SimpleFFMC: Fine Dead Fuel Moisture Tables

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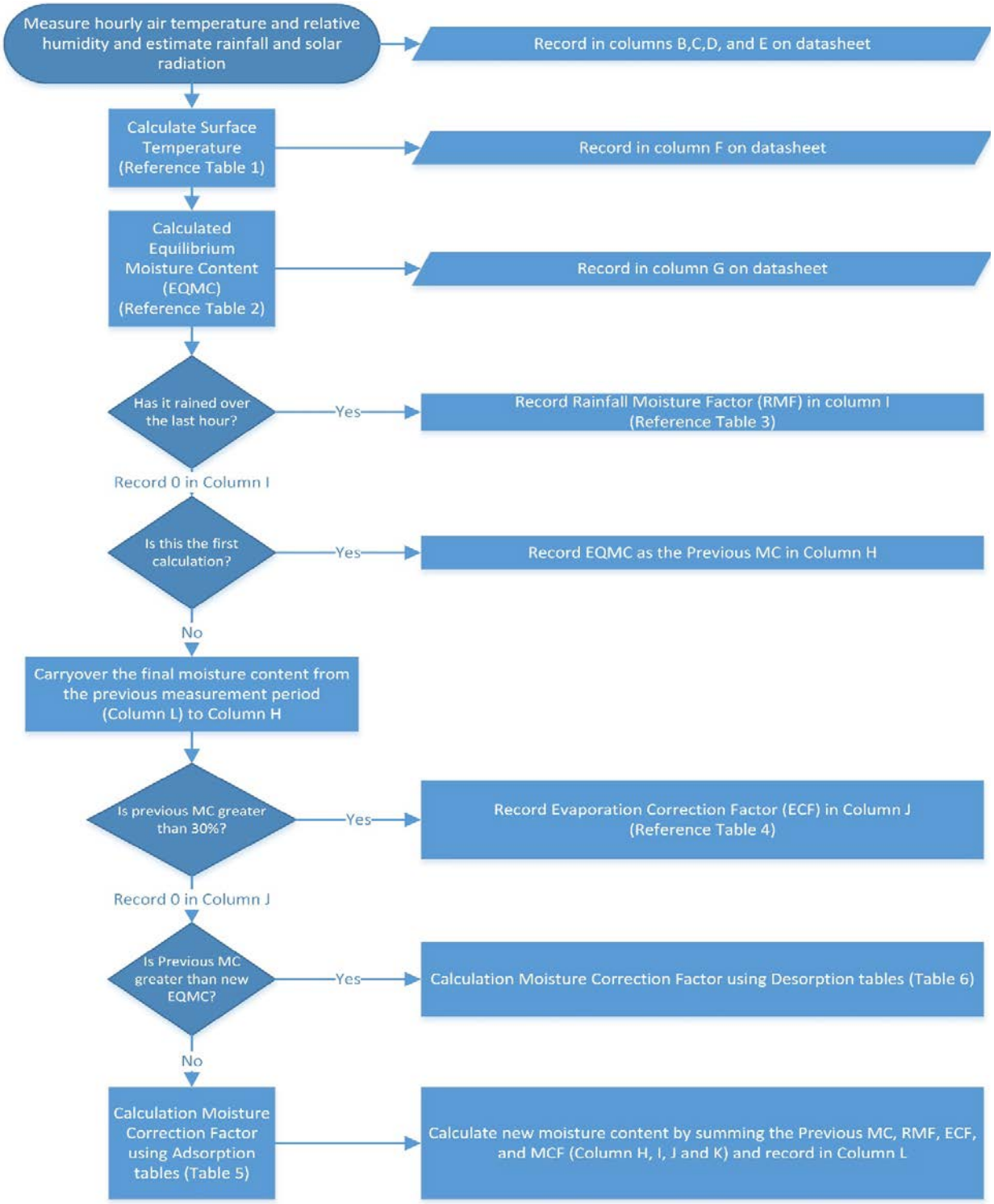
Revision 1


Measure hourly air temperature and relative humidity and estimate rainfall and solar radiation
Record in columns B,C,D, and E on datasheet
Calculate Surface Temperature (Reference Table 1)
Record in column F on datasheet
Calculated Equilibrium Moisture Content (EQMC) (Reference Table 2)
Record in column G on datasheet
Has it rained over the last hour?
Yes
Record Rainfall Moisture Factor (RMF) in column I (Reference Table 3)
Record 0 in Column I
Is this the first calculation?
Yes
Record EQMC as the Previous MC in Column H
No
Carryover the final moisture content from the previous measurement period (Column L) to Column H
Is previous MC greater than 30%?
Yes
Record Evaporation Correction Factor (ECF) in Column J (Reference Table 4)
Record 0 in Column J
Is Previous MC greater than new EQMC?
Yes
Calculation Moisture Correction Factor using Desorption tables (Table 6)
No
Calculation Moisture Correction Factor using Adsorption tables (Table 5)
Calculate new moisture content by summing the Previous MC, RMF, ECF, and MCF (Column H, I, J and K) and record in Column L

Reference Table 1: Surface temperature estimation																
		Solar Radiation (W/m2)														
		0 (Dark)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	>1300
Temperature (F)	<15	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
	15	37	38	40	42	44	46	48	50	52	54	56	58	60	62	64
	20	41	43	45	47	49	51	53	55	57	59	60	62	64	66	68
	25	45	47	49	51	53	55	57	59	61	63	65	67	69	71	73
	30	49	51	53	55	57	59	61	63	65	67	69	71	73	75	77
	35	54	56	58	60	62	64	66	68	69	71	73	75	77	79	81
	40	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86
	45	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90
	50	67	69	71	73	75	76	78	80	82	84	86	88	90	92	94
	55	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99
	60	75	77	79	81	83	85	87	89	91	93	95	97	99	101	103
	65	80	82	84	85	87	89	91	93	95	97	99	101	103	105	107
	70	84	86	88	90	92	94	96	98	100	102	104	106	108	109	111
	75	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116
	80	93	94	96	98	100	102	104	106	108	110	112	114	116	118	120
	85	97	99	101	103	105	107	109	111	113	115	116	118	120	122	124
	90	101	103	105	107	109	111	113	115	117	119	121	123	125	127	129
	95	105	107	109	111	113	115	117	119	121	123	125	127	129	131	133
	100	110	112	114	116	118	120	122	124	125	127	129	131	133	135	137
	105	114	116	118	120	122	124	126	128	130	132	134	136	138	140	142
	110	118	120	122	124	126	128	130	132	134	136	138	140	142	144	146
	115	123	125	127	129	131	133	134	136	138	140	142	144	146	148	150
	120	127	129	131	133	135	137	139	141	143	145	147	149	151	153	155
	>120	131	133	135	137	139	141	143	145	147	149	151	153	155	157	159

