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TRANSIT OF VENUS ACROSS THE SUN AT KALYANI SKY AND SOME NOTABLE CHANGES IN THE ATMOSPHERICS RECORD

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Abstract

The June 6, 2012 transit of Venus across the disk of the Sun reveals that there are a number of short period fading in the atmospherics level during the period of transits of Venus. The radio signal received at 92.7 MHz also exhibits a rapid variation of the voltage level with a sudden enhancement before the greatest position of the Venus. Our analysis suggests that the earth's ionosphere is affected during contact I to contact IV of the transits causing an effect on the ionospheric propagation.

Keywords: Venus, Atmospherics, Radio signals.