Planned analysis writing efforts

Stephens

 Overview

 APO (+CO2?) CA (+ whole campaign ratio?) (+ M-theta?)

Morgan / Keeling

 O2:CO2 BL ratios (+ whole campaign ratio?)

 +? (M-theta?)

Long / Whitt

 O2 / CO2 relationships in model (butterflies? Variability decomposition?)

* Ocean BL physics?

Bent

 PSA seasonal cycles (+ ICP)

 + Ar?

Hoecker-Martinez

 1-2 day Lagrangian (plus interactions with reactive gas efforts)

 Whole campaign Lagrangian CO2 and O2

Kort

 Flux variability

 N2O? BL (+ strat / trop - Cindy Nevison, Elliot, Sue)

McKain / Sweeney

 Summertime SO CO2 sink - CT-NRT and box model

 Large scale transport wrt jet (in synthesis paper?)

Dierssen / Randolph

 Copied from Heidi’s talk:

Algorithm papers
Chl, PIC, PFT, Chl
Phytoplankton characterization
Assessing Palmer Grid flux across 2 lines
Working with David Munro coupling flux to Phytoplankton
Linking to SOCCOM Bio-argo floats

Apel / Hornbrook / Asher / Gordon

 Super-reactive biogenic gases

 ORCAS+ATOM (+CONTRAST?) medium lived gases

 VSLSs, Bromoform v. O2

Atlas / Schauffler

 Multitracer mixing constraints

 Relationships to Chl

 HIPPO contribution to Apel

 Alkyl Nitrates

Diao / D’Alessandra

 RH wrt ice

Cloud microphysics - WRF / Chem

Gettelman

 Simulations to support detailed cloud analysis (Diao, etc)

 Sensitivity analysis of mixed phase and ice cloud microphysics

 Comparison to CESM clouds

Jensen / Stith / Toohey

 precursor to SOCRATES for

ice and water budgets for various cloud types

pysical processes (ice multiplication, Jorgen's giant aerosol) responsible for precipitation formation

Sweeney / Atlas / Apel

CO2, CH4, CH2Br2, +

 CH4 => OH

 CH2Br2 => vertical mixing timescale (or CH3NO3)

 Residence time => CO2 flux

0 - Need to decide on Chl product most of use for STILT (time and space)

0 - Which effort(s) report large scale CO2 sink?

 CO2 sink Team formed - self association

 1-d box model calc (CS, KM)

 Compare CESM to CT to Tak to Lanschutzer to SOCAT (MCL)

 Run climatological fluxes fwd through CAM (MCL)

 Tuning the dial calc (CS KM)

 Short box Curtain Average calculation - calibrate to SNI using model(s) (BBS)

 STILT inversion (Kort/M-H)

0 - Desire to meet at AGU or in the following year? Telecons?

AGU dinner

Meet next year

Loose ideas

 Chemistry / chemicals far from sources (CH4 loss, Cl sink constraint, -CFC strat tracer?)

0 - get ballpark lifetimes for BL, mid-trop, and t’pause for handful of key transport tracers