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Satellite research of the Black sea surface temperature anomalies and its relation to other physical phenomena

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This paper presents an analysis of the short-term temperature anomalies on the Black Sea surface for a period of eleven consecutive years. 46 anomalies with duration of up to ten days have been analyzed. The peculiarities of the output satellite data processing are described. Synchronous processing is performed of the sea surface temperature data and the solar and geomagnetic activity data as well as the seismic activity data in the region. Comparing the spread of anomalies and the solar activity, we have shown that it is less probable for a temperature anomaly to originate at peak values of the solar activity has not been observed. This research investigates the influence of minor factors like the motion of the Moon. A connection between the moon phases and its position in its orbit with the surface temperature has been registered. The research process involves an attempt to explain the relation between the investigated parameters