DECEMBER 2007
LOCAL CLIMATOLOGICAL DATA
NOAA, National Climatic Data Center

ABILENE, TX
ABILENE REGIONAL AIRPORT (KABI)
Lat:32 ° 24'N Long: 99 ° 40'W Elev (Ground) 1786 Feet
Time Zone : CENTRAL WBAN: 13962 ISSN#: 0198-4896

Date	Temperature °F MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	Deg Days BASE 65° HEATING	COOLING	WEATHER	SNOW/ICE ON GND(IN) 0600 LST DEPTH	1200 LST WATER-EQUIV	PRECIPITIATION ON GND(IN) 2400 LST SNOW-FALL	2400 LST WATER EQUIV	PRESSURE (INCHES OF HG) AVERAGE STATION	AVERAGE SEA LEVEL	WIND SPEED = MPH DIR = TENS OF DEGREES RESULTANT SPEED	RES DIR	AVERAGE SPEED	MAXIMUM 5-SEC SPEED	DIR	2-MIN SPEED	DIR	Date
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
01	77	61	69*	20	61	63	0	4	BR	0		0.0	0.00	28.01	29.84	19.8	17	19.5	37	17	30	16	01
02	73	35	54	6	41	51	11	0		0		0.0	0.00	28.36	30.16	8.6	32	12.2	37	29	31	30	02
03	59	27	43	-5	26	37	22	0		0		0.0	0.00	28.53	30.46	3.1	19	5.5	14	22	12	21	03
04	73	40	57	9	29	43	8	0		0		0.0	0.00	28.11	30.03	5.6	22	6.9	16	24	15	23	04
05	72	38	55	8	34	44	10	0		0		0.0	0.00	28.09	29.95	4.9	02	6.9	21	02	16	03	05
06	73	35	54	7	41	47	11	0		0		0.0	0.00	28.01	29.89	9.6	19	11.5	33	19	28	20	06
07	80*	56	68	21	49	56	0	3		0		0.0	0.00	28.01	29.85	12.4	21	13.3	30	19	23	23	07
08	63	40	52	5			13	0	BR	0		0.0	0.00	28.15		5.7	36	8.1	21	21	17	21	08
09	41	30	36	-11	33	34	29	0	RA FZRA BR UP	0		0.0	0.01	28.35	30.23			15.0	22	36	21	01	09
10	42	31	37	-9			28	0	RA FZRA BR	0		0.0	T	28.21		4.3	05	6.4	14	36	13	34	10
11	55	35	45	-1	42	43	20	0	RA BR	0		0.0	0.19	28.22	30.09	4.5	36	11.2	32	31	26	31	11
12	38	32	35	-11	31	33	30	0	RA DZ	0		0.0	0.14	28.35	30.27	8.1	36	10.0	26	01	22	01	12
13	62	29	46	0	33	39	19	0	BR	0		0.0	0.00	28.27	30.18	1.2	15	5.9	14	06	12	31	13
14	46	38	42	-3			23	0	RA BR	0		0.0	0.02	28.12		5.5	08	7.4	20	35	17	34	14
15	42	27	35*	-10	26	32	30	0	RA SN BR	0		T	0.01	28.30	30.18	15.4	32	16.6	37	32	31	32	15
16	51	20*	36	-9	20	30	29	0		0		0.0	0.00	28.38	30.29	5.5	18	6.5	20	21	16	21	16
17	55	30	43	-2	21	34	22	0		0		0.0	0.00	28.25	30.18	13.5	18	13.9	31	19	26	18	17
18	72	39	56	11	28	42	9	0		0		0.0	0.00	28.20	30.08	7.6	23	10.5	29	20	24	20	18
19	69	35	52	7	36	44	13	0		0		0.0	0.00	28.09	29.98	7.5	19	8.8	21	19	17	20	19
20	66	42	54	10	27	41	11	0		0		0.0	0.00	28.03	29.91	4.2	28	9.7	23	30	20	29	20
21	74	42	58	14	29	44	7	0		0		0.0	0.00	27.86	29.72	13.0	18	14.4	35	20	30	20	21
22	60	25	43	-1	24	34	22	0	RA	0		0.0	T	28.23	30.06	13.7	31	15.3	39*	34	32*	31	22
23	58	21	40	-4	16	32	25	0		0		0.0	0.00	28.28	30.20	11.0	20	11.6	28	20	23	20	23
24	53	24	39	-5	21	31	26	0		0		0.0	0.00	28.28	30.21	1.8	33	7.6	23	34	17	35	24
25	64	29	47	3	24	37	18	0		0		0.0	0.00	28.02	29.93	11.4	16	12.7	30	17	24	18	25
26	47	26	37	-7	27	33	28	0	SN	0		T	T	28.09	29.98	9.5	33	12.5	32	32	29	34	26
27	53	25	39	-5	28	33	26	0	BR	0		0.0	0.00	27.96	29.86	8.8	12	11.0	31	16	25	15	27
28	46	27	37	-6	19	29	28	0		0		0.0	0.00	28.22	30.12	5.3	31	8.7	21	33	18	33	28
29	56	28	42	-1	21	34	23	0		0		0.0	0.00	28.14	30.05	6.1	18	7.3	23	21	20	21	29
30	62	28	45	2	18	34	20	0		0		0.0	0.00	28.11	30.01	6.1	26	9.3	33	29	25	30	30
31	53	29	41	-2	15	33	24	0		0		0.0	0.00	28.35	30.19	7.6	35	11.3	28	02	23	01	31
	59.2	33.0	46.1	¤	29.3	38.8	18.9	0.2	< MONTHLY AVERAGES | TOTALS >			T	0.37	28.18	30.07	2.2	22	10.6	< MONTHLY AVERAGES				
	2.3	-0.9	0.7		<---------- DEPARTURE FROM NORMAL ---------->								-0.90	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									

