

# 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

OCT 1989  
 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 JUL)	COOLING (SEASON BEGINS WITH JAN)	WATER EQUIVALENT (INCHES)			SNOW, ICE PELLETS (INCHES)	RESULTANT DIR.		RESULTANT SPEED	AVERAGE SPEED	PEAK GUST	DIRECTION	FATEST 1-MIN	MINUTES	PERCENT OF TOTAL POSSIBLE	SUNRISE TO SUNSET	MIDNIGHT TO MIDNIGHT		
01	67	61	64	0	63	1	0	1	8	0	1.10	0.0	29.950	09	6.1	7.4	16	SE	12	13	0	0	10	10
02	81	67	74*	10	68	0	9	1	8	0	0.18	0.0	29.710	14	1.9	5.5	14	S	12	17	184	26	8	7
03	82	57	70	6	60	0	5	2	8	0	0.00	0.0	29.740	35	5.6	7.1	21	NW	15	30	635	90	1	1
04	68	47	58	5	37	7	0	0	0	0	0.00	0.0	29.860	34	5.8	7.0	24	NW	16	33	695	99	0	0
05	70	39	55	-8	38	10	0	0	0	0	0.00	0.0	29.860	24	5.2	6.9	21	SW	15	23	471	67	5	5
06	83	51	67	5	56	0	2	2	0	0	0.00	0.0	29.690	23	10.8	11.1	23	W	16	24	557	80	3	5
07	72	47	60	-2	47	5	0	0	0	0	0.00	0.0	29.780	01	6.8	9.5	21	NW	15	32	584	84	3	4
08	62	40	51	-10	40	14	0	0	0	0	0.00	0.0	29.810	01	4.0	5.8	20	W	13	36	328	47	8	6
09	61	40	51	-10	36	14	0	1	0	0	0.00	0.0	29.990	34	4.9	8.0	21	N	14	35	621	90	1	1
10	66	39	53	-8	42	12	0	0	0	0	0.00	0.0	30.000	18	6.1	7.0	24	S	14	16	531	77	1	2
11	74	43	59	-1	45	6	0	1	8	0	0.00	0.0	29.970	27	2.2	4.7	15	NW	8	30	685	100	0	0
12	78	46	62	2	51	3	0	1	8	0	0.00	0.0	29.980	20	8.7	9.1	25	SW	17	22	683	100	0	0
13	83	53	68	8	58	0	3	1	8	0	0.00	0.0	29.950	21	3.8	4.7	14	SW	8	20	572	84	4	4
14	80	60	70	11	61	0	5	1	8	0	0.00	0.0	29.910	18	5.9	6.1	17	S	12	19	464	68	7	6
15	85*	57	71	12	61	0	6	1	8	0	0.00	0.0	29.885	19	3.9	4.6	13	S	9	17	631	93	2	1
16	84	58	71	13	61	0	6	1	8	0	0.00	0.0	29.890	21	9.4	9.8	25	SW	18	22	538	80	5	5
17	76	66	71	13	66	0	6	1	8	0	0.61	0.0	29.790	21	9.1	10.6	26	SW	17	21	155	23	10	9
18	69	50	60	2	60	0	0	2	0	0	0.25	0.0	29.810	03	8.3	9.4	32	NE	21	02	14	2	10	10
19	54	49	52	-5	50	13	0	1	0	0	0.97	0.0	29.720	36	9.0	10.3	23	N	18	36	0	0	10	10
20	59	40	50*	-7	42	15	0	1	0	0	0.27	0.0	29.690	26	9.8	10.9	30	W	18	25	338	51	8	7
21	63	38	51	-6	32	14	0	0	0	0	0.00	0.0	29.780	23	12.8	14.0	36	SW	23	24	642	97	1	1
22	65	41	53	-3	38	12	0	0	0	0	0.00	0.0	30.050	34	5.1	6.8	22	NW	15	34	659	100	0	0
23	70	37*	54	-2	40	11	0	0	0	0	0.00	0.0	30.250	06	2.5	4.4	13	NE	9	05	657	100	7	6
24	67	40	54	-2	45	11	0	2	0	0	0.00	0.0	30.235	01	5.1	5.5	14	N	9	02	520	80	9	6
25	73	41	57	2	41	8	0	1	0	0	0.00	0.0	30.170	01	5.5	6.0	14	N	10	36	652	100	0	1
26	74	45	60	5	46	5	0	0	0	0	0.00	0.0	30.160	01	3.4	4.1	13	NE	8	03	520	80	6	3
27	75	44	60	5	46	5	0	1	0	0	0.00	0.0	30.155	36	3.6	4.6	15	NE	9	36	648	100	0	0
28	76	45	61	7	50	4	0	1	8	0	0.00	0.0	30.100	02	2.6	3.9	14	NE	9	02	468	72	6	6
29	74	46	60	6	50	5	0	2	8	0	0.00	0.0	30.085	06	3.2	5.3	13	S	10	04	545	85	3	3
30	70	57	64	10	59	1	0	2	8	0	0.00	0.0	30.000	06	6.1	6.7	14	E	10	09	100	16	10	10
31	69	61	65	11	63	0	0	1	0	0	0.16	0.0	29.740	34	5.2	8.2	22	NN	17	30	110	17	10	10
SUM	SUM	SUM	SUM	SUM	SUM	TOTAL	TOTAL	NUMBER OF DAYS		TOTAL	TOTAL	FOR THE MONTH:				TOTAL	%	SUM	SUM					
2230	1505					181	42			3.54	0.0	29.930	29	1.1	7.3	36	SW	23	24	14207		148	140	
AVG	AVG	AVG	DEP	AVG	AVG	DEP	DEP	PRECIPITATION		DEP						DATE: 21	DATE: 21	POSSIBLE	MONTH	AVG	AVG			
71.9	48.5	60.2	1.6	50.0	-4.0	-1.9		≥ .01 INCH		7	-0.20							20882	68	4.8	4.5			
NUMBER OF DAYS						SEASON TO DATE		SNOW, ICE PELLETS		GREATEST IN 24 HOURS AND DATES				GREATEST DEPTH ON GROUND OF										
MAXIMUM TEMP.		MINIMUM TEMP.		DEP		TOTAL		≥ 1.0 INCH		PRECIPITATION		SNOW, ICE PELLETS												
≥ 90°	≤ 32°	≤ 32°	≤ 0°	DEP	DEP	HEAVY FOG	5	1.24	01-02	0.0			0.											
0	0	0	0	-23	141	CLEAR	14	PARTLY CLOUDY	7	CLOUDY	10													

