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Influence of the Kuroshio velocities against coastal sea level in western most islands of Japan

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Kuroshio on coastal sea level in Okinawa and Ishigaki Island has been examined. KE indicates more influence than speed of Kuroshio values between Ishigaki and Okinawa Island have been shown in this research. The correlation value of Ishigaki for speed and KE are reached out 0.7 and 0.72, respectively which indicate the sea level are related with Kuroshio velocity, as coastal sea level decreases (increases) when Kuroshio velocity slower (faster). Whereas the Okinawa exhibit correlation value which is less than 0.4. All correlation values are corresponding with map of correlation between sea level anomalies and current velocity around Taiwan and Ryukyu Island, that shown if near of Ishigaki have higher correlation than Okinawa.

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