

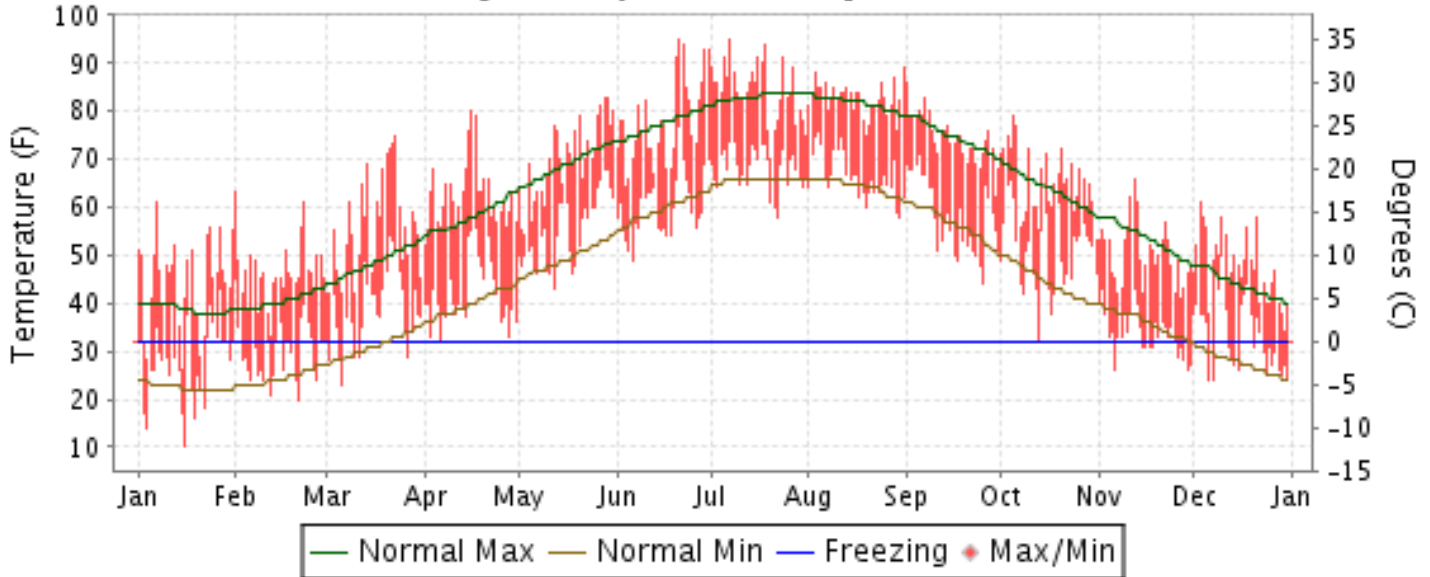


2012 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

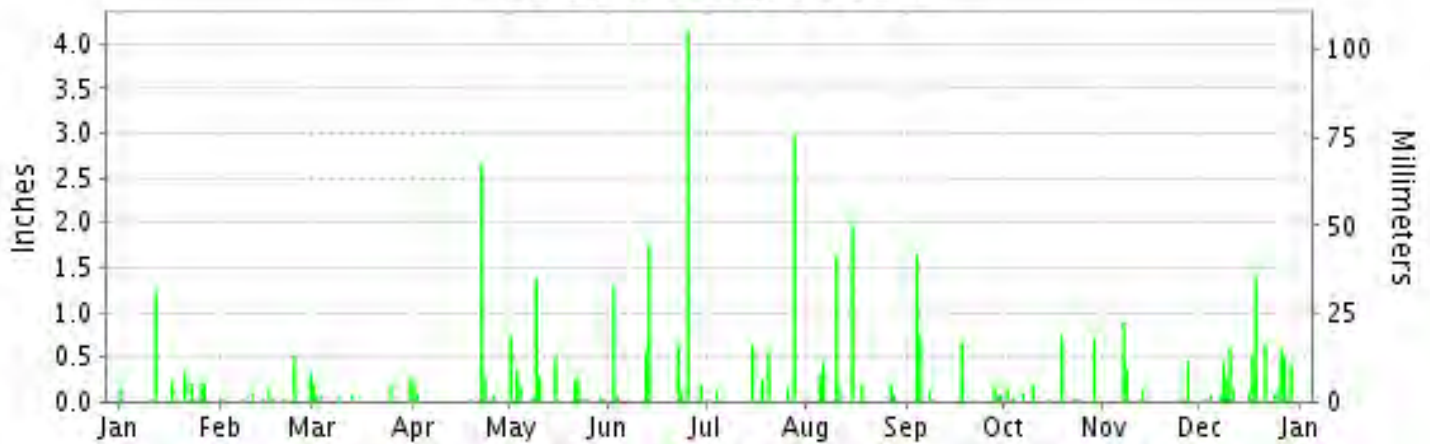
ISSN 0742-8715

ISLIP, NEW YORK (KISP)

