JULY 2006
LOCAL CLIMATOLOGICAL DATA
NOAA, National Climatic Data Center

WASHINGTON DC, DC
RONALD REAGAN WASH NATIONAL AIRPORT (KDCA)
Lat:38 ° 51'N Long: 77 ° 2 'W Elev (Ground) 10 Feet
Time Zone : EASTERN WBAN: 13743 ISSN#: 0198-1188

Date	Temperature °F MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	Deg Days BASE 65° HEATING	COOLING	WEATHER	SNOW/ICE ON GND(IN) 0700 EST DEPTH	1300 LST WATER EQUIV	PRECIPITATION ON GND(IN) 2400 LST SNOW-FALL	2400 LST WATER EQUIV	PRESSURE (INCHES OF HG) AVERAGE STATION	AVERAGE SEA LEVEL	WIND SPEED = MPH DIR = TENS OF DEGREES RESULTANT SPEED	RES DIR	AVERAGE SPEED	MAXIMUM 5-SEC SPEED	DIR	2-MIN SPEED	DIR	Date
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
01	86	66	76	-2	64	69	0	11	HZ	0		0.0	0.00	30.08	30.15	8.5	19	8.7	22	24	16	17	01
02	93	71	82	4	68	71	0	17	TS TSRA GR RA BR HZ	0		T	0.70	30.02	30.09	8.9	20	10.1	53*	27	40*	26	02
03	91	72	82	4	70	73	0	17	BR HZ	0		0.0	0.00	29.99	30.06	4.3	23	6.3	20	25	16	26	03
04	94	69	82	4	71	74	0	17	TS TSRA RA BR HZ	0		0.0	0.35	29.91	29.97	7.5	20	9.1	47	27	36	28	04
05	84	71	78	0	71	72	0	13	RA BR HZ	0		0.0	0.87	29.88	29.94	4.6	22	6.6	23	31	21	31	05
06	80	66	73	-5	61	65	0	8	RA BR	0		0.0	0.61	29.96	30.06	9.1	35	10.1	23	01	18	01	06
07	80	62*	71*	-8	57	63	0	6		0		0.0	0.00	30.16	30.24	5.4	01	7.4	24	36	16	01	07
08	82	64	73	-6	61	66	0	8		0		0.0	0.00	30.12	30.18	1.8	05	5.5	15	07	13	07	08
09	83	66	75	-4	63	68	0	10		0		0.0	0.00	30.00	30.06	10.1	19	10.3	22	22	17	18	09
10	85	68	77	-2	69	71	0	12	BR HZ	0		0.0	0.00	29.96	30.04	9.0	19	9.3	18	18	15	20	10
11	88	74	81	2	72	75	0	16	HZ	0		0.0	0.00	30.03	30.10	9.6	16	9.9	18	20	16	18	11
12	89	74	82	3	73	75	0	17	TS TSRA RA BR HZ	0		0.0	0.69	29.99	30.06	8.0	20	8.5	36	28	31	28	12
13	84	74	79	0	73	75	0	14	RA BR HZ	0		0.0	T	29.91	29.97	6.6	23	7.4	20	25	15	25	13
14	85	75	80	1	74	76	0	15	RA BR HZ	0		0.0	T	29.92	29.99	3.6	14	5.3	16	10	14	11	14
15	90	76	83	4	73	76	0	18	TS RA BR HZ	0		0.0	T	29.87	29.94	2.6	29	6.7	28	28	24	27	15
16	92	73	83	4	67	72	0	18		0		0.0	0.00	29.93	30.01	7.5	36	8.6	24	36	18	01	16
17	96	74	85	6	70	75	0	20	BR	0		0.0	0.00	29.94	30.01	3.0	25	6.0	17	01	13	36	17
18	97*	77	87	8	71	76	0	22	RA BR HZ SQ	0		0.0	T	29.91	30.00	1.1	16	6.9	36	34	29	35	18
19	92	73	83	3	68	73	0	18		0		0.0	0.00	30.00	30.08	4.9	06	6.7	18	10	16	11	19
20	89	74	82	2	72	75	0	17	RA BR HZ	0		0.0	T	30.01	30.06	3.7	13	7.3	16	18	14	18	20
21	92	75	84	4	72	75	0	19	BR HZ	0		0.0	0.00	29.86	29.91	6.6	22	8.2	21	20	18	22	21
22	89	72	81	1	72	75	0	16	TSRA RA BR HZ	0		0.0	0.34	29.70	29.76	10.0	21	11.2	32	27	24	27	22
23	84	71	78	-2	64	69	0	13	RA	0		0.0	T	29.80	29.89	4.5	33	7.1	21	01	13	32	23
24	86	67	77	-3	64	69	0	12		0		0.0	0.00	29.96	30.03	3.9	19	6.9	18	18	16	18	24
25	85	72	79	-1	70	72	0	14		0		0.0	0.00	29.97	30.04	8.8	18	9.1	17	20	15	20	25
26	88	73	81	1	71	74	0	16	BR	0		0.0	0.00	29.91	29.97	8.1	18	8.7	18	18	16	17	26
27	94	75	85	5	73	76	0	20	BR HZ	0		0.0	0.00	29.91	29.98	9.2	19	9.7	20	19	18	19	27
28	94	78	86	6	70	74	0	21	BR	0		0.0	0.00	29.91	29.99	8.9	24	10.9	31	29	25	28	28
29	92	76	84	4	70	74	0	19	TS	0		0.0	0.00	29.90	29.95	2.2	23	6.2	20	17	17	17	29
30	94	77	86	6	70	75	0	21	HZ	0		0.0	0.00	29.80	29.86	6.3	32	7.4	20	30	16	30	30
31	96	78	87*	7	71	76	0	22	HZ	0		0.0	0.00	29.83	29.91	4.7	31	7.6	18	35	15	32	31
	88.8	72.0	80.4		68.9	72.5	0.0	15.7	<MONTHLY AVERAGES | TOTALS>			T	3.56	29.94	30.01	3.3	21	8.1	<MONTHLY AVERAGES				
	0.5	1.9	1.2		<---------- DEPARTURE FROM NORMAL ---------->								-0.10	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									

DEGREE DAYS

	MONTHLY TOTAL	MONTHLY DEPARTURE	SEASON TO DATE TOTAL	SEASON TO DATE DEPARTURE
HEATING :	0	0	0	0
COOLING :	487	31	890	-2

GREATEST 24-HR PRECIPITATION : 1.48 DATE : 05-06
GREATEST 24-HR SNOWFALL : T DATE : 02
GREATEST SNOW DEPTH : 0 DATE :

SEA LEVEL PRESSURE		DATE	TIME
MAXIMUM :	30.27	07	1214
MIMIMUM :	29.69	22	1710

NUMBER OF DAYS WITH ->

MAXIMUM TEMP >= 90 :	14	MINIMUM TEMP <= 32 :	0	PRECIPITATION >= 0.01 INCH:	6
MAXIMUM TEMP <= 32 :	0	MINIMUM TEMP <= 0 :	0	PRECIPITATION >= 0.10 INCH:	6
THUNDERSTORMS :	6	HEAVY FOG :	0	SNOWFALL >= 1.0 INCH :	0

HOURLY PRECIPITATION
(WATER EQUIVALENT IN INCHES)

WASHINGTON DC, DC (KDCA)
JULY 2006 WBAN # 13743

Date	FOR HOUR (LST) ENDING AT 1	2	3	4	5	6	7	8	9	10	11	12
01												
02												
03												
04												
05	T										T	T
06	0.04	0.07	0.38	0.12	T	T						
07												
08												
09												
10												
11												
12												
13						T	T		T	T	T	T
14												
15									T	T		
16												
17												
18												
19												
20												
21												
22												
23		T								T	T	
24												
25												
26												
27												
28												
29												
30												
31												

Date	FOR HOUR (LST) ENDING AT 13	14	15	16	17	18	19	20	21	22	23	24
01												
02					0.08	0.62	T	T				
03												
04					0.35	T						T
05		0.35	0.10	0.04	0.11	0.03	T	T	T	T	0.01	0.23
06												
07												
08												
09												
10												
11												
12			0.01	0.52	0.03	0.09	0.04					
13	T				T							
14				T								
15			T	T								
16												
17												
18								T	T			
19												
20		T										
21												
22							0.14	0.02		0.05	0.13	T
23												
24												
25												
26												
27												
28												
29												
30												
31												

Date	Sum of Hourly Data	2400 LST Water Equiv.
01	0.00	0.00
02	0.70	0.70
03	0.00	0.00
04	0.35	0.35
05	0.87	0.87
06	0.61	0.61
07	0.00	0.00
08	0.00	0.00
09	0.00	0.00
10	0.00	0.00
11	0.00	0.00
12	0.69	0.69
13	T	T
14	T	T
15	T	T
16	0.00	0.00
17	0.00	0.00
18	T	T
19	0.00	0.00
20	T	T
21	0.00	0.00
22	0.34	0.34
23	T	T
24	0.00	0.00
25	0.00	0.00
26	0.00	0.00
27	0.00	0.00
28	0.00	0.00
29	0.00	0.00
30	0.00	0.00
31	0.00	0.00

* Indicates sum of Hourly and Daily disagree.

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	0.43	0.53	0.55	0.56	0.61	0.62	0.64	0.70	0.70	0.70	0.70	0.70
Ending Date	12	02	02	02	02	02	02	02	02	02	02	02
Ending Time (Hr/Min)	1506	1732	1736	1739	1748	1754	1745	1754	1754	1754	1754	1754

Date and time are not entered for TRACE amounts.

Note : The hourly and daily precipitation totals are printed in the last 2 columns and hi-lighted in red when they disagree. NWS does not edit ASOS hourly values but may edit daily and monthly totals. Hourly, daily, and monthly totals are printed as reported by the ASOS site.

REFERENCE NOTES & SUPPLEMENTAL SUMMARIES

* = Extreme for the month (last occurence if more than one).

T = Trace precipitation amount.

+ = also occurs on earlier date.

FG+ = Heavy fog, visibility .25 miles or less.

BLANK entries denote missing or unreported data.

Resultant wind is the vector sum of the wind speeds and directions divided by the number of observations.

Wind direction is recorded in tens of degrees (2 digits) clockwise from true north. '00' = calm, 'VR' = variable.

Precipitation is for the 24-hour period ending at the time indicated in the column heading.

Water Equivalent of snow on the ground is reported only when the depth is 2 or more inches.

NORMALS ARE FOR THE YEARS 1971-2000

WEATHER NOTATIONS

QUALIFIER	WEATHER PHENOMENA		
DESCRIPTOR	PRECIPITATION	OBSCURATION	OTHER
BC Patches	DZ Drizzle	BR Mist	DS Duststorm
BL Blowing	GR Hail	DU Widespread Dust	FC Funnel Cloud
DR Low Drifting	GS Small Hail and/or Snow Pellets	FG Fog	+FC Tornado Waterspout
FZ Freezing	IC Ice Crystals	FU Smoke	PO Well-Developed Dust/Sand Whirls
MI Shallow	PL Ice Pellets	HZ Haze	
PR Partial	RA Rain		
SH Shower(s)	SG Snow Grains	PY Spray	SQ Squalls
TS Thunderstorm	SN Snow	SA Sand	SS Sandstorm
VC In the Vicinity	UP Unknown Precipitation	VA Volcanic Ash	GL Glaze

Intensity (as indicated on pages 4 to 6):
'+' = Heavy '' = Moderate '-' = Light

WASHINGTON DC, DC
JULY 2006

Ceilometer (30-second) data are used to derive cloudiness at or below 12,000 feet. This cloudiness is the mean cloud cover detected during sunrise to sunset (SR-SS), or midnight to midnight (MN-MN).

Satellite data are used to derive cloudiness above 12,000 feet. Effective Cloud Amount is based on the cloud cover and the transparency of the clouds within the satellite field of view (approx. 31x31 miles).

Sky Condition is based on the sum (not to exceed 8) of the sunrise to sunset cloud cover below and above 12,000 feet. Both ceilometer and satellite data must be present to compute Sky Condition. Clear = 0-2 oktas, Partly Cloudy = 3-6 oktas, Cloudy = 7-8 oktas.

A Heating (Cooling) Degree Day is the difference between the average daily temperature and 65 degrees F. The HDD season begins July 1, the CDD season begins January 1.

Dew Point is the temperature to which the air must be cooled to achieve 100% relative humidity. Wet Bulb is the temperature the air would have if cooled to saturation at constant pressure by evaporation of water into it.

Snow Depth, Snowfall, and Sunshine data may come from nearby sites that the National Weather Service deems Climatologically representative of this site.

ADDITIONAL NOTES:

Date	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR-SS		MN-MN		MINIMUM	MAXIMUM	
			Sky Cover	Satellite	Sky Cover	Satellite			
01							6.00	10.00	
02							5.00	10.00	
03							5.00	10.00	
04							4.00	10.00	
05							1.25	10.00	
06							2.50	10.00	
07							10.00	10.00	
08							10.00	10.00	
09							10.00	10.00	
10							5.00	9.00	
11							3.00	7.00	
12							4.00	8.00	
13							5.00	10.00	
14							3.00	10.00	
15							1.75	10.00	
16							10.00	10.00	
17							7.00	10.00	
18							5.00	10.00	
19							7.00	10.00	
20							4.00	9.00	
21							4.00	10.00	
22							2.00	10.00	
23							8.00	10.00	
24							10.00	10.00	
25							8.00	10.00	
26							5.00	10.00	
27							5.00	10.00	
28							5.00	10.00	
29							10.00	10.00	
30							5.00	10.00	
31							5.00	10.00	
MONTHLY AVGS							5.66	9.77	

SUNSHINE (Minutes)

Total : Possible :
Percent Possible :

NUMBER OF DAYS WITH :
SKY CONDITION
Clear Partly CLDY Cloudy Mixing

MINIMUM VISIBILTY (MILES)
<= .25 <= 3.0 >= 7.0
0 6 10

OBSERVATIONS AT 3-HOURLY INTERVALS

WASHINGTON DC, DC

JULY 2006 KDCA WBAN # 13743

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE Observation Time (LST)	SATELLITE Eff Cld Amt Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F DRY BULB	TEMPERATURE °F DEW POINT	TEMPERATURE °F WET BULB	RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH)	WIND DIRECTION Tens of Deg	PRESSURE (INCHES, HG) STATION	PRESSURE (INCHES, HG) SEA LEVEL
SUNRISE: 0447						JUL 01			SUNSET: 1937					
01	BKN	250			10.00		70	63	66	79	5	19	30.07	30.14
04	CLR	NC			10.00		68	62	64	81	3	23	30.08	30.15
07	SCT	080			8.00		70	65	67	84	6	18	30.12	30.19
10	FEW	085			8.00		78	65	70	64	10	17	30.12	30.18
13	FEW	040			10.00		84	61	69	46	10	18	30.10	30.17
16	SCT	250			9.00		84	64	71	51	12	21	30.06	30.13
19	BKN	250			8.00		80	66	71	62	9	18	30.04	30.11
22	SCT	250			7.00		75	67	70	76	10	18	30.07	30.14
SUNRISE: 0447						JUL 02			SUNSET: 1937					
01	FEW	250			8.00		74	64	68	71	12	20	30.05	30.12
04	CLR	NC			7.00		71	65	67	81	8	19	30.05	30.12
07	SCT	250			5.00	HZ	73	67	69	82	12	19	30.06	30.13
10	BKN	250			6.00	HZ	80	71	74	74	14	17	30.04	30.11
13	BKN	250			9.00		91	68	75	47	17	22	30.00	30.06
16	BKN	250			9.00		91	70	76	50	15	21	29.95	30.02
19	OVC	250			6.00	-RA BR	74	70	71	87	7	18	29.99	30.06
22	BKN	250			10.00		75	68	70	79	3	22	30.01	30.08
SUNRISE: 0448						JUL 03			SUNSET: 1937					
01	SCT	250			7.00		72	70	71	93	7	17	30.00	30.07
04	SCT	250			5.00	BR	72	71	71	97	6	18	29.98	30.05
07	BKN	250			7.00		78	69	72	74	3	05	30.04	30.10
10	BKN	250			6.00	HZ	82	71	75	69	6	15	30.03	30.10
13	BKN	250			8.00		88	68	74	52	14	27	29.99	30.06
16	BKN	250			9.00		90	69	76	50	10	23	29.96	30.02
19	BKN	250			8.00		86	70	75	59	9	25	29.95	30.02
22	SCT	250			9.00		82	71	74	69	0	00	29.96	30.03
SUNRISE: 0448						JUL 04			SUNSET: 1937					
01	BKN	250			7.00		77	70	72	79	7	20	29.96	30.03
04	SCT	250			7.00		77	69	72	76	3	19	29.95	30.02
07	OVC	250			4.00	BR	77	73	74	88	7	18	29.94	30.01
10	BKN	200			5.00	HZ	85	74	77	70	12	17	29.92	29.99
13	SCT	250			6.00	HZ	92	70	77	49	16	25	29.88	29.95
16	BKN	250			9.00	TS	91	70	76	50	15	20	29.82	29.89
19	OVC	250			9.00		74	70	71	87	8	20	29.84	29.91
22	BKN	250			4.00	BR	74	70	71	87	5	10	29.88	29.95
SUNRISE: 0449						JUL 05			SUNSET: 1937					
01	OVC	250			6.00	BR	74	70	71	87	5	20	29.90	29.97
04	BKN	250			7.00		73	70	71	90	8	20	29.87	29.93
07	OVC	200			5.00	BR	74	71	72	90	8	20	29.88	29.95
10	BKN	150			8.00		81	72	75	74	7	25	29.88	29.95
13	BKN	045			10.00		83	70	74	65	5	VR	29.87	29.94
16	BKN	110			8.00	-RA	74	71	72	90	0	00	29.85	29.91
19	BKN	100			8.00		75	72	73	90	6	19	29.86	29.92
22	OVC	011			5.00	-RA BR	73	71	72	93	9	20	29.86	29.93
SUNRISE: 0449						JUL 06			SUNSET: 1936					
01	OVC	019			10.00	-RA	71	69	70	93	7	27	29.86	29.93
04	BKN	110			7.00		68	67	67	97	7	34	29.88	29.95
07	OVC	037			4.00	BR	69	68	68	97	7	35	29.93	30.00
10	OVC	024			10.00		68	60	63	76	17	01	29.99	30.06
13	BKN	150			10.00		75	59	65	58	13	01	30.02	30.09
16	BKN	250			10.00		80	59	67	49	7	34	30.02	30.09
19	BKN	250			10.00		75	58	65	56	12	35	30.06	30.12
22	SCT	250			10.00		70	55	61	59	8	33	30.10	30.17

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE Observation Time (LST)	SATELLITE Eff Cld Amt Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F DRY BULB	TEMPERATURE °F DEW POINT	TEMPERATURE °F WET BULB	RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH)	WIND DIRECTION Tens of Deg	PRESSURE (INCHES, HG) STATION	PRESSURE (INCHES, HG) SEA LEVEL
SUNRISE: 0450						JUL 07			SUNSET: 1936					
01	CLR	NC			10.00		64	56	59	75	6	35	30.13	30.20
04	FEW	250			10.00		62	56	59	81	7	33	30.15	30.22
07	FEW	250			10.00		68	57	62	68	8	35	30.19	30.26
10	SCT	250			10.00		75	56	64	52	10	02	30.20	30.27
13	BKN	250			10.00		78	57	65	49	13	03	30.19	30.25
16	BKN	250			10.00		79	57	66	47	10	02	30.16	30.22
19	SCT	250			10.00		75	61	66	62	8	11	30.16	30.23
22	FEW	070			10.00		71	60	64	68	3	24	30.18	30.25
SUNRISE: 0451						JUL 08			SUNSET: 1936					
01	CLR	NC			10.00		68	62	64	81	0	00	30.18	30.24
04	FEW	250			10.00		64	61	62	90	7	35	30.14	30.21
07	OVC	200			10.00		68	61	64	78	5	34	30.15	30.22
10	BKN	200			10.00		76	64	68	67	5	02	30.15	30.22
13	BKN	250			10.00		80	60	68	51	7	VR	30.11	30.18
16	BKN	250			10.00		80	58	66	47	9	08	30.06	30.13
19	BKN	250			10.00		76	61	67	60	7	13	30.05	30.12
22	FEW	095			10.00		71	63	66	76	7	18	30.06	30.12
SUNRISE: 0451						JUL 09			SUNSET: 1935					
01	FEW	100			10.00		67	63	65	87	5	19	30.04	30.11
04	FEW	055			10.00		66	63	64	90	6	18	30.03	30.10
07	SCT	250			10.00		69	65	66	87	7	17	30.04	30.11
10	SCT	250			10.00		78	64	69	62	9	17	30.03	30.09
13	BKN	250			10.00		82	62	69	51	16	18	29.99	30.06
16	BKN	200			10.00		81	60	68	49	16	20	29.95	30.02
19	BKN	250			10.00		78	64	69	62	12	17	29.95	30.01
22	FEW	250			10.00		75	64	68	69	16	19	29.97	30.03
SUNRISE: 0452						JUL 10			SUNSET: 1935					
01	SCT	250			9.00		72	65	68	79	9	20	29.96	30.02
04	SCT	250			7.00		69	65	66	87	6	21	29.96	30.02
07	FEW	250			5.00	BR	71	67	68	87	7	21	29.99	30.06
10	SCT	250			5.00	HZ	78	69	72	74	7	17	29.99	30.06
13	SCT	050			6.00	HZ	83	70	74	65	9	17	29.98	30.05
16	BKN	250			6.00	HZ	84	70	74	63	13	18	29.95	30.02
19	BKN	250			6.00	HZ	82	73	76	74	9	18	29.96	30.03
22	SCT	250			7.00		80	69	73	69	14	20	30.01	30.07
SUNRISE: 0453						JUL 11			SUNSET: 1935					
01	SCT	250			7.00		77	68	71	74	12	20	30.01	30.08
04	BKN	250			6.00	HZ	75	69	71	82	9	19	30.01	30.08
07	BKN	250			4.00	HZ	76	70	72	82	10	18	30.04	30.11
10	BKN	250			4.00	HZ	80	73	75	79	9	17	30.05	30.12
13	OVC	250			5.00	HZ	86	72	76	63	12	17	30.05	30.11
16	BKN	250			5.00	HZ	86	74	78	68	8	21	30.03	30.10
19	BKN	250			5.00	HZ	84	74	77	72	8	19	30.02	30.09
22	OVC	250			5.00	HZ	81	75	77	82	9	18	30.05	30.12
SUNRISE: 0453						JUL 12			SUNSET: 1934					
01	OVC	250			5.00	HZ	80	72	75	77	8	20	30.02	30.09
04	OVC	130			5.00	HZ	78	72	74	82	6	20	30.01	30.08
07	OVC	250			4.00	HZ	78	73	75	85	9	19	30.03	30.10
10	OVC	250			4.00	HZ	83	75	77	77	12	18	30.02	30.09
13	BKN	250			4.00	HZ	88	76	79	68	13	17	29.98	30.05
16	OVC	250			6.00	TS HZ	79	74	76	85	5	19	29.95	30.02
19	BKN	250			6.00	BR	75	73	74	94	7	21	29.95	30.01
22	OVC	250			7.00		74	72	73	94	0	00	29.97	30.03

OBSERVATIONS AT 3-HOURLY INTERVALS

WASHINGTON DC, DC

JULY 2006 KDCA WBAN # 13743

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE Observation Time (LST)	SATELLITE Eff Cld Amt Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F DRY BULB	TEMPERATURE °F DEW POINT	TEMPERATURE °F WET BULB	RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH)	WIND DIRECTION Tens of Deg	PRESSURE (INCHES, HG) STATION	PRESSURE (INCHES, HG) SEA LEVEL
SUNRISE: 0454						JUL 13			SUNSET: 1934					
01	BKN	250			6.00	BR	74	72	73	94	9	21	29.92	29.99
04	BKN	130			5.00	BR	74	72	73	94	7	20	29.89	29.96
07	OVC	250			5.00	BR	76	73	74	90	8	20	29.90	29.97
10	BKN	150			6.00	-RA	80	73	75	79	8	22	29.91	29.98
13	BKN	130			8.00		81	74	76	79	12	26	29.92	29.99
16	OVC	250			10.00		84	73	76	70	8	25	29.88	29.95
19	BKN	250			10.00		82	73	76	74	8	21	29.89	29.96
22	OVC	100			10.00		80	72	75	77	6	26	29.92	29.99
SUNRISE: 0455						JUL 14			SUNSET: 1933					
01	OVC	100			9.00		78	74	75	88	3	18	29.92	29.99
04	BKN	065			9.00		78	74	75	88	0	00	29.91	29.98
07	OVC	250			6.00	BR	78	74	75	88	3	15	29.93	30.00
10	BKN	250			7.00		81	74	76	79	0	00	29.94	30.01
13	BKN	050			5.00	HZ	83	76	78	80	10	15	29.93	30.00
16	OVC	100			7.00	-RA	84	73	76	70	7	12	29.91	29.98
19	BKN	250			5.00	HZ	81	74	76	79	7	15	29.91	29.97
22	SCT	250			4.00	BR	78	75	76	91	5	19	29.93	30.00
SUNRISE: 0455						JUL 15			SUNSET: 1933					
01	BKN	012			3.00	BR	77	75	76	94	6	14	29.90	29.97
04	OVC	005			3.00	BR	76	74	75	94	3	13	29.87	29.94
07	OVC	007			2.00	BR	77	75	76	94	3	21	29.89	29.96
10	OVC	009			2.50	BR	79	76	77	91	6	20	29.90	29.97
13	BKN	150			8.00		88	73	77	61	7	27	29.85	29.92
16	BKN	100			9.00		83	73	76	72	7	28	29.83	29.90
19	SCT	250			8.00		85	71	75	63	13	32	29.84	29.91
22	FEW	085			10.00		80	70	73	72	6	33	29.88	29.95
SUNRISE: 0456						JUL 16			SUNSET: 1932					
01	FEW	250			10.00		79	69	72	72	10	33	29.90	29.96
04	FEW	250			10.00		74	67	69	79	8	35	29.93	29.99
07	FEW	250			10.00		77	68	71	74	8	36	29.95	30.02
10	SCT	250			10.00		86	66	73	51	12	01	29.96	30.03
13	FEW	060			10.00		90	66	74	45	13	01	29.97	30.04
16	FEW	065			10.00		91	66	74	44	9	02	29.93	30.00
19	CLR	NC			10.00		86	65	72	50	7	01	29.93	30.00
22	CLR	NC			10.00		83	70	74	65	3	17	29.93	30.00
SUNRISE: 0457						JUL 17			SUNSET: 1932					
01	CLR	NC			10.00		77	70	72	79	5	21	29.95	30.01
04	CLR	NC			10.00		76	69	71	79	6	25	29.95	30.02
07	FEW	250			10.00		81	70	74	69	0	00	29.98	30.04
10	FEW	250			10.00		89	72	77	57	7	VR	29.97	30.04
13	FEW	050			10.00		94	70	77	46	3	VR	29.95	30.02
16	FEW	065			10.00		93	73	79	52	7	19	29.91	29.98
19	CLR	NC			10.00		92	67	75	44	8	28	29.90	29.97
22	CLR	NC			9.00		84	74	77	72	6	22	29.91	29.98
SUNRISE: 0458						JUL 18			SUNSET: 1931					
01	CLR	NC			6.00	BR	80	76	77	88	6	18	29.91	29.98
04	CLR	NC			8.00		77	72	74	85	7	20	29.91	29.98
07	SCT	250			6.00	HZ	82	73	76	74	0	00	29.93	30.00
10	SCT	250			9.00		91	73	78	56	7	VR	29.93	30.00
13	SCT	250			7.00		95	71	78	46	6	15	29.91	29.98
16	SCT	250			6.00	HZ	93	76	81	58	10	12	29.89	29.96
19	BKN	250			6.00	HZ	90	73	78	57	8	23	29.91	29.98
22	BKN	250			10.00		78	66	70	67	7	04	29.98	30.05

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE Observation Time (LST)	SATELLITE Eff Cld Amt Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F DRY BULB	TEMPERATURE °F DEW POINT	TEMPERATURE °F WET BULB	RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH)	WIND DIRECTION Tens of Deg	PRESSURE (INCHES, HG) STATION	PRESSURE (INCHES, HG) SEA LEVEL
SUNRISE: 0458						JUL 19			SUNSET: 1931					
01	BKN	250			10.00		77	67	70	71	8	08	29.97	30.04
04	BKN	250			9.00		73	66	69	79	8	35	29.98	30.05
07	SCT	250			7.00		77	69	72	76	6	04	30.02	30.09
10	FEW	250			10.00		84	67	73	57	6	VR	30.05	30.11
13	FEW	060			10.00		90	66	74	45	5	07	30.02	30.09
16	FEW	055			9.00		89	69	75	52	7	05	29.98	30.04
19	FEW	130			9.00		85	70	75	61	8	07	29.99	30.06
22	OVC	150			9.00		81	70	74	69	6	09	30.06	30.12
SUNRISE: 0459						JUL 20			SUNSET: 1930					
01	OVC	150			8.00		77	71	73	82	7	07	30.06	30.12
04	BKN	011			8.00		75	72	73	90	6	07	30.03	30.09
07	BKN	250			6.00	HZ	77	72	74	85	9	06	30.06	30.12
10	SCT	023			9.00		83	71	75	67	3	03	30.05	30.12
13	SCT	050			7.00		87	71	76	59	6	18	30.00	30.07
16	BKN	250			8.00		86	71	76	61	8	18	29.95	30.02
19	SCT	250			6.00	HZ	84	72	76	67	8	19	29.94	30.01
22	FEW	250			6.00	HZ	81	75	77	82	9	18	29.94	30.01
SUNRISE: 0460						JUL 21			SUNSET: 1929					
01	SCT	046			8.00		79	72	74	79	7	22	29.92	29.98
04	BKN	250			7.00		78	73	75	85	8	21	29.87	29.93
07	SCT	250			5.00	HZ	78	72	74	82	8	22	29.89	29.96
10	BKN	200			5.00	HZ	84	75	78	74	9	17	29.88	29.95
13	SCT	070			5.00	HZ	90	71	77	54	7	32	29.85	29.92
16	OVC	130			8.00		86	71	76	61	12	22	29.81	29.88
19	BKN	250			8.00		80	70	73	72	10	19	29.80	29.87
22	BKN	250			10.00		77	69	72	76	10	24	29.81	29.88
SUNRISE: 0501						JUL 22			SUNSET: 1929					
01	OVC	150			10.00		75	70	72	85	7	19	29.77	29.83
04	OVC	080			6.00	BR	76	73	74	90	7	19	29.71	29.78
07	OVC	120			4.00	BR	78	75	76	91	9	20	29.71	29.78
10	BKN	120			8.00		83	73	76	72	14	23	29.69	29.76
13	BKN	120			8.00		85	74	77	70	15	19	29.67	29.74
16	BKN	250			10.00		88	71	76	57	20	22	29.63	29.70
19	BKN	050			2.00	+RA	75	70	72	85	16	28	29.67	29.73
22	OVC	070			6.00	-TSRA BR	73	71	72	93	12	21	29.76	29.83
SUNRISE: 0502						JUL 23			SUNSET: 1928					
01	SCT	250			10.00		72	70	71	93	6	22	29.74	29.81
04	OVC	150			10.00		72	69	70	90	8	26	29.78	29.85
07	OVC	250			10.00		72	64	67	76	9	32	29.80	29.86
10	OVC	085			10.00	-RA	75	66	69	74	7	02	29.84	29.91
13	BKN	250			10.00		81	65	71	58	5	07	29.83	29.90
16	BKN	060			10.00		81	63	69	54	8	35	29.82	29.88
19	SCT	250			10.00		79	60	67	52	10	35	29.84	29.91
22	CLR	NC			10.00		75	59	65	58	3	24	29.89	29.96
SUNRISE: 0502						JUL 24			SUNSET: 1927					
01	FEW	250			10.00		71	63	66	76	5	26	29.91	29.98
04	FEW	250			10.00		70	62	65	76	0	00	29.93	30.00
07	CLR	NC			10.00		73	65	68	76	6	36	29.98	30.05
10	FEW	032			10.00		82	60	68	47	8	33	29.99	30.06
13	SCT	060			10.00		84	62	70	48	8	18	29.98	30.05
16	SCT	250			10.00		84	64	71	51	8	16	29.95	30.02
19	OVC	250			10.00		81	65	71	58	10	19	29.96	30.03
22	SCT	250			10.00		78	68	71	71	14	17	29.99	30.06

