FEB 1993
RICHMOND, VA
NOAA-NATIONAL WEATHER SERVICE
RIC INTL APT/EXECUTIVE TERMINAL

INQUIRIES/COMMENTS CALL
(704) 271-4800

R.E.BYRD INTERNATIONAL AP.

ISSN 0198-537X

LOCAL CLIMATOLOGICAL DATA

Monthly Summary

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

DATE 1	TEMPERATURE °F MAXIMUM 2	MINIMUM 3	AVERAGE 4	DEPARTURE FROM NORMAL 5	AVERAGE DEW POINT 6	DEGREE DAYS BASE 65°F HEATING (SEASON BEGINS WITH JUL) 7A	COOLING (SEASON BEGINS WITH JAN) 7B	WEATHER TYPES 1 FOG 2 HEAVY FOG 3 THUNDERSTORM 4 ICE PELLETS 5 HAIL 6 GLAZE 7 DUSTSTORM 8 SMOKE, HAZE 9 BLOWING SNOW 8	SNOW ICE PELLETS OR ICE ON GROUND AT 0700 INCHES 9	PRECIPITATION WATER EQUIVALENT (INCHES) 10	SNOW, ICE PELLETS (INCHES) 11	AVERAGE STATION PRESSURE IN INCHES ELEV. 177 FEET ABOVE M.S.L. 12	WIND (M.P.H.) RESULTANT DIR. 13	RESULTANT SPEED 14	AVERAGE SPEED 15	PEAK GUST SPEED 16	PEAK GUST DIRECTION 17	FASTEST 1-MIN SPEED 18	FASTEST 1-MIN DIRECTION 19	SUNSHINE MINUTES 20	PERCENT OF TOTAL POSSIBLE 21	SKY COVER (TENTHS) SUNRISE TO SUNSET 22	MIDNIGHT TO MIDNIGHT 23
01	53	24	39	3	18	26	0		0	0.00	0.0	29.640	33	13.6	15.3	37	N	23	33	444	71	3	3
02	36	18	27	-9	1	38	0		0	0.00	0.0	30.120	34	12.8	12.9	33	NW	23	33	622	100	0	0
03	60	19	40	4	12	25	0		0	0.00	0.0	30.050	22	6.5	7.0	15	SW	13	21	575	92	3	3
04	55	35	45	9	13	20	0		0	0.00	0.0	30.100	33	9.9	11.5	31	N	21	34	487	78	3	3
05	58	24	41	4	21	24	0		0	0.00	0.0	30.080	21	8.0	8.1	17	SW	15	20	487	77	8	6
06	60	28	44	7	27	21	0		0	0.00	0.0	29.930	02	5.9	11.2	29	N	21	04	449	71	9	9
07	40	27	34	-3	25	31	0		0	0.00	0.0	30.050	05	4.8	6.4	17	NE	12	03	298	47	9	8
08	57	31	44	7	34	21	0	1	0	0.00	0.0	29.850	36	10.6	10.9	26	N	20	36	400	63	6	5
09	50	26	38	1	28	27	0		0	0.00	0.0	30.170	07	2.9	7.8	15	S	12	15	542	85	0	0
