

LOCAL CLIMATOLOGICAL DATA

Monthly Summary



R.E. BYRD INTERNATIONAL AP.

LATITUDE 37° 30' N LONGITUDE 77° 20' W ELEVATION (GROUND) 164 FEET TIME ZONE EASTERN 13740

SEP 1992
 RICHMOND, VA

DATE	TEMPERATURE °F						DEGREE DAYS BASE 65°F		WEATHER TYPES 1 FOG 2 HEAVY FOG 3 THUNDERSTORM 4 ICE PELLETS 5 HAIL 6 GLAZE 7 DUSTSTORM 8 SMOKE, HAZE 9 BLOWING SNOW	SNOW ICE PELLETS OR ICE ON GROUND AT 0700 INCHES	PRECIPITATION		AVERAGE STATION PRESSURE IN INCHES ELEV. 177 FEET ABOVE M.S.L.	WIND (M.P.H.)				SUNSHINE		SKY COVER (TENTHS)			
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT	HEATING (SEASON BEGINS WITH JULI)	COOLING (SEASON BEGINS WITH JAN)	WATER EQUIVALENT (INCHES)			SNOW, ICE PELLETS (INCHES)	RESULTANT DIR.		RESULTANT SPEED	AVERAGE SPEED	PEAK GUST		FASTEST 1-MIN		MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT
																SPEED	DIRECTION	SPEED	DIRECTION				
01	83	61	72	-2	58	0	7		0	0.00	0.0	29.990	04	4.6	6.9	15	NW	9	02	678	87	4	5
02	84	62	73	-1	65	0	8	1	8	0.00	0.0	30.010	16	8.5	8.8	17	SE	15	17	626	81	9	9
03	88	70	79	5	70	0	14	1	3	0.54	0.0	29.945	18	8.6	10.7	25	S	17	20	516	67	9	9
04	87	69	78	4	71	0	13	1	8	0.00	0.0	30.000	10	1.7	5.1	12	E	10	11	623	81	8	7
05	86	70	78	4	71	0	13	1	8	0.01	0.0	30.070	07	4.7	5.9	17	NE	12	05	582	76	10	10
06	84	70	77	4	71	0	12	1	3	0.64	0.0	30.050	17	3.5	6.4	20	N	15	01	215	28	10	10
07	83	70	77	4	71	0	12	1		0.53	0.0	30.025	01	3.8	5.9	13	N	12	32	451	59	9	9
08	87	69	78	5	71	0	13	2	8	0.00	0.0	29.950	14	2.4	4.9	13	S	9	17	612	80	6	7
09	89	70	80	8	71	0	15	1	8	0.00	0.0	29.920	16	4.6	5.9	20	S	12	17			4	4
10	88	68	78	6	71	0	13	1		0.03	0.0	29.860	18	7.3	9.1			14	17	450	59	5	5
11	77	59	68	-4	62	0	3	1		0.16	0.0	29.940	36	7.1	8.3			16	36	216	29	8	6
12	73	54	64	-8	53	1	0			0.00	0.0	30.120	36	4.8	5.2			8	03	715	95	3	2
13	76	51	64	-7	54	1	0			0.00	0.0	30.140	02	4.4	5.8	13	NE	10	05	488	65	6	4
14	77	52	65	-6	55	0	0			0.00	0.0	30.120	04	4.4	5.8	14	NE	10	06	568	76	2	1
15	80	52	66	-5	58	0	1			0.00	0.0	30.125	02	3.6	4.6	14	NE	9	05	639	86	1	0
16	83	57	70	0	61	0	5	2	8	T	0.0	30.060	15	1.2	2.9	15	S	6	09	366	49	4	4
17	87	58	73	3	65	0	8	1	8	0.00	0.0	29.940	21	4.2	5.1	17	SW	12	23			2	2
18	88	67	78	8	69	0	13	1		0.00	0.0	29.810	19	9.7	10.0	23	S	17	19	391	53	9	7
19	81	66	74	5	68	0	9			0.01	0.0	29.760	36	1.4	9.2	20	N	16	35			10	10
20	77	63	70	1	63	0	5			0.00	0.0	29.885	05	6.5	8.1	14	E	12	09			10	10
21	83	67	75	6	69	0	10			0.02	0.0	29.840	08	4.5	5.5	10	E	8	08			10	10
22	90*	73*	82*	14	72	0	17	1		0.03	0.0	29.690	20	6.9	8.6	21	SE	14	22			9	9
23	74	53	64	-4	51	1	0			T	0.0	29.920	35	13.6	13.8	33	N	23	34			5	5
24	66	47	57	-10	46	8	0			T	0.0	30.130	01	13.3	13.7	25	N	20	01	416	57	8	7
25	58	53	56	-11	54	9	0	1		0.02	0.0	30.020	33	13.7	14.5	29	NW	21	34	0	0	10	10
26	78	51	65	-2	59	0	0	1		0.00	0.0	29.980	18	3.0	4.7	12	SE	9	30	563	78	6	5
27	84	66	75	9	69	0	10	1		0.09	0.0	29.890	21	4.8	5.8	17	S	13	20	255	36	10	10
28	71	60	66	0	63	0	1	1		0.19	0.0	29.890	36	8.6	9.2	20	N	14	02	4	1	10	10
29	68	51	60	-5	48	5	0	1		0.08	0.0	29.950	35	11.8	12.1	25	N	18	36	567	80	6	7
30	63	42*	53*	-12	40	12	0			0.00	0.0	30.030	35	9.6	9.9	21	N	17	32	629	89	1	1
SUM	SUM				TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL	FOR THE MONTH:				TOTAL	%	SUM	SUM					
2393	1821				37	202			2.35	0.0	29.970	02	1.6	7.7	33	N	23	34			204	195	
AVG	AVG	AVG	DEP.	AVG	DEP.	AVG	PRECIPITATION		DEP.		DATE: 23				DATE: 23	POSSIBLE	MONTH	AVG	AVG				
79.8	60.7	70.3	0.1	62.1	13	22	≥ .01 INCH.		13	-1.17								6.8	6.5				
NUMBER OF DAYS						SEASON TO DATE		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES				GREATEST DEPTH ON GROUND OF									
						TOTAL	TOTAL	≥ 1.0 INCH						SNOW, ICE PELLETS OR ICE AND DATE									
MAXIMUM TEMP.		MINIMUM TEMP.				37	1225	THUNDERSTORMS		2		PRECIPITATION		SNOW, ICE PELLETS									
≥ 90°		≤ 32°		≤ 32°		≤ 0°		HEAVY FOG		2		1.17		06-07		0.0		0					
1		0		0		0		13		-88		CLEAR		5		PARTLY CLOUDY		9		CLOUDY		16	