OBSERVATIONS AT 3-HOURLY INTERVALS

WASHINGTON DC, DC

JULY 2006 KDCA WBAN # 13743

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE Observation Time (LST)	SATELLITE Eff Cld Amt Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F DRY BULB	TEMPERATURE °F DEW POINT	TEMPERATURE °F WET BULB	RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH)	WIND DIRECTION Tens of Deg	PRESSURE (INCHES, HG) STATION	PRESSURE (INCHES, HG) SEA LEVEL
SUNRISE: 0503					JUL 25				SUNSET: 1926					
01	BKN	250			10.00		74	65	68	74	12	20	30.00	30.06
04	SCT	250			9.00		72	68	69	87	13	19	29.99	30.06
07	SCT	150			8.00		74	70	71	87	8	19	30.01	30.08
10	OVC	250			9.00		78	72	74	82	8	17	30.01	30.07
13	OVC	250			9.00		82	72	75	72	9	18	29.97	30.03
16	BKN	250			9.00		83	69	74	63	10	18	29.93	30.00
19	OVC	250			10.00		80	70	73	72	9	17	29.93	30.00
22	BKN	110			10.00		77	71	73	82	9	18	29.94	30.01
SUNRISE: 0504					JUL 26				SUNSET: 1925					
01	BKN	250			10.00		74	72	73	94	6	20	29.94	30.01
04	SCT	250			6.00	BR	73	71	72	93	5	22	29.91	29.98
07	SCT	250			5.00	BR	76	73	74	90	5	17	29.92	29.99
10	BKN	250			9.00		83	71	75	67	5	VR	29.94	30.01
13	FEW	035			10.00		86	69	74	57	9	17	29.91	29.98
16	FEW	065			7.00		87	68	74	53	12	18	29.87	29.94
19	SCT	250			10.00		83	69	74	63	12	19	29.87	29.93
22	FEW	250			10.00		79	72	74	79	10	17	29.90	29.96
SUNRISE: 0505					JUL 27				SUNSET: 1925					
01	SCT	250			10.00		77	74	75	91	9	18	29.90	29.96
04	OVC	120			8.00		76	73	74	90	9	20	29.90	29.97
07	BKN	250			5.00	HZ	78	73	75	85	9	21	29.93	30.00
10	BKN	250			6.00	HZ	83	75	77	77	9	17	29.93	30.00
13	BKN	250			9.00		92	72	78	52	12	17	29.91	29.98
16	BKN	250			7.00		90	72	77	56	14	19	29.88	29.96
19	BKN	250			10.00		86	71	76	61	9	18	29.89	29.96
22	OVC	250			7.00		84	76	78	77	13	20	29.92	29.99
SUNRISE: 0506					JUL 28				SUNSET: 1924					
01	BKN	250			7.00		81	76	77	85	6	20	29.92	29.98
04	CLR	NC			7.00		79	74	76	85	9	21	29.91	29.98
07	BKN	250			8.00		79	75	76	88	12	18	29.94	30.01
10	OVC	250			10.00		87	73	77	63	10	20	29.92	29.99
13	BKN	250			10.00		91	68	75	47	14	26	29.90	29.97
16	BKN	250			10.00		88	64	72	45	17	28	29.90	29.97
19	BKN	250			10.00		85	66	72	53	9	28	29.90	29.97
22	BKN	250			10.00		83	65	71	55	7	26	29.93	30.00
SUNRISE: 0507					JUL 29				SUNSET: 1923					
01	BKN	090			10.00		79	65	70	62	5	23	29.94	30.01
04	BKN	250			10.00		78	66	70	67	0	00	29.92	29.99
07	OVC	110			10.00		79	67	71	67	3	36	29.94	30.01
10	FEW	045			10.00		87	68	74	53	15	30	29.92	29.99
13	BKN	075			10.00		91	69	76	49	8	27	29.90	29.96
16	BKN	100			10.00	TS	84	73	76	70	14	17	29.84	29.91
19	BKN	060			10.00		85	75	78	72	7	17	29.82	29.89
22	SCT	250			10.00		82	75	77	79	5	22	29.84	29.91
SUNRISE: 0507					JUL 30				SUNSET: 1922					
01	CLR	NC			9.00		81	71	74	72	7	32	29.82	29.88
04	FEW	250			7.00		78	69	72	74	9	32	29.81	29.88
07	BKN	250			6.00	HZ	80	70	73	72	7	31	29.83	29.89
10	BKN	250			6.00	HZ	87	71	76	59	6	VR	29.81	29.88
13	SCT	250			10.00		94	68	76	43	8	31	29.79	29.86
16	SCT	250			10.00		93	68	76	44	13	30	29.76	29.83
19	BKN	250			10.00		90	68	75	48	7	33	29.75	29.82
22	BKN	250			10.00		85	71	75	63	8	33	29.79	29.86

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE Observation Time (LST)	SATELLITE Eff Cld Amt Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F DRY BULB	TEMPERATURE °F DEW POINT	TEMPERATURE °F WET BULB	RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH)	WIND DIRECTION Tens of Deg	PRESSURE (INCHES, HG) STATION	PRESSURE (INCHES, HG) SEA LEVEL
SUNRISE: 0508					JUL 31				SUNSET: 1921					
01	BKN	250			8.00		82	71	74	69	3	36	29.81	29.88
04	BKN	250			6.00	HZ	79	72	74	79	6	36	29.81	29.88
07	CLR	NC			6.00	HZ	82	72	75	72	7	35	29.84	29.91
10	BKN	140			6.00	HZ	89	72	77	57	8	36	29.87	29.93
13	SCT	140			10.00		95	66	75	39	8	36	29.84	29.91
16	BKN	250			9.00		95	68	76	41	12	31	29.81	29.88
19	SCT	250			6.00	HZ	91	71	77	52	13	26	29.83	29.90
22	FEW	250			7.00		86	72	76	63	12	26	29.88	29.94

3-HOURLY OBSERVATION NOTES

Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8, SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, W = Vertical Visibility = 8/8

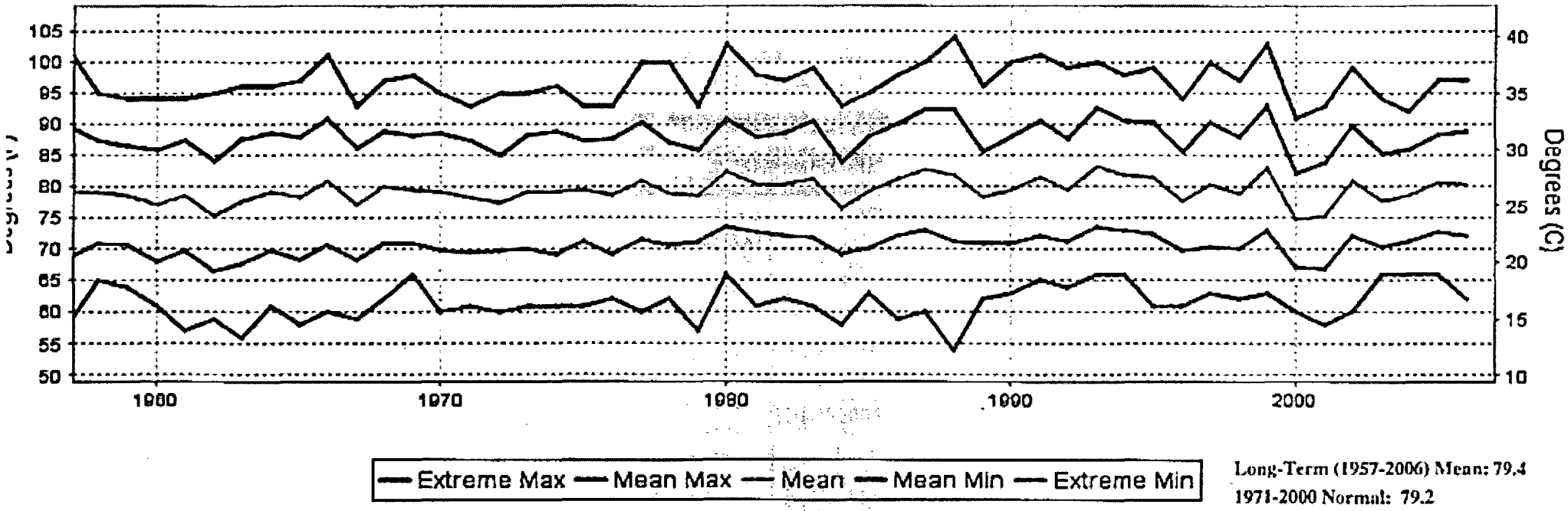
Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet. NC = No Ceiling detected.

& = Original observation containted additional weather elements. See page 3 for additional notes.

SUMMARY BY HOUR

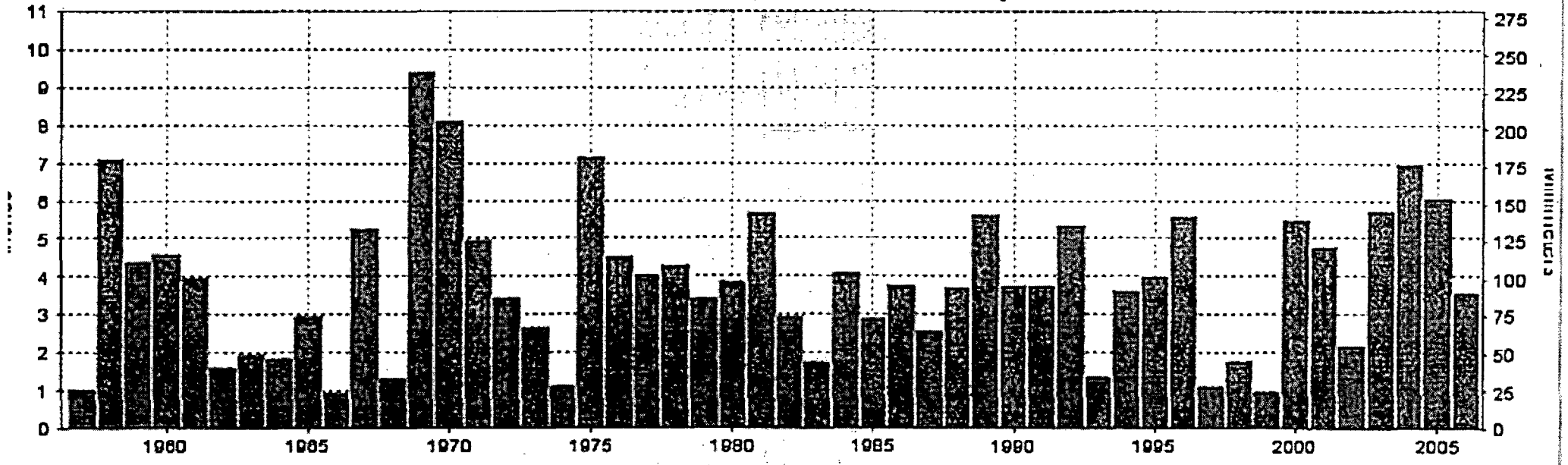
HOUR (LST)	AVERAGES CEILOMETER	AVERAGES EFF CLD AMT	AVERAGES DRY BULB	AVERAGES DEW POINT	AVERAGES WET BULB	AVERAGES RELATIVE HUMIDITY	AVERAGES PRESSURE (Inches, HG) STATION	AVERAGES PRESSURE (Inches, HG) SEA LEVEL	AVERAGES VISIBILITY (Miles)	AVERAGES WIND SPEED (MPH)	RESULTANT WIND (MPH) SPEED	RESULTANT WIND (MPH) DIRECTION
01			75	69	71	81	29.95	30.01	8.48	7	4	20
02			75	69	71	83	29.94	30.01	8.23	6	4	21
03			74	69	71	85	29.94	30.01	7.85	6	4	21
04			73	69	70	85	29.94	30.01	7.71	6	5	21
05			73	69	70	86	29.95	30.01	7.24	6	4	21
06			74	69	71	84	29.96	30.03	6.60	6	5	21
07			76	70	72	82	29.96	30.03	6.61	7	4	19
08			78	70	72	77	29.97	30.04	7.05	8	5	21
09			80	70	73	72	29.97	30.04	7.56	8	4	20
10			82	70	74	68	29.97	30.03	7.69	9	5	19
11			84	70	74	64	29.97	30.03	7.74	9	5	18
12			85	69	74	59	29.96	30.02	8.16	9	5	19
13			87	68	74	55	29.94	30.01	8.52	10	5	20
14			87	68	74	55	29.93	30.00	8.27	11	4	20
15			87	68	74	55	29.92	29.99	8.61	11	5	22
16			86	68	74	57	29.91	29.98	8.71	10	5	21
17			84	68	73	60	29.91	29.98	8.84	9	4	20
18			83	68	73	62	29.91	29.98	8.68	10	4	21
19			82	69	73	66	29.92	29.98	8.26	9	4	21
20			80	69	73	70	29.92	29.99	8.52	8	4	19
21			79	69	73	72	29.94	30.01	8.48	8	4	19
22			78	69	72	75	29.95	30.01	8.45	8	4	21
23			77	69	72	77	29.95	30.02	8.52	7	5	20
24			76	69	72	80	29.95	30.01	8.34	6	5	21

WASHINGTON DC, DC JULY Temperatures



Long-Term (1957-2006) Mean: 79.4
1971-2000 Normal: 79.2

WASHINGTON DC, DC JULY Precipitation



Long-Term (1957-2006) Mean Monthly Total: 3.87 1971-2000 Normal: 3.66

Published By: National Climatic Data Center

JULY 2006
WASHINGTON DC, DC

LOCAL CLIMATOLOGICAL DATA
NOAA, National Climatic Data Center

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AUGUST 2005
LOCAL CLIMATOLOGICAL DATA
NOAA, National Climatic Data Center

WASHINGTON DC, DC
RONALD REAGAN WASH NTL APT (DCA)
Lat: 38°51' N Long: 77°02' W Elev (Ground): 10 Feet
Time Zone: EASTERN WBAN: 13743 ISSN #:0198–1188

DATE	TEMPERATURE F MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	DEG DAYS BASE 65° HEATING	COOLING	WEATHER	SNOW/ICE ON GND(IN) 0700 LST DEPTH	1300 LST WATER EQUIV	PRECIPITATION (INCHES) 2400 LST SNOW-FALL	2400 LST WATER EQUIV	PRESSURE (INCHES OF HG) AVERAGE STATION	AVERAGE SEA LEVEL	WIND SPEED = MPH DIR = TENS OF DEGREES RESULTANT SPEED	RES DIR	AVERAGE SPEED	MAXIMUM 5-SEC SPEED	DIR	MAXIMUM 2-MIN SPEED	DIR	DATE
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
01	87	71	79	0	67	71	0	14	BR HZ	0		0.0	0.00	30.05	30.12	2.0	16	5.1	13	23	10	22	01
02	94	72	83	4	68	73	0	18	HZ	0		0.0	0.00	29.96	30.02	3.4	31	6.3	16	34	13	31	02
03	93	75	84	5	68	73	0	19	HZ	0		0.0	0.00	29.93	30.00	4.4	36	6.2	18	34	15	02	03
04	97	77	87	8	69	75	0	22	HZ	0		0.0	0.00	29.98	30.05	4.0	21	6.9	17	21	15	21	04
05	97*	76	87	8	68	74	0	22	TS TSRA HZ	0		0.0	0.01	30.01	30.08	2.0	26	8.1	23	36	20	36	05
06	90	76	83	5	66	72	0	18	HZ	0		0.0	0.00	30.05	30.12	2.7	02	6.6	16	13	14	12	06
07	89	75	82	4	68	73	0	17	HZ	0		0.0	0.00	30.06	30.13	5.3	18	6.8	16	14	14	15	07
08	87	72	80	2	68	72	0	15	TS TSRA RA BR HZ	0		0.0	1.17	30.08	30.15	1.0	29	7.3	32	24	30*	24	08
09	76	72	74	-4	69	71	0	9	RA BR	0		0.0	0.16	30.04	30.11	5.8	08	6.5	15	14	14	09	09
10	86	73	80	2	69	72	0	15	RA	0		0.0	T	29.93	30.00	0.1	12	4.8	14	14	9	16	10
11	93	73	83	5	70	74	0	18	BR HZ	0		0.0	0.00	29.91	29.98	3.1	21	5.1	16	25	14	26	11
12	95	78	87	9	74	77	0	22	BR HZ	0		0.0	0.00	29.91	29.98	8.0	19	8.5	17	19	15	19	12
13	95	78	87*	9	73	77	0	22	HZ	0		0.0	0.00	29.86	29.93	8.5	19	8.9	18	18	16	18	13
14	94	78	86	8	73	77	0	21	HZ	0		0.0	0.00	29.86	29.92	8.1	20	8.2	18	20	16	21	14
15	90	78	84	6	67	72	0	19	HZ	0		0.0	0.00	29.98	30.04	8.3	36	9.8	23	32	18	36	15
16	82	71	77	0	70	72	0	12	TSRA RA BR HZ	0		0.0	0.13	29.98	30.05	4.9	08	7.8	20	05	16	06	16
17	88	68	78	1	62	68	0	13	HZ	0		0.0	0.00	29.95	30.02	3.1	35	6.7	20	05	15	36	17
18	89	69	79	2	64	69	0	14	HZ	0		0.0	0.00	29.97	30.04	6.5	19	7.5	18	19	15	19	18
19	78	71	75	-2	67	69	0	10	RA DZ BR	0		0.0	0.37	29.97	30.04	2.8	12	5.3	18	10	16	11	19
20	90	74	82	5	72	75	0	17	BR HZ	0		0.0	0.00	29.92	29.99	4.3	20	6.2	18	20	15	20	20
21	94	75	85	8	67	73	0	20	BR HZ	0		0.0	0.00	29.82	29.89	4.8	33	8.3	21	33	16	33	21
22	88	70	79	2	57	66	0	14		0		0.0	0.00	29.83	29.90	5.0	32	7.1	22	30	18	31	22
23	84	68	76	-1	57	64	0	11		0		0.0	0.00	29.93	30.00	5.2	06	7.0	18	01	15	01	23
24	85	68	77	0	55	63	0	12		0		0.0	0.00	30.05	30.12	7.2	03	7.7	18	36	16	02	24
25	84	62*	73	-4	54	62	0	8		0		0.0	0.00	30.15	30.22	0.8	16	5.2	17	14	15	14	25
26	80	65	73	-3	58	64	0	8		0		0.0	0.00	30.04	30.11	6.0	19	6.6	15	20	13	20	26
27	73	67	70*	-6	63	66	0	5	RA	0		0.0	0.22	29.93	30.00	3.7	19	5.0	14	14	13	14	27
28	87	72	80	4	70	72	0	15	RA DZ BR HZ	0		0.0	0.27	29.88	29.95	5.6	19	6.9	17	21	15	20	28
29	87	71	79	3	69	72	0	14	BR	0		0.0	0.00	29.90	29.96	5.3	17	5.8	15	16	14	17	29
30	86	74	80	4	73	75	0	15	RA	0		0.0	T	29.77	29.83	8.2	16	8.8	22	18	18	18	30
31	87	72	80	5	68	72	0	15	RA	0		0.0	T	29.57	29.64	11.1	23	15.1	35*	29	28	30	31
	87.9	72.3	80.1		66.6	71.1	0.0	15.3	< MONTHLY AVERAGES	TOTALS–>		0.0	2.33	29.94	30.01	1:5	19	7.2	<– MONTHLY AVERAGES				
	1.6	3.7	2.7		<–––––––––––––DEPARTURE FROM NORMAL––––––––––––––>								-1.11	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									

DEGREE DAYS

	MONTHLY TOTAL	MONTHLY DEPARTURE	SEASON TO DATE TOTAL	SEASON TO DATE DEPARTURE
HEATING:	0	-7	0	-7
COOLING:	474	67	1343	44

GREATEST 24-HR PRECIPITATION: 1.27 DATE :08-09
GREATEST 24-HR SNOWFALL: 0.0 DATE :
GREATEST SNOW DEPTH: 0 DATE :

SEA LEVEL PRESSURE		DATE	TIME
MAXIMUM	30.28	25	0851
MINIMUM	29.56	31	1351

NUMBER OF DAYS WITH →

MAXIMUM TEMP ≥ 90:	12	MINIMUM TEMP ≤ 32 :	0	PRECIPITATION ≥ 0.01 INCH :	7
MAXIMUM TEMP ≤ 32 :	0	MINIMUM TEMP ≤ 0 :	0	PRECIPITATION ≥ 0.10 INCH :	6
THUNDERSTORMS :	3	HEAVY FOG :	0	SNOWFALL ≥ 1.0 INCH :	0

AUGUST 2005
WASHINGTON DC, DC

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

WASHINGTON DC, DC

AUGUST 2005 DCA WBAN # 13743

DATE	FOR HOUR (LST) ENDING AT											
	1	2	3	4	5	6	7	8	9	10	11	12
01												
02												
03												
04												
05												
06												
07												
08												
09		T		T	T	T		0.06	0.01	0.02	T	0.01
10		T										
11												
12												
13												
14												
15												
16								T		T		0.03
17												
18												
19		T	0.02	0.07	T	T		T	0.09	0.18	T	
20												
21												
22												
23												
24												
25												
26												
27				T	T	0.01	T	0.05	0.04	0.03	0.01	T
28	0.10	0.17										
29												
30										T		
31												

DATE	FOR HOUR (LST) ENDING AT											
	13	14	15	16	17	18	19	20	21	22	23	24
01												
02												
03												
04												
05										0.01	T	
06												
07												
08	0.43					0.01	0.24	0.46	0.02	0.01	T	
09	0.02	0.03	T	T	0.01							
10												
11												
12												
13												
14												
15												
16	T			T	0.01	0.02	0.04	0.03	T	T	T	
17												
18												
19			T	0.01	T	T		T	T			
20												
21												
22												
23												
24												
25												
26												
27				T	T	0.01	0.04	0.03	T			T
28												
29												
30												
31					T							

DATE	Sum if Different (See Note)	2400 LST Water Equiv.
01		0.00
02		0.00
03		0.00
04		0.00
05		0.01
06		0.00
07		0.00
08		1.17
09		0.16
10		T
11		0.00
12		0.00
13		0.00
14		0.00
15		0.00
16		0.13
17		0.00
18		0.00
19		0.37
20		0.00
21		0.00
22		0.00
23		0.00
24		0.00
25		0.00
26		0.00
27		0.22
28		0.27
29		0.00
30		T
31		T

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.31	.55	.63	.64	.65	.66	.67	.69	.69	.71	.72	.73
Ending Date	08	08	08	08	08	08	08	08	08	08	08	08
Ending Time (Hour/Min)	1854	1858	1902	1906	1906	1923	1946	1952	1952	1952	1952	2042

Date and time are not entered for TRACE amounts.

Note : The sum of the hourly totals is given when it differs from the daily total. NWS does not edit ASOS hourly values but may edit daily and monthly totals. Hourly, daily, and monthly totals are printed as reported by the ASOS site.

REFERENCE NOTES & SUPPLEMENTAL SUMMARIES

* = Extreme for the month (last occurence if more than one)
T = Trace precipitation amount
+ = also occurs on earlier date
FG+ = Heavy fog, visibility .25 miles or less
BLANK entries denote missing or unreported data

Resultant wind is the vector sum of the wind speeds and directions divided by the number of observations.

Wind direction is recorded in tens of degrees (2 digits) clockwise from true north. '00' = calm, 'VR' = variable.

Precipitation is for the 24-hour period ending at the time indicated in the column heading.

Water Equivalent of snow on the ground is reported only when the depth is 2 or more inches.

NORMALS ARE FOR THE YEARS 1971-2000

WEATHER NOTATIONS

QUALIFIER	WEATHER PHENOMENA		
DESCRIPTOR	PRECIPITATION	OBSCURATION	OTHER
BC Patches	DZ Drizzle	BR Mist	DS Duststorm
BL Blowing	GR Hail	DU Widespread Dust	FC Funnel Cloud
DR Low Drifting	GS Small Hail and/or Snow Pellets	FG Fog	+FC Tornado Waterspout
FZ Freezing	IC Ice Crystals	FU Smoke	PO Well-Developed Dust/Sand Whirls
MI Shallow	PL Ice Pellets	HZ Haze	SQ Squalls
PR Partial	RA Rain	PY Spray	SS Sandstorm
SH Shower(s)	SG Snow Grains	SA Sand	GL Glaze
TS Thunderstorm	SN Snow	VA Volcanic Ash	
VC In the Vicinity	UP Unknown Precipitation		

Intensity (as indicated on pages 4 to 6):
'+' = Heavy ' ' = Moderate '-' = Light

WASHINGTON DC, DC
AUGUST 2005

Ceilometer (30-second) data are used to derive cloudiness at or below 12,000 feet. This cloudiness is the mean cloud cover detected during sunrise to sunset (SR-SS), or midnight to midnight (MN-MN).

Satellite data are used to derive cloudiness above 12,000 feet. Effective Cloud Amount is based on the cloud cover and the transparency of the clouds within the satellite field of view (approx. 31x31 miles).

Sky Condition is based on the sum (not to exceed 8) of the sunrise to sunset cloud cover below and above 12,000 feet. Both ceilometer and satellite data must be present to compute Sky Condition. Clear = 0-2 oktas, Partly Cloudy = 3-6 oktas, Cloudy = 7-8 oktas.

A Heating (Cooling) Degree Day is the difference between the average daily temperature and 65 degrees F. The HDD season begins July 1, the CDD season begins January 1.

Dew Point is the temperature to which the air must be cooled to achieve 100% relative humidity.
Wet Bulb is the temperature the air would have if cooled to saturation at constant pressure by evaporation of water into it.

Snow Depth, Snowfall, and Sunshine data may come from nearby sites that the National Weather Service deems Climatologically representative of this site.

ADDITIONAL NOTES:

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
			SR-SS		MN-MN				
	TOTAL MINUTES	PERCENT POSSIBLE	CEILOMETER	SATELLITE	CEILOMETER	SATELLITE	MINIMUM	MAXIMUM	
01							2.50	10.00	
02							4.00	10.00	
03							6.00	10.00	
04							4.00	9.00	
05							5.00	9.00	
06							5.00	10.00	
07							5.00	10.00	
08							1.00	10.00	
09							3.00	10.00	
10							8.00	10.00	
11							4.00	9.00	
12							2.50	6.00	
13							2.50	6.00	
14							3.00	7.00	
15							6.00	10.00	
16							3.00	10.00	
17							6.00	10.00	
18							5.00	10.00	
19							1.50	10.00	
20							5.00	9.00	
21							3.00	10.00	
22							10.00	10.00	
23							10.00	10.00	
24							10.00	10.00	
25							10.00	10.00	
26							10.00	10.00	
27							4.00	10.00	
28							4.00	10.00	
29							6.00	10.00	
30							9.00	10.00	
31							10.00	10.00	
MONTHLY AVGS							5.42	9.52	

SUNSHINE (MINUTES)

Total: Possible:
Percent Possible:

NUMBER OF DAYS WITH:

SKY CONDITION

CLR	PTLY CLDY	CLOUDY	MISSING
			31

MINIMUM VISIBILITY (MILES)

<=0.25	<=3.0	>=7.0
0	9	8

OBSERVATIONS AT 3-HOURLY INTERVALS

WASHINGTON DC, DC

AUGUST 2005 DCA WBAN # 13743

HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE OBSERVATION TIME (LST)	SATELLITE EFF CLD AMT Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH)	DIRECTION TENS OF DEG	PRESSURE (INCHES,HG) STATION	SEA LEVEL
SUNRISE: 0509						AUG 01	SUNSET: 1920							
01	BKN	250			10.00		73	69	70	87	0	00	30.07	30.14
04	OVC	026			5.00	BR	72	69	70	91	5	08	30.07	30.13
07	OVC	005			2.50	BR	73	70	71	90	3	05	30.11	30.17
10	SCT	NC			9.00		80	67	71	64	5	VR	30.10	30.17
13	SCT	NC			10.00		85	63	71	48	3	09	30.06	30.13
16	BKN	250			9.00		86	64	72	48	6	19	30.01	30.08
19	BKN	250			7.00		83	66	72	57	8	23	30.00	30.06
22	FEW	NC			8.00		78	68	71	71	7	17	30.01	30.08
SUNRISE: 0510						AUG 02	SUNSET: 1919							
01	FEW	NC			7.00		75	68	70	79	7	24	29.99	30.06
04	CLR	NC			6.00	HZ	73	67	69	81	7	22	29.97	30.04
07	FEW	NC			4.00	HZ	76	67	70	74	5	24	30.01	30.07
10	SCT	NC			7.00		86	69	74	57	9	36	30.00	30.07
13	SCT	NC			9.00		91	68	75	47	7	36	29.96	30.03
16	SCT	NC			9.00		93	69	76	46	6	VR	29.91	29.98
19	SCT	NC			9.00		89	67	74	48	6	29	29.90	29.97
22	FEW	NC			8.00		81	70	74	69	6	21	29.92	29.99
SUNRISE: 0511						AUG 03	SUNSET: 1918							
01	CLR	NC			8.00		81	70	74	69	0	00	29.92	29.99
04	FEW	NC			7.00		76	68	71	77	6	36	29.91	29.98
07	CLR	NC			9.00		79	66	71	65	8	34	29.95	30.02
10	CLR	NC			10.00		88	67	74	50	8	35	29.97	30.03
13	SCT	NC			9.00		91	68	75	47	9	35	29.93	30.00
16	BKN	250			10.00		92	66	74	43	9	01	29.90	29.97
19	BKN	250			10.00		87	68	74	53	7	03	29.91	29.98
22	FEW	NC			6.00	HZ	82	71	75	69	6	16	29.94	30.01
SUNRISE: 0512						AUG 04	SUNSET: 1917							
01	CLR	NC			5.00	HZ	80	72	75	76	3	18	29.96	30.03
04	CLR	NC			5.00	HZ	77	70	72	79	3	23	29.96	30.03
07	CLR	NC			5.00	HZ	80	71	74	74	6	20	30.00	30.07
10	CLR	NC			7.00		88	71	76	57	7	17	30.02	30.09
13	SCT	NC			8.00		94	64	74	37	7	VR	30.00	30.07
16	SCT	NC			8.00		95	64	74	36	3	VR	29.96	30.03
19	SCT	NC			5.00	HZ	89	73	78	59	8	20	29.95	30.02
22	CLR	NC			9.00		84	70	74	63	10	20	30.00	30.06
SUNRISE: 0513						AUG 05	SUNSET: 1916							
01	CLR	NC			7.00		80	71	74	74	9	20	30.00	30.07
04	CLR	NC			7.00		77	71	73	82	6	21	30.01	30.08
07	CLR	NC			5.00	HZ	78	71	73	79	8	21	30.02	30.09
10	CLR	NC			8.00		89	69	75	52	10	24	30.03	30.10
13	FEW	NC			9.00		95	65	75	37	5	VR	30.00	30.06
16	SCT	NC			6.00	HZ	96	63	74	34	10	30	29.95	30.02
19	BKN	150			8.00		86	67	73	53	15	02	29.98	30.05
22	OVC	250			8.00	TS	83	67	72	59	3	10	30.04	30.11
SUNRISE: 0514						AUG 06	SUNSET: 1915							
01	OVC	200			6.00	HZ	80	70	73	71	5	34	30.03	30.10
04	BKN	250			6.00	HZ	77	71	73	82	6	35	30.03	30.09
07	BKN	250			10.00		79	65	70	62	12	02	30.07	30.14
10	BKN	250			9.00		83	66	72	57	7	02	30.08	30.15
13	BKN	250			10.00		88	64	72	45	3	VR	30.05	30.12
16	BKN	065			10.00		88	64	72	45	5	VR	30.02	30.09
19	OVC	150			10.00		82	65	71	56	7	16	30.04	30.11
22	OVC	150			10.00		81	65	71	58	7	29	30.06	30.13

HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE OBSERVATION TIME (LST)	SATELLITE EFF CLD AMT Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH)	DIRECTION TENS OF DEG	PRESSURE (INCHES,HG) STATION	SEA LEVEL
SUNRISE: 0515						AUG 07	SUNSET: 1913							
01	OVC	150			10.00		77	63	68	62	5	27	30.04	30.11
04	OVC	150			8.00		77	65	69	66	0	00	30.05	30.12
07	OVC	250			6.00	HZ	77	67	70	71	3	23	30.08	30.15
10	BKN	075			8.00		82	67	72	60	9	19	30.09	30.16
13	OVC	085			8.00		86	66	73	51	9	19	30.08	30.14
16	BKN	200			7.00		87	70	75	57	13	14	30.03	30.10
19	OVC	200			7.00		83	70	74	65	9	17	30.04	30.11
22	BKN	150			8.00		79	71	74	77	5	16	30.05	30.12
SUNRISE: 0516						AUG 08	SUNSET: 1912							
01	BKN	250			7.00		78	71	73	79	6	21	30.06	30.12
04	OVC	130			8.00		78	70	73	76	8	20	30.08	30.14
07	OVC	250			9.00		78	68	71	71	7	20	30.08	30.14
10	OVC	250			10.00		85	69	74	59	3	VR	30.10	30.17
13	OVC	045			10.00		79	64	69	60	7	35	30.09	30.16
16	BKN	130			9.00		84	68	73	59	8	35	30.05	30.12
19	OVC	047			1.00	+TSRA BR	73	70	71	90	9	13	30.10	30.16
22	BKN	100			8.00		72	68	69	87	10	03	30.10	30.17
SUNRISE: 0516						AUG 09	SUNSET: 1911							
01	OVC	100			8.00		73	68	70	84	6	02	30.07	30.14
04	OVC	120			6.00	-RA BR	73	69	70	87	6	07	30.05	30.12
07	OVC	050			5.00	BR	74	70	71	88	0	00	30.07	30.14
10	OVC	060			6.00	-RA BR	75	70	72	84	9	08	30.06	30.13
13	OVC	022			7.00	-RA	73	69	70	87	6	VR	30.06	30.12
16	OVC	017			10.00		75	70	72	84	14	09	30.02	30.09
19	BKN	016			10.00		74	69	71	85	6	07	30.00	30.07
22	BKN	019			10.00		73	68	70	84	8	05	29.99	30.06
SUNRISE: 0517						AUG 10	SUNSET: 1910							
01	OVC	015			10.00		74	68	70	82	5	08	29.98	30.05
04	OVC	011			10.00		73	69	70	87	8	34	29.97	30.03
07	SCT	NC			10.00		75	68	70	79	5	03	29.97	30.03
10	BKN	035			10.00		80	68	72	67	7	04	29.96	30.03
13	OVC	045			10.00		82	67	72	60	6	VR	29.94	30.01
16	BKN	250			10.00		86	68	74	55	6	VR	29.88	29.95
19	BKN	250			10.00		82	69	73	65	5	19	29.88	29.95
22	CLR	NC			9.00		78	70	73	76	6	24	29.92	29.99
SUNRISE: 0518						AUG 11	SUNSET: 1909							
01	CLR	NC			8.00		76	71	73	85	6	24	29.89	29.96
04	CLR	NC			7.00		75	70	72	84	3	21	29.88	29.95
07	FEW	NC			6.00	HZ	76	70	72	82	5	25	29.93	29.99
10	CLR	NC			7.00		87	67	74	51	0	00	29.94	30.01
13	SCT	NC			6.00	HZ	91	67	75	45	3	VR	29.91	29.98
16	SCT	NC			8.00		91	66	74	44	6	23	29.88	29.95
19	OVC	250			8.00		88	68	74	52	7	24	29.90	29.97
22	BKN	250			5.00	HZ	82	73	76	74	5	21	29.93	30.00
SUNRISE: 0519						AUG 12	SUNSET: 1907							
01	SCT	NC			5.00	HZ	80	74	76	82	7	21	29.93	29.99
04	SCT	NC			5.00	HZ	78	72	74	82	7	20	29.92	29.99
07	CLR	NC			2.50	HZ	79	73	75	82	3	22	29.95	30.02
10	CLR	NC			3.00	HZ	85	75	78	72	7	18	29.95	30.01
13	FEW	NC			5.00	HZ	93	74	79	54	9	19	29.91	29.98
16	SCT	NC			6.00	HZ	93	72	78	50	12	18	29.87	29.94
19	SCT	NC			5.00	HZ	88	73	77	61	9	19	29.86	29.93
22	CLR	NC			5.00	HZ	85	75	78	72	12	19	29.90	29.96

