JAN 1991
WILMINGTON, DE
NAT'L WEA SER OFC
AIRPORT TERMINAL BLDG

ISSN 0198-117X

LOCAL CLIMATOLOGICAL DATA
Monthly Summary

GREATER WILMINGTON AIRPORT

JAN 1991
WILMINGTON, DE

LATITUDE 39° 40'N LONGITUDE 75° 36'W ELEVATION (GROUND) 74 FEET TIME ZONE EASTERN 13781

WEATHER TYPES: 1 FOG; 2 HEAVY FOG; 3 THUNDERSTORM; 4 ICE PELLETS; 5 HAIL; 6 GLAZE; 7 DUSTSTORM; 8 SMOKE, HAZE; 9 BLOWING SNOW

DATE	TEMPERATURE °F: MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT	DEGREE DAYS BASE 65°F: HEATING (SEASON BEGINS WITH JUL)	COOLING (SEASON BEGINS WITH JAN)	WEATHER TYPES	SNOW ICE PELLETS OR ICE ON GROUND AT 0700 INCHES	PRECIPITATION: WATER EQUIVALENT (INCHES)	SNOW, ICE PELLETS (INCHES)	AVERAGE STATION PRESSURE IN INCHES ELEV. 80 FEET ABOVE M.S.L.	WIND (M.P.H.): RESULTANT DIR.	RESULTANT SPEED	AVERAGE SPEED	PEAK GUST: SPEED	PEAK GUST: DIRECTION	FASTEST 1-MIN: SPEED	FASTEST 1-MIN: DIRECTION	SUNSHINE: MINUTES	PERCENT OF TOTAL POSSIBLE	SKY COVER (TENTHS): SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT
1	2	3	4	5	6	7A	7B	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
01	41	22	32	0	22	33	0		0	0.00	0.0	30.470	14	2.2	4.3	14	S	10	17			1	1
02	50	23	37	5	26	28	0	1	0	0.00	0.0	30.220	31	5.1	5.4	13	NW	8	30			1	1
03	43	28	36	4	25	29	0	1	0	0.00	0.0	30.240	32	4.9	5.7	14	NW	12	31			10	9
04	37	23	30	-2	16	35	0		0	0.00	0.0	30.420	31	6.2	6.6	20	NW	13	30			5	3
05	39	19	29	-3	22	36	0	1 8	0	0.01	0.0	30.380	19	2.3	3.5	13	S	8	16			8	7
06	45	34	40	8	35	25	0	1 8	0	0.04	0.0	30.250	34	1.5	2.4	12	N	8	36			10	10
07	40	22	31	0	28	34	0	1 4	1	0.56	4.0	30.400	02	9.8	10.1	20	NE	14	02			10	9
08	32	19	26	-5	18	39	0	4 6	3	0.06	T	30.510	04	13.8	14.3	29	NE	20	05			9	8
09	38	31	35	4	31	30	0	1 6	3	0.99	0.0	30.270	35	7.4	9.0	24	NE	17	05			9	9
10	45	31	38	7	28	27	0	1	T	0.00	0.0	30.430	34	7.2	9.5	22	NE	16	34			4	5
11	41	26	34	3	26	31	0	1 4 6	0	1.29	1.2	30.310	06	14.2	14.5	30	NE	22	04			10	10
12	42	37	40	9	34	25	0	1	0	0.15	0.0	29.660	32	5.5	7.8	26	NE	22	04			10	10
13	38	25	32	1	23	33	0	1	0	0.00	0.0	29.890	31	11.1	11.5	25	NW	18	32			6	5
14	42	20	31	0	23	34	0		0	0.00	0.0	30.060	22	4.4	5.2	21	SW	15	21			6	3
15	51	25	38	7	29	27	0	1 8	0	0.00	0.0	30.100	15	2.9	3.7	10	S	7	09			10	5
16	55	37	46	15	45	19	0	2	0	0.84	0.0	29.690	14	2.1	8.2	37	SE	25	15			10	9
17	48	32	40	9	30	25	0		0	0.00	0.0	29.725	29	13.7	14.4	41	NW	24	30			8	5
18	41	31	36	5	23	29	0		0	T	T	29.890	27	11.2	12.2	37	NW	22	29			8	5
19	50	31	41	10	25	24	0		0	T	0.0	29.910	23	6.3	7.3	22	W	14	26			3	4
20	55*	36	46*	15	30	19	0		0	T	0.0	29.550	30	5.5	6.7	25	NW	17	33			5	8
21	44	20	32	1	23	33	0	1	0	0.26	T	29.620	33	10.5	12.5	32	NW	23	33			8	8
22	22	13*	18*	-13	2	47	0		0	0.00	0.0	30.050	33	8.1	8.5	24	NW	15	34			0	1
23	38	14	26	-5	14	39	0		0	0.00	0.0	30.020	20	8.5	9.3	28	SW	18	18			2	2
24	43	24	34	3	16	31	0		0	0.00	0.0	29.990	28	9.0	11.1	30	W	18	33			8	7
25	28	17	23	-8	5	42	0		0	0.00	0.0	30.280	32	6.5	7.0	23	NW	16	34			0	3
26	38	15	27	-4	13	38	0	8	0	T	T	30.150	19	5.6	6.7	23	SW	17	21			5	5
27	44	25	35	4	20	30	0		0	0.00	0.0	29.995	21	6.6	10.3	22	W	16	16			5	5
28	53	28	41	10	28	24	0		0	T	0.0	29.900	31	2.3	6.0	17	S	14	17			5	5
29	50	24	37	6	28	28	0	1 8	0	0.00	0.0	30.100	16	2.5	5.0	15	S	12	17			9	8
30	52	34	43	12	39	22	0	1 8	0	0.10	0.0	29.760	16	2.4	5.1	21	NW	15	31			10	10
31	51	24	38	7	16	27	0	1	0	0.00	0.0	29.995	29	19.5	19.9	49	NW	35	28			5	5
	SUM	SUM				TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL	FOR THE MONTH:								TOTAL	% FOR MONTH	SUM	SUM
	1336	790				943	0			4.30	5.2	30.070	31	3.4	8.5	49	NW	35	28			200	185
	AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.	PRECIPITATION ≥ .01 INCH.	10	DEP.						DATE:31		DATE: 31		POSSIBLE		AVG.	AVG.
	43.1	25.5	34.3	3.1	23.9	-105	0			1.19										.		6.5	6.0