10	62	25	44	7	38	21	0	2	0	0.00	0.0	30.070	16	4.7	6.0	16	S	12	16	544	85	8	4
11	60	30	45	7	39	20	0	2	0	0.09	0.0	29.980	06	7.6	8.7	28	NE	17	06	443	69	9	7
12	43	36	40	2	38	25	0	1	0	1.15	0.0	29.680	36	9.0	12.7	30	N	17	32	0	0	10	10
13	51	35	43	5	35	22	0	1	0	T	0.0	29.395	25	10.8	12.0	28	W	16	27	73	11	10	9
14	49	30	40	2	24	25	0		0	0.00	0.0	29.760	30	9.1	9.7	24	W	16	31	420	65	6	4
15	50	23	37	-2	26	28	0	1 4	0	0.02	0.1	30.130	14	5.2	6.4	17	SE	14	13	508	78	4	5
16	57	35	46	7	45	19	0	1 4	0	0.27	T	29.810	18	7.8	12.3	41	S	29	17	0	0	10	9
17	50	37	44	5	26	21	0		0	0.00	0.0	29.910	28	10.0	10.6	33	W	21	28	487	74	7	5
18	41	23	32	-7	13	33	0		0	T	T	29.910	33	8.7	10.9	23	W	17	32	445	68	4	5
19	32	15*	24*	-16	3	41	0		0	0.00	0.0	30.070	33	5.2	10.2	24	NW	17	01	659	100	0	0
20	46	22	34	-6	23	31	0		0	0.00	0.0	29.880	18	7.6	8.2	16	SW	13	21	272	41	8	8
21	43	32	38	-2	37	27	0	1 4	T	0.94	1.2	29.685	15	4.7	6.4	25	SE	16	31	0	0	10	10
22	67*	42	55*	15	38	10	0	1	0	0.00	0.0	29.440	24	10.0	13.5	37	SW	24	22	476	71	6	5
23	45	32	39	-2	15	26	0		0	0.00	0.0	29.720	28	13.0	13.4	28	W	20	28	524	78	4	3
24	39	23	31	-10	9	34	0		0	0.00	0.0	30.010	31	8.3	10.4	22	W	17	27	551	82	3	1
25	36	16	26	-15	9	39	0		0	T	T	30.270	04	3.5	6.5	20	N	13	36	499	74	6	6
26	32	27	30	-12	29	35	0	2 4 6	1	0.41	3.5	30.040	02	7.4	9.6	20	N	14	36	0	0	10	10
27	38	24	31	-11	23	34	0	1 6	4	T	0.5	30.020	35	11.8	12.2	22	N	20	34	506	75	6	6
28	42	22	32	-11	18	33	0		2	0.00	0.0	30.030	34	8.6	9.4	22	NW	17	35	524	77	6	4
SUM	1352	SUM 761	—	—	—	TOTAL 757	TOTAL 0	NUMBER OF DAYS		TOTAL 2.88	TOTAL 5.3	FOR THE MONTH: 29.920	32	3.4	10.0	41	S	29	17	TOTAL 11235	% FOR MONTH 168	SUM 148	
AVG.	48.3	AVG. 27.2	AVG. 37.8	DEP. -0.9	AVG. 23.7	DEP. 21	DEP. 0	PRECIPITATION ≥ .01 INCH.	6	DEP. -0.28						DATE:16		DATE: 16		POSSIBLE 18192		AVG. 6.0	AVG. 5.3