OBSERVATIONS AT 3-HOURLY INTERVALS

WASHINGTON DC, DC

AUGUST 2005 DCA WBAN # 13743

HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE OBSERVATION TIME (LST)	SATELLITE EFF CLD AMT Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F DRY BULB	TEMPERATURE °F DEW POINT	TEMPERATURE °F WET BULB	RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH)	WIND DIRECTION TENS OF DEG	PRESSURE (INCHES,HG) STATION	PRESSURE (INCHES,HG) SEA LEVEL
					SUNRISE: 0520	AUG 13			SUNSET: 1906					
01	CLR	NC			5.00	HZ	82	75	77	79	8	20	29.89	29.96
04	CLR	NC			5.00	HZ	79	73	75	82	8	20	29.86	29.93
07	CLR	NC			2.50	HZ	80	73	75	79	5	VR	29.89	29.96
10	CLR	NC			3.00	HZ	86	74	78	67	6	17	29.90	29.97
13	SCT	NC			4.00	HZ	93	75	80	56	8	17	29.85	29.92
16	SCT	NC			6.00	HZ	94	70	77	46	14	18	29.80	29.87
19	SCT	NC			5.00	HZ	89	72	77	57	9	18	29.82	29.88
22	FEW	NC			5.00	HZ	85	76	79	75	12	19	29.85	29.92
					SUNRISE: 0521	AUG 14			SUNSET: 1905					
01	FEW	NC			5.00	HZ	82	74	76	77	10	20	29.84	29.91
04	CLR	NC			4.00	HZ	79	73	75	82	8	20	29.84	29.91
07	FEW	NC			4.00	HZ	79	73	75	82	6	21	29.88	29.95
10	SCT	NC			3.00	HZ	86	75	78	70	8	19	29.88	29.95
13	SCT	NC			5.00	HZ	92	71	77	51	9	19	29.85	29.92
16	SCT	NC			5.00	HZ	93	71	78	49	9	20	29.83	29.90
19	BKN	200			4.00	HZ	89	73	78	59	8	20	29.85	29.91
22	BKN	250			7.00		84	70	74	63	5	22	29.87	29.93
					SUNRISE: 0522	AUG 15			SUNSET: 1904					
01	BKN	250			6.00	HZ	81	71	74	72	8	35	29.89	29.96
04	FEW	NC			7.00		80	69	73	69	9	34	29.92	29.99
07	SCT	NC			8.00		80	69	73	69	10	34	29.98	30.04
10	SCT	NC			10.00		85	67	73	55	8	31	29.99	30.06
13	SCT	NC			10.00		88	67	74	50	13	32	29.99	30.06
16	BKN	150			10.00		89	65	73	45	10	33	29.97	30.04
19	BKN	200			10.00		84	64	71	51	10	03	29.99	30.06
22	BKN	250			10.00		80	64	70	58	10	05	30.03	30.09
					SUNRISE: 0523	AUG 16			SUNSET: 1902					
01	BKN	250			10.00		77	66	70	69	6	07	30.03	30.09
04	BKN	250			7.00		76	70	72	82	5	11	30.01	30.08
07	OVC	020			8.00		76	69	71	79	9	12	30.02	30.09
10	OVC	015			9.00		78	69	72	74	7	12	30.02	30.09
13	OVC	012			5.00	HZ	78	73	75	85	6	16	29.98	30.05
16	OVC	009			6.00	-RA BR	75	71	72	88	12	05	29.92	29.99
19	OVC	011			3.00	RA BR	74	71	72	91	6	03	29.94	30.01
22	OVC	009			6.00	-RA BR	72	68	69	87	12	01	29.96	30.03
					SUNRISE: 0524	AUG 17			SUNSET: 1860					
01	OVC	013			10.00		71	66	68	84	9	36	29.95	30.02
04	OVC	011			10.00		70	65	67	84	12	35	29.94	30.01
07	FEW	NC			7.00		70	64	66	82	6	36	29.97	30.03
10	FEW	NC			10.00		79	65	70	62	5	VR	29.97	30.03
13	SCT	NC			10.00		85	57	68	39	3	VR	29.95	30.02
16	BKN	070			10.00		86	59	69	40	8	34	29.91	29.98
19	FEW	NC			10.00		81	61	68	51	7	04	29.93	30.00
22	CLR	NC			10.00		76	62	67	62	5	21	29.96	30.03
					SUNRISE: 0525	AUG 18			SUNSET: 1858					
01	SCT	NC			10.00		74	63	67	69	0	00	29.96	30.03
04	CLR	NC			8.00		69	64	66	84	5	25	29.96	30.02
07	CLR	NC			6.00	HZ	73	65	68	76	3	21	29.99	30.06
10	SCT	NC			10.00		81	64	70	57	3	VR	30.00	30.07
13	SCT	NC			10.00		87	63	71	45	10	18	29.98	30.04
16	BKN	130			10.00		86	61	70	43	10	19	29.94	30.01
19	OVC	120			10.00		82	62	69	51	13	18	29.94	30.01
22	OVC	080			10.00		79	66	71	65	13	18	29.96	30.03
					SUNRISE: 0525	AUG 19			SUNSET: 1857					
01	OVC	075			10.00		77	66	70	69	9	21	29.97	30.04
04	OVC	065			8.00		72	67	69	84	8	12	29.97	30.03
07	OVC	060			8.00		73	67	69	81	3	20	29.98	30.05
10	OVC	027			4.00	-RA	72	66	68	82	0	00	30.01	30.07
13	OVC	022			10.00		73	67	69	81	10	13	29.98	30.05
16	OVC	008			3.00	-DZ BR	72	68	69	87	9	09	29.96	30.02
19	OVC	010			8.00		72	67	69	84	5	05	29.96	30.03
22	OVC	010			7.00		73	68	70	84	3	03	29.97	30.03
					SUNRISE: 0526	AUG 20			SUNSET: 1856					
01	OVC	012			6.00	BR	74	70	71	88	6	12	29.95	30.02
04	OVC	009			6.00	HZ	75	70	72	84	0	00	29.94	30.00
07	OVC	021			5.00	BR	75	71	72	88	5	24	29.96	30.03
10	OVC	017			6.00	HZ	81	71	74	72	6	28	29.98	30.05
13	BKN	050			6.00	HZ	87	73	77	63	6	06	29.94	30.01
16	BKN	250			9.00		89	72	77	57	8	18	29.88	29.95
19	BKN	250			9.00		86	72	76	63	8	21	29.87	29.94
22	BKN	250			6.00	HZ	82	75	77	79	10	19	29.87	29.94
					SUNRISE: 0527	AUG 21			SUNSET: 1854					
01	OVC	250			5.00	BR	80	76	77	87	8	20	29.83	29.90
04	SCT	NC			5.00	BR	78	75	76	90	6	21	29.82	29.89
07	BKN	250			4.00	HZ	80	74	76	82	0	00	29.84	29.91
10	BKN	250			10.00		87	70	75	57	12	31	29.86	29.93
13	BKN	045			9.00		91	69	76	49	5	VR	29.83	29.90
16	FEW	NC			10.00		93	62	73	36	15	34	29.79	29.86
19	FEW	NC			10.00		86	59	69	40	8	35	29.79	29.86
22	CLR	NC			10.00		79	59	67	50	8	35	29.81	29.88
					SUNRISE: 0528	AUG 22			SUNSET: 1853					
01	SCT	NC			10.00		74	61	66	64	0	00	29.82	29.88
04	FEW	NC			10.00		71	61	65	71	5	23	29.82	29.88
07	FEW	NC			10.00		76	59	66	56	7	VR	29.83	29.90
10	BKN	250			10.00		84	55	66	37	10	29	29.84	29.91
13	BKN	250			10.00		87	53	66	31	7	31	29.84	29.91
16	BKN	080			10.00		87	52	66	30	7	30	29.80	29.87
19	BKN	250			10.00		83	54	65	37	9	35	29.79	29.86
22	BKN	250			10.00		76	56	64	50	7	36	29.85	29.92
					SUNRISE: 0529	AUG 23			SUNSET: 1851					
01	SCT	NC			10.00		74	54	62	50	13	02	29.90	29.97
04	SCT	NC			10.00		70	54	61	57	10	01	29.90	29.97
07	BKN	110			10.00		70	55	61	59	8	04	29.94	30.00
10	BKN	250			10.00		78	57	65	48	7	07	29.96	30.02
13	BKN	250			10.00		83	53	65	36	3	VR	29.93	30.00
16	BKN	080			10.00		81	60	68	49	6	11	29.91	29.98
19	BKN	200			10.00		77	58	65	52	8	13	29.92	29.99
22	BKN	200			10.00		75	57	64	54	5	06	29.96	30.03
					SUNRISE: 0530	AUG 24			SUNSET: 1850					
01	BKN	095			10.00		73	60	65	64	6	04	29.98	30.04
04	BKN	065			10.00		71	56	62	59	7	03	29.98	30.05
07	SCT	NC			10.00		70	55	61	59	12	02	30.02	30.09
10	SCT	NC			10.00		77	57	65	50	8	05	30.06	30.13
13	BKN	250			10.00		83	55	66	38	7	35	30.05	30.11
16	SCT	NC			10.00		80	54	64	41	6	03	30.04	30.11
19	FEW	NC			10.00		77	53	63	44	14	04	30.09	30.16
22	FEW	NC			10.00		73	54	62	51	0	00	30.14	30.21

OBSERVATIONS AT 3-HOURLY INTERVALS

WASHINGTON DC, DC

AUGUST 2005 DCA WBAN # 13743

HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE OBSERVATION TIME (LST)	SATELLITE EFF CLD AMT Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH)	DIRECTION TENS OF DEG	PRESSURE (INCHES,HG) STATION	SEA LEVEL
SUNRISE: 0531 AUG 25 SUNSET: 1849														
01	CLR	NC			10.00		66	55	60	68	6	01	30.15	30.22
04	CLR	NC			10.00		65	55	59	70	0	00	30.16	30.23
07	FEW	NC			10.00		67	58	62	73	5	36	30.19	30.26
10	SCT	NC			10.00		78	51	62	39	6	05	30.20	30.27
13	BKN	250			10.00		82	49	63	32	3	VR	30.17	30.24
16	BKN	250			10.00		83	50	64	32	3	21	30.12	30.19
19	OVC	250			10.00		76	54	63	47	9	16	30.11	30.18
22	OVC	250			10.00		72	55	62	55	6	19	30.12	30.19
SUNRISE: 0532 AUG 26 SUNSET: 1847														
01	SCT	NC			10.00		71	56	62	59	0	00	30.11	30.18
04	BKN	250			10.00		68	58	62	70	5	24	30.10	30.16
07	OVC	250			10.00		69	57	62	66	5	22	30.10	30.16
10	OVC	130			10.00		77	59	66	54	7	18	30.07	30.14
13	OVC	150			10.00		79	58	66	49	10	19	30.04	30.10
16	OVC	150			10.00		77	57	65	50	9	23	30.02	30.08
19	BKN	150			10.00		74	62	67	67	9	16	29.99	30.06
22	BKN	150			10.00		71	59	64	66	7	17	29.99	30.06
SUNRISE: 0533 AUG 27 SUNSET: 1846														
01	OVC	140			10.00		72	60	65	66	3	13	29.96	30.03
04	OVC	110			10.00	-RA	70	63	66	79	6	23	29.94	30.01
07	BKN	070			10.00	-RA	69	62	65	78	10	27	29.97	30.03
10	OVC	075			10.00	-RA	67	60	63	79	3	17	29.98	30.05
13	OVC	060			10.00		69	55	61	61	5	19	29.95	30.01
16	OVC	065			10.00		72	64	67	76	6	17	29.91	29.98
19	OVC	110			7.00	-RA	72	68	69	87	3	14	29.89	29.96
22	OVC	055			10.00		73	69	70	87	7	16	29.89	29.96
SUNRISE: 0534 AUG 28 SUNSET: 1844														
01	OVC	013			4.00	-RA BR	72	69	70	91	10	25	29.88	29.95
04	OVC	024			10.00		72	69	70	91	8	22	29.85	29.92
07	BKN	023			10.00		73	70	71	90	6	21	29.89	29.96
10	BKN	025			10.00		79	71	74	77	8	21	29.91	29.98
13	BKN	035			8.00		82	70	74	67	5	12	29.89	29.96
16	SCT	NC			6.00	HZ	86	68	74	55	3	15	29.86	29.93
19	BKN	046			7.00		81	71	74	72	7	15	29.87	29.93
22	SCT	NC			10.00		76	71	73	85	5	19	29.91	29.98
SUNRISE: 0534 AUG 29 SUNSET: 1843														
01	SCT	NC			10.00		74	70	71	88	3	21	29.91	29.98
04	SCT	NC			9.00		72	69	70	91	6	15	29.90	29.97
07	BKN	250			9.00		74	70	71	88	3	12	29.93	29.99
10	OVC	250			10.00		79	70	73	74	8	20	29.94	30.00
13	OVC	250			10.00		84	69	74	61	6	19	29.91	29.98
16	BKN	038			10.00		85	69	74	59	13	16	29.86	29.93
19	BKN	200			10.00		81	67	72	62	5	16	29.87	29.94
22	SCT	NC			10.00		78	67	71	69	9	19	29.87	29.94
SUNRISE: 0535 AUG 30 SUNSET: 1841														
01	BKN	250			10.00		76	71	73	85	7	18	29.86	29.93
04	OVC	130			10.00		75	71	72	88	3	18	29.83	29.89
07	OVC	006			9.00		76	73	74	91	7	19	29.85	29.92
10	OVC	075			10.00		80	74	76	82	9	18	29.83	29.90
13	OVC	230			10.00		84	72	76	67	8	19	29.79	29.86
16	BKN	035			10.00		84	74	77	72	13	15	29.72	29.79
19	BKN	150			10.00		81	74	76	79	12	14	29.68	29.75
22	BKN	070			10.00		80	74	76	82	12	16	29.65	29.71

HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE OBSERVATION TIME (LST)	SATELLITE EFF CLD AMT Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH)	DIRECTION TENS OF DEG	PRESSURE (INCHES,HG) STATION	SEA LEVEL
SUNRISE: 0536 AUG 31 SUNSET: 1840														
01	BKN	022			10.00		81	74	76	79	18	18	29.57	29.64
04	BKN	035			10.00		81	74	76	79	20	21	29.52	29.59
07	OVC	028			10.00		80	72	75	76	15	20	29.52	29.59
10	BKN	120			10.00		86	70	75	59	24	21	29.50	29.57
13	OVC	055			10.00		86	67	73	53	13	24	29.50	29.57
16	OVC	065			10.00		85	67	73	55	14	25	29.51	29.58
19	SCT	NC			10.00		80	61	68	52	15	32	29.62	29.69
22	CLR	NC			10.00		76	62	67	62	5	VR	29.72	29.79

3-HOURLY OBSERVATION NOTES

Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8–2/8, SCT = 3/8–4/8, BKN = 5/8–7/8, OVC = 8/8, VV = Vertical Visibilty = 8/8.
Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.
NC= No ceiling detected.
& = Original observation contained additional weather elements.
See page 3 for additional notes.

SUMMARY BY HOUR

HOUR (LST)	AVERAGES CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES,HG) STATION	SEA LEVEL	VISIBILITY (MILES)	WIND SPEED (MPH)	RESULTANT WIND (MPH) SPEED	DIRECTION
01			76	67	71	75	29.95	30.02	8.13	6	2	21
02			76	68	70	77	29.94	30.01	8.19	6	2	22
03			75	67	70	78	29.94	30.01	7.87	6	2	23
04			74	67	70	80	29.94	30.01	7.71	6	2	22
05			74	67	70	81	29.95	30.01	7.74	6	1	25
06			74	67	70	80	29.96	30.03	6.98	5	1	24
07			75	67	70	76	29.97	30.03	7.24	6	1	24
08			77	67	71	72	29.97	30.04	7.44	6	1	21
09			80	67	71	67	29.98	30.04	7.98	7	1	27
10			82	67	72	62	29.97	30.04	8.35	7	1	21
11			83	66	72	57	29.97	30.04	8.65	7	3	20
12			85	65	72	54	29.96	30.03	8.58	7	2	19
13			85	65	72	53	29.95	30.02	8.65	5	2	20
14			86	64	72	50	29.93	30.00	8.74	7	1	20
15			86	65	72	51	29.92	29.99	8.48	7	1	17
16			86	65	72	52	29.91	29.98	8.61	8	2	18
17			85	66	72	54	29.91	29.98	8.71	9	2	15
18			83	66	72	56	29.91	29.98	8.35	10	2	17
19			82	66	71	61	29.92	29.99	8.16	8	2	14
20			80	66	71	64	29.93	30.00	8.55	8	2	14
21			79	67	71	66	29.94	30.01	8.65	7	3	15
22			78	67	71	69	29.94	30.01	8.55	7	3	18
23			77	67	71	72	29.94	30.01	8.48	7	3	20
24			76	67	71	74	29.94	30.01	8.39	7	3	20

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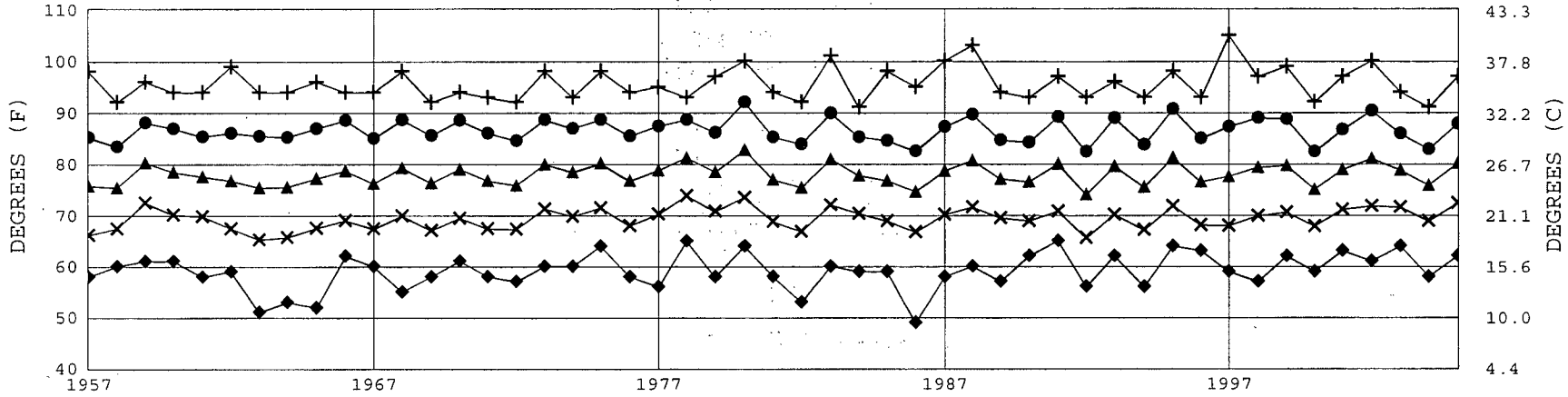
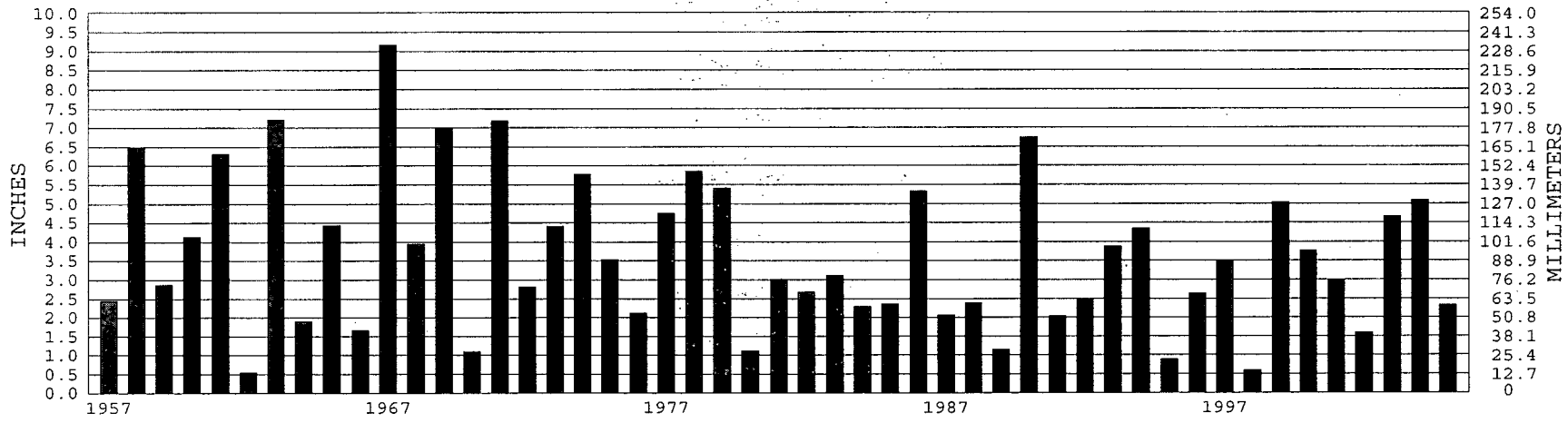
WASHINGTON DC, DC AUGUST TEMPERATURES



+ Extreme Max. ● Mean Max. ▲ Mean × Mean Min. ◆ Extreme Min.

Long-Term (1957-2005) Mean: 78.0 1971-2000 Normal: 77.4

WASHINGTON DC, DC AUGUST PRECIPITATION



Long-Term (1957-2005) Mean Monthly Total: 3.65 1971-2000 Normal: 3.44

AUGUST 2005

WASHINGTON DC, DC

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

I certify that this is an official publication of the National Oceanic and Atmospheric Administration (NOAA). It is compiled using information from weather observing sites operated by NOAA—National Weather Service / Department Of Transportation—Federal Aviation Administration and received at the National Climatic Data Center (NCDC), Asheville, North Carolina 28801.

Thomas R Karl

DIRECTOR

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SEPTEMBER 2005
LOCAL CLIMATOLOGICAL DATA
NOAA, National Climatic Data Center

WASHINGTON DC, DC
RONALD REAGAN WASH NTL APT (DCA)

Lat: 38°51' N Long: 77°02' W Elev (Ground): 10 Feet

Time Zone: EASTERN WBAN: 13743 ISSN #:0198–1188

DATE	TEMPERATURE °F MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	DEG DAYS BASE 65° HEATING	COOLING	WEATHER	SNOW/ICE ON GND(IN) 0700 LST DEPTH	1300 LST WATER EQUIV	PRECIPITATION (INCHES) 2400 LST SNOW-FALL	2400 LST WATER EQUIV	PRESSURE (INCHES OF HG) AVERAGE STATION	AVERAGE SEA LEVEL	WIND SPEED = MPH DIR = TENS OF DEGREES RESULTANT SPEED	RES DIR	AVERAGE SPEED	MAXIMUM 5-SEC SPEED	DIR	MAXIMUM 2-MIN SPEED	DIR	DATE
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
01	87	70	79	4	59	66	0	14	HZ	0		0.0	0.00	29.84	29.91	6.5	32	7.9	21	32	18	31	01
02	90	67	79	5	58	67	0	14		0		0.0	0.00	29.91	29.98	5.0	28	6.6	21	26	16	27	02
03	84	67	76	2	53	62	0	11		0		0.0	0.00	30.00	30.07	8.2	34	8.7	21	34	17	35	03
04	85	63	74	0	53	62	0	9		0		0.0	0.00	30.12	30.19	8.4	01	8.9	20	03	16	02	04
05	84	65	75	1	56	63	0	10		0		0.0	0.00	30.28	30.35	7.4	07	8.9	21	11	17	08	05
06	81	64	73	0	57	63	0	8		0		0.0	0.00	30.32	30.39	7.7	07	8.6	20	06	16	06	06
07	83	60	72	-1	55	62	0	7		0		0.0	0.00	30.21	30.28	2.8	05	4.8	14	12	12	10	07
08	85	60	73	0	54	62	0	8		0		0.0	0.00	30.03	30.10	2.9	19	4.0	12	19	10	20	08
09	86	63	75	2	59	65	0	10	HZ	0		0.0	0.00	30.00	30.07	2.5	35	4.9	16	01	13	13	09
10	85	67	76	4	60	66	0	11	BR HZ	0		0.0	0.00	30.11	30.18	2.5	09	4.9	15	13	13	14	10
11	84	63	74	2	57	63	0	9		0		0.0	0.00	30.21	30.27	2.3	16	5.9	15	20	13	19	11
12	86	62	74	2	57	64	0	9		0		0.0	0.00	30.08	30.15	4.7	20	5.7	14	19	10	18	12
13	90	63	77	5	58	65	0	12		0		0.0	0.00	29.96	30.03	5.1	18	6.0	17	14	15	15	13
14	88	74	81	10	70	73	0	16	RA	0		0.0	T	29.91	29.98	4.1	15	5.8	16	16	14	14	14
15	90	75	83	12	70	73	0	18	RA	0		0.0	0.01	29.93	30.00	4.7	07	6.2	15	08	13	08	15
16	90	75	83*	12	69	73	0	18	RA BR HZ	0		0.0	T	29.91	29.98	3.2	08	5.6	14	29	12	30	16
17	90	71	81	10	64	70	0	16	TS TSRA RA	0		0.0	T	29.86	29.93	3.0	32	7.4	28	23	21	23	17
18	86	68	77	7	58	65	0	12	HZ	0		0.0	0.00	29.99	30.06	5.8	33	6.9	20	33	16	32	18
19	88	67	78	8	60	66	0	13	HZ	0		0.0	0.00	30.12	30.19	2.5	20	6.7	17	21	15	21	19
20	90	71	81	12	63	69	0	16	HZ	0		0.0	0.00	30.02	30.09	5.1	25	9.9	25	31	22	32	20
21	85	66	76	7	52	62	0	11		0		0.0	0.00	30.08	30.15	2.3	35	6.3	16	01	14	36	21
22	88	62	75	7	60	66	0	10		0		0.0	0.00	30.00	30.06	8.0	20	8.4	23	20	18	22	22
23	93*	70	82	14	63	69	0	17	HZ	0		0.0	0.00	29.95	30.02	2.5	34	8.4	22	03	20	02	23
24	74	68	71	3	57	63	0	6	RA	0		0.0	T	30.19	30.26	8.7	06	10.4	22	04	18	04	24
25	78	67	73	5	61	65	0	8		0		0.0	0.00	30.15	30.22	7.0	17	8.2	16	19	14	18	25
26	84	69	77	10	65	69	0	12	RA BR	0		0.0	0.09	29.82	29.89	13.8	22	14.4	30	23	23	23	26
27	80	60	70	4	49	59	0	5		0		0.0	0.00	29.94	30.01	8.5	36	10.0	23	34	17	01	27
28	80	55	68	2	49	58	0	3		0		0.0	0.00	30.05	30.12	4.3	17	8.4	20	18	18	17	28
29	77	56	67	1	49	58	0	2	RA	0		0.0	0.01	29.89	29.96	7.2	30	16.4	30*	36	26*	34	29
30	70	50*	60*	-6	38	49	5	0		0		0.0	0.00	30.13	30.20	2.0	10	6.2	15	03	13	03	30
	84.7	65.3	75.0		57.8	64.6	0.2	10.5	< MONTHLY AVERAGES	TOTALS–>		0.0	0.11	30.03	30.10	0.3	35	7.7	<– MONTHLY AVERAGES				
	5.4	3.5	4.5		<–––––––––––DEPARTURE FROM NORMAL––––––––––––>								-3.68	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									

DEGREE DAYS

	MONTHLY TOTAL	MONTHLY DEPARTURE	SEASON TO DATE TOTAL	SEASON TO DATE DEPARTURE
HEATING:	5	-14	5	-21
COOLING:	315	115	1658	159

GREATEST 24–HR PRECIPITATION: 0.09 DATE :26
GREATEST 24–HR SNOWFALL: 0.0 DATE :
GREATEST SNOW DEPTH: 0 DATE :

SEA LEVEL PRESSURE		DATE	TIME
MAXIMUM	30.45	06	0851
MINIMUM	29.76	26	1651

NUMBER OF DAYS WITH →

MAXIMUM TEMP ≥ 90:	7	MINIMUM TEMP ≤ 32 :	0
MAXIMUM TEMP ≤ 32 :	0	MINIMUM TEMP ≤ 0 :	0
THUNDERSTORMS :	1	HEAVY FOG :	0
PRECIPITATION ≥ 0.01 INCH :	3		
PRECIPITATION ≥ 0.10 INCH :	0		
SNOWFALL ≥ 1.0 INCH :	0		

SEPTEMBER 2005
WASHINGTON DC, DC

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

WASHINGTON DC, DC

SEPTEMBER 2005 DCA WBAN # 13743

DATE	FOR HOUR (LST) ENDING AT												DATE	FOR HOUR (LST) ENDING AT												DATE	Sum if Different (See Note)	2400 LST Water Equiv.
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24			
01													01													01		0.00
02													02													02		0.00
03													03													03		0.00
04													04													04		0.00
05													05													05		0.00
06													06													06		0.00
07													07													07		0.00
08													08													08		0.00
09													09													09		0.00
10													10													10		0.00
11													11													11		0.00
12													12													12		0.00
13													13													13		0.00
14						T			T	T			14													14		T
15					0.01								15													15		0.01
16													16					T			T	T				16		T
17													17						T							17		T
18													18													18		0.00
19													19													19		0.00
20													20													20		0.00
21													21													21		0.00
22													22													22		0.00
23													23													23		0.00
24								T			T	T	24	T	T											24		T
25													25													25		0.00
26													26		T		T	T	0.06	0.03	T					26		0.09
27													27													27		0.00
28													28													28		0.00
29									T	T	T	0.01	29													29		0.01
30													30													30		0.00

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.03	.03	.03	.04	.06	.06	.08	.09	.09	.09	.09	.09
Ending Date	26	26	26	26	26	26	26	26	26	26	26	26
Ending Time (Hour/Min)	1716	1716	1816	1733	1743	1743	1813	1816	1816	1816	1816	1816

Date and time are not entered for TRACE amounts.

Note : The sum of the hourly totals is given when it differs from the daily total. NWS does not edit ASOS hourly values but may edit daily and monthly totals. Hourly, daily, and monthly totals are printed as reported by the ASOS site.

REFERENCE NOTES & SUPPLEMENTAL SUMMARIES

* = Extreme for the month (last occurence if more than one)
T = Trace precipitation amount
+ = also occurs on earlier date
FG+ = Heavy fog, visibility .25 miles or less
BLANK entries denote missing or unreported data

Resultant wind is the vector sum of the wind speeds and directions divided by the number of observations.

Wind direction is recorded in tens of degrees (2 digits) clockwise from true north. '00' = calm, 'VR' = variable.

Precipitation is for the 24-hour period ending at the time indicated in the column heading.

Water Equivalent of snow on the ground is reported only when the depth is 2 or more inches.

NORMALS ARE FOR THE YEARS 1971-2000

WEATHER NOTATIONS

QUALIFIER	WEATHER PHENOMENA		
DESCRIPTOR	PRECIPITATION	OBSCURATION	OTHER
BC Patches	DZ Drizzle	BR Mist	DS Duststorm
BL Blowing	GR Hail	DU Widespread Dust	FC Funnel Cloud
DR Low Drifting	GS Small Hail and/or Snow Pellets	FG Fog	+FC Tornado Waterspout
FZ Freezing	IC Ice Crystals	FU Smoke	PO Well-Developed Dust/Sand Whirls
MI Shallow	PL Ice Pellets	HZ Haze	SQ Squalls
PR Partial	RA Rain	PY Spray	SS Sandstorm
SH Shower(s)	SG Snow Grains	SA Sand	GL Glaze
TS Thunderstorm	SN Snow	VA Volcanic Ash	
VC In the Vicinity	UP Unknown Precipitation		

Intensity (as indicated on pages 4 to 6):
'+' = Heavy ' ' = Moderate '-' = Light

WASHINGTON DC, DC
SEPTEMBER 2005

Ceilometer (30-second) data are used to derive cloudiness at or below 12,000 feet. This cloudiness is the mean cloud cover detected during sunrise to sunset (SR-SS), or midnight to midnight (MN-MN).

