

Design Temperatures For Various U.S. Cities

The following table indicates the 2% design temperature (averaged for June-August) for various cities; and the various temperatures inside conduit on rooftops exposed to direct sunlight.

The first column represents the ASHRAE 2% design temperature(1). The second through fifth column is the resultant ambient temperature inside the conduit - unloaded(2). It is the temperature the wire is subjected to.

The 6th column is the maximum dry-bulb temperature recorded for that city, based on 30 years of weather data.

		Temperatures inside conduit in direct sunlight						
		2% Design Temp	Distance above roof. Up to:				MAXIMUM Temp.	
			1/2"	3 1/2"	12"	36"		
AL	Alabama							
AL	ANNISTON METROPOLITAN AP	94	154	134	124	119	106	
AL	BIRMINGHAM	94	154	134	124	119	107	
AL	CAIRNS FIELD FORT RUCKER CENTREVILLE	95	155	135	125	120	105	
AL	DAUPHIN ISLAND	87	147	127	117	112	96	
AL	DOTHAN MUNICIPAL AP	95	155	135	125	120	104	
AL	GADSEN MUNI (AWOS) HUNTSVILLE	93	153	133	123	118	N/A	
AL	HUNTSVILLE	93	153	133	123	118	106	
AL	MAXWELL AFB	97	157	137	127	122	105	
AL	MOBILE	93	153	133	123	118	103	
AL	MONTGOMERY	95	155	135	125	120	106	
AL	MUSCLE SHOALS REGIONAL AP	95	155	135	125	120	107	
AL	TUSCALOOSA MUNICIPAL AP	95	155	135	125	120	105	
AK	Alaska							
AK	ADAK NAS	57	117	97	87	82	76	
AK	ANCHORAGE	70	130	110	100	95	83	
AK	ANCHORAGE MERRILL FIELD	72	132	112	102	97	84	
AK	ANNETTE	72	132	112	102	97	90	
AK	BARROW	56	116	96	86	81	78	
AK	BARTER IS WSO AP	55	115	95	85	80	N/A	
AK	BETHEL	70	130	110	100	95	86	
AK	BETTLES	77	137	117	107	102	94	
AK	BIG DELTA	76	136	116	106	101	93	
AK	COLD BAY	58	118	98	88	83	76	
AK	CORDOVA	69	129	109	99	94	89	
AK	DEADHORSE	65	125	105	95	90	86	
AK	DILLINGHAM (AMOS)	68	128	108	98	93	84	
AK	EIELSON AFB	80	140	120	110	105	97	
AK	ELMENDORF AFB	72	132	112	102	97	85	
AK	FAIRBANKS	79	139	119	109	104	96	
AK	FIVE FINGER ISLAND	64	124	104	94	89	77	
AK	FORT YUKON	78	138	118	108	103	96	
AK	FT RICHARDSON/BRYANT APT	73	133	113	103	98	86	
AK	GULKANA	74	134	114	104	99	90	
AK	HOMER ARPT	64	124	104	94	89	80	
AK	ILIAMNA ARPT	68	128	108	98	93	N/A	
AK	JUNEAU INT'L ARPT	72	132	112	102	97	87	
AK	KENAI MUNICIPAL AP	68	128	108	98	93	83	
AK	KETCHIKAN INTL AP	70	130	110	100	95	82	
AK	KING SALMON	70	130	110	100	95	85	
AK	KODIAK	67	127	107	97	92	84	
AK	KOTZEBUE	66	126	106	96	91	86	
AK	MCGRATH	76	136	116	106	101	90	
AK	MIDDLETON ISLAND AUT	61	121	101	91	86	76	
AK	NENANA MUNICIPAL AP	78	138	118	108	103	97	
AK	NOME	67	127	107	97	92	86	
AK	NORTHWAY AIRPORT	76	136	116	106	101	90	

AK	PORT HEIDEN (AMOS)	63	123	103	93	88		N/A
AK	SAINTMARY'S (AWOS)	70	130	110	100	95		90
AK	SEWARD	69	129	109	99	94		91
AK	SHEMYA	52	112	92	82	77		65
AK	SITKA JAPONSKI AP	64	124	104	94	89		91
AK	SOLDOTNA	70	130	110	100	95		81
AK	ST PAUL IS.	53	113	93	83	78		67
AK	TALKEETNA	75	135	115	105	100		89
AK	UNALAKLEET FIELD	67	127	107	97	92		N/A
AK	VALDEZ	58	118	98	88	83		87
AK	WHITTIER	69	129	109	99	94		82
AK	WRANGEL	70	130	110	100	95		86
AK	YAKUTAT	65	125	105	95	90		87
AZ	Arizona							
AZ	DAVIS MONTHAN AFB	104	164	144	134	129		116
AZ	DOUGLAS BISBEE-DOUGLAS IN	98	158	138	128	123		109
AZ	FLAGSTAFF	85	145	125	115	110		96
AZ	KINGMAN (AMOS)	100	160	140	130	125		112
AZ	LUKE AFB	110	170	150	140	135		124
AZ	PAGE MUNI (AMOS)	98	158	138	128	123		112
AZ	PHOENIX	110	170	150	140	135		121
AZ	PRESCOTT LOVE FIELD	93	153	133	123	118		105
AZ	SAFFORD (AMOS)	102	162	142	132	127		115
AZ	TUCSON	104	164	144	134	129		117
AZ	WINSLOW MUNICIPAL	96	156	136	126	121		112
AZ	YUMA	110	170	150	140	135		123
AR	Arkansas							
AR	BATESVILLE (AWOS)	96	156	136	126	121		109
AR	BENTONVILLE	93	153	133	123	118		106
AR	BLYTHEVILLE AFB EL	96	156	136	126	121		111
AR	DORADO GOODWIN FIELD	97	157	137	127	122		115
AR	FAYETTEVILLE DRAKE FIELD	94	154	134	124	119		108
AR	FLIPPIN (AWOS) FORT SMITH	96	156	136	126	121		N/A
AR	FT. SMITH	97	157	137	127	122		112
AR	HARRISON FAA AP	93	153	133	123	118		106
AR	JONESBORO MUNICIPAL	96	156	136	126	121		107
AR	LITTLE ROCK	97	157	137	127	122		111
AR	LITTLE ROCK AFB	98	158	138	128	123		111
AR	NORTH LITTLE ROCK	94	154	134	124	119		109
AR	PINE BLUFF FAA AP ROGERS (AWOS)	96	156	136	126	121		108
AR	STUTTGART (AWOS)	96	156	136	126	121		107
AR	TEXARKANA WEBB	97	157	137	127	122		110
AR	FIELD WALNUT RIDGE (AWOS)	94	154	134	124	119		111
CA	California							
CA	ALAMEDA NAS	79	139	119	109	104		105
CA	ARCATA	66	126	106	96	91		93
CA	BAKERSFIELD	103	163	143	133	128		114
CA	BEALE AFB	103	163	143	133	128		113
CA	BISHOP AIRPORT BLUE CANYON	100	160	140	130	125		109
CA	BLUE CANYON AP	82	142	122	112	107		97
CA	BLYTHE RIVERSIDE CO ARPT	112	172	152	142	137		126
CA	BURBANK-GLENDALE-PASADENA	94	154	134	124	119		114
CA	CAMP PENDLETON MCAS	85	145	125	115	110		112
CA	CASTLE AFB	98	158	138	128	123		111
CA	DAGGETT	108	168	148	138	133		119
CA	EDWARDS AFB	105	165	145	135	130		115
CA	EL TORO MCAS	88	148	128	118	113		100
CA	EUREKA	65	125	105	95	90		N/A
CA	FRESNO	103	163	143	133	128		113
CA	GEORGE AFB	100	160	140	130	125		113
CA	IMPERIAL	110	170	150	140	135		126
CA	LANCASTER GEN WM FOX FIEL	101	161	141	131	126		112
CA	LEMOORE REEVES NAS	102	162	142	132	127		117
CA	LONG BEACH	87	147	127	117	112		113

