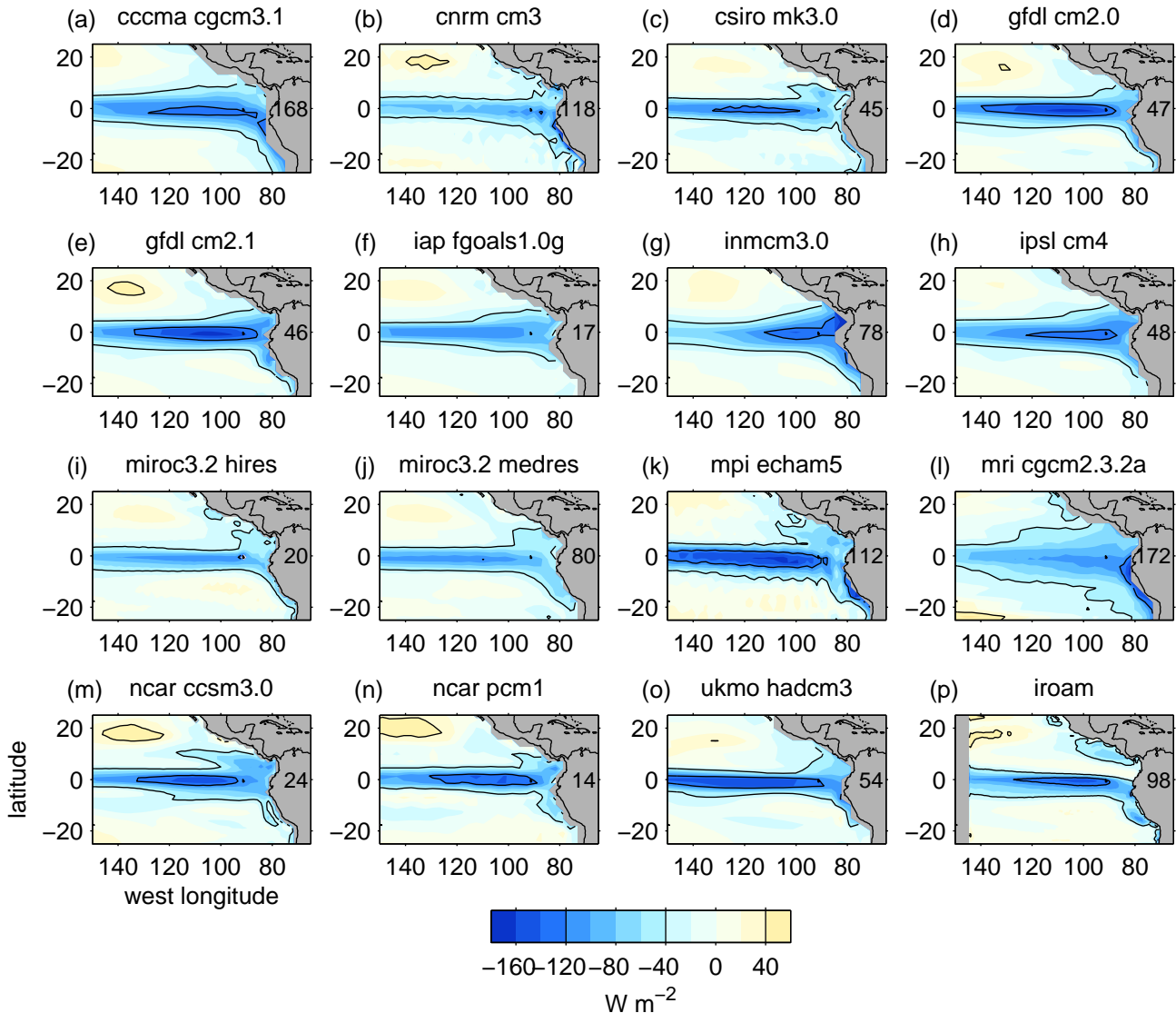
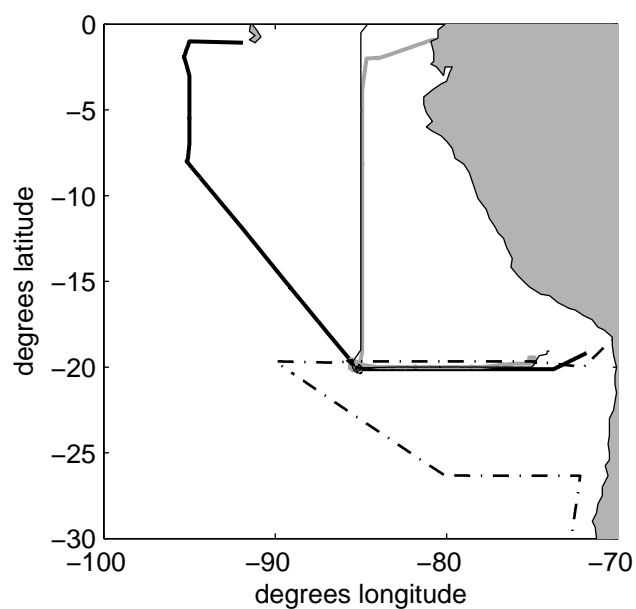
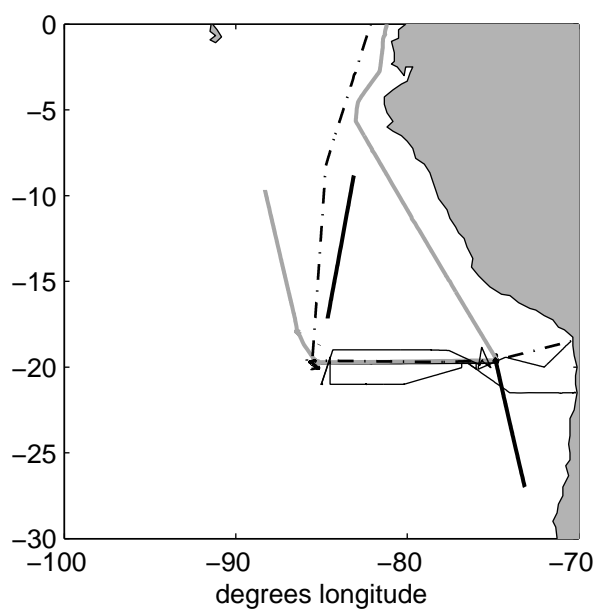