Reference Table 2: Equilibrium Moisture Content (%) estimation																					
		Relative Humidity (%)																			
Surface Temperature (F)		2	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	99
	<15	3	5	7	8	10	11	12	13	13	14	15	16	17	18	19	21	22	23	25	28	34
	15	3	5	7	8	9	10	11	12	13	14	15	16	17	18	19	20	22	23	25	28	34
	20	3	5	6	8	9	10	11	12	13	14	15	15	16	17	19	20	21	23	25	28	34
	25	3	4	6	7	8	10	10	11	12	13	14	15	16	17	18	19	21	22	24	27	33
	30	3	4	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	22	24	27	33
	35	3	4	6	7	8	9	10	11	12	13	13	14	15	16	17	19	20	22	24	27	33
	40	2	4	5	6	8	9	9	10	11	12	13	14	15	16	17	18	20	21	23	26	32
	45	2	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	21	23	26	32
	50	2	3	5	6	7	8	9	10	11	11	12	13	14	15	16	17	19	20	22	26	32
	55	2	3	5	6	7	8	8	9	10	11	12	13	14	15	16	17	18	20	22	25	31
	60	2	3	4	5	6	7	8	9	10	11	12	12	13	14	15	17	18	19	22	25	31
	65	2	3	4	5	6	7	8	9	9	10	11	12	13	14	15	16	17	19	21	24	31
	70	2	3	4	5	6	7	8	8	9	10	11	12	13	14	15	16	17	19	21	24	30
	75	1	2	4	5	6	6	7	8	9	10	10	11	12	13	14	15	17	18	20	23	30
	80	1	2	4	4	5	6	7	8	8	9	10	11	12	13	14	15	16	18	20	23	29
	85	1	2	3	4	5	6	7	7	8	9	10	11	11	12	13	14	16	17	19	22	29
	90	1	2	3	4	5	6	6	7	8	9	9	10	11	12	13	14	15	17	19	22	28
	95	1	2	3	4	5	5	6	7	8	8	9	10	11	12	13	14	15	16	18	21	28
	100	1	2	3	4	4	5	6	7	7	8	9	9	10	11	12	13	14	16	18	21	27
	105	1	2	3	3	4	5	6	6	7	8	8	9	10	11	12	13	14	15	17	20	26
	110	1	2	2	3	4	5	5	6	7	7	8	9	9	10	11	12	13	15	17	20	26
	115	1	1	2	3	4	4	5	6	6	7	8	8	9	10	11	12	13	14	16	19	25
	120	1	1	2	3	4	4	5	5	6	7	7	8	9	10	10	11	13	14	16	19	25
	>120	1	1	2	3	3	4	5	5	6	6	7	8	8	9	10	11	12	13	15	18	24

Reference Table 3 : Rainfall Moisture Factor	
Rainfall (inches)	***Rainfall Moisture Factor (RMF) (%)***
0	0
0.01	8
0.02	15
0.03	19
0.04	22
0.05	25
0.06	26
0.07	28
0.08	29
0.09	29
0.1	30
0.11	30
0.12	30
0.13	31
0.14	31
0.15	31
0.16	31
0.17	31
0.18	31
0.19	31
0.2	31
0.21	31
0.22	31
0.23	31
0.24	31
0.25	31
0.26	31
0.27	31
0.28	31
0.29	31
0.3	31
0.31	31
0.32	31
0.33	31
>0.33	31

Reference Table 4: Evaporation	
Surface Temperature (F)	***Evaporation Correction Factor (ECF)***
30	-2
35	-3
40	-3
45	-3
50	-3
55	-3
60	-4
65	-4
70	-4
75	-4
80	-5
85	-5
90	-6
95	-6
100	-6
105	-7
110	-7
115	-8
120	-8
125	-9
130	-9
135	-9
140	-9
145	-9

Reference Table 5A

Relative Humidity (%)

Temperature (F) / 1% Desorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	1	3	4	5	6	7	8	9	9	10	11	11	12	13	14	15	16	17	19	22
30-49	0	2	3	3	4	5	5	6	6	7	7	8	9	9	10	11	11	12	14	16
50-69	0	1	1	2	2	3	3	3	4	4	4	5	5	5	6	6	7	8	9	10
70-89	0	0	1	1	1	1	1	2	2	2	2	2	3	3	3	3	4	4	5	6
90-99	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3
100-104	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2
105-110	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2
110-115	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2
> 115	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1

Relative Humidity (%)

Temperature (F) / 2% Desorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	0	2	4	5	5	6	7	8	8	9	10	11	11	12	13	14	15	16	18	21
30-49	0	1	2	3	3	4	5	5	6	6	7	7	8	8	9	10	11	12	13	15
50-69	0	0	1	1	2	2	2	3	3	3	4	4	5	5	5	6	6	7	8	9
70-89	0	0	0	1	1	1	1	1	2	2	2	2	2	3	3	3	3	4	4	5
90-99	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2
100-104	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2
105-110	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2
110-115	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1
> 115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1

Relative Humidity (%)

Temperature (F) / 3% Desorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-1	2	3	4	5	5	6	7	8	8	9	10	11	11	12	13	14	15	17	20
30-49	-1	1	1	2	3	3	4	4	5	5	6	6	7	8	8	9	10	11	12	14
50-69	-1	0	1	1	1	2	2	2	3	3	3	4	4	4	5	5	6	6	7	9
70-89	-1	0	0	0	0	1	1	1	1	1	2	2	2	2	2	3	3	3	4	5
90-99	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2
100-104	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2
105-110	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1
110-115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
> 115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1