CA	LOS ANGELES	79	139	119	109	104		108
CA	MARCH AFB	99	159	139	129	124		114
CA	MATHER FIELD	100	160	140	130	125		116
CA	MCCLELLAN AFB	101	161	141	131	126		113
CA	MOUNT SHASTA	89	149	129	119	114		102
CA	MOUNTAIN VIEW MOFFETT FLD	84	144	124	114	109		105
CA	NORTON AFB/SAN BERN	101	161	141	131	126		115
CA	OAKLAND	77	137	117	107	102		103
CA	ONTARIO	98	158	138	128	123		115
CA	PALM SPRINGS	111	171	151	141	136		129
CA	PASO ROBLES MUNICIPAL ARP	100	160	140	130	125		117
CA	POINT ARENA	60	120	100	90	85		81
CA	POINT ARGUELLO	64	124	104	94	89		N/A
CA	POINT MUGU NF PT.PIEDRAS BLANCA	76	136	116	106	101		105
CA	RED BLUFF MUNICIPAL ARPT REDDING MUNICIPAL ARPT	103	163	143	133	128		115
CA	REDDING	104	164	144	134	129		120
CA	SACRAMENTO	99	159	139	129	124		114
CA	SACRAMENTO METROPOLITAN A	100	160	140	130	125		112
CA	SALINAS MUNICIPAL AP	76	136	116	106	101		101
CA	SAN DIEGO	80	140	120	110	105		107
CA	SAN DIEGO MIRAMAR NAS	86	146	126	116	111		112
CA	SAN DIEGO NORTH ISLAND NA	73	133	113	103	98		108
CA	SANDBERG	90	150	130	120	115		102
CA	SAN FRANCISCO	78	138	118	108	103		105
CA	SAN JOSE INTL AP	90	150	130	120	115		108
CA	SAN LUIS OBISPO SANDBERG	83	143	123	113	108		112
CA	SANTA BARBARA MUNICIPAL A	78	138	118	108	103		112
CA	SANTA MARIA	78	138	118	108	103		108
CA	STOCKTON METROPOLITAN ARP TRAVIS FIELD	99	159	139	129	124		112
CA	TRAVIS FIELD	97	157	137	127	122		114
CA	TUSTIN MCAF	88	148	128	118	113		115
CA	UKIAH MUNICIPAL AP	99	159	139	129	124		116
CA	VISALIA MUNI (AWOS)	99	159	139	129	124		109
CO	Colorado							
CO	AKRON WASHINGTON CO AP	93	153	133	123	118		106
CO	ALAMOSA	84	144	124	114	109		94
CO	AURORA BUCKLEY FIELD ANGB	91	151	131	121	116		104
CO	COLORADO SPRINGS	89	149	129	119	114		99
CO	CRAIG-MOFFAT (AMOS)	88	148	128	118	113		100
CO	DENVER	93	153	133	123	118		105
CO	DENVER/CENTENNIAL	91	151	131	121	116		102
CO	EAGLE	87	147	127	117	112		98
CO	FT. COLLINS	91	151	131	121	116		104
CO	FORT COLLINS (SAWRS)	89	149	129	119	114		100
CO	GRAND JUNCTION	96	156	136	126	121		106
CO	HAYDEN/YAMPA (AWOS)	85	145	125	115	110		N/A
CO	LA JUNTA MUNICIPAL AP	99	159	139	129	124		112
CO	LIMON	90	150	130	120	115		99
CO	PUEBLO	97	157	137	127	122		106
CO	TRINIDAD LAS ANIMAS COUNT	92	152	132	122	117		103
CY	Connecticut							
CT	BRIDGEPORT	86	146	126	116	111		103
CT	HARTFORD	90	150	130	120	115		103
CT	HARTFORD BRAINARD FD	89	149	129	119	114		N/A
DE	Delaware		60	40	30	25		
DE	DOVER AFB	91	151	131	121	116		105
DE	WILMINGTON	91	151	131	121	116		103
FL	Florida							
FL	APALACHICOLA MUNI AP	91	151	131	121	116		102
FL	CAPE SAN BLAS	86	146	126	116	111		93
FL	CRESTVIEW BOB SIKES AP	95	155	135	125	120		106
FL	CROSS CITY AIRPORT	94	154	134	124	119		N/A
FL	DAYTONA BEACH	92	152	132	122	117		102

