Changes of precipitable water vapor estimated from GPS in Thailand

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The zenith delay was estimated from GPS data at 5 stations in Thailand from April 1, 1998 to December 31, 1999 by using GAMIT software ver. 9.95. These observations are performed by GAME-T project. We converted the zenith delay to the precipitable water vapor (PWV).

The results show that the PWV in Thailand changes with a large amplitude ranging 10 – 60 mm in the dry season, on the other hand the PWV changes with a small amplitude of 10 – 15 mm in the wet season. In the dry season this PWV changes have about 1 or 2 weeks cycle, but in the wet season they have only short cycles such as daily change.