

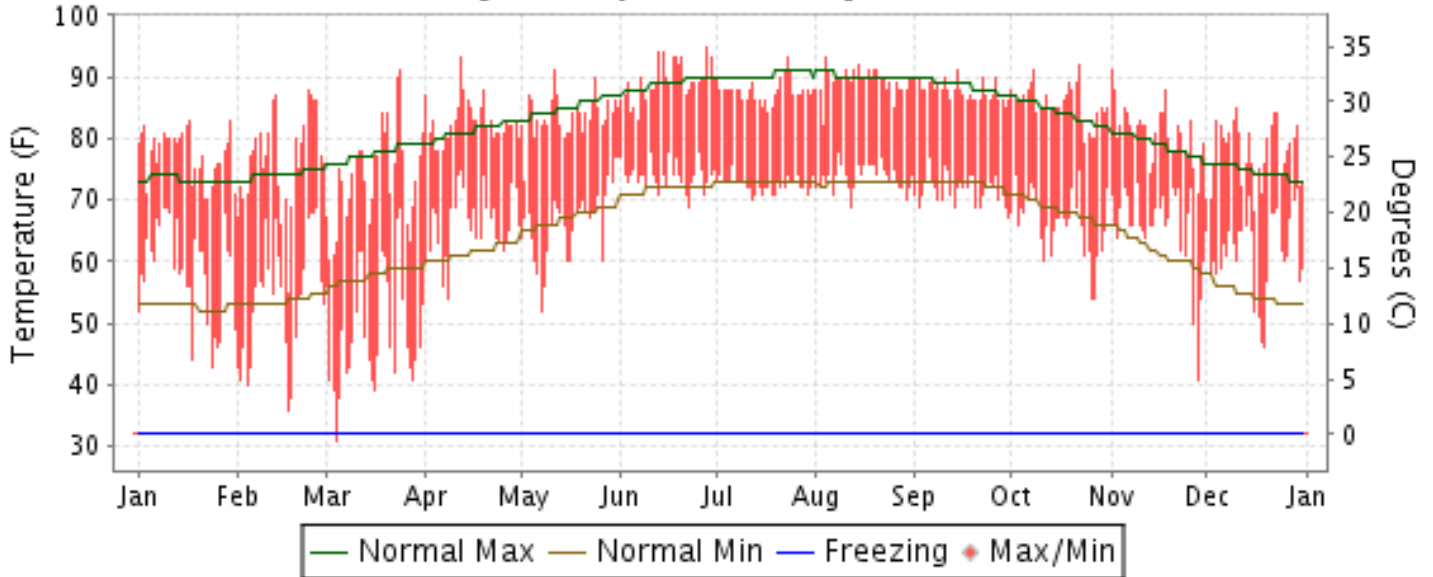


2013 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

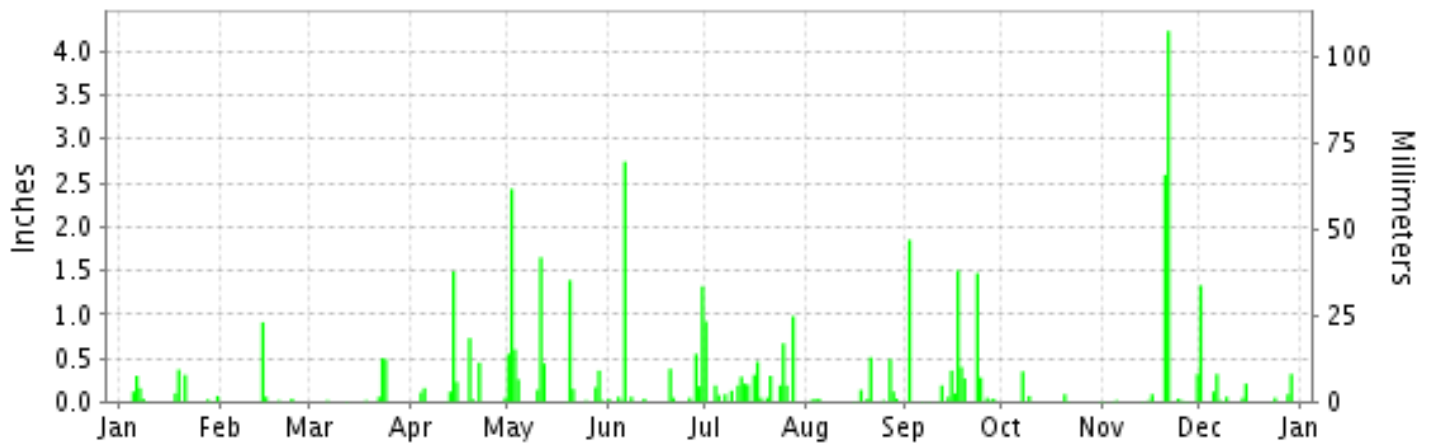
ISSN 0742-8758

VERO BEACH, FLORIDA (KVRB)

