

# The progress of Xilinhot site

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# Outside support

- Invited Dr. June to CMA, offered a presentation for GRUAN
- Utilized an opportunity of the international meeting held in Beijing, a team leading by Mr. Zhangwenjian visited our center
- Frequent email communication with Dr. Holger for technical discussion

All the assistance are highly appreciated, which have push my jobs forward!

# New progress

- Test 2 type new radiosonde, based on L band surface radar
  - With small bead temperature sensor and E+E humidity capacitance sensor
  - From Shanghai and Daqiao differently

Hopefully one of which will be potentially put into operation in 2013

# New progress

- Formal task for Xilinhote GRUAN has been sent to our center for the year of 2013, this means:
  - Official support from CMA headquarter and provincial meteorological bureau
  - Clear target-finish GRUAN aims during this year
  - Potential financial support for future development

I am not alone anymore!

# New progress

- For Xilinhot
  - Has become one of our center's test bed
  - New instrument test will be tested at Xilinhot site, especially BEIDOU radiosonde systems
  - Other integrated experiment

Meet GRUAN target( operational and scientific)

# New progress

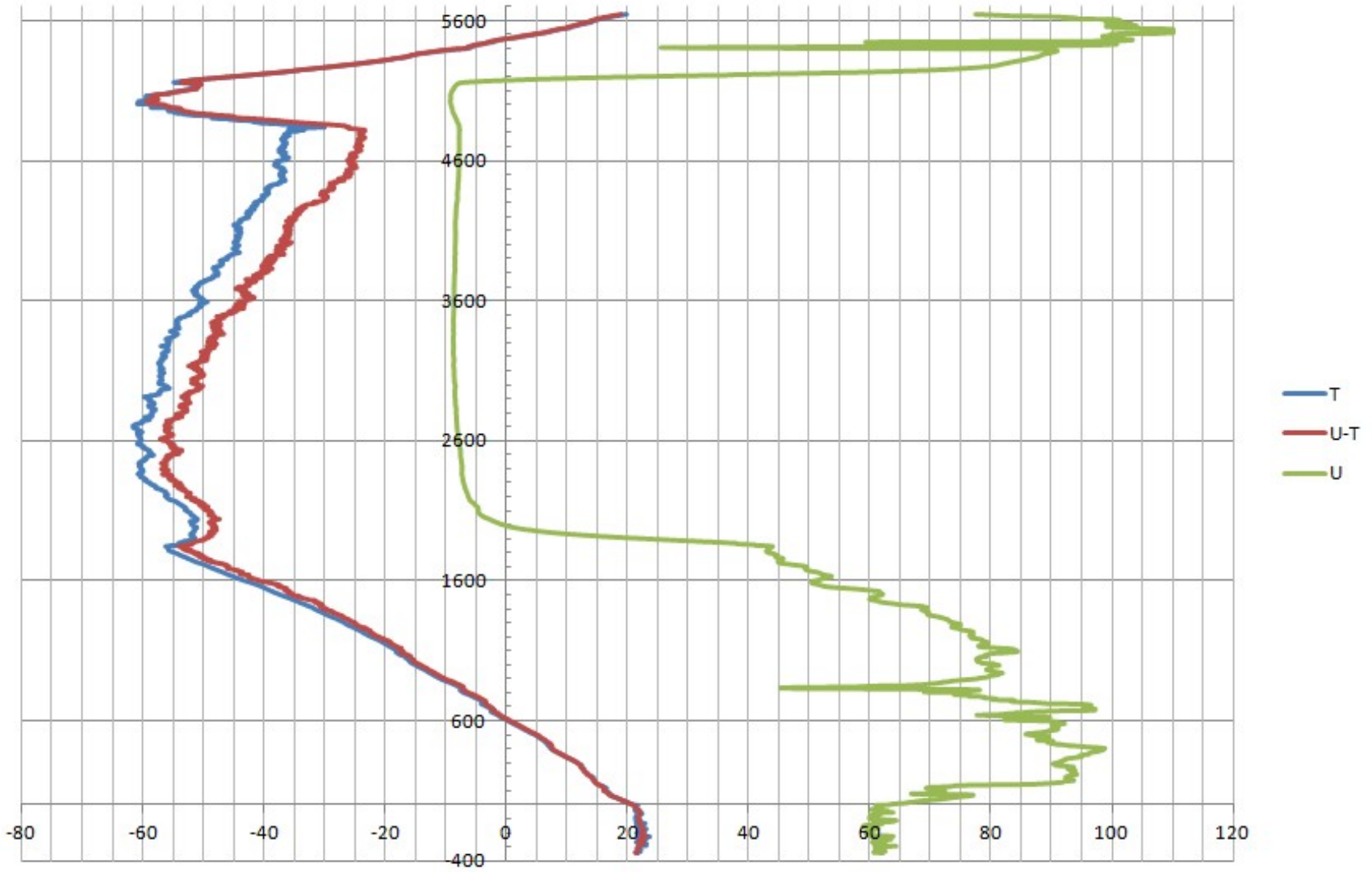
- The latest research for radiosonde



Enlarge the cap to 14mm



Place extra T sensor in the cap



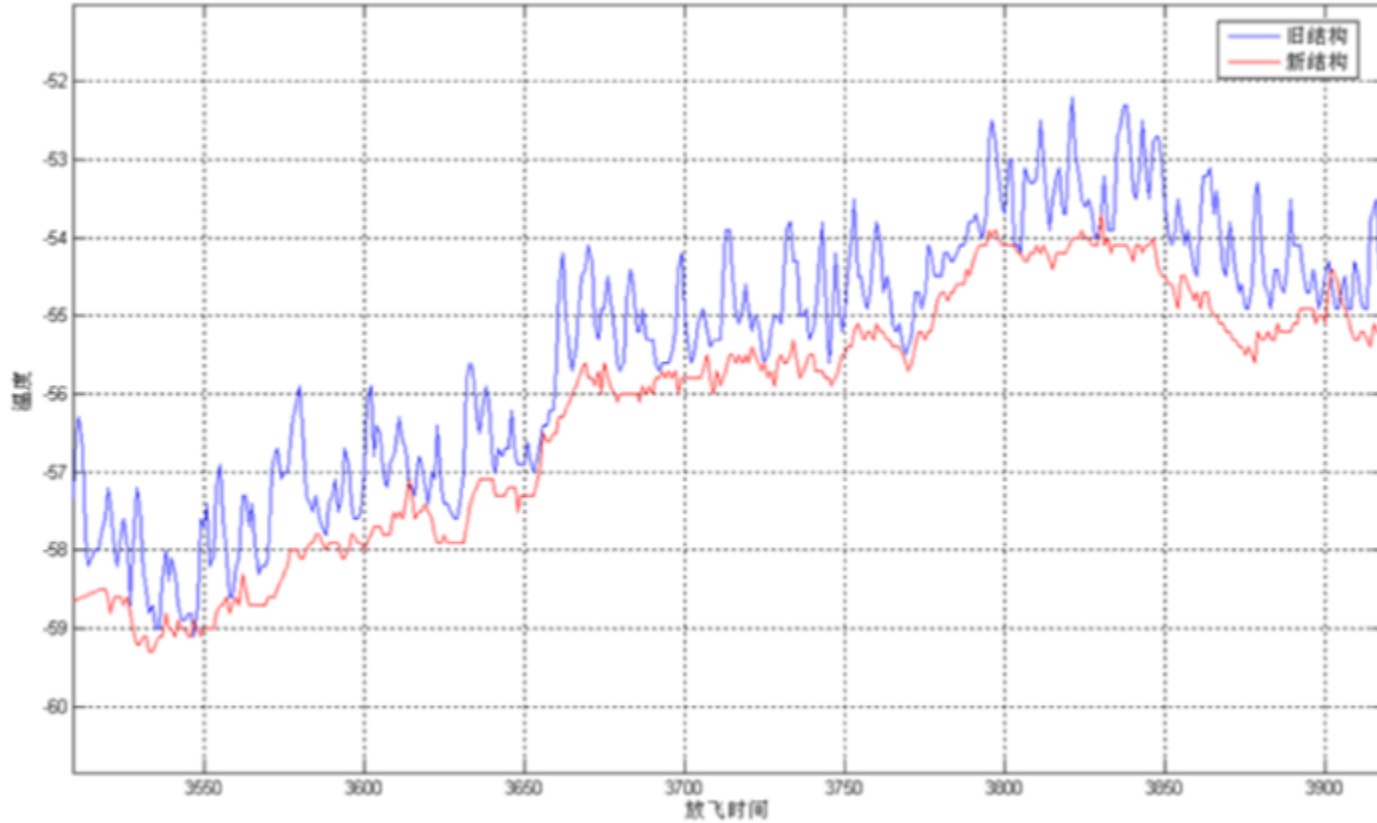
Initial test result( obvious T difference of outside and inside cap)





Different T sensor structure test

新旧结构探测数据对比



More smooth T data can be achieved

# Future plan

- Submit a working schedule to CMA as plan
- Choose a suitable radiosonde system for Xilinhot
- In association with manufacturer, with the help of Lead center, begin the research of uncertainty
- At the end of 2013, send the required data to GRUAN

**Better late than never!**