Mike's journey to contribute to a paper on

CONCEPTUAL MODEL OF A SOLAR FORCED HYDROSPHERIC MANIFOLD

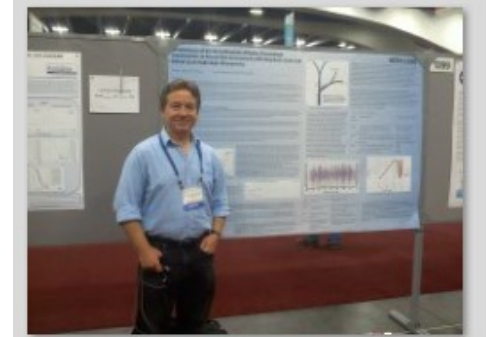Mike's draft Halloween 2023

Before 2012

- Hydroclimatologist

- **Expert witness for indigenous communities**

- **Public Community Artist**

- **Paid by Feds to find problems with climate models**

PERCEPTIONS ABOUT WALLACE CHANGED BY AGU AND UNM, not by Mike

After 2012

- **Naysayer**

- **Denier**

- **Right Supremacist**

- **Penalized by Feds for finding problems**

Mike's draft, Halloween 2023

20111206171424

MannScene

Oreskes_1_Color001

AGW Positions & Practices

•SOLAR forcing is a constant, so it doesn't account for any climate change.

•ENSO a natural phenomenon, NOT caused by SOLAR

•Temperatures driven by ENSO, CO2, Ozone

•Floods & droughts driven by CO2

•Fires driven by CO2 (Complexity Science)

•There is an Ozone Hole and it is caused by CFCs,
•   So Temperature also driven by CFCs

•UN IPCC global circulation models constitute the necessary and sufficient evidence
        •Because they model everything so accurately

Mike's draft Halloween 2023

El Niño   La Niña

Sea Surface Temperature Anomaly (°C)
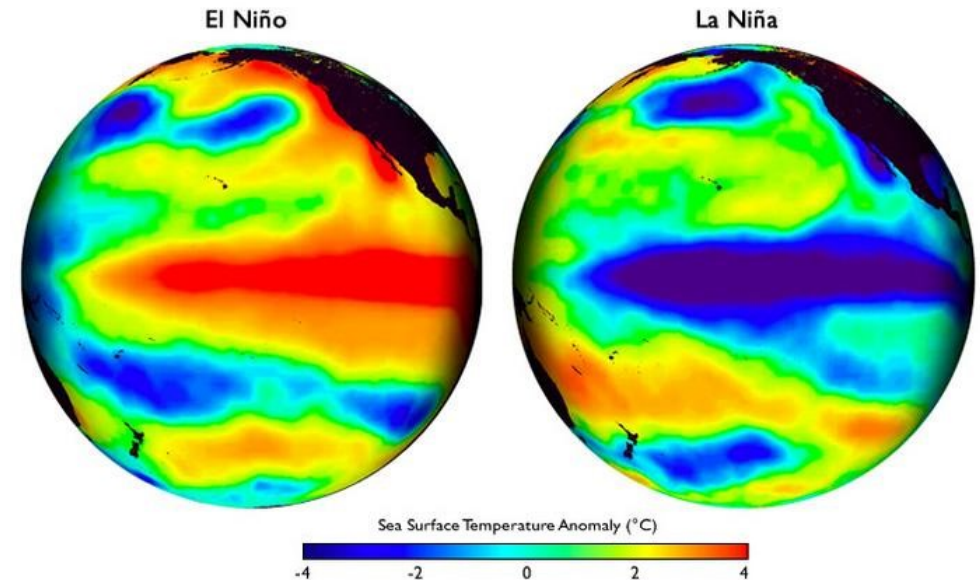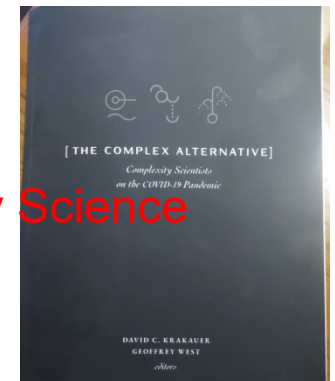
-4   -2   0   2   4

Image source: Liu T, Gao Y, Song X, Gao C, Tao L, Tang Y, Duan W, Zhang R H, Chen D. 2023. A multi-model prediction system for ENSO. *Science China Earth Sciences,* 66(6): 1231–1240, https://10.1007/s11430-022-1094-0
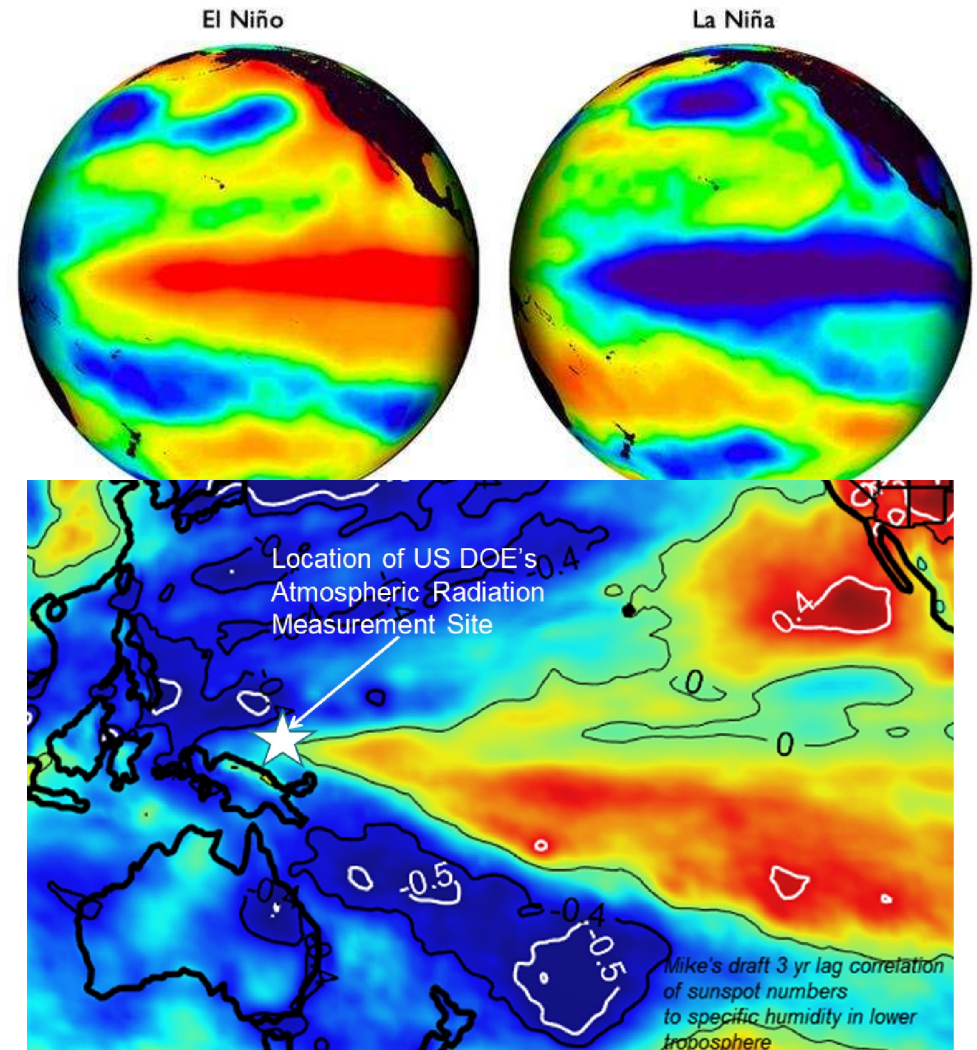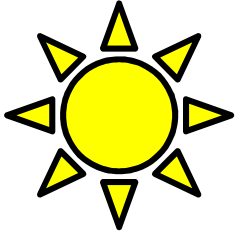
The Washington Post
Democracy Dies in Darkness

This article was published more than 1 year ago

CLIMATE   Environment   Weather   Climate Solutions   Climate Lab   Green Living   Business of Climate

CLIMATE & ENVIRONMENT

Forest Service says it failed to account for climate change in New Mexico blaze

A new report lays out the agency's actions in a planned burn that exploded into New Mexico's largest wildfire in history

By Joshua Partlow

June 21, 2022 at 6:02 p.m. EDT

MOST READ CLIMATE

1   Why many scientists are now saying climate change is an all-out 'emergency'

Complexity Science

[THE COMPLEX ALTERNATIVE]

Complexity Scientists on the COVID-19 Pandemic
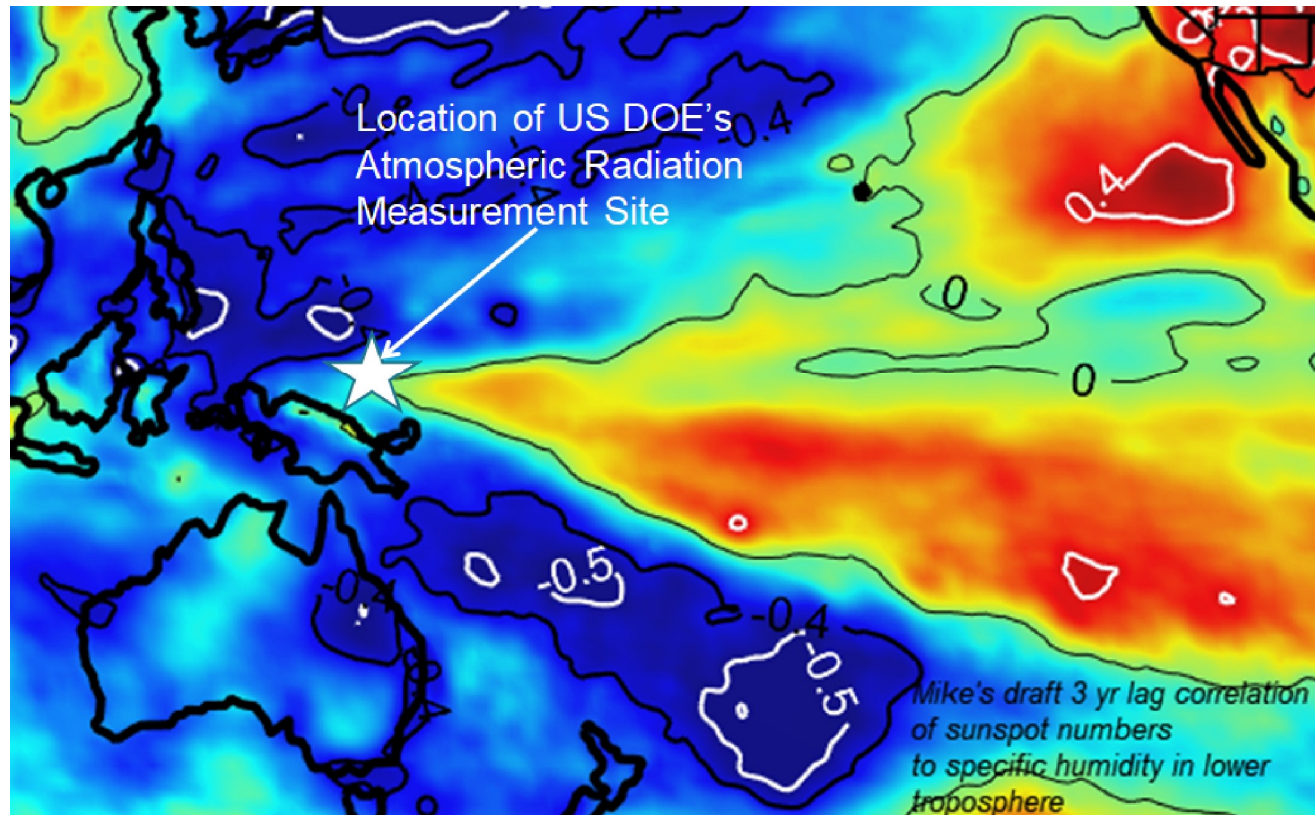
DAVID C. KRAKAUER
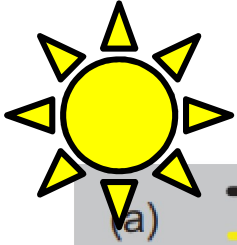GEOFFREY WEST
editors

Mike's Positions & Practices

•SOLAR forcing accounts for most if not all climate change.