* 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

Kenneth D. Walden
 DIRECTOR NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

SEP 1992
RICHMOND, VA 13740

HOUR	L. S. T.	VIST-BILITY			TEMPERATURE				WIND			SKY COVER (TENTHS)	VIST-BILITY			TEMPERATURE				WIND																							
		CEILING IN HUNDREDS OF FEET	WHOLE MILES	16THS MILE	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	CEILING IN HUNDREDS OF FEET		WHOLE MILES	16THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)																						
SEP 1st																						SEP 2nd											SEP 3rd										
01	4	UNL	7		68	66	64	87	36	7		3	UNL	7		64	62	60	87	13	3		10	120	6		H	73	70	68	84	17	11										
04	7	UNL	7		64	60	57	78	36	7		6	UNL	6	F	63	62	61	93	00	0		9	UNL	6		H	71	69	68	90	17	9										
07	0	UNL	10		65	60	57	76	36	6		10	UNL	8		67	65	63	87	15	5		10	8	2		F	72	70	69	90	18	10										
10	0	UNL	10		77	65	57	50	03	5		10	150	8		78	69	63	60	18	11		8	120	6		H	82	73	69	65	18	13										
13	1	UNL	10		81	65	55	41	33	4		10	UNL	8		82	71	65	57	13	11		8	120	7		H	86	75	70	59	19	14										
16	10	UNL	8		80	66	57	45	08	7		9	UNL	7		83	74	69	63	16	11		10	250	7		H	83	74	70	65	18	9										
19	10	UNL	8		72	65	61	69	14	4		10	250	6	H	76	72	70	82	14	7		10	33	6		TRWF	74	72	71	90	35	4										
22	10	UNL	7		65	63	61	87	11	6		10	UNL	6		73	68	65	76	14	8		5	UNL	5		F	71	71	71	100	11	4										
SEP 4th																						SEP 5th											SEP 6th										
01	4	UNL	5	F	70	69	69	97	18	5		10	22	6	F	71	70	70	97	14	4		10	9	6	F	70	70	70	100	10	4											
04	0	UNL	2	8	70	69	69	97	19	5		10	150	5	RWF	71	70	70	97	34	3		10	90	4	F	71	70	70	97	08	5											
07	8	UNL	2	8	72	71	70	94	22	3		9	150	5	H	72	71	71	97	02	4		10	35	2	F	72	71	71	97	15	5											
10	10	200	5	8	80	75	72	77	04	6		10	9	2	FH	76	74	73	91	06	6		10	8	6	RF	74	72	71	90	21	10											
13	10	UNL	5	6	84	75	71	65	01	4		10	UNL	3	H	85	75	70	61	08	4		10	19	7	F	79	73	70	74	20	8											
16	6	250	6	6	84	75	71	65	05	5		10	UNL	4	H	80	75	73	79	05	10		8	100	8		83	74	70	65	18	7											
19	10	250	6	6	78	74	72	82	11	9		10	80	7	H	74	72	71	90	05	7		10	27	7	RW	72	71	71	97	03	5											
22	10	150	6	6	73	72	71	94	15	5		10	90	6	F	72	71	70	94	12	4		10	34	7		72	71	71	97	11	5											
SEP 7th																						SEP 8th											SEP 9th										
01	10	8	6	RF	72	71	71	97	12	4		5	UNL	6	F	70	70	70	100	01	3		6	150	6	F	71	71	71	100	34	6											
04	10	5	4	RWF	72	72	72	100	00	0		9	3	3	F	70	70	70	100	34	5		0	UNL	3	F	71	70	70	97	16	6											
07	10	2	2	F	70	70	70	100	34	6		9	80	0	F	69	69	69	100	11	5		10	2	0	F	71	71	71	100	00	0											
10	10	4	5	F	71	70	69	93	35	7		10	5	2	F	75	72	71	87	17	3		0	UNL	6	H	84	76	72	67	22	4											
13	8	20	7		79	73	70	74	30	9		5	UNL	6	H	84	75	71	65	17	8		4	UNL	7		88	76	71	57	17	10											