DEGREE DAYS

	MONTHLY TOTAL	MONTHLY DEPARTURE	SEASON TO DATE TOTAL	SEASON TO DATE DEPARTURE
HEATING :	585	-23	923	-149
COOLING :	7	6	2229	-157

GREATEST 24-HR PRECIPITATION : 0.28 DATE : 11-12
GREATEST 24-HR SNOWFALL : T DATE : 26+
GREATEST SNOW DEPTH : 0 DATE :

SEA LEVEL PRESSURE		DATE	TIME
MAXIMUM :	30.66	03	1010
MIMIMUM :	29.59	21	2312

NUMBER OF DAYS WITH ->

MAXIMUM TEMP >= 90 :	0	MINIMUM TEMP <= 32 :	18	PRECIPITATION >= 0.01 INCH:	5
MAXIMUM TEMP <= 32 :	0	MINIMUM TEMP <= 0 :	0	PRECIPITATION >= 0.10 INCH:	2
THUNDERSTORMS :	0	HEAVY FOG :	0	SNOWFALL >= 1.0 INCH :	0

HOURLY PRECIPITATION
(WATER EQUIVALENT IN INCHES)

ABILENE, TX (KABI)
DECEMBER 2007

WBAN # 13962

Date	FOR HOUR (LST) ENDING AT												Date	FOR HOUR (LST) ENDING AT												Date	Sum of Hourly Data	2400 LST Water Equiv.
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24			
01													01													01	0.00	0.00
02													02													02	0.00	0.00
03													03													03	0.00	0.00
04													04													04	0.00	0.00
05													05													05	0.00	0.00
06													06													06	0.00	0.00
07													07													07	0.00	0.00
08													08													08	0.00	0.00
09				T	T	T	T	T	T	T	T	T	09	T	T	T	T	T	T	T	T	T	0.01	T		09	0.01	0.01
10		T	T	T		T	T	T		T	T	T	10													10	T	T
11				0.01	T	0.03	0.01		T	T			11	0.08	0.06											11	0.19	0.19
12		0.01	T	T	0.08	0.01	0.01	0.01	T	0.01	0.01	T	12													12	0.14	0.14
13													13													13	0.00	0.00
14													14					0.01	0.01				T	T	T	14	0.02	0.02
15	0.01	T											15													15	0.01	0.01
16													16													16	0.00	0.00
17													17													17	0.00	0.00
18													18													18	0.00	0.00
19													19													19	0.00	0.00
20													20													20	0.00	0.00
21													21													21	0.00	0.00
22											T	T	22													22	T	T
23													23													23	0.00	0.00
24													24													24	0.00	0.00
25													25													25	0.00	0.00
26								T					26													26	T	T
27													27													27	0.00	0.00
28													28													28	0.00	0.00
29													29													29	0.00	0.00
30													30													30	0.00	0.00
31													31													31	0.00	0.00

*** Indicates sum of Hourly and Daily disagree.**

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	0.06	0.06	0.06	0.06	0.07	0.09	0.09	0.12	0.14	0.14	0.14	0.14
Ending Date	12	12	12	12	11	11	11	11	11	11	11	11
Ending Time (Hr/Min)	0442	0442	0442	0442	1257	1303	1337	1350	1350	1350	1350	1350

Date and time are not entered for TRACE amounts.

Note : The hourly and daily precipitation totals are printed in the last 2 columns and hi-lighted in red when they disagree. NWS does not edit ASOS hourly values but may edit daily and monthly totals. Hourly, daily, and monthly totals are printed as reported by the ASOS site.

REFERENCE NOTES & SUPPLEMENTAL SUMMARIES

*** = Extreme for the month (last occurence if more than one).**

T = Trace precipitation amount.

+ = also occurs on earlier date.

FG+ = Heavy fog, visibility .25 miles or less.

BLANK entries denote missing or unreported data.

Resultant wind is the vector sum of the wind speeds and directions divided by the number of observations.

Wind direction is recorded in tens of degrees (2 digits) clockwise from true north. '00' = calm, 'VR' = variable.

Precipitation is for the 24-hour period ending at the time indicated in the column heading.

Water Equivalent of snow on the ground is reported only when the depth is 2 or more inches.

NORMALS ARE FOR THE YEARS 1971-2000

WEATHER NOTATIONS

QUALIFIER	WEATHER PHENOMENA		
DESCRIPTOR	PRECIPITATION	OBSCURATION	OTHER
BC Patches	DZ Drizzle	BR Mist	DS Duststorm
BL Blowing	GR Hail	DU Widespread Dust	FC Funnel Cloud
DR Low Drifting	GS Small Hail and/or Snow Pellets	FG Fog	+FC Tornado Waterspout
FZ Freezing	IC Ice Crystals	FU Smoke	PO Well-Developed Dust/Sand Whirls
MI Shallow	PL Ice Pellets	HZ Haze	
PR Partial	RA Rain		
SH Shower(s)	SG Snow Grains	PY Spray	SQ Squalls
TS Thunderstorm	SN Snow	SA Sand	SS Sandstorm
VC In the Vicinity	UP Unkown Precipitation	VA Volcanic Ash	GL Glaze

Intensity (as indicated on pages 4 to 6):
'+' = Heavy ' ' = Moderate '-' = Light

ABILENE, TX DECEMBER 2007

Ceilometer (30-second) data are used to derive cloudiness at or below 12,000 feet. This cloudiness is the mean cloud cover detected during sunrise to sunset (SR-SS), or midnight to midnight (MN-MN).

Satellite data are used to derive cloudiness above 12,000 feet. Effective Cloud Amount is based on the cloud cover and the transparency of the clouds within the satellite field of view (approx. 31x31 miles).

