Local Climatological Data

Annual Summary With Comparative Data

1980

WASHINGTON, D.C.

DULLES INTERNATIONAL AIRPORT

Narrative Climatological Summary

Dulles International Airport is located in the Virginia Piedmont about 23 miles east of the Blue Ridge Mountains and 12 miles east of the Bull Run and Catoctin Mountains. The Blue Ridge rises to about 2500 feet above MSL and the Bull Run Mountains to about 1500 feet at their nearest points. About one and one half miles to the east, the general downward slope of the terrain is interrupted by a poorly defined band of low hills that rise to about 150 feet above the airport. Field elevation is 313 feet. The terrain near the airport is mostly low rolling hills about one-fourth wooded. Several artificial ponds located on and near the airport and poor air drainage contribute to the formation of local ground fog. With easterly winds there is an upslope effect from the Atlantic Ocean, 140 miles east, and from the Chesapeake Bay, about 55 miles east. Westerly winds create a slight foehn effect.

Location in the middle latitudes, where the general atmospheric flow is from west to east, favors a continental type of climate with its four well defined seasons. Summers are warm and at times humid, and winters mild; generally pleasant weather prevails in spring and autumn. The coldest period, when minimum temperatures average 23°F, occurs in mid-January; the warmest, with a mean maximum of 87°F, comes the last half of July.

Precipitation is rather evenly distributed through the year. The greatest annual total of precipitation was 59.02 inches in 1972; the least 28.86 inches in 1965. The highest rainfall in a 24-hour period was 11.88 inches, recorded during Tropical Storm Agnes in June 1972. The seasonal snowfall averages near 24 inches but varies greatly from season to season, ranging from 44.6 inches in the 1963-64 season to 2.2 inches in the 1972-73 season. The median number of snowfalls of 4 inches or more is two per season. Snowfalls of 10 inches or more have occurred six times in the 13 seasons since the 1962-63 season. The greatest total from any one storm is 15.4 inches, December 31, 1970 -January 1, 1971.

Storm damage results mainly from heavy snows and freezing rains in winter and from hurricanes and severe thunderstorms during the other seasons. Damage may be from wind, flooding or precipitation alone or in any combination. The most noteworthy storms in the area during this station's operation were Tropical Storm Agnes, June 20-23, 1972, the tornado of April 1, 1973, and the snowstorms of January 29-30, 1966, and December 31, 1970 - January 1, 1971.

Prevailing winds are from the south except during the winter months when they are from the northwest. The windiest period is late winter and early spring. Winds are generally less during the night and early morning hours and increase to a maximum in the afternoon. Winds may reach 50 to 60 miles per hour or even higher during severe summer thunderstorms, hurricanes, and winter storms.

Records for 1963-1975 indicate that the average date of the last 32-degree freeze in the spring is April 27th and the latest is May 11th. The average for the first in autumn is October 13th and the earliest is September 24th. The growing season, often defined as the number of days between the last 32-degree freeze in spring and the first in autumn, averages 169 days.

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Aviation weather statistics, in percentage frequency, based on records from July 1962 through December 1971 are as follows:

Ceiling:	Visibility:	Jan.	Apr.	July	Oct.	Year
Above 3,000 feet and	Above 5 miles	78	80	78	80	89
1,000 to 3,000 feet and/or	3 to 5 miles	7	7	13	9	9
500 to less than 1,000 feet and/or	1 to less than 3 miles	6	8	6	5	6
Less than 500 feet and/or	Less than 1 mile	9	5	3	5	5

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Meteorological Data For The Current Year

Station: WASHINGTON, D.C. # 93738 — DULLES INTERNATIONAL AIRPORT — Standard time used: EASTERN — Latitude: 38° 57' N — Longitude: 77° 27' W — Elevation (ground): 290 feet — Year: 1980