NUMBER OF DAYS				SEASON TO DATE			
MAXIMUM TEMP.		MINIMUM TEMP.		TOTAL	TOTAL	SNOW, ICE PELLETS ≥ 1.0 INCH	2
≥ 90°	≤ 32°	≤ 32°	≤ 0°	2457	0	THUNDERSTORMS	0
0	3	26	0	DEP.	DEP.	HEAVY FOG	1
				-406	0	CLEAR 6 PARTLY CLOUDY 9	CLOUDY 16

GREATEST IN 24 HOURS AND DATES				GREATEST DEPTH ON GROUND OF SNOW, ICE PELLETS OR ICE AND DATE	
PRECIPITATION		SNOW, ICE PELLETS			
1.42	11-12	4.0	07	3	09+

* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.
T TRACE AMOUNT.
+ ALSO ON EARLIER DATE(S).
HEAVY FOG: VISIBILITY 1/4 MILE OR LESS.
BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA.

DATA IN COLS 6 AND 12-15 ARE BASED ON 21 OR MORE OBSERVATIONS AT HOURLY INTERVALS. RESULTANT WIND IS THE VECTOR SUM OF WIND SPEEDS AND DIRECTIONS DIVIDED BY THE NUMBER OF OBSERVATIONS. COLS 16 & 17: PEAK GUST - HIGHEST INSTANTANEOUS WIND SPEED. ONE OF TWO WIND SPEEDS IS GIVEN UNDER COLS 18 & 19: FASTEST MILE - HIGHEST RECORDED SPEED FOR WHICH A MILE OF WIND PASSES STATION (DIRECTION IN COMPASS POINTS). FASTEST OBSERVED ONE MINUTE WIND - HIGHEST ONE MINUTE SPEED (DIRECTION IN TENS OF DEGREES). ERRORS WILL BE CORRECTED IN SUBSEQUENT PUBLICATIONS.