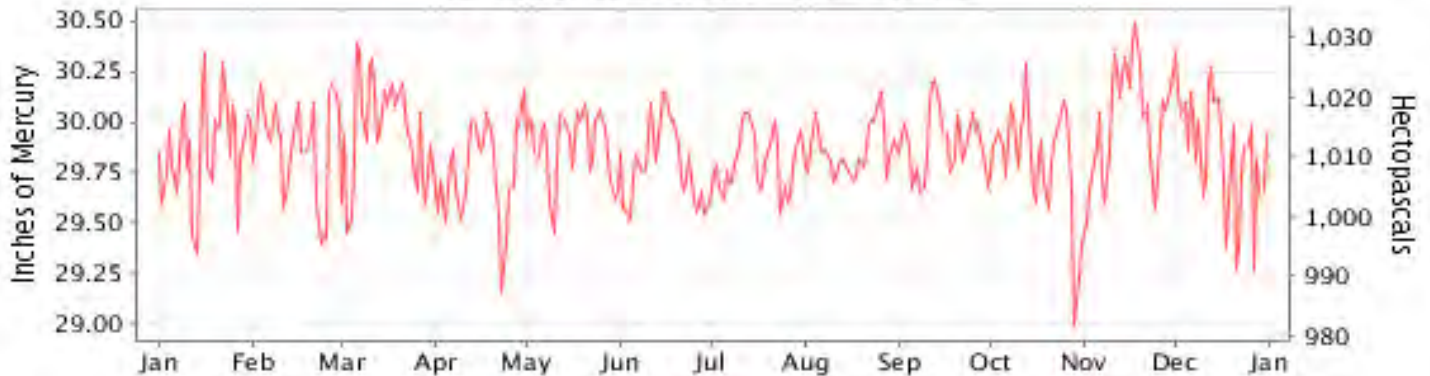
Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE, NORTH CAROLINA

Thomas R. Karl
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 2012

ISLIP (KISP)

LATITUDE: 40° 47'N LONGITUDE: 73° 6'W ELEVATION (FT): GRND: 84 BARO: 84 TIME ZONE: EASTERN (UTC -5) WBAN: 04781

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	44.5	46.4	55.7	62.4	70.1	77.9	84.3	82.6	74.5	65.3	50.3	47.5	63.5	
	HIGHEST DAILY MAXIMUM	61	63	75	80	83	95	95	89	86	79	66	61	95	
	DATE OF OCCURRENCE	07	01	23	16	29+	21	07	31	01	05	12	03	JUL 07	
	MEAN DAILY MINIMUM	27.9	29.8	38.9	42.0	55.2	60.1	68.2	66.6	58.1	50.6	33.8	33.5	47.1	
	LOWEST DAILY MINIMUM	10	20	23	32	43	49	58	58	44	32	26	24	10	
	DATE OF OCCURRENCE	16	21	06	06	12	06	22	30	25	13	29+	31+	JAN 16	
	AVERAGE DRY BULB	36.2	38.1	47.3	52.2	62.7	69.0	76.3	74.6	66.3	58.0	42.1	40.5	55.3	
	MEAN WET BULB	32.4	33.7	41.9	44.6	57.3	62.1	68.7	68.9	61.6	53.4	37.8	37.7	50.0	
	MEAN DEW POINT	24.2	25.1	34.6	34.2	53.0	57.8	64.8	65.6	57.7	49.1	31.3	32.5	44.2	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	0	0	5	6	0	0	0	0	0	0	11
	MAXIMUM <= 32°	4	0	0	0	0	0	0	0	0	0	0	0	0	4
	MINIMUM <= 32°	23	22	7	1	0	0	0	0	0	1	11	16	81	
MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	881	773	541	382	122	25	0	0	53	227	682	751	4437	
	COOLING DEGREE DAYS	0	0	0	6	56	154	357	306	100	15	0	0	994	
RH	MEAN (PERCENT)	63	61	66	55	75	71	71	75	74	74	67	73	69	
	HOUR 01 LST	66	68	76	68	85	82	82	88	85	81	75	79	78	
	HOUR 07 LST	69	68	69	52	74	68	69	75	75	76	73	80	71	
	HOUR 13 LST	54	48	54	40	63	56	57	59	61	63	53	65	56	
	HOUR 19 LST	64	65	68	58	78	76	75	78	78	75	67	72	71	
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	3	0	6	0	10	1	1	2	0	5	1	6	35	
	THUNDERSTORMS	1	0	1	0	2	6	7	5	3	1	0	0	26	
PR	MEAN STATION PRESS. (IN.)	29.88	29.89	29.08	29.75	29.89	29.80	29.80	29.86	29.90	29.82	30.00	29.86	29.79	
	MEAN SEA-LEVEL PRESS. (IN.)	30.00	30.01	30.09	29.90	30.00	29.92	29.92	29.97	30.01	29.94	30.12	29.98	29.99	
WINDS	RESULTANT SPEED (MPH)	4.9	4.6	1.9	4.1	2.4	0.6	1.8	3.0	1.5	0.5	4.8	3.4	2.0	
	RES. DIR. (TENS OF DEGS.)	28	29	27	29	18	25	24	21	20	19	33	32	28	
	MEAN SPEED (MPH)	10.5	9.1	9.4	10.0	7.3	8.1	6.9	6.6	7.3	8.6	8.6	9.5	8.5	
	PREVAIL.DIR.(TENS OF DEGS.)	29	30	22	34	22	31	22	22	18	05	35	30	22	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	36	33	33	33	28	37	25	29	29	56	33	40	56	
	DIR. (TENS OF DEGS.)	25	28	35	26	30	30	01	24	17	11	36	14	11	
	DATE OF OCCURRENCE	13	25	26	09	10	25	24	05	18	29	07	21	OCT 29	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	48	45	48	43	35	46	31	44	41	90	48	60	90	
DIR. (TENS OF DEGS.)	26	28	22	30	28	30	34	22	17	10	36	14	10		
DATE OF OCCURRENCE	13	25	08	27	10	25	24	10	18	29	07	21	OCT 29		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	2.66	1.26	0.99	3.39	4.22	8.82	4.80	4.92	3.56	2.08	1.91	6.12	44.73	
	GREATEST 24-HOUR (IN.)	1.27	0.52	0.25	2.95	1.42	4.16	2.99	1.95	1.65	0.76	1.24	1.60	4.16	
	DATE OF OCCURRENCE	11-12	24	31	22-23	09-10	24-25	28-29	15	04	19	07-08	17-18	JUN 24-25	
	NUMBER OF DAYS WITH:														
PRECIPITATION 0.01	11	9	9	7	15	11	10	8	10	11	7	17	125		
PRECIPITATION 0.10	7	4	3	4	8	7	6	7	5	5	4	12	72		
PRECIPITATION 1.00	1	0	0	1	1	3	1	2	1	0	0	1	11		
SNOWFALL	SNOW,ICE PELLETS,HAIL														
	TOTAL (IN.)	3.8	0.6	T	0.0	0.0	T	0.0	0.0	0.0	0.0	4.2	0.6	9.2	
	GREATEST 24-HOUR (IN.)	3.6	0.4	T	0.0	0.0	T	0.0	0.0	0.0	0.0	2.5	0.5	3.6	
	DATE OF OCCURRENCE	21	08	31			25					08	29	JAN 21	
	MAXIMUM SNOW DEPTH (IN.)	4	T	0	0	0	0	0	0	0	0	4	0	4	
	DATE OF OCCURRENCE	22	11									08		NOV 08	
NUMBER OF DAYS WITH:															
SNOWFALL >= 1.0	1	0	0	0	0	0	0	0	0	0	2	0	3		

