

## ***Interactive comment on “ENSO surface shortwave radiation forcing over the tropical Pacific” by K. G. Pavlakis et al.***

**K. G. Pavlakis et al.**

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### General Comments

The aim of this paper was to show the DSR-A patterns and to quantify the DSR variations during the ENSO oscillation. The inclusion of all-wave net surface radiation (NTS) would produce a lengthy paper. Nevertheless we had already included some discussion on the NTS field for some regions like the Niño-3.4 region. For the referee's interest, we can provide upon request a figure with NTS anomalies during the mature phase of El Niño (NDJ). However, a more detailed investigation is beyond the scope of the present paper.

1) We have added some discussion on the physical connection between DSR and ENSO in sections 4.1, 5, in the conclusions and in the abstract.

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2) We agree with the referee that a longer record of DSR values would be better, especially by including the 1982-1983 strong El Nino. Unfortunately, no input data for cloud properties from ISCCP-D2 are available prior to July 1983. Inclusion of further ISCCP data in the years to come will help the situation and reduce uncertainties

3) The region 7-15N 150-170E, which has a high overlap with the Nino 6 region defined by Wang et al. (1999 JGR), is now renamed to "off-equatorial western Pacific region".

4) Grammatical suggestions

a) Has been changed according to the referee's suggestion

b) Done

c) Done

e) Has been changed according to referee's suggestion

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Interactive comment on Atmos. Chem. Phys. Discuss., 8, 6697, 2008.

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