\* 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

**noaa**

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

*Kenneth D. Halpern*  
 DIRECTOR NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

OCT 1989  
RICHMOND, VA

13740

HOUR	L	S	T	SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET		VISI-BILITY		WEATHER	TEMPERATURE				WIND			SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET		VISI-BILITY		WEATHER	TEMPERATURE				WIND			SKY COVER (TENTHS)	CEILING IN HUNDREDS OF FEET		VISI-BILITY		WEATHER	TEMPERATURE				WIND																																																										
					16THS	16THS	WHOLE	16THS		AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	AIR OF		WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION		SPEED (KNOTS)	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)		AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %		DIRECTION	SPEED (KNOTS)																																																													
OCT 1st																																	OCT 2nd																																	OCT 3rd																																
01	10	70	6						H	61	60	59	93	05	4	10	3	1	8	RF	67	66	66	97	13	6	0	UNL	4		F	66	65	65	97	00	0																																																													
04	10	90	6						RH	61	60	59	93	05	5	10	4	1	8	RF	67	66	66	97	10	5	3	UNL	1		F	63	63	63	100	00	0																																																													
07	10	50	1	6					RF	61	60	60	97	06	5	10	2	0	12	LF	69	68	68	97	18	6	4	UNL	1		F	63	63	63	100	00	0																																																													
10	10	15	1						RF	64	63	63	97	05	6	10	5	2		LF	73	71	70	90	21	6	0	UNL	5		H	75	68	64	69	02	10																																																													
13	10	5	1						RF	65	64	63	93	07	8	10	80	6		F	76	73	72	88	02	5	2	UNL	6		H	81	68	60	49	32	13																																																													
16	10	7	2						RF	67	66	65	93	13	8	4	UNL	7			79	72	68	69	03	6	0	UNL	8			80	65	56	44	30	9																																																													
19	10	5	1	8					RF	65	64	64	97	12	8	0	UNL	7			72	71	70	94	02	3	0	UNL	10			66	61	58	76	01	6																																																													
22	10	13	1	8					RF	66	65	65	97	11	7	3	UNL	7			69	68	68	97	00	0	0	UNL	10			63	57	52	68	03	11																																																													
OCT 4th																																	OCT 5th																																	OCT 6th																																
01	0	UNL	10							55	50	45	69	03	9	0	UNL	10			45	40	32	61	35	5	6	UNL	10			52	49	46	80	21	7																																																													
04	0	UNL	10							48	47	45	89	00	0	0	UNL	10			42	38	32	68	00	0	3	UNL	10			55	51	48	77	22	8																																																													
07	0	UNL	10							50	48	46	86	00	0	0	UNL	10			41	37	31	68	00	0	3	UNL	7			58	55	52	81	23	8																																																													
10	0	UNL	10							59	50	41	52	35	9	1	UNL	10			62	49	35	37	30	6	5	UNL	10			72	63	56	57	23	9																																																													
13	1	UNL	10							65	49	31	28	32	14	6	UNL	10			68	53	37	32	26	10	1	UNL	10			81	66	57	44	23	13																																																													
16	0	UNL	10							67	50	31	26	31	11	9	UNL	10			68	53	38	33	23	12	3	UNL	10			81	68	60	49	24	14																																																													
19	0	UNL	10							56	45	32	40	31	4	4	UNL	10			55	51	47	75	22	7	7	120	10			72	66	62	71	20	8																																																													
22	0	UNL	10							48	41	32	54	00	0	8	UNL	10			53	50	46	77	20	8	10	100	10			71	66	63	76	22	8																																																													
OCT 7th																																	OCT 8th																																	OCT 9th																																
01	10	110	7						R	71	66	63	76	23	8	0	UNL	10			46	43	40	80	06	5	0	UNL	10			46	44	42	86	33	8																																																													
04	10	60	7						R	66	61	58	76	02	9	0	UNL	7			43	42	40	89	35	3	0	UNL	10			41	39	37	86	35	8																																																													
07	10	41	7							61	57	54	78	03	9	3	UNL	7			42	41	40	93	00	0	0	UNL	6		F	42	39	36	79	33	6																																																													
10	3	UNL	10							65	55	45	49	32	13	7	70	7			55	46	36	49	08	8	0	UNL	7			53	42	26	35	35	11																																																													
13	1	UNL	10							68	55	42	39	35	8	10	60	7			58	48	37	46	04	7	4	UNL	7			57	46	32	39	35	8																																																													