NORMALS, MEANS, AND EXTREMES ISLIP (KISP)

LATITUDE: 40° 47'N **LONGITUDE:** 73° 6'W **ELEVATION (FT):** GRND: 84 BARO: 84 **TIME ZONE:** EASTERN (UTC -5) **WBAN: 04781**

	ELEMENT	POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	38.0	40.3	47.3	57.6	67.5	76.6	81.7	80.4	73.8	63.0	53.2	43.0	60.2
	MEAN DAILY MAXIMUM	29	39.0	40.9	48.1	58.3	68.2	76.4	82.2	80.9	74.2	63.8	53.7	43.8	60.8
	HIGHEST DAILY MAXIMUM	29	69	67	82	94	98	96	102	100	93	88	78	77	102
	YEAR OF OCCURRENCE		2002	1991	1990	2002	1996	1994	1999	2001	2010	2007	1990	1998	JUL 1999
	MEAN OF EXTREME MAXS.	29	57.4	56.9	67.7	77.2	85.3	90.0	93.6	90.7	85.0	77.5	68.1	60.0	75.8
	NORMAL DAILY MINIMUM	30	23.3	25.2	31.3	40.6	49.8	60.2	66.0	65.3	57.5	45.5	37.1	28.2	44.2
	MEAN DAILY MINIMUM	29	24.0	25.3	31.7	40.9	50.2	59.4	66.4	65.3	57.8	46.0	37.2	28.5	44.4
	LOWEST DAILY MINIMUM	29	-7	1	5	23	32	42	50	45	38	28	11	5	-7
	YEAR OF OCCURRENCE		1988	1996	2009	2008	2008	2009	1988	1986	1997	1985	1989	2004	JAN 1988
	MEAN OF EXTREME MINS.	29	7.0	10.3	16.2	29.1	37.1	47.7	56.6	54.8	44.6	32.3	22.9	14.1	31.1
	NORMAL DRY BULB	30	30.6	32.8	39.3	49.1	58.6	68.4	73.9	72.8	65.6	54.3	45.1	35.6	52.2
	MEAN DRY BULB	29	31.5	33.1	39.9	49.6	59.2	68.8	74.3	73.3	66.0	54.9	45.5	36.2	52.7
	MEAN WET BULB	29	30.3	30.9	36.5	44.3	53.2	61.4	66.4	66.0	60.3	51.0	43.0	34.4	48.1
	MEAN DEW POINT	29	27.6	27.9	33.9	41.9	51.0	59.4	64.8	64.7	58.7	49.0	40.5	31.5	45.9
	NORMAL NO. DAYS WITH: MAXIMUM >= 90	30	0.0	0.0	0.0	0.0	0.3	1.1	2.2	1.0	0.2	0.0	0.0	0.0	4.8
	MAXIMUM <= 32	30	8.2	4.8	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	4.0	18.3
MINIMUM <= 32	30	25.2	22.0	16.5	3.0	0.0	0.0	0.0	0.0	0.0	0.9	9.2	21.2	98.0	
MINIMUM <= 0	30	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	
H/C	NORMAL HEATING DEG. DAYS	30	1065	903	797	479	219	38	2	3	72	343	596	911	5428
	NORMAL COOLING DEG. DAYS	30	0	0	0	2	22	140	276	246	91	10	0	0	787
RH	NORMAL (PERCENT)	30	70	68	67	66	71	73	74	77	77	74	71	68	71
	HOURLY 01 LST	30	74	73	74	76	82	84	85	87	86	83	78	74	80
	HOURLY 07 LST	30	76	75	75	73	76	78	80	84	86	84	79	76	79
	HOURLY 13 LST	30	61	58	56	53	57	59	60	62	62	58	59	59	59
	HOURLY 19 LST	30	70	67	66	66	70	71	73	77	78	76	71	68	71
S	PERCENT POSSIBLE SUNSHINE														
W/O	MEAN NO. DAYS WITH: HEAVY FOG(VISBY <= 1/4 MI)	29	3.0	3.0	3.1	3.7	4.4	2.9	1.8	1.6	1.5	3.2	2.7	2.6	33.5
	THUNDERSTORMS	29	0.4	0.4	1.0	2.1	3.0	4.7	4.8	3.6	1.9	1.0	0.6	0.2	23.7
CLOUDINESS	MEAN: SUNRISE-SUNSET (OKTAS)														
