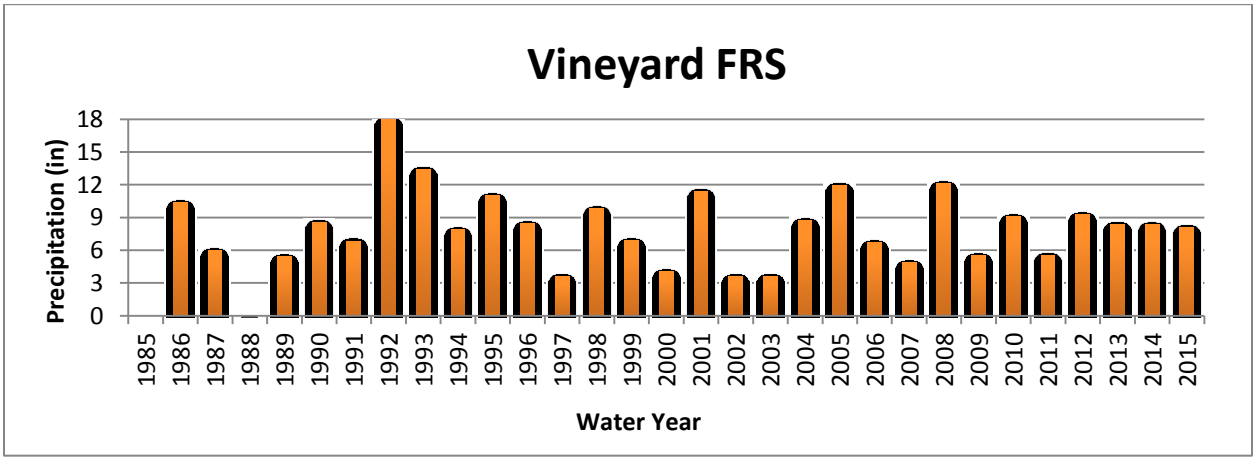
# Station Name: Vineyard FRS

| | |
|---|---|
| **Station ID Number History:** | **6685** since 09/18/92<br>**5610** from 10/01/87 - 09/18/92<br>**0072** from 05/01/85 - 10/01/87<br>**0045** from 11/02/83 - 05/01/85 |
| **Station Type:** | Rain / Stage |
| **Data Begins:** | 11/02/1983 |
| **Years Since Installation:** | 31.91 (as of 10/01/15) |
| **Data Repeater:** | Direct |
| **County:** | Pinal |
| **Latitude:** | 33° 21' 03.3" (33.35091) |
| **Longitude:** | 111° 32' 34.2" (111.54282) |
| **Elevation:** | 1,580 ft. msl |
| **Location:** | Alignments of Tomahawk Rd. and Williams Field Rd. |
| **Data Record:** | |
| Incomplete Months: | 11/87 |
| Missing Months: | 12/84; 01/85; 03-04/85; 10/87 |
| **Remarks:** | Records Fair; Good since 1989 |



**Data Statistics for Period of Record:**

| | | |
|---|---|---|
| Number of storms greater than 1 inch in 24 hours: | 50 | |
| Number of storms greater than 2 inches in 24 hours: | 4 | |
| Number of storms greater than 3 inches in 24 hours: | 0 | |
| | | Approx. $T_r$ |
| Greatest 15 minute total: | 0.87" on 08/27/99 | 17 years |
| Greatest 1 hour total: | 1.73" on 07/23/99 | 39 years |
| Greatest 3 hour total: | 1.77" on 09/02/96 | 24 years |
| Greatest 6 hour total: | 1.85" on 09/02/96 | 17 years |
| Greatest 24 hour total: | 2.44" on 03/11/06 | 13 years |
| Greatest 72 hour total: | 2.76" on 11/15/93 | 10 years |

**Water Year Totals: (Mean of Complete Water Years [29] = 8.18 inches)**

| Water Year | Total | Water Year | Total | Water Year | Total | Water Year | Total |
|---|---|---|---|---|---|---|---|
| 2020 | | 2010 | 9.09 | 2000 | 4.06 | 1990 | 8.54 |
| 2019 | | 2009 | 5.51 | 1999 | 6.89 | 1989 | 5.39 |
| 2018 | | 2008 | 12.09 | 1998 | 9.84 | 1988 | M |
| 2017 | | 2007 | 4.84 | 1997 | 3.58 | 1987 | 5.98 |
| 2016 | | 2006 | 6.73 | 1996 | 8.46 | 1986 | 10.39 |
| 2015 | 8.07 | 2005 | 11.97 | 1995 | 10.98 | 1985 | M |
| 2014 | 8.35 | 2004 | 8.70 | 1994 | 7.87 | 1984 | M |
| 2013 | 8.39 | 2003 | 3.58 | 1993 | 13.43 | 1983 | |
| 2012 | 9.25 | 2002 | 3.58 | 1992 | 17.95 | 1982 | |
| 2011 | 5.55 | 2001 | 11.38 | 1991 | 6.85 | 1981 | |

M: One or more months contain partial or missing data

**Design Rainfall for this Geographic Location:**

**Click this link for Point Precipitation Frequency Estimates (Annual Maximum Series) in Tabular and Graphical Formats from NOAA Atlas 14, Volume I, Version 5**

**Flood Control District of Maricopa County ALERT System**

Daily Rainfall at Vineyard FRS (gage # 6685) for Water Year 2015

| DAY | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | .04 | | | | | | | | |
| 2 | | | | | | .51 | | | | | | |
| 3 | | | | | | | | | | .08 | | |
| 4 | | | .63 | | | | | .16 | | | | |
| 5 | | | | | | | | | .24 | | | |
| 6 | | | | | | | | | .04 | | | |
| 7 | | | | | | | | | | | .20 | |
| 8 | .24 | | | | ---- | | | | | | | |
| 9 | .04 | | | | ---- | | | | | | | |
| 10 | | | | | | | | | .04 | | | |
| 11 | | | | | | | | | | | .35 | |
| 12 | | | | | | | | | | | | |
| 13 | | | .16 | .16 | | | | | | | | |
| 14 | | | | | | | | | | | | |
| 15 | | | | | | | | 1.02 | | | | |
| 16 | | | | | | | | .04 | | | | |
| 17 | | | .08 | | | | | | | | | |
| 18 | | | | | | .12 | | | | .16 | | |
| 19 | | | | | | .12 | | | | | | |
| 20 | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | .28 |
| 22 | | | | | | | | | | | | .59 |
| 23 | | | | | | | | | | | | .04 |
| 24 | | | | | .04 | | .24 | | | | | |
| 25 | | | | | | | .04 | | | | | |
| 26 | | | | .04 | | | .12 | | | | | |
| 27 | | | | .08 | | | | | | | | |
| 28 | | | | | | | | | | | | |
| 29 | | | | .16 | ---- | | | | | | | |
| 30 | | | | 1.34 | ---- | | | | | | .24 | |
| 31 | | ---- | .28 | | ---- | | ---- | | ---- | | .20 | ---- |
| SUM | 0.28 | 0.00 | 1.14 | 1.81 | 0.04 | 0.75 | 0.39 | 1.22 | 0.31 | 0.24 | 0.98 | 0.91 |
| ACC | 0.28 | 0.28 | 1.42 | 3.23 | 3.27 | 4.02 | 4.41 | 5.63 | 5.94 | 6.18 | 7.17 | 8.07 |
| MAX | 0.24 | 0.00 | 0.63 | 1.34 | 0.04 | 0.51 | 0.24 | 1.02 | 0.24 | 0.16 | 0.35 | 0.59 |
| NO. | 2 | 0 | 4 | 6 | 1 | 3 | 3 | 3 | 3 | 2 | 4 | 3 |

| | |
|---|---|
| Maximum Daily Rainfall | 1.34 |
| Maximum Monthly Rainfall | 1.81 |
| Total Annual Rainfall | 8.07 |
| Number of Days with Rain | 34 |

Gage 6685 down from 2/07 10:20 (82) through 2/10 07:02 (82) due to transmitter problem, no rain fell.

**Flood Control District of Maricopa County ALERT System**

Daily Rainfall at Vineyard FRS (gage # 6685) for Water Year 2014

| DAY | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | .94 | | | | | | |
| 2 | | | | | | .04 | | | | | .08 | |
| 3 | | | | | | | | | | | | |
| 4 | | .08 | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | 2.09 |
| 9 | | | | | | | | | | | | .04 |
| 10 | .04 | | | | | | | | | | .16 | .04 |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | | | | | | .39 | |
| 13 | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | |
| 17 | | | | | | | | | | | .04 | |
| 18 | | | | | | | | | | | .04 | |
| 19 | | | | | | | | | | | .08 | |
| 20 | | | .43 | | | | | | | | | |
| 21 | | .20 | | | | | | | | | | |
| 22 | | 1.06 | | | | | | | | | | |
| 23 | | .63 | | | | | | | | | | |
| 24 | | | | | | | | | | | | |
| 25 | | | | | | | | | | | .16 | |
| 26 | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | 1.81 |
| 28 | | | | | | | | | | | | |
| 29 | | | | | ---- | | | | | | | |
| 30 | | | | | ---- | | | | | | | |
| 31 | | ---- | | | ---- | | ---- | | ---- | | | ---- |
| SUM | 0.04 | 1.97 | 0.43 | 0.00 | 0.00 | 0.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 3.98 |
| ACC | 0.04 | 2.01 | 2.44 | 2.44 | 2.44 | 3.43 | 3.43 | 3.43 | 3.43 | 3.43 | 4.37 | 8.35 |
| MAX | 0.04 | 1.06 | 0.43 | 0.00 | 0.00 | 0.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.39 | 2.09 |
| NO. | 1 | 4 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 7 | 4 |

| | |
|---|---|
| Maximum Daily Rainfall | 2.09 |
| Maximum Monthly Rainfall | 3.98 |
| Total Annual Rainfall | 8.35 |
| Number of Days with Rain | 19 |