Sky Condition is based on the sum (not to exceed 8) of the sunrise to sunset cloud cover below and above 12,000 feet. Both ceilometer and satellite data must be present to compute Sky Condition. Clear = 0-2 oktas, Partly Cloudy = 3-6 oktas, Cloudy = 7-8 oktas.

A Heating (Cooling) Degree Day is the difference between the average daily temperature and 65 degrees F. The HDD season begins July 1, the CDD season begins January 1.

Dew Point is the temperature to which the air must be cooled to achieve 100% relative humidity. Wet Bulb is the temperature the air would have if cooled to saturation at constant pressure by evaporation of water into it.

Snow Depth, Snowfall, and Sunshine data may come from nearby sites that the National Weather Service deems Climatologically representative of this site.

ADDITIONAL NOTES:

Date	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
			SR-SS		MN-MN				
	TOTAL MINUTES	PERCENT POSSIBLE	Sky Cover	Satellite	Sky Cover	Satellite	MINIMUM	MAXIMUM	
01							8.00	10.00	
02							6.00	10.00	
03							10.00	10.00	
04							10.00	10.00	
05							10.00	10.00	
06							10.00	10.00	
07							10.00	10.00	
08							0.50	10.00	
09							1.25	10.00	
10							0.50	2.50	
11							0.25	10.00	
12							1.00	10.00	
13							2.00	10.00	
14							0.25	10.00	
15							1.00	10.00	
16							1.75	10.00	
17							10.00	10.00	
18							10.00	10.00	
19							10.00	10.00	
20							10.00	10.00	
21							10.00	10.00	
22							10.00	10.00	
23							10.00	10.00	
24							10.00	10.00	
25							10.00	10.00	
26							10.00	10.00	
27							6.00	10.00	
28							7.00	10.00	
29							6.00	10.00	
30							10.00	10.00	
31							10.00	10.00	
MONTHLY AVGS							6.82	9.76	

SUNSHINE (Minutes)

Total : 0 **Possible : 18722**
Percent Possible : 0

NUMBER OF DAYS WITH :

SKY CONDITION

Clear	Partly CLDY	Cloudy	Missing

MINIMUM VISIBILTY (MILES)

<= .25	<= 3.0	>= 7.0
2	9	19

OBSERVATIONS AT 3-HOURLY INTERVALS

ABILENE, TX
DECEMBER 2007 KABI WBAN # 13962

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE Observation Time (LST)	SATELLITE Eff Cld Amt Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F DRY BULB	TEMPERATURE °F DEW POINT	TEMPERATURE °F WET BULB	RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH)	WIND DIRECTION Tens of Deg	PRESSURE (INCHES, HG) STATION	PRESSURE (INCHES, HG) SEA LEVEL
					SUNRISE: 0722	DEC 01			SUNSET: 1733					
03	OVC	008			10.00		61	59	60	93	22	16	28.08	29.92
06	OVC	028			10.00		63	60	61	90	24	17	28.04	29.88
09	OVC	017			10.00		64	60	62	87	23	17	28.04	29.88
12	OVC	023			10.00		68	61	64	78	22	16	28.01	29.85
15	FEW	034			10.00		77	61	67	58	24	19	27.93	29.75
18	CLR	NC			10.00		72	61	65	68	13	18	27.96	29.78
21	CLR	NC			10.00		68	61	64	78	18	18	28.00	29.83
24	OVC	021			10.00		66	61	63	84	8	18	28.02	29.85
					SUNRISE: 0723	DEC 02			SUNSET: 1733					
03	OVC	017			10.00		66	62	64	87	5	21	28.03	29.85
06	SCT	022			10.00		65	62	63	90	7	29	28.09	29.92
09	CLR	NC			10.00		63	51	56	65	13	28	28.21	30.06
12	CLR	NC			10.00		72	37	54	28	26	32	28.29	30.14
15	CLR	NC			10.00		71	14	47	11	23	34	28.32	30.16
18	CLR	NC			10.00		56	29	44	36	16	02	28.44	30.31
21	CLR	NC			10.00		43	30	38	60	6	36	28.59	30.49
24	CLR	NC			10.00		38	28	34	67	0	00	28.63	30.53
					SUNRISE: 0724	DEC 03			SUNSET: 1733					
03	CLR	NC			10.00		34	28	32	79	3	31	28.64	30.55
06	CLR	NC			10.00		35	27	32	73	3	01	28.67	30.59
09	CLR	NC			10.00		35	29	33	79	3	13	28.71	30.65
12	CLR	NC			10.00		49	25	39	39	5	23	28.64	30.56
15	CLR	NC			10.00		58	17	42	20	7	20	28.51	30.42
18	CLR	NC			10.00		51	21	39	31	8	19	28.48	30.40
21	CLR	NC			10.00		42	25	35	51	9	15	28.43	30.35
24	CLR	NC			10.00		40	24	34	53	6	19	28.37	30.27
					SUNRISE: 0725	DEC 04			SUNSET: 1733					
03	CLR	NC			10.00		45	23	36	42	8	20	28.30	30.18
06	CLR	NC			10.00		44	25	36	47	9	22	28.23	30.12
09	CLR	NC			10.00		51	26	40	38	10	22	28.20	30.09
12	CLR	NC			10.00		67	29	49	24	7	25	28.17	30.04
15	CLR	NC			10.00		73	28	51	19	7	29	28.08	29.93
18	CLR	NC			10.00		67	31	50	26	0	00	28.04	29.90
21	CLR	NC			10.00		52	35	44	53	6	19	28.02	29.89
24	CLR	NC			10.00		46	35	41	66	3	16	28.01	29.86
					SUNRISE: 0725	DEC 05			SUNSET: 1733					
03	CLR	NC			10.00		46	34	41	63	0	00	27.99	29.83
06	CLR	NC			10.00		41	34	38	76	6	21	27.99	29.85
09	CLR	NC			10.00		47	37	42	68	0	00	28.06	29.93
12	CLR	NC			10.00		64	35	50	34	8	36	28.09	29.96
15	CLR	NC			10.00		71	32	52	24	15	03	28.06	29.91
18	CLR	NC			10.00		61	37	49	41	9	03	28.10	29.97
21	CLR	NC			10.00		51	37	44	59	8	03	28.16	30.04
24	CLR	NC			10.00		43	33	39	68	7	02	28.21	30.08
					SUNRISE: 0726	DEC 06			SUNSET: 1733					
03	CLR	NC			10.00		39	32	36	76	0	00	28.15	30.01
06	CLR	NC			10.00		37	31	35	79	3	10	28.11	29.99
09	CLR	NC			10.00		43	36	40	76	9	14	28.12	30.00
12	CLR	NC			10.00		64	43	53	47	18	18	28.02	29.88
15	CLR	NC			10.00		72	48	58	43	22	22	27.93	29.78
18	CLR	NC			10.00		67	45	55	45	9	18	27.93	29.78
21	CLR	NC			10.00		64	46	54	52	13	21	27.99	29.84
24	CLR	NC			10.00		61	51	55	70	21	21	27.99	29.83

