A Big Earth Data Platform for Three Poles

**Stratigraphic column of Devonian SZ2 section in Xainza, Tibet**

1、Description

Paleozoic strata are well developed and widely outcropped around the Xainza area of central Tibet. Among them, the Devonian succession was first introduced during the geological survey in the late 1970s, and was suggested to comprise the Middle Devonian Dardong Group (including the Lower and Upper formations) and the Upper Devonian Chaguoluoma Formation. However, high-resolution stratigraphic framework and palaeontological research are still lacking for the Lower Devonian in study area. This investigation focus on the Dardong Formation in this area, and detailed geological survey and detailed sampling were carried out in order to improve stratigraphic correlation in central Tibet. The Dardong Formation mainly consists of carbonate and siliciclastic sediments, yielding abundant fossils such as brachiopods, corals, cephalopods, conodonts, tentaculites, etc. The Xainza II section is exposed along the cliff of a mountain. The studied Dardong Formation can be divided into five lithological units in ascending order: 1) light grey to grey medium- to thick-bedded limestone with cross-bedding in the middle part, yielding fragments of brachiopods and crinoid stems; 2) grayish white thin- to medium- bedded siltstone; 3) light grey to grey thin- to medium-bedded limestone, containing colonial corals and crinoid stems; 4) grey medium- to thick-bedded limestone; 5) light grey medium-bedded limestone with fragments of crinoid stems, partially covered in the upper part. This dataset includes the stratigraphic column of the SZ2 section and outcrop photos in the Xainza area, central Tibet.

2、Keywords

Theme：Paleontology,conodonts,Strata
Discipline：Solid earth
Places：Xainza County
Time：Devonian

3、Data details

1.Scale：None

2.Projection：None

3.Filesize：31.6MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：31.13 | - |
| west：88.63 | - | east：88.63 |
| - | south：31.13 | - |

5、Time frame:None--None

6、Reference method

References to data:

GUO Wen. Stratigraphic column of Devonian SZ2 section in Xainza, Tibet. A Big Earth Data Platform for Three Poles, doi:10.11888/SolidEar.tpdc.2729612021

References to articles:

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

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