Total surface flux (+up)



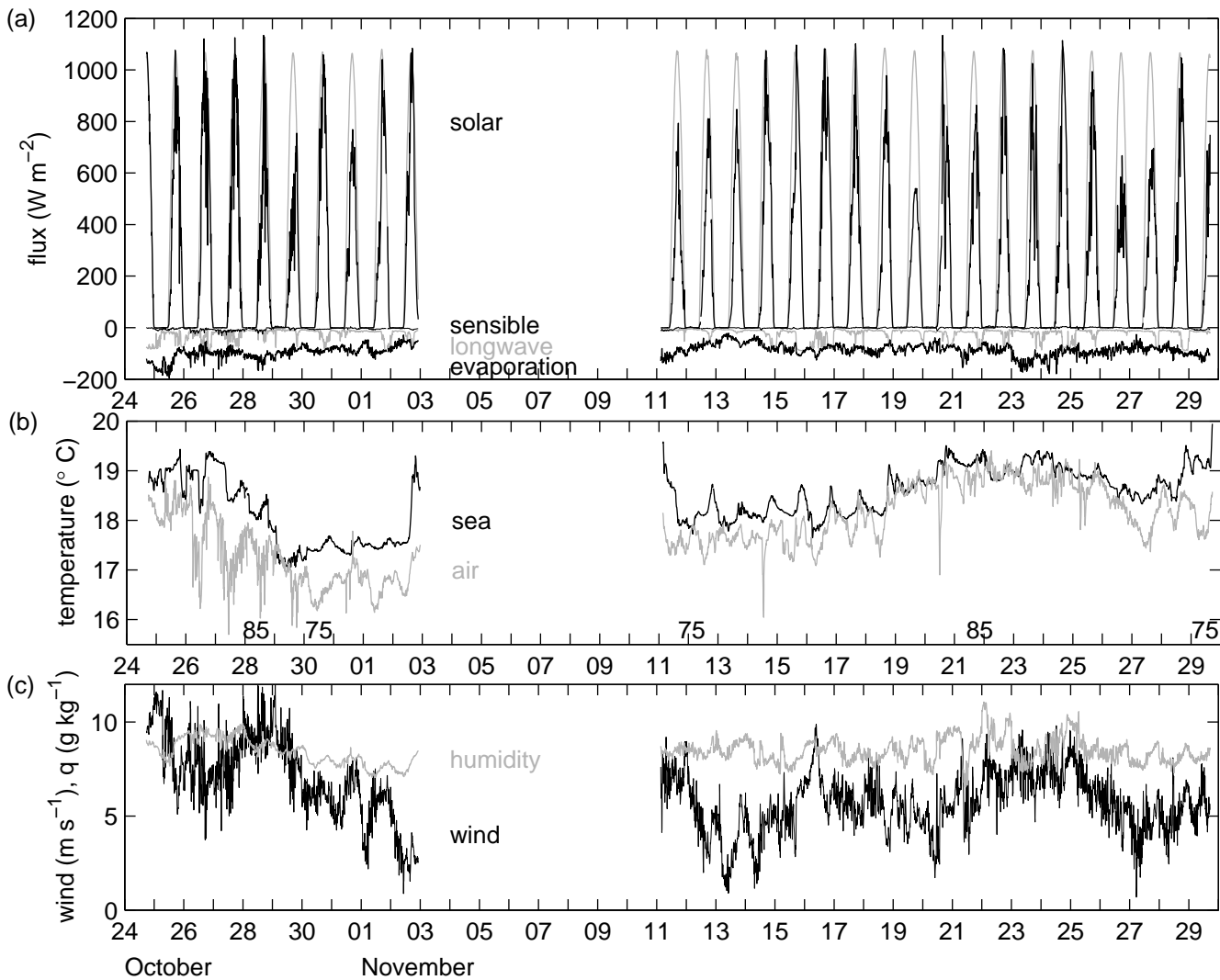


2001 Oct 22 ——— Oct 24
 2003 Nov 21 ——— Nov 23
 2004 Dec 10 ····· Dec 07
 2005 Oct 18 ——— Oct 20

