

MAY 1996  
WILMINGTON, DE  
GREATER WILMINGTON AIRPORT

# LOCAL CLIMATOLOGICAL DATA

published by: National Climatic Data Center



LATITUDE: 39° 40' N    LONGITUDE: 75° 36' W    ELEVATION (GROUND): 74 FEET    TIME ZONE: EASTERN STANDARD    ISSN # 0198-117X    WBAN # 13781

DATE	TEMPERATURE ° F						DEG DAYS BASE 65°		SIGNIFICANT WEATHER	SNOW/ICE ON GND (IN)		PRECIPITATION (INCHES)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES					SUNSHINE TOTAL MINUTES	CLOUDINESS				
	MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	HEATING	COOLING		0700	1300	2400	2400	AVERAGE STATION	AVERAGE SEA LEVEL	RESULTANT WIND SPEED	RES DIR	AVERAGE SPEED	MAXIMUM							
										DEPTH	WATER EQUIV	SNOW-FALL	WATER EQUIV						5-SEC	2-MIN		SPEED	DIR	SPEED	DIR	
	11	12	13	14	15	16	17	18		19	20	21	22	23	24	25	CELOMETER TENTHS	SATELLITE TENTHS	CELOMETER TENTHS	SATELLITE TENTHS						
01	65	39	52	-5	39	47	13	0				0.00	29.93	30.01	8.3	21	9.4	26	17	22	16			0	1	1
02	71	48	60	2	47	53	5	0	RF			T	29.97	30.05	5.3	24	7.0	20	25	17	27			2	2	3
03	65	54	60	2	56	57	5	0	TRFH			0.16	29.97	30.05	2.7	12	4.1	17	36	16	36			6	6	5
04	73	55	64	6	59	60	1	0	TRF+H			0.15	29.88	29.96	1.0	1	7.1	23	01	20	02			6	6	6
05	70	53	62	3	52	56	3	0	TRF			0.48	30.02	30.11	2.0	10	8.1	21	16	17	15			2	1	4
06	60	44	52	-7	49	51	13	0	RF			0.10	30.08	30.17	6.9	4	8.4	28	02	23	02			10	9	9
07	57	40	49	-10	42	45	16	0	RF			0.19	30.36	30.45	5.8	14	8.5	25	15	18	16			3	3	4
08	60	47	54	-6	49	51	11	0	RF			0.15	30.16	30.24	2.6	8	6.2	14	13	11	13			10	3	10
09	58	51	55	-5	51	53	10	0	RF			0.28	30.19	30.28	7.7	9	8.1	17	11	14	11			10	6	10
10	69	52	61	0	56	58	4	0	FH			0.00	30.05	30.13	4.5	19	6.1	18	20	15	20			3	3	6
11	84	56	70	9	61	64	0	5	TRF+H			0.60	29.65	29.73	9.6	25	11.4	51	29	41	30			4	2	2
12	58	45	52	-9	32	44	13	0				0.00	29.73	29.81	21.3	29	21.5	43	32	32	29			4	1	4
13	57	39	48*	-14	25	39	17	0				0.00	30.06	30.14	11.2	30	11.5	26	31	22	30			4	1	3
14	64	36*	50	-12	30	42	15	0				0.00	30.25	30.34	3.4	28	5.8	16	31	14	28			0	0	0
15	64	45	55	-7	40	47	10	0	R			0.02	30.29	30.38	7.3	16	8.5	26	20	22	20			1	4	3
