

1999

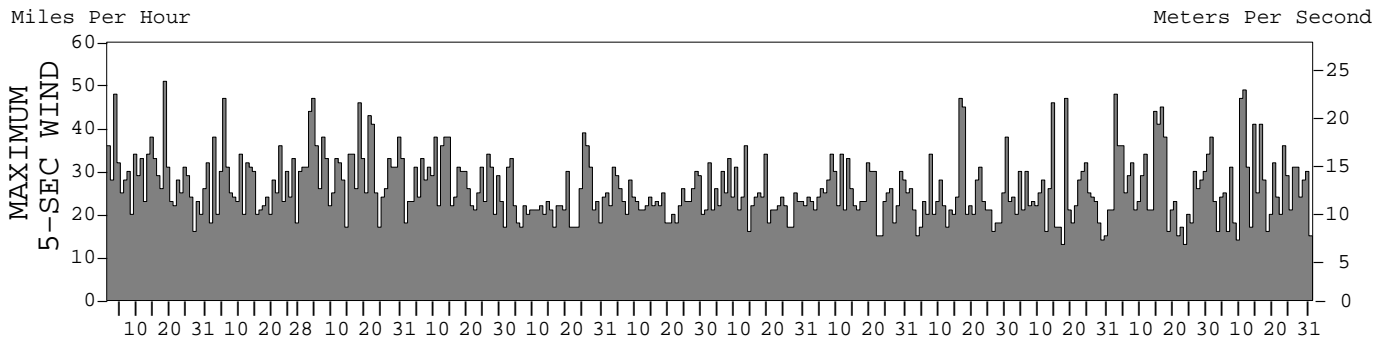
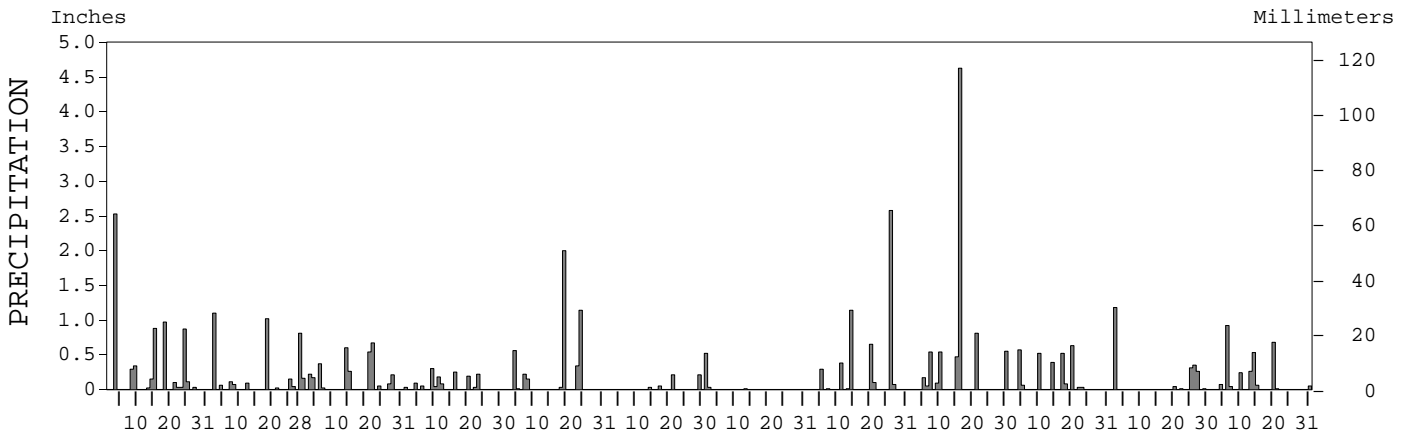
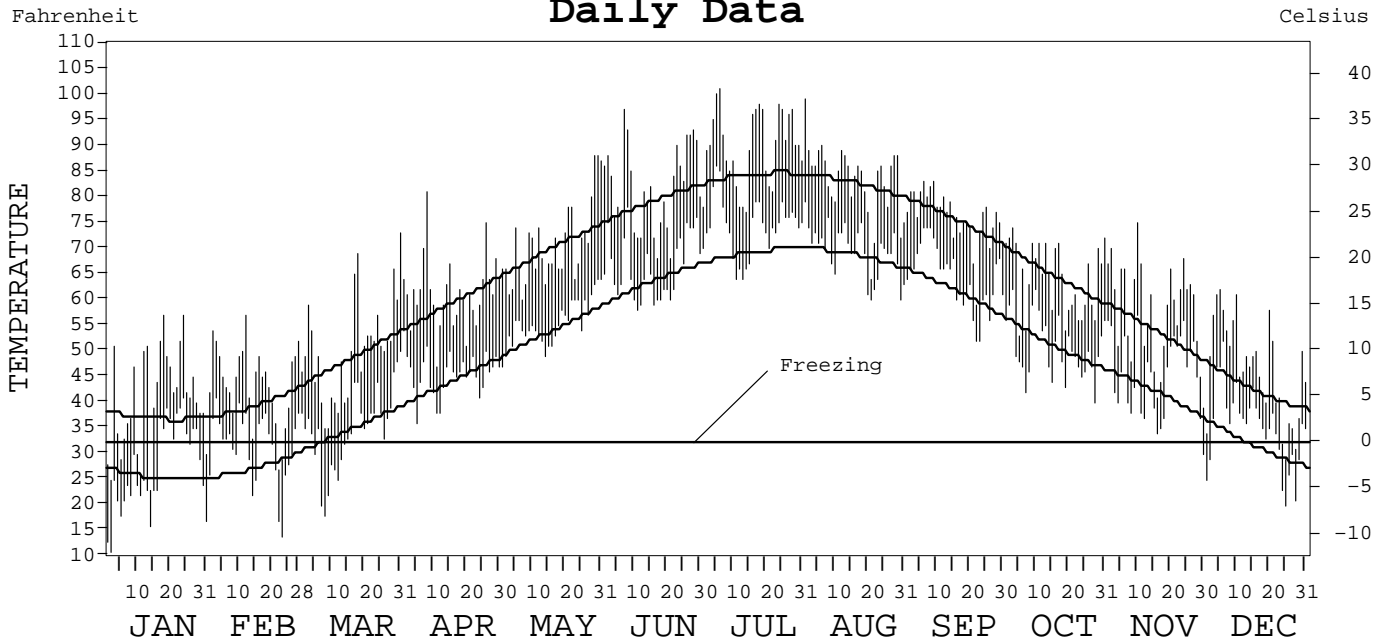
LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0198-3636

