



# LOCAL CLIMATOLOGICAL DATA MONTHLY SUMMARY

INQUIRIES/COMMENTS CALL  
 (704) 271-4800 VOICE  
 271-4010 TDD/271-4876 FAX

R.E.BYRD INTERNATIONAL AP.

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

MAY 1994  
 RICHMOND, VA

DATE	TEMPERATURE ° F					DEGREE DAYS BASE 65 ° F		WEATHER TYPES 1 FOG 2 HEAVY FOG 3 THUNDERSTORMS 4 ICE PELLETS 5 HAIL 6 GLAZE 7 DUST/STORM 8 SMOKE, HAZE 9 BLOWING SNOW	SNOW/ICE ON GRD AT 0700 (IN.)	PRECIPITATION (INCHES)		AVERAGE STATION PRESSURE (INCHES OF Hg) ELEV. 177 (FT. MSL)	WIND (M.P.H.)					SUNSHINE		SKY COVER TENDERS						
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT	HEATING	COOLING			WATER EQUIVALENT	SNOW ICE PELLETS		RESULTANT DIR	RESULTANT SPEED	AVERAGE SPEED	PEAK GUST		MINUTES	PERCENT POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT					
																SPEED	DIR					SPEED	DIR			
01	82	52	67	5	58	0	2	1	0	0.20	0.0	29.745	24	5.2	13.6	26	N	17	36	310	38	6	6			
02	64	45	55	-7	37	10	0		0	0.00	0.0	30.030	36	8.8	9.7	25	N	17	35	780	94	1	1			
03	68	43	56	-6	42	9	0	1	0	0.16	0.0	30.090	06	7.4	9.4	22	NE	15	09	635	77	5	5			
04	53	47	50*	-13	50	15	0	1	0	0.96	0.0	29.860	02	10.1	11.1	22	N	16	03	0	0	10	10			
05	68	51	60	-3	51	5	0	1	0	0.20	0.0	29.780	30	7.6	9.2	17	NW	14	26	65	8	9	8			
06	74	52	63	0	50	2	0	1	8	0	0.00	0.0	29.800	25	8.2	9.6	26	SW	16	26	301	36	10	7		
07	76	54	65	2	54	0	0		8	0	0.00	0.0	29.730	13	4.6	8.0	24	S	15	18	221	26	8	9		
08	71	48	60	-4	50	5	0	1	8	0	0.06	0.0	29.590	28	7.4	10.4	29	SW	17	31	82	10	9	8		
09	75	45	60	-4	45	5	0	1	8	0	0.00	0.0	29.780	21	7.9	9.3	23	SW	14	21	601	72	3	2		
10	72	49	61	-3	48	4	0			T	0.0	29.860	01	0.7	5.4	14	N	12	36	252	30	8	5			
11	77	45	61	-4	46	4	0	1		0	0.00	0.0	29.920	19	6.7	7.4	21	S	13	18	739	88	5	5		
12	81	53	67	2	50	0	2			T	0.0	29.670	26	7.2	14.8	32	N	21	25	711	84	7	6			
13	71	44	58	-7	39	7	0			0	0.00	0.0	29.860	32	5.6	8.7	25	N	14	34	755	89	6	4		
14	79	45	62	-3	48	3	0	1		0	0.00	0.0	29.900	16	2.2	6.3	16	S	10	21	849	100	6	4		
15	87	57	72	6	59	0	7	3	8	0	0.11	0.0	29.705	20	10.2	11.7	32	SW	20	22	756	89	7	6		
16	83	60	72	6	53	0	7	1	8	0	0.02	0.0	29.600	29	8.4	11.7	23	N	18	36	804	94	2	5		
17	69	52	61	-5	44	4	0			0	0.00	0.0	29.750	33	11.5	11.8	26	NW	17	34	625	73	7	7		
18	65	52	59	-8	43	6	0			T	0.0	29.790	33	8.8	9.1	17	NW	14	34	311	36	10	9			
19	61	49	55	-12	47	10	0	1		0	0.01	0.0	29.820	36	8.5	9.0	15	N	14	01	123	14	10	10		
20	60	45	53	-14	46	12	0	1		0	T	0.0	29.870	02	7.8	8.1	17	NE	14	04	243	28	10	9		
21	73	45	59	-8	46	6	0	1		0	0.00	0.0	29.880	02	7.4	8.2	22	NE	14	03	578	67	4	4		
22	82	46	64	-4	47	1	0	1		0	0.00	0.0	29.800	02	5.5	6.4	17	NE	14	03			4	3		
23	91*	54	73	5	54	0	8	3		0	0.01	0.0	29.660	31	6.4	7.9	25	SW	13	33	727	84	3	4		
24	90	63	77	9	56	0	12			0	T	0.0	29.690	22	1.9	8.3	16	S	12	22	761	88	6	6		
25	89	65	77*	8	62	0	12	1	3	5	8	0	0.68	T	29.560	19	4.3	8.3	45	W	28	27	562	65	9	8
26	83	63	73	4	64	0	8	1	8	0	0.08	0.0	29.480	20	10.6	11.0	24	SW	22	21	655	76	9	9		
27	68	49	59	-10	45	6	0	1		0	0.00	0.0	29.715	33	9.9	11.1	26	N	20	33	825	95	2	3		
28	74	43*	59	-10	40	6	0			0	0.00	0.0	29.960	30	1.2	6.6	15	SW	10	23	849	98	1	1		
29	81	50	66	-4	51	0	1			0	0.00	0.0	30.020	16	8.2	9.4	24	SE	13	17	811	93	2	1		
30	83	57	70	0	54	0	5			0	0.00	0.0	30.070	16	6.8	8.6	20	SE	14	11	821	94	1	1		
31	84	58	71	1	59	0	6			0	0.00	0.0	29.930	16	6.5	6.9	21	S	12	13	711	81	8	5		
SUM	SUM				TOTAL	TOTAL		NUMBER OF DAYS		TOTAL	TOTAL	FOR THE MONTH :					TOTAL	%	SUM	SUM						
2334	1581				120	70				2.49	T	29.805	29	1.9	9.3	45	W	28	27	16463	FOR	188	171			
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.		PRECIPITATION		DEP.						DATE:25	DATE:25		POSS	MONTH	AVG	AVG				
75.3	51.0	63.2	-2.8	49.6	59	-22		≥ .01 INCH	11	-1.35									26382	62	6.1	5.5				
NUMBER OF DAYS					SEASON TO DATE	SNOW, ICE PELLETS	GREATEST IN 24 HOURS AND DATES					GREATEST DEPTH ON GROUND OF SNOW, ICE PELLETS OR ICE														
TOTAL					TOTAL	≥ 1.0 INCH	AND DATE					AND DATE														
MAXIMUM TEMP.		MINIMUM TEMP.		3881	155	THUNDERSTORMS	3	PRECIPITATION	SNOW, ICE PELLETS																	
≥ 90°	≤ 32°	≤ 32°	≤ 0°	DEP.	DEP.	HEAVY FOG	0	1.07	03-04	trace	25															
2	0	0	0	-82	53	CLEAR	8	PARTLY CLOUDY	11	CLOUDY	12															

\* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE. 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.  
 T TRACE AMOUNT.  
 + ALSO ON EARLIER DATE(S).  
 HEAVY FOG: VISIBILITY 1/4 MILE OR LESS.  
 BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA.  
 COLS 16 & 17 : PEAK GUST - HIGHEST INSTANTANEOUS WIND SPEED.  
 ONE OF TWO WINDS 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.

*Kenneth D. Hodson*

**noaa**

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE, NORTH CAROLINA

DIRECTOR NATIONAL CLIMATIC DATA CENTER

# OBSERVATIONS AT 3-HOUR INTERVALS

MAY 1994 13740  
RICHMOND, VA

HOUR	L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET		VISIBILITY		WEATHER	TEMPERATURE				WIND		SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET		VISIBILITY		WEATHER	TEMPERATURE				WIND																																												
			WHOLE MILES	16THS MILE	AIR ° F	WET BULB ° F		DEW POINT ° F	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	WHOLE MILES	16THS MILE		AIR ° F	WET BULB ° F	DEW POINT ° F	REL HUMIDITY %		DIRECTION	SPEED (KNOTS)	WHOLE MILES	16THS MILE	AIR ° F	WET BULB ° F	DEW POINT ° F	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)																																							
MAY 01																							MAY 02																							MAY 03																						
01	04	07	10	13	16	19	22	01	04	07	10	13	16	19	22	01	04	07	10	13	16	19	22																																													
7	10	13	16	19	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																																													
180	150	110	95	UNL	UNL	UNL	UNL	UNL	UNL	UNL	UNL	UNL	UNL	UNL	UNL	UNL	UNL	UNL	UNL	UNL	UNL	UNL																																														
8	8	7	7	7	7	12	12	12	12	12	12	12	12	12	10	10	10	10	10	10	10	10																																														
MAY 04																							MAY 05																							MAY 06																						
01	04	07	10	13	16	19	22	01	04	07	10	13	16	19	22	01	04	07	10	13	16	19	22																																													
35	43	13	16	9	8	8	7	RF	RF	R	RF	LF	RWF	RF	LF	RLF	RLF	RLF	RLF	H	H	H	H																																													
6	6	2	2	3	2	2	4	50	49	48	52	52	51	52	51	51	51	51	55	52	50	60																																														
7	7	7	7	3	2	2	4	93	93	93	96	96	96	96	100	96	96	96	55	52	50	83																																														
6	6	2	2	3	2	2	4	04	03	04	02	02	02	02	33	33	33	33	6	6	6	24																																														
MAY 07																							MAY 08																							MAY 09																						
01	04	07	10	13	16	19	22	01	04	07	10	13	16	19	22	01	04	07	10	13	16	19	22																																													
95	110	43	80	95	UNL	UNL	UNL	RWF	63	61	60	63	63	63	H	50	48	46	86	22	5																																															
7	7	7	7	7	5	5	6	70	62	56	61	18	13	0	50	48	46	86	22	5																																																
7	7	7	7	7	5	5	6	63	61	60	90	19	9	0	50	47	43	77	27	7																																																
7	7	7	7	7	5	5	6	64	61	59	84	28	7	10	54	49	44	69	24	5																																																
7	7	7	7	7	5	5	6	63	55	48	58	29	10	5	68	55	43	41	18	7																																																
7	7	7	7	7	5	5	6	67	55	44	44	33	13	0	72	57	44	37	20	11																																																
7	7	7	7	7	5	5	6	63	53	44	50	32	11	0	74	59	46	37	21	12																																																
