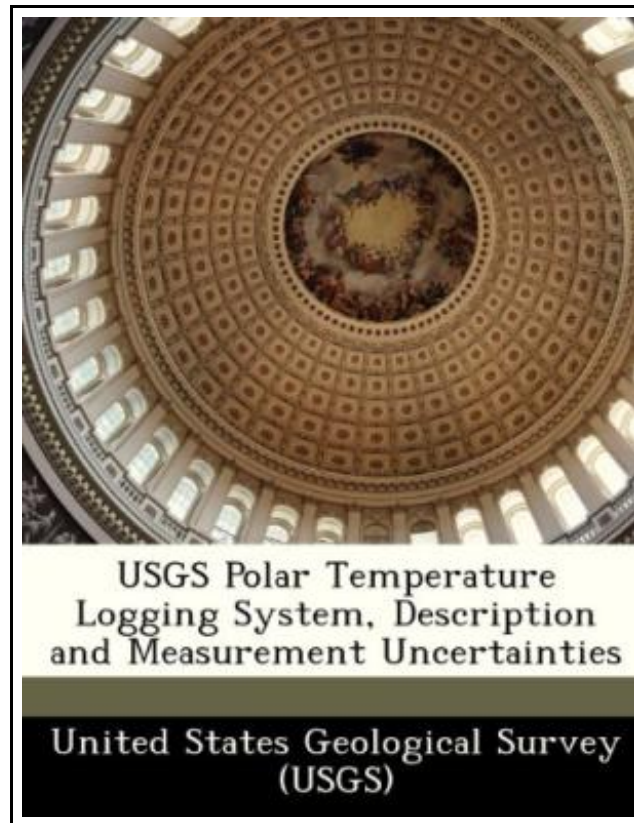


Usgs Polar Temperature Logging System, Description and Measurement Uncertainties



Filesize: 7.47 MB

Reviews

Extremely helpful to all of group of individuals. It really is loaded with knowledge and wisdom Its been designed in an extremely basic way and is particularly simply after i finished reading through this ebook where actually altered me, affect the way i believe.

(Lily Ryan)

USGS POLAR TEMPERATURE LOGGING SYSTEM, DESCRIPTION AND MEASUREMENT UNCERTAINTIES



To get **Usgs Polar Temperature Logging System, Description and Measurement Uncertainties** eBook, you should follow the hyperlink listed below and download the ebook or get access to other information which are in conjunction with USGS POLAR TEMPERATURE LOGGING SYSTEM, DESCRIPTION AND MEASUREMENT UNCERTAINTIES book.

Bibliogov, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This paper provides an updated technical description of the USGS Polar Temperature Logging System (PTLS) and a complete assessment of the measurement uncertainties. This measurement system is used to acquire subsurface temperature data for climate-change detection in the polar regions and for reconstructing past climate changes using the borehole paleothermometry inverse method. Specifically designed for polar conditions, the PTLS can measure temperatures as low as -60 degrees Celsius with a sensitivity ranging from 0.02 to 0.19 millikelvin (mK). A modular design allows the PTLS to reach depths as great as 4.5 kilometers with a skid-mounted winch unit or 650 meters with a small helicopter-transportable unit. The standard uncertainty (uT) of the ITS-90 temperature measurements obtained with the current PTLS range from 3.0 mK at -60 degrees Celsius to 3.3 mK at 0 degrees Celsius. Relative temperature measurements used for borehole paleothermometry have a standard uncertainty (urT) whose upper limit ranges from 1.6 mK at -60 degrees Celsius to 2.0 mK at 0 degrees Celsius. The uncertainty of a temperature sensor's depth during a log depends on specific borehole conditions and the temperature near the winch and thus must be treated on a case-by-case basis. However, recent experience indicates that when logging conditions are favorable, the 4.5-kilometer system is capable of producing depths with a standard uncertainty (uZ) on the order of 200-250 parts per million.



[Read Usgs Polar Temperature Logging System, Description and Measurement Uncertainties Online](#)



[Download PDF Usgs Polar Temperature Logging System, Description and Measurement Uncertainties](#)

See Also



[PDF] Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications .

Access the web link below to get "Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications ." PDF file.

[Read eBook »](#)



[PDF] Growing Up: From Baby to Adult High Beginning Book with Online Access

Access the web link below to get "Growing Up: From Baby to Adult High Beginning Book with Online Access" PDF file.

[Read eBook »](#)



[PDF] Games with Books : 28 of the Best Childrens Books and How to Use Them to Help Your Child Learn - From Preschool to Third Grade

Access the web link below to get "Games with Books : 28 of the Best Childrens Books and How to Use Them to Help Your Child Learn - From Preschool to Third Grade" PDF file.

[Read eBook »](#)



[PDF] Games with Books : Twenty-Eight of the Best Childrens Books and How to Use Them to Help Your Child Learn - from Preschool to Third Grade

Access the web link below to get "Games with Books : Twenty-Eight of the Best Childrens Books and How to Use Them to Help Your Child Learn - from Preschool to Third Grade" PDF file.

[Read eBook »](#)



[PDF] I Am Reading: Nurturing Young Children s Meaning Making and Joyful Engagement with Any Book

Access the web link below to get "I Am Reading: Nurturing Young Children s Meaning Making and Joyful Engagement with Any Book" PDF file.

[Read eBook »](#)



[PDF] TJ new concept of the Preschool Quality Education Engineering: new happy learning young children (3-5 years old) daily learning book Intermediate (2)(Chinese Edition)

Access the web link below to get "TJ new concept of the Preschool Quality Education Engineering: new happy learning young children (3-5 years old) daily learning book Intermediate (2)(Chinese Edition)" PDF file.

[Read eBook »](#)