	MIDNIGHT-MIDNIGHT (OKTAS)														
	MEAN NO. DAYS WITH: CLEAR														
	PARTLY CLOUDY CLOUDY														
PR	MEAN STATION PRESSURE(IN)	29	29.89	29.92	29.89	29.86	29.88	29.85	29.87	29.89	29.95	29.94	29.96	29.94	29.90
	MEAN SEA-LEVEL PRES. (IN)	29	30.05	30.04	30.04	29.97	29.99	29.96	29.98	30.02	30.07	30.06	30.09	30.07	30.03
WINDS	MEAN SPEED (MPH)	29	9.7	10.1	10.4	9.9	8.8	8.3	7.7	7.4	7.8	8.4	9.2	9.6	8.9
	PREVAIL.DIR(TENS OF DEGS)	34	31	31	31	23	22	23	22	23	22	23	31	30	22
	MAXIMUM 2-MINUTE: SPEED (MPH)	13	40	40	41	40	37	37	37	47	39	56	41	46	56
	DIR. (TENS OF DEGS)		36	27	08	14	27	30	22	13	33	11	27	01	11
	YEAR OF OCCURRENCE		2006	2009	2010	2011	2010	2012	2006	2011	2002	2012	2003	2010	OCT 2012
	MAXIMUM 3-SECOND SPEED (MPH)	13	54	60	62	55	49	54	48	62	49	90	54	64	90
	DIR. (TENS OF DEGS)		33	27	10	13	27	21	22	14	32	10	26	36	10
YEAR OF OCCURRENCE		2006	2009	2010	2011	2010	2010	2006	2011	2002	2012	2003	2010	OCT 2012	
PRECIPITATION	NORMAL (IN)	30	3.64	3.26	4.44	4.34	3.78	4.27	3.43	3.98	3.58	3.79	3.67	4.06	46.24
	MAXIMUM MONTHLY (IN)	29	9.25	6.21	9.41	7.37	10.14	10.80	8.36	13.78	7.46	14.07	8.02	8.91	14.07
	YEAR OF OCCURRENCE		1999	2008	2010	1998	1989	2003	1984	1990	2008	2005	1988	1996	OCT 2005
	MINIMUM MONTHLY (IN)	29	1.34	0.89	0.99	1.29	0.73	0.58	0.92	.26	0.81	0.18	0.63	0.90	0.18
	YEAR OF OCCURRENCE		1985	2002	2012	1992	1986	1988	1999	2005	1985	2000	2001	1985	OCT 2000
	MAXIMUM IN 24 HOURS (IN)	29	3.61	2.62	3.53	5.06	4.76	5.10	3.34	6.92	2.85	5.59	2.63	3.92	6.92
	YEAR OF OCCURRENCE		1999	2003	2008	2006	1989	2000	2007	1990	1996	2005	1988	2008	AUG 1990
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	11.0	9.1	10.5	11.3	11.1	10.1	9.1	8.5	8.6	8.5	10.3	10.8	118.9
PRECIPITATION >= 1.00	30	0.8	0.6	1.2	1.1	1.0	1.1	0.9	1.0	1.1	1.0	1.0	1.0	11.8	
SNOWFALL	NORMAL (IN)	30	6.7	7.1	4.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.5	5.4	24.8
	MAXIMUM MONTHLY (IN)	25	34.4	21.7	13.6	9.6	T	T	T	T	0.0	0.3	7.6	25.3	34.4
	YEAR OF OCCURRENCE		2011	2010	2009	1996	1994	2012	1999			2011	1989	2009	JAN 2011
	MAXIMUM IN 24 HOURS (IN)	25	14.0	9.2	9.7	8.5	T	T	T	0.0	0.0	0.3	7.6	14.3	14.3
	YEAR OF OCCURRENCE		2011	2010	2009	1996	1994	2012	1999	1984	1984	2011	1989	2009	DEC 2009
	MAXIMUM SNOW DEPTH (IN)	24	18	15	11	3	0	0	0	0	0	0	7	22	22
	YEAR OF OCCURRENCE		2011	2006	2009	1997							1989	2009	DEC 2009
NORMAL NO. DAYS WITH: SNOWFALL >= 1.0	30	2.1	2.0	1.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.6	7.5	

