

Freeze / Frost Occurrence Data

All probabilities in whole percent. See notes for probability level description.

- Indicates the probability of occurrence of threshold temperature is less than indicated probability.

State And Station Name	Threshold (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			Probability Level (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
Alaska											
ANCHORAGE INTL AP	36 32 28	May14 Apr28 Apr14	May24 May08 Apr24	Jun03 May19 May05	Aug28 Sep10 Sep19	Sep12 Sep23 Oct01	Sep27 Oct07 Oct13	130 154 178	110 137 159	90 120 141	60 53 44
ANDERSON LAKE	36 32 28	May23 May11 Apr20	Jun12 May30 May07	Jul02 Jun17 May25	Aug11 Aug25 Sep07	Aug27 Sep13 Sep25	Sep13 Oct02 Oct13	104 134 171	75 106 140	46 78 109	65 55 45
ANNETTE AP	36 32 28	Apr20 Mar30 Feb21	May06 Apr16 Mar15	May23 May02 Apr06	Sep26 Oct12 Oct22	Oct11 Oct27 Nov11	Oct25 Nov11 Dec02	182 217 271	157 194 241	132 171 211	33 20 10
AUKE BAY	36 32 28	May04 Apr17 Mar28	May19 May03 Apr12	Jun04 May19 Apr26	Sep19 Sep23 Oct08	Oct03 Oct12 Nov01	Oct16 Oct31 Nov25	156 190 234	136 161 203	115 133 171	49 35 21
BARROW AP	36 32 28	Jul29 Jul24 Jun06	Jul31 Jul28 Jun29	Aug01 Aug01 Jul21	Jul29 Jul26 Aug01	Aug03 Aug08 Aug23	Aug08 Aug21 Sep14	9 25 90	2 10 55	0 0 19	95 86 73
BEAVER FALLS	36 32 28	Apr26 Apr06 Mar05	May14 Apr21 Mar24	Jun02 May07 Apr12	Sep27 Oct12 Oct20	Oct12 Oct29 Nov15	Oct26 Nov15 Dec10	173 217 268	150 190 235	126 163 202	43 26 11
BENS FARM	36 32 28	May20 Aug08 Apr24	Jun05 May27 May07	Jun21 Jun04 May20	Aug17 Aug26 Sep06	Aug31 Sep12 Sep22	Sep14 Sep28 Oct08	111 137 162	86 112 137	60 88 113	62 54 46
BETHEL AP	36 32 28	May22 May16 May04	Jun09 May28 May15	Jun27 Jun10 May26	Aug19 Aug31 Sep11	Sep03 Sep14 Sep25	Sep19 Sep28 Oct09	111 127 150	86 108 132	61 89 115	68 61 52
BETTLES AP	36 32 28	May18 May05 May01	Jun14 May29 May13	Jul11 Jun22 May24	Aug06 Aug13 Aug27	Aug18 Aug27 Sep10	Aug31 Sep09 Sep25	98 118 137	65 89 120	31 60 103	70 65 60
BIG DELTA ALLEN AAF	36 32 28	May17 May06 Apr29	Jun01 May22 May09	Jun17 Jun07 May19	Aug15 Aug20 Aug28	Aug23 Aug31 Sep15	Aug31 Sep10 Oct02	102 118 149	82 100 128	63 81 106	66 61 55
COLD BAY AP	36 32 28	May24 May09 Apr22	Jun14 May25 May07	Jul06 Jun11 May21	Aug27 Sep17 Oct08	Sep16 Oct03 Oct21	Oct06 Oct20 Nov03	123 156 189	93 130 166	63 104 143	59 41 27
COLLEGE OBSERVATORY	36 32 28	May16 May12 May04	Jun07 May25 May13	Jun30 Jun07 May21	Aug12 Aug17 Aug28	Aug23 Aug30 Sep13	Sep02 Sep13 Sep28	104 114 140	75 97 122	47 79 104	69 64 58
COLLEGE 5 NW	36 32 28	May15 May09 Apr22	Jun01 May18 May06	Jun18 May27 May20	Aug13 Aug24 Sep04	Aug26 Sep08 Sep18	Sep08 Sep23 Oct03	108 129 157	85 112 135	62 96 112	66 61 55
COOPER LAKE PROJECT	36 32 28	May24 Apr30 Apr17	Jun10 May21 May03	Jun26 Jun10 May18	Aug26 Sep07 Sep19	Sep09 Sep23 Oct06	Sep24 Oct09 Oct23	118 152 183	91 124 156	65 97 128	63 51 38

