

Agenda – First meeting

March 31 – April 4, 2014

Monday AM (starts 9:30)

Introduction to ISSI (Falanga)

Overview and motivation, and how can we get a coherent project structure (Ménard)

BASCOE 4DVar reanalysis. Introduction with a focus on technical aspects (Errera)

Discussion

Monday PM

Theme 1: Study of mesospheric descent of NO_x by chemical DA

- Atmospheric effects of energetic particle precipitation and mesospheric NO_x descent (Orsolini)

- Satellite Observations of Descent of Mesospheric NO_x descent (Perot)

- Winter 2008/2009 BASCOE run (Errera)

- What happen in practice when we assimilate in presence of model error (Ménard)

Discussion

Theme 4: Polar ozone loss

- Polar ozone loss estimation using data assimilation (Sagi)

Discussion

Clarify the agenda for Tuesday morning

Tuesday AM

(Tentative)

Establish a work plan for Theme 1 and Theme 4

(Technical issues about the reanalysis (Errera))

Tuesday PM

Theme 6: The BASCOE Renanalysis

-Scientific evaluation of the BASCOE reanalysis (Errera)

Discussion. Proposed diagnostics. Who will do the work.

-Lesson learned from chemistry data assimilation with GEM-BASCOE (Ménard)

-Towards the development of error statistics for the reanalysis – some preliminary results (TBD) (Skachko)

- What can we do with tracer-tracer correlations – a short review (Ménard)

Discussion

Theme 2: Radiative impacts with linearized chemistry

- Presentation by van Weele (TBD)

- Presentation by de Grandpré (TBD)

Discussion

Tuesday evening

Diner at the restaurant Kornhauskeller

Wednesday AM

Theme 3: Study of bias between different satellites

SPARC DATA initiative – lessons learned (Hegglin)

Observation error bias – can assimilators do anything with this ? (Ménard and Errera)

Discussion. Proposed work?

Work plan Theme 2

Next meeting

Wednesday PM

Wrap-up Theme 2

Breakout sessions (TBD)

Thursday AM

Workplan and wrap-up of Theme 3

Breakout sessions (TBD)

Tuesday PM

Wrap-up Theme 1

Wrap-up Theme 4

Early finish 3pm. Visit of Bern (ex. Einstein house)

Friday AM & PM

Workplan and wrap-up – Theme 5

Workplan and wrap-up – Theme 6

Breakout sessions (TBD)