



# LOCAL CLIMATOLOGICAL DATA Monthly Summary

INQUIRIES/COMMENTS CALL  
 (704) 271-4800

R. E. BYRD INTERNATIONAL AP.

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

NOV 1993  
 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 H.S.L.	WIND (M.P.H.)				SUNSHINE		SKY COVER (TENTHS)			
	MAXIMUM	MINIMUM	AVERAGE	DEPARTURE FROM NORMAL	AVERAGE DEW POINT	HEATING (SEASON BEGINS WITH JUL)	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		
01	54	34	44	-10	29	21	0		0	0.00	0.0	29.850	28	11.9	13.0	31	W	21	28	596	94	4	2
02	55	28	42	-11	28	23	0		0	0.00	0.0	30.260	35	1.6	5.1	21	N	17	34	539	85	8	7
03	53	35	44	-9	35	21	0		0	T	0.0	30.070	20	7.9	9.0	16	SW	15	15	81	13	9	7
04	67	31	49	-4	40	16	0	1	8	0	0.0	29.960	17	5.7	6.9	17	SW	13	21	589	93	1	2
05	64	56	60	7	59	5	0	1		0	0.22	29.625	19	10.7	11.3	18	S	14	20	0	0	10	10
06	61	35	48	-4	48	17	0	1		0	0.52	29.620	35	4.2	7.9	21	N	15	36	2	0	10	8
07	51	33	42	-10	35	23	0	1		0	0.00	30.020	34	1.5	3.7	14	W	9	36	352	56	9	6
08	55	30	43	-9	32	22	0	1	8	0	0.00	30.280	19	2.0	4.0	14	SW	8	21	529	85	8	4
09	54	29	42	-10	35	23	0	1		0	0.00	30.210	36	5.2	5.4	12	N	9	36	379	61	9	7
10	60	34	47	-4	32	18	0	1		0	0.00	30.100	01	6.8	7.2	22	NE	14	04	397	64	5	5
11	65	29	47	-4	31	18	0	1	8	0	0.00	30.095	19	6.9	7.1	17	S	14	19	615	100	3	4
12	70	40	55	4	36	10	0	0		0	0.00	30.050	21	5.3	6.6	16	SW	12	25	475	77	9	7
13	72	50	61	10	49	4	0	0		T	0.0	30.060	18	6.7	7.7	17	S	15	18	369	60	9	9
14	81	60	71	21	62	0	6	1		0	0.00	29.950	20	12.8	12.9	28	SW	20	22	487	80	8	4
15	86*	67	77*	27	61	0	12			0	0.00	29.895	23	11.5	12.5	25	W	18	26	488	80	8	6
16	71	54	63	13	47	2	0	0		0	0.00	30.150	05	6.2	8.7	23	N	15	01	328	54	10	10
17	69	53	61	12	57	4	0	1	8	0	0.42	29.920	19	6.7	9.3	33	NW	23	27	142	23	10	9
18	62	50	56	7	43	9	0	0		T	0.0	30.000	36	7.7	10.3	32	N	17	35	462	76	9	7
19	61	49	55	6	48	10	0	1		0	0.03	29.720	26	3.7	7.9	14	SW	12	22	207	34	10	10
20	58	32	45	-3	30	20	0			0	0.00	29.680	28	9.1	10.4	26	NW	17	30	440	73	0	2
21	55	26*	41	-7	25	24	0	0		0	0.00	30.165	15	3.5	4.3	13	S	10	17	600	100	0	0
22	66	37	52	4	37	13	0	0		0	0.00	30.200	24	2.0	4.3	14	S	12	22	495	83	2	3
23	64	34	49	2	37	16	0	1		0	0.00	30.110	03	3.3	5.2	15	SE	12	12	452	76	4	2
24	66	34	50	3	37	15	0	1	8	0	0.00	29.920	36	2.0	4.3	10	NE	7	03	441	74	7	7
25	51	41	46	-1	40	19	0	1		T	0.0	30.180	03	12.2	12.5	25	NE	16	02	37	6	10	8
26	56	37	47	1	39	18	0	0		0	0.00	30.230	04	8.2	9.5	15	NE	13	12	422	71	7	8
27	68	47	58	12	58	7	0	1		1.17	0.0	29.910	10	11.5	14.3	32	SE	20	15	0	0	10	10
28	69	44	57	11	42	8	0	1		0.88	0.0	29.620	23	11.2	14.2	38	SE	26	15	405	69	9	6
29	51	29	40	-5	25	25	0	0		0.00	0.0	29.970	22	2.9	5.5	16	S	14	21	589	100	0	0
30	49	30	40*	-5	26	25	0	0		0.00	0.0	30.365	01	8.3	8.7	23	N	15	01	580	99	1	0
SUM	SUM				TOTAL	TOTAL		NUMBER OF DAYS		TOTAL	TOTAL			FOR THE MONTH:				TOTAL	%	SUM	SUM		
1864	1188				436	18				3.24	0.0	30.010	23	1.2	8.3	38	SE	26	15	11498	FOR	199	170
AVG.	AVG.	AVG.	DEP.	AVG.	DEP.	DEP.		PRECIPITATION ≥ 0.1 INCH.	6	0.07							DATE: 28	DATE: 28	POSSIBLE	MONTH	AVG.	AVG.	
62.1	39.6	50.9	1.3	40.0	-26	18														18302	6.6	5.7	
NUMBER OF DAYS						SEASON TO DATE		SNOW, ICE PELLETS ≥ 1.0 INCH		GREATEST IN 24 HOURS AND DATES				GREATEST DEPTH ON GROUND OF SNOW, ICE PELLETS OR ICE AND DATE									
MAXIMUM TEMP.		MINIMUM TEMP.		6.75	17.05	THUNDERSTORMS	0	PRECIPITATION	2.05	27-28	0.0	SNOW, ICE PELLETS	0										
≥ 90°	< 32°	< 32°	< 0°	DEP.	DEP.	HEAVY FOG	0	CLEAR	7	PARTLY CLOUDY	5	CLOUDY	18										

\* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.  
 † 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

NOV 1993  
RICHMOND, VA

13740

HOUR L.S.T.	VISIBILITY			TEMPERATURE			WIND			SKY COVER (TENTHS)	VISIBILITY			TEMPERATURE			WIND			SKY COVER (TENTHS)	VISIBILITY			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	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION		SPEED (KNOTS)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	1/8THS MILE	WEATHER	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)																																																				
NOV 1st																												NOV 2nd																												NOV 3rd																											
01	1	UNL	15	38	36	34	86	24	10	0	UNL	12																																																																							
04	0	UNL	15	38	36	33	82	24	8	0	UNL	7																																																																							
07	3	UNL	15	40	37	33	76	26	10	5	UNL	7																																																																							
10	5	UNL	15	49	41	30	48	27	17	7	UNL	10																																																																							
13	5	UNL	15	52	41	26	37	30	17	10	UNL	10																																																																							
16	1	UNL	15	52	41	25	35	29	12	9	UNL	10																																																																							
19	0	UNL	12	46	38	25	44	29	15	10	140	10																																																																							
22	0	UNL	12	41	35	26	55	29	8	10	250	10																																																																							
NOV 4th																												NOV 5th																												NOV 6th																											
01	0	UNL	10	42	39	36	79	24	6	10	75	7																																																																							
04	0	UNL	6	F	36	35	34	93	15	4	10	65	7	RW	57	54	52	84	17	9	10	250	6	F	58	58	58	100	20	6																																																					
07	0	UNL	5	F	32	32	31	96	14	4	10	70	7	R	57	55	54	90	18	10	10	160	2	F	58	57	57	97	20	6																																																					
10	0	UNL	6	F	52	46	40	64	19	6	10	9	2	R	58	57	56	93	18	10	8	65	1	F	54	54	54	100	15	4																																																					
13	1	UNL	7	H	62	51	40	45	17	8	10	11	2	R	60	59	59	97	18	12	10	45	3	F	53	51	50	90	02	13																																																					
16	3	UNL	8		65	53	42	43	19	9	10	11	2	R	62	61	61	97	19	11	10	6	2	RWF	47	46	45	93	02	8																																																					
19	0	UNL	8		53	49	45	74	17	6	10	7	2	R	63	62	62	97	18	10	10	16	2	RWF	45	45	44	96	36	9																																																					
22	10	70	7		54	50	47	77	16	8	10	19	7	F	63	62	62	97	20	10	10	45	5	F	44	43	41	89	35	4																																																					
NOV 7th																												NOV 8th																												NOV 9th																											
01	2	UNL	3	F	37	37	37	100	30	3	0	UNL	7																																																																						
04	6	55	3	F	35	35	35	100	00	0	0	UNL	7																																																																						
07	9	70	7		38	38	37	96	36	4	7	UNL	5	F	31	30	29	92	17	4	4	UNL	5	F	30	30	29	96	34	3																																																					
10	6	70	7		46	41	34	63	35	6	10	UNL	6	H	44	40	35	71	00	0	10	UNL	7		50	45	38	64	02	6																																																					
13	8	65	8		50	42	32	50	26	5	10	UNL	7		52	43	31	45	24	7	10	150	8		54	47	39	57	01	8																																																					
16	10	65	8		50	43	34	54	18	5	4	UNL	8		54	43	29	38	14	5	10	180	7		52	46	38	59	36	8																																																					
19	10	55	8		45	42	37	74	08	5	0	UNL	10		40	38	34	79	00	0	10	150	7		48	43	37	66	02	5																																																					