16	7	45	7		82	75	72	72	36	7		0	UNL	7		85	75	70	61	15	6		2	UNL	7		88	76	71	57	14	8											
19	10	17	7		75	74	73	94	07	5		8	UNL	7		77	74	72	85	14	6		0	UNL	7		79	75	73	82	13	5											
22	9	31	7		73	72	71	94	07	5		8	UNL	7		73	72	71	94	13	4		0	UNL	8		75	73	72	90	17	5											
SEP 10th																						SEP 11th											SEP 12th										
01	1	UNL	8		71	70	70	97	16	6		10	130	7		68	67	67	97	23	4		0	UNL	10		58	55	52	81	34	5											
04	7	150	6	F	71	71	71	100	17	6		8	120	5	F	67	67	67	100	36	7		0	UNL	10		55	53	52	90	34	4											
07	5	UNL	7		74	73	72	94	17	8		10	17	2	F	69	68	68	97	36	5		0	UNL	7		57	54	52	84	33	7											
10	9	150	7		81	74	71	72	22	11		10	40	7		70	65	62	76	36	14		4	UNL	8		68	61	56	66	01	5											
13	4	UNL	10		87	75	70	57	19	11		8	50	10		75	66	60	60	35	7		5	UNL	10		71	60	51	49	36	6											
16	2	UNL	10		87	75	70	57	17	12		8	70	10		75	66	61	62	34	8		5	UNL	10		71	60	51	49	04	4											
19	0	UNL	10		77	73	71	82	16	5		0	UNL	10		67	62	59	76	36	5		5	UNL	10		63	59	55	75	03	5											
22	10	130	8		75	72	71	87	16	5		0	UNL	10		63	59	55	75	35	6		0	UNL	10		57	55	54	90	00	0											
SEP 13th																						SEP 14th											SEP 15th										
01	0	UNL	10		55	52	50	83	34	3		0	UNL	10		55	55	54	97	35	3		0	UNL	8		57	56	56	97	00	0											
04	0	UNL	8		53	51	50	90	33	5		0	UNL	8		53	53	52	96	34	5		0	UNL	8		55	54	53	93	34	4											
07	0	UNL	7		55	53	52	90	34	6		0	UNL	7		56	55	54	93	36	4		0	UNL	7		56	56	55	97	34	4											
10	2	UNL	10		71	62	56	59	05	9		3	UNL	10		69	61	56	63	06	9		0	UNL	10		71	64	59	66	05	8											
13	9	47	10		74	62	54	50	01	6		2	UNL	10		75	63	54	48	05	8		1	UNL	10		77	64	56	48	06	6											
16	9	UNL	10		72	61	53	51	01	5		3	UNL	10		75	63	55	50	08	7		2	UNL	10		79	67	59	51	06	5											
19	8	UNL	10		64	59	56	75	07	7		0	UNL	10		64	60	57	78	09	5		0	UNL	10		70	65	62	76	03	3											
22	5	UNL	10		59	57	56	90	01	3		0	UNL	10		60	58	57	90	00	0		0	UNL	10		62	61	61	97	02	4											
SEP 16th																						SEP 17th											SEP 18th										
01	0	UNL	7		59	59	59	100	33	3		0	UNL	5	F	61	61	61	100	00	0		2	UNL	6	F	68	67	67	97	18	4											
04	9	UNL	0	2	58	58	58	100	00	0		0	UNL	5	F	59	58	58	97	31	3		0	UNL	4	F	69	68	68	97	22	5											
07	10	1	0	2	63	63	63	100	00	0		0	UNL	4	F	62	61	60	93	00	0		7	UNL	5	F	70	69	69	97	19	5											
10	7	9	5		73	68	65	76	11	4		0	UNL	6	H	80	71	67	65	22	7		9	UNL	7		81	74	71	72	22	8											
13	0	UNL	8		80	68	61	52	04	3		7	50	7		86	72	64	48	25	7		9	35	7		87	75	70	57	19	14											
16	1	UNL	7		82	68	60	47	20	5		2	UNL	7		85	72	66	53	21	7		9	250	10		85	74	68	57	19	15											
19	0	UNL	5		70	66	63	79	13	4		5	UNL	7		75	71	69	82	15	3		10	250	15		76	71	68	76	18	9											
22	0	UNL	5		64	62	61	90	13	3		2	UNL	6	F	72	71	70	94	00	0		10	150	10		75	71	69	82	20	8											