NEW YORK, NY
LA GUARDIA AIRPORT (LGA)

Daily Data



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Thomas R. Karl

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	NATIONAL ENVIRONMENTAL AND INFORMATION SERVICE	NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE	NATIONAL CLIMATIC DATA CENTER ASHEVILLE, NORTH CAROLINA	DIRECTOR NATIONAL CLIMATIC DATA CENTER
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METEOROLOGICAL DATA FOR 1999

NEW YORK, NY (LGA)

LATITUDE: 40° 46' 44" N LONGITUDE: 73° 52' 51" W ELEVATION (FT): GRND: 37 BARO: 37 TIME ZONE: EASTERN (UTC + 5) WBAN: 14732

	ELEMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	40.5	43.7	50.3	61.3	70.7	81.7	89.7	83.3	76.1	64.3	57.7	46.5	63.8	
	HIGHEST DAILY MAXIMUM	57	57	73	81	88	97	101	99	83	74	75	62	101	
	DATE OF OCCURRENCE	24+	12	31	08	30+	07	06	01	09+	03	10	05	JUL 06	
	MEAN DAILY MINIMUM	27.3	31.5	35.0	45.5	55.5	66.2	74.1	69.5	64.4	50.7	45.2	35.2	50.0	
	LOWEST DAILY MINIMUM	11	14	18	36	47	58	64	60	52	40	27	20	11	
	DATE OF OCCURRENCE	02	23	08	05	01	11	13+	30+	23+	28	18	25	JAN 02	
	AVERAGE DRY BULB	33.9	37.6	42.7	53.4	63.1	74.0	81.9	76.4	70.3	57.5	51.5	40.9	56.9	
	MEAN WET BULB	30.9	33.1	35.8	44.6	54.8	64.5	70.2	67.1	63.6	51.5	45.2	36.4	49.8	
	MEAN DEW POINT	23.4	24.4	24.9	33.6	47.6	58.6	64.1	61.6	59.3	45.1	37.2	28.7	42.4	
	NUMBER OF DAYS WITH:														
	MAXIMUM ≥ 90°	0	0	0	0	0	7	17	2	0	0	0	0	0	26
	MAXIMUM ≤ 32°	7	2	0	0	0	0	0	0	0	0	0	3	12	
	MINIMUM ≤ 32°	20	13	9	0	0	0	0	0	0	0	1	9	52	
MINIMUM ≤ 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	956	759	685	341	100	2	0	3	16	228	398	741	4229	
	COOLING DEGREE DAYS	0	0	0	1	47	279	528	365	180	4	1	0	1405	
RH	MEAN (PERCENT)	67	62	54	52	62	62	58	65	71	66	62	64	62	
	HOUR 01 LST	69	65	59	58	69	69	66	70	77	72	66	67	67	
	HOUR 07 LST	72	66	63	58	70	69	64	73	81	74	69	69	69	
	HOUR 13 LST	65	56	45	44	52	50	47	52	60	55	55	59	53	
	HOUR 19 LST	64	62	51	48	57	57	57	64	68	62	57	63	59	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	2	4	1	0	3	0	0	1	0	2	2	0	15	
	THUNDERSTORMS	1	1	2	2	2	2	4	6	0	2	1	0	23	
CLOUDINESS	SUNRISE-SUNSET: (OKTAS)														
	CEILOMETER (≤ 12,000 FT.)														
	SATELLITE (> 12,000 FT.)														
	MIDNIGHT-MIDNIGHT: (OKTAS)														
	CEILOMETER (≤ 12,000 FT.)														
	SATELLITE (> 12,000 FT.)														
PR	NUMBER OF DAYS WITH:														
	CLEAR														
	PARTLY CLOUDY														
	CLOUDY														
PR	MEAN STATION PRESS. (IN.)	30.13	30.01	29.92	29.91	29.99	30.03	29.91	29.91	29.96	30.08	30.05	30.03	29.99	
	MEAN SEA-LEVEL PRESS. (IN.)	30.16	30.04	29.95	29.94	30.02	30.06	29.94	29.94	29.99	30.11	30.09	30.07	30.03	
WINDS	RESULTANT SPEED (MPH)	3.9	5.3	7.1	4.3	1.3	1.2	0.4	1.1	0.7	3.7	5.7	5.7	2.7	
	RES. DIR. (TENS OF DEGS.)	32	34	32	33	06	11	21	04	10	29	29	31	32	
	MEAN SPEED (MPH)	11.9	11.2	14.6	11.5	9.4	10.1	9.3	10.1	10.7	10.2	12.3	11.9	11.1	
	PREVAIL. DIR. (TENS OF DEGS.)	05	32	32	05	05	05	18	18	05	23	32	28	05	
	MAXIMUM 2-MINUTE WIND:														
	SPEED (MPH)	40	38	34	32	32	26	26	28	39	38	38	38	40	
	DIR. (TENS OF DEGS.)	26	32	28	32	24	32	25	18	06	30	32	29	26	
	DATE OF OCCURRENCE	18	05	18+	14	25	03	19+	13+	16	14	14	11	JAN 18	
	MAXIMUM 5-SECOND WIND:														
	SPEED (MPH)	51	47	47	38	39	31	36	34	47	47	48	49	51	
DIR. (TENS OF DEGS.)	27	31	19	32	24	33	05	02	34	34	16	30	27		
DATE OF OCCURRENCE	18	05	04	14+	25	03	13	11+	16	18	02	11	JAN 18		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	6.35	3.47	3.35	1.46	4.45	0.50	0.56	5.23	7.85	2.83	2.16	2.86	41.07	
	GREATEST 24-HOUR (IN.)	2.53	1.10	1.21	0.34	2.01	0.21	0.52	2.65	4.79	0.63	1.18	0.96	4.79	
	DATE OF OCCURRENCE	03	02	21-22	09-10	18-19	29+	01	26-27	15-16	20	02	06-07	SEP 15-16	
	NUMBER OF DAYS WITH:														
	PRECIPITATION ≥ 0.01	13	10	12	11	8	4	3	9	9	9	7	10	105	
PRECIPITATION ≥ 0.10	9	5	9	5	6	2	1	6	7	5	4	5	64		
PRECIPITATION ≥ 1.00	1	2	0	0	2	0	0	2	1	0	1	0	9		
SNOWFALL	SNOW, ICE PELLETS, HAIL:														
	TOTAL (IN.)	5.1	2.7	4.8	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	12.6	
	GREATEST 24-HOUR (IN.)	2.6	1.5	2.5	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	2.6	
	DATE OF OCCURRENCE	08	25	15	11								31+	JAN 08	
	MAXIMUM SNOW DEPTH (IN.)	1	1	4	0	0	0	0	0	0	0	0	0	4	
	DATE OF OCCURRENCE	15+	26	15										MAR 15	
NUMBER OF DAYS WITH:															
SNOWFALL ≥ 1.0	2	1	2	0	0	0	0	0	0	0	0	0	5		