NUMBER OF DAYS				SEASON TO DATE TOTAL	TOTAL	SNOW, ICE PELLETS ≥ 1.0 INCH	2	GREATEST IN 24 HOURS AND DATES				GREATEST DEPTH ON GROUND OF SNOW, ICE PELLETS OR ICE AND DATE	
MAXIMUM TEMP.		MINIMUM TEMP.		2959	0	THUNDERSTORMS	0	PRECIPITATION		SNOW, ICE PELLETS			
≥ 90°	≤ 32°	≤ 32°	≤ 0°	DEP.	DEP.	HEAVY FOG	3	1.24	11-12	4.0	26-27	4	27
0	2	22	0	-175	0	CLEAR 7	PARTLY CLOUDY 10		CLOUDY 11				

* 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.

ERRATA - JAN 1993 - CORRECT HEATING DEGREE DAYS DEPARTURES TO READ - MTH: -156 SEASON: -184

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 Wadlen
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

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

FEB 1993
RICHMOND, VA

OBSERVATIONS AT 3-HOUR INTERVALS

FEB 1993 RICHMOND, VA 13740

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)
					FEB 1st						
01	0	UNL	10			43	37	29	58	12	3
04	10	70	10			47	41	32	56	26	7
07	3	UNL	10			47	40	31	54	28	7
10	6	70	10			52	41	24	34	34	18
13	3	UNL	10			48	38	22	36	34	15
16	0	UNL	15			42	32	10	27	34	17
19	0	UNL	15			32	24	4	30	35	19
22	0	UNL	15			27	21	1	32	33	18
					FEB 2nd						
01	0	UNL	15			23	18	1	38	34	16
04	0	UNL	15			20	16	1	43	35	15
07	0	UNL	15			19	15	1	45	34	13
10	0	UNL	15			24	18	-1	33	35	16
13	0	UNL	15			30	23	1	29	34	14
16	0	UNL	15			35	25	-3	19	35	13
19	0	UNL	15			30	22	-1	26	33	7
22	0	UNL	15			27	21	1	32	00	0
					FEB 3rd						
01	0	UNL	12			20	17	8	60	00	0
04	0	UNL	12			22	19	10	60	25	3
07	0	UNL	10			24	20	9	53	22	4
10	0	UNL	10			38	29	7	27	22	10
13	0	UNL	12			53	38	8	16	23	7
16	9	UNL	15			59	41	9	14	23	5
19	10	UNL	15			45	34	15	30	19	8
22	4	UNL	15			42	33	16	35	22	7
					FEB 4th						
01	3	UNL	12			41	33	18	40	24	3
04	2	UNL	12			43	32	8	24	30	6
07	8	150	12			44	32	7	22	30	7
10	4	UNL	12			50	37	14	24	34	15
13	0	UNL	12			53	38	11	19	31	13
16	0	UNL	15			54	39	13	20	35	14
19	0	UNL	15			43	33	15	32	36	6
22	0	UNL	15			44	34	15	31	02	13
					FEB 5th						
01	0	UNL	10			32	27	18	56	20	3
04	0	UNL	10			27	24	18	69	23	3
07	0	UNL	8			26	24	19	75	20	4
10	7	UNL	10			47	37	20	34	22	11
13	10	UNL	10			55	41	20	25	22	8
16	10	UNL	10			56	42	21	26	21	10
19	10	UNL	10			43	36	24	47	19	10
22	10	UNL	10			45	37	23	42	21	8
					FEB 6th						
01	10	UNL	10			41	35	24	51	22	8
04	7	UNL	10			41	35	24	51	25	7
07	5	UNL	10			39	33	24	55	25	5
10	9	UNL	8			51	41	26	38	30	4
13	7	UNL	10			59	45	26	28	02	11
16	10	250	10			41	38	34	76	02	17
19	10	15	10			32	31	29	89	04	10
22	10	17	10			30	29	26	85	05	10
					FEB 7th						
01	10	17	10			28	27	25	89	05	9
04	10	16	10			27	26	24	89	05	7
07	10	14	10			27	26	24	89	03	8
10	10	27	10			29	26	20	69	03	6
13	10	24	10			35	31	23	62	02	4
16	4	UNL	10			39	35	28	65	16	5
19	1	UNL	10			32	31	29	89	05	5
22	10	15	10			33	32	30	89	13	3
					FEB 8th						
01	8	17	10			34	33	31	89	35	5
04	10	7	8			35	34	32	89	35	6
07	10	4	8			36	35	33	89	01	7