Satellite data are used to derive cloudiness above 12,000 feet. Effective Cloud Amount is based on the cloud cover and the transparency of the clouds within the satellite field of view (approx. 31x31 miles).

Sky Condition is based on the sum (not to exceed 8) of the sunrise to sunset cloud cover below and above 12,000 feet. Both ceilometer and satellite data must be present to compute Sky Condition. Clear = 0-2 oktas, Partly Cloudy = 3-6 oktas, Cloudy = 7-8 oktas.

A Heating (Cooling) Degree Day is the difference between the average daily temperature and 65 degrees F. The HDD season begins July 1, the CDD season begins January 1.

Dew Point is the temperature to which the air must be cooled to achieve 100% relative humidity.
Wet Bulb is the temperature the air would have if cooled to saturation at constant pressure by evaporation of water into it.

Snow Depth, Snowfall, and Sunshine data may come from nearby sites that the National Weather Service deems Climatologically representative of this site.

ADDITIONAL NOTES:

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
			SR-SS		MN-MN				
	TOTAL MINUTES	PERCENT POSSIBLE	CEILOMETER	SATELLITE	CEILOMETER	SATELLITE	MINIMUM	MAXIMUM	
01							6.00	10.00	
02							8.00	10.00	
03							10.00	10.00	
04							10.00	10.00	
05							10.00	10.00	
06							9.00	10.00	
07							10.00	10.00	
08							10.00	10.00	
09							4.00	10.00	
10							1.25	10.00	
11							8.00	10.00	
12							10.00	10.00	
13							10.00	10.00	
14							8.00	10.00	
15							8.00	10.00	
16							4.00	10.00	
17							9.00	10.00	
18							6.00	10.00	
19							5.00	10.00	
20							3.00	10.00	
21							7.00	10.00	
22							7.00	10.00	
23							4.00	10.00	
24							10.00	10.00	
25							10.00	10.00	
26							2.50	10.00	
27							10.00	10.00	
28							10.00	10.00	
29							8.00	10.00	
30							10.00	10.00	
MONTHLY AVGS							7.59	10.00	

SUNSHINE (MINUTES)

Total: Possible:
Percent Possible:

NUMBER OF DAYS WITH:

SKY CONDITION

CLR	PTLY CLDY	CLOUDY	MISSING
			30

MINIMUM VISIBILITY (MILES)

<=0.25	<=3.0	>=7.0
0	3	21

OBSERVATIONS AT 3-HOURLY INTERVALS

WASHINGTON DC, DC

SEPTEMBER 2005 DCA WBAN # 13743

HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE OBSERVATION TIME (LST)	SATELLITE EFF CLD AMT Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH)	DIRECTION TENS OF DEG	PRESSURE (INCHES,HG) STATION	SEA LEVEL
SUNRISE: 0537						SEP 01			SUNSET: 1838					
01	CLR	NC			10.00		72	62	66	71	7	27	29.76	29.83
04	CLR	NC			10.00		71	62	65	73	8	31	29.77	29.84
07	CLR	NC			6.00	HZ	72	63	66	73	3	27	29.83	29.90
10	CLR	NC			10.00		80	58	66	47	13	34	29.88	29.95
13	FEW	NC			10.00		84	52	65	33	13	30	29.86	29.93
16	SCT	NC			10.00		85	55	67	36	10	34	29.84	29.91
19	FEW	NC			10.00		80	56	65	44	5	31	29.85	29.92
22	CLR	NC			10.00		76	59	66	56	5	22	29.89	29.96
SUNRISE: 0538						SEP 02			SUNSET: 1837					
01	CLR	NC			9.00		72	59	64	64	0	00	29.90	29.97
04	CLR	NC			10.00		69	58	62	68	6	26	29.91	29.98
07	CLR	NC			9.00		72	61	65	69	0	00	29.94	30.01
10	CLR	NC			10.00		83	58	67	43	3	VR	29.95	30.02
13	FEW	NC			10.00		88	58	69	36	8	32	29.91	29.98
16	FEW	NC			10.00		88	58	69	36	7	26	29.85	29.92
19	BKN	080			10.00		85	61	70	45	9	25	29.85	29.92
22	FEW	NC			10.00		79	55	65	44	10	33	29.91	29.98
SUNRISE: 0539						SEP 03			SUNSET: 1835					
01	CLR	NC			10.00		74	53	62	48	9	32	29.94	30.01
04	CLR	NC			10.00		69	54	60	59	9	34	29.98	30.04
07	CLR	NC			10.00		71	53	61	53	6	34	30.02	30.09
10	FEW	NC			10.00		79	53	64	41	6	04	30.03	30.10
13	SCT	NC			10.00		83	51	64	33	16	31	30.00	30.07
16	BKN	250			10.00		81	52	64	37	16	34	29.98	30.05
19	BKN	250			10.00		77	53	63	44	7	35	29.99	30.06
22	CLR	NC			10.00		71	53	61	53	6	35	30.03	30.10
SUNRISE: 0540						SEP 04			SUNSET: 1833					
01	BKN	085			10.00		68	54	60	61	3	01	30.05	30.12
04	FEW	NC			10.00		64	54	58	70	9	34	30.06	30.13
07	FEW	NC			10.00		66	55	60	68	9	34	30.11	30.18
10	FEW	NC			10.00		78	55	64	45	8	02	30.14	30.21
13	BKN	075			10.00		85	51	65	31	10	36	30.12	30.19
16	SCT	NC			10.00		84	50	64	31	13	34	30.11	30.18
19	SCT	NC			10.00		78	49	61	36	13	02	30.14	30.21
22	CLR	NC			10.00		71	53	61	53	7	04	30.18	30.25
SUNRISE: 0541						SEP 05			SUNSET: 1832					
01	CLR	NC			10.00		68	55	61	63	6	01	30.20	30.27
04	FEW	NC			10.00		67	55	60	66	12	04	30.23	30.29
07	FEW	NC			10.00		67	55	60	66	8	02	30.28	30.35
10	FEW	NC			10.00		77	59	66	54	7	03	30.31	30.37
13	BKN	055			10.00		83	52	65	34	12	09	30.29	30.36
16	SCT	NC			10.00		82	55	66	40	12	10	30.27	30.34
19	FEW	NC			10.00		77	57	65	50	7	09	30.28	30.35
22	CLR	NC			10.00		73	56	63	55	9	11	30.33	30.40
SUNRISE: 0542						SEP 06			SUNSET: 1830					
01	CLR	NC			10.00		67	60	63	79	3	06	30.33	30.40
04	FEW	NC			10.00		65	60	62	84	9	05	30.33	30.39
07	CLR	NC			9.00		66	61	63	84	8	04	30.36	30.42
10	BKN	040			10.00		75	59	65	58	13	06	30.38	30.45
13	SCT	NC			10.00		79	54	64	42	9	05	30.33	30.40
16	SCT	NC			10.00		80	54	65	41	8	07	30.29	30.36
19	FEW	NC			10.00		75	55	63	50	7	13	30.28	30.35
22	CLR	NC			10.00		70	57	62	64	10	13	30.30	30.37

HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE OBSERVATION TIME (LST)	SATELLITE EFF CLD AMT Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH)	DIRECTION TENS OF DEG	PRESSURE (INCHES,HG) STATION	SEA LEVEL
SUNRISE: 0542						SEP 07			SUNSET: 1829					
01	CLR	NC			10.00		66	57	61	73	5	09	30.29	30.36
04	CLR	NC			10.00		62	57	59	84	5	02	30.26	30.32
07	SCT	NC			10.00		64	58	60	81	6	VR	30.28	30.34
10	SCT	NC			10.00		73	57	63	57	6	03	30.28	30.35
13	FEW	NC			10.00		80	50	63	35	9	05	30.23	30.29
16	FEW	NC			10.00		80	49	62	34	3	VR	30.16	30.23
19	CLR	NC			10.00		75	55	63	50	7	11	30.13	30.20
22	CLR	NC			10.00		69	56	61	63	5	24	30.13	30.19
SUNRISE: 0543						SEP 08			SUNSET: 1827					
01	CLR	NC			10.00		64	57	60	78	0	00	30.11	30.18
04	CLR	NC			10.00		62	56	59	81	0	00	30.09	30.16
07	FEW	NC			10.00		64	57	60	78	0	00	30.10	30.17
10	CLR	NC			10.00		76	52	62	43	0	00	30.09	30.16
13	FEW	NC			10.00		82	49	63	32	8	17	30.03	30.09
16	FEW	NC			10.00		84	45	62	25	3	09	29.96	30.03
19	FEW	NC			10.00		77	50	62	39	6	22	29.96	30.02
22	CLR	NC			10.00		70	58	63	66	8	21	29.98	30.04
SUNRISE: 0544						SEP 09			SUNSET: 1826					
01	CLR	NC			10.00		69	57	62	66	5	19	29.98	30.04
04	CLR	NC			10.00		66	57	61	73	0	00	29.97	30.04
07	BKN	250			10.00		68	56	61	66	7	33	30.00	30.07
10	OVC	250			10.00		79	57	66	47	6	34	30.02	30.09
13	BKN	250			8.00		85	58	68	40	9	31	30.00	30.07
16	FEW	NC			7.00		85	58	68	40	8	01	29.98	30.04
19	FEW	NC			6.00	HZ	78	62	68	58	9	14	30.01	30.07
22	CLR	NC			6.00	HZ	76	63	68	64	0	00	30.04	30.11
SUNRISE: 0545						SEP 10			SUNSET: 1824					
01	CLR	NC			4.00	HZ	71	64	67	79	7	04	30.06	30.13
04	FEW	NC			3.00	HZ	69	64	66	84	6	07	30.07	30.14
07	BKN	075			1.25	BR	69	65	66	87	6	05	30.13	30.20
10	SCT	NC			5.00	HZ	77	65	69	66	5	VR	30.15	30.22
13	BKN	046			9.00		81	59	67	47	3	07	30.11	30.18
16	BKN	070			10.00		83	54	65	37	3	VR	30.08	30.15
19	FEW	NC			10.00		78	56	65	47	0	00	30.11	30.18
22	CLR	NC			10.00		72	57	63	60	6	17	30.14	30.21
SUNRISE: 0546						SEP 11			SUNSET: 1822					
01	CLR	NC			10.00		69	57	62	66	3	30	30.16	30.23
04	FEW	NC			10.00		67	57	61	71	0	00	30.18	30.25
07	FEW	NC			9.00		64	56	59	75	6	03	30.24	30.30
10	FEW	NC			10.00		76	58	65	54	5	VR	30.26	30.33
13	SCT	NC			10.00		81	55	65	41	3	VR	30.23	30.29
16	FEW	NC			10.00		82	53	65	37	10	14	30.18	30.25
19	FEW	NC			10.00		75	57	64	54	7	15	30.18	30.25
22	CLR	NC			10.00		71	59	64	66	10	19	30.20	30.26
SUNRISE: 0547						SEP 12			SUNSET: 1821					
01	CLR	NC			10.00		67	58	62	73	3	24	30.19	30.26
04	CLR	NC			10.00		63	58	60	84	3	23	30.17	30.24
07	FEW	NC			10.00		65	58	61	78	3	23	30.18	30.25
10	CLR	NC			10.00		78	57	65	48	3	VR	30.14	30.21
13	CLR	NC			10.00		82	56	66	41	5	10	30.06	30.13
16	CLR	NC			10.00		86	52	66	31	10	18	30.00	30.07
19	CLR	NC			10.00		78	53	63	42	8	22	30.00	30.07
22	CLR	NC			10.00		71	60	64	68	6	21	30.00	30.07

OBSERVATIONS AT 3-HOURLY INTERVALS

WASHINGTON DC, DC

SEPTEMBER 2005 DCA WBAN # 13743

HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE: OBSERVATION TIME (LST)	SATELLITE: EFF CLD AMT Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F: DRY BULB	TEMPERATURE °F: DEW POINT	TEMPERATURE °F: WET BULB	RELATIVE HUMIDITY (PCT)	WIND: SPEED (MPH)	WIND: DIRECTION TENS OF DEG	PRESSURE (INCHES,HG): STATION	PRESSURE (INCHES,HG): SEA LEVEL
SUNRISE: 0548						SEP 13			SUNSET: 1819					
01	FEW	NC			10.00		67	59	62	76	5	23	29.99	30.05
04	CLR	NC			10.00		66	58	61	75	0	00	29.98	30.04
07	FEW	NC			10.00		66	59	62	78	3	22	30.00	30.07
10	FEW	NC			10.00		78	59	66	52	5	14	30.00	30.06
13	SCT	NC			10.00		85	49	64	29	8	17	29.96	30.03
16	SCT	NC			10.00		90	50	66	25	7	19	29.92	29.98
19	CLR	NC			10.00		79	62	68	56	7	16	29.93	30.00
22	SCT	NC			10.00		76	68	71	77	10	19	29.93	30.00
SUNRISE: 0549						SEP 14			SUNSET: 1818					
01	OVC	012			10.00		75	71	72	88	13	20	29.93	30.00
04	OVC	020			10.00		75	70	72	84	0	00	29.93	30.00
07	OVC	010			8.00		75	71	72	88	0	00	29.95	30.01
10	OVC	250			10.00		82	71	75	69	6	10	29.94	30.01
13	OVC	045			10.00		86	68	74	55	9	20	29.88	29.95
16	OVC	250			10.00		86	67	73	53	8	14	29.85	29.92
19	OVC	250			10.00		80	70	73	71	8	15	29.87	29.94
22	BKN	250			10.00		77	72	74	85	3	08	29.92	29.98
SUNRISE: 0550						SEP 15			SUNSET: 1816					
01	OVC	110			10.00		76	72	73	88	5	10	29.91	29.98
04	OVC	013			10.00		76	72	73	88	8	02	29.91	29.97
07	OVC	140			10.00		77	72	74	85	8	04	29.95	30.02
10	BKN	032			10.00		84	71	75	65	8	06	29.96	30.03
13	BKN	040			10.00		86	69	74	57	7	10	29.93	30.00
16	BKN	250			10.00		89	62	71	41	6	11	29.90	29.97
19	SCT	NC			10.00		84	67	73	57	8	13	29.93	30.00
22	CLR	NC			10.00		79	70	73	74	3	14	29.96	30.03
SUNRISE: 0551						SEP 16			SUNSET: 1814					
01	BKN	090			10.00		77	71	73	82	3	13	29.96	30.03
04	OVC	009			7.00		75	72	73	90	10	06	29.95	30.02
07	OVC	018			4.00	HZ	76	71	73	85	6	02	29.97	30.04
10	SCT	NC			10.00		81	68	72	65	8	08	29.97	30.04
13	SCT	NC			10.00		88	65	73	46	5	06	29.91	29.98
16	SCT	NC			10.00		87	66	73	50	6	09	29.85	29.92
19	BKN	090			10.00		83	68	73	61	5	13	29.85	29.92
22	BKN	150			8.00		77	69	72	77	8	26	29.86	29.93
SUNRISE: 0551						SEP 17			SUNSET: 1813					
01	OVC	150			10.00		76	66	70	72	7	24	29.85	29.92
04	SCT	NC			10.00		74	64	68	71	6	22	29.85	29.92
07	BKN	250			10.00		73	65	68	76	3	23	29.87	29.93
10	SCT	NC			10.00		84	65	71	53	13	34	29.88	29.95
13	BKN	050			10.00		89	63	72	42	10	33	29.86	29.93
16	BKN	065			10.00		86	62	70	45	10	02	29.83	29.90
19	BKN	095			10.00		75	67	70	76	5	20	29.85	29.92
22	BKN	090			10.00		79	61	68	54	9	34	29.90	29.97
SUNRISE: 0552						SEP 18			SUNSET: 1811					
01	BKN	110			9.00		75	61	66	62	9	36	29.93	29.99
04	BKN	110			8.00		71	61	65	71	6	34	29.94	30.01
07	SCT	NC			6.00	HZ	71	61	65	71	5	34	29.98	30.05
10	FEW	NC			9.00		79	59	67	50	9	33	30.00	30.07
13	BKN	055			10.00		84	55	66	37	8	31	29.98	30.04
16	SCT	NC			10.00		83	54	65	37	13	35	29.98	30.04
19	CLR	NC			10.00		78	54	64	43	7	33	30.01	30.08
22	CLR	NC			8.00		74	58	64	57	5	24	30.05	30.12
SUNRISE: 0553						SEP 19			SUNSET: 1810					
01	CLR	NC			6.00	HZ	69	60	64	73	6	35	30.08	30.15
04	CLR	NC			6.00	HZ	67	60	63	79	7	01	30.10	30.17
07	CLR	NC			5.00	HZ	69	59	63	70	7	35	30.15	30.22
10	FEW	NC			10.00		81	57	66	44	0	00	30.17	30.24
13	SCT	NC			10.00		85	56	67	37	6	17	30.15	30.22
16	FEW	NC			10.00		86	57	68	37	12	18	30.10	30.16
19	FEW	NC			9.00		79	62	68	56	6	18	30.08	30.15
22	SCT	NC			7.00		75	65	69	71	8	20	30.11	30.17
SUNRISE: 0554						SEP 20			SUNSET: 1808					
01	SCT	NC			7.00		73	64	67	74	9	21	30.08	30.15
04	FEW	NC			6.00	HZ	72	65	68	79	14	21	30.03	30.09
07	OVC	012			4.00	HZ	73	67	69	81	7	22	30.04	30.11
10	BKN	250			4.00	HZ	81	69	73	67	10	18	30.02	30.09
13	BKN	050			7.00		89	64	72	43	10	33	29.99	30.06
16	BKN	200			10.00		85	61	70	45	8	31	29.97	30.04
19	BKN	200			10.00		81	59	67	47	8	31	30.01	30.08
22	CLR	NC			10.00		75	60	66	60	6	34	30.03	30.09
SUNRISE: 0555						SEP 21			SUNSET: 1806					
01	FEW	NC			10.00		70	60	64	71	6	35	30.04	30.10
04	CLR	NC			8.00		69	60	64	73	8	31	30.06	30.12
07	FEW	NC			7.00		69	59	63	70	7	36	30.11	30.18
10	CLR	NC			10.00		77	49	61	37	12	03	30.13	30.19
13	FEW	NC			10.00		82	44	61	26	6	VR	30.09	30.16
16	CLR	NC			10.00		84	43	61	24	7	02	30.04	30.11
19	CLR	NC			10.00		75	50	61	42	8	16	30.06	30.12
22	CLR	NC			10.00		70	52	60	53	5	23	30.08	30.15
SUNRISE: 0556						SEP 22			SUNSET: 1805					
01	CLR	NC			10.00		67	53	59	61	5	24	30.08	30.14
04	FEW	NC			10.00		62	53	57	73	3	24	30.07	30.14
07	SCT	NC			10.00		66	58	61	75	0	00	30.07	30.14
10	CLR	NC			10.00		77	63	68	62	12	19	30.06	30.13
13	SCT	NC			10.00		84	63	70	49	13	19	29.99	30.06
16	FEW	NC			9.00		86	62	70	45	13	20	29.91	29.98
19	FEW	NC			8.00		80	66	71	62	12	19	29.90	29.96
22	CLR	NC			7.00		76	65	69	69	10	19	29.92	29.99
SUNRISE: 0557						SEP 23			SUNSET: 1803					
01	FEW	NC			9.00		74	65	68	74	8	20	29.93	30.00
04	SCT	NC			6.00	HZ	71	64	67	79	5	22	29.92	29.98
07	BKN	250			4.00	HZ	71	65	67	81	7	21	29.93	30.00
10	SCT	NC			5.00	HZ	82	67	72	60	7	17	29.93	30.00
13	SCT	NC			7.00		90	64	73	42	7	04	29.92	29.98
16	BKN	110			10.00		90	59	70	35	9	36	29.92	29.98
19	BKN	250			10.00		85	60	69	43	6	35	29.97	30.03
22	SCT	NC			10.00		78	62	68	58	16	02	30.05	30.11
SUNRISE: 0558						SEP 24			SUNSET: 1802					
01	SCT	NC			10.00		73	62	66	69	13	02	30.08	30.15
04	BKN	100			10.00		71	57	63	61	13	04	30.12	30.19
07	OVC	031			10.00		68	52	59	57	12	02	30.18	30.25
10	OVC	033			10.00		70	54	61	57	10	04	30.22	30.29
13	OVC	031			10.00		71	57	63	61	10	07	30.21	30.28
16	OVC	029			10.00		72	60	65	66	12	08	30.20	30.26
19	OVC	033			10.00		71	59	64	66	8	08	30.21	30.28
22	OVC	035			10.00		69	59	63	70	9	13	30.24	30.30

OBSERVATIONS AT 3-HOURLY INTERVALS

WASHINGTON DC, DC

SEPTEMBER 2005 DCA WBAN # 13743

HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE: OBSERVATION TIME (LST)	SATELLITE: EFF CLD AMT Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F: DRY BULB	TEMPERATURE °F: DEW POINT	TEMPERATURE °F: WET BULB	RELATIVE HUMIDITY (PCT)	WIND: SPEED (MPH)	WIND: DIRECTION TENS OF DEG	PRESSURE (INCHES,HG): STATION	PRESSURE (INCHES,HG): SEA LEVEL
SUNRISE: 0559 SEP 25 SUNSET: 1800														
01	OVC	041			10.00		68	57	62	68	6	14	30.23	30.30
04	OVC	025			10.00		67	58	62	73	3	06	30.21	30.27
07	OVC	025			10.00		68	59	63	73	6	14	30.22	30.29
10	OVC	025			10.00		70	61	65	73	6	16	30.22	30.28
13	OVC	055			10.00		76	62	67	62	9	20	30.17	30.24
16	OVC	055			10.00		77	62	68	60	6	18	30.11	30.17
19	OVC	055			10.00		75	63	67	66	10	17	30.08	30.15
22	SCT	NC			10.00		71	62	66	73	13	18	30.06	30.13
SUNRISE: 0560 SEP 26 SUNSET: 1758														
01	OVC	130			10.00		70	63	66	79	9	19	30.01	30.08
04	OVC	130			10.00		70	64	66	82	10	21	29.96	30.03
07	OVC	050			10.00		71	64	67	79	10	21	29.93	30.00
10	OVC	024			10.00		77	65	69	66	23	22	29.85	29.92
13	OVC	050			10.00		83	65	71	55	16	22	29.77	29.83
16	OVC	060			10.00		81	65	71	58	17	23	29.70	29.77
19	OVC	036			5.00	-RA BR	72	68	69	87	17	22	29.70	29.77
22	FEW	NC			6.00	BR	72	68	69	87	10	24	29.73	29.80
SUNRISE: 0600 SEP 27 SUNSET: 1757														
01	FEW	NC			10.00		71	65	67	81	10	29	29.77	29.83
04	FEW	NC			10.00		67	59	62	76	9	35	29.82	29.88
07	SCT	NC			10.00		66	50	57	56	13	34	29.92	29.98
10	FEW	NC			10.00		72	51	60	48	12	32	29.96	30.03
13	CLR	NC			10.00		78	45	60	31	13	01	29.96	30.03
16	CLR	NC			10.00		79	43	59	28	10	02	29.95	30.01
19	CLR	NC			10.00		72	42	56	34	12	03	29.99	30.06
22	CLR	NC			10.00		65	44	54	47	6	07	30.04	30.11
SUNRISE: 0601 SEP 28 SUNSET: 1755														
01	CLR	NC			10.00		60	45	52	58	6	35	30.06	30.13
04	CLR	NC			10.00		58	45	51	62	5	35	30.09	30.15
07	CLR	NC			10.00		58	44	51	60	7	03	30.11	30.18
10	CLR	NC			10.00		71	48	58	44	3	VR	30.13	30.20
13	FEW	NC			10.00		77	44	59	31	8	18	30.06	30.13
16	FEW	NC			10.00		79	50	62	36	12	20	30.00	30.07
19	FEW	NC			10.00		72	52	61	50	12	14	30.01	30.08
22	CLR	NC			10.00		67	56	61	68	9	19	29.98	30.05
SUNRISE: 0602 SEP 29 SUNSET: 1754														
01	CLR	NC			10.00		66	60	62	81	8	16	29.93	30.00
04	SCT	NC			10.00		67	61	63	81	18	21	29.86	29.92
07	OVC	130			10.00		67	61	63	81	20	20	29.80	29.87
10	OVC	025			10.00	-RA	70	58	63	66	16	28	29.86	29.93
13	SCT	NC			10.00		73	51	60	46	15	31	29.85	29.92
16	SCT	NC			10.00		75	42	57	31	17	33	29.86	29.93
19	FEW	NC			10.00		66	36	51	33	20	35	29.96	30.03
22	CLR	NC			10.00		60	35	48	39	18	36	30.02	30.09
SUNRISE: 0603 SEP 30 SUNSET: 1752														
01	CLR	NC			10.00		54	34	45	47	8	02	30.06	30.13
04	FEW	NC			10.00		54	36	46	51	5	09	30.10	30.17
07	SCT	NC			10.00		53	41	47	64	6	36	30.16	30.22
10	BKN	250			10.00		63	36	50	37	7	04	30.19	30.25
13	BKN	250			10.00		67	35	51	31	5	VR	30.15	30.21
16	FEW	NC			10.00		70	36	53	29	6	18	30.09	30.16
19	CLR	NC			10.00		63	40	51	43	10	14	30.13	30.20
22	CLR	NC			10.00		59	43	51	56	7	20	30.16	30.22

HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE: OBSERVATION TIME (LST)	SATELLITE: EFF CLD AMT Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F: DRY BULB	TEMPERATURE °F: DEW POINT	TEMPERATURE °F: WET BULB	RELATIVE HUMIDITY (PCT)	WIND: SPEED (MPH)	WIND: DIRECTION TENS OF DEG	PRESSURE (INCHES,HG): STATION	PRESSURE (INCHES,HG): SEA LEVEL
SUNRISE: SEP 31 SUNSET:														

3-HOURLY OBSERVATION NOTES

Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8, SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, VV = Vertical Visibilty = 8/8.
Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.
NC= No ceiling detected.
& = Original observation contained additional weather elements.
See page 3 for additional notes.

SUMMARY BY HOUR

HOUR (LST)	AVERAGES: CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES,HG): STATION	PRESSURE (INCHES,HG): SEA LEVEL	VISIBILITY (MILES)	WIND SPEED (MPH)	RESULTANT WIND (MPH): SPEED	RESULTANT WIND (MPH): DIRECTION
01			70	59	64	71	30.03	30.10	9.47	6	1	29
02			69	60	63	73	30.03	30.10	9.30	6	0	0
03			68	59	63	73	30.03	30.09	9.07	6	1	35
04			68	59	63	75	30.03	30.10	9.13	7	2	35
05			67	59	62	76	30.04	30.10	9.10	6	1	31
06			67	58	62	75	30.05	30.11	8.73	7	1	36
07			68	59	63	74	30.06	30.13	8.41	6	2	35
08			71	59	64	67	30.07	30.13	8.68	7	2	1
09			74	60	65	61	30.07	30.14	9.10	8	1	2
10			77	59	66	54	30.07	30.14	9.43	7	2	1
11			79	58	66	49	30.06	30.13	9.40	8	1	2
12			81	56	66	44	30.05	30.12	9.47	8	1	2
13			82	55	66	41	30.03	30.10	9.70	9	1	33
14			83	54	66	39	30.02	30.08	9.90	9	2	31
15			83	54	66	38	30.00	30.07	9.87	9	2	32
16			83	55	66	39	30.00	30.06	9.87	9	1	2
17			81	55	66	42	30.00	30.06	9.67	10	1	17
18			79	57	66	48	30.00	30.07	9.48	10	2	14
19			77	57	65	52	30.01	30.08	9.60	8	2	15
20			75	58	65	57	30.03	30.09	9.57	7	2	17
21			74	58	65	60	30.03	30.10	9.40	8	1	19
22			72	59	64	63	30.04	30.11	9.40	8	2	20
23			71	59	64	66	30.04	30.11	9.33	7	1	19
24			70	59	63	69	30.04	30.11	9.33	6	1	27

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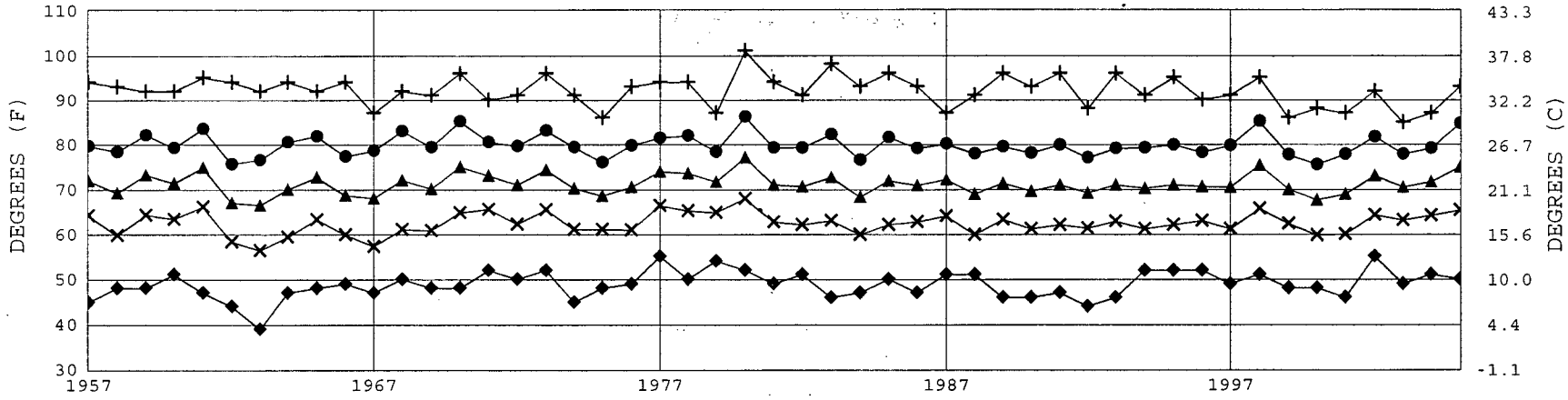
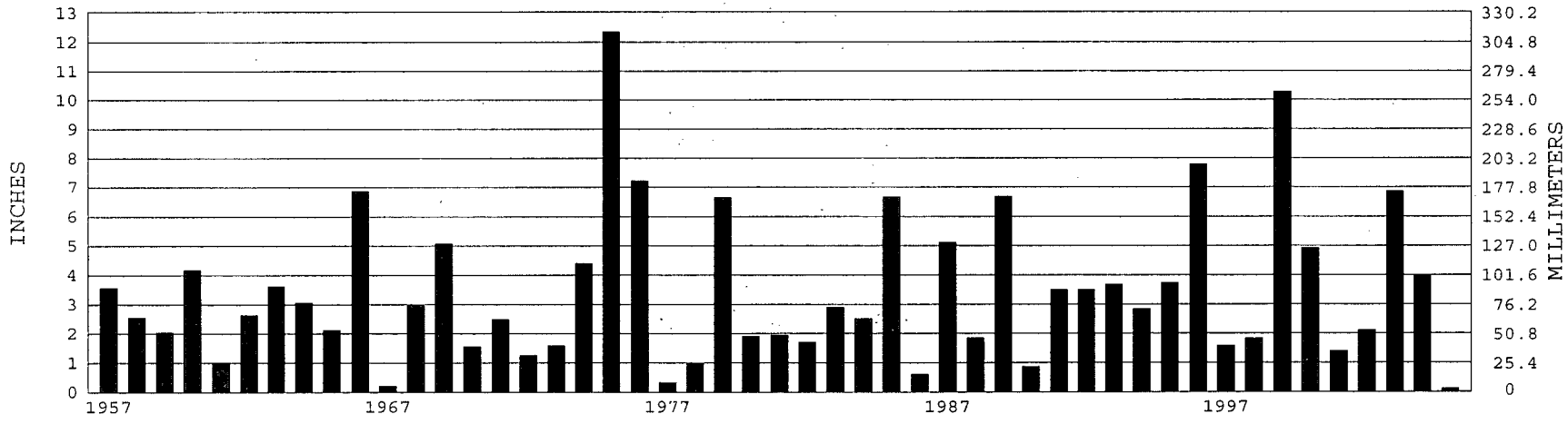
WASHINGTON DC, DC SEPTEMBER TEMPERATURES



+ Extreme Max. ● Mean Max. ▲ Mean × Mean Min. ◆ Extreme Min.

Long-Term (1957-2005) Mean: 71.2 1971-2000 Normal: 70.5

WASHINGTON DC, DC SEPTEMBER PRECIPITATION



Long-Term (1957-2005) Mean Monthly Total: 3.46 1971-2000 Normal: 3.79

SEPTEMBER 2005

WASHINGTON DC, DC

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

I certify that this is an official publication of the National Oceanic and Atmospheric Administration (NOAA). It is compiled using information from weather observing sites operated by NOAA—National Weather Service / Department Of Transportation—Federal Aviation Administration and received at the National Climatic Data Center (NCDC), Asheville, North Carolina 28801.