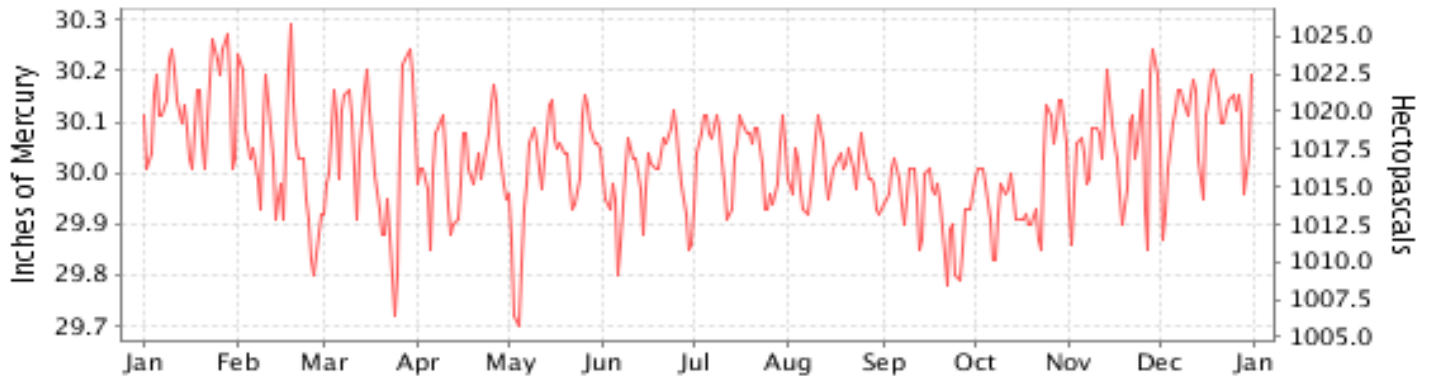
Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



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NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE, NORTH CAROLINA

Thomas R. Karl
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 2013

VERO BEACH (KVRB)