PRECIPITATION (inches) 1999 NEW YORK, LA GUARDIA FIELD, NY (LGA)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1970	0.76	3.24	3.16	2.36	2.02	2.36	1.18	2.68	1.70	1.45	4.59	1.86	27.36
1971	2.27	4.10	3.08	2.08	3.37	2.21	6.32	8.38	4.93	3.32	4.58	1.55	46.19
1972	2.02	4.80	4.12	3.19	6.85	8.15	3.47	0.94	1.65	4.91	9.92	4.66	54.68
1973	3.47	3.02	3.47	7.17	4.21	6.79	4.90	2.32	2.63	2.73	1.54	7.70	49.95
1974	2.78	1.28	4.45	2.94	3.82	2.51	1.43	6.07	6.90	2.03	1.01	6.38	41.60
1975	4.50	3.20	2.81	2.77	3.79	7.19	12.33	3.60	9.63	3.36	3.92	3.69	60.79
1976	5.42	2.94	2.30	2.45	3.87	2.74	1.00	5.95	2.82	4.62	0.31	2.23	36.65
1977	2.02	2.13	6.57	2.93	1.82	3.56	1.53	4.48	4.80	5.84	8.30	4.86	48.84
1978	6.11	0.92	2.14	1.95	8.15	1.30	3.79	4.01	3.93	1.41	2.24	4.90	40.85
1979	8.68	4.28	3.76	3.55	4.32	1.51	1.37	4.80	4.07	3.83	3.04	2.57	45.78
1980	1.94	0.95	8.65	6.55	2.14	3.43	4.74	1.32	1.16	3.15	4.17	0.61	38.81
1981	0.51	5.42	1.11	3.01	3.32	2.32	5.73	0.31	2.99	3.21	1.63	4.65	34.21
1982	4.81	2.25	2.39	4.14	2.03	4.70	2.97	3.11	1.41	1.65	3.19	1.42	34.07
1983	4.14	2.90	8.22	11.51	3.77	1.95	3.41	2.67	3.47	7.32	4.85	6.63	60.84
1984	1.51	4.31	5.19	5.26	9.27	6.85	5.75	1.19	2.65	3.01	3.13	2.58	50.70
1985	0.76	1.81	1.81	0.99	5.18	4.48	5.77	2.80	4.23	1.18	7.00	0.63	36.64
1986	4.50	2.74	1.91	3.65	1.45	1.43	3.90	4.60	1.84	1.71	5.94	5.19	38.86
1987	5.43	0.78	4.45	4.79	1.12	6.36	4.42	4.32	3.72	4.01	2.60	2.28	44.28
1988	2.58	3.44	1.98	2.09	4.45	0.94	8.47	1.83	2.59	3.08	7.76	1.18	40.39
1989	2.54	2.83	4.23	3.03	8.83	6.90	5.49	7.21	5.40	5.45	2.53	0.78	55.22
1990	4.10	1.56	2.74	5.30	7.63	2.13	2.77	10.31	1.90	5.72	2.18	4.88	51.22
1991	3.03	1.92	3.69	3.06	2.99	3.31	3.39	6.78	3.56	1.22	1.72	3.49	38.16
1992	1.39	1.43	4.07	1.52	2.87	3.25	4.38	4.12	2.58	1.05	5.27	5.47	37.40
1993	3.05	3.25	6.45	3.49	2.31	1.71	1.70	6.11	5.22	4.07	1.37	4.43	43.16
1994	4.74	2.83	6.25	2.35	4.49	2.55	4.44	5.39	2.75	1.36	3.60	2.74	43.49
1995	3.43	3.26	1.16	1.84	2.69	2.40	5.51	0.12	2.76	5.61	4.36	2.17	35.31
1996	4.11	2.14	3.88	5.10	2.12	4.57	4.73	2.32	5.00	5.94	2.93	6.29	49.13
1997	3.68	2.83	5.08	2.95	3.19	1.64	10.49	4.02	1.77	1.86	4.20	3.66	45.37
1998	4.67	4.28	5.33	5.86	5.98	5.30	1.14	4.29	4.10	1.75	1.48	1.03	45.21
1999	6.35	3.47	3.35	1.46	4.45	0.50	0.56	5.23	7.85	2.83	2.16	2.86	41.07
POR= 59 YRS	3.24	2.95	3.96	3.62	3.75	3.21	3.94	4.28	3.39	3.11	3.72	3.50	42.67

