

CONCORDIASI Special Observing Period and beyond



Observations:

- Radiosondes / dropsondes (Andrea, MF, CNES)
- AWS (Andrea, AMRC, CG...)
- DC boundary layer (CG)
- DC / CP Precipitation / accumulation (CG)
- IASI!!!

Meteorological analyses / model evaluation:

- MF (Florence, Post-doc CNES, CG)
- ECMWF (Post-doc CNES, CG)
- MAR (H. Gallée, Post-doc CNES?)
- LMDZ4?

Radiosondes / dropsondes:

- Dome C: See Andrea (launch when?)
- Dumont d'Urville: See MF (launch when?)
- Drop-sondes: See CNES (launch when, where?)
- Others : GTS (MF?), ECMWF, eventually READER, AMRC

Surface AWS: Standard practice, routine, no specific plan for CONCORDIASI SOP



The CP AWS

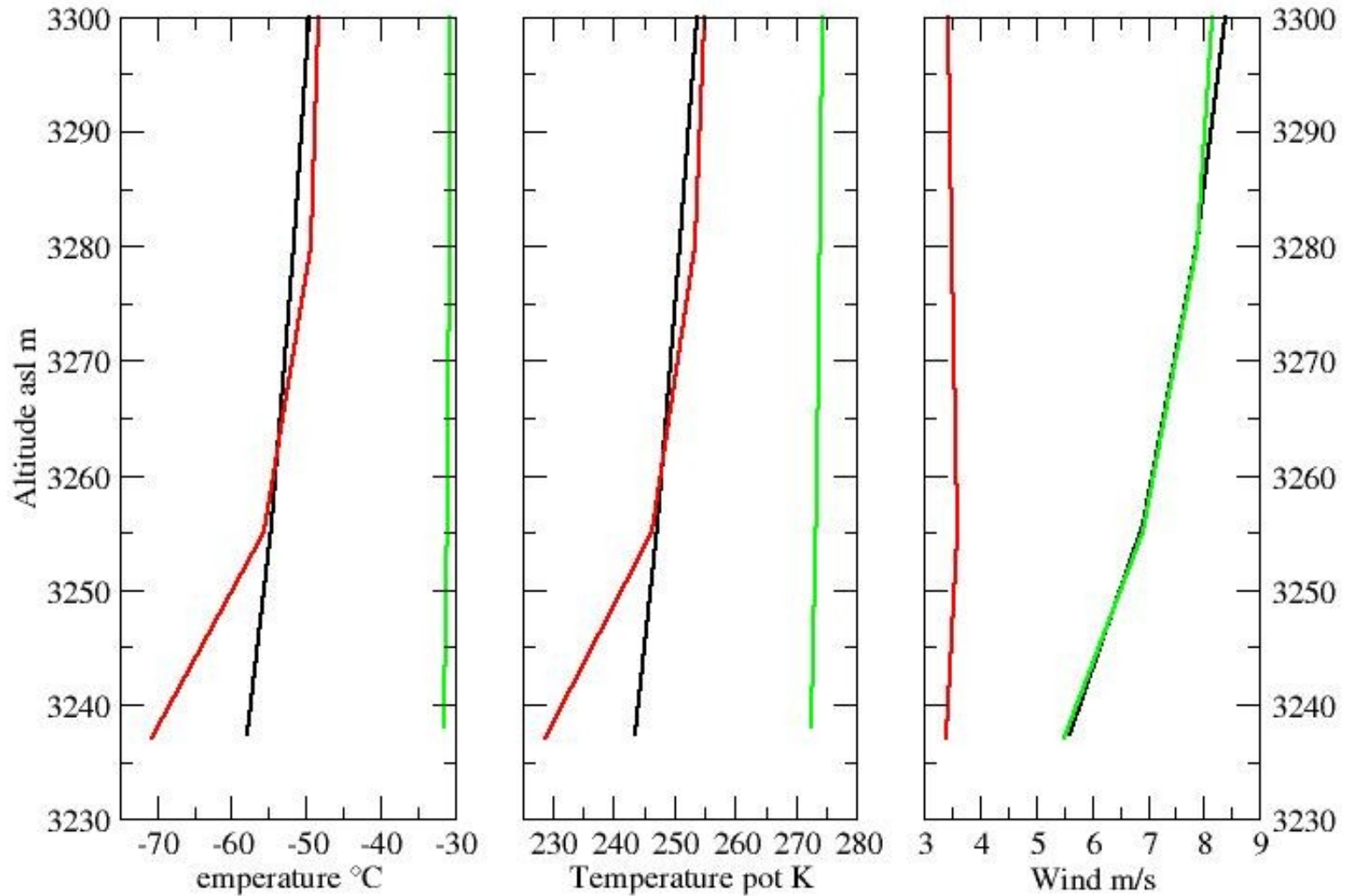
Dome C surface boundary layer



DC tower: a unique opportunity to study / monitor the lower BL

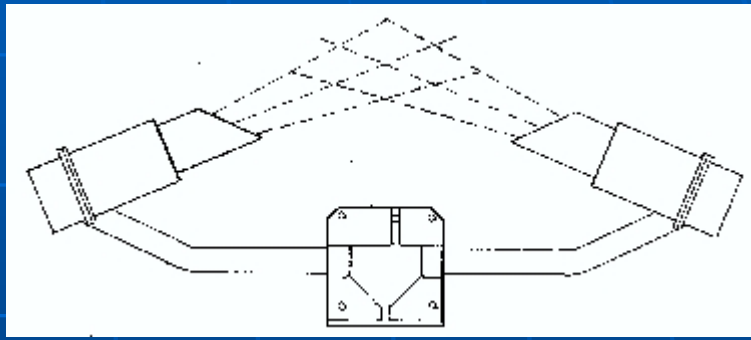
6 levels from surface to 30 (45?) m, classic + sonic meteorology

July-August 2007 (ECMWF, mean/min/max t1)

