



Table 6.1. Saturation vapor pressure in Pa over ice when $T_w < 0^\circ\text{C}$ and over water when $T_w > 0^\circ\text{C}$.

°C	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
-49	04.4	04.4	04.3	04.3	04.2	04.2	04.1	04.1	04.0	04.0
-48	05.0	05.0	04.9	04.8	04.8	04.7	04.7	04.6	04.6	04.5
-47	05.7	05.6	05.5	05.5	05.4	05.3	05.3	05.2	05.1	05.1
-46	06.4	06.3	06.2	06.2	06.1	06.0	06.0	05.9	05.8	05.7
-45	07.2	07.1	07.0	06.9	06.9	06.8	06.7	06.6	06.5	06.5
-44	08.1	08.0	07.9	07.8	07.7	07.6	07.5	07.5	07.4	07.3
-43	09.1	09.0	08.9	08.8	08.7	08.6	08.5	08.4	08.3	08.2
-42	10.2	10.1	10.0	09.9	09.8	09.6	09.5	09.4	09.3	09.2
-41	11.5	11.3	11.2	11.1	10.9	10.8	10.7	10.6	10.5	10.3
-40	12.8	12.7	12.5	12.4	12.3	12.1	12.0	11.9	11.7	11.6
-39	14.4	14.2	14.0	13.9	13.7	13.6	13.4	13.3	13.1	13.0
-38	16.1	15.9	15.7	15.5	15.4	15.2	15.0	14.9	14.7	14.5
-37	17.9	17.7	17.6	17.4	17.2	17.0	16.8	16.6	16.4	16.2
-36	20.0	19.8	19.6	19.4	19.2	19.0	18.7	18.5	18.3	18.1
-35	22.3	22.1	21.8	21.6	21.4	21.1	20.9	20.7	20.5	20.2
-34	24.9	24.6	24.3	24.1	23.8	23.6	23.3	23.1	22.8	22.6
-33	27.7	27.4	27.1	26.8	26.5	26.2	26.0	25.7	25.4	25.1
-32	30.8	30.5	30.1	29.8	29.5	29.2	28.9	28.6	28.3	28.0
-31	34.2	33.9	33.5	33.2	32.8	32.5	32.1	31.8	31.4	31.1

Table 6.1. (cont.)

°C	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
-30	38.0	37.6	37.2	36.8	36.4	36.1	35.7	35.3	34.9	34.6
-29	42.1	41.7	41.3	40.8	40.4	40.0	39.6	39.2	38.8	38.4
-28	46.7	46.2	45.7	45.3	44.8	44.4	43.9	43.5	43.0	42.6
-27	51.7	51.2	50.7	50.1	49.6	49.1	48.6	48.1	47.7	47.2
-26	57.2	56.6	56.1	55.5	54.9	54.4	53.8	53.3	52.8	52.2
-25	63.2	62.6	62.0	61.4	60.8	60.1	59.5	59.0	58.4	57.8
-24	69.8	69.2	68.5	67.8	67.1	66.5	65.8	65.2	64.5	63.9
-23	77.1	76.3	75.6	74.9	74.1	73.4	72.7	72.0	71.2	70.5
-22	85.0	84.2	83.4	82.6	81.8	81.0	80.2	79.4	78.6	77.9
-21	93.7	92.8	91.9	91.0	90.1	89.3	88.4	87.5	86.7	85.9
-20	103.2	102.2	101.2	100.2	99.3	98.3	97.4	96.5	95.5	94.6
-19	113.5	112.4	111.4	110.3	109.3	108.2	107.2	106.2	105.2	104.2
-18	124.8	123.6	122.5	121.3	120.2	119.0	117.9	116.8	115.7	114.6
-17	137.1	135.9	134.6	133.3	132.1	130.8	129.6	128.4	127.2	126.0
-16	150.6	149.2	147.8	146.4	145.0	143.7	142.4	141.0	139.7	138.4
-15	165.2	163.6	162.1	160.7	159.2	157.7	156.3	154.8	153.4	152.0
-14	181.1	179.4	177.8	176.2	174.5	173.0	171.4	169.8	168.2	166.7
-13	198.4	196.6	194.8	193.0	191.3	189.5	187.8	186.1	184.4	182.7

