

**Frost/Freeze Data**

COOP ID	Station Name, State	Latitude (DEG MN)	Longitude (DEG MN)	Elevation (Feet)	Climate DIV	Period of Record	Call Sign
010160	ALEXANDER CITY, AL	3257N	8557W	640	5	1969-2001	
010178	ALICEVILLE, AL	3308N	8808W	240	3	1934-2001	
010252	ANDALUSIA 3 W, AL	3118N	8631W	250	7	1948-2001	
010272	ANNISTON METRO AP, AL	3335N	8551W	594	4	1948-2001	ANB
010369	ASHLAND 3 SE, AL	3314N	8549W	1,010	5	1948-2001	
010402	ATMORE STATE NURSERY, AL	3110N	8726W	300	7	1948-2001	
010505	BANKHEAD LOCK AND DAM, AL	3327N	8721W	280	3	1957-2001	
010583	BAY MINETTE, AL	3053N	8747W	271	8	1948-2001	
010616	BEATRICE, AL	3143N	8713W	178	7	1948-2000	
010655	BELLE MINA 2 N, AL	3441N	8653W	600	1	1950-2001	
010831	BIRMINGHAM INTL AP, AL	3334N	8645W	615	2	1930-2001	BHM
011084	BREWTON 3 SSE, AL	3103N	8703W	85	7	1928-2001	
011099	BRIDGEPORT 5 NW, AL	3459N	8548W	670	2	1948-2001	
011301	CAMDEN 3 NW, AL	3202N	8719W	235	7	1961-2001	
011324	CAMP HILL 2 NW, AL	3249N	8539W	680	5	1949-2001	
011566	CHATOM, AL	3128N	8815W	285	7	1949-2001	
011620	CHILDERSBURG WATER PLANT, AL	3317N	8621W	418	4	1957-2001	EET
011694	CLANTON, AL	3249N	8639W	610	3	1920-2001	
011725	CLAYTON, AL	3153N	8529W	500	7	1948-2001	
011803	CODEN, AL	3023N	8814W	12	8	1956-2001	
012245	DEMOPOLIS LOCK AND DAM, AL	3231N	8753W	100	6	1951-2001	
012675	ENTERPRISE 5 NNW, AL	3123N	8554W	469	7	1966-2001	
012730	EUFAULA WILDLIFE REF, AL	3200N	8505W	215	7	1967-2001	
012758	EVERGREEN, AL	3127N	8657W	290	7	1933-2001	
012813	FAIRHOPE 2 NE, AL	3033N	8753W	23	8	1948-2001	
012883	FAYETTE, AL	3341N	8749W	365	3	1930-2001	
013105	FRISCO CITY 3 SSW, AL	3123N	8725W	275	7	1948-2000	
013154	GADSDEN, AL	3401N	8559W	565	4	1953-2001	
013160	GAINESVILLE LOCK, AL	3250N	8808W	125	6	1948-2001	
013511	GREENSBORO, AL	3242N	8735W	220	6	1890-2001	
013519	GREENVILLE, AL	3151N	8639W	470	7	1920-2001	
013573	GUNTERSVILLE, AL	3420N	8620W	578	2	1927-2001	

013620	HALEYVILLE, AL	3414N	8738W	920	3	1948-2001	
013645	HAMILTON 3 S, AL	3406N	8759W	435	3	1962-2001	
013761	HEADLAND, AL	3121N	8520W	370	7	1950-2001	
013775	HEFLIN, AL	3339N	8536W	850	5	1956-2001	
013816	HIGHLAND HOME, AL	3157N	8619W	594	7	1948-2001	
014064	HUNTSVILLE INTL AP, AL	3439N	8647W	624	1	1959-2001	HSV
014193	JACKSON, AL	3132N	8756W	220	7	1961-2001	
014226	JASPER, AL	3354N	8719W	486	3	1960-2001	
014502	LAFAYETTE 2 W, AL	3254N	8526W	740	5	1948-2001	
014798	LIVINGSTON, AL	3235N	8811W	128	6	1948-2001	
015121	MARION JUNCTION 2 NE, AL	3228N	8714W	200	6	1950-2001	
015478	MOBILE RGNL AP, AL	3041N	8815W	215	8	1900-2001	MOB
015550	MONTGOMERY DANNELLY AP, AL	3218N	8624W	202	6	1948-2001	MGM
015635	MOULTON 2, AL	3429N	8718W	645	1	1957-2001	
015749	MUSCLE SHOALS AP, AL	3445N	8736W	540	1	1940-2001	MSL
016121	ONEONTA, AL	3357N	8628W	892	2	1948-2001	
016129	OPELIKA, AL	3240N	8527W	640	5	1957-2001	
016988	ROBERTSDALE 5 NE, AL	3038N	8739W	175	8	1930-2001	
017020	ROCKFORD 3 ESE, AL	3252N	8611W	600	5	1954-2001	
017025	ROCK MILLS, AL	3310N	8517W	745	5	1938-2001	
017131	RUSSELLVILLE NO 2, AL	3431N	8744W	830	1	1953-2001	
017157	SAINT BERNARD, AL	3410N	8649W	800	2	1930-2001	
017207	SAND MT SUBSTATION, AL	3417N	8558W	1,195	2	1949-2001	
017304	SCOTTSBORO, AL	3448N	8603W	615	2	1927-2001	
017366	SELMA, AL	3225N	8701W	147	6	1930-2001	
017999	SYLACAUGA 4 NE, AL	3312N	8613W	490	4	1950-2001	
018024	TALLADEGA, AL	3325N	8608W	448	4	1948-2001	
018178	THOMASVILLE, AL	3132N	8753W	405	7	1930-2001	
018209	THORSBY EXP STATION, AL	3255N	8640W	680	3	1957-2001	
018323	TROY, AL	3148N	8558W	542	7	1930-2001	
018380	TUSCALOOSA ACFD, AL	3313N	8737W	169	3	1948-2001	TCL
018438	UNION SPRINGS 9 S, AL	3201N	8545W	440	6	1948-2001	
018469	VALLEY HEAD, AL	3434N	8537W	1,062	2	1948-2001	
018517	VERNON 2 N, AL	3348N	8807W	265	3	1948-2001	
018867	WHATLEY, AL	3139N	8743W	170	7	1948-2001	
020060	AGUILA, AZ	3357N	11311W	2,165	6	1924-2001	
020080	AJO, AZ	3222N	11252W	1,800	7	1914-2001	

020159	ALPINE, AZ	3351N	10909W	8,050	2	1904-2001	
020287	ANVIL RANCH, AZ	3159N	11123W	2,750	7	1948-2001	
020586	BAGDAD, AZ	3434N	11311W	3,705	3	1925-2001	
020632	BARTLETT DAM, AZ	3349N	11139W	1,650	6	1939-2001	
020670	BEAVER CREEK RANGER STN, AZ	3440N	11143W	3,820	3	1957-2001	
020672	BEAVER DAM, AZ	3654N	11357W	1,875	1	1956-2001	
020750	BETATAKIN, AZ	3641N	11032W	7,286	2	1948-2001	
020808	BLACK RIVER PUMPS, AZ	3329N	10945W	6,065	7	1948-2001	
020871	BLUE RIDGE RANGER STN, AZ	3437N	11111W	6,880	2	1967-2001	
020949	BOUSE, AZ	3357N	11401W	925	5	1952-2001	
020958	BOWIE, AZ	3219N	10929W	3,760	7	1899-2001	
021001	BRIGHT ANGEL R S, AZ	3613N	11204W	8,400	2	1948-2001	
021026	BUCKEYE, AZ	3323N	11235W	890	6	1893-2001	
021231	CANELO 1 NW, AZ	3134N	11032W	5,010	7	1910-2001	
021248	CANYON DE CHELLY, AZ	3609N	10932W	5,610	2	1970-2001	
021282	CAREFREE, AZ	3349N	11154W	2,530	6	1962-2001	
021306	CASA GRANDE, AZ	3253N	11143W	1,403	6	1898-2001	
021314	CASA GRANDE NATL MONUMNT, AZ	3300N	11132W	1,419	6	1906-2001	
021330	CASCABEL, AZ	3219N	11025W	3,145	7	1969-2001	
021353	CASTLE HOT SPRINGS, AZ	3359N	11222W	1,990	3	1959-2001	
021514	CHANDLER HEIGHTS, AZ	3312N	11141W	1,425	6	1948-2001	
021574	CHEVELON R S, AZ	3433N	11055W	7,006	2	1959-2001	
021614	CHILDS, AZ	3421N	11142W	2,650	3	1915-2001	
021654	CHINO VALLEY, AZ	3445N	11227W	4,750	3	1948-2001	
021664	CHIRICAHUA NATL MONUMENT, AZ	3200N	10921W	5,300	7	1909-2001	
021849	CLIFTON, AZ	3303N	10918W	3,520	7	1893-2001	
021920	COLORADO CITY, AZ	3700N	11258W	5,010	1	1963-2001	
022109	CORDES, AZ	3418N	11210W	3,771	3	1948-2001	
022140	CORONADO N M HDQTRS, AZ	3121N	11015W	5,242	7	1960-2001	
022664	DOUGLAS BISBEE INTL AP, AZ	3128N	10936W	4,098	7	1948-2001	DUG
022754	DUNCAN, AZ	3245N	10907W	3,660	7	1901-2001	
022807	ELOY 4 NE, AZ	3247N	11131W	1,545	6	1951-2001	
023010	FLAGSTAFF PULLIAM AP, AZ	3508N	11140W	7,003	2	1950-2001	FLG
023027	FLORENCE, AZ	3302N	11124W	1,505	6	1892-2001	
023150	FORT THOMAS 2 SW, AZ	3301N	11000W	2,800	7	1966-2001	
023160	FORT VALLEY, AZ	3516N	11145W	7,347	2	1909-2001	
023303	GANADO, AZ	3543N	10934W	6,340	2	1948-2001	

023393	GILA BEND, AZ	3257N	11243W	735	6	1892-2001	
023683	GREER, AZ	3400N	10928W	8,490	2	1948-2001	
023828	HAPPY JACK RANGER STN, AZ	3445N	11125W	7,480	2	1969-2001	
023961	HEBER RANGER STN, AZ	3424N	11033W	6,590	2	1950-2001	
024089	HOLBROOK, AZ	3455N	11009W	5,085	2	1893-2001	
024453	JEROME, AZ	3445N	11207W	4,950	3	1897-2001	
024586	KEAMS CANYON, AZ	3549N	11012W	6,205	2	1948-2001	
024675	KITT PEAK, AZ	3158N	11136W	6,790	7	1960-2001	
024702	KOFA MINE, AZ	3316N	11358W	1,775	5	1952-2001	
024829	LAVEEN 3 SSE, AZ	3320N	11209W	1,135	6	1948-2001	
024849	LEES FERRY, AZ	3652N	11136W	3,210	2	1916-2001	
024977	LITCHFIELD PARK, AZ	3330N	11222W	1,030	6	1917-2000	
025129	LUKACHUKAI, AZ	3625N	10914W	6,520	2	1951-2001	
025270	MARICOPA 4 N, AZ	3307N	11202W	1,160	6	1960-2001	
025412	MC NARY 2 N, AZ	3407N	10951W	7,340	2	1933-2001	
025512	MIAMI, AZ	3324N	11052W	3,560	4	1914-2001	
025635	MONTEZUMA CASTLE N M, AZ	3437N	11150W	3,179	3	1938-2001	
025700	MORMON FLAT, AZ	3333N	11127W	1,705	6	1923-2001	
025924	NOGALES 6 N, AZ	3127N	11058W	3,560	7	1952-2001	
026119	ORACLE 2 SE, AZ	3236N	11044W	4,510	6	1950-2001	
026132	ORGAN PIPE CACTUS N M, AZ	3157N	11248W	1,678	7	1948-2001	
026180	PAGE, AZ	3655N	11127W	4,270	2	1957-2001	
026250	PARKER, AZ	3409N	11417W	420	5	1893-2001	
026323	PAYSON, AZ	3414N	11120W	4,913	4	1940-2001	0E4
026353	PEARCE SUNSITES, AZ	3156N	10950W	4,350	7	1950-2001	
026468	PETRIFIED FOREST N P, AZ	3448N	10953W	5,446	2	1948-2001	
026471	PHANTOM RANCH, AZ	3606N	11206W	2,570	2	1966-2001	
026481	PHOENIX SKY HRBR INTL AP, AZ	3326N	11200W	1,107	6	1948-2001	PHX
026616	PIPE SPRINGS NATL MONMNT, AZ	3652N	11244W	4,920	1	1963-2001	
026653	PLEASANT VALLEY R S, AZ	3406N	11056W	5,050	4	1964-2001	
026716	PORTAL 4 SW, AZ	3153N	10912W	5,390	7	1965-2001	
026796	PRESCOTT, AZ	3434N	11226W	5,205	3	1898-2001	
026865	QUARTZSITE, AZ	3340N	11414W	875	5	1959-2001	
027281	ROOSEVELT 1 WNW, AZ	3340N	11109W	2,205	4	1905-2001	
027370	SACATON, AZ	3305N	11144W	1,285	6	1908-2001	
027390	SAFFORD AGRICULTRL CTR, AZ	3249N	10941W	2,954	7	1948-2001	E74
027435	SAINT JOHNS, AZ	3431N	10924W	5,790	2	1901-2001	

027480	SAN CARLOS RESERVOIR, AZ	3311N	11032W	2,532	4	1948-2001	
027488	SANDERS, AZ	3513N	10919W	5,853	2	1949-2001	
027560	SAN SIMON, AZ	3216N	10914W	3,610	7	1898-2001	
027593	SANTA RITA EXP RANGE, AZ	3146N	11051W	4,300	7	1950-2001	
027619	SASABE, AZ	3129N	11133W	3,590	7	1959-2001	
027708	SEDONA RANGER STN, AZ	3452N	11146W	4,220	2	1948-2001	
027716	SELIGMAN, AZ	3520N	11253W	5,250	3	1904-2001	
027855	SHOW LOW AP, AZ	3416N	11000W	6,411	2	1965-2001	SOW
028012	SNOWFLAKE, AZ	3430N	11005W	5,642	2	1897-2001	
028112	SOUTH PHOENIX, AZ	3323N	11204W	1,155	6	1961-2001	
028162	SPRINGERVILLE, AZ	3408N	10917W	7,060	2	1911-2001	
028214	STEWART MOUNTAIN, AZ	3333N	11132W	1,422	6	1948-2001	
028329	SUNSET CRATER NATL MNMNT, AZ	3522N	11133W	6,980	2	1969-2001	
028348	SUPERIOR, AZ	3318N	11106W	2,860	6	1920-2001	
028396	TACNA 3 NE, AZ	3243N	11355W	324	5	1969-2001	
028468	TEEC NOS POS, AZ	3655N	10905W	5,290	2	1962-2001	
028499	TEMPE A S U, AZ	3325N	11156W	1,170	6	1953-2001	
028619	TOMBSTONE, AZ	3142N	11003W	4,610	7	1893-2001	
028792	TUBA CITY, AZ	3608N	11114W	5,030	2	1900-2001	
028796	TUCSON CAMP AVE EXP FM, AZ	3217N	11057W	2,330	7	1949-2001	
028815	TUCSON, AZ	3214N	11057W	2,478	7	1894-2001	
028820	TUCSON INTL AP, AZ	3208N	11057W	2,549	7	1948-2001	TUS
028865	TUMACACORI NATL MONUMENT, AZ	3134N	11103W	3,267	7	1948-2001	
029114	WAHWEAP, AZ	3700N	11129W	3,730	2	1961-2001	
029158	WALNUT CREEK, AZ	3456N	11249W	5,090	3	1915-2001	
029271	WHITERIVER 1 SW, AZ	3349N	10959W	5,120	2	1900-2001	
029287	WICKENBURG, AZ	3359N	11244W	2,095	6	1908-2001	
029309	WIKIEUP, AZ	3442N	11337W	2,010	1	1948-2001	
029334	WILLCOX, AZ	3215N	10950W	4,175	7	1898-2001	
029359	WILLIAMS, AZ	3514N	11211W	6,750	2	1897-2001	
029376	WILLOW BEACH, AZ	3552N	11440W	740	1	1967-2001	
029439	WINSLOW AP, AZ	3502N	11043W	4,886	2	1898-2001	INW
029542	WUPATKI N M, AZ	3531N	11122W	4,908	2	1948-2001	
029634	YOUNGTOWN, AZ	3336N	11218W	1,135	6	1964-2001	
029645	YUCCA 1 NNE, AZ	3453N	11408W	1,950	1	1950-2001	
029652	YUMA CITRUS STATION, AZ	3237N	11438W	191	5	1920-2001	
029654	YUMA PROVING GROUND, AZ	3250N	11424W	324	5	1958-2001	

030064	ALICIA, AR	3554N	9105W	256	3	1948-2001	
030130	ALUM FORK, AR	3448N	9251W	698	5	1948-2001	
030220	ARKADELPHIA 2 N, AR	3409N	9304W	196	8	1930-2001	
030240	ARKANSAS POST, AR	3402N	9121W	194	6	1963-2001	
030458	BATESVILLE LIVESTOCK, AR	3550N	9148W	571	3	1941-2001	
030460	BATESVILLE L&D 1, AR	3545N	9138W	260	3	1948-2001	
030536	BEEDEVILLE 4 NE, AR	3528N	9103W	240	3	1948-2001	
030582	BENTON, AR	3434N	9236W	310	5	1948-2001	
030586	BENTONVILLE 4 S, AR	3619N	9413W	1,220	1	1948-2001	
030764	BLAKELY MOUNTAIN DAM, AR	3434N	9312W	426	5	1950-2001	
030798	BLUE MOUNTAIN DAM, AR	3507N	9339W	426	4	1948-2001	
030806	BLYTHEVILLE, AR	3555N	8954W	252	3	1930-2001	
030936	BRINKLEY, AR	3453N	9111W	200	6	1948-2001	
031102	CABOT 4 SW, AR	3457N	9205W	279	5	1918-2001	
031132	CALICO ROCK 2 WSW, AR	3607N	9210W	350	2	1930-2001	
031152	CAMDEN 1, AR	3335N	9249W	116	8	1930-2001	
031442	CLARENDON, AR	3442N	9118W	180	6	1948-2001	
031596	CONWAY, AR	3505N	9226W	315	5	1890-2001	
031632	CORNING, AR	3625N	9035W	300	3	1930-2001	
031730	CROSSETT 2 SSE, AR	3308N	9158W	180	9	1948-2001	
031838	DARDANELLE, AR	3514N	9310W	370	4	1948-2001	
031948	DEQUEEN, AR	3402N	9421W	420	7	1948-2001	
031962	DERMOTT 3 NE, AR	3333N	9123W	143	9	1963-2001	
031968	DES ARC, AR	3459N	9130W	200	6	1948-2001	
032148	DUMAS, AR	3353N	9132W	163	9	1930-2001	
032300	EL DORADO S AZ RGNL AP, AR	3313N	9249W	252	8	1930-2001	ELD
032355	EUDORA, AR	3307N	9116W	135	9	1962-2001	
032356	EUREKA SPRINGS 3 WNW, AR	3625N	9347W	1,420	1	1948-2001	
032366	EVENING SHADE 1 NNE, AR	3605N	9137W	500	2	1948-2001	
032444	FAYETTEVILLE EXP STN, AR	3606N	9410W	1,270	1	1890-2001	
032540	FORDYCE, AR	3349N	9226W	230	8	1936-2001	
032574	FORT SMITH RGNL AP, AR	3520N	9422W	449	4	1900-2001	FSM
032794	GILBERT, AR	3559N	9243W	620	2	1930-2001	
032930	GRAVETTE, AR	3626N	9427W	1,260	1	1948-2001	
032962	GREENBRIER, AR	3514N	9222W	330	5	1948-2001	
032978	GREERS FERRY DAM, AR	3531N	9200W	527	2	1960-2001	
033165	HARRISON BOONE CO AP, AR	3616N	9309W	1,374	1	1961-2001	HRO

033242	HELENA, AR	3431N	9035W	195	6	1948-2001	
033428	HOPE 3 NE, AR	3343N	9333W	375	7	1892-2001	
033466	HOT SPRINGS 1 NNE, AR	3431N	9303W	680	5	1948-2001	
033734	JONESBORO 4 N, AR	3553N	9042W	390	3	1890-2001	
033821	KEISER, AR	3540N	9005W	232	3	1959-2001	
033862	KEO, AR	3436N	9200W	230	6	1948-2001	
034106	LEAD HILL, AR	3626N	9256W	715	1	1948-2001	
034134	LEOLA, AR	3410N	9235W	255	5	1948-2001	
034248	LITTLE ROCK ADAMS AP, AR	3445N	9214W	257	5	1897-2001	LIT
034548	MAGNOLIA, AR	3315N	9314W	318	8	1948-2001	
034562	MALVERN, AR	3423N	9250W	311	5	1948-2001	
034572	MAMMOTH SPRING, AR	3630N	9132W	502	2	1948-2001	
034638	MARIANNA 2 S, AR	3444N	9046W	234	6	1899-2001	
034666	MARSHALL, AR	3555N	9238W	1,013	2	1948-2001	
034756	MENA, AR	3434N	9415W	1,130	4	1942-2001	
034900	MONTICELLO 3 SW, AR	3336N	9149W	290	9	1948-2001	
034938	MORRILTON, AR	3509N	9246W	340	5	1919-2001	
034988	MOUNT IDA 3 SE, AR	3432N	9335W	697	7	1948-2001	
035036	MOUNTAIN HOME 1 NNW, AR	3621N	9224W	800	2	1902-2001	
035046	MOUNTAIN VIEW, AR	3555N	9206W	780	2	1948-2001	
035079	MURFREESBORO 5 SW, AR	3402N	9346W	460	7	1970-2001	
035112	NASHVILLE, AR	3356N	9351W	400	7	1948-2001	
035186	NEWPORT, AR	3536N	9116W	228	3	1930-2001	
035200	NIMROD DAM, AR	3457N	9310W	480	5	1948-2001	
035754	PINE BLUFF, AR	3414N	9201W	215	9	1887-2001	
035820	POCAHONTAS 1, AR	3616N	9058W	315	3	1948-2001	
035866	PORTLAND, AR	3314N	9130W	120	9	1909-2001	
035908	PRESCOTT, AR	3348N	9323W	308	8	1930-2001	
036253	ROHWER 2 NNE, AR	3349N	9116W	150	9	1959-2001	
036376	SAINT CHARLES, AR	3423N	9108W	200	6	1948-2001	
036506	SEARCY, AR	3514N	9150W	245	3	1930-2001	
036768	SPARKMAN, AR	3355N	9250W	170	8	1948-2001	
036920	STUTTGART 9 ESE, AR	3428N	9125W	198	6	1890-2001	
036928	SUBIACO, AR	3518N	9338W	500	4	1948-2001	
037048	TEXARKANA WEBB FIELD, AR	3327N	9400W	361	7	1930-2001	TXK
037488	WALDRON, AR	3454N	9412W	675	4	1948-2001	
037582	WARREN 2 WSW, AR	3336N	9206W	210	8	1948-2001	

037712	WEST MEMPHIS, AR	3507N	9011W	215	6	1962-2001	
038052	WYNNE, AR	3515N	9048W	260	6	1948-2001	
040029	ADIN RS, CA	4112N	12057W	4,195	2	1948-2001	
040136	ALPINE, CA	3250N	11647W	1,735	6	1952-2001	
040161	ALTURAS, CA	4130N	12033W	4,400	2	1931-2001	
040212	ANGWIN PAC UNION COL, CA	3834N	12226W	1,715	1	1948-2001	
040232	ANTIOCH PUMP PLANT #3, CA	3759N	12145W	60	5	1955-2001	
040343	ASH MOUNTAIN, CA	3629N	11850W	1,708	5	1948-2001	
040379	AUBERRY 2 NW, CA	3706N	11931W	2,090	5	1948-2001	
040383	AUBURN, CA	3854N	12105W	1,292	2	1948-2001	
040442	BAKERSFIELD KERN CO AP, CA	3526N	11903W	489	5	1937-2001	BFL
040449	BALCH POWER HOUSE, CA	3655N	11905W	1,720	5	1950-2001	
040609	BEAUMONT 1 E, CA	3356N	11658W	2,600	7	1948-2001	BUO
040693	BERKELEY, CA	3752N	12216W	310	4	1919-2001	
040738	BIG BAR 4 E, CA	4044N	12312W	1,250	1	1948-2001	
040741	BIG BEAR LAKE, CA	3415N	11653W	6,790	6	1960-2001	
040822	BISHOP AP, CA	3722N	11821W	4,102	7	1948-2001	BIH
040897	BLUE CANYON, CA	3917N	12043W	5,280	2	1948-2001	BLU
040924	BLYTHE, CA	3337N	11436W	268	7	1931-2001	
040927	BLYTHE AP, CA	3337N	11443W	395	7	1948-2001	BLH
040931	BOCA, CA	3923N	12006W	5,575	3	1948-2001	
040943	BODIE, CA	3813N	11901W	8,370	3	1964-2001	
040983	BORREGO DESERT PARK, CA	3314N	11625W	805	7	1948-2001	
041018	BOWMAN DAM, CA	3927N	12039W	5,383	2	1948-2001	
041048	BRAWLEY 2 SW, CA	3257N	11533W	-,100	7	1927-2001	
041072	BRIDGEPORT, CA	3815N	11914W	6,470	3	1948-2001	
041194	BURBANK VALLEY PUMP PLNT, CA	3411N	11820W	655	6	1939-2001	
041214	BURNEY, CA	4053N	12139W	3,198	2	1948-2001	
041244	BUTTONWILLOW, CA	3524N	11928W	269	5	1948-2001	
041253	CACHUMA LAKE, CA	3434N	11959W	781	6	1952-2001	
041277	CALAVERAS BIG TREES, CA	3817N	12019W	4,694	5	1948-2001	
041312	CALISTOGA, CA	3835N	12234W	370	1	1948-2001	
041316	CALLAHAN, CA	4119N	12248W	3,185	1	1948-2001	
041424	CAMPO, CA	3237N	11628W	2,630	6	1948-2001	CZZ
041428	CAMP PARDEE, CA	3815N	12052W	658	5	1948-2001	
041476	CANBY 3 SW, CA	4125N	12054W	4,310	2	1948-2001	
041484	CANOGA PARK PIERCE COLLG, CA	3411N	11834W	790	6	1949-2001	



041497	CANYON DAM, CA	4010N	12105W	4,560	2	1948-2001	
041606	CECILVILLE, CA	4108N	12308W	2,330	1	1954-2001	
041614	CEDARVILLE, CA	4132N	12010W	4,670	3	1948-2001	
041697	CHERRY VALLEY DAM, CA	3758N	11955W	4,765	5	1955-2001	
041700	CHESTER, CA	4018N	12114W	4,525	2	1948-2001	
041715	CHICO UNIVERSITY FARM, CA	3941N	12149W	185	2	1906-2001	
041758	CHULA VISTA, CA	3238N	11705W	56	6	1948-2001	
041806	CLEARLAKE 4 SE, CA	3855N	12234W	1,349	2	1954-2001	
041838	CLOVERDALE, CA	3848N	12301W	333	1	1950-2001	
041864	COALINGA, CA	3608N	12022W	670	5	1942-2001	
041912	COLFAX, CA	3907N	12057W	2,400	2	1948-2001	
041948	COLUSA 2 SSW, CA	3911N	12202W	50	2	1948-2001	
042012	CORCORAN IRRIG DIST, CA	3606N	11935W	200	5	1948-2001	
042081	COVELO, CA	3949N	12315W	1,410	1	1948-2001	
042147	CRESCENT CITY 3 NNW, CA	4148N	12413W	40	1	1948-2001	
042214	CULVER CITY, CA	3400N	11825W	55	6	1935-2001	
042239	CUYAMACA, CA	3259N	11635W	4,640	6	1948-2001	
042257	DAGGETT BARSTOW AP, CA	3451N	11647W	1,917	7	1948-2001	DAG
042294	DAVIS 2 WSW EXP FARM, CA	3832N	12147W	60	2	1917-2001	
042319	DEATH VALLEY, CA	3628N	11652W	-,194	7	1961-2001	
042331	DEEP SPRINGS COLLEGE, CA	3722N	11759W	5,225	7	1948-2001	
042402	DE SABLA, CA	3952N	12137W	2,710	2	1948-2001	
042456	DOBBINS 1 S, CA	3922N	12112W	1,640	2	1970-2001	
042467	DONNER MEMORIAL ST PK, CA	3919N	12014W	5,937	3	1953-2001	
042500	DOWNIEVILLE, CA	3934N	12049W	2,914	2	1948-2001	
042506	DOYLE 4 SSE, CA	3958N	12005W	4,390	3	1956-2001	
042598	EAGLE MOUNTAIN, CA	3349N	11527W	973	7	1948-2001	
042640	EAST PARK RESERVOIR, CA	3922N	12231W	1,205	2	1948-2001	
042709	EL CAPITAN DAM, CA	3253N	11649W	600	6	1948-2001	
042713	EL CENTRO 2 SSW, CA	3246N	11534W	-30	7	1948-2001	
042771	EL MIRAGE, CA	3435N	11738W	2,950	7	1971-2001	
042805	ELSINORE, CA	3340N	11720W	1,285	6	1948-2001	
042910	EUREKA WFO WOODLEY IS, CA	4049N	12410W	20	1	1948-2001	EKA
042934	FAIRFIELD, CA	3816N	12204W	40	2	1950-2001	
042941	FAIRMONT, CA	3442N	11826W	3,060	7	1948-2001	
043083	FIVE POINTS 5 SSW, CA	3622N	12009W	285	5	1948-2001	
043157	FORT BIDWELL, CA	4152N	12009W	4,500	3	1948-2001	

043161	FORT BRAGG 5 N, CA	3931N	12346W	120	1	1948-2001	
043182	FORT JONES RANGER STN, CA	4136N	12251W	2,725	1	1948-2001	
043191	FORT ROSS, CA	3831N	12315W	112	1	1948-2001	
043257	FRESNO YOSEMITE INTL, CA	3647N	11943W	333	5	1948-2001	FAT
043261	FRIANT GOVERNMENT CAMP, CA	3700N	11943W	410	5	1948-2001	
043384	GEORGETOWN R S, CA	3856N	12048W	3,001	2	1948-2001	
043417	GILROY, CA	3700N	12134W	194	4	1957-2001	
043463	GLENNVILLE, CA	3544N	11842W	3,140	5	1951-2001	
043551	GRANT GROVE, CA	3644N	11858W	6,600	5	1948-2001	
043573	GRASS VALLEY NO 2, CA	3912N	12104W	2,400	2	1966-2001	
043578	GRATON, CA	3826N	12252W	200	1	1948-2001	
043710	HAIWEE, CA	3608N	11757W	3,825	7	1948-2001	
043714	HALF MOON BAY, CA	3728N	12227W	16	4	1948-2001	
043747	HANFORD 1 S, CA	3619N	11938W	245	5	1927-2001	
043761	HAPPY CAMP RANGER STN, CA	4148N	12323W	1,120	1	1931-2001	
043824	HAT CREEK, CA	4056N	12133W	3,015	2	1948-2001	
043855	HAYFIELD PUMPING PLANT, CA	3342N	11538W	1,370	7	1948-2001	
043859	HAYFORK 2 W, CA	4033N	12313W	2,300	1	1948-2001	
043875	HEALDSBURG, CA	3837N	12252W	108	1	1931-2001	
043914	HENSHAW DAM, CA	3314N	11646W	2,700	6	1948-2001	
043939	HETCH HETCHY, CA	3758N	11947W	3,870	5	1931-2001	
044176	HUNTINGTON LAKE, CA	3714N	11913W	7,020	5	1948-2001	
044211	IDYLLWILD FIRE DEPT, CA	3345N	11642W	5,380	6	1948-2001	
044223	IMPERIAL, CA	3251N	11534W	-64	7	1948-2001	
044232	INDEPENDENCE, CA	3648N	11812W	3,950	7	1927-2001	
044259	INDIO FIRE STATION, CA	3343N	11613W	-21	7	1927-2001	
044278	INYOKERN, CA	3539N	11749W	2,440	7	1948-2001	
044297	IRON MOUNTAIN, CA	3409N	11507W	922	7	1948-2001	
044374	JESS VALLEY, CA	4116N	12018W	5,400	2	1948-2001	
044500	KENTFIELD, CA	3757N	12234W	128	1	1948-2001	
044523	KERN RIVER PH 3, CA	3547N	11826W	2,703	5	1948-2001	
044555	KING CITY, CA	3612N	12107W	320	4	1927-2001	
044577	KLAMATH, CA	4131N	12402W	25	1	1948-2001	
044647	LAGUNA BEACH, CA	3333N	11747W	35	6	1928-2001	
044671	LAKE ARROWHEAD, CA	3415N	11711W	5,205	7	1948-2001	
044701	LAKEPORT, CA	3902N	12255W	1,315	2	1941-2001	
044713	LAKE SPAULDING, CA	3919N	12038W	5,155	2	1948-2001	

044735	LA MESA, CA	3246N	11701W	530	6	1948-2001	
044838	LAVA BEDS NAT MONUMENT, CA	4144N	12130W	4,770	1	1959-2001	
044890	LEMON COVE, CA	3623N	11902W	513	5	1948-2001	
044957	LINDSAY, CA	3612N	11903W	420	5	1948-2001	
044997	LIVERMORE, CA	3742N	12147W	480	4	1930-2001	
045026	LODGEPOLE, CA	3636N	11844W	6,735	5	1968-2001	
045032	LODI, CA	3806N	12117W	40	5	1948-2001	
045064	LOMPOC, CA	3439N	12027W	95	6	1950-2001	
045085	LONG BEACH AP, CA	3349N	11809W	25	6	1958-2001	LGB
045107	LOS ALAMOS, CA	3445N	12017W	565	6	1948-2001	
045114	LOS ANGELES INTL AP, CA	3356N	11824W	100	6	1944-2001	LAX
045115	LOS ANGELES DOWNTOWN USC, CA	3402N	11818W	185	6	1948-2001	CQT
045118	LOS BANOS, CA	3703N	12052W	120	5	1948-2001	
045120	LOS BANOS DET RESV, CA	3659N	12056W	407	5	1968-2001	
045123	LOS GATOS, CA	3714N	12158W	365	4	1948-2001	
045233	MADERA, CA	3657N	12002W	270	5	1948-2001	
045311	MANZANITA LAKE, CA	4033N	12135W	5,750	2	1949-2001	
045360	MARKLEY COVE, CA	3830N	12208W	480	2	1970-2001	
045378	MARTINEZ WATER PLANT, CA	3801N	12207W	40	4	1970-2001	
045385	MARYSVILLE, CA	3909N	12135W	57	2	1948-2001	
045449	MC CLOUD, CA	4115N	12208W	3,280	2	1948-2001	
045502	MECCA FIRE STATION, CA	3334N	11605W	-,180	7	1948-2001	
045532	MERCED, CA	3717N	12031W	153	5	1948-2001	
045679	MINERAL, CA	4021N	12137W	4,874	2	1948-2001	
045721	MITCHELL CAVERNS, CA	3457N	11533W	4,350	7	1958-2001	
045738	MODESTO CITY-COUNTY AP, CA	3737N	12057W	73	5	1931-2001	MOD
045756	MOJAVE, CA	3503N	11810W	2,735	7	1948-2001	
045795	MONTEREY, CA	3635N	12155W	385	4	1949-2001	
045866	MORRO BAY FIRE DEPT, CA	3522N	12051W	115	4	1959-2001	
045890	MOUNTAIN PASS, CA	3528N	11533W	4,730	7	1955-2001	
045915	MOUNT DIABLO JUNCTION, CA	3753N	12156W	2,170	4	1952-2001	
045933	MOUNT HAMILTON, CA	3721N	12139W	4,206	4	1948-2001	
045941	MOUNT HEBRON RNG STN, CA	4147N	12202W	4,250	1	1948-2001	
045983	MOUNT SHASTA, CA	4119N	12218W	3,590	2	1948-2001	MHS
046006	MT WILSON NO 2, CA	3414N	11804W	5,709	6	1948-2001	MWS
046074	NAPA STATE HOSPITAL, CA	3817N	12216W	35	1	1917-2001	
046118	NEEDLES AP, CA	3446N	11437W	887	7	1948-2001	EED

046136	NEVADA CITY, CA	3915N	12100W	2,781	2	1931-2001	
046144	NEWARK (OAKLAND), CA	3731N	12202W	10	4	1948-2001	
046168	NEWMAN, CA	3719N	12101W	90	5	1948-2001	
046175	NEWPORT BEACH HARBOR, CA	3336N	11753W	10	6	1934-2001	3L3
046252	NORTH FORK R S, CA	3714N	11930W	2,630	5	1948-2001	
046336	OAKLAND MUSEUM, CA	3748N	12216W	30	4	1970-2001	
046377	OCEANSIDE MARINA, CA	3313N	11724W	10	6	1953-2001	L34
046399	OJAI, CA	3427N	11914W	750	6	1948-2001	
046498	ORICK PRAIRIE CREEK PARK, CA	4122N	12401W	160	1	1948-2001	
046506	ORLAND, CA	3945N	12212W	254	2	1948-2001	
046508	ORLEANS, CA	4118N	12332W	400	1	1948-2001	
046521	OROVILLE, CA	3931N	12133W	171	2	1953-2001	
046569	OXNARD (CAMARILLO), CA	3412N	11911W	49	6	1948-2001	
046624	PALMDALE (LANCASTER), CA	3435N	11806W	2,596	7	1931-2001	
046635	PALM SPRINGS, CA	3350N	11631W	425	7	1927-2001	
046646	PALO ALTO, CA	3727N	12208W	25	4	1953-2001	
046657	PALOMAR MOUNTAIN OBS, CA	3323N	11650W	5,550	6	1948-2001	
046685	PARADISE, CA	3945N	12137W	1,750	2	1957-2001	
046699	PARKER RESERVOIR, CA	3417N	11410W	738	7	1943-2001	
046719	PASADENA, CA	3409N	11809W	864	6	1927-2001	
046730	PASO ROBLES, CA	3537N	12041W	700	4	1901-2001	
046742	PASO ROBLES MUNICIPAL AP, CA	3540N	12038W	810	4	1948-2001	PRB
046826	PETALUMA FIRE STA 2, CA	3816N	12239W	31	1	1948-2001	
046926	PINNACLES NATL MONUMENT, CA	3629N	12111W	1,307	4	1948-2001	
046943	PISMO BEACH, CA	3510N	12041W	39	4	1949-2001	
046960	PLACERVILLE, CA	3842N	12049W	1,850	2	1948-2001	
047050	POMONA FAIRPLEX, CA	3405N	11746W	1,040	6	1927-2001	
047077	PORTERVILLE, CA	3604N	11901W	393	5	1948-2001	
047085	PORTOLA, CA	3948N	12028W	4,850	2	1948-2001	
047109	POTTER VALLEY P H, CA	3922N	12308W	1,015	1	1948-2001	
047150	PRIEST VALLEY, CA	3611N	12042W	2,300	4	1948-2001	
047195	QUINCY, CA	3956N	12057W	3,420	2	1948-2001	
047253	RANDBURG, CA	3522N	11739W	3,570	7	1948-2001	
047292	RED BLUFF AP, CA	4009N	12215W	349	2	1933-2001	RBL
047306	REDLANDS, CA	3403N	11711W	1,318	6	1927-2001	
047339	REDWOOD CITY, CA	3729N	12214W	31	4	1948-2001	
047404	RICHARDSON GR ST PK, CA	4002N	12348W	500	1	1961-2001	

047414	RICHMOND, CA	3737N	12222W	20	4	1950-2001	
047470	RIVERSIDE FIRE STA 3, CA	3357N	11723W	840	6	1927-2001	
047473	RIVERSIDE CITRUS EXP STN, CA	3358N	11721W	986	6	1948-2001	
047630	SACRAMENTO AP, CA	3830N	12130W	15	2	1941-2001	SAC
047633	SACRAMENTO 5 ESE, CA	3833N	12125W	38	2	1877-2001	
047641	SAGEHEN CREEK, CA	3926N	12014W	6,337	3	1953-2001	
047643	SAINT HELENA, CA	3830N	12228W	225	1	1931-2001	
047668	SALINAS NO 2, CA	3640N	12140W	45	4	1958-2001	
047669	SALINAS AP, CA	3640N	12136W	74	4	1878-2001	SNS
047723	SAN BERNARDINO F S 226, CA	3408N	11715W	1,140	6	1927-2001	
047735	SANDBERG, CA	3445N	11843W	4,510	6	1948-2001	SDB
047740	SAN DIEGO LINDBERGH AP, CA	3244N	11710W	13	6	1927-2001	SAN
047767	SAN FRANCISCO OCEANSIDE, CA	3744N	12230W	8	4	1948-2001	
047769	SAN FRANCISCO INTL AP, CA	3737N	12224W	8	4	1948-2001	SFO
047772	SAN FRANCISCO DOWNTOWN, CA	3746N	12226W	175	4	1948-2001	7772
047785	SAN GABRIEL FIRE DEPT, CA	3406N	11806W	450	6	1939-2001	
047807	SAN GREGORIO 2 SE, CA	3718N	12222W	275	4	1954-2001	
047821	SAN JOSE, CA	3722N	12154W	67	4	1948-2001	
047846	SAN LUIS DAM, CA	3703N	12103W	277	5	1963-2001	
047851	SAN LUIS OBISPO POLYTECH, CA	3518N	12040W	315	4	1948-2001	
047880	SAN RAFAEL CIVIC CENTER, CA	3800N	12232W	120	1	1948-2001	
047888	SANTA ANA FIRE STATION, CA	3345N	11752W	135	6	1948-2001	
047902	SANTA BARBARA, CA	3425N	11941W	5	6	1927-2001	
047905	SANTA BARBARA MNCPL AP, CA	3426N	11951W	9	6	1941-2001	SBA
047916	SANTA CRUZ, CA	3659N	12159W	130	4	1948-2001	
047946	SANTA MARIA AP, CA	3455N	12028W	254	6	1948-2001	SMX
047953	SANTA MONICA PIER, CA	3400N	11830W	14	6	1948-2001	1L2
047957	SANTA PAULA, CA	3419N	11908W	237	6	1948-2001	
047965	SANTA ROSA, CA	3827N	12243W	167	1	1931-2001	
048045	SCOTIA, CA	4029N	12406W	133	1	1931-2001	
048135	SHASTA DAM, CA	4043N	12225W	1,075	2	1948-2001	
048207	SIERRA CITY, CA	3934N	12037W	4,240	2	1948-2000	
048218	SIERRAVILLE R S, CA	3935N	12022W	4,975	2	1948-2001	
048351	SONOMA, CA	3818N	12228W	97	1	1952-2001	
048353	SONORA RS, CA	3758N	12023W	1,675	5	1931-2001	
048380	SOUTH ENTR YOSEMITE NP, CA	3730N	11939W	5,120	5	1948-2001	
048558	STOCKTON AP, CA	3754N	12114W	22	5	1948-2001	SCK

048560	STOCKTON FIRE STN # 4, CA	3800N	12119W	12	5	1948-2001	
048587	STONY GORGE RESERVOIR, CA	3935N	12232W	800	2	1948-2001	
048606	STRAWBERRY VALLEY, CA	3934N	12106W	3,808	2	1948-2001	
048702	SUSANVILLE 2 SW, CA	4025N	12040W	4,184	3	1931-2001	
048758	TAHOE CITY, CA	3910N	12009W	6,230	3	1931-2001	
048762	TAHOE VALLEY AP, CA	3854N	12000W	6,254	3	1968-2000	TVL
048839	TEJON RANCHO, CA	3501N	11845W	1,425	5	1948-2001	
048892	THERMAL RGNL AP, CA	3338N	11610W	-,112	7	1950-2001	TRM
048917	THREE RIVERS EDISON PH 1, CA	3628N	11852W	1,140	5	1948-2001	
048973	TORRANCE, CA	3348N	11820W	110	6	1949-2001	TOA
048999	TRACY CARBONA, CA	3742N	12126W	140	5	1949-2001	
049001	TRACY PUMPING PLANT, CA	3748N	12135W	61	5	1955-2001	
049035	TRONA, CA	3546N	11723W	1,695	7	1948-2001	
049043	TRUCKEE RS, CA	3920N	12011W	6,020	3	1948-2001	
049053	TULELAKE, CA	4157N	12128W	4,035	1	1932-2001	
049087	TUSTIN IRVINE RANCH, CA	3342N	11745W	235	6	1927-2001	
049099	TWENTYNINE PALMS, CA	3408N	11602W	1,975	7	1948-2001	
049105	TWIN LAKES, CA	3843N	12002W	8,000	2	1948-2000	
049111	TWITCHELL DAM, CA	3459N	12019W	582	6	1962-2001	
049122	UKIAH, CA	3909N	12313W	633	1	1906-2001	
049152	U C L A, CA	3404N	11827W	430	6	1948-2001	
049200	VACAVILLE, CA	3824N	12158W	110	2	1948-2001	
049325	VICTORVILLE PUMP PLANT, CA	3432N	11718W	2,858	7	1948-2001	
049367	VISALIA, CA	3620N	11918W	325	5	1927-2001	
049378	VISTA 2 NNE, CA	3314N	11714W	510	6	1957-2001	
049452	WASCO, CA	3536N	11921W	345	5	1948-2001	
049473	WATSONVILLE WATERWORKS, CA	3656N	12146W	95	4	1948-2001	
049490	WEAVERVILLE, CA	4044N	12256W	2,040	1	1948-2001	
049621	WHISKEYTOWN RESERVOIR, CA	4037N	12232W	1,295	2	1960-2001	
049671	WILDROSE R S, CA	3616N	11711W	4,100	7	1969-2000	
049684	WILLITS 1 NE, CA	3925N	12321W	1,350	1	1960-2001	
049694	WILLOW CREEK 1 NW, CA	4057N	12338W	461	1	1968-2001	
049699	WILLOWS 6 W, CA	3931N	12218W	233	2	1948-2001	
049742	WINTERS, CA	3831N	12158W	135	2	1948-2001	
049781	WOODLAND 1 WNW, CA	3841N	12148W	69	2	1948-2001	
049855	YOSEMITE PARK HDQTRS, CA	3745N	11935W	3,966	5	1948-2001	
049866	YREKA SISKIYOU CO, CA	4142N	12238W	2,625	1	1948-2001	

050109	AKRON 4 E, CO	4009N	10309W	4,540	3	1918-2001	
050130	ALAMOSA BERGMAN FIELD, CO	3726N	10552W	7,533	5	1948-2001	ALS
050214	ALTENBERN, CO	3930N	10823W	5,678	2	1948-2001	
050263	ANTERO RESERVOIR, CO	3900N	10554W	8,920	4	1961-2001	
050454	BAILEY, CO	3924N	10529W	7,730	4	1948-2001	
050776	BLANCA, CO	3726N	10531W	7,750	5	1948-2001	
050797	BLUE MESA LAKE, CO	3828N	10710W	7,600	2	1967-2001	
050834	BONNY DAM 2 NE, CO	3939N	10207W	3,717	3	1949-2001	
050848	BOULDER, CO	4000N	10516W	5,484	4	1948-2001	
050945	BRIGGSDALE, CO	4039N	10420W	4,834	4	1948-2001	
051071	BUENA VISTA 2 S, CO	3849N	10608W	7,946	1	1948-2001	
051121	BURLINGTON 4 S, CO	3915N	10217W	4,210	3	1918-2001	
051179	BYERS 5 ENE, CO	3944N	10408W	5,100	4	1948-2001	
051186	CABIN CREEK, CO	3939N	10542W	10,020	4	1968-2001	
051268	CAMPO 7 S, CO	3701N	10233W	4,118	1	1954-2001	
051294	CANON CITY, CO	3827N	10514W	5,330	1	1948-2001	
051401	CASTLE ROCK, CO	3922N	10450W	6,352	4	1948-2001	
051458	CENTER 4 SSW, CO	3742N	10609W	7,673	5	1948-2001	
051528	CHEESMAN, CO	3913N	10517W	6,880	4	1948-2001	
051547	CHERRY CREEK DAM, CO	3938N	10450W	5,647	4	1951-2001	
051564	CHEYENNE WELLS, CO	3849N	10222W	4,250	3	1918-2001	
051609	CIMARRON, CO	3827N	10734W	6,896	2	1951-2001	
051660	CLIMAX, CO	3923N	10612W	11,320	2	1949-2001	
051713	COCHETOPA CREEK, CO	3827N	10646W	8,000	2	1948-2001	
051772	COLORADO NATL MONUMENT, CO	3906N	10844W	5,780	2	1948-2001	
051778	COLORADO SPRINGS MNPL AP, CO	3849N	10443W	6,140	1	1948-2001	COS
051886	CORTEZ, CO	3721N	10836W	6,153	2	1929-2001	
051959	CRESTED BUTTE, CO	3855N	10657W	8,860	2	1909-2001	
052184	DEL NORTE 2 E, CO	3740N	10619W	7,870	5	1948-2001	
052220	DENVER STAPELTON, CO	3946N	10452W	5,286	4	1948-2001	DNR
052281	DILLON 1 E, CO	3938N	10602W	9,065	2	1909-2001	
052286	DINOSAUR NATL MONUMNT, CO	4015N	10858W	5,920	2	1965-2001	
052446	EADS, CO	3829N	10247W	4,211	1	1918-2001	
052790	EVERGREEN, CO	3938N	10519W	7,000	4	1961-2001	
052932	FLAGLER 1 S, CO	3917N	10304W	4,920	3	1949-2001	
053005	FORT COLLINS, CO	4035N	10505W	5,004	4	1900-2001	FCL
053016	FORT LEWIS, CO	3714N	10803W	7,600	2	1940-2001	

053038	FORT MORGAN, CO	4016N	10348W	4,332	4	1948-2001	
053146	FRUITA 1 W, CO	3910N	10845W	4,480	2	1948-2001	
053246	GATEWAY 1 SE, CO	3841N	10858W	4,550	2	1948-2001	
053261	GEORGETOWN, CO	3943N	10542W	8,520	4	1948-2001	
053359	GLENWOOD SPGS #2, CO	3932N	10719W	5,750	2	1900-2001	
053488	GRAND JUNCTION WALKER AP, CO	3908N	10832W	4,858	2	1900-2001	GJT
053489	GRAND JUNCTION 6 ESE, CO	3903N	10828W	4,760	2	1962-2001	
053496	GRAND LAKE 1 NW, CO	4016N	10550W	8,720	2	1948-2001	
053500	GRAND LAKE 6 SSW, CO	4011N	10552W	8,288	2	1948-2001	
053530	GRANT, CO	3928N	10541W	8,675	4	1963-2001	
053541	GREAT SAND DUNES N M, CO	3744N	10531W	8,120	5	1950-2001	
053553	GREELEY UNC, CO	4024N	10442W	4,715	4	1967-2001	
053592	GREEN MT DAM, CO	3953N	10620W	7,740	2	1948-2001	
053662	GUNNISON 3 SW, CO	3832N	10658W	7,640	2	1900-2001	
053867	HAYDEN, CO	4030N	10715W	6,440	2	1948-2001	
053951	HERMIT 7 ESE, CO	3746N	10707W	9,010	5	1948-2001	
054076	HOLLY, CO	3803N	10207W	3,390	1	1918-2001	
054082	HOLYOKE, CO	4035N	10218W	3,730	3	1948-2001	
054388	JOHN MARTIN DAM, CO	3804N	10256W	3,814	1	1941-2001	
054413	JULESBURG, CO	4059N	10216W	3,469	4	1918-2001	
054452	KASSLER, CO	3929N	10506W	5,501	4	1948-2001	
054603	KIT CARSON, CO	3846N	10247W	4,280	1	1948-2001	
054664	KREMMLING, CO	4003N	10623W	7,390	2	1948-2001	
054720	LA JUNTA 4 NNE, CO	3803N	10332W	4,203	1	1945-2001	LHX
054734	LAKE CITY, CO	3801N	10719W	8,670	2	1948-2001	
054742	LAKE GEORGE 8 SW, CO	3854N	10528W	8,520	4	1948-2001	
054762	LAKEWOOD, CO	3945N	10507W	5,640	4	1962-2001	
054770	LAMAR, CO	3806N	10238W	3,627	1	1918-2001	
054834	LAS ANIMAS, CO	3804N	10313W	3,890	1	1930-2001	
054945	LEROY 5 WSW, CO	4030N	10259W	4,470	3	1948-2001	
055116	LONGMONT 2 ESE, CO	4010N	10504W	4,950	4	1948-2001	
055322	MANASSA, CO	3710N	10556W	7,690	5	1948-2001	
055446	MAYBELL, CO	4031N	10806W	5,908	2	1958-2001	
055507	MEREDITH, CO	3922N	10645W	7,825	2	1963-2001	
055531	MESA VERDE NP, CO	3712N	10829W	7,115	2	1948-2001	
055706	MONTE VISTA 2 W, CO	3735N	10611W	7,650	5	1948-2001	
055722	MONTROSE NO 2, CO	3829N	10753W	5,785	2	1900-2001	



055922	NEW RAYMER, CO	4036N	10351W	4,783	4	1948-2001	
055970	NORTHDALE, CO	3749N	10901W	6,680	2	1948-2001	
056012	NORWOOD, CO	3808N	10817W	7,020	2	1948-2001	
056203	OURAY, CO	3801N	10740W	7,840	2	1948-2001	
056266	PALISADE, CO	3907N	10821W	4,810	2	1948-2001	
056306	PAONIA 1 SW, CO	3851N	10737W	5,580	2	1905-2001	
056740	PUEBLO AP, CO	3817N	10430W	4,684	1	1954-2001	PUB
056832	RANGELY 1 E, CO	4005N	10846W	5,290	2	1950-2001	
057017	RICO, CO	3743N	10802W	8,800	2	1948-2001	
057031	RIFLE, CO	3932N	10748W	5,450	2	1910-2001	
057167	ROCKY FORD 2 SE, CO	3802N	10342W	4,170	1	1918-2001	
057287	RUSH 1 N, CO	3852N	10406W	6,010	1	1924-2001	
057309	RUXTON PARK, CO	3851N	10458W	9,050	1	1959-2001	
057337	SAGUACHE, CO	3805N	10608W	7,692	5	1948-2001	
057370	SALIDA, CO	3832N	10601W	7,160	1	1948-2001	
057515	SEDGWICK 5 S, CO	4052N	10231W	3,990	4	1952-2001	
057656	SILVERTON, CO	3749N	10740W	9,272	2	1906-2001	
057848	SPICER, CO	4028N	10627W	8,385	4	1948-2001	
057866	SPRINGFIELD 7 WSW, CO	3722N	10245W	4,622	1	1956-2001	
057936	STEAMBOAT SPRINGS, CO	4030N	10652W	6,636	2	1908-2001	
057950	STERLING, CO	4037N	10313W	3,938	4	1948-2001	
058008	STRATTON, CO	3918N	10236W	4,403	3	1948-2001	
058064	SUGARLOAF RES (LEADVILL), CO	3915N	10622W	9,738	1	1948-2001	
058157	TACONY 10 SE, CO	3824N	10403W	4,960	1	1955-2001	
058184	TAYLOR PARK, CO	3849N	10637W	9,206	2	1948-2001	
058204	TELLURIDE 4 WNW, CO	3757N	10752W	8,672	2	1900-2001	
058429	TRINIDAD, CO	3711N	10429W	6,030	1	1948-2001	
058434	TRINIDAD AP, CO	3716N	10420W	5,746	1	1948-2001	TAD
058501	TWIN LAKES RES, CO	3906N	10621W	9,195	1	1949-2001	
058560	URAVAN, CO	3823N	10845W	5,010	2	1960-2001	
058582	VALLECITO DAM, CO	3723N	10735W	7,650	2	1948-2001	
058756	WALDEN, CO	4044N	10617W	8,120	4	1948-2001	
058781	WALSENBURG, CO	3739N	10446W	6,150	1	1948-2001	
058793	WALSH 1 W, CO	3723N	10218W	3,978	1	1951-2001	
058839	WATERDALE, CO	4026N	10513W	5,230	4	1948-2001	
058931	WESTCLIFFE, CO	3808N	10528W	7,860	1	1948-2001	
059181	WOLF CREEK PASS 1 E, CO	3728N	10647W	10,640	5	1957-2001	

059243	WRAY 2 E, CO	4005N	10211W	3,530	3	1918-2001	
059265	YAMPA, CO	4009N	10655W	7,890	2	1948-2001	
059275	YELLOW JACKET 2 W, CO	3731N	10845W	6,860	2	1962-2001	
059295	YUMA, CO	4007N	10243W	4,140	3	1948-2001	
060806	BRIDGEPORT SIKORSKY AP, CT	4110N	7308W	5	3	1948-2001	BDR
060973	BURLINGTON, CT	4148N	7256W	510	2	1937-2001	
061762	DANBURY, CT	4124N	7325W	405	2	1948-2001	
062658	FALLS VILLAGE, CT	4157N	7322W	550	1	1948-2001	
063207	GROTON, CT	4121N	7202W	40	3	1948-2001	
063456	HARTFORD BRADLEY INTL AP, CT	4156N	7241W	160	2	1954-2001	BDL
064488	MANSFIELD HOLLOW LAKE, CT	4145N	7211W	250	2	1952-2001	
065445	NORFOLK 2 SW, CT	4158N	7313W	1,340	1	1942-2001	
065910	NORWICH PUB UTIL PLANT, CT	4132N	7204W	20	2	1956-2001	
067373	SHEPAUG DAM, CT	4143N	7318W	840	1	1948-2001	
067970	STAMFORD 5 N, CT	4107N	7333W	190	3	1955-2001	
068138	STORRS, CT	4148N	7215W	650	2	1888-2001	
069388	WEST THOMPSON LAKE, CT	4157N	7154W	360	2	1965-2001	
072730	DOVER, DE	3909N	7531W	30	2	1948-2001	
075320	LEWES, DE	3846N	7508W	15	2	1948-2001	
075915	MILFORD 2 SE, DE	3854N	7526W	35	2	1948-2001	
076410	NEWARK UNIVERSITY FARM, DE	3940N	7544W	90	1	1948-2001	
079595	WILMINGTON NEW CASTLE AP, DE	3940N	7536W	74	1	1948-2001	ILG
080211	APALACHICOLA AP, FL	2944N	8501W	20	1	1931-2001	AAF
080228	ARCADIA, FL	2713N	8152W	30	4	1931-2001	
080236	ARCHBOLD BIO STATION, FL	2711N	8121W	140	4	1969-2001	
080369	AVON PARK 2 W, FL	2736N	8132W	154	4	1931-2001	
080478	BARTOW, FL	2754N	8151W	125	4	1931-2001	
080611	BELLE GLADE EXP STN, FL	2639N	8038W	15	5	1924-2001	
080945	BRADENTON 5 ESE, FL	2727N	8229W	20	4	1965-2001	
081046	BROOKSVILLE CHIN HILL, FL	2837N	8222W	240	3	1931-2001	
081163	BUSHNELL 2 E, FL	2840N	8205W	75	3	1944-2001	
081276	CANAL POINT USDA, FL	2652N	8038W	30	5	1953-2001	
081544	CHIPLEY 3 E, FL	3047N	8529W	130	1	1948-2001	
081641	CLERMONT 7 S, FL	2827N	8145W	110	3	1948-2001	
081654	CLEWISTON US ENGINEERS, FL	2645N	8055W	20	5	1948-2001	
081978	CRESCENT CITY, FL	2926N	8130W	55	2	1931-2001	
081986	CRESTVIEW BOB SIKES AP, FL	3047N	8631W	190	1	1948-2001	CEW

082008	CROSS CITY 2 WNW, FL	2939N	8310W	42	2	1948-2001	
082158	DAYTONA BEACH INTL AP, FL	2911N	8103W	31	3	1948-2001	DAB
082220	DE FUNIAK SPRINGS, FL	3044N	8604W	230	1	1931-2001	
082229	DELAND 1 SSE, FL	2901N	8119W	25	3	1931-2001	
082298	DEVILS GARDEN, FL	2636N	8108W	20	5	1956-2001	
082850	EVERGLADES, FL	2551N	8123W	5	5	1931-2001	
082915	FEDERAL POINT, FL	2945N	8132W	5	2	1931-2001	
082944	FERNANDINA BEACH, FL	3040N	8128W	13	2	1948-2001	
083020	FLAMINGO RANGER STN, FL	2509N	8055W	3	5	1962-2001	
083137	FORT DRUM 5 NW, FL	2735N	8051W	71	4	1948-2001	
083163	FORT LAUDERDALE, FL	2606N	8012W	16	6	1948-2001	
083186	FORT MYERS (PAGE AP), FL	2635N	8152W	15	5	1931-2001	FMY
083207	FORT PIERCE, FL	2728N	8021W	25	4	1931-2001	
083326	GAINESVILLE RGNL AP, FL	2942N	8217W	134	2	1960-2001	GNV
083470	GLEN ST MARY 1 W, FL	3016N	8211W	128	2	1931-2001	
083909	HIALEAH, FL	2550N	8017W	12	6	1948-2001	
083956	HIGH SPRINGS, FL	2950N	8236W	65	2	1948-2001	
084289	INVERNESS 3 SE, FL	2848N	8219W	40	3	1948-2001	
084358	JACKSONVILLE INTL AP, FL	3030N	8142W	26	2	1948-2001	JAX
084366	JACKSONVILLE BEACH, FL	3017N	8124W	10	2	1948-2001	
084394	JASPER, FL	3031N	8257W	147	2	1952-2001	
084570	KEY WEST INTL AP, FL	2433N	8145W	4	7	1948-2001	EYW
084625	KISSIMEE 2, FL	2817N	8125W	60	4	1948-2001	
084662	LA BELLE, FL	2645N	8126W	16	5	1948-2001	
084707	LAKE ALFRED EXP STN, FL	2806N	8143W	138	4	1905-2000	
084731	LAKE CITY 2 E, FL	3011N	8236W	195	2	1931-2001	
085076	LISBON, FL	2852N	8147W	68	3	1958-2001	
085099	LIVE OAK, FL	3017N	8258W	120	2	1952-2001	
085275	MADISON, FL	3027N	8325W	120	2	1931-2001	
085539	MAYO, FL	3003N	8310W	65	2	1949-2001	
085612	MELBOURNE WFO, FL	2806N	8039W	25	4	1948-2001	MLB
085658	MIAMI BEACH, FL	2547N	8008W	5	6	1948-2000	
085663	MIAMI INTL AP, FL	2549N	8018W	35	6	1948-2001	MIA
085793	MILTON EXPERIMENT STN, FL	3047N	8708W	217	1	1948-2001	
085879	MONTICELLO 3 W, FL	3032N	8355W	145	1	1948-2001	
085895	MOORE HAVEN LOCK 1, FL	2650N	8105W	35	5	1930-2001	
085973	MOUNTAIN LAKE, FL	2756N	8136W	125	4	1948-2001	

086065	MYAKKA RIVER STATE PARK, FL	2714N	8219W	20	4	1948-2001	
086078	NAPLES, FL	2610N	8147W	5	5	1948-2001	
086240	NICEVILLE, FL	3032N	8630W	60	1	1948-2001	
086414	OCALA, FL	2912N	8205W	75	3	1948-2001	
086485	OKEECHOBEE, FL	2712N	8050W	21	4	1948-2001	
086753	PALATKA, FL	2939N	8140W	70	2	1948-2001	
086880	PARRISH, FL	2737N	8221W	60	4	1948-2001	
086997	PENSACOLA RGNL AP, FL	3029N	8711W	112	1	1948-2001	PNS
087025	PERRY, FL	3006N	8334W	45	2	1948-2001	
087205	PLANT CITY, FL	2801N	8208W	120	4	1931-2001	
087254	POMPANO BEACH, FL	2614N	8009W	15	6	1948-2001	
087397	PUNTA GORDA 4 ESE, FL	2655N	8200W	20	5	1965-2001	
087429	QUINCY 3 SSW, FL	3036N	8433W	245	1	1968-2001	
087760	ROYAL PALM RANGER STN, FL	2523N	8036W	7	6	1949-2001	
087851	SAINT LEO, FL	2820N	8216W	190	3	1931-2001	
087886	ST PETERSBURG, FL	2746N	8238W	8	4	1948-2001	SPG
087982	SANFORD ORLANDO, FL	2848N	8116W	12	3	1956-2001	
088565	STEINHATCHEE 6 ENE, FL	2943N	8318W	35	2	1958-2001	
088620	STUART 1 S, FL	2711N	8014W	10	6	1948-2001	
088758	TALLAHASSEE MUNICIPAL AP, FL	3024N	8421W	55	1	1948-2001	TLH
088780	TAMIAMI TRAIL 40 MI BEND, FL	2546N	8049W	15	5	1948-2001	
088788	TAMPA INTL AP, FL	2758N	8232W	19	4	1900-2001	TPA
088824	TARPON SPRINGS SWG PLNT, FL	2809N	8245W	8	4	1948-2001	
088841	TAVERNIER, FL	2500N	8031W	7	7	1948-2001	
088942	TITUSVILLE, FL	2838N	8050W	5	3	1931-2001	
089120	USHER TOWER, FL	2925N	8249W	33	2	1956-2001	
089176	VENICE, FL	2706N	8226W	8	4	1948-2001	
089214	VERO BEACH MUNI ARPT, FL	2739N	8025W	24	4	1948-2001	VRB
089219	VERO BEACH 4 W, FL	2741N	8026W	20	4	1965-2001	
089401	WAUCHULA, FL	2733N	8148W	60	4	1948-2001	
089430	WEEKI WACHEE, FL	2831N	8235W	20	3	1969-2001	
089525	WEST PALM BEACH INTL AP, FL	2641N	8006W	18	6	1948-2001	PBI
089566	WEWAHITCHKA, FL	3007N	8512W	42	1	1956-2001	
089707	WINTER HAVEN, FL	2801N	8144W	145	4	1948-2001	
090140	ALBANY 3 SE, GA	3132N	8408W	180	7	1892-2001	
090181	ALLATOONA DAM 2, GA	3410N	8444W	975	1	1952-2001	
090211	ALMA BACON COUNTY AP, GA	3132N	8230W	206	9	1948-2001	AMG

090253	AMERICUS 3 SW, GA	3203N	8417W	490	7	1930-2001	
090311	APPLING 2 NW, GA	3334N	8220W	370	6	1961-2001	
090406	ASHBURN 3 ENE, GA	3143N	8337W	435	8	1957-2001	
090435	ATHENS BEN EPPS AP, GA	3357N	8320W	800	2	1948-2001	AHN
090451	ATLANTA HARTSFIELD AP, GA	3338N	8426W	1,010	2	1930-2001	ATL
090495	AUGUSTA BUSH FIELD AP, GA	3322N	8158W	132	6	1948-2001	AGS
090969	BLAIRSVILLE EXP STA, GA	3451N	8357W	1,917	2	1931-2001	
091266	BROOKLET 1 W, GA	3223N	8140W	180	6	1930-2001	
091340	BRUNSWICK, GA	3110N	8130W	13	9	1930-2001	
091345	BRUNSWICK MCKINNON AP, GA	3109N	8123W	16	9	1948-2001	SSI
091500	CAMILLA 3 SE, GA	3111N	8412W	175	7	1948-2001	
091640	CARROLLTON, GA	3336N	8505W	995	4	1948-2001	
091665	CARTERSVILLE, GA	3414N	8447W	720	1	1948-2001	
091732	CEDARTOWN 3 NE, GA	3403N	8515W	785	1	1948-2001	
091982	CLAYTON 1 SSW, GA	3452N	8324W	1,880	3	1927-2001	
092153	COLQUITT 2 W, GA	3110N	8446W	153	7	1956-2001	
092166	COLUMBUS METRO AP, GA	3231N	8457W	392	4	1948-2001	CSG
092180	COMMERCE 4 NNW, GA	3416N	8329W	750	2	1957-2000	
092266	CORDELE, GA	3159N	8347W	308	8	1948-2001	
092283	CORNELIA, GA	3431N	8332W	1,470	3	1948-2001	
092318	COVINGTON, GA	3336N	8355W	690	5	1948-2001	
092450	CUTHBERT, GA	3146N	8447W	461	7	1948-2001	
092475	DAHLONEGA 1 W, GA	3432N	8400W	1,260	2	1930-2000	
092485	DALLAS 7 NE, GA	3359N	8445W	1,100	1	1948-2001	
092493	DALTON, GA	3445N	8457W	700	1	1948-2001	
092783	DOUGLAS, GA	3131N	8251W	225	8	1948-2001	
092839	DUBLIN, GA	3233N	8254W	230	5	1930-2001	
092966	EASTMAN 1 W, GA	3212N	8312W	400	5	1948-2001	
093060	ELBERTON 2 N, GA	3409N	8251W	540	3	1952-2001	
093271	EXPERIMENT, GA	3316N	8417W	925	4	1926-2001	
093386	FITZGERALD, GA	3143N	8315W	370	8	1948-2001	
093465	FOLKSTON 9 SW, GA	3044N	8208W	120	9	1948-2001	
093506	FORSYTH 6 NNW, GA	3308N	8359W	600	5	1954-2001	
093538	FORT STEWART, GA	3152N	8138W	92	9	1964-2001	
093621	GAINESVILLE, GA	3418N	8352W	1,170	2	1930-2001	
093754	GLENNVILLE, GA	3156N	8156W	170	9	1930-2001	
093915	GREENVILLE, GA	3302N	8444W	960	4	1957-2001	

094133	HARTWELL, GA	3421N	8256W	690	3	1930-2001	
094170	HAWKINSVILLE, GA	3217N	8328W	272	5	1930-2001	
094230	HELEN, GA	3443N	8343W	1,440	2	1956-2001	
094429	HOMERVILLE 5 N, GA	3105N	8248W	187	8	1956-2001	
094594	IRWINTON 4 WNW, GA	3250N	8314W	515	5	1956-2001	
094648	JASPER 1 NNW, GA	3430N	8428W	1,465	2	1948-2001	
094676	JESUP 8 S, GA	3130N	8152W	100	9	1956-2001	
094941	LAFAYETTE 5 SW, GA	3439N	8522W	800	1	1948-2001	
094949	LA GRANGE, GA	3304N	8502W	715	4	1948-2001	
095314	LOUISVILLE 1 E, GA	3301N	8223W	322	6	1948-2001	
095394	LUMPKIN 2 SE, GA	3202N	8447W	570	7	1948-2001	
095443	MACON MIDDLE GA RGNL AP, GA	3241N	8339W	354	5	1948-2001	MCN
095863	MIDVILLE EXP STA, GA	3253N	8213W	280	6	1957-2001	
095874	MILLEDGEVILLE, GA	3305N	8315W	400	5	1948-2001	
095988	MONTICELLO, GA	3319N	8342W	530	5	1948-2001	
096087	MOULTRIE 2 ESE, GA	3110N	8345W	340	8	1926-2001	
096219	NAHUNTA 3 E, GA	3113N	8156W	78	9	1956-2001	
096323	NEWINGTON, GA	3236N	8130W	209	6	1956-2001	
096335	NEWNAN 4 NE, GA	3327N	8447W	920	4	1948-2001	
097087	PLAINS SW GA EXP STN, GA	3203N	8422W	500	7	1956-2001	
097276	QUITMAN 2 NW, GA	3048N	8335W	185	8	1894-2001	
097600	ROME, GA	3415N	8509W	615	1	1930-2001	
097777	SANDERSVILLE, GA	3258N	8248W	435	5	1955-2001	
097808	SAPELO ISLAND, GA	3124N	8117W	10	9	1957-2001	
097847	SAVANNAH MUNICIPAL AP, GA	3207N	8112W	46	9	1948-2001	SAV
098064	SILOAM 3 N, GA	3337N	8305W	690	5	1960-2001	
098476	SURRENCY 2 WNW, GA	3144N	8214W	200	9	1956-2001	
098496	SWAINSBORO, GA	3235N	8223W	320	6	1948-2000	
098535	TALBOTTON, GA	3241N	8431W	686	4	1930-2001	
098661	THOMASTON 2 S, GA	3252N	8419W	672	4	1955-2001	
098666	THOMASVILLE 3 NE, GA	3053N	8356W	260	7	1892-2001	
098703	TIFTON EXP STA, GA	3130N	8332W	380	8	1922-2001	
098740	TOCCOA, GA	3434N	8320W	1,012	3	1930-2001	
098950	U OF GA PLANT SCI FARM, GA	3352N	8332W	840	2	1971-2001	
099141	WARRENTON, GA	3324N	8238W	490	6	1930-2001	
099157	WASHINGTON 2 ESE, GA	3343N	8244W	620	3	1948-2001	
099186	WAYCROSS 4 NE, GA	3115N	8219W	145	9	1930-2001	

099194	WAYNESBORO 2 NE, GA	3306N	8159W	270	6	1948-2001	
099291	WEST POINT, GA	3252N	8511W	575	4	1930-2001	
099466	WINDER 1 SSE, GA	3359N	8343W	960	2	1948-2001	
100010	ABERDEEN EXPERIMNT STN, ID	4257N	11250W	4,405	9	1914-2001	
100227	AMERICAN FALLS 3 NW, ID	4247N	11255W	4,405	9	1948-2001	
100282	ANDERSON DAM, ID	4322N	11527W	3,882	4	1948-2000	
100347	ARBON 2 NW, ID	4230N	11235W	5,210	10	1962-2001	
100375	ARCO, ID	4338N	11318W	5,325	9	1948-2001	
100448	ARROWROCK DAM, ID	4337N	11555W	3,275	4	1916-2001	
100470	ASHTON, ID	4404N	11127W	5,212	9	1948-2001	
100528	AVERY RS #2, ID	4715N	11556W	2,390	4	1968-2001	
100667	BAYVIEW MODEL BASIN, ID	4759N	11634W	2,075	1	1948-2001	
100915	BLACKFOOT 1 SE, ID	4311N	11219W	4,498	9	1948-2001	
101002	BLISS 4 NW, ID	4257N	11501W	3,275	7	1931-2000	
101018	BOISE LUCKY PEAK DAM, ID	4332N	11603W	2,840	5	1951-2001	
101022	BOISE AIR TERMINAL, ID	4334N	11614W	2,814	5	1940-2001	BOI
101079	BONNERS FERRY, ID	4842N	11619W	1,770	1	1907-2001	
101180	BROWNEE DAM, ID	4450N	11652W	1,844	4	1966-2001	
101195	BRUNEAU, ID	4253N	11548W	2,530	5	1962-2001	
101303	BURLEY MUNICIPAL AP, ID	4233N	11346W	4,157	7	1948-2001	BYI
101363	CABINET GORGE, ID	4805N	11604W	2,260	1	1956-2001	
101408	CAMBRIDGE, ID	4434N	11641W	2,650	5	1931-2001	
101514	CASCADE 1 NW, ID	4431N	11603W	4,896	4	1948-2001	
101551	CASTLEFORD 2 N, ID	4233N	11452W	3,825	7	1963-2001	
101671	CHILLY BARTON FLAT, ID	4359N	11350W	6,260	8	1948-2001	
101956	COEUR D'ALENE, ID	4741N	11648W	2,133	1	1895-2001	
102187	COUNCIL, ID	4444N	11626W	2,950	5	1948-2001	
102260	CRATERS OF THE MOON, ID	4328N	11333W	5,897	9	1958-2001	
102444	DEER FLAT DAM, ID	4335N	11645W	2,510	5	1916-2001	
102575	DIXIE, ID	4533N	11528W	5,620	4	1952-2001	
102676	DRIGGS, ID	4344N	11107W	6,286	10	1930-2001	
102707	DUBOIS EXPERIMENT STN, ID	4415N	11212W	5,450	9	1925-2001	
102845	DWORSHAK FISH HATCHERY, ID	4630N	11619W	995	3	1966-2001	
102875	ELK CITY 1 NE, ID	4550N	11527W	4,058	4	1950-2001	
102892	ELK RIVER 1 S, ID	4646N	11611W	2,918	4	1952-2001	
102942	EMMETT 2 E, ID	4351N	11628W	2,390	5	1948-2001	
103108	FAIRFIELD RANGER STN, ID	4321N	11447W	5,065	4	1948-2001	

103143	FENN RANGER STN (LOWELL), ID	4606N	11533W	1,590	3	1948-2001	
103297	FORT HALL 1 NNE, ID	4303N	11225W	4,465	9	1948-2001	
103448	GARDEN VALLEY, ID	4406N	11558W	3,100	4	1948-2001	
103554	GIBBONSVILLE, ID	4534N	11356W	4,480	8	1963-2001	
103631	GLENNS FERRY, ID	4257N	11519W	2,510	5	1948-2001	
103732	GRACE, ID	4235N	11145W	5,550	10	1931-2001	
103760	GRAND VIEW 4 NW, ID	4301N	11611W	2,400	5	1933-2001	
103771	GRANGEVILLE, ID	4556N	11607W	3,360	2	1948-2001	S80
103882	GROUSE, ID	4342N	11336W	6,137	4	1948-2001	
103964	HAMER 4 NW, ID	4358N	11216W	4,790	9	1948-2001	
104140	HAZELTON, ID	4236N	11408W	4,060	7	1948-2001	
104150	HEADQUARTERS, ID	4638N	11549W	3,165	4	1959-2001	
104268	HILL CITY 1 W, ID	4318N	11504W	5,100	4	1931-2001	
104295	HOLLISTER, ID	4221N	11435W	4,525	6	1948-2001	
104384	HOWE, ID	4348N	11300W	4,820	9	1948-2001	
104442	IDAHO CITY, ID	4350N	11550W	3,965	4	1931-2001	
104455	IDAHO FALLS 2 ESE, ID	4329N	11201W	4,765	9	1952-2001	
104456	IDAHO FALLS 16 SE, ID	4321N	11147W	5,850	10	1955-2001	
104460	IDAHO FALLS 46 W, ID	4332N	11257W	4,938	9	1954-2001	
104598	ISLAND PARK, ID	4425N	11122W	6,290	10	1937-2001	
104670	JEROME, ID	4244N	11431W	3,740	7	1919-2001	
104831	KELLOGG, ID	4732N	11608W	2,320	4	1905-2001	
105177	LEADORE NO 2, ID	4441N	11322W	6,000	8	1965-2001	
105241	LEWISTON AP, ID	4622N	11701W	1,436	3	1948-2001	LWS
105275	LIFTON PUMPING STN, ID	4207N	11119W	5,926	10	1935-2001	
105414	LOWMAN, ID	4405N	11537W	3,920	4	1948-2001	
105462	MACKAY LOST RIVER RS, ID	4355N	11338W	5,897	8	1931-2001	
105559	MALAD CITY AP, ID	4209N	11217W	4,470	10	1948-2001	MLD
105563	MALTA 4 ESE, ID	4218N	11318W	4,590	9	1963-2001	
105685	MAY 2 SSE, ID	4434N	11354W	5,050	8	1948-2001	
105708	MCCALL, ID	4453N	11606W	5,025	4	1930-2001	
105716	MCCAMMON, ID	4239N	11212W	4,774	10	1949-2001	
105897	MIDDLE FORK LODGE, ID	4443N	11501W	4,480	4	1971-2001	
105980	MINIDOKA DAM, ID	4241N	11330W	4,164	7	1947-2001	
106152	MOSCOW U OF I, ID	4643N	11658W	2,660	2	1893-2001	
106174	MOUNTAIN HOME, ID	4308N	11543W	3,140	5	1948-2001	
106388	NEW MEADOWS RANGER STN, ID	4458N	11617W	3,870	4	1948-2001	



106424	NEZPERCE, ID	4614N	11615W	3,240	2	1901-2001	
106542	OAKLEY, ID	4214N	11354W	4,560	10	1931-2001	
106844	PARMA EXPERIMENT STN, ID	4348N	11657W	2,290	5	1922-2001	
106877	PAUL 1 ENE, ID	4238N	11346W	4,150	7	1948-2001	
106891	PAYETTE, ID	4405N	11656W	2,150	5	1948-2001	
107040	PICABO, ID	4318N	11404W	4,830	7	1958-2001	
107046	PIERCE, ID	4630N	11548W	3,080	4	1963-2001	
107211	POCATELLO RGNL AP, ID	4255N	11234W	4,440	9	1939-2001	PIH
107264	PORTHILL, ID	4900N	11630W	1,775	1	1948-2001	
107301	POTLATCH 3 NNE, ID	4657N	11653W	2,600	2	1915-2001	
107320	POWELL, ID	4631N	11443W	3,530	4	1962-2001	
107346	PRESTON, ID	4205N	11152W	4,800	10	1964-2001	
107386	PRIEST RIVER EXP STN, ID	4821N	11650W	2,380	1	1911-2001	
107648	REYNOLDS, ID	4312N	11645W	3,930	6	1961-2001	
107673	RICHFIELD, ID	4303N	11409W	4,282	7	1948-2001	
107706	RIGGINS, ID	4525N	11619W	1,800	3	1940-2001	
107968	RUPERT 3 WSW, ID	4236N	11345W	4,200	7	1931-2001	
108022	SAINT ANTHONY 1 WNW, ID	4358N	11143W	4,950	9	1948-2001	
108062	SAINT MARIES 1 W, ID	4719N	11635W	2,320	1	1948-2001	S72
108080	SALMON KSRA, ID	4511N	11354W	3,931	8	1967-2001	27U
108137	SANDPOINT EXP STATION, ID	4818N	11633W	2,100	1	1910-2001	
108380	SHOSHONE 1 WNW, ID	4256N	11425W	3,950	7	1931-2001	
108395	SHOUP, ID	4523N	11417W	3,400	4	1966-2001	
108676	STANLEY, ID	4413N	11456W	6,271	4	1963-2001	
108928	SWAN FALLS P H, ID	4315N	11623W	2,325	5	1948-2001	
108937	SWAN VALLEY 2 E, ID	4327N	11118W	5,360	10	1960-2001	
109065	TETONIA EXPERIMENT STN, ID	4351N	11117W	6,170	10	1952-2001	
109303	TWIN FALLS 6 E, ID	4233N	11421W	3,960	7	1963-2001	
109498	WALLACE WOODLAND PARK, ID	4729N	11555W	2,940	4	1948-2001	
109560	WARREN, ID	4516N	11541W	5,907	4	1959-2001	
109638	WEISER, ID	4415N	11658W	2,120	5	1948-2001	
109846	WINCHESTER, ID	4614N	11637W	3,950	2	1965-2001	
109951	YELLOW PINE 7 S, ID	4451N	11531W	5,100	4	1970-2001	
110055	ALBION, IL	3824N	8804W	530	9	1948-2001	
110072	ALEDO, IL	4112N	9045W	720	1	1901-2001	
110137	ALTON MELVIN PRICE L&D, IL	3849N	9009W	430	6	1948-2001	
110187	ANNA 2 NNE, IL	3729N	8915W	640	8	1901-2001	

110203	ANTIOCH, IL	4229N	8806W	750	2	1948-2001	
110338	AURORA, IL	4146N	8819W	640	2	1901-2001	
110442	BARRINGTON 3 SW, IL	4207N	8810W	875	2	1962-2001	
110510	BELLEVILLE SIU RESEARCH, IL	3831N	8951W	450	8	1948-2001	
110608	BENTON 2 N, IL	3802N	8855W	450	9	1948-2001	
110993	BROOKPORT DAM 52, IL	3708N	8839W	330	9	1948-2001	
111160	CAHOKIA, IL	3834N	9012W	400	8	1969-2001	
111166	CAIRO 3 N, IL	3703N	8911W	310	8	1948-2001	
111265	CARBONDALE SEWAGE PLANT, IL	3745N	8910W	390	8	1910-2001	
111280	CARLINVILLE, IL	3917N	8953W	630	6	1901-2000	
111290	CARLYLE RESERVOIR, IL	3838N	8922W	501	8	1962-2001	
111436	CHARLESTON, IL	3928N	8811W	680	7	1901-2001	
111475	CHENOA, IL	4044N	8843W	710	4	1948-2001	
111549	CHICAGO OHARE INTL AP, IL	4159N	8755W	658	2	1958-2001	ORD
111577	CHICAGO MIDWAY AP 3 SW, IL	4144N	8747W	620	2	1928-2001	
112140	DANVILLE, IL	4008N	8739W	558	5	1901-2001	
112193	DECATUR, IL	3950N	8857W	620	4	1901-2001	
112223	DE KALB, IL	4156N	8847W	873	2	1966-2001	
112348	DIXON 1 NW, IL	4151N	8930W	700	1	1901-2001	
112353	DIXON SPRINGS AGR CENTER, IL	3726N	8840W	540	9	1967-2001	
112483	DU QUOIN 4 SE, IL	3759N	8912W	420	8	1901-2001	
112687	EFFINGHAM, IL	3907N	8837W	625	7	1901-2001	EFF
112931	FAIRFIELD RADIO WFIW, IL	3823N	8820W	430	9	1901-2001	
113109	FLORA 5 NW, IL	3843N	8835W	500	7	1901-2001	
113290	FULTON L&D #13, IL	4154N	9009W	592	1	1948-2001	
113320	GALESBURG, IL	4057N	9023W	771	3	1948-2001	
113335	GALVA, IL	4111N	9002W	810	1	1901-2001	
113384	GENESEO, IL	4127N	9009W	639	1	1948-2001	
113455	GLADSTONE DAM 18, IL	4053N	9101W	538	3	1948-2001	
113879	HARRISBURG, IL	3744N	8831W	365	9	1901-2001	
113940	HAVANA 4 NNE, IL	4021N	9001W	460	4	1948-2001	
114013	HENNEPIN POWER PLANT, IL	4118N	8919W	460	1	1962-2001	
114108	HILLSBORO, IL	3909N	8929W	630	6	1901-2001	
114198	HOOPESTON 1 NE, IL	4028N	8739W	710	5	1902-2001	
114442	JACKSONVILLE 2 E, IL	3944N	9013W	610	6	1901-2001	
114489	JERSEYVILLE 2 SW, IL	3906N	9021W	630	6	1948-2001	
114710	KEWANEE 1 E, IL	4115N	8954W	780	1	1948-2001	

114805	LACON 1 N, IL	4102N	8924W	460	4	1950-2001	
114823	LA HARPE, IL	4035N	9058W	700	3	1901-2001	
115079	LINCOLN, IL	4009N	8920W	583	4	1906-2001	
115326	MARENGO, IL	4215N	8836W	810	2	1901-2001	
115413	MASON CITY 1 W, IL	4012N	8942W	585	4	1948-2001	
115430	MATTOON, IL	3928N	8821W	718	7	1948-2001	
115515	MCLEANSBORO, IL	3805N	8833W	446	9	1901-2001	
115712	MINONK, IL	4055N	8902W	750	4	1901-2001	
115751	MOLINE QUAD CITY AP, IL	4128N	9031W	592	1	1948-2001	MLI
115768	MONMOUTH, IL	4055N	9038W	745	3	1901-2001	
115833	MORRISON, IL	4148N	8958W	603	1	1901-2001	
115888	MOUNT CARMEL, IL	3825N	8745W	430	9	1948-2001	
115901	MOUNT CARROLL, IL	4206N	8959W	640	1	1901-2001	
115943	MT VERNON 3 NE, IL	3821N	8851W	490	9	1901-2001	
116011	NASHVILLE 4 NE, IL	3822N	8918W	515	8	1948-2001	
116159	NEWTON 6 SSE, IL	3855N	8807W	510	7	1948-2001	
116446	OLNEY 2 S, IL	3842N	8805W	480	7	1901-2001	
116526	OTTAWA 5 SW, IL	4120N	8855W	525	2	1901-2001	
116558	PALESTINE 2 W, IL	3900N	8739W	470	7	1901-2001	
116579	PANA 3 E, IL	3922N	8902W	700	6	1901-2001	
116610	PARIS WATERWORKS, IL	3938N	8742W	680	7	1901-2001	
116616	PARK FOREST, IL	4130N	8741W	710	2	1952-2001	
116661	PAW PAW 2 NW, IL	4143N	8900W	950	1	1948-2001	
116711	PEORIA GTR PEORIA AP, IL	4040N	8941W	652	4	1948-2001	PIA
116753	PERU, IL	4121N	8906W	620	2	1963-2001	
116819	PIPER CITY, IL	4046N	8812W	670	5	1949-2001	
116910	PONTIAC, IL	4053N	8838W	650	5	1903-2001	
117004	PRINCEVILLE, IL	4056N	8947W	735	4	1948-2001	
117072	QUINCY BALDWIN AP, IL	3957N	9112W	763	3	1948-2001	UIN
117077	QUINCY DAM 21, IL	3954N	9126W	483	3	1948-2001	
117150	RANTOUL, IL	4019N	8810W	740	5	1948-2001	
117382	ROCKFORD AP, IL	4212N	8906W	733	1	1951-2001	RFD
117487	ROSICLARE 5 NW, IL	3728N	8824W	400	9	1968-2001	
117551	RUSHVILLE, IL	4007N	9034W	660	3	1901-2001	
117636	SALEM, IL	3839N	8857W	550	7	1948-2001	
118147	SPARTA 1 W, IL	3807N	8943W	535	8	1901-2001	
118179	SPRINGFIELD CAPITAL AP, IL	3951N	8941W	586	6	1948-2001	SPI

118293	STOCKTON 3 NNE, IL	4224N	9000W	970	1	1948-2001	
118684	TUSCOLA, IL	3948N	8817W	655	7	1948-2001	
118740	URBANA, IL	4005N	8814W	743	5	1903-2001	
118860	VIRDEN, IL	3930N	8946W	675	6	1948-2001	
118916	WALNUT, IL	4133N	8936W	690	1	1901-2001	
119002	WATERLOO, IL	3820N	9009W	650	8	1948-2000	
119021	WATSEKA 2 NW, IL	4048N	8745W	620	5	1948-2001	
119029	WAUKEGAN, IL	4221N	8753W	700	2	1923-2001	
119221	WHEATON 3 SE, IL	4149N	8804W	680	2	1948-2001	
119241	WHITE HALL 1 E, IL	3926N	9023W	580	6	1902-2001	
119354	WINDSOR, IL	3927N	8836W	690	7	1904-2001	
120177	ANDERSON SEWAGE PLANT, IN	4006N	8543W	845	5	1948-2001	
120200	ANGOLA, IN	4138N	8459W	1,010	3	1901-2001	
120676	BERNE, IN	4040N	8457W	860	3	1910-2001	
120784	BLOOMINGTON INDIANA UNIV, IN	3910N	8631W	830	8	1901-2001	
120830	BLUFFTON 1 N, IN	4045N	8510W	825	3	1971-2001	
121030	BROOKVILLE, IN	3925N	8501W	630	9	1948-2001	
121229	CAMBRIDGE CITY 3 N, IN	3952N	8511W	1,000	6	1948-2001	
121425	CHARLESTOWN 5 NNW, IN	3829N	8542W	550	9	1962-2001	
121739	COLUMBIA CITY, IN	4109N	8529W	850	3	1948-2001	
121747	COLUMBUS, IN	3912N	8555W	621	5	1901-2001	
121869	CRANE NAVAL DEPOT, IN	3852N	8650W	730	7	1948-2001	
122149	DELPHI 3 S, IN	4033N	8641W	671	2	1948-2001	
122309	DUBOIS S IND FORAGE FRM, IN	3827N	8642W	690	7	1955-2001	
122638	ELWOOD WASTEWATER PLANT, IN	4016N	8551W	840	5	1948-2001	
122660	ENGLISH 4 S, IN	3817N	8628W	510	8	1969-2001	
122731	EVANSVILLE MUSEUM, IN	3758N	8734W	380	7	1949-2001	
122738	EVANSVILLE INTL AP, IN	3803N	8732W	381	7	1948-2001	EVV
122825	FARMLAND 5 NNW, IN	4015N	8509W	965	6	1901-2001	
123037	FORT WAYNE BAER AP, IN	4100N	8512W	791	3	1948-2001	FWA
123082	FRANKFORT DISPOSAL PLANT, IN	4018N	8630W	835	5	1948-2001	
123418	GOSHEN 3 W, IN	4133N	8553W	875	2	1948-2001	
123513	GREENCASTLE 5 E, IN	3938N	8647W	760	4	1948-2001	
123527	GREENFIELD, IN	3947N	8545W	865	5	1948-2001	
123547	GREENSBURG, IN	3921N	8530W	935	5	1948-2001	
123777	HARTFORD CITY 4 ESE, IN	4026N	8517W	942	5	1948-2001	
124008	HOBART 2 WNW, IN	4133N	8717W	640	1	1948-2000	

124259	INDIANAPOLIS INTL AP, IN	3943N	8616W	792	5	1948-2001	IND
124272	INDIANAPOLIS SE SIDE, IN	3943N	8604W	845	5	1951-2001	
124527	KENTLAND, IN	4046N	8726W	695	1	1948-2001	
124662	KOKOMO 3 WSW, IN	4028N	8610W	820	5	1901-2001	
124715	LAFAYETTE 8 S, IN	4018N	8654W	733	4	1954-2001	
124730	LAGRANGE SEWAGE PLANT, IN	4139N	8525W	895	3	1962-2001	
124837	LA PORTE, IN	4137N	8644W	810	1	1901-2001	
125174	LOWELL, IN	4116N	8725W	665	1	1963-2001	
125237	MADISON SEWAGE PLANT, IN	3844N	8524W	460	9	1948-2001	
125337	MARION 2 N, IN	4035N	8540W	790	5	1901-2001	
125407	MARTINSVILLE 2 SW, IN	3924N	8627W	610	5	1948-2001	
126001	MOUNT VERNON, IN	3756N	8754W	420	7	1901-2001	
126020	MUNCIE BALL STATE UNIV, IN	4013N	8525W	940	6	1962-2001	
126164	NEW CASTLE 4 N, IN	3959N	8522W	1,065	6	1949-2001	
126435	NORTH VERNON 2 ESE, IN	3900N	8536W	740	9	1948-2001	
126580	OOLITIC PURDUE EXP FRM, IN	3853N	8633W	650	8	1902-2001	
126705	PAOLI, IN	3833N	8629W	560	8	1901-2001	
127069	PORTLAND 1 SW, IN	4026N	8517W	910	6	1948-2001	
127125	PRINCETON 1 W, IN	3821N	8735W	480	7	1901-2001	
127298	RENSSELAER, IN	4056N	8709W	650	1	1970-2001	
127370	RICHMOND WTR WKS, IN	3953N	8453W	1,015	6	1968-2001	
127482	ROCHESTER, IN	4104N	8613W	770	2	1948-2001	
127522	ROCKVILLE, IN	3946N	8714W	690	4	1901-2001	
127646	RUSHVILLE SEWAGE PLANT, IN	3936N	8527W	960	5	1901-2001	
127724	SAINT MEINRAD, IN	3810N	8649W	510	7	1959-2001	
127755	SALEM, IN	3837N	8605W	800	8	1948-2001	
127875	SCOTTSBURG, IN	3842N	8546W	550	9	1901-2001	
127935	SEYMOUR 2 N, IN	3859N	8554W	570	8	1948-2001	
127999	SHELBYVILLE SEWAGE PLANT, IN	3931N	8547W	750	5	1948-2001	
128036	SHOALS HIWAY 50 BRIDGE, IN	3840N	8648W	550	7	1948-2001	
128187	SOUTH BEND RGNL AP, IN	4142N	8620W	773	2	1948-2001	SBN
128290	SPENCER, IN	3917N	8646W	550	4	1948-2001	
128698	TELL CITY, IN	3757N	8646W	400	8	1948-2001	
128723	TERRE HAUTE IN STATE, IN	3928N	8725W	507	4	1954-2001	
128999	VALPARAISO WATERWORKS, IN	4131N	8702W	800	1	1901-2001	
129080	VEVAY, IN	3845N	8504W	470	9	1960-2001	
129138	WABASH, IN	4047N	8549W	730	2	1948-2001	

129222	WANATAH 2 WNW, IN	4127N	8656W	735	1	1961-2001	
129240	WARSAW, IN	4114N	8552W	810	2	1948-2001	
129253	WASHINGTON 1 NNW, IN	3840N	8712W	510	7	1901-2001	
129430	WEST LAFAYETTE 6 NW, IN	4028N	8700W	705	4	1901-2001	
129511	WHEATFIELD 3 WNW, IN	4112N	8707W	663	1	1916-2001	
129557	WHITESTOWN, IN	4000N	8621W	935	5	1901-2001	
129670	WINAMAC 2 SSE, IN	4102N	8635W	690	1	1948-2001	
129678	WINCHESTER AP 3E, IN	4010N	8455W	1,110	6	1942-2001	I22
130112	ALBIA 3 NNE, IA	4104N	9247W	880	8	1948-2001	
130133	ALGONA 3 W, IA	4304N	9418W	1,230	2	1893-2001	
130157	ALLISON, IA	4245N	9247W	1,050	2	1948-2001	
130200	AMES 8 WSW, IA	4201N	9346W	1,099	5	1964-2001	
130213	ANAMOSA 1 WNW, IA	4207N	9118W	805	6	1948-2001	
130241	ANKENY, IA	4143N	9334W	940	5	1950-2001	
130364	ATLANTIC 1 NE, IA	4125N	9500W	1,160	7	1893-2001	
130385	AUDUBON 1 SSE, IA	4142N	9455W	1,290	4	1948-2001	
130536	BEACONSFIELD, IA	4049N	9403W	1,200	8	1956-2001	
130576	BEDFORD, IA	4040N	9444W	1,135	7	1948-2001	
130600	BELLE PLAINE, IA	4153N	9218W	810	6	1948-2001	
130608	BELLEVUE L AND D 12, IA	4216N	9025W	603	6	1948-2001	
130753	BLOOMFIELD 1 WNW, IA	4046N	9226W	812	9	1948-2001	
130807	BOONE, IA	4203N	9353W	1,051	5	1948-2001	
130923	BRITT, IA	4306N	9348W	1,210	2	1948-2001	
131060	BURLINGTON RADIO KBUR, IA	4049N	9110W	703	9	1965-2001	
131063	BURLINGTON AP, IA	4047N	9107W	692	9	1948-2001	BRL
131233	CARROLL, IA	4204N	9451W	1,240	4	1948-2001	
131257	CASCADE, IA	4218N	9101W	850	3	1948-2001	
131277	CASTANA EXPERIMENT FARM, IA	4204N	9550W	1,450	4	1948-2001	
131314	CEDAR RAPIDS AP, IA	4153N	9143W	840	6	1953-2001	CID
131319	CEDAR RAPIDS NO 1, IA	4202N	9135W	850	6	1895-2001	
131354	CENTERVILLE, IA	4044N	9252W	980	8	1948-2001	
131394	CHARITON 1 E, IA	4100N	9317W	940	8	1948-2001	
131402	CHARLES CITY, IA	4302N	9240W	1,013	2	1948-2001	
131442	CHEROKEE, IA	4245N	9532W	1,180	1	1948-2001	
131533	CLARINDA, IA	4043N	9501W	980	7	1893-2001	
131541	CLARION, IA	4244N	9344W	1,190	2	1948-2001	
131635	CLINTON NO 1, IA	4148N	9016W	585	6	1948-2001	

131710	COLO, IA	4201N	9319W	1,000	5	1964-2001	
131731	COLUMBUS JUNCT 2 SSW, IA	4115N	9122W	670	9	1948-2001	
131833	CORNING, IA	4059N	9445W	1,215	7	1896-2001	
131954	CRESO 1 NE, IA	4323N	9206W	1,255	3	1948-2001	
131962	CRESTON 2 SW, IA	4102N	9424W	1,320	8	1948-2001	
132110	DECORAH, IA	4318N	9148W	860	3	1948-2001	
132171	DENISON, IA	4202N	9520W	1,401	4	1900-2001	
132203	DES MOINES AP, IA	4132N	9340W	957	5	1948-2001	DSM
132364	DUBUQUE LOCK & DAM 11, IA	4232N	9039W	620	3	1948-2001	
132367	DUBUQUE AP, IA	4224N	9042W	1,056	3	1951-2001	DBQ
132573	ELDORA, IA	4222N	9306W	1,144	5	1949-2001	
132603	ELKADER 5 SSW, IA	4247N	9127W	770	3	1948-2001	
132689	EMMETSBURG, IA	4307N	9441W	1,273	1	1948-2001	
132724	ESTHERVILLE 2 N, IA	4326N	9450W	1,302	1	1948-2001	
132789	FAIRFIELD, IA	4101N	9157W	740	9	1896-2001	
132864	FAYETTE, IA	4251N	9149W	1,050	3	1900-2001	
132977	FOREST CITY 2 NNE, IA	4317N	9338W	1,300	2	1948-2001	
132999	FORT DODGE, IA	4230N	9412W	1,115	5	1948-2001	
133007	FORT MADISON, IA	4037N	9120W	530	9	1952-2001	
133290	GLENWOOD 3 SW, IA	4100N	9546W	980	7	1893-2001	
133438	GREENFIELD, IA	4118N	9427W	1,340	7	1948-2001	
133473	GRINNELL 3 SW, IA	4143N	9245W	905	5	1893-2001	
133487	GRUNDY CENTER, IA	4221N	9246W	1,020	5	1948-2001	
133509	GUTHRIE CENTER, IA	4140N	9430W	1,075	4	1895-2001	
133517	GUTTENBERG L & D 10, IA	4247N	9106W	624	3	1948-2001	
133584	HAMPTON, IA	4245N	9312W	1,230	2	1893-2001	
133632	HARLAN, IA	4139N	9519W	1,210	4	1948-2001	
133718	HAWARDEN, IA	4300N	9629W	1,190	1	1948-2001	
134038	IDA GROVE 5 NW, IA	4224N	9531W	1,320	4	1948-2001	
134063	INDIANOLA, IA	4122N	9333W	940	8	1893-2001	
134101	IOWA CITY, IA	4139N	9132W	640	6	1948-2001	
134142	IOWA FALLS, IA	4231N	9315W	1,130	5	1948-2001	
134228	JEFFERSON, IA	4201N	9422W	1,045	4	1948-2001	
134381	KEOKUK LOCK DAM 19, IA	4024N	9123W	527	9	1933-2001	
134389	KEOSAUQUA, IA	4044N	9159W	625	9	1893-2001	
134502	KNOXVILLE, IA	4120N	9307W	920	8	1948-2001	
134561	LAKE PARK, IA	4327N	9519W	1,465	1	1948-2001	

134585	LAMONI, IA	4037N	9357W	1,128	8	1948-2001	3OI
134705	LE CLAIRE L & D 14, IA	4134N	9024W	577	6	1948-2001	
134735	LE MARS, IA	4247N	9609W	1,195	1	1896-2001	
134758	LEON 6 ESE, IA	4044N	9338W	1,000	8	1962-2001	
134894	LOGAN, IA	4138N	9547W	990	4	1893-2001	
135123	MAPLETON NO 2, IA	4210N	9547W	1,140	4	1948-2001	
135131	MAQUOKETA 3 S, IA	4201N	9039W	680	6	1897-2001	
135198	MARSHALLTOWN, IA	4204N	9256W	870	5	1893-2001	
135230	MASON CITY, IA	4310N	9312W	1,090	2	1896-2001	
135235	MASON CITY AP, IA	4309N	9320W	1,225	2	1948-2001	MCW
135493	MILFORD 4 NW, IA	4323N	9511W	1,402	1	1948-2001	
135769	MOUNT AYR 4 SW, IA	4041N	9418W	1,240	8	1893-2001	
135796	MOUNT PLEASANT 1 SSW, IA	4057N	9134W	730	9	1948-2001	
135837	MUSCATINE, IA	4124N	9104W	549	6	1948-2001	
135952	NEW HAMPTON, IA	4303N	9219W	1,160	3	1897-2001	
135992	NEWTON, IA	4143N	9302W	960	5	1899-2001	
136103	NORTHWOOD, IA	4326N	9313W	1,190	2	1948-2001	
136151	OAKLAND, IA	4119N	9523W	1,170	7	1948-2001	
136200	OELWEIN 2 S, IA	4239N	9155W	1,010	3	1948-2001	
136243	ONAWA 3 NW, IA	4204N	9608W	1,060	4	1899-2001	
136305	OSAGE, IA	4317N	9249W	1,170	2	1948-2001	
136316	OSCEOLA, IA	4102N	9345W	1,110	8	1948-2001	
136327	OSKALOOSA, IA	4119N	9239W	830	9	1893-2001	
136389	OTTUMWA AP, IA	4106N	9227W	842	9	1948-2001	OTM
136566	PERRY, IA	4150N	9407W	965	5	1948-2001	
136719	POCAHONTAS, IA	4244N	9440W	1,212	1	1948-2001	
136800	PRIMGHAR, IA	4305N	9538W	1,520	1	1948-2001	
136910	RATHBUN DAM, IA	4050N	9254W	965	8	1970-2001	
136940	RED OAK, IA	4111N	9515W	1,040	7	1948-2001	
137147	ROCK RAPIDS, IA	4326N	9610W	1,350	1	1893-2001	
137161	ROCKWELL CITY, IA	4224N	9438W	1,195	4	1894-2001	
137312	SAC CITY, IA	4225N	9459W	1,200	4	1948-2001	
137386	SANBORN, IA	4311N	9540W	1,551	1	1948-2001	
137594	SHELDON, IA	4311N	9551W	1,420	1	1948-2001	
137613	SHENANDOAH, IA	4046N	9523W	975	7	1948-2001	
137664	SIBLEY 5 NNE, IA	4328N	9543W	1,670	1	1948-2001	
137669	SIDNEY, IA	4045N	9539W	1,130	7	1949-2001	



137678	SIGOURNEY, IA	4120N	9212W	800	9	1948-2001	
137700	SIOUX CENTER 2 SE, IA	4303N	9609W	1,360	1	1948-2001	
137708	SIOUX CITY AP, IA	4223N	9623W	1,093	4	1948-2001	SUX
137726	SIOUX RAPIDS 4 E, IA	4254N	9504W	1,420	1	1948-2001	
137844	SPENCER 1 N, IA	4310N	9509W	1,326	1	1895-2001	3SE
137979	STORM LAKE 2 E, IA	4238N	9510W	1,425	1	1893-2001	
138026	SWEA CITY 1 NE, IA	4324N	9417W	1,230	2	1954-2001	
138266	TIPTON 4 NE, IA	4149N	9105W	770	6	1902-2001	
138296	TOLEDO 3 N, IA	4202N	9235W	940	5	1948-2001	
138339	TRIPOLI, IA	4249N	9216W	960	3	1948-2001	
138568	VINTON, IA	4210N	9200W	850	6	1948-2001	
138688	WASHINGTON, IA	4117N	9142W	690	9	1893-2001	
138706	WATERLOO MUNICIPAL AP, IA	4233N	9224W	865	3	1950-2001	ALO
138755	WAUKON, IA	4316N	9129W	1,280	3	1948-2001	
138806	WEBSTER CITY, IA	4228N	9348W	1,170	5	1893-2001	
139067	WILLIAMSBURG, IA	4140N	9201W	850	6	1948-2001	
139132	WINTERSET 2 NNW, IA	4122N	9402W	1,070	8	1948-2001	
140010	ABILENE 1 W, KS	3855N	9714W	1,170	5	1948-2001	
140201	ALTON 6 ESE, KS	3926N	9851W	1,620	2	1939-2001	
140264	ANTHONY, KS	3709N	9802W	1,340	8	1939-2001	
140365	ASHLAND, KS	3712N	9946W	1,970	7	1900-2001	
140405	ATCHISON, KS	3934N	9507W	945	3	1939-2001	
140439	ATWOOD 2 SW, KS	3947N	10105W	2,862	1	1939-2001	
140682	BELLEVILLE, KS	3950N	9738W	1,540	2	1948-2001	
140693	BELOIT, KS	3929N	9806W	1,462	2	1948-2001	
140865	BISON 3 NW, KS	3834N	9914W	2,040	5	1939-2001	
141029	BREWSTER 4 W, KS	3922N	10127W	3,437	1	1948-2001	
141351	CASSODAY, KS	3803N	9638W	1,460	9	1948-2001	
141383	CEDAR BLUFF DAM 4 NNE, KS	3852N	9942W	2,230	4	1949-2001	
141408	CENTRALIA, KS	3943N	9607W	1,320	3	1948-2001	
141427	CHANUTE JOHNSON AP, KS	3740N	9529W	979	9	1948-2001	CNU
141522	CIMARRON 4 S, KS	3745N	10021W	2,660	7	1939-2001	
141559	CLAY CENTER, KS	3924N	9708W	1,220	2	1939-2001	
141699	COLBY 1 SW, KS	3924N	10104W	3,170	1	1950-2001	
141704	COLDWATER, KS	3716N	9920W	2,083	8	1948-2001	
141740	COLUMBUS 1 SW, KS	3710N	9451W	900	9	1900-2001	
141767	CONCORDIA BLOSSER AP, KS	3933N	9739W	1,469	2	1962-2001	CNK

141858	COTTONWOOD FALLS, KS	3822N	9633W	1,240	6	1948-2001	
141867	COUNCIL GROVE LAKE, KS	3841N	9632W	1,320	6	1964-2001	
142164	DODGE CITY RGNL AP, KS	3746N	9958W	2,582	7	1948-2001	DDC
142401	EL DORADO, KS	3749N	9651W	1,340	9	1904-2001	
142432	ELKHART, KS	3700N	10153W	3,599	7	1900-2001	
142459	ELLSWORTH, KS	3844N	9814W	1,530	5	1904-2001	
142622	EUREKA, KS	3749N	9617W	1,080	9	1954-2001	
142686	FALL RIVER LAKE, KS	3739N	9605W	1,020	9	1948-2001	
142773	FLORENCE, KS	3815N	9656W	1,294	5	1948-2001	
142835	FORT SCOTT, KS	3751N	9443W	845	9	1939-2001	
142894	FREDONIA, KS	3731N	9549W	870	9	1939-2001	
142980	GARDEN CITY EXP STN, KS	3800N	10049W	2,868	7	1948-2001	
143008	GARNETT 1 E, KS	3817N	9514W	980	6	1948-2001	
143074	GIRARD, KS	3730N	9450W	985	9	1957-2001	
143100	GLEN ELDER LAKE, KS	3930N	9819W	1,500	2	1964-2001	
143153	GOODLAND RENNER AP, KS	3922N	10142W	3,645	3	1948-2001	GLD
143218	GREAT BEND, KS	3822N	9846W	1,860	5	1948-2001	
143239	GREENSBURG, KS	3737N	9918W	2,230	8	1939-2001	
143527	HAYS 1 S, KS	3852N	9920W	2,010	5	1900-2001	
143554	HEALY, KS	3836N	10037W	2,850	4	1901-2001	
143594	HERINGTON, KS	3840N	9657W	1,350	5	1939-2001	
143759	HOLTON, KS	3928N	9544W	1,043	3	1948-2001	
143810	HORTON, KS	3940N	9531W	1,030	3	1900-2001	
143822	HOWARD 5 NE, KS	3731N	9612W	1,100	9	1948-2001	
143837	HOXIE, KS	3922N	10027W	2,706	1	1939-2001	
143847	HUDSON, KS	3806N	9840W	1,867	8	1948-2001	
143855	HUGOTON, KS	3710N	10120W	3,110	7	1948-2001	
143930	HUTCHINSON 10 SW, KS	3756N	9802W	1,570	8	1953-2001	
143954	INDEPENDENCE, KS	3714N	9542W	805	9	1900-2001	
143984	IOLA 1 W, KS	3755N	9526W	954	9	1948-2001	
144104	JOHN REDMOND LAKE, KS	3815N	9545W	1,091	6	1960-2001	
144178	KANOPOLIS LAKE, KS	3836N	9758W	1,492	5	1948-2001	
144313	KINGMAN, KS	3740N	9807W	1,570	8	1948-2001	
144333	KINSLEY, KS	3755N	9924W	2,167	8	1948-2001	
144357	KIRWIN DAM, KS	3940N	9907W	1,697	2	1952-2001	
144464	LAKIN, KS	3756N	10115W	2,998	7	1939-2001	
144530	LARNED, KS	3811N	9906W	1,995	8	1903-2001	

144559	LAWRENCE, KS	3858N	9516W	980	6	1939-2001	
144588	LEAVENWORTH, KS	3916N	9455W	870	3	1948-2001	
144665	LEOTI 1 SE, KS	3828N	10121W	3,307	4	1939-2001	
144695	LIBERAL, KS	3701N	10056W	2,834	7	1939-2001	
144712	LINCOLN 1 ESE, KS	3902N	9807W	1,380	5	1939-2001	
144857	LOVEWELL DAM, KS	3954N	9802W	1,602	2	1955-2001	
144972	MANHATTAN, KS	3913N	9636W	1,065	3	1900-2001	
144982	MANKATO, KS	3947N	9813W	1,755	2	1958-2001	
145039	MARION LAKE, KS	3823N	9705W	1,369	5	1966-2001	
145063	MARYSVILLE, KS	3950N	9638W	1,180	3	1948-2001	
145127	MC DONALD, KS	3947N	10122W	3,364	1	1954-2001	
145152	MCPHERSON, KS	3823N	9740W	1,495	5	1900-2001	
145171	MEADE, KS	3717N	10021W	2,477	7	1948-2001	
145306	MILFORD LAKE, KS	3904N	9654W	1,210	6	1965-2001	
145363	MINNEAPOLIS, KS	3908N	9742W	1,310	2	1900-2001	
145528	MOUND CITY, KS	3809N	9449W	840	6	1949-2001	
145536	MOUND VALLEY 3 WSW, KS	3711N	9527W	800	9	1951-2001	
145692	NESS CITY, KS	3827N	9955W	2,250	4	1948-2001	
145744	NEWTON 2 SW, KS	3803N	9722W	1,447	8	1939-2001	
145852	NORTON DAM, KS	3949N	9956W	2,340	1	1962-2001	
145856	NORTON 9 SSE (HILL CITY), KS	3944N	9950W	2,360	1	1939-2001	
145870	NORWICH, KS	3728N	9751W	1,490	8	1948-2001	
145888	OAKLEY 4 W, KS	3907N	10057W	3,100	4	1948-2001	
145906	OBERLIN, KS	3950N	10032W	2,605	1	1939-2001	
145972	OLATHE 3 E, KS	3853N	9446W	1,055	6	1939-2001	
146100	OSKALOOSA 4 NE, KS	3915N	9516W	918	3	1958-2001	
146128	OTTAWA, KS	3837N	9517W	900	6	1900-2001	
146209	PAOLA, KS	3835N	9453W	860	6	1948-2001	
146242	PARSONS 2 NW, KS	3722N	9517W	910	9	1948-2001	
146333	PERRY LAKE, KS	3907N	9525W	960	3	1967-2001	
146435	PLAINVILLE 4 WNW, KS	3915N	9923W	2,083	2	1939-2001	
146498	POMONA LAKE, KS	3839N	9534W	1,063	6	1963-2001	
146549	PRATT 4 W, KS	3741N	9848W	1,940	8	1939-2001	
146637	QUINTER, KS	3904N	10014W	2,678	4	1939-2001	
147046	RUSSELL 1 E, KS	3853N	9849W	1,858	5	1949-2001	RSL
147049	RUSSELL SPRINGS, KS	3855N	10110W	2,910	4	1949-2000	
147093	SAINT FRANCIS, KS	3946N	10149W	3,362	3	1908-2001	

147160	SALINA MUNICIPAL AP, KS	3849N	9740W	1,263	5	1952-2001	SLN
147271	SCOTT CITY, KS	3829N	10055W	2,970	4	1948-2001	
147305	SEDAN, KS	3708N	9611W	880	9	1948-2001	
147397	SHARON SPRINGS, KS	3854N	10145W	3,450	4	1948-2001	
147542	SMITH CENTER, KS	3947N	9847W	1,780	2	1948-2001	
147796	STERLING, KS	3813N	9812W	1,636	5	1952-2001	
147922	SUBLETTE, KS	3729N	10050W	2,920	7	1948-2001	
148038	SYRACUSE, KS	3759N	10145W	3,260	7	1939-2001	
148167	TOPEKA BILLARD MNCPL AP, KS	3904N	9538W	881	6	1948-2001	TOP
148235	TRIBUNE 1 W, KS	3828N	10147W	3,636	4	1900-2001	
148250	TROY 3 N, KS	3950N	9505W	1,040	3	1948-2001	
148259	TUTTLE CREEK LAKE, KS	3915N	9636W	1,057	3	1959-2001	
148287	ULYSSES, KS	3735N	10121W	3,050	7	1939-2001	
148495	WAKEENEY, KS	3902N	9953W	2,460	4	1948-2001	
148563	WAMEGO, KS	3913N	9620W	1,010	3	1948-2001	
148578	WASHINGTON, KS	3949N	9703W	1,304	2	1952-2001	
148648	WEBSTER DAM, KS	3924N	9925W	1,863	2	1953-2001	
148670	WELLINGTON, KS	3716N	9725W	1,220	8	1948-2001	
148830	WICHITA MID-CONTINENT AP, KS	3739N	9726W	1,321	8	1954-2001	ICT
148946	WILSON LAKE, KS	3858N	9829W	1,512	5	1964-2001	
148964	WINFIELD NO. 1, KS	3714N	9658W	1,160	9	1900-2001	
148988	WINONA, KS	3904N	10115W	3,323	4	1948-2001	
149080	YATES CENTER, KS	3752N	9544W	1,050	9	1948-2001	
150254	ASHLAND, KY	3827N	8237W	560	4	1932-2001	
150381	BARBOURVILLE, KY	3653N	8353W	990	4	1948-2001	
150397	BARDSTOWN 5 E, KY	3749N	8523W	780	2	1950-2001	
150402	BARDWELL 2 E, KY	3653N	8900W	410	1	1964-2001	
150422	BARREN RIVER LAKE, KY	3654N	8608W	620	2	1963-2001	
150450	BAXTER, KY	3651N	8320W	1,164	4	1948-2001	
150490	BEAVER DAM, KY	3725N	8652W	441	1	1948-2001	
150619	BEREA COLLEGE, KY	3734N	8418W	1,070	3	1948-2001	
150630	BERNHEIM FOREST, KY	3755N	8539W	550	2	1970-2001	
150909	BOWLING GREEN FAA AP, KY	3659N	8626W	528	2	1932-2001	BWG
150940	BRADFORDSVILLE, KY	3729N	8509W	660	2	1962-2001	
151345	CARROLLTON LOCK 1, KY	3840N	8509W	450	3	1932-2001	
151855	CINCINNATI COVINGTON AP, KY	3903N	8440W	869	3	1948-2001	CVG
151998	CYNTHIANA, KY	3823N	8418W	700	3	1932-2001	

152040	DANVILLE, KY	3740N	8446W	900	3	1933-2001	
152214	DIX DAM, KY	3748N	8443W	870	3	1953-2001	
152791	FARMERS 2 S, KY	3807N	8333W	680	4	1932-2001	
153028	FRANKFORT LOCK 4, KY	3814N	8452W	500	3	1948-2001	
153223	GILBERTSVILLE KY DAM, KY	3701N	8816W	360	1	1967-2001	
153246	GLASGOW, KY	3700N	8554W	770	2	1953-2001	
153295	GOLDEN POND 8 N, KY	3654N	8801W	400	1	1953-2000	
153391	GRAYSON 3 SW, KY	3818N	8258W	700	4	1948-2001	
153430	GREENSBURG, KY	3715N	8530W	590	2	1932-2001	
153741	HEIDELBERG, KY	3733N	8346W	665	4	1932-2001	
153762	HENDERSON 7 SSW, KY	3746N	8738W	430	1	1932-2001	
153929	HODGENVILLE-LINCOLN NP, KY	3732N	8544W	788	2	1948-2001	
153994	HOPKINSVILLE, KY	3651N	8732W	520	1	1932-2001	
154093	HYDEN, KY	3709N	8322W	970	4	1948-2001	
154208	JAMESTOWN WWTP, KY	3701N	8504W	890	2	1971-2001	
154703	LEITCHFIELD 2 N, KY	3731N	8618W	620	2	1948-2001	
154746	LEXINGTON BLUE GRASS AP, KY	3802N	8436W	965	3	1948-2001	LEX
154898	LONDON CORBIN AP, KY	3705N	8405W	1,188	4	1954-2001	LOZ
154954	LOUISVILLE STANDIFORD AP, KY	3811N	8544W	481	2	1948-2001	SDF
154967	LOVELACEVILLE, KY	3658N	8850W	370	1	1948-2001	
155067	MADISONVILLE, KY	3722N	8731W	440	1	1948-2001	
155097	MAMMOTH CAVE, KY	3711N	8605W	790	2	1948-2001	
155111	MANCHESTER 4 W, KY	3709N	8349W	870	4	1951-2001	
155233	MAYFIELD RADIO WNGO, KY	3647N	8838W	380	1	1967-2001	
155243	MAYSVILLE SEWAGE PLANT, KY	3841N	8347W	515	3	1948-2001	
155524	MONTICELLO 3 NE, KY	3652N	8450W	979	4	1948-2001	
155640	MOUNT STERLING, KY	3804N	8356W	960	3	1948-2001	
155648	MOUNT VERNON, KY	3721N	8420W	1,160	4	1956-2001	
155694	MURRAY, KY	3637N	8818W	527	1	1948-2001	
155834	NOLIN RIVER LAKE, KY	3717N	8615W	680	2	1964-2001	
156110	PADUCAH BARKLEY RGNL AP, KY	3703N	8846W	407	1	1949-2001	PAH
156580	PRINCETON 1 SE, KY	3707N	8752W	497	1	1965-2001	2M0
156882	ROCHESTER FERRY, KY	3713N	8654W	410	1	1954-2001	
156988	ROUGH RIVER LAKE, KY	3737N	8630W	556	2	1964-2001	
157049	RUSSELLVILLE, KY	3651N	8653W	570	1	1948-2001	
157215	SCOTTSVILLE 3 SSW, KY	3644N	8613W	850	2	1948-2001	
157324	SHELBYVILLE 1 E, KY	3812N	8512W	730	3	1932-2001	

157510	SOMERSET 2 N, KY	3707N	8437W	1,050	4	1950-2001	
157677	STEARNS 2 S, KY	3640N	8429W	1,220	4	1948-2001	
157800	SUMMER SHADE, KY	3653N	8543W	864	2	1950-2001	
158446	WARSAW MARKLAND DAM, KY	3846N	8458W	466	3	1959-2001	
158551	WEST LIBERTY, KY	3755N	8316W	830	4	1948-2001	
158709	WILLIAMSBURG, KY	3644N	8409W	940	4	1957-2001	
158714	WILLIAMSTOWN 3 W, KY	3840N	8437W	940	3	1948-2001	
160098	ALEXANDRIA INTL AP, LA	3119N	9228W	87	5	1930-2001	
160104	ALEXANDRIA ESLER AP, LA	3124N	9218W	112	5	1960-2001	ESF
160205	AMITE, LA	3042N	9032W	170	6	1948-2001	
160349	ASHLAND, LA	3210N	9308W	240	4	1948-2001	
160537	BASTROP, LA	3247N	9154W	150	3	1948-2001	
160549	BATON ROUGE RYAN AP, LA	3032N	9109W	64	6	1930-2001	BTR
160945	BOGALUSA, LA	3047N	8952W	100	6	1948-2001	
161287	BUNKIE, LA	3057N	9210W	80	5	1956-2001	
161292	BURAS, LA	2920N	8931W	5	9	1948-2001	
161411	CALHOUN RESEARCH STN, LA	3231N	9221W	180	2	1948-2001	
161565	CARVILLE 2 SW, LA	3012N	9107W	25	8	1948-2001	
162151	COVINGTON 4 NNW, LA	3032N	9007W	40	6	1930-2001	
162212	CROWLEY 2 NE, LA	3015N	9222W	25	7	1930-2001	
162361	DE QUINCY, LA	3026N	9328W	81	7	1948-2001	
162367	DE RIDDER, LA	3050N	9317W	190	7	1903-2001	
162534	DONALDSONVILLE 4 SW, LA	3004N	9102W	30	9	1930-2001	
162800	ELIZABETH, LA	3051N	9247W	150	7	1948-2001	
163313	FRANKLIN 3 NW, LA	2949N	9133W	12	8	1948-2001	
163433	GALLIANO, LA	2927N	9018W	5	9	1968-2001	
163800	GRAND COTEAU, LA	3026N	9202W	55	5	1948-2001	
163979	HACKBERRY 8 SSW, LA	2953N	9325W	6	7	1948-2001	
164355	HOMER 3 SSW, LA	3245N	9304W	380	2	1950-2001	
164407	HOUMA, LA	2935N	9044W	15	9	1930-2001	
164674	JEANERETTE 5 NW, LA	2957N	9143W	20	8	1930-2001	
164700	JENNINGS, LA	3012N	9240W	25	7	1948-2001	
165026	LAFAYETTE REG AP, LA	3012N	9159W	38	8	1948-2001	LFT
165065	LAKE ARTHUR 10 SW, LA	3000N	9248W	10	7	1948-2001	
165078	LAKE CHARLES AP, LA	3007N	9314W	15	7	1962-2001	LCH
165090	LAKE PROVIDENCE, LA	3248N	9110W	100	3	1930-2001	
165266	LEESVILLE, LA	3108N	9315W	28	4	1930-2001	

165620	LSU BEN HUR FARM, LA	3022N	9110W	21	6	1963-2001	
165874	MANSFIELD, LA	3202N	9342W	400	1	1954-2001	
165892	MANY, LA	3134N	9329W	260	4	1953-2001	
166244	MINDEN, LA	3236N	9318W	185	1	1948-2001	
166303	MONROE RGNL AP, LA	3231N	9202W	133	2	1930-2001	MLU
166394	MORGAN CITY, LA	2941N	9111W	5	8	1930-2001	
166582	NATCHITOCHES, LA	3146N	9306W	130	4	1930-2001	
166657	NEW IBERIA, LA	2959N	9147W	25	8	1948-2001	
166660	NEW ORLEANS INTL AP, LA	3000N	9015W	4	9	1954-2001	MSY
166664	NEW ORLEANS AUDUBON, LA	2955N	9008W	6	9	1962-2001	
166686	NEW ROADS 5 ESE, LA	3041N	9122W	45	5	1948-2001	
166938	OBERLIN FIRE TOWER, LA	3036N	9247W	65	7	1952-2001	
166978	OLLA, LA	3154N	9215W	155	5	1970-2001	
167767	RESERVE, LA	3005N	9037W	15	9	1948-2001	
167932	ROCKEFELLER WL REFUGE, LA	2944N	9249W	4	7	1964-2001	
168046	ROSEPINE RESEARCH STN, LA	3057N	9317W	238	4	1969-2001	
168067	RUSTON LA TECH, LA	3231N	9239W	280	2	1930-2001	
168108	ST BERNARD, LA	2952N	8950W	5	9	1966-2001	
168163	ST JOSEPH 3 N, LA	3157N	9114W	78	3	1930-2001	
168440	SHREVEPORT AP, LA	3227N	9349W	254	1	1930-2001	SHV
168539	SLIDELL, LA	3016N	8946W	10	6	1956-2001	SIL
168923	TALLULAH, LA	3224N	9113W	85	3	1948-2001	
169803	WINNFIELD 2 W, LA	3156N	9240W	160	2	1936-2001	
169806	WINNSBORO 5 SSE, LA	3206N	9143W	80	3	1930-2001	
170275	AUGUSTA AP, ME	4419N	6948W	350	2	1948-2001	AUG
170355	BANGOR INTL AP, ME	4448N	6849W	148	2	1953-2001	BGR
170480	BELFAST, ME	4424N	6900W	30	3	1948-2001	
170814	BRASSUA DAM, ME	4540N	6949W	1,060	1	1948-2001	
170833	BRIDGEWATER, ME	4625N	6751W	420	1	1957-2001	
170844	BRIDGTON 3 NW, ME	4405N	7044W	560	2	1955-2001	
171175	CARIBOU MUNICIPAL AP, ME	4652N	6802W	624	1	1939-2001	CAR
171472	CLAYTON LAKE, ME	4637N	6932W	1,000	1	1948-2001	
171628	CORINNA, ME	4455N	6916W	220	2	1948-2001	
172238	EAST HIRAM, ME	4353N	7045W	528	2	1970-2001	
172426	EASTPORT, ME	4455N	6700W	85	3	1926-2001	EPO
172765	FARMINGTON, ME	4441N	7009W	420	2	1926-2001	
172878	FORT KENT, ME	4714N	6837W	610	1	1945-2001	

173046	GARDINER, ME	4413N	6947W	140	2	1948-2001	
173261	GRAND LAKE STREAM, ME	4511N	6747W	290	2	1948-2001	
173892	HOULTON INTL AP, ME	4607N	6748W	476	1	1948-2001	HUL
174086	JACKMAN, ME	4538N	7016W	1,190	1	1948-2001	
174183	JONESBORO, ME	4439N	6739W	185	3	1948-2001	
174566	LEWISTON, ME	4406N	7013W	180	2	1926-2001	
174781	LONG FALLS DAM, ME	4513N	7012W	1,160	1	1953-2001	
174927	MADISON, ME	4448N	6953W	260	2	1948-2001	
175261	MIDDLE DAM, ME	4447N	7055W	1,460	1	1948-2001	
175304	MILLINOCKET, ME	4539N	6842W	360	1	1948-2001	
175675	NEWCASTLE, ME	4403N	6932W	190	3	1965-2001	
176430	ORONO, ME	4454N	6840W	115	2	1948-2001	
176905	PORTLAND INTL AP, ME	4339N	7018W	45	3	1920-2001	PWM
176937	PRESQUE ISLE, ME	4639N	6800W	599	1	1926-2001	
177037	RANGELEY, ME	4458N	7039W	1,530	1	1969-2001	
177325	RUMFORD 1 SSE, ME	4432N	7032W	630	2	1948-2001	
177479	SANFORD 2 NNW, ME	4328N	7047W	280	3	1953-2001	
178965	VAN BUREN 2, ME	4710N	6756W	456	1	1963-2001	
178974	VANCEBORO 2, ME	4534N	6726W	420	2	1965-2001	
179151	WATERVILLE TREATMENT PLT, ME	4432N	6939W	73	2	1958-2001	
179314	WEST BUXTON 2 NNW, ME	4342N	7037W	150	2	1953-2001	
179891	WOODLAND, ME	4509N	6724W	140	2	1948-2001	
180015	ABERDEEN PHILLIPS FIELD, MD	3928N	7610W	57	6	1948-2001	APG
180193	ANNAPOLIS POLICE BRKS, MD	3900N	7631W	25	6	1951-2001	
180335	ASSATEAGUE, MD	3804N	7513W	10	1	1968-2001	
180465	BALTIMORE-WASHINGTON AP, MD	3910N	7641W	148	6	1948-2001	BWI
180700	BELTSVILLE, MD	3902N	7653W	145	4	1948-2001	
181530	CATOCTIN MOUNTAIN PARK, MD	3939N	7729W	1,610	6	1968-2001	
181750	CHESTERTOWN, MD	3913N	7604W	40	5	1948-2001	
181862	CLARKSVILLE 3 NNE, MD	3915N	7656W	370	6	1967-2001	
182060	CONOWINGO DAM, MD	3939N	7610W	40	6	1941-2001	
182325	DALECARLIA RESERVOIR, MD	3856N	7707W	150	4	1948-2001	
182906	EMMITSBURG 2 SE, MD	3941N	7718W	416	6	1956-2001	
183348	FREDERICK POLICE BRKS, MD	3925N	7726W	380	6	1948-2001	
183675	GLENN DALE BELL STN, MD	3858N	7648W	150	4	1948-2001	
185111	LAUREL 3 W, MD	3906N	7654W	400	4	1949-2001	
185985	MILLINGTON 1 SE, MD	3916N	7552W	30	5	1948-2001	



186350	NATIONAL ARBORETUM DC, MD	3854N	7659W	50	4	1948-2001	
186620	OAKLAND 1 SE, MD	3924N	7924W	2,420	8	1948-2001	
187330	PRINCESS ANNE, MD	3813N	7541W	20	1	1948-2001	
187705	ROCKVILLE 1 NE, MD	3906N	7709W	440	6	1948-2001	
187806	ROYAL OAK 2 SSW, MD	3843N	7611W	10	2	1948-2001	
188000	SALISBURY, MD	3822N	7535W	10	1	1948-2001	
188005	SALISBURY FAA ARPT, MD	3820N	7531W	50	5	1948-2001	SBY
188065	SAVAGE RIVER DAM, MD	3931N	7908W	1,495	8	1948-2001	
188380	SNOW HILL 4 N, MD	3814N	7523W	30	5	1948-2001	
189070	UPPER MARLBORO 3 NNW, MD	3852N	7647W	100	4	1956-2001	
189140	VIENNA, MD	3829N	7549W	10	2	1949-2001	
190120	AMHERST, MA	4223N	7232W	150	2	1926-2001	
190408	BARRE FALLS DAM, MA	4226N	7202W	910	2	1959-2001	
190535	BEDFORD, MA	4229N	7117W	160	2	1957-2001	
190666	BIRCH HILL DAM, MA	4238N	7207W	864	2	1948-2001	
190736	BLUE HILL OBS MILTON, MA	4213N	7107W	630	2	1926-2001	MQE
190770	BOSTON LOGAN INTL AP, MA	4222N	7101W	20	3	1920-2001	BOS
190860	BROCKTON, MA	4203N	7100W	80	3	1948-2001	
190998	BUFFUMVILLE LAKE, MA	4207N	7154W	500	2	1959-2001	
192107	EAST BRIMFIELD LAKE, MA	4207N	7208W	680	2	1962-2001	
192451	EAST WAREHAM, MA	4146N	7040W	20	3	1926-2001	
192501	EDGARTOWN, MA	4123N	7031W	20	3	1948-2001	
193505	HAVERHILL, MA	4246N	7104W	18	2	1948-2001	
193624	HINGHAM, MA	4214N	7055W	30	3	1960-2001	
193821	HYANNIS, MA	4140N	7018W	50	3	1926-2001	
194105	LAWRENCE, MA	4242N	7110W	60	2	1926-2001	
194313	LOWELL, MA	4239N	7122W	110	2	1948-2001	
194744	MIDDLETON, MA	4236N	7101W	90	3	1948-2001	
195246	NEW BEDFORD, MA	4138N	7056W	70	3	1948-2001	
196486	PLYMOUTH-KINGSTON, MA	4159N	7042W	45	3	1948-2001	
196783	READING, MA	4231N	7108W	90	2	1960-2001	
196938	ROCHESTER, MA	4147N	7055W	60	3	1951-2001	
197627	SOUTHBRIDGE 3 SW, MA	4203N	7205W	720	2	1948-2001	
198367	TAUNTON, MA	4154N	7104W	20	3	1948-2001	
198573	TULLY LAKE, MA	4238N	7213W	690	2	1949-2001	
199316	WEST MEDWAY, MA	4208N	7126W	210	2	1957-2001	
199923	WORCESTER RGNL AP, MA	4216N	7153W	986	2	1948-2001	ORH

200032	ADRIAN 2 NNE, MI	4155N	8401W	760	10	1948-2001	
200128	ALLEGAN 5 NE, MI	4235N	8547W	750	8	1948-2001	
200146	ALMA, MI	4323N	8440W	760	6	1948-2001	
200164	ALPENA COLLINS AP, MI	4504N	8335W	689	4	1948-2001	APN
200169	ALPENA WASTEWATER PL, MI	4504N	8326W	590	4	1948-2001	
200230	ANN ARBOR UNIV OF MICH, MI	4218N	8343W	900	10	1897-2001	
200343	ATLANTA 5 WNW, MI	4502N	8414W	1,170	4	1948-2001	
200417	BAD AXE, MI	4348N	8300W	715	7	1948-2001	
200446	BALDWIN, MI	4354N	8551W	835	5	1948-2001	
200552	BATTLE CREEK 5 NW, MI	4222N	8516W	930	9	1948-2001	
200710	BENTON HARBOR AP, MI	4208N	8625W	628	8	1948-2001	BEH
200718	BERGLAND DAM, MI	4635N	8933W	1,300	1	1888-2001	
200779	BIG RAPIDS WATERWORKS, MI	4342N	8529W	930	6	1899-2001	
200864	BLOOMINGDALE, MI	4223N	8558W	725	8	1948-2001	
200925	BOYNE FALLS, MI	4510N	8455W	735	3	1961-2001	
201176	CADILLAC, MI	4416N	8524W	1,295	3	1948-2001	
201299	CARO REGIONAL CENTER, MI	4327N	8327W	670	7	1948-2001	
201439	CHAMPION VAN RIPER PRK, MI	4631N	8759W	1,565	1	1949-2001	
201476	CHARLOTTE, MI	4233N	8450W	902	9	1948-2001	
201492	CHEBOYGAN, MI	4539N	8428W	590	4	1948-2001	
201675	COLDWATER STATE SCHOOL, MI	4157N	8500W	984	9	1898-2001	
201896	CROSS VILLAGE 1 S, MI	4538N	8502W	743	3	1953-2001	
202015	DEARBORN, MI	4219N	8314W	605	10	1952-2001	
202094	DETOUR VILLAGE, MI	4600N	8354W	595	2	1948-2001	
202103	DETROIT METRO AP, MI	4214N	8320W	637	10	1958-2001	DTW
202250	DOWAGIAC 1 W, MI	4159N	8608W	740	8	1953-2001	
202381	EAST JORDAN, MI	4509N	8508W	590	3	1948-2001	
202395	EAST LANSING 4 S, MI	4240N	8429W	880	9	1957-2001	
202423	EAST TAWAS, MI	4417N	8330W	586	4	1948-2001	
202445	EAU CLAIRE 4 NE, MI	4201N	8615W	870	8	1948-2001	
202626	ESCANABA, MI	4545N	8702W	591	2	1948-2001	
202846	FLINT BISHOP INTL AP, MI	4258N	8345W	770	10	1948-2001	FNT
202984	FRANKFORT 2 NE, MI	4439N	8612W	865	3	1948-2001	
203096	GAYLORD, MI	4502N	8440W	1,350	4	1948-2001	
203170	GLADWIN, MI	4359N	8429W	775	6	1948-2001	
203290	GRAND HAVEN FIRE DEPT, MI	4304N	8613W	620	8	1948-2001	
203319	GRAND MARAIS 2 E, MI	4640N	8557W	624	2	1948-2001	

203333	GRAND RAPIDS INTL AP, MI	4253N	8531W	793	8	1963-2001	GRR
203391	GRAYLING, MI	4439N	8442W	1,140	4	1948-2001	
203429	GREENVILLE 2 NNE, MI	4312N	8515W	882	6	1948-2001	
203477	GROSSE POINTE FARMS, MI	4224N	8253W	613	10	1950-2001	
203504	GULL LAKE BIOL STA, MI	4224N	8523W	910	8	1948-2001	
203529	HALE LOUD DAM, MI	4428N	8343W	815	4	1948-2001	
203585	HARBOR BEACH 1 SSE, MI	4350N	8239W	600	7	1948-2001	
203628	HARRISVILLE 2 NNE, MI	4441N	8317W	585	4	1971-2001	
203632	HART, MI	4341N	8622W	700	5	1921-2001	
203661	HASTINGS, MI	4239N	8517W	820	9	1948-2001	
203744	HERMAN, MI	4640N	8821W	1,740	1	1968-2001	
203769	HESPERIA 4 WNW, MI	4335N	8606W	780	5	1948-2001	
203823	HILLSDALE, MI	4156N	8438W	1,080	9	1948-2001	
203858	HOLLAND, MI	4247N	8607W	610	8	1948-2001	
203908	HOUGHTON CO AP (HANCOCK), MI	4710N	8829W	1,074	1	1952-2001	CMX
203932	HOUGHTON LAKE 6 WSW, MI	4419N	8454W	1,135	4	1948-2001	
203936	HOUGHTON LAKE ROSCOMMON, MI	4422N	8441W	1,151	4	1964-2001	HTL
204078	IONIA 2 SSW, MI	4257N	8505W	805	9	1948-2001	
204090	IRON MTN-KINGSFORD WWTP, MI	4547N	8805W	1,060	1	1931-2001	
204104	IRONWOOD, MI	4628N	9011W	1,430	1	1901-2001	
204150	JACKSON CO AP, MI	4216N	8428W	998	9	1948-2001	JXN
204257	KALKASKA, MI	4444N	8510W	1,040	3	1948-2001	
204328	KENTON, MI	4629N	8853W	1,167	1	1948-2001	
204502	LAKE CITY EXP FARM, MI	4419N	8512W	1,240	3	1948-2001	
204641	LANSING CAPITAL CITY AP, MI	4247N	8435W	841	9	1948-2001	LAN
204655	LAPEER WWTP, MI	4304N	8318W	820	10	1948-2001	
204954	LUDINGTON 4 SE, MI	4354N	8624W	690	5	1948-2001	
204967	LUPTON 1 S, MI	4425N	8401W	900	4	1951-2001	
205065	MANISTEE 3 SE, MI	4413N	8618W	670	3	1948-2001	
205073	MANISTIQUE, MI	4557N	8615W	620	2	1948-2001	
205097	MAPLE CITY, MI	4451N	8551W	730	3	1959-2001	
205178	MARQUETTE, MI	4633N	8723W	665	1	1948-2001	
205184	MARQUETTE CO AP, MI	4632N	8733W	1,415	1	1959-2001	MQT
205434	MIDLAND, MI	4337N	8412W	640	6	1970-2001	
205452	MILFORD GM PROVING GR, MI	4235N	8341W	990	10	1948-2001	
205531	MIO HYDRO PLANT, MI	4440N	8408W	960	4	1948-2001	
205558	MONROE, MI	4155N	8324W	590	10	1931-2001	

205567	MONTAGUE 4 NW, MI	4328N	8625W	650	5	1950-2001	
205650	MOUNT CLEMENS ANG BASE, MI	4236N	8249W	580	10	1948-2001	MTC
205662	MT PLEASANT UNIV, MI	4335N	8446W	796	6	1948-2001	
205690	MUNISING, MI	4625N	8640W	680	2	1948-2001	
205712	MUSKEGON COUNTY AP, MI	4310N	8614W	625	5	1948-2001	MKG
205816	NEWBERRY 3 S, MI	4619N	8530W	850	2	1910-2001	
206184	ONAWAY STATE PARK, MI	4526N	8414W	690	4	1948-2001	
206300	OWOSSO WWTP, MI	4301N	8411W	730	9	1948-2001	
206438	PELLSTON RGNL AP, MI	4534N	8448W	715	3	1948-2001	PLN
206507	PETOSKEY, MI	4522N	8459W	610	3	1952-2001	
206680	PORT HURON, MI	4259N	8225W	590	10	1948-2001	
207227	SAGINAW TRI STATE AP, MI	4332N	8405W	660	7	1898-2000	MBS
207277	ST JAMES 2 S BEAVER IS, MI	4543N	8531W	670	3	1952-2001	
207280	ST JOHNS, MI	4301N	8433W	743	9	1948-2001	
207350	SANDUSKY, MI	4325N	8249W	774	7	1948-2001	
207366	SAULT STE MARIE AP, MI	4628N	8421W	718	2	1931-2001	ANJ
207515	SENEY WILDLIFE REFUGE, MI	4617N	8557W	710	2	1961-2001	
207690	SOUTH HAVEN, MI	4224N	8617W	620	8	1926-2001	
207812	STAMBAUGH 2 SSE, MI	4603N	8837W	1,560	1	1948-2001	
207820	STANDISH 5 SW, MI	4357N	8402W	645	7	1948-2001	
207867	STEPHENSON 8 WNW, MI	4527N	8745W	710	1	1948-2001	
208043	TAHQUAMENON FALLS STPK, MI	4636N	8513W	745	2	1968-2001	
208184	THREE RIVERS, MI	4156N	8538W	810	9	1948-2001	
208417	VANDERBILT 11 ENE, MI	4510N	8426W	925	4	1948-2001	
208800	WEST BRANCH 3 SE, MI	4415N	8412W	885	4	1948-2001	
208920	WHITEFISH POINT, MI	4645N	8459W	605	2	1952-2001	
209218	YPSILANTI E MICH UNIV, MI	4215N	8338W	780	10	1948-2001	
210018	ADA, MN	4718N	9631W	910	1	1948-2001	
210050	AGASSIZ REFUGE, MN	4818N	9559W	1,142	1	1961-2001	
210059	AITKIN 2 E, MN	4632N	9342W	1,215	6	1948-2001	
210075	ALBERT LEA 3 SE, MN	4337N	9318W	1,230	8	1948-2001	
210112	ALEXANDRIA CHANDLER AP, MN	4552N	9524W	1,416	4	1948-2001	AXN
210252	ARGYLE 4 E, MN	4820N	9644W	870	1	1890-2001	
210287	ARTICHOKE LAKE, MN	4523N	9609W	1,075	4	1948-2001	
210355	AUSTIN 3 S, MN	4337N	9259W	1,215	9	1948-2001	
210515	BAUDETTE, MN	4843N	9437W	1,075	2	1932-2001	BDE
210643	BEMIDJI, MN	4728N	9453W	1,350	2	1948-2001	

210667	BENSON, MN	4519N	9537W	1,040	4	1952-2001	
210746	BIG FALLS, MN	4812N	9348W	1,220	2	1948-2001	
210939	BRAINERD, MN	4622N	9412W	1,180	6	1908-2001	
211107	BUFFALO, MN	4511N	9352W	980	5	1948-2001	
211198	CALEDONIA, MN	4338N	9130W	1,175	9	1948-2001	
211227	CAMBRIDGE STATE HOSP, MN	4534N	9315W	960	6	1948-2001	
211245	CAMPBELL, MN	4606N	9625W	972	4	1948-2001	
211263	CANBY, MN	4443N	9617W	1,243	4	1932-2001	
211374	CASS LAKE, MN	4723N	9437W	1,296	2	1911-2001	
211390	CEDAR, MN	4520N	9317W	907	6	1962-2001	
211465	CHASKA, MN	4448N	9335W	720	5	1911-2001	
211630	CLOQUET, MN	4642N	9232W	1,265	6	1900-2001	
211691	COLLEGEVILLE ST JOHN, MN	4535N	9424W	1,225	5	1941-2001	
211840	COTTON, MN	4710N	9228W	1,329	3	1962-2001	
211891	CROOKSTON NW EXP STN, MN	4748N	9636W	888	1	1890-2001	
212142	DETROIT LAKES 1 NNE, MN	4650N	9551W	1,375	1	1932-2001	
212246	DULUTH HARBOR STA, MN	4646N	9205W	610	3	1933-2001	
212248	DULUTH INTL AP, MN	4650N	9213W	1,422	3	1948-2001	DLH
212698	FAIRMONT, MN	4339N	9428W	1,187	8	1948-2001	
212721	FARIBAULT, MN	4419N	9317W	940	8	1948-2001	
212737	FARMINGTON 3 NW, MN	4440N	9311W	980	9	1948-2001	
212768	FERGUS FALLS, MN	4618N	9607W	1,250	4	1948-2001	
212881	FOREST LAKE 5 NE, MN	4521N	9255W	960	6	1958-2001	
212916	FOSSTON 1 E, MN	4734N	9543W	1,310	1	1948-2001	
213076	GAYLORD, MN	4433N	9413W	1,018	5	1956-2001	
213104	GEORGETOWN 1 E, MN	4705N	9647W	885	1	1962-2001	
213174	GLENWOOD 2 WNW, MN	4540N	9527W	1,198	4	1948-2001	
213282	GRAND MARAIS, MN	4744N	9022W	612	3	1932-2001	
213290	GRAND MEADOW, MN	4342N	9234W	1,350	9	1932-2001	
213296	GRAND PORTAGE RNG STN, MN	4758N	8941W	730	3	1950-2001	
213303	GRAND RAPIDS FOREST LAB, MN	4715N	9330W	1,310	2	1915-2001	
213411	GULL LAKE DAM, MN	4625N	9422W	1,215	3	1919-2001	
213417	GUNFLINT LAKE 10 NW, MN	4810N	9053W	1,455	3	1951-2001	
213567	HASTINGS DAM 2, MN	4446N	9252W	695	9	1948-2001	
213730	HIBBING CHISHOLM AP, MN	4723N	9250W	1,347	3	1962-2001	HIB
213793	HINCKLEY, MN	4559N	9253W	1,035	6	1937-2001	
213962	HUTCHINSON 1 N, MN	4456N	9422W	1,095	5	1948-2001	

214026	INTL FALLS AP, MN	4834N	9324W	1,179	2	1933-2001	INL
214068	ISABELLA 1 W, MN	4737N	9123W	2,010	3	1957-2001	
214103	ISLE 12 N, MN	4619N	9332W	1,285	6	1959-2001	
214106	ITASCA UNIV OF MINNESOTA, MN	4713N	9512W	1,490	1	1912-2001	
214176	JORDAN 1 S, MN	4439N	9337W	930	5	1948-2001	
214233	KELLIHER, MN	4757N	9427W	1,390	2	1963-2001	
214546	LAMBERTON SW EXP STN, MN	4415N	9519W	1,144	7	1961-2001	
214652	LEECH LAKE DAM, MN	4715N	9413W	1,302	2	1948-2001	
214778	LITCHFIELD, MN	4508N	9432W	1,132	5	1948-2001	
214793	LITTLE FALLS 1 N, MN	4600N	9421W	1,120	5	1932-2001	
214861	LONG PRAIRIE, MN	4559N	9452W	1,290	5	1948-2001	
214937	LUVERNE, MN	4340N	9612W	1,500	7	1950-2000	
214994	MADISON SEWAGE PLANT, MN	4500N	9611W	1,080	4	1948-2001	
215204	MARSHALL, MN	4428N	9547W	1,152	7	1948-2001	
215325	MELROSE, MN	4541N	9450W	1,210	5	1954-2001	
215392	MILACA, MN	4546N	9338W	1,102	6	1948-2001	
215400	MILAN 1 NW, MN	4508N	9556W	1,020	4	1948-2001	
215435	MINNEAPOLIS INTL AP, MN	4453N	9314W	834	6	1891-2001	MSP
215563	MONTEVIDEO 1 SW, MN	4456N	9545W	985	4	1948-2001	
215598	MOOSE LAKE 1 SSE, MN	4626N	9245W	1,110	6	1948-2001	
215615	MORA, MN	4553N	9318W	1,005	6	1932-2001	
215638	MORRIS WC EXP STN, MN	4536N	9553W	1,140	4	1886-2001	
215842	NEW LONDON, MN	4518N	9457W	1,240	5	1948-2001	
215887	NEW ULM 2 SE, MN	4418N	9427W	860	8	1948-2001	
216276	OTTERTAIL, MN	4625N	9534W	980	4	1948-2001	
216287	OWATONNA, MN	4406N	9314W	1,150	8	1961-2001	
216547	PINE RIVER DAM, MN	4640N	9407W	1,250	6	1901-2001	
216565	PIPESTONE, MN	4401N	9620W	1,705	7	1877-2001	
216612	POKEGAMA DAM, MN	4715N	9335W	1,280	2	1948-2001	
216654	PRESTON, MN	4340N	9204W	930	9	1952-2001	
216787	RED LAKE FALLS, MN	4753N	9617W	1,075	1	1948-2001	
216795	RED LAKE INDIAN AGENCY, MN	4753N	9501W	1,220	2	1948-2001	
216822	RED WING DAM 3, MN	4437N	9237W	677	9	1948-2001	
216835	REDWOOD FALLS MUNICIPAL, MN	4433N	9505W	1,025	7	1932-2001	RWF
216849	REMER NO 2, MN	4704N	9355W	1,345	2	1957-2000	
217004	ROCHESTER MUNICIPAL AP, MN	4354N	9230W	1,304	9	1948-2001	RST
217087	ROSEAU 1 E, MN	4851N	9546W	1,047	1	1948-2001	

217107	ROSEMOUNT AGRI EXP STN, MN	4443N	9306W	950	9	1950-2001	
217149	ROTHSAY, MN	4629N	9617W	1,236	4	1959-2001	
217294	ST CLOUD MUNICIPAL AP, MN	4533N	9403W	1,009	5	1948-2001	STC
217326	ST JAMES FILT PLANT, MN	4400N	9437W	1,100	8	1948-2001	
217377	ST PAUL, MN	4458N	9302W	900	6	1956-2001	
217405	ST PETER 2 SW, MN	4418N	9359W	850	8	1948-2001	
217460	SANDY LAKE DAM LIBBY, MN	4648N	9319W	1,234	6	1948-2001	
217502	SANTIAGO 3 E, MN	4533N	9346W	1,020	5	1959-2001	
217907	SPRINGFIELD 1 NW, MN	4415N	9459W	1,066	8	1948-2001	
218025	STEWART, MN	4444N	9421W	1,040	5	1957-2001	
218037	STILLWATER 1 SE, MN	4503N	9248W	710	6	1948-2001	
218227	THEILMAN, MN	4417N	9211W	730	9	1948-2001	
218254	THORHULT 1 S, MN	4813N	9515W	1,190	2	1948-2001	
218311	TOWER 3 S, MN	4745N	9217W	1,460	3	1948-2001	
218323	TRACY, MN	4414N	9538W	1,403	7	1948-2001	
218419	TWO HARBORS, MN	4702N	9140W	625	3	1948-2001	
218579	WADENA 3 S, MN	4624N	9509W	1,350	5	1932-2001	
218618	WALKER AH GWAH CHING, MN	4704N	9434W	1,410	2	1948-2001	
218679	WARROAD, MN	4855N	9519W	1,069	1	1948-2001	
218692	WASECA EXP STATION, MN	4404N	9332W	1,153	8	1915-2001	
218700	WASKISH 4 NE, MN	4812N	9426W	1,200	2	1948-2001	
218808	WELLS, MN	4344N	9344W	1,197	8	1948-2001	
218907	WHEATON, MN	4548N	9630W	1,018	4	1933-2001	
219004	WILLMAR STATE HOSPITAL, MN	4508N	9501W	1,128	5	1932-2001	
219033	WINDOM, MN	4352N	9507W	1,375	7	1948-2001	
219046	WINNEBAGO, MN	4346N	9411W	1,110	8	1932-2001	
219067	WINONA, MN	4403N	9138W	652	9	1932-2001	
219072	WINONA DAM 5 A, MN	4405N	9140W	663	9	1948-2001	
219170	WORTHINGTON 2 NNE, MN	4339N	9535W	1,570	7	1971-2001	
219173	WRIGHT 4 NW, MN	4643N	9304W	1,295	6	1961-2001	
220021	ABERDEEN, MS	3350N	8831W	198	6	1948-2001	
220488	BATESVILLE 2 SW, MS	3418N	8959W	220	2	1948-2001	
220660	BELZONI, MS	3312N	9029W	110	4	1948-2001	
220792	BILOXI, MS	3023N	8859W	10	10	1948-2001	
220955	BOONEVILLE, MS	3440N	8834W	490	3	1948-2001	
221094	BROOKHAVEN CITY, MS	3133N	9027W	435	7	1930-2001	
221314	CALHOUN CITY 2 NW, MS	3352N	8921W	268	2	1948-2001	

221389	CANTON 4 N, MS	3240N	9002W	250	5	1948-2001	
221489	CARTHAGE 3 SW, MS	3244N	8933W	370	5	1955-2001	
221606	CHARLESTON 1 N, MS	3401N	9003W	240	1	1948-2001	
221707	CLARKSDALE, MS	3412N	9034W	173	1	1930-2001	
221852	COLLINS, MS	3138N	8933W	290	8	1930-2001	
221865	COLUMBIA, MS	3115N	8950W	155	8	1930-2001	
221962	CORINTH CITY, MS	3455N	8831W	385	3	1930-2001	
222094	CRYSTAL SPRINGS EXP STN, MS	3158N	9022W	487	7	1948-2001	
222385	D LO 2 SW, MS	3157N	8956W	335	8	1948-2001	
222896	EUPORA 2 E, MS	3333N	8914W	440	5	1948-2001	
223107	FOREST 3 S, MS	3219N	8929W	480	5	1930-2001	
223208	FULTON 3 W, MS	3416N	8827W	350	3	1948-2001	
223605	GREENVILLE, MS	3323N	9101W	132	4	1920-2001	
223627	GREENWOOD LEFLORE AP, MS	3330N	9005W	155	4	1948-2001	GWO
223645	GRENADA 5 NNE, MS	3353N	8947W	280	2	1930-2001	
223671	GULFPORT NAVAL CENTER, MS	3023N	8908W	35	10	1948-2001	
223887	HATTIESBURG 5 SW, MS	3115N	8920W	385	9	1948-2001	
223975	HERNANDO 5 S, MS	3445N	8959W	380	2	1930-2001	
224001	HICKORY FLAT, MS	3437N	8911W	400	2	1948-2001	
224173	HOLLY SPRINGS 4 N, MS	3449N	8926W	483	2	1948-2001	
224265	HOUSTON, MS	3355N	8900W	270	6	1948-2001	
224377	INDEPENDENCE 1 W, MS	3442N	8949W	345	2	1957-2001	
224472	JACKSON THOMPSON AP, MS	3219N	9005W	310	5	1963-2001	JAN
224702	KIPLING 3 NW, MS	3243N	8840W	377	6	1948-2000	
224776	KOSCIUSKO, MS	3303N	8936W	410	5	1948-2001	
224939	LAUREL, MS	3141N	8907W	225	9	1891-2001	
225062	LEXINGTON 2 NNW, MS	3308N	9004W	315	5	1948-2001	
225070	LIBERTY 5 W, MS	3110N	9054W	345	7	1949-2001	
225247	LOUISVILLE, MS	3308N	8904W	581	6	1930-2000	
225614	MCCOMB PIKE CO AP, MS	3111N	9028W	413	8	1948-2001	MCB
225704	MEADVILLE, MS	3128N	9053W	345	7	1956-2001	
225776	MERIDIAN KEY AP, MS	3220N	8845W	294	9	1948-2001	MEI
225897	MINTER CITY 2 SE, MS	3343N	9016W	140	4	1955-2001	
225987	MONTICELLO, MS	3136N	9008W	205	8	1948-2001	
226009	MOORHEAD, MS	3327N	9031W	117	4	1940-2001	
226177	NATCHEZ, MS	3133N	9123W	195	7	1930-2001	
226308	NEWTON EXP STN, MS	3220N	8905W	349	9	1948-2001	



226476	OAKLEY EXP STA, MS	3212N	9031W	205	7	1948-2001	
226718	PASCAGOULA 3 NE, MS	3024N	8829W	11	10	1948-2001	
226811	PELAHATCHIE, MS	3219N	8947W	370	5	1948-2000	
226894	PHILADELPHIA 1 WSW, MS	3246N	8908W	413	6	1949-2001	
226921	PICAYUNE, MS	3031N	8942W	59	10	1948-2001	
226926	PICKENS, MS	3253N	8958W	238	5	1948-2001	
227111	PONTOTOC EXP STN, MS	3409N	8900W	405	3	1953-2001	
227128	POPLARVILLE EXP STN, MS	3051N	8933W	313	10	1930-2001	
227132	PORT GIBSON 3 NE, MS	3200N	9057W	120	7	1930-2001	
227252	QUITMAN 1 N, MS	3204N	8843W	300	9	1954-2001	
227444	RICHTON 3 SSE, MS	3118N	8854W	165	9	1958-2001	
227467	RIPLEY, MS	3444N	8857W	520	3	1948-2001	
227560	ROLLING FORK, MS	3254N	9053W	105	4	1948-2001	
227840	SAUCIER EXP FOREST, MS	3038N	8903W	229	10	1954-2001	
228374	STATE UNIVERSITY, MS	3328N	8847W	185	6	1930-2001	
228445	STONEVILLE EXP STN, MS	3327N	9055W	127	4	1920-2001	
228998	TUNICA 2, MS	3441N	9023W	199	1	1959-2001	
229003	TUPELO RGNL AP, MS	3416N	8846W	361	3	1962-2001	TUP
229048	TYLERTOWN 2 WNW, MS	3107N	9010W	440	8	1948-2001	
229079	UNIVERSITY, MS	3423N	8932W	380	2	1930-2001	
229216	VICKSBURG MILITARY PARK, MS	3221N	9051W	255	7	1967-2001	
229400	WATER VALLEY 1 NNE, MS	3410N	8938W	376	2	1948-2001	
229439	WAYNESBORO 2 W, MS	3141N	8840W	200	9	1954-2001	
229639	WIGGINS, MS	3052N	8908W	160	10	1948-2001	
229743	WINONA 5 E, MS	3329N	8938W	390	5	1953-2001	
229793	WOODVILLE 4 ESE, MS	3106N	9114W	400	7	1948-2001	
229860	YAZOO CITY 5 NNE, MS	3254N	9023W	107	4	1960-2001	
230022	ADVANCE 1 S, MO	3706N	8954W	360	6	1948-2001	
230127	ALTON 6 SE, MO	3638N	9118W	810	5	1948-2001	
230143	AMITY 4 NE, MO	3953N	9422W	974	1	1948-2001	
230164	ANDERSON, MO	3639N	9426W	1,050	4	1948-2001	
230204	APPLETON CITY, MO	3811N	9402W	800	3	1948-2001	
230224	ARCADIA 3 N, MO	3738N	9037W	1,010	5	1918-2000	
230608	BETHANY, MO	4015N	9402W	949	1	1918-2001	
230657	BILLINGS 2 N, MO	3705N	9333W	1,352	4	1962-2001	
230789	BOLIVAR 1 NE, MO	3737N	9323W	1,034	4	1918-2001	
230817	BOONVILLE, MO	3858N	9245W	670	3	1948-2001	

230856	BOWLING GREEN 2 NE, MO	3922N	9111W	710	2	1948-2001	
230980	BROOKFIELD, MO	3946N	9304W	767	1	1948-2001	
231037	BRUNSWICK, MO	3926N	9307W	660	1	1918-2001	
231101	BUNKER 4 N, MO	3731N	9112W	1,200	5	1948-2001	
231145	BUTLER, MO	3815N	9420W	790	3	1948-2001	
231189	CALIFORNIA, MO	3838N	9234W	870	3	1954-2001	
231275	CANTON L AND D 20, MO	4009N	9131W	490	2	1948-2001	
231289	CAPE GIRARDEAU AP, MO	3714N	8934W	337	5	1960-2001	CGI
231340	CARROLLTON, MO	3921N	9329W	705	1	1948-2001	
231356	CARTHAGE 5 S, MO	3706N	9419W	1,050	4	1948-2001	
231364	CARUTHERSVILLE, MO	3610N	8940W	280	6	1918-2001	
231383	CASSVILLE RANGER STN, MO	3640N	9351W	1,340	4	1918-2001	
231540	CHARLESTON, MO	3656N	8921W	330	6	1951-2001	
231674	CLEARWATER DAM, MO	3708N	9047W	660	5	1948-2001	
231711	CLINTON, MO	3824N	9343W	770	3	1918-2001	
231791	COLUMBIA RGNL AP, MO	3849N	9213W	893	2	1969-2001	COU
231822	CONCEPTION, MO	4015N	9441W	1,108	1	1948-2001	
232289	DONIPHAN, MO	3637N	9049W	330	5	1948-2001	
232302	DORA, MO	3647N	9214W	990	4	1948-2001	
232503	ELDON, MO	3821N	9235W	930	3	1948-2001	
232591	ELSBERRY 1 S, MO	3909N	9047W	450	2	1931-2001	
232809	FARMINGTON, MO	3748N	9025W	900	5	1918-2001	
232850	FESTUS, MO	3816N	9024W	600	5	1960-2001	
233038	FREDERICKTOWN, MO	3734N	9019W	719	5	1948-2001	
233043	FREEDOM, MO	3828N	9142W	745	2	1962-2001	
233079	FULTON, MO	3851N	9156W	870	2	1918-2001	
233094	GALENA 1 SW, MO	3648N	9329W	1,100	4	1948-2001	
233102	GALLATIN 4 W, MO	3956N	9403W	925	1	1948-2001	
233369	GRANT CITY, MO	4029N	9424W	1,130	1	1948-2001	
233483	GROVESPRING 3 N, MO	3726N	9236W	1,360	4	1949-2001	
233568	HAMILTON 2 W, MO	3945N	9402W	900	1	1954-2001	
233601	HANNIBAL WATER WORKS, MO	3943N	9122W	712	2	1948-2001	
234019	HOUSTON 1 NE, MO	3720N	9157W	1,293	5	1951-2001	
234226	JACKSON, MO	3723N	8940W	440	5	1930-2001	
234271	JEFFERSON CITY WTR PL, MO	3835N	9211W	670	3	1918-2001	
234315	JOPLIN RGNL AP, MO	3709N	9430W	980	4	1948-2001	JLN
234359	KANSAS CITY DOWNTOWN AP, MO	3907N	9436W	742	1	1948-2001	MKC

234417	KENNETT RADIO KBOA, MO	3613N	9004W	270	6	1953-2001	
234544	KIRKSVILLE, MO	4012N	9234W	970	2	1918-2001	
234694	LAKESIDE, MO	3812N	9237W	592	3	1948-2001	
234705	LAMAR, MO	3730N	9416W	980	4	1948-2001	
234825	LEBANON 2 W, MO	3741N	9242W	1,279	4	1918-2001	
234850	LEES SUMMIT REED WLR, MO	3853N	9420W	1,000	1	1962-2001	
234904	LEXINGTON 3 NE, MO	3912N	9352W	825	1	1918-2001	
234919	LICKING 4 N, MO	3733N	9153W	1,180	5	1948-2001	
235027	LOCKWOOD, MO	3723N	9357W	1,080	4	1918-2001	
235207	MALDEN MUNICIPAL AP, MO	3637N	8959W	290	6	1960-2001	
235227	MANSFIELD, MO	3707N	9235W	1,520	4	1948-2001	
235253	MARBLE HILL, MO	3718N	8958W	390	5	1948-2001	
235298	MARSHALL, MO	3907N	9313W	790	2	1948-2001	
235307	MARSHFIELD, MO	3720N	9255W	1,490	4	1948-2001	
235340	MARYVILLE 2 E, MO	4021N	9450W	985	1	1918-2001	
235492	MEMPHIS, MO	4028N	9210W	770	2	1948-2001	
235541	MEXICO, MO	3911N	9153W	802	2	1948-2001	
235671	MOBERLY, MO	3925N	9226W	840	2	1936-2001	
235834	MOUNTAIN GROVE 2 N, MO	3709N	9216W	1,450	4	1918-2001	
235862	MT VERNON M U SW CTR, MO	3704N	9353W	1,190	4	1961-2001	
235976	NEOSHO, MO	3652N	9422W	1,011	4	1918-2001	
235987	NEVADA WATER PLANT, MO	3750N	9422W	820	3	1918-2001	
236012	NEW FRANKLIN 1 W, MO	3901N	9245W	641	1	1956-2001	
236045	NEW MADRID, MO	3635N	8931W	310	6	1963-2001	
236302	OLDFIELD, MO	3659N	9301W	1,240	4	1955-2001	
236357	OREGON, MO	3959N	9509W	1,045	1	1948-2001	
236402	OSCEOLA, MO	3803N	9342W	766	3	1955-2001	
236460	OZARK BEACH, MO	3640N	9308W	700	4	1948-2001	
236641	PERRYVILLE WATER PLANT, MO	3744N	8955W	480	5	1948-2001	
236739	PLATTSBURG, MO	3935N	9427W	900	1	1966-2001	
236777	POMME DE TERRE DAM, MO	3754N	9319W	900	3	1961-2001	
236791	POPLAR BLUFF, MO	3646N	9024W	370	6	1918-2001	
236804	PORTAGEVILLE, MO	3625N	8942W	280	6	1965-2001	
236866	PRINCETON 6 SW, MO	4022N	9344W	980	1	1952-2001	
237263	ROLLA UNI OF MISSOURI, MO	3757N	9147W	1,167	5	1918-2001	
237397	ST CHARLES ELM POINT, MO	3849N	9031W	467	2	1918-2001	
237452	ST LOUIS SCIENCE CTR, MO	3838N	9016W	540	2	1968-2001	

237455	ST LOUIS INTL AP, MO	3845N	9022W	568	2	1941-2001	STL
237506	SALEM, MO	3738N	9132W	1,200	5	1918-2001	
237514	SALISBURY, MO	3925N	9249W	730	1	1948-2001	
237578	SAVERTON LOCK & DAM 22, MO	3938N	9115W	472	2	1948-2001	
237632	SEDALIA WATER PLANT, MO	3840N	9313W	780	3	1937-2001	
237645	SELIGMAN, MO	3633N	9356W	1,530	4	1921-2001	
237720	SHELBINA, MO	3942N	9203W	740	2	1948-2001	
237772	SIKESTON POWER STATION, MO	3653N	8937W	310	6	1950-2001	
237963	SPICKARD 7 W, MO	4015N	9343W	875	1	1957-2001	
237976	SPRINGFIELD REG AP, MO	3714N	9323W	1,259	4	1948-2001	SGF
238043	STEELVILLE 2 N, MO	3800N	9122W	700	5	1948-2001	
238051	STEFFENVILLE, MO	3958N	9153W	690	2	1918-2001	
238082	STOCKTON DAM, MO	3742N	9346W	924	3	1970-2001	
238184	SUMMERSVILLE, MO	3711N	9139W	1,180	5	1948-2001	
238223	SWEET SPRINGS, MO	3858N	9325W	680	2	1948-2001	
238289	TARKIO, MO	4027N	9524W	1,040	1	1918-2001	
238444	TRENTON, MO	4005N	9337W	837	1	1918-2001	
238515	UNION, MO	3827N	9100W	540	3	1948-2001	
238577	VANDALIA, MO	3919N	9129W	760	2	1948-2001	
238603	VERSAILLES, MO	3826N	9251W	1,030	3	1950-2001	
238614	VICHY ROLLA NATL AP, MO	3808N	9146W	1,102	5	1948-2001	VIH
238620	VIENNA 2 WNW, MO	3812N	9159W	770	5	1948-2001	
238700	WAPPAPELLO DAM, MO	3656N	9017W	410	6	1948-2001	
238712	WARRENSBURG 4 NW, MO	3847N	9348W	796	3	1918-2001	
238725	WARRENTON 1 N, MO	3849N	9108W	850	2	1918-2001	
238754	WASOLA, MO	3648N	9234W	1,290	4	1948-2001	
238777	WAYNESVILLE 2 W, MO	3749N	9214W	890	5	1949-2001	
238805	WELDON SPRING NWS, MO	3842N	9041W	584	2	1957-2001	
238880	WEST PLAINS, MO	3645N	9150W	1,010	5	1948-2001	
238995	WILLOW SPRG RADIO KUKU, MO	3659N	9159W	1,310	5	1948-2001	
239032	WINDSOR, MO	3832N	9332W	840	3	1948-2001	
240088	ALBION 1 N, MT	4513N	10416W	3,312	7	1948-2001	
240110	ALDER 17 S, MT	4504N	11203W	5,850	2	1956-2001	
240364	AUGUSTA, MT	4730N	11224W	4,070	4	1896-2001	
240375	AUSTIN 1 W, MT	4638N	11216W	4,790	4	1950-2001	
240392	BABB 6 NE, MT	4856N	11322W	4,300	3	1948-2001	
240432	BALLANTINE, MT	4557N	10809W	3,000	5	1919-2001	

240622	BELGRADE AP (BOZEMAN), MT	4548N	11109W	4,427	2	1941-2001	BZN
240743	BIDDLE 8 SW, MT	4502N	10529W	3,597	7	1963-2001	
240755	BIGFORK 13 S, MT	4753N	11402W	2,910	1	1938-2001	
240770	BIG SANDY, MT	4808N	11004W	2,770	3	1921-2001	
240780	BIG TIMBER, MT	4550N	10957W	4,100	5	1894-2001	
240802	BILLINGS WATER PLANT, MT	4546N	10829W	3,097	5	1894-2001	
240807	BILLINGS INTL AP, MT	4548N	10833W	3,567	5	1948-2001	BIL
240877	BLACKLEAF, MT	4801N	11226W	4,235	3	1949-2001	
240923	BLOOMFIELD 5 NNE, MT	4732N	10452W	2,680	6	1968-2001	
241008	BOULDER, MT	4614N	11207W	4,904	2	1880-2001	
241044	BOZEMAN MONTANA ST UNIV, MT	4540N	11103W	4,913	2	1892-2001	
241047	BOZEMAN 6 W EXP FARM, MT	4541N	11109W	4,775	2	1966-2001	
241084	BRANDENBERG, MT	4549N	10614W	2,770	7	1956-2001	
241088	BREDETTE, MT	4833N	10516W	2,687	6	1950-2001	
241102	BRIDGER 2 N, MT	4520N	10855W	3,630	5	1900-2001	
241127	BROADUS, MT	4527N	10525W	3,032	7	1948-2001	4BQ
241169	BROCKWAY 3 WSW, MT	4717N	10550W	2,630	6	1959-2001	
241297	BUSBY, MT	4532N	10658W	3,430	5	1944-2001	
241318	BUTTE MOONEY AP, MT	4557N	11230W	5,540	2	1880-2001	BTM
241518	CARLYLE 12 NW, MT	4645N	10417W	3,029	7	1962-2001	
241552	CASCADE 5 S, MT	4713N	11143W	3,360	4	1904-2001	
241557	CASCADE 20 SSE, MT	4700N	11135W	4,600	4	1876-2001	
241692	CHESTER, MT	4831N	11058W	3,165	3	1948-2001	
241722	CHINOOK, MT	4835N	10914W	2,345	3	1948-2001	
241737	CHOTEAU, MT	4749N	11212W	3,845	3	1893-2001	
241758	CIRCLE, MT	4725N	10535W	2,440	6	1963-2001	
241875	COHAGEN, MT	4703N	10637W	2,715	6	1950-2001	
241905	COLSTRIP, MT	4554N	10638W	3,218	7	1948-2001	
241938	COLUMBUS, MT	4538N	10916W	3,585	5	1948-2001	
241974	CONRAD, MT	4811N	11158W	3,550	3	1911-2001	
241984	CONTENT 3 SSE, MT	4759N	10733W	2,340	3	1950-2001	
241995	COOKE CITY 2 W, MT	4501N	10958W	7,460	5	1967-2001	
242104	CRESTON, MT	4811N	11408W	2,940	1	1949-2001	
242122	CULBERTSON, MT	4809N	10431W	1,920	6	1900-2001	
242173	CUT BANK MUNICIPAL AP, MT	4837N	11223W	3,838	3	1903-2000	CTB
242221	DARBY, MT	4601N	11411W	3,880	1	1948-2001	
242275	DEER LODGE 3 W, MT	4623N	11248W	4,850	1	1959-2001	

242301	DEL BONITA, MT	4900N	11247W	4,337	3	1951-2001	
242347	DENTON, MT	4719N	10956W	3,610	4	1948-2001	
242409	DILLON WMCE, MT	4513N	11239W	5,228	2	1895-2001	
242421	DIVIDE, MT	4545N	11245W	5,350	2	1915-2001	
242500	DRUMMOND AVIATION, MT	4638N	11311W	4,000	1	1963-2001	3DU
242629	EAST GLACIER, MT	4827N	11313W	4,806	3	1953-2001	
242689	EKALAKA, MT	4553N	10433W	3,425	7	1896-2001	
242793	ENNIS, MT	4521N	11143W	4,953	2	1948-2001	
242827	EUREKA RANGER STN, MT	4854N	11504W	2,532	1	1960-2001	
242857	FAIRFIELD, MT	4737N	11159W	3,983	3	1948-2001	
243013	FLATWILLOW 4 ENE, MT	4651N	10819W	3,138	4	1913-2001	
243110	FORT ASSINNIBOINE, MT	4830N	10948W	2,613	3	1917-2001	
243113	FORT BENTON, MT	4749N	11040W	2,636	3	1948-2001	
243139	FORTINE 1 N, MT	4847N	11455W	3,000	1	1906-2001	
243176	FORT PECK POWER PLANT, MT	4801N	10625W	2,070	6	1956-2001	
243378	GARDINER, MT	4502N	11042W	5,275	5	1956-2001	
243445	GERALDINE, MT	4736N	11016W	3,130	3	1950-2001	
243489	GIBSON DAM, MT	4736N	11245W	4,590	4	1948-2001	
243530	GILDFORD, MT	4834N	11018W	2,820	3	1958-2001	
243558	GLASGOW INTL AP, MT	4813N	10637W	2,294	6	1955-2001	GGW
243570	GLEN 2 E, MT	4528N	11239W	4,960	2	1958-2001	
243581	GLENDIVE, MT	4706N	10443W	2,076	6	1893-2001	
243617	GOLDBUTTE 7 N, MT	4859N	11124W	3,498	3	1948-2001	
243727	GRASS RANGE, MT	4702N	10848W	3,490	4	1948-2001	
243751	GREAT FALLS INTL AP, MT	4728N	11123W	3,664	4	1948-2001	GTF
243885	HAMILTON, MT	4614N	11410W	3,529	1	1895-2001	
243915	HARDIN, MT	4544N	10737W	2,905	5	1948-2001	
243929	HARLEM 4 W, MT	4833N	10852W	2,362	3	1948-2001	
243939	HARLOWTON, MT	4626N	10950W	4,162	4	1948-2001	3HT
243984	HAUGAN 3 E (DEBORCIA), MT	4723N	11521W	3,100	1	1912-2001	
243996	HAVRE CITY CO AP, MT	4833N	10946W	2,585	3	1961-2001	HVR
244038	HEBGEN DAM, MT	4452N	11120W	6,489	2	1948-2001	
244055	HELENA AP, MT	4636N	11158W	3,828	4	1893-2001	HLN
244084	HERON 2 NW, MT	4804N	11559W	2,240	1	1912-2001	
244180	HINSDALE 4 SW, MT	4821N	10709W	2,675	6	1971-2001	
244241	HOLTER DAM, MT	4659N	11201W	3,487	4	1948-2001	
244328	HUNGRY HORSE DAM, MT	4821N	11401W	3,160	1	1948-2001	

244345	HUNTLEY EXPERIMENT STN, MT	4555N	10815W	3,000	5	1911-2001	
244358	HYSHAM, MT	4618N	10714W	2,660	5	1948-2001	
244364	HYSHAM 25 SSE, MT	4556N	10708W	3,100	5	1951-2001	
244368	ILIAD, MT	4748N	10949W	2,965	3	1950-2001	
244386	INGOMAR 14 NE, MT	4644N	10712W	2,795	7	1953-2001	
244447	JACKSON, MT	4522N	11325W	6,480	2	1949-2001	
244506	JOLIET, MT	4529N	10859W	3,700	5	1951-2001	
244512	JOPLIN, MT	4834N	11046W	3,325	3	1948-2001	
244522	JORDAN, MT	4719N	10655W	2,640	6	1905-2001	
244545	JUDITH GAP 13 E, MT	4640N	10929W	5,100	4	1964-2001	
244558	KALISPELL GLACIER PK AP, MT	4818N	11416W	2,957	1	1899-2001	FCA
244820	LAKEVIEW, MT	4436N	11149W	6,710	2	1948-2001	
244954	LENNEP 5 SW, MT	4622N	11036W	5,600	4	1959-2001	
244985	LEWISTOWN MUNICIPAL AP, MT	4703N	10928W	4,145	4	1896-2001	LWT
245015	LIBBY 1 NE RS, MT	4824N	11532W	2,096	1	1895-2001	
245020	LIBBY 32 SSE, MT	4758N	11514W	3,600	1	1949-2001	
245030	LIMA, MT	4438N	11235W	6,273	2	1898-2001	
245040	LINCOLN RANGER STN, MT	4657N	11239W	4,575	4	1948-2001	
245043	LINDBERGH LAKE, MT	4725N	11343W	4,320	1	1959-2001	
245086	LIVINGSTON AP, MT	4542N	11027W	4,653	5	1948-2001	LVM
245153	LOMA 1 WNW, MT	4757N	11032W	2,580	3	1950-2001	
245340	MALTA 35 S, MT	4751N	10757W	2,650	3	1959-2001	
245387	MARTINSDALE 3 NNW, MT	4630N	11020W	4,800	4	1948-2001	
245572	MEDICINE LAKE 3 SE, MT	4829N	10427W	1,952	6	1911-2001	
245596	MELSTONE, MT	4636N	10752W	2,920	4	1948-2001	
245603	MELVILLE 4 W, MT	4606N	11003W	5,365	5	1960-2001	
245690	MILES CITY AP, MT	4626N	10553W	2,628	7	1937-2001	MLS
245735	MISSOULA 2 NE, MT	4654N	11358W	3,420	1	1966-2001	
245745	MISSOULA INTL AP, MT	4655N	11406W	3,192	1	1948-2001	MSO
245754	MIZPAH 4 NNW, MT	4617N	10518W	2,480	7	1949-2001	
245761	MOCCASIN EXPERIMENT STN, MT	4703N	10957W	4,300	4	1909-2001	
245870	MOORHEAD 9 NE, MT	4511N	10545W	3,220	7	1958-2001	
245872	MOSBY 4 ENE, MT	4701N	10749W	2,790	6	1959-2001	
245961	MYSTIC LAKE, MT	4515N	10944W	6,558	5	1948-2001	
246008	NEIHART 8 NNW, MT	4702N	11047W	5,230	4	1967-2001	
246157	NORRIS MADISON PUMP HS, MT	4529N	11138W	4,745	2	1907-2001	
246218	OLNEY, MT	4833N	11434W	3,165	1	1962-2001	

246236	OPHEIM 10 N, MT	4900N	10623W	2,980	6	1956-2001	
246238	OPHEIM 12 SSE, MT	4842N	10619W	2,950	6	1948-2001	
246472	PHILIPSBURG R S, MT	4618N	11318W	5,270	1	1955-2001	
246601	PLEVNA, MT	4625N	10431W	2,780	7	1910-2001	
246615	POLEBRIDGE, MT	4846N	11417W	3,520	1	1948-2000	
246635	POLSON, MT	4740N	11412W	2,990	1	1906-2001	
246640	POLSON KERR DAM, MT	4741N	11414W	2,730	1	1951-2001	
246685	POTOMAC, MT	4653N	11334W	3,620	1	1964-2001	
246691	POWDERVILLE 8 NNE, MT	4551N	10502W	2,800	7	1964-2001	
246862	RAPELJE 4 S, MT	4555N	10915W	4,125	5	1908-2001	
246893	RAYMOND BORDER STATION, MT	4900N	10435W	2,350	6	1950-2001	
246902	RAYNESFORD 2 NNW, MT	4718N	11045W	4,215	4	1970-2001	
246918	RED LODGE 2 N, MT	4513N	10914W	5,500	5	1894-2001	
246927	REDSTONE, MT	4849N	10457W	2,110	6	1951-2001	
247034	RIDGEWAY 1 S, MT	4530N	10427W	3,320	7	1952-2001	
247136	ROCK SPRINGS, MT	4649N	10615W	3,024	7	1951-2001	
247159	ROGERS PASS 9 NNE, MT	4711N	11217W	4,200	4	1964-2001	
247214	ROUNDUP, MT	4627N	10833W	3,227	4	1914-2001	
247228	ROY 8 NE, MT	4726N	10851W	3,445	4	1948-2001	
247263	RYEGATE 18 NNW, MT	4632N	10921W	4,440	4	1962-2001	
247265	SACO 1 NNW, MT	4828N	10721W	2,170	3	1966-2001	
247286	ST IGNATIUS, MT	4719N	11406W	2,900	1	1896-2001	
247318	SAINT REGIS 1 NE, MT	4718N	11505W	2,660	1	1960-2001	
247382	SAVAGE, MT	4727N	10420W	1,985	6	1905-2001	
247448	SEELEY LAKE R S, MT	4713N	11331W	4,100	1	1948-2001	
247540	SHONKIN 7 S, MT	4732N	11035W	4,300	3	1953-2001	
247560	SIDNEY, MT	4744N	10409W	1,920	6	1910-2001	
247620	SIMPSON 6 NW, MT	4859N	11018W	2,740	3	1948-2001	
247740	SONNETTE 2 WNW, MT	4525N	10552W	3,900	7	1965-2001	
247864	STANFORD, MT	4709N	11013W	4,860	4	1965-2001	
247894	STEVENSVILLE, MT	4631N	11405W	3,375	1	1911-2001	
247964	SULA 3 ENE, MT	4551N	11356W	4,475	1	1955-2001	
248021	SUN RIVER 4 S, MT	4729N	11144W	3,600	4	1912-2001	
248043	SUPERIOR, MT	4712N	11453W	2,710	1	1914-2001	
248087	SWAN LAKE, MT	4755N	11350W	3,100	1	1950-2001	
248093	SWEETGRASS, MT	4900N	11158W	3,466	3	1951-2001	
248165	TERRY, MT	4648N	10518W	2,248	7	1949-2001	



248169	TERRY 21 NNW, MT	4704N	10530W	3,255	7	1949-2001	
248211	THOMPSON FALLS POWER HSE, MT	4735N	11521W	2,380	1	1956-2001	3TH
248233	TIBER DAM, MT	4819N	11105W	2,850	3	1952-2001	
248324	TOWNSEND, MT	4620N	11132W	3,840	4	1948-2001	
248363	TRIDENT, MT	4557N	11128W	4,036	2	1922-2001	
248380	TROUT CREEK R S, MT	4752N	11537W	2,356	1	1960-2001	
248390	TROY, MT	4829N	11554W	1,929	1	1960-2001	
248430	TWIN BRIDGES, MT	4533N	11220W	4,625	2	1950-2001	
248501	VALIER, MT	4819N	11215W	3,810	3	1911-2001	
248569	VIDA 6 NE, MT	4753N	10527W	2,400	6	1948-2001	
248597	VIRGINIA CITY, MT	4518N	11157W	5,773	2	1948-2001	
248777	WESTBY, MT	4852N	10403W	2,105	6	1948-2001	
248783	WESTERN AG RESEARCH CNTR, MT	4619N	11407W	3,597	1	1965-2001	
248809	WEST GLACIER, MT	4830N	11359W	3,154	1	1949-2001	
248902	WHITEFISH, MT	4825N	11422W	3,100	1	1948-2001	
248957	WIBAUX 2 E, MT	4659N	10409W	2,670	7	1948-2001	
249023	WILLSALL 8 ENE, MT	4602N	11031W	5,835	5	1957-2001	
249033	WINIFRED, MT	4734N	10923W	3,243	4	1948-2001	
249067	WISDOM, MT	4537N	11327W	6,060	2	1948-2001	
249175	WYOLA 1 SW, MT	4507N	10724W	3,730	5	1948-2001	
249240	YELLOWTAIL DAM, MT	4519N	10756W	3,305	5	1948-2001	
249900	ZORTMAN, MT	4755N	10832W	3,873	3	1965-2001	
250030	AGATE 3 E, NE	4225N	10344W	4,670	1	1948-2001	
250050	AINSWORTH, NE	4233N	9951W	2,510	2	1948-2001	
250070	ALBION 1 N, NE	4142N	9800W	1,759	3	1893-2001	
250130	ALLIANCE 1 WNW, NE	4207N	10254W	3,994	1	1894-2001	
250245	ANSELMO 2 SE, NE	4136N	9950W	2,605	5	1948-2001	
250355	ARNOLD, NE	4125N	10012W	2,750	5	1948-2001	
250365	ARTHUR, NE	4134N	10141W	3,500	2	1948-2001	
250375	ASHLAND 2, NE	4103N	9621W	1,070	6	1948-2001	
250420	ATKINSON, NE	4232N	9859W	2,110	2	1906-2001	
250435	AUBURN 5 ESE, NE	4022N	9545W	930	9	1948-2001	
250445	AURORA, NE	4052N	9800W	1,785	6	1948-2001	
250640	BEAVER CITY, NE	4008N	9950W	2,160	8	1948-2001	
250760	BENKELMAN, NE	4003N	10133W	3,025	7	1948-2001	
250865	BIG SPRINGS, NE	4103N	10209W	3,678	3	1948-2001	
250930	BLAIR, NE	4133N	9608W	1,090	6	1948-2001	

251130	BREWSTER, NE	4156N	9952W	2,495	2	1948-2001	
251145	BRIDGEPORT, NE	4140N	10306W	3,666	3	1897-2001	
251200	BROKEN BOW 2 W, NE	4125N	9941W	2,500	5	1894-2001	
251345	BURWELL, NE	4147N	9909W	2,176	2	1948-2001	BUB
251365	BUTTE, NE	4255N	9851W	1,811	2	1948-2001	
251415	CAMBRIDGE, NE	4017N	10010W	2,260	8	1948-2001	
251450	CANADAY STEAM PLANT, NE	4042N	9942W	2,362	8	1961-2001	
251560	CENTRAL CITY, NE	4107N	9801W	1,695	6	1878-2001	
251575	CHADRON 1 SSW, NE	4249N	10300W	3,510	1	1948-2001	CDR
251590	CHAMBERS, NE	4212N	9846W	2,130	2	1948-2001	
251660	CLARKSON, NE	4143N	9708W	1,550	6	1948-2001	
251684	CLAY CENTER, NE	4031N	9803W	1,750	9	1971-2001	
251825	COLUMBUS 3 NE, NE	4128N	9720W	1,450	6	1948-2001	
251990	CREIGHTON, NE	4228N	9754W	1,630	3	1948-2001	
252000	CRESCENT LAKE NAT WLR, NE	4146N	10226W	3,820	1	1948-2001	
252020	CRETE, NE	4037N	9657W	1,435	9	1948-2001	
252065	CULBERTSON, NE	4014N	10050W	2,600	7	1889-2001	
252100	CURTIS 3 NNE, NE	4040N	10030W	2,721	7	1948-2001	
252145	DALTON, NE	4125N	10258W	4,273	1	1948-2001	
252205	DAVID CITY, NE	4115N	9708W	1,610	6	1889-2001	
252647	ELLSWORTH 15 NNE, NE	4216N	10213W	3,970	1	1963-2001	
252741	ENDERS LAKE, NE	4025N	10131W	3,078	7	1951-2001	
252805	EWING, NE	4216N	9821W	1,850	2	1948-2001	
252820	FAIRBURY, NE	4008N	9711W	1,315	9	1893-2001	
252840	FAIRMONT, NE	4039N	9736W	1,640	9	1948-2001	
252850	FALLS CITY 2 NE, NE	4005N	9536W	980	9	1948-2000	FNB
253050	FREMONT, NE	4126N	9628W	1,180	6	1948-2001	
253175	GENEVA, NE	4032N	9736W	1,630	9	1948-2001	
253185	GENOA 2 W, NE	4127N	9746W	1,590	6	1948-2001	
253355	GORDON 6 N, NE	4254N	10212W	3,700	3	1898-2001	
253365	GOTHENBURG, NE	4056N	10009W	2,585	5	1894-2001	
253395	GRAND ISLAND CTR NE AP, NE	4058N	9819W	1,840	5	1900-2001	GRI
253425	GREELEY, NE	4133N	9832W	2,020	5	1948-2001	
253515	HAIGLER, NE	4001N	10156W	3,275	7	1948-2001	
253595	HARLAN COUNTY LAKE, NE	4005N	9913W	2,000	8	1948-2001	
253605	HARRISBURG 12 WNW, NE	4138N	10357W	4,550	1	1948-2001	
253615	HARRISON, NE	4241N	10353W	4,850	1	1893-2001	

253630	HARTINGTON, NE	4237N	9716W	1,370	3	1893-2001	
253660	HASTINGS 4 N, NE	4039N	9823W	1,940	8	1948-2001	GID
253690	HAYES CENTER, NE	4031N	10101W	3,051	7	1948-2001	
253710	HAY SPRINGS, NE	4241N	10242W	3,855	1	1948-2001	
253715	HAY SPRINGS 12 S, NE	4231N	10242W	3,805	1	1951-2001	
253735	HEBRON, NE	4011N	9735W	1,480	9	1948-2001	
253755	HEMINGFORD, NE	4219N	10304W	4,270	1	1964-2001	
253810	HERSHEY 5 SSE, NE	4106N	10059W	2,952	7	1948-2001	
253910	HOLDREGE, NE	4026N	9922W	2,320	8	1948-2001	
254110	IMPERIAL MUNICIPAL AP, NE	4031N	10139W	3,278	7	1948-2001	
254335	KEARNEY 4 NE, NE	4044N	9901W	2,130	5	1931-2001	
254440	KIMBALL 2 N, NE	4116N	10340W	4,760	3	1893-2001	
254455	KINGSLEY DAM, NE	4113N	10140W	3,318	7	1948-2001	
254795	LINCOLN AP, NE	4050N	9646W	1,170	6	1948-2001	LNK
254900	LODGEPOLE, NE	4109N	10238W	3,832	1	1948-2001	
254985	LOUP CITY, NE	4117N	9858W	2,058	5	1948-2001	
255080	MADISON 2 W, NE	4150N	9727W	1,675	3	1948-2001	
255090	MADRID, NE	4051N	10133W	3,200	7	1900-2001	
255310	MCCOOK, NE	4012N	10037W	2,530	7	1948-2001	MCK
255362	MEAD 6 S, NE	4108N	9629W	1,155	6	1968-2001	
255388	MEDICINE CREEK DAM, NE	4023N	10013W	2,387	7	1951-2001	
255470	MERRIMAN, NE	4255N	10142W	3,250	2	1948-2001	
255565	MINDEN, NE	4031N	9857W	2,160	8	1948-2001	
255702	MULLEN 21 NW, NE	4215N	10120W	3,460	3	1948-2001	
255810	NEBRASKA CITY, NE	4041N	9553W	1,080	9	1948-2001	
255925	NEWPORT, NE	4236N	9920W	2,230	2	1948-2001	
255960	NIOBRARA, NE	4245N	9802W	1,380	3	1948-2001	
255995	NORFOLK AP, NE	4159N	9726W	1,550	3	1948-2001	OFK
256040	NORTH LOUP ORD, NE	4130N	9846W	1,960	5	1948-2001	
256065	NORTH PLATTE RGNL AP, NE	4107N	10040W	2,779	7	1948-2001	LBF
256075	NORTH PLATTE EXP FARM, NE	4103N	10045W	3,025	7	1949-2001	
256135	OAKDALE, NE	4204N	9758W	1,709	3	1948-2001	
256167	OCONTO, NE	4109N	9946W	2,580	5	1948-2001	
256200	OGALLALA, NE	4108N	10143W	3,230	7	1948-2001	
256255	OMAHA EPPLEY AP, NE	4119N	9554W	982	6	1948-2001	OMA
256260	OMAHA 9 NW, NE	4121N	9601W	1,280	6	1954-2001	
256290	O NEILL, NE	4228N	9839W	1,990	2	1948-2001	

256375	OSCEOLA, NE	4111N	9734W	1,660	6	1948-2001	
256385	OSHKOSH, NE	4125N	10221W	3,380	3	1913-2001	
256395	OSMOND, NE	4221N	9736W	1,650	3	1948-2001	
256570	PAWNEE CITY, NE	4007N	9609W	1,210	9	1902-2001	
256970	PURDUM, NE	4204N	10015W	2,690	2	1948-2001	
257002	RAGAN, NE	4016N	9915W	2,240	8	1952-2001	
257040	RAVENNA, NE	4102N	9855W	2,050	5	1948-2001	
257070	RED CLOUD, NE	4006N	9831W	1,720	8	1948-2001	
257110	RED WILLOW DAM, NE	4021N	10040W	2,561	7	1962-2001	
257318	ROSE 10 WNW, NE	4212N	9942W	2,540	2	1960-2000	
257415	RUSHVILLE, NE	4243N	10227W	3,759	3	1948-2001	
257515	SAINT PAUL 4 N, NE	4116N	9828W	1,775	5	1948-2001	
257665	SCOTTSBLUFF AP, NE	4152N	10336W	3,943	1	1948-2001	BFF
257715	SEWARD, NE	4054N	9705W	1,440	6	1948-2001	
257830	SIDNEY 6 NNW, NE	4113N	10301W	4,320	1	1948-2001	
258090	SPRINGVIEW, NE	4249N	9945W	2,496	2	1948-2001	
258110	STANTON, NE	4157N	9714W	1,490	3	1948-2001	
258320	SUPERIOR, NE	4001N	9804W	1,580	9	1948-2001	
258395	SYRACUSE, NE	4041N	9611W	1,100	9	1948-2001	
258465	TECUMSEH, NE	4022N	9613W	1,150	9	1948-2001	
258480	TEKAMAH, NE	4146N	9613W	1,039	3	1948-2001	
258628	TRENTON DAM, NE	4010N	10104W	2,810	7	1949-2001	
258650	TRYON, NE	4133N	10058W	3,247	2	1948-2001	
258755	VALENTINE LKS GAME REF, NE	4234N	10042W	2,930	2	1948-2001	
258760	VALENTINE MILLER AP, NE	4252N	10033W	2,590	2	1948-2001	VTN
258905	WAHOO, NE	4113N	9638W	1,270	6	1948-2001	
258915	WAKEFIELD, NE	4216N	9652W	1,390	3	1948-2001	
258920	WALLACE 2 W, NE	4051N	10113W	3,100	7	1948-2001	
258935	WALTHILL, NE	4209N	9629W	1,220	3	1948-2001	
259090	WEeping WATER, NE	4052N	9608W	1,100	6	1948-2001	
259200	WEST POINT, NE	4151N	9643W	1,310	3	1890-2001	
260150	AMARGOSA FARMS GAREY, NV	3634N	11628W	2,450	4	1965-2001	
260438	ARTHUR 4 NW, NV	4047N	11511W	6,300	2	1948-2001	
260507	AUSTIN, NV	3930N	11704W	6,605	2	1921-2001	U31
260691	BATTLE MOUNTAIN 4 SE, NV	4037N	11654W	4,540	2	1944-2001	BAM
260795	BEOWAVE, NV	4035N	11628W	4,700	2	1949-2001	
261071	BOULDER CITY, NV	3558N	11451W	2,450	4	1931-2001	

261358	CALIENTE, NV	3737N	11431W	4,400	3	1928-2001	
261415	CARLIN NEWMONT MINE, NV	4055N	11619W	6,520	2	1966-2001	
261485	CARSON CITY, NV	3909N	11946W	4,651	1	1948-2001	
261740	CLOVER VALLEY, NV	4051N	11502W	5,750	2	1965-2001	
262189	DEETH, NV	4104N	11516W	5,340	2	1951-2001	
262229	DENIO, NV	4159N	11838W	4,190	1	1951-2001	
262243	DESERT NATL WL RANGE, NV	3626N	11522W	2,920	4	1948-2001	
262390	DUCKWATER, NV	3856N	11543W	5,610	3	1966-2000	
262394	DUFURRENA, NV	4152N	11901W	4,800	1	1959-2001	
262431	DYER, NV	3737N	11801W	4,900	3	1948-2001	
262573	ELKO, NV	4050N	11548W	5,050	2	1928-2001	EKO
262631	ELY, NV	3918N	11451W	6,262	2	1948-2001	ELY
262656	EMIGRANT PASS HWY STA, NV	4039N	11618W	5,760	2	1954-2001	
262708	EUREKA, NV	3931N	11558W	6,540	2	1952-2001	
262780	FALLON EXPERIMENT STN, NV	3927N	11847W	3,965	1	1928-2001	
263090	GERLACH, NV	4039N	11921W	3,950	1	1948-2001	
263114	GIBBS RANCH, NV	4134N	11513W	6,000	2	1952-2001	
263205	GLENBROOK, NV	3905N	11956W	6,350	1	1948-2001	
263245	GOLCONDA, NV	4057N	11729W	4,415	1	1948-2001	
263285	GOLDFIELD, NV	3742N	11714W	5,690	3	1948-2001	
263957	IMLAY, NV	4039N	11810W	4,260	1	1948-2001	
264236	KINGS RIVER VALLEY, NV	4145N	11814W	4,240	1	1956-2001	
264349	LAHONTAN DAM, NV	3928N	11904W	4,150	1	1948-2001	
264436	LAS VEGAS AP, NV	3605N	11509W	2,127	4	1949-2001	LAS
264527	LEONARD CREEK RANCH, NV	4131N	11843W	4,224	1	1954-2001	
264698	LOVELOCK, NV	4011N	11828W	3,975	1	1928-2001	
264700	LOVELOCK DERBY AP, NV	4004N	11834W	3,900	1	1948-2001	LOL
264745	LUND, NV	3852N	11501W	5,560	2	1957-2001	
264935	MCDERMITT, NV	4200N	11743W	4,527	1	1950-2001	
264950	MCGILL, NV	3924N	11447W	6,270	2	1928-2001	
265168	MINA, NV	3823N	11806W	4,550	3	1928-2001	
265191	MINDEN, NV	3857N	11947W	4,709	1	1928-2001	
265352	MONTELO 2 SE, NV	4115N	11410W	4,900	2	1948-2001	
265818	OROVADA 3 W, NV	4134N	11750W	4,200	1	1948-2001	
265880	PAHRANAGAT W L REFUGE, NV	3716N	11507W	3,400	4	1964-2001	
265890	PAHRUMP, NV	3617N	11600W	2,674	4	1948-2001	
266005	PARADISE VALLEY 1 NW, NV	4130N	11733W	4,675	1	1948-2001	

266252	PIOCHE, NV	3757N	11428W	6,180	3	1948-2001	
266779	RENO CANNON INTL AP, NV	3929N	11946W	4,410	1	1937-2001	RNO
267123	RUBY LAKE, NV	4012N	11530W	6,010	2	1948-2001	
267175	RUTH, NV	3917N	11459W	6,840	2	1958-2000	
267192	RYE PATCH DAM, NV	4028N	11818W	4,135	1	1948-2001	
267369	SEARCHLIGHT, NV	3528N	11455W	3,540	4	1948-2001	
267463	SILVERPEAK, NV	3746N	11734W	4,260	3	1967-2001	
267620	SMOKEY VALLEY, NV	3847N	11710W	5,625	3	1949-2001	
267640	SNOWBALL RANCH, NV	3902N	11612W	7,160	3	1966-2001	
267908	SUNNYSIDE, NV	3825N	11501W	5,300	3	1948-2001	
267953	SUTCLIFFE, NV	3957N	11936W	3,900	1	1967-2001	
268170	TONOPAH AP, NV	3804N	11705W	5,430	3	1954-2001	TPH
268346	TUSCARORA, NV	4119N	11613W	6,170	2	1957-2001	
268761	VIRGINIA CITY, NV	3919N	11939W	6,340	1	1951-2001	
268988	WELLS, NV	4106N	11458W	5,700	2	1948-2001	
269171	WINNEMUCCA MUNICIPAL AP, NV	4054N	11748W	4,297	1	1928-2001	WMC
269229	YERINGTON, NV	3900N	11910W	4,380	1	1928-2001	
270681	BENTON 5 SW, NH	4402N	7156W	1,200	1	1965-2001	
270690	BERLIN, NH	4427N	7111W	930	1	1926-2001	
271647	COLEBROOK, NH	4454N	7129W	1,040	1	1960-2001	
271683	CONCORD MUNICIPAL AP, NH	4312N	7130W	346	2	1921-2001	CON
272174	DURHAM, NH	4309N	7057W	80	2	1926-2001	
272800	EPPING, NH	4302N	7105W	160	2	1963-2001	
272999	FIRST CONN LAKE, NH	4505N	7117W	1,660	1	1948-2001	
273530	GRAFTON, NH	4334N	7157W	830	1	1955-2001	
273850	HANOVER, NH	4342N	7217W	603	2	1926-2001	
274399	KEENE, NH	4257N	7219W	510	2	1926-2001	
274480	LAKEPORT 2, NH	4333N	7128W	500	2	1948-2001	
274556	LANCASTER, NH	4429N	7135W	860	1	1948-2001	
275211	MASSABESIC LAKE, NH	4259N	7124W	250	2	1948-2001	
275412	MILFORD, NH	4249N	7139W	300	2	1948-2001	
275629	MOUNT SUNAPEE, NH	4320N	7205W	1,270	2	1957-2001	
275639	MOUNT WASHINGTON, NH	4416N	7118W	6,262	1	1948-2001	MWN
275712	NASHUA 2 NNW, NH	4247N	7129W	130	2	1948-2001	
276234	NORTH STRATFORD, NH	4445N	7138W	910	1	1948-2001	
276818	PINKHAM NOTCH, NH	4416N	7115W	2,009	1	1948-2001	
276945	PLYMOUTH, NH	4347N	7139W	660	2	1951-2001	

280311	ATLANTIC CITY AP, NJ	3927N	7434W	60	2	1958-2001	ACY
280325	ATLANTIC CITY MARINA, NJ	3923N	7426W	10	3	1948-2001	0325
280690	BELLEPLAIN ST FOREST, NJ	3915N	7452W	30	2	1926-2001	
281335	CANOE BROOK, NJ	4045N	7421W	180	1	1931-2001	
281351	CAPE MAY 2 NW, NJ	3857N	7456W	20	3	1948-2001	
281582	CHARLOTTEBURG RESERVOIR, NJ	4102N	7425W	760	1	1926-2001	
282023	CRANFORD, NJ	4039N	7418W	75	1	1969-2001	
282768	ESSEX FELS SERV BLDG, NJ	4050N	7417W	350	1	1949-2001	
283029	FLEMINGTON 5 NNW, NJ	4034N	7453W	260	1	1926-2001	
283181	FREEHOLD MARLBORO, NJ	4019N	7415W	194	2	1931-2001	
283291	GLASSBORO 2 NE, NJ	3944N	7506W	100	2	1948-2001	
283935	HIGH POINT PARK, NJ	4118N	7440W	1,500	1	1956-2001	
283951	HIGHTSTOWN 2 W, NJ	4016N	7434W	100	2	1931-2001	
284229	INDIAN MILLS 2 W, NJ	3948N	7447W	100	2	1926-2001	
284635	LAMBERTVILLE, NJ	4022N	7457W	68	1	1931-2001	
284887	LITTLE FALLS, NJ	4053N	7414W	150	1	1948-2001	
284987	LONG BRANCH OAKHURST, NJ	4016N	7400W	30	3	1928-2001	
285003	LONG VALLEY, NJ	4047N	7447W	550	1	1931-2001	
285581	MILLVILLE MUNICIPAL AP, NJ	3922N	7505W	70	2	1948-2001	MIV
285728	MOORESTOWN, NJ	3958N	7458W	45	2	1926-2001	
286026	NEWARK INTL AP, NJ	4043N	7410W	7	1	1948-2001	EWR
286055	NEW BRUNSWICK 3 SE, NJ	4028N	7426W	86	2	1968-2001	
286177	NEWTON ST PAULS ABBEY, NJ	4102N	7448W	600	1	1948-2000	
286843	PEMBERTON, NJ	3958N	7441W	60	2	1948-2001	
287079	PLAINFIELD, NJ	4036N	7424W	90	1	1931-2001	
287865	SANDY HOOK, NJ	4027N	7359W	10	3	1969-2001	
287936	SEABROOK FARMS, NJ	3930N	7514W	90	2	1949-2001	
288194	SOMERVILLE 4 NW, NJ	4037N	7439W	134	1	1931-2001	
288644	SUSSEX 2 NE, NJ	4114N	7437W	450	1	1948-2001	
288816	TOMS RIVER, NJ	3957N	7413W	100	2	1948-2001	
289187	WANAQUE RAYMOND DAM, NJ	4103N	7418W	245	1	1948-2001	
289910	WOODSTOWN PITTSBGROV 4E, NJ	3933N	7510W	98	2	1948-2001	
290041	ABIQUIU DAM, NM	3614N	10626W	6,380	2	1957-2001	
290199	ALAMOGORDO, NM	3254N	10557W	4,350	8	1948-2001	
290234	ALBUQUERQUE INTL AP, NM	3503N	10636W	5,310	5	1931-2001	ABQ
290268	ALEMAN RANCH, NM	3255N	10656W	4,521	5	1948-2000	
290377	AMISTAD 5 SSW, NM	3552N	10310W	4,445	3	1948-2001	

290417	ANIMAS 3 ESE, NM	3156N	10846W	4,437	8	1948-2001	
290600	ARTESIA 6 S, NM	3246N	10423W	3,320	7	1948-2001	
290640	AUGUSTINE 2 E, NM	3405N	10737W	7,000	4	1948-2001	
290692	AZTEC RUINS NATL MNMNT, NM	3650N	10800W	5,643	1	1948-2001	
290818	BEAVERHEAD R S, NM	3325N	10807W	6,670	4	1948-2001	
290858	BELL RANCH, NM	3532N	10406W	4,500	3	1948-2001	
290983	BINGHAM 2 NE, NM	3355N	10621W	5,551	5	1948-2001	
290992	BITTER LAKES WL REFUGE, NM	3328N	10424W	3,664	7	1950-2001	
291138	BOSQUE DEL APACHE, NM	3346N	10654W	4,512	5	1948-2001	
291469	CARLSBAD, NM	3226N	10415W	3,120	7	1948-2001	
291475	CARLSBAD AP, NM	3220N	10416W	3,232	7	1948-2001	CNM
291480	CARLSBAD CAVERNS, NM	3232N	10356W	4,405	7	1948-2001	
291515	CARRIZOZO 1 SW, NM	3338N	10554W	5,405	5	1948-2001	
291630	CERRO, NM	3644N	10536W	7,650	2	1948-2001	
291647	CHACO CANYON NATL MON, NM	3602N	10755W	6,174	1	1948-2001	
291664	CHAMA, NM	3655N	10635W	7,850	2	1948-2001	
291813	CIMARRON 4 SW, NM	3628N	10457W	6,540	2	1904-2001	
291910	CLIFF 11 SE, NM	3250N	10831W	4,776	8	1948-2001	
291918	CLINES CORNERS 7 SE, NM	3456N	10535W	6,924	6	1968-2001	
291939	CLOVIS, NM	3425N	10312W	4,290	3	1910-2001	KCLV
291963	CLOVIS 13 N, NM	3436N	10313W	4,435	3	1949-2001	
292024	COLUMBUS, NM	3150N	10738W	4,065	8	1948-2001	
292030	CONCHAS DAM, NM	3524N	10411W	4,244	3	1948-2001	
292207	CROSSROADS 2, NM	3331N	10321W	4,150	7	1948-2001	
292241	CUBA, NM	3601N	10658W	7,045	2	1948-2001	
292510	DILIA, NM	3511N	10503W	5,150	7	1948-2001	
292608	DULCE, NM	3656N	10700W	6,793	1	1906-2001	
292700	EAGLE NEST, NM	3623N	10516W	8,280	2	1948-2001	
292785	EL MORRO NATL MONUMENT, NM	3503N	10821W	7,227	1	1948-2001	
292820	EL RITO, NM	3620N	10611W	6,870	2	1903-2001	
292837	EL VADO DAM, NM	3636N	10644W	6,740	2	1948-2001	
292848	ELEPHANT BUTTE DAM, NM	3309N	10711W	4,576	5	1948-2001	
292854	ELIDA, NM	3357N	10339W	4,354	3	1948-2001	
292865	ELK 2 E, NM	3257N	10520W	5,750	7	1895-2001	
293060	ESTANCIA 7 NE, NM	3451N	10558W	6,120	6	1948-2001	
293157	FAYWOOD, NM	3238N	10752W	5,191	8	1948-2001	
293180	FENCE LAKE, NM	3439N	10840W	7,055	1	1964-2001	



293265	FORT BAYARD, NM	3248N	10809W	6,142	4	1897-2001	
293340	FRUITLAND 3 E, NM	3644N	10821W	5,220	1	1948-2001	
293368	GAGE 4 ESE, NM	3213N	10801W	4,410	8	1948-2001	
293488	GASCON, NM	3554N	10527W	8,250	2	1953-2001	
293530	GILA HOT SPRINGS, NM	3312N	10813W	5,600	4	1957-2001	
293649	GRAN QUIVIRA NATL MON, NM	3416N	10606W	6,600	6	1948-2001	
293682	GRANTS MILAN AP, NM	3510N	10754W	6,520	4	1953-2001	GNT
293775	HACHITA, NM	3155N	10819W	4,507	8	1948-2001	
294026	HOBBS, NM	3243N	10308W	3,615	7	1948-2001	
294346	JAL, NM	3207N	10311W	3,060	7	1948-2001	
294426	JORNADA EXP RANGE, NM	3237N	10644W	4,266	8	1953-2001	
294742	LAKE MALOYA, NM	3659N	10422W	7,400	2	1948-2001	
294856	LAS VEGAS MUNICIPAL AP, NM	3539N	10509W	6,866	2	1948-2001	LVS
294960	LINDRITH 1 WSW, NM	3618N	10703W	7,220	2	1971-2001	
295079	LORDSBURG 4 SE, NM	3218N	10839W	4,250	8	1948-2001	
295084	LOS ALAMOS, NM	3552N	10619W	7,424	2	1943-2001	
295150	LOS LUNAS 3 SSW, NM	3446N	10645W	4,840	5	1957-2001	
295273	LUNA R S, NM	3349N	10857W	7,050	4	1948-2001	
295290	LYBROOK, NM	3614N	10734W	7,150	1	1951-2001	
295370	MALJAMAR 4 SE, NM	3249N	10342W	4,000	7	1948-2000	
295490	MAXWELL 3 NW (RATON), NM	3634N	10434W	6,019	3	1948-2001	
295560	MCGAFFEY 5 SE, NM	3520N	10827W	8,000	1	1949-2001	
295937	MOSQUERO 1 NE, NM	3548N	10356W	5,465	3	1926-2001	
296115	NEWKIRK, NM	3504N	10415W	4,563	3	1948-2001	
296275	OCATE 2 NW, NM	3612N	10504W	7,655	2	1960-2001	
296465	OTIS, NM	3619N	10752W	6,880	1	1957-2001	
296676	PECOS NATIONAL MONUMENT, NM	3533N	10541W	6,878	2	1948-2001	
296687	PEDERNAL 9 E, NM	3437N	10528W	6,150	6	1948-2001	
297008	PORTALES, NM	3410N	10321W	4,010	3	1948-2001	
297180	QUEMADO, NM	3421N	10830W	6,878	4	1948-2001	
297226	RAGLAND 3 SSW, NM	3447N	10345W	5,060	3	1948-2001	
297254	RAMON 8 SW, NM	3409N	10500W	5,327	7	1957-2001	
297279	RATON FILTER PLANT, NM	3655N	10426W	6,932	2	1953-2001	
297323	RED RIVER, NM	3642N	10524W	8,676	2	1948-2001	
297340	REDROCK 1 NNE, NM	3242N	10844W	4,050	8	1948-2001	
297638	ROY, NM	3557N	10412W	5,878	3	1948-2001	
297649	RUIDOSO, NM	3320N	10541W	6,760	6	1948-2001	RUI

297867	SAN JON, NM	3507N	10320W	4,230	3	1948-2001	
298107	SANTA ROSA, NM	3456N	10441W	4,600	7	1948-2001	
298284	SHIPROCK, NM	3648N	10841W	4,972	1	1948-2001	
298387	SOCORRO, NM	3405N	10653W	4,585	5	1931-2001	
298501	SPRINGER, NM	3622N	10436W	5,922	3	1948-2001	
298518	STANLEY 1 NNE, NM	3510N	10558W	6,380	6	1954-2001	
298524	STAR LAKE, NM	3556N	10728W	6,635	1	1948-2001	
298668	TAOS, NM	3623N	10535W	6,965	2	1948-2001	E23
298713	TATUM, NM	3316N	10319W	4,100	7	1948-2001	
298845	TIERRA AMARILLA 4 N, NM	3646N	10633W	7,464	2	1948-2001	
299085	TRES PIEDRAS, NM	3640N	10559W	8,139	2	1948-2001	
299128	TRUTH OR CONSEQUENCES, NM	3309N	10713W	4,382	8	1951-2001	
299156	TUCUMCARI 4 NE, NM	3512N	10341W	4,086	3	1904-2001	
299165	TULAROSA, NM	3304N	10602W	4,430	8	1948-2001	
299330	VALMORA, NM	3549N	10456W	6,312	2	1948-2001	
299686	WHITE SANDS NATL MON, NM	3247N	10611W	3,995	8	1948-2001	
299691	WHITE SIGNAL, NM	3233N	10822W	6,068	8	1948-2001	
299806	WINSTON, NM	3321N	10739W	6,196	4	1949-2001	
299820	WOLF CANYON, NM	3557N	10645W	8,220	2	1952-2001	
299851	YESO 2 S, NM	3424N	10437W	4,850	7	1948-2001	
299897	ZUNI, NM	3504N	10850W	6,310	1	1949-2001	ZUN
300023	ADDISON, NY	4207N	7714W	980	1	1948-2001	
300042	ALBANY INTL AP, NY	4245N	7348W	275	5	1938-2001	ALB
300055	ALBION 2 NE, NY	4316N	7810W	440	9	1948-2001	
300063	ALCOVE DAM, NY	4228N	7356W	607	5	1948-2001	
300085	ALFRED, NY	4216N	7747W	1,770	1	1926-2001	
300093	ALLEGANY STATE PARK, NY	4206N	7845W	1,500	1	1948-2001	
300183	ANGELICA, NY	4218N	7759W	1,445	1	1926-2001	
300321	AUBURN, NY	4255N	7633W	744	10	1926-2000	
300331	AURORA RESEARCH FARM, NY	4244N	7639W	830	10	1956-2001	
300343	AVON, NY	4255N	7745W	545	10	1948-2001	
300443	BATAVIA, NY	4302N	7810W	913	9	1948-2001	
300448	BATH, NY	4221N	7721W	1,120	1	1953-2001	
300668	BIG MOOSE 3 SE, NY	4348N	7452W	1,760	3	1948-2001	
300687	BINGHAMTON BROOME CO AP, NY	4212N	7559W	1,600	2	1951-2001	BGM
300785	BOONVILLE 2 SSW, NY	4327N	7521W	1,580	3	1949-2001	
300889	BRIDGEHAMPTON, NY	4057N	7218W	60	4	1930-2001	