•ENSO a natural phenomenon, that is caused by SOLAR

•Temperatures driven by SUN

•Floods & droughts driven by SUN

•Ozone circulation driven by SUN and Moisture

•UN IPCC global circulation models are defective, and the history matching model skill was fraudulent
  •ENSO impacts were pasted into their model results. The models couldn't simulate ENSO, so the results were replaced without full disclosure, to make it appear that model had better skill

•New Exascale models begin to follow Mike's lead, without attribution
  •ENSO impacts no longer phonied up,
    •but no longer featured in model content either
  •Solar now used to drive ozone
    •But not to drive T or atmospheric moisture
•QA/QC still missing from Fed science products that inform Climate Security Policy   Mike's draft Halloween 2023
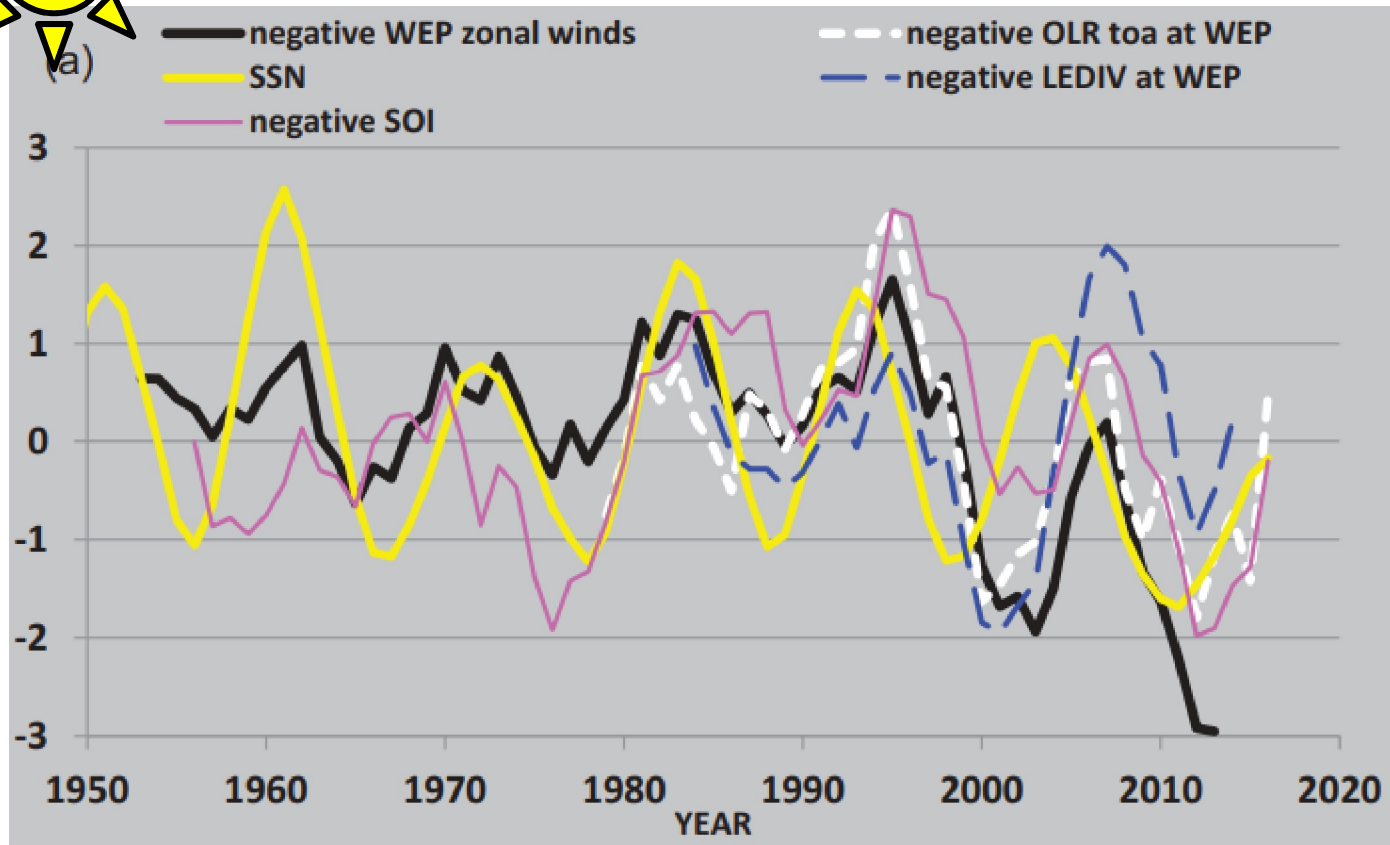

El Niño   La Niña

Location of US DOE's Atmospheric Radiation Measurement Site

Mike's draft 3 yr lag correlation of sunspot numbers to specific humidity in lower troposphere

Solar Forcing of ENSO

Location of US DOE's Atmospheric Radiation Measurement Site

Mike's draft 3 yr lag correlation of sunspot numbers to specific humidity in lower troposphere

Mike's draft Halloween 2023

Solar Forcing of ENSO

(a)

Legend:
- negative WEP zonal winds
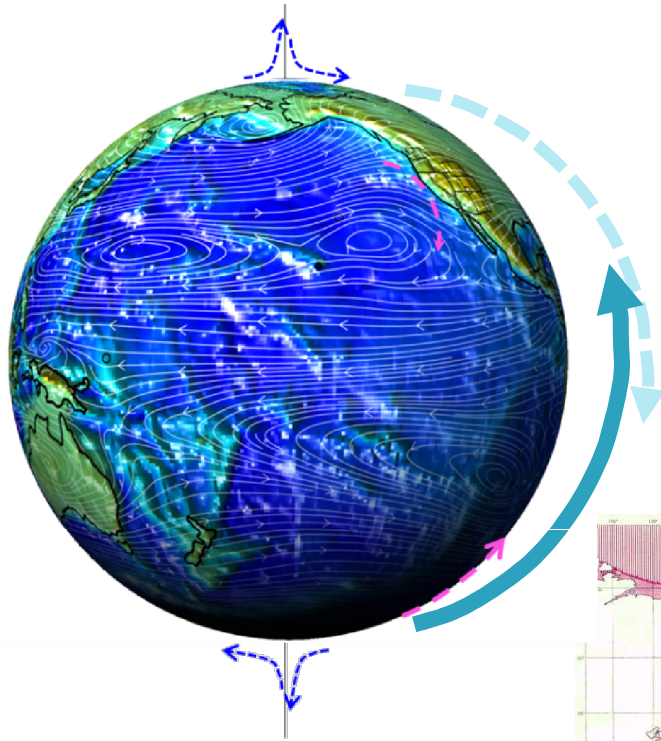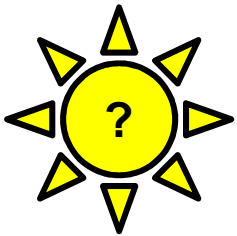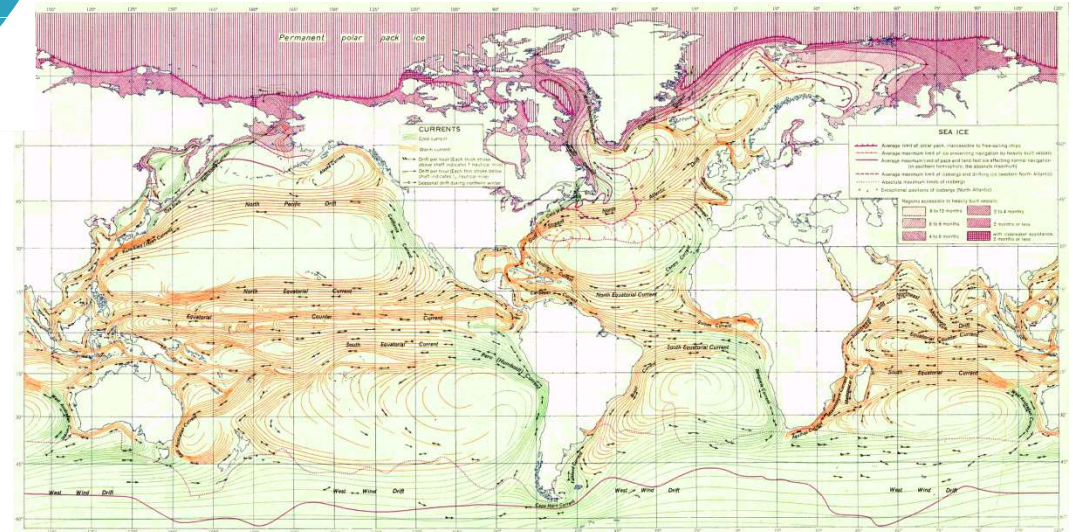- SSN
- negative SOI
- negative OLR toa at WEP
- negative LEDIV at WEP

Wallace, Michael G. "Application of lagged correlations between solar cycles and hydrosphere components towards sub-decadal forecasts of streamflows in the Western USA." Hydrological Sciences Journal 64, no. 2 (2019): 137-164.
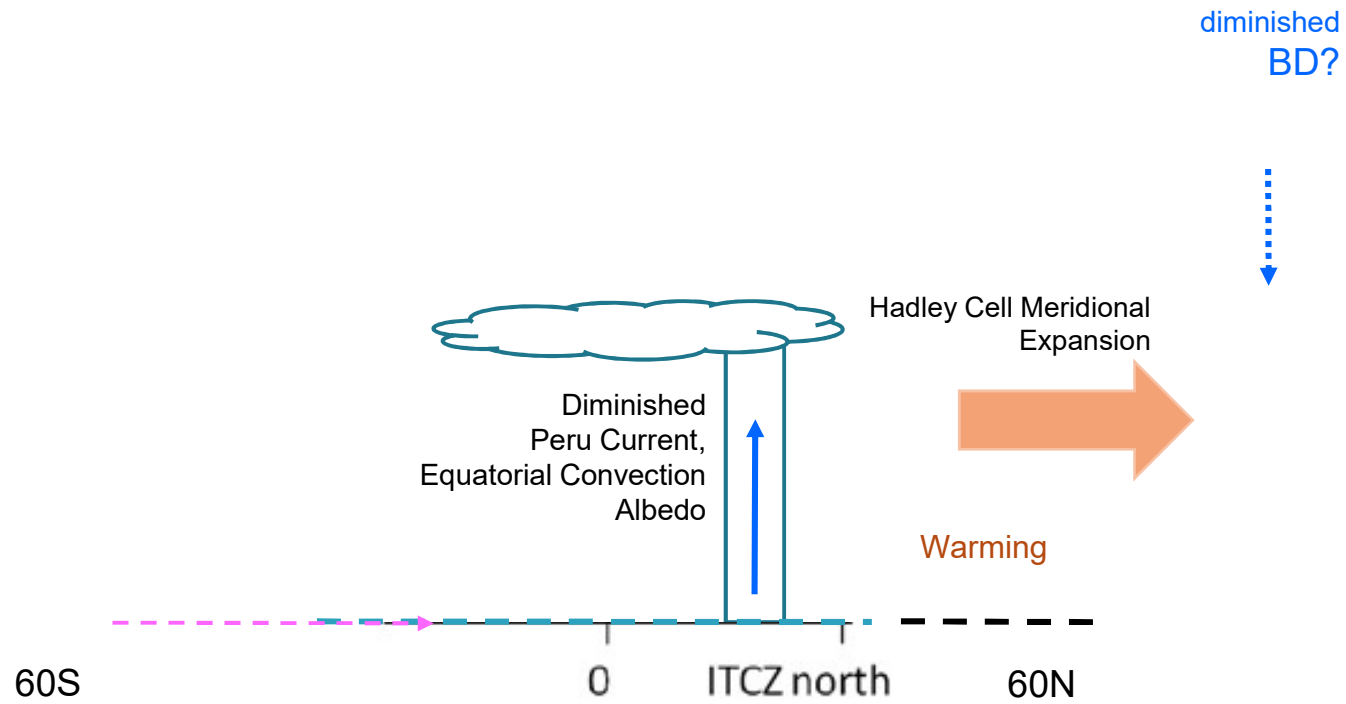
Mike's draft Halloween 2023

Solar Forcing

Equatorial Convection
Hadley Expansion / Contraction
Brewer Dobson shift
Peru Current

Mike's draft Halloween 2023

High
TSI

enhanced
BD?

Enhanced
Peru Current,
Equatorial Convection
Albedo

Hadley Cell Meridional
Contraction

Cooling

60S

0   ITCZ north   60N

Mike's draft Halloween 2023

Low
TSI

diminished
BD?

Hadley Cell Meridional
Expansion

Diminished
Peru Current,
Equatorial Convection
Albedo

Warming

60S   0   ITCZ north   60N

Mike's draft Halloween 2023

Temperatures trend in opposite directions from north pole to south pole. *No one cares*.

Mike's draft avg full atmosphere thickness temperature trend derived from UCAR source. Red warming Blue cooling over period 1979 thru 2014

Mike's draft Halloween 2023

Top

Bottom

Same at Surface: Temperatures trend in opposite directions from north pole to south pole. *No one cares*.

- Obscure meridional circulation shifts along with divergence of latent heat can explain northern warming
- Solar diminishment can explain southern cooling.