WBAN : 14732

AVERAGE TEMPERATURE (°F) 1999 NEW YORK, LA GUARDIA FIELD, NY (LGA)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1970	26.0	32.7	38.4	51.1	62.6	70.5	77.1	77.5	70.4	59.2	49.6	36.2	54.3
1971	28.8	36.0	39.8	49.6	59.4	72.1	76.1	74.8	70.9	62.4	44.5	40.0	54.5
1972	34.2	30.6	37.8	47.6	59.7	65.8	74.6	73.6	67.8	52.2	43.1	38.5	52.1
1973	35.1	32.5	45.0	53.0	58.9	72.7	76.8	77.5	69.3	60.1	48.7	39.4	55.8
1974	35.6	31.9	41.7	54.2	59.9	68.9	76.8	75.7	66.2	53.8	47.8	39.5	54.3
1975	37.1	35.5	39.6	47.1	64.3	69.7	75.7	74.1	64.5	59.4	52.6	37.1	54.7
1976	28.8	40.7	44.8	55.6	61.5	74.1	75.8	75.0	67.5	54.5	43.0	30.7	54.3
1977	22.3	33.2	45.7	52.6	64.1	69.4	77.2	74.8	67.2	54.8	47.3	35.7	53.7
1978	28.8	26.9	38.6	50.3	59.6	70.0	73.8	75.4	65.3	55.7	48.2	38.0	52.6
1979	31.6	23.0	44.2	49.9	63.0	68.9	77.1	75.5	68.2	56.0	50.2	39.0	53.9
1980	32.7	30.7	40.2	53.2	64.7	70.1	78.7	78.2	70.4	55.7	43.1	30.8	54.0
1981	24.7	38.4	41.3	54.3	63.8	72.7	78.2	75.7	66.4	53.9	47.0	36.6	54.4
1982	25.3	35.1	41.1	50.2	63.3	66.8	76.3	72.4	66.9	57.4	49.0	41.8	53.8
1983	34.4	35.0	43.2	51.7	58.9	72.5	78.3	76.7	70.7	57.4	48.0	35.1	55.2
1984	29.3	39.2	35.3	50.3	61.3	73.6	73.5	76.3	65.7	62.5	46.4	43.3	54.7
1985	28.4	35.6	44.9	53.9	64.6	68.8	76.6	75.8	70.7	59.5	50.6	34.7	55.3
1986	34.0	31.6	43.8	53.1	65.4	71.5	76.1	73.4	67.9	58.0	45.9	39.3	55.0
1987	32.7	33.1	44.6	52.7	63.3	73.0	77.7	74.0	68.1	54.5	47.9	39.9	55.1
1988	29.8	35.1	43.0	50.8	62.2	72.1	78.6	78.8	67.9	53.0	49.5	36.6	54.8
1989	37.6	34.3	41.7	51.4	62.5	72.9	76.2	75.3	69.7	59.3	46.4	26.1	54.5
1990	41.1	39.9	44.0	53.0	59.7	72.4	77.1	76.3	68.8	63.1	51.0	43.2	57.5
1991	35.4	40.3	44.8	55.6	69.1	74.8	78.8	78.3	69.0	59.6	48.7	40.3	57.9
1992	35.9	36.5	40.3	50.4	61.2	71.2	75.4	73.9	68.4	55.6	46.5	38.0	54.4
1993	36.5	30.4	38.1	52.5	65.2	73.2	80.0	77.4	68.4	56.7	48.8	37.8	55.4
1994	25.9	30.3	40.6	55.5	62.2	75.6	80.6	75.3	68.8	58.4	51.8	42.3	55.6
1995	37.9	31.8	45.0	52.0	62.4	72.4	79.8	79.1	68.6	63.1	45.2	34.1	56.0
1996	32.1	35.2	40.1	52.2	61.0	71.5	74.5	75.7	69.8	57.9	43.9	41.8	54.6
1997	32.7	40.5	42.0	52.6	60.0	72.4	77.1	75.0	68.8	58.3	45.4	39.1	55.3
1998	40.2	40.8	45.0	53.8	64.8	70.0	78.0	77.9	71.7	58.9	49.0	44.0	57.8
1999	33.9	37.6	42.7	53.4	63.1	74.0	81.9	76.4	70.3	57.5	51.5	40.9	56.9
POR= 59 YRS	32.3	34.0	41.6	51.8	62.1	71.4	75.5	75.4	68.6	58.0	47.6	36.9	54.6