Relative Humidity (%)

Temperature (F) / 4% Desorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-1	1	2	3	4	5	5	6	7	7	8	9	10	10	11	12	13	14	16	19
30-49	-1	0	1	1	2	3	3	4	4	5	5	6	6	7	7	8	9	10	11	13
50-69	-1	0	0	0	1	1	1	2	2	2	3	3	3	4	4	5	5	6	7	8
70-89	-1	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	3	3	4
90-99	-1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2
100-104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
105-110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
110-115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
> 115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1

Reference Table 5B

Relative Humidity (%)

Temperature (F) / 5% Desorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-2	0	1	2	3	4	4	5	6	6	7	8	9	9	10	11	12	13	15	17
30-49	-2	-1	0	1	1	2	2	3	3	4	4	5	5	6	6	7	8	9	10	12
50-69	-1	-1	0	0	0	1	1	1	2	2	2	2	3	3	3	4	4	5	6	7
70-89	-1	-1	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	3	3
90-99	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
100-104	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1
105-110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
110-115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
> 115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

Relative Humidity (%)

Temperature (F) / 6% Desorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-3	-1	0	1	2	3	4	4	5	5	6	7	8	8	9	10	11	12	14	16
30-49	-2	-1	0	0	1	1	2	2	3	3	4	4	4	5	6	6	7	8	9	11
50-69	-2	-1	-1	0	0	0	1	1	1	1	2	2	2	2	3	3	4	4	5	6
70-89	-1	-1	-1	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	2	3
90-99	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1
100-104	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
105-110	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
110-115	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
> 115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Relative Humidity (%)

Temperature (F) / 7% Desorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-3	-1	0	1	1	2	3	3	4	5	5	6	6	7	8	9	10	11	12	15
30-49	-3	-2	-1	0	0	1	1	1	2	2	3	3	4	4	5	5	6	7	8	9
50-69	-2	-1	-1	-1	0	0	0	0	1	1	1	1	2	2	2	2	3	3	4	5
70-89	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2
90-99	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
100-104	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
105-110	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110-115	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
> 115	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Relative Humidity (%)

Temperature (F) / 8% Desorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-4	-2	-1	0	1	1	2	2	3	4	4	5	5	6	7	8	8	9	11	13
30-49	-3	-2	-1	-1	0	0	0	1	1	2	2	2	3	3	4	4	5	5	6	8
50-69	-2	-1	-1	-1	-1	0	0	0	0	0	1	1	1	1	2	2	2	3	3	4
70-89	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2
90-99	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
100-104	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105-110	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110-115	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
> 115	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Reference Table 5C

Relative Humidity (%)

Temperature (F) 9% Desorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-4	-3	-2	-1	0	0	1	2	2	3	3	4	4	5	6	6	7	8	10	12
30-49	-3	-2	-2	-1	-1	0	0	0	1	1	1	2	2	2	3	3	4	4	5	7
50-69	-2	-1	-1	-1	-1	-1	0	0	0	0	0	0	1	1	1	1	2	2	2	3
70-89	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	1	1	1
90-99	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100-104	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105-110	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110-115	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
> 115	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Relative Humidity (%)

Temperature (F) 10% Desorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-4	-3	-2	-1	-1	0	0	1	1	2	2	3	3	4	5	5	6	7	8	10
30-49	-3	-2	-2	-1	-1	-1	0	0	0	0	1	1	1	2	2	3	3	4	4	5
50-69	-2	-2	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	1	1	1	1	2	2
70-89	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	1	1
90-99	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0
100-104	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0
105-110	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0
110-115	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0
> 115	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0

Relative Humidity (%)

Temperature (F) 11% Desorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-5	-3	-2	-2	-1	-1	0	0	1	1	2	2	3	3	4	4	5	6	7	9
30-49	-3	-2	-2	-2	-1	-1	-1	0	0	0	0	1	1	1	2	2	2	3	3	4
50-69	-2	-2	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	1	1	1	1	2
70-89	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	1
90-99	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0
100-104	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0
105-110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0
110-115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0
> 115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0

Relative Humidity (%)

Temperature (F) 12% Desorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-5	-4	-3	-2	-2	-1	-1	0	0	1	1	1	2	2	3	4	4	5	6	8
30-49	-3	-2	-2	-2	-1	-1	-1	-1	-1	0	0	0	0	1	1	1	2	2	3	4
50-69	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	1	1	1
70-89	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0
90-99	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0
100-104	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0
105-110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0
110-115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0
> 115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0

Reference Table 5D

Relative Humidity (%)

Temperature (F) / 13% Desorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-5	-4	-3	-3	-2	-2	-1	-1	0	0	0	1	1	2	2	3	3	4	5	7
30-49	-3	-3	-2	-2	-2	-1	-1	-1	-1	-1	0	0	0	0	1	1	1	2	2	3
50-69	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	1	1
70-89	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0
90-99	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0
100-104	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0
105-110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0
110-115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0
> 115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0

Relative Humidity (%)

Temperature (F) / 14% Desorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-5	-4	-3	-3	-2	-2	-2	-1	-1	0	0	0	1	1	2	2	3	3	4	6
30-49	-3	-3	-2	-2	-2	-2	-1	-1	-1	-1	-1	0	0	0	0	1	1	1	2	2
50-69	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	1
70-89	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0
90-99	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0
100-104	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0
105-110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0
110-115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0
> 115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0

Relative Humidity (%)

Temperature (F) / 15% Desorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-5	-4	-4	-3	-3	-2	-2	-2	-1	-1	0	0	0	1	1	2	2	3	3	5
30-49	-3	-3	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	0	0	0	0	0	1	1	2
50-69	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	1
70-89	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0
90-99	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0
100-104	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0
105-110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0
110-115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
> 115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

Relative Humidity (%)

Temperature (F) / 16% Desorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-5	-4	-4	-3	-3	-3	-2	-2	-2	-1	-1	-1	0	0	1	1	2	2	3	4
30-49	-3	-3	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	0	0	0	0	1	2
50-69	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0
70-89	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0
90-99	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0
100-104	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
105-110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
110-115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
> 115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

