

| YEAR | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep-m | Sep-h | Oct | Nov | Dec | Jan-May | Monsoon | Yearly TOTAL | Phx |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-------|-------|-----|-----|-----|---------|------------------------------|--------------|-----|
| 2011 | 6.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.4 | 0.3 | 0.0 | 0.2 | 2.3 | 0.8 | 6.1 | 1.3 | 10.7 | 5.0 |
| 2012 | 0.0 | 0.0 | 1.0 | 0.1 | 0.0 | 0.0 | 4.1 | 1.0 | 0.8 | 0.0 | 0.1 | 0.1 | 0.9 | 1.1 | 5.9 | 8.1 | 5.1 |
| 2013 | 1.5 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 1.4 | 4.4 | 1.6 | 0.0 | 0.2 | 3.1 | 0.6 | 1.8 | 7.4 | 13.1 | 8.1 |
| 2014 | 0.0 | 0.4 | 0.6 | 0.1 | 0.0 | 0.0 | 2.8 | 4.4 | 1.1 | 0.7 | 0.2 | 0.0 | 1.6 | 1.1 | 8.3 | 11.9 | 9.6 |
| 2015* | 2.0 | 0.7 | 1.4 | 0.2 | 1.7 | 0.3 | 0.8 | 0.6 | 2.0 | 0.0 | 1.5 | 0.3 | 0.3 | 6.0 | 3.4 | 11.8 | 7.0 |
| 2016 | 1.8 | 0.0 | 0.0 | 0.3 | 1.4 | 0.4 | 0.7 | 1.8 | 0.3 | 0.0 | 0.2 | 0.5 | 2.4 | 3.5 | 2.8 | 9.8 | 6.9 |
| 2017 | 2.3 | 2.6 | 0.2 | 0.0 | 0.5 | 0.0 | 2.1 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 5.6 | 3.9 | 9.5 | 5.7 |
| 2018 | 0.5 | 0.6 | 0.4 | 0.0 | 0.0 | 0.1 | 5.4 | 1.4 | 0.2 | 0.0 | 3.3 | 0.1 | 0.3 | 1.4 | 6.9 | 12.0 | 8.2 |
| 2019 | 2.9 | 2.2 | 1.0 | 0.2 | 0.4 | 0.0 | 0.5 | 0.8 | 0.7 | 2.1 | 0.0 | 3.4 | 2.4 | 6.5 | 2.0 | 16.3 | 9.8 |
| 2020 | 0.0 | 1.8 | 5.3 | 0.0 | 0.0 | 0.0 | 0.4 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 7.1 | 2.0 | 9.4 | 4.2 |
| 2021 | 2.3 | 0.1 | 0.2 | 0.1 | 0.0 | 0.1 | 1.0 | 1.9 | 0.2 | 0.0 | 0.8 | 0.0 | 1.3 | 2.6 | 3.1 | 7.9 | 9.2 |
| AVGs > | 1.8 | 0.8 | 0.9 | 0.1 | 0.4 | 0.1 | 1.8 | 1.7 | 0.7 | 0.3 | 0.6 | 0.9 | 1.0 | 3.9 | 4.3 | 10.9 | 7.2 |
| Figures are rounded to the nearest tenth | | | | | | | | | | | | | | | | | |
| * Rainfall every month this year (unusual) | | | | | | | | | | | | | | | | | |
| It appears that high rainfall amounts in the spring results in a lower monsoon total. | | | | | | | | | | | | | | | | | |
| September is split into "Monsoon" (Gulf of Mexico) and "Hurricane" (Pacific) amounts. | | | | | | | | | | | | | | | | | |
| Heavy October rain is typically from hurricanes. Oct '18 was from hurricanes Rosa and Sergio. | | | | | | | | | | | | | | | | | |
| See sheet (tab) #2 for long-term Wicky data, and sheet #3 for Phoenix data. | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | Rainfall_Log J.Daly 12.31.21 | | |