WBAN : 14732

HEATING DEGREE DAYS (base 65°F) 1999 NEW YORK, LA GUARDIA FIELD, NY (LGA)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1970-71	0	0	26	200	456	886	1117	807	774	455	179	11	4911
1971-72	0	1	17	108	612	768	945	987	837	520	164	43	5002
1972-73	4	0	37	389	653	813	920	904	613	371	195	4	4903
1973-74	0	0	30	167	485	785	903	919	713	331	186	27	4546
1974-75	0	0	63	341	512	783	858	819	778	529	105	14	4802
1975-76	0	4	56	188	372	857	1118	695	618	320	134	14	4376
1976-77	0	2	36	324	654	1061	1316	883	591	377	115	28	5387
1977-78	0	0	59	309	524	901	1119	1061	812	436	203	16	5440
1978-79	5	0	72	287	498	831	1031	1173	637	446	94	15	5089
1979-80	2	5	32	295	440	802	997	988	764	350	74	21	4770
1980-81	0	0	24	292	651	1052	1241	739	728	316	97	4	5144
1981-82	0	0	63	338	532	875	1222	832	737	443	79	49	5170
1982-83	0	6	36	253	482	712	942	832	669	402	187	5	4526
1983-84	0	2	48	259	505	919	1102	740	913	436	147	9	5080
1984-85	0	0	74	101	552	666	1127	820	620	338	87	20	4405
1985-86	0	0	17	183	428	934	955	929	649	350	98	12	4555
1986-87	0	9	25	235	561	787	995	886	623	361	149	7	4638
1987-88	0	2	24	321	508	772	1083	862	674	421	134	31	4832
1988-89	3	0	22	376	455	872	844	854	719	402	137	9	4693
1989-90	0	0	38	182	552	1198	735	698	645	367	159	3	4577
1990-91	2	0	38	145	421	670	911	687	619	312	51	4	3860
1991-92	0	0	45	190	482	758	894	819	756	431	156	10	4541
1992-93	0	1	47	293	546	831	875	964	828	369	61	9	4824
1993-94	0	0	51	256	484	837	1206	964	751	286	132	2	4969
1994-95	0	0	12	205	389	699	834	923	613	383	122	1	4181
1995-96	0	0	39	111	585	950	1014	859	769	382	184	6	4899
1996-97	0	0	24	217	623	709	991	681	705	366	155	30	4501
1997-98	1	0	35	244	580	795	759	671	630	328	97	17	4157
1998-99	0	0	11	188	474	644	956	759	685	341	100	2	4160
1999-	0	3	16	228	398	741							

