	343	35	23.	8	8	15	16	0	0	7	0
7.	12.8	—	—	4.7	SW	97	15	23.	9	9	13	15	0	0	0	0
6.	15.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
23.	14.2	10.0	81	2.8	SW	239	68	22.	20	9	10	14	0	0	0	0
26.	13.7	—	—	5.4	S	280	95	22.	11	5	15	15	0	1	5	0
6.	10.0	—	—	5.3	S	—	—	—	10	9	12	19	0	3	5	5
23.	13.7	—	—	5.0	W	530	277	22.	10	10	11	14	0	1	6	1
7.	15.6	—	—	5.9	SE	222	57	22.	6	11	14	19	0	0	6	0
23.	16.1	—	—	4.5	NE	—	—	—	13	8	10	15	0	1	10	0
7.	14.2	9.6	77	5.6	N	251	64	22.	5	12	14	22	0	0	5	0
27.	16.4	—	—	—	—	133	30	16.	—	—	—	10	0	0	0	0
8.	15.2	—	—	5.0	NW	175	74	22.	11	7	13	17	0	0	8	0
8.	16.2	—	—	6.5	—	254	101	22.	4	10	17	13	0	0	5	0
7.	15.1	—	—	5.8	—	201	47	19	7	10	14	16	0	0	6	0
8.	15.3	—	—	4.3	—	149	45	23.	13	6	12	9	0	0	2	0
7. 21.	16.2	—	—	5.5	S	189	40	22	11	8	12	12	0	0	3	0
25.	12.9	—	—	6.5	—	162	32	5	6	5	20	21	0	0	1	0
2.	7.6	—	—	6.0	NW	133	33	1	5	9	17	17	0	0	3	3
7.	0.4	—	—	6.9	SW	220	33	1.	6	4	21	26	19	4	3	6

Magnetische Declinations-Beobachtungen zu Klagenfurt

von
September. **F. Seeland.** 1891.

Tag	Declination zu Klagenfurt					an fremden Stationen				Stand des Grundwassers im Hause Nr. 459
	7 ^h	2 ^h	9 ^h	Tages-Mittel	Tages-Variation	Pol 10° +	Kremsmünster 10° +	Wien 8° +	Ofen 8° +	
	9° + Min.				Min.	Minuten				
1.	48.0	56.8	46.6	50.5	10.2	8.8	4.74	60.2		438.126
2.	48.0	57.5	49.4	51.6	9.5	9.7	5.21	62.0		438.191
3.	48.0	56.8	49.4	51.4	8.8	8.5	4.65	60.1		438.214
4.	47.4	55.5	50.0	51.0	8.1	9.2	5.51	60.5		438.230
5.	48.0	56.8	50.0	51.6	8.8	8.9	5.79	60.7		438.246
6.	47.4	56.8	49.4	51.2	9.4	8.8	5.25	59.2		438.253
7.	48.7	55.5	50.0	51.4	6.8	8.6	4.92	60.2		438.258
8.	48.0	56.2	50.7	51.6	8.2	8.9	3.90	59.8		438.261
9.	48.7	54.8	42.1	48.5*)	12.7	11.7	5.96	60.4		438.261
10.	48.0	52.1	47.4	49.2	4.7	15.7	6.43	58.2		438.266
11.	49.4	54.8	42.7	49.0**)	12.1	12.4	4.99	57.7		438.278
12.	48.0	55.5	49.4	51.0	7.5	12.3	6.41	59.6		438.286
13.	48.7	54.8	48.7	50.7	6.1	14.0	5.60	60.3		438.284
14.	46.7	55.5	50.7	51.0	8.8	13.8	3.15	60.3		438.276
15.	48.0	54.8	50.7	51.2	6.8	11.4	6.85	60.8		438.276
16.	48.7	56.2	50.7	51.9	7.5	8.4	4.47	59.2		438.273
17.	50.7	57.5	50.7	53.0	6.8	19.3	5.47	60.7		438.264
18.	50.0	56.2	51.4	52.5	6.2	18.6	5.56	60.4		438.258
19.	50.7	54.8	50.7	52.1	4.1	10.7	5.43	60.3		438.246
20.	50.0	58.2	51.4	53.2	8.2	12.0	6.15	60.9		438.236
21.	50.7	56.2	50.0	52.3	6.2	7.7	4.45	60.7		438.226
22.	50.0	57.5	50.7	52.7	7.5	8.1	5.34	61.3		438.225
23.	49.4	56.8	50.0	52.1	7.4	15.0	7.35	61.9		438.225
24.	48.7	54.8	50.7	51.4	6.1	6.7	14.01	61.4		438.223
25.	50.0	54.1	51.4	51.8	4.1	4.6	6.66	61.7		438.212
26.	49.4	56.8	50.0	52.1	7.4	4.6	8.11	60.9		438.205
27.	50.0	56.2	49.4	51.9	6.8	4.3	8.80	60.5		438.201
28.	48.7	56.8	49.4	51.6	8.1	3.6	8.82	61.9		438.196
29.	49.4	56.8	50.0	52.1	7.4	5.3	7.36	61.7		438.186
30.	49.4	56.2	50.0	51.9	6.8	4.6	6.26	61.3		438.174
Mittel	48.9	56.0	49.5	51.5	7.6	9.9	5.99	60.50		438.235

Die mittlere Declination in Klagenfurt war 9° 51.5'; mit dem Maximum 9° 53.2' am 20. und dem Minimum 9° 48.5' am 9.

Die Variation war 7.6'; mit dem Maximum 12.1' am 11. und dem Minimum 4.1' am 19. und 25.

Am 9. und 11. gab es Störungen.

Meteorologische Beobachtungen zu Klagenfurt

Tag	Luftdruck Millim. 700 +					Luftwärme Celsius °					Ozon		Sonnenschein °/o
	7 ^h	2 ^h	9 ^h	Mittel	Abwei- chung	7 ^h	2 ^h	9 ^h	Mittel	Abwei- chung	7 ^h	9 ^h	
1.	24.8	23.7	23.9	24.1	+ 1.3	13.5	21.2	15.6	16.8	+ 0.6	10	12	88.8
2.	25.9	25.7	26.2	25.9	+ 3.1	14.4	23.2	18.6	18.7	+ 2.7	5	7	93.2
3.	27.9	26.6	26.8	27.1	+ 4.3	13.7	24.2	17.3	18.4	+ 2.6	5	9	83.5
4.	27.1	26.0	25.9	26.3	+ 3.5	14.0	24.6	14.8	18.8	+ 3.1	9	7	90.9
5.	25.9	23.6	22.6	24.0	+ 1.2	14.3	24.8	19.5	19.5	+ 4.0	6	5	56.1
6.	21.3	21.0	21.2	21.2	- 1.6	16.7	21.1	17.3	18.4	+ 3.1	6	11	3.1
7.	23.0	23.5	25.1	23.9	+ 1.1	15.8	21.6	16.4	17.9	+ 2.7	14	5	76.1
8.	26.9	26.8	27.8	27.2	+ 4.4	13.5	21.1	15.4	16.7	+ 1.7	5	9	59.6
9.	29.6	28.8	29.5	29.3	+ 6.5	12.8	20.8	15.8	16.5	+ 0.7	5	8	82.9
10.	31.4	30.1	29.7	30.4	+ 7.6	10.9	18.6	12.5	14.0	- 0.6	12	5	80.0
11.	30.9	28.7	28.5	29.4	+ 6.6	9.5	18.2	12.2	13.3	- 1.0	6	12	59.4
12.	28.6	27.4	28.5	28.2	+ 5.4	10.9	19.8	16.4	15.7	+ 1.7	6	10	33.8
13.	29.1	28.3	28.5	28.6	+ 5.8	11.0	20.3	14.8	15.4	+ 1.7	6	7	61.9
14.	28.8	27.0	26.5	27.4	+ 4.7	10.1	21.2	15.0	15.4	+ 1.8	4	9	61.9
15.	27.1	25.6	27.6	26.8	+ 4.1	13.4	23.4	15.9	17.6	+ 4.1	6	11	43.2
16.	27.1	26.5	28.1	27.2	+ 4.5	15.3	19.3	15.4	16.7	+ 3.2	8	8	34.4
17.	28.6	27.1	26.8	27.5	+ 4.8	9.1	17.6	12.5	13.1	- 0.4	10	5	75.2
18.	27.7	25.6	25.8	26.4	+ 3.7	9.4	18.0	12.3	13.2	- 0.3	5	5	58.1
19.	27.5	26.6	26.7	26.9	+ 3.2	10.5	20.9	14.8	15.4	+ 2.0	4	4	50.8
20.	27.3	25.6	24.2	25.7	+ 3.0	12.2	21.3	14.7	16.1	+ 2.7	5	4	44.7
21.	22.5	20.5	18.4	20.3	- 2.4	10.2	15.3	13.9	13.1	- 0.2	5	4	1.6
22.	18.0	18.3	20.9	19.1	- 3.5	12.1	13.2	9.5	11.3	- 1.9	10	4	2.5
23.	20.9	21.3	25.0	22.4	- 0.2	8.5	10.3	8.5	9.1	- 4.0	13	5	—
24.	27.0	28.0	30.6	28.5	+ 5.9	7.3	13.2	6.5	9.0	- 3.0	10	14	66.9
25.	33.2	32.2	32.8	32.7	+ 10.1	2.6	12.6	6.2	7.1	- 5.7	6	9	75.0
26.	32.2	31.0	29.8	31.0	+ 8.4	3.2	13.0	6.7	7.6	- 5.1	5	5	52.9
27.	28.3	23.8	24.7	25.6	+ 3.0	5.6	15.8	11.3	10.9	- 1.6	5	9	33.6
28.	28.3	28.1	29.8	28.9	+ 6.3	8.3	18.1	11.1	12.6	+ 0.2	6	4	66.9
29.	30.8	29.1	28.4	29.4	+ 6.8	6.5	16.5	10.7	11.3	- 1.0	7	3	71.2
30.	27.9	26.6	27.0	27.2	+ 4.7	8.0	16.5	10.3	11.6	- 0.7	6	7	43.6
Mittel	27.19	26.10	26.58	26.62	+ 3.90	10.74	18.86	13.50	14.37	+ 0.44	7.0	7.2	55.06

Am 5. 6¹/₄ Uhr bis 7 Uhr Abends Gewitter aus NW gegen SE ziehend mit Regen; am 15. 5 Uhr p. Gewitter aus W mit Regen.

im September 1891. Von F. Seeland.