Mike's draft Halloween 2023

MikesDraft1979-to-2018 span from1 year increments
Slice at ~ 1 km above surface (ERAI layer 11)
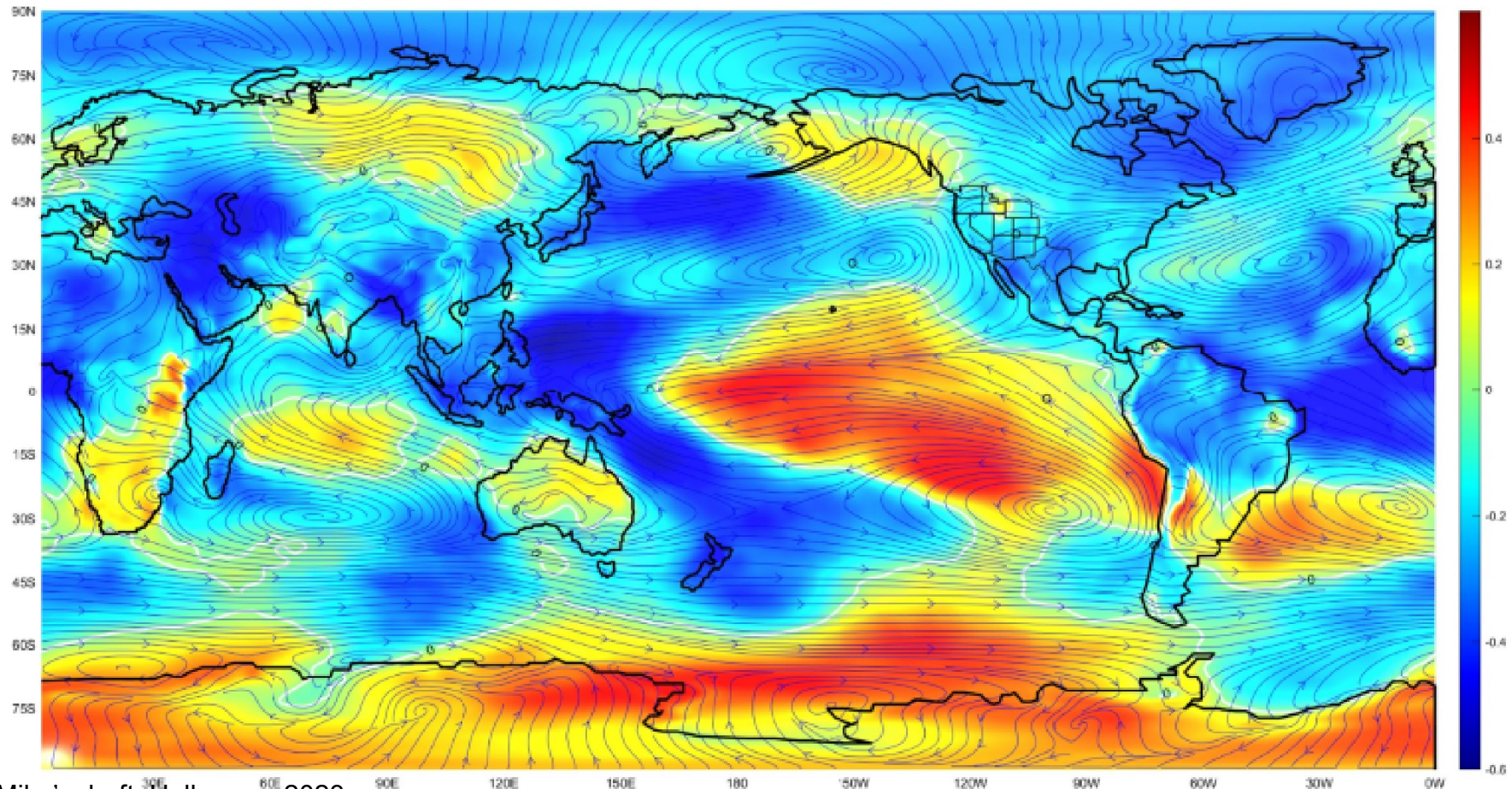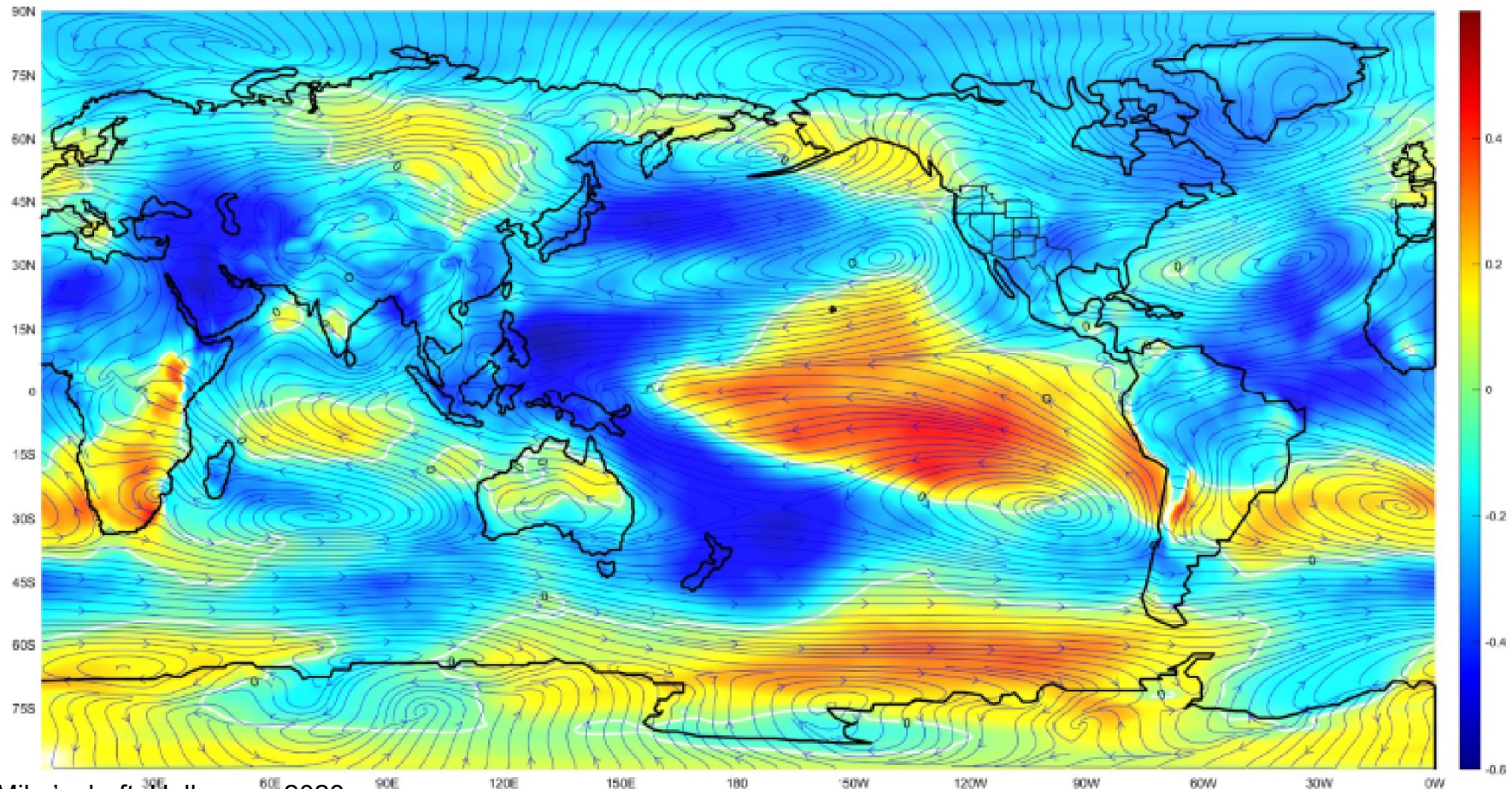Correlation between SSN1 and ERAI T lag = 0 yr
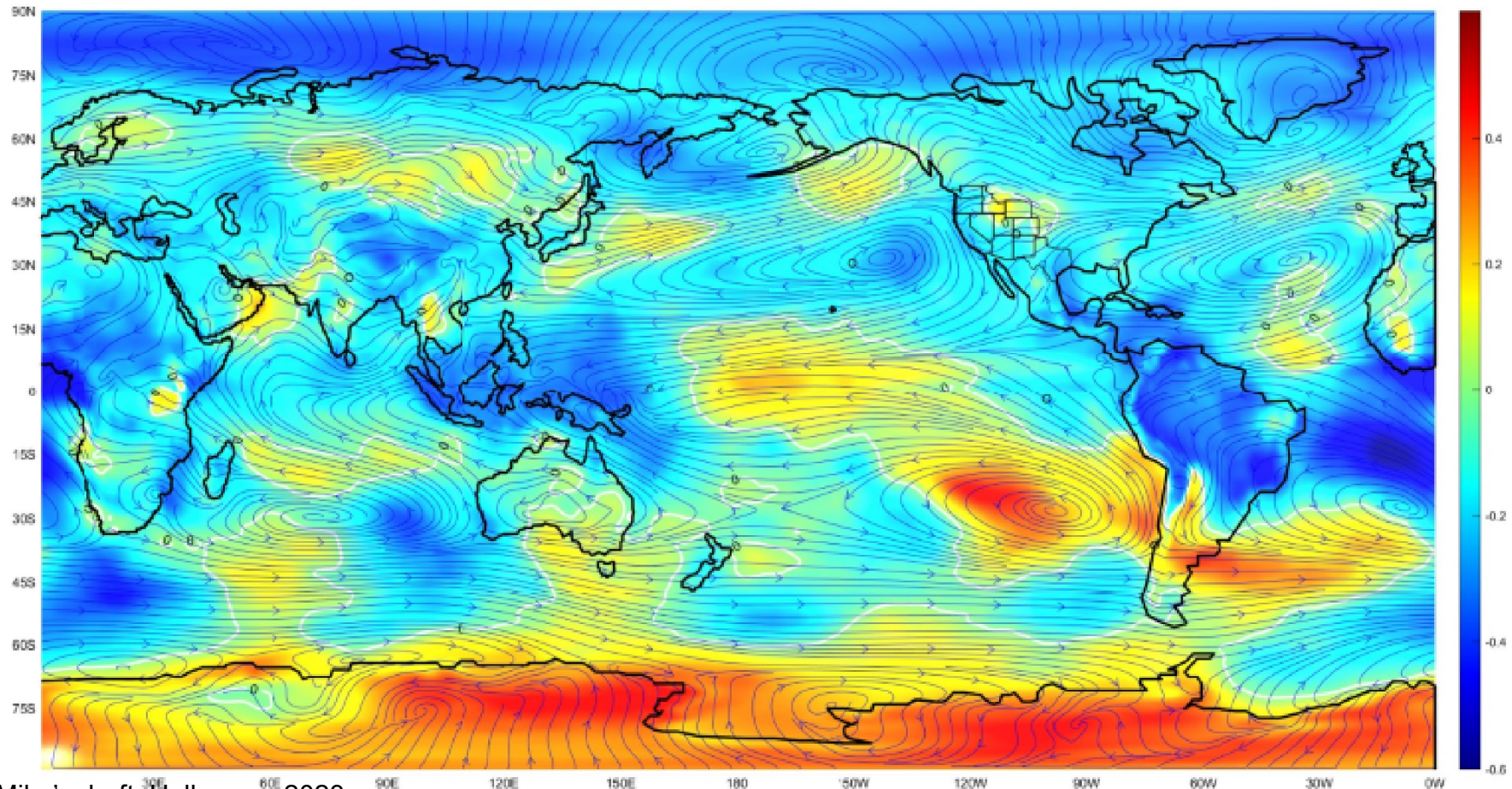
Mike's draft Halloween 2023