16	59	48	54	-8	54	55	11	0	RF			0.40	30.03	30.12	5.1	14	7.7	22	15	17	14			10	10	4
17	68	55	62	-1	55	58	3	0	FH			0.00	29.92	30.01	1.6	22	6.2	15	25	11	23			9	3	9
18	73	60	67	4	62	63	0	2	RF+H			T	29.88	29.96	5.7	16	6.1	13	17	11	16			8	2	8
19	94	61	78	14	66	69	0	13	F+H			0.00	29.74	29.82	5.5	24	6.9	20	24	15	22			2	1	4
20	96*	62	79	15	65	70	0	14				0.00	29.61	29.69	7.9	25	9.5	24	30	21	30			0	0	2
21	95	68	82*	18	67	71	0	17	TRFH			0.16	29.55	29.62	7.1	26	9.0	36	32	29	31			1	1	2
22	80	59	70	5	54	61	0	5				0.00	29.71	29.79	5.4	30	7.4	23	29	18	30			0	0	0
23	82	53	68	3	53	60	0	3	R			T	29.85	29.93	4.4	26	7.0	20	28	16	28			0	0	0
24	80	60	70	5	53	61	0	5				0.00	29.92	30.00	7.7	36	8.6	23	01	20	36			1	3	2
25	72	51	62	-3	38	50	3	0				0.00	30.04	30.13	3.2	2	8.2	21	03	18	02			0	1	0
26	65	52	59	-7	45	52	6	0	R			T	30.02	30.10	2.2	6	6.6	21	20	16	21			7	8	6
27	58	52	55	-11	51	53	10	0	RF			0.23	29.98	30.06	5.1	9	6.3	17	09	13	09			10	10	10
28	57	52	55	-11	50	52	10	0	RF			0.06	29.92	30.01	7.2	9	7.4	18	06	14	12			10	10	10
29	58	47	53	-14	49	51	12	0	RF			0.29	29.82	29.90	3.0	2	6.1	13	09	10	34			9	8	7
30	68	43	56	-11	37	47	9	0				0.00	29.94	30.03	11.4	34	12.1	29	36	23	31			0	0	0
31	74	43	59	-9	41	51	6	0				0.00	30.14	30.23	5.5	28	7.0	20	30	15	22			0	0	0
MONTHLY AVERAGES											29.96	30.04	1.3	27	8.2	MONTHLY AVERAGES				4	5					
DEPARTURE		-3.4		-1.6		MONTHLY		DEGREE DAYS		TOTAL SNOWFALL:		TOTAL PRECIPITATION:		3.27		SUNSHINE TOTALS:		PERCENT								
HEATING:		206		84		TOTAL DEPARTURE		5380		PRECIP. DEPARTURE:		-0.57		TOTAL		TOTAL POSSIBLE :		POSSIBLE:								
COOLING:		64		20		TOTAL DEPARTURE		443		GREATEST 24-HR PRECIPITATION:		0.60		11		WIND		SPEED		DIRECTION		DATE				
NUMBER OF DAYS WITH		->		SKY CONDITIONS		.CLEAR		PARTLY CLOUDY		CLOUDY		MAXIMUM TEMP ≥ 90 :		3		MINIMUM TEMP ≤ 32 :		0		PRECIPITATION ≥ 0.01 INCH :		14				
		8		4		6		THUNDERSTORMS :		5		MINIMUM TEMP ≤ 0 :		0		HEAVY FOG :		4		PRECIPITATION ≥ 0.10 INCH :		12				
																				SNOWFALL ≥ 1.0 INCH :		0				
																						NUMBER OF DAYS WITH				