Dunstdruck Millimeter				Luftfeuchtigkeit in Proc. d. Sätt.				Bewölkung 0=rein, 10=trüb				Winde 0=ruhig, 10=Sturm			Nieder- schlag	Schneehöhe
7 ^h	2 ^h	9 ^h	Mittel	7 ^h	2 ^h	9 ^h	Mittel	7 ^h	2 ^h	9 ^h	Mittel	7 ^h	2 ^h	9 ^h	m/m	m/m
10.3	10.9	12.6	11.3	90	59	96	82	6	2	0	3	W ¹	NE ¹	NW ¹	—	—
10.7	15.8	15.3	13.9	88	75	96	86	1	0	0	0	NW ¹	NE ¹	SE ¹	—	—
11.0	14.5	14.4	14.3	95	69	98	86	0	0	0	0	E ¹	NE ¹	W ¹	—	—
10.7	18.4	14.7	14.6	91	80	97	89	0	0	0	0	NE ¹	NE ¹	NE ¹	—	—
11.7	16.5	16.5	14.9	97	98	98	98	0	3	9	4	W ¹	NE ¹	SW ¹	<	—
13.7	13.0	12.9	13.2	97	70	88	85	8	10	10	9	W ¹	SE ¹	SE ¹	3.2 · 12	—
11.8	10.1	11.4	11.1	88	53	82	74	10	2	0	4	NW ¹	NE ¹	NW ¹	21.1	—
10.5	11.6	10.9	11.0	90	63	84	77	10	1	1	4	NE ¹	E ¹	NE ¹	—	—
8.6	8.7	9.6	9.0	78	48	72	66	0	1	1	1	S ¹	NE ¹	NE ³	—	—
8.4	7.0	8.9	8.1	87	44	83	71	1	0	0	0	SW ¹	NE ³	NE ¹	—	—
8.1	8.5	9.4	8.7	92	55	90	79	10	0	0	3	NE ¹	NE ²	NE ¹	—	—
8.9	11.4	11.7	10.7	92	66	84	81	10	4	7	7	NE ¹	NE ¹	NE ¹	—	—
9.2	8.6	9.4	9.1	94	49	75	73	10	0	0	3	NE ¹	NE ¹	NE ¹	—	—
8.7	10.5	11.2	10.1	95	56	88	80	10	0	0	3	SE ¹	NE ¹	SE ¹	—	—
10.1	12.4	12.4	11.6	89	58	92	80	0	4	10	5	SE ¹	SE ¹	SW ²	17.0 · 12	—
11.8	11.1	8.8	10.6	91	66	67	75	10	5	9	8	E ¹	NE ²	W ¹	—	—
7.2	7.7	8.6	7.8	84	52	81	72	0	1	0	0	N ¹	NE ¹	NW ¹	—	—
7.7	8.7	9.3	8.6	88	57	88	78	10	1	0	4	NW ¹	NE ¹	NE ¹	—	—
8.7	10.8	11.3	10.3	93	59	90	81	10	2	0	4	NW ¹	NE ¹	NE ¹	—	—
9.8	11.0	9.5	10.1	94	59	76	76	10	0	0	3	E ¹	NE ¹	NW ¹	—	—
8.1	10.4	10.7	9.7	87	81	92	87	3	10	10	8	SW ¹	W ¹	SW ¹	—	—
9.7	9.0	7.8	8.8	99	80	88	89	10	10	9	10	W ¹	E ¹	SW ¹	24.7 · 12	—
7.3	7.8	7.3	7.5	88	83	88	86	10	10	10	10	NE ¹	NW ¹	SW ¹	14.1	—
7.3	5.6	5.5	6.1	96	49	77	74	10	0	0	3	NE ¹	NE ³	NE ¹	12.3	—
4.7	2.5	5.9	4.4	84	48	84	72	0	0	0	0	NW ¹	NE ¹	NE ¹	—	—
5.5	6.9	6.6	6.3	95	62	90	82	10	0	0	3	NE ¹	NE ¹	SW ¹	—	—
6.3	8.7	7.8	7.6	93	64	78	78	10	6	0	5	NE ¹	SW ¹	SW ¹	—	—
7.5	6.5	7.7	7.2	92	42	78	71	2	3	0	2	NE ¹	NE ¹	NE ¹	—	—
6.4	8.1	8.7	7.7	88	58	90	79	2	0	0	1	NW ¹	NE ¹	NE ¹	—	—
7.6	9.4	8.4	8.5	94	68	90	84	10	1	1	4	NE ¹	NE ¹	NE ¹	—	—
8.93	10.07	10.17	9.73	90.9	62.3	86.0	79.7	6.1	2.5	2.6	3.7	1.0	1.2	1.1	75.4	—

Grundwasserstand in Klagenfurt:

K. k. Militärspital	440 430 Meter
Seelandbrunnen	438 325
Friedhofbrunnen	437 708
Wörtherseespiegel	441 565
Höchster Pegelstand am 7.	441 648
Tiefster „ „ 3.	441 498

Drauspiegel an der Hollenburgbrücke (Opunkt 425.89 m) 426.80 m
Maximum am 7. 427.61 m, Minimum am 30. 426.44 m.

Vorläufige Uebersicht der Witterung in Kärnten im September 1891 vom Central-Observatorium in Wien.

Stationen	Seehöhe Meter	Luftdruck in Millimeter					Luftwärme in Celsius °					Dunst- druck mm	Feuch- tigkeit %	Bewölkung	Herr- schender Wind	Niederschlag			Tage			darunter mit				
		Grösster	am	Kleinst.	am	Mittel	Grösste	am	Kleinste	Mittel	Summe					Grösster in 24h	am	heiter	h. heiter	trüb	Nieder- schlag	Schnee	Regel	Gewitter	Sturm	
Klagenfurt I.	448	733.2	25.	718.0	22.	726.6	24.8	5.	2.6	25.	14.1	9.7	80	3.7	NE	92	25	22.	16	8	6	6	0	0	2	0
dto. II.	504	—	—	—	—	—	26.2	5.	2.2	25.	14.3	—	—	4.5	SE	—	—	—	11	12	7	6	0	0	0	0
Kappel a. d. Drau	441	—	—	—	—	—	25.5	2. 3.	2.0	25.	14.1	—	—	4.7	SE	102	41	15.	13	10	7	5	0	0	4	0
Saager	486	—	—	—	—	—	23.2	5	2.0	25.	14.0	—	—	—	—	79	19	21.	—	—	—	6	0	0	0	0
Unterdrauburg	343	—	—	—	—	—	28.0	5.	1.8	26.	14.5	—	—	4.5	E	112	50	6.	21	5	4	6	0	0	1	0
Liescha	552	723.7	25.	709.4	22.	718.0	25.0	2. 4. 5.	0.6	26.	12.7	—	—	3.4	NE	73	33	6.	16	10	4	5	0	0	1	0
Bad Vellach	843	—	—	—	—	—	23.5	4.	0.0	26.	11.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Eisenkappel	554	—	—	—	—	—	25.4	3.	— 0.2	25. 26.	13.3	—	—	—	—	88	38	21.	—	—	—	4	0	0	0	0
Obir	2047	603.3	3.	591.6	22.	600.2	18.5	5.	— 3.2	24.	7.8	6.0	76	2.7	NW	79	18	6.	21	3	6	5	2	0	1	0
St. Leonhard	730	—	—	—	—	—	21.4	3.	0.0	26.	11.6	—	—	2.1	NW	96	52	6.	21	5	4	6	0	0	1	0
St. Andrä	432	—	—	—	—	—	28.4	5.	— 1.2	25.	12.5	9.6	85	4.9	SE	56	14	15.	7	17	6	6	0	0	1	0
Stelzing	1410	—	—	—	—	—	20.4	5.	— 1.2	25.	9.6	—	—	4.1	NE	—	—	—	13	11	6	—	—	—	—	—
Knappenberg	1045	—	—	—	—	—	24.6	3.	— 1.8	25.	11.0	8.1	81	2.3	E	77	34	7.	24	3	3	7	0	0	1	0
Hüttenberg	783	—	—	—	—	—	24.0	5.	— 0.5	25.	12.1	—	—	2.4	N	71	27	6.	23	4	3	6	0	0	1	0
Guttaring	642	—	—	—	—	—	25.0	5.	— 1.0	25.	12.5	—	—	3.1	N	80	40	6.	20	5	5	6	0	0	1	0
Seeland	860	—	—	—	—	—	24.7	5.	— 1.8	26.	10.3	—	—	3.0	S	147	47	21.	20	5	5	6	0	1	2	0
Krimml	1057	—	—	—	—	—	24.4	14.	0.8	26.	11.5	—	—	4.2	—	79	20	6.	17	2	11	8	0	0	0	0
Jauken	2072	—	—	—	—	—	20.0	3. 14.	— 2.0	23.	8.4	—	—	2.6	S	100	38	7.	24	1	5	4	0	0	0	0
Radenthain	738	—	—	—	—	—	23.0	5.	1.0	25.	12.8	—	—	3.6	—	72	21	22.	18	4	8	5	0	0	1	0
Spittal a. d. D	554	722.9	25.	708.7	21.	716.4	29.4	2.	0.8	25.	13.4	—	—	4.0	SE	78	26	6.	15	8	7	6	0	0	1	0
Pörschach	464	—	—	—	—	—	24.0	5.	2.6	26.	13.9	10.4	87	3.4	W	—	—	—	13	13	4	6	0	0	3	0
Radweg	692	—	—	—	—	—	25.0	2.	1.6	26.	13.8	—	—	3.0	S	115	60	6.	18	6	6	7	0	0	5	1
Sirnitz	800	—	—	—	—	—	22.4	5.	5.0	25.	12.9	—	—	2.6	E	108	40	6.	19	6	5	8	0	0	1	0
St. Peter i. K.	1217	—	—	—	—	—	22.8	3.	— 0.6	25.	10.4	—	—	3.2	E	47	17	6.	18	6	6	7	0	0	1	0
Bad Villach	488	—	—	—	—	—	22.2	3.	3.4	25.	13.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Bleiberg	927	692.0	25.	678.3	22.	687.0	23.4	4.	2.0	25.	11.8	8.9	84	1.5	SW	104	42	22.	25	4	1	5	0	0	0	0
Luschariberg	1721	—	—	—	—	—	15.7	5.	— 0.5	23.	8.2	—	—	3.1	S	—	—	—	20	3	7	8	2	1	2	1
Raibl	981	—	—	—	—	—	25.2	2.	1.6	26.	12.5	—	—	2.7	N	152	46	6.	20	5	5	5	0	0	1	0
Cornat	1067	681.6	26.	669.3	21.	676.3	24.0	3. 5.	0.3	25.	13.3	9.6	83	2.8	N	106	35	6.	20	4	6	6	0	0	0	0
Oberdrauburg	610	—	—	—	—	—	24.3	3.	2.0	25.	13.2	—	—	2.7	NW	52	33	6.	20	5	5	4	0	0	1	0
Greifenburg	626	—	—	—	—	—	25.4	5.	4.6	26.	13.9	—	—	4.2	E	80	39	6.	11	13	6	4	0	0	1	0
Gmünd	728	—	—	—	—	—	21.2	5.	0.4	25.	12.1	—	—	2.0	SW	59	22	21.	22	4	4	4	0	0	0	0
Maltein	824	—	—	—	—	—	23.2	4.	1.3	16.	15.0	—	—	2.1	S	81	35	6.	24	2	4	2	0	0	0	0
Sonnblick	3093	530.5	10.	517.6	22.	527.1	6.6	5.	— 9.8	24.	0.3	4.0	86	4.4	SW	157	37	6.	13	7	10	10	9	1	1	2

Magnetische Declinations-Beobachtungen zu Klagenfurt

von

October.

F. Seeland.

1891.

Tag	Declination zu Klagenfurt					an fremden Stationen				Stand des Grundwassers im Hause Nr. 459
	7 ^h	2 ^h	9 ^h	Tages-Mittel	Tages-Variation	Pola 10° +	Kremsmünster 10° +	Wien 8° +	Ofen 8° +	
	9° + min.				Min.	Minuten				
1.	49.4	54.8	50.2	51.5	5.4	3.6	5.33	60.7		438.167
2.	49.4	56.2	50.0	51.9	6.8	4.2	7.59	61.7		438.159
3.	51.4	58.2	50.7	53.4	7.5	4.7	7.14	60.8		438.149
4.	48.7	56.2	45.4	50.1	10.8	4.7	6.76	61.0		438.133
5.	50.0	58.2	51.4	53.2	8.2	5.1	8.08	62.3		438.125
6.	50.7	56.8	50.7	52.7	6.1	4.6	7.06	61.6		438.116
7.	50.0	58.2	48.6	52.1	10.2	5.0	7.67	61.8		438.096
8.	48.7	57.5	42.0*	49.4	15.5	4.9	7.69	58.8		438.091
9.	50.0	57.5	49.4	52.3	8.1	5.5	6.59	62.6		438.089
10.	53.4	56.8	48.0	52.7	8.8	7.4	7.00	62.2		438.069
11.	48.7	56.2	49.4	51.4	7.5	7.9	5.70	61.4		438.069
12.	49.4	57.5	49.4	52.1	8.1	6.9	5.55	60.8		438.061
13.	50.0	56.2	50.0	52.1	6.2	6.5	6.73	63.4		438.046
14.	49.4	56.2	50.0	51.9	6.8	7.0	5.98	61.0		438.031
15.	51.4	56.2	50.7	52.8	5.5	6.9	5.75	60.5		438.021
16.	50.7	54.1	52.8	52.5	3.4	7.3	6.45	61.0		438.095
17.	50.7	54.5	50.0	51.7	4.5	7.6	6.23	61.1		437.999
18.	49.4	54.8	46.7	50.3	8.1	7.2	7.41	61.0		437.988
19.	48.0	54.1	43.4*	48.5	10.7	5.9	7.43	59.8		438.004
20.	48.0	54.1	42.7*	48.3	11.4	6.9	7.39	61.0		437.996
21.	47.4	57.5	48.7	51.2	10.1	7.3	7.88	60.2		437.993
22.	50.0	55.5	50.0	51.8	5.5	7.3	7.42	61.1		437.988
23.	49.4	56.2	44.7	50.1	11.5	6.5	7.09	59.0		437.98
24.	49.4	52.8	44.7*	49.0	8.1	5.6	7.92	60.6		437.986
25.	48.0	56.2	48.0	50.7	8.2	6.7	6.07	61.2		437.978
26.	48.0	54.8	49.4	50.7	6.8	6.2	6.33	60.8		437.976
27.	49.4	54.1	49.4	51.0	4.7	6.3	6.82	58.0		437.971
28.	49.4	55.5	46.7	55.5	8.8	5.8	7.42	59.6		437.966
29.	48.0	56.2	48.0	50.7	8.2	7.3	7.33	60.5		437.961
30.	48.7	54.8	46.0	49.8	8.8	4.3	7.30	69.2		437.946
31.	48.7	54.8	49.4	51.0	6.1	3.4	6.93	59.3		437.946
Mittel	49.5	55.9	48.3	51.2	7.9	6.9	6.87	60.0		438.035

Die mittlere magnetische Declination in Klagenfurt war 9° 51'2"; mit dem Maximum 9° 53'4" am 3. und dem Minimum 9° 48'3" am 20.

