

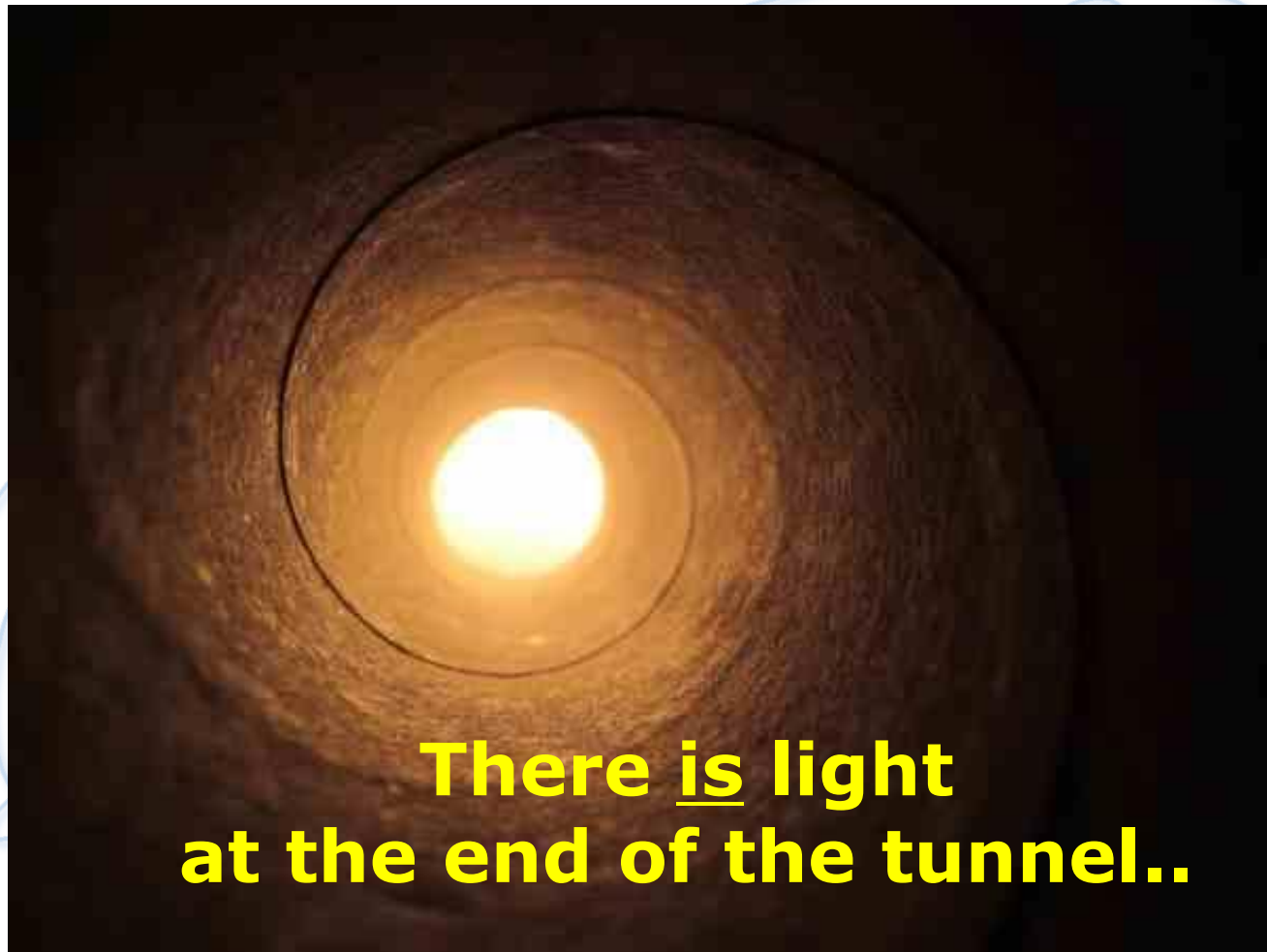
News of CCT-K8

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CCT-K8 Dew Point Temperature 30 °C to 95 °C

- **The never ending story?**
- **Protocol**
- **Progress**

The Never ending story....?



