

2002

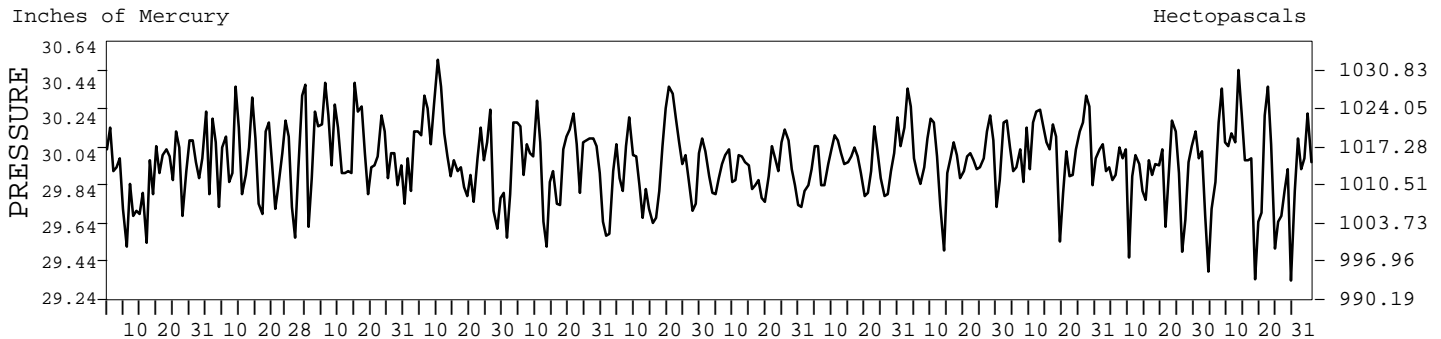
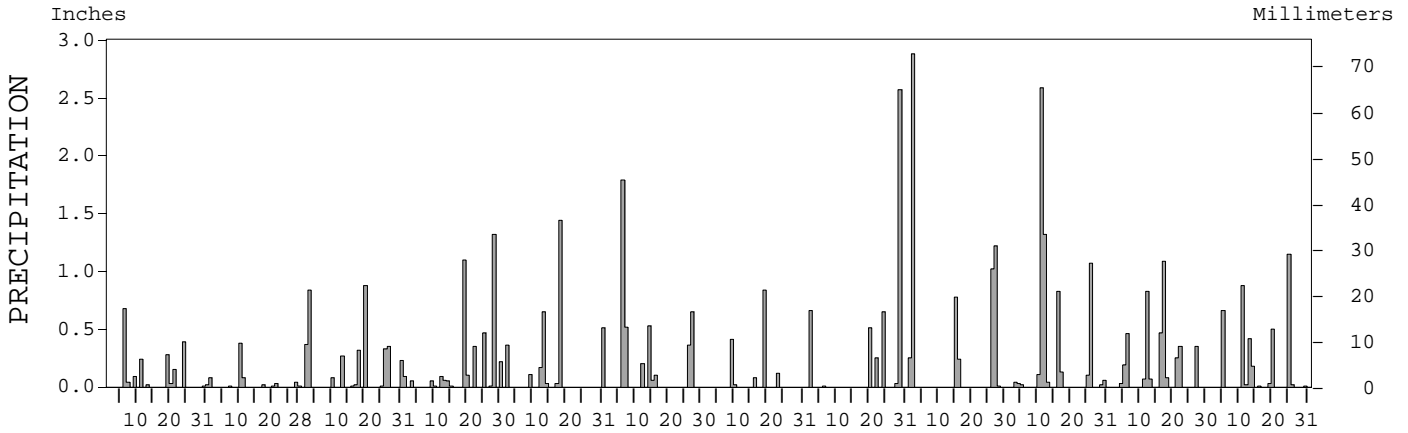
