

Station Name: **Estrella Fan**

State: Arizona
County: Maricopa
Latitude: 33 16 10
Longitude: 112 19 15
Location: Southwest of metro Phoenix, alignment of El Mirage Rd and Germann Rd
Time zone: MST – all year
Owner: Flood Control District Of Maricopa County
Office telephone: 602-506-8701
NWS CWA: Phoenix
Zone #: 27
Station Elevation: 1,455 feet MSL
Date of Installation: All sensors installed on 11/15/1992, except for baro. pressure on 03/09/1994
Archived: Yes, from date of installation

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.

<u>Sensors:</u>	<u>Type</u>	<u>Model</u>	<u>Height AG (ft)</u>	<u>ID #</u>	<u>Units</u>	<u>Frequency of data</u>
Rain	Tipping Bucket	5050P	13.3	6890	mm	Variable
Temperature	Transducer	2046T	12.5	6892	deg F/C	15 minutes
“	Radiation shield	4550	----	----	----	----
Relative Humidity	Polymer film	2046RH	12.5	6891	%	15 minutes
Dewpoint (calculated)	---	---	----	6888	deg F	15 minutes
Wind Speed	Three cup	5050WS	13.3	6887	mph	15 minutes
Wind Direction	Pointer	5050WD	13.3	6897	deg	15 minutes
Peak Wind	---	---	----	6883	mph	15 minutes
Solar Radiation	Silicon photovoltaic cell	4015	12.9	6896	watts/sqm	30 minutes
Barometric Pressure	Solid state	1522	10.7	6894	mb, inHg	30 minutes

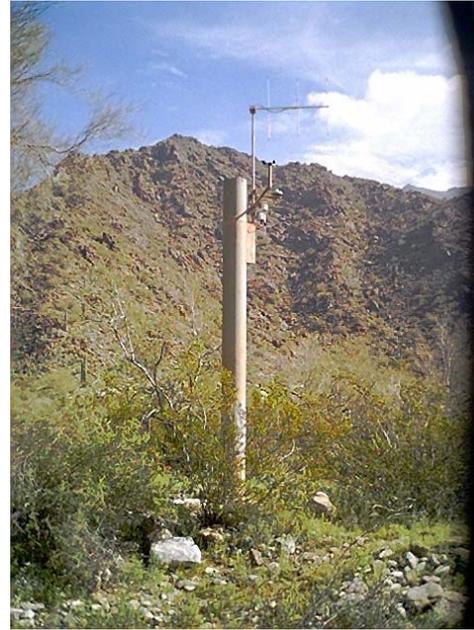
Site Description: Flat ground. Soil type – dirt / rocks

Obstructions: Palo Verde trees within 12 feet – to over 15 feet high

Photographs - attached page



North



East



South



West