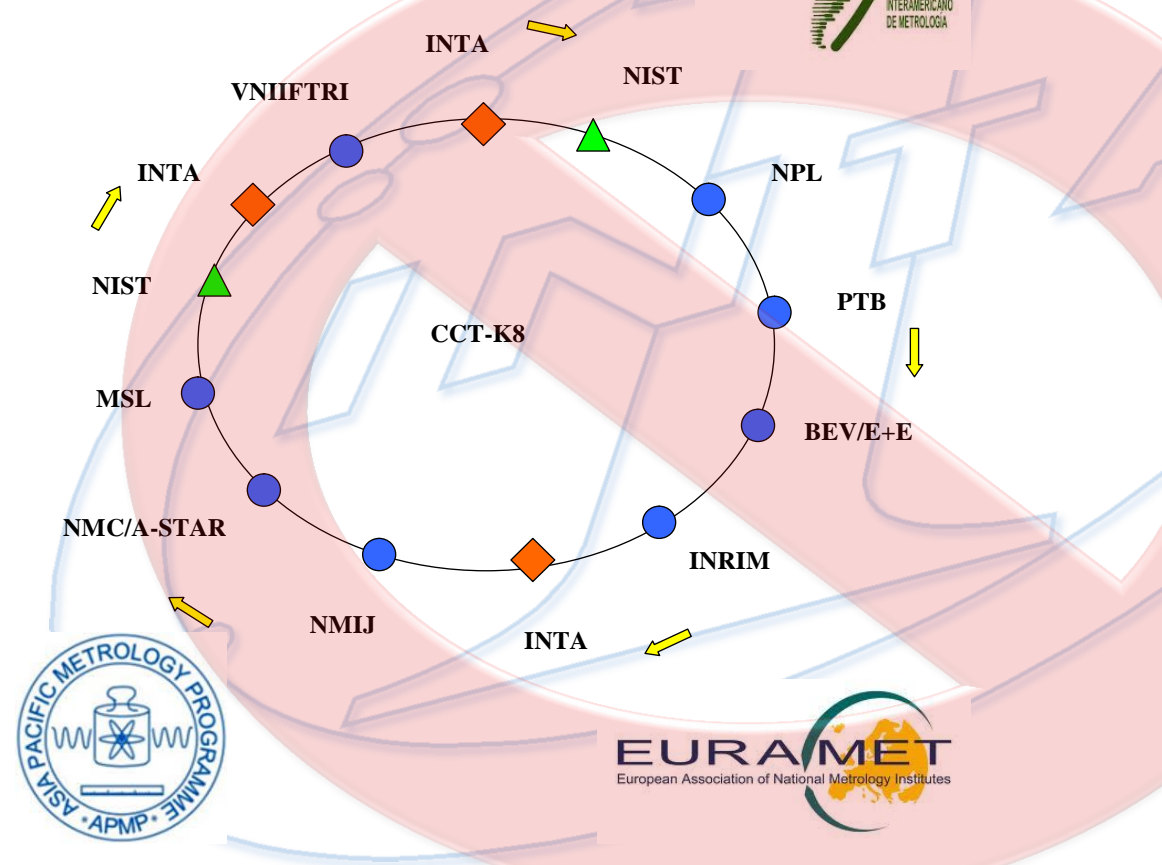
**There is light
at the end of the tunnel..**

Special delivery...



