

receiving stations are placed near Odessa (Ukraine). Radio waves of broadcast stations are used for sounding. Distance between transmitters and receivers was 300-450 km. Output data is Signal strength, Doppler-shift, Doppler spectrum. We have analyzed data which relate to solar eclipse August 1, 2008. A quasi wave disturbance of E-layer concerned with solar eclipse was revealed. Mean wave period is 23,6 min. The beginning of the disturbance corresponds to time, when the shadow cone has not yet reached the Earth. It allows as suspecting, that initial disturbance has arisen in a magnetosphere and then was transferred to an ionosphere.