Reference Table 5E

Relative Humidity (%)

Temperature (F) 17% Desorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-5	-4	-4	-4	-3	-3	-2	-2	-2	-2	-1	-1	-1	0	0	1	1	2	2	3
30-49	-3	-3	-3	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	0	0	0	1	1
50-69	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0
70-89	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0
90-99	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
100-104	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
105-110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
110-115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
> 115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

Relative Humidity (%)

Temperature (F) 18% Desorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-6	-5	-4	-4	-3	-3	-3	-2	-2	-2	-2	-1	-1	-1	0	0	1	1	2	3
30-49	-3	-3	-3	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	0	0	0	1
50-69	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0
70-89	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0
90-99	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
100-104	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
105-110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
110-115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
> 115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

Relative Humidity (%)

Temperature (F) 19% Desorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-6	-5	-4	-4	-4	-3	-3	-3	-2	-2	-2	-2	-1	-1	-1	0	0	1	1	2
30-49	-3	-3	-3	-3	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	0	0	1
50-69	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0
70-89	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
90-99	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
100-104	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
105-110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
110-115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
> 115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

Relative Humidity (%)

Temperature (F) 20% Desorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-6	-5	-5	-4	-4	-3	-3	-3	-3	-2	-2	-2	-2	-1	-1	-1	0	0	1	2
30-49	-3	-3	-3	-3	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	0	0	0
50-69	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0
70-89	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
90-99	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
100-104	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
105-110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
110-115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
> 115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

Reference Table 5F

Relative Humidity (%)

21% Desorption (Temperature (F))	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-6	-5	-5	-4	-4	-4	-3	-3	-3	-3	-2	-2	-2	-2	-1	-1	0	0	1	2
30-49	-3	-3	-3	-3	-3	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	0	0
50-69	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0
70-89	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
90-99	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
100-104	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
105-110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
110-115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
> 115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

Relative Humidity (%)

22% Desorption (Temperature (F))	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-6	-5	-5	-5	-4	-4	-4	-3	-3	-3	-3	-2	-2	-2	-2	-1	-1	0	0	1
30-49	-4	-3	-3	-3	-3	-3	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	0
50-69	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1
70-89	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
90-99	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
100-104	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
105-110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
110-115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
> 115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

Relative Humidity (%)

23% Desorption (Temperature (F))	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-6	-6	-5	-5	-4	-4	-4	-4	-3	-3	-3	-3	-2	-2	-2	-1	-1	-1	0	1
30-49	-4	-3	-3	-3	-3	-3	-3	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	0
50-69	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1
70-89	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
90-99	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
100-104	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
105-110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
110-115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
> 115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

Relative Humidity (%)

24% Desorption (Temperature (F))	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-6	-6	-5	-5	-5	-4	-4	-4	-4	-3	-3	-3	-3	-2	-2	-2	-1	-1	0	1
30-49	-4	-3	-3	-3	-3	-3	-3	-3	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	0
50-69	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1
70-89	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
90-99	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
100-104	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
105-110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
110-115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
> 115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

Reference Table 5G

Relative Humidity (%)

25% Desorption (Temperature (F))	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-7	-6	-6	-5	-5	-5	-4	-4	-4	-4	-3	-3	-3	-3	-2	-2	-2	-1	-1	0
30-49	-4	-4	-3	-3	-3	-3	-3	-3	-3	-3	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1
50-69	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1
70-89	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
90-99	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
100-104	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
105-110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
110-115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
> 115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

Relative Humidity (%)

26% Desorption (Temperature (F))	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-7	-6	-6	-5	-5	-5	-5	-4	-4	-4	-4	-3	-3	-3	-3	-2	-2	-2	-1	0
30-49	-4	-4	-4	-3	-3	-3	-3	-3	-3	-3	-3	-2	-2	-2	-2	-2	-2	-1	-1	-1
50-69	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1
70-89	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
90-99	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
100-104	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
105-110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
110-115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
> 115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

Relative Humidity (%)

27% Desorption (Temperature (F))	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-7	-6	-6	-6	-5	-5	-5	-5	-4	-4	-4	-4	-3	-3	-3	-3	-2	-2	-1	0
30-49	-4	-4	-4	-3	-3	-3	-3	-3	-3	-3	-3	-3	-2	-2	-2	-2	-2	-2	-1	-1
50-69	-3	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1
70-89	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1
90-99	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
100-104	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
105-110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
110-115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
> 115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

Relative Humidity (%)

28% Desorption (Temperature (F))	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-7	-7	-6	-6	-6	-5	-5	-5	-5	-4	-4	-4	-4	-3	-3	-3	-3	-2	-2	-1
30-49	-4	-4	-4	-4	-3	-3	-3	-3	-3	-3	-3	-3	-3	-2	-2	-2	-2	-2	-2	-1
50-69	-3	-3	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1
70-89	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1
90-99	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
100-104	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
105-110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
110-115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
> 115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

Reference Table 5H

Relative Humidity (%)

Temperature (F) 29% Desorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-8	-7	-6	-6	-6	-6	-5	-5	-5	-5	-4	-4	-4	-4	-3	-3	-3	-2	-2	-1
30-49	-4	-4	-4	-4	-4	-4	-3	-3	-3	-3	-3	-3	-3	-3	-2	-2	-2	-2	-2	-1
50-69	-3	-3	-3	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1
70-89	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1
90-99	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
100-104	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
105-110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
110-115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
> 115	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Relative Humidity (%)

Temperature (F) 30% Desorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-8	-7	-6	-6	-6	-6	-5	-5	-5	-5	-4	-4	-4	-4	-3	-3	-3	-2	-2	-1
30-49	-4	-4	-4	-4	-4	-4	-3	-3	-3	-3	-3	-3	-3	-3	-2	-2	-2	-2	-2	-1
50-69	-3	-3	-3	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1
70-89	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1
90-99	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
100-104	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
105-110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
110-115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
> 115	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Reference Table 6A

Relative Humidity (%)

