

Benchmarking Workshop

July 1st-3rd Mon-Wed, NOAA NCDC, Asheville, NC

Organizers:

Matt Menne, Kate Willett, Peter Thorne

Potential participants:

Zeke Hausfather, Robert Lund, Colin Gallagher, Peter Thorne, Claude Williams, Matt Menne, Kate Willett, Jared Rennie, Enric Aguilar, Jay Lawrimore, Tom Peterson (TBC)

Monday 1st July

9.00 – 9.15 Welcome to NCDC – Tom Karl

9.15 – 9.30 The International Surface Temperature Initiative basics – Peter Thorne

9.30 – 9:45 The global land surface temperature databank construction and characteristics – Jared Rennie

9.45 – 10.00 Benchmarking working group overview: status and plans update – Kate Willett

10.00 – 10.20 coffee break

10.20 – 10.40 Benchmarking USHCN – Matt Menne / Peter Thorne / Claude Williams

10.40 – 11.00 Developing additional US benchmarks – Zeke Hausfather / Matt Menne / Claude Williams

Start teleconference/webex:

11:00 – 11:10 Morning round up – Kate Willett

11:10 – 11:30 Team Creation progress – Robert Lund

11:30 – 12:00 Team Creation discussion – what to focus on while here, make some decisions

End teleconference/webex

12.00 – 13.30 Lunch

13.30 – 13:40 Call progress summary – Kate Willett

13:40 - 16.30 Break into groups to work on various aspects as deemed necessary with very important coffee break 14.30 -14.45

16.30 – 17.00 round up – where have we got to and plans for remainder of workshop

Tuesday 2nd July

Start teleconference/webex:

9am – 10am: catch up by phone / webex with benchmarking WG participants

9:00 – 9:10 – Kate Willett summary of day 1,

9:10 – 9:30 - Intro to Team Corruption/error worlds lead by Victor Venema and Claude Williams

9:30 – 9:40 – Kate Willett summary of the regional inhomogeneity info collected

9:40 – 10:00 – Team Corruption discussion – what to focus on while here, make some decisions

End teleconference/webex

10:00 – 10:30 – coffee

| 10:30 – 12: 00

Team Corruption talks and discussion – need to cover seasonal cycle - break into groups to work on various aspects as deemed necessary

Error models concept should be finalised by now so we should be working on how we physically create and apply the different error models focussing on each type of inhomogeneity to be applied (mimic a station move or shelter change? Physically derived changes using a GCM or statistically derived changes to mean and variance based on best assumptions of distribution/behaviour). Others could focus on the framework for making the error models available or writing up what has/will be done.

12:00 – 13:30 lunch

13:30 – 13:40 – Kate Willett (and all) – summary of where we got to before lunch

13:40 – 16: 30 (coffee 14:30 – 14:45) – carry on where we left off:

How to apply seasonally varying changes?

How to apply gradual changes?

How to package up the error world data?

Instructions on how to come and play (will need input from Team Validation too)

16.30 – 17.00 afternoon round up, where are we and what are we doing tomorrow.

18.00 – 21.00 social event at Matt Menne's house

Wednesday 3rd July

Start teleconference/webex:

9am – 10am: catch up by phone / webex with benchmarking WG participants

9:00 – 9:10 – Kate Willett summary of day 1,

9:10 – 9:30 - intro to Team Validation lead by Ian Jolliffe

9:30 - 10:00 – Team Validation discussion – what to focus on while here, make some decisions (Both validation measurements and what do we want returned to us – stations/grids, dates/size of breaks found?)

End teleconference/webex

10:00 – 10:30 – coffee

10:30 – 12:00 – various groups carry on with Team Validation concepts and also Team Creation and Team Corruption

12:00 – 13:30 – lunch

13:30-13:40 – Kate Willett (and or others) summary of where we've got to – what to focus on this afternoon

13:40 – 15:30 (14:30-14:45 – coffee) – carry on – nail down concepts and code, where are we, where are we going now.

15: 30 – 16:00 – Wrap up