**Flood Control District of Maricopa County ALERT System**

Daily Rainfall at Vineyard FRS (gage # 6685) for Water Year 2013

| DAY | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | .16 | |
| 7 | | | | | | | | | | | .04 | |
| 8 | | | | | | .91 | .12 | | | | | .28 |
| 9 | | .24 | | | | | | | | | | .31 |
| 10 | | .24 | | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | | | | | .12 | | |
| 13 | | | .24 | | | | | | | .04 | | |
| 14 | | | .24 | | | | | | | | | |
| 15 | | | .75 | | | | | | | | | |
| 16 | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | |
| 19 | | | .12 | | | | | | | .04 | | |
| 20 | | | | | .43 | | | | | .12 | .04 | |
| 21 | | | | | | | | | | .04 | | |
| 22 | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | |
| 24 | | | | | | | | | | | .16 | |
| 25 | | | | | | | | | | | | |
| 26 | | | | 1.14 | | | | | | .12 | | |
| 27 | | | | .20 | | | | | | .55 | | |
| 28 | | | | | | | | | | | .04 | |
| 29 | | | | | ---- | | | | | | | |
| 30 | | | .20 | | ---- | | | ---- | | | 1.54 | |
| 31 | | ---- | | | ---- | | ---- | ---- | ---- | | | ---- |
| SUM | 0.00 | 0.47 | 1.54 | 1.34 | 0.43 | 0.91 | 0.12 | 0.00 | 0.00 | 1.02 | 1.97 | 0.59 |
| ACC | 0.00 | 0.47 | 2.01 | 3.35 | 3.78 | 4.69 | 4.80 | 4.80 | 4.80 | 5.83 | 7.80 | 8.39 |
| MAX | 0.00 | 0.24 | 0.75 | 1.14 | 0.43 | 0.91 | 0.12 | 0.00 | 0.00 | 0.55 | 1.54 | 0.31 |
| NO. | 0 | 2 | 5 | 2 | 1 | 1 | 1 | 0 | 0 | 7 | 6 | 2 |

| | |
|---|---|
| Maximum Daily Rainfall | 1.54 |
| Maximum Monthly Rainfall | 1.97 |
| Total Annual Rainfall | 8.39 |
| Number of Days with Rain | 27 |

Gage 6685 down from 5/29 20:28 (122) through 6/01 20:28 (122) due to data collision; no rain fell.

**Flood Control District of Maricopa County ALERT System**

Daily Rainfall at Vineyard FRS (gage # 6685) for Water Year 2012

| DAY | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | ---- | | | | | | | | |
| 2 | | | | ---- | | | | | | | | |
| 3 | | | .12 | | | | | | | | | |
| 4 | | | | | | | | | | | | 1.14 |
| 5 | | .24 | | | | | | | | | | |
| 6 | | | | | | | | | | | | |
| 7 | | .16 | | | | | | | | | | .83 |
| 8 | | | | | | | | | | | | |
| 9 | | | | | | | | .16 | | | | |
| 10 | | | | | | | | | | .12 | | .20 |
| 11 | | | | | | | | | | | | .04 |
| 12 | | | .75 | | | | | | | .04 | | |
| 13 | | .04 | 1.02 | | | | | | | | | |
| 14 | | | | | .12 | | .08 | | | .63 | | |
| 15 | | | | | | | | | | | | |
| 16 | | | | .04 | | | | | | | .12 | |
| 17 | | | | | | | | | | | | |
| 18 | | | .04 | | | 1.02 | | | | | | |
| 19 | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | |
| 21 | | | | | | | | | | .08 | .16 | |
| 22 | | | | | | ---- | | | | | .20 | |
| 23 | | | | | | ---- | | | | | .79 | |
| 24 | | .08 | | | | ---- | | | | | | |
| 25 | | .04 | | | | | | | | | | |
| 26 | .24 | | | | | | .08 | | | | | |
| 27 | | | | | | | | | | | | |
| 28 | | | | | | | | | | .16 | | |
| 29 | | | | | | | | | | .55 | | |
| 30 | | | | | ---- | | | | | | | |
| 31 | | ---- | | | ---- | | ---- | | ---- | | | ---- |
| SUM | 0.24 | 0.55 | 1.93 | 0.04 | 0.12 | 1.02 | 0.16 | 0.16 | 0.00 | 1.58 | 1.26 | 2.20 |
| ACC | 0.24 | 0.79 | 2.72 | 2.76 | 2.87 | 3.90 | 4.06 | 4.21 | 4.21 | 5.79 | 7.05 | 9.25 |
| MAX | 0.24 | 0.24 | 1.02 | 0.04 | 0.12 | 1.02 | 0.08 | 0.16 | 0.00 | 0.63 | 0.79 | 1.14 |
| NO. | 1 | 5 | 4 | 1 | 1 | 1 | 2 | 1 | 0 | 6 | 4 | 4 |

| | |
|---|---|
| Maximum Daily Rainfall | 1.14 |
| Maximum Monthly Rainfall | 2.20 |
| Total Annual Rainfall | 9.25 |
| Number of Days with Rain | 30 |

Gage 6685 down from 12/31 07:11 (69) through 01/03 13:11 (69) due to data collision; no rain fell.
Gage 6685 down from 03/21 16:02 (99) through 03/25 10:02 (99) due to data collision; no rain fell.

**Flood Control District of Maricopa County ALERT System**

Daily Rainfall at Vineyard FRS (gage # 6685) for Water Year 2011

| DAY | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | .04 | | |
| 4 | | | | | | | | | | | | |
| 5 | .79 | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | |
| 9 | | | | | | | .59 | | | .08 | | .12 |
| 10 | | | | | | | | | | | | .31 |
| 11 | | | | | | | | | | .08 | | |
| 12 | | | | | | | | | | | .28 | |
| 13 | | | | | | | | | | | .04 | .04 |
| 14 | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | |
| 16 | | | .20 | | | | | | | | .08 | |
| 17 | | | | | | | | | | | | |
| 18 | | | | | | | | | | | .12 | |
| 19 | | | | | .35 | | | | | | | |
| 20 | | | | | .08 | | | | | | | |
| 21 | | .04 | | | | .12 | | | | | | |
| 22 | | .20 | .16 | | | | | | | | | |
| 23 | | | .28 | | | | | | | | | |
| 24 | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | |
| 26 | | | | | | ---- | | | | | | |
| 27 | | | | | .47 | | | | | | | |
| 28 | | | | | | | | | | | | |
| 29 | | | .59 | | ---- | | | | | | | |
| 30 | | | .20 | | ---- | | | | | | | |
| 31 | | ---- | | .04 | ---- | | ---- | | ---- | .28 | | ---- |
| SUM | 0.79 | 0.24 | 1.42 | 0.04 | 0.91 | 0.12 | 0.59 | 0.00 | 0.00 | 0.47 | 0.51 | 0.47 |
| ACC | 0.79 | 1.02 | 2.44 | 2.48 | 3.39 | 3.50 | 4.09 | 4.09 | 4.09 | 4.57 | 5.08 | 5.55 |
| MAX | 0.79 | 0.20 | 0.59 | 0.04 | 0.47 | 0.12 | 0.59 | 0.00 | 0.00 | 0.28 | 0.28 | 0.31 |
| NO. | 1 | 2 | 5 | 1 | 3 | 1 | 1 | 0 | 0 | 4 | 4 | 3 |

| | |
|---|---|
| Maximum Daily Rainfall | 0.79 |
| Maximum Monthly Rainfall | 1.42 |
| Total Annual Rainfall | 5.55 |
| Number of Days with Rain | 25 |

Annual Total (mm): 141 Days Down: 2.25

Gage 6685 down from 03/25 03:41 (89) through 03/27 09:41 (89) due to data collision; no rain fell.

**Flood Control District of Maricopa County ALERT System**

Daily Rainfall at Vineyard FRS (gage # 6685) for Water Year 2010

| DAY | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | .04 | | | | | | | | | |
| 7 | | | .35 | | .12 | .55 | | | | | | |
| 8 | | | .16 | | | .20 | | | | | | |
| 9 | | | | | | | | | | .20 | | |
| 10 | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | |
| 13 | | | .04 | .04 | | | | | | | | |
| 14 | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | |
| 17 | | | | | | | | | | | .67 | |
| 18 | | | | | | | | | | | .04 | |
| 19 | | | | 1.02 | | | | | | | | |
| 20 | | | | | .16 | | | | | | | |
| 21 | | | | 1.42 | .20 | | | | | | .71 | |
| 22 | | | .16 | .39 | .35 | | | | | .16 | .04 | |
| 23 | | | | .04 | | .16 | | | | | | |
| 24 | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | |
| 27 | | | | .12 | | | | | | .59 | | |
| 28 | | | | .20 | .67 | | | | | | | |
| 29 | | | | .20 | ---- | | | | | | | |
| 30 | | | | | ---- | | | | | .12 | | |
| 31 | | ---- | | | ---- | | ---- | | ---- | | | ---- |
| SUM | 0.00 | 0.00 | 0.75 | 3.42 | 1.50 | 0.91 | 0.00 | 0.00 | 0.00 | 1.06 | 1.46 | 0.00 |
| ACC | 0.00 | 0.00 | 0.75 | 4.17 | 5.67 | 6.57 | 6.57 | 6.57 | 6.57 | 7.64 | 9.09 | 9.09 |
| MAX | 0.00 | 0.00 | 0.35 | 1.42 | 0.67 | 0.55 | 0.00 | 0.00 | 0.00 | 0.59 | 0.71 | 0.00 |
| NO. | 0 | 0 | 5 | 8 | 5 | 3 | 0 | 0 | 0 | 4 | 4 | 0 |

| | |
|---|---|
| Maximum Daily Rainfall | 1.42 |
| Maximum Monthly Rainfall | 3.42 |
| Total Annual Rainfall | 9.09 |
| Number of Days with Rain | 29 |