Temperature (F) / 1% Adsorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	1	4	5	6	7	8	9	10	10	11	12	13	14	15	16	17	18	19	21	24
30-49	1	2	3	4	5	6	7	7	8	9	9	10	11	12	12	13	14	16	17	20
50-69	0	1	2	3	3	4	4	5	5	6	6	7	7	8	9	9	10	11	12	15
70-89	0	1	1	1	2	2	2	3	3	3	4	4	4	5	5	6	6	7	8	9
90-99	0	0	0	1	1	1	1	1	2	2	2	2	2	2	3	3	3	4	4	5
100-104	0	0	0	1	1	1	1	1	1	1	2	2	2	2	2	2	3	3	4	4
105-110	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	2	2	3	3	4
110-115	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	3
> 115	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2

Relative Humidity (%)

Temperature (F) / 2% Adsorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	0	3	4	5	6	7	8	9	10	10	11	12	13	14	15	16	17	19	20	23
30-49	0	2	3	4	4	5	6	6	7	8	8	9	10	11	12	12	13	15	16	19
50-69	0	1	1	2	3	3	4	4	5	5	6	6	7	7	8	9	9	10	12	14
70-89	0	0	1	1	1	2	2	2	3	3	3	4	4	4	5	5	6	6	7	9
90-99	0	0	0	0	1	1	1	1	1	1	2	2	2	2	2	3	3	3	4	5
100-104	0	0	0	0	0	1	1	1	1	1	1	1	2	2	2	2	2	3	3	4
105-110	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	2	3	3
110-115	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	3
> 115	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2

Relative Humidity (%)

Temperature (F) / 3% Adsorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-1	2	3	4	5	6	7	8	9	9	10	11	12	13	14	15	16	18	19	22
30-49	-1	1	2	3	4	4	5	6	6	7	8	8	9	10	11	12	13	14	15	18
50-69	-1	0	1	1	2	2	3	3	4	4	5	5	6	6	7	8	9	10	11	13
70-89	-1	0	0	1	1	1	1	2	2	2	3	3	3	4	4	4	5	6	6	8
90-99	-1	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	3	3	3	4
100-104	-1	0	0	0	0	0	0	1	1	1	1	1	1	1	2	2	2	2	3	3
105-110	-1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	3
110-115	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	2	2
> 115	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	2

Relative Humidity (%)

Temperature (F) / 4% Adsorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-2	1	2	3	4	5	6	7	8	8	9	10	11	12	13	14	15	17	18	21
30-49	-2	0	1	2	3	3	4	5	5	6	7	7	8	9	10	11	12	13	14	17
50-69	-2	0	0	1	1	2	2	3	3	4	4	5	5	6	6	7	8	9	10	12
70-89	-1	-1	0	0	0	1	1	1	2	2	2	2	3	3	3	4	4	5	6	7
90-99	-1	-1	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	3	4
100-104	-1	-1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	2	2	3
105-110	-1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2
110-115	-1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	2
> 115	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2

Reference Table 6B

Relative Humidity (%)

Temperature (F) / 5% Adsorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-2	0	1	2	3	4	5	6	7	8	8	9	10	11	12	13	14	15	17	20
30-49	-2	-1	0	1	2	3	3	4	5	5	6	6	7	8	9	9	10	12	13	16
50-69	-2	-1	0	0	1	1	2	2	2	3	3	4	4	5	5	6	7	8	9	11
70-89	-1	-1	-1	0	0	0	1	1	1	1	2	2	2	2	3	3	4	4	5	6
90-99	-1	-1	-1	0	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	3
100-104	-1	-1	-1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2
105-110	-1	-1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2
110-115	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2
> 115	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1

Relative Humidity (%)

Temperature (F) / 6% Adsorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-3	-1	0	2	3	3	4	5	6	7	7	8	9	10	11	12	13	14	16	19
30-49	-3	-1	0	0	1	2	2	3	4	4	5	5	6	7	8	8	9	10	12	14
50-69	-2	-1	-1	0	0	1	1	1	2	2	3	3	3	4	4	5	6	6	8	9
70-89	-2	-1	-1	-1	0	0	0	0	1	1	1	1	2	2	2	2	3	3	4	5
90-99	-1	-1	-1	-1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	2
100-104	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2
105-110	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2
110-115	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1
> 115	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1

Relative Humidity (%)

Temperature (F) / 7% Adsorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-4	-2	0	1	2	2	3	4	5	6	6	7	8	9	10	11	12	13	15	18
30-49	-3	-2	-1	0	0	1	2	2	3	3	4	4	5	6	6	7	8	9	11	13
50-69	-3	-2	-1	-1	0	0	0	1	1	2	2	2	3	3	4	4	5	5	6	8
70-89	-2	-1	-1	-1	-1	0	0	0	0	0	1	1	1	1	2	2	2	3	3	4
90-99	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2
100-104	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1
105-110	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
110-115	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
> 115	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

Relative Humidity (%)

Temperature (F) / 8% Adsorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-5	-2	-1	0	1	2	2	3	4	5	5	6	7	8	8	9	10	12	13	16
30-49	-4	-2	-2	-1	0	0	1	1	2	2	3	4	4	5	5	6	7	8	9	11
50-69	-3	-2	-2	-1	-1	0	0	0	1	1	1	2	2	2	3	3	4	4	5	7
70-89	-2	-1	-1	-1	-1	-1	0	0	0	0	0	0	1	1	1	1	2	2	2	3
90-99	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	1	1	1	1
100-104	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	1	1
105-110	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	1
110-115	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	1
> 115	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Reference Table 6C

Relative Humidity (%)

9% Adsorption (Temperature (F))	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-5	-3	-2	-1	0	1	1	2	3	4	4	5	6	6	7	8	9	11	12	15
30-49	-4	-3	-2	-1	-1	0	0	1	1	2	2	3	3	4	4	5	6	7	8	10
50-69	-3	-2	-2	-1	-1	-1	0	0	0	0	1	1	1	2	2	2	3	4	4	6
70-89	-2	-2	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	1	1	1	1	2	3
90-99	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	1	1
100-104	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	1
105-110	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	1
110-115	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0
> 115	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0

Relative Humidity (%)