I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC DATA CENTER

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE
NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

OBSERVATIONS AT 3-HOUR INTERVALS

JAN 1st

HOUR L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISIBILITY WHOLE MILES	VISIBILITY 16THS MILE	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW POINT °F	REL HUMIDITY %	WIND DIRECTION	WIND SPEED (KNOTS)
01	0	UNL	15			24	22	16	72	29	5
04	0	UNL	15			23	21	16	75	34	4
07	1	UNL	15			24	22	16	72	00	0
10	0	UNL	15			32	27	16	52	13	4
13	0	UNL	15			38	31	17	43	12	4
16	4	UNL	15			39	35	28	65	17	9
19	10	200	15			37	34	28	70	14	3
22	0	UNL	15			32	30	26	79	00	0

JAN 2nd

HOUR L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISIBILITY WHOLE MILES	VISIBILITY 16THS MILE	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW POINT °F	REL HUMIDITY %	WIND DIRECTION	WIND SPEED (KNOTS)
01	0	UNL	15			29	28	25	85	00	0
04	0	UNL	10			26	26	25	96	33	6
07	2	UNL	5		F	24	23	22	92	33	4
10	1	UNL	6		F	36	34	32	85	31	6
13	1	UNL	12			46	38	27	48	34	7
16	0	UNL	12			48	39	25	41	30	5
19	0	UNL	8			34	30	23	64	31	6
22	5	UNL	10			34	31	25	70	28	4

JAN 3rd

HOUR L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISIBILITY WHOLE MILES	VISIBILITY 16THS MILE	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW POINT °F	REL HUMIDITY %	WIND DIRECTION	WIND SPEED (KNOTS)
01	1	UNL	10			30	28	24	78	30	6
04	10	43	10			32	30	26	79	29	5
07	10	50	7			32	30	27	82	36	4
10	10	50	8			37	33	27	67	01	4
13	9	55	10			41	35	26	55	35	9
16	9	250	8			39	34	26	60	31	10
19	10	250	8			35	31	24	64	33	3
22	10	250	10			33	30	25	73	27	5

JAN 4th

HOUR L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISIBILITY WHOLE MILES	VISIBILITY 16THS MILE	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW POINT °F	REL HUMIDITY %	WIND DIRECTION	WIND SPEED (KNOTS)
01	2	UNL	7			29	26	21	72	30	6
04	3	UNL	7			27	24	18	69	30	7
07	7	UNL	7			25	22	16	69	32	8
10	7	UNL	9			29	25	15	56	32	11
13	1	UNL	10			34	28	14	44	28	9
16	7	UNL	10			34	27	13	42	33	8
19	0	UNL	10			31	25	12	45	00	0
22	0	UNL	10			26	23	16	66	00	0

JAN 5th

HOUR L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISIBILITY WHOLE MILES	VISIBILITY 16THS MILE	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW POINT °F	REL HUMIDITY %	WIND DIRECTION	WIND SPEED (KNOTS)
01	1	UNL	8			24	22	18	78	31	3
04	3	UNL	7			20	19	16	84	30	3
07	3	UNL	6		F	20	19	17	88	00	0
10	3	UNL	6		H	35	31	24	64	00	0
13	10	60	9			37	30	17	44	16	7
16	10	49	10			39	32	17	41	17	5
19	10	55	10		R	38	35	29	70	19	5
22	10	100	10			36	34	31	82	24	4

JAN 6th

HOUR L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISIBILITY WHOLE MILES	VISIBILITY 16THS MILE	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW POINT °F	REL HUMIDITY %	WIND DIRECTION	WIND SPEED (KNOTS)
01	10	100	10			36	34	30	79	19	4
04	5	UNL	10			36	34	32	85	00	0
07	10	40	10			36	35	33	89	00	0
10	10	36	6		H	40	37	33	76	00	0
13	10	30	6		H	42	39	35	76	00	0
16	10	33	4		RF	43	41	38	83	35	3
19	10	35	2	8	RF	41	41	40	96	36	4
22	10	47	6		F	40	40	39	96	36	2

