



SEPTEMBER 2013 LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

PITTSBURGH, PA
PITTSBURGH INTERNATIONAL AIRPORT (KPIT)
 Lat:40° 29'N Long: 80° 12'W Elev (Ground) 1203 Feet
 Time Zone : EASTERN WBAN: 94823 ISSN#: 0270-0522



Date 1	Temperature °F						Deg Days BASE 65°		WEATHER 10	SNOW/ICE ON GND(IN)		PRECIPITATION ON GND(IN)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES								Date 24
	MAXIMUM 2	MINIMUM 3	AVERAGE 4	DEP FROM NORMAL 5	AVERAGE DEW PT 6	AVERAGE WET BULB 7	HEATING 8	COOLING 9		0700 LST	1300 LST	2400 LST	2400 LST	AVERAGE STATION 15	AVERAGE SEA LEVEL 16	RESULTANT SPEED 17	RES DIR 18	AVERAGE SPEED 19	MAXIMUM					
																			3-SEC		2-MIN			
20	21	22	23	24																				
01	80	70	75	6	68	70	0	10	RA BR HZ	0		0.0	0.01	28.56	29.83	3.9	20	4.2	12	20	9	16	01	
02	85	63	74	6	65	68	0	9	RA BR	0		0.0	T	28.53	29.81	4.8	26	6.2	23	32	21	33	02	
03	72	58	65	-3	55	59	0	0	FG BR	0		0.0	0.00	28.66	29.97	7.3	31	7.8	25	29	17	33	03	
04	77	52	65	-3	53	58	0	0	BR	0		0.0	0.00	28.80	30.11	3.6	24	4.2	18	26	13	24	04	
05	76	56	66	-1	51	57	0	1		0		0.0	0.00	28.84	30.16	7.5	33	8.9	25	33	18	31	05	
06	75	46	61	-6	42	51	4	0		0		0.0	0.00	28.93	30.23	1.2	08	1.9	12	03	9	10	06	
07	80	47	64	-3	48	56	1	0		0		0.0	0.00	28.78	30.06	3.0	24	3.8	15	24	12	25	07	
08	80	63	72	6	59	64	0	7		0		0.0	0.00	28.71	30.00	5.0	35	6.7	22	33	17	34	08	
09	82	57	70	4	62	65	0	5	TS TSRA RA BCFG BR	0		0.0	0.47	28.79	30.08	3.7	15	4.5	43*	02	28*	02	09	
10	90*	70	80	14	70	73	0	15	BR HZ	0		0.0	0.00	28.82	30.11	7.3	21	7.6	21	21	16	21	10	
11	88	73	81*	15	68	71	0	16	TS TSRA RA BR HZ	0		0.0	0.01	28.83	30.10	4.0	22	4.8	24	29	20	29	11	
12	77	60	69	4	65	67	0	4	TS TSRA RA BR HZ	0		0.0	0.43	28.64	29.91	3.7	27	6.2	35	28	25	28	12	
13	66	52	59	-6	50	54	6	0	RA	0		0.0	0.22	28.65	29.95	10.1	33	10.4	29	36	24	33	13	
14	66	48	57	-8	43	49	8	0		0		0.0	0.00	28.82	30.15	4.0	34	4.7	17	36	14	36	14	
15	69	44	57	-8	47	52	8	0		0		0.0	T	28.85	30.15	2.1	21	3.1	15	23	13	21	15	
16	70	52	61	-3	51	55	4	0	RA BR	0		0.0	0.19	28.90	30.22	5.5	35	6.4	23	36	18	35	16	
17	69	46	58	-6	44	50	7	0		0		0.0	0.00	29.03	30.34	4.0	09	4.8	21	10	12	10	17	
18	73	46	60	-3	47	54	5	0		0		0.0	0.00	28.91	30.20	2.9	15	3.6	16	13	13	13	18	
19	76	61	69	6	59	62	0	4	DZ BR HZ	0		0.0	T	28.82	30.11	2.3	22	2.9	13	16	9	19	19	
20	79	60	70	7	64	66	0	5	DZ BR HZ	0		0.0	T	28.69	29.96	5.2	18	5.7	16	20	13	20	20	
21	69	54	62	0	60	61	3	0	RA DZ FG+ BR	0		0.0	0.98	28.48	29.76	0.9	25	6.6	23	36	18	35	21	
22	62	51	57	-5	46	51	8	0	RA FG+ FG BR	0		0.0	T	28.63	29.95	8.2	33	8.9	22	34	18	33	22	
23	58	44	51*	-11	42	48	14	0		0		0.0	0.00	28.82	30.14	4.2	01	4.7	16	02	12	03	23	
24	69	40*	55	-6	40	47	10	0	BCFG BR	0		0.0	0.00	28.79	30.09	1.7	09	2.2	13	12	10	08	24	
25	74	45	60	-1	46	52	5	0		0		0.0	0.00	28.66	29.96	2.2	05	2.5	13	08	8	10	25	
26	76	48	62	2	47	54	3	0		0		0.0	0.00	28.73	30.04	3.0	01	3.5	15	02	12	34	26	
27	74	50	62	2	49	55	3	0		0		0.0	0.00	28.87	30.18	3.4	07	4.2	13	06	10	12	27	
28	73	51	62	2	50	55	3	0	BR	0		0.0	0.00	28.92	30.22	5.2	13	5.5	17	12	13	12	28	
29	73	51	62	3	52	56	3	0		0		0.0	0.00	28.82	30.10	3.3	16	3.8	15	17	9	22	29	
30	70	54	62	3	56	59	3	0		0		0.0	0.00	28.75	30.04	2.2	24	2.4	15	25	12	25	30	