CORDOVA AP	36	May29	Jun17	Jul06	Aug16	Aug30	Sep13	99	74	48	59
	32	May11	May21	Jun01	Sep02	Sep15	Sep29	132	116	100	45
	28	Apr18	May05	May21	Sep14	Sep28	Oct11	169	145	121	33
EIELSON FIELD	36	May15	May30	Jun14	Aug17	Aug27	Sep06	109	89	68	67
	32	May03	May15	May26	Aug25	Sep04	Sep15	128	112	96	61
	28	Apr22	May05	May17	Aug30	Sep15	Oct01	154	133	111	55
ELFIN COVE	36	May07	May17	May27	Sep24	Oct11	Oct28	168	146	125	45
	32	Apr06	Apr24	May13	Oct05	Oct26	Nov16	213	184	155	25
	28	Mar08	Mar28	Apr17	Oct24	Nov19	Dec16	274	236	198	12
FAIRBANKS INTL AP	36	May15	May24	Jun02	Aug17	Aug28	Sep08	112	96	79	66
	32	May07	May15	May23	Aug26	Sep08	Sep21	132	115	99	61
	28	Apr21	May03	May15	Sep03	Sep19	Oct05	158	138	119	55
GLACIER BAY	36	May13	May29	Jun14	Sep07	Sep23	Oct09	140	116	93	55
	32	Apr23	Apr07	May20	Sep20	Oct08	Oct26	177	154	130	40
	28	Mar21	Apr11	May01	Sep28	Oct26	Nov23	237	198	159	21
GLEN ALPS	36	May31	Jun17	Jul03	Aug13	Aug29	Sep13	99	73	46	69
	32	May12	May30	Jun16	Aug24	Sep10	Sep28	128	103	78	61
	28	Apr22	May10	May29	Sep08	Sep23	Oct09	161	135	109	51
GLENNALLEN KCAM	36	Jul14	Jul26	Aug07	Jul31	Aug05	Aug10	24	10	0	78
	32	Jun30	Jul17	Aug03	Aug01	Aug10	Aug19	46	23	1	72
	28	Jun02	Jun24	Jul15	Aug07	Aug16	Aug26	77	53	28	64
GULKANA AP	36	Jun13	Jul06	Jul29	Aug01	Aug11	Aug21	61	36	10	72
	32	May22	Jun12	Jul03	Aug07	Aug19	Aug31	91	67	44	65
	28	May09	May23	Jun05	Aug19	Aug31	Sep12	120	100	79	58
HOMER AP	36	May19	Jun09	Jun30	Aug24	Sep08	Sep23	117	90	63	61
	32	May04	May20	Jun05	Sep11	Sep24	Oct08	150	127	103	49
	28	Apr14	May01	May18	Sep21	Oct03	Oct15	177	155	132	36
ILIAMNA AP	36	May18	Jun01	Jun15	Aug25	Sep12	Sep30	128	102	77	61
	32	May02	May17	Jun01	Sep12	Sep24	Oct05	149	129	109	49
	28	Apr15	May02	May20	Sep19	Oct03	Oct17	176	153	130	39
INTRICATE BAY	36	Jun10	Jul01	Jul22	Aug04	Aug17	Aug29	73	46	19	66
	32	May29	Jun17	Jul06	Aug14	Aug31	Sep17	102	74	46	54
	28	May13	May27	Jun10	Sep03	Sep17	Oct01	132	112	92	43
JUNEAU INTL AP	36	May07	May25	Jun12	Aug31	Sep18	Oct07	145	116	86	49
	32	Apr22	May08	May24	Sep15	Oct04	Oct22	176	148	120	35
	28	Mar24	Apr14	May05	Sep25	Oct16	Nov07	216	185	154	23
KENAI MUNICIPAL AP	36	May27	Jun23	Jul19	Aug08	Aug25	Sep12	97	63	29	65
	32	May11	May26	Jun10	Aug23	Sep09	Sep26	132	105	78	56
	28	Apr16	May05	May24	Sep06	Sep22	Oct09	167	139	111	45
KING SALMON AP	36	Jun05	Jun23	Jul11	Aug11	Aug29	Sep15	94	66	38	65
	32	May14	May29	Jun13	Aug23	Sep10	Sep29	131	103	76	54
	28	Apr24	May10	May26	Sep06	Sep22	Oct08	159	134	109	43
KITOI BAY	36	May23	Jun06	Jun21	Aug29	Sep15	Oct02	123	100	76	59
	32	May02	May18	Jun03	Sep15	Sep27	Oct10	152	131	110	45
	28	Apr09	May01	May23	Sep27	Oct10	Oct24	190	162	134	28
KOTZEBUE WIEN AP	36	Jun11	Jun24	Jul07	Aug20	Sep05	Sep20	94	72	50	74
	32	May31	Jun11	Jun21	Sep03	Sep18	Oct03	117	99	81	67
	28	May17	May30	Jun12	Sep13	Sep25	Oct07	136	117	98	62
LITTLE PORT WALTER	36	May10	May26	Jun12	Sep20	Oct04	Oct17	149	129	110	46
	32	Apr15	May03	May21	Oct02	Oct24	Nov14	205	173	141	29
	28	Feb23	Mar23	Apr21	Oct27	Nov19	Dec11	277	240	203	12
MATANUSKA AES	36	May22	Jun04	Jun17	Aug18	Sep01	Sep15	109	88	68	63
	32	May11	May20	May30	Aug28	Sep14	Sep30	137	116	94	56
	28	Apr20	May04	May19	Sep11	Sep24	Oct07	164	142	119	47
MCGRATH AP	36	May18	Jun08	Jun29	Aug10	Aug22	Sep04	99	75	50	68
	32	May08	May21	Jun02	Aug19	Sep02	Sep15	122	103	84	62
	28	Apr26	May07	May18	Sep02	Sep16	Oct01	150	131	113	55