JAN 7th

HOUR L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISIBILITY WHOLE MILES	VISIBILITY 16THS MILE	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW POINT °F	REL HUMIDITY %	WIND DIRECTION	WIND SPEED (KNOTS)
01	10	15	3		RF	40	39	37	89	02	7
04	10	29	2	8	RSF	35	33	30	82	04	8
07	10	6	1	4	SF	33	32	29	85	05	11
10	10	7	0	8	SF	32	32	31	96	02	12
13	10	5	1		SF	32	32	31	96	02	10
16	10	60	7			33	32	30	89	01	5
19	9	250	10			31	31	31	100	01	10
22	3	UNL	10			24	21	15	69	36	9

JAN 8th

HOUR L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISIBILITY WHOLE MILES	VISIBILITY 16THS MILE	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW POINT °F	REL HUMIDITY %	WIND DIRECTION	WIND SPEED (KNOTS)
01	2	UNL	10			21	19	12	68	01	9
04	3	UNL	10			20	17	10	65	04	10
07	7	UNL	10			19	17	9	65	02	12
10	3	UNL	15			22	19	12	65	03	16
13	10	17	12			28	25	20	72	04	14
16	10	17	12			28	26	22	78	05	17
19	10	25	10		S	31	29	26	82	05	12
22	10	9	8		ZR	31	30	29	92	06	12

JAN 9th

HOUR L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISIBILITY WHOLE MILES	VISIBILITY 16THS MILE	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW POINT °F	REL HUMIDITY %	WIND DIRECTION	WIND SPEED (KNOTS)
01	10	7	5		RF	32	31	29	89	05	15
04	10	7	2	8	RF	32	31	30	92	03	7
07	10	11	2	8	RF	32	32	31	96	35	12
10	10	35	4		RF	34	33	32	92	36	8
13	10	28	7		R	35	34	32	89	36	10
16	2	UNL	8			37	35	31	79	31	7
19	10	17	8			34	33	32	92	34	4
22	4	UNL	8			35	33	31	85	29	7

JAN 10th

HOUR L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISIBILITY WHOLE MILES	VISIBILITY 16THS MILE	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW POINT °F	REL HUMIDITY %	WIND DIRECTION	WIND SPEED (KNOTS)
01	4	UNL	2	8	F	32	32	31	96	21	6
04	0	UNL	10			37	35	31	79	34	14
07	2	UNL	10			34	32	28	79	32	7
10	3	UNL	12			39	35	29	67	34	10
13	2	UNL	15			44	38	29	56	35	8
16	3	UNL	15			42	37	29	60	36	5
19	10	250	10			38	34	26	62	36	6
22	10	UNL	10			36	31	22	57	03	9

JAN 11th

HOUR L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISIBILITY WHOLE MILES	VISIBILITY 16THS MILE	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW POINT °F	REL HUMIDITY %	WIND DIRECTION	WIND SPEED (KNOTS)
01	10	250	10			33	28	18	54	05	10
04	10	90	10			31	26	15	52	06	11
07	10	35	10		S	29	24	10	45	07	14
10	10	25	1		SF	27	26	24	89	05	17
13	10	7	5		ZRSF	30	29	28	92	07	13
16	10	9	2		ZRF	30	30	29	96	06	10
19	10	3	1	4	RF	33	33	32	96	06	9
22	10	6	2	8	RF	39	38	37	93	05	14

JAN 12th

HOUR L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISIBILITY WHOLE MILES	VISIBILITY 16THS MILE	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW POINT °F	REL HUMIDITY %	WIND DIRECTION	WIND SPEED (KNOTS)
01	10	3	2	8	RF	42	37	30	63	05	16
04	10	5	3		F	41	37	31	68	35	10
07	10	6	7			38	35	31	76	35	9
10	10	6	5		F	38	36	34	86	35	8
13	10	6	7			38	37	35	89	31	8
16	10	29	3		F	38	38	37	96	31	6
19	10	55	3		F	38	37	36	93	27	3
22	10	60	2	8	F	38	38	37	96	25	5