10% Adsorption (Temperature (F))	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-6	-4	-3	-2	-1	0	1	1	2	3	3	4	5	5	6	7	8	9	11	13
30-49	-4	-3	-2	-2	-1	-1	0	0	1	1	1	2	2	3	3	4	5	6	7	9
50-69	-3	-2	-2	-2	-1	-1	-1	-1	0	0	0	1	1	1	1	2	2	3	3	5
70-89	-2	-2	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	1	1	1	1	2
90-99	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	1
100-104	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0
105-110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0
110-115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0
> 115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0

Relative Humidity (%)

11% Adsorption (Temperature (F))	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-6	-4	-3	-2	-1	-1	0	1	1	2	2	3	4	4	5	6	7	8	10	12
30-49	-5	-3	-3	-2	-2	-1	-1	0	0	0	1	1	2	2	3	3	4	5	6	7
50-69	-3	-2	-2	-2	-2	-1	-1	-1	-1	0	0	0	0	1	1	1	2	2	3	4
70-89	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	1	1	2
90-99	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0
100-104	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0
105-110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0
110-115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0	0
> 115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0

Relative Humidity (%)

12% Adsorption (Temperature (F))	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-7	-5	-4	-3	-2	-1	-1	0	0	1	2	2	3	4	4	5	6	7	8	11
30-49	-5	-4	-3	-3	-2	-2	-1	-1	-1	0	0	1	1	1	2	2	3	4	5	6
50-69	-3	-2	-2	-2	-2	-1	-1	-1	-1	-1	0	0	0	0	1	1	1	2	2	3
70-89	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	1	1
90-99	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	0
100-104	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0
105-110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0
110-115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0
> 115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0

Reference Table 6D

Relative Humidity (%)

Temperature (F) / 13% Adsorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-7	-5	-4	-3	-3	-2	-1	-1	0	0	1	1	2	3	3	4	5	6	7	9
30-49	-5	-4	-3	-3	-2	-2	-2	-1	-1	-1	0	0	1	1	1	2	2	3	4	5
50-69	-3	-3	-2	-2	-2	-2	-1	-1	-1	-1	-1	0	0	0	0	0	1	1	2	2
70-89	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0	0	1
90-99	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0
100-104	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0
105-110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0
110-115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0
> 115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0

Relative Humidity (%)

Temperature (F) / 14% Adsorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-7	-6	-5	-4	-3	-3	-2	-1	-1	0	0	1	1	2	3	3	4	5	6	8
30-49	-5	-4	-3	-3	-3	-2	-2	-2	-1	-1	-1	0	0	0	1	1	2	2	3	5
50-69	-3	-3	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	0	0	0	0	1	1	2
70-89	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	1
90-99	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0
100-104	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0
105-110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0
110-115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0
> 115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0

Relative Humidity (%)

Temperature (F) / 15% Adsorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-7	-6	-5	-4	-4	-3	-2	-2	-1	-1	0	0	1	1	2	3	3	4	5	7
30-49	-5	-4	-4	-3	-3	-3	-2	-2	-2	-1	-1	-1	0	0	0	1	1	2	3	4
50-69	-3	-3	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	0	0	0	0	1	1
70-89	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0
90-99	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0
100-104	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0
105-110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0
110-115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0
> 115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0

Relative Humidity (%)

Temperature (F) / 16% Adsorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-8	-6	-5	-5	-4	-3	-3	-2	-2	-1	-1	0	0	1	1	2	3	3	5	6
30-49	-5	-4	-4	-3	-3	-3	-2	-2	-2	-2	-1	-1	-1	0	0	0	1	1	2	3
50-69	-3	-3	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	0	0	0	1	1
70-89	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0
90-99	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0
100-104	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0
105-110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0
110-115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
> 115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

Reference Table 6E

Relative Humidity (%)

17% Adsorption (Temperature (F))	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-8	-6	-6	-5	-4	-4	-3	-3	-2	-2	-1	-1	-1	0	1	1	2	3	4	6
30-49	-5	-4	-4	-4	-3	-3	-3	-2	-2	-2	-2	-1	-1	-1	0	0	0	1	2	3
50-69	-3	-3	-3	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	0	0	0	1
70-89	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0
90-99	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0
100-104	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
105-110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
110-115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
> 115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

Relative Humidity (%)

18% Adsorption (Temperature (F))	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-8	-7	-6	-5	-5	-4	-4	-3	-3	-2	-2	-2	-1	-1	0	1	1	2	3	5
30-49	-5	-5	-4	-4	-3	-3	-3	-3	-2	-2	-2	-2	-1	-1	-1	0	0	1	1	2
50-69	-3	-3	-3	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	0	0	1
70-89	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0
90-99	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
100-104	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
105-110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
110-115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
> 115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

Relative Humidity (%)

19% Adsorption (Temperature (F))	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-8	-7	-6	-6	-5	-5	-4	-4	-3	-3	-2	-2	-2	-1	0	0	1	2	3	4
30-49	-5	-5	-4	-4	-4	-3	-3	-3	-3	-2	-2	-2	-2	-1	-1	-1	0	0	1	2
50-69	-3	-3	-3	-3	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	0	0
70-89	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0
90-99	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
100-104	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
105-110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
110-115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
> 115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

Relative Humidity (%)

20% Adsorption (Temperature (F))	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-9	-7	-7	-6	-6	-5	-5	-4	-4	-3	-3	-2	-2	-1	-1	0	0	1	2	4
30-49	-5	-5	-4	-4	-4	-4	-3	-3	-3	-3	-2	-2	-2	-2	-1	-1	-1	0	0	1
50-69	-3	-3	-3	-3	-3	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	0	0
70-89	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0
90-99	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
100-104	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
105-110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
110-115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
> 115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

Reference Table 6F

Relative Humidity (%)

21% Adsorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
Temperature (F)																				
<30	-9	-8	-7	-6	-6	-5	-5	-5	-4	-4	-3	-3	-2	-2	-1	-1	0	0	1	3
30-49	-6	-5	-5	-4	-4	-4	-4	-3	-3	-3	-3	-2	-2	-2	-2	-1	-1	0	0	1
50-69	-3	-3	-3	-3	-3	-3	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	0
70-89	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1
90-99	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
100-104	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
105-110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
110-115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
> 115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

