

## Air Freezing Index- USA Method (Base 32<sup>0</sup> Fahrenheit)

### Air Freezing Index Return Periods (°F-Days) & Associated Probabilities (%)

State and Station Name	Station Number	Lat. (Deg. - Min.)	Long. (Deg. - Min.)	Elev. (feet)	Mean Annual Temp. (° F)	Air Freezing Index Return Periods (°F-Days) & Associated Probabilities (%)														
						1.1 Year (10%)	1.2 Year (20%)	2 Year (50%)	2.5 Year (60%)	3.3 Year (70%)	5 Year (80%)	10 Year (90%)	20 Year (95%)	25 Year (96%)	50 Year (98%)	100 Year (99%)				
<b>Alabama</b>																				
ANDALUSIA 1 NW	10252	N3119	W08630	260	64.6	1	2	8	10	13	17	24	31	33	39	46				
ANNISTON FAA AP	10272	N3335	W08551	599	62.0	2	4	14	18	24	31	44	56	60	71	83				
BAY MINETTE	10583	N3053	W08747	268	67.0	*	0	1	3	4	7	12	18	20	26	33				
BELLE MINA 2 N	10655	N3442	W08653	600	60.5	6	12	34	44	56	72	99	124	133	157	181				
BIRMINGHAM WSO	10831	N3334	W08645	620	62.2	3	6	18	23	30	38	52	66	70	83	96				
BREWTON 3 SSE	11084	N3104	W08703	85	65.6	*	0	2	3	5	8	13	19	21	28	35				
CHATOM 3 N	11566	N3130	W08815	285	65.5	*	0	3	5	7	10	17	23	26	33	40				
CLANTON	11694	N3251	W08638	580	61.9	3	6	17	22	27	34	46	56	60	70	80				
DAYTON	12188	N3221	W08739	225	64.2	3	5	13	16	20	25	32	39	41	48	54				
DEMOPOLIS LOCK AND DAM	12245	N3231	W08750	100	63.3	2	4	13	16	21	27	37	46	49	58	66				
EUFAULA	12730	N3159	W08506	220	64.6	1	3	8	10	13	17	22	27	29	34	38				
EVERGREEN	12758	N3126	W08656	216	64.8	0	2	7	10	13	17	25	33	36	44	51				
FAIRHOPE 2 NE	12813	N3033	W08753	23	67.4	*	*	1	2	3	5	8	12	14	18	23				
FAYETTE	12883	N3341	W08749	365	61.5	5	9	21	26	32	39	51	61	64	74	83				
FRISCO CITY	13105	N3126	W08724	410	65.3	0	1	7	9	12	17	25	33	36	44	53				
GADSDEN STEAM PLANT	13154	N3402	W08600	565	60.8	5	9	23	29	36	45	59	73	77	89	101				
HALEYVILLE	13620	N3414	W08737	950	59.6	13	21	47	57	68	83	105	126	132	150	168				
HEADLAND	13761	N3121	W08520	370	65.5	0	1	6	9	12	16	23	31	33	40	47				
HIGHLAND HOME	13816	N3157	W08619	594	64.3	2	4	12	15	20	25	34	43	46	54	62				
LAFAYETTE	14502	N3254	W08524	830	62.7	1	4	12	15	20	26	35	45	48	57	66				
MARION JUNCTION 2 NE	15121	N3228	W08713	200	63.7	2	4	12	15	19	25	34	42	45	53	61				
MOBILE WSO	15478	N3041	W08815	211	67.5	*	0	2	3	4	7	12	18	20	26	33				
MUSCLE SHOALS FAA AP	15749	N3445	W08737	536	60.7	8	16	39	49	61	76	101	125	132	154	175				
ONEONTA	16121	N3357	W08629	870	59.8	9	16	37	45	55	68	89	107	113	130	146				
OZARK 6 NNW	16218	N3131	W08541	470	65.9	0	1	4	6	9	12	19	25	28	34	41				
ROBERTSDALE 1 E	16988	N3032	W08740	155	66.7	*	0	1	3	4	7	12	17	19	25	32				
ROCK MILLS	17025	N3309	W08518	745	61.3	3	6	16	21	25	32	42	52	54	63	72				
SAINT BERNARD	17157	N3412	W08647	802	59.3	13	22	46	56	67	81	102	121	127	144	160				
SAND MT SUBSTA AU	17207	N3417	W08558	1195	59.5	7	14	39	49	63	81	110	138	146	173	199				
SCOTTSBORO	17304	N3441	W08603	615	59.4	8	15	40	51	64	82	110	137	145	170	195				
SELMA	17366	N3225	W08700	147	66.0	0	1	6	8	11	15	22	29	31	38	45				
TALLADEGA	18024	N3327	W08606	565	61.7	2	5	16	21	26	34	47	59	63	74	85				
THOMASVILLE	18178	N3155	W08744	405	64.2	1	3	10	14	18	24	33	43	46	55	64				
TROY	18323	N3149	W08559	580	65.4	0	1	5	8	10	14	21	28	30	37	44				

**Footnotes:**

\* Probability of occurrence less than indicated probability (Value=0)

\*\* No Freezing Index Values Recorded during 1951-80 period (Value=0)