Thomas R Karl

DIRECTOR

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OCTOBER 2005
LOCAL CLIMATOLOGICAL DATA
NOAA, National Climatic Data Center

WASHINGTON DC, DC

RONALD REAGAN WASH NTL APT (DCA)

Lat: 38°51' N Long: 77°02' W Elev (Ground): 10 Feet

Time Zone: EASTERN WBAN: 13743 ISSN #:0198–1188

DATE	TEMPERATURE °F MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	DEG DAYS BASE 65° HEATING	COOLING	WEATHER	SNOW/ICE ON GND(IN) 0700 LST DEPTH	1300 LST WATER EQUIV	PRECIPITATION (INCHES) 2400 LST SNOW-FALL	2400 LST WATER EQUIV	PRESSURE (INCHES OF HG) AVERAGE STATION	AVERAGE SEA LEVEL	WIND SPEED = MPH DIR = TENS OF DEGREES RESULTANT SPEED	RES DIR	AVERAGE SPEED	MAXIMUM 5-SEC SPEED	DIR	MAXIMUM 2-MIN SPEED	DIR	DATE
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
01	77	52	65	0	50	56	0	0		0		0.0	0.00	30.23	30.30	3.9	16	4.8	15	13	13	14	01
02	82*	57	70	6	54	60	0	5		0		0.0	0.00	30.29	30.36	1.5	14	3.0	16	09	15	09	02
03	81	57	69	5	57	62	0	4	HZ	0		0.0	0.00	30.29	30.36	3.5	07	4.9	16	13	13	13	03
04	76	66	71	8	63	66	0	6		0		0.0	0.00	30.26	30.33	6.1	06	6.9	14	06	13	06	04
05	81	65	73	10	61	65	0	8		0		0.0	0.00	30.21	30.28	4.1	10	5.8	14	17	12	13	05
06	81	68	75*	13	67	69	0	10	RA BR	0		0.0	0.04	30.08	30.14	4.9	10	6.4	16	12	14	12	06
07	77	70	74	12	69	71	0	9	RA FG+ BR	0		0.0	3.63	29.81	29.87	10.1	17	11.8	39*	22	30*	21	07
08	73	57	65	3	64	66	0	0	RA DZ BR	0		0.0	3.67	29.62	29.69	7.3	34	9.5	25	34	23	34	08
09	64	56	60	-1	52	55	5	0		0		0.0	0.00	29.87	29.94	8.9	36	9.5	20	32	16	34	09
10	69	59	64	3	56	59	1	0		0		0.0	0.00	29.97	30.03	7.0	02	7.5	15	01	12	02	10
11	65	62	64	3	58	60	1	0	RA BR HZ	0		0.0	0.09	29.97	30.04	10.2	01	10.5	18	01	16	01	11
12	66	56	61	1	55	58	4	0	RA DZ BR	0		0.0	0.02	30.02	30.09	11.3	03	12.1	24	02	20	03	12
13	62	55	59	-1	55	57	6	0	RA DZ BR	0		0.0	0.14	29.96	30.03	12.9	35	13.0	22	01	18	36	13
14	69	60	65	6	57	60	0	0	RA DZ	0		0.0	0.01	29.86	29.93	13.7	34	13.9	28	34	22	35	14
15	80	57	69	10	46	56	0	4		0		0.0	0.00	29.68	29.75	10.5	32	11.0	28	31	21	33	15
16	68	53	61	2	38	49	4	0		0		0.0	0.00	29.78	29.85	12.9	30	13.5	37	31	28	32	16
17	69	51	60	2	40	50	5	0		0		0.0	0.00	29.80	29.86	7.6	31	9.2	30	33	23	33	17
18	79	51	65	7	45	54	0	0		0		0.0	0.00	29.74	29.81	5.6	25	8.5	26	31	21	28	18
19	76	51	64	6	50	56	1	0		0		0.0	0.00	29.84	29.90	6.7	21	8.1	24	24	18	22	19
20	64	55	60	3	46	52	5	0	RA	0		0.0	T	29.94	30.00	8.8	03	9.5	20	06	17	04	20
21	56	51	54	-3	47	50	11	0	RA DZ BR	0		0.0	0.04	29.93	30.00	7.9	05	8.2	17	07	15	06	21
22	57	51	54	-2	51	53	11	0	TSRA RA DZ BR	0		0.0	0.61	29.63	29.70	4.7	36	7.4	21	28	16	29	22
23	63	48	56	0	39	47	9	0		0		0.0	0.00	29.78	29.84	4.9	30	8.2	23	33	16	28	23
24	59	47	53	-3	45	49	12	0	RA DZ BR	0		0.0	0.57	29.72	29.79	12.6	04	14.1	31	05	26	06	24
25	48	42	45*	-10	41	43	20	0	RA DZ BR	0		0.0	0.59	29.47	29.54	12.3	33	13.8	29	01	22	34	25
26	58	43	51	-4	37	43	14	0		0		0.0	0.00	29.88	29.94	11.0	31	11.5	29	34	23	31	26
27	57	42	50	-5	32	42	15	0		0		0.0	0.00	30.15	30.22	5.4	34	6.9	20	33	18	33	27
28	54	40	47	-8	33	41	18	0		0		0.0	0.00	30.24	30.31	5.7	01	6.9	18	01	15	36	28
29	53	40*	47	-7	32	41	18	0		0		0.0	0.00	30.23	30.29	7.7	32	8.5	25	33	21	32	29
30	67	42	55	1	35	45	10	0		0		0.0	0.00	30.25	30.32	4.7	30	6.5	21	31	17	32	30
31	71	41	56	2	41	48	9	0		0		0.0	0.00	30.17	30.24	3.3	20	3.5	10	18	9	19	31
	67.8	53.1	60.5		48.9	54.3	5.8	1.5	< MONTHLY AVERAGES	TOTALS–>		0.0	9.41	29.96	30.03	4.3	35	8.9	<– MONTHLY AVERAGES				
	-.2	3.5	1.7		<–––––––––––DEPARTURE FROM NORMAL–––––––––––>								6.19	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									

DEGREE DAYS

	MONTHLY TOTAL	MONTHLY DEPARTURE	SEASON TO DATE TOTAL	SEASON TO DATE DEPARTURE
HEATING:	179	-26	184	-47
COOLING:	46	18	1704	177

GREATEST 24-HR PRECIPITATION: 5.91 DATE :07-08
GREATEST 24-HR SNOWFALL: 0.0 DATE :
GREATEST SNOW DEPTH: 0 DATE :

	SEA LEVEL PRESSURE	DATE	TIME
MAXIMUM :	30.42	03	0951
MINIMUM :	29.47	25	0451

NUMBER OF DAYS WITH →

MAXIMUM TEMP ≥ 90:	0	MINIMUM TEMP ≤ 32 :	0
MAXIMUM TEMP ≤ 32 :	0	MINIMUM TEMP ≤ 0 :	0
THUNDERSTORMS :	1	HEAVY FOG :	1

PRECIPITATION ≥ 0.01 INCH :	11
PRECIPITATION ≥ 0.10 INCH :	6
SNOWFALL ≥ 1.0 INCH :	0

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

WASHINGTON DC, DC

OCTOBER 2005 DCA WBAN # 13743

DATE	FOR HOUR (LST) ENDING AT												DATE	FOR HOUR (LST) ENDING AT												DATE	Sum if Different (See Note)	2400 LST Water Equiv.
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24			
01													01													01		0.00
02													02													02		0.00
03													03													03		0.00
04													04													04		0.00
05													05													05		0.00
06							T	T					06	0.02			T	0.02								06		0.04
07		T	0.02	T	0.02	0.01	T	T	0.01	0.25	0.61	0.31	07	T	T	0.56	0.24	0.05	0.25	0.07	0.30	0.29	0.18	0.27	0.19	07		3.63
08	0.04	0.07	0.36	0.28	0.34	0.26	0.37	0.26	0.12	0.29	0.18	0.35	08	0.15	0.44	0.11	0.01	0.04	T	T		T	T			08		3.67
09													09													09		0.00
10													10													10		0.00
11	0.02	T	T			T	0.02	T	0.02	0.02	0.01	T	11	T	T	T	T									11		0.09
12			T	T	T	T	T	T					12										T	0.01	0.01	12		0.02
13	T	T	T	T	0.03	0.02	0.03	0.02	T	T	T		13		T	T			0.02	T	T	0.01	0.01	T		13		0.14
14	T	T	T	T	T				T	T	0.01	T	14													14		0.01
15													15													15		0.00
16													16													16		0.00
17													17													17		0.00
18													18													18		0.00
19													19													19		0.00
20													20			T	T									20		T
21								0.01	T	T	T	T	21		T	T	T	T	T	0.01	T	T	T	0.01	0.01	21		0.04
22	T	T	0.07	0.21	0.04	0.03	0.07	T	T	0.01	T	T	22	T	T	T	0.01	T	0.06	0.10	0.01					22		0.61
23													23													23		0.00
24													24					T	T	0.04	0.12	0.12	0.07	0.11	0.11	24		0.57
25	0.01	0.04	0.03	0.03	0.05	0.07	0.07	0.02	T	0.03	0.04	0.02	25	0.03	T	0.03	0.03	0.04	0.03	0.01	0.01	T	T	T	T	25		0.59
26													26													26		0.00
27													27													27		0.00
28													28													28		0.00
29													29													29		0.00
30													30													30		0.00
31													31													31		0.00

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	*5*	*10*	*15*	*20*	*30*	*45*	*60*	*80*	*100*	*120*	*150*	*180*
Precipitation (Inches)	.24	.45	.57	.63	.72	.77	.79	.80	.93	1.03	1.14	1.17
Ending Date	07	07	07	07	07	07	07	07	07	07	07	07
Ending Time (Hour/Min)	1450	1452	1453	1455	1506	1513	1524	1545	1114	1115	1147	1147

Date and time are not entered for TRACE amounts.

Note : The sum of the hourly totals is given when it differs from the daily total. NWS does not edit ASOS hourly values but may edit daily and monthly totals. Hourly, daily, and monthly totals are printed as reported by the ASOS site.

REFERENCE NOTES & SUPPLEMENTAL SUMMARIES

* = Extreme for the month (last occurence if more than one)
T = Trace precipitation amount
+ = also occurs on earlier date
FG+ = Heavy fog, visibility .25 miles or less
BLANK entries denote missing or unreported data

Resultant wind is the vector sum of the wind speeds and directions divided by the number of observations.

Wind direction is recorded in tens of degrees (2 digits) clockwise from true north. '00' = calm, 'VR' = variable.

Precipitation is for the 24-hour period ending at the time indicated in the column heading.

Water Equivalent of snow on the ground is reported only when the depth is 2 or more inches.

NORMALS ARE FOR THE YEARS 1971-2000

WEATHER NOTATIONS

QUALIFIER	WEATHER PHENOMENA		
DESCRIPTOR	PRECIPITATION	OBSCURATION	OTHER
BC Patches	DZ Drizzle	BR Mist	DS Duststorm
BL Blowing	GR Hail	DU Widespread Dust	FC Funnel Cloud
DR Low Drifting	GS Small Hail and/or Snow Pellets	FG Fog	+FC Tornado Waterspout
FZ Freezing	IC Ice Crystals	FU Smoke	PO Well-Developed Dust/Sand Whirls
MI Shallow	PL Ice Pellets	HZ Haze	SQ Squalls
PR Partial	RA Rain	PY Spray	SS Sandstorm
SH Shower(s)	SG Snow Grains	SA Sand	GL Glaze
TS Thunderstorm	SN Snow	VA Volcanic Ash	
VC In the Vicinity	UP Unknown Precipitation		

Intensity (as indicated on pages 4 to 6):
'+' = Heavy ' ' = Moderate '-' = Light

WASHINGTON DC, DC
OCTOBER 2005

Ceilometer (30-second) data are used to derive cloudiness at or below 12,000 feet. This cloudiness is the mean cloud cover detected during sunrise to sunset (SR-SS), or midnight to midnight (MN-MN).

Satellite data are used to derive cloudiness above 12,000 feet. Effective Cloud Amount is based on the cloud cover and the transparency of the clouds within the satellite field of view (approx. 31x31 miles).

Sky Condition is based on the sum (not to exceed 8) of the sunrise to sunset cloud cover below and above 12,000 feet. Both ceilometer and satellite data must be present to compute Sky Condition. Clear = 0-2 oktas, Partly Cloudy = 3-6 oktas, Cloudy = 7-8 oktas.

A Heating (Cooling) Degree Day is the difference between the average daily temperature and 65 degrees F. The HDD season begins July 1, the CDD season begins January 1.

Dew Point is the temperature to which the air must be cooled to achieve 100% relative humidity.
Wet Bulb is the temperature the air would have if cooled to saturation at constant pressure by evaporation of water into it.

Snow Depth, Snowfall, and Sunshine data may come from nearby sites that the National Weather Service deems Climatologically representative of this site.

ADDITIONAL NOTES:

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
			SR-SS		MN-MN				
	TOTAL MINUTES	PERCENT POSSIBLE	CEILOMETER	SATELLITE	CEILOMETER	SATELLITE	MINIMUM	MAXIMUM	
01							10.00	10.00	
02							8.00	10.00	
03							5.00	10.00	
04							7.00	10.00	
05							7.00	10.00	
06							5.00	10.00	
07							.25	10.00	
08							.75	10.00	
09							10.00	10.00	
10							8.00	10.00	
11							4.00	10.00	
12							4.00	10.00	
13							2.00	10.00	
14							4.00	10.00	
15							7.00	10.00	
16							10.00	10.00	
17							10.00	10.00	
18							10.00	10.00	
19							8.00	10.00	
20							7.00	10.00	
21							1.50	10.00	
22							2.50	10.00	
23							10.00	10.00	
24							2.50	10.00	
25							2.00	10.00	
26							10.00	10.00	
27							10.00	10.00	
28							9.00	10.00	
29							10.00	10.00	
30							10.00	10.00	
31							9.00	10.00	
MONTHLY AVGS							6.56	10.00	

SUNSHINE (MINUTES)

Total: Possible:
Percent Possible:

NUMBER OF DAYS WITH:

SKY CONDITION

CLR	PTLY CLDY	CLOUDY	MISSING
			31

MINIMUM VISIBILITY (MILES)

<=0.25	<=3.0	>=7.0
1	7	19

OBSERVATIONS AT 3-HOURLY INTERVALS

WASHINGTON DC, DC

OCTOBER 2005 DCA WBAN # 13743

HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE OBSERVATION TIME (LST)	SATELLITE EFF CLD AMT Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F DRY BULB	TEMPERATURE °F DEW POINT	TEMPERATURE °F WET BULB	RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH)	WIND DIRECTION TENS OF DEG	PRESSURE (INCHES,HG) STATION	PRESSURE (INCHES,HG) SEA LEVEL
SUNRISE: 0604						OCT 01			SUNSET: 1751					
01	CLR	NC			10.00		57	44	51	62	0	00	30.17	30.23
04	CLR	NC			10.00		54	45	49	72	0	00	30.19	30.26
07	SCT	NC			10.00		54	47	50	77	0	00	30.23	30.30
10	SCT	NC			10.00		67	50	58	55	8	18	30.27	30.34
13	SCT	NC			10.00		75	51	61	43	9	18	30.23	30.30
16	SCT	NC			10.00		76	52	62	43	5	16	30.20	30.27
19	SCT	NC			10.00		69	53	60	57	12	15	30.23	30.29
22	CLR	NC			10.00		66	51	58	59	0	00	30.26	30.32
SUNRISE: 0605						OCT 02			SUNSET: 1749					
01	CLR	NC			10.00		62	53	57	73	0	00	30.29	30.35
04	CLR	NC			10.00		59	53	56	81	0	00	30.30	30.36
07	FEW	NC			9.00		58	54	56	87	6	06	30.33	30.39
10	FEW	NC			10.00		68	55	61	63	3	12	30.33	30.40
13	FEW	NC			10.00		77	53	63	44	3	VR	30.29	30.36
16	SCT	NC			10.00		81	52	64	37	5	06	30.26	30.32
19	SCT	NC			10.00		71	56	62	59	3	20	30.28	30.35
22	CLR	NC			10.00		66	53	59	63	6	17	30.30	30.37
SUNRISE: 0606						OCT 03			SUNSET: 1747					
01	CLR	NC			10.00		62	54	58	75	5	26	30.30	30.37
04	CLR	NC			10.00		60	56	58	86	3	07	30.30	30.36
07	BKN	250			5.00	HZ	59	54	56	83	0	00	30.33	30.40
10	BKN	250			10.00		72	55	62	55	8	02	30.35	30.42
13	BKN	250			10.00		78	55	64	45	5	VR	30.28	30.35
16	BKN	250			10.00		78	57	65	48	10	11	30.25	30.32
19	SCT	NC			10.00		73	60	65	64	3	12	30.27	30.34
22	SCT	NC			10.00		69	61	64	76	5	07	30.30	30.36
SUNRISE: 0607						OCT 04			SUNSET: 1746					
01	BKN	050			10.00		67	63	65	87	5	05	30.28	30.35
04	BKN	036			10.00		67	62	64	84	6	05	30.27	30.34
07	OVC	008			8.00		66	62	64	87	8	03	30.29	30.35
10	BKN	019			9.00		72	61	65	69	8	03	30.31	30.37
13	OVC	050			8.00		74	62	67	67	6	04	30.26	30.33
16	OVC	050			10.00		74	64	68	71	5	06	30.23	30.29
19	OVC	060			10.00		73	65	68	76	7	04	30.23	30.29
22	OVC	032			10.00		71	64	67	79	6	VR	30.25	30.31
SUNRISE: 0608						OCT 05			SUNSET: 1744					
01	OVC	031			10.00		68	63	65	84	7	10	30.24	30.31
04	OVC	010			10.00		67	62	64	84	5	06	30.24	30.31
07	BKN	014			7.00		66	61	63	84	8	06	30.26	30.32
10	FEW	NC			10.00		72	58	64	61	7	05	30.25	30.32
13	SCT	NC			10.00		80	57	66	45	6	06	30.19	30.25
16	BKN	090			10.00		78	61	67	56	7	12	30.17	30.24
19	FEW	NC			10.00		74	63	67	69	5	15	30.17	30.23
22	SCT	NC			10.00		70	64	66	82	3	15	30.17	30.24
SUNRISE: 0609						OCT 06			SUNSET: 1743					
01	BKN	021			10.00		70	65	67	84	6	15	30.16	30.23
04	OVC	018			8.00		69	65	66	87	0	00	30.14	30.21
07	OVC	016			5.00	BR	70	66	67	87	9	06	30.14	30.20
10	OVC	009			10.00		71	67	68	87	9	10	30.12	30.19
13	OVC	021			10.00		76	69	71	79	9	09	30.07	30.14
16	BKN	042			8.00	-RA	79	69	72	72	10	16	30.01	30.07
19	SCT	NC			10.00		75	69	71	82	8	12	30.01	30.08
22	SCT	NC			10.00		72	67	69	84	8	13	30.01	30.08
SUNRISE: 0610						OCT 07			SUNSET: 1741					
01	OVC	010			8.00		72	68	69	87	5	08	29.98	30.05
04	OVC	010			5.00	-RA BR	72	69	70	91	6	13	29.93	30.00
07	OVC	014			10.00		73	69	70	87	12	14	29.89	29.96
10	OVC	015			2.00	RA BR	73	71	72	94	12	17	29.85	29.92
13	OVC	024			9.00	-RA	76	71	73	85	16	17	29.77	29.84
16	OVC	018			10.00	-RA	72	68	69	87	15	19	29.73	29.80
19	OVC	029			7.00	-RA	71	69	70	94	9	19	29.71	29.78
22	OVC	012			5.00	RA BR	72	69	70	91	16	20	29.69	29.76
SUNRISE: 0611						OCT 08			SUNSET: 1740					
01	OVC	013			7.00	-RA	73	70	71	90	10	20	29.66	29.73
04	OVC	005			3.00	RA BR	72	70	71	94	3	17	29.62	29.69
07	OVC	009			2.00	RA BR	71	70	70	96	5	01	29.60	29.67
10	OVC	013			4.00	RA BR	72	71	71	97	5	01	29.58	29.65
13	OVC	026			0.75	+RA BR	72	70	71	94	9	01	29.56	29.62
16	OVC	011			10.00	-RA	64	61	62	90	18	36	29.58	29.64
19	OVC	023			10.00		59	55	57	87	17	35	29.63	29.70
22	OVC	011			10.00		58	54	56	87	16	33	29.71	29.78
SUNRISE: 0612						OCT 09			SUNSET: 1738					
01	OVC	017			10.00		57	52	54	83	12	33	29.76	29.83
04	OVC	019			10.00		57	50	53	78	12	33	29.79	29.85
07	OVC	025			10.00		57	50	53	78	9	34	29.83	29.90
10	OVC	020			10.00		60	51	55	72	9	36	29.88	29.95
13	OVC	023			10.00		64	52	57	65	9	35	29.87	29.94
16	OVC	025			10.00		63	52	57	68	8	36	29.89	29.96
19	OVC	022			10.00		61	52	56	72	8	04	29.93	30.00
22	OVC	018			10.00		60	53	56	78	9	02	29.96	30.02
SUNRISE: 0613						OCT 10			SUNSET: 1737					
01	OVC	017			10.00		60	53	56	78	9	02	29.96	30.03
04	OVC	013			9.00		60	53	56	78	8	04	29.95	30.01
07	OVC	013			10.00		60	53	56	78	8	35	29.99	30.06
10	BKN	250			10.00		67	56	61	68	7	36	29.98	30.04
13	OVC	019			10.00		67	57	61	71	7	01	29.96	30.03
16	OVC	021			8.00		66	58	61	75	7	06	29.95	30.01
19	OVC	015			9.00		65	58	61	78	10	02	29.96	30.03
22	OVC	015			10.00		64	59	61	84	7	05	29.97	30.04
SUNRISE: 0614						OCT 11			SUNSET: 1735					
01	OVC	016			7.00		63	59	61	87	8	02	29.95	30.02
04	OVC	026			7.00		63	58	60	84	12	36	29.95	30.01
07	OVC	011			4.00	-RA BR	62	59	60	90	10	03	29.96	30.03
10	OVC	013			5.00	-RA BR	63	59	61	87	9	02	29.97	30.04
13	OVC	013			7.00	-RA	63	58	60	84	12	35	29.96	30.03
16	OVC	019			6.00	HZ	64	58	60	81	12	01	29.96	30.03
19	OVC	023			9.00		64	57	60	78	12	36	29.99	30.06
22	OVC	021			10.00		63	57	60	81	8	35	30.01	30.07
SUNRISE: 0615						OCT 12			SUNSET: 1734					
01	OVC	015			10.00		63	57	60	81	10	36	30.01	30.07
04	OVC	008			5.00	-DZ BR	61	58	59	90	9	02	30.00	30.06
07	OVC	009			5.00	-DZ BR	61	57	59	87	12	05	30.04	30.10
10	OVC	020			10.00		63	55	58	76	12	03	30.04	30.11
13	OVC	024			10.00		65	54	59	68	13	06	30.01	30.08
16	OVC	024			10.00		63	53	57	70	12	05	30.03	30.09
19	OVC	018			10.00		59	52	55	78	16	02	30.04	30.11
22	OVC	018			6.00	-RA BR	56	52	54	87	13	01	30.03	30.10

OBSERVATIONS AT 3-HOURLY INTERVALS

WASHINGTON DC, DC

OCTOBER 2005 DCA WBAN # 13743

HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE OBSERVATION TIME (LST)	SATELLITE EFF CLD AMT Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH)	DIRECTION TENS OF DEG	PRESSURE (INCHES,HG) STATION	SEA LEVEL
SUNRISE: 0616 OCT 13 SUNSET: 1732														
01	OVC	014			9.00	-DZ	55	52	53	90	10	34	30.00	30.07
04	OVC	016			4.00	-RA BR	55	52	53	90	13	33	29.98	30.05
07	OVC	014			3.00	-DZ BR	56	53	54	90	15	36	29.97	30.04
10	OVC	010			8.00	-DZ	58	55	56	90	15	35	29.98	30.05
13	OVC	012			10.00		61	55	58	81	16	35	29.96	30.02
16	OVC	014			10.00		62	56	59	81	12	36	29.94	30.01
19	OVC	013			4.00	-DZ BR	60	57	58	90	12	35	29.95	30.02
22	OVC	013			7.00	-DZ	60	57	58	90	13	34	29.95	30.01
SUNRISE: 0617 OCT 14 SUNSET: 1731														
01	OVC	013			10.00	-RA	60	57	58	90	12	34	29.92	29.98
04	OVC	019			10.00	-RA	60	57	58	90	16	34	29.89	29.96
07	OVC	014			10.00		61	57	59	87	14	33	29.92	29.98
10	OVC	032			10.00		64	58	60	81	14	35	29.91	29.98
13	OVC	020			10.00		69	60	64	73	15	34	29.85	29.91
16	OVC	028			10.00		69	57	62	66	14	34	29.82	29.88
19	BKN	120			10.00		65	56	60	73	9	34	29.82	29.89
22	BKN	250			10.00		64	54	58	70	15	33	29.80	29.86
SUNRISE: 0618 OCT 15 SUNSET: 1729														
01	CLR	NC			10.00		62	53	57	73	14	32	29.76	29.83
04	CLR	NC			10.00		58	52	55	81	7	36	29.71	29.78
07	CLR	NC			7.00		61	52	56	72	10	33	29.72	29.79
10	CLR	NC			7.00		70	54	61	57	14	31	29.70	29.77
13	FEW	NC			10.00		77	49	61	37	16	30	29.60	29.67
16	FEW	NC			10.00		77	42	58	29	15	34	29.58	29.65
19	CLR	NC			10.00		69	37	53	31	10	33	29.67	29.73
22	CLR	NC			10.00		61	39	50	44	8	34	29.73	29.80
SUNRISE: 0619 OCT 16 SUNSET: 1728														
01	CLR	NC			10.00		58	37	48	46	6	25	29.74	29.80
04	CLR	NC			10.00		55	38	47	53	7	25	29.76	29.83
07	FEW	NC			10.00		56	38	47	51	10	29	29.80	29.87
10	FEW	NC			10.00		62	40	51	44	20	29	29.81	29.87
13	SCT	NC			10.00		67	39	53	36	16	31	29.77	29.84
16	BKN	080			10.00		65	38	52	37	14	30	29.76	29.82
19	FEW	NC			10.00		62	36	50	38	13	30	29.78	29.85
22	CLR	NC			10.00		58	36	48	44	15	32	29.80	29.87
SUNRISE: 0620 OCT 17 SUNSET: 1727														
01	CLR	NC			10.00		55	39	47	55	9	33	29.80	29.87
04	CLR	NC			10.00		54	39	47	57	7	33	29.80	29.86
07	FEW	NC			10.00		53	39	46	59	3	33	29.83	29.90
10	FEW	NC			10.00		62	40	51	44	14	34	29.84	29.91
13	SCT	NC			10.00		66	40	53	39	14	29	29.79	29.85
16	FEW	NC			10.00		68	38	53	33	10	30	29.75	29.82
19	FEW	NC			10.00		62	38	50	41	7	28	29.77	29.84
22	FEW	NC			10.00		54	42	48	64	7	21	29.79	29.85
SUNRISE: 0621 OCT 18 SUNSET: 1725														
01	BKN	100			10.00		53	45	49	74	5	23	29.75	29.82
04	BKN	110			10.00		54	47	50	77	8	23	29.73	29.79
07	SCT	NC			10.00		53	44	49	72	9	22	29.73	29.80
10	SCT	NC			10.00		65	47	55	52	7	18	29.72	29.79
13	SCT	NC			10.00		77	47	60	35	20	30	29.68	29.75
16	SCT	NC			10.00		78	39	57	25	14	30	29.68	29.75
19	FEW	NC			10.00		71	39	55	31	7	29	29.75	29.82
22	FEW	NC			10.00		61	49	55	65	0	00	29.83	29.90

HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE OBSERVATION TIME (LST)	SATELLITE EFF CLD AMT Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH)	DIRECTION TENS OF DEG	PRESSURE (INCHES,HG) STATION	SEA LEVEL
SUNRISE: 0622 OCT 19 SUNSET: 1724														
01	CLR	NC			10.00		56	47	51	72	5	24	29.87	29.94
04	CLR	NC			10.00		52	46	49	80	3	26	29.89	29.96
07	BKN	250			10.00		54	48	51	80	3	10	29.91	29.98
10	BKN	250			10.00		64	51	57	63	12	18	29.91	29.98
13	BKN	250			10.00		74	46	59	37	16	23	29.81	29.88
16	SCT	NC			10.00		76	49	61	39	14	21	29.76	29.83
19	SCT	NC			10.00		67	54	60	63	8	20	29.77	29.83
22	FEW	NC			10.00		64	55	59	73	7	19	29.78	29.85
SUNRISE: 0623 OCT 20 SUNSET: 1723														
01	CLR	NC			8.00		61	56	58	84	5	23	29.79	29.85
04	BKN	250			7.00		59	54	56	83	7	01	29.83	29.90
07	BKN	250			10.00		59	50	54	72	12	03	29.91	29.97
10	SCT	NC			10.00		61	45	53	56	13	04	29.98	30.05
13	OVC	055			10.00		62	44	53	52	10	04	29.95	30.02
16	OVC	050			10.00		57	42	50	58	9	02	29.96	30.03
19	OVC	048			10.00		56	40	48	55	9	03	29.99	30.06
22	OVC	049			10.00		55	41	48	59	9	05	30.01	30.08
SUNRISE: 0624 OCT 21 SUNSET: 1721														
01	OVC	039			10.00		56	41	49	57	5	10	29.99	30.06
04	OVC	037			10.00		55	42	49	62	6	04	29.95	30.02
07	OVC	038			10.00		55	44	50	67	9	05	29.98	30.05
10	OVC	040			6.00	BR	51	47	49	86	10	03	29.99	30.06
13	OVC	007			6.00	BR	52	48	50	86	10	04	29.93	30.00
16	OVC	007			2.50	-DZ BR	53	50	51	89	8	04	29.91	29.98
19	OVC	006			3.00	-DZ BR	52	50	51	93	9	05	29.91	29.98
22	OVC	006			7.00	-DZ	53	50	51	89	12	08	29.88	29.95
SUNRISE: 0625 OCT 22 SUNSET: 1720														
01	OVC	004			4.00	-DZ BR	53	50	51	89	12	06	29.79	29.86
04	OVC	006			6.00	-RA BR	53	51	52	93	9	04	29.72	29.78
07	OVC	006			5.00	-RA BR	54	52	53	93	10	04	29.65	29.72
10	OVC	006			2.50	-DZ BR	55	53	54	93	7	03	29.62	29.69
13	OVC	006			3.00	-DZ BR	57	54	55	90	3	01	29.56	29.63
16	OVC	006			8.00		57	53	55	87	6	30	29.53	29.60
19	OVC	065			10.00	-RA	55	50	52	83	6	29	29.59	29.66
22	SCT	NC			10.00		53	48	50	83	5	VR	29.61	29.68
SUNRISE: 0626 OCT 23 SUNSET: 1719														
01	FEW	NC			10.00		52	42	47	69	14	29	29.65	29.72
04	CLR	NC			10.00		49	38	44	66	10	23	29.69	29.76
07	SCT	NC			10.00		48	36	43	63	6	23	29.73	29.80
10	SCT	NC			10.00		56	36	47	47	17	33	29.79	29.85
13	SCT	NC			10.00		61	38	50	43	8	32	29.78	29.85
16	SCT	NC			10.00		62	38	50	41	8	01	29.79	29.86
19	FEW	NC			10.00		55	43	49	64	6	18	29.83	29.90
22	FEW	NC			10.00		51	44	48	77	7	06	29.86	29.93
SUNRISE: 0627 OCT 24 SUNSET: 1717														
01	BKN	110			10.00		50	43	47	77	3	01	29.84	29.91
04	OVC	130			10.00		51	43	47	74	8	02	29.83	29.90
07	OVC	130			10.00		51	44	48	77	7	04	29.83	29.90
10	OVC	130			10.00		57	46	51	67	14	07	29.82	29.89
13	OVC	034			10.00		58	46	52	65	15	07	29.75	29.81
16	OVC	047			10.00		56	45	50	67	22	06	29.66	29.73
19	OVC	030			5.00	-RA BR	50	46	48	86	16	02	29.63	29.70
22	OVC	013			2.50	RA BR	48	45	47	89	23	01	29.55	29.62

OBSERVATIONS AT 3-HOURLY INTERVALS

WASHINGTON DC, DC

OCTOBER 2005 DCA WBAN # 13743

HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE: OBSERVATION TIME (LST)	SATELLITE: EFF CLD AMT Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F: DRY BULB	TEMPERATURE °F: DEW POINT	TEMPERATURE °F: WET BULB	RELATIVE HUMIDITY (PCT)	WIND: SPEED (MPH)	WIND: DIRECTION TENS OF DEG	PRESSURE (INCHES,HG): STATION	PRESSURE (INCHES,HG): SEA LEVEL
SUNRISE: 0628 OCT 25 SUNSET: 1716														
01	OVC	011			9.00	-DZ	48	44	46	86	18	01	29.48	29.54
04	OVC	013			4.00	-RA BR	47	44	46	90	10	35	29.41	29.48
07	OVC	028			4.00	-RA BR	45	42	44	90	18	33	29.42	29.49
10	OVC	014			2.50	RA BR	45	41	43	86	13	33	29.44	29.51
13	OVC	017			5.00	-DZ	46	41	44	83	13	33	29.42	29.49
16	OVC	013			4.00	-DZ BR	44	40	42	85	12	34	29.46	29.53
19	OVC	024			5.00	-RA BR	42	39	41	89	13	28	29.52	29.59
22	OVC	022			8.00	-DZ	43	39	41	86	12	31	29.57	29.64
SUNRISE: 0629 OCT 26 SUNSET: 1715														
01	BKN	120			10.00		43	38	41	82	14	32	29.62	29.68
04	FEW	NC			10.00		44	37	41	76	13	31	29.67	29.74
07	SCT	NC			10.00		44	36	41	73	8	30	29.79	29.86
10	SCT	NC			10.00		52	37	45	57	14	30	29.87	29.93
13	BKN	042			10.00		56	37	47	49	20	33	29.88	29.95
16	BKN	080			10.00		55	36	46	49	12	31	29.93	29.99
19	BKN	050			10.00		50	36	44	59	7	28	30.01	30.08
22	FEW	NC			10.00		48	36	43	63	10	28	30.07	30.14
SUNRISE: 0630 OCT 27 SUNSET: 1713														
01	FEW	NC			10.00		44	34	40	68	3	30	30.09	30.16
04	CLR	NC			10.00		44	32	39	63	7	34	30.09	30.16
07	FEW	NC			10.00		44	32	39	63	5	28	30.14	30.21
10	FEW	NC			10.00		51	34	43	52	10	35	30.17	30.24
13	BKN	050			10.00		55	31	44	40	8	01	30.14	30.20
16	BKN	065			10.00		54	31	44	42	14	01	30.14	30.21
19	OVC	075			10.00		49	31	41	50	7	36	30.18	30.25
22	OVC	070			10.00		48	34	42	58	5	01	30.22	30.29
SUNRISE: 0631 OCT 28 SUNSET: 1712														
01	OVC	070			10.00		46	36	42	68	5	06	30.23	30.30
04	OVC	060			10.00		45	35	41	68	9	05	30.22	30.29
07	OVC	065			10.00		45	33	40	63	6	04	30.25	30.32
10	BKN	250			10.00		49	35	43	59	3	06	30.28	30.35
13	BKN	150			10.00		53	32	44	45	12	01	30.23	30.30
16	BKN	055			10.00		51	32	43	48	12	34	30.22	30.29
19	FEW	NC			10.00		48	33	42	56	8	33	30.24	30.31
22	FEW	NC			10.00		43	34	39	71	6	35	30.26	30.32
SUNRISE: 0632 OCT 29 SUNSET: 1711														
01	SCT	NC			10.00		43	33	39	68	0	00	30.26	30.32
04	OVC	100			10.00		42	35	39	76	0	00	30.23	30.30
07	SCT	NC			10.00		42	34	39	73	17	32	30.25	30.32
10	SCT	NC			10.00		49	32	42	52	14	33	30.28	30.35
13	BKN	055			10.00		51	27	41	39	15	33	30.23	30.30
16	FEW	NC			10.00		52	30	43	43	12	34	30.18	30.25
19	CLR	NC			10.00		46	36	42	68	6	26	30.20	30.26
22	CLR	NC			10.00		49	33	42	55	5	VR	30.20	30.27
SUNRISE: 0633 OCT 30 SUNSET: 1710														
01	CLR	NC			10.00		48	33	42	56	8	33	30.21	30.28
04	CLR	NC			10.00		47	33	41	59	10	32	30.24	30.30
07	FEW	NC			10.00		45	33	40	63	5	25	30.27	30.34
10	CLR	NC			10.00		56	33	46	42	9	33	30.30	30.37
13	CLR	NC			10.00		64	32	49	30	10	34	30.24	30.31
16	FEW	NC			10.00		66	33	50	29	6	30	30.23	30.29
19	FEW	NC			10.00		56	37	47	49	3	22	30.23	30.30
22	CLR	NC			10.00		49	41	45	74	0	00	30.25	30.32
SUNRISE: 0634 OCT 31 SUNSET: 1709														
01	CLR	NC			10.00		46	40	43	79	0	00	30.23	30.30
04	CLR	NC			10.00		43	39	41	86	0	00	30.22	30.29
07	SCT	NC			10.00		42	38	40	85	3	27	30.23	30.30
10	SCT	NC			10.00		53	43	48	69	6	18	30.23	30.29
13	FEW	NC			10.00		66	43	54	43	9	19	30.16	30.23
16	CLR	NC			10.00		68	40	54	36	6	20	30.11	30.18
19	CLR	NC			10.00		58	46	52	65	3	20	30.11	30.18
22	CLR	NC			10.00		52	44	48	75	6	21	30.11	30.18

3-HOURLY OBSERVATION NOTES

Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8, SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, VV = Vertical Visibilty = 8/8.
Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet. NC= No ceiling detected.
& = Original observation contained additional weather elements.
See page 3 for additional notes.