FL	FT. LAUDERDALE	91	151	131	121	116		105
FL	FT. MYERS	93	153	133	123	118		101
FL	FT MYERS/SW FLORIDA	93	153	133	123	118		100
FL	GAINESVILLE	93	153	133	123	118		104
FL	HOMESTEAD AFB	91	151	131	121	116		99
FL	JACKSONVILLE	94	154	134	124	119		104
FL	JACKSONVILLE CECIL FLD NA	96	156	136	126	121		105
FL	JACKSONVILLE NAS	95	155	135	125	120		106
FL	JACKSONVILLE/CRAIG	93	153	133	123	118		102
FL	KEY WEST	90	150	130	120	115		95
FL	KEY WEST NAS	90	150	130	120	115		98
FL	MACDILL AFB	93	153	133	123	118		100
FL	MAYPORT NS	94	154	134	124	119		105
FL	MELBOURNE REGIONAL AP	92	152	132	122	117		102
FL	MIAMI	91	151	131	121	116		100
FL	MIAMI/KENDALL-TAMIA	92	152	132	122	117		102
FL	MOLASSES REEF	86	146	126	116	111		90
FL	NASA SHUTTLE FCLTY	92	152	132	122	117		101
FL	ORLANDO EXECUTIVE AP	93	153	133	123	118		103
FL	ORLANDO	93	153	133	123	118		101
FL	ORLANDO SANFORD AIRPORT	94	154	134	124	119		103
FL	PENSACOLA	93	153	133	123	118		105
FL	PENSACOLA REGIONAL AP	93	153	133	123	118		106
FL	SAINT PETERSBURG	93	153	133	123	118		101
FL	SARASOTA	92	152	132	122	117		103
FL	SETTLEMENT POINT	86	146	126	116	111		90
FL	ST. AUGUSTINE	89	149	129	119	114		102
FL	TALLAHASSEE	95	155	135	125	120		105
FL	TAMPA	92	152	132	122	117		99
FL	TYNDALL AFB	90	150	130	120	115		100
FL	VALPARAISO ELGIN AFB	92	152	132	122	117		103
FL	VALPARAISO HURLBURT	91	151	131	121	116		103
FL	VENICE PIER	86	146	126	116	111		N/A
FL	VERO BEACH MUNICIPAL	91	151	131	121	116		101
FL	W. PALM BEACH	91	151	131	121	116		99
FL	WHITING FIELD NAAS	94	154	134	124	119		103
GA	Georgia							
GA	ALBANY DOUGHERTY COUNTY A	96	156	136	126	121		107
GA	ATHENS	94	154	134	124	119		108
GA	ATLANTA	93	153	133	123	118		106
GA	ATLANTA/FULTON CO.	93	153	133	123	118		106
GA	AUGUSTA	96	156	136	126	121		110
GA	BRUNSWICK MALCOLM MCKINNO	92	152	132	122	117		102
GA	COLUMBUS	95	155	135	125	120		106
GA	FORT BENNING LAWSON	96	156	136	126	121		109
GA	HUNTER (AAF)	95	155	135	125	120		106
GA	MACON	96	156	136	126	121		108
GA	MARIETTA DOBBINS AFB ‘	93	153	133	123	118		106
GA	MOODY AFB/VALDOSTA	95	155	135	125	120		106
GA	ROME R B RUSSELL AP	95	155	135	125	120		105
GA	SAVANNAH	95	155	135	125	120		107
GA	VALDOSTA WB AIRPORT	95	155	135	125	120		107
GA	WARNER ROBINS AFB	97	157	137	127	122		109
GA	WAYCROSS WARE CO AP	95	155	135	125	120		108
HI	Hawaii							
HI	BARBERS POINT NAS	90	150	130	120	115		99
HI	HILO	84	144	124	114	109		93
HI	HONOLULU	89	149	129	119	114		96
HI	KAHULUI	88	148	128	118	113		98
HI	KANEOHE BAY MCAS	84	144	124	114	109		93
HI	LIHUE	84	144	124	114	109		91
HI	MOLOKAI (AMOS)	86	146	126	116	111		102
ID	Idaho							
ID	BOISE	96	156	136	126	121		109

ID	BURLEY MUNICIPAL ARPT	89	149	129	119	114		110
ID	CHALLIS (AMOS)	90	150	130	120	115		N/A
ID	COEUR D'ALENE (AWOS)	88	148	128	118	113		107
ID	ELK CITY (RAMOS)	91	151	131	121	116		104
ID	IDAHO FALLS	90	150	130	120	115		105
ID	LEWISTON NEZ PERCE CNTY A	95	155	135	125	120		110
ID	MOUNTAIN HOME AFB	98	158	138	128	123		113
ID	MULLAN (AWRS)	86	146	126	116	111		97
ID	POCATELLO	92	152	132	122	117		105
IL	Illinois							
IL	BELLEVILLE SCOTT AFB	94	154	134	124	119		106
IL	CHAMPAIGN/URBANA	92	152	132	122	117		106
IL	CHICAGO	91	151	131	121	116		104
IL	CHICAGO MIDWAY AP	91	151	131	121	116		107
IL	DECATUR AIRPORT	92	152	132	122	117		105
IL	GLENVIEW NAS	92	152	132	122	117		105
IL	MARSEILLES (AMOS)	92	152	132	122	117		106
IL	MOLINE	92	152	132	122	117		104
IL	MOUNT VERNON (AWOS)	92	152	132	122	117		103
IL	PEORIA	91	151	131	121	116		104
IL	QUINCY MUNI BALDWIN FLD	92	152	132	122	117		105
IL	ROCKFORD	90	150	130	120	115		103
IL	SPRINGFIELD	92	152	132	122	117		104
IL	STERLING ROCKFALLS	89	149	129	119	114		103
IL	W. CHICAGO/DU PAGE	90	150	130	120	115		104
IN	Indiana							
IN	EVANSVILLE	93	153	133	123	118		104
IN	FT. WAYNE	90	150	130	120	115		104
IN	GRISSOM AFB/PERU	91	151	131	121	116		106
IN	INDIANAPOLIS	90	150	130	120	115		102
IN	LAFAYETTE PURDUE UNIV AP	92	152	132	122	117		106
IN	SOUTH BEND	90	150	130	120	115		104
IN	TERRE HAUTE HULMAN REGION	92	152	132	122	117		105
IA	Iowa							
IA	ANKENY REGIONAL ARP	94	154	134	124	119		109
IA	BURLINGTON MUNICIPAL AP	93	153	133	123	118		106
IA	CEDAR RAPIDS	91	151	131	121	116		104
IA	CLINTON MUNI (AWOS)	89	149	129	119	114		100
IA	DES MOINES	91	151	131	121	116		107
IA	DUBUQUE REGIONAL AP	89	149	129	119	114		102
IA	FORT DODGE (AWOS)	90	150	130	120	115		107
IA	MASON CITY	90	150	130	120	115		106
IA	OTTUMWA INDUSTRIAL AP	92	152	132	122	117		106
IA	SIOUX CITY	92	152	132	122	117		109
IA	SPENCER	90	150	130	120	115		107
IA	WATERLOO	90	150	130	120	115		105
KS	Kansas							
KS	CONCORDIA BLOSSER MUNI AP	98	158	138	128	123		113
KS	DODGE CITY	99	159	139	129	124		111
KS	FORT RILEY MARSHALL AAF	98	158	138	128	123		110
KS	GARDEN CITY MUNICIPAL AP	98	158	138	128	123		110
KS	GOODLAND	95	155	135	125	120		107
KS	GREAT BEND (AWOS)	98	158	138	128	123		111
KS	HAYS MUNI (AWOS)	99	159	139	129	124		113
KS	LIBERAL MUNI (AWOS)	99	159	139	129	124		N/A
KS	MCCONNELL AFB	98	158	138	128	123		113
KS	MEDICINE LODGE ASOS	101	161	141	131	126		114
KS	RUSSELL MUNICIPAL AP	99	159	139	129	124		113
KS	SALINA MUNICIPAL AP	100	160	140	130	125		113
KS	TOPEKA	95	155	135	125	120		111
KS	TOPEKA FORBES	95	155	135	125	120		113
KS	WICHITA	100	160	140	130	125		113
KY	Kentucky							
KY	BOWLING GREEN WARREN CO A	92	152	132	122	117		107

