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El Nino and VLBI measured LOD

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Content :

Short term (daily to annual) variations in LOD are highly correlated with Atmospheric Angular Momentum. It has been known since the late 1980s and early 1990s that you could detect the effect of El Nino in the Length of Day (LOD). I review these results, paying particular attention to the current El Nino which is still developing, and is one of the strongest ever recorded. I look at correlation with Modified Enso Index and VLBI measured LOD. I also discuss the cumulative effect of the El Nino on UT1.

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