301012	BUFFALO NIAGARA INTL, NY	4256N	7844W	705	9	1922-2001	BUF
301110	CAMDEN 2 NW, NY	4321N	7546W	530	6	1948-2001	
301152	CANANDAIGUA 3 S, NY	4251N	7717W	720	10	1948-2001	
301185	CANTON 4 SE, NY	4434N	7506W	440	8	1922-2001	
301401	CHAZY, NY	4453N	7326W	170	7	1926-2001	
301436	CHERRY VALLEY 2 NNE, NY	4249N	7444W	1,360	2	1949-2001	
301623	COLDEN 1 N, NY	4240N	7841W	1,025	9	1957-2001	
301708	CONKLINGVILLE DAM, NY	4319N	7356W	808	5	1948-2001	
301752	COOPERSTOWN, NY	4243N	7456W	1,200	2	1926-2001	
301799	CORTLAND, NY	4236N	7611W	1,129	2	1948-2000	
301966	DANNEMORA, NY	4443N	7343W	1,340	7	1926-2001	
301974	DANSVILLE, NY	4234N	7743W	660	10	1941-2001	
302036	DELHI 2 SE, NY	4215N	7454W	1,440	2	1926-2001	
302060	DEPOSIT, NY	4204N	7526W	1,000	2	1962-2001	
302129	DOBBS FERRY ARDSLEY, NY	4100N	7350W	200	4	1948-2001	
302610	ELMIRA, NY	4206N	7648W	844	1	1926-2001	
303025	FRANKLINVILLE, NY	4220N	7828W	1,550	1	1949-2001	
303033	FREDONIA, NY	4227N	7914W	760	9	1926-2001	
303184	GENEVA RESEARCH FARM, NY	4253N	7702W	718	10	1969-2001	
303284	GLENS FALLS FARM, NY	4320N	7344W	504	5	1948-2001	
303294	GLENS FALLS AP, NY	4321N	7337W	321	5	1948-2001	GFL
303319	GLOVERSVILLE, NY	4303N	7422W	810	6	1948-2001	
303346	GOUVERNEUR 3 NW, NY	4421N	7531W	420	8	1948-2001	
303360	GRAFTON, NY	4247N	7328W	1,560	5	1950-2001	
303464	GREENPORT POWER HOUSE, NY	4106N	7222W	16	4	1958-2000	
303773	HEMLOCK, NY	4247N	7737W	902	10	1926-2001	
304025	HUDSON CORRECTIONL FAC, NY	4215N	7348W	60	5	1957-2001	
304102	INDIAN LAKE 2 SW, NY	4345N	7417W	1,660	3	1948-2001	
304174	ITHACA CORNELL UNIV, NY	4227N	7627W	960	10	1926-2001	
304207	JAMESTOWN 4 ENE, NY	4207N	7909W	1,250	9	1960-2001	
304555	LAKE PLACID 2 S, NY	4415N	7359W	1,940	3	1948-2001	
304647	LAWRENCEVILLE 3 SW, NY	4443N	7445W	500	8	1948-2001	
304731	LIBERTY 1 NE, NY	4148N	7444W	1,549	2	1950-2001	
304791	LITTLE FALLS CITY RSVR, NY	4304N	7452W	900	6	1926-2001	
304808	LITTLE VALLEY, NY	4215N	7849W	1,625	1	1948-2001	
304912	LOWVILLE, NY	4348N	7529W	860	3	1926-2001	
305134	MASSENA AP, NY	4456N	7451W	214	8	1948-2001	MSS

305310	MIDDLETOWN 2 NW, NY	4128N	7427W	700	5	1951-2001	
305334	MILLBROOK, NY	4151N	7337W	820	5	1948-2001	
305377	MINEOLA, NY	4044N	7337W	96	4	1948-2001	
305426	MOHONK LAKE, NY	4146N	7409W	1,245	5	1948-2001	
305512	MORRISVILLE 6 SW, NY	4250N	7544W	1,300	2	1926-2001	
305597	MOUNT MORRIS 2 W, NY	4244N	7754W	880	10	1948-2001	
305714	NEWCOMB, NY	4358N	7411W	1,620	3	1959-2001	
305796	NEW YORK AVE V BROOKLYN, NY	4036N	7359W	20	4	1948-2001	
305801	NEW YORK CITY CENTRAL PK, NY	4047N	7358W	130	4	1876-2001	NYC
305803	NEW YORK JFK INTL AP, NY	4038N	7346W	11	4	1949-2001	JFK
305811	NEW YORK LA GUARDIA AP, NY	4047N	7353W	11	4	1948-2001	LGA
306085	NORWICH, NY	4232N	7532W	1,020	2	1926-2001	
306164	OGDENSBURG 4 NE, NY	4444N	7527W	280	8	1926-2001	
306184	OLD FORGE, NY	4342N	7459W	1,720	3	1948-2001	
306314	OSWEGO EAST, NY	4328N	7630W	350	9	1926-2001	
306510	PENN YAN, NY	4240N	7703W	830	10	1948-2001	
306538	PERU 2 WSW, NY	4434N	7334W	510	7	1948-2001	
306774	PORT JERVIS, NY	4123N	7441W	470	2	1926-2001	
306820	POUGHKEEPSIE, NY	4138N	7355W	170	5	1948-2001	POU
306957	RAY BROOK, NY	4418N	7406W	1,620	3	1971-2001	
307134	RIVERHEAD RESEARCH FARM, NY	4058N	7243W	100	4	1948-2001	
307167	ROCHESTER MONROE CO AP, NY	4307N	7741W	600	9	1926-2001	ROC
307484	SARATOGA SPRINGS 4 SW, NY	4302N	7349W	310	5	1955-2001	
307633	SETAUKET STRONG, NY	4058N	7306W	40	4	1926-2001	
307842	SODUS CENTER, NY	4312N	7701W	420	9	1948-2001	
308383	SYRACUSE HANCOCK INTL AP, NY	4307N	7606W	410	10	1922-2001	SYR
308627	TULLY HEIBERG FOREST, NY	4246N	7605W	1,899	2	1967-2001	
308737	UTICA FAA AP, NY	4309N	7523W	711	6	1950-2001	UCA
308962	WARSAW 6 SW, NY	4241N	7813W	1,820	10	1952-2001	
309000	WATERTOWN, NY	4359N	7553W	497	9	1926-2001	
309005	WATERTOWN AP, NY	4400N	7601W	322	9	1949-2001	ART
309189	WESTFIELD 2 SSE, NY	4218N	7935W	707	9	1948-2001	
309389	WHITEHALL, NY	4333N	7324W	119	7	1932-2001	
309670	YORKTOWN HEIGHTS 1 W, NY	4116N	7348W	670	5	1967-2001	
310090	ALBEMARLE, NC	3524N	8012W	610	5	1933-2001	
310184	ANDREWS, NC	3512N	8350W	1,749	3	1948-2001	
310241	ARCOLA, NC	3617N	7759W	330	3	1957-2001	

310286	ASHEBORO 2 W, NC	3542N	7950W	870	4	1933-2001	
310300	ASHEVILLE RGNL AP, NC	3526N	8232W	2,140	1	1964-2001	AVL
310301	ASHEVILLE, NC	3536N	8232W	2,240	1	1947-2001	
310506	BANNER ELK, NC	3610N	8153W	3,748	3	1948-2001	
310576	BAYBORO 3 E, NC	3509N	7643W	10	7	1968-2001	
310674	BELHAVEN 5 SW, NC	3530N	7641W	8	7	1933-2001	
310724	BENT CREEK, NC	3530N	8236W	2,110	1	1949-2001	
310843	BLACK MOUNTAIN 2 W, NC	3536N	8221W	2,290	1	1949-2001	
310901	BLOWING ROCK 1 NW, NC	3609N	8142W	3,850	2	1948-2001	
311055	BREVARD, NC	3513N	8242W	2,212	3	1948-2001	
311239	BURLINGTON FIRE STN #5, NC	3604N	7927W	660	3	1950-2001	
311458	CAPE HATTERAS NWS BLDG, NC	3514N	7537W	10	8	1957-2001	HSE
311564	CATALOOCHEE, NC	3537N	8306W	2,620	1	1949-2001	
311606	CEDAR ISLAND, NC	3459N	7618W	8	7	1955-2001	
311624	CELO 2 S, NC	3550N	8211W	2,680	1	1948-2001	
311677	CHAPEL HILL 2 W, NC	3555N	7905W	500	3	1948-2001	
311690	CHARLOTTE DGLAS INTL AP, NC	3513N	8057W	728	5	1948-2001	CLT
311820	CLAYTON WTP, NC	3538N	7828W	300	7	1955-2001	
311881	CLINTON 2 NE, NC	3501N	7817W	158	6	1971-2001	
311975	CONCORD, NC	3525N	8036W	690	5	1948-2001	
312102	COWEETA EXP STATION, NC	3504N	8326W	2,249	3	1948-2001	
312200	CULLOWHEE, NC	3520N	8311W	2,192	1	1948-2001	
312238	DANBURY 5 SE, NC	3624N	8009W	760	3	1948-2001	
312500	DUNN 4 NW, NC	3519N	7841W	200	6	1962-2001	
312515	DURHAM, NC	3603N	7858W	400	3	1899-2001	
312635	EDENTON, NC	3603N	7637W	20	8	1933-2001	
312719	ELIZABETH CITY, NC	3619N	7612W	8	8	1934-2001	ECG
312732	ELIZABETHTOWN LOCK 2, NC	3438N	7835W	60	6	1933-2001	
312837	ENKA, NC	3532N	8239W	2,050	3	1948-2001	
313017	FAYETTEVILLE PWC, NC	3504N	7852W	96	6	1933-2001	
313106	FLETCHER 3 W, NC	3526N	8233W	2,070	1	1959-2001	
313228	FRANKLIN 3 W, NC	3511N	8325W	2,170	3	1949-2001	
313356	GASTONIA, NC	3516N	8108W	700	5	1890-2001	
313510	GOLDSBORO 4 SE, NC	3521N	7758W	109	7	1900-2001	GSB
313565	GRANDFATHER MOUNTAIN, NC	3607N	8150W	5,300	2	1955-2001	
313630	GREENSBORO RGNL AP, NC	3606N	7957W	897	3	1933-2001	GSO
313638	GREENVILLE, NC	3538N	7724W	32	7	1933-2001	

313784	HAMLET, NC	3453N	7942W	350	5	1950-2001	
313897	HATTERAS, NC	3513N	7543W	15	8	1948-2001	
313969	HENDERSON 2 NNW, NC	3621N	7825W	480	3	1933-2001	
313976	HENDERSONVILLE 1 NE, NC	3520N	8227W	2,160	1	1948-2001	
314020	HICKORY RGNL AP, NC	3544N	8123W	1,143	1	1949-2001	HKY
314055	HIGHLANDS, NC	3503N	8311W	3,840	1	1948-2001	
314063	HIGH POINT, NC	3558N	7958W	900	3	1948-2001	
314144	HOFMANN FOREST, NC	3450N	7718W	44	6	1948-2001	
314456	JACKSON, NC	3623N	7725W	130	8	1948-2001	
314464	JACKSON SPRINGS 5 WNW, NC	3513N	7944W	730	5	1952-2001	
314496	JEFFERSON 2 E, NC	3625N	8126W	2,770	2	1948-2001	
314684	KINSTON 5 SE, NC	3513N	7732W	55	7	1948-2001	
314689	KINSTON AG RESEARCH, NC	3522N	7733W	60	7	1966-2001	
314860	LAURINBURG, NC	3445N	7928W	210	6	1948-2001	
314938	LENOIR, NC	3555N	8132W	1,200	2	1948-2001	
314962	LEWISTON, NC	3608N	7710W	50	8	1954-2001	
314970	LEXINGTON, NC	3551N	8016W	760	4	1948-2001	
314996	LINCOLNTON 4 W, NC	3528N	8120W	900	5	1952-2001	
315123	LOUISBURG, NC	3606N	7818W	260	3	1948-2001	
315177	LUMBERTON, NC	3438N	7901W	112	6	1903-2001	
315303	MANTEO AP, NC	3555N	7542W	13	8	1966-2001	
315340	MARION 2 NW, NC	3540N	8202W	1,466	1	1949-2001	
315356	MARSHALL, NC	3548N	8240W	2,000	1	1948-2001	
315771	MONROE 4 SE, NC	3458N	8030W	580	5	1933-2001	
315830	MOREHEAD CITY 2 WNW, NC	3444N	7644W	10	7	1948-2001	
315838	MORGANTON, NC	3544N	8140W	1,160	3	1933-2001	
315890	MOUNT AIRY 2 W, NC	3630N	8039W	1,041	2	1893-2001	
316001	MURPHY 2 NE, NC	3507N	8400W	1,640	3	1948-2001	
316108	NEW BERN CRAVEN CO AP, NC	3504N	7703W	16	7	1948-2001	EWN
316135	NEW HOLLAND, NC	3527N	7613W	2	7	1933-2001	
316256	NORTH WILKESBORO, NC	3610N	8109W	1,120	3	1933-2001	
316341	OCONALUFTEE, NC	3531N	8318W	2,040	1	1958-2001	
316805	PISGAH FOREST 1 N, NC	3516N	8242W	2,110	1	1948-2001	
316853	PLYMOUTH 5 E, NC	3552N	7639W	20	8	1948-2001	
317069	RALEIGH DURHAM AP, NC	3552N	7847W	416	4	1948-2001	RDU
317074	RALEIGH 4 SW, NC	3544N	7841W	420	4	1892-2001	
317079	RALEIGH STATE UNIV, NC	3548N	7842W	400	4	1921-2001	

317202	REIDSVILLE 2 NW, NC	3623N	7942W	890	3	1962-2001	
317516	ROXBORO 7 ESE, NC	3621N	7853W	710	3	1948-2001	
317615	SALISBURY, NC	3541N	8029W	700	4	1893-2001	
317845	SHELBY 2 NNE, NC	3519N	8132W	920	5	1893-2001	
317924	SILER CITY 2 N, NC	3546N	7928W	610	4	1948-2001	
317994	SMITHFIELD, NC	3531N	7821W	150	7	1948-2001	
318113	SOUTHPORT 5 N, NC	3400N	7801W	20	6	1948-2001	
318292	STATESVILLE 2 NNE, NC	3549N	8053W	950	4	1901-2001	
318492	TAPOCO, NC	3527N	8356W	1,110	1	1948-2001	
318500	TARBORO 1 S, NC	3553N	7732W	35	8	1948-2001	
318694	TRANSOU, NC	3624N	8118W	2,875	2	1948-2001	
318744	TRYON, NC	3512N	8214W	1,080	1	1948-2001	
318964	WADESBORO, NC	3458N	8005W	480	5	1948-2001	
319123	WATERVILLE 2, NC	3546N	8306W	1,440	1	1954-2001	
319147	WAYNESVILLE 1 E, NC	3529N	8258W	2,658	3	1894-2001	
319357	WHITEVILLE 7 NW, NC	3425N	7847W	90	6	1954-2001	
319423	WILLARD 4 SW, NC	3439N	7803W	55	6	1948-2001	
319440	WILLIAMSTON 1 E, NC	3551N	7702W	20	8	1948-2001	
319457	WILMINGTON NEW HANVR AP, NC	3416N	7754W	30	6	1933-2001	ILM
319467	WILMINGTON 7 N, NC	3419N	7755W	40	6	1949-2001	
319476	WILSON 3 SW, NC	3542N	7757W	110	7	1948-2001	
319555	W KERR SCOTT RESERVOIR, NC	3608N	8114W	1,070	2	1965-2001	
319675	YADKINVILLE 6 E, NC	3608N	8033W	875	3	1940-2001	
320209	AMIDON, ND	4629N	10319W	2,910	7	1948-2001	
320382	ASHLEY, ND	4602N	9923W	2,001	9	1948-2001	
320590	BEACH, ND	4655N	10400W	2,789	7	1948-2001	
320626	BELCOURT KEYA RADIO, ND	4850N	9945W	1,960	2	1948-2001	
320766	BEULAH 1 W, ND	4716N	10147W	1,785	4	1948-2001	
320819	BISMARCK MUNICIPAL AP, ND	4647N	10045W	1,651	8	1948-2001	BIS
320941	BOTTINEAU, ND	4850N	10026W	1,640	2	1898-2001	
320995	BOWMAN, ND	4611N	10324W	2,960	7	1915-2001	
321052	BREIEN, ND	4624N	10056W	1,720	8	1948-2001	
321225	BUTTE 5 SE, ND	4748N	10035W	1,720	4	1948-2001	
321360	CARRINGTON, ND	4727N	9908W	1,586	5	1948-2001	
321362	CARRINGTON 4 N, ND	4730N	9907W	1,560	5	1967-2001	
321435	CAVALIER 7 NW, ND	4852N	9742W	890	3	1948-2001	
321456	CENTER 4 SE, ND	4704N	10112W	1,990	4	1948-2001	

321686	COLGATE, ND	4715N	9739W	1,180	6	1948-2001	
321766	COOPERSTOWN, ND	4724N	9802W	1,380	6	1932-2001	
321871	CROSBY, ND	4854N	10318W	1,952	3	1909-2001	
322158	DEVILS LAKE KDLR, ND	4806N	9851W	1,464	3	1948-2001	
322183	DICKINSON AP, ND	4648N	10248W	2,585	7	1938-2001	DIK
322188	DICKINSON EXP STN, ND	4653N	10249W	2,460	7	1903-2001	
322304	DRAKE 9 NE, ND	4803N	10019W	1,530	2	1964-2001	
322312	DRAYTON, ND	4834N	9711W	800	3	1967-2000	
322365	DUNN CENTER 2 SW, ND	4721N	10239W	2,232	4	1948-2001	
322482	EDGELEY 3 WNW, ND	4622N	9846W	1,558	9	1901-2001	
322525	EDMORE 1 NW, ND	4826N	9828W	1,535	3	1948-2001	
322605	ELLENDALE, ND	4600N	9832W	1,455	9	1948-2001	
322695	ENDERLIN 2 W, ND	4637N	9738W	1,150	9	1952-2001	
322809	FAIRFIELD, ND	4711N	10313W	2,750	7	1948-2001	
322859	FARGO HECTOR AP, ND	4656N	9649W	900	6	1942-2001	FAR
322949	FESSENDEN, ND	4739N	9937W	1,620	5	1932-2001	
323117	FORMAN 5 SSE, ND	4602N	9736W	1,250	9	1948-2001	
323196	FORTUNA 1 W, ND	4855N	10349W	2,350	1	1963-2001	
323207	FORT YATES 4 SW, ND	4603N	10040W	1,675	8	1948-2000	
323217	FOXHOLM 7 N, ND	4828N	10134W	1,675	1	1948-2001	
323287	FULLERTON 1 ESE, ND	4609N	9824W	1,435	9	1948-2001	
323309	GACKLE, ND	4638N	9909W	1,951	9	1948-2001	
323376	GARRISON 1 NNW, ND	4739N	10125W	1,935	5	1948-2001	
323594	GRAFTON, ND	4825N	9725W	827	3	1948-2001	
323616	GRAND FORKS INTL AP, ND	4757N	9711W	839	3	1948-2001	GFK
323621	GRAND FORKS UNIV NWS, ND	4755N	9706W	830	3	1932-2001	
323686	GRANVILLE, ND	4816N	10051W	1,510	2	1948-2001	
323963	HANSBORO 4 NNE, ND	4900N	9921W	1,540	3	1932-2001	
324102	HEBRON, ND	4654N	10203W	2,158	8	1963-2001	
324203	HILLSBORO 3 N, ND	4726N	9704W	910	6	1948-2001	
324413	JAMESTOWN MUNICIPAL AP, ND	4656N	9840W	1,494	5	1948-2001	JMS
324418	JAMESTOWN ST HOSPITAL, ND	4653N	9841W	1,467	5	1881-2001	
324571	KEENE 3 S, ND	4750N	10255W	2,470	4	1950-2001	
324646	KENMARE 1 WSW, ND	4840N	10206W	1,810	3	1944-2001	
324937	LA MOURE, ND	4622N	9817W	1,360	9	1948-2001	
324958	LANGDON EXP FARM, ND	4846N	9821W	1,615	3	1907-2001	
325013	LARIMORE, ND	4755N	9738W	1,133	3	1948-2001	



325078	LEEDS, ND	4817N	9926W	1,530	2	1948-2001	
325210	LINTON, ND	4616N	10014W	1,690	8	1948-2001	
325220	LISBON, ND	4627N	9741W	1,104	9	1932-2001	
325479	MANDAN EXPERIMENT STN, ND	4649N	10055W	1,750	8	1913-2001	
325638	MAX, ND	4749N	10118W	2,110	4	1948-2001	
325710	MC CLUSKY, ND	4729N	10026W	1,925	5	1948-2001	
325730	MC HENRY 3 W, ND	4735N	9839W	1,555	5	1948-2001	
325754	MC LEOD 3 E, ND	4624N	9714W	1,075	9	1948-2001	
325813	MEDORA, ND	4655N	10331W	2,290	7	1948-2001	
325988	MINOT AP, ND	4816N	10117W	1,715	1	1948-2001	MOT
325993	MINOT EXPERIMENT STN, ND	4811N	10118W	1,769	1	1905-2001	
326015	MOFFIT 3 SE, ND	4640N	10015W	1,800	8	1948-2001	
326025	MOHALL, ND	4846N	10131W	1,640	2	1948-2001	
326155	MOTT, ND	4623N	10220W	2,525	7	1948-2001	
326255	NAPOLEON, ND	4630N	9946W	1,980	9	1901-2001	
326315	NEW ENGLAND, ND	4633N	10252W	2,639	7	1948-2001	
326365	NEW SALEM 5 NW, ND	4654N	10129W	2,150	8	1948-2001	
326620	OAKES 2 S, ND	4607N	9805W	1,310	9	1922-2001	
326947	PEMBINA, ND	4858N	9714W	790	3	1948-2001	
327027	PETERSBURG 2 N, ND	4802N	9800W	1,530	3	1948-2001	
327281	POWERS LAKE 1 N, ND	4834N	10239W	2,205	3	1948-2001	
327311	PRETTY ROCK, ND	4610N	10151W	2,480	8	1948-2001	
327530	RICHARDTON ABBEY, ND	4653N	10219W	2,470	7	1948-2001	
327585	RIVERDALE, ND	4729N	10123W	1,960	4	1948-2001	
327664	ROLLA 3 NW, ND	4854N	9940W	1,950	2	1948-2001	
327704	RUGBY, ND	4821N	10000W	1,550	2	1948-2001	
327986	SHARON, ND	4736N	9754W	1,525	6	1948-2001	
328276	STANLEY 3 NNW, ND	4821N	10225W	2,280	3	1948-2001	
328366	STEELE 3 N, ND	4654N	9956W	1,885	5	1948-2001	
328737	TIOGA 1 E, ND	4824N	10255W	2,245	3	1948-2001	
328792	TOWNER 2 NE, ND	4822N	10023W	1,480	2	1948-2001	
328812	TROTTERS 3 SSE, ND	4717N	10354W	2,420	8	1949-2001	
328840	TURTLE LAKE, ND	4731N	10054W	1,906	4	1948-2001	
328872	UNDERWOOD, ND	4727N	10109W	2,020	4	1954-2001	
328913	UPHAM 3 N, ND	4837N	10044W	1,425	4	1948-2001	
328937	VALLEY CITY 3 NNW, ND	4657N	9801W	1,210	6	1948-2001	
328990	VELVA 3 NE, ND	4805N	10053W	1,535	2	1948-2001	

329195	WASHBURN, ND	4717N	10102W	1,735	4	1948-2001	
329233	WATFORD CITY, ND	4748N	10317W	2,170	4	1948-2001	
329246	WATFORD CITY 14 S, ND	4736N	10316W	1,945	4	1951-2001	
329333	WESTHOPE, ND	4855N	10101W	1,502	2	1948-2001	
329400	WILDROSE 3 NW, ND	4840N	10313W	2,260	1	1948-2001	
329425	WILLISTON SLOULIN AP, ND	4810N	10338W	1,902	1	1948-2001	ISN
329430	WILLISTON EXP FARM, ND	4808N	10344W	2,105	1	1956-2001	
329445	WILLOW CITY, ND	4836N	10018W	1,460	2	1948-2001	
329455	WILTON, ND	4709N	10047W	2,170	8	1948-2001	
329515	WISHEK, ND	4615N	9934W	2,120	9	1948-2001	
330058	AKRON CANTON AP, OH	4055N	8126W	1,208	3	1948-2001	CAK
330061	AKRON, OH	4105N	8131W	1,080	3	1970-2000	
330256	ASHLAND 2 SW, OH	4050N	8221W	1,265	6	1936-2001	
330279	ATHENS 2 N, OH	3922N	8206W	650	10	1948-2001	
330430	BARNESVILLE, OH	3959N	8109W	1,240	10	1940-2001	
330563	BELLEFONTAINE, OH	4021N	8346W	1,185	4	1936-2001	
330862	BOWLING GREEN WWTP, OH	4123N	8337W	675	1	1936-2001	
331072	BUCYRUS, OH	4049N	8258W	955	2	1936-2001	
331152	CADIZ, OH	4016N	8100W	1,260	7	1903-2001	
331197	CAMBRIDGE, OH	4001N	8135W	800	10	1948-2001	
331288	CARPENTER 2 S, OH	3909N	8213W	822	9	1963-2001	
331390	CELINA 3 NE, OH	4034N	8432W	860	4	1956-2001	
331404	CENTERBURG 2 SE, OH	4018N	8239W	1,205	6	1950-2001	
331458	CHARDON, OH	4135N	8111W	1,130	3	1945-2001	
331515	CHEVIOT, OH	3909N	8437W	960	8	1965-2001	
331536	CHILO MELDAHL L&D, OH	3848N	8410W	500	8	1938-2001	
331541	CHIPPEWA LAKE, OH	4103N	8156W	1,180	3	1936-2001	
331576	CINCINNATI LUNKEN AP, OH	3906N	8425W	490	8	1948-2001	LUK
331592	CIRCLEVILLE, OH	3937N	8257W	673	5	1942-2001	
331657	CLEVELAND HOPKNS INTL AP, OH	4124N	8151W	770	3	1948-2001	CLE
331783	COLUMBUS VLY CROSSING, OH	3954N	8256W	735	5	1948-2001	
331786	COLUMBUS INTL AP, OH	3959N	8253W	810	5	1948-2001	CMH
331890	COSHOCTON WPC PLANT, OH	4014N	8152W	760	6	1936-2001	
331905	COSHOCTON AGR RES STN, OH	4022N	8148W	1,140	6	1956-2001	
332044	DANVILLE 2 W, OH	4026N	8218W	970	6	1963-2001	
332067	DAYTON MCD, OH	3946N	8411W	745	8	1934-2001	
332075	DAYTON INTL AP, OH	3954N	8413W	1,000	8	1950-2001	DAY

332098	DEFIANCE, OH	4117N	8423W	700	1	1936-2001	
332119	DELAWARE, OH	4019N	8304W	920	5	1936-2001	
332251	DORSET, OH	4141N	8040W	980	3	1956-2001	
332485	EATON, OH	3944N	8438W	1,002	8	1948-2001	
332599	ELYRIA 3 E, OH	4123N	8203W	730	2	1949-2001	
332786	FINDLAY AP, OH	4101N	8340W	800	1	1948-2001	FDY
332791	FINDLAY WPCC, OH	4103N	8340W	768	1	1936-2001	
332928	FRANKLIN, OH	3933N	8419W	670	8	1948-2001	
332956	FREDERICKTOWN 4 S, OH	4025N	8232W	1,050	6	1948-2001	
332974	FREMONT, OH	4120N	8307W	600	2	1948-2001	
333029	GALLIPOLIS, OH	3849N	8211W	569	9	1936-2001	
333375	GREENVILLE WATER PLANT, OH	4006N	8439W	1,024	4	1900-2001	
333758	HILLSBORO, OH	3912N	8337W	1,100	8	1900-2001	
333780	HIRAM, OH	4118N	8109W	1,230	3	1900-2001	
333874	HOYTVILLE 2 NE, OH	4113N	8346W	700	1	1952-2001	
334004	JACKSON 3 NW, OH	3905N	8242W	800	9	1936-2001	
334189	KENTON, OH	4039N	8336W	995	4	1900-2001	
334551	LIMA WWTP, OH	4043N	8408W	850	1	1929-2001	
334681	LONDON, OH	3953N	8327W	1,020	5	1936-2001	
334865	MANSFIELD LAHM AP, OH	4049N	8231W	1,295	6	1948-2001	MFD
334874	MANSFIELD 5 W, OH	4046N	8237W	1,350	6	1948-2001	
334927	MARIETTA WWTP, OH	3925N	8126W	580	10	1963-2001	
334942	MARION 2 N, OH	4037N	8308W	965	5	1936-2001	
334979	MARYSVILLE, OH	4014N	8322W	1,000	5	1936-2001	
335041	MC CONNELSVILLE LOCK 7, OH	3939N	8151W	760	10	1900-2001	
335268	MILFORD, OH	3911N	8417W	520	8	1969-2001	
335297	MILLERSBURG, OH	4033N	8155W	819	6	1936-2001	
335315	MILLPORT 2 NW, OH	4043N	8054W	1,150	7	1936-2001	
335356	MINERAL RIDGE WTR WKS, OH	4109N	8047W	890	3	1940-2000	
335438	MONTPELIER, OH	4135N	8436W	860	1	1936-2001	
335747	NEWARK WATER WORKS, OH	4005N	8225W	835	5	1936-2001	
335857	NEW LEXINGTON 2 NW, OH	3944N	8213W	890	10	1942-2001	
335894	NEW PHILADELPHIA, OH	4029N	8126W	925	7	1948-2001	
336118	NORWALK WWTP, OH	4116N	8237W	670	2	1900-2001	
336196	OBERLIN, OH	4116N	8213W	816	2	1936-2001	
336389	PAINESVILLE 4 NW, OH	4145N	8118W	600	3	1950-2001	
336405	PANDORA, OH	4057N	8359W	770	1	1949-2001	

336465	PAULDING, OH	4108N	8435W	725	1	1936-2001	
336600	PHILO 3 SW, OH	3950N	8155W	1,020	10	1948-2001	
336781	PORTSMOUTH SCIOTOVILLE, OH	3845N	8253W	540	9	1936-2001	
337120	RIPLEY EXP FARM, OH	3847N	8348W	880	8	1959-2001	
337447	SANDUSKY, OH	4127N	8243W	584	2	1936-2001	
337935	SPRINGFIELD NEW WTR WKS, OH	3958N	8349W	930	4	1948-2001	
338025	STEUBENVILLE, OH	4023N	8038W	992	7	1941-2001	
338313	TIFFIN, OH	4107N	8310W	740	2	1936-2001	
338357	TOLEDO EXPRESS AP, OH	4135N	8348W	669	1	1955-2001	TOL
338366	TOLEDO BLADE, OH	4139N	8332W	600	1	1948-2000	
338534	UPPER SANDUSKY, OH	4050N	8317W	854	2	1936-2001	
338552	URBANA WWTP, OH	4006N	8347W	1,000	4	1936-2001	
338609	VAN WERT 1 S, OH	4051N	8435W	790	1	1936-2001	
338769	WARREN 3 S, OH	4112N	8049W	900	3	1936-2001	
338794	WASHINGTON COURT HOUSE, OH	3932N	8326W	960	5	1936-2000	
338822	WAUSEON WATER PLANT, OH	4131N	8409W	750	1	1936-2001	
338830	WAVERLY, OH	3907N	8259W	560	9	1936-2001	
338951	WESTERVILLE, OH	4008N	8257W	810	5	1952-2001	
339219	WILMINGTON 3 N, OH	3929N	8349W	1,030	8	1936-2001	
339312	WOOSTER EXP STN, OH	4047N	8155W	1,020	6	1900-2001	
339361	XENIA 6 SSE, OH	3937N	8354W	968	8	1936-2001	
339406	YOUNGSTOWN MUNICIPAL AP, OH	4115N	8040W	1,180	3	1948-2001	YNG
340017	ADA, OK	3447N	9641W	1,015	8	1907-2001	
340179	ALTUS IRIG RES STATION, OK	3435N	9920W	1,380	7	1948-2001	
340184	ALTUS DAM, OK	3453N	9918W	1,525	7	1948-2001	
340193	ALVA, OK	3649N	9839W	1,395	3	1948-2001	
340224	ANADARKO 3 E, OK	3504N	9812W	1,168	7	1948-2001	
340256	ANTLERS, OK	3415N	9539W	520	9	1948-2001	
340292	ARDMORE, OK	3410N	9708W	880	8	1901-2001	
340332	ARNETT, OK	3608N	9946W	2,445	1	1948-2001	
340535	BARNSDALL, OK	3634N	9610W	770	3	1948-2001	
340548	BARTLESVILLE 2 W, OK	3645N	9600W	715	3	1948-2001	BVO
340593	BEAVER, OK	3649N	10032W	2,465	1	1948-2001	Q44
340755	BILLINGS, OK	3632N	9727W	1,000	2	1948-2001	
340782	BIXBY, OK	3559N	9553W	605	3	1948-2001	
340830	BLANCHARD 2 SSW, OK	3507N	9740W	1,275	5	1952-2001	
340908	BOISE CITY 2 E, OK	3644N	10229W	4,145	3	1948-2001	

341144	BRISTOW, OK	3550N	9624W	830	5	1915-2001	
341243	BUFFALO, OK	3651N	9938W	1,795	1	1948-2001	
341445	CANTON, OK	3604N	9835W	1,590	4	1948-2001	
341504	CARNEGIE 5 NE, OK	3511N	9835W	1,481	7	1948-2001	
341684	CHANDLER 1, OK	3542N	9653W	925	5	1901-2001	
341706	CHATTANOOGA 3 NE, OK	3427N	9837W	1,154	7	1948-2001	
341724	CHEROKEE, OK	3646N	9822W	1,180	3	1948-2001	
341750	CHICKASHA EXPERIMENT STN, OK	3503N	9755W	1,085	5	1953-2001	
341828	CLAREMORE 2 ENE, OK	3619N	9535W	588	3	1948-2001	
341909	CLINTON, OK	3531N	9859W	1,610	4	1948-2001	
342125	CORDELL, OK	3517N	9859W	1,540	4	1948-2001	
342318	CUSHING, OK	3559N	9646W	950	5	1948-2001	
342660	DUNCAN, OK	3430N	9758W	1,125	8	1948-2001	
342678	DURANT, OK	3400N	9622W	600	8	1901-2001	
342818	EL RENO 1 N, OK	3533N	9757W	1,315	5	1893-2001	
342849	ELK CITY, OK	3523N	9924W	1,970	4	1948-2001	
342912	ENID, OK	3625N	9752W	1,245	2	1894-2001	
342944	ERICK, OK	3513N	9952W	2,060	4	1948-2001	
342993	EUFAULA 6 SSW, OK	3512N	9535W	620	6	1948-2001	
343304	FORT SUPPLY 3 SE, OK	3633N	9932W	2,030	3	1948-2001	
343353	FREDERICK, OK	3423N	9901W	1,285	7	1905-2001	
343358	FREEDOM, OK	3646N	9907W	1,535	3	1948-2001	
343407	GAGE AP, OK	3618N	9946W	2,191	1	1948-2001	GAG
343489	GATE, OK	3651N	10003W	2,250	1	1959-2001	
343497	GEARY, OK	3538N	9819W	1,595	4	1948-2001	
343628	GOODWELL RESEARCH STA, OK	3636N	10137W	3,310	3	1948-2001	
343740	GREAT SALT PLAINS DAM, OK	3645N	9808W	1,200	3	1948-2001	
343821	GUTHRIE 5 S, OK	3549N	9724W	1,110	5	1948-2001	
343871	HAMMON 3 SSW, OK	3535N	9924W	1,820	4	1948-2001	
343884	HANNA, OK	3512N	9553W	679	6	1949-2001	
344001	HEALDTON, OK	3413N	9728W	734	8	1948-2001	
344019	HELENA 1 SSE, OK	3632N	9817W	1,350	2	1948-2001	
344055	HENNESSEY 4 ESE, OK	3606N	9750W	1,150	5	1948-2001	
344204	HOBART MUNICIPAL AP, OK	3500N	9903W	1,570	7	1948-2001	HBR
344235	HOLDENVILLE 2 SSE, OK	3503N	9622W	855	6	1901-2001	
344249	HOLLIS 5 E, OK	3441N	9949W	1,621	7	1923-2001	
344298	HOOKER, OK	3652N	10112W	2,995	1	1948-2001	

344384	HUGO, OK	3400N	9531W	570	9	1948-2001	
344451	IDABEL, OK	3353N	9449W	460	9	1948-2001	
344573	JEFFERSON, OK	3643N	9747W	1,045	2	1897-2001	
344672	KANSAS 1 ESE, OK	3612N	9447W	1,180	3	1959-2001	
344766	KENTON, OK	3654N	10258W	4,350	1	1948-2001	
344861	KINGFISHER 2 SE, OK	3551N	9754W	1,100	5	1897-2001	
344975	LAKE EUFAULA, OK	3517N	9526W	850	6	1970-2001	
345063	LAWTON, OK	3437N	9827W	1,150	7	1948-2001	
345216	LINDSAY 2 W, OK	3449N	9739W	980	8	1948-2001	
345468	MADILL, OK	3407N	9647W	770	8	1948-2001	
345509	MANGUM, OK	3453N	9930W	1,595	7	1948-2001	
345522	MANNFORD 6 NW, OK	3610N	9626W	830	5	1948-2001	
345563	MARIETTA 5 SW, OK	3353N	9710W	802	8	1948-2001	
345664	MCALESTER MUNICIPAL AP, OK	3454N	9547W	760	6	1953-2001	MLC
345693	MC CURTAIN 1 SE, OK	3509N	9458W	659	6	1948-2001	
345779	MEEKER 5 W, OK	3530N	9659W	925	5	1948-2001	
345855	MIAMI, OK	3653N	9453W	805	3	1948-2001	
346130	MUSKOGEE, OK	3543N	9517W	518	6	1948-2001	
346139	MUTUAL, OK	3614N	9910W	1,865	3	1948-2001	
346278	NEWKIRK 1 NW, OK	3653N	9704W	1,140	2	1898-2001	
346386	NORMAN, OK	3514N	9727W	1,179	5	1948-2001	
346485	NOWATA, OK	3642N	9538W	710	3	1948-2001	
346629	OKEENE, OK	3607N	9819W	1,215	4	1948-2001	
346638	OKEMAH, OK	3526N	9618W	935	5	1912-2001	
346661	OKLAHOMA CITY AP, OK	3523N	9736W	1,304	5	1948-2001	OKC
346670	OKMULGEE WATER WORKS, OK	3537N	9601W	647	6	1948-2001	
346926	PAULS VALLEY 4 WSW, OK	3444N	9717W	940	8	1900-2001	
346935	PAWHUSKA, OK	3640N	9621W	835	3	1898-2001	
347012	PERRY, OK	3617N	9717W	1,025	2	1948-2001	
347201	PONCA CITY FAA AP, OK	3644N	9706W	999	2	1948-2001	PNC
347309	PRYOR, OK	3618N	9519W	625	3	1948-2001	
347327	PURCELL, OK	3502N	9722W	1,075	5	1948-2001	
347390	RALSTON, OK	3630N	9644W	825	3	1948-2001	
347579	REYDON 2 SSE, OK	3538N	9955W	2,385	4	1948-2001	
347862	SALLISAW 2 NW, OK	3527N	9448W	660	6	1948-2001	
348042	SEMINOLE, OK	3514N	9640W	900	5	1948-2001	
348285	SMITHVILLE, OK	3429N	9437W	822	9	1888-2001	

348380	SPAVINAW, OK	3623N	9503W	685	3	1948-2001	
348501	STILLWATER 2 W, OK	3607N	9706W	895	5	1893-2001	
348506	STILWELL 5 NNW, OK	3554N	9439W	1,000	6	1948-2001	
348677	TAHLEQUAH, OK	3556N	9458W	850	6	1948-2001	
348708	TALOGA, OK	3602N	9858W	1,705	4	1948-2001	
348992	TULSA INTL AP, OK	3612N	9553W	650	3	1948-2001	TUL
349023	TUSKAHOMA, OK	3438N	9517W	600	9	1948-2001	
349203	VINITA 2 N, OK	3640N	9508W	735	3	1948-2001	
349247	WAGONER, OK	3558N	9522W	590	3	1948-2001	
349278	WALTERS, OK	3422N	9818W	1,005	7	1948-2001	
349364	WATONGA, OK	3551N	9825W	1,550	4	1948-2001	
349395	WAURIKA, OK	3410N	9800W	875	8	1910-2001	
349404	WAYNOKA 3 S, OK	3632N	9853W	1,450	3	1948-2001	
349422	WEATHERFORD, OK	3531N	9842W	1,618	4	1948-2001	
349445	WEBBERS FALLS 5 WSW, OK	3529N	9512W	550	6	1948-2001	
349629	WICHITA MTN WL REF, OK	3444N	9843W	1,665	7	1948-2001	
349634	WILBURTON 9 ENE, OK	3457N	9510W	635	9	1948-2001	
350036	ADEL, OR	4211N	11954W	4,583	7	1956-2001	
350118	ALKALI LAKE, OR	4258N	12000W	4,332	7	1961-2001	
350197	ANTELOPE 1 NW, OR	4455N	12044W	2,840	6	1931-2001	
350265	ARLINGTON, OR	4543N	12012W	277	6	1948-2001	
350304	ASHLAND, OR	4213N	12243W	1,724	3	1948-2001	
350328	ASTORIA CLATSOP CO AP, OR	4609N	12353W	9	1	1953-2001	AST
350356	AUSTIN 3 S, OR	4434N	11829W	4,213	8	1948-2001	
350412	BAKER, OR	4450N	11749W	3,368	8	1948-2001	BKE
350471	BANDON 2 NNE, OR	4309N	12424W	20	1	1948-2001	
350501	BARNES STATION, OR	4357N	12013W	3,970	7	1961-2001	
350652	BELKNAP SPRINGS 8 N, OR	4417N	12202W	2,152	4	1960-2001	
350694	BEND, OR	4403N	12117W	3,660	7	1928-2001	
350723	BEULAH, OR	4354N	11809W	3,270	9	1948-2001	
350858	BOARDMAN, OR	4550N	11942W	300	6	1971-2001	
350897	BONNEVILLE DAM, OR	4538N	12157W	62	2	1948-2001	
351055	BROOKINGS 2 SE, OR	4202N	12415W	46	1	1931-2001	4BK
351067	BROTHERS, OR	4349N	12036W	4,640	7	1959-2001	
351433	CASCADIA, OR	4424N	12229W	860	2	1931-2001	
351448	CAVE JUNCTION 1 WNW, OR	4211N	12341W	1,280	3	1962-2001	
351546	CHEMULT, OR	4317N	12147W	4,760	5	1948-2001	

351643	CLATSKANIE, OR	4606N	12312W	22	2	1948-2001	
351682	CLOVERDALE, OR	4512N	12354W	12	1	1948-2001	
351765	CONDON, OR	4514N	12011W	2,840	6	1928-2001	
351836	COQUILLE CITY, OR	4311N	12412W	23	1	1971-2001	
351862	CORVALLIS STATE UNIV, OR	4438N	12311W	225	2	1948-2001	
351877	CORVALLIS WATER BUREAU, OR	4431N	12327W	592	2	1948-2001	
351897	COTTAGE GROVE 1 NNE, OR	4348N	12303W	595	2	1948-2001	
351902	COTTAGE GROVE DAM, OR	4343N	12303W	831	2	1943-2001	
351926	COVE, OR	4518N	11748W	2,915	8	1948-2001	
351946	CRATER LAKE NATL PARK HQ, OR	4254N	12208W	6,475	5	1931-2001	
352112	DALLAS 2 NE, OR	4457N	12318W	290	2	1928-2001	
352135	DANNER, OR	4257N	11720W	4,225	9	1931-2001	
352292	DETROIT DAM, OR	4443N	12215W	1,220	4	1954-2001	
352374	DORENA DAM, OR	4347N	12258W	820	2	1948-2001	
352406	DRAIN, OR	4340N	12320W	292	3	1910-2001	
352415	DREWSEY, OR	4348N	11823W	3,515	7	1970-2001	
352440	DUFUR, OR	4527N	12108W	1,330	6	1904-2001	
352597	ELGIN, OR	4534N	11755W	2,655	8	1948-2001	
352633	ELKTON 3 SW, OR	4336N	12335W	120	1	1948-2001	
352678	ENTERPRISE 20 NNE, OR	4543N	11709W	3,280	8	1969-2001	
352693	ESTACADA 2 SE, OR	4516N	12219W	450	2	1948-2001	
352709	EUGENE MAHLON SWEET AP, OR	4408N	12313W	353	2	1939-2001	EUG
352805	FALLS CITY NO 2, OR	4451N	12326W	420	1	1961-2001	
352867	FERN RIDGE DAM, OR	4407N	12318W	485	2	1943-2001	
352997	FOREST GROVE, OR	4531N	12306W	180	2	1928-2001	
353038	FOSSIL, OR	4500N	12013W	2,650	7	1928-2001	
353047	FOSTER DAM, OR	4425N	12240W	550	2	1969-2001	
353356	GOLD BEACH RANGER STN, OR	4224N	12425W	50	1	1948-2001	
353402	GOVERNMENT CAMP, OR	4518N	12144W	3,980	4	1951-2001	
353445	GRANTS PASS, OR	4226N	12321W	925	3	1928-2001	
353542	GRIZZLY, OR	4431N	12056W	3,635	7	1948-2001	
353604	HALFWAY, OR	4453N	11707W	2,665	8	1948-2001	
353692	HART MOUNTAIN REFUGE, OR	4233N	11939W	5,616	7	1939-2001	
353770	HEADWORKS PTLD WTR BUR, OR	4527N	12209W	748	2	1904-2001	
353827	HEPPNER, OR	4522N	11934W	1,885	6	1928-2001	
353908	HILLSBORO, OR	4531N	12259W	160	2	1948-2001	
353995	HONEYMAN STATE PARK, OR	4356N	12406W	115	1	1971-2001	



354003	HOOD RIVER EXP STN, OR	4541N	12131W	500	6	1928-2001	
354060	HOWARD PRAIRIE DAM, OR	4214N	12223W	4,567	3	1960-2001	
354098	HUNTINGTON, OR	4421N	11715W	2,110	8	1948-2001	
354126	IDLEYLD PARK 4 NE, OR	4322N	12258W	1,080	3	1958-2001	
354133	ILLAHE, OR	4238N	12403W	348	1	1948-2001	
354175	IRONSIDE 2 W, OR	4419N	11759W	3,915	9	1955-2001	
354291	JOHN DAY, OR	4425N	11858W	3,063	8	1950-2001	
354411	KENT, OR	4512N	12042W	2,710	6	1948-2001	
354506	KLAMATH FALLS 2 SSW, OR	4212N	12147W	4,098	7	1928-2001	
354511	KLAMATH FALLS AG STA, OR	4211N	12144W	4,092	7	1949-2001	
354622	LA GRANDE, OR	4519N	11804W	2,755	8	1965-2001	
354670	LAKEVIEW 2 NNW, OR	4213N	12022W	4,778	7	1928-2001	
354811	LEABURG 1 SW, OR	4406N	12241W	675	2	1948-2001	
355020	LONG CREEK, OR	4443N	11906W	3,720	8	1957-2001	LOGO
355050	LOOKOUT POINT DAM, OR	4355N	12246W	712	2	1955-2001	
355055	LOST CREEK DAM, OR	4240N	12241W	1,580	3	1970-2001	
355139	MADRAS, OR	4438N	12108W	2,230	7	1928-2001	
355142	MADRAS 2 N, OR	4440N	12109W	2,440	7	1952-2001	
355160	MALHEUR BRANCH EXP STN, OR	4359N	11701W	2,260	9	1943-2001	
355162	MALHEUR REFUGE HDQ, OR	4316N	11851W	4,109	7	1959-2001	
355174	MALIN 5 E, OR	4200N	12119W	4,627	7	1968-2001	
355221	MARION FRKS FISH HATCH, OR	4437N	12157W	2,475	4	1948-2001	
355258	MASON DAM, OR	4440N	11800W	3,900	8	1969-2000	
355335	MC DERMITT 26 N, OR	4225N	11752W	4,464	9	1955-2001	
355362	MC KENZIE BRIDGE R S, OR	4411N	12207W	1,478	4	1948-2001	
355384	MC MINNVILLE, OR	4513N	12310W	155	2	1928-2001	
355424	MEDFORD EXPERIMENT STN, OR	4218N	12252W	1,457	3	1937-2001	
355429	MEDFORD AP, OR	4223N	12252W	1,300	3	1928-2001	MFR
355593	MILTON FREEWATER, OR	4557N	11825W	970	6	1928-2001	
355711	MONUMENT 2, OR	4449N	11925W	1,995	8	1961-2001	
355734	MORO, OR	4529N	12043W	1,870	6	1928-2001	
356032	NEWPORT, OR	4439N	12403W	122	1	1931-2001	JNW
356073	NORTH BEND AP, OR	4325N	12415W	6	1	1931-2001	OTH
356151	N WILLAMETTE EXP STN, OR	4517N	12245W	150	2	1963-2001	
356179	NYSSA, OR	4353N	11659W	2,175	9	1948-2001	
356213	OAKRIDGE FISH HATCHERY, OR	4345N	12227W	1,275	4	1948-2001	
356243	OCHOCO RANGER STATION, OR	4424N	12026W	3,975	7	1948-2001	

356294	ONTARIO KSRV, OR	4403N	11658W	2,145	9	1948-2001	ONO
356302	O O RANCH, OR	4317N	11919W	4,136	7	1950-2001	
356334	OREGON CITY, OR	4521N	12236W	167	2	1948-2001	
356366	OTIS 2 NE, OR	4502N	12355W	150	1	1948-2001	
356405	OWYHEE DAM, OR	4339N	11715W	2,400	9	1948-2001	
356426	PAISLEY, OR	4242N	12032W	4,360	7	1948-2001	
356500	PAULINA, OR	4408N	12000W	3,684	7	1961-2001	
356532	PELTON DAM, OR	4444N	12115W	1,410	7	1958-2001	
356540	PENDLETON BR EXP STN, OR	4543N	11838W	1,487	6	1956-2001	
356541	PENDLETON DOWNTOWN, OR	4540N	11848W	1,040	6	1948-2001	
356546	PENDLETON MUNICIPAL AP, OR	4542N	11850W	1,482	6	1928-2001	PDT
356634	PILOT ROCK 1 SE, OR	4529N	11850W	1,720	6	1948-2001	MEH
356751	PORTLAND INTL AP, OR	4535N	12236W	19	2	1941-2001	PDX
356784	PORT ORFORD 2, OR	4245N	12430W	42	1	1963-2001	
356820	POWERS, OR	4253N	12404W	230	1	1948-2001	
356853	P RANCH REFUGE, OR	4250N	11853W	4,195	7	1948-2001	
356883	PRINEVILLE 4 NW, OR	4420N	12054W	2,840	7	1928-2001	
356907	PROSPECT 2 SW, OR	4244N	12231W	2,482	3	1931-2001	
357062	REDMOND ROBERTS AP, OR	4415N	12109W	3,060	7	1948-2000	RDM
357160	RICHLAND, OR	4446N	11710W	2,215	8	1948-2001	
357169	RIDDLE, OR	4257N	12321W	680	3	1948-2001	
357208	RIVERSIDE 7 SSW, OR	4327N	11813W	3,380	9	1966-2001	
357277	ROCKVILLE 5 N, OR	4322N	11707W	3,670	9	1963-2001	
357310	ROME 2 NW, OR	4252N	11739W	3,405	9	1950-2001	
357331	ROSEBURG KQEN, OR	4313N	12323W	425	3	1965-2001	
357391	RUCH, OR	4213N	12303W	1,550	3	1963-2001	
357500	SALEM MCNARY AP, OR	4454N	12300W	205	2	1928-2001	SLE
357554	SANTIAM JUNCTION, OR	4426N	12157W	3,750	4	1949-2001	
357631	SCOTTS MILLS 9 SE, OR	4457N	12231W	2,315	2	1956-2001	
357641	SEASIDE, OR	4559N	12355W	10	1	1930-2001	
357675	SENECA, OR	4408N	11859W	4,660	8	1949-2001	
357698	SEXTON SUMMIT, OR	4236N	12322W	3,832	3	1948-2001	SXT
357736	SHEAVILLE 1 SE, OR	4307N	11702W	4,620	9	1952-2001	
357809	SILVER CREEK FALLS, OR	4452N	12239W	1,350	2	1948-2001	
357817	SILVER LAKE RANGER STN, OR	4307N	12104W	4,382	5	1968-2001	
357823	SILVERTON, OR	4500N	12246W	408	2	1962-2001	
357857	SISTERS, OR	4417N	12133W	3,180	7	1958-2001	

358007	SPRAGUE RIVER 2 SE, OR	4226N	12129W	4,483	7	1953-2001	
358029	SQUAW BUTTE EXP STATION, OR	4329N	11943W	4,660	7	1937-2001	
358095	STAYTON, OR	4447N	12249W	425	2	1951-2001	
358173	SUMMER LAKE 1 S, OR	4258N	12047W	4,192	5	1957-2001	
358407	THE DALLES, OR	4536N	12112W	150	6	1948-2001	
358420	THE POPLARS, OR	4316N	12057W	4,310	5	1947-2001	
358466	THREE LYNX, OR	4508N	12204W	1,120	4	1931-2001	
358481	TIDEWATER 2 SW, OR	4424N	12356W	35	1	1948-2000	
358494	TILLAMOOK 1 W, OR	4527N	12352W	10	1	1948-2001	
358536	TOKETEE FALLS, OR	4317N	12227W	2,060	3	1953-2001	
358634	TROUTDALE, OR	4533N	12223W	35	2	1948-2001	
358726	UKIAH, OR	4508N	11856W	3,347	8	1931-2001	
358746	UNION EXPERIMENT STN, OR	4512N	11753W	2,765	8	1928-2001	
358780	UNITY, OR	4426N	11811W	4,031	8	1948-2001	
358797	VALE, OR	4359N	11715W	2,240	9	1928-2001	
358812	VALLEY FALLS, OR	4229N	12017W	4,325	7	1948-2001	
358884	VERNONIA 2, OR	4552N	12311W	625	2	1967-2001	
358997	WALLOWA, OR	4534N	11732W	2,923	8	1948-2001	
359176	WESTFALL, OR	4359N	11743W	3,040	9	1962-2001	
359290	WHITEHORSE RANCH, OR	4220N	11814W	4,380	7	1965-2001	
359316	WICKIUP DAM, OR	4341N	12141W	4,358	5	1941-2001	
360106	ALLENTOWN LEHIGH VLY AP, PA	4039N	7527W	390	2	1948-2001	ABE
360140	ALTOONA 3 W, PA	4030N	7828W	1,320	8	1967-2001	
360560	BELTZVILLE DAM, PA	4046N	7544W	735	2	1971-2001	
360763	BLOSERVILLE 1 N, PA	4016N	7722W	700	4	1948-2001	
360865	BRADFORD RGNL AP, PA	4148N	7838W	2,117	10	1957-2001	BFD
360868	BRADFORD 4 SW RES 5, PA	4154N	7843W	1,692	10	1948-2001	
361139	BUTLER 2 SW, PA	4051N	7955W	1,000	9	1967-2001	
361354	CHAMBERSBURG 1 ESE, PA	3956N	7738W	640	4	1948-2001	
361485	CLARION 3 SW, PA	4112N	7926W	1,040	10	1948-2001	
361705	CONFLUENCE 1 SW DAM, PA	3948N	7922W	1,490	9	1948-2001	
362108	DERRY 4 SW, PA	4018N	7920W	1,060	9	1926-2001	
362183	DONEGAL 2 NW, PA	4008N	7924W	1,800	9	1948-2001	
362190	DONORA 1 SW, PA	4010N	7952W	762	9	1926-2001	
362470	EBENSBURG SEWAGE PLANT, PA	4028N	7844W	1,940	8	1964-2001	
362629	EMPORIUM, PA	4130N	7814W	1,040	7	1969-2001	
362682	ERIE AP, PA	4205N	8011W	730	10	1926-2001	ERI

362721	EVERETT, PA	4001N	7822W	1,000	8	1943-2001	
362942	FORD CITY 4 S DAM, PA	4043N	7930W	930	9	1943-2001	
363018	FRANCIS E WALTER DAM, PA	4107N	7544W	1,509	1	1963-2001	
363028	FRANKLIN, PA	4123N	7949W	990	10	1926-2001	
363437	GRATERFORD 1 E, PA	4014N	7526W	240	3	1960-2001	
363758	HAWLEY 1 E, PA	4129N	7510W	890	1	1926-2001	
364214	INDIANA 3 SE, PA	4036N	7907W	1,102	9	1948-2001	
364325	JAMESTOWN 2 NW, PA	4130N	8028W	1,040	10	1948-2001	
364432	KANE 1 NNE, PA	4141N	7848W	1,750	10	1948-2001	
364763	LANCASTER 2 NE FILT PLT, PA	4003N	7617W	270	3	1948-2001	
364778	LANDISVILLE 2 NW, PA	4007N	7626W	360	4	1952-2001	
364836	LAUREL MOUNTAIN, PA	4012N	7911W	2,760	9	1970-2001	
364853	LAURELTON CENTER, PA	4054N	7713W	800	5	1948-2001	
364896	LEBANON 2 W, PA	4020N	7628W	450	3	1948-2001	
364992	LEWISTOWN, PA	4035N	7734W	460	5	1948-2001	
365050	LINESVILLE 1 S, PA	4139N	8026W	1,030	10	1948-2001	
365390	MARCUS HOOK, PA	3949N	7525W	10	3	1948-2001	
365470	MATAMORAS, PA	4122N	7442W	420	1	1948-2001	
365573	MCKEESPORT, PA	4020N	7952W	740	9	1948-2001	
365651	MERCER, PA	4113N	8014W	1,220	10	1950-2001	
365902	MONTGOMERY LOCK & DAM, PA	4039N	8023W	690	9	1961-2001	
365915	MONTROSE, PA	4152N	7551W	1,420	6	1926-2001	
366194	NESHAMINY FALLS, PA	4009N	7457W	60	3	1948-2001	
366233	NEW CASTLE 1 N, PA	4101N	8022W	825	9	1926-2001	
366370	NORRISTOWN, PA	4007N	7522W	70	3	1948-2001	
366889	PHILADELPHIA INTL AP, PA	3952N	7514W	5	3	1948-2001	PHL
366927	PHOENIXVILLE 1 E, PA	4007N	7530W	105	3	1948-2001	
366993	PITTSBURGH INTL AP, PA	4030N	8014W	1,150	9	1952-2001	PIT
367029	PLEASANT MOUNT 1 W, PA	4144N	7527W	1,799	1	1948-2001	
367229	PUTNEYVILLE 2 SE DAM, PA	4056N	7917W	1,280	9	1948-2001	
367409	RENOVO, PA	4120N	7744W	660	7	1948-2001	
367477	RIDGWAY, PA	4125N	7845W	1,360	7	1926-2001	
367782	SALINA 3 W, PA	4031N	7933W	1,109	9	1953-2001	
367931	SELINGSGROVE 2 S, PA	4047N	7652W	420	5	1926-2001	
368073	SHIPPENSBURG, PA	4003N	7731W	680	4	1948-2001	
368184	SLIPPERY ROCK 1 SSW, PA	4103N	8004W	1,250	9	1949-2001	
368449	STATE COLLEGE, PA	4048N	7752W	1,170	7	1926-2001	

368469	STEVENSON DAM, PA	4124N	7801W	932	7	1969-2001	
368596	STROUDSBURG, PA	4101N	7511W	460	1	1926-2001	
368873	TIONESTA 2 SE LAKE, PA	4129N	7926W	1,200	10	1948-2001	
368888	TITUSVILLE WATER WORKS, PA	4138N	7942W	1,220	10	1954-2001	
368893	TOBYHANNA POCONO MTN A, PA	4108N	7522W	1,916	1	1961-2001	
368905	TOWANDA 1 ESE, PA	4145N	7626W	750	6	1926-2001	
369050	UNIONTOWN 1 NE, PA	3955N	7943W	956	9	1926-2001	
369298	WARREN, PA	4151N	7909W	1,210	10	1926-2001	
369367	WAYNESBURG 1 E, PA	3954N	8010W	940	9	1948-2001	
369408	WELLSBORO 4 SW, PA	4142N	7723W	1,818	6	1926-2001	
369464	WEST CHESTER 2 NW, PA	3958N	7538W	375	3	1948-2001	
369705	WILKES BRE SCTN AP AVOCA, PA	4120N	7544W	930	1	1964-2001	AVP
369728	WILLIAMSPORT LYCOMING AP, PA	4115N	7655W	520	5	1948-2001	IPT
369933	YORK 3 SSW PUMP STN, PA	3955N	7645W	390	4	1926-2001	
374266	KINGSTON, RI	4129N	7132W	100	1	1926-2001	
375215	NEWPORT ROSE, RI	4130N	7121W	15	1	1957-2001	
376698	PROVIDENCE GREEN AP, RI	4143N	7126W	51	1	1948-2001	PVD
380074	AIKEN 4 NE, SC	3336N	8141W	400	5	1948-2001	
380165	ANDERSON, SC	3432N	8240W	800	2	1948-2001	
380170	ANDERSON CO AP, SC	3430N	8243W	760	2	1948-2001	AND
380184	ANDREWS, SC	3326N	7934W	35	4	1962-2001	
380448	BAMBERG, SC	3318N	8102W	165	7	1951-2001	
380559	BEAUFORT WWTP, SC	3224N	8042W	25	7	1930-2000	
380736	BISHOPVILLE 8 NNW, SC	3420N	8018W	249	6	1948-2001	
380764	BLACKVILLE 3 W, SC	3322N	8120W	324	7	1930-2001	
381093	BROOKGREEN GARDENS, SC	3331N	7906W	20	4	1957-2001	
381256	CAESARS HEAD, SC	3505N	8237W	3,200	1	1967-2001	
381277	CALHOUN FALLS, SC	3405N	8235W	530	5	1930-2001	
381310	CAMDEN 3 W, SC	3415N	8039W	140	3	1948-2001	
381544	CHARLESTON INTL AP, SC	3254N	8002W	40	7	1930-2001	CHS
381549	CHARLESTON CITY, SC	3247N	7956W	10	7	1948-2001	1549
381588	CHERAW, SC	3442N	7953W	140	4	1930-2001	
381633	CHESTER 1 NW, SC	3443N	8113W	520	3	1948-2001	
381726	CLARK HILL 1 W, SC	3340N	8211W	380	5	1952-2001	
381770	CLEMSON UNIVERSITY, SC	3440N	8249W	824	2	1930-2001	
381939	COLUMBIA METRO AP, SC	3357N	8107W	213	6	1948-2001	CAE
381944	COLUMBIA UNIV OF SC, SC	3359N	8101W	242	6	1930-2001	

381997	CONWAY, SC	3350N	7903W	20	4	1930-2001	
382260	DARLINGTON, SC	3418N	7953W	150	4	1948-2001	
382386	DILLON, SC	3425N	7923W	115	4	1948-2001	
382730	EDISTO ISLAND, SC	3228N	8020W	8	7	1956-2001	
383106	FLORENCE RGNL AP, SC	3412N	7944W	146	4	1948-2001	FLO
383111	FLORENCE 8 NE, SC	3418N	7944W	120	4	1948-2001	
383468	GEORGETOWN 2 E, SC	3322N	7913W	10	4	1930-2001	
383747	GRNVL SPART AP GREER, SC	3454N	8213W	957	2	1962-2001	GSP
383754	GREENWOOD 3 SW, SC	3412N	8210W	615	5	1948-2001	
383906	HAMPTON, SC	3252N	8107W	95	7	1951-2001	
384197	HOLLY HILL, SC	3320N	8025W	100	6	1957-2001	
384607	JOHNSTON 4 SW, SC	3347N	8151W	620	5	1957-2001	
384690	KERSHAW 2 SW, SC	3431N	8036W	500	3	1948-2001	
384753	KINGSTREE 1 SE, SC	3339N	7949W	60	4	1930-2001	
384886	LAKE CITY 2 SE, SC	3351N	7944W	75	4	1948-2001	
385017	LAURENS, SC	3431N	8202W	589	2	1930-2001	
385200	LITTLE MOUNTAIN, SC	3412N	8125W	711	5	1930-2001	
385278	LONGCREEK, SC	3448N	8315W	1,660	1	1948-2001	
385306	LORIS 1 S, SC	3403N	7852W	90	4	1948-2001	
385628	MCCLELLANVILLE, SC	3304N	7928W	12	7	1957-2001	
385633	MCCOLL 3 NNW, SC	3442N	7934W	190	4	1948-2001	
386209	NEWBERRY, SC	3417N	8138W	476	5	1948-2001	
386293	NINETY NINE ISLANDS, SC	3504N	8130W	500	2	1948-2001	
386527	ORANGEBURG 2, SC	3329N	8052W	180	6	1948-2001	
386616	PAGELAND, SC	3446N	8024W	620	4	1968-2001	
386688	PARR, SC	3418N	8119W	258	3	1948-2001	
386775	PELION 4 NW, SC	3343N	8116W	450	6	1948-2001	
386831	PICKENS, SC	3453N	8243W	1,162	2	1951-2001	
387631	SALUDA, SC	3400N	8146W	480	5	1948-2001	
387666	SANDHILL RESEARCH ELGIN, SC	3409N	8052W	440	6	1957-2001	
387722	SANTUCK, SC	3438N	8131W	520	2	1930-2001	
388405	SULLIVANS ISLAND, SC	3246N	7951W	3	7	1951-2001	
388426	SUMMERVILLE, SC	3259N	8011W	35	7	1930-2000	
388440	SUMTER, SC	3356N	8021W	177	6	1948-2001	
388786	UNION 8 SW, SC	3439N	8145W	560	2	1949-2001	
388887	WALHALLA, SC	3445N	8305W	980	2	1948-2001	
388922	WALTERBORO 1 SW, SC	3253N	8041W	56	7	1948-2001	

389039	WEDGEFIELD, SC	3354N	8031W	250	6	1948-2001	
389122	WEST PELZER 2 W, SC	3439N	8229W	862	2	1965-2001	
389327	WINNSBORO, SC	3422N	8106W	560	3	1930-2001	
389350	WINTHROP UNIVERSITY, SC	3456N	8102W	690	3	1948-2001	
389469	YEMASSEE, SC	3241N	8051W	25	7	1930-2001	
390020	ABERDEEN RGNL AP, SD	4527N	9825W	1,306	3	1932-2001	ABR
390043	ACADEMY 2 NE, SD	4329N	9904W	1,680	8	1898-2001	
390128	ALEXANDRIA, SD	4339N	9747W	1,353	9	1932-2001	
390236	ARDMORE 2 N, SD	4303N	10339W	3,550	5	1948-2001	
390296	ARMOUR, SD	4320N	9821W	1,510	9	1896-2001	
390559	BELLE FOURCHE, SD	4440N	10351W	3,020	3	1948-2001	
390701	BISON, SD	4532N	10228W	2,780	3	1948-2001	
390778	BONESTEEL, SD	4305N	9857W	1,985	9	1956-2001	
391032	BRIDGEWATER, SD	4333N	9730W	1,420	9	1948-2001	
391049	BRITTON, SD	4547N	9745W	1,340	3	1913-2001	
391076	BROOKINGS 2 NE, SD	4419N	9646W	1,640	7	1893-2001	
391294	CAMP CROOK, SD	4533N	10358W	3,120	3	1896-2001	
391392	CANTON 4 WNW, SD	4319N	9639W	1,345	9	1948-2001	
391519	CASTLEWOOD, SD	4444N	9702W	1,685	7	1948-2001	
391539	CEDAR BUTTE 1 NE, SD	4336N	10101W	2,250	8	1951-2001	
391579	CENTERVILLE 6 SE, SD	4303N	9654W	1,260	9	1897-2001	
391739	CLARK, SD	4453N	9744W	1,780	7	1896-2001	
391777	CLEAR LAKE, SD	4445N	9641W	1,800	7	1948-2001	
391873	COLUMBIA 8 N, SD	4544N	9818W	1,300	3	1949-2001	
391917	CONDE, SD	4509N	9806W	1,330	3	1951-2001	
391972	COTTONWOOD 2 E, SD	4358N	10152W	2,414	5	1909-2001	
392087	CUSTER, SD	4346N	10337W	5,480	4	1926-2001	
392207	DEADWOOD, SD	4422N	10344W	4,670	4	1948-2001	
392302	DE SMET, SD	4423N	9733W	1,720	7	1948-2001	
392429	DUPREE, SD	4503N	10136W	2,375	3	1922-2001	
392446	DUPREE 15 SSE, SD	4452N	10128W	2,100	1	1963-2001	
392797	EUREKA, SD	4547N	9938W	1,860	2	1877-2001	
392852	FAITH, SD	4501N	10202W	2,592	3	1926-2001	
392927	FAULKTON 1 NW, SD	4502N	9908W	1,570	2	1896-2001	
392984	FLANDREAU, SD	4403N	9636W	1,560	7	1948-2001	
393029	FORESTBURG 3 NE, SD	4403N	9804W	1,230	7	1896-2001	
393069	FORT MEADE, SD	4425N	10329W	3,300	5	1949-2001	

393217	GANN VALLEY 4 NW, SD	4403N	9904W	1,720	7	1920-2001	
393294	GETTYSBURG, SD	4501N	9958W	2,070	2	1948-2001	
393316	GLAD VALLEY 2 W, SD	4525N	10149W	2,910	3	1949-2001	
393452	GREGORY, SD	4314N	9926W	2,160	8	1926-2001	
393574	HARRINGTON, SD	4310N	10115W	2,980	8	1960-2001	
393608	HARROLD 12 SSW, SD	4422N	9948W	1,800	6	1963-2000	
393832	HIGHMORE 1 W, SD	4431N	9927W	1,890	6	1896-2001	
393838	HIGHMORE 23 N, SD	4451N	9929W	1,870	6	1952-2001	
393857	HILLAND 2 NW, SD	4419N	10152W	2,530	5	1948-2001	
393868	HILL CITY, SD	4356N	10334W	4,980	4	1955-2001	
394007	HOT SPRINGS, SD	4326N	10328W	3,559	4	1908-2001	
394037	HOWARD, SD	4401N	9732W	1,560	7	1948-2001	
394127	HURON AP, SD	4424N	9813W	1,281	7	1948-2001	HON
394184	INTERIOR 3 NE, SD	4345N	10157W	2,440	5	1949-2001	
394206	IPSWICH, SD	4527N	9902W	1,530	2	1948-2001	
394516	KENNEBEC, SD	4354N	9952W	1,700	6	1948-2001	
394596	KIRLEY 6 N, SD	4437N	10120W	2,160	6	1970-2001	
394834	LEAD, SD	4421N	10346W	5,350	4	1948-2001	
394864	LEMMON, SD	4556N	10209W	2,567	1	1948-2001	
394891	LEOLA, SD	4543N	9857W	1,580	3	1948-2001	
394983	LONG VALLEY, SD	4328N	10130W	2,470	5	1948-2001	
395048	LUDLOW 3 SSE, SD	4547N	10322W	2,990	1	1948-2001	
395090	MADISON 2 SE, SD	4359N	9706W	1,660	7	1961-2001	
395154	MANDERSON 3 NE, SD	4316N	10226W	3,095	5	1949-2001	
395228	MARION, SD	4325N	9715W	1,450	9	1948-2001	
395281	MARTIN, SD	4311N	10144W	3,330	5	1948-2001	
395381	MC INTOSH 6 SE, SD	4550N	10117W	2,175	2	1948-2001	
395406	MC LAUGHLIN, SD	4549N	10049W	2,000	2	1919-2001	
395456	MELLETTTE, SD	4509N	9830W	1,290	3	1896-2001	
395481	MENNO, SD	4314N	9734W	1,324	9	1948-2001	
395506	MIDLAND, SD	4404N	10109W	1,870	6	1948-2001	
395536	MILBANK 2 SSW, SD	4512N	9638W	1,160	3	1948-2001	
395544	MILESVILLE 5 NE, SD	4431N	10137W	2,237	3	1948-2001	
395561	MILLER, SD	4431N	9859W	1,590	7	1948-2001	
395620	MISSION, SD	4318N	10040W	2,587	8	1966-2001	
395638	MISSION 14 S, SD	4307N	10037W	2,810	8	1951-2001	
395671	MITCHELL 2 N, SD	4344N	9801W	1,250	9	1896-2001	



395691	MOBRIDGE 2 NNW, SD	4534N	10027W	1,696	2	1948-2001	Y26
395870	MT RUSHMORE NATL MEM, SD	4353N	10327W	5,250	4	1962-2001	
395891	MURDO, SD	4353N	10042W	2,320	6	1948-2001	
396054	NEWELL, SD	4443N	10326W	2,860	1	1948-2001	
396170	OAHE DAM, SD	4427N	10025W	1,660	6	1960-2001	
396212	OELRICHS, SD	4311N	10314W	3,340	5	1948-2001	
396292	ONIDA 4 NW, SD	4444N	10009W	1,850	6	1948-2001	
396304	ORAL, SD	4324N	10316W	2,960	5	1971-2001	
396427	PACTOLA DAM, SD	4404N	10329W	4,720	4	1951-2001	
396552	PHILIP 1 S, SD	4401N	10140W	2,250	5	1948-2000	
396574	PICKSTOWN, SD	4304N	9832W	1,490	9	1948-2001	
396597	PIERRE RGNL AP, SD	4423N	10017W	1,734	6	1948-2001	PIR
396712	POLLOCK, SD	4554N	10017W	1,635	2	1948-2001	
396736	PORCUPINE 11 N, SD	4324N	10223W	2,820	5	1963-2001	
396907	RALPH 1 N, SD	4547N	10304W	2,790	1	1948-2001	
396937	RAPID CITY RGNL AP, SD	4403N	10303W	3,160	5	1948-2001	RAP
396947	RAPID CITY 4 NW, SD	4407N	10317W	3,450	5	1949-2001	
397052	REDFIELD 5 SE, SD	4450N	9826W	1,275	7	1949-2001	3DE
397062	REDIG 11 NE BUFFALO, SD	4523N	10322W	3,070	1	1948-2001	
397277	ROSCOE, SD	4527N	9920W	1,830	2	1948-2001	
397545	SELBY, SD	4530N	10002W	1,870	2	1953-2001	
397667	SIOUX FALLS AP, SD	4335N	9645W	1,422	9	1948-2001	FSD
397742	SISSETON, SD	4540N	9703W	1,220	3	1948-2001	
397882	SPEARFISH, SD	4431N	10352W	3,640	4	1948-2001	
397992	STEPHAN 2 NW, SD	4416N	9930W	1,805	6	1948-2001	
398116	SUMMIT 1 W, SD	4518N	9704W	1,950	3	1956-2001	
398307	TIMBER LAKE, SD	4526N	10104W	2,150	2	1948-2001	
398472	TYNDALL, SD	4259N	9752W	1,420	9	1948-2001	
398528	USTA 8 WNW KELLY RANCH, SD	4515N	10219W	2,380	1	1957-2001	
398622	VERMILLION 2 SE, SD	4246N	9655W	1,190	9	1948-2001	
398767	WAGNER, SD	4305N	9818W	1,430	9	1948-2001	
398911	WASTA, SD	4404N	10226W	2,320	5	1949-2001	
398932	WATERTOWN MUNICIPAL AP, SD	4456N	9709W	1,746	7	1948-2001	ATY
398980	WAUBAY NATL WILDLIFE REF, SD	4526N	9721W	1,830	3	1952-2001	
399004	WEBSTER, SD	4520N	9732W	1,855	3	1952-2001	
399042	WENTWORTH 2 WNW, SD	4401N	9700W	1,690	7	1948-2001	
399070	WESSINGTON SPRINGS, SD	4405N	9834W	1,650	7	1951-2001	

399232	WHITE LAKE, SD	4344N	9843W	1,630	9	1948-2001	
399367	WINNER, SD	4322N	9952W	2,010	8	1948-2001	
399442	WOOD, SD	4330N	10029W	2,180	8	1948-2001	
399502	YANKTON 2 E, SD	4253N	9722W	1,180	9	1948-2001	
400081	ALLARDT, TN	3623N	8453W	1,675	2	1928-2001	
400284	ATHENS, TN	3526N	8435W	940	1	1962-2001	
400876	BOLIVAR WATERWORKS, TN	3516N	8859W	455	4	1930-2001	
401094	BRISTOL TRI CITY AP, TN	3628N	8224W	1,500	1	1948-2001	TRI
401145	BROWNSVILLE, TN	3535N	8915W	330	4	1930-2001	
401480	CARTHAGE, TN	3615N	8557W	515	3	1948-2001	
401561	CELINA, TN	3632N	8528W	540	3	1932-2001	
401587	CENTERVILLE WATER PL, TN	3545N	8726W	660	3	1949-2001	
401656	CHATTANOOGA AP, TN	3502N	8512W	671	1	1928-2001	CHA
401663	CHEATHAM LOCK AND DAM, TN	3619N	8713W	392	3	1971-2001	
401790	CLARKSVILLE SEWAGE PLT, TN	3633N	8721W	382	3	1948-2001	
401808	CLEVELAND FILTER PLANT, TN	3513N	8448W	800	1	1955-2001	
401957	COLUMBIA 3 WNW, TN	3539N	8705W	650	3	1948-2001	
402009	COOKEVILLE, TN	3606N	8530W	1,090	2	1951-2001	
402024	COPPERHILL, TN	3500N	8423W	1,450	1	1948-2001	
402108	COVINGTON 1 W, TN	3534N	8940W	310	4	1928-2001	
402197	CROSSVILLE AP, TN	3557N	8505W	1,867	2	1954-2001	CSV
402202	CROSSVILLE EXP STN, TN	3601N	8508W	1,810	2	1912-2001	
402360	DAYTON 2 SE, TN	3528N	8500W	865	1	1956-2001	
402489	DICKSON, TN	3604N	8723W	780	3	1948-2001	
402589	DOVER 1 W, TN	3629N	8752W	475	3	1928-2001	
402600	DRESDEN, TN	3617N	8842W	450	4	1948-2001	
402685	DYERSBURG AP, TN	3601N	8924W	337	4	1948-2001	
403074	FAYETTEVILLE WATER PLANT, TN	3509N	8632W	725	3	1948-2001	
403280	FRANKLIN SEWAGE PLANT, TN	3557N	8652W	655	3	1928-2001	
403420	GATLINBURG 2 SW, TN	3541N	8332W	1,454	1	1928-2001	
403679	GREENEVILLE EXP STN, TN	3606N	8251W	1,320	1	1948-2001	
404417	HUNTINGDON WATER PLANT, TN	3600N	8825W	440	4	1962-2001	
404556	JACKSON MCKELLAR-SPES AP, TN	3536N	8855W	433	4	1948-2001	MKL
404561	JACKSON EXP STA, TN	3537N	8850W	400	4	1900-2001	
404858	KINGSPORT, TN	3631N	8232W	1,284	1	1931-2001	
404876	KINGSTON SPRINGS, TN	3606N	8707W	517	3	1948-2001	
404946	KNOXVILLE EXP STN, TN	3553N	8357W	830	1	1966-2001	

404950	KNOXVILLE AP, TN	3549N	8359W	962	1	1910-2001	TYS
404987	LAFAYETTE, TN	3631N	8602W	975	3	1955-2001	
405089	LAWRENCEBURG FILTER PLT, TN	3516N	8721W	870	3	1954-2001	
405108	LEBANON, TN	3614N	8619W	525	3	1948-2001	
405158	LENOIR CITY, TN	3547N	8416W	785	1	1962-2001	
405187	LEWISBURG EXP STN, TN	3525N	8648W	787	3	1928-2001	
405210	LEXINGTON, TN	3539N	8824W	540	4	1962-2001	
405278	LINDEN 2, TN	3538N	8750W	498	3	1962-2001	
405332	LIVINGSTON RADIO WLIV, TN	3623N	8520W	975	2	1961-2001	
405681	MARTIN UNIV OF TENN BRA, TN	3620N	8852W	340	4	1936-2001	
405882	MC MINNVILLE, TN	3541N	8548W	940	2	1927-2001	
405954	MEMPHIS INTL AP, TN	3504N	8959W	265	4	1940-2001	MEM
406012	MILAN EXP STN, TN	3554N	8844W	426	4	1930-2001	
406162	MONTEAGLE, TN	3513N	8551W	1,850	2	1938-2001	
406170	MONTEREY, TN	3609N	8516W	1,860	2	1948-2001	
406274	MOSCOW, TN	3504N	8925W	335	4	1948-2001	
406292	MOUNTAIN CITY 2, TN	3629N	8148W	2,510	1	1956-2001	
406340	MOUNT PLEASANT 1 N, TN	3533N	8712W	778	3	1953-2001	
406371	MURFREESBORO 5 N, TN	3555N	8623W	550	3	1948-2001	
406402	NASHVILLE INTL AP, TN	3607N	8641W	580	3	1948-2001	BNA
406534	NEWPORT 1 NW, TN	3559N	8312W	1,036	1	1927-2001	
406619	NORRIS, TN	3613N	8404W	1,110	1	1948-2001	
406750	OAK RIDGE ATDD, TN	3601N	8414W	905	1	1948-2001	
406829	ONEIDA, TN	3630N	8432W	1,440	2	1952-2001	
406977	PARIS 2 SE, TN	3617N	8818W	443	4	1948-2001	
407184	PIKEVILLE, TN	3537N	8512W	878	2	1962-2001	
407359	PORTLAND SEWAGE PLANT, TN	3635N	8632W	794	3	1955-2001	
407459	PULASKI WATER PLANT, TN	3511N	8703W	634	3	1957-2001	
407710	RIPLEY, TN	3545N	8932W	335	4	1962-2001	
407834	ROCKWOOD 2, TN	3551N	8442W	860	1	1962-2001	
407884	ROGERSVILLE 1 NE, TN	3625N	8259W	1,355	1	1927-2001	
408065	SAMBURG WILDLIFE REF, TN	3627N	8918W	310	4	1942-2001	
408108	SAVANNAH 6 SW, TN	3509N	8819W	420	3	1927-2001	
408160	SELMER, TN	3510N	8836W	470	4	1948-2001	
408179	SEVIERVILLE 1 SE, TN	3552N	8333W	930	1	1955-2001	
408246	SHELBYVILLE WATER DEPT, TN	3530N	8629W	760	3	1951-2001	
408405	SMITHVILLE 2 SE, TN	3558N	8548W	890	3	1971-2001	

408522	SPARTA, TN	3557N	8529W	1,020	2	1948-2001	
408562	SPRINGFIELD EXP STN, TN	3628N	8651W	745	3	1942-2001	
408868	TAZEWELL, TN	3628N	8334W	1,365	1	1966-2001	
409155	TULLAHOMA, TN	3521N	8613W	1,022	2	1928-2001	
409219	UNION CITY, TN	3624N	8902W	350	4	1930-2001	
409492	WAVERLY, TN	3605N	8750W	540	3	1962-2000	
409502	WAYNESBORO, TN	3518N	8746W	750	3	1927-2001	
409866	WOODBURY 1 WNW, TN	3551N	8605W	750	3	1954-2001	
410016	ABILENE MUNICIPAL AP, TX	3225N	9941W	1,790	2	1948-2001	ABI
410120	ALBANY, TX	3243N	9918W	1,400	3	1901-2001	
410144	ALICE, TX	2744N	9804W	201	9	1911-2001	
410174	ALPINE, TX	3022N	10340W	4,530	5	1900-2001	
410204	ALVIN, TX	2922N	9514W	28	8	1898-2001	
410211	AMARILLO INTL AP, TX	3513N	10142W	3,586	1	1948-2001	AMA
410225	AMISTAD DAM, TX	2928N	10102W	1,157	6	1964-2001	
410235	ANAHUAC, TX	2947N	9440W	24	8	1909-2001	
410248	ANDREWS, TX	3221N	10233W	3,172	4	1914-2001	
410257	ANGLETON 2 W, TX	2909N	9527W	27	8	1913-2001	
410268	ANSON, TX	3246N	9954W	1,710	2	1898-2001	
410305	ARANSAS WILDLIFE REF, TX	2819N	9648W	15	7	1971-2001	
410313	ARCHER CITY, TX	3335N	9838W	1,045	3	1910-2001	
410394	ASPERMONT, TX	3309N	10014W	1,670	2	1911-2001	
410404	ATHENS, TX	3210N	9550W	448	6	1903-2001	
410428	AUSTIN CITY (CAMP MABRY), TX	3018N	9742W	621	7	1930-2001	ATT
410482	BAKERSFIELD, TX	3053N	10218W	2,540	5	1948-2001	
410493	BALLINGER 2 NW, TX	3144N	9959W	1,755	2	1897-2001	
410498	BALMORHEA, TX	3059N	10344W	3,220	5	1923-2001	
410518	BARDWELL DAM, TX	3216N	9638W	461	3	1965-2001	
410569	BAY CITY WATERWORKS, TX	2859N	9559W	52	8	1909-2001	
410586	BAYTOWN, TX	2950N	9500W	34	8	1946-2001	
410613	BEAUMONT RESEARCH CTR, TX	3004N	9417W	27	8	1948-2001	
410639	BEEVILLE 5 NE, TX	2827N	9742W	255	8	1901-2001	
410690	BENAVIDES 2, TX	2736N	9825W	380	9	1962-2001	
410691	BENBROOK DAM, TX	3239N	9727W	790	3	1949-2001	
410779	BIG LAKE 2, TX	3112N	10129W	2,690	6	1963-2001	
410786	BIG SPRING, TX	3214N	10127W	2,500	1	1948-2001	
410832	BLANCO, TX	3006N	9825W	1,370	6	1897-2001	

410902	BOERNE, TX	2948N	9844W	1,444	6	1897-2001	
410923	BONHAM 3 NNE, TX	3338N	9610W	600	3	1903-2001	
410950	BOQUILLAS RANGER STN, TX	2911N	10258W	1,880	5	1910-2001	
410958	BORGER, TX	3539N	10127W	3,140	1	1949-2001	
410984	BOWIE, TX	3333N	9751W	1,080	3	1897-2001	
411000	BOYS RANCH, TX	3532N	10215W	3,191	1	1964-2001	
411007	BRACKETTVILLE, TX	2919N	10025W	1,118	7	1897-2001	
411017	BRADY, TX	3107N	9920W	1,720	6	1897-2001	
411033	BRAVO, TX	3537N	10300W	4,160	1	1948-2001	
411042	BRECKENRIDGE, TX	3245N	9854W	1,170	3	1898-2001	
411048	BRENHAM, TX	3010N	9624W	313	7	1902-2001	
411063	BRIDGEPORT, TX	3312N	9746W	745	3	1915-2001	
411128	BROWNFIELD 2, TX	3311N	10216W	3,300	1	1953-2001	
411136	BROWNSVILLE AP, TX	2554N	9726W	19	10	1898-2001	BRO
411138	BROWNWOOD, TX	3141N	9858W	1,385	5	1947-2001	
411250	BURNET, TX	3045N	9814W	1,275	6	1896-2001	
411348	CAMERON, TX	3051N	9658W	364	3	1908-2001	
411398	CAMP WOOD, TX	2941N	10001W	1,470	7	1944-2001	
411412	CANADIAN, TX	3555N	10023W	2,300	1	1906-2001	
411416	CANDELARIA, TX	3008N	10441W	2,875	5	1948-2001	
411429	CANYON DAM, TX	2952N	9812W	1,000	7	1961-2001	
411430	CANYON, TX	3459N	10156W	3,590	1	1923-2001	
411486	CARRIZO SPRINGS, TX	2829N	9952W	613	9	1912-2001	
411492	CARTA VALLEY 4 W, TX	2948N	10044W	1,780	6	1963-2000	
411500	CARTHAGE, TX	3208N	9421W	340	4	1908-2001	
411524	CASTOLON, TX	2908N	10331W	2,169	5	1947-2001	
411528	CATARINA, TX	2820N	9938W	560	9	1959-2001	
411578	CENTER, TX	3148N	9410W	325	4	1922-2001	
411596	CENTERVILLE, TX	3115N	9558W	320	5	1937-2001	
411649	CHANNING 2, TX	3541N	10220W	3,790	1	1967-2001	
411651	CHAPMAN RANCH, TX	2735N	9727W	25	7	1959-2001	
411663	CHARLOTTE 5 NNW, TX	2856N	9845W	441	9	1962-2001	
411698	CHILDRESS MUNICIPAL AP, TX	3426N	10017W	1,951	2	1948-2001	CDS
411715	CHISOS BASIN, TX	2916N	10318W	5,300	5	1947-2001	
411761	CLARENDON, TX	3456N	10053W	2,700	2	1904-2001	E34
411772	CLARKSVILLE 2 NE, TX	3337N	9504W	435	4	1903-2001	
411778	CLAUDE, TX	3507N	10122W	3,396	1	1904-2001	

411800	CLEBURNE, TX	3220N	9724W	783	3	1907-2001	
411810	CLEVELAND, TX	3022N	9506W	196	8	1954-2001	
411870	COLDSRING 5 SSW, TX	3032N	9509W	355	4	1954-2001	
411875	COLEMAN, TX	3149N	9925W	1,727	2	1896-2001	
411889	COLLEGE STATION ETRWD AP, TX	3035N	9622W	314	4	1951-2001	CLL
411903	COLORADO CITY, TX	3223N	10054W	2,105	2	1898-2001	
411911	COLUMBUS, TX	2943N	9632W	199	7	1915-2001	
411956	CONROE, TX	3020N	9529W	245	8	1948-2001	
411974	COPE RANCH, TX	3132N	10117W	2,570	6	1948-2001	
412012	CORNUDAS SERVICE STN, TX	3147N	10528W	4,480	5	1948-2001	
412015	CORPUS CHRISTI INTL AP, TX	2746N	9731W	41	7	1948-2001	CRP
412019	CORSICANA, TX	3206N	9628W	413	5	1897-2001	CSAT
412082	CRANE 2 E, TX	3124N	10219W	2,630	5	1928-2001	
412114	CROCKETT, TX	3118N	9527W	347	6	1904-2001	
412121	CROSBYTON, TX	3339N	10115W	3,010	1	1897-2001	
412160	CRYSTAL CITY, TX	2841N	9950W	580	9	1948-2001	
412173	CUERO, TX	2905N	9719W	178	8	1901-2001	
412225	DAINGERFIELD 9 S, TX	3255N	9443W	300	4	1948-2001	
412240	DALHART MUNICIPAL AP, TX	3601N	10233W	3,990	1	1948-2001	DHT
412244	DALLAS LOVE AP, TX	3251N	9651W	440	3	1897-2001	DAL
412266	DANEVANG 1 W, TX	2903N	9614W	70	8	1897-2001	
412360	DEL RIO INTL AP, TX	2923N	10056W	999	6	1951-2001	DRT
412404	DENTON 2 SE, TX	3312N	9706W	630	3	1913-2001	
412458	DILLEY, TX	2841N	9911W	550	9	1910-2001	
412464	DIMMITT 2 N, TX	3436N	10219W	3,850	1	1959-2001	
412598	DUBLIN, TX	3206N	9820W	1,502	3	1897-2001	
412617	DUMAS, TX	3552N	10158W	3,655	1	1937-2001	
412679	EAGLE PASS, TX	2843N	10029W	808	9	1897-2001	EGP
412715	EASTLAND, TX	3224N	9849W	1,433	5	1904-2001	
412797	EL PASO INTL AP, TX	3149N	10623W	3,918	5	1948-2001	ELP
412820	ELGIN, TX	3021N	9722W	579	7	1962-2001	
412902	EMORY, TX	3252N	9546W	435	4	1897-2001	
412906	ENCINAL, TX	2803N	9926W	590	9	1907-2001	
413005	EVANT 1 SSW, TX	3128N	9810W	1,245	5	1941-2001	
413047	FAIRFIELD 3 W, TX	3144N	9612W	432	4	1941-2001	
413060	FALCON DAM, TX	2633N	9908W	320	9	1962-2001	
413063	FALFURRIAS, TX	2713N	9808W	120	9	1907-2001	

413133	FERRIS, TX	3231N	9640W	470	5	1940-2001	
413183	FLATONIA, TX	2940N	9707W	520	7	1908-2001	
413201	FLORESVILLE, TX	2908N	9810W	400	7	1916-2001	
413214	FLOYDADA, TX	3358N	10120W	3,219	1	1911-2001	
413225	FOLLETT, TX	3626N	10008W	2,769	1	1930-2001	
413262	FORT DAVIS, TX	3040N	10353W	4,880	5	1902-2001	
413266	FORT HANCOCK 8 SSE, TX	3111N	10544W	3,905	5	1966-2001	
413280	FORT STOCKTON, TX	3054N	10255W	3,000	5	1940-2001	
413299	FOWLERTON, TX	2828N	9849W	320	9	1913-2001	
413321	FRANKLIN, TX	3102N	9629W	469	4	1962-2001	
413329	FREDERICKSBURG, TX	3014N	9855W	1,685	7	1896-2001	
413340	FREEPORT 2 NW, TX	2859N	9523W	8	8	1931-2001	
413341	FREER, TX	2754N	9837W	510	9	1947-2001	
413368	FRIONA, TX	3439N	10243W	4,010	1	1927-2001	
413411	GAIL, TX	3246N	10128W	2,530	2	1897-2001	
413430	GALVESTON, TX	2920N	9447W	10	8	1897-2001	GLS
413445	GARDEN CITY 1 E, TX	3152N	10130W	2,640	4	1912-2001	
413485	GATESVILLE 4 SSE, TX	3123N	9743W	760	3	1900-2001	
413546	GILMER 4 WNW, TX	3245N	9503W	390	4	1929-2001	
413591	GLEN ROSE 2 W, TX	3214N	9747W	655	3	1963-2000	
413614	GOLDTHWAITE 1 WSW, TX	3127N	9835W	1,500	3	1923-2001	
413618	GOLIAD, TX	2840N	9724W	142	7	1912-2001	
413622	GONZALES 1 N, TX	2932N	9727W	380	7	1915-2001	
413668	GRAHAM, TX	3306N	9835W	1,050	3	1897-2001	
413680	GRANDFALLS 3 SSE, TX	3118N	10250W	2,440	5	1909-2001	
413691	GRAPEVINE DAM, TX	3257N	9703W	585	3	1897-2001	
413734	GREENVILLE KGV L RADIO, TX	3310N	9606W	545	3	1900-2001	
413778	GROVETON, TX	3104N	9508W	350	4	1923-2001	
413787	GRUVER, TX	3615N	10124W	3,170	1	1941-2001	
413828	GUTHRIE, TX	3337N	10019W	1,740	2	1947-2001	
413873	HALLETTSVILLE 2 N, TX	2928N	9657W	275	8	1897-2001	
413884	HAMILTON 1 NW, TX	3143N	9809W	1,260	5	1915-2001	
413943	HARLINGEN, TX	2612N	9740W	38	10	1911-2001	
413992	HASKELL, TX	3309N	9945W	1,600	2	1897-2001	
414058	HEBBRONVILLE, TX	2719N	9841W	580	9	1905-2001	
414081	HENDERSON, TX	3211N	9448W	420	4	1908-2001	
414093	HENRIETTA, TX	3349N	9812W	930	3	1897-2001	

414098	HEREFORD, TX	3449N	10224W	3,820	1	1905-2001	
414137	HICO, TX	3159N	9802W	1,025	5	1910-2001	
414182	HILLSBORO, TX	3201N	9707W	550	5	1903-2001	
414278	HORDS CREEK DAM, TX	3151N	9934W	1,942	2	1953-2001	
414300	HOUSTON BUSH INTL AP, TX	3000N	9522W	95	8	1969-2001	IAH
414307	HOUSTON HOBBY AP, TX	2939N	9517W	44	8	1941-2001	HOU
414382	HUNTSVILLE, TX	3043N	9533W	494	6	1946-2001	
414517	JACKSBORO, TX	3314N	9809W	1,100	3	1941-2001	
414525	JACKSONVILLE, TX	3158N	9516W	560	4	1953-2001	
414570	JAYTON, TX	3315N	10034W	2,010	2	1910-2001	
414577	JEFFERSON, TX	3246N	9420W	199	4	1903-2001	
414605	JOHNSON CITY, TX	3017N	9825W	1,232	6	1964-2001	
414670	JUNCTION 4 SSW, TX	3027N	9948W	1,747	7	1897-2001	
414705	KAUFMAN 3 SE, TX	3234N	9616W	420	3	1900-2001	
414810	KINGSVILLE, TX	2731N	9752W	66	8	1902-2001	
414903	LA GRANGE, TX	2955N	9653W	357	7	1910-2001	
414931	LA TUNA 1 S, TX	3158N	10636W	3,800	5	1943-2001	
414982	LAKE KEMP, TX	3345N	9909W	1,167	2	1962-2001	
415013	LAMESA 1 SSE, TX	3243N	10157W	2,965	1	1910-2001	
415018	LAMPASAS, TX	3104N	9811W	1,032	6	1897-2001	
415048	LANGTRY, TX	2948N	10134W	1,290	6	1897-2001	
415060	LAREDO 2, TX	2734N	9930W	430	9	1946-2001	
415094	LAVON DAM, TX	3302N	9629W	510	3	1949-2001	
415183	LEVELLAND, TX	3334N	10223W	3,550	1	1926-2001	
415193	LEXINGTON, TX	3025N	9701W	465	7	1948-2001	
415196	LIBERTY, TX	3004N	9448W	35	8	1904-2001	
415247	LIPSCOMB, TX	3614N	10016W	2,450	1	1948-2001	
415265	LITTLEFIELD 2 NW, TX	3356N	10221W	3,505	1	1966-2001	
415271	LIVINGSTON 2 NNE, TX	3044N	9456W	178	4	1937-2001	
415272	LLANO, TX	3045N	9839W	1,020	6	1896-2001	
415341	LONGVIEW, TX	3228N	9444W	330	4	1902-2001	
415411	LUBBOCK RGNL AP, TX	3340N	10149W	3,254	1	1911-2001	LBB
415424	LUFKIN ANGELINA CO AP, TX	3114N	9445W	288	4	1906-2001	LFK
415429	LULING, TX	2941N	9739W	400	7	1897-2001	
415477	MADISONVILLE, TX	3057N	9555W	252	5	1918-2001	
415579	MARATHON, TX	3013N	10314W	4,055	5	1897-2001	
415596	MARFA # 2, TX	3018N	10401W	4,760	5	1958-2001	



415611	MARLIN 3 NE, TX	3120N	9651W	388	5	1902-2001	
415618	MARSHALL, TX	3232N	9421W	352	4	1908-2001	
415650	MASON, TX	3045N	9914W	1,430	6	1941-2001	
415658	MATADOR, TX	3401N	10050W	2,290	2	1947-2001	
415659	MATAGORDA 2, TX	2841N	9558W	10	8	1910-2001	
415661	MATHIS 4 SSW, TX	2802N	9752W	138	9	1964-2001	
415701	MCALLEN, TX	2612N	9815W	100	10	1941-2001	
415702	MCALLEN MILLER INTL AP, TX	2611N	9814W	100	10	1961-2001	MFE
415707	MCCAMEY, TX	3108N	10212W	2,450	6	1932-2001	
415721	MC COOK, TX	2629N	9823W	220	10	1941-2001	
415742	MEDINA 2 W, TX	2947N	9917W	1,705	6	1966-2000	
415757	MCGREGOR, TX	3126N	9724W	723	3	1910-2001	
415766	MC KINNEY 3 S, TX	3310N	9637W	595	3	1903-2001	
415770	MC LEAN, TX	3514N	10036W	2,860	1	1948-2001	
415821	MEMPHIS, TX	3444N	10032W	2,090	2	1905-2001	
415822	MENARD, TX	3055N	9947W	1,951	6	1897-2001	
415869	MEXIA, TX	3141N	9629W	535	3	1904-2001	
415875	MIAMI, TX	3542N	10038W	2,755	1	1905-2001	
415890	MIDLAND INTL AP, TX	3157N	10211W	2,862	1	1948-2001	MAF
415891	MIDLAND 4 ENE, TX	3201N	10202W	2,740	4	1947-2001	
415956	MINEOLA 8 ENE, TX	3243N	9522W	385	4	1966-2000	
415958	MINERAL WELLS AP, TX	3247N	9804W	930	3	1948-2000	MWL
415999	MONAHANS, TX	3135N	10253W	2,660	5	1959-2001	
416074	MORTON, TX	3343N	10246W	3,760	1	1935-2001	
416104	MOUNT LOCKE, TX	3040N	10431W	6,790	5	1935-2001	
416108	MOUNT PLEASANT, TX	3310N	9500W	425	4	1905-2001	
416119	MOUNT VERNON, TX	3312N	9513W	480	4	1966-2001	
416135	MULESHOE 1, TX	3414N	10244W	3,825	1	1921-2001	
416146	MUNDAY, TX	3327N	9937W	1,480	2	1912-2001	
416210	NAVARRO MILLS DAM, TX	3157N	9642W	454	3	1963-2001	
416276	NEW BRAUNFELS, TX	2944N	9807W	710	7	1897-2001	
416368	NIXON, TX	2916N	9745W	400	7	1921-2001	
416636	OLNEY, TX	3322N	9846W	1,195	3	1956-2001	
416644	OLTON, TX	3411N	10208W	3,610	1	1928-2001	
416734	OZONA 1 SSW, TX	3041N	10112W	2,340	6	1948-2001	
416740	PADUCAH, TX	3401N	10018W	1,900	2	1946-2001	
416747	PAINT ROCK, TX	3130N	9955W	1,625	6	1918-2001	

416750	PALACIOS MUNICIPAL AP, TX	2844N	9615W	12	8	1943-2001	PSX
416757	PALESTINE 2 NE, TX	3147N	9536W	465	4	1930-2001	
416776	PAMPA 2, TX	3534N	10058W	3,150	1	1964-2001	
416780	PANDALE 1 N, TX	3010N	10133W	1,689	7	1909-2001	
416785	PANHANDLE, TX	3525N	10122W	3,532	1	1911-2001	
416792	PANTHER JUNCTION, TX	2920N	10312W	3,740	5	1955-2001	
416794	PARIS, TX	3340N	9534W	542	3	1896-2001	
416879	PEARSALL, TX	2853N	9905W	635	9	1902-2001	
416892	PECOS, TX	3125N	10330W	2,610	5	1904-2000	
416932	PENWELL, TX	3144N	10235W	2,940	5	1955-2001	
416950	PERRYTON, TX	3623N	10049W	2,942	1	1907-2001	
416959	PERSIMMON GAP, TX	2940N	10310W	2,865	5	1952-2001	
417020	PIERCE 1 E, TX	2914N	9611W	105	8	1904-2001	
417028	PILOT POINT, TX	3323N	9658W	690	3	1947-2001	
417074	PLAINS, TX	3311N	10250W	3,675	1	1925-2001	
417079	PLAINVIEW, TX	3411N	10142W	3,370	1	1908-2001	
417140	POINT COMFORT, TX	2839N	9633W	20	8	1957-2001	
417174	PORT ARTHUR AP BEAUMONT, TX	2957N	9401W	16	8	1947-2001	BPT
417179	PORT ISABEL, TX	2604N	9713W	17	10	1897-2001	
417184	PORT MANSFIELD, TX	2633N	9726W	9	10	1958-2001	
417186	PORT O CONNOR, TX	2826N	9626W	5	8	1948-2001	
417206	POST, TX	3311N	10123W	2,620	2	1910-2001	
417215	POTEET, TX	2902N	9835W	480	9	1941-2001	
417232	PRADE RANCH, TX	2955N	9946W	2,052	6	1955-2001	
417262	PRESIDIO, TX	2933N	10421W	2,560	5	1927-2001	
417300	PROCTOR RESERVOIR, TX	3158N	9830W	1,221	3	1963-2001	
417327	PUTNAM, TX	3222N	9911W	1,591	3	1911-2001	
417336	QUANAH 5 SE, TX	3415N	9941W	1,495	2	1904-2001	
417458	RAYMONDVILLE, TX	2629N	9749W	31	10	1910-2001	
417481	RED BLUFF DAM, TX	3154N	10356W	2,800	5	1939-2000	
417497	RED ROCK, TX	2958N	9727W	520	7	1965-2000	
417622	RIO GRANDE CITY 1 SE, TX	2623N	9849W	172	9	1897-2001	
417633	RISING STAR 1 S, TX	3205N	9858W	1,633	5	1942-2001	
417669	ROBERT LEE, TX	3154N	10029W	1,780	6	1908-2001	
417677	ROBSTOWN, TX	2747N	9740W	85	7	1922-2001	
417704	ROCKPORT, TX	2802N	9703W	9	7	1959-2001	
417706	ROCKSPRINGS, TX	3001N	10013W	2,400	7	1932-2001	

417743	ROSCOE, TX	3227N	10032W	2,380	2	1935-2001	
417782	ROTAN, TX	3251N	10028W	1,935	2	1924-2001	
417841	RUSK, TX	3149N	9509W	720	6	1942-2001	
417936	SAM RAYBURN DAM, TX	3104N	9406W	189	4	1968-2001	
417943	SAN ANGELO MATHIS AP, TX	3121N	10030W	1,916	6	1946-2001	SJT
417945	SAN ANTONIO INTL AP, TX	2932N	9828W	809	7	1946-2001	SAT
417983	SAN MARCOS, TX	2952N	9755W	612	7	1896-2001	
417992	SAN SABA, TX	3111N	9843W	1,195	6	1901-2000	
418022	SANDERSON, TX	3009N	10224W	2,855	5	1897-2001	
418160	SEALY, TX	2947N	9608W	194	7	1910-2001	
418201	SEMINOLE, TX	3243N	10233W	3,340	1	1922-2001	
418221	SEYMOUR, TX	3336N	9916W	1,287	2	1905-2001	
418236	SHAMROCK 2, TX	3513N	10015W	2,360	2	1962-2001	
418252	SHEFFIELD, TX	3041N	10150W	2,170	5	1938-2001	
418274	SHERMAN, TX	3342N	9638W	760	3	1897-2001	
418305	SIERRA BLANCA 2 E, TX	3111N	10519W	4,535	5	1897-2001	
418323	SILVERTON, TX	3428N	10118W	3,280	1	1946-2001	
418354	SINTON, TX	2802N	9730W	51	8	1921-2001	
418415	SMITHVILLE, TX	3001N	9709W	340	7	1917-2001	
418433	SNYDER, TX	3243N	10055W	2,335	2	1911-2001	
418446	SOMERVILLE DAM, TX	3020N	9632W	263	7	1963-2001	
418449	SONORA, TX	3035N	10039W	2,138	6	1902-2001	
418523	SPEARMAN, TX	3611N	10111W	3,094	1	1920-2001	
418566	SPUR, TX	3329N	10053W	2,297	2	1911-2001	
418583	STAMFORD 1, TX	3256N	9948W	1,640	2	1911-2001	
418623	STEPHENVILLE 1 N, TX	3215N	9812W	1,309	5	1918-2001	SEP
418630	STERLING CITY, TX	3150N	10059W	2,265	6	1926-2001	
418646	STILLHOUSE HOLLOW DAM, TX	3102N	9732W	706	3	1963-2001	
418692	STRATFORD, TX	3621N	10205W	3,691	1	1911-2001	
418728	SUGAR LAND, TX	2937N	9538W	82	8	1946-2001	
418743	SULPHUR SPRINGS, TX	3309N	9538W	495	4	1897-2001	
418818	TAHOKA, TX	3310N	10148W	3,120	1	1913-2001	
418861	TAYLOR, TX	3034N	9725W	565	5	1929-2001	
418910	TEMPLE, TX	3105N	9719W	635	5	1897-2001	
418942	TEXARKANA, TX	3325N	9405W	390	4	1968-2001	
418996	THOMPSONS 3 WSW, TX	2929N	9538W	72	8	1942-2001	
419031	TILDEN 4 SSE, TX	2825N	9832W	345	9	1903-2001	

419101	TOWN BLUFF DAM, TX	3048N	9411W	214	4	1970-2001	
419163	TRUSCOTT 3 W, TX	3345N	9952W	1,571	2	1948-2001	
419175	TULIA, TX	3432N	10146W	3,470	1	1947-2001	
419191	TURKEY, TX	3424N	10054W	2,330	2	1947-2001	
419295	VAN HORN, TX	3103N	10450W	3,955	5	1939-2001	
419346	VERNON, TX	3409N	9920W	1,227	2	1904-2001	
419364	VICTORIA RGNL AP, TX	2852N	9656W	115	8	1961-2001	VCT
419417	WACO DAM, TX	3136N	9713W	495	3	1965-2001	
419419	WACO RGNL AP, TX	3137N	9714W	500	3	1930-2001	ACT
419491	WASHINGTON STATE PARK, TX	3020N	9609W	215	7	1915-2001	
419499	WATER VALLEY, TX	3140N	10044W	2,120	6	1898-2001	
419522	WAXAHACHIE, TX	3225N	9651W	630	5	1897-2001	
419532	WEATHERFORD, TX	3245N	9746W	955	3	1902-2001	
419565	WELLINGTON, TX	3450N	10013W	2,040	2	1912-2001	
419588	WESLACO 2 E, TX	2609N	9758W	75	10	1947-2001	
419715	WHITNEY DAM, TX	3151N	9722W	574	3	1949-2001	
419729	WICHITA FALLS SHEPPRD AP, TX	3359N	9830W	1,030	2	1897-2001	SPS
419800	WILLS POINT, TX	3242N	9601W	522	4	1905-2001	
419830	WINK WINKLER CO AP, TX	3147N	10312W	2,807	5	1938-2001	INK
419847	WINTERS 1 NNE, TX	3158N	9958W	1,862	2	1968-2001	
419952	YOAKUM, TX	2916N	9707W	325	8	1917-2001	
419966	YSLETA, TX	3142N	10619W	3,670	5	1939-2001	
419976	ZAPATA 3 SW, TX	2653N	9918W	320	9	1909-2001	
420050	ALLEN'S RANCH, UT	4054N	10909W	5,490	5	1962-2001	
420061	ALPINE, UT	4027N	11146W	5,070	3	1948-2001	
420072	ALTA, UT	4036N	11138W	8,730	5	1948-2001	
420074	ALTAMONT, UT	4021N	11017W	6,370	6	1953-2001	
420086	ALTON, UT	3726N	11229W	7,040	4	1928-2001	
420157	ANETH PLANT, UT	3715N	10920W	4,576	7	1959-2001	
420730	BLACK ROCK, UT	3843N	11257W	4,895	1	1951-2001	
420738	BLANDING, UT	3737N	10929W	6,040	7	1904-2001	4BL
420757	BLOWHARD MTN RADAR, UT	3736N	11252W	10,694	4	1964-2001	
420788	BLUFF, UT	3717N	10934W	4,355	7	1928-2001	
420849	BOULDER, UT	3754N	11125W	6,680	4	1954-2001	
421008	BRYCE CANYON NATL PK HDQ, UT	3738N	11210W	7,915	4	1959-2001	
421020	BULLFROG BASIN, UT	3732N	11043W	3,822	7	1967-2001	U17
421144	CALLAO, UT	3954N	11343W	4,330	1	1948-2001	

421163	CANYONLANDS THE NECK, UT	3827N	10949W	5,930	7	1965-2001	
421168	CANYONLANDS THE NEEDLE, UT	3809N	10947W	4,998	7	1965-2001	
421171	CAPITOL REEF NATL PARK, UT	3818N	11116W	5,500	7	1967-2001	
421214	CASTLE DALE, UT	3912N	11101W	5,620	7	1928-2001	
421267	CEDAR CITY AP, UT	3742N	11306W	5,587	4	1948-2001	CDC
421308	CEDAR POINT, UT	3743N	10905W	6,760	7	1957-2001	
421432	CIRCLEVILLE, UT	3810N	11217W	6,050	4	1948-2001	
421588	COALVILLE, UT	4055N	11124W	5,550	5	1948-2001	
421759	COTTONWOOD WEIR, UT	4037N	11147W	4,960	3	1948-2001	
422057	DEER CREEK DAM, UT	4024N	11132W	5,270	5	1948-2001	
422090	DELTA, UT	3920N	11236W	4,623	1	1938-2001	U24
422101	DESERET, UT	3917N	11239W	4,590	1	1928-2001	
422150	DEWEY, UT	3849N	10918W	4,120	7	1967-2001	
422173	DINOSAUR NM QUARRY AREA, UT	4026N	10918W	4,770	6	1958-2001	
422253	DUCHESNE, UT	4010N	11024W	5,520	6	1906-2001	
422257	DUGWAY, UT	4011N	11255W	4,340	1	1950-2001	
422385	ECHO DAM, UT	4058N	11126W	5,470	5	1948-2001	
422561	ENTERPRISE BERYL JCT, UT	3746N	11339W	5,150	1	1948-2001	
422578	EPHRAIM SORENSSENS FLD, UT	3922N	11135W	5,510	4	1949-2001	
422592	ESCALANTE, UT	3746N	11136W	5,810	4	1901-2001	
422607	ESKDALE, UT	3907N	11357W	4,980	1	1966-2001	
422696	FAIRFIELD, UT	4016N	11205W	4,880	3	1950-2001	
422726	FARMINGTON COURTHOUSE, UT	4059N	11153W	4,390	3	1948-2001	
422798	FERRON, UT	3905N	11108W	5,930	7	1948-2001	
422828	FILLMORE, UT	3858N	11220W	5,120	4	1928-2001	
422852	FISH SPRINGS REFUGE, UT	3950N	11324W	4,335	1	1960-2001	
422864	FLAMING GORGE, UT	4056N	10925W	6,270	5	1957-2001	
422996	FORT DUCHESNE, UT	4017N	10952W	5,050	6	1928-2001	
423097	GARFIELD, UT	4043N	11212W	4,330	3	1950-2001	
423418	GREEN RIVER AVIATION, UT	3859N	11009W	4,070	7	1948-2001	
423486	GROUSE CREEK, UT	4143N	11353W	5,320	1	1959-2001	
423611	HANKSVILLE, UT	3822N	11043W	4,308	7	1948-2001	4HV
423809	HEBER, UT	4030N	11125W	5,630	5	1928-2001	
424100	HOVENWEEP NM, UT	3723N	10905W	5,240	7	1957-2001	
424174	IBAPAH, UT	4002N	11359W	5,280	1	1948-2001	
424342	JENSEN, UT	4022N	10921W	4,750	6	1948-2001	
424467	KAMAS, UT	4039N	11117W	6,475	5	1948-2001	

424508	KANAB, UT	3702N	11231W	4,940	4	1948-2001	
424527	KANOSH, UT	3848N	11226W	4,990	4	1928-2001	
424764	KOOSHAREM, UT	3831N	11153W	6,930	4	1948-2001	
424856	LAKETOWN, UT	4150N	11119W	5,980	5	1948-2001	
424968	LA VERKIN, UT	3712N	11316W	3,220	2	1950-2001	
425065	LEVAN, UT	3933N	11152W	5,290	4	1928-2001	
425182	LOGAN RADIO KVNU, UT	4144N	11151W	4,470	3	1956-2001	
425186	LOGAN UTAH STATE UNIV, UT	4145N	11148W	4,790	3	1928-2001	
425194	LOGAN 5 SW EXP FARM, UT	4140N	11153W	4,490	3	1969-2001	
425377	MANILA, UT	4059N	10944W	6,440	5	1952-2001	
425402	MANTI, UT	3915N	11138W	5,740	4	1928-2001	
425477	MARYSVALE, UT	3827N	11214W	5,910	4	1948-2001	
425582	MEXICAN HAT, UT	3709N	10952W	4,130	7	1948-2001	
425654	MILFORD, UT	3824N	11301W	5,010	1	1928-2001	MLF
425733	MOAB, UT	3834N	10933W	4,073	7	1928-2001	
425752	MODENA, UT	3748N	11356W	5,460	1	1948-2001	
425805	MONTICELLO, UT	3752N	10918W	6,820	7	1948-2001	
425826	MORGAN POWER AND LIGHT, UT	4103N	11140W	5,090	5	1948-2001	
425837	MORONI, UT	3932N	11135W	5,560	4	1948-2001	
425892	MOUNTAIN DELL DAM, UT	4045N	11143W	5,420	5	1948-2001	
425969	MYTON, UT	4012N	11004W	5,080	6	1928-2001	
426053	NATURAL BRIDGES NATL MON, UT	3737N	10959W	6,500	7	1965-2001	
426123	NEOLA, UT	4025N	11003W	5,950	6	1956-2001	
426135	NEPHI, UT	3943N	11150W	5,125	4	1941-2001	
426181	NEW HARMONY, UT	3729N	11319W	5,265	4	1948-2001	
426357	OAK CITY, UT	3923N	11220W	5,070	4	1928-2001	
426404	OGDEN PIONEER P H, UT	4115N	11157W	4,350	3	1948-2001	
426414	OGDEN SUGAR FACTORY, UT	4114N	11202W	4,280	3	1928-2001	
426534	ORDERVILLE, UT	3716N	11238W	5,460	4	1928-2001	
426568	OURAY 4 NE, UT	4008N	10939W	4,670	6	1955-2001	
426601	PANGUITCH, UT	3749N	11226W	6,610	4	1948-2001	
426686	PAROWAN POWER PLANT, UT	3750N	11250W	6,000	4	1948-2001	
426708	PARTOUN, UT	3938N	11353W	4,780	5	1950-2001	
426869	PINE VIEW DAM, UT	4115N	11150W	4,940	5	1948-2001	
426919	PLEASANT GROVE, UT	4022N	11143W	4,760	3	1948-2001	
427260	RICHFIELD RADIO K SVC, UT	3846N	11205W	5,300	4	1928-2001	
427271	RICHMOND, UT	4154N	11149W	4,680	3	1928-2001	

427395	ROOSEVELT RADIO, UT	4017N	10958W	5,050	6	1948-2001	U66
427516	ST GEORGE, UT	3706N	11334W	2,770	2	1928-2001	
427598	SALT LAKE CITY INTL AP, UT	4047N	11158W	4,225	3	1948-2001	SLC
427686	SANTAQUIN CHLORINATOR, UT	3957N	11147W	5,160	3	1948-2001	
427714	SCPIO, UT	3915N	11206W	5,315	4	1928-2001	
427846	SILVER LAKE BRIGHTON, UT	4036N	11135W	8,740	5	1948-2001	
427909	SNAKE CREEK POWERHOUSE, UT	4033N	11130W	6,010	5	1928-2001	
427959	SOLDIER SUMMIT, UT	3956N	11105W	7,470	5	1948-2001	
428119	SPANISH FORK PWR HOUSE, UT	4005N	11136W	4,720	3	1928-2001	
428668	THIOKOL PLANT 78, UT	4143N	11226W	4,600	3	1962-2001	
428733	TIMPANOGOS CAVE, UT	4027N	11142W	5,640	3	1948-2001	
428771	TOOELE, UT	4032N	11218W	5,070	3	1919-2001	
428828	TRENTON, UT	4155N	11155W	4,455	3	1948-2001	
428973	UTAH LAKE LEHI, UT	4022N	11154W	4,497	3	1928-2001	
429111	VERNAL AP, UT	4026N	10931W	5,260	6	1928-2001	VEL
429133	VERNON, UT	4005N	11227W	5,485	3	1953-2001	
429136	VEYO POWERHOUSE, UT	3721N	11340W	4,600	2	1957-2001	
429152	WAH WAH RANCH, UT	3829N	11326W	4,880	1	1955-2001	
429165	WANSHIP DAM, UT	4047N	11124W	5,940	5	1955-2001	
429382	WENDOVER, UT	4043N	11402W	4,237	1	1924-2001	ENV
429595	WOODRUFF, UT	4132N	11109W	6,315	5	1948-2001	
430277	BALL MOUNTAIN LAKE, VT	4307N	7248W	1,130	3	1969-2001	
431081	BURLINGTON INTL AP, VT	4428N	7309W	330	2	1920-2001	BTV
431243	CAVENDISH, VT	4323N	7236W	800	3	1948-2001	
431360	CHELSEA, VT	4359N	7227W	800	1	1948-2000	
431580	CORNWALL, VT	4358N	7314W	400	2	1926-2001	
432769	ENOSBURG FALLS, VT	4452N	7249W	420	1	1948-2001	
432843	ESSEX JUNCTION 1 N, VT	4431N	7307W	340	2	1971-2001	
435278	MONTPELIER AP, VT	4412N	7235W	1,126	1	1948-2001	MPV
435376	MORRISVILLE 4 SSW, VT	4431N	7238W	760	1	1962-2001	MVL
435416	MOUNT MANSFIELD, VT	4432N	7249W	3,950	1	1954-2001	
435542	NEWPORT, VT	4456N	7212W	770	1	1930-2001	
436893	ROCHESTER, VT	4352N	7248W	830	1	1948-2001	
436995	RUTLAND, VT	4337N	7258W	620	2	1948-2001	
437054	SAINT JOHNSBURY, VT	4425N	7201W	699	1	1926-2001	1V4
437098	SALISBURY 2 N, VT	4356N	7306W	420	2	1948-2001	
437607	SOUTH HERO, VT	4438N	7318W	110	2	1969-2001	

439984	WOODSTOCK, VT	4337N	7227W	600	3	1948-2001	
440021	ABINGDON 3 S, VA	3640N	8158W	1,920	6	1969-2001	
440187	AMELIA 4 SW, VA	3719N	7804W	360	2	1970-2001	
440243	APPOMATTOX, VA	3721N	7850W	910	3	1948-2001	
440327	ASHLAND, VA	3745N	7729W	220	2	1948-2001	
440385	BACK BAY WILDLIFE REFUGE, VA	3640N	7555W	10	1	1953-2001	
440551	BEDFORD, VA	3721N	7931W	975	3	1948-2001	
440720	BIG MEADOWS, VA	3832N	7826W	3,540	4	1948-2001	
440766	BLACKSBURG, VA	3712N	8025W	2,100	6	1952-2001	RNK
440993	BREMO BLUFF, VA	3743N	7817W	225	2	1948-2001	
441082	BROOKNEAL, VA	3704N	7857W	428	3	1950-2001	
441121	BUCHANAN, VA	3732N	7941W	880	5	1930-2001	
441159	BUENA VISTA, VA	3744N	7921W	840	5	1948-2001	
441209	BURKES GARDEN, VA	3706N	8120W	3,300	6	1948-2001	
441585	CHARLOTTE COURT HOUSE, VA	3704N	7842W	590	3	1948-2001	
441593	CHARLOTTESVILLE 2 W, VA	3802N	7831W	870	3	1948-2001	
441606	CHASE CITY, VA	3648N	7828W	510	2	1949-2001	
441614	CHATHAM, VA	3649N	7925W	640	3	1930-2001	
441913	COLONIAL BEACH, VA	3815N	7658W	10	1	1963-2001	
442009	CORBIN, VA	3812N	7722W	220	2	1959-2001	
442044	COVINGTON FILTER PLANT, VA	3749N	7959W	1,230	5	1960-2001	
442208	DALE ENTERPRISE, VA	3827N	7856W	1,400	5	1948-2001	
442245	DANVILLE, VA	3635N	7923W	410	3	1948-2001	
442941	FARMVILLE 2 N, VA	3720N	7823W	450	2	1914-2001	
443071	FLOYD 2 NE, VA	3656N	8017W	2,625	6	1948-2001	
443267	GALAX RADIO WBRE, VA	3640N	8055W	2,385	6	1948-2001	
443640	GRUNDY, VA	3717N	8205W	1,170	6	1948-2001	
444044	HOLLAND 1 E, VA	3641N	7646W	80	1	1948-2001	
444101	HOPEWELL, VA	3718N	7717W	40	1	1930-2001	
444128	HOT SPRINGS, VA	3800N	7950W	2,236	5	1948-2001	
444414	JOHN H KERR DAM, VA	3636N	7817W	250	2	1951-2001	
444720	LANGLEY AIR FORCE BASE, VA	3705N	7621W	10	1	1930-2001	LFI
444768	LAWRENCEVILLE 3 E, VA	3646N	7747W	325	2	1948-2001	
444876	LEXINGTON, VA	3748N	7925W	1,125	5	1948-2001	
444909	LINCOLN, VA	3905N	7742W	500	4	1930-2001	
445050	LOUISA, VA	3802N	7800W	420	2	1948-2001	
445096	LURAY 5 E, VA	3840N	7822W	1,400	4	1948-2001	



445120	LYNCHBURG MUNICIPAL AP, VA	3720N	7912W	940	3	1930-2001	LYH
445300	MARTINSVILLE FILTER PLT, VA	3642N	7952W	760	3	1948-2001	
445338	MATHEWS 4 SE, VA	3724N	7616W	5	1	1950-2000	
445851	MOUNT WEATHER, VA	3904N	7753W	1,720	4	1948-2001	
446139	NORFOLK INTL AP, VA	3654N	7612W	30	1	1948-2001	ORF
446475	PAINTER 2 W, VA	3735N	7549W	30	1	1955-2001	
446626	PENNINGTON GAP, VA	3644N	8300W	1,470	6	1931-2001	
446692	PHILPOTT DAM 2, VA	3647N	8002W	1,123	3	1953-2001	
446712	PIEDMONT RESEARCH STN, VA	3814N	7807W	520	4	1948-2001	
446955	PULASKI, VA	3703N	8047W	1,850	6	1948-2001	
447201	RICHMOND BYRD INTL AP, VA	3731N	7719W	164	2	1948-2001	RIC
447285	ROANOKE WOODRUM AP, VA	3719N	7958W	1,149	5	1948-2001	ROA
447338	ROCKY MOUNT, VA	3659N	7954W	1,315	3	1948-2001	
447506	SALTVILLE 1 N, VA	3653N	8146W	1,733	6	1927-2001	
448022	STAFFORDSVILLE 3 ENE, VA	3716N	8043W	1,950	6	1951-2001	
448062	STAUNTON SEWAGE PLANT, VA	3811N	7905W	1,640	5	1948-2001	
448129	STONY CREEK 1 E, VA	3657N	7724W	70	1	1948-2001	
448170	STUART, VA	3638N	8015W	1,375	3	1960-2001	
448192	SUFFOLK LAKE KILBY, VA	3644N	7636W	22	1	1948-2001	
448323	TANGIER ISLAND, VA	3750N	7600W	5	1	1952-2001	
448600	TYE RIVER 1 SE, VA	3738N	7856W	720	3	1948-2001	
448737	VIENNA, VA	3854N	7716W	418	4	1948-2001	
448829	WALKERTON 2 NW, VA	3745N	7703W	50	1	1932-2001	
448888	WARRENTON 3 SE, VA	3841N	7746W	500	4	1951-2001	
448894	WARSAW 2 NW, VA	3759N	7647W	140	1	1951-2001	
448903	WASHINGTON DULLES INTL, VA	3856N	7729W	290	4	1962-2001	IAD
448906	WASHINGTON REAGAN NTL AP, VA	3852N	7702W	10	4	1948-2001	DCA
449025	WEST POINT 2 NW, VA	3734N	7648W	20	1	1954-2001	
449151	WILLIAMSBURG 2 N, VA	3718N	7642W	70	1	1948-2001	
449186	WINCHESTER 7 SE, VA	3911N	7807W	680	4	1948-2001	
449215	WISE 3 E, VA	3700N	8232W	2,549	6	1955-2001	
449263	WOODSTOCK 2 NE, VA	3854N	7828W	680	4	1930-2001	
449301	WYTHEVILLE 1 S, VA	3656N	8106W	2,450	6	1930-2001	
450008	ABERDEEN, WA	4658N	12350W	10	1	1931-2001	
450013	ABERDEEN 20 NNE, WA	4716N	12342W	435	1	1931-2001	
450176	ANACORTES, WA	4831N	12237W	20	2	1931-2001	
450217	APPLETON, WA	4549N	12117W	2,336	6	1959-2001	

450456	BARING, WA	4746N	12129W	760	4	1970-2001	
450482	BATTLE GROUND, WA	4547N	12232W	284	4	1948-2001	
450668	BICKLETON, WA	4600N	12018W	3,015	8	1931-2001	
450729	BLAINE, WA	4900N	12245W	60	3	1948-2001	
450844	BOUNDARY DAM, WA	4859N	11722W	1,800	9	1965-2001	
450872	BREMERTON, WA	4734N	12241W	110	3	1948-2001	
450945	BUCKLEY 1 NE, WA	4710N	12200W	685	4	1931-2001	
451233	CEDAR LAKE, WA	4725N	12145W	1,560	5	1931-2001	
451276	CENTRALIA, WA	4643N	12257W	185	3	1931-2001	
451350	CHELAN, WA	4750N	12003W	1,120	7	1890-2001	
451395	CHEWELAH, WA	4817N	11743W	1,670	9	1948-2001	
451400	CHIEF JOSEPH DAM, WA	4800N	11939W	820	7	1949-2001	
451484	CLEARBROOK, WA	4858N	12220W	64	3	1931-2001	
451496	CLEARWATER, WA	4734N	12418W	80	1	1931-2001	
451504	CLE ELUM, WA	4711N	12057W	1,920	6	1931-2001	
451666	CONCONULLY, WA	4833N	11945W	2,320	7	1948-2001	
451679	CONCRETE PPL FISH STN, WA	4832N	12145W	195	4	1931-2001	
451690	CONNELL 1 W, WA	4640N	11853W	1,020	8	1960-2001	
451760	COUGAR 6 E, WA	4604N	12212W	659	5	1953-2001	
451767	COULEE DAM 1 SW, WA	4757N	11900W	1,700	7	1948-2001	
451783	COUPEVILLE 1 S, WA	4812N	12242W	50	2	1948-2001	
451968	DALLESFORT AP, WA	4537N	12110W	235	8	1948-2001	DLS
451992	DARRINGTON RANGER STN, WA	4816N	12136W	550	4	1931-2001	
452007	DAVENPORT, WA	4739N	11809W	2,440	7	1948-2001	
452030	DAYTON 1 WSW, WA	4619N	11800W	1,557	10	1931-2001	
452157	DIABLO DAM, WA	4843N	12108W	891	4	1931-2001	
452505	ELLENSBURG, WA	4658N	12032W	1,480	8	1901-2001	
452531	ELMA, WA	4700N	12324W	70	4	1948-2001	
452548	ELWHA R S, WA	4802N	12335W	360	4	1948-2001	
452614	EPHRATA AP, WA	4718N	11932W	1,259	8	1949-2001	EPH
452675	EVERETT, WA	4759N	12212W	60	3	1948-2001	
452914	FORKS 1 E, WA	4757N	12421W	350	1	1931-2001	
453177	GLENOMA, WA	4631N	12208W	840	4	1966-2001	
453320	GRAYLAND, WA	4648N	12405W	10	1	1948-2001	
453333	GRAYS RIVER HATCHERY, WA	4623N	12334W	100	1	1962-2001	
453515	HARRINGTON 1 NW, WA	4729N	11815W	2,190	7	1961-2001	
453529	HARTLINE, WA	4741N	11907W	1,910	7	1948-2001	

453546	HATTON 9 SE, WA	4643N	11839W	1,510	8	1948-2001	
453730	HOLDEN VILLAGE, WA	4812N	12047W	3,220	6	1962-2001	
453807	HOQUIAM AP, WA	4659N	12356W	12	1	1953-2001	HQM
453883	ICE HARBOR DAM, WA	4615N	11853W	368	8	1957-2001	
454154	KENNEWICK, WA	4613N	11906W	390	8	1948-2001	
454169	KENT, WA	4725N	12215W	30	3	1948-2001	
454338	LACROSSE, WA	4649N	11753W	1,450	10	1931-2001	
454486	LANDSBURG, WA	4723N	12159W	535	4	1931-2001	
454572	LEAVENWORTH 3 S, WA	4733N	12041W	1,128	6	1948-2001	
454679	LIND 3 NE, WA	4700N	11834W	1,630	8	1931-2001	
454748	LONG BEACH EXP STN, WA	4622N	12402W	30	1	1967-2001	
454769	LONGVIEW, WA	4609N	12255W	12	4	1931-2001	
455133	MAZAMA, WA	4836N	12027W	2,170	6	1950-2001	
455224	MC MILLIN RESERVOIR, WA	4708N	12216W	579	3	1941-2001	
455231	MCNARY DAM, WA	4556N	11918W	361	8	1954-2001	
455326	METHOW 2 S, WA	4806N	12001W	1,170	7	1970-2001	
455525	MONROE, WA	4751N	12159W	120	3	1948-2001	
455659	MOUNT ADAMS RANGER STN, WA	4600N	12133W	1,960	6	1948-2001	
455678	MOUNT VERNON 3 WNW, WA	4826N	12223W	14	2	1956-2001	
455688	MOXEE CITY 10 E, WA	4630N	12010W	1,550	8	1948-2001	
455704	MUD MOUNTAIN DAM, WA	4709N	12156W	1,308	4	1939-2001	
455840	NEWHALEM, WA	4841N	12115W	525	4	1959-2001	
455844	NEWPORT, WA	4811N	11703W	2,135	9	1927-2001	
455946	NORTHPORT, WA	4855N	11747W	1,350	9	1920-2001	
456039	ODESSA, WA	4720N	11842W	1,530	7	1948-2001	
456096	OLGA 2 SE, WA	4837N	12248W	80	2	1891-2001	
456114	OLYMPIA AP, WA	4658N	12254W	206	3	1948-2001	OLM
456123	OMAK 4 N, WA	4828N	11931W	1,301	7	1931-2001	OMK
456262	PACKWOOD, WA	4637N	12140W	1,060	4	1948-2001	
456295	PALMER 3 ESE, WA	4718N	12151W	920	4	1931-2001	
456534	PLAIN, WA	4747N	12039W	1,940	6	1948-2001	
456610	POMEROY, WA	4628N	11735W	1,900	10	1948-2001	
456624	PORT ANGELES, WA	4807N	12326W	90	2	1948-2001	
456678	PORT TOWNSEND, WA	4807N	12246W	100	2	1948-2001	
456747	PRIEST RAPIDS DAM, WA	4639N	11955W	460	8	1956-2001	
456768	PROSSER, WA	4612N	11945W	830	8	1931-2001	
456789	PULLMAN 2 NW, WA	4645N	11711W	2,545	10	1940-2001	

456846	QUILCENE 2 SW, WA	4749N	12255W	123	4	1948-2001	
456858	QUILLAYUTE AP, WA	4756N	12434W	179	1	1966-2001	UIL
456880	QUINCY 1 S, WA	4713N	11951W	1,274	8	1941-2001	
456898	RAINIER PARADISE RNGER S, WA	4647N	12145W	5,427	5	1948-2001	
456974	REPUBLIC, WA	4839N	11844W	2,610	9	1948-2001	
457015	RICHLAND, WA	4619N	11916W	373	8	1948-2001	
457059	RITZVILLE 1 SSE, WA	4707N	11823W	1,830	8	1948-2001	
457180	ROSALIA, WA	4714N	11722W	2,400	10	1948-2001	
457185	ROSS DAM, WA	4844N	12104W	1,236	5	1960-2001	
457267	SAINT JOHN, WA	4705N	11736W	1,945	10	1963-2001	
457342	SATUS PASS 2 SSW, WA	4558N	12040W	2,610	6	1968-2001	
457473	SEATTLE TACOMA AP, WA	4728N	12219W	400	3	1931-2001	SEA
457507	SEDRO WOOLLEY, WA	4830N	12214W	60	3	1931-2001	
457696	SKAMANIA FISH HATCHERY, WA	4537N	12213W	440	4	1965-2001	
457727	SMYRNA, WA	4650N	11940W	560	8	1951-2001	
457773	SNOQUALMIE FALLS, WA	4733N	12150W	440	4	1931-2001	
457938	SPOKANE AP, WA	4737N	11732W	2,356	9	1889-2001	GEG
458009	STAMPEDE PASS, WA	4718N	12120W	3,958	5	1944-2001	SMP
458034	STARTUP 1 E, WA	4752N	12143W	170	4	1948-2001	
458059	STEHEKIN 4 NW, WA	4821N	12044W	1,270	6	1931-2001	
458207	SUNNYSIDE, WA	4619N	12001W	747	8	1948-2001	
458500	TOLEDO, WA	4628N	12250W	325	4	1950-2001	TDO
458715	UPPER BAKER DAM, WA	4839N	12142W	690	5	1965-2001	
458773	VANCOUVER 4 NNE, WA	4541N	12239W	210	4	1898-2001	
458959	WAPATO, WA	4626N	12025W	841	8	1948-2001	
459012	WATERVILLE, WA	4739N	12004W	2,620	7	1931-2001	
459058	WELLPINIT, WA	4754N	11800W	2,490	9	1948-2001	
459074	WENATCHEE, WA	4725N	12019W	640	8	1877-2001	
459082	WENATCHEE AP, WA	4724N	12012W	1,229	8	1959-2001	EAT
459200	WHITMAN MISSION, WA	4603N	11828W	632	8	1962-2001	
459238	WILBUR, WA	4745N	11841W	2,230	7	1900-2001	
459376	WINTHROP 1 WSW, WA	4827N	12012W	1,755	6	1931-2001	
459465	YAKIMA MUNICIPAL AP, WA	4634N	12033W	1,064	8	1946-2001	YKM
460355	ATHENS, WV	3725N	8101W	2,565	5	1948-2001	
460509	BARTOW 1 S, WV	3833N	7947W	3,025	4	1948-2001	
460527	BAYARD, WV	3916N	7922W	2,375	4	1926-2001	
460580	BECKLEY VA HOSPITAL, WV	3746N	8112W	2,330	4	1948-2001	

460582	BECKLEY AP, WV	3748N	8107W	2,504	4	1963-2001	BKW
460633	BELINGTON, WV	3902N	7955W	1,800	2	1948-2001	
460921	BLUEFIELD AP, WV	3718N	8112W	2,891	5	1959-2001	BLF
460939	BLUESTONE LAKE, WV	3738N	8053W	1,390	5	1948-2001	
461215	BUCKEYE, WV	3811N	8008W	2,150	4	1952-2001	
461220	BUCKHANNON, WV	3859N	8013W	1,455	2	1948-2001	
461570	CHARLESTON YEAGER AP, WV	3823N	8135W	910	3	1948-2001	CRW
461677	CLARKSBURG 1, WV	3916N	8021W	990	2	1926-2001	
462054	CRESTON, WV	3858N	8116W	650	2	1948-2001	
462522	DUNLOW 1 SW, WV	3757N	8224W	1,200	3	1971-2001	
462718	ELKINS AP, WV	3853N	7951W	1,948	4	1926-2001	EKN
462920	FAIRMONT, WV	3928N	8008W	1,300	2	1926-2001	
463215	FRANKLIN 2 NE, WV	3841N	7919W	1,900	6	1948-2001	
463361	GASSAWAY, WV	3840N	8046W	840	3	1951-2001	
463544	GLENVILLE, WV	3856N	8050W	710	2	1926-2001	
463846	HAMLIN, WV	3817N	8207W	680	3	1948-2001	
464200	HOGSETT R C BYRD DAM, WV	3841N	8211W	570	3	1948-2001	
464393	HUNTINGTON TRI STATE, WV	3822N	8233W	824	3	1961-2001	HTS
464397	HUNTINGTON SEWAGE PLNT, WV	3825N	8231W	520	3	1967-2001	
465224	LEWISBURG 3 N, WV	3751N	8024W	2,303	5	1948-2001	
465353	LOGAN, WV	3752N	8200W	640	3	1948-2001	
465365	LONDON LOCKS, WV	3812N	8122W	620	3	1936-2001	
465563	MADISON 3 NNW, WV	3806N	8151W	710	3	1948-2001	
465672	MARLINTON, WV	3813N	8005W	2,150	4	1926-2001	
465707	MARTINSBURG RGNL AP, WV	3924N	7759W	531	6	1926-2001	MRB
465739	MATHIAS, WV	3852N	7852W	1,540	6	1948-2001	
465963	MIDDLEBOURNE 3 ESE, WV	3928N	8052W	782	2	1948-2001	
466163	MOOREFIELD 1 SSE, WV	3903N	7858W	890	6	1948-2001	
466202	MORGANTOWN HART AP, WV	3939N	7955W	1,240	2	1948-2001	MGW
466212	MORGANTOWN LOCK & DAM, WV	3937N	7958W	825	2	1948-2001	
466248	MOUNDSVILLE, WV	3954N	8045W	620	1	1963-2001	
466442	NEW CUMBERLAND L/D, WV	4032N	8038W	675	1	1948-2001	
466591	OAK HILL, WV	3758N	8109W	1,991	4	1948-2001	
466849	PARKERSBURG AP, WV	3921N	8126W	831	1	1948-2001	PKB
466859	PARKERSBURG, WV	3917N	8133W	620	1	1926-2001	PKB
466867	PARSONS 1 NE, WV	3906N	7940W	1,826	4	1948-2001	
467029	PINEVILLE, WV	3734N	8132W	1,280	5	1941-2001	

467552	RIPLEY, WV	3849N	8143W	590	3	1948-2001	
467730	ROMNEY 1 SW, WV	3920N	7846W	670	6	1948-2001	
467785	ROWLESBURG 1, WV	3920N	7941W	1,423	4	1948-2001	
468051	SENECA STATE FOREST 1N, WV	3820N	7956W	2,450	4	1967-2000	
468384	SPENCER, WV	3848N	8122W	943	3	1926-2001	
468614	SUMMERSVILLE LAKE, WV	3813N	8054W	1,760	4	1967-2001	
468662	SUTTON LAKE, WV	3839N	8042W	835	3	1948-2001	
468777	TERRA ALTA NO 1, WV	3927N	7933W	2,630	4	1948-2001	
469011	UNION 3 SSE, WV	3733N	8032W	2,110	5	1948-2001	
469281	WARDENSVILLE R M FARM, WV	3907N	7835W	960	6	1926-2001	
469323	WAYNE 2, WV	3814N	8227W	600	3	1963-2001	
469368	WELLSBURG WTR TRMT PL., WV	4017N	8037W	660	1	1948-2001	
469436	WESTON, WV	3902N	8028W	925	2	1948-2001	
469458	WEST UNION 2, WV	3917N	8046W	790	2	1971-2001	
469522	WHITE SULPHUR SPRINGS, WV	3747N	8019W	1,920	5	1926-2001	
470124	ALMA DAM 4, WI	4420N	9156W	670	4	1948-2001	
470175	AMERY, WI	4518N	9222W	1,070	1	1948-2001	
470239	ANTIGO, WI	4509N	8907W	1,521	3	1948-2001	
470265	APPLETON, WI	4415N	8822W	750	6	1948-2001	
470273	ARBORETUM UNIV WIS, WI	4303N	8924W	865	8	1971-2001	
470308	ARLINGTON UNIV FARM, WI	4318N	8921W	1,080	8	1962-2001	
470349	ASHLAND EXP FARM, WI	4634N	9058W	650	1	1948-2001	
470516	BARABOO, WI	4327N	8944W	823	7	1948-2001	
470603	BAYFIELD 6 N, WI	4653N	9049W	820	1	1948-2001	
470645	BEAVER DAM, WI	4327N	8851W	840	8	1948-2001	
470696	BELOIT, WI	4230N	8902W	780	8	1948-2001	
470882	BLAIR, WI	4418N	9114W	860	4	1948-2001	
470904	BLOOMER, WI	4506N	9129W	980	1	1948-2001	
470991	BOWLER, WI	4451N	8859W	1,080	3	1948-2001	
471078	BRODHEAD, WI	4237N	8923W	790	8	1948-2001	
471205	BURLINGTON, WI	4239N	8815W	751	9	1948-2001	
471280	CASHTON, WI	4345N	9047W	1,380	4	1949-2001	
471416	CHARMANY FARM, WI	4304N	8929W	910	8	1959-2001	
471568	CHILTON, WI	4402N	8809W	840	6	1948-2001	
471676	CLINTONVILLE, WI	4437N	8845W	800	5	1948-2001	
471847	COUDERAY 7 W, WI	4548N	9128W	1,300	1	1948-2001	
471897	CRIVITZ HIGH FALLS, WI	4521N	8812W	1,050	3	1948-2001	

471923	CUMBERLAND, WI	4532N	9201W	1,240	1	1948-2001	
471970	DALTON, WI	4339N	8912W	860	5	1948-2001	
471978	DANBURY, WI	4600N	9222W	925	1	1948-2001	
472001	DARLINGTON, WI	4241N	9006W	930	7	1901-2001	
472173	DODGEVILLE, WI	4259N	9007W	1,110	7	1948-2001	
472240	DRUMMOND, WI	4620N	9116W	1,340	1	1948-2001	
472314	EAGLE RIVER, WI	4555N	8915W	1,645	2	1948-2001	
472428	EAU CLAIRE RGNL AP, WI	4452N	9129W	885	4	1949-2001	EAU
472556	ELLSWORTH 1 E, WI	4444N	9228W	1,030	4	1948-2001	
472678	FAIRCHILD RANGER STA, WI	4436N	9058W	1,080	4	1948-2001	
472839	FOND DU LAC, WI	4348N	8827W	760	6	1948-2001	
472869	FORT ATKINSON, WI	4254N	8851W	800	8	1948-2001	
472889	FOXBORO, WI	4629N	9217W	932	1	1963-2001	
473038	GENOA DAM 8, WI	4334N	9114W	639	7	1948-2001	
473058	GERMANTOWN, WI	4313N	8807W	850	9	1948-2001	
473174	GOODMAN, WI	4538N	8821W	1,430	3	1959-2001	
473186	GORDON, WI	4615N	9148W	1,040	1	1951-2001	
473244	GRANTSBURG, WI	4546N	9241W	990	1	1950-2001	
473269	GREEN BAY STRBL INTL AP, WI	4429N	8808W	687	6	1948-2001	GRB
473332	GURNEY, WI	4628N	9031W	970	2	1952-2001	
473405	HANCOCK EXP FARM, WI	4407N	8932W	1,076	5	1903-2001	
473453	HARTFORD 2 W, WI	4320N	8825W	980	9	1948-2001	
473654	HILLSBORO, WI	4339N	9020W	940	7	1948-2001	
473698	HOLCOMBE, WI	4514N	9108W	1,025	1	1948-2001	
473756	HORICON, WI	4326N	8838W	880	8	1970-2001	
474080	JUMP RIVER 3 E, WI	4522N	9046W	1,265	2	1948-2001	
474174	KENOSHA, WI	4234N	8749W	600	9	1948-2001	
474195	KEWAUNEE 3 NW, WI	4429N	8732W	702	6	1948-2001	
474370	LA CROSSE MUNICIPAL AP, WI	4353N	9115W	651	4	1948-2001	LSE
474457	LAKE GENEVA, WI	4236N	8826W	880	9	1948-2001	
474482	LAKE MILLS, WI	4305N	8855W	852	8	1948-2001	
474523	LAKEWOOD 3 NE, WI	4519N	8830W	1,290	3	1968-2001	
474546	LANCASTER 4 WSW, WI	4250N	9047W	1,040	7	1948-2001	
474582	LAONA 6 SW, WI	4530N	8846W	1,525	3	1948-2001	
474894	LUCK, WI	4535N	9229W	1,220	1	1971-2001	
474937	LYNXVILLE DAM 9, WI	4313N	9106W	633	7	1948-2001	
474953	MADLINE ISLAND, WI	4647N	9046W	660	2	1948-2001	

474961	MADISON DANE CO AP, WI	4308N	8921W	858	8	1948-2001	MSN
475017	MANITOWOC, WI	4405N	8741W	660	6	1948-2001	
475091	MARINETTE, WI	4505N	8738W	610	3	1948-2001	
475120	MARSHFIELD EXP FARM, WI	4438N	9008W	1,250	5	1913-2001	
475164	MATHER 3 NW, WI	4411N	9022W	970	4	1948-2001	
475178	MAUSTON 1 SE, WI	4347N	9004W	865	5	1948-2001	
475255	MEDFORD, WI	4508N	9021W	1,470	2	1948-2001	
475286	MELLEN 4 NE, WI	4622N	9039W	1,300	2	1948-2001	
475335	MENOMONIE, WI	4453N	9156W	780	4	1948-2001	
475364	MERRILL, WI	4510N	8940W	1,253	2	1905-2001	
475474	MILWAUKEE MT MARY COL, WI	4304N	8802W	726	9	1948-2001	
475479	MILWAUKEE MITCHELL AP, WI	4257N	8754W	672	9	1948-2001	MKE
475516	MINOCQUA DAM, WI	4552N	8943W	1,580	2	1905-2001	
475525	MINONG 5 WSW, WI	4604N	9152W	1,075	1	1961-2001	
475563	MONDOVI, WI	4434N	9141W	830	4	1948-2001	
475581	MONTELLO, WI	4347N	8919W	786	5	1954-2001	
475786	NECEDAH, WI	4402N	9005W	925	5	1953-2001	
475808	NEILLSVILLE 3 SW, WI	4432N	9038W	1,035	2	1948-2001	
475932	NEW LONDON, WI	4421N	8843W	805	5	1948-2001	
476122	NORTH PELICAN, WI	4538N	8915W	1,610	2	1948-2001	
476200	OCONOMOWOC, WI	4306N	8830W	856	9	1948-2001	
476208	OCONTO 4 W, WI	4453N	8757W	660	3	1948-2001	
476330	OSHKOSH, WI	4401N	8833W	750	6	1948-2001	
476357	OWEN 3 W, WI	4458N	9036W	1,242	2	1948-2001	
476398	PARK FALLS DNR HQ, WI	4556N	9027W	1,525	2	1948-2001	
476646	PLATTEVILLE, WI	4245N	9028W	990	7	1948-2001	
476678	PLYMOUTH, WI	4344N	8758W	834	6	1910-2001	
476718	PORTAGE, WI	4332N	8926W	775	8	1948-2001	
476764	PORT WASHINGTON, WI	4323N	8752W	600	9	1948-2001	
476772	PORT WING, WI	4647N	9123W	651	1	1948-2001	
476827	PRAIRIE DU CHIEN, WI	4302N	9109W	658	7	1948-2001	
476838	PRAIRIE DU SAC 2 N, WI	4319N	8944W	780	7	1947-2001	
476859	PRENTICE NO. 2, WI	4531N	9017W	1,540	2	1948-2001	
476922	RACINE, WI	4242N	8747W	595	9	1948-2001	
477052	REEDSBURG, WI	4332N	9001W	905	7	1948-2001	
477092	REST LAKE, WI	4607N	8953W	1,610	2	1948-2001	
477113	RHINELANDER, WI	4537N	8925W	1,580	2	1948-2001	



477132	RICE LAKE, WI	4525N	9147W	1,103	1	1948-2001	
477158	RICHLAND CENTER, WI	4319N	9023W	723	7	1948-2001	
477174	RIDGELAND 1 NNE, WI	4513N	9153W	960	4	1948-2001	
477226	RIVER FALLS, WI	4451N	9237W	915	4	1948-2001	
477349	ROSHOLT 9 NNE, WI	4445N	8914W	1,160	5	1948-2001	
477464	ST CROIX FALLS, WI	4525N	9239W	770	1	1950-2001	
477480	ST GERMAIN 2 E, WI	4554N	8926W	1,645	2	1971-2001	
477708	SHAWANO 2 SSW, WI	4445N	8837W	810	3	1948-2001	
477725	SHEBOYGAN, WI	4345N	8743W	648	6	1948-2001	
477892	OLON SPRINGS, WI	4621N	9149W	1,080	1	1920-2001	
477997	SPARTA, WI	4356N	9049W	782	4	1948-2001	
478027	SPOONER EXPERMNT FARM, WI	4549N	9153W	1,100	1	1911-2001	
478110	STANLEY, WI	4458N	9056W	1,090	1	1948-2001	
478171	STEVENS POINT, WI	4430N	8935W	1,079	5	1948-2001	
478229	STOUGHTON, WI	4237N	8945W	840	8	1948-2001	
478267	STURGEON BAY EXP FARM, WI	4452N	8720W	656	6	1905-2001	
478349	SUPERIOR, WI	4642N	9201W	630	1	1948-2001	
478589	TREMPEALEAU DAM 6, WI	4400N	9126W	660	4	1948-2001	
478672	TWO RIVERS, WI	4408N	8734W	599	6	1950-2001	
478827	VIROQUA 2 S, WI	4332N	9052W	1,160	7	1901-2001	
478905	WASHINGTON ISLAND, WI	4522N	8656W	600	6	1948-2001	
478919	WATERTOWN, WI	4311N	8844W	825	8	1924-2001	
478937	WAUKESHA, WI	4301N	8814W	830	9	1948-2001	
478951	WAUPACA, WI	4421N	8904W	871	5	1948-2001	
478968	WAUSAU AP, WI	4456N	8938W	1,196	2	1948-2001	AUW
479046	WEST ALLIS, WI	4301N	8800W	723	9	1951-2001	
479050	WEST BEND, WI	4322N	8805W	940	9	1924-2001	
479144	WEYERHAUSER, WI	4525N	9125W	1,195	1	1948-2001	
479190	WHITEWATER, WI	4251N	8844W	875	9	1948-2001	
479236	WILLOW RESERVOIR, WI	4542N	8951W	1,560	2	1948-2001	
479304	WINTER, WI	4549N	9101W	1,397	1	1948-2001	
479319	WISCONSIN DELLS, WI	4337N	8946W	835	8	1948-2001	
479335	WISCONSIN RAPIDS, WI	4423N	8948W	1,040	5	1948-2001	
480027	AFTON, WY	4244N	11056W	6,210	2	1957-2001	
480080	ALBIN, WY	4125N	10406W	5,345	8	1948-2001	
480140	ALTA 1 NNW, WY	4346N	11102W	6,430	2	1948-2001	
480270	ARCHER, WY	4109N	10439W	6,010	8	1948-2001	

480540	BASIN, WY	4423N	10802W	3,837	4	1948-2001	
480552	BATES CREEK NO 2, WY	4238N	10623W	6,010	10	1969-2001	
480695	BIG PINEY, WY	4232N	11007W	6,820	3	1948-2001	
480740	BILLY CREEK, WY	4408N	10643W	4,975	5	1962-2001	
480761	BITTER CREEK 4 NE, WY	4135N	10831W	6,720	3	1962-2001	
480778	BLACK MOUNTAIN, WY	4339N	10744W	5,635	4	1963-2001	
480865	BONDURANT, WY	4314N	11026W	6,535	2	1948-2001	
481000	BOYSEN DAM, WY	4324N	10810W	4,810	9	1948-2001	
481165	BUFFALO, WY	4421N	10642W	4,670	5	1948-2001	
481175	BUFFALO BILL DAM, WY	4430N	10911W	5,156	4	1948-2001	
481220	BURGESS JUNCTION, WY	4447N	10731W	8,040	5	1960-2001	
481284	BURRIS, WY	4322N	10917W	6,120	9	1951-2001	
481547	CARPENTER, WY	4103N	10422W	5,390	8	1948-2001	
481570	CASPER NATRONA CO AP, WY	4254N	10628W	5,338	8	1948-2001	CPR
481610	CENTENNIAL 1 N, WY	4119N	10608W	4,160	10	1948-2001	
481675	CHEYENNE MUNICIPAL AP, WY	4109N	10448W	6,115	8	1915-2001	CYS
481730	CHUGWATER, WY	4145N	10449W	5,304	8	1915-2001	
481736	CHURCH BUTTES GAS PLT, WY	4124N	11005W	7,075	3	1891-2001	
481775	CLARK 3 NE, WY	4456N	10908W	4,090	1	1961-2001	
481816	CLEARMONT 5 SW, WY	4435N	10627W	3,995	5	1881-2001	
481840	CODY, WY	4431N	10904W	5,050	4	1915-2001	
481850	CODY 12 SE, WY	4425N	10854W	5,248	4	1949-2001	
481855	CODY 21 SW, WY	4420N	10923W	5,840	4	1958-2001	
481905	COLONY, WY	4455N	10411W	3,570	6	1915-2001	
482415	DEAVER, WY	4453N	10836W	4,105	4	1948-2001	
482466	DEVILS TOWER 2, WY	4435N	10443W	3,862	6	1959-2001	
482580	DILLINGER, WY	4406N	10507W	4,310	6	1948-2001	
482595	DIVERSION DAM, WY	4314N	10857W	5,575	9	1948-2001	
482680	DOUBLE FOUR RANCH, WY	4211N	10524W	6,199	8	1948-2001	
482715	DUBOIS, WY	4332N	10938W	6,960	9	1948-2001	
482725	DULL CENTER 1 SE, WY	4325N	10458W	4,415	7	1948-2001	
482881	ECHETA 2 NW, WY	4429N	10554W	4,000	5	1949-2001	
482995	ELK MOUNTAIN, WY	4141N	10625W	7,265	10	1948-2001	
483031	EMBLEM, WY	4430N	10823W	4,448	4	1949-2001	
483100	EVANSTON 1 E, WY	4116N	11057W	6,825	3	1890-2001	
483170	FARSON 5 N, WY	4211N	10927W	6,675	3	1915-2001	
483396	FONTENELLE DAM, WY	4159N	11004W	6,480	3	1963-2001	

483801	GAS HILLS 4 E, WY	4250N	10731W	6,470	9	1962-2001	
483855	GILLETTE 6 SE, WY	4415N	10527W	4,640	6	1925-2001	
483950	GLENROCK 5 ESE, WY	4250N	10547W	4,948	8	1948-2001	
484065	GREEN RIVER, WY	4132N	10929W	6,077	3	1915-2001	
484411	HEART MOUNTAIN, WY	4442N	10857W	4,790	4	1949-2001	
484760	HULETT, WY	4441N	10436W	3,758	6	1948-2001	
484910	JACKSON, WY	4329N	11046W	6,230	2	1948-2001	
484925	JEFFREY CITY, WY	4230N	10750W	6,320	10	1964-2001	
485055	KAYCEE, WY	4343N	10638W	4,660	5	1948-2001	
485105	KEMMERER 2 N, WY	4149N	11032W	6,926	3	1948-2001	
485252	LA BARGE, WY	4216N	11012W	6,595	3	1958-2001	
485260	LA GRANGE, WY	4138N	10410W	4,590	8	1948-2001	
485345	LAKE YELLOWSTONE, WY	4434N	11024W	7,870	1	1948-2001	
485390	LANDER AP, WY	4249N	10844W	5,557	9	1948-2001	LND
485415	LARAMIE RGNL AP, WY	4119N	10540W	7,266	10	1948-2001	LAR
485435	LARAMIE 2 NW, WY	4120N	10536W	7,140	10	1966-2001	
485506	LEITER 9 N, WY	4451N	10617W	4,160	5	1964-2001	
485770	LOVELL, WY	4450N	10824W	3,837	4	1948-2001	
485830	LUSK 2 SW, WY	4245N	10429W	5,090	7	1915-2001	
486120	MEDICINE BOW, WY	4154N	10612W	6,570	10	1881-2001	
486195	MIDWEST, WY	4325N	10617W	4,860	5	1948-2001	
486395	MOORCROFT 3 S, WY	4413N	10456W	4,325	6	1948-2001	
486428	MOOSE, WY	4339N	11043W	6,470	2	1958-2001	
486440	MORAN 5 WNW, WY	4351N	11035W	6,798	2	1915-2001	
486555	MOUNTAIN VIEW, WY	4116N	11020W	6,800	3	1966-2001	
486595	MUDDY GAP, WY	4222N	10727W	6,245	10	1949-2001	
486660	NEWCASTLE, WY	4351N	10413W	4,315	7	1918-2001	
487115	PAVILLION, WY	4314N	10842W	5,420	9	1948-2001	
487200	PHILLIPS, WY	4138N	10430W	4,982	8	1948-2001	
487260	PINEDALE, WY	4253N	10952W	7,195	3	1948-2001	
487376	POWDER RIVER NO 2, WY	4302N	10659W	5,700	5	1964-2001	
487533	RAWLINS AP, WY	4148N	10712W	6,736	10	1951-2000	RWL
487548	RECLUSE 11 NNW, WY	4455N	10544W	3,750	5	1966-2001	
487555	REDBIRD, WY	4315N	10417W	3,890	7	1948-2001	
487760	RIVERTON, WY	4302N	10822W	4,955	9	1918-2001	
487810	ROCHELLE 3 E, WY	4336N	10454W	4,496	7	1948-2001	
487845	ROCK SPRINGS AP, WY	4136N	10904W	6,741	3	1948-2001	RKS

487955	SAGE 4 NNW, WY	4152N	11100W	6,210	3	1948-2001	
487990	SARATOGA, WY	4127N	10649W	6,790	10	1948-2001	
488155	SHERIDAN AP, WY	4446N	10658W	3,964	5	1948-2001	SHR
488160	SHERIDAN FIELD STN, WY	4450N	10650W	3,750	5	1920-2001	
488315	SNAKE RIVER, WY	4408N	11040W	6,882	2	1948-2001	
488385	SOUTH PASS CITY, WY	4228N	10848W	7,840	10	1915-2001	
488705	SUNDANCE, WY	4424N	10423W	4,750	6	1915-2001	
488758	SUNSHINE 3 NE, WY	4404N	10858W	6,300	4	1963-2001	
488808	SYBILLE RESEARCH UNIT, WY	4146N	10523W	6,100	8	1964-2001	
488852	TEN SLEEP 4 NE, WY	4404N	10723W	4,820	4	1964-2001	
488858	TEN SLEEP 16 SSE, WY	4349N	10722W	4,680	4	1955-2001	
488875	THERMOPOLIS, WY	4339N	10812W	4,313	4	1948-2001	
488888	THERMOPOLIS 25 WNW, WY	4343N	10842W	5,695	4	1951-2001	
488995	TORRINGTON EXP FARM, WY	4205N	10413W	4,098	8	1922-2001	
489025	TOWER FALLS, WY	4455N	11025W	6,266	1	1948-2001	
489205	UPTON, WY	4406N	10437W	4,320	7	1948-2001	
489459	WAMSUTTER, WY	4140N	10758W	6,740	3	1948-2001	
489580	WESTON 1 E, WY	4438N	10518W	3,525	5	1951-2001	
489615	WHEATLAND 4 N, WY	4207N	10457W	4,638	8	1915-2001	
489770	WORLAND, WY	4401N	10758W	4,060	4	1915-2001	
489785	WORLAND MUNICIPAL AP, WY	4358N	10757W	4,172	4	1960-2001	WRL
489905	YELLOWSTONE PARK MAMMOTH, WY	4459N	11042W	6,230	1	1948-2001	
489925	YODER 2 WSW, WY	4154N	10420W	4,289	8	1948-2001	
500243	ALYESKA, AK	6058N	14908W	250	5	1963-2001	
500280	ANCHORAGE INTL AP, AK	6111N	15000W	114	5	1952-2001	ANC
500302	ANDERSON LAKE, AK	6137N	14920W	495	5	1971-2001	
500352	ANNETTE AP, AK	5503N	13134W	109	1	1949-2001	ANN
500464	AUKE BAY, AK	5823N	13439W	42	1	1963-2001	
500546	BARROW AP, AK	7117N	15646W	31	9	1949-2001	BRW
500657	BEAVER FALLS, AK	5523N	13128W	35	1	1949-2001	
500707	BENS FARM, AK	6134N	14908W	150	5	1969-2001	
500754	BETHEL AP, AK	6047N	16150W	125	7	1949-2001	BET
500761	BETTLES AP, AK	6655N	15131W	642	8	1951-2001	BTT
500770	BIG DELTA ALLEN AAF, AK	6400N	14543W	1,268	8	1937-2001	BIG
502102	COLD BAY AP, AK	5512N	16243W	96	3	1950-2001	CDB
502107	COLLEGE OBSERVATORY, AK	6452N	14750W	621	8	1949-2001	
502112	COLLEGE 5 NW, AK	6456N	14753W	950	8	1976-2001	

502144	COOPER LAKE PROJECT, AK	6024N	14940W	800	2	1958-2001	
502177	CORDOVA AP, AK	6029N	14527W	38	2	1949-2001	CDV
502707	EIELSON FIELD, AK	6440N	14706W	547	8	1949-2001	
502785	ELFIN COVE, AK	5812N	13640W	20	1	1975-2001	ELV
502968	FAIRBANKS INTL AP, AK	6449N	14751W	436	8	1949-2001	FAI
503294	GLACIER BAY, AK	5827N	13553W	50	1	1966-2001	
503299	GLEN ALPS, AK	6106N	14941W	2,260	5	1971-2001	
503304	GLENNALLEN KCAM, AK	6207N	14532W	1,456	4	1965-2001	
503465	GULKANA AP, AK	6210N	14527W	1,571	4	1949-2001	GKN
503665	HOMER AP, AK	5939N	15129W	89	5	1932-2001	HOM
503905	ILIAMNA AP, AK	5945N	15455W	186	6	1939-2001	ILI
503933	INTRICATE BAY, AK	5934N	15428W	170	6	1959-2001	
504100	JUNEAU INTL AP, AK	5821N	13435W	12	1	1949-2001	JNU
504546	KENAI MUNICIPAL AP, AK	6035N	15114W	86	5	1949-2001	ENA
504766	KING SALMON AP, AK	5841N	15639W	49	6	1955-2001	AKN
504812	KITOI BAY, AK	5811N	15221W	15	2	1954-2001	
505076	KOTZEBUE WIEN AP, AK	6653N	16236W	10	9	1949-2001	OTZ
505519	LITTLE PORT WALTER, AK	5623N	13439W	14	1	1949-2001	
505733	MATANUSKA AES, AK	6133N	14915W	172	5	1917-2001	PALA
505769	MCGRATH AP, AK	6257N	15536W	344	8	1939-2001	MCG
505778	MCKINLEY PARK, AK	6343N	14858W	2,070	8	1949-2001	
506496	NOME AP, AK	6431N	16527W	13	7	1949-2001	OME
506581	NORTH POLE, AK	6445N	14720W	475	8	1968-2001	
506586	NORTHWAY AP, AK	6258N	14156W	1,713	8	1949-2001	ORT
506777	OUZINKIE, AK	5756N	15230W	70	2	1970-1996	
506870	PALMER IAS, AK	6136N	14906W	225	5	1949-1998	
507570	PORT ALSWORTH, AK	6012N	15418W	260	6	1960-2001	
507783	PUNTILLA, AK	6206N	15245W	1,832	5	1949-2001	PTI
508118	ST PAUL ISLAND AP, AK	5710N	17013W	22	3	1949-2001	SNP
508371	SEWARD, AK	6006N	14926W	75	2	1949-2001	
508494	SITKA JAPONSKI AP, AK	5703N	13522W	14	1	1949-2001	SIT
508594	SNOWSHOE LAKE, AK	6202N	14642W	2,301	4	1963-2001	
508976	TALKEETNA AP, AK	6219N	15006W	345	5	1949-2001	TKA
509014	TANANA AP, AK	6510N	15206W	227	8	1949-2001	TAL
509313	TOK, AK	6321N	14303W	1,620	8	1954-2001	
509385	TONSINA, AK	6139N	14510W	1,575	4	1963-2001	
509641	UNIVERSITY EXP STA, AK	6451N	14752W	475	8	1931-2001	

509686	VALDEZ, AK	6108N	14621W	23	2	1964-2001	VWS
509759	WASILLA 3 S, AK	6132N	14926W	50	5	1949-1999	
509790	WHITES CROSSING, AK	6142N	15000W	270	5	1971-2001	
509919	WRANGELL AP, AK	5629N	13222W	44	1	1949-2001	WRG
511004	HALEAKALA R S 338, HI	2046N	15615W	6,960	5	1949-2001	
511125	HANA AP 355, HI	2048N	15601W	75	5	1950-2001	
511303	HAWAII VOLCNS NP HQ 54, HI	1926N	15516W	3,971	6	1949-2001	
511492	HILO INTL AP, HI	1943N	15503W	30	6	1949-2001	ITO
511919	HONOLULU INTL AP 703, HI	2119N	15756W	7	2	1949-2001	HNL
512572	KAHULUI AP 398, HI	2054N	15626W	51	5	1954-2001	OGG
513099	KANALOHULUHULU 1075, HI	2208N	15940W	3,600	1	1955-2001	
513113	KANEOHE MAUKA 781, HI	2125N	15749W	190	2	1949-1998	
515011	KULANI CAMP 79, HI	1933N	15518W	5,170	6	1949-2001	
515177	LAHAINA 361, HI	2053N	15641W	40	5	1949-2001	
515580	LIHUE AP 1020.1, HI	2159N	15920W	103	1	1950-2001	LIH
516128	MANOA LYON ARBORETUM, HI	2119N	15749W	500	2	1975-2001	
516198	MAUNA LOA SLOPE OBS, HI	1932N	15535W	11,150	6	1955-2001	MKK
516534	MOLOKAI KAUNAKAKAI AP524, HI	2110N	15706W	450	3	1957-2001	
516588	NAALEHU 14, HI	1904N	15535W	800	6	1949-2001	
517166	OPIHIHALE 2 24.1, HI	1916N	15553W	1,360	6	1956-2001	
519397	WAIKIKI 717.2, HI	2116N	15749W	10	2	1965-2001	
519523	WAIMANALO EXP F 795.1, HI	2120N	15743W	60	2	1969-2001	

Freeze / Frost Occurrence Data

All probabilities in whole percent. See notes for probability level description.  
- Indicates the probability of occurrence of threshold temperatureis less than indicated probability.

State And Station Name	Thresh old (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			Prob o b a b i l i t y  (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 May08 Apr24	Jun05 May22 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 32 28	May29 May11 Apr18	Jun17 May21 May05	Jul06 Jun01 May21	Aug16 Sep02 Sep14	Aug30 Sep15 Sep28	Sep13 Sep29 Oct11	99 132 169	74 116 145	48 100 121	59 45 33
EIELSON FIELD	36 32 28	May15 May03 Apr22	May30 May15 May05	Jun14 May26 May17	Aug17 Aug25 Aug30	Aug27 Sep04 Sep15	Sep06 Sep15 Oct01	109 128 154	89 112 133	68 96 111	67 61 55
ELFIN COVE	36 32 28	May07 Apr06 Mar08	May17 Apr24 Mar28	May27 May13 Apr17	Sep24 Oct05 Oct24	Oct11 Oct26 Nov19	Oct28 Nov16 Dec16	168 213 274	146 184 236	125 155 198	45 25 12
FAIRBANKS INTL AP	36 32 28	May15 May07 Apr21	May24 May15 May03	Jun02 May23 May15	Aug17 Aug26 Sep03	Aug28 Sep08 Sep19	Sep08 Sep21 Oct05	112 132 158	96 115 138	79 99 119	66 61 55
GLACIER BAY	36 32 28	May13 Apr23 Mar21	May29 May07 Apr11	Jun14 May20 May01	Sep07 Sep20 Sep28	Sep23 Oct08 Oct26	Oct09 Oct26 Nov23	140 177 237	116 154 198	93 130 159	55 40 21
GLEN ALPS	36 32 28	May31 May12 Apr22	Jun17 May30 May10	Jul03 Jun16 May29	Aug13 Aug24 Sep08	Aug29 Sep10 Sep23	Sep13 Sep28 Oct09	99 128 161	73 103 135	46 78 109	69 61 51
GLENNALLEN KCAM	36 32 28	Jul14 Jun30 Jun02	Jul26 Jul17 Jun24	Aug07 Aug03 Jul15	Jul31 Aug01 Aug07	Aug05 Aug10 Aug16	Aug10 Aug19 Aug26	24 46 77	10 23 53	0 1 28	78 72 64
GULKANA AP	36 32 28	Jun13 May22 May09	Jul06 Jun12 May23	Jul29 Jul03 Jun05	Aug01 Aug07 Aug19	Aug11 Aug19 Aug31	Aug21 Aug31 Sep12	61 91 120	36 67 100	10 44 79	72 65 58
HOMER AP	36 32 28	May19 May04 Apr14	Jun09 May20 May01	Jun30 Jun05 May18	Aug24 Sep11 Sep21	Sep08 Sep24 Oct03	Sep23 Oct08 Oct15	117 150 177	90 127 155	63 103 132	61 49 36
ILIAMNA AP	36 32 28	May18 May02 Apr15	Jun01 May17 May02	Jun15 Jun01 May20	Aug25 Sep12 Sep19	Sep12 Sep24 Oct03	Sep30 Oct05 Oct17	128 149 176	102 129 153	77 109 130	61 49 39
INTRICATE BAY	36 32 28	Jun10 May29 May13	Jul01 Jun17 May27	Jul22 Jul06 Jun10	Aug04 Aug14 Sep03	Aug17 Aug31 Sep17	Aug29 Sep17 Oct01	73 102 132	46 74 112	19 46 92	66 54 43
JUNEAU INTL AP	36 32 28	May07 Apr22 Mar24	May25 May08 Apr14	Jun12 May24 May05	Aug31 Sep15 Sep25	Sep18 Oct04 Oct16	Oct07 Oct22 Nov07	145 176 216	116 148 185	86 120 154	49 35 23
KENAI MUNICIPAL AP	36 32 28	May27 May11 Apr16	Jun23 May26 May05	Jul19 Jun10 May24	Aug08 Aug23 Sep06	Aug25 Sep09 Sep22	Sep12 Sep26 Oct09	97 132 167	63 105 139	29 78 111	65 56 45
KING SALMON AP	36 32 28	Jun05 May14 Apr24	Jun23 May29 May10	Jul11 Jun13 May26	Aug11 Aug23 Sep06	Aug29 Sep10 Sep22	Sep15 Sep29 Oct08	94 131 159	66 103 134	38 76 109	65 54 43
KITOI BAY	36 32 28	May23 May02 Apr09	Jun06 May18 May01	Jun21 May03 May23	Aug29 Sep15 Sep27	Sep15 Sep27 Oct10	Oct02 Oct10 Oct24	123 152 190	100 131 162	76 110 134	59 45 28
KOTZEBUE WIEN AP	36 32 28	Jun11 May31 May17	Jun24 Jun11 May30	Jul07 Jun21 Jun12	Aug20 Sep03 Sep13	Sep05 Sep18 Sep25	Sep20 Oct03 Oct07	94 117 136	72 99 117	50 81 98	74 67 62
LITTLE PORT WALTER	36 32 28	May10 Apr15 Feb23	May26 May03 Mar23	Jun12 May21 Apr21	Sep20 Oct02 Oct27	Oct04 Oct24 Nov19	Oct17 Nov14 Dec11	149 205 277	129 173 240	110 141 203	46 29 12
MATANUSKA AES	36 32 28	May22 May11 Apr20	Jun04 May20 May04	Jun17 May30 May19	Aug18 Aug28 Sep11	Sep01 Sep14 Sep24	Sep15 Sep30 Oct07	109 137 164	88 116 142	68 94 119	63 56 47
MCGRATH AP	36 32 28	May18 May08 Apr26	Jun08 May21 May07	Jun29 Jun02 May18	Aug10 Aug19 Sep02	Aug22 Sep02 Sep16	Sep04 Sep15 Oct01	99 122 150	75 103 131	50 84 113	68 62 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 32 28	Jun04 May23 May08	Jun24 Jun05 May19	Jul15 Jun17 May30		Aug06 Aug12 Aug24	Aug17 Aug29 Sep10	Aug28 Sep15 Sep27		81 105 135	53 85 113	26 64 90	69 63 56
WRANGELL AP	36 32 28	Apr19 Mar27 Feb28	May17 Apr26 Mar28	Jun15 May26 Apr25		Sep09 Sep27 Oct19	Oct04 Oct20 Nov09	Oct29 Nov12 Nov30		183 222 268	139 176 225	94 130 182	43 28 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 (Aug 1 - Jul 31).  
(percent of days with temperatures at or below the threshold temperature)

Freeze / Frost Occurrence Data

All probabilities in whole percent. See notes for probability level description.  
- Indicates the probability of occurrence of threshold temperatureis less than indicated probability.

State And Station Name	Thresh hold (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			Prob o b a b i l i t y
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
Alabama											
ALEXANDER CITY	36 32 28	Mar28 Mar13 Feb18	Apr10 Mar30 Mar07	Apr22 Apr17 Mar25	Oct07 Oct24 Nov04	Oct22 Nov08 Nov19	Nov07 Nov22 Dec05	211 245 282	195 222 256	179 199 231	24 17 10
ALICEVILLE	36 32 28	Mar27 Mar15 Feb18	Apr10 Apr01 Mar11	Apr24 Apr17 Mar31	Oct05 Oct20 Oct30	Oct19 Nov04 Nov18	Nov03 Nov18 Dec07	208 235 277	191 216 252	174 197 226	25 18 11
ANDALUSIA 3 W	36 32 28	Mar28 Mar16 Feb17	Apr12 Apr01 Mar08	Apr28 Apr18 Mar28	Oct02 Oct18 Oct31	Oct21 Nov06 Nov20	Nov09 Nov26 Dec10	215 245 285	191 218 256	167 192 226	21 16 9
ANNISTON METRO AP	36 32 28	Mar28 Mar08 Feb17	Apr10 Mar27 Mar09	Apr22 Apr14 Mar29	Oct08 Oct19 Nov03	Oct24 Nov02 Nov18	Nov08 Nov16 Dec04	212 244 278	196 220 254	181 196 230	21 15 8
ASHLAND 3 SE	36 32 28	Apr03 Mar16 Feb25	Apr17 Apr04 Mar21	May01 Apr24 Apr13	Oct04 Oct15 Oct24	Oct17 Nov01 Nov13	Oct30 Nov17 Dec03	202 237 266	182 210 237	163 183 208	25 18 12
ATMORE STATE NURSERY	36 32 28	Mar06 Feb16 Jan21	Mar25 Mar09 Feb17	Apr12 Mar31 Mar16	Oct27 Nov03 Nov13	Nov11 Nov20 Dec11	Nov25 Dec07 Jan08	257 282 326	230 255 295	203 229 266	13 8 4
BANKHEAD LOCK AND DAM	36 32 28	Mar29 Mar11 Feb18	Apr11 Mar30 Mar17	Apr24 Apr17 Apr13	Oct06 Oct23 Nov01	Oct26 Nov07 Nov19	Nov14 Nov22 Dec07	222 248 282	197 222 246	172 195 211	25 18 11
BAY MINETTE	36 32 28	Mar08 Feb11 Jan28	Mar24 Mar04 Feb21	Apr09 Mar24 Mar18	Oct23 Nov02 Nov12	Nov08 Nov23 Dec12	Nov24 Dec15 Jan10	250 294 325	229 264 291	207 233 259	11 7 4
BEATRICE	36 32 28	Mar15 Feb24 Feb10	Apr03 Mar20 Mar03	Apr22 Apr13 Mar25	Oct15 Oct26 Nov08	Oct30 Nov13 Nov29	Nov13 Dec01 Dec20	235 274 303	209 237 270	183 200 237	18 13 7
BELLE MINA 2 N	36 32 28	Apr02 Mar21 Feb22	Apr13 Apr03 Mar14	Apr24 Apr16 Apr04	Oct04 Oct12 Oct24	Oct18 Oct28 Nov11	Nov01 Nov14 Nov28	201 230 265	187 208 241	174 185 216	27 20 13
BIRMINGHAM INTL AP	36 32 28	Mar27 Mar17 Feb21	Apr10 Apr02 Mar13	Apr24 Apr19 Apr03	Oct06 Oct27 Nov03	Oct22 Nov09 Nov18	Nov07 Nov22 Dec04	213 242 275	194 220 250	176 198 225	21 15 9
BREWTON 3 SSE	36 32 28	Mar30 Mar10 Feb18	Apr13 Mar31 Mar08	Apr26 Apr21 Mar27	Oct06 Oct12 Oct30	Oct19 Nov03 Nov17	Nov02 Nov24 Dec06	207 245 281	189 216 253	172 187 225	20 14 8
BRIDGEPORT 5 NW	36 32 28	Apr09 Mar31 Mar15	Apr27 Apr13 Mar29	May15 Apr27 Apr13	Sep29 Oct02 Oct20	Oct12 Oct20 Nov04	Oct24 Nov06 Nov20	190 209 240	167 189 219	144 168 198	31 24 16
CAMDEN 3 NW	36 32 28	Mar13 Mar02 Feb05	Apr02 Mar19 Mar03	Apr22 Apr05 Mar28	Oct14 Oct25 Nov05	Oct30 Nov12 Nov25	Nov15 Nov29 Dec16	241 263 301	210 237 267	179 211 233	20 14 8

CAMP HILL 2 NW	36 32 28	Apr01 Mar24 Feb22	Apr18 Apr08 Mar16	May05 Apr22 Apr08	Oct03 Oct09 Oct26	Oct17 Oct24 Nov11	Oct31 Nov08 Nov28	206 219 273	181 199 240	157 179 206	26 20 13
CHATOM	36 32 28	Mar25 Mar09 Feb06	Apr07 Mar28 Mar02	Apr20 Apr15 Mar26	Oct06 Oct21 Nov06	Oct25 Nov10 Nov24	Nov13 Nov30 Dec12	223 253 296	201 227 266	179 200 236	18 12 7
CHILDERSBURG WATER PLANT	36 32 28	Apr05 Mar22 Feb27	Apr17 Apr05 Mar19	Apr30 Apr19 Apr09	Oct02 Oct08 Oct28	Oct15 Oct24 Nov12	Oct28 Nov10 Nov27	197 218 262	180 201 236	164 185 211	23 17 11
CLANTON	36 32 28	Mar26 Mar16 Feb16	Apr11 Mar31 Mar08	Apr27 Apr14 Mar29	Oct06 Oct23 Nov04	Oct21 Nov06 Nov21	Nov06 Nov20 Dec07	212 240 281	193 220 257	174 200 232	23 16 10
CLAYTON	36 32 28	Mar18 Feb20 Feb02	Apr03 Mar14 Feb27	Apr18 Apr06 Mar25	Oct16 Oct23 Nov06	Nov04 Nov12 Dec01	Nov23 Dec01 Dec26	243 272 311	215 242 276	186 212 241	17 11 7
CODEN	36 32 28	Mar05 Feb15 Jan23	Mar22 Mar07 Feb16	Apr08 Mar27 Mar11	Oct21 Nov02 Nov09	Nov12 Nov23 Dec10	Dec03 Dec13 Jan09	259 289 331	234 260 294	209 231 261	13 8 4
DEMOPOLIS LOCK AND DAM	36 32 28	Mar16 Feb28 Feb07	Apr02 Mar19 Mar02	Apr18 Apr06 Mar24	Oct11 Oct24 Nov02	Oct26 Nov12 Nov23	Nov11 Dec01 Dec15	226 265 299	207 237 266	189 210 233	21 15 9
ENTERPRISE 5 NNW	36 32 28	Mar05 Feb13 Jan27	Mar26 Mar05 Feb19	Apr16 Mar25 Mar14	Oct28 Nov03 Nov15	Nov10 Nov22 Dec13	Nov24 Dec11 Jan10	254 289 326	228 261 294	203 233 266	13 8 4
EUFAULA WILDLIFE REF	36 32 28	Mar30 Mar05 Feb17	Apr12 Mar26 Mar06	Apr25 Apr16 Mar23	Oct07 Oct18 Oct31	Oct20 Nov05 Nov20	Nov02 Nov24 Dec10	207 254 286	191 224 258	174 194 230	20 13 8
EVERGREEN	36 32 28	Mar15 Mar01 Feb02	Mar30 Mar17 Feb24	Apr14 Apr02 Mar19	Oct22 Oct31 Nov11	Nov05 Nov17 Dec02	Nov19 Dec04 Dec24	239 266 307	219 244 280	199 222 253	18 12 7
FAIRHOPE 2 NE	36 32 28	Feb22 Feb03 Jan17	Mar13 Feb22 Feb10	Mar31 Mar13 Mar06	Nov01 Nov10 Nov19	Nov18 Dec01 Dec21	Dec05 Dec22 Jan22	274 306 350	249 281 309	225 256 277	10 6 3
FAVETTE	36 32 28	Apr04 Mar19 Feb24	Apr17 Apr06 Mar17	Apr30 Apr23 Apr07	Oct01 Oct09 Oct30	Oct15 Oct27 Nov14	Oct30 Nov13 Nov29	199 226 268	180 203 241	161 181 214	28 21 13
FRISCO CITY 3 SSW	36 32 28	Mar06 Feb23 Jan31	Mar24 Mar13 Feb23	Apr12 Mar31 Mar18	Oct24 Nov02 Nov08	Nov08 Nov18 Dec07	Nov23 Dec05 Jan05	251 275 318	228 249 284	205 224 254	15 10 6
GADSDEN	36 32 28	Mar26 Mar14 Feb19	Apr08 Mar30 Mar12	Apr22 Apr15 Apr02	Oct09 Oct27 Nov03	Oct24 Nov11 Nov24	Nov08 Nov27 Dec14	220 246 284	198 226 256	177 206 228	25 18 10
GAINESVILLE LOCK	36 32 28	Mar19 Feb28 Feb04	Apr02 Mar19 Feb24	Apr15 Apr06 Mar16	Oct12 Oct30 Nov05	Oct26 Nov11 Nov24	Nov10 Nov23 Dec13	223 261 300	207 237 273	190 213 245	21 15 9
GREENSBORO	36 32 28	Mar24 Mar04 Feb08	Apr08 Mar23 Mar04	Apr22 Apr11 Mar28	Oct16 Oct29 Nov02	Oct29 Nov13 Nov25	Nov11 Nov28 Dec18	223 259 302	204 234 265	185 209 228	18 12 7
GREENVILLE	36 32 28	Mar18 Feb28 Feb07	Apr02 Mar20 Mar02	Apr17 Apr09 Mar24	Oct20 Oct28 Nov09	Nov05 Nov15 Dec02	Nov21 Dec03 Dec24	237 264 301	216 239 274	195 215 248	15 10 6
GUNTERSVILLE	36 32 28	Mar29 Mar14 Feb14	Apr12 Mar30 Mar10	Apr25 Apr16 Apr02	Oct11 Oct26 Nov08	Oct26 Nov09 Nov24	Nov10 Nov23 Dec10	217 243 285	196 223 259	176 203 232	23 16 9
HALEVILLE	36 32 28	Mar29 Mar22 Mar04	Apr11 Apr04 Mar22	Apr23 Apr16 Apr09	Oct03 Oct13 Oct25	Oct19 Nov01 Nov14	Nov04 Nov20 Dec03	210 234 266	191 210 236	172 186 206	25 18 12

HAMILTON 3 S	36	Apr14	Apr30	May16	Sep27	Oct08	Oct19	181	161	141	34
	32	Apr05	Apr18	Apr30	Oct03	Oct16	Oct28	197	181	164	28
	28	Mar22	Apr05	Apr19	Oct12	Oct29	Nov16	228	207	186	20
HEADLAND	36	Mar12	Mar30	Apr16	Oct16	Nov04	Nov22	247	219	190	16
	32	Feb18	Mar09	Mar28	Oct20	Nov10	Dec02	276	246	216	10
	28	Jan30	Feb23	Mar18	Nov03	Nov30	Dec28	316	280	244	6
HEFLIN	36	Apr09	Apr26	May14	Oct03	Oct14	Oct24	193	170	147	29
	32	Apr01	Apr12	Apr24	Oct08	Oct22	Nov05	210	192	174	22
	28	Mar14	Mar30	Apr15	Oct21	Nov05	Nov20	243	219	195	15
HIGHLAND HOME	36	Mar20	Apr03	Apr17	Oct21	Nov04	Nov18	235	214	193	18
	32	Feb22	Mar14	Apr03	Oct27	Nov15	Dec03	274	245	216	12
	28	Feb07	Feb28	Mar21	Nov06	Nov27	Dec18	300	271	242	7
HUNTSVILLE INTL AP	36	Mar30	Apr11	Apr24	Oct06	Oct21	Nov05	209	192	175	24
	32	Mar17	Mar30	Apr12	Oct21	Nov04	Nov19	239	218	197	17
	28	Feb22	Mar14	Apr02	Nov04	Nov16	Nov27	266	246	227	10
JACKSON	36	Mar14	Mar30	Apr16	Oct19	Nov03	Nov18	241	217	193	17
	32	Feb17	Mar10	Mar31	Oct30	Nov15	Nov30	278	249	219	11
	28	Jan30	Feb21	Mar15	Nov09	Dec07	Jan04	319	286	255	6
JASPER	36	Apr05	Apr22	May08	Sep29	Oct12	Oct25	195	172	150	30
	32	Mar27	Apr10	Apr24	Oct08	Oct26	Nov12	219	198	177	22
	28	Mar11	Mar26	Apr11	Oct24	Nov08	Nov23	246	226	206	15
LAFAYETTE 2 W	36	Apr02	Apr14	Apr26	Oct06	Oct20	Nov03	206	188	170	22
	32	Mar17	Apr01	Apr15	Oct15	Oct31	Nov16	234	213	192	15
	28	Feb19	Mar14	Apr06	Nov02	Nov15	Nov28	274	245	217	9
LIVINGSTON	36	Mar27	Apr10	Apr25	Oct03	Oct19	Nov04	212	190	169	23
	32	Mar17	Mar31	Apr13	Oct13	Oct31	Nov19	235	214	193	16
	28	Feb19	Mar09	Mar27	Nov03	Nov18	Dec04	277	254	231	10
MARION JUNCTION 2 NE	36	Mar23	Apr05	Apr17	Oct08	Oct24	Nov09	221	202	183	21
	32	Mar04	Mar22	Apr09	Oct25	Nov09	Nov23	254	231	208	15
	28	Feb07	Feb28	Mar21	Nov04	Nov21	Dec08	290	265	240	10
MOBILE RGNL AP	36	Feb22	Mar14	Apr03	Oct29	Nov15	Dec01	267	245	223	10
	32	Feb07	Feb28	Mar21	Nov08	Nov29	Dec19	302	273	244	6
	28	Jan20	Feb15	Mar13	Nov18	Dec16	Jan13	342	301	265	3
MONTGOMERY DANNELLY AP	36	Mar12	Mar31	Apr19	Oct15	Nov02	Nov20	241	215	188	16
	32	Feb24	Mar11	Mar26	Oct27	Nov12	Nov29	268	246	223	10
	28	Feb03	Feb23	Mar15	Nov12	Dec01	Dec20	310	280	250	6
MOULTON 2	36	Apr02	Apr16	Apr30	Oct04	Oct16	Oct29	197	183	169	24
	32	Mar22	Mar29	Apr18	Oct09	Oct25	Nov09	219	202	185	17
	28	Mar05	Mar22	Apr08	Oct25	Nov10	Nov26	255	232	209	11
MUSCLE SHOALS AP	36	Mar28	Apr10	Apr22	Oct07	Oct22	Nov05	211	194	177	24
	32	Mar15	Mar29	Apr12	Oct22	Nov06	Nov20	242	221	199	17
	28	Feb20	Mar13	Apr02	Nov04	Nov19	Dec03	277	250	224	10
ONEONTA	36	Apr02	Apr17	May01	Oct05	Oct15	Oct25	197	181	164	27
	32	Mar21	Apr05	Apr21	Oct09	Oct26	Nov13	226	203	181	20
	28	Mar02	Mar21	Apr09	Oct31	Nov14	Nov27	260	237	213	13
OPELIKA	36	Apr03	Apr18	May02	Oct08	Oct25	Nov10	211	189	167	23
	32	Mar13	Mar30	Apr16	Oct16	Nov04	Nov23	246	219	191	16
	28	Feb17	Mar13	Apr05	Oct28	Nov26	Dec25	288	254	224	10
ROBERTSDALE 5 NE	36	Mar05	Mar21	Apr06	Oct27	Nov11	Nov25	256	234	212	14
	32	Feb14	Mar04	Mar22	Nov03	Nov25	Dec16	291	265	239	8
	28	Jan26	Feb17	Mar11	Nov19	Dec10	Dec31	326	295	265	4
ROCKFORD 3 ESE	36	Mar30	Apr13	Apr28	Oct07	Oct23	Nov08	212	192	172	22
	32	Mar21	Apr05	Apr20	Oct13	Oct30	Nov17	231	208	185	16
	28	Feb25	Mar18	Apr08	Oct30	Nov13	Nov27	267	239	212	10
ROCK MILLS	36	Apr03	Apr16	Apr30	Oct01	Oct16	Oct30	201	182	162	29
	32	Mar15	Apr05	Apr26	Oct08	Oct27	Nov15	235	205	174	21
	28	Feb24	Mar18	Apr08	Oct24	Nov14	Dec05	274	241	207	12

RUSSELLVILLE NO 2	36	Apr08	Apr22	May07		Oct02	Oct12	Oct22	189	172	154	31
	32 Mar29	Mar13	Apr11	Apr25	Apr14	Oct07 Oct16	Oct25 Nov05	Nov13 Nov25	219 247	196 220	174 193	23 17
SAINT BERNARD	36	Apr09	Apr25	May11		Sep28	Oct09	Oct20	183	166	150	30
	32 Mar26	Mar10	Apr12	Apr29	Apr18	Oct06 Oct21	Oct19 Nov04	Nov02 Nov19	206 246	189 219	172 192	23 16
SAND MT SUBSTATION	36	Apr03	Apr16	Apr29		Oct03	Oct14	Oct24	196	180	163	27
	32 Mar22	Mar07	Apr04	Apr18	Apr09	Oct11 Oct24	Oct27 Nov10	Nov13 Nov27	227 255	205 231	184 207	20 13
SCOTTSBORO	36	Apr05	Apr21	May07		Oct04	Oct16	Oct29	199	177	156	30
	32 Mar24	Mar09	Apr10	Apr26	Apr11	Oct07 Oct19	Oct23 Nov05	Nov08 Nov23	218 246	196 224	174 202	22 16
SELMA	36	Mar11	Mar27	Apr13		Oct22	Nov07	Nov23	248	224	199	15
	32 Feb17	Jan27	Mar07	Mar26	Mar14	Nov03 Nov13	Nov18 Dec06	Dec03 Dec30	280 318	255 290	230 261	9 5
SYLACAUGA 4 NE	36	Apr06	Apr20	May04		Sep30	Oct12	Oct24	190	174	158	27
	32 Mar26	Mar02	Apr07	Apr19	Apr06	Oct08 Oct24	Oct25 Nov11	Nov12 Nov29	220 260	201 236	181 212	19 13
TALLADEGA	36	Apr08	Apr22	May07		Oct05	Oct17	Oct29	193	177	160	24
	32 Mar24	Mar03	Apr09	Apr25	Apr10	Oct11 Oct28	Oct29 Nov11	Nov15 Nov26	224 258	202 233	180 209	18 12
THOMASVILLE	36	Mar17	Mar31	Apr13		Oct17	Nov02	Nov18	236	216	196	19
	32 Mar01	Feb09	Mar17	Apr01	Mar20	Oct27 Nov09	Nov14 Nov29	Dec02 Dec18	267 300	242 272	216 245	13 7
THORSBY EXP STATION	36	Mar22	Apr06	Apr20		Oct11	Oct26	Nov10	220	203	185	21
	32 Mar09	Feb14	Mar24	Apr09	Mar22	Oct28 Nov04	Nov11 Nov23	Nov24 Dec11	253 288	231 263	208 238	14 9
TROY	36	Mar12	Mar29	Apr16		Oct25	Nov06	Nov19	245	221	198	16
	32 Feb26	Feb03	Mar15	Apr01	Mar16	Oct31 Nov13	Nov20 Dec04	Dec11 Dec26	273 311	250 283	226 255	10 5
TUSCALOOSA ACFD	36	Mar23	Apr07	Apr22		Oct12	Oct31	Nov19	229	206	182	19
	32 Mar02	Feb10	Mar21	Apr09	Mar20	Oct25 Nov07	Nov11 Nov24	Nov28 Dec11	261 290	235 267	208 244	13 7
UNION SPRINGS 9 S	36	Mar22	Apr04	Apr17		Oct14	Oct28	Nov12	227	207	186	20
	32 Mar03	Feb07	Mar23	Apr11	Mar16	Oct25 Nov08	Nov09 Nov24	Nov24 Dec09	256 296	230 270	205 245	14 8
VALLEY HEAD	36	Apr18	May05	May21		Sep24	Oct06	Oct18	175	153	132	34
	32 Apr04	Mar22	Apr21	May07	Apr21	Sep30 Oct05	Oct14 Oct25	Oct27 Nov13	197 224	175 201	154 178	27 20
VERNON 2 N	36	Apr05	Apr21	May08		Oct02	Oct12	Oct22	193	173	153	29
	32 Apr01	Mar16	Apr14	Apr27	Apr15	Oct05 Oct17	Oct21 Nov03	Nov06 Nov19	208 238	190 216	171 193	22 15
WHATLEY	36	Mar27	Apr10	Apr24		Oct08	Oct23	Nov08	212	195	179	19
	32 Feb13	Mar12	Mar29	Apr15	Apr01	Oct09 Oct28	Nov06 Nov21	Nov24 Dec15	252 289	221 257	190 224	14 8

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(percent of days with temperatures at or below the threshold temperature)

Freeze / Frost Occurrence Data

All probabilities in whole percent. See notes for probability level description.  
- Indicates the probability of occurrence of threshold temperatureis less than indicated probability.

State And Station Name	Thresh hold (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			Prob o b a b i l i t y  (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
Arkansas		Mar27 Mar12 Feb23	Apr10 Mar30 Mar16	Apr24 Apr16 Apr05	Oct01 Oct12 Oct30	Oct18 Oct30 Nov16	Nov04 Nov18 Dec03	213 239 269	190 214 245	167 189 221	26 19 12
ALICIA	36 32 28	Mar27 Mar12 Feb23	Apr10 Mar30 Mar16	Apr24 Apr16 Apr05	Oct01 Oct12 Oct30	Oct18 Oct30 Nov16	Nov04 Nov18 Dec03	213 239 269	190 214 245	167 189 221	
ALUM FORK	36 32 28	Mar30 Mar15 Feb22	Apr09 Mar31 Mar12	Apr19 Apr16 Mar31	Oct15 Oct25 Nov01	Oct28 Nov08 Nov17	Nov10 Nov22 Dec02	219 244 274	201 221 249	184 199 223	24 17 11
ARKADELPHIA 2 N	36 32 28	Mar31 Mar19 Feb21	Apr10 Apr01 Mar14	Apr19 Apr15 Apr04	Oct06 Oct13 Oct26	Oct21 Oct31 Nov14	Nov04 Nov18 Dec02	212 234 272	193 211 244	174 189 215	24 17 11
ARKANSAS POST	36 32 28	Mar14 Feb21 Feb06	Mar30 Mar14 Feb28	Apr14 Apr04 Mar22	Oct18 Oct26 Nov04	Nov01 Nov14 Nov25	Nov14 Dec04 Dec15	236 277 300	215 244 269	194 212 238	18 12 7
BATESVILLE LIVESTOCK	36 32 28	Apr01 Mar25 Mar08	Apr14 Apr07 Mar25	Apr28 Apr19 Apr11	Sep30 Oct12 Oct29	Oct13 Oct25 Nov12	Oct27 Nov07 Nov26	198 220 255	181 201 231	164 181 207	26 20 13
BATESVILLE L&D 1	36 32 28	Apr01 Mar25 Mar10	Apr17 Apr06 Mar25	May03 Apr19 Apr09	Sep29 Oct14 Oct27	Oct13 Oct27 Nov10	Oct27 Nov08 Nov25	197 222 252	178 203 230	159 184 207	28 21 15
BEEDEVILLE 4 NE	36 32 28	Mar26 Mar11 Feb19	Apr07 Mar27 Mar12	Apr20 Apr13 Apr02	Sep29 Oct18 Nov01	Oct17 Nov04 Nov18	Nov03 Nov21 Dec06	212 244 275	191 221 251	171 198 226	25 17 10
BENTON	36 32 28	Mar26 Mar16 Feb26	Apr11 Apr01 Mar17	Apr27 Apr17 Apr05	Oct04 Oct13 Oct25	Oct16 Oct30 Nov12	Oct29 Nov15 Nov30	209 236 267	187 211 239	166 185 211	25 18 12
BENTONVILLE 4 S	36 32 28	Apr14 Apr03 Mar17	Apr27 Apr16 Mar31	May09 Apr28 Apr14	Sep24 Oct01 Oct18	Oct07 Oct19 Nov02	Oct21 Nov05 Nov18	181 210 237	163 185 216	145 160 194	35 28 21
BLAKELY MOUNTAIN DAM	36 32 28	Apr07 Mar30 Mar12	Apr19 Apr09 Mar26	May01 Apr19 Apr10	Oct04 Oct16 Oct28	Oct14 Oct30 Nov12	Oct25 Nov13 Nov27	194 223 254	178 203 230	161 184 206	31 24 16
BLUE MOUNTAIN DAM	36 32 28	Mar31 Mar19 Feb26	Apr12 Apr02 Mar17	Apr23 Apr17 Apr04	Oct05 Oct17 Nov02	Oct20 Nov03 Nov15	Nov04 Nov19 Nov29	209 238 268	190 214 243	172 189 218	28 21 13
BLVTHEVILLE	36 32 28	Mar24 Mar08 Feb15	Apr04 Mar24 Mar06	Apr15 Apr08 Mar25	Oct15 Oct26 Nov03	Oct31 Nov12 Nov24	Nov15 Nov30 Dec15	226 258 290	209 233 262	191 208 234	24 16 10
BRINKLEY	36 32 28	Mar23 Mar10 Feb14	Apr03 Mar26 Mar06	Apr14 Apr11 Mar27	Oct11 Oct25 Nov06	Oct25 Nov09 Nov23	Nov09 Nov25 Dec10	224 251 287	205 228 261	185 204 234	25 18 10
CABOT 4 SW	36 32 28	Apr03 Mar21 Mar01	Apr15 Apr03 Mar20	Apr27 Apr17 Apr08	Oct05 Oct17 Oct22	Oct17 Oct30 Nov08	Oct29 Nov12 Nov25	200 229 262	184 209 232	167 189 203	25 18 12

CALICO ROCK 2 WSW	36 32 28	Apr15 Apr05 Mar28	May01 Apr19 Apr08	May17 May03 Apr19	Sep20 Sep29 Oct14	Oct02 Oct15 Oct29	Oct14 Oct31 Nov14	177 200 223	154 178 204	132 157 184	35 28 20
CAMDEN 1	36 32 28	Mar24 Mar11 Feb12	Apr05 Mar27 Mar06	Apr16 Apr11 Mar29	Oct09 Oct22 Nov02	Oct25 Nov07 Nov19	Nov10 Nov22 Dec06	224 245 287	203 224 257	181 203 226	24 17 10
CLARENDON	36 32 28	Mar16 Mar03 Feb17	Apr02 Mar23 Mar07	Apr19 Apr12 Mar25	Oct07 Oct19 Nov03	Oct22 Nov04 Nov20	Nov06 Nov20 Dec07	224 254 282	202 225 257	180 196 232	23 16 9
CONWAY	36 32 28	Mar28 Mar16 Feb23	Apr10 Mar31 Mar15	Apr22 Apr14 Apr04	Oct05 Oct22 Oct28	Oct21 Nov05 Nov15	Nov05 Nov18 Dec03	215 239 273	194 218 244	172 197 215	24 18 11
CORNING	36 32 28	Mar30 Mar16 Mar06	Apr14 Mar21 Mar04	Apr30 Apr15 Apr04	Sep30 Oct14 Oct27	Oct14 Oct29 Nov13	Oct28 Nov13 Nov30	206 233 260	182 211 236	158 189 213	27 20 13
CROSSETT 2 SSE	36 32 28	Mar31 Mar22 Feb26	Apr11 Apr04 Mar17	Apr23 Apr18 Apr05	Sep30 Oct10 Oct23	Oct16 Oct27 Nov11	Nov01 Nov13 Dec01	205 227 270	187 205 239	168 183 208	27 20 13
DARDANELLE	36 32 28	Apr02 Mar21 Feb28	Apr14 Apr02 Mar18	Apr26 Apr15 Apr05	Oct02 Oct19 Oct27	Oct17 Nov02 Nov14	Oct31 Nov16 Dec02	202 232 267	185 213 240	167 194 214	26 19 12
DEQUEEN	36 32 28	Mar28 Mar15 Feb24	Apr11 Mar30 Mar15	Apr24 Apr14 Apr03	Oct06 Oct19 Oct28	Oct22 Nov04 Nov14	Nov06 Nov20 Dec02	217 239 273	193 218 244	170 197 214	26 20 13
DERMOTT 3 NE	36 32 28	Mar23 Mar06 Feb06	Apr06 Mar23 Mar03	Apr21 Apr10 Mar28	Oct07 Oct17 Nov02	Oct21 Nov04 Nov20	Nov05 Nov23 Dec09	214 253 291	197 226 262	180 198 232	21 14 8
DES ARC	36 32 28	Mar21 Mar04 Feb10	Apr03 Mar23 Mar04	Apr16 Apr11 Mar25	Oct14 Oct23 Nov07	Oct29 Nov10 Nov25	Nov14 Nov27 Dec14	230 258 295	209 231 266	187 204 237	22 15 9
DUMAS	36 32 28	Mar21 Feb23 Feb05	Apr03 Mar13 Feb26	Apr15 Mar31 Mar20	Oct19 Oct27 Nov08	Nov03 Nov13 Nov25	Nov17 Nov29 Dec12	230 270 300	213 244 271	196 219 242	18 12 7
EL DORADO S AZ RGNL AP	36 32 28	Mar24 Mar13 Feb17	Apr06 Mar28 Mar11	Apr18 Apr12 Apr01	Oct11 Oct22 Nov02	Oct26 Nov07 Nov18	Nov11 Nov23 Dec04	223 247 282	203 223 251	183 200 221	21 15 9
EUDORA	36 32 28	Mar11 Feb23 Feb04	Mar29 Mar15 Feb25	Apr15 Apr05 Mar17	Oct17 Oct27 Nov08	Nov03 Nov13 Nov28	Nov20 Nov30 Dec18	246 273 302	219 242 275	191 211 249	19 12 7
EUREKA SPRINGS 3 WNW	36 32 28	Apr02 Mar28 Mar10	Apr17 Apr09 Mar25	May01 Apr21 Apr09	Oct02 Oct16 Oct26	Oct17 Oct30 Nov12	Nov01 Nov13 Nov30	205 222 255	182 203 232	159 184 209	28 21 14
EVENING SHADE 1 NNE	36 32 28	Apr14 Mar29 Mar21	Apr28 Apr16 Apr03	May12 May03 Apr16	Sep24 Sep27 Oct13	Oct05 Oct11 Oct26	Oct16 Oct25 Nov08	177 197 226	159 177 205	141 158 185	33 26 19
FAYETTEVILLE EXP STN	36 32 28	Apr08 Mar26 Mar14	Apr23 Apr10 Mar29	May08 Apr25 Apr13	Sep25 Oct07 Oct19	Oct10 Oct24 Nov06	Oct25 Nov09 Nov25	192 220 242	169 196 222	145 172 201	31 24 17
FORDYCE	36 32 28	Mar28 Mar13 Feb16	Apr09 Mar29 Mar10	Apr21 Apr13 Apr01	Oct10 Oct18 Oct26	Oct23 Nov03 Nov15	Nov06 Nov19 Dec04	214 243 279	196 219 249	179 195 219	25 18 12
FORT SMITH RGNL AP	36 32 28	Apr02 Mar18 Feb27	Apr14 Mar31 Mar19	Apr25 Apr14 Apr07	Oct03 Oct18 Oct29	Oct17 Oct31 Nov13	Nov01 Nov13 Nov29	206 233 265	186 213 239	166 192 213	27 20 13
GILBERT	36 32 28	Apr16 Apr07 Mar28	Apr30 Apr20 Apr10	May14 May03 Apr23	Sep20 Sep29 Oct07	Oct03 Oct12 Oct25	Oct16 Oct25 Nov12	173 194 222	155 174 198	136 153 174	35 28 21



GRAVETTE	36 32 28	Apr12 Mar29 Mar19	Apr27 Apr14 Apr02	May11 May01 Apr16	Sep21 Sep26 Oct10	Oct06 Oct15 Oct29	Oct20 Nov03 Nov18	181 207 230	161 183 210	142 159 189	30 23 17
GREENBRIER	36 32 28	Apr07 Mar27 Mar07	Apr19 Apr08 Mar24	May01 Apr21 Apr10	Sep28 Oct05 Oct19	Oct10 Oct21 Nov03	Oct21 Nov06 Nov17	190 217 247	173 195 223	155 173 199	29 23 16
GREERS FERRY DAM	36 32 28	Apr03 Mar21 Mar07	Apr16 Apr03 Mar21	Apr29 Apr16 Apr05	Oct08 Oct18 Oct30	Oct21 Nov03 Nov16	Nov03 Nov19 Dec02	206 235 264	188 213 239	169 192 214	30 23 16
HARRISON BOONE CO AP	36 32 28	Mar31 Mar23 Mar07	Apr14 Apr04 Mar23	Apr27 Apr17 Apr08	Sep30 Oct11 Oct24	Oct17 Oct29 Nov13	Nov03 Nov17 Dec03	204 230 260	185 207 234	167 185 207	29 22 15
HELENA	36 32 28	Mar22 Mar04 Feb08	Apr04 Mar21 Mar02	Apr17 Apr07 Mar25	Oct18 Oct27 Nov03	Nov01 Nov13 Nov22	Nov15 Nov29 Dec10	231 264 292	211 236 264	190 208 235	23 16 10
HOPE 3 NE	36 32 28	Mar27 Mar13 Feb19	Apr07 Mar29 Mar11	Apr17 Apr13 Apr01	Oct07 Oct23 Nov01	Oct24 Nov07 Nov18	Nov09 Nov21 Dec05	216 245 280	199 222 250	183 200 221	26 19 12
HOT SPRINGS 1 NINE	36 32 28	Mar26 Mar08 Feb13	Apr06 Mar26 Mar08	Apr18 Apr12 Apr01	Oct14 Oct25 Nov01	Oct30 Nov08 Nov22	Nov14 Nov22 Dec12	226 249 288	205 227 257	185 204 227	24 17 10
JONESBORO 4 N	36 32 28	Mar29 Mar15 Feb25	Apr10 Mar29 Mar14	Apr21 Apr13 Mar30	Oct05 Oct24 Oct29	Oct20 Nov04 Nov15	Nov03 Nov15 Dec03	209 235 270	193 219 246	176 203 222	26 18 12
KEISER	36 32 28	Mar30 Mar18 Feb25	Apr12 Mar31 Mar14	Apr24 Apr13 Mar30	Sep30 Oct15 Oct28	Oct15 Nov01 Nov15	Oct31 Nov17 Dec04	203 236 272	186 214 246	169 193 220	27 20 12
KEO	36 32 28	Mar20 Mar05 Feb08	Apr02 Mar21 Mar01	Apr15 Apr05 Mar22	Oct17 Oct28 Nov07	Nov01 Nov13 Nov26	Nov15 Nov28 Dec14	228 259 298	212 236 269	195 213 240	20 14 8
LEAD HILL	36 32 28	Apr13 Apr03 Mar22	Apr30 Apr18 Apr06	May17 May02 Apr21	Sep21 Sep25 Oct09	Oct06 Oct13 Oct30	Oct21 Oct31 Nov21	183 204 236	159 178 207	134 151 177	33 26 19
LEOLA	36 32 28	Apr02 Mar22 Mar05	Apr14 Apr04 Mar22	Apr26 Apr17 Apr07	Oct03 Oct10 Oct22	Oct15 Oct27 Nov10	Oct27 Nov13 Nov29	197 226 258	184 206 233	171 186 208	25 18 12
LITTLE ROCK ADAMS AP	36 32 28	Mar24 Mar05 Feb11	Apr04 Mar22 Mar05	Apr16 Apr09 Mar26	Oct19 Oct29 Nov07	Nov01 Nov12 Nov23	Nov14 Nov27 Dec10	229 257 292	210 234 263	191 211 234	22 15 9
MAGNOLIA	36 32 28	Mar25 Mar13 Feb19	Apr07 Mar30 Mar15	Apr19 Apr15 Apr07	Oct04 Oct18 Nov01	Oct19 Nov05 Nov15	Nov04 Nov23 Dec01	214 247 282	195 220 245	176 193 216	21 15 9
MALVERN	36 32 28	Apr01 Mar19 Mar02	Apr13 Apr02 Mar20	Apr25 Apr16 Apr08	Oct02 Oct20 Oct30	Oct18 Nov04 Nov16	Nov03 Nov18 Dec03	210 236 269	187 215 240	164 194 211	26 19 13
MAMMOTH SPRING	36 32 28	Apr11 Apr03 Mar24	Apr28 Apr18 Apr05	May14 May03 Apr17	Sep21 Oct01 Oct11	Oct03 Oct14 Oct26	Oct16 Oct27 Nov09	178 198 221	158 178 203	138 158 185	35 28 21
MARIANNA 2 S	36 32 28	Mar24 Mar08 Feb14	Apr06 Mar25 Mar08	Apr18 Apr10 Mar30	Oct07 Oct20 Nov02	Oct21 Nov04 Nov21	Nov03 Nov19 Dec09	214 249 286	197 224 257	180 199 228	24 17 10
MARSHALL	36 32 28	Apr02 Mar23 Feb15	Apr18 Apr09 Mar21	May04 Apr26 Apr23	Sep23 Oct07 Oct21	Oct09 Oct22 Nov10	Oct25 Nov05 Nov29	196 216 273	173 195 234	150 174 194	30 23 16
MENA	36 32 28	Mar31 Mar23 Feb27	Apr15 Apr04 Mar21	Apr29 Apr17 Apr11	Oct02 Oct17 Oct25	Oct17 Nov01 Nov11	Nov02 Nov16 Nov28	207 233 264	185 210 235	164 186 206	28 22 14

MONTICELLO 3 SW	36	Mar28	Apr11	Apr26	Oct01	Oct18	Nov03	214	188	163	24
	32	Mar18	Apr01	Apr15	Oct10	Oct31	Nov22	233	213	192	17
	28	Feb24	Mar16	Apr05	Oct26	Nov17	Dec10	274	246	217	11
MORRILTON	36	Mar28	Apr11	Apr25	Sep30	Oct17	Nov03	214	189	164	27
	32	Mar17	Apr01	Apr16	Oct16	Oct31	Nov15	236	213	190	20
	28	Feb25	Mar15	Apr02	Oct21	Nov09	Nov27	267	238	209	13
MOUNT IDA 3 SE	36	Apr11	Apr26	May10	Sep22	Oct06	Oct19	180	162	145	33
	32	Apr01	Apr12	Apr24	Oct02	Oct16	Oct31	202	186	171	27
	28	Mar17	Mar30	Apr13	Oct19	Nov01	Nov14	235	215	195	19
MOUNTAIN HOME 1 NNW	36	Apr02	Apr16	Apr30	Sep29	Oct13	Oct27	201	179	158	31
	32	Mar21	Apr05	Apr20	Oct07	Oct25	Nov12	226	202	179	24
	28	Mar10	Mar26	Apr10	Oct22	Nov09	Nov26	251	228	204	17
MOUNTAIN VIEW	36	Apr06	Apr21	May06	Sep24	Oct07	Oct20	186	168	150	32
	32	Mar30	Apr12	Apr26	Oct03	Oct18	Nov01	206	188	169	25
	28	Mar14	Mar29	Apr13	Oct19	Nov05	Nov22	243	220	198	18
MURFREESBORO 5 SW	36	Mar31	Apr10	Apr19	Oct04	Oct21	Nov07	215	194	172	28
	32	Mar16	Mar31	Apr16	Oct25	Nov06	Nov19	238	220	201	21
	28	Mar03	Mar20	Apr07	Oct30	Nov16	Dec04	266	240	215	14
NASHVILLE	36	Mar30	Apr10	Apr21	Oct13	Oct28	Nov11	219	200	181	24
	32	Mar16	Mar30	Apr14	Oct23	Nov10	Nov27	248	224	199	17
	28	Feb28	Mar18	Apr05	Oct27	Nov18	Dec10	270	244	218	11
NEWPORT	36	Mar19	Apr03	Apr17	Oct13	Oct26	Nov09	228	206	184	25
	32	Mar06	Mar23	Apr08	Oct23	Nov08	Nov24	253	230	207	17
	28	Feb15	Mar06	Mar25	Nov02	Nov20	Dec09	285	259	233	11
NIMROD DAM	36	Mar28	Apr12	Apr28	Oct06	Oct20	Nov03	210	190	170	30
	32	Mar17	Apr01	Apr15	Oct14	Oct31	Nov17	237	213	189	23
	28	Mar05	Mar22	Apr09	Oct25	Nov12	Nov30	259	234	209	16
PINE BLUFF	36	Mar20	Apr03	Apr16	Oct16	Oct31	Nov16	234	211	189	22
	32	Feb26	Mar16	Apr03	Oct25	Nov12	Nov29	265	240	214	15
	28	Feb06	Feb28	Mar21	Nov05	Nov25	Dec16	298	270	242	9
POCAHONTAS 1	36	Mar30	Apr14	Apr30	Oct05	Oct17	Oct29	202	185	168	28
	32	Mar17	Apr02	Apr17	Oct14	Oct31	Nov16	229	211	193	21
	28	Mar06	Mar21	Apr05	Oct29	Nov14	Nov30	260	237	215	14
PORTLAND	36	Mar20	Apr02	Apr14	Oct12	Oct29	Nov15	230	210	190	20
	32	Feb25	Mar18	Apr07	Oct26	Nov12	Nov28	267	238	210	13
	28	Feb04	Feb26	Mar21	Nov04	Nov23	Dec11	298	268	239	8
PRESCOTT	36	Mar24	Apr04	Apr15	Oct13	Oct29	Nov14	225	207	189	21
	32	Mar09	Mar24	Apr09	Oct25	Nov09	Nov25	251	229	207	14
	28	Feb13	Mar06	Mar28	Oct31	Nov21	Dec12	292	259	226	9
ROHWER 2 NNE	36	Mar21	Apr02	Apr15	Oct06	Oct24	Nov10	222	203	185	22
	32	Mar03	Mar20	Apr06	Oct16	Nov04	Nov22	256	229	201	15
	28	Feb07	Mar02	Mar24	Nov01	Nov19	Dec07	293	262	231	9
SAINT CHARLES	36	Mar20	Apr02	Apr15	Oct15	Oct29	Nov12	228	209	191	23
	32	Feb28	Mar21	Apr10	Oct21	Nov06	Nov22	257	229	202	16
	28	Feb06	Mar01	Mar24	Nov03	Nov21	Dec10	292	264	236	9
SEARCY	36	Mar30	Apr12	Apr25	Oct04	Oct18	Nov02	210	188	167	26
	32	Mar22	Apr03	Apr16	Oct17	Oct30	Nov11	228	209	190	19
	28	Mar03	Mar19	Apr03	Oct28	Nov13	Nov29	261	239	217	12
SPARKMAN	36	Mar23	Apr08	Apr23	Oct01	Oct17	Nov03	216	192	168	26
	32	Mar07	Mar28	Apr18	Oct14	Nov02	Nov21	251	219	186	18
	28	Feb18	Mar11	Apr01	Oct26	Nov16	Dec06	281	249	217	11
STUTTGART 9 ESE	36	Mar14	Apr01	Apr20	Oct12	Oct27	Nov10	228	208	188	22
	32	Feb28	Mar20	Apr09	Oct23	Nov09	Nov26	258	234	209	15
	28	Feb07	Mar01	Mar22	Nov08	Nov25	Dec12	296	269	241	8
SUBIACO	36	Mar29	Apr10	Apr22	Oct08	Oct23	Nov08	213	196	179	23
	32	Mar14	Mar28	Apr12	Oct20	Nov05	Nov21	246	221	196	17
	28	Feb23	Mar14	Apr01	Nov01	Nov16	Dec01	273	247	220	11

TEXARKANA WEBB FIELD	36 32 28	Mar11 Feb18 Jan29	Mar28 Mar13 Feb24	Apr15 Apr06 Mar21		Oct22 Oct31 Nov07	Nov04 Nov16 Nov30	Nov17 Dec02 Dec23	245 279 313	220 247 279	194 214 244	17 10 6
WALDRON	36 32 28	Apr07 Mar27 Mar12	Apr20 Apr07 Mar27	May03 Apr19 Apr11		Sep22 Oct02 Oct15	Oct08 Oct20 Nov03	Oct23 Nov08 Nov22	190 219 246	170 195 220	150 171 194	28 22 15
WARREN 2 WSW	36 32 28	Mar23 Mar11 Feb14	Apr04 Mar26 Mar07	Apr16 Apr13 Mar27		Oct12 Oct23 Nov01	Oct27 Nov08 Nov19	Nov10 Nov23 Dec07	223 248 287	205 226 256	187 204 226	23 16 10
WEST MEMPHIS	36 32 28	Mar27 Mar11 Feb18	Apr09 Mar27 Mar10	Apr23 Apr13 Mar29		Oct04 Oct20 Nov04	Oct20 Nov06 Nov21	Nov06 Nov23 Dec08	213 247 279	193 223 255	173 199 231	23 16 10
WYNNNE	36 32 28	Mar28 Mar18 Feb20	Apr09 Mar31 Mar12	Apr21 Apr14 Apr02		Sep29 Oct13 Oct29	Oct14 Oct29 Nov15	Oct29 Nov15 Dec02	205 230 274	187 212 247	170 193 221	24 17 11

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 (Aug 1 - Jul 31).  
(percent of days with temperatures at or below the threshold temperature)

Freeze / Frost Occurrence Data

All probabilities in whole percent. See notes for probability level description.  
- Indicates the probability of occurrence of threshold temperatureis less than indicated probability.