Month	Temperature °F: Averages: Daily maximum	Daily minimum	Monthly	Extremes: Highest	Date	Lowest	Date	Degree days Base 65 °F: Heating	Cooling	Precipitation in inches: Water equivalent: Total	Greatest in 24 hrs.	Date	Snow, Ice pellets: Total	Greatest in 24 hrs.	Date	Relative humidity, pct. (Local time): Hour 01	Hour 07	Hour 13	Hour 19	Wind: Resultant: Direction	Speed m.p.h.	Average speed m.p.h.	Fastest mile: Speed m.p.h.	Direction	Date	Percent of possible sunshine	Average sky cover, tenths, sunrise to sunset	Number of days: Sunrise to sunset: Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog, visibility ¼ mile or less	Temperature °F: Maximum (b) 90° and above	32° and below	Minimum 32° and below	0° and below	Average station pressure mb Elev. 323 feet m.s.l.
JAN	40.7	24.6	32.7	57	16	13	24	993	0	2.95	1.18	18	9.9	7.2	4-5	77	78	61	71	32	4.0	7.7	24	30	23		7.9	3	6	22	10	3	0	1	0	4	29	0	1007.5
FEB	41.5	20.5	31.0	62	21	3	29	977	0	1.00	0.32	22	5.6	2.9	28	72	76	52	58	31	5.4	8.8	29	31	2		5.3	12	7	10	9	2	0	2	0	7	25	0	1006.8
MAR	52.9	30.9	41.9	73	8	6	4	707	0	4.82	1.10	20-21	9.8	6.4	1-2	75	77	54	61	29	3.3	10.0	37	30	22		7.2	5	7	19	17	4	2	1	0	2	17	0	1005.1
APR	67.9	43.3	55.6	81	20	30	17	272	0	3.64	0.86	26-27	0.0	0.0		75	77	49	56	31	1.1	8.2	26	29	16		6.3	9	8	13	13	0	7	1	0	0	2	0	1002.0
MAY	78.9	52.6	65.8	90	13	34	10	69	100	3.86	0.90	20-21	0.0	0.0		79	80	51	60	28	1.6	6.7	40	28	19		6.4	9	8	14	15	0	4	0	1	0	0	0	1002.0
JUN	83.2	55.2	69.2	96	27	43	13	31	165	1.89	0.75	15-16	0.0	0.0		83	78	48	58	26	2.4	6.9	46	27	15		5.3	12	8	10	11	0	6	0	5	0	0	0	1003.7
JUL	90.1	64.5	77.3	101	20	50	1	0	391	4.41	1.63	8	0.0	0.0		85	82	52	66	20	2.1	6.0	48	30	5		4.2	17	9	5	10	0	9	0	17	0	0	0	1003.4
AUG	90.1	64.0	77.1	100	1	51	17	0	380	1.67	0.69	15	0.0	0.0		83	81	49	64	26	1.1	4.4	40	27	1		5.9	8	10	13	8	0	4	0	21	0	0	0	1005.4
SEP	84.5	57.0	70.8	99	2	39	28	33	211	2.70	1.23	24-25	0.0	0.0		82	83	46	63	26	0.6	4.9	23	28	26		5.9	6	13	11	10	0	3	5	11	0	0	0	1007.1
OCT †	67.6	40.5	54.1	84	9	25	31	342	12	2.77	2.22	25	0.0	0.0		81	84	46	64	29	2.2	6.8	31	28	25		5.7	9	12	10	6	0	† 1	3	0	0	8	0	1005.4
NOV	54.0	31.3	42.7	73	8	18	20	664	0	3.42	1.38	24	T	T	27	72	78	51	62	29	3.9	8.7	26	30	25		6.0	8	10	12	9	0	1	3	0	0	16	0	1007.5
DEC	44.9	24.8	34.9	76	8	2	26	928	0	0.68	0.24	24	0.4	0.4	31	71	73	54	64	31	3.4	8.0	35	30	3		6.6	7	7	17	6	0	0	3	0	6	23	0	1009.8
					JUL		DEC					OCT			JAN										JUL														
YEAR	66.4	42.4	54.4	101	20	2	26	5016	1259	33.81	2.22	25	25.7	7.2	4-5	78	79	51	62	29	2.3	7.3	48	30	5		6.1	105	105	156	124	9	37	19	55	19	120	0	1005.5

† DATA CORRECTED AFTER PUBLICATION OF THE MONTHLY ISSUE.

