

# North Asia Solar System





## Overview

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Does solar activity influence monsoon precipitation over South and East Asia?

In addition, paleo-records indicate the correlation between the long-term solar cycle and the variation of the Asian Monsoon. This study attempts to clarify the role of solar activity in monsoonal precipitation over South and East Asia.

Does the solar cycle influence the Asian summer monsoon?

The result supports reconstructed terrestrial records and underlines considerable influences of the solar cycle on the variation of the Asian Summer Monsoon.

Do solar signals indicate enhanced rainfall over Southeast Asia?

Although solar signals indicate enhanced rainfall over Southeast Asia in both early- and peak-summer, statistically insignificant signals in peak-summer and the distinct ENSO signal patterns in the two sub-seasons prompt us to differentiate them, instead of seasonal analysis, to identify the responses of AM to the climate forcing factors.

Does solar activity regulate hydroclimatic changes in Central Asia?

However, the wavelet analysis results reveal that centennial-scale variations do not persist throughout the sequence, suggesting that solar activity may not have consistently regulated hydroclimatic changes in Central Asia over at least the past 7800 years (Fig. 3 B). Fig. 3. (A) Power spectral analyses of F11 δ 18 O record.



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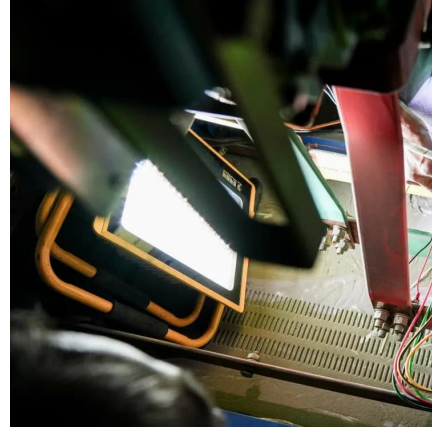
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