LATITUDE: 27° 39'N LONGITUDE: 80° 25'W ELEVATION (FT): GRND: 28 BARO: 38 TIME ZONE: EASTERN (UTC -5) WBAN: 12843

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	77.5	76.8	73.9	82.8	83.7	89.4	87.7	89.4	87.7	85.6	80.9	77.7	82.8	
	HIGHEST DAILY MAXIMUM	83	88	91	93	91	95	93	93	91	92	91	85	95	
	DATE OF OCCURRENCE	30+	23	24	12	11	28	23	04	14	22	01	10	JUN 28	
	MEAN DAILY MINIMUM	58.4	54.2	48.7	66.3	66.3	73.9	72.5	73.7	71.7	66.2	65.7	61.6	64.9	
	LOWEST DAILY MINIMUM	43	36	31	54	52	69	70	69	67	54	41	46	31	
	DATE OF OCCURRENCE	24	17	04	08	07	22	12	12	30	27+	28	19	MAR 04	
	AVERAGE DRY BULB	67.9	65.5	61.3	74.5	75.0	81.6	80.1	81.6	79.7	75.9	73.3	69.7	73.8	
	MEAN WET BULB	63.3	60.1	54.6	69.1	69.4	75.7	75.7	76.9	75.1	70.7	67.7	66.1	68.7	
	MEAN DEW POINT	60.5	55.8	47.8	65.8	66.0	73.5	74.2	75.0	73.5	68.2	64.8	64.2	65.8	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	2	1	2	13	5	19	7	2	1	0	52	
	MAXIMUM <= 32°	0	0	0	0	0	0	0	0	0	0	0	0	0	
	MINIMUM <= 32°	0	0	1	0	0	0	0	0	0	0	0	0	1	
MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0		
H/C	HEATING DEGREE DAYS	35	80	170	0	0	0	0	0	0	0	11	18	314	
	COOLING DEGREE DAYS	134	101	62	294	316	505	476	518	452	346	269	168	3641	
RH	MEAN (PERCENT)	79	73	63	76	74	80	85	83	85	79	77	84	78	
	HOUR 01 LST	89	82	80	84	84	89	96	95	94	92	86	90	88	
	HOUR 07 LST	89	86	72	77	76	80	84	83	88	85	82	92	83	
	HOUR 13 LST	63	54	42	63	60	68	74	67	72	62	65	70	63	
	HOUR 19 LST	81	76	65	79	76	83	88	86	88	82	80	89	81	
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	2	7	2	0	1	0	1	0	0	1	1	2	17	
	THUNDERSTORMS	0	0	2	4	4	6	11	5	7	1	0	41		
PR	MEAN STATION PRESS. (IN.)	30.13	30.03	30.04	30.02	30.01	29.99	30.04	30.00	29.93	29.98	30.04	30.10	30.03	
	MEAN SEA-LEVEL PRESS. (IN.)	30.17	30.06	30.07	30.03	30.04	30.02	30.07	30.03	29.96	30.00	30.07	30.13	30.05	
WINDS	RESULTANT SPEED (MPH)	2.1	0.9	1.3	4.5	4.0	4.3	3.7	4.5	2.5	2.2	5.9	2.1	2.5	
	RES. DIR. (TENS OF DEGS.)	07	18	30	11	10	14	13	11	07	04	06	08	10	
	MEAN SPEED (MPH)	7.5	7.7	8.6	9.2	8.1	7.2	6.5	6.7	5.9	6.5	10.6	7.8	7.7	
	PREVAIL.DIR.(TENS OF DEGS.)	12	12	32	11	10	11	11	10	06	07	09	13	11	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	26	26	35	28	33	29	30	26	44	22	28	26	44	
	DIR. (TENS OF DEGS.)	14	20	23	14	25	29	26	23	25	35	27	35	25	
	DATE OF OCCURRENCE	30	26	24	19	11	29	01	04	02	09	27	12	SEP 02	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	35	37	45	35	47	39	41	36	55	29	39	33	55	
DIR. (TENS OF DEGS.)	36	20	23	13	26	19	30	23	22	35	03	35	22		
DATE OF OCCURRENCE	22	26	24	19	11	06	24	04	02	09	13	12	SEP 02		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	1.52	1.03	1.10	3.38	8.19	5.49	5.50	1.47	6.62	0.53	7.38	2.59	44.80	
	GREATEST 24-HOUR (IN.)	0.47	0.96	0.56	1.71	2.96	2.76	0.98	0.51	1.85	0.35	4.23	1.33	4.23	
	DATE OF OCCURRENCE	18-19	14-15	22-23	14-15	01-02	05-06	28	21	02	07	21	01	NOV 21	
	NUMBER OF DAYS WITH:														
PRECIPITATION 0.01	11	4	6	10	14	12	18	11	16	5	13	12	132		
PRECIPITATION 0.10	6	1	2	7	11	5	14	4	9	1	3	5	68		
PRECIPITATION 1.00	0	0	0	1	3	2	0	0	3	0	2	1	12		
SNOWFALL	SNOW,ICE PELLETS,HAIL														
	TOTAL (IN.)														
	GREATEST 24-HOUR (IN.)														
	DATE OF OCCURRENCE														
	MAXIMUM SNOW DEPTH (IN.)														
DATE OF OCCURRENCE															
NUMBER OF DAYS WITH:															
SNOWFALL >= 1.0															

NORMALS, MEANS, AND EXTREMES

VERO BEACH (KVRB)