22	0	UNL	8		37	36	35	93	00	0	0	UNL	10		34	33	32	92	15	4	10	150	7		43	40	37	80	36	6																																																					
NOV 10th																												NOV 11th																												NOV 12th																											
01	10	150	7		44	41	37	77	35	8	0	UNL	6	F	34	33	32	92	00	0	5	UNL	8		44	39	32	63	19	9																																																					
04	10	110	7		43	40	36	76	36	7	0	UNL	6	F	30	30	29	96	00	0	2	UNL	8		44	39	31	60	21	6																																																					
07	10	95	7		43	40	36	76	34	9	0	UNL	6	F	29	28	27	92	00	0	9	250	7		42	38	32	68	19	5																																																					
10	8	120	7		50	43	33	52	01	8	8	UNL	6	H	52	44	34	51	22	7	8	UNL	7		60	48	35	39	23	10																																																					
13	6	100	10		57	44	27	32	01	12	0	UNL	7		63	48	30	29	20	10	10	UNL	7		68	52	34	29	25	8																																																					
16	0	UNL	10		58	45	27	31	03	7	1	UNL	8		63	48	30	29	19	11	5	UNL	7		69	53	38	32	21	8																																																					
19	0	UNL	10		44	39	32	63	33	4	8	UNL	8		47	41	32	56	17	8	8	UNL	8		54	47	40	59	00	0																																																					
22	0	UNL	10		38	36	33	82	00	0	8	UNL	8		49	42	33	54	19	11	10	150	8		51	46	41	69	00	0																																																					
NOV 13th																												NOV 14th																												NOV 15th																											
01	10	150	8		52	47	42	69	28	4	4	UNL	8		63	61	60	90	19	9	0	UNL	10		70	66	63	79	20	12																																																					
04	10	110	8		51	47	43	74	17	3	1	UNL	7		61	60	59	93	19	7	0	UNL	8		69	66	64	84	20	12																																																					
07	10	110	8		52	48	43	72	14	4	8	11	6	F	61	60	60	97	20	7	8	250	7		68	66	64	87	22	10																																																					
10	3	UNL	7		63	52	40	43	18	8	10	UNL	7		70	66	63	79	21	14	10	200	10		76	68	63	64	27	14																																																					
13	10	50	7		70	58	48	46	19	11	7	UNL	7		79	68	62	56	21	16	3	UNL	10		86	69	59	40	26	16																																																					
16	10	120	8		70	62	56	61	20	9	4	UNL	10		78	69	63	60	20	15	7	180	10		85	68	58	40	25	14																																																					
19	7	50	8		63	60	57	81	17	6	0	UNL	12		72	66	63	73	19	10	8	140	12		75	65	59	58	23	6																																																					
22	8	65	8		62	59	57	84	18	6	0	UNL	12		71	66	63	76	20	10	10	95	12		73	65	60	64	25	5																																																					
NOV 16th																												NOV 17th																												NOV 18th																											
01	10	65	10		69	64	61	76	23	3	10	150	7		54	51	49	83	11	4	0	UNL	7		61	60	59	93	28	8																																																					
04	10	130	10		64	56	50	61	02	11	10	60	7		54	52	50	86	00	0	0	UNL	8		58	54	50	75	31	8																																																					
07	10	50	10		60	53	47	62	03	9	10	5	7		56	53	51	83	14	4	9	UNL	7		52	49	45	77	35	10																																																					
10	10	50	8		61	52	42	50	02	11	10	5	3	F	60	58	56	87	16	10	9	31	10		55	49	42	62	35	15																																																					
13	10	70	8		63	53	43	48	04	6	10	11	5	H	65	62	60	84	20	12	9	250	10		56	48	39	53	02	10																																																					
16	10	UNL	10		63	53	44	50	05	6	10	20	7		69	65	63	81	19	12	9	250	10		54	46	37	53	07	11																																																					
19	7	250	10		57	51	44	62	11	4	10	120	7		69	66	64	84	18	13	10	36	10		51	46	40	66	02	5																																																					
22	10	50	10		57	52	48	72	11	5	10	85	7		64	63	62	93	24	10	10	23	7		51	46	40	66	01	5																																																					