SUMMARY BY HOUR

HOUR (LST)	AVERAGES: CEILOMETER	AVERAGES: EFF CLD AMT	AVERAGES: DRY BULB	AVERAGES: DEW POINT	AVERAGES: WET BULB	AVERAGES: RELATIVE HUMIDITY	AVERAGES: PRESSURE (INCHES,HG): STATION	AVERAGES: PRESSURE (INCHES,HG): SEA LEVEL	AVERAGES: VISIBILITY (MILES)	AVERAGES: WIND SPEED (MPH)	RESULTANT WIND (MPH): SPEED	RESULTANT WIND (MPH): DIRECTION
01			57	49	53	76	29.96	30.03	9.42	7	4	34
02			56	49	53	77	29.96	30.02	9.06	7	4	34
03			56	49	52	78	29.95	30.02	8.89	6	4	35
04			56	49	52	78	29.95	30.02	8.65	7	4	35
05			56	49	52	78	29.96	30.02	8.69	7	4	1
06			55	49	52	79	29.96	30.03	8.40	7	4	1
07			56	49	52	78	29.97	30.04	8.19	8	5	36
08			57	49	53	75	29.99	30.05	8.90	9	5	36
09			59	49	54	71	29.99	30.06	8.98	10	5	36
10			61	50	55	67	29.99	30.05	8.58	10	5	36
11			63	49	56	63	29.98	30.05	8.59	11	5	34
12			64	49	56	61	29.96	30.03	9.31	11	4	34
13			66	49	57	58	29.94	30.01	8.99	11	6	34
14			66	49	57	57	29.93	30.00	8.89	11	6	34
15			66	48	57	57	29.93	29.99	8.86	11	5	34
16			65	48	56	57	29.92	29.99	9.24	11	5	36
17			64	48	56	60	29.93	30.00	8.79	10	4	35
18			62	48	55	63	29.94	30.01	8.65	9	3	35
19			61	49	55	67	29.95	30.02	9.10	9	3	34
20			60	49	54	69	29.96	30.02	9.06	8	3	35
21			59	49	54	71	29.96	30.03	8.89	9	4	35
22			58	49	54	74	29.97	30.03	9.21	8	3	35
23			58	49	53	75	29.96	30.03	9.15	8	4	34
24			57	49	53	76	29.96	30.03	9.26	8	3	33

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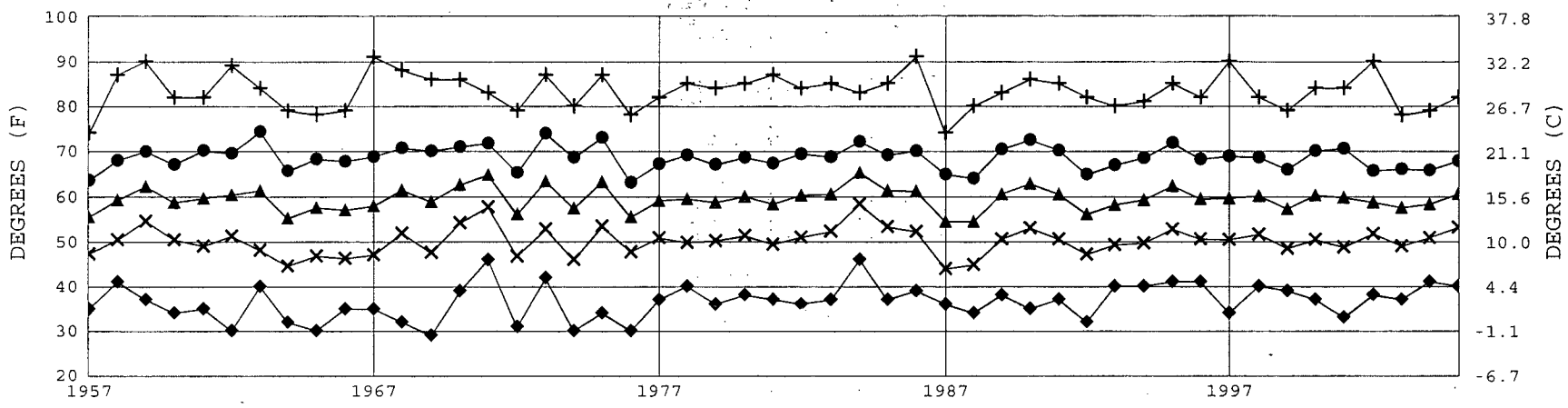
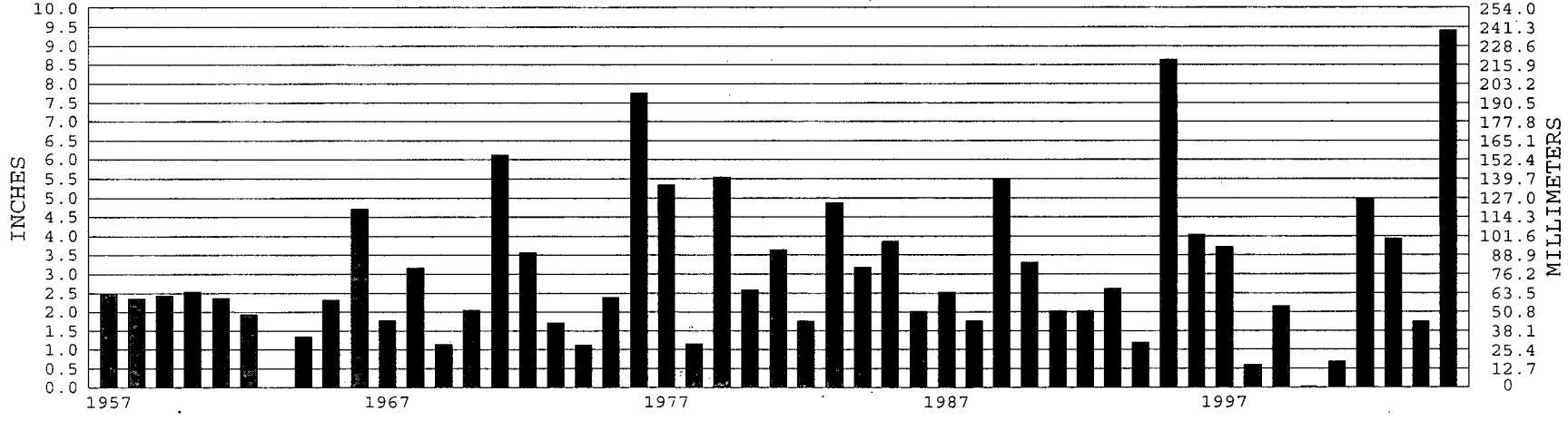
WASHINGTON DC, DC OCTOBER TEMPERATURES



+ Extreme Max. ● Mean Max. ▲ Mean × Mean Min. ◆ Extreme Min.

Long-Term (1957-2005) Mean: 59.4 1971-2000 Normal: 58.8

WASHINGTON DC, DC OCTOBER PRECIPITATION



Long-Term (1957-2005) Mean Monthly Total: 3.02 1971-2000 Normal: 3.22

OCTOBER 2005

WASHINGTON DC, DC

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

I certify that this is an official publication of the National Oceanic and Atmospheric Administration (NOAA). It is compiled using information from weather observing sites operated by NOAA—National Weather Service / Department Of Transportation—Federal Aviation Administration and received at the National Climatic Data Center (NCDC), Asheville, North Carolina 28801.

Thomas R Karl

DIRECTOR

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NOVEMBER 2005
LOCAL CLIMATOLOGICAL DATA
NOAA, National Climatic Data Center

WASHINGTON DC, DC

RONALD REAGAN WASH NTL APT (DCA)

Lat: 38°51' N Long: 77°02' W Elev (Ground): 10 Feet

Time Zone: EASTERN WBAN: 13743 ISSN #:0198–1188

DATE	TEMPERATURE F MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	DEG DAYS BASE 65° HEATING	COOLING	WEATHER	SNOW/ICE ON GND(IN) 0700 LST DEPTH	1300 LST WATER EQUIV	PRECIPITATION (INCHES) 2400 LST SNOW-FALL	2400 LST WATER EQUIV	PRESSURE (INCHES OF HG) AVERAGE STATION	AVERAGE SEA LEVEL	WIND SPEED = MPH DIR = TENS OF DEGREES RESULTANT SPEED	RES DIR	AVERAGE SPEED	MAXIMUM 5-SEC SPEED	DIR	MAXIMUM 2-MIN SPEED	DIR	DATE
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
01	69	49	59	6	42	50	6	0		0		0.0	0.00	29.95	30.03	7.6	22	10.3	23	31	17	32	01
02	62	46	54	1	38	47	11	0	RA	0		0.0	T	30.07	30.14	6.1	32	7.9	24	34	20	32	02
03	67	41	54	2	40	47	11	0	BCFG BR	0		0.0	0.00	30.13	30.20	7.9	20	8.7	22	20	17	21	03
04	68	47	58	6	43	50	7	0		0		0.0	0.00	29.96	30.03	6.8	21	7.2	14	16	13	18	04
05	75	50	63	11	51	55	2	0	BR HZ	0		0.0	0.00	29.98	30.04	2.8	19	3.2	10	19	10	19	05
06	77*	54	66*	14	52	57	0	1	BR HZ	0		0.0	0.00	29.91	29.97	7.8	22	9.9	32	21	28	22	06
07	65	47	56	5	38	48	9	0		0		0.0	0.00	30.13	30.20	7.6	31	9.4	26	33	20	32	07
08	65	45	55	4	46	51	10	0	RA BR	0		0.0	0.05	30.06	30.12	2.7	20	4.5	13	19	12	19	08
09	69	51	60	9	53	56	5	0	RA BR HZ	0		0.0	T	29.86	29.92	3.9	20	7.5	21	22	17	21	09
10	69	42	56	6	30	44	9	0	RA	0		0.0	T	29.83	29.90	15.2	32	16.1	44	33	31	32	10
11	54	38	46	-4	28	39	19	0		0		0.0	0.00	30.09	30.16	6.4	29	7.4	21	33	17	33	11
12	60	36	48	-2	35	42	17	0		0		0.0	0.00	30.22	30.29	5.7	19	6.3	15	19	13	19	12
13	68	44	56	6	42	50	9	0		0		0.0	0.00	30.16	30.23	10.1	20	10.3	22	21	18	21	13
14	66	53	60	11	43	52	5	0	RA	0		0.0	T	30.21	30.28	1.9	01	6.1	18	34	16	35	14
15	69	53	61	12	54	58	4	0	RA BR HZ	0		0.0	0.01	30.11	30.18	6.5	20	7.4	24	19	17	20	15
16	75	45	60	11	53	57	5	0	RA BR	0		0.0	0.48	29.93	29.99	6.7	23	15.6	32	20	26	20	16
17	45	31	38	-11	20	32	27	0		0		0.0	0.00	30.22	30.29	12.6	33	12.8	28	33	22	34	17
18	42	28	35	-13	16	28	30	0		0		0.0	0.00	30.32	30.39	7.1	31	8.3	22	33	20	33	18
19	50	29	40	-8	25	34	25	0		0		0.0	0.00	30.29	30.36	4.7	19	5.3	15	19	13	19	19
20	58	35	47	-1	30	40	18	0		0		0.0	0.00	30.19	30.25	4.1	21	4.7	10	22	9	22	20
21	50	44	47	0	42	45	18	0	RA BR	0		0.0	0.63	29.77	29.83	3.7	02	6.0	23	01	20	02	21
22	50	38	44	-3	31	39	21	0	RA DZ BR	0		0.0	0.18	29.31	29.37	17.3	33	18.1	37	33	30	30	22
23	41	31	36	-10	17	29	29	0	SN BR	0		T	0.04	29.58	29.65	9.2	28	13.7	37	30	30	30	23
24	51	25	38	-8	25	33	27	0	RA	0		0.0	0.01	29.45	29.51	7.6	29	13.9	49*	33	43*	33	24
25	36	22*	29*	-17	3	22	36	0		0		0.0	0.00	30.19	30.26	6.9	30	8.6	26	33	21	33	25
26	46	27	37	-8	20	31	28	0		0		0.0	0.00	30.26	30.33	5.8	19	6.2	20	23	16	20	26
27	53	34	44	-1	31	39	21	0	RA DZ	0		0.0	T	30.23	30.29	1.0	10	3.9	12	23	9	05	27
28	69	47	58	13	51	54	7	0	RA DZ BR	0		0.0	0.04	30.10	30.17	5.0	16	8.8	25	16	20	17	28
29	68	53	61	17	56	59	4	0	RA BR	0		0.0	0.48	29.85	29.91	15.7	18	17.9	39	18	30	18	29
30	54	37	46	2	37	43	19	0		0		0.0	0.00	29.94	30.01	12.4	35	12.8	26	34	21	35	30
	59.7	40.7	50.2		36.4	44.4	14.6	0.0	< MONTHLY AVERAGES	TOTALS–>		T	1.92	30.01	30.08	3.4	26	9.3	<– MONTHLY AVERAGES				
	2.4	0.7	1.5		<–––––––––––DEPARTURE FROM NORMAL––––––––––––>								-1.11	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									

DEGREE DAYS

	MONTHLY TOTAL	MONTHLY DEPARTURE	SEASON TO DATE TOTAL	SEASON TO DATE DEPARTURE
HEATING:	439	-38	623	-85
COOLING:	1	-3	1705	174

GREATEST 24-HR PRECIPITATION: 0.81 DATE :21-22
GREATEST 24-HR SNOWFALL: T DATE :23
GREATEST SNOW DEPTH: 0 DATE :

SEA LEVEL PRESSURE		DATE	TIME
MAXIMUM	30.45	18	0951
MINIMUM	29.23	22	0551

NUMBER OF DAYS WITH →

MAXIMUM TEMP ≥ 90:	0	MINIMUM TEMP ≤ 32 :	7	PRECIPITATION ≥ 0.01 INCH :	9
MAXIMUM TEMP ≤ 32 :	0	MINIMUM TEMP ≤ 0 :	0	PRECIPITATION ≥ 0.10 INCH :	4
THUNDERSTORMS :	0	HEAVY FOG :	0	SNOWFALL ≥ 1.0 INCH :	0

NOVEMBER 2005
WASHINGTON DC, DC

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

WASHINGTON DC, DC

NOVEMBER 2005 DCA WBAN # 13743

DATE	FOR HOUR (LST) ENDING AT												DATE	FOR HOUR (LST) ENDING AT												DATE	Sum if Different (See Note)	2400 LST Water Equiv.
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24			
01													01													01		0.00
02	T												02													02		T
03													03													03		0.00
04													04													04		0.00
05													05													05		0.00
06													06													06		0.00
07													07													07		0.00
08													08									0.02	0.02	0.01		08		0.05
09									T	T			09													09		T
10	T	T		T	T								10			T										10		T
11													11													11		0.00
12													12													12		0.00
13													13													13		0.00
14		T											14													14		T
15	0.01	T										T	15													15		0.01
16													16				T	T	0.01	0.22	0.10	0.09	0.06	T		16		0.48
17													17													17		0.00
18													18													18		0.00
19													19													19		0.00
20													20													20		0.00
21											T	T	21	0.01	0.05	0.06	0.06	0.04	0.05	0.04	0.05	0.02	0.08	0.16	0.01	21		0.63
22	0.05	0.01	0.01	0.02	0.04	T	T	T	T	0.03	0.02	T	22													22		0.18
23													23							T	T	T	0.03	0.01	T	23		0.04
24								T	0.01	T			24													24		0.01
25													25													25		0.00
26													26													26		0.00
27													27							T				T	T	27		T
28	T	T	T	T	0.02	0.01	0.01	T					28													28		0.04
29	T											T	29	T		T	T				0.02	0.20	0.24	0.01	0.01	29		0.48
30													30													30		0.00

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.17	.21	.23	.23	.26	.29	.37	.44	.45	.46	.46	.46
Ending Date	29	29	29	29	29	29	29	29	29	29	29	29
Ending Time (Hour/Min)	2101	2102	2104	2102	2104	2102	2102	2104	2122	2138	2138	2250

Date and time are not entered for TRACE amounts.

Note : The sum of the hourly totals is given when it differs from the daily total. NWS does not edit ASOS hourly values but may edit daily and monthly totals. Hourly, daily, and monthly totals are printed as reported by the ASOS site.

REFERENCE NOTES & SUPPLEMENTAL SUMMARIES

* = Extreme for the month (last occurence if more than one)
T = Trace precipitation amount
+ = also occurs on earlier date
FG+ = Heavy fog, visibility .25 miles or less
BLANK entries denote missing or unreported data

Resultant wind is the vector sum of the wind speeds and directions divided by the number of observations.

Wind direction is recorded in tens of degrees (2 digits) clockwise from true north. '00' = calm, 'VR' = variable.

Precipitation is for the 24-hour period ending at the time indicated in the column heading.

Water Equivalent of snow on the ground is reported only when the depth is 2 or more inches.

NORMALS ARE FOR THE YEARS 1971-2000

WEATHER NOTATIONS

QUALIFIER	WEATHER PHENOMENA		
DESCRIPTOR	PRECIPITATION	OBSCURATION	OTHER
BC Patches	DZ Drizzle	BR Mist	DS Duststorm
BL Blowing	GR Hail	DU Widespread Dust	FC Funnel Cloud
DR Low Drifting	GS Small Hail and/or Snow Pellets	FG Fog	+FC Tornado Waterspout
FZ Freezing	IC Ice Crystals	FU Smoke	PO Well-Developed Dust/Sand Whirls
MI Shallow	PL Ice Pellets	HZ Haze	SQ Squalls
PR Partial	RA Rain	PY Spray	SS Sandstorm
SH Shower(s)	SG Snow Grains	SA Sand	GL Glaze
TS Thunderstorm	SN Snow	VA Volcanic Ash	
VC In the Vicinity	UP Unknown Precipitation		

Intensity (as indicated on pages 4 to 6):
'+' = Heavy ' ' = Moderate '-' = Light

WASHINGTON DC, DC
NOVEMBER 2005

Ceilometer (30-second) data are used to derive cloudiness at or below 12,000 feet. This cloudiness is the mean cloud cover detected during sunrise to sunset (SR-SS), or midnight to midnight (MN-MN).

Satellite data are used to derive cloudiness above 12,000 feet. Effective Cloud Amount is based on the cloud cover and the transparency of the clouds within the satellite field of view (approx. 31x31 miles).

Sky Condition is based on the sum (not to exceed 8) of the sunrise to sunset cloud cover below and above 12,000 feet. Both ceilometer and satellite data must be present to compute Sky Condition. Clear = 0-2 oktas, Partly Cloudy = 3-6 oktas, Cloudy = 7-8 oktas.

A Heating (Cooling) Degree Day is the difference between the average daily temperature and 65 degrees F. The HDD season begins July 1, the CDD season begins January 1.

Dew Point is the temperature to which the air must be cooled to achieve 100% relative humidity.
Wet Bulb is the temperature the air would have if cooled to saturation at constant pressure by evaporation of water into it.

Snow Depth, Snowfall, and Sunshine data may come from nearby sites that the National Weather Service deems Climatologically representative of this site.

ADDITIONAL NOTES:

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
			SR-SS		MN-MN				
	TOTAL MINUTES	PERCENT POSSIBLE	CEILOMETER	SATELLITE	CEILOMETER	SATELLITE	MINIMUM	MAXIMUM	
01							10.00	10.00	
02							10.00	10.00	
03							7.00	10.00	
04							10.00	10.00	
05							5.00	10.00	
06							4.00	10.00	
07							9.00	10.00	
08							6.00	10.00	
09							3.00	10.00	
10							10.00	10.00	
11							10.00	10.00	
12							9.00	10.00	
13							10.00	10.00	
14							10.00	10.00	
15							5.00	10.00	
16							3.00	10.00	
17							10.00	10.00	
18							10.00	10.00	
19							10.00	10.00	
20							9.00	10.00	
21							2.50	10.00	
22							4.00	10.00	
23							.75	10.00	
24							10.00	10.00	
25							10.00	10.00	
26							10.00	10.00	
27							10.00	10.00	
28							4.00	10.00	
29							4.00	10.00	
30							10.00	10.00	
MONTHLY AVGS							7.51	10.00	

SUNSHINE (MINUTES)

Total: Possible:
Percent Possible:

NUMBER OF DAYS WITH:

SKY CONDITION

CLR	PTLY CLDY	CLOUDY	MISSING
			30

MINIMUM VISIBILITY (MILES)

<=0.25	<=3.0	>=7.0
0	4	19

OBSERVATIONS AT 3-HOURLY INTERVALS

WASHINGTON DC, DC

NOVEMBER 2005 DCA WBAN # 13743

HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE: OBSERVATION TIME (LST)	SATELLITE: EFF CLD AMT Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F: DRY BULB	TEMPERATURE °F: DEW POINT	TEMPERATURE °F: WET BULB	RELATIVE HUMIDITY (PCT)	WIND: SPEED (MPH)	WIND: DIRECTION TENS OF DEG	PRESSURE (INCHES,HG): STATION	PRESSURE (INCHES,HG): SEA LEVEL
SUNRISE: 0636						NOV 01			SUNSET: 1708					
01	CLR	NC			10.00		49	42	46	77	3	24	30.08	30.15
04	CLR	NC			10.00		50	42	46	74	12	20	30.04	30.11
07	SCT	NC			10.00		49	41	45	74	13	20	30.03	30.10
10	OVC	250			10.00		57	44	50	62	8	19	30.03	30.09
13	OVC	250			10.00		67	41	54	39	12	22	29.92	29.99
16	BKN	200			10.00		67	41	54	39	13	21	29.85	29.92
19	BKN	200			10.00		58	45	51	62	7	20	29.85	29.91
22	OVC	085			10.00		62	43	52	50	13	32	29.89	29.96
SUNRISE: 0637						NOV 02			SUNSET: 1707					
01	OVC	100			10.00		55	44	50	67	12	34	29.93	30.00
04	CLR	NC			10.00		51	42	47	71	3	32	29.97	30.03
07	FEW	NC			10.00		49	39	44	69	12	33	30.02	30.08
10	FEW	NC			10.00		56	38	47	51	15	34	30.07	30.14
13	FEW	NC			10.00		60	34	48	38	15	32	30.06	30.13
16	FEW	NC			10.00		60	34	48	38	13	33	30.08	30.15
19	CLR	NC			10.00		53	37	46	55	0	00	30.15	30.22
22	CLR	NC			10.00		48	39	44	71	5	24	30.19	30.26
SUNRISE: 0638						NOV 03			SUNSET: 1705					
01	CLR	NC			10.00		43	38	41	82	6	22	30.20	30.27
04	CLR	NC			9.00		41	38	40	89	7	23	30.19	30.26
07	SCT	NC			7.00		43	41	42	93	6	21	30.20	30.27
10	FEW	NC			10.00						12	18	30.21	
13	BKN	250			10.00		64	39	52	40	16	21	30.12	30.19
16	BKN	250			10.00		67	39	53	36	13	21	30.06	30.13
19	BKN	250			10.00		58	42	50	56	9	21	30.06	30.13
22	BKN	250			10.00		55	39	47	55	8	21	30.05	30.12
SUNRISE: 0639						NOV 04			SUNSET: 1704					
01	FEW	NC			10.00		50	39	45	66	8	21	30.02	30.09
04	CLR	NC			10.00		49	39	44	69	6	22	30.00	30.07
07	SCT	NC			10.00		47	39	43	74	5	22	29.99	30.06
10	BKN	250			10.00		56	41	49	57	7	20	30.00	30.06
13	OVC	250			10.00		63	43	53	48	9	18	29.93	30.00
16	BKN	250			10.00		65	45	54	49	6	28	29.91	29.98
19	BKN	250			10.00		57	49	53	75	9	20	29.92	29.99
22	BKN	250			10.00		59	47	53	64	9	20	29.94	30.01
SUNRISE: 0640						NOV 05			SUNSET: 1703					
01	BKN	250			10.00		57	48	52	72	6	22	29.93	30.00
04	FEW	NC			9.00		54	49	51	83	0	00	29.97	30.03
07	SCT	NC			6.00	BR	50	47	48	89	5	20	29.99	30.06
10	BKN	200			8.00		60	52	56	75	8	18	30.01	30.08
13	SCT	NC			10.00		70	53	60	55	3	17	29.97	30.04
16	SCT	NC			10.00		72	50	60	46	5	17	29.95	30.01
19	CLR	NC			9.00		63	53	57	70	0	00	29.98	30.05
22	CLR	NC			6.00	BR	57	53	55	87	0	00	29.99	30.06
SUNRISE: 0641						NOV 06			SUNSET: 1702					
01	CLR	NC			5.00	BR	55	52	53	90	0	00	29.97	30.03
04	SCT	NC			5.00	BR	54	52	53	93	3	22	29.95	30.01
07	SCT	NC			5.00	BR	54	51	52	90	5	21	29.97	30.03
10	CLR	NC			6.00	HZ	63	55	58	76	15	19	29.95	30.01
13	BKN	120			10.00		75	54	63	48	18	21	29.84	29.91
16	SCT	NC			10.00		73	54	62	51	16	19	29.78	29.85
19	BKN	095			10.00		69	54	60	59	13	21	29.83	29.90
22	BKN	065			10.00		68	45	56	44	9	30	29.94	30.01

HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE: OBSERVATION TIME (LST)	SATELLITE: EFF CLD AMT Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F: DRY BULB	TEMPERATURE °F: DEW POINT	TEMPERATURE °F: WET BULB	RELATIVE HUMIDITY (PCT)	WIND: SPEED (MPH)	WIND: DIRECTION TENS OF DEG	PRESSURE (INCHES,HG): STATION	PRESSURE (INCHES,HG): SEA LEVEL
SUNRISE: 0642						NOV 07			SUNSET: 1701					
01	CLR	NC			10.00		63	39	51	41	9	31	30.00	30.07
04	FEW	NC			10.00		59	39	49	48	17	33	30.06	30.12
07	SCT	NC			10.00		57	40	49	53	10	34	30.14	30.20
10	BKN	230			10.00		58	39	49	50	14	33	30.20	30.26
13	BKN	250			10.00		63	36	50	37	14	33	30.17	30.23
16	BKN	250			10.00		62	33	49	34	6	29	30.16	30.23
19	BKN	250			10.00		55	39	47	55	5	20	30.14	30.21
22	BKN	250			10.00		50	39	45	66	7	20	30.15	30.22
SUNRISE: 0643						NOV 08			SUNSET: 1700					
01	BKN	200			10.00		47	40	44	77	7	21	30.11	30.18
04	CLR	NC			10.00		49	43	46	80	3	23	30.10	30.16
07	FEW	NC			10.00		46	41	44	83	5	25	30.09	30.15
10	BKN	230			10.00		56	45	50	67	7	18	30.08	30.14
13	OVC	200			10.00		62	46	54	56	8	20	30.02	30.09
16	BKN	250			10.00		64	48	55	56	0	00	29.99	30.06
19	BKN	075			10.00		60	46	53	60	5	04	30.02	30.09
22	OVC	060			6.00	-RA BR	57	53	55	87	5	09	30.05	30.12
SUNRISE: 0644						NOV 09			SUNSET: 1659					
01	BKN	130			6.00	BR	55	52	53	90	3	02	30.04	30.11
04	CLR	NC			6.00	BR	53	51	52	93	3	03	30.03	30.10
07	OVC	130			7.00		54	49	51	83	9	06	30.01	30.08
10	OVC	013			6.00	HZ	57	50	53	78	3	07	29.99	30.06
13	OVC	110			4.00	BR	59	55	57	87	6	19	29.86	29.93
16	OVC	250			9.00		63	56	59	78	10	20	29.77	29.84
19	OVC	100			7.00		61	57	59	87	8	19	29.69	29.76
22	OVC	100			10.00		67	56	61	68	10	21	29.60	29.67
SUNRISE: 0645						NOV 10			SUNSET: 1659					
01	OVC	150			10.00		68	54	60	61	12	23	29.56	29.62
04	OVC	130			10.00	-RA	64	33	49	32	20	34	29.64	29.71
07	SCT	NC			10.00		55	30	44	39	22	32	29.73	29.80
10	OVC	065			10.00		53	28	42	38	20	31	29.82	29.89
13	SCT	NC			10.00		54	31	44	42	26	32	29.85	29.92
16	BKN	070			10.00		51	26	41	38	18	30	29.90	29.97
19	SCT	NC			10.00		48	24	39	39	17	33	29.98	30.05
22	SCT	NC			10.00		43	25	36	49	7	36	30.02	30.09
SUNRISE: 0647						NOV 11			SUNSET: 1658					
01	BKN	250			10.00		44	25	37	47	6	28	30.03	30.10
04	FEW	NC			10.00		39	28	35	65	7	26	30.04	30.11
07	FEW	NC			10.00		38	28	34	68	5	25	30.08	30.14
10	SCT	NC			10.00		50	31	42	48	10	33	30.12	30.19
13	BKN	055			10.00		53	30	43	41	13	29	30.08	30.15
16	FEW	NC			10.00		54	27	43	35	13	30	30.07	30.14
19	CLR	NC			10.00		51	25	40	36	0	00	30.12	30.19
22	BKN	250			10.00		45	30	39	56	5	25	30.15	30.22
SUNRISE: 0648						NOV 12			SUNSET: 1657					
01	BKN	250			10.00		41	33	38	74	5	26	30.18	30.24
04	CLR	NC			10.00		39	33	37	79	3	25	30.20	30.27
07	FEW	NC			9.00		38	31	35	76	3	25	30.25	30.31
10	SCT	NC			10.00		49	40	45	71	5	16	30.28	30.35
13	SCT	NC			10.00		59	32	47	36	12	19	30.22	30.29
16	BKN	250			10.00		59	36	48	42	9	19	30.20	30.27
19	CLR	NC			10.00		53	32	44	45	9	18	30.22	30.29
22	CLR	NC			10.00		50	39	45	66	8	19	30.24	30.31