LATITUDE: 27° 39'N LONGITUDE: 80° 25'W ELEVATION (FT): GRND: 28 BARO: 38 TIME ZONE: EASTERN (UTC -5) WBAN: 12843

ELEMENT		POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	72.4	74.5	77.2	80.5	84.8	88.3	90.0	89.8	88.0	84.2	78.9	74.2	81.9
	MEAN DAILY MAXIMUM	53	72.8	72.7	77.5	80.2	85.1	87.5	89.7	89.9	87.1	83.5	77.4	73.9	81.4
	HIGHEST DAILY MAXIMUM	30	88	89	93	94	99	102	99	98	97	94	92	87	102
	YEAR OF OCCURRENCE		1991	2012	2003	1999	2000	2009	1998	1999	1996	2009	2002	2009	JUN 2009
	MEAN OF EXTREME MAXS.	56	83.5	85.2	88.2	90.1	92.8	94.9	94.7	94.7	92.6	90.4	86.3	83.3	89.7
	NORMAL DAILY MINIMUM	30	51.7	54.1	57.6	61.2	67.6	72.1	73.4	73.6	73.3	68.9	61.5	55.0	64.2
	MEAN DAILY MINIMUM	53	52.9	53.4	58.2	61.9	68.0	71.4	73.4	73.8	73.0	68.8	60.9	55.4	64.3
	LOWEST DAILY MINIMUM	30	21	28	31	40	47	57	67	64	61	45	37	23	21
	YEAR OF OCCURRENCE		1985	1989	2013	2009	1999	1984	2008	1984	2006	2012	2008	1989	JAN 1985
	MEAN OF EXTREME MINS.	56	35.2	37.8	42.0	47.5	58.0	66.0	69.5	69.9	68.2	54.7	44.9	37.9	52.6
	NORMAL DRY BULB	30	62.1	64.3	67.4	70.9	76.2	80.2	81.7	81.7	80.6	76.5	70.2	64.6	73.0
	MEAN DRY BULB	53	62.9	63.1	67.9	71.1	76.6	79.6	81.6	81.9	80.1	76.2	69.1	64.7	72.9
	MEAN WET BULB	30	59.4	60.4	62.3	65.2	69.7	73.5	74.8	75.0	74.2	70.3	65.7	61.6	67.7
	MEAN DEW POINT	30	58.0	58.8	60.9	63.5	68.3	72.4	73.6	73.9	73.2	69.1	64.5	60.2	66.4
	NORMAL NO. DAYS WITH: MAXIMUM >= 90	30	0.0	0.0	0.1	0.8	3.0	8.3	14.5	14.0	5.5	1.6	0.1	0.0	47.9
	MAXIMUM <= 32	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MINIMUM <= 32	30	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.7	
MINIMUM <= 0	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
H/C	NORMAL HEATING DEG. DAYS	30	152	98	55	15	1	0	0	0	0	3	27	105	456
	NORMAL COOLING DEG. DAYS	30	61	78	129	190	348	456	518	518	469	361	183	93	3404
RH	NORMAL (PERCENT)	30	76	73	72	69	72	77	79	79	79	76	77	75	75
	HOURLY 01 LST	30	85	83	82	80	81	86	89	89	87	83	85	83	84
	HOURLY 07 LST	30	87	87	86	84	84	86	89	92	90	87	87	86	87
	HOURLY 13 LST	30	59	56	56	52	57	63	65	65	64	62	62	59	60
	HOURLY 19 LST	30	75	72	69	65	70	76	78	78	79	77	78	78	75
S	PERCENT POSSIBLE SUNSHINE														
W/O	MEAN NO. DAYS WITH: HEAVY FOG(VISBY <= 1/4 MI)	32	3.2	3.0	1.7	1.2	0.9	0.7	0.6	0.4	0.6	0.7	1.2	2.3	16.5
	THUNDERSTORMS	38	0.8	1.2	2.8	3.4	5.3	11.2	13.5	13.7	8.6	2.9	0.9	0.5	64.8
CLOUDINESS	MEAN: SUNRISE-SUNSET (OKTAS)														
	MIDNIGHT-MIDNIGHT (OKTAS)														
	MEAN NO. DAYS WITH: CLEAR														
	PARTLY CLOUDY CLOUDY														
PR	MEAN STATION PRESSURE(IN)	30	30.08	30.05	30.03	29.99	29.98	29.98	30.02	29.98	29.96	29.97	30.03	30.07	30.01
	MEAN SEA-LEVEL PRES. (IN)	30	30.12	30.09	30.06	30.02	30.01	30.01	30.05	30.01	29.97	30.00	30.06	30.11	30.04
WINDS	MEAN SPEED (MPH)	30	8.3	8.7	9.5	9.4	8.9	7.6	6.8	6.6	7.3	8.4	8.6	8.0	8.2
	PREVAIL.DIR(TENS OF DEGS)	30	32	36	09	14	12	11	12	12	09	06	32	33	12
	MAXIMUM 2-MINUTE: SPEED (MPH)	12	36	41	38	39	44	36	41	38	44	36	36	38	44
	DIR. (TENS OF DEGS)		29	30	32	31	29	21	05	35	25	36	25	26	25
	YEAR OF OCCURRENCE		2006	2007	2010	2010	2009	2012	2007	2008	2013	2011	2008	2004	SEP 2013
	MAXIMUM 3-SECOND SPEED (MPH)	12	46	52	54	49	58	48	61	59	60	53	44	46	61
	DIR. (TENS OF DEGS)		33	31	31	32	19	22	03	28	23	03	24	24	03
YEAR OF OCCURRENCE		2011	2007	2010	2010	2006	2012	2011	2011	2011	2011	2012	2008	2004	JUL 2011
PRECIPITATION	NORMAL (IN)	30	2.50	2.67	4.12	2.72	3.36	6.67	5.63	7.03	6.79	4.91	3.28	2.19	51.87
	MAXIMUM MONTHLY (IN)	30	8.91	6.91	12.78	10.45	10.52	20.73	13.72	18.91	23.01	21.93	11.76	5.94	23.01
	YEAR OF OCCURRENCE		1993	1998	1993	1997	2009	1992	2007	2008	2004	2011	1984	1994	SEP 2004
	MINIMUM MONTHLY (IN)	30	T	0.04	0.25	0.03	0.09	0.30	1.30	1.47	1.67	0.01	0.34	0.21	0.01
	YEAR OF OCCURRENCE		2012	2001	2002	1986	2004	1998	2003	2013	1988	2010	1989	1987	OCT 2010
	MAXIMUM IN 24 HOURS (IN)	30	3.38	3.44	6.80	3.72	3.26	4.15	4.21	7.08	7.30	8.34	5.67	3.39	8.34
	YEAR OF OCCURRENCE		1991	1991	1993	1998	1993	2007	2000	2008	2004	2011	1994	1994	OCT 2011
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	7.9	7.0	8.0	6.0	8.2	13.9	13.4	14.2	15.6	12.0	8.7	7.7	122.6
PRECIPITATION >= 1.00	30	0.8	0.7	1.0	0.8	1.0	2.4	1.9	2.0	1.9	1.2	0.9	0.6	15.2	
SNOWFALL	NORMAL (IN)	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	MAXIMUM MONTHLY (IN)	18	0.0	0.0	T	T	T	T	T	T	0.0	0.0	0.0	0.0	T
	YEAR OF OCCURRENCE				1995	1994	1995	1996	1992						JUN 1996
	MAXIMUM IN 24 HOURS (IN)	18	0.0	0.0	T	T	T	T	T	0.0	0.0	0.0	0.0	0.0	T
	YEAR OF OCCURRENCE				1995	1994	1995	1996	1992						JUN 1996
	MAXIMUM SNOW DEPTH (IN)	26	0	0	0	0	0	0	0	0	0	0	0	0	0
YEAR OF OCCURRENCE															
NORMAL NO. DAYS WITH: SNOWFALL >= 1.0	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