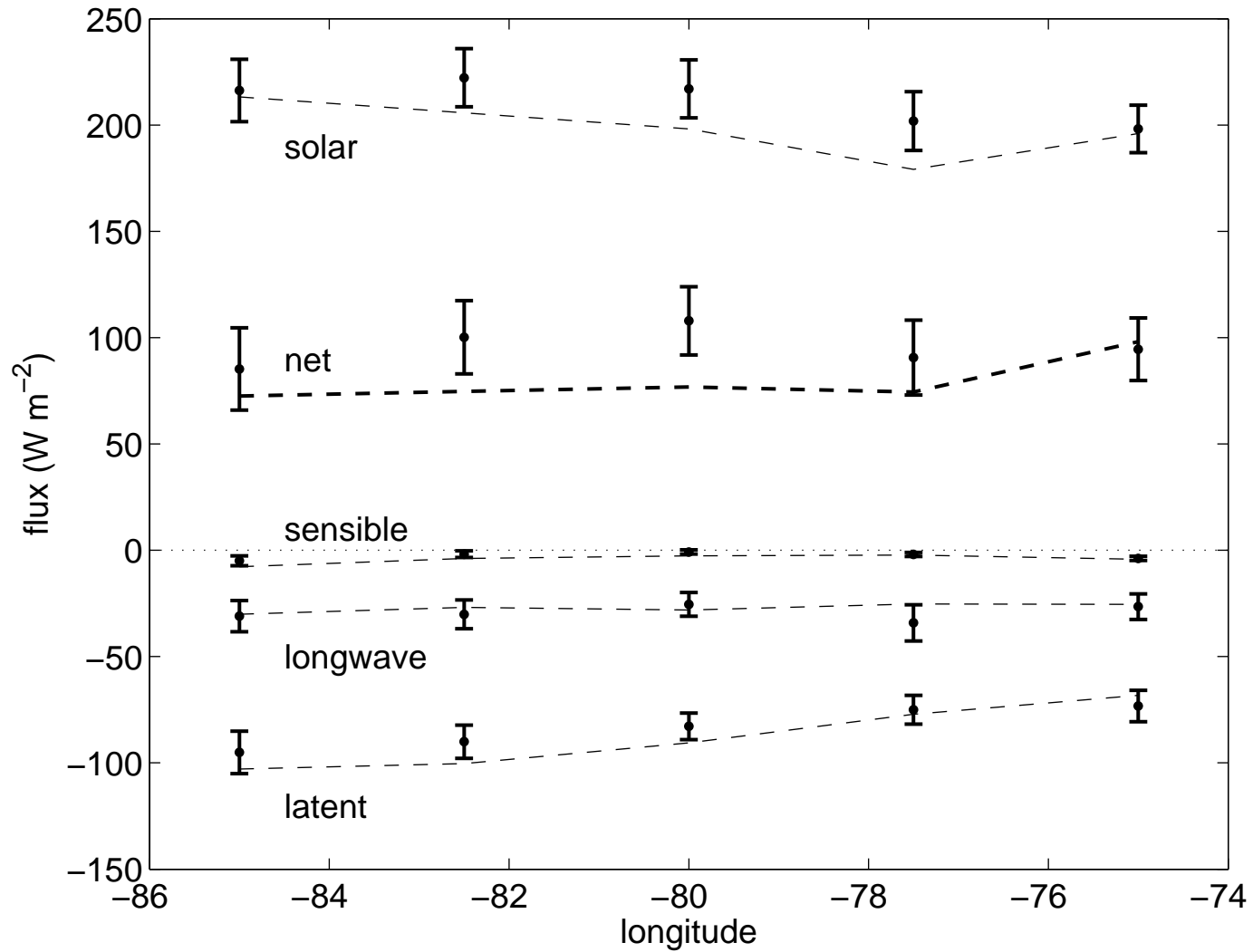


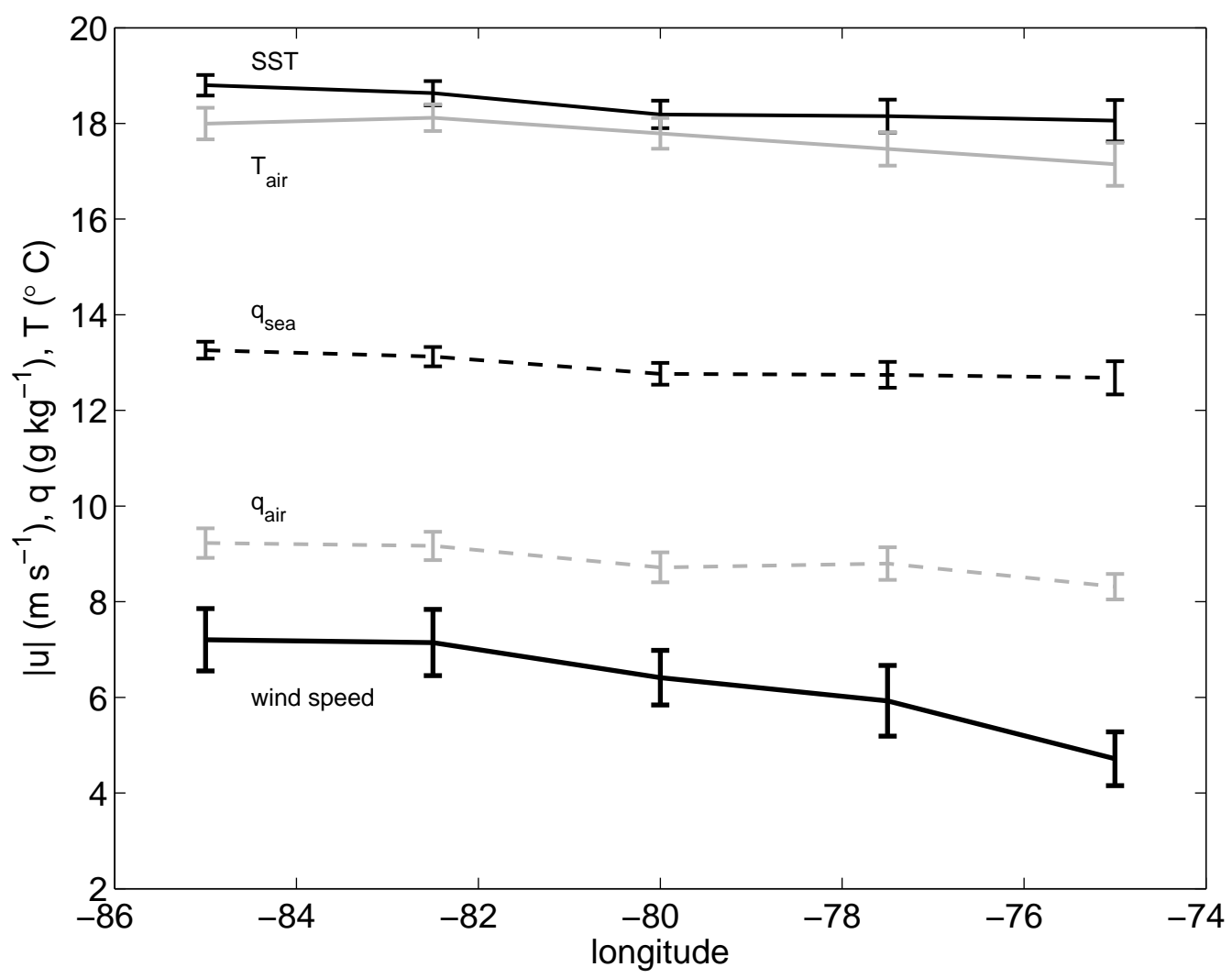
2006 Oct 20 ——— Oct 22
 2007 Oct 26 ——— Oct 24
 2008 Oct 27 ····· Oct 30
 2008 Nov 20 ——— Nov 11
 2008 Nov 20 ——— Nov 28

