LOCAL CLIMATOLOGICAL DATA

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
ENVIRONMENTAL DATA SERVICE

A UNITED STATES DEPARTMENT OF COMMERCE PUBLICATION

WASHINGTON, D.C.
DULLES INTERNATIONAL AIRPORT
JUNE 1972

Latitude 38° 57′ N Longitude 77° 27′ W Elevation (ground) 290 ft. Standard time used: EASTERN WBAN #93738

Date	Temperature °F Maximum	Minimum	Average	Departure from normal	Average dew point	Degree days Base 65° Heating	Cooling	Weather types on dates of occurrence (1 Fog, 2 Heavy fog x, 3 Thunderstorm, 4 Ice pellets, 5 Hail, 6 Glaze, 7 Duststorm, 8 Smoke, Haze, 9 Blowing snow)	Snow, ice pellets or ice on ground at 07AM In.	Precipitation Water equivalent In.	Snow, ice pellets In.	Avg. station pressure In. (Elev. 323 feet m.s.l.)	Wind Resultant direction	Resultant speed m.p.h.	Average speed m.p.h.	Fastest mile Speed m.p.h.	Direction	Sunshine Hours and tenths	Percent of possible	Sky cover Tenths Sunrise to sunset	Midnight to midnight	Date
1	2	3	4	5	6	7A	7B	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1	68	48	58		43	7	0		0	T	0	29.49	32	10.6	11.8	20	30			5	5	1
2	81	46	64		51	1	0		0	0	0	29.54	24	6.7	8.5	17	29			5	5	2
3	85	52	69		56	0	4		0	0	0	29.66	20	5.1	5.9	9	19			2	1	3
4	87*	59	73		60	0	8	1 3	0	.50	0	29.66	19	3.6	9.1	26	35			5	5	4
5	82	58	70		62	0	5	2 8	0	0	0	29.68	35	4.6	5.2	12	36			3	3	5
6	72	58	65		63	0	0	2 8	0	.03	0	29.60	03	2.5	3.6	10	36			10	8	6
7	79	53	66		52	0	1	1	0	0	0	29.59	33	8.4	9.2	23	36			0	0	7
8	82	47	65		53	0	0		0	0	0	29.58	22	4.8	6.3	13	23			5	4	8
9	84	54	69		59	0	4		0	0	0	29.42	23	5.9	7.2	15	24			7	7	9
10	70	47	59		46	6	0		0	T	0	29.56	32	12.6	12.8	23	31			6	6	10
11	70	40*	55*		38	10	0		0	0	0	29.87	32	6.5	7.6	15	34			2	3	11
12	82	44	63		47	2	0		0	0	0	29.77	19	9.0	9.4	18	21			6	7	12
13	77	64	71		57	0	6	1	0	.44	0	29.68	20	6.5	8.9	15	23			10	10	13
14	78	66	72		69	0	7	1 8	0	.01	0	29.68	19	5.3	5.6	8	17			10	8	14
15	85	70	78*		67	0	13	1 8	0	T	0	29.68	18	11.4	11.7	18	18			7	6	15
16	81	67	74		66	0	9		0	.02	0	29.65	20	3.4	6.6	10	20			9	8	16
17	75	66	71		65	0	6	1 8	0	.37	0	29.78	03	2.7	4.9	12	02			10	10	17
18	81	67	74		68	0	9	2 8	0	.11	0	29.84	14	4.2	5.9	14	12			10	10	18
19	84	66	75		68	0	10	1 8	0	T	0	29.78	17	6.6	7.6	14	15			8	9	19
20	77	68	73		68	0	8	1	0	.55	0	29.54	13	8.4	8.8	18	12			10	10	20
21	75	65	70		68	0	5	1 3	0	10.67	0	29.11	03	7.9	11.5	25	35			10	10	21
22	66	51	59		54	6	0	1	0	1.96	0	29.02	29	12.7	15.5	23	29			10	10	22
23	61	51	56		51	9	0	1	0	.47	0	29.11	21	9.3	10.2	14	23			10	10	23
24	72	48	60		53	5	0	1	0	.05	0	29.36	20	4.5	7.2	12	18			7	8	24
25	74	57	66		56	0	1	1 8	0	T	0	29.40	27	1.4	4.9	9	27			9	9	25
26	78	55	67		59	0	2	1 8	0	0	0	29.45	31	3.1	4.9	9	02			6	6	26
27	81	56	69		60	0	4	1 8	0	0	0	29.58	36	2.6	4.5	8	18			3	3	27
28	80	63	72		66	0	7	1 8	0	.46	0	29.60	13	5.7	6.9	12	13			9	9	28
29	80	66	73		67	0	8	1 3 8	0	1.30	0	29.45	10	3.2	8.1	18	31			10	10	29
30	78	64	71		64	0	6	23 8	0	1.25	0	29.39	25	3.3	5.8	14	34			7	5	30
	Sum 2325	Sum 1716				Total 46	Total 123			Total 18.19	Total 0	For the month: 29.55	23	1.9	7.9	26	35	Total	% for month	Sum 211	Sum 205	
	Avg. 77.5	Avg. 57.2	Avg. 67.4	Dep.	Avg. 58	Dep.	Dep.	Number of days Precipitation ≥ .01 inch 15		Dep.						Date: 04		Possible		Avg. 7.0	Avg. 6.8	