PRECIPITATION (inches) 2013 VERO BEACH (KVRB)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1984	1.59	4.79	2.43	0.83	5.75	4.58	3.27	3.70	9.52	1.66	11.76	1.74	51.62
1985	1.19	0.32	1.31	4.69	3.23	5.42	6.06	6.64	9.70	3.56	2.23	2.19	46.54
1986	2.94	1.77	3.76	0.03	1.77	4.47	11.11	4.43	5.30	12.37	4.42	4.33	56.70
1987	1.65	1.31	4.86	0.05	3.07	3.95	7.34	3.57	5.37	6.71	6.28	0.21	44.37
1988	3.35	2.09	5.74	1.77	4.02	4.93	10.71	3.39	1.67	1.63	2.07	3.28	44.65
1989	1.83	1.69	3.88	2.86	1.96	3.40	2.94	5.02	5.45	5.99	0.34	2.45	37.81
1990	1.77	2.51	0.90	1.92	4.14	4.79	5.90	9.71	8.76	3.66	1.60	0.55	46.21
1991	7.05	5.76	7.18	6.82	4.00	5.38	8.90	11.49	3.09	5.21	1.02	0.76	66.66
1992	1.72	3.22	1.07	2.45	0.98	20.73	1.78	5.36	8.05	1.73	5.98	1.78	54.85
1993	8.91	1.99	12.78	1.42	4.85	2.08	4.53	3.35	5.59	5.77	4.56	1.07	56.90
1994	3.04	3.89	2.90	5.73	3.10	6.07	3.81	7.41	11.34	5.83	6.74	5.94	65.80
1995	1.59	2.18	2.80	2.05	1.27	6.48	5.38	10.93	5.53	6.91	0.80	0.50	46.42
1996	4.19	0.86	10.80	1.41	6.88	10.54	7.55	1.73	3.29	8.55	.74	2.41	58.95
1997	3.41	2.73	3.98	10.45	3.11	8.24	5.54	10.25	4.97	2.19	2.65	4.67	62.19
1998	5.65	6.91	6.71	5.01	1.24	0.30	8.70	11.63	9.59	3.54	4.82	0.73	64.83
1999	2.33	0.98	0.54	1.25	4.02	11.95	2.78	7.17		11.66	2.88	1.35	
2000	2.88	1.15	2.41	1.95	0.36	6.55	11.55	4.53	7.83	7.15	0.50	0.42	47.28
2001	0.84	0.04	4.42	0.45	3.83	5.14	7.61	7.05	12.20	4.14	2.40	0.80	48.92
2002	1.83	4.90	0.25	3.37	3.60	15.08	8.26	7.91	1.84	1.47	2.01	5.41	55.93
2003	1.81	0.94	3.18	4.09	3.07	8.56	1.30	7.32	8.02	0.77	3.17	3.20	45.43
2004	2.78	2.95	0.84	1.50	0.09	3.87	3.86	9.71	23.01	3.59	0.95	2.55	55.70
2005	1.14	2.12	7.78	3.18	4.80	12.11	1.51	3.81	5.06	7.89	5.86	2.15	57.41
2006	0.33	3.53	0.53	1.09	1.37	7.96	4.23	4.89	5.64	0.98	1.12	1.89	33.56
2007	0.76	1.10	1.04	2.16	1.97	7.31	13.72	2.40	6.01	7.92	2.49	2.10	48.98
2008	1.22	1.46	3.87	3.96	2.08	3.00	6.97	18.91	2.62	7.91	3.40	0.45	55.85
2009	1.57	0.16	2.62	0.44	10.52	4.50	4.76	3.66	4.79	0.48	2.89	5.58	41.97
2010	0.94	2.14	9.42	3.91	3.16	5.11	1.67	2.89	4.80	0.01	2.43	0.56	37.04
2011	3.02	0.33	3.07	0.60	1.47	3.16	5.24	11.48	8.21	21.93	1.33	4.29	64.13
2012	T	1.80	3.01	4.14	5.76	4.05	1.97	11.47	8.65	4.70	0.85	3.51	49.91
2013	1.52	1.03	1.10	3.38	8.19	5.49	5.50	1.47	6.62	0.53	7.38	2.59	44.80
POR= 56 YRS	2.37	2.28	3.67	2.88	3.37	5.78	5.66	6.42	7.69	6.22	2.94	2.08	51.36