KY	COVINGTON (CIN)	90	150	130	120	115		103
KY	FORT KNOX GOODMAN	92	152	132	122	117		107
KY	JACKSON JULIAN CARROLL AP	89	149	129	119	114		101
KY	LEXINGTON	90	150	130	120	115		104
KY	LOUISVILLE	92	152	132	122	117		105
KY	LOUISVILLE BOWMAN	93	153	133	123	118		107
KY	PADUCAH BARKLEY REGIONAL	94	154	134	124	119		105
LA	Louisiana							
LA	BARKSDALE AFB	95	155	135	125	120		109
LA	BATON ROUGE	93	153	133	123	118		103
LA	ENGLAND AFB	95	155	135	125	120		109
LA	FORT POLK AAF	95	155	135	125	120		106
LA	GRAND ISLE	88	148	128	118	113		95
LA	LAFAYETTE REGIONAL AP	93	153	133	123	118		103
LA	LAKE CHARLES	93	153	133	123	118		104
LA	MONROE REGIONAL AP	96	156	136	126	121		107
LA	NEW ORLEANS	93	153	133	123	118		102
LA	NEW ORLEANS ALVIN CALLEND	92	152	132	122	117		100
LA	NEW ORLEANS LAKEFRONT AP	93	153	133	123	118		103
LA	SHREVEPORT	96	156	136	126	121		108
LA	SOUTHWEST PASS	91	151	131	121	116		96
ME	Maine							
ME	AUGUSTA AIRPORT	86	146	126	116	111		101
ME	BANGOR	87	147	127	117	112		100
ME	BRUNSWICK NAS	85	145	125	115	110		100
ME	CARIBOU	83	143	123	113	108		97
ME	HOULTON INTL ARPT	85	145	125	115	110		99
ME	LORING AFB/LIMESTON	83	143	123	113	108		97
ME	MATINICUS ISLAND	66	126	106	96	91		82
ME	PORTLAND	85	145	125	115	110		103
MD	Maryland		60	40	30	25		
MD	ANDREWS AFB	93	153	133	123	118		106
MD	BALTIMORE	93	153	133	123	118		106
MD	PATUXENT RIVER NAS	91	151	131	121	116		103
MD	SALISBURY	92	152	132	122	117		103
MD	THOMAS POINT	86	146	126	116	111		97
MA	Massachusetts							
MA	BOSTON	90	150	130	120	115		104
MA	BUZZARDS BAY (LS)	74	134	114	104	99		N/A
MA	OTIS ANGB	83	143	123	113	108		97
MA	PROVINCETOWN (AWOS)	81	141	121	111	106		N/A
MA	SOUTH WEYMOUTH NAS	90	150	130	120	115		102
MA	WORCESTER	84	144	124	114	109		95
MI	Michigan							
MI	ALPENA	86	146	126	116	111		104
MI	CHIPPEWA INTL (AWOS)	81	141	121	111	106		104
MI	COPPER HARBOR RAMOS	78	138	118	108	103		N/A
MI	DETROIT CITY AIRPORT	90	150	130	120	115		104
MI	DETROIT	89	149	129	119	114		104
MI	DETROIT WILLOW RUN AP	90	150	130	120	115		103
MI	ESCANABA (AWOS)	81	141	121	111	106		97
MI	FLINT	88	148	128	118	113		101
MI	GRAND RAPIDS	88	148	128	118	113		99
MI	HANCOCK HOUGHTON CO AP	83	143	123	113	108		103
MI	HARBOR BEACH (RAMOS)	88	148	128	118	113		102
MI	HOUGHTON LAKE	85	145	125	115	110		101
MI	IRONWOOD (AWOS)	84	144	124	114	109		102
MI	JACKSON REYNOLDS FIELD	88	148	128	118	113		99
MI	LANSING	88	148	128	118	113		101
MI	MANISTEE (AWOS)	84	144	124	114	109		97
MI	MARQUETTE COUNTY ARPT	83	143	123	113	108		101
MI	MARQUETTE SAWYER AFB	84	144	124	114	109		103
MI	MOUNT CLEMENS SELFRIDGE F	89	149	129	119	114		105
MI	MUSKEGON	85	145	125	115	110		96

MI	OSCODA WURTSMITH AFB	89	149	129	119	114		105
MI	PELLSTON EMMET COUNTY AP	86	146	126	116	111		101
MI	PONTIAC-OAKLAND	88	148	128	118	113		N/A
MI	SAGINAW TRI CITY INTL AP	89	149	129	119	114		103
MI	SAULT STE.MARIE	82	142	122	112	107		98
MI	SEUL CHOIX PT (AMOS)	76	136	116	106	101		89
MI	STANNARD ROCK	73	133	113	103	98		92
MI	TRAVERSE CITY	87	147	127	117	112		101
MN	Minnesota							
MN	AITKIN NDB (AWOS)	84	144	124	114	109		96
MN	ALBERT LEA (AWOS)	87	147	127	117	112		102
MN	ALEXANDRIA MUNICIPAL AP	88	148	128	118	113		104
MN	BEMIDJI MUNICIPAL	86	146	126	116	111		98
MN	CLOQUET (AWOS)	83	143	123	113	108		97
MN	CROOKSTON MUNI FLD	85	145	125	115	110		101
MN	DULUTH	83	143	123	113	108		97
MN	ELY MUNI (AWOS)	83	143	123	113	108		108
MN	EVELETH MUNI (AWOS)	84	144	124	114	109		98
MN	FARIBAULT MUNI AWOS	88	148	128	118	113		102
MN	FERGUS FALLS (AWOS)	88	148	128	118	113		110
MN	GRAND RAPIDS (AWOS)	82	142	122	112	107		N/A
MN	HIBBING	84	144	124	114	109		97
MN	INTERNATIONAL FALLS	85	145	125	115	110		101
MN	LITCHFIELD MUNI	88	148	128	118	113		N/A
MN	LITTLE FALLS (AWOS)	89	149	129	119	114		102
MN	MANKATO	87	147	127	117	112		N/A
MN	MINNEAPOLIS	90	150	130	120	115		106
MN	MONTEVIDEO (AWOS)	88	148	128	118	113		103
MN	MORA MUNI (AWOS)	87	147	127	117	112		N/A
MN	MORRIS MUNI (AWOS)	87	147	127	117	112		100
MN	NEW ULM MUNI (AWOS)	89	149	129	119	114		105
MN	OWATONNA (AWOS)	88	148	128	118	113		104
MN	PASSAGE ISLAND	65	125	105	95	90		N/A
MN	PEQUOT LAKE (AMOS)	88	148	128	118	113		107
MN	PIPESTONE (AWOS)	87	147	127	117	112		102
MN	REDWOOD FALLS MUNI	91	151	131	121	116		106
MN	ROCHESTER	87	147	127	117	112		103
MN	ROSEAU MUNI (AWOS)	83	143	123	113	108		N/A
MN	ST. CLOUD	88	148	128	118	113		103
MN	THIEF RIVER (AWOS)	84	144	124	114	109		N/A
MN	TOFTE (RAMOS)	76	136	116	106	101		95
MN	WARROAD (AMOS)	86	146	126	116	111		114
MN	WHEATON NDB (AWOS)	87	147	127	117	112		101
MN	WILLMAR	87	147	127	117	112		101
MN	WINONA MUNI (AWOS)	90	150	130	120	115		N/A
MN	WORTHINGTON (AWOS)	87	147	127	117	112		N/A
MS	Mississippi							
MS	COLUMBUS AFB	96	156	136	126	121		107
MS	COLUMBUS GOLDEN TRIANGLE	95	155	135	125	120		109
MS	GREENWOOD LEFLORE ARPT	95	155	135	125	120		109
MS	JACKSON	95	155	135	125	120		107
MS	KEESLER AFB	93	153	133	123	118		105
MS	MCCOMB PIKE COUNTY AP	94	154	134	124	119		105
MS	MERIDAN	95	155	135	125	120		107
MS	MERIDIAN NAAS	96	156	136	126	121		108
MS	PINE BELT RGNL AWOS	95	155	135	125	120		109
MS	TUPELO C D LEMONS ARPT	95	155	135	125	120		109
MO	Missouri							
MO	CAPE GIRARDEAU MUNICIPAL	94	154	134	124	119		106
MO	COLUMBIA	93	153	133	123	118		110
MO	JOPLIN MUNICIPAL AP	93	153	133	123	118		109
MO	KAISER MEM (AWOS)	94	154	134	124	119		N/A
MO	KANSAS CITY	94	154	134	124	119		111
MO	KANSAS CITY DOWNTOWN AP	96	156	136	126	121		112