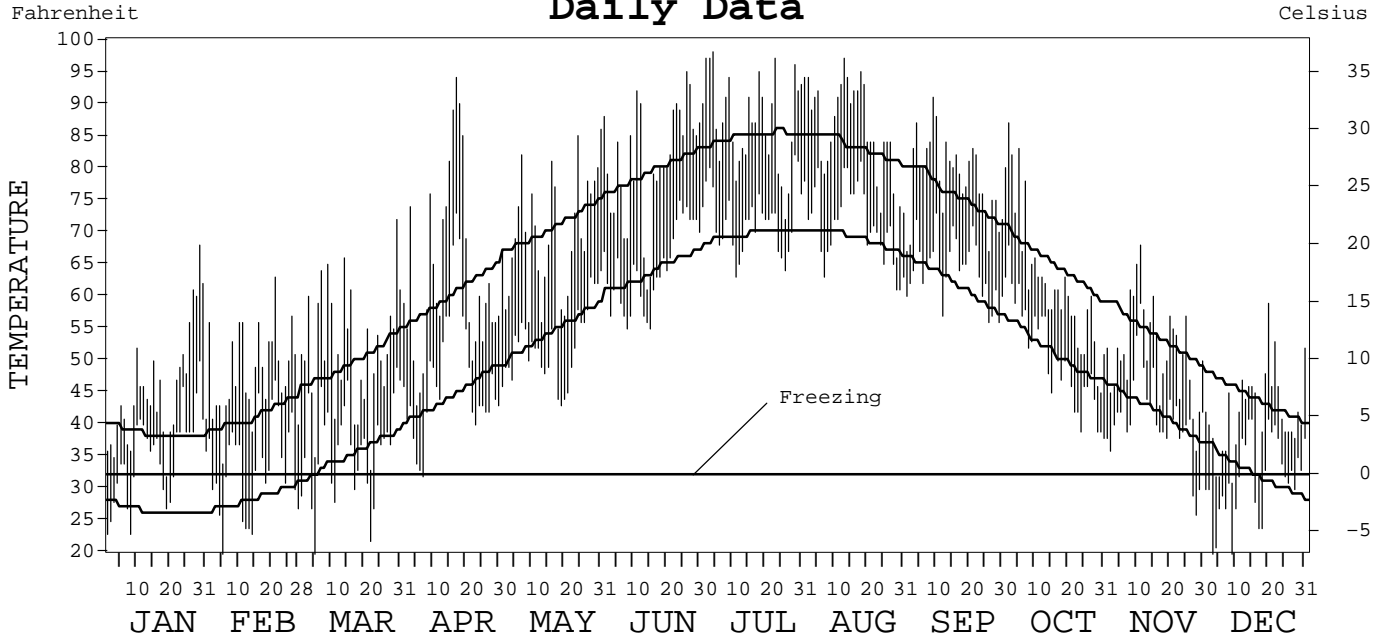
LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0198-3636

