Station Name: **South Mountain Park**

State: Arizona
County: Maricopa

Latitude: 33 20 40
Longitude: 112 01 59

Location: Metro Phoenix, alignments of Elliot Rd and 24th St

Time zone: MST – all year

Owner: Flood Control District Of Maricopa County

Office telephone: 602-506-8701

NWS CWA: Phoenix
Zone #: 23

Station Elevation: 2,135 feet MSL

Date of Installation: Rain, wind, temp. and RH installed on 09/28/1982; solar rad. added on 07/21/1993

Archived: Since November of 1987

Equipment operates in the NWS ALERT format. Transmission to the Flood Control District of Maricopa County via VHF radio. All the below equipment distributed by HydroLynx Systems Inc. (temperature and RH sensors via Vaisala). The barometer is located in the stand pipe.

| Sensors: | Type | Model | Height AG (ft) | ID # | Units | Frequency of data |
|---|---|---|---|---|---|---|
| Rain | Tipping Bucket | 5050P | 9.8 | 6510 | mm | Variable |
| Temperature | Transducer | 2046T | 10.6 | 6512 | deg F/C | 15 minutes |
| " | Radiation shield | 4550 | ---- | ----- | ---- | ---- |
| Relative Humidity | Polymer film | 2046RH | 10.6 | 6511 | % | 15 minutes |
| Dewpoint (calculated) | --- | --- | ---- | 6508 | deg F | 15 minutes |
| Wind Speed | Three cup | 5050WS | 9.6 | 6507 | mph | 15 minutes |
| Wind Direction | Pointer | 5050WD | 10.0 | 6517 | deg | 15 minutes |
| Peak Wind | --- | --- | ---- | 6504 | mph | 15 minutes |
| Solar Radiation | Silicon photovoltaic cell | 4015 | 11.0 | 6513 | watts/sqm | 30 minutes |
| Barometric Pressure | Solid state | 1522 | 7.5 | 6514 | mb, inHg | 30 minutes |

Site Description: Slight slope. Soil type – weeds/rock.

Obstructions: Bush next to station – 4 to 5 ft high.

Photographs - attached page

North

East

South

West

Station