| Wickenburg Long-Term Rainfall History | | | | |
|---------------------------------------|-----------|---------------------------|------|-----------|
| Year | Inches /1 | | | Inches /2 |
| 1939 | 12.41 | | | |
| 1940 | 10.58 | | | |
| 1941 | 18.51 | | | |
| 1942 | 6.71 | | | |
| 1943 | 11.48 | | | |
| 1944 | 14.43 | | | |
| 1945 | 10.34 | | | |
| 1946 | 10.97 | | | |
| 1947 | 6.70 | | | |
| 1948 | 8.56 | | | |
| 1949 | 14.18 | | | |
| 1950 | 6.04 | | | |
| 1951 | 18.40 | | | |
| 1952 | 15.52 | | | |
| 1953 | 7.83 | | | |
| 1954 | 9.67 | | | |
| 1955 | 10.18 | | | |
| 1956 | 3.59 | | | |
| 1957 | 8.68 | | | |
| 1958 | 8.99 | | | |
| 1959 | 13.00 | | | |
| 1960 | 5.82 | | | |
| 1961 | 6.73 | | | |
| 1962 | 7.04 | | | |
| 1963 | 13.70 | | | |
| 1964 | 10.61 | | | |
| 1965 | 25.20 | | | |
| 1966 | 9.01 | | | |
| 1967 | 12.27 | | | |
| 1968 | 9.76 | | | |
| 1969 | 9.99 | | | |
| 1970 | 14.43 | | | |
| 1971 | 8.04 | | | |
| 1972 | 7.59 | | | |
| 1973 | 10.30 | | | |
| 1974 | 13.31 | | | |
| 1975 | 7.45 | 1939-1975 avg (typical?): | 10.8 | |
| 1976 | 14.16 | | | |
| 1977 | 9.97 | | | |
| 1978 | 22.20 | | | |
| 1979 | 12.10 | | | |
| 1980 | 14.90 | | | |
| 1981 | 10.23 | | | |
| 1982 | 17.70 | | | |
| 1983 | 18.08 | | | |
| 1984 | 14.73 | | | |
| 1985 | 11.02 | | | |
| 1986 | 12.78 | | | |
| 1987 | 13.02 | | | |
| 1988 | 12.05 | | | |
| 1989 | 7.60 | | | |
| 1990 | 12.75 | | | |
| 1991 | 11.09 | | | |
| 1992 | 20.52 | | | |
| 1993 | 15.21 | 1976-1993 avg: | 13.9 | |
| 1994 | 7.28 | | | |
| 1995 | 13.19 | | | 11.77 |
| 1996 | 5.15 | | | 5.87 |
| 1997 | 11.02 | | | 8.58 |
| 1998 | 15.82 | | | 14.25 |
| 1999 | 9.44 | | | 9.06 |
| 2000 | 11.73 | | | 6.34 |
| 2001 | 7.47 | | | 13.46 |
| 2002 | 4.99 | | | 2.28 |
| 2003 | 11.80 | | | 13.31 |
| 2004 | 13.79 | | | 7.09 |
| 2005 | 13.39 | | | 21.30 |
| 2006 | 6.21 | 1994-2006 avg: | 10.1 | 5.31 |
| 2007 | | | | 5.28 |
| 2008 | | | | 7.64 |
| 2009 | | | | 6.93 |
| 2010 | | | | 10.75 |
| 2011 | | | | 4.29 |
| 2012 | | | | 9.13 |
| 2013 | | | | 7.01 |
| 2014 | | | | 11.65 |
| 2015 | | | | 13.03 |
| 2016 | | | | 5.67 |
| 2017 | | | | 14.72 |
| 2018 | | | | |
| 2019 | | | | |
| AVG | 11.5 | | 9.3 | |

page 1 of 2

page 2 of 2

/1 Column B data from the Wickenburg Sun, does not agree with airport data in column G
 /2 Column G data from the Wickenburg Airport maricopa County Flood Control gage 52800
 1939-2006 "Wicky Sun" data courtesy of George Bartley - thanks George !!