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE Observation Time (LST)	SATELLITE Eff Cld Amt Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F DRY BULB	TEMPERATURE °F DEW POINT	TEMPERATURE °F WET BULB	RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH)	WIND DIRECTION Tens of Deg	PRESSURE (INCHES, HG) STATION	PRESSURE (INCHES, HG) SEA LEVEL
					SUNRISE: 0727	DEC 07			SUNSET: 1733					
03	CLR	NC			10.00		58	53	55	84	14	22	27.99	29.82
06	CLR	NC			10.00		57	53	55	87	11	22	27.99	29.83
09	CLR	NC			10.00		59	54	56	84	11	21	28.04	29.88
12	CLR	NC			10.00		73	54	62	52	15	19	28.02	29.85
15	CLR	NC			10.00		78	46	60	32	21	21	27.96	29.79
18	CLR	NC			10.00		70	45	56	41	7	17	27.99	29.82
21	CLR	NC			10.00		63	44	53	50	9	16	28.02	29.87
24	CLR	NC			10.00		63	47	54	56	17	20	28.05	29.88
					SUNRISE: 0728	DEC 08			SUNSET: 1734					
03	CLR	NC			10.00		57	51	54	80	6	15	28.06	29.89
06	CLR	NC			6.00	BR	43	40	42	89	8	36	28.11	29.96
09					0.75						7	36		
12	OVC	001			1.50	BR	44	42	43	93	7	35	28.19	30.06
15	OVC	005			5.00	BR	47	43	45	86	6	01	28.13	29.99
18	OVC	003			2.50	BR	46	43	45	89	8	02	28.12	30.00
21					0.75						11	36		
24					0.75						9	36		
					SUNRISE: 0728	DEC 09			SUNSET: 1734					
03	OVC	001			1.25	BR	40	39	40	96	10	36	28.22	30.11
06	OVC	005			4.00	-RA BR	34	33	34	96	15	01	28.28	30.19
09	OVC	004			2.50	BR	32	31	32	96			28.35	30.27
12	OVC	004			1.75	-FZRA BR	31	30	31	96			28.38	30.31
15	OVC	002			1.25	-FZRA BR	31	30	31	96			28.33	30.25
18	OVC	004			2.50	-FZRA BR	31	30	31	96	15	01	28.35	30.28
21	OVC	004			3.00	-FZRA BR	31	30	31	96	16	36	28.36	30.30
24	OVC	004			3.00	BR	31	30	31	96	11	35	28.37	30.31
					SUNRISE: 0729	DEC 10			SUNSET: 1734					
03	OVC	002			2.00	-FZRA BR	31	31	31	100	7	36	28.33	30.26
06	OVC	002			2.00	-FZRA BR	31	30	31	96			28.32	30.25
09	OVC	002			1.75	BR	32	31	32	96	9	02	28.33	30.25
12	OVC	002			2.50	BR	33	32	33	96	5	08	28.28	30.21
15					1.00						0	00		
18					0.75						6	07		
21					0.50						8	11		
24					0.75						3	04		
					SUNRISE: 0730	DEC 11			SUNSET: 1734					
03	OVC	001			3.00	BR	53	53	53	100	16	14	28.02	29.90
06	OVC	032			6.00	-RA BR	36	35	36	96	11	35	28.15	30.05
09	OVC	016			10.00		40	39	40	96	0	00	28.14	30.04
12	OVC	006			1.50	BR	42	41	42	96	7	30	28.17	30.06
15	OVC	005			10.00		48	46	47	93	6	36	28.15	30.03
18	OVC	003			10.00		48	46	47	93	11	35	28.22	30.12
21	OVC	005			10.00		42	40	41	93	16	36	28.34	30.24
24	OVC	016			10.00		38	35	37	89	14	36	28.35	30.27
					SUNRISE: 0731	DEC 12			SUNSET: 1734					
03	OVC	009			10.00		34	32	33	92	15	36	28.36	30.27
06	OVC	008			10.00	-RA	33	31	32	92	13	36	28.38	30.30
09	OVC	060			10.00		32	30	31	92	13	36	28.44	30.36
12	OVC	011			10.00		33	30	32	89	13	01	28.39	30.32
15	OVC	060			10.00		36	31	34	82	8	36	28.32	30.24
18	BKN	075			10.00		35	31	33	85	5	36	28.31	30.23
21	BKN	070			10.00		35	31	33	85	3	17	28.31	30.23
24	CLR	NC			10.00		33	30	32	89	9	19	28.29	30.21