16	0	UNL	10							68	54	41	38	01	10	8	80	10			58	48	37	46	28	6	1	UNL	10			60	47	32	35	28	4																																																													
19	0	UNL	10							56	50	43	62	05	7	10	48	7		R	56	49	42	60	29	6	0	UNL	10			47	44	40	77	12	4																																																													
22	0	UNL	10							50	46	42	74	03	5	10	50	10			49	46	42	77	34	9	0	UNL	10			44	41	37	77	17	5																																																													
OCT 10th																																	OCT 11th																																	OCT 12th																																
01	0	UNL	10							42	40	38	86	18	4	0	UNL	7			47	47	46	96	18	3	0	UNL	7			52	49	46	80	17	4																																																													
04	0	UNL	8							41	39	37	86	16	3	0	UNL	7			48	47	45	89	29	5	0	UNL	7			49	48	47	93	18	3																																																													
07	0	UNL	8							42	41	39	89	16	3	0	UNL	6		F	46	45	43	89	34	5	0	UNL	6		F	49	48	47	93	16	5																																																													
10	0	UNL	10							59	50	40	50	22	7	0	UNL	6		H	64	54	45	50	29	6	0	UNL	8			67	59	52	59	20	11																																																													
13	0	UNL	10							63	50	37	38	18	11	0	UNL	8			72	57	44	37	30	7	0	UNL	8			76	62	52	43	21	13																																																													
16	4	UNL	10							64	52	39	40	16	10	0	UNL	8			73	57	42	33	34	5	0	UNL	8			77	63	53	43	21	12																																																													
19	9	50	7							59	54	49	70	27	8	0	UNL	7			58	54	50	75	00	0	0	UNL	8			62	58	54	75	19	8																																																													
22	2	UNL	7							52	50	48	86	19	4	0	UNL	7			53	50	47	80	16	4	0	UNL	8			59	56	54	84	22	8																																																													
OCT 13th																																	OCT 14th																																	OCT 15th																																
01	0	UNL	8							57	55	53	87	22	5	10	UNL	5		F	62	61	60	93	00	0	0	UNL	5		F	61	60	60	97	19	4																																																													
04	0	UNL	7							55	53	52	90	21	3	10	UNL	5			61	60	59	93	15	3	0	UNL	1		F	59	58	58	97	19	4																																																													
07	0	UNL	5							55	54	53	93	00	0	10	250	1		F	61	60	59	93	18	5	2	UNL	0	12	F	58	57	57	97	00	0																																																													
10	1	UNL	6							76	65	58	54	19	3	10	250	2	8	H	70	62	57	64	18	4	3	UNL	3		H	74	67	63	69	31	5																																																													
13	4	UNL	7							82	67	58	44	20	7	7	250	4		H	76	67	62	62	18	9	2	UNL	6		H	84	70	63	49	21	7																																																													
16	10	250	7							79	67	60	52	20	7	3	UNL	6		H	78	68	63	60	17	9	0	UNL	6		H	83	70	63	51	19	7																																																													
19	10	250	6							69	65	62	79	20	5	0	UNL	5		H	66	64	62	87	16	6	0	UNL	6		H	69	65	63	81	00	0																																																													
22	10	UNL	5							64	62	61	90	18	3	0	UNL	6		H	63	62	61	93	20	7	0	UNL	5		H	64	62	61	90	00	0																																																													
OCT 16th																																	OCT 17th																																	OCT 18th																																
01	0	UNL	5							62	61	60	93	17	4	8	100	10			68	65	63	84	21	8	10	7	2		F	68	67	67	97	30	4																																																													
04	0	UNL	3							59	58	58	97	20	5	6	250	10			66	64	63	90	20	12	10	7	2		F	67	66	66	97	00	0																																																													
07	2	UNL	3							58	57	57	97	18	4	9	UNL	10			67	65	64	90	21	10	10	4	1		F	67	66	66	97	00	0																																																													
10	2	UNL	6							76	66	60	58	21	9	10	17	8			73	68	65	76	21	12	10	4	5		F	69	68	67	93	03	7																																																													
13	4	UNL	10							84	70	62	48	22	14	10	50	7		R	75	69	66	74	22	13	10	4	1	8	RF	66	65	64	93	02	16																																																													
16	7	UNL	10							82	69	61	49	22	12	10	48	7			74	70	68	82	21	6	10	7	5		LF	57	56	55	93	03	12																																																													
19	8	UNL	10							70	65	62	76	19	7	10	33	6		RF	69	68	67	93	32	4	10	5	6		RF	55	54	53	93	03	11																																																													
22	7	UNL	10							72	67																																																																																							