Number of days				Season to date Total	Total
Maximum Temp. ≥ 90° ‡	≤ 32°	Minimum Temp. ≤ 32°	≤ 0°	4597	157
0	0	0	0	Dep.	Dep.

Snow, ice pellets ≥ 1.0 inch 0
Thunderstorms 4
Heavy fog X 4
Clear 5 Partly cloudy 11 Cloudy 14

Greatest in 24 hours and dates: Precipitation 11.88 21-22; Snow, ice pellets 0

Greatest depth on ground of snow, ice pellets or ice and date: 0

6-HOURLY PRECIPITATION (Water equivalent in inches)

Date	A. M. Hour ending at 1	2	3	4	5	6	7	8	9	10	11	12	P. M. Hour ending at 1	2	3	4	5	6	7	8	9	10	11	12	Date
1	.24																								1
2																									2
3																									3
4																			T						4
5	.50																								5
6													T						.03						6
7																									7
8																									8
9																									9
10							T																		10
11																									11
12																									12
13																			.44						13
14	T						.01												T						14
15													T												15
16													.02						T						16
17	T						.11						.26												17
18							.07						T												18
19	.04												T						T						19
20													.02						.28						20
21	.26						.08						.43						5.74						21
22	4.58						1.13												.07						22
23	.63						.40						.03												23
24																									24
25	.05						T																		25
26																									26
27																									27
28							.01						.01						.44						28
29	T						.08						.01						.86						29
30	.35																		1.25						30

* Extreme temperatures for the month. May be the last of more than one occurrence.
– Below zero temperature or negative departure from normal.
‡ ≥ 70° at Alaskan stations.
\+ Also on an earlier date, or dates.
X Heavy fog restricts visibility to ¼ mile or less.
T In the Hourly Precipitation table and in columns 9, 10, and 11 indicates an amount too small to measure.

The season for degree days begins with July for heating and with January for cooling.
Data in columns 6, 12, 13, 14, and 15 are based on 8 observations per day at 3-hour intervals.
Wind directions are those from which the wind blows. Resultant wind is the vector sum of wind directions and speeds divided by the number of observations. Figures for directions are tens of degrees from true North; i.e., 09 = East, 18 = South, 27 = West, 36 = North, and 00 = Calm. When directions are in tens of degrees in Col. 17, entries in Col. 16 are fastest observed 1-minute speeds. If the / appears in Col. 17, speeds are gusts.
Any errors detected will be corrected and changes in summary data will be annotated in the annual summary.