7	7	7	7	7	5	5	6	61	53	45	56	30	7	0	67	56	46	47	19	9																																																
7	7	7	7	7	5	5	6	50	48	46	86	00	0	0	58	53	49	72	18	7																																																
MAY 10																							MAY 11																							MAY 12																						
01	04	07	10	13	16	19	22	01	04	07	10	13	16	19	22	01	04	07	10	13	16	19	22																																													
UNL	UNL	95	110	70	70	100	UNL	49	47	45	86	00	0	64	57	52	65	19	12																																																	
7	7	7	7	7	7	7	7	46	45	44	93	00	0	63	59	56	78	20	10																																																	
7	7	7	7	7	7	7	7	57	53	49	75	00	0	67	62	59	76	21	13																																																	
7	7	7	7	7	7	7	7	70	57	45	41	18	10	90	73	63	57	57	24	11																																																
7	7	7	7	7	7	7	7	75	58	44	33	19	6	9	80	65	55	42	22	15																																																
7	7	7	7	7	7	7	7	77	60	46	33	21	10	3	80	60	45	29	31	14																																																
7	7	7	7	7	7	7	7	67	58	50	55	18	7	0	67	54	43	42	34	17																																																
7	7	7	7	7	7	7	7	64	55	47	54	16	9	0	57	48	38	49	35	14																																																
MAY 13																							MAY 14																							MAY 15																						
01	04	07	10	13	16	19	22	01	04	07	10	13	16	19	22	01	04	07	10	13	16	19	22																																													
UNL	UNL	UNL	UNL	UNL	UNL	UNL	UNL	50	49	47	90	00	0	59	54	50	72	19	7																																																	
7	7	7	7	7	7	7	7	46	45	44	93	00	0	57	53	50	78	17	6																																																	
7	7	7	7	7	7	7	7	55	50	45	69	04	8	7	64	58	53	68	19	11																																																
10	2	UNL	UNL	UNL	UNL	UNL	UNL	68	56	45	44	03	4	9	77	67	61	58	20	13																																																
10	2	UNL	UNL	UNL	UNL	UNL	UNL	75	59	46	36	24	4	7	85	70	62	46	22	13																																																
10	2	UNL	UNL	UNL	UNL	UNL	UNL	79	62	50	36	20	9	8	87	71	63	45	22	11																																																
10	2	UNL	UNL	UNL	UNL	UNL	UNL	70	60	52	53	18	7	5	80	70	64	58	19	11																																																
10	2	UNL	UNL	UNL	UNL	UNL	UNL	60	56	53	78	12	5	10	68	66	64	87	36	12																																																
MAY 16																							MAY 17																							MAY 18																						
01	04	07	10	13	16	19	22	01	04	07	10	13	16	19	22	01	04	07	10	13	16	19	22																																													
80	120	UNL	UNL	UNL	UNL	UNL	UNL	59	52	46	62	34	8	45	54	49	43	67	32	8																																																
7	7	7	7	7	7	7	7	55	49	43	64	35	7	10	53	48	42	66	33	6																																																
6	6	7	7	7	7	7	7	56	49	42	60	35	11	10	53	48	43	69	33	7																																																
7	7	7	7	7	7	7	7	60	51	43	54	32	15	6	61	53	46	58	32	8																																																
7	7	7	7	7	7	7	7	66	55	46	49	34	12	10	62	54	47	58	33	9																																																
7	7	7	7	7	7	7	7	66	55	45	47	34	13	10	62	53	45	54	30	7																																																
7	7	7	7	7	7	7	7	59	51	42	54	35	12	9	59	51	42	54	34	7																																																
7	7	7	7	7	7	7	7	56	49	42	60	34	10	8	54	48	41	62	34	8																																																

## MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.20	0.29	0.31	0.32	0.33	0.36	0.50	0.51	0.51	0.55	0.55	0.55
ENDED: DATE	25	25	25	25	25	25	25	25	25	25	25	25
ENDED: TIME (LST)	1812	1817	1817	1825	1836	1851	1904	1922	1922	1859	1859	1859

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

MAY 1994 13740  
RICHMOND, VA

HOUR	L.S.T.	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES VISIBILITY	WEATHER	TEMPERATURE				WIND		SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES VISIBILITY	WEATHER	TEMPERATURE				WIND		SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES VISIBILITY	WEATHER	TEMPERATURE				WIND																																																					
						AIR °F	WET BULB °F	DEW POINT °F	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)					AIR °F	WET BULB °F	DEW POINT °F	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)					AIR °F	WET BULB °F	DEW POINT °F	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)																																																				
MAY 19																												MAY 20																												MAY 21																											
01	10	37	7			52	47	42	69	34	9	10	19	7			52	50	48	86	07	5	10	UNL	8					47	46	45	93	34	6																																																
04	10	75	7			52	47	42	69	36	8	10	36	7			51	50	48	90	01	6	8	31	6					47	46	45	93	01	5																																																
07	10	29	7			52	48	44	74	35	7	10	12	12			52	50	47	83	02	6	10	28	7					50	48	46	86	01	7																																																
10	10	60	7			56	51	46	69	34	9	6	90	10			56	50	44	64	36	7	7	31	8					62	54	46	56	04	10																																																
13	10	12	2		RF	54	52	51	90	35	10	10	41	10			58	51	44	60	04	8	2	UNL	10					69	57	46	44	36	10																																																
16	10	50	7			60	53	47	62	02	8	10	9	8			51	50	49	93	03	8	1	UNL	10					72	58	47	41	02	8																																																
19	10	55	7			56	52	48	75	35	9	6	10	16	7			52	49	46	80	04	9	1	UNL	10			67	56	46	47	05	7																																																	
22	10	55	7		RW	53	51	50	90	02	6	4	UNL	8			47	46	45	93	35	6	1	UNL	10					55	51	48	77	00	0																																																
MAY 22																												MAY 23																												MAY 24																											
01	0	UNL	10			50	49	47	90	00	0	0	UNL	10			56	53	50	80	24	3	4	UNL	7					74	65	59	60	31	6																																																
04	0	UNL	4		F	47	46	45	93	36	3	5	UNL	10			63	55	48	58	25	6	5	UNL	7					63	60	57	81	32	6																																																
07	2	UNL	8			57	54	51	81	36	6	0	UNL	8			69	59	52	55	29	8	5	UNL	10					71	61	53	53	35	6																																																
10	5	UNL	8			73	58	46	38	02	10	5	UNL	10			84	66	55	37	33	11	1	UNL	10					82	64	51	34	36	5																																																
13	6	UNL	10			79	62	49	35	06	9	7	UNL	10			89	67	53	29	33	9	4	UNL	10					88	66	51	28	21	10																																																
16	6	250	10			81	61	45	28	01	8	1	UNL	10			89	67	53	29	25	7	10	UNL	7					88	68	55	33	18	9																																																
19	3	UNL	10			74	58	45	36	05	6	3	UNL	8			85	66	53	33	26	5	10	UNL	7					79	68	62	56	14	8																																																
22	0	UNL	10			61	55	50	67	00	0	10	130	8			75	66	60	60	32	5	9	UNL	7					71	64	59	66	14	6																																																
MAY 25																												MAY 26																												MAY 27																											
01	2	UNL	7			69	62	58	68	18	7	10	75	4			66	65	64	93	17	7	10	8	5					65	61	58	78	24	7																																																
04	10	80	7			69	63	59	71	32	4	5	UNL	3		F	65	64	63	93	19	6	7	85	6					65	63	62	90	31	6																																																