Normals, Means, And Extremes

Month	Temperatures °F: Normal: Daily maximum	Daily minimum	Monthly	Extremes: Record highest	Year	Record lowest	Year	Normal Degree days Base 65 °F: Heating	Cooling	Precipitation in inches: Water equivalent: Normal	Maximum monthly	Year	Minimum monthly	Year	Maximum in 24 hrs.	Year	Snow, Ice pellets: Maximum monthly	Year	Maximum in 24 hrs.	Year	Relative humidity pct. (Local time): Hour 01	Hour 07	Hour 13	Hour 19	Wind: Mean speed m.p.h.	Prevailing direction	Fastest mile: Speed m.p.h.	Direction	Year	Pct. of possible sunshine	Mean sky cover, tenths, sunrise to sunset	Mean number of days: Sunrise to sunset: Clear	Partly cloudy	Cloudy	Precipitation .01 inch or more	Snow, Ice pellets 1.0 inch or more	Thunderstorms	Heavy fog, visibility ¼ mile or less	Temperatures °F: Max. (b) 90° and above	32° and below	Min. 32° and below	0° and below	Average station pressure mb. Elev. 323 feet m.s.l.
(a)				18		18					17		17		17		18		18		11	11	11	11	18		17	17			18	18	18	18	17	18	18	18	18	18	18	18	8
J	41.2	23.0	32.1	75	1975	-8	1970	1020	0	2.84	6.61	1979	1.10	1977	2.13	1976	19.0	1966	15.4	1971	75	78	60	68	8.4		39	20	1978		6.5	8	7	16	10	2	*	4	0	8	26	1	1006.7
F	43.4	24.1	33.8	75	1976	-14	1979	874	0	2.61	5.75	1979	0.25	1978	1.66	1972	27.6	1979	16.3	1979	73	76	53	61	9.0		36	28	1972		6.2	9	6	13	9	2	*	2	0	5	24	1	1006.5
M	52.7	30.9	41.8	84	1979	6	1980	719	0	3.48	4.82	1980	1.24	1966	2.56	1967	10.4	1969	7.2	1969	73	77	52	58	9.3		40	29	1977		6.7	7	8	16	10	1	1	2	0	*	17	0	1005.3
A	65.0	41.1	53.1	90	1976	17	1969	357	0	2.96	7.35	1973	0.93	1967	2.18	1970	1.0	1973	1.0	1973	72	75	47	52	9.0		46	32	1963		6.3	8	9	13	10	*	2	2	*	0	6	0	1004.1
M	74.5	50.6	62.6	97	1969	28	1970	131	57	3.68	8.47	1971	0.80	1964	2.08	1968	T	1963	T	1963	84	83	56	65	7.6		40	28	1980		6.4	7	10	14	12	0	4	2	1	0	1	0	1003.2
J	82.7	59.4	71.1	100	1964	36	1977	5	188	3.61	18.19	1972	0.94	1966	11.88	1972	0.0		0.0		88	85	57	67	6.8		46	27	1980		6.1	7	11	12	10	0	6	2	5	0	0	0	1004.5
J	86.4	64.1	75.3	103	1966	45	1979	0	319	4.12	6.25	1975	1.25	1963	2.36	1968	0.0		0.0		89	86	56	68	6.2		48	30	1980		6.1	8	11	12	10	0	6	3	9	0	0	0	1004.6
A	85.0	62.1	73.6	100	1980	43	1976	0	267	4.25	9.28	1967	1.67	1980	3.89	1967	0.0		0.0		90	89	56	73	5.9		40	27	1980		5.9	8	11	12	10	0	6	3	8	0	0	0	1006.4
S	78.7	55.0	66.9	99	1980	30	1974	43	100	3.29	11.26	1975	0.62	1967	5.54	1966	0.0		0.0		89	90	57	76	6.2		35	25	1967		5.8	9	9	12	8	0	2	4	3	0	*	0	1006.6
O	68.2	43.5	55.9	90	1967	15	1969	291	9	2.74	9.19	1971	T	1963	4.13	1979	1.3	1979	1.3	1979	87	89	55	73	6.7		38	29	1967		5.4	12	7	12	8	*	1	4	*	0	5	0	1007.1
N	55.6	33.7	44.7	84	1971	11	1976	609	0	3.06	7.83	1963	0.46	1965	3.33	1963	11.4	1967	11.4	1967	79	83	56	69	7.7		35	29	1969		6.3	8	8	14	9	*	1	2	0	*	15	0	1007.6
D	43.3	24.7	34.0	76	1980	0	1967	961	0	3.47	6.74	1969	0.42	1965	3.15	1977	24.2	1966	12.1	1969	76	79	58	69	8.0		40	30	1968		6.6	8	6	17	10	1	*	3	0	3	24	*	1007.1
					JUL		FEB					JUN		OCT		JUN		FEB		FEB									JUL															
YR	64.7	42.7	53.7	103	1966	-14	1979	5010	940	40.11	18.19	1972	T	1963	11.88	1972	27.6	1979	16.3	1979	81	83	55	66	7.6		48	30	1980		6.2	99	103	163	116	6	28	33	26	15	117	2	1005.8

