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Future plans of geodetic continuous observations: GEONET, tidal gauge stations, and strain/tilt meters

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The Geodetic Observation Center of GSI is responsible for the geodetic continuous observations in Japan, and has been operating 1) GPS-based control stations at 1,240 sites (i.e. GEONET: GPS Earth Observation System Network), 2) tidal gauge stations at 27 sites, and 3) strain / tilt meters at Omaezaki and other districts. This paper presents technical and strategic discussions on the future operation of these facilities, based on the review on the outputs and performances of each facility. A strategy to incorporate new GNSS into GEONET will be discussed.