# OBSERVATIONS AT 3-HOUR INTERVALS

OCT 1989  
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)	CEILING IN HUNDREDS OF FEET	WHOLE MILES	1/8THS MILE	AIR OF	WET BULB OF	DEW POINT OF	REL HUMIDITY %	DIRECTION	SPEED (KNOTS)	
OCT 19th																																
01	10	5	2		RF	52	51	50	93	04	9	10	3	6	F	52	52	51	96	14	5	9	80	10			42	38	32	68	25	8
04	10	5	3		RF	52	52	51	96	04	10	10	4	5	RF	53	53	52	96	27	10	1	UNL	10			39	36	32	76	24	10
07	10	5	1	8	RF	53	52	51	93	36	13	10	30	6	RF	53	53	52	96	28	6	3	UNL	10			38	35	31	76	24	10
10	10	6	2		RF	51	50	49	93	36	16	10	13	6	LF	53	51	50	90	28	8	0	UNL	10			51	42	31	47	24	17
13	10	5	5		LF	52	51	50	93	34	10	8	40	7		56	47	38	51	24	14	0	UNL	15			59	46	29	32	24	18
16	10	4	2	8	LF	52	52	51	96	33	6	4	UNL	7		54	45	35	49	29	15	0	UNL	15			62	47	28	28	23	19
19	10	4	1	8	F	52	52	51	96	31	6	0	UNL	10		45	40	32	61	25	9	0	UNL	12			53	44	34	49	21	11
22	10	3	6		F	51	51	50	96	33	3	6	60	10		43	38	32	65	25	9	0	UNL	10			47	43	37	68	04	7
OCT 20th																																
OCT 21st																																
OCT 22nd																																
OCT 23rd																																
OCT 24th																																
OCT 25th																																
OCT 26th																																
OCT 27th																																
OCT 28th																																
OCT 29th																																
OCT 30th																																
OCT 31st																																