MikesDraft1979-to-2018 span from1 year increments
Slice at ~ 1 km above surface (ERAI layer 11)
Correlation between SSN1 and ERAI T lag = 1 yr
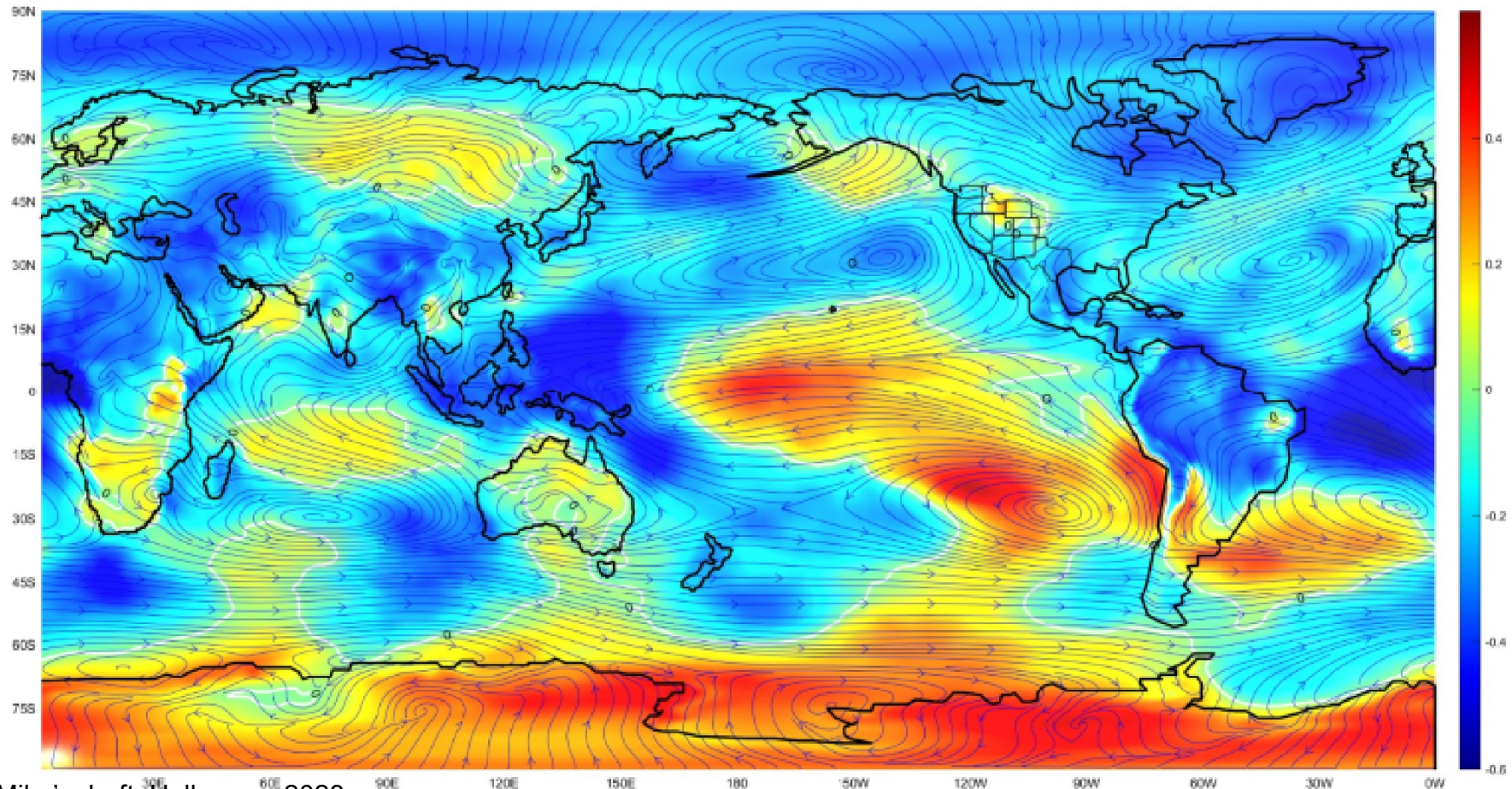
Mike's draft Halloween 2023

MikesDraft1979-to-2018 span from1 year increments
Slice at ~ 1 km above surface (ERAI layer 11)
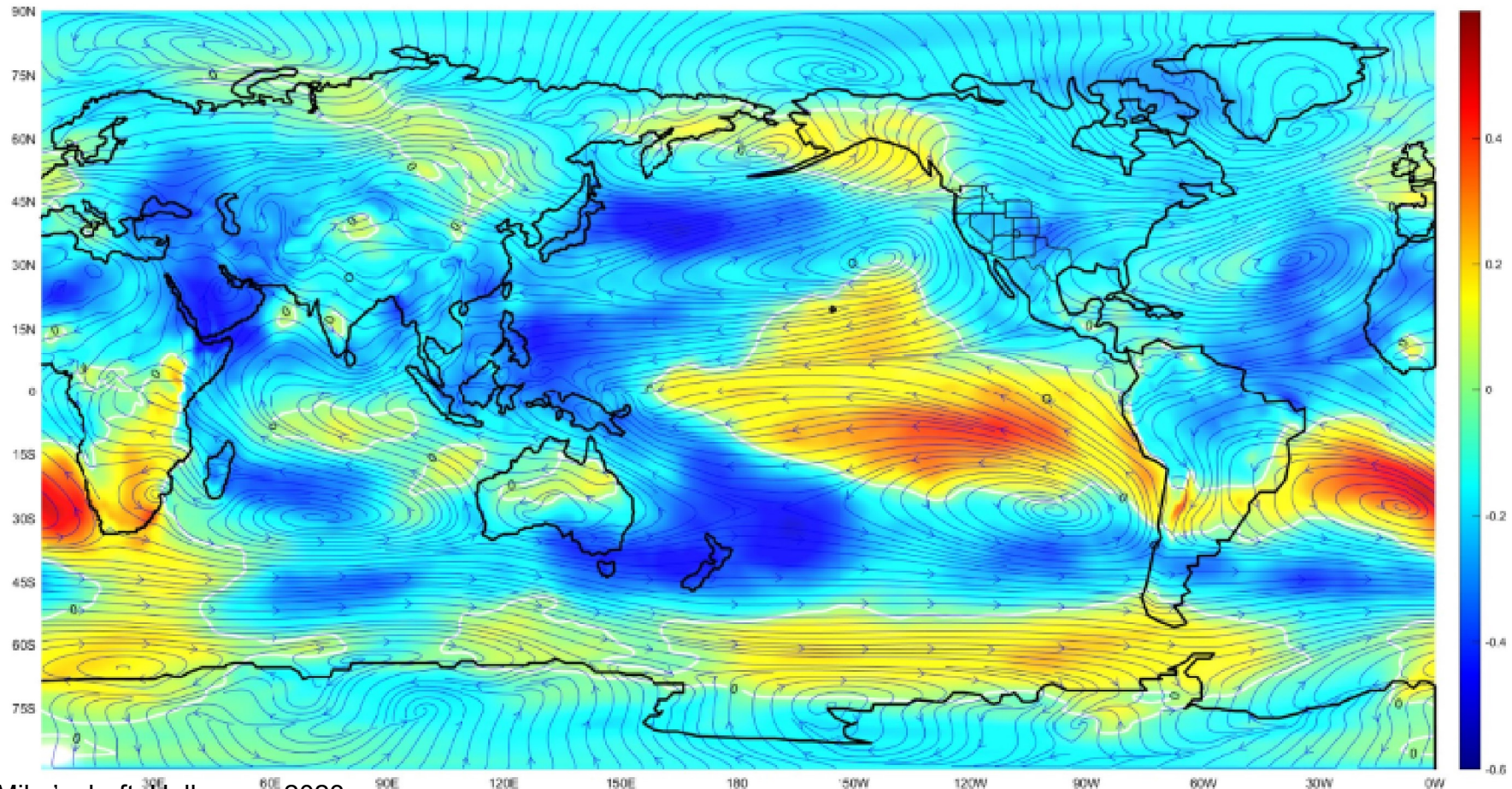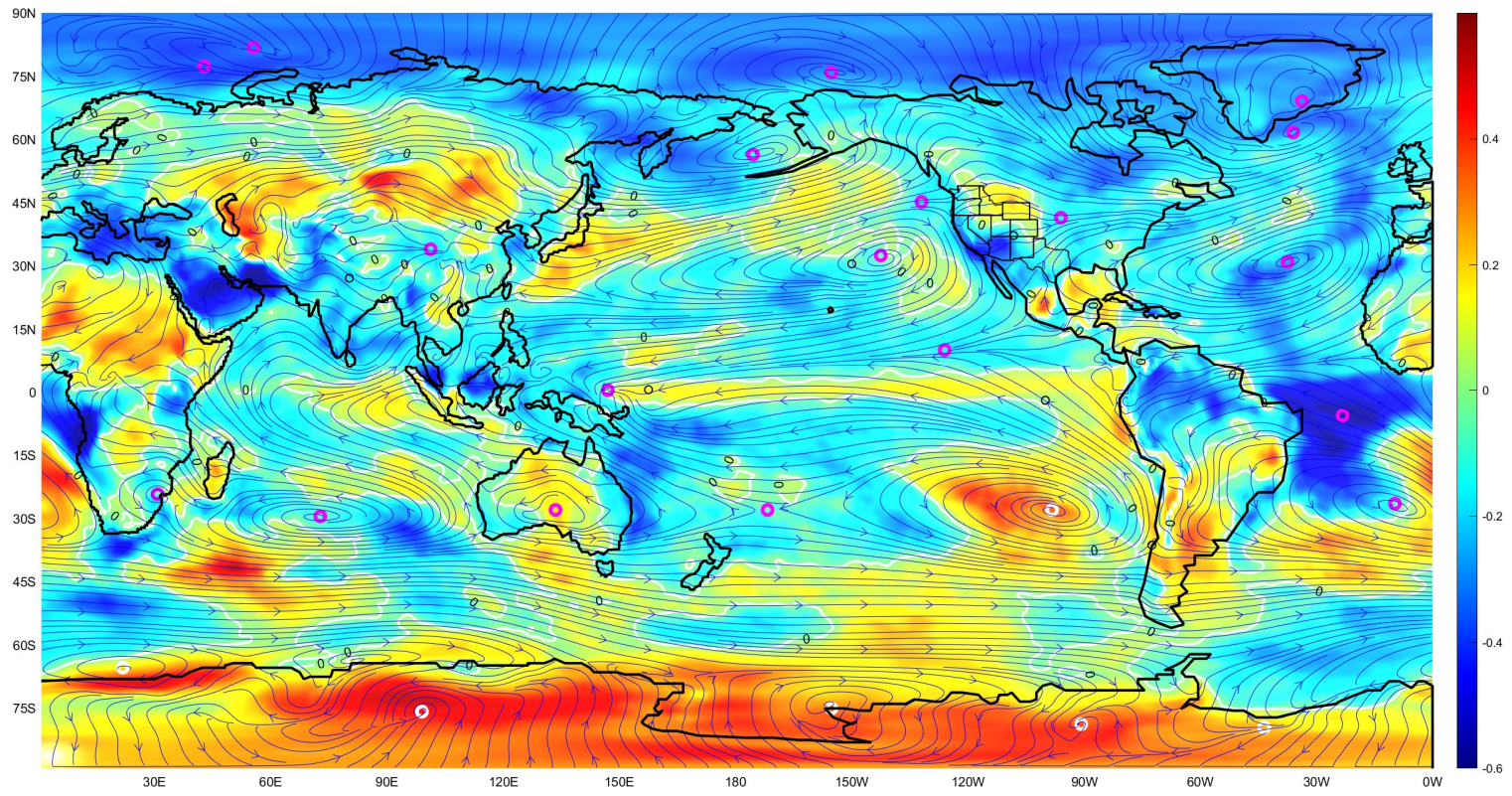Correlation between SSN1 and ERAI T lag = 2 yr

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MikesDraft1979-to-2018 span from1 year increments
Slice at ~ 1 km above surface (ERAI layer 11)
Correlation between SSN1 and ERAI T lag = 3 yr

Mike's draft Halloween 2023

MikesDraft1979-to-2018 span from1 year increments
Slice at ~ 1 km above surface (ERAI layer 11)
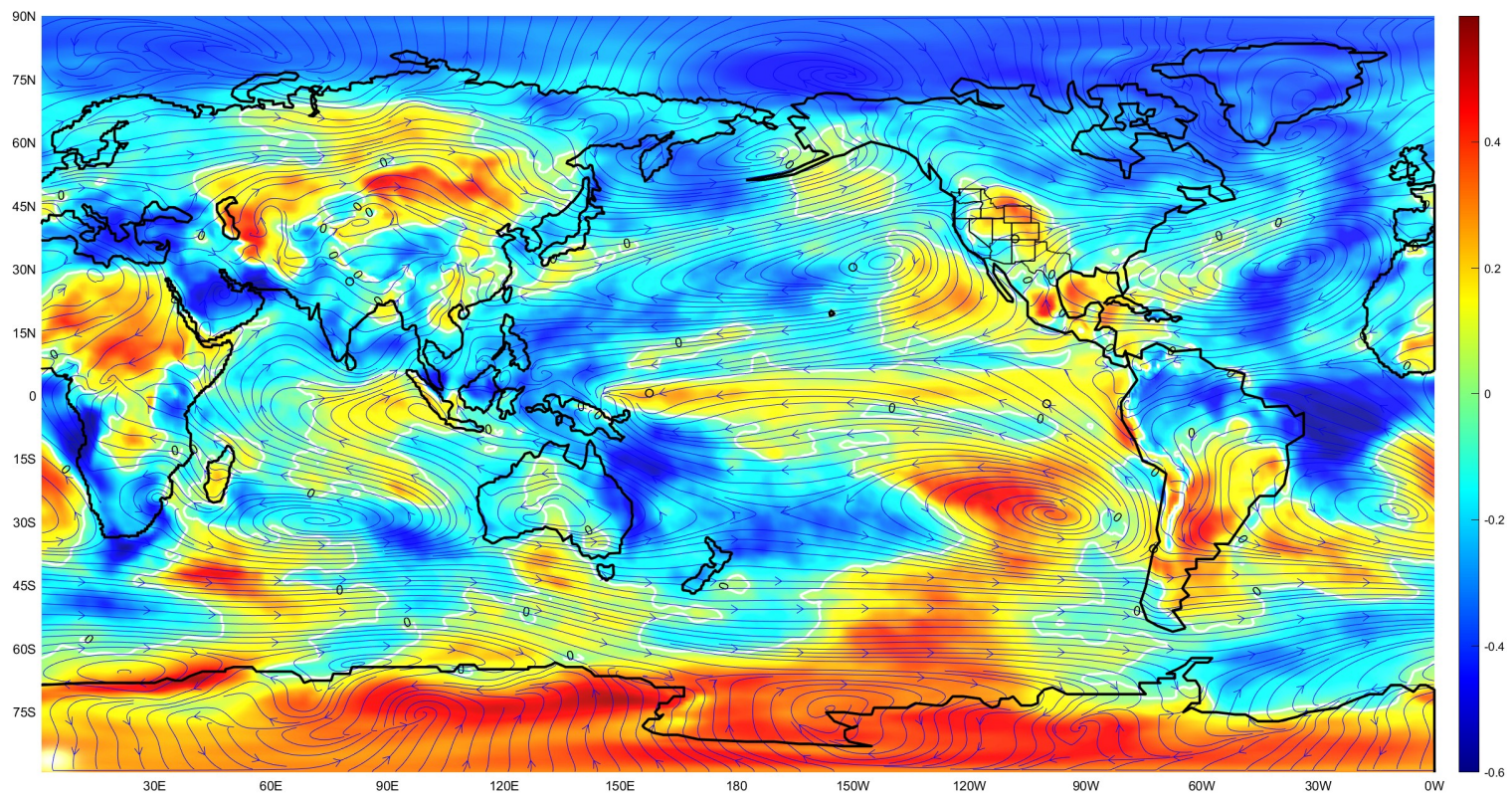Correlation between SSN1 and ERAI T lag = 4 yr