WBAN : 12843

AVERAGE TEMPERATURE (°F) 2013 VERO BEACH (KVRB)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1984	60.9	63.0	65.9	68.5	75.4	77.7	80.2	80.2	78.6	75.7	68.1	66.9	71.8
1985	57.0	63.9	68.3	70.3	74.8	81.5	80.6	81.8	79.3	80.1	73.3	61.6	72.7
1986	61.3	66.4	65.6	68.0	74.9	79.9	81.3	81.5	80.6	77.2	76.8	68.9	73.5
1987	60.3	64.5	66.7	75.7	81.4	82.3	82.6	81.7	81.7	74.0	71.1	66.1	73.5
1988	62.1	60.7	65.5	71.4	74.8	80.2	81.5	81.7	82.1	75.0	72.5	64.6	72.7
1989	67.3	65.6	69.9	72.3	76.6	80.1	81.7	82.3	81.8	76.2	70.4	58.1	73.5
1990	68.1	70.3	70.2	72.8	78.9	80.5	81.8	82.2	81.4	78.4	71.1	68.2	75.3
1991	68.2	65.3	68.5	75.4	79.3	81.1	82.4	82.6	81.2	77.0	68.8	67.6	74.8
1992	61.4	66.1	66.9	70.8	74.3	80.6	82.7	81.8	81.2	75.6	73.0	66.1	73.4
1993	68.5	62.6	65.9	68.5	75.5	80.0	82.7	82.1	81.1	77.1	71.3	61.0	73.0
1994	64.8	68.9	69.1	74.6	76.6	81.0	81.1	80.6	80.1	77.0	74.1	67.2	74.6
1995	60.7	62.2	69.8	72.8	79.6	80.6	82.2	82.8	81.5	79.2	67.5	62.0	73.4
1996	62.7	61.4	64.9	69.6	76.9	79.2	81.9	81.4	82.5	76.7	72.0	65.5	72.9
1997	64.6	70.8	74.0	71.9	77.6	81.1	83.4	82.5	80.1	76.0	69.2	64.5	74.6
1998	65.2	63.2	64.8	71.5	76.4	83.5	82.6	82.1	81.2	78.1	71.8	68.4	74.1
1999	65.3	63.9	64.3	72.3	73.9	78.9	81.1	82.1	79.8	76.3	70.1	63.4	72.6
2000	61.4	62.9	69.7	69.9	77.4	79.9	81.4	80.7	80.8	74.4	67.0	63.2	72.4
2001	57.0	68.9	68.5	71.4	75.8	80.2	80.9	80.8	78.5	76.5	71.0	68.1	73.1
2002	62.2	63.7	69.7	74.1	77.9	79.1	80.5	81.1	81.7	78.1	67.4	62.6	73.2
2003	55.8	65.9	73.6	70.5	78.5	80.5	81.5	81.2	79.9	76.4	72.4	61.8	73.2
2004	61.1	64.8	68.0	69.4	76.8	81.5	81.6	82.0	82.2	75.8	71.0	62.8	73.1
2005	63.5	63.8	65.9	68.3	75.7	80.4	83.7	83.5	81.3	76.9	70.6	63.0	73.1
2006	63.3	60.8	66.9	74.0	75.7	80.3	81.2	81.2	80.3	75.2	68.3	71.4	73.2
2007	67.0	63.1	69.4	71.1	76.6	79.5	81.5	83.2	81.7	80.2	69.6	68.4	74.3
2008	63.9	67.6	68.4	70.1	76.3	79.7	80.7	81.6	80.7	75.4	65.5	66.0	73.0
2009	59.9	61.4	66.9	70.6	76.6	81.1	81.7	82.3	80.8	78.2	70.9	66.8	73.1
2010	56.3	56.6	61.2	71.0	77.9	82.4	83.5	83.7	81.8	75.3	69.5	54.0	71.1
2011	60.5	65.7	68.1	74.4	76.9	80.9	82.5	83.7	80.9	74.6	72.3	69.3	74.2
2012	61.9	68.2	71.1	72.5	78.0	79.8	81.4	81.8	79.9	75.8	66.0	66.6	73.6
2013	67.9	65.5	61.3	74.5	75.0	81.6	80.1	81.6	79.7	75.9	73.3	69.7	73.8
POR= 53 YRS	62.9	63.1	67.9	71.1	76.6	79.6	81.6	81.9	80.1	76.2	69.1	64.7	72.9

