

**International
conference**
on Computational
Information Technologies
for Environmental
Sciences
Young scientists school

Petrozavodsk
August, 25 –
September, 6



**Международная
конференция**
Вычислительные
и информационные
технологии
для наук об окружающей
среде
Школа молодых ученых

Петрозаводск,
25 августа –
6 сентября

ROSHYDROMET'S SPECIALIZED HYDROMETEOROLOGICAL DATASETS FOR CLIMATE MONITORING AND CLIMATE RESEARCH

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Roshydromet is being actively involved in creating climatic databases that are to provide the basis for performing large-scale work on climate research in accordance with the Russian Climate Doctrine.

Within the research topic “**Improving the Technologies of Information Climate Databases Creation and Maintenance and Technologies of Climate Data Services Provided to All Groups of Users**”, ten research institutes of Roshydromet are preparing **specialized datasets for climate research and monitoring.**

**RUSSIAN RESEARCH INSTITUTE FOR HYDROMETEOROLOGICAL INFORMATION –
WORLD DATA CENTER (RIHMI-WDC) - coordinator of the work**



Specialized datasets for climate research and climate monitoring on Websites of research institutes

All-Russia Research Institute of Hydrometeorological Information – World Data Centre (RIHMI-WDC):

Datasets of mean monthly, daily and hourly values of major meteorological parameters.

Dataset of hourly radiosonde observations and mean monthly characteristics from twelve GCOS stations over the Russian area

Arctic and Antarctic Research Institute (AARI):

Database on Arctic and Antarctic paleoclimate. Data archives of radiation balance components for 18 stationary stations in the Arctic Region.

All-Russia Research Institute of Agricultural Meteorology (RIAM):

Database on climate-dependent yield of late spring and industrial crops over the area of Russia for the past two decades

Voeikov Main Geophysical Observatory (MGO):

World Radiation Data Centre's information system and data archive "Solar radiation and radiation balance. The world network"

Institute for Global Climate and Ecology of Roshydromet and Russian Academy of Science (IGCE):

Extended basic dataset on surface air temperature over the Russian area intended for climate monitoring (about 800 Russian stations). Specialized data set to study heat and cold waves

Scientific Research Center of Space Hydrometeorology (SRC «Planeta»):

Specialized digital data archives of ice cover parameters in the Russian Arctic and the northern Caspian Sea and snow cover characteristics over European Russia

Research and Production Association «Typhoon»:

Data archive of high-level climate observations at meteorological tower in Obninsk

Central Aerological Observatory (CAO):

Data on the middle atmosphere

High-Mountain Geophysical Institute (VGI):

Database on snow characteristics in the Northern Caucasia mountains and on Sakhalin island


State Hydrological Institute (SHI):

Database on the depth of seasonally thawed layer in Russian permafrost regions. Databases on monthly river runoff in Russia.

Meteo.ru - Climate - Climate and human ... x

Метео.ру - Климат - Климат и человек ... x

meteo.ru/english/climate/cl_data.php



News Data Technology Publish Climate

Baseline Climatological Data Sets

- [Coordinates of meteorological stations](#)
- [AIR TEMPERATURE \(Monthly Data\)](#)
- [PRECIPITATION \(Monthly Data\)](#)
- [AIR PRESSURE \(STATION LEVEL\) \(Monthly Data\)](#)
- [SUNSHINE DURATION \(Monthly Data\)](#)
- [VAPOUR PRESSURE \(Monthly Data\)](#)
- [DAILY AIR TEMPERATURE AND PRECIPITATION](#)
- [THREE-HOURLY METEOROLOGICAL OBSERVATIONS](#)
- [DAILY SOIL TEMPERATURE AT DEPTHS TO 320 CM](#)
- [SNOW COVER CHARACTERISTICS](#)
- [ROUTINE SNOW SURVEYS](#)
- [CURRENT RADIOSONDE DATA](#)
- [MEAN VALUES FOR POLAR RUSSIAN AEROLOGICAL STATIONS](#)

Firefox автоматически отправляет некоторые данные в Mozilla, чтобы мы могли улучшить вашу работу в браузере.

Time of sampling 00:00:10 Time of packing 00:00:20

To peck end save Designation

New data New request Exit Help

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21824 1965	12	31	15	1966	1	1	18	1	0	8	21	7	0	0	0	0	0	0	0	7	7	7	7	7	7	5	0	7	3	0	38	0	250	C					
21824 1965	12	31	18	1966	1	1	21	2	3	8	21	7	0	0	0	0	0	0	0	7	7	7	7	7	5	0	7	3	0	36	0	250	C						
21824 1965	12	31	21	1966	1	1	0	3	6	8	21	7	0	0	0	0	0	0	0	7	7	7	7	7	5	0	7	3	0	36	0	250	C						
21824 1966	1	1	0	1966	1	1	3	4	9	8	21	7	0	10	0	0	0	0	0	8	2	0	0	0	0	5	0	7	3	0	36	0	250	C					
21824 1966	1	1	3	1966	1	1	6	5	12	8	21	7	0	10	0	0	0	0	0	8	2	0	0	0	0	5	0	7	3	0	71	0	200	C					
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Анатори - ВНИИГМИ-МЦД - Климат - Удаленный доступ к ЯОД-архивам - Mozilla Firefox

aisori.meteo.ru/ClimateE

Data sampling

Data sampling is provided by Web technology Aisori - Remote access to DDL archives
Copyright © 2000-2011 - V.M. Veselev
I.R.Privyktskaya - veselev@meteo.ru, #Ивановиче, этот массив данных временно недоступен - I.privyktskaya@mail.ru

All data are made available free of charge

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Анатори - Удаленный доступ к ЯОД-архивам - Mozilla Firefox

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Choice of data

Русский Database section Day Data source Temperature and precipitation Описание

To prepare the list

Temperature and precipitation
Soil temperature at depths
Snow cover
Routine snow surveys

To choose the station (stations)

20046	Polar	GMO im. E. T. Krenkel'ja	Russia
20069	Vize		Russia
20087	Golomjannyj		Russia
20107	Barenzburg		Russia
20289	Russkij		Russia
20292	GMO im. E. K. Fedorova		Russia
20476	Sterlegova		Russia
20667	Im. M. V. Popova		Russia
20674	Dikson		Russia
20744	Malye Karmakuly		Russia
20891	Natanga		Russia
20946	Im. E. K. Fedorova		Russia
20982	Volochanka		Russia
21432	Kotel'nyj		Russia
21611	Terp'jaj-Tumsa		Russia
21647	Shalaurova		Russia
21802	Saskylah		Russia
21824	Tiksi		Russia
21908	Dzalinda		Russia
21921	Kjus'jur		Russia

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**“ROSHYDROMET’S SPECIALIZED
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