

**JMA/WMO Training Workshop on
Calibration and maintenance of Meteorological instruments in RA II (ASIA)**

Technical summary report – sultanate of Oman

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Summary

In Oman we have quite a number of automatic and semi automatic or manned stations spread out around the country.

In these stations we mainly monitor the following parameters: Ambient air temperature, humidity, wind speed, wind direction, barometric pressure, precipitation, ground temperature, present weather sensors in some weather stations.

Our technical center is based at Muscat international airport.

The number of technical staff has been seven persons for quite a long time. We have recently received nine new technical e staff.

We also have a small technical center in the southern region of Oman at Salalah which is mainly responsible for stations in that area.

Since Oman is mainly a desert terrain with mountainous, sand, and wadis, rainfall is very scarce.

The eastern side is mainly sea shore. Due to high temperature, humidity and dusty winds the weather sensors are greatly affected at most weather stations especially those based at the coastal areas.

Due to severe weather conditions and mainly in summer we do visit our stations on routine basis for maintenance, repair and comparison checks to make sure units are up to date and accurate.

Units with major faults are brought to workshop at Muscat for repairs.

We currently have calibration laboratory with basic calibration chambers. We are planning to upgrade these in the near future.

Our reference units and travelling standards are sent to centers abroad for calibration checks.

We currently program to install AWS in every wilaya (region), several weather radars and sea wave monitoring systems.