-12	217.2	215.2	213.3	211.4	209.4	207.6	205.7	203.8	202.0	200.2
-11	237.6	235.4	233.3	231.3	229.2	227.1	225.1	223.1	221.1	219.1
-10	259.7	257.4	255.1	252.9	250.6	248.4	246.2	244.0	241.8	239.7
-9	283.7	281.2	278.8	276.3	273.9	271.5	269.1	266.7	264.4	262.0
-8	309.7	307.0	304.4	301.7	299.1	296.5	293.9	291.3	288.8	286.2
-7	337.9	335.0	332.1	329.2	326.4	323.6	320.8	318.0	315.2	312.5
-6	368.5	365.3	362.2	359.0	356.0	352.9	349.9	346.8	343.9	340.9
-5	401.5	398.0	394.7	391.3	387.9	384.6	381.3	378.1	374.9	371.6
-4	437.2	433.5	429.8	426.2	422.5	419.0	415.4	411.9	408.4	404.9
-3	475.7	471.7	467.8	463.8	459.9	456.1	452.2	448.4	444.6	440.9
-2	517.3	513.0	508.8	504.5	500.3	496.1	492.0	487.9	483.8	479.7
-1	562.3	557.6	553.0	548.4	543.9	539.4	534.9	530.5	526.1	521.7
0	610.8	615.2	619.7	624.2	628.8	633.3	637.9	642.6	647.2	651.9
1	656.6	661.4	666.1	670.9	675.8	680.7	685.6	690.5	695.5	700.4
2	705.5	710.5	715.6	720.7	725.7	731.1	736.3	741.6	746.9	752.2
3	757.5	762.9	768.3	773.8	779.3	784.8	790.4	796.0	801.6	807.2
4	812.9	818.7	824.5	830.3	836.1	842.0	847.9	853.8	859.8	865.9
5	871.9	878.0	884.2	890.3	896.6	902.8	909.1	915.4	921.8	928.2
6	934.6	941.1	947.7	954.2	960.8	967.5	974.2	980.9	987.7	994.5
7	1 001	1 008	1 015	1 022	1 029	1 036	1 043	1 050	1 058	1 065
8	1 072	1 079	1 087	1 094	1 102	1 109	1 117	1 124	1 132	1 140
9	1 147	1 155	1 163	1 171	1 179	1 187	1 195	1 203	1 211	1 219
10	1 227	1 235	1 244	1 252	1 261	1 269	1 277	1 286	1 295	1 303
11	1 312	1 321	1 329	1 338	1 347	1 356	1 365	1 374	1 383	1 393
12	1 402	1 411	1 420	1 430	1 439	1 449	1 458	1 468	1 477	1 487
13	1 497	1 507	1 517	1 527	1 537	1 547	1 557	1 567	1 577	1 587

Table 6.1. (cont.)

