A Big Earth Data Platform for Three Poles

**Strain data set of Xuefengshan tectonic belt in South China (Middle Triassic)**

1、Description

This data set is the structural data of Xuefengshan structural belt in South China, including stratigraphic occurrence, foliation and lineation of metamorphic rocks, and fold axis direction. The data comes from the field measurement of Xuefengshan structural belt in South China. The deformation data of rocks in each structural unit in Xuefengshan structural belt are measured in detail by using geological compass, and the strain parameters are calculated by using Excel indoor, and the solution of strain ellipsoid at each measuring point is finally completed. This data can provide tectonic geological support for the strain heterogeneity in the Xuefengshan tectonic belt and the formation of arc structures in the orogenic belt. The above data have been published in SCI high-level journals, and the data are true and reliable. The data is stored in Excel.

2、Keywords

Theme：strain,Tectonics,stress
Discipline：Solid earth
Places：Xuefengshan, South China
Time：Middle Triassic

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.02MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：28.35 | - |
| west：109.73 | - | east：112.5 |
| - | south：26.23 | - |

5、Time frame:None--None

6、Reference method

References to data:

CHU Yang. Strain data set of Xuefengshan tectonic belt in South China (Middle Triassic). A Big Earth Data Platform for Three Poles, doi:org/10.1016/j.jsg.2018.08.0022021

References to articles:

Chu, Y., Lin, W. (2018). Strain analysis of the Xuefengshan Belt, South China: From internal strain variation to formation of the orogenic curvature. Journal of Structural Geology, 116, 131-145.

7、Supporting project information

The deep process and resource effect of major geological events in Yanshan period (2016YFC0600400)

8、Data resource provider

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