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| |  |  | | --- | --- | | **6.4.4.1.2.** | **Data Set of Southern Oscillations** | | |
| *Source and Background* | The southern oscillation is defined as the barametric pressure difference between Tahiti and the Darwin Islands at sea level. The southern oscillation is a predictor of el nino which in turn is thought to be a driver of world-wide weather. Specifically, repeated southern oscillation values less than -1 typically defines an el nino. Note: the decimal values in the second column of the data given below are obtained as (month number - 0.5)/12. The reader can download the data as a [text file](https://www.itl.nist.gov/div898/handbook/datasets/ELNINO.DAT). |
| *Data* | Southern  Oscillation Year + fraction Year Month  ----------------------------------------------  -0.7 1955.04 1955 1  1.3 1955.13 1955 2  0.1 1955.21 1955 3  -0.9 1955.29 1955 4  0.8 1955.38 1955 5  1.6 1955.46 1955 6  1.7 1955.54 1955 7  1.4 1955.63 1955 8  1.4 1955.71 1955 9  1.5 1955.79 1955 10  1.4 1955.88 1955 11  0.9 1955.96 1955 12    1.2 1956.04 1956 1  1.1 1956.13 1956 2  0.9 1956.21 1956 3  1.1 1956.29 1956 4  1.4 1956.38 1956 5  1.2 1956.46 1956 6  1.1 1956.54 1956 7  1.0 1956.63 1956 8  0.0 1956.71 1956 9  1.9 1956.79 1956 10  0.1 1956.88 1956 11  0.9 1956.96 1956 12    0.4 1957.04 1957 1  -0.4 1957.13 1957 2  -0.4 1957.21 1957 3  0.0 1957.29 1957 4  -1.1 1957.38 1957 5  -0.4 1957.46 1957 6  0.1 1957.54 1957 7  -1.1 1957.63 1957 8  -1.0 1957.71 1957 9  -0.1 1957.79 1957 10  -1.2 1957.88 1957 11  -0.5 1957.96 1957 12    -1.9 1958.04 1958 1  -0.7 1958.13 1958 2  -0.3 1958.21 1958 3  0.1 1958.29 1958 4  -1.3 1958.38 1958 5  -0.3 1958.46 1958 6  0.3 1958.54 1958 7  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