State And Station Name	Thresh hold (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			Prob abil ity  (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
Arizona		90	50	10	10	50	90	10	50	90	
AGUILA	36 32 28	Mar23 Feb20 Jan02	Apr14 Mar21 Feb14	May06 Apr18 Mar24	Oct19 Oct30 Nov13	Nov03 Nov16 Nov28	Nov17 Dec04 Dec15	231 275 >365	202 240 287	173 205 245	23 12 5
AJO	36 32 28	- - -	Feb07 Jan11 Dec08	Mar11 Feb11 Jan25	Nov08 Nov19 Dec06	Dec06 Dec19 Jan07	- - -	>365 >365 >365	297 347 >365	249 288 319	4 1 0
ALPINE	36 32 28	Jun19 Jun09 May30	Jul04 Jun23 Jun16	Jul18 Jul07 Jul04	Aug11 Aug27 Sep17	Aug30 Sep13 Sep27	Sep18 Oct01 Oct07	82 106 122	57 82 102	32 58 82	73 64 54
ANVIL RANCH	36 32 28	Apr03 Mar07 Feb09	Apr19 Mar29 Mar07	May05 Apr19 Apr02	Oct14 Oct21 Nov04	Oct30 Nov06 Nov21	Nov15 Nov22 Dec08	217 248 287	193 222 258	169 196 229	23 14 7
BAGDAD	36 32 28	Mar18 Mar01 Jan28	Apr22 Apr09 Mar12	May28 May18 Apr23	Oct04 Oct09 Oct25	Oct30 Nov09 Nov27	Nov26 Dec10 Dec30	247 275 326	190 213 259	134 151 193	28 18 10
BARTLETT DAM	36 32 28	Jan28 - -	Mar03 Jan23 -	Apr06 Mar08 Feb03	Nov12 Nov19 Dec10	Dec04 Dec19 -	Dec26 - -	314 >365 >365	275 330 >365	236 280 324	6 2 1
BEAVER CREEK RANGER STN	36 32 28	Mar26 Mar08 Feb11	Apr22 Apr03 Mar12	May19 Apr30 Apr11	Oct12 Oct21 Oct31	Oct25 Nov03 Nov14	Nov06 Nov17 Nov28	216 244 276	185 213 246	154 182 215	31 21 11
BEAVER DAM	36 32 28	Mar14 Feb26 Feb02	Apr08 Mar25 Mar01	May03 Apr21 Mar29	Oct18 Oct24 Nov07	Nov02 Nov09 Nov22	Nov16 Nov26 Dec07	236 260 294	207 229 265	178 198 236	23 14 7
BETATAKIN	36 32 28	May15 May03 Apr20	May30 May15 May03	Jun13 May28 May16	Sep18 Sep25 Oct08	Oct05 Oct14 Oct23	Oct22 Nov01 Nov06	151 172 193	128 151 172	105 129 152	48 41 31
BLACK RIVER PUMPS	36 32 28	May08 Apr29 Apr10	May23 May14 Apr29	Jun07 May29 May18	Sep26 Oct06 Oct12	Oct11 Oct19 Oct25	Oct27 Oct31 Nov07	162 176 203	141 157 178	119 138 154	52 44 33
BLUE RIDGE RANGER STN	36 32 28	Jun07 May30 May07	Jun22 Jun11 May24	Jul06 Jun24 Jun10	Aug29 Sep03 Sep16	Sep15 Sep21 Oct05	Oct02 Oct08 Oct24	110 123 156	85 101 133	60 78 110	62 54 45
BOUSE	36 32 28	Feb23 Feb02 Jan02	Mar20 Mar02 Feb04	Apr13 Mar30 Mar07	Oct27 Nov08 Nov11	Nov11 Nov22 Dec05	Nov25 Dec06 Dec30	264 298 354	235 265 304	206 232 266	16 8 4
BOWIE	36 32 28	Mar28 Mar15 Feb07	Apr18 Apr02 Mar07	May09 Apr21 Apr04	Oct12 Oct22 Oct29	Oct28 Nov05 Nov17	Nov14 Nov19 Dec05	222 236 284	193 216 254	164 197 224	27 17 8
BRIGHT ANGEL R S	36 32 28	Jun12 May28 May07	Jun28 Jun15 May29	Jul14 Jul03 Jun19	Aug13 Aug31 Sep19	Sep03 Sep18 Oct04	Sep24 Oct05 Oct20	97 121 156	66 94 128	36 68 99	68 59 48

BUCKEYE	36 32 28	Feb10 Jan17 -	Mar10 Feb14 Jan11	Apr07 Mar15 Feb16		Nov02 Nov10 Nov21	Nov16 Nov30 Dec19	Dec01 Dec21 -	283 318 >365	250 288 342	218 258 290	12 5 2
CANELO 1 NW	36 32 28	Apr27 Apr13 Mar27	May14 Apr30 Apr16	May30 May16 May06		Oct08 Oct11 Oct24	Oct20 Oct25 Nov05	Nov01 Nov07 Nov18	180 199 225	159 177 203	138 156 180	38 28 18
CANYON DE CHELLY	36 32 28	May07 Apr14 Apr06	May30 May08 Apr28	Jun21 Jun02 May20		Sep15 Sep20 Sep26	Sep29 Oct06 Oct15	Oct12 Oct21 Nov03	148 182 205	121 150 169	94 117 134	49 41 32
CAREFREE	36 32 28	Jan20 Dec22 -	Mar02 Feb06 Dec28	Apr13 Mar20 Feb12		Nov01 Nov18 Nov30	Nov23 Dec13 Jan06	Dec16 Jan14 -	317 >365 >365	265 306 >365	213 261 311	6 2 1
CASA GRANDE	36 32 28	Feb10 Jan16 Dec18	Mar16 Feb22 Jan26	Apr19 Mar31 Feb26		Oct26 Nov07 Nov19	Nov14 Nov25 Dec14	Dec04 Dec14 Jan15	284 319 >365	242 276 318	200 232 285	14 6 2
CASA GRANDE NATL MONUMINT	36 32 28	Mar05 Feb17 Jan07	Apr02 Mar15 Feb09	Apr29 Apr10 Mar13		Oct23 Nov03 Nov11	Nov08 Nov18 Dec02	Nov24 Dec04 Dec23	252 282 331	219 247 294	186 212 261	19 11 4
CASCABEL	36 32 28	Apr18 Apr05 Mar08	May06 Apr23 Apr04	May24 May11 Apr30		Oct10 Oct15 Oct25	Oct24 Oct31 Nov09	Nov07 Nov16 Nov24	188 215 250	170 190 218	152 166 186	32 22 12
CASTLE HOT SPRINGS	36 32 28	Jan31 Dec30 -	Mar07 Feb06 Dec20	Apr11 Mar15 Feb08		Nov06 Nov11 Dec05	Nov25 Dec13 Jan22	Dec15 Jan17 -	304 >365 >365	263 306 >365	221 254 315	7 3 1
CHANDLER HEIGHTS	36 32 28	Feb13 Jan12 -	Mar15 Feb14 Jan15	Apr13 Mar19 Feb21		Nov01 Nov12 Dec04	Nov18 Nov29 Dec26	Dec05 Dec17 -	284 325 >365	247 287 359	211 249 302	10 4 1
CHEVELON R S	36 32 28	May27 May11 Apr28	Jun08 May27 May14	Jun21 Jun11 May31		Sep07 Sep21 Sep28	Sep23 Oct06 Oct16	Oct08 Oct21 Nov02	127 151 178	105 132 154	84 112 129	54 45 35
CHILDS	36 32 28	Mar20 Feb18 Jan19	Apr22 Mar30 Feb28	May25 May08 Apr09		Oct19 Oct28 Nov10	Nov02 Nov15 Nov28	Nov16 Dec03 Dec17	234 270 319	194 229 273	154 189 227	27 15 6
CHINO VALLEY	36 32 28	May03 Apr14 Mar27	May20 May04 Apr20	Jun06 May25 May14		Sep24 Oct07 Oct13	Oct08 Oct21 Oct29	Oct21 Nov04 Nov14	163 193 221	140 169 192	118 146 162	48 39 29
CHIRICAHUA NATL MONUMENT	36 32 28	Apr21 Apr08 Mar11	May10 Apr29 Apr07	May29 May19 May04		Oct09 Oct19 Oct29	Oct24 Nov02 Nov12	Nov09 Nov16 Nov27	187 209 242	167 187 219	146 164 195	32 22 12
CLIFTON	36 32 28	Mar08 Feb11 Jan10	Apr05 Mar18 Feb17	May02 Apr21 Mar27		Oct22 Nov04 Nov10	Nov08 Nov20 Nov30	Nov24 Dec06 Dec19	254 288 330	216 246 285	178 205 239	24 15 6
COLORADO CITY	36 32 28	Apr29 Apr11 Mar27	May16 May04 Apr17	Jun03 May27 May08		Sep26 Oct04 Oct12	Oct11 Oct20 Oct28	Oct26 Nov05 Nov14	173 195 223	147 168 193	121 141 164	41 32 23
CORDES	36 32 28	Apr07 Mar15 Feb07	Apr29 Apr10 Mar13	May20 May05 Apr16		Oct17 Oct29 Nov02	Nov01 Nov11 Nov24	Nov17 Nov23 Dec16	214 243 298	186 214 255	159 186 212	26 15 6
CORONADO N M HDQTRS	36 32 28	Apr12 Mar29 Mar04	Apr27 Apr17 Mar29	May12 May05 Apr23		Oct15 Oct22 Oct26	Oct29 Nov05 Nov16	Nov12 Nov19 Dec07	204 226 262	184 202 231	165 177 201	26 17 9
DOUGLAS BISBEE INTL AP	36 32 28	Apr08 Mar25 Mar03	Apr25 Apr11 Mar28	May12 Apr27 Apr21		Oct14 Oct24 Oct31	Oct26 Nov04 Nov13	Nov07 Nov14 Nov27	203 225 259	183 206 230	164 187 201	31 21 13
DUNCAN	36 32 28	Apr27 Apr17 Apr02	May16 May03 Apr22	Jun05 May19 May11		Oct01 Oct08 Oct12	Oct15 Oct22 Oct28	Oct28 Nov04 Nov13	172 191 213	150 171 189	129 151 165	44 36 27

ELOY 4 NE	36 32 28	Feb23 Jan21 -	Mar23 Feb27 Feb01	Apr19 Apr05 Mar08	Oct21 Oct31 Nov15	Nov12 Nov25 Dec08	Dec05 Dec20 -	276 315 >365	234 268 306	193 226 267	15 7 3
FLAGSTAFF PULLIAM AP	36 32 28	Jun07 May27 May11	Jun22 Jun09 May29	Jul07 Jun23 Jun17	Aug24 Sep11 Sep24	Sep11 Sep22 Oct08	Sep29 Oct04 Oct22	106 120 155	80 104 131	54 89 107	65 57 46
FLORENCE	36 32 28	Feb13 Jan15 -	Mar18 Feb18 Jan16	Apr20 Mar23 Feb24	Nov01 Nov12 Nov25	Nov17 Dec01 Dec20	Dec03 Dec20 -	281 325 >365	243 286 338	205 246 287	11 4 1
FORT THOMAS 2 SW	36 32 28	Apr06 Mar20 Feb24	Apr26 Apr13 Mar22	May17 May07 Apr16	Oct10 Oct18 Oct22	Oct25 Nov02 Nov10	Nov09 Nov16 Nov29	207 233 266	181 202 233	155 171 199	32 24 14
FORT VALLEY	36 32 28	Jun27 Jun20 Jun04	Jul10 Jul04 Jun22	Jul22 Jul17 Jun09	Aug04 Aug10 Aug28	Aug22 Sep02 Sep15	Sep09 Sep24 Oct03	63 88 113	43 59 85	23 30 56	77 70 60
GANADO	36 32 28	May19 May06 Apr23	Jun05 May23 May09	Jun21 Jun09 May25	Sep14 Sep22 Oct07	Sep25 Oct05 Oct19	Oct07 Oct18 Oct31	132 153 179	112 134 162	92 114 146	55 47 38
GILA BEND	36 32 28	Jan23 Dec24 -	Feb22 Jan27 Dec31	Mar24 Feb22 Feb15	Nov09 Nov14 Dec07	Nov29 Dec14 Jan04	Dec19 Jan21 -	313 >365 >365	279 319 >365	246 282 312	7 2 1
GREER	36 32 28	Jun07 May20 May10	Jun17 Jun05 May27	Jun27 Jun22 Jun13	Sep01 Sep17 Sep28	Sep17 Sep29 Oct10	Oct03 Oct11 Oct22	109 135 155	91 115 135	73 94 115	64 56 45
HAPPY JACK RANGER STN	36 32 28	Jun07 May26 May10	Jun22 Jun10 May26	Jul07 Jun25 Jun12	Aug20 Sep09 Sep24	Sep08 Sep24 Oct09	Sep28 Oct10 Oct24	104 128 156	78 106 135	51 84 114	65 56 46
HEBER RANGER STN	36 32 28	Jun03 May22 May03	Jun19 Jun05 May23	Jul06 Jun20 Jun12	Sep03 Sep16 Sep24	Sep18 Oct01 Oct11	Oct02 Oct16 Oct28	114 138 168	90 117 140	65 96 113	59 51 40
HOLBROOK	36 32 28	May01 Apr18 Apr03	May24 May08 Apr26	Jun15 May28 May19	Sep19 Sep26 Oct05	Oct03 Oct13 Oct23	Oct18 Oct30 Nov11	159 186 213	132 157 180	105 128 146	50 42 33
JEROME	36 32 28	Mar29 Mar19 Jan31	Apr20 Apr09 Mar08	May12 May01 Apr14	Oct16 Oct28 Nov08	Nov02 Nov16 Dec03	Nov19 Dec05 Dec28	222 251 320	195 220 267	168 189 218	23 13 6
KEAMS CANYON	36 32 28	May19 May06 Apr23	Jun06 May25 May08	Jun24 Jun13 May24	Sep14 Sep19 Oct02	Sep28 Oct05 Oct19	Oct11 Oct21 Nov05	135 159 188	113 132 163	91 106 138	55 47 37
KITT PEAK	36 32 28	Apr18 Apr03 Mar22	May08 Apr23 Apr11	May28 May13 Apr30	Oct08 Oct19 Oct27	Oct26 Nov06 Nov14	Nov14 Nov25 Dec02	199 218 243	171 196 217	143 175 191	27 18 10
KOFA MINE	36 32 28	- - -	Jan19 - -	Mar08 Feb02 Dec31	Nov19 Dec17 Jan24	Dec30 - -	- - -	>365 >365 >365	344 >365 >365	276 322 >365	1 0 0
LAVEEN 3 SSE	36 32 28	Feb06 Dec25 -	Mar06 Feb01 Jan07	Apr02 Mar08 Feb18	Nov09 Nov11 Nov24	Nov25 Dec09 Jan05	Dec10 Jan14 -	295 >365 >365	263 304 >365	231 261 291	8 4 1
LEES FERRY	36 32 28	Mar14 Feb19 Jan29	Apr09 Mar22 Mar06	May05 Apr23 Apr11	Oct14 Oct23 Nov02	Oct30 Nov07 Nov19	Nov14 Nov23 Dec05	237 269 301	203 229 257	169 189 212	31 23 14
LITCHFIELD PARK	36 32 28	Feb04 Jan15 -	Mar10 Feb12 Jan10	Apr12 Mar13 Feb16	Nov01 Nov15 Nov28	Nov18 Dec01 Dec30	Dec04 Dec17 -	297 323 >365	253 291 358	208 259 301	11 5 1
LUKACHUKAI	36 32 28	May11 Apr24 Apr09	May29 May15 Apr28	Jun16 Jun06 May18	Sep12 Sep18 Oct03	Sep30 Oct10 Oct21	Oct19 Nov01 Nov08	151 181 202	123 147 175	96 113 147	49 41 32

MARICOPA 4 N	36 32 28	Mar02 Feb06 Jan04	Mar27 Mar06 Feb05	Apr22 Apr03 Mar09		Oct23 Nov03 Nov13	Nov06 Nov19 Dec01	Nov21 Dec04 Dec18	252 289 334	224 257 296	195 226 261	19 10 4
MC NARY 2 N	36 32 28	May30 May13 Apr28	Jun13 May31 May18	Jun27 Jun17 Jun08		Sep02 Sep18 Oct02	Sep20 Oct04 Oct17	Oct07 Oct20 Nov01	120 152 176	98 126 151	76 100 126	60 50 40
MAMI	36 32 28	Mar13 Feb04 Jan06	Apr04 Mar12 Feb05	Apr25 Apr17 Mar08		Oct21 Nov07 Nov16	Nov06 Nov21 Dec09	Nov23 Dec06 Jan03	243 295 351	216 253 303	189 212 267	22 11 4
MONTENZUMA CASTLE N M	36 32 28	Apr19 Mar26 Mar04	May06 Apr21 Mar31	May22 May17 Apr27		Sep30 Oct10 Oct24	Oct17 Oct27 Nov07	Nov04 Nov13 Nov20	190 223 251	164 189 220	137 154 189	38 29 19
MORMON FLAT	36 32 28	Jan23 - -	Mar04 Jan26 -	Apr12 Mar17 Jan30		Nov10 Nov27 Dec15	Dec02 Dec22 -	Dec25 - -	317 >365 >365	273 327 >365	229 267 337	5 1 0
NOGALES 6 N	36 32 28	Apr20 Apr05 Mar07	May09 Apr27 Apr04	May27 May18 May01		Oct10 Oct15 Oct25	Oct22 Oct28 Nov08	Nov04 Nov11 Nov22	185 210 246	166 184 218	147 158 190	39 29 18
ORACLE 2 SE	36 32 28	Apr03 Mar07 Feb04	Apr21 Apr04 Mar10	May08 May01 Apr13		Oct15 Oct27 Nov04	Nov01 Nov09 Nov26	Nov18 Nov23 Dec18	218 250 297	194 219 260	169 188 222	21 12 5
ORGAN PIPE CACTUS N M	36 32 28	Feb19 Jan17 Dec04	Mar18 Feb17 Jan17	Apr14 Mar20 Feb20		Nov03 Nov16 Nov27	Nov20 Dec06 Dec28	Dec08 Dec26 -	278 330 >365	247 291 339	215 252 295	9 3 1
PAGE	36 32 28	Mar21 Mar01 Feb07	Apr17 Apr01 Mar11	May15 May03 Apr13		Oct11 Oct20 Oct25	Oct27 Nov07 Nov17	Nov12 Nov24 Dec10	226 255 290	192 219 250	157 183 210	33 23 14
PARKER	36 32 28	Jan11 Dec13 -	Feb11 Jan22 Dec18	Mar13 Feb23 Feb02		Nov15 Nov21 Dec10	Nov29 Dec15 Jan29	Dec13 Jan15 -	325 >365 >365	289 322 >365	256 284 314	6 2 0
PAYSON	36 32 28	May07 Apr26 Mar31	May23 May13 Apr23	Jun07 May29 May15		Sep25 Oct07 Oct17	Oct13 Oct20 Oct31	Oct30 Nov03 Nov15	165 178 219	142 160 191	120 142 163	47 38 26
PEARCE SUNSITES	36 32 28	Apr10 Mar28 Mar02	Apr28 Apr14 Mar27	May16 Apr30 Apr22		Oct11 Oct20 Oct29	Oct25 Nov02 Nov14	Nov08 Nov15 Nov29	201 221 261	179 201 231	158 182 200	32 23 12
PETRIIFIED FOREST N P	36 32 28	May06 Apr21 Apr07	May20 May08 Apr26	Jun03 May25 May14		Sep24 Oct08 Oct11	Oct07 Oct21 Oct26	Oct20 Nov02 Nov10	157 186 206	139 165 182	121 144 159	47 38 29
PHANTOM RANCH	36 32 28	Jan22 Dec22 -	Mar11 Feb18 Jan13	Apr28 Apr17 Apr05		Oct18 Nov04 Nov09	Nov16 Dec04 Jan16	Dec15 Jan04 -	305 >365 >365	249 287 >365	193 220 258	12 6 2
PHOENIX SKY HRBR INTL AP	36 32 28	Dec24 - -	Jan25 Dec16 -	Feb26 Feb09 Jan07		Nov19 Dec09 Dec27	Dec16 Jan30 -	Jan15 - -	>365 >365 >365	319 >365 >365	280 309 >365	3 1 0
PIPE SPRINGS NATL MONMINT	36 32 28	May03 Apr27 Apr09	May18 May09 Apr27	Jun01 May21 May15		Sep19 Oct01 Oct07	Oct03 Oct16 Oct23	Oct16 Oct31 Nov08	155 182 204	137 159 179	119 136 153	47 38 28
PLEASANT VALLEY R S	36 32 28	May25 May10 Apr22	Jun11 May27 May13	Jun28 Jun13 Jun03		Sep08 Sep23 Oct04	Sep26 Oct11 Oct20	Oct13 Oct30 Nov05	130 163 183	106 137 159	82 111 135	56 47 36
PORTAL 4 SW	36 32 28	May15 Apr25 Apr10	May27 May10 Apr26	Jun08 May26 May13		Sep26 Oct05 Oct10	Oct07 Oct18 Oct25	Oct19 Oct30 Nov08	151 179 201	132 160 180	114 140 160	49 40 30
PRESCOTT	36 32 28	May03 Apr22 Mar31	May20 May07 Apr23	Jun07 May23 May16		Sep20 Sep30 Oct07	Oct05 Oct18 Oct26	Oct20 Nov04 Nov14	160 189 219	138 162 185	115 136 152	47 38 28

QUARTZSITE	36 32 28	Jan30 Jan11 -	Feb25 Feb05 Jan15	Mar22 Mar01 Feb17	Nov11 Nov13 Dec02	Nov23 Dec03 Dec25	Dec06 Dec23 -	299 330 >365	271 301 353	243 271 300	10 4 1
ROOSEVELT 1 WNW	36 32 28	Jan25 - -	Mar04 Jan25 -	Apr11 Mar15 Feb12	Nov08 Nov23 Dec15	Dec02 Dec23 -	Dec26 - -	321 >365 >365	272 322 >365	224 268 323	10 3 1
SACATON	36 32 28	Feb28 Jan31 Dec27	Mar29 Mar03 Jan31	Apr28 Apr03 Mar04	Oct28 Nov04 Nov11	Nov13 Nov23 Dec10	Nov30 Dec12 Jan16	268 305 >365	228 264 311	189 223 271	17 9 3
SAFFORD AGRICULTRL CTR	36 32 28	Apr04 Mar12 Feb19	Apr21 Apr03 Mar16	May08 Apr25 Apr09	Oct12 Oct24 Nov02	Oct25 Nov05 Nov15	Nov08 Nov17 Nov28	210 239 274	187 215 243	165 190 212	31 21 12
SAINT JOHNS	36 32 28	May03 Apr25 Apr05	May20 May08 Apr22	Jun06 May20 May08	Sep22 Sep30 Oct08	Oct05 Oct15 Oct23	Oct18 Oct29 Nov07	160 178 207	137 159 184	115 140 160	49 41 32
SAN CARLOS RESERVOIR	36 32 28	Mar01 Jan24 Dec23	Apr01 Mar03 Feb06	May01 Apr10 Mar18	Oct30 Nov10 Nov18	Nov12 Nov25 Dec16	Nov26 Dec11 Jan15	260 307 >365	225 267 311	190 226 263	20 10 3
SANDERS	36 32 28	May17 May06 Apr13	Jun06 May23 May03	Jun26 Jun10 May23	Sep11 Sep21 Oct07	Sep28 Oct10 Oct21	Oct16 Oct29 Nov04	145 169 193	113 139 170	82 108 147	54 45 35
SAN SIMON	36 32 28	Apr05 Mar25 Mar02	Apr24 Apr13 Mar26	May12 May03 Apr20	Oct08 Oct13 Oct22	Oct21 Oct28 Nov06	Nov03 Nov12 Nov21	203 221 252	180 197 224	157 174 196	35 26 16
SANTA RITA EXP RANGE	36 32 28	Mar18 Feb09 Dec23	Apr09 Mar16 Feb06	May01 Apr20 Mar19	Oct26 Oct31 Nov13	Nov11 Nov21 Dec11	Nov27 Dec12 Jan17	243 290 >365	215 249 305	188 208 258	15 7 3
SASABE	36 32 28	Mar27 Feb24 Jan15	Apr18 Mar24 Feb19	May10 Apr21 Mar26	Oct24 Nov04 Nov09	Nov10 Nov20 Dec02	Nov26 Dec06 Dec25	231 272 327	205 241 285	178 209 243	18 9 3
SEDONA RANGER STN	36 32 28	Apr09 Mar22 Feb23	May01 Apr18 Mar25	May23 May15 Apr24	Oct10 Oct17 Oct31	Oct25 Nov03 Nov15	Nov08 Nov20 Nov30	208 232 270	176 198 235	144 163 200	30 21 11
SELIGMAN	36 32 28	May14 May03 Apr15	Jun08 May20 May07	Jul02 Jun06 May29	Sep15 Sep25 Oct06	Oct01 Oct13 Oct23	Oct17 Oct31 Nov09	146 166 191	114 145 168	83 124 145	53 44 32
SHOW LOW AP	36 32 28	May14 Apr25 Apr14	May30 May13 May01	Jun15 May31 May18	Sep20 Sep26 Oct06	Oct03 Oct13 Oct21	Oct17 Oct30 Nov06	147 176 196	126 152 173	104 128 150	48 40 29
SNOWFLAKE	36 32 28	May18 Apr30 Apr16	Jun03 May15 May04	Jun18 May29 May21	Sep18 Sep28 Oct07	Sep29 Oct11 Oct20	Oct11 Oct24 Nov02	140 170 186	118 149 169	96 127 151	52 43 33
SOUTH PHOENIX	36 32 28	Feb01 Jan11 -	Mar04 Feb08 Jan10	Apr03 Mar07 Feb13	Nov08 Nov12 Dec08	Nov23 Dec05 Jan07	Dec08 Dec27 -	296 333 >365	264 299 >365	232 265 312	9 3 1
SPRINGERVILLE	36 32 28	Jun10 May25 May07	Jun21 Jun11 May23	Jul01 Jun29 Jun07	Aug31 Sep14 Sep22	Sep15 Sep25 Oct04	Sep30 Oct07 Oct15	106 124 154	86 106 133	66 87 113	62 54 45
STEWART MOUNTAIN	36 32 28	Feb06 Jan12 -	Mar12 Feb13 Jan20	Apr14 Mar18 Mar02	Nov01 Nov11 Nov20	Nov17 Nov27 Dec20	Dec03 Dec13 -	290 325 >365	250 286 329	210 247 278	13 6 2
SUNSET CRATER NATL MNMNT	36 32 28	Jun18 Jun11 May27	Jul04 Jun21 Jun12	Jul20 Jul02 Jun28	Aug12 Aug20 Sep02	Aug30 Sep09 Sep21	Sep16 Sep28 Oct10	80 103 128	56 79 100	32 55 72	68 61 51
SUPERIOR	36 32 28	Jan27 - -	Mar09 Feb07 -	Apr19 Mar30 Feb11	Nov05 Nov21 Dec22	Dec04 Dec26 -	Jan02 - -	318 >365 >365	269 321 >365	220 257 339	4 1 0



TACNA 3 NIE	36 32 28	Feb16 Jan23 Dec28	Mar15 Feb23 Jan29	Apr12 Mar26 Feb26	Oct29 Nov08 Nov15	Nov10 Nov22 Dec11	Nov22 Dec05 Jan08	270 306 >365	239 271 315	208 236 273	16 9 3
TEEC NOS POS	36 32 28	Apr17 Apr01 Mar19	May04 Apr22 Apr09	May20 May12 Apr30	Sep21 Oct02 Oct21	Oct08 Oct18 Nov01	Oct26 Nov03 Nov13	181 205 234	157 178 206	132 151 178	43 34 25
TEMPE A S U	36 32 28	Jan12 - -	Feb26 Feb01 Jan05	Apr13 Mar18 Feb19	Nov05 Nov11 Nov25	Nov26 Dec15 Feb03	Dec16 - -	332 >365 >365	271 317 >365	210 249 288	9 4 1
TOMBSTONE	36 32 28	Mar24 Feb23 Jan13	Apr11 Mar21 Feb17	Apr29 Apr16 Mar24	Oct22 Nov01 Nov13	Nov06 Nov20 Dec05	Nov20 Dec09 Dec28	233 277 332	208 242 290	183 208 248	16 8 3
TUBA CITY	36 32 28	Apr18 Mar31 Mar12	May13 Apr25 Apr09	Jun08 Jun21 May06	Sep23 Oct05 Oct12	Oct11 Oct24 Oct31	Oct29 Nov11 Nov20	188 214 244	151 180 205	113 146 166	45 37 28
TUCSON CAMP AVE EXP FM	36 32 28	Mar07 Feb14 Jan01	Apr04 Mar14 Feb09	May01 Apr11 Mar19	Oct24 Nov05 Nov10	Nov06 Nov19 Nov30	Nov19 Dec04 Dec20	249 284 336	216 250 292	182 215 251	20 11 5
TUCSON	36 32 28	Jan10 - -	Feb18 Jan19 -	Mar29 Feb24 Feb02	Nov07 Nov18 Dec15	Dec03 Dec18 -	Dec29 - -	338 >365 >365	285 324 >365	238 283 335	5 2 0
TUCSON INTL AP	36 32 28	Feb15 Jan17 Nov29	Mar16 Feb16 Jan16	Apr13 Mar18 Feb22	Nov04 Nov09 Nov23	Nov20 Nov29 Dec20	Dec05 Dec19 -	282 318 >365	249 285 334	215 252 286	10 4 1
TUMACACORI NATL MONUMENT	36 32 28	Apr07 Mar13 Feb13	Apr26 Apr08 Mar11	May16 May03 Apr06	Oct13 Oct24 Nov01	Oct28 Nov09 Nov19	Nov12 Nov24 Dec07	210 241 284	184 214 252	158 187 221	28 17 8
WAHWEAP	36 32 28	Mar31 Feb25 Feb04	Apr17 Mar27 Mar08	May03 Apr26 Apr09	Oct14 Oct21 Nov07	Oct31 Nov07 Nov23	Nov16 Nov25 Dec09	222 258 299	196 225 259	170 191 220	32 23 14
WALNUT CREEK	36 32 28	May27 May05 Apr20	Jun13 May26 May10	Jun30 Jun15 May31	Sep06 Sep17 Sep30	Sep22 Oct05 Oct17	Oct08 Oct22 Nov02	123 161 183	101 131 159	78 101 135	57 48 36
WHITERIVER 1 SW	36 32 28	Apr30 Apr21 Mar29	May19 May08 Apr17	Jun06 May24 May05	Sep23 Sep30 Oct11	Oct09 Oct16 Oct26	Oct25 Nov02 Nov09	168 183 217	143 161 191	117 139 165	48 38 28
WICKENBURG	36 32 28	Mar24 Feb25 Jan20	Apr17 Mar27 Mar02	May11 Apr26 Apr12	Oct13 Oct21 Nov02	Oct30 Nov09 Nov24	Nov17 Nov28 Dec15	227 259 306	196 226 265	165 193 225	27 16 7
WIKIEUP	36 32 28	Mar30 Feb24 Jan15	Apr19 Mar26 Feb24	May09 Apr24 Apr04	Oct18 Oct29 Nov02	Nov02 Nov15 Nov30	Nov17 Dec02 Dec27	220 268 325	196 233 278	171 198 232	26 14 6
WILLCOX	36 32 28	Apr16 Apr02 Mar14	May05 Apr22 Apr08	May24 May11 May02	Oct09 Oct14 Oct26	Oct21 Oct28 Nov05	Nov02 Nov10 Nov16	189 212 238	169 188 211	148 164 184	39 28 19
WILLIAMS	36 32 28	May21 May01 Apr18	Jun05 May19 May09	Jun20 Jun06 May29	Sep13 Sep18 Oct01	Sep30 Oct07 Oct19	Oct18 Oct27 Nov06	141 170 191	117 140 163	92 111 135	52 42 31
WILLOW BEACH	36 32 28	Jan05 - -	Feb04 Jan08 -	Mar05 Feb07 Feb01	Nov13 Dec03 Dec20	Dec07 Dec22 -	Dec30 - -	>365 >365 >365	302 >365 >365	265 305 >365	6 2 1
WINSLOW AP	36 32 28	Apr27 Apr17 Mar30	May14 May04 Apr19	May30 May22 May10	Sep24 Oct01 Oct12	Oct10 Oct18 Oct28	Oct26 Nov04 Nov13	171 189 217	149 166 191	126 143 164	45 36 27
WUPATKI N M	36 32 28	Apr10 Mar19 Feb28	Apr29 Apr12 Mar26	May18 May06 Apr21	Oct06 Oct17 Oct25	Oct21 Oct30 Nov08	Nov05 Nov12 Nov22	198 228 253	174 200 226	151 172 199	37 27 18

YOUNGTOWN	36 32 28	Jan19 Dec24 -	Feb19 Jan26 -	Mar21 Feb28 Feb05	Nov12 Nov17 Dec12	Nov27 Dec11 -	Dec12 Jan04 -	317 355 >365	281 317 >365	244 281 320	6 2 1
YUCCA 1 NNE	36 32 28	Feb27 Feb05 -	Mar29 Mar06 Jan24	Apr28 Apr05 Mar06	Oct31 Nov12 Nov17	Nov15 Nov26 Dec16	Nov30 Dec11 -	265 298 >365	230 264 320	195 231 274	13 6 2
YUMA CITRUS STATION	36 32 28	Jan18 Dec16 -	Feb19 Jan24 -	Mar24 Mar01 Jan23	Nov10 Nov25 Dec11	Nov26 Dec20 -	Dec12 Jan15 -	321 >365 >365	277 322 >365	238 286 335	6 2 0
YUMA PROVING GROUND	36 32 28	- - -	Jan29 Dec27 -	Feb26 Jan31 Jan16	Nov20 Nov29 Dec28	Dec09 Dec31 -	- - -	>365 >365 >365	313 >365 >365	277 316 345	3 1 0

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 (Aug 1 - Jul 31).

(percent of days with temperatures at or below the threshold temperature)

Freeze / Frost Occurrence Data

All probabilities in whole percent. See notes for probability level description.  
- Indicates the probability of occurrence of threshold temperatureis less than indicated probability.

State And Station Name	Thresh hold (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			Prob o b a b i l i t y  (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
California											
ADIN RS	36 32 28	Jun05 May21 Apr24	Jun27 Jun08 May15	Jul19 Jun26 Jun05	Aug15 Aug30 Sep14	Sep02 Sep17 Oct02	Sep19 Oct06 Oct21	100 129 171	66 100 140	32 72 108	59 47 33
ALPINE	36 32 28	Jan24 - -	Mar09 Jan14 -	Apr22 Mar28 Jan28	Nov04 Nov18 Dec17	Dec06 Dec31 -	Jan07 - -	>365 >365 >365	266 >365 >365	212 257 335	4 1 0
ALTURAS	36 32 28	Jul02 Jun12 May10	Jul17 Jun30 Jun02	Jul31 Jul18 Jun26	Aug01 Aug14 Aug30	Aug13 Aug30 Sep14	Aug26 Sep14 Sep29	49 83 133	27 60 103	5 37 73	70 58 44
ANGWIN PAC UNION COL	36 32 28	Apr12 Mar02 -	May09 Apr15 Feb11	Jun06 May28 Apr06	Oct21 Oct28 Nov08	Nov10 Nov30 Dec27	Nov30 Jan02 -	217 288 >365	184 229 322	151 169 244	16 7 2
ANTIOCH PUMP PLANT #3	36 32 28	Jan26 Dec29 -	Mar15 Feb06 Jan10	May02 Mar13 Feb09	Oct30 Nov09 Nov23	Nov22 Dec01 Dec27	Dec14 Dec25 -	310 356 >365	251 296 351	191 250 296	11 5 1
ASH MOUNTAIN	36 32 28	Mar11 Jan25 -	Apr09 Mar05 Jan14	May08 Apr13 Mar03	Nov02 Nov09 Dec02	Nov18 Dec01 Jan01	Dec04 Dec22 -	254 315 >365	222 270 >365	191 226 292	14 6 1
AUBERRY 2 NW	36 32 28	Mar22 Feb24 Nov30	Apr23 Mar31 Feb05	May24 May05 Mar29	Oct25 Nov10 Nov21	Nov12 Nov25 Dec17	Nov29 Dec10 -	238 277 >365	202 238 316	166 199 252	16 7 2
AUBURN	36 32 28	Mar08 Jan06 -	Apr05 Feb18 Jan05	May03 Apr02 Feb07	Oct29 Nov09 Dec08	Nov14 Dec01 Dec31	Nov30 Dec23 -	256 338 >365	222 285 >365	189 232 312	14 6 1
BAKERSFIELD KERN CO AP	36 32 28	Jan25 Dec27 -	Mar01 Jan25 Dec28	Apr05 Feb24 Jan27	Nov08 Nov15 Dec08	Nov21 Dec11 Jan01	Dec05 Jan06 -	302 >365 >365	265 316 >365	227 277 321	9 3 1
BALCH POWER HOUSE	36 32 28	Mar08 Jan19 -	Apr09 Mar04 Jan11	May11 Apr18 Feb27	Oct28 Nov05 Nov30	Nov18 Dec03 Jan04	Dec08 Dec31 -	262 327 >365	222 272 >365	182 222 307	13 4 1
BEAUMONT 1 E	36 32 28	Mar21 Feb11 Dec14	Apr15 Mar19 Feb02	May09 Apr23 Mar18	Oct20 Nov06 Nov18	Nov09 Nov29 Dec17	Nov30 Dec22 Jan24	238 292 >365	208 255 314	178 218 269	12 5 1
BERKELEY	36 32 28	- - -	Jan08 - -	Feb27 Jan18 -	Dec04 Dec25 -	Jan10 - -	- - -	>365 >365 >365	>365 >365 >365	303 >365 >365	1 0 0
BIG BAR 4 E	36 32 28	Apr27 Mar23 Jan18	May15 Apr21 Mar12	Jun02 May19 Apr29	Sep20 Oct06 Oct14	Oct09 Oct27 Nov17	Oct27 Nov17 Dec24	172 221 326	146 189 251	119 157 193	33 18 7
BIG BEAR LAKE	36 32 28	Jun09 May24 May06	Jun26 Jun07 May23	Jul14 Jul22 Jun09	Aug11 Sep06 Sep19	Sep01 Sep24 Oct07	Sep22 Oct12 Oct25	93 126 161	66 108 136	40 89 111	64 53 40

BISHOP AP	36 32 28	May/02 Apr/13 Mar/27	May/24 May/04 Apr/21	Jun/14 May/25 May/16	Sep/12 Sep/29 Oct/09	Oct/01 Oct/15 Oct/24	Oct/20 Oct/31 Nov/08	159 190 214	130 164 185	101 137 157	49 39 28
BLUE CANYON	36 32 28	May/06 Apr/18 Mar/25	May/29 May/12 Apr/22	Jun/20 Jun/05 May/20	Sep/22 Oct/04 Oct/21	Oct/15 Oct/28 Nov/12	Nov/06 Nov/21 Dec/05	171 205 241	138 168 204	105 131 167	35 24 12
BLYTHE	36 32 28	Jan/26 Dec/30 -	Feb/18 Jan/25 Jan/01	Mar/14 Feb/21 Feb/09	Nov/06 Nov/16 Dec/02	Nov/22 Dec/09 Jan/07	Dec/07 Dec/31 -	308 353 >365	276 315 >365	243 280 313	8 3 1
BLYTHE AP	36 32 28	Jan/10 - -	Feb/06 Jan/12 -	Mar/06 Feb/18 Jan/20	Nov/12 Nov/21 Dec/05	Dec/03 Dec/26 -	Dec/23 - -	332 >365 >365	298 354 >365	267 287 330	4 1 0
BOCA	36 32 28	Jul/21 Jul/07 Jun/12	Jul/27 Jul/19 Jul/02	Aug/03 Aug/01 Jul/22	Jul/31 Jul/31 Aug/03	Aug/04 Aug/08 Aug/23	Aug/09 Aug/16 Sep/12	16 35 83	7 19 51	0 2 19	86 75 59
BODIE	36 32 28	Jul/24 Jul/20 Jul/03	Jul/29 Jul/27 Jul/19	Aug/03 Aug/02 Aug/04	Jul/31 Jul/30 Jul/31	Aug/03 Aug/06 Aug/11	Aug/07 Aug/14 Aug/23	10 20 42	4 10 22	0 0 3	91 83 73
BORREGO DESERT PARK	36 32 28	Dec/18 - -	Feb/20 Jan/03 -	Apr/19 Mar/02 Feb/19	Nov/10 Dec/09 Dec/31	Dec/17 Jan/12 -	Feb/02 - -	>365 >365 >365	295 >365 >365	236 299 >365	3 1 0
BOWMAN DAM	36 32 28	May/20 May/07 Apr/17	Jun/09 May/29 May/09	Jun/29 Jun/21 May/30	Sep/14 Sep/23 Oct/11	Oct/06 Oct/19 Oct/31	Oct/28 Nov/13 Nov/21	142 176 209	118 142 175	95 107 141	51 39 23
BRAWLEY 2 SW	36 32 28	Jan/25 Dec/24 -	Feb/15 Jan/24 Dec/29	Mar/08 Feb/23 Feb/07	Nov/11 Nov/17 Dec/06	Nov/25 Dec/07 Jan/14	Dec/09 Dec/28 -	310 354 >365	282 314 >365	255 283 311	7 2 1
BRIDGEPORT	36 32 28	Jul/07 Jun/16 May/26	Jul/21 Jul/08 Jun/24	Aug/04 Jul/31 Jul/23	Jul/31 Aug/02 Aug/11	Aug/11 Aug/20 Sep/01	Aug/23 Sep/07 Sep/22	42 75 113	20 42 68	0 9 24	79 69 58
BURBANK VALLEY PUMP PLNT	36 32 28	Jan/16 - -	Feb/27 Jan/21 -	Apr/09 Mar/17 Feb/13	Nov/07 Nov/20 Dec/20	Dec/01 Dec/23 -	Dec/25 - -	335 >365 >365	276 345 >365	218 254 339	5 2 0
BURNLEY	36 32 28	Jun/13 May/23 May/02	Jul/10 Jun/22 Jun/03	Aug/06 Jul/22 Jul/04	Jul/31 Aug/09 Aug/27	Aug/14 Aug/27 Sep/14	Aug/28 Sep/13 Oct/02	72 106 142	34 65 103	0 23 63	72 60 46
BUTTONWILLOW	36 32 28	Feb/21 Jan/12 Nov/29	Mar/20 Feb/17 Jan/14	Apr/16 Mar/22 Feb/18	Oct/19 Oct/30 Nov/13	Nov/07 Nov/17 Nov/28	Nov/25 Dec/07 Dec/18	262 329 >365	231 272 315	199 229 275	17 9 4
CACHUMA LAKE	36 32 28	Mar/02 Jan/04 -	Mar/31 Feb/17 Jan/04	Apr/30 Apr/01 Feb/10	Oct/25 Nov/11 Nov/27	Nov/10 Dec/02 Jan/02	Nov/27 Dec/23 -	260 336 >365	223 287 >365	187 239 301	11 3 1
CALAVERAS BIG TREES	36 32 28	May/23 May/01 Apr/03	Jun/10 May/25 Apr/29	Jun/28 Jun/19 May/24	Sep/08 Sep/25 Oct/16	Oct/04 Oct/18 Nov/05	Oct/30 Nov/10 Nov/26	143 179 226	115 145 190	88 111 154	50 36 19
CALISTOGA	36 32 28	Mar/31 Feb/21 Jan/03	May/03 Mar/26 Feb/09	Jun/05 Apr/28 Mar/14	Sep/26 Sep/30 Sep/29	Oct/19 Nov/05 Nov/20	Nov/11 Dec/11 Jan/16	215 276 >365	168 223 281	121 170 223	21 11 5
CALLAHAN	36 32 28	Jun/07 May/10 Apr/22	Jun/23 Jun/01 May/10	Jul/09 Jun/23 May/28	Aug/22 Sep/12 Oct/03	Sep/12 Sep/28 Oct/20	Oct/04 Oct/14 Nov/05	109 146 189	81 119 162	52 91 136	51 39 24
CAMPO	36 32 28	May/18 Apr/16 Feb/19	Jun/15 May/16 Mar/30	Jul/13 Jun/16 May/08	Aug/20 Sep/20 Oct/20	Sep/21 Oct/16 Nov/09	Oct/22 Nov/12 Nov/30	139 199 268	97 152 224	54 106 179	35 21 10
CAMP PARDEE	36 32 28	Feb/20 Dec/30 -	Mar/23 Feb/03 Dec/25	Apr/24 Mar/1 Feb/05	Nov/05 Nov/20 Dec/08	Nov/25 Dec/18 Jan/18	Dec/14 Jan/17 -	286 >365 >365	246 312 >365	205 268 326	9 3 1

CANBY 3 SW	36 32 28	Jun16 May22 May07	Jul03 Jun11 May26	Jul21 Jul02 Jun13	Aug06 Aug22 Sep10	Aug22 Sep06 Sep23	Sep07 Sep22 Oct07	75 108 145	49 86 120	23 65 95	66 55 42
CANOGA PARK PIERCE COLLG	36 32 28	Mar04 Feb02 -	Mar31 Mar07 Jan07	Apr27 Apr09 Feb17	Oct26 Nov07 Nov22	Nov09 Nov29 Dec26	Nov22 Dec20 -	254 305 >365	222 266 >365	190 227 300	12 4 1
CANYON DAM	36 32 28	Jun02 May12 Apr20	Jun21 May31 May08	Jul10 Jun18 May27	Aug16 Sep07 Sep29	Sep10 Sep30 Oct18	Oct04 Oct22 Nov05	111 149 188	80 121 161	48 93 135	59 48 30
CECILVILLE	36 32 28	May12 Apr24 Mar24	Jun05 May16 Apr21	Jun30 Jun08 May20	Sep07 Sep23 Oct12	Sep25 Oct13 Oct29	Oct12 Nov02 Nov16	141 185 225	110 149 190	80 113 156	47 32 17
CEDARVILLE	36 32 28	May27 May06 Apr20	Jun12 May25 May06	Jun28 Jun13 May22	Aug28 Sep11 Sep25	Sep15 Sep26 Oct11	Oct03 Oct12 Oct26	120 147 177	94 123 157	69 100 137	54 43 31
CHERRY VALLEY DAM	36 32 28	May10 Apr22 Mar31	May28 May16 Apr25	Jun16 Jun09 May19	Sep23 Oct06 Oct20	Oct14 Oct25 Nov10	Nov05 Nov13 Dec01	167 190 233	138 162 199	109 133 165	43 30 16
CHESTER	36 32 28	Jun14 May23 Apr30	Jul03 Jun12 May20	Jul22 Jul02 Jun08	Aug03 Aug24 Sep15	Aug27 Sep14 Oct05	Sep20 Oct04 Oct24	90 125 167	54 93 137	19 61 108	67 55 39
CHICO UNIVERSITY FARM	36 32 28	Mar20 Feb14 Dec29	Apr13 Mar21 Feb04	May06 Apr24 Mar13	Oct13 Oct29 Nov07	Nov01 Nov14 Dec09	Nov20 Dec01 Jan10	238 280 365	202 238 305	165 196 258	19 11 4
CHULA VISTA	36 32 28	- - -	Jan01 - -	Feb28 Jan22 -	Nov27 Dec27 -	Jan04 - -	- - -	>365 >365 >365	>365 >365 >365	291 >365 >365	1 0 0
CLEARLAKE 4 SE	36 32 28	Apr20 Mar16 Feb05	May10 Apr11 Mar12	May30 May06 Apr17	Sep29 Oct15 Oct27	Oct17 Oct30 Nov16	Nov04 Nov14 Dec06	185 235 291	159 202 248	133 168 205	33 22 11
CLOVERDALE	36 32 28	Mar04 Jan07 -	Apr04 Feb21 Jan10	May06 Apr07 Feb10	Oct15 Oct16 Nov12	Nov12 Nov23 Dec26	Dec10 Jan01 -	262 332 >365	221 274 356	179 217 284	13 5 1
COALINGA	36 32 28	Feb26 Feb05 Dec01	Mar31 Mar06 Jan22	May03 Apr04 Mar04	Oct25 Nov05 Nov15	Nov09 Nov21 Dec12	Nov24 Dec08 -	262 298 >365	223 259 316	184 220 270	16 8 3
COLFAX	36 32 28	Apr03 Mar15 Jan18	Apr27 Apr11 Mar01	May21 May09 Apr12	Oct13 Oct26 Nov09	Oct31 Nov15 Dec02	Nov19 Dec04 Dec24	217 252 327	186 216 275	156 181 223	24 12 4
COLUSA 2 SSW	36 32 28	Feb10 Jan05 -	Mar24 Feb25 Jan12	May05 Apr16 Mar02	Oct14 Nov01 Nov19	Nov07 Nov25 Dec15	Dec02 Dec20 -	276 335 >365	228 273 338	179 211 272	14 6 2
CORCORAN IRRIG DIST	36 32 28	Feb15 Jan13 Nov27	Mar20 Feb23 Jan09	Apr22 Apr06 Feb12	Oct23 Nov05 Nov15	Nov08 Nov20 Dec08	Nov24 Dec06 Jan06	274 320 >365	233 269 327	192 218 283	15 7 3
COVELO	36 32 28	May03 Apr10 Mar05	May25 May02 Apr02	Jun15 May24 May01	Sep15 Oct06 Oct18	Oct04 Oct21 Nov03	Oct22 Nov05 Nov18	163 200 243	131 171 214	100 142 184	36 23 13
CRESCENT CITY 3 NNW	36 32 28	Mar11 Dec31 -	Apr13 Feb25 -	May16 Apr17 Feb24	Oct23 Nov12 Dec18	Nov21 Dec18 -	Dec19 Jan27 -	268 >365 >365	221 288 >365	175 230 337	10 3 0
CULVER CITY	36 32 28	- - -	Dec11 - -	Mar01 - -	Dec01 - -	Feb09 - -	- - -	>365 >365 >365	>365 >365 >365	313 >365 >365	1 0 0
CUYAMACA	36 32 28	May08 Apr18 Mar05	May29 May11 Apr08	Jun18 Jun03 May11	Sep11 Sep28 Oct13	Oct03 Oct19 Nov04	Oct25 Nov10 Nov26	156 189 251	126 161 210	96 132 168	42 27 13

DAGGETT BARSTOW AP	36 32 28	Feb06 Jan17 Dec05	Mar02 Feb12 Jan15	Mar26 Mar11 Feb22		Oct31 Nov10 Nov15	Nov14 Nov29 Dec07	Nov29 Dec19 Jan01	282 323 >365	256 290 322	230 256 275	12 6 2
DAVIS 2 WSW EXP FARM	36 32 28	Mar12 Jan16 -	Apr04 Feb26 Jan13	Apr28 Apr08 Feb24		Oct23 Oct31 Nov19	Nov09 Nov28 Dec14	Nov26 Dec27 -	249 324 >365	218 273 334	186 226 282	15 6 2
DEATH VALLEY	36 32 28	Jan18 Dec22 -	Feb12 Jan21 Dec24	Mar08 Feb16 Feb01		Nov03 Nov17 Nov27	Nov26 Dec07 Dec30	Dec19 Dec28 -	321 >365 >365	287 318 >365	252 289 328	8 3 1
DEEP SPRINGS COLLEGE	36 32 28	Apr26 Apr09 Mar24	May16 May06 Apr17	Jun05 Jun01 May11		Sep19 Oct04 Oct10	Oct05 Oct17 Oct25	Oct21 Oct31 Nov09	168 193 221	141 164 190	115 135 159	48 40 31
DE SABL A	36 32 28	May02 Apr05 Mar10	May20 May01 Apr05	Jun07 May27 May02		Sep17 Oct05 Oct23	Oct13 Oct30 Nov15	Nov07 Nov24 Dec09	181 219 264	145 181 223	109 143 183	34 21 9
DOBINS 1 S	36 32 28	Apr15 Mar29 Jan17	May08 Apr20 Mar03	Jun01 May11 Apr17		Oct06 Oct20 Nov03	Oct22 Nov11 Dec01	Nov07 Dec03 Dec28	197 235 318	167 204 268	136 174 223	30 17 6
DONNER MEMORIAL ST PK	36 32 28	Jul08 Jun17 May23	Jul20 Jul06 Jun16	Aug02 Jul24 Jul09		Aug01 Aug10 Aug28	Aug11 Aug28 Sep18	Aug22 Sep14 Oct09	40 84 125	21 52 93	3 20 62	78 66 52
DOWNIEVILLE	36 32 28	May15 Apr21 Mar17	Jun03 May12 Apr11	Jun22 Jun02 May05		Sep13 Sep29 Oct24	Oct01 Oct18 Nov06	Oct18 Nov07 Nov18	142 191 237	119 158 208	96 125 179	47 33 16
DOYLE 4 SSE	36 32 28	May29 May11 Apr17	Jun21 Jun05 May12	Jul14 Jun30 Jun05		Aug15 Sep04 Sep16	Sep02 Sep22 Oct05	Sep20 Oct10 Oct23	102 140 174	72 109 145	42 78 116	55 42 30
EAGLE MOUNTAIN	36 32 28	- - -	Jan09 - -	Feb13 Jan21 Dec19		Dec04 Dec17 -	Jan12 - -	- - -	>365 >365 >365	>365 >365 >365	303 350 >365	1 0 0
EAST PARK RESERVOIR	36 32 28	Apr11 Mar24 Feb01	May04 Apr16 Mar10	May28 May10 Apr17		Oct03 Oct17 Nov04	Oct23 Nov04 Nov18	Nov12 Nov22 Dec02	207 235 291	171 201 252	135 167 213	29 19 9
EL CAPITAN DAM	36 32 28	Jan05 - -	Feb28 Jan14 -	Apr22 Mar19 Feb16		Oct29 Nov13 Dec19	Dec03 Dec30 -	Jan07 - -	>365 >365 >365	272 361 >365	208 263 >365	5 1 0
EL CENTRO 2 SSW	36 32 28	Dec30 - -	Feb14 Jan05 -	Apr01 Feb16 Jan23		Nov14 Nov27 Dec10	Dec07 Jan02 -	Jan01 - -	361 >365 >365	292 >365 >365	238 300 333	5 2 0
EL MIRAGE	36 32 28	Apr16 Mar23 Feb23	May09 Apr20 Mar23	May31 May18 Apr20		Sep27 Oct13 Oct26	Oct16 Oct28 Nov08	Nov03 Nov12 Nov22	188 224 262	159 190 230	131 156 198	35 24 15
ELSINORE	36 32 28	Feb25 Feb03 -	Mar29 Mar09 Jan10	May01 Apr13 Feb25		Nov01 Nov05 Nov21	Nov16 Nov30 Dec25	Dec02 Dec24 -	271 304 >365	231 265 >365	192 225 287	13 5 1
EUREKA WFO WOODLEY IS	36 32 28	Feb14 Dec09 -	Mar18 Jan27 -	Apr19 Mar12 Jan18		Nov02 Nov13 Dec30	Nov25 Dec16 -	Dec18 Jan21 -	294 >365 >365	252 323 >365	209 274 >365	6 1 0
FAIRFIELD	36 32 28	Feb03 Dec21 -	Mar16 Feb07 Jan04	Apr26 Mar16 Feb02		Nov01 Nov14 Nov28	Nov20 Dec06 Jan03	Dec09 Jan04 -	294 >365 >365	248 304 >365	203 255 306	12 5 2
FAIRMONT	36 32 28	Mar28 Feb12 Dec21	Apr24 Mar25 Feb10	May21 May05 Apr03		Oct20 Nov05 Nov14	Nov08 Nov23 Dec14	Nov26 Dec11 Jan14	231 285 >365	197 242 302	162 200 249	17 8 3
FIVE POINTS 5 SSW	36 32 28	Mar01 Jan23 Nov19	Apr03 Mar06 Jan21	May06 Apr17 Mar11		Oct22 Nov06 Nov12	Nov09 Nov22 Dec12	Nov27 Dec09 Jan18	259 306 >365	219 261 320	179 215 262	14 7 2

FORT BIDWELL	36 32 28	Jun04 May21 Apr24	Jun21 Jun06 May13	Jul07 Jun22 Jun01	Aug17 Sep03 Sep17	Sep06 Sep21 Oct05	Sep26 Oct09 Oct22	105 132 171	76 107 144	47 81 117	56 44 31
FORT BRAGG 5 N	36 32 28	Mar17 Dec24 -	Apr16 Feb19 -	May16 Apr12 Feb26	Oct20 Nov05 Dec20	Nov09 Dec07 -	Nov29 Jan11 -	242 >365 >365	206 288 >365	170 229 332	11 4 1
FORT JONES RANGER STN	36 32 28	Jun16 May14 Apr26	Jul04 Jun11 May17	Jul22 Jul10 Jun06	Aug14 Aug25 Sep15	Aug31 Sep14 Oct01	Sep16 Oct04 Oct17	81 132 163	57 94 136	32 56 109	62 49 35
FORT ROSS	36 32 28	Feb27 - -	Apr24 Feb20 -	Jun19 May18 Mar01	Sep27 Oct20 Dec03	Nov16 Jan04 -	Jan05 - -	288 >365 >365	206 305 >365	124 206 325	10 3 1
FRESNO YOSEMITE INTL	36 32 28	Feb15 Dec19 -	Mar15 Feb04 Dec29	Apr13 Mar20 Feb06	Nov02 Nov06 Nov27	Nov17 Dec03 Dec29	Dec01 Jan01 -	280 >365 >365	246 293 >365	211 246 300	12 5 1
FRIANT GOVERNMENT CAMP	36 32 28	Mar20 Jan28 -	Apr14 Mar15 Jan26	May10 May01 Mar23	Oct25 Oct30 Nov13	Nov10 Nov24 Dec29	Nov25 Dec19 -	239 314 >365	209 251 331	178 194 262	17 7 2
GEORGETOWN R S	36 32 28	Apr17 Mar29 Feb12	May12 Apr25 Mar19	Jun06 May21 Apr24	Oct03 Oct18 Oct31	Oct26 Nov08 Nov25	Nov17 Nov30 Dec19	204 231 295	166 197 249	129 163 204	27 16 6
GILROY	36 32 28	Feb27 Jan17 -	Mar29 Feb17 Jan15	Apr28 Mar20 Feb13	Oct27 Oct31 Nov28	Nov12 Nov28 Dec21	Nov28 Dec27 -	261 322 >365	227 281 337	193 245 297	14 6 2
GLENNVILLE	36 32 28	May20 Apr29 Mar13	Jun05 May22 Apr13	Jun21 Jun15 May14	Sep14 Sep28 Oct19	Oct04 Oct18 Nov04	Oct24 Nov08 Nov19	148 182 238	120 148 204	92 115 170	44 30 17
GRANT GROVE	36 32 28	May28 May16 Apr26	Jun13 Jun04 May16	Jun29 Jun24 Jun06	Sep03 Sep19 Oct04	Sep23 Oct11 Oct25	Oct13 Nov02 Nov14	123 156 187	101 128 161	79 101 134	50 39 26
GRASS VALLEY NO 2	36 32 28	Apr20 Mar30 Feb18	May10 Apr20 Mar19	May29 May12 Apr17	Sep27 Oct18 Nov06	Oct19 Nov06 Nov22	Nov11 Nov25 Dec07	194 226 282	162 199 247	130 172 212	32 20 8
GRATON	36 32 28	Apr17 Feb27 Jan02	May12 Mar30 Feb05	Jun06 Apr29 Mar11	Sep25 Oct20 Oct31	Oct18 Nov06 Dec02	Nov09 Nov23 Jan04	197 254 354	158 220 297	119 187 252	25 13 4
HAIWEE	36 32 28	Apr01 Mar08 Feb12	Apr24 Apr02 Mar09	May17 Apr28 Apr03	Oct14 Oct20 Nov02	Oct27 Nov06 Nov20	Nov09 Nov23 Dec08	215 250 287	185 217 255	156 183 223	33 22 12
HALF MOON BAY	36 32 28	Jan16 - -	Mar10 - -	Apr28 Mar07 Feb02	Nov03 Dec09 Dec23	Dec10 - -	Jan19 - -	>365 >365 >365	273 >365 >365	213 306 >365	4 1 0
HANFORD 1 S	36 32 28	Feb17 Jan18 Nov26	Mar22 Feb24 Jan17	Apr24 Apr02 Feb26	Oct22 Nov07 Nov11	Nov07 Nov23 Dec13	Nov22 Dec09 Jan23	268 315 >365	229 272 325	190 228 271	17 9 3
HAPPY CAMP RANGER STN	36 32 28	May03 Apr14 Mar06	May27 May08 Apr08	Jun20 Jun10 May10	Sep07 Sep29 Oct07	Oct01 Oct16 Nov06	Oct25 Nov03 Dec05	163 194 261	126 161 211	88 127 162	43 28 12
HAT CREEK	36 32 28	May24 May05 Apr19	Jun17 May28 May08	Jul11 Jun21 May27	Aug18 Sep05 Sep25	Sep04 Sep23 Oct09	Sep20 Oct11 Oct23	110 148 179	78 117 154	46 86 128	56 44 31
HAYFIELD PUMPING PLANT	36 32 28	Feb10 Jan04 -	Mar11 Feb14 Jan16	Apr08 Mar26 Feb21	Oct30 Nov09 Nov21	Nov19 Nov29 Dec12	Dec08 Dec20 -	283 329 >365	252 288 329	221 247 291	9 4 1
HAYFORK 2 W	36 32 28	May12 May02 Mar23	May27 May15 Apr12	Jun10 May27 May02	Sep05 Sep21 Oct10	Sep17 Oct07 Oct16	Sep30 Oct24 Oct21	139 173 209	113 145 186	87 117 163	57 38 15

HEALDSBURG	36 32 28	Feb24 Jan03 -	Mar21 Feb02 Jan01	Apr15 Mar04 Jan30	Nov02 Nov08 Dec03	Nov17 Dec07 Jan03	Dec03 Jan06 -	272 357 >365	241 305 >365	210 265 322	11 4 1
HENSHAW DAM	36 32 28	Apr26 Apr01 Feb17	May28 Apr29 Mar23	Jun29 May28 Apr27	Aug31 Oct02 Oct19	Sep30 Oct21 Nov08	Oct30 Nov09 Nov28	174 211 272	124 174 229	75 136 185	41 28 15
HETCH HETCHY	36 32 28	Apr22 Mar30 Feb28	May16 Apr28 Mar30	Jun09 May26 Apr28	Sep23 Oct08 Nov03	Oct18 Oct31 Nov22	Nov11 Nov23 Dec10	191 228 274	154 185 236	117 143 198	38 25 11
HUNTINGTON LAKE	36 32 28	Jun05 May17 Apr23	Jun25 Jun05 May18	Jul14 Jun24 Jun12	Aug21 Sep17 Sep30	Sep19 Oct11 Oct23	Oct19 Nov03 Nov14	124 158 193	86 127 157	48 96 121	58 43 27
IDYLLWILD FIRE DEPT	36 32 28	May24 May09 Apr05	Jun11 May29 May04	Jun29 Jun19 Jun01	Aug30 Sep18 Oct08	Sep24 Oct13 Oct30	Oct18 Nov06 Nov20	132 160 212	103 136 178	75 111 144	48 35 20
IMPERIAL	36 32 28	Dec16 - -	Jan23 Dec25 -	Feb22 Feb05 Jan07	Nov18 Dec11 Dec28	Dec12 Jan10 -	- - -	>365 >365 >365	318 >365 >365	282 319 >365	2 1 0
INDEPENDENCE	36 32 28	Apr02 Mar05 Feb17	Apr26 Apr05 Mar16	May19 May06 Apr12	Oct08 Oct18 Oct28	Oct23 Nov02 Nov13	Nov07 Nov17 Nov30	207 247 275	180 210 242	153 173 209	33 23 14
INDIO FIRE STATION	36 32 28	Jan15 - -	Feb15 Jan10 -	Mar19 Feb12 Feb01	Nov03 Nov18 Dec05	Nov29 Dec12 -	Dec25 - -	315 >365 >365	282 337 >365	251 287 313	5 2 1
INYOKERN	36 32 28	Mar21 Mar01 Jan30	Apr19 Mar28 Mar04	May17 Apr24 Apr05	Oct12 Oct24 Nov06	Oct27 Nov08 Nov22	Nov11 Nov23 Dec07	226 256 302	191 224 262	155 193 223	27 18 10
IRON MOUNTAIN	36 32 28	- - -	Jan19 Dec20 -	Mar04 Jan30 Jan06	Nov14 Nov28 Dec21	Dec14 Jan19 -	- - -	>365 >365 >365	328 >365 >365	264 316 >365	2 1 0
JESS VALLEY	36 32 28	Jun22 May30 May13	Jul07 Jun18 May31	Jul21 Jul06 Jun17	Aug07 Aug21 Sep11	Aug25 Sep10 Sep28	Sep12 Sep29 Oct14	72 112 145	48 83 119	24 55 93	65 54 39
KENTFIELD	36 32 28	Feb03 - -	Mar14 Feb01 -	Apr22 Mar15 Feb23	Nov07 Nov19 Dec20	Nov27 Dec27 -	Dec16 - -	303 >365 >365	257 331 >365	211 275 >365	7 2 0
KERN RIVER PH 3	36 32 28	Apr01 Mar05 Jan24	Apr21 Mar29 Feb28	May12 Apr21 Apr04	Oct19 Oct28 Nov05	Oct31 Nov11 Nov21	Nov13 Nov25 Dec07	218 256 305	192 227 265	167 198 226	25 16 7
KING CITY	36 32 28	Mar18 Feb05 Dec24	Apr23 Mar18 Feb08	May28 Apr28 Mar25	Oct09 Oct20 Nov03	Oct27 Nov10 Nov28	Nov14 Dec01 Dec23	230 286 349	187 236 291	144 186 239	21 11 4
KLAMATH	36 32 28	Mar24 Feb06 -	Apr22 Mar17 Jan19	May21 Apr25 Mar10	Oct19 Oct28 Nov13	Nov04 Nov25 Dec30	Nov20 Dec23 -	229 303 >365	195 252 359	161 202 268	15 6 1
LAGUNA BEACH	36 32 28	- - -	Mar02 Dec24 -	Apr17 Mar12 Jan07	Nov03 Nov29 Jan05	Dec14 Jan20 -	- - -	>365 >365 >365	283 >365 >365	214 275 >365	4 1 0
LAKE ARROWHEAD	36 32 28	May15 Apr17 Mar17	Jun04 May13 Apr15	Jun24 Jun08 May14	Sep19 Oct09 Oct24	Oct11 Oct25 Nov10	Nov02 Nov11 Nov27	152 198 243	128 164 209	105 131 174	43 30 14
LAKEPORT	36 32 28	Apr23 Mar27 Feb02	May13 Apr16 Mar11	Jun01 May07 Apr17	Sep29 Oct11 Oct17	Oct21 Nov03 Nov22	Nov11 Nov25 Dec28	194 236 315	160 199 253	127 163 197	30 18 8
LAKE SPAULDING	36 32 28	Jun10 May20 Apr28	Jun28 Jun11 May18	Jul15 Jul03 Jun07	Aug14 Sep05 Sep24	Sep05 Oct01 Oct19	Sep27 Oct26 Nov12	99 143 191	69 111 153	39 80 114	60 49 31



LA MESA	36 32 28	- - -	Dec30 - -	Mar03 Jan14 -	Nov30 Dec15 -	Jan06 - -	- - -	>365 >365 >365	>365 >365 >365	295 >365 >365	1 0 0
LAVA BEDS NAT MONUMENT	36 32 28	Jun09 May24 Apr23	Jun27 Jun09 May16	Jul15 Jun26 Jun09	Aug13 Sep03 Sep27	Sep07 Sep23 Oct17	Oct02 Oct13 Nov05	105 130 186	71 105 153	38 79 120	56 45 31
LEMON COVE	36 32 28	Feb20 Jan07 -	Mar27 Feb19 Dec28	May02 Apr03 Feb05	Oct26 Nov05 Dec03	Nov12 Nov27 Dec24	Nov28 Dec19 -	269 332 >365	228 277 >365	188 228 306	14 6 1
LINDSAY	36 32 28	Mar13 Jan26 Dec22	Apr08 Mar05 Jan24	May04 Apr12 Feb27	Oct18 Nov01 Nov17	Nov02 Nov17 Dec06	Nov18 Dec03 Dec26	241 299 >365	208 257 314	175 214 273	18 9 4
LIVERMORE	36 32 28	Mar03 Jan18 -	Apr08 Feb27 Jan19	May14 Apr07 Mar01	Oct23 Oct26 Nov22	Nov12 Nov24 Dec20	Dec01 Dec23 -	264 323 >365	217 268 336	170 217 276	15 7 2
LODGEPOLE	36 32 28	Jun23 Jun05 May11	Jul10 Jun25 Jun02	Jul27 Jul16 Jun23	Aug03 Aug12 Sep02	Aug22 Sep06 Sep27	Sep11 Oct01 Oct21	73 112 143	42 72 116	12 32 90	72 63 50
LODI	36 32 28	Mar09 Jan23 Nov24	Apr02 Feb26 Jan15	Apr26 Mar31 Feb24	Oct17 Nov03 Nov18	Nov05 Nov19 Dec11	Nov24 Dec06 Jan10	252 302 >365	216 266 325	180 230 282	15 7 2
LOMPOC	36 32 28	Feb01 Dec27 -	Mar19 Feb08 Dec03	May04 Mar23 Feb05	Oct28 Nov11 Dec02	Nov17 Dec14 -	Dec06 Jan16 -	294 >365 >365	242 301 >365	190 259 329	7 2 1
LONG BEACH AP	36 32 28	- - -	Jan02 - -	Feb13 Jan08 -	Dec05 Dec23 -	Jan14 - -	- - -	>365 >365 >365	>365 >365 >365	308 >365 >365	1 0 0
LOS ALAMOS	36 32 28	Mar01 Nov14 -	Apr04 Jan29 Dec02	May08 Apr16 Mar03	Aug14 Aug15 Sep04	Sep18 Oct16 Dec11	Oct23 Dec17 -	207 >365 >365	166 251 >365	125 168 226	17 5 2
LOS ANGELES INTL AP	36 32 28	- - -	- - -	Jan16 - -	Dec26 - -	- - -	- - -	>365 >365 >365	>365 >365 >365	>365 >365 >365	0 0 0
LOS ANGELES DOWNTOWN USC	36 32 28	- - -	- - -	Jan29 - -	Dec21 - -	- - -	- - -	>365 >365 >365	>365 >365 >365	>365 >365 >365	0 0 0
LOS BANOS	36 32 28	Feb17 Jan18 Dec11	Mar17 Feb10 Jan15	Apr14 Mar06 Feb10	Nov01 Nov02 Nov23	Nov16 Nov28 Dec18	Dec01 Dec23 Jan19	276 321 >365	243 288 336	210 258 294	14 7 2
LOS BANOS DET RESV	36 32 28	Jan19 Dec21 -	Mar01 Jan30 Dec27	Apr11 Mar02 Jan28	Nov07 Nov22 Dec11	Nov28 Dec19 Jan05	Dec18 Jan22 -	320 >365 >365	271 321 >365	222 282 332	7 3 1
LOS GATOS	36 32 28	Mar01 Jan13 -	Mar31 Feb17 Jan11	Apr30 Mar24 Feb10	Oct31 Nov05 Dec08	Nov16 Dec02 Jan01	Dec01 Dec30 -	266 332 >365	229 286 354	192 244 314	13 5 1
MADERA	36 32 28	Feb27 Jan28 Dec01	Mar26 Feb28 Jan14	Apr22 Mar31 Feb17	Oct18 Oct31 Nov15	Nov04 Nov18 Dec07	Nov22 Dec06 Jan05	260 299 >365	223 263 324	186 227 281	17 8 3
MANZANITA LAKE	36 32 28	Jun24 Jun05 May13	Jul12 Jun26 Jun01	Jul30 Jul18 Jun20	Aug04 Aug22 Sep14	Aug22 Sep15 Oct08	Sep10 Oct09 Nov01	70 111 159	41 80 129	12 49 98	66 54 39
MARKLEY COVE	36 32 28	Mar14 Feb07 Dec20	Apr09 Mar10 Jan23	May05 Apr11 Feb22	Nov01 Nov08 Nov22	Nov13 Nov29 Dec16	Nov25 Dec19 Jan16	244 303 >365	217 263 324	190 222 286	18 8 2
MARTINEZ WATER PLANT	36 32 28	Jan22 Nov28 -	Mar10 Feb03 -	Apr25 Mar27 Jan28	Oct31 Nov11 Dec11	Nov18 Dec14 -	Dec07 - -	301 >365 >365	250 315 >365	205 254 341	9 3 1

MARYSVILLE	36 32 28	Feb04 Dec22 -	Mar09 Jan25 Dec21	Apr10 Feb26 Feb03		Nov03 Nov17 Dec06	Nov20 Dec09 Jan17	Dec06 Jan02 -	294 361 >365	255 315 >365	217 280 320	10 3 1
MC CLOUD	36 32 28	Jun01 May18 Apr21	Jun20 Jun01 May08	Jul10 Jun15 May25		Aug28 Sep17 Sep30	Sep14 Oct03 Oct16	Oct01 Oct18 Nov01	110 146 182	85 123 160	60 100 139	57 44 28
MECCA FIRE STATION	36 32 28	Jan27 Dec26 -	Feb25 Jan31 Jan08	Mar26 Mar08 Feb09		Nov06 Nov08 Nov26	Nov20 Dec02 Dec21	Dec04 Dec25 -	303 348 >365	267 299 350	232 261 292	10 4 1
MERCED	36 32 28	Mar07 Jan28 Dec15	Apr05 Mar05 Feb01	May04 Apr10 Mar16		Oct06 Oct29 Nov14	Nov02 Nov16 Dec08	Nov28 Dec04 Jan02	253 297 >365	210 256 306	166 214 256	16 8 3
MINERAL	36 32 28	Jun30 Jun05 May13	Jul15 Jun27 Jun02	Jul30 Jul18 Jun21		Aug01 Aug12 Sep09	Aug12 Sep05 Sep27	Aug24 Sep29 Oct16	45 106 142	27 70 117	10 35 92	71 57 39
MITCHELL CAVERNS	36 32 28	Mar19 Feb16 -	Apr18 Mar26 Feb02	May18 May03 Mar25		Oct19 Oct30 Nov15	Nov11 Nov24 Dec11	Dec04 Dec18 -	246 284 >365	206 242 311	166 199 251	14 6 2
MODESTO CITY-COUNTY AP	36 32 28	Jan26 Dec29 -	Mar02 Feb01 Jan01	Apr05 Mar03 Feb02		Nov05 Nov16 Dec03	Nov21 Dec08 Jan01	Dec07 Jan02 -	309 >365 >365	264 307 >365	219 268 313	9 4 1
MOJAVE	36 32 28	Mar19 Feb20 Jan19	Apr14 Mar20 Feb22	May11 Apr17 Mar28		Oct19 Oct29 Nov05	Nov01 Nov12 Nov21	Nov14 Nov26 Dec06	232 272 308	200 236 271	168 200 234	22 13 6
MONTEREY	36 32 28	- - -	Jan30 - -	Mar24 Jan27 Dec15		Nov21 Dec18 Jan16	Dec24 - -	- - -	>365 >365 >365	332 >365 >365	278 >365 >365	2 0 0
MORRO BAY FIRE DEPT	36 32 28	Jan11 - -	Mar18 Dec18 -	May08 Mar03 Jan29		Oct31 Nov21 Jan02	Dec22 Jan22 -	Feb28 - -	>365 >365 >365	272 >365 >365	213 281 >365	5 1 0
MOUNTAIN PASS	36 32 28	Apr15 Mar19 Feb23	May07 Apr19 Mar31	May29 May19 May06		Oct07 Oct14 Nov01	Oct24 Nov01 Nov17	Nov10 Nov20 Dec03	197 233 274	170 196 230	142 159 187	32 22 12
MOUNT DIABLO JUNCTION	36 32 28	Mar29 Jan22 -	Apr20 Mar13 Jan10	May13 May02 Mar07		Oct29 Nov12 Dec01	Nov20 Dec13 Jan17	Dec12 Jan14 -	241 331 >365	213 272 >365	185 219 315	12 4 1
MOUNT HAMILTON	36 32 28	May11 Apr09 Mar13	May29 May08 Apr13	Jun17 Jun06 May14		Oct07 Oct19 Nov07	Oct27 Nov15 Dec07	Nov15 Dec12 Jan06	178 229 279	150 190 237	121 151 196	24 14 5
MOUNT HEBRON RNG STN	36 32 28	Jun29 Jun09 May21	Jul16 Jul01 Jun07	Aug01 Jul23 Jun24		Aug02 Aug06 Aug26	Aug18 Aug26 Sep14	Sep02 Sep14 Oct03	57 88 125	32 55 98	8 22 71	71 58 44
MOUNT SHASTA	36 32 28	May30 May05 Apr11	Jun17 May25 Apr30	Jul05 Jun13 May19		Aug31 Sep13 Oct07	Sep16 Sep30 Oct22	Oct02 Oct17 Nov06	113 153 202	90 128 174	67 102 147	51 38 22
MT WILSON NO 2	36 32 28	Apr26 Apr11 Mar18	May20 May09 Apr18	Jun13 Jun06 May15		Oct01 Sep26 Oct27	Oct28 Nov17 Nov25	Nov24 Jan09 Dec28	198 231 273	160 187 222	122 146 182	22 13 6
NAPA STATE HOSPITAL	36 32 28	Mar05 Jan10 -	Apr05 Feb22 Jan02	May05 Apr06 Feb08		Oct30 Nov05 Nov27	Nov15 Dec05 Dec30	Nov30 Jan05 -	258 348 >365	223 285 362	188 227 310	12 5 1
NEEDLES AP	36 32 28	Jan10 - -	Feb07 Jan07 -	Mar06 Feb09 Jan18		Nov14 Dec02 Dec19	Dec05 Dec26 -	Dec26 - -	334 >365 >365	299 >365 >365	267 306 357	3 1 0
NEVADA CITY	36 32 28	Apr15 Mar22 Feb08	May14 Apr24 Mar19	Jun12 May27 Apr26		Sep25 Oct08 Oct25	Oct21 Nov03 Nov25	Nov15 Nov29 Dec26	206 239 309	159 192 250	113 145 192	33 21 8

NEWARK (OAKLAND)	36 32 28	- - -	Jan30 Dec15 -	Mar15 Jan31 Jan08	Nov21 Dec06 Dec20	Dec23 Jan24 -	- - -	>365 >365 >365	332 >365 >365	267 326 >365	4 1 0
NEWMAN	36 32 28	Mar12 Jan25 Dec08	Apr04 Mar01 Jan23	Apr27 Apr04 Feb28	Oct29 Nov04 Nov13	Nov13 Nov24 Dec10	Nov28 Dec14 Jan13	249 307 >365	222 268 317	194 228 269	16 8 3
NEWPORT BEACH HARBOR	36 32 28	- - -	- - -	Jan30 - -	Dec13 - -	- - -	- - -	>365 >365 >365	>365 >365 >365	332 >365 >365	0 0 0
NORTH FORK R S	36 32 28	Apr30 Apr07 Mar06	May20 May02 Apr06	Jun09 May28 May08	Oct05 Oct16 Oct29	Oct21 Nov02 Nov16	Nov05 Nov19 Dec04	176 209 259	153 183 223	129 156 188	37 24 11
OAKLAND MUSEUM	36 32 28	- - -	Jan06 - -	Feb21 Jan17 -	Dec10 Dec26 -	Jan17 - -	- - -	>365 >365 >365	>365 >365 >365	308 >365 >365	1 0 0
OCEANSIDE MARINA	36 32 28	- - -	Jan26 - -	Mar20 Jan27 -	Nov16 Dec25 -	Dec23 - -	- - -	>365 >365 >365	330 >365 >365	264 335 >365	1 0 0
OJAI	36 32 28	Mar15 Jan29 -	Apr11 Mar05 Jan13	May08 Apr09 Feb17	Oct21 Oct29 Nov21	Nov08 Nov23 Dec16	Nov26 Dec18 -	247 300 >365	210 262 335	174 224 291	17 6 2
ORICK PRAIRIE CREEK PARK	36 32 28	May05 Apr03 Dec31	May28 May02 Feb23	Jun21 May31 Apr12	Sep05 Oct10 Nov05	Oct01 Nov03 Dec13	Oct27 Nov26 Jan25	163 223 >365	125 184 285	88 145 229	24 12 3
ORLAND	36 32 28	Mar03 Jan21 Dec15	Apr04 Mar03 Jan25	May06 Apr12 Mar02	Oct29 Nov10 Nov18	Nov15 Nov28 Dec17	Dec01 Dec17 Jan19	262 314 >365	224 270 323	187 226 286	15 7 2
ORLEANS	36 32 28	Apr10 Feb16 Dec12	Apr27 Mar24 Jan29	May15 Apr29 Mar14	Oct07 Oct19 Nov05	Nov01 Nov17 Dec09	Nov26 Dec16 Jan21	219 283 >365	187 238 308	155 192 255	19 9 3
OROVILLE	36 32 28	Feb11 Dec21 -	Mar29 Feb10 Jan11	May13 Apr03 Feb14	Oct27 Nov02 Dec01	Nov19 Dec02 Dec28	Dec12 Jan01 -	291 >365 >365	235 292 >365	178 231 304	13 5 2
OXNARD (CAMARILLO)	36 32 28	- - -	Jan10 - -	May02 Dec23 -	Dec07 Jan20 -	Jan28 - -	- - -	>365 >365 >365	>365 >365 >365	295 >365 >365	1 0 0
PALMDALE (LANCASTER)	36 32 28	Mar21 Mar05 Jan20	Apr18 Apr03 Feb27	May16 May02 Apr06	Oct07 Oct22 Nov05	Oct26 Nov09 Nov22	Nov14 Nov26 Dec09	229 255 309	190 219 267	151 183 225	25 15 7
PALM SPRINGS	36 32 28	Dec25 - -	Feb07 Jan04 -	Mar23 Mar07 Jan13	Nov15 Nov29 Dec17	Dec15 Feb01 -	Jan18 - -	>365 >365 >365	311 >365 >365	262 309 359	3 1 0
PALO ALTO	36 32 28	Feb06 Dec20 -	Mar15 Feb03 Dec20	Apr22 Mar16 Feb01	Oct30 Nov09 Dec06	Nov18 Dec11 Jan15	Dec06 Jan15 -	292 >365 >365	247 309 >365	202 258 330	12 4 1
PALOMAR MOUNTAIN OBS	36 32 28	May04 Apr14 Mar09	May27 May10 Apr11	Jun18 Jun06 May15	Sep29 Oct18 Nov01	Oct26 Nov09 Nov29	Nov22 Dec01 Dec27	184 218 277	152 182 231	120 146 184	29 18 9
PARADISE	36 32 28	Mar10 Jan27 -	Apr07 Mar06 Jan12	May06 Apr14 Feb19	Oct29 Nov09 Dec02	Nov16 Dec05 Jan07	Dec03 Dec30 -	258 317 >365	222 273 >365	185 228 306	12 5 1
PARKER RESEVOIR	36 32 28	Dec02 - -	Jan22 Dec05 -	Mar03 Jan26 Dec21	Nov30 Dec10 Jan14	Dec19 - -	- - -	>365 >365 >365	331 >365 >365	284 331 >365	2 1 0
PASADENA	36 32 28	- - -	Feb01 - -	Mar19 Feb08 Jan06	Nov17 Dec12 Jan24	Dec29 - -	- - -	>365 >365 >365	328 >365 >365	264 >365 >365	2 0 0

PASO ROBLES	36 32 28	Apr05 Feb26 Jan02	May07 Apr05 Feb18	Jun08 May14 Apr06	Sep27 Oct11 Oct29	Oct16 Oct29 Nov19	Nov04 Nov16 Dec11	205 252 331	161 206 271	118 160 217	27 17 8
PASO ROBLES MUNICIPAL AP	36 32 28	Apr19 Feb23 Jan01	May06 Apr03 Feb15	May24 May11 Apr01	Oct07 Oct21 Oct29	Oct24 Nov05 Nov22	Nov09 Nov19 Dec17	192 256 334	170 216 278	147 175 227	25 14 6
PETALUMA FIRE STA 2	36 32 28	Feb28 Jan13 -	Apr06 Feb28 Jan23	May12 Apr15 Mar16	Oct10 Oct29 Nov21	Nov06 Nov27 Dec29	Dec04 Dec26 -	262 328 >365	214 270 342	166 217 264	14 6 1
PINNACLES NATL MONUMENT	36 32 28	May04 Mar20 Jan28	May25 Apr19 Mar10	Jun15 May18 Apr19	Sep27 Oct16 Nov02	Oct14 Nov03 Nov23	Oct31 Nov20 Dec13	171 234 300	141 197 257	112 161 215	31 17 7
PISMO BEACH	36 32 28	Jan07 - -	Mar12 Jan18 -	May09 Mar29 Jan23	Oct31 Nov28 Dec09	Dec07 Dec29 -	Jan17 - -	>365 >365 >365	267 >365 >365	196 262 354	6 2 1
PLACERVILLE	36 32 28	Apr04 Mar10 Jan15	May02 Apr10 Feb28	May30 May10 Apr13	Oct11 Oct20 Nov04	Oct29 Nov09 Nov25	Nov17 Nov29 Dec16	217 254 325	180 212 267	142 171 214	27 15 6
POMONA FAIRPLEX	36 32 28	Feb13 - -	Mar12 Jan19 -	Apr08 Mar05 Jan30	Nov04 Dec03 Dec24	Nov25 Dec21 -	Dec16 - -	289 >365 >365	257 334 >365	226 288 >365	6 1 0
PORTERVILLE	36 32 28	Feb03 Dec30 -	Mar14 Feb08 Jan02	Apr22 Mar20 Feb08	Nov03 Nov11 Nov23	Nov17 Nov28 Dec20	Nov30 Dec15 -	291 343 >365	247 291 360	203 245 295	13 5 1
PORTOLA	36 32 28	Jun30 Jun05 May16	Jul15 Jun26 Jun09	Jul29 Jul18 Jun03	Aug01 Aug08 Aug27	Aug12 Aug29 Sep21	Aug23 Sep20 Oct16	49 98 142	28 63 103	6 28 64	73 60 45
POTTER VALLEY P H	36 32 28	Apr26 Mar19 Jan28	May14 Apr14 Mar03	Jun01 May10 Apr06	Oct03 Oct19 Nov01	Oct19 Nov06 Nov25	Nov04 Nov23 Dec18	181 235 315	157 205 266	133 175 217	26 15 7
PRIEST VALLEY	36 32 28	May19 May01 Mar30	Jun12 May22 Apr28	Jul06 Jun11 May26	Sep09 Sep26 Oct09	Sep29 Oct13 Oct29	Oct19 Oct31 Nov17	135 172 220	108 144 183	82 116 146	44 31 19
QUINCY	36 32 28	Jun20 May16 Apr16	Jul09 Jun13 May09	Jul28 Jul10 Jun01	Jul31 Aug11 Sep05	Aug22 Sep08 Sep29	Sep15 Oct06 Oct22	81 130 184	44 86 142	7 43 100	64 49 33
RANDSBURG	36 32 28	Mar13 Feb22 Dec19	Apr10 Mar20 Feb13	May08 Apr14 Apr05	Oct23 Oct31 Nov14	Nov10 Nov23 Dec11	Nov28 Dec17 Jan10	246 286 >365	213 248 295	181 209 245	17 8 3
RED BLUFF AP	36 32 28	Feb23 Jan17 -	Mar26 Feb22 Jan16	Apr26 Mar29 Feb19	Oct30 Nov10 Nov24	Nov13 Dec01 Dec1	Nov27 Dec21 -	267 320 >365	231 281 337	196 243 301	13 6 1
REDLANDS	36 32 28	Feb07 - -	Mar15 Jan26 Dec18	Apr21 Mar08 Jan28	Nov02 Nov15 Dec01	Nov26 Dec15 Jan24	Dec21 - -	303 >365 >365	255 322 >365	207 267 318	6 2 0
REDWOOD CITY	36 32 28	Jan31 Dec26 -	Mar06 Jan28 -	Apr09 Feb28 Feb01	Oct31 Nov18 Dec14	Nov22 Dec18 -	Dec15 Jan25 -	304 >365 >365	260 321 >365	217 281 342	9 3 1
RICHARDSON GR ST PK	36 32 28	Mar31 Jan23 -	Apr19 Mar04 Jan04	May08 Apr13 Feb15	Oct18 Nov04 Nov19	Nov03 Dec02 Dec27	Nov19 Dec30 -	218 323 >365	197 270 >365	176 222 293	18 7 2
RICHMOND	36 32 28	- - -	Feb05 - -	Mar12 Feb10 -	Nov21 Dec20 -	Dec19 - -	- - -	>365 >365 >365	320 >365 >365	264 332 >365	3 0 0
RIVERSIDE FIRE STA 3	36 32 28	Jan27 - -	Mar05 Jan26 -	Apr11 Mar07 Jan19	Nov06 Nov18 Dec08	Nov27 Dec23 -	Dec19 - -	307 >365 >365	266 329 >365	226 272 >365	6 2 0

RIVERSIDE CITRUS EXP STN	36 32 28	Jan30 - -	Feb27 Jan04 -	Mar27 Feb19 Dec11	Nov08 Nov21 Dec18	Dec04 Dec31 -	Dec30 - -	317 >365 >365	279 >365 >365	241 294 >365	4 1 0
SACRAMENTO AP	36 32 28	Feb15 Dec30 -	Mar18 Feb10 Jan07	Apr18 Mar20 Feb07	Nov03 Nov08 Nov30	Nov18 Dec04 Dec24	Dec02 Jan01 -	276 354 >365	244 296 >365	213 250 306	11 4 1
SACRAMENTO 5 ESE	36 32 28	Jan04 - -	Feb07 Jan07 -	Mar14 Feb13 Jan06	Nov14 Nov26 Dec26	Dec03 Dec25 -	Dec22 - -	340 >365 >365	296 >365 >365	257 296 >365	5 1 0
SAGEHEN CREEK	36 32 28	Jul26 Jul08 Jun23	Jul30 Jul22 Jul09	Aug02 Aug05 Jul25	Jul31 Jul31 Aug02	Aug03 Aug07 Aug19	Aug07 Aug15 Sep04	9 31 65	4 16 40	0 0 14	88 75 58
SAINT HELENA	36 32 28	Mar10 Jan16 -	Apr09 Mar04 Jan17	May10 Apr21 Feb24	Oct23 Oct29 Nov20	Nov10 Nov27 Dec18	Nov27 Dec27 -	252 333 >365	213 263 331	175 209 281	16 7 2
SALINAS NO 2	36 32 28	Jan30 Nov29 -	Mar08 Jan26 -	Apr15 Mar12 Feb02	Oct29 Nov15 Dec16	Nov21 Dec13 -	Dec15 Jan19 -	306 >365 >365	257 314 >365	208 267 355	7 2 0
SALINAS AP	36 32 28	Feb03 Dec10 -	Mar14 Jan22 -	Apr21 Mar01 Jan24	Oct31 Nov17 Dec17	Nov20 Dec10 -	Dec09 Jan06 -	295 >365 >365	250 319 >365	205 271 >365	7 2 0
SAN BERNARDINO F S 226	36 32 28	Jan19 - -	Feb27 Jan21 -	Apr07 Mar09 Feb01	Nov07 Nov23 Dec18	Nov29 Dec24 -	Dec21 - -	321 >365 >365	274 349 >365	227 265 >365	5 1 0
SANDBERG	36 32 28	Apr13 Mar19 Jan24	May07 Apr21 Mar14	Jun01 May24 May03	Oct12 Oct30 Nov04	Nov01 Nov19 Dec03	Nov22 Dec09 Jan01	214 254 331	177 211 261	140 168 197	22 12 5
SAN DIEGO LINDBERGH AP	36 32 28	- - -	- - -	Dec28 - -	Dec29 - -	- - -	- - -	>365 >365 >365	>365 >365 >365	>365 >365 >365	0 0 0
SAN FRANCISCO OCEANSIDE	36 32 28	- - -	Jan19 Dec16 -	Mar10 Feb02 -	Nov28 Dec26 -	Dec28 - -	- - -	>365 >365 >365	349 >365 >365	279 339 >365	2 0 0
SAN FRANCISCO INTL AP	36 32 28	Dec12 - -	Jan22 - -	Feb24 Jan23 -	Nov24 Dec21 -	Dec26 - -	- - -	>365 >365 >365	333 >365 >365	294 351 >365	2 0 0
SAN FRANCISCO DOWNTOWN	36 32 28	- - -	- - -	Jan30 Dec22 -	Jan13 Mar04 -	- - -	- - -	>365 >365 >365	>365 >365 >365	>365 >365 >365	0 0 0
SAN GABRIEL FIRE DEPT	36 32 28	Jan11 - -	Feb17 Jan11 -	Mar26 Feb20 Jan22	Nov10 Dec01 Dec30	Dec05 Jan05 -	Dec31 - -	336 >365 >365	288 >365 >365	244 302 >365	4 1 0
SAN GREGORIO 2 SE	36 32 28	Apr05 Jan12 -	May05 Mar03 -	Jun03 Apr23 Feb27	Oct04 Oct21 Dec05	Oct26 Nov30 -	Nov17 Jan10 -	211 340 >365	173 266 >365	136 209 318	13 4 0
SAN JOSE	36 32 28	Jan12 - -	Feb13 Jan11 -	Mar17 Feb10 Jan16	Oct31 Nov24 Dec14	Nov29 Dec26 -	Dec27 - -	335 >365 >365	286 358 >365	243 301 >365	6 2 0
SAN LUIS DAM	36 32 28	Jan30 Dec26 -	Mar03 Feb01 Jan05	Apr04 Mar02 Feb08	Nov09 Nov19 Dec06	Nov22 Dec09 Jan04	Dec05 Jan03 -	296 >365 >365	263 307 >365	230 276 310	10 4 1
SAN LUIS OBISPO POLYTECH	36 32 28	Jan26 - -	Mar19 Jan24 -	May10 Mar29 Jan16	Oct26 Nov10 Dec23	Dec01 Dec30 -	Jan06 - -	325 >365 >365	252 >365 >365	196 247 352	5 1 0
SAN RAFAEL CIVIC CENTER	36 32 28	Jan18 - -	Mar18 Jan24 -	May16 Apr15 Mar21	Nov01 Nov19 Dec08	Dec05 Jan02 -	Jan08 - -	331 >365 >365	261 >365 >365	192 242 365	5 1 0

SANTA ANA FIRE STATION	36 32 28	- - -	Dec19 - -	Feb25 - -	Dec04 - -	Jan20 - -	- - -	>365 >365 >365	>365 >365 >365	298 >365 >365	1 0 0
SANTA BARBARA	36 32 28	- - -	Jan12 - -	Mar19 Jan28 -	Nov25 Dec19 -	Jan01 - -	- - -	>365 >365 >365	>365 >365 >365	276 334 >365	1 0 0
SANTA BARBARA MNCPL AP	36 32 28	Jan06 - -	Feb16 Jan10 -	Mar25 Feb18 Jan19	Nov04 Nov18 Dec28	Nov25 Dec16 -	Dec17 - -	344 >365 >365	281 349 >365	231 279 >365	7 2 0
SANTA CRUZ	36 32 28	Feb17 Dec21 -	Mar29 Feb07 -	May07 Mar16 Feb07	Oct28 Nov12 Dec09	Nov20 Dec17 -	Dec12 - -	288 >365 >365	235 310 >365	183 257 306	10 3 0
SANTA MARIA AP	36 32 28	Mar11 Jan14 -	Apr16 Jan04 Jan04	May22 Apr28 Feb21	Oct23 Nov06 Nov18	Nov11 Nov30 Jan05	Nov30 Dec25 -	250 329 >365	208 268 >365	166 207 289	13 5 1
SANTA MONICA PIER	36 32 28	- - -	- - -	- - -	- - -	- - -	- - -	>365 >365 >365	>365 >365 >365	>365 >365 >365	0 0 0
SANTA PAULA	36 32 28	Feb14 Dec01 -	Mar21 Jan22 -	Apr25 Mar09 Feb02	Oct28 Nov11 Dec07	Nov21 Dec14 -	Dec14 Jan20 -	287 >365 >365	241 325 >365	199 274 319	7 2 0
SANTA ROSA	36 32 28	Feb28 Jan10 -	Mar31 Feb21 Jan11	May01 Apr05 Feb19	Oct27 Nov05 Nov25	Nov15 Dec07 Dec27	Dec03 Jan08 -	272 351 >365	228 287 350	184 228 291	13 5 1
SCOTIA	36 32 28	Feb21 Dec26 -	Mar27 Feb09 Dec23	Apr30 Mar23 Feb03	Oct22 Nov11 Dec04	Nov14 Dec14 Feb14	Dec06 Jan25 -	270 >365 >365	231 304 >365	192 250 322	11 3 1
SHASTA DAM	36 32 28	Feb20 Dec26 -	Mar22 Feb14 -	Apr21 Apr01 Jan29	Nov04 Nov15 Dec01	Nov29 Dec18 -	Dec25 Jan24 -	296 >365 >365	252 307 >365	208 242 >365	8 3 0
SIERRA CITY	36 32 28	May17 Apr25 Mar17	Jun08 May20 Apr18	Jun29 Jun13 May21	Sep11 Oct04 Oct17	Oct07 Oct25 Nov08	Nov01 Nov15 Dec01	147 193 245	120 158 203	93 122 161	46 32 15
SIERRAVILLE R S	36 32 28	Jun23 May29 May03	Jul10 Jun19 May25	Jul28 Jul11 Jun17	Aug01 Aug20 Sep05	Aug15 Sep05 Sep23	Aug30 Sep22 Oct12	59 101 153	36 77 121	12 54 88	67 56 44
SONOMA	36 32 28	Mar17 Jan29 Dec24	Apr19 Mar10 Jan29	May21 Apr19 Mar04	Oct02 Oct22 Nov12	Oct29 Nov21 Dec14	Nov24 Dec20 Jan19	238 303 >365	192 252 315	146 206 275	17 8 3
SONORA RS	36 32 28	Apr22 Mar22 Feb13	May16 Apr19 Mar24	Jun09 May17 May01	Sep27 Oct17 Nov04	Oct19 Nov04 Nov20	Nov10 Nov22 Dec07	193 233 281	156 199 241	118 164 200	33 20 8
SOUTH ENTR YOSEMITE NP	36 32 28	May26 May15 Apr13	Jun15 May30 May05	Jul05 Jun14 May27	Sep02 Sep18 Oct03	Sep21 Oct10 Oct25	Oct11 Nov01 Nov16	121 156 206	97 133 172	74 109 138	55 44 26
STOCKTON AP	36 32 28	Feb14 Jan12 -	Mar16 Feb13 Jan11	Apr16 Mar14 Feb14	Nov02 Nov14 Nov25	Nov16 Nov30 Dec21	Nov29 Dec17 -	278 333 >365	244 288 344	209 254 293	12 5 1
STOCKTON FIRE STN # 4	36 32 28	Mar02 Jan15 -	Apr12 Feb27 Jan21	May23 Apr10 Mar03	Oct04 Oct27 Nov15	Nov01 Nov20 Dec13	Nov29 Dec15 -	262 318 >365	202 266 326	142 213 275	16 8 2
STONY GORGE RESERVOIR	36 32 28	Apr02 Mar10 Jan16	Apr25 Apr04 Feb22	May19 Apr29 Mar30	Oct12 Oct31 Nov07	Oct28 Nov14 Nov30	Nov13 Nov27 Dec23	217 256 327	185 223 280	153 191 233	26 15 6
STRAWBERRY VALLEY	36 32 28	May17 Apr29 Apr02	Jun06 May19 Apr23	Jun26 Jun09 May15	Sep11 Sep28 Oct17	Oct05 Oct21 Nov07	Oct29 Nov12 Nov28	149 188 230	121 153 197	92 119 164	45 31 15

SUSANVILLE 2 SW	36 32 28	May26 May09 Apr19	Jun21 May29 May10	Jul17 Jun17 Jun01	Aug16 Sep04 Sep18	Sep05 Sep21 Oct06	Sep26 Oct08 Oct24	113 149 181	76 115 148	38 81 115	57 45 33
TAHOE CITY	36 32 28	Jun23 May30 May09	Jul06 Jun18 May28	Jul18 Jul07 Jun16	Aug10 Aug27 Sep19	Aug27 Sep19 Oct09	Sep12 Oct11 Oct29	76 118 161	52 92 133	27 66 106	68 56 41
TAHOE VALLEY AP	36 32 28	Jul09 Jun27 May27	Jul22 Jul13 Jun15	Aug04 Jul30 Jul05	Jul29 Aug01 Aug18	Aug09 Aug20 Sep12	Aug20 Sep09 Oct07	37 70 123	17 37 88	0 5 53	77 64 49
TEJON RANCHO	36 32 28	Feb23 Jan19 Dec14	Mar28 Feb26 Jan24	Apr29 Apr06 Mar01	Oct24 Nov09 Nov24	Nov11 Nov27 Dec17	Nov29 Dec15 Jan16	266 318 >365	228 273 326	189 227 274	17 9 3
THERMAL RGNL AP	36 32 28	Feb02 Jan08 -	Mar01 Feb07 Jan16	Mar28 Mar08 Feb16	Nov01 Nov08 Nov18	Nov16 Dec02 Dec17	Dec01 Dec27 -	290 337 >365	260 298 334	230 259 282	10 5 2
THREE RIVERS EDISON PH 1	36 32 28	Mar10 Feb07 Nov27	Apr07 Mar16 Jan24	May05 Apr22 Mar11	Oct25 Nov05 Nov10	Nov08 Nov21 Dec12	Nov21 Dec07 -	242 286 >365	214 250 320	185 213 264	19 9 2
TORRANCE	36 32 28	- - -	Dec27 - -	Feb26 Jan15 -	Dec04 Dec29 -	Jan15 - -	- - -	>365 >365 >365	>365 >365 >365	314 >365 >365	1 0 0
TRACY CARBONA	36 32 28	Feb18 Jan15 Dec13	Mar24 Feb16 Jan14	Apr27 Mar19 Feb08	Nov01 Nov03 Nov28	Nov16 Dec01 Dec20	Nov30 Dec29 Jan17	271 324 >365	236 284 338	200 249 304	14 6 2
TRACY PUMPING PLANT	36 32 28	Feb02 Dec29 -	Mar05 Feb03 Jan11	Apr04 Mar08 Feb11	Nov02 Nov11 Nov26	Nov19 Dec03 Dec21	Dec06 Dec28 -	297 >365 >365	259 299 351	220 258 299	11 5 2
TRONA	36 32 28	Jan31 Jan14 -	Mar11 Feb22 Jan28	Apr16 Mar30 Mar03	Oct21 Nov01 Nov14	Nov23 Dec04 Dec12	Dec30 Jan16 -	>365 >365 >365	250 280 318	207 233 270	16 9 4
TRUCKEE RS	36 32 28	Jun30 Jun15 May20	Jul16 Jul04 Jun12	Jul31 Jul22 Jul04	Jul31 Aug13 Aug24	Aug13 Sep01 Sep16	Aug26 Sep21 Oct10	51 89 131	27 59 96	3 28 60	74 63 48
TULELAKE	36 32 28	Jun19 May24 May01	Jul07 Jun11 May19	Jul25 Jun29 Jun05	Aug05 Aug24 Sep07	Aug23 Sep08 Sep23	Sep10 Sep23 Oct10	71 112 152	46 88 127	22 65 101	64 51 38
TUSTIN IRVINE RANCH	36 32 28	- - -	Feb24 Jan08 -	Apr05 Feb16 Jan13	Nov10 Nov18 Dec19	Nov29 Jan03 -	- - -	>365 >365 >365	279 >365 >365	233 291 >365	5 1 0
TWENTYNINE PALMS	36 32 28	Feb27 Feb05 Dec30	Mar27 Mar06 Feb01	Apr25 Apr04 Mar02	Oct27 Nov03 Nov10	Nov10 Nov20 Dec06	Nov25 Dec08 Jan03	264 294 >365	227 259 306	190 225 263	15 8 3
TWIN LAKES	36 32 28	Jun21 Jun06 May25	Jul11 Jun30 Jun17	Jul31 Jul23 Jul09	Aug03 Aug13 Aug27	Aug21 Sep06 Sep25	Sep09 Sep29 Oct24	74 108 139	40 67 99	7 27 60	71 61 49
TWITCHELL DAM	36 32 28	Feb13 - -	Apr03 Feb13 Jan03	May21 Apr03 Feb15	Oct20 Nov09 Nov22	Nov15 Dec08 Jan02	Dec11 - -	283 >365 >365	226 301 >365	168 235 292	10 3 1
UKIAH	36 32 28	Mar30 Feb16 Dec23	Apr20 Mar18 Feb01	May11 Apr17 Mar10	Oct22 Oct29 Nov07	Nov02 Nov16 Dec10	Nov13 Dec05 Jan16	219 282 >365	195 242 309	171 203 266	18 9 3
U C L A	36 32 28	- - -	- - -	Dec23 - -	Feb06 - -	- - -	- - -	>365 >365 >365	>365 >365 >365	>365 >365 >365	0 0 0
VACAVILLE	36 32 28	Feb26 Jan17 -	Apr02 Mar02 Jan14	May06 Apr15 Feb18	Oct27 Nov06 Nov24	Nov14 Nov26 Dec20	Dec01 Dec15 -	270 317 >365	225 268 340	180 219 292	15 6 2

VICTORVILLE PUMP PLANT	36 32 28	Mar26 Mar11 Feb07	Apr25 Apr02 Mar05	May25 Apr24 Mar31	Oct08 Oct22 Oct31	Oct23 Nov03 Nov16	Nov07 Nov15 Dec01	211 239 284	180 214 255	150 189 226	29 19 10
VISALIA	36 32 28	Jan28 Dec22 -	Mar02 Jan28 Dec24	Apr05 Mar02 Feb05	Nov04 Nov12 Dec07	Nov20 Dec06 Jan12	Dec07 Dec31 -	302 363 >365	262 309 >365	222 267 315	11 4 1
VISTA 2 NNE	36 32 28	- - -	Feb06 - -	Apr01 Feb15 Jan12	Nov20 Dec16 Dec31	Jan01 - -	- - -	>365 >365 >365	330 >365 >365	250 313 >365	2 0 0
WASCO	36 32 28	Feb18 Jan18 Dec11	Mar17 Feb18 Jan12	Apr13 Mar21 Feb11	Oct27 Nov07 Nov19	Nov10 Nov22 Dec11	Nov24 Dec07 Jan03	269 309 >365	237 276 327	206 243 294	15 8 3
WATSONVILLE WATERWORKS	36 32 28	Feb16 Dec18 -	Mar24 Feb11 -	Apr29 Apr03 Jan27	Oct31 Nov06 Dec11	Nov17 Dec10 -	Dec05 Jan16 -	283 >365 >365	238 301 >365	192 232 338	10 3 0
WEAVERVILLE	36 32 28	May23 Apr30 Apr07	Jun11 May21 Apr28	Jun30 Jun10 May20	Aug30 Sep19 Oct02	Sep18 Oct06 Oct21	Oct07 Oct23 Nov10	129 166 207	99 138 175	68 110 143	48 34 20
WHISKEYTOWN RESERVOIR	36 32 28	Mar11 Feb07 -	Apr08 Mar10 Jan14	May06 Apr16 Mar26	Oct22 Nov01 Nov15	Nov13 Nov25 Dec26	Dec04 Dec20 -	253 298 >365	218 259 >365	183 220 287	17 7 2
WILDROSE R S	36 32 28	Apr11 Mar17 Feb23	May06 Apr16 Mar26	May31 May16 Apr26	Oct12 Oct17 Nov02	Oct26 Nov05 Nov21	Nov10 Nov24 Dec10	205 241 279	173 202 239	141 164 198	33 22 11
WILLITS 1 NE	36 32 28	May25 Apr16 Feb21	Jun13 May11 Apr01	Jul02 Jun05 May10	Aug19 Sep21 Oct04	Sep17 Oct09 Nov01	Oct15 Oct28 Nov30	130 177 267	95 151 214	60 124 160	36 21 10
WILLOW CREEK 1 NW	36 32 28	Apr20 Mar14 Jan08	May11 Apr15 Mar04	Jun01 May17 Apr27	Sep15 Sep26 Oct11	Oct13 Nov02 Nov28	Nov10 Dec10 Jan15	189 250 360	155 201 266	120 152 192	27 12 5
WILLOWS 6 W	36 32 28	Mar30 Jan29 Dec08	Apr21 Mar12 Feb03	May12 Apr24 Mar19	Oct26 Nov07 Nov17	Nov10 Nov24 Dec10	Nov24 Dec11 Jan07	228 299 >365	202 256 313	177 214 269	17 8 3
WINTERS	36 32 28	Feb19 Jan02 -	Mar20 Feb09 Jan05	Apr19 Mar20 Jan27	Nov02 Nov09 Nov30	Nov19 Dec07 Dec23	Dec05 Jan04 -	282 340 >365	243 300 355	204 260 318	12 5 1
WOODLAND 1 WNW	36 32 28	Feb10 Dec31 -	Mar16 Jan31 Dec30	Apr20 Feb28 Feb01	Nov05 Nov13 Dec02	Nov20 Dec04 Dec31	Dec05 Dec28 -	290 355 >365	248 305 >365	206 267 307	11 5 1
YOSEMITE PARK HDQTRS	36 32 28	May01 Mar30 Mar05	May25 May02 Apr03	Jun18 Jun04 May02	Sep23 Oct07 Oct20	Oct12 Oct26 Nov09	Oct31 Nov14 Nov30	170 222 256	139 176 220	109 130 184	45 33 17
YREKA SISKIYOU CO	36 32 28	May24 May06 Apr08	Jun12 May22 Apr28	Jun30 Jun07 May17	Aug31 Sep23 Oct11	Sep21 Oct06 Oct24	Oct12 Oct19 Nov06	129 161 202	101 136 179	72 111 155	52 39 25

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 (Aug 1 - Jul 31).  
(percent of days with temperatures at or below the threshold temperature)



Freeze / Frost Occurrence Data

All probabilities in whole percent. See notes for probability level description.  
- Indicates the probability of occurrence of threshold temperatureis less than indicated probability.

State And Station Name	Thresh old (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			Prob abil ity  (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
Colorado											
AKRON 4 E	36 32 28	May01 Apr29 Apr19	May20 May11 May01	Jun07 May23 May13	Sep09 Sep15 Sep23	Sep21 Sep27 Oct08	Oct02 Oct08 Oct24	144 157 182	123 138 160	102 120 138	54 47 38
ALAMOSA BERGMAN FIELD	36 32 28	Jun11 May26 May12	Jun28 Jun09 May28	Jul14 Jun23 Jun14	Aug13 Sep01 Sep10	Aug31 Sep14 Sep21	Sep17 Sep28 Oct02	85 114 130	63 97 115	41 80 101	69 62 56
ALTENBERN	36 32 28	May25 May08 Apr25	Jun18 May30 May13	Jul12 Jun20 May30	Aug23 Sep10 Sep13	Sep11 Sep23 Oct01	Sep30 Oct06 Oct19	119 144 166	84 116 140	48 88 115	61 53 43
ANTERO RESERVOIR	36 32 28	Jul12 Jun20 Jun01	Jul24 Jul07 Jun16	Aug04 Jul23 Jul02	Jul29 Aug05 Aug23	Aug08 Aug22 Sep08	Aug19 Sep09 Sep24	32 74 104	15 46 83	0 18 62	83 73 64
BAILEY	36 32 28	Jun22 Jun05 May15	Jul06 Jun24 May31	Jul21 Jul13 Jun16	Aug01 Aug20 Aug30	Aug21 Sep06 Sep15	Sep09 Sep23 Sep30	69 99 127	45 73 106	20 47 84	75 66 57
BLANCA	36 32 28	Jun03 May22 May03	Jun21 Jun06 May20	Jul09 Jun22 Jun05	Aug19 Sep06 Sep14	Sep06 Sep18 Sep26	Sep23 Sep30 Oct08	101 123 150	76 103 129	52 82 107	67 61 53
BLUE MESA LAKE	36 32 28	Jun09 May24 May09	Jun25 Jun09 May30	Jul11 Jun25 Jun20	Aug13 Aug24 Sep02	Sep01 Sep10 Sep20	Sep20 Sep26 Oct07	94 115 145	67 92 112	40 69 79	72 65 58
BONNY DAM 2 NE	36 32 28	Apr29 Apr24 Apr12	May15 May07 Apr25	May31 May21 May07	Sep14 Sep17 Sep30	Sep25 Oct03 Oct14	Oct07 Oct19 Oct27	150 169 190	132 148 171	114 127 153	52 46 37
BOULDER	36 32 28	May02 Apr24 Apr08	May16 May04 Apr22	May31 May14 May07	Sep14 Sep18 Sep23	Sep26 Oct02 Oct11	Oct08 Oct16 Oct30	151 170 193	132 151 171	113 131 149	47 39 30
BRIGGSDALE	36 32 28	May08 Apr28 Apr17	Jun02 May19 May08	Jun28 Jun09 May30	Sep02 Sep13 Sep20	Sep17 Sep23 Oct03	Oct01 Oct03 Oct16	137 147 172	105 126 147	74 105 121	58 51 43
BUENA VISTA 2 S	36 32 28	May29 May21 May01	Jun19 Jun08 May19	Jul10 Jun25 Jun06	Aug17 Aug28 Sep10	Sep04 Sep14 Sep26	Sep23 Oct02 Oct12	113 125 158	77 98 129	40 71 100	68 60 51
BURLINGTON 4 S	36 32 28	Apr30 Apr25 Apr05	May12 May06 Apr19	May23 May17 May03	Sep17 Sep21 Oct02	Sep29 Oct07 Oct16	Oct11 Oct23 Oct31	157 176 198	140 154 179	122 132 161	49 42 32
BYERS 5 ENE	36 32 28	May11 Apr28 Apr22	May27 May10 May02	Jun13 May23 May12	Sep10 Sep14 Sep19	Sep21 Sep27 Oct03	Oct01 Oct09 Oct16	135 159 171	115 139 153	96 118 135	56 49 41
CABIN CREEK	36 32 28	Jun19 Jun04 May24	Jul11 Jun24 Jun10	Aug01 Jul15 Jun27	Jul31 Aug22 Aug29	Aug20 Sep08 Sep16	Sep09 Sep24 Oct05	77 105 125	40 74 98	2 44 70	75 66 56

CAMPO 7 S	36 32 28	Apr 21 Apr 09 Mar 29	May 06 Apr 24 Apr 15	May 21 May 09 May 02	Sep 15 Sep 22 Sep 29	Sep 30 Oct 09 Oct 19	Oct 15 Oct 27 Nov 07	170 194 211	146 167 186	122 141 161	46 39 31
CANON CITY	36 32 28	Apr 26 Apr 13 Apr 03	May 16 May 04 Apr 18	Jun 04 May 24 May 04	Sep 15 Sep 20 Sep 29	Sep 28 Oct 04 Oct 16	Oct 11 Oct 18 Nov 02	154 178 206	134 153 180	115 128 153	46 38 30
CASTLE ROCK	36 32 28	May 13 May 03 Apr 22	May 30 May 22 May 06	Jun 16 Jun 11 May 19	Sep 05 Sep 12 Sep 19	Sep 18 Sep 24 Oct 02	Sep 30 Oct 07 Oct 14	132 151 170	110 124 148	88 98 126	58 51 41
CENTER 4 SSW	36 32 28	Jun 03 May 23 May 06	Jun 23 Jun 08 May 22	Jul 14 Jun 24 Jun 07	Aug 05 Aug 27 Sep 11	Aug 26 Sep 13 Sep 24	Sep 17 Sep 29 Oct 08	97 123 148	63 96 125	29 69 102	70 61 54
CHEESMAN	36 32 28	May 31 May 20 May 04	Jun 24 Jun 12 May 25	Jul 18 Jul 06 Jun 14	Aug 05 Aug 18 Sep 07	Aug 29 Sep 09 Sep 22	Sep 21 Oct 02 Oct 07	108 130 149	65 89 119	22 48 90	71 63 55
CHERRY CREEK DAM	36 32 28	May 10 Apr 30 Apr 23	May 26 May 17 May 04	Jun 11 Jun 02 May 15	Sep 11 Sep 15 Sep 20	Sep 22 Sep 27 Oct 05	Oct 03 Oct 09 Oct 21	139 156 175	118 132 154	96 109 132	55 47 38
CHEYENNE WELLS	36 32 28	Apr 30 Apr 20 Apr 12	May 14 May 05 Apr 25	May 27 May 20 May 07	Sep 13 Sep 15 Oct 03	Sep 25 Oct 01 Oct 17	Oct 07 Oct 17 Oct 31	151 169 191	133 148 175	116 127 158	49 43 34
CIMARRON	36 32 28	Jun 24 Jun 13 May 17	Jul 08 Jun 27 Jun 03	Jul 23 Jul 10 Jun 19	Aug 01 Aug 15 Sep 04	Aug 20 Sep 03 Sep 19	Sep 08 Sep 21 Oct 03	66 92 135	42 67 107	18 42 80	75 66 55
CLIMAX	36 32 28	Jul 13 Jul 07 Jun 02	Jul 23 Jul 07 Jun 23	Aug 03 Jul 28 Jul 15	Jul 28 Aug 06 Aug 20	Aug 07 Aug 22 Sep 05	Aug 18 Sep 07 Sep 21	33 73 102	14 45 73	0 16 44	84 76 68
COCHETOPA CREEK	36 32 28	Jun 26 Jun 13 May 29	Jul 15 Jun 29 Jun 11	Aug 02 Jul 14 Jun 24	Jul 30 Aug 13 Aug 26	Aug 13 Aug 31 Sep 11	Aug 29 Sep 17 Sep 28	56 87 115	29 62 92	1 37 68	79 70 62
COLORADO NATL MONUMENT	36 32 28	May 04 Apr 16 Mar 26	May 22 May 06 Apr 17	Jun 09 May 26 May 08	Sep 18 Sep 27 Oct 09	Oct 04 Oct 12 Oct 26	Oct 20 Oct 27 Nov 13	156 182 217	134 158 192	112 134 166	46 39 30
COLORADO SPRINGS MNPL AP	36 32 28	Apr 30 Apr 24 Apr 08	May 15 May 04 Apr 22	May 30 May 15 May 05	Sep 13 Sep 20 Sep 24	Sep 26 Oct 03 Oct 10	Oct 10 Oct 15 Oct 27	155 170 192	134 151 171	112 131 150	51 44 35
CORTEZ	36 32 28	May 24 May 11 Apr 26	Jun 08 May 26 May 10	Jun 23 Jun 11 May 23	Sep 09 Sep 16 Sep 26	Sep 21 Sep 30 Oct 11	Oct 03 Oct 13 Oct 26	124 144 177	105 125 154	86 107 131	58 50 40
CRESTED BUTTE	36 32 28	Jul 19 Jun 28 Jun 07	Jul 27 Jul 15 Jun 22	Aug 03 Jul 31 Jun 06	Jul 30 Jul 31 Aug 18	Aug 04 Aug 15 Sep 02	Aug 09 Aug 30 Sep 16	18 57 94	8 30 71	0 4 49	86 76 65
DEL NORTE 2 E	36 32 28	May 26 May 14 Apr 30	Jun 12 May 29 May 15	Jun 30 Jun 12 May 30	Sep 05 Sep 12 Sep 19	Sep 15 Sep 23 Oct 03	Sep 24 Oct 04 Oct 17	114 133 161	93 117 140	73 100 119	63 55 47
DENVER STAPELTON	36 32 28	Apr 27 Apr 16 Apr 03	May 12 Apr 30 Apr 20	May 27 May 13 May 07	Sep 15 Sep 18 Sep 28	Sep 27 Oct 04 Oct 15	Oct 09 Oct 21 Nov 01	158 182 200	137 157 177	115 132 154	50 42 32
DILLON 1 E	36 32 28	Jul 15 Jun 18 Jun 06	Jul 26 Jul 07 Jun 20	Aug 06 Jul 27 Jul 04	Jul 29 Aug 01 Aug 17	Aug 05 Aug 19 Sep 05	Aug 13 Sep 07 Sep 24	24 73 99	10 42 76	0 12 53	86 75 65
DINOSAUR NATL MONUMNT	36 32 28	May 14 May 02 Apr 15	Jun 01 May 23 May 06	Jun 18 Jun 12 May 28	Sep 04 Sep 14 Sep 22	Sep 18 Sep 28 Oct 09	Oct 02 Oct 12 Oct 25	131 153 186	108 128 155	86 103 123	56 48 39
EADS	36 32 28	Apr 30 Apr 23 Apr 07	May 14 May 03 Apr 19	May 29 May 13 May 02	Sep 16 Sep 23 Sep 30	Sep 28 Oct 06 Oct 14	Oct 10 Oct 18 Oct 29	154 173 194	136 155 177	117 136 161	51 45 37

EVERGREEN	36 32 28	Jun02 May18 May02	Jun21 Jun03 May18	Jul10 Jun18 Jun02	Aug20 Sep04 Sep12	Sep05 Sep16 Sep27	Sep20 Sep28 Oct11	98 123 154	75 105 131	52 86 108	68 61 52
FLAGLER 1 S	36 32 28	May04 Apr28 Apr21	May24 May11 May03	Jun13 May24 May15	Sep10 Sep15 Sep21	Sep22 Sep28 Oct07	Oct04 Oct11 Oct23	143 160 179	120 139 156	97 118 134	55 48 40
FORT COLLINS	36 32 28	Apr29 Apr23 Apr05	May13 May04 Apr18	May27 May15 May02	Sep15 Sep18 Sep24	Sep24 Oct02 Oct10	Oct04 Oct17 Oct26	150 171 195	134 151 174	118 130 154	51 43 35
FORT LEWIS	36 32 28	Jun09 May29 May11	Jun25 Jun14 May30	Jul11 Jun30 Jun19	Aug27 Sep07 Sep15	Sep11 Sep19 Sep30	Sep25 Oct02 Oct15	100 117 147	77 96 122	54 76 96	66 58 49
FORT MORGAN	36 32 28	Apr30 Apr22 Apr04	May10 May02 Apr18	May20 May12 May03	Sep15 Sep21 Sep30	Sep26 Oct05 Oct15	Oct08 Oct18 Oct29	152 172 198	139 155 178	126 138 159	52 46 38
FRUITA 1 W	36 32 28	May08 Apr26 Apr08	May26 May13 Apr28	Jun13 May29 May18	Sep11 Sep16 Sep23	Sep22 Oct01 Oct11	Oct03 Oct15 Oct30	138 164 193	118 140 166	99 117 138	55 47 38
GATEWAY 1 SE	36 32 28	Apr22 Apr04 Mar22	May10 Apr27 Apr11	May28 May20 May01	Sep21 Sep25 Oct07	Oct03 Oct13 Oct24	Oct16 Nov01 Nov09	169 199 224	145 168 195	122 138 166	44 37 28
GEORGETOWN	36 32 28	Jun03 May18 Apr27	Jun21 Jun10 May24	Jul08 Jul03 Jun20	Aug14 Sep01 Sep13	Sep03 Sep16 Sep25	Sep22 Oct01 Oct07	101 128 154	73 98 123	46 67 93	69 61 53
GLENWOOD SPGS #2	36 32 28	May17 May03 Apr14	Jun06 May21 May06	Jun27 Jun08 May28	Aug31 Sep11 Sep17	Sep17 Sep26 Oct04	Oct04 Oct11 Oct20	130 154 182	102 127 150	74 100 118	59 51 40
GRAND JUNCTION WALKER AP	36 32 28	Apr25 Apr10 Mar26	May12 Apr25 Apr11	May30 May09 Apr27	Sep24 Sep29 Oct19	Oct10 Oct16 Nov01	Oct27 Nov03 Nov14	173 199 227	150 174 203	128 149 180	44 36 28
GRAND JUNCTION 6 ESE	36 32 28	Apr25 Apr13 Mar24	May16 May01 Apr11	Jun06 May19 Apr29	Sep21 Sep27 Oct07	Oct05 Oct16 Oct25	Oct19 Nov03 Nov11	169 194 223	141 167 196	113 140 169	44 37 28
GRAND LAKE 1 NW	36 32 28	Jul14 Jun25 Jun04	Jul24 Jul13 Jun23	Aug04 Jul31 Jul11	Jul30 Jul31 Aug13	Aug05 Aug18 Sep02	Aug12 Sep06 Sep22	25 67 100	11 35 71	0 3 42	85 75 64
GRAND LAKE 6 SSW	36 32 28	Jul02 Jun07 May25	Jul17 Jun25 Jun08	Aug01 Jul13 Jun22	Jul29 Aug11 Aug31	Aug13 Aug28 Sep15	Aug29 Sep14 Sep30	51 89 119	26 64 98	1 38 78	77 68 59
GRANT	36 32 28	Jun21 Jun04 May15	Jul06 Jun19 Jun01	Jul22 Jul05 Jun19	Jul30 Aug22 Sep03	Aug17 Sep07 Sep17	Sep05 Sep23 Oct01	68 103 129	41 79 107	14 54 86	76 67 57
GREAT SAND DUNES N M	36 32 28	May24 May09 Apr29	Jun10 May26 May14	Jun27 Jun13 May29	Sep03 Sep12 Sep23	Sep16 Sep24 Oct05	Sep28 Oct06 Oct18	120 142 166	97 120 143	73 97 121	61 54 46
GREELEY UNC	36 32 28	Apr28 Apr21 Apr04	May12 May02 Apr18	May26 May13 May03	Sep15 Sep17 Sep25	Sep25 Oct01 Oct10	Oct04 Oct14 Oct25	153 169 195	135 151 174	117 133 153	51 44 35
GREEN MT DAM	36 32 28	Jun11 May21 Apr21	Jul04 Jun16 May26	Jul28 Jul13 Jun30	Aug01 Aug14 Aug22	Aug21 Sep05 Sep13	Sep09 Sep28 Oct05	85 124 162	47 80 110	8 36 57	72 63 54
GUNNISON 3 SW	36 32 28	Jun24 Jun08 May26	Jul13 Jun27 Jun09	Jul31 Jul16 Jun23	Jul29 Aug11 Aug25	Aug13 Aug31 Sep11	Aug29 Sep19 Sep28	59 93 118	31 64 93	3 34 68	79 70 61
HAYDEN	36 32 28	May29 May18 Apr26	Jun17 Jun03 May17	Jul06 Jun20 Jun08	Aug21 Aug30 Sep10	Sep08 Sep16 Sep25	Sep25 Oct03 Oct10	112 128 157	82 104 130	52 80 103	64 56 47

HERMIT 7 ESE	36 32 28	Jul18 Jun30 Jun14	Jul27 Jul17 Jun29	Aug05 Aug03 Jul15	Jul29 Jul27 Aug14	Aug05 Aug12 Sep01	Aug13 Aug30 Sep19	22 56 91	8 26 63	0 0 35	88 79 70
HOLLY	36 32 28	Apr25 Apr20 Apr04	May09 May03 Apr21	May22 May15 May07	Sep14 Sep20 Sep30	Sep25 Oct05 Oct16	Oct07 Oct20 Oct31	158 174 199	139 154 178	120 134 156	50 44 37
HOLYOKE	36 32 28	Apr30 Apr26 Apr13	May13 May05 Apr24	May26 May14 May06	Sep11 Sep19 Sep28	Sep23 Oct03 Oct13	Oct04 Oct16 Oct27	149 168 185	132 150 170	114 131 156	52 45 36
JOHN MARTIN DAM	36 32 28	Apr24 Apr16 Apr04	May06 Apr29 Apr14	May18 May13 Apr25	Sep12 Sep22 Sep29	Sep27 Oct06 Oct14	Oct11 Oct20 Oct28	164 178 200	143 159 181	123 140 163	50 43 36
JULESBURG	36 32 28	Apr30 May07 Apr10	May14 May07 May24	May28 May19 May09	Sep11 Sep15 Sep24	Sep23 Sep29 Oct10	Oct04 Oct13 Oct26	148 164 190	131 144 168	114 125 146	53 46 38
KASSLER	36 32 28	May06 Apr27 Apr14	May22 May13 Apr26	Jun07 May28 May09	Sep14 Sep15 Sep25	Sep25 Sep29 Oct12	Oct06 Oct12 Oct29	145 159 187	125 138 168	106 117 149	52 44 36
KIT CARSON	36 32 28	Apr26 Apr25 Apr12	May17 May09 Apr27	Jun08 May23 May12	Sep13 Sep18 Sep27	Sep24 Sep30 Oct11	Oct05 Oct12 Oct25	153 164 184	129 143 166	105 123 148	54 48 41
KREMLING	36 32 28	Jun26 Jun06 May14	Jul15 Jun23 May31	Aug03 Jul10 Jun17	Jul28 Aug14 Aug28	Aug14 Sep02 Sep12	Sep01 Sep20 Sep28	61 100 128	29 70 104	0 40 79	76 67 58
LA JUNTA 4 NNE	36 32 28	Apr23 Apr11 Apr01	May05 Apr25 Apr13	May17 May09 Apr24	Sep20 Sep26 Oct08	Oct02 Oct10 Oct22	Oct14 Oct25 Nov06	166 188 209	149 168 192	133 147 175	47 40 33
LAKE CITY	36 32 28	Jun12 Jun01 May22	Jul03 Jun20 Jun09	Jul24 Jul09 Jun27	Aug05 Aug21 Sep04	Aug27 Sep09 Sep18	Sep18 Sep28 Oct02	93 113 124	54 80 100	16 48 75	73 66 57
LAKE GEORGE 8 SW	36 32 28	Jun05 May23 May06	Jun23 Jun09 May23	Jul12 Jun27 Jun10	Aug18 Sep03 Sep12	Sep03 Sep15 Sep24	Sep20 Sep27 Oct07	101 121 147	71 97 123	42 73 99	71 64 56
LAKEWOOD	36 32 28	May05 Apr24 Apr11	May20 May09 Apr29	Jun04 May24 May17	Sep13 Sep18 Sep24	Sep25 Oct01 Oct09	Oct06 Oct14 Oct24	148 168 187	127 144 163	105 121 139	51 43 33
LAMAR	36 32 28	Apr24 Apr13 Apr02	May08 Apr29 Apr15	May23 May15 Apr27	Sep18 Sep24 Oct02	Sep29 Oct06 Oct17	Oct10 Oct18 Nov02	162 182 208	143 159 185	125 136 162	49 42 35
LAS ANIMAS	36 32 28	Apr26 Apr16 Apr04	May11 May01 Apr16	May25 May15 Apr28	Sep16 Sep24 Oct04	Sep28 Oct08 Oct18	Oct11 Oct21 Nov01	159 182 203	140 159 184	120 137 165	49 42 35
LEROY 5 WSW	36 32 28	May03 Apr27 Apr15	May17 May08 Apr29	May31 May19 May14	Sep11 Sep16 Sep23	Sep22 Sep30 Oct09	Oct03 Oct14 Oct26	145 162 184	127 144 162	110 127 140	53 45 37
LONGMONT 2 ESE	36 32 28	May02 Apr22 Apr10	May17 May05 Apr24	May31 May18 May08	Sep10 Sep15 Sep22	Sep21 Sep28 Oct08	Oct02 Oct10 Oct24	145 165 189	127 145 166	108 125 144	55 49 41
MANASSA	36 32 28	Jun08 May24 May07	Jun24 Jun09 May27	Jul11 Jun25 Jun16	Aug08 Aug24 Sep09	Aug27 Sep11 Sep21	Sep15 Sep30 Oct04	91 121 140	63 94 117	36 66 94	67 60 52
MAYBELL	36 32 28	Jun07 May20 May01	Jun26 Jun08 May22	Jul14 Jun28 Jun12	Aug13 Aug20 Sep08	Aug29 Sep06 Sep20	Sep13 Sep24 Oct01	89 114 146	63 89 120	38 64 94	71 62 54
MEREDITH	36 32 28	Jul08 Jun19 May28	Jul22 Jul06 Jun17	Aug05 Jul23 Jul07	Jul28 Aug01 Aug16	Aug08 Aug21 Sep06	Aug20 Sep10 Sep27	39 79 116	17 45 80	0 12 44	83 72 63

MESA VERDE NP	36 32 28	May14 May03 Apr18	May29 May20 May07	Jun14 Jun06 May26	Sep13 Sep21 Oct02	Sep29 Oct09 Oct20	Oct15 Oct27 Nov06	144 167 190	122 141 165	100 116 141	53 45 35
MONTE VISTA 2 W	36 32 28	Jun03 May18 May03	Jun19 Jun04 May21	Jul05 Jun21 Jun07	Aug21 Aug30 Sep16	Sep06 Sep15 Sep28	Sep21 Sep30 Oct10	102 126 150	78 102 130	54 78 109	69 61 54
MONTROSE NO 2	36 32 28	May03 Apr28 Apr09	May22 May10 Apr23	Jun10 May22 May07	Sep14 Sep21 Oct02	Sep27 Oct06 Oct19	Oct09 Oct21 Nov05	147 167 202	127 148 179	107 129 155	52 44 35
NEW RAYMER	36 32 28	May07 Apr29 Apr23	May24 May14 May03	Jun10 May28 May13	Sep08 Sep14 Sep19	Sep18 Sep25 Oct03	Sep28 Oct07 Oct17	137 153 170	117 134 152	97 114 134	56 50 42
NORTHDALÉ	36 32 28	Jun07 May20 May10	Jun20 Jun05 May22	Jul03 Jun20 Jun04	Aug27 Sep10 Sep19	Sep12 Sep21 Oct01	Sep27 Oct03 Oct14	105 127 149	83 108 131	60 88 113	63 55 45
NORWOOD	36 32 28	May31 May19 May01	Jun17 Jun08 May22	Jul04 Jun28 Jun12	Aug23 Sep02 Sep16	Sep11 Sep20 Oct01	Sep29 Oct08 Oct15	113 132 158	85 103 131	57 75 104	61 53 44
OURAY	36 32 28	May26 May15 Apr25	Jun11 Jun02 May13	Jun27 Jun19 Jun01	Sep04 Sep14 Sep21	Sep17 Sep27 Oct07	Sep30 Oct11 Oct23	119 141 172	98 117 146	77 93 120	58 51 41
PALISADE	36 32 28	Apr19 Mar31 Mar17	May11 Apr22 Apr04	Jun02 May14 Apr21	Sep26 Oct12 Oct23	Oct13 Oct25 Nov05	Oct30 Nov06 Nov18	182 212 236	154 185 214	126 157 192	42 34 25
PAONIA 1 SW	36 32 28	May03 Apr22 Apr13	May24 May13 Apr30	Jun14 Jun02 May17	Sep14 Sep24 Oct02	Sep28 Oct10 Oct19	Oct13 Oct26 Nov06	156 177 198	127 150 172	98 122 145	50 42 33
PUEBLO AP	36 32 28	Apr28 Apr16 Apr08	May12 Apr30 Apr20	May26 May14 May02	Sep15 Sep20 Sep28	Sep27 Oct05 Oct13	Oct09 Oct20 Oct27	154 181 195	137 157 175	120 134 154	52 45 37
RANGELY 1 E	36 32 28	May06 Apr25 Apr12	May28 May16 May02	Jun19 Jun07 May21	Sep02 Sep14 Sep16	Sep18 Sep28 Oct05	Oct05 Oct12 Oct24	142 164 186	113 134 156	83 105 125	57 50 42
RICO	36 32 28	Jul05 Jun13 May26	Jul21 Jul03 Jun15	Aug05 Jul23 Jul04	Jul26 Aug04 Aug25	Aug13 Aug27 Sep12	Aug31 Sep19 Sep30	52 89 119	22 54 88	0 19 58	82 73 62
RIFLE	36 32 28	May24 May07 Apr21	Jun09 May25 May08	Jun24 Jun13 May25	Aug31 Sep12 Sep20	Sep15 Sep24 Oct03	Sep30 Oct06 Oct17	118 143 172	98 121 147	77 99 123	60 52 42
ROCKY FORD 2 SE	36 32 28	Apr29 Apr22 Apr09	May12 May01 Apr20	May25 May11 May01	Sep17 Sep20 Sep28	Sep27 Oct02 Oct12	Oct06 Oct14 Oct26	154 169 191	137 153 174	121 136 158	51 44 37
RUSH 1 N	36 32 28	May12 Apr29 Apr16	May31 May21 May09	Jun20 Jun13 May31	Sep01 Sep05 Sep11	Sep17 Sep22 Sep29	Oct02 Oct09 Oct17	138 159 181	108 123 143	78 88 105	59 52 45
RUXTON PARK	36 32 28	Jul01 Jun04 May25	Jul19 Jun30 Jun09	Aug06 Jul25 Jun23	Jul26 Aug08 Aug30	Aug09 Aug26 Sep12	Aug24 Sep13 Sep25	46 88 118	20 56 95	0 25 71	80 71 62
SAGUACHE	36 32 28	May28 May18 Apr29	Jun16 Jun05 May20	Jul06 Jun23 Jun09	Aug08 Aug19 Aug30	Aug31 Sep11 Sep25	Sep23 Oct05 Oct20	113 133 161	75 98 127	37 63 94	70 63 55
SALIDA	36 32 28	Jun03 May20 May08	Jun26 Jun07 May26	Jul20 Jun25 Jun14	Jul31 Aug10 Sep04	Aug23 Sep04 Sep20	Sep15 Sep28 Oct05	96 123 141	57 88 115	18 53 90	70 61 52
SEDGWICK 5 S	36 32 28	Apr30 Apr24 Apr10	May13 May04 Apr22	May26 May15 May05	Sep13 Sep17 Sep25	Sep25 Oct03 Oct12	Oct06 Oct19 Oct29	151 172 193	134 151 172	117 130 151	50 43 35

SILVERTON	36 32 28	Jul14 Jun27 Jun03	Jul25 Jul14 Jun26	Aug06 Jul31 Jul18	Jul29 Jul31 Aug11	Aug07 Aug21 Sep02	Aug16 Sep12 Sep24	29 73 107	11 38 68	0 3 28	87 77 67
SPICER	36 32 28	Jul16 Jun28 Jun05	Jul26 Jul16 Jun26	Aug05 Aug02 Jul17	Jul26 Jul28 Aug04	Aug06 Aug13 Aug28	Aug19 Aug31 Sep20	31 58 95	11 28 62	0 0 29	82 72 61
SPRINGFIELD 7 WSW	36 32 28	Apr30 Apr25 Apr08	May12 May06 Apr21	May25 May16 May04	Sep15 Sep22 Sep29	Sep28 Oct07 Oct17	Oct10 Oct22 Nov03	155 175 198	138 154 178	120 133 158	47 40 31
STEAMBOAT SPRINGS	36 32 28	Jul03 Jun08 May12	Jul19 Jun27 Jun02	Aug03 Jul16 Jun24	Jul28 Aug11 Aug29	Aug15 Aug30 Sep13	Sep03 Sep18 Sep28	56 91 134	27 63 102	0 35 70	77 67 56
STERLING	36 32 28	May02 May23 Apr08	May14 May06 Apr21	May25 May19 May05	Sep12 Sep18 Sep25	Sep20 Oct01 Oct09	Sep29 Oct14 Oct22	142 166 188	129 147 169	116 129 151	53 47 39
STRATTON	36 32 28	May02 Apr24 Apr11	May15 May05 Apr22	May27 May17 May04	Sep13 Sep19 Oct01	Sep24 Oct02 Oct14	Oct06 Oct14 Oct28	149 167 190	132 149 174	114 131 158	51 44 35
SUGARLOAF RES (LEADVILL)	36 32 28	Jul10 Jun16 May29	Jul22 Jul07 Jun15	Aug04 Jul27 Jul02	Jul30 Aug07 Aug19	Aug08 Aug24 Sep07	Aug18 Sep10 Sep26	34 80 111	16 47 83	0 15 55	84 75 65
TACONY 10 SE	36 32 28	May01 Apr24 Apr11	May13 May06 Apr22	May25 May19 May04	Sep14 Sep20 Sep26	Sep25 Oct02 Oct11	Oct06 Oct14 Oct25	154 168 187	135 148 171	116 128 155	52 45 37
TAYLOR PARK	36 32 28	Jul04 Jun13 May25	Jul21 Jun29 Jun14	Aug06 Jul15 Jul05	Jul28 Aug08 Aug23	Aug08 Aug27 Sep10	Aug20 Sep15 Sep29	42 86 122	17 59 87	0 31 53	83 74 66
TELLURIDE 4 WNW	36 32 28	Jun22 Jun11 May27	Jul10 Jun25 Jun12	Jul29 Jul09 Jun27	Jul31 Aug13 Sep03	Aug16 Sep02 Sep17	Sep01 Sep23 Oct01	61 96 115	36 69 96	10 41 77	75 66 56
TRINIDAD	36 32 28	May04 Apr23 Apr12	May19 May08 Apr26	Jun03 May23 May10	Sep16 Sep20 Sep26	Sep28 Oct03 Oct14	Oct10 Oct17 Nov01	152 171 189	131 147 171	110 124 153	49 41 31
TRINIDAD AP	36 32 28	May01 Apr25 Apr10	May17 May06 Apr23	Jun02 May18 May05	Sep16 Sep20 Sep30	Sep27 Oct03 Oct17	Oct08 Oct17 Nov03	151 169 198	133 149 176	114 130 155	50 43 34
TWIN LAKES RES	36 32 28	Jun21 May31 May11	Jul10 Jun22 Jun04	Jul28 Jul14 Jun27	Jul27 Aug03 Aug20	Aug15 Aug28 Sep12	Sep04 Sep23 Oct06	66 110 136	36 67 100	6 23 64	79 69 60
URAVAN	36 32 28	Apr26 Apr13 Mar27	May14 May01 Apr12	Jun01 May19 Apr28	Sep19 Sep28 Oct09	Sep30 Oct11 Oct23	Oct11 Oct24 Nov07	161 185 213	138 162 193	115 139 174	50 42 33
VALLECITO DAM	36 32 28	Jun09 May25 May10	Jun24 Jun10 May28	Jul10 Jun25 Jun14	Aug24 Sep07 Sep10	Sep08 Sep19 Sep26	Sep22 Sep30 Oct13	98 119 149	75 101 121	51 82 94	69 61 52
WALDEN	36 32 28	Jul13 Jun16 May25	Jul25 Jul06 Jun16	Aug06 Jul25 Jul07	Jul29 Jul30 Aug11	Aug05 Aug16 Aug30	Aug13 Sep03 Sep18	28 71 106	10 41 75	0 11 44	82 71 61
WALSENBURG	36 32 28	May07 Apr25 Apr13	May20 May09 Apr27	Jun03 May23 May11	Sep12 Sep18 Sep24	Sep25 Oct01 Oct10	Oct07 Oct14 Oct26	148 165 185	127 144 165	105 123 146	47 38 29
WALSH 1 W	36 32 28	Apr27 Apr17 Apr05	May07 Apr29 Apr18	May17 May12 May01	Sep16 Sep26 Oct03	Sep30 Oct10 Oct19	Oct14 Oct24 Nov03	163 180 201	145 163 183	127 146 165	47 40 32
WATERDALE	36 32 28	May08 Apr27 Apr17	May27 May08 Apr29	Jun15 May18 May10	Sep12 Sep16 Sep22	Sep22 Sep27 Oct08	Oct03 Oct09 Oct24	138 160 181	118 142 161	97 124 142	55 47 38

WESTCLIFFE	36	Jun17	Jul04	Jul22		Aug04	Aug21	Sep07		76	47	19	69
	32	Jun01	Jun16	Jul01		Aug24	Sep07	Sep20		105	82	59	61
	28	May19	Jun03	Jun18		Sep05	Sep18	Oct01		126	106	86	53
WOLF CREEK PASS 1 E	36	Jun29	Jul15	Jul31		Jul29	Aug16	Sep03		60	31	2	80
	32	Jun07	Jun24	Jul11		Aug13	Aug31	Sep18		98	68	37	70
	28	May29	Jun18	Jul08		Sep01	Sep16	Oct01		120	90	60	62
WRAY 2 E	36	May02	May14	May26		Sep11	Sep21	Oct02		143	129	115	53
	32	Apr23	May06	May20		Sep19	Oct02	Oct16		165	148	132	46
	28	Apr13	Apr25	May07		Sep25	Oct10	Oct24		183	167	152	39
YAMPA	36	Jun14	Jul03	Jul22		Aug07	Aug25	Sep13		82	53	24	71
	32	Jun04	Jun19	Jul04		Aug22	Sep09	Sep26		107	81	55	63
	28	May17	Jun04	Jun21		Sep02	Sep17	Oct03		131	105	79	53
YELLOW JACKET 2 W	36	May21	Jun04	Jun19		Sep10	Sep25	Oct10		133	112	90	54
	32	May08	May24	Jun09		Sep22	Oct08	Oct23		159	136	113	46
	28	Apr22	May06	May19		Sep29	Oct17	Nov03		188	163	138	36
YUMA	36	May01	May16	May31		Sep11	Sep23	Oct04		150	129	108	52
	32	Apr25	May06	May16		Sep16	Oct02	Oct18		169	149	128	45
	28	Apr11	Apr22	May03		Sep30	Oct14	Oct27		190	174	158	36

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 (Aug 1 - Jul 31).  
(percent of days with temperatures at or below the threshold temperature)

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	Thresh old (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			Prob o b a b i l i t y (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
Connecticut											
BRIDGEPORT SIKORSKY AP	36 32 28	Apr10 Mar30 Mar16	Apr20 Apr11 Mar27	May01 Apr22 Apr07	Oct03 Oct20 Nov04	Oct18 Nov04 Nov19	Nov01 Nov19 Dec05	198 225 257	179 207 237	161 189 216	36 26 18
BURLINGTON	36 32 28	Apr27 Apr13 Apr02	May11 Apr30 Apr18	May26 May18 May04	Sep19 Sep26 Oct03	Sep28 Oct10 Oct20	Oct08 Oct24 Nov06	154 185 210	139 161 184	125 138 159	48 41 32
DANBURY	36 32 28	Apr29 Apr16 Apr02	May13 May01 Apr15	May26 May15 Apr29	Sep15 Sep26 Oct05	Sep26 Oct09 Oct22	Oct07 Oct22 Nov08	152 181 213	136 160 189	119 140 164	44 37 28
FALLS VILLAGE	36 32 28	May12 May01 Apr20	May30 May16 May02	Jun17 Jun01 May14	Sep03 Sep13 Sep22	Sep16 Sep27 Oct08	Sep29 Oct11 Oct23	132 154 178	108 133 158	85 113 137	51 44 35
GROTON	36 32 28	Apr20 Apr08 Mar25	May04 Apr18 Apr07	May18 Apr28 Apr20	Sep24 Oct04 Oct19	Oct08 Oct19 Nov04	Oct22 Nov03 Nov20	173 204 231	156 183 210	139 163 190	40 33 24
HARTFORD BRADLEY INTL AP	36 32 28	Apr24 Apr11 Mar29	May08 Apr26 Apr10	May22 May10 Apr22	Sep19 Sep26 Oct08	Sep30 Oct09 Oct23	Oct12 Oct22 Nov07	161 185 213	145 166 196	128 146 178	44 36 27
MANSFIELD HOLLOW LAKE	36 32 28	May05 Apr26 Apr13	May22 May09 Apr25	Jun07 May22 May06	Sep08 Sep20 Oct03	Sep20 Oct01 Oct14	Oct02 Oct12 Oct26	141 157 190	121 145 172	100 133 153	50 43 34
NORFOLK 2 SW	36 32 28	May07 Apr26 Apr13	May22 May10 Apr26	Jun07 May23 May08	Sep11 Sep20 Oct03	Sep22 Oct05 Oct17	Oct03 Oct19 Oct30	143 164 194	122 147 173	101 130 153	51 44 35
NORWICH PUB UTIL PLANT	36 32 28	Apr26 Apr13 Mar29	May12 Apr27 Apr12	May27 May10 Apr26	Sep18 Sep30 Oct08	Sep29 Oct11 Oct23	Oct10 Oct22 Nov07	155 183 215	140 167 193	125 150 171	44 36 27
SHEPAUG DAM	36 32 28	May03 Apr24 Apr10	May20 May06 Apr21	Jun07 May18 May02	Sep17 Sep22 Oct01	Sep28 Oct05 Oct16	Oct08 Oct19 Oct31	150 168 198	129 152 177	109 136 156	49 42 33
STAMFORD 5 N	36 32 28	Apr29 Apr16 Apr02	May12 Apr29 Apr14	May25 May11 Apr26	Sep21 Oct01 Oct12	Oct01 Oct12 Oct26	Oct12 Oct23 Nov08	157 182 213	142 166 194	126 149 175	43 35 26
STORRS	36 32 28	Apr21 Apr12 Mar29	May07 Apr25 Apr12	May23 May09 Apr27	Sep20 Sep29 Oct11	Oct02 Oct16 Oct28	Oct13 Nov02 Nov15	163 198 223	147 173 198	131 148 174	44 36 28
WEST THOMPSON LAKE	36 32 28	May05 Apr27 Apr17	May21 May11 Apr27	Jun06 May25 May07	Sep05 Sep21 Oct02	Sep19 Oct02 Oct13	Oct04 Oct13 Oct25	139 158 187	121 144 169	102 129 151	51 43 35

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 (Aug 1 - Jul 31).  
(percent of days with temperatures at or below the threshold temperature)

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	
Delaware											
DOVER	36	Apr08	Apr20	May01	Oct04	Oct18	Nov01	203	181	159	30
	32	Mar26	Apr08	Apr20	Oct14	Oct30	Nov16	225	205	184	23
	28	Mar16	Mar28	Apr10	Oct28	Nov13	Nov28	249	229	208	15
LEWES	36	Apr04	Apr17	Apr30	Oct10	Oct26	Nov11	216	191	166	27
	32	Mar22	Apr06	Apr20	Oct21	Nov05	Nov19	236	212	188	20
	28	Mar03	Mar22	Apr10	Oct29	Nov18	Dec09	270	241	211	13
MILFORD 2 SE	36	Mar29	Apr18	May08	Sep30	Oct16	Nov01	211	181	150	32
	32	Mar24	Apr09	Apr25	Oct09	Oct25	Nov10	227	199	170	25
	28	Mar13	Mar29	Apr13	Oct21	Nov07	Nov25	250	223	196	17
NEWARK UNIVERSITY FARM	36	Apr17	May01	May14	Sep30	Oct12	Oct24	184	164	144	36
	32	Apr07	Apr18	Apr29	Oct10	Oct24	Nov07	208	188	169	28
	28	Mar25	Apr07	Apr20	Oct20	Nov06	Nov23	234	212	189	20
WILMINGTON NEW CASTLE AP	36	Apr10	Apr24	May07	Oct02	Oct16	Oct30	198	175	152	34
	32	Mar30	Apr10	Apr21	Oct16	Oct30	Nov14	220	202	185	26
	28	Mar16	Mar30	Apr14	Oct25	Nov09	Nov24	247	224	201	18

Notes:

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

# Freeze / Frost Occurrence Data

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

- Indicates the probability of occurrence of threshold temperatureis less than indicated probability.

State And Station Name	Thresh hold (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			Prob ab il ity  (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
Florida		90	50	10	10	50	90	10	50	90	
APALACHICOLA AP	36 32 28	Feb10 Jan13 -	Mar05 Feb11 Jan27	Mar28 Mar12 Feb23	Nov06 Nov17 Dec05	Nov29 Dec15 Jan09	Dec21 Jan12 -	300 347 >365	268 305 348	236 267 295	6 3 1
ARCADIA	36 32 28	Jan31 - -	Feb25 Feb05 Jan07	Mar23 Mar10 Feb19	Nov05 Dec04 Dec16	Dec13 Jan03 Jan22	Jan20 - -	333 >365 >365	284 325 >365	247 289 313	3 2 1
ARCHBOLD BIO STATION	36 32 28	Feb20 Jan26 -	Mar20 Feb27 Feb09	Apr17 Mar31 Mar15	Nov08 Nov20 Dec09	Dec07 Dec17 Jan08	Jan04 Jan13 -	293 326 >365	261 293 326	228 259 293	5 3 1
AVON PARK 2 W	36 32 28	Jan16 - -	Feb22 Feb03 -	Mar27 Mar04 Feb15	Nov19 Dec07 Dec22	Dec18 Jan07 Feb10	Jan19 - -	353 >365 >365	298 331 >365	255 291 321	3 1 0
BARTOW	36 32 28	Jan08 - -	Feb10 Jan26 -	Mar13 Feb25 Feb06	Nov19 Dec09 Dec22	Dec24 Jan12 -	Feb01 - -	>365 >365 >365	307 351 >365	273 299 330	2 1 0
BELLE GLADE EXP STN	36 32 28	- - -	Feb08 Jan10 -	Mar17 Feb23 Jan18	Dec06 Dec19 Jan09	Dec31 Jan29 -	- - -	>365 >365 >365	326 >365 >365	279 317 >365	1 1 0
BRADENTON 5 ESE	36 32 28	Jan21 - -	Feb14 Jan23 -	Mar11 Feb22 Feb02	Nov19 Dec12 Dec28	Dec26 Jan06 -	Feb02 - -	>365 >365 >365	306 345 >365	276 306 336	2 1 0
BROOKSVILLE CHIN HILL	36 32 28	Jan29 Jan10 -	Feb23 Feb07 Jan15	Mar20 Mar07 Feb20	Nov12 Nov29 Dec13	Dec11 Dec27 Jan24	Jan09 Jan25 -	322 >365 >365	288 315 >365	256 284 317	3 2 1
BUSHNELL 2 E	36 32 28	Feb12 Jan23 Jan04	Mar07 Feb19 Feb04	Mar29 Mar19 Mar03	Nov03 Nov19 Dec03	Nov29 Dec15 Jan07	Dec24 Jan11 Feb14	300 334 >365	266 296 330	233 262 291	5 3 1
CANAL POINT USDA	36 32 28	- - -	Jan21 - -	Feb26 Feb01 -	Dec21 Jan03 -	Jan22 - -	- - -	>365 >365 >365	>365 >365 >365	325 >365 >365	1 0 0
CHIPLEY 3 E	36 32 28	Mar03 Feb14 Jan29	Mar24 Mar05 Feb17	Apr15 Mar23 Mar09	Oct20 Oct28 Nov15	Nov05 Nov17 Dec06	Nov20 Dec07 Dec28	252 285 320	225 257 291	197 229 263	15 9 5
CLERMONT 7 S	36 32 28	Jan20 - -	Feb17 Jan30 Dec31	Mar15 Feb28 Feb13	Nov25 Dec09 Dec23	Dec21 Jan12 Feb10	Jan18 - -	>365 >365 >365	304 347 >365	268 302 318	3 1 0
CLEWISTON US ENGINEERS	36 32 28	- - -	Jan15 - -	Feb23 Feb12 Jan09	Dec22 Jan01 Jan14	Feb05 - -	- - -	>365 >365 >365	>365 >365 >365	313 >365 >365	1 0 0
CRESCENT CITY	36 32 28	Jan18 Dec31 -	Feb18 Feb07 Dec26	Mar21 Mar08 Feb16	Nov22 Dec03 Dec21	Dec21 Jan05 Feb17	Jan20 Feb16 -	>365 >365 >365	297 323 >365	266 286 320	4 2 1

CRESTVIEW BOB SIKES AP	36 32 28	Mar08 Feb17 Feb01	Mar30 Mar13 Feb23	Apr22 Apr07 Mar17		Oct13 Oct28 Nov10	Nov03 Nov21 Dec04	Nov25 Dec15 Dec28	254 289 320	217 252 283	181 214 247	13 8 4
CROSS CITY 2 WNW	36 32 28	Mar06 Feb07 Jan22	Mar26 Mar04 Feb14	Apr15 Mar29 Mar09		Oct19 Nov01 Nov12	Nov12 Nov22 Dec18	Dec07 Dec14 Jan22	261 295 >365	230 262 302	200 230 266	11 7 4
DAYTONA BEACH INTL AP	36 32 28	Jan21 Jan01 -	Feb19 Feb04 Jan03	Mar20 Mar08 Feb12		Nov20 Dec08 Dec22	Dec15 Jan06 Feb05	Jan10 Feb07 -	344 >365 >365	295 330 >365	257 288 329	3 1 0
DE FUNIAK SPRINGS	36 32 28	Mar10 Feb17 Jan30	Mar31 Mar14 Feb27	Apr21 Apr08 Mar27		Oct06 Oct18 Oct29	Nov01 Nov14 Dec03	Nov26 Dec12 Jan07	255 284 319	214 244 274	173 205 239	14 9 5
DELAND 1 SSE	36 32 28	Feb05 Jan23 -	Mar09 Feb23 Feb04	Apr10 Mar27 Mar05		Nov01 Nov19 Dec06	Nov28 Dec20 Jan11	Dec25 Jan21 -	311 353 >365	264 297 335	216 253 290	6 3 1
DEVILS GARDEN	36 32 28	Jan09 - -	Feb14 Jan23 -	Mar20 Mar09 Feb22		Nov26 Dec13 Jan03	Dec31 Jan25 -	Feb07 - -	>365 >365 >365	314 >365 >365	273 303 326	2 1 0
EVERGLADES	36 32 28	- - -	Jan21 - -	Feb21 Jan31 Jan18		Dec18 Jan02 Jan21	Jan17 - -	- - -	>365 >365 >365	>365 >365 >365	309 >365 >365	1 0 0
FEDERAL POINT	36 32 28	Jan19 Jan09 -	Feb19 Feb08 Jan16	Mar22 Mar06 Feb23		Nov17 Nov30 Dec16	Dec12 Dec31 Jan31	Jan06 Feb04 -	338 >365 >365	293 321 >365	252 283 312	4 2 1
FERNANDINA BEACH	36 32 28	Feb06 Jan17 -	Feb26 Feb12 Jan25	Mar19 Mar11 Mar01		Nov10 Nov22 Dec04	Dec05 Dec24 Jan11	Dec29 Jan26 -	308 >365 >365	280 308 352	253 270 297	5 3 1
FLAMINGO RANGER STN	36 32 28	- - -	Jan15 - -	Feb25 Jan25 -		Dec27 Jan05 -	Feb11 - -	- - -	>365 >365 >365	>365 >365 >365	319 >365 >365	1 0 0
FORT DRUM 5 NW	36 32 28	Jan11 - -	Feb16 Jan31 -	Mar19 Mar04 Feb20		Nov25 Dec11 Dec23	Dec29 Jan07 -	Feb05 - -	>365 >365 >365	308 337 >365	273 305 327	2 1 0
FORT LAUDERDALE	36 32 28	- - -	- - -	Feb11 Jan24 -		Jan01 Jan08 -	- - -	- - -	>365 >365 >365	>365 >365 >365	338 >365 >365	0 0 0
FORT MYERS (PAGE AP)	36 32 28	- - -	Jan04 - -	Feb20 Jan29 -		Dec19 Jan03 -	Jan21 - -	- - -	>365 >365 >365	>365 >365 >365	313 >365 >365	1 0 0
FORT PIERCE	36 32 28	Jan02 - -	Feb11 Jan19 -	Mar15 Feb26 Feb06		Nov30 Dec20 Jan03	Jan06 Jan29 -	Feb22 - -	>365 >365 >365	321 >365 >365	278 315 347	1 1 0
GAINESVILLE RGNL AP	36 32 28	Jan27 Jan15 Dec29	Mar04 Feb12 Jan31	Apr09 Mar12 Feb25		Oct31 Nov14 Nov26	Nov25 Dec07 Dec31	Dec20 Dec31 Feb14	309 335 >365	265 298 329	222 261 285	6 3 1
GLEN ST MARY 1 W	36 32 28	Mar09 Feb14 Jan30	Mar26 Mar06 Feb18	Apr13 Mar26 Mar08		Oct20 Nov03 Nov14	Nov11 Nov24 Dec17	Dec03 Dec15 Jan18	254 290 335	229 262 298	204 235 269	13 7 3
HIALEAH	36 32 28	- - -	- - -	Feb06 Jan26 -		Jan05 Jan08 -	- - -	- - -	>365 >365 >365	>365 >365 >365	>365 >365 >365	0 0 0
HIGH SPRINGS	36 32 28	Mar05 Feb10 Jan27	Mar24 Mar04 Feb18	Apr11 Mar27 Mar12		Oct21 Oct31 Nov15	Nov15 Nov26 Dec16	Dec09 Dec21 Jan16	267 298 340	235 266 299	203 233 261	11 6 3
INVERNESS 3 SE	36 32 28	Feb09 Jan22 -	Mar09 Feb21 Jan28	Apr06 Mar20 Feb25		Nov02 Nov20 Dec01	Nov29 Dec18 Jan10	Dec26 Jan19 -	306 >365 >365	264 300 346	222 258 294	7 4 1

JACKSONVILLE INTL AP	36 32 28	Mar01 Feb04 Jan11	Mar16 Feb26 Feb06	Mar30 Mar21 Mar04	Oct26 Nov12 Nov23	Nov18 Dec03 Dec25	Dec10 Dec24 Jan27	272 310 >365	246 279 315	221 248 283	9 5 2
JACKSONVILLE BEACH	36 32 28	Jan30 Jan08 -	Feb20 Feb05 Jan24	Mar12 Mar03 Mar01	Nov11 Nov30 Dec10	Dec11 Dec31 Jan24	Jan10 Feb04 -	328 >365 >365	292 324 >365	259 287 305	4 2 1
JASPER	36 32 28	Mar07 Feb13 Jan29	Mar25 Mar05 Feb18	Apr12 Mar25 Mar10	Oct20 Oct25 Nov12	Nov08 Nov19 Dec11	Nov27 Dec14 Jan09	253 286 323	227 258 293	202 230 266	14 9 5
KEY WEST INTL AP	36 32 28	- - -	- - -	- - -	- - -	- - -	- - -	>365 >365 >365	>365 >365 >365	>365 >365 >365	0 0 0
KISSIMMEE 2	36 32 28	Jan16 - -	Feb15 Jan30 -	Mar15 Feb26 Feb09	Nov27 Dec15 Dec28	Dec27 Jan08 -	Jan28 - -	>365 >365 >365	306 338 >365	275 307 331	2 1 0
LA BELLE	36 32 28	Jan15 - -	Feb17 Jan31 -	Mar20 Mar11 Feb17	Dec01 Dec10 Dec29	Dec27 Jan16 -	Jan25 - -	>365 >365 >365	310 343 >365	273 300 328	2 1 0
LAKE ALFRED EXP STN	36 32 28	Feb01 Jan07 -	Feb27 Feb06 Jan08	Mar26 Mar05 Feb18	Nov17 Nov30 Dec16	Dec13 Jan03 Jan25	Jan08 Feb10 -	322 >365 >365	286 322 >365	253 287 314	4 2 1
LAKE CITY 2 E	36 32 28	Feb24 Feb03 Jan15	Mar18 Feb26 Feb10	Apr10 Mar21 Mar06	Oct24 Nov06 Nov18	Nov16 Nov27 Dec19	Dec09 Dec18 Jan23	278 304 >365	242 273 306	206 243 278	9 5 2
LISBON	36 32 28	Jan23 Jan11 -	Feb18 Feb08 Jan09	Mar17 Mar05 Feb13	Nov16 Nov30 Dec19	Dec14 Dec30 Jan27	Jan11 Feb02 -	337 >365 >365	295 318 >365	262 283 326	4 2 1
LIVE OAK	36 32 28	Mar09 Feb16 Jan21	Mar27 Mar09 Feb17	Apr14 Mar29 Mar15	Oct19 Oct28 Nov13	Nov10 Nov19 Dec12	Dec02 Dec12 Jan10	252 285 327	227 255 293	203 225 267	10 6 3
MADISON	36 32 28	Feb23 Feb01 Jan23	Mar18 Feb21 Feb14	Apr11 Mar14 Mar07	Oct24 Nov02 Nov19	Nov16 Nov26 Dec20	Dec09 Dec20 Jan21	277 307 345	242 277 305	207 247 273	10 6 3
MAYO	36 32 28	Mar06 Feb17 Jan30	Mar26 Mar07 Feb18	Apr14 Mar26 Mar10	Oct20 Oct29 Nov19	Nov09 Nov21 Dec11	Nov28 Dec13 Jan03	250 286 320	227 258 295	204 229 271	12 7 3
MELBOURNE WFO	36 32 28	Dec27 - -	Feb08 Jan18 -	Mar14 Feb23 Feb07	Dec03 Dec18 Jan01	Jan01 Jan19 -	Feb07 - -	>365 >365 >365	320 >365 >365	283 318 350	2 1 0
MIAMI BEACH	36 32 28	- - -	- - -	Jan24 - -	Jan13 - -	- - -	- - -	>365 >365 >365	>365 >365 >365	>365 >365 >365	0 0 0
MIAMI INTL AP	36 32 28	- - -	- - -	Jan27 Jan16 -	Jan07 Jan29 -	- - -	- - -	>365 >365 >365	>365 >365 >365	>365 >365 >365	0 0 0
MILTON EXPERIMENT STN	36 32 28	Mar06 Feb15 Feb04	Mar24 Mar08 Feb23	Apr11 Mar28 Mar14	Oct26 Nov02 Nov13	Nov09 Nov21 Dec11	Nov23 Dec10 Jan08	251 287 316	229 257 288	208 227 263	13 8 4
MONTICELLO 3 W	36 32 28	Mar10 Feb24 Feb04	Mar28 Mar11 Feb21	Apr15 Mar26 Mar10	Oct14 Oct26 Nov01	Nov01 Nov16 Dec02	Nov19 Dec07 Jan02	245 274 313	217 249 281	189 224 252	15 10 5
MOORE HAVEN LOCK 1	36 32 28	- - -	Jan31 - -	Mar05 Feb17 Jan28	Dec07 Dec24 Jan04	Jan12 - -	- - -	>365 >365 >365	339 >365 >365	294 332 >365	1 1 0
MOUNTAIN LAKE	36 32 28	Jan24 Jan08 -	Feb23 Feb09 Jan12	Mar23 Mar10 Feb21	Nov16 Dec02 Dec11	Dec16 Jan04 Jan25	Jan17 Feb10 -	>365 >365 >365	292 320 >365	255 284 309	3 2 1

MYAKKA RIVER STATE PARK	36 32 28	Jan20 - -	Feb19 Feb01 -	Mar19 Mar07 Feb11	Nov17 Dec10 Dec22	Dec14 Jan03 -	Jan14 - -	338 >365 >365	297 334 >365	265 293 334	3 1 0
NAPLES	36 32 28	- - -	Jan29 - -	Mar01 Feb03 Jan17	Dec18 Dec28 Jan09	Jan10 - -	- - -	>365 >365 >365	340 >365 >365	308 337 >365	1 0 0
NICEVILLE	36 32 28	Mar11 Feb24 Feb03	Mar29 Mar14 Feb26	Apr17 Apr02 Mar22	Oct20 Nov01 Nov12	Nov06 Nov19 Dec09	Nov22 Dec06 Jan06	247 271 320	221 249 285	195 226 251	16 10 5
OCALA	36 32 28	Feb18 Jan31 Jan07	Mar14 Feb25 Feb10	Apr06 Mar21 Mar08	Oct25 Nov04 Nov23	Nov23 Dec08 Dec30	Dec22 Jan11 Feb15	294 329 >365	254 284 314	213 243 278	6 4 2
OKEECHOBEE	36 32 28	- - -	Feb02 Jan05 -	Mar04 Feb17 Jan28	Dec12 Dec21 Jan05	Jan07 Jan31 -	- - -	>365 >365 >365	334 >365 >365	297 316 >365	1 0 0
PALATKA	36 32 28	Feb05 Jan17 -	Mar01 Feb11 Jan28	Mar24 Mar09 Feb26	Nov08 Nov19 Dec08	Dec01 Dec18 Jan16	Dec24 Jan15 -	303 >365 >365	274 303 359	246 272 304	6 3 1
PARRISH	36 32 28	Jan13 - -	Feb15 Jan28 Dec25	Mar17 Mar01 Feb04	Nov28 Dec11 Dec31	Dec22 Jan16 -	Jan16 - -	>365 >365 >365	306 350 >365	272 304 338	3 1 0
PENSACOLA RGNL AP	36 32 28	Feb17 Feb04 Jan07	Mar08 Feb22 Feb04	Mar27 Mar13 Mar02	Nov01 Nov12 Nov25	Nov24 Dec10 Dec28	Dec18 Jan07 Feb02	291 318 >365	261 288 319	231 262 287	7 4 2
PERRY	36 32 28	Mar07 Feb24 Feb04	Mar29 Mar16 Feb23	Apr19 Apr04 Mar15	Oct23 Oct25 Nov07	Nov12 Nov17 Dec03	Dec02 Dec10 Dec28	256 273 312	228 245 282	200 218 252	11 7 4
PLANT CITY	36 32 28	Jan31 Jan11 -	Feb28 Feb09 Jan12	Mar28 Mar08 Feb14	Nov07 Nov25 Dec16	Dec13 Dec31 Jan28	Jan18 Feb09 -	327 >365 >365	281 315 >365	246 283 320	3 2 1
POMPANO BEACH	36 32 28	- - -	Dec30 - -	Feb23 Feb06 -	Dec29 Jan05 -	- - -	- - -	>365 >365 >365	>365 >365 >365	321 >365 >365	0 0 0
PUNTA GORDA 4 ESE	36 32 28	Dec29 - -	Feb05 Jan04 -	Mar06 Feb13 Jan26	Dec07 Dec19 Jan10	Jan05 Jan25 -	Feb12 - -	>365 >365 >365	327 >365 >365	294 321 >365	1 0 0
QUINCY 3 SSW	36 32 28	Feb28 Feb13 Jan22	Mar22 Mar02 Feb16	Apr13 Mar20 Mar14	Oct26 Nov04 Nov19	Nov16 Nov26 Dec22	Dec06 Dec17 Jan23	264 294 352	238 268 303	211 241 266	11 7 3
ROYAL PALM RANGER STN	36 32 28	- - -	- - -	Feb07 Jan31 -	Dec26 Jan09 -	- - -	- - -	>365 >365 >365	>365 >365 >365	338 >365 >365	0 0 0
SAINT LEO	36 32 28	Jan29 Jan04 -	Feb17 Feb03 Jan09	Mar08 Mar01 Feb12	Nov21 Dec08 Dec20	Dec15 Jan06 Jan28	Jan07 Feb08 -	329 >365 >365	298 331 >365	271 299 325	3 1 0
ST PETERSBURG	36 32 28	- - -	Jan04 - -	Feb14 Jan27 Dec29	Dec19 Jan03 Jan25	Jan26 - -	- - -	>365 >365 >365	>365 >365 >365	325 365 >365	0 0 0
SANFORD ORLANDO	36 32 28	Jan20 - -	Feb18 Jan31 -	Mar16 Mar05 Feb10	Nov29 Dec08 Dec23	Dec25 Jan10 -	Jan23 - -	>365 >365 >365	306 339 >365	269 292 332	3 1 0
STEINHATCHEE 6 ENE	36 32 28	Feb27 Feb06 Jan18	Mar25 Mar02 Feb15	Apr19 Mar27 Mar15	Oct23 Oct30 Nov15	Nov14 Nov23 Dec12	Dec05 Dec16 Jan07	269 296 335	233 265 299	198 233 263	12 7 3
STUART 1 S	36 32 28	- - -	Jan28 Dec31 -	Mar03 Feb23 Feb15	Dec18 Dec25 Jan11	Jan22 Feb12 -	- - -	>365 >365 >365	>365 >365 >365	310 320 >365	1 0 0

TALLAHASSEE MUNICIPAL AP	36 32 28	Mar15 Mar02 Feb07	Apr04 Mar22 Mar01	Apr24 Apr10 Mar23		Oct16 Oct24 Nov07	Nov02 Nov17 Nov30	Nov18 Dec10 Dec22	238 272 303	211 239 273	184 206 243	14 9 5
TAMIAMI TRAIL 40 MI BEND	36 32 28	- - -	- - -	Feb13 Jan14 -		Jan06 Jan05 -	- - -	- - -	>365 >365 >365	>365 >365 >365	335 >365 >365	0 0 0
TAMPA INTL AP	36 32 28	Jan10 - -	Feb09 Jan19 -	Mar09 Feb22 Jan27		Nov26 Dec17 Jan03	Dec25 Jan21 -	Jan27 - -	>365 >365 >365	313 >365 >365	280 312 365	2 1 0
TARPON SPRINGS SWG PLNT	36 32 28	Jan20 - -	Feb16 Jan29 Dec28	Mar15 Feb26 Jan28		Nov29 Dec11 Dec28	Dec18 Jan07 -	Jan06 - -	334 >365 >365	305 343 >365	275 303 346	2 1 0
TAVERNIER	36 32 28	- - -	- - -	Jan05 - -		Jan12 - -	- - -	- - -	>365 >365 >365	>365 >365 >365	>365 >365 >365	0 0 0
TITUSVILLE	36 32 28	Jan14 - -	Feb14 Jan26 Dec30	Mar13 Mar04 Feb21		Dec02 Dec11 Dec28	Dec25 Jan09 Feb23	Jan19 - -	>365 >365 >365	309 >365 >365	280 296 320	3 1 0
USHER TOWER	36 32 28	Feb24 Jan30 Jan10	Mar17 Mar01 Feb11	Apr07 Mar31 Mar07		Oct23 Oct30 Nov20	Nov14 Nov24 Dec22	Dec07 Dec20 Jan31	275 306 >365	242 265 312	209 227 267	8 5 2
VENICE	36 32 28	- - -	Jan31 Jan05 -	Feb28 Feb09 Jan26		Dec05 Dec23 Jan05	Jan06 Jan21 -	- - -	>365 >365 >365	339 >365 >365	294 335 >365	1 0 0
VERO BEACH MUNI ARPT	36 32 28	- - -	Feb04 Jan04 -	Mar17 Feb21 Feb03		Dec11 Dec25 Jan10	Jan11 Feb18 -	- - -	>365 >365 >365	328 >365 >365	290 317 >365	1 0 0
VERO BEACH 4 W	36 32 28	Dec22 - -	Feb04 Jan16 -	Mar09 Feb23 Jan28		Dec06 Dec20 Dec29	Jan05 Jan26 -	Feb13 - -	>365 >365 >365	328 >365 >365	289 313 >365	2 1 0
WAUCHULA	36 32 28	Jan19 - -	Feb23 Feb06 Jan04	Mar26 Mar05 Feb17		Nov17 Dec06 Dec21	Dec15 Jan06 Jan27	Jan14 - -	>365 >365 >365	290 326 >365	258 293 316	3 1 0
WEEKI WACHEE	36 32 28	Feb07 Jan22 -	Mar06 Feb20 Feb01	Apr01 Mar19 Feb28		Nov02 Nov17 Dec03	Dec03 Dec18 Jan08	Jan04 Jan20 -	312 >365 >365	270 293 336	231 261 296	6 3 1
WEST PALM BEACH INTL AP	36 32 28	- - -	Jan09 - -	Feb24 Feb08 -		Dec23 Jan12 -	Feb08 - -	- - -	>365 >365 >365	>365 >365 >365	315 >365 >365	0 0 0
WEWAHITCHKA	36 32 28	Feb21 Feb05 Jan15	Mar16 Feb26 Feb10	Apr08 Mar18 Mar07		Oct21 Nov04 Nov21	Nov14 Nov30 Dec22	Dec09 Dec26 Jan21	278 305 >365	243 277 307	208 248 279	11 6 3
WINTER HAVEN	36 32 28	Dec31 - -	Feb14 Jan30 Dec16	Mar21 Mar10 Feb10		Nov25 Dec14 Dec27	Dec29 Jan13 -	Feb10 - -	>365 >365 >365	309 340 >365	270 306 330	2 1 0

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 (Aug 1 - Jul 31).  
(percent of days with temperatures at or below the threshold temperature)

Freeze / Frost Occurrence Data

All probabilities in whole percent. See notes for probability level description.  
- Indicates the probability of occurrence of threshold temperatureis less than indicated probability.

State And Station Name	Thresh hold (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			Prob o b a b i l i t y
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
Georgia											
ALBANY 3 SE	36 32 28	Mar08 Feb20 Feb03	Apr02 Mar17 Feb27	Apr26 Apr11 Mar22	Oct12 Oct25 Nov05	Nov01 Nov13 Nov27	Nov20 Dec02 Dec19	249 277 308	212 240 272	176 204 237	19 13 7
ALLATOONA DAM 2	36 32 28	Apr04 Mar21 Mar01	Apr16 Apr04 Mar19	Apr28 Apr17 Apr06	Oct05 Oct23 Oct26	Oct20 Nov05 Nov16	Nov05 Nov18 Dec07	202 233 272	187 214 241	171 195 210	27 20 12
ALMA BACON COUNTY AP	36 32 28	Mar06 Feb10 Jan28	Mar25 Mar03 Feb18	Apr12 Mar24 Mar10	Oct25 Nov01 Nov12	Nov11 Nov25 Dec16	Nov28 Dec19 Jan19	259 300 >365	231 266 294	202 232 268	11 7 3
AMERICUS 3 SW	36 32 28	Mar20 Mar04 Feb06	Apr04 Mar22 Feb28	Apr19 Apr09 Mar22	Oct14 Oct28 Nov05	Oct29 Nov14 Nov30	Nov14 Dec02 Dec26	227 265 307	208 237 275	189 208 243	18 12 7
APPLING 2 NW	36 32 28	Apr04 Mar26 Mar04	Apr22 Apr10 Mar25	May10 Apr26 Apr16	Oct06 Oct10 Oct21	Oct18 Oct27 Nov12	Oct30 Nov12 Dec03	203 222 260	178 198 231	153 175 202	26 19 12
ASHBURN 3 ENE	36 32 28	Mar02 Feb12 Jan30	Mar20 Mar04 Feb18	Apr07 Mar24 Mar09	Oct22 Nov02 Nov15	Nov07 Nov22 Dec13	Nov23 Dec13 Jan10	258 289 324	232 262 296	205 236 270	14 8 4
ATHENS BEN EPPS AP	36 32 28	Mar24 Mar09 Feb18	Apr08 Mar24 Mar09	Apr24 Apr08 Mar27	Oct14 Oct20 Nov10	Oct31 Nov07 Nov26	Nov17 Nov24 Dec12	227 250 280	205 227 262	183 203 243	20 13 7
ATLANTA HARTSFIELD AP	36 32 28	Mar20 Mar03 Feb10	Apr04 Mar24 Mar04	Apr18 Apr14 Mar26	Oct19 Oct31 Nov06	Nov03 Nov16 Dec05	Nov18 Dec01 Jan02	236 264 306	212 236 275	189 208 244	19 12 7
AUGUSTA BUSH FIELD AP	36 32 28	Mar28 Mar14 Feb19	Apr12 Mar30 Mar12	Apr27 Apr15 Apr02	Oct09 Oct20 Nov01	Oct22 Nov07 Nov21	Nov03 Nov24 Dec11	210 246 279	192 221 253	174 196 227	21 14 9
BLAIRSVILLE EXP STA	36 32 28	Apr23 Apr13 Apr04	May08 May01 Apr19	May24 May20 May03	Sep20 Sep29 Oct06	Oct04 Oct10 Oct20	Oct17 Oct22 Nov03	166 184 203	147 161 184	129 138 165	37 30 22
BROOKLET 1 W	36 32 28	Mar09 Feb16 Jan31	Mar27 Mar09 Feb19	Apr14 Mar30 Mar11	Oct19 Nov03 Nov17	Nov08 Nov19 Dec09	Nov27 Dec04 Dec31	254 281 319	225 254 290	195 227 264	13 8 4
BRUNSWICK	36 32 28	Feb07 Jan23 -	Mar07 Feb19 Feb05	Apr04 Mar16 Mar05	Nov02 Nov17 Dec04	Nov25 Dec09 Jan03	Dec17 Jan03 -	300 332 >365	262 291 323	225 259 287	8 4 2
BRUNSWICK MCKINNON AP	36 32 28	Feb08 Jan29 Dec31	Feb28 Feb18 Feb03	Mar19 Mar09 Mar02	Nov08 Nov22 Dec06	Nov29 Dec19 Jan06	Dec20 Jan15 Feb15	306 333 >365	273 301 330	241 272 298	6 3 1
CAMILLA 3 SE	36 32 28	Mar07 Feb13 Jan26	Mar25 Mar05 Feb19	Apr12 Mar26 Mar15	Oct15 Oct30 Nov14	Nov01 Nov19 Dec10	Nov18 Dec10 Jan06	247 286 328	220 258 292	193 231 259	13 8 4



CARROLLTON	36 32 28	Apr06 Mar21 Feb22	Apr24 Apr08 Mar17	May12 Apr26 Apr10		Oct04 Oct10 Oct24	Oct17 Oct30 Nov13	Oct30 Nov18 Dec02	198 231 273	175 204 240	153 177 206	25 18 11
CARTERSVILLE	36 32 28	Apr06 Mar28 Mar10	Apr22 Apr10 Mar25	May08 Apr23 Apr09		Oct01 Oct07 Oct22	Oct16 Oct23 Nov07	Oct31 Nov07 Nov23	199 215 248	176 195 226	154 174 205	24 17 11
CEDARTOWN 3 NE	36 32 28	Apr08 Mar28 Mar06	Apr20 Apr10 Mar24	May03 Apr22 Apr12		Sep30 Oct07 Oct29	Oct13 Oct24 Nov12	Oct27 Nov09 Nov26	191 215 252	175 196 232	160 178 212	25 19 12
CLAYTON 1 SSW	36 32 28	Apr21 Apr10 Mar26	May07 Apr28 Apr11	May22 May17 Apr28		Sep24 Oct02 Oct13	Oct07 Oct17 Oct29	Oct20 Nov01 Nov15	173 195 226	153 171 200	133 146 175	33 25 18
COLQUITT 2 W	36 32 28	Mar06 Feb24 Jan25	Mar26 Mar12 Feb17	Apr15 Mar28 Mar11		Oct16 Oct31 Nov10	Nov04 Nov19 Dec06	Nov23 Dec08 Jan01	252 274 323	222 252 292	193 229 261	13 8 4
COLUMBUS METRO AP	36 32 28	Mar13 Feb22 Jan27	Mar30 Mar11 Feb18	Apr16 Mar28 Mar12		Oct22 Nov02 Nov15	Nov09 Nov19 Dec12	Nov27 Dec06 Jan08	247 274 325	223 252 295	200 230 267	15 9 4
COMMERCE 4 NNW	36 32 28	Mar30 Mar16 Feb28	Apr17 Apr03 Mar19	May04 Apr20 Apr06		Oct05 Oct14 Oct28	Oct19 Oct31 Nov15	Nov02 Nov17 Dec03	205 235 267	184 210 241	163 185 215	26 19 12
CORDELE	36 32 28	Mar08 Feb20 Jan31	Mar28 Mar11 Feb21	Apr17 Mar30 Mar13		Oct11 Oct28 Nov07	Nov02 Nov15 Dec03	Nov23 Dec02 Dec28	247 273 316	218 248 284	189 223 253	14 9 5
CORNELIA	36 32 28	Apr02 Mar22 Mar11	Apr23 Apr13 Mar29	May15 May05 Apr16		Sep27 Oct08 Oct18	Oct13 Oct26 Nov07	Oct28 Nov13 Nov28	202 227 253	172 195 223	141 162 193	28 21 13
COVINGTON	36 32 28	Mar25 Mar06 Feb17	Apr10 Mar28 Mar12	Apr26 Apr20 Mar31		Oct09 Oct20 Nov05	Oct26 Nov11 Nov21	Nov12 Dec02 Dec12	223 258 >365	198 227 253	173 195 232	22 14 8
CUTHERBERT	36 32 28	Mar10 Feb21 Jan29	Mar26 Mar11 Feb20	Apr11 Mar28 Mar13		Oct26 Nov04 Nov15	Nov13 Nov19 Dec11	Nov30 Dec04 Jan07	252 276 323	231 253 292	210 230 264	13 8 4
DAHLONEGA 1 W	36 32 28	Apr12 Mar26 Mar10	Apr28 Apr14 Mar25	May14 May04 Apr10		Sep30 Oct09 Oct24	Oct13 Oct25 Nov09	Oct27 Nov10 Nov25	187 219 251	167 193 228	147 166 204	32 24 16
DALLAS 7 NE	36 32 28	Apr07 Mar30 Mar13	Apr22 Apr12 Mar29	May06 Apr24 Apr14		Oct03 Oct10 Oct21	Oct15 Oct24 Nov08	Oct26 Nov08 Nov26	191 212 246	175 195 223	160 177 201	29 22 14
DALTON	36 32 28	Apr03 Mar16 Feb26	Apr15 Mar31 Mar18	Apr27 Apr15 Apr07		Oct08 Oct15 Oct28	Oct22 Nov03 Nov15	Nov05 Nov21 Dec03	206 241 270	189 216 241	172 190 213	27 20 12
DOUGLAS	36 32 28	Mar06 Feb21 Jan29	Mar25 Mar10 Feb18	Apr13 Mar26 Mar11		Oct20 Nov02 Nov11	Nov09 Nov19 Dec05	Nov28 Dec06 Dec28	258 279 321	228 254 288	198 229 256	16 10 6
DUBLIN	36 32 28	Mar22 Mar03 Feb04	Apr07 Mar20 Mar01	Apr22 Apr06 Mar26		Oct10 Oct25 Nov03	Oct26 Nov10 Nov28	Nov12 Nov27 Dec23	226 259 310	202 234 271	177 209 232	21 14 8
EASTMAN 1 W	36 32 28	Mar12 Feb17 Jan28	Mar29 Mar09 Feb19	Apr16 Mar30 Mar13		Oct18 Nov03 Nov10	Nov07 Nov19 Dec05	Nov27 Dec06 Dec31	250 283 324	222 254 289	194 225 253	16 9 5
ELBERTON 2 N	36 32 28	Apr13 Mar29 Mar13	Apr29 Apr16 Mar30	May15 May03 Apr16		Oct01 Oct05 Oct15	Oct12 Oct20 Nov03	Oct23 Nov03 Nov22	187 205 240	166 186 218	145 167 195	29 22 15
EXPERIMENT	36 32 28	Mar31 Mar13 Feb17	Apr12 Mar29 Mar11	Apr24 Apr15 Apr02		Oct09 Oct22 Nov04	Oct22 Nov06 Nov20	Nov04 Nov20 Dec06	210 243 278	193 221 253	175 198 228	22 15 9

FITZGERALD	36 32 28	Feb24 Feb07 Jan22	Mar17 Feb28 Feb15	Apr06 Mar20 Mar11	Oct29 Nov01 Nov28	Nov13 Nov26 Dec23	Nov27 Dec20 Jan18	267 298 343	241 270 309	215 242 278	12 7 3
FOLKSTON 9 SW	36 32 28	Mar04 Feb12 Jan29	Mar21 Mar06 Feb20	Apr07 Mar27 Mar14	Oct27 Nov04 Nov18	Nov13 Nov25 Dec14	Dec01 Dec16 Jan08	262 293 330	237 264 296	212 234 263	10 6 3
FORSYTH 6 NNW	36 32 28	Apr05 Mar24 Feb26	Apr21 Apr09 Mar20	May07 Apr25 Apr11	Oct02 Oct12 Oct24	Oct18 Oct28 Nov10	Nov02 Nov13 Nov27	203 227 263	179 202 234	155 176 205	25 18 11
FORT STEWART	36 32 28	Mar03 Feb08 Jan28	Mar21 Mar01 Feb16	Apr07 Mar22 Mar08	Nov01 Nov07 Nov20	Nov15 Nov26 Dec20	Nov29 Dec15 Jan20	262 298 342	239 269 303	215 240 272	10 6 3
GAINESVILLE	36 32 28	Mar26 Mar08 Feb23	Apr12 Mar29 Mar16	Apr29 Apr18 Apr05	Oct12 Oct26 Nov02	Oct28 Nov12 Nov26	Nov14 Nov28 Dec19	224 253 286	198 227 254	173 201 222	23 16 9
GLENNVILLE	36 32 28	Mar04 Feb10 Jan27	Mar21 Mar03 Feb16	Apr06 Mar24 Mar07	Oct30 Nov07 Nov22	Nov14 Nov25 Dec17	Nov30 Dec13 Jan11	260 294 336	238 267 302	216 239 272	12 7 4
GREENVILLE	36 32 28	Mar30 Mar23 Feb26	Apr16 Apr08 Mar20	May03 Apr25 Apr11	Oct05 Oct15 Nov03	Oct23 Nov04 Nov23	Nov10 Nov25 Dec13	216 234 278	189 209 247	162 185 216	23 16 10
HARTWELL	36 32 28	Mar17 Mar08 Feb15	Apr06 Mar24 Mar06	Apr27 Apr09 Mar25	Oct09 Oct27 Nov02	Oct30 Nov13 Nov22	Nov20 Dec01 Dec12	231 258 285	206 234 260	181 209 235	20 13 7
HAWKINSVILLE	36 32 28	Mar15 Feb27 Feb06	Apr02 Mar17 Feb27	Apr20 Apr04 Mar19	Oct11 Oct26 Oct31	Oct28 Nov13 Nov27	Nov15 Dec01 Dec24	235 267 309	209 240 273	182 214 236	19 13 8
HELEN	36 32 28	Apr13 Apr05 Mar16	May02 Apr21 Apr03	May20 May08 Apr21	Sep27 Oct07 Oct15	Oct09 Oct22 Nov01	Oct20 Nov07 Nov17	183 208 236	159 183 210	135 159 185	29 22 14
HOMERVILLE 5 N	36 32 28	Mar12 Feb24 Feb01	Apr01 Mar15 Feb21	Apr20 Apr02 Mar13	Oct17 Oct30 Nov07	Nov02 Nov14 Dec01	Nov17 Nov29 Dec26	240 268 314	214 244 282	189 219 251	15 9 5
IRWINTON 4 WNW	36 32 28	Mar18 Feb22 Jan31	Apr07 Mar17 Feb26	Apr27 Apr09 Mar23	Oct17 Oct31 Nov14	Nov05 Nov16 Dec03	Nov24 Dec02 Dec23	241 274 311	211 243 280	181 212 250	16 9 5
JASPER 1 NNW	36 32 28	Apr03 Mar21 Mar05	Apr23 Apr10 Mar24	May14 May01 Apr12	Sep29 Oct09 Oct21	Oct16 Oct27 Nov11	Nov02 Nov15 Dec01	203 228 262	175 199 231	146 171 200	25 18 12
JESUP 8 S	36 32 28	Mar20 Mar04 Feb06	Apr05 Mar18 Feb27	Apr21 Apr02 Mar21	Oct12 Oct25 Nov03	Oct31 Nov13 Dec02	Nov18 Dec02 Dec31	235 263 315	208 239 277	181 215 239	15 9 5
LA FAYETTE 5 SW	36 32 28	Apr09 Apr01 Mar14	Apr26 Apr15 Mar30	May12 Apr29 Apr14	Oct02 Oct09 Oct25	Oct13 Oct23 Nov10	Oct23 Nov07 Nov27	189 210 247	169 191 225	149 172 203	30 23 15
LA GRANGE	36 32 28	Apr03 Mar22 Feb23	Apr15 Apr04 Mar15	Apr27 Apr18 Apr05	Oct06 Oct17 Nov03	Oct19 Nov01 Nov19	Nov01 Nov16 Dec05	203 230 271	186 210 248	170 189 225	22 15 9
LOUISVILLE 1 E	36 32 28	Mar23 Mar09 Feb11	Apr06 Mar27 Mar01	Apr20 Apr14 Mar19	Oct11 Oct21 Nov07	Oct26 Nov10 Nov25	Nov11 Nov29 Dec13	221 253 292	203 227 268	184 202 244	17 12 6
LUMPKIN 2 SE	36 32 28	Mar29 Mar18 Feb19	Apr14 Apr04 Mar10	May01 Apr20 Mar30	Oct10 Oct15 Oct26	Oct24 Nov04 Nov18	Nov08 Nov25 Dec12	213 238 282	192 214 252	171 190 223	19 14 8
MACON MIDDLE GA RGNL AP	36 32 28	Mar21 Mar01 Feb10	Apr05 Mar20 Feb28	Apr20 Apr07 Mar17	Oct11 Oct26 Nov09	Oct27 Nov10 Nov28	Nov13 Nov25 Dec17	226 258 293	204 235 273	183 212 252	17 12 6

MIDVILLE EXP STA	36 32 28	Mar17 Feb22 Feb07	Apr03 Mar14 Feb26	Apr20 Apr02 Mar17		Oct06 Oct21 Nov03	Oct26 Nov10 Nov22	Nov14 Dec01 Dec12	231 269 292	205 241 269	179 213 245	18 12 7
MILLEDGEVILLE	36 32 28	Mar31 Mar16 Feb24	Apr15 Apr02 Mar14	Apr29 Apr18 Apr01		Oct08 Oct23 Oct31	Oct22 Nov06 Nov18	Nov04 Nov21 Dec06	208 238 274	189 218 248	171 198 223	25 18 11
MONTICELLO	36 32 28	Mar21 Mar07 Feb08	Apr05 Mar25 Mar01	Apr21 Apr11 Mar23		Oct14 Oct24 Nov03	Oct31 Nov10 Nov25	Nov18 Nov28 Dec17	232 258 301	208 230 268	184 202 234	20 14 8
MOULTRIE 2 ESE	36 32 28	Mar03 Feb09 Jan29	Mar20 Mar03 Feb18	Apr06 Mar25 Mar10		Oct24 Nov02 Nov16	Nov10 Nov27 Dec12	Nov27 Dec23 Jan07	256 304 325	234 269 295	212 234 267	11 7 4
NAHUNTA 3 E	36 32 28	Mar12 Feb22 Feb04	Mar30 Mar15 Feb23	Apr17 Apr05 Mar15		Oct21 Nov02 Nov14	Nov06 Nov20 Dec08	Nov23 Dec08 Jan01	248 278 318	221 249 287	193 220 256	13 8 4
NEWINGTON	36 32 28	Mar09 Feb22 Jan31	Mar29 Mar15 Feb21	Apr18 Apr04 Mar14		Oct14 Oct25 Nov04	Nov02 Nov13 Dec01	Nov22 Dec02 Dec27	244 272 308	218 243 279	191 214 253	13 9 5
NEWMAN 4 NE	36 32 28	Apr04 Mar22 Feb25	Apr16 Apr04 Mar16	Apr28 Apr17 Apr04		Oct06 Oct18 Oct30	Oct20 Nov04 Nov15	Nov02 Nov21 Dec01	203 236 266	186 214 243	169 191 219	22 16 10
PLAINS SW GA EXP STN	36 32 28	Mar19 Feb26 Feb03	Apr04 Mar16 Feb24	Apr20 Apr03 Mar16		Oct16 Oct27 Nov06	Oct31 Nov15 Nov29	Nov14 Dec04 Dec21	230 270 308	209 243 278	189 217 247	18 12 6
QUITMAN 2 NW	36 32 28	Mar05 Feb11 Jan31	Mar25 Mar03 Feb17	Apr14 Mar23 Mar06		Oct20 Oct30 Nov10	Nov08 Nov20 Dec10	Nov27 Dec11 Jan09	256 291 327	227 261 294	198 232 263	14 8 4
ROME	36 32 28	Apr04 Mar29 Feb28	Apr18 Apr10 Mar20	May03 Apr21 Apr08		Oct05 Oct12 Oct21	Oct17 Oct27 Nov08	Oct30 Nov12 Nov27	197 221 260	181 200 233	166 179 207	28 21 14
SANDERSVILLE	36 32 28	Mar24 Mar02 Feb11	Apr08 Mar22 Mar07	Apr23 Apr11 Mar30		Oct08 Oct23 Oct31	Oct24 Nov10 Nov26	Nov10 Nov29 Dec21	220 260 293	199 233 263	177 205 234	20 13 8
SAPELO ISLAND	36 32 28	Feb19 Feb01 Jan10	Mar11 Feb24 Feb10	Apr01 Mar18 Mar06		Nov05 Nov14 Dec01	Nov22 Dec09 Jan01	Dec10 Jan03 Feb10	282 323 >365	256 288 318	229 253 286	8 5 2
SAVANNAH MUNICIPAL AP	36 32 28	Mar05 Feb10 Jan31	Mar24 Mar01 Feb18	Apr11 Mar20 Mar08		Oct29 Nov05 Nov17	Nov13 Nov25 Dec18	Nov27 Dec14 Jan18	259 298 336	233 268 300	206 238 267	11 6 3
SILOAM 3 N	36 32 28	Mar26 Mar11 Feb24	Apr13 Mar30 Mar15	Apr30 Apr18 Apr04		Oct10 Oct21 Nov06	Oct24 Nov07 Nov21	Nov08 Nov24 Dec06	218 247 272	194 221 250	170 196 227	21 14 8
SURRENCY 2 WNW	36 32 28	Mar22 Mar03 Feb08	Apr07 Mar21 Feb28	Apr24 Apr09 Mar20		Oct09 Oct18 Nov06	Oct27 Nov08 Nov28	Nov14 Nov29 Dec21	226 257 300	201 231 273	177 204 245	15 10 6
SWAINSBORO	36 32 28	Mar19 Mar01 Feb11	Apr05 Mar21 Mar05	Apr23 Apr11 Mar27		Oct12 Oct24 Nov05	Oct30 Nov12 Nov24	Nov16 Dec01 Dec12	231 267 291	207 235 263	182 203 235	16 10 6
TALBOTTON	36 32 28	Mar31 Mar21 Feb27	Apr17 Apr05 Mar17	May04 Apr20 Apr03		Oct06 Oct15 Oct27	Oct18 Oct31 Nov15	Oct31 Nov16 Dec04	205 230 268	184 208 242	162 186 217	21 15 9
THOMASTON 2 S	36 32 28	Mar31 Mar15 Feb22	Apr12 Mar30 Mar10	Apr24 Apr13 Mar26		Oct13 Oct24 Nov07	Oct26 Nov08 Nov23	Nov09 Nov24 Dec09	210 244 279	197 223 257	183 202 236	20 14 8
THOMASVILLE 3 NE	36 32 28	Mar06 Feb11 Jan24	Mar23 Mar03 Feb15	Apr10 Mar22 Mar09		Oct27 Nov03 Nov18	Nov13 Nov24 Dec14	Nov29 Dec16 Jan09	257 292 332	234 266 300	210 240 271	11 6 3

TIFTON EXP STA	36 32 28	Mar03 Feb11 Jan27	Mar21 Mar02 Feb16	Apr08 Mar21 Mar09		Oct28 Nov06 Nov16	Nov14 Nov27 Dec14	Dec01 Dec17 Jan10	264 297 335	237 269 298	211 242 265	13 8 4
TOCCOA	36 32 28	Mar28 Mar15 Feb23	Apr17 Apr01 Mar18	May07 Apr18 Apr10		Oct07 Oct17 Nov02	Oct25 Nov06 Nov19	Nov11 Nov27 Dec06	219 247 277	190 218 245	161 190 213	22 15 9
U OF GA PLANT SCI FARM	36 32 28	Mar29 Mar15 Feb21	Apr11 Mar30 Mar13	Apr25 Apr13 Apr03		Oct09 Oct22 Nov02	Oct24 Nov06 Nov20	Nov09 Nov22 Dec08	215 242 273	195 221 251	175 200 229	22 15 9
WARRENTON	36 32 28	Mar24 Mar11 Feb18	Apr07 Mar28 Mar11	Apr21 Apr14 Apr01		Oct12 Oct22 Nov08	Oct28 Nov08 Nov23	Nov13 Nov25 Dec08	221 249 275	203 225 256	184 200 237	23 16 9
WASHINGTON 2 ESE	36 32 28	Mar23 Mar10 Feb17	Apr11 Mar30 Mar12	Apr29 Apr18 Apr04		Oct12 Oct22 Nov01	Oct25 Nov11 Nov20	Nov07 Nov30 Dec09	217 256 280	196 225 253	176 194 226	24 17 10
WAYCROSS 4 NE	36 32 28	Mar12 Feb18 Feb04	Apr03 Mar15 Mar03	Apr25 Apr08 Mar29		Oct10 Oct16 Oct30	Oct30 Nov06 Dec01	Nov19 Nov28 Jan02	240 266 306	209 236 270	179 206 237	18 13 7
WAYNESBORO 2 NE	36 32 28	Mar24 Mar12 Feb18	Apr10 Mar31 Mar10	Apr27 Apr19 Mar31		Oct07 Oct18 Nov01	Oct22 Nov04 Nov18	Nov05 Nov21 Dec04	213 245 275	194 217 252	175 189 228	23 16 10
WEST POINT	36 32 28	Mar29 Mar07 Feb14	Apr11 Mar23 Mar05	Apr23 Apr09 Mar24		Oct12 Oct25 Nov04	Oct27 Nov11 Nov25	Nov11 Nov29 Dec15	218 258 292	198 232 264	178 207 237	23 16 9
WINDER 1 SSE	36 32 28	Apr03 Mar17 Mar03	Apr19 Apr03 Mar22	May05 Apr19 Apr10		Oct07 Oct13 Oct29	Oct20 Nov01 Nov16	Nov03 Nov20 Dec05	205 234 267	184 212 239	162 189 211	23 16 10

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 (Aug 1 - Jul 31).

(percent of days with temperatures at or below the threshold temperature)

Freeze / Frost Occurrence Data

All probabilities in whole percent. See notes for probability level description.  
- Indicates the probability of occurrence of threshold temperatureis less than indicated probability.

State And Station Name	T h r e s h o l d (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			P r o b a b i l i t y (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
Hawaii		90	50	10	10	50	90	10	50	90	
HALEAKALA R S 338	36 32 28	Feb08 - -	Apr23 - -	Jun19 Apr14 -	Oct12 Dec04 -	Dec27 - -	- - -	>365 >365 >365	244 >365 >365	128 266 >365	4 0 0
HANA AP 355	36 32 28	- - -	- - -	- - -	- - -	- - -	- - -	>365 >365 >365	>365 >365 >365	>365 >365 >365	0 0 0
HAWAII VOLCNS NP HQ 54	36 32 28	- - -	- - -	Dec28 - -	Jan24 - -	- - -	- - -	>365 >365 >365	>365 >365 >365	>365 >365 >365	0 0 0
HILO INTL AP	36 32 28	- - -	- - -	- - -	- - -	- - -	- - -	>365 >365 >365	>365 >365 >365	>365 >365 >365	0 0 0
HONOLULU INTL AP 703	36 32 28	- - -	- - -	- - -	- - -	- - -	- - -	>365 >365 >365	>365 >365 >365	>365 >365 >365	0 0 0
KAHULUI AP 398	36 32 28	- - -	- - -	- - -	- - -	- - -	- - -	>365 >365 >365	>365 >365 >365	>365 >365 >365	0 0 0
KANALOHULUHULU 1075	36 32 28	- - -	Feb09 - -	Apr01 Mar01 -	Dec11 Feb09 -	Feb09 - -	- - -	>365 >365 >365	>365 >365 >365	281 >365 >365	1 0 0
KANEOME MAUKA 781	36 32 28	- - -	- - -	- - -	- - -	- - -	- - -	>365 >365 >365	>365 >365 >365	>365 >365 >365	0 0 0
KULANI CAMP 79	36 32 28	- - -	Feb22 - -	Apr04 Feb09 -	Oct25 Dec04 -	Dec26 - -	- - -	>365 >365 >365	316 >365 >365	218 >365 >365	2 0 0
LAHAINA 361	36 32 28	- - -	- - -	- - -	- - -	- - -	- - -	>365 >365 >365	>365 >365 >365	>365 >365 >365	0 0 0
LIHUE AP 1020.1	36 32 28	- - -	- - -	- - -	- - -	- - -	- - -	>365 >365 >365	>365 >365 >365	>365 >365 >365	0 0 0
MANOA LYON ARBORETUM	36 32 28	- - -	- - -	- - -	- - -	- - -	- - -	>365 >365 >365	>365 >365 >365	>365 >365 >365	0 0 0
MAUNA LOA SLOPE OBS	36 32 28	Jun24 Apr04 Feb11	Jul17 May21 Mar17	Aug10 Jul07 Apr20	Jul21 Sep07 Nov29	Aug18 Oct28 Jan02	Sep15 Dec18 Feb06	76 248 339	30 159 288	0 70 243	43 15 3
MOLOKAI KAUNAKAKAI AP524	36 32 28	- - -	- - -	- - -	- - -	- - -	- - -	>365 >365 >365	>365 >365 >365	>365 >365 >365	0 0 0

NAALEHU 14	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
OPIHIHALE 2 24.1	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
WAIKIKI 717.2	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
WAIMANALO EXP F 795.1	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0

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 (Aug 1 - Jul 31).  
(percent of days with temperatures at or below the threshold temperature)

Freeze / Frost Occurrence Data

All probabilities in whole percent. See notes for probability level description.  
- Indicates the probability of occurrence of threshold temperatureis less than indicated probability.