Mike's draft Halloween 2023

MikesDraft1979-to-2018 span from1 year increments
Slice at ~ 1 km above surface (ERAI layer 11)
Correlation between SSN1 and ERAI Q lag = 0 yr

Mike's draft Halloween 2023

MikesDraft1979-to-2018 span from1 year increments
Slice at ~ 1 km above surface (ERAI layer 11)
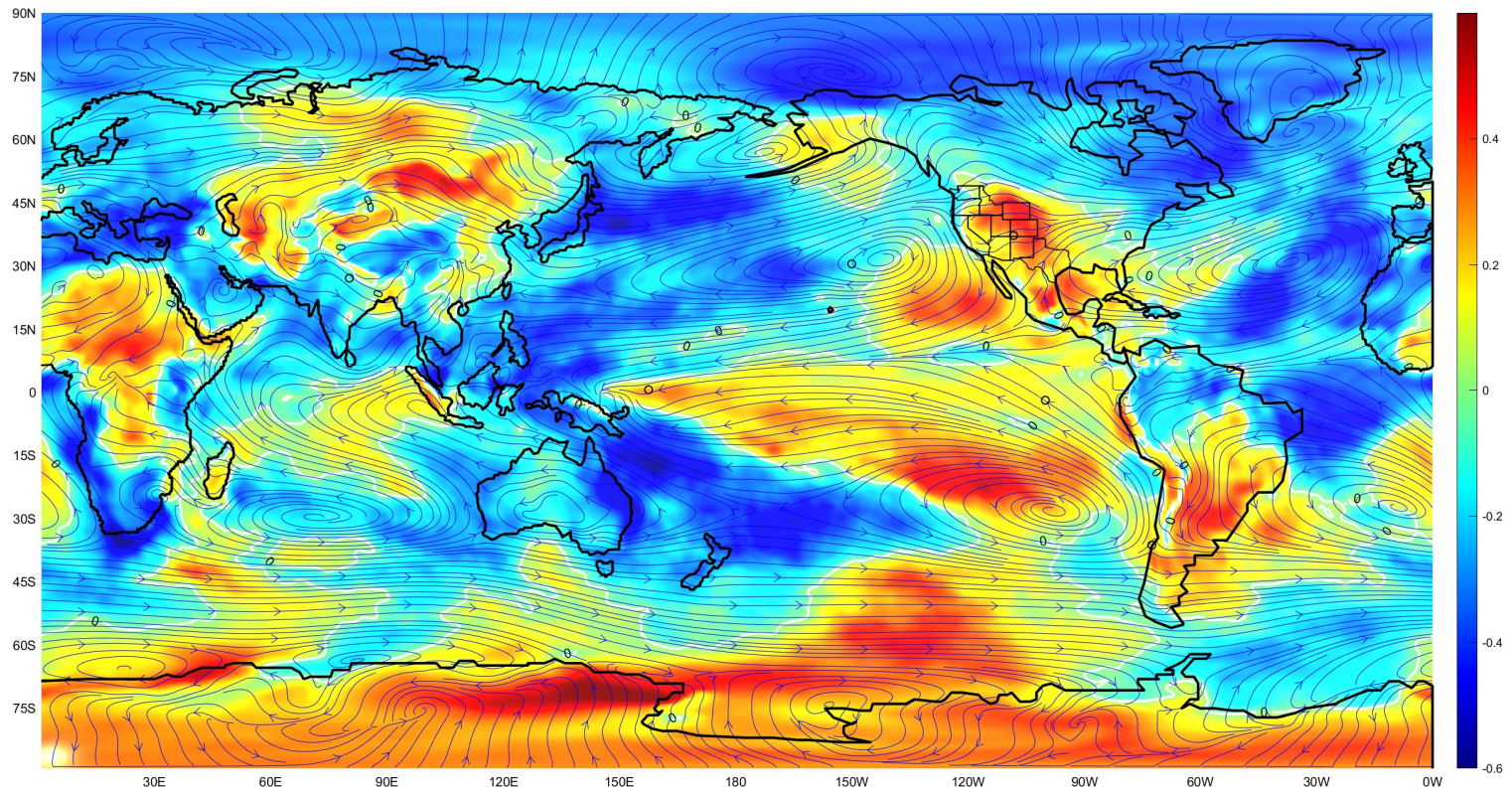**Correlation between SSN1 and ERAI Q lag = 1 yr**

Mike's draft Halloween 2023

MikesDraft1979-to-2018 span from1 year increments
Slice at ~ 1 km above surface (ERAI layer 11)
Correlation between SSN1 and ERAI Q lag = 2 yr
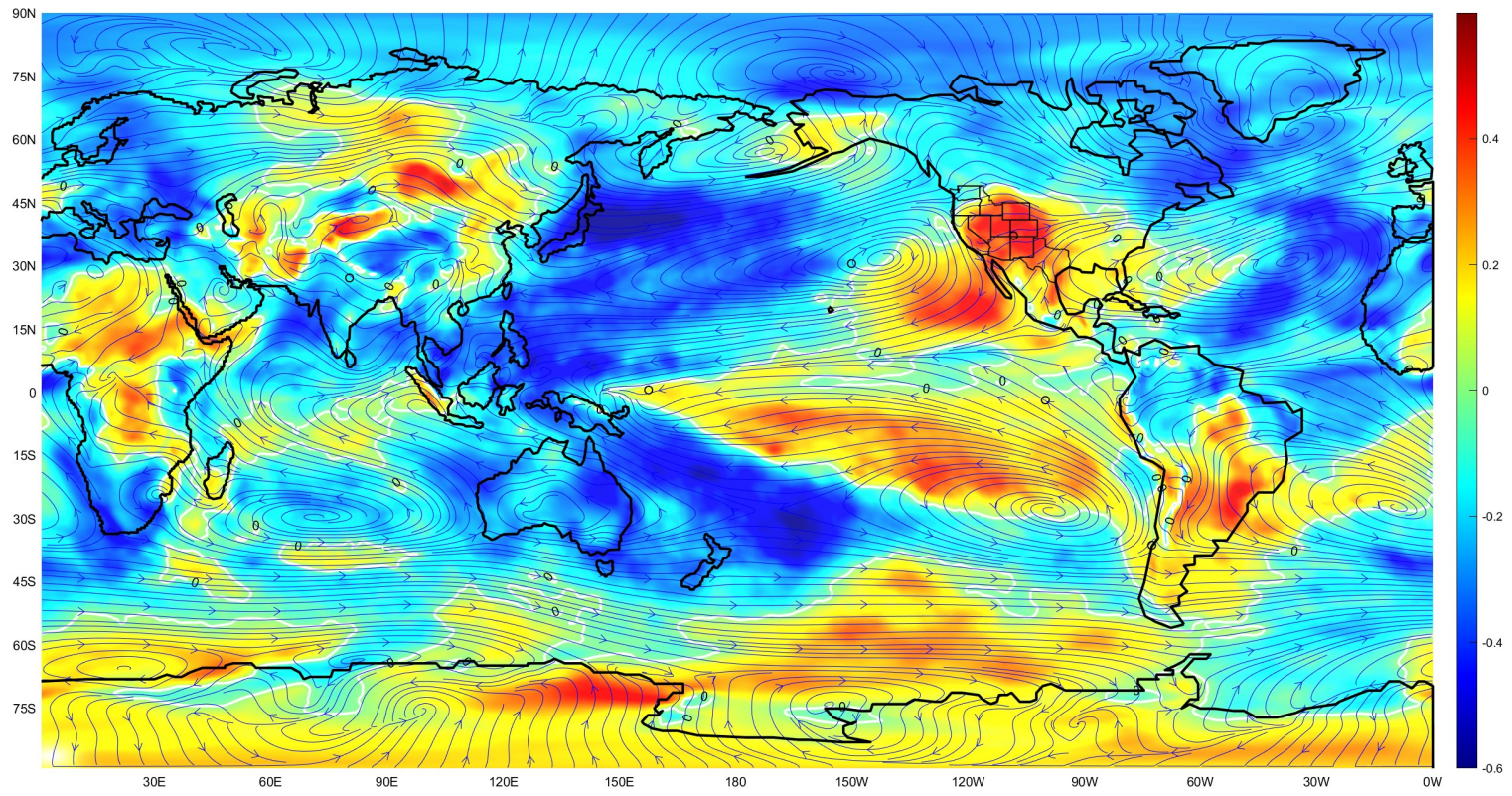
Mike's draft Halloween 2023