JAN 13th

HOUR L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISIBILITY WHOLE MILES	VISIBILITY 16THS MILE	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW POINT °F	REL HUMIDITY %	WIND DIRECTION	WIND SPEED (KNOTS)
01	10	80	4		F	37	35	32	82	29	6
04	10	75	10			36	33	28	73	30	10
07	10	24	10			34	31	27	76	31	13
10	10	40	12			34	30	22	62	34	16
13	8	33	15			35	30	21	57	32	16
16	0	UNL	15			35	30	20	54	33	11
19	0	UNL	15			29	26	20	69	29	4
22	0	UNL	15			26	24	19	75	29	4

JAN 14th

HOUR L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISIBILITY WHOLE MILES	VISIBILITY 16THS MILE	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW POINT °F	REL HUMIDITY %	WIND DIRECTION	WIND SPEED (KNOTS)
01	0	UNL	15			24	22	18	78	29	4
04	0	UNL	15			23	22	18	81	24	5
07	3	UNL	10			23	22	20	88	00	0
10	10	120	7			31	29	24	75	19	7
13	3	UNL	12			38	33	25	60	21	13
16	1	UNL	15			41	35	26	55	20	9
19	2	UNL	15			36	32	26	67	00	0
22	3	UNL	15			32	30	26	79	00	0

JAN 15th

HOUR L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISIBILITY WHOLE MILES	VISIBILITY 16THS MILE	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW POINT °F	REL HUMIDITY %	WIND DIRECTION	WIND SPEED (KNOTS)
01	4	UNL	8			28	27	26	92	00	0
04	0	UNL	7			28	27	25	89	00	0
07	1	UNL	7			28	27	26	92	00	0
10	10	UNL	6		H	40	36	31	70	17	6
13	9	UNL	8			49	42	32	52	16	6
16	10	UNL	8			49	42	32	52	17	5
19	3	UNL	10			41	37	31	68	15	6
22	0	UNL	10			38	35	31	76	09	4

JAN 16th

HOUR L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISIBILITY WHOLE MILES	VISIBILITY 16THS MILE	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW POINT °F	REL HUMIDITY %	WIND DIRECTION	WIND SPEED (KNOTS)
01	10	65	3		F	38	38	37	96	07	5
04	10	60	3		F	40	39	38	93	06	5
07	10	35	2		RF	40	40	39	96	07	9
10	10	7	1		RF	55	54	53	93	15	20
13	10	3	1	8	RF	52	52	51	96	17	6
16	10	5	0	2	RF	53	53	52	96	34	3
19	10	12	3		F	52	52	52	100	26	4
22	7	100	7			48	48	47	96	26	7

JAN 17th

HOUR L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISIBILITY WHOLE MILES	VISIBILITY 16THS MILE	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW POINT °F	REL HUMIDITY %	WIND DIRECTION	WIND SPEED (KNOTS)
01	6	70	10			44	43	41	89	25	7
04	10	70	15			46	40	33	61	29	11
07	1	UNL	15			42	38	32	68	27	12
10	5	UNL	15			45	40	33	63	30	15
13	4	UNL	15			47	40	29	50	30	17
16	10	65	15			44	38	29	56	31	12
19	2	UNL	10			40	35	28	62	30	14
22	0	UNL	10			35	31	24	64	26	5

JAN 18th

HOUR L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISIBILITY WHOLE MILES	VISIBILITY 16THS MILE	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW POINT °F	REL HUMIDITY %	WIND DIRECTION	WIND SPEED (KNOTS)
01	0	UNL	10			32	30	25	75	23	6
04	10	48	15			36	32	25	64	24	8
07	6	50	15			35	32	26	70	25	9
10	10	55	8		S	38	33	25	60	31	12
13	6	50	15			40	33	22	49	29	16
16	9	UNL	15			41	33	19	41	26	13
19	0	UNL	15			38	32	20	48	25	12
22	3	UNL	15			37	31	20	50	24	9

WEATHER CODES

*	TORNADO	ZL	FREEZING DRIZZLE	IPW	ICE PELLET SHOWERS	BN	BLOWING SAND
T	THUNDERSTORM	S	SNOW	A	HAIL	BS	BLOWING SNOW
Q	SQUALL	SW	SNOW SHOWERS	F	FOG	BY	BLOWING SPRAY
R	RAIN	SG	SNOW GRAINS	IF	ICE FOG	K	SMOKE
RW	RAIN SHOWERS	SP	SNOW PELLETS	GF	GROUND FOG	H	HAZE
ZR	FREEZING RAIN	IC	ICE CRYSTALS	BD	BLOWING DUST	D	DUST
L	DRIZZLE	IP	ICE PELLETS				