OBSERVATIONS AT 3-HOURLY INTERVALS

WASHINGTON DC, DC

NOVEMBER 2005 DCA WBAN # 13743

HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE: OBSERVATION TIME (LST)	SATELLITE: EFF CLD AMT Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F: DRY BULB	TEMPERATURE °F: DEW POINT	TEMPERATURE °F: WET BULB	RELATIVE HUMIDITY (PCT)	WIND: SPEED (MPH)	WIND: DIRECTION TENS OF DEG	PRESSURE (INCHES,HG): STATION	PRESSURE (INCHES,HG): SEA LEVEL
					SUNRISE: 0649	NOV 13			SUNSET: 1656					
01	FEW	NC			10.00		48	39	44	71	8	18	30.23	30.30
04	FEW	NC			10.00		48	35	42	61	13	19	30.20	30.27
07	SCT	NC			10.00		46	35	41	66	9	20	30.21	30.28
10	BKN	250			10.00		57	39	48	51	10	19	30.21	30.28
13	SCT	NC			10.00		66	44	55	45	12	19	30.14	30.21
16	BKN	250			10.00		67	43	54	42	10	20	30.11	30.17
19	BKN	250			10.00		59	49	54	69	8	20	30.11	30.18
22	BKN	110			10.00		60	50	55	70	14	19	30.12	30.19
					SUNRISE: 0650	NOV 14			SUNSET: 1655					
01	OVC	095			10.00		60	49	54	67	6	23	30.10	30.17
04	SCT	NC			10.00		57	51	54	81	7	21	30.13	30.19
07	SCT	NC			10.00		54	50	52	87	5	21	30.18	30.25
10	BKN	120			10.00		62	52	57	70	5	36	30.25	30.32
13	BKN	120			10.00		64	37	51	37	7	32	30.25	30.32
16	OVC	100			10.00		63	37	50	38	6	36	30.24	30.31
19	BKN	100			10.00		58	41	50	54	7	07	30.25	30.32
22	OVC	034			10.00		58	38	48	48	7	07	30.26	30.33
					SUNRISE: 0651	NOV 15			SUNSET: 1654					
01	OVC	043			10.00	-RA	57	38	48	49	5	18	30.21	30.28
04	BKN	060			10.00		56	46	51	70	5	36	30.17	30.24
07	BKN	140			10.00		55	48	51	77	0	00	30.18	30.25
10	OVC	011			5.00	HZ	60	55	57	84	10	19	30.17	30.24
13	OVC	026			8.00		66	59	62	78	13	24	30.12	30.19
16	BKN	047			10.00		67	59	62	76	6	19	30.06	30.13
19	OVC	039			10.00		67	59	62	76	10	19	30.04	30.11
22	SCT	NC			10.00		65	59	61	81	13	19	30.03	30.09
					SUNRISE: 0652	NOV 16			SUNSET: 1654					
01	BKN	019			10.00		65	60	62	84	14	20	29.99	30.06
04	BKN	150			10.00		62	59	60	90	13	19	29.98	30.04
07	OVC	021			10.00		66	60	62	81	14	19	29.93	29.99
10	OVC	028			10.00		68	60	63	76	16	20	29.90	29.97
13	OVC	090			10.00		75	59	65	58	21	21	29.80	29.87
16	OVC	040			10.00	-RA	59	55	57	87	22	34	29.82	29.88
19	OVC	041			3.00	+RA	49	44	47	83	15	35	29.94	30.00
22	OVC	060			10.00		47	39	43	74	8	34	30.02	30.09
					SUNRISE: 0653	NOV 17			SUNSET: 1653					
01	SCT	NC			10.00		44	29	38	55	8	33	30.08	30.14
04	CLR	NC			10.00		39	24	33	55	10	34	30.11	30.18
07	SCT	NC			10.00		37	21	31	52	7	30	30.17	30.23
10	SCT	NC			10.00		40	22	33	49	12	34	30.22	30.29
13	FEW	NC			10.00		42	19	34	40	15	32	30.21	30.28
16	FEW	NC			10.00		42	16	33	35	15	31	30.22	30.29
19	CLR	NC			10.00		36	15	29	42	20	34	30.29	30.36
22	CLR	NC			10.00		33	14	27	45	15	33	30.33	30.40
					SUNRISE: 0654	NOV 18			SUNSET: 1652					
01	CLR	NC			10.00		30	14	25	51	13	32	30.34	30.41
04	CLR	NC			10.00		29	14	24	54	13	33	30.34	30.41
07	CLR	NC			10.00		28	14	24	56	12	34	30.38	30.44
10	CLR	NC			10.00		34	16	28	48	10	36	30.39	30.45
13	FEW	NC			10.00		39	16	31	39	5	28	30.31	30.38
16	FEW	NC			10.00		40	12	31	32	8	30	30.27	30.34
19	FEW	NC			10.00		38	14	30	37	5	26	30.28	30.35
22	CLR	NC			10.00		34	20	29	56	5	24	30.28	30.35

HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE: OBSERVATION TIME (LST)	SATELLITE: EFF CLD AMT Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F: DRY BULB	TEMPERATURE °F: DEW POINT	TEMPERATURE °F: WET BULB	RELATIVE HUMIDITY (PCT)	WIND: SPEED (MPH)	WIND: DIRECTION TENS OF DEG	PRESSURE (INCHES,HG): STATION	PRESSURE (INCHES,HG): SEA LEVEL
					SUNRISE: 0655	NOV 19			SUNSET: 1652					
01	CLR	NC			10.00		33	22	29	64	3	23	30.29	30.36
04	CLR	NC			10.00		32	24	29	73	0	00	30.29	30.36
07	CLR	NC			10.00		31	25	29	79	0	00	30.33	30.40
10	FEW	NC			10.00		39	27	34	62	8	18	30.35	30.42
13	SCT	NC			10.00		48	19	37	32	9	19	30.29	30.36
16	BKN	250			10.00		49	22	38	35	8	19	30.26	30.32
19	BKN	250			10.00		45	24	37	44	3	19	30.26	30.33
22	SCT	NC			10.00		42	27	36	55	0	00	30.27	30.34
					SUNRISE: 0656	NOV 20			SUNSET: 1651					
01	OVC	130			10.00		41	27	36	57	6	21	30.26	30.32
04	BKN	150			10.00		38	27	34	65	6	25	30.24	30.31
07	SCT	NC			10.00		35	28	32	76	6	25	30.25	30.31
10	FEW	NC			10.00		45	30	39	56	3	16	30.25	30.32
13	FEW	NC			10.00		54	31	44	42	6	17	30.18	30.25
16	CLR	NC			10.00		57	29	45	34	8	21	30.13	30.20
19	FEW	NC			10.00		51	35	44	54	5	20	30.13	30.19
22	BKN	120			9.00		45	34	40	66	5	24	30.10	30.17
					SUNRISE: 0658	NOV 21			SUNSET: 1651					
01	BKN	120			10.00		47	36	42	66	3	25	30.05	30.11
04	BKN	100			10.00		45	38	42	77	5	22	29.98	30.05
07	OVC	120			9.00		46	41	44	83	3	02	29.94	30.01
10	OVC	110			8.00		49	42	46	77	0	00	29.91	29.98
13	OVC	036			6.00	-RA	49	44	47	83	8	20	29.83	29.90
16	OVC	045			2.50	-RA BR	48	45	47	89	8	03	29.69	29.75
19	OVC	006			3.00	-RA BR	47	44	46	90	10	03	29.58	29.64
22	OVC	008			3.00	-RA BR	47	45	46	93	14	36	29.42	29.49
					SUNRISE: 0659	NOV 22			SUNSET: 1650					
01	OVC	012			6.00	-RA BR	47	44	46	90	15	36	29.31	29.38
04	OVC	050			7.00	-RA	45	41	43	86	17	36	29.22	29.28
07	OVC	055			10.00	-RA	43	38	41	82	18	33	29.18	29.24
10	OVC	030			4.00	-RA	43	38	41	82	16	30	29.24	29.31
13	BKN	130			10.00		49	34	42	57	30	32	29.22	29.29
16	BKN	070			10.00		48	25	39	41	18	32	29.31	29.38
19	BKN	150			10.00		43	21	35	42	14	32	29.42	29.48
22	BKN	250			10.00		40	20	33	45	16	31	29.48	29.55
					SUNRISE: 0660	NOV 23			SUNSET: 1650					
01	SCT	NC			10.00		36	16	29	44	18	32	29.54	29.60
04	CLR	NC			10.00		33	10	26	38	20	32	29.61	29.67
07	FEW	NC			10.00		31	9	24	40	8	29	29.66	29.72
10	BKN	250			10.00		35	13	28	40	17	29	29.70	29.76
13	OVC	250			10.00		39	14	31	36	12	28	29.63	29.69
16	BKN	150			10.00		39	15	31	38	10	22	29.58	29.65
19	OVC	032			8.00	-SN	36	24	32	62	13	23	29.55	29.62
22	OVC	006			0.75	-SN BR	33	31	32	92	14	18	29.48	29.54
					SUNRISE: 0701	NOV 24			SUNSET: 1649					
01	OVC	090			10.00		35	32	34	89	16	21	29.33	29.40
04	SCT	NC			10.00		36	31	34	82	13	23	29.28	29.34
07	OVC	055			10.00		38	31	35	76	10	23	29.31	29.38
10	OVC	065			10.00		41	33	38	74	8	18	29.32	29.39
13	OVC	075			10.00		48	37	43	66	8	23	29.26	29.33
16	BKN	080			10.00		51	28	41	41	20	33	29.38	29.45
19	FEW	NC			10.00		32	14	26	47	30	33	29.62	29.69
22	BKN	075			10.00		27	2	21	34	16	35	29.84	29.91

OBSERVATIONS AT 3-HOURLY INTERVALS

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NOVEMBER 2005 DCA WBAN # 13743

HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE OBSERVATION TIME (LST)	SATELLITE EFF CLD AMT Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F DRY BULB	TEMPERATURE °F DEW POINT	TEMPERATURE °F WET BULB	RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH)	WIND DIRECTION TENS OF DEG	PRESSURE (INCHES,HG) STATION	PRESSURE (INCHES,HG) SEA LEVEL
SUNRISE: 0702 NOV 25 SUNSET: 1649														
01	SCT	NC			10.00		24	-1	18	33	16	33	29.95	30.02
04	BKN	250			10.00		23	-4	17	30	12	29	30.04	30.11
07	BKN	250			10.00		22	-3	16	33	8	28	30.14	30.21
10	BKN	250			10.00		28	1	21	31	14	31	30.24	30.30
13	SCT	NC			10.00		33	4	25	29	13	31	30.23	30.30
16	FEW	NC			10.00		34	4	26	28	6	31	30.23	30.30
19	CLR	NC			10.00		30	10	24	43	5	22	30.29	30.35
22	FEW	NC			10.00		30	10	24	43	0	00	30.31	30.37
SUNRISE: 0703 NOV 26 SUNSET: 1648														
01	FEW	NC			10.00		28	15	24	58	0	00	30.30	30.36
04	OVC	200			10.00		30	11	24	45	5	14	30.29	30.36
07	BKN	200			10.00		29	18	25	64	3	23	30.31	30.38
10	SCT	NC			10.00		37	20	31	50	14	18	30.31	30.38
13	FEW	NC			10.00		44	20	35	38	10	18	30.23	30.30
16	CLR	NC			10.00		45	23	37	42	10	19	30.19	30.26
19	SCT	NC			10.00		41	22	34	47	0	00	30.22	30.29
22	OVC	100			10.00		40	26	35	58	6	20	30.22	30.29
SUNRISE: 0704 NOV 27 SUNSET: 1648														
01	BKN	095			10.00		38	29	34	70	6	19	30.22	30.29
04	CLR	NC			10.00		38	26	33	62	0	00	30.22	30.29
07	SCT	NC			10.00		35	29	33	78	0	00	30.26	30.32
10	OVC	250			10.00		42	30	37	62	3	17	30.28	30.35
13	OVC	250			10.00		53	27	42	37	7	21	30.22	30.29
16	OVC	034			10.00		52	28	42	40	3	24	30.21	30.28
19	OVC	026			10.00		49	38	44	66	8	06	30.21	30.27
22	BKN	110			10.00		49	39	44	69	6	04	30.19	30.26
SUNRISE: 0705 NOV 28 SUNSET: 1648														
01	BKN	049			10.00	-DZ	47	42	45	83	8	06	30.20	30.26
04	OVC	090			9.00		47	43	45	86	3	04	30.18	30.24
07	OVC	049			5.00	-DZ BR	47	45	46	93	8	05	30.17	30.23
10	OVC	070			9.00		56	53	54	90	0	00	30.14	30.21
13	OVC	035			10.00		64	56	59	75	13	20	30.08	30.15
16	OVC	039			10.00		65	55	59	70	13	15	30.03	30.10
19	OVC	100			10.00		62	55	58	78	12	16	30.04	30.11
22	OVC	033			10.00		63	55	58	76	10	18	30.04	30.11
SUNRISE: 0706 NOV 29 SUNSET: 1647														
01	OVC	050			10.00		63	55	58	76	20	18	30.01	30.08
04	BKN	120			10.00		63	54	58	73	17	17	29.97	30.03
07	OVC	065			10.00		64	56	59	75	21	17	29.94	30.01
10	OVC	100			10.00		65	55	59	70	17	16	29.90	29.97
13	OVC	050			10.00		67	57	61	71	23	17	29.79	29.86
16	OVC	036			10.00		66	58	61	75	15	17	29.73	29.80
19	OVC	035			10.00		66	58	61	75	30	19	29.71	29.78
22	OVC	021			10.00	-RA	63	62	62	97	10	21	29.75	29.82
SUNRISE: 0707 NOV 30 SUNSET: 1647														
01	OVC	036			10.00		53	50	51	89	8	36	29.81	29.88
04	FEW	NC			10.00		48	47	47	96	7	35	29.86	29.93
07	BKN	048			10.00		48	41	45	77	14	34	29.90	29.96
10	SCT	NC			10.00		50	37	44	61	17	35	29.95	30.02
13	BKN	050			10.00		51	36	44	56	13	35	29.93	29.99
16	FEW	NC			10.00		51	35	44	54	17	33	29.94	30.01
19	CLR	NC			10.00		45	30	39	56	18	36	29.99	30.06
22	CLR	NC			10.00		40	29	36	65	13	36	30.03	30.10

HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE OBSERVATION TIME (LST)	SATELLITE EFF CLD AMT Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F DRY BULB	TEMPERATURE °F DEW POINT	TEMPERATURE °F WET BULB	RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH)	WIND DIRECTION TENS OF DEG	PRESSURE (INCHES,HG) STATION	PRESSURE (INCHES,HG) SEA LEVEL
SUNRISE: NOV 31 SUNSET:														

3-HOURLY OBSERVATION NOTES

Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8, SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, VV = Vertical Visibilty = 8/8.
Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet. NC= No ceiling detected.
& = Original observation contained additional weather elements.
See page 3 for additional notes.

SUMMARY BY HOUR

HOUR (LST)	AVERAGES CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES,HG) STATION	PRESSURE (INCHES,HG) SEA LEVEL	VISIBILITY (MILES)	WIND SPEED (MPH)	RESULTANT WIND (MPH) SPEED	RESULTANT WIND (MPH) DIRECTION
01			47	37	43	68	30.01	30.08	9.57	8	3	26
02			47	37	43	69	30.01	30.08	9.60	7	3	29
03			46	36	42	69	30.01	30.08	9.63	7	3	28
04			46	36	42	70	30.01	30.08	9.50	8	3	28
05			45	35	41	71	30.01	30.08	9.43	8	3	29
06			45	35	41	71	30.02	30.09	9.37	8	4	29
07			44	35	41	72	30.03	30.10	9.27	8	3	27
08			46	36	42	69	30.04	30.11	9.07	8	3	27
09			48	37	44	66	30.05	30.12	9.00	9	3	26
10			51	37	45	62	30.05	30.11	9.20	10	3	25
11			53	37	46	57	30.04	30.11	9.47	11	5	24
12			55	37	47	53	30.01	30.08	9.50	11	5	25
13			57	37	48	50	29.99	30.06	9.60	12	6	25
14			58	37	48	48	29.97	30.04	9.60	11	5	24
15			58	37	48	47	29.97	30.04	9.68	11	5	24
16			57	36	47	48	29.97	30.04	9.72	11	4	27
17			54	35	46	51	29.98	30.05	9.70	11	4	27
18			53	36	46	55	29.99	30.06	9.50	9	2	27
19			51	37	45	59	30.00	30.06	9.33	10	2	26
20			50	37	45	60	30.00	30.06	9.23	9	3	26
21			50	37	44	63	30.01	30.08	9.21	9	3	26
22			49	37	44	64	30.01	30.08	9.16	9	2	26
23			48	36	43	65	30.01	30.08	9.50	9	3	26
24			47	36	42	66	30.01	30.08	9.67	9	2	28

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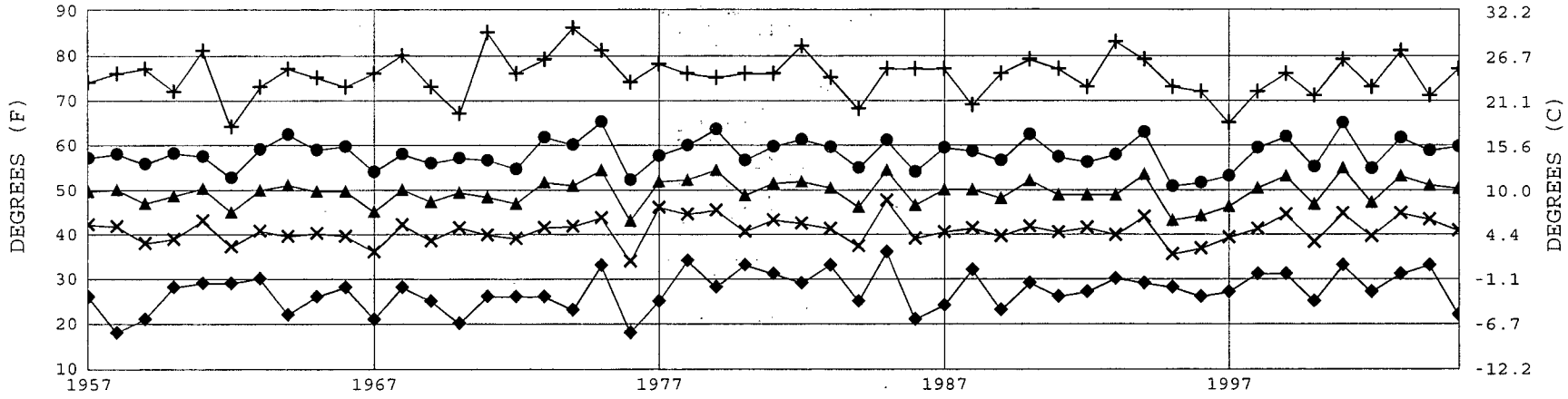
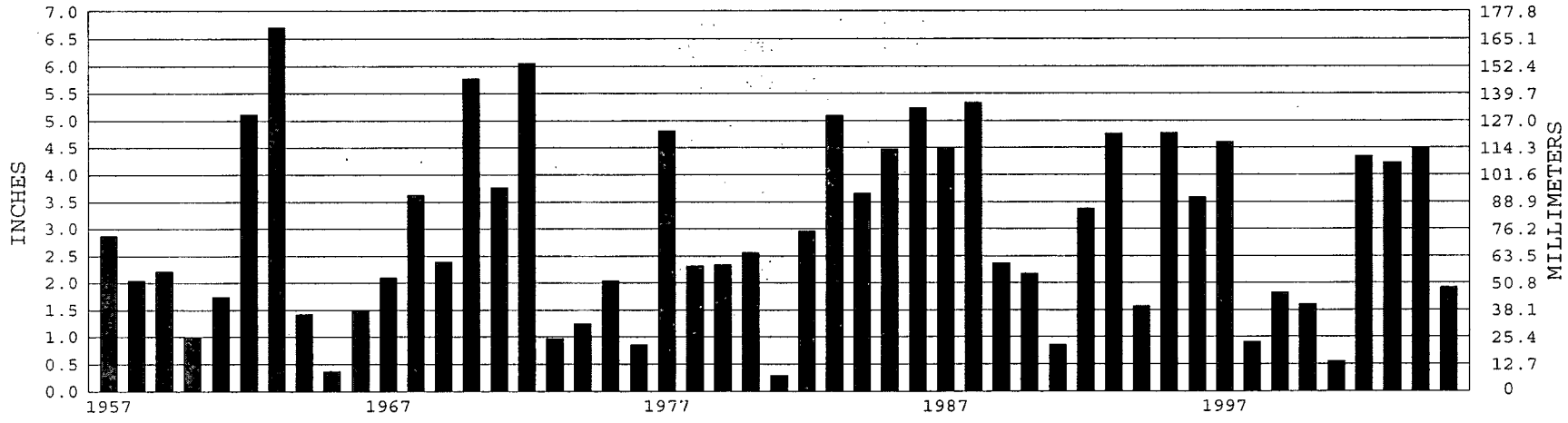
WASHINGTON DC, DC NOVEMBER TEMPERATURES



+ Extreme Max. ● Mean Max. ▲ Mean × Mean Min. ◆ Extreme Min.

Long-Term (1957-2005) Mean: 49.4 1971-2000 Normal: 48.7

WASHINGTON DC, DC NOVEMBER PRECIPITATION



Long-Term (1957-2005) Mean Monthly Total: 2.96 1971-2000 Normal: 3.03

NOVEMBER 2005

WASHINGTON DC, DC

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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Thomas R Karl

DIRECTOR

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DECEMBER 2005
LOCAL CLIMATOLOGICAL DATA
NOAA, National Climatic Data Center

WASHINGTON DC, DC
RONALD REAGAN WASH NTL APT (DCA)
Lat: 38°51' N Long: 77°02' W Elev (Ground): 10 Feet
Time Zone: EASTERN WBAN: 13743 ISSN #:0198-1188

DATE	TEMPERATURE F MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	DEG DAYS BASE 65 HEATING	COOLING	WEATHER	SNOW/ICE ON GND(IN) 0700 LST DEPTH	1300 LST WATER EQUIV	PRECIPITATION (INCHES) 2400 LST SNOW-FALL	2400 LST WATER EQUIV	PRESSURE (INCHES OF HG) AVERAGE STATION	AVERAGE SEA LEVEL	WIND SPEED = MPH DIR = TENS OF DEGREES RESULTANT SPEED	RES DIR	AVERAGE SPEED	MAXIMUM 5-SEC SPEED	DIR	2-MIN SPEED	DIR	DATE
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
01	45	33	39	-5	28	35	26	0	RA	0		0.0	T	29.86	29.93	6.4	33	8.4	17	32	16	27	01
02	42	29	36	-7	18	30	29	0		0		0.0	0.00	29.84	29.91	12.1	30	13.0	37*	31	25	31	02
03	38	26	32	-11	11	26	33	0	RA SN PL	0		0.1	0.03	30.09	30.16	5.5	28	8.5	22	30	17	30	03
04	51	35	43	0	35	39	22	0	RA PL BR	0		T	0.21	29.85	29.91	5.0	32	11.5	30	33	22	35	04
05	40	30	35	-7	27	32	30	0	SN FG FZFG BR	0		1.4	0.15	30.06	30.13	9.0	04	10.4	22	01	17	36	05
06	37	29	33	-9	22	29	32	0	SN BR	3	0.1	1.5	0.02	30.11	30.17	7.8	32	8.8	25	32	22	33	06
07	37	26	32	-9	15	26	33	0		1		0.0	0.00	30.43	30.50	11.2	33	11.5	26	30	22	31	07
08	33	23	28	-13	15	24	37	0	SN	0		T	T	30.58	30.65	1.1	01	7.1	17	33	15	36	08
09	39	27	33	-8	23	30	32	0	RA FZRA SN PL FZFG BR	1		1.6	0.55	30.12	30.18	8.8	32	11.2	33	31	25	32	09
10	40	23	32	-9	23	29	33	0		T		0.0	0.00	29.97	30.04	6.7	20	8.3	20	19	17	19	10
11	48	27	38	-3	27	33	27	0	RA	0		0.0	T	29.63	29.69	5.4	24	6.9	22	32	18	29	11
12	40	28	34	-6	20	30	31	0		0		0.0	0.00	29.81	29.87	10.1	32	10.8	23	34	18	01	12
13	32	22	27	-13	10	22	38	0		0		0.0	0.00	30.22	30.28	11.1	36	11.7	23	01	20	01	13
14	26	19*	23*	-17	10	20	42	0		0		0.0	0.00	30.40	30.47	6.3	05	6.9	14	04	13	01	14
15	44	26	35	-5	26	30	30	0	RA FZRA FZDZ SN PL BR	0		0.2	0.93	30.05	30.11	7.0	05	8.0	17	07	13	08	15
16	48	35	42	3	30	36	23	0	RA BR	0		0.0	0.30	29.87	29.94	8.3	30	9.9	24	33	18	30	16
17	46	31	39	0	26	33	26	0		0		0.0	0.00	30.39	30.46	1.8	27	4.7	17	33	14	33	17
18	46	32	39	0	26	33	26	0		0		0.0	0.00	30.40	30.47	2.4	04	3.8	12	36	10	36	18
19	41	25	33	-6	22	29	32	0		0		0.0	0.00	30.22	30.29	5.6	32	8.5	30	32	26	32	19
20	39	24	32	-6	5	24	33	0		0		0.0	0.00	30.16	30.23	7.9	30	8.8	23	29	17	32	20
21	38	25	32	-6	14	26	33	0		0		0.0	0.00	30.17	30.24	5.3	31	7.8	23	33	16	31	21
22	41	27	34	-4	21	29	31	0		0		0.0	0.00	30.18	30.24	5.7	20	6.7	16	19	14	19	22
23	52	26	39	1	24	33	26	0		0		0.0	0.00	29.94	30.01	6.0	19	6.7	15	19	15	19	23
24	58*	33	46	8	26	36	19	0		0		0.0	0.00	29.86	29.92	2.1	19	2.6	9	18	9	17	24
25	44	30	37	0	36	37	28	0	RA BR	0		0.0	0.77	29.59	29.65	2.5	02	3.5	33	31	23	31	25
26	48	38	43	6	34	39	22	0	RA DZ MIFG BR	0		0.0	0.03	29.49	29.55	9.6	29	11.8	36	31	28*	32	26
27	47	36	42	5	28	36	23	0		0		0.0	0.00	29.86	29.93	7.2	30	8.9	30	32	21	33	27
28	52	33	43	6	34	39	22	0		0		0.0	0.00	29.70	29.77	3.8	19	4.0	13	24	10	25	28
29	51	43	47*	10	42	45	18	0	RA DZ FG+ MIFG BR	0		0.0	0.34	29.42	29.48	6.3	30	8.2	29	30	21	30	29
30	48	38	43	7	33	39	22	0		0		0.0	0.00	29.78	29.84	7.8	31	8.5	29	31	22	31	30
31	48	38	43	7	36	39	22	0	RA BR	0		0.0	0.01	29.75	29.81	0.4	05	4.2	13	31	10	20	31
	43.2	29.6	36.4		24.1	31.9	28.4	0.0	< MONTHLY AVERAGES	TOTALS->		4.8	3.34	29.99	30.06	3.9	31	8.1	<- MONTHLY AVERAGES				
	-3.8	-2.4	-3.1		<----------DEPARTURE FROM NORMAL---------->								0.29	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									

DEGREE DAYS

	MONTHLY TOTAL	MONTHLY DEPARTURE	SEASON TO DATE TOTAL	SEASON TO DATE DEPARTURE
HEATING:	881	106	1504	21
COOLING:	0	0	1705	174

GREATEST 24-HR PRECIPITATION: 1.23 DATE: 15-16
GREATEST 24-HR SNOWFALL: 1.6 DATE: 09
GREATEST SNOW DEPTH: 3 DATE: 06

		DATE	TIME
SEA LEVEL PRESSURE MAXIMUM	30.76	08	0851
MINIMUM	29.38	29	1251

NUMBER OF DAYS WITH →
MAXIMUM TEMP ≥ 90: 0
MAXIMUM TEMP ≤ 32: 2
THUNDERSTORMS: 0
MINIMUM TEMP ≤ 32: 21
MINIMUM TEMP ≤ 0: 0
HEAVY FOG: 1
PRECIPITATION ≥ 0.01 INCH: 11
PRECIPITATION ≥ 0.10 INCH: 7
SNOWFALL ≥ 1.0 INCH: 3

DECEMBER 2005
WASHINGTON DC, DC

Ton Mans

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

WASHINGTON DC, DC

DECEMBER 2005 DCA WBAN # 13743

DATE	FOR HOUR (LST) ENDING AT												DATE	FOR HOUR (LST) ENDING AT												DATE	Sum If Different (See Note)	2400 LST Water Equiv.
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24			
01													01								T			T	T	01		T
02													02													02		0.00
03													03											T	0.03	03		0.03
04	0.02	0.01	0.03	0.06	0.08	0.01	T						04													04		0.21
05													05			T	0.02	0.03	0.05	T	T	0.01	0.01	0.01	0.02	05		0.15
06	T	0.01	0.01	T	T								06													06		0.02
07													07													07		0.00
08													08												T	08		T
09	T	0.02	0.06	0.12	0.09	0.16	0.10	T					09													09		0.55
10													10													10		0.00
11													11								T					11		T
12													12													12		0.00
13													13													13		0.00
14													14													14		0.00
15										T	T	0.02	15	0.02	0.01	0.04	0.05	0.04	0.02	0.06	0.14	0.12	0.13	0.19	0.09	15		0.93
16	0.15	0.15	T										16													16		0.30
17													17													17		0.00
18													18													18		0.00
19													19													19		0.00
20													20													20		0.00
21													21													21		0.00
22													22													22		0.00
23													23													23		0.00
24													24													24		0.00
25											0.03	0.24	25	0.09	0.03	0.05	0.28	0.05								25		0.77
26	T			0.01	0.02	T	T	T					26	T	T											26		0.03
27													27													27		0.00
28													28													28		0.00
29	T	0.07	0.04	0.02	0.02			T	0.04	0.10	0.03	0.02	29	T				T			T	T				29		0.34
30													30													30		0.00
31							T	0.01					31													31		0.01

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.09	.13	.16	.18	.24	.27	.30	.33	.33	.37	.42	.46
Ending Date	25	25	25	25	25	25	25	25	25	25	15	15
Ending Time (Hour/Min)	1531	1536	1538	1542	1552	1603	1603	1610	1212	1603	2248	2308

Date and time are not entered for TRACE amounts.

Note : The sum of the hourly totals is given when it differs from the daily total. NWS does not edit ASOS hourly values but may edit daily and monthly totals. Hourly, daily, and monthly totals are printed as reported by the ASOS site.

REFERENCE NOTES & SUPPLEMENTAL SUMMARIES

* = Extreme for the month (last occurence if more than one)
T = Trace precipitation amount
+ = also occurs on earlier date
FG+ = Heavy fog, visibility .25 miles or less
BLANK entries denote missing or unreported data

Resultant wind is the vector sum of the wind speeds and directions divided by the number of observations.

Wind direction is recorded in tens of degrees (2 digits) clockwise from true north. '00' = calm, 'VR' = variable.

Precipitation is for the 24-hour period ending at the time indicated in the column heading.

Water Equivalent of snow on the ground is reported only when the depth is 2 or more inches.

NORMALS ARE FOR THE YEARS 1971-2000

WEATHER NOTATIONS

QUALIFIER	WEATHER PHENOMENA		
DESCRIPTOR	PRECIPITATION	OBSCURATION	OTHER
BC Patches	DZ Drizzle	BR Mist	DS Duststorm
BL Blowing	GR Hail	DU Widespread Dust	FC Funnel Cloud
DR Low Drifting	GS Small Hail and/or Snow Pellets	FG Fog	+FC Tornado Waterspout
FZ Freezing	IC Ice Crystals	FU Smoke	PO Well-Developed Dust/Sand Whirls
MI Shallow	PL Ice Pellets	HZ Haze	SQ Squalls
PR Partial	RA Rain	PY Spray	SS Sandstorm
SH Shower(s)	SG Snow Grains	SA Sand	GL Glaze
TS Thunderstorm	SN Snow	VA Volcanic Ash	
VC In the Vicinity	UP Unknown Precipitation		

Intensity (as indicated on pages 4 to 6):
'+' = Heavy ' ' = Moderate '-' = Light

WASHINGTON DC, DC
DECEMBER 2005

Ceilometer (30-second) data are used to derive cloudiness at or below 12,000 feet. This cloudiness is the mean cloud cover detected during sunrise to sunset (SR-SS), or midnight to midnight (MN-MN).

Satellite data are used to derive cloudiness above 12,000 feet. Effective Cloud Amount is based on the cloud cover and the transparency of the clouds within the satellite field of view (approx. 31x31 miles).