°C	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
14	1 598	1 608	1 619	1 629	1 640	1 650	1 661	1 672	1 683	1 693
15	1 704	1 715	1 726	1 738	1 749	1 760	1 771	1 783	1 794	1 806
16	1 817	1 829	1 841	1 852	1 864	1 876	1 888	1 900	1 912	1 924
17	1 937	1 949	1 961	1 974	1 986	1 999	2 012	2 024	2 037	2 050
18	2 063	2 076	2 089	2 102	2 115	2 129	2 142	2 156	2 169	2 183
19	2 196	2 210	2 224	2 238	2 252	2 266	2 280	2 294	2 308	2 323
20	2 337	2 352	2 366	2 381	2 396	2 411	2 426	2 441	2 456	2 471
21	2 486	2 501	2 517	2 532	2 548	2 563	2 579	2 595	2 611	2 627
22	2 643	2 659	2 675	2 692	2 708	2 725	2 741	2 758	2 775	2 792
23	2 809	2 826	2 843	2 860	2 877	2 895	2 912	2 930	2 947	2 965
24	2 983	3 001	3 019	3 037	3 056	3 074	3 092	3 111	3 130	3 148
25	3 167	3 186	3 205	3 224	3 243	3 263	3 282	3 302	3 321	3 341
26	3 361	3 381	3 401	3 421	3 441	3 462	3 482	3 503	3 523	3 544
27	3 565	3 586	3 607	3 628	3 649	3 671	3 692	3 714	3 736	3 758
28	3 780	3 802	3 824	3 846	3 869	3 891	3 914	3 937	3 959	3 982
29	4 005	4 029	4 052	4 076	4 099	4 123	4 147	4 171	4 195	4 219
30	4 243	4 267	4 292	4 317	4 341	4 366	4 391	4 417	4 442	4 467
31	4 493	4 518	4 544	4 570	4 596	4 622	4 649	4 675	4 702	4 728
32	4 755	4 782	4 809	4 836	4 864	4 891	4 919	4 947	4 974	5 003
33	5 031	5 059	5 087	5 116	5 145	5 174	5 203	5 232	5 261	5 290
34	5 320	5 350	5 380	5 410	5 440	5 470	5 500	5 531	5 562	5 593
35	5 624	5 655	5 686	5 718	5 749	5 781	5 813	5 845	5 877	5 910
36	5 942	5 975	6 008	6 041	6 074	6 107	6 141	6 174	6 208	6 242
37	6 276	6 311	6 345	6 380	6 414	6 449	6 484	6 520	6 555	6 591
38	6 626	6 662	6 698	6 735	6 771	6 808	6 845	6 881	6 919	6 956
39	6 993	7 031	7 069	7 107	7 145	7 183	7 222	7 261	7 299	7 339
40	7 378	7 417	7 457	7 497	7 537	7 577	7 617	7 658	7 698	7 739
41	7 780	7 821	7 863	7 905	7 946	7 988	8 031	8 073	8 116	8 159
42	8 202	8 245	8 288	8 332	8 375	8 419	8 464	8 508	8 553	8 597
43	8 642	8 687	8 733	8 778	8 824	8 870	8 916	8 963	9 010	9 056
44	9 103	9 151	9 198	9 246	9 294	9 342	9 390	9 439	9 487	9 536
45	9 590	9 630	9 680	9 730	9 780	9 830	9 890	9 940	9 990	10 040
46	10 090	10 140	10 190	10 240	10 300	10 350	10 400	10 460	10 510	10 560
47	10 620	10 670	10 720	10 780	10 830	10 890	10 940	11 000	11 050	11 110
48	11 170	11 220	11 280	11 340	11 390	11 450	11 510	11 570	11 620	11 680
49	11 740	11 800	11 860	11 920	11 980	12 040	12 100	12 160	12 220	12 280
50	12 340	12 400	12 460	12 520	12 590	12 650	12 710	12 770	12 840	12 900
51	12 960	13 030	13 090	13 160	13 220	13 290	13 350	13 420	13 480	13 550
52	13 620	13 680	13 750	13 820	13 890	13 950	14 020	14 090	14 160	14 230
53	14 300	14 370	14 440	14 510	14 580	14 650	14 720	14 790	14 860	14 930
54	15 010	15 080	15 150	15 230	15 300	15 370	15 450	15 520	15 600	15 670
55	15 750	15 820	15 900	15 970	16 050	16 130	16 200	16 280	16 360	16 440
56	16 520	16 590	16 670	16 750	16 830	16 910	16 990	17 070	17 150	17 240
57	17 320	17 400	17 480	17 560	17 650	17 730	17 810	17 900	17 980	18 070
58	18 150	18 240	18 320	18 410	18 500	18 580	18 670	18 760	18 850	18 930
59	19 020	19 110	19 200	19 290	19 380	19 470	19 560	19 650	19 740	19 830