A Big Earth Data Platform for Three Poles

**Comprehensive observation data set of cloud precipitation process in Southeast Tibet (2019-2021)**

1、Description

This data set is a sub data set of the comprehensive observation data set of cloud precipitation process, which is derived from the field observation test of cloud precipitation physical process carried out in Nyingchi area from 2019 to 2021. The observation instruments include Ka band millimeter wave cloud radar, micro rain radar and raindrop spectrometer. The observation elements of Ka band milliwave Cloud Radar include fixed-point vertical observation, RHI scanning observation and volume scanning observation data, The observation elements of micro rain radar include particle spectrum, liquid water content and precipitation intensity. The observation elements of raindrop spectrometer include particle spectrum and precipitation intensity. This data set can provide data support for the study of the formation mechanism and change trend of cloud precipitation physical process in Southeast Tibet and the response mechanism to westerly monsoon change.

2、Keywords

Theme：DSD,Precipitation,Ka band milliwave Cloud Radar,Radar Weather,Micro rain radar
Discipline：Atmosphere
Places：Linzhi, Tibet
Time：2019-2021

3、Data details

1.Scale：None

2.Projection：None

3.Filesize：39761.0MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：31.5 | - |
| west：92.5 | - | east：96.5 |
| - | south：27.5 | - |

5、Time frame:2019-08-21 16:00:00+00:00--2021-06-17 16:00:00+00:00

6、Reference method

References to data:

FU Danhong . Comprehensive observation data set of cloud precipitation process in Southeast Tibet (2019-2021). A Big Earth Data Platform for Three Poles, doi:10.11888/Atmos.tpdc.2729492021

References to articles:

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

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