MikesDraft1979-to-2018 span from1 year increments
Slice at ~ 1 km above surface (ERAI layer 11)
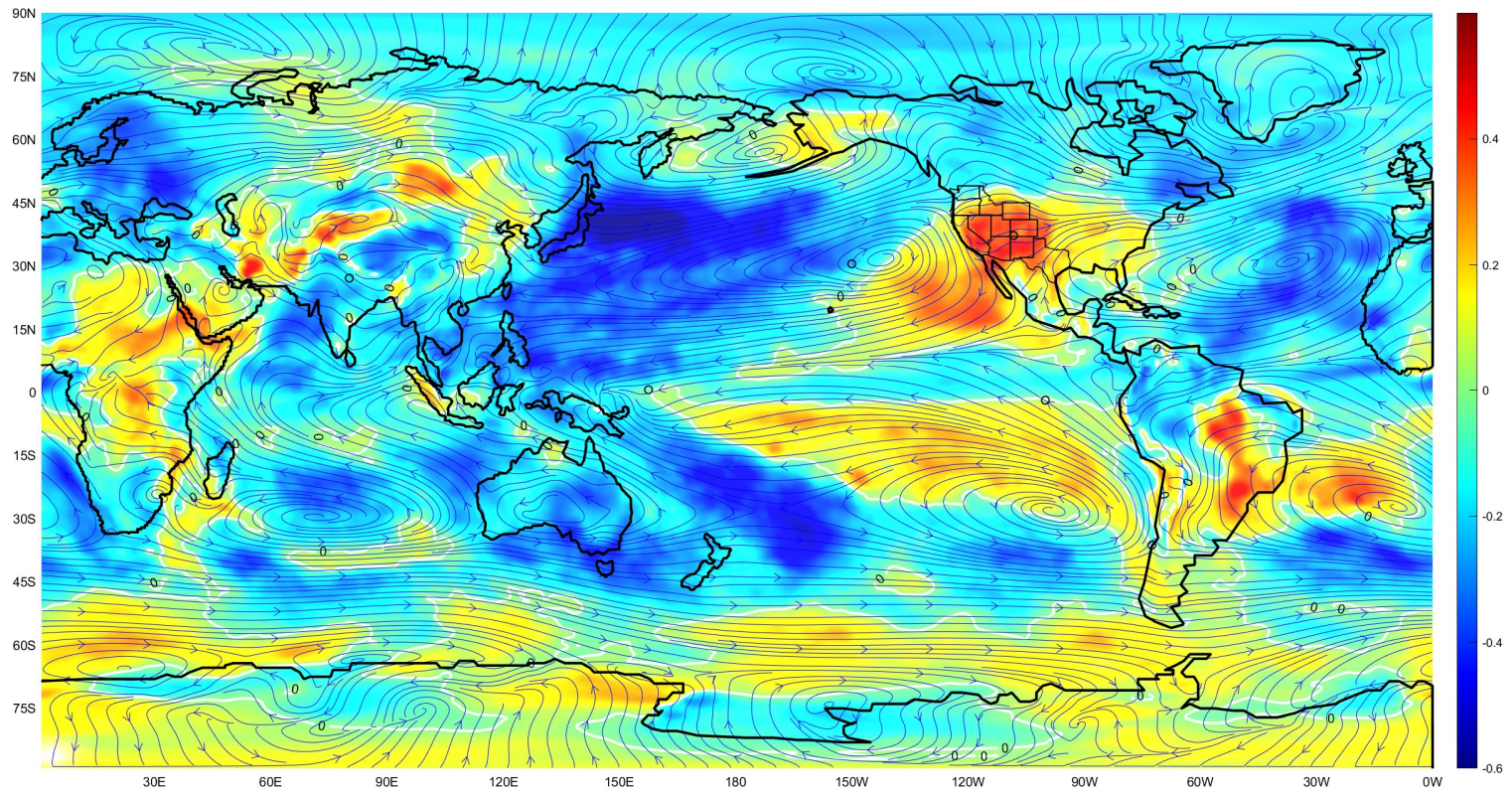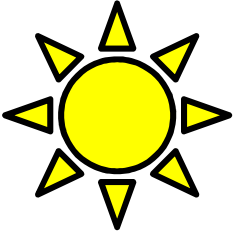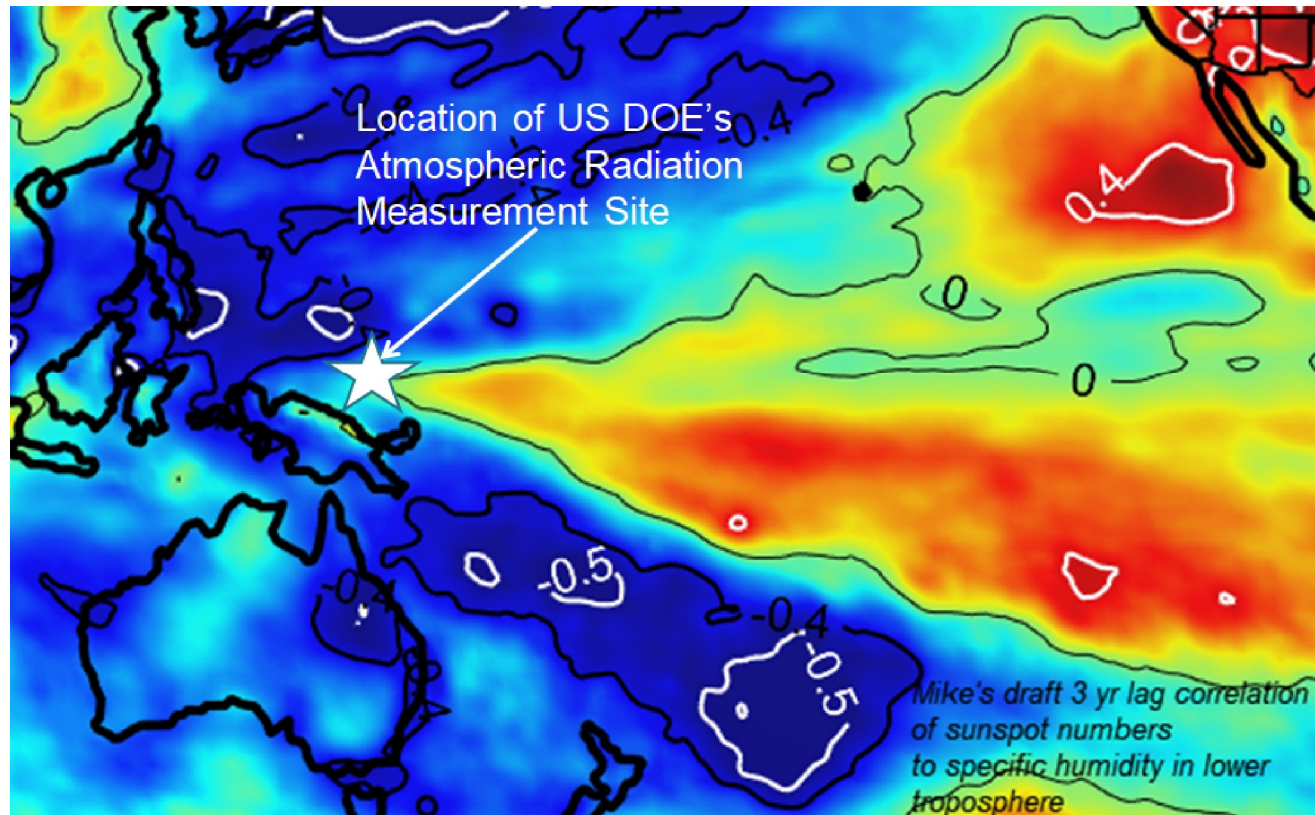**Correlation between SSN1 and ERAI Q lag = 3 yr**

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MikesDraft1979-to-2018 span from1 year increments
Slice at ~ 1 km above surface (ERAI layer 11)
Correlation between SSN1 and ERAI Q lag = 4 yr

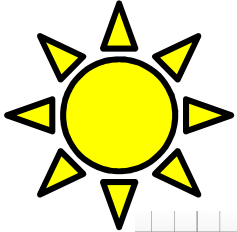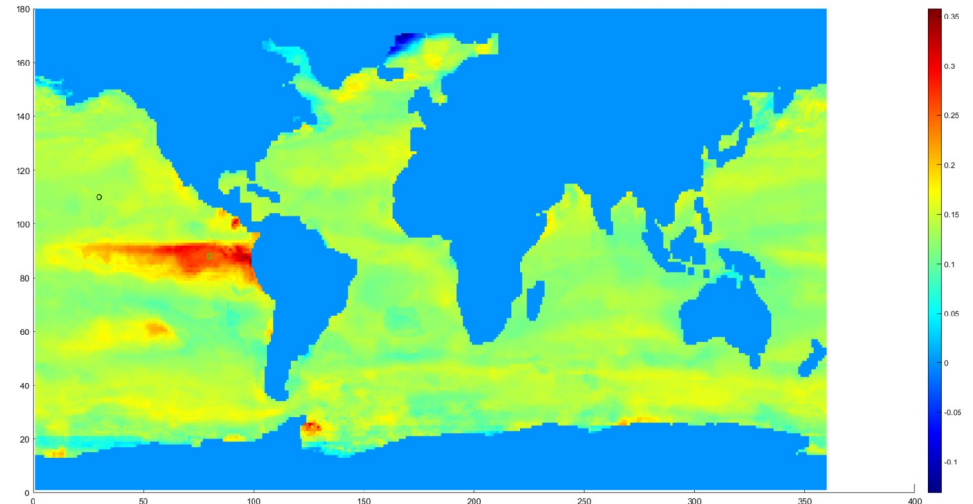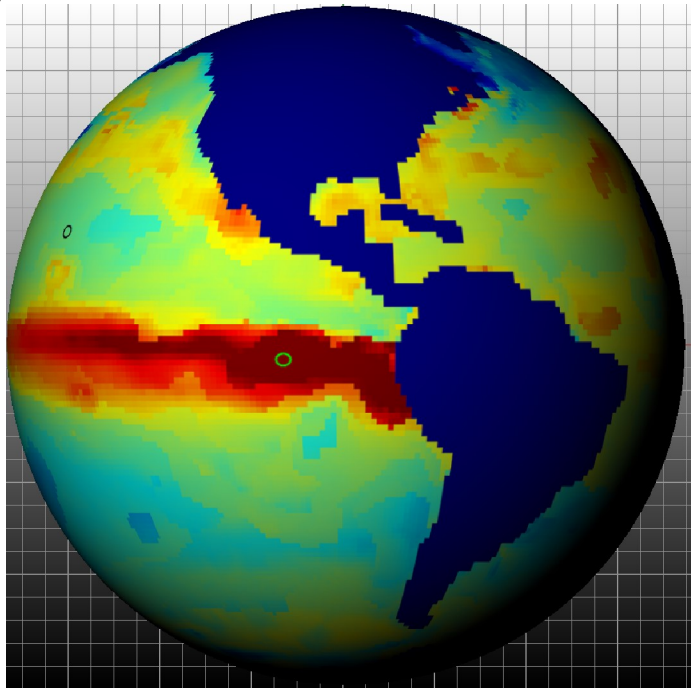Mike's draft Halloween 2023

Solar Forcing of ENSO

Location of US DOE's
Atmospheric Radiation
Measurement Site

Mike's draft 3 yr lag correlation
of sunspot numbers
to specific humidity in lower
troposphere

Mike's draft Halloween 2023

CO2 surface footprint resembles ENSO, especially where Peru Current meets Tropics


Left, example ocean surface CO2 from a single month.   Top, trend in surface CO2   Data developed from

Landschützer, Peter, Seth M. Bushinsky, and Alison R. Gray. "A combined globally mapped carbon dioxide (CO2) flux estimate based on the surface ocean CO2 Atlas Database (SOCAT) and Southern Ocean carbon and climate observations and modeling (SOCCOM) biogeochemistry floats from 1982 to 2017 (NCEI accession 0191304)." NOAA National Centers for Environmental Information.(Dataset. https://doi. org/10.25921/9hsn-xq82. Accessed 2020–04–23) (2019).

Mike's draft Halloween 2023

CO2 mid tropospheric footprint correlates to atmospheric Moisture

Mikes draft 0 month lag correlation of ERAI Surface Specific Humidity to AIRS CO2 ppm
120 months record (~2003 through 2012)
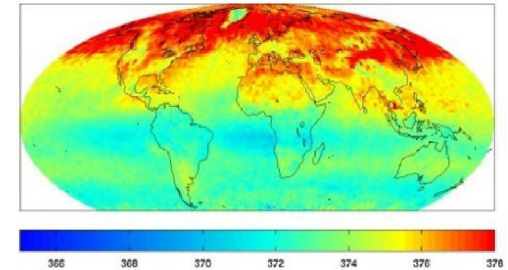
Mike's draft Halloween 2023
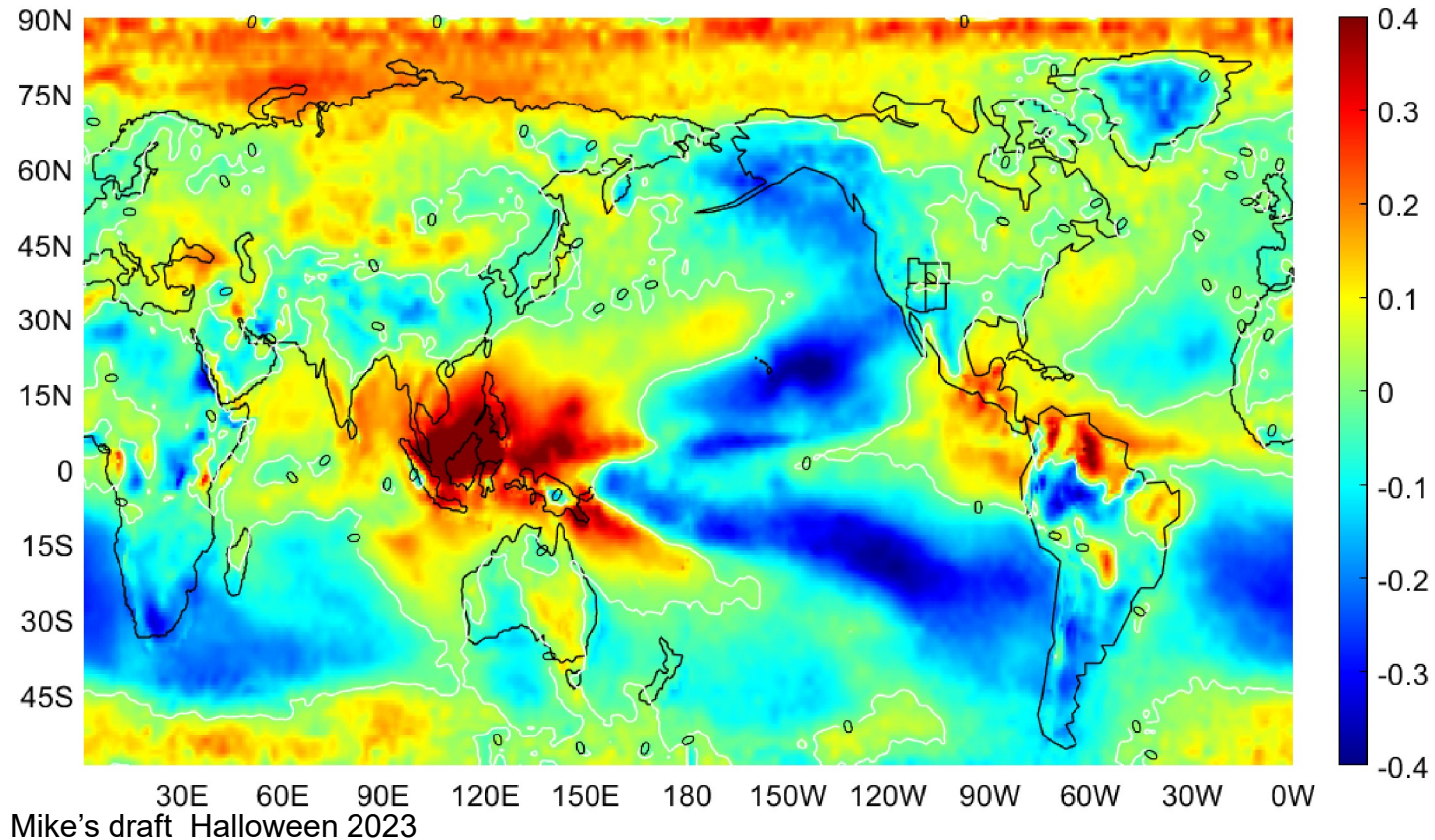
CO2 mid tropospheric footprint also correlates to atmospheric Winds