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.16	0.26	0.33	0.39	0.45	0.47	0.48	0.49	0.49	0.49	0.51	0.58
ENDED: DATE	06	06	03	03	03	07	07	07	07	07	06	06
ENDED: TIME	1826	1830	1715	1720	1724	0505	0505	0512	0512	0512	2047	2159

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.

OBSERVATIONS AT 3-HOUR INTERVALS

SEP 1992 RICHMOND, VA 13740

HOUR L.S.T.	VISI-BILITY			WEATHER	TEMPERATURE				WIND		SKY COVER (TENTHS)	VISI-BILITY			WEATHER	TEMPERATURE				WIND																																													
	CEILING IN HUNDREDS OF FEET	WHOLE MILES	1/8THS MILE		AIR of	WET BULB of	DEW POINT of	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		CEILING IN HUNDREDS OF FEET	WHOLE MILES	1/8THS MILE		AIR of	WET BULB of	DEW POINT of	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)																																												
SEP 19th																						SEP 20th																						SEP 21st																					
01	10	150	10		72	70	69	90	19	9	10	48	8		67	65	63	87	36	5	10	32	7		67	64	62	84	06	4																																			
04	8	11	10		72	71	70	94	19	9	10	40	8		65	64	63	93	35	7	10	34	7		67	64	62	84	06	4																																			
07	10	85	7	RW	71	70	70	97	18	6	10	41	8		65	63	62	90	01	7	10	40	7		68	66	64	87	07	4																																			
10	10	150	7		77	73	71	82	23	6	10	42	8		70	66	63	79	05	7	10	45	7		74	70	68	82	05	4																																			
13	10	22	8		78	70	66	67	35	14	10	45	8		75	67	63	66	07	8	10	25	8		82	74	70	67	07	6																																			
16	9	250	8		75	69	65	71	03	11	9	120	8		75	68	64	69	07	7	10	70	8		81	75	72	74	08	7																																			
19	10	35	8		71	68	66	84	01	6	10	85	8		70	66	63	79	08	7	8	50	7		75	74	73	94	09	6																																			
22	10	37	8		68	66	65	90	36	6	10	35	7		68	64	61	78	05	6	10	50	7		74	73	73	97	14	6																																			
SEP 22nd																						SEP 23rd																						SEP 24th																					
01	10	5	7		74	73	73	97	17	4	10	120	7		72	71	70	94	02	7	0	UNL	10		52	48	43	72	36	13																																			
04	10	4	7		74	73	73	97	17	6	10	120	8		68	64	61	78	36	13	0	UNL	10		49	46	42	77	36	12																																			
07	10	4	1	12 LF	75	74	74	97	21	6	10	70	8	RW	63	57	52	68	34	20	3	UNL	15		49	47	44	83	36	12																																			
10	9	150	10		82	76	73	74	18	9	6	250	12		62	54	46	56	34	13	8	250	15		62	55	48	60	36	15																																			
13	10	UNL	10		89	76	71	55	20	12	3	UNL	12		67	56	47	49	36	12	8	44	12		65	56	49	56	02	10																																			
16	8	250	10		88	76	71	57	21	11	4	UNL	12		66	55	45	47	01	14	10	41	8		60	54	48	65	01	17																																			
19	7	250	8		79	74	72	79	20	6	3	UNL	10		57	52	48	72	34	6	10	32	8		59	53	48	67	02	11																																			
