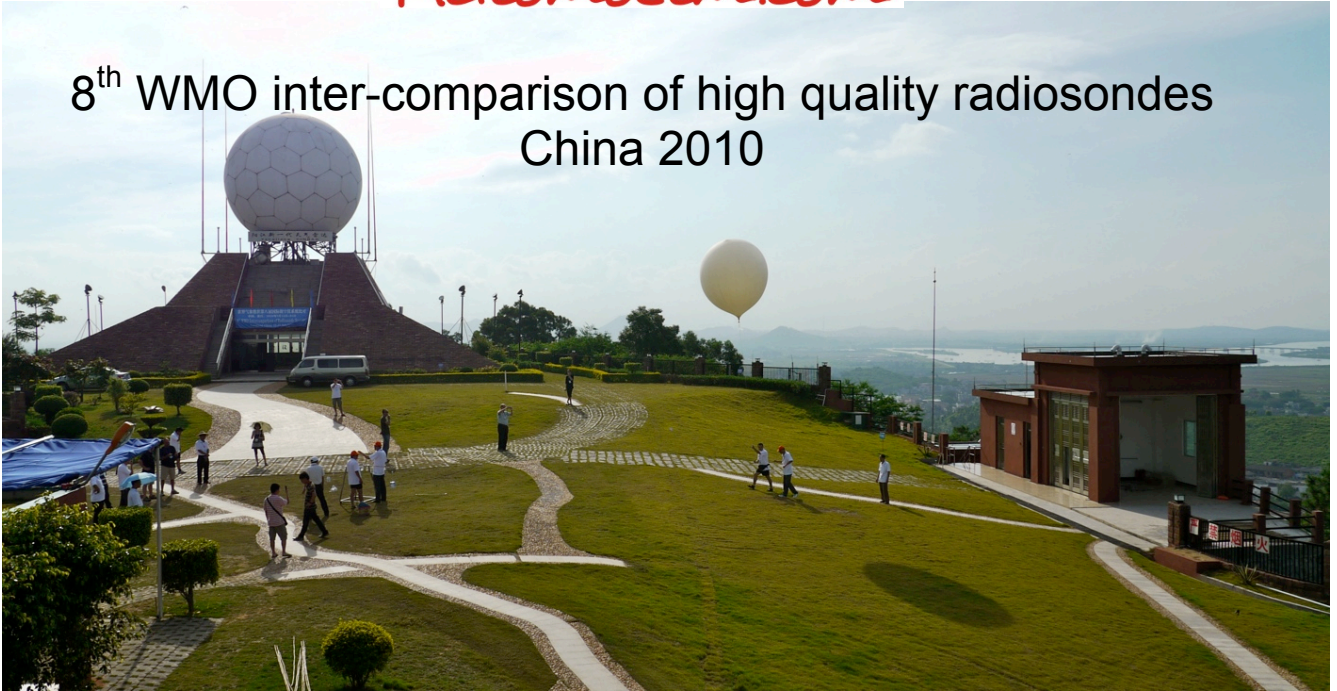


## 8<sup>th</sup> WMO inter-comparison of high quality radiosondes China 2010



China 2010 inter-comparison held in YANGJIANG, (12 July to 3 August), has been attended by 11 manufacturers. MeteoModem is ranked at the third position among high quality radiosondes (QRS) with an average mark of 4.79 out of 5.

Final report of this inter-comparison with complete detailed results is now available on WMO website at the following URL: [www.wmo.int/pages/prog/www/IMOP/publications-IOM-series.html](http://www.wmo.int/pages/prog/www/IMOP/publications-IOM-series.html)

Tropical meteorological conditions during the test period have been particularly interesting and challenging with very high relative humidity, heavy rain and severe wind related to Conson and Chanthu cyclones, which hit Southern China at the time of the inter-comparison. These tests performed both during daytime and nighttime have demonstrated the reliability and high quality performances of the M2K2-DC radiosonde. Moreover, radio transmission and data availability went perfectly despite of stormy conditions.

Thanks to the large amount of information acquired during the tests under such tropical conditions, we learnt a lot particularly on relative humidity measurement. According to lessons acquired, we have worked out a new strategy already implemented on our incoming new products leading to significant improvement of humidity measurement in better compliance with GRUAN specifications. The new humidity sensor design prevents solar radiation effects on the sensor making radiative correction needless.

	Vaisala	LMS	Modem	Changfeng	Graw	Meisei	Intermet	Jin yang
Temperature	5.00	5.00	5.00	4.75	4.44	4.56	3.94	4.13
Humidity	4.88	4.81	4.06	3.94	4.63	4.19	3.94	4.19
Altitude	5.00	5.00	5.00	5.00	5.00	4.50	5.00	4.63
Pressure	5.00	5.00	4.88	5.00	4.50	4.38	4.38	3.88
Wind	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Average	4.98	4.96	4.79	4.74	4.71	4.53	4.45	4.36
Ranking	1	2	3	4	5	6	7	8