WBAN : 14732

COOLING DEGREE DAYS (base 65°F) 1999 NEW YORK, LA GUARDIA FIELD, NY (LGA)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1970	0	0	0	2	54	180	382	395	196	27	0	0	1236
1971	0	0	0	0	12	229	352	308	199	32	6	0	1138
1972	0	0	0	2	8	77	311	274	129	0	0	0	801
1973	0	0	0	14	16	242	372	397	164	24	0	0	1229
1974	0	0	0	16	35	149	371	338	104	0	4	0	1017
1975	0	0	0	0	87	160	338	293	46	20	9	0	953
1976	0	0	0	44	31	293	344	322	119	5	0	0	1158
1977	0	0	0	10	93	166	387	311	130	0	0	0	1097
1978	0	0	0	0	44	172	286	326	86	5	0	0	919
1979	0	0	0	0	41	138	382	335	131	22	0	0	1049
1980	0	0	0	0	71	180	430	413	192	8	0	0	1294
1981	0	0	0	0	66	243	413	336	111	0	0	0	1169
1982	0	0	0	5	32	112	358	239	100	25	6	0	877
1983	0	0	0	9	4	233	417	368	222	31	0	0	1284
1984	0	0	0	0	39	274	271	355	100	31	0	0	1070
1985	0	0	1	11	81	139	368	340	193	20	3	0	1156
1986	0	0	0	0	118	213	352	276	118	26	0	0	1103
1987	0	0	0	1	102	251	398	289	124	0	2	0	1167
1988	0	0	0	0	55	248	431	438	116	11	0	0	1299
1989	0	0	2	0	65	253	351	328	183	15	0	0	1197
1990	0	0	0	17	4	234	381	356	158	95	7	0	1252
1991	0	0	0	34	184	303	435	421	174	30	0	0	1581
1992	0	0	0	1	45	202	327	284	153	10	0	0	1022
1993	0	0	0	0	74	261	474	390	157	5	4	0	1365
1994	0	0	0	5	51	325	490	327	133	4	0	0	1335
1995	0	0	0	0	49	228	466	444	152	57	0	0	1396
1996	0	0	0	2	68	209	306	337	175	6	0	0	1103
1997	0	0	0	0	7	258	381	319	152	41	0	0	1158
1998	0	0	18	1	98	175	408	408	218	8	0	2	1336
1999	0	0	0	1	47	279	528	365	180	4	1	0	1405

SNOWFALL (inches) 1999 NEW YORK, LA GUARDIA FIELD, NY (LGA)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1970-71	0.0	0.0	0.0	0.0	0.0	1.9	10.4	0.3	2.3	1.0	0.0	0.0	15.9
1971-72	0.0	0.0	0.0	0.0	T	T	2.2	17.2	2.7	0.1	0.0	0.0	22.2
1972-73	0.0	0.0	0.0	T	T	T	0.9	1.0	T	T	0.0	0.0	1.9
1973-74	0.0	0.0	0.0	0.0	0.0	2.2	6.4	7.8	2.2	0.3	0.0	0.0	18.9
1974-75	0.0	0.0	0.0	0.0	T	0.4	1.8	9.1	0.4	T	0.0	0.0	11.7
1975-76	0.0	0.0	0.0	0.0	T	3.0	6.1	4.8	2.8	0.0	0.0	0.0	16.7
1976-77	0.0	0.0	0.0	0.0	T	4.9	10.9	5.8	0.4	T	T	0.0	22.0
1977-78	0.0	0.0	0.0	0.0	T	0.3	16.6	18.7	7.9	0.0	0.0	0.0	43.5
1978-79	0.0	0.0	0.0	0.0	2.3	0.2	6.0	17.4	T	T	0.0	0.0	25.9
1979-80	0.0	0.0	0.0	T	0.0	3.2	2.3	1.6	3.2	0.0	0.0	0.0	10.3
1980-81	0.0	0.0	0.0	0.0	0.2	1.8	7.7	T	6.4	0.0	0.0	0.0	16.1
1981-82	0.0	0.0	0.0	0.0	T	3.6	13.1	0.4	0.3	8.2	0.0	0.0	25.6
1982-83	0.0	0.0	0.0	0.0	0.0	2.1	1.7	26.4	T	T	0.0	0.0	30.2
1983-84	0.0	0.0	0.0	0.0	T	1.6	9.8	T	12.7	0.0	0.0	0.0	24.1
1984-85	0.0	0.0	0.0	0.0	T	5.5	8.3	8.8	0.3	T	0.0	0.0	22.9
1985-86	0.0	0.0	0.0	0.0	0.4	0.9	2.8	14.3	T	T	0.0	0.0	18.4
1986-87	0.0	0.0	0.0	0.0	T	T	16.3	6.0	0.9	0.0	0.0	0.0	23.2
1987-88	0.0	0.0	0.0	0.0	T	4.2	15.5	1.3	0.1	T	0.0	0.0	21.1
1988-89	0.0	0.0	0.0	0.0	0.0	0.4	6.4	1.6	2.4	0.0	0.0	0.0	10.8
1989-90	0.0	0.0	0.0	0.0	6.1	2.7	3.0	3.8	4.4	0.9	0.0	0.0	20.9
1990-91	0.0	0.0	0.0	0.0	0.0	7.3	6.2	8.3	0.1	0.0	0.0	0.0	21.9
1991-92	0.0	0.0	0.0	0.0	0.0	1.5	1.3	1.3	10.2	T	0.0	0.0	14.3
1992-93	0.0	0.0	0.0	T	T	0.5	2.2	13.6	15.4	0.0	0.0	0.0	31.7
1993-94	0.0	0.0	0.0	0.0	0.0	10.4	13.0	25.6	9.5	0.0	0.0	0.0	58.5
1994-95	0.0	0.0	0.0	0.0	T	T	0.3	12.1	T	0.0	0.0	0.0	12.4
1995-96	0.0	0.0	0.0	0.0	2.4	17.7	27.6	18.5	11.5	0.2	0.0	0.0	77.9
1996-97	0.0	0.0	0.0	0.0	T	0.2	3.1	4.9	2.7	0.3	0.0	0.0	11.2
1997-98	T	0.0	0.0	0.0	0.1	1.6	0.7	T	4.7	0.0	0.0	0.0	7.1
1998-99	0.0	0.0	0.0	0.0	0.0	2.0	5.1	2.7	4.8	T	0.0	0.0	14.6
1999-	0.0	0.0	0.0	0.0	0.0	T							
POR= 54 YRS	0.0	0.0	0.0	0.0	0.5	4.7	6.8	8.1	4.5	0.6	T	0.0	25.2

