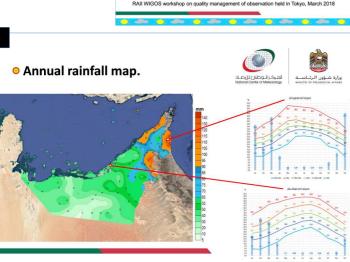
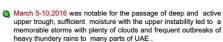
United Arab Emirates





OChallenges in rainfall observation. The measurement of precipitation is very sensitive to exposure and in particular due to systematic wind field deformation above the gauge orifice which cause the deviation of precipitation particles over the catchment area.
The loss of water during the tipping action in heavy rain. The amount of moisture deposited in the form of dew caused by fog Error due to evaporation from the container. Error due to the in and out splashing of water

4 Major Recent rainfall-related disaster.



heavy thundery rains to many parts of UAE .

Maximum wind gust reached 130 km/h was reported at Al Bateen (Abu Dhabi Emirate).

Heaviest rain reported on 9th of March with 287.6 mm was recorded at Al Shiweb.

Due to unstable weather conditions several accidents exacerbated road congestions and caused a main reason of travel delays for airports , uprooted trees and flooded roads were also reported.

Public schools were closed two consecutive days .

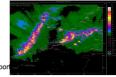
Valley runoffs were also witnessed in parts of UAE.

O Rain gauge network

Early warnings were issued by National Center of Meteorology.

National center of meteorology use two types of automatic rain gauges

From climatological perspective there is a second memorable episode of great significance was on 18 March 2002 Maximum wind gust reached 183.3 km/h was reported at Abu Dhabi Airp



O Major Recent rainfall-related disaster. Cont'd















6





Rain gauge network Cont'd.





Weather radar has become an increasingly important tool for measuring the spatial

Radar provides detailed information on the time and space distribution of rain and can be particularly valuable for heavy rainfall .