MO	KIRKSVILLE REGIONAL AP	93	153	133	123	118		107
MO	POPLAR BLUFF (AMOS)	93	153	133	123	118		110
MO	SPICKARD (AMOS)	94	154	134	124	119		N/A
MO	SPRINGFIELD	93	153	133	123	118		108
MO	ST LOUIS SPIRIT OF ST LOU	94	154	134	124	119		106
MO	ST. LOUIS	94	154	134	124	119		107
MO	WHITEMAN AFB	95	155	135	125	120		109
MT	Montana							
MT	BILLINGS	92	152	132	122	117		107
MT	BOZEMAN	89	149	129	119	114		104
MT	BUTTE BERT MOONEY ARPT	86	146	126	116	111		99
MT	CUT BANK	85	145	125	115	110		102
MT	GLASGOW	92	152	132	122	117		107
MT	GLENDIVE (AWOS)	91	151	131	121	116		106
MT	GREAT FALLS	90	150	130	120	115		105
MT	HAVRE CITY-COUNTY AP	93	153	133	123	118		109
MT	HELENA	90	150	130	120	115		105
MT	JORDAN (RAMOS)	95	155	135	125	120		112
MT	KALISPELL	87	147	127	117	112		101
MT	LEWISTOWN	86	146	126	116	111		102
MT	MALMSTROM AFB	91	151	131	121	116		108
MT	MILES CITY MUNICIPAL ARPT	97	157	137	127	122		112
MT	MISSOULA	90	150	130	120	115		104
MT	SIDNEY-RICHLAND	90	150	130	120	115		N/A
NE	Nebraska							
NE	BELLEVUE OFFUTT AFB	94	154	134	124	119		111
NE	COLUMBUS MUNI (AWOS)	91	151	131	121	116		105
NE	GRAND ISLAND	95	155	135	125	120		111
NE	KEARNEY MUNI (AWOS)	92	152	132	122	117		107
NE	LINCOLN	96	156	136	126	121		112
NE	NORFOLK	94	154	134	124	119		110
NE	NORTH PLATTE	94	154	134	124	119		109
NE	OMAHA	94	154	134	124	119		111
NE	OMAHA EPPLEY AIRFIELD	94	154	134	124	119		110
NE	SCOTTSDLUFF	95	155	135	125	120		109
NE	SIDNEY MUNICIPAL AP	94	154	134	124	119		110
NE	VALENTINE MILLER FIELD	95	155	135	125	120		114
NV	Nevada							
NV	CALIENTE (AMOS)	98	158	138	128	123		N/A
NV	ELKO	94	154	134	124	119		108
NV	ELY	89	149	129	119	114		100
NV	FALLON NAAS	98	158	138	128	123		N/A
NV	LAS VEGAS	107	167	147	137	132		118
NV	LOVELOCK DERBY FIELD	97	157	137	127	122		108
NV	NELLIS AFB	109	169	149	139	134		120
NV	RENO	94	154	134	124	119		104
NV	TONOPAH	94	154	134	124	119		104
NV	WINNEMUCCA	96	156	136	126	121		109
NH	New Hampshire							
NH	CONCORD	89	149	129	119	114		102
NH	ISLE OF SHOALS (LS)	80	140	120	110	105		96
NH	LEBANON	87	147	127	117	112		100
NH	MANCHESTER	91	151	131	121	116		108
NH	MOUNT WASHINGTON	60	120	100	90	85		72
NH	PEASE AFB/PORTSMOUT	88	148	128	118	113		100
NJ	New Jersey							
NJ	ATLANTIC CITY	90	150	130	120	115		103
NJ	MCGUIRE AFB	92	152	132	122	117		106
NJ	MILLVILLE MUNICIPAL AP	91	151	131	121	116		103
NJ	NEWARK	92	152	132	122	117		106
NJ	TETERBORO AIRPORT	91	151	131	121	116		104
NM	New Mexico							
NM	ALBUQUERQUE	95	155	135	125	120		107
NM	CARLSBAD CAVERN CITY AIR	102	162	142	132	127		117