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.17	0.31	0.41	0.47	0.53	0.59	0.66	0.73	0.74	0.77	0.80	0.82
ENDED: DATE	28	28	28	28	28	28	28	28	28	28	28	28
ENDED: TIME	0301	0306	0310	0315	0323	0338	0352	0413	0419	0419	0419	0419

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

NOV 1993 RICHMOND, VA 13740

HOUR L.S.T.	VISI-BILITY			TEMPERATURE				WIND			SKY COVER (TENTHS)	VISI-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)																																													
NOV 19th																						NOV 20th																						NOV 21st																					
01	10	21	7	50	47	43	77	36	6	8	100	7	55	53	51	87	24	8	0	UNL	10	30	28	24	78	00	0																																						
04	10	17	7	50	47	43	77	33	6	6	90	7	53	51	49	86	24	9	0	UNL	10	29	26	21	72	00	0																																						
07	10	12	7	49	47	44	83	33	7	1	UNL	7	52	49	45	77	26	9	0	UNL	10	27	25	22	81	00	0																																						
10	10	12	7	52	49	45	77	35	5	0	UNL	12	57	46	34	42	30	14	0	UNL	10	46	37	23	40	12	4																																						
13	10	17	7	58	53	49	72	24	6	0	UNL	12	57	41	14	18	30	15	0	UNL	10	53	40	21	29	13	7																																						
16	10	150	7	59	54	50	72	21	7	0	UNL	12	54	40	18	24	29	12	0	UNL	10	53	42	26	35	17	9																																						
19	10	150	7	57	53	50	78	20	9	0	UNL	10	47	35	14	26	26	5	0	UNL	10	43	37	28	56	13	8																																						
22	10	150	6	55	53	52	90	21	8	0	UNL	10	36	32	24	62	34	3	2	UNL	10	37	34	30	76	13	4																																						
NOV 22nd																						NOV 23rd																						NOV 24th																					
01	10	40	10	40	38	34	79	00	0	0	UNL	5	F	39	39	38	96	34	4	0	UNL	7	37	36	34	89	31	4																																					
04	8	33	10	42	38	33	71	00	0	0	UNL	5	F	36	36	35	96	32	5	0	UNL	7	35	35	34	96	00	0																																					
07	7	47	10	37	36	34	89	32	3	0	UNL	4	F	35	35	34	96	34	7	9	140	6	F	37	36	35	93	05	3																																				
10	2	UNL	7	55	44	30	39	27	6	5	UNL	8	F	52	49	45	77	03	6	8	UNL	4	H	54	48	42	64	32	4																																				
13	0	UNL	8	64	52	40	42	23	9	3	UNL	10	H	63	48	31	30	12	10	5	UNL	6	H	64	49	32	30	24	6																																				
16	1	UNL	10	65	52	38	37	22	6	7	250	10	H	62	50	37	40	06	6	10	140	7	H	63	50	35	35	31	3																																				
19	2	UNL	10	49	44	39	69	12	3	0	UNL	10	H	50	44	37	61	36	5	10	150	7	H	53	46	39	59	05	5																																				
22	1	UNL	7	44	42	40	86	13	3	0	UNL	10	H	44	41	36	74	36	4	10	150	7	H	52	46	40	64	02	5																																				