State And Station Name	Thresh old (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			Prob o b a b i l i t y (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
Iowa											
ALBIA 3 NNE	36 32 28	Apr18 Apr09 Mar30	May02 Apr21 Apr08	May16 May02 Apr18	Sep20 Sep23 Oct04	Oct02 Oct09 Oct21	Oct14 Oct26 Nov06	171 192 214	152 171 195	134 150 175	42 35 28
ALGONA 3 W	36 32 28	Apr26 Apr14 Apr01	May07 Apr28 Apr15	May18 May13 Apr29	Sep13 Sep20 Sep28	Sep26 Oct03 Oct15	Oct09 Oct16 Nov01	158 174 204	141 157 183	124 139 161	49 43 35
ALLISON	36 32 28	Apr22 Apr14 Mar30	May06 Apr27 Apr13	May20 May11 Apr27	Sep13 Sep21 Sep30	Sep26 Oct04 Oct15	Oct09 Oct17 Oct30	162 176 204	142 159 184	122 142 164	47 41 34
AMES 8 WSW	36 32 28	Apr22 Apr12 Mar31	May04 Apr26 Apr10	May16 May09 Apr20	Sep18 Sep22 Oct05	Sep29 Oct06 Oct17	Oct10 Oct20 Oct28	162 182 204	148 163 189	133 143 175	46 40 32
ANAMOSA 1 WNW	36 32 28	May04 Apr23 Apr11	May19 May08 Apr25	Jun03 May24 May08	Sep08 Sep17 Sep24	Sep20 Sep29 Oct08	Oct02 Oct10 Oct22	141 160 184	123 142 165	105 125 147	48 42 33
ANKENY	36 32 28	Apr23 Apr13 Mar31	May06 Apr25 Apr11	May18 May07 Apr23	Sep16 Sep21 Oct02	Sep27 Oct06 Oct17	Oct08 Oct21 Nov02	162 181 208	144 163 189	126 146 169	47 40 33
ATLANTIC 1 NE	36 32 28	Apr26 Apr21 Apr11	May14 May02 Apr25	May31 May13 May10	Sep09 Sep14 Sep25	Sep19 Sep28 Oct08	Sep28 Oct11 Oct22	150 165 184	127 148 165	104 131 147	48 42 34
AUDUBON 1 SSE	36 32 28	Apr24 Apr15 Apr03	May08 Apr28 Apr19	May23 May12 May04	Sep13 Sep19 Sep27	Sep23 Oct03 Oct15	Oct04 Oct16 Nov03	157 175 204	137 157 179	117 138 154	47 41 33
BEACONSFIELD	36 32 28	Apr17 Apr08 Mar28	May04 Apr24 Apr12	May22 May09 Apr27	Sep15 Sep21 Sep30	Oct01 Oct08 Oct20	Oct18 Oct25 Nov10	176 188 218	149 167 191	122 145 163	44 38 31
BEDFORD	36 32 28	Apr18 Apr11 Mar30	May03 Apr25 Apr12	May18 May09 Apr24	Sep15 Sep23 Sep30	Sep27 Oct06 Oct16	Oct10 Oct20 Nov01	166 180 206	146 164 187	126 147 168	43 37 30
BELLE PLAINE	36 32 28	Apr24 Apr13 Mar31	May08 Apr27 Apr13	May22 May10 Apr26	Sep13 Sep22 Sep29	Sep25 Oct05 Oct16	Oct06 Oct17 Nov02	157 178 209	139 160 185	121 143 162	47 40 32
BELLEVUE L AND D 12	36 32 28	Apr28 Apr17 Apr01	May13 May01 Apr14	May29 May15 Apr28	Sep18 Sep24 Sep30	Sep28 Oct06 Oct16	Oct09 Oct17 Nov01	157 175 204	138 156 184	118 138 163	47 41 32
BLOOMFIELD 1 WNW	36 32 28	Apr18 Apr02 Mar29	Apr30 Apr16 Apr08	May12 Apr30 Apr18	Sep18 Sep27 Oct09	Oct03 Oct12 Oct24	Oct18 Oct27 Nov08	173 200 218	155 178 199	138 157 180	41 34 27
BOONE	36 32 28	Apr26 Apr19 Apr05	May12 May01 Apr19	May27 May13 May02	Sep11 Sep19 Sep26	Sep24 Oct03 Oct11	Oct07 Oct16 Oct27	156 173 196	134 154 175	113 135 154	50 44 36

BRITT	36	Apr/24	May/08	May/22	Sep/11	Sep/23	Oct/04	154	137	120	49
	32	Apr/18	May/01	May/13	Sep/23	Oct/03	Oct/13	170	155	139	43
	28	Mar/30	Apr/15	May/01	Sep/26	Oct/13	Oct/29	205	180	155	35
BURLINGTON RADIO KBUR	36	Apr/10	Apr/24	May/08	Sep/24	Oct/08	Oct/23	184	166	149	40
	32	Mar/31	Apr/15	Apr/29	Oct/04	Oct/19	Nov/04	208	187	167	34
	28	Mar/28	Apr/07	Apr/17	Oct/13	Oct/29	Nov/14	221	204	187	26
BURLINGTON AP	36	Apr/08	Apr/24	May/09	Sep/26	Oct/08	Oct/21	186	167	148	42
	32	Mar/19	Apr/05	Apr/22	Sep/30	Oct/17	Nov/04	222	195	167	35
	28	Mar/21	Mar/31	Apr/11	Oct/11	Nov/01	Nov/21	239	214	188	28
CARROLL	36	Apr/26	May/10	May/24	Sep/11	Sep/23	Oct/05	156	135	113	48
	32	Apr/17	May/01	May/15	Sep/14	Sep/30	Oct/17	175	152	129	42
	28	Apr/04	Apr/19	May/05	Sep/24	Oct/12	Oct/30	198	175	152	34
CASCADE	36	Apr/29	May/14	May/29	Sep/10	Sep/21	Oct/03	149	129	110	49
	32	Apr/17	May/02	May/18	Sep/20	Oct/01	Oct/13	168	151	134	43
	28	Apr/03	Apr/19	May/04	Sep/26	Oct/11	Oct/27	199	175	151	35
CASTANA EXPERIMENT FARM	36	Apr/20	May/03	May/16	Sep/12	Sep/27	Oct/11	168	146	124	45
	32	Apr/11	Apr/27	May/12	Sep/21	Oct/05	Oct/19	181	161	141	40
	28	Apr/01	Apr/15	Apr/29	Oct/01	Oct/15	Oct/29	203	182	161	32
CEDAR RAPIDS AP	36	Apr/22	May/04	May/16	Sep/17	Sep/28	Oct/09	164	146	129	46
	32	Apr/10	Apr/22	May/04	Sep/23	Oct/07	Oct/20	185	167	150	39
	28	Mar/31	Apr/10	Apr/20	Oct/03	Oct/19	Nov/04	209	191	173	31
CEDAR RAPIDS NO 1	36	Apr/21	May/06	May/21	Sep/18	Sep/30	Oct/11	165	146	128	45
	32	Apr/12	Apr/25	May/09	Sep/23	Oct/06	Oct/20	182	163	145	39
	28	Mar/30	Apr/12	Apr/24	Oct/03	Oct/19	Nov/04	212	190	168	30
CENTERVILLE	36	Apr/17	Apr/29	May/11	Sep/20	Oct/03	Oct/15	171	156	140	41
	32	Apr/07	Apr/20	May/03	Sep/24	Oct/11	Oct/28	196	174	152	35
	28	Mar/29	Apr/09	Apr/19	Oct/11	Oct/25	Nov/08	218	199	180	27
CHARITON 1 E	36	Apr/26	May/12	May/28	Sep/10	Sep/24	Oct/08	155	134	113	46
	32	Apr/16	May/01	May/17	Sep/20	Oct/02	Oct/15	170	153	136	39
	28	Apr/04	Apr/19	May/04	Sep/27	Oct/15	Nov/02	198	178	158	32
CHARLES CITY	36	Apr/27	May/11	May/26	Sep/11	Sep/23	Oct/04	153	134	114	49
	32	Apr/16	Apr/29	May/11	Sep/20	Oct/02	Oct/14	173	155	138	43
	28	Mar/31	Apr/14	Apr/27	Sep/24	Oct/10	Oct/27	200	179	157	35
CHEROKEE	36	Apr/27	May/15	Jun/01	Sep/09	Sep/19	Sep/29	147	127	106	52
	32	Apr/20	May/04	May/17	Sep/16	Sep/29	Oct/12	166	148	130	46
	28	Apr/11	Apr/26	May/11	Sep/24	Oct/08	Oct/23	185	165	144	39
CLARINDA	36	Apr/20	May/03	May/17	Sep/13	Sep/26	Oct/09	162	145	127	45
	32	Apr/11	Apr/24	May/06	Sep/23	Oct/08	Oct/23	185	166	147	39
	28	Mar/31	Apr/13	Apr/25	Oct/04	Oct/21	Nov/06	211	190	169	32
CLARION	36	Apr/27	May/11	May/25	Sep/08	Sep/20	Oct/02	151	131	112	50
	32	Apr/16	May/01	May/16	Sep/14	Sep/27	Oct/11	170	149	128	45
	28	Apr/02	Apr/18	May/03	Sep/25	Oct/09	Oct/23	195	173	151	37
CLINTON NO 1	36	Apr/22	May/07	May/21	Sep/18	Sep/30	Oct/11	165	146	127	43
	32	Apr/09	Apr/23	May/08	Sep/23	Oct/06	Oct/19	184	165	146	37
	28	Mar/30	Apr/11	Apr/23	Oct/02	Oct/19	Nov/06	214	190	167	28
COLO	36	Apr/24	May/04	May/15	Sep/12	Sep/25	Oct/08	160	143	125	49
	32	Apr/14	Apr/27	May/10	Sep/23	Oct/05	Oct/18	177	160	143	43
	28	Mar/29	Apr/12	Apr/26	Sep/29	Oct/15	Oct/30	206	185	165	35
COLUMBUS JUNCT 2 SSW	36	Apr/17	May/04	May/20	Sep/18	Sep/30	Oct/12	170	148	127	43
	32	Apr/08	Apr/23	May/09	Sep/25	Oct/08	Oct/22	185	167	149	36
	28	Mar/29	Apr/11	Apr/23	Oct/03	Oct/20	Nov/07	211	192	172	28
CORNING	36	Apr/20	May/06	May/22	Sep/13	Sep/26	Oct/10	166	143	119	48
	32	Apr/15	Apr/27	May/10	Sep/18	Oct/05	Oct/22	180	160	140	41
	28	Apr/02	Apr/15	Apr/29	Sep/26	Oct/12	Oct/29	200	179	158	34
CRESO 1 NE	36	Apr/29	May/17	Jun/04	Sep/10	Sep/22	Oct/04	149	127	104	52
	32	Apr/23	May/06	May/19	Sep/17	Oct/01	Oct/15	166	147	128	46
	28	Apr/11	Apr/24	May/08	Sep/26	Oct/08	Oct/21	186	166	147	39



CRESTON 2 SW	36 32 28	Apr18 Apr12 Mar31	May02 Apr24 Apr15	May17 May06 Apr30	Sep15 Sep22 Sep29	Sep29 Oct06 Oct18	Oct14 Oct21 Nov06	170 183 211	149 164 186	129 146 161	44 38 31
DECORAH	36 32 28	Apr29 Apr21 Apr05	May15 May05 Apr21	May30 May20 May07	Sep15 Sep22 Sep25	Sep24 Oct03 Oct11	Oct03 Oct15 Oct28	149 170 194	132 150 172	115 131 150	49 42 35
DENISON	36 32 28	Apr18 Apr11 Mar30	May02 Apr26 Apr14	May15 May10 Apr29	Sep16 Sep22 Oct03	Sep29 Oct07 Oct20	Oct13 Oct23 Nov05	169 187 208	150 164 187	132 141 167	46 40 32
DES MOINES AP	36 32 28	Apr17 Apr08 Mar27	Apr30 Apr20 Apr07	May13 May02 Apr18	Sep20 Sep26 Oct09	Oct05 Oct12 Oct25	Oct19 Oct27 Nov11	176 190 219	157 174 201	138 158 183	43 36 29
DUBUQUE LOCK & DAM 11	36 32 28	Apr11 Mar31 Mar26	Apr26 Apr15 Apr05	May10 Apr30 Apr14	Sep23 Oct08 Oct17	Oct07 Oct23 Oct30	Oct21 Nov06 Nov12	184 212 222	164 190 208	144 167 193	42 36 28
DUBUQUE AP	36 32 28	Apr25 Apr11 Apr01	May10 Apr25 Apr15	May25 May09 Apr29	Sep16 Sep22 Oct02	Oct01 Oct07 Oct18	Oct15 Oct22 Nov02	165 185 204	143 164 185	121 144 165	47 40 32
ELDORA	36 32 28	Apr22 Apr13 Mar29	May04 Apr26 Apr10	May15 May08 Apr23	Sep18 Sep22 Oct02	Sep29 Oct06 Oct17	Oct09 Oct19 Nov02	163 181 209	147 162 189	132 144 169	48 42 34
ELKADER 5 SSW	36 32 28	May07 Apr29 Apr15	May24 May12 May01	Jun11 May25 May17	Sep07 Sep13 Sep20	Sep17 Sep25 Oct04	Sep27 Oct08 Oct17	136 157 176	115 136 155	94 115 133	51 45 37
EMMETSBURG	36 32 28	Apr21 Apr14 Apr03	May04 Apr27 Apr12	May17 May11 Apr20	Sep14 Sep22 Sep27	Sep26 Oct05 Oct14	Oct08 Oct18 Oct30	162 177 202	145 160 184	127 143 166	49 43 35
ESTHERVILLE 2 N	36 32 28	Apr28 Apr17 Apr05	May11 May01 Apr19	May24 May15 May04	Sep12 Sep21 Sep25	Sep23 Oct01 Oct10	Oct03 Oct11 Oct25	152 169 196	134 152 173	116 135 149	52 46 39
FAIRFIELD	36 32 28	Apr19 Apr04 Mar29	May03 Apr18 Apr09	May17 May03 Apr20	Sep21 Sep24 Oct10	Oct02 Oct10 Oct24	Oct14 Oct26 Nov07	167 192 214	152 174 197	137 156 180	42 35 28
FAVETTE	36 32 28	May05 Apr24 Apr10	May19 May09 Apr26	Jun01 May23 May12	Sep08 Sep16 Sep23	Sep18 Sep27 Oct05	Sep29 Oct09 Oct17	140 159 181	122 141 162	105 122 143	51 45 37
FOREST CITY 2 NNE	36 32 28	Apr23 Apr17 Apr03	May06 Apr29 Apr14	May19 May11 Apr25	Sep14 Sep21 Sep27	Sep25 Oct02 Oct13	Oct06 Oct13 Oct30	160 169 201	141 155 182	123 142 163	49 44 36
FORT DODGE	36 32 28	Apr23 Apr15 Apr02	May05 Apr29 Apr17	May17 May13 May01	Sep11 Sep18 Sep26	Sep23 Oct04 Oct13	Oct05 Oct21 Oct30	158 177 198	141 157 178	123 137 159	48 43 35
FORT MADISON	36 32 28	Apr10 Mar29 Mar25	Apr25 Apr14 Apr04	May11 Apr30 Apr14	Sep22 Oct03 Oct15	Oct06 Oct20 Nov01	Oct21 Nov06 Nov18	185 212 230	163 188 210	142 164 190	40 33 26
GLENWOOD 3 SW	36 32 28	Apr20 Apr11 Mar31	May05 Apr26 Apr14	May21 May10 Apr28	Sep14 Sep21 Sep26	Sep25 Oct06 Oct12	Oct07 Oct21 Oct28	163 185 203	142 163 180	122 140 158	45 39 32
GREENFIELD	36 32 28	Apr18 Apr11 Mar30	May01 Apr25 Apr12	May13 May08 Apr25	Sep17 Sep22 Sep29	Sep30 Oct08 Oct17	Oct14 Oct25 Nov03	170 185 210	152 166 187	134 146 164	43 37 30
GRINNELL 3 SW	36 32 28	May04 Apr22 Apr11	May18 May06 Apr25	Jun01 May20 May10	Sep09 Sep16 Sep26	Sep20 Sep27 Oct08	Oct02 Oct09 Oct20	144 163 182	124 144 165	105 124 148	51 44 37
GRUNDY CENTER	36 32 28	Apr28 Apr16 Apr01	May10 Apr29 Apr16	May22 May12 May01	Sep13 Sep23 Sep28	Sep23 Oct03 Oct12	Oct03 Oct13 Oct25	152 171 198	135 156 178	119 142 158	50 43 35

GUTHRIE CENTER	36	Ap/24	May/09	May/24	Sep/09	Sep/19	Sep/29	153	133	112	49
	32	Ap/17	Ap/30	May/13	Sep/18	Oct/02	Oct/17	175	155	135	42
	28	Ap/03	Ap/18	May/02	Sep/22	Oct/10	Oct/28	200	174	148	35
GUTTENBERG L & D 10	36	Ap/15	May/01	May/17	Sep/21	Oct/01	Oct/12	172	153	133	44
	32	Ap/05	Ap/19	May/03	Sep/27	Oct/11	Oct/25	194	174	154	38
	28	Mar/30	Ap/11	Ap/23	Oct/07	Oct/24	Nov/10	219	196	172	30
HAMPTON	36	Ap/22	May/06	May/20	Sep/14	Sep/26	Oct/08	164	143	122	49
	32	Ap/14	Ap/27	May/10	Sep/22	Oct/04	Oct/15	175	159	143	42
	28	Mar/29	Ap/12	Ap/26	Oct/02	Oct/16	Oct/31	210	187	164	35
HARLAN	36	Ap/22	May/05	May/19	Sep/14	Sep/26	Oct/08	162	143	124	46
	32	Ap/13	Ap/27	May/12	Sep/22	Oct/07	Oct/21	181	162	142	40
	28	Ap/03	Ap/16	Ap/30	Oct/04	Oct/17	Oct/30	200	183	166	33
HAWARDEN	36	Ap/27	May/12	May/27	Sep/10	Sep/21	Oct/02	153	131	109	50
	32	Ap/19	May/02	May/15	Sep/12	Sep/27	Oct/11	168	147	126	44
	28	Ap/09	Ap/23	May/08	Sep/23	Oct/08	Oct/24	183	167	151	37
IDA GROVE 5 NW	36	Ap/24	May/06	May/19	Sep/10	Sep/24	Oct/09	161	140	119	49
	32	Ap/15	Ap/29	May/14	Sep/15	Oct/02	Oct/18	177	155	132	43
	28	Ap/06	Ap/21	May/07	Sep/26	Oct/12	Oct/27	193	172	152	36
INDIANOLA	36	Ap/19	May/06	May/24	Sep/13	Sep/25	Oct/07	163	141	118	45
	32	Ap/15	Ap/27	May/09	Sep/19	Oct/04	Oct/20	181	160	138	39
	28	Mar/29	Ap/13	Ap/28	Sep/26	Oct/15	Nov/02	207	184	160	31
IOWA CITY	36	Ap/15	Ap/29	May/12	Sep/22	Oct/06	Oct/19	178	160	141	42
	32	Ap/01	Ap/14	Ap/27	Sep/29	Oct/14	Oct/29	204	182	160	34
	28	Mar/30	Ap/08	Ap/17	Oct/18	Nov/01	Nov/14	223	206	189	27
IOWA FALLS	36	Ap/25	May/07	May/19	Sep/12	Sep/25	Oct/09	159	140	122	48
	32	Ap/16	Ap/29	May/12	Sep/19	Oct/02	Oct/15	175	155	135	42
	28	Ap/01	Ap/13	Ap/25	Sep/28	Oct/14	Oct/30	203	183	163	34
JEFFERSON	36	Ap/22	May/05	May/19	Sep/13	Sep/26	Oct/09	161	143	126	46
	32	Ap/13	Ap/27	May/11	Sep/22	Oct/06	Oct/20	181	161	141	40
	28	Ap/01	Ap/13	Ap/25	Oct/01	Oct/16	Oct/31	204	185	166	32
KEOKUK LOCK DAM 19	36	Ap/08	Ap/21	May/03	Sep/25	Oct/10	Oct/25	192	171	151	39
	32	Mar/30	Ap/08	Ap/17	Oct/07	Oct/24	Nov/09	214	198	181	31
	28	Mar/21	Ap/01	Ap/12	Oct/23	Nov/06	Nov/19	233	218	203	24
KEOSAUQUA	36	Ap/21	May/06	May/20	Sep/14	Sep/29	Oct/14	165	146	127	42
	32	Ap/12	Ap/23	May/04	Sep/21	Oct/07	Oct/22	187	166	145	36
	28	Mar/29	Ap/11	Ap/24	Oct/03	Oct/19	Nov/04	214	190	167	28
KNOXVILLE	36	Ap/17	Ap/28	May/10	Sep/20	Oct/03	Oct/16	171	157	143	42
	32	Ap/04	Ap/19	May/05	Sep/26	Oct/12	Oct/27	193	175	157	36
	28	Mar/28	Ap/08	Ap/18	Oct/09	Oct/25	Nov/09	217	199	181	28
LAKE PARK	36	Ap/24	May/06	May/19	Sep/13	Sep/24	Oct/06	159	140	122	51
	32	Ap/13	Ap/29	May/15	Sep/21	Oct/04	Oct/17	177	157	137	45
	28	Ap/03	Ap/18	May/02	Sep/29	Oct/14	Oct/29	199	179	158	38
LAMONI	36	Ap/14	Ap/27	May/09	Sep/22	Oct/05	Oct/18	179	161	142	42
	32	Ap/05	Ap/16	Ap/27	Sep/28	Oct/13	Oct/29	198	179	161	35
	28	Mar/27	Ap/07	Ap/17	Oct/12	Oct/28	Nov/14	223	204	184	28
LE CLAIRE L & D 14	36	Ap/11	Ap/25	May/09	Sep/25	Oct/08	Oct/22	187	166	144	41
	32	Mar/31	Ap/13	Ap/27	Oct/03	Oct/19	Nov/04	210	188	167	35
	28	Mar/28	Ap/07	Ap/16	Oct/17	Nov/01	Nov/16	224	207	191	28
LE MARS	36	Ap/22	May/08	May/23	Sep/11	Sep/23	Oct/05	159	138	116	49
	32	Ap/15	Ap/29	May/13	Sep/18	Oct/02	Oct/15	171	155	139	43
	28	Ap/04	Ap/20	May/06	Sep/24	Oct/10	Oct/26	193	172	151	36
LEON 6 ESE	36	Ap/21	May/11	May/31	Sep/11	Sep/25	Oct/10	166	136	107	46
	32	Ap/12	Ap/28	May/15	Sep/16	Oct/03	Oct/19	182	157	131	39
	28	Ap/02	Ap/17	May/02	Sep/25	Oct/15	Nov/04	208	180	152	32
LOGAN	36	Ap/21	May/05	May/20	Sep/14	Sep/24	Oct/05	160	141	123	46
	32	Ap/14	Ap/27	May/11	Sep/21	Oct/05	Oct/20	180	161	141	41
	28	Mar/31	Ap/14	Ap/28	Sep/26	Oct/11	Oct/27	196	180	164	33

MAPLETON NO 2	36 32 28	Apr 21 Apr 15 Apr 06	May 06 Apr 30 Apr 19	May 20 May 14 May 02	Sep 12 Sep 17 Sep 26	Sep 22 Oct 02 Oct 11	Oct 02 Oct 16 Oct 26	159 175 192	139 155 174	119 134 156	47 41 33
MAQUOKETA 3 S	36 32 28	Apr 26 Apr 14 Apr 02	May 11 May 01 Apr 17	May 26 May 17 May 03	Sep 12 Sep 20 Oct 01	Sep 24 Oct 02 Oct 16	Oct 06 Oct 15 Oct 31	155 174 204	135 154 181	115 134 158	48 41 33
MARSHALLTOWN	36 32 28	Apr 25 Apr 13 Mar 30	May 07 Apr 26 Apr 12	May 19 May 09 Apr 26	Sep 11 Sep 18 Sep 27	Sep 23 Oct 02 Oct 11	Oct 05 Oct 17 Oct 26	156 179 202	138 159 181	121 138 161	48 42 34
MASON CITY	36 32 28	Apr 30 Apr 17 Apr 04	May 15 May 01 Apr 20	May 29 May 15 May 07	Sep 09 Sep 18 Sep 26	Sep 21 Oct 01 Oct 11	Oct 04 Oct 15 Oct 26	149 171 200	129 153 173	109 134 146	50 45 37
MASON CITY AP	36 32 28	Apr 27 Apr 16 Apr 02	May 11 Apr 30 Apr 18	May 25 May 13 May 04	Sep 11 Sep 20 Sep 28	Sep 23 Sep 30 Oct 11	Oct 05 Oct 11 Oct 24	153 170 196	135 153 175	116 136 154	51 44 36
MILFORD 4 NW	36 32 28	Apr 28 Apr 17 Apr 05	May 11 Apr 30 Apr 21	May 24 May 13 May 07	Sep 13 Sep 19 Sep 27	Sep 24 Oct 02 Oct 11	Oct 05 Oct 15 Oct 24	156 173 192	136 155 172	115 136 152	50 44 37
MOUNT AYR 4 SW	36 32 28	Apr 15 Apr 10 Mar 31	May 01 Apr 23 Apr 12	May 17 May 07 Apr 24	Sep 17 Sep 22 Sep 29	Sep 29 Oct 08 Oct 18	Oct 11 Oct 24 Nov 06	171 188 212	150 167 188	129 146 165	44 38 31
MOUNT PLEASANT 1 SSW	36 32 28	Apr 18 Apr 05 Mar 29	May 03 Apr 20 Apr 09	May 19 May 05 Apr 19	Sep 21 Sep 25 Oct 09	Oct 03 Oct 10 Oct 25	Oct 16 Oct 24 Nov 11	170 192 219	152 172 199	135 152 179	42 35 28
MUSCATINE	36 32 28	Apr 20 Apr 04 Mar 30	May 03 Apr 20 Apr 11	May 16 May 06 Apr 23	Sep 16 Sep 24 Oct 05	Sep 30 Oct 10 Oct 22	Oct 13 Oct 26 Nov 07	168 197 217	149 172 193	130 147 169	42 36 28
NEW HAMPTON	36 32 28	Apr 25 Apr 10 Mar 30	May 09 Apr 26 Apr 12	May 23 May 11 Apr 25	Sep 15 Sep 23 Sep 30	Sep 27 Oct 04 Oct 14	Oct 09 Oct 15 Oct 29	158 179 205	140 161 185	122 142 164	48 42 34
NEWTON	36 32 28	Apr 18 Apr 08 Mar 30	May 03 Apr 20 Apr 09	May 17 May 02 Apr 18	Sep 13 Sep 26 Oct 07	Sep 27 Oct 11 Oct 22	Oct 11 Oct 26 Nov 06	172 192 214	147 173 195	121 154 177	44 38 31
NORTHWOOD	36 32 28	Apr 24 Apr 15 Apr 01	May 07 Apr 29 Apr 16	May 20 May 13 May 01	Sep 13 Sep 21 Sep 28	Sep 25 Oct 04 Oct 14	Oct 06 Oct 16 Oct 31	159 174 203	140 157 181	121 140 159	50 44 37
OAKLAND	36 32 28	Apr 12 Apr 16 Apr 02	May 06 Apr 28 Apr 17	May 31 May 11 May 02	Sep 10 Sep 12 Sep 26	Sep 22 Oct 01 Oct 12	Oct 04 Oct 19 Oct 27	168 181 199	138 155 177	109 129 154	47 40 33
OELWEIN 2 S	36 32 28	Apr 26 Apr 16 Apr 02	May 10 Apr 30 Apr 18	May 24 May 13 May 03	Sep 14 Sep 20 Sep 29	Sep 25 Oct 02 Oct 12	Oct 07 Oct 13 Oct 26	157 173 198	138 154 177	118 135 155	48 42 35
ONAWA 3 NW	36 32 28	Apr 21 Apr 15 Apr 05	May 05 Apr 28 Apr 19	May 19 May 11 May 03	Sep 15 Sep 20 Sep 26	Sep 25 Oct 03 Oct 13	Oct 05 Oct 17 Oct 30	162 174 198	143 158 177	123 141 155	46 40 33
OSAGE	36 32 28	Apr 22 Apr 13 Mar 29	May 05 Apr 27 Apr 12	May 18 May 11 Apr 27	Sep 16 Sep 22 Oct 02	Sep 26 Oct 05 Oct 18	Oct 07 Oct 18 Nov 03	163 177 210	144 160 188	125 144 167	48 42 34
OSCEOLA	36 32 28	Apr 19 Apr 09 Apr 01	May 02 Apr 23 Apr 12	May 15 May 08 Apr 24	Sep 16 Sep 23 Oct 01	Sep 29 Oct 09 Oct 21	Oct 11 Oct 24 Nov 09	167 190 209	149 167 190	131 145 171	45 39 32
OSKALOOSA	36 32 28	Apr 20 Apr 10 Mar 28	May 03 Apr 22 Apr 10	May 16 May 04 Apr 22	Sep 20 Sep 24 Oct 03	Oct 01 Oct 07 Oct 20	Oct 11 Oct 20 Nov 05	166 185 210	150 167 192	134 149 174	44 38 30
OTTUMWA AP	36 32 28	Apr 17 Apr 01 Mar 29	Apr 29 Apr 13 Apr 08	May 11 Apr 26 Apr 18	Sep 22 Oct 01 Oct 11	Oct 06 Oct 16 Oct 27	Oct 20 Oct 30 Nov 13	177 204 219	159 185 202	141 166 185	41 35 27

PERRY	36	Apr/24	May/06	May/18	Sep/14	Sep/24	Oct/05	158	141	123	49
	32	Apr/15	Apr/28	May/10	Sep/21	Oct/04	Oct/16	176	159	141	42
	28	Mar/30	Apr/13	Apr/27	Sep/27	Oct/15	Nov/01	206	184	161	35
POCAHONTAS	36	Apr/23	May/07	May/21	Sep/11	Sep/21	Oct/02	156	137	117	51
	32	Apr/14	Apr/29	May/14	Sep/20	Oct/01	Oct/11	172	154	137	45
	28	Apr/04	Apr/19	May/03	Sep/27	Oct/12	Oct/27	199	175	152	37
PRIMGHAR	36	Apr/27	May/09	May/20	Sep/14	Sep/24	Oct/04	156	137	119	48
	32	Apr/16	Apr/28	May/10	Sep/20	Sep/30	Oct/11	169	155	140	43
	28	Apr/06	Apr/21	May/06	Sep/26	Oct/10	Oct/24	191	171	151	36
RATHBUN DAM	36	Apr/17	Apr/30	May/13	Sep/20	Oct/05	Oct/21	176	158	139	44
	32	Apr/01	Apr/16	May/01	Sep/26	Oct/11	Oct/26	200	177	155	38
	28	Mar/29	Apr/10	Apr/21	Oct/04	Oct/20	Nov/06	214	193	172	31
RED OAK	36	Apr/21	May/05	May/18	Sep/08	Sep/22	Oct/05	160	139	119	45
	32	Apr/16	Apr/29	May/12	Sep/17	Oct/02	Oct/17	177	155	134	39
	28	Apr/07	Apr/19	May/02	Sep/26	Oct/12	Oct/27	194	175	156	32
ROCK RAPIDS	36	Apr/23	May/12	May/31	Sep/10	Sep/20	Oct/01	155	131	106	53
	32	Apr/18	May/02	May/17	Sep/16	Sep/28	Oct/11	168	148	128	47
	28	Apr/09	Apr/22	May/04	Sep/23	Oct/09	Oct/25	187	170	152	40
ROCKWELL CITY	36	Apr/23	May/05	May/16	Sep/13	Sep/25	Oct/07	159	143	127	48
	32	Apr/14	Apr/28	May/11	Sep/23	Oct/06	Oct/19	179	161	142	42
	28	Mar/30	Apr/13	Apr/28	Oct/02	Oct/16	Oct/29	204	185	166	34
SAC CITY	36	Apr/26	May/09	May/22	Sep/12	Sep/24	Oct/05	155	137	119	50
	32	Apr/15	Apr/28	May/11	Sep/18	Oct/04	Oct/19	179	158	137	44
	28	Apr/01	Apr/15	Apr/30	Oct/01	Oct/16	Oct/31	204	183	162	36
SANBORN	36	Apr/27	May/10	May/22	Sep/13	Sep/24	Oct/06	157	137	117	50
	32	Apr/17	Apr/30	May/13	Sep/18	Sep/30	Oct/13	170	153	136	45
	28	Apr/10	Apr/23	May/06	Sep/25	Oct/10	Oct/25	187	169	151	38
SHELDON	36	Apr/27	May/14	May/30	Sep/09	Sep/20	Sep/30	152	128	105	51
	32	Apr/20	May/04	May/19	Sep/15	Sep/27	Oct/09	166	145	124	45
	28	Apr/11	Apr/24	May/07	Sep/22	Oct/07	Oct/23	186	166	145	38
SHENANDOAH	36	Apr/16	May/01	May/15	Sep/14	Sep/27	Oct/10	170	149	128	43
	32	Apr/10	Apr/24	May/07	Sep/22	Oct/08	Oct/24	189	167	145	37
	28	Mar/28	Apr/12	Apr/28	Sep/30	Oct/17	Nov/03	211	187	163	30
SIBLEY 5 NNE	36	Apr/29	May/13	May/27	Sep/12	Sep/23	Oct/04	152	132	112	52
	32	Apr/22	May/05	May/18	Sep/15	Sep/27	Oct/09	163	145	126	47
	28	Apr/12	Apr/26	May/10	Sep/22	Oct/07	Oct/21	180	163	146	40
SIDNEY	36	Apr/14	Apr/27	May/10	Sep/19	Oct/04	Oct/19	177	159	141	42
	32	Apr/02	Apr/16	May/01	Sep/30	Oct/14	Oct/29	198	180	162	36
	28	Mar/25	Apr/07	Apr/19	Oct/10	Oct/28	Nov/14	225	203	182	28
SIGOURNEY	36	Apr/18	May/01	May/14	Sep/22	Oct/03	Oct/14	170	154	138	44
	32	Apr/06	Apr/19	May/02	Sep/28	Oct/13	Oct/29	199	177	155	37
	28	Mar/29	Apr/10	Apr/21	Oct/08	Oct/24	Nov/10	218	197	176	29
SIOUX CENTER 2 SE	36	Apr/21	May/12	Jun/01	Sep/10	Sep/20	Sep/30	156	130	105	49
	32	Apr/18	May/01	May/14	Sep/16	Sep/28	Oct/11	169	150	131	43
	28	Apr/07	Apr/20	May/04	Sep/23	Oct/09	Oct/25	189	171	153	36
SIOUX CITY AP	36	Apr/21	May/04	May/17	Sep/14	Sep/24	Oct/04	160	142	124	47
	32	Apr/12	Apr/26	May/10	Sep/19	Oct/03	Oct/16	178	159	140	41
	28	Apr/03	Apr/17	Apr/30	Sep/30	Oct/14	Oct/28	198	179	161	34
SIOUX RAPIDS 4 E	36	Apr/23	May/08	May/24	Sep/10	Sep/21	Oct/02	157	135	114	50
	32	Apr/16	Apr/29	May/13	Sep/17	Sep/29	Oct/11	169	152	135	44
	28	Apr/05	Apr/20	May/04	Sep/23	Oct/09	Oct/24	191	171	152	37
SPENCER 1 N	36	Apr/27	May/11	May/24	Sep/10	Sep/20	Sep/30	148	131	115	51
	32	Apr/20	May/02	May/14	Sep/17	Sep/29	Oct/10	165	149	132	45
	28	Apr/08	Apr/22	May/07	Sep/22	Oct/08	Oct/24	185	168	151	37
STORM LAKE 2 E	36	Apr/21	May/05	May/19	Sep/14	Sep/27	Oct/09	163	144	126	50
	32	Apr/14	Apr/29	May/14	Sep/22	Oct/07	Oct/21	180	160	139	45
	28	Apr/05	Apr/17	Apr/30	Sep/29	Oct/14	Oct/30	201	179	157	37

SWEA CITY 1 NE	36 32 28	Apr 25 Apr 15 Apr 02	May 06 Apr 29 Apr 16	May 18 May 14 Apr 30	Sep 12 Sep 17 Sep 29	Sep 23 Sep 30 Oct 12	Oct 04 Oct 13 Oct 26	157 172 200	139 153 179	122 134 158	50 44 36
TIPTON 4 NE	36 32 28	Apr 26 Apr 12 Apr 01	May 09 Apr 29 Apr 12	May 22 May 15 Apr 24	Sep 15 Sep 22 Sep 28	Sep 27 Oct 04 Oct 13	Oct 08 Oct 17 Oct 27	158 180 200	140 158 183	122 136 165	48 41 33
TOLEDO 3 N	36 32 28	Apr 27 Apr 15 Apr 01	May 12 Apr 29 Apr 17	May 26 May 13 May 03	Sep 11 Sep 20 Sep 27	Sep 24 Oct 03 Oct 15	Oct 07 Oct 16 Nov 01	153 176 203	135 156 180	116 137 157	49 42 34
TRIPOLI	36 32 28	Apr 26 Apr 14 Apr 01	May 09 Apr 28 Apr 14	May 22 May 12 Apr 28	Sep 14 Sep 22 Sep 29	Sep 25 Oct 03 Oct 14	Oct 06 Oct 15 Oct 29	154 176 204	138 158 182	122 139 160	49 43 35
VINTON	36 32 28	Apr 25 Apr 14 Apr 01	May 08 Apr 27 Apr 12	May 21 May 10 Apr 24	Sep 11 Sep 20 Sep 28	Sep 24 Oct 02 Oct 12	Oct 07 Oct 15 Oct 27	157 173 202	138 157 182	119 142 162	47 40 32
WASHINGTON	36 32 28	Apr 18 Apr 03 Mar 30	Apr 30 Apr 15 Apr 09	May 13 Apr 27 Apr 18	Sep 19 Sep 26 Oct 07	Oct 02 Oct 12 Oct 24	Oct 15 Oct 27 Nov 11	171 200 219	154 179 198	137 158 177	42 34 27
WATERLOO MUNICIPAL AP	36 32 28	Apr 25 Apr 17 Mar 31	May 09 Apr 30 Apr 15	May 23 May 14 May 01	Sep 09 Sep 18 Sep 26	Sep 20 Sep 30 Oct 10	Oct 02 Oct 12 Oct 25	154 169 201	134 152 178	114 134 154	49 42 34
WAUKON	36 32 28	Apr 27 Apr 12 Mar 31	May 08 Apr 27 Apr 16	May 20 May 12 May 02	Sep 19 Sep 25 Oct 03	Sep 29 Oct 06 Oct 18	Oct 09 Oct 18 Nov 01	158 181 204	142 161 184	127 141 164	48 43 35
WEBSTER CITY	36 32 28	Apr 27 Apr 21 Apr 08	May 13 May 03 Apr 22	May 29 May 15 May 05	Sep 08 Sep 20 Sep 25	Sep 21 Sep 30 Oct 11	Oct 03 Oct 11 Oct 26	151 164 191	130 150 171	109 135 151	49 42 35
WILLIAMSBURG	36 32 28	Apr 22 Apr 10 Mar 31	May 07 Apr 26 Apr 12	May 22 May 13 Apr 24	Sep 14 Sep 24 Oct 02	Sep 26 Oct 06 Oct 17	Oct 09 Oct 18 Nov 01	161 180 206	141 162 188	121 143 169	46 39 31
WINTERSSET 2 NNW	36 32 28	Apr 21 Apr 15 Apr 02	May 07 Apr 29 Apr 16	May 23 May 12 Apr 30	Sep 14 Sep 20 Sep 29	Sep 25 Oct 03 Oct 15	Oct 06 Oct 16 Oct 31	159 174 204	141 157 181	122 139 159	45 39 32

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 (Aug 1 - Jul 31).  
(percent of days with temperatures at or below the threshold temperature)

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		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	
Idaho	(F)	90	50	10	10	50	90	10	50	90	
ABERDEEN EXPERIMNT STN	36 32 28	Jun06 May12 Apr25	Jun23 Jun02 May09	Jul10 Jun24 May23	Aug13 Aug29 Sep10	Aug29 Sep11 Sep23	Sep14 Sep24 Oct06	90 125 157	66 100 136	42 75 116	64 54 43
AMERICAN FALLS 3 NW	36 32 28	May12 Apr19 Apr07	Jun01 May13 Apr26	Jun21 Jun06 May15	Aug29 Sep12 Sep24	Sep16 Sep29 Oct12	Oct04 Oct16 Oct30	134 175 198	106 139 168	78 103 138	52 41 31
ANDERSON DAM	36 32 28	May14 Apr23 Apr07	Jun01 May11 Apr22	Jun18 May28 May08	Sep10 Sep17 Oct02	Sep25 Oct04 Oct19	Oct09 Oct21 Nov05	138 171 205	115 145 179	92 119 153	54 44 32
ARBON 2 NW	36 32 28	Jun11 May21 Apr29	Jun28 Jun12 May20	Jul15 Jul04 Jun09	Aug12 Aug24 Sep08	Aug31 Sep11 Sep23	Sep18 Sep29 Oct08	91 120 152	63 90 126	35 59 100	62 52 40
ARCO	36 32 28	Jun09 May23 Apr30	Jun27 Jun11 May19	Jul16 Jun30 Jun07	Aug12 Aug21 Sep01	Aug30 Sep07 Sep18	Sep17 Sep23 Oct05	89 111 147	63 87 121	37 63 95	65 57 49
ARROWROCK DAM	36 32 28	May09 Apr14 Mar18	May24 May02 May02	Jun08 May20 May02	Sep14 Sep21 Oct03	Sep28 Oct06 Oct21	Oct12 Oct22 Nov09	143 182 222	126 157 194	109 131 166	50 39 26
ASHTON	36 32 28	Jun07 May20 Apr25	Jun26 Jun09 May20	Jul16 Jun29 Jun14	Aug06 Aug23 Sep03	Aug25 Sep09 Sep21	Sep14 Sep26 Oct09	85 117 153	59 91 123	34 66 94	65 55 43
AVERY RS #2	36 32 28	May08 Apr22 Mar31	Jun06 May16 Apr23	Jul04 Jun09 May16	Aug25 Sep06 Sep29	Sep13 Sep23 Oct13	Oct02 Oct10 Oct28	136 166 200	99 130 172	62 93 144	55 42 26
BAYVIEW MODEL BASIN	36 32 28	May26 May01 Apr14	Jun16 May23 May01	Jul07 Jun14 May18	Aug21 Aug28 Sep16	Sep06 Sep16 Oct03	Sep21 Oct06 Oct21	111 147 185	81 116 154	50 85 124	58 46 30
BLACKFOOT 1 SE	36 32 28	May27 May10 Apr19	Jun13 May28 May06	Jun29 Jun15 May23	Aug21 Sep02 Sep15	Sep06 Sep18 Oct01	Sep23 Oct04 Oct16	108 134 170	85 112 147	62 90 124	58 49 38
BLISS 4 NW	36 32 28	May11 Apr26 Apr10	Jun01 May14 Apr27	Jun22 Jun01 May14	Sep02 Sep16 Sep25	Sep18 Oct03 Oct12	Oct05 Oct19 Oct30	139 165 195	109 141 167	78 117 140	50 40 28
BOISE LUCKY PEAK DAM	36 32 28	May10 Apr17 Mar26	May27 May05 Apr12	Jun13 May22 Apr30	Sep10 Sep23 Oct08	Sep26 Oct08 Oct24	Oct11 Oct23 Nov10	144 179 220	121 155 194	98 132 168	45 35 25
BOISE AIR TERMINAL	36 32 28	May04 Apr21 Apr06	May26 May10 Apr24	Jun18 May30 May13	Sep07 Sep20 Oct02	Sep22 Oct06 Oct18	Oct08 Oct21 Nov04	149 175 205	118 147 176	87 120 148	43 32 22
BONNERS FERRY	36 32 28	May13 Apr25 Apr04	Jun05 May18 Apr22	Jun29 Jun10 May09	Aug23 Sep05 Sep19	Sep11 Sep21 Oct04	Sep29 Oct08 Oct18	130 155 192	97 125 164	63 96 137	54 42 28

BROWNLEE DAM	36 32 28	Apr10 Mar16 Feb20	Apr30 Apr10 Mar16	May21 May06 Apr08	Sep28 Oct16 Oct25	Oct15 Nov01 Nov13	Oct31 Nov17 Dec02	197 237 277	167 204 242	136 170 206	39 28 18
BRUNEAU	36 32 28	May02 Apr22 Apr02	May22 May05 Apr21	Jun12 May19 May10	Sep11 Sep22 Oct01	Sep22 Oct06 Oct16	Oct03 Oct20 Oct30	144 176 204	122 153 177	100 130 151	45 35 25
BURLEY MUNICIPAL AP	36 32 28	May08 Apr20 Apr08	May31 May06 Apr26	Jun24 May22 May14	Aug30 Sep13 Sep26	Sep16 Sep30 Oct12	Oct02 Oct16 Oct29	137 172 196	107 146 168	76 119 140	52 41 30
CABINET GORGE	36 32 28	May16 May01 Apr09	Jun05 May15 Apr26	Jun25 May29 May12	Aug28 Sep15 Sep28	Sep14 Oct01 Oct17	Oct02 Oct16 Nov06	127 162 202	101 138 174	74 114 146	55 42 25
CAMBRIDGE	36 32 28	May25 May03 Apr15	Jun12 May26 May02	Jun30 Jun18 May19	Aug26 Sep10 Sep15	Sep10 Sep23 Oct03	Sep25 Oct07 Oct20	115 145 175	89 119 153	64 94 131	54 45 33
CASCADE 1 NW	36 32 28	Jun24 Jun13 May17	Jul11 Jun29 Jun10	Jul28 Jul15 Jun03	Aug02 Aug12 Aug28	Aug19 Aug29 Sep12	Sep05 Sep14 Sep27	61 82 122	38 60 94	15 38 65	74 64 52
CASTLEFORD 2 N	36 32 28	May18 Apr29 Apr15	Jun06 May18 May01	Jun25 Jun07 May17	Sep03 Sep08 Sep22	Sep16 Sep23 Oct09	Sep29 Oct08 Oct27	124 150 185	101 127 161	78 104 137	52 42 30
CHILLY BARTON FLAT	36 32 28	Jun29 Jun07 May16	Jul11 Jun25 Jun05	Jul23 Jul12 Jun25	Aug06 Aug21 Aug30	Aug20 Sep03 Sep14	Sep03 Sep16 Sep28	60 94 124	40 70 100	19 46 76	72 63 54
COEUR DALENE	36 32 28	May06 Apr21 Mar29	May23 May06 Apr16	Jun09 May22 May05	Sep10 Sep23 Sep29	Sep22 Oct05 Oct21	Oct04 Oct18 Nov11	144 173 215	121 151 187	99 129 159	50 37 22
COUNCIL	36 32 28	May23 Apr28 Apr08	Jun13 May21 Apr27	Jul05 Jun12 May16	Sep01 Sep12 Sep19	Sep15 Sep27 Oct05	Sep28 Oct12 Oct22	118 151 182	92 129 160	67 107 138	53 43 31
CRATERS OF THE MOON	36 32 28	Jun10 May22 May02	Jun25 Jun11 May23	Jul10 Jun30 Jun13	Aug18 Aug29 Sep17	Sep06 Sep15 Sep28	Sep24 Oct01 Oct09	96 119 151	72 95 127	48 71 104	63 55 45
DEER FLAT DAM	36 32 28	Apr21 Mar31 Mar20	May15 Apr28 Apr11	Jun09 May25 May03	Sep14 Sep24 Oct06	Sep29 Oct10 Oct22	Oct14 Oct27 Nov07	168 201 225	136 165 193	104 129 162	43 32 21
DIXIE	36 32 28	Jul20 Jun27 Jun07	Jul27 Jul16 Jun30	Aug04 Aug03 Jul23	Jul31 Jul31 Aug05	Aug03 Aug11 Aug23	Aug07 Aug23 Sep10	14 51 85	6 26 53	0 0 22	87 77 64
DRIGGS	36 32 28	Jun20 Jun06 May12	Jul06 Jun24 May30	Jul22 Jul12 Jun16	Aug05 Aug19 Sep03	Aug23 Sep03 Sep15	Sep09 Sep19 Sep27	74 95 132	47 70 108	20 45 83	69 60 50
DUBOIS EXPERIMENT STN	36 32 28	May30 May15 Apr25	Jun18 Jun03 May17	Jul07 Jun22 Jun08	Aug24 Sep09 Sep16	Sep08 Sep20 Oct02	Sep23 Oct01 Oct18	104 130 164	81 109 138	59 87 112	60 52 42
DWORSHAK FISH HATCHERY	36 32 28	Apr22 Apr03 Feb27	May11 Apr19 Mar21	May30 May05 Apr12	Sep16 Sep28 Oct15	Oct03 Oct15 Nov06	Oct20 Nov02 Nov29	172 203 263	144 179 230	116 154 196	42 27 14
ELK CITY 1 NE	36 32 28	Jul06 Jun13 May07	Jul20 Jul07 Jun07	Aug04 Jul31 Jul07	Jul28 Aug01 Aug17	Aug09 Aug19 Sep05	Aug21 Sep05 Sep24	40 75 128	19 42 90	0 9 51	77 67 51
ELK RIVER 1 S	36 32 28	Jun11 May13 Apr20	Jun29 Jun06 May13	Jul17 Jun30 Jun05	Aug12 Aug21 Sep09	Aug27 Sep08 Sep26	Sep12 Sep25 Oct14	82 126 170	59 93 136	35 61 102	65 54 37
EMMETT 2 E	36 32 28	May07 Apr17 Mar23	May27 May06 Apr14	Jun17 May25 May07	Sep09 Sep22 Oct04	Sep23 Oct08 Oct23	Oct07 Oct24 Nov11	144 184 222	118 154 191	92 125 160	47 36 24

FAIRFIELD RANGER STN	36 32 28	Jun21 Jun03 May15	Jul08 Jun21 Jun05	Jul25 Jul09 Jun26		Aug03 Aug15 Aug26	Aug21 Sep01 Sep13	Sep09 Sep18 Oct01	70 99 129	44 71 100	17 43 70	70 60 50
FENN RANGER STN (LOWELL)	36 32 28	Apr27 Apr06 Mar13	May23 May01 Apr05	Jun18 May27 Apr29		Sep03 Sep23 Oct06	Sep20 Oct12 Oct29	Oct08 Oct30 Nov22	151 200 241	120 163 206	88 125 172	50 36 19
FORT HALL 1 NNE	36 32 28	May26 May10 Apr20	Jun12 May30 May08	Jun29 Jun18 May26		Aug22 Sep03 Sep14	Sep07 Sep19 Sep29	Sep22 Oct05 Oct14	106 135 164	86 111 143	66 88 122	58 49 38
GARDEN VALLEY	36 32 28	Jun09 May14 Apr20	Jun29 Jun07 May15	Jul20 Jul01 Jun10		Aug04 Aug20 Sep07	Aug23 Sep07 Sep21	Sep10 Sep25 Oct04	85 121 160	54 91 128	23 60 95	64 52 38
GIBBONSVILLE	36 32 28	Jun16 May27 May04	Jul05 Jun17 May27	Jul23 Jul07 Jun19		Aug09 Aug22 Sep06	Aug27 Sep06 Sep19	Sep13 Sep21 Oct02	80 108 145	52 81 115	25 54 84	69 59 48
GLENN'S FERRY	36 32 28	May17 Apr29 Apr14	Jun05 May19 May03	Jun25 Jun07 May22		Aug25 Sep05 Sep22	Sep11 Sep22 Oct07	Sep27 Oct08 Oct21	123 153 183	97 125 156	71 97 129	54 42 30
GRACE	36 32 28	Jun12 May23 Apr26	Jun28 Jun11 May19	Jul14 Jun30 Jun11		Aug11 Aug24 Sep06	Aug28 Sep09 Sep20	Sep14 Sep26 Oct04	84 113 153	61 90 123	37 66 94	66 55 44
GRAND VIEW 4 NW	36 32 28	May01 Apr17 Apr03	May23 May07 Apr19	Jun14 May27 May06		Sep06 Sep15 Sep22	Sep18 Sep30 Oct09	Sep30 Oct14 Oct25	146 172 197	117 145 172	89 118 146	47 38 27
GRANGEVILLE	36 32 28	May29 May06 Apr18	Jun16 May24 May06	Jul05 Jun11 May23		Aug24 Sep06 Sep15	Sep09 Sep19 Oct03	Sep25 Oct02 Oct22	108 141 176	84 117 150	60 92 123	54 42 28
GROUSE	36 32 28	Jul07 Jun22 May26	Jul18 Jul06 Jun19	Jul29 Jul20 Jul13		Jul31 Aug07 Aug18	Aug11 Aug24 Sep04	Aug22 Sep10 Sep21	41 72 108	23 49 76	4 25 45	78 68 58
HAMER 4 NW	36 32 28	Jun18 May29 Apr30	Jul05 Jun17 May24	Jul22 Jul07 Jun17		Aug07 Aug21 Sep03	Aug23 Sep03 Sep16	Sep09 Sep17 Sep29	75 103 144	49 77 114	23 52 84	68 60 51
HAZELTON	36 32 28	May16 Apr25 Apr15	Jun05 May13 Apr29	Jun25 May30 May13		Sep01 Sep11 Sep18	Sep15 Sep25 Oct08	Sep28 Oct09 Oct28	128 159 188	101 135 161	75 111 134	56 45 33
HEADQUARTERS	36 32 28	Jun18 May21 Apr27	Jul07 Jun13 May16	Jul25 Jul07 Jun04		Aug06 Aug20 Sep07	Aug23 Sep08 Sep23	Sep10 Sep27 Oct09	70 119 155	47 86 129	24 53 104	69 58 42
HILL CITY 1 W	36 32 28	Jun26 Jun17 May24	Jul12 Jul04 Jun14	Jul27 Jul20 Jul06		Aug03 Aug09 Aug21	Aug19 Aug29 Sep08	Sep05 Sep17 Sep26	64 82 115	38 55 85	12 29 54	70 60 49
HOLLISTER	36 32 28	Jun01 May09 Apr16	Jun20 Jun02 May11	Jul09 Jun27 Jun04		Aug30 Sep09 Sep19	Sep12 Sep21 Oct05	Sep25 Oct04 Oct21	106 140 178	84 111 147	61 82 115	54 44 32
HOWE	36 32 28	May30 May12 Apr26	Jun19 May28 May12	Jul10 Jun12 May28		Aug13 Aug26 Sep10	Aug29 Sep11 Sep24	Sep14 Sep28 Oct08	96 127 158	70 106 135	44 85 112	63 55 46
IDAHO CITY	36 32 28	Jun25 Jun09 May05	Jul09 Jun25 May29	Jul23 Jul10 Jun21		Aug03 Aug16 Sep02	Aug20 Sep02 Sep16	Sep06 Sep19 Sep30	65 92 138	41 69 110	17 46 82	69 59 46
IDAHO FALLS 2 ESE	36 32 28	May25 May07 Apr21	Jun11 May27 May07	Jun28 Jun16 May24		Aug26 Sep07 Sep19	Sep09 Sep20 Oct02	Sep23 Oct02 Oct14	112 138 169	90 115 147	67 92 124	58 49 38
IDAHO FALLS 16 SE	36 32 28	Jun26 Jun06 May15	Jul10 Jun25 Jun06	Jul24 Jul13 Jun27		Aug03 Aug11 Aug26	Aug19 Aug30 Sep13	Sep03 Sep17 Sep30	58 90 124	39 65 99	20 40 73	68 58 46



IDAHO FALLS 46 W	36 32 28	Jun13 May25 May04	Jun30 Jun15 May28	Jul17 Jul06 Jun21	Aug11 Aug23 Aug31	Aug27 Sep07 Sep15	Sep12 Sep23 Oct01	81 108 138	57 84 110	33 60 82	66 58 49
ISLAND PARK	36 32 28	Jul02 Jun12 May21	Jul15 Jul02 Jun10	Jul28 Jul22 Jun30	Jul31 Aug06 Aug18	Aug14 Aug23 Sep05	Aug28 Sep09 Sep23	47 75 113	29 51 86	12 27 60	76 68 57
JEROME	36 32 28	May10 Apr23 Apr09	May28 May13 Apr22	Jun16 Jun01 May06	Sep10 Sep19 Oct03	Sep23 Oct04 Oct18	Oct06 Oct19 Nov03	136 172 202	117 144 178	97 116 155	53 44 32
KELLOGG	36 32 28	May15 Apr26 Apr03	Jun04 May12 Apr19	Jun24 May27 May05	Aug27 Sep09 Sep22	Sep14 Sep26 Oct09	Oct03 Oct12 Oct27	128 158 198	101 136 173	74 114 148	55 42 26
LEADORE NO 2	36 32 28	Jun20 Jun02 May15	Jul11 Jun27 Jun09	Aug01 Jul22 Jul05	Jul31 Aug10 Aug23	Aug14 Aug30 Sep09	Aug28 Sep19 Sep25	64 103 126	34 63 91	4 23 55	74 64 54
LEWISTON AP	36 32 28	Apr11 Mar25 Feb18	Apr30 Apr12 Mar18	May18 May01 Apr15	Sep26 Oct05 Oct20	Oct09 Oct22 Nov11	Oct22 Nov09 Dec02	189 222 274	162 192 237	134 163 200	34 22 12
LIFTON PUMPING STN	36 32 28	May17 Apr28 Apr20	Jun08 May18 May03	Jun29 May16 May16	Aug20 Sep04 Sep13	Sep03 Sep16 Sep26	Sep18 Sep29 Oct08	113 144 161	87 120 145	61 96 129	62 55 46
LOWMAN	36 32 28	Jun15 May30 May06	Jul10 Jun23 May29	Aug04 Jul17 Jun21	Jul29 Aug10 Aug22	Aug14 Aug31 Sep13	Aug31 Sep21 Oct06	71 107 143	35 69 107	0 30 70	72 60 44
MACKAY LOST RIVER RS	36 32 28	Jun12 May26 Apr30	Jul02 Jun15 May20	Jul21 Jul05 Jun10	Aug13 Aug24 Sep05	Aug29 Sep09 Sep21	Sep14 Sep25 Oct07	85 110 143	58 85 123	31 60 103	67 58 49
MALAD CITY AP	36 32 28	Jun04 May16 Apr24	Jun23 Jun05 May13	Jul13 Jun25 Jun01	Aug13 Sep01 Sep11	Aug30 Sep16 Sep22	Sep15 Sep30 Oct04	97 128 154	67 102 132	37 75 109	63 54 42
MALTA 4 ESE	36 32 28	Jun09 May23 Apr26	Jun24 Jun12 May16	Jul10 Jul01 Jun05	Aug15 Aug29 Sep08	Aug30 Sep13 Sep24	Sep15 Sep29 Oct09	92 117 156	66 93 130	41 69 104	59 48 35
MAY 2 SSE	36 32 28	Jun12 May20 Apr27	Jun27 Jun10 May22	Jul12 Jul01 Jun17	Aug09 Aug27 Sep02	Aug26 Sep09 Sep18	Sep13 Sep22 Oct04	84 118 152	60 90 118	35 62 84	67 57 47
MCCALL	36 32 28	Jul05 Jun16 May21	Jul17 Jul01 Jun10	Jul29 Jul17 Jun30	Jul31 Aug05 Aug22	Aug14 Aug24 Sep06	Aug29 Sep11 Sep22	46 78 112	27 52 87	9 27 63	74 63 49
MCCAMMON	36 32 28	May11 Apr26 Apr19	Jun06 May18 May03	Jul02 Jun10 May17	Aug25 Sep05 Sep12	Sep09 Sep18 Sep27	Sep24 Oct01 Oct13	126 148 165	95 122 147	64 95 128	58 48 38
MIDDLE FORK LODGE	36 32 28	Jun14 May23 Apr23	Jul01 Jun16 May22	Jul19 Jul10 Jun20	Aug11 Aug27 Sep04	Aug26 Sep10 Sep20	Sep09 Sep25 Oct07	79 114 153	55 86 120	31 58 88	69 59 46
MINIDOKA DAM	36 32 28	May13 Apr26 Apr12	Jun03 May14 Apr27	Jun24 Jun11 May13	Aug30 Sep12 Sep25	Sep15 Sep27 Oct13	Sep30 Oct12 Oct31	130 159 192	103 135 168	75 111 144	54 44 33
MOSCOW U OF I	36 32 28	Jun07 Apr27 Mar31	Jun28 May25 Apr27	Jul18 Jun21 May25	Aug13 Sep05 Sep19	Sep02 Sep20 Oct07	Sep21 Oct05 Oct24	93 149 198	65 118 162	37 87 125	51 38 22
MOUNTAIN HOME	36 32 28	May14 Apr24 Apr05	Jun05 May14 Apr25	Jun26 Jun03 May15	Sep07 Sep15 Sep29	Sep19 Oct01 Oct13	Oct01 Oct16 Oct28	128 165 196	105 139 170	83 113 144	51 40 29
NEW MEADOWS RANGER STN	36 32 28	Jul04 Jun14 May18	Jul18 Jul02 Jun06	Jul31 Jul21 Jun25	Jul31 Aug08 Aug21	Aug13 Aug24 Sep06	Aug26 Sep10 Sep22	47 75 117	26 52 91	5 30 65	76 66 53

NEZPERCE	36 32 28	Jun01 May05 Apr11	Jun20 May26 May01	Jul09 Jun16 May21	Aug25 Sep02 Sep09	Sep07 Sep17 Sep30	Sep20 Oct02 Oct21	104 137 184	79 113 151	53 89 119	55 42 27
OAKLEY	36 32 28	May27 May05 Apr12	Jun13 May25 May01	Jun29 Jun13 May19	Sep01 Sep11 Sep23	Sep15 Sep27 Oct10	Sep29 Oct13 Oct26	115 150 187	93 125 161	72 100 135	52 41 29
PARMA EXPERIMENT STN	36 32 28	May04 Apr18 Mar26	May26 May09 Apr16	Jun16 May29 May08	Sep01 Sep16 Sep24	Sep16 Sep27 Oct10	Oct01 Oct08 Oct26	143 161 202	113 140 176	83 120 150	52 42 29
PAUL 1 ENE	36 32 28	May19 Apr27 Apr14	Jun07 May14 Apr29	Jun25 Jun01 May13	Aug29 Sep10 Sep19	Sep14 Sep24 Oct07	Sep30 Oct07 Oct26	125 159 190	99 132 161	72 104 133	57 47 34
PAYETTE	36 32 28	May02 Apr12 Mar26	May23 May06 Apr15	Jun14 May31 May05	Sep07 Sep15 Sep30	Sep22 Oct02 Oct16	Oct08 Oct18 Oct31	152 182 210	121 148 182	90 113 154	48 38 27
PICABO	36 32 28	Jun18 May30 May03	Jul03 Jun17 May25	Jul18 Jul05 Jun15	Aug10 Aug26 Sep06	Aug26 Sep12 Sep21	Sep12 Sep28 Oct06	75 108 145	54 86 119	32 63 93	69 60 50
PIERCE	36 32 28	Jun23 Jun28 Apr21	Jul12 May16 May16	Jul31 Jul17 Jun11	Aug02 Aug15 Aug30	Aug17 Aug30 Sep15	Sep02 Sep14 Oct01	57 96 153	35 68 121	14 40 89	73 62 43
POCATELLO RGNL AP	36 32 28	May26 May03 Apr16	Jun13 May23 May05	Jul02 Jun11 May24	Aug21 Sep04 Sep15	Sep08 Sep17 Oct01	Sep25 Oct01 Oct17	109 140 173	86 117 148	63 94 124	56 45 34
PORTHILL	36 32 28	May10 Apr25 Apr05	May27 May11 Apr23	Jun13 May27 May11	Aug30 Sep11 Sep22	Sep12 Sep24 Oct06	Sep25 Oct06 Oct19	128 154 188	107 135 165	87 116 141	57 46 32
POTLATCH 3 NNE	36 32 28	Jun22 May15 Apr18	Jul13 Jun13 May15	Aug03 Jul12 Jun11	Aug03 Aug16 Aug30	Aug18 Aug31 Sep14	Sep01 Sep16 Sep29	63 113 154	35 79 121	7 45 87	61 46 29
POWELL	36 32 28	Jun17 May26 May01	Jul05 Jun13 May21	Jul23 Jul01 Jun11	Aug03 Aug25 Sep01	Aug20 Sep07 Sep19	Sep06 Sep20 Oct07	74 108 149	45 85 120	17 61 91	71 61 43
PRESTON	36 32 28	May24 May02 Apr21	Jun12 May21 May03	Jun30 Jun08 May16	Aug08 Aug11 Aug14	Sep04 Sep09 Sep19	Sep30 Oct09 Oct26	116 151 180	83 111 138	50 71 97	61 52 41
PRIEST RIVER EXP STN	36 32 28	Jun02 May04 Apr24	Jun23 May26 May06	Jul13 Jun18 May18	Aug14 Aug31 Sep10	Aug29 Sep14 Sep27	Sep13 Sep28 Oct14	92 139 169	66 110 144	41 81 119	61 49 32
REYNOLDS	36 32 28	May29 May04 Apr18	Jun19 May29 May11	Jul09 Jun24 Jun04	Aug22 Sep09 Sep21	Sep10 Sep22 Oct06	Sep28 Oct04 Oct21	111 146 180	82 114 147	54 83 114	56 45 33
RICHFIELD	36 32 28	Jun01 May16 Apr25	Jun19 Jun03 May14	Jul06 Jun21 Jun02	Aug23 Sep06 Sep18	Sep06 Sep20 Oct01	Sep20 Oct04 Oct14	98 129 164	78 108 139	58 87 114	59 50 40
RIGGINS	36 32 28	Apr18 Mar26 Feb18	May11 Apr20 Mar25	Jun02 May15 Apr29	Sep01 Sep09 Sep19	Sep25 Oct07 Oct23	Oct19 Nov05 Nov25	176 213 265	137 170 211	98 126 157	38 26 15
RUPERT 3 WSW	36 32 28	May28 May02 Apr18	Jun14 May21 May02	Jul01 Jun08 May16	Aug25 Sep04 Sep17	Sep08 Sep19 Oct03	Sep23 Oct03 Oct18	107 145 174	86 120 153	64 95 131	59 49 37
SAINT ANTHONY 1 WNW	36 32 28	Jun10 May19 May05	Jun30 Jun12 May25	Jul19 Jul06 Jun14	Aug07 Aug16 Sep04	Aug25 Sep05 Sep18	Sep13 Sep25 Oct02	86 115 138	56 84 115	26 53 92	68 59 49
SAINT MARIES 1 W	36 32 28	May20 Apr28 Apr01	Jun10 May15 Apr23	Jul01 May31 May14	Aug28 Sep07 Sep20	Sep13 Sep22 Oct10	Sep30 Oct08 Oct30	123 155 200	95 130 170	67 105 140	52 39 23

SALMON KSKRA	36 32 28	May27 May05 Apr18	Jun12 May25 May04	Jun29 Jun13 May21	Aug29 Sep07 Sep18	Sep10 Sep20 Oct01	Sep21 Oct02 Oct15	109 140 169	89 117 149	68 95 129	58 49 38
SANDPOINT EXP STATION	36 32 28	May18 May03 Apr12	Jun09 May19 Apr28	Jul01 Jun04 May14	Aug19 Sep03 Sep20	Sep06 Sep18 Oct05	Sep24 Oct03 Oct20	119 144 185	88 121 159	58 99 132	55 43 28
SHOSHONE 1 WNW	36 32 28	May19 Apr29 Apr18	Jun08 May17 May05	Jun27 Jun04 May22	Sep03 Sep12 Sep22	Sep17 Sep26 Oct07	Oct01 Oct10 Oct21	128 156 176	101 132 154	74 108 132	54 44 34
SHOUP	36 32 28	May16 Apr27 Apr08	Jun06 May17 Apr28	Jun27 Jun05 May17	Aug27 Sep09 Sep16	Sep14 Sep25 Oct06	Oct01 Oct11 Oct25	132 157 193	99 131 161	66 104 129	58 48 35
STANLEY	36 32 28	Jul26 Jul07 Jun14	Jul30 Jul20 Jul05	Aug03 Aug02 Jul25	Jul31 Jul29 Jul31	Aug03 Aug08 Aug17	Aug06 Aug19 Sep04	9 38 74	3 18 43	0 0 12	89 78 65
SWAN FALLS P H	36 32 28	Apr17 Mar23 Mar03	May06 Apr21 Mar29	May26 May20 Apr23	Sep21 Oct03 Oct11	Oct08 Oct20 Nov01	Oct24 Nov05 Nov22	181 216 249	154 181 217	127 146 184	37 27 18
SWAN VALLEY 2 E	36 32 28	Jun22 Jun09 May05	Jul09 Jun25 Jun01	Jul27 Jul12 Jun28	Jul31 Aug13 Aug25	Aug17 Aug31 Sep11	Sep02 Sep17 Sep28	67 91 137	38 66 101	9 41 65	69 58 47
TETONIA EXPERIMENT STN	36 32 28	Jun27 Jun09 May17	Jul12 Jun27 Jun04	Jul26 Jul15 Jun22	Aug06 Aug11 Aug29	Aug22 Aug29 Sep11	Sep07 Sep17 Sep25	65 89 124	41 62 99	16 36 73	72 63 53
TWIN FALLS 6 E	36 32 28	May19 Apr23 Apr13	Jun05 May11 Apr29	Jun23 May29 May16	Aug31 Sep09 Sep24	Sep14 Sep25 Oct11	Sep28 Oct10 Oct28	124 158 190	100 136 164	77 114 137	54 43 31
WALLACE WOODLAND PARK	36 32 28	May21 May04 Apr16	Jun12 May20 Apr30	Jul03 Jun06 May15	Aug26 Sep10 Sep21	Sep11 Sep22 Oct09	Sep26 Oct04 Oct26	119 147 188	91 124 160	63 101 133	58 45 30
WARREN	36 32 28	Jul25 Jul11 Jun19	Jul29 Jul22 Jul08	Aug02 Aug01 Jul27	Jul31 Jul29 Aug02	Aug03 Aug07 Aug19	Aug07 Aug18 Sep04	11 33 68	4 16 41	0 0 14	89 79 65
WEISER	36 32 28	May09 Apr21 Apr01	Jun02 May13 Apr23	Jun25 Jun05 May16	Sep02 Sep14 Sep23	Sep17 Sep28 Oct10	Oct02 Oct11 Oct27	137 164 197	106 136 169	75 109 141	52 41 29
WINCHESTER	36 32 28	Jun19 May21 Apr23	Jul07 Jun17 May17	Jul24 Jul15 Jun10	Aug06 Aug18 Sep04	Aug26 Sep09 Sep19	Sep14 Sep30 Oct04	80 122 154	49 83 124	19 43 95	63 50 35
YELLOW PINE 7 S	36 32 28	Jul10 Jun21 Jun02	Jul22 Jul08 Jun21	Aug03 Jul26 Jun09	Jul29 Aug02 Aug17	Aug06 Aug17 Sep02	Aug14 Sep02 Sep19	30 63 99	14 39 73	0 16 47	84 73 58

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 (Aug 1 - Jul 31).  
(percent of days with temperatures at or below the threshold temperature)

Freeze / Frost Occurrence Data

All probabilities in whole percent. See notes for probability level description.  
- Indicates the probability of occurrence of threshold temperatureis less than indicated probability.

State And Station Name	Thresh hold (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			Prob o b a b i l i t y  (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
Illinois											
ALBION	36 32 28	Apr07 Mar27 Mar16	Apr20 Apr09 Mar31	May02 Apr22 Apr14	Oct04 Oct10 Oct20	Oct17 Oct27 Nov06	Oct31 Nov12 Nov23	201 222 242	180 199 220	160 177 197	32 25 18
ALEDO	36 32 28	Apr16 Apr06 Mar31	May03 Apr20 Apr11	May20 May05 Apr21	Sep21 Sep24 Oct07	Oct03 Oct11 Oct22	Oct15 Oct27 Nov07	173 194 211	152 172 194	131 151 176	43 36 29
ALTON MELVIN PRICE L&D	36 32 28	Mar30 Mar27 Mar08	Apr12 Apr06 Mar26	Apr25 Apr17 Apr13	Oct05 Oct15 Oct25	Oct20 Nov01 Nov14	Nov04 Nov18 Dec03	212 229 262	190 208 232	168 187 202	35 28 21
ANNA 2 NNE	36 32 28	Apr03 Mar27 Mar14	Apr18 Apr10 Mar30	May03 Apr24 Apr14	Sep28 Oct07 Oct21	Oct13 Oct22 Nov07	Oct29 Nov07 Nov23	198 212 247	178 195 221	157 177 196	32 25 17
ANTIOCH	36 32 28	Apr28 Apr20 Apr05	May17 May03 Apr20	Jun05 May16 May04	Sep19 Sep26 Oct05	Oct01 Oct08 Oct23	Oct13 Oct19 Nov11	158 175 213	136 157 186	113 140 158	48 40 32
AURORA	36 32 28	Apr22 Apr13 Apr03	May11 Apr29 Apr14	May30 May16 Apr24	Sep20 Sep28 Oct03	Oct01 Oct09 Oct21	Oct12 Oct20 Nov08	162 180 210	142 162 189	122 144 169	46 39 31
BARRINGTON 3 SW	36 32 28	Apr26 Apr12 Apr04	May16 May01 May06	Jun04 May21 May06	Sep17 Sep25 Oct02	Oct01 Oct09 Oct21	Oct15 Oct22 Nov10	161 185 212	138 159 183	114 134 154	46 39 31
BELLEVILLE SIU RESEARCH	36 32 28	Apr16 Mar31 Mar21	Apr29 Apr14 Apr05	May12 Apr28 Apr20	Sep19 Sep24 Oct02	Oct02 Oct12 Oct21	Oct15 Oct30 Nov08	176 201 225	156 180 198	136 159 172	35 27 19
BENTON 2 N	36 32 28	Apr08 Mar31 Mar16	Apr23 Apr12 Mar31	May09 Apr24 Apr15	Sep27 Oct04 Oct16	Oct09 Oct19 Nov03	Oct20 Nov02 Nov20	185 206 239	168 188 216	150 170 194	35 28 20
BROOKPORT DAM 52	36 32 28	Apr02 Mar29 Mar15	Apr18 Apr11 Mar30	May04 Apr23 Apr15	Sep28 Oct03 Oct20	Oct10 Oct20 Nov05	Oct22 Nov06 Nov22	193 213 239	174 192 219	156 171 199	30 23 16
CAHOKIA	36 32 28	Apr05 Mar30 Mar17	Apr23 Apr13 Apr01	May11 Apr26 Apr16	Sep22 Sep29 Oct14	Oct07 Oct16 Nov01	Oct22 Nov02 Nov20	191 207 241	166 186 213	142 165 186	36 29 21
CAIRO 3 N	36 32 28	Mar19 Mar10 Feb19	Apr05 Mar26 Mar13	Apr21 Apr11 Apr05	Oct09 Oct16 Oct30	Oct25 Nov04 Nov17	Nov10 Nov23 Dec05	227 251 276	202 222 248	177 193 221	27 20 13
CARBONDALE SEWAGE PLANT	36 32 28	Apr10 Apr01 Mar19	Apr25 Apr15 Apr02	May10 Apr29 Apr16	Sep24 Sep25 Oct09	Oct05 Oct12 Oct26	Oct16 Oct29 Nov11	183 201 223	163 180 206	142 158 189	37 30 22
CARLINVILLE	36 32 28	Apr14 Mar31 Mar24	Apr30 Apr15 Apr05	May16 May01 Apr17	Sep23 Sep26 Oct09	Oct05 Oct11 Oct26	Oct16 Oct26 Nov12	177 199 224	157 178 203	137 157 183	37 30 22

CARLYLE RESERVOIR	36 32 28	Apr05 Mar31 Mar16	Apr19 Apr12 Mar31	May03 Apr24 Apr16	Sep26 Oct07 Oct18	Oct11 Oct22 Nov03	Oct25 Nov05 Nov19	192 210 239	174 192 216	156 173 193	37 29 21
CHARLESTON	36 32 28	Apr14 Apr04 Mar25	May01 Apr18 Apr05	May18 May03 Apr15	Sep22 Oct01 Oct13	Oct05 Oct16 Oct29	Oct18 Nov01 Nov15	178 201 228	157 181 207	136 160 186	37 30 21
CHENOA	36 32 28	Apr21 Apr07 Mar29	May07 Apr23 Apr11	May23 May09 Apr24	Sep21 Sep25 Sep30	Oct02 Oct09 Oct20	Oct12 Oct23 Nov09	166 190 214	147 168 192	128 147 169	42 35 26
CHICAGO OHARE INTL AP	36 32 28	Apr23 Apr10 Mar31	May10 Apr25 Apr12	May26 May10 Apr24	Sep21 Sep28 Oct08	Oct04 Oct13 Oct26	Oct17 Oct28 Nov14	169 194 219	147 170 197	125 147 175	43 35 27
CHICAGO MIDWAY AP 3 SW	36 32 28	Apr12 Apr03 Mar24	Apr29 Apr20 Apr07	May15 May06 Apr21	Sep29 Oct06 Oct20	Oct12 Oct24 Nov04	Oct26 Nov10 Nov20	188 214 235	166 187 211	144 159 187	40 32 24
DANVILLE	36 32 28	Apr19 Apr10 Mar30	May06 Apr25 Apr12	May23 May11 Apr25	Sep24 Sep29 Oct10	Oct04 Oct10 Oct25	Oct15 Oct21 Nov10	169 188 215	150 167 196	132 146 176	40 32 24
DECATUR	36 32 28	Apr17 Apr04 Mar27	May04 Apr23 Apr09	May20 May11 Apr23	Sep19 Sep26 Oct08	Oct02 Oct11 Oct24	Oct16 Oct26 Nov10	172 196 219	151 171 197	130 146 176	39 32 24
DE KALB	36 32 28	Apr25 Apr11 Apr02	May11 Apr28 Apr16	May27 May15 May01	Sep18 Sep25 Oct02	Sep30 Oct08 Oct21	Oct13 Oct22 Nov10	165 187 214	142 162 187	118 138 161	46 39 30
DIXON 1 NW	36 32 28	Apr21 Apr14 Apr01	May09 Apr28 Apr16	May27 May13 May01	Sep18 Sep25 Oct03	Sep29 Oct08 Oct20	Oct10 Oct21 Nov06	163 182 207	142 162 186	121 142 166	46 40 31
DIXON SPRINGS AGR CENTER	36 32 28	Apr06 Mar28 Mar21	Apr25 Apr12 Apr04	May14 Apr27 Apr18	Sep22 Oct02 Oct11	Oct06 Oct16 Oct29	Oct20 Oct30 Nov15	185 205 225	163 186 207	141 168 189	30 23 16
DU QUOIN 4 SE	36 32 28	Apr09 Mar29 Mar16	Apr24 Apr12 Mar31	May10 Apr25 Apr15	Sep23 Sep30 Oct12	Oct05 Oct16 Oct27	Oct17 Nov02 Nov12	180 208 227	163 187 209	146 166 192	34 27 19
EFFINGHAM	36 32 28	Apr14 Mar30 Mar23	Apr29 Apr16 Apr04	May14 May03 Apr16	Sep24 Oct03 Oct12	Oct06 Oct17 Oct29	Oct18 Oct31 Nov14	180 206 227	159 183 207	138 161 187	39 31 23
FAIRFIELD RADIO WFIW	36 32 28	Apr12 Apr02 Mar21	Apr29 Apr16 Apr03	May16 Apr30 Apr16	Sep22 Sep28 Oct12	Oct04 Oct12 Oct28	Oct16 Oct27 Nov12	178 198 224	157 179 207	137 159 190	35 29 20
FLORA 5 NW	36 32 28	Apr19 Apr03 Mar26	May03 Apr21 Apr07	May17 May08 Apr19	Sep23 Sep25 Oct08	Oct04 Oct10 Oct23	Oct16 Oct25 Nov07	170 192 215	153 171 198	137 151 181	36 29 21
FULTON L&D #13	36 32 28	Apr13 Apr02 Mar27	Apr26 Apr14 Apr07	May08 Apr26 Apr17	Sep23 Oct02 Oct13	Oct08 Oct19 Oct29	Oct23 Nov04 Nov14	183 208 226	165 186 205	146 165 184	44 37 29
GALESBURG	36 32 28	Apr16 Apr02 Mar29	May02 Apr16 Apr09	May18 Apr30 Apr19	Sep22 Sep29 Oct10	Oct03 Oct13 Oct26	Oct13 Oct27 Nov12	173 200 219	153 179 200	134 158 182	42 35 27
GALVA	36 32 28	Apr19 Apr09 Mar29	May03 Apr22 Apr10	May16 May05 Apr21	Sep19 Sep27 Oct13	Oct04 Oct13 Oct29	Oct19 Oct29 Nov14	171 194 220	153 174 201	136 153 182	44 37 29
GENESECO	36 32 28	Apr18 Apr03 Mar28	May04 Apr18 Apr09	May20 May04 Apr22	Sep22 Sep28 Oct12	Oct04 Oct13 Oct28	Oct15 Oct29 Nov13	171 201 222	152 177 201	133 154 180	43 36 28
GLADSTONE DAM 18	36 32 28	Apr07 Mar30 Mar25	Apr26 Apr14 Apr05	May15 Apr28 Apr15	Sep24 Oct03 Oct20	Oct08 Oct21 Nov02	Oct23 Nov08 Nov15	189 213 227	165 189 211	141 166 194	41 34 26

HARRISBURG	36 32 28	Apr/05 Mar/29 Mar/17	Apr/22 Apr/11 Mar/31	May/09 Apr/24 Apr/14	Sep/27 Oct/02 Oct/14	Oct/08 Oct/17 Oct/30	Oct/19 Nov/02 Nov/14	187 210 234	168 189 212	150 167 189	33 26 18
HAVANA 4 NNE	36 32 28	Apr/17 Apr/06 Mar/28	May/02 Apr/19 Apr/07	May/16 May/03 Apr/16	Sep/17 Sep/26 Oct/06	Oct/01 Oct/10 Oct/24	Oct/15 Oct/24 Nov/10	170 192 217	151 173 199	133 154 182	42 35 27
HENNEPIN POWER PLANT	36 32 28	Apr/28 Apr/17 Apr/02	May/14 May/01 Apr/17	May/29 May/16 May/01	Sep/14 Sep/20 Oct/03	Sep/28 Oct/05 Oct/17	Oct/12 Oct/19 Oct/31	158 179 204	137 155 183	116 132 162	46 40 31
HILLSBORO	36 32 28	Apr/12 Mar/30 Mar/22	Apr/25 Apr/12 Apr/04	May/09 Apr/25 Apr/17	Sep/22 Sep/28 Oct/10	Oct/07 Oct/14 Oct/31	Oct/21 Oct/30 Nov/20	182 202 235	164 184 209	145 166 183	37 30 22
HOOPESTON 1 NE	36 32 28	Apr/19 Apr/07 Mar/28	May/05 Apr/23 Apr/12	May/22 May/08 Apr/26	Sep/23 Sep/27 Oct/11	Oct/03 Oct/14 Oct/27	Oct/14 Oct/31 Nov/13	171 196 219	150 174 198	130 152 177	40 33 24
JACKSONVILLE 2 E	36 32 28	Apr/19 Apr/06 Mar/29	May/05 Apr/21 Apr/07	May/21 May/07 Apr/17	Sep/17 Sep/25 Oct/07	Oct/02 Oct/09 Oct/24	Oct/16 Oct/23 Nov/09	169 188 215	149 170 198	129 152 182	43 36 27
JERSEYVILLE 2 SW	36 32 28	Apr/16 Apr/02 Mar/23	May/01 Apr/18 Apr/05	May/15 May/03 Apr/19	Sep/18 Sep/25 Oct/04	Oct/02 Oct/09 Oct/21	Oct/15 Oct/22 Nov/07	171 190 219	153 173 198	135 156 176	39 32 24
KEWANEE 1 E	36 32 28	Apr/23 Apr/12 Apr/02	May/08 Apr/26 Apr/15	May/22 May/10 Apr/29	Sep/15 Sep/24 Oct/01	Sep/30 Oct/09 Oct/19	Oct/16 Oct/24 Nov/05	166 186 208	145 165 186	124 144 164	46 39 31
LACON 1 N	36 32 28	Apr/18 Apr/08 Mar/28	May/09 Apr/23 Apr/12	May/30 May/08 Apr/27	Sep/21 Sep/25 Oct/03	Oct/01 Oct/12 Oct/21	Oct/11 Oct/28 Nov/09	169 192 217	144 171 192	120 150 166	41 34 26
LA HARPE	36 32 28	Apr/18 Apr/09 Mar/28	May/01 Apr/22 Apr/10	May/14 May/05 Apr/22	Sep/18 Sep/26 Oct/06	Oct/01 Oct/10 Oct/21	Oct/13 Oct/24 Nov/05	170 189 213	152 171 194	133 152 174	44 37 30
LINCOLN	36 32 28	Apr/16 Apr/05 Mar/24	May/01 Apr/18 Apr/06	May/16 May/01 Apr/20	Sep/20 Sep/28 Oct/05	Oct/02 Oct/12 Oct/23	Oct/15 Oct/27 Nov/10	172 196 223	154 177 199	136 157 175	42 34 26
MARENGO	36 32 28	May/02 Apr/17 Apr/06	May/17 May/04 Apr/21	Jun/01 May/21 May/06	Sep/14 Sep/23 Sep/26	Sep/27 Oct/04 Oct/14	Oct/10 Oct/14 Nov/01	153 173 201	132 152 176	111 131 150	48 42 33
MASON CITY 1 W	36 32 28	Apr/17 Apr/07 Mar/28	Apr/30 Apr/19 Apr/08	May/14 May/02 Apr/19	Sep/23 Sep/26 Oct/06	Oct/04 Oct/11 Oct/26	Oct/14 Oct/25 Nov/14	172 194 221	156 173 200	140 153 178	40 33 24
MATTOON	36 32 28	Apr/15 Mar/31 Mar/24	Apr/28 Apr/16 Apr/05	May/10 May/02 Apr/17	Sep/24 Oct/06 Oct/12	Oct/06 Oct/18 Oct/31	Oct/18 Oct/30 Nov/20	178 207 232	161 184 209	143 162 185	39 32 23
MCLEANSBORO	36 32 28	Apr/09 Mar/29 Mar/19	Apr/24 Apr/14 Apr/02	May/09 Apr/30 Apr/15	Sep/25 Oct/02 Oct/14	Oct/07 Oct/19 Oct/29	Oct/18 Nov/04 Nov/13	185 210 231	165 187 209	145 164 188	37 30 22
MINONK	36 32 28	Apr/26 Apr/09 Mar/31	May/09 Apr/27 Apr/14	May/23 May/15 Apr/27	Sep/19 Sep/26 Oct/04	Sep/30 Oct/09 Oct/22	Oct/11 Oct/22 Nov/10	159 188 213	143 165 191	127 142 169	45 38 29
MOLINE QUAD CITY AP	36 32 28	Apr/22 Apr/13 Mar/31	May/07 Apr/26 Apr/12	May/23 May/09 Apr/24	Sep/21 Sep/27 Oct/06	Oct/02 Oct/09 Oct/23	Oct/13 Oct/21 Nov/08	166 184 215	147 165 193	128 146 172	44 37 29
MONMOUTH	36 32 28	Apr/19 Apr/06 Mar/27	May/05 Apr/19 Apr/09	May/20 May/02 Apr/21	Sep/22 Sep/28 Oct/09	Oct/03 Oct/14 Oct/25	Oct/14 Oct/29 Nov/11	170 198 219	150 177 199	131 155 179	42 34 26
MORRISON	36 32 28	Apr/24 Apr/11 Mar/31	May/09 Apr/26 Apr/13	May/25 May/12 Apr/26	Sep/15 Sep/24 Oct/01	Sep/28 Oct/06 Oct/18	Oct/11 Oct/19 Nov/04	161 182 210	141 162 187	121 142 164	47 40 32

MOUNT CARMEL	36 32 28	Mar29 Mar25 Mar14	Apr18 Apr07 Mar29	May09 Apr19 Apr12	Sep24 Oct10 Oct16	Oct14 Oct28 Nov10	Nov03 Nov16 Dec05	213 230 258	178 204 225	142 177 193	36 29 21
MOUNT CARROLL	36 32 28	May06 Apr25 Apr12	May23 May12 Apr29	Jun08 May28 May16	Sep04 Sep12 Sep20	Sep17 Sep26 Oct07	Sep30 Oct10 Oct23	140 161 187	117 137 160	94 113 133	51 45 36
MT VERNON 3 NE	36 32 28	Apr12 Mar31 Mar23	Apr28 Apr14 Apr05	May13 Apr29 Apr18	Sep24 Oct01 Oct12	Oct06 Oct14 Oct28	Oct18 Oct27 Nov13	180 201 227	160 182 205	141 162 184	37 30 22
NASHVILLE 4 NE	36 32 28	Apr04 Mar25 Mar17	Apr19 Apr08 Mar31	May04 Apr22 Apr14	Sep27 Oct09 Oct24	Oct12 Oct25 Nov08	Oct28 Nov10 Nov24	201 223 242	175 199 222	150 176 202	33 26 19
NEWTON 6 SSE	36 32 28	Apr08 Mar31 Mar21	Apr25 Apr15 Apr03	May13 Apr30 Apr16	Sep23 Sep27 Oct15	Oct05 Oct14 Oct31	Oct17 Oct31 Nov15	183 206 229	162 182 210	141 157 191	39 31 23
OLNEY 2 S	36 32 28	Apr15 Apr01 Mar27	Apr30 Apr17 Apr07	May16 May04 Apr18	Sep23 Sep30 Oct11	Oct05 Oct12 Oct27	Oct16 Oct24 Nov12	176 200 221	157 177 203	138 155 185	35 28 20
OTTAWA 5 SW	36 32 28	Apr19 Apr05 Mar27	May04 Apr22 Apr09	May20 May10 Apr21	Sep24 Oct02 Oct12	Oct05 Oct16 Oct29	Oct15 Oct30 Nov15	171 198 225	153 176 203	135 153 180	42 35 26
PALESTINE 2 W	36 32 28	Apr07 Apr01 Mar16	Apr29 Apr14 Apr01	May22 Apr28 Apr16	Sep20 Sep24 Oct13	Oct05 Oct17 Oct29	Oct20 Nov08 Nov13	186 211 233	158 185 211	130 158 188	35 28 20
PANA 3 E	36 32 28	Apr12 Mar31 Mar24	Apr27 Apr14 Apr05	May12 Apr29 Apr17	Sep21 Sep29 Oct12	Oct06 Oct17 Oct30	Oct20 Nov04 Nov18	180 211 229	161 185 208	141 158 186	38 31 22
PARIS WATERWORKS	36 32 28	Apr16 Apr01 Mar22	May01 Apr16 Apr06	May16 May02 Apr20	Sep24 Sep30 Oct12	Oct05 Oct16 Oct30	Oct17 Nov01 Nov17	175 202 230	157 182 207	139 161 183	38 31 22
PARK FOREST	36 32 28	Apr24 Apr10 Mar31	May09 Apr26 Apr13	May24 May13 Apr26	Sep24 Sep28 Oct12	Oct05 Oct14 Oct29	Oct16 Oct29 Nov15	165 194 221	148 170 198	131 145 175	43 36 28
PAW PAW 2 NW	36 32 28	Apr22 Apr11 Mar30	May11 Apr27 Apr15	May29 May14 Apr30	Sep21 Sep26 Oct05	Oct01 Oct10 Oct21	Oct11 Oct23 Nov06	162 186 213	142 165 189	123 144 165	48 41 32
PEORIA GTR PEORIA AP	36 32 28	Apr17 Apr05 Mar27	May04 Apr19 Apr06	May21 May03 Apr16	Sep23 Sep28 Oct11	Oct04 Oct14 Oct27	Oct15 Oct29 Nov12	171 195 222	152 177 204	134 159 185	42 34 26
PERU	36 32 28	Apr24 Apr11 Mar27	May08 Apr27 Apr12	May22 May14 Apr28	Sep19 Sep24 Oct06	Sep30 Oct08 Oct23	Oct12 Oct21 Nov09	164 180 221	144 162 193	124 144 165	45 38 29
PIPER CITY	36 32 28	Apr24 Apr15 Mar28	May08 Apr28 Apr14	May21 May10 May01	Sep18 Sep25 Oct06	Sep30 Oct09 Oct25	Oct12 Oct24 Nov13	163 186 217	144 164 193	125 142 169	44 37 27
PONTIAC	36 32 28	Apr16 Apr03 Mar27	May01 Apr19 Apr08	May15 May05 Apr21	Sep24 Oct01 Oct13	Oct05 Oct17 Oct29	Oct16 Nov02 Nov15	172 202 225	157 180 203	141 157 181	42 35 27
PRINCEVILLE	36 32 28	Apr26 Apr13 Apr01	May12 Apr28 Apr16	May29 May14 Apr30	Sep11 Sep21 Sep25	Sep25 Oct07 Oct14	Oct10 Oct23 Nov01	159 186 206	135 161 180	111 136 154	47 40 32
QUINCY BALDWIN AP	36 32 28	Apr10 Mar28 Mar22	Apr24 Apr10 Apr03	May07 Apr24 Apr15	Sep23 Oct03 Oct13	Oct07 Oct20 Oct31	Oct20 Nov06 Nov19	186 214 229	165 192 210	145 170 191	38 31 23
QUINCY DAM 21	36 32 28	Apr07 Mar31 Mar20	Apr20 Apr10 Apr02	May04 Apr21 Apr15	Sep23 Oct05 Oct21	Oct09 Oct22 Nov05	Oct25 Nov08 Nov20	193 214 235	170 194 216	148 174 198	39 33 25

RANTOUL	36 32 28	Apr19 Apr10 Mar30	May03 Apr23 Apr12	May17 May06 Apr25	Sep19 Sep27 Oct08	Oct02 Oct12 Oct24	Oct16 Oct26 Nov08	169 187 215	152 171 194	135 154 173	43 36 28
ROCKFORD AP	36 32 28	Apr28 Apr16 Apr02	May12 Apr30 Apr14	May26 May14 Apr27	Sep18 Sep21 Oct01	Sep29 Oct06 Oct18	Oct10 Oct21 Nov04	157 180 209	139 158 186	121 136 163	47 39 31
ROSICLARE 5 NW	36 32 28	Apr12 Apr02 Mar20	Apr26 Apr19 Apr04	May10 May05 Apr20	Sep19 Sep30 Oct10	Oct06 Oct18 Oct29	Oct22 Nov04 Nov17	184 207 234	162 181 207	140 156 179	35 28 20
RUSHVILLE	36 32 28	Apr14 Apr02 Mar27	May02 Apr14 Apr07	May19 Apr25 Apr17	Sep19 Sep29 Oct14	Oct04 Oct15 Oct28	Oct20 Oct31 Nov12	178 203 220	155 184 204	132 164 188	40 33 25
SALEM	36 32 28	Apr09 Mar30 Mar18	Apr25 Apr12 Apr02	May11 Apr25 Apr17	Sep24 Oct05 Oct13	Oct08 Oct19 Nov01	Oct22 Nov03 Nov19	186 209 237	165 189 212	144 169 186	35 28 20
SPARTA 1 W	36 32 28	Apr12 Mar28 Mar16	Apr26 Apr11 Mar31	May09 Apr25 Apr15	Sep26 Oct03 Oct20	Oct08 Oct19 Nov04	Oct19 Nov04 Nov19	183 210 237	165 190 217	146 170 197	33 27 19
SPRINGFIELD CAPITAL AP	36 32 28	Apr13 Apr01 Mar23	Apr29 Apr13 Apr04	May14 Apr25 Apr15	Sep24 Oct01 Oct12	Oct04 Oct13 Oct28	Oct14 Oct25 Nov13	174 197 228	158 182 206	141 167 185	39 31 23
STOCKTON 3 NNE	36 32 28	Apr28 Apr20 Apr04	May11 May01 Apr18	May24 May12 May02	Sep13 Sep21 Sep27	Sep27 Oct04 Oct14	Oct11 Oct16 Nov01	159 173 201	138 155 178	117 136 155	48 41 33
TUSCOLA	36 32 28	Apr17 Apr04 Mar26	May02 Apr20 Apr06	May16 May05 Apr17	Sep23 Sep26 Oct10	Oct04 Oct12 Oct26	Oct16 Oct27 Nov11	172 196 220	155 174 202	137 153 184	39 32 23
URBANA	36 32 28	Apr15 Apr02 Mar26	Apr28 Apr16 Apr06	May12 Apr30 Apr17	Sep22 Oct02 Oct14	Oct07 Oct16 Oct31	Oct22 Oct30 Nov16	180 203 227	161 182 208	142 162 188	40 33 24
VIRDEN	36 32 28	Apr15 Apr01 Mar22	Apr27 Apr14 Apr03	May10 Apr27 Apr15	Sep23 Sep28 Oct11	Oct04 Oct15 Oct28	Oct15 Nov01 Nov13	176 205 227	159 183 207	142 161 188	37 30 22
WALNUT	36 32 28	Apr24 Apr10 Apr01	May07 Apr26 Apr14	May19 May12 Apr27	Sep18 Sep23 Oct03	Sep30 Oct07 Oct19	Oct11 Oct21 Nov04	164 183 207	145 163 187	127 143 167	45 39 31
WATERLOO	36 32 28	Apr08 Mar28 Mar19	Apr22 Apr10 Apr01	May06 May23 Apr15	Sep27 Oct07 Oct21	Oct13 Oct22 Nov07	Oct29 Nov06 Nov24	195 216 242	173 194 219	151 173 196	34 27 19
WATSEKA 2 NW	36 32 28	Apr22 Apr08 Apr01	May10 Apr26 Apr17	May28 May14 May03	Sep16 Sep25 Oct02	Sep29 Oct07 Oct19	Oct12 Oct19 Nov06	162 186 210	141 164 185	120 142 160	44 37 28
WAUKEGAN	36 32 28	Apr24 Apr12 Apr03	May13 Apr27 Apr15	May31 May12 Apr27	Sep24 Sep28 Oct11	Oct05 Oct15 Oct27	Oct16 Nov01 Nov12	165 195 215	145 170 195	124 146 174	46 39 31
WHEATON 3 SE	36 32 28	May02 Apr17 Apr06	May17 May06 Apr22	May31 May24 May08	Sep18 Sep26 Oct04	Sep30 Oct08 Oct20	Oct11 Oct20 Nov06	155 175 203	135 154 181	116 134 158	45 37 28
WHITE HALL 1 E	36 32 28	Apr10 Apr01 Mar22	Apr25 Apr13 Apr05	May10 Apr24 Apr19	Sep19 Oct04 Oct17	Oct04 Oct16 Oct31	Oct19 Oct28 Nov14	181 204 229	161 186 208	141 167 187	40 33 24
WINDSOR	36 32 28	Apr12 Apr02 Mar23	Apr27 Apr18 Apr04	May11 May04 Apr16	Sep24 Oct01 Oct15	Oct06 Oct18 Oct30	Oct19 Nov05 Nov14	181 206 227	162 183 208	143 159 189	37 30 21

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 (Aug 1 - Jul 31).  
(percent of days with temperatures at or below the threshold temperature)

Freeze / Frost Occurrence Data

All probabilities in whole percent. See notes for probability level description.  
- Indicates the probability of occurrence of threshold temperatureis less than indicated probability.

State And Station Name	Threshhold (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	
Indiana		Apr20	May03	May16	Sep24	Oct05	Oct17	171	154	138	40
		32 Apr06	Apr24	May12	Oct01	Oct17	Nov02	201	176	151	32
ANDERSON SEWAGE PLANT		28 Mar28	Apr11	Apr24	Oct13	Oct29	Nov14	224	201	178	24
ANGOLA		36 Apr29	May19	Jun07	Sep10	Sep26	Oct11	154	129	105	48
		32 Apr20	May06	May22	Sep24	Oct07	Oct20	174	153	132	42
		28 Apr12	Apr23	May04	Oct04	Oct20	Nov05	203	180	156	33
BERNE		36 Apr21	May04	May17	Sep22	Oct06	Oct20	173	154	135	41
		32 Apr08	Apr23	May08	Sep30	Oct18	Nov05	202	177	153	33
		28 Mar31	Apr13	Apr25	Oct13	Oct29	Nov14	223	199	174	25
BLOOMINGTON INDIANA UNIV		36 Apr13	Apr27	May10	Sep29	Oct12	Oct26	187	168	149	37
		32 Apr02	Apr14	Apr27	Oct09	Oct24	Nov07	210	191	173	30
		28 Mar23	Apr04	Apr16	Oct18	Nov03	Nov19	231	212	193	22
BLUFFTON 1 N		36 Apr25	May08	May21	Sep18	Sep30	Oct12	163	145	127	44
		32 Apr12	Apr25	May09	Sep25	Oct10	Oct26	189	167	146	37
		28 Apr02	Apr16	Apr30	Oct04	Oct23	Nov11	219	189	160	29
BROOKVILLE		36 Apr22	May08	May23	Sep22	Oct02	Oct12	165	146	128	44
		32 Apr13	Apr27	May12	Sep28	Oct09	Oct20	183	164	146	36
		28 Apr02	Apr15	Apr27	Oct12	Oct25	Nov08	212	193	174	28
CAMBRIDGE CITY 3 N		36 Apr23	May13	Jun01	Sep18	Sep28	Oct07	160	137	115	46
		32 Apr17	Apr30	May14	Sep25	Oct06	Oct16	173	158	144	38
		28 Apr06	Apr20	May03	Oct03	Oct18	Nov02	197	181	165	30
CHARLESTOWN 5 NNW		36 Apr17	May03	May18	Sep25	Oct07	Oct19	176	157	137	34
		32 Mar30	Apr18	May08	Oct04	Oct22	Nov08	212	186	160	26
		28 Mar13	Apr03	Apr24	Oct12	Nov01	Nov20	238	211	184	19
COLUMBIA CITY		36 Apr28	May13	May27	Sep17	Sep29	Oct12	156	139	121	46
		32 Apr16	Apr29	May11	Sep23	Oct08	Oct22	177	161	145	38
		28 Apr05	Apr18	May02	Oct05	Oct23	Nov09	210	187	163	30
COLUMBUS		36 Apr12	Apr26	May11	Sep24	Oct06	Oct19	180	162	144	40
		32 Apr05	Apr18	May02	Oct06	Oct19	Nov01	203	183	163	32
		28 Mar24	Apr06	Apr18	Oct15	Oct31	Nov16	229	208	187	24
CRANE NAVAL DEPOT		36 Apr09	Apr29	May18	Sep28	Oct10	Oct23	187	164	141	34
		32 Mar31	Apr14	Apr28	Oct05	Oct23	Nov11	214	192	169	27
		28 Mar24	Apr05	Apr17	Oct21	Nov04	Nov18	231	213	194	20
DELPHI 3 S		36 Apr21	May08	May25	Sep19	Sep30	Oct12	166	145	123	41
		32 Apr13	Apr27	May11	Sep26	Oct08	Oct20	181	163	144	33
		28 Mar31	Apr14	Apr28	Oct05	Oct22	Nov07	213	190	167	24
DUBOIS S IND FORAGE FRM		36 Apr17	May02	May16	Sep22	Oct05	Oct17	174	155	137	37
		32 Apr05	Apr22	May08	Oct03	Oct17	Oct31	199	177	156	30
		28 Mar24	Apr06	Apr19	Oct12	Oct29	Nov15	225	205	185	22
ELWOOD WASTEWATER PLANT		36 Apr24	May08	May22	Sep18	Sep30	Oct11	161	144	127	45
		32 Apr11	Apr27	May12	Sep27	Oct09	Oct22	184	165	146	38
		28 Mar31	Apr14	Apr29	Oct07	Oct23	Nov08	215	191	167	29

ENGLISH 4 S	36 32 28	Apr 25 Apr 18 Apr 04	May 14 May 03 Apr 17	Jun 02 May 18 Apr 30	Sep 14 Sep 27 Oct 02	Sep 27 Oct 07 Oct 13	Oct 11 Oct 17 Oct 25	158 171 198	136 156 179	113 140 160	40 32 25
EVANSVILLE MUSEUM	36 32 28	Mar 26 Mar 16 Feb 26	Apr 15 Apr 03 Mar 21	May 04 Apr 21 Apr 13	Oct 01 Oct 13 Oct 23	Oct 22 Nov 03 Nov 12	Nov 12 Nov 23 Dec 03	223 244 271	189 213 235	156 181 199	30 22 16
EVANSVILLE INTL AP	36 32 28	Apr 08 Mar 30 Mar 17	Apr 22 Apr 10 Mar 31	May 05 Apr 22 Apr 14	Sep 29 Oct 10 Oct 19	Oct 10 Oct 25 Nov 03	Oct 22 Nov 09 Nov 19	187 216 237	171 197 217	155 178 196	33 26 18
FARMLAND 5 NNW	36 32 28	Apr 23 Apr 17 Apr 05	May 10 May 01 Apr 20	May 26 May 14 May 05	Sep 16 Sep 24 Oct 04	Sep 27 Oct 06 Oct 19	Oct 08 Oct 18 Nov 02	159 175 200	140 158 181	122 141 162	44 37 29
FORT WAYNE BAER AP	36 32 28	Apr 20 Apr 12 Mar 29	May 03 Apr 26 Apr 12	May 15 May 09 Apr 25	Sep 21 Sep 27 Oct 12	Oct 03 Oct 13 Oct 26	Oct 15 Oct 28 Nov 10	168 189 220	153 169 197	138 149 174	42 35 26
FRANKFORT DISPOSAL PLANT	36 32 28	Apr 20 Apr 10 Mar 29	May 08 Apr 27 Apr 14	May 26 May 13 Apr 29	Sep 24 Sep 27 Oct 08	Oct 03 Oct 11 Oct 23	Oct 13 Oct 24 Nov 06	168 187 214	147 167 191	127 146 168	42 35 26
GOSHEN 3 W	36 32 28	Apr 26 Apr 15 Apr 02	May 10 Apr 29 Apr 14	May 24 May 13 Apr 27	Sep 19 Sep 28 Oct 09	Oct 03 Oct 14 Oct 27	Oct 16 Oct 29 Nov 13	165 184 218	145 167 194	125 149 171	43 35 26
GREENCASTLE 5 E	36 32 28	Apr 18 Apr 05 Mar 28	May 01 Apr 20 Apr 07	May 14 May 05 Apr 17	Sep 24 Oct 05 Oct 14	Oct 07 Oct 20 Oct 31	Oct 20 Nov 05 Nov 16	175 206 224	159 183 206	142 159 188	39 32 24
GREENFIELD	36 32 28	Apr 19 Apr 07 Mar 28	May 02 Apr 22 Apr 09	May 15 May 07 Apr 21	Sep 24 Sep 29 Oct 15	Oct 06 Oct 15 Oct 29	Oct 18 Oct 30 Nov 13	174 195 222	157 175 203	140 156 184	41 34 25
GREENSBURG	36 32 28	Apr 17 Apr 07 Mar 24	May 01 Apr 21 Apr 08	May 15 May 06 Apr 23	Sep 23 Sep 30 Oct 09	Oct 05 Oct 16 Oct 27	Oct 17 Nov 01 Nov 14	176 201 224	157 177 202	137 153 180	38 31 23
HARTFORD CITY 4 ESE	36 32 28	Apr 21 Apr 10 Apr 02	May 05 Apr 25 Apr 16	May 19 May 11 Apr 29	Sep 21 Sep 25 Oct 10	Oct 03 Oct 11 Oct 25	Oct 15 Oct 26 Nov 08	168 188 214	150 168 191	132 147 168	42 35 27
HOBART 2 WNW	36 32 28	Apr 27 Apr 20 Apr 03	May 14 May 04 Apr 15	May 31 May 19 Apr 28	Sep 22 Sep 28 Oct 14	Oct 03 Oct 13 Oct 28	Oct 14 Oct 29 Nov 11	159 180 216	141 161 195	122 143 174	44 36 27
INDIANAPOLIS INTL AP	36 32 28	Apr 15 Apr 01 Mar 24	Apr 29 Apr 17 Apr 06	May 12 May 04 Apr 20	Sep 25 Oct 02 Oct 13	Oct 07 Oct 16 Oct 30	Oct 19 Oct 31 Nov 15	178 203 226	160 181 206	142 160 185	38 31 23
INDIANAPOLIS SE SIDE	36 32 28	Apr 12 Apr 05 Mar 24	Apr 30 Apr 18 Apr 06	May 18 May 01 Apr 20	Sep 24 Oct 01 Oct 15	Oct 07 Oct 18 Nov 01	Oct 20 Nov 04 Nov 18	183 205 228	159 182 208	135 159 188	40 33 24
KENTLAND	36 32 28	Apr 30 Apr 13 Apr 01	May 11 Apr 28 Apr 13	May 22 May 14 Apr 25	Sep 18 Sep 27 Oct 02	Sep 30 Oct 09 Oct 21	Oct 11 Oct 22 Nov 09	155 182 211	141 163 190	126 144 169	43 36 27
KOKOMO 3 WSW	36 32 28	Apr 22 Apr 14 Apr 03	May 09 Apr 28 Apr 17	May 25 May 11 Apr 30	Sep 16 Sep 25 Oct 02	Sep 28 Oct 08 Oct 20	Oct 10 Oct 22 Nov 07	161 180 210	142 163 186	122 145 162	45 38 29
LAFAYETTE 8 S	36 32 28	Apr 24 Apr 14 Apr 03	May 10 Apr 29 Apr 18	May 27 May 14 May 02	Sep 16 Sep 25 Oct 02	Sep 28 Oct 06 Oct 19	Oct 09 Oct 18 Nov 04	158 179 206	139 160 184	121 140 161	43 36 27
LAGRANGE SEWAGE PLANT	36 32 28	Apr 28 Apr 18 Apr 06	May 15 May 05 May 23	Jun 01 May 22 May 09	Sep 18 Sep 23 Oct 06	Sep 29 Oct 08 Oct 23	Oct 10 Oct 22 Nov 10	156 176 211	136 154 183	116 133 155	46 39 30
LA PORTE	36 32 28	Apr 13 Apr 05 Mar 28	Apr 30 Apr 21 Apr 07	May 17 May 06 Apr 17	Sep 28 Oct 12 Oct 22	Oct 12 Oct 25 Nov 06	Oct 26 Nov 06 Nov 21	185 210 231	164 186 212	143 162 193	41 34 25

LOWELL	36 32 28	Apr/27 Apr/16 Apr/04	May/14 May/02 Apr/17	May/31 May/18 May/01	Sep/17 Sep/27 Oct/04	Sep/28 Oct/08 Oct/20	Oct/09 Oct/20 Nov/05	155 177 207	137 159 185	118 140 163	46 38 29
MADISON SEWAGE PLANT	36 32 28	Apr/14 Mar/31 Mar/21	Apr/29 Apr/16 Apr/02	May/14 May/02 Apr/14	Sep/28 Oct/13 Oct/21	Oct/12 Oct/28 Nov/07	Oct/26 Nov/11 Nov/23	184 216 239	165 194 218	147 173 197	34 26 18
MARION 2 N	36 32 28	Apr/24 Apr/11 Apr/02	May/08 Apr/26 Apr/15	May/21 May/10 Apr/28	Sep/23 Sep/28 Oct/10	Oct/05 Oct/12 Oct/28	Oct/16 Oct/26 Nov/14	168 186 220	150 169 195	131 151 169	44 36 28
MARTINSVILLE 2 SW	36 32 28	Apr/19 Apr/14 Mar/31	May/08 Apr/28 Apr/13	May/28 May/12 Apr/26	Sep/18 Sep/25 Oct/04	Sep/29 Oct/07 Oct/21	Oct/11 Oct/19 Nov/06	165 180 210	143 161 190	121 143 170	43 35 27
MOUNT VERNON	36 32 28	Apr/02 Mar/24 Mar/13	Apr/15 Apr/05 Mar/28	Apr/28 Apr/17 Apr/11	Sep/30 Oct/13 Oct/25	Oct/16 Oct/28 Nov/09	Nov/01 Nov/12 Nov/24	202 222 246	183 206 226	164 189 205	33 25 18
MUNCIE BALL STATE UNIV	36 32 28	Apr/19 Apr/12 Mar/27	May/06 Apr/26 Apr/11	May/22 May/10 Apr/25	Sep/18 Sep/26 Oct/07	Oct/01 Oct/12 Oct/26	Oct/13 Oct/27 Nov/13	169 187 222	148 168 197	126 149 173	42 35 26
NEW CASTLE 4 N	36 32 28	Apr/22 Apr/11 Mar/31	May/05 Apr/26 Apr/14	May/18 May/10 Apr/27	Sep/23 Sep/27 Oct/10	Oct/03 Oct/12 Oct/25	Oct/12 Oct/27 Nov/08	165 187 214	150 168 193	134 150 173	44 37 28
NORTH VERNON 2 ESE	36 32 28	Apr/20 Apr/06 Mar/28	May/04 Apr/23 Apr/09	May/19 May/10 Apr/21	Sep/24 Oct/05 Oct/10	Oct/03 Oct/17 Oct/28	Oct/12 Oct/29 Nov/15	167 198 221	151 176 201	134 155 180	36 28 21
OOLITIC PURDUE EXP FRM	36 32 28	Apr/19 Apr/09 Mar/28	May/04 Apr/25 Apr/10	May/19 May/11 Apr/23	Sep/23 Sep/30 Oct/09	Oct/03 Oct/11 Oct/26	Oct/12 Oct/21 Nov/11	169 186 217	151 168 198	134 150 179	41 35 26
PAOLI	36 32 28	Apr/21 Apr/13 Apr/02	May/07 Apr/28 Apr/15	May/23 May/13 Apr/28	Sep/20 Sep/25 Oct/05	Sep/30 Oct/09 Oct/22	Oct/10 Oct/23 Nov/07	164 183 208	145 164 188	126 145 169	40 33 26
PORTLAND 1 SW	36 32 28	Apr/22 Apr/15 Apr/06	May/07 Apr/29 Apr/18	May/22 May/12 Apr/30	Sep/20 Sep/24 Oct/07	Oct/01 Oct/07 Oct/22	Oct/12 Oct/20 Nov/07	164 179 207	146 161 187	128 143 167	44 37 29
PRINCETON 1 W	36 32 28	Apr/05 Mar/31 Mar/15	Apr/23 Apr/12 Mar/30	May/12 Apr/24 Apr/14	Sep/28 Oct/07 Oct/18	Oct/09 Oct/23 Nov/03	Oct/20 Nov/09 Nov/19	187 215 238	168 194 217	149 173 196	34 26 18
RENSSELAER	36 32 28	Apr/21 Apr/08 Mar/30	May/06 Apr/25 Apr/12	May/21 May/11 Apr/25	Sep/22 Sep/28 Oct/11	Oct/02 Oct/12 Oct/27	Oct/12 Oct/26 Nov/13	165 193 219	149 169 198	133 146 177	43 36 27
RICHMOND WTR WKS	36 32 28	Apr/23 Apr/10 Apr/01	May/06 Apr/26 Apr/16	May/20 May/12 Apr/30	Sep/20 Sep/29 Oct/08	Oct/01 Oct/12 Oct/24	Oct/12 Oct/24 Nov/09	163 187 214	147 167 190	131 147 167	42 35 26
ROCHESTER	36 32 28	Apr/21 Apr/12 Apr/01	May/08 Apr/26 Apr/14	May/25 May/10 Apr/28	Sep/21 Sep/25 Oct/11	Oct/03 Oct/12 Oct/25	Oct/14 Oct/29 Nov/09	169 192 216	147 168 193	125 145 170	45 38 29
ROCKVILLE	36 32 28	Apr/20 Apr/08 Mar/30	May/05 Apr/23 Apr/08	May/20 May/08 Apr/17	Sep/26 Oct/01 Oct/14	Oct/06 Oct/14 Oct/28	Oct/16 Oct/27 Nov/12	169 193 218	153 173 203	137 154 187	38 31 23
RUSHVILLE SEWAGE PLANT	36 32 28	Apr/17 Apr/08 Mar/28	May/02 Apr/22 Apr/11	May/17 May/07 Apr/26	Sep/24 Oct/01 Oct/11	Oct/04 Oct/14 Oct/26	Oct/13 Oct/26 Nov/11	172 193 220	154 173 197	136 153 175	43 35 27
SAINT MEINRAD	36 32 28	Apr/17 Apr/04 Mar/27	May/01 Apr/17 Apr/07	May/15 May/01 Apr/19	Sep/24 Oct/07 Oct/13	Oct/07 Oct/19 Oct/28	Oct/20 Oct/31 Nov/11	177 202 219	159 184 202	141 165 186	33 26 18
SALEM	36 32 28	Apr/21 Apr/10 Mar/30	May/03 Apr/25 Apr/12	May/15 May/10 Apr/24	Sep/24 Oct/01 Oct/08	Oct/03 Oct/11 Oct/26	Oct/13 Oct/21 Nov/12	165 185 215	153 168 196	140 151 177	36 29 21

SCOTTSBURG	36 32 28	Apr/20 Apr/07 Mar/29	May/02 Apr/20 Apr/10	May/15 May/03 Apr/22	Sep/24 Sep/29 Oct/11	Oct/04 Oct/11 Oct/27	Oct/13 Oct/23 Nov/12	167 190 220	154 173 199	140 156 179	39 32 24
SEYMOUR 2 N	36 32 28	Apr/18 Apr/07 Mar/28	May/01 Apr/20 Apr/10	May/14 May/03 Apr/22	Sep/23 Sep/28 Oct/09	Oct/02 Oct/12 Oct/26	Oct/12 Oct/26 Nov/12	169 193 219	154 174 199	138 156 178	42 34 26
SHELBYVILLE SEWAGE PLANT	36 32 28	Apr/16 Apr/07 Mar/30	Apr/30 Apr/23 Apr/11	May/15 May/08 Apr/23	Sep/23 Oct/01 Oct/11	Oct/03 Oct/14 Oct/27	Oct/13 Oct/26 Nov/13	169 194 221	155 173 199	141 153 177	41 33 25
SHOALS HIWAY 50 BRIDGE	36 32 28	Apr/18 Apr/11 Mar/29	May/03 Apr/25 Apr/11	May/18 May/10 Apr/25	Sep/23 Oct/01 Oct/11	Oct/03 Oct/12 Oct/26	Oct/14 Oct/24 Nov/10	170 186 216	153 169 197	135 153 179	41 33 25
SOUTH BEND RGNL AP	36 32 28	Apr/24 Apr/11 Mar/30	May/10 Apr/26 Apr/14	May/27 May/11 Apr/28	Sep/23 Oct/05 Oct/16	Oct/07 Oct/19 Nov/02	Oct/21 Nov/03 Nov/18	169 198 224	149 175 201	129 153 179	42 34 25
SPENCER	36 32 28	Apr/22 Apr/15 Apr/04	May/10 Apr/29 Apr/17	May/27 May/14 Apr/30	Sep/23 Sep/26 Oct/05	Oct/02 Oct/08 Oct/22	Oct/12 Oct/21 Nov/07	165 180 208	145 162 188	125 143 167	44 37 29
TELL CITY	36 32 28	Apr/05 Mar/28 Mar/13	Apr/20 Apr/10 Mar/30	May/04 Apr/23 Apr/15	Oct/03 Oct/08 Oct/25	Oct/16 Oct/24 Nov/09	Oct/28 Nov/09 Nov/25	197 215 246	178 197 224	160 178 202	33 25 18
TERRE HAUTE IN STATE	36 32 28	Apr/10 Apr/01 Mar/19	May/02 Apr/20 Apr/03	May/23 May/08 Apr/18	Sep/22 Sep/29 Oct/12	Oct/09 Oct/15 Oct/28	Oct/26 Oct/31 Nov/14	188 203 232	160 177 207	131 152 183	39 33 24
VALPARAISO WATERWORKS	36 32 28	Apr/25 Apr/13 Mar/31	May/11 Apr/27 Apr/13	May/27 May/11 Apr/27	Sep/23 Oct/02 Oct/14	Oct/05 Oct/17 Oct/31	Oct/16 Oct/31 Nov/16	165 192 222	146 172 200	128 151 177	42 35 26
VEVAY	36 32 28	Apr/18 Apr/05 Mar/26	May/02 Apr/19 Apr/09	May/16 May/03 Apr/22	Sep/28 Oct/09 Oct/19	Oct/11 Oct/24 Nov/02	Oct/25 Nov/08 Nov/16	182 209 229	162 187 207	142 166 185	35 27 19
WABASH	36 32 28	Apr/25 Apr/18 Apr/06	May/11 May/01 Apr/21	May/28 May/14 May/06	Sep/16 Sep/23 Oct/03	Sep/29 Oct/06 Oct/18	Oct/11 Oct/19 Nov/01	159 174 198	140 157 179	120 140 161	46 39 30
WANATAH 2 WNW	36 32 28	Apr/30 Apr/19 Apr/04	May/17 May/03 Apr/18	Jun/03 May/17 May/02	Sep/13 Sep/24 Oct/05	Sep/26 Oct/08 Oct/21	Oct/09 Oct/22 Nov/06	153 176 207	131 157 185	108 139 163	46 38 29
WARSAW	36 32 28	Apr/18 Apr/11 Apr/01	May/09 Apr/26 Apr/16	May/30 May/10 May/01	Sep/19 Sep/24 Oct/09	Oct/02 Oct/10 Oct/25	Oct/14 Oct/26 Nov/10	169 186 218	145 167 192	121 147 166	43 36 27
WASHINGTON 1 NNW	36 32 28	Apr/10 Apr/01 Mar/19	Apr/26 Apr/13 Apr/02	May/12 Apr/25 Apr/17	Sep/24 Oct/06 Oct/17	Oct/09 Oct/21 Nov/02	Oct/24 Nov/05 Nov/17	189 209 234	165 190 212	140 171 191	32 25 17
WEST LAFAYETTE 6 NW	36 32 28	Apr/23 Apr/15 Apr/02	May/10 Apr/30 Apr/15	May/27 May/15 Apr/28	Sep/19 Sep/25 Oct/04	Sep/29 Oct/09 Oct/21	Oct/09 Oct/24 Nov/07	160 181 211	141 161 188	122 142 165	43 36 27
WHEATFIELD 3 WNW	36 32 28	Apr/30 Apr/18 Apr/04	May/19 May/02 Apr/20	Jun/07 May/16 May/06	Sep/16 Sep/25 Oct/05	Sep/28 Oct/06 Oct/20	Oct/10 Oct/17 Nov/04	155 173 207	131 157 182	107 140 157	46 39 29
WHITESTOWN	36 32 28	Apr/20 Apr/13 Mar/29	May/08 Apr/25 Apr/11	May/26 May/08 Apr/24	Sep/20 Sep/26 Oct/05	Oct/02 Oct/10 Oct/23	Oct/14 Oct/25 Nov/10	168 184 218	147 167 194	126 150 171	42 35 26
WINAMAC 2 SSE	36 32 28	Apr/21 Apr/11 Apr/01	May/11 Apr/28 Apr/15	May/31 May/15 Apr/29	Sep/20 Sep/30 Oct/09	Oct/03 Oct/13 Oct/24	Oct/17 Oct/25 Nov/08	164 187 213	145 167 191	125 147 170	43 36 28
WINCHESTER AP 3E	36 32 28	Apr/23 Apr/10 Mar/31	May/04 Apr/25 Apr/13	May/15 May/09 Apr/25	Sep/20 Sep/29 Oct/12	Oct/02 Oct/13 Oct/28	Oct/14 Oct/27 Nov/13	166 188 221	150 171 198	134 153 174	42 35 27

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 (Aug 1 - Jul 31).  
(percent of days with temperatures at or below the threshold temperature)

Freeze / Frost Occurrence Data

All probabilities in whole percent. See notes for probability level description.  
- Indicates the probability of occurrence of threshold temperatureis less than indicated probability.

State And Station Name	T h r e s h o l d (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			P r o b a b i l i t y L e v e l (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
Kansas											
ABILENE 1 W	36 32 28	Apr15 Apr01 Mar22	Apr29 Apr16 Apr05	May14 May02 Apr20	Sep19 Sep26 Oct11	Oct04 Oct14 Oct30	Oct19 Nov02 Nov17	181 206 232	157 181 206	132 155 181	39 32 24
ALTON 6 ESE	36 32 28	Apr23 Apr10 Apr01	May08 Apr27 Apr18	May23 May14 May04	Sep13 Sep19 Oct02	Sep26 Oct03 Oct16	Oct09 Oct18 Oct30	158 179 201	140 159 180	123 139 160	47 41 34
ANTHONY	36 32 28	Apr04 Mar23 Mar15	Apr17 Apr06 Mar27	Apr30 Apr19 Apr09	Oct02 Oct16 Oct22	Oct16 Oct30 Nov08	Oct30 Nov13 Nov26	202 230 245	181 206 225	160 183 205	33 27 19
ASHLAND	36 32 28	Apr22 Apr09 Mar30	May03 Apr22 Apr12	May13 May05 Apr26	Sep19 Sep23 Oct02	Oct02 Oct09 Oct20	Oct16 Oct25 Nov06	167 191 211	152 170 190	137 148 168	45 39 32
ATCHISON	36 32 28	Apr06 Mar29 Mar19	Apr19 Apr10 Apr01	May01 Apr22 Apr14	Sep23 Oct07 Oct15	Oct09 Oct23 Oct31	Oct25 Nov07 Nov17	194 214 235	173 195 213	151 176 190	36 29 22
ATWOOD 2 SW	36 32 28	Apr30 Apr22 Apr09	May16 May07 Apr25	Jun01 May23 May12	Sep12 Sep16 Sep26	Sep23 Sep28 Oct11	Oct04 Oct10 Oct25	148 159 190	129 143 168	110 126 146	52 46 38
BELLEVILLE	36 32 28	Apr17 Apr06 Mar28	Apr30 Apr20 Apr09	May14 May04 Apr21	Sep14 Sep28 Oct11	Sep29 Oct13 Oct24	Oct14 Oct27 Nov06	173 194 213	151 175 197	128 156 182	42 36 28
BELOIT	36 32 28	Apr17 Apr08 Mar29	May01 Apr21 Apr08	May15 May03 Apr19	Sep18 Sep30 Oct11	Oct02 Oct15 Oct25	Oct16 Oct29 Nov08	172 195 216	153 177 199	134 158 182	42 36 28
BISON 3 NW	36 32 28	Apr21 Apr10 Mar29	May05 Apr24 Apr11	May20 May07 Apr23	Sep14 Sep25 Oct02	Sep30 Oct11 Oct20	Oct16 Oct28 Nov08	166 192 215	147 170 192	127 148 169	44 38 30
BREWSTER 4 W	36 32 28	Apr29 Apr23 Apr08	May14 May07 Apr25	May29 May21 May11	Sep12 Sep21 Sep27	Sep24 Oct04 Oct12	Oct06 Oct17 Oct28	152 168 193	133 149 170	113 131 148	52 45 37
CASSODAY	36 32 28	Apr15 Apr04 Mar25	Apr29 Apr19 Apr09	May12 May03 Apr24	Sep19 Sep26 Oct06	Oct05 Oct12 Oct23	Oct20 Oct28 Nov08	177 197 217	158 176 196	139 155 174	39 33 26
CEDAR BLUFF DAM 4 NNE	36 32 28	Apr22 Apr13 Apr02	May05 Apr27 Apr13	May17 May11 Apr24	Sep17 Sep25 Oct09	Sep30 Oct10 Oct22	Oct13 Oct26 Nov05	164 185 205	147 165 191	131 145 178	46 40 32
CENTRALIA	36 32 28	Apr17 Apr09 Mar25	May02 Apr22 Apr08	May17 May05 Apr21	Sep18 Sep25 Oct06	Sep28 Oct11 Oct22	Oct09 Oct27 Nov07	168 191 220	149 172 197	129 153 174	40 34 26
CHANUTE JOHNSON AP	36 32 28	Apr03 Mar25 Mar12	Apr19 Apr07 Mar27	May04 Apr21 Apr12	Sep26 Oct10 Oct19	Oct11 Oct27 Nov05	Oct27 Nov13 Nov21	201 226 248	175 202 221	149 177 195	35 28 21

CIMARRON 4 S	36 32 28	Apr/21 Apr/11 Mar/30	May/04 Apr/25 Apr/13	May/18 May/10 Apr/27	Sep/16 Sep/22 Oct/03	Sep/30 Oct/09 Oct/20	Oct/14 Oct/26 Nov/07	166 190 210	148 166 189	130 142 168	45 39 31
CLAY CENTER	36 32 28	Apr/16 Apr/05 Mar/24	May/01 Apr/18 Apr/04	May/16 May/02 Apr/15	Sep/20 Sep/29 Oct/11	Oct/05 Oct/15 Oct/27	Oct/19 Oct/30 Nov/12	177 196 226	156 179 205	135 161 184	39 32 25
COLBY 1 SW	36 32 28	May/01 Apr/24 Apr/10	May/15 May/05 Apr/26	May/29 May/16 May/12	Sep/13 Sep/18 Sep/30	Sep/25 Oct/04 Oct/15	Oct/07 Oct/19 Oct/29	151 168 192	133 151 171	114 133 150	52 46 37
COLDWATER	36 32 28	Apr/10 Mar/31 Mar/22	Apr/25 Apr/13 Apr/04	May/10 Apr/26 Apr/18	Sep/22 Oct/01 Oct/20	Oct/09 Oct/19 Nov/01	Oct/26 Nov/06 Nov/14	186 211 229	166 188 210	146 165 192	36 30 22
COLUMBUS 1 SW	36 32 28	Apr/07 Mar/29 Mar/12	Apr/21 Apr/10 Mar/28	May/05 Apr/22 Apr/12	Sep/27 Oct/10 Oct/22	Oct/12 Oct/25 Nov/09	Oct/27 Nov/09 Nov/27	196 219 248	173 198 225	150 177 202	34 27 19
CONCORDIA BLOSSER AP	36 32 28	Apr/15 Apr/03 Mar/25	Apr/28 Apr/19 Apr/06	May/12 May/04 Apr/17	Sep/20 Oct/02 Oct/14	Oct/05 Oct/17 Oct/30	Oct/21 Nov/01 Nov/14	179 202 226	159 181 207	139 159 187	40 34 26
COTTONWOOD FALLS	36 32 28	Apr/15 Apr/03 Mar/22	Apr/28 Apr/16 Apr/05	May/12 Apr/28 Apr/19	Sep/20 Sep/28 Oct/12	Oct/02 Oct/13 Oct/27	Oct/15 Oct/29 Nov/11	176 199 225	156 180 204	137 160 183	38 31 24
COUNCIL GROVE LAKE	36 32 28	Apr/12 Mar/30 Mar/24	Apr/27 Apr/15 Apr/04	May/11 May/01 Apr/15	Sep/19 Sep/28 Oct/10	Oct/04 Oct/13 Oct/26	Oct/19 Oct/29 Nov/10	182 205 223	160 181 204	139 157 185	40 34 27
DODGE CITY RGNL AP	36 32 28	Apr/18 Apr/05 Mar/31	May/01 Apr/20 Apr/10	May/14 May/05 Apr/20	Sep/22 Oct/02 Oct/16	Oct/07 Oct/18 Oct/29	Oct/23 Nov/02 Nov/10	180 199 216	159 180 201	138 161 185	41 34 25
EL DORADO	36 32 28	Apr/15 Mar/31 Mar/21	Apr/28 Apr/14 Apr/02	May/10 Apr/28 Apr/13	Sep/23 Oct/01 Oct/14	Oct/08 Oct/19 Oct/31	Oct/22 Nov/05 Nov/17	181 210 231	162 187 212	143 164 192	36 29 22
ELKHART	36 32 28	Apr/20 Apr/07 Mar/29	May/01 Apr/22 Apr/11	May/13 May/07 Apr/23	Sep/23 Sep/29 Oct/12	Oct/07 Oct/16 Oct/28	Oct/21 Nov/02 Nov/13	174 196 221	158 176 199	142 157 177	43 36 27
ELLSWORTH	36 32 28	Apr/17 Apr/13 Mar/31	May/03 Apr/26 Apr/13	May/20 May/09 Apr/26	Sep/14 Sep/22 Oct/05	Sep/27 Oct/08 Oct/20	Oct/10 Oct/23 Nov/04	169 186 209	146 164 189	123 142 169	42 36 29
EUREKA	36 32 28	Apr/12 Mar/30 Mar/21	Apr/26 Apr/12 Apr/03	May/10 May/24 Apr/15	Sep/24 Sep/29 Oct/13	Oct/08 Oct/17 Oct/31	Oct/22 Nov/03 Nov/17	185 209 231	164 187 210	143 166 189	36 30 22
FALL RIVER LAKE	36 32 28	Apr/07 Mar/27 Mar/16	Apr/21 Apr/11 Mar/29	May/05 Apr/25 Apr/12	Sep/23 Oct/08 Oct/16	Oct/10 Oct/23 Nov/04	Oct/27 Nov/08 Nov/24	197 220 242	171 195 219	145 169 196	37 31 23
FLORENCE	36 32 28	Apr/17 Apr/06 Mar/22	May/01 Apr/22 Apr/06	May/16 May/09 Apr/22	Sep/19 Sep/23 Oct/08	Oct/01 Oct/10 Oct/23	Oct/13 Oct/27 Nov/07	171 191 220	152 170 199	132 149 179	38 31 24
FORT SCOTT	36 32 28	Apr/06 Mar/26 Mar/14	Apr/21 Apr/08 Mar/28	May/06 Apr/21 Apr/12	Sep/26 Oct/10 Oct/20	Oct/12 Oct/24 Nov/06	Oct/27 Nov/08 Nov/24	198 218 245	173 199 222	148 180 200	34 27 19
FREDONIA	36 32 28	Apr/13 Apr/01 Mar/18	Apr/27 Apr/13 Apr/03	May/10 Apr/26 Apr/19	Sep/24 Oct/02 Oct/14	Oct/07 Oct/19 Oct/31	Oct/19 Nov/05 Nov/16	179 208 233	162 188 210	145 167 187	35 29 21
GARDEN CITY EXP STN	36 32 28	Apr/26 Apr/13 Apr/03	May/08 Apr/27 Apr/13	May/19 May/12 Apr/24	Sep/16 Sep/28 Oct/02	Sep/30 Oct/11 Oct/19	Oct/13 Oct/24 Nov/05	161 185 208	144 166 187	127 147 167	47 41 34
GARNETT 1 E	36 32 28	Apr/13 Apr/01 Mar/21	Apr/25 Apr/15 Apr/03	May/06 Apr/28 Apr/16	Sep/23 Sep/29 Oct/12	Oct/09 Oct/17 Oct/29	Oct/24 Nov/04 Nov/15	188 207 228	166 184 209	145 162 189	35 29 21



GIRARD	36	Apr03	Apr16	Apr28		Sep29	Oct15	Oct31	204	182	159	34
	32	Mar25	Apr08	Apr21		Oct14	Oct30	Nov15	226	204	182	26
GLEN ELDER LAKE	28	Mar08	Mar25	Apr11		Oct23	Nov10	Nov28	254	229	203	19
	36	Apr16	May01	May16		Sep15	Oct01	Oct16	173	152	132	45
GOODLAND RENNER AP	32	Apr08	Apr23	May08		Sep30	Oct14	Oct28	191	173	156	39
	28	Mar31	Apr14	Apr27		Oct10	Oct27	Nov13	216	195	175	31
GREAT BEND	36	Apr30	May11	May23		Sep14	Sep28	Oct11	157	139	120	50
	32	Apr21	May05	May18		Sep20	Oct04	Oct17	173	151	130	43
GREENSBURG	28	Apr07	Apr22	May06		Oct05	Oct17	Oct29	195	177	160	34
	36	Apr14	Apr27	May10		Sep24	Oct10	Oct26	186	165	144	38
HAYS 1 S	32	Apr01	Apr13	Apr26		Oct03	Oct19	Nov04	210	188	166	31
	28	Mar21	Apr02	Apr13		Oct17	Oct30	Nov13	228	211	194	23
HEALY	36	Apr15	Apr28	May10		Sep24	Oct08	Oct22	182	163	143	41
	32	Apr04	Apr16	May28		Sep29	Oct18	Nov05	207	184	162	34
HERINGTON	28	Mar25	Apr07	Apr20		Oct12	Oct28	Nov14	225	204	182	26
	36	Apr20	May06	May21		Sep16	Sep30	Oct13	166	146	126	45
HOLTON	32	Apr12	Apr26	May10		Sep23	Oct09	Oct25	186	165	144	39
	28	Apr01	Apr15	Apr29		Oct03	Oct18	Nov02	206	185	164	32
HOLTON	36	Apr27	May10	May23		Sep17	Sep30	Oct13	159	142	124	47
	32	Apr13	Apr29	May15		Sep21	Oct07	Oct24	183	161	138	40
HOLTON	28	Apr04	Apr18	May02		Oct02	Oct17	Nov01	198	181	164	32
	36	Apr16	May01	May16		Sep16	Sep30	Oct15	170	150	130	40
HOLTON	32	Apr08	Apr22	May05		Sep23	Oct09	Oct25	191	169	147	33
	28	Mar24	Apr07	Apr20		Oct09	Oct27	Nov13	227	202	177	25
HORTON	36	Apr18	Apr30	May11		Sep16	Oct02	Oct17	175	154	134	40
	32	Apr09	Apr22	May05		Sep24	Oct09	Oct24	187	169	151	34
HOWARD 5 NE	28	Mar26	Apr08	Apr22		Oct10	Oct25	Nov10	223	200	176	26
	36	Apr14	Apr28	May11		Sep20	Oct06	Oct21	182	160	138	36
HOXIE	32	Mar30	Apr12	Apr25		Sep29	Oct16	Nov02	210	187	163	29
	28	Mar18	Apr04	Apr20		Oct14	Oct29	Nov13	231	207	184	22
HUDSON	36	Apr27	May11	May24		Sep15	Sep28	Oct11	155	139	124	47
	32	Apr15	Apr30	May16		Sep17	Oct05	Oct22	180	157	133	40
HUDSON	28	Apr05	Apr20	May05		Sep30	Oct16	Oct31	201	178	155	32
	36	Apr08	Apr22	May06		Sep27	Oct12	Oct26	193	172	150	37
HUGOTON	32	Mar31	Apr11	Apr22		Oct03	Oct22	Nov10	216	193	169	29
	28	Mar19	Apr01	Apr15		Oct16	Nov02	Nov19	239	214	189	21
HUTCHINSON 10 SW	36	Apr15	Apr29	May14		Sep23	Oct07	Oct22	181	160	139	43
	32	Apr04	Apr18	May03		Oct01	Oct18	Nov03	203	182	160	36
INDEPENDENCE	28	Mar25	Apr06	Apr18		Oct18	Nov01	Nov15	227	208	188	28
	36	Apr15	Apr28	May12		Sep23	Oct08	Oct23	181	162	143	39
IOLA 1 W	32	Apr04	Apr17	Apr30		Sep27	Oct15	Nov01	204	180	156	33
	28	Mar20	Apr02	Apr16		Oct19	Nov01	Nov14	233	212	191	24
JOHN REDMOND LAKE	36	Apr01	Apr17	May02		Sep26	Oct14	Nov01	206	179	152	33
	32	Mar26	Apr08	Apr22		Oct10	Oct25	Nov09	221	199	176	27
KANOPOLIS LAKE	28	Mar08	Mar24	Apr09		Oct24	Nov10	Nov28	258	231	204	19
	36	Apr09	Apr22	May05		Sep27	Oct11	Oct25	191	171	151	34
JOHN REDMOND LAKE	32	Mar27	Apr08	Apr20		Oct06	Oct23	Nov10	218	197	177	27
	28	Mar17	Mar31	Apr14		Oct18	Nov05	Nov22	242	218	194	20
KANOPOLIS LAKE	36	Apr15	Apr27	May09		Sep24	Oct08	Oct22	182	164	145	39
	32	Apr02	Apr13	Apr25		Oct03	Oct20	Nov06	211	189	167	33
KANOPOLIS LAKE	28	Mar23	Apr03	Apr14		Oct13	Oct30	Nov16	228	209	191	25
	36	Apr15	Apr29	May13		Sep16	Oct02	Oct18	177	155	133	42
KANOPOLIS LAKE	32	Apr06	Apr18	May01		Sep28	Oct15	Oct31	197	178	160	36
	28	Mar25	Apr07	Apr20		Oct11	Oct26	Nov10	222	201	180	28

KINGMAN	36 32 28	Apr11 Mar30 Mar22	Apr25 Apr12 Apr02	May10 Apr24 Apr13	Sep21 Oct01 Oct17	Oct07 Oct17 Nov01	Oct23 Nov03 Nov17	184 211 234	164 188 213	145 166 192	37 30 23
KINSLEY	36 32 28	Apr11 Apr04 Mar24	Apr27 Apr15 Apr07	May13 Apr26 Apr20	Sep22 Sep27 Oct09	Oct07 Oct14 Oct26	Oct22 Oct30 Nov13	184 201 225	162 181 202	140 161 179	42 36 27
KIRWIN DAM	36 32 28	Apr28 Apr13 Apr06	May09 Apr28 Apr17	May21 May13 Apr27	Sep13 Sep19 Sep29	Sep24 Oct03 Oct15	Oct04 Oct17 Oct31	154 178 199	137 158 180	120 138 162	50 44 36
LAKIN	36 32 28	Apr21 Apr08 Mar31	May03 Apr22 Apr10	May16 May07 Apr21	Sep18 Sep22 Oct04	Oct04 Oct10 Oct21	Oct19 Oct28 Nov06	175 193 212	153 170 193	130 147 173	46 39 31
LARNED	36 32 28	Apr14 Apr05 Mar24	Apr28 Apr17 Apr05	May11 Apr29 Apr18	Sep25 Oct01 Oct12	Oct09 Oct17 Oct29	Oct24 Nov02 Nov16	183 202 229	164 183 206	145 163 183	40 34 25
LAWRENCE	36 32 28	Apr06 Mar25 Mar16	Apr19 Apr07 Mar30	May03 Apr21 Apr12	Sep28 Oct16 Oct24	Oct14 Oct29 Nov08	Oct31 Nov11 Nov23	201 222 244	177 204 222	154 186 201	33 26 19
LEAVENWORTH	36 32 28	Apr10 Mar31 Mar22	Apr26 Apr14 Apr04	May12 Apr27 Apr17	Sep23 Sep29 Oct16	Oct06 Oct16 Nov02	Oct20 Nov01 Nov19	186 209 234	163 184 211	140 160 188	38 31 23
LEOTT 1 SE	36 32 28	Apr28 Apr18 Apr06	May11 May04 Apr19	May24 May20 May03	Sep14 Sep22 Oct01	Sep28 Oct07 Oct15	Oct12 Oct21 Oct30	157 178 197	139 155 178	122 132 159	49 43 35
LIBERAL	36 32 28	Apr12 Apr03 Mar20	Apr26 Apr16 Apr02	May09 Apr29 Apr16	Sep24 Oct07 Oct21	Oct12 Oct22 Nov02	Oct29 Nov06 Nov13	190 208 233	168 188 212	147 169 191	40 33 25
LINCOLN 1 ESE	36 32 28	Apr24 Apr13 Apr04	May07 Apr27 Apr19	May19 May11 May04	Sep15 Sep22 Sep30	Sep28 Oct07 Oct16	Oct10 Oct22 Nov02	164 187 203	143 162 180	123 137 156	43 37 31
LOVEWELL DAM	36 32 28	Apr18 Apr08 Mar29	May01 Apr22 Apr09	May14 May06 Apr21	Sep14 Sep24 Oct06	Sep28 Oct09 Oct22	Oct11 Oct24 Nov07	168 188 212	149 169 195	129 150 178	46 40 32
MANHATTAN	36 32 28	Apr14 Apr05 Mar25	Apr29 Apr20 Apr08	May15 May05 Apr22	Sep20 Sep28 Oct06	Oct03 Oct14 Oct24	Oct15 Oct29 Nov10	175 198 223	156 176 198	137 154 174	39 32 25
MANKATO	36 32 28	Apr16 Apr09 Mar29	May03 Apr25 Apr15	May19 May11 May03	Sep15 Sep23 Oct05	Sep28 Oct09 Oct21	Oct11 Oct25 Nov07	168 191 216	147 167 188	126 143 160	45 39 32
MARION LAKE	36 32 28	Apr13 Mar30 Mar22	Apr28 Apr13 Apr03	May13 Apr26 Apr15	Sep21 Sep28 Oct12	Oct06 Oct16 Oct30	Oct21 Nov03 Nov16	183 207 230	160 186 209	138 164 188	40 34 26
MARYSVILLE	36 32 28	Apr18 Apr11 Apr01	May03 Apr25 Apr15	May18 May09 Apr29	Sep17 Sep22 Oct03	Sep28 Oct06 Oct18	Oct08 Oct21 Nov03	167 179 201	147 164 186	127 148 171	44 38 30
MC DONALD	36 32 28	May01 Apr25 Apr05	May12 May05 May05	May23 May15 May05	Sep15 Sep24 Oct02	Sep29 Oct08 Oct17	Oct12 Oct23 Nov01	156 175 199	139 156 180	122 137 161	49 42 32
MCPHERSON	36 32 28	Apr12 Apr01 Mar24	Apr27 Apr15 Apr03	May12 Apr29 Apr13	Sep24 Oct04 Oct16	Oct07 Oct19 Oct30	Oct19 Nov03 Nov12	181 207 226	162 186 209	143 165 192	38 31 23
MEADE	36 32 28	Apr15 Apr01 Mar24	Apr28 Apr18 Apr05	May11 May05 Apr17	Sep21 Sep28 Oct14	Oct06 Oct15 Oct28	Oct21 Oct31 Nov11	181 200 226	160 179 205	139 158 185	42 35 28
MILFORD LAKE	36 32 28	Apr12 Mar30 Mar23	Apr27 Apr15 Apr03	May12 May01 Apr15	Sep21 Sep30 Oct12	Oct06 Oct17 Oct27	Oct21 Nov02 Nov11	184 209 224	161 184 206	138 158 188	41 35 27

MINNEAPOLIS	36 32 28	Apr14 Apr04 Mar24	Apr29 Apr18 Apr06	May14 May02 Apr18	Sep20 Oct02 Oct13	Oct03 Oct17 Oct26	Oct17 Nov01 Nov09	178 203 222	157 182 203	135 160 184	39 32 24
MOUND CITY	36 32 28	Apr14 Apr04 Mar23	May01 Apr20 Apr06	May17 May05 Apr21	Sep20 Sep27 Oct11	Oct04 Oct15 Oct29	Oct17 Nov02 Nov15	176 201 226	155 178 204	135 154 183	38 31 23
MOUND VALLEY 3 WSW	36 32 28	Apr12 Apr03 Mar22	Apr26 Apr15 Apr05	May11 Apr28 Apr19	Sep22 Sep29 Oct13	Oct06 Oct17 Oct30	Oct20 Nov03 Nov16	181 209 227	162 184 207	143 159 187	36 30 22
NESS CITY	36 32 28	Apr24 Apr10 Apr01	May07 Apr25 Apr15	May20 May09 Apr28	Sep15 Sep25 Oct05	Sep27 Oct10 Oct20	Oct10 Oct25 Nov05	158 187 205	143 167 188	127 147 171	46 39 31
NEWTON 2 SW	36 32 28	Apr12 Mar28 Mar21	Apr25 Apr13 Apr03	May07 Apr29 Apr15	Sep20 Oct05 Oct15	Oct06 Oct20 Nov01	Oct22 Nov05 Nov18	186 215 236	163 190 212	141 164 187	36 29 22
NORTON DAM	36 32 28	Apr26 Apr16 Apr05	May10 May02 Apr18	May24 May19 May01	Sep16 Sep20 Oct04	Sep28 Oct04 Oct17	Oct09 Oct19 Oct30	158 175 200	140 155 181	123 134 162	50 43 36
NORTON 9 SSE (HILL CITY)	36 32 28	Apr26 Apr13 Apr03	May06 Apr28 Apr18	May16 May13 May02	Sep14 Sep23 Oct04	Sep29 Oct10 Oct19	Oct14 Oct27 Nov03	164 185 203	145 164 184	126 142 165	47 40 32
NORWICH	36 32 28	Apr05 Mar25 Mar15	Apr19 Apr06 Mar28	May03 Apr18 Apr11	Oct01 Oct16 Oct22	Oct18 Nov01 Nov09	Nov04 Nov17 Nov26	203 231 246	182 208 225	160 185 203	33 26 18
OAKLEY 4 W	36 32 28	Apr26 Apr11 Apr03	May10 Apr28 Apr18	May23 May15 May03	Sep15 Sep27 Oct03	Sep29 Oct11 Oct18	Oct12 Oct25 Nov03	159 186 203	141 165 183	124 145 162	47 41 32
OBERLIN	36 32 28	Apr28 Apr20 Apr07	May13 May03 Apr24	May28 May16 May10	Sep14 Sep16 Sep30	Sep26 Oct01 Oct14	Oct07 Oct16 Oct27	155 169 195	135 150 172	115 130 150	50 44 35
OLATHE 3 E	36 32 28	Apr10 Mar28 Mar22	Apr22 Apr09 Apr02	May04 Apr20 Apr14	Sep26 Oct15 Oct16	Oct10 Oct27 Nov04	Oct24 Nov09 Nov24	191 218 238	170 201 215	150 184 193	35 28 20
OSKALOOSA 4 NE	36 32 28	Apr14 Mar29 Mar22	Apr27 Apr14 Apr06	May09 Apr30 Apr20	Sep23 Sep30 Oct14	Oct09 Oct15 Oct31	Oct25 Oct30 Nov16	185 204 230	165 183 207	144 163 184	37 30 23
OTTAWA	36 32 28	Apr12 Mar31 Mar19	Apr26 Apr13 Apr02	May10 Apr25 Apr16	Sep23 Sep30 Oct13	Oct07 Oct17 Nov01	Oct21 Nov04 Nov19	184 209 235	164 187 212	143 164 188	36 29 21
PAOLA	36 32 28	Apr14 Apr03 Mar22	Apr28 Apr17 Apr03	May13 May01 Apr15	Sep21 Sep27 Oct12	Oct04 Oct16 Oct29	Oct17 Nov03 Nov16	180 207 230	158 181 209	136 155 188	36 29 22
PARSONS 2 NW	36 32 28	Apr08 Mar29 Mar18	Apr21 Apr10 Mar31	May03 Apr22 Apr13	Sep24 Oct01 Oct14	Oct12 Oct20 Nov01	Oct30 Nov08 Nov20	197 216 236	173 192 215	150 168 193	34 27 20
PERRY LAKE	36 32 28	Apr17 Mar30 Mar22	Apr29 Apr14 Apr02	May10 Apr28 Apr14	Sep22 Sep29 Oct11	Oct05 Oct14 Oct29	Oct18 Oct30 Nov16	175 205 230	159 183 209	143 160 188	39 32 25
PLAINVILLE 4 WNW	36 32 28	Apr21 Apr11 Mar30	May05 Apr26 Apr13	May19 May11 Apr27	Sep16 Sep28 Oct09	Oct02 Oct13 Oct24	Oct18 Oct28 Nov08	173 189 214	149 169 194	125 149 174	45 39 31
POMONA LAKE	36 32 28	Apr09 Mar29 Mar22	Apr22 Apr10 Apr02	May05 Apr22 Apr13	Sep26 Oct08 Oct19	Oct12 Oct22 Nov03	Oct27 Nov05 Nov18	193 213 234	172 194 214	150 175 194	38 32 24
PRATT 4 W	36 32 28	Apr12 Apr02 Mar27	Apr27 Apr17 Apr09	May13 May03 Apr23	Sep18 Sep29 Oct11	Oct05 Oct14 Oct27	Oct22 Oct29 Nov12	185 202 224	160 179 200	135 155 177	39 33 24

QUINTER	36 32 28	Apr/24 Apr/11 Apr/01	May/06 Apr/25 Apr/12	May/17 May/09 Apr/22	Sep/18 Sep/24 Oct/10	Oct/02 Oct/11 Oct/24	Oct/16 Oct/28 Nov/07	167 191 209	149 168 194	131 145 180	47 40 31
RUSSELL 1 E	36 32 28	Apr/12 Apr/03 Mar/21	Apr/27 Apr/20 Apr/04	May/13 May/07 Apr/18	Sep/19 Sep/28 Oct/09	Oct/06 Oct/15 Oct/27	Oct/23 Nov/01 Nov/14	189 204 233	161 177 205	133 151 177	42 35 27
RUSSELL SPRINGS	36 32 28	Apr/27 Apr/14 Apr/03	May/12 May/03 Apr/22	May/27 May/22 May/12	Sep/13 Sep/17 Sep/29	Sep/24 Oct/01 Oct/12	Oct/04 Oct/16 Oct/25	149 176 196	134 150 173	118 125 149	49 43 35
SAINT FRANCIS	36 32 28	Apr/27 Apr/19 Apr/04	May/09 May/02 Apr/19	May/22 May/15 May/04	Sep/14 Sep/20 Sep/30	Sep/27 Oct/06 Oct/15	Oct/09 Oct/21 Oct/30	156 176 202	140 156 178	123 136 155	50 44 35
SALINA MUNICIPAL AP	36 32 28	Apr/13 Apr/02 Mar/23	Apr/27 Apr/15 Apr/03	May/10 Apr/28 Apr/13	Sep/24 Oct/03 Oct/17	Oct/08 Oct/19 Nov/01	Oct/21 Nov/04 Nov/15	185 206 231	163 186 211	141 167 191	38 31 23
SCOTT CITY	36 32 28	Apr/22 Apr/13 Mar/31	May/08 Apr/29 Apr/17	May/25 May/15 May/04	Sep/16 Sep/26 Oct/03	Oct/01 Oct/09 Oct/19	Oct/16 Oct/23 Nov/04	164 184 208	145 163 185	126 142 162	47 41 32
SEDAN	36 32 28	Apr/04 Mar/27 Mar/15	Apr/22 Apr/09 Mar/31	May/10 Apr/23 Apr/16	Sep/26 Oct/04 Oct/16	Oct/12 Oct/22 Nov/05	Oct/27 Nov/10 Nov/24	195 221 248	172 195 218	149 170 189	36 29 22
SHARON SPRINGS	36 32 28	Apr/28 Apr/18 Apr/07	May/10 May/02 Apr/20	May/23 May/16 May/04	Sep/16 Sep/24 Oct/04	Sep/29 Oct/09 Oct/19	Oct/12 Oct/23 Nov/03	159 180 201	141 159 181	123 138 161	47 39 31
SMITH CENTER	36 32 28	Apr/21 Apr/07 Mar/27	May/02 Apr/22 Apr/08	May/13 May/06 Apr/21	Sep/16 Sep/27 Oct/03	Sep/30 Oct/11 Oct/19	Oct/13 Oct/26 Nov/04	166 195 217	150 172 193	133 149 169	42 36 28
STERLING	36 32 28	Apr/12 Mar/31 Mar/23	Apr/25 Apr/13 Apr/03	May/08 Apr/26 Apr/14	Sep/25 Oct/05 Oct/19	Oct/09 Oct/20 Nov/04	Oct/24 Nov/05 Nov/20	187 213 237	167 190 215	146 167 193	39 32 24
SUBLETTE	36 32 28	Apr/19 Apr/06 Mar/29	May/02 Apr/22 Apr/11	May/14 May/07 Apr/25	Sep/21 Sep/28 Oct/13	Oct/06 Oct/14 Oct/27	Oct/20 Oct/30 Nov/09	175 197 214	156 174 197	137 152 180	44 37 29
SYRACUSE	36 32 28	Apr/28 Apr/20 Apr/08	May/10 May/02 Apr/21	May/23 May/14 May/04	Sep/15 Sep/20 Sep/27	Sep/27 Oct/04 Oct/12	Oct/09 Oct/18 Oct/27	157 173 191	139 154 173	121 135 155	49 42 35
TOPEKA BILLARD MNCPL AP	36 32 28	Apr/15 Apr/06 Mar/21	Apr/30 Apr/19 Apr/03	May/14 May/03 Apr/16	Sep/17 Sep/24 Oct/14	Oct/02 Oct/11 Oct/30	Oct/18 Oct/27 Nov/15	176 193 229	155 174 209	134 154 188	40 32 25
TRIBUNE 1 W	36 32 28	May/01 Apr/24 Apr/12	May/13 May/07 Apr/27	May/25 May/21 May/12	Sep/14 Sep/19 Sep/30	Sep/26 Oct/04 Oct/13	Oct/07 Oct/19 Oct/27	150 167 189	135 148 168	119 130 148	51 45 37
TROY 3 N	36 32 28	Apr/14 Apr/04 Mar/24	Apr/26 Apr/15 Apr/05	May/08 Apr/27 Apr/18	Sep/19 Sep/24 Oct/12	Oct/01 Oct/12 Oct/26	Oct/14 Oct/29 Nov/09	173 200 219	158 179 203	142 157 187	39 32 24
TUTTLE CREEK LAKE	36 32 28	Apr/19 Apr/14 Mar/30	May/04 Apr/26 Apr/12	May/18 May/09 Apr/25	Sep/17 Sep/23 Oct/08	Sep/30 Oct/10 Oct/22	Oct/12 Oct/27 Nov/06	169 186 213	148 166 193	128 146 173	43 37 30
ULYSSES	36 32 28	Apr/24 Apr/11 Apr/03	May/05 Apr/25 Apr/14	May/16 May/09 Apr/25	Sep/18 Sep/22 Oct/03	Oct/02 Oct/08 Oct/20	Oct/16 Oct/24 Nov/07	166 185 209	149 165 189	132 145 168	47 41 33
WAKEENEY	36 32 28	Apr/19 Apr/07 Mar/30	May/02 Apr/21 Apr/12	May/15 May/06 Apr/25	Sep/19 Sep/26 Oct/11	Oct/03 Oct/12 Oct/25	Oct/17 Oct/28 Nov/09	174 194 216	153 173 196	131 151 176	45 38 30
WAMEGO	36 32 28	Apr/14 Apr/06 Mar/23	Apr/30 Apr/19 Apr/06	May/15 May/01 Apr/20	Sep/17 Sep/27 Oct/08	Oct/04 Oct/15 Oct/27	Oct/20 Nov/01 Nov/14	181 200 228	156 178 203	131 156 177	38 32 24

WASHINGTON	36 32 28	Apr17 Apr09 Mar27	May02 Apr23 Apr10	May17 May08 Apr24	Sep18 Sep25 Oct10	Sep29 Oct11 Oct24	Oct11 Oct26 Nov07	169 187 215	150 169 196	130 151 177	41 35 27
WEBSTER DAM	36 32 28	Apr26 Apr09 Apr03	May06 Apr25 Apr15	May17 May10 Apr27	Sep14 Sep18 Oct02	Sep27 Oct06 Oct19	Oct10 Oct25 Nov04	161 189 208	143 164 186	125 139 164	47 41 34
WELLINGTON	36 32 28	Apr11 Mar30 Mar21	Apr25 Apr11 Apr01	May08 Apr24 Apr13	Sep21 Oct05 Oct18	Oct08 Oct22 Nov04	Oct24 Nov08 Nov20	188 216 237	165 193 216	143 169 195	37 31 23
WICHITA MID-CONTINENT AP	36 32 28	Apr11 Mar29 Mar19	Apr25 Apr12 Mar30	May08 Apr26 Apr11	Sep28 Oct08 Oct21	Oct13 Oct26 Nov07	Oct28 Nov14 Nov24	189 222 243	171 196 221	153 170 198	36 29 22
WILSON LAKE	36 32 28	Apr19 Apr08 Mar29	May01 Apr21 Apr11	May13 May05 Apr24	Sep18 Sep28 Oct07	Oct04 Oct15 Oct25	Oct20 Nov01 Nov12	172 197 219	156 176 196	139 155 172	42 35 27
WINFIELD NO. 1	36 32 28	Apr10 Apr02 Mar19	Apr26 Apr14 Apr01	May12 Apr26 Apr14	Sep23 Oct01 Oct15	Oct08 Oct19 Nov04	Oct22 Nov07 Nov23	185 209 240	164 188 216	143 167 192	35 28 21
WINONA	36 32 28	Apr27 Apr16 Apr06	May08 May01 Apr18	May19 May16 May01	Sep19 Sep24 Oct08	Oct01 Oct10 Oct22	Oct12 Oct26 Nov05	163 183 203	145 161 186	127 139 169	48 41 33
YATES CENTER	36 32 28	Apr07 Mar27 Mar17	Apr20 Apr08 Mar30	May04 Apr21 Apr12	Sep28 Oct12 Oct20	Oct13 Oct27 Nov05	Oct28 Nov11 Nov22	197 219 242	175 201 220	153 183 198	35 28 20

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 (Aug 1 - Jul 31).  
(percent of days with temperatures at or below the threshold temperature)

Freeze / Frost Occurrence Data

All probabilities in whole percent. See notes for probability level description.  
- Indicates the probability of occurrence of threshold temperatureis less than indicated probability.

State And Station Name	Thresh hold (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			Prob o b a b i l i t y  (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
Kentucky											
ASHLAND	36 32 28	Apr22 Apr16 Apr02	May14 May04 Apr21	Jun05 May21 May10	Sep12 Sep28 Oct06	Sep30 Oct13 Oct23	Oct18 Oct27 Nov09	167 185 211	139 161 184	111 137 158	45 38 30
BARBOURVILLE	36 32 28	Apr20 Apr09 Mar24	May03 Apr24 Apr06	May17 May08 Apr19	Sep26 Oct09 Oct12	Oct10 Oct22 Oct31	Oct24 Nov04 Nov19	179 199 228	159 181 208	139 163 187	38 30 22
BARDSTOWN 5 E	36 32 28	Apr12 Apr03 Mar22	May01 Apr20 Apr05	May19 May06 Apr20	Sep24 Oct03 Oct11	Oct06 Oct16 Oct27	Oct18 Oct29 Nov12	178 201 223	158 179 204	138 157 186	33 26 18
BARDWELL 2 E	36 32 28	Apr03 Mar27 Mar15	Apr19 Apr09 Mar30	May05 Apr21 Apr14	Sep30 Oct03 Oct22	Oct10 Oct19 Nov08	Oct21 Nov04 Nov25	192 211 245	174 192 222	156 174 199	30 23 16
BARREN RIVER LAKE	36 32 28	Apr11 Mar31 Mar21	Apr29 Apr15 Apr04	May17 Apr29 Apr18	Sep29 Oct05 Oct21	Oct12 Oct21 Nov07	Oct24 Nov05 Nov23	186 207 239	165 188 215	144 169 192	33 26 18
BAXTER	36 32 28	Apr14 Apr07 Mar22	May02 Apr21 Apr07	May19 May06 Apr23	Oct01 Oct09 Oct23	Oct15 Oct23 Nov06	Oct29 Nov05 Nov20	187 203 234	165 184 212	144 164 190	37 30 21
BEAVER DAM	36 32 28	Apr13 Apr01 Mar24	Apr28 Apr14 Apr06	May12 Apr28 Apr19	Sep21 Oct03 Oct12	Oct05 Oct19 Oct28	Oct20 Nov05 Nov12	177 206 224	160 187 204	143 168 185	31 24 17
BEREA COLLEGE	36 32 28	Apr15 Mar29 Mar23	Apr28 Apr13 Apr04	May12 Apr29 Apr16	Sep29 Oct06 Oct16	Oct14 Oct24 Nov03	Oct28 Nov12 Nov20	190 219 233	168 193 212	146 168 190	30 23 16
BERNHHEIM FOREST	36 32 28	Apr16 Apr06 Mar28	May03 Apr24 Apr10	May20 May12 Apr23	Sep24 Oct02 Oct12	Oct06 Oct16 Oct27	Oct18 Oct31 Nov11	175 199 220	155 174 199	135 150 179	33 27 19
BOWLING GREEN FAA AP	36 32 28	Apr05 Mar26 Mar19	Apr22 Apr11 Apr01	May08 Apr26 Apr14	Oct01 Oct08 Oct21	Oct12 Oct23 Nov05	Oct24 Nov07 Nov21	191 214 238	173 195 218	155 175 197	31 24 17
BRADFORDSVILLE	36 32 28	Apr22 Apr07 Mar28	May06 Apr24 Apr10	May19 May10 Apr23	Sep26 Sep30 Oct10	Oct06 Oct14 Oct25	Oct16 Oct29 Nov09	170 195 215	153 173 197	136 150 180	38 31 23
CARROLLTON LOCK 1	36 32 28	Apr18 Apr06 Mar24	May01 Apr20 Apr06	May14 May04 Apr18	Sep30 Oct08 Oct16	Oct12 Oct20 Oct30	Oct24 Nov01 Nov14	180 201 227	163 182 207	147 163 187	35 27 20
CINCINNATI COVINGTON AP	36 32 28	Apr17 Apr04 Mar26	May01 Apr20 Apr07	May15 May06 Apr18	Sep25 Oct05 Oct14	Oct07 Oct17 Oct30	Oct20 Oct30 Nov15	177 199 224	159 180 206	141 161 187	37 29 22
CYNTHIANA	36 32 28	Apr19 Apr07 Mar24	May04 Apr22 Apr08	May18 May08 Apr23	Sep24 Oct06 Oct10	Oct06 Oct19 Oct28	Oct17 Oct31 Nov15	173 200 227	154 179 202	136 157 178	40 32 24

DANVILLE	36 32 28	Apr'10 Mar'30 Mar'17	Apr'25 Apr'12 Apr'01	May'10 Apr'26 Apr'16		Oct'03 Oct'13 Oct'23	Oct'17 Oct'27 Nov'06	Oct'30 Nov'10 Nov'21	196 215 239	174 197 218	152 179 197	34 27 19
DIX DAM	36 32 28	Apr'08 Mar'29 Mar'21	Apr'25 Apr'11 Apr'03	May'13 Apr'25 Apr'16		Sep'30 Oct'12 Oct'24	Oct'13 Oct'28 Nov'08	Oct'25 Nov'14 Nov'22	192 221 236	169 199 218	147 177 200	31 23 16
FARMERS 2 S	36 32 28	Apr'22 Apr'08 Mar'29	May'06 Apr'24 Apr'13	May'20 May'10 Apr'28		Sep'19 Sep'30 Oct'08	Oct'04 Oct'16 Oct'28	Oct'19 Oct'31 Nov'17	171 199 221	150 174 197	129 148 173	38 30 22
FRANKFORT LOCK 4	36 32 28	Apr'18 Apr'05 Mar'26	May'02 Apr'19 Apr'07	May'16 May'03 Apr'20		Sep'25 Oct'06 Oct'18	Oct'09 Oct'20 Nov'03	Oct'24 Nov'03 Nov'18	181 203 230	160 183 209	138 164 187	39 32 24
GILBERTSVILLE KY DAM	36 32 28	Mar'30 Mar'21 Mar'08	Apr'13 Apr'03 Mar'24	Apr'27 Apr'17 Apr'08		Oct'02 Oct'16 Oct'29	Oct'18 Nov'01 Nov'14	Nov'04 Nov'16 Nov'30	210 229 258	187 211 235	165 192 212	27 19 13
GLASGOW	36 32 28	Apr'12 Apr'04 Mar'22	Apr'29 Apr'16 Apr'04	May'16 Apr'28 Apr'18		Sep'28 Oct'06 Oct'15	Oct'09 Oct'21 Oct'27	Oct'20 Nov'05 Nov'08	181 206 217	162 188 205	143 169 192	30 23 17
GOLDEN POND 8 N	36 32 28	Apr'04 Mar'26 Mar'14	Apr'17 Apr'06 Mar'29	Apr'30 Apr'18 Apr'13		Oct'01 Oct'11 Oct'29	Oct'15 Oct'26 Nov'11	Oct'30 Nov'10 Nov'25	199 219 249	180 202 227	162 184 205	31 24 17
GRAYSON 3 SW	36 32 28	Apr'30 Apr'18 Apr'05	May'14 May'02 Apr'19	May'28 May'17 May'04		Sep'14 Sep'28 Oct'05	Sep'28 Oct'08 Oct'21	Oct'11 Oct'18 Nov'07	154 177 211	136 158 184	118 138 158	45 37 29
GREENSBURG	36 32 28	Apr'14 Apr'03 Mar'24	May'01 Apr'18 Apr'05	May'18 May'02 Apr'17		Sep'27 Oct'06 Oct'19	Oct'09 Oct'20 Nov'03	Oct'21 Nov'03 Nov'19	178 205 233	160 184 211	143 164 190	36 29 21
HEIDELBERG	36 32 28	Apr'19 Apr'12 Mar'27	May'04 Apr'27 Apr'11	May'18 May'12 Apr'26		Sep'30 Oct'04 Oct'14	Oct'08 Oct'16 Oct'29	Oct'17 Oct'27 Nov'14	175 190 223	157 171 201	138 152 179	39 32 23
HENDERSON 7 SSW	36 32 28	Apr'06 Mar'29 Mar'16	Apr'21 Apr'09 Mar'31	May'06 Apr'20 Apr'15		Sep'28 Oct'07 Oct'17	Oct'11 Oct'24 Nov'03	Oct'23 Nov'10 Nov'19	189 215 239	171 197 216	154 180 193	31 23 16
HODGENVILLE-LINCOLN NP	36 32 28	Apr'13 Apr'03 Mar'24	May'02 Apr'18 Apr'06	May'20 May'02 Apr'18		Sep'26 Oct'06 Oct'13	Oct'09 Oct'20 Oct'29	Oct'21 Nov'03 Nov'14	182 204 224	159 184 206	137 165 187	32 25 18
HOPKINSVILLE	36 32 28	Apr'04 Mar'29 Mar'17	Apr'20 Apr'10 Mar'31	May'05 Apr'22 Apr'14		Sep'30 Oct'04 Oct'23	Oct'13 Oct'21 Nov'08	Oct'26 Nov'06 Nov'24	195 211 243	176 193 222	157 174 201	33 26 19
HYDEN	36 32 28	Apr'22 Apr'09 Mar'26	May'06 Apr'26 Apr'11	May'19 May'12 Apr'26		Sep'28 Oct'04 Oct'12	Oct'09 Oct'17 Oct'30	Oct'21 Oct'30 Nov'16	175 196 225	156 174 201	136 152 178	39 32 23
JAMESTOWN WWTP	36 32 28	Apr'14 Apr'01 Mar'16	May'01 Apr'15 Apr'03	May'18 Apr'28 Apr'20		Sep'30 Oct'09 Oct'18	Oct'11 Oct'24 Nov'03	Oct'21 Nov'08 Nov'20	181 211 239	162 191 214	143 172 189	33 26 18
LEITCHFIELD 2 N	36 32 28	Apr'19 Apr'07 Mar'28	May'01 Apr'22 Apr'07	May'14 May'06 Apr'18		Sep'24 Oct'03 Oct'12	Oct'07 Oct'17 Oct'27	Oct'20 Oct'30 Nov'11	175 198 218	158 177 202	140 156 185	35 28 20
LEXINGTON BLUE GRASS AP	36 32 28	Apr'15 Apr'02 Mar'19	Apr'28 Apr'15 Apr'03	May'10 Apr'28 Apr'18		Sep'30 Oct'10 Oct'19	Oct'12 Oct'25 Nov'04	Oct'24 Nov'09 Nov'20	182 211 235	167 192 214	152 173 192	33 25 18
LONDON CORBIN AP	36 32 28	Apr'17 Apr'01 Mar'21	May'02 Apr'19 Apr'05	May'17 May'07 Apr'19		Sep'28 Oct'01 Oct'13	Oct'09 Oct'16 Oct'29	Oct'19 Oct'30 Nov'13	179 199 227	159 179 207	138 159 186	33 25 18
LOUISVILLE STANDIFORD AP	36 32 28	Apr'05 Mar'26 Mar'10	Apr'19 Apr'08 Mar'27	May'02 Apr'21 Apr'12		Oct'06 Oct'15 Oct'29	Oct'18 Oct'30 Nov'14	Oct'31 Nov'15 Nov'29	200 227 254	182 205 231	164 182 208	30 23 16

LOVELACEVILLE	36 32 28	Apr09 Mar27 Mar20	Apr23 Apr12 Apr02	May08 Apr28 Apr15	Sep28 Oct03 Oct11	Oct08 Oct17 Oct29	Oct19 Oct30 Nov16	184 207 231	167 187 209	151 166 187	32 25 18
MADISONVILLE	36 32 28	Apr07 Mar31 Mar17	Apr22 Apr12 Mar31	May08 Apr24 Apr14	Sep27 Oct06 Oct17	Oct10 Oct21 Nov03	Oct23 Nov04 Nov20	187 210 239	170 191 217	152 172 194	30 24 17
MAMMOTH CAVE	36 32 28	Apr16 Apr07 Mar24	May04 Apr24 Apr07	May22 May10 Apr22	Sep24 Oct01 Oct10	Oct04 Oct15 Oct27	Oct15 Oct28 Nov13	175 192 225	153 173 202	131 154 179	32 25 18
MANCHESTER 4 W	36 32 28	Apr18 Apr12 Mar31	May06 Apr29 Apr16	May23 May17 May01	Sep15 Sep25 Oct05	Oct01 Oct11 Oct24	Oct16 Oct26 Nov13	171 189 219	147 163 191	123 138 162	39 32 23
MAYFIELD RADIO WNGO	36 32 28	Apr06 Apr01 Mar20	Apr24 Apr13 Apr02	May12 Apr25 Apr14	Sep29 Oct07 Oct22	Oct11 Oct21 Nov06	Oct23 Nov04 Nov20	192 207 234	169 191 217	146 174 201	30 23 16
MAYSVILLE SEWAGE PLANT	36 32 28	Apr19 Apr08 Mar27	May02 Apr23 Apr09	May15 May07 Apr22	Sep26 Oct07 Oct19	Oct10 Oct20 Nov03	Oct23 Nov03 Nov17	177 202 228	160 180 207	142 158 186	40 32 24
MONTICELLO 3 NE	36 32 28	Apr16 Apr05 Mar26	May02 Apr20 Apr08	May17 May06 Apr20	Sep27 Oct03 Oct11	Oct08 Oct20 Oct29	Oct20 Nov06 Nov16	176 205 227	159 182 204	142 159 181	34 27 20
MOUNT STERLING	36 32 28	Apr16 Apr05 Mar21	Apr30 Apr20 Apr05	May14 May05 Apr20	Sep26 Oct09 Oct16	Oct10 Oct23 Nov03	Oct25 Nov07 Nov20	186 209 234	163 186 211	140 162 188	34 27 19
MOUNT VERNON	36 32 28	Apr18 Apr08 Mar26	May03 Apr24 Apr08	May19 May10 Apr21	Sep26 Oct03 Oct13	Oct07 Oct14 Oct29	Oct18 Oct25 Nov14	176 190 226	156 172 203	136 155 180	35 28 20
MURRAY	36 32 28	Apr02 Mar24 Mar08	Apr13 Apr05 Mar26	Apr24 Apr17 Apr14	Oct01 Oct10 Oct30	Oct14 Oct28 Nov12	Oct27 Nov15 Nov25	198 226 252	183 205 230	168 184 208	27 21 14
NOLIN RIVER LAKE	36 32 28	Apr19 Apr08 Mar27	May08 Apr26 Apr10	May26 May13 Apr24	Sep23 Sep29 Oct14	Oct05 Oct15 Oct30	Oct17 Oct31 Nov15	172 195 225	150 172 203	127 148 180	39 32 24
PADUCAH BARKLEY RGNL AP	36 32 28	Apr04 Mar24 Mar13	Apr19 Apr07 Mar29	May03 Apr21 Apr14	Sep29 Oct09 Oct20	Oct10 Oct25 Nov06	Oct22 Nov09 Nov22	187 222 243	174 200 221	161 177 199	31 23 16
PRINCETON 1 SE	36 32 28	Apr08 Mar31 Mar16	Apr24 Apr13 Apr01	May10 Apr25 Apr17	Sep28 Oct06 Oct14	Oct10 Oct21 Nov01	Oct22 Nov05 Nov18	185 209 236	168 191 213	152 173 191	29 22 16
ROCHESTER FERRY	36 32 28	Apr06 Mar30 Mar11	Apr22 Apr11 Mar28	May09 Apr24 Apr14	Sep27 Oct05 Oct19	Oct11 Oct22 Nov06	Oct25 Nov07 Nov24	192 211 247	171 193 222	150 174 197	35 28 19
ROUGH RIVER LAKE	36 32 28	Apr21 Apr08 Mar27	May07 Apr25 Apr09	May23 May11 Apr21	Sep18 Sep26 Oct08	Oct01 Oct11 Oct22	Oct14 Oct25 Nov06	167 189 215	146 168 196	125 148 177	40 33 25
RUSSELLVILLE	36 32 28	Apr09 Mar30 Mar15	Apr27 Apr13 Apr01	May16 Apr26 Apr17	Sep25 Oct06 Oct16	Oct09 Oct21 Nov01	Oct22 Nov05 Nov18	183 209 238	164 191 214	144 172 189	35 27 20
SCOTTSVILLE 3 SSW	36 32 28	Apr01 Mar29 Mar12	Apr15 Apr08 Mar29	Apr29 Apr19 Apr14	Oct03 Oct11 Oct28	Oct16 Oct28 Nov11	Oct28 Nov13 Nov24	199 219 247	183 202 226	167 184 206	26 20 14
SHELBYVILLE 1 E	36 32 28	Apr22 Apr14 Mar30	May10 Apr29 Apr14	May27 May14 Apr29	Sep14 Sep22 Oct03	Sep29 Oct08 Oct19	Oct15 Oct24 Nov05	165 187 213	142 161 188	119 136 163	43 35 28
SOMERSET 2 N	36 32 28	Apr22 Apr07 Mar27	May05 Apr22 Apr10	May18 May07 Apr25	Sep25 Oct02 Oct08	Oct06 Oct15 Oct26	Oct17 Oct28 Nov12	170 195 220	153 175 197	136 155 175	33 26 19



STEARNS 2 S	36	Apr22	May11	May31		Sep24	Oct04	Oct15		166	145	124	40
	32	Apr17	Apr29	May12		Sep29	Oct13	Oct27		186	166	146	33
	28	Mar27	Apr11	Apr27		Oct07	Oct25	Nov11		219	196	172	25
SUMMER SHADE	36	Apr16	May03	May19		Sep26	Oct08	Oct20		179	158	137	32
	32	Apr04	Apr20	May06		Oct04	Oct17	Oct30		199	180	160	26
	28	Mar26	Apr07	Apr19		Oct12	Oct29	Nov15		223	204	185	18
WARSAW MARKLAND DAM	36	Apr19	May03	May18		Sep25	Oct08	Oct21		174	157	140	40
	32	Apr11	Apr25	May09		Oct03	Oct17	Oct30		193	174	155	32
	28	Mar22	Apr09	Apr26		Oct12	Oct28	Nov13		223	202	180	24
WEST LIBERTY	36	Apr29	May16	Jun02		Sep15	Sep30	Oct15		164	136	109	46
	32	Apr18	May05	May22		Sep25	Oct07	Oct19		177	154	132	38
	28	Apr03	Apr21	May10		Oct03	Oct20	Nov06		212	181	150	30
WILLIAMSBURG	36	Apr19	May02	May15		Sep26	Oct10	Oct25		179	161	142	37
	32	Apr06	Apr22	May08		Oct05	Oct19	Nov03		203	180	158	29
	28	Mar26	Apr08	Apr21		Oct14	Oct31	Nov16		229	205	181	21
WILLIAMSTOWN 3 W	36	Apr16	Apr29	May13		Sep26	Oct11	Oct25		183	164	144	34
	32	Apr02	Apr14	Apr26		Oct06	Oct21	Nov04		209	189	168	27
	28	Mar23	Apr05	Apr18		Oct19	Nov03	Nov18		231	211	191	19

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 (Aug 1 - Jul 31).  
(percent of days with temperatures at or below the threshold temperature)

Freeze / Frost Occurrence Data

All probabilities in whole percent. See notes for probability level description.  
- Indicates the probability of occurrence of threshold temperatureis less than indicated probability.

State And Station Name	Thresh old (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			Prob abil ity  (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
Louisiana											
ALEXANDRIA INTL AP	36 32 28	Feb22 Feb04 Jan03	Mar16 Feb27 Feb06	Apr08 Mar23 Mar09	Oct27 Nov02 Nov26	Nov13 Nov24 Dec14	Nov30 Dec15 Jan03	272 301 >365	241 268 308	211 236 279	13 7 3
ALEXANDRIA ESLER AP	36 32 28	Feb18 Feb09 Jan20	Mar16 Mar06 Feb12	Apr12 Mar31 Mar08	Oct24 Oct31 Nov11	Nov11 Nov19 Dec10	Nov29 Dec09 Jan09	276 291 331	239 258 297	202 224 267	13 8 4
AMITE	36 32 28	Mar07 Feb23 Jan28	Mar26 Mar13 Feb19	Apr13 Apr01 Mar13	Oct16 Oct31 Nov15	Nov06 Nov17 Dec05	Nov27 Dec04 Dec25	256 276 314	224 248 288	193 221 262	14 9 4
ASHLAND	36 32 28	Mar30 Mar11 Feb20	Apr10 Mar28 Mar14	Apr20 Apr14 Apr05	Oct06 Oct17 Oct27	Oct23 Nov06 Nov17	Nov08 Nov26 Dec08	215 249 275	195 222 247	175 195 218	21 15 9
BASTROP	36 32 28	Mar15 Feb21 Jan29	Mar30 Mar14 Feb22	Apr14 Apr04 Mar18	Oct18 Oct30 Nov10	Nov02 Nov16 Nov28	Nov17 Dec03 Dec17	238 275 310	216 246 279	195 218 248	17 11 6
BATON ROUGE RYAN AP	36 32 28	Feb23 Feb05 Jan12	Mar13 Feb26 Feb08	Apr01 Mar19 Mar08	Oct27 Nov09 Nov21	Nov14 Nov29 Dec13	Dec02 Dec19 Jan04	270 303 344	245 275 306	220 248 271	10 6 2
BOGALUSA	36 32 28	Mar03 Feb10 Jan24	Mar21 Mar03 Feb16	Apr09 Mar24 Mar12	Oct25 Nov01 Nov17	Nov10 Nov20 Dec10	Nov25 Dec09 Jan02	258 290 331	232 261 296	207 232 262	14 9 4
BUNKIE	36 32 28	Feb22 Feb02 Jan04	Mar16 Feb25 Feb06	Apr06 Mar20 Mar08	Oct27 Nov02 Nov21	Nov14 Nov24 Dec20	Dec02 Dec17 Jan21	272 306 >365	243 272 309	213 237 281	12 7 3
BURAS	36 32 28	Jan16 - -	Feb20 Feb03 -	Mar26 Mar06 Feb23	Oct30 Nov17 Dec03	Dec22 Jan13 -	Feb13 - -	>365 >365 >365	300 >365 >365	234 258 291	5 3 1
CALHOUN RESEARCH STN	36 32 28	Mar21 Mar05 Feb09	Apr04 Mar24 Mar04	Apr18 Apr12 Mar27	Oct09 Oct23 Nov07	Oct26 Nov09 Nov22	Nov13 Nov25 Dec07	223 254 291	204 229 262	185 204 233	20 14 8
CARVILLE 2 SW	36 32 28	Feb11 Jan25 -	Mar05 Feb17 Jan26	Mar26 Mar12 Mar01	Nov05 Nov11 Dec03	Nov24 Dec02 Dec23	Dec12 Dec23 -	292 315 >365	263 287 329	234 259 290	8 5 2
COVINGTON 4 NNW	36 32 28	Mar11 Feb25 Feb05	Mar29 Mar16 Feb26	Apr15 Apr05 Mar19	Oct18 Oct30 Nov11	Nov04 Nov17 Dec03	Nov21 Dec04 Dec25	246 272 306	219 245 280	192 217 253	13 8 4
CROWLEY 2 NE	36 32 28	Feb17 Jan31 Jan05	Mar08 Feb24 Feb04	Mar28 Mar21 Mar05	Oct28 Nov08 Nov27	Nov14 Nov29 Dec15	Dec02 Dec20 Jan01	274 308 343	250 277 312	226 246 283	10 6 2
DE QUINCY	36 32 28	Feb13 Feb01 Jan03	Mar17 Mar01 Feb07	Apr18 Mar28 Mar15	Oct23 Nov01 Nov13	Nov10 Nov22 Dec06	Nov28 Dec12 Dec29	277 299 336	237 265 300	197 231 267	13 8 4

DE RIDDER	36 32 28	Feb26 Feb09 Jan16	Mar20 Mar04 Feb14	Apr11 Mar27 Mar15		Oct25 Nov01 Nov13	Nov10 Nov22 Dec07	Nov26 Dec12 Dec30	260 290 334	234 262 295	208 234 256	14 8 4
DONALDSONVILLE 4 SW	36 32 28	Feb11 Jan26 Dec15	Mar04 Feb20 Jan27	Mar24 Mar18 Mar01		Nov04 Nov20 Nov30	Nov22 Dec08 Dec25	Dec09 Dec26 Jan25	287 320 >365	262 290 326	238 260 295	9 4 2
ELIZABETH	36 32 28	Mar06 Feb14 Jan25	Mar25 Mar09 Feb19	Apr13 Apr01 Mar17		Oct22 Oct30 Nov08	Nov09 Nov18 Dec03	Nov27 Dec06 Dec28	253 280 319	228 253 286	203 225 252	15 10 4
FRANKLIN 3 NW	36 32 28	Feb08 Jan13 -	Mar05 Feb13 Jan26	Mar30 Mar16 Mar07		Nov04 Nov14 Nov24	Nov21 Dec06 Dec24	Dec08 Dec27 -	293 332 >365	261 293 326	228 258 289	7 4 1
GALLIANO	36 32 28	Feb06 Jan12 -	Mar01 Feb09 Jan21	Mar24 Mar09 Feb24		Nov08 Nov23 Dec08	Nov29 Dec14 Jan04	Dec19 Jan05 -	300 341 >365	272 306 >365	244 275 296	7 3 1
GRAND COTEAU	36 32 28	Feb25 Feb02 Jan18	Mar17 Feb25 Feb15	Apr07 Mar20 Mar15		Oct27 Nov03 Nov16	Nov13 Nov25 Dec07	Nov30 Dec16 Dec29	268 301 327	240 271 295	211 242 263	10 6 3
HACKBERRY 8 SSW	36 32 28	Jan24 Dec24 -	Feb21 Jan31 Jan18	Mar21 Mar06 Feb20		Nov12 Nov13 Dec11	Dec03 Dec18 Jan06	Dec23 Jan25 -	314 >365 >365	282 318 >365	253 272 305	5 3 1
HOMER 3 SSW	36 32 28	Mar21 Mar06 Feb12	Apr03 Mar24 Mar07	Apr16 Apr12 Mar29		Oct17 Oct25 Nov02	Nov02 Nov11 Nov21	Nov19 Nov28 Dec11	231 257 293	213 231 259	194 204 225	21 14 8
HOUMA	36 32 28	Feb12 Jan18 -	Mar04 Feb15 Jan30	Mar24 Mar15 Feb27		Nov04 Nov16 Nov30	Nov23 Dec09 Dec25	Dec12 Dec31 -	290 331 >365	263 296 327	236 261 295	7 4 1
JEANERETTE 5 NW	36 32 28	Jan26 Jan05 -	Feb25 Feb08 Jan28	Mar27 Mar14 Mar02		Nov01 Nov15 Nov27	Nov19 Dec06 Dec28	Dec07 Dec28 -	302 342 >365	267 299 332	231 261 289	9 5 2
JENNINGS	36 32 28	Feb11 Jan19 -	Mar06 Feb19 Feb02	Mar29 Mar22 Mar06		Oct30 Nov10 Nov23	Nov17 Dec03 Dec26	Dec05 Dec26 -	286 320 >365	256 285 323	226 253 285	10 5 2
LA FAYETTE REG AP	36 32 28	Feb09 Jan22 -	Mar04 Feb18 Jan27	Mar27 Mar17 Mar02		Nov01 Nov13 Nov26	Nov17 Dec03 Dec27	Dec02 Dec22 -	283 318 >365	257 287 330	230 256 290	8 4 2
LAKE ARTHUR 10 SW	36 32 28	Feb08 Jan16 -	Mar02 Feb14 Jan28	Mar24 Mar11 Feb28		Nov05 Nov15 Nov25	Nov21 Dec10 Dec30	Dec07 Jan06 -	292 347 >365	263 298 332	234 260 294	8 4 1
LAKE CHARLES AP	36 32 28	Feb07 Jan24 -	Mar04 Feb19 Jan27	Mar29 Mar16 Mar02		Oct31 Nov09 Nov27	Nov19 Dec03 Dec23	Dec07 Dec26 -	290 320 >365	259 286 329	228 253 290	8 4 1
LAKE PROVIDENCE	36 32 28	Feb28 Feb10 Jan21	Mar19 Mar04 Feb14	Apr06 Mar27 Mar09		Oct26 Nov02 Nov12	Nov09 Nov20 Dec07	Nov23 Dec09 Jan01	258 290 327	235 260 293	211 230 261	16 10 5
LEESVILLE	36 32 28	Mar15 Feb27 Feb02	Mar31 Mar19 Feb25	Apr16 Apr08 Mar19		Oct15 Oct26 Nov03	Nov02 Nov12 Nov26	Nov21 Nov29 Dec18	242 262 303	216 237 274	189 212 244	17 11 6
LSU BEN HUR FARM	36 32 28	Feb26 Feb08 Jan20	Mar17 Mar02 Feb15	Apr05 Mar23 Mar13		Oct25 Nov03 Nov20	Nov11 Nov21 Dec09	Nov29 Dec10 Dec29	265 295 324	239 264 296	212 233 268	12 7 3
MANSFIELD	36 32 28	Mar18 Feb26 Jan31	Apr01 Mar18 Feb27	Apr15 Apr08 Mar25		Oct20 Oct29 Nov03	Nov05 Nov17 Dec02	Nov21 Dec05 Dec31	240 271 316	218 242 278	195 214 239	20 10 5
MANY	36 32 28	Mar23 Mar07 Feb18	Apr05 Mar25 Mar10	Apr19 Apr12 Mar30		Oct07 Oct21 Oct31	Oct22 Nov08 Nov19	Nov05 Nov26 Dec08	219 255 283	199 228 253	179 200 224	20 14 8

MINDEN	36 32 28	Mar21 Mar04 Feb11	Apr02 Mar22 Mar04	Apr15 Apr09 Mar25	Oct17 Oct27 Nov08	Nov02 Nov12 Nov29	Nov17 Nov29 Dec20	235 262 300	213 235 269	191 207 239	21 14 8
MONROE RGNL AP	36 32 28	Mar07 Feb13 Jan28	Mar24 Mar03 Feb17	Apr09 Mar21 Mar10	Oct14 Oct29 Nov11	Nov02 Nov15 Nov29	Nov21 Dec01 Dec16	245 282 313	223 256 284	200 230 254	16 10 5
MORGAN CITY	36 32 28	Feb01 - -	Feb27 Feb01 Jan15	Mar24 Mar03 Feb22	Nov17 Nov28 Dec10	Dec06 Dec19 Jan16	Dec25 - -	310 >365 >365	281 320 >365	252 283 304	6 3 1
NATCHITOCHEES	36 32 28	Mar02 Feb11 Jan24	Mar21 Mar05 Feb18	Apr09 Mar27 Mar16	Oct26 Nov03 Nov19	Nov11 Nov20 Dec09	Nov27 Dec06 Dec28	260 290 320	234 259 293	209 228 265	16 10 5
NEW IBERIA	36 32 28	Feb13 Jan17 -	Mar07 Feb17 Feb01	Mar29 Mar21 Mar04	Oct31 Nov09 Nov22	Nov17 Dec04 Dec27	Dec03 Dec28 -	281 326 >365	254 287 324	227 252 285	9 4 2
NEW ORLEANS INTL AP	36 32 28	Feb07 Jan14 -	Mar03 Feb12 Jan28	Mar27 Mar13 Feb24	Nov04 Nov19 Nov30	Nov27 Dec11 Dec31	Dec20 Jan01 -	301 340 >365	268 300 341	235 264 293	7 3 1
NEW ORLEANS AUDUBON	36 32 28	Jan28 - -	Feb20 Jan30 Jan01	Mar15 Feb28 Feb06	Nov23 Dec03 Dec20	Dec12 Jan01 Jan19	Jan01 - -	325 >365 >365	295 331 >365	264 294 325	4 2 0
NEW ROADS 5 ESE	36 32 28	Feb20 Feb06 Jan09	Mar14 Feb27 Feb08	Apr05 Mar20 Mar10	Oct27 Nov03 Nov23	Nov15 Nov24 Dec11	Dec04 Dec15 Dec29	272 300 342	245 269 304	219 237 270	12 7 3
OBERLIN FIRE TOWER	36 32 28	Feb20 Feb01 Jan06	Mar15 Feb26 Feb07	Apr07 Mar24 Mar08	Oct29 Nov03 Nov21	Nov14 Nov26 Dec13	Nov29 Dec20 Jan07	271 304 352	243 272 308	214 241 273	11 6 3
OLLA	36 32 28	Mar08 Feb22 Jan28	Mar28 Mar18 Feb25	Apr17 Apr11 Mar23	Oct08 Oct22 Oct29	Oct31 Nov13 Nov22	Nov23 Dec05 Dec18	252 277 311	217 240 267	182 202 232	17 12 7
RESERVE	36 32 28	Feb10 Jan27 Jan03	Mar04 Feb21 Feb06	Mar27 Mar18 Mar04	Nov02 Nov21 Nov26	Nov23 Dec09 Dec26	Dec13 Dec27 Feb01	292 314 >365	263 290 319	234 265 285	9 5 2
ROCKEFELLER WL REFUGE	36 32 28	Feb02 Dec31 -	Feb28 Feb06 Jan27	Mar25 Mar11 Mar01	Nov07 Nov21 Dec07	Nov25 Dec11 Jan07	Dec13 Jan02 -	301 >365 >365	270 306 353	238 273 296	7 3 1
ROSEPINE RESEARCH STN	36 32 28	Mar11 Feb25 Feb02	Mar30 Mar14 Feb24	Apr19 Mar30 Mar18	Oct21 Oct29 Nov10	Nov06 Nov16 Dec01	Nov21 Dec04 Dec23	247 271 310	219 246 279	192 222 249	16 10 5
RUSTON LA TECH	36 32 28	Mar20 Mar01 Jan25	Apr03 Mar20 Feb26	Apr17 Apr08 Mar30	Oct17 Oct28 Nov04	Nov02 Nov13 Nov25	Nov19 Nov30 Dec15	236 265 300	213 237 268	189 209 238	19 13 7
ST BERNARD	36 32 28	Feb06 Jan18 -	Mar03 Feb13 Jan27	Mar27 Mar09 Feb25	Nov07 Nov18 Dec06	Dec01 Dec18 Jan02	Dec26 Jan20 -	302 >365 >365	273 303 340	244 271 293	6 3 1
ST JOSEPH 3 N	36 32 28	Mar03 Feb18 Jan24	Mar22 Mar08 Feb14	Apr10 Mar27 Mar07	Oct15 Oct31 Nov14	Nov04 Nov17 Dec04	Nov25 Dec05 Dec24	257 280 321	227 253 292	197 226 263	15 9 4
SHREVEPORT AP	36 32 28	Mar13 Feb17 Jan28	Mar30 Mar10 Feb22	Apr17 Mar31 Mar18	Oct23 Oct31 Nov14	Nov07 Nov18 Dec02	Nov21 Dec07 Dec21	245 282 312	221 252 283	197 223 254	16 10 5
SLIDELL	36 32 28	Feb25 Feb07 Jan09	Mar17 Mar01 Feb09	Apr05 Mar22 Mar12	Oct28 Nov05 Nov20	Nov13 Nov27 Dec19	Nov29 Dec19 Jan18	266 298 >365	241 271 306	216 244 275	11 6 3
TALLULAH	36 32 28	Mar10 Feb21 Feb01	Mar27 Mar13 Feb24	Apr13 Apr02 Mar20	Oct17 Oct28 Nov05	Nov04 Nov14 Nov26	Nov22 Dec01 Dec16	244 276 305	221 245 274	198 215 242	17 12 6

WINNFELD 2 W	36	Mar22	Apr04	Apr17		Oct06	Oct24	Nov10		224	202	181	18
	32	Mar02	Mar21	Apr09		Oct21	Nov09	Nov28		262	232	202	13
	28	Feb07	Mar02	Mar24		Oct28	Nov19	Dec10		294	261	229	7
WINNSBORO 5 SSE	36	Mar15	Mar29	Apr12		Oct11	Oct31	Nov20		238	215	192	17
	32	Feb24	Mar15	Apr03		Oct26	Nov13	Dec02		272	243	213	11
	28	Feb01	Feb22	Mar15		Nov02	Nov22	Dec12		302	272	242	6

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(percent of days with temperatures at or below the threshold temperature)

Freeze / Frost Occurrence Data

All probabilities in whole percent. See notes for probability level description.  
- Indicates the probability of occurrence of threshold temperatureis less than indicated probability.

State And Station Name	Thresh hold (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			Prob o b a b i l i t y L e v e l (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
Massachusetts											
AMHERST	36 32 28	May06 Apr26 Apr17	May23 May10 Apr28	Jun08 May24 May09	Sep01 Sep17 Sep27	Sep16 Sep28 Oct13	Oct01 Oct09 Oct29	140 155 186	116 140 167	91 125 148	50 42 34
BARRE FALLS DAM	36 32 28	May19 May04 Apr21	Jun08 May22 May07	Jun28 Jun08 May22	Aug25 Sep03 Sep15	Sep06 Sep17 Sep30	Sep18 Oct02 Oct14	115 141 165	89 118 145	64 95 125	56 49 40
BEDFORD	36 32 28	May02 Apr21 Apr04	May14 May01 Apr15	May26 May12 Apr26	Sep14 Sep25 Oct06	Sep24 Oct07 Oct19	Oct04 Oct19 Nov01	147 174 203	133 158 186	119 142 170	47 39 30
BIRCH HILL DAM	36 32 28	May21 May09 Apr22	Jun07 May26 May05	Jun25 Jun13 May19	Aug22 Aug31 Sep19	Sep05 Sep15 Sep30	Sep19 Sep30 Oct10	112 137 160	89 111 147	66 85 133	57 50 41
BLUE HILL OBS MILTON	36 32 28	Apr19 Apr13 Mar25	Apr30 Apr22 Apr08	May11 May01 Apr23	Sep25 Oct03 Oct18	Oct06 Oct19 Nov02	Oct17 Nov05 Nov17	173 201 231	158 180 207	143 159 183	42 34 26
BOSTON LOGAN INTL AP	36 32 28	Apr10 Mar24 Mar15	Apr20 Apr07 Mar27	May01 Apr21 Apr08	Oct09 Oct23 Nov07	Oct24 Nov07 Nov21	Nov09 Nov21 Dec04	203 234 258	187 213 238	170 193 217	35 26 19
BROCKTON	36 32 28	Apr30 Apr17 Apr02	May18 May01 Apr18	Jun05 May16 May04	Sep15 Sep21 Oct06	Sep26 Oct06 Oct21	Oct07 Oct20 Nov05	149 174 211	131 157 186	112 139 160	46 38 28
BUFFUMVILLE LAKE	36 32 28	May02 Apr24 Apr10	May18 May06 Apr23	Jun04 May18 May05	Sep10 Sep22 Oct03	Sep22 Oct03 Oct16	Oct03 Oct14 Oct29	145 165 195	126 149 176	107 133 157	51 44 35
EAST BRIMFIELD LAKE	36 32 28	May03 Apr23 Apr13	May17 May06 Apr23	May31 May18 May02	Sep15 Sep24 Oct03	Sep25 Oct07 Oct17	Oct05 Oct20 Oct30	146 169 193	130 154 176	114 138 159	51 43 34
EAST WAREHAM	36 32 28	Apr24 Apr15 Mar29	May07 Apr25 Apr11	May20 May05 Apr23	Sep26 Oct06 Oct22	Oct08 Oct21 Nov04	Oct20 Nov04 Nov16	170 194 227	153 178 206	136 162 186	42 34 24
EDGARTOWN	36 32 28	Apr25 Apr12 Mar22	May08 Apr27 Apr09	May21 May12 Apr26	Oct01 Oct11 Oct21	Oct14 Oct26 Nov05	Oct27 Nov09 Nov20	178 204 232	158 181 210	138 158 188	38 30 21
HAVERHILL	36 32 28	Apr27 Apr19 Apr04	May13 May03 Apr19	May30 May17 May04	Sep11 Sep23 Oct04	Sep27 Oct08 Oct20	Oct13 Oct23 Nov05	162 183 207	136 158 183	110 132 159	47 39 30
HINGHAM	36 32 28	May01 Apr16 Apr04	May13 Apr30 Apr15	May25 May15 Apr27	Sep20 Oct02 Oct13	Oct01 Oct15 Oct27	Oct11 Oct28 Nov10	154 187 211	140 167 194	127 146 176	42 33 25
HYANNIS	36 32 28	Apr20 Apr10 Mar22	May08 Apr24 Apr07	May25 May07 Apr23	Oct02 Oct09 Oct25	Oct11 Oct23 Nov07	Oct21 Nov06 Nov20	176 202 236	156 182 214	136 162 191	39 31 22

LAWRENCE	36 32 28	Apr17 Apr11 Mar25	May02 Apr22 Apr09	May18 May03 Apr24	Sep26 Oct03 Oct16	Oct05 Oct17 Nov01	Oct14 Oct30 Nov17	173 195 227	155 177 205	138 158 184	44 36 28
LOWELL	36 32 28	Apr23 Apr16 Apr09	May08 Apr28 Apr20	May23 May10 May01	Sep17 Sep24 Oct03	Sep27 Oct09 Oct21	Oct07 Oct24 Nov09	158 183 205	141 163 184	124 142 163	48 41 32
MIDDLETON	36 32 28	Apr30 Apr15 Apr02	May11 May01 Apr15	May23 May16 Apr28	Sep14 Sep29 Oct09	Sep25 Oct11 Oct23	Oct06 Oct23 Nov07	149 182 215	136 162 191	123 142 166	44 37 28
NEW BEDFORD	36 32 28	Apr10 Apr01 Mar15	Apr23 Apr13 Mar29	May06 Apr26 Apr12	Oct01 Oct11 Nov02	Oct17 Nov02 Nov17	Nov02 Nov23 Dec01	197 230 253	176 202 232	155 173 211	35 27 19
PLYMOUTH-KINGSTON	36 32 28	Apr28 Apr15 Apr02	May13 May04 Apr20	May27 May23 May08	Sep22 Oct02 Oct15	Oct04 Oct17 Nov01	Oct16 Nov01 Nov17	161 193 225	144 165 194	126 137 163	44 37 28
READING	36 32 28	May04 Apr22 Apr08	May16 May04 Apr21	May28 May17 May03	Sep16 Sep24 Oct07	Sep26 Oct08 Oct21	Oct06 Oct22 Nov04	147 173 204	133 156 183	118 138 161	48 40 31
ROCHESTER	36 32 28	Apr24 Apr09 Mar24	May09 Apr23 Apr09	May24 May07 Apr24	Sep22 Oct01 Oct15	Oct04 Oct15 Nov01	Oct17 Oct30 Nov17	165 196 232	148 175 205	130 153 179	42 35 26
SOUTHBRIIDGE 3 SW	36 32 28	May03 Apr21 Apr10	May15 May04 Apr20	May27 May17 May01	Sep17 Sep26 Oct06	Sep25 Oct09 Oct21	Oct04 Oct23 Nov05	146 177 202	132 157 183	118 138 164	50 42 33
TAUNTON	36 32 28	May01 Apr21 Apr09	May18 May05 Apr22	Jun05 May19 May04	Sep10 Sep21 Oct05	Sep22 Oct05 Oct20	Oct05 Oct20 Nov04	148 174 203	126 152 180	105 131 158	46 39 30
TULLY LAKE	36 32 28	May10 Apr28 Apr15	May24 May09 Apr26	Jun08 May20 May07	Sep07 Sep19 Oct01	Sep20 Sep28 Oct13	Oct03 Oct07 Oct25	138 154 185	118 141 170	98 128 155	54 47 37
WEST MEDWAY	36 32 28	May09 Apr28 Apr13	May25 May10 Apr27	Jun11 May22 May11	Aug29 Sep15 Sep26	Sep14 Sep25 Oct11	Sep30 Oct06 Oct27	133 153 189	111 138 167	89 122 144	51 44 35
WORCESTER RGNL AP	36 32 28	Apr24 Apr15 Apr03	May08 Apr26 Apr13	May22 May07 Apr23	Sep22 Sep29 Oct08	Oct02 Oct14 Oct25	Oct11 Oct29 Nov11	163 192 216	146 170 194	129 149 172	45 38 29

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(percent of days with temperatures at or below the threshold temperature)

Freeze / Frost Occurrence Data

All probabilities in whole percent. See notes for probability level description.  
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State And Station Name	Thresh hold (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			Prob o b a b i l i t y (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
Maryland											
ABERDEEN PHILLIPS FIELD	36 32 28	Apr09 Mar29 Mar16	Apr23 Apr11 Mar30	May07 Apr23 Apr13	Oct01 Oct13 Oct22	Oct14 Oct28 Nov08	Oct27 Nov13 Nov25	195 222 246	174 200 222	152 179 198	32 24 16
ANNAPOLIS POLICE BRKS	36 32 28	Apr05 Mar27 Mar15	Apr19 Apr06 Mar29	May03 Apr17 Apr12	Oct07 Oct13 Oct29	Oct23 Oct31 Nov13	Nov08 Nov18 Nov29	211 228 252	186 207 229	161 185 206	31 24 16
ASSATEAGUE	36 32 28	Apr01 Mar21 Mar05	Apr16 Apr05 Mar24	May01 Apr20 Apr12	Oct15 Oct20 Nov04	Oct29 Nov08 Nov24	Nov13 Nov26 Dec15	220 244 273	196 215 245	171 187 216	28 20 13
BALTIMORE-WASHINGTON AP	36 32 28	Apr10 Mar31 Mar17	Apr24 Apr11 Mar30	May08 Apr22 Apr12	Oct04 Oct17 Oct24	Oct17 Oct29 Nov10	Oct30 Nov11 Nov26	198 220 245	175 200 224	153 181 203	34 26 17
BELTSVILLE	36 32 28	Apr22 Apr05 Mar22	May04 Apr18 Apr05	May16 May01 Apr19	Sep30 Oct09 Oct16	Oct12 Oct22 Oct30	Oct25 Nov04 Nov14	178 208 230	161 186 208	144 164 185	37 29 21
CATOCTIN MOUNTAIN PARK	36 32 28	Apr20 Apr09 Mar31	May05 Apr22 Apr10	May19 May05 Apr20	Sep30 Oct11 Oct20	Oct13 Oct24 Nov03	Oct26 Nov06 Nov18	182 206 223	161 184 207	141 162 190	38 31 22
CHESTERTOWN	36 32 28	Apr08 Mar28 Mar11	Apr21 Apr07 Mar26	May04 Apr16 Apr10	Oct02 Oct14 Oct27	Oct16 Oct29 Nov13	Oct31 Nov14 Nov29	201 222 256	178 205 231	154 188 206	33 25 18
CLARKSVILLE 3 NNE	36 32 28	Apr23 Apr13 Mar29	May11 Apr30 Apr15	May28 May17 May01	Sep16 Sep27 Oct06	Oct02 Oct15 Oct25	Oct18 Nov01 Nov12	170 196 224	143 167 193	117 138 161	41 33 25
CONOWINGO DAM	36 32 28	Apr17 Apr03 Mar19	Apr28 Apr18 Apr03	May10 May03 Apr17	Oct01 Oct10 Oct22	Oct16 Oct25 Nov08	Oct31 Nov10 Nov24	192 214 243	170 190 218	148 165 193	38 31 22
DALECARLIA RESERVOIR	36 32 28	Apr12 Mar27 Mar15	Apr30 Apr15 Apr02	May19 May04 Apr20	Sep27 Oct06 Oct14	Oct12 Oct23 Nov03	Oct27 Nov08 Nov22	193 220 241	164 190 214	136 160 187	36 27 20
EMMITSBURG 2 SE	36 32 28	Apr28 Apr13 Apr06	May13 Apr29 Apr17	May29 May15 Apr28	Sep13 Sep29 Oct08	Sep29 Oct12 Oct25	Oct15 Oct26 Nov11	160 187 214	138 166 191	117 145 167	41 33 24
FREDERICK POLICE BRKS	36 32 28	Apr06 Mar29 Mar09	Apr22 Apr09 Mar28	May08 Apr19 Apr15	Oct01 Oct13 Oct29	Oct17 Oct30 Nov15	Nov01 Nov15 Dec01	202 223 256	177 203 231	152 183 207	32 25 16
GLENN DALE BELL STN	36 32 28	Apr25 Apr15 Apr01	May10 Apr29 Apr14	May26 May13 Apr27	Sep20 Oct01 Oct13	Oct03 Oct14 Oct26	Oct17 Oct28 Nov08	165 188 214	145 168 195	125 147 175	38 31 23
LAUREL 3 W	36 32 28	Apr06 Mar26 Mar14	Apr20 Apr08 Mar28	May04 Apr20 Apr10	Oct04 Oct11 Oct24	Oct20 Oct30 Nov13	Nov04 Nov18 Dec03	206 232 258	182 205 229	159 177 201	33 25 17



MILLINGTON 1 SE	36 32 28	Apr17 Apr02 Mar18	May03 Apr16 Apr04	May19 May01 Apr21	Sep27 Oct07 Oct14	Oct11 Oct21 Oct31	Oct25 Nov05 Nov17	183 211 238	160 188 209	137 164 180	37 29 21
NATIONAL ARBORETUM DC	36 32 28	Apr11 Mar28 Mar15	Apr24 Apr09 Mar28	May07 Apr20 Apr11	Sep30 Oct12 Oct19	Oct15 Oct26 Nov06	Oct29 Nov09 Nov25	192 221 246	173 200 222	154 179 198	34 26 18
OAKLAND 1 SE	36 32 28	May10 May01 Apr23	May31 May17 May04	Jun20 Jun03 May15	Sep02 Sep12 Sep27	Sep17 Sep25 Oct10	Oct02 Oct08 Oct24	137 146 177	108 130 159	80 114 141	48 41 32
PRINCESS ANNE	36 32 28	Apr22 Apr07 Mar22	May05 Apr23 Apr05	May19 May09 Apr19	Sep21 Oct02 Oct10	Oct05 Oct18 Oct30	Oct20 Nov03 Nov18	172 201 229	152 177 207	132 152 184	33 26 18
ROCKVILLE 1 NE	36 32 28	Apr07 Mar26 Mar17	Apr29 Apr16 Apr04	May21 May07 Apr23	Sep23 Oct03 Oct12	Oct10 Oct21 Nov01	Oct28 Nov09 Nov21	198 222 243	164 188 210	129 153 178	36 27 19
ROYAL OAK 2 SSW	36 32 28	Apr04 Mar22 Mar06	Apr16 Apr03 Mar20	Apr27 Apr15 Apr03	Oct06 Oct19 Nov02	Oct22 Nov05 Nov19	Nov06 Nov22 Dec05	207 237 265	188 215 243	169 194 221	28 20 13
SALISBURY	36 32 28	Apr06 Mar25 Mar06	Apr21 Apr05 Mar22	May06 Apr17 Apr06	Oct08 Oct14 Oct26	Oct21 Oct30 Nov14	Nov03 Nov15 Dec02	205 230 263	182 207 236	159 184 209	29 21 13
SALISBURY FAA ARPT	36 32 28	Apr15 Mar28 Mar14	Apr27 Apr11 Mar30	May10 Apr24 Apr14	Oct03 Oct12 Oct23	Oct15 Oct27 Nov09	Oct26 Nov10 Nov25	188 219 245	170 198 223	151 177 202	32 25 17
SAVAGE RIVER DAM	36 32 28	May02 Apr23 Apr05	May18 May04 Apr18	Jun03 May15 May02	Sep15 Sep26 Oct08	Sep27 Oct10 Oct23	Oct09 Oct24 Nov08	148 177 210	131 159 187	113 141 164	47 39 29
SNOW HILL 4 N	36 32 28	Apr20 Apr08 Mar21	May03 Apr19 Apr03	May15 Apr30 Apr15	Sep28 Oct08 Oct15	Oct09 Oct20 Oct31	Oct20 Nov02 Nov16	177 200 228	158 183 211	139 167 193	32 24 17
UPPER MARLBORO 3 NNW	36 32 28	Apr22 Apr01 Mar19	May04 Apr15 Apr03	May17 Apr29 Apr17	Sep24 Oct05 Oct15	Oct08 Oct20 Oct29	Oct22 Nov03 Nov12	175 212 232	156 187 209	136 162 186	38 30 22
VIENNA	36 32 28	Apr10 Mar25 Mar07	Apr21 Apr08 Mar26	May03 Apr23 Apr14	Oct01 Oct12 Oct21	Oct15 Oct30 Nov10	Oct29 Nov17 Nov30	197 227 260	176 204 228	156 182 196	30 22 15

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Freeze / Frost Occurrence Data

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State And Station Name		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	
Maine	(F)	90	50	10	10	50	90	10	50	90	Probability Level (4)
AUGUSTA AP	36 32 28	Apr23 Apr16 Apr01	May05 Apr27 Apr12	May18 May08 Apr24	Sep23 Sep28 Oct10	Oct03 Oct08 Oct27	Oct13 Oct19 Nov12	167 181 220	150 164 196	133 147 173	47 39 31
BANGOR INTL AP	36 32 28	May06 Apr18 Apr02	May20 May06 Apr21	Jun04 May23 May10	Sep15 Sep26 Oct05	Sep27 Oct07 Oct20	Oct09 Oct19 Nov04	148 177 209	129 154 181	109 131 153	51 43 35
BELFAST	36 32 28	May09 Apr27 Apr13	May22 May09 Apr24	Jun04 May22 May04	Sep12 Sep27 Oct04	Sep25 Oct06 Oct16	Oct08 Oct14 Oct29	146 164 193	126 149 175	106 133 157	51 43 34
BRASSUA DAM	36 32 28	May26 May14 May03	Jun09 May26 May15	Jun23 Jun06 May26	Aug25 Sep08 Sep22	Sep07 Sep22 Oct03	Sep21 Oct07 Oct15	107 134 158	90 119 141	72 104 124	61 54 46
BRIDGEWATER	36 32 28	May27 May11 May02	Jun15 May30 May17	Jul03 Jun17 May31	Aug10 Aug25 Sep13	Aug27 Sep09 Sep27	Sep13 Sep24 Oct11	102 129 149	73 102 132	44 74 116	60 53 44
BRIDGTON 3 NW	36 32 28	May09 May02 Apr16	May28 May15 Apr30	Jun16 May28 May13	Aug30 Sep11 Sep25	Sep13 Sep26 Oct07	Sep27 Oct11 Oct20	133 156 180	107 133 160	82 110 140	57 50 41
CARIBOU MUNICIPAL AP	36 32 28	May14 May03 Apr17	May29 May15 Apr30	Jun12 May27 May13	Aug31 Sep11 Sep25	Sep11 Sep22 Oct06	Sep22 Oct03 Oct16	124 141 173	104 130 158	85 118 143	58 50 41
CLAYTON LAKE	36 32 28	May28 May17 May04	Jun13 May31 May17	Jun30 Jun14 May30	Aug14 Aug30 Sep07	Aug27 Sep08 Sep22	Sep09 Sep18 Oct07	98 119 142	74 100 127	51 80 113	64 57 48
CORINNA	36 32 28	May15 May06 Apr22	May30 May18 May02	Jun13 May30 May13	Sep01 Sep10 Sep20	Sep13 Sep23 Oct03	Sep25 Oct06 Oct15	124 144 171	106 127 153	87 111 135	57 50 42
EAST HIRAM	36 32 28	May18 May09 Apr23	Jun04 May24 May05	Jun21 Jun08 May17	Aug23 Sep10 Sep21	Sep08 Sep20 Oct02	Sep23 Sep30 Oct13	120 138 166	95 119 149	69 100 133	59 52 43
EASTPORT	36 32 28	May04 Apr17 Apr03	May17 May01 Apr14	May30 May16 Apr26	Sep21 Oct06 Oct19	Oct03 Oct19 Nov02	Oct15 Nov01 Nov15	153 189 219	138 170 201	124 151 182	48 39 30
FARMINGTON	36 32 28	May27 May11 May01	Jun09 May27 May14	Jun22 Jun12 May28	Aug21 Sep03 Sep17	Sep04 Sep17 Sep29	Sep18 Sep30 Oct11	109 132 152	86 112 137	64 92 121	61 54 45
FORT KENT	36 32 28	May26 May16 Apr30	Jun10 May28 May12	Jun24 Jun09 May24	Aug25 Sep02 Sep17	Sep08 Sep16 Sep30	Sep22 Sep29 Oct14	110 128 160	89 110 140	68 92 121	62 55 46
GARDINER	36 32 28	May09 Apr28 Apr12	May20 May08 Apr22	May31 May18 May02	Sep14 Sep26 Oct03	Sep24 Oct05 Oct16	Oct05 Oct14 Oct29	142 164 193	127 149 176	111 135 160	52 45 37

GRAND LAKE STREAM	36 32 28	May15 May03 Apr21	May27 May16 May05	Jun09 May29 May19	Sep11 Sep19 Sep29	Sep19 Sep28 Oct09	Sep27 Oct08 Oct19	128 148 176	114 135 157	100 121 137	58 51 42
HOULTON INTL AP	36 32 28	May29 May18 May04	Jun17 Jun01 May16	Jul06 Jun15 May27	Aug19 Sep01 Sep17	Sep02 Sep15 Sep28	Sep15 Sep28 Oct10	102 125 150	76 105 135	50 85 120	60 53 44
JACKMAN	36 32 28	May22 May13 May02	Jun12 May31 May16	Jul02 Jun17 May30	Aug19 Sep05 Sep15	Sep02 Sep17 Sep29	Sep17 Sep30 Oct12	110 133 154	82 109 135	53 85 116	63 56 47
JONESBORO	36 32 28	May09 Apr27 Apr13	May26 May14 Apr26	Jun11 May30 May09	Sep10 Sep21 Sep29	Sep22 Oct03 Oct13	Oct05 Oct14 Oct26	138 160 188	119 141 169	99 123 149	53 46 37
LEWISTON	36 32 28	Apr27 Apr15 Apr03	May08 Apr26 Apr14	May20 May07 Apr24	Sep24 Oct01 Oct12	Oct04 Oct14 Oct29	Oct13 Oct27 Nov14	162 188 216	147 170 197	133 153 178	47 39 31
LONG FALLS DAM	36 32 28	May19 May06 May01	Jun07 May21 May10	Jun25 Jun05 May19	Aug29 Sep11 Sep25	Sep09 Sep22 Oct05	Sep21 Oct04 Oct15	114 143 161	94 123 147	73 103 132	60 53 44
MADISON	36 32 28	May14 May03 Apr16	May30 May14 Apr27	Jun15 May25 May07	Aug28 Sep16 Sep28	Sep14 Sep29 Oct12	Oct01 Oct11 Oct26	131 153 188	106 137 168	82 121 148	57 48 40
MIDDLE DAM	36 32 28	May19 May07 Apr26	Jun07 May24 May11	Jun26 Jun09 May26	Aug21 Sep11 Sep22	Sep08 Sep21 Oct04	Sep25 Oct01 Oct15	121 138 164	91 120 145	62 101 127	61 54 45
MILLINOCKET	36 32 28	May11 May02 Apr17	May25 May14 Apr27	Jun07 May25 May07	Sep09 Sep16 Sep30	Sep22 Sep29 Oct10	Oct04 Oct12 Oct20	141 155 179	120 138 166	98 121 152	56 49 40
NEWCASTLE	36 32 28	May02 Apr19 Apr07	May14 Apr30 Apr18	May26 May11 Apr29	Sep19 Sep27 Oct09	Sep30 Oct09 Oct24	Oct11 Oct21 Nov08	151 177 209	138 161 188	125 145 168	48 40 31
ORONO	36 32 28	May09 Apr25 Apr11	May23 May08 Apr24	Jun05 May21 May06	Sep05 Sep17 Sep30	Sep18 Sep30 Oct13	Sep30 Oct12 Oct26	136 163 192	117 144 172	98 125 152	54 46 37
PORTLAND INTL AP	36 32 28	May04 Apr19 Apr10	May14 May02 Apr20	May25 May15 May01	Sep18 Sep26 Oct07	Sep27 Oct06 Oct18	Oct06 Oct15 Oct30	147 171 196	135 156 180	124 141 165	49 41 32
PRESQUE ISLE	36 32 28	May18 May08 Apr22	Jun05 May21 May06	Jun22 Jun03 May20	Aug25 Sep08 Sep22	Sep07 Sep20 Oct03	Sep20 Oct03 Oct15	116 138 168	93 121 149	71 105 131	57 50 41
RANGELEY	36 32 28	May25 May15 May05	Jun11 May29 May17	Jun29 Jun12 May30	Aug24 Sep02 Sep23	Sep07 Sep17 Oct03	Sep22 Oct02 Oct13	112 132 153	88 110 138	63 88 122	62 56 47
RUMFORD 1 SSE	36 32 28	May08 Apr28 Apr10	May22 May10 Apr21	Jun05 May21 May03	Sep13 Sep23 Oct02	Sep23 Oct04 Oct15	Oct04 Oct14 Oct28	139 164 195	123 146 176	107 129 157	53 45 36
SANFORD 2 NNW	36 32 28	May10 Apr27 Apr15	May24 May10 Apr27	Jun08 May22 May09	Sep08 Sep21 Sep27	Sep19 Sep30 Oct10	Sep30 Oct09 Oct24	135 159 186	117 142 166	98 126 146	51 44 35
VAN BUREN 2	36 32 28	May25 May15 May04	Jun09 May30 May16	Jun23 Jun13 May29	Aug20 Sep02 Sep14	Sep06 Sep16 Sep29	Sep22 Sep29 Oct14	112 130 156	88 108 135	64 87 114	62 55 47
VANCEBORO 2	36 32 28	May23 May10 Apr23	Jun06 May25 May07	Jun20 Jun09 May21	Aug29 Sep12 Sep24	Sep11 Sep24 Oct04	Sep25 Oct05 Oct13	117 142 163	96 121 149	76 100 135	57 50 41
WATERVILLE TREATMENT PLT	36 32 28	May09 May01 Apr17	May24 May11 Apr28	Jun07 May21 May09	Sep09 Sep19 Oct02	Sep21 Oct01 Oct14	Oct03 Oct12 Oct25	138 159 185	120 142 168	101 126 150	53 46 37

WEST BUXTON 2 NNW	36	May15	May30	Jun14		Aug31	Sep12	Sep24		125	104	84	57
	32	May06	May17	May28		Sep08	Sep21	Oct04		143	126	109	50
WOODLAND	28	Apr25	May05	May15		Sep20	Oct02	Oct13		166	149	132	42
	36	May14	May26	Jun08		Sep02	Sep14	Sep26		130	110	90	56
	32	May01	May16	May31		Sep14	Sep28	Oct11		154	134	113	49
	28	Apr16	Apr30	May14		Sep28	Oct09	Oct19		181	162	142	40

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 (Aug 1 - Jul 31).  
(percent of days with temperatures at or below the threshold temperature)

Freeze / Frost Occurrence Data

All probabilities in whole percent. See notes for probability level description.  
- Indicates the probability of occurrence of threshold temperatureis less than indicated probability.