CEILING: UNL INDICATES UNLIMITED
WIND DIRECTION: DIRECTIONS ARE THOSE FROM WHICH THE WIND BLOWS, INDICATED IN TENS OF DEGREES FROM TRUE NORTH: I.E., 09 FOR EAST, 18 FOR SOUTH, 27 FOR WEST. AN ENTRY OF 00 INDICATES CALM
SPEED: THE OBSERVED AVERAGE ONE-MINUTE VALUE, EXPRESSED IN KNOTS (MPH=KNOTS X 1.15).

OBSERVATIONS AT 3-HOUR INTERVALS

JAN 1991
WILMINGTON, DE

13781

JAN 19th

HOUR L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISIBILITY WHOLE MILES	VISIBILITY 16THS MILE	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW POINT °F	REL HUMIDITY %	WIND DIRECTION	WIND SPEED (KNOTS)
01	0	UNL	15			34	29	20	57	26	6
04	0	UNL	15			33	29	21	61	25	6
07	1	UNL	15			32	28	21	64	24	6
10	1	UNL	15			42	36	25	51	28	12
13	1	UNL	15			49	40	27	43	24	9
16	9	140	15			49	40	27	43	21	8
19	10	120	15			44	37	26	49	23	6
22	6	UNL	15			40	35	28	62	18	3

JAN 20th

HOUR L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISIBILITY WHOLE MILES	VISIBILITY 16THS MILE	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW POINT °F	REL HUMIDITY %	WIND DIRECTION	WIND SPEED (KNOTS)
01	10	110	12			39	36	31	73	15	3
04	10	90	15			37	35	31	79	00	0
07	10	95	15			38	35	31	76	19	4
10	7	100	10			42	37	30	63	31	7
13	3	UNL	15			54	44	30	40	31	14
16	1	UNL	15			53	43	30	42	28	8
19	10	50	15			49	41	30	48	31	5
22	10	95	12			46	39	30	54	29	4

JAN 21st

HOUR L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISIBILITY WHOLE MILES	VISIBILITY 16THS MILE	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW POINT °F	REL HUMIDITY %	WIND DIRECTION	WIND SPEED (KNOTS)
01	10	43	10		R	42	37	31	65	30	6
04	10	33	8			40	36	30	68	14	5
07	10	23	4		RF	39	39	38	96	26	6
10	10	12	3		RSF	36	35	34	93	34	16
13	10	13	2	8	SF	29	28	25	85	32	15
16	3	UNL	15			29	25	16	58	33	17
19	2	UNL	15			25	21	12	58	32	12
22	10	55	10		SW	23	19	9	55	35	11

JAN 22nd

HOUR L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISIBILITY WHOLE MILES	VISIBILITY 16THS MILE	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW POINT °F	REL HUMIDITY %	WIND DIRECTION	WIND SPEED (KNOTS)
01	6	UNL	15			19	16	5	54	34	10
04	4	UNL	15			15	13	4	62	36	1
07	0	UNL	15			14	11	-1	51	34	9
10	0	UNL	15			17	13	-2	43	30	13
13	1	UNL	15			20	16	0	41	34	13
16	0	UNL	15			21	16	1	42	30	10
19	0	UNL	20			16	13	2	54	32	4
22	0	UNL	20			17	14	1	49	00	0

JAN 23rd

HOUR L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISIBILITY WHOLE MILES	VISIBILITY 16THS MILE	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW POINT °F	REL HUMIDITY %	WIND DIRECTION	WIND SPEED (KNOTS)
01	2	UNL	15			18	15	4	54	12	6
04	0	UNL	15			16	14	8	71	00	0
07	0	UNL	15			20	17	6	54	19	8
10	1	UNL	15			28	24	13	53	20	10
13	2	UNL	15			37	30	15	41	22	15
16	5	UNL	15			37	30	16	42	21	9
19	0	UNL	15			33	28	19	56	20	8
22	10	85	15			34	30	21	59	26	5