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I certify that this is an official publication of the National Oceanic and Atmospheric Administration, and is compiled from records on file at the National Climatic Center, Asheville, North Carolina 28801.

William H. Haggard
Director, National Climatic Center

SUMMARY BY HOURS

Hour Local time	Averages: Sky cover Tenths	Station pressure In.	Temperature Air °F	Wet bulb °F	Dew Pt. °F	Relative humidity %	Wind speed m.p.h.	Resultant wind Direction	Speed m.p.h.
01	6	29.55	62	59	57	86	5.8	25	1.4
04	7	29.54	60	58	57	89	6.2	23	1.3
07	6	29.57	63	60	58	84	7.6	22	2.4
10	7	29.57	71	64	59	68	9.8	26	3.0
13	7	29.55	75	65	59	61	9.3	25	3.2
16	7	29.52	75	65	59	61	10.0	24	1.9
19	7	29.53	70	64	60	71	8.4	20	.8
22	6	29.55	64	61	59	84	5.8	19	2.2

OBSERVATIONS AT 3-HOUR INTERVALS

HOUR	SKY COVER Tenths	CEILING Hnds. of ft.	VISI-BILITY WHOLE MILES	VISI-BILITY Tenths MILE	WEATHER	TEMPERATURE AIR °F	TEMPERATURE WET BULB °F	TEMPERATURE DEW PT. °F	REL. HUM. %	WIND DIR.	WIND SPEED Knots
DAY 01											
01	10	60	10			56	50	44	64	32	9
04	10	55	10			54	47	40	59	32	10
07	0	UNL	15			54	48	41	62	32	13
10	0	UNL	20			59	50	41	51	31	15
13	4	UNL	20			64	54	45	50	35	10
16	8	200	15			65	54	44	47	30	12
19	10	80	15			62	53	44	52	31	10
22	0	UNL	12			51	49	47	86	12	3
DAY 02											
0	UNL	10				47	46	45	93	23	4
9	80	10				49	48	47	93	18	4
2	UNL	15				56	53	51	83	20	7
7	200	20				71	59	50	48	28	12
1	UNL	20				78	63	53	42	24	10
3	UNL	20				80	63	51	36	27	11
8	250	20				71	63	57	61	17	5
7	110	12				63	59	56	78	20	6
DAY 03											
0	UNL	12				60	57	55	84	19	4
1	UNL	12				54	53	52	93	17	3
0	UNL	12				62	60	58	87	21	5
2	UNL	15				78	65	57	49	26	8
1	UNL	20				83	68	59	44	20	7
0	UNL	20				84	66	55	37	20	6
0	UNL	20				76	65	58	54	16	5
0	UNL	20				66	60	56	70	18	3
DAY 04											
01	0	UNL	12			63	59	56	78	18	7
04	3	UNL	12			61	58	56	84	20	7
07	2	UNL	15			65	61	59	81	22	9
10	1	UNL	12			78	68	62	58	16	5
13	1	UNL	15			85	69	60	43	13	8
16	9	130	12			83	70	63	51	21	6
19	10	55	2	8	TRW	68	64	62	81	36	16
22	10	120	8			65	63	62	90	18	5
DAY 05											
2	UNL	4			GF	60	59	59	97	31	3
8	UNL	0	8		F	59	59	59	100	00	0
0	UNL	3			GF	63	62	62	97	35	7
8	25	6			H	73	68	65	76	35	7
5	UNL	5			H	79	70	66	65	04	5
2	UNL	7				81	68	61	51	32	5
0	UNL	12				74	65	60	62	01	6
0	UNL	8				63	61	60	90	31	3
DAY 06											
0	UNL	8				60	59	58	93	00	0
8	23	1			GF	60	59	59	97	33	3
10	5	1	2		F	65	63	62	90	00	0
10	9	2			F	68	65	64	87	10	3
10	16	2			RWF	69	66	65	87	34	5