(a) Length of record, years, through the current year unless otherwise noted, based on January data.
(b) 70° and above at Alaskan stations.
* Less than one half.
T Trace.

NORMALS - Based on record for the 1941-1970 period.
DATE OF AN EXTREME - The most recent in cases of multiple occurrence.
PREVAILING WIND DIRECTION - Record through 1963.
WIND DIRECTION - Numerals indicate tens of degrees clockwise from true north. 00 indicates calm.
FASTEST MILE WIND - Speed is fastest observed 1-minute value when the direction is in tens of degrees.

WASHINGTON, DC
DULLES INTERNATIONAL AIRPORT

Average Temperature

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1963	28.4	29.3	46.1	53.4	60.1	70.3	76.4	74.3	65.4	59.3	48.6	29.4	53.4
1964	33.4	30.9	43.1	50.6	64.6	73.3	76.3	72.2	66.7	51.9	47.5	38.9	54.1
1965	30.7	35.3	39.2	51.3	66.9	70.1	74.9	75.0	70.4	54.0	45.2	39.4	54.4
1966	28.4	31.7	43.3	48.6	60.8	71.5	76.5	74.0	63.6	51.8	44.9	33.0	52.3
1967	36.6	29.1	42.8	54.8	55.9	71.4	74.5	72.8	63.6	53.7	40.6	36.5	52.7
1968	28.2	30.8	46.2	53.1	58.6	70.0	75.6	75.6	66.8	56.4	46.1	31.9	53.3
1969	29.4	32.2	38.7	55.3	64.3	73.6	77.8	71.9	65.3	52.8	41.9	31.0	52.9
1970	23.9	32.7	37.8	52.5	63.5	68.9	74.0	72.2	69.1	56.3	45.7	36.3	52.8
1971	28.5	36.7	39.7	51.4	60.1	72.6	74.9	72.9	69.7	61.4	44.4	42.2	54.5
1972	35.8	32.6	42.8	51.3	61.8	67.4	75.9	73.3	68.0	51.5	42.0	39.3	53.5
1973	33.6	33.1	48.6	53.1	59.8	74.2	75.9	76.4	69.6	56.9	46.0	35.2	55.2
1974	37.8	32.5	44.6	54.3	61.1	67.1	73.5	74.4	66.3	53.3	46.1	36.6	54.0
1975	34.0	35.0	40.3	49.1	65.2	70.9	74.4	75.5	64.4	57.0	47.2	33.2	53.9
1976	27.5	41.1	44.6	52.9	58.1	70.5	72.2	71.5	64.8	50.5	38.3	31.2	51.9
1977	21.0	34.8	48.9	55.4	64.5	68.3	76.4	76.3	69.9	53.9	47.9	33.0	54.2
1978	27.3	26.7	40.6	54.2	63.4	71.6	74.4	77.2	68.9	53.8	46.8	38.2	53.6
1979	31.2	23.3	46.4	52.2	63.3	68.2	74.2	74.4	66.9	54.6	49.7	40.1	53.7
1980	32.7	31.0	41.9	55.6	65.8	69.2	77.3	77.1	70.8	54.1	42.7	34.9	54.4
RECORD MEAN	30.5	32.1	43.1	52.7	62.1	70.5	75.3	74.3	67.2	54.6	45.1	35.6	53.6
MAX	39.8	42.4	54.3	65.2	74.2	82.3	86.6	85.6	78.8	67.2	56.2	45.2	64.8
MIN	21.1	21.8	31.9	40.2	50.0	58.7	64.0	62.9	55.6	42.0	33.9	25.9	42.3

