

## عنوان مقاله:

Daily Mean Sea Level and Atmospheric Pressure along The Coasts of the Persian Gulf

## محل انتشار:

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## خلاصه مقاله:

Daily mean sea level variability and its response to atmospheric pressure along the coast of the Persian Gulf are investigated. Daily values of sea level and atmospheric pressure covering the period 1990-2000 from 3 stations, Bandar Abbas, Kangan and Bushehr are analyzed. The sea level and the air pressure in all the data set have a definite seasonal signal, and higher frequency oscillations at time scale of several days to several weeks are also observed. Among the short-period oscillation of sea level with period shorter than one year, the period of around 1 year is dominant in most study stations. According to the statistical analysis of sea level and air pressure, the length scale of sea level variability is smaller than that of air pressure for the present study area. The overall variability of sea level is found to be the smallest around Bushehr coast and the largest in the Bandar Abbas coast. Large short-period (<3 months) sea level variability is found in Bushehr coast and large long period (>3 months) variability in Kangan coasts. The present result implies that the short-period sea level variability is less affected by air pressure. Generally .the sea level response to air pressure is found to be isostatic

## کلمات کلیدی:

Persian Gulf, mean sea level, atmospheric pressure, short-period, long period

## لینک ثابت مقاله در پایگاه سیویلیکا:

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