NOV 25th																						NOV 26th																						NOV 27th																					
01	10	150	7	50	45	40	69	35	6	10	35	7	43	40	37	80	05	6	10	8	7	L	49	48	46	90	03	7																																					
04	1	UNL	7	48	45	41	77	01	10	9	28	7	41	37	32	70	04	6	10	3	1	LF	48	48	47	96	03	8																																					
07	1	UNL	7	47	44	40	77	02	12	9	30	7	38	37	35	89	01	8	10	4	1	LF	53	53	53	100	04	7																																					
10	10	20	7	50	46	42	74	03	11	4	UNL	10	44	40	35	71	01	11	10	8	1	8	LF	60	59	59	97	10	15																																				
13	10	16	7	46	43	40	80	03	13	8	250	10	54	47	38	55	06	11	10	11	5	LF	63	62	61	93	11	17																																					
16	10	9	2	42	41	40	93	02	14	9	55	8	53	47	40	62	08	8	10	20	1	RF	63	62	62	97	11	10																																					
19	10	12	7	42	40	38	86	02	10	10	21	8	51	47	43	74	08	6	10	7	5	RF	65	64	63	93	12	16																																					
22	10	15	7	44	42	40	86	04	9	10	24	7	50	47	44	80	03	8	10	19	5	RF	66	64	63	90	13	16																																					
NOV 28th																						NOV 29th																						NOV 30th																					
01	10	16	7	68	66	65	90	16	18	0	UNL	15	43	35	21	42	29	9	0	UNL	10	35	32	27	73	04	7																																						
04	10	17	3	64	64	64	100	22	8	0	UNL	15	38	32	22	53	30	4	0	UNL	10	34	32	28	79	02	6																																						
07	7	120	10	61	59	58	90	24	11	0	UNL	15	30	28	25	82	23	3	0	UNL	12	33	31	27	79	03	6																																						
10	10	UNL	10	60	56	52	75	23	10	0	UNL	10	45	37	24	44	17	5	0	UNL	10	42	36	27	55	01	13																																						
13	8	UNL	10	63	49	34	34	23	14	0	UNL	15	49	40	26	41	17	7	1	UNL	8	47	38	25	42	35	10																																						
16	7	UNL	15	60	46	27	29	23	10	0	UNL	15	50	40	24	36	20	9	1	UNL	10	47	38	25	42	03	9																																						
19	2	UNL	12	55	42	23	29	27	15	0	UNL	15	38	34	27	65	00	0	0	UNL	8	37	33	25	62	01	6																																						
22	0	UNL	15	47	37	20	34	29	9	0	UNL	10	34	31	26	73	00	0	0	UNL	8	32	30	27	82	01	4																																						

SUMMARY BY HOURS

HOUR L.S.T.	SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	AVERAGES				RESULTANT WIND		
			TEMPERATURE	REL HUMIDITY %	WIND SPEED (MPH)	DIRECTION	SPEED (MPH)		
			AIR TEMP OF	WET BULB OF	DEW POINT OF				
01	5	29.980	47	44	41	82	6.8	23	1.6
04	4	29.990	45	43	40	84	5.7	27	1.3
07	6	30.020	44	42	40	86	7.1	31	1.4
10	7	30.045	54	48	40	63	10.9	31	2.3
13	6	30.000	59	49	38	50	11.8	24	2.6
16	6	29.980	59	50	39	52	10.1	20	2.6
19	6	30.010	51	46	40	68	7.7	17	1.7
22	5	30.020	48	45	41	77	6.8	20	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).