VOCALS 2008 20° S time series

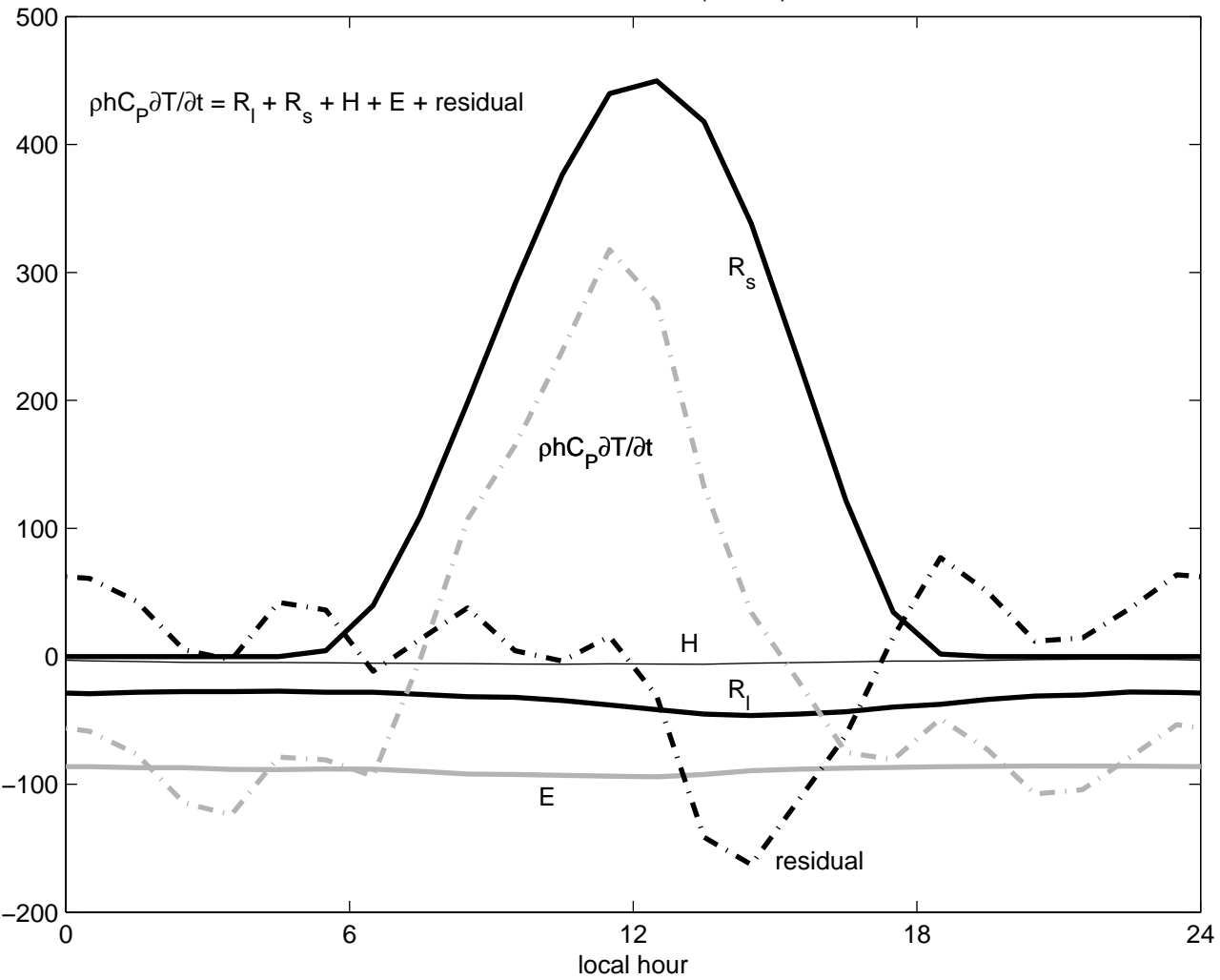


20° S surface heat fluxes