OBSERVATIONS AT 3-HOURLY INTERVALS

ABILENE, TX

DECEMBER 2007 KABI WBAN # 13962

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE Observation Time (LST)	SATELLITE Eff Cld Amt Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F DRY BULB	TEMPERATURE °F DEW POINT	TEMPERATURE °F WET BULB	RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH)	WIND DIRECTION Tens of Deg	PRESSURE (INCHES, HG) STATION	PRESSURE (INCHES, HG) SEA LEVEL
					SUNRISE: 0731	DEC 13			SUNSET: 1735					
03	CLR	NC			10.00		32	30	31	92	8	20	28.26	30.18
06	CLR	NC			10.00		32	29	31	89	6	15	28.27	30.19
09	CLR	NC			10.00		36	33	35	89	3	VR	28.32	30.24
12	CLR	NC			10.00		55	34	45	45	7	29	28.32	30.21
15	CLR	NC			10.00		59	32	46	36	0	00	28.24	30.13
18	CLR	NC			10.00		55	33	45	43	3	14	28.23	30.12
21	CLR	NC			10.00		42	38	40	86	9	07	28.26	30.17
24	OVC	001			2.00	BR	38	38	38	100	6	11	28.26	30.15
					SUNRISE: 0732	DEC 14			SUNSET: 1735					
03	OVC	001			3.00	BR	38	37	38	96	6	06	28.24	30.12
06	OVC	003			4.00	BR	38	37	38	96	7	07	28.20	30.09
09					0.50						10	08		
12					0.25						9	10		
15	OVC	003			1.75	BR	45	44	45	96	7	13	28.06	29.95
18	OVC	011			2.50	BR	45	45	45	100	0	00	28.06	29.95
21	OVC	003			10.00		43	42	43	96	10	36	28.07	29.96
24	OVC	001			1.25	BR	38	37	38	96	10	35	28.09	29.98
					SUNRISE: 0733	DEC 15			SUNSET: 1735					
03	OVC	003			5.00	BR	36	36	36	100	11	32	28.08	29.97
06	OVC	021			10.00		36	33	35	89	20	32	28.16	30.05
09	OVC	050			10.00		34	28	32	79	20	33	28.24	30.14
12	BKN	033			10.00		38	24	33	57	28	32	28.31	30.22
15	OVC	047			10.00		38	22	32	53	24	33	28.30	30.22
18	CLR	NC			10.00		36	22	31	57	9	33	28.34	30.25
21	CLR	NC			10.00		30	20	27	66	9	29	28.37	30.31
24	CLR	NC			10.00		28	20	25	72	8	28	28.41	30.34
					SUNRISE: 0733	DEC 16			SUNSET: 1735					
03	CLR	NC			10.00		25	19	23	78	3	14	28.38	30.32
06	CLR	NC			10.00		26	17	23	69	0	00	28.37	30.31
09	CLR	NC			10.00		29	21	26	72	3	17	28.41	30.35
12	CLR	NC			10.00		46	17	35	31	10	19	28.43	30.35
15	CLR	NC			10.00		50	18	38	28	8	21	28.35	30.27
18	CLR	NC			10.00		45	20	35	37	5	20	28.35	30.27
21	CLR	NC			10.00		33	21	29	61	8	12	28.36	30.29
24	CLR	NC			10.00		34	19	29	54	7	17	28.36	30.27
					SUNRISE: 0734	DEC 17			SUNSET: 1736					
03	CLR	NC			10.00		34	19	29	54	9	19	28.35	30.26
06	CLR	NC			10.00		31	19	27	61	7	16	28.34	30.25
09	CLR	NC			10.00		36	20	30	52	11	15	28.35	30.27
12	CLR	NC			10.00		49	16	37	27	20	19	28.32	30.22
15	CLR	NC			10.00		55	21	41	27	18	17	28.21	30.11
18	CLR	NC			10.00		49	24	39	38	11	18	28.19	30.09
21	CLR	NC			10.00		47	22	37	37	23	19	28.17	30.07
24	CLR	NC			10.00		45	24	37	44	17	19	28.18	30.07
					SUNRISE: 0734	DEC 18			SUNSET: 1736					
03	CLR	NC			10.00		45	29	38	54	16	21	28.17	30.03
06	CLR	NC			10.00		42	32	38	68	11	23	28.18	30.07
09	CLR	NC			10.00		46	33	40	61	11	21	28.22	30.11
12	CLR	NC			10.00		64	32	49	30	13	24	28.22	30.09
15	CLR	NC			10.00		71	23	49	16	16	26	28.16	30.01
18	CLR	NC			10.00		64	24	46	22	3	21	28.19	30.06
21	CLR	NC			10.00		50	27	40	41	3	08	28.24	30.13
24	CLR	NC			10.00		40	29	36	65	0	00	28.24	30.12