## Notes:

Annual rainfall in millimeters: 231

**Flood Control District of Maricopa County ALERT System**
Daily Rainfall at Vineyard FRS (gage # 6685) for Water Year 2009

| DAY | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | |
| 2 | | | | | | | | | | .04 | | |
| 3 | | | | | | | | | | | | .59 |
| 4 | .20 | | | .08 | | | | | | | | |
| 5 | | | | .04 | | | | | | | | .79 |
| 6 | | | | | | | | | | | | ---- |
| 7 | | | | | | | | | | | | ---- |
| 8 | | | | | .43 | | | | | | | |
| 9 | | | | | .28 | | | | | | | |
| 10 | | | | | | | | | | | | |
| 11 | | | | | | | .08 | | | | | |
| 12 | | | | | | | .12 | | | | | |
| 13 | | | | | | | | | | | .08 | |
| 14 | | | | | | | | | | | | |
| 15 | | | .04 | | | | | | | | | |
| 16 | | | .43 | | | | | | | | | |
| 17 | | | .43 | | .12 | | | | | | | |
| 18 | | | .04 | | | | | | | .04 | | |
| 19 | | | | | | | | | | .08 | | |
| 20 | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | |
| 22 | | | .28 | .04 | | | | | | | | |
| 23 | | | .20 | .04 | | | | .04 | | | | |
| 24 | | | | | | | | | | | | |
| 25 | | | .08 | | | | | | | | | |
| 26 | | .35 | .28 | | | | | | | | | |
| 27 | | .31 | | | | | | | | | | |
| 28 | | | | | | | | | | | | |
| 29 | | | | | ---- | | | | | | | |
| 30 | | | | | ---- | | | | | | | |
| 31 | | ---- | | | ---- | | ---- | | ---- | | | ---- |
| SUM | 0.20 | 0.67 | 1.77 | 0.20 | 0.83 | 0.00 | 0.20 | 0.04 | 0.00 | 0.16 | 0.08 | 1.38 |
| ACC | 0.20 | 0.87 | 2.64 | 2.83 | 3.66 | 3.66 | 3.86 | 3.90 | 3.90 | 4.06 | 4.13 | 5.51 |
| MAX | 0.20 | 0.35 | 0.43 | 0.08 | 0.43 | 0.00 | 0.12 | 0.04 | 0.00 | 0.08 | 0.08 | 0.79 |
| NO. | 1 | 2 | 8 | 4 | 3 | 0 | 2 | 1 | 0 | 3 | 1 | 2 |

| | |
|---|---|
| Maximum Daily Rainfall | 0.79 |
| Maximum Monthly Rainfall | 1.77 |
| **Estimated** Annual Rainfall | 5.51 |
| Number of Days with Rain | 27 |

## Notes:

Estimated annual rainfall in millimeters: 140 Total down-time: 2.98 days
Gage 6685 down from 9/05 08:52 (140) through 9/08 08:25 (?) for unknown reason; rainfall amount for 9/05 was estimated from radar and nearby gages.

**Flood Control District of Maricopa County ALERT System**
Daily Rainfall at Vineyard FRS (gage # 6685) for Water Year 2008

| DAY | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | .51 | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | .75 | | | | | | | |
| 5 | | | | .04 | | | | | | | | |
| 6 | | | | .12 | | | | | | | | |
| 7 | | | .31 | .51 | | | | | | | | |
| 8 | | | .83 | | | | | | | | | |
| 9 | | | | | | | | | | | | |
| 10 | | | .59 | | | | | | | .43 | | .51 |
| 11 | | | .16 | | | | ---- | | | .31 | | .04 |
| 12 | | | .04 | | | ---- | ---- | | | | | |
| 13 | | | | | | ---- | ---- | | | | | |
| 14 | | | | | | ---- | | | | | | |
| 15 | | .04 | | | .35 | | | | | | | |
| 16 | | .04 | | | | | | | | | | |
| 17 | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | |
| 20 | | | | | .08 | | | | | | | |
| 21 | | | | | .04 | | | | | | | |
| 22 | | | | | .04 | | | 1.02 | | | | |
| 23 | | | | | | | | .16 | | | .08 | |
| 24 | | | | | | | | .08 | | | | |
| 25 | | | | | | | | | .04 | | .51 | |
| 26 | | | | | | | | | | | .12 | |
| 27 | | | | 1.14 | | | | | | | .59 | |
| 28 | | | | .04 | | | | | | | .43 | |
| 29 | | | | | | | | | | | .39 | |
| 30 | | 1.73 | | | ---- | | | | | | | |
| 31 | | ---- | | | ---- | | ---- | | ---- | | | ---- |
| SUM | 0.00 | 1.81 | 2.44 | 1.85 | 1.26 | 0.00 | 0.00 | 1.26 | 0.04 | 0.75 | 2.13 | 0.55 |
| ACC | 0.00 | 1.81 | 4.25 | 6.10 | 7.36 | 7.36 | 7.36 | 8.62 | 8.66 | 9.41 | 11.54 | 12.09 |
| MAX | 0.00 | 1.73 | 0.83 | 1.14 | 0.75 | 0.00 | 0.00 | 1.02 | 0.04 | 0.43 | 0.59 | 0.51 |
| NO. | 0 | 3 | 6 | 5 | 5 | 0 | 0 | 3 | 1 | 2 | 6 | 2 |

| | |
|---|---|
| Maximum Daily Rainfall | 1.73 |
| Maximum Monthly Rainfall | 2.44 |
| Total Annual Rainfall | 12.09 |
| Number of Days with Rain | 33 |

## Notes:

Annual rainfall in millimeters: 307 Total down-time: 7.00 days
Gage 6685 down from 3/11 22:04 (187) through 3/15 04:04 (187) due to data collision; no rain fell.
Gage 6685 down from 4/10 08:00 (187) through 4/14 02:00 (187) due to data collision; no rain fell.

**Flood Control District of Maricopa County ALERT System**

Daily Rainfall at Vineyard FRS (gage # 6685) for Water Year 2007

| DAY | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | .67 |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | .08 | | | | | | | | |
| 6 | .16 | | | | | | | | | | | |
| 7 | | | | | | | | | | | | |
| 8 | .04 | | | | | | | | | | | |
| 9 | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | | .12 | | | | | |
| 13 | | | | | .04 | | .08 | | | | | |
| 14 | .04 | | | | | | | | | | | |
| 15 | | | | | | | | | | | | |
| 16 | | | | | | | | | | | .20 | |
| 17 | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | |
| 19 | | | | .20 | .28 | | | | | | | |
| 20 | | | | | .04 | | | | | | | |
| 21 | | | | .16 | | | .08 | | | .35 | | |
| 22 | | | .12 | | | .63 | | | | | | |
| 23 | | | | | | .04 | | | | | | |
| 24 | | | | | | .12 | | | | .08 | | |
| 25 | | | | | | | | | | | .12 | |
| 26 | | | | | | | | | | | | |
| 27 | | | .04 | | | | | | | | | |
| 28 | | | .04 | | | | | | | .28 | | |
| 29 | | | | | ---- | | | | | .04 | | |
| 30 | | | | .04 | ---- | | | | | .12 | .08 | |
| 31 | | ---- | | .39 | ---- | | ---- | | ---- | .08 | .12 | ---- |
| SUM | 0.24 | 0.00 | 0.20 | 0.87 | 0.35 | 0.79 | 0.28 | 0.00 | 0.00 | 0.94 | 0.51 | 0.67 |
| ACC | 0.24 | 0.24 | 0.43 | 1.30 | 1.65 | 2.44 | 2.72 | 2.72 | 2.72 | 3.66 | 4.17 | 4.84 |
| MAX | 0.16 | 0.00 | 0.12 | 0.39 | 0.28 | 0.63 | 0.12 | 0.00 | 0.00 | 0.35 | 0.20 | 0.67 |
| NO. | 3 | 0 | 3 | 5 | 3 | 3 | 3 | 0 | 0 | 6 | 4 | 1 |

| | |
|---|---|
| Maximum Daily Rainfall | 0.67 |
| Maximum Monthly Rainfall | 0.94 |
| Total Annual Rainfall | 4.84 |
| Number of Days with Rain | 31 |

**Notes:**

Annual rainfall in millimeters: 123

Total down-time: 0.00 days

**Flood Control District of Maricopa County ALERT System**
Daily Rainfall at Vineyard FRS (gage # 6685) for Water Year 2006

| DAY | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | .20 |
| 3 | | | | | | | | | | | | .08 |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | .20 | | |
| 6 | | | | | | | | | | | | |
| 7 | | | | | | | | | .08 | | | .39 |
| 8 | | | | | | | | | | | | |
| 9 | | | | | | | | | | | .04 | .35 |
| 10 | | | | | | | | | | | | |
| 11 | ---- | | | | | 2.32 | | | | | | |
| 12 | | | | | | .12 | | | | | .79 | |
| 13 | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | |
| 15 | | | | | | | | | | .20 | | |
| 16 | | | | | | | | | | | | |
| 17 | .12 | | | | | | | | | | | |
| 18 | .04 | | | | | | | | | | | |
| 19 | | | | | | .16 | | | | | | |
| 20 | | | | | | | | | | | | |
| 21 | | | | | | .04 | | | | | .04 | |
| 22 | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | |
| 24 | | | | | | | | | | | .28 | |
| 25 | | | | | | | | | | .39 | | |
| 26 | | | | | | | | | | .04 | | |
| 27 | | | | | | | | | | .67 | | |
| 28 | | | | | | | | | | | | |
| 29 | | | | | ---- | | | | | | | |
| 30 | | | | | ---- | | | | | .20 | | |
| 31 | | ---- | | | ---- | | ---- | | ---- | | | ---- |
| SUM | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 2.64 | 0.00 | 0.00 | 0.08 | 1.69 | 1.14 | 1.02 |
| ACC | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 2.80 | 2.80 | 2.80 | 2.87 | 4.57 | 5.71 | 6.73 |
| MAX | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 2.32 | 0.00 | 0.00 | 0.08 | 0.67 | 0.79 | 0.39 |
| NO. | 2 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 1 | 6 | 4 | 4 |

| | |
|---|---|
| Maximum Daily Rainfall | 2.32 |
| Maximum Monthly Rainfall | 2.64 |
| Total Annual Rainfall | 6.73 |
| Number of Days with Rain | 21 |

## Notes:

Annual rainfall in millimeters: 171 Total down-time: 1.45 days
Gage 6685 down from 10/10 22:49 (0) through 10/12 09:36 (0) due to battery failure; no rain fell.