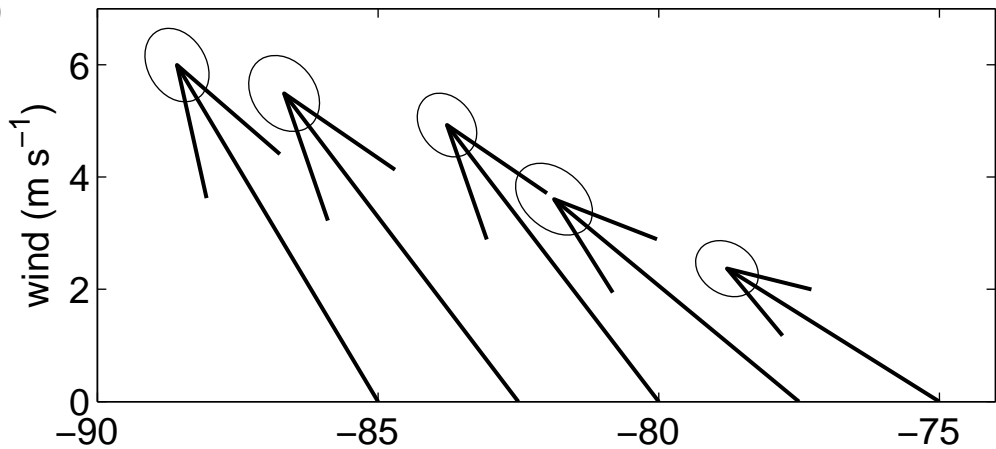


surface heat fluxes (W m^{-2})



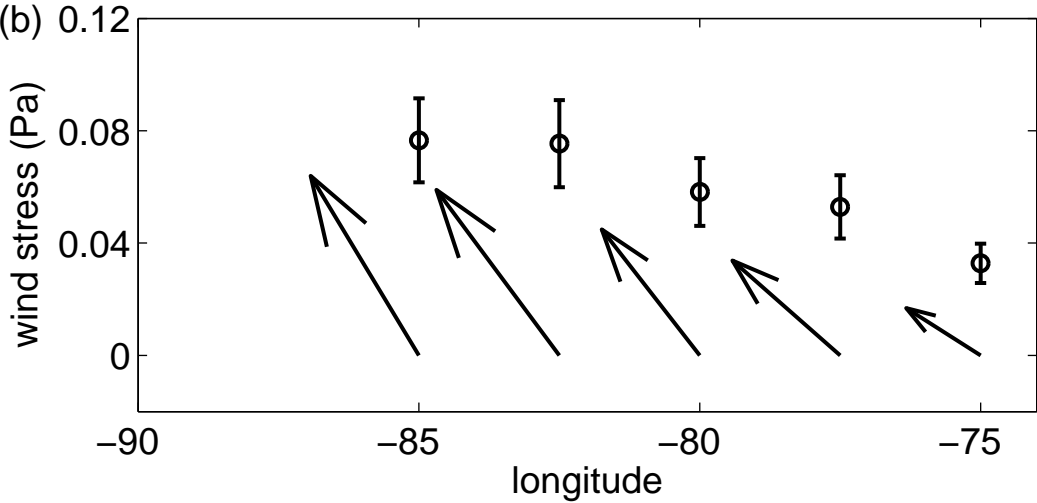
wind along 20° S

(a)