NEW YORK, NY
LA GUARDIA AIRPORT (LGA)

Daily Data



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METEOROLOGICAL DATA FOR 2002

NEW YORK, NY (LGA)

LATITUDE: 40° 46' 44" N LONGITUDE: 73° 52' 51" W ELEVATION (FT): GRND: 36 BARO: 39 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	45.5	48.2	52.0	63.5	69.3	80.8	87.2	85.6	78.4	62.3	51.7	41.7	63.9	
	HIGHEST DAILY MAXIMUM	68	63	72	94	86	95	98	97	91	87	68	59	98	
	DATE OF OCCURRENCE	29	21	30	17	31	26	04	13	09	02	11	20	JUL 04	
	MEAN DAILY MINIMUM	35.2	33.5	36.5	47.4	52.5	64.3	71.8	71.4	64.1	50.6	41.2	31.7	50.0	
	LOWEST DAILY MINIMUM	23	20	20	32	43	55	63	61	56	38	26	20	20	
	DATE OF OCCURRENCE	08+	05	05	07	19	15+	11	30+	29+	31	28	09+	DEC 09+	
	AVERAGE DRY BULB	40.4	40.9	44.3	55.5	60.9	72.6	79.5	78.5	71.3	56.5	46.5	36.7	57.0	
	MEAN WET BULB	35.2	34.7	38.6	47.9	52.6	64.2	68.6	68.4	65.0	52.3	42.3	32.3	50.2	
	MEAN DEW POINT	26.1	24.4	30.0	39.8	44.2	58.9	62.3	62.8	61.0	47.8	36.4	24.2	43.2	
	NUMBER OF DAYS WITH:														
	MAXIMUM ≥ 90°	0	0	0	2	0	5	14	13	1	0	0	0	0	35
	MAXIMUM ≤ 32°	1	0	0	0	0	0	0	0	0	0	0	4	5	5
MINIMUM ≤ 32°	11	13	9	1	0	0	0	0	0	0	3	17	54	54	
MINIMUM ≤ 0°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
H/C	HEATING DEGREE DAYS	754	668	637	338	161	20	0	1	6	296	551	868	4300	
	COOLING DEGREE DAYS	0	0	0	59	44	253	458	425	200	39	0	0	1478	
RH	MEAN (PERCENT)	59	55	62	60	59	65	58	62	73	74	70	63	63	
	HOUR 01 LST	60	58	65	66	69	74	67	69	81	78	73	66	69	
	HOUR 07 LST	63	63	70	67	66	72	66	69	80	82	77	67	70	
	HOUR 13 LST	54	48	54	48	46	52	46	50	63	65	63	61	54	
	HOUR 19 LST	58	50	60	58	57	61	55	61	73	72	68	63	61	
S	PERCENT POSSIBLE SUNSHINE														
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	1	1	2	2	1	0	0	0	0	0	0	0	7	
	THUNDERSTORMS	0	0	0	4	3	7	3	4	2	0	0	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.)															
NUMBER OF DAYS WITH:															
CLEAR															
PARTLY CLOUDY															
CLOUDY															
PR	MEAN STATION PRESS. (IN.)	29.94	30.00	30.10	30.05	29.99	29.96	29.94	30.02	30.02	30.07	29.92	29.98	30.00	
	MEAN SEA-LEVEL PRESS. (IN.)	29.97	30.03	30.13	30.08	30.02	29.99	29.98	30.05	30.05	30.10	29.95	30.01	30.03	
WINDS	RESULTANT SPEED (MPH)	7.3	6.2	2.3	3.0	1.7	2.9	0.2	0.4	1.1	3.6	4.9	6.9	2.8	
	RES. DIR. (TENS OF DEGS.)	29	29	28	29	28	22	15	09	26	02	30	31	30	
	MEAN SPEED (MPH)	11.5	12.2	12.3	10.9	11.1	10.2	10.0	9.5	9.8	11.1	11.8	12.6	11.1	
	PREVAIL. DIR. (TENS OF DEGS.)	29	32	05	32	19	19	31	18	19	04	29	31	31	
	MAXIMUM 2-MINUTE WIND:														
	SPEED (MPH)	38	39	38	55	39	33	32	31	43	37	37	37	55	
	DIR. (TENS OF DEGS.)	28	31	33	29	32	29	31	06	32	06	29	31	29	
	DATE OF OCCURRENCE	13	01	21	19	03	17	09	29	11	16	23	01	APR 19	
	MAXIMUM 5-SECOND WIND:														
	SPEED (MPH)	45	49	47	69	48	39	38	37	54	45	47	48	69	
DIR. (TENS OF DEGS.)	30	32	31	29	31	28	31	05	33	07	27	31	29		
DATE OF OCCURRENCE	13	01	22+	19	03	17+	09	29	11	16	23	01	APR 19		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	1.95	0.66	3.71	3.98	3.30	4.21	1.47	4.68	6.40	6.36	4.24	3.88	44.84	
	GREATEST 24-HOUR (IN.)	0.68	0.46	1.21	1.33	1.44	2.31	0.84	2.60	3.08	2.70	1.15	1.15	3.08	
	DATE OF OCCURRENCE	06	10-11	02-03	27-28	18	06-07	19	28-29	01-02	11-12	16-17	25	SEP 01-02	
	NUMBER OF DAYS WITH:														
PRECIPITATION ≥ 0.01	11	9	12	15	8	8	5	7	7	13	12	11	118		
PRECIPITATION ≥ 0.10	5	1	8	6	6	7	3	5	6	7	8	6	68		
PRECIPITATION ≥ 1.00	0	0	0	2	1	1	0	1	3	3	1	1	13		
SNOWFALL	SNOW, ICE PELLETS, HAIL:														
	TOTAL (IN.)	3.3	T	0.1	T	T	0.0	0.0	0.0	0.0	T	T	13.6	17.0	
	GREATEST 24-HOUR (IN.)	2.8	T	0.1	T	T	0.0	0.0	0.0	0.0	T	T	7.3	7.3	
	DATE OF OCCURRENCE	19	28+	18	06	31	0	0	0	0	29	29+	05	DEC 05	
	MAXIMUM SNOW DEPTH (IN.)	3	0	0	0	0	0	0	0	0	0	0	6	6	
	DATE OF OCCURRENCE	20											06	DEC 06	
NUMBER OF DAYS WITH:															
SNOWFALL ≥ 1.0	1	0	0	0	0	0	0	0	0	0	0	2	3		

NORMALS, MEANS, AND EXTREMES

NEW YORK, NY (LGA)