Phoenix Rainfall Data (National Weather Service)

| YEAR | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Annual | Monsoon |
|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|---------|
| 1990 | 0.96 | 0.57 | 0.39 | 0.22 | 0.10 | 0.07 | 1.09 | 2.09 | 2.03 | 0.18 | 0.40 | 0.63 | 8.73 | 5.21 |
| 1991 | 0.74 | 0.72 | 2.23 | 0.00 | 0.00 | 0.00 | 0.10 | 0.45 | 0.68 | 0.76 | 0.98 | 1.76 | 8.42 | 1.23 |
| 1992 | 1.43 | 1.40 | 2.55 | 0.48 | 0.83 | 0.08 | 2.10 | 2.15 | 0.22 | 0.17 | 0.02 | 3.18 | 14.61 | 4.47 |
| 1993 | 5.03 | 2.12 | 1.24 | 0.00 | 0.10 | 0.00 | 0.04 | 1.34 | 0.05 | 1.06 | 2.67 | 0.02 | 13.67 | 1.43 |
| 1994 | 0.06 | 0.73 | 1.12 | 0.15 | 0.26 | 0.00 | 0.27 | 0.20 | 0.92 | 0.44 | 0.50 | 2.54 | 7.19 | 1.39 |
| 1995 | 1.78 | 0.68 | 1.17 | 0.35 | 0.06 | 0.00 | 0.10 | 1.51 | 1.09 | 0.01 | 1.07 | 0.00 | 7.82 | 2.70 |
| 1996 | 0.15 | 0.82 | 0.55 | 0.00 | 0.00 | 0.01 | 1.40 | 0.59 | 1.35 | 0.12 | 0.14 | 0.00 | 5.13 | 3.35 |
| 1997 | 0.88 | 0.80 | 0.00 | 0.29 | 0.03 | 0.02 | 0.05 | 1.11 | 0.66 | 0.17 | 0.10 | 1.31 | 5.42 | 1.83 |
| 1998 | 0.41 | 4.14 | 1.61 | 0.31 | 0.03 | 0.00 | 0.74 | 0.67 | 0.58 | 0.68 | 0.31 | 0.49 | 9.97 | 1.99 |
| 1999 | 0.03 | 0.33 | 0.12 | 1.13 | 0.00 | 0.05 | 2.03 | 0.80 | 0.87 | 0.00 | 0.00 | 0.00 | 5.36 | 3.70 |
| 2000 | 0.04 | 0.10 | 2.42 | 0.00 | 0.00 | 0.42 | 0.14 | 0.63 | 0.01 | 3.30 | 0.30 | 0.00 | 7.36 | 1.20 |
| 2001 | 2.03 | 0.81 | 0.88 | 0.92 | 0.01 | 0.03 | 0.78 | 0.58 | 0.03 | 0.06 | 0.12 | 0.75 | 7.00 | 1.42 |
| 2002 | 0.10 | 0.00 | 0.04 | 0.10 | 0.00 | 0.00 | 1.04 | 0.09 | 0.86 | 0.34 | 0.41 | 0.31 | 3.29 | 1.99 |
| 2003 | 0.38 | 3.35 | 0.99 | 0.16 | 0.00 | 0.00 | 0.53 | 1.11 | 0.16 | 0.40 | 0.87 | 0.26 | 8.21 | 1.80 |
| 2004 | 0.52 | 0.80 | 1.23 | 1.26 | 0.00 | 0.00 | 0.57 | 0.37 | 0.60 | 0.82 | 0.82 | 1.70 | 8.69 | 1.54 |
| 2005 | 2.36 | 3.81 | 0.40 | 0.27 | 0.00 | 0.07 | 0.63 | 1.62 | 0.21 | 0.34 | 0.00 | 0.00 | 9.71 | 2.53 |