74.3	53.7	64.0	☼	53.3	58.0	3.3	2.5	< MONTHLY AVERAGES TOTALS >				0.0	2.31	28.77	30.06	1.0	29	5.1	< MONTHLY AVERAGES				
0.0	-0.3	-0.1		-----DEPARTURE FROM NORMAL ----->								-0.80	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3										
DEGREE DAYS								GREATEST 24-HR PRECIPITATION : 0.98 DATE : 21				SEA LEVEL PRESSURE				DATE TIME							
MONTHLY								GREATEST 24-HR SNOWFALL : 0.0 DATE :				MAXIMUM : 30.43				17 0900							
TOTAL DEPARTURE								GREATEST SNOW DEPTH : 0 DATE :				MINIMUM : 29.71				21 1408							
SEASON TO DATE								NUMBER OF -> DAYS WITH				MAXIMUM TEMP >= 90 : 1				MINIMUM TEMP <= 32 : 0				PRECIPITATION >= 0.01 INCH : 7			
HEATING : 98 -3 109 -5								THUNDERSTORMS : 3				MAXIMUM TEMP <= 32 : 0				MINIMUM TEMP <= 0 : 0				PRECIPITATION >= 0.10 INCH : 5			
COOLING : 76 0 795 67																SNOWFALL >= 1.0 INCH : 0							

**SEPTEMBER 2013
PITTSBURGH, PA**

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

PITTSBURGH, PA (KPIT)
SEPTEMBER 2013

WBAN # 94823

Date	FOR HOUR (LST) ENDING AT												Date	FOR HOUR (LST) ENDING AT												Date	Sum of Hourly Data	2400 LST Water Equiv.
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24			
01							0.01						01		T	T									01	0.01	0.01	
02													02					T							02	T	T	
03													03												03	0.00	0.00	
04													04												04	0.00	0.00	
05													05												05	0.00	0.00	
06													06												06	0.00	0.00	
07													07												07	0.00	0.00	
08													08												08	0.00	0.00	
09													09				T	0.44			0.02	0.01	T	09	0.47	0.47		
10													10											10	0.00	0.00		
11													11											11	0.01	0.01		
12											0.40	T	12	T	T	0.01	T							12	0.43	0.43		
13	0.04	0.07	T									0.11	13	T	T								0.03	13	0.22	0.22		
14													14											14	0.00	0.00		
15													15									T		15	T	T		
16	0.02	0.05	0.07	0.05	T								16											16	0.19	0.19		
17													17											17	0.00	0.00		
18													18											18	0.00	0.00		
19			T	T	T								19											19	T	T		
20												T	20											20	T	T		
21								T	0.05	0.17	0.21	0.18	21	0.10	0.05	0.05	0.15	0.02						21	0.98	0.98		
22					T								22											22	T	T		
23													23											23	0.00	0.00		
24													24											24	0.00	0.00		
25													25											25	0.00	0.00		
26													26											26	0.00	0.00		
27													27											27	0.00	0.00		
28													28											28	0.00	0.00		
29													29											29	0.00	0.00		
30													30											30	0.00	0.00		

* Indicates sum of Hourly and Daily disagree.