WBAN : 14732

REFERENCE NOTES:

<p>PAGE 1: THE TEMPERATURE GRAPH SHOWS NORMAL MAXIMUM AND NORMAL MINIMUM DAILY TEMPERATURES (SOLID CURVES) AND THE ACTUAL DAILY HIGH AND LOW TEMPERATURES (VERTICAL BARS).</p> <p>PAGE 2 AND 3: H/C INDICATES HEATING AND COOLING DEGREE DAYS. RH INDICATES RELATIVE HUMIDITY W/O INDICATES WEATHER AND OBSTRUCTIONS S INDICATES SUNSHINE. PR INDICATES PRESSURE. CLOUDINESS ON PAGE 3 IS THE SUM OF THE CEILOMETER AND SATELLITE DATA NOT TO EXCEED EIGHT EIGHTHS(OKTAS).</p> <p>GENERAL: T INDICATES TRACE PRECIPITATION, AN AMOUNT GREATER THAN ZERO BUT LESS THAN THE LOWEST REPORTABLE VALUE. + INDICATES THE VALUE ALSO OCCURS ON EARLIER DATES. BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA. NORMALS ARE 30-YEAR AVERAGES (1961 - 1990). ASOS INDICATES AUTOMATED SURFACE OBSERVING SYSTEM. PM INDICATES THE LAST DAY OF THE PREVIOUS MONTH. POR (PERIOD OF RECORD) BEGINS WITH THE JANUARY DATA MONTH AND IS THE NUMBER OF YEARS USED TO COMPUTE THE MEAN. INDIVIDUAL MONTHS WITHIN THE POR MAY BE MISSING. WHEN THE POR FOR A NORMAL IS LESS THAN 30 YEARS, THE NORMAL IS PROVISIONAL AND IS BASED ON THE NUMBER OF YEARS INDICATED. 0.* OR * INDICATES THE VALUE OR MEAN-DAYS-WITH IS BETWEEN 0.00 AND 0.05. CLOUDINESS FOR ASOS STATIONS DIFFERS FROM THE NON-ASOS OBSERVATION TAKEN BY A HUMAN OBSERVER. ASOS STATION CLOUDINESS IS BASED ON TIME-AVERAGED CEILOMETER DATA FOR CLOUDS AT OR BELOW 12,000 FEET AND ON SATELLITE DATA FOR CLOUDS ABOVE 12,000 FEET. THE NUMBER OF DAYS WITH CLEAR, PARTLY CLOUDY, AND CLOUDY CONDITIONS FOR ASOS STATIONS IS THE SUM OF THE CEILOMETER AND SATELLITE DATA FOR THE SUNRISE TO SUNSET PERIOD.</p>	<p>GENERAL CONTINUED: CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS. WHEN AT LEAST ONE OF THE ELEMENTS (CEILOMETER OR SATELLITE) IS MISSING, THE DAILY CLOUDINESS IS NOT COMPUTED. WIND DIRECTION IS RECORDED IN TENS OF DEGREES (2 DIGITS) CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM. "36" INDICATES TRUE NORTH. RESULTANT WIND IS THE VECTOR AVERAGE OF THE SPEED AND DIRECTION. AVERAGE TEMPERATURE IS THE SUM OF THE MEAN DAILY MAXIMUM AND MINIMUM TEMPERATURE DIVIDED BY 2. SNOWFALL DATA COMPRISE ALL FORMS OF FROZEN PRECIPITATION, INCLUDING HAIL. A HEATING (COOLING) DEGREE DAY IS THE DIFFERENCE BETWEEN THE AVERAGE DAILY TEMPERATURE AND 65° F. DRY BULB IS THE TEMPERATURE OF THE AMBIENT AIR. DEW POINT IS THE TEMPERATURE TO WHICH THE AIR MUST BE COOLED TO ACHIEVE 100 PERCENT RELATIVE HUMIDITY. WET BULB IS THE TEMPERATURE THE AIR WOULD HAVE IF THE MOISTURE CONTENT WAS INCREASED TO 100 PERCENT RELATIVE HUMIDITY.</p> <p>ON JULY 1, 1996, THE NATIONAL WEATHER SERVICE BEGAN USING THE "METAR" OBSERVATION CODE THAT WAS ALREADY EMPLOYED BY MOST OTHER NATIONS OF THE WORLD. THE MOST NOTICEABLE DIFFERENCE IN THIS ANNUAL PUBLICATION WILL BE THE CHANGE IN UNITS FROM TENTHS TO EIGHTHS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.</p>
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1999
NEW YORK, LA GUARDIA FIELD,
NEW YORK (LGA)