Mikes draft 0 month lag correlation of ERAI mid-troposphere lateral winds to AIRS CO2 ppm
120 months record (~2003 through 2012)
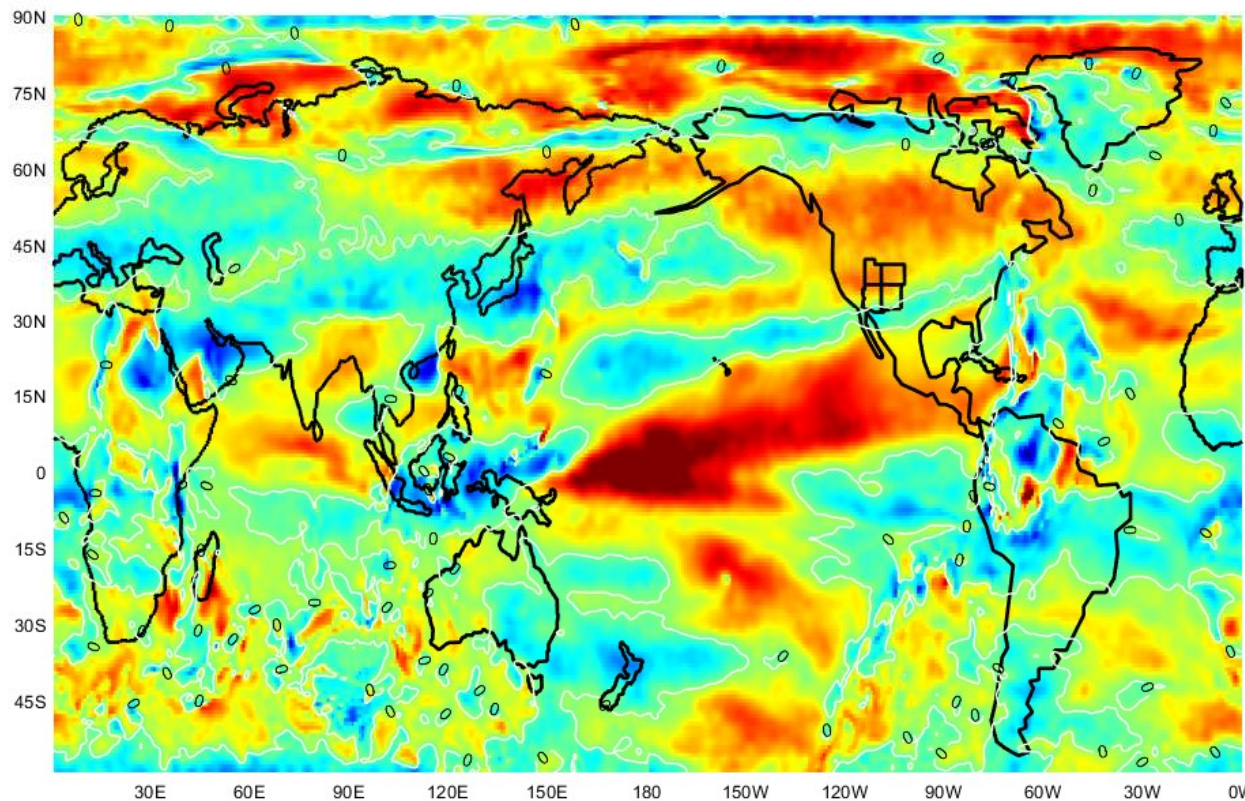
CO_2 Monthly Representation for May

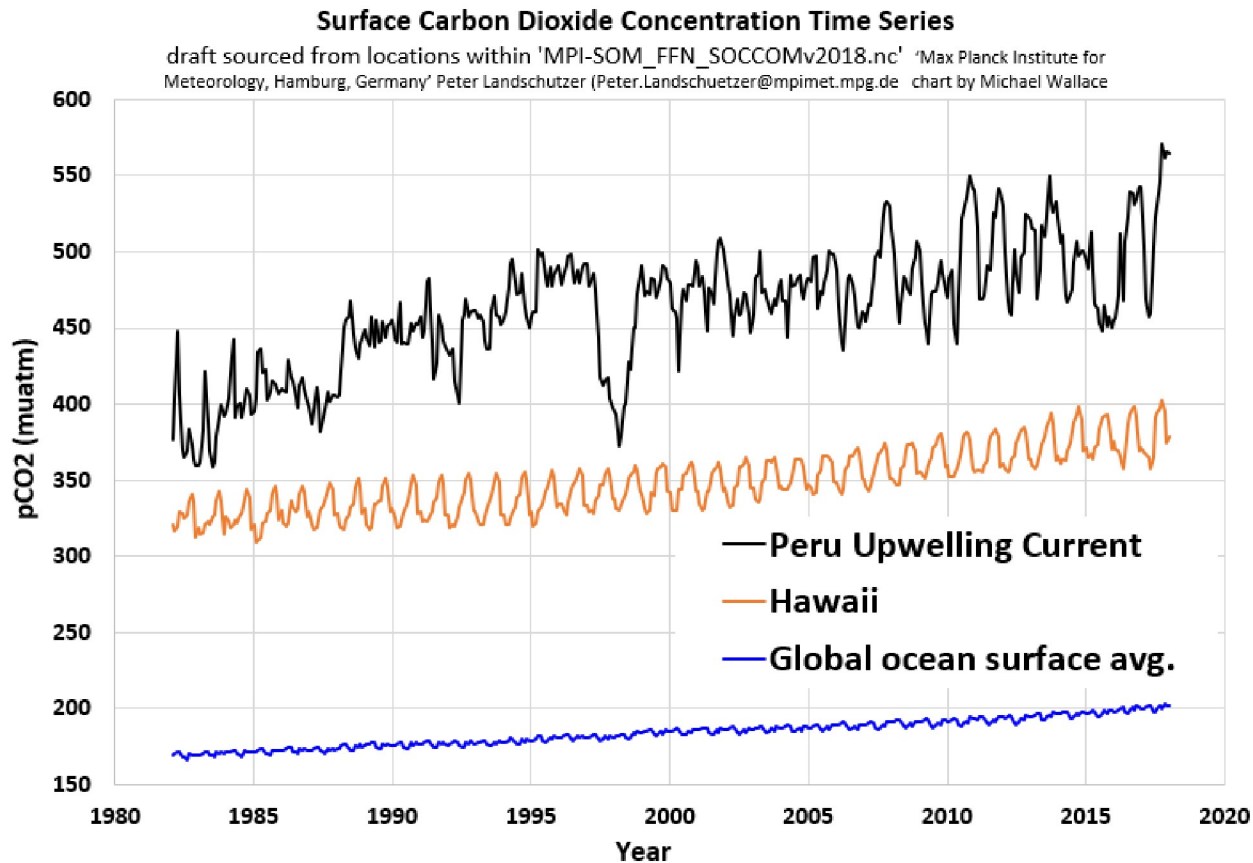Older AIRS pubs noted seasonal impact. CO2 highest in north immediately after windiest months.

Wang, Jingqian, Xun Jiang, Moustafa T. Chahine, Mao-Chang Liang, Edward T. Olsen, Luke L. Chen, Stephen J. Licata, Thomas S. Pagano, and Yuk L. Yung. "The influence of tropospheric biennial oscillation on mid-tropospheric CO2." Geophysical Research Letters 38, no. 20 (2011).

Mike's draft Halloween 2023

CO2 surface concentrations at Peru Current EXCEED concentrations at Mauna Loa

Surface Carbon Dioxide Concentration Time Series
draft sourced from locations within 'MPI-SOM_FFN_SOCCOMv2018.nc' 'Max Planck Institute for Meteorology, Hamburg, Germany' Peter Landschutzer (Peter.Landschuetzer@mpimet.mpg.de   chart by Michael Wallace
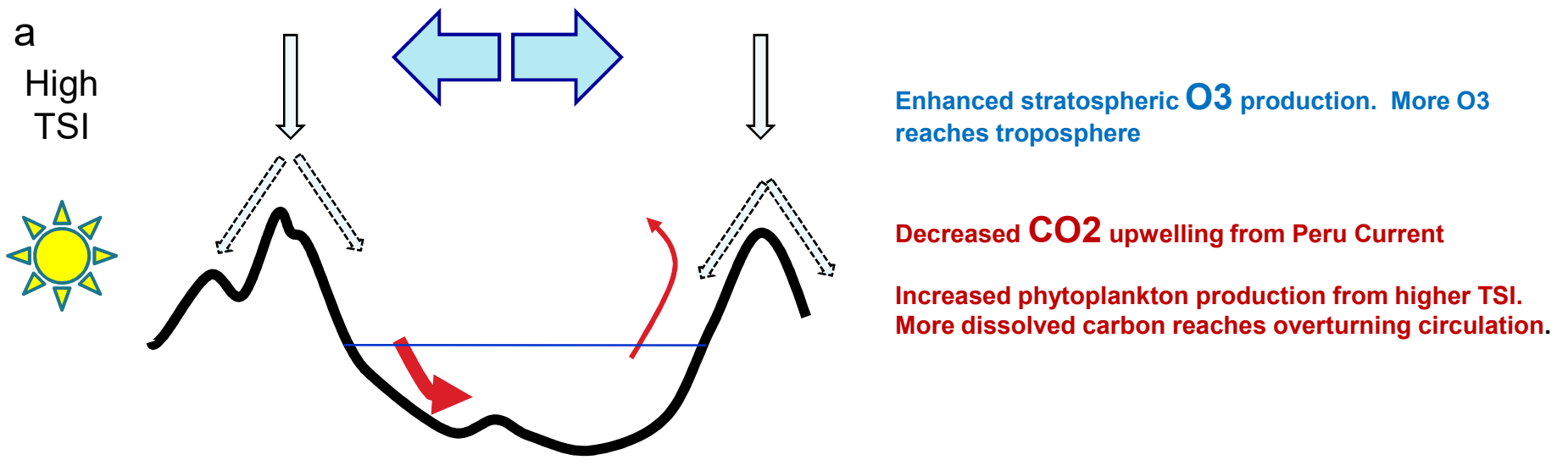
All natural ocean CO2 signatures appear to be omitted from fossil fuel narrative.

No rationale has been provided to date.

Also relates to past undisclosed replacement of ocean pH data with model resuts.

Mike's draft Halloween 2023

DRAFT CONCEPTUAL MODEL OF SOLAR FORCING OF CO2 AND OZONE

a

High
TSI

Enhanced stratospheric O_3 production. More O3 reaches troposphere

Decreased CO_2 upwelling from Peru Current

Increased phytoplankton production from higher TSI. More dissolved carbon reaches overturning circulation.