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	0.34	0.39	0.40	0.40	0.44	0.44	0.44	0.44	0.44	0.45	0.53	0.57
Ending Date	12	12	12	12	09	09	09	09	09	21	21	21
Ending Time (Hr/Min)	1039	1041	1045	1045	1630	1630	1630	1630	1630	1149	1216	1247

Note : The hourly and daily precipitation totals are printed in the last 2 columns and hi-lighted in red when they disagree. NWS does not edit ASOS hourly values but may edit daily and monthly totals. Hourly, daily, and monthly totals are printed as reported by the ASOS site.

Date and time are not entered for TRACE amounts.

REFERENCE NOTES & SUPPLEMENTAL SUMMARIES

* = Extreme for the month (last occurrence if more than one).

T = Trace precipitation amount.

+ = also occurs on earlier date.

FG+ = Heavy fog, visibility .25 miles or less.

BLANK entries denote missing or unreported data.

Resultant wind is the vector sum of the wind speeds and directions divided by the number of observations.

Wind direction is recorded in tens of degrees (2 digits) clockwise from true north. '00' = calm, 'VR' = variable.

Precipitation is for the 24-hour period ending at the time indicated in the column heading.

Ceilometer (30-second) data are used to derive cloudiness at or below 12,000 feet. This cloudiness is the mean cloud cover detected during sunrise to sunset (SR-SS), or midnight to midnight (MN-MN).

WEATHER NOTATIONS

QUALIFIER	WEATHER PHENOMENA		
DESCRIPTOR	PRECIPITATION	OBSCURATION	OTHER
BC Patches	DZ Drizzle	BR Mist	DS Duststorm
BL Blowing	GR Hail	DU Widespread Dust	FC Funnel Cloud
DR Low Drifting	GS Small Hail and/or Snow Pellets	FG Fog	+FC Tornado Waterspout
FZ Freezing	IC Ice Crystals	FU Smoke	PO Well-Developed Dust/Sand Whirls
MI Shallow	PL Ice Pellets	HZ Haze	
PR Partial	RA Rain	PY Spray	SQ Squalls
SH Shower(s)	SG Snow Grains	SA Sand	SS Sandstorm
TS Thunderstorm	SN Snow	VA Volcanic Ash	
VC In the Vicinity	UP Unkown Precipitation		GL Glaze

Intensity (as indicated on pages 4 to 6):
'+' = Heavy '' = Moderate '-' = Light

PITTSBURGH, PA SEPTEMBER 2013

Sky Condition is based on the sum (not to exceed 8) of the sunrise to sunset cloud cover below and above 12,000 feet.

Clear = 0-2 oktas, Partly Cloudy = 3-6 oktas, Cloudy = 7-8 oktas.

A Heating (Cooling) Degree Day is the difference between the average daily temperature and 65 degrees F. The HDD season begins July 1, the CDD season begins January 1.

Snow Depth, Snowfall, and Sunshine data may come from nearby sites that the National Weather Service deems Climatologically representative of this site.

NORMALS ARE FOR THE YEARS 1981-2010

ADDITIONAL NOTES & ERRATA:

Station Augmentation-WFO PBZ
Lat/Lon:/ Elevation:
Distance:2.5 MI Dir:SSE
Augmented Elements:Temp, Precip, Snow
Equipment:MMTS, SRG, Snowboard

Beginning with the January 2013 LCD, monthly mean temperature calculations have changed to the National Data Stewardship Team standard. Monthly maximum and minimum temperature are not rounded until after monthly mean temperature is calculated. This is the most accurate outcome, but may be slightly different from the mean derived from rounded monthly maximum and minimum.

Date	VISIBILITY (MILES)	
	MINIMUM	MAXIMUM
01	5.00	10.00
02	5.00	10.00
03	0.50	10.00
04	6.00	10.00
05	10.00	10.00
06	10.00	10.00
07	10.00	10.00
08	9.00	10.00
09	5.00	10.00
10	6.00	10.00
11	6.00	10.00
12	2.00	10.00
13	6.00	10.00
14	10.00	10.00
15	10.00	10.00
16	4.00	10.00
17	10.00	10.00
18	10.00	10.00
19	1.50	10.00
20	1.00	10.00
21	1.50	10.00
22	0.25	10.00
23	10.00	10.00
24	5.00	10.00
25	10.00	10.00
26	10.00	10.00
27	10.00	10.00
28	5.00	10.00
29	10.00	10.00
30	7.00	10.00
AVGS	6.53	10.00
MINIMUM VISIBILITY (MILES)		
<= .25	<= 3.0	>= 7.0
1	6	14

