

TABLE 2. THERMODYNAMIC PROPERTIES OF WATER AT SATURATION^a (Continued)

FAHR. TEMP. t (°F)	ABSOLUTE PRESSURE $P \times 10^3$		SPECIFIC VOLUME, CU FT PER LB			ENTHALPY, BTU PER LB			ENTROPY, BTU PER (LB) (°F)		
	In. Hg		Sat. Solid v_f	Evap. $v_g \times 10^{-4}$	Sat. Vapor $v_g \times 10^{-4}$	Sat. Solid h_f	Evap. h_{fg}	Sat. Vapor h_g	Sat. Solid s_f	Evap. s_{fg}	Sat. Vapor s_g
	Lb/Sq In.	In. Hg									
-86	3.212	6.639	0.01739	6.745	6.745	-199.78	1218.44	1018.66	-0.4235	3.3502	2.9267
-85	3.212	6.639	0.01739	6.745	6.745	-199.78	1218.44	1018.66	-0.4235	3.3502	2.9267
-84	3.212	6.639	0.01739	6.745	6.745	-199.78	1218.44	1018.66	-0.4235	3.3502	2.9267
-83	3.212	6.639	0.01739	6.745	6.745	-199.78	1218.44	1018.66	-0.4235	3.3502	2.9267
-82	3.212	6.639	0.01739	6.745	6.745	-199.78	1218.44	1018.66	-0.4235	3.3502	2.9267
-81	3.212	6.639	0.01739	6.745	6.745	-199.78	1218.44	1018.66	-0.4235	3.3502	2.9267
-80	3.212	6.639	0.01739	6.745	6.745	-199.78	1218.44	1018.66	-0.4235	3.3502	2.9267
-79	3.212	6.639	0.01739	6.745	6.745	-199.78	1218.44	1018.66	-0.4235	3.3502	2.9267
-78	3.212	6.639	0.01739	6.745	6.745	-199.78	1218.44	1018.66	-0.4235	3.3502	2.9267
-77	3.212	6.639	0.01739	6.745	6.745	-199.78	1218.44	1018.66	-0.4235	3.3502	2.9267
-76	3.212	6.639	0.01739	6.745	6.745	-199.78	1218.44	1018.66	-0.4235	3.3502	2.9267
-75	3.212	6.639	0.01739	6.745	6.745	-199.78	1218.44	1018.66	-0.4235	3.3502	2.9267
-74	3.212	6.639	0.01739	6.745	6.745	-199.78	1218.44	1018.66	-0.4235	3.3502	2.9267
-73	3.212	6.639	0.01739	6.745	6.745	-199.78	1218.44	1018.66	-0.4235	3.3502	2.9267
-72	3.212	6.639	0.01739	6.745	6.745	-199.78	1218.44	1018.66	-0.4235	3.3502	2.9267
-71	3.212	6.639	0.01739	6.745	6.745	-199.78	1218.44	1018.66	-0.4235	3.3502	2.9267
-70	3.212	6.639	0.01739	6.745	6.745	-199.78	1218.44	1018.66	-0.4235	3.3502	2.9267
-69	3.212	6.639	0.01739	6.745	6.745	-199.78	1218.44	1018.66	-0.4235	3.3502	2.9267
-68	3.212	6.639	0.01739	6.745	6.745	-199.78	1218.44	1018.66	-0.4235	3.3502	2.9267
-67	3.212	6.639	0.01739	6.745	6.745	-199.78	1218.44	1018.66	-0.4235	3.3502	2.9267
-66	3.212	6.639	0.01739	6.745	6.745	-199.78	1218.44	1018.66	-0.4235	3.3502	2.9267
-65	3.212	6.639	0.01739	6.745	6.745	-199.78	1218.44	1018.66	-0.4235	3.3502	2.9267

^aCompiled by John A. Goff and S. Gratch.TABLE 2. THERMODYNAMIC PROPERTIES OF WATER AT SATURATION^a (Continued)