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE Observation Time (LST)	SATELLITE Eff Cld Amt Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F DRY BULB	TEMPERATURE °F DEW POINT	TEMPERATURE °F WET BULB	RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH)	WIND DIRECTION Tens of Deg	PRESSURE (INCHES, HG) STATION	PRESSURE (INCHES, HG) SEA LEVEL
					SUNRISE: 0735	DEC 19			SUNSET: 1737					
03	CLR	NC			10.00		38	30	35	73	6	13	28.21	30.08
06	CLR	NC			10.00		40	31	36	70	9	13	28.18	30.06
09	CLR	NC			10.00		45	33	40	63	3	16	28.19	30.08
12	CLR	NC			10.00		62	37	50	40	11	23	28.16	30.03
15	CLR	NC			10.00		68	35	51	30	11	21	28.04	29.91
18	CLR	NC			10.00		60	40	50	48	8	19	28.02	29.89
21	CLR	NC			10.00		51	44	47	77	9	16	28.02	29.89
24	CLR	NC			10.00		52	44	48	74	11	21	28.01	29.86
					SUNRISE: 0736	DEC 20			SUNSET: 1737					
03	CLR	NC			10.00		44	30	38	58	6	22	28.01	29.87
06	CLR	NC			10.00		47	25	38	42	14	28	28.01	29.87
09	CLR	NC			10.00		47	27	39	46	11	31	28.10	29.97
12	CLR	NC			10.00		60	27	45	28	13	32	28.10	29.96
15	CLR	NC			10.00		65	26	47	23	8	30	28.04	29.90
18	CLR	NC			10.00		60	25	45	26	3	12	28.02	29.88
21	CLR	NC			10.00		47	28	39	48	8	15	28.04	29.92
24	CLR	NC			10.00		45	28	38	51	10	14	28.00	29.86
					SUNRISE: 0736	DEC 21			SUNSET: 1738					
03	CLR	NC			10.00		45	26	37	47	8	18	27.96	29.82
06	CLR	NC			10.00		47	25	38	42	11	18	27.94	29.79
09	CLR	NC			10.00		54	25	42	33	21	21	27.96	29.82
12	CLR	NC			10.00		64	26	47	24	24	21	27.90	29.75
15	CLR	NC			10.00		73	28	51	19	20	18	27.79	29.63
18	CLR	NC			10.00		63	31	48	30	11	14	27.77	29.61
21	CLR	NC			10.00		56	34	46	44	15	13	27.76	29.60
24	CLR	NC			10.00		48	34	42	59	0	00	27.81	29.65
					SUNRISE: 0737	DEC 22			SUNSET: 1738					
03	CLR	NC			10.00		57	26	43	30	11	27	27.85	29.68
06	CLR	NC			10.00		48	30	40	50	16	28	27.92	29.77
09	OVC	035			10.00		44	34	40	68	16	32	28.06	29.93
12	OVC	027			10.00		39	27	34	62	29	32	28.19	30.09
15	OVC	039			10.00		36	19	30	50	25	32	28.29	30.18
18	CLR	NC			10.00		33	20	28	59	16	34	28.36	30.27
21	CLR	NC			10.00		28	18	25	66	3	28	28.43	30.36
24	CLR	NC			10.00		26	15	23	63	3	25	28.46	30.39
					SUNRISE: 0737	DEC 23			SUNSET: 1739					
03	CLR	NC			10.00		22	14	20	71	7	22	28.42	30.37
06	CLR	NC			10.00		22	13	19	68	8	21	28.37	30.32
09	CLR	NC			10.00		33	15	27	48	13	21	28.36	30.30
12	CLR	NC			10.00		48	16	36	28	16	21	28.33	30.24
15	CLR	NC			10.00		56	17	40	22	18	19	28.22	30.13
18	CLR	NC			10.00		51	16	38	25	9	18	28.19	30.10
21	CLR	NC			10.00		47	17	36	30	13	19	28.22	30.12
24	CLR	NC			10.00		40	17	32	39	8	29	28.27	30.16
					SUNRISE: 0737	DEC 24			SUNSET: 1739					
03	CLR	NC			10.00		32	20	28	61	5	27	28.27	30.16
06	CLR	NC			10.00		26	20	24	78	7	29	28.29	30.19
09	CLR	NC			10.00		30	24	28	78	11	33	28.34	30.25
12	CLR	NC			10.00		46	23	37	40	8	01	28.35	30.25
15	CLR	NC			10.00		53	20	40	27	9	36	28.29	30.19
18	CLR	NC			10.00		48	19	37	32	0	00	28.26	30.18
21	CLR	NC			10.00		34	21	29	59	7	17	28.27	30.20
24	CLR	NC			10.00		32	21	28	64	9	16	28.25	30.15