**Flood Control District of Maricopa County ALERT System**

Daily Rainfall at Vineyard FRS (gage # 6685) for Water Year 2005

| DAY | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | .28 |
| 2 | | | | | | | | | | | .08 | |
| 3 | | | | .87 | | | | | | | .08 | |
| 4 | | | .47 | 1.06 | | | | | | | | |
| 5 | | | .12 | | | .24 | | | | | | |
| 6 | | | .16 | | | .43 | | | | | | |
| 7 | | | | | | .04 | | | | | | |
| 8 | | | | | | | | | | | .04 | |
| 9 | | | | | | | | | | | .71 | |
| 10 | | | | | .16 | | | | | | | |
| 11 | | | | | 1.18 | | | | | | | |
| 12 | | | | | 1.30 | | | | | | .47 | |
| 13 | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | |
| 15 | | .04 | | | | | | | | | | |
| 16 | | | | | | | | | | | | |
| 17 | | | | | .04 | | | | | | | |
| 18 | | | | | .12 | | | | | | | |
| 19 | | | | | 1.14 | | | | | | | |
| 20 | | | | | | | | | | | | |
| 21 | .20 | .04 | | | .08 | | | | | | | |
| 22 | .04 | .28 | | | .16 | | | | | | | |
| 23 | | .04 | | | | | .16 | | | .04 | | |
| 24 | | | | .04 | .04 | | .08 | | | | | |
| 25 | | | | | | | | | | | | |
| 26 | | | | .51 | | | | | | | | |
| 27 | | | | .04 | | | | | | | | |
| 28 | .47 | | | | | | | | | | | |
| 29 | | | .59 | .04 | ----- | | | | | | | |
| 30 | | | .04 | | ----- | | | | | | | |
| 31 | | ----- | | | ----- | | ----- | | ----- | .08 | | ----- |
| SUM | 0.71 | 0.39 | 1.38 | 2.56 | 4.21 | 0.71 | 0.24 | 0.00 | 0.00 | 0.12 | 1.38 | 0.28 |
| ACC | 0.71 | 1.10 | 2.48 | 5.04 | 9.25 | 9.96 | 10.20 | 10.20 | 10.20 | 10.31 | 11.69 | 11.97 |
| MAX | 0.47 | 0.28 | 0.59 | 1.06 | 1.30 | 0.43 | 0.16 | 0.00 | 0.00 | 0.08 | 0.71 | 0.28 |
| NO. | 3 | 4 | 5 | 6 | 9 | 3 | 2 | 0 | 0 | 2 | 5 | 1 |

| | |
|---|---|
| Maximum Daily Rainfall | 1.30 |
| Maximum Monthly Rainfall | 4.21 |
| Total Annual Rainfall | 11.97 |
| Number of Days with Rain | 40 |

**Notes:**

Annual rainfall in millimeters: 304

Total down-time: 0.00 days

**Flood Control District of Maricopa County ALERT System**

Daily Rainfall at Vineyard FRS (gage # 6685) for Water Year 2004

| DAY | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | |
| 2 | | | | | | | 1.61 | | | | | |
| 3 | | | | | .16 | | | | | | | .04 |
| 4 | | | | | | .79 | | | | | | |
| 5 | | | | | | .39 | | | | | | |
| 6 | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | |
| 10 | | | | | | | .04 | | | | | |
| 11 | | | .20 | | | | | | | | | |
| 12 | | .59 | | | | | | | | | | |
| 13 | | | | | | .04 | | | | .04 | | |
| 14 | | | | | | | | | | .04 | | |
| 15 | | | | | | | | | | | | |
| 16 | | | | | | | | | | .20 | 1.30 | |
| 17 | | | | | | | | | | | | |
| 18 | | | | | | | | | | | .12 | .12 |
| 19 | | | | | | | | | | | .04 | .20 |
| 20 | | | | | | | | | | | | |
| 21 | | | | .16 | | | | | | | | |
| 22 | | | | .35 | | | | | | | | |
| 23 | | | | .04 | .55 | | | | | | | |
| 24 | | | | .04 | | | | | | .39 | | |
| 25 | | | | .28 | | | | | | .91 | | |
| 26 | | | .04 | | | | | | | | | |
| 27 | | | | | .04 | | | | | | | |
| 28 | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | |
| 30 | | | | | ----- | | | | | | | |
| 31 | ----- | | | | ----- | | ----- | | ----- | | | ----- |
| SUM | 0.00 | 0.59 | 0.24 | 0.87 | 0.75 | 1.22 | 1.65 | 0.00 | 0.00 | 1.57 | 1.46 | 0.35 |
| ACC | 0.00 | 0.59 | 0.83 | 1.69 | 2.44 | 3.66 | 5.31 | 5.31 | 5.31 | 6.89 | 8.35 | 8.70 |
| MAX | 0.00 | 0.59 | 0.20 | 0.35 | 0.55 | 0.79 | 1.61 | 0.00 | 0.00 | 0.91 | 1.30 | 0.20 |
| NO. | 0 | 1 | 2 | 5 | 3 | 3 | 2 | 0 | 0 | 5 | 3 | 3 |

| | |
|---|---|
| Maximum Daily Rainfall | 1.61 |
| Maximum Monthly Rainfall | 1.65 |
| Total Annual Rainfall | 8.70 |
| Number of Days with Rain | 27 |

**Notes:**

Annual rainfall in millimeters: 221

Total down-time: 0.00 days

**Flood Control District of Maricopa County ALERT System**
Daily Rainfall at Vineyard FRS (gage # 6685) for Water Year 2003

| DAY | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | .08 | |
| 2 | | | | | | .04 | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | .08 |
| 7 | | | | | | | | | | | | .08 |
| 8 | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | .08 |
| 11 | | | | | | | | | | | | |
| 12 | | | | | .04 | | | | | | | |
| 13 | | | | | .63 | | | | | | .04 | |
| 14 | | | | | .16 | | | | | | .28 | |
| 15 | | | | | .08 | | .12 | | | | | |
| 16 | | | | | | .55 | | | | | | |
| 17 | .04 | | .04 | | | | | | | | | |
| 18 | | | | | | | | | | | | |
| 19 | | | | | | | | | | | .04 | |
| 20 | | | | | | | | | | | | |
| 21 | | | | | | | | | | .04 | | |
| 22 | | | | | | | | | | | | |
| 23 | | | .12 | | | | | | | | | |
| 24 | | | .04 | | | | | | | | | .04 |
| 25 | | | | | .28 | | | | | | | |
| 26 | | | | | .39 | | | | | | | |
| 27 | | | | | .08 | | | | | | | |
| 28 | | | | | .04 | | | | | | | |
| 29 | | .08 | | | ----- | | | | | .04 | | |
| 30 | | .08 | | | ----- | | | | | | | |
| 31 | ----- | | | | ----- | | ----- | | ----- | | | ----- |
| SUM | 0.04 | 0.16 | 0.20 | 0.00 | 1.69 | 0.59 | 0.12 | 0.00 | 0.00 | 0.08 | 0.43 | 0.28 |
| ACC | 0.04 | 0.20 | 0.39 | 0.39 | 2.09 | 2.68 | 2.80 | 2.80 | 2.80 | 2.87 | 3.31 | 3.58 |
| MAX | 0.04 | 0.08 | 0.12 | 0.00 | 0.63 | 0.55 | 0.12 | 0.00 | 0.00 | 0.04 | 0.28 | 0.08 |
| NO. | 1 | 2 | 3 | 0 | 8 | 2 | 1 | 0 | 0 | 2 | 4 | 4 |

| | |
|---|---|
| Maximum Daily Rainfall | 0.63 |
| Maximum Monthly Rainfall | 1.69 |
| **Estimated** Annual Rainfall | 3.58 |
| Number of Days with Rain | 27 |

## Notes:

Estimated annual rainfall in millimeters: 122 Total down-time: 0.00 days
Gage 6685 – plugged tipping-bucket found on Feb. 14th; storm total estimated from nearby stations.

**Flood Control District of Maricopa County ALERT System**
Daily Rainfall at Vineyard FRS (gage # 6685) for Water Year 2002

| DAY | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | .04 | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | .98 | | | | | | | | | |
| 5 | | | | | | | | | | | .04 | |
| 6 | .16 | | | | | | | | | | | .24 |
| 7 | .47 | | | | | | .08 | | | | | .04 |
| 8 | | | | | | .08 | | | | | | |
| 9 | | | | | | | | | | .16 | | |
| 10 | | | | | | | | | | | | .08 |
| 11 | | | .20 | | | | | | | | | .04 |
| 12 | | | .08 | | | | | | | .04 | | |
| 13 | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | |
| 16 | | | | | | | | | | .08 | | |
| 17 | | | | | | | | | | .24 | | |
| 18 | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | |
| 23 | | | | | | | | | | .24 | | |
| 24 | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | |
| 28 | | | | | | | | | | | .24 | |
| 29 | | | | | ----- | | | | | | | |
| 30 | | | | .08 | ----- | | | | | | | |
| 31 | | ----- | | | ----- | | ----- | | ----- | | | ----- |
| SUM | 0.63 | 0.00 | 1.26 | 0.08 | 0.00 | 0.08 | 0.08 | 0.00 | 0.00 | 0.75 | 0.31 | 0.39 |
| ACC | 0.63 | 0.63 | 1.89 | 1.97 | 1.97 | 2.05 | 2.13 | 2.13 | 2.13 | 2.87 | 3.19 | 3.58 |
| MAX | 0.47 | 0.00 | 0.98 | 0.08 | 0.00 | 0.08 | 0.08 | 0.00 | 0.00 | 0.24 | 0.24 | 0.24 |
| NO. | 2 | 0 | 3 | 1 | 0 | 1 | 1 | 0 | 0 | 5 | 3 | 4 |

| | |
|---|---|
| Maximum Daily Rainfall | 0.98 |
| Maximum Monthly Rainfall | 1.26 |
| Total Annual Rainfall | 3.58 |
| Number of Days with Rain | 20 |

**Notes:**

Total annual rainfall in millimeters: 91

Total down-time: 0.00 days

# Flood Control District of Maricopa County ALERT System

Daily Rainfall at Vineyard FRS (gage # 6685) for Water Year 2001

| DAY | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | .04 | | | | | | | | | .08 | |
| 5 | | | | | | | .31 | | | | | |
| 6 | | .75 | | | | | .47 | | | | | |
| 7 | | | | | | .87 | | | | | | |
| 8 | | | | .24 | .04 | | | | | | | |
| 9 | | | | .63 | | | | | | | .31 | |
| 10 | .55 | .12 | | | | .08 | .12 | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | .04 | | | .35 | | | | | | | | |
| 13 | | | | .04 | | | ---- | | | | | |
| 14 | | | | | .08 | | ---- | | | | | |
| 15 | | | | | | | ---- | | | | | |
| 16 | | | | .47 | | | ---- | | | | .24 | |
| 17 | | | | | | | ---- | | | | .04 | |
| 18 | | ---- | | | | | | | | | | |
| 19 | .08 | ---- | | | | | | .04 | | | | |
| 20 | | ---- | | | | | | | | | | |
| 21 | .35 | | | | | | .47 | | | | | ---- |
| 22 | .31 | | | | | | | | | | | ---- |
| 23 | .16 | | | | | | | | | | | ---- |
| 24 | | | | | | | | | | | | |
| 25 | | | | | .04 | | | | | | | |
| 26 | | | | | .04 | | | | | | | |
| 27 | 1.18 | | | .71 | .16 | | | | | | | |
| 28 | .12 | | | | .04 | | | | | | | |
| 29 | | | | | ---- | | | | | .87 | | |
| 30 | .24 | | | | ---- | | | | | .71 | | |
| 31 | | ---- | | | ---- | | ---- | | ---- | | | ---- |
| SUM | 3.03 | 0.91 | 0.00 | 2.44 | 0.39 | 0.94 | 1.38 | 0.04 | 0.00 | 1.57 | 0.67 | 0.00 |
| ACC | 3.03 | 3.94 | 3.94 | 6.38 | 6.77 | 7.72 | 9.09 | 9.13 | 9.13 | 10.71 | 11.38 | 11.38 |
| MAX | 1.18 | 0.75 | 0.00 | 0.71 | 0.16 | 0.87 | 0.47 | 0.04 | 0.00 | 0.87 | 0.31 | 0.00 |
| NO. | 9 | 3 | 0 | 6 | 6 | 2 | 4 | 1 | 0 | 2 | 4 | 0 |

| | |
|---|---|
| Maximum Daily Rainfall | 1.18 |
| Maximum Monthly Rainfall | 3.03 |
| Total Annual Rainfall | 11.38 |
| Number of Days with Rain | 37 |