LATITUDE: 40° 46' 44" N LONGITUDE: 73° 52' 51" W ELEVATION (FT): GRND: 36 BARO: 39 TIME ZONE: EASTERN (UTC + 5) WBAN: 14732

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	38.6	41.2	49.6	60.0	70.6	79.3	84.7	83.1	75.6	64.5	53.6	43.7	62.0
	MEAN DAILY MAXIMUM	55	38.4	40.8	48.4	59.8	70.3	79.4	83.0	82.9	75.6	64.9	53.8	42.9	61.7
	HIGHEST DAILY MAXIMUM	41	68	73	83	94	97	99	107	104	96	87	80	75	107
	YEAR OF OCCURRENCE		2002	1997	1998	2002	1996	1988	1966	2001	1983	2002	1993	1998	JUL 1966
	MEAN OF EXTREME MAXS.	55	57.2	58.6	68.8	79.8	87.8	93.0	94.1	93.5	89.0	79.8	70.2	61.1	77.7
	NORMAL DAILY MINIMUM	30	26.5	28.3	35.1	44.4	54.3	63.7	69.5	68.7	61.6	50.9	41.6	32.0	48.0
	MEAN DAILY MINIMUM	55	26.8	28.1	34.5	44.1	53.9	63.6	68.1	68.6	61.6	51.1	41.7	31.7	47.8
	LOWEST DAILY MINIMUM	41	-3	-2	8	22	38	46	56	51	44	30	18	-1	-3
	YEAR OF OCCURRENCE		1994	1963	1980	1982	1983	1972	1988	1982	1974	1969	1976	1980	JAN 1994
	MEAN OF EXTREME MINS.	55	9.6	11.5	19.6	32.5	43.9	53.3	60.2	59.2	49.1	38.4	27.8	15.3	35.0
	NORMAL DRY BULB	30	31.3	33.2	41.5	51.5	61.8	71.1	76.4	75.4	68.2	57.4	47.4	36.6	54.3
	MEAN DRY BULB	55	32.6	34.4	41.5	52.0	62.1	71.6	75.6	75.7	68.5	58.0	47.8	37.3	54.8
	MEAN WET BULB	19	30.3	31.4	36.7	45.7	55.2	64.0	64.9	68.2	62.2	52.3	42.7	34.1	49.0
	MEAN DEW POINT	19	22.5	22.6	27.9	37.6	48.7	58.1	60.1	63.6	57.2	45.8	35.4	26.2	42.1
	NORMAL NO. DAYS WITH:														
MAXIMUM ≥ 90°	30	0.0	0.0	0.0	*	0.6	2.9	5.5	3.3	1.3	0.0	0.0	0.0	13.6	
MAXIMUM ≤ 32°	30	10.6	6.4	1.2	*	0.0	0.0	0.0	0.0	0.0	0.0	0.1	4.8	23.1	
MINIMUM ≤ 32°	30	22.7	19.8	10.4	1.1	0.0	0.0	0.0	0.0	0.0	0.1	3.2	16.3	73.6	
MINIMUM ≤ 0°	30	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*	0.2	
H/C	NORMAL HEATING DEG. DAYS	30	1008	861	713	392	136	16	1	1	40	249	524	836	4777
	NORMAL COOLING DEG. DAYS	30	0	0	1	6	54	209	377	336	141	17	1	0	1142
RH	NORMAL (PERCENT)	30	61	60	60	59	64	65	65	67	67	65	64	64	63
	HOUR 01 LST	30	63	63	64	65	71	72	72	74	73	71	68	66	68
	HOUR 07 LST	30	66	66	66	66	71	72	73	76	76	74	71	68	70
	HOUR 13 LST	30	57	56	53	50	53	54	53	55	56	55	58	59	55
	HOUR 19 LST	30	59	58	57	56	60	60	61	64	64	63	62	61	60
S	PERCENT POSSIBLE SUNSHINE														
W/O	MEAN NO. DAYS WITH:														
	HEAVY FOG (VISBY ≤ 1/4 MI)	54	1.7	1.5	1.3	1.3	1.5	1.3	0.6	0.4	0.2	0.8	0.6	1.2	12.4
	THUNDERSTORMS	54	0.2	0.2	1.0	1.7	3.2	4.4	5.0	4.6	2.4	0.9	0.5	0.2	24.3
CLOUDINESS	MEAN:														
	SUNRISE-SUNSET (OKTAS)	48	5.1	5.0	5.0	5.0	5.0	4.8	4.6	4.5	4.5	4.2	5.0	5.0	4.8
	MIDNIGHT-MIDNIGHT (OKTAS)	32	4.8	4.7	4.8	4.7	4.7	4.5	4.4	4.2	4.3	4.0	4.7	4.8	4.6
	MEAN NO. DAYS WITH:														
