

# North American Carbon Program Site-level Interim Synthesis Model Data Comparison (NACP Site MDC)

# NACP Site MDC

**“Are the various measurement and modeling estimates of carbon fluxes consistent with each other - and if not, why?”**

- Simulated vs. observed flux at ~30 flux towers
- Other obs: biomass, soil temp, snow depth, etc.
- Quantify biases & uncertainty (models & data)
- All modelers invited

# Background

- NACP Interim Synthesis Activities
  - Site MDC
  - Regional and continental
  - Mid-Continent Intensive
- Site MDC Organizer: Peter Thornton (NCAR)
  - Kevin Schaefer (NSIDC)
  - Ken Davis (Penn. State)
  - Bob Cook (ORNL)
- <http://nacp.ornl.gov/mast-dc/>

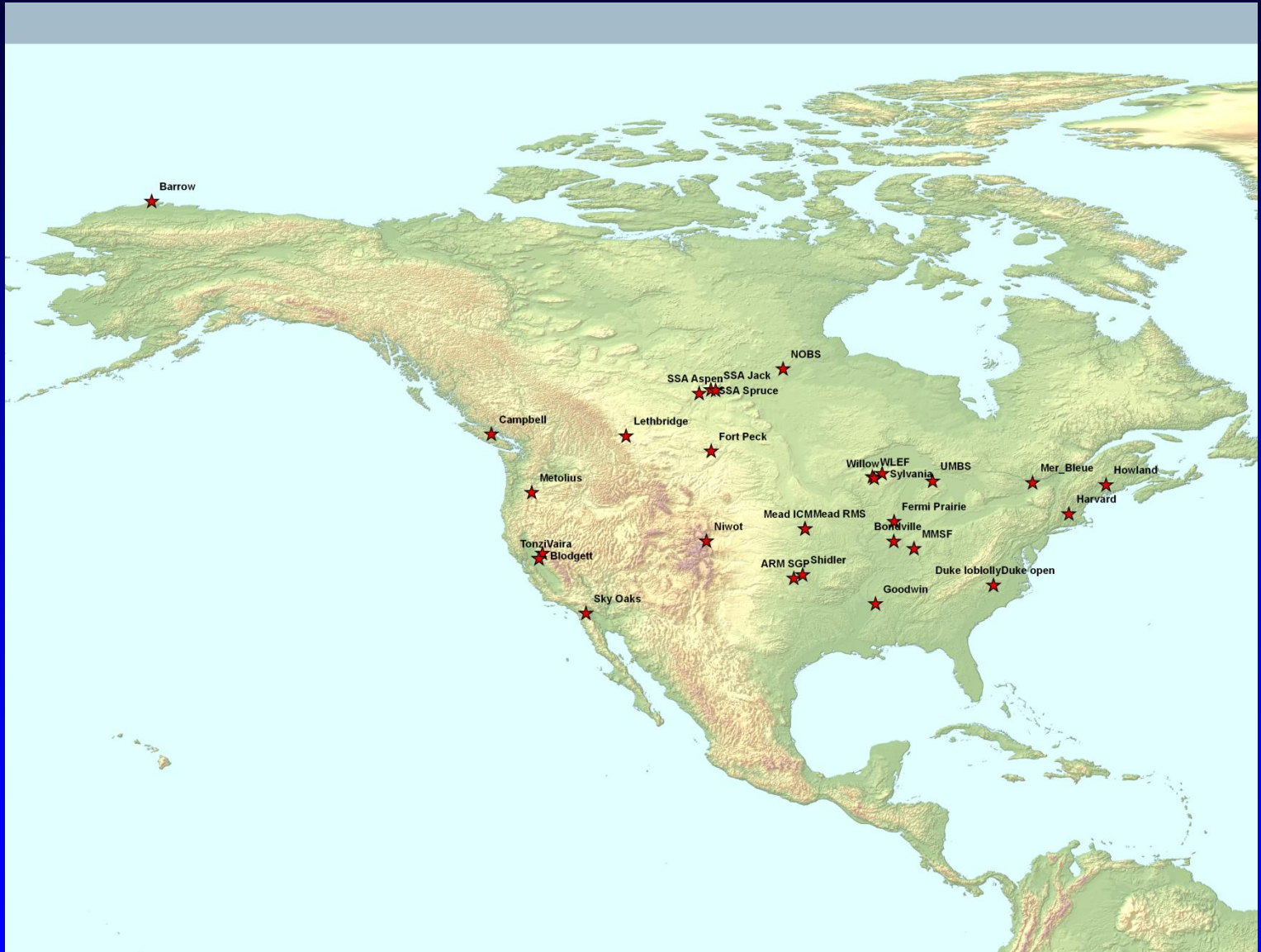
# Protocol based on LBA MIP

- ALMA compliant, netcdf input/output
- Gap-filled weather and GIMMSg NDVI
- Tower PIs quantify flux uncertainty
- Fair Use Policy
- Infrastructure: web & FTP sites, email servers  
<http://nacp.ornl.gov/mast-dc/>

# Schedule

- July 15, 2008:
  - Finalize site list
  - Driver data, site info, phenology
- September 1, 2008: submit model runs
- October 2008: workshop
- February 2009: NACP All scientist meeting

# AmeriFlux & Fluxnet-Canada Sites



Kevin Schaefer  
303-492-8869  
kevin.schaefer@nsidc.org