

Station Name: **Carefree Ranch**

State: Arizona  
County: Maricopa  
  
Latitude: 33 51 11  
Longitude: 111 51 50  
  
Location: 3.5 miles north of Skyranch airport  
  
Time zone: MST – all year  
  
Owner: Flood Control District Of Maricopa County  
  
Office telephone: 602-506-8701  
  
NWS CWA: Phoenix  
Zone #: 23  
  
Station Elevation: 2,960 feet MSL  
  
Date of Installation: Precip., wind and temp sensors installed on 07/15/1985; RH & Solar Rad. added on 03/25/1994  
  
Archived: Since November 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).

<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	10.5	4930	mm	Variable
Temperature	Transducer	2046T	9.3	4932	deg F/C	15 minutes
“	Radiation shield	4550	----	----	----	----
Relative Humidity	Polymer film	2046RH	9.3	4931	%	15 minutes
Dewpoint (calculated)	---	---	----	4928	deg F	15 minutes
Wind Speed	Three cup	5050WS	10.7	4927	mph	15 minutes
Wind Direction	Pointer	5050WD	10.2	4937	deg	15 minutes
Peak Wind	---	---	----	4924	mph	15 minutes
Solar Radiation	Silicon photovoltaic cell	4015	10.4	4933	watts/sqm	30 minutes

Site Description: On top of a small hill. Soil type – sand, small rocks.

Obstructions: None

Photographs - attached page



North



East



South



West