

Dust Distribution Box Quality in Bissau Central Asia





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Global map of characterized dust sources using multisource remote

In North Africa, Southwest Asia, and Central Asia, the distribution of dust source types aligns with global trends. However, in East Asia, hydrological dust sources account for a greater

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Aeolian dust in Central Asia: Spatial distribution and temporal

Blowing dust and intense dust storms dominated the aeolian dust weather in Central Asia, which may severely affect the regional atmospheric environment and local inhabitants' health.

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New inventory of dust sources in Central Asia derived from the daily

1 Introduction Deserts of Central Asian deserts are an important source of dust in the extra-tropical latitudes, where economic activity and health of millions of people are affected by dust storms.

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ACP

We obtain a dataset that constrains the relative contribution of nine major source regions to size-resolved dust emission, atmospheric loading, DAOD, concentration, and deposition flux.

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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

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A numerical study of the contributions of dust source regions to the

Contributions of the nine potential dust source regions (North and South Africa, the Arabian Peninsula, Central Asia, eastern and western China, North and South America, and Australia) to the

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Study on typical dust aerosol transport processes and radiative effects

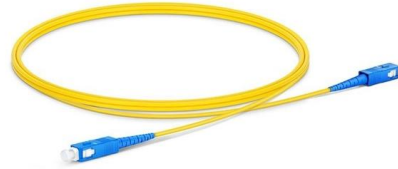
Building on findings of dust aerosol distribution, transport, and radiative impacts in Central Asia, this study investigates underlying physical mechanisms and global climate implications.

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(PDF) Dust deposition and ambient PM10

In this paper, we investigated the spatial distribution and temporal variation in dust deposition and ambient PM10 (particulate matter)

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Global Distribution of Asian, Middle Eastern, and Saharan Dust

Global Distribution of Asian, Middle Eastern, and Saharan Dust Simulated by CESM1/CARMA

Global Distribution of Asian, Middle Eastern, and SaharanNorth African

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A global satellite view of the seasonal distribution of mineral dust

Seasonal distribution of mineral dust around the globe and its correlation with atmospheric circulation is investigated using satellite data, and meteorological data from ECMWF. The most

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(PDF) Three-Dimensional Structure and Transport

Therefore, this study utilizes Cloud-Aerosol LiDAR with Orthogonal Polarization (CALIOP) data from 2007 to 2022 to depict the three-dimensional

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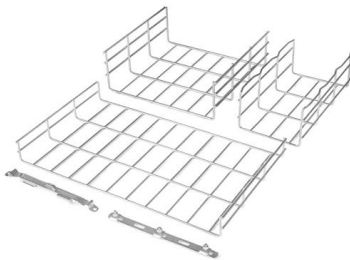




Study on typical dust aerosol transport processes and radiative effects

This study focuses on the MERRA-2 aerosol diagnostic product and conducts an in-depth analysis of dust aerosol transport characteristics in Central Asia, as well as the distribution of dust

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Regional midterm strategy for sand and dust storms management in

A long-term vision of the Regional Strategy for Sand and Dust Storms Management in Central Asia for 2021-2030 is to reduce the vulnerability of Central Asian countries and communities

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(PDF) The Global Distribution of Mineral Dust

The Sahara and Asia are the largest sources of mineral dust on Earth, accounting for more than 60-95% of the global dust load (Tegen and Schepanski)

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Contribution of the world's main dust source regions to the global

20 the world's major dust source regions to the global dust cycle remain poorly constrained. This problem hinders accounting for the potentially large impact of regional differences in dust properties

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(PDF) Three-Dimensional Structure and Transport

Three-Dimensional Structure and Transport Properties of Dust Aerosols in Central Asia--New Insights from CALIOP Observations, 2007-2022

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Distribution, Transport, and Impact on Air Quality of Two

Distribution, transport, and impact on urban air quality of these two typical dust events were studied using multi-source satellite data, a HYSPLIT

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Global distribution of Asian, Middle Eastern, and North African dust

The model suggests that Asian dust dominates the dust mass budget in the UTLS of the Asian summer monsoon (ASM) region, with a relative contribution 1-2 orders of magnitude higher than the dust

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Dust and Polluted Aerosols: Sources, Transport and

The study found that the greatest dust distribution occurs in the June-July-August (JJA) season, attributed to the southwesterly winds which transport

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.map

Gestion des collections d'échantillon -
management of samples collections

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Where Dust Comes From: Global Assessment of Dust

Recently, a multi-model experiment, namely the AeroCom-III Dust Source Attribution (DUSA), has been conducted to estimate the relative

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Distribution characteristics and air-quality effect of intercontinental

An unexpected dust storm swept throughout China from April 9 to 16, 2023. Many studies have explored the characteristics of the weather system process during this case. However, the

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Distribution, Transport, and Impact on Air Quality of Two

The dust event from 12 January to 17 January 2021 ("1.12 event") is the first dust process in 2021 and the earliest dust event in the last two decades.

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Dust deposition and ambient PM 10



concentration in central Asia

reliable deposition data are scarce in central Asia. Located in the eastern part of central Asia, 15 Xinjiang Province of northwest.

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Space Observations of Dust in East Asia , Springer Nature Link

Using 13-year satellite based data, dust events in East Asia are analyzed in term of their frequency and surface properties. Three distinct regions are defined based on their geomorphology:

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North African dust emissions and transport

The development of satellite derived products of global dust distributions has improved our understanding of dust source regions and transport pathways in the recent years. Dust models are

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A review on the research of modern aeolian dust in Central Asia

The Central Asian Arid Zone (CAAZ) located in the temperate desert belt of the Northern Hemisphere is one of the most important sources for global aeolian dust and aerosol. It is widely

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Global map of characterized dust sources using multisource remote

Given that 97.5% of identified global dust sources are located in Africa and Asia, this study specifically focuses on describing the spatial distribution of dust sources within these

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Spatial and temporal distribution of the dust deposition

Groll & Aslanov (2013), in their study of temporal and spatial variation of wind deposition in Central Asia, 75 identified the dried bed of the Aral Sea as

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