A Big Earth Data Platform for Three Poles

**The data of project on the impact of climate and glacier evolution on resources and sustainable development in Lijiang Yulong Snow Mountain Region**

1、Description

Impact of Climate and Glacier Evolution in Southwest Monsoon Region on Resources and Sustainable Development in Lijiang-Yulong Snow Mountain Region Project is a major research program of "Environmental and Ecological Science in Western China" sponsored by the National Natural Science Foundation. The person in charge is a researcher from He Yuanqing, Institute of Environment and Engineering in Cold and Arid Regions, Chinese Academy of Sciences. The project runs from January 2004 to December 2006.
This project collects data: the data of Yulong Snow Mountain Glacier and Environment Observation and Research Station are compiled in word document, and the data content includes:
1. Material Balance of Baishui Glacier No.1 from September to December 2008 (Profile, Lever, Accumulation and Dissipation)
2.Changes of Baishui Glacier No.1 in Yulong Snow Mountain from 1997 to 2008 (date, end elevation, end advancing and retreating distance, south advancing and retreating distance)
3. Monthly Average Flow Statistics of Mujia Station from 1979 to 2003 (Annual Average Flow, Annual Maximum Flow, Annual Maximum Time, Annual Minimum Flow, and Annual Minimum Time)
4. Meteorological data of the test station of Yulong Snow Mountain Glacier Observation Room
From 2000 to 2008, the daily average temperature (℃), daily precipitation (mm), daily average relative humidity, daily average sunshine hours, daily air pressure value and daily average wind speed of the base camp weather station.
From 2006 to 2008, Ganhaizi Meteorological Station daily average temperature (℃), daily precipitation (mm), daily average relative humidity, daily average sunshine hours, daily air pressure value and daily average wind speed
In 2008, the day-to-day average temperature table (℃), day-to-day precipitation (mm), day-to-day average relative humidity, day-to-day average sunshine hours, day-to-day air pressure value and day-to-day average wind speed in the Baishui No.1 glacier accumulation area of Yulong Snow Mountain.
In 2008, the day-to-day average temperature table (℃), day-to-day precipitation (mm), day-to-day average relative humidity, day-to-day average sunshine hours, day-to-day air pressure, and day-to-day average wind speed at the end of glacier Baishui No.1 in Yulong Snow Mountain were recorded.
Dew point temperature of Ganhaizi from 2006 to 2008
Daily average CO2 content (ppm) at Ganhaizi Meteorological Station from 2006 to 2007
Air Water Vapor Pressure (kPa) at Glacier Terminal Meteorological Station
Air Water Vapor Pressure (kPa) of Meteorological Station in Glacier Accumulation Area
5. glacier ice Temperature Data of Baishui No.1, Yulong Snow Mountain
Measured resistance values of ice temperature holes at measuring points 1, 2 and 3

2、Keywords

Theme：Precipitation,Mass balance,Glacier(Ice Sheet),Meteorological element
Discipline：Atmosphere,Cryosphere
Places：Yunnan Province, Lijiang Yulong Snow Mountain
Time：

3、Data details

1.Scale：None

2.Projection：None

3.Filesize：6.24MB

4.Data format：文档

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：29.3 | - |
| west：97.4 | - | east：106.3 |
| - | south：21.05 | - |

5、Time frame:None--None

6、Reference method

References to data:

HE Yuanqing. The data of project on the impact of climate and glacier evolution on resources and sustainable development in Lijiang Yulong Snow Mountain Region. A Big Earth Data Platform for Three Poles, doi:10.11888/Glacio.tpdc.2706242012

References to articles:

何元庆等. (2009). 玉龙雪山冰川与环境观测研究站资料整编, 中国科学院寒区旱区环境与工程研究所.

7、Supporting project information

8、Data resource provider

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