Relative Humidity (%)

22% Adsorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
Temperature (F)																				
<30	-9	-8	-7	-7	-6	-6	-5	-5	-5	-4	-4	-3	-3	-2	-2	-1	-1	0	1	2
30-49	-6	-5	-5	-4	-4	-4	-4	-4	-3	-3	-3	-3	-2	-2	-2	-2	-1	-1	0	1
50-69	-3	-3	-3	-3	-3	-3	-3	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	0
70-89	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1
90-99	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
100-104	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
105-110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
110-115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
> 115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

Relative Humidity (%)

23% Adsorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
Temperature (F)																				
<30	-10	-8	-8	-7	-7	-6	-6	-5	-5	-5	-4	-4	-3	-3	-2	-2	-1	0	0	2
30-49	-6	-5	-5	-5	-4	-4	-4	-4	-4	-3	-3	-3	-3	-2	-2	-2	-1	-1	-1	0
50-69	-4	-3	-3	-3	-3	-3	-3	-3	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	0
70-89	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1
90-99	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
100-104	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
105-110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
110-115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
> 115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

Relative Humidity (%)

24% Adsorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
Temperature (F)																				
<30	-10	-9	-8	-7	-7	-7	-6	-6	-5	-5	-5	-4	-4	-3	-3	-2	-2	-1	0	1
30-49	-6	-6	-5	-5	-5	-4	-4	-4	-4	-4	-3	-3	-3	-3	-2	-2	-2	-1	-1	0
50-69	-4	-3	-3	-3	-3	-3	-3	-3	-3	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1
70-89	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1
90-99	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
100-104	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
105-110	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
110-115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
> 115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

Reference Table 6G

Relative Humidity (%)

Temperature (F) / 25% Adsorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-10	-9	-8	-8	-7	-7	-7	-6	-6	-5	-5	-5	-4	-4	-3	-3	-2	-1	0	1
30-49	-6	-6	-5	-5	-5	-5	-4	-4	-4	-4	-4	-3	-3	-3	-3	-2	-2	-2	-1	0
50-69	-4	-4	-3	-3	-3	-3	-3	-3	-3	-3	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1
70-89	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1
90-99	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
100-104	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
105-110	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
110-115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
> 115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

Relative Humidity (%)

Temperature (F) / 26% Adsorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-11	-9	-9	-8	-8	-7	-7	-6	-6	-6	-5	-5	-5	-4	-4	-3	-3	-2	-1	1
30-49	-6	-6	-6	-5	-5	-5	-5	-4	-4	-4	-4	-4	-3	-3	-3	-3	-2	-2	-1	0
50-69	-4	-4	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-2	-2	-2	-2	-2	-2	-1	-1
70-89	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1
90-99	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1
100-104	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
105-110	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
110-115	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
> 115	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

Relative Humidity (%)

Temperature (F) / 27% Adsorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-11	-10	-9	-9	-8	-8	-7	-7	-7	-6	-6	-5	-5	-5	-4	-4	-3	-2	-1	0
30-49	-7	-6	-6	-6	-5	-5	-5	-5	-4	-4	-4	-4	-4	-3	-3	-3	-2	-2	-2	-1
50-69	-4	-4	-4	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-2	-2	-2	-2	-2	-2	-1
70-89	-3	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1
90-99	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1
100-104	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1
105-110	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1
110-115	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
> 115	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

Relative Humidity (%)

Temperature (F) / 28% Adsorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-11	-10	-10	-9	-9	-8	-8	-7	-7	-7	-6	-6	-5	-5	-4	-4	-3	-3	-2	0
30-49	-7	-6	-6	-6	-5	-5	-5	-5	-5	-4	-4	-4	-4	-4	-3	-3	-3	-2	-2	-1
50-69	-4	-4	-4	-4	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-2	-2	-2	-2	-2	-1
70-89	-3	-3	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1
90-99	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1
100-104	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1
105-110	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1
110-115	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1
> 115	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1

Reference Table 6H

Relative Humidity (%)

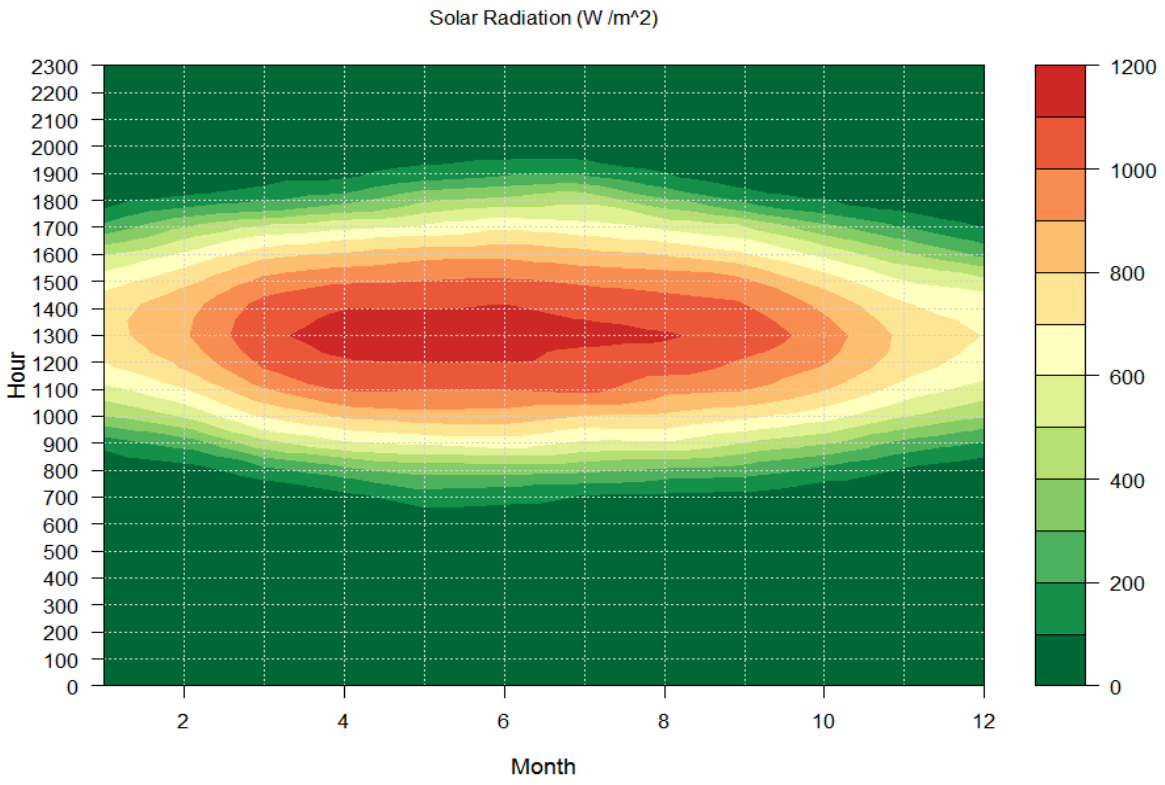
29% Adsorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-12	-11	-10	-9	-9	-8	-8	-8	-7	-7	-7	-6	-6	-5	-5	-4	-4	-3	-2	-1
30-49	-7	-7	-6	-6	-6	-6	-5	-5	-5	-5	-4	-4	-4	-4	-4	-3	-3	-3	-2	-1
50-69	-4	-4	-4	-4	-4	-4	-3	-3	-3	-3	-3	-3	-3	-3	-3	-2	-2	-2	-2	-1
70-89	-3	-3	-3	-3	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1
90-99	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1
100-104	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1
105-110	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1
110-115	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1
> 115	-2	-2	-2	-2	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Relative Humidity (%)