OBSERVATIONS AT 3-HOURLY INTERVALS

ABILENE, TX
DECEMBER 2007 KABI WBAN # 13962

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE Observation Time (LST)	SATELLITE Eff Cld Amt Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F DRY BULB	TEMPERATURE °F DEW POINT	TEMPERATURE °F WET BULB	RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH)	WIND DIRECTION Tens of Deg	PRESSURE (INCHES, HG) STATION	PRESSURE (INCHES, HG) SEA LEVEL
					SUNRISE: 0738	DEC 25			SUNSET: 1740					
03	CLR	NC			10.00		31	21	27	66	6	17	28.18	30.08
06	CLR	NC			10.00		34	22	30	62	10	17	28.15	30.04
09	CLR	NC			10.00		40	22	33	49	14	18	28.14	30.04
12	CLR	NC			10.00		56	22	42	27	15	21	28.07	29.96
15	CLR	NC			10.00		63	21	45	20	21	16	27.96	29.83
18	CLR	NC			10.00		55	23	41	29	10	14	27.91	29.78
21	CLR	NC			10.00		48	32	41	54	15	13	27.93	29.80
24	CLR	NC			10.00		47	32	40	56	9	15	27.94	29.80
					SUNRISE: 0738	DEC 26			SUNSET: 1740					
03	CLR	NC			10.00		34	28	32	79	14	31	27.99	29.85
06	OVC	017			10.00		34	28	32	79	15	32	28.04	29.92
09	OVC	024			10.00		36	30	34	79	24	33	28.12	30.01
12	BKN	027			10.00		42	29	37	60	22	32	28.17	30.05
15	FEW	050			10.00		46	27	38	48	14	32	28.10	29.99
18	CLR	NC			10.00		43	26	36	51	3	02	28.09	29.98
21	CLR	NC			10.00		32	26	30	79	8	09	28.10	30.01
24	CLR	NC			10.00		26	23	25	88	5	17	28.09	30.00
					SUNRISE: 0739	DEC 27			SUNSET: 1741					
03	CLR	NC			10.00		26	24	25	92	7	13	28.08	29.98
06	CLR	NC			10.00		28	25	27	89	15	12	28.03	29.94
09	CLR	NC			10.00		30	27	29	89	10	11	28.04	29.95
12	CLR	NC			10.00		44	31	38	60	20	13	27.94	29.84
15	CLR	NC			10.00		51	30	42	45	18	13	27.81	29.69
18	CLR	NC			10.00		46	31	39	56	11	06	27.85	29.74
21	CLR	NC			10.00		34	29	32	82	3	27	27.96	29.87
24	CLR	NC			6.00	BR	29	27	28	92	7	28	28.03	29.93
					SUNRISE: 0739	DEC 28			SUNSET: 1742					
03	CLR	NC			10.00		30	22	27	72	6	26	28.09	29.98
06	CLR	NC			10.00		30	17	26	58	9	29	28.16	30.06
09	CLR	NC			10.00		32	23	29	69	11	31	28.24	30.16
12	CLR	NC			10.00		39	20	32	46	10	31	28.28	30.20
15	CLR	NC			10.00		45	17	35	32	7	32	28.22	30.14
18	CLR	NC			10.00		40	17	32	39	8	01	28.23	30.14
21	CLR	NC			10.00		31	17	26	56	7	10	28.26	30.18
24	CLR	NC			10.00		31	19	27	61	6	16	28.24	30.16
					SUNRISE: 0739	DEC 29			SUNSET: 1742					
03	CLR	NC			10.00		32	21	28	64	6	13	28.22	30.13
06	CLR	NC			10.00		29	20	26	69	10	15	28.20	30.11
09	CLR	NC			10.00		35	22	30	59	6	15	28.20	30.12
12	CLR	NC			10.00		51	20	39	29	15	20	28.17	30.07
15	CLR	NC			10.00		55	19	40	24	14	22	28.08	29.96
18	SCT	120			10.00		51	19	38	28	3	18	28.08	29.97
21	OVC	110			10.00		45	25	37	46	9	12	28.12	30.01
24	CLR	NC			10.00		40	23	33	51	3	20	28.12	30.00
					SUNRISE: 0740	DEC 30			SUNSET: 1743					
03	CLR	NC			10.00		33	18	28	54	6	27	28.15	30.04
06	CLR	NC			10.00		28	17	24	63	6	19	28.15	30.05
09	CLR	NC			10.00		37	20	31	50	3	21	28.18	30.08
12	CLR	NC			10.00		59	19	42	21	24	29	28.16	30.03
15	CLR	NC			10.00		61	18	43	19	14	29	28.10	29.97
18	CLR	NC			10.00		54	18	40	24	6	21	28.07	29.96
21	CLR	NC			10.00		42	20	34	41	9	17	28.07	29.96
24	CLR	NC			10.00		40	19	32	43	7	17	28.06	29.93

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE Observation Time (LST)	SATELLITE Eff Cld Amt Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F DRY BULB	TEMPERATURE °F DEW POINT	TEMPERATURE °F WET BULB	RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH)	WIND DIRECTION Tens of Deg	PRESSURE (INCHES, HG) STATION	PRESSURE (INCHES, HG) SEA LEVEL
					SUNRISE: 0740	DEC 31			SUNSET: 1744					
03	CLR	NC			10.00		42	21	34	43	10	21	28.04	29.91
06	CLR	NC			10.00		43	21	35	42	0	00	28.08	29.96
09	CLR	NC			10.00		41	24	34	51	13	34	28.23	30.13
12	CLR	NC			10.00		50	15	37	25	18	36	28.31	30.20
15	CLR	NC			10.00		53	11	38	18	13	35	28.31	30.20
18	CLR	NC			10.00		47	10	34	22	11	36	28.39	30.30
21	CLR	NC			10.00		36	8	27	31	7	01	28.52	30.44
24	CLR	NC			10.00		30	8	24	39	7	36	28.61	30.54

3-HOURLY OBSERVATION NOTES

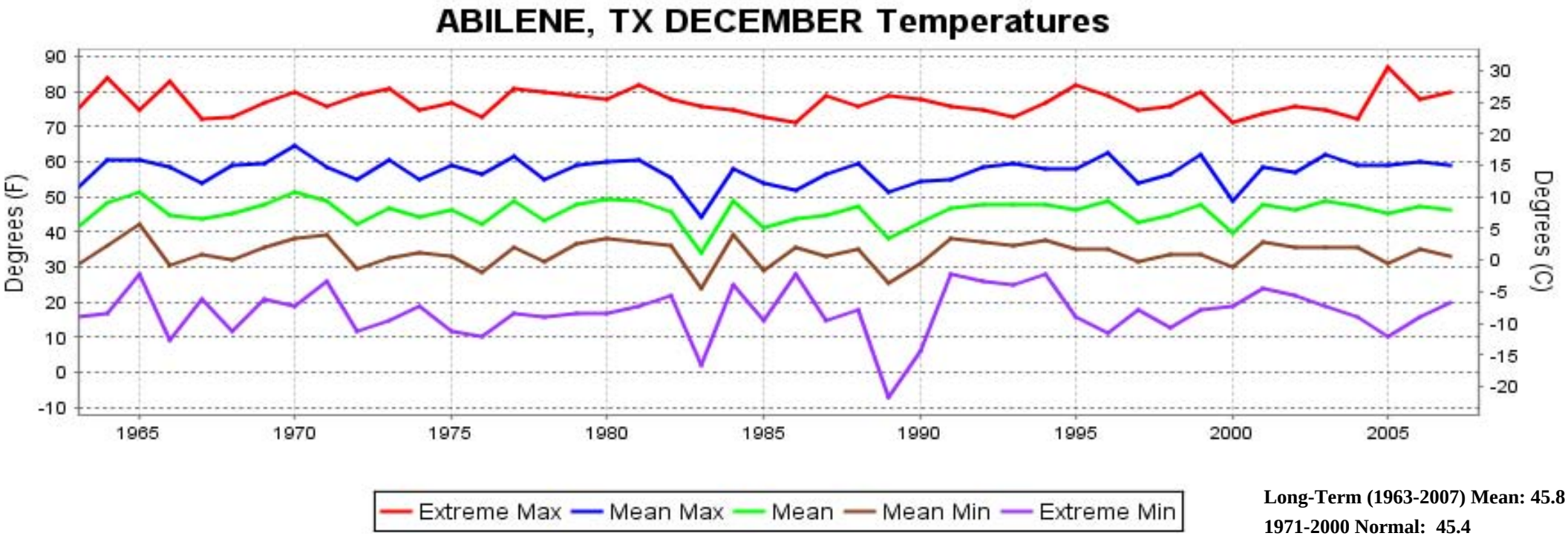
Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8, SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, W = Vertical Visibility = 8/8

Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet. NC = No Ceiling detected.

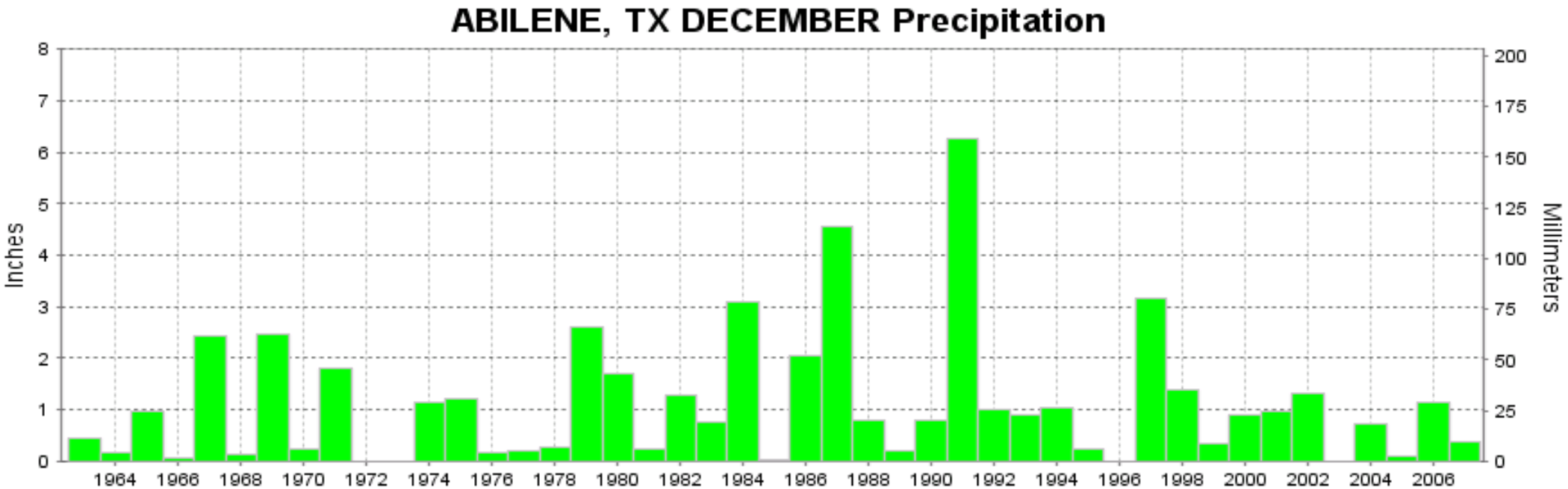
& = Original observation containted additional weather elements. See page 3 for additional notes.

SUMMARY BY HOUR

HOUR (LST)	AVERAGES CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (Inches, HG) STATION	PRESSURE (Inches, HG) SEA LEVEL	VISIBILITY (Miles)	WIND SPEED (MPH)	RESULTANT WIND (MPH) SPEED	RESULTANT WIND (MPH) DIRECTION
01			41	31	37	70	28.18	30.06	8.31	9	3	19
02			41	31	37	72	28.17	30.05	8.61	10	2	18
03			40	31	37	73	28.17	30.05	8.85	8	3	21
04			40	31	36	73	28.16	30.05	8.94	9	3	21
05			38	30	35	73	28.17	30.05	9.23	9	4	23
06			38	30	35	74	28.17	30.06	9.10	10	3	22
07			37	30	34	76	28.19	30.08	9.02	10	3	22
08			38	30	35	76	28.20	30.10	9.06	10	3	22
09			41	31	37	69	28.22	30.12	8.89	10	4	22
10			46	30	39	60	28.23	30.12	8.85	13	4	23
11			49	30	41	52	28.23	30.12	8.79	14	4	23
12			52	30	42	48	28.21	30.10	8.63	15	5	24
13			54	29	43	45	28.19	30.07	8.64	15	5	24
14			56	29	44	42	28.16	30.04	8.73	15	5	24
15			57	28	44	40	28.14	30.02	9.00	13	5	24
16			57	28	44	39	28.14	30.02	8.91	13	4	24
17			56	29	44	42	28.14	30.03	8.91	11	3	20
18			52	29	42	47	28.15	30.04	8.98	8	3	16
19			48	30	40	55	28.17	30.06	8.98	8	4	13
20			46	29	39	56	28.17	30.07	8.89	9	4	13
21			44	30	38	61	28.19	30.08	9.17	10	3	14
22			43	29	37	62		30.09	8.82	9	3	15
23			41	29	36	64	28.20	30.09	8.51	9	2	18
24			40	29	36	67	28.20	30.08	8.51	8	3	20



Long-Term (1963-2007) Mean: 45.8
1971-2000 Normal: 45.4



Long-Term (1963-2007) Mean Monthly Total: 1.11 **1971-2000 Normal: 1.27**

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