	CLEAR	48	7.6	7.6	7.7	7.4	6.6	7.4	7.3	8.2	9.6	10.9	7.5	7.7	95.5
PARTLY CLOUDY	48	8.3	7.4	9.0	9.3	11.2	11.3	12.7	12.0	9.2	8.8	8.4	8.7	116.3	
CLOUDY	48	15.2	13.3	14.3	13.3	13.2	11.3	10.9	10.8	11.2	11.3	14.1	14.5	153.4	
PR	MEAN STATION PRESSURE (IN)	30	30.03	30.04	29.99	29.94	29.95	29.93	29.96	30.01	30.04	30.06	30.04	30.05	30.00
	MEAN SEA-LEVEL PRES. (IN)	19	30.08	30.07	30.04	29.98	29.97	30.01	29.99	30.02	30.06	30.10	30.08	30.08	30.04
WINDS	MEAN SPEED (MPH)	41	13.8	13.8	14.3	13.0	11.8	11.1	10.6	10.5	11.2	11.9	12.9	13.6	12.4
	PREVAIL. DIR (TENS OF DEGS)	27	31	31	31	32	05	18	18	18	05	30	30	31	05
	MAXIMUM 2-MINUTE:														
	SPEED (MPH)	6	40	40	46	55	39	37	53	46	51	38	44	41	55
	DIR. (TENS OF DEGS)		26	31	28	29	32	29	35	29	33	30	32	30	29
	YEAR OF OCCURRENCE		1999	2001	1997	2002	2002	2000	1997	1997	1998	1999	1997	2000	APR 2002
	MAXIMUM 5-SECOND:														
SPEED (MPH)	6	51	51	57	69	49	44	80	60	62	47	52	54	80	
DIR. (TENS OF DEGS)		25	27	29	29	33	28	34	28	32	34	32	30	34	
YEAR OF OCCURRENCE		2000	1997	1997	2002	2000	2000	1997	1997	1998	1999	1997	2000	JUL 1997	
PRECIPITATION	NORMAL (IN)	30	3.56	2.75	3.93	3.68	4.16	3.57	4.41	4.09	3.77	3.26	3.67	3.51	44.36
	MAXIMUM MONTHLY (IN)	62	8.68	5.76	8.73	11.51	9.27	8.15	12.33	16.05	9.63	9.09	9.92	7.70	16.05
	YEAR OF OCCURRENCE		1979	1960	1953	1983	1984	1972	1975	1955	1975	1943	1972	1973	AUG 1955
	MINIMUM MONTHLY (IN)	62	0.51	0.66	0.87	0.99	0.43	0.03	0.56	0.12	0.62	0.06	0.31	0.31	0.03
	YEAR OF OCCURRENCE		1981	2002	1966	1985	1964	1949	1999	1995	1941	1963	1976	1955	JUN 1949
	MAXIMUM IN 24 HOURS (IN)	62	3.55	2.90	3.25	3.06	3.02	4.01	3.82	7.11	4.79	3.62	4.46	3.44	7.11
	YEAR OF OCCURRENCE		1979	1941	1953	1984	1968	1987	1971	1955	1999	1996	1977	1941	AUG 1955
	NORMAL NO. DAYS WITH:														
	PRECIPITATION ≥ 0.01	30	10.5	9.4	10.6	10.6	11.0	10.3	9.1	9.0	7.8	7.5	10.0	10.9	116.7
PRECIPITATION ≥ 1.00	30	0.5	0.5	0.9	1.0	0.9	0.7	1.3	1.0	1.0	0.8	1.0	0.9	10.5	
SNOWFALL	NORMAL (IN)	30	7.6	8.4	3.9	0.4	0.*	0.0	0.0	0.0	0.0	0.*	0.4	3.2	23.9
	MAXIMUM MONTHLY (IN)	57	27.6	26.4	18.9	8.2	T	0.0	T	0.0	0.0	1.2	6.1	26.8	27.6
	YEAR OF OCCURRENCE		1996	1983	1958	1982	1977		1997		1962	1989	1947	JAN 1996	
	MAXIMUM IN 24 HOURS (IN)	58	21.4	22.0	15.3	8.2	T	0.0	T	0.0	0.0	1.2	6.1	22.8	22.8
	YEAR OF OCCURRENCE		1996	1983	1960	1982	1977		1997		1962	1989	1947	DEC 1947	
	MAXIMUM SNOW DEPTH (IN)	54	15	26	15	8	0	0	0	0	0	0	6	15	26
	YEAR OF OCCURRENCE		1948	1961	1960	1982							1989	1995	FEB 1961
	NORMAL NO. DAYS WITH:														
SNOWFALL ≥ 1.0	30	2.1	1.8	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.7	5.7	