NM	CLAYTON MUNICIPAL AIRPARK C	93	153	133	123	118		105
NM	LOVIS CANNON AFB	96	156	136	126	121		111
NM	FARMINGTON	94	154	134	124	119		107
NM	GALLUP	90	150	130	120	115		102
NM	HOLLOMAN AFB	98	158	138	128	123		111
NM	ROSWELL INDUSTRIAL AIR PA	99	159	139	129	124		112
NM	TAOS	86	146	126	116	111		N/A
NM	TRUTH OR CONSEQUENCES MUN	97	157	137	127	122		111
NM	TUCUMCARI	98	158	138	128	123		109
NM	WHITE SANDS TEST RG	98	158	138	128	123		110
NY	New York							
NY	ALBANY	87	147	127	117	112		100
NY	BINGHAMTON	84	144	124	114	109		98
NY	BUFFALO	85	145	125	115	110		97
NY	DUNKIRK	80	140	120	110	105		99
NY	ELMIRA CORNING REGIONAL A	89	149	129	119	114		104
NY	FORT DRUM/WHEELER	85	145	125	115	110		97
NY	GALLOO ISLAND	77	137	117	107	102		90
NY	GLENS FALLS	87	147	127	117	112		101
NY	GRIFFISS AFB	88	148	128	118	113		100
NY	ISLIP, LI	87	147	127	117	112		104
NY	JAMESTOWN (AWOS)	82	142	122	112	107		99
NY	MASSENA AP	87	147	127	117	112		99
NY	NYC, JFK	88	148	128	118	113		104
NY	NYC, LGA	91	151	131	121	116		104
NY	NIAGARA FALLS AF	87	147	127	117	112		99
NY	PLATTSBURGH AFB	85	145	125	115	110		100
NY	POUGHKEEPSIE DUTCHESS CO	90	150	130	120	115		107
NY	ROCHESTER	87	147	127	117	112		100
NY	STEWART FIELD	88	148	128	118	113		105
NY	SYRACUSE	87	147	127	117	112		101
NY	UTICA ONEIDA COUNTY AP	86	146	126	116	111		98
NY	WATERTOWN AP	84	144	124	114	109		97
NY	WHITE PLAINS	89	149	129	119	114		103
NC	North Carolina							
NC	ASHEVILLE	87	147	127	117	112		98
NC	CAPE HATTARAS	87	147	127	117	112		97
NC	CAPE LOOKOUT	84	144	124	114	109		91
NC	CHARLOTTE	90	150	130	120	115		105
NC	CHERRY POINT MCAS	92	152	132	122	117		106
NC	DIAMOND SHOALS (LS)	83	143	123	113	108		88
NC	FAYETTEVILLE POPE AFB	96	156	136	126	121		109
NC	FORT BRAGG SIMMONS AAF	96	156	136	126	121		109
NC	FRYING PAN SHOALS	84	144	124	114	109		88
NC	GOLDSBORO SEYMOUR JOHNSON	95	155	135	125	120		108
NC	GREENSBORO	92	152	132	122	117		103
NC	HICKORY REGIONAL AP	92	152	132	122	117		106
NC	NEW BERN CRAVEN CO REGL A	93	153	133	123	118		104
NC	NEW RIVER MCAF	93	153	133	123	118		104
NC	RALEIGH/DURHAM	93	153	133	123	118		105
NC	SOUTHERN PINES AWOS	66	126	106	96	91		N/A
NC	WILMINGTON	92	152	132	122	117		104
NC	WINSTON-SALEM REYNOLDS AP	91	151	131	121	116		103
ND	North Dakota							
ND	BISMARCK	92	152	132	122	117		110
ND	DEVILS LAKE (AMOS)	88	148	128	118	113		106
ND	DICKINSON MUNICIPAL AP	91	151	131	121	116		110
ND	FARGO	90	150	130	120	115		107
ND	GRAND FORKS	90	150	130	120	115		109
ND	GRAND FORKS INTERNATIONAL	89	149	129	119	114		109
ND	JAMESTOWN MUNICIPAL ARPT	91	151	131	121	116		107
ND	LIDGERWOOD (RAMOS)	91	151	131	121	116		112
ND	MINOT	90	150	130	120	115		107
ND	MINOT AFB	91	151	131	121	116		109

ND	WILLISTON SLOULIN INTL AP	93	153	133	123	118		110
OH	Ohio							
OH	AKRON/CANTON	87	147	127	117	112		110
OH	CINCINNATI MUNICIPAL AP L	92	152	132	122	117		105
OH	CLEVELAND	88	148	128	118	113		102
OH	COLUMBUS	90	150	130	120	115		102
OH	COLUMBUS RICKENBACKE	91	151	131	121	116		117
OH	DAYTON	90	150	130	120	115		103
OH	DAYTON WRIGHT PATTERSON A	91	151	131	121	116		104
OH	FINDLAY AIRPORT	89	149	129	119	114		102
OH	MANSFIELD	87	147	127	117	112		99
OH	TOLEDO	89	149	129	119	114		104
OH	YOUNGSTOWN	87	147	127	117	112		99
OH	ZANESVILLE MUNICIPAL	89	149	129	119	114		103
OK	Oklahoma							
OK	ALTUS AFB	102	162	142	132	127		117
OK	FORT SILL POST FIELD AF	99	159	139	129	124		113
OK	GAGE AIRPORT	99	159	139	129	124		109
OK	HOBART MUNICIPAL AP	101	161	141	131	126		116
OK	MCALESTER MUNICIPAL AP	97	157	137	127	122		113
OK	OKLAHOMA CITY	98	158	138	128	123		112
OK	OKLAHOMA CITY TINKER AFB	98	158	138	128	123		111
OK	OKLAHOMA CITY/WILEY	98	158	138	128	123		112
OK	PONCA CITY MUNICIPAL AP	99	159	139	129	124		116
OK	TULSA	98	158	138	128	123		113
OK	VANCE AFB/ENID	99	159	139	129	124		113
OR	Oregon							
OR	ASTORIA	72	132	112	102	97		97
OR	BAKER MUNICIPAL AP	91	151	131	121	116		109
OR	BURNS	90	150	130	120	115		101
OR	BURNS MUNICIPAL ARPT	90	150	130	120	115		101
OR	CAPE ARAGO (LS)	64	124	104	94	89		87
OR	CORVALLIS	89	149	129	119	114		107
OR	EUGENE	89	149	129	119	114		108
OR	KLAMATH FALLS INTL AP	89	149	129	119	114		106
OR	MEACHAM	85	145	125	115	110		103
OR	MEDFORD	97	157	137	127	122		113
OR	NEWPORT STATE BEACH	62	122	102	92	87		100
OR	NORTH BEND	68	128	108	98	93		94
OR	PENDLETON	94	154	134	124	119		110
OR	PORTLAND	88	148	128	118	113		109
OR	PORTLAND/HILLSBOR	89	149	129	119	114		107
OR	REDMOND	91	151	131	121	116		106
OR	SALEM	89	149	129	119	114		109
OR	SEXTON SUMMIT	81	141	121	111	106		97
PA	Pennsylvania							
PA	ALLENTOWN	90	150	130	120	115		102
PA	ALTOONA BLAIR CO ARPT	88	148	128	118	113		102
PA	BRADFORD	82	142	122	112	107		95
PA	BUTLER CO. (AWOS)	87	147	127	117	112		N/A
PA	DUBOIS FAA AP	85	145	125	115	110		99
PA	ERIE	85	145	125	115	110		99
PA	HARRISBURG	92	152	132	122	117		107
PA	JOHNSTOWN CAMBRIA COUNTY	84	144	124	114	109		100
PA	MIDDLETOWN HARRISBURG INT	92	152	132	122	117		108
PA	PHILADELPHIA	92	152	132	122	117		105
PA	PHILADELPHIA NE	92	152	132	122	117		105
PA	PITTSBURGH	88	148	128	118	113		102
PA	PITTSBURGH ALLEGHENY CO A	89	149	129	119	114		101
PA	READING SPAATZ FIELD	90	150	130	120	115		N/A
PA	WASHINGTON (AWOS)	88	148	128	118	113		N/A
PA	WILKES-BARRE/S	87	147	127	117	112		100
PA	WILLIAMSPORT	89	149	129	119	114		103
PA	WILLOW GROVE NAS	92	152	132	122	117		103

