

Estimates of tropospheric zenith delay based GPS observations in China

Teruyuki Kato [1], Takeshi Matsushima [2], Yoshiko Kotake [3], Jianxin Li [4], Yuki Hatanaka [5]

[1] Earthq. Res. Inst., Univ. Tokyo, [2] SEVO, Fac. of Sci., Kyushu Univ., [3] ERI, Univ. Tokyo, [4] Space and Earth Sci., Ibaraki Univ, [5] Research Center, Geographical Survey Inst.

New GPS sites have been established in Tianjin and other sites in China, based on GPS Meteorology project. Preliminary analysis using 19 sites including Tianjin, IGS and other sites in the western Pacific has been made. The result suggest that the mass of precipitable water vapor moves from the continent to Japanese islands.