A Big Earth Data Platform for Three Poles

**Wave dataset of southern Sri Lanka sea area (201309-201405)**

1、Description

This data set collects the wave tide level data of the southern sea area of Sri Lanka from September 2013 to October 2014. Sri Lanka is located in the core node of the "maritime Silk Road", which is the necessary node of our oil transportation lifeline. The wave observation data of this sea area is of great significance to understand the wave characteristics of this sea area and ensure the navigation safety of cargo ships and sea convoys. The data is obtained by the pressure sensor deployed on the seabed, and the data reliability is ensured by the quality control segments such as the removal of abnormal values. This data is of great significance to the analysis of marine disaster assessment, ship passing safety assessment and the study of wave characteristics in the sea area.

2、Keywords

Theme：Ocean harzard,Natural Disaster  
Discipline：Human-nature Relationship  
Places：Eastern Indian Ocean, Sri Lanka, Maritime Silk Road  
Time：2013-2014

3、Data details

1.Scale：None

2.Projection：None

3.Filesize：2.02MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：5.934 | - |
| west：80.574 | - | east：80.574 |
| - | south：5.934 | - |

5、Time frame:2013-09-28 16:00:00+00:00--2014-05-15 16:00:00+00:00

6、Reference method

References to data:

LUO Yao. Wave dataset of southern Sri Lanka sea area (201309-201405). A Big Earth Data Platform for Three Poles, doi:10.11888/Disas.tpdc.2704382020

References to articles:

Luo, Y., Wang, D.\*, Gamage, T.P., Zhou, F., Widanage, C.M., and Liu, T. (2018). Wind and wave dataset for Matara, Sri Lanka, Earth Syst. Sci. Data, 10, 131-138, https://doi.org/10.5194/essd-10-131-2018.

7、Supporting project information

Pan-Third Pole Environment Study for a Green Silk Road-A CAS Strategic Priority A Program

8、Data resource provider

name: LUO Yao  
unit:   
email: yaoluo@scsio.ac.cn