RI	Rhode Island							
RI	BLOCK ISLAND STATE ARPT	80	140	120	110	105		94
RI	PROVIDENCE	88	148	128	118	113		105
SC	South Carolina							
SC	ANDERSON COUNTY AP	94	154	134	124	119		105
SC	BEAUFORT	94	154	134	124	119		108
SC	CHARLESTON	93	153	133	123	118		104
SC	COLUMBIA	96	156	136	126	121		108
SC	FLORENCE REGIONAL AP	95	155	135	125	120		107
SC	FOLLY BEACH	87	147	127	117	112		99
SC	GREENVILLE	93	153	133	123	118		105
SC	MYRTLE BEACH	91	151	131	121	116		106
SC	SUMTER SHAW AFB	95	155	135	125	120		108
SD	South Dakota							
SD	ABERDEEN REGIONAL ARPT	91	151	131	121	116		109
SD	BROOKINGS (AWOS)	87	147	127	117	112		101
SD	ELLSWORTH AFB	94	154	134	124	119		113
SD	HURON	93	153	133	123	118		111
SD	MITCHELL (AWOS)	90	150	130	120	115		105
SD	MOBRIDGE	92	152	132	122	117		108
SD	PIERRE	97	157	137	127	122		116
SD	RAPID CITY	93	153	133	123	118		110
SD	SIOUX FALLS	92	152	132	122	117		112
SD	WATERTOWN MUNICIPAL AP	89	149	129	119	114		N/A
SD	YANKTON (AWOS)	90	150	130	120	115		107
TN	Tennessee							
TN	BRISTOL	88	148	128	118	113		101
TN	CHATTANOOGA	94	154	134	124	119		106
TN	CROSSVILLE MEMORIAL AP	88	148	128	118	113		101
TN	DYERSBURG MUNICIPAL AP	93	153	133	123	118		104
TN	FORT CAMPBELL AAF	94	154	134	124	119		106
TN	JACKSON MCKELLAR-SIPES RE	94	154	134	124	119		104
TN	KNOXVILLE	91	151	131	121	116		103
TN	MEMPHIS	95	155	135	125	120		107
TN	MEMPHIS NAS	96	156	136	126	121		107
TN	NASHVILLE	93	153	133	123	118		106
TX	Texas							
TX	ABILENE	98	158	138	128	123		111
TX	ABILENE DYESS AFB	101	161	141	131	126		113
TX	ALICE INTL AP AMARILLO	99	159	139	129	124		115
TX	AMARILLO	96	156	136	126	121		110
TX	AUSTIN	98	158	138	128	123		109
TX	BEEVILLE CHASE NAAS	99	159	139	129	124		111
TX	BERGSTROM AFB/AUSTI	99	159	139	129	124		110
TX	BROWNSVILLE	95	155	135	125	120		105
TX	CHILDRESS MUNICIPAL AP	100	160	140	130	125		119
TX	COLLEGE STATION EASTERWOO	98	158	138	128	123		112
TX	CORPUS CHRISTI	95	155	135	125	120		106
TX	CORPUS CHRISTI NAS	92	152	132	122	117		106
TX	COTULLA FAA AP	102	162	142	132	127		N/A
TX	DALHART MUNICIPAL AP	96	156	136	126	121		109
TX	DALLAS HENSLEY FIELD NAS	98	158	138	128	123		110
TX	DALLAS LOVE FIELD	99	159	139	129	124		112
TX	DALLAS/FT. WORTH	99	159	139	129	124		113
TX	DEL RIO INTERNATIONAL AP	101	161	141	131	126		111
TX	DEL RIO LAUGHLIN AFB	103	163	143	133	128		116
TX	EL PASO	100	160	140	130	125		114
TX	FORT WORTH MEACHAM	100	160	140	130	125		113
TX	FORT WORTH NAS	99	159	139	129	124		110
TX	FORT WORTH/ALLIANCE	90	150	130	120	115		115
TX	GALVESTON	90	150	130	120	115		104
TX	HARLINGEN RIO GRANDE VALL	98	158	138	128	123		107
TX	HONDO MUNICIPAL AP	99	159	139	129	124		110
TX	HOUSTON	96	156	136	126	121		108

