

ANALYSIS OF NEW ORLEANS LANDSCAPE BEFORE AND AFTER HURRICANE KATRINA UTILIZING RADARSAT-1 SYNTHETIC APERTURE RADAR (SAR) DATA

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Abstract

Recently, Canadian Space Agency (CSA), in corporation with NASA and USGS, released an International AO for researching innovative approaches to the exploitation of RADARSAT-1 data for subsidence measurement. Using differential Interferometric SAR (IFSAR) techniques, it was discovered that this data was able to accurately measure landscape changes of the New Orleans area before and after Hurricane Katrina. Our team was one of those chosen by CSA from the international pool of applicants to process the data. In this talk, we will give an overview of IFSAR processing and then discuss the results of our analysis of the data.

[Abstract Only]

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