## Notes:

Annual rainfall in millimeters: 289 Total down-time: 13.53 days

Gage 6685 down from 11/17 20:18 (100) through 11/21 00:56 (100) fro unknown reason; no rain fell.
Gage 6685 down from 4/11 23:03 (219) through 4/18 11:04 (219) due to battery failure; no rain fell.
Gage 6685 down from 9/20 14:10 (289) through 9/24 10:26 (289) for unknown reason; no rain fell.

## Flood Control District of Maricopa County ALERT System

Daily Rainfall at Vineyard FRS (gage # 6685) for Water Year 2000

| DAY | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | |
| 2 | | | | .04 | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | .24 | | | | | | |
| 6 | | | | | | 1.57 | | | | | | |
| 7 | | | | | | .35 | | | | | | |
| 8 | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | |
| 11 | | | | | | .16 | | | | | | |
| 12 | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | |
| 17 | | | | | | | | | | | .04 | |
| 18 | | | | | | | | | | | .08 | |
| 19 | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | |
| 23 | | | | | | | | | .04 | | | |
| 24 | | | | | | | | | | | .16 | |
| 25 | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | |
| 28 | | | | | | .12 | | | | | .16 | |
| 29 | | | | | | | | | | | .08 | |
| 30 | | | | | ---- | | | | | | .98 | |
| 31 | | ---- | | | ---- | | ---- | | ---- | | | ---- |
| SUM | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 2.44 | 0.00 | 0.00 | 0.04 | 0.00 | 1.50 | 0.00 |
| ACC | 0.00 | 0.00 | 0.00 | 0.04 | 0.04 | 2.48 | 2.48 | 2.48 | 2.52 | 2.52 | 4.06 | 4.06 |
| MAX | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 1.57 | 0.00 | 0.00 | 0.04 | 0.00 | 0.98 | 0.00 |
| NO. | 0 | 0 | 0 | 1 | 0 | 5 | 0 | 0 | 1 | 0 | 6 | 0 |

| | |
|---|---|
| Maximum Daily Rainfall | 1.57 |
| Maximum Monthly Rainfall | 2.44 |
| Total Annual Rainfall | 4.06 |
| Number of Days with Rain | 13 |

**Notes:**

Annual rainfall in millimeters: 103

Total down-time: 0 days

**Flood Control District of Maricopa County ALERT System**

Daily Rainfall at Vineyard FRS (gage # 6685) for Water Year 1999

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | .55 | | | | | |
| 2 | | | | | | | .51 | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | .12 | | .28 | | | | | |
| 5 | | | .04 | | .04 | | | | | | | |
| 6 | | | .04 | | | | .12 | | | | | |
| 7 | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | |
| 9 | | .04 | | | | | | | | | | |
| 10 | | | | | | | | | | | .20 | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | |
| 14 | | | | | | | | | | .12 | | .20 |
| 15 | | | | | | | | | | .12 | | .31 |
| 16 | | | | | | .04 | | | | | | |
| 17 | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | |
| 19 | | | | | | | | | | | .04 | .08 |
| 20 | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | |
| 22 | | | | | | | | | | .08 | | |
| 23 | | | | | | | | | | 1.85 | | |
| 24 | | | | | | | | | | | | |
| 25 | | | | | | | | | | | .12 | |
| 26 | | | | | | | | | | | | |
| 27 | | | | | | | | | | | 1.22 | |
| 28 | | .28 | | | | | | | | | .16 | |
| 29 | | | | | ---- | | | | | | | |
| 30 | | | | | ---- | | | | | | | |
| 31 | | ---- | | | ---- | | ---- | | ---- | | .35 | ---- |
| SUM | 0.00 | 0.31 | 0.08 | 0.00 | 0.16 | 0.04 | 1.46 | 0.00 | 0.00 | 2.17 | 2.09 | 0.59 |
| ACC | 0.00 | 0.31 | 0.39 | 0.39 | 0.55 | 0.59 | 2.05 | 2.05 | 2.05 | 4.21 | 6.30 | 6.89 |
| MAX | 0.00 | 0.28 | 0.04 | 0.00 | 0.12 | 0.04 | 0.55 | 0.00 | 0.00 | 1.85 | 1.22 | 0.31 |
| NO. | 0 | 2 | 2 | 0 | 2 | 1 | 4 | 0 | 0 | 4 | 6 | 3 |

| | |
|---|---|
| Maximum Daily Rainfall | 1.85 |
| Maximum Monthly Rainfall | 2.17 |
| Total Annual Rainfall | 6.89 |
| Number of Days with Rain | 24 |

**Notes:**

Annual rainfall in millimeters: 175

Total down-time: 0 days

**Flood Control District of Maricopa County ALERT System**

Daily Rainfall at Vineyard FRS (gage # 6685) for Water Year 1998

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | .31 | | | | .16 | | | | .04 | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | .04 | .55 | | | | | | | .16 |
| 5 | | | | | | | | | | | | .24 |
| 6 | | | .04 | | | .08 | | | | | | .08 |
| 7 | | | .47 | | | | | | | | | |
| 8 | | | .35 | | .39 | | | | | | | |
| 9 | | | | | .43 | | | | | | | .04 |
| 10 | | | | .24 | | | | | | | | |
| 11 | | .08 | | .04 | | | | | | | | |
| 12 | | | | | | | | | | | | |
| 13 | | .04 | | | | | | | | | .08 | |
| 14 | | .04 | | | | .08 | | | | | | |
| 15 | | | | | .55 | .04 | | | | | .55 | |
| 16 | | | | | | | | | | .08 | | |
| 17 | | | | | .20 | .04 | | | | .24 | | |
| 18 | | | | | .12 | | | | | | | |
| 19 | | | | | | | | | | | | |
| 20 | | | | | .31 | | | | | | | |
| 21 | .20 | | .08 | | | | | | | | .43 | |
| 22 | .12 | | .43 | | | | | | | .39 | | |
| 23 | | | | | | | | | | | | |
| 24 | | | | | .47 | | | | | | .08 | |
| 25 | | | | | | | | | | | | |
| 26 | | | | | | .67 | | | | | | |
| 27 | | | | | | | | | | | | |
| 28 | | | | | | .35 | | | | | | |
| 29 | | | | | ---- | .08 | | | | | | |
| 30 | | | | | ---- | .39 | | | | | | |
| 31 | | ---- | | | ---- | | ---- | | ---- | | | ---- |
| SUM | 0.31 | 0.16 | 1.69 | 0.31 | 3.03 | 1.73 | 0.16 | 0.00 | 0.00 | 0.71 | 1.18 | 0.51 |
| ACC | 0.31 | 0.47 | 2.17 | 2.48 | 5.55 | 7.28 | 7.44 | 7.44 | 7.44 | 8.15 | 9.33 | 9.84 |
| MAX | 0.20 | 0.08 | 0.47 | 0.24 | 0.55 | 0.67 | 0.16 | 0.00 | 0.00 | 0.39 | 0.55 | 0.24 |
| NO. | 2 | 3 | 6 | 3 | 8 | 8 | 1 | 0 | 0 | 3 | 5 | 4 |

| | |
|---|---|
| Maximum Daily Rainfall | 0.67 |
| Maximum Monthly Rainfall | 3.07 |
| Total Annual Rainfall | 9.84 |
| Number of Days with Rain | 43 |

**Notes:**

Annual rainfall in millimeters: 250

Total down-time: 0 days

**Flood Control District of Maricopa County ALERT System**

Daily Rainfall at Vineyard FRS (gage # 6685) for Water Year 1997

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | |
| 2 | | | | | | | | | | | .20 | |
| 3 | | | | | | | .16 | | | | .08 | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | .04 |
| 6 | | | | | | | | | | | | .04 |
| 7 | | | | | | | | | | | | |
| 8 | | | | | | | | | | | .08 | |
| 9 | | | | | | | | | | | | |
| 10 | | | | | | | | | | | .04 | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | |
| 13 | | | | 1.14 | | | | | | | | |
| 14 | | | | .16 | | | | | | | | |
| 15 | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | |
| 17 | | | | | | | .04 | | | | | |
| 18 | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | |
| 20 | | | | | | | | .24 | | | | |
| 21 | | | | | | | | | | .04 | .04 | |
| 22 | | .24 | | | | | | | | | | |
| 23 | | .04 | | | | | | | | | | |
| 24 | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | |
| 26 | | | | .12 | | | | | | | | |
| 27 | | | | | .16 | | | | | | | |
| 28 | | | | | .43 | | | | | | | |
| 29 | | .04 | | | | | | | | | | |
| 30 | | | | | | | | | | | .28 | |
| 31 | | | | | | | | | | | | |
| SUM | 0.00 | 0.31 | 0.00 | 1.42 | 0.59 | 0.00 | 0.20 | 0.24 | 0.00 | 0.04 | 0.71 | 0.08 |
| ACC | 0.00 | 0.31 | 0.31 | 1.73 | 2.32 | 2.32 | 2.52 | 2.76 | 2.76 | 2.80 | 3.50 | 3.58 |
| MAX | 0.00 | 0.24 | 0.00 | 1.14 | 0.43 | 0.00 | 0.16 | 0.24 | 0.00 | 0.04 | 0.28 | 0.04 |
| NO. | 0 | 3 | 0 | 3 | 2 | 0 | 2 | 1 | 0 | 1 | 6 | 2 |

| | |
|---|---|
| Maximum Daily Rainfall | 1.14 |
| Maximum Monthly Rainfall | 1.42 |
| Total Annual Rainfall | 3.58 |
| Number of Days with Rain | 20 |