MAY 1996  
WILMINGTON, DE

# HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

MAY 1996  
WILMINGTON, DE

WBAN # 13781

DATE	A.M. HOUR (L.S.T.) ENDING AT												DATE	P.M. HOUR (L.S.T.) ENDING AT												DATE
	1	2	3	4	5	6	7	8	9	10	11	12		1	2	3	4	5	6	7	8	9	10	11	12	
01													01											01		
02		T											02											02		
03					T	0.10	0.03	0.02	T	T			03	T	0.01									03		
04				0.01									04	T					T			T	0.12	04 * 0.13		
05	0.08												05					T	0.15	0.08	0.05	0.14		05 * 0.50		
06	0.05	0.04	T										06	0.01										06		
07													07			T	0.01	T	0.04	0.04	0.05	0.02	0.03	07		
08	0.04	0.01	0.04	0.01	0.04								08								T	0.01	0.03	08 * 0.14		
09	0.11	0.05	0.03	0.03	0.04	T	0.01		0.01	0.01			09											09 * 0.29		
10													10											10		
11													11			0.28	0.10	0.19	0.02	0.01				11		
12													12									T		12		
13													13											13		
14													14											14		
15													15						T	T	T	T	T	0.02	15	
16	0.02	0.04	0.04	0.04	0.05	0.07	0.05	0.01	0.03	0.01	0.01	0.03	16	T										16		
17													17												17	
18			T										18												18	
19											0.01		19												19 * 0.01	
20													20												20	
21													21				T	0.04	T	0.05	0.07			21		
22													22											22		
23												T	23											23		
24													24											24		
25													25											25		
26													26											26		
27				T	0.04	0.04	0.05	0.01					27			T			0.01	0.01		T	T	0.01	27 * 0.18	
28	T	0.01	0.01	0.03	0.01	T	T	T					28												28	
29								0.20	0.03	0.01	T	T	29	0.01	0.03	0.01	T							29		
30													30												30	
31													31												31	

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\* The sum of the hourly totals follows the \* when it disagrees with the daily total on page 1. NWS does not edit ASOS hourly precipitation but may edit daily and monthly totals. Hourly, daily, and monthly totals are printed as reported by the ASOS site.

### MAXIMUM SHORT DURATION PRECIPITATION (MSDP) \*\*

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)												
ENDED: DATE												
ENDED: TIME												

\*\* NCDC derives MSDP data from one-minute ASOS data. The MSDP data are not printed when inconsistent with ASOS hourly totals.

The time indicated is the ending time of the interval.  
Date and time are not entered for trace amounts.

REFERENCE NOTES :

WFO = WEATHER FORECAST OFFICE.

ASOS = AUTOMATED SURFACE OBSERVING SYSTEM.

\* = EXTREME FOR THE MONTH (LAST OCCURRENCE IF MORE THAN ONE).

T = TRACE PRECIPITATION AMOUNT.

+ = ALSO OCCURS ON EARLIER DATES.

F+ = HEAVY FOG, VISIBILITY .25 MILES OR LESS.

BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA.

THE HEATING DEGREE DAY SEASON BEGINS JULY 1.

THE COOLING DEGREE DAY SEASON BEGINS JANUARY 1.

CEILOMETER (30-SECOND) DATA ARE USED TO DERIVE CLOUDINESS AT OR BELOW 12,000 FEET. THIS CLOUDINESS IS THE MEAN CLOUD COVER DETECTED DURING THE TIME INTERVAL (HOUR, SUNRISE TO SUNSET, OR MIDNIGHT TO MIDNIGHT).

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. 50 x 50 KM).

SKY CONDITION IS BASED ON THE SUM (NOT TO EXCEED 10) 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 - 3 TENTHS, PARTLY CLOUDY = 4 - 7 TENTHS, AND CLOUDY = 8 - 10 TENTHS.

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' INDICATES CALM.

SR-SS = SUNRISE TO SUNSET. MN-MN = MIDNIGHT TO MIDNIGHT.

SNOWFALL IS FOR THE 24-HOUR PERIOD ENDING AT THE TIME INDICATED IN COLUMN HEADING.

WATER EQUIVALENT OF SNOW ON THE GROUND IS REPORTED ONLY WHEN THE DEPTH IS 2 OR MORE INCHES.

H, F, F+, P-, R, S, AND ZR ARE REPORTED FROM ASOS AUTOMATED SENSORS.

OTHER WEATHER TYPES MAY BE ADDED TO THE REPORT BY STATION PERSONNEL OR BE PROVIDED BY THE WEATHER FORECAST OFFICE (WFO).