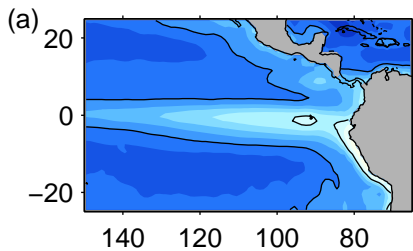


wind stress

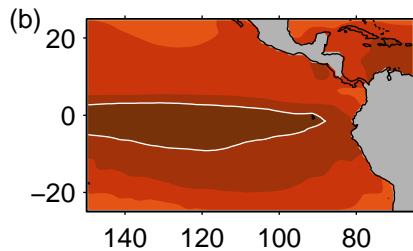
(b)



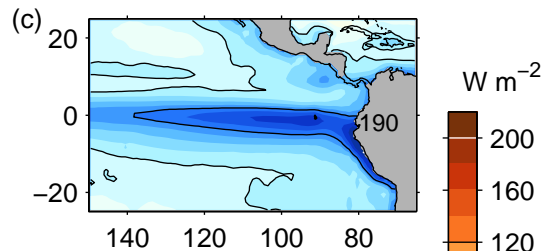
turbulent flux
WHOI OAFIux



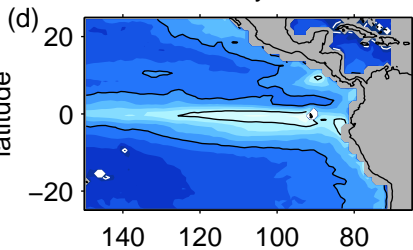
net radiative flux
ISCCP FD



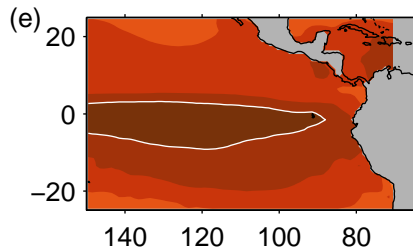
ocean residual
WHOI OAFIux



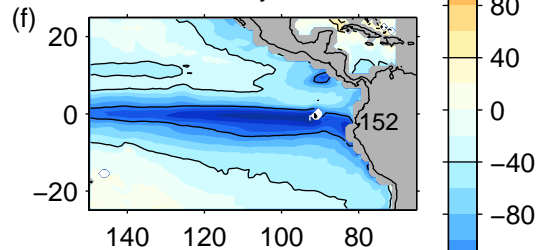
UW Hybrid



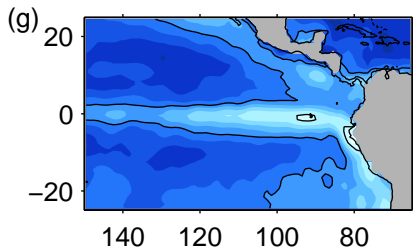
ISCCP FD



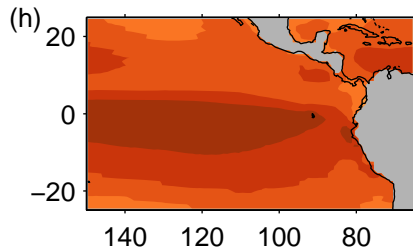
UW Hybrid



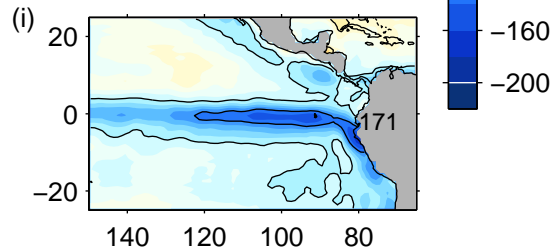
NCAR CORE



NCAR CORE



NCAR CORE



$W m^{-2}$

200

160

120

80

40

0

-40

-80

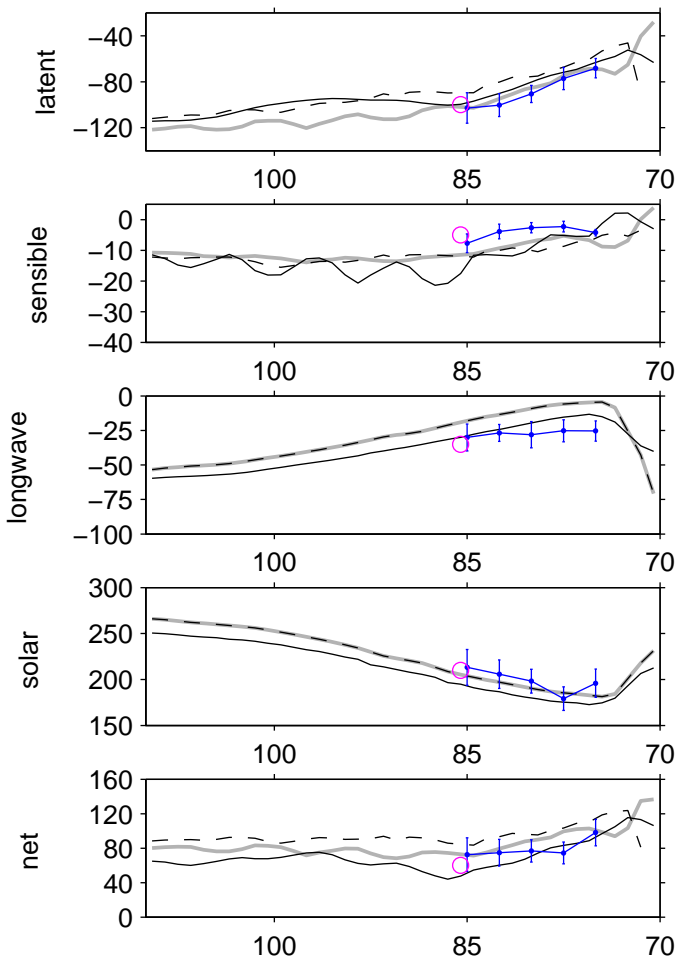
-120

-160

-200

west longitude

surface flux (W m^{-2})