**Notes:**

Annual rainfall in millimeters: 91

Total down-time: 0 days

**Flood Control District of Maricopa County ALERT System**

Daily Rainfall at Vineyard FRS (gage # 6685) for Water Year 1996

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | .31 | | | 1.26 | | | | | | | |
| 2 | | .16 | | | | | | | | | | 1.85 |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | .20 | | | | | | | | | | .31 |
| 6 | | .08 | | | | | | | | | | |
| 7 | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | |
| 9 | | | | | | | | | | .75 | | |
| 10 | | | | | | | | | | | | .12 |
| 11 | | | | | | | | | | .04 | .20 | .24 |
| 12 | | | | | | | | | | | | .31 |
| 13 | | | | | .04 | .16 | | | | | | .39 |
| 14 | | | | | | .08 | | | | 1.18 | | |
| 15 | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | .04 |
| 25 | | | | | .12 | | | | | .12 | | |
| 26 | | | | | .20 | | | | | | | |
| 27 | | | | | | | | | | | .24 | |
| 28 | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | |
| 31 | | | | .08 | | | | | | | | |
| SUM | 0.00 | 0.75 | 0.00 | 0.08 | 1.61 | 0.24 | 0.00 | 0.00 | 0.00 | 2.09 | 0.43 | 3.27 |
| ACC | 0.00 | 0.75 | 0.75 | 0.83 | 2.44 | 2.68 | 2.68 | 2.68 | 2.68 | 4.76 | 5.20 | 8.46 |
| MAX | 0.00 | 0.31 | 0.00 | 0.08 | 1.26 | 0.16 | 0.00 | 0.00 | 0.00 | 1.18 | 0.24 | 1.85 |
| NO. | 0 | 4 | 0 | 1 | 4 | 2 | 0 | 0 | 0 | 4 | 2 | 7 |

| | |
|---|---|
| Maximum Daily Rainfall | 1.85 |
| Maximum Monthly Rainfall | 3.27 |
| Total Annual Rainfall | 8.46 |
| Number of Days with Rain | 24 |

**Notes:**

Annual Rainfall in mm: 215

Gage down from 6/23 22:05 (68) through 6/26 10:05 (68) due to radio failure; no rain fell.

Gage down from 7/03 10:05 (68) through 7/08 10:05 (68) for unknown reason; no rain fell.

Gage down from 9/13 16:41 (214) through 9/17 10:04 (214) for unknown reason, assume no rain fell.

**Flood Control District of Maricopa County ALERT System**

Daily Rainfall at Vineyard FRS (gage # 6685) for Water Year 1995

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | 0.12 | | | | | | | | | | |
| 4 | | | 0.04 | 0.94 | | | | | | | | |
| 5 | | | 0.67 | 0.98 | | 0.24 | | | | | | |
| 6 | | | 0.35 | | | 0.55 | | | | | | |
| 7 | | | | | | | | 0.12 | | | | 0.12 |
| 8 | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | |
| 11 | | 0.08 | | | | 0.08 | | | | 0.12 | | |
| 12 | | 0.63 | | 0.16 | | 0.16 | | | | | | |
| 13 | | | | | 0.12 | | | | | | | |
| 14 | | | | | | | | | | | 0.12 | |
| 15 | 0.91 | | | | 0.55 | | | | | | | |
| 16 | 0.04 | | | | | | | | | | 0.43 | |
| 17 | | | | 0.12 | | | | | | | | |
| 18 | | | | | | | 0.04 | | | | | |
| 19 | | | | | | | 0.12 | | | | 0.83 | |
| 20 | | | | | | | | | | | 0.20 | |
| 21 | | | | | 0.08 | | | | | | | |
| 22 | | | | | 0.04 | | | | | | | |
| 23 | | | 0.24 | | | | | | | | | |
| 24 | | | | | | | | | | | | |
| 25 | | | 0.47 | 0.16 | | | | | | | | |
| 26 | | | 0.39 | | | | | | | | | |
| 27 | | | | | | | | | | | | 0.24 |
| 28 | | | | | | | | | | | | 0.47 |
| 29 | | | | | | | | | | | | |
| 30 | | | 0.08 | | | | | | | | | |
| 31 | | | | | | | | | | | | |
| SUM | 0.94 | 0.83 | 2.24 | 2.36 | 0.79 | 1.02 | 0.16 | 0.12 | 0.00 | 0.12 | 1.57 | 0.83 |
| ACC | 0.94 | 1.77 | 4.02 | 6.38 | 7.17 | 8.19 | 8.35 | 8.46 | 8.46 | 8.58 | 10.16 | 10.98 |
| MAX | 0.91 | 0.63 | 0.67 | 0.98 | 0.55 | 0.55 | 0.12 | 0.12 | 0.00 | 0.12 | 0.83 | 0.47 |
| NO. | 2 | 3 | 7 | 5 | 4 | 4 | 2 | 1 | 0 | 1 | 4 | 3 |

| | |
|---|---|
| Maximum Daily Rainfall | 0.98 |
| Maximum Monthly Rainfall | 2.36 |
| Total Annual Rainfall | 10.98 |
| Number of Days with Rain | 36 |

**Notes:**

Annual rainfall in mm: 279

## Flood Control District of Maricopa County ALERT System

Daily Rainfall at Vineyard FRS (gage # 6685) for Water Year 1994

| DAY | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | 0.04 |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | 0.47 | |
| 6 | 0.31 | | | | | | | | | | | |
| 7 | | | | | 0.51 | 0.24 | | | | | | |
| 8 | | | | | 0.67 | | | | | | | |
| 9 | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | 0.04 |
| 11 | | 0.24 | | | | | | | | | 0.12 | |
| 12 | | 0.59 | | | | | | | | | | |
| 13 | | 0.47 | | | | | | | | | | |
| 14 | | 0.94 | | | | | | | | | | |
| 15 | | 0.94 | | | | | | | | | | |
| 16 | 0.04 | 0.12 | | | | | | | | | | |
| 17 | | | | | | | | | | 0.43 | | |
| 18 | | | | | 0.04 | | | | | 0.04 | | |
| 19 | | | | | | 0.24 | | | | 0.04 | | |
| 20 | | | | | 0.04 | 0.12 | | | | | | |
| 21 | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | |
| 24 | | | | | | | 0.12 | 0.24 | | | | |
| 25 | | | | 0.08 | | 0.35 | | 0.08 | | | | |
| 26 | | | | | | | 0.28 | | | | 0.04 | |
| 27 | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | |
| SUM | 0.35 | 3.31 | 0.00 | 0.08 | 1.26 | 0.94 | 0.39 | 0.31 | 0.00 | 0.51 | 0.63 | 0.08 |
| ACC | 0.35 | 3.66 | 3.66 | 3.74 | 5.00 | 5.94 | 6.34 | 6.65 | 6.65 | 7.17 | 7.80 | 7.87 |
| MAX | 0.31 | 0.94 | 0.00 | 0.08 | 0.67 | 0.35 | 0.28 | 0.24 | 0.00 | 0.43 | 0.47 | 0.04 |
| NO. | 2 | 6 | 0 | 1 | 4 | 4 | 2 | 2 | 0 | 3 | 3 | 2 |

| | |
|---|---|
| Maximum Daily Rainfall | 0.94 |
| Maximum Monthly Rainfall | 3.31 |
| Total Annual Rainfall | 7.87 |
| Number of Days with Rain | 29 |

**Notes:**

Annual rainfall in mm: 200

**Flood Control District of Maricopa County ALERT System**

Daily Rainfall at Vineyard FRS (gage # 6685) for Water Year 1993

| DAY | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | .12 | .20 | | | | | | | .08 | |
| 4 | | | 1.14 | | | | | | | | | |
| 5 | | | .08 | | | | | | | | | |
| 6 | | | | .35 | | | | | | | | |
| 7 | | | | .71 | | | | | | | | |
| 8 | | | .79 | .55 | .20 | | | | | | | |
| 9 | | | | .08 | .20 | | | | | | | |
| 10 | | | | .79 | .16 | | | | | | | |
| 11 | | | | .67 | | | | | | .08 | | |
| 12 | | | | .20 | | | | | | | | |
| 13 | | | | .12 | | | | | | | | |
| 14 | | | | .39 | .20 | | | | | | | |
| 15 | | | | .20 | .12 | | | .08 | | | | |
| 16 | | | | .20 | | | | | | | | |
| 17 | | | | .12 | | | | | | | | |
| 18 | | | .08 | .59 | | | | | | | | |
| 19 | | | | .04 | .20 | | | | | | | |
| 20 | | | | | | | | | | | | |
| 21 | | | .04 | | .04 | | | | | | | |
| 22 | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | |
| 24 | | | | | | | | | | | .51 | |
| 25 | | | | | | | | | | | | |
| 26 | | | | | | .67 | | | | | | |
| 27 | | | .08 | | | .55 | | | | | .87 | |
| 28 | .31 | | .98 | | .24 | .20 | | | | | | |
| 29 | | | .04 | | ----- | .20 | | | | | | |
| 30 | | | | | ----- | | | | | | | |
| 31 | | ----- | | | ----- | | ----- | | ----- | | | ----- |
| SUM | 0.31 | 0.00 | 3.35 | 5.20 | 1.34 | 1.61 | 0.00 | 0.08 | 0.00 | 0.08 | 1.46 | 0.00 |
| ACC | 0.31 | 0.31 | 3.66 | 8.86 | 10.20 | 11.81 | 11.81 | 11.89 | 11.89 | 11.97 | 13.43 | 13.43 |
| MAX | 0.31 | 0.00 | 1.14 | 0.79 | 0.24 | 0.67 | 0.00 | 0.08 | 0.00 | 0.08 | 0.87 | 0.00 |
| NO. | 1 | 0 | 9 | 15 | 8 | 4 | 0 | 1 | 0 | 1 | 3 | 0 |

| | |
|---|---|
| Maximum Daily Rainfall | 1.14 |
| Maximum Monthly Rainfall | 5.20 |
| Total Annual Rainfall | 13.43 |
| Number of Days with Rain | 42 |