PRECIPITATION (inches) 2012 ISLIP (KISP)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1984	2.63	5.55	5.53	4.81	9.43	5.14	8.36	0.47	5.06	2.43	1.69	2.33	53.43
1985	1.34	2.00	2.38	1.79	4.13	6.32	3.41	3.84	0.81	1.31	6.18	0.90	34.41
1986	3.37	3.20	3.10	2.66	0.73	1.69	4.18	3.95	0.82	2.06	6.56	5.46	37.78
1987	6.28	1.11	4.93	3.65	1.53	2.53	1.90	4.46	3.28	1.96	2.55	2.94	37.12
1988	3.17	5.36	3.94	1.97	2.92	0.58	2.45	1.49	3.59	3.35	8.02	2.96	39.80
1989	2.21	4.01	4.68	4.78	10.14	7.86	4.90	7.68	4.56	8.71	4.82	0.97	65.32
1990	5.68	2.13	2.55	5.06	8.94	5.20	3.33	13.78	2.48	8.12	1.57	4.65	63.49
1991	4.17	1.83	3.84	3.29	2.33	1.81	2.22	8.68	4.11	2.50	1.27	4.96	41.01
1992	2.07	2.26	3.56	1.29	3.60	4.89	6.20	6.62	3.22	1.29	6.05	6.06	47.11
1993	2.57	3.61	5.39	2.95	1.38	1.33	1.98	1.60	4.13	4.75	3.30	4.65	37.64
1994	4.69		5.01	2.33	3.61	0.81	1.21	6.51	3.55	0.31	3.56	3.73	
1995	2.88	3.21	1.32	2.40	2.28	2.58	3.44	0.74	4.74	5.76	6.00	4.05	39.40
1996	5.44	3.37	3.37	6.14	3.36	5.07	6.55	1.62	6.41	6.29	2.67	8.91	59.20
1997	3.57		5.94	5.37	2.72	3.15	3.40	3.84	1.42	2.97	4.63	5.23	
1998	7.76		7.67	7.37	7.87	10.73	1.08	2.45	2.28	2.04	1.64	1.72	
1999	9.25	4.87	5.99	2.34	2.61	1.21	0.92	5.63	5.65	3.65	2.68	2.60	47.40
2000	3.01	2.12	4.67	5.80	2.95	6.74	4.10	3.65	4.82	0.18	4.22	2.97	45.23
2001	3.42	1.97	8.38	1.92	3.27	4.08	1.54	5.02	2.33	1.06	0.63	2.15	35.77
2002	2.34	0.89	4.43	3.85	3.28	3.63	1.11	5.19	4.59	4.91	4.62	4.41	43.25
2003	1.86	4.02	4.69	3.60	4.69	10.80	2.69	3.11	3.49	3.70	3.49	3.80	49.94
2004	1.45	2.79	3.62	6.08	2.69	1.24	2.43	5.04	6.37	1.19	3.25	3.06	39.21
2005	3.51	2.82	3.12	4.87	1.49	1.39	2.09	0.26	1.31	14.07	3.17	2.95	41.05
2006	3.60	2.43	1.08	7.29	4.42	5.47	5.46	5.58	4.29	7.09	4.57	2.15	53.43
2007	4.11	2.31	4.68	6.72	1.57	2.88	6.50	2.95	1.31	1.98	3.21	4.64	42.86
2008	2.17	6.21	5.89	3.87	3.68	3.17	3.58	3.29	7.46	3.00	3.17	6.68	52.17
2009	3.20	1.79	2.43	4.86	5.88	7.71	6.52	0.68	2.65	5.23	2.93	8.82	52.70
2010	2.21	5.33	9.41	2.78	2.85	2.00	3.36	2.31	2.11	3.83	2.34	4.54	43.07
2011	4.19	3.73	3.04	4.40	3.81	2.75	2.69	11.58	4.27	6.14	2.80	2.94	52.34
2012	2.66	1.26	0.99	3.39	4.22	8.82	4.80	4.92	3.56	2.08	1.91	6.12	44.73
POR= 29 YRS	3.61	3.11	4.33	4.06	3.88	4.29	3.53	4.38	3.61	3.86	3.57	4.05	46.28