MCKINLEY PARK	36 32 28	Jun21 May25 May16	Jul15 Jun18 May30	Aug07 Jul11 Jun13	Jul31 Aug07 Aug19	Aug09 Aug19 Aug29	Aug18 Sep01 Sep09	53 93 111	25 62 91	0 31 71	78 70 62
NOME AP	36 32 28	Jun13 May21 May11	Jul04 Jun11 May25	Jul25 Jul02 Jun07	Aug03 Aug12 Aug27	Aug20 Aug31 Sep14	Sep06 Sep19 Oct03	75 112 135	46 80 112	18 49 90	72 65 57
NORTH POLE	36 32 28	May28 May18 May06	Jun25 May31 May19	Jul23 Jun14 Jun01	Aug05 Aug13 Aug21	Aug15 Aug23 Sep04	Aug24 Sep02 Sep18	82 101 127	50 83 108	18 65 88	72 67 60
NORTHWAY AP	36 32 28	May26 May16 May05	Jun14 May29 May14	Jul03 Jun11 May24	Aug10 Aug18 Aug24	Aug19 Aug28 Sep06	Aug27 Sep08 Sep18	88 108 128	65 91 114	42 73 99	73 68 62
OUZINKIE	36 32 28	Jun29 May29 May13	Jul15 Jun21 May28	Aug01 Jul13 Jun12	Aug02 Aug06 Aug15	Aug09 Aug18 Aug25	Aug17 Aug30 Sep05	43 83 108	24 58 89	5 33 69	74 67 59
PALMER IAS	36 32 28	May13 May01 Apr16	May30 May13 Apr29	Jun16 May25 May13	Aug25 Aug31 Sep12	Sep08 Sep18 Sep26	Sep23 Oct06 Oct10	123 152 172	100 128 149	77 103 126	62 55 46
PORT ALSWORTH	36 32 28	May22 May04 Apr18	Jun21 Jun02 May15	Jul20 Jul02 Jun11	Aug12 Aug21 Sep06	Aug23 Sep08 Sep22	Sep04 Sep26 Oct07	100 138 168	63 97 129	26 56 90	64 54 43
PUNTILLA	36 32 28	Jul01 Jun08 May17	Jul18 Jul02 Jun10	Aug05 Jul26 Jul05	Aug02 Aug06 Aug13	Aug11 Aug18 Sep01	Aug19 Aug30 Sep20	45 79 121	22 46 82	0 14 42	78 71 61
ST PAUL ISLAND AP	36 32 28	Jun14 May24 May08	Jul07 Jun15 May25	Jul30 Jul07 Jun12	Aug12 Aug30 Sep17	Aug31 Sep18 Oct04	Sep20 Oct07 Oct21	92 125 157	55 94 131	18 63 104	66 50 35
SEWARD	36 32 28	May01 Apr15 Mar31	May21 May05 Apr13	Jun09 May24 Apr27	Sep11 Sep26 Oct06	Sep24 Oct08 Oct21	Oct06 Oct19 Nov04	149 180 212	125 156 190	102 131 167	55 40 27
SITKA JAPONSKI AP	36 32 28	Apr26 Apr03 Feb17	May10 Apr16 Mar16	May24 Apr29 Apr12	Sep26 Oct13 Oct25	Oct14 Oct31 Nov19	Nov01 Nov18 Dec13	180 223 280	157 197 247	133 172 213	35 19 10
SNOWSHOE LAKE	36 32 28	Jul17 Jul03 May25	Jul27 Jul20 Jun24	Aug06 Aug07 Jul23	Jul31 Jul31 Aug03	Aug04 Aug09 Aug16	Aug09 Aug18 Aug29	19 43 92	7 19 53	0 0 13	85 77 69