**Flood Control District of Maricopa County ALERT System**

Daily Rainfall at Vineyard FRS (gage # 6685) for Water Year 1992

| DAY | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | .67 | | | | .12 | |
| 2 | | | | | | .28 | | | | | | |
| 3 | | | | .16 | | .39 | | | .08 | | .04 | |
| 4 | | | | .12 | | .20 | | | | | .08 | |
| 5 | | | | .04 | | | | .08 | | | .04 | |
| 6 | | | | .79 | | | | .04 | | | .98 | |
| 7 | | | | | .55 | .28 | | .04 | | | | |
| 8 | | | | | | .16 | | .04 | | | | |
| 9 | | | | | | .79 | | | | .08 | | |
| 10 | | .35 | .16 | | .08 | | | .31 | | .20 | | |
| 11 | | | .24 | | .04 | | | | | .04 | .20 | |
| 12 | | | | .39 | | | | | | | .04 | |
| 13 | | | | .08 | .47 | | | | | | | |
| 14 | | | | .04 | | | | | | | | |
| 15 | | | | | | | | | | | | |
| 16 | | | | | .08 | | | | | | | |
| 17 | | | | | | | | | | | | |
| 18 | | | .39 | | | | | | | | | |
| 19 | | | .71 | | | | | | | | | |
| 20 | | | .04 | | | | | .24 | | | | .24 |
| 21 | | | | | | .24 | | .28 | | | | |
| 22 | | | | | | | | | | | 1.30 | |
| 23 | | | | | | | | .12 | | | .35 | |
| 24 | | | | | | | | | | 1.50 | | |
| 25 | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | |
| 27 | .83 | | | | | .59 | | | | | | |
| 28 | | | | | | .16 | | | | .04 | | |
| 29 | | | .04 | | | | | | | .75 | | |
| 30 | | .91 | .39 | | ----- | .08 | | | | | | |
| 31 | | ----- | | | ----- | | ----- | | ----- | | | ----- |
| SUM | 0.83 | 1.26 | 1.97 | 1.61 | 1.22 | 3.15 | 0.67 | 1.14 | 0.08 | 2.60 | 3.15 | 0.24 |
| ACC | 0.83 | 2.09 | 4.06 | 5.67 | 6.89 | 10.04 | 10.71 | 11.85 | 11.93 | 14.53 | 17.72 | 17.95 |
| MAX | 0.83 | 0.91 | 0.71 | 0.79 | 0.55 | 0.79 | 0.67 | 0.31 | 0.08 | 1.50 | 1.30 | 0.24 |
| NO. | 1 | 2 | 7 | 7 | 5 | 10 | 1 | 8 | 1 | 6 | 9 | 1 |

| | |
|---|---|
| Maximum Daily Rainfall | 1.50 |
| Maximum Monthly Rainfall | 3.19 |
| Total Annual Rainfall | 17.95 |
| Number of Days with Rain | 58 |

**Flood Control District of Maricopa County ALERT System**

Daily Rainfall at Vineyard FRS (gage # 6685) for Water Year 1991

| DAY | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | .20 | | | | | | |
| 2 | | .59 | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | .79 | | | | | | | | |
| 5 | | | | | | | | | | | | .28 |
| 6 | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | |
| 11 | | | | | | | | | | | .04 | |
| 12 | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | |
| 15 | | | .59 | | | .39 | | | | | | |
| 16 | | | .28 | | | | | | | | | |
| 17 | | | | | .12 | | | | | | | |
| 18 | | | | | | | | | | | | |
| 19 | | | | | | .31 | | | | | | |
| 20 | | .51 | .04 | | | .51 | | | | | | |
| 21 | | | | | | .12 | | | | | | |
| 22 | | | .04 | | | | | | | | .04 | |
| 23 | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | |
| 26 | | .12 | | | | .24 | | | | | | |
| 27 | | | | | | .39 | | | | | | |
| 28 | | | .39 | | .67 | | | | | | | |
| 29 | | | .20 | | ----- | | | | | | | |
| 30 | | | | | ----- | | | | | | | |
| 31 | ----- | | | ----- | ----- | | ----- | | ----- | | | ----- |
| SUM | 0.00 | 1.22 | 1.54 | 0.79 | 0.79 | 2.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.28 |
| ACC | 0.00 | 1.22 | 2.76 | 3.54 | 4.33 | 6.50 | 6.50 | 6.50 | 6.50 | 6.50 | 6.57 | 6.85 |
| MAX | 0.00 | 0.59 | 0.59 | 0.79 | 0.67 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.28 |
| NO. | 0 | 3 | 6 | 1 | 2 | 7 | 0 | 0 | 0 | 0 | 2 | 1 |

| | |
|---|---|
| Maximum Daily Rainfall | 0.79 |
| Maximum Monthly Rainfall | 2.17 |
| Total Annual Rainfall | 6.85 |
| Number of Days with Rain | 22 |

**Flood Control District of Maricopa County ALERT System**

Daily Rainfall at Vineyard FRS (gage # 6685) for Water Year 1990

| DAY | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | .59 | | | | | .16 | .59 | |
| 2 | | | | .35 | | | | | | .12 | | |
| 3 | | | | | | | | | | | | .08 |
| 4 | .04 | | | | | | | | | | | |
| 5 | | | | | | | | | | | .24 | .20 |
| 6 | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | |
| 8 | | | | | .31 | | | | | | | |
| 9 | | | | | .04 | | | | | | | |
| 10 | | | | | | .31 | | | .04 | .51 | | |
| 11 | | | | | | .04 | | | | | | |
| 12 | | | | | | .08 | | | | | | |
| 13 | | | | | | | | | | | | |
| 14 | | | | | .08 | | | | | | .98 | .71 |
| 15 | | | | .12 | | | | | | | .20 | .04 |
| 16 | | | | | | | | | | | | |
| 17 | | | | .35 | | | | | | | | |
| 18 | | | | .20 | | | | | | | | .04 |
| 19 | | | | | .35 | | | | | | | |
| 20 | | .12 | | | | | | | | | | .28 |
| 21 | .16 | | | | | | | | | | | .08 |
| 22 | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | |
| 24 | | | | | | | .12 | | | .08 | | |
| 25 | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | |
| 28 | | | .24 | | | .12 | | .04 | | | | |
| 29 | | | .35 | | ----- | .04 | | .04 | | | | |
| 30 | | | | | ----- | | | | | | | |
| 31 | | ----- | | | ----- | .08 | ----- | | ----- | | | ----- |
| SUM | 0.20 | 0.12 | 0.59 | 1.02 | 1.38 | 0.67 | 0.12 | 0.08 | 0.04 | 0.87 | 2.01 | 1.42 |
| ACC | 0.20 | 0.31 | 0.91 | 1.93 | 3.31 | 3.98 | 4.09 | 4.17 | 4.21 | 5.08 | 7.09 | 8.54 |
| MAX | 0.16 | 0.12 | 0.35 | 0.35 | 0.59 | 0.31 | 0.12 | 0.04 | 0.04 | 0.51 | 0.98 | 0.71 |
| NO. | 2 | 1 | 2 | 4 | 5 | 6 | 1 | 2 | 1 | 4 | 4 | 7 |

| | |
|---|---|
| Maximum Daily Rainfall | 0.98 |
| Maximum Monthly Rainfall | 2.01 |
| Total Annual Rainfall | 8.54 |
| Number of Days with Rain | 39 |

**Flood Control District of Maricopa County ALERT System**

Daily Rainfall at Vineyard FRS (gage # 6685) for Water Year 1989

| DAY | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | |
| 2 | | | | | | .04 | | | | | | |
| 3 | | | | | | | | | | | | .12 |
| 4 | | | | 1.02 | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | .04 | | | | | | | | |
| 7 | | | | | | | | | | | .20 | |
| 8 | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | |
| 10 | .63 | | | | | | | | | .43 | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | |
| 14 | | .04 | | | | | | | | | .16 | |
| 15 | | | | | | | | | | | | |
| 16 | | | | | | | | .04 | | | | |
| 17 | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | |
| 20 | .08 | | | | | | | | | | | |
| 21 | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | |
| 24 | | .08 | | | | | | | | | | |
| 25 | | .51 | .12 | .08 | | .16 | | | | | | |
| 26 | | .12 | .04 | | | 1.46 | | | | | | |
| 27 | | | | .04 | | | | | | | | |
| 28 | | | | | | | | | | | | |
| 29 | | | | | ---- | | | | | | | |
| 30 | | | | | ---- | | | | | | | |
| 31 | | ---- | | | ---- | | ---- | | ---- | | | ---- |
| SUM | 0.71 | 0.75 | 0.16 | 1.18 | 0.00 | 1.65 | 0.00 | 0.04 | 0.00 | 0.43 | 0.35 | 0.12 |
| ACC | 0.71 | 1.46 | 1.61 | 2.80 | 2.80 | 4.45 | 4.45 | 4.49 | 4.49 | 4.92 | 5.28 | 5.39 |
| MAX | 0.63 | 0.51 | 0.12 | 1.02 | 0.00 | 1.46 | 0.00 | 0.04 | 0.00 | 0.43 | 0.20 | 0.12 |
| NO. | 2 | 4 | 2 | 4 | 0 | 3 | 0 | 1 | 0 | 1 | 2 | 1 |

| | |
|---|---|
| Maximum Daily Rainfall | 1.46 |
| Maximum Monthly Rainfall | 1.65 |
| Total Annual Rainfall | 5.39 |
| Number of Days with Rain | 20 |