10	12	2			RWF	68	66	65	90	05	8
10	120	1	12		GF	68	66	65	90	09	3
4	UNL	1	8		GF	64	63	63	97	35	3
DAY 07											
01	0	UNL	3		GF	61	60	60	97	36	4
04	0	UNL	6		GF	60	58	57	90	32	6
07	0	UNL	12			63	58	54	73	34	9
10	0	UNL	20			70	57	47	44	36	15
13	0	UNL	20			76	60	47	36	32	12
16	0	UNL	40			78	60	47	34	33	10
19	0	UNL	20			71	59	50	48	31	5
22	0	UNL	15			56	54	52	87	25	3
DAY 08											
0	UNL	15				51	50	49	93	02	4
0	UNL	15				48	46	45	89	24	3
3	UNL	20				59	56	53	81	18	3
3	UNL	20				76	65	58	54	23	8
7	UNL	20				81	64	53	38	25	8
6	UNL	20				82	65	54	38	21	8
5	UNL	20				73	62	55	53	19	7
2	UNL	15				64	59	55	73	23	3
DAY 09											
3	UNL	15				62	58	56	81	18	5
3	UNL	10				55	54	54	96	19	4
7	UNL	10				64	62	60	87	19	4
4	UNL	15				79	64	55	44	25	10
4	UNL	15				83	68	59	44	26	8
8	UNL	15				82	69	61	49	21	9
10	UNL	12				76	68	64	66	20	5
10	75	10				70	66	64	81	29	5
DAY 10											
01	10	150	10			70	64	60	71	31	8
04	10	28	8			67	62	58	73	34	8
07	10	100	12			64	56	50	61	32	14
10	7	44	15			66	54	44	45	33	13
13	6	60	20			67	53	39	36	32	14
16	5	UNL	40			66	52	38	36	32	15
19	1	UNL	40			59	49	38	46	34	11
22	1	UNL	30			48	43	37	66	31	6
DAY 11											
0	UNL	15				45	41	35	68	29	6
0	UNL	15				42	40	37	83	30	7
0	UNL	20				50	45	40	69	32	10
2	UNL	40				59	48	35	41	34	13
2	UNL	40				64	50	36	35	32	7
5	UNL	40				69	53	36	30	34	7
10	UNL	40				67	52	38	35	00	0
1	UNL	20				51	48	45	80	10	3
DAY 12											
6	UNL	15				46	45	44	93	20	3
6	UNL	15				45	44	43	93	19	4
9	UNL	20				53	49	46	77	20	5
2	UNL	20				70	59	50	49	18	13
8	UNL	20				80	61	47	31	22	9
3	UNL	20				81	62	49	33	19	14
2	UNL	20				75	61	50	42	17	9
10	250	20				69	58	49	49	18	8
DAY 13											
01	10	160	15			67	57	49	53	18	8
04	10	140	15			65	57	50	59	20	9
07	10	150	20			65	57	51	61	20	11
10	10	110	15			70	61	55	59	21	10
13	10	100	12			72	63	58	62	21	8
16	10	55	5		RW	71	65	61	71	29	8
19	10	44	2	8	RF	66	65	65	97	09	5
22	10	70	2		GF	66	65	65	97	15	3
DAY 14											
10	5	1	4		LF	66	65	65	97	22	3
10	50	1			LF	66	66	66	100	22	3
10	5	1	8		F	69	68	68	97	19	5
10	8	3			FH	73	71	70	90	17	6
10	15	4			H	78	73	70	77	18	7
10	70	4			H	78	73	71	79	21	3
8	UNL	5			H	76	73	71	85	20	5
2	UNL	4			H	73	71	70	90	17	7
DAY 15											
7	UNL	5			H	71	70	69	93	18	6
10	180	7				71	68	67	87	18	8
10	100	8				71	68	66	84	19	9
10	80	7			RW	72	69	67	84	20	10
0	UNL	9				82	74	71	69	16	12
4	UNL	10				85	75	70	61	18	16
2	UNL	20				79	69	64	60	18	12
0	UNL	15				73	66	62	69	19	8
DAY 16											
01	1	UNL	15			70	65	62	76	20	7