A HAIL	GL GLAZE	SG SNOW GRAINS
BD BLOWING DUST	H HAZE	SP SNOW PELLETS
BN BLOWING SAND	IC ICE CRYSTALS	T THUNDER
BS BLOWING SNOW	IF ICE FOG	V VOLCANIC ASH
BY BLOWING SPRAY	IP ICE PELLETS	ZL FREEZING DRIZZLE
D DUST	K SMOKE	ZR FREEZING RAIN
F FOG	L DRIZZLE	& TORNADO
F+ HEAVY FOG	P- UNKN. PRECIP.	&C FUNNEL CLOUD
GF GROUND FOG	R RAIN	&W WATERSPOUT
	S SNOW	

NORMALS ARE FOR THE YEARS 1961 - 1990.

A HEATING (COOLING) DEGREE DAY IS THE DIFFERENCE BETWEEN THE AVERAGE DAILY TEMPERATURE AND 65°F.

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 THE MOISTURE CONTENT WAS INCREASED TO 100% RELATIVE HUMIDITY.

TEMPERATURE - HUMIDITY INDEX (STEADMAN, 1979)

TEMPERATURE ° F	RELATIVE HUMIDITY (PERCENT)										
	0	10	20	30	40	50	60	70	80	90	100
120	107	116	130	148							
115	103	111	120	135	151						
110	99	105	112	123	137	150					
105	95	100	105	113	123	135	149				
100	91	95	99	104	110	120	132	144			
95	87	90	93	96	101	107	114	124	136		
90	83	85	87	90	93	96	100	106	113	122	
85	78	80	82	84	86	88	90	93	97	102	108
80	73	75	77	78	79	81	82	85	86	88	91
75	69	70	72	73	74	75	76	77	78	79	80
70	64	65	66	67	68	69	70	70	71	71	72

WIND CHILL EQUIVALENT TEMPERATURE (SIPLE & PASSEL, 1945)

TEMPERATURE ° F	WIND VELOCITY (MPH)									
	4	5	10	15	20	25	30	35	40	45
45	45	43	34	29	26	23	21	20	19	18
40	40	37	26	23	19	16	13	12	11	10
35	35	32	22	16	12	8	6	4	3	2
30	30	27	16	9	4	1	-2	-4	-5	-6
25	25	22	10	2	-3	-7	-10	-12	-13	-14
20	20	16	3	-5	-10	-15	-18	-20	-21	-22
15	15	11	-3	-11	-17	-22	-25	-27	-29	-30
10	10	6	-9	-18	-24	-29	-33	-35	-37	-38
5	5	0	-15	-25	-31	-36	-41	-43	-45	-46
0	0	-5	-22	-31	-39	-44	-49	-52	-53	-54
-5	-5	-10	-27	-38	-46	-51	-56	-58	-60	-62
-10	-10	-15	-34	-45	-53	-59	-64	-67	-69	-70
-15	-15	-21	-40	-51	-60	-66	-71	-74	-76	-78
-20	-20	-26	-46	-58	-67	-74	-79	-82	-84	-85
-25	-25	-31	-52	-65	-74	-81	-86	-89	-92	-93
-30	-30	-36	-58	-72	-81	-88	-93	-97	-100	-102

ADDITIONAL INFORMATION :

OBSERVATIONS AT 3-HOURLY INTERVALS

MAY 1996 WILMINGTON, DE

WBAN # 13781

Table with columns for HOUR (LST), WIND, PRESSURE, TEMPERATURE, VISIBILITY, WEATHER, and SATELLITE data for various dates in May 1996. Includes sunrise and sunset times.



