Update from Lauder

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Logistics

• Site funding is stable (and shrinking in real terms)
• Long-term measurements being evaluated (trying to ring-fence them)
• Lauder has 8 full-time staff (4 Sci, 4 Tech)
• Scientific staff has been turned-over, technicians have most knowledge
  (3 Sci & 1 Tech < 4 years @ Lauder)
Instruments

• Ozone LIDAR transition in process
  • RIVM giving ownership to Lauder from July 1, 2017.
  • ESA supporting hardware/software upgrade (Oct.2017 / Apr.2018?)
  • NASA JPL offering technical support and processing software

• U.S. NRL Ozone microwave radiometer being upgraded. Slated for re-installation in 2-3 years...

• New Bruker HR125 for Lauder this year (Arrival Heights replaced too)

• 3 new MAXDOAS to be installed at Lauder, Macquarie Is., Arrival Heights

• All-sky camera systems being developed for cloud studies

• Upgrade of legacy instruments underway (UV radiation, UV/vis systems)
Measurements and Campaigns

• RS41-RS92 dual-intercomparison now an alternating intercomparison
• 2 Lauder systems at CINDI-2 (MAXDOAS intercomparison at Cabauw)
• Dobson NDACC intercomparisons (Lauder and Arrival Heights)
• Staged a parallel Australia-NZ EnviMeS MAXDOAS intercomparison
• NASA SAGE III-ISS validation balloon launches to start soon (TBD)
• OCO-2 regularly targeting Lauder
• NOAA AirCore launches (2/4 successful)
• ATom overpass of Lauder (1/2 successful, 2 more scheduled)
• UAV tests (to 1km) with aerosol sensors ahead of Antarctic voyage
• NZ Aviation authorities slow to approve return glidersonde launches
Thanks!