22	10	75	7		78	75	73	85	27	5	1	UNL	10		55	50	45	69	36	11	10	25	8		57	53	49	75	02	11																																			
SEP 25th																						SEP 26th																						SEP 27th																					
01	10	20	7		56	53	51	83	35	10	4	UNL	7		57	55	54	90	28	6	10	23	7		67	66	65	93	20	4																																			
04	10	8	7	L	54	53	52	93	35	11	0	UNL	7		54	53	52	93	25	4	10	18	7		66	65	64	93	18	4																																			
07	10	5	2	LF	54	54	53	96	34	11	1	UNL	5	F	56	55	54	93	20	4	10	17	7		68	66	65	90	17	3																																			
10	10	4	1	LF	56	55	55	97	35	11	1	UNL	10		70	62	56	61	22	4	10	20	7		75	71	69	82	19	6																																			
13	10	7	5	LF	56	55	55	97	34	16	8	UNL	12		73	65	59	62	13	6	10	30	7		82	75	71	69	26	10																																			
16	10	7	5	LF	57	56	55	93	32	16	9	250	12		75	67	62	64	17	6	8	120	12		78	75	74	88	22	7																																			
19	10	5	2	LF	56	55	55	97	33	12	10	31	12		71	67	65	81	12	5	10	32	5		73	72	72	97	24	4																																			
22	10	11	7		58	56	54	87	29	8	5	UNL	10		67	66	65	93	12	4	10	48	4		72	72	72	100	31	4																																			
SEP 28th																						SEP 29th																						SEP 30th																					
01	10	1	2	F	70	70	70	100	14	4	10	4	1	8 RLF	61	60	60	97	34	9	3	UNL	10		51	45	38	61	35	10																																			
04	10	45	2	RF	70	70	70	100	34	5	10	70	1	8 F	59	59	59	100	35	6	0	UNL	10		45	42	39	80	36	8																																			
07	10	21	6	F	67	65	63	87	01	8	9	100	7		58	56	54	87	35	12	0	UNL	8		45	43	40	83	35	8																																			
10	10	21	7		68	64	62	81	01	9	8	UNL	8		58	52	47	67	36	16	2	UNL	10		56	48	39	53	01	13																																			
13	10	18	7		68	63	60	76	01	8	3	UNL	10		67	53	40	37	36	14	0	UNL	10		62	50	38	41	01	11																																			
16	10	16	7		65	63	61	87	35	11	4	UNL	10		67	54	41	39	33	11	2	UNL	15		61	50	38	43	35	12																																			
19	10	15	8		63	61	59	87	01	7	4	UNL	10		57	49	41	55	36	9	0	UNL	15		52	47	42	69	36	3																																			
22	10	4	1	8 LF	60	59	59	97	35	8	6	UNL	10		53	47	41	64	35	12	0	UNL	10		46	45	43	89	34	5																																			

SUMMARY BY HOURS

HOUR L.S.T.	SKY COVER (TENTHS)	AVERAGES						RESULTANT WIND	
		STATION PRESSURE (INCHES)	TEMPERATURE			WIND SPEED (MPH)	DIRECTION	SPEED (MPH)	
			AIR TEMP of	WET BULB of	DEW POINT of				
01	6	29.965	65	63	62	91	6.1	36	1.1
04	6	29.955	64	62	61	93	6.4	35	2.2
07	7	29.990	64	63	62	91	7.1	35	2.5
10	7	30.010	72	66	63	72	9.7	01	2.1
13	7	29.970	77	68	61	59	10.2	01	1.5
16	7	29.940	77	68	62	62	10.3	05	1.7
19	6	29.950	70	66	63	81	6.9	06	2.8
22	6	29.970	66	64	63	88	6.2	05	1.6

WEATHER CODES

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

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).

