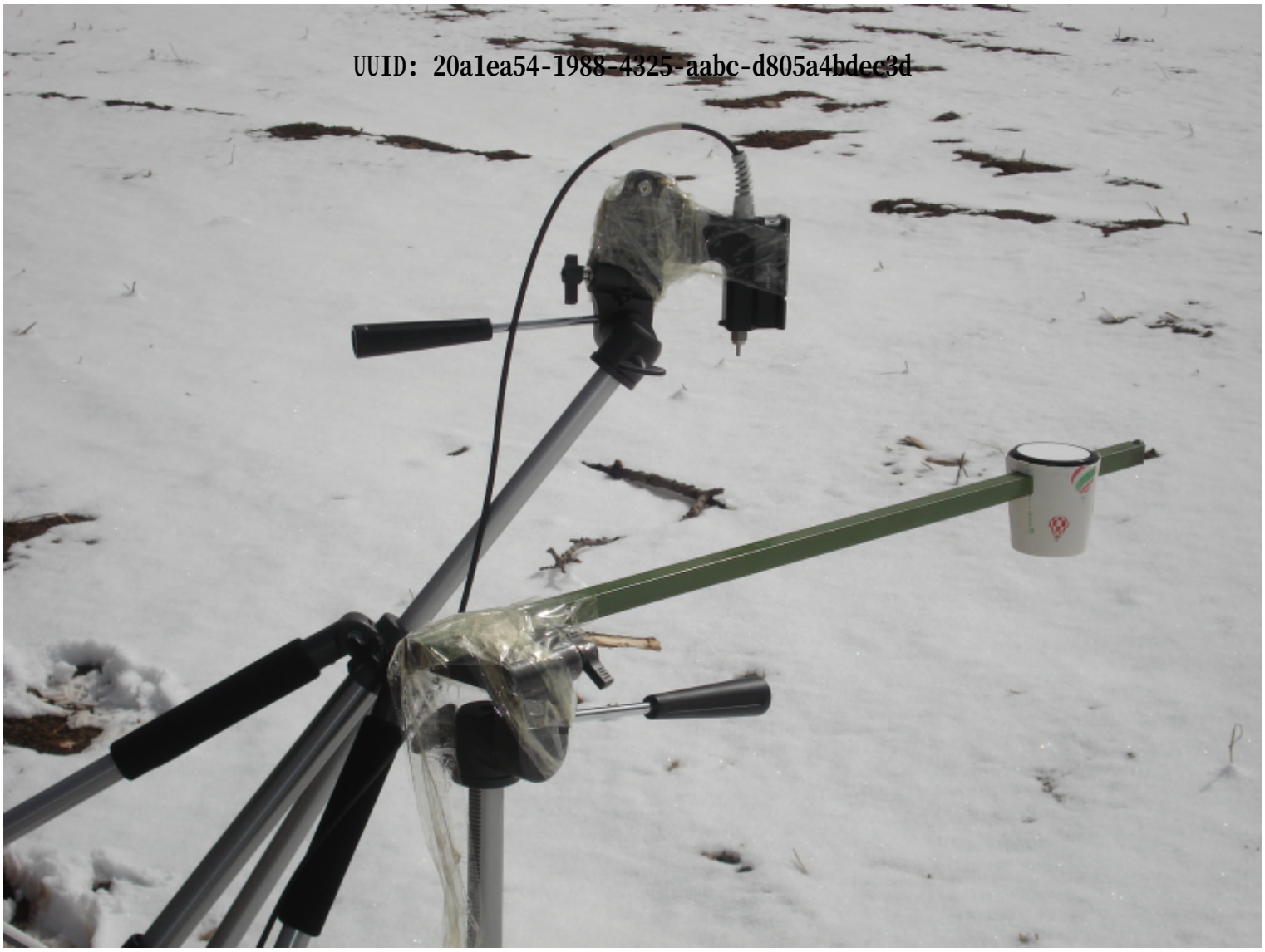
Cold and Arid Regions Science Data Center

WATER: Dataset of fresh snow properties observations at the temporary sampling plot in Qilian, in the Binggou watershed foci experimental area on Mar. 20, 2008



WATER: Dataset of fresh snow properties observations at the temporary sampling plot in Qilian, in the Binggou watershed foci experimental area on Mar. 20, 2008

Abstract

The dataset of fresh snow properties observations was obtained at the temporary sampling plot in the Qilian county on Mar. 20, 2008. Those provide reliable data for retrieval of snow parameters from remote sensing approaches.

