



Application of GNSS in Oceanographic Research

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How to use GNSS in oceanographic research is one of hot topics. Now GNSS have been used in underwater positioning, sea level determination, kinematic precise point positioning, troposphere and ionosphere solution, speed of high precision calculation. This paper discussed research status about tide determination in centimeter level, kinematic troposphere (ionospheric) solution and precisely solution of buoy velocity to find the problem exist in these researches. Some problem are discussed for precise tide determination, non-difference GNSS to determine buoy velocity and wave amplitude and measurement of shipborne GNSS in marine atmosphere and marine geomagnetic disturbance.