

RLC FOREST FIRE LOCATIONS IN EASTERN RUSSIA, 1998-1999

Summary:

This data set is derived from Russian forest fire imagery data from the National Forest Fire Center of Russia archive that were collected by the Center of Remote Sensing, Institute of Solar Terrestrial Physics, Irkutsk, Russia, for the 1998 and 1999 fire seasons. The data are vector (point) maps of forest fire locations (1998 and 1999) in ArcView shapefile format. Also included are graphic maps depicting fire locations (see Figure 1).

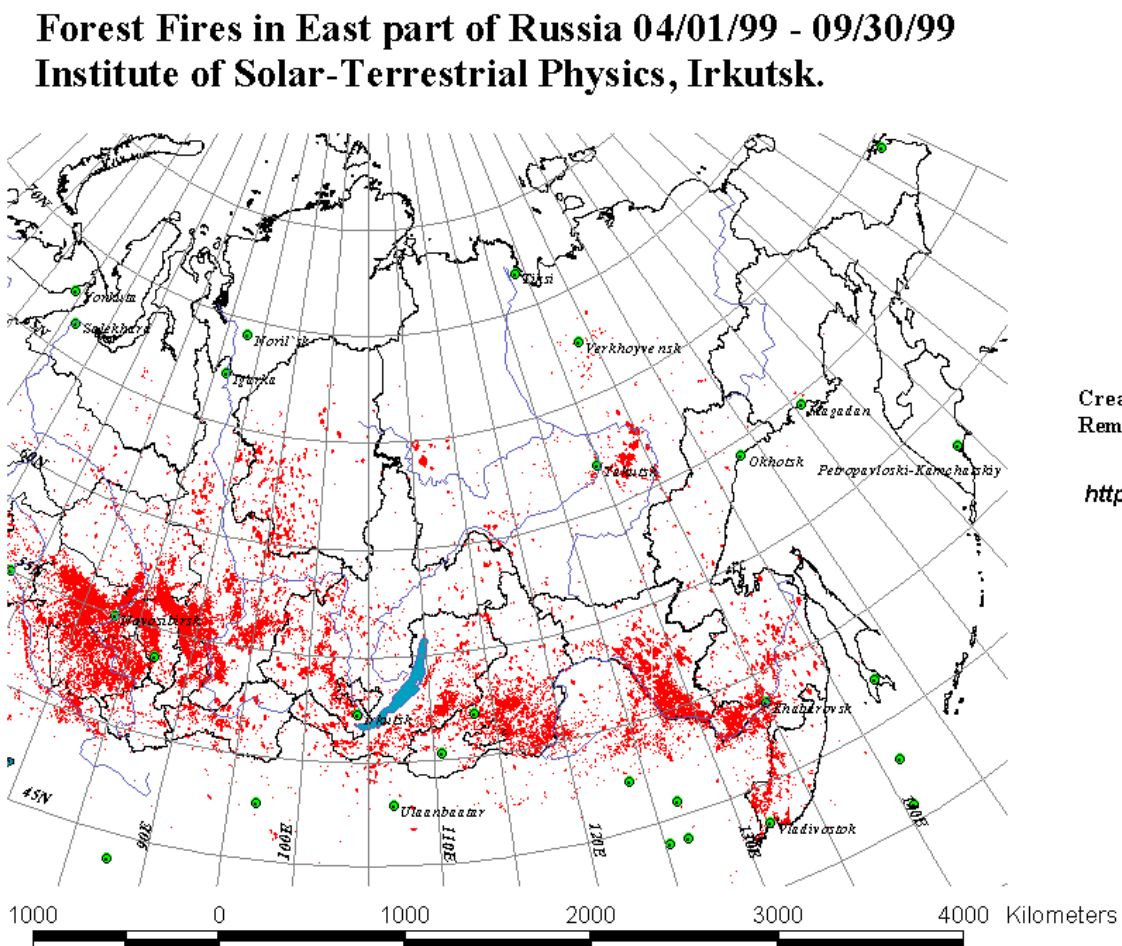


Figure 1. A graphic map depicting fire locations during the 1999 season.

Data Citation:

Cite this data set as follows:

Minko, N., T. A. Stone, and P. Schlesinger. 2003. RLC Forest Fire Locations in Eastern Russia, 1998-1999. Data set. Available on-line [<http://www.daac.ornl.gov>] from Oak Ridge National Laboratory Distributed Active Archive Center, Oak Ridge, Tennessee, U.S.A.
[doi:10.3334/ORNLDAAC/695](https://doi.org/10.3334/ORNLDAAC/695).