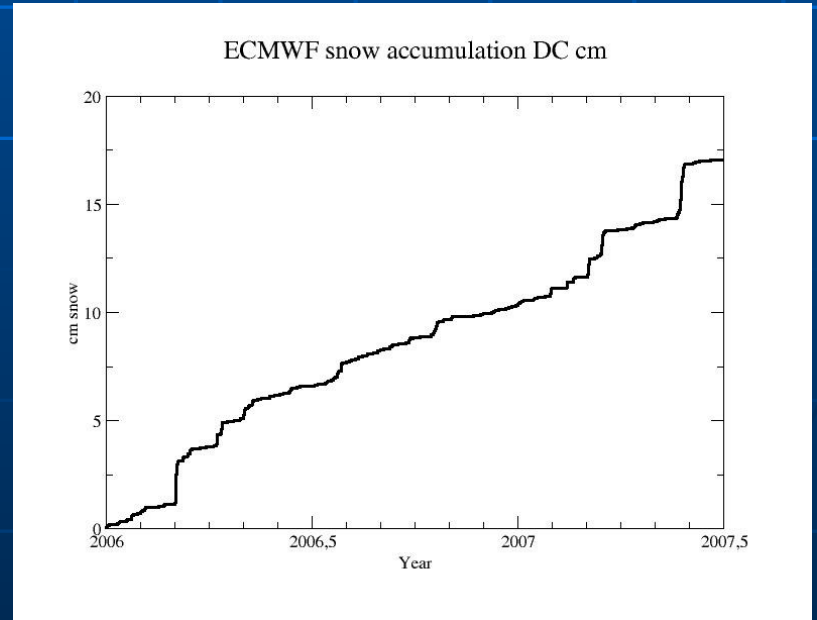


(From ECMWF meteorological

Snow precipitation / accumulation (DC, CP)



Precipitation sensor
+
snow-height sensors



(DC + CP)

Note:

No manufacturer ensures operation under Dome C conditions!

+

Various logistical uncertainties (delivery, energy ...)

Analyses / models evaluation during SOP

- 1) Check if SOP OK
- 3) Hire CNES Post-doc
- 4) Collect data
- 6) Evaluate / validate MF and ECMWF analyses
- 8) Run / evaluate MAR (+ others?)
- 10) Feedback on observations...

Questions:

- How/when do we decide that the 2008/09 SOP is guaranteed?
- How do we decide, operate, request special observations (radiosondes, dropsondes)?
- What happens to radiosondes / dropsondes when grounded (still transmit? For how long?)
- How do we proceed with meteorological analyses (when, where)?
- How do we proceed with data distribution (including, who has access, when and how, can we include GTS...)?