Mike's draft Halloween 2023

DRAFT CONCEPTUAL MODEL OF SOLAR FORCING OF CO2 AND OZONE

b

Low
TSI

Reduced stratospheric O3 production. Less O3 reaches troposphere

Enhanced CO2 upwelling at Peru Current

Reduced phytoplankton production from lower TSI. Less dissolved carbon reaches overturning circulation.
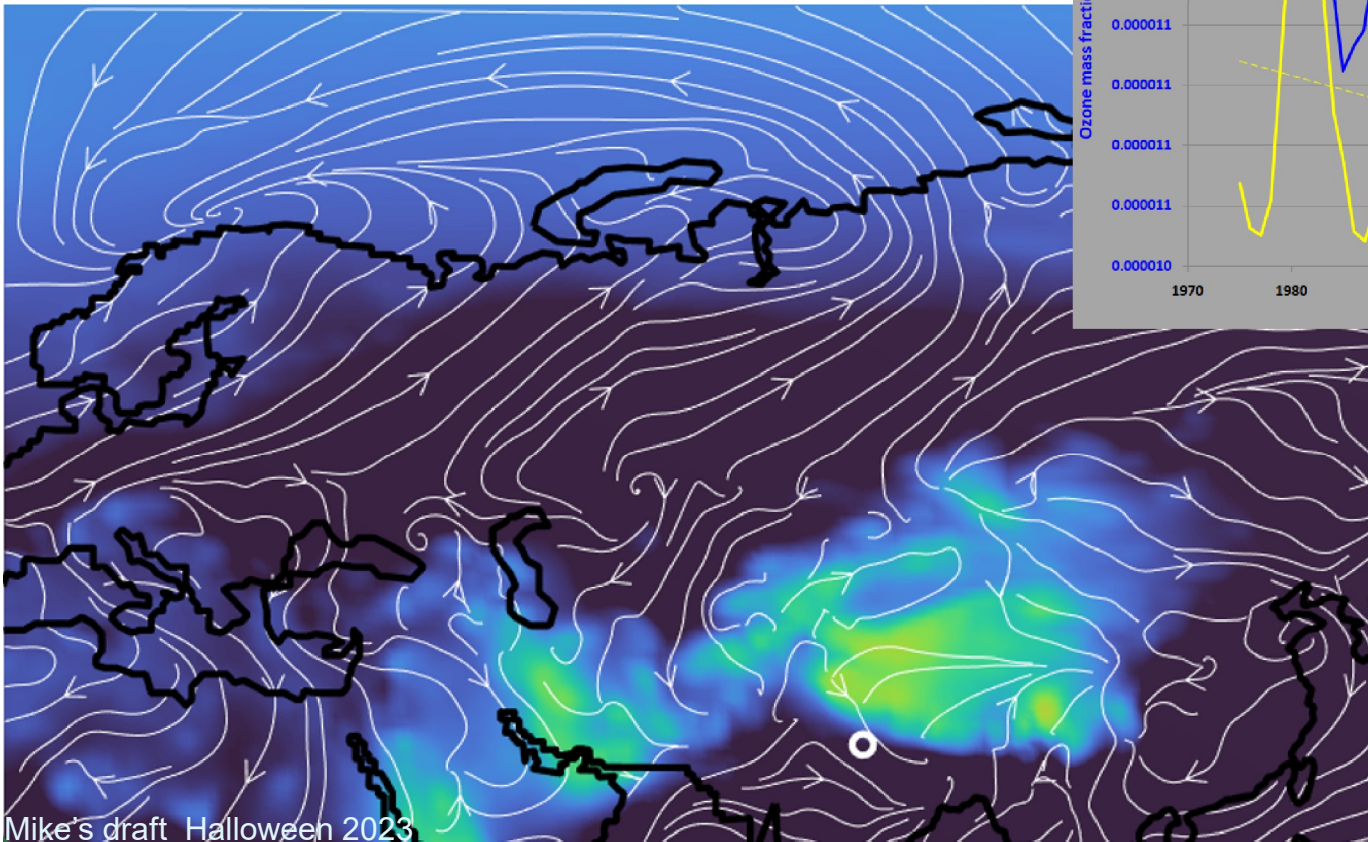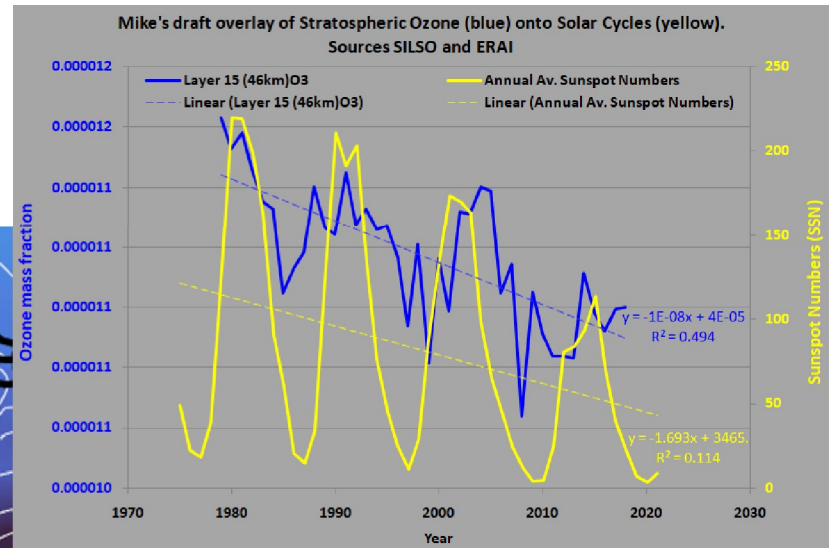
Mike's draft Halloween 2023

Mikes draft 6 month lag correlation of monthly SSN to AIRS CO2 ppm
120 months record (~2003 through 2012)
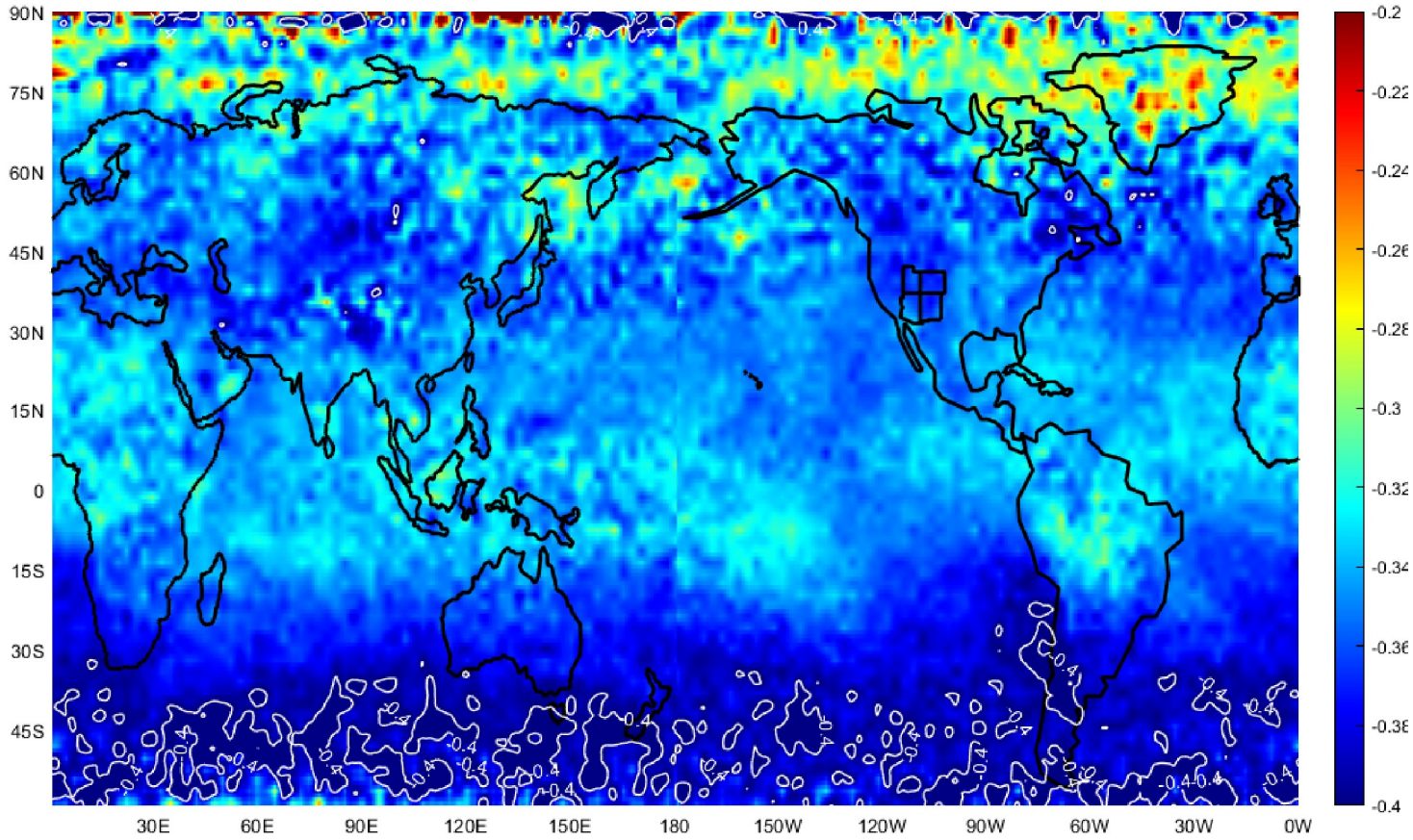
Southern Ocean CO2 seems to correlate to solar forcing Data supports.

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Ozone falls from solar driven stratospheric incubator, flows down mountains, into the sea.
Much ozone disappears even upon reaching moist troposphere

Mike's draft overlay of Stratospheric Ozone (blue) onto Solar Cycles (yellow). Sources SILSO and ERAI
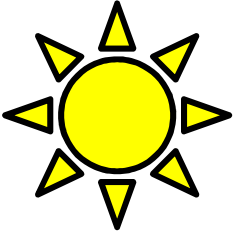
Mike's draft Halloween 2023
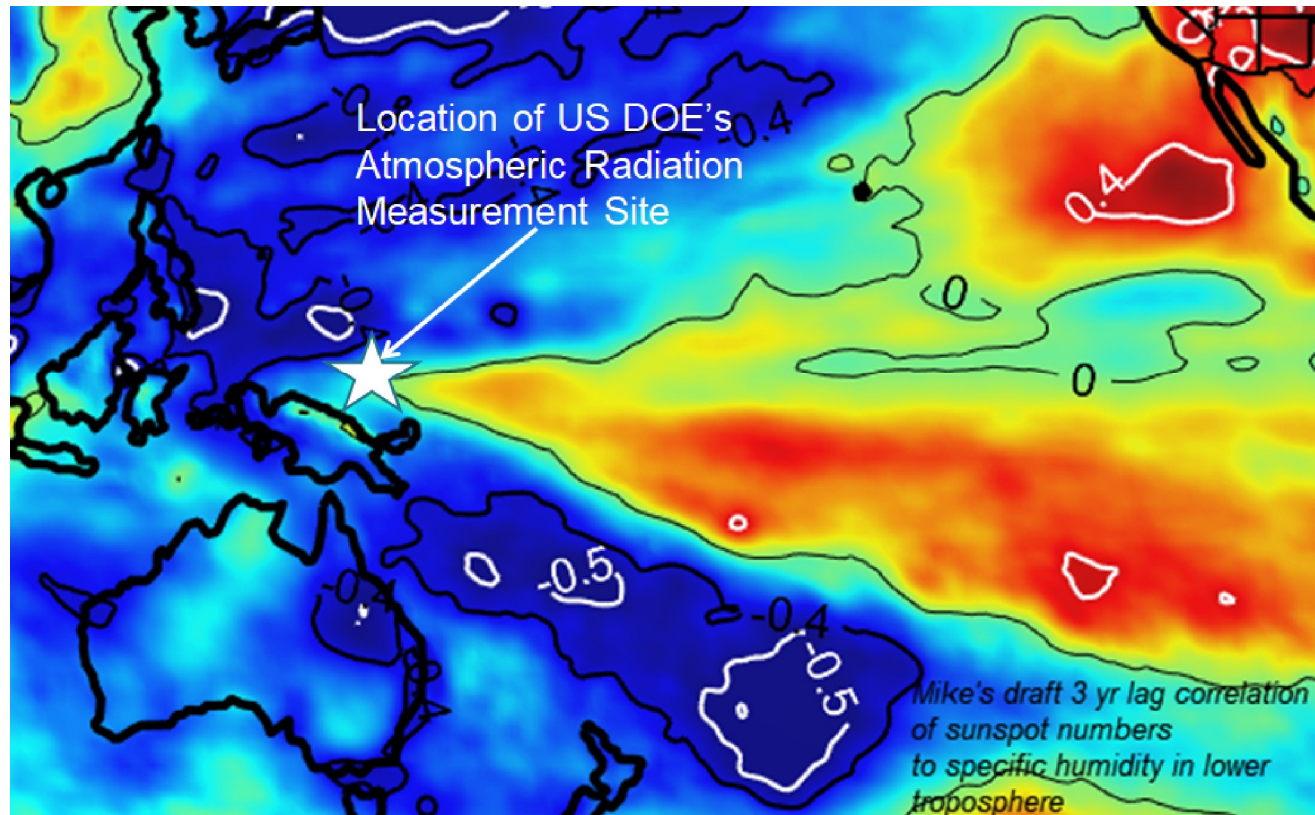
Stratospheric Ozone seems to correlate to solar forcing Data, and papers support.

Visit ozone animations
[Art and Science - MW&A (abeqas.com)](abeqas.com)

Mike's draft Halloween 2023

Solar Forcing of ENSO

Location of US DOE's Atmospheric Radiation Measurement Site

Mike's draft 3 yr lag correlation of sunspot numbers to specific humidity in lower troposphere

Mike's draft Halloween 2023

Next Goals
•Publish another paper with others
•Continue to challenge Global Warming and Ocean Acidification misrepresentation by PMEL, Google, Bloomberg, and Terramar elites.
•Challenge CO2 Bean Counts by shining light on natural CO2 oversights.
•Add clarity to CFC Ozone Hole gaslighting.
•Shine light on Exascale global circulation model misrepresentations
•Prosper through best scientific practices   :D
•   Thanks to ALL.
Mike's draft Halloween 2023