State And Station Name		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			
Michigan	(F)	36 32 28	90 50 10	Apr30 May04 Apr21	May17 May04 Apr21	Jun03 May18 May02	Sep11 Sep19 Sep30	Sep24 Oct04 Oct17	Oct07 Oct20 Nov04	148 174 201	129 153 178	111 131 156	48 41 32
ADRIAN 2 NNE		36 32 28	90 50 10	May08 Apr22 Apr13	May26 May10 Apr28	Jun13 May27 May14	Sep12 Sep20 Sep30	Sep23 Oct03 Oct17	Oct05 Oct17 Nov03	139 169 197	120 146 171	100 122 146	50 42 33
ALLEGAN 5 NE		36 32 28	90 50 10	May02 Apr23 Apr10	May19 May05 Apr24	Jun04 May18 May08	Sep12 Sep23 Oct05	Sep24 Oct06 Oct17	Oct06 Oct19 Nov06	146 172 204	128 153 179	109 135 154	50 44 34
ALMA		36 32 28	90 50 10	May18 May10 Apr28	Jun06 May24 May09	Jun24 Jun07 May20	Sep01 Sep12 Sep25	Sep15 Sep25 Oct09	Sep28 Oct07 Oct23	120 142 170	100 123 152	80 104 135	56 47 38
ALPENA COLLINS AP		36 32 28	90 50 10	May04 Apr20 Apr07	May19 May06 Apr20	Jun03 May23 May03	Sep14 Sep26 Oct09	Sep28 Oct12 Oct26	Oct12 Oct28 Nov12	154 185 209	131 158 188	108 132 168	50 42 33
ALPENA WASTEWATER PL		36 32 28	90 50 10	May04 Apr20 Apr07	May19 May06 Apr20	Jun03 May23 May03	Sep14 Sep26 Oct09	Sep28 Oct12 Oct26	Oct12 Oct28 Nov12	154 185 209	131 158 188	108 132 168	50 42 33
ANN ARBOR UNIV OF MICH		36 32 28	90 50 10	Apr25 Apr17 Apr06	May10 Apr28 Apr16	May26 May09 Apr27	Sep21 Sep30 Oct13	Oct05 Oct15 Oct28	Oct19 Oct30 Nov12	168 190 214	147 169 194	127 149 173	44 37 28
ATLANTA 5 WNW		36 32 28	90 50 10	May20 Apr29 Apr21	Jun10 May24 May11	Jul01 Jun18 Jun01	Aug20 Sep01 Sep20	Sep08 Sep20 Oct09	Sep27 Oct09 Oct29	124 155 182	89 118 150	54 81 118	57 49 40
BAD AXE		36 32 28	90 50 10	May08 Apr23 Apr12	May22 May06 Apr24	Jun06 May20 May06	Sep14 Sep27 Oct09	Sep27 Oct12 Oct27	Oct09 Oct26 Nov14	140 178 206	127 158 185	114 137 164	50 42 33
BALDWIN		36 32 28	90 50 10	May20 May08 Apr18	Jun11 May27 May09	Jul03 Jun14 May30	Aug17 Sep05 Sep21	Sep05 Sep20 Oct05	Sep25 Oct04 Oct20	121 135 171	86 115 148	50 96 125	56 48 40
BATTLE CREEK 5 NW		36 32 28	90 50 10	May06 Apr26 Apr10	May24 May13 Apr27	Jun11 May30 May13	Sep12 Sep20 Sep30	Sep22 Oct04 Oct20	Oct03 Oct19 Nov08	140 166 204	120 144 175	100 122 147	47 40 31
BENTON HARBOR AP		36 32 28	90 50 10	May01 Apr25 Apr07	May21 May13 Apr24	Jun10 May31 May12	Sep15 Sep21 Oct02	Sep30 Oct09 Oct24	Oct15 Oct27 Nov14	158 179 213	131 149 181	103 119 150	46 38 29
BERGLAND DAM		36 32 28	90 50 10	May26 May19 Apr30	Jun16 Jun04 May17	Jul07 Jun20 Jun03	Aug12 Sep04 Sep14	Aug31 Sep19 Sep28	Sep20 Oct04 Oct12	106 125 157	76 106 133	45 86 109	63 57 48
BIG RAPIDS WATERWORKS		36 32 28	90 50 10	May18 May01 Apr20	Jun01 May19 May02	Jun14 Jun06 May14	Aug29 Sep13 Sep25	Sep12 Sep25 Oct11	Sep26 Oct07 Oct26	120 147 181	103 128 161	86 110 141	54 46 37
BLOOMINGDALE		36 32 28	90 50 10	May10 Apr27 Apr15	May29 May13 Apr30	Jun16 May30 May14	Sep08 Sep23 Sep30	Sep19 Oct03 Oct18	Sep30 Oct14 Nov04	131 161 194	113 142 170	94 124 146	50 42 33

BOYNE FALLS	36 32 28	May23 May19 Apr30	Jun19 Jun02 May15	Jul15 Jun16 May30	Aug15 Sep03 Sep16	Sep03 Sep17 Oct05	Sep23 Oct02 Oct24	111 128 167	76 107 142	41 85 118	55 47 38
CADILLAC	36 32 28	May24 May17 Apr27	Jun21 Jun02 May15	Jul18 Jun19 Jun02	Aug11 Aug26 Sep14	Sep02 Sep12 Sep30	Sep25 Sep30 Oct16	112 129 160	73 101 137	34 74 114	58 50 41
CARO REGIONAL CENTER	36 32 28	May13 May01 Apr18	Jun01 May19 May02	Jun20 Jun06 May17	Sep01 Sep09 Sep26	Sep15 Sep25 Oct11	Sep29 Oct10 Oct27	127 153 181	105 128 161	83 104 142	50 42 32
CHAMPION VAN RIPER PRK	36 32 28	Jun16 May29 May19	Jul09 Jun24 Jun07	Aug01 Jul20 Jun25	Aug01 Aug10 Aug28	Aug17 Aug28 Sep13	Sep02 Sep16 Sep29	64 98 125	38 64 97	13 30 70	65 59 51
CHARLOTTE	36 32 28	May03 May20 Apr14	May24 May10 Apr28	Jun13 May30 May12	Sep03 Sep21 Oct03	Sep20 Oct03 Oct18	Oct06 Oct15 Nov02	143 168 196	118 146 172	94 124 148	50 43 34
CHEBOYGAN	36 32 28	May16 May03 Apr19	May29 May18 May03	Jun12 Jun01 May18	Sep10 Sep22 Oct01	Sep24 Oct10 Oct19	Oct08 Oct27 Nov05	138 167 193	117 144 168	96 121 143	54 46 37
COLDWATER STATE SCHOOL	36 32 28	Apr29 Apr20 Apr09	May15 May03 Apr22	May30 May17 May05	Sep10 Sep23 Oct08	Sep26 Oct05 Oct23	Oct11 Oct17 Nov07	154 172 206	133 154 183	112 136 160	47 40 31
CROSS VILLAGE 1 S	36 32 28	May20 May13 Apr25	Jun06 May26 May09	Jun23 Jun07 May22	Sep13 Sep23 Oct05	Sep26 Oct09 Oct23	Oct10 Oct26 Nov10	132 158 189	111 136 167	91 113 144	51 44 35
DEARBORN	36 32 28	Apr27 Apr17 Apr07	May13 May02 Apr18	May29 May17 Apr28	Sep15 Sep26 Oct10	Sep29 Oct13 Oct24	Oct12 Oct29 Nov07	157 185 208	138 162 189	119 140 169	45 38 29
DETOUR VILLAGE	36 32 28	May10 Apr25 Apr11	May24 May10 Apr27	Jun07 May25 May13	Sep13 Sep26 Oct07	Sep28 Oct13 Oct26	Oct12 Oct30 Nov14	147 181 207	126 156 181	105 130 156	53 44 36
DETROIT METRO AP	36 32 28	Apr21 Apr11 Apr02	May10 Apr26 Apr15	May28 May10 Apr28	Sep23 Oct04 Oct13	Oct04 Oct17 Oct29	Oct15 Oct30 Nov14	169 198 222	147 174 196	125 150 171	44 36 27
DOWAGIAC 1 W	36 32 28	May06 Apr19 Apr11	May22 May10 Apr26	Jun08 May31 May11	Sep12 Sep22 Oct03	Sep24 Oct05 Oct20	Oct06 Oct19 Nov07	146 168 202	124 148 177	102 128 151	48 40 31
EAST JORDAN	36 32 28	May22 May13 Apr28	Jun10 May28 May10	Jun29 Jun13 May22	Aug20 Sep10 Sep23	Sep08 Sep24 Oct09	Sep27 Oct09 Oct26	118 138 169	89 118 151	59 99 133	55 46 37
EAST LANSING 4 S	36 32 28	May03 Apr19 Apr11	May21 May04 Apr25	Jun09 May20 May08	Sep10 Sep21 Sep30	Sep23 Oct05 Oct17	Oct06 Oct19 Nov04	144 171 198	124 153 175	103 135 152	49 42 32
EAST TAWAS	36 32 28	May17 Apr30 Apr14	Jun03 May16 Apr30	Jun20 Jun02 May15	Sep02 Sep15 Sep30	Sep18 Sep29 Oct15	Oct03 Oct13 Oct30	128 153 190	106 135 168	84 117 146	53 44 35
EAU CLAIRE 4 NE	36 32 28	Apr23 Apr13 Apr04	May10 Apr29 Apr16	May27 May14 Apr28	Sep27 Oct07 Oct23	Oct11 Oct22 Nov05	Oct24 Nov05 Nov18	173 197 222	153 175 203	133 153 183	43 35 26
ESCANABA	36 32 28	May04 Apr21 Apr14	May21 May10 Apr26	Jun06 May30 May08	Sep11 Sep21 Oct07	Sep26 Oct10 Oct25	Oct11 Oct28 Nov12	147 175 203	128 152 181	109 128 159	52 45 37
FLINT BISHOP INTL AP	36 32 28	May04 Apr22 Apr12	May21 May06 May22	Jun07 May19 May02	Sep17 Sep26 Oct03	Sep28 Oct11 Oct20	Oct08 Oct27 Nov07	149 179 201	129 158 181	109 137 161	47 38 30
FRANKFORT 2 NE	36 32 28	May07 Apr19 Apr09	May23 May07 Apr23	Jun09 May26 May06	Sep19 Sep26 Oct17	Oct04 Oct13 Nov02	Oct18 Oct29 Nov18	153 181 216	133 158 193	112 134 170	48 40 30

GAYLORD	36 32 28	May20 May10 Apr27	Jun11 May27 May12	Jul04 Jun12 May27	Aug20 Sep01 Sep16	Sep08 Sep19 Oct05	Sep26 Oct07 Oct23	121 143 173	88 115 145	55 87 117	55 49 40
GLADWIN	36 32 28	May11 May03 Apr21	Jun04 May16 May04	Jun28 May30 May17	Aug30 Sep11 Sep29	Sep15 Sep24 Oct12	Oct01 Oct08 Oct25	131 149 179	102 130 161	73 112 143	55 47 37
GRAND HAVEN FIRE DEPT	36 32 28	Apr21 Apr14 Mar28	May06 Apr28 Apr12	May21 May11 Apr27	Sep27 Oct06 Oct18	Oct10 Oct22 Nov04	Oct23 Nov06 Nov20	176 198 231	156 177 205	136 155 179	42 34 26
GRAND MARAIS 2 E	36 32 28	Jun10 May28 May12	Jul01 Jun16 May29	Jul22 Jul05 Jun14	Aug14 Aug28 Sep23	Sep03 Sep20 Oct11	Sep23 Oct12 Oct29	95 130 160	64 95 135	33 60 109	59 52 43
GRAND RAPIDS INTL AP	36 32 28	Apr29 Apr20 Apr07	May16 May05 Apr24	Jun02 May19 May12	Sep15 Sep26 Oct06	Sep28 Oct08 Oct23	Oct10 Oct21 Nov09	155 173 208	134 156 181	113 139 155	47 39 30
GRAYLING	36 32 28	May28 May19 May01	Jun21 Jun04 May17	Jul16 Jun20 Jun02	Aug15 Aug22 Sep09	Aug31 Sep10 Sep25	Sep17 Sep29 Oct12	105 124 155	70 98 131	36 72 107	60 53 43
GREENVILLE 2 NNE	36 32 28	May08 Apr24 Apr15	May26 May15 Apr29	Jun14 May13 May13	Sep04 Sep17 Sep22	Sep18 Sep29 Oct10	Oct01 Oct11 Oct28	133 160 189	114 137 163	95 113 138	50 44 35
GROSSE POINTE FARMS	36 32 28	Apr24 Apr10 Apr02	May07 Apr22 Apr15	May19 May05 Apr27	Sep26 Oct10 Oct19	Oct11 Oct23 Nov04	Oct27 Nov05 Nov19	175 204 225	157 183 202	139 162 179	42 34 25
GULL LAKE BIOL STA	36 32 28	Apr26 Apr19 Apr08	May14 May04 Apr21	Jun01 May18 May04	Sep19 Sep27 Oct10	Sep29 Oct11 Oct27	Oct09 Oct25 Nov12	156 181 213	137 160 188	118 139 162	46 38 29
HALE LOUD DAM	36 32 28	May18 May05 Apr23	May30 May19 May05	Jun10 Jun02 May16	Sep06 Sep16 Oct01	Sep19 Sep29 Oct13	Oct01 Oct12 Oct25	127 149 177	112 133 160	96 117 144	54 47 37
HARBOR BEACH 1 SSE	36 32 28	May03 Apr22 Apr11	May16 May03 Apr21	May30 May15 May01	Sep17 Oct02 Oct17	Sep30 Oct18 Oct30	Oct13 Nov02 Nov13	152 184 209	136 167 192	120 149 174	49 41 31
HARRISVILLE 2 NNE	36 32 28	May07 Apr29 Apr13	May27 May15 Apr28	Jun15 May30 May13	Sep15 Sep24 Sep30	Sep26 Oct07 Oct17	Oct08 Oct19 Nov02	144 163 195	122 144 171	100 125 146	53 45 35
HART	36 32 28	May09 May17 Apr17	May27 May12 Apr29	Jun13 May28 May11	Sep13 Sep22 Sep30	Sep23 Oct05 Oct16	Oct03 Oct17 Nov02	139 167 197	121 146 173	102 125 149	50 42 32
HASTINGS	36 32 28	May05 Apr24 Apr14	May25 May11 Apr26	Jun13 May28 May08	Sep13 Sep22 Sep30	Sep23 Oct05 Oct16	Oct03 Oct17 Nov02	141 167 197	121 146 173	101 125 149	50 43 33
HERMAN	36 32 28	Jun02 May16 May08	Jun30 Jun13 May29	Jul28 Jul11 Jun19	Aug04 Aug11 Sep01	Aug26 Sep06 Sep20	Sep16 Oct03 Oct10	99 131 145	56 85 113	14 39 81	61 55 47
HESPERIA 4 WNW	36 32 28	May16 May03 Apr21	Jun09 May23 May04	Jul02 Jun11 May18	Aug21 Sep09 Sep23	Sep09 Sep25 Oct08	Sep28 Oct10 Oct23	121 146 175	92 124 156	62 103 138	53 46 36
HILLSDALE	36 32 28	May05 Apr23 Apr16	May27 May10 Apr30	Jun18 May27 May14	Sep06 Sep20 Sep28	Sep21 Oct03 Oct14	Oct06 Oct15 Oct30	141 165 185	116 145 166	91 124 148	49 42 33
HOLLAND	36 32 28	Apr30 Apr22 Apr09	May21 May08 Apr24	Jun11 May25 May09	Sep16 Sep26 Oct07	Sep29 Oct10 Oct25	Oct12 Oct24 Nov12	156 178 210	131 154 183	105 130 157	46 38 28
HOUGHTON CO AP (HANCOCK)	36 32 28	May10 Apr25 Apr11	May25 May10 Apr27	Jun09 May24 May13	Sep09 Sep19 Oct01	Sep20 Oct05 Oct18	Oct02 Oct20 Nov05	137 163 197	118 147 173	98 131 150	55 47 39

HOUGHTON LAKE 6 WSW	36 32 28	May/30 May/17 May/04	Jun/27 Jun/12 May/21	Jul/25 Jul/08 Jun/08	Aug/06 Aug/19 Sep/08	Aug/25 Sep/07 Sep/22	Sep/13 Sep/26 Oct/06	96 125 145	58 86 123	21 47 102	60 53 43
HOUGHTON LAKE ROSCOMMON	36 32 28	May/15 May/04 Apr/18	Jun/08 May/20 May/02	Jul/02 Jun/05 May/15	Aug/23 Sep/07 Sep/22	Sep/08 Sep/23 Oct/08	Sep/24 Oct/10 Oct/24	122 148 177	91 126 159	60 103 140	54 46 37
IONIA 2 SSW	36 32 28	May/01 Apr/20 Apr/14	May/22 May/09 Apr/27	Jun/12 May/27 May/10	Sep/09 Sep/18 Sep/25	Sep/21 Oct/04 Oct/13	Oct/02 Oct/19 Oct/31	143 170 192	121 147 168	99 125 144	50 43 34
IRON MTN-KINGSFORD WWTP	36 32 28	May/22 May/12 Apr/27	Jun/07 May/27 May/08	Jun/24 Jun/10 May/18	Aug/30 Sep/10 Sep/19	Sep/11 Sep/21 Oct/03	Sep/24 Oct/02 Oct/17	118 134 166	95 117 148	73 99 130	58 51 43
IRONWOOD	36 32 28	May/24 May/14 Apr/24	Jun/12 May/31 May/13	Jun/30 Jun/16 Jun/02	Aug/20 Aug/30 Sep/20	Sep/08 Sep/17 Oct/01	Sep/27 Oct/05 Oct/12	116 135 166	88 109 140	59 83 114	59 52 45
JACKSON CO AP	36 32 28	Apr/28 Apr/21 Apr/11	May/20 May/05 Apr/23	Jun/11 May/19 May/04	Sep/14 Sep/26 Oct/03	Sep/25 Oct/08 Oct/20	Oct/07 Oct/20 Nov/05	148 174 203	128 155 179	108 136 156	46 38 30
KALKASKA	36 32 28	May/22 May/13 Apr/26	Jun/14 May/30 May/11	Jul/08 Jun/15 May/26	Aug/09 Aug/28 Sep/15	Sep/01 Sep/15 Oct/05	Sep/23 Oct/03 Oct/25	114 135 169	78 108 146	42 81 122	58 50 41
KENTON	36 32 28	Jun/07 May/29 May/16	Jul/01 Jun/15 Jun/01	Jul/26 Jul/01 Jun/18	Aug/02 Aug/17 Sep/02	Aug/19 Sep/05 Sep/20	Sep/05 Sep/25 Oct/08	79 107 136	48 82 110	17 57 84	63 56 47
LAKE CITY EXP FARM	36 32 28	May/24 May/12 Apr/25	Jun/21 May/29 May/10	Jul/18 Jun/14 May/25	Aug/19 Aug/31 Sep/16	Sep/07 Sep/16 Oct/02	Sep/25 Oct/03 Oct/17	114 133 167	77 110 144	40 87 120	58 50 41
LANSING CAPITAL CITY AP	36 32 28	May/13 Apr/24 Apr/15	May/28 May/10 Apr/28	Jun/12 May/25 May/12	Sep/04 Sep/21 Sep/28	Sep/19 Oct/03 Oct/15	Oct/03 Oct/14 Nov/01	130 164 190	113 145 169	96 126 147	49 41 32
LAPEER WWTP	36 32 28	May/04 Apr/19 Apr/13	May/26 May/08 Apr/28	Jun/16 May/28 May/12	Aug/30 Sep/05 Oct/01	Sep/18 Sep/29 Oct/18	Oct/07 Oct/23 Nov/05	147 177 199	115 143 173	83 109 147	49 42 33
LUDINGTON 4 SE	36 32 28	May/17 Apr/28 Apr/14	May/31 May/18 May/04	Jun/14 Jun/08 May/24	Sep/07 Sep/18 Oct/03	Sep/21 Oct/05 Oct/20	Oct/05 Oct/21 Nov/06	132 163 193	112 139 168	92 114 143	50 42 32
LUPTON 1 S	36 32 28	May/31 May/13 May/02	Jun/25 May/30 May/19	Jul/19 Jun/16 Jun/04	Aug/13 Sep/01 Sep/09	Aug/31 Sep/15 Sep/25	Sep/19 Sep/29 Oct/12	98 127 154	67 107 129	36 87 104	61 53 44
MANISTEE 3 SE	36 32 28	May/07 Apr/29 Apr/13	May/29 May/14 May/03	Jun/20 May/29 May/22	Sep/01 Sep/17 Oct/06	Sep/23 Oct/08 Oct/24	Oct/14 Oct/30 Nov/11	152 178 203	116 147 174	80 115 144	48 40 31
MANISTIQUE	36 32 28	May/12 Apr/29 Apr/15	May/30 May/17 May/04	Jun/17 Jun/04 May/23	Aug/29 Sep/04 Sep/25	Sep/18 Sep/27 Oct/15	Oct/08 Oct/20 Nov/03	140 165 191	110 133 163	80 100 135	56 48 39
MAPLE CITY	36 32 28	May/23 May/14 Apr/28	Jun/09 May/29 May/12	Jun/25 Jun/14 May/25	Aug/30 Sep/16 Oct/01	Sep/19 Oct/01 Oct/19	Oct/09 Oct/16 Nov/06	133 142 183	102 124 160	71 106 136	52 44 35
MARQUETTE	36 32 28	May/10 Apr/26 Apr/15	May/26 May/11 Apr/30	Jun/12 May/26 May/15	Sep/18 Sep/27 Oct/11	Oct/01 Oct/13 Oct/28	Oct/15 Oct/28 Nov/13	151 175 205	127 154 180	103 132 156	52 45 36
MARQUETTE CO AP	36 32 28	May/24 May/15 Apr/28	Jun/12 May/30 May/12	Jul/01 Jun/15 May/26	Aug/20 Sep/07 Sep/18	Sep/06 Sep/21 Oct/04	Sep/22 Oct/05 Oct/20	112 133 163	85 112 144	58 91 125	60 53 45
MIDLAND	36 32 28	May/01 Apr/20 Apr/08	May/19 May/08 Apr/22	Jun/05 May/26 May/07	Sep/07 Sep/25 Oct/05	Sep/23 Oct/06 Oct/23	Oct/09 Oct/17 Nov/10	147 172 210	127 151 183	107 130 156	47 40 30



MILFORD GM PROVING GR	36 32 28	Apr/30 Apr/19 Apr/10	May/16 May/03 Apr/23	Jun/02 May/17 May/06	Sep/15 Sep/20 Oct/02	Sep/28 Oct/07 Oct/20	Oct/10 Oct/25 Nov/06	154 177 203	134 156 179	113 136 155	47 40 32
MIO HYDRO PLANT	36 32 28	May/26 May/12 Apr/29	Jun/07 May/27 May/10	Jun/19 Jun/11 May/21	Aug/28 Sep/11 Sep/21	Sep/11 Sep/22 Oct/06	Sep/26 Oct/04 Oct/22	115 134 166	96 117 148	76 101 130	57 48 39
MONROE	36 32 28	Apr/20 Apr/10 Mar/30	May/06 Apr/23 Apr/13	May/21 May/07 Apr/28	Sep/22 Oct/07 Oct/16	Oct/06 Oct/21 Oct/31	Oct/20 Nov/03 Nov/16	173 201 225	152 180 200	132 158 176	43 36 27
MONTAGUE 4 NW	36 32 28	May/22 May/04 Apr/23	Jun/06 May/23 May/11	Jun/21 Jun/10 May/28	Aug/25 Sep/09 Sep/26	Sep/13 Sep/27 Oct/11	Oct/01 Oct/16 Oct/26	122 153 177	98 127 153	74 101 128	50 42 32
MOUNT CLEMENS ANG BASE	36 32 28	Apr/26 Apr/17 Apr/07	May/10 May/01 Apr/18	May/25 May/15 Apr/28	Sep/23 Oct/03 Oct/17	Oct/06 Oct/20 Oct/31	Oct/18 Nov/05 Nov/14	164 193 213	147 171 196	131 149 179	44 35 27
MT PLEASANT UNIV	36 32 28	May/02 Apr/21 Apr/10	May/18 May/04 Apr/23	Jun/03 May/16 May/06	Sep/10 Sep/24 Oct/08	Sep/24 Oct/10 Oct/26	Oct/07 Oct/26 Nov/13	143 180 214	128 159 185	113 138 157	51 43 34
MUNISING	36 32 28	May/21 May/07 Apr/23	Jun/13 May/28 May/12	Jul/05 Jun/18 May/30	Aug/21 Sep/08 Sep/26	Sep/15 Sep/29 Oct/17	Oct/10 Oct/19 Nov/07	136 156 187	94 123 158	51 90 129	57 49 40
MUSKEGON COUNTY AP	36 32 28	Apr/29 Apr/15 Apr/10	May/18 May/06 Apr/24	Jun/06 May/26 May/08	Sep/10 Sep/26 Oct/03	Sep/24 Oct/09 Oct/22	Oct/09 Oct/22 Nov/09	152 182 203	128 156 180	104 130 156	47 38 29
NEWBERRY 3 S	36 32 28	May/23 May/13 Apr/26	Jun/16 Jun/01 May/12	Jul/10 Jun/19 May/28	Aug/22 Sep/06 Sep/23	Sep/07 Sep/24 Oct/09	Sep/23 Oct/11 Oct/24	114 143 172	82 114 149	50 86 126	58 50 41
ONAWAY STATE PARK	36 32 28	May/15 May/05 Apr/22	May/30 May/18 May/03	Jun/14 May/30 May/14	Sep/01 Sep/15 Oct/01	Sep/17 Oct/01 Oct/17	Oct/03 Oct/17 Nov/03	132 154 188	109 135 166	87 116 145	53 46 36
OWOSSO WWTP	36 32 28	May/03 Apr/22 Apr/13	May/21 May/06 Apr/27	Jun/09 May/19 May/11	Sep/12 Sep/27 Oct/05	Sep/25 Oct/08 Oct/22	Oct/08 Oct/20 Nov/07	149 171 201	126 155 177	104 139 153	48 42 32
PELLSTON RGNL AP	36 32 28	May/22 May/14 Apr/27	Jun/14 May/29 May/11	Jul/07 Jun/13 May/25	Aug/14 Aug/29 Sep/19	Sep/01 Sep/14 Oct/03	Sep/19 Sep/30 Oct/18	110 128 164	78 107 145	45 86 125	56 49 39
PETOSKEY	36 32 28	May/11 May/27 Apr/12	May/26 May/09 Apr/24	Jun/09 May/21 May/05	Sep/12 Sep/29 Oct/13	Sep/29 Oct/14 Oct/29	Oct/15 Oct/29 Nov/14	145 176 207	125 158 188	106 139 168	50 41 32
PORT HURON	36 32 28	Apr/25 Apr/13 Apr/06	May/11 Apr/26 Apr/17	May/26 May/10 Apr/28	Sep/19 Oct/04 Oct/15	Oct/03 Oct/21 Oct/31	Oct/17 Nov/08 Nov/16	165 204 215	144 177 196	123 151 178	46 38 29
SAGINAW TRI STATE AP	36 32 28	Apr/26 Apr/16 Apr/04	May/12 Apr/30 Apr/16	May/27 May/13 Apr/27	Sep/15 Sep/27 Oct/09	Sep/28 Oct/12 Oct/24	Oct/11 Oct/28 Nov/08	159 185 212	139 165 191	119 145 170	47 39 30
ST JAMES 2 S BEAVER IS	36 32 28	May/09 Apr/30 Apr/19	Jun/02 May/14 May/02	Jun/26 May/28 May/15	Sep/11 Sep/27 Oct/02	Sep/29 Oct/11 Oct/21	Oct/17 Oct/25 Nov/09	150 167 195	118 149 172	86 131 148	52 43 34
ST JOHNS	36 32 28	May/01 Apr/23 Apr/13	May/18 May/06 Apr/24	Jun/03 May/20 May/05	Sep/15 Sep/25 Oct/05	Sep/27 Oct/08 Oct/21	Oct/09 Oct/21 Nov/06	153 173 200	131 154 179	110 135 158	48 42 32
SANDUSKY	36 32 28	May/03 Apr/22 Apr/10	May/19 May/05 Apr/22	Jun/04 May/17 May/05	Sep/12 Sep/17 Sep/30	Sep/26 Oct/07 Oct/22	Oct/09 Oct/27 Nov/14	145 179 212	129 155 182	112 131 153	50 42 33
SAULT STE MARIE AP	36 32 28	May/24 May/11 Apr/21	Jun/12 May/28 May/08	Jul/01 Jun/15 May/25	Aug/28 Sep/09 Sep/22	Sep/11 Sep/25 Oct/08	Sep/25 Oct/11 Oct/25	117 141 178	90 119 153	64 96 127	58 49 41

SENEY WILDLIFE REFUGE	36 32 28	May21 May06 Apr21	Jun09 May25 May07	Jun29 Jun12 May24	Aug22 Sep10 Sep23	Sep08 Sep26 Oct11	Sep25 Oct12 Oct30	116 146 184	90 123 157	64 100 129	56 48 39
SOUTH HAVEN	36 32 28	Apr17 Apr06 Mar28	May08 Apr24 Apr11	May28 May11 Apr26	Sep23 Oct07 Oct20	Oct09 Oct24 Nov07	Oct25 Nov10 Nov25	184 211 237	154 183 208	123 154 180	41 32 24
STAMBAUGH 2 SSE	36 32 28	Jun07 May24 May15	Jul01 Jun14 May28	Jul25 Jul04 Jun10	Aug03 Aug18 Sep07	Aug21 Sep03 Sep19	Sep07 Sep19 Sep30	79 108 131	50 81 113	20 54 96	64 57 48
STANDISH 5 SW	36 32 28	May20 May01 Apr18	Jun01 May16 Apr30	Jun13 May31 May11	Sep02 Sep08 Sep25	Sep15 Sep26 Oct11	Sep29 Oct14 Oct27	123 153 181	106 132 164	89 111 146	55 47 37
STEPHENSON 8 WNW	36 32 28	May24 May17 Apr30	Jun13 Jun01 May15	Jul03 Jun17 May29	Aug19 Sep06 Sep18	Sep06 Sep17 Sep30	Sep23 Sep29 Oct12	116 126 155	84 107 138	52 89 120	58 51 42
TAHOUEMENON FALLS STPK	36 32 28	Jun17 May26 May20	Jul09 Jun18 Jun05	Jul31 Jul11 Jun21	Aug03 Aug18 Sep02	Aug23 Sep05 Sep21	Sep13 Sep23 Oct10	81 108 134	44 78 107	7 48 80	63 55 46
THREE RIVERS	36 32 28	Apr29 Apr21 Apr06	May17 May04 Apr22	Jun05 May17 May08	Sep16 Sep21 Oct02	Sep27 Oct05 Oct19	Oct08 Oct19 Nov05	153 169 205	132 153 180	112 137 155	47 40 31
VANDERBILT 11 ENE	36 32 28	Jun14 May27 May16	Jul07 Jun15 May31	Jul30 Jul05 Jun15	Aug03 Aug13 Sep04	Aug19 Sep01 Sep21	Sep04 Sep20 Oct09	76 106 136	43 77 112	9 47 89	64 56 46
WEST BRANCH 3 SE	36 32 28	May19 May04 Apr21	Jun02 May20 May06	Jun16 Jun04 May21	Aug29 Sep11 Sep24	Sep13 Sep24 Oct09	Sep27 Oct06 Oct24	123 147 175	102 126 156	81 106 136	56 49 39
WHITEFISH POINT	36 32 28	Jun01 May14 Apr25	Jun15 May29 May06	Jun30 Jun14 May18	Aug30 Sep21 Oct04	Sep17 Oct05 Oct18	Oct05 Oct19 Nov02	117 149 183	93 128 164	68 107 146	56 47 38
YPSILANTI E MICH UNIV	36 32 28	Apr22 Apr10 Mar30	May05 Apr24 Apr12	May18 May08 Apr26	Sep24 Oct07 Oct18	Oct05 Oct20 Nov01	Oct17 Nov02 Nov16	170 200 225	152 178 202	135 156 179	43 35 26

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 (Aug 1 - Jul 31).  
(percent of days with temperatures at or below the threshold temperature)

## 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		Spring (Date)			Fall (Date)			Freeze Free Period (Days)			Probability Level (4)
								Probability Level (3)			
		Probability Level (1)	Probability Level (2)	Probability Level (3)	Probability Level (4)						
Minnesota	Idaho (F)	90	50	10	10	50	90	10	50	90	
ADA	36 32 28	May/09 Apr/30 Apr/19	May/19 May/11 May/01	May/29 May/22 May/13	Sep/06 Sep/14 Sep/20	Sep/16 Sep/25 Oct/04	Sep/27 Oct/06 Oct/18	136 152 174	120 136 156	104 120 137	55 49 42
AGASSIZ REFUGE	36 32 28	May/08 Apr/26 Apr/17	May/20 May/12 Apr/30	Jun/01 May/27 May/13	Aug/28 Sep/04 Sep/15	Sep/10 Sep/20 Sep/29	Sep/23 Oct/05 Oct/13	130 155 171	112 130 151	94 105 132	57 52 45
AITKIN 2 E	36 32 28	May/14 May/03 Apr/21	May/30 May/18 May/04	Jun/16 Jun/01 May/17	Aug/25 Sep/12 Sep/21	Sep/09 Sep/23 Oct/01	Sep/25 Oct/03 Oct/11	123 144 165	101 127 149	79 110 133	57 51 44
ALBERT LEA 3 SE	36 32 28	Apr/26 Apr/14 Mar/31	May/09 Apr/30 Apr/17	May/22 May/16 May/03	Sep/14 Sep/23 Sep/29	Sep/25 Oct/03 Oct/14	Oct/05 Oct/14 Oct/30	156 175 201	138 156 180	120 136 159	51 45 38
ALEXANDRIA CHANDLER AP	36 32 28	Apr/29 Apr/17 Apr/07	May/10 May/01 Apr/19	May/21 May/16 May/01	Sep/14 Sep/23 Sep/29	Sep/26 Oct/05 Oct/13	Oct/07 Oct/17 Oct/28	155 176 199	138 156 176	121 136 154	52 46 40
ARGYLE 4 E	36 32 28	May/14 May/05 Apr/22	May/29 May/15 May/06	Jun/13 May/26 May/20	Aug/24 Sep/06 Sep/19	Sep/09 Sep/21 Oct/02	Sep/25 Oct/05 Oct/14	128 147 166	102 127 148	76 107 130	60 54 46
ARTCHOKE LAKE	36 32 28	Apr/28 Apr/18 Apr/06	May/10 May/04 Apr/20	May/22 May/19 May/04	Sep/10 Sep/19 Sep/28	Sep/21 Oct/01 Oct/11	Oct/02 Oct/14 Oct/24	149 172 196	133 150 173	118 128 150	51 46 39
AUSTIN 3 S	36 32 28	Apr/25 Apr/17 Apr/03	May/12 May/01 Apr/20	May/29 May/16 May/07	Sep/10 Sep/14 Sep/21	Sep/21 Sep/28 Oct/06	Oct/02 Oct/12 Oct/22	155 170 187	132 149 168	108 127 149	50 44 36
BAUDETTE	36 32 28	May/16 May/04 Apr/20	May/31 May/16 May/04	Jun/16 May/28 May/17	Aug/27 Sep/10 Sep/15	Sep/10 Sep/21 Oct/02	Sep/23 Oct/03 Oct/19	125 145 172	101 128 151	77 110 129	58 51 45
BEMIDJI	36 32 28	May/12 May/01 Apr/22	May/28 May/15 May/06	Jun/13 May/29 May/20	Aug/25 Sep/15 Sep/19	Sep/11 Sep/25 Oct/01	Sep/27 Oct/05 Oct/12	129 152 166	105 132 147	81 112 128	58 52 46
BENSON	36 32 28	Apr/29 Apr/18 Apr/08	May/12 May/03 Apr/21	May/24 May/17 May/04	Sep/13 Sep/17 Sep/24	Sep/24 Sep/30 Oct/10	Oct/05 Oct/13 Oct/26	153 171 194	134 150 172	116 128 149	51 45 38
BIG FALLS	36 32 28	May/24 May/12 Apr/26	Jun/12 May/28 May/11	Jun/30 Jun/14 May/26	Aug/16 Aug/29 Sep/15	Aug/31 Sep/12 Sep/26	Sep/16 Sep/25 Oct/07	104 125 156	80 106 137	56 86 119	61 54 47
BRAINERD	36 32 28	May/10 Apr/29 Apr/19	May/30 May/13 May/02	Jun/18 May/27 May/15	Aug/27 Sep/01 Sep/16	Sep/10 Sep/18 Sep/29	Sep/25 Oct/05 Oct/11	124 150 167	103 128 149	81 106 130	58 52 45
BUFFALO	36 32 28	Apr/30 Apr/17 Apr/06	May/12 May/01 Apr/21	May/24 May/16 May/06	Sep/13 Sep/19 Sep/29	Sep/24 Oct/02 Oct/12	Oct/05 Oct/16 Oct/25	150 173 195	135 153 173	119 134 151	51 45 38

CALEDONIA	36 32 28	Apr/29 Apr/16 Apr/05	May/11 May/02 Apr/20	May/24 May/18 May/04	Sep/14 Sep/20 Sep/28	Sep/25 Oct/01 Oct/14	Oct/06 Oct/12 Oct/31	154 171 200	136 151 177	118 131 154	51 45 38
CAMBRIDGE STATE HOSP	36 32 28	May/08 Apr/25 Apr/13	May/25 May/09 Apr/28	Jun/10 May/22 May/13	Sep/08 Sep/14 Sep/19	Sep/18 Sep/25 Oct/04	Sep/27 Oct/06 Oct/19	134 155 180	115 139 158	96 122 136	54 48 41
CAMPBELL	36 32 28	May/01 Apr/26 Apr/10	May/15 May/08 Apr/25	May/29 May/20 May/10	Sep/07 Sep/15 Sep/20	Sep/17 Sep/27 Oct/04	Sep/28 Oct/10 Oct/18	142 161 185	124 142 161	106 122 138	55 49 42
CANBY	36 32 28	May/04 Apr/21 Apr/10	May/15 May/04 Apr/25	May/26 May/17 May/09	Sep/11 Sep/17 Sep/26	Sep/24 Oct/01 Oct/10	Oct/06 Oct/15 Oct/24	150 166 188	131 149 167	112 132 147	52 46 38
CASS LAKE	36 32 28	May/21 May/11 May/03	Jun/09 May/26 May/15	Jun/28 Jun/10 May/26	Aug/13 Aug/29 Sep/13	Aug/29 Sep/13 Sep/25	Sep/14 Sep/28 Oct/07	106 131 150	80 109 133	55 87 116	60 54 47
CEDAR	36 32 28	May/08 Apr/23 Apr/13	May/25 May/11 Apr/27	Jun/12 May/29 May/11	Sep/09 Sep/16 Sep/20	Sep/18 Sep/27 Oct/06	Sep/27 Oct/08 Oct/23	136 160 184	115 139 161	94 118 139	52 46 39
CHASKA	36 32 28	Apr/28 Apr/18 Apr/08	May/10 May/01 Apr/21	May/23 May/14 May/05	Sep/14 Sep/22 Sep/27	Sep/25 Oct/02 Oct/11	Oct/06 Oct/12 Oct/26	155 171 191	137 153 172	120 136 153	49 43 36
CLOQUET	36 32 28	May/27 May/15 Apr/29	Jun/10 May/30 May/13	Jun/23 Jun/13 May/28	Aug/23 Sep/06 Sep/17	Sep/06 Sep/18 Sep/29	Sep/20 Sep/29 Oct/10	108 130 158	88 110 138	67 91 117	59 53 44
COLLEGEVILLE ST JOHN	36 32 28	Apr/29 Apr/16 Apr/07	May/10 Apr/30 Apr/21	May/22 May/14 May/04	Sep/14 Sep/20 Oct/03	Sep/26 Oct/04 Oct/17	Oct/07 Oct/18 Oct/31	154 178 201	138 156 178	122 135 156	50 44 37
COTTON	36 32 28	Jun/08 May/23 May/12	Jun/29 Jun/09 May/27	Jul/21 Jun/27 Jun/10	Aug/01 Aug/21 Sep/05	Aug/21 Sep/05 Sep/19	Sep/09 Sep/19 Oct/03	83 111 132	52 87 115	20 62 97	63 56 48
CROOKSTON NW EXP STN	36 32 28	May/09 Apr/28 Apr/15	May/21 May/11 May/01	Jun/02 May/23 May/16	Sep/03 Sep/13 Sep/19	Sep/13 Sep/23 Oct/02	Sep/24 Oct/03 Oct/16	133 153 172	114 134 154	96 116 136	56 50 43
DETROIT LAKES 1 NNE	36 32 28	May/11 May/01 Apr/22	Jun/03 May/17 May/06	Jun/26 Jun/02 May/21	Aug/13 Sep/06 Sep/11	Sep/02 Sep/16 Sep/27	Sep/22 Sep/27 Oct/13	126 142 167	91 122 143	55 101 118	57 51 45
DULUTH HARBOR STA	36 32 28	Apr/21 Apr/05 Apr/03	May/30 May/15 Apr/21	Jul/07 Jun/23 May/08	Sep/08 Sep/27 Oct/11	Oct/02 Oct/17 Oct/29	Oct/25 Nov/07 Nov/16	166 202 215	124 155 191	82 108 167	52 44 36
DULUTH INTL AP	36 32 28	May/17 May/03 Apr/15	Jun/05 May/21 May/04	Jun/24 Jun/08 May/24	Aug/30 Sep/11 Sep/22	Sep/13 Sep/23 Oct/06	Sep/28 Oct/04 Oct/21	125 146 178	100 124 155	74 102 131	57 50 42
FAIRMONT	36 32 28	Apr/18 Apr/11 Apr/01	May/02 Apr/26 Apr/12	May/17 May/11 Apr/22	Sep/17 Sep/23 Oct/02	Sep/30 Oct/07 Oct/18	Oct/13 Oct/21 Nov/02	171 182 207	150 163 188	130 144 169	49 43 35
FARIBAULT	36 32 28	May/04 Apr/23 Apr/14	May/21 May/07 Apr/26	Jun/08 May/22 May/08	Sep/11 Sep/13 Sep/25	Sep/23 Sep/27 Oct/10	Oct/05 Oct/10 Oct/24	147 159 186	124 142 166	101 124 146	52 46 39
FARMINGTON 3 NW	36 32 28	Apr/27 Apr/15 Apr/03	May/10 Apr/29 Apr/17	May/23 May/12 May/02	Sep/14 Sep/21 Sep/25	Sep/25 Oct/01 Oct/11	Oct/07 Oct/11 Oct/26	153 170 201	138 155 176	122 139 151	50 44 36
FERGUS FALLS	36 32 28	May/02 Apr/18 Apr/08	May/16 May/05 Apr/24	May/31 May/23 May/09	Sep/12 Sep/15 Sep/24	Sep/23 Sep/29 Oct/09	Oct/04 Oct/13 Oct/23	147 169 190	129 146 167	111 122 145	54 48 41
FOREST LAKE 5 NE	36 32 28	Apr/27 Apr/17 Apr/07	May/11 Apr/30 Apr/19	May/24 May/13 May/01	Sep/15 Sep/24 Oct/02	Sep/26 Oct/06 Oct/17	Oct/07 Oct/18 Nov/02	155 177 203	138 158 180	120 139 158	50 44 37

FOSSTON 1 E	36 32 28	May11 May03 Apr21	Jun03 May17 May06	Jun25 May31 May20	Aug19 Sep04 Sep13	Sep06 Sep18 Sep28	Sep25 Oct02 Oct12	126 145 166	95 123 144	65 101 122	59 53 46
GAYLORD	36 32 28	Apr24 Apr15 Apr02	May08 Apr28 Apr16	May22 May12 Apr29	Sep14 Sep20 Oct01	Sep25 Oct03 Oct15	Oct07 Oct15 Oct30	159 177 203	140 157 182	120 137 161	50 44 37
GEORGETOWN 1 E	36 32 28	May08 Apr26 Apr15	May19 May10 Apr29	May31 May25 May14	Sep04 Sep10 Sep19	Sep15 Sep24 Oct04	Sep26 Oct08 Oct19	137 160 180	118 136 157	99 112 134	55 49 42
GLENWOOD 2 WNW	36 32 28	May04 Apr22 Apr12	May20 May07 Apr26	Jun04 May23 May09	Sep07 Sep18 Sep21	Sep18 Sep28 Oct06	Sep29 Oct09 Oct22	142 162 186	120 143 163	99 124 140	54 48 40
GRAND MARAIS	36 32 28	May16 Apr29 Apr18	May29 May13 May01	Jun11 May26 May13	Sep10 Sep20 Oct01	Sep23 Sep30 Oct19	Oct05 Oct10 Nov05	135 155 192	116 139 170	96 123 149	55 47 38
GRAND MEADOW	36 32 28	Apr27 Apr22 Apr03	May11 May03 Apr19	May25 May15 May05	Sep13 Sep20 Sep25	Sep25 Oct03 Oct11	Oct07 Oct16 Oct26	154 168 196	136 152 174	118 136 152	52 46 38
GRAND PORTAGE RNG STN	36 32 28	Jun04 May22 May04	Jun21 Jun15 Jun07	Jul08 Jul08 Jul10	Jul27 Jul29 Aug03	Aug22 Aug26 Sep11	Sep18 Sep25 Oct19	102 121 158	61 72 95	21 23 32	64 57 48
GRAND RAPIDS FOREST LAB	36 32 28	May19 May09 Apr22	Jun02 May20 May04	Jun16 May31 May17	Aug21 Sep06 Sep16	Sep07 Sep19 Sep28	Sep24 Oct01 Oct10	118 138 162	96 121 146	74 104 130	58 52 45
GULL LAKE DAM	36 32 28	May05 Apr27 Apr17	May18 May08 Apr29	May30 May19 May11	Sep14 Sep21 Sep25	Sep23 Sep30 Oct09	Oct01 Oct08 Oct23	143 158 183	127 144 163	111 129 142	55 49 42
GUNFLINT LAKE 10 NW	36 32 28	May19 May09 May02	Jun09 May26 May13	Jun30 Jun12 May25	Aug27 Sep09 Sep19	Sep13 Sep23 Oct05	Sep29 Oct06 Oct21	126 142 166	95 119 144	64 96 121	61 56 48
HASTINGS DAM 2	36 32 28	Apr25 Apr11 Apr02	May12 May02 Apr19	May29 May22 May05	Sep16 Sep23 Sep29	Sep28 Oct08 Oct18	Oct10 Oct22 Nov05	161 185 209	138 158 181	115 131 154	50 44 37
HIBBING CHISHOLM AP	36 32 28	May24 May14 Apr27	Jun09 May27 May11	Jun26 Jun10 May24	Aug13 Sep03 Sep15	Aug31 Sep15 Sep27	Sep17 Sep26 Oct10	108 129 158	82 109 139	56 90 119	61 55 47
HINCKLEY	36 32 28	May15 May02 Apr19	May31 May17 May04	Jun15 Jun01 May18	Aug26 Sep12 Sep19	Sep12 Sep23 Sep29	Sep29 Oct04 Oct10	128 146 166	104 128 148	79 110 130	57 51 44
HUTCHINSON 1 N	36 32 28	Apr28 Apr15 Apr03	May11 Apr30 Apr20	May23 May15 May06	Sep13 Sep17 Sep29	Sep24 Sep29 Oct12	Oct05 Oct12 Oct26	154 172 197	136 151 175	117 130 152	51 45 38
INTL FALLS AP	36 32 28	May16 May10 Apr26	Jun07 May25 May10	Jun29 Jun08 May24	Aug24 Sep04 Sep15	Sep07 Sep17 Sep25	Sep20 Sep29 Oct05	116 133 154	91 114 137	65 95 120	60 54 46
ISABELLA 1 W	36 32 28	May28 May18 May02	Jun20 Jun04 Jun18	Jul13 Jun21 Jun04	Aug11 Aug30 Sep10	Aug30 Sep13 Sep24	Sep18 Sep27 Oct09	104 124 153	70 101 128	36 77 104	63 57 51
ISLE 12 N	36 32 28	May09 May03 Apr20	Jun02 May17 May06	Jun25 Jun01 May22	Aug27 Sep08 Sep17	Sep12 Sep22 Oct04	Sep29 Oct06 Oct21	129 148 176	102 127 150	75 106 124	56 51 43
ITASCA UNIV OF MINNESOTA	36 32 28	May22 May10 Apr26	Jun04 May23 May10	Jun17 Jun05 May24	Aug20 Sep09 Sep17	Sep08 Sep20 Sep30	Sep26 Oct01 Oct12	118 139 159	95 119 142	71 99 125	60 54 47
JORDAN 1 S	36 32 28	May07 Apr25 Apr12	May22 May09 Apr27	Jun06 May23 May13	Sep01 Sep11 Sep22	Sep16 Sep24 Oct06	Oct01 Oct07 Oct20	139 160 183	116 138 161	94 115 138	53 47 41

KELLHER	36 32 28	May18 May06 Apr21	Jun03 May23 May07	Jun20 Jun10 May23	Aug22 Sep11 Sep16	Sep06 Sep21 Sep29	Sep22 Oct01 Oct12	117 140 165	94 120 144	71 99 123	59 53 46
LAMBERTON SW EXP STN	36 32 28	May01 Apr20 Apr08	May15 May03 Apr24	May28 May17 May10	Sep09 Sep14 Sep21	Sep19 Sep28 Oct07	Sep29 Oct12 Oct24	146 165 191	127 147 166	108 128 141	53 47 39
LEECH LAKE DAM	36 32 28	May13 May04 Apr22	May26 May14 May04	Jun07 May24 May15	Aug31 Sep08 Sep20	Sep13 Sep23 Oct04	Sep27 Oct08 Oct18	128 150 173	110 131 153	92 113 133	57 51 44
LITCHFIELD	36 32 28	May04 Apr18 Apr06	May17 May04 Apr21	May31 May20 May05	Sep11 Sep17 Sep20	Sep22 Sep30 Oct08	Oct03 Oct14 Oct27	146 170 197	127 148 170	109 127 143	51 45 38
LITTLE FALLS 1 N	36 32 28	May07 Apr27 Apr12	May21 May09 Apr28	Jun05 May22 May15	Sep03 Sep15 Sep20	Sep18 Sep26 Oct04	Oct03 Oct08 Oct19	141 157 183	119 139 158	97 122 134	54 48 41
LONG PRAIRIE	36 32 28	May08 Apr24 Apr18	May22 May12 Apr30	Jun05 May30 May11	Sep01 Sep12 Sep19	Sep16 Sep23 Oct03	Oct02 Oct05 Oct18	140 155 176	116 134 156	93 112 136	54 48 41
LUVERNE	36 32 28	Apr28 Apr19 Apr11	May14 May04 Apr26	May29 May19 May10	Sep09 Sep15 Sep20	Sep19 Sep26 Oct06	Sep30 Oct07 Oct21	151 164 184	128 144 162	105 125 140	52 46 39
MADISON SEWAGE PLANT	36 32 28	May01 Apr21 Apr06	May12 May04 Apr22	May22 May17 May08	Sep09 Sep14 Sep23	Sep18 Sep27 Oct06	Sep28 Oct11 Oct19	145 166 187	129 146 166	113 125 145	52 46 39
MARSHALL	36 32 28	May01 Apr18 Apr02	May13 May03 Apr19	May25 May19 May05	Sep12 Sep21 Sep28	Sep24 Oct03 Oct11	Oct06 Oct14 Oct24	153 171 193	134 152 175	114 133 156	51 45 37
MELROSE	36 32 28	May04 Apr24 Apr13	May21 May09 Apr26	Jun07 May23 May09	Sep10 Sep14 Sep22	Sep19 Sep25 Oct05	Sep28 Oct07 Oct18	141 159 179	120 139 162	100 119 144	53 48 41
MILACA	36 32 28	May09 Apr23 Apr11	May24 May09 Apr26	Jun08 May24 May11	Sep09 Sep14 Sep20	Sep18 Sep25 Oct03	Sep28 Oct07 Oct17	135 159 180	117 139 159	99 119 138	55 49 41
MILAN 1 NW	36 32 28	May03 Apr22 Apr11	May19 May07 Apr27	Jun03 May23 May13	Sep04 Sep11 Sep18	Sep15 Sep22 Oct02	Sep26 Oct04 Oct17	139 158 178	119 137 158	98 116 137	53 48 41
MINNEAPOLIS INTL AP	36 32 28	Apr25 Apr17 Apr03	May10 Apr30 Apr16	May24 May12 Apr28	Sep16 Sep20 Oct01	Sep26 Oct05 Oct17	Oct07 Oct20 Nov02	158 175 206	139 157 184	120 140 161	49 42 35
MONTEVIDEO 1 SW	36 32 28	Apr21 Apr22 Apr11	May13 May05 Apr24	Jun05 May18 May08	Sep04 Sep16 Sep20	Sep19 Sep28 Oct07	Oct03 Oct10 Oct24	162 165 187	128 145 165	93 126 142	52 46 39
MOOSE LAKE 1 SSE	36 32 28	May22 May08 Apr24	Jun08 May25 May12	Jun25 Jun12 May30	Aug16 Sep03 Sep15	Sep07 Sep18 Sep29	Sep28 Oct03 Oct13	122 143 162	90 115 139	58 87 115	59 52 45
MORA	36 32 28	May18 May03 Apr19	Jun08 May20 May09	Jun30 Jun06 May28	Aug23 Aug30 Sep10	Sep08 Sep15 Sep25	Sep25 Oct01 Oct09	121 143 164	91 117 139	61 91 113	59 52 45
MORRIS WC EXP STN	36 32 28	May01 Apr21 Apr05	May14 May05 Apr22	May28 May19 May09	Sep05 Sep13 Sep19	Sep17 Sep27 Oct06	Sep28 Oct10 Oct24	144 164 194	125 144 167	105 123 140	55 49 41
NEW LONDON	36 32 28	Apr29 Apr17 Apr10	May11 May02 Apr23	May23 May17 May07	Sep13 Sep16 Sep27	Sep24 Sep30 Oct11	Oct05 Oct14 Oct26	153 170 191	135 150 170	118 130 149	51 46 39
NEW ULM 2 SE	36 32 28	Apr24 Apr15 Apr04	May11 May02 Apr21	May28 May18 May07	Sep12 Sep15 Sep26	Sep22 Sep28 Oct10	Oct03 Oct11 Oct24	156 170 194	134 149 172	112 127 150	49 43 36

OTTERTAIL	36 32 28	May/07 Apr/26 Apr/13	May/17 May/07 Apr/26	May/27 May/18 May/09	Sep/10 Sep/18 Sep/26	Sep/21 Sep/30 Oct/10	Oct/03 Oct/12 Oct/24	144 161 187	127 145 166	109 129 144	53 47 41
OWATONNA	36 32 28	Apr/26 Apr/19 Apr/12	May/13 May/03 Apr/25	May/31 May/16 May/09	Sep/07 Sep/17 Sep/28	Sep/22 Sep/30 Oct/11	Oct/07 Oct/13 Oct/23	152 166 186	131 150 168	110 133 149	50 45 37
PINE RIVER DAM	36 32 28	May/10 May/01 Apr/20	May/26 May/14 May/03	Jun/12 May/27 May/16	Aug/29 Sep/09 Sep/19	Sep/13 Sep/23 Oct/03	Sep/28 Oct/07 Oct/16	130 149 173	109 132 152	87 114 131	57 51 44
PIPESTONE	36 32 28	May/04 Apr/20 Apr/17	May/29 May/14 May/03	Jun/23 Jun/07 May/19	Aug/26 Sep/06 Sep/13	Sep/10 Sep/20 Sep/27	Sep/25 Oct/04 Oct/11	135 158 166	103 128 146	72 99 127	55 50 43
POKEGAMA DAM	36 32 28	May/17 May/04 Apr/22	May/31 May/15 May/04	Jun/13 May/26 May/15	Sep/02 Sep/14 Sep/19	Sep/14 Sep/25 Oct/03	Sep/26 Oct/06 Oct/17	121 148 170	105 132 152	90 116 134	57 51 44
PRESTON	36 32 28	May/13 May/03 Apr/16	May/30 May/18 May/03	Jun/16 Jun/01 May/19	Aug/29 Sep/08 Sep/22	Sep/14 Sep/22 Oct/03	Sep/29 Oct/06 Oct/15	132 148 172	106 126 153	80 104 134	53 47 39
RED LAKE FALLS	36 32 28	May/09 May/02 Apr/17	May/24 May/13 May/01	Jun/07 May/25 May/15	Aug/31 Sep/07 Sep/14	Sep/11 Sep/21 Sep/30	Sep/23 Oct/05 Oct/15	129 150 173	110 130 151	91 109 129	56 50 43
RED LAKE INDIAN AGENCY	36 32 28	May/10 May/03 Apr/22	May/29 May/17 May/07	Jun/17 Jun/01 May/22	Aug/31 Sep/12 Sep/17	Sep/14 Sep/23 Oct/01	Sep/28 Oct/04 Oct/16	132 148 166	107 128 147	83 109 127	57 52 46
RED WING DAM 3	36 32 28	Apr/22 Apr/10 Mar/30	May/11 May/01 Apr/17	May/29 May/22 May/04	Sep/14 Sep/18 Sep/27	Sep/26 Oct/03 Oct/13	Oct/08 Oct/17 Oct/30	162 180 203	137 154 179	113 128 154	50 45 38
REDWOOD FALLS MUNICIPAL	36 32 28	Apr/23 Apr/12 Mar/28	May/06 Apr/26 Apr/12	May/20 May/10 Apr/27	Sep/14 Sep/19 Sep/26	Sep/26 Oct/05 Oct/13	Oct/07 Oct/20 Oct/29	161 182 203	142 161 183	122 140 163	49 42 35
REMER NO 2	36 32 28	May/20 May/06 Apr/23	Jun/07 May/22 May/10	Jun/25 Jun/08 May/26	Aug/18 Sep/06 Sep/14	Sep/06 Sep/16 Sep/26	Sep/24 Sep/26 Oct/08	114 135 161	90 116 139	66 98 117	60 54 47
ROCHESTER MUNICIPAL AP	36 32 28	Apr/28 Apr/20 Apr/01	May/15 May/03 Apr/18	Jun/02 May/16 May/04	Sep/13 Sep/19 Sep/25	Sep/22 Oct/02 Oct/10	Oct/02 Oct/15 Oct/26	149 167 200	129 152 175	109 137 150	51 45 37
ROSEAU 1 E	36 32 28	May/16 May/09 Apr/26	Jun/11 May/25 May/13	Jul/08 Jun/09 May/30	Aug/12 Aug/24 Sep/08	Sep/01 Sep/13 Sep/24	Sep/20 Oct/04 Oct/10	119 140 157	81 111 134	42 81 110	61 54 48
ROSEMOUNT AGR EXP STN	36 32 28	May/02 Apr/19 Apr/07	May/15 May/03 Apr/22	May/29 May/17 May/08	Sep/12 Sep/18 Sep/27	Sep/24 Sep/30 Oct/12	Oct/06 Oct/11 Oct/27	150 169 197	131 149 172	112 129 147	51 45 37
ROTHSAY	36 32 28	May/06 Apr/24 Apr/14	May/19 May/08 Apr/28	May/31 May/21 May/13	Sep/08 Sep/14 Sep/24	Sep/18 Sep/27 Oct/07	Sep/29 Oct/10 Oct/20	140 163 180	122 141 161	104 120 142	53 47 41
ST CLOUD MUNICIPAL AP	36 32 28	May/12 May/01 Apr/20	May/27 May/14 May/02	Jun/11 May/28 May/13	Sep/07 Sep/12 Sep/17	Sep/17 Sep/23 Oct/01	Sep/26 Oct/03 Oct/15	131 150 172	112 131 152	93 112 132	55 49 42
ST JAMES FILT PLANT	36 32 28	Apr/27 Apr/17 Apr/04	May/11 Apr/29 Apr/21	May/26 May/11 May/08	Sep/12 Sep/17 Sep/27	Sep/23 Oct/03 Oct/11	Oct/04 Oct/18 Oct/26	152 176 196	134 156 173	116 136 150	50 44 37
ST PAUL	36 32 28	Apr/26 Apr/15 Apr/04	May/10 Apr/29 Apr/18	May/25 May/14 May/03	Sep/16 Sep/21 Oct/01	Sep/27 Oct/05 Oct/17	Oct/07 Oct/18 Nov/02	155 177 207	139 158 181	123 138 155	48 42 36
ST PETER 2 SW	36 32 28	Apr/26 Apr/17 Apr/05	May/11 Apr/30 Apr/20	May/26 May/12 May/06	Sep/11 Sep/18 Sep/27	Sep/23 Oct/03 Oct/13	Oct/05 Oct/18 Oct/29	154 175 199	134 155 175	115 135 150	51 44 38

SANDY LAKE DAM LIBBY	36 32 28	May10 Apr28 Apr19	May27 May12 May02	Jun13 May26 May15		Aug29 Sep08 Sep16	Sep13 Sep23 Sep30	Sep28 Oct08 Oct14	132 153 169	108 133 150	84 113 132	56 50 43
SANTIAGO 3 E	36 32 28	May10 Apr26 Apr16	May29 May16 May03	Jun16 Jun05 May19		Aug30 Sep11 Sep16	Sep11 Sep20 Sep28	Sep23 Sep29 Oct11	128 151 169	105 126 148	82 102 128	55 49 42
SPRINGFIELD 1 NW	36 32 28	Apr29 Apr17 Apr10	May13 May02 Apr24	May27 May17 May07		Sep10 Sep13 Sep22	Sep20 Sep26 Oct09	Sep29 Oct09 Oct26	149 168 188	129 146 167	110 125 147	53 47 38
STEWART	36 32 28	Apr27 Apr18 Apr07	May11 May02 Apr22	May26 May15 May07		Sep12 Sep16 Sep28	Sep22 Sep28 Oct11	Oct03 Oct11 Oct25	153 167 190	133 149 171	114 131 153	51 45 37
STILLWATER 1 SE	36 32 28	Apr24 Apr13 Apr02	May10 Apr27 Apr16	May27 May11 Apr30		Sep16 Sep22 Sep27	Sep26 Oct07 Oct15	Oct07 Oct21 Nov02	160 182 206	138 162 181	116 141 156	49 43 36
THEILMAN	36 32 28	May05 Apr23 Apr08	May25 May13 Apr26	Jun13 Jun01 May13		Sep08 Sep13 Sep21	Sep22 Sep28 Oct09	Oct05 Oct13 Oct27	145 163 194	119 137 165	94 111 137	52 46 37
THORHULT 1 S	36 32 28	May19 May11 Apr29	Jun12 May29 May13	Jun06 Jun15 May27		Aug13 Aug28 Sep06	Aug30 Sep11 Sep20	Sep16 Sep25 Oct04	110 128 151	78 105 129	45 81 107	60 54 47
TOWER 3 S	36 32 28	Jun30 Jun07 May24	Jul18 Jun29 Jun14	Aug05 Jul21 Jul05		Jul29 Aug01 Aug14	Aug09 Aug21 Sep02	Aug21 Sep09 Sep20	44 81 108	21 52 79	0 24 50	68 62 55
TRACY	36 32 28	Apr28 Apr16 Apr08	May11 Apr30 Apr23	May24 May14 May08		Sep13 Sep17 Sep24	Sep24 Oct03 Oct10	Oct05 Oct19 Oct25	153 174 189	135 155 169	117 136 149	51 45 38
TWO HARBORS	36 32 28	May17 Apr27 Apr18	Jun01 May13 Apr28	Jun16 May30 May09		Sep16 Sep20 Oct02	Sep26 Sep30 Oct19	Oct06 Oct11 Nov05	132 158 192	116 139 173	100 120 154	54 46 37
WADENA 3 S	36 32 28	May08 Apr27 Apr20	May21 May09 May02	Jun04 May22 May13		Sep03 Sep16 Sep21	Sep15 Sep25 Oct06	Sep28 Oct05 Oct20	135 155 175	116 138 156	97 122 138	58 52 45
WALKER AH GWAH CHING	36 32 28	May06 Apr26 Apr13	May18 May09 Apr28	May30 May22 May12		Sep08 Sep15 Sep22	Sep21 Sep28 Oct07	Oct03 Oct11 Oct23	142 157 184	125 141 162	108 124 140	54 49 42
WARROAD	36 32 28	May11 May02 Apr25	May29 May16 May07	Jun15 May31 May18		Aug25 Sep12 Sep18	Sep10 Sep23 Oct01	Sep26 Oct03 Oct14	131 151 164	104 129 146	77 107 129	59 53 46
WASECA EXP STATION	36 32 28	Apr29 Apr17 Apr06	May12 May02 Apr21	May25 May17 May06		Sep10 Sep14 Sep23	Sep21 Sep27 Oct09	Oct03 Oct10 Oct24	150 167 189	132 147 170	114 128 151	51 46 38
WASKISH 4 NE	36 32 28	May16 May07 Apr23	Jun10 May21 May08	Jun05 Jun04 May23		Aug21 Sep07 Sep14	Sep06 Sep20 Sep27	Sep22 Oct02 Oct10	119 138 162	87 121 142	55 105 121	59 53 47
WELLS	36 32 28	Apr30 Apr17 Apr04	May11 May01 Apr19	May22 May15 May04		Sep12 Sep20 Sep28	Sep23 Oct03 Oct12	Oct04 Oct15 Oct26	151 172 195	135 154 175	118 137 155	52 45 38
WHEATON	36 32 28	May02 Apr22 Apr07	May12 May05 Apr23	May22 May18 May09		Sep12 Sep19 Sep26	Sep23 Sep30 Oct12	Oct04 Oct11 Oct28	149 167 198	133 147 171	117 127 144	52 46 39
WILLMAR STATE HOSPITAL	36 32 28	Apr28 Apr15 Apr07	May11 Apr30 Apr22	May24 May15 May07		Sep12 Sep19 Sep23	Sep21 Oct01 Oct09	Oct01 Oct14 Oct26	150 174 193	133 154 169	115 133 145	52 46 39
WINDOM	36 32 28	Apr28 Apr19 Apr11	May12 May03 Apr23	May27 May17 May05		Sep11 Sep15 Sep23	Sep21 Sep29 Oct08	Oct01 Oct13 Oct23	152 169 186	131 148 167	110 127 149	52 46 39



WINNEBAGO	36	Apr25	May08	May21		Sep15	Sep26	Oct07		157	140	123	51
	32	Apr14	Apr29	May14		Sep23	Oct05	Oct17		177	158	140	45
	28	Apr01	Apr19	May06		Sep28	Oct13	Oct28		200	177	153	38
WINONA	36	Apr21	May08	May25		Sep14	Sep26	Oct09		164	141	117	48
	32	Apr07	Apr24	May10		Sep21	Oct05	Oct19		187	164	140	42
	28	Mar31	Apr15	Apr29		Oct01	Oct17	Nov02		207	184	161	35
WINONA DAM 5 A	36	Apr23	May10	May26		Sep09	Sep24	Oct09		159	137	115	50
	32	Apr17	Apr30	May14		Sep16	Oct03	Oct20		177	155	133	44
	28	Apr02	Apr17	May02		Sep26	Oct16	Nov05		207	181	154	37
WORTHINGTON 2 NNE	36	Apr30	May13	May27		Sep10	Sep20	Oct01		149	129	110	53
	32	Apr20	May03	May15		Sep15	Sep28	Oct12		166	148	130	47
	28	Apr08	Apr23	May09		Sep25	Oct09	Oct22		187	167	148	40
WRIGHT 4 NW	36	May28	Jun15	Jul03		Aug13	Aug31	Sep18		104	76	48	59
	32	May15	May31	Jun16		Aug26	Sep10	Sep25		122	101	79	53
	28	Apr30	May15	May29		Sep14	Sep25	Oct06		153	133	114	44

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 (Aug 1 - Jul 31).  
(percent of days with temperatures at or below the threshold temperature)

## 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		Spring			Fall			Freeze Free			Probability Level (4)
		(Date)			(Date)			Period (Days)			
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
Threshold (F)	90	50	10	10	50	90	10	50	90		
Missouri											
ADVANCE 1 S	36	Apr05	Apr20	May04	Sep24	Oct09	Oct24	192	172	152	35
	32	Mar26	Apr09	Apr23	Sep30	Oct15	Oct31	207	189	170	28
	28	Mar18	Apr02	Apr16	Oct13	Nov01	Nov19	235	212	189	20
ALTON 6 SE	36	Apr14	May04	May23	Sep21	Oct02	Oct14	172	151	130	37
	32	Apr05	Apr20	May04	Sep28	Oct11	Oct24	192	174	155	30
	28	Mar24	Apr07	Apr21	Oct09	Oct24	Nov07	217	199	180	22
AMITY 4 NE	36	Apr18	Apr30	May12	Sep16	Oct02	Oct18	174	155	135	42
	32	Apr04	Apr17	May01	Sep24	Oct09	Oct25	197	174	152	36
	28	Mar27	Apr10	Apr24	Oct05	Oct21	Nov06	218	193	168	29
ANDERSON	36	Apr15	May01	May17	Sep22	Oct04	Oct16	175	155	135	35
	32	Apr08	Apr22	May06	Sep26	Oct10	Oct23	188	170	152	28
	28	Mar26	Apr09	Apr23	Oct11	Oct27	Nov12	221	200	179	21
APPLETON CITY	36	Apr12	Apr25	May08	Sep26	Oct09	Oct23	187	166	146	36
	32	Apr03	Apr13	Apr23	Oct03	Oct20	Nov06	209	189	169	30
	28	Mar23	Apr05	Apr18	Oct16	Nov01	Nov16	229	209	188	22
ARCADIA 3 N	36	Apr19	May07	May26	Sep19	Oct01	Oct14	166	146	127	37
	32	Apr05	Apr22	May10	Sep27	Oct10	Oct22	193	169	146	30
	28	Mar25	Apr10	Apr26	Oct02	Oct19	Nov06	213	192	170	22
BETHANY	36	Apr16	May01	May17	Sep14	Sep29	Oct14	175	150	126	42
	32	Apr04	Apr17	Apr29	Sep25	Oct12	Oct28	199	177	156	36
	28	Mar23	Apr06	Apr20	Oct11	Oct25	Nov09	223	202	180	28
BILLINGS 2 N	36	Apr15	Apr28	May12	Sep24	Oct05	Oct17	177	160	142	38
	32	Apr02	Apr15	Apr29	Sep30	Oct18	Nov05	209	185	162	31
	28	Mar23	Apr04	Apr15	Oct14	Nov01	Nov19	231	210	189	23
BOLIVAR 1 NE	36	Apr17	May03	May20	Sep17	Oct02	Oct18	178	151	125	39
	32	Apr05	Apr22	May09	Sep22	Oct10	Oct28	198	170	142	32
	28	Mar24	Apr06	Apr20	Oct06	Oct25	Nov13	227	201	174	24
BOONVILLE	36	Apr02	Apr16	Apr29	Sep26	Oct11	Oct26	199	177	155	37
	32	Mar28	Apr07	Apr17	Oct03	Oct22	Nov09	218	197	177	30
	28	Mar18	Mar31	Apr14	Oct18	Nov04	Nov22	240	217	195	23
BOWLING GREEN 2 NE	36	Apr23	May09	May25	Sep15	Sep29	Oct12	162	142	121	42
	32	Apr11	Apr27	May13	Sep24	Oct07	Oct19	182	162	142	36
	28	Mar30	Apr12	Apr25	Oct04	Oct19	Nov04	212	189	166	28
BROOKFIELD	36	Apr16	Apr29	May12	Sep22	Oct06	Oct20	177	160	142	38
	32	Apr02	Apr15	Apr29	Sep28	Oct14	Oct31	201	181	161	31
	28	Mar25	Apr05	Apr16	Oct14	Oct28	Nov10	222	205	188	24
BRUNSWICK	36	Apr11	Apr26	May12	Sep24	Oct08	Oct22	184	164	143	40
	32	Apr01	Apr16	May01	Sep27	Oct13	Oct29	203	179	155	33
	28	Mar25	Apr06	Apr17	Oct12	Oct27	Nov10	222	203	184	26
BUNKER 4 N	36	Apr12	Apr28	May15	Sep21	Oct05	Oct18	183	158	134	36
	32	Mar29	Apr15	May02	Sep26	Oct13	Oct30	208	180	152	29
	28	Mar19	Apr01	Apr14	Oct13	Oct30	Nov16	231	211	191	22

BUTLER	36	Apr14	Apr30	May16	Sep21	Oct04	Oct17	178	156	134	37
	32	Apr02	Apr18	May03	Sep26	Oct14	Oct31	204	179	153	30
	28	Mar22	Apr05	Apr20	Oct10	Oct29	Nov17	227	206	184	22
CALIFORNIA	36	Apr09	Apr23	May07	Sep25	Oct10	Oct26	190	170	150	34
	32	Mar29	Apr09	Apr20	Oct07	Oct23	Nov09	215	197	179	27
	28	Mar20	Apr01	Apr13	Oct18	Nov03	Nov19	233	215	198	20
CANTON L AND D 20	36	Apr07	Apr23	May10	Sep24	Oct07	Oct20	186	166	145	39
	32	Mar31	Apr10	Apr21	Oct04	Oct21	Nov07	212	193	175	32
	28	Mar24	Apr03	Apr14	Oct16	Oct31	Nov15	228	210	192	25
CAPE GIRARDEAU AP	36	Apr02	Apr16	Apr30	Sep27	Oct12	Oct28	197	178	160	31
	32	Mar22	Apr05	Apr18	Oct08	Oct24	Nov09	223	201	180	24
	28	Mar10	Mar26	Apr10	Oct21	Nov08	Nov25	252	227	202	16
CARROLLTON	36	Apr15	Apr28	May10	Sep20	Oct05	Oct21	181	160	139	38
	32	Apr01	Apr15	Apr30	Sep28	Oct13	Oct29	203	180	157	31
	28	Mar24	Apr05	Apr17	Oct14	Oct28	Nov11	222	205	188	23
CARTHAGE 5 S	36	Apr09	Apr24	May08	Sep24	Oct08	Oct21	187	166	145	35
	32	Mar30	Apr11	Apr24	Oct05	Oct24	Nov12	220	195	169	28
	28	Mar07	Mar26	Apr14	Oct20	Nov05	Nov22	245	223	202	20
CARUTHERSVILLE	36	Mar30	Apr12	Apr24	Oct06	Oct18	Oct31	207	189	171	29
	32	Mar19	Apr01	Apr13	Oct14	Nov01	Nov19	233	214	194	21
	28	Feb25	Mar14	Apr01	Oct28	Nov16	Dec05	276	246	215	14
CASSVILLE RANGER STN	36	Apr16	May02	May18	Sep20	Oct01	Oct13	172	152	132	39
	32	Apr09	Apr23	May08	Sep25	Oct10	Oct24	187	169	150	32
	28	Mar27	Apr10	Apr23	Oct09	Oct24	Nov08	217	197	177	24
CHARLESTON	36	Apr02	Apr16	Apr29	Sep30	Oct13	Oct26	200	180	159	33
	32	Mar23	Apr06	Apr19	Oct06	Oct23	Nov10	221	200	179	25
	28	Mar09	Mar25	Apr11	Oct23	Nov10	Nov29	256	229	202	17
CLEARWATER DAM	36	Apr10	Apr27	May14	Sep28	Oct09	Oct20	183	164	145	38
	32	Mar30	Apr13	Apr28	Oct08	Oct20	Nov01	206	189	171	31
	28	Mar20	Apr02	Apr15	Oct20	Nov01	Nov14	231	213	194	23
CLINTON	36	Apr15	Apr28	May12	Sep23	Oct05	Oct17	178	159	140	40
	32	Apr03	Apr18	May02	Oct01	Oct17	Nov03	204	182	160	33
	28	Mar20	Apr04	Apr20	Oct13	Oct28	Nov13	230	207	183	25
COLUMBIA RGNL AP	36	Apr12	Apr24	May06	Sep24	Oct07	Oct21	184	166	147	37
	32	Mar30	Apr10	Apr21	Oct05	Oct21	Nov06	212	193	174	29
	28	Mar21	Apr02	Apr14	Oct15	Nov02	Nov20	235	213	191	22
CONCEPTION	36	Apr13	Apr27	May12	Sep18	Oct03	Oct19	179	159	138	43
	32	Apr05	Apr17	May29	Sep26	Oct11	Oct27	198	176	155	36
	28	Mar25	Apr07	Apr20	Oct05	Oct25	Nov14	221	200	178	28
DONIPHAN	36	Apr10	Apr29	May18	Sep23	Oct05	Oct16	179	158	137	38
	32	Apr06	Apr20	May03	Sep30	Oct13	Oct25	193	175	157	31
	28	Mar22	Apr05	Apr18	Oct09	Oct24	Nov08	223	202	181	25
DORA	36	Apr17	May04	May20	Sep22	Oct04	Oct15	171	152	134	38
	32	Apr03	Apr19	May05	Sep27	Oct13	Oct29	200	177	153	31
	28	Mar23	Apr08	Apr24	Oct06	Oct27	Nov17	233	201	170	23
ELDON	36	Apr06	Apr18	Apr30	Sep25	Oct11	Oct27	198	175	153	35
	32	Mar28	Apr09	Apr22	Oct11	Oct24	Nov07	217	197	178	29
	28	Mar15	Mar30	Apr14	Oct17	Nov07	Nov27	247	221	195	22
ELSBERRY 1 S	36	Apr18	May02	May16	Sep22	Oct05	Oct17	176	155	135	39
	32	Apr05	Apr21	May06	Sep27	Oct10	Oct24	194	172	150	32
	28	Mar27	Apr08	Apr19	Oct10	Oct24	Nov06	215	198	181	24
FARMINGTON	36	Apr16	May03	May20	Sep19	Oct04	Oct18	177	153	129	38
	32	Apr01	Apr18	May05	Sep26	Oct09	Oct22	197	174	151	31
	28	Mar25	Apr08	Apr23	Sep30	Oct17	Nov02	211	191	170	24
FESTUS	36	Apr11	Apr29	May17	Sep20	Oct04	Oct18	181	157	132	38
	32	Apr02	Apr17	May02	Sep28	Oct11	Oct24	197	176	155	31
	28	Mar22	Apr08	Apr25	Oct07	Oct24	Nov10	227	198	170	23

FREDERICKTOWN	36 32 28	Apr'19 Apr'09 Mar'28	May'07 Apr'26 Apr'14	May'24 May'13 May'02	Sep'13 Sep'26 Sep'30	Sep'26 Oct'07 Oct'15	Oct'10 Oct'18 Oct'31	166 183 208	142 163 183	118 143 159	40 33 26
FREEDOM	36 32 28	Apr'16 Mar'29 Mar'23	May'02 Apr'14 Apr'07	May'18 Apr'30 Apr'22	Sep'18 Sep'26 Oct'02	Oct'03 Oct'10 Oct'21	Oct'18 Oct'24 Nov'10	175 200 225	154 178 197	133 156 169	37 31 23
FULTON	36 32 28	Apr'13 Mar'31 Mar'22	Apr'26 Apr'11 Apr'04	May'09 Apr'22 Apr'17	Sep'25 Oct'03 Oct'15	Oct'07 Oct'18 Oct'30	Oct'19 Nov'01 Nov'14	181 206 227	163 189 208	146 171 190	39 32 24
GALENA 1 SW	36 32 28	Apr'17 Apr'08 Mar'22	May'02 Apr'21 Apr'07	May'18 May'05 Apr'23	Sep'20 Sep'29 Oct'06	Oct'02 Oct'12 Oct'27	Oct'14 Oct'25 Nov'17	174 194 227	152 173 202	131 151 178	38 31 23
GALLATIN 4 W	36 32 28	Apr'16 Mar'29 Mar'29	Apr'28 Apr'17 Apr'08	May'10 May'01 Apr'19	Sep'28 Oct'09 Oct'16	Oct'20 Oct'26 Oct'31	Nov'11 Nov'12 Nov'15	201 214 223	174 191 205	147 169 187	41 35 29
GRANT CITY	36 32 28	Apr'16 Apr'07 Mar'29	Apr'29 Apr'22 Apr'10	May'11 May'06 Apr'22	Sep'18 Sep'25 Oct'03	Oct'03 Oct'09 Oct'22	Oct'18 Oct'24 Nov'10	176 189 218	156 170 195	137 151 171	42 36 28
GROVESPRING 3 N	36 32 28	Apr'20 Apr'02 Mar'23	May'06 Apr'20 Apr'08	May'23 May'07 Apr'24	Sep'15 Sep'26 Oct'06	Sep'29 Oct'09 Oct'26	Oct'13 Oct'22 Nov'14	168 195 227	145 172 200	122 148 173	38 30 23
HAMILTON 2 W	36 32 28	Apr'23 Apr'14 Apr'04	May'11 Apr'29 Apr'18	May'29 May'14 May'03	Sep'11 Sep'24 Sep'29	Sep'23 Oct'06 Oct'14	Oct'04 Oct'19 Oct'28	155 180 196	134 159 177	113 138 159	46 39 32
HANNIBAL WATER WORKS	36 32 28	Apr'08 Mar'30 Mar'24	Apr'22 Apr'13 Apr'04	May'06 Apr'27 Apr'16	Sep'24 Oct'07 Oct'17	Oct'10 Oct'22 Nov'02	Oct'25 Nov'06 Nov'19	190 212 230	170 191 211	149 171 193	39 32 24
HOUSTON 1 NE	36 32 28	Apr'21 Apr'09 Mar'26	May'06 Apr'24 Apr'10	May'22 May'08 Apr'25	Sep'19 Sep'27 Sep'28	Sep'30 Oct'07 Oct'18	Oct'10 Oct'18 Nov'07	164 184 216	146 166 190	127 148 164	39 32 24
JACKSON	36 32 28	Apr'08 Mar'28 Mar'17	Apr'24 Apr'12 Mar'31	May'09 Apr'26 Apr'14	Sep'27 Oct'02 Oct'18	Oct'08 Oct'17 Nov'03	Oct'18 Oct'31 Nov'18	187 209 235	166 187 216	145 165 197	32 25 18
JEFFERSON CITY WTR PL	36 32 28	Apr'08 Mar'28 Mar'19	Apr'24 Apr'13 Apr'04	May'10 Apr'28 Apr'19	Sep'22 Oct'01 Oct'18	Oct'07 Oct'18 Nov'06	Oct'22 Nov'05 Nov'25	186 214 244	165 188 215	145 162 186	39 32 24
JOPLIN RGNL AP	36 32 28	Apr'06 Mar'22 Mar'04	Apr'21 Apr'06 Mar'25	May'06 Apr'21 Apr'14	Sep'26 Oct'05 Oct'19	Oct'11 Oct'25 Nov'06	Oct'26 Nov'13 Nov'25	197 227 257	172 201 226	148 175 195	31 24 17
KANSAS CITY DOWNTOWN AP	36 32 28	Apr'04 Mar'24 Mar'11	Apr'17 Apr'07 Mar'26	May'01 Apr'21 Apr'11	Sep'28 Oct'14 Oct'21	Oct'14 Oct'28 Nov'07	Oct'30 Nov'11 Nov'24	199 225 253	179 203 225	158 182 198	34 28 20
KENNETT RADIO KBOA	36 32 28	Mar'31 Mar'23 Mar'06	Apr'12 Apr'04 Mar'21	Apr'24 Apr'15 Apr'04	Sep'30 Oct'09 Oct'27	Oct'13 Oct'25 Nov'11	Oct'27 Nov'10 Nov'27	200 222 258	184 204 235	167 186 211	30 23 15
KIRKSVILLE	36 32 28	Apr'15 Apr'04 Mar'29	Apr'30 Apr'19 Apr'09	May'15 May'04 Apr'20	Sep'20 Sep'25 Oct'08	Oct'03 Oct'11 Oct'25	Oct'16 Oct'27 Nov'10	176 196 220	156 174 198	135 153 176	40 34 26
LAKESIDE	36 32 28	Apr'09 Mar'26 Mar'17	Apr'25 Apr'10 Mar'30	May'11 Apr'25 Apr'12	Sep'24 Oct'16 Oct'23	Oct'10 Oct'28 Nov'09	Oct'26 Nov'09 Nov'26	192 219 245	167 200 224	143 181 202	36 29 21
LAMAR	36 32 28	Apr'06 Mar'27 Mar'16	Apr'19 Apr'09 Mar'30	May'02 Apr'22 Apr'13	Sep'26 Oct'06 Oct'18	Oct'13 Oct'24 Nov'06	Oct'29 Nov'10 Nov'25	200 219 244	176 197 220	153 174 196	36 29 21
LEBANON 2 W	36 32 28	Apr'13 Apr'03 Mar'21	Apr'30 Apr'18 Apr'04	May'18 May'04 Apr'18	Sep'19 Sep'27 Oct'10	Oct'02 Oct'15 Oct'30	Oct'16 Nov'01 Nov'19	177 200 236	154 179 208	132 157 180	34 27 20

LEES SUMMIT REED WLR	36 32 28	Apr12 Mar28 Mar23	Apr29 Apr14 Apr06	May16 May02 Apr20	Sep20 Sep24 Oct11	Oct06 Oct13 Oct27	Oct22 Nov02 Nov13	187 211 227	159 181 203	131 151 179	38 32 24
LEXINGTON 3 NE	36 32 28	Apr06 Mar28 Mar21	Apr22 Apr12 Apr02	May09 Apr27 Apr15	Sep23 Oct01 Oct15	Oct08 Oct21 Oct29	Oct24 Nov09 Nov12	194 219 228	168 191 209	142 163 189	39 32 24
LICKING 4 N	36 32 28	Apr21 Apr10 Mar27	May07 Apr28 Apr14	May24 May15 May03	Sep17 Sep28 Oct03	Sep29 Oct08 Oct21	Oct12 Oct18 Nov08	164 183 218	144 162 189	124 142 161	39 32 24
LOCKWOOD	36 32 28	Apr09 Mar29 Mar19	Apr24 Apr10 Mar31	May08 Apr21 Apr13	Sep28 Oct07 Oct18	Oct11 Oct22 Nov05	Oct24 Nov06 Nov22	191 214 238	169 195 218	148 176 197	34 26 19
MALDEN MUNICIPAL AP	36 32 28	Mar29 Mar18 Mar08	Apr09 Mar31 Mar21	Apr20 Apr13 Apr03	Oct03 Oct13 Oct26	Oct17 Oct29 Nov14	Oct30 Nov14 Dec02	209 231 259	190 211 237	171 192 215	30 22 14
MANSFIELD	36 32 28	Apr14 Mar31 Mar20	May03 Apr18 Apr07	May21 May06 Apr25	Sep13 Sep23 Oct02	Oct02 Oct13 Oct26	Oct20 Nov02 Nov19	183 209 238	151 177 201	119 144 165	39 32 24
MARBLE HILL	36 32 28	Apr20 Apr06 Mar28	May05 Apr23 Apr12	May21 May09 Apr27	Sep19 Sep27 Oct04	Oct01 Oct09 Oct20	Oct13 Oct20 Nov04	169 187 213	148 168 190	126 149 167	36 29 22
MARSHALL	36 32 28	Apr11 Mar28 Mar22	Apr23 Apr10 Apr04	May05 Apr22 Apr17	Sep22 Oct01 Oct16	Oct06 Oct18 Oct30	Oct21 Nov04 Nov14	185 213 227	165 191 209	146 169 191	37 30 23
MARSHFIELD	36 32 28	Apr11 Mar31 Mar21	Apr24 Apr14 Apr02	May08 Apr27 Apr14	Sep26 Oct02 Oct15	Oct10 Oct19 Nov03	Oct24 Nov05 Nov22	187 212 237	168 188 215	149 164 192	34 27 20
MARYVILLE 2 E	36 32 28	Apr18 Apr09 Mar30	May01 Apr22 Apr11	May14 May05 Apr23	Sep12 Sep21 Sep30	Sep25 Oct07 Oct18	Oct08 Oct23 Nov04	167 188 212	147 167 189	126 147 167	46 40 32
MEMPHIS	36 32 28	Apr19 Apr06 Mar27	May03 Apr21 Apr11	May17 May06 Apr25	Sep17 Sep21 Oct09	Sep30 Oct10 Oct25	Oct13 Oct28 Nov09	169 196 217	150 171 196	131 146 175	42 35 27
MEXICO	36 32 28	Apr10 Mar31 Mar22	Apr24 Apr13 Apr05	May08 Apr26 Apr20	Sep23 Sep30 Oct10	Oct08 Oct16 Oct29	Oct22 Nov01 Nov16	188 208 230	166 185 206	144 163 181	41 34 26
MOBERLY	36 32 28	Apr10 Mar31 Mar19	Apr22 Apr11 Apr01	May04 Apr22 Apr15	Sep26 Oct08 Oct15	Oct09 Oct22 Nov02	Oct23 Nov06 Nov19	187 212 237	169 194 214	152 176 190	36 29 22
MOUNTAIN GROVE 2 N	36 32 28	Apr13 Apr01 Mar20	Apr30 Apr14 Apr02	May16 Apr26 Apr15	Sep23 Sep28 Oct12	Oct06 Oct18 Nov01	Oct19 Nov06 Nov21	179 213 237	159 186 212	138 159 187	36 29 21
MT VERNON M U SW CTR	36 32 28	Apr16 Apr06 Mar25	May02 Apr21 Apr07	May17 May06 Apr20	Sep23 Sep26 Oct08	Oct03 Oct12 Oct27	Oct14 Oct28 Nov14	174 198 221	154 174 201	134 149 182	37 30 22
NEOSHO	36 32 28	Apr16 Apr05 Mar19	May02 Apr19 Apr03	May18 May04 Apr17	Sep23 Sep24 Oct11	Oct04 Oct12 Oct28	Oct14 Oct30 Nov14	173 202 230	154 175 208	135 147 186	35 28 21
NEVADA WATER PLANT	36 32 28	Apr09 Apr02 Mar19	Apr26 Apr17 Apr05	May13 May02 Apr23	Sep19 Sep25 Oct02	Oct05 Oct13 Oct26	Oct21 Oct31 Nov19	189 205 234	161 178 203	133 152 172	36 29 22
NEW FRANKLIN 1 W	36 32 28	Apr12 Mar30 Mar21	Apr26 Apr11 Apr04	May09 Apr23 Apr17	Sep23 Sep29 Oct15	Oct06 Oct15 Oct30	Oct18 Oct31 Nov13	181 207 228	162 187 208	143 166 189	38 31 23
NEW MADRID	36 32 28	Mar28 Mar19 Mar03	Apr11 Apr01 Mar20	Apr24 Apr15 Apr06	Oct03 Oct12 Oct22	Oct17 Oct28 Nov11	Nov01 Nov14 Nov30	211 230 262	189 209 235	167 189 208	30 22 15

OLDFIELD	36 32 28	Apr14 Apr04 Mar27	May02 Apr21 Apr11	May20 May08 Apr27	Sep26 Oct02 Oct14	Oct16 Oct23 Oct30	Nov05 Nov13 Nov16	194 216 226	167 184 201	140 153 176	39 33 26
OREGON	36 32 28	Apr14 Apr04 Mar23	Apr26 Apr17 Apr06	May08 Apr30 Apr20	Sep20 Sep26 Oct08	Oct05 Oct12 Oct28	Oct20 Oct29 Nov16	179 197 224	161 177 204	143 158 184	44 36 29
OSCEOLA	36 32 28	Apr14 Apr06 Mar19	Apr30 Apr20 Apr03	May16 May04 Apr18	Sep22 Oct01 Oct15	Oct06 Oct18 Nov01	Oct20 Nov05 Nov17	179 205 235	158 180 211	137 156 187	35 28 21
OZARK BEACH	36 32 28	Apr14 Apr04 Mar22	Apr29 Apr16 Apr04	May13 Apr28 Apr18	Sep25 Oct02 Oct18	Oct07 Oct20 Nov04	Oct19 Nov06 Nov20	180 209 235	160 186 213	141 163 191	39 31 23
PERRYVILLE WATER PLANT	36 32 28	Apr16 Apr03 Mar23	May01 Apr21 Apr07	May16 May08 Apr22	Sep15 Sep28 Oct04	Sep30 Oct10 Oct22	Oct15 Oct22 Nov09	170 191 216	151 172 197	132 152 178	39 31 23
PLATTSBURG	36 32 28	Apr20 Apr20 Apr08	May03 Apr29 Apr21	May16 May08 May04	Sep12 Sep19 Oct01	Sep25 Oct03 Oct20	Oct07 Oct18 Nov09	164 174 205	144 157 181	124 140 157	46 40 33
POMME DE TERRE DAM	36 32 28	Apr11 Mar29 Mar20	Apr27 Apr15 Apr02	May13 May02 Apr15	Sep25 Sep27 Oct17	Oct08 Oct16 Nov04	Oct21 Nov04 Nov22	184 208 240	163 184 216	143 159 191	37 30 22
POPLAR BLUF	36 32 28	Mar30 Mar22 Mar09	Apr13 Apr04 Mar24	Apr27 Apr17 Apr08	Oct04 Oct14 Oct28	Oct17 Oct28 Nov12	Oct30 Nov12 Nov26	204 228 254	186 207 232	168 185 210	32 25 17
PORTAGEVILLE	36 32 28	Mar29 Mar17 Mar04	Apr09 Mar31 Mar17	Apr19 Apr13 Mar31	Oct05 Oct11 Oct27	Oct18 Oct29 Nov16	Oct31 Nov16 Dec05	208 231 269	192 212 242	175 192 216	28 21 13
PRINCETON 6 SW	36 32 28	Apr15 Apr10 Mar28	Apr29 Apr21 Apr09	May12 May02 Apr20	Sep14 Sep23 Oct03	Sep30 Oct09 Oct20	Oct16 Oct26 Nov05	175 189 215	153 171 193	131 153 172	42 36 28
ROLLA UNI OF MISSOURI	36 32 28	Apr05 Mar27 Mar14	Apr17 Apr08 Mar27	Apr30 Apr19 Apr09	Sep28 Oct15 Oct20	Oct12 Oct27 Nov07	Oct27 Nov08 Nov25	196 218 244	177 201 224	158 185 204	34 28 20
ST CHARLES ELM POINT	36 32 28	Apr11 Mar29 Mar20	Apr25 Apr12 Apr02	May10 Apr27 Apr15	Sep25 Oct02 Oct18	Oct07 Oct17 Nov02	Oct19 Nov02 Nov18	184 212 234	164 187 214	143 162 193	38 32 23
ST LOUIS SCIENCE CTR	36 32 28	Mar27 Mar19 Mar03	Apr17 Apr07 Mar22	May07 Apr26 Apr09	Sep28 Oct13 Oct25	Oct16 Oct29 Nov11	Nov03 Nov14 Nov29	213 230 258	182 204 234	150 179 210	32 26 18
ST LOUIS INTL AP	36 32 28	Apr03 Mar26 Mar11	Apr15 Apr07 Mar26	Apr27 Apr19 Apr10	Oct04 Oct14 Oct26	Oct17 Oct29 Nov10	Oct30 Nov12 Nov26	205 223 254	184 204 229	163 184 203	33 25 18
SALEM	36 32 28	Apr18 Apr01 Mar23	May03 Apr18 Apr04	May18 May05 Apr16	Sep22 Sep28 Oct10	Oct04 Oct12 Oct28	Oct15 Oct25 Nov15	170 198 229	153 176 207	135 154 184	35 28 21
SALISBURY	36 32 28	Apr15 Mar31 Mar26	Apr28 Apr14 Apr07	May11 Apr27 Apr19	Sep15 Sep27 Oct04	Oct03 Oct12 Oct22	Oct20 Oct27 Nov09	180 205 223	157 181 197	135 156 172	39 33 25
SAVERTON LOCK & DAM 22	36 32 28	Apr04 Mar30 Mar17	Apr16 Apr08 Mar30	Apr28 Apr16 Apr13	Oct02 Oct11 Oct29	Oct15 Oct27 Nov11	Oct29 Nov12 Nov24	200 220 244	182 202 225	164 184 206	37 30 22
SEDALIA WATER PLANT	36 32 28	Apr14 Apr02 Mar25	May01 Apr19 Apr09	May17 May05 Apr24	Sep17 Sep25 Oct08	Oct02 Oct10 Oct24	Oct16 Oct26 Nov10	176 200 218	153 174 198	130 148 177	41 35 27
SELIGMAN	36 32 28	Apr14 Apr04 Mar22	May01 Apr19 Apr07	May17 May04 Apr23	Sep21 Sep24 Oct09	Oct03 Oct13 Oct29	Oct14 Nov01 Nov18	175 204 226	154 177 204	134 149 181	38 30 23

SHELBINA	36 32 28	Apr18 Apr11 Mar27	May04 Apr25 Apr09	May20 May09 Apr22	Sep14 Sep22 Oct05	Oct01 Oct09 Oct22	Oct18 Oct26 Nov08	173 189 220	149 166 195	126 144 170	40 33 25
SIKESTON POWER STATION	36 32 28	Mar30 Mar17 Mar07	Apr12 Apr02 Mar21	Apr25 Apr19 Apr05	Oct02 Oct09 Oct25	Oct14 Oct27 Nov12	Oct26 Nov14 Dec01	199 230 259	184 207 235	169 184 212	31 23 16
SPICKARD 7 W	36 32 28	Apr16 Apr10 Mar30	May03 Apr24 Apr10	May19 May08 Apr21	Sep13 Sep21 Sep30	Sep27 Oct04 Oct18	Oct12 Oct18 Nov05	169 182 211	147 163 190	125 144 169	44 37 30
SPRINGFIELD REG AP	36 32 28	Apr11 Mar31 Mar20	Apr27 Apr15 Apr02	May12 Apr29 Apr15	Sep25 Oct04 Oct19	Oct09 Oct21 Nov05	Oct22 Nov07 Nov23	186 212 238	164 188 217	143 165 195	34 27 19
STEELVILLE 2 N	36 32 28	Apr30 Apr20 Apr08	May14 May05 Apr23	May28 May21 May07	Sep09 Sep17 Sep25	Sep24 Oct01 Oct09	Oct09 Oct14 Oct22	155 167 191	132 147 168	109 127 146	45 38 31
STEFFENVILLE	36 32 28	Apr14 Apr01 Mar25	Apr30 Apr18 Apr06	May16 May04 Apr18	Sep23 Sep25 Oct07	Oct05 Oct11 Oct24	Oct17 Oct28 Nov10	177 201 221	157 176 200	137 151 179	40 33 25
STOCKTON DAM	36 32 28	Apr08 Mar28 Mar16	Apr22 Apr10 Mar28	May07 Apr23 Apr10	Sep25 Oct01 Oct19	Oct11 Oct21 Nov06	Oct27 Nov10 Nov24	193 216 245	171 193 222	149 170 199	35 28 20
SUMMERSVILLE	36 32 28	Apr13 Mar29 Mar20	Apr30 Apr14 Apr02	May16 Apr29 Apr15	Sep25 Sep28 Oct13	Oct06 Oct13 Oct28	Oct18 Oct29 Nov11	179 201 229	159 182 208	139 162 187	35 28 20
SWEET SPRINGS	36 32 28	Apr14 Apr02 Mar27	Apr28 Apr16 Apr07	May12 May01 Apr18	Sep20 Sep27 Oct12	Oct03 Oct12 Oct27	Oct17 Oct28 Nov12	174 199 220	157 179 203	140 158 186	37 30 22
TARKIO	36 32 28	Apr17 Apr06 Mar27	Apr30 Apr20 Apr09	May13 May03 Apr23	Sep13 Sep21 Sep29	Sep26 Oct07 Oct15	Oct09 Oct22 Nov01	168 186 208	149 169 188	129 153 168	44 38 31
TRENTON	36 32 28	Apr16 Apr04 Mar29	Apr29 Apr19 Apr08	May12 May04 Apr17	Sep16 Sep24 Oct07	Oct07 Oct14 Oct24	Oct28 Nov03 Nov10	184 203 217	160 177 198	137 151 180	42 36 28
UNION	36 32 28	Apr17 Apr06 Mar25	May02 Apr22 Apr08	May18 May08 Apr23	Sep19 Sep26 Oct06	Oct02 Oct09 Oct21	Oct15 Oct22 Nov06	170 190 218	152 170 195	134 150 173	37 30 22
VANDALLA	36 32 28	Apr13 Mar31 Mar22	Apr26 Apr14 Apr04	May09 Apr27 Apr16	Sep24 Oct02 Oct12	Oct07 Oct17 Oct30	Oct20 Nov01 Nov17	182 208 230	164 185 208	145 163 186	39 32 24
VERSAILLES	36 32 28	Apr12 Mar29 Mar24	Apr28 Apr15 Apr06	May13 May01 Apr19	Sep24 Sep30 Oct18	Oct06 Oct16 Oct30	Oct18 Oct31 Nov11	181 206 226	160 183 206	139 161 187	36 29 22
VICHY ROLLA NATL AP	36 32 28	Apr08 Mar26 Mar19	Apr22 Apr09 Mar31	May05 Apr24 Apr12	Sep26 Oct09 Oct18	Oct10 Oct24 Nov05	Oct24 Nov07 Nov23	192 219 240	171 197 218	149 174 196	34 27 20
VIENNA 2 WNW	36 32 28	Apr20 Apr13 Mar28	May06 Apr26 Apr10	May22 May10 Apr23	Sep12 Sep25 Oct01	Sep28 Oct08 Oct17	Oct13 Oct21 Nov03	167 181 209	143 164 190	120 147 170	40 33 25
WAPPAPELLO DAM	36 32 28	Apr01 Mar21 Mar06	Apr13 Apr03 Mar21	Apr26 Apr16 Apr05	Oct06 Oct16 Oct30	Oct21 Nov01 Nov12	Nov04 Nov16 Nov26	210 230 257	190 211 236	169 192 214	32 26 18
WARRENSBURG 4 NW	36 32 28	Apr12 Mar31 Mar24	Apr28 Apr17 Apr06	May13 May04 Apr19	Sep15 Sep27 Oct13	Oct04 Oct15 Oct27	Oct23 Nov02 Nov10	187 210 223	159 181 204	131 151 184	39 32 25
WARRENTON 1 N	36 32 28	Apr11 Mar29 Mar20	Apr24 Apr11 Apr01	May06 Apr24 Apr14	Sep22 Sep29 Oct12	Oct07 Oct15 Oct30	Oct22 Oct31 Nov18	185 209 233	166 186 211	147 164 190	37 31 23

WASOLA	36	Apr05	Apr21	May08	Sep22	Oct09	Oct26	198	170	142	34
	32	Mar29	Apr10	Apr23	Oct01	Oct23	Nov14	224	195	166	26
	28	Mar16	Mar30	Apr12	Oct23	Nov08	Nov24	244	223	201	19
WAYNESVILLE 2 W	36	Apr24	May10	May25	Sep10	Sep25	Oct10	160	138	116	39
	32	Apr13	Apr29	May15	Sep25	Oct06	Oct16	180	159	138	33
	28	Mar28	Apr16	May05	Oct01	Oct17	Nov02	208	183	158	25
WELDON SPRING NWS	36	Apr15	Apr30	May15	Sep16	Oct05	Oct24	182	157	133	38
	32	Apr01	Apr17	May03	Sep25	Oct13	Oct31	203	178	153	31
	28	Mar20	Apr06	Apr23	Oct02	Oct24	Nov16	233	200	168	24
WEST PLAINS	36	Apr12	Apr26	May10	Sep26	Oct07	Oct18	182	163	144	36
	32	Mar30	Apr14	Apr28	Oct04	Oct17	Oct30	204	186	167	29
	28	Mar22	Apr04	Apr18	Oct14	Oct28	Nov12	227	206	186	22
WILLOW SPRG RADIO KUKU	36	Apr14	May01	May17	Sep26	Oct07	Oct19	176	159	142	35
	32	Mar30	Apr18	May07	Sep29	Oct16	Nov02	204	180	156	28
	28	Mar21	Apr05	Apr20	Oct11	Oct28	Nov13	227	205	183	20
WINDSOR	36	Apr17	Apr29	May11	Sep22	Oct08	Oct24	182	161	141	40
	32	Apr01	Apr15	Apr30	Sep28	Oct16	Nov04	208	183	158	33
	28	Mar23	Apr04	Apr17	Oct10	Oct29	Nov18	232	207	182	25

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 (Aug 1 - Jul 31).  
(percent of days with temperatures at or below the threshold temperature)



Freeze / Frost Occurrence Data

All probabilities in whole percent. See notes for probability level description.  
- Indicates the probability of occurrence of threshold temperatureis less than indicated probability.

State And Station Name	Thresh old (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			Prob abil ity  (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
Mississippi											
ABERDEEN	36	Mar26	Apr10	Apr25	Oct09	Oct26	Nov12	218	198	178	21
	32	Mar09	Mar26	Apr13	Oct21	Nov06	Nov21	247	224	201	14
	28	Feb09	Mar02	Mar24	Nov04	Nov18	Dec03	287	260	234	8
BATESVILLE 2 SW	36	Apr03	Apr14	Apr25	Oct01	Oct15	Oct29	197	183	169	27
	32	Mar20	Apr02	Apr16	Oct10	Oct27	Nov13	225	207	188	21
	28	Mar02	Mar20	Apr08	Oct24	Nov09	Nov25	257	233	209	13
BELZONI	36	Mar12	Mar28	Apr12	Oct13	Oct31	Nov19	241	217	192	18
	32	Feb14	Mar10	Apr04	Oct27	Nov14	Dec02	275	248	221	12
	28	Jan25	Feb18	Mar14	Nov07	Nov28	Dec19	317	283	248	6
BILOXI	36	Feb14	Mar08	Mar30	Nov03	Nov24	Dec16	287	261	234	7
	32	Jan30	Feb23	Mar19	Nov12	Dec10	Jan07	321	287	256	4
	28	Dec29	Feb03	Mar04	Nov25	Dec31	Feb16	>365	327	284	1
BOONEVILLE	36	Mar28	Apr11	Apr24	Oct05	Oct23	Nov09	216	194	173	26
	32	Mar18	Apr01	Apr14	Oct19	Nov04	Nov20	238	216	194	18
	28	Feb27	Mar15	Mar31	Nov03	Nov20	Dec08	272	249	227	12
BROOKHAVEN CITY	36	Mar23	Apr05	Apr18	Oct12	Oct26	Nov10	221	204	186	19
	32	Mar01	Mar21	Apr10	Oct24	Nov09	Nov25	260	232	204	13
	28	Feb06	Mar01	Mar25	Nov07	Nov25	Dec13	300	268	237	7
CALHOUN CITY 2 NW	36	Apr02	Apr15	Apr27	Oct04	Oct16	Oct27	198	183	168	24
	32	Mar25	Apr05	Apr15	Oct12	Oct29	Nov14	227	206	185	17
	28	Mar03	Mar20	Apr06	Oct24	Nov09	Nov25	255	233	211	11
CANTON 4 N	36	Mar20	Apr04	Apr19	Oct07	Oct25	Nov12	227	203	180	21
	32	Mar06	Mar24	Apr11	Oct20	Nov06	Nov23	253	226	199	14
	28	Feb07	Mar03	Mar26	Nov01	Nov20	Dec08	292	261	231	9
CARTHAGE 3 SW	36	Mar26	Apr08	Apr21	Oct06	Oct21	Nov05	215	195	175	23
	32	Mar14	Mar29	Apr13	Oct16	Nov02	Nov20	240	218	195	17
	28	Feb21	Mar09	Mar26	Oct28	Nov16	Dec05	280	251	222	10
CHARLESTON 1 N	36	Mar30	Apr10	Apr21	Oct06	Oct21	Nov05	212	193	175	24
	32	Mar17	Mar31	Apr13	Oct17	Nov02	Nov17	237	215	194	17
	28	Feb17	Mar10	Apr01	Oct31	Nov17	Dec04	276	251	225	11
CLARKSDALE	36	Mar16	Mar30	Apr13	Oct17	Nov01	Nov16	236	216	195	21
	32	Feb21	Mar14	Apr04	Oct26	Nov12	Nov29	269	242	215	14
	28	Jan31	Feb25	Mar21	Nov09	Nov28	Dec18	306	276	246	8
COLLINS	36	Mar17	Mar31	Apr15	Oct14	Oct30	Nov16	234	212	191	16
	32	Mar02	Mar20	Apr07	Oct26	Nov11	Nov27	261	235	210	11
	28	Feb06	Feb27	Mar20	Nov07	Nov26	Dec16	302	272	241	6
COLUMBIA	36	Mar11	Mar28	Apr14	Oct16	Nov02	Nov20	244	218	192	15
	32	Feb23	Mar13	Mar31	Oct30	Nov16	Dec03	271	248	224	10
	28	Feb04	Feb24	Mar17	Nov02	Dec01	Dec31	308	277	249	5
CORINTH CITY	36	Apr01	Apr14	Apr27	Oct01	Oct14	Oct27	198	182	166	25
	32	Mar24	Apr06	Apr19	Oct08	Oct26	Nov14	224	203	181	19
	28	Mar05	Mar20	Apr03	Oct23	Nov07	Nov21	252	231	211	12

CRYSTAL SPRINGS EXP STN	36 32 28	Mar12 Feb17 Jan17	Mar29 Mar13 Feb16	Apr15 Apr07 Mar18		Oct17 Oct28 Nov04	Nov04 Nov19 Dec01	Nov22 Dec12 Dec28	246 282 327	220 250 287	193 219 247	14 8 4
D LO 2 SW	36 32 28	Mar24 Mar16 Feb21	Apr08 Mar30 Mar09	Apr22 Apr13 Mar24		Oct06 Oct11 Oct27	Oct20 Oct30 Nov13	Nov02 Nov17 Dec01	211 234 275	194 213 249	177 192 223	23 18 11
EUPORA 2 E	36 32 28	Mar31 Mar24 Mar04	Apr12 Apr05 Mar22	Apr23 Apr18 Apr08		Oct02 Oct07 Oct25	Oct15 Oct24 Nov11	Oct28 Nov11 Nov28	200 222 260	185 201 233	170 181 207	23 17 11
FOREST 3 S	36 32 28	Mar31 Mar15 Feb24	Apr12 Mar31 Mar14	Apr24 Apr15 Mar31		Oct05 Oct18 Nov01	Oct18 Nov01 Nov16	Oct30 Nov15 Dec02	204 235 269	188 215 247	172 195 226	21 15 9
FULTON 3 W	36 32 28	Apr01 Mar24 Mar05	Apr17 Apr08 Mar22	May03 Apr24 Apr08		Oct01 Oct06 Oct22	Oct14 Oct24 Nov10	Oct26 Nov12 Nov29	198 224 259	179 198 232	160 173 205	24 17 11
GREENVILLE	36 32 28	Mar10 Feb19 Feb04	Mar27 Mar09 Feb24	Apr13 Mar27 Mar15		Oct18 Oct29 Nov07	Nov02 Nov17 Nov28	Nov18 Dec05 Dec18	243 278 304	220 252 276	196 226 249	18 11 6
GREENWOOD LEFLORE AP	36 32 28	Mar14 Feb22 Jan25	Apr01 Mar18 Feb27	Apr19 Mar12 Mar24		Oct10 Oct19 Oct31	Oct31 Nov14 Nov25	Nov21 Dec09 Dec26	241 283 >365	212 240 270	184 196 232	19 12 7
GRENADA 5 NNE	36 32 28	Mar31 Mar17 Feb21	Apr11 Apr02 Mar12	Apr21 Apr17 Mar31		Oct06 Oct12 Oct26	Oct19 Oct31 Nov16	Nov01 Nov18 Dec08	206 234 280	191 211 249	175 189 217	25 18 11
GULFPORT NAVAL CENTER	36 32 28	Feb18 Jan30 Jan06	Mar10 Feb21 Feb05	Mar30 Mar16 Mar05		Oct31 Nov08 Nov23	Nov21 Dec07 Dec24	Dec11 Jan05 Jan28	279 317 >365	255 288 319	231 259 282	8 4 2
HATTIESBURG 5 SW	36 32 28	Mar15 Feb21 Feb02	Mar29 Mar12 Feb21	Apr11 Mar31 Mar11		Oct16 Nov05 Nov07	Nov03 Nov19 Dec07	Nov21 Dec03 Jan06	243 274 320	218 251 286	194 228 256	16 10 5
HERNANDO 5 S	36 32 28	Mar25 Mar13 Feb22	Apr07 Mar28 Mar11	Apr19 Apr12 Mar28		Oct12 Oct22 Oct31	Oct27 Nov04 Nov18	Nov11 Nov17 Dec07	223 240 276	202 220 252	182 200 227	21 15 10
HICKORY FLAT	36 32 28	Apr05 Mar28 Mar16	Apr17 Apr11 Mar29	Apr29 Apr25 Apr11		Sep29 Oct05 Oct23	Oct12 Oct22 Nov06	Oct24 Nov08 Nov19	192 212 240	177 194 221	162 176 202	25 19 12
HOLLY SPRINGS 4 N	36 32 28	Apr06 Mar28 Mar15	Apr18 Apr09 Mar28	Apr29 Apr21 Apr11		Sep29 Oct05 Oct17	Oct11 Oct21 Nov02	Oct23 Nov05 Nov17	192 211 238	176 194 218	160 176 197	29 22 15
HOUSTON	36 32 28	Apr05 Mar24 Mar03	Apr17 Apr07 Mar21	Apr29 Apr20 Apr08		Oct04 Oct07 Oct18	Oct13 Oct25 Nov05	Oct23 Nov12 Nov22	194 219 252	179 200 228	163 182 203	26 19 13
INDEPENDENCE 1 W	36 32 28	Mar27 Mar19 Feb27	Apr11 Apr02 Mar18	Apr25 Apr16 Apr06		Oct04 Oct15 Oct23	Oct16 Oct30 Nov10	Oct27 Nov14 Nov27	204 232 265	187 210 235	171 188 206	26 20 13
JACKSON THOMPSON AP	36 32 28	Mar22 Mar07 Feb04	Apr05 Mar23 Feb27	Apr18 Apr08 Mar21		Oct11 Oct23 Nov07	Oct29 Nov09 Nov23	Nov16 Nov26 Dec10	226 254 297	206 230 269	187 207 241	18 13 7
KIPLING 3 NW	36 32 28	Apr03 Mar25 Mar04	Apr16 Apr05 Mar21	Apr29 Apr16 Apr06		Oct04 Oct10 Oct27	Oct15 Oct26 Nov13	Oct27 Nov11 Nov30	199 219 263	182 203 237	165 188 211	23 16 10
KOSCIUSKO	36 32 28	Mar28 Mar10 Feb17	Apr10 Mar28 Mar11	Apr23 Apr15 Apr02		Oct03 Oct19 Nov03	Oct18 Nov03 Nov18	Nov01 Nov18 Dec04	209 242 280	190 219 251	171 196 223	25 18 11
LAUREL	36 32 28	Mar16 Feb26 Feb01	Mar30 Mar12 Feb21	Apr13 Mar27 Mar13		Oct18 Oct29 Nov09	Nov03 Nov15 Nov29	Nov18 Dec03 Dec19	235 270 309	217 247 280	198 225 252	18 12 7

LEXINGTON 2 NNW	36 32 28	Apr01 Mar22 Feb28	Apr13 Apr05 Mar19	Apr25 Apr19 Apr07		Oct05 Oct12 Oct29	Oct18 Oct30 Nov14	Oct31 Nov16 Nov29	200 230 265	187 207 239	174 183 212	22 16 10
LIBERTY 5 W	36 32 28	Mar21 Mar03 Feb13	Apr04 Mar21 Mar06	Apr18 Apr09 Mar27		Oct08 Oct27 Nov02	Oct27 Nov10 Nov19	Nov16 Nov25 Dec07	227 256 290	205 233 258	184 210 226	20 14 8
LOUISVILLE	36 32 28	Mar26 Mar16 Feb19	Apr06 Mar31 Mar09	Apr18 Apr14 Mar27		Oct12 Oct28 Nov03	Oct28 Nov11 Nov20	Nov13 Nov25 Dec07	226 247 279	204 225 255	182 203 230	21 15 9
MCCOMB PIKE CO AP	36 32 28	Mar17 Mar01 Feb01	Apr01 Mar18 Feb25	Apr16 Apr04 Mar21		Oct18 Oct29 Oct31	Nov03 Nov16 Nov30	Nov18 Dec04 Dec29	237 265 310	215 242 274	192 220 241	16 10 5
MEADVILLE	36 32 28	Mar17 Feb26 Feb03	Apr02 Mar20 Feb26	Apr19 Apr10 Mar21		Oct13 Oct28 Nov08	Oct30 Nov15 Nov29	Nov16 Dec02 Dec20	236 266 308	210 239 275	183 212 242	17 12 6
MERIDIAN KEY AP	36 32 28	Mar24 Mar04 Feb07	Apr06 Mar23 Feb28	Apr20 Apr11 Mar22		Oct10 Oct23 Nov08	Oct25 Nov07 Nov27	Nov10 Nov23 Dec16	219 253 300	201 228 271	183 203 242	19 13 7
MINTER CITY 2 SE	36 32 28	Mar16 Feb19 Feb02	Mar30 Mar12 Feb23	Apr14 Apr02 Mar15		Oct19 Oct26 Nov05	Nov03 Nov14 Nov25	Nov17 Dec02 Dec15	237 279 302	217 246 274	197 213 247	20 13 8
MONTICELLO	36 32 28	Mar15 Mar07 Feb05	Mar31 Mar24 Feb26	Apr16 Apr11 Mar19		Oct08 Oct19 Oct29	Oct26 Nov08 Nov20	Nov13 Nov28 Dec11	236 260 301	208 228 266	180 196 230	20 14 8
MOORHEAD	36 32 28	Mar17 Feb23 Feb03	Mar31 Mar15 Feb26	Apr15 Apr04 Mar21		Oct20 Oct28 Nov07	Nov04 Nov17 Nov26	Nov19 Dec07 Dec16	239 275 300	217 246 272	195 217 244	17 11 6
NATCHEZ	36 32 28	Mar08 Feb17 Jan28	Mar27 Mar07 Feb19	Apr16 Mar25 Mar14		Oct20 Oct31 Nov16	Nov07 Nov18 Dec04	Nov25 Dec05 Dec22	256 281 312	224 255 287	192 229 261	13 8 4
NEWTON EXP STN	36 32 28	Mar30 Mar12 Feb16	Apr11 Mar28 Mar08	Apr22 Apr12 Mar28		Oct05 Oct17 Oct30	Oct20 Nov01 Nov18	Nov03 Nov16 Dec06	209 240 283	191 218 254	173 195 225	22 16 10
OAKLEY EXP STA	36 32 28	Mar22 Mar05 Feb12	Apr05 Mar23 Mar05	Apr19 Apr10 Mar25		Oct09 Oct21 Nov01	Oct23 Nov06 Nov18	Nov07 Nov23 Dec06	217 256 285	201 228 258	184 200 231	20 14 8
PASCAGOULA 3 NE	36 32 28	Feb20 Feb05 Jan17	Mar12 Feb26 Feb11	Apr01 Mar19 Mar07		Oct28 Nov10 Nov21	Nov22 Dec04 Dec22	Dec18 Dec29 Jan23	292 311 350	255 281 310	218 250 279	10 6 3
PELAHATCHIE	36 32 28	Mar27 Mar14 Feb18	Apr09 Mar29 Mar07	Apr21 Apr13 Mar24		Oct06 Oct17 Nov03	Oct19 Nov03 Nov18	Oct31 Nov19 Dec02	206 238 275	192 218 255	178 198 234	20 13 8
PHILADELPHIA 1 WSW	36 32 28	Mar22 Mar09 Feb13	Apr06 Mar25 Mar05	Apr20 Apr10 Mar25		Oct07 Oct20 Nov03	Oct22 Nov06 Nov19	Nov07 Nov23 Dec06	215 250 285	199 225 259	183 200 232	22 15 9
PICAYUNE	36 32 28	Mar06 Feb17 Jan18	Mar24 Mar09 Feb13	Apr11 Mar28 Mar11		Oct17 Oct29 Nov09	Nov04 Nov21 Dec08	Nov22 Dec13 Jan06	251 284 341	224 256 295	197 228 259	14 9 4
PICKENS	36 32 28	Mar30 Mar07 Feb19	Apr11 Mar27 Mar12	Apr24 Apr15 Apr03		Oct04 Oct15 Oct25	Oct17 Oct31 Nov14	Oct30 Nov17 Dec03	205 244 274	188 218 246	170 192 218	23 16 11
PONTOTOC EXP STN	36 32 28	Mar29 Mar17 Feb25	Apr11 Apr02 Mar15	Apr23 Apr19 Apr02		Oct05 Oct18 Oct29	Oct21 Nov04 Nov16	Nov05 Nov22 Dec03	212 239 274	192 215 245	173 191 216	25 18 11
POPLARVILLE EXP STN	36 32 28	Mar03 Feb16 Jan26	Mar23 Mar06 Feb20	Apr11 Mar24 Mar16		Oct22 Oct31 Nov11	Nov09 Nov22 Dec07	Nov27 Dec13 Jan03	257 290 325	231 260 290	205 230 255	12 7 4

PORT GIBSON 3 NE	36	Mar21	Apr04	Apr18	Oct07	Oct26	Nov13	228	204	180	21
	32	Mar05	Mar23	Apr09	Oct21	Nov07	Nov23	256	228	200	15
	28	Feb10	Mar01	Mar20	Nov04	Nov20	Dec05	290	263	236	9
QUITMAN 1 N	36	Mar28	Apr10	Apr23	Oct01	Oct21	Nov10	218	193	169	21
	32	Feb24	Mar25	Apr21	Oct10	Nov06	Dec06	283	225	181	15
	28	Feb05	Mar07	Apr03	Oct29	Nov22	Dec22	>365	256	218	9
RICHTON 3 SSE	36	Mar28	Apr09	Apr20	Oct06	Oct20	Nov02	210	193	177	21
	32	Mar12	Mar27	Apr11	Oct17	Nov03	Nov19	241	220	198	15
	28	Feb17	Mar11	Apr01	Nov02	Nov22	Dec11	283	255	227	9
RIPLEY	36	Apr03	Apr16	Apr29	Oct04	Oct16	Oct29	200	183	165	29
	32	Mar27	Apr08	Apr19	Oct11	Oct28	Nov15	222	203	184	22
	28	Mar12	Mar26	Apr08	Oct26	Nov07	Nov20	247	226	205	15
ROLLING FORK	36	Mar15	Mar29	Apr12	Oct12	Oct31	Nov20	240	216	192	20
	32	Feb22	Mar15	Apr05	Oct28	Nov12	Nov27	269	241	214	13
	28	Feb07	Feb28	Mar21	Nov04	Nov24	Dec14	299	269	238	7
SAUCIER EXP FOREST	36	Feb28	Mar18	Apr06	Oct28	Nov13	Nov29	265	238	212	10
	32	Feb06	Mar01	Mar24	Nov04	Nov26	Dec17	300	269	238	6
	28	Jan20	Feb16	Mar14	Nov20	Dec17	Jan13	336	299	271	3
STATE UNIVERSITY	36	Mar26	Apr07	Apr20	Oct08	Oct24	Nov09	217	199	180	21
	32	Mar05	Mar24	Mar18	Oct24	Nov08	Nov23	256	228	201	15
	28	Feb12	Mar06	Mar28	Nov04	Nov21	Dec08	289	260	230	9
STONEVILLE EXP STN	36	Mar12	Mar28	Apr13	Oct14	Oct31	Nov17	239	216	193	19
	32	Feb19	Mar11	Mar31	Oct26	Nov12	Nov30	277	246	214	13
	28	Jan30	Feb21	Mar15	Nov08	Nov28	Dec19	309	280	251	7
TUNICA 2	36	Mar21	Apr03	Apr17	Oct10	Oct24	Nov07	222	203	185	22
	32	Mar06	Mar22	Apr07	Oct24	Nov09	Nov25	258	231	204	15
	28	Feb10	Mar05	Mar27	Nov01	Nov20	Dec10	291	260	229	9
TUPELO RGNL AP	36	Apr01	Apr16	May02	Oct03	Oct20	Nov06	213	186	158	24
	32	Mar19	Apr05	Apr22	Oct09	Oct28	Nov16	236	205	175	18
	28	Feb23	Mar17	Apr08	Oct21	Nov13	Dec07	278	240	203	11
TYLERTOWN 2 VNW	36	Mar16	Apr01	Apr16	Oct18	Nov04	Nov21	240	217	194	14
	32	Mar03	Mar21	Apr08	Oct31	Nov16	Dec03	264	240	215	9
	28	Feb05	Feb26	Mar20	Nov11	Dec02	Dec23	306	278	250	5
UNIVERSITY	36	Apr07	Apr24	May10	Sep28	Oct10	Oct22	193	169	144	27
	32	Mar29	Apr11	Apr25	Oct04	Oct20	Nov05	213	191	169	21
	28	Mar14	Mar29	Apr12	Oct16	Nov03	Nov21	238	219	199	14
VICKSBURG MILITARY PARK	36	Mar15	Mar30	Apr14	Oct17	Nov06	Nov25	248	220	192	16
	32	Feb28	Mar20	Apr08	Oct28	Nov16	Dec04	268	240	212	11
	28	Feb07	Mar01	Mar23	Nov10	Nov29	Dec18	304	273	242	6
WATER VALLEY 1 NNE	36	Apr03	Apr14	Apr25	Oct05	Oct18	Nov01	198	186	175	28
	32	Mar26	Apr06	Apr18	Oct14	Oct30	Nov16	224	206	188	21
	28	Mar03	Mar21	Apr08	Oct25	Nov11	Nov28	259	234	210	14
WAYNESBORO 2 W	36	Mar28	Apr11	Apr24	Oct05	Oct19	Nov03	211	191	171	20
	32	Mar12	Mar27	Apr11	Oct11	Oct29	Nov15	236	215	194	14
	28	Feb21	Mar10	Mar27	Oct27	Nov17	Dec07	279	251	222	8
WIGGINS	36	Mar08	Mar23	Apr08	Oct24	Nov08	Nov23	250	229	208	14
	32	Feb12	Mar09	Apr03	Nov05	Nov21	Dec07	286	256	226	9
	28	Jan27	Feb22	Mar19	Nov11	Dec07	Jan02	323	286	252	4
WINONA 5 E	36	Apr04	Apr16	Apr28	Oct03	Oct14	Oct25	197	181	165	29
	32	Mar28	Apr08	Apr20	Oct09	Oct26	Nov11	220	200	179	23
	28	Mar10	Mar26	Apr10	Oct25	Nov08	Nov22	249	226	204	15
WOODVILLE 4 ESE	36	Mar05	Mar24	Apr12	Oct26	Nov11	Nov27	254	231	208	12
	32	Feb13	Mar05	Mar25	Nov02	Nov21	Dec09	287	260	232	8
	28	Jan24	Feb16	Mar12	Nov18	Dec07	Dec26	321	293	266	4
YAZOO CITY 5 NNE	36	Mar17	Mar31	Apr15	Oct17	Nov03	Nov20	240	216	192	17
	32	Feb22	Mar16	Apr07	Oct30	Nov14	Nov30	272	243	213	11
	28	Feb01	Feb25	Mar21	Nov06	Nov30	Dec24	313	277	241	6

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 (Aug 1 - Jul 31).  
(percent of days with temperatures at or below the threshold temperature)

Freeze / Frost Occurrence Data

All probabilities in whole percent. See notes for probability level description.  
- Indicates the probability of occurrence of threshold temperatureis less than indicated probability.

State And Station Name	Thresh hold (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			Prob o b a b i l i t y  (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
Montana											
ALBION 1 N	36 32 28	May09 May05 Apr25	Jun05 May23 May09	Jul01 Jun11 May22	Aug20 Sep05 Sep07	Sep04 Sep16 Sep21	Sep18 Sep28 Oct04	123 139 155	90 115 135	58 91 114	61 55 47
ALDER 17 S	36 32 28	Jun18 May31 May06	Jul07 Jun22 May31	Jul25 Jul14 Jun25	Aug05 Aug14 Aug24	Aug24 Sep04 Sep13	Sep13 Sep25 Oct02	76 108 143	48 73 104	19 37 65	66 56 46
AUGUSTA	36 32 28	May26 May13 Apr25	Jun16 May27 May08	Jul06 Jun09 May21	Aug11 Sep02 Sep08	Aug29 Sep12 Sep19	Sep16 Sep22 Oct01	99 123 153	73 108 134	48 93 114	58 48 38
AUSTIN 1 W	36 32 28	Jun05 May21 May03	Jun26 Jun06 May19	Jul17 Jun21 Jun04	Aug18 Aug31 Sep08	Sep01 Sep12 Sep23	Sep15 Sep23 Oct07	92 115 150	66 98 126	41 80 102	64 54 42
BABB 6 NE	36 32 28	Jun20 May23 May01	Jul07 Jun13 May18	Jul24 Jul04 Jun05	Aug07 Aug24 Aug30	Aug21 Sep04 Sep15	Sep03 Sep15 Oct02	70 106 145	44 82 120	18 58 94	66 55 43
BALLANTINE	36 32 28	May06 Apr27 Apr12	May21 May10 Apr28	Jun05 May23 May14	Sep05 Sep09 Sep20	Sep16 Sep22 Oct05	Sep26 Oct05 Oct19	137 153 179	118 134 159	98 116 139	56 48 40
BELGRADE AP (BOZEMAN)	36 32 28	May28 May17 Apr25	Jun17 Jun04 May11	Jul07 Jun23 May26	Aug20 Aug31 Sep09	Sep02 Sep12 Sep22	Sep16 Sep23 Oct06	104 122 155	77 98 134	49 74 112	63 54 44
BIDDLE 8 SW	36 32 28	May10 May04 Apr22	Jun01 May19 May05	Jun23 Jun02 May19	Sep02 Sep08 Sep13	Sep13 Sep19 Sep28	Sep24 Oct01 Oct13	127 145 167	103 123 145	79 101 123	57 50 41
BIGFORK 13 S	36 32 28	May06 Apr22 Apr02	May29 May13 Apr19	Jun20 Jun03 May06	Sep04 Sep17 Sep27	Sep22 Oct04 Oct20	Oct11 Oct22 Nov11	150 174 218	116 143 183	82 113 147	51 39 25
BIG SANDY	36 32 28	May18 May03 Apr21	Jun04 May22 May07	Jun21 Jun09 May24	Aug20 Sep01 Sep09	Sep05 Sep15 Sep23	Sep21 Sep30 Oct08	116 145 162	92 116 138	68 88 115	58 50 42
BIG TIMBER	36 32 28	May16 May05 Apr20	Jun05 May18 May05	Jun24 May31 May19	Aug28 Sep05 Sep17	Sep10 Sep18 Sep29	Sep22 Oct02 Oct12	122 142 167	96 123 147	70 103 127	54 44 33
BILLINGS WATER PLANT	36 32 28	May07 Apr22 Apr09	May21 May08 Apr25	Jun04 May24 May12	Sep07 Sep14 Sep20	Sep17 Sep27 Oct06	Sep27 Oct10 Oct23	140 163 188	119 141 163	97 119 138	53 45 35
BILLINGS INTL AP	36 32 28	Apr29 Apr21 Apr05	May14 May04 Apr19	May28 May17 May03	Sep07 Sep18 Sep21	Sep21 Oct01 Oct09	Oct05 Oct14 Oct26	151 168 197	130 149 172	108 130 148	49 40 30
BLACKLEAF	36 32 28	Jun11 May19 Apr29	Jul01 Jun08 May22	Jul22 Jun29 Jun15	Aug08 Aug24 Sep03	Aug23 Sep06 Sep17	Sep08 Sep19 Oct01	80 116 141	52 89 117	24 63 92	63 54 44

BLOOMFIELD 5 NNE	36 32 28	May/09 May/03 Apr/23	Jun/03 May/22 May/07	Jun/29 Jun/10 May/21	Aug/09 Aug/28 Sep/04	Aug/29 Sep/11 Sep/20	Sep/17 Sep/24 Oct/06	113 132 155	86 111 135	59 90 114	62 54 46
BOULDER	36 32 28	Jun/12 May/25 May/08	Jul/01 Jun/12 May/25	Jul/20 Jun/30 Jun/10	Aug/12 Aug/21 Sep/03	Aug/27 Sep/05 Sep/15	Sep/11 Sep/20 Sep/27	81 108 134	56 85 113	31 61 92	66 57 47
BOZEMAN MONTANA ST UNIV	36 32 28	May/30 May/09 Apr/21	Jun/15 May/26 May/06	Jul/01 Jun/11 May/21	Aug/29 Sep/06 Sep/16	Sep/10 Sep/19 Oct/02	Sep/22 Oct/02 Oct/19	105 136 174	86 116 149	68 95 123	57 48 37
BOZEMAN 6 W EXP FARM	36 32 28	Jun/09 May/17 Apr/21	Jun/24 Jun/04 May/08	Jul/09 Jun/22 May/24	Aug/19 Sep/02 Sep/09	Sep/01 Sep/13 Sep/22	Sep/15 Sep/24 Oct/06	89 120 161	68 101 137	48 81 114	61 51 39
BRANDENBERG	36 32 28	May/13 May/02 Apr/22	Jun/04 May/16 May/06	Jun/26 May/31 May/19	Aug/31 Sep/05 Sep/12	Sep/10 Sep/17 Sep/27	Sep/19 Sep/28 Oct/12	118 144 166	97 122 144	76 101 122	57 49 40
BREDETTE	36 32 28	May/07 May/02 Apr/22	May/24 May/15 May/05	Jun/11 May/28 May/18	Sep/03 Sep/12 Sep/16	Sep/14 Sep/23 Sep/28	Sep/24 Oct/04 Oct/11	131 147 167	111 130 146	92 113 126	56 50 42
BRIDGER 2 N	36 32 28	May/17 Apr/29 Apr/13	Jun/04 May/16 May/01	Jun/22 May/18 May/18	Sep/02 Sep/07 Sep/16	Sep/13 Sep/19 Oct/01	Sep/23 Oct/01 Oct/17	118 144 177	100 125 153	81 106 129	55 47 37
BROADUS	36 32 28	May/09 May/03 Apr/22	May/30 May/18 May/07	Jun/19 Jun/02 May/21	Aug/25 Sep/04 Sep/09	Sep/09 Sep/16 Sep/26	Sep/24 Sep/29 Oct/12	126 140 164	102 120 141	78 101 119	58 51 43
BROCKWAY 3 WSW	36 32 28	May/13 Apr/30 Apr/24	Jun/05 May/19 May/07	Jun/28 Jun/08 May/20	Aug/13 Sep/01 Sep/04	Sep/01 Sep/14 Sep/20	Sep/20 Sep/27 Oct/06	120 142 157	88 117 136	56 91 114	59 51 43
BUSBY	36 32 28	May/23 May/10 Apr/25	Jun/16 May/24 May/11	Jul/09 Jun/08 May/26	Aug/14 Aug/28 Sep/08	Sep/01 Sep/12 Sep/21	Sep/18 Sep/27 Oct/03	107 130 153	76 110 132	45 91 111	62 54 46
BUTTE MOONEY AP	36 32 28	Jun/16 Jun/03 May/06	Jul/06 Jun/20 May/27	Jul/25 Jul/07 Jun/17	Aug/08 Aug/21 Sep/05	Aug/23 Sep/03 Sep/15	Sep/07 Sep/16 Sep/25	73 97 134	48 74 110	22 52 86	70 61 50
CARLYLE 12 NW	36 32 28	May/07 Apr/30 Apr/20	May/31 May/17 May/05	Jun/23 Jun/03 May/19	Aug/31 Sep/07 Sep/13	Sep/13 Sep/20 Sep/29	Sep/26 Oct/04 Oct/15	133 150 168	105 126 147	77 102 126	56 49 41
CASCADE 5 S	36 32 28	May/25 May/08 Apr/22	Jun/16 May/24 May/08	Jul/09 Jun/08 May/24	Aug/13 Sep/03 Sep/12	Aug/29 Sep/14 Sep/24	Sep/14 Sep/26 Oct/05	99 132 161	73 113 138	47 94 116	52 42 32
CASCADE 20 SSE	36 32 28	Jul/06 Jun/12 May/12	Jul/19 Jul/05 Jun/04	Aug/01 Jul/27 Jun/26	Jul/30 Aug/11 Sep/02	Aug/11 Aug/27 Sep/12	Aug/23 Sep/11 Sep/22	41 83 121	22 53 99	3 23 78	66 54 42
CHESTER	36 32 28	May/24 May/13 Apr/25	Jun/17 May/31 May/09	Jul/11 Jun/17 May/24	Aug/14 Aug/29 Sep/07	Aug/28 Sep/11 Sep/20	Sep/11 Sep/24 Oct/03	100 125 151	71 103 133	43 80 114	62 55 47
CHINOOK	36 32 28	May/17 Apr/30 Apr/20	Jun/04 May/18 May/06	Jun/22 Jun/04 May/22	Aug/15 Sep/02 Sep/12	Sep/02 Sep/12 Sep/24	Sep/20 Sep/22 Oct/05	117 139 161	90 117 140	63 94 120	60 53 44
CHOTEAU	36 32 28	May/14 Apr/30 Apr/11	Jun/04 May/20 May/04	Jun/24 Jun/09 May/26	Aug/28 Sep/05 Sep/17	Sep/12 Sep/19 Oct/02	Sep/26 Oct/02 Oct/18	126 147 183	100 121 151	73 95 118	53 44 35
CIRCLE	36 32 28	May/08 Apr/29 Apr/22	May/27 May/15 May/04	Jun/15 May/31 May/15	Aug/24 Sep/04 Sep/09	Sep/07 Sep/16 Sep/25	Sep/21 Sep/28 Oct/11	121 143 166	103 123 143	85 103 121	57 50 42
COHAGEN	36 32 28	May/20 May/06 Apr/26	Jun/06 May/24 May/09	Jun/24 Jun/10 May/21	Aug/16 Aug/27 Sep/05	Sep/03 Sep/11 Sep/19	Sep/21 Sep/26 Oct/03	112 127 153	88 110 133	64 92 112	58 52 43

COLSTRIP	36 32 28	May12 May01 Apr15	May27 May14 Apr30	Jun12 May26 May16	Sep03 Sep10 Sep16	Sep14 Sep25 Oct03	Sep25 Oct09 Oct21	130 154 177	109 133 155	87 113 133	55 47 38
COLUMBUS	36 32 28	May21 May02 Apr22	Jun06 May17 May05	Jun23 Jun01 May19	Sep02 Sep09 Sep16	Sep11 Sep20 Sep29	Sep21 Oct01 Oct12	114 140 164	96 125 146	78 111 127	58 49 40
CONRAD	36 32 28	Jun06 May16 May02	Jun25 Jun03 May14	Jul15 Jun21 May26	Aug15 Aug28 Sep08	Aug31 Sep10 Sep19	Sep15 Sep22 Oct01	93 120 145	66 98 127	38 77 110	63 54 45
CONTENT 3 SSE	36 32 28	May10 Apr29 Apr17	Jun03 May18 May06	Jun27 Jun06 May24	Aug18 Sep04 Sep10	Sep03 Sep16 Sep24	Sep19 Sep28 Oct09	116 145 166	91 121 141	66 96 116	58 50 42
COOKE CITY 2 W	36 32 28	Jul15 Jun28 Jun06	Jul25 Jul15 Jun24	Aug05 Jul31 Jul12	Jul30 Aug01 Aug09	Aug05 Aug17 Aug30	Aug12 Sep01 Sep19	24 59 96	10 32 66	0 5 36	85 75 63
CRESTON	36 32 28	May25 May06 Apr23	Jun15 May24 May05	Jul06 Jun10 May18	Aug22 Sep03 Sep14	Sep04 Sep16 Sep28	Sep17 Sep30 Oct12	107 137 166	80 115 145	53 92 123	61 50 37
CULBERTSON	36 32 28	May19 May07 Apr27	Jun07 May23 May12	Jun26 May27 May27	Aug14 Aug28 Sep11	Aug31 Sep10 Sep23	Sep17 Sep24 Oct06	107 127 154	85 110 134	62 92 114	61 54 46
CUT BANK MUNICIPAL AP	36 32 28	May22 May11 Apr26	Jun15 May28 May08	Jul08 Jun14 May21	Aug18 Sep01 Sep11	Sep03 Sep13 Sep23	Sep18 Sep25 Oct04	104 128 156	79 107 137	54 86 117	60 51 42
DARBY	36 32 28	Jun06 May13 Apr25	Jun25 Jun03 May10	Jul13 Jun24 May24	Aug20 Aug31 Sep12	Sep03 Sep14 Sep27	Sep17 Sep28 Oct12	92 126 162	70 102 140	48 79 117	59 47 35
DEER LODGE 3 W	36 32 28	Jun30 Jun14 May21	Jul16 Jul01 Jun12	Jul31 Jul19 Jul05	Jul31 Aug09 Aug23	Aug14 Aug25 Sep06	Aug28 Sep11 Sep20	52 79 110	29 54 85	5 30 60	74 64 52
DEL BONITA	36 32 28	Jun01 May14 Apr30	Jun25 Jun03 May14	Jul19 Jun23 May28	Aug17 Aug26 Sep04	Aug31 Sep10 Sep20	Sep14 Sep25 Oct07	93 122 155	66 99 129	39 75 103	62 54 44
DENTON	36 32 28	Jun15 May24 May01	Jul07 Jun15 May22	Jul30 Jul07 Jun12	Aug03 Aug16 Aug29	Aug19 Aug31 Sep13	Sep04 Sep15 Sep28	71 103 140	42 76 113	13 50 87	65 56 46
DILLON WMCE	36 32 28	Jun07 May19 May03	Jun25 Jun08 May16	Jul14 Jul27 May29	Aug15 Aug31 Sep05	Sep01 Sep12 Sep20	Sep17 Sep23 Oct05	97 116 148	66 96 126	36 75 105	63 53 42
DIVIDE	36 32 28	Jun16 May22 May01	Jul03 Jun14 May23	Jul21 Jul06 Jun13	Aug12 Aug21 Sep05	Aug27 Sep07 Sep20	Sep11 Sep25 Oct05	81 116 148	54 85 119	27 54 91	68 59 48
DRUMMOND AVIATION	36 32 28	Jun16 May21 May04	Jul07 Jun16 May27	Jul27 Jul12 Jun18	Aug04 Aug19 Aug30	Aug20 Sep03 Sep14	Sep05 Sep17 Sep29	70 114 140	44 78 110	18 42 79	68 57 46
EAST GLACIER	36 32 28	Jun24 May28 May09	Jul10 Jun20 May22	Jul27 Jul12 Jun05	Aug02 Aug22 Aug31	Aug18 Sep03 Sep14	Sep02 Sep16 Sep27	63 102 133	38 75 113	12 48 94	70 59 47
EKALAKA	36 32 28	May14 May05 Apr21	Jun05 May21 May05	Jun27 Jun06 May19	Aug22 Sep03 Sep11	Sep08 Sep17 Sep27	Sep25 Sep30 Oct12	123 140 164	95 118 144	66 95 124	57 50 41
ENNIS	36 32 28	Jun06 May21 Apr30	Jun26 Jun08 May18	Jul16 Jun26 Jun05	Aug12 Aug26 Sep06	Aug30 Sep09 Sep20	Sep17 Sep23 Oct04	88 117 147	64 93 124	40 68 102	61 50 38
EUREKA RANGER STN	36 32 28	May20 May05 Apr14	Jun12 May23 May03	Jul04 Jun09 May21	Aug20 Aug30 Sep13	Sep04 Sep15 Sep28	Sep20 Oct01 Oct14	110 138 173	84 115 148	58 91 123	56 45 33



FAIRFIELD	36 32 28	May17 May01 Apr17	Jun05 May16 Apr30	Jun23 May30 May14	Aug30 Sep06 Sep17	Sep11 Sep20 Oct03	Sep23 Oct04 Oct18	121 151 178	98 127 155	75 103 132	55 46 36
FLATWILLOW 4 ENE	36 32 28	May19 May06 Apr25	Jun07 May21 May08	Jun26 Jun05 May22	Aug27 Sep07 Sep16	Sep09 Sep20 Sep29	Sep22 Oct04 Oct13	116 145 163	93 122 143	71 99 123	56 48 38
FORT ASSINIBOINE	36 32 28	May16 May01 Apr19	May29 May15 May03	Jun12 May28 May17	Aug23 Sep06 Sep14	Sep07 Sep19 Sep27	Sep22 Oct03 Oct10	122 150 171	100 127 146	79 104 122	56 48 39
FORT BENTON	36 32 28	May15 May03 Apr19	Jun02 May17 May04	Jun20 May31 May19	Aug26 Sep04 Sep09	Sep09 Sep17 Sep25	Sep24 Sep30 Oct11	122 145 168	98 122 144	75 99 119	55 47 38
FORTTINE 1 N	36 32 28	Jun02 May14 Apr28	Jun28 Jun04 May17	Jul24 Jun26 Jun06	Aug11 Aug28 Sep01	Aug24 Sep09 Sep18	Sep07 Sep21 Oct05	87 122 151	57 96 123	27 69 95	63 52 39
FORT PECK POWER PLANT	36 32 28	May05 Apr25 Apr15	May19 May08 Apr26	Jun02 May21 May07	Sep04 Sep14 Sep18	Sep15 Sep26 Oct06	Sep26 Oct08 Oct23	137 162 184	119 141 162	101 119 140	52 45 37
GARDINER	36 32 28	May20 May08 Apr23	Jun12 May27 May09	Jul05 Jun15 May25	Aug27 Sep02 Sep12	Sep10 Sep18 Sep29	Sep24 Oct05 Oct15	114 135 164	90 114 142	65 93 120	58 49 39
GERALDINE	36 32 28	May15 May02 Apr21	Jun07 May23 May05	Jun29 Jun12 May18	Aug22 Sep05 Sep08	Sep07 Sep18 Sep23	Sep24 Oct01 Oct09	126 144 164	92 118 141	58 91 118	54 45 36
GIBSON DAM	36 32 28	Jun13 May19 Apr26	Jun29 Jun05 May13	Jul15 Jun22 May30	Aug13 Aug29 Sep09	Aug27 Sep10 Sep26	Sep11 Sep23 Oct12	79 122 163	59 97 135	38 72 106	64 51 38
GILDFORD	36 32 28	May20 May07 Apr26	Jun05 May23 May09	Jun21 Jun08 May21	Aug14 Sep04 Sep13	Sep02 Sep16 Sep23	Sep20 Sep28 Oct04	113 134 154	88 116 137	63 97 120	59 51 43
GLASGOW INTL AP	36 32 28	May06 Apr26 Apr15	May19 May07 Apr26	Jun01 May19 May07	Sep09 Sep13 Sep20	Sep17 Sep25 Oct04	Sep24 Oct07 Oct18	136 157 180	120 140 160	103 122 140	55 48 41
GLEN 2 E	36 32 28	Jun13 May19 May01	Jul02 Jun12 May24	Jul21 Jun06 Jun17	Aug08 Aug19 Sep03	Aug26 Sep05 Sep16	Sep12 Sep22 Sep28	82 116 143	54 85 114	26 53 85	67 57 48
GLEN DIVE	36 32 28	Apr30 Apr20 Apr11	May13 May02 Apr23	May25 May14 May06	Sep07 Sep16 Sep24	Sep19 Sep29 Oct09	Sep30 Oct11 Oct24	149 167 188	128 149 168	107 131 148	53 47 39
GOLDBUTTE 7 N	36 32 28	Jun06 May16 May03	Jul01 Jun04 May16	Jul25 Jun23 May29	Aug10 Aug12 Sep02	Aug26 Sep01 Sep18	Sep11 Sep21 Oct04	86 116 145	56 89 124	25 62 104	59 50 40
GRASS RANGE	36 32 28	May19 May03 Apr24	Jun10 May23 May08	Jul02 Jun11 May22	Aug27 Sep06 Sep15	Sep10 Sep18 Sep28	Sep23 Sep29 Oct10	116 141 162	91 117 142	66 93 121	57 48 39
GREAT FALLS INTL AP	36 32 28	May11 May02 Apr14	May31 May17 Apr28	Jun19 Jun01 May13	Aug31 Sep08 Sep23	Sep14 Sep22 Oct06	Sep29 Oct05 Oct18	135 150 181	106 127 160	76 105 138	53 44 34
HAMILTON	36 32 28	May22 May06 Apr19	Jun09 May22 May06	Jun26 Jun08 May22	Aug19 Sep02 Sep13	Sep07 Sep17 Sep28	Sep25 Oct02 Oct12	116 142 167	89 117 144	62 92 121	57 47 35
HARDIN	36 32 28	May11 Apr26 Apr15	May28 May12 Apr26	Jun15 May27 May07	Sep06 Sep08 Sep17	Sep15 Sep22 Oct02	Sep24 Oct05 Oct18	128 152 180	109 132 159	90 112 138	55 48 39
HARLEM 4 W	36 32 28	May18 May04 Apr23	Jun02 May19 May07	Jun17 Jun03 May21	Aug16 Sep05 Sep13	Sep02 Sep16 Sep24	Sep19 Sep26 Oct05	112 139 160	91 119 139	71 98 119	60 53 45

HARLOWTON	36 32 28	May29 May14 Apr29	Jun18 May27 May13	Jul07 Jun10 May26	Aug20 Sep04 Sep10	Sep02 Sep14 Sep24	Sep14 Sep24 Oct07	100 126 152	75 109 133	50 92 114	60 50 40
HAUGAN 3 E (DEBORGA)	36 32 28	Jun15 May20 May03	Jul10 Jun19 May27	Aug05 Jul20 Jun21	Jun30 Aug13 Aug30	Aug24 Sep05 Sep21	Sep19 Sep27 Oct12	91 124 155	44 77 115	0 29 75	66 54 37
HAVRE CITY CO AP	36 32 28	May11 Apr25 Apr19	May30 May13 May02	Jun18 May30 May16	Aug26 Sep08 Sep14	Sep08 Sep19 Sep26	Sep22 Sep29 Oct08	125 149 165	101 128 146	77 108 127	57 49 41
HEBGEN DAM	36 32 28	Jun21 Jun09 May10	Jul05 Jun22 May28	Jul19 Jul06 Jun15	Aug09 Aug15 Sep07	Aug25 Sep02 Sep17	Sep09 Sep20 Sep28	72 92 134	50 71 111	27 49 89	73 63 52
HELENA AP	36 32 28	May19 May03 Apr16	Jun05 May19 Apr30	Jun22 Jun04 May15	Aug26 Sep06 Sep12	Sep08 Sep18 Sep28	Sep21 Sep29 Oct15	118 140 174	95 121 150	71 102 127	58 50 40
HERON 2 NW	36 32 28	Jun06 May11 Apr21	Jun27 Jun02 May07	Jul18 Jun24 May23	Aug09 Aug29 Sep15	Aug26 Sep13 Sep30	Sep11 Sep29 Oct15	85 132 169	59 103 145	33 73 121	61 49 31
HINSDALE 4 SW	36 32 28	May05 Apr24 Apr16	May19 May08 Apr28	Jun02 May22 May10	Sep08 Sep11 Sep21	Sep19 Sep23 Oct06	Sep30 Oct05 Oct20	140 153 182	122 138 160	104 122 138	53 46 37
HOLTER DAM	36 32 28	May04 Apr22 Apr08	May28 May10 Apr23	Jun21 May27 May08	Sep02 Sep14 Sep25	Sep16 Sep28 Oct12	Sep30 Oct12 Oct29	138 167 195	111 141 171	83 114 147	45 34 24
HUNGRY HORSE DAM	36 32 28	May12 May01 Apr07	Jun01 May16 Apr23	Jun21 May31 May09	Aug29 Sep08 Sep19	Sep11 Sep24 Oct07	Sep24 Oct09 Oct24	126 154 192	101 130 166	76 107 140	59 47 34
HUNTLEY EXPERIMENT STN	36 32 28	May16 May02 Apr18	Jun04 May16 May03	Jun23 May30 May17	Aug31 Sep06 Sep13	Sep10 Sep18 Sep27	Sep20 Sep30 Oct11	120 143 167	97 124 146	75 105 126	59 51 42
HYSHAM	36 32 28	May11 Apr29 Apr14	May25 May12 Apr29	Jun08 May25 May14	Sep04 Sep07 Sep18	Sep14 Sep21 Oct02	Sep24 Oct05 Oct17	129 151 177	111 131 155	94 112 134	54 47 38
HYSHAM 25 SSE	36 32 28	May29 May11 Apr29	Jun17 May28 May12	Jul06 Jun13 May24	Aug17 Sep02 Sep08	Sep03 Sep14 Sep22	Sep20 Sep25 Oct05	100 128 154	77 108 133	55 89 111	61 53 44
ILIAD	36 32 28	May15 Apr23 Apr11	Jun18 May26 May04	Jul22 Jun28 May27	Aug24 Sep02 Sep11	Sep06 Sep17 Sep24	Sep18 Oct01 Oct08	119 153 170	79 113 143	39 73 115	59 51 42
INGOMAR 14 NE	36 32 28	May16 May06 Apr21	Jun08 May18 May08	Jun30 May30 May25	Aug27 Sep05 Sep09	Sep09 Sep15 Sep23	Sep21 Sep26 Oct07	115 137 161	92 119 137	70 102 113	59 52 44
JACKSON	36 32 28	Jul09 Jun13 May23	Jul21 Jul05 Jun19	Aug03 Jul27 Jul16	Jul29 Aug03 Aug14	Aug10 Aug22 Sep01	Aug23 Sep10 Sep19	39 79 113	19 47 73	0 15 34	80 69 58
JOLIET	36 32 28	May25 May04 Apr20	Jun09 May21 May06	Jun25 Jun06 May22	Aug31 Sep06 Sep16	Sep11 Sep20 Oct01	Sep21 Oct03 Oct15	110 143 171	92 121 147	75 99 123	57 48 38
JOPLIN	36 32 28	May22 May09 Apr26	Jun10 May25 May09	Jun29 Jun10 May22	Aug20 Sep02 Sep09	Sep04 Sep15 Sep22	Sep19 Sep28 Oct04	109 132 155	85 113 135	61 93 116	60 52 44
JORDAN	36 32 28	May15 May03 Apr24	Jun03 May16 May06	Jun21 May29 May19	Aug24 Sep03 Sep09	Sep07 Sep15 Sep22	Sep21 Sep27 Oct05	118 140 156	96 121 138	73 102 120	58 51 43
JUDITH GAP 13 E	36 32 28	Jun13 May29 May06	Jul04 Jun18 May26	Jul25 Jul08 Jun14	Aug12 Aug24 Sep05	Aug27 Sep07 Sep18	Sep12 Sep20 Oct01	83 105 138	54 80 115	25 54 92	66 57 48

KALISPELL GLACIER PK AP	36 32 28	Jun04 May09 Apr25	Jun23 Jun04 May11	Jul12 Jun30 May27	Aug14 Aug28 Sep12	Aug29 Sep11 Sep25	Sep13 Sep25 Oct08	91 130 159	66 98 136	41 67 113	62 51 39
LAKEVIEW	36 32 28	Jul11 Jun20 May27	Jul22 Jul07 Jun16	Aug01 Jul23 Jul06	Jul31 Aug06 Aug14	Aug12 Aug22 Aug31	Aug24 Sep07 Sep17	38 70 103	20 46 75	2 21 48	79 69 58
LENNEP 5 SW	36 32 28	Jun29 Jun02 May15	Jul14 Jun23 Jun03	Jul29 Jul14 Jun21	Aug03 Aug17 Sep02	Aug20 Sep02 Sep13	Sep06 Sep18 Sep25	62 96 123	36 70 102	10 44 81	70 61 49
LEWISTOWN MUNICIPAL AP	36 32 28	May25 May10 Apr26	Jun15 May25 May09	Jul06 Jun10 May21	Aug17 Sep02 Sep12	Sep04 Sep15 Sep26	Sep22 Sep28 Oct10	107 133 156	80 112 140	54 91 123	60 50 41
LIBBY 1 NE RS	36 32 28	May30 May11 Apr25	Jun21 Jun03 May12	Jul12 Jun26 May28	Aug16 Aug29 Sep12	Sep02 Sep14 Oct01	Sep19 Sep29 Oct21	104 133 172	73 102 142	41 70 111	60 49 33
LIBBY 32 SSE	36 32 28	Jul02 Jun14 May18	Jul19 Jul08 Jun13	Aug05 Aug02 Jul09	Jul29 Aug31 Aug17	Aug11 Aug18 Sep02	Aug24 Sep07 Sep19	50 81 115	22 40 81	0 0 46	76 65 49
LIMA	36 32 28	Jun27 Jun08 May20	Jul11 Jun27 Jun12	Jul24 Jul16 Jul05	Aug04 Aug14 Aug27	Aug20 Aug30 Sep10	Sep04 Sep15 Sep25	62 91 118	39 63 90	16 35 61	72 63 53
LINCOLN RANGER STN	36 32 28	Jun28 Jun08 May08	Jul19 Jul03 Jun06	Aug08 Jul29 Jul04	Jul30 Aug03 Aug17	Aug09 Aug18 Sep02	Aug21 Sep03 Sep18	46 78 126	21 45 88	0 13 49	73 62 48
LINDBERGH LAKE	36 32 28	Jun02 May09 Apr24	Jun22 Jun02 May13	Jul11 Jun25 May31	Aug15 Aug29 Sep07	Aug31 Sep12 Sep22	Sep16 Sep27 Oct08	97 134 158	69 102 132	42 70 105	64 55 41
LIVINGSTON AP	36 32 28	May24 May12 Apr20	Jun11 May26 May07	Jun29 Jun09 May23	Aug25 Sep04 Sep10	Sep07 Sep16 Sep25	Sep21 Sep27 Oct09	113 132 164	88 112 140	62 93 116	53 43 33
LOMA 1 WNW	36 32 28	May18 May05 Apr21	May30 May18 May05	Jun12 May31 May18	Aug25 Sep03 Sep16	Sep08 Sep15 Sep27	Sep22 Sep27 Oct09	120 141 163	100 120 145	81 98 127	58 50 41
MALTA 35 S	36 32 28	May14 May04 Apr20	Jun03 May19 May06	Jun22 Jun03 May22	Aug28 Sep06 Sep13	Sep09 Sep16 Sep23	Sep21 Sep25 Oct04	119 138 160	97 119 140	76 100 119	59 52 43
MARTINSDALE 3 NNW	36 32 28	Jun11 May23 May05	Jul06 Jun17 May26	Jul31 Jul12 Jun16	Aug03 Aug14 Sep05	Aug21 Sep01 Sep14	Sep08 Sep19 Sep23	78 111 134	45 76 110	12 41 86	67 56 45
MEDICINE LAKE 3 SE	36 32 28	May06 Apr30 Apr23	May25 May15 May05	Jun13 May30 May16	Aug25 Sep10 Sep15	Sep07 Sep21 Sep27	Sep21 Oct02 Oct10	121 149 163	104 128 145	87 108 126	57 51 44
MELSTONE	36 32 28	May09 Apr29 Apr17	May23 May12 Apr30	Jun05 May26 May13	Sep05 Sep12 Sep19	Sep15 Sep25 Oct03	Sep25 Oct08 Oct17	132 154 173	115 135 155	99 116 138	53 45 35
MELVILLE 4 W	36 32 28	Jun15 May24 May09	Jul03 Jun11 May22	Jul22 Jun29 Jun04	Aug11 Aug24 Sep06	Aug27 Sep08 Sep18	Sep12 Sep23 Oct01	77 113 136	54 88 118	32 64 101	65 56 46
MILES CITY AP	36 32 28	May02 Apr22 Apr12	May14 May06 Apr24	May26 May19 May06	Sep08 Sep13 Sep21	Sep20 Sep28 Oct09	Oct02 Oct13 Oct27	144 166 191	128 145 167	112 124 143	52 45 37
MISSOULA 2 NE	36 32 28	May19 May05 Apr17	Jun09 May23 May03	Jul01 Jun09 May19	Aug30 Sep06 Sep15	Sep12 Sep20 Oct02	Sep25 Oct05 Oct19	117 143 178	94 120 151	70 96 124	57 46 33
MISSOULA INTL AP	36 32 28	May27 May06 Apr19	Jun17 May26 May04	Jul08 Jun15 May19	Aug24 Sep04 Sep14	Sep08 Sep18 Sep27	Sep23 Oct02 Oct11	109 139 169	82 114 146	56 90 122	59 49 36

MIZPAH 4 NNW	36 32 28	May11 Apr30 Apr22	May27 May14 May06	Jun13 May29 May21	Aug29 Sep03 Sep09	Sep09 Sep15 Sep22	Sep20 Sep26 Oct06	124 144 160	104 123 138	84 101 117	58 51 43
MOCCASIN EXPERIMENT STN	36 32 28	May29 May06 May01	Jun16 May26 May11	Jul03 Jun16 May21	Aug25 Sep05 Sep16	Sep08 Sep18 Sep29	Sep22 Oct02 Oct11	107 139 157	83 114 140	59 90 122	58 50 40
MOORHEAD 9 NE	36 32 28	May11 May02 Apr22	Jun01 May18 May05	Jun23 Jun04 May17	Sep01 Sep04 Sep13	Sep11 Sep18 Sep27	Sep20 Oct01 Oct11	123 145 163	101 122 145	78 99 127	57 50 41
MOSBY 4 ENE	36 32 28	May08 Apr27 Apr13	May27 May12 Apr29	Jun15 May27 May14	Sep06 Sep13 Sep17	Sep16 Sep23 Oct03	Sep26 Oct04 Oct18	132 151 180	112 133 156	91 116 133	54 46 38
MYSTIC LAKE	36 32 28	Jun02 May19 May02	Jun23 Jun05 May16	Jul15 Jun22 May30	Aug24 Sep03 Sep10	Sep06 Sep15 Sep24	Sep20 Sep27 Oct09	101 119 151	74 101 130	47 83 110	58 49 38
NEIHART 8 NNW	36 32 28	Jun21 May25 May06	Jul09 Jun16 May24	Jul26 Jul08 Jun12	Aug03 Aug19 Sep04	Aug20 Sep05 Sep17	Sep07 Sep23 Sep29	69 113 140	42 80 115	15 47 89	67 56 44
NORRIS MADISON PUMP HS	36 32 28	May12 Apr24 Apr08	May28 May08 Apr23	Jun12 May21 May07	Sep07 Sep14 Sep24	Sep18 Sep28 Oct09	Sep29 Oct12 Oct24	132 164 190	113 142 168	93 121 147	50 39 28
OLNEY	36 32 28	Jul04 Jun07 May13	Jul18 Jun27 Jun04	Aug02 Jul17 Jun25	Aug02 Aug12 Aug25	Aug13 Aug26 Sep09	Aug24 Sep09 Sep25	42 82 123	25 59 97	8 37 71	72 62 47
OPHEIM 10 N	36 32 28	Jun05 May15 May04	Jun29 Jun06 May18	Jul24 Jun27 Jun01	Aug03 Aug13 Aug27	Aug21 Aug30 Sep12	Sep09 Sep17 Sep28	87 116 137	52 85 116	18 54 96	65 58 50
OPHEIM 12 SSE	36 32 28	May18 May10 Apr27	Jun11 May25 May13	Jul05 Jun09 May29	Aug11 Sep02 Sep06	Aug28 Sep12 Sep20	Sep15 Sep22 Oct03	109 125 152	78 109 129	46 93 105	63 57 49
PHILIPSBURG R S	36 32 28	Jul05 Jun07 May13	Jul17 Jun29 Jun06	Jul29 Jul21 Jun29	Aug01 Aug11 Aug28	Aug15 Aug26 Sep09	Aug29 Sep11 Sep20	48 85 121	28 58 94	8 31 68	71 59 45
PLEVNA	36 32 28	May14 Apr28 Apr23	Jun04 May18 May07	Jun25 Jun06 May21	Aug19 Sep01 Sep10	Sep05 Sep15 Sep24	Sep22 Sep29 Oct07	121 145 160	93 119 139	64 94 118	59 52 44
POLEBRIDGE	36 32 28	Jul14 Jul19 May18	Jul24 Jul10 Jun12	Aug04 Jul31 Jul07	Jul31 Aug05 Aug17	Aug07 Aug17 Aug31	Aug14 Aug30 Sep14	28 64 107	13 37 79	0 10 51	79 68 54
POLSON	36 32 28	May10 Apr19 Apr02	May26 May05 Apr19	Jun10 May21 May06	Sep06 Sep16 Sep25	Sep19 Oct02 Oct13	Oct03 Oct17 Oct30	138 174 204	116 149 176	94 123 147	50 38 27
POLSON KERR DAM	36 32 28	May10 Apr28 Apr07	May29 May11 Apr22	Jun17 May24 May07	Sep04 Sep16 Sep25	Sep17 Sep30 Oct10	Sep30 Oct13 Oct25	134 163 193	110 141 170	85 119 147	52 41 28
POTOMAC	36 32 28	Jul06 Jun09 May16	Jul20 Jul01 Jun06	Aug02 Jul22 Jun27	Aug01 Aug08 Aug23	Aug13 Aug23 Sep06	Aug24 Sep07 Sep20	42 76 116	23 53 92	4 29 67	75 65 53
POWDERVILLE 8 NNE	36 32 28	May11 May02 Apr24	May28 May18 May06	Jun14 Jun03 May18	Aug25 Sep01 Sep11	Sep10 Sep16 Sep27	Sep25 Sep30 Oct13	125 143 163	104 120 143	82 96 124	57 50 43
RAPELJE 4 S	36 32 28	May20 May09 Apr22	Jun13 May23 May07	Jul06 Jun07 May22	Aug25 Sep05 Sep12	Sep08 Sep16 Sep27	Sep22 Sep27 Oct12	112 135 164	86 115 142	60 95 120	58 49 39
RAYMOND BORDER STATION	36 32 28	May11 May03 Apr23	May26 May16 May06	Jun09 May30 May19	Aug21 Sep04 Sep12	Sep06 Sep19 Sep27	Sep23 Oct03 Oct13	126 146 168	102 124 144	79 103 120	58 52 45

RAYNESFORD 2 NNW	36 32 28	May27 May06 Apr26	Jun17 May25 May10	Jul08 Jun13 May24	Aug18 Aug31 Sep13	Sep06 Sep15 Sep27	Sep24 Oct01 Oct12	109 137 160	79 113 139	50 88 119	56 47 37
RED LODGE 2 N	36 32 28	Jun04 May20 May01	Jun23 Jun07 May16	Jul12 Jun25 Jun01	Aug18 Sep03 Sep09	Sep03 Sep15 Sep23	Sep20 Sep27 Oct06	97 121 148	72 99 129	46 77 110	61 52 43
REDSTONE	36 32 28	May25 May15 Apr30	Jun20 May29 May16	Jul16 Jun12 Jun01	Aug09 Aug15 Aug29	Aug26 Sep02 Sep13	Sep11 Sep19 Sep28	93 117 139	66 96 120	39 73 100	63 57 49
RIDGEWAY 1 S	36 32 28	May12 May02 Apr21	Jun05 May20 May06	Jun29 Jun07 May21	Aug21 Aug29 Sep07	Sep07 Sep14 Sep23	Sep23 Sep29 Oct09	123 141 163	93 116 139	63 91 115	59 53 45
ROCK SPRINGS	36 32 28	May16 May01 Apr25	Jun01 May15 May06	Jun18 May28 May16	Aug24 Sep05 Sep10	Sep09 Sep19 Sep27	Sep25 Oct02 Oct14	121 146 166	99 126 144	76 106 121	57 50 41
ROGERS PASS 9 NNE	36 32 28	May28 May08 Apr24	Jun16 May28 May12	Jul04 Jun16 May30	Aug16 Sep04 Sep08	Sep02 Sep16 Sep26	Sep19 Sep29 Oct14	106 134 164	78 111 136	50 88 108	60 49 37
ROUNDUP	36 32 28	May09 Apr27 Apr16	May25 May12 May01	Jun09 May27 May16	Aug31 Sep02 Sep15	Sep12 Sep18 Sep30	Sep23 Oct04 Oct15	128 148 172	110 128 151	91 108 130	54 45 36
ROY 8 NE	36 32 28	May16 May02 Apr20	Jun02 May16 May04	Jun19 May29 May18	Aug24 Sep06 Sep15	Sep07 Sep18 Sep27	Sep22 Sep30 Oct08	122 140 165	97 124 145	71 109 125	57 49 40
RYEGATE 18 NNW	36 32 28	Jun07 May13 Apr27	Jun24 Jun02 May15	Jul12 Jun21 Jun03	Aug13 Sep03 Sep08	Aug30 Sep14 Sep23	Sep15 Sep25 Oct07	91 127 151	66 103 130	41 79 108	63 54 44
SACO 1 NNW	36 32 28	May12 May02 Apr23	Jun01 May17 May07	Jun20 May31 May20	Aug21 Sep04 Sep12	Sep07 Sep16 Sep25	Sep23 Sep28 Oct08	118 140 159	97 121 140	77 103 122	61 54 47
ST IGNATIUS	36 32 28	May22 May05 Apr21	Jun11 May20 May04	Jul02 Jun04 May17	Aug29 Sep05 Sep18	Sep10 Sep19 Oct01	Sep23 Oct02 Oct14	116 145 169	90 121 149	65 97 129	55 44 31
SAINT REGIS 1 NE	36 32 28	Jun12 May20 Apr21	Jul07 Jun13 May19	Jul31 Jul07 Jun15	Aug05 Aug24 Sep04	Aug23 Sep09 Sep20	Sep10 Sep25 Oct06	81 120 157	46 87 123	12 54 89	64 53 38
SAVAGE	36 32 28	May02 Apr28 Apr22	May18 May11 May03	Jun04 May25 May14	Sep04 Sep11 Sep20	Sep14 Sep24 Oct02	Sep24 Oct07 Oct14	138 155 169	118 135 151	98 115 134	55 48 41
SEELEY LAKE R S	36 32 28	Jun25 Jun03 May04	Jul14 Jun25 May25	Aug02 Jul17 Jun15	Jul30 Aug12 Sep02	Aug14 Aug31 Sep18	Aug30 Sep19 Oct04	57 98 144	30 66 116	3 34 88	71 60 46
SHONKIN 7 S	36 32 28	May27 May06 Apr23	Jun18 May27 May08	Jul10 Jun17 May22	Aug16 Sep05 Sep12	Sep03 Sep18 Sep29	Sep21 Oct01 Oct16	105 139 168	77 113 143	48 88 118	55 45 35
SIDNEY	36 32 28	May07 May01 Apr24	May24 May14 May06	Jun10 May27 May17	Aug27 Sep08 Sep18	Sep10 Sep20 Oct01	Sep23 Oct02 Oct14	127 145 165	108 128 147	90 111 129	57 50 42
SIMPSON 6 NW	36 32 28	May18 May10 Apr26	Jun09 May27 May11	Jul02 Jun14 May27	Aug12 Aug28 Sep08	Aug28 Sep10 Sep20	Sep13 Sep22 Oct03	107 126 152	79 105 131	51 84 110	62 54 46
SONNETTE 2 WNW	36 32 28	Jun01 May13 Apr27	Jun22 May30 May13	Jul12 Jun16 May30	Aug15 Sep02 Sep09	Sep01 Sep13 Sep20	Sep19 Sep24 Oct02	98 124 150	71 105 129	45 86 108	62 55 46
STANFORD	36 32 28	May27 May10 Apr29	Jun17 May31 May13	Jul08 Jun20 May27	Aug16 Sep04 Sep12	Sep03 Sep16 Sep24	Sep20 Sep27 Oct06	104 130 154	77 107 133	50 84 113	57 48 39

STEVENSVILLE	36 32 28	Jun10 May12 May01	Jun27 Jun01 May16	Jul15 Jun20 May30	Aug16 Aug27 Sep08	Aug30 Sep10 Sep20	Sep12 Sep23 Oct02	83 124 148	62 101 127	42 77 106	61 50 38
SULA 3 ENE	36 32 28	Jul15 Jun25 May26	Jul25 Jul13 Jun18	Aug03 Jul31 Jul10	Jul29 Jul31 Aug17	Aug06 Aug15 Sep02	Aug15 Aug31 Sep18	27 55 105	12 33 76	0 10 46	78 66 53
SUN RIVER 4 S	36 32 28	May26 May13 Apr24	Jun16 May29 May08	Jul07 Jun14 May22	Aug19 Sep04 Sep09	Sep02 Sep14 Sep23	Sep17 Sep24 Oct07	104 126 159	78 107 137	52 88 115	56 46 37
SUPERIOR	36 32 28	May20 May06 Apr19	Jun11 May19 May04	Jul02 Jun01 May19	Aug30 Sep09 Sep22	Sep11 Sep20 Oct06	Sep23 Oct01 Oct20	116 141 174	91 123 155	67 105 135	57 46 32
SWAN LAKE	36 32 28	Jun15 May19 Apr29	Jul08 Jun13 May22	Aug01 Jul08 Jun14	Jul30 Aug18 Sep01	Aug17 Sep03 Sep18	Sep04 Sep19 Oct05	76 117 150	39 82 119	2 46 87	68 58 41
SWEETGRASS	36 32 28	May19 May08 Apr17	Jun06 May22 May02	Jun24 Jun05 May16	Aug20 Aug31 Sep18	Sep07 Sep17 Sep30	Sep24 Oct03 Oct13	114 138 174	92 117 151	70 95 129	56 48 39
TERRY	36 32 28	May12 May01 Apr22	May30 May15 May04	Jun17 May29 May16	Aug20 Sep03 Sep06	Sep08 Sep16 Sep23	Sep26 Sep29 Oct10	125 143 161	100 123 141	75 102 120	60 54 46
TERRY 21 NNW	36 32 28	May16 May02 Apr22	Jun05 May22 May08	Jun25 Jun11 May24	Aug22 Sep04 Sep07	Sep06 Sep15 Sep21	Sep21 Sep26 Oct06	118 139 156	93 115 135	67 91 114	59 52 44
THOMPSON FALLS POWER HSE	36 32 28	May12 Apr28 Apr16	Jun02 May14 Apr30	Jun22 May29 May14	Sep01 Sep10 Sep20	Sep14 Sep22 Oct09	Sep26 Oct04 Oct28	127 154 187	103 130 161	80 107 136	55 43 27
TIBER DAM	36 32 28	May16 Apr30 Apr17	Jun02 May15 May01	Jun20 May31 May16	Aug17 Sep06 Sep15	Sep03 Sep18 Sep29	Sep20 Sep29 Oct12	116 140 170	92 125 149	68 110 128	58 49 41
TOWNSEND	36 32 28	May23 May07 Apr22	Jun14 May23 May09	Jul06 Jun09 May27	Aug22 Sep04 Sep11	Sep05 Sep16 Sep25	Sep19 Sep27 Oct08	104 132 163	82 114 138	60 96 112	59 49 39
TRIDENT	36 32 28	May19 Apr30 Apr17	Jun08 May22 May01	Jun27 Jun13 May16	Aug31 Sep06 Sep12	Sep10 Sep17 Sep27	Sep19 Sep27 Oct11	114 140 168	93 117 148	72 94 127	58 49 38
TROUT CREEK R S	36 32 28	Jun11 May15 Apr28	Jul06 Jun09 May16	Jul31 Jun04 Jun03	Aug06 Aug22 Sep02	Aug25 Sep11 Sep22	Sep12 Sep30 Oct13	84 128 161	49 92 129	13 57 97	62 47 31
TROY	36 32 28	May27 May04 Apr15	Jun19 May25 May07	Jul11 Jun15 May29	Aug18 Sep03 Sep15	Sep05 Sep20 Oct05	Sep22 Oct07 Oct26	111 149 187	78 117 151	44 86 114	58 46 30
TWIN BRIDGES	36 32 28	Jun15 May28 May08	Jul05 Jun16 May27	Jul26 Jul05 Jun16	Aug05 Aug14 Aug30	Aug20 Aug30 Sep12	Sep04 Sep14 Sep24	72 101 129	45 74 107	17 48 85	67 58 47
VALIER	36 32 28	May18 May02 Apr24	Jun07 May21 May04	Jun27 Jun08 May15	Aug29 Sep04 Sep15	Sep09 Sep18 Sep29	Sep21 Oct01 Oct14	118 144 167	93 119 147	69 94 127	56 48 38
VIDA 6 NE	36 32 28	May12 Apr29 Apr20	May25 May13 May02	Jun07 May27 May14	Sep01 Sep06 Sep16	Sep12 Sep17 Sep29	Sep22 Sep28 Oct12	127 148 168	109 127 150	92 106 132	57 50 42
VIRGINIA CITY	36 32 28	Jun16 May30 May10	Jul02 Jun18 May31	Jul19 Jul06 Jun20	Aug10 Aug20 Sep04	Aug29 Sep08 Sep18	Sep17 Sep27 Oct02	81 111 134	57 82 109	32 52 84	65 56 46
WESTBY	36 32 28	May10 Apr30 Apr23	May27 May14 May05	Jun12 May28 May17	Aug22 Sep06 Sep13	Sep07 Sep18 Sep28	Sep23 Sep30 Oct12	127 146 163	103 126 145	78 107 127	60 54 47

WESTERN AG RESEARCH CNTR	36 32 28	Jun03 May13 Apr26	Jun20 May29 May11	Jul08 Jun15 May25	Aug23 Sep02 Sep10	Sep05 Sep16 Sep25	Sep19 Sep30 Oct10	98 129 161	76 109 137	54 89 112	58 47 35
WEST GLACIER	36 32 28	Jun07 May10 Apr27	Jun22 Jun01 May11	Jul08 Jun24 May24	Aug14 Sep02 Sep11	Aug29 Sep14 Sep27	Sep13 Sep26 Oct14	91 129 164	67 104 139	43 80 114	63 52 36
WHITEFISH	36 32 28	Jun01 May06 Apr26	Jun18 May22 May06	Jul05 Jun07 May17	Aug22 Sep03 Sep13	Sep06 Sep16 Sep27	Sep20 Sep28 Oct12	101 136 164	79 116 143	57 95 123	63 54 41
WIBAUX 2 E	36 32 28	May18 May04 Apr27	Jun12 May24 May14	Jul08 Jun13 May31	Aug17 Aug27 Sep05	Sep02 Sep11 Sep23	Sep18 Sep26 Oct10	112 138 158	81 109 131	50 81 104	61 54 46
WILLSALL 8 ENE	36 32 28	Jun17 May25 May04	Jul03 Jun11 May20	Jul20 Jun29 Jun06	Aug12 Aug30 Sep06	Aug28 Sep11 Sep19	Sep14 Sep22 Oct01	81 110 142	55 90 121	30 71 99	66 56 45
WINIFRED	36 32 28	May17 May05 Apr22	Jun08 May19 May06	Jun29 Jun02 May19	Aug15 Sep04 Sep10	Sep01 Sep14 Sep21	Sep18 Sep24 Oct03	113 137 157	85 117 138	57 98 120	59 51 42
WISDOM	36 32 28	Jul21 Jul06 Jun05	Jul29 Jul20 Jul01	Aug05 Aug02 Jul28	Jul31 Jul30 Aug06	Aug02 Aug06 Aug19	Aug06 Aug13 Sep01	13 33 79	4 16 48	0 0 17	87 76 64
WYOLA 1 SW	36 32 28	May25 May14 Apr26	Jun22 May28 May11	Jul20 Jun11 May26	Aug14 Aug21 Sep07	Aug31 Sep09 Sep20	Sep18 Sep29 Oct03	107 130 151	70 104 132	32 78 112	63 54 45
YELLOWTAIL DAM	36 32 28	Apr28 Apr16 Mar29	May16 May02 Apr16	Jun02 May18 May03	Sep13 Sep16 Sep28	Sep24 Oct02 Oct17	Oct05 Oct18 Nov04	153 173 209	131 152 183	108 132 158	43 34 25
ZORTMAN	36 32 28	May14 Apr30 Apr15	Jun09 May26 May11	Jul05 Jun21 Jun07	Aug17 Aug30 Sep11	Sep04 Sep16 Sep23	Sep22 Oct04 Oct06	119 149 170	86 112 134	53 76 99	60 53 44

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 (Aug 1 - Jul 31).  
(percent of days with temperatures at or below the threshold temperature)

# 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	T h r e s h o l d (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			P r o b a b i l i t y L e v e l (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
Not Used											
ALYESKA	36 32 28	May19 May05 Apr15	Jun04 May19 Apr28	Jun19 Jun02 May11	Aug22 Sep11 Sep17	Sep08 Sep24 Oct01	Sep26 Oct06 Oct15	120 147 175	96 126 155	72 106 135	65 53 40

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 (Aug 1 - Jul 31).  
(percent of days with temperatures at or below the threshold temperature)



Freeze / Frost Occurrence Data

All probabilities in whole percent. See notes for probability level description.  
- Indicates the probability of occurrence of threshold temperatureis less than indicated probability.

State And Station Name	Thresh hold (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			Prob abil ity  (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
North Carolina											
ALBEMARLE	36 32 28	Apr12 Mar26 Mar11	Apr26 Apr11 Mar27	May11 Apr27 Apr12	Oct02 Oct11 Oct23	Oct16 Oct26 Nov07	Oct30 Nov11 Nov22	192 219 248	172 198 224	152 176 200	27 20 13
ANDREWS	36 32 28	Apr22 Apr10 Apr01	May07 Apr28 Apr14	May22 May15 Apr27	Sep24 Oct01 Oct09	Oct06 Oct14 Oct22	Oct17 Oct27 Nov04	169 190 205	151 168 190	133 147 174	38 31 23
ARCOLA	36 32 28	Apr12 Mar29 Mar14	Apr28 Apr13 Mar31	May14 Apr28 Apr17	Oct01 Oct07 Oct18	Oct15 Oct22 Nov05	Oct28 Nov06 Nov22	191 213 244	169 192 218	147 171 192	32 24 16
ASHEBORO 2 W	36 32 28	Apr03 Mar20 Feb27	Apr18 Apr04 Mar21	May03 Apr20 Apr12	Oct09 Oct16 Nov01	Oct21 Nov02 Nov15	Nov03 Nov18 Nov28	204 231 262	186 211 238	167 190 214	24 17 11
ASHEVILLE RGNL AP	36 32 28	Apr17 Apr06 Mar17	May03 Apr22 Apr02	May18 May08 Apr19	Sep26 Oct05 Oct16	Oct07 Oct15 Nov01	Oct19 Oct26 Nov18	175 193 239	157 176 212	139 159 185	34 26 17
ASHEVILLE	36 32 28	Apr09 Mar29 Mar10	Apr24 Apr12 Mar27	May09 Apr26 Apr14	Oct01 Oct08 Oct20	Oct12 Oct25 Nov08	Oct23 Nov10 Nov27	185 215 249	170 195 225	155 175 200	30 22 14
BANNER ELK	36 32 28	May03 Apr20 Apr08	May25 May11 Apr29	Jun15 Jun01 May20	Sep09 Sep17 Oct02	Sep25 Oct02 Oct13	Oct11 Oct17 Oct24	151 170 190	123 144 166	94 117 141	43 35 27
BAYBORO 3 E	36 32 28	Apr03 Mar17 Mar01	Apr17 Apr02 Mar18	Apr30 Apr18 Apr03	Oct07 Oct15 Oct30	Oct25 Nov06 Nov19	Nov13 Nov27 Dec09	216 245 267	191 217 246	166 190 225	21 15 9
BELHAVEN 5 SW	36 32 28	Mar26 Mar12 Feb24	Apr08 Mar26 Mar12	Apr20 Apr10 Mar28	Oct16 Oct26 Nov10	Nov02 Nov11 Nov27	Nov19 Nov27 Dec15	230 250 281	208 229 260	185 208 238	21 14 8
BENT CREEK	36 32 28	Apr28 Apr17 Mar30	May12 Apr29 Apr14	May27 May12 Apr29	Sep21 Sep29 Oct10	Oct03 Oct12 Oct24	Oct15 Oct24 Nov07	163 182 208	143 164 192	124 147 175	35 27 19
BLACK MOUNTAIN 2 W	36 32 28	Apr23 Apr09 Mar23	May09 Apr28 Apr09	May26 May16 Apr26	Sep24 Sep30 Oct03	Oct04 Oct12 Oct21	Oct13 Oct25 Nov08	164 190 216	147 167 194	129 144 172	35 27 19
BLOWING ROCK 1 NW	36 32 28	Apr22 Apr16 Mar30	May13 May02 Apr18	Jun02 May18 May07	Sep20 Sep29 Oct06	Oct02 Oct11 Oct22	Oct14 Oct24 Nov07	163 182 211	141 161 186	119 141 161	41 33 25
BREVARD	36 32 28	Apr22 Apr13 Mar24	May09 Apr27 Apr14	May27 May10 May06	Sep24 Sep29 Oct07	Oct05 Oct12 Oct23	Oct16 Oct25 Nov09	168 189 215	148 168 191	128 147 167	36 28 20
BURLINGTON FIRE STN #5	36 32 28	Apr04 Mar22 Mar06	Apr17 Apr06 Mar26	May01 Apr21 Apr15	Oct03 Oct10 Oct23	Oct17 Oct30 Nov11	Nov01 Nov18 Nov29	204 235 259	182 206 229	160 177 200	31 22 14

CAPE HATTERAS NWS BLDG	36	Mar14	Apr02	Apr21		Nov03	Nov21	Dec10	261	232	202	12
	32	Feb23	Mar16	Apr07		Nov11	Dec07	Jan01	299	265	230	7
	28	Jan25	Feb27	Mar31		Nov19	Dec23	Jan25	>365	294	250	4
CATALOOCHEE	36	May03	May21	Jun08		Sep16	Sep30	Oct13	158	131	104	45
	32	Apr23	May07	May21		Sep25	Oct06	Oct17	168	151	134	37
	28	Apr04	Apr21	May09		Oct04	Oct16	Oct28	197	177	157	27
CEDAR ISLAND	36	Mar18	Apr04	Apr20		Oct24	Nov13	Dec03	247	223	198	14
	32	Feb27	Mar19	Apr08		Nov08	Nov28	Dec18	283	253	223	9
	28	Feb09	Feb28	Mar20		Nov18	Dec12	Jan05	314	285	256	5
CELO 2 S	36	May03	May24	Jun14		Sep10	Sep25	Oct11	150	124	97	44
	32	Apr18	May09	May30		Sep20	Oct04	Oct18	173	147	121	36
	28	Apr08	Apr25	May13		Sep28	Oct10	Oct23	191	167	143	27
CHAPEL HILL 2 W	36	Apr06	Apr24	May12		Sep30	Oct15	Oct29	199	173	146	32
	32	Mar24	Apr12	Apr30		Oct09	Oct25	Nov09	224	195	167	24
	28	Mar10	Mar29	Apr17		Oct16	Nov03	Nov21	245	218	191	16
CHARLOTTE DGLAS INTL AP	36	Mar24	Apr11	Apr30		Oct11	Oct28	Nov13	225	199	173	23
	32	Mar11	Mar29	Apr15		Oct21	Nov09	Nov27	253	225	196	16
	28	Feb25	Mar16	Apr04		Nov03	Nov19	Dec05	271	248	224	9
CLAYTON WTP	36	Apr01	Apr22	May13		Oct11	Oct24	Nov06	209	184	160	26
	32	Mar14	Apr05	Apr27		Oct17	Nov02	Nov18	237	210	183	19
	28	Mar02	Mar23	Apr13		Oct31	Nov14	Nov29	262	236	210	12
CLINTON 2 NE	36	Mar26	Apr13	May02		Oct07	Oct21	Nov03	213	189	166	24
	32	Mar15	Mar31	Apr17		Oct16	Oct30	Nov13	237	212	187	17
	28	Feb25	Mar16	Apr04		Oct26	Nov16	Dec06	275	244	213	10
CONCORD	36	Apr05	Apr19	May02		Oct07	Oct20	Nov02	203	183	164	30
	32	Mar17	Apr05	Apr23		Oct16	Nov01	Nov16	231	209	187	22
	28	Mar05	Mar24	Apr11		Oct28	Nov13	Nov29	258	233	209	15
COWEETA EXP STATION	36	Apr27	May14	Jun01		Sep20	Oct02	Oct13	160	140	119	38
	32	Apr12	Apr30	May17		Sep27	Oct07	Oct18	180	160	140	31
	28	Mar30	Apr16	May03		Oct05	Oct19	Nov01	205	185	165	22
CULLOWHEE	36	Apr20	May07	May25		Sep25	Oct06	Oct17	174	151	128	34
	32	Apr10	Apr28	May17		Oct01	Oct14	Oct27	190	168	145	27
	28	Mar29	Apr16	May04		Oct10	Oct26	Nov11	215	192	169	20
DANBURY 5 SE	36	Apr20	May02	May14		Sep28	Oct10	Oct22	176	160	143	36
	32	Apr02	Apr18	May03		Oct07	Oct20	Nov01	205	184	164	27
	28	Mar18	Apr05	Apr22		Oct14	Nov01	Nov19	232	210	187	19
DUNN 4 NW	36	Mar28	Apr15	May02		Oct05	Oct20	Nov04	211	187	164	27
	32	Mar18	Apr03	Apr18		Oct13	Oct30	Nov17	233	210	187	20
	28	Mar01	Mar19	Apr05		Oct25	Nov13	Dec01	265	238	212	12
DURHAM	36	Apr04	Apr21	May09		Oct07	Oct21	Nov04	208	182	155	32
	32	Mar22	Apr09	Apr27		Oct12	Oct27	Nov11	225	200	175	25
	28	Mar09	Mar27	Apr14		Oct18	Nov04	Nov21	246	221	196	17
EDENTON	36	Mar26	Apr08	Apr20		Oct18	Oct31	Nov13	225	206	187	19
	32	Mar08	Mar24	Apr09		Oct30	Nov16	Dec03	260	236	213	12
	28	Feb21	Mar12	Mar30		Nov11	Nov29	Dec17	288	262	235	7
ELIZABETH CITY	36	Mar29	Apr12	Apr26		Oct12	Oct29	Nov15	223	200	176	22
	32	Mar16	Apr02	Apr19		Oct25	Nov09	Nov24	241	221	201	15
	28	Feb25	Mar14	Apr01		Nov07	Nov27	Dec17	278	257	236	9
ELIZABETH TOWN LOCK 2	36	Mar22	Apr11	May01		Oct11	Oct23	Nov04	218	194	171	23
	32	Mar13	Mar29	Apr14		Oct16	Nov04	Nov22	244	219	194	16
	28	Feb25	Mar16	Apr03		Oct31	Nov18	Dec07	274	247	220	9
ENKA	36	Apr08	May02	May26		Sep22	Oct04	Oct16	180	154	129	37
	32	Mar22	Apr18	May14		Sep29	Oct11	Oct24	204	176	148	30
	28	Mar15	Mar31	Apr16		Oct08	Oct23	Nov07	220	205	191	22
FAVETTEVILLE PWC	36	Mar25	Apr12	Apr30		Oct11	Oct23	Nov05	215	194	173	26
	32	Mar12	Mar28	Apr13		Oct20	Nov05	Nov21	246	222	197	19
	28	Feb25	Mar15	Apr02		Nov05	Nov21	Dec06	276	250	224	11

FLETCHER 3 W	36 32 28	Apr/26 Apr/15 Mar/28	May/09 Apr/28 Apr/13	May/23 May/12 Apr/29	Sep/20 Oct/01 Oct/09	Oct/03 Oct/13 Oct/23	Oct/15 Oct/25 Nov/05	164 185 207	146 167 192	128 149 176	38 30 21
FRANKLIN 3 W	36 32 28	Apr/25 Apr/13 Apr/03	May/12 May/01 Apr/18	May/29 May/18 May/03	Sep/25 Sep/30 Oct/08	Oct/07 Oct/13 Oct/21	Oct/19 Oct/26 Nov/04	170 187 204	147 165 185	123 142 166	36 29 21
GASTONIA	36 32 28	Apr/04 Mar/14 Feb/25	Apr/20 Apr/05 Mar/17	May/06 Apr/26 Apr/07	Oct/08 Oct/17 Oct/28	Oct/22 Nov/02 Nov/16	Nov/06 Nov/19 Dec/05	205 240 275	184 211 243	164 182 212	25 18 11
GOLDSBORO 4 SE	36 32 28	Mar/18 Mar/05 Feb/18	Apr/06 Mar/24 Mar/09	Apr/25 Apr/11 Mar/28	Oct/13 Oct/21 Nov/03	Oct/28 Nov/07 Nov/22	Nov/11 Nov/24 Dec/11	229 257 285	203 228 257	178 199 229	22 15 8
GRANDFATHER MOUNTAIN	36 32 28	May/02 Apr/24 Apr/14	May/20 May/10 May/01	Jun/07 May/25 May/17	Sep/12 Sep/22 Sep/30	Sep/27 Oct/04 Oct/15	Oct/12 Oct/16 Oct/30	151 166 187	129 147 166	107 128 145	41 34 27
GREENSBORO RGNL AP	36 32 28	Apr/09 Mar/24 Mar/07	Apr/23 Apr/09 Mar/26	May/07 Apr/25 Apr/14	Oct/05 Oct/15 Oct/27	Oct/18 Oct/30 Nov/11	Nov/01 Nov/13 Nov/27	197 223 256	178 203 229	158 183 203	29 22 14
GREENVILLE	36 32 28	Apr/01 Mar/15 Feb/27	Apr/13 Mar/29 Mar/16	Apr/25 Apr/12 Apr/01	Oct/10 Oct/19 Oct/27	Oct/23 Nov/03 Nov/17	Nov/05 Nov/18 Dec/09	210 240 276	193 218 246	175 196 215	25 18 11
HAMLET	36 32 28	Apr/07 Mar/27 Mar/10	Apr/23 Apr/12 Mar/29	May/09 Apr/28 Apr/17	Oct/02 Oct/12 Oct/23	Oct/17 Oct/25 Nov/08	Nov/01 Nov/07 Nov/24	200 216 250	176 195 223	152 175 196	29 22 15
HATTERAS	36 32 28	Feb/28 Feb/11 -	Mar/20 Mar/06 Feb/11	Apr/09 Mar/29 Mar/13	Nov/10 Nov/26 Dec/10	Dec/01 Dec/18 Jan/09	Dec/22 Jan/10 -	284 319 >365	255 287 324	227 254 293	9 5 2
HENDERSON 2 NNW	36 32 28	Apr/20 Apr/04 Mar/20	May/02 Apr/21 Apr/07	May/14 May/09 Apr/26	Sep/30 Oct/06 Oct/13	Oct/08 Oct/20 Oct/29	Oct/17 Nov/03 Nov/14	173 205 230	158 181 204	143 157 178	36 29 20
HENDERSONVILLE 1 NE	36 32 28	Apr/14 Apr/02 Mar/10	Apr/29 Apr/18 Apr/01	May/14 May/05 Apr/22	Sep/30 Oct/06 Oct/15	Oct/10 Oct/21 Nov/02	Oct/21 Nov/05 Nov/20	184 208 240	163 185 215	143 161 189	32 24 16
HICKORY RGNL AP	36 32 28	Apr/06 Mar/24 Mar/06	Apr/21 Apr/10 Mar/21	May/06 Apr/27 Apr/06	Oct/03 Oct/13 Oct/24	Oct/17 Oct/30 Nov/11	Nov/01 Nov/16 Nov/30	200 227 260	179 203 234	158 179 208	28 20 12
HIGHLANDS	36 32 28	Apr/27 Apr/15 Apr/01	May/13 May/02 Apr/14	May/28 May/19 Apr/27	Sep/24 Sep/26 Oct/06	Oct/03 Oct/11 Oct/22	Oct/12 Oct/27 Nov/08	160 183 213	143 161 191	126 139 169	39 31 23
HIGH POINT	36 32 28	Apr/06 Mar/23 Mar/02	Apr/19 Apr/07 Mar/23	May/02 Apr/21 Apr/13	Oct/02 Oct/12 Oct/26	Oct/16 Oct/31 Nov/11	Oct/30 Nov/19 Nov/26	199 231 257	180 207 232	161 182 206	27 19 12
HOFMANN FOREST	36 32 28	Mar/31 Mar/17 Feb/28	Apr/19 Apr/05 Mar/18	May/07 Apr/23 Apr/05	Oct/06 Oct/18 Nov/03	Oct/22 Nov/03 Nov/20	Nov/07 Nov/20 Dec/06	212 239 271	186 212 246	160 185 221	22 15 9
JACKSON	36 32 28	Apr/10 Mar/24 Mar/10	Apr/23 Apr/08 Mar/28	May/05 Apr/22 Apr/14	Oct/06 Oct/12 Oct/23	Oct/19 Oct/29 Nov/08	Oct/31 Nov/14 Nov/23	197 228 249	178 203 224	159 178 200	29 21 14
JACKSON SPRINGS 5 WNW	36 32 28	Mar/30 Mar/17 Feb/24	Apr/14 Apr/01 Mar/18	Apr/30 Apr/16 Apr/08	Oct/06 Oct/17 Nov/01	Oct/24 Nov/05 Nov/19	Nov/12 Nov/24 Dec/07	220 243 274	192 217 245	165 191 216	25 18 11
JEFFERSON 2 E	36 32 28	May/03 Apr/26 Apr/08	May/22 May/10 Apr/27	Jun/10 May/24 May/17	Sep/10 Sep/19 Oct/01	Sep/24 Oct/02 Oct/13	Oct/09 Oct/16 Oct/24	147 164 190	124 144 168	102 125 145	43 35 26
KINSTON 5 SE	36 32 28	Mar/29 Mar/18 Feb/26	Apr/18 Apr/04 Mar/19	May/08 Apr/22 Apr/08	Oct/03 Oct/10 Oct/20	Oct/20 Oct/29 Nov/10	Nov/06 Nov/17 Dec/01	210 237 270	184 207 236	158 176 201	26 19 12

KINSTON AG RESEARCH	36 32 28	Mar27 Mar13 Feb24	Apr14 Mar30 Mar18	May02 Apr15 Apr08		Oct09 Oct16 Oct28	Oct24 Nov02 Nov16	Nov07 Nov19 Dec06	218 244 274	192 216 243	166 189 212	22 15 9
LAURINBURG	36 32 28	Mar30 Mar14 Feb21	Apr15 Mar30 Mar16	May01 Apr16 Apr07		Oct08 Oct18 Oct30	Oct24 Nov03 Nov17	Nov08 Nov20 Dec04	215 244 275	191 217 245	167 191 215	23 16 10
LENOIR	36 32 28	Apr12 Mar28 Mar07	Apr27 Apr14 Mar24	May12 Apr30 Apr09		Oct02 Oct09 Oct21	Oct13 Oct23 Nov07	Oct24 Nov06 Nov24	189 214 251	168 192 228	148 170 204	32 24 16
LEWISTON	36 32 28	Apr01 Mar17 Feb28	Apr20 Apr08 Mar23	May08 Apr29 Apr14		Oct02 Oct12 Oct18	Oct20 Oct30 Nov11	Nov06 Nov18 Dec06	212 237 271	182 205 233	153 173 194	26 19 12
LEXINGTON	36 32 28	Apr07 Mar24 Mar05	Apr24 Apr11 Mar27	May10 Apr28 Apr19		Oct02 Oct07 Oct21	Oct13 Oct21 Nov05	Oct25 Nov04 Nov21	195 217 250	172 193 222	149 169 195	29 22 14
LINCOLNTON 4 W	36 32 28	Apr10 Mar27 Mar11	Apr24 Apr11 Mar29	May07 Apr27 Apr15		Oct02 Oct09 Oct18	Oct16 Oct26 Nov06	Oct30 Nov11 Nov24	194 215 246	174 196 221	154 178 196	28 20 13
LOUISBURG	36 32 28	Apr16 Apr01 Mar22	May03 Apr20 Apr07	May20 May08 Apr22		Sep23 Oct04 Oct13	Oct07 Oct20 Oct30	Oct21 Nov06 Nov16	181 210 232	156 183 206	131 156 179	37 30 22
LUMBERTON	36 32 28	Mar30 Mar15 Feb27	Apr21 Apr06 Mar22	May12 Apr28 Apr15		Oct01 Oct09 Oct14	Oct20 Oct29 Nov06	Nov08 Nov18 Nov29	217 238 266	182 205 228	146 172 190	27 20 13
MANTEO AP	36 32 28	Mar06 Feb22 Jan29	Apr11 Apr02 Mar16	May16 May10 Apr30		Oct25 Nov05 Nov22	Nov16 Nov28 Dec16	Dec07 Dec20 Jan09	266 292 327	218 239 275	170 186 222	15 10 5
MARION 2 NW	36 32 28	Apr08 Mar23 Mar07	Apr27 Apr12 Mar29	May16 May02 Apr19		Sep26 Oct03 Oct14	Oct14 Oct24 Nov06	Oct31 Nov14 Nov29	195 225 259	169 195 221	142 165 184	31 23 16
MARSHALL	36 32 28	Apr27 Apr15 Mar31	May11 Apr30 Apr16	May24 May16 May02		Sep24 Sep30 Oct08	Oct04 Oct12 Oct24	Oct15 Oct24 Nov09	163 182 212	146 164 190	129 146 169	37 30 21
MONROE 4 SE	36 32 28	Apr08 Mar26 Mar07	Apr23 Apr12 Mar24	May07 Apr28 Apr09		Oct04 Oct12 Oct22	Oct18 Oct25 Nov07	Nov01 Nov07 Nov24	200 219 251	177 196 228	155 172 205	25 18 12
MOREHEAD CITY 2 WNW	36 32 28	Mar18 Mar09 Feb23	Apr06 Mar28 Mar15	Apr26 Apr16 Apr05		Oct18 Nov01 Nov12	Nov05 Nov15 Dec02	Nov22 Nov29 Dec22	237 257 285	212 231 261	186 205 236	17 11 7
MORGANTON	36 32 28	Apr18 Apr02 Mar17	May02 Apr18 Apr03	May16 May04 Apr21		Sep24 Oct04 Oct15	Oct07 Oct16 Oct30	Oct21 Oct28 Nov14	174 201 233	157 180 209	140 159 185	33 25 17
MOUNT AIRY 2 W	36 32 28	Apr24 Apr06 Mar23	May04 Apr23 Apr06	May15 May11 Apr20		Sep28 Oct04 Oct14	Oct09 Oct17 Oct29	Oct19 Oct31 Nov13	172 197 222	157 176 205	141 155 188	35 28 20
MURPHY 2 NE	36 32 28	Apr21 Apr12 Mar29	May09 Apr29 Apr14	May26 May16 Apr30		Sep26 Oct04 Oct09	Oct08 Oct15 Oct26	Oct20 Oct26 Nov12	175 191 220	152 168 194	128 145 168	37 30 22
NEW BERN CRAVEN CO AP	36 32 28	Mar18 Mar02 Feb11	Apr03 Mar21 Feb27	Apr18 Apr08 Mar16		Oct17 Nov03 Nov13	Nov01 Nov16 Dec01	Nov16 Nov29 Dec20	236 261 301	211 239 277	186 218 252	19 12 6
NEW HOLLAND	36 32 28	Mar18 Mar02 Feb08	Apr06 Mar24 Mar06	Apr26 Apr15 Apr02		Oct16 Nov01 Nov14	Nov06 Nov21 Dec07	Nov27 Dec11 Dec30	244 275 314	213 241 275	182 207 236	18 11 6
NORTH WILKESBORO	36 32 28	Apr17 Apr10 Mar27	May03 Apr24 Apr08	May19 May09 Apr19		Sep26 Oct04 Oct14	Oct06 Oct18 Oct28	Oct17 Nov02 Nov12	178 195 220	156 176 203	134 157 186	39 32 23

OCONALUFTEE	36 32 28	Apr/30 Apr/17 Apr/06	May/16 May/06 Apr/23	Jun/01 May/25 May/09	Sep/13 Sep/22 Oct/01	Sep/27 Oct/05 Oct/14	Oct/10 Oct/17 Oct/28	153 174 196	133 151 174	113 128 152	45 37 29
PISGAH FOREST 1 N	36 32 28	Apr/26 Apr/17 Mar/31	May/11 May/01 Apr/16	May/27 May/16 May/03	Sep/21 Sep/27 Oct/09	Oct/04 Oct/10 Oct/24	Oct/17 Oct/24 Nov/08	163 179 213	145 162 190	128 145 167	42 34 25
PLYMOUTH 5 E	36 32 28	Apr/09 Mar/23 Mar/01	Apr/23 Apr/07 Mar/22	May/07 Apr/22 Apr/11	Oct/08 Oct/14 Oct/28	Oct/23 Oct/31 Nov/16	Nov/07 Nov/17 Dec/05	205 230 272	182 207 239	159 183 206	24 17 11
RALEIGH DURHAM AP	36 32 28	Apr/07 Mar/25 Mar/10	Apr/23 Apr/10 Mar/26	May/08 Apr/25 Apr/12	Oct/06 Oct/14 Oct/27	Oct/19 Oct/28 Nov/12	Nov/01 Nov/10 Nov/27	201 224 254	179 200 230	157 176 206	27 20 12
RALEIGH 4 SW	36 32 28	Apr/02 Mar/19 Mar/09	Apr/19 Apr/04 Mar/28	May/07 Apr/20 Apr/15	Oct/09 Oct/14 Oct/23	Oct/22 Oct/28 Nov/08	Nov/05 Nov/12 Nov/23	209 231 251	185 207 224	161 183 197	25 18 11
RALEIGH STATE UNIV	36 32 28	Mar/29 Mar/15 Feb/22	Apr/12 Mar/31 Mar/15	Apr/26 Apr/16 Apr/05	Oct/11 Oct/22 Nov/02	Oct/27 Nov/08 Nov/22	Nov/12 Nov/25 Dec/12	219 246 281	197 221 251	175 196 222	24 17 10
REIDSVILLE 2 NW	36 32 28	Apr/07 Mar/25 Mar/09	Apr/22 Apr/09 Mar/25	May/08 Apr/24 Apr/10	Oct/02 Oct/09 Oct/18	Oct/15 Oct/27 Nov/08	Oct/27 Nov/14 Nov/29	193 222 257	175 201 227	156 179 197	31 23 14
ROXBORO 7 ESE	36 32 28	Apr/11 Mar/26 Mar/09	Apr/26 Apr/13 Mar/30	May/10 Apr/30 Apr/20	Sep/28 Oct/06 Oct/12	Oct/15 Oct/26 Nov/03	Nov/02 Nov/15 Nov/24	198 225 247	172 196 217	147 166 186	33 26 18
SALISBURY	36 32 28	Apr/07 Mar/23 Mar/08	Apr/24 Apr/09 Mar/24	May/11 Apr/26 Apr/10	Sep/30 Oct/09 Oct/24	Oct/14 Oct/25 Nov/08	Oct/27 Nov/09 Nov/24	194 218 255	172 198 229	150 177 202	28 21 13
SHELBY 2 NNE	36 32 28	Apr/12 Mar/31 Mar/13	Apr/25 Apr/14 Mar/29	May/08 Apr/28 Apr/15	Oct/01 Oct/10 Oct/14	Oct/13 Oct/23 Nov/02	Oct/24 Nov/06 Nov/22	186 209 242	170 191 217	153 174 192	29 21 14
SILER CITY 2 N	36 32 28	Apr/02 Mar/21 Mar/11	Apr/24 Apr/12 Apr/01	May/15 May/05 Apr/21	Sep/30 Oct/09 Oct/13	Oct/15 Oct/25 Nov/05	Oct/30 Nov/11 Nov/28	204 228 255	174 196 218	144 163 180	32 24 17
SMITHFIELD	36 32 28	Mar/30 Mar/18 Feb/27	Apr/17 Apr/05 Mar/18	May/04 Apr/22 Apr/05	Oct/03 Oct/10 Oct/17	Oct/17 Oct/25 Nov/07	Nov/01 Nov/08 Nov/28	208 228 265	183 202 233	157 176 201	27 20 13
SOUTHPORT 5 N	36 32 28	Mar/26 Mar/11 Feb/22	Apr/12 Mar/28 Mar/16	Apr/28 Apr/15 Apr/07	Oct/09 Oct/19 Nov/04	Oct/26 Nov/06 Nov/20	Nov/11 Nov/23 Dec/06	222 242 274	196 222 248	170 201 222	22 16 10
STATESVILLE 2 NNE	36 32 28	Apr/17 Apr/09 Mar/23	May/02 Apr/24 Apr/08	May/17 May/09 Apr/24	Sep/27 Oct/03 Oct/12	Oct/08 Oct/18 Oct/29	Oct/19 Nov/01 Nov/15	178 200 226	158 176 203	139 152 179	33 26 18
TAPOCO	36 32 28	Apr/17 Apr/03 Mar/05	May/01 Apr/17 Mar/30	May/14 May/02 Apr/23	Sep/30 Oct/08 Oct/16	Oct/11 Oct/27 Nov/05	Oct/22 Nov/14 Nov/25	180 214 253	163 192 219	146 170 186	29 21 14
TARBORO 1 S	36 32 28	Mar/30 Mar/19 Feb/28	Apr/16 Apr/04 Mar/21	May/03 Apr/19 Apr/10	Oct/07 Oct/13 Oct/25	Oct/21 Oct/28 Nov/12	Nov/03 Nov/12 Dec/01	210 232 266	187 207 236	164 182 206	28 21 13
TRANSOU	36 32 28	May/11 May/02 Apr/15	May/28 May/17 May/02	Jun/15 Jun/02 May/19	Sep/01 Sep/12 Sep/26	Sep/17 Sep/27 Oct/07	Oct/03 Oct/13 Oct/18	136 153 177	111 132 157	86 112 136	46 38 29
TRYON	36 32 28	Apr/08 Mar/19 Mar/04	Apr/22 Apr/06 Mar/19	May/06 Apr/23 Apr/04	Oct/05 Oct/14 Oct/25	Oct/19 Oct/28 Nov/12	Nov/02 Nov/12 Nov/29	197 225 261	179 205 237	162 185 212	25 17 11
WADESBORO	36 32 28	Mar/23 Mar/08 Feb/20	Apr/08 Mar/26 Mar/11	Apr/24 Apr/12 Mar/30	Oct/12 Oct/20 Nov/08	Oct/26 Nov/07 Nov/25	Nov/10 Nov/25 Dec/12	222 252 280	200 225 258	178 198 236	23 16 9

WATERVILLE 2	36 32 28	Apr10 Mar30 Mar09	Apr26 Apr14 Mar25	May13 Apr30 Apr10		Oct05 Oct09 Oct29	Oct16 Oct26 Nov13	Oct27 Nov13 Nov27	192 216 252	172 194 232	151 173 211	30 22 14
WAYNESVILLE 1 E	36 32 28	May03 Apr24 Apr06	May20 May06 Apr21	Jun06 May19 May07		Sep14 Sep21 Oct04	Sep28 Oct05 Oct17	Oct12 Oct18 Oct31	153 169 197	131 150 178	108 131 160	40 32 24
WHITEVILLE 7 NW	36 32 28	Mar26 Mar08 Feb19	Apr13 Mar28 Mar14	May01 Apr17 Apr06		Oct11 Oct14 Nov01	Oct23 Nov01 Nov17	Nov04 Nov18 Dec02	215 244 276	193 217 247	170 190 217	24 17 10
WILLARD 4 SW	36 32 28	Mar27 Mar16 Feb27	Apr13 Apr02 Mar18	Apr30 Apr18 Apr07		Oct07 Oct19 Oct26	Oct24 Nov05 Nov16	Nov09 Nov22 Dec07	221 245 273	193 217 242	165 189 211	21 15 9
WILLIAMSTON 1 E	36 32 28	Mar23 Mar12 Feb22	Apr09 Mar29 Mar13	Apr26 Apr15 Apr01		Oct11 Oct17 Nov04	Oct25 Nov04 Nov23	Nov08 Nov22 Dec12	222 247 279	198 220 254	175 192 230	23 16 9
WILMINGTON NEW HANVR AP	36 32 28	Mar16 Feb27 Feb11	Mar31 Mar19 Mar01	Apr15 Apr08 Mar19		Oct16 Oct31 Nov14	Nov03 Nov18 Dec05	Nov21 Dec06 Dec25	242 269 306	216 243 278	191 217 250	17 11 5
WILMINGTON 7 N	36 32 28	Mar28 Mar16 Feb27	Apr12 Apr02 Mar17	Apr28 Apr19 Apr04		Oct12 Oct18 Nov03	Oct24 Nov05 Nov18	Nov05 Nov23 Dec04	213 242 269	194 217 245	175 191 222	21 15 9
WILSON 3 SW	36 32 28	Mar27 Mar17 Feb26	Apr14 Apr02 Mar16	May01 Apr18 Apr04		Oct07 Oct13 Oct25	Oct23 Nov02 Nov15	Nov08 Nov22 Dec07	217 242 274	191 213 244	166 185 213	27 20 12
W KERR SCOTT RESERVOIR	36 32 28	Apr18 Apr08 Mar29	May02 Apr23 Apr09	May17 May07 Apr20		Sep27 Oct05 Oct14	Oct08 Oct20 Nov01	Oct18 Nov03 Nov19	176 200 224	158 179 205	140 158 186	38 30 21
YADKINVILLE 6 E	36 32 28	Apr16 Apr03 Mar21	Apr30 Apr20 Apr06	May15 May07 Apr21		Sep27 Oct08 Oct12	Oct10 Oct19 Oct28	Oct23 Oct31 Nov13	184 200 225	163 182 205	141 163 184	33 25 18

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 (Aug 1 - Jul 31).  
(percent of days with temperatures at or below the threshold temperature)

Freeze / Frost Occurrence Data

All probabilities in whole percent. See notes for probability level description.  
- Indicates the probability of occurrence of threshold temperatureis less than indicated probability.

