

International Satellite Cloud Climatology Project (ISCCP) TIROS Operational Vertical Satellite (TOVS) Product in Native (NAT) Format (ISCCP_TOVS_NAT) Data Set Abstract



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1. Data Set Description

ISCCP was established as the first project of the World Climate Research Program (WMO, 1984), to collect and analyze satellite radiance measurements to infer the global distribution of cloud radiative properties and their diurnal and seasonal variations. These data and analysis products will be used to improve the understanding and modelling of the effects of clouds on climate. The main data set used to produce a daily, global description of the ozone, temperature and humidity distributions is that obtained from the analysis of data from the TIROS Operational Vertical Sounder (TOVS) system, flown on the NOAA Operational Polar Orbiting Satellite series. The measurements from the High Resolution Infrared Radiation Sounder (HIRS/2), the Stratospheric Sounding Unit (SSU), and the Microwave Sounding Unit (MSU) are processed by NOAA to produce the TOVS Sounding Product.

More detailed information can be found on the [ISCCP Home Page](#).

These data are available from the NASA Langley Atmospheric Science Data Center.

2. Sample Data Record/Format

Please refer to the [Read Software file](#) and the [Readme file](#).

3. References

A complete list of ISCCP research publications is available from the [ISCCP Web Site](#).

4. Contact Information

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5. Acknowledgement

The requested form of acknowledgement for any publication in which this data are used is:

"These data were obtained from the NASA Langley Atmospheric Science Data Center."

The Langley Data Center requests two reprints of any published papers or reports which cite the use of data that the Langley Data Center have distributed. This will help the Data Center to determine the use of data distributed, which is helpful in optimizing product development. It also helps the Data Center to keep our product-related references current. To assist the Langley Data Center in providing the best service to the scientific community, a notification is requested if these data are transmitted to other researchers.

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