Heating Degree Days

Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
1962-63							1127	992	576	348	179	16	
1963-64	0	0	76	177	485	1099	971	982	672	430	95	11	4998
1964-65	0	9	55	397	517	800	1057	824	793	406	41	44	4943
1965-66	0	6	35	337	588	785	1128	926	664	491	179	30	5169
1966-67	1	0	105	404	599	981	874	1002	682	317	283	12	5260
1967-68	0	0	98	352	724	876	1136	985	572	350	205	13	5309
1968-69	0	12	16	278	561	1020	1098	913	809	293	91	1	5092
1969-70	0	8	90	376	685	1047	1267	898	837	378	121	17	5724
1970-71	0	0	46	272	573	879	1121	766	776	401	168	5	5027
1971-72	0	2	34	141	631	699	901	935	687	404	117	46	4597
1972-73	2	3	38	414	686	788	964	886	500	371	186	1	4839
1973-74	0	0	24	257	564	917	837	905	631	329	168	21	4653
1974-75	0	0	77	358	574	873	956	837	759	473	75	15	4997
1975-76	0	0	83	247	526	977	1156	688	625	382	232	35	4953
1976-77	0	8	65	447	793	1036	1361	838	508	303	90	41	5492
1977-78	1	2	23	339	521	985	1163	1066	748	317	123	14	5302
1978-79	0	0	58	349	539	824	1040	1163	578	383	115	43	5092
1979-80	7	15	50	337	461	765	993	977	707	272	69	31	4684
1980-81	0	0	33	342	664	928							

Cooling Degree Days

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
1970	0	0	0	10	83	143	288	228	178	9	0	0	939
1971	0	0	0	0	21	237	316	255	181	35	19	0	1064
1972	0	0	6	3	25	123	346	268	134	4	0	0	909
1973	0	0	0	20	30	281	344	358	168	15	0	0	1216
1974	0	0	4	15	53	90	270	299	127	3	11	0	872
1975	0	0	0	4	89	197	298	330	73	10	0	0	1001
1976	0	0	0	28	24	208	232	215	65	7	0	0	779
1977	0	0	13	22	81	147	361	357	175	3	12	0	1171
1978	0	0	0	0	84	219	298	365	185	10	0	0	1179
1979	0	0	9	5	69	147	297	313	112	21	6	0	976
1980	0	0	0	0	100	165	391	380	211	12	0	0	1259

Precipitation

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1963			4.34	1.17	1.52	8.59	1.25	4.70	3.30	T	7.83	2.26	
1964	5.56	4.50	2.82	3.68	0.80	1.36	3.09	2.49	3.72	1.96	1.80	4.19	35.97
1965	3.24	2.58	4.27	2.53	1.77	1.75	3.94	3.75	2.28	1.87	0.46	0.42	28.86
1966	4.22	3.90	1.24	4.38	3.84	0.94	2.17	1.79	9.39	3.01	1.50	3.67	40.05
1967	1.12	2.18	4.74	0.93	4.37	1.68	3.38	9.28	0.62	2.79	2.61	5.69	39.39
1968	2.31	0.68	3.36	1.29	5.90	5.20	4.08	4.90	2.10	2.77	3.57	2.32	38.48
1969	2.07	1.69	2.04	1.34	0.99	5.55	4.90	5.07	4.89	0.85	2.11	6.74	38.24
1970	1.32	2.76	2.98	4.19	2.86	2.48	6.00	2.65	1.03	2.79	6.00	3.88	38.94
1971	2.27	4.68	2.27	2.56	8.47	2.81	2.15	4.45	3.63	9.19	3.13	1.00	46.61
1972	2.28	5.44	2.37	4.40	4.76	18.19	1.53	2.09	1.40	3.44	7.09	6.06	59.05
1973	2.25	2.84	2.66	7.35	3.97	1.91	4.99	3.18	3.14	2.67	0.81	5.72	41.49
1974	3.07	1.14	3.09	2.14	3.78	5.41	2.69	4.84	4.02	0.71	1.97	5.26	38.12
1975	2.76	1.97	4.38	2.58	2.99	7.08	6.25	5.38	11.26	2.34	1.64	4.01	52.64
1976	2.81	1.42	4.15	1.31	4.18	2.88	2.33	3.13	3.75	7.88	0.57	1.78	36.19
1977	1.10	0.49	3.59	2.58	2.33	3.09	3.25	4.18	1.74	4.19	4.51	4.87	35.92
1978	6.55	0.25	2.85	1.62	5.05	4.36	4.52	4.29	0.78	0.79	3.02	3.58	37.66
1979	6.61	5.75	3.50	2.05	4.89	4.64	2.18	6.05	7.58	6.65	2.65	0.88	55.43
1980	2.95	1.00	4.82	3.64	3.86	1.89	4.41	1.67	2.70	2.77	3.42	0.68	33.81
RECORD MEAN	3.09	2.55	3.30	2.76	3.69	4.43	3.51	4.11	3.74	3.26	3.04	3.50	40.98