10	10	7	5		F	43	42	40	89	36	8
13	3	UNL	8			54	46	36	51	02	16
16	1	UNL	8			55	46	35	47	36	11
19	0	UNL	8			45	40	34	66	36	17
22	0	UNL	8			37	34	29	73	36	10
					FEB 9th						
01	0	UNL	8			32	30	27	82	35	7
04	0	UNL	8			29	28	26	89	33	8
07	0	UNL	8			27	26	25	92	02	9
10	0	UNL	8			37	32	23	57	08	7
13	0	UNL	10			46	38	25	44	01	5
16	0	UNL	12			49	41	30	48	17	7
19	1	UNL	10			41	38	33	73	13	8
22	0	UNL	8			34	34	33	96	15	7
					FEB 10th						
01	0	UNL	7			32	32	32	100	12	5
04	3	UNL	0	8	F	29	29	29	100	16	4
07	3	UNL	2		F	28	28	28	100	12	3
10	9	UNL	6		F	44	43	41	89	22	10
13	8	UNL	7			58	50	41	53	19	8
16	6	UNL	7			62	53	44	52	17	7
19	3	UNL	7			47	45	42	83	13	3
22	0	UNL	7			42	41	40	93	10	4
					FEB 11th						
01	0	UNL	6		F	40	40	40	100	10	3
04	0	UNL	5		F	33	33	33	100	13	3
07	10	4	0	4	F	30	30	30	100	00	0
10	7	UNL	6		F	48	48	48	100	04	6
13	10	55	7			60	50	39	46	09	8
16	10	55	7			57	49	40	53	09	11
19	10	60	7			51	46	41	69	04	11
22	10	15	7			45	43	41	86	06	15
					FEB 12th						
01	10	6	5		LF	43	42	41	93	05	13
04	10	5	5		RF	42	42	41	96	05	8
07	10	5	6		LF	40	40	40	100	03	11
10	10	4	1		LF	40	40	40	100	02	11
13	10	6	0	12	RWF	39	39	39	100	32	14
16	10	7	5		RWF	39	39	38	96	32	14
19	10	7	2		LF	36	36	36	100	32	12
22	10	8	7			36	35	34	93	30	13
					FEB 13th						
01	10	23	6		F	35	35	34	96	22	8
04	9	75	7		R	35	34	33	92	19	8
07	10	4	7			38	38	37	96	21	8
10	9	85	8			47	45	42	83	25	12
13	10	75	8			50	44	38	64	25	14
16	10	70	8			48	42	34	59	29	10
19	10	95	8			45	39	30	56	27	14
22	7	95	8			43	37	29	58	26	11
					FEB 14th						
01	5	UNL	8			41	36	28	60	27	10
04	8	110	8			39	34	25	57	30	10
07	10	95	8			38	33	23	55	30	8
10	10	UNL	8			41	34	21	45	31	12
13	2	UNL	10			47	38	24	41	31	13
16	1	UNL	10			48	39	25	41	29	8
19	0	UNL	10			40	34	25	55	34	4
22	0	UNL	10			35	31	24	64	03	3
					FEB 15th						
01	0	UNL	7			28	27	24	85	35	4
04	0	UNL	7			26	25	22	85	17	3
07	0	UNL	7			25	24	22	88	00	0
10	0	UNL	8			42	36	27	55	12	5
13	4	UNL	8			48	39	24	39	13	7
16	9	55	8			48	39	26	42	15	4
19	10	200	8			43	37	27	53	13	12
22	10	45	8			40	36	31	70	15	7
					FEB 16th						
01	10	5	5		RF	36	36	36	100	10	9
04	10	28	6		RF	37	37	37	100	11	6
07	10	21	7			40	39	38	93	11	8
10	10	4	2		RF	43	43	43	100	15	6
13	10	3	1	8	RF	47	47	47	100	16	13
16	10	14	6		F	55	54	53	93	18	13
19	9	20	6		F	55	55	54	97	21	11
22	5	UNL	7			51	49	47	86	25	12
					FEB 17th						
01	0	UNL	7			47	41	34	61	28	13
04	0	UNL	8			41	35	26	55	28	9
07	0	UNL	8			38	33	23	55	30	7
10	2	UNL	8			44	37	25	47	29	10
13	9	UNL	8			48	39	26	42	28	7
16	10	250	8			49	40	27	43	25	8
19	10	250	8			45	38	27	49	26	8
22	4	UNL	8			41	35	26	55	26	8
					FEB 18th						
01	10	200	7			39	33	22	51	29	10
04	10	150	7			37	32	23	57	28	5
07	7	150	7			32	30	25	75	36	10
10	9	43	7		SW	31	28	21	67	36	10
13	4	UNL	8			39	31	16	39	36	3
16	0	UNL	10			40	29	3	21	31	13
19	0	UNL	10			34	25	0	23	31	11
22	0	UNL	10			28	21	2	33	35	12