## SUMMARY BY HOURS

HOUR	L.S.T.	SKY COVER (TENTHS)	STATION PRESSURE (INCHES)	AVERAGES				RESULTANT WIND		
				TEMPERATURE			WIND SPEED (MPH)	DIRECTION	SPEED (MPH)	
				AIR TEMP OF	WET BULB OF	DEW POINT OF				
01	4	29	930	54	52	50	87	5.3	11	0.2
04	4	29	920	52	50	49	90	5.5	32	1.1
07	5	29	945	52	50	49	91	5.4	33	1.5
10	4	29	965	64	57	51	65	9.3	34	2.7
13	5	29	920	70	59	49	52	10.6	29	2.8
16	5	29	890	70	59	49	51	9.7	27	1.8
19	5	29	910	59	55	52	77	6.2	20	0.9
22	5	29	930	55	53	51	84	5.8	26	0.4

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

OCT 1989  
RICHMOND, VA

13740

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	T		T	T	T	T	0.04	0.05	0.25	0.07	0.04	0.01	0.01	T	0.01	0.03	0.05	0.11	0.13	0.09	0.13	0.06	0.02	T	01
02	0.09	0.01	0.01	0.01	0.01	0.01	0.01	T		T	T	0.01	0.02	T											02
03																									03
04																									04
05																									05
06																									06
07	T	T		T	T	T	T												T	T					07
08																									08
09																									09
10																									10
11																									11
12																									12
13																									13
14																									14
15																									15
16										T	T		T	T		T	0.40	0.20	0.01						16
17													T	0.01	T	0.01	0.01	0.02	0.03						17
18	0.05	0.02	0.01	0.03	0.05	0.05	0.04	0.60	0.10	T	T	T	T	T	T	0.01	0.01	T		0.02	0.06	0.07	0.02		18
19			T	0.06	0.06	0.09	0.06	T	T	T	T	T	T	T	T										19
20																									20
21																									21
22																									22
23																									23
24																									24
25																									25
26																									26
27																									27
28																									28
29																									29
30																									30
31	T	T	T	T	T	0.01	T	0.01	0.01	T	T	T	T	T	T	0.01					0.12	T	T	T	31

MAXIMUM SHORT DURATION PRECIPITATION

TIME PERIOD (MINUTES)	5	10	15	20	30	45	60	80	100	120	150	180
PRECIPITATION (INCHES)	0.09	0.17	0.24	0.28	0.33	0.41	0.60	0.62	0.67	0.70	0.71	0.74
ENDED: DATE	19	19	19	19	19	19	19	19	19	19	19	19
ENDED: TIME	0721	0720	0720	0725	0735	0751	0805	0825	0833	0859	0833	0833

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:  
DON HOWELL

SUBSCRIPTION PRICE AND ORDERING INFORMATION AVAILABLE FROM:  
THE NATIONAL CLIMATIC DATA CENTER, FEDERAL BUILDING  
ASHEVILLE, NORTH CAROLINA 28801  
ATTN: PUBLICATIONS

RICHMOND, VA  
USCOMM - NOAA - ASHEVILLE, NC 325

U.S. DEPARTMENT OF COMMERCE  
NATIONAL CLIMATIC DATA CENTER  
FEDERAL BUILDING  
ASHEVILLE, N.C. 28801

AN EQUAL OPPORTUNITY EMPLOYER

POSTAGE AND FEES PAID  
U.S. DEPARTMENT OF COMMERCE

COM 210



FIRST CLASS