

Lists 1-6 are tropical data used in Lindzen and Choi (2011)

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1. SST 36-day mean for 1985-1999 (tropic 20S-20N)

Name : oisst_36_20n20s_1985_1999.txt

Folder : ./obs/

2. ERBE 36-day mean flux for 1985-1999 (tropic 20S-20N)

Name : erbe_s10n_36_20n20s_1985_1999.txt

Folder : ./obs/

Content: Day# Year Mon Day LW SW

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3. SST monthly mean for 1985-2008 (tropic 20S-20N)

Source : www-pcmdi.llnl.gov

Name : amipsst_mon_20n20s_1985_2008.txt

Folder : ./obs/

Comments : LC11 used this SST for fair comparison with AMIP models

4. CERES monthly mean flux for 2000-2008 (tropic 20S-20N)

Name : ceres_es4_mon_20n20s_2000_2008.txt

Folder : ./obs/

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AMIP (Atmospheric model simulations)

(for model names, refer to Lindzen and Choi, 2011)

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5. AMIP OLR (LW), tropical (20S-20N)

11 models, different realizations

Folder: ./amip_olr/

6. AMIP OSR (SW), tropical (20S-20N)

11 models, different realizations

Folder: ./amip_osr/

* These fluxes should be compared with #3

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IDL programs

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7. main.pro

This is the main program calling all procedures, calculating feedbacks, and displaying figures.

To run this program, IDL> main

*Important user-defined parameter: flux

Select LW, SW, or LW+SW at Line 48, Line 168

The sample figure 'Fig.jpg' is feedback estimates for LW.

8. obs.pro

This procedure opens all observed data, SST, ERBE&CERE fluxes.

9. amip.pro

This procedure opens 11 AMIP model outputs (LW, SW fluxes).

10. lc11.pro

This procedure calculates feedback parameters by Lindzen-Choi method as well as simple linear regression.