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.05	0.07	0.11	0.14	0.21	0.31	0.40	0.50	0.59	0.68	0.74	0.78
ENDED: DATE	12	12	12	12	12	12	12	12	12	12	12	12
ENDED: TIME	1320	1339	1334	1339	1339	1332	1339	1345	1421	1421	1451	1506

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

FEB 1993 RICHMOND, VA 13740

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)
					FEB 19th						
01	0	UNL	10			23	18	2	40	36	9
04	0	UNL	10			19	15	2	47	36	10
07	0	UNL	15			15	11	-3	44	36	9
10	0	UNL	15			22	17	0	38	32	11
13	0	UNL	12			29	22	3	33	30	12
16	0	UNL	12			31	24	3	30	27	9
19	0	UNL	12			27	21	5	39	14	5
22	0	UNL	12			23	19	7	50	15	5
					FEB 22nd						
01	7	25	1	8	F	42	42	42	100	22	11
04	0	UNL	3		F	45	45	45	100	19	10
07	10	5	5		F	50	50	50	100	19	7
10	7	8	6		F	58	57	57	97	23	7
13	4	UNL	12			66	53	41	40	22	21
16	4	UNL	12			64	48	28	26	24	16
19	3	UNL	10			56	44	27	33	26	7
22	3	UNL	10			45	36	20	37	33	10
					FEB 25th						
01	0	UNL	10			23	19	7	50	01	5
04	0	UNL	10			20	17	8	60	00	0
07	2	UNL	10			18	16	11	74	34	4
10	0	UNL	10			27	22	8	45	01	9
13	10	UNL	10			35	27	5	28	02	4
16	10	UNL	10			35	26	2	25	31	3
19	10	80	10			33	26	8	35	11	5
22	10	65	10			31	27	18	59	11	8
					FEB 28th						
01	0	UNL	10			24	21	12	60	31	5
04	1	UNL	10			25	21	12	58	30	5
07	3	UNL	8			23	21	15	71	30	4
10	10	180	7			35	30	22	59	01	13
13	8	48	7			40	33	22	49	32	10
16	1	UNL	8			42	34	21	43	32	11
19	0	UNL	8			35	29	18	50	35	7
22	0	UNL	8			30	26	16	56	35	7

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)
					FEB 20th						
01	4	UNL	12			24	20	11	58	17	8
04	10	80	12			28	24	13	53	17	9
07	10	90	12			30	26	16	56	19	8
10	3	UNL	12			37	31	20	50	19	10
13	8	37	12			45	38	28	52	19	10
16	10	47	12			43	38	30	60	19	8
19	4	UNL	12			39	35	30	70	12	4
22	6	UNL	12			33	31	28	82	18	3
					FEB 23rd						
01	8	UNL	10			41	34	21	45	29	9
04	1	UNL	10			37	31	21	52	25	5
07	0	UNL	10			36	30	19	50	27	9
10	2	UNL	10			40	32	16	38	29	14
13	6	60	10			41	32	14	33	28	11
16	5	UNL	10			42	32	13	31	27	15
19	0	UNL	10			37	29	12	36	27	12
22	0	UNL	10			33	26	10	38	27	14
					FEB 26th						
01	10	55	8		S	30	27	21	69	12	10
04	10	42	3		SF	27	27	27	100	17	5
07	10	41	0	8	SF	27	27	27	100	05	3
10	10	2	0	2	SF	28	28	28	100	02	7
13	10	8	2		ZRIPSF	31	31	31	100	01	11
16	10	9	1	8	SF	32	32	32	100	36	8
19	10	8	2		SF	31	31	31	100	03	11
22	10	8	5		ZLF	31	31	30	96	36	10