CCT-K8 Original Circulation Scheme

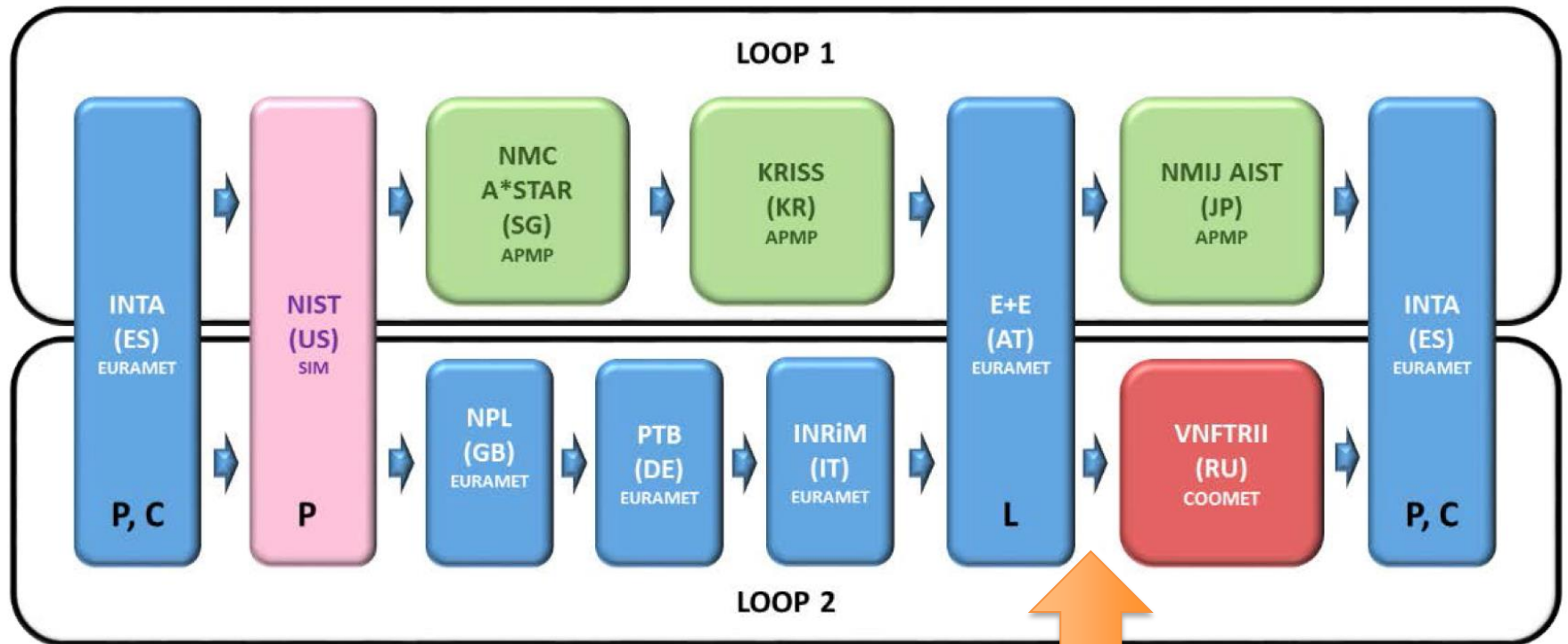
COOMET



- **Ten participants.**
- **One Loop**
- **Pilot INTA. Co-pilot NIST.**
- **Support from BEV/E+E & MBW.**

