Behaviors of the zenith tropospheric delay based on GPS/SINEX data of GSI during the local severe rain at Kochi in 1998

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We researched behaviors of the zenith tropospheric delay (ZTD) during the local severe rain at Kochi in 1998, using GPS/SINEX data of GSI. It was obvious that the ZTD decreased just before the local severe rain. The cause of the decrease might be the influx of dry air or the decrease of mixing ratio on surface.