Observation items included:

(1) Snow parameters such as snow depth, snow grain size by the handheld microscope, and snow density by the snow shovel

(2) Fresh snow albedo by the total radiometer

(3) Fresh snow spectrum by ASD

Two files including raw data and preprocessed data were archived.

Keywords

Theme: snow reflectence, spectrometer, the snow density, the snow grain sizes, the snow depth,
Place: the Heihe River Basin, the cold region hydrology experimental area, Binggou watershed foci experimental area,
Temporal: 2008-03-20,
Discipline:
Statrum:

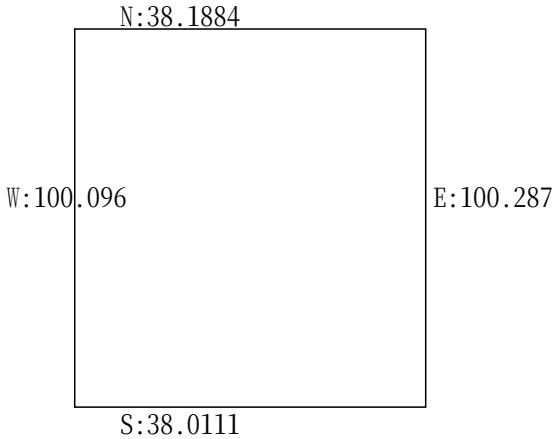
ISO 19115 Category

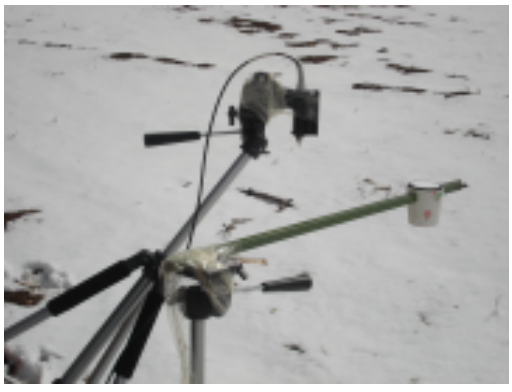
Category: geoscientificInformation

Detail

Project: +proj=longlat +datum=WGS84 +no_defs
Data Volume(MB): 57.9
Data Format: table

Position and Thumbnail





Temporal Range

Start: 2008-03-20
End: 2008-03-20

Citation

Wang Jian, Ge Chunmei, Liu Yan, Shu Lele, Wang Xufeng, Xu Zhen, Zhu Shijie, Zhang Pu. WATER: Dataset of fresh snow properties observations at the temporary sampling plot in Qilian, in the Binggou watershed foci

experimental area on Mar. 20, 2008. Cold and Arid Regions Environmental and Engineering Research Institute, Chinese Academy of Sciences; Institute of Desert Meteorology, CMA, Urumqi. 2008. doi:10.3972/water973.0088.db

Recommended Publications

DOI

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1. The CAS (Chinese Academy of Sciences) Action Plan for West Development Project：Watershed Airborne Telemetry Experimental Research (WATER)(No: KZCX2-XB2-09)
2. National Program on Key Basic Research Project (973 Program)：Theory and method for a synthetic retrieval of terrestrial ecological variables from both active and passive remote sensing approaches(No: 2007CB714400)

Limitation

1. The dataset is generated from the "Watershed Airborne Telemetry Experimental Research (WATER) “, the user must have a clear statement in the article of the original data source and adopt the reference style providing by the metadata in the References section.

Online Resources

1. WATER data report http://westdc.westgis.ac.cn/doc/数据总体报告v1.pdf
2. WATER Website http://water.westgis.ac.cn
3. metadata link http://westdc.westgis.ac.cn/data/20a1ea54-1988-4325-aabc-d805a4bdec3d
4. Environmental and Ecological Science Data Center for West China http://westdc.westgis.ac.cn

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