TX	HOUSTON ELLINGTON AFB	95	155	135	125	120		107
TX	HOUSTON WILLIAM P HOBBY A	94	154	134	124	119		106
TX	JUNCTION KIMBLE COUNTY AP	99	159	139	129	124		110
TX	KILLEEN MUNI (AWOS)	99	159	139	129	124		107
TX	KINGSVILLE	97	157	137	127	122		107
TX	LAREDO INTL AP	101	161	141	131	126		113
TX	LUBBOCK LUFKIN	97	157	137	127	122		112
TX	MARFA AP	93	153	133	123	118		105
TX	MCALLEN MILLER INTL AP	99	159	139	129	124		117
TX	MIDLAND/ODESSA	99	159	139	129	124		113
TX	PALACIOS MUNICIPAL AP	91	151	131	121	116		104
TX	PINE SPRINGS GUADALUPE MO	92	152	132	122	117		107
TX	PORT ARANSAS	85	145	125	115	110		95
TX	PORT ARTHUR	93	153	133	123	118		104
TX	RANDOLPH AFB	98	158	138	128	123		111
TX	REESE AFB	99	159	139	129	124		116
TX	ROBERT GRAY AAF	99	159	139	129	124		109
TX	SABINE	87	147	127	117	112		95
TX	SAN ANGELO	99	159	139	129	124		112
TX	SAN ANTONIO	97	157	137	127	122		110
TX	SAN ANTONIO KELLY FIELD A	99	159	139	129	124		111
TX	SANDERSON (RAMOS)	97	157	137	127	122		112
TX	STEPHENVILLE CLARK FIELD	96	156	136	126	121		107
TX	TEMPLE/MILLER (AWOS)	98	158	138	128	123		110
TX	VICTORIA	95	155	135	125	120		108
TX	WACO	100	160	140	130	125		111
TX	WICHITA FALLS	101	161	141	131	126		116
TX	WINK WINKLER COUNTY AP	102	162	142	132	127		117
UT	Utah							
UT	CEDAR CITY	93	153	133	123	118		102
UT	OGDEN HILL AFB	92	152	132	122	117		105
UT	PRICE/CARBON (RAMOS)	91	151	131	121	116		100
UT	SALT LAKE CITY	96	156	136	126	121		107
UT	WENDOVER USAF AUXILIARY F	95	155	135	125	120		107
VT	Vermont		60	40	30	25		
VT	BURLINGTON	87	147	127	117	112		102
VT	MONTPELIER	84	144	124	114	109		100
VT	RUTLAND	83	143	123	113	108		98
VA	Virginia							
VA	DAVISON AAF	95	155	135	125	120		108
VA	LANGLEY AFB	92	152	132	122	117		104
VA	LYNCHBURG	91	151	131	121	116		103
VA	MANASSAS MUNI (AWOS)	92	152	132	122	117		N/A
VA	NEWPORT NEWS	93	153	133	123	118		105
VA	NORFOLK	93	153	133	123	118		105
VA	OCEANA NAS	92	152	132	122	117		103
VA	PETERSBURG (AWOS)	97	157	137	127	122		109
VA	QUANTICO MCAS	92	152	132	122	117		105
VA	RICHMOND	94	154	134	124	119		105
VA	ROANOKE	88	148	128	118	113		105
VA	WASHINGTON, DC	93	153	133	123	118		105
VA	WASHINGTON-DULLES INTL AP	92	152	132	122	117		105
WA	Washington							
WA	BELLINGHAM INTL AP	78	138	118	108	103		95
WA	BREMERTON NTNL AWOS	84	144	124	114	109		104
WA	DESTRUCTION ISLAND	63	123	103	93	88		78
WA	FAIRCHILD AFB	89	149	129	119	114		105
WA	GRAY AAF	84	144	124	114	109		102
WA	HANFORD	99	159	139	129	124		114
WA	KELSO WB AP	83	143	123	113	108		N/A
WA	OLYMPIA	85	145	125	115	110		105
WA	PASCO	97	157	137	127	122		117
WA	PORT ANGELES INTL	77	137	117	107	102		N/A
WA	PULLMAN/MOSCOW RGNL	90	150	130	120	115		106

WA	QUILLAYUTE	76	136	116	106	101		102
WA	SEATTLE BOEING FIELD	84	144	124	114	109		101
WA	SEATTLE/TACOMA	83	143	123	113	108		103
WA	SPOKANE	90	150	130	120	115		105
WA	SPOKANE/FELTS FIELD	93	153	133	123	118		107
WA	STAMPEDE PASS	75	135	115	105	100		92
WA	TACOMA MCCHORD AFB	84	144	124	114	109		101
WA	TATOOSH ISLAND	62	122	102	92	87		79
WA	WALLA WALLA	97	157	137	127	122		114
WA	WENATCHEE/PANGBORN	93	153	133	123	118		107
WA	WEST POINT (LS)	69	129	109	99	94		82
WA	WHIDBEY ISLAND NAS	71	131	111	101	96		88
WA	YAKIMA	94	154	134	124	119		107
WV	West Virginia							
WV	BECKLEY RALEIGH CO MEM AP	84	144	124	114	109		96
WV	BLUEFIELD/MERCER CO	83	143	123	113	108		98
WV	CHARLESTON	90	150	130	120	115		102
WV	ELKINS	85	145	125	115	110		98
WV	HUNTINGTON	90	150	130	120	115		102
WV	MARTINSBURG	93	153	133	123	118		108
WV	MORGANTOWN	89	149	129	119	114		101
WV	PARKERSBURG WOOD COUNTY A	90	150	130	120	115		104
WI	Wisconsin							
WI	DEVIL`S ISLAND	77	137	117	107	102		96
WI	EAU CLAIRE	89	149	129	119	114		105
WI	GREEN BAY	87	147	127	117	112		102
WI	LA CROSSE	91	151	131	121	116		108
WI	MADISON	89	149	129	119	114		104
WI	MANITOWAC MUNI AWOS	83	143	123	113	108		N/A
WI	MILWAUKEE	91	151	131	121	116		105
WI	PARK FALLS MUNI	83	143	123	113	108		N/A
WI	PHILLIPS/PRICE CO.	84	144	124	114	109		N/A
WI	SHEBOYGAN	82	142	122	112	107		99
WI	WAUSAU	87	147	127	117	112		103
WY	Wyoming							
WY	BIG PINEY	83	143	123	113	108		94
WY	CASPER	92	152	132	122	117		103
WY	CHEYENNE	87	147	127	117	112		99
WY	CODY MUNI (AWOS)	89	149	129	119	114		102
WY	GILLETTE (AMOS)	93	153	133	123	118		107
WY	JACKSON HOLE (AWOS)	81	141	121	111	106		95
WY	LANDER	90	150	130	120	115		102
WY	LARAMIE GENERAL BREES FIE	83	143	123	113	108		96
WY	ROCK SPRINGS ARPT	86	146	126	116	111		98
WY	WORLAND MUNICIPAL	96	156	136	126	121		110
WY	YELLOWSTONE LAKE (RAMOS)	75	135	115	105	100		N/A
WY	SHERIDAN	92	152	132	122	117		107

Footnotes:

1. ASHRAE bases its 'warm-season temperature conditions' for each city on annual percentiles of 0.4%, 1.0% and 2.0%. As an example, the June 2.0% dry-bulb design temperature for Atlanta is 91.7F. Therefore, based on a 30-day month (i.e. 720 hours), the actual temperatures can be expected to exceed 91.7F a total of 14 hours a month. The corresponding 1.0% design temperature (93.1F) can be expected to be exceeded for 7 hours a month; while the 0.4% design temperature (94.6F) can be expected to be exceeded for 3 hours a month.

2. Calculations shown in the table are based on ASHRAE 2% design temperatures for 30 years of data*, and CDA research covering three years of monitoring air temperatures inside rooftop conduits.** The table uses the average of the June through August dry-bulb design temperatures—generally the hottest months of the year—in calculating the design temperatures in this table. All temperatures are rounded to the nearest whole number. The results can then be used to apply the correction factors in Table 310.16 of the National Electrical Code.

*ASHRAE has compiled 30 years of dry-bulb design temperature data in the 2005 ASHRAE Handbook of Fundamentals (The American Society of Heating, Refrigerating and Air-Conditioning Engineers. Chapter 28, Climatic Design Information Appendix Section 28.12). The table covers all of the U.S. weather station locations included in the ASHRAE Handbook. The complete Handbook can be ordered directly from ASHRAE at www.ASHRAE.org.

**The research is described in an article written for the International Association of Electrical Inspectors—IAEI News, Effect of Rooftop Exposure on Ambient Temperatures inside Conduits, January-February, 2006—included elsewhere on this website.