WBAN : 04781

AVERAGE TEMPERATURE (°F) 2012 ISLIP (KISP)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1984	27.4	38.1	34.7	48.0	57.2	70.2	71.8	73.9	62.6	57.5	44.7	41.3	52.3
1985	26.3	32.9	41.9	50.8	60.5	65.4	73.4	71.8	66.9	55.9	48.4	32.1	52.2
1986	31.7	30.1	40.4	49.8	61.4	67.6	73.4	70.3	63.7	53.9	42.6	36.4	51.8
1987	30.5	30.3	41.1	49.9	58.0	69.2	74.9	70.9	65.1	51.0	45.7	36.9	52.0
1988	26.6	32.4	39.9	47.8	58.8	67.8	75.0	75.0	64.2	49.7	45.3	33.4	51.3
1989	34.6	31.4	38.2	47.4	58.6	69.9	72.7	73.1	65.0	54.4	42.6	24.8	51.1
1990	37.9	36.0	40.5	48.7	57.0	68.0	74.0	74.1	66.0	61.0	47.3	39.9	54.2
1991	32.2	36.7	42.7	52.0	64.1	70.5	74.8	74.5	64.3	56.0	45.8	37.3	54.2
1992	32.5	34.2	37.0	46.0	57.2	66.3	71.5	70.3	64.7	51.9	44.5	36.1	51.0
1993	34.6	28.4	36.8	49.4	60.8	69.0	75.7	73.1	65.4	52.3	44.0	35.2	52.1
1994	25.7		38.6	51.2	57.9	71.3	77.3	70.5	65.0	54.1	49.3	39.8	
1995	38.1	32.6	42.9	49.1	58.4	68.4	75.9	74.3	65.2	58.6	42.7	31.4	53.1
1996	30.4	32.3	36.2	48.9	57.9	68.1	71.1	72.0	66.4	53.4	40.3	39.0	51.3
1997	30.2	37.3	38.8	47.9	55.7	67.9	74.5	72.4	65.9	55.2	43.4	37.7	52.2
1998	39.1	38.7	42.0	50.2	61.3	67.3	75.3	75.7	68.6	56.0	45.9	40.0	55.0
1999	33.7	35.8	40.9	50.6	60.6	71.9	78.6	72.9	66.9	53.7	48.3	38.4	54.4
2000	29.5	34.0	43.2	47.0	59.7	68.4	70.7	71.4	64.5	53.9	43.7	29.6	51.3
2001	29.5	33.0	36.7	49.6	60.0	70.9	70.3	75.6	65.1	54.9	48.5	41.3	53.0
2002	37.7	36.9	41.9	52.3	57.6	68.1	75.6	74.5	67.3	54.0	43.8	33.5	53.6
2003	26.5	27.9	39.7	46.7	55.7	66.1	73.5	74.9	67.0	53.0	48.0	36.6	51.3
2004	23.5	32.0	39.5	49.3	60.2	67.2	72.2	71.1	66.5	53.9	45.1	35.3	51.3
2005	28.6	31.9	35.1	49.8	54.8	69.4	74.1	77.1	70.2	56.5	46.5	33.6	52.3
2006	37.5	32.3	39.4	50.9	59.4	68.7	75.9	73.9	64.4	54.0	49.7	41.1	53.9
2007	35.9	27.1	38.4	47.4	60.7	68.5	73.3	72.9	67.2	61.1	43.1	35.1	52.6
2008	33.8	34.0	40.3	51.4	57.0	71.6	75.9	71.3	67.8	53.6	43.7	36.8	53.1
2009	26.5	34.2	38.8	50.7	59.0	65.5	70.9	74.7	64.4	53.5	49.2	34.5	51.8
2010	30.4	31.4	45.1	53.4	62.3	71.9	78.0	74.3	68.4	55.8	45.6	31.5	54.0
2011	27.1	32.7	40.4	50.6	62.1	70.1	77.7	74.2	69.0	56.7	49.9	40.5	54.3
2012	36.2	38.1	47.3	52.2	62.7	69.0	76.3	74.6	66.3	58.0	42.1	40.5	55.3
POR= 29 YRS	31.5	33.1	39.9	49.6	59.2	68.8	74.3	73.3	66.0	54.9	45.5	36.2	52.7

HEATING DEGREE DAYS (base 65°F) 2012 ISLIP (KISP)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1983-84							1162	773	933	501	237	29	
1984-85	0	0	119	228	601	729	1193	892	707	421	155	49	5094
1985-86	1	2	57	279	493	1012	1026	970	755	449	166	32	5242
1986-87	2	24	92	356	664	880	1064	964	736	447	257	25	5511
1987-88	0	7	59	427	572	867	1182	940	772	509	212	56	5603
1988-89	5	1	69	467	583	975	934	934	826	520	201	9	5524
1989-90	0	3	94	319	666	1239	833	807	751	488	244	26	5470
1990-91	3	2	71	193	524	771	1010	789	681	390	130	13	4577
1991-92	0	0	105	285	569	851	1001	891	865	563	249	26	5405
1992-93	4	4	82	400	607	888	935	1018	868	464	145	33	5448
1993-94	1	0	90	386	626	917	1210		811	409	225	10	
1994-95	0	1	40	332	462	774	828	903	678	470	206	18	4712
1995-96	0	0	67	208	664	1036	1067	941	883	477	259	20	5622
1996-97	1	0	64	352	732	797	1072	770	805	509	282	71	5455
1997-98	1	0	61	319	643	837	794	733	704	437	144	50	4723
1998-99	0	0	33	276	568	768	964	811	738	425	150	8	4741
1999-00	0	1	39	345	497	818	1093	890	667	535	194	46	5125
2000-01	1	2	106	335	635	1090	1091	888	868	454	185	16	5671
2001-02	3	0	69	313	486	730	841	778	710	407	239	48	4624
2002-03	0	1	22	353	630	969	1186	1033	779	546	282	72	5873
2003-04	0	0	26	366	505	875	1276	949	785	462	164	40	5448
2004-05	0	3	32	337	590	913	1117	921	918	450	311	25	5617
2005-06	3	0	21	281	548	968	847	907	784	415	187	27	4988
2006-07	0	0	67	338	448	733	897	1055	820	519	176	23	5076
2007-08	0	10	34	169	652	919	959	890	761	403	241	7	5045
2008-09	0	1	32	347	633	870	1186	855	805	434	185	54	5402
2009-10	8	0	69	352	470	938	1067	934	612	344	129	11	4934
2010-11	0	0	27	284	576	1030	1167	897	755	422	138	14	5310
2011-12	0	0	24	261	449	752	881	773	541	382	122	25	4210
2012-	0	0	53	227	682	751							

