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PEM021-P05

Room: Convention Hall

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## On Rising of Solar Cycle 24

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Solar activity near minimum of Cycle 23 is lower comparing with recent several cycles. For example, there are 265 no-sunspot days in 2008 and 263 no-sunspot days in 2009.

This lower activity around solar minimum suggests that amplitude of Cycle 24 becomes lower. The Solar Influences Data Analysis Center (SIDC) in the Royal Observatory of Belgium reported that the smallest monthly smoothed sunspot number of 1.7 is recorded in November and December, 2008. This suggests that the minimum of Cycle 23 occurred between November and December, 2008. Now solar activity is gradually rising towards the maximum of Cycle 24. It is known that there is a positive correlation between rise time of solar cycle and amplitude of cycle. We will report the result of a statistical analysis on relationship between rise time of initial phase of cycle and amplitude of cycle.

Keywords: solar cycle, sunspot number, solar minimum, solar maximum