In situ buoy comparison for ECCO heat fluxes

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ECCO3 group meeting, JPL

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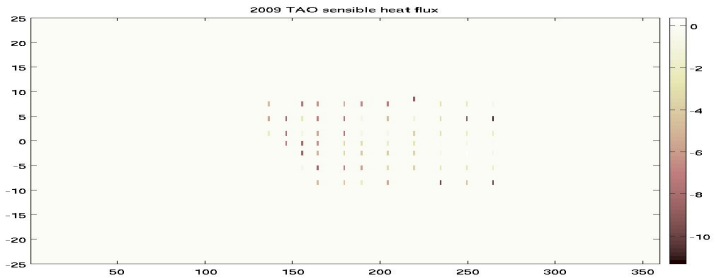
Flux buoy measurements

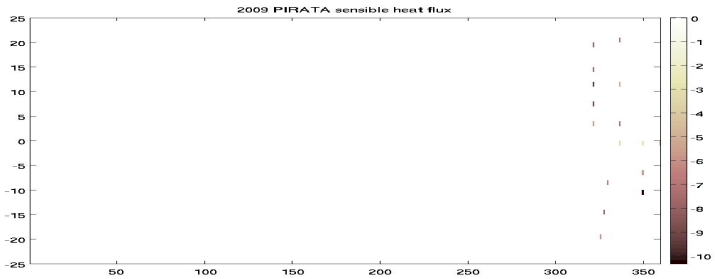
TAO/TRITON:

Tropical Pacific Ocean



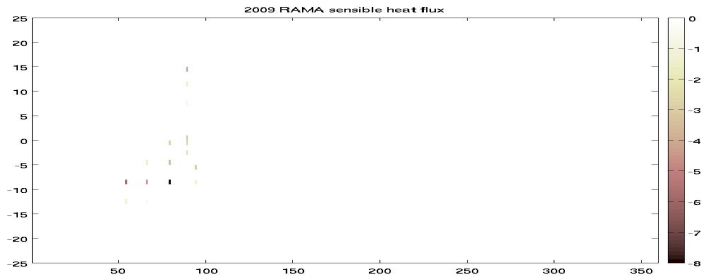
PIRATA:

Tropical Atlantic Ocean



RAMA:

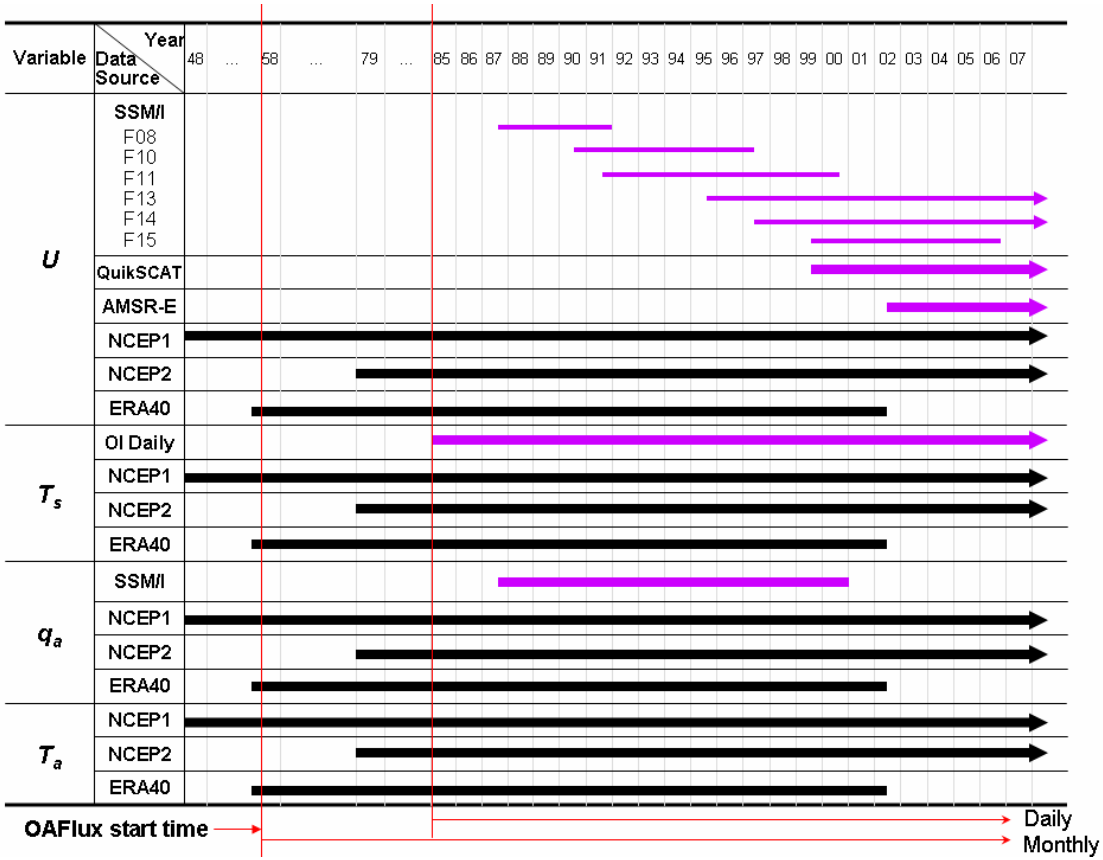
Tropical Indian Ocean



+ WHOI IMET fluxes at various sites.

Product-minus-buoy mean differences

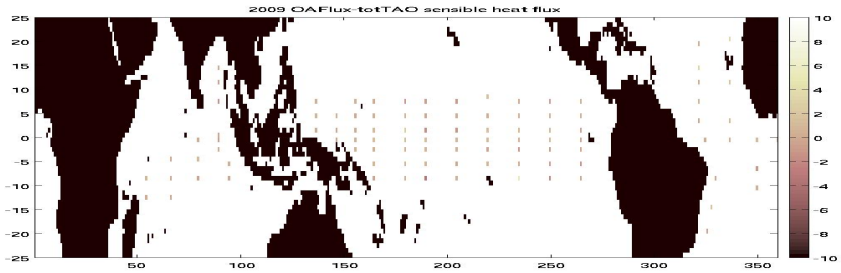
Mean Diff	SH (Wm^{-2})	LH (Wm^{-2})
∑ (OAFlux - buoy)	0.04	0.98
∑ (ERA40 - buoy)	1.79	7.04
∑ (NCEP1 - buoy)	2.62	3.71
∑ (NCEP2 - buoy)	0.01	21.06



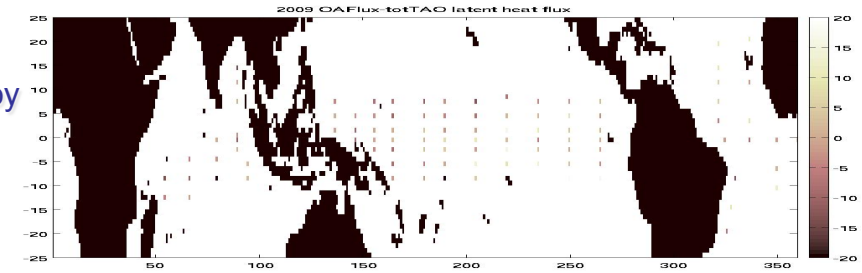
Product-minus-buoy mean differences (2009)

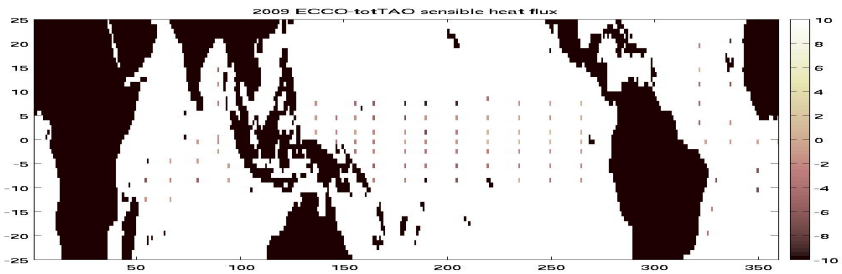
SH (Wm^{-2})

LH (Wm^{-2})

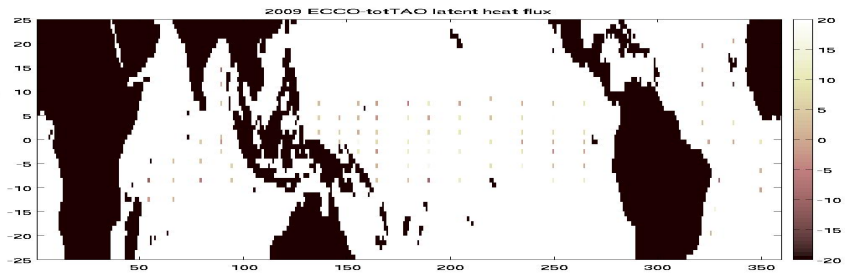


OAFlux - buoy





ECCO - buoy



Mean Diff	SH (Wm^{-2})	LH (Wm^{-2})
$\sum$ (OAFlux - buoy)	0.76	1.56
$\sum$ (ECCO - buoy)	0.76	1.55