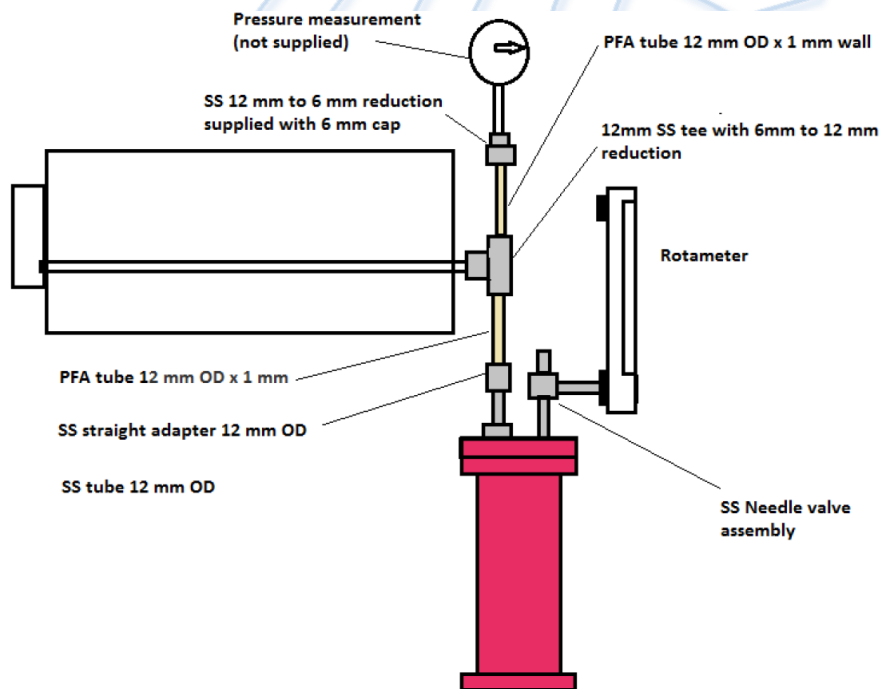


CCT-K8 Dew Point Temperature 30 °C to 95 °C



Additional set of reference values completed at INTA on 26th May

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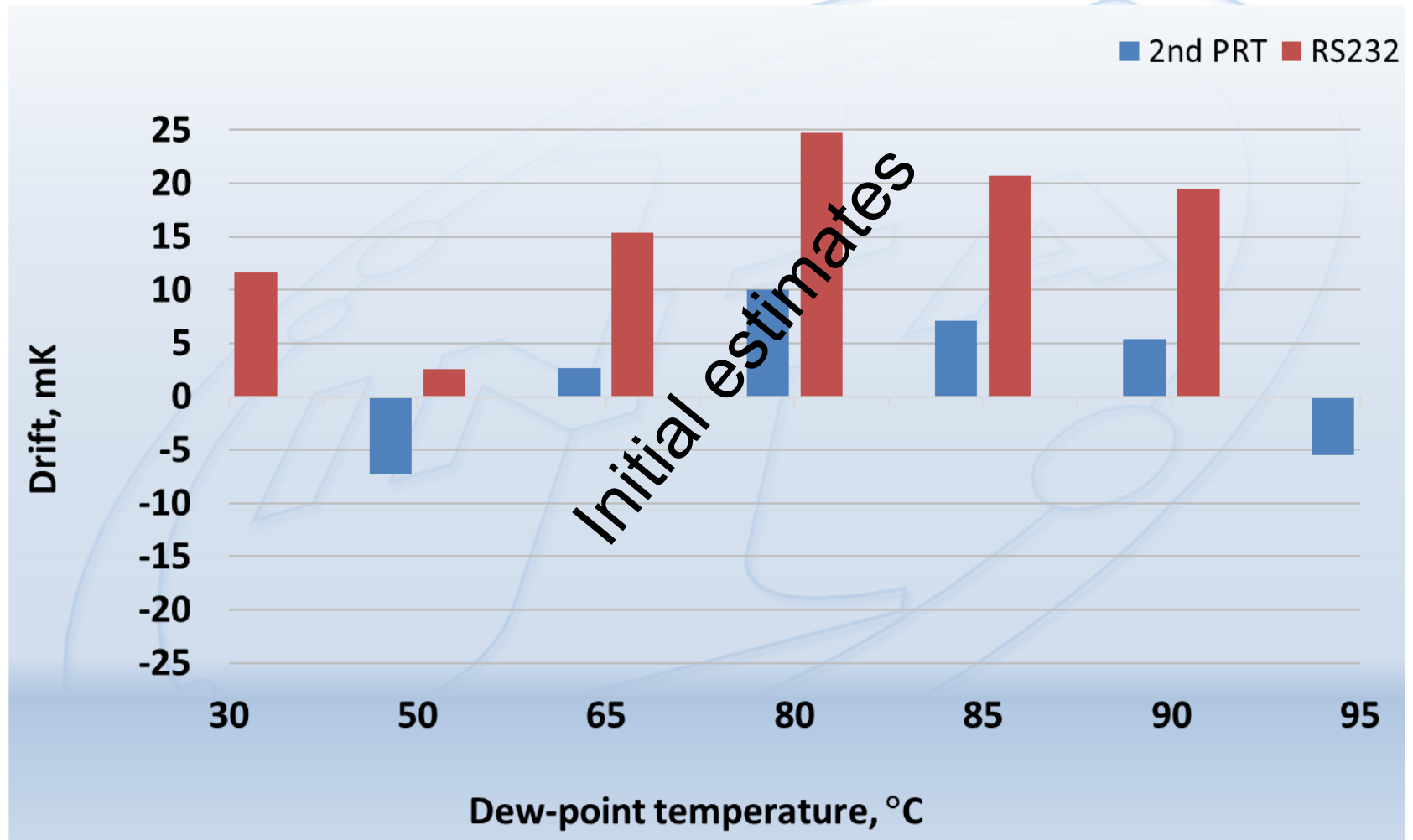


- Ten participants.
- MSL (NZ) > KRISS (KR)
- Pilot INTA. Co-pilot NIST.
- Support from BEV/E+E & MBW.
- Prior calibration & selection of mirror sensors by INTA & NIST.
- Protocol approved. Some discussion on realization.
- INTA1 measurements Sep. 16
- NIST measurements Nov. 16
- INTA2 measurements May. 17