Am 8., 19., 20. und 24. gab es Störungen.

Die mittlere Tagesvariation betrug 7.9'; mit dem Maximum 15.5' am 8. und dem Minimum 3.4' am 16.

Meteorologische Beobachtungen zu Klagenfurt

Tag	Luftdruck Millim. 700 +					Luftwärme Celsius °					Ozon		Sonnenschein °/o
	7 ^h	2 ^h	9 ^h	Mittel	Abwei- chung	7 ^h	2 ^h	9 ^h	Mittel	Abwei- chung	7 ^h	9 ^h	
1.	27.6	25.9	26.8	26.5	+ 4.0	9.1	15.2	12.8	12.4	+ 0.2	7	5	—
2.	23.0	22.9	21.0	22.1	— 0.4	11.0	19.4	12.2	14.2	+ 2.2	6	10	60.3
3.	22.7	24.1	26.0	24.3	+ 1.8	7.9	17.7	14.3	13.3	+ 1.5	6	10	18.3
4.	26.6	26.2	26.7	26.5	+ 4.1	12.9	15.0	11.5	13.1	+ 1.5	14	13	4.3
5.	25.5	25.0	25.0	25.2	+ 2.8	10.9	13.9	11.0	11.9	+ 0.6	7	6	—
6.	25.1	25.3	25.4	25.3	+ 2.9	9.7	15.7	9.7	11.7	+ 0.6	5	4	37.7
7.	25.7	24.2	25.1	25.0	+ 2.6	6.8	16.6	10.6	11.3	+ 0.5	4	11	41.6
8.	23.0	21.9	21.9	22.3	— 0.1	7.4	17.0	13.8	12.7	+ 2.2	3	4	15.3
9.	24.0	24.3	25.7	24.7	+ 2.3	11.0	13.4	11.6	12.0	+ 1.9	10	12	—
10.	25.4	25.4	25.5	25.4	+ 3.1	9.7	15.1	10.7	11.8	+ 1.9	5	5	7.1
11.	24.8	23.0	22.1	23.3	+ 1.0	10.5	15.6	10.4	12.2	+ 2.5	5	8	63.9
12.	19.6	16.6	16.5	17.6	— 5.7	7.5	13.6	11.2	10.8	+ 1.3	8	4	34.5
13.	16.5	17.8	20.6	18.3	— 4.0	10.8	16.4	13.9	13.7	+ 4.3	6	3	3.6
14.	23.1	23.5	25.1	23.9	+ 1.6	12.9	19.7	12.9	14.9	+ 5.6	7	6	67.8
15.	26.0	24.7	25.1	25.3	+ 3.0	10.6	19.0	12.6	14.1	+ 4.8	4	4	21.3
16.	26.7	25.4	24.3	25.5	+ 3.2	9.7	17.1	11.5	12.8	+ 3.6	4	3	45.3
17.	24.1	22.9	25.0	24.0	+ 1.8	9.4	17.3	13.9	13.5	+ 4.3	5	6	51.4
18.	25.1	25.2	25.7	25.3	+ 3.1	9.1	14.9	11.2	11.7	+ 2.6	2	9	9.3
19.	25.7	24.8	23.7	24.7	+ 2.5	9.9	14.6	8.9	11.1	+ 2.0	13	4	13.2
20.	22.7	21.6	21.2	21.8	— 0.4	8.0	12.9	9.5	10.4	+ 1.4	5	5	34.9
21.	20.5	16.9	15.9	17.8	— 4.4	7.4	18.2	12.8	12.8	+ 4.0	4	4	52.8
22.	15.2	17.3	19.4	17.3	— 4.9	11.1	14.2	12.9	12.7	+ 4.2	5	2	—
23.	19.8	19.0	19.1	19.3	— 2.9	11.3	15.2	10.7	12.4	+ 4.2	6	4	15.3
24.	19.4	19.7	20.3	19.8	— 2.4	10.4	13.4	8.8	10.9	+ 3.0	6	5	38.7
25.	20.5	19.1	18.9	19.5	— 2.7	6.7	10.7	9.6	9.0	+ 1.5	4	6	27.1
26.	18.2	17.2	18.5	18.0	— 4.2	10.2	16.1	9.5	11.9	+ 4.8	3	11	59.8
27.	19.2	18.6	19.5	19.1	— 3.1	5.9	17.2	8.5	10.5	+ 3.8	4	4	91.3
28.	20.8	20.3	21.8	21.0	— 1.1	4.2	8.0	2.1	4.8	— 1.6	5	8	8.9
29.	24.2	23.4	24.8	24.1	+ 2.0	— 1.7	6.0	1.1	1.8	— 4.2	10	9	79.0
30.	26.1	27.8	30.5	28.1	+ 6.0	— 1.2	2.3	— 0.1	0.3	— 5.5	10	12	57.0
31.	31.0	29.8	28.7	29.8	+ 7.7	— 3.4	3.1	— 0.4	— 0.2	— 5.7	8	7	96.0
Mittel	23.17	22.57	23.06	22.94	+ 0.64	8.28	14.35	9.99	10.87	+ 1.76	6.2	6.6	34.05
6.4													

Am 29. erste Gefrier; am 31. die Berge bis zur Baumgrenze beschneit.

im October 1891.

Von F. Seeland.

Dunstdruck Millimeter				Luftfeuchtigkeit in Proc. d. Sätt.				Bewölkung 0=rein, 10=trüb				Winde 0=ruhig, 10=Sturm			Nieder- schlag	Schneehöhe
7 ^h	2 ^h	9 ^h	Mittel	7 ^h	2 ^h	9 ^h	Mittel	7 ^h	2 ^h	9 ^h	Mittel	7 ^h	2 ^h	9 ^h	$\frac{mm}{m}$	$\frac{mm}{m}$
7.9	9.0	9.8	8.9	92	70	90	84	7	10	10	9	NW ¹	NE ¹	NW ¹	—	—
8.9	8.8	8.4	8.7	91	52	80	74	10	2	0	4	NW ¹	SE ¹	E ¹	—	—
7.1	9.9	9.7	8.9	89	66	81	79	3	10	10	8	NE ¹	E ¹	NE ²	—	—
8.6	8.6	8.4	8.5	78	68	83	76	8	10	10	9	NE ¹	E ²	E ¹	—	—
8.9	8.8	8.8	8.8	92	75	90	86	10	10	10	10	E ¹	E ¹	SE ¹	9.7	—
8.4	9.1	8.0	8.5	94	68	89	84	7	4	0	4	NW ¹	NW ¹	W ¹	1.6	—
7.0	9.7	8.2	8.3	94	69	87	83	10	4	0	5	E ¹	NE ¹	NE ¹	—	—
6.9	9.7	10.4	9.0	90	68	90	83	4	8	10	7	S ¹	SW ¹	SW ¹	—	—
8.6	9.1	9.3	9.0	87	80	92	86	10	10	10	10	SW ⁰	SW ¹	SW ¹	23.5	—
8.1	9.7	8.6	8.8	91	75	91	86	10	10	3	8	E ¹	SE ¹	NE ¹	0.3	—
8.1	8.5	9.4	8.3	87	64	91	81	5	1	0	2	NE ¹	NW ¹	NE ¹	—	—
7.3	9.1	8.6	8.3	94	79	86	86	10	4	10	8	NE ¹	NE ¹	SW ¹	—	—
8.6	10.2	10.1	9.6	90	73	86	83	7	7	10	8	SE ¹	SE ¹	SW ¹	—	—
10.0	11.6	10.0	10.5	91	68	91	83	10	2	0	4	N ¹	SE ¹	NW ¹	—	—
8.9	11.4	10.0	10.1	94	69	93	85	10	8	0	6	NE ¹	SE ¹	SE ¹	—	—
8.5	11.0	9.5	9.7	95	76	95	89	10	2	0	4	NE ¹	NE ¹	W ¹	—	—
8.2	10.9	9.2	9.4	93	74	78	82	10	0	0	3	NE ¹	NE ¹	NW ¹	—	—
8.1	10.0	9.0	9.0	93	80	92	88	10	10	10	10	NW ¹	SW ¹	SW ¹	36.3	—
8.4	9.0	7.6	8.3	92	73	89	85	4	10	0	5	NE ¹	NE ¹	NE ¹	—	—
7.9	8.9	8.1	8.3	93	81	91	88	10	0	0	3	NW ¹	NE ¹	SE ¹	—	—
7.1	9.1	8.7	8.3	93	58	80	77	10	8	2	7	E ¹	NE ²	SW ¹	—	—
9.0	10.8	10.2	10.0	91	91	93	92	10	10	10	10	E ¹	SW ¹	NW ¹	0.6	—
9.0	10.2	9.0	9.4	91	80	94	88	10	3	0	4	NE ¹	NE ¹	SW ¹	2.8	—
8.6	9.6	7.8	8.7	92	85	92	90	10	0	0	3	NE ¹	NE ¹	SE ¹	—	—
7.0	8.5	8.2	7.9	96	90	92	93	10	6	6	7	NE ¹	SW ¹	NW ¹	—	—
8.2	9.3	7.4	8.3	89	68	86	81	5	5	1	4	NW ¹	NW ³	SW ¹	1.10	—
5.3	7.3	6.8	6.5	77	50	83	70	2	3	0	2	N ²	SW ²	SW ¹	—	—
5.7	5.3	3.3	4.8	92	65	62	73	10	10	0	7	SE ¹	NE ⁴	NE ⁴	—	—
3.3	2.7	4.0	3.3	82	39	79	67	1	2	6	3	N ¹	NE ²	NE ¹	—	—
3.5	4.9	4.3	4.2	82	89	94	88	1	3	5	3	NE ¹	NE ⁵	NE ⁶	—	—
3.3	3.1	3.7	3.4	93	84	83	87	0	0	0	0	NE ¹	NE ⁵	NE ²	—	—
7.56	8.83	8.18	8.19	90.3	71.8	87.2	83.1	7.6	5.5	3.9	5.6	1.0	1.5	1.3	75.9	—

Grundwasserstand in Klagenfurt:

K. k. Militärspital	440.040 Meter
Seelandbrunnen	438.035
Friedhofbrunnen	437.672
Wörtherseespiegel	441.418
Höchster Pegelstand am 1.	441.488
Tiefster „ 3.	441.338

Drauspiegel an der Hollenburgbrücke (Opunkt 425.89 m) 426.54 m
Maximum am 23. 427.07 m, Minimum am 13. 426.37 m.

