Temperature and Humidity of Central Asia Spectrometer

Overview

The tool displays main meteorological parameters: current temperature, pressure, humidity, wind speed and cloud cover data for more than 890 geographical locations in Central Asia. The information is updated every 3 hours. The users can also analyze the dynamics of the monthly average values of. Over 900 event-based precipitation samples were collected in 2019–2021 in the Tien Shan and its foothills and analysed using cavity ring-down spectroscopy. The main directions of the. Tree-Ring Width and Carbon Isotope Chronologies Track Temperature, Humidity, and Baseflow in the Tianshan Mountains, Central Asia Article Tree-Ring Width and Carbon Isotope Chronologies Track Temperature, Humidity, and Baseflow in the Tianshan Mountains, Central Asia Yuting Fan1,2,3,*, Huaming. Temperatures in Central Asia have risen significantly within the last decades whereas mean precipitation remains almost unchanged. However, climatic trends can vary greatly between different subregions, across altitudinal levels, and within seasons.

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Article Content

Current weather and trends in Central Asia

The tool displays main meteorological parameters: current temperature, pressure, humidity, wind speed and cloud cover data for more than 890 geographical locations in Central Asia. The information is

Current Weather in Central Asia (Chart)

Current values of weather, temperature, wind direction, wind force, gusts, pressure, humidity from weather stations in Central Asia.

Tree-Ring Width and Carbon Isotope Chronologies Track

Long-term climatic data of each station contain mean temperature, mean air humidity, mean precipitation, and mean snow per year.

Projected Temperature and Precipitation Changes in Central Asia

The Central Asian region, characterised by its arid climate and fragile ecological environment, is highly sensitive to climate change, necessitating focused research on its future climate.

Datasets – CACIP Central Asia Climate Information Portal

CRUTEM is a dataset derived from air temperatures near to the land surface recorded at weather stations across all continents of Earth. It has been developed and maintained by the

Tree-Ring Width and Carbon Isotope Chronologies Track

Herein, we related climate data with tree-ring width (TRW) chronologies and 13C (stable carbon isotope discrimination) series to discern if the Picea schrenkiana in the Ili and Manas River Basins are

Holocene temperature and cold events recorded in arid Central Asian ...

Two 20-yr resolution temperature records were obtained in Central Asian peatlands. GHG forcing is an important factor in modulating Holocene temperature of ACA. Cold events in ACA

Identification of dust aerosols, their sources, and the effect of soil ...

This study provides basic data support for the study of dust aerosols, identifies dust sources, and provides a basis for studying the radiative forcing and climate effects of dust aerosols in

Central Asia''s Changing Climate: How Temperature and ...

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Temperatures in Central Asia have risen significantly within the last decades whereas mean precipitation remains almost unchanged. However, climatic trends can vary greatly between

Microsoft Word

Here, we provide a continuous high-resolution 19 humidity history in arid Central Asia over the past millennium based on the ~1.8-year high-resolution 20 multiproxy records with good chronological

Solar activity dominated the multidecadal

Solar activity dominated the multidecadal- to centennial-scale humidity oscillations during the Little Ice Age in arid central Asia

Positive correlation between dust activity and humidity in arid Central ...

Abstract A long-standing view of the paleoclimatology of arid and semiarid regions is that humid conditions inhibit dust lofting. Here, we combine proxy climate records from four loess sections

(PDF) Central Asia''s Changing Climate: How Temperature and ...

This study reviews the state of research on climate change and climate change adaptation in mountainous Central Asia, also considering temperature and precipitation projections

Orbital to millennial scale dust activity and humidity interaction in ...

The factors controlling dust activity and humidity in Central Asia and their relationships remain controversial, partly due to a lack of high-resoluti

Holocene negative coupling of summer temperature and moisture ...

The Holocene moisture–temperature correlation on varying spatial–temporal scales in arid Central Asia (ACA) is still controversial. It has been widely reported that ACA experienced multi

Spatio-temporal changes in atmospheric aridity over the arid region of ...

The arid region of Central Asia (CA) is the largest non-zonal arid region in the world. It has experienced significant changes in climate and hydrolog

Climate variations of Central Asia on orbital to millennial timescales ...

The extent to which climate variability in Central Asia is causally linked to large-scale changes in the Asian monsoon on varying timescales remains a longstanding question.

Tree-Ring Width and Carbon Isotope Chronologies Track Temperature ...

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Concerns have been raised about the negative impacts of global warming on the hydrological climate change and ecosystems of Asia. Research on the high-altitude mountainous

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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