04	3	UNL	12			68	64	62	81	16	6
07	6	UNL	15			70	66	63	79	20	8
10	10	UNL	15			77	70	67	71	18	7
13	10	120	7		RW	76	71	69	79	26	4
16	10	120	10			79	73	70	74	14	4
19	10	70	12			75	69	66	74	32	6
22	10	44	10			69	66	65	87	36	4
DAY 17											
10	90	10				68	66	65	90	35	4
10	60	3			GF	67	66	65	93	35	5
10	55	2	8		RWGF	66	65	64	93	34	4
10	50	2	8		RWH	67	65	64	90	35	4
10	10	4			H	71	68	66	84	05	4
10	65	7				74	68	64	71	07	5
10	65	6			H	71	68	66	84	13	5
10	44	4			GFH	69	67	66	90	13	3
DAY 18											
10	38	2	8		FH	68	67	66	93	06	3
10	6	1			RWF	68	67	66	93	05	4
10	3	0	8		F	69	68	67	93	14	4
10	9	2			RWF	71	70	69	93	18	4
10	23	4			FH	76	71	69	79	23	4
10	120	10				78	71	68	71	14	8
10	46	10				74	70	68	82	14	9
10	90	7				70	68	67	90	16	5
DAY 19											
01	2	UNL	1		GF	66	65	64	93	29	3
04	10	23	5		F	69	68	67	93	16	3
07	10	5	5		F	71	70	69	93	17	7
10	10	12	10			77	73	71	82	21	7
13	10	28	20			80	73	69	69	17	7
16	5	UNL	15			83	73	68	61	15	12
19	7	250	15			76	71	68	76	16	8
22	10	150	12			71	68	67	87	16	6
DAY 20											
10	300	10				69	68	67	93	18	4
10	16	7				68	67	66	93	10	4
10	9	7				72	69	68	87	14	9
10	19	12				77	71	68	74	15	9
10	35	10			R	75	72	70	85	12	9
10	14	6			R	73	70	69	87	13	9
10	16	8			RW	72	70	69	90	13	9
10	16	7			R	71	70	69	93	13	8
DAY 21											
10	10	4			RW	71	69	68	90	12	7
10	11	7			RW	71	69	68	90	12	7
10	8	3			RF	71	70	69	93	09	6
10	6	5			LF	72	71	70	93	04	7
10	30	7				75	72	71	87	02	9
10	6	0	12		RWF	72	71	70	93	04	12
10	10	0	12		RWF	66	65	64	93	35	22
10	10	2			RF	66	65	64	93	35	10
DAY 22											
01	10	13	4		RF	66	64	63	90	32	13
04	10	12	4		RF	59	57	56	90	31	10
07	10	33	20			57	55	53	87	31	11
10	10	44	20			61	55	51	70	31	16
13	10	50	20			65	58	52	63	29	20
16	10	65	15		RW	60	56	52	75	27	15
19	10	70	5		RW	56	54	53	90	23	11
22	10	34	6		R	55	54	53	93	21	12
DAY 23											
10	44	7			R	53	51	50	90	24	8
10	7	4			RF	53	52	51	93	18	12
10	34	10			R	53	52	51	93	19	9
10	50	12			RW	55	54	53	93	20	7
10	55	20				59	56	54	84	19	8
10	75	40				60	55	50	70	23	12
8	60	40				59	53	48	67	25	7
10	50	30				56	52	49	78	22	8
DAY 24											
5	UNL	30				51	48	46	83	19	6
6	150	40				48	47	46	93	21	7
4	UNL	15				55	52	49	80	18	10
3	UNL	20				67	60	55	66	19	6
10	45	20				70	62	57	64	22	7
10	100	20				69	62	58	68	22	3
10	130	20				66	62	60	81	15	3
10	50	6			RW	62	58	56	81	01	8
DAY 25											
01	10	44	5		RW	59	56	54	84	02	6
04	10	46	8			58	56	54	87	34	2
07	10	130	3		F	58	56	55	90	22	3
10	10	28	7			66	60	56	70	25	7
13	7	40	12			71	61	54	55	28	8