OBSERVATIONS AT 3-HOURLY INTERVALS

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)	
					DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)		STATION	SEA LEVEL
SUNRISE: 0611 SEP 25 SUNSET: 1814					47	44	46	90	0 00	28.70	30.00
01	FEW	220	10.00		46	41	44	83	0 00	28.67	29.96
04	BKN	250	10.00		48	45	47	89	0 00	28.67	29.98
07	BKN	220	10.00		59	48	53	67	3 06	28.69	29.98
10	SCT	220	10.00		70	46	57	42	0 00	28.66	29.96
13	BKN	250	10.00		72	47	58	41	5 07	28.62	29.92
16	BKN	250	10.00		65	47	55	52	6 02	28.64	29.93
19	BKN	250	10.00		58	50	54	75	0 00	28.67	29.96
22	BKN	250	10.00								
SUNRISE: 0612 SEP 26 SUNSET: 1812					56	49	52	77	0 00	28.68	29.96
01	BKN	220	10.00		53	47	50	80	0 00	28.69	29.98
04	BKN	220	10.00		51	46	48	83	0 00	28.73	30.03
07	SCT	250	10.00		63	50	56	63	0 00	28.77	30.07
10	FEW	250	10.00		74	45	58	36	5 35	28.75	30.04
13	FEW	250	10.00		75	43	58	32	6 08	28.75	30.04
16	SCT	250	10.00		68	47	56	47	7 36	28.79	30.08
19	FEW	250	10.00		61	49	54	65	6 35	28.80	30.10
22	CLR	NC	10.00								
SUNRISE: 0613 SEP 27 SUNSET: 1810					56	48	52	75	0 00	28.82	30.12
01	CLR	NC	10.00		52	47	49	83	0 00	28.83	30.13
04	CLR	NC	10.00		51	47	49	86	0 00	28.88	30.19
07	FEW	120	10.00		63	52	57	68	3 VR	28.91	30.21
10	CLR	NC	10.00		71	50	59	47	6 VR	28.89	30.19
13	SCT	040	10.00		71	48	58	44	3 12	28.87	30.17
16	SCT	055	10.00		67	50	57	55	6 06	28.88	30.19
19	SCT	250	10.00		60	51	55	72	5 10	28.91	30.22
22	CLR	NC	10.00								
SUNRISE: 0614 SEP 28 SUNSET: 1809					56	51	53	84	3 11	28.91	30.22
01	CLR	NC	10.00		53	50	51	89	5 10	28.92	30.23
04	CLR	NC	7.00		52	49	50	89	0 00	28.95	30.26
07	CLR	NC	5.00	BR	64	53	58	68	5 14	28.98	30.28
10	CLR	NC	10.00		71	52	60	51	11 15	28.93	30.23
13	SCT	040	10.00		72	50	59	46	7 14	28.89	30.19
16	SCT	050	10.00		64	50	56	60	9 11	28.88	30.19
19	SCT	150	10.00		57	48	52	72	6 12	28.88	30.19
22	CLR	NC	10.00								
SUNRISE: 0615 SEP 29 SUNSET: 1807					53	47	50	80	3 14	28.86	30.17
01	CLR	NC	10.00		53	47	50	80	3 13	28.84	30.14
04	BKN	049	10.00		52	47	49	83	5 15	28.85	30.16
07	BKN	130	10.00		64	50	56	60	9 19	28.83	30.14
10	BKN	250	10.00		72	54	61	53	5 VR	28.79	30.09
13	OVC	250	10.00		72	54	61	53	6 21	28.75	30.04
16	OVC	200	10.00		68	58	62	70	0 00	28.76	30.06
19	OVC	220	10.00		61	57	59	87	6 11	28.76	30.05
22	BKN	250	10.00								
SUNRISE: 0616 SEP 30 SUNSET: 1805					58	55	56	90	0 00	28.76	30.05
01	BKN	050	8.00		57	53	55	87	0 00	28.75	30.04
04	BKN	075	10.00		57	54	55	90	0 00	28.77	30.06
07	BKN	075	7.00		65	59	61	81	0 00	28.77	30.07
10	BKN	070	10.00		70	56	62	61	8 24	28.75	30.04
13	OVC	085	10.00		68	58	62	70	9 26	28.72	30.01
16	OVC	065	10.00		65	56	60	73	3 22	28.75	30.04
19	OVC	060	10.00		63	57	59	81	3 19	28.75	30.04
22	OVC	080	10.00								