State And Station Name	Thresh hold (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			Prob o b a b i l i t y  (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
North Dakota											
AMIDON	36 32 28	May09 May01 Apr22	May26 May16 May05	Jun13 May31 May18	Sep01 Sep11 Sep15	Sep13 Sep22 Oct01	Sep26 Oct04 Oct17	134 146 169	109 129 148	84 111 128	57 50 42
ASHLEY	36 32 28	May03 May02 Apr21	May28 May14 May05	Jun22 May25 May19	Aug26 Sep10 Sep18	Sep10 Sep20 Sep29	Sep26 Oct01 Oct10	138 147 166	105 129 147	72 111 127	57 51 44
BEACH	36 32 28	May08 Apr28 Apr22	May27 May16 May06	Jun15 Jun03 May19	Aug30 Sep08 Sep15	Sep10 Sep20 Sep29	Sep22 Oct02 Oct13	130 150 167	106 126 145	81 102 124	58 51 43
BELCOURT KEYA RADIO	36 32 28	May18 May07 Apr29	Jun14 May27 May13	Jul10 Jun16 May27	Aug08 Aug25 Sep11	Aug28 Sep10 Sep23	Sep16 Sep26 Oct05	110 137 153	74 106 133	39 74 112	63 58 51
BEULAH 1 W	36 32 28	May16 May05 Apr28	Jun03 May18 May12	Jun21 Jun01 May25	Aug17 Sep03 Sep15	Sep03 Sep14 Sep27	Sep19 Sep26 Oct08	113 137 155	91 118 137	68 100 119	60 54 46
BISMARCK MUNICIPAL AP	36 32 28	May05 May01 Apr20	May28 May14 May04	Jun19 May28 May18	Aug25 Sep09 Sep15	Sep09 Sep21 Sep30	Sep23 Oct03 Oct14	128 148 169	103 129 148	78 110 126	57 51 44
BOTTINEAU	36 32 28	May10 May05 Apr22	May27 May17 May04	Jun13 May29 May17	Aug30 Sep11 Sep15	Sep11 Sep21 Sep27	Sep24 Oct01 Oct09	128 141 163	107 127 145	86 112 127	59 54 47
BOWMAN	36 32 28	May11 May01 Apr20	May28 May15 May03	Jun14 May30 May16	Aug26 Sep08 Sep16	Sep10 Sep18 Sep30	Sep25 Sep28 Oct13	124 142 168	104 125 149	84 108 129	58 52 44
BREIEN	36 32 28	May09 Apr30 Apr24	Jun01 May17 May09	Jun24 Jun04 May24	Aug15 Sep05 Sep11	Sep01 Sep16 Sep22	Sep19 Sep27 Oct04	122 142 155	92 121 135	61 100 114	59 53 47
BUTTE 5 SE	36 32 28	May09 May02 Apr20	May21 May12 May04	Jun02 May21 May18	Sep01 Sep12 Sep20	Sep14 Sep24 Oct05	Sep26 Oct06 Oct19	133 151 174	115 135 153	98 118 133	55 50 42
CARRINGTON	36 32 28	May04 May01 Apr16	May19 May10 Apr30	Jun03 May20 May14	Sep07 Sep17 Sep21	Sep17 Sep26 Oct05	Sep28 Oct06 Oct18	140 154 178	120 138 157	101 122 136	58 52 45
CARRINGTON 4 N	36 32 28	May07 May01 Apr23	May27 May14 May05	Jun17 May26 May17	Aug27 Sep07 Sep13	Sep10 Sep18 Sep27	Sep23 Sep29 Oct11	131 144 163	104 126 144	77 109 125	58 53 45
CAVALIER 7 NW	36 32 28	May08 May03 Apr21	May24 May16 May05	Jun08 May30 May18	Aug28 Sep11 Sep18	Sep11 Sep23 Oct03	Sep24 Oct05 Oct18	129 148 171	109 129 151	90 109 130	59 53 46
CENTER 4 SE	36 32 28	May11 May04 Apr26	May29 May20 May09	Jun16 Jun04 May23	Aug20 Sep04 Sep15	Sep08 Sep17 Sep29	Sep26 Sep30 Oct14	128 139 166	101 119 142	74 99 119	59 53 46

COLGATE	36 32 28	May/09 Apr/30 Apr/21	May/24 May/15 May/04	Jun/08 May/30 May/8		Aug/23 Sep/06 Sep/14	Sep/09 Sep/20 Sep/29	Sep/26 Oct/04 Oct/14	135 150 167	108 128 147	81 105 127	57 52 45
COOPERSTOWN	36 32 28	May/12 May/01 Apr/20	May/25 May/12 May/02	Jun/08 May/24 May/15		Aug/28 Sep/08 Sep/17	Sep/10 Sep/20 Sep/29	Sep/24 Oct/03 Oct/12	126 148 168	107 131 149	89 113 131	57 52 45
CROSBY	36 32 28	May/10 May/03 Apr/21	May/25 May/15 May/05	Jun/09 May/27 May/19		Aug/24 Sep/09 Sep/15	Sep/08 Sep/22 Sep/29	Sep/23 Oct/04 Oct/13	129 148 167	105 129 147	82 109 126	57 51 44
DEVILS LAKE KDLR	36 32 28	May/05 Apr/29 Apr/15	May/19 May/10 Apr/30	Jun/03 May/20 May/15		Sep/04 Sep/14 Sep/22	Sep/18 Sep/26 Oct/06	Oct/01 Oct/08 Oct/20	142 155 180	121 138 158	100 122 136	56 51 43
DICKINSON AP	36 32 28	May/07 Apr/27 Apr/21	May/25 May/13 May/04	Jun/11 May/28 May/17		Sep/02 Sep/10 Sep/19	Sep/14 Sep/22 Oct/03	Sep/26 Oct/04 Oct/17	133 154 171	112 132 151	90 109 131	56 50 42
DICKINSON EXP STN	36 32 28	May/13 May/04 Apr/26	Jun/06 May/21 May/12	Jul/01 Jun/07 May/28		Aug/15 Aug/28 Sep/11	Sep/01 Sep/12 Sep/23	Sep/17 Sep/27 Oct/04	113 135 153	86 113 133	58 91 113	62 56 49
DRAKE 9 NE	36 32 28	May/07 Apr/28 Apr/22	May/20 May/10 May/06	Jun/03 May/23 May/20		Aug/27 Sep/07 Sep/15	Sep/10 Sep/20 Sep/30	Sep/25 Oct/04 Oct/14	130 152 169	112 132 146	94 112 124	57 52 45
DRAYTON	36 32 28	May/08 May/01 Apr/19	May/23 May/14 May/03	Jun/07 May/27 May/16		Aug/30 Sep/10 Sep/17	Sep/12 Sep/23 Sep/30	Sep/25 Oct/05 Oct/12	133 152 170	111 131 150	89 110 129	59 52 46
DUNN CENTER 2 SW	36 32 28	May/05 Apr/28 Apr/22	May/23 May/13 May/05	Jun/10 May/28 May/19		Aug/29 Sep/09 Sep/17	Sep/11 Sep/22 Oct/03	Sep/25 Oct/05 Oct/18	133 153 171	111 131 150	89 109 129	57 51 43
EDGELEY 3 WNW	36 32 28	May/05 Apr/24 Apr/15	May/18 May/08 Apr/30	May/31 May/21 May/15		Sep/06 Sep/15 Sep/21	Sep/17 Sep/25 Oct/06	Sep/28 Oct/04 Oct/22	138 158 179	121 139 159	105 121 138	56 50 43
EDMORE 1 NW	36 32 28	May/13 May/08 Apr/25	Jun/06 May/22 May/09	Jun/30 Jun/04 May/23		Aug/15 Aug/31 Sep/10	Sep/02 Sep/15 Sep/23	Sep/21 Oct/01 Oct/06	122 138 156	88 116 137	53 93 117	60 55 48
ELLENDALE	36 32 28	May/07 Apr/25 Apr/19	May/20 May/08 May/03	Jun/03 May/21 May/17		Aug/31 Sep/12 Sep/21	Sep/15 Sep/22 Oct/04	Sep/30 Oct/03 Oct/17	139 155 169	117 137 153	95 118 137	55 49 42
ENDERLIN 2 W	36 32 28	May/08 Apr/27 Apr/18	May/21 May/08 May/01	Jun/04 May/20 May/14		Sep/05 Sep/12 Sep/19	Sep/15 Sep/23 Oct/04	Sep/25 Oct/04 Oct/18	136 153 175	116 137 155	96 121 136	57 51 44
FAIRFIELD	36 32 28	May/10 May/02 Apr/20	May/27 May/15 May/04	Jun/13 May/28 May/18		Sep/03 Sep/11 Sep/17	Sep/14 Sep/23 Oct/03	Sep/25 Oct/06 Oct/18	131 152 173	109 131 151	88 109 129	57 51 44
FARGO HECTOR AP	36 32 28	May/09 Apr/28 Apr/19	May/19 May/10 May/02	May/29 May/21 May/16		Sep/06 Sep/16 Sep/19	Sep/17 Sep/27 Oct/05	Sep/28 Oct/07 Oct/20	136 158 176	120 140 154	103 121 133	55 49 42
FESSENDEN	36 32 28	May/06 Apr/29 Apr/19	May/20 May/10 May/02	Jun/02 May/22 May/15		Aug/30 Sep/09 Sep/21	Sep/14 Sep/23 Oct/04	Sep/28 Oct/08 Oct/17	138 154 173	116 135 154	95 117 135	56 51 43
FORMAN 5 SSE	36 32 28	May/05 Apr/24 Apr/15	May/19 May/09 Apr/30	Jun/02 May/23 May/15		Sep/03 Sep/10 Sep/19	Sep/15 Sep/23 Oct/03	Sep/27 Oct/05 Oct/16	139 157 176	118 136 155	97 115 134	56 50 43
FORTUNA 1 W	36 32 28	May/10 May/03 Apr/24	May/27 May/16 May/07	Jun/13 May/28 May/19		Aug/23 Sep/02 Sep/14	Sep/06 Sep/15 Sep/27	Sep/19 Sep/29 Oct/10	124 142 163	101 122 142	78 102 122	61 55 48
FORT YATES 4 SW	36 32 28	Apr/29 Apr/23 Apr/15	May/18 May/09 Apr/29	Jun/05 May/25 May/12		Sep/02 Sep/10 Sep/19	Sep/18 Sep/25 Oct/07	Oct/04 Oct/10 Oct/25	151 165 187	123 138 160	94 110 134	53 46 40



FOXHOLM 7 N	36 32 28	May/07 May/04 Apr/23	May/26 May/17 May/06	Jun/15 May/30 May/19	Aug/18 Aug/31 Sep/08	Sep/05 Sep/17 Sep/26	Sep/23 Oct/04 Oct/14	131 143 167	101 122 142	71 101 117	58 53 46
FULLERTON 1 ESE	36 32 28	May/08 Apr/28 Apr/20	May/23 May/11 May/03	Jun/06 May/24 May/17	Aug/26 Sep/05 Sep/19	Sep/11 Sep/20 Oct/02	Sep/26 Oct/05 Oct/15	132 155 169	110 132 151	88 108 133	56 50 43
GACKLE	36 32 28	May/06 Apr/28 Apr/20	May/20 May/11 May/02	Jun/02 May/24 May/15	Sep/06 Sep/16 Sep/21	Sep/17 Sep/26 Oct/04	Sep/28 Oct/07 Oct/17	139 155 173	120 138 154	100 121 135	55 49 43
GARRISON 1 NNW	36 32 28	May/12 May/01 Apr/25	May/29 May/15 May/09	Jun/15 May/29 May/23	Aug/29 Sep/07 Sep/16	Sep/11 Sep/18 Sep/28	Sep/24 Sep/30 Oct/11	127 144 162	104 125 141	81 107 121	59 53 47
GRAFTON	36 32 28	May/07 Apr/26 Apr/14	May/24 May/09 Apr/30	Jun/09 May/22 May/16	Aug/27 Sep/08 Sep/20	Sep/15 Sep/24 Oct/04	Oct/04 Oct/10 Oct/19	144 160 179	114 138 157	83 115 134	55 49 42
GRAND FORKS INTL AP	36 32 28	May/08 Apr/24 Apr/11	May/26 May/12 Apr/28	Jun/12 May/30 May/15	Aug/26 Sep/05 Sep/21	Sep/11 Sep/20 Oct/05	Sep/27 Oct/06 Oct/20	134 156 182	108 131 159	81 106 137	57 50 43
GRAND FORKS UNIV NWS	36 32 28	May/08 Apr/28 Apr/15	May/21 May/10 Apr/30	Jun/03 May/22 May/14	Sep/04 Sep/17 Sep/22	Sep/15 Sep/27 Oct/06	Sep/26 Oct/07 Oct/20	135 156 179	117 139 159	98 123 139	55 49 42
GRANVILLE	36 32 28	May/09 May/04 Apr/20	May/26 May/16 May/05	Jun/12 May/27 May/20	Aug/25 Sep/03 Sep/15	Sep/08 Sep/20 Oct/01	Sep/23 Oct/07 Oct/16	126 145 170	105 126 148	83 108 126	57 51 45
HANSBORO 4 NNE	36 32 28	May/15 May/07 Apr/26	Jun/03 May/20 May/09	Jun/22 Jun/02 May/22	Aug/17 Sep/01 Sep/13	Sep/02 Sep/14 Sep/27	Sep/17 Sep/27 Oct/11	114 134 160	90 116 140	67 97 120	60 54 47
HEBRON	36 32 28	May/14 May/05 Apr/25	Jun/01 May/18 May/09	Jun/18 Jun/01 May/24	Aug/15 Sep/04 Sep/14	Sep/04 Sep/18 Sep/27	Sep/24 Oct/03 Oct/09	120 141 160	95 122 140	70 103 120	59 53 46
HILLSBORO 3 N	36 32 28	May/04 Apr/24 Apr/08	May/16 May/07 Apr/25	May/28 May/19 May/13	Sep/04 Sep/18 Sep/21	Sep/18 Sep/28 Oct/06	Oct/01 Oct/08 Oct/21	145 161 188	125 144 163	104 126 137	55 50 43
JAMESTOWN MUNICIPAL AP	36 32 28	May/06 Apr/26 Apr/15	May/21 May/08 Apr/29	Jun/05 May/21 May/13	Sep/07 Sep/11 Sep/21	Sep/18 Sep/25 Oct/04	Sep/30 Oct/09 Oct/18	142 160 174	120 139 157	97 119 140	55 49 42
JAMESTOWN ST HOSPITAL	36 32 28	May/05 Apr/25 Apr/17	May/18 May/09 Apr/30	May/30 May/23 May/12	Sep/04 Sep/14 Sep/21	Sep/14 Sep/25 Oct/05	Sep/24 Oct/06 Oct/18	135 158 176	118 138 157	102 118 139	55 49 42
KEENE 3 S	36 32 28	May/14 May/05 Apr/25	May/31 May/21 May/09	Jun/18 Jun/07 May/22	Aug/18 Aug/26 Sep/10	Sep/03 Sep/12 Sep/24	Sep/19 Sep/29 Oct/09	113 136 159	94 113 137	75 91 116	58 52 45
KENMARE 1 WSW	36 32 28	May/08 May/05 Apr/21	Jun/02 May/17 May/05	Jun/27 May/29 May/20	Aug/16 Aug/29 Sep/05	Sep/02 Sep/15 Sep/24	Sep/19 Oct/02 Oct/12	121 141 168	91 120 141	61 99 113	60 54 47
LA MOURE	36 32 28	May/09 Apr/30 Apr/22	May/25 May/15 May/05	Jun/10 May/31 May/19	Aug/26 Sep/05 Sep/11	Sep/10 Sep/20 Sep/25	Sep/25 Oct/04 Oct/09	131 151 162	107 127 142	83 102 121	58 53 46
LANGDON EXP FARM	36 32 28	May/15 May/08 Apr/26	Jun/02 May/21 May/08	Jun/20 Jun/03 May/20	Aug/19 Sep/03 Sep/13	Sep/06 Sep/17 Sep/28	Sep/24 Sep/30 Oct/12	121 138 161	95 118 142	68 99 124	61 56 48
LARIMORE	36 32 28	May/08 May/01 Apr/14	May/23 May/13 Apr/30	Jun/07 May/24 May/16	Aug/30 Sep/12 Sep/20	Sep/14 Sep/25 Oct/06	Sep/28 Oct/08 Oct/21	135 154 180	113 135 158	91 116 136	58 52 45
LEEDS	36 32 28	May/09 May/03 Apr/23	May/26 May/17 May/05	Jun/12 May/31 May/18	Aug/28 Sep/06 Sep/17	Sep/11 Sep/21 Oct/01	Sep/24 Oct/06 Oct/15	130 149 167	106 126 148	83 104 130	60 54 47

LINTON	36 32 28	May/09 Apr/29 Apr/27	Jun/01 May/19 May/11	Jun/24 Jun/09 May/25	Aug/26 Sep/03 Sep/12	Sep/09 Sep/17 Sep/25	Sep/23 Oct/01 Oct/08	129 145 158	99 120 136	69 94 115	57 52 45
LIBSON	36 32 28	May/08 Apr/27 Apr/19	May/24 May/10 May/02	Jun/10 May/23 May/16	Aug/31 Sep/09 Sep/20	Sep/12 Sep/22 Oct/01	Sep/25 Oct/04 Oct/12	132 153 171	110 134 151	89 115 131	57 51 44
MANDAN EXPERIMENT STN	36 32 28	May/05 May/01 Apr/20	May/22 May/13 May/04	Jun/09 May/26 May/18	Aug/30 Sep/11 Sep/16	Sep/12 Sep/23 Oct/01	Sep/25 Oct/04 Oct/15	134 149 170	112 132 149	90 115 128	56 51 44
MAX	36 32 28	May/10 May/02 Apr/19	May/25 May/13 May/03	Jun/09 May/25 May/17	Aug/29 Sep/10 Sep/18	Sep/12 Sep/22 Oct/02	Sep/27 Oct/04 Oct/15	131 148 172	110 131 151	88 114 129	59 53 46
MC CLUSKY	36 32 28	May/07 May/29 Apr/20	May/18 May/11 May/01	May/30 May/22 May/13	Sep/05 Sep/16 Sep/20	Sep/17 Sep/26 Oct/03	Sep/28 Oct/07 Oct/16	137 155 171	121 138 154	104 120 136	55 49 42
MC HENRY 3 W	36 32 28	May/10 May/03 Apr/20	May/25 May/13 May/03	Jun/08 May/23 May/16	Aug/30 Sep/09 Sep/16	Sep/13 Sep/21 Sep/30	Sep/28 Oct/02 Oct/14	136 147 169	111 129 149	86 112 129	59 53 47
MC LEOD 3 E	36 32 28	May/06 Apr/27 Apr/17	May/22 May/10 May/01	Jun/07 May/23 May/16	Sep/05 Sep/14 Sep/19	Sep/15 Sep/24 Oct/01	Sep/25 Oct/05 Oct/13	137 156 173	115 137 152	93 117 130	55 49 43
MEDORA	36 32 28	May/14 May/01 Apr/23	Jun/03 May/20 May/08	Jun/22 Jun/08 May/23	Aug/21 Sep/02 Sep/10	Sep/05 Sep/14 Sep/23	Sep/19 Sep/26 Oct/07	117 135 159	93 117 138	69 99 116	58 51 43
MINOT AP	36 32 28	May/05 Apr/26 Apr/16	May/17 May/09 Apr/30	May/30 May/22 May/13	Sep/06 Sep/14 Sep/20	Sep/17 Sep/28 Oct/07	Sep/29 Oct/11 Oct/24	139 161 180	122 141 160	105 120 140	54 48 41
MINOT EXPERIMENT STN	36 32 28	May/11 Apr/30 Apr/19	May/23 May/12 May/03	Jun/05 May/25 May/16	Sep/01 Sep/05 Sep/19	Sep/14 Sep/21 Oct/03	Sep/27 Oct/08 Oct/17	135 153 172	113 131 152	92 110 132	57 52 45
MOFIT 3 SE	36 32 28	May/03 Apr/30 Apr/23	May/31 May/17 May/07	Jun/27 Jun/03 May/21	Aug/23 Sep/06 Sep/11	Sep/09 Sep/20 Sep/25	Sep/27 Oct/03 Oct/09	135 150 160	101 125 140	67 101 120	57 51 44
MOHALL	36 32 28	May/12 May/03 Apr/18	May/26 May/15 May/04	Jun/09 May/27 May/20	Aug/30 Sep/02 Sep/09	Sep/11 Sep/17 Sep/28	Sep/22 Oct/02 Oct/17	127 144 174	107 124 146	87 104 119	60 54 47
MOTT	36 32 28	May/11 Apr/29 Apr/22	May/26 May/15 May/06	Jun/10 Jun/01 May/19	Sep/01 Sep/08 Sep/16	Sep/12 Sep/18 Sep/28	Sep/22 Sep/29 Oct/10	129 146 162	108 125 144	87 105 126	59 53 46
NAPOLEON	36 32 28	May/06 Apr/29 Apr/21	May/22 May/15 May/05	Jun/06 May/31 May/18	Aug/31 Sep/11 Sep/18	Sep/13 Sep/23 Sep/29	Sep/27 Oct/05 Oct/10	136 150 167	114 130 147	91 111 127	57 52 45
NEW ENGLAND	36 32 28	May/08 Apr/30 Apr/23	May/25 May/16 May/06	Jun/12 May/31 May/20	Aug/31 Sep/08 Sep/16	Sep/11 Sep/19 Sep/30	Sep/22 Sep/30 Oct/13	127 145 165	108 125 146	90 106 127	57 51 43
NEW SALEM 5 NW	36 32 28	May/05 Apr/30 Apr/22	May/29 May/18 May/08	Jun/23 Jun/05 May/24	Aug/18 Sep/08 Sep/13	Sep/07 Sep/21 Sep/27	Sep/26 Oct/05 Oct/10	133 151 164	99 126 141	66 100 117	57 52 45
OAKES 2 S	36 32 28	May/06 Apr/27 Apr/18	May/18 May/09 May/03	May/30 May/22 May/17	Sep/04 Sep/12 Sep/20	Sep/14 Sep/24 Oct/04	Sep/24 Oct/06 Oct/17	136 158 171	119 137 153	101 116 135	57 51 45
PEMBINA	36 32 28	May/14 May/09 Apr/24	Jun/04 May/22 May/08	Jun/26 Jun/05 May/23	Aug/18 Sep/01 Sep/14	Sep/03 Sep/15 Sep/27	Sep/18 Sep/29 Oct/10	116 135 160	90 116 141	63 96 121	61 55 48
PETERSBURG 2 N	36 32 28	May/09 Apr/30 Apr/18	May/25 May/17 May/02	Jun/10 Jun/02 May/17	Aug/23 Sep/08 Sep/12	Sep/07 Sep/19 Sep/26	Sep/22 Sep/30 Oct/10	127 148 167	105 125 146	82 101 124	60 54 48

POWERS LAKE 1 N	36 32 28	May13 May08 Apr25	Jun04 May22 May09	Jun26 Jun05 May23	Aug16 Aug25 Sep07	Sep01 Sep10 Sep22	Sep18 Sep26 Oct06	114 129 156	89 110 135	63 91 114	62 56 49
PRETTY ROCK	36 32 28	May08 May02 Apr22	May29 May18 May08	Jun20 Jun02 May23	Aug25 Sep05 Sep12	Sep07 Sep17 Sep25	Sep21 Sep29 Oct09	124 141 161	100 122 140	76 102 119	57 51 43
RICHARDTON ABBEY	36 32 28	May09 Apr28 Apr17	May21 May10 May01	Jun01 May22 May14	Sep09 Sep11 Sep21	Sep18 Sep26 Oct05	Sep27 Oct11 Oct19	134 158 173	120 139 156	106 119 140	54 48 40
RIVERDALE	36 32 28	May05 Apr29 Apr16	May18 May11 Apr30	May31 May22 May13	Sep02 Sep11 Sep17	Sep14 Sep24 Sep30	Sep27 Oct07 Oct14	136 156 173	119 136 153	101 116 133	58 52 45
ROLLA 3 NW	36 32 28	May16 May05 Apr23	May29 May16 May04	Jun11 May27 May16	Sep06 Sep12 Sep21	Sep18 Sep24 Oct05	Sep29 Oct07 Oct18	133 148 171	111 131 153	89 113 134	59 53 47
RUGBY	36 32 28	May07 Apr28 Apr16	May22 May14 May03	Jun07 May30 May20	Aug22 Sep08 Sep19	Sep10 Sep21 Oct04	Sep28 Oct04 Oct18	138 150 179	110 129 153	81 108 128	57 51 44
SHARON	36 32 28	May05 Apr29 Apr16	May23 May10 May01	Jun10 May21 May16	Aug28 Sep12 Sep16	Sep12 Sep23 Oct01	Sep26 Oct04 Oct17	133 150 176	111 135 152	89 120 129	57 51 44
STANLEY 3 NNW	36 32 28	May11 May04 Apr25	May27 May17 May06	Jun13 May31 May18	Aug22 Aug31 Sep13	Sep07 Sep15 Sep26	Sep22 Sep30 Oct10	123 142 161	102 119 142	81 97 123	62 56 49
STEELE 3 N	36 32 28	May07 Apr28 Apr20	May23 May12 May01	Jun08 May27 May12	Aug25 Sep10 Sep19	Sep12 Sep23 Oct01	Sep30 Oct05 Oct13	140 152 170	111 133 153	82 113 135	57 51 44
TIOGA 1 E	36 32 28	May11 May07 Apr29	Jun07 May24 May13	Jun04 Jun09 May26	Aug17 Aug21 Sep07	Sep03 Sep08 Sep21	Sep19 Sep26 Oct05	115 125 152	87 107 131	60 88 109	62 56 49
TOWNER 2 NE	36 32 28	May10 May03 Apr23	Jun01 May19 May07	Jun23 Jun04 May22	Aug17 Aug29 Sep06	Sep03 Sep15 Sep24	Sep21 Oct02 Oct11	124 142 161	94 118 139	63 95 116	61 55 48
TROTTERS 3 SSE	36 32 28	May06 Apr29 Apr21	May24 May14 May05	Jun10 May29 May20	Sep04 Sep12 Sep16	Sep13 Sep22 Sep30	Sep22 Oct02 Oct14	132 151 169	112 130 147	92 109 126	56 49 41
TURTLE LAKE	36 32 28	May10 May02 Apr22	May24 May15 May06	Jun07 May27 May20	Aug30 Sep09 Sep17	Sep12 Sep21 Sep29	Sep26 Oct03 Oct12	131 150 167	111 129 146	91 107 125	58 53 46
UNDERWOOD	36 32 28	May08 Apr30 Apr22	May22 May13 May03	Jun05 May25 May14	Sep01 Sep13 Sep21	Sep15 Sep25 Oct03	Sep29 Oct06 Oct16	136 153 169	115 135 152	95 117 136	56 51 43
UPHAM 3 N	36 32 28	May12 May07 Apr30	Jun04 May19 May12	Jun27 May31 May23	Aug18 Aug25 Sep10	Sep03 Sep10 Sep21	Sep19 Sep25 Oct03	120 132 147	90 113 132	59 94 117	61 56 50
VALLEY CITY 3 NNW	36 32 28	May11 Apr30 Apr24	May23 May12 May05	Jun05 May24 May17	Sep01 Sep10 Sep17	Sep12 Sep21 Sep30	Sep24 Oct02 Oct12	131 150 164	111 132 147	92 113 130	59 54 47
VELVA 3 NE	36 32 28	May10 May03 Apr21	May25 May16 May05	Jun10 May29 May19	Aug25 Sep05 Sep19	Sep09 Sep20 Oct01	Sep24 Oct05 Oct12	128 147 168	106 126 148	83 105 128	57 52 44
WASHBURN	36 32 28	May05 Apr28 Apr20	May19 May11 May03	Jun03 May23 May17	Sep06 Sep13 Sep21	Sep17 Sep26 Oct06	Sep27 Oct09 Oct21	138 158 176	120 137 155	101 117 135	55 50 42
WATFORD CITY	36 32 28	May10 May03 Apr24	May29 May18 May06	Jun18 Jun01 May19	Aug21 Sep03 Sep13	Sep06 Sep14 Sep25	Sep22 Sep26 Oct08	122 135 161	99 119 141	76 102 122	61 55 49

WATFORD CITY 14 S	36	May12	May30	Jun17	Aug18	Sep03	Sep18	119	95	72	57
	32 28	Apr29 Apr24	May15 May08	May31 May22	Aug31 Sep14	Sep12 Sep25	Sep25 Oct06	142 159	119 139	97 118	50 43
WESTHOPE	36	May05	May28	Jun20	Aug20	Sep06	Sep23	130	100	70	58
	32 28	May04 Apr22	May17 May07	May29 May21	Sep02 Sep13	Sep17 Sep25	Oct01 Oct07	141 161	122 141	104 120	52 46
WILDROSE 3 NW	36	May10	May25	Jun09	Aug24	Sep07	Sep21	126	105	84	60
	32 28	May03 Apr23	May15 May06	May27 May19	Sep05 Sep14	Sep17 Sep26	Sep30 Oct08	143 161	125 143	106 125	54 47
WILLISTON SLOULIN AP	36	May07	May26	Jun14	Sep02	Sep11	Sep21	128	108	88	58
	32 28	May01 Apr22	May15 May05	May30 May19	Sep09 Sep15	Sep22 Sep29	Oct04 Oct12	149 166	128 146	107 125	51 45
WILLISTON EXP FARM	36	May07	May20	Jun03	Sep04	Sep14	Sep24	132	116	100	56
	32 28	Apr29 Apr19	May12 May03	May24 May16	Sep10 Sep17	Sep22 Oct02	Oct04 Oct17	153 171	133 152	112 133	49 42
WILLOW CITY	36	May09	May29	Jun18	Aug15	Sep03	Sep22	130	96	62	61
	32 28	May04 Apr23	May18 May07	Jun02 May20	Aug30 Sep12	Sep15 Sep25	Sep30 Oct08	141 159	119 141	96 122	56 49
WILTON	36	May07	May20	Jun02	Aug30	Sep14	Sep29	140	116	93	57
	32 28	Apr29 Apr17	May12 May03	May25 May19	Sep11 Sep19	Sep25 Oct03	Oct08 Oct17	155 174	135 152	116 129	51 45
WISHEK	36	May02	May29	Jun25	Aug15	Sep06	Sep29	141	100	58	59
	32 28	Apr27 Apr18	May20 May08	Jun12 May27	Sep02 Sep14	Sep18 Sep27	Oct04 Oct10	150 169	120 141	90 114	53 47

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 (Aug 1 - Jul 31).  
(percent of days with temperatures at or below the threshold temperature)

Freeze / Frost Occurrence Data

All probabilities in whole percent. See notes for probability level description.  
- Indicates the probability of occurrence of threshold temperatureis less than indicated probability.

State And Station Name	Thresh old (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			Prob abil ity  (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
Nebraska											
AGATE 3 E	36 32 28	May30 May17 May02	Jun21 Jun09 May20	Jul13 Jul02 Jun06	Aug12 Aug22 Sep06	Aug30 Sep09 Sep18	Sep18 Sep27 Sep29	100 120 140	69 91 120	39 62 101	63 56 48
AINSWORTH	36 32 28	Apr27 Apr21 Apr09	May10 May02 Apr23	May22 May13 May07	Sep14 Sep20 Sep28	Sep26 Oct07 Oct14	Oct07 Oct24 Oct30	155 176 195	138 157 174	122 139 152	47 40 33
ALBION 1 N	36 32 28	Apr28 Apr20 Apr09	May10 May04 Apr24	May23 May17 May10	Sep12 Sep15 Sep23	Sep23 Sep30 Oct09	Oct04 Oct15 Oct24	151 168 185	135 148 167	118 129 148	51 45 38
ALLANCE 1 WNW	36 32 28	May04 Apr26 Apr15	May23 May11 Apr30	Jun10 May25 May15	Sep09 Sep13 Sep20	Sep18 Sep25 Oct04	Sep27 Oct07 Oct18	138 153 174	118 136 156	97 120 138	56 49 41
ANSELMO 2 SE	36 32 28	May03 Apr26 Apr19	May26 May10 May01	Jun18 May23 May12	Sep01 Sep12 Sep18	Sep17 Sep24 Oct03	Oct02 Oct06 Oct18	142 156 171	113 137 154	85 118 138	54 47 39
ARNOLD	36 32 28	Apr26 Apr16 Apr16	May19 May10 Apr29	Jun11 Jun02 May12	Sep09 Sep13 Sep19	Sep19 Sep26 Oct04	Sep29 Oct09 Oct19	146 163 175	122 139 158	97 115 141	52 46 39
ARTHUR	36 32 28	May05 Apr28 Apr20	May21 May10 May02	Jun07 May22 May14	Sep07 Sep14 Sep18	Sep19 Sep25 Oct04	Oct01 Oct06 Oct20	140 153 174	120 137 154	99 121 134	55 48 41
ASHLAND 2	36 32 28	Apr20 Apr11 Mar30	May04 Apr26 Apr12	May17 May10 Apr26	Sep15 Sep22 Oct04	Sep28 Oct07 Oct20	Oct11 Oct22 Nov06	164 183 210	147 164 190	129 145 171	46 40 33
ATKINSON	36 32 28	Apr27 Apr20 Apr07	May08 May02 Apr23	May20 May13 May09	Sep11 Sep15 Sep21	Sep22 Sep30 Oct09	Oct02 Oct15 Oct26	152 173 193	136 150 168	120 128 144	49 42 35
AUBURN 5 ESE	36 32 28	Apr16 Apr09 Mar27	May01 Apr25 Apr10	May17 May11 Apr23	Sep17 Sep19 Sep28	Sep27 Oct05 Oct18	Oct08 Oct20 Nov06	168 185 215	148 162 190	128 138 166	42 37 28
AURORA	36 32 28	Apr17 Apr08 Mar29	May01 Apr23 Apr10	May15 May07 Apr23	Sep17 Sep25 Oct04	Sep30 Oct11 Oct20	Oct12 Oct27 Nov05	172 189 213	151 170 192	130 151 170	46 40 32
BEAVER CITY	36 32 28	Apr30 Apr21 Apr09	May15 May05 Apr24	May29 May20 May08	Sep11 Sep15 Sep25	Sep22 Sep28 Oct10	Oct03 Oct11 Oct25	144 165 187	130 146 168	115 126 150	49 43 35
BENKELMAN	36 32 28	May01 Apr23 Apr12	May13 May05 Apr26	May26 May18 May11	Sep13 Sep18 Sep28	Sep25 Oct04 Oct12	Oct08 Oct19 Oct27	151 171 187	134 150 168	118 130 149	52 46 39
BIG SPRINGS	36 32 28	Apr30 Apr24 Apr11	May15 May06 Apr24	May30 May18 May08	Sep09 Sep18 Sep30	Sep22 Oct01 Oct13	Oct05 Oct14 Oct26	148 166 187	129 147 171	110 128 154	53 47 39

BLAIR	36 32 28	Apr16 Apr11 Mar30	May02 Apr25 Apr11	May18 May09 Apr23	Sep14 Sep23 Oct06	Sep29 Oct10 Oct20	Oct14 Oct26 Nov04	172 186 212	149 167 192	127 147 172	46 39 32
BREWSTER	36 32 28	May03 Apr25 Apr15	May18 May07 Apr28	Jun03 May19 May10	Sep08 Sep13 Sep19	Sep19 Sep25 Oct05	Sep30 Oct08 Oct21	143 159 179	123 141 160	103 123 141	54 48 41
BRIDGEPORT	36 32 28	May03 Apr27 Apr14	May21 May08 Apr27	Jun09 May19 May10	Sep09 Sep14 Sep20	Sep20 Sep25 Oct03	Sep30 Oct06 Oct17	141 155 177	120 140 159	99 124 140	53 47 38
BROKEN BOW 2 W	36 32 28	May06 Apr29 Apr18	May22 May12 May02	Jun07 May25 May16	Sep06 Sep13 Sep15	Sep18 Sep25 Oct01	Oct01 Oct08 Oct17	139 155 171	119 135 152	98 116 132	53 48 41
BURWELL	36 32 28	Apr30 Apr22 Apr10	May12 May04 Apr25	May24 May17 May11	Sep12 Sep16 Sep22	Sep22 Sep28 Oct08	Oct02 Oct10 Oct24	147 165 185	132 146 165	118 126 144	51 45 38
BUTTE	36 32 28	Apr27 Apr19 Apr07	May08 May03 Apr22	May19 May16 May06	Sep15 Sep19 Sep26	Sep26 Oct03 Oct12	Oct08 Oct17 Oct29	156 171 193	140 152 173	124 133 153	49 42 34
CAMBRIDGE	36 32 28	Apr28 Apr19 Apr08	May12 May02 Apr23	May25 May15 May07	Sep14 Sep17 Sep30	Sep25 Oct01 Oct12	Oct07 Oct15 Oct24	152 169 188	136 151 172	120 133 155	50 44 37
CANADAY STEAM PLANT	36 32 28	Apr26 Apr16 Apr07	May08 Apr30 Apr20	May19 May15 May03	Sep15 Sep20 Sep29	Sep27 Oct07 Oct14	Oct09 Oct23 Oct30	158 179 195	142 158 177	126 138 159	49 42 35
CENTRAL CITY	36 32 28	Apr20 Apr13 Mar29	May02 Apr25 Apr11	May13 May07 Apr24	Sep16 Sep24 Oct05	Sep29 Oct10 Oct20	Oct11 Oct25 Nov03	168 185 209	149 167 191	130 149 172	44 37 30
CHADRON 1 SSW	36 32 28	May07 Apr26 Apr15	May21 May11 Apr27	Jun03 May25 May09	Sep09 Sep13 Sep17	Sep20 Sep26 Oct05	Oct02 Oct10 Oct23	141 161 185	122 138 161	102 115 136	53 46 38
CHAMBERS	36 32 28	Apr26 Apr17 Apr09	May08 Apr30 Apr22	May20 May13 May05	Sep12 Sep15 Sep27	Sep24 Sep30 Oct12	Oct05 Oct15 Oct27	157 173 190	138 152 172	119 131 154	51 44 37
CLARKSON	36 32 28	Apr23 Apr15 Apr09	May06 Apr30 Apr23	May20 May14 May07	Sep12 Sep14 Sep24	Sep24 Sep29 Oct09	Oct05 Oct14 Oct25	157 173 187	139 151 169	121 130 150	48 42 35
CLAY CENTER	36 32 28	Apr22 Apr11 Mar31	May08 Apr27 May16	May24 May12 May02	Sep15 Sep15 Sep26	Sep26 Oct03 Oct12	Oct07 Oct21 Oct28	163 183 203	140 159 178	117 135 153	48 42 34
COLUMBUS 3 NE	36 32 28	Apr18 Apr10 Mar28	May02 Apr25 Apr10	May16 May10 Apr23	Sep14 Sep22 Oct03	Sep28 Oct07 Oct18	Oct11 Oct22 Nov02	167 187 211	147 165 190	128 142 169	45 39 32
CREIGHTON	36 32 28	Apr26 Apr16 Apr08	May09 Apr30 Apr21	May22 May13 May04	Sep11 Sep14 Sep25	Sep23 Sep30 Oct11	Oct05 Oct15 Oct27	156 173 191	137 153 172	118 132 153	47 41 34
CRESCENT LAKE NAT WL R	36 32 28	May06 Apr27 Apr19	May24 May11 May01	Jun11 May25 May13	Sep02 Sep09 Sep13	Sep15 Sep24 Sep30	Sep28 Oct08 Oct17	137 156 176	113 135 152	89 113 128	55 48 40
CRETE	36 32 28	Apr17 Apr08 Mar28	May01 Apr23 Apr11	May15 May08 Apr24	Sep14 Sep23 Oct02	Sep28 Oct07 Oct18	Oct13 Oct21 Nov03	169 185 208	149 167 190	129 148 172	43 36 29
CULBERTSON	36 32 28	Apr30 Apr24 Apr10	May14 May07 Apr24	May29 May19 May08	Sep13 Sep15 Sep27	Sep24 Sep29 Oct12	Oct06 Oct12 Oct26	151 164 189	132 144 170	113 125 151	53 48 40
CURTIS 3 NNE	36 32 28	May01 Apr26 Apr19	May17 May09 May01	Jun02 May21 May13	Sep04 Sep13 Sep17	Sep19 Sep24 Oct04	Oct05 Oct06 Oct20	146 158 177	124 138 155	103 118 133	54 48 40

DALTON	36 32 28	May/06 Apr/27 Apr/17	May/23 May/09 Apr/29	Jun/09 May/20 May/11	Sep/08 Sep/12 Sep/26	Sep/20 Sep/29 Oct/10	Oct/03 Oct/16 Oct/24	142 167 185	120 143 164	97 118 143	54 46 37
DAVID CITY	36 32 28	Apr/18 Apr/09 Mar/28	May/03 Apr/25 Apr/13	May/18 May/12 Apr/30	Sep/17 Sep/26 Oct/01	Sep/29 Oct/09 Oct/18	Oct/10 Oct/23 Nov/04	170 187 209	148 166 187	126 145 165	46 40 32
ELLSWORTH 15 NNE	36 32 28	May/10 Apr/29 Apr/20	May/29 May/15 May/02	Jun/16 May/31 May/14	Sep/05 Sep/10 Sep/17	Sep/17 Sep/23 Oct/01	Sep/28 Oct/07 Oct/16	134 154 172	110 131 152	87 108 131	56 50 42
ENDERS LAKE	36 32 28	Apr/28 Apr/24 Apr/12	May/18 May/07 Apr/27	Jun/07 May/20 May/13	Sep/13 Sep/14 Sep/22	Sep/23 Sep/27 Oct/09	Oct/03 Oct/11 Oct/26	150 162 183	127 143 164	104 123 144	54 48 41
EWING	36 32 28	Apr/28 Apr/19 Apr/10	May/12 May/03 Apr/25	May/26 May/17 May/10	Sep/11 Sep/14 Sep/19	Sep/21 Sep/26 Oct/05	Oct/02 Oct/09 Oct/21	151 166 184	132 146 162	112 126 141	49 43 36
FAIRBURY	36 32 28	Apr/19 Apr/11 Mar/31	May/03 Apr/26 Apr/13	May/18 May/10 Apr/26	Sep/14 Sep/24 Oct/04	Sep/28 Oct/09 Oct/21	Oct/11 Oct/25 Nov/07	165 184 208	146 166 191	128 148 173	46 40 32
FAIRMONT	36 32 28	Apr/20 Apr/08 Mar/29	May/02 Apr/23 Apr/11	May/13 May/08 Apr/23	Sep/11 Sep/27 Oct/04	Sep/28 Oct/11 Oct/19	Oct/16 Oct/25 Nov/03	168 188 210	149 170 190	130 153 171	46 39 31
FALLS CITY 2 NE	36 32 28	Apr/15 Apr/07 Mar/24	Apr/30 Apr/19 Apr/06	May/14 May/02 Apr/19	Sep/19 Sep/23 Sep/26	Oct/02 Oct/10 Oct/18	Oct/15 Oct/27 Nov/10	176 196 223	155 173 195	134 150 167	43 36 29
FREMONT	36 32 28	Apr/19 Apr/09 Mar/30	Apr/30 Apr/24 Apr/13	May/12 May/09 Apr/28	Sep/14 Sep/21 Oct/01	Sep/26 Oct/07 Oct/16	Oct/07 Oct/22 Oct/30	164 187 206	148 165 185	131 142 164	44 37 30
GENEVA	36 32 28	Apr/20 Apr/09 Mar/29	May/02 Apr/22 Apr/10	May/13 May/06 Apr/22	Sep/16 Sep/26 Oct/06	Sep/29 Oct/11 Oct/21	Oct/12 Oct/26 Nov/05	169 189 213	150 171 193	131 153 173	44 37 29
GENOA 2 W	36 32 28	Apr/28 Apr/20 Apr/09	May/11 May/02 Apr/24	May/24 May/15 May/09	Sep/11 Sep/15 Sep/24	Sep/22 Sep/30 Oct/08	Oct/04 Oct/15 Oct/21	152 169 183	134 150 166	115 131 149	48 42 35
GORDON 6 N	36 32 28	May/09 Apr/29 Apr/20	May/27 May/15 May/02	Jun/14 Jun/01 May/15	Sep/01 Sep/10 Sep/18	Sep/15 Sep/24 Oct/05	Sep/30 Oct/08 Oct/22	134 158 178	111 131 155	87 103 132	56 49 41
GOTHENBURG	36 32 28	Apr/30 Apr/22 Apr/11	May/13 May/04 Apr/24	May/26 May/16 May/08	Sep/12 Sep/15 Sep/27	Sep/23 Sep/29 Oct/12	Oct/05 Oct/13 Oct/26	147 163 190	133 147 170	118 131 149	50 44 36
GRAND ISLAND CTR NE AP	36 32 28	Apr/24 Apr/12 Mar/30	May/06 Apr/26 Apr/14	May/17 May/10 Apr/29	Sep/14 Sep/23 Oct/01	Sep/26 Oct/08 Oct/16	Oct/09 Oct/22 Oct/30	160 183 202	143 164 184	125 145 165	47 40 32
GREERLEY	36 32 28	Apr/27 Apr/25 Apr/16	May/21 May/06 Apr/30	Jun/15 May/16 May/14	Sep/03 Sep/13 Sep/21	Sep/19 Sep/25 Oct/06	Oct/05 Oct/08 Oct/21	152 160 179	120 142 158	88 124 137	52 46 39
HAIGLER	36 32 28	May/01 Apr/21 Apr/10	May/12 May/05 Apr/24	May/23 May/19 May/07	Sep/14 Sep/18 Sep/30	Sep/27 Oct/05 Oct/15	Oct/09 Oct/23 Oct/31	153 173 191	137 153 174	121 132 157	51 45 37
HARLAN COUNTY LAKE	36 32 28	Apr/24 Apr/14 Apr/02	May/07 Apr/28 Apr/15	May/21 May/11 Apr/29	Sep/16 Sep/22 Sep/30	Sep/29 Oct/06 Oct/16	Oct/11 Oct/20 Oct/31	163 179 205	143 161 182	124 142 160	49 43 35
HARRISBURG 12 WNW	36 32 28	May/17 May/06 Apr/23	Jun/08 May/22 May/06	Jun/29 Jun/08 May/19	Aug/26 Sep/08 Sep/14	Sep/10 Sep/18 Sep/26	Sep/25 Sep/28 Oct/08	119 136 161	93 118 142	68 100 123	59 51 42
HARRISON	36 32 28	May/19 May/04 Apr/26	Jun/06 May/25 May/12	Jun/24 Jun/16 May/28	Sep/04 Sep/09 Sep/13	Sep/14 Sep/19 Sep/28	Sep/24 Sep/30 Oct/13	121 142 162	99 116 138	77 90 114	59 52 44

HARTINGTON	36 32 28	Apr/23 Apr/14 Apr/07	May/06 Apr/28 Apr/21	May/20 May/13 May/05	Sep/11 Sep/20 Sep/28	Sep/24 Oct/05 Oct/13	Oct/07 Oct/21 Oct/29	158 176 195	140 159 175	121 143 155	47 41 33
HASTINGS 4 N	36 32 28	Apr/17 Apr/08 Mar/31	Apr/30 Apr/22 Apr/11	May/13 May/06 Apr/23	Sep/18 Sep/24 Oct/06	Sep/28 Oct/09 Oct/21	Oct/09 Oct/24 Nov/05	167 184 210	150 169 192	134 155 174	46 39 31
HAYES CENTER	36 32 28	Apr/29 Apr/19 Apr/09	May/09 May/01 Apr/21	May/19 May/14 May/03	Sep/15 Sep/22 Sep/30	Sep/26 Oct/07 Oct/17	Oct/06 Oct/23 Nov/02	154 174 196	139 158 178	123 142 160	50 43 35
HAY SPRINGS	36 32 28	May/11 May/01 Apr/18	May/26 May/15 Apr/30	Jun/11 May/29 May/13	Sep/06 Sep/12 Sep/16	Sep/17 Sep/23 Oct/01	Sep/28 Oct/05 Oct/16	131 149 172	113 131 153	95 113 134	56 50 41
HAY SPRINGS 12 S	36 32 28	May/14 May/01 Apr/25	May/28 May/15 May/05	Jun/11 May/29 May/15	Sep/05 Sep/10 Sep/14	Sep/15 Sep/21 Sep/27	Sep/25 Oct/02 Oct/10	126 148 160	109 128 144	92 108 128	59 52 43
HEBRON	36 32 28	Apr/18 Apr/10 Apr/01	May/03 Apr/25 Apr/12	May/18 May/11 Apr/23	Sep/16 Sep/26 Oct/04	Sep/28 Oct/09 Oct/20	Oct/10 Oct/23 Nov/05	167 183 206	148 167 190	129 150 174	45 39 32
HEMINGFORD	36 32 28	May/07 Apr/28 Apr/12	May/23 May/10 Apr/25	Jun/08 May/22 May/08	Sep/11 Sep/14 Sep/21	Sep/20 Sep/28 Oct/08	Sep/29 Oct/12 Oct/24	138 160 187	119 140 165	100 120 142	52 45 36
HERSHEY 5 SSE	36 32 28	Apr/30 Apr/24 Apr/12	May/12 May/06 Apr/25	May/25 May/19 May/09	Sep/11 Sep/16 Sep/26	Sep/23 Oct/02 Oct/12	Oct/06 Oct/17 Oct/28	149 169 189	133 148 169	118 126 149	52 46 38
HOLDREGE	36 32 28	Apr/26 Apr/12 Apr/01	May/07 Apr/27 Apr/13	May/18 May/12 Apr/25	Sep/16 Sep/20 Oct/05	Sep/30 Oct/07 Oct/20	Oct/13 Oct/24 Nov/04	162 187 208	145 162 189	128 138 170	48 41 33
IMPERIAL MUNICIPAL AP	36 32 28	Apr/30 Apr/21 Apr/11	May/10 May/03 Apr/22	May/20 May/15 May/04	Sep/14 Sep/21 Oct/03	Sep/26 Oct/04 Oct/15	Oct/08 Oct/18 Oct/27	154 172 188	138 154 175	122 136 162	50 43 34
KEARNEY 4 NE	36 32 28	Apr/26 Apr/16 Apr/07	May/11 May/01 Apr/20	May/25 May/15 May/04	Sep/14 Sep/19 Sep/29	Sep/26 Oct/02 Oct/15	Oct/07 Oct/16 Oct/31	157 173 199	138 154 177	118 134 155	50 44 36
KIMBALL 2 N	36 32 28	May/05 Apr/29 Apr/18	May/23 May/09 May/01	Jun/11 May/19 May/13	Sep/10 Sep/13 Sep/21	Sep/18 Sep/25 Oct/05	Sep/27 Oct/06 Oct/19	135 155 177	117 138 157	99 122 136	57 50 41
KINGSLEY DAM	36 32 28	Apr/23 Apr/14 Apr/03	May/06 Apr/29 May/19	May/19 May/13 May/05	Sep/14 Sep/22 Oct/04	Sep/29 Oct/09 Oct/19	Oct/13 Oct/25 Nov/03	162 185 203	145 162 182	127 140 161	48 40 32
LINCOLN AP	36 32 28	Apr/23 Apr/13 Apr/02	May/04 Apr/27 Apr/16	May/15 May/12 Apr/29	Sep/14 Sep/21 Oct/02	Sep/28 Oct/06 Oct/18	Oct/11 Oct/21 Nov/03	164 179 202	146 161 184	128 144 167	46 39 33
LODGEPOLE	36 32 28	May/07 Apr/26 Apr/18	May/20 May/07 Apr/29	Jun/02 May/18 May/11	Sep/10 Sep/13 Sep/21	Sep/20 Sep/26 Oct/07	Sep/30 Oct/10 Oct/23	138 161 181	122 142 160	107 123 139	53 46 38
LOUP CITY	36 32 28	Apr/28 Apr/19 Apr/11	May/14 May/02 Apr/25	May/30 May/16 May/09	Sep/12 Sep/15 Sep/24	Sep/25 Sep/28 Oct/09	Oct/07 Oct/12 Oct/24	155 167 189	133 148 166	111 129 143	51 45 38
MADISON 2 W	36 32 28	Apr/26 Apr/16 Apr/08	May/11 May/02 Apr/25	May/26 May/17 May/11	Sep/10 Sep/11 Sep/23	Sep/22 Sep/27 Oct/07	Oct/04 Oct/12 Oct/22	155 171 186	134 147 165	112 124 144	50 44 37
MADRID	36 32 28	Apr/29 Apr/24 Apr/14	May/12 May/05 Apr/26	May/24 May/16 May/07	Sep/12 Sep/16 Sep/30	Sep/23 Oct/01 Oct/13	Oct/03 Oct/16 Oct/27	148 168 184	133 148 170	118 128 156	51 45 37
MCCOOK	36 32 28	Apr/28 Apr/15 Apr/05	May/09 Apr/28 Apr/19	May/20 May/12 May/02	Sep/14 Sep/22 Oct/02	Sep/27 Oct/07 Oct/16	Oct/10 Oct/22 Oct/31	156 181 198	140 161 180	125 141 162	50 43 35



MEAD 6 S	36 32 28	Apr/20 Apr/16 Mar/31	May/04 Apr/30 Apr/17	May/19 May/13 May/04	Sep/15 Sep/19 Sep/28	Sep/26 Oct/05 Oct/12	Oct/07 Oct/20 Oct/27	163 178 200	144 158 178	124 137 156	47 41 33
MEDICINE CREEK DAM	36 32 28	Apr/29 Apr/20 Apr/05	May/12 May/03 Apr/20	May/25 May/15 May/06	Sep/14 Sep/16 Sep/28	Sep/24 Sep/29 Oct/12	Oct/04 Oct/13 Oct/26	148 165 191	134 149 174	120 133 157	51 45 38
MERRIMAN	36 32 28	May/02 Apr/25 Apr/19	May/22 May/10 May/02	Jun/11 May/25 May/15	Sep/06 Sep/09 Sep/18	Sep/17 Sep/24 Oct/04	Sep/29 Oct/08 Oct/20	141 159 177	118 136 154	94 113 132	53 46 38
MINDEN	36 32 28	Apr/25 Apr/16 Apr/07	May/06 Apr/30 Apr/19	May/18 May/14 May/01	Sep/16 Sep/18 Oct/02	Sep/28 Oct/03 Oct/16	Oct/09 Oct/18 Oct/30	159 175 196	143 155 180	128 136 163	47 40 32
MULLEN 21 NW	36 32 28	May/07 May/01 Apr/19	May/29 May/14 May/03	Jun/21 May/27 May/18	Aug/28 Sep/05 Sep/16	Sep/12 Sep/22 Oct/01	Sep/27 Oct/09 Oct/15	133 152 169	105 130 149	77 108 129	56 49 41
NEBRASKA CITY	36 32 28	Apr/17 Apr/08 Mar/25	Apr/30 Apr/22 Apr/07	May/13 May/05 Apr/19	Sep/15 Sep/27 Oct/10	Oct/01 Oct/14 Oct/27	Oct/17 Oct/30 Nov/13	174 193 223	153 175 203	132 156 182	44 38 30
NEWPORT	36 32 28	Apr/27 Apr/19 Apr/10	May/10 May/01 Apr/24	May/23 May/13 May/07	Sep/11 Sep/13 Sep/26	Sep/22 Oct/01 Oct/11	Oct/04 Oct/18 Oct/27	151 174 192	135 152 170	119 130 148	49 43 35
NIOBRARA	36 32 28	Apr/22 Apr/19 Apr/05	May/10 May/02 Apr/20	May/27 May/16 May/05	Sep/13 Sep/14 Sep/23	Sep/25 Oct/01 Oct/11	Oct/07 Oct/19 Oct/28	160 173 193	138 151 173	116 129 153	48 41 34
NORFOLK AP	36 32 28	Apr/21 Apr/13 Apr/01	May/06 Apr/27 Apr/17	May/21 May/12 May/02	Sep/14 Sep/19 Sep/27	Sep/25 Oct/03 Oct/12	Oct/06 Oct/18 Oct/28	161 177 198	141 159 178	122 140 158	47 42 34
NORTH LOUP ORD	36 32 28	Apr/28 Apr/20 Apr/09	May/12 May/01 Apr/23	May/26 May/12 May/07	Sep/13 Sep/15 Sep/23	Sep/24 Sep/30 Oct/10	Oct/06 Oct/14 Oct/27	155 168 188	135 151 169	115 134 150	49 43 35
NORTH PLATTE RGNL AP	36 32 28	May/02 Apr/25 Apr/17	May/18 May/09 May/01	Jun/02 May/23 May/15	Sep/09 Sep/12 Sep/17	Sep/20 Sep/24 Oct/04	Oct/01 Oct/05 Oct/20	143 155 176	125 137 155	106 119 134	54 48 41
NORTH PLATTE EXP FARM	36 32 28	May/02 Apr/23 Apr/12	May/13 May/05 Apr/24	May/24 May/17 May/07	Sep/14 Sep/16 Sep/24	Sep/25 Oct/01 Oct/11	Oct/06 Oct/17 Oct/27	151 166 188	134 148 169	118 131 149	51 45 37
OAKDALE	36 32 28	May/03 Apr/18 Apr/11	May/18 May/03 Apr/26	Jun/03 May/18 May/10	Sep/09 Sep/14 Sep/20	Sep/20 Sep/27 Oct/07	Oct/01 Oct/10 Oct/23	144 166 183	124 146 163	104 126 143	51 45 38
OCONTO	36 32 28	Apr/29 Apr/23 Apr/12	May/17 May/06 Apr/27	Jun/04 May/19 May/13	Sep/11 Sep/15 Sep/21	Sep/22 Sep/29 Oct/06	Oct/03 Oct/14 Oct/22	146 166 181	127 146 161	108 126 141	50 44 37
OGALLALA	36 32 28	May/01 Apr/23 Apr/15	May/12 May/06 Apr/26	May/22 May/18 May/07	Sep/10 Sep/13 Sep/22	Sep/23 Sep/30 Oct/09	Oct/05 Oct/16 Oct/25	152 168 184	133 146 165	115 124 146	53 47 39
OMAHA EPPLEY AP	36 32 28	Apr/19 Apr/12 Mar/30	May/02 Apr/25 Apr/12	May/16 May/09 Apr/25	Sep/14 Sep/23 Oct/03	Sep/27 Oct/07 Oct/20	Oct/10 Oct/22 Nov/05	166 185 212	147 164 190	129 143 168	44 38 31
OMAHA 9 NW	36 32 28	Apr/15 Apr/07 Mar/27	Apr/28 Apr/21 Apr/08	May/11 May/04 Apr/20	Sep/20 Sep/26 Oct/11	Oct/04 Oct/12 Oct/26	Oct/18 Oct/29 Nov/10	178 194 217	159 174 200	140 154 184	42 36 29
O NEILL	36 32 28	Apr/27 Apr/20 Apr/08	May/12 May/03 Apr/23	May/27 May/15 May/08	Sep/12 Sep/14 Sep/23	Sep/23 Sep/28 Oct/09	Oct/04 Oct/12 Oct/25	153 169 186	133 147 168	114 126 151	50 44 37
OSCEOLA	36 32 28	Apr/23 Apr/13 Apr/01	May/05 Apr/27 Apr/16	May/17 May/12 Apr/30	Sep/12 Sep/21 Sep/28	Sep/25 Oct/05 Oct/14	Oct/08 Oct/20 Oct/30	161 180 202	142 160 180	124 141 158	46 40 32

OSHKOSH	36 32 28	May/04 Apr/26 Apr/17	May/20 May/10 May/01	Jun/04 May/23 May/14	Sep/08 Sep/13 Sep/19	Sep/19 Sep/24 Oct/03	Oct/01 Oct/05 Oct/17	140 156 172	122 137 154	104 117 136	55 49 42
OSMOND	36 32 28	Apr/26 Apr/19 Apr/09	May/11 Apr/30 Apr/23	May/25 May/12 May/07	Sep/09 Sep/13 Sep/23	Sep/20 Sep/30 Oct/08	Oct/02 Oct/17 Oct/24	149 171 185	132 152 168	115 133 150	49 43 35
PAWNEE CITY	36 32 28	Apr/14 Apr/03 Mar/22	Apr/29 Apr/19 Apr/07	May/15 May/05 Apr/22	Sep/18 Sep/21 Oct/02	Oct/01 Oct/09 Oct/21	Oct/13 Oct/27 Nov/09	171 190 223	154 173 197	136 155 171	41 34 26
PURDUM	36 32 28	May/04 Apr/27 Apr/19	May/22 May/11 May/01	Jun/08 May/25 May/13	Sep/07 Sep/12 Sep/20	Sep/19 Sep/25 Oct/04	Oct/01 Oct/07 Oct/19	144 156 175	119 136 156	95 116 136	53 47 39
RAGAN	36 32 28	Apr/24 Apr/15 Apr/05	May/07 Apr/30 Apr/16	May/20 May/14 Apr/27	Sep/14 Sep/20 Oct/02	Sep/28 Oct/09 Oct/18	Oct/11 Oct/27 Nov/03	161 184 205	143 161 185	125 138 164	48 42 34
RAVENNA	36 32 28	Apr/26 Apr/22 Apr/12	May/14 May/04 Apr/27	Jun/01 May/15 May/12	Sep/10 Sep/14 Sep/22	Sep/22 Sep/27 Oct/06	Oct/04 Oct/10 Oct/21	151 164 181	130 146 162	109 128 142	50 44 36
RED CLOUD	36 32 28	Apr/26 Apr/17 Apr/04	May/11 May/02 Apr/18	May/27 May/16 May/01	Sep/11 Sep/14 Sep/25	Sep/22 Sep/29 Oct/09	Oct/03 Oct/13 Oct/22	152 168 189	133 149 173	115 131 157	50 44 37
RED WILLOW DAM	36 32 28	May/01 Apr/22 Apr/10	May/14 May/04 Apr/25	May/28 May/17 May/10	Sep/11 Sep/16 Sep/28	Sep/22 Sep/29 Oct/11	Oct/04 Oct/11 Oct/24	146 164 184	130 146 168	114 129 153	53 47 40
ROSE 10 WNW	36 32 28	Apr/30 Apr/25 Apr/12	May/19 May/06 Apr/25	Jun/06 May/18 May/09	Sep/07 Sep/13 Sep/17	Sep/19 Sep/25 Oct/04	Oct/01 Oct/08 Oct/21	146 160 182	123 141 161	100 123 140	54 48 41
RUSHVILLE	36 32 28	May/05 Apr/30 Apr/18	May/23 May/11 May/01	Jun/11 May/22 May/15	Sep/07 Sep/11 Sep/17	Sep/19 Sep/24 Oct/03	Oct/01 Oct/06 Oct/20	143 153 178	118 135 154	92 117 130	58 51 44
SAINT PAUL 4 N	36 32 28	Apr/23 Apr/14 Apr/01	May/05 Apr/28 Apr/15	May/16 May/12 Apr/28	Sep/13 Sep/16 Sep/29	Sep/26 Oct/03 Oct/15	Oct/09 Oct/21 Oct/31	162 179 202	144 158 183	125 136 163	47 41 34
SCOTTSBLUFF AP	36 32 28	May/02 Apr/18 Apr/12	May/17 May/03 Apr/27	May/31 May/19 May/12	Sep/11 Sep/14 Sep/23	Sep/21 Sep/27 Oct/08	Oct/01 Oct/10 Oct/22	144 170 185	127 146 163	109 122 141	54 47 39
SEWARD	36 32 28	Apr/18 Apr/05 Mar/31	May/01 Apr/21 Apr/13	May/14 May/08 Apr/26	Sep/18 Sep/27 Oct/05	Oct/01 Oct/11 Oct/21	Oct/14 Oct/26 Nov/05	171 192 208	152 172 190	133 153 172	43 36 29
SIDNEY 6 NNW	36 32 28	May/12 May/01 Apr/25	May/30 May/14 May/05	Jun/16 May/27 May/16	Aug/30 Sep/12 Sep/16	Sep/15 Sep/24 Oct/02	Oct/01 Oct/06 Oct/17	134 151 168	108 132 148	81 113 129	57 51 42
SPRINGVIEW	36 32 28	Apr/29 Apr/20 Apr/12	May/12 May/03 Apr/25	May/25 May/16 May/07	Sep/12 Sep/15 Sep/23	Sep/23 Oct/02 Oct/10	Oct/03 Oct/19 Oct/27	150 173 189	133 151 168	115 129 147	50 45 37
STANTON	36 32 28	Apr/24 Apr/16 Apr/07	May/09 May/01 Apr/22	May/25 May/17 May/08	Sep/12 Sep/17 Sep/27	Sep/23 Oct/01 Oct/12	Oct/05 Oct/15 Oct/27	156 173 192	136 152 172	116 131 152	47 41 34
SUPERIOR	36 32 28	Apr/19 Apr/10 Mar/28	May/03 Apr/23 Apr/09	May/17 May/06 Apr/22	Sep/15 Sep/23 Oct/05	Sep/27 Oct/09 Oct/20	Oct/10 Oct/24 Nov/04	166 189 212	147 168 193	128 147 174	43 37 29
SYRACUSE	36 32 28	Apr/19 Apr/12 Mar/30	May/03 Apr/26 Apr/15	May/16 May/10 Apr/30	Sep/13 Sep/19 Sep/27	Sep/25 Oct/03 Oct/13	Oct/08 Oct/18 Oct/29	163 176 201	145 159 180	127 143 160	46 40 33
TECUMSEH	36 32 28	Apr/22 Apr/14 Apr/05	May/06 Apr/28 Apr/17	May/20 May/12 Apr/29	Sep/15 Sep/20 Sep/27	Sep/26 Oct/06 Oct/12	Oct/08 Oct/22 Oct/28	162 179 196	143 161 178	124 142 159	45 39 32

TEKAMAH	36 32 28	Apr15 Apr09 Mar29	May01 Apr23 Apr11	May17 May07 Apr23	Sep16 Sep22 Oct01	Sep28 Oct08 Oct17	Oct10 Oct24 Nov02	170 187 210	149 168 188	128 149 167	46 40 32
TRENTON DAM	36 32 28	Apr29 Apr19 Apr09	May10 May03 Apr20	May21 May16 Apr30	Sep13 Sep22 Oct02	Sep26 Oct07 Oct16	Oct08 Oct21 Oct31	154 173 194	138 156 179	121 139 163	51 44 36
TRYON	36 32 28	May05 Apr28 Apr21	May19 May10 May03	Jun02 May21 May16	Sep06 Sep14 Sep18	Sep19 Sep26 Oct03	Oct02 Oct07 Oct17	138 156 170	122 138 151	107 121 133	56 49 42
VALENTINE LKS GAME REF	36 32 28	Apr28 Apr25 Apr14	May17 May07 Apr26	Jun04 May20 May09	Sep10 Sep18 Sep21	Sep19 Sep29 Oct08	Sep28 Oct10 Oct25	146 160 182	125 144 164	104 128 146	50 43 35
VALENTINE MILLER AP	36 32 28	May05 Apr27 Apr18	May23 May10 May02	Jun10 May24 May15	Sep04 Sep12 Sep19	Sep16 Sep25 Oct04	Sep29 Oct07 Oct19	138 154 176	116 137 154	94 119 132	54 48 41
WAHOO	36 32 28	Apr21 Apr13 Apr01	May05 Apr26 Apr16	May18 May09 Apr30	Sep13 Sep17 Sep26	Sep26 Oct04 Oct12	Oct08 Oct22 Oct28	163 182 197	143 160 179	124 139 160	46 40 33
WAKEFIELD	36 32 28	Apr22 Apr19 Apr09	May07 May01 Apr25	May23 May11 May11	Sep12 Sep14 Sep23	Sep22 Sep28 Oct08	Oct02 Oct12 Oct23	158 166 185	137 149 165	117 132 146	48 42 35
WALLACE 2 W	36 32 28	May02 Apr28 Apr17	May17 May09 Apr30	Jun02 May20 May13	Sep10 Sep13 Sep19	Sep21 Sep26 Oct04	Oct01 Oct09 Oct19	143 159 174	126 139 156	108 119 138	54 48 40
WALTHILL	36 32 28	Apr24 Apr16 Apr10	May13 May02 Apr25	Jun01 May19 May10	Sep08 Sep19 Sep21	Sep19 Sep28 Oct08	Oct01 Oct07 Oct24	152 166 190	128 148 165	104 130 140	48 42 35
WEeping WATER	36 32 28	Apr20 Apr12 Apr04	May05 Apr27 Apr18	May20 May12 May01	Sep13 Sep20 Oct02	Sep25 Oct05 Oct16	Oct07 Oct20 Oct31	163 182 199	143 160 181	122 139 163	45 39 32
WEST POINT	36 32 28	Apr20 Apr15 Apr04	May07 Apr28 Apr21	May24 May11 May07	Sep12 Sep16 Sep28	Sep24 Oct02 Oct12	Oct06 Oct18 Oct27	163 175 194	140 156 174	117 137 154	48 42 35

Notes:

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

Freeze / Frost Occurrence Data

All probabilities in whole percent. See notes for probability level description.  
- Indicates the probability of occurrence of threshold temperatureis less than indicated probability.

State And Station Name	Thresh old (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			Prob o b a b i l i t y  (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
New Hampshire											
BENTON 5 SW	36 32 28	May22 May05 Apr25	Jun06 May19 May05	Jun21 Jun03 May16	Aug30 Sep07 Sep23	Sep11 Sep21 Oct03	Sep23 Oct06 Oct14	118 144 166	97 124 150	76 104 135	55 47 38
BERLIN	36 32 28	May17 May08 Apr22	Jun03 May20 May03	Jun19 Jun01 May14	Aug28 Sep09 Sep24	Sep09 Sep24 Oct05	Sep21 Oct08 Oct16	118 143 171	97 126 154	77 110 138	58 49 40
COLEBROOK	36 32 28	Jun02 May21 May08	Jun26 Jun09 May22	Jul20 Jun27 Jun06	Aug10 Aug20 Sep16	Aug28 Sep07 Sep28	Sep14 Sep26 Oct11	99 121 149	62 90 129	25 59 108	60 53 44
CONCORD MUNICIPAL AP	36 32 28	May21 May03 Apr24	Jun03 May20 May05	Jun15 Jun06 May15	Aug22 Sep08 Sep21	Sep09 Sep21 Oct03	Sep26 Oct05 Oct14	122 146 167	97 124 150	72 102 134	54 47 38
DURHAM	36 32 28	May13 Apr30 Apr17	May29 May13 May01	Jun14 May27 May15	Aug31 Sep10 Sep25	Sep14 Sep24 Oct09	Sep29 Oct08 Oct23	129 152 181	108 133 160	86 113 139	51 43 35
EPHING	36 32 28	May13 May04 Apr17	May30 May16 May02	Jun15 May28 May18	Aug31 Sep11 Sep24	Sep13 Sep23 Oct07	Sep27 Oct05 Oct19	127 144 176	106 129 157	85 114 137	51 44 35
FIRST CONN LAKE	36 32 28	Jun02 May16 May08	Jun25 Jun04 May22	Jul18 Jun22 Jun05	Aug10 Aug27 Sep11	Aug29 Sep09 Sep26	Sep17 Sep22 Oct11	101 120 143	64 97 126	27 73 109	63 57 48
GRAFTON	36 32 28	Jun02 May19 Apr30	Jun25 Jun06 May19	Jul18 Jun24 Jun07	Aug13 Aug24 Sep08	Aug29 Sep08 Sep23	Sep15 Sep23 Oct07	98 118 151	65 93 126	32 68 102	60 54 44
HANOVER	36 32 28	May10 Apr28 Apr18	May25 May11 Apr30	Jun10 May25 May12	Sep08 Sep21 Sep23	Sep21 Oct04 Oct12	Oct04 Oct17 Oct31	138 164 188	118 145 165	98 125 141	52 44 36
KEENE	36 32 28	May10 Apr29 Apr19	May27 May13 May02	Jun13 May27 May14	Aug31 Sep13 Sep25	Sep13 Sep26 Oct07	Sep27 Oct09 Oct19	128 152 175	108 136 157	89 119 140	53 46 37
LAKEPORT 2	36 32 28	May02 Apr21 Apr08	May23 May08 Apr23	Jun14 May24 May07	Sep10 Sep20 Sep29	Sep26 Oct04 Oct18	Oct11 Oct19 Nov05	155 172 203	125 149 177	94 126 151	53 45 37
LANCASTER	36 32 28	May26 May16 May03	Jun15 May31 May14	Jul05 Jun16 May26	Aug20 Sep01 Sep16	Sep05 Sep17 Sep28	Sep21 Oct03 Oct11	109 132 155	82 108 136	54 84 118	59 52 43
MASSABESIC LAKE	36 32 28	May09 Apr28 Apr12	May24 May11 Apr29	Jun09 May24 May16	Sep03 Sep09 Sep27	Sep18 Sep26 Oct13	Oct02 Oct13 Oct28	138 161 191	115 137 166	93 114 140	53 46 38
MILFORD	36 32 28	May09 Apr26 Apr18	May25 May14 Apr30	Jun11 May31 May12	Aug28 Sep19 Sep27	Sep14 Sep30 Oct09	Sep30 Oct11 Oct21	138 160 181	110 139 161	83 117 141	52 44 35

MOUNT SUNAPEE	36	May/05	May/23	Jun/09	Sep/06	Sep/21	Oct/06	144	120	96	51
	32 28	Apr/22 Apr/14	May/08 Apr/27	May/23 May/09	Sep/18 Sep/26	Sep/30 Oct/1	Oct/13 Oct/26	167 187	145 167	123 146	43 35
MOUNT WASHINGTON	36	Jul/01	Jul/17	Aug/02	Aug/01	Aug/10	Aug/20	44	23	2	74
	32 28	Jun/13 Jun/02	Jul/04 Jun/16	Jul/24 Jun/30	Aug/08 Aug/23	Aug/24 Sep/05	Sep/09 Sep/18	77 103	51 81	24 58	66 60
NASHUA 2 NNW	36	May/04	May/20	Jun/06	Sep/05	Sep/19	Oct/03	144	121	98	51
	32 28	Apr/25 Apr/12	May/07 Apr/26	May/20 May/10	Sep/22 Sep/29	Oct/03 Oct/13	Oct/14 Oct/27	166 189	148 169	130 149	44 36
NORTH STRATFORD	36	May/29	Jun/12	Jun/26	Aug/22	Sep/05	Sep/19	103	85	66	59
	32 28	May/11 Apr/29	May/28 May/13	Jun/13 May/27	Sep/02 Sep/21	Sep/15 Oct/05	Sep/29 Oct/20	133 167	110 144	87 122	52 43
PINKHAM NOTCH	36	May/17	Jun/08	Jun/30	Aug/20	Sep/05	Sep/22	120	88	56	60
	32 28	May/08 Apr/23	May/22 May/08	Jun/05 May/23	Sep/07 Sep/19	Sep/22 Oct/02	Oct/08 Oct/14	143 168	123 146	102 125	53 44
PLYMOUTH	36	May/19	Jun/09	Jun/29	Aug/27	Sep/07	Sep/19	113	90	66	60
	32 28	May/09 Apr/30	May/26 May/13	Jun/12 May/27	Sep/03 Sep/15	Sep/16 Oct/01	Sep/30 Oct/17	135 161	113 140	90 119	53 44

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(percent of days with temperatures at or below the threshold temperature)

Freeze / Frost Occurrence Data

All probabilities in whole percent. See notes for probability level description.  
- Indicates the probability of occurrence of threshold temperatureis less than indicated probability.

State And Station Name	Thresh old (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			Prob ability level (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
New Jersey											
ATLANTIC CITY AP	36 32 28	Apr24 Apr09 Mar24	May06 Apr24 Apr12	May18 May10 May01	Sep24 Oct04 Oct17	Oct07 Oct19 Oct30	Oct20 Nov03 Nov13	171 202 227	154 177 201	137 151 175	37 30 22
ATLANTIC CITY MARINA	36 32 28	Apr01 Mar13 Mar05	Apr12 Mar31 Mar21	Apr23 Apr18 Apr05	Oct15 Oct23 Oct29	Nov02 Nov11 Nov21	Nov20 Dec01 Dec14	228 255 274	203 225 245	179 195 216	26 19 12
BELLEPLAIN ST FOREST	36 32 28	Apr30 Apr19 Apr06	May13 May01 Apr19	May25 May12 May02	Sep22 Oct02 Oct14	Oct02 Oct15 Oct27	Oct12 Oct27 Nov09	158 184 212	141 166 191	125 149 169	38 31 22
CANOE BROOK	36 32 28	Apr29 Apr17 Mar29	May12 Apr30 Apr14	May25 May13 Apr29	Sep21 Oct01 Oct11	Oct03 Oct15 Oct26	Oct15 Oct29 Nov09	162 189 219	143 168 194	125 146 170	44 36 27
CAPE MAY 2 NW	36 32 28	Apr05 Mar25 Mar10	Apr20 Apr06 Mar24	May04 Apr19 Apr06	Oct11 Oct22 Nov10	Oct26 Nov06 Nov23	Nov10 Nov20 Dec06	209 232 258	189 212 243	169 193 228	29 21 14
CHARLOTTEBURG RESERVOIR	36 32 28	May07 Apr22 Apr07	May19 May05 Apr19	May30 May18 May01	Sep09 Sep19 Oct05	Sep23 Oct03 Oct19	Oct06 Oct18 Nov02	142 169 202	126 151 183	111 132 163	49 41 31
CRANFORD	36 32 28	May01 Apr14 Mar30	May14 Apr30 Apr15	May26 May17 May02	Sep21 Oct02 Oct14	Oct05 Oct16 Oct28	Oct19 Oct29 Nov10	163 192 219	144 168 195	124 143 170	41 32 23
ESSEX FIELDS SERV BLDG	36 32 28	Apr25 Apr08 Mar28	May08 Apr23 Apr12	May22 May07 Apr28	Sep17 Sep29 Oct17	Oct02 Oct16 Oct31	Oct17 Nov02 Nov15	167 200 227	146 176 201	125 151 176	43 35 26
FLEMINGTON 5 NNW	36 32 28	Apr27 Apr15 Mar31	May12 Apr30 Apr15	May27 May15 Apr30	Sep19 Sep30 Oct11	Oct02 Oct13 Oct27	Oct15 Oct26 Nov12	162 185 219	142 165 194	123 145 169	44 37 28
FREEHOLD MARLBORO	36 32 28	Apr25 Apr12 Mar30	May05 Apr22 Apr14	May15 May03 Apr29	Sep23 Oct07 Oct19	Oct09 Oct22 Nov03	Oct26 Nov06 Nov18	175 200 220	156 182 203	138 164 185	39 31 22
GLASSBORO 2 NE	36 32 28	Apr10 Mar29 Mar14	Apr22 Apr11 Mar25	May04 Apr24 Apr05	Oct06 Oct14 Oct31	Oct19 Oct28 Nov14	Oct31 Nov11 Nov28	199 219 250	179 199 233	159 179 217	34 27 18
HIGH POINT PARK	36 32 28	Apr26 Apr15 Apr10	May15 May05 Apr23	Jun04 May25 May06	Sep15 Sep24 Oct05	Sep27 Oct11 Oct20	Oct09 Oct27 Nov03	157 178 203	134 158 179	111 138 155	49 42 34
HIGHTSTOWN 2 W	36 32 28	Apr29 Apr13 Mar30	May09 Apr24 Apr11	May20 May06 Apr23	Sep21 Oct02 Oct14	Oct05 Oct15 Oct29	Oct18 Oct28 Nov12	166 193 221	148 173 200	129 153 179	39 31 22
INDIAN MILLS 2 W	36 32 28	May01 Apr23 Apr08	May14 May05 Apr20	May27 May17 May02	Sep14 Sep27 Oct09	Sep26 Oct08 Oct23	Oct08 Oct19 Nov07	151 174 206	134 156 186	117 137 165	40 32 24

LAMBERTVILLE	36 32 28	Apr/26 Apr/14 Mar/28	May/08 Apr/26 Apr/12	May/21 May/08 Apr/28	Sep/24 Sep/28 Oct/10	Oct/06 Oct/14 Oct/25	Oct/18 Oct/30 Nov/09	166 193 216	150 170 195	133 148 174	41 33 24
LITTLE FALLS	36 32 28	Apr/21 Apr/07 Mar/27	May/03 Apr/18 Apr/06	May/15 Apr/29 Apr/16	Sep/26 Oct/06 Oct/21	Oct/09 Oct/20 Nov/04	Oct/22 Nov/02 Nov/18	177 202 228	159 184 212	140 167 196	40 32 23
LONG BRANCH OAKHURST	36 32 28	Apr/14 Mar/31 Mar/15	Apr/29 Apr/16 Apr/01	May/14 May/02 Apr/18	Oct/02 Oct/12 Oct/23	Oct/18 Oct/27 Nov/08	Nov/03 Nov/10 Nov/24	198 219 247	171 193 221	145 167 194	35 27 19
LONG VALLEY	36 32 28	Apr/30 Apr/20 Apr/06	May/17 May/05 Apr/19	Jun/03 May/20 May/01	Sep/14 Sep/22 Oct/05	Sep/26 Oct/07 Oct/20	Oct/08 Oct/21 Nov/05	153 172 210	131 154 184	109 136 158	48 40 31
MILLVILLE MUNICIPAL AP	36 32 28	Apr/19 Apr/09 Mar/22	May/02 Apr/21 Apr/04	May/15 May/04 Apr/18	Sep/30 Oct/10 Oct/21	Oct/13 Oct/25 Nov/05	Oct/25 Nov/09 Nov/19	181 208 235	163 186 213	144 163 192	35 28 20
MOORESTOWN	36 32 28	Apr/21 Apr/07 Mar/24	May/05 Apr/23 Apr/10	May/20 May/08 Apr/27	Sep/24 Oct/06 Oct/15	Oct/08 Oct/20 Oct/31	Oct/22 Nov/03 Nov/15	178 204 229	155 180 203	132 155 178	37 29 21
NEWARK INTL AP	36 32 28	Apr/04 Mar/23 Mar/11	Apr/14 Apr/03 Mar/24	Apr/24 Apr/15 Apr/07	Oct/13 Oct/22 Nov/11	Oct/27 Nov/07 Nov/24	Nov/10 Nov/23 Dec/06	212 240 263	195 217 244	179 194 225	31 22 16
NEW BRUNSWICK 3 SE	36 32 28	Apr/22 Apr/08 Mar/23	May/04 Apr/20 Apr/04	May/16 May/01 Apr/17	Sep/25 Oct/07 Oct/19	Oct/08 Oct/20 Nov/03	Oct/22 Nov/01 Nov/18	173 200 232	157 182 212	140 164 191	39 31 23
NEWTON ST PAULS ABBEY	36 32 28	May/04 Apr/25 Apr/12	May/18 May/06 Apr/24	Jun/02 May/18 May/06	Sep/06 Sep/20 Oct/02	Sep/19 Oct/02 Oct/15	Oct/02 Oct/14 Oct/29	143 166 192	123 148 174	103 131 155	49 42 33
PEMBERTON	36 32 28	May/01 Apr/18 Mar/31	May/13 May/03 Apr/18	May/24 May/19 May/05	Sep/17 Sep/28 Oct/09	Sep/29 Oct/12 Oct/25	Oct/12 Oct/25 Nov/10	156 182 216	139 161 189	122 139 163	39 32 24
PLAINFIELD	36 32 28	Apr/22 Apr/06 Mar/23	May/04 Apr/20 Apr/05	May/16 May/04 Apr/17	Sep/23 Oct/04 Oct/15	Oct/06 Oct/20 Oct/28	Oct/20 Nov/05 Nov/11	170 207 228	154 182 206	139 158 184	38 30 21
SANDY HOOK	36 32 28	Apr/09 Mar/29 Mar/16	Apr/20 Apr/12 Apr/03	May/02 Apr/26 Apr/21	Oct/03 Oct/07 Oct/22	Oct/23 Oct/30 Nov/19	Nov/12 Nov/23 Dec/16	212 234 266	185 201 229	157 168 192	33 25 17
SEABROOK FARMS	36 32 28	Apr/11 Mar/31 Mar/16	Apr/24 Apr/11 Mar/30	May/06 Apr/23 Apr/12	Sep/28 Oct/14 Oct/27	Oct/13 Oct/28 Nov/11	Oct/29 Nov/12 Nov/26	194 220 250	172 199 226	150 178 201	35 27 19
SOMERVILLE 4 NW	36 32 28	Apr/30 Apr/14 Mar/31	May/11 Apr/28 Apr/12	May/21 May/12 Apr/24	Sep/22 Oct/01 Oct/19	Oct/03 Oct/15 Oct/30	Oct/14 Oct/29 Nov/10	160 189 220	145 169 200	129 149 181	44 36 27
SUSSEX 2 NE	36 32 28	May/06 Apr/27 Apr/10	May/21 May/09 Apr/23	Jun/05 May/21 May/05	Sep/11 Sep/18 Oct/01	Sep/22 Oct/03 Oct/16	Oct/03 Oct/17 Oct/31	141 162 197	123 146 176	105 129 155	50 42 34
TOMS RIVER	36 32 28	Apr/25 Apr/14 Apr/02	May/08 Apr/25 Apr/15	May/21 May/07 Apr/27	Sep/24 Oct/05 Oct/16	Oct/06 Oct/18 Oct/31	Oct/19 Oct/30 Nov/15	170 194 217	150 174 199	131 155 181	41 33 24
WANAQUE RAYMOND DAM	36 32 28	Apr/23 Apr/06 Mar/29	May/05 Apr/21 Apr/09	May/16 May/07 Apr/20	Sep/23 Oct/05 Oct/16	Oct/07 Oct/19 Oct/30	Oct/22 Nov/02 Nov/13	174 199 223	155 180 204	135 160 185	43 35 26
WOODSTOWN PITTS GROV 4E	36 32 28	Apr/23 Apr/09 Mar/24	May/05 Apr/22 Apr/05	May/17 May/04 Apr/17	Sep/27 Oct/07 Oct/18	Oct/12 Oct/22 Nov/05	Oct/26 Nov/06 Nov/23	177 205 239	159 183 213	141 160 188	36 28 20

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(percent of days with temperatures at or below the threshold temperature)



Freeze / Frost Occurrence Data

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

State And Station Name	Thresh hold (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			Prob o b a b i l i t y  (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
New Mexico											
ABIQUIU DAM	36 32 28	Apr29 Apr11 Mar28	May15 Apr30 Apr17	May31 May20 May07	Sep24 Sep30 Oct06	Oct08 Oct14 Oct23	Oct21 Oct29 Nov09	167 190 215	145 166 188	122 142 161	50 43 34
ALAMOGORDO	36 32 28	Mar28 Mar13 Feb19	Apr14 Mar29 Mar15	May01 Apr14 Apr09	Oct12 Oct24 Oct30	Oct26 Nov06 Nov15	Nov09 Nov18 Nov30	214 241 274	194 221 243	174 201 213	27 20 12
ALBUQUERQUE INTL AP	36 32 28	Apr11 Mar30 Mar18	Apr28 Apr16 Apr05	May16 May03 Apr23	Oct08 Oct13 Oct22	Oct21 Oct28 Nov06	Nov02 Nov11 Nov21	198 220 242	174 194 215	151 168 187	39 31 21
ALEMAN RANCH	36 32 28	Apr20 Apr09 Mar24	May05 Apr21 Apr11	May21 May04 Apr28	Oct07 Oct12 Oct18	Oct18 Oct26 Nov01	Oct29 Nov08 Nov15	180 206 223	165 187 204	151 168 184	40 32 24
AMSTAD 5 SSW	36 32 28	Apr27 Apr18 Apr03	May07 Apr29 Apr18	May17 May11 May02	Sep22 Sep28 Oct11	Oct03 Oct11 Oct24	Oct14 Oct23 Nov06	164 183 208	149 164 188	133 145 169	45 38 30
ANIMAS 3 ESE	36 32 28	Apr20 Apr08 Mar22	May06 Apr24 Apr12	May23 May10 May02	Oct08 Oct13 Oct20	Oct20 Oct27 Nov04	Nov02 Nov11 Nov19	183 206 227	166 186 206	150 165 185	37 28 19
ARTESIA 6 S	36 32 28	Apr17 Apr05 Mar20	Apr29 Apr17 Apr02	May10 Apr28 Apr16	Sep29 Oct09 Oct20	Oct14 Oct23 Nov03	Oct29 Nov06 Nov17	188 206 232	168 189 214	148 172 196	40 33 25
AUGUSTINE 2 E	36 32 28	May30 May18 May02	Jun18 Jun04 May20	Jul06 Jun22 Jun07	Aug28 Sep15 Sep20	Sep15 Sep27 Oct02	Oct04 Oct09 Oct14	118 137 159	89 114 134	60 90 109	62 54 46
AZTEC RUINS NATL MNMNT	36 32 28	May14 Apr29 Apr13	Jun02 May21 May07	Jun22 Jun11 May30	Sep09 Sep14 Sep27	Sep23 Sep30 Oct14	Oct08 Oct17 Nov01	138 164 192	112 132 160	87 100 128	54 46 36
BEAVERHEAD R S	36 32 28	Jun04 May23 May09	Jun23 Jun08 May26	Jul12 Jun23 Jun13	Sep01 Sep14 Sep26	Sep16 Sep26 Oct07	Oct01 Oct07 Oct18	108 127 154	84 109 133	59 91 111	67 59 50
BELL RANCH	36 32 28	Apr23 Apr11 Mar27	May05 Apr25 Apr11	May16 May09 Apr27	Sep28 Oct04 Oct16	Oct09 Oct17 Oct29	Oct19 Oct31 Nov11	174 191 220	156 175 200	138 159 180	45 39 31
BINGHAM 2 NE	36 32 28	Apr28 Apr16 Apr02	May12 May02 Apr17	May27 May17 May03	Sep28 Oct07 Oct10	Oct10 Oct21 Oct25	Oct23 Nov04 Nov10	167 192 209	150 172 190	133 151 171	46 38 29
BITTER LAKES W/L REFUGE	36 32 28	Apr21 Apr05 Mar31	May05 Apr22 Apr12	May19 May09 Apr25	Sep25 Oct03 Oct13	Oct07 Oct18 Oct27	Oct20 Nov01 Nov10	175 200 213	155 178 197	135 157 180	42 36 28
BOSQUE DEL APACHE	36 32 28	Apr30 Apr16 Apr02	May13 May02 Apr18	May27 May18 May03	Sep25 Oct03 Oct08	Oct06 Oct15 Oct22	Oct18 Oct26 Nov06	163 186 208	145 165 187	128 144 166	47 39 31

CARLSBAD	36 32 28	Apr01 Mar17 Feb24	Apr14 Apr03 Mar16	Apr27 Apr20 Apr05		Oct12 Oct19 Oct29	Oct25 Nov03 Nov15	Nov07 Nov18 Dec02	213 238 271	193 214 243	173 190 216	30 22 14
CARLSBAD AP	36 32 28	Mar27 Mar14 Feb27	Apr10 Mar31 Mar17	Apr24 Apr17 Apr04		Oct14 Oct20 Oct31	Oct27 Nov02 Nov15	Nov09 Nov16 Nov29	217 238 266	199 215 242	182 193 217	28 21 13
CARLSBAD CAVERNS	36 32 28	Mar24 Mar1 Feb24	Apr08 Mar31 Mar17	Apr23 Apr21 Apr07		Oct08 Oct23 Nov01	Oct25 Nov09 Nov20	Nov11 Nov25 Dec08	222 248 277	199 222 247	176 196 216	21 14 9
CARRIZOZO 1 SW	36 32 28	Apr28 Apr16 Apr01	May11 Apr29 Apr16	May24 May12 May01		Sep28 Oct04 Oct13	Oct10 Oct18 Oct27	Oct23 Nov01 Nov10	168 190 215	152 171 193	135 152 172	43 35 26
CERRO	36 32 28	May31 May17 May06	Jun13 May31 May21	Jun26 Jun14 Jun05		Sep01 Sep10 Sep21	Sep14 Sep22 Oct02	Sep26 Oct04 Oct13	111 132 154	92 113 133	74 95 113	64 56 48
CHACO CANYON NATL MON	36 32 28	May30 May12 Apr25	Jun14 Jun02 May15	Jun28 Jun23 Jun04		Sep05 Sep13 Sep18	Sep17 Sep26 Oct01	Sep28 Oct08 Oct14	111 137 164	94 115 138	78 92 113	59 51 43
CHAMA	36 32 28	Jun19 Jun10 May26	Jul04 Jun24 Jun10	Jul19 Jul09 Jun26		Aug10 Aug25 Sep10	Aug29 Sep11 Sep22	Sep17 Sep28 Oct04	79 101 123	56 78 103	32 55 84	73 65 56
CIMARRON 4 SW	36 32 28	May14 Apr29 Apr19	May27 May14 May02	Jun10 May28 May15		Sep13 Sep19 Sep26	Sep23 Sep30 Oct09	Oct02 Oct10 Oct21	136 158 177	118 138 159	99 118 141	56 48 39
CLIFF 11 SE	36 32 28	May09 Apr23 Apr10	May24 May09 Apr26	Jun09 May26 May12		Sep27 Oct04 Oct09	Oct09 Oct19 Oct24	Oct20 Nov02 Nov09	156 182 203	137 162 181	117 142 158	50 41 32
CLINES CORNERS 7 SE	36 32 28	May12 May01 Apr18	May28 May16 May04	Jun13 May31 May21		Sep19 Sep22 Oct02	Sep27 Oct04 Oct14	Oct06 Oct16 Oct26	140 160 184	122 140 162	103 120 140	53 45 35
CLOVIS	36 32 28	Apr17 Apr01 Mar19	Apr30 Apr16 Apr02	May13 Apr30 Apr16		Sep24 Oct13 Oct19	Oct10 Oct27 Nov04	Oct26 Nov10 Nov21	183 212 238	162 194 215	142 175 193	38 30 21
CLOVIS 13 N	36 32 28	Apr20 Apr07 Mar22	May02 Apr23 Apr07	May15 May08 Apr23		Sep22 Oct05 Oct10	Oct09 Oct19 Oct30	Oct25 Nov02 Nov19	181 200 232	159 179 205	136 159 178	40 32 23
COLUMBUS	36 32 28	Apr01 Mar14 Feb23	Apr15 Apr01 Mar18	Apr30 Apr20 Apr10		Oct15 Oct20 Oct29	Oct28 Nov06 Nov14	Nov10 Nov22 Dec01	217 244 272	195 218 241	174 191 209	28 19 12
CONCHAS DAM	36 32 28	Apr07 Mar29 Mar12	Apr23 Apr10 Mar28	May08 Apr22 Apr13		Oct02 Oct17 Oct28	Oct18 Oct29 Nov08	Nov03 Nov10 Nov20	199 217 244	178 201 224	156 186 205	36 29 20
CROSSROADS 2	36 32 28	Apr18 Apr05 Mar23	May02 Apr17 Apr06	May15 Apr29 Apr19		Sep27 Oct06 Oct17	Oct09 Oct22 Nov03	Oct21 Nov07 Nov20	177 208 231	159 187 210	142 166 190	39 31 23
CUBA	36 32 28	Jun11 Jun02 May17	Jun28 Jun16 Jun02	Jul15 Jun30 Jun19		Aug22 Aug31 Sep16	Sep07 Sep16 Sep27	Sep24 Oct02 Oct08	99 114 137	71 91 116	42 69 95	68 60 52
DILIA	36 32 28	Apr28 Apr12 Mar28	May11 Apr29 Apr16	May25 May17 May04		Sep25 Sep30 Oct06	Oct04 Oct13 Oct22	Oct14 Oct27 Nov07	166 185 209	145 166 189	125 148 168	45 37 28
DULCE	36 32 28	Jun18 Jun08 May14	Jul05 Jun25 Jun03	Jul21 Jul12 Jun22		Aug12 Aug29 Sep11	Sep02 Sep14 Sep23	Sep22 Oct01 Oct05	85 108 134	58 81 112	32 54 89	71 63 52
EAGLE NEST	36 32 28	Jun27 Jun09 May21	Jul14 Jun26 Jun08	Jul31 Jul13 Jun26		Aug02 Aug15 Sep04	Aug20 Sep03 Sep16	Sep06 Sep21 Sep29	59 94 121	36 68 100	13 42 78	76 67 58

EL MORRO NATL MONUMENT	36 32 28	Jun08 May20 May06	Jun19 Jun06 May22	Jun30 Jun22 Jun06	Aug29 Sep14 Sep21	Sep15 Sep25 Oct02	Oct02 Oct06 Oct14	108 128 154	87 110 133	67 93 113	63 55 45
EL RITO	36 32 28	May15 May02 Apr14	Jun03 May25 May06	Jun23 Jun17 May29	Sep11 Sep20 Sep30	Sep25 Oct05 Oct16	Oct10 Oct19 Nov01	138 161 194	113 132 162	88 103 130	55 46 37
EL VADO DAM	36 32 28	Jun13 Jun01 May11	Jun30 Jun15 May30	Jul17 Jun28 Jun17	Aug19 Sep05 Sep13	Sep04 Sep18 Sep24	Sep20 Oct01 Oct05	89 113 140	65 95 117	41 76 94	68 60 51
ELEPHANT BUTTE DAM	36 32 28	Mar23 Mar08 Feb19	Apr08 Mar27 Mar11	Apr25 Apr14 Mar31	Oct17 Oct26 Nov06	Nov01 Nov09 Nov21	Nov16 Nov23 Dec07	227 251 283	206 227 254	185 202 226	29 21 11
ELIDA	36 32 28	Apr21 Apr08 Mar26	May04 Apr24 Apr09	May18 May09 Apr24	Sep19 Sep30 Oct13	Oct06 Oct19 Oct30	Oct24 Nov06 Nov16	177 200 225	154 177 203	132 154 180	38 31 22
ELK 2 E	36 32 28	May04 Apr23 Apr08	May16 May05 Apr22	May28 May16 May06	Sep19 Sep29 Oct06	Oct01 Oct12 Oct22	Oct13 Oct26 Nov06	156 177 202	137 160 182	119 143 162	49 41 32
ESTANCIA 7 NE	36 32 28	May16 May03 Apr20	Jun01 May19 May07	Jun16 Jun24 May24	Sep14 Sep20 Sep27	Sep24 Oct01 Oct09	Oct04 Oct12 Oct22	132 156 176	114 134 154	97 113 132	56 48 39
FAYWOOD	36 32 28	Apr22 Apr05 Mar19	May08 Apr20 Apr06	May25 May04 Apr24	Oct03 Oct10 Oct21	Oct18 Oct26 Nov04	Nov03 Nov11 Nov18	181 209 233	163 189 211	144 168 189	39 30 19
FENCE LAKE	36 32 28	Jun02 May23 May02	Jun16 Jun06 May21	Jun29 Jun20 Jun09	Sep05 Sep16 Sep26	Sep18 Sep27 Oct08	Oct01 Oct08 Oct21	111 128 163	93 112 139	75 96 116	62 54 44
FORT BAYARD	36 32 28	Apr25 Apr10 Mar30	May13 Apr26 Apr15	May31 May12 May02	Oct02 Oct11 Oct20	Oct17 Oct26 Nov03	Nov01 Nov10 Nov17	178 202 222	157 182 201	135 162 180	42 32 21
FRUITLAND 3 E	36 32 28	May09 Apr26 Apr10	May30 May13 May01	Jun20 May31 May21	Sep06 Sep18 Sep26	Sep23 Oct01 Oct13	Oct10 Oct15 Oct30	146 165 191	115 140 164	84 116 137	52 44 35
GAGE 4 ESE	36 32 28	Apr15 Apr01 Mar16	May01 Apr18 Apr04	May18 May05 Apr23	Oct09 Oct14 Oct23	Oct22 Oct28 Nov07	Nov04 Nov11 Nov21	190 213 238	173 192 216	155 171 194	39 29 20
GASCON	36 32 28	Jun03 May21 May10	Jun16 Jun05 May25	Jun28 Jun20 Jun09	Aug16 Sep05 Sep16	Sep06 Sep20 Sep28	Sep27 Oct05 Oct11	108 130 146	82 106 126	56 82 106	66 56 47
GILA HOT SPRINGS	36 32 28	May25 May08 Apr22	Jun11 May23 May06	Jun27 Jun07 May21	Sep17 Sep25 Oct05	Sep26 Oct07 Oct19	Oct06 Oct19 Nov02	124 153 183	107 136 165	90 119 147	58 49 40
GRAN QUIVIRA NATL MON	36 32 28	May01 Apr23 Apr05	May13 May05 Apr23	May25 May17 May11	Sep21 Sep25 Oct04	Oct03 Oct08 Oct19	Oct14 Oct21 Nov03	162 176 200	142 155 178	122 134 157	47 39 29
GRANTS MILAN AP	36 32 28	May16 May01 Apr15	Jun03 May20 May05	Jun21 Jun09 May25	Sep09 Sep22 Sep27	Sep22 Oct02 Oct09	Oct05 Oct12 Oct22	135 159 183	110 134 157	85 109 131	58 50 41
HACHITA	36 32 28	Apr16 Apr04 Mar21	May05 Apr23 Apr08	May23 May11 Apr27	Oct09 Oct13 Oct22	Oct22 Oct28 Nov06	Nov04 Nov12 Nov21	187 210 231	169 188 211	152 165 191	37 28 19
HOBBS	36 32 28	Mar31 Mar19 Mar06	Apr12 Apr02 Mar24	Apr25 Apr16 Apr11	Oct07 Oct17 Nov01	Oct26 Nov06 Nov17	Nov14 Nov26 Dec02	214 242 262	196 217 237	178 192 212	27 19 12
JAL	36 32 28	Mar30 Mar15 Feb24	Apr14 Apr03 Mar20	Apr29 Apr23 Apr12	Oct12 Oct20 Oct25	Oct27 Nov04 Nov12	Nov12 Nov18 Nov30	216 236 272	196 214 237	175 191 202	27 20 13

JORNADA EXP RANGE	36 32 28	Apr/27 Apr/16 Mar/26	May/11 May/01 Apr/14	May/24 May/16 May/03		Oct/02 Oct/05 Oct/13	Oct/14 Oct/20 Oct/28	Oct/26 Nov/03 Nov/11	173 189 216	155 171 196	138 153 175	44 37 28
LAKE MALOYA	36 32 28	May/26 May/13 Apr/28	Jun/13 May/29 May/11	Jul/01 Jun/14 May/24		Aug/28 Sep/12 Sep/17	Sep/11 Sep/22 Sep/30	Sep/25 Oct/02 Oct/13	115 136 161	89 115 141	63 95 120	64 57 49
LAS VEGAS MUNICIPAL AP	36 32 28	May/07 Apr/27 Apr/19	May/21 May/10 May/02	Jun/04 May/23 May/15		Sep/18 Sep/24 Oct/04	Sep/28 Oct/05 Oct/17	Oct/07 Oct/16 Oct/30	149 168 184	129 147 167	109 126 149	51 43 34
LINDRITH 1 WSW	36 32 28	May/26 May/16 May/02	Jun/14 Jun/06 May/23	Jul/02 Jun/27 Jun/14		Sep/01 Sep/11 Sep/15	Sep/15 Sep/29 Oct/04	Sep/30 Oct/16 Oct/22	120 147 165	93 114 133	65 81 100	62 55 47
LORDSBURG 4 SE	36 32 28	Apr/26 Apr/08 Mar/27	May/10 Apr/27 Apr/16	May/23 May/15 May/05		Oct/05 Oct/11 Oct/17	Oct/18 Oct/25 Nov/01	Oct/31 Nov/08 Nov/16	176 201 222	161 181 198	145 160 175	42 33 24
LOS ALAMOS	36 32 28	May/09 Apr/24 Apr/13	May/23 May/11 Apr/29	Jun/05 May/28 May/14		Sep/16 Sep/24 Sep/28	Sep/28 Oct/08 Oct/16	Oct/10 Oct/23 Nov/04	145 171 195	128 149 170	111 128 145	52 44 35
LOS LUNAS 3 SSW	36 32 28	Apr/27 Apr/16 Mar/30	May/13 May/02 Apr/16	May/29 May/18 May/02		Sep/26 Oct/05 Oct/11	Oct/06 Oct/17 Oct/24	Oct/17 Oct/28 Nov/06	167 184 212	146 167 190	124 149 168	47 40 32
LUNA R S	36 32 28	Jun/19 Jun/11 May/30	Jul/03 Jun/24 Jun/13	Jul/17 Jul/06 Jun/26		Aug/15 Aug/24 Sep/14	Sep/01 Sep/12 Sep/25	Sep/18 Sep/30 Oct/07	82 102 122	60 79 104	37 57 85	72 65 56
LYBROOK	36 32 28	May/05 Apr/27 Apr/11	May/26 May/15 May/04	Jun/15 Jun/02 May/27		Sep/10 Sep/20 Oct/02	Sep/28 Oct/07 Oct/17	Oct/16 Oct/23 Nov/02	155 173 195	125 144 166	94 116 136	52 46 37
MALJAMAR 4 SE	36 32 28	Apr/18 Mar/31 Mar/19	Apr/28 Apr/15 Apr/02	May/08 Apr/30 Apr/16		Sep/28 Oct/08 Oct/13	Oct/17 Oct/26 Nov/02	Nov/05 Nov/13 Nov/21	191 213 236	171 193 213	151 174 190	35 27 18
MAXWELL 3 NW (RATON)	36 32 28	May/14 May/07 Apr/25	May/31 May/21 May/08	Jun/16 Jun/05 May/22		Sep/10 Sep/16 Sep/26	Sep/22 Sep/27 Oct/09	Oct/04 Oct/08 Oct/21	133 145 173	113 128 153	94 110 132	58 52 44
MCGAFFEY 5 SE	36 32 28	Jun/10 Jun/02 May/16	Jun/25 Jun/16 Jun/03	Jul/10 Jun/30 Jun/22		Aug/18 Sep/08 Sep/14	Sep/04 Sep/19 Sep/26	Sep/21 Sep/30 Oct/07	92 114 137	70 95 114	48 76 91	70 63 53
MOSQUERO 1 NE	36 32 28	May/02 Apr/23 Apr/11	May/15 May/05 Apr/23	May/29 May/16 May/05		Sep/21 Sep/25 Oct/05	Oct/02 Oct/08 Oct/19	Oct/14 Oct/21 Nov/03	159 176 196	139 156 179	119 135 162	47 40 32
NEWKIRK	36 32 28	Apr/24 Apr/13 Apr/01	May/07 Apr/28 Apr/13	May/19 May/12 Apr/25		Sep/22 Sep/30 Oct/14	Oct/07 Oct/17 Oct/29	Oct/21 Nov/02 Nov/12	174 195 218	152 171 198	131 147 178	40 32 24
OCATE 2 NW	36 32 28	May/30 May/14 May/01	Jun/17 Jun/01 May/18	Jul/05 Jun/19 Jun/04		Aug/28 Sep/13 Sep/20	Sep/12 Sep/22 Sep/29	Sep/26 Oct/02 Oct/08	109 132 153	86 113 133	63 93 113	62 54 45
OTIS	36 32 28	May/06 Apr/29 Apr/09	May/24 May/12 Apr/30	Jun/12 May/26 May/22		Sep/13 Sep/24 Oct/04	Oct/01 Oct/09 Oct/21	Oct/18 Oct/25 Nov/07	151 171 199	128 149 173	105 128 147	49 42 32
PECOS NATIONAL MONUMENT	36 32 28	May/15 May/06 Apr/24	May/30 May/22 May/09	Jun/14 Jun/08 May/23		Sep/07 Sep/18 Sep/27	Sep/20 Sep/29 Oct/09	Oct/02 Oct/09 Oct/20	131 149 172	112 129 152	94 108 133	57 49 40
PEDERNAL 9 E	36 32 28	May/13 May/01 Apr/21	May/24 May/14 May/06	Jun/03 May/27 May/21		Sep/19 Sep/24 Sep/30	Sep/28 Oct/04 Oct/13	Oct/08 Oct/15 Oct/26	140 162 177	127 142 159	113 123 141	53 46 36
PORTALES	36 32 28	Apr/20 Apr/05 Mar/25	May/03 Apr/18 Apr/07	May/15 May/02 Apr/20		Sep/27 Oct/05 Oct/16	Oct/09 Oct/20 Nov/01	Oct/22 Nov/05 Nov/17	178 204 223	159 184 207	140 164 191	39 31 23

QUEMADO	36 32 28	Jun05 May25 May11	Jun20 Jun11 May29	Jul06 Jun28 Jun16	Aug22 Sep09 Sep23	Sep10 Sep23 Oct02	Sep30 Oct07 Oct12	108 127 144	81 104 125	54 81 106	66 58 48
RAGLAND 3 SSW	36 32 28	Apr23 Apr10 Apr01	May05 Apr25 Apr17	May16 May11 May02	Sep26 Oct02 Oct17	Oct09 Oct17 Oct30	Oct22 Nov01 Nov12	177 194 215	156 174 196	135 155 176	42 34 25
RAMON 8 SW	36 32 28	Apr30 Apr18 Apr04	May13 May01 Apr20	May27 May14 May06	Sep20 Sep27 Oct02	Oct01 Oct11 Oct18	Oct12 Oct25 Nov03	159 184 204	140 162 180	121 140 156	45 36 27
RATON FILTER PLANT	36 32 28	May02 Apr25 Apr12	May20 May08 Apr27	Jun06 May21 May12	Sep15 Sep21 Sep26	Sep28 Oct05 Oct13	Oct10 Oct19 Oct30	156 167 189	130 149 168	105 131 148	51 43 34
RED RIVER	36 32 28	Jun23 Jun07 May24	Jul12 Jun23 Jun06	Jul31 Jul08 Jun19	Jul31 Aug16 Sep04	Aug16 Sep03 Sep18	Sep01 Sep22 Oct01	64 96 123	34 72 103	5 47 83	76 67 57
REDROCK 1 NNE	36 32 28	Apr26 Apr08 Mar24	May13 Apr29 Apr14	May30 May20 May05	Oct07 Oct10 Oct17	Oct18 Oct24 Nov02	Oct30 Nov06 Nov18	176 200 227	157 177 201	139 154 175	42 33 24
ROY	36 32 28	May03 Apr23 Apr05	May15 May05 Apr22	May27 May16 May08	Sep21 Sep28 Oct09	Oct03 Oct11 Oct21	Oct15 Oct24 Nov03	160 177 200	140 159 182	121 140 164	49 41 32
RUIDOSO	36 32 28	May19 May01 Apr25	Jun12 May28 May16	Jul06 Jun23 Jun06	Aug28 Sep09 Sep25	Sep16 Sep25 Oct06	Oct05 Oct12 Oct18	131 153 167	96 120 143	61 87 118	60 52 42
SAN JON	36 32 28	Apr19 Apr06 Mar23	May01 Apr21 Apr04	May14 May06 Apr17	Sep28 Oct07 Oct21	Oct10 Oct21 Nov02	Oct22 Nov04 Nov13	178 198 228	161 182 211	143 166 193	36 29 21
SANTA ROSA	36 32 28	Apr21 Apr01 Mar20	May04 Apr19 Apr06	May16 May07 Apr23	Sep26 Oct07 Oct16	Oct09 Oct22 Oct31	Oct23 Nov06 Nov15	180 210 232	158 186 207	136 162 183	38 30 21
SHIPROCK	36 32 28	Apr27 Apr14 Apr02	May23 May11 Apr26	Jun17 Jun07 May20	Sep07 Sep16 Sep26	Sep26 Oct02 Oct13	Oct15 Oct19 Oct29	163 176 200	125 143 169	88 111 137	52 45 36
SOCORRO	36 32 28	Apr27 Apr12 Mar27	May10 Apr27 Apr13	May23 May12 Apr30	Sep26 Oct07 Oct10	Oct08 Oct19 Oct26	Oct19 Oct30 Nov10	165 190 215	150 174 195	134 157 175	45 37 28
SPRINGER	36 32 28	May05 Apr30 Apr18	May26 May15 May03	Jun17 May30 May17	Sep14 Sep21 Sep29	Sep24 Sep30 Oct11	Oct04 Oct09 Oct23	144 156 182	120 137 160	96 118 138	55 49 41
STANLEY 1 NNE	36 32 28	May12 May02 Apr18	May27 May15 May05	Jun12 May28 May21	Sep14 Sep20 Sep24	Sep24 Oct01 Oct08	Oct05 Oct13 Oct21	139 158 177	119 138 155	100 119 133	56 49 40
STAR LAKE	36 32 28	May27 May20 May04	Jun11 Jun05 May20	Jun26 Jun20 Jun04	Sep05 Sep14 Sep21	Sep18 Sep25 Oct02	Oct01 Oct06 Oct13	118 130 154	98 112 135	79 94 116	61 54 45
TAOS	36 32 28	May20 May06 Apr26	Jun04 May21 May09	Jun19 Jun06 May21	Sep10 Sep17 Sep24	Sep20 Sep29 Oct07	Sep30 Oct11 Oct20	128 151 171	107 130 151	87 109 131	60 53 44
TATUM	36 32 28	Apr22 Apr08 Mar23	May04 Apr24 Apr09	May17 May10 Apr26	Sep22 Oct03 Oct14	Oct08 Oct20 Oct31	Oct23 Nov06 Nov18	176 201 227	156 179 205	136 156 183	41 33 25
TIERRA AMARILLA 4 N	36 32 28	Jun16 May31 May20	Jul03 Jun19 Jun05	Jul19 Jul08 Jun21	Aug17 Aug29 Sep10	Sep02 Sep13 Sep22	Sep18 Sep28 Oct04	85 112 128	61 85 109	36 58 90	72 64 55
TRES PIEDRAS	36 32 28	Jun07 May24 May11	Jun25 Jun11 May27	Jul14 Jun29 Jun13	Aug20 Sep04 Sep14	Sep05 Sep16 Sep27	Sep21 Sep28 Oct10	97 118 144	71 96 122	45 75 100	69 61 53

TRUTH OR CONSEQUENCES	36 32 28	Apr02 Mar18 Feb24	Apr19 Apr06 Mar21	May06 Apr24 Apr15	Oct11 Oct21 Oct31	Oct25 Nov03 Nov13	Nov07 Nov16 Nov27	210 234 264	188 210 236	167 186 209	33 25 16
TUCUMCARI 4 NE	36 32 28	Apr15 Apr04 Mar22	Apr30 Apr15 Apr03	May14 Apr27 Apr15	Sep28 Oct10 Oct21	Oct11 Oct25 Nov03	Oct24 Nov08 Nov16	182 206 231	164 191 213	146 177 195	36 29 21
TULAROSA	36 32 28	Apr07 Mar27 Mar05	Apr23 Apr10 Mar28	May10 Apr24 Apr19	Oct11 Oct16 Oct27	Oct23 Nov02 Nov10	Nov05 Nov19 Nov24	203 225 253	182 205 227	162 186 200	32 23 15
VALMORA	36 32 28	May13 May03 Apr21	May31 May17 May05	Jun18 Jun01 May19	Sep08 Sep18 Sep25	Sep21 Sep30 Oct08	Oct04 Oct11 Oct21	134 154 176	112 134 155	90 114 135	58 52 43
WHITE SANDS NATL MON	36 32 28	Apr28 Apr11 Apr01	May10 Apr26 Apr16	May23 May12 May01	Sep28 Oct06 Oct11	Oct10 Oct18 Oct27	Oct21 Oct30 Nov12	168 192 214	151 174 193	134 157 172	42 35 27
WHITE SIGNAL	36 32 28	Apr28 Apr18 Apr01	May18 May07 Apr18	Jun06 May25 May05	Sep28 Oct06 Oct13	Oct11 Oct20 Oct29	Oct24 Nov04 Nov13	169 189 217	146 166 193	122 143 168	47 38 27
WINSTON	36 32 28	May12 Apr28 Apr15	May27 May14 Apr30	Jun10 May30 May15	Sep17 Sep25 Oct04	Sep28 Oct06 Oct17	Oct09 Oct18 Oct29	141 164 189	124 145 169	106 126 149	55 46 37
WOLF CANYON	36 32 28	Jun25 Jun12 May28	Jul11 Jun26 Jun12	Jul27 Jul11 Jun28	Aug01 Aug16 Sep06	Aug21 Sep04 Sep19	Sep11 Sep23 Oct02	69 94 120	40 69 98	11 43 76	77 69 59
YESO 2 S	36 32 28	Apr25 Apr11 Mar31	May08 Apr27 Apr15	May20 May13 May01	Sep24 Oct02 Oct16	Oct05 Oct16 Oct31	Oct16 Oct29 Nov16	169 194 219	150 171 198	130 148 177	41 32 24
ZUNI	36 32 28	May25 May11 Apr30	Jun08 May25 May16	Jun21 Jun09 Jun02	Sep09 Sep20 Oct02	Sep23 Oct04 Oct15	Oct07 Oct19 Oct27	123 154 172	107 131 151	91 108 129	59 50 40

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 (Aug 1 - Jul 31).  
(percent of days with temperatures at or below the threshold temperature)

Freeze / Frost Occurrence Data

All probabilities in whole percent. See notes for probability level description.  
- Indicates the probability of occurrence of threshold temperatureis less than indicated probability.

State And Station Name	Thresh old (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			Prob abil ity  (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
Nevada		90	50	10	10	50	90	10	50	90	
AMARGOSA FARMS GAREY	36 32 28	Mar09 Feb13 Jan21	Apr12 Mar23 Mar05	May17 Apr29 Apr18	Oct06 Oct08 Oct12	Oct25 Oct31 Nov11	Nov13 Nov23 Dec11	237 262 305	195 221 250	153 181 195	30 21 13
ARTHUR 4 NW	36 32 28	Jun09 May21 May05	Jun27 Jun07 May26	Jul16 Jun24 Jun16	Aug13 Aug23 Sep10	Sep03 Sep11 Sep28	Sep23 Oct01 Oct15	98 120 153	67 96 124	35 72 96	63 54 43
AUSTIN	36 32 28	May30 May18 May08	Jun13 Jun02 May24	Jun26 Jun16 Jun09	Aug26 Sep08 Sep21	Sep14 Sep25 Oct10	Oct02 Oct13 Oct29	111 135 163	92 115 138	74 95 113	56 47 35
BATTLE MOUNTAIN 4 SE	36 32 28	May29 May15 Apr20	Jun18 Jun03 May12	Jul09 Jun21 Jun03	Aug13 Aug25 Sep07	Aug31 Sep12 Sep23	Sep18 Oct01 Oct09	104 128 162	73 101 133	42 73 105	60 50 39
BEOWAWE	36 32 28	Jun03 May15 May04	Jun21 May31 May22	Jul10 Jun17 Jun10	Aug18 Aug30 Sep07	Sep02 Sep15 Sep23	Sep17 Oct01 Oct08	96 129 146	71 106 122	47 83 98	61 51 41
BOULDER CITY	36 32 28	Feb08 - -	Mar10 Feb02 Jan08	Apr09 Mar24 Feb14	Nov04 Nov11 Dec05	Nov27 Dec13 Jan09	Dec20 - -	296 >365 >365	261 308 >365	227 249 305	7 3 1
CALIENTE	36 32 28	May02 Apr15 Mar30	May20 May05 Apr22	Jun08 May25 May15	Sep13 Sep26 Oct06	Sep27 Oct12 Oct22	Oct12 Oct27 Nov07	155 187 213	129 159 182	104 131 152	51 43 33
CARLIN NEWMONT MINE	36 32 28	May24 May12 Apr23	Jun08 May30 May13	Jun22 Jun18 Jun01	Sep02 Sep16 Sep26	Sep22 Oct02 Oct14	Oct12 Oct18 Nov02	129 146 182	105 124 154	82 102 126	53 45 34
CARSON CITY	36 32 28	May24 May07 Apr21	Jun15 May29 May09	Jul06 Jun19 May26	Aug21 Sep07 Sep19	Sep09 Sep27 Oct07	Sep28 Oct16 Oct25	120 151 178	86 120 151	52 90 124	54 43 33
CLOVER VALLEY	36 32 28	Jun05 May21 Apr30	Jun24 Jun07 May21	Jul14 Jun24 Jun10	Aug15 Aug29 Sep09	Sep03 Sep13 Sep24	Sep22 Sep28 Oct09	98 122 150	70 97 125	41 73 100	63 53 43
DEETH	36 32 28	Jun30 Jun15 May11	Jul16 Jul04 May31	Jul31 Jul23 Jun20	Jul31 Aug07 Aug18	Aug14 Aug22 Sep03	Aug27 Sep05 Sep19	49 74 119	28 48 94	8 21 70	73 63 52
DENIO	36 32 28	Jun04 May18 Apr29	Jun22 Jun07 May15	Jul09 Jun28 Jun01	Aug19 Aug31 Sep13	Sep03 Sep14 Sep30	Sep18 Sep29 Oct16	97 124 158	72 98 136	47 72 114	55 45 33
DESERT NATL WL RANGE	36 32 28	Mar28 Mar07 Feb13	Apr17 Mar29 Mar11	May07 Apr21 Apr07	Oct16 Oct23 Nov05	Oct28 Nov06 Nov18	Nov10 Nov19 Dec01	217 246 278	194 221 251	171 195 224	30 20 11
DUCKWATER	36 32 28	May28 May10 Apr30	Jun13 May29 May17	Jun29 Jun18 Jun04	Aug27 Sep12 Sep21	Sep14 Sep29 Oct08	Oct02 Oct15 Oct24	118 147 169	92 122 142	67 96 115	59 51 41

DUFURENA	36 32 28	Jun20 May30 May05	Jul05 Jun17 May27	Jul20 Jul05 Jun18	Aug04 Aug21 Sep02	Aug21 Sep03 Sep15	Sep06 Sep16 Sep28	67 95 136	46 77 110	25 59 85	68 57 45
DYER	36 32 28	May12 Apr23 Apr11	Jun02 May13 May01	Jun23 Jun02 May21	Sep05 Sep15 Sep27	Sep21 Sep30 Oct12	Oct07 Oct14 Oct28	139 169 190	110 139 163	82 110 137	54 45 35
ELKO	36 32 28	Jun07 May16 Apr30	Jun30 Jun09 May20	Jul23 Jul02 Jun09	Aug07 Aug25 Sep02	Aug28 Sep10 Sep22	Sep18 Sep26 Oct11	96 124 152	58 93 124	20 61 95	64 53 42
ELY	36 32 28	Jun12 Jun01 May17	Jun28 Jun18 Jun04	Jul15 Jul05 Jun21	Aug11 Aug22 Sep02	Aug27 Sep06 Sep18	Sep13 Sep21 Oct05	85 104 129	59 79 106	34 54 83	69 60 49
EMIGRANT PASS HWY STA	36 32 28	May22 May11 Apr21	Jun11 May28 May10	Jul01 Jun14 May29	Aug28 Sep10 Sep17	Sep18 Sep27 Oct10	Oct09 Oct15 Nov02	132 147 184	98 121 152	63 96 121	57 46 33
EUREKA	36 32 28	Jun03 May19 May06	Jun18 Jun04 May24	Jul03 Jun20 Jun10	Aug27 Sep05 Sep18	Sep12 Sep23 Oct05	Sep29 Oct11 Oct23	107 131 160	86 110 134	64 89 108	58 50 39
FALLON EXPERIMENT STN	36 32 28	May14 Apr29 Apr13	Jun04 May17 Apr29	Jun26 Jun04 May16	Aug30 Sep14 Sep23	Sep18 Sep30 Oct09	Oct06 Oct16 Oct25	132 161 189	105 135 162	77 110 135	53 42 33
GERLACH	36 32 28	May01 Apr14 Apr06	May22 May02 Apr21	Jun11 May20 May06	Sep15 Sep25 Oct02	Sep29 Oct08 Oct18	Oct13 Oct22 Nov02	158 183 203	130 159 179	102 134 155	49 39 29
GIBBS RANCH	36 32 28	Jun22 Jun10 May17	Jul08 Jun25 Jun08	Jul24 Jul11 Jun30	Jul31 Aug13 Aug25	Aug18 Aug31 Sep09	Sep04 Sep18 Sep24	63 88 121	40 66 93	17 44 64	72 62 52
GLENBROOK	36 32 28	May31 May18 Apr29	Jun21 Jun06 May19	Jul12 Jun25 Jun08	Aug21 Sep13 Sep24	Sep14 Oct05 Oct17	Oct08 Oct27 Nov08	119 149 184	85 120 150	50 92 116	58 47 32
GOLCONDA	36 32 28	May25 May09 Apr22	Jun14 May26 May10	Jul03 Jun11 May28	Aug21 Sep06 Sep18	Sep09 Sep21 Oct03	Sep28 Oct06 Oct19	116 140 170	86 117 145	57 95 120	55 45 33
GOLDFIELD	36 32 28	May10 Apr25 Mar31	May28 May15 Apr24	Jun15 Jun04 May18	Sep17 Sep27 Oct04	Oct06 Oct14 Oct22	Oct24 Oct31 Nov09	153 182 213	130 151 180	107 120 147	48 39 28
IMLAY	36 32 28	May11 May27 Apr11	May29 May14 Apr28	Jun16 May31 May15	Sep04 Sep15 Sep24	Sep19 Sep29 Oct09	Oct05 Oct13 Oct23	137 159 187	112 137 163	87 116 140	52 43 33
KINGS RIVER VALLEY	36 32 28	May31 May07 Apr24	Jun18 May31 May13	Jul05 Jun24 Jun01	Aug18 Aug28 Sep17	Sep05 Sep16 Oct01	Sep22 Oct06 Oct15	104 139 166	78 108 141	52 76 115	58 49 37
LAHONTAN DAM	36 32 28	Apr26 Apr07 Mar18	May21 May02 Apr13	Jun15 May27 May08	Sep13 Sep23 Oct10	Oct07 Oct15 Oct26	Oct31 Nov05 Nov10	174 199 229	138 165 196	102 132 162	44 34 24
LAS VEGAS AP	36 32 28	Feb10 Jan17 -	Mar07 Feb16 Jan19	Apr01 Mar19 Feb20	Nov04 Nov13 Nov21	Nov18 Nov27 Dec13	Dec02 Dec11 -	285 316 >365	255 281 328	225 250 281	14 7 2
LEONARD CREEK RANCH	36 32 28	May21 Apr30 Apr13	Jun04 May19 Apr30	Jun18 Jun07 May17	Sep05 Sep15 Sep26	Sep22 Oct01 Oct16	Oct10 Oct18 Nov05	134 159 197	110 135 168	85 110 139	49 39 28
LOVELOCK	36 32 28	May13 Apr27 Apr13	May29 May13 Apr29	Jun14 May28 May14	Sep04 Sep15 Sep25	Sep21 Sep30 Oct11	Oct08 Oct16 Oct27	136 165 188	114 140 165	92 115 142	52 42 32
LOVELOCK DERBY AP	36 32 28	May11 Apr25 Apr11	May30 May11 Apr29	Jun18 May28 May18	Aug31 Sep09 Sep22	Sep18 Sep27 Oct07	Oct06 Oct16 Oct22	135 162 185	110 138 160	86 115 135	53 45 35



LUND	36 32 28	Jun02 May17 May05	Jun18 Jun03 May20	Jul04 Jun19 Jun04	Aug23 Sep09 Sep16	Sep08 Sep22 Oct02	Sep24 Oct06 Oct18	105 132 157	82 111 135	59 90 112	62 54 43
MCDERMITT	36 32 28	Jun11 May24 May08	Jul04 Jun20 Jun03	Jul27 Jul18 Jun30	Aug03 Aug15 Aug28	Aug21 Sep06 Sep17	Sep07 Sep28 Oct07	81 116 139	47 77 105	12 38 70	65 55 43
MCGILL	36 32 28	May27 May14 Apr27	Jun11 Jun01 May14	Jun26 Jun19 May31	Aug29 Sep03 Sep22	Sep15 Sep24 Oct07	Oct01 Oct15 Oct22	120 147 171	95 115 145	70 82 119	59 50 39
MINA	36 32 28	Apr25 Apr11 Mar29	May15 Apr30 Apr17	Jun04 May19 May05	Sep16 Sep29 Oct11	Oct02 Oct15 Oct25	Oct17 Oct31 Nov07	167 190 213	139 167 190	110 144 168	44 34 24
MINDEN	36 32 28	Jun06 May23 Apr30	Jun25 Jun12 May18	Jul13 Jul02 Jun05	Aug12 Aug31 Sep07	Aug30 Sep17 Sep27	Sep16 Oct05 Oct16	88 118 159	65 96 131	42 74 102	63 53 42
MONTEELLO 2 SE	36 32 28	Jun04 May18 May02	Jun23 Jun09 May22	Jul13 Jul01 Jun11	Aug14 Aug24 Sep02	Aug29 Sep08 Sep19	Sep14 Sep23 Oct07	93 120 144	66 90 119	39 60 95	66 58 48
OROVADA 3 W	36 32 28	Jun04 May15 Apr19	Jun22 May31 May07	Jul11 Jul16 May24	Aug18 Sep03 Sep10	Sep05 Sep18 Sep29	Sep22 Oct03 Oct17	102 131 171	73 110 144	45 89 118	56 45 34
PAHRANAGAT W L REFUGE	36 32 28	Apr12 Mar17 Feb22	May05 Apr11 Mar21	May27 May06 Apr17	Oct07 Oct12 Oct22	Oct21 Oct28 Nov06	Nov05 Nov13 Nov21	194 229 263	169 200 229	143 170 195	37 27 17
PAHRUMP	36 32 28	Apr01 Mar11 Feb10	Apr22 Apr03 Mar08	May12 Apr25 Apr02	Oct05 Oct15 Oct27	Oct21 Oct31 Nov11	Nov06 Nov16 Nov25	209 241 278	181 211 247	153 180 217	32 23 15
PARADISE VALLEY 1 NW	36 32 28	Jun17 May30 May06	Jul05 Jun16 May26	Jul24 Jul03 Jun15	Aug10 Aug24 Sep01	Aug27 Sep09 Sep19	Sep13 Sep25 Oct07	78 106 140	52 84 115	26 62 89	64 54 41
PIOCHE	36 32 28	May09 Apr24 Apr08	May29 May16 Apr28	Jun18 Jun06 May18	Sep15 Sep27 Oct03	Oct03 Oct14 Oct23	Oct20 Oct30 Nov12	154 178 208	126 150 178	98 122 147	47 39 29
RENO CANNON INTL AP	36 32 28	May18 Apr29 Apr10	Jun10 May21 Apr30	Jul04 Jun13 May20	Aug23 Sep09 Sep22	Sep16 Oct03 Oct15	Oct10 Oct27 Nov07	140 172 203	97 134 167	54 96 132	54 44 32
RUBY LAKE	36 32 28	May29 May18 Apr25	Jun12 Jun04 May15	Jun27 Jun21 Jun04	Aug24 Sep01 Sep18	Sep07 Sep17 Oct02	Sep21 Oct03 Oct16	108 130 166	86 104 140	64 79 113	60 50 39
RUTH	36 32 28	Jun19 Jun04 May22	Jul08 Jun22 Jun09	Jul27 Jul10 Jun26	Aug06 Aug19 Sep02	Aug22 Sep01 Sep14	Sep06 Sep14 Sep27	73 93 121	44 70 97	14 47 73	75 66 57
RYE PATCH DAM	36 32 28	May27 May13 Apr24	Jun20 Jun02 May11	Jul13 Jun23 May27	Aug16 Sep02 Sep12	Sep02 Sep19 Sep28	Sep18 Oct06 Oct15	103 136 162	73 108 140	43 80 117	58 49 38
SEARCHLIGHT	36 32 28	Mar12 Feb17 Dec25	Apr06 Mar19 Feb04	May01 Apr18 Mar13	Oct20 Nov02 Nov15	Nov07 Nov20 Dec09	Nov25 Dec07 Jan08	246 281 >365	214 245 304	182 209 264	16 8 3
SILVERPEAK	36 32 28	Apr22 Apr08 Mar17	May09 Apr26 Apr08	May26 May13 Apr29	Sep15 Sep29 Oct05	Oct03 Oct14 Oct23	Oct20 Oct30 Nov10	172 196 232	146 171 198	120 146 163	46 38 29
SMOKEY VALLEY	36 32 28	May21 May08 Apr20	Jun09 May26 May10	Jun28 Jun14 May29	Sep02 Sep11 Sep17	Sep17 Sep26 Oct04	Oct02 Oct11 Oct20	126 148 174	99 122 146	72 96 118	56 47 38
SNOWBALL RANCH	36 32 28	Jun19 Jun05 May18	Jul01 Jun20 Jun03	Jul14 Jul06 Jun19	Aug13 Aug25 Sep08	Aug29 Sep11 Sep26	Sep13 Sep28 Oct13	79 103 138	58 82 114	37 61 89	67 59 47

SUNNYSIDE	36 32 28	May17 Apr30 Apr18	Jun07 May24 May08	Jun28 Jun16 May27	Sep02 Sep08 Sep17	Sep16 Sep22 Oct03	Sep29 Oct06 Oct19	125 151 175	100 121 148	74 90 121	58 50 39
SUTCLIFFE	36 32 28	Apr17 Mar25 Feb19	May13 Apr22 Mar31	Jun07 May20 May09	Sep10 Sep23 Sep29	Oct10 Oct25 Nov03	Nov09 Nov26 Dec08	199 236 280	150 185 217	100 133 153	40 29 19
TONOPAH AP	36 32 28	May09 Apr23 Apr08	May28 May13 Apr30	Jun17 Jun02 May21	Sep15 Sep25 Oct02	Oct02 Oct11 Oct20	Oct19 Oct28 Nov07	153 176 206	126 151 173	99 126 140	51 43 33
TUSCARORA	36 32 28	Jun08 May26 May12	Jun30 Jun16 May28	Jul22 Jul06 Jun14	Aug12 Aug22 Sep08	Aug29 Sep11 Sep25	Sep15 Sep30 Oct11	91 119 142	59 86 119	27 54 95	64 54 42
VIRGINIA CITY	36 32 28	May20 May03 Apr10	Jun04 May22 May05	Jun20 Jun10 May30	Sep03 Sep18 Oct05	Sep27 Oct11 Oct25	Oct21 Nov03 Nov13	141 173 209	114 141 172	87 109 134	47 38 27
WELLS	36 32 28	Jun13 May31 May13	Jul01 Jun18 May31	Jul19 Jul06 Jun18	Aug05 Aug14 Aug30	Aug24 Sep03 Sep17	Sep12 Sep23 Oct05	82 107 134	53 76 108	24 46 82	67 58 46
WINNEMUCCA MUNICIPAL AP	36 32 28	Jun06 May19 Apr25	Jun24 Jun09 May19	Jul12 Jun29 Jun12	Aug13 Aug29 Sep05	Aug31 Sep14 Sep23	Sep18 Sep29 Oct10	96 124 158	67 96 126	38 69 93	60 50 39
YERINGTON	36 32 28	May07 Apr25 Apr06	May28 May13 Apr28	Jun19 May31 May21	Sep10 Sep19 Sep30	Sep25 Oct05 Oct17	Oct10 Oct22 Nov04	147 175 204	119 144 171	90 113 138	51 42 32

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 (Aug 1 - Jul 31).  
(percent of days with temperatures at or below the threshold temperature)

Freeze / Frost Occurrence Data

All probabilities in whole percent. See notes for probability level description.  
- Indicates the probability of occurrence of threshold temperatureis less than indicated probability.

State And Station Name	Thresh old (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			Prob o b a b i l i t y L e v e l (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
New York											
ADDISON	36 32 28	May07 Apr30 Apr17	May31 May18 May02	Jun24 Jun04 May17	Sep04 Sep16 Sep30	Sep18 Sep30 Oct16	Oct03 Oct15 Nov01	140 157 185	110 135 166	79 113 147	53 46 37
ALBANY INTL AP	36 32 28	May01 Apr19 Apr07	May17 May02 Apr19	Jun01 May15 May01	Sep11 Sep23 Oct02	Sep22 Oct03 Oct18	Oct04 Oct13 Nov03	145 168 201	128 153 181	112 139 161	47 40 31
ALBION 2 NE	36 32 28	May02 Apr22 Apr08	May17 May02 Apr20	Jun02 May11 May01	Sep20 Sep27 Oct14	Oct01 Oct12 Oct29	Oct13 Oct26 Nov14	155 181 214	136 163 192	117 144 170	45 37 28
ALCOVE DAM	36 32 28	May08 Apr25 Apr16	May27 May12 Apr28	Jun14 May28 May11	Aug29 Sep10 Sep27	Sep16 Sep27 Oct11	Oct03 Oct14 Oct25	139 165 183	111 137 165	83 109 147	52 45 36
ALFRED	36 32 28	May21 May08 Apr26	Jun05 May23 May10	Jun20 Jun07 May25	Aug19 Sep07 Sep16	Sep08 Sep21 Oct03	Sep28 Oct05 Oct20	120 142 168	94 121 145	69 99 122	54 46 38
ALLEGANY STATE PARK	36 32 28	May17 May06 Apr21	Jun03 May25 May08	Jun21 Jun13 May26	Aug28 Sep09 Sep29	Sep14 Sep24 Oct14	Oct01 Oct09 Oct28	126 145 180	102 122 158	77 99 135	55 48 37
ANGELICA	36 32 28	May24 May10 Apr28	Jun09 May28 May12	Jun26 Jun14 May26	Aug21 Sep10 Sep18	Sep08 Sep22 Oct06	Sep25 Oct04 Oct24	113 138 170	89 117 146	66 96 123	54 47 37
AUBURN	36 32 28	May08 Apr26 Apr11	May22 May10 Apr26	Jun04 May25 May10	Sep13 Sep21 Oct07	Sep27 Oct07 Oct23	Oct10 Oct24 Nov08	148 175 202	127 150 180	107 124 158	48 41 31
AURORA RESEARCH FARM	36 32 28	Apr30 Apr22 Apr08	May17 May02 Apr20	Jun02 May12 May01	Sep18 Sep28 Oct09	Oct01 Oct15 Oct28	Oct15 Oct31 Nov16	161 184 219	137 165 190	113 146 162	46 38 30
AVON	36 32 28	May03 Apr23 Apr12	May18 May04 Apr22	Jun01 May15 May02	Sep20 Sep27 Oct10	Sep30 Oct10 Oct25	Oct10 Oct22 Nov10	152 173 204	135 158 186	117 143 167	48 40 31
BATAVIA	36 32 28	May01 Apr21 Apr10	May17 May04 Apr19	Jun02 May17 Apr28	Sep14 Sep25 Oct11	Sep26 Oct10 Oct26	Oct08 Oct25 Nov09	151 178 208	132 159 189	112 139 171	46 38 30
BATH	36 32 28	May15 May04 Apr19	May31 May17 May02	Jun15 May30 May16	Sep01 Sep11 Sep20	Sep16 Sep27 Oct08	Sep30 Oct12 Oct25	126 152 179	107 132 157	88 111 136	54 46 36
BIG MOOSE 3 SE	36 32 28	May24 May18 Apr25	Jun13 May30 May12	Jul03 Jun11 May29	Aug09 Aug30 Sep15	Aug29 Sep16 Sep25	Sep18 Oct03 Oct05	109 131 159	76 108 135	43 85 112	63 57 46
BINGHAMTON BROOME CO AP	36 32 28	Apr28 Apr20 Apr09	May17 May01 Apr19	Jun04 May12 Apr29	Sep14 Sep24 Oct02	Sep28 Oct09 Oct21	Oct12 Oct24 Nov08	156 177 206	133 160 184	111 143 162	47 39 31

BOONVILLE 2 SSW	36 32 28	May/09 Apr/28 Apr/17	May/30 May/15 Apr/28	Jun/21 Jun/01 May/08	Sep/09 Sep/19 Sep/23	Sep/20 Oct/02 Oct/09	Sep/30 Oct/14 Oct/24	136 162 183	112 139 163	87 116 143	53 46 38
BRIDGEHAMPTON	36 32 28	Apr/23 Apr/11 Mar/25	May/07 Apr/25 Apr/07	May/21 May/09 Apr/21	Sep/29 Oct/04 Oct/19	Oct/11 Oct/19 Nov/03	Oct/23 Nov/03 Nov/19	175 201 231	156 176 210	137 152 188	38 29 21
BUFFALO NIAGARA INTL	36 32 28	Apr/26 Apr/12 Apr/03	May/09 Apr/24 Apr/14	May/22 May/06 Apr/24	Sep/22 Oct/05 Oct/19	Oct/05 Oct/19 Nov/02	Oct/18 Nov/02 Nov/16	167 196 221	148 177 202	129 158 182	44 35 27
CAMDEN 2 NW	36 32 28	May/18 May/05 Apr/22	Jun/06 May/25 May/08	Jun/24 Jun/14 May/23	Aug/25 Sep/05 Sep/20	Sep/10 Sep/25 Oct/08	Sep/25 Oct/15 Oct/26	123 155 180	95 122 153	67 90 125	54 46 37
CANANDAIGUA 3 S	36 32 28	Apr/30 Apr/17 Apr/05	May/12 Apr/29 Apr/17	May/24 May/11 Apr/28	Sep/24 Oct/02 Oct/19	Oct/07 Oct/17 Nov/02	Oct/21 Nov/01 Nov/16	163 191 220	148 170 198	132 149 177	44 36 28
CANTON 4 SE	36 32 28	May/14 May/04 Apr/18	Jun/03 May/20 May/01	Jun/22 Jun/05 May/14	Aug/22 Sep/08 Sep/21	Sep/07 Sep/22 Oct/03	Sep/24 Oct/06 Oct/16	121 145 173	96 124 155	72 103 136	53 46 38
CHAZY	36 32 28	May/09 Apr/28 Apr/14	May/25 May/13 Apr/26	Jun/10 May/29 May/08	Sep/03 Sep/14 Sep/25	Sep/15 Sep/28 Oct/06	Sep/27 Oct/11 Oct/17	133 155 180	112 137 163	90 119 145	51 44 36
CHERRY VALLEY 2 NNE	36 32 28	May/08 Apr/29 Apr/14	May/25 May/13 Apr/28	Jun/11 May/26 May/12	Sep/05 Sep/17 Sep/28	Sep/18 Sep/28 Oct/11	Oct/01 Oct/09 Oct/24	137 155 185	115 138 165	93 120 146	51 44 35
COLDEN 1 N	36 32 28	May/18 May/05 Apr/17	Jun/03 May/19 May/03	Jun/19 Jun/02 May/18	Sep/01 Sep/15 Sep/29	Sep/16 Sep/28 Oct/15	Sep/30 Oct/11 Oct/31	123 149 187	104 131 165	86 113 143	52 45 35
CONKLINGVILLE DAM	36 32 28	May/02 Apr/20 Apr/10	May/18 May/06 Apr/22	Jun/04 May/22 May/05	Sep/15 Sep/26 Oct/04	Sep/28 Oct/11 Oct/22	Oct/12 Oct/26 Nov/09	154 181 208	132 158 182	111 134 156	51 44 35
COOPERSTOWN	36 32 28	May/23 May/06 Apr/26	Jun/05 May/21 May/07	Jun/19 Jun/06 May/19	Aug/30 Sep/14 Sep/22	Sep/12 Sep/25 Oct/05	Sep/25 Oct/05 Oct/17	117 143 166	98 126 149	79 108 133	53 45 36
CORTLAND	36 32 28	May/01 Apr/17 Apr/04	May/16 May/01 Apr/17	May/31 May/16 Apr/29	Sep/15 Sep/25 Oct/06	Sep/27 Oct/11 Oct/25	Oct/09 Oct/27 Nov/13	148 183 215	133 162 191	118 141 167	48 39 31
DANNEMORA	36 32 28	May/06 Apr/21 Apr/14	May/21 May/09 Apr/26	Jun/06 May/26 May/09	Sep/09 Sep/22 Sep/29	Sep/22 Oct/04 Oct/15	Oct/05 Oct/15 Nov/01	140 169 193	123 147 171	106 125 150	51 44 37
DANSVILLE	36 32 28	May/08 Apr/26 Apr/12	May/24 May/12 Apr/26	Jun/08 May/28 May/09	Sep/10 Sep/23 Oct/03	Sep/23 Oct/06 Oct/19	Oct/06 Oct/20 Nov/04	142 167 197	122 147 176	101 126 155	48 40 31
DELHI 2 SE	36 32 28	May/18 May/14 Apr/25	Jun/11 May/27 May/12	Jun/04 Jun/09 May/29	Aug/23 Sep/04 Sep/17	Sep/08 Sep/22 Oct/11	Sep/24 Oct/09 Nov/03	120 139 182	89 117 151	58 95 120	56 47 38
DEPOSIT	36 32 28	May/16 May/03 Apr/25	May/31 May/19 May/06	Jun/16 Jun/03 May/17	Sep/02 Sep/21 Sep/25	Sep/16 Oct/02 Oct/12	Sep/30 Oct/13 Oct/28	127 151 176	107 135 158	88 119 140	51 43 34
DOBBS FERRY ARDSLEY	36 32 28	Apr/13 Apr/03 Mar/21	Apr/29 Apr/18 Apr/03	May/14 May/02 Apr/17	Sep/27 Oct/10 Oct/26	Oct/12 Oct/25 Nov/11	Oct/27 Nov/08 Nov/27	190 213 244	165 189 221	141 165 198	36 28 20
ELMIRA	36 32 28	May/06 Apr/25 Apr/10	May/23 May/09 Apr/26	Jun/09 May/22 May/12	Sep/11 Sep/19 Oct/02	Sep/23 Oct/03 Oct/18	Oct/05 Oct/18 Nov/03	141 168 199	122 147 174	103 125 149	50 42 33
FRANKLINVILLE	36 32 28	May/23 May/09 Apr/27	Jun/08 May/26 May/14	Jun/24 Jun/11 May/31	Aug/28 Sep/07 Sep/21	Sep/12 Sep/22 Oct/07	Sep/28 Oct/07 Oct/23	118 144 163	95 119 145	72 93 127	56 49 39

FREDONIA	36 32 28	Apr/30 Apr/20 Apr/08	May/13 May/02 Apr/18	May/26 May/14 Apr/27	Sep/24 Oct/08 Oct/18	Oct/08 Oct/22 Nov/05	Oct/21 Nov/05 Nov/22	168 192 222	147 172 200	127 152 178	42 34 25
GENEVA RESEARCH FARM	36 32 28	Apr/29 Apr/16 Apr/03	May/12 Apr/28 Apr/15	May/26 May/10 Apr/27	Sep/20 Oct/01 Oct/17	Oct/03 Oct/15 Oct/31	Oct/16 Oct/29 Nov/13	162 189 220	143 169 198	125 150 176	46 38 30
GLENS FALLS FARM	36 32 28	May/08 Apr/26 Apr/18	May/26 May/13 Apr/29	Jun/14 May/29 May/11	Aug/26 Sep/11 Sep/24	Sep/13 Sep/26 Oct/08	Oct/02 Oct/12 Oct/22	139 162 178	109 136 161	79 110 144	51 44 36
GLENS FALLS AP	36 32 28	May/07 Apr/28 Apr/13	May/22 May/08 Apr/25	Jun/07 May/18 May/08	Sep/05 Sep/16 Sep/24	Sep/19 Sep/29 Oct/09	Oct/03 Oct/11 Oct/24	140 155 185	119 143 166	97 131 146	51 44 35
GLOVERSVILLE	36 32 28	May/08 Apr/26 Apr/14	May/21 May/08 Apr/26	Jun/03 May/20 May/07	Sep/11 Sep/21 Sep/30	Sep/22 Oct/03 Oct/15	Oct/03 Oct/15 Oct/31	138 160 190	123 147 172	108 134 154	51 44 35
GOVERNEUR 3 NW	36 32 28	May/17 May/04 Apr/25	Jun/04 May/20 May/06	Jun/22 Jun/04 May/17	Aug/23 Sep/07 Sep/20	Sep/08 Sep/21 Oct/04	Sep/25 Oct/04 Oct/17	122 141 167	96 123 150	69 105 133	53 45 37
GRAFTON	36 32 28	May/06 Apr/22 Apr/12	May/22 May/08 Apr/25	Jun/06 May/24 May/07	Sep/10 Sep/16 Sep/28	Sep/23 Oct/02 Oct/14	Oct/05 Oct/17 Oct/29	141 167 190	123 146 171	105 125 152	49 42 34
GREENPORT POWER HOUSE	36 32 28	Apr/07 Mar/22 Mar/18	May/05 Apr/19 Apr/02	Jun/01 May/17 Apr/17	Oct/01 Oct/08 Oct/23	Oct/19 Oct/29 Nov/16	Nov/05 Nov/19 Dec/11	205 235 258	166 193 227	128 150 196	36 28 20
HEMLOCK	36 32 28	May/08 Apr/29 Apr/15	May/25 May/12 Apr/27	Jun/12 May/25 May/10	Sep/01 Sep/15 Oct/06	Sep/21 Oct/04 Oct/21	Oct/12 Oct/23 Nov/05	147 168 197	118 145 176	90 121 156	48 40 32
HUDSON CORRECTIONL FAC	36 32 28	Apr/28 Apr/21 Apr/08	May/13 May/03 Apr/22	May/28 May/15 May/05	Sep/17 Sep/25 Oct/05	Sep/28 Oct/09 Oct/23	Oct/10 Oct/24 Nov/11	156 175 207	138 159 184	119 142 161	46 39 30
INDIAN LAKE 2 SW	36 32 28	May/28 May/18 May/01	Jun/14 Jun/01 May/15	Jun/01 Jun/15 May/29	Aug/16 Sep/06 Sep/19	Sep/04 Sep/17 Oct/04	Sep/23 Sep/29 Oct/18	108 126 160	81 107 141	55 88 122	60 53 44
ITHACA CORNELL UNIV	36 32 28	May/14 May/01 Apr/18	May/30 May/14 Apr/30	Jun/15 May/28 May/12	Sep/04 Sep/18 Sep/30	Sep/19 Oct/03 Oct/15	Oct/03 Oct/17 Oct/30	133 159 186	111 141 167	89 123 148	50 42 33
JAMESTOWN 4 ENE	36 32 28	May/15 May/02 Apr/16	Jun/05 May/20 May/04	Jun/25 Jun/07 May/21	Sep/03 Sep/10 Sep/24	Sep/17 Sep/30 Oct/16	Sep/30 Oct/19 Nov/06	129 161 200	103 132 165	77 103 129	53 45 36
LAKE PLACID 2 S	36 32 28	Jun/04 May/23 May/06	Jun/28 Jun/07 May/21	Jul/22 Jun/22 Jun/04	Aug/06 Aug/30 Sep/10	Aug/24 Sep/11 Sep/25	Sep/11 Sep/23 Oct/11	91 116 145	57 95 127	22 74 109	60 53 44
LAWRENCEVILLE 3 SW	36 32 28	May/11 May/01 Apr/17	May/30 May/16 Apr/29	Jun/18 Jun/01 May/12	Aug/31 Sep/20 Sep/28	Sep/16 Oct/01 Oct/10	Oct/02 Oct/11 Oct/22	134 156 181	108 136 163	82 117 145	51 44 36
LIBERTY 1 NE	36 32 28	May/10 Apr/28 Apr/16	May/28 May/13 Apr/29	Jun/14 May/27 May/11	Sep/04 Sep/14 Sep/26	Sep/17 Sep/28 Oct/15	Sep/30 Oct/12 Nov/02	134 157 191	111 138 168	89 118 145	53 46 36
LITTLE FALLS CITY RSVR	36 32 28	May/10 Apr/28 Apr/14	May/26 May/09 Apr/26	Jun/11 May/21 May/07	Sep/03 Sep/13 Sep/23	Sep/16 Sep/27 Oct/10	Sep/30 Oct/11 Oct/27	134 156 186	113 140 167	92 124 147	53 45 37
LITTLE VALLEY	36 32 28	May/16 May/09 Apr/25	Jun/02 May/24 May/06	Jun/19 Jun/08 May/17	Sep/01 Sep/12 Sep/29	Sep/17 Sep/28 Oct/15	Oct/02 Oct/15 Oct/31	128 142 183	106 127 161	84 112 140	54 46 36
LOWVILLE	36 32 28	May/16 Apr/28 Apr/18	May/31 May/15 May/04	Jun/16 Jun/02 May/20	Aug/29 Sep/11 Sep/20	Sep/12 Sep/24 Oct/06	Sep/27 Oct/07 Oct/23	127 150 177	103 131 154	79 113 132	54 45 37

MASSENA AP	36 32 28	May10 Apr22 Apr14	May23 May08 Apr25	Jun05 May24 May06		Aug30 Sep18 Sep25	Sep14 Sep28 Oct08	Sep29 Oct09 Oct20	133 161 185	113 143 165	94 124 146	52 44 37
MIDDLETOWN 2 NW	36 32 28	Apr20 Apr07 Mar29	May01 Apr17 Apr08	May12 Apr28 Apr18		Sep22 Oct03 Oct17	Oct06 Oct17 Nov03	Oct20 Nov01 Nov19	176 202 226	157 182 208	139 163 189	41 33 25
MILLBROOK	36 32 28	May06 Apr20 Apr09	May23 May09 Apr27	Jun09 May29 May14		Sep03 Sep13 Sep28	Sep17 Sep30 Oct14	Sep30 Oct16 Oct30	135 167 195	116 142 169	96 118 144	51 43 35
MINEOLA	36 32 28	Apr04 Mar25 Mar11	Apr20 Apr08 Mar26	May05 Apr23 Apr11		Oct07 Oct19 Nov04	Oct22 Nov08 Nov23	Nov07 Nov28 Dec12	209 239 267	185 213 241	160 187 215	32 23 16
MOHONK LAKE	36 32 28	Apr20 Apr13 Apr03	May02 Apr24 Apr14	May14 May04 Apr24		Sep27 Oct07 Oct26	Oct10 Oct22 Nov04	Oct23 Nov06 Nov13	179 199 219	160 180 204	140 162 189	42 35 27
MORRISVILLE 6 SW	36 32 28	May11 Apr30 Apr18	Jun02 May15 Apr30	Jun24 May30 May12		Sep02 Sep13 Sep27	Sep14 Sep26 Oct15	Sep27 Oct09 Nov01	131 156 189	104 134 167	77 112 145	52 45 36
MOUNT MORRIS 2 W	36 32 28	May02 Apr21 Apr10	May18 May04 Apr20	Jun02 May16 Apr30		Sep17 Sep27 Oct12	Sep28 Oct10 Oct25	Oct08 Oct24 Nov08	150 176 206	132 159 187	114 141 168	48 40 31
NEWCOMB	36 32 28	May24 May09 May01	Jun14 May29 May15	Jul04 Jun18 May29		Aug16 Aug30 Sep17	Sep03 Sep17 Sep30	Sep21 Oct04 Oct14	110 138 158	80 110 138	51 81 117	61 54 46
NEW YORK AVE V BROOKLYN	36 32 28	Apr01 Mar21 Mar10	Apr11 Apr01 Mar24	Apr21 Apr13 Apr07		Oct21 Nov02 Nov14	Nov05 Nov18 Nov29	Nov21 Dec03 Dec13	227 253 271	207 229 249	187 206 226	28 19 14
NEW YORK CITY CENTRAL PK	36 32 28	Apr04 Mar20 Mar11	Apr14 Apr01 Mar25	Apr24 Apr13 Apr09		Oct21 Oct29 Nov14	Nov02 Nov15 Nov28	Nov13 Dec02 Dec13	215 251 269	201 227 247	187 203 226	28 20 14
NEW YORK JFK INTL AP	36 32 28	Apr03 Mar19 Mar09	Apr11 Mar31 Mar23	Apr19 Apr11 Apr06		Oct21 Oct31 Nov13	Nov02 Nov17 Nov27	Nov13 Dec04 Dec10	216 252 267	204 230 248	191 209 228	28 20 14
NEW YORK LA GUARDIA AP	36 32 28	Mar31 Mar20 Mar09	Apr10 Apr01 Mar21	Apr20 Apr12 Apr03		Oct21 Nov06 Nov16	Nov06 Nov20 Nov30	Nov22 Dec04 Dec15	230 252 272	210 233 254	189 213 235	27 19 13
NORWICH	36 32 28	May22 May05 Apr19	Jun04 May20 May02	Jun16 Jun05 May15		Aug29 Sep12 Sep25	Sep14 Sep24 Oct11	Oct01 Oct07 Oct26	124 144 181	102 126 161	80 109 141	53 45 35
OGDENSBURG 4 NE	36 32 28	Apr28 Apr19 Apr08	May19 May03 Apr22	Jun08 May18 May07		Sep09 Sep21 Sep26	Sep24 Oct02 Oct09	Oct09 Oct14 Oct23	152 169 189	128 151 169	103 134 150	49 42 34
OLD FORGE	36 32 28	May25 May13 Apr29	Jun21 Jun07 May21	Jul19 Jul01 Jun12		Aug11 Aug28 Sep09	Aug31 Sep13 Sep26	Sep19 Sep28 Oct13	110 133 160	70 97 127	29 62 95	61 54 46
OSWEGO EAST	36 32 28	Apr29 Apr16 Apr02	May12 Apr28 Apr14	May26 May11 Apr26		Sep21 Sep30 Oct19	Oct06 Oct16 Nov02	Oct21 Oct31 Nov16	165 192 223	146 170 201	126 148 179	43 35 26
PENN YAN	36 32 28	May03 Apr23 Apr10	May16 May03 Apr22	May28 May14 May03		Sep20 Sep26 Oct15	Oct03 Oct12 Oct29	Oct16 Oct27 Nov12	159 181 210	139 161 189	120 140 168	47 39 30
PERU 2 WSW	36 32 28	May10 Apr29 Apr18	May26 May12 Apr29	Jun11 May25 May09		Sep08 Sep21 Sep27	Sep20 Oct01 Oct09	Oct02 Oct11 Oct21	137 159 178	116 141 162	95 124 146	51 44 35
PORT JERVIS	36 32 28	May01 Apr22 Apr10	May15 May05 Apr21	May28 May18 May02		Sep17 Sep27 Oct05	Sep27 Oct09 Oct20	Oct07 Oct21 Nov04	151 172 203	135 157 182	119 141 160	45 38 29

POUGHKEEPSIE	36 32 28	May/01 Apr/21 Apr/06	May/14 May/03 Apr/16	May/28 May/14 Apr/27	Sep/15 Sep/24 Oct/05	Sep/25 Oct/09 Oct/20	Oct/06 Oct/24 Nov/04	150 182 202	133 159 186	116 135 169	47 40 31
RAY BROOK	36 32 28	May/29 May/15 May/01	Jun/19 Jun/01 May/15	Jul/10 Jun/18 May/29	Aug/13 Sep/02 Sep/12	Aug/29 Sep/14 Sep/27	Sep/14 Sep/25 Oct/13	97 125 152	71 104 134	44 83 117	60 53 44
RIVERHEAD RESEARCH FARM	36 32 28	Apr/13 Mar/29 Mar/17	Apr/26 Apr/13 Mar/30	May/08 Apr/28 Apr/12	Oct/07 Oct/18 Nov/06	Oct/19 Nov/01 Nov/19	Oct/31 Nov/14 Dec/03	194 220 251	176 201 233	157 181 216	34 26 17
ROCHESTER MONROE CO AP	36 32 28	Apr/30 Apr/16 Apr/06	May/14 Apr/29 Apr/17	May/28 May/12 Apr/29	Sep/20 Sep/29 Oct/19	Oct/02 Oct/13 Nov/01	Oct/14 Oct/27 Nov/13	160 185 216	140 166 197	120 147 178	45 37 28
SARATOGA SPRINGS 4 SW	36 32 28	May/10 Apr/27 Apr/17	May/25 May/08 Apr/27	Jun/08 May/20 May/08	Sep/08 Sep/16 Sep/23	Sep/19 Sep/28 Oct/08	Sep/30 Oct/10 Oct/22	135 157 179	117 142 163	98 127 146	50 43 34
SETAUKET STRONG	36 32 28	Apr/16 Mar/29 Mar/17	Apr/27 Apr/14 Mar/30	May/07 May/01 Apr/12	Sep/15 Oct/09 Oct/27	Oct/07 Oct/27 Nov/04	Oct/28 Nov/15 Nov/12	185 218 233	162 195 219	140 173 204	41 34 27
SODUS CENTER	36 32 28	May/04 Apr/22 Apr/07	May/20 May/03 Apr/17	Jun/05 May/14 Apr/27	Sep/21 Sep/26 Oct/10	Sep/30 Oct/12 Oct/24	Oct/10 Oct/28 Nov/06	151 183 207	133 161 189	115 139 170	45 36 28
SYRACUSE HANCOCK INTL AP	36 32 28	Apr/30 Apr/18 Apr/08	May/12 Apr/28 Apr/18	May/24 May/08 Apr/28	Sep/17 Sep/29 Oct/09	Sep/28 Oct/13 Oct/25	Oct/09 Oct/28 Nov/09	156 188 209	138 168 189	121 148 169	45 37 28
TULLY HEIBERG FOREST	36 32 28	May/12 May/02 Apr/21	May/30 May/18 May/04	Jun/17 Jun/03 May/17	Sep/03 Sep/16 Sep/26	Sep/18 Oct/01 Oct/12	Oct/02 Oct/15 Oct/28	131 158 184	110 135 160	89 112 137	52 45 37
UTICA FAA AP	36 32 28	May/02 Apr/19 Apr/09	May/16 May/03 Apr/19	May/30 May/17 Apr/28	Sep/15 Sep/24 Oct/03	Sep/28 Oct/10 Oct/20	Oct/12 Oct/26 Nov/05	155 180 203	135 159 183	114 138 163	47 39 30
WARSAW 6 SW	36 32 28	May/11 Apr/29 Apr/13	May/26 May/14 Apr/27	Jun/10 May/29 May/11	Sep/03 Sep/13 Oct/02	Sep/19 Sep/29 Oct/17	Oct/04 Oct/15 Nov/02	133 162 195	115 138 172	96 113 150	52 45 36
WATERTOWN	36 32 28	May/03 Apr/23 Apr/11	May/19 May/04 Apr/21	Jun/05 May/14 Apr/30	Sep/16 Sep/23 Oct/07	Sep/27 Oct/05 Oct/19	Oct/07 Oct/18 Oct/31	149 169 196	130 154 181	111 139 165	48 40 33
WATERTOWN AP	36 32 28	May/10 Apr/27 Apr/18	May/28 May/15 Apr/30	Jun/15 Jun/02 May/11	Aug/30 Sep/09 Sep/21	Sep/14 Sep/25 Oct/04	Sep/30 Oct/10 Oct/17	130 153 176	108 132 157	87 111 137	50 42 34
WESTFIELD 2 SSE	36 32 28	Apr/27 Apr/12 Apr/03	May/09 Apr/23 Apr/15	May/22 May/03 Apr/27	Oct/02 Oct/14 Oct/28	Oct/17 Oct/28 Nov/11	Nov/01 Nov/12 Nov/24	179 209 229	160 188 209	140 166 188	42 34 25
WHITEHALL	36 32 28	Apr/28 Apr/21 Apr/11	May/12 May/01 Apr/21	May/27 May/11 Apr/30	Sep/18 Sep/24 Oct/06	Sep/28 Oct/06 Oct/22	Oct/08 Oct/19 Nov/07	154 173 203	138 157 183	123 142 164	47 40 31
YORKTOWN HEIGHTS 1 W	36 32 28	Apr/19 Apr/08 Mar/30	May/02 Apr/19 Apr/09	May/16 Apr/29 Apr/18	Sep/26 Oct/02 Oct/22	Oct/09 Oct/19 Nov/03	Oct/22 Nov/04 Nov/15	179 203 223	159 182 207	139 162 192	41 34 26

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 (Aug 1 - Jul 31).  
(percent of days with temperatures at or below the threshold temperature)

Freeze / Frost Occurrence Data

All probabilities in whole percent. See notes for probability level description.  
- Indicates the probability of occurrence of threshold temperatureis less than indicated probability.

State And Station Name	Thresh old (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			Prob o b a b i l i t y (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
Ohio											
AKRON CANTON AP	36 32 28	Apr25 Apr12 Apr06	May10 Apr28 Apr17	May26 May15 Apr28	Sep26 Oct04 Oct20	Oct08 Oct19 Nov02	Oct20 Nov03 Nov15	165 194 216	150 173 198	134 153 180	42 34 26
AKRON	36 32 28	Apr13 Apr03 Mar25	Apr27 Apr18 Apr07	May10 May02 Apr20	Oct02 Oct09 Oct20	Oct19 Oct28 Nov07	Nov05 Nov15 Nov25	194 217 236	175 192 213	156 167 190	39 30 22
ASHLAND 2 SW	36 32 28	May02 Apr20 Apr11	May17 May04 Apr24	Jun02 May19 May07	Sep12 Sep22 Oct06	Sep25 Oct07 Oct21	Oct08 Oct22 Nov05	147 173 195	130 155 179	113 137 163	46 39 31
ATHENS 2 N	36 32 28	Apr26 Apr21 Apr07	May16 May06 Apr22	Jun05 May21 May06	Sep12 Sep20 Sep30	Sep26 Oct05 Oct16	Oct10 Oct20 Nov01	158 175 199	132 152 177	107 128 155	46 39 31
BARNESVILLE	36 32 28	Apr28 Apr16 Apr02	May14 May04 Apr17	May31 May21 May02	Sep20 Sep28 Oct09	Oct02 Oct12 Oct27	Oct14 Oct26 Nov14	160 185 219	140 161 192	120 137 166	44 37 28
BELLEFONTAINE	36 32 28	Apr24 Apr12 Mar31	May07 Apr29 Apr14	May20 May15 Apr28	Sep21 Sep27 Oct08	Oct01 Oct11 Oct25	Oct12 Oct25 Nov12	164 185 217	147 164 193	129 144 170	42 35 27
BOWLING GREEN WWTP	36 32 28	Apr24 Apr16 Apr03	May08 Apr28 Apr15	May23 May10 Apr27	Sep20 Sep30 Oct08	Oct03 Oct14 Oct25	Oct15 Oct28 Nov11	165 189 217	146 168 192	128 148 168	45 37 28
BUCYRUS	36 32 28	Apr26 Apr16 Apr04	May09 Apr29 Apr15	May21 May12 Apr26	Sep22 Oct01 Oct10	Oct02 Oct14 Oct27	Oct13 Oct26 Nov13	163 182 217	146 167 194	129 152 171	45 37 29
CADIZ	36 32 28	Apr22 Apr14 Apr02	May08 Apr27 Apr15	May23 May09 Apr29	Sep22 Oct04 Oct15	Oct05 Oct18 Oct31	Oct19 Nov01 Nov16	169 192 218	150 173 198	131 154 179	40 33 25
CAMBRIDGE	36 32 28	Apr27 Apr16 Apr05	May13 May04 Apr16	May29 May22 Apr27	Sep21 Sep30 Oct09	Oct02 Oct11 Oct25	Oct13 Oct23 Nov10	159 180 211	141 160 191	123 140 171	41 33 24
CARPENTER 2 S	36 32 28	Apr25 Apr17 Apr04	May14 May05 Apr22	Jun01 May22 May09	Sep16 Sep23 Oct01	Sep29 Oct06 Oct20	Oct12 Oct19 Nov08	159 174 207	138 154 181	117 134 154	42 35 26
CELINA 3 NE	36 32 28	Apr24 Apr13 Apr01	May06 Apr27 Apr13	May18 May10 Apr24	Sep21 Sep29 Oct12	Oct03 Oct14 Oct28	Oct15 Oct28 Nov13	167 189 221	149 169 197	131 149 174	40 33 24
CENTERBURG 2 SE	36 32 28	Apr21 Apr15 Apr04	May07 May01 Apr17	May23 May17 Apr30	Sep20 Oct01 Oct10	Sep29 Oct11 Oct25	Oct09 Oct22 Nov09	163 182 211	145 162 191	126 142 170	44 37 29
CHARDON	36 32 28	May12 Apr27 Apr14	May30 May12 Apr28	Jun16 May28 May11	Sep11 Sep22 Oct09	Sep24 Oct08 Oct27	Oct08 Oct23 Nov13	131 168 205	117 147 181	102 127 157	49 41 32



CHEVIOT	36 32 28	Apr18 Apr06 Mar25	May01 Apr19 Apr08	May15 May03 Apr22	Sep26 Oct04 Oct15	Oct06 Oct17 Oct30	Oct17 Oct29 Nov13	172 198 223	157 180 204	143 161 185	37 30 22
CHILO MELDAHL L&D	36 32 28	Apr16 Apr03 Mar24	May01 Apr17 Apr06	May17 May02 Apr19	Sep28 Oct12 Oct20	Oct13 Oct27 Nov06	Oct28 Nov11 Nov23	188 216 235	164 192 214	141 168 192	38 30 22
CHIPPEWA LAKE	36 32 28	Apr30 Apr18 Apr04	May18 May04 Apr23	Jun04 May19 May13	Sep12 Sep27 Oct07	Sep25 Oct11 Oct25	Oct07 Oct25 Nov13	150 181 215	129 160 184	108 139 153	45 38 29
CINCINNATI LUNKEN AP	36 32 28	Apr13 Mar30 Mar18	Apr27 Apr13 Apr02	May11 Apr27 Apr17	Sep29 Oct09 Oct20	Oct10 Oct23 Nov04	Oct22 Nov06 Nov19	184 214 237	166 192 215	147 170 193	35 27 19
CIRCLEVILLE	36 32 28	Apr22 Apr11 Mar29	May06 Apr23 Apr09	May19 May06 Apr21	Sep25 Oct02 Oct13	Oct06 Oct19 Oct31	Oct16 Nov04 Nov18	170 200 225	152 178 203	134 155 182	39 31 23
CLEVELAND HOPKNS INTL AP	36 32 28	Apr24 Apr14 Apr04	May10 Apr30 Apr17	May27 May16 Apr30	Sep24 Oct08 Oct23	Oct07 Oct23 Nov04	Oct20 Nov07 Nov17	170 194 219	149 175 201	128 156 183	41 33 24
COLUMBUS VLY CROSSING	36 32 28	Apr23 Apr14 Mar31	May03 Apr26 Apr12	May13 May09 Apr23	Sep23 Sep30 Oct09	Oct04 Oct13 Oct27	Oct15 Oct27 Nov14	167 187 218	153 169 198	138 151 178	39 32 23
COLUMBUS INTL AP	36 32 28	Apr20 Apr10 Mar27	May06 Apr24 Apr10	May23 May09 Apr24	Sep25 Oct06 Oct17	Oct06 Oct20 Nov01	Oct17 Nov03 Nov16	174 198 226	152 178 204	130 157 182	39 31 23
COSHOCTON WPC PLANT	36 32 28	Apr27 Apr18 Apr02	May12 May03 Apr17	May27 May18 May03	Sep20 Sep25 Oct11	Sep30 Oct10 Oct25	Oct11 Oct25 Nov07	160 179 211	141 159 189	121 139 168	43 36 27
COSHOCTON AGR RES STN	36 32 28	Apr19 Apr07 Mar29	May03 Apr21 Apr10	May17 May04 Apr23	Sep25 Oct04 Oct19	Oct07 Oct18 Nov03	Oct19 Nov02 Nov18	175 201 225	156 180 206	137 160 187	40 33 26
DANVILLE 2 W	36 32 28	May06 Apr26 Apr14	May25 May12 May01	Jun13 May27 May18	Sep04 Sep14 Sep27	Sep17 Sep27 Oct11	Sep30 Oct09 Oct25	136 156 181	114 137 162	91 119 143	49 41 32
DAYTON MCD	36 32 28	Apr10 Mar31 Mar21	Apr23 Apr11 Apr03	May06 Apr22 Apr17	Oct01 Oct17 Oct28	Oct18 Oct30 Nov09	Nov04 Nov13 Nov21	201 219 238	177 201 219	153 183 201	37 29 21
DAYTON INTL AP	36 32 28	Apr22 Apr09 Mar30	May03 Apr22 Apr11	May14 May06 Apr22	Sep23 Oct03 Oct14	Oct06 Oct19 Oct30	Oct19 Nov04 Nov15	172 203 223	156 179 201	139 155 179	39 32 24
DEFIANCE	36 32 28	Apr21 Apr07 Apr01	May05 Apr24 Apr14	May19 May11 Apr27	Sep22 Oct01 Oct12	Oct05 Oct17 Oct29	Oct18 Nov03 Nov14	171 204 222	152 176 197	133 148 172	45 38 29
DELAWARE	36 32 28	Apr27 Apr16 Apr04	May12 Apr28 Apr16	May27 May11 Apr27	Sep19 Sep27 Oct09	Oct01 Oct09 Oct23	Oct12 Oct22 Nov07	156 181 208	141 163 190	126 145 172	45 37 29
DORSET	36 32 28	May19 Apr30 Apr20	Jun02 May20 May02	Jun17 Jun08 May14	Sep05 Sep13 Oct03	Sep21 Oct01 Oct20	Oct07 Oct20 Nov06	130 159 190	110 134 170	90 109 151	49 40 31
EATON	36 32 28	Apr25 Apr12 Apr02	May10 Apr29 Apr16	May25 May15 May01	Sep19 Sep24 Oct03	Sep30 Oct10 Oct21	Oct11 Oct26 Nov08	161 186 214	143 164 187	125 141 159	45 38 29
ELYRIA 3 E	36 32 28	Apr25 Apr18 Apr04	May11 Apr30 Apr16	May27 May12 Apr29	Sep25 Oct06 Oct23	Oct07 Oct20 Nov04	Oct18 Nov03 Nov15	167 189 217	148 172 201	129 155 184	41 33 24
FINDLAY AP	36 32 28	Apr22 Apr12 Mar30	May04 Apr25 Apr11	May16 May07 Apr22	Sep23 Sep28 Oct11	Oct05 Oct13 Oct27	Oct17 Oct28 Nov12	169 189 220	153 171 199	137 153 178	41 34 25

FINDLAY WPCC	36 32 28	Apr/20 Apr/12 Mar/31	May/02 Apr/26 Apr/13	May/15 May/11 Apr/26	Sep/22 Oct/01 Oct/12	Oct/04 Oct/18 Oct/29	Oct/17 Nov/03 Nov/14	171 199 221	154 174 198	137 148 175	41 34 26
FRANKLIN	36 32 28	Apr/22 Apr/11 Mar/31	May/04 Apr/25 Apr/11	May/16 May/09 Apr/23	Sep/20 Sep/29 Oct/09	Oct/01 Oct/11 Oct/24	Oct/12 Oct/23 Nov/08	164 186 215	149 168 195	134 151 175	42 35 26
FREDERICKTOWN 4 S	36 32 28	May/03 Apr/24 Apr/09	May/17 May/06 Apr/22	Jun/01 May/17 May/05	Sep/06 Sep/15 Oct/01	Sep/19 Sep/29 Oct/15	Oct/02 Oct/13 Oct/29	141 163 196	124 146 175	107 128 154	49 42 33
FREMONT	36 32 28	Apr/25 Apr/13 Apr/03	May/06 Apr/26 Apr/12	May/17 May/09 Apr/20	Sep/22 Oct/01 Oct/17	Oct/04 Oct/15 Oct/30	Oct/15 Oct/29 Nov/12	166 190 215	150 172 201	135 153 186	44 36 27
GALLIPOLIS	36 32 28	Apr/20 Apr/13 Mar/26	May/06 Apr/27 Apr/13	May/22 May/12 Apr/30	Sep/25 Oct/03 Oct/12	Oct/08 Oct/19 Oct/29	Oct/22 Nov/03 Nov/15	178 198 227	154 173 199	131 149 171	37 30 22
GREENVILLE WATER PLANT	36 32 28	Apr/25 Apr/14 Apr/05	May/08 Apr/27 Apr/18	May/21 May/11 May/01	Sep/14 Sep/25 Oct/02	Sep/26 Oct/08 Oct/17	Oct/09 Oct/22 Nov/01	159 182 203	141 163 181	122 144 160	45 38 30
HILLSBORO	36 32 28	Apr/19 Apr/04 Mar/28	May/01 Apr/17 Apr/08	May/14 May/01 Apr/20	Sep/26 Oct/07 Oct/15	Oct/11 Oct/24 Nov/03	Oct/27 Nov/09 Nov/21	183 213 230	162 189 208	141 164 186	38 31 23
HIRAM	36 32 28	Apr/21 Apr/16 Apr/04	May/09 Apr/28 Apr/18	May/27 May/10 May/01	Sep/25 Oct/03 Oct/23	Oct/06 Oct/19 Nov/02	Oct/17 Nov/03 Nov/12	169 194 213	150 173 198	130 153 182	43 37 28
HOYTVILLE 2 NE	36 32 28	Apr/29 Apr/20 Apr/07	May/13 May/02 Apr/20	May/27 May/13 May/02	Sep/15 Sep/26 Oct/02	Sep/27 Oct/08 Oct/20	Oct/09 Oct/20 Nov/08	153 175 207	136 159 183	120 142 158	46 39 29
JACKSON 3 NW	36 32 28	Apr/23 Apr/13 Mar/29	May/11 May/02 Apr/17	May/28 May/21 May/05	Sep/17 Sep/29 Oct/07	Oct/02 Oct/12 Oct/23	Oct/16 Oct/25 Nov/07	167 187 215	143 162 188	119 138 162	42 35 26
KENTON	36 32 28	Apr/21 Apr/10 Apr/01	May/08 Apr/26 Apr/15	May/24 May/12 Apr/29	Sep/21 Sep/26 Oct/07	Oct/04 Oct/13 Oct/26	Oct/17 Oct/30 Nov/15	170 194 222	149 169 193	127 144 164	44 36 28
LIMA WWTP	36 32 28	Apr/20 Apr/12 Mar/30	May/05 Apr/27 Apr/13	May/19 May/11 Apr/28	Sep/23 Sep/29 Oct/14	Oct/06 Oct/16 Oct/31	Oct/18 Nov/01 Nov/17	172 191 226	153 171 200	134 151 174	40 33 24
LONDON	36 32 28	Apr/22 Apr/16 Apr/05	May/10 Apr/29 Apr/17	May/27 May/12 Apr/28	Sep/20 Sep/25 Oct/07	Sep/30 Oct/08 Oct/23	Oct/10 Oct/21 Nov/08	164 181 209	143 161 188	122 142 167	43 35 26
MANSFIELD LAHM AP	36 32 28	Apr/27 Apr/16 Apr/07	May/09 Apr/28 Apr/17	May/20 May/09 Apr/28	Sep/21 Oct/02 Oct/16	Oct/03 Oct/18 Oct/30	Oct/14 Nov/03 Nov/12	160 193 214	146 173 195	133 152 176	42 35 26
MANSFIELD 5 W	36 32 28	Apr/30 Apr/19 Apr/08	May/18 May/05 Apr/26	Jun/05 May/22 May/14	Sep/16 Sep/21 Oct/01	Sep/28 Oct/04 Oct/19	Oct/09 Oct/17 Nov/06	153 173 205	132 151 176	111 129 146	45 38 30
MARIETTA WWTP	36 32 28	Apr/22 Apr/12 Mar/28	May/04 Apr/26 Apr/09	May/16 May/10 Apr/21	Sep/25 Oct/05 Oct/16	Oct/09 Oct/20 Oct/31	Oct/22 Nov/04 Nov/15	175 198 225	157 177 204	140 155 184	38 30 22
MARION 2 N	36 32 28	Apr/24 Apr/16 Apr/05	May/09 Apr/29 Apr/16	May/24 May/11 Apr/27	Sep/16 Sep/29 Oct/07	Sep/30 Oct/12 Oct/24	Oct/15 Oct/24 Nov/10	163 185 214	143 166 191	124 146 168	45 37 28
MARYSVILLE	36 32 28	Apr/20 Apr/13 Mar/30	May/06 Apr/24 Apr/11	May/21 May/06 Apr/23	Sep/23 Sep/28 Oct/18	Oct/05 Oct/16 Nov/01	Oct/17 Nov/03 Nov/15	172 198 220	152 174 203	131 149 186	42 34 25
MC CONNELSVILLE LOCK 7	36 32 28	Apr/25 Apr/18 Apr/04	May/12 May/04 Apr/20	May/29 May/20 May/06	Sep/23 Oct/02 Oct/11	Oct/04 Oct/15 Oct/27	Oct/15 Oct/28 Nov/12	166 182 214	144 163 190	122 144 165	45 37 28

MILFORD	36 32 28	Apr'19 Apr'11 Mar'27	May'04 Apr'25 Apr'11	May'20 May'09 Apr'27	Sep'23 Sep'28 Oct'08	Oct'05 Oct'13 Oct'27	Oct'17 Oct'29 Nov'14	173 194 226	153 171 198	133 148 170	42 35 27
MILLERSBURG	36 32 28	Apr'30 Apr'18 Apr'10	May'15 May'06 Apr'23	May'31 May'23 May'05	Sep'15 Sep'23 Oct'05	Sep'26 Oct'06 Oct'20	Oct'06 Oct'20 Nov'04	148 172 200	133 153 180	117 134 160	45 38 29
MILLPORT 2 NW	36 32 28	May'09 May'01 Apr'16	May'28 May'17 May'02	Jun'16 Jun'01 May'18	Sep'01 Sep'13 Sep'23	Sep'16 Sep'25 Oct'09	Sep'30 Oct'06 Oct'25	133 145 180	110 130 159	87 115 138	47 40 30
MINERAL RIDGE WTR WKS	36 32 28	May'06 Apr'21 Apr'11	May'24 May'09 Apr'24	Jun'11 May'27 May'08	Sep'14 Sep'27 Oct'09	Sep'29 Oct'13 Oct'25	Oct'14 Oct'28 Nov'09	150 178 205	128 156 183	106 134 160	44 36 26
MONTPELIER	36 32 28	Apr'29 Apr'20 Apr'05	May'14 May'15 Apr'19	May'29 May'15 May'03	Sep'16 Sep'22 Oct'03	Sep'28 Oct'07 Oct'19	Oct'10 Oct'21 Nov'04	154 175 207	137 156 182	120 138 157	49 42 32
NEWARK WATER WORKS	36 32 28	Apr'24 Apr'16 Apr'04	May'10 May'02 Apr'15	May'26 May'18 Apr'26	Sep'19 Sep'27 Oct'10	Sep'29 Oct'11 Oct'26	Oct'10 Oct'26 Nov'10	161 181 214	141 162 193	122 143 172	42 34 25
NEW LEXINGTON 2 NW	36 32 28	Apr'30 Apr'21 Apr'09	May'15 May'06 Apr'21	May'30 May'20 May'04	Sep'16 Sep'27 Oct'08	Sep'28 Oct'07 Oct'22	Oct'10 Oct'18 Nov'06	154 173 204	135 154 183	117 135 163	45 38 29
NEW PHILADELPHIA	36 32 28	Apr'30 Apr'18 Apr'08	May'16 May'05 Apr'21	Jun'01 May'21 May'04	Sep'17 Sep'29 Oct'11	Sep'28 Oct'11 Oct'24	Oct'10 Oct'23 Nov'07	150 177 205	135 158 185	119 140 166	46 38 29
NORWALK WWTP	36 32 28	Apr'26 Apr'16 Apr'08	May'11 Apr'28 Apr'19	May'26 May'10 May'01	Sep'22 Oct'02 Oct'14	Oct'04 Oct'19 Oct'31	Oct'16 Nov'04 Nov'16	166 195 216	146 173 193	125 151 170	44 36 27
OBERLIN	36 32 28	Apr'28 Apr'17 Apr'10	May'17 May'05 Apr'24	Jun'04 May'22 May'09	Sep'13 Sep'20 Oct'06	Sep'27 Oct'10 Oct'24	Oct'12 Oct'31 Nov'12	158 186 210	133 158 182	108 130 155	46 38 29
PAINESVILLE 4 NW	36 32 28	Apr'19 Apr'11 Mar'25	May'02 Apr'21 Apr'07	May'16 May'02 Apr'20	Oct'05 Oct'14 Oct'27	Oct'21 Oct'29 Nov'12	Nov'05 Nov'13 Nov'28	193 211 241	171 190 218	149 169 196	39 31 22
PANDORA	36 32 28	Apr'26 Apr'17 Apr'01	May'06 Apr'30 Apr'14	May'17 May'12 Apr'27	Sep'20 Sep'27 Oct'09	Oct'03 Oct'11 Oct'24	Oct'16 Oct'26 Nov'09	164 183 215	149 164 192	133 145 170	43 35 26
PAULDING	36 32 28	Apr'29 Apr'11 Apr'04	May'12 Apr'28 Apr'19	May'25 May'14 May'03	Sep'18 Sep'22 Oct'04	Sep'30 Oct'07 Oct'19	Oct'11 Oct'23 Nov'04	157 184 206	140 162 183	122 139 160	47 40 31
PHILO 3 SW	36 32 28	Apr'21 Apr'14 Apr'05	May'12 Apr'30 Apr'19	Jun'02 May'16 May'04	Sep'19 Sep'24 Oct'03	Sep'30 Oct'10 Oct'21	Oct'11 Oct'27 Nov'08	163 187 212	140 163 184	117 138 156	40 33 25
PORTSMOUTH SCIOTOVILLE	36 32 28	Apr'20 Apr'05 Mar'22	May'03 Apr'17 Apr'06	May'15 Apr'28 Apr'20	Sep'19 Sep'28 Oct'14	Oct'06 Oct'17 Nov'01	Oct'24 Nov'04 Nov'19	180 207 237	156 182 209	132 157 181	37 29 21
RIPLEY EXP FARM	36 32 28	Apr'19 Apr'08 Mar'29	May'03 Apr'22 Apr'09	May'16 May'06 Apr'20	Sep'22 Oct'02 Oct'07	Oct'04 Oct'16 Oct'25	Oct'15 Oct'30 Nov'12	172 198 219	153 176 198	135 154 178	39 32 24
SANDUSKY	36 32 28	Apr'13 Apr'04 Mar'22	Apr'25 Apr'16 Apr'03	May'08 Apr'28 Apr'15	Oct'01 Oct'16 Oct'24	Oct'16 Oct'30 Nov'09	Oct'30 Nov'14 Nov'24	188 217 238	173 196 219	157 176 200	40 32 23
SPRINGFIELD NEW WTR WKS	36 32 28	Apr'25 Apr'13 Apr'07	May'11 Apr'28 Apr'18	May'26 May'13 Apr'30	Sep'19 Sep'29 Oct'05	Sep'30 Oct'10 Oct'23	Oct'11 Oct'20 Nov'10	162 182 211	142 164 187	122 145 163	44 36 28
STUBENVILLE	36 32 28	Apr'23 Apr'15 Apr'01	May'09 Apr'27 Apr'13	May'24 May'09 Apr'25	Sep'26 Oct'08 Oct'21	Oct'09 Oct'23 Nov'04	Oct'22 Nov'06 Nov'17	172 195 221	153 178 204	134 161 186	40 32 23

TIFFIN	36 32 28	Apr/25 Apr/15 Apr/02	May/06 Apr/26 Apr/14	May/17 May/08 Apr/26	Sep/22 Sep/30 Oct/15	Oct/04 Oct/15 Oct/29	Oct/16 Oct/31 Nov/12	165 190 216	150 171 197	135 152 179	42 34 26
TOLEDO EXPRESS AP	36 32 28	Apr/27 Apr/14 Apr/03	May/13 May/01 Apr/18	May/29 May/18 May/03	Sep/15 Sep/23 Oct/05	Sep/27 Oct/08 Oct/22	Oct/09 Oct/22 Nov/08	155 183 212	137 159 186	119 136 160	45 37 28
TOLEDO BLADE	36 32 28	Apr/15 Apr/04 Mar/25	Apr/27 Apr/18 Apr/06	May/09 May/01 Apr/17	Sep/26 Oct/09 Oct/21	Oct/15 Oct/26 Nov/10	Nov/03 Nov/11 Nov/29	194 213 241	170 190 217	147 167 194	40 33 24
UPPER SANDUSKY	36 32 28	Apr/26 Apr/16 Apr/05	May/07 Apr/30 Apr/16	May/19 May/13 Apr/28	Sep/21 Sep/28 Oct/09	Oct/03 Oct/12 Oct/26	Oct/14 Oct/27 Nov/12	163 184 215	148 165 192	132 146 169	43 35 26
URBANA WWTP	36 32 28	Apr/22 Apr/12 Apr/02	May/08 Apr/25 Apr/13	May/25 May/09 Apr/23	Sep/20 Sep/25 Oct/04	Oct/01 Oct/11 Oct/23	Oct/12 Oct/28 Nov/12	162 190 216	145 168 193	128 147 169	44 36 27
VAN WERT 1 S	36 32 28	Apr/20 Apr/11 Apr/01	May/03 Apr/25 Apr/13	May/17 May/09 Apr/25	Sep/22 Sep/29 Oct/12	Oct/05 Oct/15 Oct/29	Oct/17 Oct/30 Nov/14	172 195 223	153 172 198	135 149 173	43 35 27
WARREN 3 S	36 32 28	May/12 May/01 Apr/10	May/28 May/17 Apr/29	Jun/14 Jun/01 May/17	Sep/06 Sep/18 Oct/03	Sep/21 Oct/03 Oct/18	Oct/05 Oct/17 Nov/01	133 157 194	115 138 171	97 120 148	48 41 31
WASHINGTON COURT HOUSE	36 32 28	Apr/19 Apr/12 Mar/27	May/01 Apr/23 Apr/08	May/13 May/04 Apr/20	Sep/25 Oct/04 Oct/16	Oct/07 Oct/19 Nov/01	Oct/18 Nov/03 Nov/17	174 199 226	158 179 206	142 159 186	38 31 22
WAUSEON WATER PLANT	36 32 28	Apr/27 Apr/15 Apr/06	May/09 Apr/29 Apr/19	May/21 May/13 May/02	Sep/18 Sep/25 Oct/05	Oct/01 Oct/08 Oct/21	Oct/13 Oct/21 Nov/07	157 181 209	144 161 185	131 141 160	45 38 28
WAVERLY	36 32 28	Apr/25 Apr/18 Apr/04	May/10 May/03 Apr/18	May/26 May/18 May/02	Sep/20 Sep/25 Oct/06	Oct/01 Oct/09 Oct/23	Oct/12 Oct/22 Nov/09	162 176 213	143 158 187	124 140 162	42 35 27
WESTERVILLE	36 32 28	Apr/24 Apr/15 Apr/04	May/13 Apr/29 Apr/18	May/31 May/13 May/01	Sep/17 Sep/26 Oct/07	Sep/29 Oct/09 Oct/24	Oct/12 Oct/23 Nov/10	160 181 216	139 162 189	118 143 162	41 34 25
WILMINGTON 3 N	36 32 28	Apr/24 Apr/09 Mar/30	May/03 Apr/25 Apr/12	May/13 May/10 Apr/25	Sep/20 Sep/28 Oct/09	Oct/01 Oct/13 Oct/25	Oct/12 Oct/27 Nov/11	165 191 219	150 170 195	135 149 171	42 34 26
WOOSTER EXP STN	36 32 28	Apr/29 Apr/17 Apr/08	May/15 May/03 Apr/19	May/30 May/19 Apr/30	Sep/14 Sep/26 Oct/06	Sep/26 Oct/08 Oct/22	Oct/08 Oct/19 Nov/06	151 174 205	133 157 185	116 140 165	44 36 27
XENIA 6 SSE	36 32 28	Apr/22 Apr/11 Apr/01	May/06 Apr/25 Apr/14	May/19 May/09 Apr/26	Sep/19 Sep/26 Sep/30	Sep/29 Oct/11 Oct/20	Oct/09 Oct/27 Nov/09	165 190 216	146 168 189	127 147 161	40 32 24
YOUNGSTOWN MUNICIPAL AP	36 32 28	May/03 Apr/24 Apr/10	May/21 May/08 Apr/21	Jun/09 May/22 May/02	Sep/14 Sep/21 Oct/13	Sep/26 Oct/11 Oct/25	Oct/08 Oct/31 Nov/07	145 176 203	127 155 186	108 135 170	44 36 27

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 (Aug 1 - Jul 31).  
(percent of days with temperatures at or below the threshold temperature)

Freeze / Frost Occurrence Data

All probabilities in whole percent. See notes for probability level description.  
- Indicates the probability of occurrence of threshold temperatureis less than indicated probability.

State And Station Name	Thresh hold (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			Prob abil ity (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
Oklahoma											
ADA	36 32 28	Mar28 Mar16 Feb28	Apr07 Mar30 Mar18	Apr17 Apr13 Apr05	Oct10 Oct21 Oct29	Oct25 Nov07 Nov15	Nov09 Nov24 Dec03	220 245 263	200 221 241	181 198 220	26 18 13
ALTUS IRRIG RES STATION	36 32 28	Mar29 Mar26 Mar12	Apr12 Apr05 Mar27	Apr25 Apr16 Apr12	Oct04 Oct14 Oct17	Oct20 Nov03 Nov09	Nov05 Nov22 Dec01	211 233 250	190 211 225	169 189 201	29 22 15
ALTUS DAM	36 32 28	Mar27 Mar22 Mar02	Apr10 Apr02 Mar22	Apr23 Apr13 Apr10	Oct03 Oct15 Oct23	Oct22 Nov03 Nov11	Nov09 Nov21 Nov29	219 235 258	194 215 233	170 194 208	30 23 15
ALVA	36 32 28	Apr02 Mar25 Mar15	Apr17 Apr07 Mar28	May01 Apr19 Apr11	Sep27 Oct13 Oct21	Oct15 Oct28 Nov08	Nov02 Nov13 Nov25	206 225 246	180 204 224	154 183 202	34 27 19
ANADARKO 3 E	36 32 28	Apr05 Mar28 Mar12	Apr19 Apr09 Mar28	May03 Apr20 Apr13	Sep27 Oct05 Oct18	Oct12 Oct23 Nov05	Oct27 Nov10 Nov24	197 219 247	175 197 221	154 175 196	31 25 18
ANTLERS	36 32 28	Mar29 Mar22 Feb27	Apr11 Apr04 Mar19	Apr24 Apr17 Apr08	Oct08 Oct17 Oct10	Oct21 Nov01 Nov20	Nov04 Nov16 Dec30	215 231 275	193 210 242	170 190 211	25 18 12
ARDMORE	36 32 28	Mar16 Mar01 Feb07	Apr01 Mar22 Mar04	Apr17 Apr12 Mar29	Oct19 Oct28 Nov07	Nov05 Nov15 Nov26	Nov21 Dec03 Dec15	240 264 295	217 237 267	195 211 238	20 14 8
ARNETT	36 32 28	Apr09 Mar30 Mar19	Apr23 Apr11 Apr01	May06 Apr23 Apr13	Sep26 Oct09 Oct22	Oct11 Oct24 Nov05	Oct25 Nov09 Nov20	190 214 238	170 195 218	151 176 198	38 31 23
BARNSDALL	36 32 28	Apr08 Mar26 Mar13	Apr21 Apr06 Mar27	May05 Apr18 Apr10	Sep27 Oct07 Oct20	Oct10 Oct24 Nov04	Oct23 Nov09 Nov18	189 220 241	171 200 221	153 180 202	31 25 18
BARTLESVILLE 2 W	36 32 28	Apr04 Mar23 Mar12	Apr18 Apr06 Mar27	May02 Apr19 Apr11	Sep25 Oct03 Oct20	Oct08 Oct22 Nov04	Oct22 Nov10 Nov19	194 221 244	173 199 221	151 176 198	31 24 18
BEAVER	36 32 28	Apr11 Apr01 Mar24	Apr28 Apr18 Apr10	May14 May05 Apr27	Sep21 Sep29 Oct12	Oct05 Oct14 Oct27	Oct20 Oct29 Nov11	181 202 225	160 179 199	138 156 173	43 37 29
BILLINGS	36 32 28	Apr04 Mar28 Mar13	Apr19 Apr09 Mar29	May03 Apr22 Apr13	Sep29 Oct07 Oct24	Oct16 Oct26 Nov10	Nov01 Nov14 Nov27	201 216 251	179 199 226	158 181 201	34 26 18
BIXBY	36 32 28	Apr03 Mar19 Mar07	Apr16 Apr02 Mar22	Apr29 Apr16 Apr07	Oct01 Oct10 Oct21	Oct16 Oct26 Nov10	Nov01 Nov11 Nov29	205 225 257	183 206 231	160 187 206	33 26 19
BLANCHARD 2 SSW	36 32 28	Mar26 Mar17 Mar03	Apr13 Apr02 Mar19	May01 Apr17 Apr04	Oct07 Oct18 Oct25	Oct23 Nov04 Nov12	Nov08 Nov22 Nov30	217 239 256	192 216 238	167 193 220	26 20 13

BOISE CITY 2 E	36	Ap/20	May/05	May/19	Sep/19	Oct/04	Oct/18	172	151	130	44
	32	Ap/11	Apr/27	May/13	Sep/27	Oct/12	Oct/26	190	167	144	36
BRISTOW	28	Ap/01	Ap/15	Apr/29	Oct/08	Oct/24	Nov/08	212	191	170	29
	36	Ap/06	Ap/19	May/02	Sep/27	Oct/12	Oct/26	192	175	157	29
BUFFALO	32	Mar/26	Apr/05	Apr/15	Oct/10	Oct/25	Nov/10	221	202	183	23
	28	Mar/08	Mar/25	Apr/11	Oct/17	Nov/06	Nov/25	252	225	198	16
CANTON	36	Ap/15	Apr/29	May/13	Sep/22	Oct/07	Oct/22	180	161	142	38
	32	Ap/06	Apr/16	Apr/26	Oct/02	Oct/16	Oct/30	197	182	167	30
CARNEGIE 5 NE	28	Mar/22	Apr/03	Apr/14	Oct/12	Oct/28	Nov/12	226	207	189	23
	36	Ap/05	Ap/17	Apr/30	Sep/29	Oct/14	Oct/28	198	179	160	30
CHANDLER 1	32	Mar/27	Apr/08	Apr/21	Oct/08	Oct/26	Nov/14	222	200	179	27
	28	Mar/18	Mar/30	Apr/12	Oct/24	Nov/08	Nov/22	242	222	201	20
CHATTANOOGA 3 NE	36	Mar/31	Apr/12	Apr/25	Oct/07	Oct/21	Nov/04	207	191	176	27
	32	Mar/20	Apr/02	Apr/15	Oct/19	Nov/03	Nov/19	232	214	196	20
CHEROKEE	28	Mar/04	Mar/20	Apr/05	Oct/26	Nov/14	Dec/02	261	238	215	14
	36	Mar/31	Apr/14	Apr/28	Oct/06	Oct/22	Nov/07	214	190	166	29
CHICKASHA EXPERIMENT STN	32	Mar/26	Apr/06	Apr/16	Oct/18	Nov/04	Nov/21	231	212	193	22
	28	Mar/05	Mar/22	Apr/08	Oct/25	Nov/12	Nov/30	259	234	210	15
CLAREMORE 2 ENE	36	Ap/07	Apr/20	May/04	Sep/27	Oct/14	Oct/31	198	176	153	34
	32	Ap/01	Apr/10	Apr/20	Oct/13	Oct/28	Nov/12	217	199	182	28
CLINTON	28	Mar/18	Mar/29	Apr/10	Oct/20	Nov/08	Nov/26	243	222	201	20
	36	Ap/04	Apr/15	Apr/27	Oct/01	Oct/17	Nov/03	205	185	165	29
CORDELL	32	Mar/21	Apr/03	Apr/17	Oct/14	Oct/29	Nov/12	227	208	189	22
	28	Mar/06	Mar/23	Apr/09	Oct/24	Nov/12	Nov/30	257	233	209	15
CLAREMORE 2 ENE	36	Ap/07	Apr/19	May/01	Sep/30	Oct/15	Oct/30	198	178	158	33
	32	Mar/21	Apr/04	Apr/17	Oct/13	Oct/28	Nov/12	226	207	187	26
CLINTON	28	Mar/12	Mar/27	Apr/11	Oct/24	Nov/12	Dec/02	254	229	205	19
	36	Ap/02	Apr/17	May/02	Oct/03	Oct/18	Nov/03	202	184	165	30
CORDELL	32	Mar/21	Apr/05	Apr/19	Oct/14	Oct/30	Nov/15	231	208	184	23
	28	Mar/08	Mar/25	Apr/10	Oct/23	Nov/10	Nov/28	252	229	207	16
CUSHING	36	Ap/01	Apr/14	Apr/26	Sep/30	Oct/18	Nov/05	208	187	166	31
	32	Mar/19	Apr/04	Apr/20	Oct/18	Nov/04	Nov/20	238	213	188	24
DUNCAN	28	Mar/07	Mar/23	Apr/09	Oct/24	Nov/11	Nov/28	253	232	210	16
	36	Mar/27	Apr/07	Apr/18	Oct/09	Oct/26	Nov/11	222	201	180	30
DUNCAN	32	Mar/22	Apr/02	Apr/13	Oct/22	Nov/07	Nov/24	240	218	197	22
	28	Mar/02	Mar/16	Mar/30	Oct/28	Nov/17	Dec/06	269	245	222	15
DURANT	36	Mar/29	Apr/07	Apr/16	Oct/16	Oct/30	Nov/13	221	205	190	25
	32	Mar/10	Mar/26	Apr/12	Oct/23	Nov/09	Nov/25	248	226	204	19
EL RENO 1 N	28	Feb/22	Mar/14	Apr/02	Nov/03	Nov/20	Dec/08	277	251	224	12
	36	Mar/26	Apr/09	Apr/23	Oct/11	Oct/26	Nov/11	222	200	177	25
EL RENO 1 N	32	Mar/12	Mar/28	Apr/14	Oct/15	Nov/04	Nov/25	246	220	195	18
	28	Feb/20	Mar/15	Apr/07	Oct/26	Nov/18	Dec/10	283	247	211	12
ELK CITY	36	Ap/02	Apr/14	Apr/27	Sep/30	Oct/17	Nov/04	209	185	162	30
	32	Mar/22	Apr/04	Apr/16	Oct/11	Oct/30	Nov/19	233	209	185	22
ENID	28	Mar/06	Mar/24	Apr/12	Oct/21	Nov/12	Dec/03	258	232	205	15
	36	Ap/05	Apr/18	May/02	Sep/30	Oct/17	Nov/04	202	181	161	32
ENID	32	Mar/23	Apr/05	Apr/18	Oct/10	Oct/27	Nov/13	223	204	186	24
	28	Mar/14	Mar/27	Apr/09	Oct/18	Nov/07	Nov/27	247	224	202	17
ERICK	36	Ap/03	Apr/14	Apr/26	Oct/05	Oct/21	Nov/05	204	188	172	29
	32	Mar/21	Apr/04	Apr/17	Oct/20	Nov/03	Nov/16	230	212	195	22
ERICK	28	Mar/05	Mar/24	Apr/13	Oct/25	Nov/11	Nov/28	253	231	209	15
	36	Ap/05	Apr/21	May/06	Sep/25	Oct/10	Oct/26	194	172	150	34
ERICK	32	Mar/25	Apr/07	Apr/20	Oct/04	Oct/24	Nov/12	223	199	175	27
	28	Mar/19	Mar/31	Apr/12	Oct/15	Nov/04	Nov/23	241	217	193	20

EUFULA 6 SSW	36	Mar17	Apr03	Apr19		Oct10	Nov01	Nov22	238	211	184	22
	32	Mar08	Mar22	Apr05		Oct27	Nov14	Dec01	258	236	214	15
	28	Feb20	Mar11	Mar29		Nov05	Nov22	Dec09	279	256	233	10
FORT SUPPLY 3 SE	36	Apr09	Apr26	May13		Sep25	Oct09	Oct23	188	165	143	38
	32	Mar30	Apr11	Apr24		Oct04	Oct19	Nov03	209	190	170	32
	28	Mar19	Apr01	Apr14		Oct19	Nov02	Nov16	234	214	195	24
FREDERICK	36	Mar25	Apr08	Apr23		Oct13	Oct30	Nov16	225	204	182	27
	32	Mar13	Mar29	Apr14		Oct21	Nov09	Nov27	244	224	204	20
	28	Feb25	Mar17	Apr05		Oct25	Nov16	Dec08	271	243	216	13
FREEDOM	36	Apr12	Apr26	May10		Sep23	Oct06	Oct19	179	162	145	39
	32	Apr05	Apr15	Apr26		Sep28	Oct14	Oct30	201	181	160	32
	28	Mar21	Apr05	Apr21		Oct09	Oct27	Nov14	229	204	178	25
GAGE AP	36	Apr12	Apr27	May12		Sep19	Oct06	Oct23	186	161	137	39
	32	Apr02	Apr15	Apr28		Sep24	Oct13	Nov01	206	181	155	32
	28	Mar21	Apr03	Apr15		Oct15	Oct31	Nov15	231	211	190	25
GATE	36	Apr11	Apr25	May09		Sep27	Oct14	Oct31	191	172	152	37
	32	Mar29	Apr12	Apr27		Oct08	Oct23	Nov08	213	193	173	30
	28	Mar20	Mar31	Apr12		Oct21	Nov04	Nov18	236	217	197	22
GEARY	36	Mar30	Apr14	Apr28		Oct01	Oct23	Nov14	220	191	163	29
	32	Mar16	Mar30	Apr13		Oct14	Nov04	Nov26	246	219	191	21
	28	Mar04	Mar22	Apr10		Oct25	Nov13	Dec02	256	235	214	14
GOODWELL RESEARCH STA	36	Apr19	May02	May15		Sep23	Oct07	Oct20	177	157	137	44
	32	Apr09	Apr25	May10		Oct01	Oct16	Oct31	194	174	153	37
	28	Mar30	Apr13	Apr27		Oct12	Oct27	Nov11	215	196	177	28
GREAT SALT PLAINS DAM	36	Apr03	Apr14	Apr25		Oct03	Oct19	Nov05	206	188	169	34
	32	Mar21	Apr02	Apr14		Oct20	Nov02	Nov15	231	214	197	27
	28	Mar08	Mar25	Apr11		Oct24	Nov11	Nov29	254	230	205	19
GUTHRIE 5 S	36	Apr01	Apr17	May03		Sep30	Oct18	Nov05	211	184	156	29
	32	Mar27	Apr07	Apr18		Oct13	Oct29	Nov14	224	204	184	22
	28	Mar09	Mar26	Apr12		Oct22	Nov10	Nov28	253	228	203	15
HAMMON 3 SSW	36	Apr11	Apr25	May09		Sep25	Oct09	Oct23	183	166	149	38
	32	Mar30	Apr14	Apr28		Sep30	Oct17	Nov02	206	185	164	32
	28	Mar22	Apr03	Apr15		Oct16	Oct31	Nov15	231	210	190	24
HANNA	36	Mar31	Apr12	Apr24		Oct03	Oct17	Nov01	207	188	168	26
	32	Mar19	Apr02	Apr17		Oct14	Oct29	Nov12	229	209	188	20
	28	Mar04	Mar21	Apr08		Oct26	Nov11	Nov28	260	235	209	13
HEALDTON	36	Mar26	Apr15	May05		Oct06	Oct21	Nov05	216	189	162	26
	32	Mar17	Apr03	May01		Oct15	Oct30	Nov14	233	209	186	20
	28	Mar08	Mar25	Apr11		Oct21	Nov10	Nov29	251	229	207	14
HELENA 1 SSE	36	Apr09	Apr20	May02		Oct02	Oct17	Oct31	198	179	160	36
	32	Mar29	Apr08	Apr19		Oct14	Oct28	Nov12	222	202	183	30
	28	Mar20	Apr01	Apr14		Oct21	Nov09	Nov27	246	221	195	21
HENNESSEY 4 ESE	36	Apr06	Apr19	May02		Oct03	Oct20	Nov06	203	183	163	31
	32	Mar28	Apr07	Apr18		Oct13	Oct30	Nov16	222	204	187	24
	28	Mar14	Mar28	Apr11		Oct23	Nov10	Nov28	249	226	203	16
HOBART MUNICIPAL AP	36	Apr01	Apr14	Apr28		Oct01	Oct21	Nov09	213	189	164	30
	32	Mar22	Apr04	Apr17		Oct13	Nov02	Nov23	236	212	187	23
	28	Mar01	Mar21	Apr10		Oct24	Nov13	Dec02	260	236	212	16
HOLDENVILLE 2 SSE	36	Mar28	Apr11	Apr24		Oct03	Oct22	Nov09	218	193	168	25
	32	Mar17	Mar31	Apr15		Oct15	Nov02	Nov21	237	216	194	19
	28	Feb25	Mar17	Apr06		Oct27	Nov14	Dec02	270	241	213	12
HOLLIS 5 E	36	Mar31	Apr13	Apr25		Oct01	Oct18	Nov03	207	187	167	31
	32	Mar26	Apr05	Apr15		Oct12	Oct31	Nov20	232	209	186	24
	28	Mar15	Mar28	Apr11		Oct23	Nov08	Nov24	244	224	205	17
HOOKER	36	Apr16	Apr30	May13		Sep23	Oct07	Oct22	182	160	138	42
	32	Apr03	Apr20	May06		Oct01	Oct16	Nov01	201	179	158	35
	28	Mar25	Apr07	Apr21		Oct16	Oct28	Nov10	221	203	185	27

HUGO	36	Mar23	Apr04	Apr16	Oct14	Oct30	Nov16	228	209	190	21
	32	Mar09	Mar24	Apr07	Oct23	Nov10	Nov27	252	230	208	14
	28	Feb14	Mar05	Mar24	Oct29	Nov20	Dec11	282	259	237	8
IDABEL	36	Mar27	Apr09	Apr21	Oct05	Oct23	Nov10	219	197	174	26
	32	Mar12	Mar29	Apr16	Oct20	Nov06	Nov22	244	221	197	18
	28	Feb20	Mar14	Apr06	Oct30	Nov15	Nov30	274	245	215	12
JEFFERSON	36	Apr10	Apr23	May07	Sep26	Oct12	Oct27	189	171	152	33
	32	Mar30	Apr12	Apr24	Sep29	Oct19	Nov08	214	190	166	27
	28	Mar20	Mar31	Apr12	Oct17	Nov05	Nov25	241	218	195	19
KANSAS 1 ESE	36	Apr02	Apr16	Apr30	Sep29	Oct16	Nov02	205	182	158	27
	32	Mar22	Apr04	Apr18	Oct16	Oct29	Nov12	225	207	189	21
	28	Mar13	Mar27	Apr10	Oct24	Nov11	Nov29	250	228	207	14
KENTON	36	Apr24	May07	May19	Sep18	Oct01	Oct13	164	146	129	46
	32	Apr12	Apr27	May12	Sep28	Oct12	Oct25	188	167	147	39
	28	Apr04	Apr16	Apr28	Oct03	Oct19	Nov03	204	185	166	31
KINGFISHER 2 SE	36	Apr04	Apr19	May04	Oct02	Oct18	Nov02	200	180	161	31
	32	Mar26	Apr07	Apr19	Oct13	Oct30	Nov15	226	205	183	24
	28	Mar11	Mar28	Apr13	Oct22	Nov08	Nov26	247	225	202	17
LAKE EUFAULA	36	Mar26	Apr06	Apr17	Oct16	Oct31	Nov16	226	207	189	25
	32	Mar09	Mar24	Apr08	Oct22	Nov12	Dec02	255	231	208	18
	28	Feb22	Mar10	Mar26	Nov06	Nov24	Dec13	283	258	234	12
LAWTON	36	Mar23	Apr06	Apr19	Oct09	Oct25	Nov10	219	202	184	28
	32	Mar16	Mar29	Apr11	Oct21	Nov07	Nov25	242	223	204	21
	28	Feb22	Mar12	Mar31	Nov02	Nov17	Dec02	273	249	225	14
LINDSAY 2 W	36	Mar30	Apr13	Apr26	Oct06	Oct19	Nov02	209	189	169	29
	32	Mar22	Apr04	Apr17	Oct14	Oct29	Nov14	228	207	187	22
	28	Mar12	Mar27	Apr10	Oct24	Nov11	Nov29	252	229	205	15
MADILL	36	Mar23	Apr05	Apr18	Oct15	Oct30	Nov14	225	207	189	22
	32	Mar10	Mar24	Apr08	Oct22	Nov09	Nov28	251	229	207	15
	28	Feb16	Mar09	Mar29	Nov03	Nov21	Dec09	287	256	226	9
MANGUM	36	Apr02	Apr15	Apr28	Oct01	Oct18	Nov04	205	185	165	31
	32	Mar28	Apr06	Apr14	Oct13	Nov02	Nov21	230	209	189	23
	28	Mar06	Mar24	Apr11	Oct24	Nov10	Nov27	254	230	206	16
MANNFORD 6 NW	36	Apr05	Apr21	May06	Sep25	Oct09	Oct23	189	171	152	30
	32	Mar26	Apr05	Apr15	Oct04	Oct22	Nov10	220	200	179	23
	28	Mar12	Mar27	Apr10	Oct19	Nov05	Nov22	245	223	200	16
MARIETTA 5 SW	36	Mar27	Apr06	Apr17	Oct13	Oct29	Nov14	223	205	187	22
	32	Mar14	Mar28	Apr12	Oct25	Nov09	Nov23	244	225	205	16
	28	Feb23	Mar13	Mar31	Oct28	Nov17	Dec06	274	248	222	10
MCALESTER MUNICIPAL AP	36	Mar24	Apr09	Apr26	Oct06	Oct25	Nov13	226	198	171	26
	32	Mar11	Mar28	Apr15	Oct15	Nov02	Nov21	247	218	189	19
	28	Feb24	Mar17	Apr06	Oct23	Nov16	Dec09	279	243	208	12
MC CURTAIN 1 SE	36	Mar29	Apr12	Apr26	Oct01	Oct18	Nov04	212	188	163	24
	32	Mar16	Mar29	Apr12	Oct11	Oct29	Nov16	235	213	190	17
	28	Feb27	Mar17	Apr04	Oct25	Nov12	Nov29	268	239	210	11
MEEKER 5 W	36	Apr05	Apr17	Apr30	Sep26	Oct16	Nov05	205	181	157	29
	32	Mar22	Apr03	Apr16	Oct14	Oct28	Nov10	225	207	189	22
	28	Mar09	Mar25	Apr10	Oct23	Nov11	Nov29	251	230	208	15
MIAMI	36	Apr08	Apr21	May04	Sep20	Oct07	Oct23	189	169	148	34
	32	Mar30	Apr11	Apr23	Oct07	Oct24	Nov10	218	196	173	27
	28	Mar16	Mar29	Apr11	Oct21	Nov08	Nov26	246	223	200	20
MUSKOGEE	36	Apr01	Apr14	Apr27	Oct06	Oct22	Nov07	212	190	169	26
	32	Mar16	Mar30	Apr13	Oct17	Nov02	Nov17	237	216	195	19
	28	Feb27	Mar16	Apr03	Oct29	Nov16	Dec05	270	244	218	13
MUTUAL	36	Apr11	Apr24	May07	Sep25	Oct10	Oct26	187	169	150	37
	32	Mar29	Apr11	Apr25	Oct07	Oct24	Nov10	214	195	175	30
	28	Mar19	Apr01	Apr13	Oct19	Nov05	Nov22	238	218	198	22



NEWKIRK 1 NW	36	Apr08	Apr23	May08	Sep29	Oct16	Nov02	197	176	154	32
	32	Mar27	Apr09	Apr22	Oct14	Oct29	Nov12	224	202	180	25
	28	Mar13	Mar26	Apr08	Oct24	Nov10	Nov27	248	229	209	17
NORMAN	36	Mar28	Apr13	Apr29	Oct07	Oct21	Nov04	213	190	167	28
	32	Mar19	Apr02	Apr15	Oct16	Nov02	Nov19	236	213	191	21
	28	Mar08	Mar22	Apr06	Oct25	Nov12	Dec01	259	234	210	14
NOWATA	36	Apr02	Apr15	Apr28	Sep28	Oct14	Oct30	203	181	160	30
	32	Mar21	Apr05	Apr21	Oct14	Oct29	Nov13	229	206	182	24
	28	Mar09	Mar23	Apr06	Oct22	Nov10	Nov28	255	231	207	16
OKEENE	36	Apr08	Apr20	May02	Sep29	Oct16	Nov02	198	178	157	32
	32	Mar26	Apr07	Apr18	Oct14	Oct31	Nov16	226	206	186	24
	28	Mar11	Mar26	Apr09	Oct21	Nov08	Nov27	249	227	205	17
OKEMAH	36	Mar22	Apr04	Apr16	Oct13	Oct30	Nov15	231	208	186	24
	32	Mar11	Mar27	Apr11	Oct23	Nov09	Nov26	250	227	204	17
	28	Feb19	Mar14	Apr06	Nov02	Nov19	Dec07	279	250	221	11
OKLAHOMA CITY AP	36	Mar27	Apr08	Apr21	Oct10	Oct25	Nov09	219	199	179	28
	32	Mar20	Apr01	Apr13	Oct18	Nov03	Nov19	238	215	193	20
	28	Mar05	Mar20	Apr05	Oct27	Nov14	Dec03	262	239	215	14
OKMULGEE WATER WORKS	36	Apr05	Apr17	Apr28	Sep23	Oct11	Oct29	199	177	154	30
	32	Mar19	Apr02	Apr17	Oct09	Oct26	Nov12	229	206	183	23
	28	Mar07	Mar25	Apr13	Oct16	Nov04	Nov24	254	223	193	17
PAULS VALLEY 4 WSW	36	Mar30	Apr14	Apr29	Oct06	Oct22	Nov06	212	190	169	27
	32	Mar19	Apr02	Apr16	Oct15	Nov01	Nov18	235	212	189	20
	28	Mar09	Mar25	Apr09	Oct24	Nov11	Nov28	252	230	208	14
PAWHUSKA	36	Apr11	Apr25	May10	Sep26	Oct10	Oct25	184	167	150	32
	32	Mar27	Apr06	Apr16	Oct10	Oct24	Nov07	218	200	183	25
	28	Mar14	Mar28	Apr11	Oct21	Nov04	Nov17	237	220	202	19
PERRY	36	Apr04	Apr16	Apr29	Oct01	Oct19	Nov06	207	185	163	30
	32	Mar21	Apr03	Apr15	Oct11	Oct29	Nov15	230	208	186	23
	28	Mar08	Mar24	Apr10	Oct23	Nov09	Nov26	249	229	209	16
PONCA CITY FAA AP	36	Apr06	Apr21	May05	Sep30	Oct18	Nov05	201	179	158	31
	32	Mar26	Apr06	Apr16	Oct13	Oct29	Nov14	228	206	184	24
	28	Mar12	Mar26	Apr10	Oct19	Nov09	Nov30	252	227	202	17
PRYOR	36	Apr08	Apr22	May06	Sep25	Oct11	Oct27	196	171	146	33
	32	Mar24	Apr06	Apr19	Oct12	Oct26	Nov10	220	203	186	27
	28	Mar09	Mar27	Apr15	Oct20	Nov07	Nov25	252	223	195	20
PURCELL	36	Apr03	Apr18	May02	Oct03	Oct18	Nov01	202	182	163	29
	32	Mar27	Apr07	Apr18	Oct12	Oct28	Nov13	222	204	185	22
	28	Mar12	Mar28	Apr14	Oct27	Nov11	Nov27	249	227	205	16
RALSTON	36	Apr09	Apr26	May13	Sep26	Oct09	Oct22	185	166	147	32
	32	Mar27	Apr05	Apr15	Oct05	Oct22	Nov08	219	199	179	25
	28	Mar14	Mar29	Apr14	Oct20	Nov03	Nov17	239	218	196	19
REYDON 2 SSE	36	Apr06	Apr22	May09	Sep23	Oct13	Nov02	199	173	146	34
	32	Mar25	Apr09	Apr24	Oct01	Oct21	Nov11	224	195	166	27
	28	Mar18	Mar29	Apr09	Oct12	Oct31	Nov20	237	215	193	19
SALLISAW 2 NW	36	Mar31	Apr15	Apr29	Oct02	Oct18	Nov02	211	186	161	26
	32	Mar19	Apr02	Apr15	Oct14	Nov04	Nov25	242	216	190	20
	28	Mar04	Mar22	Apr09	Oct29	Nov15	Dec02	267	237	208	13
SEMINOLE	36	Mar28	Apr10	Apr23	Oct10	Oct24	Nov08	218	197	176	25
	32	Mar14	Mar28	Apr11	Oct20	Nov05	Nov21	240	221	203	19
	28	Feb25	Mar15	Apr03	Oct28	Nov17	Dec06	274	245	217	13
SMITHVILLE	36	Apr07	Apr24	May12	Sep24	Oct08	Oct21	186	166	145	30
	32	Mar29	Apr12	Apr26	Oct03	Oct17	Oct31	209	187	165	23
	28	Mar17	Mar31	Apr14	Oct17	Nov03	Nov20	239	216	194	16
SPA/INAW	36	Apr01	Apr12	Apr24	Oct06	Oct21	Nov05	213	191	169	27
	32	Mar22	Apr03	Apr14	Oct16	Nov04	Nov24	235	215	194	20
	28	Mar08	Mar23	Apr06	Oct29	Nov15	Dec03	261	237	213	13

STILLWATER 2 W	36 32 28	Apr05 Mar25 Mar08	Apr17 Apr08 Mar25	Apr30 Apr21 Apr11	Sep26 Oct13 Oct23	Oct14 Oct28 Nov10	Oct31 Nov11 Nov28	199 223 253	179 202 229	158 182 205	32 26 18
STILWELL 5 NNW	36 32 28	Apr10 Mar31 Mar15	Apr24 Apr11 Mar29	May08 Apr23 Apr13	Sep26 Oct05 Oct23	Oct09 Oct23 Nov08	Oct23 Nov10 Nov24	187 215 244	168 194 223	149 173 202	28 21 15
TAHLEQUAH	36 32 28	Apr05 Mar25 Mar11	Apr21 Apr07 Mar28	May07 Apr20 Apr13	Sep25 Oct09 Oct18	Oct12 Oct26 Nov05	Oct29 Nov12 Nov24	197 222 244	173 201 222	149 180 199	28 21 15
TALOGA	36 32 28	Apr13 Mar31 Mar22	Apr26 Apr14 Apr04	May09 Apr29 Apr18	Sep23 Sep30 Oct18	Oct06 Oct15 Nov02	Oct20 Oct30 Nov17	179 201 233	162 183 211	146 165 189	36 29 21
TULSA INTL AP	36 32 28	Mar25 Mar14 Feb23	Apr07 Mar27 Mar14	Apr19 Apr08 Apr02	Oct11 Oct23 Oct30	Oct25 Nov07 Nov17	Nov09 Nov22 Dec05	222 243 274	201 225 248	180 206 221	27 20 13
TUSKAHOMA	36 32 28	Apr09 Mar29 Mar16	Apr21 Apr09 Mar29	May03 Apr21 Apr12	Sep25 Oct09 Oct19	Oct10 Oct24 Nov07	Oct25 Nov09 Nov26	191 217 245	171 197 221	152 177 198	26 20 14
VINITA 2 N	36 32 28	Apr09 Mar27 Mar14	Apr22 Apr09 Mar28	May05 Apr21 Apr12	Sep26 Oct07 Oct18	Oct11 Oct23 Nov05	Oct26 Nov08 Nov24	192 215 248	171 197 221	150 178 195	31 24 18
WAGONER	36 32 28	Apr02 Mar18 Mar03	Apr15 Apr01 Mar20	Apr27 Apr14 Apr05	Oct04 Oct20 Oct25	Oct22 Nov04 Nov14	Nov08 Nov18 Dec04	210 237 265	189 216 239	168 196 212	26 19 13
WALTERS	36 32 28	Mar28 Mar20 Mar02	Apr12 Apr01 Mar19	Apr26 Apr14 Apr06	Oct06 Oct16 Oct26	Oct23 Nov03 Nov13	Nov09 Nov20 Dec01	218 235 260	194 215 238	170 194 215	27 20 13
WATONGA	36 32 28	Apr05 Mar27 Mar11	Apr20 Apr06 Mar27	May05 Apr17 Apr12	Sep28 Oct14 Oct24	Oct14 Oct29 Nov09	Oct30 Nov14 Nov26	195 224 247	177 205 227	158 187 206	31 24 16
WAURIKA	36 32 28	Mar28 Mar17 Feb25	Apr09 Mar30 Mar17	Apr21 Apr13 Apr06	Oct10 Oct18 Oct26	Oct25 Nov04 Nov15	Nov10 Nov20 Dec04	219 238 266	199 218 242	178 198 218	24 18 11
WAYNOKA 3 S	36 32 28	Apr07 Mar28 Mar15	Apr22 Apr12 Mar31	May07 Apr27 Apr16	Sep23 Oct02 Oct20	Oct08 Oct19 Nov03	Oct23 Nov05 Nov16	192 214 236	169 189 216	145 165 196	35 28 21
WEATHERFORD	36 32 28	Mar30 Mar20 Mar07	Apr13 Apr03 Mar24	Apr26 Apr16 Apr10	Oct01 Oct17 Oct24	Oct19 Nov03 Nov11	Nov05 Nov20 Nov29	210 238 255	188 213 231	167 188 207	31 24 16
WEBBERS FALLS 5 WSW	36 32 28	Apr01 Mar18 Mar03	Apr13 Apr02 Mar20	Apr26 Apr17 Apr05	Oct05 Oct14 Oct23	Oct20 Oct31 Nov10	Nov03 Nov16 Nov28	210 233 262	189 211 234	167 189 207	30 23 16
WICHITA MTN WL REF	36 32 28	Apr01 Mar24 Mar11	Apr17 Apr06 Mar29	May03 Apr19 Apr17	Sep27 Oct14 Oct23	Oct13 Oct27 Nov10	Oct29 Nov09 Nov28	202 216 247	179 203 225	157 189 202	31 24 17
WILBURTON 9 ENE	36 32 28	Apr05 Mar27 Mar14	Apr18 Apr08 Mar28	May01 Apr20 Apr12	Sep23 Oct08 Oct18	Oct08 Oct23 Nov06	Oct24 Nov07 Nov25	192 220 247	173 198 222	153 175 197	28 21 15

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 (Aug 1 - Jul 31).  
(percent of days with temperatures at or below the threshold temperature)

Freeze / Frost Occurrence Data

All probabilities in whole percent. See notes for probability level description.  
- Indicates the probability of occurrence of threshold temperatureis less than indicated probability.