Vorläufige Uebersicht der Witterung in Kärnten im Oct

Stationen	Seehöhe Meter	Luftdruck in Millimeter					Luftwärme in Celsius				
		Grösster	am	Kleinst.	am	Mittel	Grösste		Kleinste		
Klagenfurt l.	448	731.0	31	715.2	22.	722.9	19.7	14.	— 3.4	31.	
dto. ll.	504	—	—	—	—	—	21.0	14.	— 3.3	31.	
Kappel a. d. Drau	441	—	—	—	—	—	20.5	2.	— 1.8	31.	
Saager	486	—	—	—	—	—	19.5	21	— 3.2	31.	
Unterdrauburg	343	—	—	—	—	—	21.8	14.	— 3.6	31.	
Liescha	552	722.0	30.	708.5	12.	714.4	19.0	2.	— 5.0	31.	
Bad Vellach	843	—	—	—	—	—	15.0	26.	5.5	31.	
Eisenkappel	554	—	—	—	—	—	28.0	2.	— 5.2	31	
Obir	2047	600.4	14.	590.1	28.	595.8	13.0	17.	— 16.5	30.	
St. Andrä	432	—	—	—	—	—	22.1	14. 16.	— 4.3	31.	
Stelzing	1410	—	—	—	—	—	16.8	14.	— 10.4	31.	
Knappenberg	1045	—	—	—	—	—	17.8	17.	— 7.2	31.	
Hüttenberg	783	701.0	31.	688.3	13.	694.2	18.2	15.	— 4.0	31.	
Guttingar	642	—	—	—	—	—	21.0	14.	— 7.0	31.	
St. Peter i. K.	1217	—	—	—	—	—	15.9	17.	— 6.8	31.	
Villach Stadt	501	725.5	31.	710.1	22.	717.4	21.5	17.	— 5.3	31.	
Spittal a. d. D.	554	720.4	31.	706.8	22.	713.5	20.1	11.	— 5.1	31.	
Krimml	1057	—	—	—	—	—	19.2	1.	— 9.2	31.	
Lind	526	—	—	—	—	—	21.1	8.	— 6.0	30. 31.	
Pörschach	464	—	—	—	—	—	19.0	14.	— 5.4	31.	
Radweg	692	—	—	—	—	—	19.4	14.	— 6.2	31.	
Sirnitz	800	—	—	—	—	—	17.6	2.	— 1.8	31.	
Jauken	2072	—	—	—	—	—	12.0	14.	— 15.0	31.	
Bad Villach	488	—	—	—	—	—	17.6	1. 17.	— 4.2	31.	
Bleiberg	927	688.7	30.	676.9	22.	683.4	16.5	15.	— 6.0	31.	
Raibl	981	—	—	—	—	—	17.6	16.	— 6.6	31.	
Radenthein	738	—	—	—	—	—	17.8	15.	— 3.4	31.	
Cornat	1067	676.7	5.	666.3	23.	671.2	17.2	24.	— 7.2	29.	
Oberdrauburg	610	—	—	—	—	—	19.5	17.	— 4.4	31.	
Greifenburg	626	—	—	—	—	—	10.8	15.	— 3.8	31.	
Gmünd	728	—	—	—	—	—	18.3	15.	3.3	31.	
Maltein	824	—	—	—	—	—	20.2	3.	5.4	30.	
Sonnblick	3093	527.7	14.	515.0	30.	521.9	4.2	1.	— 25.4	31.	

ober 1891 vom Central-Observatorium in Wien.

Mittel	Dunst- druck mm	Feuch- tigkeit %	Nebelung	Herr- schender Wind	Niederschlag			Tage			darunter mit				
					Summe	Grösster in 24h	am	heiter	h. heiter	trüb	Nieder- schlag	Schnee	Hagel	Gewitter	Sturm
10.6	8.2	83	5.6	NE	76	36	18.	8	10	13	8	0	0	0	1
10.9	—	—	6.4	NE	—	—	—	2	17	12	8	0	0	0	0
10.7	—	—	6.7	—	85	39	18.	3	10	18	9	0	0	0	0
10.9	—	—	—	—	96	45	18.	—	—	—	8	0	0	0	0
11.1	—	—	5.4	E	58	22	8.	19	2	10	6	0	0	0	0
9.8	—	—	6.0	NE	66	24	—	5	14	12	7	0	0	0	0
8.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10.6	—	—	—	—	84	46	19	—	—	—	6	0	0	0	0
2.6	5.5	94	5.9	SW	104	55	19	9	6	16	13	2	0	0	3
9.7	8.2	86	6.1	SE	69	31	18.	2	18	11	8	0	0	0	1
6.1	—	—	6.4	NE	—	—	—	6	11	14	—	—	—	—	—
8.2	7.6	87	3.9	SW	68	27	9.	19	7	5	9	1	0	0	0
9.7	—	—	4.3	W	55	24	9.	15	6	10	5	0	0	0	0
9.5	—	—	4.9	N	61	24	18.	10	5	16	5	0	0	0	0
7.6	—	—	6.5	E	54	18	8	0	13	18	13	1	0	0	0
11.0	9.4	93	6.1	SW	87	30	18.	5	12	13	9	0	0	0	0
10.4	—	—	6.3	SE	85	22	22.	3	11	17	11	0	0	0	0
8.1	—	—	4.1	—	39	16	8.	11	13	7	8	1	0	0	0
10.4	—	—	6.2	SW	78	37	18.	7	8	16	5	0	0	0	0
9.9	8.8	92	4.6	SW	—	—	—	9	14	8	7	0	0	0	0
10.1	—	—	5.9	W	65	17	18.	7	9	15	7	0	0	0	1
9.8	—	—	5.5	E	66	12	5.	8	8	15	10	0	0	0	0
2.7	—	—	4.3	S	188	41	8.	14	6	11	10	1	0	0	0
10.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9.0	7.5	87	3.4	SW	108	27	8.	18	11	2	7	0	0	0	0
8.6	—	—	6.1	N	247	53	18.	6	11	14	13	0	0	1	1
9.9	—	—	5.9	—	61	14	8.	7	10	14	9	0	0	0	1
8.9	7.1	82	5.6	S	190	38	8. 21.	8	10	13	10	0	0	0	0
9.9	—	—	5.7	NW	124	28	21.	8	6	17	11	0	0	0	0
10.8	—	—	6.5	N	120	24	8.	3	12	16	8	0	0	0	0
9.0	—	—	5.8	SW	75	12	4.	6	12	13	9	0	0	0	0
12.8	—	—	3.9	S	42	22	21	18	8	5	3	0	0	0	0
— 3.6	—	—	5.8	SW	104	17	18	6	9	16	15	15	0	0	9

Magnetische Declinations-Beobachtungen zu Klagenfurt

von

November.

F. Seeland.

1891.

Tag	Declination zu Klagenfurt					an fremden Stationen				Stand des Grundwassers im Hause Nr. 459
	7 ^h	2 ^h	9 ^h	Tages-Mittel	Tages-Variation	Pol 10° +	Kremsmünster 10° +	Wien 8° +	Ofen 8° +	
	9° + Min.				Min.	Minuten				m Seehöhe
1.	50.0	56.2	52.1	52.8	6.2	3.2	7.40	59.7		437.946
2.	50.7	58.2	52.1	53.7	7.5	3.4	8.20	60.3		437.916
3.	50.7	57.5	51.4	53.2	6.8	3.4	8.24	60.8		437.911
4.	50.7	56.2	50.7	52.5	5.5	3.4	7.83	59.5		437.901
5.	49.4	54.8	46.7	50.3	8.1	3.9	8.32	60.3		437.886
6.	48.7	54.8	48.0	50.5	6.8	3.6	7.49	60.2		437.876
7.	47.4	55.5	51.4	51.4	8.1	3.3	8.17	60.0		437.861
8.	50.7	56.8	51.4	53.0	6.1	4.2	8.08	60.4		437.851
9.	50.0	56.8	54.1	53.6	6.8	3.9	7.80	60.1		437.846
10.	51.4	54.8	48.4	51.5	6.4	4.7	8.82	59.5		437.816
11.	49.4	50.7	48.4	49.5	2.3	3.9	7.79	59.9		437.809
12.	49.4	55.5	51.4	52.1	6.1	4.2	7.69	60.0		437.796
13.	50.7	56.8	52.8	53.4	6.1	5.3	8.23	60.2		437.786
14.	53.4	54.8	50.0	52.7	4.8	5.8	11.42	59.1		437.771
15.	52.8	56.8	50.0	53.2	6.8	6.0	9.28	61.5		437.751
16.	50.7	55.5	51.4	52.5	4.8	5.4	8.22	58.4		437.738
17.	52.1	54.1	51.4	52.5	2.7	6.1	7.30	58.5		437.736
18.	52.8	55.5	51.4	53.2	4.1	6.3	9.72	59.6		437.713
19.	51.4	55.5	52.1	53.0	4.1	6.3	9.60	59.7		437.708
20.	54.8	56.8	50.7	54.1	6.1	6.4	11.30	60.9		437.701
21.	50.0	54.1	46.7	50.3	7.4	5.4	9.13	57.1		437.696
22.	52.8	55.5	51.4	53.2	4.1	6.4	10.06	60.0		437.683
23.	50.7	54.1	50.7	51.8	3.4	6.1	9.44	59.1		437.676
24.	50.7	53.4	50.7	51.6	2.7	6.2	9.27	59.5		437.756
25.	49.4	53.4	49.4	50.7	4.0	6.3	7.47	60.5		437.641
26.	50.7	54.0	44.4	49.7	9.6	6.5	8.74	63.1		437.618
27.	50.7	54.8	48.0	51.2	6.8	7.0	9.41	62.8		437.618
28.	50.7	54.1	47.4	50.7	6.7	6.6	9.45	63.7		437.606
29.	50.0	54.1	48.7	50.9	5.4	6.3	8.37	62.4		437.596
30.	49.4	53.4	48.0	50.3	5.4	6.3	8.92	63.0		437.591
Mittel	50.7	55.1	50.0	51.9	5.7	5.2	8.70	60.33		437.757

Die mittlere magnetische Declination in **Klagenfurt** war 9° 51'9"; mit dem Maximum 9° 54'1" am 20. und dem Minimum 9° 49'5" am 11.

Die mittlere Tagesvariation betrug 5.7'; mit dem Maximum 9.6' am 26. und dem Minimum 2.3' am 11.

Meteorologische Beobachtungen zu Klagenfurt

Tag	Luftdruck Millim. 700 +					Luftwärme Celsius °					Ozon		Sonnenschein °/o
	7 ^h	2 ^h	9 ^h	Mittel	Abwei- chung	7 ^h	2 ^h	9 ^h	Mittel	Abwei- chung	7 ^h	9 ^h	
1.	27.9	26.6	28.4	27.6	+ 5.5	- 1.7	2.3	0.7	0.4	- 4.8	9	11	—
2.	31.3	31.2	31.7	31.4	+ 9.3	- 3.2	3.3	1.3	0.5	- 4.3	9	11	68.7
3.	30.9	29.3	28.2	29.5	+ 7.4	- 0.4	2.6	0.5	0.9	- 3.5	10	14	—
4.	25.9	24.4	24.6	25.0	+ 2.9	- 0.4	3.6	0.9	1.4	- 3.0	13	8	61.9
5.	26.6	28.0	31.3	28.6	+ 6.4	- 1.7	4.4	- 2.1	0.2	- 3.6	5	7	44.3
6.	31.9	30.9	31.2	31.3	+ 9.1	- 7.4	0.0	- 4.9	- 4.1	- 8.0	9	3	90.1
7.	32.2	31.3	31.8	31.8	+ 9.6	- 8.7	0.0	- 4.9	- 4.5	- 7.8	6	6	72.9
8.	32.0	30.4	29.9	30.8	+ 8.6	- 5.4	- 1.7	- 3.6	- 3.6	- 6.7	6	4	—
9.	26.8	25.3	25.2	25.8	+ 3.6	- 6.7	- 0.2	- 4.8	- 3.9	- 6.7	4	2	2.1
10.	24.0	21.3	22.4	22.6	+ 0.4	- 6.7	1.5	- 2.6	- 2.6	- 5.0	3	3	4.3
11.	22.6	19.9	19.7	20.8	- 1.4	- 5.6	3.0	- 1.5	- 1.4	- 3.4	4	2	40.9
12.	18.3	17.8	19.5	18.5	- 3.7	- 0.9	5.6	3.0	2.6	+ 0.9	3	3	5.2
13.	19.1	18.0	16.6	17.9	- 4.4	- 3.3	7.9	5.3	5.5	+ 4.0	4	4	—
14.	13.7	10.4	12.7	12.3	- 10.0	- 2.7	13.0	5.5	7.1	+ 5.7	3	3	—
15.	15.2	15.4	16.2	15.6	- 6.7	- 0.7	10.0	3.5	4.7	+ 3.4	4	3	64.1
16.	17.0	16.9	16.6	16.8	- 5.5	- 1.2	11.4	3.9	5.5	+ 4.3	4	4	80.4
17.	18.9	20.9	23.3	21.0	- 1.3	- 4.7	9.4	2.8	5.6	+ 4.7	6	5	72.5
18.	24.1	23.7	28.3	25.4	+ 3.0	- 1.3	7.6	2.3	2.9	+ 2.3	7	3	83.5
19.	31.1	29.4	29.3	29.9	+ 7.5	- 0.3	8.0	2.3	3.3	+ 3.1	6	4	47.8
20.	27.2	25.4	22.9	25.2	+ 2.8	- 1.4	1.8	1.8	0.7	+ 0.9	5	4	—
21.	19.9	18.0	17.4	18.4	- 4.0	- 0.3	7.3	2.7	3.2	+ 3.6	3	3	26.4
22.	16.6	15.6	17.1	16.4	- 6.1	- 0.7	6.6	5.5	3.8	+ 4.2	2	5	38.2
23.	18.7	18.7	18.7	18.7	- 3.8	- 2.3	5.9	4.1	4.1	+ 4.3	10	4	—
24.	19.5	20.0	20.3	19.9	- 2.6	- 4.3	5.8	4.1	4.7	+ 4.7	4	4	—
25.	20.2	19.7	19.8	19.9	- 2.6	- 4.1	6.2	5.0	5.1	+ 4.9	4	3	—
26.	18.3	17.3	17.5	17.7	- 4.9	- 4.7	6.0	5.8	5.5	+ 5.1	3	5	—
27.	17.8	16.6	19.2	17.9	- 4.7	- 3.4	7.6	4.5	5.2	+ 4.8	6	6	—
28.	22.4	23.1	23.2	22.9	+ 0.3	- 2.7	5.0	3.2	3.6	+ 3.3	10	7	—
29.	22.8	21.7	22.3	22.3	+ 0.4	- 0.8	3.3	2.9	2.3	+ 2.2	8	5	—
30.	23.5	22.8	23.8	28.4	+ 0.7	- 1.5	5.7	0.4	2.5	+ 2.8	4	3	86.0
Mittel	23.22	22.30	22.97	22.84	+ 0.53	- 0.55	5.10	1.59	2.04	+ 0.45	5.8	5.0	29.58
											5.4		

5.4

Am 14. Jauck und Regen; am 17. Neuschnee auf den Bergen bis 1000 Meter Seehöhe herab; am 24. Abends Wetterleuchten; am 26. 1 Uhr Mittags Blitz und Donner aus Südwest $\frac{1}{2}$ Stunde dauernd; am 27. 10 Uhr 16 Minuten Abends ein Erdbeben, 2 Sekunden dauernd, Richtung Ost-West, mit nachfolgendem unterirdischen Rollen.

im November 1891. Von F. Seeland.

