

**P230-007**

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## Effects of lower atmospheric disturbances on the ionosphere at Mars

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It has been pointed out that lower atmospheric disturbances are likely to affect the ionosphere through various atmospheric waves. Clear variations in the ionosphere have been observed in the Sumatra earthquake occurred in December 2004, and in eruption of the Pinatubo volcano. Smaller ionospheric variations have also been detected during other volcanic eruptions and typhoons. We will discuss whether or not such phenomena could occur at Mars.