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)
					FEB 21st						
01	9	250	10			33	32	30	89	16	3
04	10	250	10			35	34	32	89	15	4
07	10	17	1		RSF	34	34	34	100	11	4
10	10	36	1	8	RF	35	35	35	100	13	5
13	10	40	1	8	RF	37	37	37	100	14	14
16	10	4	1	8	RF	40	40	40	100	14	6
19	10	25	1	8	F	42	42	42	100	19	4
22	10	4	1	8	F	43	43	43	100	19	4
					FEB 24th						
01	0	UNL	10			31	25	9	40	30	11
04	0	UNL	10			29	24	11	47	26	9
07	0	UNL	10			26	22	14	60	25	7
10	3	UNL	10			35	28	11	37	29	11
13	5	UNL	10			36	28	9	32	32	10
16	2	UNL	10			37	28	6	27	29	10
19	0	UNL	10			30	24	7	38	35	7
22	0	UNL	10			27	22	8	45	02	10
					FEB 27th						
01	10	8	5		SGF	30	30	30	100	36	12
04	10	45	3		SWF	29	29	29	100	34	11
07	10	15	5		SW	29	28	27	92	35	11
10	8	13	6		F	31	29	25	79	34	17
13	6	24	7			34	31	25	70	01	10
16	0	UNL	8			38	32	20	48	01	11
19	0	UNL	8			32	28	19	59	33	6
22	0	UNL	10			30	24	8	39	35	4

WEATHER CODES

*	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 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, EXP RESSED IN KNOTS (MPH=KNOTS X 1.15).

SUMMARY BY HOURS

HOUR L.S.T	AVERAGES SKY COVER (TENTHS)	AVERAGES STATION PRESSURE (INCHES)	AVERAGES TEMPERATURE AIR TEMP °F	AVERAGES TEMPERATURE WET BULB °F	AVERAGES TEMPERATURE DEW POINT °F	AVERAGES REL HUMIDITY %	AVERAGES WIND SPEED (MPH)	RESULTANT WIND DIRECTION	RESULTANT WIND SPEED (MPH)
01	4	29.920	33	30	23	70	8.7	32	2.2
04	5	29.910	32	29	23	72	7.6	29	2.3
07	5	29.940	32	29	23	74	7.6	33	2.8
10	6	29.960	39	34	25	62	11.5	33	5.4
13	6	29.910	45	37	24	49	12.0	31	4.1
16	5	29.880	46	38	24	48	11.7	30	4.5
19	5	29.920	39	34	24	58	10.0	34	2.7
22	4	29.940	36	32	23	63	9.7	34	2.9

NATIONAL CLIMATIC DATA CENTER
FEDERAL BUILDING
37 BATTERY PARK AVE
ASHEVILLE, NORTH CAROLINA 28801-2733

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE $300

FIRST CLASS
POSTAGE AND FEES PAID
NOAA
PERMIT G-19

FEB 1993 13740
RICHMOND, VA
USCOMM - NOAA - ASHEVILLE, NC 325

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

DATE	A.M. HOUR ENDING AT												P.M. HOUR 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
02																									02
03																									03
04																									04
05																									05
06																									06
07																									07
08																									08
09																									09
10																									10
11																					T	T	0.04	0.05	11
12	0.01	0.05	0.10	0.04	0.03	0.01	0.02	T	T	0.01	0.03	T	0.29	0.33	0.16	0.07	T	T	T	T					12
13				T	T	T								T			T	T							13
14																									14
15																							T	0.02	15
16	0.01	T	T	T	T	T				0.01	0.08	0.07	0.08	0.02			T	T							16
17																									17
18									T	T	T														18
19																									19
20																									20
21						0.02	0.04	0.02	0.05	0.12	0.10	0.08	0.07	0.10	0.11	0.09	0.09	0.04	0.01						21
22																									22
23																									23
24																									24
25																								T	25
26	0.01	0.02	T	0.01	0.03	0.01	T	0.04	0.03	0.08	0.05	0.04	0.01	T	0.05	0.01	0.01	T	T	T	T	T	0.01	T	26
27	T	T	T	T	T	T	T	T	T	T															27
28																									28