Dunstdruck Millimeter				Luftfeuchtigkeit in Proc. d. Sätt.				Bewölkung 0=rein, 10=trüb				Winde 0=ruhig, 10=Sturm			Nieder- schlag	Schneehöhe
7 ^h	2 ^h	9 ^h	Mittel	7 ^h	2 ^h	9 ^h	Mittel	7 ^h	2 ^h	9 ^h	Mittel	7 ^h	2 ^h	9 ^h		
3.6	3.9	4.3	3.9	90	72	89	84	10	10	10*	10	NE ¹	NE ¹	NE ¹	Spur ✕	—
3.2	5.1	4.3	4.2	89	88	85	87	3	1	10	5	NW ¹	NE ³	NE ³	—	—
4.2	3.3	4.2	3.9	94	60	89	81	10*	10	10	10	NE ²	NE ¹	NE ²	Spur ✕	—
3.9	3.3	3.8	3.7	87	55	77	73	7	3	0	3	NE ¹	NE ¹	NE ¹	—	—
3.6	2.2	3.4	3.1	88	35	85	69	4	3	0	2	NE ¹	NE ⁴	NE ¹	—	—
2.0	4.1	2.7	2.9	78	89	86	84	0	0	0	0	NW ¹	NE ¹	E ¹	—	—
2.0	3.9	2.8	2.9	85	85	88	86	0	0	0	0	NW ¹	NE ¹	NE ²	—	—
2.4	3.1	3.5	3.0	78	78	100	85	10	10	10	7	NE ¹	NE ¹	NE ¹	—	—
2.3	4.0	2.9	3.1	84	89	90	88	7	7	0	5	NW ¹	NE ¹	E ¹	—	—
2.3	4.6	3.4	3.4	84	91	92	89	10	10	0	7	NE ¹	SW ¹	SW ¹	—	—
2.5	3.6	3.9	3.3	85	62	94	80	2	3	0	2	NW ¹	SW ¹	SW ¹	—	—
5.8	5.3	4.8	5.3	88	79	85	84	10	10	10*	10	NW ¹	SW ¹	SW ¹	1.4.	—
5.4	6.7	5.9	6.0	93	85	89	89	10	10	10	10	NE ¹	SW ¹	SW ¹	Spur	—
5.1	8.5	6.5	6.7	91	76	97	88	10*	10*	0	7	NW ⁰	SW ⁶	NW ¹	1.2.	—
4.6	6.6	4.8	5.3	94	72	82	83	4	4	2	3	NW ¹	SW ¹	SW ¹	4.1	—
4.3	5.7	5.2	5.1	85	57	85	76	5	3	1	3	NW ¹	SW ²	SW ¹	—	—
6.0	6.8	4.8	5.9	94	78	86	86	9	2	0	4	SW ¹	SE ¹	NW ¹	4.6.	—
3.8	5.5	4.4	4.6	90	70	80	80	7	1	0	3	W ¹	SE ²	SE ¹	—	—
4.1	4.9	4.7	4.6	92	62	85	80	10	4	1	5	SE ¹	NW ¹	NE ¹	—	—
3.8	4.9	4.8	4.5	92	93	91	92	10	10	10	10	SW ¹	SW ¹	SW ¹	—	—
4.1	6.7	5.1	5.3	92	88	91	90	10	2	0	4	SW ¹	E ¹	NW ¹	—	—
4.0	6.0	5.7	5.2	92	83	85	87	7	4	10	7	E ¹	SW ¹	W ¹	—	—
4.9	5.9	5.5	5.4	91	86	90	89	10	10	9	10	E ¹	E ¹	SE ¹	2.1	—
5.7	5.4	5.2	5.4	92	79	85	85	10	10	10	10	NE ¹	E ¹	E ¹	0.6. <	—
5.4	5.9	6.3	5.9	88	84	76	83	10	10	10*	10	NW ¹	NE ¹	NE ¹	—	—
6.0	6.6	6.6	6.4	94	94	96	95	10	10*	10	10	SW ¹	E ¹	NE ¹	5.0. <	—
5.3	7.1	4.9	5.8	92	91	78	87	10	8	10*	9	NE ¹	E ¹	NE ⁴	10.2.	—
5.1	5.2	4.7	5.0	91	80	81	84	10	10	10	10	NE ¹	NE ¹	NE ²	6.0	—
4.5	4.6	4.8	4.6	92	80	85	86	10	10	10	10	NE ¹	NE ¹	NE ¹	—	—
4.5	3.7	3.8	4.0	87	54	83	75	7	0	0	2	SW ¹	SE ¹	NE ¹	—	—
4.15	5.10	4.59	4.62	89.1	76.5	86.8	84.1	7.4	6.2	4.8	6.3	1.0	1.4	1.2	35.2	—

Grundwasserstand in Klagenfurt:

K. k. Militärspital	440.040 Meter
Seelandbrunnen	437.757
Friedhofbrunnen	437.431
Wörtherseespiegel	441.276
Höchster Pegelstand am 1.	441.328
Tiefster „ „ 22.	441.238

Drauspiegel an der Hollenburgbrücke (Opunkt 425.89 m) 426.39 m
Maximum am 15. 427.27 m, Minimum am 12. 426.17 m.

Vorläufige Übersicht der Witterung in Karnten im November 1891 vom Central Observatorium in Wien.

Stationen	Seehöhe Meter	Luftdruck in Millimeter				Luftwärme in Celsius °					Dunst- druck mm	Feuch- tigkeit %	Bewöl- kung	Herr- schender Wind	Niederschlag			Tage		darunter mit						
		Grösster	am	Kleinst.	am	Mittel	Grösste	am	Kleinste	am					Mittel	Summe	Grösster in 24h	am	heiter	h. heiter	trüb	Nieder- schlag	Schnee	Regen	Gewitter	Sturm
Klagenfurt I.	448	732.2	7	710.4	14.	722.8	13.0	14.	— 8.7	7.	1.9	4.6	84	6.3	NE	35	10	27.	9	5	16	12	2	0	1	0
dto. II.	504	—	—	—	—	—	13.7	14.	— 9.7	7.	2.4	—	—	6.7	NE	—	—	—	5	9	16	12	2	0	1	0
Kappel a. d. Drau	441	—	—	—	—	—	15.5	14.	— 8.0	7.	2.4	—	—	6.2	S	42	12	14.	3	6	21	9	0	0	1	1
Unterdrauburg	343	—	—	—	—	—	16.8	14.	— 8.4	7.	3.0	—	—	7.4	E	42	14	26.	5	7	18	6	1	0	0	0
Liescha	552	723.6	7.	701.8	14.	714.0	15.0	14.	— 8.7	7.	2.2	—	—	6.5	NE	37	9	26.	6	8	16	10	4	0	1	0
Bad Vellach	843	—	—	—	—	—	11.5	13.	— 10.0	7.	2.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Eisenkappel	554	—	—	—	—	—	11.8	14.	— 9.6	7.	2.5	—	—	—	—	102	17	27.	—	—	—	14	1	0	0	0
Obir	2047	600.9	19.	584.3	14.	592.5	7.0	20.	— 15.5	5.	— 3.5	3.6	96	5.3	SW	94	16	16.	10	8	12	13	9	0	1	5
St. Leonhard.	730	—	—	—	—	—	12.6	14.	— 8.2	7.	2.9	—	—	7.2	N	25	6	22.	3	8	19	7	0	0	0	1
St. Andrä	432	—	—	—	—	—	16.1	14.	— 11.3	7.	1.5	4.7	88	7.0	SE	28	9	26.	2	12	16	12	2	0	0	2
Guttlaring	642	—	—	—	—	—	14.0	15.	— 11.0	7.	1.7	—	—	5.1	—	34	14	17.	11	6	13	5	0	0	0	0
Stelzing	1410	—	—	—	—	—	9.0	19.	— 11.8	6.	— 0.3	—	—	6.0	W	—	—	—	8	7	15	—	—	—	—	—
Knappenberg	1045	—	—	—	—	—	9.8	14.	— 11.0	6. 7.	0.8	5.0	82	4.5	W	30	9	26.	12	11	7	9	3	0	0	0
Hüttenberg	783	702.2	6	782.6	14.	693.1	11.0	14.	— 9.2	7.	2.3	—	—	4.7	W	24	6	26.	11	9	10	6	0	0	0	0
Villach Stadt	501	726.5	7.	704.4	14.	717.2	12.6	16.	— 8.4	7.	2.7	5.4	94	6.6	E	55	12	26.	7	6	17	14	3	0	2	0
Kömmel	1057	—	—	—	—	—	8.6	26.	— 13.0	6.	— 0.5	—	—	5.1	—	74	28	14.	11	7	12	10	5	0	0	0
St. Georgen a. L.	556	—	—	—	—	—	13.3	14.	— 8.3	7.	1.8	—	—	4.8	—	34	13	26.	—	—	—	8	1	0	1	0
Radenthein	738	—	—	—	—	—	11.6	18.	— 8.6	7.	1.8	—	—	6.0	—	45	22	14.	8	6	16	7	1	0	0	0
Spittal a. d. D.	554	721.7	1.	700.7	14.	712.1	10.2	17.	— 8.5	7.	2.1	—	—	6.5	SE	44	13	12.	6	7	17	7	0	0	0	0
Lind	526	—	—	—	—	—	12.7	14.	— 8.2	7.	1.9	—	—	6.4	NE	34	15	27.	7	5	18	7	1	0	0	0
Pörtschach	464	—	—	—	—	—	10.4	16.	— 8.0	7.	2.2	—	—	5.1	SW	—	—	—	10	5	15	6	0	0	1	0
Radweg	692	—	—	—	—	—	13.2	14.	— 8.2	7.	2.1	—	—	5.2	S	34	10	26.	10	6	14	10	1	0	2	1
Sirnitz	800	—	—	—	—	—	10.0	13.	— 8.2	7.	2.2	—	—	6.0	—	53	13	14. 27.	7	6	17	9	1	0	0	0
Reichenau	1059	—	—	—	—	—	12.0	12.	— 13.4	8.	0.7	—	—	6.3	—	8	3	26.	8	4	18	11	2	0	0	0
Bad Villach	488	—	—	—	—	—	10.8	14.	— 7.4	7.	2.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Bleiberg	927	690.5	19	670.7	14.	682.1	11.0	13.	— 10.4	6.	1.3	4.3	84	4.2	NE	32	9	14.	13	10	7	6	0	0	0	0
Raibl	981	—	—	—	—	—	10.8	19.	— 8.0	6.	1.7	—	—	5.9	N	327	111	14.	6	12	12	13	5	1	1	0
St. Peter i. K.	1217	—	—	—	—	—	8.6	13.	— 11.5	6.	0.1	—	—	5.9	NE	97	33	14.	6	8	16	8	2	0	0	0
Waidegg	640	—	—	—	—	—	10.6	18.	— 6.2	9.	2.8	—	—	5.9	NE	—	—	—	10	5	15	9	0	0	0	0
Cornat	1067	679.5	6	660.1	14.	671.1	11.3	20.	— 10.0	6.	1.4	—	—	5.2	N	84	34	14.	11	5	14	8	2	0	0	0
Oberdrauburg	610	—	—	—	—	—	15.0	18.	— 8.5	9.	2.2	—	—	5.1	NW	64	25	14.	13	4	13	9	1	0	0	0
Greifenburg	726	—	—	—	—	—	14.4	18.	— 8.2	7.	2.9	—	—	6.4	N	157	58	14.	5	7	18	6	0	0	0	0
Gmünd	728	—	—	—	—	—	11.0	17.	— 10.0	6. 7.	1.8	—	—	3.3	E	36	10	14.	—	—	—	5	1	0	0	0
Maltein	824	—	—	—	—	—	10.3	14.	— 10.3	7.	1.6	—	—	4.4	S	50	23	14.	16	4	10	3	0	0	0	0
Jauken	2072	—	—	—	—	—	12.0	20.	— 15.0	2.	— 2.4	—	—	4.0	SW	54	19	13.	15	5	10	5	4	0	0	0
Sonnblick	3093	527.7	19.	510.2	14.	517.5	— 2.8	19.	— 24.0	6.	— 9.2	—	93	6.2	SW	119	23	13.	8	6	16	20	20	0	0	9

Die Stundenbeobachtungen 1891 in Klagenfurt mit dem System Frères Richard.