07	10	150	6		TH	67	63	61	81	13	9	3	UNL	2		F	68	66	64	87	18	8	0	UNL	10					56	50	44	64	35	16																																																
10	10	150	5		TH	73	69	67	82	16	8	10	UNL	3		H	78	70	65	64	22	10	4	UNL	10					61	52	43	52	35	10																																																
13	3	UNL	5		H	85	72	66	53	19	11	10	100	3		RWH	80	70	64	58	20	13	3	UNL	12					66	54	42	42	35	12																																																
16	8	55	5		TRWH	74	65	59	60	32	10	10	150	3		H	80	71	66	63	21	11	1	UNL	12					67	53	38	35	31	9																																																
19	10	55	3		TRWH	68	64	61	78	33	11	10	80	2		RWH	71	68	67	87	21	11	0	UNL	12					62	50	37	40	36	9																																																
22	10	95	3		RWF	67	65	63	87	27	6	10	120	5		FH	67	65	64	90	19	7	0	UNL	12					53	47	41	64	35	4																																																
MAY 28																												MAY 29																												MAY 30																											
01	0	UNL	10			48	45	42	80	34	7	0	UNL	10			53	50	46	77	13	6	0	UNL	10					64	57	52	65	18	9																																																
04	0	UNL	10			46	43	39	77	33	6	0	UNL	7			50	48	45	83	18	3	0	UNL	10					57	55	54	90	18	6																																																
07	0	UNL	15			55	49	42	62	33	7	0	UNL	7			59	53	48	67	19	7	0	UNL	7					65	60	56	73	22	6																																																
10	0	UNL	15			65	50	34	32	07	5	1	UNL	10			73	61	52	48	22	9	0	UNL	10					75	63	54	48	25	8																																																
13	4	UNL	15			70	53	36	29	28	4	5	UNL	8			79	64	54	42	15	9	3	UNL	12					80	64	52	38	16	10																																																
16	0	UNL	15			73	55	37	27	23	9	3	UNL	8			79	64	54	42	18	10	1	UNL	12					81	64	52	37	15	10																																																
19	0	UNL	15			67	55	45	45	18	7	0	UNL	8			73	63	56	55	15	7	0	UNL	12					74	64	58	58	11	12																																																
22	0	UNL	15			56	50	45	67	12	4	0	UNL	8			65	58	52	63	14	9	0	UNL	12					64	59	56	75	13	6																																																
MAY 31																												MAY 31																												MAY 31																											
01	0	UNL	10			61	55	50	67	17	4																																																																								
04	7	55	7			60	58	56	87	14	4																																																																								
07	5	UNL	7			67	62	58	73	14	5																																																																								
10	10	200	8			76	66	60	58	16	5																																																																								
13	8	UNL	8			82	66	55	40	16	8																																																																								
16	6	250	10			82	67	57	43	18	9																																																																								
19	5	UNL	10			76	68	63	64	13	10																																																																								
22	0	UNL	8			67	64	62	84	16	6																																																																								

## SUMMARY BY HOURS

HOUR	L.S.T.	SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	AVERAGES			REL HUMIDITY %	SPEED (MPH)	RESULTANT	
				TEMPERATURE					DIRECTION	SPEED (MPH)
				AIR °F	WET BULB °F	DEW POINT °F				
01	5	29.800	57	53	50	77	7.8	25	1.7	
04	5	29.800	55	52	49	82	7.2	30	2.0	
07	5	29.830	59	54	50	74	8.8	32	2.4	
10	6	29.840	67	57	49	56	10.5	31	2.7	
13	7	29.810	72	59	49	48	11.2	27	2.8	
16	6	29.770	73	59	49	46	11.1	27	3.7	
19	6	29.780	67	58	50	56	9.9	35	0.5	
22	5	29.810	59	54	50	72	7.2	36	1.5	

## WEATHER CODES AND NOTES

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

CEILING: UNL INDICATES UNLIMITED  
 WIND DIRECTION: DIRECTIONS ARE THOSE FROM WHICH THE WIND IS BLOWING, 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 (MPH=KNOTS X 1.15).