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COOLING DEGREE DAYS (base 65°F) 2012 ISLIP (KISP)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1984	0	0	0	0	2	189	217	282	53	3	0	0	746
1985	0	0	0	5	22	69	269	218	122	7	0	0	712
1986	0	0	0	64	115	270	194	60	19	0	0	0	722
1987	0	0	0	0	47	156	316	196	67	0	0	0	782
1988	0	0	0	0	25	145	320	319	55	2	0	0	866
1989	0	0	0	0	10	161	245	262	100	0	0	0	778
1990	0	0	0	7	1	123	290	287	108	73	0	0	889
1991	0	0	0	6	108	183	312	301	91	15	0	0	1016
1992	0	0	0	0	15	74	212	176	79	0	0	0	556
1993	0	0	0	0	23	161	339	259	110	0	2	0	894
1994	0	0	0	0	12	205	389	176	47	0	0	0	
1995	0	0	0	0	11	128	346	294	82	16	0	0	877
1996	0	0	0	0	42	121	197	224	112	0	0	0	696
1997	0	0	0	0	1	165	303	236	93	23	0	0	821
1998	0	0	0	0	39	125	331	338	149	4	0	0	986
1999	0	0	0	0	23	224	426	257	103	2	0	0	1035
2000	0	0	0	0	38	155	185	208	98	0	0	0	684
2001	0	0	0	0	34	201	175	335	78	7	0	0	830
2002	0	0	0	34	15	145	336	303	99	23	0	0	955
2003	0	0	0	1	1	113	272	313	89	0	0	0	789
2004	0	0	0	0	21	114	228	199	85	1	0	0	648
2005	0	0	0	0	0	165	292	382	184	24	0	0	1047
2006	0	0	0	0	21	141	346	283	56	3	0	0	850
2007	0	0	0	0	48	136	265	263	107	58	0	0	877
2008	0	0	0	2	2	213	346	203	122	2	0	0	890
2009	0	0	0	12	7	77	196	309	53	3	0	0	657
2010	0	0	0	4	50	226	413	296	136	2	0	0	1127
2011	0	0	0	0	58	171	399	292	150	12	0	0	1082
2012	0	0	0	6	56	154	357	306	100	15	0	0	994

SNOWFALL (inches) 2012 ISLIP (KISP)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1983-84							11.9	T	13.0	0.0	0.0	0.0	
1984-85	0.0	0.0	0.0	0.0	T	4.7	13.5	8.7	T	T	0.0	0.0	26.9
1985-86	0.0	0.0	0.0	0.0	T	2.1	2.6	10.4	0.1	T	0.0	0.0	15.2
1986-87	0.0	0.0	0.0	0.0	T	3.4	8.8	8.6	1.7	0.0	0.0	0.0	22.5
1987-88	0.0	0.0	0.0	0.0	1.1	4.2	10.7	0.1	3.4	0.0	0.0	0.0	19.5
1988-89	0.0	0.0	0.0	0.0	0.0	10.4	4.4	1.2	3.0	T	0.0	0.0	19.0
1989-90	0.0	0.0	0.0	0.0	7.6	0.2	2.0	2.0	4.2	3.0	0.0	0.0	19.0
1990-91	0.0	0.0	0.0	0.0	0.0	4.0	3.6	4.3	1.9	0.0	T	0.0	13.8
1991-92	0.0	0.0	0.0	0.0	0.0	2.0	2.3	1.5	7.6	T	0.0	0.0	13.4
1992-93	0.0	0.0	0.0	0.0	0.0	2.1	2.3	10.9	13.3	0.0	0.0	0.0	28.6
1993-94	0.0	0.0	0.0	0.0	T	3.3	8.8		5.0	0.0	T	0.0	
1994-95	0.0	0.0	0.0	0.0	T	T	T	5.1	T	0.0	0.0	0.0	5.1
1995-96	0.0	0.0	0.0	0.0	3.0	13.3	20.2	19.0	8.4	9.6	0.0	0.0	73.5
1996-97	0.0	0.0	0.0	0.0	T	1.2	3.3		3.7	2.0	0.0	0.0	
1997-98	0.0	0.0	0.0	0.0	T	1.0	T	T	1.6	T	0.0	0.0	2.6
1998-99	0.0	0.0	0.0	0.0	0.0	3.0	4.5	3.0	9.1	T	0.0	0.0	19.6
1999-00	T												
2000-01													
2001-02													
2002-03													
2003-04							19.1	1.1	5.7	0.0	0.0	0.0	
2004-05	0.0	0.0	0.0	0.0	T	7.0	21.5	17.0	13.3	0.0	0.0	0.0	58.8
2005-06	0.0	0.0	0.0	0.0	0.5	7.6	4.7	19.9	3.2	0.1	0.0	0.0	36.0
2006-07	0.0	0.0	0.0	0.0	T	0.0	1.0	4.2	3.8	T	0.0	0.0	9.0
2007-08	0.0	0.0	0.0	0.0	0.0	2.6	0.8	7.3	T	0.0	0.0	0.0	10.7
2008-09	0.0	0.0	0.0	0.0	T	10.4	8.9	3.3	13.6	T	0.0	0.0	36.2
2009-10	0.0	0.0	0.0	0.0	0.0	25.3	6.4	21.7	0.4	0.0	0.0	0.0	53.8
2010-11	0.0	0.0	0.0	0.0	T	14.9	34.4	3.9	2.1	T	0.0	0.0	55.3
2011-12	0.0	0.0	0.0	0.3	0.0	T	3.8	0.6	T	0.0	0.0	T	4.7
2012-	0.0	0.0	0.0	0.0	4.2	0.6							
POR= 25 YRS	T	0.0	0.0	0.0	0.7	4.8	6.7	5.7	4.2	0.6	T	T	22.7

