

## Research on the accuracy control of DSM estimated from PALSAR-data

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Affected by global warming, it is estimated that the sea level is rising up to 59cm by the end of this century. For this reason, it is necessary to create especially the elevation data of lowlands along the sea. In this research, elevation data was created in accordance with two or more DSM creation methods. And, we examined the comparison method of DEM and DSM accuracy generated by each method and compared the accuracy in the same field of the DEM and DSM generated by GSI-10m, LP, ALOS/PRISIM, and ALOS/PALSAR. In addition, we examined the comparison method of PALSAR-data targeted the Marshall Islands.

Keywords: DEM, DSM, precision criterion