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	In. Hg		Sat. Solid v_f	Evap. $v_g \times 10^{-4}$	Sat. Vapor $v_g \times 10^{-4}$	Sat. Solid h_f	Evap. h_{fg}	Sat. Vapor h_g	Sat. Solid s_f	Evap. s_{fg}	Sat. Vapor s_g
	Lb/Sq In.	In. Hg									
-64	0.3763	0.7652	0.01733	6.272	6.272	-187.17	1219.98	1032.81	-0.3903	3.0832	2.6929
-63	0.4033	0.8211	0.01733	6.559	6.559	-186.76	1220.01	1033.25	-0.3882	3.0775	2.6862
-62	0.4328	0.8808	0.01734	6.876	6.876	-186.35	1220.04	1033.69	-0.3862	3.0718	2.6796
-61	0.4639	0.9444	0.01734	7.226	7.226	-185.93	1220.06	1034.13	-0.3842	3.0662	2.6730
-60	0.4972	1.012	0.01734	7.688	7.688	-185.52	1220.10	1034.58	-0.3822	3.0604	2.6664
-59	0.5328	1.085	0.01734	8.261	8.261	-185.11	1220.13	1035.02	-0.3801	3.0546	2.6598
-58	0.5708	1.162	0.01734	8.951	8.951	-184.70	1220.15	1035.46	-0.3781	3.0488	2.6532
-57	0.6112	1.244	0.01734	9.765	9.765	-184.28	1220.18	1035.90	-0.3761	3.0430	2.6466
-56	0.6543	1.332	0.01734	10.713	10.713	-183.86	1220.20	1036.34	-0.3740	3.0372	2.6400
-55	0.7001	1.426	0.01734	11.816	11.816	-183.44	1220.23	1036.78	-0.3720	3.0314	2.6334
-54	0.7489	1.526	0.01735	13.083	13.083	-183.02	1220.25	1037.23	-0.3700	3.0256	2.6268
-53	0.8009	1.631	0.01735	14.526	14.526	-182.60	1220.27	1037.67	-0.3680	3.0198	2.6202
-52	0.8502	1.743	0.01735	16.156	16.156	-182.18	1220.29	1038.11	-0.3660	3.0140	2.6136
-51	0.9011	1.863	0.01735	17.983	17.983	-181.76	1220.31	1038.55	-0.3640	3.0082	2.6070
-50	0.9576	1.990	0.01735	19.916	19.916	-181.34	1220.34	1038.99	-0.3620	3.0024	2.6004
-49	1.0144	2.126	0.01735	21.963	21.963	-180.92	1220.36	1039.44	-0.3600	2.9966	2.5938
-48	1.0715	2.270	0.01736	24.233	24.233	-180.50	1220.37	1039.88	-0.3580	2.9908	2.5872
-47	1.1291	2.420	0.01736	26.746	26.746	-180.08	1220.38	1040.33	-0.3560	2.9850	2.5806
-46	1.1870	2.585	0.01736	29.511	29.511	-179.66	1220.40	1040.77	-0.3540	2.9792	2.5740
-45	1.2454	2.757	0.01736	32.536	32.536	-179.24	1220.42	1041.21	-0.3520	2.9734	2.5674
-44	1.3044	2.940	0.01736	35.831	35.831	-178.82	1220.43	1041.65	-0.3500	2.9676	2.5608
-43	1.3639	3.134	0.01736	39.406	39.406	-178.40	1220.44	1042.09	-0.3480	2.9618	2.5542
-42	1.4238	3.338	0.01736	43.271	43.271	-177.98	1220.45	1042.53	-0.3460	2.9560	2.5476
-41	1.4841	3.550	0.01736	47.426	47.426	-177.56	1220.47	1042.98	-0.3440	2.9502	2.5410
-40	1.5448	3.769	0.01737	51.871	51.871	-177.14	1220.48	1043.42	-0.3420	2.9444	2.5344
-39	1.6059	4.005	0.01737	56.606	56.606	-176.72	1220.49	1043.86	-0.3400	2.9386	2.5278
-38	1.6674	4.256	0.01737	61.641	61.641	-176.30	1220.50	1044.30	-0.3380	2.9328	2.5212
-37	1.7293	4.520	0.01737	66.976	66.976	-175.88	1220.51	1044.74	-0.3360	2.9270	2.5146
-36	1.7916	4.796	0.01737	72.621	72.621	-175.46	1220.52	1045.18	-0.3340	2.9212	2.5080
-35	1.8543	5.082	0.01737	78.576	78.576	-175.04	1220.53	1045.62	-0.3320	2.9154	2.5014
-34	1.9174	5.379	0.01737	84.851	84.851	-174.62	1220.54	1046.06	-0.3300	2.9096	2.4948
-33	1.9809	5.684	0.01738	91.446	91.446	-174.20	1220.55	1046.51	-0.3280	2.9038	2.4882

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