Snowfall

Season	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Total
1962-63							1.7	3.6	1.0	0.0	T	0.0	
1963-64	0.0	0.0	0.0	0.0	T	9.0	10.8	14.9	9.3	0.6	0.0	0.0	44.6
1964-65	0.0	0.0	0.0	0.0	0.2	1.0	10.1	2.1	2.9	T	0.0	0.0	16.3
1965-66	0.0	0.0	0.0	0.0	T	0.3	19.0	11.3	T	T	0.0	0.0	30.6
1966-67	0.0	0.0	0.0	0.0	0.1	24.2	1.4	18.0	0.7	0.0	0.0	0.0	44.4
1967-68	0.0	0.0	0.0	0.0	11.4	4.9	3.3	4.5	6.4	0.0	0.0	0.0	30.5
1968-69	0.0	0.0	0.0	0.0	5.8	T	0.1	7.2	10.4	0.0	0.0	0.0	23.5
1969-70	0.0	0.0	0.0	0.0	T	15.9	9.8	3.6	0.9	T	0.0	0.0	30.2
1970-71	0.0	0.0	0.0	0.0	T	9.2	7.5	0.2	2.4	0.3	0.0	0.0	19.6
1971-72	0.0	0.0	0.0	0.0	2.9	T	T	16.9	0.2	0.4	0.0	0.0	20.4
1972-73	0.0	0.0	0.0	0.1	0.6	0.0	T	0.3	0.2	1.0	0.0	0.0	2.2
1973-74	0.0	0.0	0.0	0.0	T	10.7	1.0	7.0	0.2	0.0	0.0	0.0	18.9
1974-75	0.0	0.0	0.0	T	T	1.0	7.5	8.1	1.2	T	0.0	0.0	17.8
1975-76	0.0	0.0	0.0	0.0	T	0.9	1.6	0.2	6.4	0.0	0.0	0.0	9.1
1976-77	0.0	0.0	0.0	0.0	0.8	0.6	9.2	T	0.0	T	0.0	0.0	10.6
1977-78	0.0	0.0	0.0	T	0.1	1.1	13.4	2.5	10.3	0.0	0.0	0.0	27.4
1978-79	0.0	0.0	0.0	0.0	4.0	T	8.8	27.6	0.2	0.0	0.0	0.0	40.6
1979-80	0.0	0.0	0.0	1.3	0.0	0.2	9.9	5.6	9.8	0.0	0.0	0.0	26.8
1980-81	0.0	0.0	0.0	0.0	T	0.4							
RECORD MEAN	0.0	0.0	0.0	0.1	1.4	4.4	6.4	7.4	3.5	0.1	T	0.0	23.3

# Indicates a station move or relocation of instruments. See Station Location table.

Record mean values above are means through the current year for the period beginning in 1963.

STATION LOCATION

WASHINGTON, D. C.
DULLES INTERNATIONAL AIRPORT

Location	Occupied from	Occupied to	Airline distance and direction from previous location	Latitude North	Longitude West	Elevation above Sea level: Ground at temperature site	Elevation above Ground: Wind instruments	Extreme thermometers	Psychrometer	Sunshine Switch	Tipping bucket rain gage	Weighing rain gage	8" rain gage	Hygrothermometer	Automatic Observing Equipment *	* Type M = AMOS T = AUTOB	Remarks
Telephone Building Dulles International AP (22 mi. W city center)	11/17/62	Present	NA	38° 57'	77° 27'	290	d20	NA b37	5 b36	NA	NA	NA	a34	c5	NA		a - Installed 3/1/63. b - Effective 10/10/74. c - Minor move 12/3/74. d - Minor move 2/19/75.

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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.

Daniel B. Mitchell
Director, National Climatic Center

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