HEATING DEGREE DAYS (base 65°F) 2013 VERO BEACH (KVRB)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1984-85	0	0	0	0	34	56	278	132	20	17	0	0	537
1985-86	0	0	0	0	14	175	156	62	109	16	0	0	532
1986-87	0	0	0	0	0	17	191	77	49	0	0	0	507
1987-88	0	0	0	0	28	77	147	159	87	9	0	0	507
1988-89	0	0	0	0	5	90	22	105	41	3	0	0	266
1989-90	0	0	0	15	13	233	37	19	8	2	0	0	327
1990-91	0	0	0	4	5	44	52	76	43	0	0	0	224
1991-92	0	0	0	0	54	39	153	62	55	22	1	0	386
1992-93	0	0	0	0	26	55	37	95	65	14	0	0	292
1993-94	0	0	0	4	28	146	83	29	41	1	0	0	332
1994-95	0	0	0	0	0	54	163	136	6	6	0	0	365
1995-96	0	0	0	0	47	161	152	165	119	29	0	0	673
1996-97	0	0	0	0	11	61	108	27	0	7	0	0	214
1997-98	0	0	0	2	21	123	87	96	119	7	0	0	455
1998-99	0	0	0	0	3	44	83	93	75	11	7	0	316
1999-00	0	0	0	0	7	107	137	98	6	23	0	0	378
2000-01	0	0	0	0	46	141	266	25	53	13	0	0	544
2001-02	0	0	0	4	0	55	160	85	18	0	0	0	322
2002-03	0	0	0	0	50	140	286	72	11	14	0	0	573
2003-04	0	0	0	0	12	143	141	85	36	28	0	0	445
2004-05	0	0	0	1	3	130	115	82	91	21	0	0	443
2005-06	0	0	0	13	17	118	125	157	40	0	0	0	470
2006-07	0	0	0	5	58	17	79	110	34	13	0	0	316
2007-08	0	0	0	0	14	29	106	60	29	17	0	0	255
2008-09	0	0	0	18	80	64	179	133	45	26	0	0	545
2009-10	0	0	0	6	21	79	304	251	139	3	0	0	803
2010-11	0	0	0	0	28	338	170	63	31	1	0	0	631
2011-12	0	0	0	3	10	27	129	42	12	7	0	0	230
2012-13	0	0	0	17	35	61	35	80	170	0	0	0	398
2013-	0	0	0	0	11	18							

WBAN : 12843

COOLING DEGREE DAYS (base 65°F) 2013 VERO BEACH (KVRB)

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1984	49	54	119	134	328	389	475	476	415	339	134	121	3033
1985	36	108	128	184	311	500	489	527	434	477	268	77	3539
1986	47	105	137	111	315	454	514	521	474	384	362	143	3567
1987	54	70	109	340	495	542	553	507	286	217	120	120	3516
1988	62	43	113	207	311	464	517	524	522	318	238	84	3403
1989	101	127	198	228	366	461	523	542	509	369	183	26	3633
1990	138	172	174	243	439	474	527	540	500	429	193	150	3979
1991	156	89	159	316	449	490	547	553	495	377	174	125	3930
1992	48	101	120	198	299	474	556	523	492	335	274	96	3516
1993	153	33	100	127	332	457	554	538	491	385	224	29	3423
1994	84	144	176	298	366	486	506	490	459	379	279	128	3795
1995	39	63	160	248	461	475	541	558	501	448	132	78	3704
1996	89	66	118	170	374	435	528	516	531	371	229	84	3511
1997	102	193	288	221	396	490	578	550	462	350	154	114	3898
1998	99	54	115	211	361	559	553	538	493	413	215	156	3767
1999	99	68	59	235	291	423	508	536	452	358	165	63	3257
2000	34	44	155	175	389	456	516	492	483	298	112	93	3247
2001	24	139	165	211	342	464	499	497	411	369	187	159	3467
2002	78	55	172	279	407	438	490	508	509	411	128	75	3550
2003	5	103	286	185	423	475	520	509	457	361	243	49	3616
2004	27	83	135	165	373	503	519	532	523	344	189	68	3461
2005	75	52	126	125	339	470	588	579	496	388	193	63	3494
2006	79	48	104	279	338	467	507	510	466	330	164	224	3516
2007	153	62	177	205	366	442	515	574	507	480	156	142	3779
2008	76	141	140	177	359	446	491	526	475	346	101	101	3379
2009	29	39	107	202	365	490	523	541	483	423	203	142	3547
2010	42	22	28	190	409	526	581	584	512	323	172	4	3393
2011	37	90	135	290	375	487	551	588	483	308	233	167	3744
2012	39	142	209	239	410	448	517	529	452	360	74	117	3536
2013	134	101	62	294	316	505	476	518	452	346	269	168	3641