A. Luftdruck in Millimetern 700 +

Angaben des Instrumentes für die Beobachtungsst

Monat Jahreszeit Jahr	1 a	2 a	3 a	4 a	5 a	6 a	7 a	8 a	9 a	10 a	11 a	Mittag	1 p	2 p	3 p	4 p	5 p
December	25.44	25.41	25.37	25.36	25.37	25.36	25.37	25.44	25.47	25.47	25.39	25.26	25.08	24.91	24.87	24.92	25.00
Jänner	25.34	25.36	25.33	25.41	25.45	26.49	25.53	25.49	25.46	25.44	25.38	25.22	25.09	24.93	24.94	24.97	25.02
Februar	33.66	33.68	33.67	33.65	33.65	20.36	20.38	20.40	20.33	20.25	20.14	20.00	19.83	19.63	19.52	19.48	19.47
März	20.46	20.42	20.38	20.37	20.36	20.38	20.40	20.38	20.33	20.25	20.14	20.00	19.83	19.63	19.52	19.48	19.47
April	20.48	20.51	20.56	20.61	20.69	20.78	20.88	20.87	20.82	20.73	20.60	20.43	20.26	20.11	20.02	19.94	19.95
Mai	19.70	19.74	19.77	19.78	19.84	19.88	19.91	19.86	19.78	19.69	19.57	19.39	19.14	18.90	18.77	18.68	18.66
Juni	22.98	23.02	23.03	23.07	23.10	23.14	23.14	23.06	22.91	22.74	22.61	22.31	22.14	21.92	21.88	21.81	21.82
Juli	22.72	22.72	22.72	22.76	22.83	22.90	22.96	22.90	22.80	22.66	22.46	22.20	21.96	21.68	21.54	21.43	21.42
August	23.36	23.44	23.48	23.51	23.54	23.60	23.62	23.54	23.41	23.24	23.04	22.80	22.55	22.28	22.10	21.97	21.96
September	26.83	26.87	26.92	26.97	27.04	27.11	27.19	27.24	27.28	27.22	27.06	26.75	26.43	26.10	25.91	25.78	25.79
October	23.10	23.11	23.08	23.09	23.13	23.16	23.16	23.15	23.13	23.10	22.98	22.86	22.69	22.54	22.57	22.62	22.67
November	23.20	23.20	23.19	23.19	23.20	23.20	23.21	23.13	23.03	22.94	22.81	22.63	22.53	22.40	22.42	22.46	22.52
Winter	28.15	28.15	28.12	28.14	28.16	28.20	28.23	28.25	28.25	28.25	28.17	28.06	27.87	27.71	27.66	27.65	27.65
Frühling	20.21	20.21	20.24	20.25	20.30	20.35	20.40	20.37	20.31	20.22	20.10	19.94	19.74	19.55	19.44	19.36	19.36
Sommer	23.02	23.06	23.08	23.11	23.16	23.21	23.24	23.17	23.04	22.88	22.17	22.44	22.22	21.96	21.84	21.74	21.73
Herbst	24.38	24.39	24.40	24.42	24.46	24.50	24.52	24.50	24.58	24.42	24.28	24.08	23.88	23.68	23.63	23.62	23.66
Jahr 1891	23.94	23.95	23.96	23.98	24.02	24.06	24.10	24.07	24.04	23.94	23.68	23.63	23.43	23.22	23.14	23.09	23.10

B. Luftwärme in Celsius-Graden.

December	-8.09	-8.19	-8.26	-8.35	-8.47	-8.58	-8.68	-8.47	-7.93	-7.33	-6.73	-6.16	-5.92	-5.69	-5.97	-6.34	-6.70
Jänner	-12.44	-12.31	-12.95	-13.21	-13.56	-13.84	-14.08	-13.40	-8.67	-7.15	-5.79	-4.18	-2.79	-1.38	-1.36	-1.43	-1.86
Februar	-8.01	-8.44	-9.20	-9.68	-10.18	-10.66	-11.05	-10.06	1.76	2.97	4.26	5.45	6.36	7.18	7.13	7.02	6.46
März	1.47	1.23	0.92	0.68	0.33	0.07	0.40	0.59	5.73	6.99	8.29	9.53	10.26	10.71	10.53	10.23	9.70
April	4.52	4.20	3.90	3.55	3.26	3.05	3.18	3.39	14.55	15.76	16.94	18.05	18.61	19.15	19.03	18.86	18.44
Mai	11.94	11.52	11.12	10.73	10.35	10.54	12.24	13.39	17.83	19.17	20.43	21.56	21.99	22.75	22.89	23.08	22.79
Juni	14.44	13.82	13.20	12.72	12.54	13.92	15.28	16.49	19.15	20.36	21.55	22.75	23.50	24.33	24.33	24.25	23.84
Juli	15.92	15.36	14.86	14.44	14.63	15.70	16.91	18.06	16.40	17.60	18.82	20.06	20.82	21.69	21.79	21.46	20.74
August	14.11	13.65	13.28	12.89	12.98	13.45	14.15	15.26	13.18	14.31	15.55	16.84	17.85	18.87	19.03	19.08	18.13
September	11.30	10.91	10.46	10.03	9.69	10.31	10.76	11.99	10.22	11.21	12.15	13.03	13.70	14.34	13.58	13.50	12.77
October	8.87	8.57	8.41	8.14	8.01	8.00	8.25	9.19	1.13	2.02	2.96	3.91	4.53	5.10	4.84	4.39	3.81
November	0.55	0.39	0.28	0.09	-0.11	-0.34	-0.56	0.24	9.69	-8.67	-7.65	-6.61	-5.75	-5.01	-5.11	-5.39	-5.80
Winter	-9.51	-9.65	-10.14	-10.41	-10.74	-11.03	-11.27	-10.64	7.35	8.57	9.83	11.01	11.74	12.35	12.23	12.04	11.53
Frühling	5.98	5.65	5.31	4.99	4.81	4.55	5.27	6.14	17.79	19.04	20.27	21.46	22.10	22.89	23.00	22.93	22.46
Sommer	14.82	14.28	13.78	13.35	13.38	14.36	15.45	16.60	8.18	9.18	10.22	11.26	12.03	12.77	12.48	12.32	11.57
Herbst	6.91	6.62	6.38	6.09	5.86	5.99	6.15	7.14	5.91	7.04	8.17	9.28	10.03	10.75	10.65	10.47	9.95
Jahr 1891	4.55	4.22	3.33	3.50	3.33	3.47	3.90	4.81	5.91	7.04	8.17	9.28	10.03	10.75	10.65	10.47	9.95

Baro- & Thermographen.

Monat	1 p	2 p	3 p	4 p	5 p	Mittel	Maxim.	Minim.
December	25.17	25.27	25.37	25.41	25.45	25.48	25.28	27.11
Jänner	25.13	25.18	25.21	25.25	25.29	25.35	25.27	27.32
Februar	33.63	33.68	33.73	33.76	33.81	33.84	33.47	35.07
März	20.39	20.46	20.53	20.58	20.65	20.72	20.45	21.92
April	20.14	20.26	20.36	20.46	20.58	20.68	20.45	21.17
Mai	18.57	19.03	19.22	19.34	19.43	19.51	19.38	21.17
Juni	22.19	22.42	22.69	22.87	22.96	23.04	22.61	24.13
Juli	21.76	22.00	22.25	22.39	22.51	22.62	22.31	23.82
August	26.09	26.33	26.58	26.70	26.81	26.91	26.66	28.19
September	23.00	23.00	23.09	23.15	23.16	23.16	22.97	24.42
October	22.73	22.80	22.97	23.01	23.04	23.05	22.90	24.50
November	27.78	27.88	27.94	28.01	28.07	28.14	28.01	29.83
Winter	19.50	19.66	19.78	19.88	19.98	20.06	19.95	21.64
Frühling	22.04	22.30	22.59	22.75	22.88	22.93	22.62	24.19
Sommer	23.91	24.06	24.21	24.29	24.34	24.37	24.18	25.70
Herbst	27.78	27.88	27.94	28.01	28.07	28.14	28.01	29.83

December	-7.33	-7.62	-7.90	-7.96	-8.03	-8.12	-7.49	-5.45	-9.87
Jänner	-10.04	-10.60	-11.17	-11.33	-11.32	-11.23	-11.18	-7.50	-14.97
Februar	-4.06	-5.13	-6.07	-6.69	-7.23	-7.71	-6.32	-0.79	-11.74
März	4.64	3.76	2.53	2.48	2.18	1.96	3.20	0.77	-0.83
April	8.08	7.17	6.34	5.92	5.56	5.22	6.14	11.21	2.79
Mai	16.54	15.20	13.91	13.40	12.90	12.42	14.79	19.83	9.99
Juni	20.69	19.16	17.11	16.39	15.76	15.16	17.99	23.66	13.72
Juli	23.78	19.66	18.28	17.68	17.24	16.46	16.92	22.23	12.16
August	18.55	17.82	16.18	15.57	15.05	14.69	13.96	19.53	9.28
September	15.65	14.49	13.41	12.73	12.12	11.49	10.53	13.66	7.20
October	11.28	10.62	9.99	9.47	9.13	8.82	1.91	5.25	-0.64
November	2.69	2.16	1.59	1.30	0.99	0.75	-8.33	-4.58	-12.19
Winter	-7.14	-7.78	-8.38	-8.73	-9.06	-9.36	-8.33	-4.58	-12.19
Frühling	9.75	8.71	7.69	7.27	6.88	6.53	8.04	10.60	3.98
Sommer	21.01	18.81	17.19	16.55	16.02	15.44	18.09	23.82	13.50
Herbst	9.88	9.09	8.33	7.83	7.41	7.02	8.81	12.82	13.84
Jahr 1891	8.37	7.21	6.21	5.73	5.31	4.91	6.71	10.66	5.05

Vorläufige Uebersicht der Witterung in Kärnten im November 1891 vom Central-Observatorium in Wien.

