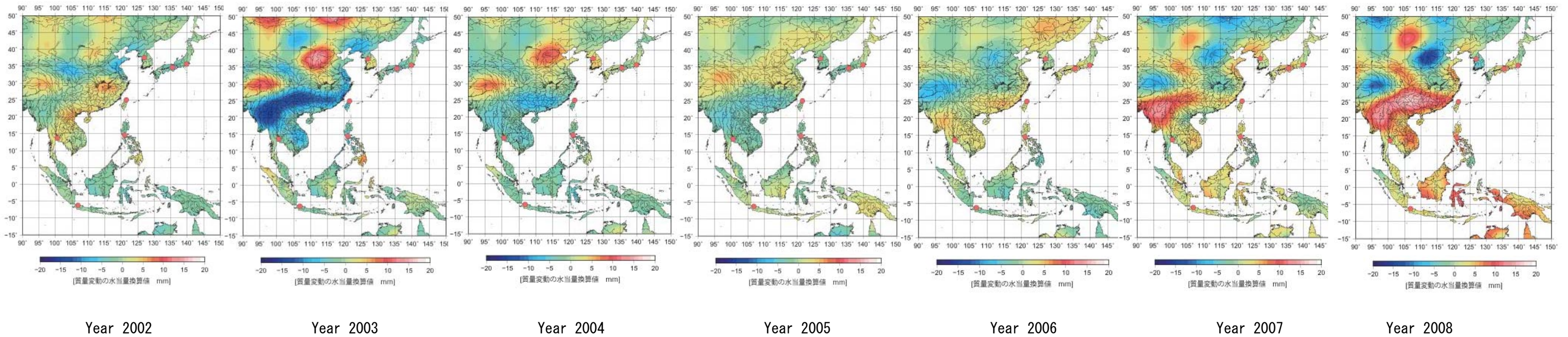


## ● Terrestrial water storage variations over Asia



The figures show temporal variations of yearly averaged terrestrial water storage (the total amount of water existing over the land area, including river water, soil moisture, groundwater, snow, etc.) over Asia from 2002 to 2008, which were recovered from satellite gravity mission GRACE data.

GRACE satellite observes temporal variations of the Earth's gravity field precisely. The gravity field variations correspond to the mass variations on and beneath the Earth surface. Because many geophysical phenomena occurring on the Earth, e.g. landwater movements, ocean flow, ice sheet mass changes, mass changes associated with earthquakes, etc., accompany mass movement, we can recover those variations using GRACE data.

(The figures were made from CNES/GRGS 10-day gravity field solutions, version2.)