JAN 24th

HOUR L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISIBILITY WHOLE MILES	VISIBILITY 16THS MILE	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW POINT °F	REL HUMIDITY %	WIND DIRECTION	WIND SPEED (KNOTS)
01	0	UNL	15			31	28	23	72	21	6
04	0	UNL	15			30	27	20	66	21	4
07	3	UNL	15			31	28	21	67	23	5
10	8	100	15			38	33	24	57	26	8
13	10	140	15			42	33	18	38	28	12
16	10	140	15			41	31	9	27	29	16
19	9	UNL	20			36	28	12	37	31	8
22	10	UNL	20			30	23	5	34	33	16

JAN 25th

HOUR L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISIBILITY WHOLE MILES	VISIBILITY 16THS MILE	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW POINT °F	REL HUMIDITY %	WIND DIRECTION	WIND SPEED (KNOTS)
01	7	250	15			25	20	5	42	32	11
04	4	UNL	15			21	17	7	55	32	7
07	3	UNL	10			17	15	7	65	36	5
10	0	UNL	20			24	19	2	38	32	8
13	0	UNL	20			27	21	3	35	28	7
16	0	UNL	20			27	21	4	37	30	6
19	0	UNL	15			24	19	3	40	00	0
22	9	UNL	15			22	18	7	52	00	0

JAN 26th

HOUR L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISIBILITY WHOLE MILES	VISIBILITY 16THS MILE	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW POINT °F	REL HUMIDITY %	WIND DIRECTION	WIND SPEED (KNOTS)
01	0	UNL	15			19	17	11	71	00	0
04	0	UNL	15			15	14	11	84	34	5
07	10	UNL	7			16	15	12	84	33	3
10	6	UNL	7			27	24	18	69	17	5
13	2	UNL	15			35	28	11	37	18	12
16	6	80	15			37	28	9	31	20	12
19	6	UNL	15			33	27	14	46	18	9
22	10	85	15			32	28	19	59	21	5

JAN 27th

HOUR L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISIBILITY WHOLE MILES	VISIBILITY 16THS MILE	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW POINT °F	REL HUMIDITY %	WIND DIRECTION	WIND SPEED (KNOTS)
01	4	UNL	10			31	28	22	69	27	4
04	0	UNL	10			29	25	17	61	28	7
07	0	UNL	10			26	23	15	63	27	3
10	9	UNL	15			33	28	17	52	23	5
13	4	UNL	15			43	32	7	23	26	12
16	2	UNL	15			43	33	15	32	22	8
19	10	110	10			36	33	28	73	16	12
22	10	110	10			37	34	28	70	16	14

JAN 28th

HOUR L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISIBILITY WHOLE MILES	VISIBILITY 16THS MILE	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW POINT °F	REL HUMIDITY %	WIND DIRECTION	WIND SPEED (KNOTS)
01	10	85	10			41	37	31	68	17	7
04	10	95	10			44	39	31	60	20	6
07	10	120	10			39	35	30	70	34	6
10	10	220	12			46	40	31	56	33	10
13	5	UNL	15			50	42	30	46	30	4
16	0	UNL	15			52	42	27	38	36	3
19	0	UNL	15			43	36	24	47	02	3
22	0	UNL	15			34	30	24	67	29	2

JAN 29th

HOUR L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISIBILITY WHOLE MILES	VISIBILITY 16THS MILE	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW POINT °F	REL HUMIDITY %	WIND DIRECTION	WIND SPEED (KNOTS)
01	0	UNL	15			27	25	22	81	34	4
04	7	65	10			26	25	22	85	31	4
07	9	65	7			32	31	28	85	03	2
10	10	UNL	5		H	41	36	29	62	11	4
13	10	60	10			48	41	31	52	18	9
16	10	UNL	10			48	40	29	48	15	7
19	10	65	10			42	38	31	65	14	5
22	10	45	10			42	38	32	68	00	0