| 2006 | 0.00 | 0.00 | 1.69 | 0.02 | 0.03 | 0.05 | 1.08 | 1.47 | 1.06 | 0.29 | 0.00 | 0.25 | 5.94 | 3.63 |
| 2007 | 0.65 | 0.40 | 0.84 | 0.21 | 0.00 | 0.00 | 1.00 | 0.32 | 0.09 | 0.02 | 1.58 | 1.37 | 6.48 | 1.41 |
| 2008 | 2.23 | 0.51 | 0.00 | 0.00 | 0.48 | 0.01 | 1.54 | 2.20 | 0.12 | 0.01 | 0.55 | 1.56 | 9.21 | 3.87 |
| 2009 | 0.24 | 1.11 | 0.00 | 0.38 | 0.30 | 0.00 | 0.37 | 0.47 | 0.35 | 0.00 | 0.01 | 0.69 | 3.92 | 1.19 |
| 2010 | 3.04 | 1.50 | 0.96 | 0.00 | 0.00 | 0.00 | 0.93 | 0.96 | 0.13 | 0.99 | 0.06 | 1.51 | 10.08 | 2.02 |
| 2011 | 0.00 | 0.90 | 0.17 | 0.35 | 0.03 | 0.00 | 1.01 | 0.23 | 0.19 | 0.11 | 0.80 | 1.21 | 5.00 | 1.43 |
| 2012 | 0.00 | 0.01 | 0.48 | 0.08 | 0.00 | 0.00 | 1.12 | 1.37 | 0.78 | 0.06 | 0.08 | 1.11 | 5.09 | 3.27 |
| 2013 | 1.57 | 0.46 | 0.77 | 0.05 | 0.00 | 0.00 | 0.97 | 0.56 | 1.03 | 0.02 | 2.19 | 0.47 | 8.09 | 2.56 |
| 2014 | 0.00 | 0.00 | 1.20 | 0.00 | 0.00 | 0.00 | 0.55 | 2.01 | 4.46 | 0.23 | 0.00 | 1.16 | 9.61 | 7.02 |
| 2015 | 1.05 | 0.07 | 0.82 | 0.29 | 1.20 | 0.29 | 0.37 | 0.72 | 0.47 | 1.02 | 0.43 | 0.23 | 6.96 | 1.61 |
| 2016 | 1.83 | 0.01 | 0.00 | 0.45 | 0.07 | 0.13 | 0.34 | 1.60 | 0.24 | 0.20 | 0.70 | 1.32 | 6.89 | 2.30 |
| 2017 | 1.31 | 1.43 | 0.06 | 0.00 | 0.09 | 0.00 | 1.71 | 0.89 | 0.04 | 0.00 | 0.04 | 0.18 | 5.75 | 2.64 |
| 2018 | 0.38 | 0.43 | 0.03 | 0.00 | 0.03 | 0.09 | 1.03 | 1.53 | 0.16 | 3.82 | 0.29 | 0.45 | 8.24 | 2.81 |
| 2019 | 0.80 | 2.39 | 0.57 | 0.08 | 0.12 | 0.01 | 0.41 | 0.36 | 1.42 | 0.00 | 2.33 | 1.31 | 9.80 | 2.19 |
| 2020 | 0.10 | 1.43 | 2.12 | 0.04 | 0.02 | 0.00 | 0.10 | 0.35 | 0.01 | 0.00 | 0.00 | 0.00 | 4.17 | 0.46 |
| 2020 | 0.91 | 0.00 | 0.20 | 0.02 | 0.04 | 0.05 | 2.81 | 2.21 | 0.78 | 0.14 | 0.00 | 1.99 | 9.15 | 5.85 |
| AVG | 0.97 | 0.99 | 0.84 | 0.24 | 0.12 | 0.04 | 0.84 | 1.02 | 0.68 | 0.49 | 0.56 | 0.87 | 7.66 | 2.56 |