16	10	45	15			71	61	54	55	09	3
19	10	50	12			69	63	60	73	13	3
22	4	UNL	10			61	59	58	90	18	2
DAY 26											
5	UNL	10				61	59	58	90	14	5
10	60	7				59	58	57	93	34	3
3	UNL	10				63	61	60	90	31	3
9	70	9				72	63	58	62	32	7
9	75	10				74	64	58	58	28	5
9	80	8				75	65	58	56	34	7
4	UNL	7				70	63	59	68	29	4
7	80	6			H	66	63	61	84	00	0
DAY 27											
4	UNL	7				61	59	58	90	30	3
0	UNL	7				57	56	55	93	02	6
0	UNL	5			H	64	61	59	84	05	3
2	UNL	7				74	64	58	58	36	6
4	UNL	6			H	79	68	61	54	30	4
2	UNL	6			H	80	67	60	51	34	5
7	UNL	3			H	76	68	64	66	15	4
7	130	5			H	66	63	62	87	00	0
DAY 28											
01	10	150	4		H	66	64	63	90	00	0
04	10	50	4		GFH	65	64	63	93	28	3
07	10	100	3		RWH	67	65	64	90	11	3
10	7	100	3		H	74	69	66	76	12	8
13	10	70	4		H	77	70	67	71	14	8
16	10	90	4		H	77	71	68	74	13	10
19	10	90	3		F	72	69	68	87	09	8
22	10	11	4		F	71	68	67	87	15	8
DAY 29											
10	14	4			RWF	69	68	67	93	10	4
10	7	2			RF	69	68	67	93	09	8
10	7	3			F	69	68	67	93	14	5
10	15	5			H	73	70	68	84	15	7
10	22	6			H	76	70	67	74	16	7
10	26	6			H	75	71	69	82	06	12
10	34	3			RWF	68	67	66	93	31	9
10	110	4			F	67	65	64	90	32	4
DAY 30											
10	3	2			F	67	66	65	93	36	4
8	120	2	8		GF	64	63	62	93	27	3
4	UNL	1	8		GF	66	65	64	93	16	3
7	100	10				73	68	65	76	24	5
7	100	15				77	67	62	60	30	8
10	70	7				69	66	64	84	26	5
0	UNL	5			H	69	66	65	87	18	7
0	UNL	6			H	65	64	63	93	22	5

NOTES

CEILING COLUMN—

UNL indicates an unlimited ceiling.

WEATHER COLUMN—

*	Tornado
T	Thunderstorm
Q	Squall
R	Rain
RW	Rain showers
ZR	Freezing rain
L	Drizzle
ZL	Freezing drizzle
S	Snow
SP	Snow pellets
IC	Ice crystals
SW	Snow showers
SG	Snow grains
IP	Ice pellets
A	Hail
F	Fog
IF	Ice fog
GF	Ground fog
BD	Blowing dust
BN	Blowing sand
BS	Blowing snow
BY	Blowing spray
K	Smoke
H	Haze
D	Dust

WIND COLUMNS—

Directions are those from which the wind blows, indicated in tens of degrees from true North; i. e., 09 for East, 18 for South, 27 for West. Entry of 00 in the direction column indicates calm.

Speed is expressed in knots; multiply by 1.15 to convert to miles per hour.

ADDITIONAL DATA

Other observational data contained in records on file can be furnished at cost via microfilm, microfiche, or paper copies of the original records. Inquiries as to availability and costs should be addressed to: Director, National Climatic Center, Federal Building, Asheville, North Carolina 28801.

STATION: WASHINGTON, D.C. DULLES YEAR & MONTH: 72 06

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