JAN 30th

HOUR L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISIBILITY WHOLE MILES	VISIBILITY 16THS MILE	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW POINT °F	REL HUMIDITY %	WIND DIRECTION	WIND SPEED (KNOTS)
01	10	110	10			44	39	31	60	06	4
04	10	250	7			38	36	32	79	00	0
07	10	250	5		F	35	33	31	85	33	4
10	10	16	4		FH	42	40	38	86	16	7
13	10	13	6		H	50	45	40	69	16	5
16	10	13	6		RH	50	47	44	80	17	5
19	10	11	3		RF	49	47	45	86	16	5
22	10	6	0	6	RF	48	48	47	96	19	4

JAN 31st

HOUR L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	VISIBILITY WHOLE MILES	VISIBILITY 16THS MILE	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW POINT °F	REL HUMIDITY %	WIND DIRECTION	WIND SPEED (KNOTS)
01	10	55	6		F	49	47	45	86	28	9
04	8	250	10			43	38	31	63	30	24
07	10	100	7			38	32	22	53	30	14
10	7	100	15			37	30	17	44	30	20
13	2	UNL	20			35	27	7	31	28	21
16	3	UNL	20			34	26	6	31	28	16
19	5	UNL	15			30	24	8	39	28	15
22	1	UNL	15			26	21	8	46	30	11

SUMMARY BY HOURS

HOUR L.S.T	AVERAGES							RESULTANT WIND	
	SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	TEMPERATURE AIR TEMP °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW POINT °F	REL HUMIDITY %	WIND SPEED (MPH)	DIRECTION	SPEED (MPH)
01	5	30.060	32	29	24	74	7.1	33	2.2
04	5	30.060	31	28	23	73	7.2	32	3.9
07	6	30.080	30	27	23	75	7.4	33	3.7
10	7	30.110	35	32	25	67	11.0	32	4.7
13	6	30.065	40	34	24	56	11.9	30	5.2
16	6	30.050	40	34	24	56	9.9	29	4.2
19	6	30.070	36	32	25	66	7.3	29	2.0
22	6	30.070	34	31	24	70	6.5	31	2.1

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

JAN 1991 WILMINGTON, DE 13781

DATE	A.M. HOUR ENDING AT 1	2	3	4	5	6	7	8	9	10	11	12	P.M. HOUR ENDING AT 1	2	3	4	5	6	7	8	9	10	11	12	DATE
01																									01
02																									02
03																									03
04																									04
05																			T	T	T	0.01			05
06																T	T	0.01	0.01	0.01	T	0.01	T	T	06
07	0.02	0.03	0.03	0.03	0.03	0.04	0.05	0.04	0.07	0.06	0.06	0.03	0.04	0.02	T	0.01									07
08																			T	T	0.02	0.04	T	T	08
09	0.02	0.04	0.02	0.05	0.19	0.35	0.07	0.05	0.08	0.09	T	0.02	0.01	T											09
10																									10
11							T	T	0.02	0.04	0.04	0.02	0.01	0.01	0.01	0.03	0.03	0.07	0.07	0.07	0.13	0.16	0.32	0.26	11
12	0.09	0.03	0.01	T											0.01	0.01			T						12
13																									13
14																									14
15																									15
16					T	0.01	0.05	0.08	0.17	0.12	0.01	0.02	0.05	0.03	0.01	0.05	0.06	0.07			0.11	T			16
17																									17
18									T	T	T	T													18
19																							T	T	19
20																								T	20
21	0.01	0.02			T	0.15	0.05	T	0.02	0.01	T	T	T									T	T		21
22																									22
23																									23
24																									24
25																									25
26																							T	T	26
27																									27
28			T	T																					28
29																									29
30																T	T	T	T	0.01	0.01	0.03	0.01	0.04	30
31																									31

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.06	0.09	0.11	0.14	0.19	0.26	0.35	0.45	0.50	0.58	0.67	0.74
ENDED: DATE	16	16	11	11	11	11	09	11	11	11	12	12
ENDED: TIME	2014	2020	2246	2244	2254	2314	0559	2329	2341	2356	0007	0001

THE PRECIPITATION AMOUNTS FOR THE INDICATED TIME INTERVALS MAY OCCUR AT ANY TIME DURING THE MONTH. THE TIME INDICATED IS THE ENDING TIME OF THE INTERVAL. DATE AND TIME ARE NOT ENTERED FOR TRACE AMOUNTS.

VALIDATED BY:
CHARLOTTE WARD

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