Stationen	Seehöhe Meter	Luftdruck in Millimeter					Luftwärme in Celsius °					Dunst- druck mm	Feuch- tigkeit %	Bewölkung	Herr- schender Wind	Niederschlag			Tage		darunter mit					
		Grös- ster	am	Klein- st.	am	Mittel	Grösste	am	Kleinste	am	Mittel					Summe	Grösster in 24h	am	heiter	h. heiter	trüb	Nieder- schlag	Schnee-	Regel	Gewitter	Sturm
Klagenfurt I.	448	732.2	7	710.4	14.	722.8	13.0	14.	— 8.7	7.	1.9	4.6	84	6.3	NE	35	10	27.	9	5	16	12	2	0	1	0
dto. II.	504	—	—	—	—	—	13.7	14.	— 9.7	7.	2.4	—	—	6.7	NE	—	—	—	5	9	16	12	2	0	1	0
Kappel a. d. Drau	441	—	—	—	—	—	15.5	14.	— 8.0	7.	2.4	—	—	6.2	S	42	12	14.	3	6	21	9	0	0	1	1
Unterdrauburg	343	—	—	—	—	—	16.8	14.	— 8.4	7.	3.0	—	—	7.4	E	42	14	26.	5	7	18	6	1	0	0	0
Liescha	552	723.6	7.	701.8	14.	714.0	15.0	14.	— 8.7	7.	2.2	—	—	6.5	NE	37	9	26.	6	8	16	10	4	0	1	0
Bad Vellach	843	—	—	—	—	—	11.5	13.	— 10.0	7.	2.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Eisenkappel	554	—	—	—	—	—	11.8	14.	— 9.6	7.	2.5	—	—	—	—	102	17	27.	—	—	—	14.	1	0	0	0
Obir	2047	600.9	19.	584.3	14.	592.5	7.0	20.	— 15.5	5.	— 3.5	3.6	96	5.3	SW	94	16	16.	10	8	12	13	9	0	1	5
St. Leonhard	730	—	—	—	—	—	12.6	14.	— 8.2	7.	2.9	—	—	7.2	N	25	6	22.	3	8	19	7	0	0	0	1
St. Andrä	432	—	—	—	—	—	16.1	14.	— 11.3	7.	1.5	4.7	88	7.0	SE	28	9	26.	2	12	16	12	2	0	0	2
Guttfaring	642	—	—	—	—	—	14.0	15.	— 11.0	7.	1.7	—	—	5.1	—	34	14	17.	11	6	13	5	0	0	0	0
Stelzing	1410	—	—	—	—	—	9.0	19.	— 11.8	6.	— 0.3	—	—	6.0	W	—	—	—	8	7	15	—	—	—	—	—
Knappenberg	1045	—	—	—	—	—	9.8	14.	— 11.0	6. 7.	0.8	5.0	82	4.5	W	30	9	26.	12	11	7	9	3	0	0	0
Hüttenberg	783	702.2	6	782.6	14.	693.1	11.0	14.	— 9.2	7.	2.3	—	—	4.7	W	24	6	26.	11	9	10	6	0	0	0	0
Villach Stadt	501	726.5	7	704.4	14.	717.2	12.6	16.	— 8.4	7.	2.7	5.4	94	6.6	E	55	12	26.	7	6	17	14	3	0	2	0
Kömmel	1057	—	—	—	—	—	8.6	26.	— 13.0	6.	0.5	—	—	5.1	—	74	28	14.	11	7	12	10	5	0	0	0
St. Georgen a. L.	556	—	—	—	—	—	13.3	14.	— 8.3	7.	1.8	—	—	4.8	—	34	13	26.	—	—	—	8	1	0	1	0
Radenthein	738	—	—	—	—	—	11.6	18.	— 8.6	7.	1.8	—	—	6.0	—	45	22	14.	8	6	16	7	1	0	0	0
Spittal a. d. D	554	721.7	1.	700.7	14.	712.1	10.2	17.	— 8.5	7.	2.1	—	—	6.5	SE	44	13	12.	6	7	17	7	0	0	0	0
Lind	526	—	—	—	—	—	12.7	14.	— 8.2	7.	1.9	—	—	6.4	NE	34	15	27.	7	5	18	7	1	0	0	0
Pörtschach	464	—	—	—	—	—	10.4	16.	— 8.0	7.	2.2	—	—	5.1	SW	—	—	—	10	5	15	6	0	0	1	0
Radweg	692	—	—	—	—	—	13.2	14.	— 8.2	7.	2.1	—	—	5.2	S	34	10	26.	10	6	14	10	1	0	2	1
Sirnitz	800	—	—	—	—	—	10.0	13.	— 8.2	7.	2.2	—	—	6.0	—	53	13	14. 27.	7	6	17	9	1	0	0	0
Reichenau	1059	—	—	—	—	—	12.0	12.	— 13.4	8.	0.7	—	—	6.3	—	8	3	26.	8	4	18	11	2	0	0	0
Bad Villach	488	—	—	—	—	—	10.8	14.	— 7.4	7.	2.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Bleiberg	927	690.5	19.	670.7	14.	682.1	11.0	13.	— 10.4	6.	1.3	4.3	84	4.2	NE	32	9	14.	13	10	7	6	0	0	0	0
Raibl	981	—	—	—	—	—	10.8	19.	— 8.0	6.	1.7	—	—	5.9	N	327	111	14.	6	12	12	13	5	1	1	0
St. Peter i. K.	1217	—	—	—	—	—	8.6	13.	— 11.5	6.	0.1	—	—	5.9	NE	97	33	14.	6	8	16	8	2	0	0	0
Waidegg	640	—	—	—	—	—	10.6	18.	— 6.2	9.	2.8	—	—	5.9	NE	—	—	—	10	5	15	9	0	0	0	0
Cornat	1067	679.5	6	660.1	14.	671.1	11.3	20.	— 10.0	6.	1.4	—	—	5.2	N	84	34	14.	11	5	14	8	2	0	0	0
Oberdrauburg	610	—	—	—	—	—	15.0	18.	— 8.5	9.	2.2	—	—	5.1	NW	64	25	14.	13	4	13	9	1	0	0	0
Greifenburg	726	—	—	—	—	—	14.4	18.	— 8.2	7.	2.9	—	—	6.4	N	157	58	14.	5	7	18	6	0	0	0	0
Gmünd	728	—	—	—	—	—	11.0	17.	— 10.0	6. 7.	1.8	—	—	3.3	E	36	10	14.	—	—	—	5	1	0	0	0
Maltein	824	—	—	—	—	—	10.3	14.	— 10.3	7.	1.6	—	—	4.4	S	50	23	14.	16	4	10	3	0	0	0	0
Jauken	2072	—	—	—	—	—	12.0	20.	— 15.0	2.	— 2.4	—	—	4.0	SW	54	19	13.	15	5	10	5	4	0	0	0
Sonnblick	3093	527.7	19.	510.2	14.	517.5	— 2.8	19.	— 24.0	6.	— 9.2	—	93	6.2	SW	119	23	13.	8	6	16	20	20	0	0	9

Die Stundenbeobachtungen 1891 in Klagenfurt mit dem Baro & Thermographen.

System Frères Richard.

A. Luftdruck in Millimetern 700 +

Angaben des Instrumentes für die Beobachtungsstunden

Monat Jahreszeit Jahr	h 1 a	h 2 a	h 3 a	h 4 a	h 5 a	h 6 a	h 7 a	h 8 a	h 9 a	h 10 a	h 11 a	Mittag	h 1 p	h 2 p	h 3 p	h 4 p	h 5 p	h 6 p	h 7 p	h 8 p	h 9 p	h 10 p	h 11 p	Mitter- nacht	Mittel C°	Maxim. C°	Minim. C°
December	25.44	25.41	25.37	25.36	25.37	25.36	25.37	25.44	25.47	25.47	25.39	25.26	25.08	24.91	24.87	24.92	25.00	25.10	25.17	25.27	25.37	25.41	25.45	25.48	25.28	27.11	23.72
Jänner	25.34	25.36	25.33	25.41	25.45	26.49	25.53	25.49	25.46	25.44	25.38	25.22	25.09	24.93	24.94	24.97	25.02	25.08	25.13	25.18	25.21	25.25	25.29	25.35	25.27	27.32	23.73
Februar	33.66	33.68	33.67	33.65	33.65	33.74	33.78	33.82	33.82	33.83	33.74	33.69	33.45	33.29	33.16	33.07	32.96	32.98	33.05	33.18	33.23	33.36	33.47	33.58	33.47	35.07	31.56
März	20.46	20.42	20.38	20.37	20.36	20.38	20.40	20.38	20.33	20.25	20.14	20.00	19.83	19.63	19.52	19.48	19.47	19.52	19.59	19.68	19.77	19.85	19.93	19.99	20.01	21.82	18.22
April	20.48	20.51	20.56	20.61	20.69	20.78	20.88	20.87	20.82	20.73	20.60	20.43	20.26	20.11	20.02	19.94	19.95	20.02	20.14	20.26	20.36	20.46	20.58	20.68	20.45	21.92	19.11
Mai	19.70	19.74	19.77	19.78	19.84	19.88	19.91	19.86	19.78	19.69	19.57	19.39	19.14	18.90	18.77	18.68	18.66	18.73	18.87	19.03	19.22	19.34	19.43	19.51	19.38	21.17	21.92
Juni	22.98	23.02	23.03	23.07	23.10	23.14	23.14	23.06	22.91	22.74	22.61	22.31	22.14	21.92	21.88	21.81	21.82	21.99	22.19	22.42	22.69	22.87	22.96	23.04	22.61	24.13	21.24
Juli	22.72	22.72	22.72	22.76	22.83	22.90	22.96	22.96	22.80	22.66	22.46	22.20	21.96	21.68	21.54	21.43	21.42	21.54	21.76	22.00	22.25	22.39	22.51	22.62	22.31	23.82	20.92
August	23.36	23.44	23.48	23.51	23.54	23.60	23.62	23.54	23.41	23.24	23.04	22.80	22.55	22.28	22.10	21.97	21.96	22.02	22.17	22.49	22.82	23.00	23.16	23.14	22.93	24.62	21.25
September	26.83	26.87	26.92	26.97	27.04	27.11	27.19	27.24	27.28	27.22	27.06	26.75	26.43	26.10	25.91	25.78	25.79	25.88	26.09	26.33	26.58	26.70	26.81	26.91	26.66	28.19	25.12
October	23.10	23.11	23.08	23.09	23.13	23.16	23.16	23.15	23.13	23.10	22.98	22.86	22.69	22.54	22.57	22.62	22.67	22.79	22.90	23.00	23.09	23.15	23.16	23.16	22.97	24.42	21.70
November	23.20	23.20	23.19	23.19	23.20	23.20	23.21	23.13	23.03	22.94	22.81	22.63	22.53	22.40	22.42	22.46	22.52	22.60	22.73	22.86	22.97	23.01	23.04	23.05	22.90	24.50	21.35
Winter	28.15	28.15	28.12	28.14	28.16	28.20	28.23	28.25	28.25	28.25	28.17	28.06	27.87	27.71	27.66	27.65	27.65	27.72	27.78	27.88	27.94	28.01	28.07	28.14	28.01	29.83	26.34
Frühling	20.21	20.21	20.24	20.25	20.30	20.35	20.40	20.37	20.31	20.22	20.10	19.94	19.74	19.55	19.44	19.36	19.36	19.42	19.50	19.66	19.78	19.88	19.98	20.06	19.95	21.64	19.75
Sommer	23.02	23.06	23.08	23.11	23.16	23.21	23.24	23.17	23.04	22.88	22.17	22.44	22.22	21.96	21.84	21.74	21.73	21.85	22.04	22.30	22.59	22.75	22.88	22.93	22.62	24.19	21.14
Herbst	24.38	24.39	24.40	24.42	24.46	24.50	24.52	24.50	24.58	24.42	24.28	24.08	23.88	23.68	23.63	23.62	23.66	23.56	23.91	24.06	24.21	24.29	24.34	24.37	24.18	25.70	22.72
Jahr 1891	23.94	23.95	23.96	23.98	24.02	24.06	24.10	24.07	24.04	23.94	23.68	23.63	23.43	23.22	23.14	23.09	23.10	23.14	23.31	23.48	23.63	23.73	23.82	23.87	23.69	25.34	22.49