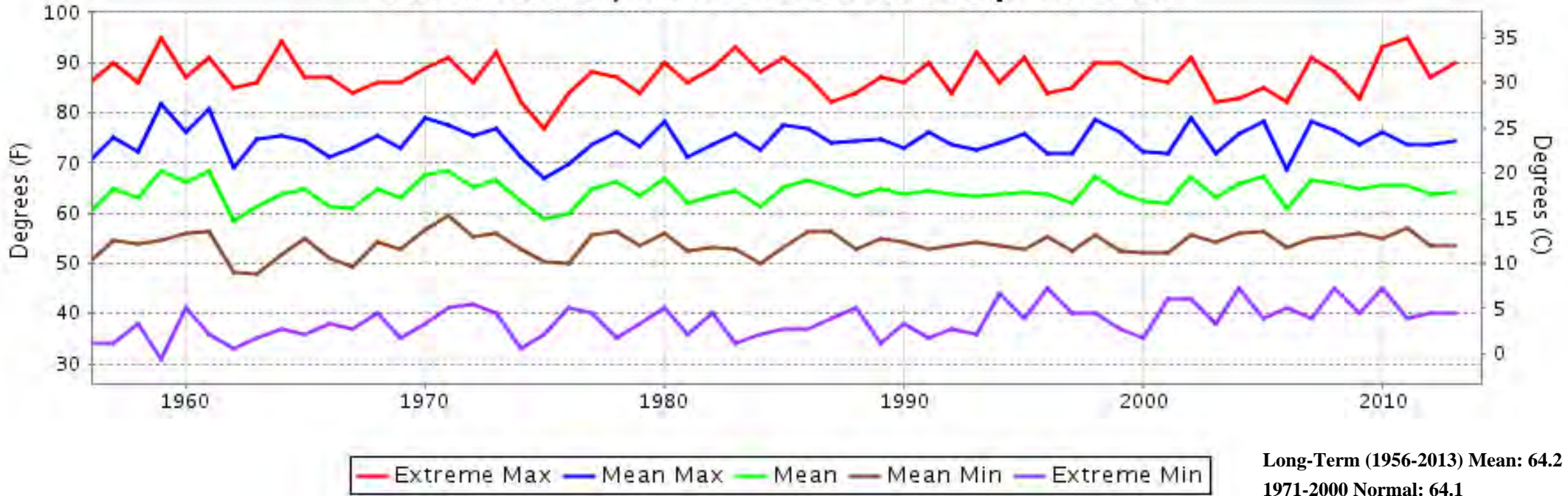
HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)	
					DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)		STATION	SEA LEVEL

3-HOURLY OBSERVATION NOTES
 Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8, SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, W = Vertical Visibility = 8/8
 Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet. NC = No Ceiling detected.
 & = Original observation contained additional weather elements.
 See page 3 for additional notes.

