

Floods monitoring using ENVISAT / MERIS

Abstract

The object of this research work is to determine the suitability of data MERIS for monitoring floods. This study deals with issues of optical satellite data with medium spatial resolution for monitoring floods. It gives an overview of the use of methods for detection of flooding. Possibilities of data are practically tested on the selected archived data using the ESA of designed algorithm. A partial order is also screening the suitability of data for the Czech Republic. Processing of satellite data was done using free software Beam. Evaluation of possible use for monitoring is done on the basis of the resulting map outputs.

Keywords: Floods, Envisat, MERIS