B. Luftwärme in Celsius-Graden.

December	-8.09	-8.19	-8.26	-8.35	-8.47	-8.58	-8.68	-8.47	-7.93	-7.33	-6.73	-6.16	-5.92	-5.69	-5.97	-6.34	-6.70	-7.04	-7.33	-7.62	-7.90	-7.96	-8.03	-8.12	-7.49	-5.45	-9.87
Jänner	-12.44	-12.31	-12.95	-13.21	-13.56	-13.84	-14.08	-13.40	-12.48	-11.45	-10.42	-9.49	-8.55	-7.97	-8.00	-8.41	-8.84	-9.46	-10.04	-10.60	-11.17	-11.53	-11.92	-12.25	-11.18	-7.50	-14.97
Februar	-8.01	-8.44	-9.20	-9.68	-10.18	-10.66	-11.05	-10.06	-8.67	-7.15	-5.79	-4.18	-2.79	-1.38	-1.36	-1.43	-1.86	-2.93	-4.06	-5.13	-6.07	-6.69	-7.23	-7.71	-6.32	-0.79	-11.74
März	1.47	1.23	0.92	0.68	0.33	0.07	0.40	0.59	1.76	2.97	4.26	5.45	6.36	7.18	7.13	7.02	6.46	5.59	4.64	3.76	2.83	2.48	2.18	1.96	3.20	0.77	-0.83
April	4.52	4.20	3.90	3.55	3.26	3.05	3.18	4.45	5.73	6.99	8.29	9.53	10.26	10.71	10.53	10.23	9.70	9.03	8.08	7.17	6.34	5.92	5.56	5.22	6.14	11.21	2.79
Mai	11.94	11.52	11.12	10.73	10.85	10.54	12.24	13.39	14.55	15.76	16.94	18.05	18.61	19.15	19.03	18.86	18.44	17.92	16.54	15.20	13.91	13.40	12.90	12.42	14.79	19.83	9.99
Juni	14.44	13.82	13.20	12.72	12.54	13.92	15.28	16.49	17.83	19.17	20.43	21.56	21.99	22.75	22.89	23.08	22.79	22.55	20.69	19.16	17.11	16.39	15.76	15.16	17.99	23.66	11.89
Juli	15.92	15.36	14.86	14.44	14.63	15.70	16.91	18.06	19.15	20.36	21.55	22.75	23.50	24.33	24.33	24.25	23.84	23.70	23.78	19.96	18.28	17.68	17.24	16.46	19.37	25.56	13.72
August	14.11	13.65	13.28	12.89	12.98	13.45	14.15	15.26	16.40	17.60	18.82	20.06	20.82	21.69	21.79	21.46	20.74	19.79	18.55	17.32	16.18	15.57	15.05	14.69	16.92	22.23	12.16
September	11.30	10.91	10.46	10.03	9.69	10.31	10.76	11.99	13.18	14.31	15.55	16.84	17.85	18.87	19.03	19.08	18.13	16.95	15.68	14.49	13.41	12.73	12.12	11.49	13.96	19.53	9.28
October	8.87	8.57	8.41	8.14	8.01	8.00	8.25	9.19	10.22	11.21	12.15	13.03	13.70	14.34	13.58	13.50	12.77	12.01	11.28	10.62	9.99	9.47	9.13	8.82	10.55	13.66	7.20
November	0.55	0.39	0.28	0.09	-0.11	-0.34	-0.56	0.24	1.13	2.02	2.96	3.91	4.53	5.10	4.84	4.39	3.81	3.20	2.69	2.16	1.59	1.30	0.99	0.75	1.91	5.28	-0.64
Winter	-9.51	-9.65	-10.14	-10.41	-10.74	-11.03	-11.27	-10.64	-9.69	-8.67	-7.65	-6.61	-5.75	-5.01	-5.11	-5.39	-5.80	-6.48	-7.14	-7.78	-8.38	-8.73	-9.06	-9.36	-8.33	-4.58	-12.19
Frühling	5.98	5.65	5.31	4.99	4.81	4.55	5.27	6.14	7.35	8.57	9.83	11.01	11.74	12.35	12.23	12.04	11.53	10.85	9.75	8.71	7.69	7.27	6.88	6.53	8.04	10.60	3.99
Sommer	14.82	14.28	13.78	13.35	13.38	14.36	15.45	16.60	17.79	19.04	20.27	21.46	22.10	22.89	23.00	22.93	22.46	22.01	21.01	18.81	17.19	16.55	16.02	15.44	18.09	23.82	12.59
Herbst	6.91	6.62	6.38	6.09	5.86	5.99	6.15	7.14	8.18	9.18	10.22	11.26	12.03	12.77	12.48	12.32	11.57	10.72	9.88	9.09	8.33	7.83	7.41	7.02	8.81	12.82	15.41
Jahr 1891	4.55	4.22	3.33	3.50	3.33	3.47	3.90	4.81	5.91	7.04	8.17	9.28	10.03	10.75	10.65	10.47	9.95	9.27	8.37	7.21	6.21	5.73	5.31	4.91	6.71	10.66	5.05

Von F. Seeland.

Monat Jahreszeit Jahr	Luftdruck in Millimeter					Luftwärme in Celsius °					Dunst- druck mm	Feuchtig- keit %	Bewölkung	Herschen- der Wind	Niederschlag			Tage				Darunter mit					Ozon		Grund- wasser Meter	Magnetische Declination		Sonnenschein				Schnee- höhe mm
	Grösster	am	Kleinster	am	Mittel	Grösste	am	Kleinste	am	Mittel					Summe	Grösster in 24h	am	heiter	halb heiter	trüb	Nieder- schlag	Schnee	Hagel	Gewitter	Sturm	7h	9h	0		'	Stunden	%	Inten- sität			
ecember 1890	735.4	31.	714.0	3.	725.21	2.4	3.	—21.3	29.	— 7.41	2.2	87.0	7.3	NE	34.7	7.3	3.	8	2	21	14	14	0	0	0	7.4	5.0	437.090	9	55.7	31.9	12.32	1.5	362		
inner 1891	736.5	31.	715.7	16.	725.24	—0.3	13.	—24.2	18.	—10.86	1.8	84.2	5.7	NE	31.3	9.4	8.	13	2	16	11	11	0	0	0	7.0	4.7	437.001	9	53.7	77.0	27.70	1.2	418		
ebbruar »	738.8	23.	726.1	13.	733.44	5.2	25.	—19.0	15.	— 6.17	2.5	83.8	2.7	NE	3.9	2.7	14.	20	4	4	2	2	0	0	0	7.6	5.2	436.982	9	53.1	151.4	52.67	2.3	48		
ärz »	733.4	1.	708.5	21.	719.92	12.6	11.	—12.1	1.	3.19	4.2	72.7	5.8	NW	19.1	10.4	22.	8	9	14	14	8	0	1	0	7.9	5.9	437.111	9	52.9	134.7	39.88	1.7	134		
pril »	726.0	30.	713.7	8.	720.45	18.2	30.	— 3.8	2.	6.74	4.9	67.6	6.4	NW	61.5	24.6	28.	7	7	16	15	0	0	0	0	7.3	5.9	437.459	9	51.8	126.7	31.29	1.9	0		
ai »	728.3	1.	710.6	16.	719.35	24.0	4.	2.4	17.	15.10	8.8	68.4	5.8	NW	94.9	43.9	17.	8	11	12	13	1	0	4	0	8.9	8.9	437.565	9	50.4	182.4	38.72	1.9	0		
uni »	729.4	18.	717.2	7.	722.57	31.6	30.	8.4	20.	18.37	10.2	64.8	5.7	NE	31.2	16.2	17.	4	16	10	12	0	0	4	1	8.6	8.2	437.654	9	53.2	231.0	48.23	1.8	0		
uli »	726.3	26.	716.7	30.	722.30	32.5	1.	11.9	13.	19.80	12.5	74.1	5.8	NW	158.5	29.1	29.	7	11	13	16	0	0	9	1	8.4	8.2	437.474	9	52.8	255.2	52.56	2.3	0		
ugust »	728.1	9.	713.8	23.	722.92	26.8	16.	9.9	7.	17.34	11.5	78.9	4.9	NE	223.4	67.3	23.	9	11	11	16	0	0	10	1	8.0	7.5	437.482	9	52.1	222.1	50.44	2.4	0		
eptember »	733.2	25.	718.0	22.	726.62	24.8	5.	2.6	25.	14.37	9.7	79.7	3.7	NE	75.4	24.7	22.	16	8	6	6	0	0	2	0	7.0	7.2	438.235	9	51.5	208.7	55.06	2.2	0		
ctober »	731.0	31.	715.2	22.	722.94	19.7	14.	3.4	31.	10.87	8.2	83.1	5.6	NE	75.9	36.3	18.	8	9	14	8	0	0	0	1	6.2	6.6	438.035	9	51.2	122.0	34.05	2.0	0		
ovember »	732.2	7.	710.4	14.	722.84	13.0	14.	— 8.7	7.	2.04	4.6	84.1	6.3	NE	35.2	10.2	27.	9	5	16	12	2	0	1	0	5.8	5.0	437.757	9	51.9	82.4	29.58	1.2	0		
Winter	736.9	—	718.6	—	727.96	2.4	—	—21.5	—	— 8.15	2.2	85.0	5.2	NE	69.9	6.5	—	41	8	41	27	27	0	0	0	7.3	5.0	437.024	9	54.2	260.3	30.90	1.7	828		
Frühling	729.2	—	710.9	—	719.91	18.3	—	— 4.5	—	— 8.34	6.0	69.6	6.0	NW	205.5	16.3	—	23	27	42	42	9	0	5	0	8.0	6.9	437.378	9	51.5	443.8	36.67	1.8	134		
Sommer	727.9	—	715.9	—	722.60	30.3	—	— 10.1	—	— 18.50	11.4	72.6	5.5	NE	413.1	37.5	—	20	38	34	44	0	0	23	3	8.3	8.0	437.537	9	52.7	708.3	50.41	2.2	0		
Herbst	732.1	—	714.5	—	724.13	19.2	—	— 0.9	—	— 9.09	7.5	82.3	5.2	NE	186.5	23.7	—	33	22	36	26	2	0	3	1	6.3	6.3	438.009	9	51.5	413.2	39.56	1.8	0		
Jahr 1891	731.5	—	714.8	—	723.67	17.5	—	— 4.2	—	— 6.94	6.8	77.4	5.5	NE	875.0	21.0	—	117	95	153	139	38	0	31	4	7.5	8.7	437.487	9	52.5	1825.6	39.37	1.9	962		

Dauer des Sonnenscheins.

Station Klagenfurt.

(Autograph.)

Jahr 1891.

Monat, Jahreszeit, Jahr	^h 3—4	^h 4—5	^h 5—6	^h 6—7	^h 7—8	^h 8—9	^h 9—10	^h 10—11	^h 11—12	^h 12—1	^h 1—2	^h 2—3	^h 3—4	^h 4—5	^h 5—6	^h 6—7	^h 7—8	^h 8—9	Vor- mittag	Nach- mittag	Tages- mittel	Tages- länge	Sonnenschein		Tages- Summe	
																				S t u n d e n				o/o	Inten- sität	Stunden
December 1890																				·23	·80	1·03	8·4	12·32	1·5	31·9
Jänner 1891							·02	·09	·12	·21	·29	·22	·07	·01						·99	1·60	2·59	8·8	27·70	1·2	77·0
Februar »							·17	·39	·41	·45	·43	·43	·29							2·00	3·41	5·41	10·2	52·67	2·3	151·4
März »				·01	·04	·17	·39	·66	·74	·81	·81	·72	·72	·32	·03					2·05	2·24	4·29	10·8	39·88	1·7	134·7
April »				·06	·20	·38	·46	·48	·52	·49	·52	·50	·46	·25	·02					2·14	2·11	4·25	13·6	31·29	1·9	126·7
Mai »				·39	·28	·41	·45	·48	·46	·44	·43	·38	·41	·30	·11	·04				3·17	2·72	5·89	15·8	38·72	1·9	182·4
Juni »		·02	·20	·39	·45	·54	·53	·54	·50	·48	·45	·44	·42	·40	·31	·20	·02			3·97	3·73	7·70	16·0	48·23	1·8	231·0
Juli »		·05	·34	·44	·54	·59	·64	·68	·69	·61	·59	·52	·54	·54	·43	·40	·10			4·24	3·99	8·23	15·6	52·56	2·3	255·2
August »		·11	·41	·45	·51	·67	·73	·71	·65	·60	·58	·57	·59	·60	·50	·45	·10			3·35	3·82	7·17	14·2	50·44	2·4	222·1
September »			·11	·36	·41	·48	·58	·67	·74	·72	·67	·63	·58	·53	·43	·25	·01			3·05	3·86	6·91	12·5	55·06	2·2	208·7
October »				·11	·32	·44	·59	·75	·84	·84	·79	·76	·71	·52	·24	·05				1·31	2·32	3·63	10·8	34·05	2·0	122·1
November					·08	·19	·33	·34	·37	·46	·52	·51	·51	·32						1·08	1·67	2·75	9·2	29·58	1·2	82·4
Winter					0·1	08	·18	·40	·41	·43	·41	·38	·32	·13												
Frühling					·01	·06	·19	·38	·42	·49	·51	·46	·36	·11	·01					1·06	1·94	3·00	9·1	30·90	1·7	260·3
Sommer		·01			·31	·44	·48	·50	·49	·47	·47	·44	·43	·32	·15	·08	0·1			2·45	2·37	4·82	13·4	36·63	1·8	443·8
Herbst		·05			·42	·49	·58	·65	·69	·64	·61	·57	·57	·56	·45	·38	0·7			3·86	3·85	7·70	15·3	50·41	2·2	708·3
				·04	·14	·24	·37	·50	·54	·58	·57	·55	·51	·32						1·83	2·53	4·36	10·8	39·56	1·8	413·2
Jahr 1891		·01	·09	·15	·23	·33	·42	·52	·53	·54	·51	5·0	·47	·33	·15	·11	·02			2·30	2·67	4·97	12·2	39·37	1·9	1825·6

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