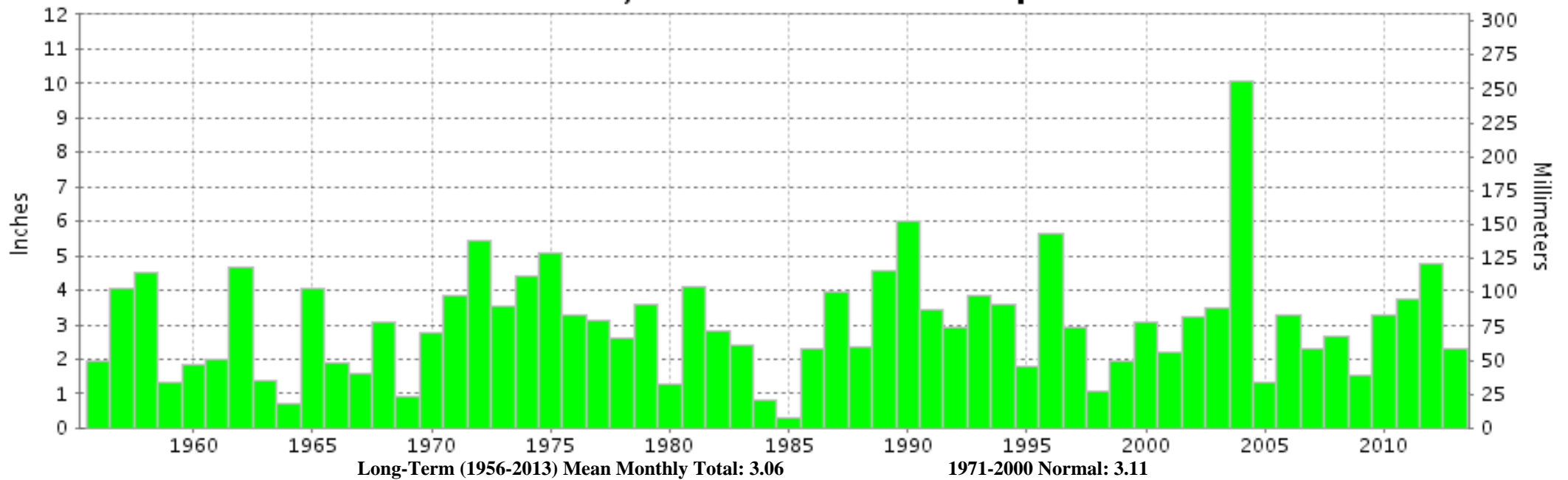
SUMMARY BY HOUR

HOUR (LST)	AVERAGES								RESULTANT WIND (MPH)	
	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (Inches, HG)		VISIBILITY (Miles)	WIND SPEED (MPH)	SPEED	DIRECTION
					STATION	SEA LEVEL				
01	59	53	56	82	28.77	30.06	9.00	3	1	32
02	58	53	56	83	28.76	30.05	8.71	2	2	31
03	58	53	55	85	28.76	30.05	8.60	2	2	31
04	57	53	55	86	28.76	30.05	8.15	3	2	31
05	57	53	55	87	28.76	30.06	8.08	3	2	31
06	57	53	55	87	28.77	30.07	7.88	3	2	31
07	57	53	55	86	28.79	30.08	7.97	3	2	31
08	60	54	57	82	28.79	30.09	8.07	5	1	34
09	63	54	58	75	28.80	30.09	8.60	6	1	32
10	66	54	59	67	28.80	30.09	9.10	7	2	29
11	68	53	60	61	28.80	30.09	9.12	7	2	29
12	69	53	60	59	28.79	30.08	9.12	7	2	30
13	71	53	61	56	28.77	30.07	9.32	7	2	30
14	72	53	61	53	28.76	30.05	9.58	8	2	30
15	72	52	61	52	28.75	30.04	9.62	8	2	29
16	72	53	61	52	28.74	30.04	9.62	8	3	28
17	71	53	61	54	28.75	30.04	9.93	8	2	29
18	69	53	60	58	28.75	30.04	9.77	7	1	31
19	67	54	59	64	28.75	30.05	9.73	6	1	32
20	65	54	59	68	28.77	30.06	9.40	5	1	36
21	63	54	58	72	28.77	30.07	9.27	4	1	34
22	62	54	57	76	28.77	30.07	9.43	4	1	33
23	61	54	57	78	28.77	30.07	9.50	3	1	34
24	60	53	56	80	28.77	30.07	9.33	4	1	34

PITTSBURGH, PA SEPTEMBER Temperatures



PITTSBURGH, PA SEPTEMBER Precipitation





**SEPTEMBER 2013
PITTSBURGH, PA**

**LOCAL CLIMATOLOGICAL DATA
NOAA, National Climatic Data Center**

I certify that this is an official publication of the National Oceanic and Atmospheric Administration (NOAA). It is compiled using information from weather observing sites operated by NOAA-National Weather Service / Department Of Transportation-Federal Aviation Administration and received at the National Climatic Data Center (NCDC), Asheville, North Carolina 28801.

A handwritten signature in black ink, appearing to read "Thomas R. Karl".

DIRECTOR

NCDC now offers free online access to the **Edited Local Climatological Data Publication**. Go to : www.ncdc.noaa.gov and choose Most Popular.

We welcome your questions or comments, please contact us at:
(828) 271-4800, option 2
Fax Number : 828-271-4876
TDD : (828) 271-4010
or Email : ncdc.orders@noaa.gov

NOAA\National Climatic Data Center
Attn: User Engagement & Services Branch
151 Patton Avenue
Asheville, NC 28801-5001