TALKEETNA AP	36 32 28	May24 May15 Apr29	Jun06 May24 May10	Jun20 Jun03 May21	Aug16 Aug24 Sep08	Aug28 Sep09 Sep23	Sep08 Sep24 Oct08	101 126 157	82 107 135	62 88 113	67 61 52
TANANA AP	36 32 28	May26 May12 May09	Jun24 Jun04 May18	Jul23 Jun27 May27	Aug03 Aug11 Aug20	Aug15 Aug25 Sep04	Aug27 Sep08 Sep19	87 114 128	51 81 108	16 49 88	70 65 59
TOK	36 32 28	Jun28 Jun06 May20	Jul19 Jul05 Jun13	Aug09 Aug02 Jul07	Jul31 Aug02 Aug09	Aug07 Aug12 Aug22	Aug13 Aug22 Sep03	43 70 99	18 38 69	0 6 39	80 73 66
TONSINA	36 32 28	Jul07 Jun13 May19	Jul22 Jul03 Jun06	Aug05 Jul24 Jun24	Jul31 Aug01 Aug12	Aug07 Aug12 Aug25	Aug14 Aug23 Sep07	34 65 102	15 39 79	0 12 57	80 73 64
UNIVERSITY EXP STA	36 32 28	May18 May15 Apr27	Jun09 May28 May12	Jul01 Jun10 May27	Aug07 Aug20 Aug26	Aug19 Aug30 Sep12	Aug31 Sep09 Sep28	98 110 142	70 94 122	41 77 101	70 64 57
VALDEZ	36 32 28	May05 Apr18 Apr06	May22 May01 Apr17	Jun08 May15 Apr28	Aug31 Sep14 Oct04	Sep16 Sep28 Oct17	Oct02 Oct12 Oct29	139 171 198	116 149 182	93 127 166	58 48 35
WASILLA 3 S	36 32 28	May27 May10 Apr21	Jun10 May26 May05	Jun24 Jun10 May18	Aug14 Aug24 Sep09	Aug29 Sep09 Sep23	Sep12 Sep24 Oct07	99 129 165	79 106 141	60 82 117	64 56 46

WHITES CROSSING	36	Jun04	Jun24	Jul15	Aug06	Aug17	Aug28	81	53	26	69
	32	May23	Jun05	Jun17	Aug12	Aug29	Sep15	105	85	64	63
	28	May08	May19	May30	Aug24	Sep10	Sep27	135	113	90	56
WRANGELL AP	36	Apr19	May17	Jun15	Sep09	Oct04	Oct29	183	139	94	43
	32	Mar27	Apr26	May26	Sep27	Oct20	Nov12	222	176	130	28
	28	Feb28	Mar28	Apr25	Oct19	Nov09	Nov30	268	225	182	17

Notes:

- (1) Probability of later date in spring (thru Jul 31) than indicated.
- (2) Probability of earlier date in fall (beginning Aug 1) than indicated.
- (3) Probability of longer than indicated freeze free period.
- (4) Probability of Freeze/Frost in the yearly period (percent of days with temperatures at or below the threshold temperature).