State And Station Name	Thresh old (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			Prob abil ity  (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
Oregon		May31 32 32 28	Jun19 Jun06 May11	Jul07 Jun27 Jun05	Aug20 Aug29 Sep03	Sep08 Sep17 Sep29	Sep27 Oct05 Oct25	113 137 182	81 102 140	48 67 97	58 45 31
ADEL		May31 32 32 28	Jun19 Jun06 May11	Jul07 Jun27 Jun05	Aug21 Sep07 Sep24	Sep10 Sep25 Oct13	Oct01 Oct14 Nov01	105 139 181	76 114 154	48 89 126	52 39 25
ALKALI LAKE		Jun14 32 32 28	Jul04 Jun18 May25	Jul24 Jul07 Jun11	Aug14 Aug19 Sep03	Aug28 Sep09 Sep22	Sep10 Sep30 Oct12	79 111 147	54 82 119	30 54 92	63 52 40
ANTELOPE 1 NW		Jun08 32 32 28	Jun25 Jun02 May11	Jul13 Jun16 May31	Aug21 Sep07 Sep24	Sep10 Sep25 Oct13	Oct01 Oct14 Nov01	105 139 181	76 114 154	48 89 126	52 39 25
ARLINGTON		Apr11 32 32 28	Apr29 Apr12 Mar26	May17 May06 Apr20	Sep16 Oct01 Oct14	Oct05 Oct16 Nov02	Oct25 Oct31 Nov21	192 215 257	159 186 221	125 157 185	32 20 12
ASHLAND		May12 32 32 28	May30 May07 Apr11	Jun17 May24 May07	Sep11 Sep20 Oct15	Sep26 Oct08 Nov02	Oct12 Oct27 Nov20	148 179 239	119 154 205	90 128 170	41 27 14
ASTORIA CLATSOP CO AP		Apr15 32 32 28	May01 Apr08 Feb13	May18 Apr30 Mar19	Sep27 Oct14 Nov11	Oct13 Nov10 Dec11	Oct28 Dec08 Jan19	189 252 >365	164 216 301	138 180 250	19 9 3
AUSTIN 3 S		Jul17 32 32 28	Jul25 Jul15 Jun22	Aug02 Jul28 Jul13	Jul31 Aug01 Aug14	Aug06 Aug17 Aug30	Aug11 Sep03 Sep15	21 51 93	11 32 69	1 14 44	81 70 54
BAKER		Jun09 32 32 28	Jun26 Jun03 May12	Jul13 Jun27 May28	Aug18 Sep02 Sep11	Sep02 Sep13 Sep26	Sep17 Sep25 Oct11	92 128 159	68 102 137	43 75 114	60 49 37
BANDON 2 NNE		Apr14 32 32 28	May06 Apr02 Feb02	May28 May07 Mar18	Sep19 Oct15 Nov08	Oct17 Nov16 Dec15	Nov14 Dec19 -	205 285 >365	163 227 316	121 170 261	17 7 2
BARNES STATION		Jun27 32 32 28	Jul12 Jun30 Jun06	Jul27 Jul17 Jun29	Aug06 Aug17 Aug31	Aug20 Sep03 Sep17	Sep04 Sep20 Oct05	59 90 135	39 64 102	18 37 70	65 53 38
BELKNAP SPRINGS 8 N		May14 32 32 28	Jun04 May14 Apr12	Jun25 Jun02 May03	Sep03 Sep25 Oct10	Sep22 Oct13 Nov03	Oct10 Oct31 Nov26	140 176 235	109 151 204	77 127 173	51 36 14
BEND		Jun26 32 32 28	Jul11 Jun24 May31	Jul25 Jul14 Jun23	Aug05 Aug21 Sep07	Aug23 Sep07 Sep21	Sep09 Sep24 Oct05	67 101 145	42 74 113	18 46 81	62 49 35
BEULAH		May31 32 32 28	Jun16 May27 May07	Jul03 Jun15 May28	Aug29 Sep07 Sep18	Sep11 Sep23 Oct02	Sep24 Oct09 Oct15	105 142 170	86 119 147	67 95 124	58 49 37
BOARDMAN		Apr17 32 32 28	May02 Apr14 Apr01	May17 Apr30 Apr19	Sep17 Sep29 Oct09	Oct01 Oct12 Oct25	Oct16 Oct25 Nov09	176 202 232	152 180 206	128 158 179	38 26 15

BONNEVILLE DAM	36	Mar12	Apr09	May07	Oct23	Nov14	Dec06	256	218	179	20
	32	Feb05	Mar12	Apr17	Nov04	Nov28	Dec21	304	260	215	9
	28	Jan01	Feb06	Mar10	Nov20	Dec22	Jan26	>365	318	278	4
BROOKINGS 2 SE	36	Mar05	Apr04	May03	Nov07	Dec02	Dec27	279	242	204	6
	32	-	Feb03	Mar22	Nov21	Jan04	-	>365	361	252	1
	28	-	-	Jan22	Dec30	-	-	>365	>365	>365	0
BROTHERS	36	Jul11	Jul22	Aug02	Jul29	Aug11	Aug25	39	20	1	73
	32	Jun26	Jul12	Aug02	Jul31	Aug17	Sep04	62	35	8	61
	28	Jun12	Jul03	Jul24	Aug05	Aug29	Sep22	89	56	23	47
CASCADIA	36	May06	May27	Jun17	Aug31	Sep21	Oct12	145	117	88	37
	32	Apr10	May08	Jun05	Sep14	Oct04	Oct23	180	148	116	23
	28	Feb21	Mar24	Apr23	Oct12	Nov08	Dec05	267	228	190	8
CAVE JUNCTION 1 WNW	36	May14	Jun02	Jun20	Sep01	Sep22	Oct13	140	111	83	37
	32	Mar16	May06	May27	Sep23	Oct12	Nov01	187	158	130	22
	28	Mar16	Apr08	May01	Oct09	Nov12	Dec16	256	218	179	7
CHEMULT	36	Jul14	Jul25	Aug04	Jul31	Aug04	Aug09	22	10	0	82
	32	Jun30	Jul17	Aug03	Jul30	Aug09	Aug21	44	23	1	70
	28	Jun12	Jul05	Jul28	Aug03	Aug22	Sep10	77	47	17	53
CLATSKANIE	36	Apr22	May10	May28	Sep25	Oct13	Oct31	178	155	132	28
	32	Apr01	Apr17	May04	Oct05	Oct28	Nov20	226	193	159	15
	28	Jan30	Mar03	Apr04	Oct25	Nov21	Dec17	308	262	216	6
CLOVERDALE	36	Apr15	May12	Jun08	Oct01	Oct18	Nov05	191	159	126	19
	32	Mar15	Apr08	May03	Oct22	Nov17	Dec13	262	222	183	8
	28	Dec18	Feb07	Mar25	Nov06	Dec13	Jan22	>365	305	247	3
CONDON	36	Jun01	Jun22	Jul13	Aug27	Sep13	Sep29	110	82	54	52
	32	May12	May26	Jun10	Sep16	Sep30	Oct15	144	126	108	39
	28	Apr14	May07	May29	Sep27	Oct12	Oct28	183	158	133	25
COQUILLE CITY	36	Apr22	May16	Jun09	Sep18	Oct10	Nov01	181	147	112	23
	32	Mar07	Apr05	May04	Oct09	Nov06	Dec04	255	214	173	11
	28	Dec21	Jan27	Mar05	Nov02	Dec02	Dec31	361	308	259	4
CORVALLIS STATE UNIV	36	May01	May18	Jun03	Sep23	Oct09	Oct24	163	143	124	27
	32	Mar31	Apr20	May11	Oct04	Oct27	Nov20	222	189	157	14
	28	Jan22	Feb27	Apr05	Oct22	Nov22	Dec23	319	267	215	6
CORVALLIS WATER BUREAU	36	May01	May16	Jun01	Sep19	Oct10	Nov01	172	146	120	33
	32	Apr05	Apr24	May12	Oct13	Oct31	Nov18	219	190	160	19
	28	Jan14	Feb20	Mar29	Oct29	Nov22	Dec16	323	274	226	7
COTTAGE GROVE 1 NNE	36	May13	Jun09	Jul06	Aug16	Sep12	Oct08	138	94	50	34
	32	Apr17	May16	Jun13	Sep06	Oct04	Oct31	181	140	100	19
	28	Mar04	Apr09	May15	Oct07	Nov12	Dec18	270	216	162	7
COTTAGE GROVE DAM	36	Apr25	May12	May29	Sep21	Oct10	Oct29	178	150	122	33
	32	Mar19	Apr12	May06	Oct13	Nov01	Nov21	231	203	174	18
	28	Jan27	Feb27	Mar30	Oct25	Nov22	Dec20	310	267	225	7
COVE	36	Jun04	Jun25	Jul16	Aug28	Sep08	Sep18	100	74	48	58
	32	May09	May29	Jun18	Sep06	Sep18	Sep30	136	111	87	45
	28	Apr02	Apr29	May26	Sep13	Sep28	Oct14	187	152	117	31
CRATER LAKE NATL PARK HQ	36	Jul11	Jul21	Jul31	Jul31	Aug11	Aug23	38	20	2	80
	32	Jun27	Jul11	Jul25	Jul31	Aug19	Sep07	64	38	12	68
	28	Jun08	Jun27	Jul16	Aug22	Sep13	Oct06	106	78	49	53
DALLAS 2 NE	36	May02	May19	Jun06	Sep08	Sep28	Oct18	159	131	103	29
	32	Apr04	Apr28	May21	Oct01	Oct22	Nov12	209	177	144	16
	28	Feb07	Mar15	Apr19	Oct25	Nov18	Dec12	294	248	201	6
DANNER	36	Jun12	Jun30	Jul18	Aug09	Aug26	Sep12	85	56	28	63
	32	May21	Jun13	Jul06	Aug24	Sep08	Sep23	115	87	58	53
	28	May03	May24	Jun14	Sep05	Sep19	Oct03	143	117	92	42
DETROIT DAM	36	Apr12	May03	May23	Oct13	Nov03	Nov24	217	184	151	27
	32	Feb19	Mar19	Apr16	Nov05	Nov25	Dec15	289	251	212	9
	28	-	Jan31	Mar05	Nov13	Dec18	-	>365	318	268	3

DORENA DAM	36 32 28	Apr/24 Mar/31 Feb/22	May/19 Apr/22 Mar/24	Jun/14 May/14 Apr/22	Sep/15 Sep/27 Oct/14	Oct/04 Oct/22 Nov/13	Oct/22 Nov/16 Dec/13	168 215 268	137 182 233	105 149 199	33 18 7
DRAIN	36 32 28	Apr/15 Mar/16 Jan/05	May/08 Apr/12 Feb/18	Jun/01 May/09 Apr/04	Sep/16 Oct/01 Oct/25	Oct/07 Oct/27 Dec/08	Oct/29 Nov/22 Jan/21	186 234 >365	151 197 287	117 160 230	25 11 4
DREWSEY	36 32 28	Jun/16 May/31 May/06	Jul/04 Jun/19 May/25	Jul/22 Jul/08 Jun/13	Aug/05 Aug/16 Aug/29	Aug/21 Sep/01 Sep/14	Sep/06 Sep/17 Sep/29	70 96 132	48 73 111	25 51 90	64 55 43
DUFUR	36 32 28	May/25 May/04 Apr/11	Jun/15 May/25 May/02	Jul/06 Jun/15 May/24	Aug/29 Sep/18 Sep/28	Sep/15 Oct/02 Oct/14	Oct/02 Oct/16 Oct/29	122 152 192	91 130 163	61 107 135	51 38 23
ELGIN	36 32 28	Jun/16 Jun/13 Apr/21	Jul/06 Jun/05 May/14	Jul/27 Jun/27 Jun/05	Aug/07 Aug/19 Sep/06	Aug/22 Sep/05 Sep/20	Sep/06 Sep/22 Oct/04	68 122 155	46 92 129	24 62 103	60 45 30
ELKTON 3 SW	36 32 28	Mar/28 Feb/08 -	Apr/25 Mar/18 Feb/03	May/24 Apr/26 Mar/06	Sep/22 Oct/13 Nov/03	Oct/18 Nov/16 Dec/26	Nov/13 Dec/21 -	214 298 >365	175 242 330	135 187 257	18 7 2
ENTERPRISE 20 NNE	36 32 28	Jul/03 Jun/11 May/01	Jul/17 Jun/29 May/30	Jul/31 Jul/17 Jun/28	Jul/31 Aug/11 Sep/01	Aug/14 Aug/28 Sep/12	Aug/28 Sep/14 Sep/23	45 83 138	28 59 104	10 36 70	70 57 42
ESTACADA 2 SE	36 32 28	Apr/08 Mar/06 Jan/20	May/03 Apr/03 Feb/18	May/27 May/02 Mar/18	Oct/03 Oct/20 Nov/05	Oct/17 Nov/13 Dec/04	Nov/01 Dec/06 Jan/01	196 263 333	167 223 287	137 182 245	23 11 4
EUGENE MAHLON SWEET AP	36 32 28	May/01 Mar/22 Feb/11	May/22 Apr/22 Mar/10	Jun/11 May/24 Apr/06	Sep/20 Sep/30 Oct/19	Oct/06 Oct/19 Nov/23	Oct/21 Nov/08 Dec/27	158 215 302	136 179 257	114 144 211	28 15 6
FALLS CITY NO 2	36 32 28	May/01 Apr/06 Feb/04	May/24 Apr/29 Mar/14	Jun/16 May/21 Apr/22	Sep/18 Oct/07 Oct/26	Oct/08 Oct/26 Nov/22	Oct/27 Nov/14 Dec/18	171 208 308	137 180 251	102 151 195	34 20 8
FERN RIDGE DAM	36 32 28	Apr/14 Feb/26 Jan/19	May/06 Apr/03 Feb/14	May/29 May/09 Mar/12	Sep/28 Oct/12 Nov/02	Oct/19 Nov/02 Dec/02	Nov/10 Nov/23 Dec/31	198 257 327	165 212 290	133 168 253	28 14 5
FOREST GROVE	36 32 28	Apr/19 Mar/30 Feb/12	May/10 Apr/23 Mar/11	Jun/01 May/16 Apr/07	Sep/21 Oct/07 Oct/23	Oct/05 Oct/24 Nov/18	Oct/19 Nov/10 Dec/13	173 212 289	147 183 251	121 154 213	29 16 7
FOSSIL	36 32 28	Jun/12 May/09 Apr/25	Jul/05 Jun/08 May/24	Jul/27 Jun/08 Jun/22	Aug/06 Aug/25 Sep/09	Aug/28 Sep/13 Oct/02	Sep/18 Oct/02 Oct/24	87 134 168	53 96 130	19 58 91	56 41 27
FOSTER DAM	36 32 28	Apr/20 Mar/12 Jan/29	May/12 Apr/03 Feb/19	Jun/03 Apr/25 Mar/12	Sep/14 Oct/01 Oct/30	Oct/07 Oct/26 Nov/24	Oct/29 Nov/20 Dec/19	179 237 314	147 205 277	114 173 240	26 13 6
GOLD BEACH RANGER STN	36 32 28	Mar/05 - -	Apr/12 Feb/20 Dec/04	May/20 Apr/21 Feb/27	Oct/27 Nov/09 Dec/15	Nov/20 Dec/18 Feb/21	Dec/15 - -	267 >365 >365	221 297 >365	176 231 315	9 2 0
GOVERNMENT CAMP	36 32 28	Jun/11 May/22 Apr/20	Jul/01 Jun/09 May/08	Jul/20 Jun/27 May/26	Aug/14 Sep/06 Sep/30	Sep/02 Sep/24 Oct/18	Sep/21 Oct/12 Nov/05	91 131 190	63 107 162	34 82 134	60 47 28
GRANTS PASS	36 32 28	May/06 Apr/09 Feb/19	May/23 Apr/28 Mar/24	Jun/10 May/17 Apr/27	Sep/10 Sep/15 Oct/12	Sep/29 Oct/15 Nov/16	Oct/19 Nov/13 Dec/20	158 209 295	128 169 235	99 130 176	32 18 7
GRIZZLY	36 32 28	Jul/05 Jun/14 May/22	Jul/19 Jul/06 Jun/14	Aug/02 Jul/28 Jul/07	Jul/29 Aug/07 Aug/27	Aug/12 Aug/25 Sep/16	Aug/27 Sep/11 Oct/06	44 77 127	23 49 93	2 21 60	68 53 37
HALFWAY	36 32 28	Jun/14 May/20 Apr/28	Jun/28 Jun/09 May/16	Jul/13 Jun/29 Jun/03	Aug/15 Aug/29 Sep/12	Aug/31 Sep/12 Sep/27	Sep/16 Sep/27 Oct/11	86 122 155	63 95 133	40 68 111	61 51 36

HART MOUNTAIN REFUGE	36 32 28	Jul04 Jun26 May30	Jul17 Jul10 Jun19	Jul29 Jul23 Jun09	Aug01 Aug08 Aug21	Aug13 Aug24 Sep09	Aug25 Sep08 Sep28	45 67 111	26 44 81	8 21 51	70 58 44
HEADWORKS PTLD WTR BUR	36 32 28	Apr11 Mar10 Dec30	Apr29 Apr05 Feb05	May17 May02 Mar14	Oct02 Oct22 Nov04	Oct24 Nov16 Dec08	Nov14 Dec12 Jan11	207 267 358	177 224 303	147 182 260	22 10 3
HEPPNER	36 32 28	May09 Apr17 Mar22	May27 May02 Apr12	Jun15 May17 May03	Sep11 Sep23 Oct06	Sep26 Oct09 Oct23	Oct10 Oct24 Nov09	146 185 222	121 159 193	95 132 164	42 29 17
HILLSBORO	36 32 28	Apr12 Mar13 Jan17	May05 Apr11 Feb21	May28 May10 Mar29	Sep21 Oct05 Oct24	Oct11 Oct31 Nov21	Oct30 Nov27 Dec20	190 246 327	158 203 271	125 159 220	27 14 6
HONEYMAN STATE PARK	36 32 28	Apr11 Feb24 Dec10	May02 Mar30 Jan29	May23 May04 Mar09	Oct08 Oct23 Nov09	Oct30 Nov21 Dec18	Nov22 Dec19 Feb05	214 283 >365	180 234 318	147 186 268	17 7 2
HOOD RIVER EXP STN	36 32 28	May03 Apr05 Mar03	May21 Apr26 Mar26	Jun07 May18 Apr17	Sep10 Sep24 Oct03	Sep24 Oct09 Oct23	Oct08 Oct25 Nov12	147 193 241	126 165 210	104 137 179	39 25 11
HOWARD PRAIRIE DAM	36 32 28	Jun18 May30 Apr27	Jul06 Jun18 May17	Jul24 Jul07 Jun06	Aug05 Aug28 Sep14	Aug26 Sep15 Oct04	Sep15 Oct04 Oct25	80 116 166	50 89 140	20 62 114	67 55 37
HUNTINGTON	36 32 28	Apr23 Apr06 Mar19	May17 Apr28 Apr10	Jun10 May19 May01	Sep16 Sep22 Oct09	Sep29 Oct06 Oct23	Oct11 Oct21 Nov06	157 186 220	134 161 195	111 136 170	46 37 26
IDLEYLD PARK 4 NE	36 32 28	May16 Apr24 Feb22	Jun07 May16 Mar26	Jun29 Jun08 Apr27	Aug27 Sep11 Oct12	Sep16 Oct03 Nov08	Oct06 Oct26 Dec05	131 170 265	100 139 226	69 108 187	35 21 7
ILLAHE	36 32 28	Apr05 Feb17 -	May01 Mar28 Feb01	May27 May05 Mar16	Sep24 Oct10 Nov18	Oct26 Nov17 Dec18	Nov27 Dec25 -	224 289 >365	177 233 326	130 177 254	20 8 3
IRONSIDE 2 W	36 32 28	Jun13 May19 Apr20	Jun27 Jun03 May12	Jul10 Jun19 Jun03	Aug21 Sep01 Sep17	Sep07 Sep19 Oct04	Sep25 Oct06 Oct20	94 127 172	72 106 144	50 86 116	60 51 40
JOHN DAY	36 32 28	May24 May05 Apr11	Jun13 May24 May02	Jul04 Jun13 May22	Aug22 Sep06 Sep18	Sep06 Sep21 Oct05	Sep21 Oct07 Oct23	111 147 182	84 119 156	57 92 129	55 44 30
KENT	36 32 28	May29 May09 Apr21	Jun17 May28 May08	Jul06 Jun17 May25	Sep02 Sep16 Oct04	Sep18 Oct04 Oct20	Oct05 Oct22 Nov06	117 153 188	92 128 164	68 102 140	52 39 25
KLAMATH FALLS 2 SSW	36 32 28	Jun11 May14 Apr22	Jun29 Jun07 May18	Jul18 Jul01 Jun12	Aug16 Aug25 Sep22	Sep07 Sep18 Oct10	Sep29 Oct12 Oct27	104 141 176	69 103 144	34 64 112	56 44 31
KLAMATH FALLS AG STA	36 32 28	Jun13 May24 Apr29	Jun27 Jun11 May24	Jul12 Jun29 Jun17	Aug27 Sep05 Sep21	Sep10 Sep21 Oct05	Sep23 Oct06 Oct18	96 127 158	73 101 133	51 75 108	62 50 37
LA GRANDE	36 32 28	May15 Apr23 Apr07	Jun07 May21 Apr27	Jun30 Jun18 May18	Aug27 Sep11 Sep24	Sep14 Sep24 Oct08	Oct01 Oct08 Oct23	131 155 191	98 125 163	65 96 136	49 37 23
LAKEVIEW 2 NNW	36 32 28	Jun16 May21 May03	Jul02 Jun12 May22	Jul18 Jul03 Jun11	Aug11 Aug30 Sep15	Aug31 Sep18 Oct02	Sep19 Oct06 Oct19	85 126 159	59 97 132	34 68 105	59 48 33
LEABURG 1 SW	36 32 28	Apr23 Mar25 Jan08	May12 Apr13 Feb15	Jun01 May02 Mar25	Sep23 Oct15 Nov04	Oct12 Nov07 Nov30	Nov01 Nov30 Dec27	179 236 333	152 207 285	125 178 242	27 14 4
LONG CREEK	36 32 28	Jun22 May24 Apr28	Jul08 Jun15 May21	Jul24 Jul08 Jun14	Aug06 Aug27 Sep10	Aug24 Sep10 Sep25	Sep10 Sep24 Oct10	71 111 157	46 86 126	21 60 96	61 48 32

LOOKOUT POINT DAM	36 32 28	Apr06 Feb13 Dec20	Apr29 Mar19 Jan30	May21 Apr21 Mar03		Oct08 Oct26 Nov09	Nov02 Nov18 Dec08	Nov27 Dec10 Jan13	220 285 >365	187 243 311	153 201 268	20 9 3
LOST CREEK DAM	36 32 28	May10 Apr22 Mar19	May30 May11 Apr11	Jun19 May30 May04		Sep05 Sep19 Oct01	Sep22 Oct08 Oct28	Oct10 Oct27 Nov25	147 177 234	115 149 200	82 121 166	44 30 15
MADRAS	36 32 28	Jun08 May19 Apr30	Jun27 Jun06 May16	Jul15 Jun25 Jun02		Aug16 Aug30 Sep15	Sep01 Sep14 Sep29	Sep17 Sep30 Oct14	87 123 158	66 99 135	44 75 112	55 42 30
MADRAS 2 N	36 32 28	May28 May08 Apr12	Jun15 May25 May02	Jul02 Jun12 May21		Aug31 Sep12 Sep29	Sep16 Sep29 Oct14	Oct02 Oct16 Oct28	119 155 191	92 126 164	66 98 137	53 40 26
MALHEUR BRANCH EXP STN	36 32 28	Apr26 Apr16 Mar17	May22 May01 Apr09	Jun16 May17 May01		Sep13 Sep18 Oct04	Sep24 Oct03 Oct17	Oct05 Oct18 Oct29	153 177 216	125 154 190	97 131 164	49 39 26
MALHEUR REFUGE HDQ	36 32 28	Jun11 May20 Apr29	Jun30 Jun08 May20	Jul18 Jun28 Jun10		Aug14 Aug21 Sep02	Aug31 Sep08 Sep21	Sep18 Sep26 Oct09	92 121 150	62 91 123	31 60 95	61 51 39
MALIN 5 E	36 32 28	Jun15 May31 May05	Jul04 Jun17 May25	Jul23 Jul04 Jun15		Aug08 Sep02 Sep17	Aug31 Sep20 Oct05	Sep24 Oct07 Oct24	92 120 162	58 94 132	23 68 103	59 47 33
MARION FRKS FISH HATCH	36 32 28	May26 May06 Apr02	Jun15 May28 Apr23	Jul06 Jun18 May13		Aug18 Sep04 Sep26	Sep03 Sep23 Oct15	Sep19 Oct12 Nov02	107 149 196	79 118 174	51 86 152	59 43 19
MASON DAM	36 32 28	Jun24 Jun04 May04	Jul11 Jun21 May27	Jul28 Jul08 Jun19		Aug02 Aug19 Sep07	Aug23 Sep08 Sep22	Sep12 Sep29 Oct06	71 107 146	42 79 117	13 51 87	68 57 44
MC DERMITT 26 N	36 32 28	Jun15 May26 May09	Jul04 Jun19 May30	Jul22 Jul13 Jun20		Aug11 Aug18 Aug31	Aug27 Sep05 Sep19	Sep13 Sep23 Oct07	81 110 135	54 77 111	27 45 87	61 50 38
MC KENZIE BRIDGE R S	36 32 28	May14 Apr27 Apr02	Jun08 May19 Apr23	Jul04 Jun10 May14		Aug23 Sep06 Sep27	Sep12 Sep30 Oct25	Oct02 Oct24 Nov22	132 170 220	95 133 185	57 97 149	47 33 15
MC MINNVILLE	36 32 28	Apr22 Mar23 Feb10	May22 Apr23 Mar20	Jun21 May23 Apr28		Sep18 Sep30 Oct22	Oct06 Oct24 Nov19	Oct23 Nov17 Dec18	171 229 299	136 184 244	100 138 188	28 15 6
MEDFORD EXPERIMENT STN	36 32 28	May11 Apr22 Mar05	May31 May12 Mar28	Jun21 May31 Apr20		Sep03 Sep15 Oct07	Sep21 Oct03 Oct26	Oct09 Oct20 Nov14	144 167 240	112 143 211	80 119 182	41 27 12
MEDFORD AP	36 32 28	Apr30 Apr08 Feb27	May16 Apr27 Mar26	Jun01 May17 Apr21		Sep20 Oct03 Oct20	Oct04 Oct20 Nov11	Oct17 Nov05 Dec03	159 203 261	140 175 230	121 147 198	34 21 10
MILTON FREEWATER	36 32 28	Apr07 Mar14 Feb21	Apr24 Apr02 Mar16	May10 Apr22 Apr08		Sep18 Sep28 Oct09	Oct04 Oct15 Oct31	Oct19 Nov02 Nov22	190 226 263	162 195 228	134 165 193	31 21 13
MONUMENT 2	36 32 28	May25 May03 Apr11	Jun11 May23 Apr28	Jun28 Jun11 May14		Aug27 Sep09 Sep19	Sep09 Sep21 Oct06	Sep23 Oct04 Oct22	112 144 185	90 121 160	67 98 136	55 43 29
MORO	36 32 28	May14 Apr23 Mar26	Jun04 May11 Apr19	Jun25 May28 May14		Sep01 Sep17 Sep27	Sep20 Oct04 Oct16	Oct08 Oct22 Nov03	136 173 211	107 146 179	77 120 147	47 33 20
NEWPORT	36 32 28	Mar31 Feb04 -	May04 Mar21 Feb10	Jun06 May05 Mar20		Oct06 Oct09 Nov12	Oct30 Nov28 Dec21	Nov22 Jan18 -	224 334 >365	178 246 321	132 178 251	15 6 2
NORTH BEND AP	36 32 28	Mar15 Jan18 -	Apr08 Feb25 Jan18	May03 Apr04 Feb22		Oct09 Nov03 Nov20	Nov07 Dec01 Jan04	Dec06 Dec29 -	248 331 >365	211 278 >365	175 225 288	11 4 1

N WILLAMETTE EXP STN	36 32 28	Apr/20 Mar/21 Jan/27	May/11 Apr/15 Mar/01	Jun/02 May/09 Apr/02	Sep/23 Oct/07 Nov/02	Oct/11 Oct/29 Nov/22	Oct/30 Nov/20 Dec/13	180 230 308	152 197 266	125 163 224	27 15 7
NYSSA	36 32 28	Apr/20 Apr/04 Mar/18	May/14 Apr/22 Apr/05	Jun/07 May/11 Apr/23	Sep/16 Sep/25 Oct/10	Oct/01 Oct/10 Oct/25	Oct/15 Oct/26 Nov/08	171 198 225	139 170 202	107 142 179	45 34 24
OAKRIDGE FISH HATCHERY	36 32 28	May/05 Apr/03 Feb/24	May/26 Apr/24 Mar/24	Jun/16 May/15 Apr/21	Sep/08 Sep/28 Oct/15	Sep/28 Oct/14 Nov/14	Oct/18 Oct/30 Dec/14	156 199 270	124 173 234	92 147 199	40 24 10
OCHOCO RANGER STATION	36 32 28	Jul/05 Jun/17 May/18	Jul/19 Jul/05 Jun/12	Aug/02 Jul/23 Jul/06	Jul/29 Aug/03 Aug/23	Aug/09 Aug/23 Sep/11	Aug/21 Sep/11 Sep/30	42 74 123	20 48 90	0 21 57	76 64 47
ONTARIO KSRV	36 32 28	May/04 Apr/16 Mar/30	May/26 Apr/08 Apr/19	Jun/17 May/31 May/09	Sep/03 Sep/15 Sep/23	Sep/16 Sep/29 Oct/08	Sep/29 Oct/14 Oct/23	140 173 195	113 143 171	85 114 147	50 40 29
O O RANCH	36 32 28	Jun/15 May/27 Apr/23	Jul/01 Jun/13 May/17	Jul/17 Jun/30 Jun/10	Aug/12 Aug/21 Sep/09	Aug/26 Sep/06 Sep/23	Sep/08 Sep/22 Oct/07	77 109 158	55 85 129	33 60 99	65 52 37
OREGON CITY	36 32 28	Mar/30 Feb/21 Jan/10	Apr/21 Mar/23 Feb/11	May/14 Apr/22 Mar/15	Oct/05 Oct/21 Nov/12	Oct/21 Nov/15 Dec/07	Nov/07 Dec/10 Jan/01	214 276 340	182 236 297	151 197 259	19 9 4
OTIS 2 NE	36 32 28	Apr/25 Mar/21 -	May/13 Apr/13 Feb/08	May/31 May/06 Mar/12	Sep/24 Oct/18 Nov/09	Oct/17 Nov/12 Dec/13	Nov/09 Dec/06 -	189 245 >365	156 212 312	124 179 263	21 10 3
OWYHEE DAM	36 32 28	Apr/25 Apr/15 Mar/10	May/20 Apr/29 Apr/03	Jun/13 May/12 Apr/27	Sep/07 Sep/21 Sep/29	Sep/26 Oct/08 Oct/17	Oct/16 Oct/25 Nov/04	163 184 224	129 162 196	95 139 169	46 35 24
PAISLEY	36 32 28	Jun/19 May/26 Apr/27	Jul/05 Jun/15 May/18	Jul/21 Jul/05 Jun/07	Aug/14 Aug/19 Sep/12	Aug/30 Sep/08 Sep/27	Sep/15 Sep/27 Oct/11	79 112 159	55 84 132	31 56 104	56 44 31
PAULINA	36 32 28	Jul/03 Jun/14 May/23	Jul/17 Jul/01 Jun/13	Jul/30 Jul/18 Jul/04	Jul/31 Aug/07 Aug/25	Aug/11 Aug/22 Sep/07	Aug/22 Sep/07 Sep/20	42 74 107	24 51 86	6 29 64	71 58 45
PELTON DAM	36 32 28	May/25 May/04 Apr/14	Jun/10 May/20 Apr/30	Jun/26 Jun/05 May/15	Aug/28 Sep/12 Sep/24	Sep/14 Sep/29 Oct/12	Oct/01 Oct/16 Oct/30	118 156 188	95 131 164	72 106 140	48 36 23
PENDLETON BR EXP STN	36 32 28	May/19 Apr/28 Mar/30	Jun/08 May/17 Apr/23	Jun/28 Jun/04 May/16	Aug/26 Sep/12 Sep/23	Sep/10 Sep/25 Oct/08	Sep/25 Oct/08 Oct/22	120 156 195	94 130 167	67 105 139	47 34 19
PENDLETON DOWNTOWN	36 32 28	Apr/23 Apr/02 Mar/16	May/13 Apr/19 Apr/01	Jun/01 May/06 Apr/16	Aug/26 Aug/31 Sep/09	Sep/14 Sep/21 Oct/02	Oct/03 Oct/11 Oct/25	152 182 212	124 154 184	96 126 155	46 33 19
PENDLETON MUNICIPAL AP	36 32 28	Apr/18 Mar/25 Feb/17	May/05 Apr/13 Mar/15	May/22 May/02 Apr/11	Sep/24 Oct/03 Oct/14	Oct/07 Oct/18 Nov/05	Oct/20 Nov/01 Nov/27	173 212 269	154 187 234	134 161 198	35 23 13
PILOT ROCK 1 SE	36 32 28	May/08 Apr/21 Mar/28	Jun/02 May/10 Apr/17	Jun/27 May/30 May/06	Sep/03 Sep/17 Sep/28	Sep/18 Oct/02 Oct/13	Oct/03 Oct/17 Oct/28	136 170 206	107 145 179	79 119 151	44 31 19
PORTLAND INTL AP	36 32 28	Mar/31 Feb/27 Jan/18	Apr/16 Mar/23 Feb/15	May/01 Apr/15 Mar/16	Oct/12 Oct/24 Nov/06	Oct/28 Nov/15 Dec/01	Nov/13 Dec/06 Dec/26	218 267 333	195 236 288	171 206 243	19 10 5
PORT ORFORD 2	36 32 28	Mar/09 Jan/10 -	Apr/19 Mar/07 Jan/19	May/30 May/02 Mar/10	Oct/16 Nov/06 Nov/16	Nov/05 Nov/30 Jan/01	Nov/25 Dec/26 -	253 326 >365	199 264 344	145 207 275	12 4 1
POWERS	36 32 28	Apr/24 Mar/20 Jan/14	May/13 Apr/11 Feb/14	Jun/01 May/03 Mar/18	Sep/18 Oct/07 Oct/31	Oct/09 Oct/31 Nov/29	Oct/29 Nov/24 Dec/28	175 232 332	148 202 287	121 172 241	25 12 4



P RANCH REFUGE	36 32 28	Jun20 May22 Apr28	Jul06 Jun14 May16	Jul21 Jul06 Jun03		Aug05 Aug19 Aug31	Aug20 Sep02 Sep13	Sep03 Sep16 Sep26	65 106 142	44 79 119	22 53 95	62 49 36
PRINEVILLE 4 NW	36 32 28	Jul01 Jun05 May13	Jul14 Jun27 May29	Jul27 Jul18 Jun15		Jul31 Aug17 Sep01	Aug14 Aug31 Sep16	Aug27 Sep14 Sep30	48 91 133	30 64 109	12 38 85	66 52 38
PROSPECT 2 SW	36 32 28	Jun02 May12 Apr10	Jun24 May31 May03	Jul16 Jun19 May26		Aug14 Sep08 Sep25	Sep04 Sep25 Oct16	Sep25 Oct13 Nov07	105 145 194	72 116 166	39 88 137	49 34 16
REDMOND ROBERTS AP	36 32 28	Jun21 Jun01 May10	Jul08 Jun19 May30	Jul26 Jul07 Jun20		Aug07 Aug24 Sep11	Aug23 Sep11 Sep27	Sep07 Sep28 Oct14	66 110 147	45 83 119	24 57 91	61 48 34
RICHLAND	36 32 28	May09 Apr22 Apr09	Jun03 May18 May03	Jun29 Jun13 May26		Sep02 Sep15 Sep22	Sep15 Sep27 Oct08	Sep27 Oct09 Oct23	133 161 187	103 132 157	72 103 127	54 43 31
RIDDLE	36 32 28	Apr20 Mar17 Jan11	May08 Apr11 Feb19	May26 May06 Mar31		Sep18 Oct04 Oct26	Oct07 Nov03 Dec08	Oct27 Dec02 Jan25	175 246 356	151 205 289	128 164 237	25 10 3
RIVERSIDE 7 SSW	36 32 28	May30 May18 May03	Jun23 Jun09 May19	Jul17 Jul02 Jun03		Aug16 Aug24 Sep04	Sep01 Sep14 Sep23	Sep17 Oct05 Oct13	104 129 155	69 96 127	34 63 99	58 47 34
ROCKVILLE 5 N	36 32 28	Jun21 Jun03 Apr30	Jul06 Jun21 May28	Jul21 Jul08 Jun24		Aug05 Aug23 Sep06	Aug23 Sep06 Sep17	Sep11 Sep21 Sep29	74 102 144	48 77 112	22 52 80	64 53 40
ROME 2 NW	36 32 28	Jun03 May12 Apr18	Jun21 Jun02 May13	Jul09 Jun23 Jun08		Aug17 Aug26 Sep12	Sep02 Sep12 Sep24	Sep18 Sep29 Oct06	97 128 161	72 101 133	47 74 105	59 48 37
ROSEBURG KOEN	36 32 28	Apr07 Mar06 Jan01	May01 Apr03 Feb13	May24 May02 Mar23		Oct02 Oct11 Nov02	Oct22 Nov11 Dec17	Nov10 Dec12 Feb13	204 258 >365	173 221 299	143 183 240	22 10 3
RUCH	36 32 28	May16 Apr26 Mar25	Jun06 May16 Apr23	Jun26 Jun05 May21		Sep01 Sep16 Oct06	Sep18 Oct03 Oct27	Oct05 Oct20 Nov18	136 166 225	104 140 187	72 113 149	41 27 14
SALEM McNARY AP	36 32 28	Apr29 Apr06 Feb16	May21 Apr28 Mar25	Jun12 May19 May01		Sep18 Sep30 Oct14	Oct05 Oct18 Nov10	Oct21 Nov05 Dec07	162 202 280	136 173 229	109 143 178	30 16 8
SANTIAM JUNCTION	36 32 28	May28 May22 May15	Jun24 Jun09 May30	Jul20 Jun27 Jun13		Aug04 Aug17 Sep14	Sep10 Sep22 Oct11	Oct17 Oct29 Nov07	135 156 165	77 105 134	19 54 103	64 51 36
SCOTT'S MILLS 9 SE	36 32 28	May20 Apr20 Mar05	Jun06 May11 Apr06	Jun22 Jun01 May07		Sep13 Oct02 Oct21	Oct01 Oct22 Nov18	Oct19 Nov10 Dec15	144 195 270	116 163 226	89 132 181	39 23 8
SEASIDE	36 32 28	Apr13 Mar20 Dec31	May05 Apr09 Feb12	May27 Apr29 Mar23		Sep28 Oct08 Oct28	Oct16 Nov07 Nov28	Nov03 Dec06 Jan02	197 251 >365	163 211 286	129 172 242	19 9 4
SENECA	36 32 28	Jul17 Jul08 Jun11	Jul26 Jul20 Jul03	Aug04 Aug01 Jul25		Jul31 Jul30 Aug05	Aug03 Aug08 Aug21	Aug07 Aug18 Sep06	18 35 76	7 17 48	0 0 21	83 70 56
SEXTON SUMMIT	36 32 28	May19 Apr24 Mar26	Jun08 May19 Apr21	Jun27 Jun12 May17		Sep15 Oct04 Oct27	Oct09 Oct30 Nov22	Nov01 Nov25 Dec18	158 205 254	122 164 214	87 122 174	41 27 12
SHEAVILLE 1 SE	36 32 28	Jun08 May25 May02	Jun27 Jun16 May28	Jul15 Jul08 Jun24		Aug17 Aug24 Sep12	Sep03 Sep13 Sep27	Sep20 Oct02 Oct12	94 117 153	68 88 121	42 59 89	61 51 38
SILVER CREEK FALLS	36 32 28	May13 Apr24 Mar10	Jun05 May15 Apr09	Jun29 Jun04 May09		Sep01 Sep23 Oct04	Sep19 Oct10 Nov02	Oct08 Oct28 Dec02	139 174 253	105 148 206	71 122 159	40 26 11

SILVER LAKE RANGER STN	36 32 28	Jul02 Jun18 May26	Jul16 Jul05 Jun18	Jul30 Jul21 Jul10	Jul31 Aug08 Aug21	Aug16 Aug27 Sep11	Sep01 Sep16 Oct02	54 80 115	30 53 85	6 25 55	68 54 40
SILVERTON	36 32 28	Apr10 Mar13 Jan29	Apr27 Apr05 Feb26	May13 Apr29 Mar25	Sep30 Oct22 Oct27	Oct16 Nov08 Nov19	Nov02 Nov25 Dec12	198 249 303	172 216 266	145 184 229	24 13 6
SISTERS	36 32 28	Jul13 Jun23 May30	Jul23 Jul12 Jun24	Aug02 Jul31 Jul18	Jul29 Aug02 Aug19	Aug09 Aug17 Sep04	Aug22 Sep02 Sep20	36 58 103	17 36 72	0 13 41	71 58 43
SPRAGUE RIVER 2 SE	36 32 28	Jul09 Jun23 Jun10	Jul20 Jul10 Jun30	Jul31 Jul27 Jul20	Jul31 Aug01 Aug05	Aug06 Aug16 Aug29	Aug12 Aug31 Sep22	30 59 96	16 36 59	2 13 23	77 65 50
SQUAW BUTTE EXP STATION	36 32 28	Jun14 May30 May04	Jul03 Jun18 May25	Jul23 Jul07 Jun15	Aug15 Sep02 Sep18	Sep02 Sep19 Oct09	Sep20 Oct05 Oct30	92 116 165	60 92 136	27 68 107	59 49 36
STAYTON	36 32 28	Apr11 Mar11 Jan28	May06 Apr07 Mar05	May30 May04 Apr10	Sep23 Oct07 Oct29	Oct11 Oct31 Nov24	Oct30 Nov24 Dec20	192 248 313	158 207 263	124 165 214	25 14 7
SUMMER LAKE 1 S	36 32 28	May30 May13 Apr19	Jun18 May29 May05	Jul07 Jun14 May21	Aug25 Sep06 Sep17	Sep11 Sep22 Oct06	Sep28 Oct08 Oct24	108 139 178	84 115 153	60 90 128	52 40 27
THE DALLES	36 32 28	Mar29 Mar05 Feb01	Apr21 Apr01 Mar06	May15 Apr28 Apr08	Sep21 Oct04 Oct12	Oct12 Oct27 Nov13	Nov01 Nov19 Dec15	208 254 307	173 209 251	137 163 195	32 19 9
THE POPLARS	36 32 28	Jun17 Jun08 May23	Jul06 Jun28 Jun15	Jul25 Jul17 Jul09	Aug01 Aug10 Aug31	Aug16 Aug30 Sep14	Aug31 Sep19 Sep27	68 95 118	40 63 90	12 31 61	70 56 43
THREE LYNX	36 32 28	Apr26 Mar27 Jan21	May15 Apr17 Feb22	Jun03 May08 Mar26	Sep23 Oct06 Nov04	Oct10 Oct25 Dec03	Oct26 Nov14 Jan02	167 219 328	147 190 284	126 162 239	37 20 7
TIDEWATER 2 SW	36 32 28	Apr10 Mar02 Dec21	May01 Apr02 Feb01	May23 May03 Mar06	Oct02 Oct19 Nov07	Oct23 Nov13 Dec12	Nov14 Dec08 Jan26	205 268 >365	174 224 310	144 180 259	19 9 3
TILLAMOOK 1 W	36 32 28	May05 Apr07 Feb26	Jun02 Apr29 Mar29	Jun30 May22 Apr29	Aug31 Sep20 Oct11	Sep21 Oct11 Nov08	Oct11 Nov02 Dec06	152 194 267	110 164 223	69 134 179	25 14 6
TOKETEE FALLS	36 32 28	May07 Apr20 Mar07	Jun02 May08 Apr05	Jun29 May27 May04	Sep01 Sep16 Oct10	Sep19 Oct04 Nov04	Oct07 Oct22 Nov30	146 173 255	108 148 212	69 122 169	43 28 11
TROUTDALE	36 32 28	Apr03 Mar03 Jan06	Apr21 Mar27 Feb13	May10 Apr21 Mar20	Sep29 Oct11 Oct20	Oct20 Nov11 Nov28	Nov10 Dec13 Jan11	210 269 >365	181 228 285	152 187 237	21 10 4
UKIAH	36 32 28	Jul08 Jun22 May18	Jul23 Jul11 Jun12	Aug06 Jul30 Jul08	Jul31 Aug03 Aug16	Aug06 Aug18 Sep02	Aug13 Sep03 Sep19	30 61 113	13 38 81	0 14 49	77 64 48
UNION EXPERIMENT STN	36 32 28	May25 May01 Apr13	Jun16 May19 May01	Jul08 Jun06 May20	Aug26 Sep06 Sep18	Sep09 Sep20 Oct03	Sep23 Oct04 Oct18	112 143 178	84 124 154	55 104 130	51 37 24
UNITY	36 32 28	Jun28 Jun16 May18	Jul14 Jul02 Jun08	Jul29 Jul19 Jun29	Aug03 Aug12 Aug31	Aug17 Aug29 Sep13	Sep01 Sep15 Sep25	53 80 115	34 57 96	15 34 76	71 60 47
VALE	36 32 28	May07 Apr23 Apr03	Jun02 May15 Apr23	Jun28 Jun05 May13	Sep01 Sep11 Sep21	Sep16 Sep27 Oct07	Oct01 Oct14 Oct23	137 163 190	105 135 166	74 107 142	50 41 29
VALLEY FALLS	36 32 28	Jun14 May23 Apr30	Jun29 Jun13 May22	Jul14 Jul03 Jun13	Jun29 Aug03 Aug13	Aug20 Sep01 Sep14	Sep13 Sep30 Oct16	82 118 160	52 80 114	21 41 68	60 47 35

VERNONIA 2	36	May19	Jun09	Jun30	Aug20	Sep10	Sep30	125	92	59	44
	32	Apr19	May10	May31	Sep08	Sep28	Oct18	174	141	107	28
	28	Mar17	Apr06	Apr27	Sep30	Oct22	Nov14	231	199	166	12
WALLOWA	36	Jun16	Jul04	Jul23	Aug06	Aug20	Sep03	62	46	31	63
	32	May23	Jun13	Jul04	Aug21	Sep06	Sep21	112	84	56	50
	28	Apr29	May20	Jun11	Sep05	Sep18	Sep30	144	119	95	35
WESTFALL	36	May15	Jun06	Jun28	Sep04	Sep18	Oct03	129	103	78	53
	32	May02	May22	Jun10	Sep12	Sep27	Oct13	152	128	104	44
	28	Apr07	Apr26	May14	Sep22	Oct10	Oct27	193	166	140	32
WHITEHORSE RANCH	36	Jun13	Jun29	Jul15	Aug18	Sep03	Sep19	89	65	41	57
	32	May23	Jun11	Jun30	Aug22	Sep12	Oct04	121	93	65	47
	28	May03	May21	Jun07	Sep05	Sep24	Oct13	151	126	101	36
WICKIUP DAM	36	Jun21	Jul09	Jul26	Aug03	Aug20	Sep07	66	42	18	69
	32	May29	Jun22	Jul15	Aug24	Sep08	Sep22	104	78	51	58
	28	May09	May31	Jun23	Sep06	Sep23	Oct10	146	114	81	42

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 (Aug 1 - Jul 31).  
(percent of days with temperatures at or below the threshold temperature)

Freeze / Frost Occurrence Data

All probabilities in whole percent. See notes for probability level description.  
- Indicates the probability of occurrence of threshold temperatureis less than indicated probability.

State And Station Name	Thresh hold (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			Prob abil ity  (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
Pennsylvania					10	50	90	10	50	90	
ALLENTOWN LEHIGH VLY AP	36 32 28	Apr20 Apr07 Mar27	May02 Apr20 Apr07	May14 May04 Apr17	Sep24 Oct02 Oct19	Oct08 Oct18 Nov04	Oct21 Nov03 Nov19	178 206 229	158 180 210	139 154 191	40 32 24
ALTOONA 3 W	36 32 28	Apr27 Apr17 Apr03	May17 May02 Apr15	Jun05 May17 Apr27	Sep09 Oct01 Oct09	Sep27 Oct13 Oct25	Oct14 Oct25 Nov10	162 184 214	132 163 192	103 142 170	45 37 28
BELTZVILLE DAM	36 32 28	May02 Apr24 Apr09	May18 May04 Apr23	Jun03 May15 May07	Sep08 Sep22 Oct04	Sep23 Oct05 Oct18	Oct08 Oct18 Nov01	152 171 196	127 153 177	103 135 157	49 42 33
BLOSERVILLE 1 N	36 32 28	Apr21 Apr05 Mar27	May04 Apr23 Apr11	May17 May11 Apr25	Sep25 Oct02 Oct17	Oct08 Oct19 Nov01	Oct21 Nov05 Nov17	177 205 227	156 179 204	136 153 181	41 33 25
BRADFORD RGNL AP	36 32 28	May16 May10 Apr25	Jun11 May30 May14	Jun07 Jun19 Jun03	Aug11 Aug30 Sep12	Sep02 Sep18 Oct03	Sep24 Oct07 Oct24	121 139 169	83 110 141	45 81 113	54 46 37
BRADFORD 4 SW RES 5	36 32 28	May22 May10 Apr29	Jun09 May27 May13	Jun28 Jun13 May26	Aug23 Sep07 Sep14	Sep10 Sep22 Oct06	Sep28 Oct07 Oct28	121 138 172	92 117 146	63 95 119	55 48 38
BUTLER 2 SW	36 32 28	May07 Apr28 Apr12	May26 May13 Apr26	Jun13 May28 May10	Sep11 Sep20 Oct11	Sep23 Oct07 Oct24	Oct05 Oct24 Nov06	139 166 202	119 145 180	100 125 159	49 40 30
CHAMBERSBURG 1 ESE	36 32 28	Apr23 Apr12 Mar31	May07 Apr27 Apr12	May21 May12 Apr23	Sep20 Oct01 Oct11	Oct02 Oct17 Oct26	Oct14 Nov01 Nov10	165 194 218	147 172 197	130 149 175	41 33 24
CLARION 3 SW	36 32 28	May11 Apr28 Apr15	May28 May16 May04	Jun14 Jun04 May24	Sep07 Sep13 Oct05	Sep21 Oct01 Oct20	Oct05 Oct19 Nov03	136 162 194	116 137 168	96 111 141	49 42 32
CONFLUENCE 1 SW DAM	36 32 28	May03 Apr24 Apr16	May22 May10 Apr29	Jun11 May26 May11	Sep14 Sep18 Oct07	Sep28 Oct04 Oct19	Oct12 Oct20 Oct31	150 168 192	128 147 173	105 126 153	50 42 34
DERRY 4 SW	36 32 28	Apr27 Apr23 Apr07	May22 May10 Apr26	Jun16 May26 May15	Sep12 Sep19 Oct05	Sep27 Oct08 Oct24	Oct12 Oct26 Nov13	155 178 211	127 150 180	99 123 149	44 37 28
DONEGAL 2 NW	36 32 28	May05 Apr27 Apr14	May27 May13 Apr27	Jun18 May29 May11	Sep03 Sep22 Oct07	Sep21 Oct09 Oct22	Oct08 Oct25 Nov06	145 170 198	116 148 177	87 126 156	49 41 32
DONORA 1 SW	36 32 28	Apr28 Apr17 Apr02	May14 Apr30 Apr17	May29 May14 May02	Sep27 Oct06 Oct17	Oct09 Oct20 Nov01	Oct21 Nov03 Nov16	167 191 222	148 172 197	128 153 172	40 32 23
EBENSBURG SEWAGE PLANT	36 32 28	May17 May10 Apr26	Jun08 May26 May10	Jun29 Jun12 May24	Aug26 Sep08 Sep23	Sep11 Sep21 Oct10	Sep26 Oct04 Oct26	122 135 172	95 117 152	67 99 131	52 44 34

EMPORIUM	36 32 28	May10 Apr30 Apr18	May27 May14 May01	Jun14 May29 May14	Sep11 Sep24 Oct03	Sep25 Oct08 Oct18	Oct08 Oct22 Nov02	138 163 191	119 146 169	101 129 146	52 43 34
ERIE AP	36 32 28	Apr27 Apr13 Apr02	May13 Apr29 Apr14	May30 May16 Apr26	Oct04 Oct15 Oct24	Oct15 Oct29 Nov09	Oct26 Nov11 Nov25	174 208 231	154 182 209	134 155 186	42 33 25
EVERETT	36 32 28	Apr30 Apr18 Apr01	May17 May05 Apr21	Jun03 May22 May10	Sep07 Sep20 Oct06	Sep24 Oct06 Oct20	Oct11 Oct23 Nov03	154 178 207	129 153 181	104 128 155	46 38 29
FORD CITY 4 S DAM	36 32 28	May02 Apr24 Apr13	May21 May06 Apr27	Jun08 May08 May10	Sep18 Sep29 Oct12	Sep30 Oct12 Oct24	Oct11 Oct25 Nov06	151 178 197	131 158 180	111 139 163	47 39 30
FRANCIS E WALTER DAM	36 32 28	May19 May04 Apr22	Jun06 May23 May07	Jun24 Jun11 May22	Aug22 Sep11 Sep21	Sep07 Sep23 Oct06	Sep22 Oct05 Oct20	117 148 170	92 123 150	66 98 131	55 47 38
FRANKLIN	36 32 28	May02 Apr25 Apr13	May24 May06 Apr24	Jun14 May18 May06	Sep19 Oct05 Oct19	Oct02 Oct17 Oct30	Oct15 Oct29 Nov11	152 178 206	131 164 188	110 149 170	49 39 29
GRATERFORD 1 E	36 32 28	Apr25 Apr10 Mar26	May14 May02 Apr18	Jun01 May24 May10	Sep08 Sep16 Sep24	Sep28 Oct09 Oct22	Oct18 Oct31 Nov18	171 198 227	137 159 186	103 119 145	45 37 28
HAWLEY 1 E	36 32 28	May08 Apr27 Apr13	May24 May11 Apr26	Jun10 May24 May10	Sep08 Sep20 Sep29	Sep20 Oct02 Oct14	Oct01 Oct14 Oct28	135 159 189	118 144 170	100 129 151	53 45 36
INDIANA 3 SE	36 32 28	May02 Apr26 Apr14	May23 May11 Apr26	Jun13 May26 May07	Sep12 Sep27 Oct11	Sep26 Oct11 Oct24	Oct10 Oct26 Nov06	149 172 199	126 152 181	102 133 162	45 37 27
JAMESTOWN 2 NW	36 32 28	May13 Apr30 Apr17	May29 May15 Apr30	Jun14 May29 May13	Sep12 Sep18 Oct09	Sep24 Oct05 Oct22	Oct07 Oct21 Nov05	130 160 192	118 142 175	105 124 157	48 41 31
KANE 1 NNE	36 32 28	May31 May15 May05	Jun19 Jun02 Jun06	Jul08 Jun20 Jun06	Aug11 Aug27 Sep15	Aug30 Sep12 Sep29	Sep18 Sep28 Oct12	100 124 148	71 101 130	42 77 111	58 51 40
LANCASTER 2 NE FILT PLT	36 32 28	Apr06 Mar28 Mar13	Apr27 Apr14 Mar30	May17 May01 Apr17	Sep24 Oct06 Oct12	Oct06 Oct21 Oct31	Oct18 Nov04 Nov19	189 211 242	162 189 214	135 166 186	39 31 23
LANDISVILLE 2 NW	36 32 28	Apr28 Apr16 Apr03	May09 Apr28 Apr15	May21 May10 Apr27	Sep14 Sep26 Oct10	Sep27 Oct11 Oct23	Oct10 Oct25 Nov04	158 186 210	140 165 190	122 144 170	42 33 24
LAUREL MOUNTAIN	36 32 28	May03 Apr24 Apr16	May21 May07 Apr29	Jun08 May20 May12	Sep14 Sep25 Oct07	Sep29 Oct09 Oct22	Oct13 Oct24 Nov06	152 175 195	130 154 175	108 134 156	47 40 32
LAURELTON CENTER	36 32 28	May04 Apr21 Apr11	May21 May07 Apr23	Jun07 May22 May04	Sep05 Sep24 Oct04	Sep22 Oct08 Oct18	Oct09 Oct21 Nov02	148 171 199	123 153 178	99 136 156	46 39 30
LEBANON 2 W	36 32 28	Apr27 Apr13 Mar30	May08 Apr27 Apr12	May20 May11 Apr26	Sep20 Oct01 Oct08	Oct02 Oct15 Oct25	Oct14 Oct28 Nov11	163 188 217	146 169 195	128 151 173	42 34 25
LEWISTOWN	36 32 28	Apr24 Apr11 Mar27	May07 Apr26 Apr12	May20 May11 Apr28	Sep16 Sep30 Oct14	Oct04 Oct14 Oct28	Oct22 Oct29 Nov11	174 193 221	149 171 198	124 148 175	43 35 26
LINESVILLE 1 S	36 32 28	May02 Apr21 Apr10	May21 May06 Apr24	Jun08 May22 May08	Sep15 Sep26 Oct17	Oct01 Oct13 Oct31	Oct16 Oct30 Nov14	157 181 212	132 159 190	108 137 168	48 40 31
MARCUS HOOK	36 32 28	Mar31 Mar15 Mar03	Apr10 Mar30 Mar18	Apr20 Apr14 Apr01	Oct20 Oct28 Nov15	Nov05 Nov14 Nov29	Nov21 Dec02 Dec14	226 255 275	208 229 256	191 202 237	26 18 11

MATAMORAS	36 32 28	Apr/27 Apr/19 Apr/08	May/12 May/04 Apr/20	May/28 May/18 May/02	Sep/14 Sep/26 Oct/04	Sep/27 Oct/09 Oct/21	Oct/10 Oct/22 Nov/07	156 175 206	137 158 182	118 141 159	47 39 30
MCKEESPORT	36 32 28	Apr/24 Apr/16 Apr/03	May/12 May/01 Apr/19	May/31 May/16 May/06	Sep/15 Sep/25 Oct/11	Sep/30 Oct/14 Oct/28	Oct/15 Nov/02 Nov/14	164 190 217	140 165 191	116 140 165	45 37 28
MERCER	36 32 28	May/16 Apr/29 Apr/16	May/31 May/16 May/01	Jun/15 Jun/02 May/17	Aug/28 Sep/10 Sep/28	Sep/17 Sep/29 Oct/15	Oct/06 Oct/18 Nov/01	131 159 191	108 135 166	85 111 141	47 39 31
MONTGOMERY LOCK & DAM	36 32 28	Apr/27 Apr/19 Apr/05	May/13 May/02 Apr/21	May/28 May/14 May/06	Sep/19 Oct/03 Oct/16	Oct/05 Oct/19 Oct/31	Oct/21 Nov/05 Nov/15	165 189 217	145 170 193	124 151 169	40 32 23
MONTROSE	36 32 28	May/09 Apr/26 Apr/16	May/26 May/14 Apr/28	Jun/12 May/31 May/11	Sep/05 Sep/15 Sep/27	Sep/18 Sep/29 Oct/13	Oct/01 Oct/14 Oct/28	132 162 188	114 138 167	97 114 145	52 45 36
NESHAMINY FALLS	36 32 28	Apr/25 Apr/10 Mar/27	May/09 Apr/22 Apr/10	May/22 May/03 Apr/24	Sep/21 Sep/30 Oct/12	Oct/07 Oct/18 Oct/31	Oct/22 Nov/05 Nov/19	174 205 231	150 179 203	127 154 176	42 34 25
NEW CASTLE 1 N	36 32 28	May/06 Apr/25 Apr/18	May/25 May/12 Apr/29	Jun/12 May/29 May/10	Sep/13 Sep/22 Oct/11	Sep/28 Oct/09 Oct/24	Oct/13 Oct/27 Nov/06	148 176 194	126 150 177	103 123 160	47 39 29
NORRISTOWN	36 32 28	Apr/14 Apr/07 Mar/18	Apr/28 Apr/17 Apr/04	May/12 Apr/26 Apr/21	Sep/23 Oct/06 Oct/19	Oct/13 Oct/25 Nov/07	Nov/02 Nov/13 Nov/26	194 213 242	167 191 216	141 169 190	39 31 22
PHILADELPHIA INTL AP	36 32 28	Apr/03 Mar/24 Mar/11	Apr/15 Apr/06 Mar/26	Apr/27 Apr/19 Apr/09	Oct/12 Oct/20 Nov/03	Oct/26 Nov/04 Nov/19	Nov/09 Nov/18 Dec/05	214 234 257	193 211 237	172 188 218	32 24 17
PHOENIXVILLE 1 E	36 32 28	Apr/19 Apr/07 Mar/26	May/07 Apr/23 Apr/09	May/25 May/10 Apr/22	Sep/13 Sep/28 Oct/11	Oct/03 Oct/15 Oct/28	Oct/22 Nov/02 Nov/14	180 204 224	148 174 202	116 145 180	41 33 25
PITTSBURGH INTL AP	36 32 28	Apr/25 Apr/18 Mar/28	May/13 Apr/29 Apr/12	May/30 May/10 Apr/26	Sep/21 Oct/03 Oct/18	Oct/05 Oct/17 Oct/30	Oct/19 Oct/31 Nov/12	164 188 219	145 170 201	126 152 182	40 33 24
PLEASANT MOUNT 1 W	36 32 28	May/16 May/03 Apr/22	Jun/01 May/19 May/04	Jun/16 Jun/03 May/15	Aug/27 Sep/13 Sep/20	Sep/10 Sep/24 Oct/07	Sep/25 Oct/06 Oct/23	121 148 176	101 128 155	81 107 134	56 48 39
PUTNEYVILLE 2 SE DAM	36 32 28	May/11 Apr/29 Apr/22	May/29 May/17 May/02	Jun/17 Jun/04 May/12	Sep/02 Sep/19 Oct/06	Sep/18 Oct/05 Oct/19	Oct/05 Oct/21 Nov/01	134 162 186	111 140 169	89 119 152	50 43 33
RENOVO	36 32 28	May/05 Apr/26 Apr/08	May/20 May/10 Apr/26	Jun/05 May/25 May/14	Sep/08 Sep/29 Oct/08	Sep/27 Oct/11 Oct/24	Oct/15 Oct/24 Nov/09	156 173 206	129 153 180	102 134 154	49 40 31
RIDGWAY	36 32 28	May/18 May/08 Apr/26	Jun/04 May/24 May/10	Jun/22 Jun/09 May/23	Sep/01 Sep/15 Sep/25	Sep/16 Sep/28 Oct/13	Oct/01 Oct/12 Oct/31	125 146 177	103 126 155	81 107 134	55 47 37
SALINA 3 W	36 32 28	May/08 Apr/25 Apr/16	May/26 May/13 Apr/29	Jun/14 May/31 May/12	Sep/07 Sep/15 Oct/04	Sep/21 Oct/03 Oct/20	Oct/06 Oct/21 Nov/04	141 169 195	117 142 173	94 116 151	47 40 30
SELINGSGROVE 2 S	36 32 28	Apr/26 Apr/14 Apr/03	May/10 Apr/29 Apr/15	May/24 May/14 Apr/26	Sep/14 Oct/01 Oct/16	Oct/01 Oct/15 Oct/29	Oct/18 Oct/30 Nov/11	167 188 215	143 169 197	120 150 178	45 37 28
SHIPPENSBURG	36 32 28	Apr/19 Apr/08 Mar/28	May/02 Apr/19 Apr/09	May/15 May/01 Apr/22	Sep/24 Oct/04 Oct/18	Oct/07 Oct/19 Oct/31	Oct/21 Nov/03 Nov/13	175 205 225	158 182 204	140 160 183	39 31 22
SLEEPERY ROCK 1 SSW	36 32 28	May/14 May/02 Apr/19	Jun/01 May/21 May/01	Jun/19 Jun/09 May/13	Sep/02 Sep/14 Sep/22	Sep/17 Sep/30 Oct/13	Oct/02 Oct/15 Nov/03	132 150 187	108 131 164	83 112 141	52 44 35

STATE COLLEGE	36 32 28	Apr/27 Apr/13 Mar/31	May/10 Apr/27 Apr/13	May/24 May/11 Apr/25	Sep/15 Oct/02 Oct/12	Oct/01 Oct/16 Oct/27	Oct/18 Oct/30 Nov/11	166 191 216	143 171 197	120 151 177	45 36 28
STEVENSON DAM	36 32 28	May/05 Apr/30 Apr/15	May/21 May/10 Apr/29	Jun/07 May/21 May/12	Sep/19 Oct/01 Oct/11	Oct/01 Oct/12 Oct/24	Oct/13 Oct/24 Nov/05	152 169 198	132 154 177	112 140 157	50 42 33
STROUDSBURG	36 32 28	May/03 Apr/23 Apr/06	May/20 May/05 Apr/20	Jun/06 May/18 May/04	Sep/10 Sep/23 Oct/04	Sep/21 Oct/07 Oct/18	Oct/02 Oct/21 Nov/01	141 173 203	124 154 180	106 135 157	45 37 28
TIONESTA 2 SE LAKE	36 32 28	May/10 Apr/30 Apr/21	May/28 May/17 May/03	Jun/14 Jun/03 May/15	Sep/10 Sep/24 Oct/06	Sep/25 Oct/10 Oct/22	Oct/09 Oct/26 Nov/07	141 171 188	120 145 171	99 119 155	52 44 34
TITUSVILLE WATER WORKS	36 32 28	May/16 May/07 Apr/25	Jun/02 May/22 May/06	Jun/19 Jun/07 May/18	Sep/02 Sep/12 Sep/30	Sep/17 Sep/28 Oct/13	Oct/01 Oct/14 Oct/27	128 147 178	106 128 159	85 109 141	53 45 35
TOBYHANNA POCONO MTN A	36 32 28	May/15 Apr/30 Apr/15	Jun/04 May/19 Apr/29	Jun/23 Jun/08 May/14	Aug/26 Sep/12 Sep/25	Sep/12 Sep/25 Oct/11	Sep/28 Oct/08 Oct/27	128 152 186	99 128 164	70 103 142	52 45 35
TOWANDA 1 ESE	36 32 28	May/06 Apr/26 Apr/11	May/20 May/07 Apr/23	Jun/03 May/17 May/05	Sep/11 Sep/27 Oct/06	Sep/23 Oct/11 Oct/20	Oct/05 Oct/25 Nov/04	143 171 199	125 156 180	108 141 161	48 39 30
UNIONTOWN 1 NE	36 32 28	May/02 Apr/27 Apr/12	May/19 May/08 Apr/24	Jun/06 May/20 May/06	Sep/11 Sep/24 Oct/09	Sep/25 Oct/07 Oct/20	Oct/09 Oct/20 Nov/01	145 168 195	128 151 179	112 134 162	45 37 28
WARREN	36 32 28	May/06 Apr/29 Apr/14	May/25 May/13 Apr/27	Jun/13 May/27 May/10	Sep/12 Sep/26 Oct/09	Sep/25 Oct/12 Oct/25	Oct/09 Oct/27 Nov/11	144 171 206	123 151 181	101 130 155	49 41 31
WAYNESBURG 1 E	36 32 28	May/03 Apr/23 Apr/10	May/21 May/07 Apr/23	Jun/09 May/21 May/06	Sep/11 Sep/27 Oct/08	Sep/26 Oct/09 Oct/20	Oct/10 Oct/20 Nov/02	148 171 198	127 154 180	105 137 163	48 40 30
WELLSBORO 4 SW	36 32 28	May/12 Apr/30 Apr/20	May/27 May/14 May/03	Jun/12 May/27 May/17	Sep/04 Sep/16 Sep/28	Sep/20 Oct/01 Oct/11	Oct/05 Oct/16 Oct/25	139 159 180	115 140 160	91 120 141	53 45 37
WEST CHESTER 2 NW	36 32 28	Apr/17 Mar/31 Mar/26	May/06 Apr/20 Apr/10	May/26 May/10 Apr/25	Sep/20 Oct/02 Oct/16	Oct/08 Oct/18 Nov/02	Oct/26 Nov/03 Nov/19	179 210 232	154 181 205	129 152 178	40 32 23
WILKES BRE SCTN AP AVOCA	36 32 28	Apr/23 Apr/12 Apr/03	May/10 Apr/26 Apr/15	May/27 May/10 Apr/26	Sep/20 Sep/30 Oct/13	Oct/01 Oct/16 Oct/28	Oct/12 Nov/01 Nov/12	165 192 216	143 172 195	122 153 175	43 34 26
WILLIAMSPORT LYCOMING AP	36 32 28	Apr/28 Apr/16 Apr/01	May/11 Apr/30 Apr/14	May/24 May/13 Apr/26	Sep/19 Oct/03 Oct/17	Oct/03 Oct/15 Oct/29	Oct/18 Oct/28 Nov/11	165 186 215	145 168 198	125 149 181	43 34 26
YORK 3 SSW PUMP STN	36 32 28	Apr/29 Apr/19 Apr/05	May/15 May/02 Apr/15	May/31 May/14 Apr/25	Sep/15 Sep/30 Oct/12	Sep/28 Oct/13 Oct/25	Oct/12 Oct/25 Nov/07	156 180 210	136 163 193	116 147 175	41 33 24

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 (Aug 1 - Jul 31).  
(percent of days with temperatures at or below the threshold temperature)

# 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	T h r e s h o l d (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			P r o b a b i l i t y (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
Rhode Island											
KINGSTON	36	May06	May22	Jun07	Sep06	Sep20	Oct04	140	120	101	45
	32	Apr25	May08	May21	Sep21	Oct03	Oct14	160	147	134	37
	28	Apr12	Apr25	May07	Oct01	Oct16	Oct31	191	173	155	28
NEWPORT ROSE	36	Apr15	May01	May17	Oct09	Oct23	Nov07	202	175	148	35
	32	Apr03	Apr20	May06	Oct23	Nov06	Nov21	225	200	175	27
	28	Mar18	Apr03	Apr19	Nov05	Nov19	Dec03	252	229	206	19
PROVIDENCE GREEN AP	36	Apr17	May01	May15	Sep29	Oct10	Oct22	179	162	144	40
	32	Apr04	Apr16	Apr29	Oct07	Oct22	Nov06	209	188	167	31
	28	Mar22	Apr03	Apr14	Oct19	Nov05	Nov21	238	215	192	22

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 (Aug 1 - Jul 31).  
(percent of days with temperatures at or below the threshold temperature)



Freeze / Frost Occurrence Data

All probabilities in whole percent. See notes for probability level description.  
- Indicates the probability of occurrence of threshold temperatureis less than indicated probability.

State And Station Name	Thresh hold (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			Prob ab il ity (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
South Carolina											
AIKEN 4 NE	36	Apr01	Apr18	May05	Oct05	Oct17	Oct30	203	182	161	22
	32	Mar22	Apr05	Apr20	Oct12	Oct31	Nov19	232	208	183	16
	28	Feb21	Mar14	Apr04	Oct25	Nov12	Nov30	272	242	213	10
ANDERSON	36	Apr04	Apr19	May04	Oct05	Oct19	Nov02	201	183	164	26
	32	Mar19	Apr05	Apr21	Oct16	Oct31	Nov15	226	208	190	18
	28	Mar04	Mar21	Apr07	Nov01	Nov17	Dec03	264	240	216	11
ANDERSON CO AP	36	Mar28	Apr13	Apr30	Oct10	Oct25	Nov09	216	194	172	21
	32	Mar15	Apr01	Apr17	Oct19	Nov05	Nov22	243	218	192	15
	28	Feb21	Mar13	Apr03	Nov02	Nov19	Dec05	276	249	223	8
ANDREWS	36	Mar16	Apr03	Apr22	Oct15	Nov01	Nov19	235	211	187	16
	32	Mar01	Mar24	Apr16	Oct30	Nov13	Nov28	262	234	205	10
	28	Jan30	Feb25	Mar23	Nov10	Nov29	Dec18	308	276	243	5
BAMBERG	36	Mar20	Apr05	Apr21	Oct14	Oct29	Nov14	229	207	184	17
	32	Mar04	Mar21	Apr08	Oct24	Nov09	Nov25	256	232	209	11
	28	Feb11	Mar03	Mar24	Nov08	Nov26	Dec14	291	267	243	6
BEAUFORT WWTP	36	Feb24	Mar18	Apr09	Oct31	Nov19	Dec08	276	246	216	9
	32	Feb06	Feb26	Mar19	Nov12	Dec09	Jan04	318	285	251	5
	28	Jan17	Feb12	Mar09	Nov24	Dec25	Jan25	>365	310	278	2
BISHOPVILLE 8 NNW	36	Mar26	Apr11	Apr28	Oct08	Oct22	Nov05	215	193	171	24
	32	Mar14	Apr01	Apr20	Oct14	Nov01	Nov19	238	213	188	17
	28	Feb27	Mar18	Apr06	Oct30	Nov16	Dec04	269	243	216	11
BLACKVILLE 3 W	36	Mar22	Apr08	Apr26	Oct09	Oct22	Nov05	217	196	176	19
	32	Mar09	Mar28	Apr16	Oct17	Nov05	Nov24	252	221	190	13
	28	Feb24	Mar16	Apr05	Oct28	Nov16	Dec05	272	244	216	8
BROOKGREEN GARDENS	36	Mar19	Apr08	Apr27	Oct13	Oct30	Nov15	233	204	176	16
	32	Mar02	Mar25	Apr17	Oct26	Nov13	Dec01	264	232	201	11
	28	Feb11	Mar09	Apr03	Nov08	Nov23	Dec08	287	259	231	6
CAESARS HEAD	36	Apr10	Apr26	May13	Oct03	Oct16	Oct29	194	172	149	29
	32	Mar26	Apr12	Apr28	Oct14	Oct28	Nov12	223	199	175	22
	28	Mar14	Mar31	Apr17	Oct20	Nov09	Nov30	249	222	196	15
CALHOUN FALLS	36	Mar23	Apr11	Apr29	Oct11	Oct26	Nov09	220	197	174	25
	32	Mar14	Mar31	Apr16	Oct20	Nov06	Nov23	240	219	199	17
	28	Feb19	Mar10	Mar28	Nov03	Nov20	Dec06	272	254	237	10
CAMDEN 3 W	36	Apr02	Apr17	May01	Oct09	Oct23	Nov05	207	188	169	29
	32	Mar21	Apr06	Apr22	Oct15	Oct31	Nov15	230	207	183	22
	28	Mar05	Mar21	Apr07	Nov02	Nov16	Nov30	262	239	216	14
CHARLESTON INTL AP	36	Mar10	Mar26	Apr12	Oct26	Nov12	Nov30	258	230	203	12
	32	Feb13	Mar09	Apr03	Nov06	Nov25	Dec14	291	260	228	8
	28	Jan24	Feb17	Mar14	Nov13	Dec15	Jan16	>365	293	261	4
CHARLESTON CITY	36	Feb08	Mar04	Mar28	Nov12	Dec05	Dec28	308	275	243	6
	32	Jan13	Feb09	Mar08	Nov28	Dec22	Jan15	353	313	282	3
	28	-	Jan24	Feb23	Dec12	Jan06	-	>365	344	308	1

CHERAW	36 32 28	Mar29 Mar13 Feb26	Apr14 Mar30 Mar15	Apr30 Apr15 Apr01		Oct11 Oct16 Nov03	Oct23 Nov03 Nov19	Nov05 Nov21 Dec05	215 244 270	192 218 248	169 192 225	27 19 12
CHESTER 1 NW	36 32 28	Apr05 Mar21 Mar03	Apr21 Apr08 Mar24	May07 Apr26 Apr13		Oct06 Oct11 Oct20	Oct20 Oct30 Nov10	Nov03 Nov18 Nov30	206 235 261	181 205 230	157 174 200	27 20 13
CLARK HILL 1 W	36 32 28	Mar31 Mar12 Feb22	Apr16 Mar30 Mar15	May03 Apr18 Apr05		Oct07 Oct16 Oct29	Oct22 Nov02 Nov19	Nov05 Nov19 Dec10	208 241 274	188 216 248	167 191 223	26 18 11
CLEMSON UNIVERSITY	36 32 28	Apr02 Mar17 Mar01	Apr18 Apr03 Mar21	May04 Apr21 Apr09		Oct06 Oct13 Oct29	Oct21 Nov02 Nov15	Nov04 Nov21 Dec01	205 239 265	185 211 238	166 184 212	26 19 12
COLUMBIA METRO AP	36 32 28	Mar29 Mar13 Feb22	Apr14 Apr01 Mar12	May01 Apr20 Mar31		Oct10 Oct13 Oct31	Oct23 Nov01 Nov17	Nov04 Nov21 Dec04	212 236 272	190 214 249	169 192 226	22 15 9
COLUMBIA UNIV OF SC	36 32 28	Mar15 Feb26 Feb10	Mar30 Mar18 Feb25	Apr15 Apr07 Mar12		Oct14 Oct26 Nov08	Nov01 Nov12 Dec04	Nov20 Nov29 Dec29	240 261 307	215 238 281	190 216 255	16 10 5
CONWAY	36 32 28	Mar14 Feb22 Jan31	Mar31 Mar16 Feb23	Apr16 Apr07 Mar18		Oct19 Nov01 Nov11	Nov06 Nov18 Dec07	Nov23 Dec06 Jan02	244 275 315	219 246 286	194 218 257	18 11 6
DARLINGTON	36 32 28	Mar23 Mar09 Feb20	Apr09 Mar27 Mar13	Apr26 Apr13 Apr02		Oct06 Oct18 Nov02	Oct23 Nov04 Nov19	Nov09 Nov22 Dec05	225 250 278	196 222 250	168 193 223	20 14 8
DILLON	36 32 28	Mar25 Mar08 Feb15	Apr13 Mar28 Mar13	May01 Apr17 Apr07		Oct08 Oct16 Oct30	Oct24 Nov02 Nov16	Nov10 Nov20 Dec03	224 251 282	194 219 248	164 187 213	24 17 11
EDISTO ISLAND	36 32 28	Mar04 Feb13 Jan25	Mar24 Mar09 Feb16	Apr13 Apr03 Mar09		Oct28 Nov10 Nov16	Nov16 Dec07 Dec22	Dec04 Jan03 Jan26	265 310 351	236 272 304	207 233 267	12 7 4
FLORENCE RGUL AP	36 32 28	Mar14 Feb27 Feb09	Apr03 Mar20 Mar04	Apr23 Apr10 Mar27		Oct13 Oct28 Nov10	Oct28 Nov11 Nov26	Nov13 Nov25 Dec13	235 258 291	208 236 267	180 214 242	17 11 6
FLORENCE 8 NE	36 32 28	Mar21 Mar09 Feb15	Apr06 Mar26 Mar10	Apr22 Apr12 Apr02		Oct12 Oct21 Nov02	Oct24 Nov07 Nov17	Nov05 Nov23 Dec02	220 248 276	200 225 251	181 202 226	22 15 9
GEORGETOWN 2 E	36 32 28	Mar11 Feb26 Feb04	Apr04 Mar18 Feb26	Apr27 Apr06 Mar21		Oct21 Oct31 Nov17	Nov08 Nov19 Dec11	Nov26 Dec09 Jan03	245 274 312	218 246 287	190 218 261	14 9 5
GRNVL SPART AP GREER	36 32 28	Mar31 Mar16 Mar03	Apr18 Apr04 Mar21	May06 Apr24 Apr07		Oct08 Oct17 Oct31	Oct22 Nov04 Nov18	Nov05 Nov22 Dec05	209 241 269	186 213 241	163 185 213	24 17 10
GREENWOOD 3 SW	36 32 28	Apr06 Mar21 Mar02	Apr22 Apr08 Mar20	May08 Apr25 Apr07		Oct07 Oct14 Oct28	Oct20 Oct31 Nov14	Nov02 Nov16 Dec02	201 227 264	180 205 239	159 183 214	28 21 13
HAMPTON	36 32 28	Mar12 Feb24 Feb01	Mar31 Mar14 Feb23	Apr19 Apr01 Mar16		Oct15 Oct28 Nov07	Nov01 Nov15 Dec02	Nov18 Dec04 Dec27	244 272 312	215 246 279	185 219 250	14 9 5
HOLLY HILL	36 32 28	Mar14 Mar01 Feb02	Apr01 Mar21 Mar01	Apr18 Apr10 Mar27		Oct18 Nov01 Nov10	Nov05 Nov15 Dec01	Nov24 Nov29 Dec22	245 263 308	218 238 274	192 213 241	16 10 6
JOHNSTON 4 SW	36 32 28	Mar25 Mar13 Feb23	Apr10 Mar30 Mar15	Apr26 Apr16 Apr05		Oct09 Oct15 Nov02	Oct23 Nov03 Nov19	Nov06 Nov21 Dec06	217 241 274	195 217 248	173 192 222	24 17 10
KERSHAW 2 SW	36 32 28	Mar23 Mar09 Feb24	Apr10 Mar31 Mar18	Apr28 Apr22 Apr09		Oct10 Oct16 Oct27	Oct24 Nov05 Nov14	Nov06 Nov25 Dec03	221 251 269	196 218 241	170 186 213	27 19 11

KINGSTREE 1 SE	36	Mar27	Apr14	May01		Oct08	Oct23	Nov07		215	191	168	24
	32	Mar14	Mar31	Apr18		Oct13	Nov01	Nov19		239	214	189	18
	28	Feb22	Mar16	Apr07		Oct26	Nov13	Nov30		274	241	209	12
LAKE CITY 2 SE	36	Mar22	Apr09	Apr27		Oct13	Oct27	Nov11		226	200	175	22
	32	Mar06	Mar26	Apr15		Oct23	Nov08	Nov24		252	227	202	15
	28	Feb12	Mar07	Mar29		Nov03	Nov23	Dec13		290	261	232	9
LAURENS	36	Apr10	Apr23	May07		Oct03	Oct16	Oct30		195	175	155	31
	32	Mar27	Apr11	Apr26		Oct08	Oct25	Nov11		217	196	175	23
	28	Mar09	Mar27	Apr15		Oct21	Nov06	Nov23		246	223	201	15
LITTLE MOUNTAIN	36	Mar23	Apr07	Apr22		Oct13	Oct26	Nov07		219	201	183	19
	32	Mar13	Mar31	Apr18		Oct20	Nov08	Nov27		246	222	197	12
	28	Feb19	Mar12	Apr01		Nov01	Nov19	Dec06		275	251	227	7
LONGCREEK	36	Apr09	Apr29	May19		Oct02	Oct14	Oct26		191	167	143	29
	32	Mar25	Mar22	Apr30		Oct05	Oct26	Nov16		227	196	166	21
	28	Mar09	Mar28	Apr15		Oct18	Nov07	Nov26		253	223	194	13
LORIS 1 S	36	Mar27	Apr12	Apr27		Oct09	Oct27	Nov13		223	197	172	23
	32	Mar13	Mar30	Apr17		Oct17	Nov06	Nov26		248	220	192	16
	28	Feb15	Mar12	Apr05		Nov01	Nov20	Dec10		287	253	219	9
MCCLELLANVILLE	36	Mar23	Apr07	Apr23		Oct15	Nov01	Nov18		228	207	186	16
	32	Mar08	Mar27	Apr16		Oct26	Nov14	Dec02		261	231	200	11
	28	Feb15	Mar08	Mar30		Nov08	Nov29	Dec20		294	265	236	6
MCCOLL 3 NNW	36	Mar28	Apr11	Apr25		Oct10	Oct25	Nov09		216	196	176	22
	32	Mar12	Mar28	Apr14		Oct14	Nov01	Nov19		242	217	192	15
	28	Feb19	Mar14	Apr06		Oct28	Nov15	Dec02		274	245	216	9
NEWBERRY	36	Mar31	Apr17	May04		Oct08	Oct21	Nov03		206	187	167	23
	32	Mar20	Apr04	Apr20		Oct15	Nov02	Nov19		231	211	190	17
	28	Mar03	Mar21	Apr08		Oct30	Nov15	Nov30		263	238	213	10
NINETY NINE ISLANDS	36	Apr19	May03	May17		Sep29	Oct09	Oct19		176	158	141	33
	32	Apr11	Apr25	May10		Oct05	Oct19	Nov02		194	176	158	25
	28	Mar23	Apr08	Apr23		Oct17	Oct31	Nov15		225	206	186	17
ORANGEBURG 2	36	Mar21	Apr06	Apr21		Oct09	Oct27	Nov14		229	204	178	20
	32	Mar02	Mar22	Apr12		Oct23	Nov11	Nov30		263	233	203	13
	28	Feb08	Mar04	Mar27		Nov04	Nov25	Dec16		294	266	238	7
PAGELAND	36	Mar27	Apr14	May01		Oct11	Oct24	Nov07		216	193	170	22
	32	Mar13	Apr01	Apr20		Oct18	Nov06	Nov25		245	219	193	15
	28	Feb27	Mar18	Apr06		Oct29	Nov14	Nov30		267	240	214	9
PARR	36	Apr04	Apr21	May09		Oct03	Oct19	Nov03		205	180	155	27
	32	Mar18	Apr06	Apr26		Oct14	Nov01	Nov19		238	208	178	20
	28	Feb27	Mar23	Apr16		Oct29	Nov17	Dec05		273	238	203	12
PELION 4 NW	36	Apr01	Apr16	May02		Oct05	Oct17	Oct28		200	183	165	23
	32	Mar21	Apr07	Apr25		Oct10	Oct25	Nov10		226	200	174	16
	28	Mar07	Mar25	Apr11		Oct23	Nov11	Nov30		256	230	204	10
PICKENS	36	Mar26	Apr15	May05		Oct08	Oct22	Nov04		216	189	162	24
	32	Mar08	Mar31	Apr22		Oct17	Nov05	Nov25		247	219	190	17
	28	Feb13	Mar14	Apr12		Nov01	Nov15	Nov30		276	246	215	10
SALUDA	36	Apr04	Apr19	May04		Oct04	Oct19	Nov02		205	182	160	27
	32	Mar19	Apr07	Apr25		Oct11	Oct27	Nov13		232	203	174	20
	28	Mar03	Mar22	Apr10		Oct27	Nov13	Nov30		263	236	208	13
SANDHILL RESEARCH ELGIN	36	Mar22	Apr06	Apr21		Oct13	Oct29	Nov15		225	206	187	21
	32	Mar11	Mar28	Apr14		Oct24	Nov11	Nov28		254	227	199	14
	28	Feb19	Mar15	Apr08		Nov03	Nov23	Dec12		276	252	228	8
SANTUCK	36	Apr03	Apr16	Apr28		Oct06	Oct20	Nov02		203	186	169	22
	32	Mar17	Apr04	Apr22		Oct18	Nov03	Nov20		236	212	188	16
	28	Mar02	Mar19	Apr06		Oct30	Nov15	Dec02		264	241	217	10
SULLIVANS ISLAND	36	Feb25	Mar19	Apr10		Oct30	Nov21	Dec13		274	246	218	9
	32	Feb03	Feb27	Mar24		Nov14	Dec07	Dec30		318	282	246	5
	28	Jan15	Feb17	Mar19		Nov28	Dec30	Feb03		>365	309	269	2

SUMMERVILLE	36 32 28	Mar19 Mar06 Feb04	Apr09 Mar28 Mar04	Apr29 Apr16 Mar30		Oct10 Oct20 Nov07	Oct29 Nov11 Nov30	Nov17 Dec04 Dec30	237 266 317	203 228 270	170 198 233	19 12 7
SUMTER	36 32 28	Mar22 Mar08 Feb17	Apr06 Mar25 Mar11	Apr22 Apr11 Apr02		Oct09 Oct21 Oct28	Oct25 Nov08 Nov15	Nov10 Nov26 Dec04	224 253 277	201 227 249	178 202 221	21 15 9
UNION 8 SW	36 32 28	Apr15 Mar30 Mar14	Apr29 Apr13 Mar29	May12 Apr27 Apr13		Oct03 Oct09 Oct19	Oct15 Oct27 Nov06	Oct28 Nov15 Nov24	188 217 244	169 197 222	150 177 199	33 25 17
WALHALLA	36 32 28	Apr12 Apr08 Mar15	May01 Apr20 Apr02	May20 May03 Apr20		Oct01 Oct07 Oct18	Oct11 Oct21 Nov05	Oct22 Nov04 Nov23	185 200 236	163 183 216	140 166 196	28 21 14
WALTERBORO 1 SW	36 32 28	Mar18 Mar02 Feb10	Apr06 Mar23 Mar04	Apr26 Apr14 Mar26		Oct12 Oct21 Oct30	Oct25 Nov08 Nov24	Nov08 Nov27 Dec19	229 260 294	201 229 264	174 199 235	17 11 6
WEDGEFIELD	36 32 28	Mar22 Mar06 Feb16	Apr09 Mar28 Mar12	Apr28 Apr20 Apr06		Oct10 Oct16 Oct25	Oct27 Nov06 Nov18	Nov12 Nov26 Dec11	226 255 285	200 221 249	173 188 214	19 13 7
WEST PELZER 2 W	36 32 28	Apr03 Mar17 Mar06	Apr19 Apr05 Mar24	May04 Apr24 Apr11		Oct05 Oct12 Oct29	Oct19 Oct28 Nov14	Nov01 Nov13 Nov30	200 229 257	182 205 234	164 180 211	25 18 12
WINNSBORO	36 32 28	Mar23 Mar13 Feb26	Apr12 Apr01 Mar18	May02 Apr20 Apr08		Oct12 Oct18 Oct31	Oct25 Nov06 Nov17	Nov07 Nov24 Dec05	221 244 274	195 218 244	169 192 213	24 17 10
WINTHROP UNIVERSITY	36 32 28	Mar24 Mar10 Feb19	Apr08 Mar27 Mar12	Apr22 Apr14 Apr01		Oct13 Oct23 Nov05	Oct29 Nov08 Nov21	Nov14 Nov25 Dec07	222 249 277	203 225 253	184 202 230	21 14 8
YEMASSEE	36 32 28	Mar25 Mar07 Feb12	Apr11 Mar28 Mar08	Apr28 Apr18 Mar31		Oct10 Oct19 Oct30	Oct27 Nov06 Nov18	Nov13 Nov24 Dec07	224 251 282	198 222 255	172 194 227	18 13 8

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 (Aug 1 - Jul 31).  
(percent of days with temperatures at or below the threshold temperature)

Freeze / Frost Occurrence Data

All probabilities in whole percent. See notes for probability level description.  
- Indicates the probability of occurrence of threshold temperatureis less than indicated probability.

State And Station Name	Thresh hold (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			Prob o b a b i l i t y  (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
South Dakota											
ABERDEEN RGNL AP	36	May05	May17	May28	Sep06	Sep16	Sep25	139	121	104	54
	32	Apr26	May08	May20	Sep11	Sep21	Oct02	152	135	119	48
	28	Apr11	Apr27	May14	Sep20	Oct05	Oct19	176	160	143	41
ACADEMY 2 NE	36	Apr28	May14	May30	Sep05	Sep20	Oct06	153	129	104	51
	32	Apr18	May04	May19	Sep16	Sep28	Oct11	169	147	125	46
	28	Apr10	Apr25	May10	Sep24	Oct10	Oct25	188	167	146	38
ALEXANDRIA	36	Apr24	May09	May24	Sep15	Sep24	Oct04	158	138	117	48
	32	Apr14	Apr30	May15	Sep20	Oct01	Oct12	172	154	135	42
	28	Apr05	Apr21	May07	Sep26	Oct12	Oct28	190	173	156	35
ARDMORE 2 N	36	May13	Jun04	Jun25	Aug26	Sep10	Sep25	121	98	75	59
	32	May03	May17	May31	Sep08	Sep17	Sep26	139	122	105	53
	28	Apr22	May04	May17	Sep11	Sep24	Oct07	160	142	123	45
ARMOUR	36	Apr26	May09	May21	Sep11	Sep22	Oct03	153	136	118	49
	32	Apr18	May03	May17	Sep16	Sep30	Oct13	170	149	128	43
	28	Apr07	Apr22	May07	Sep24	Oct10	Oct26	189	170	151	36
BELLE FOURCHE	36	May04	May19	Jun03	Sep03	Sep14	Sep25	136	117	98	55
	32	Apr27	May10	May23	Sep12	Sep23	Oct04	154	135	117	47
	28	Apr12	Apr27	May12	Sep17	Oct01	Oct15	177	156	135	39
BISON	36	May05	May22	Jun09	Sep08	Sep16	Sep25	136	116	96	54
	32	Apr25	May11	May27	Sep10	Sep23	Oct06	156	135	114	48
	28	Apr17	May03	May18	Sep18	Oct04	Oct20	176	154	131	40
BONESTEEL	36	Apr27	May12	May27	Sep11	Sep22	Oct03	150	133	115	50
	32	Apr21	May04	May17	Sep17	Oct03	Oct19	176	151	127	44
	28	Apr09	Apr23	May07	Sep26	Oct12	Oct28	193	172	150	37
BRIDGEWATER	36	Apr25	May09	May24	Sep14	Sep24	Oct03	156	136	117	50
	32	Apr16	Apr30	May14	Sep20	Oct02	Oct13	171	154	137	44
	28	Apr06	Apr22	May07	Sep25	Oct11	Oct26	190	171	152	37
BRITTON	36	May07	May21	Jun04	Sep02	Sep14	Sep25	136	115	95	53
	32	Apr27	May11	May24	Sep11	Sep23	Oct04	152	134	117	48
	28	Apr18	May03	May18	Sep20	Oct03	Oct15	171	152	134	41
BROOKINGS 2 NE	36	May10	May23	Jun05	Sep04	Sep14	Sep24	131	113	96	56
	32	Apr28	May12	May25	Sep11	Sep21	Sep30	151	131	111	50
	28	Apr16	Apr30	May14	Sep16	Oct01	Oct15	174	153	132	43
CAMP CROOK	36	May10	Jun03	Jun27	Aug19	Sep03	Sep19	120	92	64	59
	32	May07	May25	Jun11	Aug31	Sep13	Sep26	134	111	87	52
	28	Apr24	May07	May20	Sep05	Sep20	Oct04	155	135	114	44
CANTON 4 WNW	36	Apr27	May13	May30	Sep08	Sep19	Sep29	152	128	104	50
	32	Apr20	May03	May15	Sep16	Sep27	Oct08	165	147	128	45
	28	Apr12	Apr25	May08	Sep21	Oct04	Oct18	177	162	146	37
CASTLEWOOD	36	May04	May25	Jun16	Sep04	Sep14	Sep24	136	111	86	56
	32	Apr28	May13	May27	Sep10	Sep22	Oct04	152	131	111	50
	28	Apr17	May03	May18	Sep17	Sep30	Oct13	169	150	130	43

CEDAR BUTTE 1 NE	36	May/02	May/16	May/31	Sep/12	Sep/23	Oct/03	146	129	111	50
	32	Apr/19	May/05	May/20	Sep/19	Oct/02	Oct/14	169	149	129	43
CENTERVILLE 6 SE	28	Apr/12	Apr/26	May/10	Sep/21	Oct/10	Oct/29	191	166	140	35
	36	Apr/25	May/10	May/26	Sep/08	Sep/18	Sep/29	153	130	107	52
CLARK	32	Apr/18	May/02	May/16	Sep/11	Sep/24	Oct/07	165	144	123	46
	28	Apr/08	Apr/24	May/10	Sep/18	Oct/04	Oct/20	182	162	142	39
CLEAR LAKE	36	May/02	May/15	May/28	Sep/13	Sep/23	Oct/03	148	130	112	53
	32	Apr/23	May/05	May/17	Sep/20	Sep/30	Oct/09	162	147	131	48
COLUMBIA 8 N	28	Apr/12	Apr/26	May/10	Sep/24	Oct/07	Oct/19	182	163	144	41
	36	May/05	May/17	May/30	Sep/10	Sep/21	Oct/03	146	126	107	52
COLUMBIA 8 N	32	Apr/25	May/08	May/22	Sep/18	Sep/29	Oct/10	160	143	126	47
	28	Apr/12	Apr/27	May/12	Sep/24	Oct/08	Oct/21	181	163	145	39
CONDE	36	May/04	May/16	May/29	Sep/07	Sep/17	Sep/27	142	123	105	55
	32	Apr/23	May/08	May/22	Sep/12	Sep/23	Oct/04	159	138	117	50
COTTONWOOD 2 E	28	Apr/15	Apr/29	May/14	Sep/22	Oct/05	Oct/18	173	158	142	43
	36	May/06	May/16	May/28	Sep/04	Sep/13	Sep/23	130	107	84	57
CUSTER	32	May/04	May/16	May/28	Sep/11	Sep/19	Sep/28	140	126	112	51
	28	Apr/22	May/05	May/18	Sep/16	Oct/02	Oct/17	170	149	128	44
DEADWOOD	36	May/22	Jun/13	Jul/05	Aug/15	Sep/02	Sep/21	109	80	51	62
	32	May/06	Jun/01	Jun/27	Aug/30	Sep/13	Sep/27	135	103	71	54
DE SMET	28	May/01	May/15	May/30	Sep/10	Sep/22	Oct/05	151	129	107	46
	36	May/17	Jun/09	Jul/01	Aug/25	Sep/11	Sep/27	122	93	64	59
DEADWOOD	32	May/12	May/28	Jun/13	Sep/08	Sep/19	Sep/29	137	113	89	52
	28	Apr/24	May/14	Jun/02	Sep/15	Sep/30	Oct/16	163	139	114	44
DUPREE	36	May/06	May/23	Jun/09	Aug/25	Sep/11	Sep/27	122	93	64	59
	32	Apr/29	May/10	May/21	Sep/07	Sep/16	Sep/25	136	115	95	54
DUPREE	28	Apr/18	May/02	May/17	Sep/10	Sep/21	Oct/03	149	134	118	48
	36	May/06	May/23	Jun/09	Sep/15	Oct/02	Oct/19	177	152	127	40
DUPREE 15 SSE	36	Apr/30	May/24	Jun/18	Sep/07	Sep/17	Oct/02	144	115	86	54
	32	Apr/25	May/10	May/26	Sep/02	Sep/23	Oct/09	161	135	109	48
EUREKA	28	Apr/18	May/02	May/16	Sep/15	Oct/01	Oct/17	174	152	129	40
	36	May/06	May/22	Jun/08	Sep/01	Sep/14	Sep/27	138	114	89	56
FAITH	32	Apr/27	May/10	May/22	Sep/11	Sep/22	Oct/02	152	134	117	50
	28	Apr/17	May/02	May/17	Sep/20	Oct/05	Oct/20	176	156	135	44
FAITH	36	May/02	May/18	Jun/03	Sep/11	Sep/20	Sep/29	144	124	105	52
	32	Apr/25	May/08	May/20	Sep/14	Sep/26	Oct/08	159	141	123	46
FAULKTON 1 NW	28	Apr/12	Apr/26	May/09	Sep/19	Oct/06	Oct/22	184	162	140	39
	36	Apr/29	May/22	Jun/14	Aug/27	Sep/12	Sep/28	146	113	79	54
FLANDREAU	32	Apr/24	May/09	May/24	Sep/13	Sep/24	Oct/04	158	137	116	47
	28	Apr/16	May/01	May/16	Sep/16	Sep/30	Oct/15	173	151	129	41
FORESTBURG 3 NE	36	May/03	May/18	Jun/02	Sep/07	Sep/17	Sep/27	141	122	102	54
	32	Apr/19	May/04	May/18	Sep/13	Sep/26	Oct/09	165	145	124	48
FORESTBURG 3 NE	28	Apr/09	Apr/25	May/11	Sep/22	Oct/07	Oct/21	182	163	145	42
	36	May/01	May/14	May/27	Sep/09	Sep/19	Sep/29	146	128	109	51
FORT MEADE	32	Apr/18	May/03	May/18	Sep/16	Sep/28	Oct/09	166	147	128	45
	28	Apr/12	Apr/24	May/07	Sep/21	Oct/05	Oct/19	182	163	145	38
FORT MEADE	36	May/06	May/21	Jun/05	Sep/08	Sep/19	Sep/30	141	120	100	51
	32	Apr/27	May/07	May/17	Sep/13	Sep/27	Oct/11	161	142	123	44
GANN VALLEY 4 NW	28	Apr/15	Apr/27	May/10	Sep/21	Oct/07	Oct/23	183	162	141	35
	36	May/02	May/17	May/31	Sep/09	Sep/19	Sep/28	146	125	103	53
GANN VALLEY 4 NW	32	Apr/26	May/08	May/20	Sep/15	Sep/27	Oct/08	159	141	123	48
	28	Apr/15	Apr/30	May/14	Sep/21	Oct/05	Oct/19	175	158	140	41

GETTYSBURG	36 32 28	May/02 Apr/23 Apr/14	May/15 May/06 Apr/26	May/28 May/20 May/08	Sep/10 Sep/15 Sep/21	Sep/20 Sep/27 Oct/06	Sep/29 Oct/09 Oct/21	146 164 179	127 143 162	107 123 144	54 49 42
GLAD VALLEY 2 W	36 32 28	May/06 Apr/29 Apr/17	May/24 May/11 May/02	Jun/11 May/23 May/18	Aug/31 Sep/12 Sep/16	Sep/14 Sep/24 Sep/30	Sep/28 Oct/06 Oct/14	133 152 170	112 135 150	91 118 129	55 49 42
GREGORY	36 32 28	May/03 Apr/26 Apr/14	May/17 May/08 Apr/29	May/31 May/21 May/14	Sep/10 Sep/16 Sep/22	Sep/18 Sep/28 Oct/08	Sep/26 Oct/10 Oct/23	143 161 182	124 142 161	104 122 139	52 46 38
HARRINGTON	36 32 28	May/07 May/01 Apr/21	May/26 May/14 May/03	Jun/14 Jun/28 May/15	Sep/06 Sep/08 Sep/13	Sep/15 Sep/21 Sep/28	Sep/25 Oct/03 Oct/13	132 150 169	112 128 147	92 107 126	55 49 41
HARROLD 12 SSW	36 32 28	May/05 Apr/23 Apr/20	May/29 May/17 May/03	Jun/22 Jun/11 May/16	Aug/27 Sep/02 Sep/14	Sep/12 Sep/19 Sep/30	Sep/27 Oct/07 Oct/15	135 157 172	105 124 149	74 92 126	56 50 44
HIGHMORE 1 W	36 32 28	Apr/30 Apr/26 Apr/16	May/23 May/10 Apr/30	Jun/14 May/24 May/15	Sep/03 Sep/13 Sep/22	Sep/16 Sep/24 Oct/06	Sep/30 Oct/05 Oct/21	145 156 181	116 136 158	87 116 135	53 48 40
HIGHMORE 23 N	36 32 28	May/03 Apr/19 Apr/19	May/28 May/15 May/05	Jun/22 Jun/10 May/21	Aug/26 Sep/09 Sep/14	Sep/11 Sep/20 Sep/27	Sep/26 Oct/01 Oct/11	136 160 170	105 128 145	75 95 120	55 50 42
HILLAND 2 NW	36 32 28	May/07 Apr/24 Apr/12	May/21 May/12 May/02	Jun/05 May/29 May/22	Sep/07 Sep/11 Sep/17	Sep/17 Sep/26 Oct/06	Sep/27 Oct/10 Oct/25	137 160 188	118 137 157	99 113 125	54 47 40
HILL CITY	36 32 28	May/29 May/13 May/12	Jun/23 Jun/09 May/27	Jul/18 Jul/05 Jun/10	Jul/29 Jul/31 Aug/4	Aug/18 Aug/24 Sep/2	Sep/09 Sep/18 Oct/2	84 108 129	56 76 98	27 44 67	68 62 54
HOT SPRINGS	36 32 28	May/08 May/02 Apr/19	May/26 May/16 May/02	Jun/13 May/29 May/15	Sep/02 Sep/07 Sep/15	Sep/13 Sep/20 Oct/1	Sep/25 Oct/2 Oct/16	131 145 171	109 126 151	87 108 131	56 48 40
HOWARD	36 32 28	Apr/28 Apr/19 Apr/09	May/12 May/02 Apr/24	May/26 May/15 May/10	Sep/11 Sep/18 Sep/20	Sep/21 Sep/28 Oct/6	Oct/2 Oct/9 Oct/22	152 167 183	131 148 164	111 130 145	51 45 39
HURON AP	36 32 28	May/04 Apr/20 Apr/08	May/19 May/05 Apr/26	Jun/02 May/20 May/13	Sep/10 Sep/14 Sep/22	Sep/20 Sep/27 Oct/7	Sep/30 Oct/11 Oct/22	143 166 185	124 145 163	104 123 141	53 46 39
INTERIOR 3 NE	36 32 28	Apr/30 Apr/20 Apr/07	May/14 May/03 Apr/22	May/28 May/17 May/06	Sep/08 Sep/17 Sep/24	Sep/23 Oct/2 Oct/10	Oct/7 Oct/16 Oct/27	150 169 192	131 151 171	113 133 150	48 41 33
IPSWICH	36 32 28	Apr/30 Apr/27 Apr/17	May/24 May/11 May/04	Jun/16 May/26 May/21	Sep/01 Sep/11 Sep/17	Sep/13 Sep/22 Oct/2	Sep/26 Oct/2 Oct/16	141 154 173	112 133 150	83 111 127	56 51 44
KENNEBEC	36 32 28	Apr/28 Apr/27 Apr/16	May/22 May/09 May/01	Jun/15 May/21 May/15	Sep/07 Sep/13 Sep/20	Sep/17 Sep/24 Oct/5	Sep/26 Oct/4 Oct/19	144 156 178	117 137 156	90 118 135	52 46 39
KIRLEY 6 N	36 32 28	May/01 Apr/24 Apr/10	May/13 May/06 Apr/24	May/26 May/18 May/07	Sep/10 Sep/15 Sep/21	Sep/20 Sep/29 Oct/9	Sep/30 Oct/12 Oct/27	145 164 192	129 145 168	113 125 143	52 45 38
LEAD	36 32 28	May/14 May/06 Apr/24	Jun/02 May/25 May/07	Jun/22 Jun/14 May/19	Sep/02 Sep/11 Sep/16	Sep/13 Sep/20 Oct/3	Sep/23 Sep/30 Oct/19	125 140 170	102 117 148	78 95 126	55 47 38
LEMMON	36 32 28	May/06 Apr/30 Apr/18	May/22 May/12 May/03	Jun/08 May/25 May/17	Sep/08 Sep/12 Sep/19	Sep/18 Sep/24 Oct/4	Sep/27 Oct/6 Oct/19	136 150 174	118 134 154	99 117 134	55 49 41
LEOLA	36 32 28	May/04 Apr/23 Apr/17	May/17 May/07 Apr/30	May/30 May/21 May/14	Sep/07 Sep/15 Sep/20	Sep/17 Sep/25 Oct/4	Sep/27 Oct/5 Oct/17	140 159 174	122 140 156	104 121 137	55 49 42

LONG VALLEY	36 32 28	May/03 Apr/26 Apr/18	May/20 May/11 May/02	Jun/07 May/25 May/17	Sep/06 Sep/13 Sep/15	Sep/17 Sep/25 Oct/04	Sep/28 Oct/08 Oct/22	140 157 178	119 137 153	98 116 128	51 44 37
LUDDLOW 3 SSE	36 32 28	May/08 Apr/30 Apr/19	May/30 May/20 May/07	Jun/21 Jun/08 May/25	Aug/26 Sep/08 Sep/12	Sep/10 Sep/20 Sep/26	Sep/25 Oct/02 Oct/11	129 147 166	102 123 142	75 99 117	57 50 43
MADISON 2 SE	36 32 28	Apr/29 Apr/20 Apr/08	May/13 May/03 Apr/23	May/28 May/16 May/08	Sep/11 Sep/16 Sep/23	Sep/22 Sep/27 Oct/08	Oct/03 Oct/09 Oct/23	153 164 182	131 147 167	110 130 152	52 46 39
MANDERSON 3 NE	36 32 28	May/05 May/01 Apr/22	May/24 May/13 May/03	Jun/11 Jun/25 May/14	Sep/08 Sep/11 Sep/16	Sep/19 Sep/25 Oct/01	Sep/29 Oct/09 Oct/16	141 156 169	117 135 151	94 113 133	56 50 42
MARION	36 32 28	Apr/24 Apr/17 Apr/07	May/08 May/02 Apr/21	May/22 May/17 May/05	Sep/13 Sep/18 Sep/24	Sep/25 Oct/02 Oct/10	Oct/06 Oct/16 Oct/27	159 172 189	139 152 172	119 133 154	52 46 39
MARTIN	36 32 28	May/04 Apr/27 Apr/18	May/23 May/12 May/01	Jun/11 May/27 May/15	Sep/06 Sep/13 Sep/21	Sep/17 Sep/25 Oct/07	Sep/27 Oct/07 Oct/23	137 155 178	116 135 158	95 115 138	54 47 38
MC INTOSH 6 SE	36 32 28	May/04 Apr/25 Apr/15	May/19 May/10 Apr/28	Jun/04 May/24 May/12	Sep/06 Sep/13 Sep/20	Sep/16 Sep/26 Oct/03	Sep/26 Oct/09 Oct/16	140 158 176	119 138 157	98 119 138	54 48 41
MC LAUGHLIN	36 32 28	May/07 Apr/27 Apr/21	May/23 May/15 May/03	Jun/07 Jun/01 May/16	Sep/05 Sep/10 Sep/18	Sep/15 Sep/22 Oct/02	Sep/25 Oct/04 Oct/15	135 150 170	114 130 151	94 109 131	56 51 44
MELLETTTE	36 32 28	Apr/30 Apr/28 Apr/20	May/23 May/11 May/02	Jun/15 May/25 May/15	Sep/01 Sep/13 Sep/18	Sep/13 Sep/23 Oct/01	Sep/26 Oct/04 Oct/14	141 154 168	113 134 151	84 114 133	56 51 44
MENNO	36 32 28	Apr/22 Apr/18 Apr/08	May/08 May/02 Apr/22	May/25 May/15 May/06	Sep/09 Sep/15 Sep/22	Sep/19 Sep/28 Oct/07	Sep/29 Oct/11 Oct/22	152 167 186	133 149 167	114 130 149	49 43 36
MIDLAND	36 32 28	May/04 Apr/27 Apr/18	May/27 May/14 May/04	Jun/20 May/30 May/19	Sep/01 Sep/08 Sep/17	Sep/12 Sep/20 Sep/30	Sep/24 Oct/01 Oct/12	135 149 170	107 128 148	80 107 126	54 49 42
MILBANK 2 SSW	36 32 28	May/04 Apr/23 Apr/10	May/17 May/05 Apr/25	May/30 May/18 May/09	Sep/08 Sep/14 Sep/25	Sep/19 Sep/28 Oct/08	Sep/29 Oct/11 Oct/22	142 162 188	124 145 166	106 128 144	54 49 41
MILESVILLE 5 NE	36 32 28	May/05 Apr/25 Apr/15	May/20 May/08 Apr/29	Jun/05 May/20 May/12	Sep/10 Sep/14 Sep/21	Sep/18 Sep/29 Oct/07	Sep/27 Oct/13 Oct/24	137 162 182	120 143 161	104 124 139	52 46 38
MILLER	36 32 28	May/01 Apr/21 Apr/13	May/14 May/04 Apr/26	May/26 May/17 May/10	Sep/12 Sep/21 Sep/24	Sep/22 Oct/02 Oct/10	Oct/02 Oct/14 Oct/25	148 167 184	130 150 166	112 134 148	52 46 38
MISSION	36 32 28	May/01 Apr/27 Apr/17	May/24 May/12 May/02	Jun/16 May/27 May/17	Sep/06 Sep/12 Sep/18	Sep/16 Sep/25 Oct/05	Sep/26 Oct/07 Oct/21	141 158 177	115 135 155	88 113 133	54 47 40
MISSION 14 S	36 32 28	May/05 Apr/27 Apr/17	May/22 May/08 Apr/30	Jun/09 May/19 May/13	Sep/08 Sep/14 Sep/22	Sep/20 Sep/27 Oct/07	Oct/01 Oct/10 Oct/23	142 158 176	120 141 159	98 124 143	53 47 39
MITCHELL 2 N	36 32 28	Apr/26 Apr/15 Apr/08	May/11 May/01 Apr/22	May/25 May/17 May/06	Sep/13 Sep/17 Sep/25	Sep/23 Oct/01 Oct/13	Oct/03 Oct/15 Oct/31	155 175 194	135 153 174	115 131 153	51 45 38
MOBRIDGE 2 NNW	36 32 28	Apr/30 Apr/24 Apr/11	May/15 May/04 Apr/22	May/29 May/13 May/03	Sep/16 Sep/21 Sep/26	Sep/26 Oct/04 Oct/10	Oct/05 Oct/16 Oct/24	150 169 186	133 152 170	117 136 154	52 47 40
MT RUSHMORE NATL MEM	36 32 28	May/11 Apr/29 Apr/15	May/30 May/18 May/04	Jun/18 Jun/06 May/23	Sep/09 Sep/13 Sep/19	Sep/20 Sep/24 Oct/06	Sep/30 Oct/04 Oct/24	135 149 180	112 128 154	89 107 128	51 43 34



MURDO	36	Ap/30	May/13	May/26	Sep/10	Sep/22	Oct/05	151	132	113	51
	32	Ap/22	May/06	May/20	Sep/18	Oct/02	Oct/16	166	149	132	45
	28	Ap/12	Ap/26	May/09	Sep/22	Oct/09	Oct/25	188	165	142	38
NEWELL	36	May/04	May/22	Jun/09	Sep/08	Sep/18	Sep/28	141	119	96	55
	32	Ap/28	May/11	May/24	Sep/11	Sep/25	Oct/08	156	136	115	49
	28	Ap/11	Ap/28	May/14	Sep/19	Oct/05	Oct/20	185	159	133	41
OAHE DAM	36	Ap/27	May/11	May/24	Sep/18	Sep/29	Oct/10	158	140	122	51
	32	Ap/19	May/03	May/16	Sep/23	Oct/06	Oct/20	175	156	137	45
	28	Ap/08	Ap/21	May/03	Sep/28	Oct/14	Oct/29	194	175	157	37
OELRICHS	36	May/04	May/26	Jun/17	Sep/05	Sep/15	Sep/25	135	112	88	55
	32	Ap/30	May/14	May/27	Sep/09	Sep/23	Oct/07	153	132	110	48
	28	Ap/20	May/01	May/13	Sep/20	Oct/03	Oct/16	171	154	137	39
ONIDA 4 NW	36	Ap/30	May/16	May/31	Sep/06	Sep/17	Sep/27	142	123	105	52
	32	Ap/24	May/07	May/20	Sep/13	Sep/26	Oct/09	159	141	124	47
	28	Ap/15	Ap/29	May/13	Sep/22	Oct/06	Oct/20	178	159	140	39
ORAL	36	May/05	May/29	Jun/22	Sep/03	Sep/13	Sep/24	133	107	80	58
	32	Ap/30	May/14	May/27	Sep/07	Sep/20	Oct/03	149	129	109	51
	28	Ap/23	May/05	May/17	Sep/14	Oct/01	Oct/17	169	148	127	43
PACTOLA DAM	36	Jun/02	Jun/23	Jul/15	Aug/15	Aug/31	Sep/17	97	68	40	67
	32	May/15	Jun/08	Jul/01	Aug/24	Sep/09	Sep/24	118	92	66	59
	28	May/01	May/18	Jun/05	Sep/09	Sep/20	Oct/01	147	124	101	51
PHILIP 1 S	36	May/07	May/22	Jun/06	Sep/09	Sep/18	Sep/27	137	118	99	53
	32	Ap/29	May/12	May/25	Sep/13	Sep/23	Oct/03	149	134	118	47
	28	Ap/16	Ap/29	May/12	Sep/19	Oct/05	Oct/20	178	158	137	40
PICKSTOWN	36	Ap/28	May/10	May/21	Sep/15	Sep/27	Oct/09	158	140	122	48
	32	Ap/16	Ap/30	May/14	Sep/22	Oct/07	Oct/21	177	158	140	41
	28	Ap/06	Ap/19	May/02	Sep/30	Oct/15	Oct/31	195	179	162	34
PIERRE RGNL AP	36	Ap/28	May/11	May/24	Sep/11	Sep/21	Oct/01	151	132	114	50
	32	Ap/19	May/02	May/16	Sep/19	Oct/03	Oct/17	172	153	134	44
	28	Ap/10	Ap/23	May/06	Sep/26	Oct/11	Oct/27	189	171	152	37
POLLOCK	36	May/06	May/18	May/29	Sep/09	Sep/20	Sep/30	141	124	107	54
	32	Ap/26	May/09	May/22	Sep/12	Sep/24	Oct/07	158	138	117	49
	28	Ap/17	Ap/29	May/12	Sep/22	Oct/05	Oct/18	175	158	141	42
PORCUPINE 11 N	36	May/08	Jun/03	Jun/29	Aug/24	Sep/11	Sep/29	134	99	64	56
	32	Ap/28	May/17	Jun/05	Sep/08	Sep/19	Sep/30	147	124	101	50
	28	Ap/20	May/05	May/20	Sep/15	Sep/28	Oct/12	170	145	121	42
RALPH 1 N	36	May/14	Jun/08	Jul/02	Aug/13	Sep/01	Sep/20	122	85	48	59
	32	Ap/30	May/25	Jun/18	Aug/30	Sep/14	Sep/29	141	112	82	53
	28	Ap/26	May/09	May/23	Sep/06	Sep/20	Oct/05	156	133	111	45
RAPID CITY RGNL AP	36	May/07	May/24	Jun/11	Sep/09	Sep/19	Sep/28	138	116	95	54
	32	Ap/23	May/09	May/25	Sep/13	Sep/27	Oct/11	164	140	117	47
	28	Ap/14	Ap/28	May/12	Sep/21	Oct/07	Oct/23	181	162	142	38
RAPID CITY 4 NW	36	May/06	May/23	Jun/09	Sep/09	Sep/21	Oct/03	144	120	96	53
	32	Ap/27	May/10	May/24	Sep/12	Sep/28	Oct/15	164	140	117	46
	28	Ap/13	Ap/28	May/13	Sep/19	Oct/07	Oct/25	186	161	137	38
REDFIELD 5 SE	36	Ap/30	May/23	Jun/14	Sep/05	Sep/15	Sep/24	142	114	87	55
	32	Ap/24	May/10	May/25	Sep/12	Sep/23	Oct/05	157	136	115	49
	28	Ap/20	May/03	May/16	Sep/18	Oct/02	Oct/17	170	152	133	42
REDIG 11 NE BUFFALO	36	May/12	May/29	Jun/15	Aug/29	Sep/10	Sep/21	124	103	82	57
	32	Ap/30	May/15	May/30	Sep/07	Sep/19	Sep/30	146	126	105	51
	28	Ap/23	May/06	May/20	Sep/13	Sep/28	Oct/12	166	144	122	43
ROSCOE	36	May/04	May/18	Jun/01	Sep/09	Sep/18	Sep/28	143	123	102	56
	32	Ap/25	May/07	May/20	Sep/12	Sep/23	Oct/04	157	138	119	51
	28	Ap/20	May/01	May/12	Sep/20	Oct/03	Oct/16	172	154	137	44
SELBY	36	May/04	May/19	Jun/03	Sep/01	Sep/15	Sep/29	141	118	96	55
	32	Ap/29	May/12	May/24	Sep/12	Sep/24	Oct/06	154	135	115	50
	28	Ap/21	May/02	May/13	Sep/18	Sep/30	Oct/12	167	150	133	43

SIoux FALLS AP	36 32 28	Ap/30 Ap/18 Ap/12	May/15 May/03 Apr/26	May/30 May/19 May/09	Sep/10 Sep/15 Sep/22	Sep/21 Sep/28 Oct/06	Oct/01 Oct/11 Oct/20	150 169 181	128 147 163	106 126 146	52 46 38
SISSETON	36 32 28	May/02 Apr/24 Apr/10	May/15 May/05 Apr/25	May/29 May/17 May/09	Sep/12 Sep/16 Sep/27	Sep/21 Sep/29 Oct/09	Oct/01 Oct/12 Oct/22	146 164 188	128 147 167	111 129 146	52 46 38
SPEARFISH	36 32 28	May/04 Apr/25 Apr/12	May/20 May/08 Apr/25	Jun/06 May/21 May/07	Sep/05 Sep/11 Sep/24	Sep/20 Sep/29 Oct/12	Oct/04 Oct/17 Oct/31	148 166 194	122 143 170	95 120 146	51 43 35
STEPHAN 2 NW	36 32 28	May/04 Apr/27 Apr/19	May/24 May/11 May/03	Jun/13 May/24 May/17	Sep/02 Sep/05 Sep/20	Sep/15 Sep/20 Oct/03	Sep/28 Oct/05 Oct/16	143 157 171	113 132 152	83 106 133	55 50 43
SUMMIT 1 W	36 32 28	May/08 May/02 Apr/20	May/27 May/18 May/04	Jun/14 Jun/03 May/18	Aug/29 Sep/09 Sep/17	Sep/12 Sep/21 Sep/30	Sep/26 Oct/02 Oct/14	133 145 169	108 125 149	82 105 129	56 51 44
TIMBER LAKE	36 32 28	May/04 Apr/27 Apr/15	May/19 May/10 Apr/29	Jun/02 May/22 May/13	Sep/10 Sep/14 Sep/20	Sep/19 Sep/28 Oct/04	Sep/27 Oct/11 Oct/18	139 159 177	122 140 157	105 122 138	53 47 40
TYNDALL	36 32 28	Apr/21 Apr/17 Apr/03	May/05 Apr/30 Apr/19	May/19 May/12 May/06	Sep/12 Sep/19 Sep/26	Sep/24 Oct/04 Oct/11	Oct/05 Oct/20 Oct/26	161 174 194	141 157 174	122 140 154	48 42 35
USTA 8 WNW KELLY RANCH	36 32 28	May/04 Apr/29 Apr/25	May/31 May/16 May/07	Jun/28 Jun/02 May/19	Aug/05 Aug/14 Aug/22	Aug/29 Sep/07 Sep/13	Sep/21 Oct/01 Oct/06	123 143 156	89 113 129	55 84 101	61 54 46
VERMILLION 2 SE	36 32 28	Apr/28 Apr/17 Apr/09	May/10 May/02 Apr/26	May/22 May/16 May/13	Sep/09 Sep/18 Sep/22	Sep/22 Sep/29 Oct/09	Oct/05 Oct/11 Oct/26	154 167 189	135 150 166	115 133 142	48 43 35
WAGNER	36 32 28	Apr/25 Apr/15 Apr/07	May/07 Apr/29 Apr/20	May/19 May/14 May/02	Sep/14 Sep/21 Sep/28	Sep/25 Oct/06 Oct/14	Oct/06 Oct/20 Oct/29	158 176 196	140 159 177	122 141 157	47 41 34
WASTA	36 32 28	May/05 Apr/27 Apr/15	May/20 May/10 Apr/30	Jun/04 May/23 May/15	Sep/04 Sep/11 Sep/19	Sep/16 Sep/23 Oct/04	Sep/27 Oct/05 Oct/20	135 152 179	118 135 157	101 118 135	54 47 40
WATERTOWN MUNICIPAL AP	36 32 28	May/07 Apr/25 Apr/17	May/21 May/10 Apr/30	Jun/03 May/26 May/13	Sep/07 Sep/14 Sep/21	Sep/19 Sep/25 Oct/05	Oct/01 Oct/05 Oct/18	142 160 174	121 137 157	99 113 140	54 48 41
WAUBAY NATL WILDLIFE REF	36 32 28	May/03 Apr/24 Apr/12	May/15 May/08 Apr/28	May/28 May/21 May/13	Sep/11 Sep/19 Sep/24	Sep/22 Sep/30 Oct/09	Oct/03 Oct/11 Oct/24	147 163 186	129 145 164	111 126 141	53 47 41
WEBSTER	36 32 28	May/04 Apr/22 Apr/16	May/19 May/06 May/01	Jun/02 May/19 May/15	Sep/10 Sep/16 Sep/21	Sep/21 Sep/27 Oct/04	Oct/02 Oct/09 Oct/18	145 164 176	124 144 156	104 124 137	54 48 41
WENTWORTH 2 WNW	36 32 28	Apr/30 Apr/22 Apr/09	May/12 May/04 Apr/25	May/25 May/17 May/10	Sep/12 Sep/19 Sep/24	Sep/23 Sep/29 Oct/09	Oct/04 Oct/08 Oct/25	151 163 185	133 146 167	114 130 148	51 45 38
WESSINGTON SPRINGS	36 32 28	Apr/26 Apr/18 Apr/07	May/10 Apr/29 Apr/18	May/23 May/11 Apr/30	Sep/16 Sep/22 Oct/01	Sep/29 Oct/06 Oct/15	Oct/11 Oct/19 Oct/30	159 178 196	141 159 179	122 139 163	48 42 34
WHITE LAKE	36 32 28	Apr/27 Apr/19 Apr/12	May/11 May/05 Apr/26	May/25 May/22 May/10	Sep/13 Sep/17 Sep/20	Sep/21 Sep/29 Oct/07	Sep/29 Oct/11 Oct/24	149 167 185	132 146 163	115 124 141	50 45 37
WINNER	36 32 28	Apr/27 Apr/21 Apr/08	May/11 May/05 Apr/24	May/26 May/19 May/09	Sep/11 Sep/17 Sep/27	Sep/22 Oct/03 Oct/12	Oct/03 Oct/18 Oct/27	150 172 194	133 150 171	116 128 148	47 41 33
WOOD	36 32 28	May/02 Apr/21 Apr/14	May/18 May/06 Apr/29	Jun/02 May/21 May/14	Sep/07 Sep/15 Sep/20	Sep/18 Sep/28 Oct/07	Sep/28 Oct/10 Oct/24	142 164 183	122 144 160	103 123 137	50 44 36

YANKTON 2 E	36	Apr24	May06	May19		Sep13	Sep26	Oct09		160	142	124	50
	32	Apr15	Apr28	May11		Sep17	Oct05	Oct24		184	160	136	44
	28	Apr03	Apr17	May02		Oct02	Oct17	Nov01		205	182	159	37

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 (Aug 1 - Jul 31).  
(percent of days with temperatures at or below the threshold temperature)

Freeze / Frost Occurrence Data

All probabilities in whole percent. See notes for probability level description.  
- Indicates the probability of occurrence of threshold temperatureis less than indicated probability.

State And Station Name	Thresh old (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			Prob ab il ity (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
Tennessee		Apr16 Mar30 Mar20	May03 Apr17 Apr04	May20 May06 Apr18	Sep27 Oct06 Oct13	Oct08 Oct16 Oct31	Oct18 Oct26 Nov17	176 200 229	157 181 209	137 161 189	32 25 17
ALLARDT	36 32 28	Apr16 Mar30 Mar20	May03 Apr17 Apr04	May20 May06 Apr18	Oct04 Oct11 Oct24	Oct13 Oct24 Nov07	Oct23 Nov06 Nov21	190 207 239	168 190 220	146 173 202	33 25 17
ATHENS	36 32 28	Apr10 Apr02 Mar15	Apr28 Apr16 Mar31	May16 Apr30 Apr16	Oct02 Oct08 Oct27	Oct14 Oct25 Nov12	Oct26 Nov12 Nov28	196 221 257	182 202 235	167 184 213	28 21 14
BOLIVAR WATERWORKS	36 32 28	Apr03 Mar24 Mar05	Apr15 Apr05 Mar21	Apr27 Apr17 Apr05	Oct02 Oct08 Oct27	Oct14 Oct25 Nov12	Oct26 Nov12 Nov28	196 221 257	182 202 235	167 184 213	28 21 14
BRISTOL TRI CITY AP	36 32 28	Apr15 Apr03 Mar22	Apr30 Apr18 Apr05	May15 May03 Apr19	Sep28 Oct06 Oct13	Oct10 Oct20 Nov01	Oct22 Nov03 Nov20	182 202 231	162 184 209	142 167 187	33 26 18
BROWNSVILLE	36 32 28	Mar31 Mar20 Feb28	Apr11 Apr02 Mar16	Apr21 Apr14 Mar31	Oct07 Oct20 Oct31	Oct21 Nov03 Nov15	Nov04 Nov16 Nov30	208 232 268	193 214 244	177 197 220	26 19 12
CARTHAGE	36 32 28	Mar31 Mar27 Mar13	Apr19 Apr10 Mar28	May09 Apr25 Apr11	Oct01 Oct06 Oct25	Oct14 Oct26 Nov10	Oct28 Nov15 Nov25	200 222 247	177 198 226	155 174 205	31 24 16
CELINA	36 32 28	Apr12 Apr05 Mar20	Apr28 Apr18 Apr04	May15 May01 Apr19	Sep29 Sep29 Oct20	Oct10 Oct18 Nov04	Oct21 Nov06 Nov19	182 201 235	164 183 213	146 165 190	35 28 20
CENTERVILLE WATER PL	36 32 28	Apr17 Apr06 Mar27	May05 Apr24 Apr11	May23 May11 Apr26	Sep19 Sep28 Oct04	Oct03 Oct11 Oct21	Oct16 Oct24 Nov07	173 192 216	150 169 193	127 146 169	33 27 20
CHATTANOOGA AP	36 32 28	Mar31 Mar15 Feb27	Apr14 Apr01 Mar19	Apr28 Apr17 Apr07	Oct08 Oct21 Oct30	Oct20 Nov04 Nov16	Nov02 Nov19 Dec03	205 241 268	188 217 242	171 193 216	25 18 12
CHEATHAM LOCK AND DAM	36 32 28	Apr15 Mar31 Mar23	Apr30 Apr18 Apr06	May16 May05 Apr19	Sep26 Oct05 Oct20	Oct07 Oct20 Nov03	Oct19 Nov03 Nov17	181 206 232	159 184 211	138 162 189	35 28 20
CLARKSVILLE SEWAGE PLT	36 32 28	Apr03 Mar31 Mar14	Apr21 Apr14 Mar31	May09 Apr27 Apr17	Sep29 Oct04 Oct18	Oct13 Oct20 Nov05	Oct27 Nov06 Nov23	198 213 243	174 189 218	150 165 194	32 25 18
CLEVELAND FILTER PLANT	36 32 28	Apr11 Apr01 Mar14	Apr28 Apr14 Mar31	May14 Apr27 Apr17	Oct01 Oct10 Oct19	Oct11 Oct22 Nov04	Oct22 Nov04 Nov20	185 207 238	166 190 217	147 174 196	30 23 16
COLUMBIA 3 WNW	36 32 28	Apr07 Mar30 Mar20	Apr22 Apr12 Apr02	May08 Apr26 Apr16	Sep30 Oct05 Oct22	Oct10 Oct19 Nov06	Oct20 Nov02 Nov20	189 205 237	170 189 216	151 174 195	32 26 18
COOKEVILLE	36 32 28	Apr15 Apr02 Mar21	May02 Apr16 Apr04	May19 Apr30 Apr19	Sep29 Oct05 Oct18	Oct10 Oct20 Nov02	Oct22 Nov05 Nov16	180 205 231	160 187 211	141 169 191	34 27 19

COPPERHILL	36 32 28	Apr 21 Apr 06 Mar 25	May 06 Apr 24 Apr 09	May 22 May 11 Apr 24	Sep 26 Oct 02 Oct 12	Oct 07 Oct 15 Oct 29	Oct 17 Oct 27 Nov 16	170 193 225	152 173 203	135 153 181	36 28 20
COVINGTON 1 W	36 32 28	Mar 29 Mar 14 Feb 22	Apr 11 Mar 29 Mar 13	Apr 24 Apr 14 Mar 31	Oct 05 Oct 24 Oct 30	Oct 21 Nov 06 Nov 18	Nov 05 Nov 18 Dec 07	209 243 279	192 221 250	175 199 221	27 19 12
CROSSVILLE AP	36 32 28	Apr 13 Mar 28 Mar 17	May 01 Apr 13 Apr 03	May 19 Apr 28 Apr 21	Sep 25 Oct 04 Oct 13	Oct 07 Oct 19 Nov 01	Oct 18 Nov 02 Nov 20	178 209 237	158 188 211	138 168 185	32 25 17
CROSSVILLE EXP STN	36 32 28	Apr 19 Mar 31 Mar 24	May 06 Apr 20 Apr 08	May 23 May 10 Apr 23	Sep 26 Sep 28 Oct 11	Oct 06 Oct 15 Oct 25	Oct 15 Nov 02 Nov 08	174 208 219	152 178 199	131 148 180	36 29 22
DAYTON 2 SE	36 32 28	Apr 09 Mar 31 Mar 15	Apr 25 Apr 11 Mar 31	May 12 Apr 22 Apr 15	Oct 01 Oct 11 Oct 24	Oct 14 Oct 25 Nov 08	Oct 27 Nov 08 Nov 22	191 214 241	171 196 221	151 178 201	28 21 14
DICKSON	36 32 28	Apr 07 Apr 02 Mar 21	Apr 24 Apr 12 Apr 03	May 11 Apr 22 Apr 17	Sep 28 Oct 05 Oct 22	Oct 13 Oct 21 Nov 03	Oct 28 Nov 05 Nov 15	193 208 230	171 191 213	149 173 197	31 24 17
DOVER 1 W	36 32 28	Apr 04 Mar 27 Mar 21	Apr 22 Apr 13 Apr 03	May 09 Apr 30 Apr 15	Sep 29 Oct 02 Oct 17	Oct 12 Oct 18 Nov 04	Oct 25 Nov 03 Nov 23	196 212 238	173 187 215	151 162 193	32 25 18
DRESDEN	36 32 28	Apr 05 Mar 28 Mar 16	Apr 20 Apr 08 Mar 30	May 05 Apr 19 Apr 14	Sep 30 Oct 08 Oct 25	Oct 13 Oct 23 Nov 08	Oct 25 Nov 08 Nov 22	196 215 241	175 197 222	155 180 204	31 24 17
DYERSBURG AP	36 32 28	Mar 24 Mar 12 Feb 20	Apr 07 Mar 29 Mar 11	Apr 21 Apr 15 Mar 30	Oct 04 Oct 16 Oct 26	Oct 21 Nov 05 Nov 15	Nov 07 Nov 25 Dec 04	219 251 276	196 220 248	173 190 219	23 16 10
FAYETTEVILLE WATER PLANT	36 32 28	Apr 11 Mar 31 Mar 21	Apr 30 Apr 16 Apr 07	May 19 May 01 Apr 25	Sep 28 Oct 04 Oct 10	Oct 09 Oct 16 Oct 28	Oct 19 Oct 27 Nov 16	184 202 229	161 182 203	137 162 178	31 24 17
FRANKLIN SEWAGE PLANT	36 32 28	Apr 07 Mar 30 Mar 21	Apr 26 Apr 15 Apr 03	May 15 Apr 30 Apr 16	Sep 27 Oct 03 Oct 16	Oct 08 Oct 18 Nov 01	Oct 19 Nov 02 Nov 17	186 209 228	164 186 211	142 163 194	32 25 17
GATLINBURG 2 SW	36 32 28	Apr 19 Apr 12 Mar 27	May 06 Apr 26 Apr 09	May 24 May 10 Apr 22	Sep 27 Oct 03 Oct 10	Oct 10 Oct 18 Oct 27	Oct 22 Nov 02 Nov 13	176 195 222	156 174 200	135 154 178	38 31 21
GREENEVILLE EXP STN	36 32 28	Apr 23 Apr 11 Apr 01	May 07 Apr 26 Apr 16	May 20 May 11 May 02	Sep 25 Sep 29 Oct 04	Oct 05 Oct 14 Oct 24	Oct 16 Oct 30 Nov 13	169 193 218	151 171 190	133 149 163	38 31 23
HUNTINGDON WATER PLANT	36 32 28	Apr 02 Mar 26 Mar 15	Apr 18 Apr 08 Mar 28	May 04 Apr 21 Apr 11	Sep 29 Oct 04 Oct 22	Oct 13 Oct 21 Nov 08	Oct 26 Nov 07 Nov 25	195 212 246	177 195 224	158 178 201	32 25 17
JACKSON MCKELLAR-SPEAS AP	36 32 28	Mar 31 Mar 25 Mar 08	Apr 12 Apr 06 Mar 24	Apr 24 Apr 18 Apr 09	Oct 01 Oct 13 Oct 24	Oct 15 Oct 28 Nov 10	Oct 30 Nov 13 Nov 27	202 220 255	186 205 230	169 189 205	26 19 12
JACKSON EXP STA	36 32 28	Apr 02 Mar 25 Mar 05	Apr 17 Apr 06 Mar 21	May 01 Apr 19 Apr 05	Oct 01 Oct 09 Oct 27	Oct 14 Oct 27 Nov 12	Oct 27 Nov 13 Nov 27	197 222 261	180 202 235	163 183 209	27 20 13
KINGSPORT	36 32 28	Apr 12 Mar 29 Mar 14	Apr 30 Apr 13 Mar 30	May 18 Apr 28 Apr 14	Oct 01 Oct 11 Oct 18	Oct 14 Oct 24 Nov 06	Oct 27 Nov 07 Nov 24	187 209 241	166 193 220	145 177 199	30 22 15
KINGSTON SPRINGS	36 32 28	Apr 12 Apr 03 Mar 27	Apr 29 Apr 18 Apr 08	May 17 May 02 Apr 20	Sep 27 Oct 02 Oct 11	Oct 07 Oct 15 Oct 25	Oct 18 Oct 28 Nov 08	180 199 216	160 180 199	140 160 183	36 29 22
KNOXVILLE EXP STN	36 32 28	Apr 12 Apr 03 Mar 17	Apr 27 Apr 16 Apr 01	May 11 Apr 28 Apr 15	Oct 01 Oct 08 Oct 22	Oct 14 Oct 22 Nov 05	Oct 28 Nov 06 Nov 18	190 206 237	170 189 217	150 172 198	34 27 19

KNOXVILLE AP	36 32 28	Apr05 Mar20 Mar02	Apr19 Apr06 Mar23	May02 Apr22 Apr12		Oct05 Oct17 Oct27	Oct17 Nov03 Nov12	Oct29 Nov19 Nov27	200 237 261	181 211 233	162 184 205	27 19 13
LAFAYETTE	36 32 28	Apr03 Mar26 Mar11	Apr19 Apr08 Mar27	May05 Apr21 Apr13		Oct01 Oct12 Oct24	Oct14 Oct27 Nov09	Oct28 Nov11 Nov24	199 223 251	178 202 226	157 180 200	27 21 14
LAWRENCEBURG FILTER PLT	36 32 28	Apr07 Mar31 Mar19	Apr26 Apr15 Apr01	May16 Apr30 Apr15		Sep30 Oct05 Oct20	Oct10 Oct22 Nov04	Oct21 Nov08 Nov19	190 209 238	166 189 216	143 168 195	29 23 15
LEBANON	36 32 28	Apr12 Apr04 Mar23	May01 Apr19 Apr04	May20 May04 Apr17		Sep24 Oct02 Oct10	Oct07 Oct17 Oct27	Oct20 Nov01 Nov13	180 199 223	158 180 205	135 162 187	34 27 21
LENOIR CITY	36 32 28	Apr08 Mar25 Mar07	Apr21 Apr10 Mar24	May03 Apr25 Apr10		Oct06 Oct12 Oct30	Oct20 Oct27 Nov13	Nov02 Nov12 Nov27	197 223 252	181 200 233	165 177 213	31 24 16
LEWISBURG EXP STN	36 32 28	Apr14 Apr02 Mar23	Apr30 Apr16 Apr06	May15 Apr30 Apr20		Sep21 Oct02 Oct10	Oct06 Oct18 Oct27	Oct21 Nov02 Nov14	181 203 222	159 184 203	137 165 185	33 26 20
LEXINGTON	36 32 28	Mar29 Mar22 Mar14	Apr15 Apr07 Mar27	May02 Apr23 Apr08		Oct02 Oct11 Oct31	Oct17 Oct28 Nov13	Nov01 Nov14 Nov26	207 228 247	184 204 231	160 179 214	29 22 14
LINDEN 2	36 32 28	Apr11 Apr03 Mar20	Apr26 Apr17 Apr05	May12 May02 Apr20		Sep28 Oct04 Oct15	Oct09 Oct19 Oct31	Oct19 Nov03 Nov17	182 201 228	165 184 209	148 166 190	34 28 20
LIVINGSTON RADIO WLIV	36 32 28	Apr11 Apr03 Mar19	Apr30 Apr20 Apr05	May19 May06 Apr23		Sep25 Oct01 Oct08	Oct09 Oct17 Oct27	Oct22 Nov01 Nov15	186 202 230	161 179 204	136 156 177	31 24 17
MARTIN UNIV OF TENN BRA	36 32 28	Apr04 Mar27 Mar11	Apr16 Apr08 Mar27	Apr29 Apr20 Apr13		Sep29 Oct08 Oct21	Oct11 Oct23 Nov07	Oct23 Nov06 Nov23	193 215 249	177 197 224	160 178 198	32 24 17
MC MINNVILLE	36 32 28	Apr08 Mar29 Mar16	Apr24 Apr13 Mar30	May09 Apr28 Apr13		Oct01 Oct06 Oct19	Oct12 Oct22 Nov05	Oct23 Nov06 Nov23	190 210 241	171 191 220	151 173 198	27 21 14
MEMPHIS INTL AP	36 32 28	Mar19 Mar04 Feb09	Apr01 Mar22 Mar01	Apr14 Apr09 Mar21		Oct21 Oct30 Nov09	Nov03 Nov13 Nov26	Nov17 Nov27 Dec13	237 258 297	216 235 269	195 212 241	20 13 8
MILAN EXP STN	36 32 28	Apr04 Mar28 Mar17	Apr19 Apr09 Apr01	May04 Apr21 Apr16		Sep27 Oct03 Oct13	Oct08 Oct19 Nov03	Oct19 Nov03 Nov23	189 208 241	171 192 215	154 175 189	32 25 18
MONTAGLE	36 32 28	Apr04 Mar27 Mar12	Apr21 Apr08 Mar29	May07 Apr21 Apr15		Oct04 Oct08 Oct29	Oct17 Oct25 Nov12	Oct29 Nov11 Nov26	200 219 248	178 199 227	156 179 206	28 22 15
MONTEREY	36 32 28	Apr13 Apr01 Mar21	May01 Apr18 Apr03	May19 May04 Apr17		Sep29 Oct05 Oct16	Oct13 Oct28 Nov17	Oct27 Nov21 Dec19	188 220 262	164 193 227	141 166 192	34 26 18
MOSCOW	36 32 28	Mar31 Mar23 Mar02	Apr13 Apr05 Mar19	Apr26 Apr18 Apr05		Oct01 Oct10 Oct14	Oct12 Oct26 Nov07	Oct23 Nov12 Nov30	199 226 262	181 203 232	164 181 202	26 19 12
MOUNTAIN CITY 2	36 32 28	May05 Apr23 Apr09	May22 May10 Apr29	Jun09 May26 May18		Sep10 Sep18 Oct01	Sep23 Oct02 Oct15	Oct06 Oct17 Oct29	144 167 192	123 145 169	103 123 146	45 37 28
MOUNT PLEASANT 1 N	36 32 28	Apr06 Mar31 Mar19	Apr24 Apr14 Apr03	May13 Apr28 Apr18		Sep28 Oct04 Oct16	Oct10 Oct20 Nov02	Oct22 Nov04 Nov19	190 205 234	168 188 212	145 170 190	33 26 19
MURFREESBORO 5 N	36 32 28	Apr08 Apr01 Mar19	Apr22 Apr13 Apr03	May06 Apr24 Apr18		Sep29 Oct05 Oct19	Oct12 Oct22 Nov04	Oct25 Nov09 Nov20	189 213 235	173 192 215	156 172 194	32 25 18

NASHVILLE INTL AP	36	Mar31	Apr14	Apr28		Oct04	Oct19	Nov02	206	187	168	26
	32	Mar23	Apr06	Apr21		Oct10	Oct28	Nov14	226	204	181	20
	28	Mar08	Mar27	Apr15		Oct30	Nov14	Nov28	251	231	211	13
NEWPORT 1 NW	36	Apr17	Apr30	May14		Oct01	Oct11	Oct21	181	163	145	34
	32	Apr03	Apr18	May02		Oct08	Oct22	Nov04	201	186	171	26
	28	Mar20	Apr03	Apr18		Oct16	Nov01	Nov18	232	211	190	19
NORRIS	36	Apr19	May05	May20		Oct01	Oct13	Oct25	180	160	141	35
	32	Apr04	Apr21	May09		Oct08	Oct22	Nov04	208	183	158	27
	28	Mar21	Apr05	Apr21		Oct15	Nov03	Nov21	235	210	186	19
OAK RIDGE ATDD	36	Apr10	Apr29	May18		Oct01	Oct13	Oct26	189	167	144	32
	32	Mar29	Apr13	Apr28		Oct08	Oct23	Nov06	213	192	172	24
	28	Mar12	Mar30	Apr16		Oct23	Nov05	Nov19	242	220	198	17
ONEIDA	36	Apr22	May09	May25		Sep21	Oct03	Oct14	167	146	124	40
	32	Apr09	Apr27	May15		Sep30	Oct12	Oct25	192	168	143	32
	28	Mar28	Apr13	Apr29		Oct09	Oct25	Nov10	216	194	171	24
PARIS 2 SE	36	Apr03	Apr17	May01		Oct02	Oct15	Oct27	197	180	162	32
	32	Mar29	Apr10	Apr22		Oct10	Oct26	Nov11	217	198	180	25
	28	Mar17	Mar31	Apr14		Oct26	Nov10	Nov24	240	223	206	17
PIKEVILLE	36	Apr14	Apr29	May15		Sep28	Oct10	Oct22	182	163	144	30
	32	Apr03	Apr18	May04		Oct04	Oct18	Nov01	200	182	164	23
	28	Mar23	Apr06	Apr20		Oct11	Oct29	Nov15	229	205	182	16
PORTLAND SEWAGE PLANT	36	Apr04	Apr19	May04		Sep29	Oct11	Oct23	196	174	153	30
	32	Mar26	Apr10	Apr25		Oct08	Oct23	Nov08	217	195	174	23
	28	Mar15	Mar29	Apr11		Oct21	Nov08	Nov26	249	224	198	16
PULASKI WATER PLANT	36	Apr06	Apr19	May02		Oct02	Oct13	Oct24	192	176	160	27
	32	Mar27	Apr11	Apr27		Oct08	Oct23	Nov08	212	195	177	21
	28	Mar18	Mar31	Apr14		Oct23	Nov07	Nov21	241	220	198	14
RIPLEY	36	Mar25	Apr07	Apr20		Oct09	Oct23	Nov05	215	198	181	27
	32	Mar14	Mar30	Apr14		Oct21	Nov03	Nov17	239	218	197	19
	28	Feb19	Mar10	Mar30		Oct29	Nov16	Dec03	276	250	223	12
ROCKWOOD 2	36	Apr12	Apr29	May16		Sep29	Oct10	Oct22	185	164	142	35
	32	Mar30	Apr18	May08		Oct03	Oct18	Nov02	207	183	158	28
	28	Mar15	Mar31	Apr16		Oct20	Nov02	Nov15	235	215	195	19
ROGERSVILLE 1 NE	36	Apr12	Apr30	May17		Sep30	Oct11	Oct21	186	163	140	32
	32	Mar30	Apr17	May06		Oct01	Oct17	Nov02	206	182	158	25
	28	Mar18	Apr04	Apr21		Oct14	Oct31	Nov17	232	210	188	17
SAMBURG WILDLIFE REF	36	Mar31	Apr15	May01		Oct01	Oct12	Oct23	196	179	161	30
	32	Mar24	Apr07	Apr21		Oct06	Oct24	Nov11	218	200	181	23
	28	Mar07	Mar26	Apr14		Oct23	Nov09	Nov26	253	227	202	16
SAVANNAH 6 SW	36	Apr02	Apr17	May02		Oct03	Oct15	Oct27	196	180	165	26
	32	Mar27	Apr09	Apr22		Oct08	Oct25	Nov12	218	199	179	19
	28	Mar13	Mar28	Apr12		Oct21	Nov06	Nov22	244	222	201	13
SELMER	36	Apr06	Apr24	May11		Sep30	Oct11	Oct21	187	169	151	29
	32	Mar28	Apr12	Apr27		Oct03	Oct20	Nov06	210	190	171	23
	28	Mar21	Apr02	Apr13		Oct19	Nov03	Nov19	236	215	194	16
SEVERVILLE 1 SE	36	Apr14	May02	May20		Sep27	Oct08	Oct20	181	159	136	35
	32	Apr05	Apr24	May12		Oct03	Oct17	Oct31	198	175	153	27
	28	Mar22	Apr09	Apr26		Oct12	Oct27	Nov12	222	201	180	19
SHELBYVILLE WATER DEPT	36	Apr06	Apr22	May08		Sep28	Oct09	Oct21	189	170	151	27
	32	Mar28	Apr13	Apr28		Oct05	Oct21	Nov05	211	190	170	21
	28	Mar17	Mar31	Apr14		Oct15	Nov01	Nov17	234	214	193	14
SMITHVILLE 2 SE	36	Apr18	May03	May19		Sep26	Oct08	Oct19	176	157	137	35
	32	Apr04	Apr17	Apr30		Oct01	Oct17	Nov02	202	183	163	28
	28	Mar25	Apr06	Apr19		Oct09	Oct27	Nov14	224	203	182	21
SPARTA	36	Apr12	Apr30	May19		Sep29	Oct09	Oct19	182	161	140	31
	32	Apr03	Apr18	May03		Oct04	Oct18	Oct31	201	182	163	24
	28	Mar23	Apr07	Apr21		Oct10	Oct29	Nov17	225	204	184	17

SPRINGFIELD EXP STN	36	Apr12	Apr27	May12		Sep25	Oct09	Oct22		184	164	144	33
	32	Mar31	Apr14	Apr28		Oct05	Oct19	Nov02		207	187	167	27
	28	Mar20	Apr04	Apr19		Oct18	Nov03	Nov18		236	212	188	19
TAZEWELL	36	Apr22	May10	May28		Sep20	Oct02	Oct15		166	145	123	41
	32	Apr16	May02	May18		Sep29	Oct12	Oct25		187	162	138	34
	28	Mar28	Apr17	May07		Oct10	Oct22	Nov04		209	188	166	26
TULLAHOMA	36	Apr04	Apr19	May03		Oct01	Oct13	Oct26		195	177	158	28
	32	Mar29	Apr11	Apr23		Oct07	Oct23	Nov07		212	194	176	21
	28	Mar15	Mar29	Apr13		Oct20	Nov06	Nov22		242	220	199	14
UNION CITY	36	Apr03	Apr16	Apr30		Sep30	Oct12	Oct23		193	178	163	32
	32	Mar23	Apr05	Apr18		Oct07	Oct23	Nov08		219	201	182	25
	28	Mar11	Mar26	Apr10		Oct23	Nov07	Nov23		246	225	204	17
WAVERLY	36	Apr11	Apr29	May16		Sep27	Oct08	Oct19		181	161	142	35
	32	Apr01	Apr18	May06		Oct02	Oct17	Nov01		203	181	158	28
	28	Mar26	Apr09	Apr22		Oct09	Oct26	Nov11		220	199	179	21
WAYNESBORO	36	Apr13	May03	May24		Sep25	Oct06	Oct18		181	155	130	36
	32	Apr05	Apr21	May07		Sep30	Oct13	Oct26		195	175	155	29
	28	Mar25	Apr08	Apr23		Oct08	Oct25	Nov12		219	200	180	21
WOODBURY 1 WNW	36	Apr20	May06	May22		Sep23	Oct05	Oct16		168	151	133	33
	32	Apr04	Apr19	May04		Oct01	Oct12	Oct24		194	175	157	26
	28	Mar26	Apr09	Apr24		Oct06	Oct24	Nov12		215	197	180	18

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 (Aug 1 - Jul 31).  
(percent of days with temperatures at or below the threshold temperature)



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	T h r e s h o l d (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			P r o b a b i l i t y (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
Texas											
ABILENE MUNICIPAL AP	36 32 28	Mar22 Mar07 Feb16	Apr05 Mar24 Mar10	Apr19 Apr10 Apr02	Oct20 Oct26 Nov03	Nov04 Nov12 Nov22	Nov18 Nov28 Dec11	232 253 285	212 232 256	193 210 227	20 14 8
ALBANY	36 32 28	Mar19 Mar11 Feb22	Apr07 Mar28 Mar14	Apr25 Apr13 Apr03	Oct10 Oct20 Oct30	Oct27 Nov06 Nov17	Nov13 Nov23 Dec04	230 246 272	203 222 247	175 199 222	23 16 10
ALICE	36 32 28	Jan21 Dec06 -	Feb19 Jan29 Jan15	Mar20 Mar13 Feb19	Nov15 Nov19 Nov28	Dec04 Dec15 Jan07	Dec23 Jan19 -	322 >365 >365	287 320 350	252 278 312	5 2 1
ALPINE	36 32 28	Apr08 Mar23 Mar06	Apr21 Apr08 Mar25	May04 Apr23 Apr13	Oct02 Oct12 Oct25	Oct21 Nov01 Nov14	Nov08 Nov22 Dec04	204 232 260	182 207 233	160 182 206	24 17 11
ALVIN	36 32 28	Feb08 Jan10 Dec14	Mar05 Feb15 Jan27	Mar29 Mar20 Mar02	Nov01 Nov19 Nov29	Nov23 Dec09 Dec31	Dec15 Jan01 -	296 349 >365	263 297 334	229 257 295	7 4 1
AMARILLO INTL AP	36 32 28	Apr11 Apr05 Mar20	Apr26 Apr18 Apr02	May12 May01 Apr15	Sep27 Oct03 Oct20	Oct12 Oct20 Nov03	Oct27 Nov07 Nov17	187 206 233	168 185 214	148 163 195	39 31 23
AMISTAD DAM	36 32 28	Feb11 Jan08 -	Mar06 Feb10 Jan27	Mar30 Mar12 Feb25	Nov05 Nov14 Dec04	Nov22 Dec06 Dec31	Dec09 Dec30 -	290 >365 >365	260 297 339	230 263 293	9 5 2
ANAHUAC	36 32 28	Feb12 Jan11 -	Mar04 Feb12 Jan25	Mar25 Mar16 Mar01	Nov02 Nov15 Nov27	Nov23 Dec09 Dec23	Dec13 Jan03 -	289 338 >365	263 299 332	236 263 292	7 4 2
ANDREWS	36 32 28	Mar27 Mar09 Feb19	Apr08 Mar29 Mar15	Apr21 Apr17 Apr09	Oct15 Oct25 Nov03	Oct31 Nov10 Nov18	Nov15 Nov27 Dec04	221 251 276	204 226 248	188 201 219	23 16 10
ANGLETON 2 W	36 32 28	Feb09 Jan04 -	Mar09 Feb15 Jan30	Apr05 Mar26 Mar12	Nov02 Nov13 Nov27	Nov21 Dec05 Dec22	Dec10 Dec29 -	293 >365 >365	257 290 326	220 252 278	8 4 2
ANSON	36 32 28	Mar23 Mar13 Feb15	Apr03 Mar28 Mar10	Apr14 Apr12 Apr03	Oct16 Oct23 Oct30	Nov03 Nov12 Nov20	Nov22 Dec01 Dec10	234 253 281	214 228 254	193 204 226	20 14 8
ARANSAS WILDLIFE REF	36 32 28	Jan31 Dec30 -	Feb26 Feb02 Jan17	Mar23 Mar07 Feb25	Nov08 Nov20 Nov28	Nov28 Dec09 Jan03	Dec18 Dec28 -	305 349 >365	275 309 345	244 272 304	4 2 1
ARCHER CITY	36 32 28	Mar27 Mar16 Feb20	Apr06 Mar28 Mar14	Apr16 Apr09 Apr05	Oct10 Oct22 Nov07	Oct29 Nov09 Nov22	Nov16 Nov28 Dec07	227 247 279	205 225 252	183 203 225	24 17 11
ASPERMONT	36 32 28	Mar27 Mar17 Feb26	Apr11 Mar30 Mar20	Apr27 Apr12 Apr11	Oct02 Oct24 Oct29	Oct22 Nov08 Nov15	Nov11 Nov24 Dec01	217 245 268	193 223 239	169 200 211	28 20 13

ATHENS	36 32 28	Mar19 Mar01 Feb05	Apr02 Mar19 Feb28	Apr16 Apr07 Mar23		Oct14 Oct23 Oct31	Nov02 Nov14 Nov23	Nov22 Dec05 Dec17	239 267 299	214 239 268	189 210 236	17 11 6
AUSTIN CITY (CAMP MABRY)	36 32 28	Feb10 Jan23 Dec27	Mar06 Feb17 Feb04	Mar29 Mar15 Mar06		Nov04 Nov15 Nov28	Nov20 Dec06 Dec21	Dec06 Dec28 Jan20	285 323 >365	259 291 319	232 259 281	9 5 2
BAKERSFIELD	36 32 28	Mar14 Mar02 Feb11	Apr02 Mar22 Mar09	Apr21 Apr11 Apr04		Oct15 Oct29 Nov06	Nov02 Nov14 Nov24	Nov19 Nov30 Dec12	240 262 290	213 236 260	186 211 230	19 12 7
BALLINGER 2 NW	36 32 28	Mar23 Mar12 Feb19	Apr07 Mar28 Mar15	Apr22 Apr13 Apr08		Oct14 Oct23 Oct31	Oct29 Nov09 Nov15	Nov13 Nov25 Dec01	226 245 274	204 225 245	182 204 216	21 15 10
BALMORHEA	36 32 28	Mar27 Mar15 Feb22	Apr10 Mar30 Mar16	Apr24 Apr14 Apr07		Oct12 Nov09 Nov01	Oct29 Nov09 Nov17	Nov14 Nov25 Dec03	221 244 274	201 223 245	180 202 216	27 19 12
BARDWELL DAM	36 32 28	Mar10 Feb18 Jan30	Mar27 Mar12 Feb24	Apr12 Apr04 Mar21		Oct24 Oct30 Nov07	Nov10 Nov19 Nov28	Nov28 Dec09 Dec19	252 283 312	228 251 276	204 220 240	19 12 7
BAY CITY WATERWORKS	36 32 28	Feb02 Dec29 -	Feb27 Feb11 Jan19	Mar25 Mar17 Feb25		Nov02 Nov17 Nov29	Nov24 Dec13 Dec31	Dec17 Jan15 -	304 >365 >365	269 306 350	234 262 297	6 3 1
BAYTOWN	36 32 28	Feb04 Jan06 -	Feb27 Feb10 Jan25	Mar23 Mar14 Feb28		Nov06 Nov19 Nov21	Nov27 Dec10 Dec29	Dec17 Jan01 -	305 >365 >365	272 301 335	239 261 287	7 3 1
BEAUMONT RESEARCH CTR	36 32 28	Feb20 Jan30 Dec20	Mar11 Feb25 Feb04	Mar29 Mar24 Mar12		Oct29 Nov11 Nov21	Nov17 Dec02 Dec20	Dec05 Dec22 Jan25	278 311 >365	250 279 318	223 247 274	9 5 2
BEEVILLE 5 NE	36 32 28	Feb12 Jan12 -	Mar08 Feb14 Jan27	Apr02 Mar17 Mar01		Nov04 Nov17 Nov22	Nov22 Dec06 Dec22	Dec10 Dec27 -	288 343 >365	258 294 329	228 257 291	7 4 2
BENAVIDES 2	36 32 28	Feb10 Jan06 -	Mar09 Feb18 Jan30	Apr05 Mar29 Mar11		Oct31 Nov12 Nov23	Nov21 Dec02 Dec19	Dec11 Dec23 -	288 337 >365	256 286 315	224 246 275	7 4 2
BENBROOK DAM	36 32 28	Mar12 Feb20 Jan31	Mar27 Mar15 Feb26	Apr12 Apr06 Mar24		Oct26 Oct30 Nov09	Nov08 Nov17 Nov30	Nov22 Dec06 Dec22	242 275 309	225 247 277	209 218 244	20 13 7
BIG LAKE 2	36 32 28	Mar26 Mar17 Mar01	Apr09 Apr01 Mar19	Apr24 Apr15 Apr07		Oct01 Oct17 Oct28	Oct25 Nov05 Nov17	Nov19 Nov24 Dec06	226 242 268	198 218 242	171 194 215	25 18 12
BIG SPRING	36 32 28	Mar19 Feb28 Feb19	Apr04 Mar23 Mar13	Apr20 Apr14 Apr04		Oct21 Oct30 Nov07	Nov05 Nov13 Nov23	Nov21 Nov27 Dec09	236 258 284	214 235 255	192 212 226	24 17 10
BLANCO	36 32 28	Mar19 Feb24 Feb10	Apr04 Mar20 Mar04	Apr19 Apr13 Mar26		Oct14 Oct24 Oct31	Nov01 Nov11 Nov23	Nov18 Nov30 Dec16	231 265 296	210 235 263	189 206 231	19 13 7
BOERNE	36 32 28	Mar17 Feb25 Feb07	Apr04 Mar20 Mar04	Apr22 Apr11 Mar28		Oct12 Oct27 Nov04	Oct31 Nov13 Nov24	Nov20 Nov30 Dec14	236 268 296	210 238 264	183 207 233	19 13 7
BONHAM 3 NNE	36 32 28	Mar25 Mar11 Feb18	Apr06 Mar27 Mar10	Apr17 Apr12 Mar31		Oct10 Oct22 Oct30	Oct27 Nov08 Nov18	Nov13 Nov24 Dec08	225 247 283	204 225 252	183 202 222	22 15 9
BOQUILLAS RANGER STN	36 32 28	Mar14 Feb24 Jan29	Mar29 Mar14 Feb23	Apr14 Apr01 Mar21		Oct22 Oct27 Nov11	Nov08 Nov13 Nov26	Nov24 Dec01 Dec10	246 267 305	223 244 275	199 220 244	23 15 9
BORGER	36 32 28	Apr08 Mar29 Mar20	Apr23 Apr14 Apr02	May09 Apr29 Apr14		Sep28 Oct09 Oct23	Oct14 Oct25 Nov05	Oct29 Nov10 Nov18	196 212 234	172 193 216	149 175 199	35 27 20

BOWIE	36 32 28	Mar22 Mar05 Feb13	Apr03 Mar21 Mar08	Apr15 Apr06 Mar31	Oct25 Oct27 Nov02	Nov05 Nov12 Nov24	Nov17 Nov27 Dec16	233 256 293	216 235 260	199 214 228	21 14 9
BOYS RANCH	36 32 28	Apr16 Mar30 Mar23	Apr29 Apr13 Apr07	May12 Apr28 Apr21	Sep27 Oct02 Oct14	Oct07 Oct16 Oct27	Oct17 Oct31 Nov10	177 204 222	160 186 203	143 167 184	43 36 29
BRACKETTVILLE	36 32 28	Feb21 Feb06 Jan18	Mar19 Mar05 Feb14	Apr14 Apr01 Mar11	Oct14 Oct23 Nov03	Nov07 Nov15 Dec12	Dec01 Dec08 Jan24	268 291 >365	232 255 295	196 218 258	13 7 3
BRADY	36 32 28	Mar18 Mar01 Feb04	Apr02 Mar21 Mar04	Apr16 Apr10 Apr01	Oct22 Oct27 Nov03	Nov04 Nov11 Nov21	Nov18 Nov27 Dec08	234 258 293	216 235 261	198 211 228	20 14 8
BRAVO	36 32 28	Apr21 Apr12 Mar30	May04 Apr26 Apr12	May18 May09 Apr25	Sep24 Sep30 Oct09	Oct05 Oct13 Oct24	Oct17 Oct26 Nov09	173 188 216	153 170 195	134 152 174	44 36 27
BRECKENRIDGE	36 32 28	Mar24 Mar13 Feb16	Apr09 Mar29 Mar11	Apr24 Apr14 Apr03	Oct19 Oct27 Nov05	Nov01 Nov10 Nov21	Nov15 Nov24 Dec06	228 246 282	206 226 253	184 205 225	23 17 10
BRENHAM	36 32 28	Feb11 Jan25 Dec22	Mar07 Feb20 Jan30	Mar31 Mar18 Mar06	Oct30 Nov14 Nov28	Nov19 Dec05 Dec19	Dec09 Dec27 Jan10	285 320 >365	257 288 322	228 256 282	10 5 3
BRIDGEPORT	36 32 28	Mar26 Mar11 Feb19	Apr08 Mar30 Mar15	Apr21 Apr18 Apr08	Oct07 Oct20 Oct30	Oct25 Nov07 Nov17	Nov12 Nov25 Dec05	223 247 273	199 222 246	176 197 219	24 18 12
BROWNFIELD 2	36 32 28	Apr03 Mar20 Mar09	Apr15 Apr03 Mar24	Apr28 Apr17 Apr08	Oct06 Oct16 Oct31	Oct22 Nov03 Nov15	Nov07 Nov20 Nov30	206 233 255	189 213 235	173 193 215	34 25 17
BROWNSVILLE AP	36 32 28	- - -	Jan23 Dec25 Jan17	Mar08 Feb13 Jan17	Nov26 Dec11 Dec31	Dec24 Jan24 -	- - -	>365 >365 >365	337 >365 >365	287 313 >365	2 1 0
BROWNWOOD	36 32 28	Mar22 Mar09 Feb10	Apr06 Mar25 Mar06	Apr22 Apr10 Mar29	Oct14 Oct26 Oct31	Nov02 Nov11 Nov19	Nov21 Nov28 Dec08	235 252 290	209 231 258	183 209 226	22 15 9
BURNET	36 32 28	Mar19 Feb23 Feb04	Apr02 Mar20 Mar03	Apr16 Apr13 Mar30	Oct15 Oct25 Nov03	Nov02 Nov12 Nov25	Nov20 Nov30 Dec17	236 264 296	214 237 266	192 210 236	19 12 6
CAMERON	36 32 28	Feb28 Feb10 Jan17	Mar22 Mar07 Feb16	Apr13 Mar31 Mar19	Oct26 Nov01 Nov10	Nov13 Nov22 Dec08	Nov30 Dec13 Jan05	262 289 332	235 260 290	209 230 257	11 7 4
CAMP WOOD	36 32 28	Mar21 Feb28 Feb09	Apr05 Mar22 Mar06	Apr20 Apr13 Mar31	Oct18 Oct25 Oct30	Nov03 Nov11 Nov22	Nov19 Nov27 Dec14	233 258 288	211 233 260	188 209 232	19 13 7
CANADIAN	36 32 28	Apr10 Mar28 Mar17	Apr23 Apr10 Mar31	May07 Apr24 Apr14	Sep25 Oct02 Oct10	Oct09 Oct16 Oct30	Oct22 Oct30 Nov18	186 208 235	168 188 212	150 167 188	37 30 22
CANDELARIA	36 32 28	Mar24 Mar02 Feb08	Apr11 Mar25 Mar10	Apr28 Apr16 Apr09	Oct10 Oct18 Nov02	Oct29 Nov06 Nov18	Nov17 Nov26 Dec03	227 260 288	201 226 251	174 191 215	25 17 9
CANYON DAM	36 32 28	Mar01 Jan30 Jan07	Mar17 Feb24 Feb09	Apr02 Mar21 Mar10	Oct31 Nov11 Nov16	Nov19 Dec01 Dec12	Dec08 Dec21 Jan10	272 310 >365	246 280 305	221 249 268	11 6 3
CANYON	36 32 28	Apr11 Mar29 Mar20	Apr25 Apr13 Apr02	May09 Apr27 Apr15	Sep26 Oct04 Oct19	Oct13 Oct22 Nov04	Oct30 Nov08 Nov19	190 211 236	170 191 215	150 171 193	36 28 20
CARRIZO SPRINGS	36 32 28	Feb04 Jan11 -	Mar04 Feb14 Jan29	Mar31 Mar21 Feb25	Oct30 Nov09 Nov27	Nov18 Dec04 Dec24	Dec07 Dec29 -	290 338 >365	259 292 330	228 247 291	9 4 2

CARTA VALLEY 4 W	36 32 28	Mar16 Feb20 Feb05	Apr01 Mar15 Mar07	Apr17 Apr08 Apr04	Oct16 Oct09 Nov01	Nov03 Nov12 Nov23	Nov21 Dec16 Dec18	238 283 311	216 241 261	193 198 221	16 10 6
CARTHAGE	36 32 28	Mar21 Feb25 Feb05	Apr04 Mar17 Feb27	Apr17 Apr05 Mar21	Oct14 Oct27 Nov06	Nov01 Nov14 Nov26	Nov18 Dec02 Dec17	232 267 302	210 242 272	188 216 242	18 12 7
CASTOLON	36 32 28	Feb19 Jan28 Dec31	Mar14 Feb27 Feb03	Apr05 Mar30 Mar09	Oct30 Nov05 Nov14	Nov16 Nov26 Dec05	Dec04 Dec17 Dec27	275 309 346	247 271 305	218 232 263	16 10 6
CATARINA	36 32 28	Feb05 Jan22 -	Mar01 Feb19 Jan28	Mar26 Mar19 Feb22	Oct29 Nov10 Dec01	Nov21 Dec05 Dec22	Dec14 Dec30 -	292 326 >365	264 289 329	235 252 294	7 4 2
CENTER	36 32 28	Mar18 Mar02 Feb07	Apr03 Mar20 Mar02	Apr18 Apr07 Mar26	Oct11 Oct22 Nov03	Oct29 Nov10 Nov24	Nov16 Nov28 Dec15	234 261 300	209 234 266	183 207 232	21 14 8
CENTERVILLE	36 32 28	Mar12 Feb23 Feb04	Mar31 Mar17 Feb28	Apr19 Apr07 Mar25	Oct16 Oct28 Nov08	Nov03 Nov14 Nov27	Nov20 Dec01 Dec16	244 273 305	216 242 271	188 212 237	18 12 7
CHANNING 2	36 32 28	Apr16 Apr08 Mar26	Apr28 Apr19 Apr07	May11 May01 Apr19	Sep29 Oct02 Oct18	Oct12 Oct19 Nov01	Oct26 Nov05 Nov16	184 200 224	166 182 208	149 164 191	41 34 26
CHAPMAN RANCH	36 32 28	Jan23 Dec18 -	Feb21 Feb02 Jan12	Mar22 Mar15 Feb21	Nov10 Nov23 Dec04	Dec03 Dec20 Jan18	Dec26 Jan18 -	320 >365 >365	285 321 >365	250 285 315	4 2 1
CHARLOTTE 5 NNW	36 32 28	Feb20 Feb02 Jan03	Mar17 Mar02 Feb07	Apr12 Mar29 Mar15	Oct26 Nov06 Nov17	Nov14 Nov24 Dec12	Dec04 Dec13 Jan05	273 301 345	241 267 306	210 233 270	9 5 2
CHILDRESS MUNICIPAL AP	36 32 28	Mar27 Mar20 Feb27	Apr08 Apr01 Mar18	Apr21 Apr13 Apr06	Oct06 Oct20 Nov01	Oct25 Nov06 Nov16	Nov12 Nov22 Dec01	219 236 266	198 218 243	178 199 219	29 22 14
CHISOS BASIN	36 32 28	Mar11 Feb18 Jan25	Mar30 Mar16 Feb28	Apr18 Apr10 Apr04	Oct11 Oct25 Oct31	Nov03 Nov17 Nov28	Nov25 Dec10 Dec26	244 277 313	217 246 272	190 215 231	15 9 5
CLARENDON	36 32 28	Apr11 Mar30 Mar16	Apr25 Apr11 Mar30	May10 Apr23 Apr13	Sep24 Oct08 Oct24	Oct11 Oct25 Nov07	Oct27 Nov10 Nov21	188 215 237	168 196 221	147 178 204	38 30 21
CLARKSVILLE 2 NE	36 32 28	Mar22 Mar12 Feb21	Apr05 Mar28 Mar11	Apr18 Apr13 Mar29	Oct12 Oct22 Oct28	Oct26 Nov09 Nov19	Nov10 Nov28 Dec10	225 249 281	204 226 252	183 203 224	25 18 11
CLAUDE	36 32 28	Apr12 Apr04 Mar24	Apr29 Apr19 Apr05	May16 May03 Apr18	Sep28 Oct04 Oct17	Oct12 Oct20 Nov03	Oct25 Nov05 Nov19	188 204 230	165 184 210	142 163 191	40 33 25
CLEBURNE	36 32 28	Mar21 Feb24 Feb05	Apr03 Mar18 Mar02	Apr16 Apr09 Mar27	Oct22 Oct28 Nov02	Nov05 Nov13 Nov25	Nov20 Nov29 Dec17	234 265 301	215 240 267	196 215 234	17 11 6
CLEVELAND	36 32 28	Feb25 Feb09 Dec31	Mar19 Mar05 Feb13	Apr09 Mar29 Mar19	Oct27 Oct31 Nov18	Nov12 Nov21 Dec10	Nov29 Dec12 Jan06	265 291 >365	238 260 297	211 230 258	13 8 4
COLDSPRING 5 SSW	36 32 28	Mar03 Feb12 Jan24	Mar24 Mar11 Feb24	Apr14 Apr06 Mar27	Oct23 Oct28 Nov09	Nov09 Nov22 Dec05	Nov27 Dec17 Jan01	258 287 325	230 255 284	202 224 243	15 10 5
COLEMAN	36 32 28	Mar21 Mar07 Feb05	Apr01 Mar23 Mar05	Apr13 Apr08 Apr02	Oct19 Oct28 Nov02	Nov06 Nov13 Nov22	Nov23 Nov28 Dec12	239 252 296	217 234 261	196 215 227	19 12 7
COLLEGE STATION ETRWD AP	36 32 28	Feb20 Feb08 Jan18	Mar16 Mar02 Feb14	Apr09 Mar25 Mar13	Oct28 Nov10 Nov15	Nov14 Nov29 Dec11	Dec01 Dec17 Jan06	271 295 336	242 271 299	214 246 263	10 6 3

COLORADO CITY	36 32 28	Mar21 Mar06 Feb23	Apr11 Mar25 Mar16	May01 Apr13 Apr06	Oct08 Oct20 Oct29	Oct25 Nov07 Nov13	Nov11 Nov25 Nov28	221 254 267	197 226 242	172 199 216	27 19 12
COLUMBUS	36 32 28	Feb27 Feb16 Jan18	Mar22 Mar11 Feb19	Apr15 Apr03 Mar22	Oct17 Oct25 Nov07	Nov08 Nov16 Dec03	Nov30 Dec08 Dec29	262 278 326	230 250 287	199 222 248	15 9 5
CONROE	36 32 28	Feb23 Feb06 Dec31	Mar16 Feb27 Feb09	Apr06 Mar20 Mar17	Oct28 Nov02 Nov14	Nov15 Nov25 Dec11	Dec03 Dec17 Jan10	269 300 >365	243 270 304	217 240 260	11 6 3
COPE RANCH	36 32 28	Apr03 Mar24 Mar07	Apr18 Apr05 Mar25	May02 Apr18 Apr11	Sep30 Oct12 Oct21	Oct18 Oct31 Nov09	Nov06 Nov19 Nov27	207 232 251	183 208 228	159 184 205	30 23 16
CORNUDAS SERVICE STN	36 32 28	Apr12 Apr01 Mar23	Apr29 Apr17 Apr07	May16 May04 Apr22	Oct04 Oct13 Oct20	Oct18 Oct27 Nov06	Nov02 Nov11 Nov22	194 213 230	171 192 212	148 172 194	37 29 21
CORPUS CHRISTI INTL AP	36 32 28	Jan22 Dec24 -	Feb21 Feb03 Jan16	Mar22 Mar13 Feb21	Nov12 Nov25 Dec07	Dec05 Dec23 Jan10	Dec28 Jan23 -	325 >365 >365	287 319 >365	249 286 311	4 2 1
CORSICANA	36 32 28	Mar06 Feb13 Jan29	Mar24 Mar09 Feb20	Apr10 Apr02 Mar14	Oct27 Nov04 Nov13	Nov10 Nov23 Dec05	Nov23 Dec12 Dec27	251 285 315	230 259 287	209 232 259	17 11 6
CRANE 2 E	36 32 28	Mar16 Mar01 Feb10	Apr02 Mar23 Mar08	Apr20 Apr13 Apr02	Oct15 Oct24 Nov05	Nov02 Nov11 Nov21	Nov20 Nov29 Dec07	237 261 289	213 232 258	189 204 227	21 14 8
CROCKETT	36 32 28	Mar01 Feb16 Jan26	Mar23 Mar10 Feb22	Apr15 Apr01 Mar22	Oct24 Oct27 Nov11	Nov09 Nov18 Dec04	Nov25 Dec10 Dec28	257 279 318	230 252 284	202 225 251	16 10 5
CROSBYTON	36 32 28	Mar30 Mar21 Mar07	Apr15 Apr02 Mar24	Apr30 Apr15 Apr11	Oct04 Oct13 Oct29	Oct21 Nov01 Nov13	Nov07 Nov21 Nov27	205 237 255	188 212 232	172 187 210	34 26 18
CRYSTAL CITY	36 32 28	Feb05 Jan16 -	Mar01 Feb16 Jan22	Mar25 Mar20 Feb23	Nov05 Nov10 Nov30	Nov22 Dec06 Dec24	Dec09 Jan01 -	293 336 >365	266 292 337	238 248 297	6 3 1
CUERO	36 32 28	Feb25 Feb04 Jan09	Mar20 Feb28 Feb10	Apr12 Mar24 Mar15	Oct24 Nov04 Nov16	Nov14 Nov25 Dec11	Dec05 Dec17 Jan04	268 301 341	238 270 303	208 240 264	9 5 2
DAINGERFIELD 9 S	36 32 28	Mar07 Feb09 Jan23	Mar25 Mar03 Feb17	Apr12 Mar26 Mar14	Oct27 Nov02 Nov14	Nov11 Nov22 Dec04	Nov25 Dec12 Dec23	255 292 319	230 263 289	205 233 259	15 9 5
DALHART MUNICIPAL AP	36 32 28	Apr22 Apr08 Mar26	May03 Apr23 Apr10	May14 May08 Apr26	Sep28 Oct01 Oct12	Oct10 Oct16 Oct27	Oct22 Oct31 Nov11	176 194 218	159 175 199	142 157 180	43 36 28
DALLAS LOVE AP	36 32 28	Mar03 Feb06 Jan21	Mar22 Mar03 Feb15	Apr09 Mar28 Mar12	Oct30 Nov04 Nov15	Nov14 Nov25 Dec09	Nov28 Dec17 Jan03	256 294 327	236 267 297	217 239 266	13 8 4
DANEVANG 1 W	36 32 28	Feb09 Jan23 -	Mar05 Feb20 Feb02	Mar30 Mar21 Mar09	Oct31 Nov08 Nov18	Nov21 Dec11 Jan04	Dec13 Jan14 -	294 330 >365	260 292 329	226 257 288	7 3 1
DEL RIO INTL AP	36 32 28	Feb11 Jan26 Dec12	Mar05 Feb19 Jan25	Mar28 Mar15 Feb27	Oct31 Nov04 Nov22	Nov17 Dec01 Dec22	Dec04 Dec28 Jan28	282 322 >365	256 284 330	230 247 294	8 4 2
DENTON 2 SE	36 32 28	Mar13 Feb27 Feb02	Mar28 Mar18 Feb27	Apr11 Apr06 Mar25	Oct23 Oct30 Nov10	Nov06 Nov16 Dec01	Nov20 Dec04 Dec22	241 265 309	223 243 276	204 220 243	18 12 7
DILLEY	36 32 28	Feb02 Jan17 -	Feb28 Feb16 Jan26	Mar26 Mar17 Feb26	Nov02 Nov09 Nov24	Nov22 Dec09 Dec28	Dec11 Jan08 -	294 344 >365	266 294 338	237 249 291	8 4 2

DIMMITT 2 N	36 32 28	Apr 21 Apr 10 Mar 29	May 04 Apr 25 Apr 10	May 16 May 11 Apr 22	Sep 23 Oct 02 Oct 15	Oct 06 Oct 16 Oct 31	Oct 20 Oct 29 Nov 17	173 192 224	155 172 204	137 153 183	44 37 28
DUBLIN	36 32 28	Mar 21 Feb 28 Feb 06	Apr 02 Mar 18 Mar 05	Apr 14 Apr 05 Apr 01	Oct 21 Oct 29 Nov 08	Nov 06 Nov 15 Nov 29	Nov 22 Dec 02 Dec 20	235 264 302	217 241 269	199 218 235	20 13 8
DUMAS	36 32 28	Apr 14 Apr 02 Mar 23	Apr 28 Apr 18 Apr 05	May 12 May 03 Apr 18	Sep 29 Oct 05 Oct 20	Oct 14 Oct 22 Nov 03	Oct 30 Nov 07 Nov 17	188 205 229	169 186 211	149 167 193	41 34 26
EAGLE PASS	36 32 28	Feb 05 Jan 13 -	Mar 01 Feb 12 Jan 19	Mar 26 Mar 10 Feb 19	Oct 31 Nov 14 Dec 02	Nov 21 Dec 05 Dec 28	Dec 12 Dec 29 -	293 334 >365	264 295 341	236 265 308	8 4 2
EASTLAND	36 32 28	Mar 26 Mar 16 Feb 22	Apr 07 Apr 01 Mar 16	Apr 20 Apr 16 Apr 07	Oct 13 Oct 23 Nov 02	Oct 30 Nov 08 Nov 19	Nov 17 Nov 24 Dec 05	225 243 275	206 221 247	186 198 219	24 18 11
EL PASO INTL AP	36 32 28	Mar 21 Mar 01 Feb 12	Apr 09 Mar 22 Mar 09	Apr 27 Apr 12 Apr 03	Oct 18 Oct 25 Oct 31	Oct 30 Nov 08 Nov 19	Nov 12 Nov 22 Dec 08	226 257 290	204 230 255	182 204 219	24 16 10
ELGIN	36 32 28	Feb 22 Feb 01 Jan 10	Mar 17 Feb 24 Feb 10	Apr 09 Mar 20 Mar 13	Oct 26 Nov 07 Nov 20	Nov 16 Nov 28 Dec 12	Dec 06 Dec 19 Jan 04	272 305 339	243 276 303	215 247 270	10 5 3
EMORY	36 32 28	Mar 20 Mar 04 Feb 11	Apr 04 Mar 22 Mar 04	Apr 19 Apr 09 Mar 25	Oct 17 Oct 27 Nov 01	Oct 31 Nov 12 Nov 22	Nov 14 Nov 29 Dec 14	232 258 294	209 234 263	187 210 232	21 15 9
ENCINAL	36 32 28	Feb 09 Jan 01 -	Mar 06 Feb 16 Jan 28	Mar 31 Mar 30 Mar 02	Nov 06 Nov 15 Nov 28	Nov 24 Dec 06 Dec 26	Dec 12 Dec 30 -	297 >365 >365	262 292 332	227 243 282	8 4 2
EVANT 1 SSW	36 32 28	Mar 16 Feb 19 Jan 29	Mar 31 Mar 17 Feb 28	Apr 16 Apr 12 Mar 29	Oct 24 Oct 27 Nov 05	Nov 06 Nov 16 Nov 28	Nov 19 Dec 06 Dec 22	235 276 311	219 243 273	203 211 235	17 11 6
FAIRFIELD 3 W	36 32 28	Mar 17 Feb 25 Feb 04	Apr 01 Mar 19 Feb 28	Apr 16 Apr 10 Mar 24	Oct 24 Oct 27 Nov 06	Nov 09 Nov 17 Nov 27	Nov 24 Dec 08 Dec 18	243 272 302	221 242 271	199 213 240	15 9 5
FALCON DAM	36 32 28	Jan 15 - -	Feb 15 Jan 22 Dec 02	Mar 14 Mar 05 Feb 06	Nov 13 Nov 28 Dec 13	Dec 10 Jan 05 Feb 16	Jan 09 - -	353 >365 >365	299 348 >365	256 300 337	3 1 0
FALFURIAS	36 32 28	Jan 27 Dec 24 -	Feb 25 Feb 06 Jan 16	Mar 27 Mar 18 Feb 20	Nov 07 Nov 19 Dec 02	Nov 28 Dec 13 Jan 02	Dec 18 Jan 10 -	311 364 >365	275 311 347	239 269 314	6 3 1
FERRIS	36 32 28	Mar 11 Feb 20 Jan 29	Mar 26 Mar 12 Feb 23	Apr 10 Apr 02 Mar 19	Oct 23 Oct 29 Nov 12	Nov 08 Nov 15 Nov 29	Nov 25 Dec 03 Dec 17	246 274 308	227 247 279	207 220 250	17 11 6
FLATONIA	36 32 28	Feb 13 Jan 24 Dec 25	Mar 10 Feb 23 Feb 04	Apr 04 Mar 24 Mar 13	Oct 31 Nov 08 Nov 20	Nov 20 Dec 04 Dec 22	Dec 09 Dec 29 Jan 26	284 323 >365	254 284 316	224 244 270	8 5 2
FLORESVILLE	36 32 28	Feb 24 Feb 08 Jan 09	Mar 21 Mar 08 Feb 11	Apr 16 Apr 05 Mar 16	Oct 21 Oct 31 Nov 16	Nov 09 Nov 21 Dec 07	Nov 28 Dec 11 Dec 28	261 290 334	232 257 297	203 224 264	13 8 4
FLOYDADA	36 32 28	Apr 06 Mar 26 Mar 15	Apr 20 Apr 08 Mar 29	May 04 Apr 20 Apr 11	Oct 02 Oct 13 Oct 27	Oct 18 Oct 30 Nov 10	Nov 04 Nov 17 Nov 24	204 226 244	181 205 225	157 184 207	36 29 20
FOLLETT	36 32 28	Apr 12 Apr 03 Mar 22	Apr 27 Apr 17 Apr 05	May 11 Apr 30 Apr 19	Sep 23 Oct 03 Oct 18	Oct 10 Oct 21 Nov 03	Oct 27 Nov 08 Nov 18	189 210 233	166 186 211	143 163 189	39 32 24
FORT DAVIS	36 32 28	Apr 06 Mar 25 Mar 08	Apr 20 Apr 09 Mar 26	May 03 Apr 23 Apr 13	Oct 03 Oct 13 Oct 18	Oct 22 Nov 02 Nov 12	Nov 10 Nov 21 Dec 08	209 234 266	184 206 231	159 178 196	32 23 14

FORT HANCOCK 8 SSE	36 32 28	Apr07 Mar18 Mar07	Apr22 Apr06 Mar25	May07 Apr24 Apr11	Oct04 Oct10 Oct25	Oct21 Oct27 Nov09	Nov06 Nov13 Nov23	203 226 250	181 204 228	159 182 207	35 27 19
FORT STOCKTON	36 32 28	Mar22 Mar05 Feb17	Apr06 Mar26 Mar15	Apr21 Apr16 Apr10	Oct13 Oct23 Nov01	Nov03 Nov12 Nov20	Nov23 Dec03 Dec08	233 256 282	210 230 249	186 204 216	22 15 9
FOWLELTON	36 32 28	Feb14 Feb02 Dec30	Mar12 Feb27 Feb03	Apr07 Mar25 Mar08	Oct30 Nov08 Nov23	Nov19 Nov26 Dec14	Dec08 Dec13 Jan07	283 303 >365	251 271 312	219 239 275	10 6 2
FRANKLIN	36 32 28	Mar11 Feb11 Jan27	Mar27 Mar09 Feb20	Apr12 Apr04 Mar17	Oct26 Oct28 Nov12	Nov11 Nov19 Dec03	Nov27 Dec10 Dec23	251 287 316	228 254 285	206 221 254	13 8 4
FREDERICKSBURG	36 32 28	Mar15 Feb22 Feb04	Apr02 Mar18 Mar01	Apr20 Apr11 Mar26	Oct15 Nov06 Nov04	Nov02 Nov12 Nov24	Nov20 Nov28 Dec13	237 267 300	213 238 267	189 209 234	16 10 6
FREEPORT 2 NW	36 32 28	Jan14 - -	Feb18 Jan31 Jan09	Mar24 Mar03 Feb17	Nov12 Nov28 Dec08	Dec07 Dec28 Jan14	Dec31 - -	338 >365 >365	290 340 >365	247 286 307	4 2 1
FREEER	36 32 28	Feb02 Jan15 -	Mar07 Feb13 Jan22	Apr08 Mar15 Feb23	Nov04 Nov10 Nov25	Nov24 Dec08 Dec24	Dec14 Jan04 -	296 344 >365	262 297 336	227 250 294	6 3 1
FRIONA	36 32 28	Apr19 Apr05 Mar25	May02 Apr19 Apr06	May14 May03 Apr18	Sep29 Oct02 Oct20	Oct12 Oct20 Nov03	Oct26 Nov06 Nov16	181 203 229	163 183 210	146 162 190	41 34 25
GAIL	36 32 28	Mar28 Mar09 Feb25	Apr07 Mar27 Mar16	Apr18 Apr14 Apr05	Oct10 Oct26 Nov02	Oct29 Nov08 Nov20	Nov16 Nov22 Dec08	225 248 276	204 226 248	183 204 220	22 15 10
GALVESTON	36 32 28	Dec23 - -	Feb01 Jan19 Dec18	Mar04 Feb21 Feb09	Nov23 Dec06 Dec19	Dec20 Jan09 Feb18	Jan22 - -	>365 >365 >365	319 358 >365	281 314 340	3 1 1
GARDEN CITY 1 E	36 32 28	Mar29 Mar20 Mar10	Apr14 Apr03 Mar24	May01 Apr18 Apr07	Oct04 Oct15 Oct26	Oct23 Nov03 Nov12	Nov11 Nov23 Nov28	214 235 253	191 213 232	169 191 210	30 22 15
GATESVILLE 4 SSE	36 32 28	Mar22 Mar04 Feb05	Apr05 Mar24 Mar05	Apr19 Apr14 Apr01	Oct17 Oct29 Nov03	Nov02 Nov13 Nov19	Nov19 Nov29 Dec05	231 260 291	211 234 258	190 207 226	18 12 7
GILMER 4 WNW	36 32 28	Mar28 Mar12 Feb24	Apr08 Mar29 Mar15	Apr18 Apr14 Apr04	Oct10 Oct17 Oct29	Oct25 Nov05 Nov19	Nov09 Nov23 Dec09	218 244 278	200 220 248	181 196 218	23 17 10
GLEN ROSE 2 W	36 32 28	Mar30 Mar21 Mar08	Apr18 Apr11 Mar28	May07 May02 Apr18	Sep22 Oct05 Oct14	Oct11 Oct29 Nov06	Oct30 Nov22 Nov29	203 235 251	175 200 222	148 166 193	26 20 14
GOLDTHWAITE 1 WSW	36 32 28	Mar18 Feb28 Feb04	Apr02 Mar20 Mar01	Apr17 Apr09 Mar26	Oct23 Oct27 Nov05	Nov08 Nov15 Nov28	Nov24 Dec05 Dec21	243 264 303	219 239 271	196 215 240	15 10 6
GOLIAD	36 32 28	Feb18 Jan22 Dec30	Mar16 Feb25 Feb06	Apr10 Mar31 Mar14	Oct24 Nov02 Nov17	Nov12 Nov26 Dec14	Dec02 Dec21 Jan19	273 316 >365	241 273 309	209 231 265	8 4 2
GONZALES 1 N	36 32 28	Feb20 Feb03 Dec31	Mar14 Feb26 Feb03	Apr06 Mar21 Mar06	Oct28 Nov07 Nov19	Nov15 Dec01 Dec13	Dec03 Dec24 Jan09	272 310 >365	245 277 310	218 244 279	11 6 3
GRAHAM	36 32 28	Mar26 Mar15 Feb22	Apr11 Apr02 Mar17	Apr26 Apr20 Apr09	Oct09 Oct20 Oct30	Oct25 Nov06 Nov16	Nov11 Nov23 Dec04	222 243 271	197 217 244	171 192 216	27 20 13
GRANDFALLS 3 SSE	36 32 28	Apr03 Mar21 Mar04	Apr14 Apr04 Mar22	Apr26 Apr18 Apr09	Oct07 Oct19 Oct28	Oct25 Nov05 Nov13	Nov13 Nov22 Nov30	214 236 260	193 214 235	173 193 210	31 24 16

GRAPEVINE DAM	36 32 28	Mar18 Mar03 Feb07	Apr01 Mar21 Mar01	Apr16 Apr09 Mar22		Oct20 Oct29 Nov06	Nov05 Nov15 Nov27	Nov21 Dec01 Dec17	240 261 298	217 237 271	194 214 243	21 14 8
GREENVILLE KGV L RADIO	36 32 28	Mar17 Mar06 Feb17	Apr04 Mar23 Mar10	Apr22 Apr08 Mar31		Oct15 Oct28 Nov03	Nov01 Nov13 Nov23	Nov18 Nov30 Dec13	240 259 289	211 235 257	182 211 225	23 16 10
GROVETON	36 32 28	Mar10 Feb19 Jan31	Mar28 Mar14 Feb25	Apr14 Apr06 Mar23		Oct17 Oct27 Nov08	Nov06 Nov14 Dec02	Nov26 Dec01 Dec25	252 273 310	223 244 278	194 216 247	16 9 4
GRUVER	36 32 28	Apr15 Apr06 Mar26	Apr29 Apr20 Apr08	May13 May04 Apr21		Sep23 Oct02 Oct11	Oct07 Oct17 Oct27	Oct20 Nov01 Nov12	179 196 221	160 179 201	141 163 181	42 34 26
GUTHRIE	36 32 28	Mar31 Mar26 Mar06	Apr13 Apr06 Mar24	Apr26 Apr18 Apr11		Oct02 Oct23 Oct27	Oct18 Nov04 Nov10	Nov04 Nov15 Nov23	209 228 251	188 211 230	166 193 208	33 25 18
HALLETTSVILLE 2 N	36 32 28	Feb16 Jan22 Dec30	Mar13 Feb25 Feb07	Apr06 Mar30 Mar14		Oct29 Nov04 Nov19	Nov15 Nov29 Dec14	Dec03 Dec24 Jan11	275 318 >365	247 277 308	219 236 267	9 5 2
HAMILTON 1 NW	36 32 28	Mar13 Feb24 Feb03	Mar29 Mar16 Mar02	Apr15 Apr06 Mar29		Oct24 Oct25 Nov07	Nov07 Nov15 Nov27	Nov21 Dec05 Dec17	239 271 297	222 243 269	205 214 241	20 13 7
HARLINGEN	36 32 28	- - -	Feb01 Jan10 -	Mar10 Feb19 Jan23		Nov22 Dec12 Dec26	Dec21 Jan23 -	- - -	>365 >365 >365	320 >365 >365	270 312 355	2 1 0
HASKELL	36 32 28	Mar25 Mar13 Feb13	Apr05 Mar27 Mar10	Apr16 Apr10 Apr05		Oct19 Oct27 Nov06	Nov05 Nov12 Nov21	Nov22 Nov27 Dec06	232 248 279	213 229 255	194 210 230	24 17 11
HEBBRONVILLE	36 32 28	Jan31 Jan04 -	Feb28 Feb08 Jan24	Mar28 Mar12 Feb24		Nov13 Nov17 Nov29	Nov29 Dec11 Jan05	Dec15 Jan06 -	306 361 >365	273 307 354	239 265 302	5 3 1
HENDERSON	36 32 28	Mar18 Feb28 Feb08	Apr02 Mar20 Mar02	Apr17 Apr08 Mar23		Oct21 Oct29 Nov05	Nov04 Nov15 Nov28	Nov19 Dec01 Dec21	238 266 302	216 239 271	193 213 239	19 13 7
HENRIETTA	36 32 28	Mar28 Mar15 Feb21	Apr10 Mar30 Mar14	Apr23 Apr13 Apr04		Oct11 Oct18 Nov02	Oct26 Nov05 Nov17	Nov09 Nov23 Dec03	219 241 275	198 220 247	176 199 220	27 21 14
HEREFORD	36 32 28	Apr14 Apr04 Mar21	Apr29 Apr19 Apr02	May13 May04 Apr14		Sep27 Oct04 Oct18	Oct10 Oct19 Nov03	Oct24 Nov04 Nov19	185 197 232	164 182 214	143 167 196	42 34 26
HICO	36 32 28	Mar23 Mar05 Feb12	Apr06 Mar25 Mar09	Apr20 Apr15 Apr04		Oct18 Oct26 Nov01	Oct31 Nov10 Nov18	Nov13 Nov25 Dec05	226 253 283	207 229 253	188 205 223	20 14 9
HILLSBORO	36 32 28	Mar18 Feb28 Feb08	Apr02 Mar19 Mar02	Apr17 Apr06 Mar25		Oct21 Oct28 Nov05	Nov06 Nov14 Nov28	Nov22 Dec02 Dec21	238 265 294	217 240 270	196 215 245	17 11 6
HORDS CREEK DAM	36 32 28	Mar26 Mar10 Feb20	Apr11 Mar29 Mar17	Apr27 Apr17 Apr12		Oct05 Oct18 Oct28	Oct26 Nov06 Nov14	Nov17 Nov24 Nov30	227 248 272	198 221 241	168 195 209	24 17 11
HOUSTON BUSH INTL AP	36 32 28	Feb19 Jan31 Dec22	Mar12 Mar01 Jan31	Apr01 Mar30 Mar10		Oct26 Nov05 Nov24	Nov13 Nov30 Dec18	Dec01 Dec25 Jan14	274 309 >365	246 273 319	217 236 282	9 5 2
HOUSTON HOBBY AP	36 32 28	Jan20 Jan02 -	Feb22 Feb08 Jan21	Mar26 Mar18 Mar04		Nov09 Nov17 Dec03	Dec02 Dec20 Jan17	Dec25 Jan22 -	320 >365 >365	282 308 360	245 265 292	5 2 1
HUNTSVILLE	36 32 28	Feb22 Jan28 Jan02	Mar13 Feb23 Feb05	Apr01 Mar21 Mar09		Oct31 Nov10 Nov20	Nov18 Nov30 Dec18	Dec06 Dec19 Jan17	273 310 >365	249 279 313	225 247 277	10 6 3



JACKSBORO	36 32 28	Mar21 Mar04 Feb13	Apr02 Mar21 Mar06	Apr14 Apr08 Mar28	Oct20 Oct28 Nov06	Nov04 Nov14 Nov25	Nov18 Nov30 Dec15	232 259 295	215 237 263	198 215 231	20 14 8
JACKSONVILLE	36 32 28	Mar13 Feb18 Feb01	Mar29 Mar13 Feb24	Apr15 Apr05 Mar19	Oct27 Oct27 Nov15	Nov12 Nov17 Dec05	Nov27 Dec08 Dec26	252 283 311	227 249 283	201 215 256	14 9 5
JAYTON	36 32 28	Mar30 Mar20 Mar05	Apr10 Apr02 Mar22	Apr22 Apr15 Apr08	Oct03 Oct22 Oct29	Oct22 Nov07 Nov15	Nov10 Nov23 Dec01	214 238 260	194 218 237	174 199 214	31 23 16
JEFFERSON	36 32 28	Mar24 Mar08 Feb14	Apr05 Mar25 Mar05	Apr17 Apr12 Mar24	Oct07 Oct21 Oct29	Oct22 Nov06 Nov23	Nov07 Nov23 Dec17	218 253 294	199 225 262	180 198 230	23 16 9
JOHNSON CITY	36 32 28	Mar18 Feb26 Feb08	Apr05 Mar20 Mar02	Apr24 Apr11 Mar23	Oct15 Oct23 Oct31	Nov03 Nov12 Nov21	Nov22 Dec02 Dec12	235 265 296	211 236 264	187 207 231	18 12 7
JUNCTION 4 SSW	36 32 28	Mar26 Mar10 Feb24	Apr14 Apr02 Mar19	May03 Apr25 Apr11	Oct02 Oct15 Oct25	Oct22 Nov01 Nov12	Nov10 Nov18 Nov29	217 239 267	190 212 237	163 185 208	23 17 11
KAUFMAN 3 SE	36 32 28	Mar20 Feb27 Feb04	Apr03 Mar19 Mar01	Apr17 Apr08 Mar27	Oct20 Oct25 Nov02	Nov07 Nov14 Nov24	Nov26 Dec04 Dec16	242 271 302	218 240 267	194 208 232	19 12 7
KINGSVILLE	36 32 28	Jan26 Jan02 -	Feb27 Feb10 Jan23	Mar28 Mar17 Mar06	Nov09 Nov20 Dec04	Nov28 Dec11 Jan12	Dec19 Jan04 -	319 >365 >365	273 303 346	238 266 295	5 2 1
LA GRANGE	36 32 28	Feb23 Feb04 Jan05	Mar16 Feb26 Feb09	Apr07 Mar21 Mar15	Oct25 Oct31 Nov18	Nov15 Nov23 Dec12	Dec05 Dec16 Jan05	269 298 345	243 269 305	216 239 268	10 5 2
LA TUNA 1 S	36 32 28	Mar24 Mar09 Feb12	Apr09 Mar24 Mar07	Apr26 Apr08 Mar29	Oct17 Oct25 Oct31	Oct31 Nov09 Nov18	Nov15 Nov24 Dec05	224 249 286	204 230 256	185 210 225	27 20 12
LAKE KEMP	36 32 28	Mar23 Mar02 Feb19	Apr04 Mar21 Mar13	Apr16 Apr10 Apr05	Oct14 Oct27 Nov06	Nov02 Nov11 Nov22	Nov22 Nov27 Dec07	234 257 282	212 234 252	189 211 223	25 18 11
LAMESA 1 SSE	36 32 28	Mar31 Mar21 Mar06	Apr14 Apr04 Mar24	Apr27 Apr18 Apr10	Oct06 Oct19 Oct28	Oct25 Nov05 Nov14	Nov13 Nov21 Dec01	215 237 258	194 214 235	172 192 211	33 25 16
LAMPASAS	36 32 28	Mar21 Mar15 Feb24	Apr08 Apr01 Mar18	Apr26 Apr18 Apr09	Oct08 Oct18 Oct27	Oct27 Nov07 Nov16	Nov14 Nov26 Dec05	227 241 269	201 219 242	174 197 214	25 19 12
LANGTRY	36 32 28	Feb25 Feb14 Jan22	Mar18 Mar09 Feb16	Apr08 Mar31 Mar13	Oct26 Nov01 Nov09	Nov11 Nov21 Dec04	Nov28 Dec10 Dec29	263 284 330	238 257 290	212 229 251	16 11 5
LAREDO 2	36 32 28	Jan30 Jan11 -	Feb24 Feb09 Jan23	Mar21 Mar10 Mar05	Nov07 Nov12 Nov25	Nov25 Dec05 Dec23	Dec13 Dec29 -	307 337 >365	273 299 334	239 261 290	5 3 1
LAVON DAM	36 32 28	Mar12 Feb22 Jan27	Mar28 Mar15 Feb23	Apr13 Apr04 Mar22	Oct19 Oct22 Nov06	Nov08 Nov14 Nov27	Nov27 Dec07 Dec19	249 275 312	224 244 277	199 212 241	19 13 7
LEVELLAND	36 32 28	Apr05 Mar26 Mar16	Apr20 Apr08 Mar30	May04 Apr21 Apr12	Sep30 Oct14 Oct20	Oct13 Oct27 Nov07	Oct27 Nov09 Nov25	193 215 242	176 201 222	159 187 201	38 30 21
LEXINGTON	36 32 28	Feb22 Feb05 Jan15	Mar16 Mar01 Feb13	Apr08 Mar26 Mar14	Oct25 Nov02 Nov17	Nov15 Nov22 Dec09	Dec05 Dec12 Dec31	274 292 329	243 265 297	212 239 269	13 7 4
LIBERTY	36 32 28	Feb12 Jan16 -	Mar08 Feb18 Jan27	Apr01 Mar23 Mar06	Oct26 Nov09 Nov21	Nov14 Dec01 Dec20	Dec03 Dec22 -	283 327 >365	251 285 324	218 242 282	10 5 2

LIPSCOMB	36 32 28	Apr19 Apr10 Mar26	May03 Apr23 Apr08	May16 May06 Apr20	Sep21 Sep26 Oct05	Oct04 Oct11 Oct22	Oct17 Oct26 Nov07	172 187 214	154 170 196	136 154 178	43 37 30
LITTLEFIELD 2 NW	36 32 28	Apr08 Mar30 Mar19	Apr23 Apr11 Mar31	May07 Apr22 Apr12	Sep28 Oct06 Oct24	Oct13 Oct25 Nov08	Oct29 Nov13 Nov22	196 217 238	173 196 221	150 176 204	39 31 23
LIVINGSTON 2 NNE	36 32 28	Mar15 Feb26 Feb04	Apr01 Mar17 Feb27	Apr18 Apr05 Mar22	Oct13 Oct27 Nov06	Nov03 Nov13 Nov30	Nov23 Nov30 Dec23	243 265 308	215 241 275	187 216 243	17 12 7
LLANO	36 32 28	Mar14 Feb25 Feb02	Apr01 Mar18 Feb26	Apr19 Apr09 Mar23	Oct17 Oct26 Nov06	Nov03 Nov12 Nov23	Nov19 Nov29 Dec10	238 266 299	215 238 269	192 211 239	21 14 8
LONGVIEW	36 32 28	Mar19 Feb27 Feb04	Apr03 Mar19 Mar01	Apr18 Apr08 Mar26	Oct16 Oct28 Nov04	Nov03 Nov15 Nov26	Nov20 Dec03 Dec17	238 266 305	213 240 269	188 213 233	20 13 7
LUBBOCK RGNL AP	36 32 28	Apr02 Mar22 Mar12	Apr12 Apr03 Mar26	Apr23 Apr14 Apr08	Oct05 Oct17 Oct29	Oct21 Nov01 Nov15	Nov06 Nov16 Dec01	207 226 254	191 211 233	175 197 212	31 23 16
LUFKIN ANGELINA CO AP	36 32 28	Mar07 Feb19 Jan25	Mar27 Mar13 Feb20	Apr16 Apr03 Mar18	Oct19 Oct29 Nov06	Nov07 Nov15 Nov30	Nov26 Dec02 Dec25	254 272 314	224 247 282	194 222 250	14 9 4
LULING	36 32 28	Mar01 Feb11 Jan10	Mar24 Mar07 Feb11	Apr16 Mar30 Mar13	Oct20 Oct30 Nov15	Nov09 Nov20 Dec05	Nov28 Dec11 Dec28	258 290 >365	229 258 296	201 226 263	13 8 4
MADISONVILLE	36 32 28	Mar06 Feb11 Jan24	Mar25 Mar07 Feb18	Apr14 Mar30 Mar15	Oct23 Oct28 Nov17	Nov10 Nov18 Dec06	Nov27 Dec08 Dec24	252 283 318	229 255 290	206 228 261	12 7 3
MARATHON	36 32 28	Mar28 Feb28 Mar03	Apr16 Mar30 Mar26	May05 Apr30 Apr15	Oct02 Oct12 Oct20	Oct25 Nov03 Nov10	Nov16 Nov25 Dec04	222 258 269	191 217 229	160 176 197	29 21 13
MARFA # 2	36 32 28	Apr09 Mar23 Mar12	Apr23 Apr11 Apr02	May06 Apr30 Apr22	Oct03 Oct14 Oct20	Oct18 Oct30 Nov08	Nov02 Nov14 Nov28	198 225 251	178 201 220	158 178 189	35 27 19
MARLIN 3 NE	36 32 28	Mar06 Feb13 Feb03	Mar27 Mar10 Feb25	Apr17 Apr05 Mar20	Oct22 Oct28 Nov07	Nov08 Nov17 Nov28	Nov24 Dec07 Dec19	253 280 304	225 251 275	197 222 245	14 9 5
MARSHALL	36 32 28	Mar20 Feb28 Jan30	Apr02 Mar20 Feb25	Apr15 Apr10 Mar23	Oct13 Oct26 Nov04	Oct31 Nov12 Nov27	Nov19 Nov29 Dec20	234 263 309	211 236 275	189 210 240	19 13 7
MASON	36 32 28	Mar22 Mar07 Feb11	Apr06 Mar26 Mar07	Apr22 Apr14 Mar31	Oct13 Oct22 Nov02	Oct30 Nov09 Nov18	Nov15 Nov26 Dec04	229 252 285	206 227 256	182 201 226	22 15 9
MATADOR	36 32 28	Mar30 Mar19 Feb27	Apr11 Apr01 Mar18	Apr23 Apr13 Apr06	Oct12 Oct24 Oct30	Oct27 Nov08 Nov14	Nov11 Nov23 Nov30	213 238 263	199 221 241	185 204 218	28 20 13
MATAGORDA 2	36 32 28	Jan24 Dec24 -	Feb23 Feb06 Jan12	Mar24 Mar12 Feb22	Nov10 Nov21 Dec07	Dec01 Dec18 Jan09	Dec22 Jan23 -	318 >365 >365	279 316 362	243 263 305	4 2 1
MATHIS 4 SSW	36 32 28	Jan18 Dec17 -	Feb21 Feb01 Jan15	Mar23 Mar09 Feb14	Nov17 Nov26 Dec11	Dec03 Dec21 Jan10	Dec21 Jan22 -	332 >365 >365	285 324 355	249 278 314	5 2 1
MCALLEN	36 32 28	- - -	Jan30 Jan05 -	Mar10 Feb14 Jan16	Nov26 Dec16 Dec24	Dec20 Jan30 -	- - -	>365 >365 >365	329 >365 >365	277 316 >365	2 1 0
MCALLEN MILLER INTL AP	36 32 28	- - -	Feb01 Dec27 -	Mar14 Feb06 Jan22	Nov27 Dec08 Dec28	Dec25 Jan15 -	- - -	>365 >365 >365	327 >365 >365	283 325 >365	2 1 0

MCCAMEY	36	Mar16	Apr01	Apr16	Oct17	Nov06	Nov25	240	218	196	20
	32	Feb27	Mar20	Apr10	Oct25	Nov12	Nov29	262	236	210	13
	28	Feb12	Mar08	Mar31	Nov11	Nov24	Dec08	288	261	234	8
MC COOK	36	Jan20	Feb19	Mar21	Nov16	Dec05	Dec25	327	288	250	4
	32	-	Jan26	Mar03	Nov26	Dec25	-	>365	334	290	2
	28	-	Dec31	Feb12	Dec16	Jan20	-	>365	>365	313	1
MEDINA 2 W	36	Mar18	Apr03	Apr20	Oct11	Oct30	Nov17	234	209	183	20
	32	Feb26	Mar22	Apr14	Oct26	Nov10	Nov25	262	233	204	13
	28	Feb08	Mar06	Apr01	Nov02	Nov23	Dec14	295	261	227	8
MCGREGOR	36	Mar11	Mar27	Apr12	Oct27	Nov10	Nov24	246	227	208	17
	32	Feb16	Mar11	Apr03	Nov02	Nov19	Dec06	281	252	223	10
	28	Jan26	Feb21	Mar19	Nov10	Dec03	Dec26	315	284	254	6
MC KINNEY 3 S	36	Mar23	Apr03	Apr14	Oct14	Oct31	Nov16	229	210	190	19
	32	Mar03	Mar21	Apr08	Oct27	Nov11	Nov26	256	235	213	12
	28	Feb08	Mar06	Apr01	Nov03	Nov25	Dec18	292	264	236	7
MC LEAN	36	Apr02	Apr18	May05	Sep30	Oct17	Nov02	204	181	158	32
	32	Mar27	Apr09	Apr21	Oct13	Oct28	Nov13	221	202	183	25
	28	Mar14	Mar28	Apr10	Oct27	Nov10	Nov24	247	226	205	17
MEMPHIS	36	Mar26	Apr10	Apr24	Oct03	Oct22	Nov10	221	195	169	32
	32	Mar19	Apr01	Apr13	Oct23	Nov04	Nov17	233	217	202	25
	28	Feb28	Mar18	Apr06	Oct30	Nov13	Nov27	262	239	216	16
MENARD	36	Mar31	Apr18	May07	Oct02	Oct19	Nov05	208	183	158	24
	32	Mar20	Apr07	Apr25	Oct15	Oct29	Nov13	228	204	181	18
	28	Mar03	Mar23	Apr11	Oct21	Nov08	Nov26	257	230	202	12
MEXIA	36	Mar09	Mar26	Apr11	Oct22	Nov10	Nov28	253	228	204	17
	32	Feb10	Mar06	Mar31	Oct28	Nov20	Dec12	293	258	222	11
	28	Jan28	Feb20	Mar16	Nov08	Dec03	Dec27	319	285	251	6
MIAMI	36	Apr12	Apr26	May10	Sep23	Oct07	Oct21	181	164	146	39
	32	Apr01	Apr15	Apr29	Sep30	Oct19	Nov07	208	186	165	33
	28	Mar19	Apr01	Apr14	Oct15	Oct31	Nov17	230	212	194	25
MIDLAND INTL AP	36	Mar30	Apr08	Apr18	Oct12	Oct30	Nov17	222	204	186	25
	32	Mar13	Mar30	Apr15	Oct26	Nov12	Nov28	249	226	204	17
	28	Mar02	Mar20	Apr08	Nov02	Nov20	Dec07	269	244	219	10
MIDLAND 4 ENE	36	Mar27	Apr10	Apr24	Oct12	Oct29	Nov15	219	201	183	25
	32	Mar14	Mar31	Apr17	Oct22	Nov09	Nov26	245	222	199	18
	28	Feb24	Mar19	Apr10	Nov01	Nov18	Dec05	273	243	214	10
MINEOLA 8 ENE	36	Mar27	Apr09	Apr22	Oct06	Oct23	Nov10	219	197	175	23
	32	Mar15	Apr01	Apr19	Oct20	Nov07	Nov25	249	219	189	17
	28	Feb21	Mar14	Apr05	Nov01	Nov17	Dec03	273	247	221	11
MINERAL WELLS AP	36	Mar18	Apr02	Apr18	Oct26	Nov08	Nov20	239	218	198	19
	32	Mar03	Mar23	Apr13	Oct28	Nov13	Nov29	258	233	209	13
	28	Feb10	Mar06	Mar29	Nov04	Nov23	Dec13	293	262	230	7
MONAHANS	36	Mar29	Apr11	Apr23	Oct12	Oct28	Nov14	216	200	183	27
	32	Mar17	Apr01	Apr17	Oct22	Nov07	Nov23	241	219	197	20
	28	Feb25	Mar16	Apr04	Oct30	Nov17	Dec06	274	245	216	12
MORTON	36	Apr12	Apr26	May10	Sep30	Oct15	Oct31	190	172	153	39
	32	Apr01	Apr14	Apr27	Oct08	Oct24	Nov09	210	193	175	31
	28	Mar16	Mar31	Apr15	Oct24	Nov09	Nov25	243	222	201	23
MOUNT LOCKE	36	Apr11	Apr28	May15	Sep22	Oct14	Nov05	192	168	144	24
	32	Apr01	Apr17	May03	Oct03	Oct26	Nov18	219	191	163	17
	28	Mar21	Apr06	Apr22	Oct17	Nov07	Nov27	240	214	188	11
MOUNT PLEASANT	36	Mar26	Apr09	Apr22	Oct02	Oct19	Nov05	215	192	169	25
	32	Mar13	Mar29	Apr14	Oct17	Nov05	Nov24	246	220	194	19
	28	Feb26	Mar15	Apr01	Oct28	Nov19	Dec11	275	248	221	12
MOUNT VERNON	36	Mar22	Apr03	Apr15	Oct16	Oct30	Nov13	227	210	192	20
	32	Mar02	Mar22	Apr11	Oct25	Nov12	Nov30	261	235	209	14
	28	Feb11	Mar04	Mar25	Nov06	Nov27	Dec18	295	267	239	8