**Flood Control District of Maricopa County ALERT System**

Daily Rainfall at Vineyard FRS (gage # 6685) for Water Year 1988

| DAY | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ----- | ----- | | | | | | | | | | |
| 2 | ----- | ----- | | | .12 | .08 | | | | | | |
| 3 | ----- | ----- | | | .24 | | | | | | | |
| 4 | ----- | ----- | .04 | | | | | | | | | |
| 5 | ----- | ----- | .20 | .04 | | | | | | | | |
| 6 | ----- | | | .04 | | | | | | | | |
| 7 | ----- | | | | | | | | | | | |
| 8 | ----- | | | | | | | | | | | |
| 9 | ----- | | | | | | | | | | | |
| 10 | ----- | | | | | | | | | | | |
| 11 | ----- | | | | | | | | | | | |
| 12 | ----- | | | | | | | | | | | |
| 13 | ----- | | | | | | | | | | | |
| 14 | ----- | | | | | | | | | | | |
| 15 | ----- | | | | | | .12 | | | | | |
| 16 | ----- | | | .04 | | | | | | | | |
| 17 | ----- | | .87 | .20 | | | | | | | | |
| 18 | ----- | | .16 | .43 | | | | | | | .08 | |
| 19 | ----- | | .08 | | | | | | | | .20 | |
| 20 | ----- | | | | | | | | | .08 | .04 | |
| 21 | ----- | | | | | | .08 | | | | | |
| 22 | ----- | | | | | | .31 | | | | | |
| 23 | ----- | | | | | | | | | | | |
| 24 | ----- | | | | | | | | | | | |
| 25 | ----- | | | | | | | | | | | |
| 26 | ----- | | | | | | | | | | | |
| 27 | ----- | | | | | | | | | | | |
| 28 | ----- | | | | | | | | | | | |
| 29 | ----- | | | | | | | | | .08 | | |
| 30 | ----- | | | | ----- | | | | | | | |
| 31 | ----- | ----- | | | ----- | | ----- | .08 | ----- | | | ----- |
| SUM | ----- | 0.00 | 1.34 | 0.75 | 0.35 | 0.08 | 0.51 | 0.08 | 0.00 | 0.16 | 0.31 | 0.00 |
| ACC | ----- | 0.00 | 1.34 | 2.09 | 2.44 | 2.52 | 3.03 | 3.11 | 3.11 | 3.27 | 3.58 | 3.58 |
| MAX | ----- | 0.00 | 0.87 | 0.43 | 0.24 | 0.08 | 0.31 | 0.08 | 0.00 | 0.08 | 0.20 | 0.00 |
| NO. | ----- | 0 | 5 | 5 | 2 | 1 | 3 | 1 | 0 | 2 | 3 | 0 |

| | |
|---|---|
| Maximum Daily Rainfall | 0.87 |
| Maximum Monthly Rainfall | 1.34 |
| Partial Annual Rainfall | 3.58 |
| Number of Days with Rain | 22 |

**Flood Control District of Maricopa County ALERT System**

Daily Rainfall at Vineyard FRS (gage # 6685) for Water Year 1987

| DAY | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | |
| 2 | | .04 | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | .28 | | | | | | | | |
| 6 | | | .47 | | | | | | | | | |
| 7 | | | .51 | | | | | | | | | |
| 8 | | | .04 | | | | | | | | | |
| 9 | .28 | | | | | | | | | | | |
| 10 | .51 | | | | | | | | | | | |
| 11 | 1.22 | | | | | | | | | | | |
| 12 | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | |
| 15 | | | | | | .04 | | .04 | | | | |
| 16 | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | |
| 20 | | | .20 | | | | | | | | | |
| 21 | | | | | | | | | | | | |
| 22 | | | | | | .08 | | | | | | .43 |
| 23 | | | | | | | | | | | | |
| 24 | | | | | .08 | | | | | | | |
| 25 | | | | | .47 | | | | | | | |
| 26 | | | | | .08 | | | | | | .08 | |
| 27 | | | | | | | | | | .35 | | |
| 28 | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | |
| 30 | | | | .20 | | | | | | | | |
| 31 | | | | .59 | | | | | | | | |
| SUM | 2.01 | 0.04 | 1.22 | 1.06 | 0.63 | 0.12 | 0.00 | 0.04 | 0.00 | 0.35 | 0.08 | 0.43 |
| ACC | 2.01 | 2.05 | 3.27 | 4.33 | 4.96 | 5.08 | 5.08 | 5.12 | 5.12 | 5.47 | 5.55 | 5.98 |
| MAX | 1.22 | 0.04 | 0.51 | 0.59 | 0.47 | 0.08 | 0.00 | 0.04 | 0.00 | 0.35 | 0.08 | 0.43 |
| NO. | 3 | 1 | 4 | 3 | 3 | 2 | 0 | 1 | 0 | 1 | 1 | 1 |

| | |
|---|---|
| Maximum Daily Rainfall | 1.22 |
| Maximum Monthly Rainfall | 2.01 |
| Total Annual Rainfall | 5.98 |
| Number of Days with Rain | 20 |

**Flood Control District of Maricopa County ALERT System**

Daily Rainfall at Vineyard FRS (gage # 6685) for Water Year 1986

| DAY | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | .16 | | | | | | | |
| 2 | | | | | | | | | | .08 | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | .04 | | | | | .31 | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | |
| 7 | .04 | | | | | | | | | | | |
| 8 | | | | | .63 | | | | | | | |
| 9 | | | | | .04 | | | | | | | |
| 10 | .43 | | | | | .04 | | | | | | |
| 11 | | | .04 | | .04 | .24 | | | | | 1.06 | |
| 12 | | .08 | | | | .28 | | | | | | |
| 13 | | | | | | .04 | | | | | | |
| 14 | | | | | | .31 | | | | | | |
| 15 | .16 | | | | .35 | | | | | | | |
| 16 | .24 | | | | | .08 | | | | | | |
| 17 | .24 | | | | | .59 | | | | | .12 | |
| 18 | | | | | | .12 | | | | | | |
| 19 | | | | | | | | | | | .39 | |
| 20 | | | | | | | | | | | | |
| 21 | | | | | | | | | | .79 | | |
| 22 | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | .47 |
| 24 | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | |
| 26 | | .79 | | | | | | | | | | |
| 27 | | | | | | | | | | | .08 | |
| 28 | | | | | | | | | | | .24 | |
| 29 | | .08 | | | | | | | | | .63 | |
| 30 | | .12 | | .16 | | | | | | | | |
| 31 | .04 | | | .31 | | | | | | | .55 | |
| SUM | 1.14 | 1.06 | 0.04 | 0.47 | 1.26 | 1.69 | 0.00 | 0.00 | 0.00 | 1.18 | 3.07 | 0.47 |
| ACC | 1.14 | 2.20 | 2.24 | 2.72 | 3.98 | 5.67 | 5.67 | 5.67 | 5.67 | 6.85 | 9.92 | 10.39 |
| MAX | 0.43 | 0.79 | 0.04 | 0.31 | 0.63 | 0.59 | 0.00 | 0.00 | 0.00 | 0.79 | 1.06 | 0.47 |
| NO. | 6 | 4 | 1 | 2 | 6 | 8 | 0 | 0 | 0 | 3 | 7 | 1 |

| | |
|---|---|
| Maximum Daily Rainfall | 1.06 |
| Maximum Monthly Rainfall | 3.07 |
| Total Annual Rainfall | 10.39 |
| Number of Days with Rain | 38 |

**Flood Control District of Maricopa County ALERT System**

Daily Rainfall at Vineyard FRS (gage # 6685) for Water Year 1985

| DAY | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | .04 | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | .08 | | M | M | | M | M | | | | | |
| 5 | | | I | I | | I | I | | | | | |
| 6 | | | S | S | | S | S | | | | | .20 |
| 7 | | | S | S | | S | S | | | | | |
| 8 | | | I | I | | I | I | | | | | |
| 9 | | | N | N | | N | N | | | | | |
| 10 | | | G | G | | G | G | | | | | |
| 11 | | | | | | | | | | | | .08 |
| 12 | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | |
| 15 | | | | | | | | | | .04 | | |
| 16 | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | |
| 18 | | | | | | | | | | .12 | | .79 |
| 19 | | | | | | | | | | .04 | | |
| 20 | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | |
| 26 | | | | | | | | | | | .04 | |
| 27 | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | .71 |
| 29 | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | |
| SUM | 0.08 | 0.00 | ---- | ---- | 0.00 | ---- | ---- | 0.00 | 0.00 | 0.20 | 0.08 | 1.77 |
| ACC | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.28 | 0.35 | 2.13 |
| MAX | 0.08 | 0.00 | ---- | ---- | 0.00 | ---- | ---- | 0.00 | 0.00 | 0.12 | 0.04 | 0.79 |
| NO. | 1 | 0 | - | - | 0 | - | - | 0 | 0 | 3 | 2 | 4 |

| | |
|---|---|
| Maximum Daily Rainfall | 0.79 |
| Maximum Monthly Rainfall | 1.77 |
| Partial Annual Rainfall | 2.13 |
| Number of Days with Rain | 10 |

**Flood Control District of Maricopa County ALERT System**
Daily Rainfall at Vineyard FRS (gage # 6685) for Water Year 1984

| DAY | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | .24 | | | | | | | | | |
| 2 | | | .24 | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | .28 | .35 | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | | | .04 | | | .04 | | | | | |
| 7 | | | | | | | | | | | | |
| 8 | | | | | | | | | | | 1.02 | |
| 9 | | | | | | | | | | | .39 | |
| 10 | | | | | | | | | | | | .35 |
| 11 | | | | | | | | | | | .04 | .35 |
| 12 | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | |
| 14 | | | | | | | | | | | .16 | |
| 15 | | | | | | | | | | | | |
| 16 | | | | | | | | | | .16 | .47 | |
| 17 | | | | | | | | | | 1.73 | | |
| 18 | | | | | | | | | | .08 | | |
| 19 | | | | | | | | | | .04 | .12 | |
| 20 | | | | | | | | | | .04 | | |
| 21 | | .24 | | | | | | | | | | |
| 22 | | | | | | | | | | .16 | | |
| 23 | | | | | | | | | | .08 | .04 | |
| 24 | | | | | | | | | | | .04 | |
| 25 | | .08 | .28 | | | | | | .04 | | | .12 |
| 26 | | | .04 | | | | | | | | | |
| 27 | | | | | | | | | .08 | .24 | | .12 |
| 28 | | | | | | | .12 | | | .35 | | |
| 29 | | | | | | | .04 | | | | | .08 |
| 30 | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | |
| SUM | | 0.31 | 1.06 | 0.39 | 0.00 | 0.00 | 0.20 | 0.00 | 0.12 | 2.87 | 2.28 | 1.02 |
| ACC | | 0.31 | 1.38 | 1.77 | 1.77 | 1.77 | 1.97 | 1.97 | 2.09 | 4.96 | 7.24 | 8.27 |
| MAX | | 0.24 | 0.28 | 0.35 | 0.00 | 0.00 | 0.12 | 0.00 | 0.08 | 1.73 | 1.02 | 0.35 |
| NO. | | 2 | 5 | 2 | 0 | 0 | 3 | 0 | 2 | 9 | 8 | 5 |

| | |
|---|---|
| Maximum Daily Rainfall | 1.73 |
| Maximum Monthly Rainfall | 2.87 |
| Partial Annual Rainfall | 8.27 |
| Number of Days with Rain | 36 |

Station installed on 11/02/1983.