Sky Condition is based on the sum (not to exceed 8) of the sunrise to sunset cloud cover below and above 12,000 feet. Both ceilometer and satellite data must be present to compute Sky Condition. Clear = 0-2 oktas, Partly Cloudy = 3-6 oktas, Cloudy = 7-8 oktas.

A Heating (Cooling) Degree Day is the difference between the average daily temperature and 65 degrees F. The HDD season begins July 1, the CDD season begins January 1.

Dew Point is the temperature to which the air must be cooled to achieve 100% relative humidity.
Wet Bulb is the temperature the air would have if cooled to saturation at constant pressure by evaporation of water into it.

Snow Depth, Snowfall, and Sunshine data may come from nearby sites that the National Weather Service deems Climatologically representative of this site.

ADDITIONAL NOTES:

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
			SR-SS		MN-MN				
	TOTAL MINUTES	PERCENT POSSIBLE	CEILOMETER	SATELLITE	CEILOMETER	SATELLITE	MINIMUM	MAXIMUM	
01							10.00	10.00	
02							10.00	10.00	
03							8.00	10.00	
04							6.00	10.00	
05							.50	10.00	
06							1.50	10.00	
07							10.00	10.00	
08							10.00	10.00	
09							.50	10.00	
10							8.00	10.00	
11							9.00	10.00	
12							10.00	10.00	
13							10.00	10.00	
14							10.00	10.00	
15							.75	10.00	
16							3.00	10.00	
17							10.00	10.00	
18							8.00	10.00	
19							7.00	10.00	
20							10.00	10.00	
21							10.00	10.00	
22							10.00	10.00	
23							10.00	10.00	
24							9.00	10.00	
25							1.00	10.00	
26							2.50	10.00	
27							10.00	10.00	
28							7.00	10.00	
29							.75	10.00	
30							10.00	10.00	
31							5.00	10.00	
MONTHLY AVGS							7.02	10.00	

SUNSHINE (MINUTES)

Total: Possible:
Percent Possible:

NUMBER OF DAYS WITH:

SKY CONDITION

CLR	PTLY CLDY	CLOUDY	MISSING
			31

MINIMUM VISIBILITY (MILES)

<=0.25	<=3.0	>=7.0
0	8	21

OBSERVATIONS AT 3–HOURLY INTERVALS

WASHINGTON DC, DC

DECEMBER 2005 DCA WBAN # 13743

HOUR (LST)	SKY COVER	CEILING 100S OF FT	SATELLITE OBSERVATION TIME (LST)	SATELLITE EFF CLD AMT Ok/Ok	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH)	DIRECTION TENS OF DEG	PRESSURE (INCHES,HG) STATION	SEA LEVEL
					SUNRISE: 0708	DEC 01	SUNSET: 1647							
01	CLR	NC			10.00		37	27	33	67	14	36	30.03	30.09
04	CLR	NC			10.00		35	26	32	70	10	34	30.01	30.07
07	BKN	250			10.00		34	26	31	73	12	34	29.99	30.06
10	OVC	250			10.00		39	28	35	65	12	01	29.96	30.02
13	OVC	050			10.00		42	29	37	60	3	10	29.81	29.88
16	OVC	040			10.00		43	29	37	58	6	28	29.72	29.79
19	OVC	038			10.00		42	29	37	60	9	28	29.73	29.80
22	OVC	075			10.00		40	32	37	73	9	31	29.73	29.80
					SUNRISE: 0709	DEC 02	SUNSET: 1647							
01	FEW	NC			10.00		38	28	34	68	7	30	29.72	29.79
04	FEW	NC			10.00		36	27	33	70	6	23	29.72	29.78
07	BKN	065			10.00		37	27	33	67	10	28	29.76	29.83
10	SCT	NC			10.00		41	19	33	41	15	30	29.80	29.87
13	BKN	070			10.00		39	14	31	36	18	32	29.81	29.88
16	FEW	NC			10.00		36	10	28	34	23	32	29.88	29.94
19	FEW	NC			10.00		32	11	26	41	15	29	29.96	30.02
22	CLR	NC			10.00		30	11	24	45	16	30	30.01	30.07
					SUNRISE: 0710	DEC 03	SUNSET: 1646							
01	CLR	NC			10.00		28	11	23	49	7	24	30.05	30.11
04	SCT	NC			10.00		27	11	22	51	5	29	30.09	30.15
07	SCT	NC			10.00		27	11	22	51	13	31	30.15	30.22
10	BKN	150			10.00		31	8	24	38	12	32	30.19	30.25
13	BKN	250			10.00		37	6	28	27	8	29	30.11	30.17
16	OVC	110			10.00		36	9	28	32	9	25	30.09	30.15
19	OVC	095			10.00		36	14	29	40	5	21	30.06	30.13
22	OVC	085			10.00		35	14	28	42	5	18	30.01	30.08
					SUNRISE: 0711	DEC 04	SUNSET: 1646							
01	OVC	048			10.00	-RA	36	30	34	79	12	18	29.90	29.96
04	OVC	048			6.00	-RA BR	37	35	36	93	10	18	29.78	29.85
07	OVC	008			10.00		39	38	39	96	7	21	29.69	29.76
10	BKN	013			10.00		44	39	42	83	10	24	29.72	29.78
13	SCT	NC			8.00		49	42	46	77	10	34	29.74	29.81
16	SCT	NC			10.00		47	35	42	63	14	34	29.86	29.93
19	FEW	NC			10.00		41	31	37	67	14	34	29.99	30.05
22	OVC	120			10.00		41	29	36	62	14	34	30.04	30.11
					SUNRISE: 0712	DEC 05	SUNSET: 1646							
01	OVC	110			10.00		39	28	35	65	9	36	30.08	30.14
04	OVC	120			10.00		38	24	33	57	9	36	30.11	30.17
07	OVC	110			10.00		38	23	32	55	9	03	30.13	30.19
10	OVC	120			10.00		38	28	34	68	13	07	30.14	30.21
13	OVC	075			10.00		37	22	32	54	10	09	30.07	30.13
16	OVC	015			1.00	-SN BR	31	30	31	96	10	06	30.06	30.12
19	OVC	016			2.00	-SN BR	31	30	31	96	10	03	30.01	30.08
22	OVC	010			3.00	-SN BR	31	29	30	92	14	01	29.96	30.03
					SUNRISE: 0712	DEC 06	SUNSET: 1646							
01	OVC	012			3.00	-SN BR	30	29	30	96	12	34	29.94	30.00
04	OVC	100			5.00	-SN BR	30	28	29	92	10	34	29.98	30.05
07	BKN	038			9.00		32	25	29	75	9	33	30.03	30.09
10	SCT	NC			10.00		33	22	29	64	14	33	30.10	30.17
13	FEW	NC			10.00		36	19	30	50	9	33	30.12	30.19
16	CLR	NC			10.00		37	16	30	42	7	32	30.14	30.21
19	CLR	NC			10.00		34	18	29	52	5	26	30.19	30.26
22	FEW	NC			9.00		30	22	27	72	7	23	30.24	30.31

HOUR (LST)	SKY COVER	CEILING 100S OF FT	SATELLITE OBSERVATION TIME (LST)	SATELLITE EFF CLD AMT Ok/Ok	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH)	DIRECTION TENS OF DEG	PRESSURE (INCHES,HG) STATION	SEA LEVEL
					SUNRISE: 0713	DEC 07	SUNSET: 1646							
01	FEW	NC			10.00		30	16	26	56	12	33	30.27	30.33
04	OVC	060			10.00		27	17	24	66	6	34	30.30	30.36
07	SCT	NC			10.00		31	17	26	56	13	31	30.36	30.43
10	FEW	NC			10.00		34	16	28	48	16	31	30.42	30.49
13	SCT	NC			10.00		36	17	30	46	18	31	30.40	30.47
16	FEW	NC			10.00		36	14	29	40	15	33	30.44	30.50
19	FEW	NC			10.00		32	14	26	47	13	34	30.52	30.59
22	SCT	NC			10.00		29	13	24	51	10	35	30.59	30.66
					SUNRISE: 0714	DEC 08	SUNSET: 1646							
01	SCT	NC			10.00		27	13	23	55	10	35	30.64	30.70
04	OVC	250			10.00		25	12	21	58	12	33	30.66	30.72
07	BKN	250			10.00		23	12	20	63	7	34	30.68	30.75
10	BKN	250			10.00		28	14	24	56	8	04	30.70	30.76
13	BKN	250			10.00		31	14	26	49	3	VR	30.63	30.69
16	BKN	250			10.00		32	14	26	47	5	22	30.53	30.60
19	OVC	120			10.00		31	17	26	56	12	16	30.52	30.59
22	OVC	085			10.00		30	21	27	69	7	16	30.40	30.47
					SUNRISE: 0715	DEC 09	SUNSET: 1646							
01	OVC	049			9.00	-SN	31	21	28	67	5	09	30.25	30.32
04	OVC	009			0.75	-SNPL BR	28	26	27	92	18	33	30.18	30.25
07	OVC	006			3.00	-FZRASN BR	32	31	32	96	9	31	30.04	30.11
10	SCT	NC			10.00		36	31	34	82	6	VR	30.06	30.13
13	FEW	NC			10.00		39	21	33	48	20	32	30.05	30.11
16	FEW	NC			10.00		37	20	31	50	12	34	30.10	30.17
19	CLR	NC			10.00		34	19	29	54	9	29	30.16	30.22
22	CLR	NC			10.00		30	18	26	61	8	31	30.19	30.26
					SUNRISE: 0716	DEC 10	SUNSET: 1646							
01	CLR	NC			10.00		28	17	25	63	10	32	30.16	30.23
04	CLR	NC			10.00		26	17	23	69	5	36	30.14	30.21
07	SCT	NC			10.00		24	18	22	77	5	24	30.15	30.21
10	BKN	250			10.00		30	23	28	75	9	20	30.12	30.19
13	BKN	250			10.00		37	25	33	62	16	19	29.96	30.02
16	FEW	NC			10.00		40	26	35	58	13	19	29.85	29.92
19	FEW	NC			10.00		35	27	32	72	8	20	29.80	29.87
22	CLR	NC			10.00		34	28	32	79	9	21	29.73	29.80
					SUNRISE: 0717	DEC 11	SUNSET: 1647							
01	BKN	200			10.00		35	26	32	70	3	30	29.67	29.73
04	FEW	NC			10.00		30	27	29	88	5	26	29.64	29.70
07	SCT	NC			9.00		28	25	27	88	7	21	29.62	29.68
10	FEW	NC			10.00		37	27	33	67	8	22	29.62	29.68
13	BKN	120			10.00		41	29	36	62	7	17	29.58	29.64
16	BKN	055			10.00		44	26	37	49	10	30	29.61	29.68
19	OVC	060			10.00		40	30	36	68	3	20	29.65	29.72
22	OVC	100			10.00		39	27	34	62	8	25	29.66	29.73
					SUNRISE: 0717	DEC 12	SUNSET: 1647							
01	BKN	070			10.00		39	27	34	62	9	30	29.69	29.75
04	BKN	130			10.00		36	19	30	50	9	31	29.68	29.75
07	BKN	130			10.00		35	20	30	54	13	31	29.75	29.82
10	OVC	055			10.00		37	20	31	50	16	32	29.80	29.86
13	OVC	045			10.00		38	22	32	53	9	29	29.78	29.84
16	BKN	044			10.00		37	19	31	48	10	33	29.80	29.86
19	SCT	NC			10.00		33	21	29	61	10	35	29.89	29.95
22	BKN	200			10.00		31	16	26	54	15	34	29.97	30.04

OBSERVATIONS AT 3-HOURLY INTERVALS

WASHINGTON DC, DC

DECEMBER 2005 DCA WBAN # 13743

HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE OBSERVATION TIME (LST)	SATELLITE EFF CLD AMT OKTAS	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F DRY BULB	TEMPERATURE °F DEW POINT	TEMPERATURE °F WET BULB	RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH)	WIND DIRECTION TENS OF DEG	PRESSURE (INCHES,HG) STATION	PRESSURE (INCHES,HG) SEA LEVEL
SUNRISE: 0718 DEC 13 SUNSET: 1647														
01	FEW	NC			10.00		28	14	24	56	13	34	30.02	30.09
04	CLR	NC			10.00		25	14	22	63	9	34	30.08	30.14
07	CLR	NC			10.00		23	13	20	65	8	35	30.14	30.20
10	FEW	NC			10.00		27	11	22	51	12	02	30.24	30.30
13	FEW	NC			10.00		31	6	24	35	12	35	30.22	30.28
16	FEW	NC			10.00		31	5	24	33	8	36	30.25	30.32
19	CLR	NC			10.00		26	8	21	46	13	35	30.32	30.39
22	CLR	NC			10.00		24	9	20	52	13	03	30.35	30.42
SUNRISE: 0719 DEC 14 SUNSET: 1647														
01	CLR	NC			10.00		22	7	18	52	8	36	30.41	30.47
04	CLR	NC			10.00		20	8	17	60	10	03	30.41	30.47
07	BKN	200			10.00		19	7	16	59	8	04	30.44	30.50
10	OVC	160			10.00		21	8	18	57	8	06	30.47	30.53
13	OVC	150			10.00		24	9	20	52	3	06	30.43	30.50
16	OVC	200			10.00		26	11	22	53	6	09	30.39	30.45
19	OVC	110			10.00		25	13	22	60	7	08	30.37	30.43
22	OVC	100			10.00		26	13	22	57	5	08	30.35	30.42
SUNRISE: 0719 DEC 15 SUNSET: 1647														
01	OVC	030			10.00		26	14	22	60	5	07	30.33	30.40
04	OVC	028			10.00		26	14	22	60	9	06	30.29	30.35
07	OVC	026			10.00		26	16	23	66	8	05	30.25	30.31
10	OVC	049			10.00	-SN	28	17	25	63	7	06	30.22	30.29
13	OVC	031			5.00	-FZDZPL BR	31	29	30	92	9	05	30.08	30.15
16	OVC	010			3.00	-RA BR	33	32	33	96	7	07	29.97	30.03
19	OVC	007			3.00	RA BR	36	36	36	100	7	05	29.85	29.91
22	OVC	007			4.00	RA BR	44	43	44	96	5	31	29.67	29.74
SUNRISE: 0720 DEC 16 SUNSET: 1648														
01	OVC	010			3.00	+RA BR	37	36	37	96	15	32	29.57	29.64
04	OVC	049			10.00		36	33	35	89	10	32	29.64	29.70
07	FEW	NC			10.00		36	31	34	82	7	29	29.72	29.79
10	CLR	NC			10.00		41	30	37	65	7	30	29.84	29.91
13	FEW	NC			10.00		46	29	39	51	12	29	29.88	29.95
16	BKN	060			10.00		46	26	38	46	10	25	29.93	29.99
19	BKN	250			10.00		42	28	36	58	9	23	30.03	30.10
22	OVC	250			10.00		40	28	35	63	8	31	30.13	30.20
SUNRISE: 0721 DEC 17 SUNSET: 1648														
01	BKN	250			10.00		37	23	32	57	10	34	30.21	30.28
04	SCT	NC			10.00		32	22	29	66	6	01	30.29	30.35
07	OVC	250			10.00		34	27	31	76	0	00	30.36	30.42
10	CLR	NC			10.00		37	29	34	73	7	20	30.46	30.52
13	BKN	250			10.00		46	24	38	42	8	34	30.41	30.48
16	BKN	250			10.00		44	21	36	40	3	26	30.42	30.48
19	OVC	250			10.00		38	28	34	68	3	20	30.45	30.52
22	OVC	250			10.00		35	30	33	82	0	00	30.46	30.52
SUNRISE: 0721 DEC 18 SUNSET: 1648														
01	OVC	130			10.00		35	29	33	78	3	06	30.45	30.52
04	OVC	100			10.00		34	29	32	82	5	04	30.45	30.51
07	OVC	100			10.00		34	29	32	82	5	06	30.47	30.53
10	BKN	090			10.00		39	26	34	60	0	00	30.49	30.55
13	BKN	090			10.00		43	23	35	45	5	10	30.39	30.46
16	SCT	NC			10.00		45	24	37	44	9	36	30.35	30.42
19	SCT	NC			10.00		39	23	33	53	7	36	30.35	30.42
22	BKN	250			10.00		34	29	32	82	0	00	30.31	30.37

HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE OBSERVATION TIME (LST)	SATELLITE EFF CLD AMT OKTAS	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F DRY BULB	TEMPERATURE °F DEW POINT	TEMPERATURE °F WET BULB	RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH)	WIND DIRECTION TENS OF DEG	PRESSURE (INCHES,HG) STATION	PRESSURE (INCHES,HG) SEA LEVEL
SUNRISE: 0722 DEC 19 SUNSET: 1649														
01	OVC	130			9.00		33	29	32	85	6	20	30.26	30.33
04	BKN	100			8.00		33	29	32	85	0	00	30.23	30.29
07	OVC	095			8.00		32	30	31	92	6	19	30.22	30.29
10	BKN	160			8.00		36	30	34	79	3	10	30.22	30.29
13	SCT	NC			10.00		39	25	34	57	16	33	30.20	30.27
16	FEW	NC			10.00		37	14	30	39	15	33	30.19	30.26
19	CLR	NC			10.00		30	11	24	45	10	33	30.23	30.30
22	CLR	NC			10.00		26	12	22	55	8	35	30.22	30.28
SUNRISE: 0723 DEC 20 SUNSET: 1649														
01	CLR	NC			10.00		26	9	21	48	5	29	30.21	30.28
04	CLR	NC			10.00		26	5	21	40	7	32	30.20	30.26
07	CLR	NC			10.00		25	5	20	42	10	30	30.17	30.24
10	FEW	NC			10.00		30	4	23	33	9	27	30.19	30.25
13	FEW	NC			10.00		38	1	28	21	14	30	30.11	30.18
16	FEW	NC			10.00		39	1	28	20	10	30	30.09	30.16
19	CLR	NC			10.00		34	2	25	25	8	33	30.13	30.20
22	CLR	NC			10.00		31	7	24	36	7	VR	30.18	30.24
SUNRISE: 0723 DEC 21 SUNSET: 1650														
01	CLR	NC			10.00		28	10	23	47	9	33	30.19	30.25
04	FEW	NC			10.00		27	12	23	53	9	34	30.19	30.25
07	FEW	NC			10.00		25	12	21	58	7	34	30.22	30.29
10	FEW	NC			10.00		32	14	26	47	8	35	30.24	30.30
13	SCT	NC			10.00		36	15	29	42	5	VR	30.14	30.21
16	SCT	NC			10.00		37	13	29	37	9	26	30.11	30.18
19	CLR	NC			10.00		33	15	27	48	5	26	30.14	30.21
22	FEW	NC			10.00		34	16	28	48	13	30	30.17	30.24
SUNRISE: 0724 DEC 22 SUNSET: 1650														
01	FEW	NC			10.00		31	19	27	61	3	23	30.18	30.25
04	FEW	NC			10.00		29	18	25	64	0	00	30.20	30.27
07	FEW	NC			10.00		28	21	26	75	0	00	30.23	30.30
10	SCT	NC			10.00		33	24	30	70	7	18	30.27	30.34
13	SCT	NC			10.00		39	21	33	48	13	17	30.19	30.25
16	BKN	250			10.00		40	21	33	47	7	21	30.16	30.22
19	BKN	250			10.00		35	26	32	70	10	20	30.14	30.20
22	SCT	NC			10.00		35	21	30	57	9	21	30.09	30.16
SUNRISE: 0724 DEC 23 SUNSET: 1651														
01	SCT	NC			10.00		30	23	28	75	7	21	30.04	30.10
04	FEW	NC			10.00		31	23	28	72	3	22	30.02	30.09
07	SCT	NC			10.00		29	23	27	78	6	24	30.02	30.09
10	SCT	NC			10.00		35	25	31	67	8	18	30.02	30.09
13	SCT	NC			10.00		45	24	37	44	10	16	29.91	29.98
16	SCT	NC			10.00		51	20	39	29	5	17	29.87	29.94
19	FEW	NC			10.00		45	23	37	42	6	VR	29.87	29.94
22	FEW	NC			10.00		42	24	35	49	8	20	29.85	29.91
SUNRISE: 0724 DEC 24 SUNSET: 1651														
01	SCT	NC			10.00		42	24	35	49	5	20	29.83	29.90
04	SCT	NC			10.00		37	26	33	65	3	23	29.86	29.92
07	BKN	250			10.00		36	25	32	64	5	19	29.88	29.95
10	BKN	250			10.00		39	27	34	62	7	19	29.91	29.98
13	BKN	250			10.00		50	27	40	41	6	18	29.86	29.92
16	FEW	NC			10.00		55	27	43	34	0	00	29.83	29.90
19	CLR	NC			10.00		48	24	39	39	5	15	29.85	29.92
22	BKN	250			10.00		38	28	34	68	0	00	29.83	29.90

OBSERVATIONS AT 3-HOURLY INTERVALS

WASHINGTON DC, DC

DECEMBER 2005 DCA WBAN # 13743

HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE: OBSERVATION TIME (LST)	SATELLITE: EFF CLD AMT Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F: DRY BULB	TEMPERATURE °F: DEW POINT	TEMPERATURE °F: WET BULB	RELATIVE HUMIDITY (PCT)	WIND: SPEED (MPH)	WIND: DIRECTION TENS OF DEG	PRESSURE (INCHES,HG): STATION	PRESSURE (INCHES,HG): SEA LEVEL
SUNRISE: 0725						DEC 25			SUNSET: 1652					
01	FEW	NC			6.00	BR	33	30	32	89	0	00	29.80	29.87
04	CLR	NC			8.00		30	28	29	92	5	03	29.77	29.84
07	OVC	095			9.00		33	29	32	85	6	04	29.74	29.80
10	OVC	025			9.00		38	31	35	76	9	04	29.68	29.75
13	OVC	010			2.50	-RA BR	42	41	42	96	3	35	29.56	29.62
16	OVC	019			1.75	RA BR	38	38	38	100	8	06	29.46	29.53
19	BKN	018			6.00	BR	42	41	42	96	0	00	29.43	29.50
22	OVC	006			3.00	BR	40	40	40	100	3	04	29.39	29.45
SUNRISE: 0725						DEC 26			SUNSET: 1653					
01	OVC	004			2.50	BR	40	40	40	100	6	32	29.36	29.43
04	OVC	036			2.50	-RA BR	40	39	40	97	5	21	29.36	29.43
07	BKN	060			4.00	-RA BR	38	38	38	100	6	18	29.37	29.44
10	BKN	120			8.00		41	40	41	96	5	09	29.43	29.50
13	OVC	095			10.00		45	30	39	56	23	29	29.44	29.51
16	OVC	048			10.00		45	30	39	56	20	27	29.51	29.58
19	OVC	042			10.00		44	30	38	58	17	29	29.61	29.67
22	OVC	045			10.00		42	26	36	53	18	33	29.69	29.76
SUNRISE: 0725						DEC 27			SUNSET: 1653					
01	FEW	NC			10.00		40	26	35	58	14	32	29.73	29.80
04	FEW	NC			10.00		40	26	35	58	12	30	29.77	29.84
07	FEW	NC			10.00		37	25	33	62	8	28	29.85	29.92
10	SCT	NC			10.00		42	27	36	55	13	31	29.92	29.99
13	BKN	250			10.00		46	28	39	50	14	33	29.89	29.96
16	BKN	200			10.00		44	28	38	53	9	29	29.89	29.96
19	BKN	150			10.00		41	29	36	62	5	07	29.89	29.95
22	BKN	150			10.00		37	30	34	76	5	18	29.90	29.97
SUNRISE: 0726						DEC 28			SUNSET: 1654					
01	FEW	NC			10.00		36	29	33	76	3	21	29.87	29.93
04	CLR	NC			10.00		33	28	31	82	6	20	29.85	29.91
07	BKN	200			10.00		36	30	34	79	0	00	29.81	29.88
10	OVC	250			10.00		40	32	37	73	3	18	29.79	29.86
13	OVC	230			10.00		48	35	42	61	6	20	29.69	29.76
16	BKN	200			10.00		51	36	44	56	3	16	29.62	29.69
19	BKN	250			10.00		47	37	42	69	3	17	29.59	29.65
22	OVC	055			10.00		50	39	45	66	7	18	29.53	29.60
SUNRISE: 0726						DEC 29			SUNSET: 1655					
01	OVC	075			4.00	-RA	48	42	45	80	8	19	29.48	29.55
04	OVC	003			2.00	-RA BR	46	46	46	100	0	00	29.39	29.46
07	OVC	009			4.00	BR	47	47	47	100	0	00	29.36	29.42
10	OVC	011			1.50	-RA BR	48	48	48	100	3	04	29.37	29.44
13	OVC	045			10.00		49	46	47	90	10	31	29.31	29.38
16	OVC	065			10.00		49	39	44	69	16	32	29.37	29.44
19	OVC	070			10.00		46	34	41	63	17	30	29.46	29.53
22	OVC	095			10.00		45	33	40	63	15	30	29.53	29.59
SUNRISE: 0726						DEC 30			SUNSET: 1656					
01	FEW	NC			10.00		42	32	38	68	8	29	29.58	29.65
04	OVC	032			10.00		44	34	40	68	8	32	29.65	29.72
07	SCT	NC			10.00		42	33	38	71	8	29	29.75	29.81
10	BKN	250			10.00		46	34	41	63	16	32	29.83	29.90
13	BKN	250			10.00		47	33	41	59	13	31	29.81	29.88
16	BKN	250			10.00		46	31	40	56	12	32	29.82	29.88
19	SCT	NC			10.00		42	30	37	62	5	33	29.84	29.90
22	OVC	250			10.00		39	34	37	82	0	00	29.84	29.91

HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE: OBSERVATION TIME (LST)	SATELLITE: EFF CLD AMT Oktas	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F: DRY BULB	TEMPERATURE °F: DEW POINT	TEMPERATURE °F: WET BULB	RELATIVE HUMIDITY (PCT)	WIND: SPEED (MPH)	WIND: DIRECTION TENS OF DEG	PRESSURE (INCHES,HG): STATION	PRESSURE (INCHES,HG): SEA LEVEL
SUNRISE: 0726						DEC 31			SUNSET: 1656					
01	OVC	100			10.00		39	31	36	73	3	36	29.84	29.91
04	OVC	095			10.00		39	31	36	73	0	00	29.79	29.86
07	OVC	070			6.00	-RA BR	38	35	37	89	5	03	29.77	29.83
10	BKN	200			9.00		42	37	40	82	5	22	29.74	29.80
13	OVC	095			10.00		44	38	41	79	0	00	29.65	29.71
16	SCT	NC			9.00		47	37	42	69	7	34	29.68	29.75
19	OVC	080			10.00		42	36	39	79	5	15	29.75	29.82
22	OVC	065			8.00		42	36	39	79	3	VR	29.77	29.84

3-HOURLY OBSERVATION NOTES

Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8, SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, VV = Vertical Visibility = 8/8.
Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.
NC = No ceiling detected.
& = Original observation contained additional weather elements.
See page 3 for additional notes.

SUMMARY BY HOUR

HOUR (LST)	AVERAGES: CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (INCHES,HG): STATION	PRESSURE (INCHES,HG): SEA LEVEL	VISIBILITY (MILES)	WIND SPEED (MPH)	RESULTANT WIND (MPH): SPEED	RESULTANT WIND (MPH): DIRECTION
01			34	24	31	68	29.99	30.06	8.92	8	4	32
02			33	24	30	69	29.99	30.06	8.85	8	4	32
03			33	24	30	71	29.99	30.06	8.81	7	4	33
04			32	24	30	72	29.99	30.06	8.78	7	4	33
05			32	24	29	74	29.99	30.05	8.98	6	2	33
06			32	24	29	75	29.99	30.06	9.19	6	3	32
07			32	24	30	73	30.00	30.07	9.10	7	4	31
08			33	24	30	72	30.01	30.08	8.91	7	3	32
09			34	25	31	71	30.02	30.09	8.93	7	3	32
10			36	25	32	65	30.03	30.10	9.53	9	3	32
11			38	24	33	60	30.02	30.09	9.47	10	5	31
12			39	24	34	58	30.00	30.06	9.26	10	5	31
13			40	24	35	54	29.98	30.04	9.53	10	5	31
14			41	23	35	52	29.96	30.03	9.44	10	5	31
15			41	23	35	52	29.96	30.03	9.15	10	5	30
16			41	23	34	51	29.97	30.03	9.19	10	6	31
17			39	23	33	54	29.97	30.04	9.47	8	4	31
18			38	23	33	57	29.98	30.05	9.52	9	4	31
19			37	24	33	60	29.99	30.06	9.39	8	3	30
20			37	24	32	62	29.99	30.06	9.37	8	4	31
21			36	25	32	65	29.99	30.06	9.22	9	4	32
22			36	24	32	65	29.99	30.06	9.26	8	4	31
23			35	24	31	66	30.00	30.06	9.02	7	4	31
24			35	24	31	66	29.99	30.06	9.15	7	4	31

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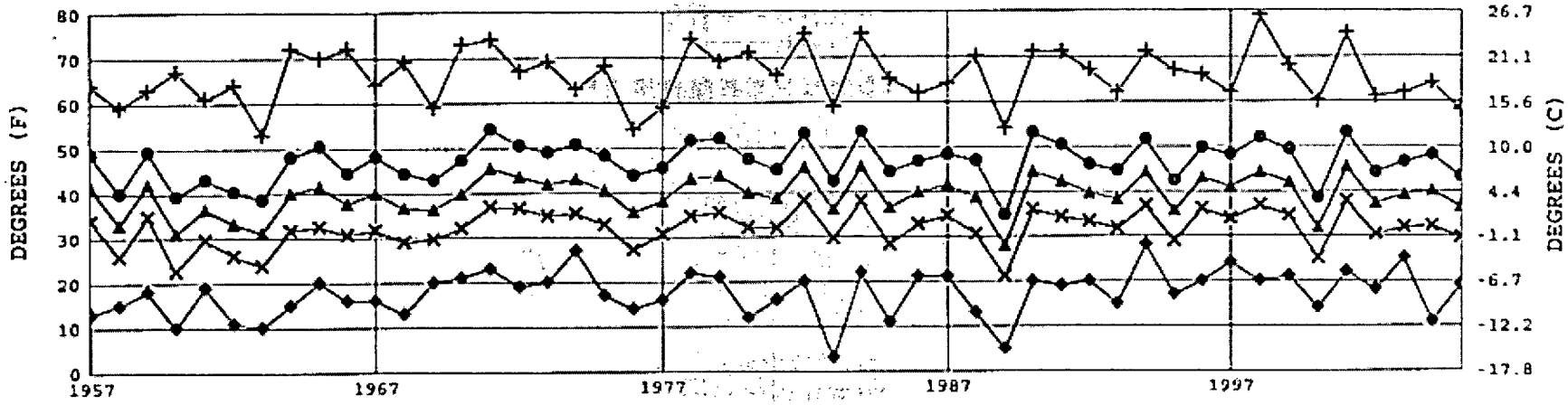
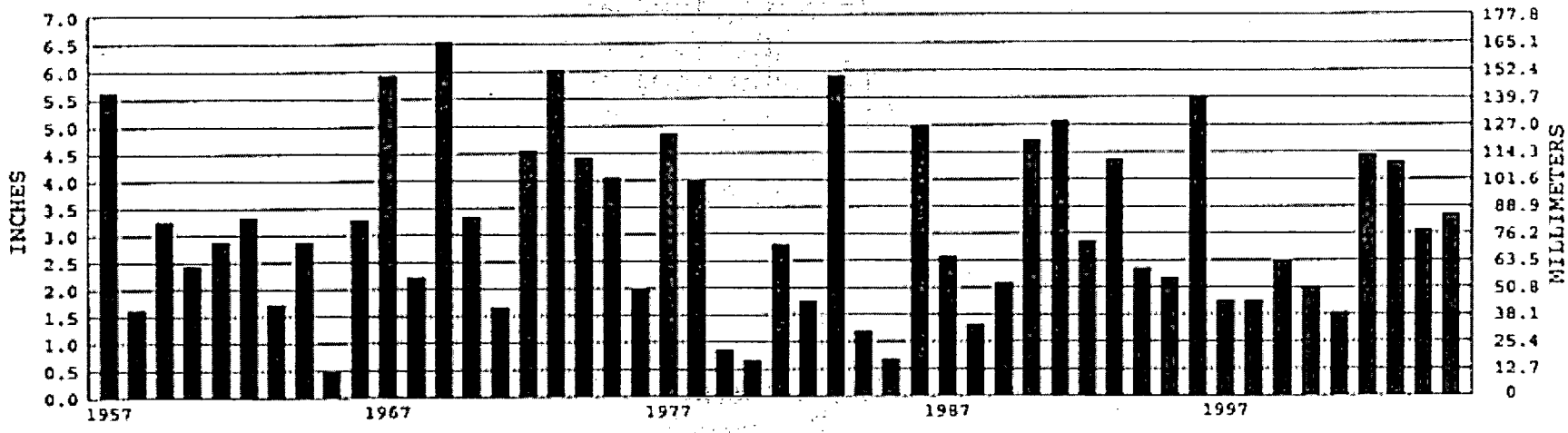
WASHINGTON DC, DC DECEMBER TEMPERATURES



+ Extreme Max. ● Mean Max. ▲ Mean × Mean Min. ◆ Extreme Min.

Long-Term (1957-2005) Mean: 39.4 1971-2000 Normal: 39.5

WASHINGTON DC, DC DECEMBER PRECIPITATION



Long-Term (1957-2005) Mean Monthly Total: 3.13 1971-2000 Normal: 3.05

DECEMBER 2003

WASHINGTON DC, DC

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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Thomas R Karl

DIRECTOR

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