## OBSERVATIONS AT 3-HOURLY INTERVALS

 MAY 1996 WBAN # 13781

WILMINGTON, DE

HOUR (LST)	≤ 12K FEET		SATELLITE > 12K FT				VISIBILITY (MILES)	WEATHER	TEMPERATURE ° F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	≤ 12K FEET		SATELLITE > 12K FT				VISIBILITY (MILES)	WEATHER	TEMPERATURE ° F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)			
	CEILOMETER TENTHS	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT TENTHS	100'S OF FT	HIGHEST CLOUD TOP			DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		CEILOMETER TENTHS	CEILING 100'S OF FT	OBSERVATION TIME (LST)	EFF CLD AMT TENTHS	100'S OF FT	HIGHEST CLOUD TOP			DRY BULB	DEW POINT	WET BULB		RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL	
<b>SUNRISE: 0440 MAY 25 SUNSET: 1918</b>																		<b>SUNRISE: 0437 MAY 31 SUNSET: 1923</b>																	
01	1	NC	0057	4	150	440	10.00		60	33	48	36	14	03	30.02	30.10	01	0	NC	0057	0	NT	NT	10.00		48	39	44	71	7	32	30.07	30.16		
22	0	NC	2158	0	NT	NT	10.00		59	45	52	60	5	29	30.02	30.11	22	0	NC	2158	0	NT	NT	10.00		60	44	52	56	7	24	30.20	30.29		
<b>SUNRISE: 0440 MAY 26 SUNSET: 1919</b>																		<b>SUNRISE: 0439 MAY 27 SUNSET: 1920</b>																	
01	0	NC	0057	5	150	330	10.00		53	46	50	77	7	33	30.04	30.12	01	10	55				7.00	R	55	52	53	90	0	00	29.93	30.02			
22	10	27					7.00	R	56	52	54	87	3	29	29.98	30.07	22	10	50				10.00		54	50	52	86	0	00	30.02	30.10			
<b>SUNRISE: 0439 MAY 28 SUNSET: 1921</b>																		<b>SUNRISE: 0438 MAY 29 SUNSET: 1921</b>																	
01	10	50					10.00		52	50	51	93	6	09	30.00	30.08	01	10	12	0057	3	130	260	10.00		53	49	51	86	5	06	29.84	29.92		
22	10	16	2157	2	130	380	10.00		54	49	51	83	7	10	29.89	29.96	22	1	NC				10.00		50	47	49	90	5	28	29.86	29.94			
<b>SUNRISE: 0438 MAY 30 SUNSET: 1922</b>																																			
01	0	NC					10.00		47	36	42	66	8	33	29.86	29.93	01	0	NC				10.00		46	35	41	66	3	31	29.86	29.95			
22	0	NC	2158	0	NT	NT	10.00		56	38	48	51	9	02	30.05	30.14	22	0	NC				10.00		56	38	48	51	9	02	30.05	30.14			

### HOURLY SUMMARY NOTES

CEILING IS REPORTED IN HUNDREDS OF FEET (ABOVE GROUND LEVEL)  
 FOR CLOUDS AT OR BELOW 12,000 FEET.  
 CLOUD TOPS ARE REPORTED IN HUNDREDS OF FEET (ABOVE MEAN SEA LEVEL) FOR CLOUDS ABOVE 12,000 FEET.  
 NC = A CEILING WAS NOT DETECTED AT OR BELOW 12,000 FEET.  
 NT = CLOUD TOPS WERE NOT DETECTED ABOVE 12,000 FEET.  
 SEE PAGE 3 FOR ADDITIONAL NOTES.

### SUMMARY BY HOURS

HOUR (LST)	AVERAGES										RESULTANT WIND (MPH)	
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES, HG)		VISIBILITY (MILES)	WIND SPEED (MPH)	DIRECTION	
	STATION	SEA LEVEL										
01			55	49	52	82	29.95	30.03	7.80	6	1	32
02			54	49	51	83	29.94	30.02	7.67	6	1	36
03			54	48	51	83	29.94	30.02	7.88	6	2	35
04			53	48	51	85	29.95	30.03	7.75	5	3	35
05			53	48	50	85	29.95	30.04	7.59	6	2	34
06			53	48	51	84	29.97	30.05	7.36	7	2	35
07			56	52	49	79	29.98	30.07	7.56	7	2	34
08			58	49	54	75	29.99	30.07	7.54	9	2	34
09			61	49	55	69	29.99	30.07	7.90	9	2	33
10	4		62	49	55	65	29.99	30.07	8.69	9	2	33
11	4		64	49	56	62	29.98	30.07	8.97	9	2	29
12	4		65	49	57	60	29.97	30.05	8.73	9	2	26
13	4		67	49	57	58	29.96	30.04	8.77	10	3	26
14			68	50	58	57	29.95	30.03	8.90	11	4	24
15			68	49	58	56	29.93	30.02	9.16	11	4	23
16	5		67	50	58	57	29.93	30.01	9.25	11	3	24
17	4		66	49	57	58	29.93	30.01	9.06	10	3	24
18	4		65	50	57	62	29.93	30.01	8.90	10	4	22
19	4		63	50	56	67	29.93	30.02	8.83	8	3	21
20	5		60	51	55	73	29.95	30.03	9.16	8	3	20
21	5		60	51	55	75	29.95	30.04	8.47	7	2	19
22	4		58	50	54	76	29.96	30.04	8.35	7	1	18
23	4		57	50	53	79	29.95	30.03	7.84	7	1	29
24			56	49	52	80	29.95	30.03	7.89	6	1	30