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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. 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 CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS.</p> <p>GENERAL CONTINUED: 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</p>	<p>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. 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. STATION HISTORY STOPPED WITH THE 2009 ANNUAL. IF YOU NEED STATION HISTORY INFORMATION GO TO "Historical Observing Metadata Repository", URL IS: http://www.ncdc.noaa.gov/homr/ SNOWFALL STOPPED MONTH & YEAR INDICATED ABOVE. NO FURTHER YEARS INCLUDED UNLESS RESTARTED.</p> <p>NOTE:</p> <p>The "Period of Record:(POR)" for all "averages" is based on "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.</p> <p>The 2012 Annual Publications were reproduced on 6/05/13 to correct two problems that occurred when the Publications were first produced on 02/28/13.</p> <ol style="list-style-type: none"> 1) A small number of stations did not correctly show number of days with thunderstorms and heavy fog. 2) Climate Normals in the Annual Publications were based on a first edition of the 1981-2010 Normals release. With the release of Service Pack 1 (SP1) new normals for 83 stations are available and now included. Additional information on SP1 is available at: http://www1.ncdc.noaa.gov/pub/data/normals/1981-2010/status.txt.
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2012 ISLIP NEW YORK (KISP)

Long Island is the terminal moraine marking the southernmost advance of the ice sheet along the Atlantic Coast during the last ice age. The terrain is generally flat, with only a gradual rise in elevation from Long Island Sound on the northern shore and from the Atlantic Ocean on the southern shore toward the middle of the island. Islip is located about half-way out Long Island on the southern coast. The airport is located about seven miles to the northeast of the city. Islip is protected from flooding during periods of high tides by Fire Island, a natural barrier located about three miles offshore. Most of the air masses affecting Islip are continental in origin, however the ocean has a pronounced influence on the climate of the area.

A cool sea breeze blowing off the ocean during the summer months helps to alleviate the afternoon heat. There are an average of 7 days between June and September when the afternoon temperature exceeds 90 degrees, while farther inland there are 10 to 15 such days.

It is uncommon for the eye of a tropical storm to pass directly over Long Island. Tropical weather systems moving along the Atlantic Coast, however, are capable of producing episodes of heavy rain and strong winds in the late summer or fall.

The winter season is relatively mild. Below zero temperatures are reported on only one or two days in about half the winters. Temperatures of 10 degrees below zero or colder are extremely rare. The seasonal snowfall averages about 29 inches. Almost all of this snow falls between December and March. Coastal low pressure systems, Northeasters, are the principle source of this snow. These weather systems will occasionally produce a heavy snowfall. There are usually extended periods during the winter when the ground is bare of snow.

The average date of the last spring temperature of 32 degrees is April 27 and the average first fall occurrence is October 21. Inland locations would expect a shorter freeze-free season.

Station History

ISLIP, NY

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
ISLIP	1948-05-01	1964-01-01	40° 48'	-73° 7'			AIRWAYS
ISLIP LONG ISLAND MACARTHUR AP	2000-10-28	2013-03-05	40° 47'	-73° 6'	84		AIRWAYS, ASOS, COOP
ISLIP AFSS	1991-06-14	1999-08-01	40° 46'	-73° 6'	84		COOP
ISLIP AFSS	1999-08-01	2000-10-28	40° 47'	-73° 6'	84		AIRWAYS, ASOS, COOP
ISLIP FCWOS	1986-01-17	1991-06-14	40° 46'	-73° 6'	84		COOP
ISLIP	1964-01-01	1981-12-31	40° 46'	-73° 6'			AIRWAYS

Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
TEMP	1986-01-17	2000-10-28	DAILY	2400	HYGR		
PRECIP	2000-10-28	2013-03-05	DAILY	2400	TB	RCRD	
PRECIP	1986-01-17	2000-10-28	DAILY	2400	SRG		
TEMP	2000-10-28	2013-03-05	DAILY	2400	HYGR		

* For explanation of codes and abbreviations see Station Metadata link below.

Other Station Information can be found at:

ASOS Implementation by NWS: <http://www.nws.noaa.gov/ops2/Surface/asosimplementation.htm>

Station Metadata website: <http://www.ncdc.noaa.gov/homr>

INQUIRES/COMMENTS CALL: (828) 271-4800, option 2

Fax Number : (828) 271-4876

TDD : (828) 271-4010

Email : ncdc.orders@noaa.gov

NOAA/National Climatic Data Center

Attn: User Engagement & Services Branch

151 Patton Avenue

Asheville, NC 28801-5001

Visit our Web Site for other weather data: www.ncdc.noaa.gov