PRECIPITATION (inches) 2002 NEW YORK, NY NY (LGA)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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
2000	3.06	1.51	3.29	3.47	4.29	4.50	6.27	3.95	4.69	0.64	3.02	3.79	42.48
2001	2.75	1.74	6.86	1.42	2.09	5.25	2.37	2.80	5.17	0.49	0.91	2.12	33.97
2002	1.95	0.66	3.71	3.98	3.30	4.21	1.47	4.68	6.40	6.36	4.24	3.88	44.84
POR= 62 YRS	3.22	2.89	4.00	3.60	3.74	3.30	3.92	4.27	3.50	3.09	3.68	3.50	42.71

WBAN : 14732

AVERAGE TEMPERATURE (°F) 2002 NEW YORK, NY NY (LGA)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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
2000	32.1	37.5	47.1	51.1	63.4	72.3	73.6	74.5	68.2	59.0	46.6	32.1	54.8
2001	34.1	36.0	39.7	53.5	64.1	74.4	75.1	79.8	69.1	59.9	53.5	44.6	57.0
2002	40.4	40.9	44.3	55.5	60.9	72.6	79.5	78.5	71.3	56.5	46.5	36.7	57.0
POR= 62 YRS	32.4	34.2	41.7	51.9	62.1	71.5	75.6	75.6	68.6	58.0	47.7	36.9	54.7

HEATING DEGREE DAYS (base 65°F) 2002 NEW YORK, NY NY (LGA)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
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
1999-00	0	3	16	228	398	741	1013	790	549	412	118	28	4296
2000-01	0	0	54	203	544	1010	951	805	775	349	114	3	4808
2001-02	0	0	39	194	338	625	754	668	637	338	161	20	3774
2002-	0	1	6	296	551	868							

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COOLING DEGREE DAYS (base 65°F) 2002 NEW YORK, NY NY (LGA)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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
2000	0	0	0	0	73	255	271	299	155	26	0	0	1079
2001	0	0	0	12	94	288	318	466	166	43	1	0	1388
2002	0	0	0	59	44	253	458	425	200	39	0	0	1478

SNOWFALL (inches) 2002 NEW YORK, NY NY (LGA)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
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
1999-00	0.0	0.0	0.0	0.0	0.0	T	10.5	3.0	T	1.3	T	0.0	14.8
2000-01	0.0	0.0	0.0	T	0.0	15.6	7.4	10.0	9.2	0.0	T	0.0	42.2
2001-02	0.0	0.0	0.0	0.0	0.0	0.0	3.3	T	0.1	T	T	0.0	3.4
2002-	0.0	0.0	0.0	T	T	13.6							
POR= 57 YRS	0.0	0.0	0.0	0.0	0.5	5.0	6.8	7.9	4.4	0.6	T	0.0	25.2

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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 EIGHTS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.</p>
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2002
NEW YORK, NY
LA GUARDIA AIRPORT (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
AIRPORT

LOCATION	Occupied From	Occupied To	Airline Distances and Directions from previous Location	LATITUDE NORTH	LONGITUDE WEST	ELEVATION ABOVE										AUTOMATIC OBSERVING EQUIPMENT *	* TYPE M = AMOS T = AUTOB S = ASOS W = AWOS REMARKS
						SEA LEVEL		GROUND									
						GROUND	SITE	WIND	EXTREME	PSYCHROMETER	SUNSHINE	TIPPING GAUGE	WEIGHING RAIN GAGE	8 INCH RAIN GAGE	HYGROMETER		
*NOTE: <u>AIRPORT</u> 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	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'	g36								S	ASOS Commissioned 05/01/96 g. Ground elevation.		

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* NOTES: For earlier station history see previous editions.