MULESHOE 1	36 32 28	Apr18 Apr01 Mar23	May01 Apr17 Apr06	May14 May02 Apr20	Sep25 Oct05 Oct12	Oct07 Oct21 Oct29	Oct18 Nov06 Nov15	177 208 228	158 186 205	139 164 181	44 36 28
MUNDAY	36 32 28	Mar25 Mar13 Feb20	Apr06 Mar28 Mar14	Apr17 Apr13 Apr06	Oct09 Oct26 Nov02	Oct29 Nov12 Nov19	Nov19 Nov29 Dec06	230 249 276	206 228 249	182 206 222	24 17 11
NAVARRO MILLS DAM	36 32 28	Mar09 Feb26 Feb06	Mar28 Mar16 Mar02	Apr15 Apr03 Mar26	Oct23 Oct28 Nov10	Nov08 Nov18 Nov30	Nov24 Dec09 Dec21	250 278 307	225 246 272	200 214 238	19 13 7
NEW BRAUNFELS	36 32 28	Feb26 Feb08 Jan24	Mar21 Mar04 Feb19	Apr12 Mar29 Mar17	Oct27 Oct31 Nov15	Nov13 Nov21 Dec09	Nov30 Dec12 Jan02	262 291 325	237 261 293	211 231 260	13 8 4
NIXON	36 32 28	Feb18 Jan27 Jan03	Mar12 Feb22 Feb05	Apr02 Mar19 Mar08	Oct27 Nov10 Nov19	Nov17 Dec01 Dec14	Dec08 Dec22 Jan10	276 316 >365	249 281 311	222 247 271	9 5 2
OLNEY	36 32 28	Mar28 Mar11 Feb19	Apr07 Mar26 Mar12	Apr17 Apr10 Apr02	Oct17 Oct25 Nov04	Nov01 Nov11 Nov20	Nov16 Nov27 Dec06	225 250 276	207 229 252	190 208 228	22 16 9
OLTON	36 32 28	Apr14 Mar28 Mar19	Apr27 Apr12 Apr01	May11 Apr28 Apr14	Sep29 Oct03 Oct19	Oct12 Oct20 Nov05	Oct26 Nov06 Nov22	188 212 236	167 190 217	147 169 198	40 32 24
OZONA 1 SSW	36 32 28	Mar25 Mar17 Mar05	Apr11 Apr01 Mar22	Apr29 Apr15 Apr09	Oct07 Oct16 Oct27	Oct25 Nov02 Nov12	Nov11 Nov19 Nov29	218 236 258	196 215 234	173 194 210	25 19 12
PADUCAH	36 32 28	Mar27 Mar15 Feb26	Apr08 Mar29 Mar17	Apr21 Apr11 Apr05	Oct06 Oct19 Oct28	Oct25 Nov05 Nov15	Nov12 Nov23 Dec02	218 242 266	198 221 242	179 199 219	30 22 14
PAINT ROCK	36 32 28	Mar25 Mar15 Feb23	Apr08 Mar31 Mar16	Apr22 Apr16 Apr07	Oct10 Oct21 Oct29	Oct28 Nov06 Nov15	Nov14 Nov22 Dec02	225 239 269	202 219 243	179 199 217	21 15 9
PALACIOS MUNICIPAL AP	36 32 28	Feb10 Dec29 -	Mar03 Feb10 Jan22	Mar24 Mar21 Feb25	Nov08 Nov16 Dec04	Nov28 Dec11 Jan04	Dec17 Jan08 -	299 >365 >365	269 302 345	240 262 305	5 3 1
PALESTINE 2 NE	36 32 28	Mar06 Feb23 Jan30	Mar26 Mar15 Feb25	Apr14 Apr04 Mar23	Oct22 Oct28 Nov06	Nov08 Nov18 Nov28	Nov25 Dec09 Dec20	252 277 310	227 247 275	201 217 240	15 10 5
PAMPA 2	36 32 28	Apr10 Mar31 Mar21	Apr25 Apr13 Apr02	May10 Apr25 Apr14	Sep29 Oct09 Oct24	Oct15 Oct25 Nov07	Oct31 Nov10 Nov21	192 212 238	172 195 218	153 178 198	38 31 23
PANDALE 1 N	36 32 28	Mar11 Feb26 Feb06	Mar29 Mar18 Mar03	Apr16 Apr08 Mar28	Oct18 Oct27 Nov03	Nov05 Nov12 Nov23	Nov22 Nov28 Dec13	247 267 298	220 238 264	193 209 231	20 14 8
PANHANDLE	36 32 28	Apr13 Apr04 Mar21	Apr29 Apr18 Apr04	May14 May02 Apr17	Sep25 Oct03 Oct16	Oct09 Oct22 Nov01	Oct23 Nov09 Nov17	183 206 234	163 186 210	143 166 187	39 31 23
PANTHER JUNCTION	36 32 28	Mar05 Feb14 Jan19	Mar24 Mar11 Feb20	Apr12 Apr06 Mar24	Oct20 Oct31 Nov07	Nov10 Nov19 Dec02	Dec01 Dec08 Dec27	263 285 324	230 252 284	197 219 244	15 9 4
PARIS	36 32 28	Mar17 Feb28 Feb11	Mar31 Mar18 Mar03	Apr14 Apr06 Mar23	Oct20 Oct28 Nov05	Nov04 Nov14 Nov25	Nov19 Dec01 Dec15	238 264 294	218 240 266	198 215 238	21 15 9
PEARSALL	36 32 28	Feb17 Jan30 Jan12	Mar15 Feb22 Feb13	Apr10 Mar18 Mar13	Oct23 Nov06 Nov17	Nov11 Nov25 Dec12	Nov29 Dec14 Jan08	272 310 353	240 275 303	209 240 265	11 6 3
PECOS	36 32 28	Mar23 Mar09 Feb24	Apr07 Mar26 Mar15	Apr23 Apr12 Apr03	Oct15 Oct21 Nov03	Oct29 Nov07 Nov17	Nov13 Nov23 Dec02	223 249 272	204 225 247	186 200 221	28 21 13

PENWELL	36 32 28	Mar29 Mar15 Feb28	Apr10 Mar30 Mar19	Apr21 Apr13 Apr07	Oct13 Oct20 Oct28	Oct30 Nov07 Nov16	Nov16 Nov26 Dec04	224 247 268	203 222 241	182 197 214	26 19 12
PERRYTON	36 32 28	Apr20 Apr12 Mar30	May02 Apr25 Apr11	May15 May08 Apr23	Sep24 Sep30 Oct14	Oct07 Oct17 Oct28	Oct20 Nov02 Nov11	175 190 220	157 174 200	139 159 180	44 38 30
PERSIMMON GAP	36 32 28	Mar01 Feb14 Jan30	Mar22 Mar10 Feb26	Apr11 Apr04 Mar24	Oct11 Oct19 Nov06	Nov02 Nov11 Nov28	Nov24 Dec04 Dec21	254 280 312	224 245 275	195 209 238	19 12 6
PIERCE 1 E	36 32 28	Feb12 Jan19 Dec28	Mar10 Feb19 Feb06	Apr06 Mar22 Mar15	Oct28 Nov03 Nov28	Nov17 Dec06 Dec21	Dec07 Jan08 Jan21	282 334 >365	251 288 317	221 246 273	9 4 2
PILOT POINT	36 32 28	Mar21 Feb28 Feb01	Apr02 Mar20 Feb28	Apr13 Apr10 Mar27	Oct23 Oct29 Nov10	Nov06 Nov14 Nov29	Nov19 Dec01 Dec18	234 263 304	217 238 273	201 213 242	23 15 9
PLAINS	36 32 28	Apr03 Mar15 Mar08	Apr20 Apr05 Mar28	May06 Apr26 Apr17	Oct01 Oct14 Oct23	Oct16 Oct29 Nov09	Oct31 Nov14 Nov25	199 232 250	178 206 225	158 181 199	36 29 21
PLAINVIEW	36 32 28	Apr01 Mar24 Mar09	Apr15 Apr04 Mar24	Apr30 Apr15 Apr09	Oct05 Oct13 Oct30	Oct20 Oct31 Nov12	Nov04 Nov18 Nov25	205 226 251	187 209 232	169 192 212	33 26 17
POINT COMFORT	36 32 28	Jan21 - -	Feb25 Jan28 Jan19	Mar31 Mar06 Feb24	Nov11 Nov25 Dec06	Dec03 Dec18 Jan10	Dec25 - -	317 >365 >365	279 325 355	244 282 302	4 2 1
PORT ARTHUR AP BEAUMONT	36 32 28	Feb07 Jan10 -	Mar04 Feb14 Jan30	Mar28 Mar21 Mar01	Oct30 Nov10 Nov29	Nov18 Dec06 Dec25	Dec08 Jan02 -	290 339 >365	259 295 328	227 250 287	7 4 1
PORT ISABEL	36 32 28	- - -	Jan19 Dec23 -	Mar03 Feb05 Jan22	Dec03 Dec23 Jan02	Dec30 Jan26 -	- - -	>365 >365 >365	342 >365 >365	291 330 >365	1 1 0
PORT MANSFIELD	36 32 28	Dec29 - -	Feb08 Jan10 -	Mar13 Feb21 Jan30	Nov25 Nov29 Dec20	Dec17 Jan07 -	Jan13 - -	>365 >365 >365	311 351 >365	272 308 341	2 1 0
PORT O CONNOR	36 32 28	- - -	Feb09 Jan29 Jan03	Mar18 Mar04 Feb14	Nov14 Nov30 Dec21	Dec09 Dec31 Jan31	- - -	>365 >365 >365	302 338 >365	253 290 322	3 1 1
POST	36 32 28	Mar25 Mar16 Feb26	Apr08 Mar30 Mar18	Apr22 Apr13 Apr06	Oct10 Oct25 Nov01	Oct27 Nov09 Nov16	Nov13 Nov24 Dec01	223 244 267	202 223 243	180 202 218	29 21 14
POTEET	36 32 28	Feb19 Jan30 Jan02	Mar15 Feb25 Feb02	Apr08 Mar23 Mar03	Oct29 Nov11 Nov24	Nov18 Dec02 Dec17	Dec08 Dec22 Jan10	280 313 >365	247 279 316	214 245 281	11 6 3
PRADE RANCH	36 32 28	Mar25 Mar10 Feb20	Apr11 Mar29 Mar16	Apr28 Apr18 Apr10	Oct09 Oct17 Oct28	Oct26 Nov04 Nov16	Nov12 Nov22 Dec05	223 243 274	197 219 244	170 195 214	23 17 10
PRESIDIO	36 32 28	Feb20 Feb04 Jan11	Mar20 Mar05 Feb13	Apr16 Apr02 Mar18	Oct23 Nov02 Nov15	Nov11 Nov20 Dec01	Nov30 Dec08 Dec17	273 296 329	235 260 290	198 224 252	16 9 4
PROCTOR RESERVOIR	36 32 28	Mar15 Mar02 Feb10	Mar31 Mar20 Mar05	Apr16 Apr08 Mar27	Oct21 Oct28 Nov02	Nov05 Nov15 Nov25	Nov21 Dec03 Dec17	240 262 296	219 238 264	198 215 232	22 15 8
PUTNAM	36 32 28	Mar23 Mar09 Feb19	Apr05 Mar24 Mar12	Apr17 Apr07 Apr02	Oct21 Oct27 Nov04	Nov05 Nov13 Nov23	Nov21 Nov30 Dec12	233 251 284	214 234 255	194 216 227	18 12 7
QUANAH 5 SE	36 32 28	Apr01 Mar24 Mar02	Apr13 Apr04 Mar22	Apr26 Apr16 Apr10	Oct01 Oct13 Oct24	Oct18 Nov02 Nov11	Nov03 Nov22 Nov28	207 231 257	186 211 233	166 190 209	31 24 17

RAYMONDVILLE	36 32 28	Jan07 - -	Feb16 Jan19 -	Mar19 Mar04 Feb02		Nov16 Nov27 Dec17	Dec10 Jan01 -	Jan09 - -		>365 >365 >365	295 352 >365	256 290 334	4 1 0
RED BLUFF DAM	36 32 28	Apr03 Mar17 Feb27	Apr13 Mar30 Mar17	Apr24 Apr12 Apr04		Oct11 Oct15 Oct28	Oct27 Nov04 Nov14	Nov11 Nov23 Dec02		212 240 269	196 218 241	179 195 213	27 19 12
RED ROCK	36 32 28	Mar10 Feb26 Feb05	Apr03 Mar21 Mar01	Apr26 Apr13 Mar24		Oct11 Oct23 Oct31	Oct31 Nov15 Nov22	Nov21 Dec07 Dec14		245 270 299	211 238 266	177 205 232	16 10 6
RIO GRANDE CITY 1 SE	36 32 28	Jan27 Dec29 -	Feb27 Feb09 Jan06	Mar30 Mar13 Mar01		Nov05 Nov14 Dec03	Dec03 Dec14 Dec30	Dec31 Jan23 -		325 >365 >365	278 309 >365	231 264 298	5 3 1
RISING STAR 1 S	36 32 28	Mar26 Mar12 Feb22	Apr06 Mar27 Mar15	Apr17 Apr12 Apr05		Oct17 Oct24 Oct31	Nov01 Nov10 Nov20	Nov16 Nov27 Dec10		226 249 279	208 227 249	190 205 220	23 17 10
ROBERT LEE	36 32 28	Mar25 Mar11 Feb17	Apr06 Mar26 Mar13	Apr18 Apr10 Apr06		Oct18 Oct26 Nov04	Nov01 Nov11 Nov19	Nov14 Nov28 Dec03		224 253 277	208 230 251	192 207 224	24 18 11
ROBSTOWN	36 32 28	Jan21 - -	Feb19 Jan31 Jan12	Mar20 Mar03 Feb16		Nov16 Nov27 Dec11	Dec05 Dec23 Jan12	Dec23 - -		323 >365 >365	288 332 >365	253 284 318	4 2 1
ROCKPORT	36 32 28	Jan24 - -	Feb18 Feb02 Jan12	Mar14 Mar02 Feb15		Nov15 Nov24 Nov30	Dec05 Dec20 Jan05	Dec25 - -		318 >365 >365	289 318 355	261 281 318	4 2 1
ROCKSPRINGS	36 32 28	Mar12 Feb20 Jan29	Mar29 Mar18 Feb26	Apr15 Apr13 Mar26		Oct15 Oct25 Oct30	Nov07 Nov17 Nov29	Dec01 Dec10 Dec30		252 278 321	223 243 276	194 208 230	15 9 5
ROSCOE	36 32 28	Mar28 Mar17 Mar02	Apr11 Mar31 Mar21	Apr25 Apr15 Apr09		Oct07 Oct24 Oct31	Oct28 Nov10 Nov16	Nov19 Nov26 Dec02		221 244 262	199 223 239	177 201 216	23 16 10
ROTAN	36 32 28	Mar23 Mar12 Feb18	Apr07 Mar29 Mar14	Apr22 Apr14 Apr07		Oct10 Oct23 Nov02	Oct27 Nov09 Nov17	Nov14 Nov25 Dec03		223 249 275	203 225 248	182 200 220	23 16 10
RUSK	36 32 28	Mar09 Feb16 Jan23	Mar27 Mar10 Feb20	Apr15 Apr01 Mar20		Oct25 Nov05 Nov13	Nov11 Nov21 Dec05	Nov28 Dec07 Dec27		247 282 323	228 255 287	209 229 251	15 9 5
SAM RAYBURN DAM	36 32 28	Mar14 Feb20 Feb01	Apr01 Mar17 Feb28	Apr20 Apr11 Mar26		Oct15 Oct26 Nov08	Nov02 Nov14 Nov28	Nov21 Dec03 Dec18		244 274 308	214 241 273	185 209 237	16 11 6
SAN ANGELO MATHIS AP	36 32 28	Mar26 Mar11 Feb15	Apr06 Mar28 Mar10	Apr17 Apr14 Apr03		Oct19 Oct29 Nov01	Nov02 Nov13 Nov18	Nov15 Nov29 Dec05		229 252 281	209 230 252	188 208 223	21 14 8
SAN ANTONIO INTL AP	36 32 28	Feb22 Feb06 Jan02	Mar16 Feb28 Feb06	Apr07 Mar21 Mar13		Oct26 Nov08 Nov15	Nov14 Nov25 Dec10	Dec02 Dec13 Jan05		270 297 348	242 270 306	214 242 268	11 6 3
SAN MARCOS	36 32 28	Feb23 Jan30 Jan14	Mar18 Feb28 Feb10	Apr10 Mar29 Mar07		Oct27 Nov05 Nov16	Nov13 Nov24 Dec09	Nov29 Dec13 Jan03		266 306 346	239 268 301	211 230 266	13 7 4
SAN SABA	36 32 28	Mar19 Feb25 Feb07	Apr03 Mar20 Mar06	Apr17 Apr12 Apr01		Oct12 Oct25 Nov02	Nov01 Nov11 Nov21	Nov20 Nov28 Dec11		235 265 289	211 236 260	188 206 231	19 13 7
SANDERSON	36 32 28	Mar14 Mar03 Feb13	Mar30 Mar22 Mar09	Apr15 Apr10 Apr02		Oct13 Oct24 Nov02	Oct31 Nov10 Nov19	Nov18 Nov28 Dec07		237 258 285	214 233 255	192 207 225	23 16 9
SEALY	36 32 28	Feb13 Jan21 Dec21	Mar08 Feb18 Jan31	Mar30 Mar17 Mar09		Oct27 Nov07 Nov20	Nov15 Dec08 Dec16	Dec05 Jan09 Jan14		281 332 >365	252 291 318	223 254 279	9 4 2

SEMINOLE	36 32 28	Apr01 Mar18 Mar07	Apr14 Apr02 Mar23	Apr27 Apr16 Apr09		Oct07 Oct18 Oct30	Oct23 Nov03 Nov14	Nov08 Nov19 Nov30	209 237 257	191 215 235	174 193 214	33 25 16
SEYMOUR	36 32 28	Mar28 Mar15 Feb26	Apr11 Mar30 Mar18	Apr26 Apr14 Apr06		Oct07 Oct21 Nov02	Oct26 Nov06 Nov17	Nov15 Nov22 Dec02	221 242 266	197 220 243	173 199 220	28 21 14
SHAMROCK 2	36 32 28	Apr05 Mar24 Mar14	Apr17 Apr06 Mar27	Apr29 Apr19 Apr09		Sep30 Oct07 Oct21	Oct18 Oct27 Nov07	Nov05 Nov16 Nov24	204 226 245	183 203 224	163 180 204	35 27 20
SHEFFIELD	36 32 28	Mar21 Mar09 Feb23	Apr05 Mar26 Mar15	Apr21 Apr12 Apr04		Oct11 Oct22 Oct28	Oct28 Nov07 Nov15	Nov14 Nov23 Dec03	228 246 274	205 225 245	182 205 216	23 16 10
SHERMAN	36 32 28	Mar20 Mar04 Feb03	Apr01 Mar22 Mar01	Apr14 Apr09 Mar27		Oct16 Oct25 Nov03	Nov03 Nov14 Nov26	Nov21 Dec03 Dec18	236 260 304	215 236 269	193 212 233	21 14 8
SIERRA BLANCA 2 E	36 32 28	Apr15 Apr03 Mar22	Apr27 Apr18 Apr07	May10 May03 Apr23		Oct04 Oct16 Oct21	Oct19 Oct29 Nov06	Nov04 Nov12 Nov22	196 209 236	174 193 212	153 177 188	36 27 18
SILVERTON	36 32 28	Apr12 Apr01 Mar21	Apr27 Apr14 Apr03	May12 Apr27 Apr15		Sep28 Oct07 Oct22	Oct11 Oct22 Nov04	Oct25 Nov06 Nov17	183 207 231	167 190 214	150 173 198	40 33 24
SINTON	36 32 28	Jan26 Jan02 -	Feb25 Feb07 Jan23	Mar26 Mar11 Feb26		Nov10 Nov21 Dec05	Nov29 Dec13 Jan03	Dec19 Jan07 -	313 >365 >365	277 308 345	241 270 299	5 2 1
SMITHVILLE	36 32 28	Mar01 Feb09 Jan21	Mar23 Mar04 Feb19	Apr14 Mar27 Mar20		Oct25 Oct30 Nov17	Nov10 Nov20 Dec05	Nov27 Dec11 Dec23	260 292 318	232 260 289	204 228 259	15 9 5
SNYDER	36 32 28	Mar27 Mar19 Feb24	Apr11 Apr01 Mar19	Apr26 Apr14 Apr11		Oct07 Oct23 Nov02	Oct25 Nov07 Nov17	Nov13 Nov22 Dec01	218 240 267	197 219 242	176 199 216	30 22 15
SOMERVILLE DAM	36 32 28	Feb25 Feb08 Jan19	Mar20 Mar03 Feb14	Apr11 Mar26 Mar13		Oct27 Nov02 Nov11	Nov13 Nov23 Dec06	Nov29 Dec13 Dec30	266 294 329	237 264 293	208 233 258	13 8 4
SONORA	36 32 28	Mar25 Mar19 Mar04	Apr10 Apr04 Mar23	Apr26 Apr20 Apr11		Oct03 Oct16 Oct20	Oct22 Nov03 Nov10	Nov10 Nov22 Dec01	223 239 259	194 213 231	166 187 202	24 18 11
SPEARMAN	36 32 28	Apr12 Apr03 Mar19	Apr27 Apr16 Apr01	May12 Apr18 Apr14		Sep25 Oct07 Oct20	Oct12 Oct23 Nov04	Oct29 Nov07 Nov19	189 205 238	168 189 216	146 173 194	37 30 21
SPUR	36 32 28	Mar30 Mar21 Mar05	Apr12 Apr02 Mar24	Apr25 Apr15 Apr11		Oct04 Oct22 Oct28	Oct22 Nov04 Nov13	Nov09 Nov28 Nov28	212 235 258	192 215 233	172 195 209	32 25 17
STAMFORD 1	36 32 28	Mar25 Mar12 Feb17	Apr06 Mar28 Mar13	Apr18 Apr12 Apr07		Oct15 Oct26 Nov04	Nov01 Nov10 Nov19	Nov18 Nov26 Dec05	226 248 277	208 227 250	190 206 224	26 18 11
STEPHENVILLE 1 N	36 32 28	Mar24 Mar03 Feb12	Apr06 Mar22 Mar08	Apr20 Apr09 Apr01		Oct21 Oct27 Nov04	Nov04 Nov13 Nov21	Nov19 Nov29 Dec08	230 257 286	211 235 257	193 213 228	20 14 8
STERLING CITY	36 32 28	Mar30 Mar20 Mar03	Apr12 Apr04 Mar23	Apr26 Apr20 Apr12		Oct01 Oct14 Oct25	Oct18 Nov03 Nov13	Nov04 Nov23 Dec02	209 237 262	188 212 234	167 187 205	27 19 13
STILLHOUSE HOLLOW DAM	36 32 28	Mar04 Feb18 Jan31	Mar23 Mar11 Feb22	Apr12 Mar31 Mar17		Oct22 Oct31 Nov15	Nov11 Nov22 Dec06	Nov30 Dec13 Dec27	259 285 317	232 255 286	204 226 255	16 9 5
STRATFORD	36 32 28	Apr20 Apr10 Mar31	May03 Apr26 Apr12	May17 May12 Apr25		Sep23 Oct01 Oct10	Oct07 Oct15 Oct26	Oct21 Oct29 Nov12	177 190 215	156 171 196	135 153 177	45 38 30

SUGAR LAND	36 32 28	Feb07 Jan14 -	Mar04 Feb15 Jan23	Mar28 Mar18 Mar02	Oct29 Nov10 Nov28	Nov21 Dec10 Dec24	Dec13 Jan09 -	292 339 >365	261 294 328	230 259 286	8 4 2
SULPHUR SPRINGS	36 32 28	Mar22 Mar06 Feb05	Apr04 Mar25 Mar04	Apr16 Apr12 Mar30	Oct13 Oct25 Nov03	Oct28 Nov12 Nov22	Nov12 Dec01 Dec11	226 259 295	207 232 263	187 204 231	21 15 9
TAHOCA	36 32 28	Mar30 Mar21 Mar14	Apr12 Apr04 Mar27	Apr26 Apr18 Apr08	Oct04 Oct17 Oct30	Oct22 Nov04 Nov14	Nov08 Nov22 Nov29	209 234 251	192 213 231	174 193 211	33 26 17
TAYLOR	36 32 28	Mar03 Feb09 Jan28	Mar23 Mar05 Feb21	Apr12 Mar30 Mar18	Oct26 Nov01 Nov12	Nov11 Nov20 Dec06	Nov28 Dec10 Dec30	258 287 320	232 259 287	206 231 254	16 10 5
TEMPLE	36 32 28	Mar01 Feb09 Jan23	Mar21 Mar03 Feb16	Apr11 Mar24 Mar11	Oct25 Nov02 Nov14	Nov12 Nov22 Dec08	Nov30 Dec13 Jan01	264 293 322	235 264 295	206 235 267	15 8 5
TEXARKANA	36 32 28	Mar16 Feb27 Feb02	Mar31 Mar20 Feb28	Apr14 Apr10 Mar25	Oct20 Oct27 Nov10	Nov05 Nov14 Nov30	Nov20 Dec03 Dec21	240 269 307	218 238 275	196 208 243	21 14 8
THOMPSONS 3 WSW	36 32 28	Feb09 Jan09 -	Mar04 Feb13 Jan29	Mar28 Mar17 Mar04	Oct31 Nov12 Nov27	Nov20 Dec08 Dec28	Dec09 Jan04 -	292 353 >365	260 296 333	227 253 283	7 3 1
TILDEN 4 SSE	36 32 28	Feb09 Jan26 -	Mar08 Feb21 Jan28	Apr03 Mar20 Mar03	Oct31 Nov16 Nov22	Nov19 Dec03 Dec23	Dec08 Dec20 -	287 314 >365	256 284 335	224 254 284	8 4 2
TOWN BLUFF DAM	36 32 28	Mar05 Feb16 Jan22	Mar24 Mar09 Feb17	Apr12 Mar29 Mar15	Oct23 Nov02 Nov10	Nov09 Nov19 Dec04	Nov27 Dec07 Dec27	255 281 327	230 255 289	204 229 251	14 9 4
TRUSCOTT 3 W	36 32 28	Mar27 Mar13 Feb25	Apr06 Mar28 Mar16	Apr16 Apr11 Apr04	Oct18 Oct26 Nov01	Nov01 Nov09 Nov18	Nov15 Nov24 Dec05	225 247 272	209 226 246	193 205 220	27 20 13
TULIA	36 32 28	Apr16 Mar31 Mar23	Apr28 Apr14 Apr05	May11 Apr28 Apr18	Sep28 Oct09 Oct21	Oct13 Oct24 Nov05	Oct27 Nov08 Nov21	183 209 233	167 193 213	150 176 193	40 32 24
TURKEY	36 32 28	Mar29 Mar18 Feb28	Apr12 Mar31 Mar19	Apr25 Apr13 Apr08	Oct06 Oct24 Nov02	Oct21 Nov06 Nov17	Nov06 Nov19 Dec02	212 237 269	192 219 242	173 202 215	28 20 13
VAN HORN	36 32 28	Apr03 Mar20 Mar03	Apr15 Apr04 Mar23	Apr27 Apr18 Apr11	Oct15 Oct19 Oct27	Oct30 Nov05 Nov14	Nov15 Nov22 Dec02	215 238 265	197 215 236	179 192 207	29 21 13
VERNON	36 32 28	Mar25 Mar17 Feb26	Apr08 Mar30 Mar17	Apr23 Apr12 Apr06	Oct09 Oct23 Oct27	Oct27 Nov09 Nov15	Nov15 Nov26 Dec05	229 244 270	201 223 242	173 203 215	27 20 13
VICTORIA RGNL AP	36 32 28	Feb04 Jan11 -	Mar02 Feb09 Jan21	Mar29 Mar08 Feb25	Nov02 Nov16 Dec01	Nov22 Dec11 Dec25	Dec13 Jan07 -	297 349 >365	264 305 339	231 271 300	6 3 1
WACO DAM	36 32 28	Mar11 Feb18 Jan31	Mar27 Mar15 Feb25	Apr13 Apr10 Mar22	Oct27 Oct29 Nov08	Nov09 Nov17 Dec02	Nov23 Dec06 Dec27	247 278 313	226 246 280	206 214 247	18 11 6
WACO RGNL AP	36 32 28	Mar11 Feb17 Jan24	Mar28 Mar13 Feb21	Apr14 Apr06 Mar21	Oct25 Nov01 Nov11	Nov10 Nov19 Dec04	Nov27 Dec07 Dec27	250 280 318	227 250 285	204 221 251	15 9 5
WASHINGTON STATE PARK	36 32 28	Feb21 Feb09 Jan15	Mar18 Mar04 Feb15	Apr12 Mar26 Mar14	Oct25 Nov03 Nov15	Nov12 Nov24 Dec08	Nov30 Dec15 Jan03	269 298 337	239 264 296	209 231 265	12 7 3
WATER VALLEY	36 32 28	Apr01 Mar23 Mar02	Apr13 Apr05 Mar22	Apr26 Apr19 Apr11	Oct02 Oct18 Oct27	Oct21 Nov02 Nov13	Nov10 Nov17 Nov30	212 229 258	190 210 235	169 191 212	27 21 14



WAXAHACHIE	36 32 28	Mar11 Feb21 Jan25	Mar26 Mar14 Feb21	Apr09 Apr04 Mar19	Oct27 Nov01 Nov11	Nov10 Nov18 Dec01	Nov24 Dec05 Dec20	246 273 310	229 248 282	211 223 255	15 10 5
WEATHERFORD	36 32 28	Mar27 Mar12 Feb24	Apr09 Mar29 Mar17	Apr22 Apr16 Apr06	Oct08 Oct22 Oct29	Oct25 Nov08 Nov15	Nov11 Nov24 Dec03	222 244 268	198 223 243	175 201 218	25 18 12
WELLINGTON	36 32 28	Mar27 Mar21 Feb28	Apr09 Apr01 Mar19	Apr22 Apr13 Apr08	Oct09 Oct18 Oct27	Oct26 Nov04 Nov15	Nov12 Nov21 Dec04	220 234 266	200 216 240	179 197 213	30 23 15
WESLACO 2 E	36 32 28	- - -	Feb01 Dec30 -	Mar09 Feb17 Jan21	Nov22 Dec13 Dec23	Dec21 Jan22 -	- - -	>365 >365 >365	321 >365 >365	279 306 >365	2 1 0
WHITNEY DAM	36 32 28	Mar15 Feb22 Feb01	Mar30 Mar15 Feb22	Apr15 Apr04 Mar16	Oct26 Oct31 Nov07	Nov10 Nov17 Nov27	Nov25 Dec04 Dec17	246 276 305	224 247 277	201 218 249	19 12 6
WICHITA FALLS SHEPPRD AP	36 32 28	Mar26 Mar14 Feb17	Apr07 Mar28 Mar11	Apr19 Apr12 Apr02	Oct18 Oct23 Nov04	Nov01 Nov09 Nov22	Nov15 Nov27 Dec10	226 247 282	207 225 255	189 204 228	25 17 11
WILLS POINT	36 32 28	Mar17 Feb20 Jan27	Mar31 Mar14 Feb22	Apr14 Apr05 Mar21	Oct28 Oct30 Nov13	Nov09 Nov18 Dec03	Nov21 Dec07 Dec23	240 277 314	222 248 283	204 220 253	18 12 7
WINK WINKLER CO AP	36 32 28	Apr01 Mar18 Feb26	Apr13 Apr02 Mar17	Apr25 Apr17 Apr04	Oct09 Oct18 Oct25	Oct25 Nov04 Nov11	Nov11 Nov21 Nov28	215 237 263	195 215 239	174 194 214	27 20 14
WINTERS 1 NNE	36 32 28	Mar25 Mar08 Feb13	Apr08 Mar26 Mar12	Apr23 Apr12 Apr07	Oct21 Oct28 Nov03	Nov03 Nov11 Nov18	Nov16 Nov25 Dec04	228 250 282	208 230 251	188 210 219	22 15 9
YOAKUM	36 32 28	Feb14 Feb01 Jan02	Mar10 Feb27 Feb05	Apr03 Mar25 Mar07	Oct29 Nov08 Nov17	Nov18 Dec02 Dec13	Dec08 Dec26 Jan10	287 309 364	252 278 311	218 246 271	9 5 2
YSLETA	36 32 28	Mar19 Feb25 Feb07	Apr04 Mar19 Mar05	Apr21 Apr11 Mar30	Oct16 Oct23 Nov01	Oct30 Nov08 Nov19	Nov12 Nov24 Dec07	229 257 290	207 233 258	186 208 227	28 19 11
ZAPATA 3 SW	36 32 28	Jan07 - -	Feb08 Jan24 Dec13	Mar13 Feb24 Jan31	Nov12 Nov25 Dec06	Dec09 Dec25 Jan14	Jan05 - -	349 >365 >365	301 337 >365	258 292 316	3 1 1

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 (Aug 1 - Jul 31).  
(percent of days with temperatures at or below the threshold temperature)



CANYONLANDS THE NECK	36 32 28	Apr/30 Apr/16 Mar/28	May/16 May/04 Apr/20	Jun/02 May/22 May/14	Sep/20 Oct/01 Oct/16	Oct/09 Oct/19 Nov/01	Oct/28 Nov/06 Nov/18	173 191 224	145 167 194	118 143 164	42 35 27
CANYONLANDS THE NEEDLE	36 32 28	Apr/26 Apr/15 Mar/27	May/18 May/06 Apr/19	Jun/09 May/27 May/13	Sep/17 Sep/23 Oct/10	Sep/28 Oct/09 Oct/23	Oct/09 Oct/26 Nov/05	156 187 217	133 156 186	109 125 155	48 40 31
CAPITOL REEF NATL PARK	36 32 28	Apr/19 Apr/01 Mar/14	May/11 Apr/24 Apr/04	Jun/02 May/16 Apr/25	Sep/29 Oct/10 Oct/23	Oct/14 Oct/25 Nov/05	Oct/30 Nov/08 Nov/19	183 211 240	156 183 215	129 156 189	42 35 27
CASTLE DALE	36 32 28	May/22 May/06 Apr/25	Jun/10 May/23 May/09	Jun/29 Jun/09 May/24	Aug/31 Sep/10 Sep/19	Sep/15 Sep/24 Oct/03	Sep/30 Oct/08 Oct/17	124 145 165	96 123 146	68 101 127	59 52 43
CEDAR CITY AP	36 32 28	May/20 May/04 Apr/15	Jun/05 May/21 Apr/30	Jun/21 Jun/07 May/15	Sep/10 Sep/15 Sep/25	Sep/24 Oct/01 Oct/14	Oct/08 Oct/18 Nov/03	131 160 192	110 133 166	88 106 141	52 42 32
CEDAR POINT	36 32 28	May/17 May/04 Apr/16	Jun/11 Jun/03 May/23	Jul/06 Jul/02 Jun/29	Sep/15 Sep/24 Oct/02	Sep/27 Oct/08 Oct/17	Oct/09 Oct/22 Nov/02	135 159 187	108 127 147	80 94 106	57 49 39
CIRCLEVILLE	36 32 28	Jun/01 May/22 May/08	Jun/17 Jun/08 May/24	Jul/03 Jun/25 Jun/10	Aug/22 Sep/06 Sep/12	Sep/07 Sep/17 Sep/25	Sep/22 Sep/28 Oct/07	105 122 143	81 100 123	58 79 102	61 53 43
COALVILLE	36 32 28	Jun/11 May/28 May/04	Jul/01 Jun/16 May/21	Jul/20 Jul/04 Jun/06	Aug/05 Aug/20 Sep/04	Aug/22 Sep/06 Sep/18	Sep/08 Sep/22 Oct/03	81 107 141	51 81 120	22 54 99	68 58 46
COTTONWOOD WEIR	36 32 28	Apr/29 Apr/05 Mar/14	May/15 Apr/27 Apr/10	May/31 May/20 May/07	Sep/21 Sep/29 Oct/20	Oct/09 Oct/18 Nov/03	Oct/27 Nov/07 Nov/18	172 204 236	146 173 207	121 143 178	40 32 22
DEER CREEK DAM	36 32 28	Jun/04 May/21 Apr/28	Jun/22 Jun/07 May/16	Jul/09 Jun/23 Jun/03	Aug/10 Aug/31 Sep/18	Aug/31 Sep/14 Sep/28	Sep/20 Sep/28 Oct/09	97 122 154	69 99 134	42 76 114	67 57 46
DELTA	36 32 28	May/13 May/05 Apr/15	Jun/01 May/21 May/03	Jun/19 Jun/07 May/22	Sep/05 Sep/13 Sep/23	Sep/18 Sep/27 Oct/07	Sep/30 Oct/11 Oct/21	129 148 181	108 128 156	87 108 131	55 46 37
DESERET	36 32 28	May/22 May/11 Apr/19	Jun/08 May/28 May/08	Jun/25 Jun/14 May/26	Aug/27 Sep/09 Sep/14	Sep/13 Sep/21 Sep/29	Sep/29 Oct/04 Oct/14	120 135 168	95 116 144	71 96 119	57 49 40
DEWEY	36 32 28	Apr/29 Apr/20 Mar/30	May/14 May/03 Apr/16	May/29 May/17 May/04	Sep/17 Sep/22 Oct/03	Sep/27 Oct/05 Oct/16	Oct/08 Oct/18 Oct/29	153 173 202	136 154 182	119 135 162	50 43 34
DINOSAUR NM QUARRY AREA	36 32 28	May/06 Apr/25 Apr/12	May/27 May/15 Apr/27	Jun/17 Jun/03 May/12	Sep/06 Sep/14 Sep/20	Sep/19 Sep/26 Oct/07	Oct/01 Oct/09 Oct/23	142 160 186	114 134 162	86 108 138	56 49 41
DUCHESNE	36 32 28	May/16 Apr/26 Apr/18	Jun/02 May/16 May/03	Jun/19 Jun/04 May/18	Sep/01 Sep/18 Sep/23	Sep/17 Sep/28 Oct/10	Oct/02 Oct/08 Oct/26	128 156 180	106 134 159	84 113 137	57 50 41
DUGWAY	36 32 28	May/11 Apr/26 Apr/14	May/28 May/12 Apr/27	Jun/14 May/28 May/10	Sep/09 Sep/14 Sep/26	Sep/20 Sep/28 Oct/14	Oct/01 Oct/11 Oct/31	131 158 190	114 138 169	98 118 149	51 43 33
ECHO DAM	36 32 28	Jun/01 May/20 Apr/27	Jun/21 Jun/06 May/14	Jul/11 Jun/23 May/30	Aug/10 Aug/31 Sep/12	Aug/30 Sep/14 Sep/25	Sep/19 Sep/29 Oct/09	100 121 157	69 99 134	38 78 111	63 53 42
ENTERPRISE BERYL JCT	36 32 28	Jun/08 May/22 May/04	Jun/26 Jun/10 May/25	Jul/15 Jun/28 Jun/14	Aug/19 Aug/29 Sep/12	Sep/05 Sep/16 Sep/26	Sep/23 Oct/04 Oct/10	96 122 144	70 97 123	45 73 102	65 56 46
EPHRAIM SORESENS FLD	36 32 28	May/21 May/11 Apr/25	Jun/09 May/27 May/10	Jun/28 Jun/12 May/24	Sep/08 Sep/13 Sep/17	Sep/19 Sep/26 Oct/04	Sep/30 Oct/09 Oct/20	124 141 169	101 121 146	78 101 123	57 48 38

ESCALANTE	36 32 28	May13 Apr27 Apr12	May31 May15 Apr28	Jun18 Jun02 May14	Sep09 Sep20 Sep29	Sep22 Oct05 Oct17	Oct05 Oct19 Nov04	140 166 196	114 142 171	87 118 147	53 45 35
ESKDALE	36 32 28	May17 May05 Apr09	Jun02 May23 May02	Jun18 Jun10 May24	Sep02 Sep13 Sep21	Sep16 Sep25 Oct07	Sep29 Oct08 Oct24	126 147 187	105 125 158	84 102 129	53 45 37
FAIRFIELD	36 32 28	Jun05 May20 May01	Jun22 Jun07 May20	Jul09 Jun26 Jun08	Aug12 Aug25 Sep11	Sep02 Sep12 Sep24	Sep23 Sep29 Oct06	99 121 147	72 96 126	44 70 106	63 54 43
FARMINGTON COURTHOUSE	36 32 28	Apr29 Apr07 Mar14	May17 May01 Apr10	Jun03 May24 May06	Sep15 Sep23 Oct15	Oct01 Oct12 Oct27	Oct17 Oct31 Nov09	162 195 231	137 164 200	111 132 169	46 36 26
FERRON	36 32 28	May13 Apr30 Apr12	May31 May19 May02	Jun19 Jun07 May22	Sep10 Sep14 Sep23	Sep25 Sep29 Oct10	Oct09 Oct13 Oct27	139 157 185	116 132 160	92 107 135	53 47 39
FILLMORE	36 32 28	May11 Apr26 Mar30	May29 May16 Apr27	Jun16 Jun06 May26	Sep10 Sep17 Sep28	Sep25 Oct05 Oct18	Oct11 Oct22 Nov07	145 173 215	119 141 173	92 108 131	49 40 30
FISH SPRINGS REFUGE	36 32 28	Apr29 Apr16 Mar27	May13 May02 Apr17	May28 May09 May07	Sep20 Sep24 Oct05	Oct01 Oct11 Oct21	Oct13 Oct28 Nov06	161 186 212	140 161 187	120 136 161	46 38 29
FLAMING GORGE	36 32 28	Jun05 May25 May05	Jun22 Jun10 May20	Jul10 Jun26 Jun03	Aug20 Aug31 Sep10	Sep03 Sep13 Sep22	Sep17 Sep26 Oct03	97 115 140	72 94 124	47 74 108	65 56 47
FORT DUCHESNE	36 32 28	May11 Apr30 Apr11	Jun01 May21 May06	Jun23 Jun11 May31	Sep08 Sep15 Sep21	Sep20 Sep27 Oct07	Oct01 Oct10 Oct23	132 154 181	109 129 153	87 103 126	58 51 43
GARFIELD	36 32 28	Apr08 Mar25 Feb24	May07 Apr22 Mar29	Jun06 May20 May02	Sep21 Oct07 Oct12	Oct12 Oct26 Nov04	Nov03 Nov15 Nov26	199 229 263	157 187 218	116 144 174	37 29 20
GREEN RIVER AVIATION	36 32 28	Apr28 Apr16 Mar31	May17 May02 Apr16	Jun04 May19 May02	Sep16 Sep20 Oct01	Sep26 Oct05 Oct17	Oct06 Oct20 Nov02	152 177 207	132 155 183	111 132 159	50 42 35
GROUSE CREEK	36 32 28	Jun09 May26 May03	Jun25 Jun15 May25	Jul12 Jul05 Jun16	Aug12 Aug26 Sep08	Aug31 Sep11 Sep23	Sep19 Sep28 Oct07	96 115 147	66 88 120	36 60 93	65 57 47
HANKSVILLE	36 32 28	May07 Apr19 Apr02	May24 May11 Apr19	Jun11 Jun02 May07	Sep09 Sep19 Sep26	Sep24 Oct03 Oct11	Oct08 Oct16 Oct27	146 168 201	122 144 174	97 120 147	51 44 36
HEBER	36 32 28	Jun05 May19 Apr29	Jun21 Jun04 May18	Jul07 Jun20 Jun06	Aug13 Aug30 Sep15	Sep03 Sep15 Sep26	Sep23 Oct01 Oct08	101 126 153	73 102 131	45 78 109	64 55 43
HOVENWEEP NM	36 32 28	May21 May05 Apr16	Jun03 May17 May04	Jun17 May29 May22	Sep10 Sep20 Sep27	Sep24 Oct05 Oct13	Oct08 Oct20 Oct28	133 160 184	112 140 161	92 120 138	54 47 37
IBAPAH	36 32 28	Jun18 Jun01 May10	Jul06 Jun19 Jun01	Jul23 Jul08 Jun22	Aug05 Aug16 Aug30	Aug20 Sep01 Sep15	Sep04 Sep16 Sep30	72 99 134	45 73 105	17 46 77	69 60 49
JENSEN	36 32 28	May17 Apr30 Apr22	Jun02 May20 May06	Jun18 Jun08 May20	Sep01 Sep08 Sep16	Sep16 Sep21 Oct02	Oct01 Oct04 Oct18	129 150 173	105 123 148	82 96 123	59 52 44
KAMAS	36 32 28	Jun10 May31 May09	Jul01 Jun15 May27	Jul21 Jun30 Jun14	Aug10 Aug24 Sep08	Aug28 Sep10 Sep22	Sep16 Sep26 Oct06	89 107 137	58 85 118	26 64 98	66 57 45
KANAB	36 32 28	May01 Apr11 Mar22	May15 May02 Apr16	May30 May24 May11	Sep23 Oct08 Oct15	Oct10 Oct23 Oct29	Oct27 Nov06 Nov12	172 200 227	147 172 195	122 145 163	45 35 24

KANOSH	36 32 28	May/07 Apr/25 Mar/23	May/27 May/14 Apr/19	Jun/15 Jun/03 May/17	Sep/12 Sep/22 Oct/05	Sep/28 Oct/11 Oct/23	Oct/13 Oct/30 Nov/11	148 178 222	123 149 186	98 120 151	47 38 28
KOOSHAREM	36 32 28	Jun/12 May/28 May/13	Jun/29 Jun/14 Jun/02	Jul/16 Jul/02 Jun/21	Aug/11 Aug/21 Sep/08	Aug/29 Sep/07 Sep/22	Sep/15 Sep/25 Oct/05	83 111 133	60 84 111	37 57 89	70 62 51
LAKETOWN	36 32 28	Jun/10 May/21 Apr/30	Jun/26 Jun/08 May/17	Jul/12 Jun/25 Jun/02	Aug/13 Aug/27 Sep/15	Aug/31 Sep/14 Sep/30	Sep/18 Oct/02 Oct/15	94 126 158	66 98 136	38 69 113	65 55 44
LA VERKIN	36 32 28	Apr/07 Mar/06 Feb/16	May/01 Apr/03 Mar/18	May/24 Apr/30 Apr/16	Oct/06 Oct/15 Oct/26	Oct/21 Oct/30 Nov/09	Nov/05 Nov/13 Nov/23	202 241 271	173 209 236	144 178 200	33 23 15
LEVAN	36 32 28	May/14 May/07 Apr/14	Jun/02 May/23 May/01	Jun/22 Jun/09 May/18	Sep/06 Sep/16 Sep/25	Sep/21 Sep/28 Oct/12	Oct/06 Oct/11 Oct/28	134 149 188	110 127 163	85 106 139	54 46 35
LOGAN RADIO KVNU	36 32 28	May/13 Apr/27 Apr/06	Jun/01 May/14 Apr/23	Jun/19 May/31 May/10	Sep/01 Sep/17 Sep/28	Sep/17 Sep/29 Oct/12	Oct/03 Oct/10 Oct/26	134 156 195	108 137 171	81 117 148	56 47 36
LOGAN UTAH STATE UNIV	36 32 28	May/01 Apr/14 Mar/25	May/19 May/02 Apr/14	Jun/06 May/20 May/04	Sep/16 Sep/26 Oct/13	Oct/02 Oct/13 Oct/28	Oct/18 Oct/29 Nov/13	161 191 224	136 163 197	110 135 169	47 38 29
LOGAN 5 SW EXP FARM	36 32 28	May/27 May/01 Apr/13	Jun/12 May/22 May/04	Jun/28 Jun/12 May/25	Aug/22 Sep/08 Sep/18	Sep/06 Sep/19 Oct/02	Sep/21 Oct/01 Oct/15	109 142 176	86 120 150	63 97 123	59 50 39
MANILA	36 32 28	May/23 May/06 Apr/24	Jun/08 May/24 May/07	Jun/23 Jun/12 May/21	Aug/29 Sep/04 Sep/17	Sep/12 Sep/20 Oct/07	Sep/27 Oct/07 Oct/27	118 145 177	96 118 152	74 92 126	60 52 42
MANTI	36 32 28	May/17 May/01 Apr/19	Jun/03 May/21 May/04	Jun/20 Jun/10 May/18	Sep/10 Sep/17 Sep/22	Sep/22 Sep/29 Oct/11	Oct/04 Oct/12 Oct/29	134 152 183	110 130 159	87 109 135	55 46 36
MARYSVALE	36 32 28	May/30 May/14 Apr/30	Jun/15 May/31 May/18	Jun/30 Jun/17 Jun/05	Aug/25 Sep/08 Sep/15	Sep/10 Sep/19 Sep/29	Sep/25 Oct/01 Oct/13	109 131 150	86 111 133	63 90 116	61 51 41
MEXICAN HAT	36 32 28	Apr/11 Mar/31 Mar/16	May/01 Apr/18 Apr/05	May/20 May/06 Apr/26	Sep/24 Oct/07 Oct/21	Oct/10 Oct/22 Nov/02	Oct/25 Nov/06 Nov/14	188 213 233	161 186 209	134 159 186	44 36 27
MILFORD	36 32 28	May/23 May/12 May/01	Jun/10 May/30 May/15	Jun/27 Jun/17 May/29	Sep/05 Sep/09 Sep/20	Sep/17 Sep/24 Oct/05	Sep/30 Oct/09 Oct/20	120 139 162	99 116 142	79 94 122	58 49 39
MOAB	36 32 28	Apr/14 Mar/28 Mar/11	Apr/30 Apr/14 Mar/30	May/16 May/01 Apr/18	Sep/20 Oct/02 Oct/15	Oct/07 Oct/19 Oct/30	Oct/25 Nov/05 Nov/14	186 217 241	160 187 213	133 157 185	41 33 26
MODENA	36 32 28	May/25 May/13 May/01	Jun/11 May/30 May/16	Jun/28 Jun/16 Jun/01	Sep/01 Sep/13 Sep/18	Sep/17 Sep/25 Oct/04	Oct/02 Oct/07 Oct/19	121 136 162	97 117 140	73 98 117	60 51 41
MONTICELLO	36 32 28	May/26 May/14 Apr/30	Jun/10 May/30 May/13	Jun/25 Jun/15 May/26	Sep/04 Sep/14 Sep/19	Sep/16 Sep/26 Oct/05	Sep/29 Oct/09 Oct/22	117 138 166	98 119 145	78 100 123	58 51 40
MORGAN POWER AND LIGHT	36 32 28	May/27 May/10 Apr/21	Jun/15 May/29 May/08	Jul/03 Jun/17 May/24	Aug/16 Sep/03 Sep/11	Sep/03 Sep/18 Sep/26	Sep/21 Oct/02 Oct/10	110 137 164	80 111 140	50 85 116	61 51 39
MORONI	36 32 28	May/29 May/17 Apr/27	Jun/16 Jun/03 May/18	Jul/04 Jun/21 Jun/09	Aug/20 Aug/30 Sep/15	Sep/08 Sep/17 Sep/30	Sep/27 Oct/06 Oct/15	114 131 160	83 105 134	52 79 108	63 54 43
MOUNTAIN DELL DAM	36 32 28	May/18 May/02 Apr/15	Jun/08 May/21 May/06	Jun/28 Jun/10 May/28	Aug/27 Sep/14 Sep/21	Sep/15 Sep/29 Oct/09	Oct/03 Oct/13 Oct/27	129 157 188	98 129 155	67 102 121	58 48 37

MYTON	36 32 28	May13 May02 Apr18	Jun02 May20 May05	Jun22 Jun07 May23	Sep09 Sep16 Sep24	Sep20 Sep27 Oct09	Oct02 Oct08 Oct24	134 151 179	109 130 156	85 108 134	58 51 43
NATURAL BRIDGES NATL MON	36 32 28	May10 Apr26 Apr10	May27 May14 Apr27	Jun13 Jun01 May14	Sep15 Sep21 Oct03	Oct01 Oct09 Oct22	Oct18 Oct28 Nov09	155 173 201	127 148 177	99 122 154	49 42 32
NEOLA	36 32 28	May18 May04 Apr20	Jun05 May23 May07	Jun22 Jun11 May24	Sep03 Sep12 Sep21	Sep18 Sep27 Oct09	Oct03 Oct11 Oct27	125 152 181	104 126 154	84 99 127	57 50 41
NEPHI	36 32 28	May15 Apr29 Apr14	Jun01 May16 May02	Jun18 Jun02 May21	Sep14 Sep17 Sep27	Sep24 Sep30 Oct14	Oct04 Oct12 Oct31	135 156 191	114 135 164	94 115 137	53 43 32
NEW HARMONY	36 32 28	May07 Apr27 Apr03	May25 May10 Apr25	Jun13 May24 May16	Sep15 Sep23 Oct05	Oct02 Oct09 Oct22	Oct18 Oct25 Nov08	156 174 204	129 151 179	102 128 154	49 40 29
OAK CITY	36 32 28	May07 Apr23 Apr03	May24 May14 Apr24	Jun11 Jun04 May15	Sep16 Sep22 Oct13	Sep29 Oct10 Oct25	Oct12 Oct28 Nov07	151 175 210	127 148 184	104 121 157	46 38 27
OGDEN PIONEER P H	36 32 28	Apr26 Apr08 Mar08	May14 Apr29 Apr05	May31 May20 May03	Sep19 Oct04 Oct21	Oct06 Oct21 Nov03	Oct24 Nov08 Nov16	173 204 240	145 174 211	118 144 183	42 34 24
OGDEN SUGAR FACTORY	36 32 28	Apr30 Apr21 Mar16	May16 May06 Apr11	May31 May20 May06	Sep17 Sep23 Oct13	Sep27 Oct11 Oct25	Oct07 Oct28 Nov06	152 183 225	134 157 197	115 131 168	46 37 27
ORDERVILLE	36 32 28	May16 May02 Apr17	May30 May16 May04	Jun14 May30 May21	Sep10 Sep24 Oct03	Sep23 Oct06 Oct19	Oct06 Oct18 Nov03	132 160 191	115 142 167	98 125 144	53 45 33
OURAY 4 NE	36 32 28	May05 Apr21 Apr07	May23 May09 Apr22	Jun09 May28 May08	Sep09 Sep18 Sep24	Sep21 Sep28 Oct09	Oct03 Oct08 Oct25	141 160 192	121 141 169	101 122 147	55 49 41
PANGUITCH	36 32 28	Jun15 May27 May19	Jul02 Jun18 Jun05	Jul20 Jul09 Jun22	Aug08 Aug23 Sep04	Aug26 Sep10 Sep18	Sep12 Sep28 Oct02	79 116 128	53 84 104	28 51 81	71 62 52
PAROWAN POWER PLANT	36 32 28	May23 May06 Apr21	Jun06 May25 May09	Jun20 Jun13 May26	Sep06 Sep13 Sep22	Sep19 Sep28 Oct11	Oct03 Oct13 Oct30	124 147 184	104 125 155	85 103 125	58 50 41
PARTOUN	36 32 28	May15 May04 Apr17	Jun02 May24 May07	Jun20 Jun12 May27	Sep01 Sep07 Sep18	Sep15 Sep22 Oct04	Sep29 Oct07 Oct19	127 145 172	104 121 149	81 97 125	55 47 37
PINE VIEW DAM	36 32 28	May26 May08 Apr20	Jun11 May26 May07	Jun27 Jun13 May24	Aug27 Sep10 Sep20	Sep11 Sep22 Oct04	Sep26 Oct04 Oct18	116 138 176	92 119 150	68 99 124	62 54 43
PLEASANT GROVE	36 32 28	May03 Apr11 Mar22	May22 May03 Apr14	Jun10 May25 May08	Sep18 Sep27 Oct15	Oct01 Oct17 Oct29	Oct13 Nov05 Nov11	153 199 227	131 166 197	108 132 166	46 37 26
RICHFIELD RADIO K SVC	36 32 28	May24 May07 Apr29	Jun12 May27 May14	Jul02 Jun17 May29	Aug31 Sep08 Sep19	Sep13 Sep21 Oct03	Sep26 Oct03 Oct17	116 138 161	92 116 141	68 93 121	59 50 40
RICHMOND	36 32 28	May30 May03 Apr15	Jun12 May22 May01	Jun24 Jun10 May16	Sep01 Sep15 Sep23	Sep17 Sep27 Oct09	Oct02 Oct09 Oct26	118 147 184	96 127 161	75 108 137	56 46 35
ROOSEVELT RADIO	36 32 28	May19 May05 Apr19	Jun02 May18 May02	Jun17 May31 May16	Sep06 Sep11 Sep21	Sep18 Sep25 Oct07	Sep30 Oct09 Oct23	126 145 182	107 130 157	88 114 133	58 51 43
ST GEORGE	36 32 28	Mar15 Feb25 Feb03	Apr08 Mar20 Feb28	May02 Apr11 Mar25	Oct13 Oct22 Nov02	Oct28 Nov05 Nov19	Nov11 Nov20 Dec05	234 260 298	202 230 263	170 200 228	30 21 13

SALT LAKE CITY INTL AP	36 32 28	Apr/22 Mar/31 Mar/06	May/08 Apr/19 Mar/29	May/24 May/08 Apr/21	Sep/24 Oct/11 Oct/19	Oct/09 Oct/25 Nov/02	Oct/23 Nov/08 Nov/15	177 213 243	153 188 217	130 163 190	42 32 23
SANTAQUIN CHLORINATOR	36 32 28	May/08 Apr/24 Apr/08	May/27 May/16 Apr/24	Jun/15 Jun/07 May/09	Sep/10 Sep/18 Oct/04	Sep/24 Oct/05 Oct/22	Oct/07 Oct/22 Nov/08	142 171 206	119 141 181	96 111 155	51 42 31
SCIPIO	36 32 28	May/28 May/14 May/05	Jun/15 May/31 May/22	Jul/02 Jun/18 Jun/09	Aug/22 Sep/02 Sep/10	Sep/08 Sep/18 Sep/25	Sep/25 Oct/04 Oct/09	110 132 144	85 109 125	60 86 105	61 52 42
SILVER LAKE BRIGHTON	36 32 28	Jun/21 Jun/09 May/22	Jul/11 Jun/30 Jun/10	Jul/30 Jul/20 Jun/28	Aug/02 Aug/12 Aug/25	Aug/22 Aug/31 Sep/12	Sep/10 Sep/20 Sep/30	75 95 124	41 62 94	8 29 63	74 65 56
SNAKE CREEK POWERHOUSE	36 32 28	Jun/10 May/29 May/02	Jun/26 Jun/13 May/21	Jul/12 Jun/28 Jun/08	Aug/08 Aug/22 Sep/10	Aug/28 Sep/11 Sep/24	Sep/17 Oct/01 Oct/09	89 118 149	62 89 126	36 60 104	68 58 46
SOLDIER SUMMIT	36 32 28	Jun/13 May/31 May/19	Jul/08 Jun/21 Jun/06	Aug/02 Jul/12 Jun/24	Aug/03 Aug/13 Aug/29	Aug/19 Sep/04 Sep/14	Sep/04 Sep/27 Oct/01	72 110 130	41 74 100	10 39 70	76 67 58
SPANISH FORK PWR HOUSE	36 32 28	Apr/29 Apr/09 Mar/24	May/18 May/01 Apr/13	Jun/06 May/22 May/03	Sep/16 Sep/28 Oct/09	Sep/30 Oct/16 Oct/25	Oct/14 Nov/03 Nov/10	158 200 219	135 167 194	111 135 169	45 35 25
THIOKOL PLANT 78	36 32 28	May/25 May/03 Apr/23	Jun/13 May/23 May/08	Jul/01 Jun/12 May/24	Sep/01 Sep/11 Sep/19	Sep/16 Sep/24 Oct/03	Sep/30 Oct/08 Oct/18	119 147 171	94 124 147	69 101 123	58 50 39
TIMPANOGOS CAVE	36 32 28	May/12 Apr/25 Mar/31	May/31 May/11 Apr/22	Jun/20 May/28 May/14	Sep/12 Sep/18 Oct/06	Sep/27 Oct/10 Oct/24	Oct/12 Nov/01 Nov/10	147 183 216	118 151 184	89 120 152	50 40 29
TOOELE	36 32 28	May/02 Apr/16 Mar/30	May/23 May/07 Apr/20	Jun/12 May/27 May/10	Sep/18 Oct/02 Oct/16	Sep/30 Oct/17 Oct/30	Oct/12 Nov/02 Nov/13	153 191 218	130 163 192	106 135 166	46 37 27
TRENTON	36 32 28	May/16 May/02 Apr/17	Jun/09 May/27 May/13	Jul/04 Jun/20 Jun/08	Aug/19 Sep/01 Sep/13	Sep/08 Sep/18 Sep/28	Sep/27 Oct/05 Oct/13	125 145 166	90 114 137	54 82 109	62 53 41
UTAH LAKE LEHI	36 32 28	May/09 Apr/24 Apr/05	May/29 May/14 Apr/23	Jun/18 Jun/03 May/11	Sep/07 Sep/16 Sep/28	Sep/22 Sep/30 Oct/17	Oct/06 Oct/13 Nov/05	137 161 203	115 138 176	93 116 150	55 45 35
VERNAL AP	36 32 28	May/21 May/06 Apr/22	Jun/05 May/25 May/09	Jun/19 Jun/14 May/25	Aug/30 Sep/12 Sep/19	Sep/15 Sep/23 Oct/03	Oct/01 Oct/05 Oct/17	125 141 169	102 120 146	78 100 124	58 51 43
VERNON	36 32 28	May/30 May/16 May/01	Jun/16 May/31 May/17	Jul/02 Jun/15 Jun/02	Aug/26 Sep/08 Sep/19	Sep/10 Sep/20 Oct/01	Sep/25 Oct/03 Oct/13	108 129 155	86 112 136	64 94 117	59 51 41
VEYO POWERHOUSE	36 32 28	Apr/30 Mar/28 Mar/05	May/18 Apr/26 Mar/31	Jun/05 May/25 Apr/26	Sep/27 Oct/06 Oct/15	Oct/17 Oct/24 Nov/03	Nov/05 Nov/12 Nov/22	173 215 249	151 181 216	130 146 184	40 30 19
WAH WAH RANCH	36 32 28	May/20 May/10 Apr/22	Jun/08 May/27 May/10	Jun/26 Jun/13 May/28	Sep/06 Sep/12 Sep/16	Sep/17 Sep/26 Oct/04	Sep/28 Oct/10 Oct/22	126 143 173	101 121 146	75 99 119	54 46 37
WANSHIP DAM	36 32 28	Jun/22 May/31 May/09	Jul/08 Jun/20 Jun/04	Jul/24 Jul/09 Jun/29	Aug/02 Aug/12 Aug/30	Aug/19 Sep/02 Sep/15	Sep/04 Sep/23 Oct/01	67 108 133	41 74 103	15 40 73	68 57 46
WENDOVER	36 32 28	Apr/17 Mar/29 Mar/09	May/03 Apr/15 Mar/31	May/20 May/03 Apr/22	Sep/25 Oct/09 Oct/12	Oct/12 Oct/23 Oct/28	Oct/29 Nov/06 Nov/13	186 215 239	161 190 211	136 166 182	42 34 26
WOODRUFF	36 32 28	Jun/28 Jun/04 May/12	Jul/14 Jun/25 Jun/02	Jul/30 Jul/16 Jun/22	Jul/31 Aug/04 Aug/20	Aug/13 Aug/24 Sep/07	Aug/27 Sep/12 Sep/24	52 90 126	29 59 96	7 28 67	75 66 56

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 (Aug 1 - Jul 31).  
(percent of days with temperatures at or below the threshold temperature)



Freeze / Frost Occurrence Data

All probabilities in whole percent. See notes for probability level description.  
- Indicates the probability of occurrence of threshold temperatureis less than indicated probability.

State And Station Name	Thresh hold (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			Prob o b a b i l i t y  (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
Virginia											
ABINGDON 3 S	36 32 28	Apr23 Apr12 Mar30	May13 Apr30 Apr15	Jun02 May17 May02	Sep19 Sep29 Oct04	Oct03 Oct10 Oct21	Oct16 Oct21 Nov06	164 185 210	142 163 188	120 141 165	39 31 22
AMELIA 4 SW	36 32 28	Apr17 Apr01 Mar23	Apr30 Apr17 Apr07	May13 May03 Apr21	Sep26 Oct03 Oct13	Oct10 Oct21 Oct30	Oct25 Nov09 Nov17	182 216 230	162 186 206	142 156 182	36 28 20
APPOMATTOX	36 32 28	Apr15 Mar29 Mar16	Apr29 Apr14 Apr02	May13 May01 Apr18	Sep28 Oct06 Oct15	Oct11 Oct23 Nov02	Oct24 Nov09 Nov19	186 211 239	164 191 213	143 171 187	36 28 20
ASHLAND	36 32 28	Apr17 Apr02 Mar23	Apr30 Apr15 Apr04	May13 Apr28 Apr16	Sep30 Oct07 Oct16	Oct12 Oct22 Nov01	Oct23 Nov07 Nov17	184 209 233	164 189 211	144 169 188	33 26 19
BACK BAY WILDLIFE REFUGE	36 32 28	Mar28 Mar15 Feb18	Apr10 Mar31 Mar09	Apr22 Apr16 Mar28	Oct21 Nov03 Nov17	Nov07 Nov22 Dec08	Nov24 Dec11 Dec30	234 260 306	211 236 273	187 211 240	20 13 7
BEDFORD	36 32 28	Apr11 Mar30 Mar17	Apr27 Apr11 Mar31	May12 Apr24 Apr14	Sep29 Oct09 Oct15	Oct12 Oct25 Nov04	Oct26 Nov10 Nov25	187 217 244	168 197 218	149 176 192	31 23 16
BIG MEADOWS	36 32 28	May03 Apr25 Apr13	May25 May13 Apr29	Jun16 May31 May16	Sep08 Sep15 Sep26	Sep24 Oct02 Oct15	Oct10 Oct18 Nov03	151 167 196	121 141 168	91 115 140	47 40 32
BLACKSBURG	36 32 28	Apr30 Apr17 Mar31	May16 May04 Apr20	Jun01 May21 May09	Sep12 Sep22 Oct04	Sep27 Oct06 Oct19	Oct12 Oct20 Nov03	155 176 210	133 155 182	111 133 154	44 37 27
BREMO BLUFF	36 32 28	Apr18 Apr08 Mar26	May03 Apr21 Apr09	May17 May03 Apr24	Sep27 Oct05 Oct10	Oct09 Oct17 Oct29	Oct20 Oct30 Nov16	177 198 228	158 179 202	140 160 175	39 32 24
BROOKNEAL	36 32 28	Apr20 Apr05 Mar22	May03 Apr18 Apr04	May16 Apr30 Apr17	Sep23 Oct06 Oct15	Oct07 Oct20 Nov01	Oct21 Nov03 Nov17	177 200 233	156 185 210	134 169 187	39 31 22
BUCHANAN	36 32 28	Apr21 Apr07 Mar24	May05 Apr23 Apr08	May19 May10 Apr22	Sep29 Oct07 Oct14	Oct09 Oct21 Oct30	Oct19 Nov04 Nov15	173 202 225	156 180 205	138 158 185	36 28 19
BUENA VISTA	36 32 28	May14 Apr28 Apr09	May26 May17 May04	Jun06 Jun04 May28	Sep22 Oct04 Oct17	Oct07 Oct19 Nov02	Oct22 Nov03 Nov18	154 178 214	133 154 182	112 130 150	45 36 27
BURKES GARDEN	36 32 28	May10 Apr28 Apr22	Jun01 May16 May04	Jun23 Jun04 May15	Aug28 Sep10 Sep24	Sep14 Sep26 Oct07	Oct01 Oct12 Oct19	129 156 172	104 132 156	78 108 139	47 39 30
CHARLOTTE COURT HOUSE	36 32 28	Apr14 Apr01 Mar17	May02 Apr17 Apr04	May19 May03 Apr22	Sep25 Oct04 Oct14	Oct10 Oct21 Oct31	Oct25 Nov07 Nov18	185 211 236	161 187 209	136 162 182	35 27 19

CHARLOTTEVILLE 2 W	36 32 28	Apr/04 Mar/29 Mar/12	Apr/16 Apr/07 Mar/26	Apr/28 Apr/16 Apr/09		Oct/05 Oct/13 Oct/24	Oct/21 Oct/31 Nov/10	Nov/07 Nov/18 Nov/28	208 227 254	188 206 229	168 185 203	31 23 15
CHASE CITY	36 32 28	Apr/11 Mar/30 Mar/17	Apr/29 Apr/15 Apr/02	May/17 May/01 Apr/17		Oct/01 Oct/07 Oct/15	Oct/18 Oct/25 Nov/05	Nov/03 Nov/11 Nov/25	194 217 245	171 192 216	148 167 188	33 26 18
CHATHAM	36 32 28	Apr/25 Apr/19 Mar/29	May/11 May/01 Apr/15	May/26 May/13 May/02		Sep/21 Sep/26 Oct/04	Oct/04 Oct/09 Oct/20	Oct/16 Oct/22 Nov/04	166 182 212	145 161 187	124 139 162	43 36 27
COLONIAL BEACH	36 32 28	Apr/02 Mar/21 Mar/09	Apr/15 Apr/06 Mar/25	Apr/28 Apr/22 Apr/10		Oct/05 Oct/17 Oct/29	Oct/21 Nov/03 Nov/17	Nov/06 Nov/20 Dec/06	210 235 262	188 211 236	166 187 210	30 22 15
CORBIN	36 32 28	Apr/20 Apr/06 Mar/22	May/05 Apr/04	May/21 May/05 Apr/18		Sep/26 Oct/04 Oct/15	Oct/08 Oct/19 Nov/02	Oct/21 Nov/03 Nov/20	174 203 238	155 181 211	137 159 184	35 27 20
COVINGTON FILTER PLANT	36 32 28	Apr/30 Apr/20 Apr/02	May/16 May/03 Apr/15	Jun/01 May/15 Apr/27		Sep/21 Sep/29 Oct/08	Oct/02 Oct/11 Oct/22	Oct/14 Oct/23 Nov/05	160 178 209	139 160 190	118 143 171	40 32 23
DALE ENTERPRISE	36 32 28	Apr/28 Apr/18 Apr/02	May/12 Apr/30 Apr/13	May/26 May/12 Apr/24		Sep/19 Sep/30 Oct/09	Oct/01 Oct/13 Oct/25	Oct/13 Oct/26 Nov/10	160 185 215	141 165 194	122 146 173	40 32 23
DANVILLE	36 32 28	Apr/07 Mar/23 Mar/06	Apr/21 Apr/08 Mar/22	May/04 Apr/24 Apr/06		Oct/06 Oct/14 Oct/25	Oct/19 Oct/27 Nov/10	Nov/02 Nov/09 Nov/25	201 222 255	181 201 232	161 181 209	33 25 16
FARMVILLE 2 N	36 32 28	Apr/20 Apr/06 Mar/24	May/01 Apr/18 Apr/06	May/13 Apr/29 Apr/19		Sep/30 Oct/06 Oct/13	Oct/09 Oct/20 Oct/28	Oct/18 Nov/04 Nov/13	175 202 224	160 185 205	145 167 186	35 28 20
FLOYD 2 NE	36 32 28	May/05 Apr/29 Apr/16	May/24 May/16 May/01	Jun/11 Jun/02 May/15		Sep/02 Sep/16 Sep/25	Sep/19 Sep/29 Oct/08	Oct/06 Oct/12 Oct/20	144 156 178	117 135 160	90 114 142	44 37 28
GALAX RADIO WBRF	36 32 28	Apr/29 Apr/24 Apr/04	May/16 May/08 Apr/21	Jun/02 May/21 May/08		Sep/14 Sep/26 Oct/03	Sep/27 Oct/06 Oct/18	Oct/10 Oct/17 Nov/02	154 168 202	133 151 180	113 133 158	42 34 25
GRUNDY	36 32 28	Apr/22 Apr/08 Mar/26	May/05 Apr/24 Apr/10	May/19 May/10 Apr/24		Sep/26 Oct/06 Oct/17	Oct/09 Oct/21 Nov/02	Oct/22 Nov/05 Nov/18	172 202 229	156 179 206	141 156 182	40 32 23
HOLLAND 1 E	36 32 28	Apr/11 Mar/30 Mar/12	Apr/23 Apr/12 Mar/25	May/04 Apr/25 Apr/07		Oct/01 Oct/10 Oct/23	Oct/14 Oct/25 Nov/09	Oct/27 Nov/09 Nov/25	192 213 249	173 195 228	155 177 207	30 23 15
HOPEWELL	36 32 28	Apr/07 Mar/24 Mar/05	Apr/21 Apr/06 Mar/23	May/05 Apr/19 Apr/10		Oct/07 Oct/11 Oct/24	Oct/19 Oct/27 Nov/07	Oct/31 Nov/12 Nov/22	201 224 252	181 203 228	160 181 204	27 20 13
HOT SPRINGS	36 32 28	Apr/28 Apr/18 Apr/01	May/16 May/03 Apr/16	Jun/02 May/18 May/02		Sep/15 Sep/26 Oct/07	Sep/29 Oct/13 Oct/28	Oct/13 Oct/30 Nov/18	156 185 223	135 162 194	115 139 165	44 36 27
JOHN H KERR DAM	36 32 28	Apr/13 Mar/29 Mar/13	Apr/27 Apr/11 Mar/28	May/11 Apr/24 Apr/12		Oct/01 Oct/12 Oct/17	Oct/16 Oct/25 Nov/05	Oct/31 Nov/08 Nov/25	192 215 248	172 197 222	151 179 196	32 24 16
LANGLEY AIR FORCE BASE	36 32 28	Mar/22 Mar/10 Feb/21	Apr/04 Mar/26 Mar/09	Apr/17 Apr/11 Mar/24		Oct/22 Nov/06 Nov/12	Nov/06 Nov/20 Dec/05	Nov/21 Dec/04 Dec/27	238 256 299	216 238 270	194 220 241	21 14 8
LAWRENCEVILLE 3 E	36 32 28	Apr/19 Apr/06 Mar/20	May/04 Apr/21 Apr/06	May/19 May/05 Apr/22		Sep/25 Oct/06 Oct/13	Oct/10 Oct/18 Oct/29	Oct/26 Oct/30 Nov/14	180 198 229	158 179 206	136 160 182	33 26 18
LEXINGTON	36 32 28	Apr/25 Apr/15 Mar/30	May/09 Apr/28 Apr/11	May/22 May/12 Apr/23		Sep/23 Oct/02 Oct/13	Oct/04 Oct/15 Oct/28	Oct/15 Oct/27 Nov/12	167 188 217	148 169 199	129 149 181	38 30 22

LINCOLN	36 32 28	Apr 21 Apr 05 Mar 24	May 03 Apr 18 Apr 05	May 16 May 01 Apr 18	Sep 24 Oct 06 Oct 17	Oct 08 Oct 21 Oct 31	Oct 22 Nov 04 Nov 15	177 208 225	157 185 209	138 163 192	37 29 20
LOUISA	36 32 28	Apr 25 Apr 11 Mar 28	May 09 Apr 24 Apr 12	May 24 May 07 Apr 28	Sep 21 Sep 29 Oct 10	Oct 03 Oct 13 Oct 27	Oct 14 Oct 28 Nov 13	164 191 222	146 172 197	127 152 171	37 29 21
LURAY 5 E	36 32 28	Apr 29 Apr 21 Apr 03	May 16 May 04 Apr 17	Jun 01 May 18 May 01	Sep 18 Sep 27 Oct 11	Sep 29 Oct 08 Oct 24	Oct 10 Oct 19 Nov 05	153 175 210	136 156 189	118 137 168	42 36 26
LYNCHBURG MUNICIPAL AP	36 32 28	Apr 15 Mar 27 Mar 17	Apr 29 Apr 13 Apr 01	May 12 Apr 29 Apr 15	Sep 30 Oct 10 Oct 17	Oct 11 Oct 23 Nov 03	Oct 22 Nov 04 Nov 20	184 214 239	165 192 216	146 171 192	33 24 16
MARTINSVILLE FILTER PLT	36 32 28	Apr 20 Apr 15 Mar 27	May 08 Apr 29 Apr 12	May 26 May 13 Apr 27	Sep 24 Oct 01 Oct 13	Oct 06 Oct 16 Oct 29	Oct 19 Oct 30 Nov 13	173 188 218	151 169 199	128 149 180	39 32 23
MATHEWS 4 SE	36 32 28	Mar 28 Mar 10 Feb 27	Apr 13 Apr 01 Mar 19	Apr 28 Apr 24 Apr 08	Oct 07 Oct 13 Oct 29	Oct 21 Oct 28 Nov 14	Nov 04 Nov 13 Nov 29	210 235 263	191 209 239	172 183 215	28 20 13
MOUNT WEATHER	36 32 28	Apr 16 Apr 07 Apr 01	May 01 Apr 22 Apr 12	May 17 May 07 Apr 24	Sep 29 Oct 07 Oct 20	Oct 13 Oct 23 Nov 05	Oct 28 Nov 08 Nov 22	185 207 230	164 184 207	143 161 184	38 31 23
NORFOLK INTL AP	36 32 28	Mar 23 Mar 03 Feb 14	Apr 06 Mar 20 Mar 04	Apr 19 Apr 07 Mar 22	Oct 23 Nov 06 Nov 16	Nov 10 Nov 23 Dec 06	Nov 27 Dec 11 Dec 27	243 271 302	217 247 277	191 223 251	20 13 7
PAINTER 2 W	36 32 28	Apr 08 Mar 28 Mar 08	Apr 23 Apr 09 Mar 24	May 07 Apr 20 Apr 09	Oct 09 Oct 18 Oct 29	Oct 24 Nov 04 Nov 18	Nov 09 Nov 20 Dec 07	209 230 267	184 208 238	159 187 210	25 19 12
PENNINGTON GAP	36 32 28	Apr 23 Apr 16 Mar 30	May 11 May 01 Apr 20	May 29 May 16 May 10	Sep 16 Sep 29 Oct 04	Oct 01 Oct 11 Oct 20	Oct 15 Oct 23 Nov 04	168 183 206	142 163 182	116 142 158	39 31 23
PHILPOTT DAM 2	36 32 28	Apr 16 Apr 02 Mar 19	May 02 Apr 17 Apr 02	May 18 May 02 Apr 16	Sep 30 Oct 10 Oct 18	Oct 12 Oct 24 Nov 04	Oct 24 Nov 07 Nov 21	184 209 236	162 189 215	140 170 194	36 28 19
PIEDMONT RESEARCH STN	36 32 28	Apr 13 Mar 29 Mar 22	Apr 27 Apr 14 Apr 04	May 11 Apr 29 Apr 17	Sep 30 Oct 12 Oct 19	Oct 14 Oct 26 Nov 06	Oct 27 Nov 09 Nov 23	191 216 238	170 195 215	148 173 192	35 28 19
PULASKI	36 32 28	Apr 30 Apr 19 Apr 02	May 19 May 06 May 17	Jun 06 May 22 May 02	Sep 15 Sep 24 Oct 06	Sep 28 Oct 06 Oct 21	Oct 11 Oct 18 Nov 05	151 176 207	131 153 187	112 129 166	42 34 24
RICHMOND BYRD INTL AP	36 32 28	Apr 06 Mar 22 Mar 11	Apr 21 Apr 06 Mar 27	May 07 Apr 21 Apr 11	Oct 06 Oct 15 Oct 21	Oct 20 Oct 30 Nov 08	Nov 02 Nov 14 Nov 26	201 229 252	181 206 225	160 183 198	30 22 15
ROANOKE WOODRUM AP	36 32 28	Apr 15 Mar 29 Mar 13	Apr 30 Apr 13 Mar 29	May 14 Apr 27 Apr 14	Sep 27 Oct 06 Oct 16	Oct 08 Oct 22 Nov 03	Oct 19 Nov 07 Nov 21	182 214 239	161 192 218	140 170 196	32 24 16
ROCKY MOUNT	36 32 28	Apr 14 Apr 03 Mar 16	Apr 30 Apr 20 Apr 02	May 17 May 06 Apr 19	Sep 28 Oct 05 Oct 15	Oct 10 Oct 20 Nov 04	Oct 22 Nov 04 Nov 23	185 209 240	162 182 215	139 156 189	36 28 19
SALTVILLE 1 N	36 32 28	Apr 23 Apr 16 Mar 27	May 17 May 06 Apr 22	Jun 10 May 25 May 19	Sep 13 Sep 24 Oct 02	Sep 29 Oct 09 Oct 15	Oct 16 Oct 25 Oct 29	168 188 211	135 156 176	101 124 140	46 38 30
STAFFORDSVILLE 3 ENE	36 32 28	Apr 28 Apr 19 Mar 29	May 16 May 02 Apr 18	Jun 02 May 16 May 09	Sep 19 Sep 27 Oct 03	Oct 01 Oct 08 Oct 18	Oct 14 Oct 18 Nov 01	159 174 206	138 157 181	116 140 157	40 32 23
STAUNTON SEWAGE PLANT	36 32 28	Apr 24 Apr 12 Apr 05	May 12 Apr 30 Apr 19	May 31 May 18 May 04	Sep 20 Sep 24 Oct 03	Sep 30 Oct 10 Oct 20	Oct 10 Oct 26 Nov 05	162 190 210	140 162 182	119 134 155	43 36 27

STONY CREEK 1 E	36 32 28	Apr09 Mar28 Mar16	Apr25 Apr14 Mar31	May12 May01 Apr16	Sep27 Oct04 Oct14	Oct12 Oct21 Oct31	Oct27 Nov06 Nov17	193 212 236	169 189 213	145 165 189	33 25 18
STUART	36 32 28	Apr15 Apr01 Mar14	Apr29 Apr18 Mar31	May14 May06 Apr18	Sep28 Oct08 Oct18	Oct14 Oct25 Nov07	Oct31 Nov11 Nov27	188 210 245	167 189 220	146 168 194	32 24 16
SUFFOLK LAKE KILBY	36 32 28	Mar29 Mar14 Feb25	Apr11 Mar30 Mar15	Apr24 Apr16 Apr01	Oct10 Oct19 Nov10	Oct27 Nov07 Nov29	Nov13 Nov26 Dec19	223 247 283	198 221 259	173 194 235	25 18 11
TANGIER ISLAND	36 32 28	Mar21 Mar08 Feb24	Apr04 Mar22 Mar11	Apr17 Apr05 Mar25	Oct23 Nov07 Nov19	Nov12 Nov28 Dec07	Dec01 Dec18 Dec25	249 273 295	221 250 270	194 226 245	22 14 9
TYE RIVER 1 SE	36 32 28	Apr18 Apr03 Mar18	May01 Apr16 Apr02	May14 Apr28 Apr16	Sep29 Oct02 Oct17	Oct10 Oct17 Nov03	Oct22 Nov01 Nov20	179 204 237	162 184 215	144 163 193	36 28 19
VIENNA	36 32 28	Apr12 Mar30 Mar17	Apr27 Apr10 Mar31	May12 Apr22 Apr14	Oct21 Oct30 Nov02	Nov02 Nov07 Nov15	Nov14 Nov15 Nov28	208 224 250	188 210 229	168 196 207	34 26 19
WALKERTON 2 NW	36 32 28	Apr20 Apr05 Mar22	May01 Apr16 Apr05	May13 Apr27 Apr18	Sep29 Oct08 Oct15	Oct11 Oct22 Oct31	Oct24 Nov04 Nov16	181 206 230	162 188 209	144 170 187	33 26 18
WARRENTON 3 SE	36 32 28	Apr13 Mar30 Mar21	Apr30 Apr13 Apr03	May17 Apr28 Apr16	Sep27 Oct07 Oct20	Oct13 Oct25 Nov06	Oct28 Nov12 Nov23	189 216 238	165 194 216	141 173 194	36 29 21
WARSAW 2 NW	36 32 28	Apr12 Mar28 Mar18	Apr25 Apr11 Apr02	May07 Apr25 Apr16	Oct03 Oct10 Oct19	Oct16 Oct26 Nov06	Oct28 Nov10 Nov25	193 218 242	173 197 218	154 176 194	29 22 15
WASHINGTON DULLES INTL	36 32 28	Apr24 Apr06 Mar26	May07 Apr23 Apr07	May21 May09 Apr20	Sep22 Sep29 Oct11	Oct05 Oct13 Oct26	Oct17 Oct26 Nov10	170 194 219	150 172 201	129 150 182	39 31 23
WASHINGTON REAGAN NTL AP	36 32 28	Mar29 Mar17 Mar02	Apr09 Mar29 Mar16	Apr20 Apr10 Mar30	Oct17 Oct27 Nov10	Nov02 Nov15 Nov29	Nov19 Dec03 Dec19	228 256 284	207 230 258	185 204 231	26 18 11
WEST POINT 2 NW	36 32 28	Apr13 Mar31 Mar20	Apr26 Apr11 Apr02	May08 Apr22 Apr15	Sep30 Oct11 Oct18	Oct15 Oct25 Nov04	Oct30 Nov08 Nov21	193 215 238	171 196 215	149 178 193	30 23 16
WILLIAMSBURG 2 N	36 32 28	Apr09 Mar27 Mar11	Apr23 Apr10 Mar28	May07 Apr25 Apr14	Oct07 Oct14 Oct31	Oct21 Oct29 Nov13	Nov04 Nov12 Nov27	202 222 249	180 200 230	158 179 210	29 22 15
WINCHESTER 7 SE	36 32 28	Apr28 Apr16 Apr01	May12 Apr29 Apr12	May27 May13 Apr23	Sep15 Sep25 Oct10	Sep30 Oct12 Oct24	Oct15 Oct29 Nov07	162 191 212	140 165 194	118 140 176	42 34 25
WISE 3 E	36 32 28	Apr20 Apr12 Mar26	May08 Apr29 Apr10	May26 May16 Apr25	Sep23 Oct01 Oct11	Oct04 Oct17 Oct28	Oct14 Nov02 Nov13	169 193 223	148 170 200	128 148 176	34 27 19
WOODSTOCK 2 NE	36 32 28	Apr27 Apr13 Mar28	May08 Apr28 Apr11	May19 May13 Apr25	Sep16 Sep26 Oct09	Oct01 Oct12 Oct24	Oct16 Oct28 Nov08	165 190 216	145 166 195	126 143 174	40 32 23
WYTHEVILLE 1 S	36 32 28	May03 Apr23 Apr06	May21 May09 Apr26	Jun08 May24 May15	Sep11 Sep17 Oct02	Sep25 Oct02 Oct15	Oct08 Oct17 Oct28	148 170 196	127 146 172	105 122 147	44 36 27

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 (Aug 1 - Jul 31).

(percent of days with temperatures at or below the threshold temperature)

## 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				Spring			Fall			Freeze Free			Probability Level (4)
				(Date)			(Date)			Period (Days)			
				Probability Level (1)			Probability Level (2)			Probability Level (3)			
Thresh hold (F)	90	50	10	10	50	90	10	50	90				
Vermont													
BALL MOUNTAIN LAKE	36 32 28	May15 May05 Apr23	Jun05 May23 May05	Jun26 Jun11 May18	Aug19 Sep02 Sep18	Sep06 Sep17 Oct01	Sep25 Oct01 Oct13	127 140 166	93 116 148	59 92 130	59 52 43		
BURLINGTON INTL AP	36 32 28	May03 Apr26 Apr16	May18 May08 Apr25	Jun02 May20 May04	Sep12 Sep23 Sep30	Sep25 Oct03 Oct16	Oct08 Oct13 Nov01	147 164 192	129 147 174	111 131 155	49 41 33		
CAVENDISH	36 32 28	May24 May11 Apr25	Jun06 May27 May07	Jun19 Jun12 May19	Aug23 Sep07 Sep22	Sep07 Sep19 Oct03	Sep22 Oct01 Oct14	113 136 165	93 114 148	73 93 132	57 50 41		
CHELSEA	36 32 28	May29 May16 May02	Jun17 Jun02 May15	Jul06 Jun18 May28	Aug15 Aug29 Sep20	Sep02 Sep12 Sep30	Sep20 Sep26 Oct10	107 125 152	76 102 137	46 79 122	62 54 45		
CORNWALL	36 32 28	May07 Apr22 Apr09	May26 May09 Apr25	Jun13 May26 May11	Sep05 Sep14 Sep25	Sep20 Sep30 Oct10	Oct05 Oct17 Oct25	141 169 190	117 144 167	92 119 144	50 43 35		
ENOSBURG FALLS	36 32 28	May21 May07 Apr28	Jun07 May21 May10	Jun24 Jun04 May22	Aug27 Sep12 Sep24	Sep09 Sep22 Oct05	Sep22 Oct03 Oct15	116 142 162	94 124 147	71 106 132	53 46 37		
ESSEX JUNCTION 1 N	36 32 28	May14 May03 Apr22	May31 May18 May05	Jun17 Jun02 May18	Sep01 Sep11 Sep23	Sep13 Sep25 Oct07	Sep26 Oct10 Oct21	128 149 172	105 130 154	81 111 136	54 47 38		
MONTPELIER AP	36 32 28	May08 Apr26 Apr14	May28 May11 Apr29	Jun17 May26 May14	Aug30 Sep13 Sep27	Sep16 Oct01 Oct14	Oct02 Oct20 Oct31	139 169 192	110 143 167	81 116 142	54 46 38		
MORRISVILLE 4 SSW	36 32 28	May18 May04 Apr24	Jun06 May20 May09	Jun24 Jun05 May24	Aug24 Sep09 Sep20	Sep06 Sep23 Oct02	Sep19 Oct06 Oct14	115 143 167	91 125 145	68 106 123	58 50 42		
MOUNT MANSFIELD	36 32 28	Jun02 May20 May06	Jun23 Jun09 May24	Jul14 Jun28 Jun11	Aug19 Aug29 Sep13	Sep04 Sep12 Sep27	Sep20 Sep27 Oct11	100 121 153	72 95 125	44 69 97	61 56 50		
NEWPORT	36 32 28	May14 May05 Apr21	May30 May16 May04	Jun15 May28 May17	Sep02 Sep16 Sep27	Sep14 Sep28 Oct07	Sep26 Oct11 Oct17	127 148 171	106 134 155	86 120 140	54 47 38		
ROCHESTER	36 32 28	May23 May08 Apr25	Jun06 May21 May06	Jun20 Jun03 May16	Aug29 Sep17 Sep21	Sep12 Sep27 Oct06	Sep26 Oct07 Oct21	119 144 167	97 129 152	76 113 137	58 50 41		
RUTLAND	36 32 28	May10 May01 Apr19	May26 May13 May02	Jun11 May26 May15	Sep02 Sep14 Sep26	Sep15 Sep28 Oct10	Sep29 Oct12 Oct23	132 153 180	112 137 160	92 121 140	51 43 34		
SAINT JOHNSBURY	36 32 28	May19 May08 Apr27	Jun02 May19 May06	Jun17 May30 May14	Sep02 Sep17 Sep26	Sep14 Sep27 Oct07	Sep26 Oct08 Oct19	123 143 167	103 131 154	82 119 140	54 46 37		

SALISBURY 2 N	36 32 28	May13 Apr25 Apr13	May29 May12 Apr30	Jun13 May28 May16	Sep09 Sep16 Sep27	Sep20 Oct06 Oct22	Sep30 Oct25 Nov16	133 171 211	113 146 175	92 122 139	53 44 37
SOUTH HERO	36 32 28	Apr30 Apr18 Apr09	May13 Apr28 Apr17	May26 May09 Apr26	Sep22 Sep27 Oct14	Oct03 Oct12 Oct29	Oct13 Oct27 Nov13	158 183 212	142 166 194	126 149 175	46 39 32
WOODSTOCK	36 32 28	May25 May11 Apr26	Jun07 May28 May09	Jun21 Jun14 May22	Aug20 Sep07 Sep22	Sep08 Sep20 Oct03	Sep26 Oct04 Oct13	115 139 163	92 115 146	68 91 128	58 51 42

Notes:

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

Freeze / Frost Occurrence Data

All probabilities in whole percent. See notes for probability level description.  
- Indicates the probability of occurrence of threshold temperatureis less than indicated probability.

State And Station Name	Thresh old (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			Prob abil ity  Level value 1 (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
Washington											
ABERDEEN	36 32 28	Apr06 Mar09 Jan07	Apr27 Apr01 Feb10	May18 Apr25 Mar16	Oct07 Oct26 Nov08	Oct24 Nov18 Dec14	Nov10 Dec10 Jan20	210 265 357	180 230 304	149 195 256	22 11 3
ABERDEEN 20 NNE	36 32 28	May03 Apr09 Jan21	May25 Apr30 Mar04	Jun16 May21 Apr15	Sep18 Oct03 Oct29	Oct05 Oct21 Nov25	Oct23 Nov08 Dec22	161 208 324	133 173 263	104 139 208	35 22 6
ANACORTES	36 32 28	Mar28 Feb18 Jan14	Apr14 Mar14 Feb12	May01 Apr07 Mar12	Oct06 Oct23 Oct31	Oct25 Nov15 Dec02	Nov13 Dec08 Jan03	224 283 334	193 245 293	163 208 251	20 10 5
APPLETON	36 32 28	May31 May04 Apr07	Jun23 May27 May01	Jul15 Jun19 May26	Aug21 Sep09 Sep24	Sep08 Sep25 Oct12	Sep27 Oct11 Oct29	106 151 193	77 121 163	48 90 133	54 40 23
BARING	36 32 28	Apr29 Apr03 Feb13	May16 Apr24 Mar15	Jun03 May15 Apr14	Sep17 Oct04 Oct24	Oct06 Oct22 Nov16	Oct25 Nov08 Dec10	170 211 281	142 180 246	114 148 211	38 23 8
BATTLE GROUND	36 32 28	May04 Apr07 Feb19	May21 Apr24 Mar19	Jun07 May12 Apr16	Sep10 Sep27 Oct17	Sep29 Oct13 Nov08	Oct18 Oct29 Dec01	157 195 264	131 171 234	105 148 203	32 19 9
BICKLETON	36 32 28	May21 May05 Apr15	Jun18 May27 May04	Jul16 Jun17 May23	Sep08 Sep22 Oct06	Sep24 Oct10 Oct22	Oct10 Oct28 Nov07	130 162 195	97 135 170	64 108 145	52 39 25
BLAINE	36 32 28	Apr23 Apr03 Mar01	May09 Apr19 Mar22	May25 May04 Apr12	Sep21 Oct04 Oct15	Oct04 Oct18 Nov07	Oct16 Nov02 Nov29	167 208 260	147 182 229	127 156 198	29 18 10
BOUNDARY DAM	36 32 28	May10 Apr23 Apr04	May30 May08 Apr18	Jun18 May24 May02	Sep04 Sep09 Sep22	Sep18 Sep28 Oct12	Oct02 Oct18 Oct31	139 170 201	111 142 176	82 114 151	56 46 31
BREMERTON	36 32 28	Apr09 Mar16 Jan21	Apr25 Apr04 Feb17	May11 Apr23 Mar17	Oct06 Oct29 Nov11	Oct25 Nov16 Dec06	Nov12 Dec03 Dec31	206 251 327	182 225 291	158 199 255	24 12 4
BUCKLEY 1 NE	36 32 28	Apr17 Mar30 Feb13	May11 Apr19 Mar14	Jun03 May09 Apr12	Sep18 Oct05 Oct20	Oct04 Oct20 Nov17	Oct20 Nov03 Dec14	178 207 288	146 183 247	114 158 205	29 16 7
CEDAR LAKE	36 32 28	May07 Apr09 Feb24	May23 Apr28 Mar23	Jun07 May17 Apr20	Sep23 Oct07 Oct22	Oct07 Oct24 Nov14	Oct21 Nov10 Dec08	160 205 277	136 178 235	113 151 193	41 25 10
CENTRALIA	36 32 28	Apr21 Mar28 Jan27	May09 Apr18 Mar05	May26 May08 Apr12	Sep27 Oct05 Oct24	Oct12 Oct30 Nov22	Oct26 Nov24 Dec21	181 232 313	155 195 258	130 158 209	24 13 6
CHELAN	36 32 28	Apr11 Mar27 Feb28	May01 Apr10 Mar18	May21 Apr25 Apr04	Sep29 Oct07 Oct14	Oct12 Oct23 Nov07	Oct25 Nov08 Nov30	192 221 264	163 195 233	135 170 203	42 31 20



CHEWELAH	36 32 28	May18 Apr28 Apr11	Jun14 May16 Apr29	Jul10 Jun03 May17	Aug23 Sep03 Sep14	Sep06 Sep17 Sep29	Sep20 Oct02 Oct15	116 150 180	84 123 152	51 96 125	58 47 32
CHIEF JOSEPH DAM	36 32 28	Apr18 Apr05 Mar14	May10 Apr23 Apr04	Jun01 May10 Apr26	Sep11 Sep25 Oct10	Sep27 Oct11 Oct27	Oct13 Oct26 Nov14	171 196 234	139 170 205	107 144 177	45 34 23
CLEARBROOK	36 32 28	Apr25 Mar31 Feb09	May15 Apr20 Mar13	Jun04 May10 Apr14	Sep12 Sep24 Oct12	Sep28 Oct14 Nov10	Oct14 Nov03 Dec10	162 206 288	135 176 242	109 146 196	30 18 9
CLEARWATER	36 32 28	May06 Apr08 Feb13	May28 May02 Mar15	Jun19 May26 Apr14	Sep02 Sep20 Oct20	Sep25 Oct12 Nov13	Oct18 Nov02 Dec06	149 199 288	119 162 242	89 126 196	31 19 7
CLE ELUM	36 32 28	May20 Apr30 Apr15	Jun09 May20 Apr30	Jun29 May09 May14	Aug25 Sep02 Sep15	Sep08 Sep17 Sep30	Sep22 Oct02 Oct15	116 145 176	90 119 152	64 94 129	55 43 28
CONCONULLY	36 32 28	May03 Apr13 Apr01	May25 May04 Apr16	Jun15 May24 May02	Sep12 Sep26 Oct07	Sep25 Oct10 Oct20	Oct08 Oct23 Nov03	146 185 210	122 158 186	99 132 163	53 44 33
CONCRETE PPL FISH STN	36 32 28	Apr10 Mar17 Jan18	Apr28 Apr08 Feb17	May16 Apr29 Mar20	Oct03 Oct14 Nov03	Oct18 Nov09 Dec01	Nov02 Dec06 Dec28	194 254 327	172 215 283	151 177 243	31 16 6
CONNELL 1 W	36 32 28	May04 Apr17 Mar23	May18 May03 Apr13	Jun01 May19 May04	Sep14 Sep19 Oct07	Sep26 Oct04 Oct18	Oct08 Oct19 Oct30	151 178 212	131 153 188	110 128 164	43 32 19
COUGAR 6 E	36 32 28	Apr10 Mar07 Jan06	May09 Apr07 Feb17	Jun07 May08 Mar28	Oct03 Oct24 Nov10	Oct28 Nov17 Dec11	Nov21 Dec11 Jan14	216 264 >365	171 224 298	126 183 249	27 12 4
COULEE DAM 1 SW	36 32 28	Apr24 Apr04 Mar12	May08 Apr22 Apr01	May22 May10 Apr22	Sep20 Oct04 Oct20	Oct06 Oct17 Nov04	Oct21 Oct31 Nov19	175 203 242	150 177 216	126 152 189	43 32 21
COUPEVILLE 1 S	36 32 28	Apr14 Mar13 Feb04	May03 Apr03 Mar04	May22 Apr24 Mar31	Sep25 Oct10 Oct30	Oct11 Oct30 Nov27	Oct26 Nov20 Dec26	187 246 312	160 210 268	133 173 223	23 12 5
DALLESPORT AP	36 32 28	Apr16 Mar26 Feb25	May01 Apr14 Mar21	May16 May02 Apr15	Sep23 Oct03 Oct17	Oct08 Oct20 Nov06	Oct23 Nov06 Nov27	182 218 267	160 189 229	137 160 192	32 20 10
DARRINGTON RANGER STN	36 32 28	May03 Apr06 Feb25	May21 Apr25 Mar24	Jun08 May15 Apr21	Sep12 Sep30 Oct12	Sep29 Oct14 Nov07	Oct16 Oct27 Dec03	153 194 266	130 171 227	108 147 187	43 27 13
DAVENPORT	36 32 28	Jun09 May13 Apr19	Jun27 Jun01 May07	Jul15 Jun21 May24	Aug15 Sep03 Sep13	Sep02 Sep20 Sep30	Sep19 Oct08 Oct18	90 135 176	66 110 146	42 86 116	58 47 33
DAYTON 1 WSW	36 32 28	Apr30 Apr06 Mar17	May18 Apr27 Apr06	Jun04 May19 Apr26	Sep15 Sep25 Oct05	Sep29 Oct10 Oct24	Oct13 Oct24 Nov13	156 193 230	134 165 201	111 136 171	40 28 17
DIABLO DAM	36 32 28	Apr20 Apr02 Feb07	May08 Apr19 Mar07	May26 May06 Apr04	Sep29 Oct14 Oct28	Oct14 Oct30 Nov21	Oct29 Nov15 Dec16	185 221 298	158 193 259	131 166 220	41 24 10
ELLENSBURG	36 32 28	May08 Apr24 Apr04	May28 May10 Apr21	Jun17 May27 May07	Sep04 Sep15 Sep23	Sep16 Sep26 Oct08	Sep28 Oct08 Oct24	135 160 194	110 138 170	85 117 145	55 44 31
ELMA	36 32 28	May09 Apr17 Mar18	May28 May06 Apr10	Jun15 May26 May04	Sep12 Sep24 Oct11	Sep29 Oct12 Nov05	Oct16 Oct30 Dec01	148 186 248	124 158 208	99 130 168	30 18 8
ELWHA R S	36 32 28	Apr23 Mar24 Jan23	May11 Apr17 Feb25	May28 May12 Mar29	Sep25 Oct13 Oct30	Oct14 Nov03 Dec01	Nov02 Nov23 Jan02	185 235 329	156 199 278	126 163 228	36 19 6

EPHRATA AP	36 32 28	Apr/20 Apr/05 Mar/20	May/09 Apr/21 Apr/04	May/28 May/08 Apr/19	Sep/23 Oct/04 Oct/08	Oct/05 Oct/18 Oct/28	Oct/16 Nov/01 Nov/16	174 203 231	148 179 206	122 155 181	42 32 21
EVERETT	36 32 28	Apr/02 Mar/19 Feb/05	Apr/23 Apr/06 Feb/27	May/14 Apr/25 Mar/21	Sep/26 Oct/07 Oct/24	Oct/13 Oct/26 Nov/22	Oct/30 Nov/14 Dec/20	204 232 302	172 202 267	141 171 232	25 14 7
FORKS 1 E	36 32 28	Apr/30 Apr/08 Feb/15	May/19 Apr/28 Mar/16	Jun/06 May/19 Apr/14	Sep/07 Oct/06 Oct/18	Sep/29 Oct/23 Nov/19	Oct/21 Nov/10 Dec/21	161 208 293	132 177 247	103 146 201	30 17 6
GLENOMA	36 32 28	May/06 Apr/15 Mar/19	May/25 May/05 Apr/10	Jun/13 May/24 May/01	Sep/01 Sep/22 Oct/06	Sep/24 Oct/08 Oct/29	Oct/17 Oct/25 Nov/22	151 182 236	121 156 202	90 129 168	38 23 10
GRAYLAND	36 32 28	Apr/20 Mar/15 Jan/27	May/15 Apr/14 Feb/25	Jun/09 May/15 Mar/26	Sep/17 Oct/10 Nov/07	Oct/09 Nov/01 Dec/04	Oct/31 Nov/23 Jan/01	185 241 321	146 200 282	107 159 243	22 12 4
GRAYS RIVER HATCHERY	36 32 28	May/12 Apr/14 Feb/19	Jun/03 May/06 Mar/21	Jun/25 May/29 Apr/21	Sep/05 Sep/27 Oct/19	Sep/26 Oct/14 Nov/16	Oct/18 Oct/31 Dec/14	149 190 278	114 160 239	80 130 200	34 21 8
HARRINGTON 1 NW	36 32 28	Jun/15 May/26 Apr/22	Jul/06 Jun/17 May/17	Jul/26 Jul/09 Jun/11	Aug/12 Aug/21 Sep/08	Aug/29 Sep/12 Sep/25	Sep/14 Oct/04 Oct/13	75 117 162	53 86 130	32 55 99	58 45 30
HARTLINE	36 32 28	May/16 Apr/15 Apr/02	Jun/05 May/09 Apr/26	Jun/25 Jun/02 May/20	Sep/08 Sep/21 Oct/03	Sep/24 Oct/07 Oct/22	Oct/10 Oct/23 Nov/09	137 180 210	110 150 178	84 121 145	50 39 26
HATTON 9 SE	36 32 28	Apr/30 Apr/06 Mar/17	May/26 May/05 Apr/11	Jun/21 Jun/02 May/06	Sep/06 Sep/23 Sep/27	Sep/24 Oct/07 Oct/17	Oct/12 Oct/22 Nov/06	158 192 228	120 155 189	82 117 149	43 31 18
HOLDEN VILLAGE	36 32 28	Jun/20 May/26 May/02	Jul/12 Jun/17 May/22	Aug/03 Jul/09 Jun/11	Aug/06 Aug/21 Sep/08	Aug/20 Sep/06 Sep/26	Sep/03 Sep/23 Oct/14	67 108 153	39 81 126	10 54 100	69 59 44
HOQUIAM AP	36 32 28	Mar/31 Mar/02 Dec/28	Apr/24 Mar/29 Feb/02	May/18 Apr/25 Mar/07	Oct/05 Oct/25 Nov/16	Oct/28 Nov/20 Dec/20	Nov/19 Dec/16 Jan/27	224 279 >365	186 235 319	148 191 272	17 8 2
ICE HARBOR DAM	36 32 28	Apr/13 Mar/21 Feb/25	Apr/27 Apr/06 Mar/20	May/11 Apr/22 Apr/11	Sep/23 Sep/29 Oct/10	Oct/08 Oct/16 Nov/03	Oct/22 Nov/02 Nov/27	184 215 263	163 192 228	142 170 193	35 23 14
KENNEWICK	36 32 28	Apr/01 Mar/18 Feb/25	Apr/23 Apr/08 Mar/19	May/15 Apr/29 Apr/09	Sep/28 Oct/05 Oct/14	Oct/13 Oct/21 Nov/10	Oct/27 Nov/06 Dec/06	204 226 275	172 195 235	139 165 195	34 23 14
KENT	36 32 28	Apr/11 Mar/14 Feb/03	May/04 Apr/10 Mar/10	May/28 May/06 Apr/13	Sep/11 Oct/02 Oct/17	Oct/06 Oct/25 Nov/15	Oct/31 Nov/17 Dec/13	197 242 299	154 198 249	111 154 199	25 14 7
LACROSSE	36 32 28	May/16 Apr/30 Apr/09	Jun/13 May/24 May/02	Jul/12 Jun/16 May/25	Aug/23 Sep/04 Sep/14	Sep/08 Sep/21 Oct/02	Sep/25 Oct/09 Oct/19	123 152 183	86 120 152	50 89 121	48 36 23
LANDSBURG	36 32 28	Apr/24 Mar/28 Feb/11	May/18 Apr/22 Mar/23	Jun/11 May/16 May/03	Sep/12 Oct/01 Oct/22	Oct/02 Oct/18 Nov/13	Oct/22 Nov/04 Dec/04	173 217 282	136 179 233	99 141 185	35 20 9
LEAVENWORTH 3 S	36 32 28	May/12 Apr/26 Apr/07	Jun/02 May/12 Apr/21	Jun/23 May/28 May/06	Sep/06 Sep/15 Sep/26	Sep/19 Sep/29 Oct/12	Oct/01 Oct/12 Oct/28	135 160 197	108 139 173	81 118 149	56 46 31
LIND 3 NE	36 32 28	May/15 Apr/26 Apr/10	Jun/05 May/20 Apr/29	Jun/26 Jun/12 May/8	Aug/28 Sep/10 Sep/27	Sep/15 Sep/26 Oct/11	Oct/03 Oct/11 Oct/25	131 159 192	102 128 164	72 98 137	49 37 23
LONG BEACH EXP STN	36 32 28	Apr/21 Mar/20 Jan/31	May/12 Apr/11 Feb/25	Jun/02 May/03 Mar/22	Sep/14 Oct/03 Oct/28	Oct/07 Oct/28 Nov/24	Oct/30 Nov/23 Dec/21	185 237 306	147 199 272	109 161 238	23 12 5

LONGVIEW	36	Apr'17	May'07	May'27	Sep'30	Oct'17	Nov'04	189	163	137	26
	32	Mar'25	Apr'17	May'09	Oct'23	Nov'10	Nov'29	241	207	172	13
	28	Jan'20	Feb'21	Mar'24	Nov'03	Nov'30	Dec'26	326	281	237	5
MAZAMA	36	May'14	Jun'09	Jul'04	Aug'23	Sep'08	Sep'23	122	90	59	59
	32	May'02	May'28	Jun'22	Sep'03	Sep'19	Oct'05	147	114	81	52
	28	Apr'11	May'09	Jun'05	Sep'17	Oct'01	Oct'14	182	144	106	39
MC MILLIN RESERVOIR	36	Apr'28	May'15	Jun'01	Sep'22	Oct'06	Oct'19	162	143	123	32
	32	Mar'30	Apr'21	May'13	Oct'02	Oct'09	Nov'05	212	180	148	20
	28	Feb'24	Mar'22	Apr'18	Oct'19	Nov'12	Dec'07	276	234	193	9
MCMARY DAM	36	Mar'30	Apr'20	May'11	Oct'05	Oct'18	Oct'31	206	180	153	32
	32	Mar'11	Mar'28	Apr'15	Oct'16	Nov'04	Nov'22	247	220	192	20
	28	Feb'05	Mar'02	Mar'28	Oct'27	Nov'22	Dec'17	303	264	224	10
METHOW 2 S	36	May'10	May'31	Jun'21	Sep'02	Sep'19	Oct'06	135	110	85	55
	32	Apr'26	May'11	May'25	Sep'21	Oct'02	Oct'13	161	143	125	45
	28	Apr'03	Apr'23	May'12	Sep'30	Oct'13	Oct'27	196	173	150	33
MONROE	36	Apr'21	May'07	May'24	Sep'19	Oct'07	Oct'24	178	151	124	26
	32	Mar'29	Apr'14	Apr'30	Oct'07	Oct'26	Nov'15	220	195	169	15
	28	Feb'18	Mar'13	Apr'06	Oct'20	Nov'19	Dec'18	293	249	206	7
MOUNT ADAMS RANGER STN	36	Jun'02	Jun'25	Jul'19	Aug'16	Sep'04	Sep'24	104	70	37	56
	32	May'09	Jun'04	Jun'30	Aug'30	Sep'16	Oct'04	138	104	70	42
	28	Apr'13	May'08	Jun'02	Sep'10	Oct'02	Oct'24	177	146	115	26
MOUNT VERNON 3 WNW	36	Apr'20	May'05	May'19	Sep'13	Oct'01	Oct'19	174	149	123	25
	32	Mar'24	Apr'09	Apr'25	Oct'04	Oct'22	Nov'08	222	195	168	15
	28	Feb'01	Mar'01	Mar'29	Oct'20	Nov'17	Dec'14	292	260	228	6
MOXEE CITY 10 E	36	May'12	Jun'01	Jun'21	Sep'12	Sep'25	Oct'08	137	116	94	49
	32	Apr'30	May'15	May'30	Sep'22	Oct'06	Oct'21	165	144	123	38
	28	Mar'31	Apr'20	May'11	Oct'03	Oct'19	Nov'04	209	181	152	25
MUD MOUNTAIN DAM	36	Apr'28	May'18	Jun'07	Sep'24	Oct'09	Oct'23	171	143	114	36
	32	Apr'04	Apr'24	May'13	Oct'06	Oct'22	Nov'06	210	180	150	21
	28	Feb'21	Mar'21	Apr'18	Oct'24	Nov'17	Dec'12	280	241	201	9
NEUHALEM	36	Apr'14	May'01	May'18	Oct'06	Oct'22	Nov'07	199	173	147	34
	32	Mar'12	Apr'07	May'04	Oct'20	Nov'09	Nov'29	247	215	182	18
	28	Jan'23	Feb'21	Mar'22	Nov'01	Dec'04	Jan'05	326	285	244	6
NEWPORT	36	May'24	Jun'21	Jul'20	Aug'15	Sep'03	Sep'21	109	73	36	59
	32	Apr'27	May'27	Jun'26	Aug'31	Sep'15	Oct'01	149	110	71	48
	28	Apr'17	May'05	May'23	Sep'09	Sep'29	Oct'19	179	146	114	33
NORTHPORT	36	May'09	May'30	Jun'20	Sep'04	Sep'19	Oct'05	143	112	80	53
	32	Apr'16	May'12	Jun'08	Sep'16	Sep'30	Oct'15	173	140	107	41
	28	Mar'27	Apr'19	May'12	Sep'26	Oct'12	Oct'29	208	176	143	26
ODESSA	36	May'17	Jun'12	Jul'08	Aug'19	Sep'07	Sep'26	122	86	50	55
	32	Apr'25	May'19	Jun'12	Sep'08	Sep'23	Oct'07	157	126	95	44
	28	Apr'13	May'03	May'23	Sep'21	Oct'04	Oct'18	180	153	127	32
OLGA 2 SE	36	Mar'30	Apr'20	May'10	Oct'15	Nov'02	Nov'19	226	195	164	20
	32	Feb'11	Mar'14	Apr'10	Oct'27	Nov'19	Dec'12	291	249	207	9
	28	Dec'29	Feb'04	Mar'04	Nov'13	Dec'11	Jan'17	>365	309	269	3
OLYMPIA AP	36	May'07	May'27	Jun'15	Sep'05	Sep'23	Oct'10	148	118	89	36
	32	Apr'17	May'05	May'23	Sep'19	Oct'06	Oct'24	180	154	128	23
	28	Mar'26	Apr'15	May'05	Oct'08	Oct'27	Nov'15	226	194	162	12
OMAK 4 N	36	Apr'29	May'24	Jun'17	Sep'05	Sep'19	Oct'03	149	118	86	52
	32	Apr'20	May'10	May'30	Sep'14	Sep'27	Oct'11	169	140	111	44
	28	Apr'02	Apr'20	May'08	Sep'27	Oct'08	Oct'19	195	170	145	33
PACKWOOD	36	May'05	May'31	Jun'27	Aug'29	Sep'15	Oct'03	142	106	71	44
	32	Apr'22	May'15	Jun'07	Sep'08	Sep'27	Oct'17	169	134	100	27
	28	Mar'25	Apr'18	May'12	Sep'25	Oct'16	Nov'06	219	181	143	14
PALMER 3 ESE	36	Apr'23	May'11	May'28	Sep'29	Oct'14	Oct'30	178	156	134	33
	32	Mar'21	Apr'11	May'02	Oct'11	Nov'03	Nov'27	236	206	175	17
	28	Jan'13	Feb'14	Mar'18	Oct'30	Nov'27	Dec'26	329	283	242	6

PLAIN	36 32 28	Jun05 May10 Apr24	Jun23 May29 May10	Jul11 Jun18 May26	Aug22 Sep01 Sep16	Sep03 Sep15 Sep28	Sep15 Sep29 Oct09	92 133 161	71 108 140	50 82 119	61 51 33
POMEROY	36 32 28	May09 Apr15 Mar24	May27 May06 Apr15	Jun13 May27 May07	Sep04 Sep16 Oct03	Sep21 Oct03 Oct18	Oct08 Oct19 Nov01	140 179 214	116 149 185	92 119 156	42 30 19
PORT ANGELES	36 32 28	Apr01 Feb21 Jan03	Apr27 Mar30 Feb19	May23 May06 Apr03	Oct02 Oct18 Nov08	Oct24 Nov11 Dec06	Nov15 Dec05 Jan05	219 275 >365	179 225 288	138 174 235	24 11 4
PORT TOWNSEND	36 32 28	Mar12 Jan24 -	Apr07 Feb25 Jan29	May03 Mar28 Mar02	Oct21 Oct31 Nov16	Nov10 Nov28 Dec20	Nov30 Dec25 -	246 317 >365	216 275 325	186 234 275	14 5 3
PRIEST RAPIDS DAM	36 32 28	Apr04 Mar18 Feb19	Apr23 Apr08 Mar13	May12 Apr29 Apr05	Sep27 Oct02 Oct04	Oct10 Oct20 Oct29	Oct23 Nov08 Nov24	192 227 267	169 195 229	146 163 192	35 25 15
PROSSER	36 32 28	May05 Apr10 Mar08	May19 Apr28 Apr04	Jun02 May16 May01	Sep11 Sep23 Oct06	Sep26 Oct09 Oct25	Oct11 Oct25 Nov13	149 191 236	129 163 203	109 136 171	44 33 20
PULLMAN 2 NW	36 32 28	May17 Apr22 Mar26	Jun10 May12 Apr19	Jul04 May31 May13	Aug24 Sep09 Sep20	Sep10 Sep27 Oct08	Sep26 Oct14 Oct26	121 167 203	91 137 171	60 107 140	49 36 21
QUILCENE 2 SW	36 32 28	Apr25 Apr04 Feb12	May17 Apr20 Mar14	Jun08 May06 Apr12	Sep15 Oct03 Oct22	Oct01 Oct17 Nov15	Oct17 Oct31 Dec09	164 203 291	136 179 246	109 156 201	37 23 8
QUILLAYUTE AP	36 32 28	May06 Apr03 Feb22	May26 Apr26 Mar26	Jun16 May19 Apr27	Sep05 Sep28 Oct15	Sep25 Oct16 Nov14	Oct14 Nov03 Dec13	155 208 274	121 173 232	86 138 189	31 17 7
QUINCY 1 S	36 32 28	Apr27 Apr08 Mar22	May13 Apr26 Apr10	May28 May14 Apr29	Sep16 Sep23 Oct04	Sep29 Oct08 Oct21	Oct12 Oct24 Nov06	162 192 224	139 164 193	115 136 161	47 37 25
RAINIER PARADISE RINGER S	36 32 28	Jul08 Jun24 May24	Jul21 Jul10 Jun17	Aug03 Jul25 Jul11	Jul30 Aug06 Aug31	Aug13 Aug27 Sep21	Aug28 Sep16 Oct11	42 74 130	22 47 95	2 20 61	73 62 47
REPUBLIC	36 32 28	Jun07 May10 Apr25	Jun23 Jun02 May11	Jul10 Jun25 May27	Aug13 Aug29 Sep14	Aug27 Sep13 Sep26	Sep10 Sep29 Oct08	85 131 160	64 103 138	44 74 115	62 52 39
RICHLAND	36 32 28	Apr10 Mar23 Feb26	Apr23 Apr07 Mar20	May06 Apr21 Apr11	Sep24 Oct02 Oct18	Oct06 Oct17 Nov04	Oct18 Nov02 Nov20	185 216 254	165 193 228	146 170 202	35 24 15
RITZVILLE 1 SSE	36 32 28	May16 Apr23 Apr06	Jun07 May14 Apr26	Jun29 Jun03 May16	Sep02 Sep15 Sep29	Sep20 Oct01 Oct15	Oct07 Oct17 Oct31	135 167 197	104 140 171	74 113 146	54 42 27
ROSALIA	36 32 28	May10 Apr19 Mar31	Jun08 May15 Apr26	Jul06 Jun11 May21	Aug23 Sep09 Sep16	Sep09 Sep24 Oct04	Sep26 Oct09 Oct23	126 168 191	93 131 161	59 95 131	53 40 25
ROSS DAM	36 32 28	Apr18 Mar29 Feb02	May06 Apr15 Mar01	May23 May01 Mar28	Oct05 Oct20 Nov03	Oct20 Nov06 Nov26	Nov05 Nov23 Dec18	191 229 306	167 204 269	143 180 232	39 22 9
SAINT JOHN	36 32 28	May20 Apr26 Mar29	Jun18 May27 May02	Jul17 Jun27 Jun06	Aug18 Sep01 Sep08	Sep04 Sep18 Sep28	Sep21 Oct05 Oct18	116 154 190	77 114 148	39 73 106	52 39 25
SATUS PASS 2 SSW	36 32 28	Jun22 May28 Apr28	Jul11 Jun24 May31	Jul30 Jul21 Jun03	Jul30 Aug14 Aug31	Aug25 Sep09 Sep24	Sep21 Oct06 Oct18	83 124 162	45 76 116	6 29 69	63 50 33
SEATTLE TACOMA AP	36 32 28	Mar27 Feb13 Jan01	Apr11 Mar10 Feb06	Apr27 Apr04 Mar11	Oct15 Oct28 Nov16	Oct30 Nov17 Dec09	Nov15 Dec07 Jan02	224 280 348	201 251 305	179 222 271	18 8 3

SEDRO WOOLLEY	36 32 28	Apr02 Mar06 Feb01	Apr25 Mar29 Feb25	May18 Apr22 Mar20	Sep30 Oct11 Nov01	Oct16 Oct30 Nov25	Nov01 Nov19 Dec20	206 248 310	173 214 273	140 181 235	25 14 6
SKAMANIA FISH HATCHERY	36 32 28	May18 Apr29 Mar14	Jun15 May22 Apr15	Jul12 Jun15 May17	Aug16 Sep10 Sep28	Sep08 Oct02 Oct27	Sep30 Oct24 Nov24	126 169 240	84 132 194	42 95 148	43 27 13
SMYRNA	36 32 28	Apr24 Apr10 Mar23	May08 Apr25 Apr09	May22 May09 Apr25	Sep17 Sep25 Oct04	Sep27 Oct07 Oct17	Oct07 Oct19 Oct30	158 186 211	141 164 191	124 143 171	44 34 23
SNOQUALMIE FALLS	36 32 28	Apr25 Mar28 Feb10	May11 Apr19 Mar13	May28 May11 Apr12	Sep19 Oct03 Oct21	Oct07 Oct21 Nov16	Oct24 Nov08 Dec11	177 217 285	148 185 247	118 152 209	30 17 8
SPOKANE AP	36 32 28	May07 Apr17 Mar31	May23 May02 Apr18	Jun09 May18 May06	Sep13 Sep19 Sep28	Sep24 Oct03 Oct15	Oct05 Oct17 Nov01	143 176 206	123 153 179	103 130 152	49 38 25
STAMPEDE PASS	36 32 28	Jun08 May15 Apr10	Jun29 Jun13 May20	Jul20 Jul12 Jun29	Aug29 Sep17 Oct09	Sep18 Oct05 Oct26	Oct09 Oct22 Nov13	106 139 204	80 113 159	54 86 114	61 51 35
STARTUP 1 E	36 32 28	Apr27 Apr02 Feb12	May15 Apr24 Mar14	Jun02 May17 Apr12	Sep16 Oct01 Oct21	Oct05 Oct19 Nov15	Oct23 Nov06 Dec10	169 211 287	142 177 246	115 143 204	28 17 7
STEHKIN 4 NW	36 32 28	Apr29 Apr07 Mar21	May14 Apr27 Apr06	May28 May16 Apr22	Sep20 Sep27 Oct14	Oct02 Oct12 Oct29	Oct14 Oct27 Nov13	159 196 228	141 167 205	123 139 182	49 38 21
SUNNYSIDE	36 32 28	Apr25 Apr05 Mar03	May11 Apr22 Mar28	May27 May09 Apr23	Sep22 Sep29 Oct14	Oct01 Oct12 Oct26	Oct11 Oct26 Nov08	163 196 242	142 172 211	122 149 180	43 32 19
TOLEDO	36 32 28	Apr27 Apr13 Mar08	May28 May04 Apr04	Jun28 May26 May01	Aug30 Sep07 Sep23	Sep21 Oct07 Oct25	Oct13 Nov06 Nov26	153 195 244	115 155 204	77 115 163	30 18 8
UPPER BAKER DAM	36 32 28	Apr29 Apr07 Feb28	May14 Apr21 Mar23	May30 May06 Apr15	Sep27 Oct11 Oct23	Oct13 Oct29 Nov19	Oct28 Nov16 Dec17	174 217 276	150 190 240	126 163 205	42 27 11
VANCOUVER 4 NNE	36 32 28	Apr28 Mar30 Mar04	May17 Apr20 Mar30	Jun06 May10 Apr24	Sep09 Sep26 Oct17	Sep27 Oct15 Nov09	Oct15 Nov03 Dec01	159 204 257	132 177 223	105 151 189	31 19 10
WAPATO	36 32 28	Apr28 Apr06 Mar18	May11 Apr26 Apr06	May25 May15 Apr24	Sep16 Sep29 Oct12	Oct01 Oct12 Oct22	Oct16 Oct26 Nov01	162 195 220	142 169 199	121 143 177	44 44 22
WATERVILLE	36 32 28	May06 Apr21 Apr03	May30 May12 Apr24	Jun22 Jun01 May15	Sep05 Sep19 Sep29	Sep18 Oct02 Oct12	Oct01 Oct14 Oct26	139 170 199	110 143 171	82 115 142	54 44 33
WELLPINIT	36 32 28	May08 Apr18 Mar18	Jun02 May13 Apr19	Jun28 Jun07 May20	Aug31 Sep19 Sep25	Sep21 Oct05 Oct14	Oct12 Oct21 Nov01	148 177 220	110 144 177	72 111 135	52 42 29
WENATCHEE	36 32 28	Apr10 Mar28 Feb22	Apr27 Apr10 Mar12	May13 Apr24 Mar31	Sep27 Oct08 Oct18	Oct11 Oct24 Nov06	Oct24 Nov08 Nov26	192 221 269	166 196 238	141 170 207	40 29 17
WENATCHEE AP	36 32 28	Apr11 Mar29 Feb23	Apr28 Apr12 Mar18	May15 Apr25 Apr09	Sep26 Oct06 Oct22	Oct09 Oct19 Nov03	Oct22 Nov02 Nov16	187 211 255	163 190 230	139 169 204	42 32 20
WHITMAN MISSION	36 32 28	May04 Apr24 Mar27	May29 May10 Apr14	Jun23 May26 May01	Aug29 Sep11 Sep20	Sep13 Sep23 Oct06	Sep28 Oct06 Oct21	136 159 197	106 136 174	76 113 151	44 33 20
WILBUR	36 32 28	Jun09 May13 Apr19	Jun25 Jun07 May09	Jul12 Jun03 May28	Aug14 Sep01 Sep19	Sep03 Sep19 Oct06	Sep23 Oct07 Oct23	97 133 173	69 103 150	41 73 126	58 48 33

WINTHROP 1 WSW	36 32 28	May14 May02 Apr15	Jun09 May24 May03	Jul04 Jun14 May21		Aug22 Sep02 Sep17	Sep05 Sep17 Sep30	Sep19 Oct02 Oct14	116 139 174	87 116 150	59 92 126	60 51 39
YAKIMA MUNICIPAL AP	36 32 28	May18 Apr26 Apr06	Jun08 May14 Apr22	Jun29 Jun01 May09		Sep03 Sep21 Oct01	Sep17 Oct01 Oct15	Sep30 Oct12 Oct29	122 160 199	100 139 175	77 119 150	52 41 28

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 (Aug 1 - Jul 31).  
(percent of days with temperatures at or below the threshold temperature)

Freeze / Frost Occurrence Data

All probabilities in whole percent. See notes for probability level description.  
- Indicates the probability of occurrence of threshold temperatureis less than indicated probability.

State And Station Name	Thresh hold (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			Prob ab il ity (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
Wisconsin											
ALMA DAM 4	36 32 28	Apr18 Apr09 Mar28	May07 Apr23 Apr14	May26 May08 May01	Sep17 Sep22 Oct03	Sep29 Oct08 Oct19	Oct10 Oct24 Nov05	166 191 214	144 167 187	122 143 160	47 40 33
AMERY	36 32 28	May08 Apr24 Apr10	May26 May10 Apr25	Jun13 May26 May10	Aug31 Sep14 Sep22	Sep15 Sep27 Oct05	Sep30 Oct09 Oct19	136 159 186	112 139 163	88 119 139	54 48 41
ANTIGO	36 32 28	May23 May09 Apr22	Jun06 May24 May06	Jun20 Jun08 May20	Aug21 Sep07 Sep21	Sep07 Sep20 Oct01	Sep24 Oct03 Oct11	115 139 165	92 118 147	70 97 130	57 51 43
APPLETON	36 32 28	Apr28 Apr20 Apr08	May12 May04 Apr22	May26 May18 May06	Sep16 Sep22 Sep30	Sep28 Oct07 Oct20	Oct11 Oct22 Nov08	157 178 207	138 155 180	120 132 153	49 42 35
ARBORETUM UNIV WIS	36 32 28	May14 Apr27 Apr19	May31 May18 May03	Jun18 Jun08 May18	Aug31 Sep09 Sep23	Sep16 Sep25 Oct05	Oct01 Oct11 Oct17	131 160 175	107 130 154	82 100 133	53 47 38
ARLINGTON UNIV FARM	36 32 28	Apr30 Apr20 Apr08	May20 May05 Apr21	Jun08 May20 May05	Sep11 Sep20 Sep25	Sep24 Oct03 Oct15	Oct07 Oct16 Nov03	151 171 200	126 150 176	102 130 151	50 43 35
ASHLAND EXP FARM	36 32 28	May26 May15 Apr30	Jun09 Jun01 May16	Jun23 Jun17 Jun01	Aug28 Sep12 Sep19	Sep12 Sep23 Oct02	Sep27 Oct04 Oct15	115 133 159	95 114 138	74 94 117	58 51 43
BARABOO	36 32 28	May14 May02 Apr19	May31 May18 May06	Jun16 Jun03 May23	Sep02 Sep11 Sep19	Sep14 Sep22 Oct02	Sep27 Oct03 Oct15	124 145 171	106 126 149	88 108 127	54 48 41
BAYFIELD 6 N	36 32 28	May24 May06 Apr23	Jun07 May22 May06	Jun22 Jun07 May20	Sep09 Sep20 Sep28	Sep21 Oct03 Oct16	Oct03 Oct15 Nov02	124 152 180	105 133 162	87 114 143	56 48 40
BEAVER DAM	36 32 28	Apr28 Apr18 Apr04	May15 May03 Apr19	Jun01 May18 May04	Sep18 Sep25 Oct02	Sep27 Oct05 Oct18	Oct05 Oct16 Nov04	151 174 206	134 155 181	117 136 157	48 41 33
BELOIT	36 32 28	Apr22 Apr08 Mar31	May06 Apr23 Apr14	May20 May08 Apr29	Sep23 Sep24 Oct08	Oct03 Oct09 Oct24	Oct13 Oct23 Nov10	166 191 217	149 169 192	132 146 168	46 39 31
BLAIR	36 32 28	May13 May02 Apr17	May30 May18 May05	Jun17 Jun04 May23	Sep03 Sep11 Sep22	Sep15 Sep24 Oct03	Sep27 Oct07 Oct13	125 150 169	107 128 150	89 105 130	55 49 41
BLOOMER	36 32 28	May07 Apr27 Apr13	May23 May12 Apr27	Jun08 May27 May10	Aug31 Sep16 Sep25	Sep14 Sep28 Oct07	Sep29 Oct09 Oct19	139 156 181	114 138 162	89 120 143	53 47 39
BOWLER	36 32 28	May21 May09 Apr24	Jun05 May24 May08	Jun20 Jun07 May22	Aug25 Sep12 Sep20	Sep10 Sep23 Oct03	Sep26 Oct03 Oct16	119 138 168	96 121 148	73 104 128	58 51 43

BRODHEAD	36 32 28	May/01 Apr/21 Apr/06	May/19 May/07 Apr/22	Jun/06 May/23 May/08	Sep/12 Sep/18 Sep/23	Sep/24 Sep/30 Oct/09	Oct/07 Oct/12 Oct/26	151 164 194	128 145 169	104 126 144	51 45 37
BURLINGTON	36 32 28	Apr/30 Apr/19 Apr/11	May/18 May/07 Apr/25	Jun/04 May/25 May/10	Sep/18 Sep/25 Sep/28	Sep/29 Oct/06 Oct/15	Oct/11 Oct/16 Nov/02	154 171 194	134 151 172	114 131 151	49 42 34
CASHTON	36 32 28	Apr/27 Apr/16 Apr/03	May/13 May/02 Apr/20	May/28 May/19 May/07	Sep/15 Sep/19 Oct/04	Sep/26 Oct/06 Oct/20	Oct/07 Oct/22 Nov/04	156 179 207	136 156 182	115 132 158	49 43 36
CHARMANY FARM	36 32 28	Apr/23 Apr/14 Apr/04	May/10 May/02 Apr/20	May/27 May/20 May/05	Sep/13 Sep/21 Sep/29	Sep/27 Oct/06 Oct/17	Oct/10 Oct/22 Nov/03	163 184 207	139 157 179	114 130 151	49 43 36
CHILTON	36 32 28	May/08 May/25 Apr/10	May/23 May/09 Apr/25	Jun/06 Jun/23 May/10	Sep/16 Sep/22 Sep/28	Sep/27 Oct/05 Oct/18	Oct/07 Oct/17 Nov/08	143 167 204	126 148 176	110 129 148	50 43 35
CLINTONVILLE	36 32 28	May/09 Apr/25 Apr/14	May/24 May/09 Apr/28	Jun/08 May/22 May/12	Sep/06 Sep/17 Sep/23	Sep/19 Sep/29 Oct/09	Oct/02 Oct/11 Oct/26	137 162 187	117 143 164	98 124 141	54 48 39
COUDERAY 7 W	36 32 28	May/19 May/14 May/03	Jun/13 Jun/03 May/22	Jun/08 Jun/23 Jun/11	Aug/17 Aug/26 Sep/03	Sep/05 Sep/13 Sep/23	Sep/23 Oct/01 Oct/13	114 131 152	83 101 123	51 72 94	57 52 44
CRIVITZ HIGH FALLS	36 32 28	May/22 May/12 Apr/27	Jun/10 May/25 May/12	Jun/29 Jun/07 May/27	Aug/25 Sep/05 Sep/21	Sep/09 Sep/19 Oct/05	Sep/24 Oct/02 Oct/18	120 137 166	91 116 145	61 95 124	58 52 44
CUMBERLAND	36 32 28	May/03 Apr/24 Apr/10	May/17 May/06 Apr/22	May/31 May/19 May/04	Sep/11 Sep/19 Sep/29	Sep/22 Oct/01 Oct/16	Oct/04 Oct/13 Nov/01	146 165 198	128 147 176	109 128 153	53 47 40
DALTON	36 32 28	May/08 Apr/28 Apr/11	May/26 May/12 Apr/27	Jun/13 May/27 May/13	Sep/09 Sep/17 Sep/24	Sep/20 Sep/28 Oct/08	Sep/30 Oct/08 Oct/23	136 153 185	116 137 163	97 122 142	50 44 35
DANBURY	36 32 28	May/24 May/05 Apr/25	Jun/05 May/21 May/08	Jun/16 Jun/07 May/21	Aug/26 Sep/08 Sep/20	Sep/09 Sep/21 Sep/30	Sep/22 Oct/03 Oct/10	113 143 161	95 122 144	77 101 127	56 50 42
DARLINGTON	36 32 28	May/03 Apr/21 Apr/11	May/19 May/08 Apr/25	Jun/05 May/24 May/08	Sep/11 Sep/20 Sep/26	Sep/21 Oct/01 Oct/12	Oct/01 Oct/13 Oct/28	144 164 191	124 146 169	105 127 147	50 44 35
DODGEVILLE	36 32 28	May/02 Apr/22 Apr/08	May/20 May/07 Apr/23	Jun/07 May/21 May/07	Sep/15 Sep/22 Sep/25	Sep/25 Oct/02 Oct/11	Oct/05 Oct/13 Oct/27	148 166 193	127 148 171	106 130 149	51 44 36
DRUMMOND	36 32 28	May/20 May/13 Apr/28	Jun/10 May/29 May/15	Jul/02 Jun/15 Jun/01	Aug/19 Sep/03 Sep/20	Sep/09 Sep/20 Oct/02	Sep/30 Oct/07 Oct/15	127 141 164	90 113 140	53 85 115	58 51 43
EAGLE RIVER	36 32 28	May/26 May/16 May/04	Jun/10 May/29 May/18	Jun/24 Jun/11 May/31	Aug/25 Sep/10 Sep/21	Sep/07 Sep/21 Oct/02	Sep/20 Oct/02 Oct/13	108 130 155	89 114 137	69 97 118	61 54 47
EAU CLAIRE RGNL AP	36 32 28	May/07 Apr/22 Apr/12	May/23 May/07 Apr/26	Jun/08 May/21 May/11	Sep/12 Sep/17 Sep/25	Sep/23 Sep/29 Oct/06	Oct/04 Oct/10 Oct/17	140 163 179	122 144 162	104 125 145	52 46 39
ELLSWORTH 1 E	36 32 28	May/01 Apr/23 Apr/11	May/19 May/07 Apr/25	Jun/06 May/21 May/10	Sep/05 Sep/16 Sep/19	Sep/19 Sep/30 Oct/07	Oct/03 Oct/14 Oct/26	150 166 190	122 145 164	95 125 139	52 46 39
FAIRCHILD RANGER STA	36 32 28	May/08 Apr/26 Apr/08	May/25 May/12 Apr/24	Jun/11 May/28 May/09	Sep/07 Sep/18 Sep/22	Sep/18 Sep/29 Oct/08	Sep/30 Oct/10 Oct/23	135 157 190	116 139 167	97 122 143	53 46 39
FOND DU LAC	36 32 28	Apr/27 Apr/11 Apr/03	May/11 Apr/26 Apr/14	May/25 May/10 Apr/26	Sep/22 Sep/27 Oct/09	Oct/02 Oct/10 Oct/25	Oct/13 Oct/24 Nov/09	159 185 214	144 167 193	129 149 172	47 40 33



FORT ATKINSON	36 32 28	May/02 Apr/21 Apr/02	May/19 May/06 Apr/21	Jun/05 May/21 May/10	Sep/14 Sep/21 Sep/26	Sep/26 Oct/03 Oct/15	Oct/07 Oct/15 Nov/02	151 169 202	129 149 176	107 129 150	49 42 34
FOXBORO	36 32 28	Jun/01 May/18 May/07	Jun/17 Jun/07 May/25	Jul/03 Jun/27 Jun/11	Aug/13 Aug/30 Sep/15	Aug/30 Sep/13 Sep/25	Sep/16 Sep/27 Oct/05	99 121 143	73 97 123	48 72 103	61 54 46
GENOA DAM 8	36 32 28	Apr/21 Apr/08 Mar/30	May/06 Apr/23 Apr/13	May/20 May/08 Apr/26	Sep/20 Sep/23 Oct/07	Oct/02 Oct/08 Oct/23	Oct/14 Oct/23 Nov/08	167 189 214	149 167 193	131 145 171	46 39 32
GERMANTOWN	36 32 28	May/11 Apr/30 Apr/16	May/29 May/15 May/02	Jun/16 May/31 May/18	Aug/29 Sep/16 Sep/23	Sep/17 Sep/29 Oct/09	Oct/05 Oct/12 Oct/24	141 154 181	110 136 159	79 118 136	52 44 36
GOODMAN	36 32 28	May/25 May/16 Apr/25	Jun/15 May/30 May/15	Jul/06 Jun/14 Jun/03	Aug/22 Sep/09 Sep/20	Sep/07 Sep/20 Oct/02	Sep/24 Oct/02 Oct/14	115 130 162	84 112 139	52 94 117	59 53 45
GORDON	36 32 28	May/24 May/15 May/05	Jun/14 Jun/01 May/21	Jul/06 Jun/17 Jun/07	Aug/11 Aug/24 Sep/10	Aug/30 Sep/09 Sep/22	Sep/18 Sep/25 Oct/05	111 123 146	76 99 123	41 76 101	61 55 47
GRANTSBURG	36 32 28	May/11 Apr/26 Apr/13	May/28 May/09 Apr/27	Jun/15 May/21 May/11	Sep/06 Sep/16 Sep/24	Sep/18 Sep/27 Oct/06	Sep/29 Oct/07 Oct/18	135 156 179	111 140 161	88 124 144	55 49 42
GREEN BAY STRBL INTL AP	36 32 28	May/03 Apr/24 Apr/13	May/20 May/06 Apr/25	Jun/06 May/17 May/07	Sep/14 Sep/21 Sep/25	Sep/23 Oct/04 Oct/14	Oct/03 Oct/16 Nov/02	142 166 193	126 150 171	110 134 149	51 44 36
GURNEY	36 32 28	May/30 May/18 Apr/26	Jun/14 Jun/01 May/14	Jun/29 Jun/14 May/31	Aug/23 Sep/08 Sep/23	Sep/08 Sep/23 Oct/06	Sep/24 Oct/07 Oct/18	111 130 167	85 113 144	59 96 122	58 50 42
HANCOCK EXP FARM	36 32 28	May/09 Apr/29 Apr/17	May/26 May/13 May/01	Jun/11 May/27 May/15	Sep/08 Sep/16 Sep/23	Sep/20 Sep/28 Oct/06	Oct/01 Oct/09 Oct/20	134 154 177	116 137 158	98 120 138	51 45 38
HARTFORD 2 W	36 32 28	May/10 Apr/26 Apr/12	May/27 May/12 Apr/27	Jun/14 May/29 May/12	Sep/07 Sep/18 Sep/23	Sep/18 Sep/30 Oct/07	Sep/29 Oct/13 Oct/20	133 160 180	113 140 162	93 120 144	51 44 36
HILLSBORO	36 32 28	May/05 Apr/26 Apr/13	May/24 May/13 Apr/28	Jun/11 May/30 May/13	Sep/09 Sep/20 Sep/23	Sep/19 Sep/30 Oct/07	Sep/29 Oct/09 Oct/21	136 157 180	117 139 162	98 121 143	53 46 39
HOLCOMBE	36 32 28	May/08 Apr/26 Apr/11	May/25 May/14 Apr/25	Jun/10 Jun/01 May/09	Sep/07 Sep/16 Sep/24	Sep/19 Sep/28 Oct/09	Oct/01 Oct/10 Oct/24	138 161 186	117 137 166	95 113 147	53 47 39
HORICON	36 32 28	May/01 Apr/17 Apr/05	May/17 May/02 Apr/20	Jun/02 May/16 May/05	Sep/12 Sep/22 Sep/25	Sep/22 Oct/02 Oct/14	Oct/03 Oct/13 Nov/01	147 170 203	128 153 175	108 135 148	50 43 36
JUMP RIVER 3 E	36 32 28	May/27 May/19 Apr/29	Jun/18 Jun/06 May/21	Jul/09 Jun/23 Jun/12	Aug/07 Aug/19 Sep/05	Aug/29 Sep/09 Sep/23	Sep/20 Sep/29 Oct/12	111 125 155	72 94 125	33 63 94	58 51 44
KENOSHA	36 32 28	Apr/19 Apr/11 Mar/29	May/07 Apr/27 Apr/14	May/26 May/13 Apr/30	Sep/23 Sep/30 Oct/20	Oct/07 Oct/19 Nov/01	Oct/20 Nov/06 Nov/14	175 202 222	152 174 201	128 145 180	45 37 28
KEWAUNEE 3 NW	36 32 28	May/02 Apr/18 Apr/06	May/21 May/04 Apr/21	Jun/08 May/20 May/07	Sep/17 Sep/23 Oct/08	Sep/29 Oct/08 Oct/26	Oct/10 Oct/22 Nov/12	154 177 210	130 156 187	107 135 163	49 40 32
LA CROSSE MUNICIPAL AP	36 32 28	Apr/26 Apr/10 Apr/01	May/10 Apr/27 Apr/15	May/24 May/14 Apr/29	Sep/20 Sep/24 Oct/05	Sep/30 Oct/09 Oct/20	Oct/11 Oct/23 Nov/05	159 184 210	142 164 188	126 144 166	47 41 34
LAKE GENEVA	36 32 28	Apr/28 Apr/16 Apr/03	May/14 Apr/30 Apr/17	May/30 May/14 May/01	Sep/22 Sep/26 Oct/06	Oct/02 Oct/10 Oct/23	Oct/12 Oct/25 Nov/08	161 180 209	141 163 188	121 145 167	46 38 30

LAKE MILLS	36 32 28	Apr/30 Apr/16 Apr/02	May/16 May/03 Apr/22	Jun/01 May/20 May/13	Sep/19 Sep/23 Oct/04	Sep/27 Oct/07 Oct/20	Oct/06 Oct/21 Nov/04	150 176 209	134 156 180	117 135 150	49 42 34
LAKEWOOD 3 NE	36 32 28	May/25 May/12 May/02	Jun/14 May/30 May/16	Jul/05 Jun/17 May/31	Aug/17 Sep/03 Sep/14	Sep/05 Sep/18 Sep/28	Sep/24 Oct/03 Oct/12	112 134 155	82 111 134	52 87 113	60 53 44
LANCASTER 4 WSW	36 32 28	Apr/29 Apr/15 Apr/02	May/12 Apr/29 Apr/16	May/25 May/13 Apr/30	Sep/18 Sep/23 Oct/02	Sep/29 Oct/06 Oct/17	Oct/10 Oct/19 Nov/01	156 174 206	139 159 183	123 144 160	48 42 35
LAONA 6 SW	36 32 28	May/25 May/15 Apr/28	Jun/12 Jun/01 May/15	Jul/01 Jun/18 May/31	Aug/19 Sep/03 Sep/17	Sep/07 Sep/17 Oct/01	Sep/26 Oct/01 Oct/16	115 129 162	86 108 139	56 86 116	58 52 44
LUCK	36 32 28	May/10 Apr/24 Apr/15	May/27 May/11 May/01	Jun/13 May/28 May/16	Sep/01 Sep/11 Sep/19	Sep/14 Sep/24 Oct/04	Sep/27 Oct/06 Oct/19	129 157 178	109 135 156	90 113 133	53 47 40
LYNXVILLE DAM 9	36 32 28	Apr/18 Apr/06 Mar/31	May/01 Apr/20 Apr/13	May/14 May/04 Apr/25	Sep/24 Sep/29 Oct/11	Oct/06 Oct/15 Oct/26	Oct/18 Oct/31 Nov/09	173 199 218	157 177 195	141 156 173	45 39 31
MADELINE ISLAND	36 32 28	May/24 May/12 Apr/22	Jun/08 May/27 May/09	Jun/23 Jun/12 May/26	Sep/09 Sep/19 Sep/28	Sep/22 Oct/02 Oct/14	Oct/05 Oct/14 Oct/30	127 147 182	106 127 157	84 106 133	58 50 41
MADISON DANE CO AP	36 32 28	May/05 Apr/24 Apr/08	May/24 May/10 Apr/25	Jun/13 May/27 May/12	Sep/11 Sep/21 Sep/24	Sep/21 Oct/02 Oct/10	Oct/02 Oct/12 Oct/26	141 161 192	119 143 167	98 126 143	50 43 35
MANTOWOC	36 32 28	Apr/28 Apr/19 Apr/04	May/14 May/03 Apr/18	May/30 May/16 May/02	Sep/21 Sep/25 Oct/10	Oct/02 Oct/09 Oct/26	Oct/13 Oct/24 Nov/11	160 177 211	141 159 190	121 141 169	48 41 32
MARINETTE	36 32 28	May/02 Apr/26 Apr/09	May/20 May/07 Apr/23	Jun/07 May/19 May/07	Sep/09 Sep/20 Sep/30	Sep/23 Oct/04 Oct/18	Oct/08 Oct/17 Nov/05	150 165 202	125 149 177	100 132 153	51 44 36
MARSHFIELD EXP FARM	36 32 28	May/09 Apr/27 Apr/08	May/26 May/12 Apr/27	Jun/13 May/27 May/17	Aug/21 Sep/16 Sep/23	Sep/11 Sep/28 Oct/07	Oct/02 Oct/09 Oct/20	135 157 187	107 138 162	78 119 136	53 47 39
MATHER 3 NW	36 32 28	May/13 Apr/28 Apr/13	May/29 May/13 Apr/26	Jun/14 May/29 May/10	Sep/01 Sep/09 Sep/24	Sep/15 Sep/26 Oct/08	Sep/29 Oct/12 Oct/21	129 157 184	108 134 164	87 112 143	55 48 40
MAUSTON 1 SE	36 32 28	May/06 Apr/22 Apr/05	May/23 May/10 Apr/25	Jun/10 May/28 May/14	Sep/05 Sep/16 Sep/20	Sep/18 Sep/29 Oct/07	Oct/02 Oct/12 Oct/23	141 165 194	117 141 164	93 117 135	52 46 38
MEDFORD	36 32 28	May/18 Apr/29 Apr/20	Jun/01 May/16 May/02	Jun/14 Jun/01 May/14	Sep/04 Sep/11 Sep/22	Sep/15 Sep/23 Oct/04	Sep/25 Oct/06 Oct/16	120 151 174	105 130 154	90 108 134	56 49 42
MELLEN 4 NE	36 32 28	May/27 May/15 Apr/29	Jun/12 Jun/01 May/18	Jun/29 Jun/19 Jun/06	Aug/21 Sep/08 Sep/19	Sep/08 Sep/19 Sep/29	Sep/26 Oct/01 Oct/08	115 130 155	87 109 133	59 89 111	59 53 45
MENOMONIE	36 32 28	May/07 Apr/27 Apr/11	May/24 May/12 Apr/25	Jun/10 May/26 May/10	Sep/10 Sep/17 Sep/24	Sep/21 Sep/28 Oct/08	Oct/01 Oct/09 Oct/22	140 158 183	119 139 165	98 120 147	52 45 37
MERRILL	36 32 28	May/15 May/08 Apr/24	Jun/05 May/26 May/09	Jun/26 Jun/12 May/24	Aug/18 Sep/02 Sep/17	Sep/06 Sep/19 Sep/30	Sep/24 Oct/06 Oct/13	121 140 161	91 115 143	61 91 125	58 52 44
MILWAUKEE MT MARY COL	36 32 28	Apr/25 Apr/13 Apr/01	May/09 Apr/27 Apr/13	May/24 May/10 Apr/25	Sep/24 Sep/30 Oct/15	Oct/04 Oct/14 Oct/30	Oct/14 Oct/29 Nov/14	163 191 217	147 170 199	130 149 181	44 36 28
MILWAUKEE MITCHELL AP	36 32 28	Apr/22 Apr/10 Apr/02	May/06 Apr/25 Apr/13	May/19 May/10 Apr/24	Sep/24 Oct/01 Oct/16	Oct/07 Oct/19 Oct/31	Oct/20 Nov/05 Nov/14	172 198 218	153 176 199	135 154 180	44 36 29

MINOCCAUA DAM	36 32 28	May21 May12 Apr23	Jun06 May27 May08	Jun21 Jun11 May23	Sep04 Sep13 Sep18	Sep14 Sep26 Oct04	Sep24 Oct10 Oct20	118 142 172	99 122 148	81 102 124	60 54 46
MINIONG 5 WSW	36 32 28	May21 May05 Apr27	Jun05 May21 May11	Jun20 Jun07 May26	Aug31 Sep15 Sep21	Sep14 Sep26 Oct01	Sep28 Oct07 Oct11	122 149 158	100 127 142	79 104 127	55 49 42
MONDOVI	36 32 28	May11 Apr29 Apr14	May26 May15 Apr29	Jun11 May31 May14	Sep07 Sep18 Sep24	Sep17 Sep28 Oct06	Sep27 Oct09 Oct19	131 152 178	113 135 159	94 119 140	52 45 38
MONTELLO	36 32 28	May05 Apr23 Apr13	May22 May11 Apr27	Jun09 May29 May12	Sep10 Sep19 Sep22	Sep21 Oct01 Oct08	Oct02 Oct12 Oct23	141 163 182	121 142 163	101 122 144	51 45 37
NECEDAH	36 32 28	May19 May03 Apr20	Jun03 May18 May05	Jun18 Jun02 May19	Aug22 Sep07 Sep20	Sep09 Sep20 Oct02	Sep27 Oct02 Oct14	121 141 169	98 123 150	74 106 130	53 46 38
NEILLSVILLE 3 SW	36 32 28	May11 May01 Apr16	Jun02 May19 May05	Jun24 Jun06 May24	Aug29 Sep10 Sep21	Sep11 Sep20 Oct03	Sep24 Oct01 Oct14	127 146 172	100 124 150	73 101 127	55 49 41
NEW LONDON	36 32 28	May02 Apr22 Apr09	May21 May10 Apr25	Jun08 May27 May10	Sep07 Sep18 Sep21	Sep19 Sep30 Oct10	Sep30 Oct12 Oct29	137 161 190	120 143 167	103 125 145	52 46 38
NORTH PELICAN	36 32 28	May13 May02 Apr19	Jun15 Jun01 May16	Jul18 Jun01 Jun11	Aug12 Aug21 Sep08	Sep02 Sep16 Sep28	Sep23 Oct13 Oct18	129 158 176	78 106 135	27 54 94	61 54 46
OCONOMOWOC	36 32 28	May01 Apr18 Apr06	May16 May04 Apr19	May30 May20 May02	Sep16 Sep24 Sep30	Sep26 Oct04 Oct16	Oct06 Oct15 Nov02	150 171 203	133 153 179	116 134 156	48 41 33
OCONTO 4 W	36 32 28	May13 Apr29 Apr18	May29 May15 May01	Jun13 May31 May15	Sep08 Sep15 Sep22	Sep18 Sep27 Oct07	Sep28 Oct09 Oct23	127 152 181	111 134 158	96 117 136	55 49 40
OSHKOSH	36 32 28	Apr22 Apr18 Apr02	May10 May01 Apr18	May27 May13 May03	Sep17 Sep20 Oct02	Sep28 Oct08 Oct21	Oct09 Oct26 Nov08	163 182 213	141 160 185	119 137 157	49 43 35
OWEN 3 W	36 32 28	May14 Apr27 Apr12	May31 May17 Apr29	Jun17 Jun05 May17	Aug27 Sep06 Sep21	Sep12 Sep22 Oct05	Sep28 Oct07 Oct19	128 154 182	104 127 159	79 101 135	56 49 42
PARK FALLS DNR HQ	36 32 28	May15 May02 Apr19	Jun02 May18 May03	Jun20 Jun03 May17	Sep03 Sep12 Sep23	Sep14 Sep23 Oct04	Sep26 Oct04 Oct14	123 148 169	104 127 153	84 106 137	56 50 42
PLATTEVILLE	36 32 28	May02 Apr17 Apr04	May16 May04 Apr19	May30 May22 May03	Sep13 Sep20 Sep28	Sep27 Oct01 Oct13	Oct10 Oct12 Oct28	154 169 197	133 149 176	111 129 156	48 42 34
PLYMOUTH	36 32 28	May06 Apr23 Apr09	May23 May08 Apr25	Jun09 May23 May11	Sep18 Sep24 Sep29	Sep29 Oct05 Oct18	Oct10 Oct16 Nov05	143 166 201	128 149 175	113 132 149	49 42 33
PORTAGE	36 32 28	Apr30 Apr17 Apr01	May22 May06 Apr23	Jun13 May26 May14	Sep03 Sep15 Sep21	Sep20 Sep30 Oct11	Oct07 Oct15 Oct31	153 173 206	120 146 171	88 119 136	50 44 35
PORT WASHINGTON	36 32 28	Apr28 Apr13 Mar31	May11 Apr27 Apr14	May24 May10 Apr28	Sep24 Sep29 Oct09	Oct07 Oct17 Oct27	Oct19 Nov04 Nov14	164 198 216	148 173 195	131 148 174	46 38 30
PORT WING	36 32 28	May23 May06 Apr16	Jun21 Jun05 May18	Jul19 Jul05 Jun18	Sep02 Sep13 Sep28	Sep17 Sep27 Oct15	Oct01 Oct10 Nov02	117 146 188	87 113 150	57 79 112	60 51 42
PRAIRIE DU CHIEN	36 32 28	Apr28 Apr17 Apr01	May13 May01 Apr16	May27 May15 May01	Sep18 Sep24 Sep30	Sep28 Oct04 Oct16	Oct09 Oct15 Oct31	156 170 206	138 155 182	120 141 158	47 40 32

PRAIRIE DU SAC 2 N	36 32 28	Apr'22 Apr'17 Apr'05	May'07 Apr'28 Apr'17	May'22 May'10 Apr'29	Sep'13 Sep'20 Sep'30	Sep'25 Oct'04 Oct'17	Oct'08 Oct'17 Nov'03	159 174 205	141 157 182	122 141 160	48 42 34
PRENTICE NO. 2	36 32 28	May'27 May'19 Apr'28	Jun'15 Jun'03 May'19	Jun'05 Jun'18 Jun'08	Aug'08 Aug'26 Sep'09	Aug'30 Sep'12 Sep'25	Sep'21 Sep'30 Oct'10	111 125 155	75 100 128	38 76 102	59 53 45
RACINE	36 32 28	Apr'18 Apr'11 Mar'29	May'04 Apr'25 Apr'11	May'20 May'08 Apr'23	Sep'25 Oct'05 Oct'23	Oct'08 Oct'21 Nov'04	Oct'21 Nov'06 Nov'15	177 201 222	156 179 206	136 158 191	43 35 27
REEDSBURG	36 32 28	Apr'25 Apr'21 Apr'05	May'13 May'07 Apr'22	May'30 May'24 May'09	Sep'07 Sep'16 Sep'25	Sep'21 Oct'03 Oct'12	Oct'05 Oct'20 Oct'28	157 175 200	131 148 172	105 121 143	50 43 36
REST LAKE	36 32 28	May'23 May'11 Apr'24	Jun'10 May'26 May'11	Jun'28 Jun'10 May'29	Aug'23 Sep'04 Sep'16	Sep'09 Sep'20 Oct'02	Sep'26 Oct'06 Oct'19	115 142 169	91 116 143	66 90 117	58 52 44
RHINELANDER	36 32 28	May'22 May'08 Apr'23	Jun'02 May'21 May'04	Jun'13 Jun'03 May'16	Sep'03 Sep'12 Sep'24	Sep'14 Sep'23 Oct'07	Sep'26 Oct'04 Oct'20	119 142 172	103 124 155	87 107 138	58 52 43
RICE LAKE	36 32 28	May'10 Apr'25 Apr'09	May'27 May'14 Apr'30	Jun'12 May'22 May'20	Sep'05 Sep'14 Sep'20	Sep'16 Sep'26 Oct'04	Sep'28 Oct'08 Oct'17	134 155 182	112 134 157	91 112 131	54 48 41
RICHLAND CENTER	36 32 28	May'09 Apr'28 Apr'14	May'25 May'10 Apr'29	Jun'10 May'22 May'14	Sep'07 Sep'15 Sep'25	Sep'20 Sep'28 Oct'08	Oct'03 Oct'11 Oct'21	137 156 180	118 140 161	98 125 142	52 46 38
RIDGELAND 1 NNE	36 32 28	May'15 May'04 Apr'18	Jun'01 May'21 May'04	Jun'18 Jun'07 May'20	Aug'30 Sep'09 Sep'22	Sep'13 Sep'23 Oct'02	Sep'26 Oct'06 Oct'13	127 145 170	103 124 150	79 103 131	55 49 42
RIVER FALLS	36 32 28	May'05 Apr'23 Apr'12	May'21 May'07 Apr'25	Jun'06 May'20 May'08	Sep'10 Sep'17 Sep'27	Sep'21 Sep'29 Oct'11	Oct'03 Oct'10 Oct'25	142 161 187	123 145 168	103 128 150	51 45 37
ROSHOLT 9 NNE	36 32 28	May'19 May'01 Apr'18	Jun'04 May'19 May'04	Jun'20 Jun'06 May'21	Aug'24 Sep'09 Sep'19	Sep'10 Sep'21 Oct'02	Sep'26 Oct'03 Oct'16	121 147 173	97 124 150	72 102 127	56 49 41
ST CROIX FALLS	36 32 28	May'09 Apr'26 Apr'14	May'23 May'09 Apr'28	Jun'06 May'22 May'12	Sep'10 Sep'18 Sep'25	Sep'21 Sep'30 Oct'11	Oct'02 Oct'11 Oct'27	140 160 187	120 143 166	101 126 144	53 47 40
ST GERMAIN 2 E	36 32 28	May'17 May'08 Apr'25	Jun'05 May'22 May'09	Jun'25 Jun'05 May'23	Sep'04 Sep'16 Sep'25	Sep'15 Sep'26 Oct'07	Sep'27 Oct'06 Oct'19	122 146 168	101 127 150	80 108 132	58 52 44
SHAWANO 2 SSW	36 32 28	May'11 Apr'30 Apr'21	May'30 May'17 May'05	Jun'19 Jun'03 May'19	Aug'30 Sep'12 Sep'23	Sep'12 Sep'25 Oct'04	Sep'25 Oct'07 Oct'15	128 147 169	104 130 151	79 112 133	55 48 40
SHEBOYGAN	36 32 28	Apr'23 Apr'07 Mar'29	May'06 Apr'22 Apr'11	May'19 May'07 Apr'24	Sep'24 Oct'03 Oct'19	Oct'06 Oct'20 Nov'02	Oct'19 Nov'06 Nov'16	170 201 223	153 180 204	136 159 186	44 36 28
SOLOM SPRINGS	36 32 28	May'25 May'13 May'01	Jun'09 May'28 May'13	Jun'24 Jun'13 May'25	Aug'29 Sep'08 Sep'20	Sep'10 Sep'18 Sep'30	Sep'22 Sep'28 Oct'11	112 131 157	92 112 140	72 93 122	60 54 46
SPARTA	36 32 28	May'09 Apr'29 Apr'09	May'25 May'13 Apr'28	Jun'11 May'26 May'17	Sep'01 Sep'06 Sep'20	Sep'16 Sep'24 Oct'04	Oct'01 Oct'11 Oct'18	131 152 178	113 133 158	95 115 139	53 46 39
SPOONER EXPERMNT FARM	36 32 28	May'21 May'01 Apr'24	Jun'04 May'21 May'07	Jun'19 Jun'09 May'21	Aug'22 Sep'10 Sep'18	Sep'08 Sep'22 Oct'01	Sep'26 Oct'04 Oct'13	117 146 165	95 124 146	73 101 127	55 49 41
STANLEY	36 32 28	May'11 Apr'29 Apr'17	May'28 May'17 May'01	Jun'14 Jun'03 May'14	Sep'05 Sep'11 Sep'23	Sep'15 Sep'26 Oct'05	Sep'25 Oct'10 Oct'16	130 156 174	109 131 156	88 106 138	55 48 41

STEVENS POINT	36 32 28	May/03 Apr/23 Apr/09	May/18 May/06 Apr/23	Jun/02 May/18 May/07	Sep/10 Sep/21 Sep/26	Sep/20 Sep/30 Oct/10	Oct/01 Oct/10 Oct/25	146 162 192	125 147 170	104 131 147	51 45 37
STOUGHTON	36 32 28	Apr/26 Apr/19 Apr/05	May/15 May/02 Apr/20	Jun/03 May/16 May/04	Sep/12 Sep/18 Sep/22	Sep/25 Oct/02 Oct/09	Oct/09 Oct/17 Oct/26	155 175 195	133 152 172	110 130 149	50 44 37
STURGEON BAY EXP FARM	36 32 28	May/06 Apr/27 Apr/12	May/23 May/11 Apr/25	Jun/10 May/24 May/08	Sep/15 Sep/22 Oct/03	Sep/27 Oct/09 Oct/23	Oct/09 Oct/27 Nov/11	144 169 207	126 151 180	108 132 153	50 42 34
SUPERIOR	36 32 28	May/15 Apr/26 Apr/17	May/31 May/11 Apr/30	Jun/16 May/27 May/14	Aug/31 Sep/17 Sep/24	Sep/17 Sep/30 Oct/10	Oct/04 Oct/13 Oct/27	130 161 185	109 141 162	87 121 140	55 48 40
TREMPEALEAU DAM 6	36 32 28	Apr/21 Apr/12 Mar/31	May/08 Apr/27 Apr/15	May/25 May/13 Apr/30	Sep/17 Sep/20 Oct/01	Sep/28 Oct/04 Oct/15	Oct/09 Oct/17 Oct/30	162 180 203	142 159 182	123 137 162	48 42 35
TWO RIVERS	36 32 28	Apr/26 Apr/18 Apr/02	May/12 Apr/30 Apr/16	May/27 May/11 May/01	Sep/21 Sep/25 Oct/13	Oct/02 Oct/11 Oct/29	Oct/12 Oct/28 Nov/13	160 180 215	142 164 194	125 147 174	47 39 30
VIROQUA 2 S	36 32 28	May/11 Apr/28 Apr/15	May/29 May/14 May/01	Jun/16 May/29 May/17	Sep/06 Sep/14 Sep/19	Sep/17 Sep/27 Oct/02	Sep/28 Oct/11 Oct/14	131 157 172	110 136 153	88 116 134	52 46 39
WASHINGTON ISLAND	36 32 28	May/15 May/05 Apr/21	Jun/03 May/20 May/05	Jun/21 Jun/04 May/19	Sep/08 Sep/20 Oct/01	Sep/27 Oct/08 Oct/19	Oct/15 Oct/25 Nov/05	141 163 189	115 140 165	90 116 142	52 44 36
WATERTOWN	36 32 28	Apr/24 Apr/14 Apr/04	May/13 Apr/29 Apr/18	Jun/01 May/14 May/01	Sep/17 Sep/25 Oct/03	Sep/28 Oct/06 Oct/20	Oct/08 Oct/17 Nov/06	160 179 209	137 159 184	114 140 160	48 41 33
WAUKESHA	36 32 28	Apr/29 Apr/14 Apr/01	May/13 Apr/27 Apr/14	May/28 May/11 Apr/28	Sep/20 Sep/26 Oct/09	Oct/02 Oct/13 Oct/26	Oct/14 Oct/29 Nov/12	158 192 215	141 168 194	124 144 173	46 39 31
WAUPACA	36 32 28	May/01 Apr/22 Apr/06	May/19 May/06 Apr/19	Jun/05 May/19 May/03	Sep/15 Sep/22 Sep/27	Sep/25 Oct/03 Oct/13	Oct/05 Oct/15 Oct/30	148 166 198	129 150 176	110 134 154	51 44 36
WAUSAU AP	36 32 28	May/01 Apr/22 Apr/06	May/19 May/06 Apr/21	Jun/05 May/20 May/07	Sep/13 Sep/21 Sep/26	Sep/23 Oct/02 Oct/14	Oct/03 Oct/13 Nov/01	145 167 200	126 149 175	108 131 150	52 45 38
WEST ALLIS	36 32 28	Apr/18 Apr/06 Mar/27	May/01 Apr/19 Apr/09	May/14 May/01 Apr/21	Sep/25 Oct/06 Oct/21	Oct/08 Oct/23 Nov/03	Oct/21 Nov/09 Nov/16	176 208 223	159 187 208	143 166 192	42 35 27
WEST BEND	36 32 28	May/08 Apr/24 Apr/09	May/25 May/09 Apr/26	Jun/11 May/24 May/12	Sep/11 Sep/19 Sep/27	Sep/24 Oct/04 Oct/16	Oct/08 Oct/19 Nov/04	145 166 198	122 147 172	98 128 146	49 42 33
WEYERHAUSER	36 32 28	May/16 May/05 Apr/18	Jun/02 May/25 May/10	Jun/20 Jun/14 Jun/01	Aug/24 Sep/09 Sep/15	Sep/09 Sep/21 Sep/30	Sep/25 Oct/03 Oct/15	125 143 175	98 118 143	70 93 111	57 51 43
WHITEWATER	36 32 28	May/03 Apr/25 Apr/10	May/20 May/10 Apr/25	Jun/07 May/25 May/10	Sep/10 Sep/21 Sep/25	Sep/21 Oct/04 Oct/13	Oct/02 Oct/17 Nov/01	142 165 194	123 146 171	103 128 147	49 42 34
WILLOW RESERVOIR	36 32 28	May/19 May/10 Apr/23	Jun/08 May/26 May/11	Jun/28 Jun/11 May/30	Aug/15 Aug/31 Sep/13	Sep/05 Sep/18 Oct/03	Sep/26 Oct/06 Oct/23	124 142 174	88 114 144	52 86 113	60 54 46
WINTER	36 32 28	May/27 May/16 Apr/30	Jun/11 May/30 May/17	Jun/27 Jun/14 Jun/02	Aug/20 Sep/02 Sep/20	Sep/04 Sep/16 Oct/01	Sep/20 Sep/30 Oct/12	110 127 155	84 108 137	58 89 119	60 54 46
WISCONSIN DELLS	36 32 28	May/06 Apr/28 Apr/14	May/24 May/14 Apr/28	Jun/10 May/30 May/11	Sep/09 Sep/20 Sep/25	Sep/21 Oct/03 Oct/11	Oct/02 Oct/15 Oct/27	139 161 185	119 141 165	100 122 145	52 45 38

WISCONSIN RAPIDS	36	May10	May28	Jun14	Sep01	Sep15	Sep29	133	110	86	54
	32 28	Apr30 Apr19	May13 May01	May26 May12	Sep14 Sep22	Sep25 Oct04	Oct06 Oct16	153 172	134 156	116 139	48 40

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 (Aug 1 - Jul 31).  
(percent of days with temperatures at or below the threshold temperature)

Freeze / Frost Occurrence Data

All probabilities in whole percent. See notes for probability level description.  
- Indicates the probability of occurrence of threshold temperatureis less than indicated probability.

State And Station Name	Thresh old (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			Prob abil ity  Level value L (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
West Virginia		May01 Apr19 Apr08	May18 May05 Apr26	Jun05 May21 May14	Sep14 Sep20 Sep29	Sep28 Oct05 Oct13	Oct11 Oct20 Oct26	152 176 194	131 152 169	111 128 145	41 33 24
BARTOW 1 S	36 32 28	May09 May01 Apr22	May30 May19 May10	Jun19 Jun05 May28	Aug28 Sep09 Sep22	Sep14 Sep26 Oct06	Sep30 Oct12 Oct19	134 152 172	107 129 148	79 105 124	53 46 37
BAYARD	36 32 28	May16 May03 Apr22	Jun02 May20 May05	Jun19 Jun06 May19	Sep01 Sep13 Sep27	Sep14 Sep26 Oct10	Sep27 Oct09 Oct23	123 145 175	103 128 157	83 112 139	51 43 33
BECKLEY VA HOSPITAL	36 32 28	May05 Apr24 Apr18	May23 May12 May01	Jun10 May31 May13	Sep12 Sep19 Oct01	Sep25 Oct02 Oct13	Oct08 Oct14 Oct25	146 163 184	124 142 165	102 121 145	44 37 29
BECKLEY AP	36 32 28	Apr26 Apr14 Apr01	May14 May03 Apr14	May31 May21 Apr28	Sep18 Sep28 Oct07	Oct01 Oct10 Oct24	Oct14 Oct21 Nov11	162 181 216	140 159 192	117 137 168	38 30 23
BELINGTON	36 32 28	May04 Apr27 Apr15	May22 May13 Apr30	Jun08 May30 May15	Sep15 Sep28 Oct04	Sep27 Oct08 Oct20	Oct08 Oct18 Nov05	147 166 194	128 147 172	108 128 150	48 40 31
BLUEFIELD AP	36 32 28	Apr17 Apr03 Mar21	May04 Apr18 Apr06	May22 May03 Apr22	Sep27 Oct04 Oct13	Oct10 Oct20 Oct31	Oct23 Nov06 Nov19	180 210 234	158 185 208	136 159 181	33 27 19
BLUESTONE LAKE	36 32 28	Apr22 Apr06 Mar24	May04 Apr24 Apr08	May16 May13 Apr22	Oct02 Oct09 Oct18	Oct13 Oct23 Nov04	Oct24 Nov05 Nov21	177 204 235	161 181 210	146 157 185	40 32 22
BUCKEYE	36 32 28	May04 Apr26 Apr14	May23 May13 May01	Jun11 May29 May17	Sep18 Sep23 Oct02	Sep29 Oct05 Oct16	Oct10 Oct17 Oct30	152 164 187	128 145 168	104 125 149	50 42 34
BUCKHANNON	36 32 28	May02 Apr24 Apr12	May20 May10 Apr27	Jun06 May27 May13	Sep17 Sep25 Oct04	Sep28 Oct07 Oct17	Oct09 Oct20 Oct29	150 171 191	131 149 172	111 127 153	44 36 27
CHARLESTON YEAGER AP	36 32 28	Apr17 Apr07 Mar26	May03 Apr22 Apr06	May19 May08 Apr17	Sep29 Oct05 Oct16	Oct11 Oct21 Nov01	Oct23 Nov07 Nov17	179 203 229	160 181 208	141 160 187	34 27 19
CLARKSBURG 1	36 32 28	Apr24 Apr17 Apr02	May11 Apr30 Apr13	May28 May14 Apr24	Sep26 Oct04 Oct15	Oct05 Oct16 Oct31	Oct15 Oct29 Nov15	166 186 220	146 168 200	127 151 179	43 35 26
CRESTON	36 32 28	Apr27 Apr20 Apr09	May13 May03 Apr24	May29 May16 May09	Sep23 Sep29 Oct08	Oct05 Oct14 Oct24	Oct16 Oct29 Nov09	165 182 204	144 163 182	123 144 160	45 37 28
DUNLOW 1 SW	36 32 28	Apr14 Apr06 Mar23	May04 Apr23 Apr11	May23 May10 Apr29	Sep16 Sep27 Oct06	Oct05 Oct16 Oct25	Oct24 Nov03 Nov14	185 202 224	154 175 197	123 147 170	37 29 21

ELKINS AP	36 32 28	May10 Apr27 Apr20	May29 May16 May04	Jun17 Jun04 May17	Sep12 Sep23 Oct04	Sep25 Oct04 Oct15	Oct07 Oct14 Oct26	141 159 181	118 140 164	96 120 147	47 40 31
FAIRMONT	36 32 28	Apr24 Apr13 Mar29	May13 Apr28 Apr15	May31 May14 May01	Sep17 Sep30 Oct10	Oct02 Oct13 Oct26	Oct17 Oct26 Nov10	163 188 218	141 167 193	120 145 168	41 34 25
FRANKLIN 2 NE	36 32 28	May03 Apr27 Apr16	May23 May12 Apr29	Jun12 May28 May12	Sep06 Sep18 Sep27	Sep22 Sep30 Oct11	Oct07 Oct12 Oct24	146 157 186	121 140 164	96 122 142	44 37 28
GASSAWAY	36 32 28	Apr24 Apr17 Apr01	May11 May01 Apr18	May29 May15 May05	Sep24 Oct06 Oct14	Oct07 Oct18 Oct29	Oct21 Oct30 Nov13	169 187 215	148 169 193	127 151 171	40 32 23
GLENNVILLE	36 32 28	Apr27 Apr21 Apr08	May14 May07 Apr22	May31 May23 May05	Sep22 Sep30 Oct09	Oct04 Oct14 Oct26	Oct17 Oct27 Nov11	164 178 208	143 159 186	122 139 164	44 37 28
HAMLIN	36 32 28	Apr24 Apr21 Apr05	May10 May02 Apr19	May26 May14 May02	Sep21 Sep29 Oct06	Oct02 Oct11 Oct23	Oct13 Oct23 Nov09	162 176 207	145 161 187	127 145 166	43 35 26
HOGSETT R C BYRD DAM	36 32 28	Apr18 Apr05 Mar26	May06 Apr24 Apr11	May24 May13 Apr27	Sep26 Oct06 Oct14	Oct09 Oct21 Nov02	Oct22 Nov06 Nov21	180 207 234	155 179 204	131 151 174	41 32 24
HUNTINGTON TRI STATE	36 32 28	Apr15 Apr01 Mar21	Apr30 Apr17 Apr05	May16 May03 Apr19	Sep28 Oct03 Oct15	Oct09 Oct20 Nov01	Oct21 Nov06 Nov18	181 209 232	161 185 210	142 161 187	33 25 18
HUNTINGTON SEWAGE PLNT	36 32 28	Apr16 Apr04 Mar21	May01 Apr19 Apr05	May16 May03 Apr21	Sep29 Oct08 Oct19	Oct12 Oct24 Nov05	Oct25 Nov09 Nov21	186 212 239	164 188 213	142 164 186	34 26 18
LEWISBURG 3 N	36 32 28	May03 Apr25 Apr08	May20 May09 Apr23	Jun06 May23 May08	Sep14 Sep24 Sep27	Sep26 Oct03 Oct15	Oct08 Oct13 Nov02	146 164 201	128 147 174	110 130 148	44 36 27
LOGAN	36 32 28	Apr15 Mar29 Mar20	Apr29 Apr17 Apr04	May14 May06 Apr19	Oct03 Oct15 Oct21	Oct18 Oct29 Nov08	Nov03 Nov13 Nov26	194 220 243	172 194 217	149 169 191	34 26 18
LONDON LOCKS	36 32 28	Apr14 Mar30 Mar18	Apr29 Apr15 Apr01	May14 May01 Apr15	Oct10 Oct15 Oct26	Oct23 Nov01 Nov11	Nov05 Nov18 Nov26	197 224 244	176 199 223	156 173 201	34 26 17
MADISON 3 NNW	36 32 28	Apr21 Apr15 Mar29	May10 Apr28 Apr14	May30 May11 Apr29	Sep25 Oct03 Oct10	Oct10 Oct18 Oct28	Oct25 Nov02 Nov16	178 195 224	152 173 197	126 151 170	41 33 25
MARLINTON	36 32 28	Apr28 Apr19 Apr09	May23 May10 Apr28	Jun18 May31 May17	Sep09 Sep21 Sep26	Sep25 Oct03 Oct11	Oct11 Oct15 Oct25	156 172 190	124 145 165	92 118 139	51 45 37
MARTINSBURG RGNL AP	36 32 28	Apr18 Apr05 Mar18	May03 Apr19 Apr02	May18 May04 Apr16	Sep23 Oct03 Oct15	Oct06 Oct19 Oct28	Oct18 Nov03 Nov10	176 206 228	155 182 209	133 157 189	37 29 21
MATHIAS	36 32 28	May06 Apr25 Apr17	May24 May11 May01	Jun10 May26 May15	Sep08 Sep15 Sep24	Sep22 Sep30 Oct10	Oct07 Oct15 Oct26	144 163 183	121 142 161	98 120 139	45 38 28
MIDDLEBOURNE 3 ESE	36 32 28	Apr30 Apr23 Apr11	May16 May07 Apr26	May31 May20 May11	Sep21 Sep30 Oct08	Oct02 Oct11 Oct22	Oct13 Oct21 Nov05	155 174 195	139 156 178	122 138 162	43 35 26
MOOREFIELD 1 SSE	36 32 28	Apr29 Apr18 Apr04	May13 May01 Apr17	May28 May14 May01	Sep19 Sep26 Oct06	Oct01 Oct10 Oct19	Oct12 Oct24 Nov01	156 179 202	140 161 184	123 143 166	41 33 25
MORGANTOWN HART AP	36 32 28	Apr24 Apr12 Mar28	May09 Apr30 Apr13	May25 May18 Apr28	Sep20 Oct01 Oct15	Oct04 Oct18 Oct29	Oct17 Nov03 Nov12	166 197 222	146 170 199	127 143 175	37 30 21



MORGANTOWN LOCK & DAM	36 32 28	Apr/24 Apr/12 Apr/02	May/11 May/01 Apr/21	May/27 May/19 May/10	Sep/19 Oct/01 Oct/13	Oct/05 Oct/17 Oct/29	Oct/20 Nov/02 Nov/15	172 198 220	146 169 190	121 139 160	40 32 23
MOUNDSVILLE	36 32 28	Apr/22 Apr/16 Apr/01	May/07 Apr/30 Apr/15	May/22 May/13 Apr/29	Sep/28 Oct/05 Oct/16	Oct/08 Oct/19 Oct/31	Oct/17 Nov/01 Nov/14	171 190 218	153 171 198	134 152 178	42 33 25
NEW CUMBERLAND LD	36 32 28	Apr/26 Apr/22 Apr/07	May/13 May/03 Apr/21	May/29 May/14 May/04	Sep/21 Oct/06 Oct/18	Oct/05 Oct/19 Oct/31	Oct/19 Nov/02 Nov/14	167 186 210	144 169 193	122 151 176	41 33 24
OAK HILL	36 32 28	Apr/26 Apr/12 Mar/24	May/14 Apr/30 Apr/11	Jun/01 May/18 Apr/30	Sep/19 Sep/28 Oct/09	Oct/02 Oct/12 Oct/26	Oct/15 Oct/25 Nov/11	162 188 221	141 164 196	120 140 172	41 33 24
PARKERSBURG AP	36 32 28	Apr/22 Apr/10 Mar/27	May/06 Apr/24 Apr/08	May/20 May/07 Apr/20	Sep/27 Oct/01 Oct/17	Oct/10 Oct/19 Nov/04	Oct/22 Nov/06 Nov/22	173 201 232	156 178 209	139 154 186	36 28 20
PARKERSBURG	36 32 28	Apr/17 Apr/06 Mar/24	May/04 Apr/21 Apr/06	May/21 May/07 Apr/19	Sep/26 Oct/09 Oct/19	Oct/09 Oct/22 Nov/04	Oct/22 Nov/05 Nov/20	181 203 234	158 183 211	135 163 189	38 30 21
PARSONS 1 NE	36 32 28	Apr/30 Apr/23 Apr/12	May/18 May/08 Apr/26	Jun/06 May/23 May/10	Sep/21 Sep/29 Oct/05	Oct/01 Oct/11 Oct/21	Oct/12 Oct/23 Nov/06	155 173 193	135 155 177	116 137 161	46 39 30
PINEVILLE	36 32 28	Apr/22 Apr/13 Mar/26	May/06 Apr/30 Apr/12	May/21 May/16 Apr/29	Sep/29 Oct/06 Oct/14	Oct/11 Oct/20 Oct/29	Oct/24 Nov/03 Nov/14	176 194 223	157 173 200	139 152 176	41 33 24
RIPLEY	36 32 28	Apr/24 Apr/18 Mar/29	May/11 May/02 Apr/15	May/27 May/16 May/02	Sep/20 Sep/29 Oct/08	Oct/02 Oct/13 Oct/24	Oct/14 Oct/27 Nov/09	165 184 218	144 163 191	122 143 164	40 32 23
ROMNEY 1 SW	36 32 28	Apr/29 Apr/18 Apr/03	May/14 May/04 Apr/17	May/30 May/19 Apr/30	Sep/19 Sep/29 Oct/12	Oct/02 Oct/12 Oct/25	Oct/14 Oct/25 Nov/07	158 181 209	140 161 190	122 141 172	44 36 27
ROWLESBURG 1	36 32 28	Apr/27 Apr/15 Apr/03	May/13 May/03 Apr/18	May/29 May/20 May/03	Sep/26 Oct/05 Oct/16	Oct/06 Oct/17 Oct/29	Oct/15 Oct/29 Nov/12	164 189 217	145 166 194	125 143 171	45 36 27
SENECA STATE FOREST 1N	36 32 28	May/19 May/05 Apr/23	Jun/08 May/23 May/12	Jun/28 Jun/10 May/31	Aug/28 Sep/11 Sep/21	Sep/13 Sep/25 Oct/03	Sep/29 Oct/08 Oct/15	126 145 166	96 124 143	66 103 119	54 47 38
SPENCER	36 32 28	Apr/29 Apr/21 Apr/11	May/17 May/08 Apr/26	Jun/05 May/24 May/11	Sep/15 Sep/24 Oct/02	Sep/29 Oct/08 Oct/18	Oct/13 Oct/22 Nov/03	157 172 195	134 153 175	111 133 155	44 36 28
SUMMERSVILLE LAKE	36 32 28	Apr/26 Apr/21 Apr/04	May/13 May/03 Apr/19	May/31 May/14 May/03	Sep/24 Sep/29 Oct/09	Oct/05 Oct/13 Oct/26	Oct/16 Oct/27 Nov/13	165 178 215	144 162 190	122 147 165	43 35 26
SUTTON LAKE	36 32 28	Apr/27 Apr/18 Apr/02	May/12 May/04 Apr/16	May/28 May/21 May/01	Sep/24 Sep/29 Oct/06	Oct/05 Oct/12 Oct/24	Oct/15 Oct/24 Nov/11	164 183 218	145 160 190	125 136 162	45 37 29
TERRA ALTA NO 1	36 32 28	Apr/28 Apr/26 Apr/06	May/18 May/06 Apr/22	Jun/08 May/15 May/07	Sep/11 Sep/24 Oct/04	Sep/26 Oct/09 Oct/21	Oct/11 Oct/24 Nov/08	153 173 210	130 155 182	108 138 155	43 36 29
UNION 3 SSE	36 32 28	May/03 Apr/26 Apr/15	May/23 May/12 Apr/30	Jun/13 May/27 May/15	Sep/10 Sep/20 Sep/30	Sep/24 Oct/01 Oct/11	Oct/08 Oct/12 Oct/23	145 160 182	123 141 164	101 123 146	44 36 28
WARDENSVILLE R M FARM	36 32 28	May/04 Apr/23 Apr/09	May/18 May/04 Apr/23	Jun/01 May/15 May/07	Sep/12 Sep/22 Oct/04	Sep/27 Oct/06 Oct/17	Oct/11 Oct/20 Oct/30	151 173 195	131 154 176	112 136 157	46 39 30
WAYNE 2	36 32 28	Apr/23 Apr/18 Mar/27	May/09 May/01 Apr/11	May/25 May/14 Apr/25	Sep/24 Oct/01 Oct/10	Oct/06 Oct/15 Oct/26	Oct/18 Oct/28 Nov/12	169 185 220	149 166 198	129 147 176	43 35 26

WELLSBURG WTR TRMT PL	36 32 28	Apr25 Apr14 Apr04	May11 May01 Apr17	May27 May18 Apr30	Sep22 Oct02 Oct14	Oct05 Oct17 Oct30	Oct19 Nov02 Nov14	170 193 214	147 169 195	124 145 175	41 32 24
WESTON	36 32 28	Apr28 Apr18 Apr06	May15 May02 Apr19	May31 May16 May02	Sep22 Sep28 Oct10	Oct04 Oct13 Oct27	Oct16 Oct28 Nov14	163 183 216	142 163 191	120 143 166	44 37 28
WEST UNION 2	36 32 28	Apr28 Apr17 Apr06	May15 May04 Apr23	Jun01 May20 May10	Sep21 Sep24 Oct07	Oct03 Oct12 Oct24	Oct14 Oct31 Nov10	159 187 208	140 161 184	120 134 159	45 37 28
WHITE SULPHUR SPRINGS	36 32 28	May03 Apr26 Apr12	May19 May12 Apr26	Jun05 May28 May09	Sep11 Sep22 Oct02	Sep26 Oct05 Oct15	Oct11 Oct18 Oct27	151 164 189	129 146 171	108 127 153	45 37 28

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 (Aug 1 - Jul 31).  
(percent of days with temperatures at or below the threshold temperature)

Freeze / Frost Occurrence Data

All probabilities in whole percent. See notes for probability level description.  
- Indicates the probability of occurrence of threshold temperatureis less than indicated probability.

State And Station Name	T h r e s h o l d (F)	Spring (Date)			Fall (Date)			Freeze Free Period (Days)			P r o b a b i l i t y (4)
		Probability Level (1)			Probability Level (2)			Probability Level (3)			
		90	50	10	10	50	90	10	50	90	
Wyoming		Jul04 Jun16 May16	Jul18 Jul02 Jun07	Aug01 Jul19 Jun28	Jul29 Aug07 Aug22	Aug13 Aug26 Sep08	Aug29 Sep13 Sep25	50 82 121	25 54 93	0 26 65	77 67 56
AFTON	36 32 28	May14 May01 Apr21	May31 May13 May04	Jun17 May26 May16	Sep08 Sep13 Sep19	Sep17 Sep24 Oct04	Sep27 Oct05 Oct18	130 152 175	108 133 152	87 114 129	55 47 38
ALBIN	36 32 28	May14 May01 Apr21	May31 May13 May04	Jun17 May26 May16	Sep08 Sep13 Sep19	Sep17 Sep24 Oct04	Sep27 Oct05 Oct18	130 152 175	108 133 152	87 114 129	55 47 38
ALTA 1 NNW	36 32 28	Jun19 Jun04 May04	Jul06 Jun25 May28	Jul23 Jul15 Jun21	Aug05 Aug16 Sep01	Aug26 Sep05 Sep16	Sep16 Sep25 Oct02	83 103 144	51 72 111	18 40 77	68 60 50
ARCHER	36 32 28	May25 May08 Apr27	Jun08 May26 May08	Jun21 Jun12 May19	Sep03 Sep12 Sep16	Sep13 Sep21 Sep28	Sep24 Sep30 Oct10	117 139 161	97 118 142	78 97 123	60 52 44
BASIN	36 32 28	May06 Apr25 Apr18	May25 May13 May01	Jun13 May31 May14	Sep04 Sep09 Sep18	Sep14 Sep20 Oct02	Sep23 Oct02 Oct16	133 152 175	111 130 153	88 107 132	58 51 44
BATES CREEK NO 2	36 32 28	May22 May09 Apr20	Jun08 May30 May07	Jun26 Jun19 May24	Aug29 Sep12 Sep15	Sep12 Sep21 Sep27	Sep25 Sep30 Oct09	117 135 166	95 114 143	72 93 120	58 51 42
BIG PINEY	36 32 28	Jul05 Jun15 May23	Jul20 Jul06 Jun15	Aug04 Jul27 Jul08	Jul28 Aug02 Aug09	Aug08 Aug14 Aug28	Aug20 Aug26 Sep16	40 66 105	18 38 73	0 11 41	81 72 64
BILLY CREEK	36 32 28	May25 May13 Apr27	Jun16 May27 May12	Jul08 Jun11 May26	Aug19 Sep06 Sep14	Sep04 Sep16 Sep25	Sep20 Sep26 Oct06	106 128 156	80 111 136	53 95 116	60 52 44
BITTER CREEK 4 NE	36 32 28	Jun13 May31 May10	Jul02 Jun20 Jun01	Jul22 Jul10 Jun23	Aug03 Aug10 Aug27	Aug22 Aug31 Sep13	Sep11 Sep20 Sep30	80 105 130	50 71 103	21 37 77	70 62 53
BLACK MOUNTAIN	36 32 28	May15 May03 Apr17	Jun01 May24 May07	Jun19 Jun13 May27	Aug31 Sep10 Sep15	Sep16 Sep23 Oct01	Oct01 Oct06 Oct16	131 147 173	106 122 146	81 96 119	55 48 39
BONDURANT	36 32 28	Jul24 Jul20 Jun30	Jul29 Jul27 Jul14	Aug03 Aug02 Jul28	Jul31 Jul29 Jul30	Aug02 Aug05 Aug11	Aug06 Aug12 Aug25	10 20 47	4 8 27	0 0 7	91 83 71
BOYSEN DAM	36 32 28	May03 Apr22 Apr05	May20 May08 Apr24	Jun05 May24 May13	Sep14 Sep19 Sep28	Sep25 Oct05 Oct16	Oct06 Oct20 Nov02	150 175 201	128 149 174	106 123 146	53 46 39
BUFFALO	36 32 28	May12 May03 Apr18	Jun03 May17 May02	Jun24 Jun01 May16	Aug31 Sep10 Sep15	Sep13 Sep20 Sep30	Sep26 Oct01 Oct15	129 146 174	102 125 150	75 105 127	57 50 42
BUFFALO BILL DAM	36 32 28	May04 Apr19 Mar28	May26 May12 Apr23	Jun17 Jun04 May20	Sep04 Sep18 Sep24	Sep20 Oct05 Oct13	Oct06 Oct22 Oct31	146 176 209	117 145 171	87 114 134	47 38 28

BURGESS JUNCTION	36 32 28	Jul15 Jun26 Jun04	Jul25 Jul12 Jun26	Aug03 Jul29 Jul18	Jul28 Jul31 Aug15	Aug08 Aug18 Sep02	Aug20 Sep05 Sep21	30 65 94	14 36 67	0 6 40	80 71 62
BURRIS	36 32 28	Jun04 May20 Apr30	Jun23 Jun05 May14	Jul11 Jun21 May28	Aug14 Aug30 Sep12	Aug31 Sep13 Sep25	Sep17 Sep27 Oct07	95 122 153	68 99 133	42 77 113	63 54 45
CARPENTER	36 32 28	May15 May02 Apr27	May31 May18 May07	Jun16 Jun03 May18	Sep05 Sep13 Sep19	Sep17 Sep24 Oct01	Sep29 Oct06 Oct12	131 151 165	108 129 146	86 107 127	57 50 41
CASPER NATRONA CO AP	36 32 28	May23 May05 Apr21	Jun07 May22 May05	Jun22 Jun08 May18	Aug31 Sep10 Sep15	Sep13 Sep19 Sep28	Sep25 Sep29 Oct12	116 138 165	97 120 146	77 102 127	58 49 39
CENTENNIAL 1 N	36 32 28	Jun12 May30 May12	Jul01 Jun15 May31	Jul19 Jul01 Jun18	Aug12 Aug24 Sep10	Aug30 Sep11 Sep23	Sep16 Sep29 Oct06	83 115 137	59 87 114	35 59 92	70 60 50
CHEYENNE MUNICIPAL AP	36 32 28	May15 Apr27 Apr18	May30 May12 May01	Jun14 May26 May14	Sep08 Sep14 Sep19	Sep18 Sep26 Oct06	Sep29 Oct08 Oct22	129 158 180	111 137 157	92 116 134	55 47 38
CHUGWATER	36 32 28	May24 May11 Apr26	Jun15 May28 May11	Jul07 Jun15 May26	Aug16 Sep05 Sep12	Sep05 Sep18 Sep24	Sep25 Sep30 Oct05	116 135 155	81 111 135	47 88 114	59 50 40
CHURCH BUTTES GAS PLT	36 32 28	May31 May15 May02	Jun20 Jun04 May20	Jul09 Jun24 Jun07	Aug24 Sep01 Sep12	Sep10 Sep16 Sep27	Sep27 Sep30 Oct12	108 129 157	81 103 129	54 76 101	64 56 48
CLARK 3 NE	36 32 28	May22 May07 Apr23	Jun09 May24 May11	Jun28 Jun10 May28	Aug23 Sep03 Sep10	Sep08 Sep15 Sep24	Sep24 Sep27 Oct09	113 135 160	90 113 136	67 92 111	60 54 46
CLEARMONT 5 SW	36 32 28	May26 May06 May01	Jun16 May31 May13	Jul07 Jun24 May26	Aug19 Aug27 Sep10	Sep03 Sep12 Sep21	Sep18 Sep27 Oct03	103 132 149	78 104 130	52 75 112	63 56 48
CODY	36 32 28	May18 May01 Apr17	Jun02 May17 May02	Jun18 Jun01 May17	Sep04 Sep10 Sep17	Sep15 Sep21 Oct02	Sep25 Oct03 Oct17	120 149 173	103 127 152	87 106 130	53 45 36
CODY 12 SE	36 32 28	May25 May05 Apr22	Jun12 May25 May06	Jun29 Jun14 May20	Aug21 Sep06 Sep12	Sep06 Sep18 Sep24	Sep21 Sep30 Oct06	109 138 162	85 115 141	61 92 120	61 52 43
CODY 21 SW	36 32 28	Jun10 May22 May04	Jun28 Jun10 May18	Jul16 Jun29 Jun02	Aug11 Aug24 Sep06	Aug28 Sep09 Sep19	Sep15 Sep25 Oct02	87 114 144	60 90 123	33 65 102	61 51 41
COLONY	36 32 28	May06 Apr27 Apr15	May21 May11 Apr30	Jun06 May25 May15	Sep09 Sep15 Sep21	Sep18 Sep28 Oct09	Sep27 Oct11 Oct27	138 161 186	119 139 162	101 118 138	52 45 36
DEAVER	36 32 28	May19 May03 Apr20	Jun05 May19 May05	Jun21 Jun04 May20	Aug29 Sep06 Sep10	Sep11 Sep18 Sep26	Sep23 Sep29 Oct12	119 144 167	97 121 143	75 98 119	60 54 46
DEVILS TOWER 2	36 32 28	May31 May16 May03	Jun19 Jun05 May16	Jul08 Jun25 May30	Aug13 Aug28 Sep11	Aug31 Sep12 Sep21	Sep18 Sep27 Oct01	101 124 145	73 98 126	44 71 108	63 57 48
DILLINGER	36 32 28	May22 May05 Apr28	Jun13 May28 May12	Jul04 Jun20 May26	Aug21 Sep05 Sep10	Sep07 Sep16 Sep25	Sep23 Sep27 Oct09	110 135 158	85 110 135	61 84 113	61 54 45
DIVERSION DAM	36 32 28	May22 May11 Apr27	Jun10 May27 May10	Jun29 Jun12 May23	Aug24 Sep05 Sep13	Sep09 Sep17 Sep26	Sep24 Sep29 Oct09	116 130 156	90 112 138	63 94 121	61 53 45
DOUBLE FOUR RANCH	36 32 28	Jun11 May20 May04	Jul01 Jun10 May21	Jul21 Jul02 Jun06	Aug07 Aug20 Sep04	Aug23 Sep06 Sep17	Sep08 Sep23 Sep29	79 115 136	52 87 118	25 58 100	66 57 46

DUBOIS	36 32 28	Jun23 Jun04 May09	Jul11 Jun24 Jun01	Jul30 Jul14 Jun24	Jul31 Aug11 Aug27	Aug15 Aug30 Sep12	Aug30 Sep17 Sep27	61 94 129	34 66 101	7 38 74	73 63 51
DULL CENTER 1 SE	36 32 28	May09 Apr28 Apr24	May30 May21 May04	Jun21 Jun13 May15	Sep07 Sep08 Sep16	Sep16 Sep20 Sep29	Sep25 Oct01 Oct11	133 149 163	108 121 147	83 93 130	56 48 40
ECHETA 2 NW	36 32 28	May23 May10 Apr27	Jun12 May22 May09	Jul02 Jun03 May21	Aug20 Sep07 Sep12	Sep07 Sep18 Sep24	Sep24 Sep30 Oct05	112 134 156	86 118 137	60 103 118	61 53 43
ELK MOUNTAIN	36 32 28	Jun04 May19 May01	Jun23 Jun04 May18	Jul12 Jun20 Jun05	Aug12 Sep03 Sep11	Aug30 Sep13 Sep22	Sep17 Sep23 Oct03	93 120 147	67 101 126	41 81 105	64 55 44
EMBLEM	36 32 28	May11 Apr26 Apr16	May29 May11 Apr29	Jun15 May25 May12	Sep03 Sep10 Sep19	Sep14 Sep20 Oct03	Sep26 Oct01 Oct17	128 152 177	108 132 156	87 112 135	57 50 42
EVANSTON 1 E	36 32 28	Jun19 May25 May10	Jul06 Jun18 May30	Jul23 Jul11 Jun19	Aug06 Aug16 Sep01	Aug26 Sep05 Sep16	Sep14 Sep24 Oct01	80 110 133	50 78 109	20 47 84	70 61 51
FARSON 5 N	36 32 28	Jun23 Jun06 May19	Jul08 Jun25 Jun05	Jul23 Jul14 Jun22	Jul31 Aug10 Aug22	Aug16 Aug28 Sep06	Aug31 Sep15 Sep20	60 93 119	38 63 92	16 33 65	77 69 62
FONTENELLE DAM	36 32 28	Jun26 Jun05 May20	Jul11 Jun26 Jun13	Jul27 Jul16 Jul08	Aug04 Aug10 Aug19	Aug19 Aug27 Sep05	Sep02 Sep12 Sep22	58 90 111	37 61 83	17 33 55	76 69 61
GAS HILLS 4 E	36 32 28	May25 May10 May01	Jun10 May31 May18	Jun27 Jun21 Jun04	Aug26 Aug30 Sep08	Sep09 Sep15 Sep25	Sep24 Oct02 Oct11	116 137 153	90 106 129	65 76 105	60 53 45
GILLETTE 6 SE	36 32 28	May12 May05 Apr19	Jun01 May18 May03	Jun21 May30 May16	Sep06 Sep12 Sep15	Sep15 Sep22 Oct02	Sep25 Oct03 Oct18	127 141 174	105 127 151	84 112 128	56 48 39
GLENROCK 5 ESE	36 32 28	May16 Apr27 Apr17	Jun01 May11 Apr29	Jun18 May26 May12	Sep04 Sep09 Sep17	Sep15 Sep20 Oct01	Sep26 Oct01 Oct15	126 151 178	105 131 154	85 111 129	53 44 35
GREEN RIVER	36 32 28	Jun10 May16 May05	Jun26 Jun04 May24	Jul13 Jun23 Jun11	Aug09 Aug15 Sep06	Aug26 Sep04 Sep18	Sep12 Sep25 Sep29	86 121 137	60 91 116	34 62 96	69 61 53
HEART MOUNTAIN	36 32 28	May15 May05 Apr24	Jun06 May21 May09	Jun27 Jun07 May23	Aug24 Sep04 Sep11	Sep09 Sep16 Sep25	Sep24 Sep29 Oct10	124 137 161	94 117 139	65 97 117	58 50 42
HULETT	36 32 28	May19 May05 Apr19	Jun09 May27 May06	Jun29 Jun18 May24	Sep03 Sep07 Sep11	Sep12 Sep18 Sep28	Sep20 Sep28 Oct15	115 140 172	94 113 144	73 87 117	60 53 45
JACKSON	36 32 28	Jul11 Jun24 May27	Jul22 Jul10 Jun19	Aug02 Jul26 Jul11	Jul30 Jul31 Aug14	Aug08 Aug16 Aug30	Aug18 Sep01 Sep16	33 60 102	16 36 72	0 12 42	79 68 56
JEFFREY CITY	36 32 28	Jun05 May20 May06	Jun23 Jun06 May23	Jul11 Jun28 Jun08	Aug17 Sep01 Sep08	Sep02 Sep12 Sep19	Sep18 Sep23 Sep30	95 121 140	70 97 119	45 73 97	67 59 51
KAYCEE	36 32 28	May14 May02 Apr25	Jun07 May21 May07	Jul01 Jun09 May18	Aug28 Sep08 Sep14	Sep10 Sep18 Sep29	Sep23 Sep29 Oct14	123 141 167	95 119 145	66 98 123	61 53 45
KEMMERER 2 N	36 32 28	Jun21 Jun05 May11	Jul08 Jun24 Jun05	Jul26 Jul13 Jul01	Aug02 Aug11 Aug25	Aug20 Aug30 Sep11	Sep07 Sep18 Sep28	72 93 133	42 66 97	12 38 60	74 66 57
LA BARGE	36 32 28	Jun29 Jun07 May11	Jul14 Jun25 Jun02	Jul29 Jul12 Jun24	Aug02 Aug08 Aug20	Aug15 Aug26 Sep07	Aug29 Sep13 Sep26	53 80 126	31 61 97	10 43 67	76 68 59

LA GRANGE	36 32 28	May19 May03 Apr24	Jun04 May21 May06	Jun19 Jun07 May18	Aug24 Sep09 Sep15	Sep10 Sep20 Sep28	Sep28 Oct01 Oct11	124 141 164	98 122 145	71 103 125	58 50 41
LAKE YELLOWSTONE	36 32 28	Jul17 Jul02 Jun13	Jul26 Jul17 Jul02	Aug03 Aug01 Jul21	Jul29 Jul31 Aug08	Aug05 Aug14 Aug26	Aug13 Aug30 Sep12	24 54 82	10 28 54	0 2 26	88 79 69
LANDER AP	36 32 28	May13 Apr30 Apr21	Jun01 May19 May04	Jun19 Jun06 May17	Sep08 Sep13 Sep18	Sep17 Sep24 Oct03	Sep26 Oct05 Oct18	130 151 173	108 128 151	86 105 130	57 50 41
LARAMIE RGNL AP	36 32 28	Jun07 May20 May04	Jun24 Jun07 May21	Jul10 Jun25 Jun08	Aug17 Sep01 Sep07	Sep02 Sep14 Sep19	Sep18 Sep27 Oct01	91 121 140	69 98 120	47 75 99	68 60 50
LARAMIE 2 NW	36 32 28	Jun16 May25 May10	Jul02 Jun13 May28	Jul17 Jul01 Jun16	Aug03 Aug15 Aug30	Aug21 Sep02 Sep13	Sep08 Sep19 Sep27	72 109 134	49 80 107	27 51 80	71 63 54
LEITER 9 N	36 32 28	May09 May02 Apr15	May24 May14 Apr27	Jun08 May26 May10	Sep03 Sep13 Sep18	Sep17 Sep26 Oct04	Oct01 Oct09 Oct21	135 152 182	115 134 159	95 117 136	54 47 37
LOVELL	36 32 28	May08 Apr27 Apr15	May26 May15 Apr27	Jun14 Jun12 May09	Aug29 Sep07 Sep14	Sep12 Sep20 Oct01	Sep27 Oct04 Oct18	133 152 180	108 128 156	83 104 133	59 51 43
LUSK 2 SW	36 32 28	May19 May11 Apr28	Jun12 May27 May11	Jul06 Jun12 May25	Aug26 Sep08 Sep11	Sep09 Sep18 Sep24	Sep24 Sep28 Oct06	118 134 154	88 113 135	58 93 116	60 53 44
MEDICINE BOW	36 32 28	Jun02 May15 Apr28	Jun21 Jun05 May17	Jul11 Jun27 Jun06	Aug11 Aug26 Sep02	Aug28 Sep09 Sep17	Sep15 Sep24 Oct01	93 122 147	67 95 122	42 68 96	68 60 50
MIDWEST	36 32 28	May15 Apr30 Apr22	Jun04 May16 May04	Jun23 Jun02 May16	Aug15 Aug25 Sep14	Sep05 Sep13 Sep28	Sep26 Oct01 Oct11	124 145 164	93 119 146	61 93 128	59 50 40
MOORCROFT 3 S	36 32 28	May13 May02 Apr19	Jun03 May21 May06	Jun24 Jun09 May23	Aug30 Sep11 Sep15	Sep12 Sep18 Sep27	Sep25 Sep26 Oct09	129 139 164	100 120 143	72 100 122	60 53 44
MOOSE	36 32 28	Jul04 Jun21 May22	Jul17 Jul05 Jun13	Jul30 Jul19 Jul05	Jul31 Aug06 Aug18	Aug10 Aug24 Sep04	Aug22 Sep11 Sep22	42 73 113	23 49 83	4 24 52	79 69 58
MORAN 5 WNW	36 32 28	Jun29 Jun18 May21	Jul14 Jul03 Jun08	Jul29 Jul18 Jun27	Jul31 Aug11 Aug24	Aug13 Aug27 Sep08	Aug25 Sep12 Sep24	49 77 117	29 54 91	9 31 65	78 69 58
MOUNTAIN VIEW	36 32 28	Jun10 Jun01 May07	Jun29 Jun16 May25	Jul19 Jun30 Jun12	Aug12 Aug25 Sep08	Aug30 Sep09 Sep20	Sep16 Sep25 Oct02	91 108 140	60 85 117	30 62 95	67 59 49
MUDDY GAP	36 32 28	May24 May10 Apr29	Jun12 May31 May12	Jun30 Jun20 May24	Aug28 Sep08 Sep14	Sep11 Sep19 Sep26	Sep25 Oct01 Oct09	116 135 154	90 111 137	64 87 121	59 50 41
NEWCASTLE	36 32 28	May13 May02 Apr20	Jun01 May14 May01	Jun20 May27 May12	Sep07 Sep11 Sep16	Sep17 Sep23 Oct03	Sep27 Oct05 Oct21	128 151 177	108 131 155	87 111 132	54 47 39
PAVILLION	36 32 28	May21 May07 Apr17	Jun08 May22 May06	Jun26 Jun06 May25	Sep01 Sep12 Sep16	Sep12 Sep22 Oct03	Sep24 Oct03 Oct19	117 140 176	95 123 149	74 106 121	59 52 44
PHILLIPS	36 32 28	May19 May01 Apr21	Jun05 May21 May06	Jun23 Jun10 May21	Aug31 Sep05 Sep10	Sep13 Sep19 Sep26	Sep25 Oct04 Oct13	123 147 166	99 121 143	75 95 120	54 46 37
PINEDALE	36 32 28	Jul02 Jun19 May26	Jul18 Jul05 Jun13	Aug03 Jul21 Jun30	Jul29 Aug02 Aug12	Aug07 Aug18 Aug28	Aug17 Sep04 Sep13	42 70 99	19 44 76	0 17 52	81 72 63

POWDER RIVER NO 2	36 32 28	May25 May11 May02	Jun14 May30 May15	Jul04 Jun18 May28	Aug19 Aug29 Sep05	Sep04 Sep13 Sep20	Sep20 Sep28 Oct06	111 134 151	81 106 128	51 78 105	62 54 45
RAWLINS AP	36 32 28	May30 May11 Apr28	Jun14 Jun01 May18	Jun30 Jun21 Jun07	Aug25 Sep10 Sep12	Sep08 Sep18 Sep23	Sep22 Sep25 Oct05	105 131 153	85 108 128	65 85 103	61 53 43
RECLUSE 11 NNW	36 32 28	Jun01 May13 May01	Jun21 Jun03 May19	Jul10 Jun24 Jun06	Aug11 Aug28 Sep03	Aug28 Sep12 Sep18	Sep15 Sep26 Oct03	95 125 145	68 100 122	41 75 98	64 57 50
REDBIRD	36 32 28	May16 May06 Apr21	Jun03 May21 May03	Jun21 Jun05 May15	Aug25 Sep08 Sep11	Sep09 Sep17 Sep25	Sep25 Sep27 Oct09	121 138 164	98 119 145	74 100 125	58 51 43
RIVERTON	36 32 28	May23 May03 Apr24	Jun12 May26 May08	Jul02 Jun18 May23	Aug22 Sep03 Sep14	Sep06 Sep15 Sep25	Sep21 Sep28 Oct06	112 141 156	85 112 139	58 82 121	63 57 49
ROCHELLE 3 E	36 32 28	May21 May11 Apr28	Jun12 Jun01 May11	Jul03 Jun22 May24	Aug19 Sep03 Sep08	Sep06 Sep14 Sep20	Sep23 Sep25 Oct01	112 128 150	85 104 131	58 81 112	63 55 45
ROCK SPRINGS AP	36 32 28	May26 May12 Apr25	Jun10 May28 May12	Jun24 Jun13 May29	Aug29 Sep09 Sep13	Sep12 Sep19 Sep28	Sep26 Sep30 Oct13	117 134 163	94 113 139	70 92 114	61 54 44
SAGE 4 NNW	36 32 28	Jul01 Jun13 May27	Jul18 Jul08 Jun19	Aug04 Aug01 Jul12	Jul30 Jul31 Aug11	Aug08 Aug15 Aug27	Aug18 Aug31 Sep11	43 73 101	20 38 68	0 2 35	80 71 62
SARATOGA	36 32 28	Jun03 May17 Apr30	Jun17 Jun02 May19	Jun30 Jun17 Jun07	Aug16 Sep01 Sep12	Sep01 Sep13 Sep23	Sep18 Sep25 Oct05	98 123 148	76 102 127	54 82 105	64 56 46
SHERIDAN AP	36 32 28	May18 May03 Apr22	Jun07 May18 May05	Jun26 Jun02 May18	Sep03 Sep10 Sep13	Sep13 Sep19 Sep28	Sep22 Sep29 Oct14	118 140 165	97 124 146	76 107 127	58 50 41
SHERIDAN FIELD STN	36 32 28	May23 May06 Apr23	Jun13 May28 May10	Jul04 Jun18 May27	Aug21 Aug30 Sep10	Sep06 Sep13 Sep24	Sep22 Sep28 Oct08	104 132 157	84 108 137	63 84 116	62 55 46
SNAKE RIVER	36 32 28	Jul25 Jul11 Jun21	Jul29 Jul22 Jul08	Aug01 Aug02 Jul24	Jul31 Jul29 Aug01	Aug04 Aug08 Aug17	Aug08 Aug19 Sep02	12 34 63	5 17 40	0 0 16	89 81 69
SOUTH PASS CITY	36 32 28	Jun28 May31 May20	Jul15 Jun27 Jun12	Aug01 Jul24 Jul05	Jul31 Aug04 Aug14	Aug15 Aug23 Sep01	Sep01 Sep11 Sep18	60 98 113	30 56 80	0 14 47	81 73 63
SUNDANCE	36 32 28	May18 May09 Apr23	Jun10 May28 May06	Jul02 Jun16 May19	Sep02 Sep09 Sep14	Sep12 Sep19 Sep30	Sep22 Sep28 Oct15	119 135 167	94 113 145	68 91 124	58 50 41
SUNSHINE 3 NE	36 32 28	Jun18 Jun02 May12	Jul08 Jun23 Jun04	Jul28 Jul14 Jun26	Aug01 Aug14 Aug24	Aug19 Aug31 Sep10	Sep06 Sep17 Sep27	68 94 125	41 68 98	14 43 71	73 64 55
SYBILLE RESEARCH UNIT	36 32 28	May29 May13 Apr22	Jun09 May31 May10	Jun21 May17 May27	Aug30 Sep10 Sep14	Sep13 Sep21 Sep26	Sep26 Oct01 Oct08	113 133 161	94 112 139	76 91 116	56 48 39
TEN SLEEP 4 NE	36 32 28	May11 Apr26 Apr11	May28 May12 Apr29	Jun14 May28 May16	Sep06 Sep11 Sep20	Sep17 Sep26 Oct07	Sep28 Oct10 Oct23	130 162 186	111 136 160	92 111 134	53 45 36
TEN SLEEP 16 SSE	36 32 28	May25 May11 Apr25	Jun12 May28 May09	Jun30 Jun14 May23	Aug16 Aug30 Sep10	Sep02 Sep13 Sep22	Sep18 Sep28 Oct03	104 127 153	81 108 135	59 88 117	66 60 52
THERMOPOLIS	36 32 28	Apr23 Apr10 Apr05	May09 Apr24 Apr16	May25 May08 Apr28	Sep19 Sep25 Oct01	Sep29 Oct06 Oct16	Oct09 Oct16 Oct31	163 186 206	142 164 182	120 142 159	56 48 41

THERMOPOLIS 25 WNW	36 32 28	Jun10 May16 Apr27	Jun26 Jun06 May19	Jul11 Jun27 Jun11	Aug16 Aug26 Sep05	Sep01 Sep09 Sep17	Sep16 Sep23 Sep30	91 119 146	66 94 120	42 69 94	65 57 49
TORRINGTON EXP FARM	36 32 28	May09 May01 Apr21	May28 May15 May03	Jun16 May30 May15	Sep04 Sep11 Sep17	Sep14 Sep20 Sep29	Sep23 Sep29 Oct11	130 143 166	108 127 148	86 110 131	58 52 43
TOWER FALLS	36 32 28	Jul21 Jul03 Jun08	Jul27 Jul18 Jul01	Aug03 Aug02 Jul23	Jul30 Jul31 Aug06	Aug03 Aug14 Aug24	Aug09 Aug29 Sep11	16 49 87	6 26 54	0 3 20	88 78 67
UPTON	36 32 28	May15 Apr30 Apr25	Jun07 May25 May09	Jun29 Jun20 May23	Aug27 Sep07 Sep09	Sep11 Sep19 Sep25	Sep26 Sep30 Oct10	125 146 160	96 115 138	67 85 116	60 53 45
WAMSUTTER	36 32 28	Jun04 May25 May07	Jun22 Jun10 May26	Jul09 Jun26 Jun14	Aug09 Aug26 Sep07	Aug30 Sep10 Sep18	Sep19 Sep26 Sep29	95 115 138	69 92 114	42 68 90	67 60 51
WESTON 1 E	36 32 28	May15 May03 Apr24	Jun06 May22 May07	Jun28 Jun09 May19	Aug31 Sep06 Sep12	Sep09 Sep17 Sep25	Sep19 Sep27 Oct08	117 139 158	95 117 141	72 95 124	59 52 43
WHEATLAND 4 N	36 32 28	May13 Apr30 Apr18	May29 May15 May01	Jun15 May30 May14	Sep04 Sep10 Sep18	Sep15 Sep21 Sep30	Sep26 Oct01 Oct12	130 147 169	108 128 151	86 109 132	53 44 35
WORLAND	36 32 28	Apr30 Apr24 Apr12	May22 May09 Apr25	Jun13 May23 May09	Sep04 Sep11 Sep18	Sep16 Sep24 Oct06	Sep28 Oct08 Oct23	141 160 187	116 138 162	92 116 138	58 51 43
WORLAND MUNICIPAL AP	36 32 28	May05 Apr24 Apr12	May22 May08 Apr24	Jun08 May23 May07	Sep06 Sep14 Sep20	Sep18 Sep28 Oct06	Sep30 Oct12 Oct21	142 165 186	118 142 163	94 119 140	56 49 42
YELLOWSTONE PARK MAMMOTH	36 32 28	Jun12 May20 Apr28	Jun30 Jun09 May21	Jul18 Jun28 Jun13	Aug08 Aug24 Sep03	Aug28 Sep10 Sep18	Sep16 Sep26 Oct03	87 121 148	58 92 119	29 64 89	67 58 47
YODER 2 WSW	36 32 28	May12 May01 Apr22	May30 May16 May05	Jun16 Jun01 May17	Aug30 Sep11 Sep16	Sep12 Sep21 Sep30	Sep25 Oct01 Oct13	129 144 169	105 127 147	81 111 125	57 48 39

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 (Aug 1 - Jul 31).  
(percent of days with temperatures at or below the threshold temperature)