SNOWFALL (inches) 2013 VERO BEACH (KVRB)

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1983-84							0.0	0.0	0.0	0.0	0.0	0.0	
1984-85	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1985-86	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1986-87	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1987-88	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1988-89	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1989-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	T
1990-91	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1991-92	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1992-93	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T
1993-94	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	T	0.0	T
1994-95	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	0.0	T	0.0	T
1995-96	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	T	T
1996-97	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1997-98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1998-99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1999-00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2000-01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2001-02													
2002-03													
2003-04													
2004-05													
2005-06													
2006-07													
2007-08													
2008-09													
2009-10													
2010													
POR= 37 YRS	T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	T	T	T	T	T

WBAN : 12843

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: 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>
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2013 VERO BEACH FLORIDA (KVRB)

Vero Beach is located on the southeast coast of Florida, separated from the Atlantic Ocean by the Inland Waterway and a narrow island offshore. Its climate is strongly influenced by this maritime location. Temperatures in summer rarely reach 100 degrees. The average maximum temperature in July and August is about 90 degrees. In winter the average minimum temperature is slightly above 50 degrees with record lows near 20 degrees. On average, only one day a year experiences freezing temperatures, usually in January.

Rainfall occurs in all seasons but most abundantly in summer when showers are common. Thunderstorms are present approximately 70 to 80 days a year. Monthly precipitation amounts in winter are about half those in summer, and are due in part to cold frontal systems traversing the region. Throughout

the year, relative humidity at 7 A.M. tends to range from 80 to 90 percent. The 1 P.M. humidity ranges from 60 to 70 percent with lower values occurring in midafternoon when temperatures are the highest.

Vero Beach lies at the northern boundary of a tropical rainy region. Within that region during summer and fall there may be hurricane activity. Of those hurricanes that pass close to Vero Beach, many move northward offshore, some cross the peninsula of Florida moving generally eastward but being weakened by their passage over land, and some enter the coastal area from the Atlantic Ocean. The frequency of the latter group has been small, about 5 in 114 years.

Station History

VERO BEACH, FL

NAME	Begin Date	End Date	Latitude	Longitude	Elevation Feet	Relocation	Platform
VERO BEACH MUNICIPAL AP	1984-02-01	2001-07-30	27° 39'	-80° 25'	24		COOP
VERO BEACH INTL AP	2013-04-23	Present	27° 39'	-80° 25'	28		ASOS, COOP
VERO BEACH MUNICIPAL AP	1942-01-01	1965-01-01	27° 39'	-80° 25'	26		AIRWAYS, COOP
VERO BEACH MUNICIPAL AP	1981-12-31	1984-02-01	27° 39'	-80° 25'	39		COOP
VERO BEACH INTL AP	2006-04-01	2013-04-23	27° 39'	-80° 25'	28		ASOS, COOP
VERO BEACH MUNICIPAL AP	1931-07-01	1942-01-01	27° 39'	-80° 25'	30		AIRWAYS, COOP
VERO BEACH MUNICIPAL AP	1965-01-01	1981-12-31	27° 39'	-80° 25'	39		AIRWAYS, COOP
VERO BEACH MUNICIPAL AP	2001-07-30	2006-04-01	27° 39'	-80° 25'	19		ASOS, COOP

Element History

Element	Begin Date	End Date	Frequency	Time Of Observation	Equipment *	Equipment * Modifications	Equipment Exposure
PRECIP	2006-04-01	Present	HOURLY	2400	AWPAG	RCRD;HTD	
PRECIP	2006-04-01	Present	DAILY	2400	PCPNX		
TEMP	1984-02-01	2006-04-01	DAILY	2400	TEMPX		
PRECIP	1984-02-01	2006-04-01	DAILY	2400			
TEMP	2006-04-01	Present	DAILY	2400	ATEMP		

* 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