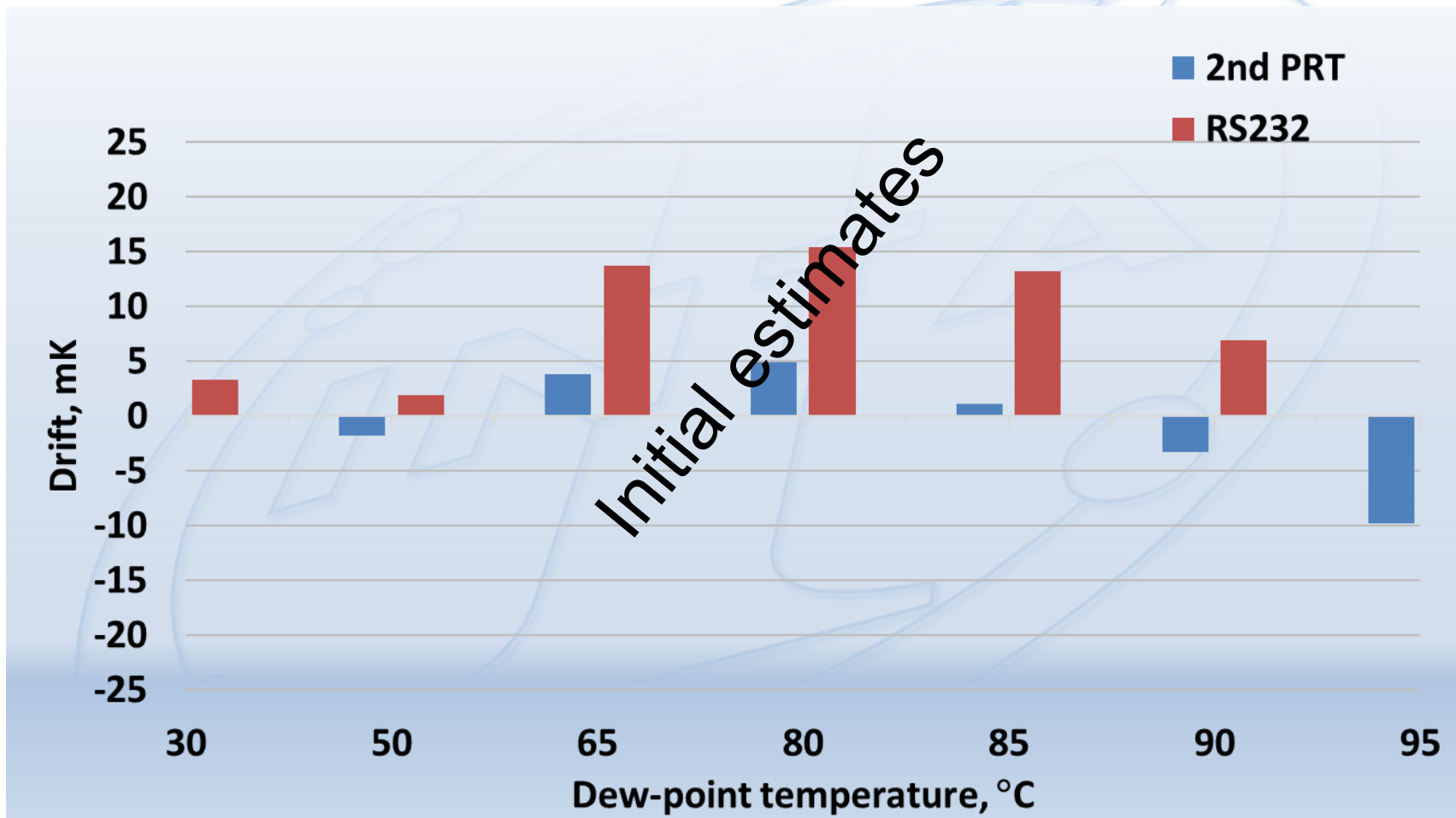
INTA2 measurements completed.

Shipment to last labs expected 01st June 2017

Drift Loop1: 373HX SN: 08-1215



Drift Loop2: 373HX SN: 08-1216



SUMMARY

CCT-K8 Dew Point Temperature 30 °C to 95 °C

- Instruments had complete overhaul at MBW
- Characterization of transfer standards completed Oct 2016
- New circulation pattern. Two loops - one instrument each.
- Protocol approved by CCT WG-Hu and WG-KC
- Co-pilot NIST measured both instruments Nov 2016
- All laboratories have collaborated excellently in keeping to the schedule.
- Despite all efforts, there were several problems with ATA carnet usage....
- Instruments have had some minor problems that have been fixed on site by MBW (No effect on 2nd PRT measurements!)
- Endoscopes have shown some ingress of water and are to be substituted for a new improved high-temperature model.
- Second set of INTA measurements shows no appreciable drift on instrument 2nd PRTs within reproducibility (< 10 mK).
- Additional stop at INTA for drift check, sort out ATA Carnet issues and perform maintenance.



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