SUPPLEMENTARY HOURLY PRECIPITATION  
UNIVERSAL RAIN GAUGE (WATER EQUIVALENT IN INCHES)

MAY 1996  
WILMINGTON, DE

LATITUDE 39° 40'N  
LONGITUDE 75° 36'W

DATE	A.M. HOUR (L.S.T.) ENDING AT												DATE	P.M. HOUR (L.S.T.) ENDING AT												DATE	DAILY TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12		1	2	3	4	5	6	7	8	9	10	11	12		
01													01											01	0.00		
02													02											02	0.00		
03					0.04	0.06	0.02	0.01	0.01				03										0.13	0.03	0.27		
04	0.07												04											0.07	0.07		
05													05							0.18	0.08	0.06	0.15	0.05	0.47		
06	0.07	0.03	T										06											0.06	0.10		
07													07					0.02	0.05	0.05			0.03	0.03	0.07	0.18	
08	0.03	0.01	0.05	T									08										0.01	0.03	0.08	0.13	
09	0.12	0.05	0.03	0.04	0.02	T	0.01						09												0.09	0.27	
10													10												10	0.00	
11													11			0.04	0.21	0.15	0.16	0.01	0.01				11	0.58	
12													12												12	0.00	
13													13												13	0.00	
14													14												14	0.00	
15													15												15	0.00	
16	0.02	0.04	0.04	0.05	0.04	0.08	0.05	0.01	0.04	0.01	0.01	0.02	16	0.01											16	0.42	
17													17												17	0.00	
18													18												18	0.00	
19													19												19	0.00	
20													20												20	0.00	
21													21						0.03	T	0.06	0.06			21	0.15	
22													22												22	0.00	
23													23												23	0.00	
24													24												24	0.00	
25													25												25	0.00	
26													26							0.04	0.02	T	0.01	T	0.01	26	0.08
27					0.03	0.06	0.04						27												27	0.13	
28					0.01	T							28												28	0.06	
29	T	0.01	0.02	0.02									29	0.04											29	0.31	
30													30												30	0.00	
31													31												31	0.00	
MONTHLY TOTAL																								3.22			

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SUPPLEMENTARY MAXIMUM SHORT DURATION PRECIPITATION (MSDP)

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.05	0.07	0.09	0.13	0.17	0.21	0.24	0.28	0.33	0.40	0.52	0.52
ENDED: DATE	11	11	11	11	11	11	11	11	11	11	11	11
ENDED: TIME	1624	1639	1828	1639	1643	1655	1715	1731	1749	1811	1841	1901

The time indicated is the ending time of the interval.  
Date and time are not entered for trace amounts.

The National Weather Service has determined that the ASOS Heated Tipping-Bucket (HTB) rain gauge may not measure water equivalent precipitation accurately during frozen precipitation events. Precipitation data from a nearby site is provided on this page to supplement the ASOS HTB data.  
M = Missing Data.  
\* = Data distribution unknown.  
First HPD value that follows is the total accumulated amount.

I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION,  
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*Kenneth D. Haden*

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