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1. Data Set Overview:

Data Set Contents:

This data set is derived from Russian forest fire imagery data from the National Forest Fire Center of Russia archive that were collected by the Center of Remote Sensing, Institute of Solar Terrestrial Physics, Irkutsk, Russia, for the 1998-1999 forest fire seasons.

Related Data Sets:

See other Russian Land Cover data sets.

Title of Investigation:

Measuring Changes to Russian Forest Over the Last 25 Years

Investigator(s) Name and E-mail:

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Future Modifications and Plans:

Not available

2. Data Characteristics:

Study Area:

Eastern Russia

Temporal Coverage:

Forest fire seasons 1998-1999

Parameter or Variable:

Table for: erus98.tar.gz

Variable	Description	Units	Instrument	Range
FIRE OCCURRENCE	Active fires	Unitless	AVHRR	Not applicable

Table for: erus99.tar.gz

Variable	Description	Units	Instrument	Range
FIRE OCCURRENCE	Active fires	Unitless	AVHRR	Not applicable

Data Organization

Please read all companion documentation before using these files:

ftp://daac.ornl.gov/data/russian_land_cover/fire_sumpt/comp/fire_sum98_readme.txt and
ftp://daac.ornl.gov/data/russian_land_cover/fire_sumpt/comp/fire_sum99_readme.txt.

Granule Name or Description:

erus98.tar.gz

Data Format:

Vector (point) map of forest fire locations during the 1998 fire season in ArcView shapefile format (compressed). Points are attributed with date, lat/lon, and hour.

Sample Data Record:

Not applicable.

Granule Name or Description:

erus99.tar.gz

Data Format:

Vector (point) map of forest fire locations during the 1999 fire season in ArcView shapefile format (compressed). Points are attributed with date, lat/lon, and hour.

Sample Data Record:

Not applicable.

3. Application and Derivation:

Typical Application of Data

Regional-, national-, and sub-national-level forest and land use change assessments.

Theory of Measurements:

Not available

Derivation Techniques and Algorithms:

Source data are NOAA AVHRR data received by the Center of Remote Sensing, Institute of Solar Terrestrial Physics, Irkutsk, Russia. The Center's fire pixel algorithm determines the existence of active fires.

4. Quality Assessment:

Data Usage Guidance:**Errors and Limitations:****Error Sources:**

Not available

Limitations of the Data:

Not available

Known Problems with the Data:

Not available

Quality Assessment Activities

Not available

Other Relevant Information about the Study:

Not available

5. Acquisition Materials and Methods:

Source or Platform Collection Environment:

NOAA satellites carrying AVHRR sensor

Source or Platform Program Management:

Not available

Source or Platform Mission Objectives:

Coverage Information:

Not available

Attitude Characteristics:

Not available

Data Collection System:

Not available

Communication Links:

Not available

List of Sensors or Instruments:

AVHRR

Ground Segment Information:

Data Acquisition and Processing:

Not available

Latitude Crossing Times:

Not available

Sensor or Instrument Descriptions

Key Variables:

Not available

Principles of Operation:

Not available

Sensor or Instrument Measurement Geometry:

Not available

Manufacturer of Sensor or Instrument:

Not available

Calibration:

Specifications:

Not applicable

Tolerance:

Not applicable

Frequency of Calibration:

Not applicable

Other Calibration Information:

Not applicable

Data Acquisition Methods:

The source data were acquired from the Center of Remote Sensing, Institute of Solar Terrestrial Physics, Irkutsk, Russia (<http://ckm.iszf.irk.r>).

Observations

Data Notes:

Not available

6. Data Description and Access:

Data Access:

This data set is available from the Oak Ridge National Laboratory (ORNL) Distributed Active Archive Center (DAAC).

Data Archive Center:

Contact for Data Center Access Information:

E-mail: uso@daac.ornl.gov

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Product Availability:

Data can be accessed electronically on the ORNL DAAC's anonymous FTP site or from the DAAC's search and order system. Data files are also available by request from uso@daac.ornl.gov.

Reading the Media:

Not available

Software and Analyses Tools:

Not available

7. References:

The published reference for the source data is as follows:

Not available

8. Glossary and Acronyms:

Glossary:

Not available

Acronyms:

Acronym Definition

AVHRR Advanced Very High Resolution Radiometer

GIF Graphic Image Format

NOAA National Oceanic and Atmospheric Administration

9. Document Information:

2003/11/22

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2003/11/22

Document Curator:

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Document URL:

<http://daac.ornl.gov>