— WHOI OAFlux

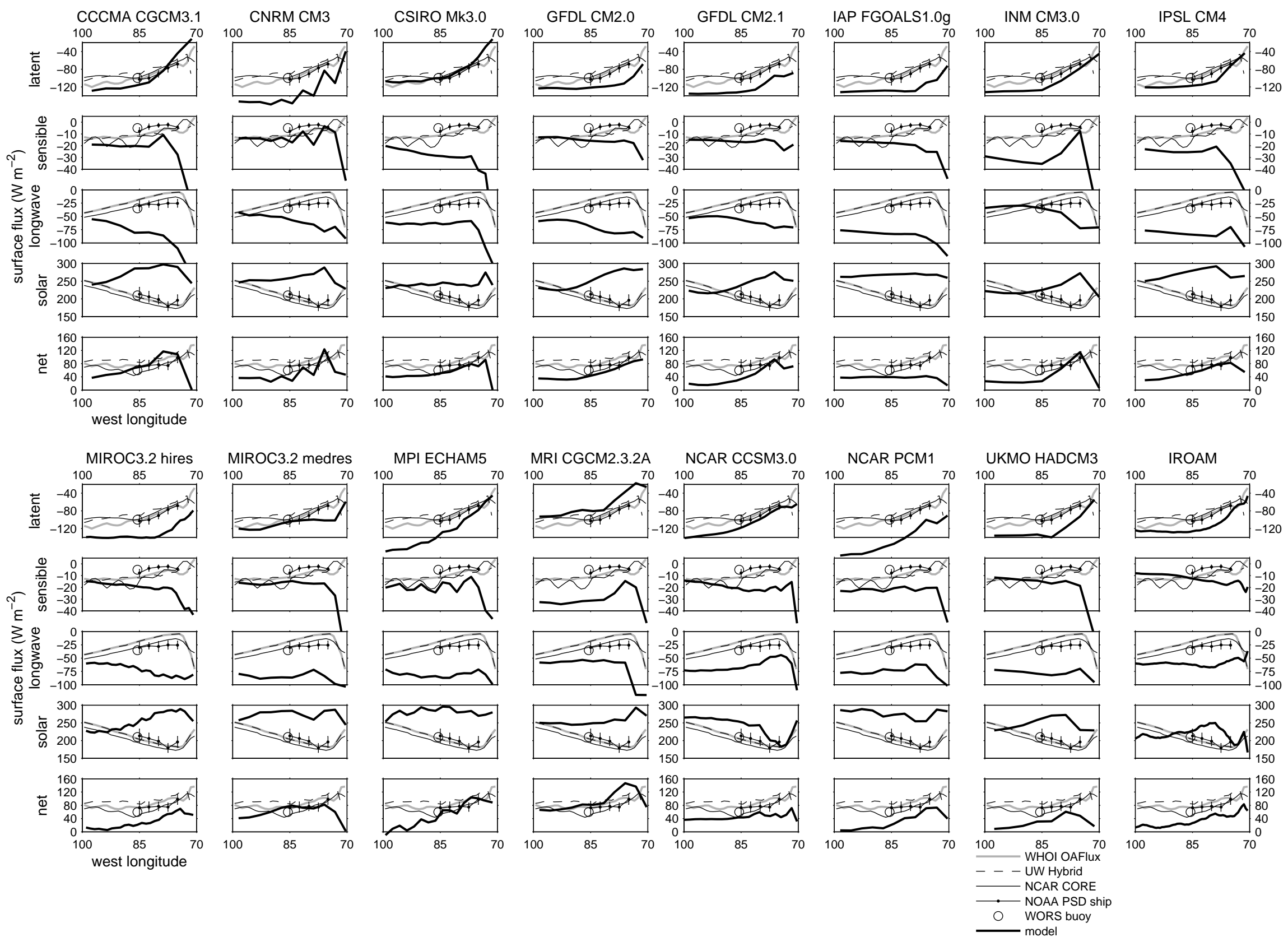
- - - UW Hybrid

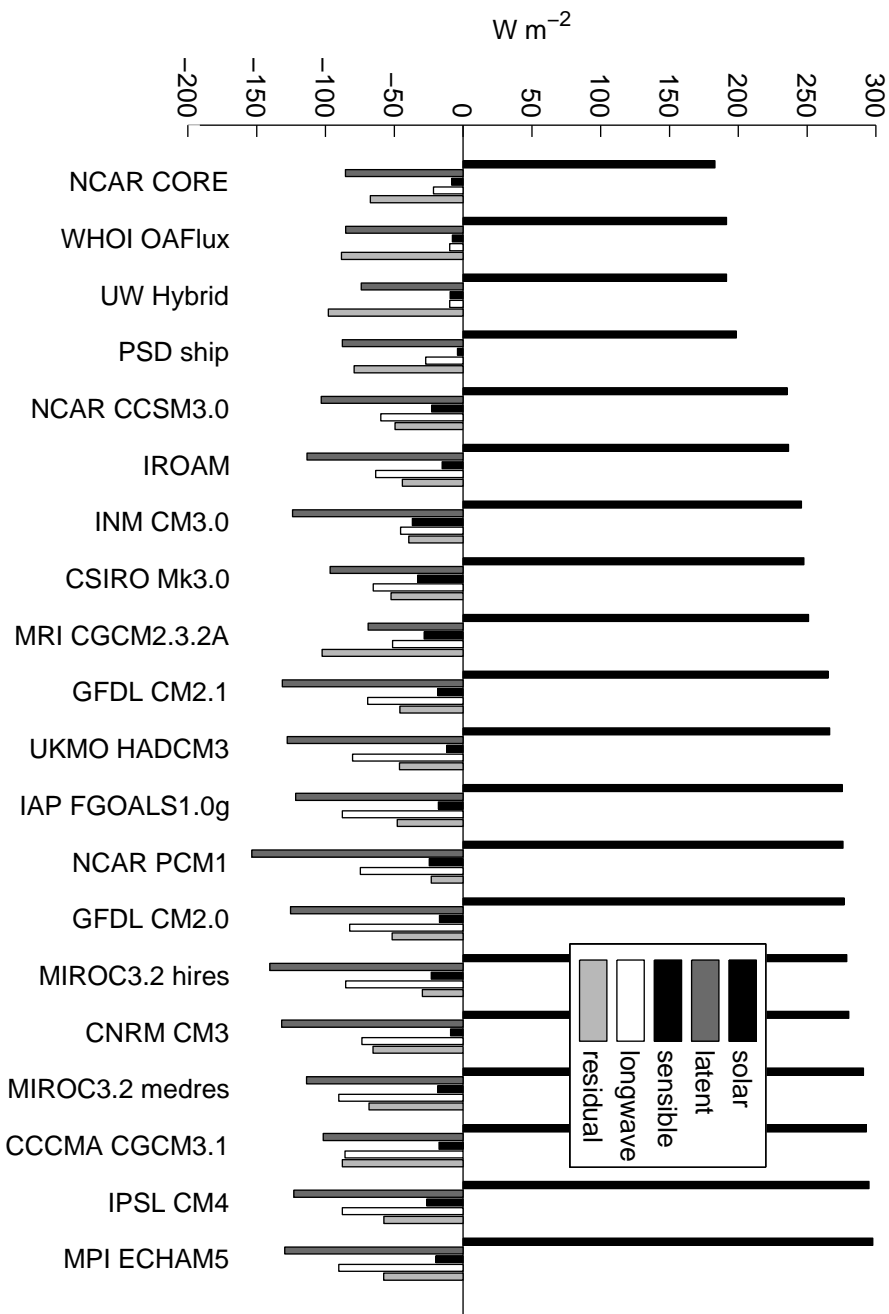
— NCAR CORE

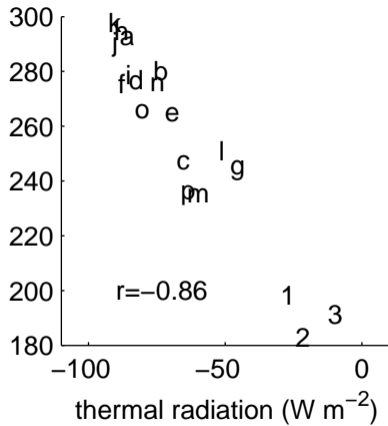
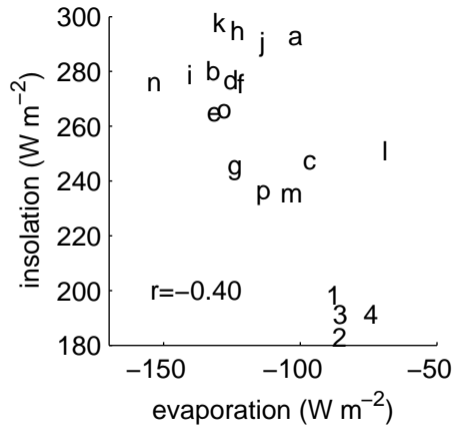
—•— NOAA PSD ship

○ WORS buoy

west longitude







- 1 PSD ship
- 2 NCAR CORE
- 3 WHOI OAFflux
- 4 UW Hybrid
- a CCCMA CGCM3.1
- b CNRM CM3
- c CSIRO Mk3.0
- d GFDL CM2.0
- e GFDL CM2.1
- f IAP FGOALS1.0g
- g INM CM3.0
- h IPSL CM4
- i MIROC3.2 hires
- j MIROC3.2 medres
- k MPI ECHAM5
- l MRI CGCM2.3.2A
- m NCAR CCSM3.0
- n NCAR PCM1
- o UKMO HADCM3
- p IROAM