30% Adsorption	<5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 24	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95+
<30	-12	-11	-10	-9	-9	-8	-8	-8	-7	-7	-7	-6	-6	-5	-5	-4	-4	-3	-2	-1
30-49	-7	-7	-6	-6	-6	-6	-5	-5	-5	-5	-4	-4	-4	-4	-4	-3	-3	-3	-2	-1
50-69	-4	-4	-4	-4	-4	-4	-3	-3	-3	-3	-3	-3	-3	-3	-3	-2	-2	-2	-2	-1
70-89	-3	-3	-3	-3	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1
90-99	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1
100-104	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1
105-110	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1
110-115	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1
> 115	-2	-2	-2	-2	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Temperature (F)

SimpleFFMC Fine Fuel Moisture calculation worksheet											
A	B	C	D	E	F	G	H	I	J	K	L
	Weather Observations					Equilibrium Moisture Content (EQMC)	Previous MC (t-1)	Rainfall Factor (RMF)	Evaporation Correction Factor (ECF)	Moisture Correction Factor (MCF)	FMC
	Temp	RH	Rainfall	Solar Radiation	Surface Temp						
Units	*(F)*	*(%)*	*(in)*	*(W/m2)*	*(F)*	*(%)*	*(%)*	*(%)*	*(%)*	*(%)*	*(%)*
Table Reference				**Estimated from local table**	**Ref Table 1**	**Ref Table 2**		**Ref Table 3**	**Ref Table 4**	**Ref Tables 5 and 6**	**Max of 60%**
Notes				If no local table, use 800 for clear days, 400 for overcast days and 0 at night			Moisture content from previous hour or EQMC if first observation	0 if no rainfall over last observation period	0 if FMC (t-1) < 30%	If FMC (t-1) > EQMC use Table 5, otherwise use Table 6	FMC (t -1) + RMF + ECF + MCF
Calculation Ref								**If D = 0, record 0**	**If H < 30, record 0**	**If H > G, use Table 5 else use Table 6**	**H+I+J+K**
Date/Time											


Solar Radiation (W /m^2)
Hour
Month
2300
2200
2100
2000
1900
1800
1700
1600
1500
1400
1300
1200
1100
1000
900
800
700
600
500
400
300
200
100
0
2
4
6
8
10
12
1200
1000
800
600
400
200
0

SimpleFFMC Fine Fuel Moisture calculation worksheet											
A	B	C	D	E	F	G	H	I	J	K	L
	Weather Observations					Equilibrium Moisture Content (EQMC)	Previous MC (t-1)	Rainfall Factor (RMF)	Evaporation Correction Factor (ECF)	Moisture Correction Factor (MCF)	FMC
	Temp	RH	Rainfall	Solar Radiation	Surface Temp						
Units	*(F)*	*(%)*	*(in)*	*(W/m2)*	*(F)*	*(%)*	*(%)*	*(%)*	*(%)*	*(%)*	*(%)*
Table Reference				**Estimated from local table**	**Ref Table 1**	**Ref Table 2**		**Ref Table 3**	**Ref Table 4**	**Ref Tables 5 and 6**	
Notes				If no local table, use 800 for clear days, 400 for overcast days and 0 at night			Moisture content from previous hour or EQMC if first observation	0 if no rainfall over last observation period	0 if FMC (t-1) < 30%	If FMC (t-1) > EQMC use Table 5, otherwise use Table 6	FMC (t -1) + RMF + ECF + MCF
Calculation Ref								If D = 0, record 0	If H < 30, record 0	If H > G, use Table 5 else use Table 6	H+I+J+K
St. Marks (West) Florida											
Date/Time											
25-Jul-16											
7:00 AM	77	94	0	23.26	90	19	19	0	0	-1	18
8:00 AM	84	76	0	161.657	96	14	18	0	0	-1	17
9:00 AM	82	86	0	123.278	94	16	17	0	0	-1	16
10:00 AM	83	72	0	324.477	103	12	16	0	0	-1	15
11:00 AM	80	79	0	196.547	96	15	15	0	0	-1	14
12:00 PM	80	87	0.09	293.076	98	14	14	21	0	0	35
1:00 PM	77	84	0.02	238.415	92	17	35	7	0	0	42
2:00 PM	87	74	0.01	702.452	111	12	42	4	0	0	46
3:00 PM	88	69	0	846.664	117	11	46	0	-8	0	38
4:00 PM	88	62	0	748.972	115	9	38	0	-8	0	30
5:00 PM	88	67	0	0	111	10	30	0	-7	0	23