New York City, in area exceeding 300 square miles, is located on the Atlantic coastal plain at the mouth of the Hudson River. The terrain is laced with numerous waterways, all but one of the five boroughs in the city are situated on islands. Elevations range from less than 50 feet over most of Manhattan, Brooklyn, and Queens to almost 300 feet in northern Manhattan and the Bronx, and over 400 feet in Staten Island. Extensive suburban areas on Long Island, and in Connecticut, New York State and New Jersey border the city on the east, north, and west. About 30 miles to the west and northwest, hills rise to about 1,500 feet and to the north in upper Westchester County to 800 feet. To the southwest and to the east are the low-lying land areas of the New Jersey coastal plain and of Long Island, bordering on the Atlantic.

The New York Metropolitan area is close to the path of most storm and frontal systems which move across the North American continent. Therefore, weather conditions affecting the city most often approach from a westerly direction. New York City can thus experience higher temperatures in summer and lower ones in winter than would otherwise be expected in a coastal area. However, the frequent passage of weather systems often helps reduce the length of both warm and cold spells, and is also a major factor in keeping periods of prolonged air stagnation to a minimum.

Although continental influence predominates, oceanic influence is by no means absent. During the summer local sea breezes, winds blowing onshore from the cool water surface, often moderate the afternoon heat. The effect of the sea breeze diminishes inland. On winter mornings, ocean temperatures which are warm relative to the land reinforce the effect of the city heat island and low temperatures are often 10-20 degrees lower in the inland suburbs than in the central city. The relatively warm water temperatures also delay the advent of winter snows. Conversely, the lag in warming of water temperatures keeps spring temperatures relatively cool. One year-round measure of the ocean influence is the small average daily variation in temperature.

Precipitation is moderate and distributed fairly evenly throughout the year. Most of the rainfall from May through October comes from thunderstorms. It is therefore usually of brief duration and sometimes intense. Heavy rains of long duration associated with tropical storms occur infrequently in late summer or fall. For the other months of the year precipitation is more likely to be associated with widespread storm areas, so that day-long rain, snow or a mixture of both is more common. Precipitation accompanying winter storms sometimes starts as snow, later changes to rain, and perhaps briefly back to snow before ending. Coastal storms, occurring most often in the fall and winter months, produce on occasion considerable amounts of precipitation and have been responsible for record rains, snows, and high winds.

The average annual precipitation and snowfall totals are reasonably uniform within the city but show a consistent increase to the north and west with lesser amounts along the south shores and the eastern end of Long Island, reflecting the influence of the ocean waters. Relative humidity averages about the same over the metropolitan area except again that the immediate coastal areas are more humid than inland locations.

Local Climatological Data is published for three locations in New York City, Central Park, La Guardia Airport, and John F. Kennedy International Airport. Other nearby locations for which it is published are Newark, New Jersey, and Bridgeport, Connecticut.

STATION LOCATION

NEW YORK, NY
LA GUARDIA FIELD

LOCATION	OCCUPIED FROM	OCCUPIED TO	AIRLINE DISTANCES AND DIRECTIONS FROM PREVIOUS LOCATION	NORTH	WEST	ELEVATION ABOVE											AUTOMATED STATION	* Type	REMARKS
						SEA LEVEL	GROUND												
							8	RAIN	RAIN	RAIN	RAIN	RAIN	RAIN	RAIN	RAIN	RAIN			
3rd Floor, Landplane Administration Building La Guardia Field	10/07/39	6/30/61		40° 46'	73° 52'	19	83	40	40			39			39				
3rd Floor, Marine Terminal Building La Guardia Field	6/30/61	05/01/96	5/8 mi. W	40° 46'	73° 54'	c11	a20	d42	41	NA	40	e41	40	b4 f4	NA	a - 82 feet to 4/12/62. b - Commissioned 5/1/62 on site 1/2 mi. NE of thermometer site. c - 10 feet to 5/1/62. d - Removed 11/29/68. e - Added 4/18/72. f - Type change 9/4/85. Station type changed from Wso to WSCMO 06/05/88.			
La Guardia Airport	05/01/96	Present	NA	40°47'	73°53'	37									S	ASOS Commissioned 05/01/96			

SUBSCRIPTION: Price and ordering information available through: National Climatic Data Center, Federal Building, Asheville, North Carolina 28801.
INQUIRIES/COMMENTS CALL: (828) 271-4800

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