


[+ ABOUT NTRS](#)
[- SEARCH NTRS](#)
[+ NTRS NEWS](#)
[+ HELP](#)
[+ FEEDBACK](#)
[+ ORDER NASA INFO.](#)
[+ Home](#)

Search NTRS

TERM SEARCH OPTIONS

Select Search Field *

All

Find Results With

All of the words

Enter Search Term

 within returned results

Search Tips:

- Use only the fields with * to search NIX collection.
- Enclose terms in double quotation marks (") to search for exact phrases, ie: "space shuttle". NOTE: Commas and dashes are removed from search term by search engine.
- Select Reset Search button to start a new search. See [Help](#) for more tips.

NAVIGATION SEARCH OPTIONS

[+ NASA Center](#)
[+ Availability Options](#)
[+ Item/Media Type](#)

 Visit the
STI Program Web Site

SEARCH NTRS

 Selected Navigations: [\[Remove\]](#)

- Publication Year > [1991-2000](#) > [1991](#) **[X]**
- Subject > [M-O](#) > [Meteorology And Climatology](#) **[X]**

 Sort results by: [NASA Center](#) | [Date Added to NTRS](#) | [Publication Year](#)

 There are a total of **384** record(s) matching your query.

 Sorted by: **Date Added To NTRS** in **Descending** order

[Prev](#) [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [Next >>](#)
[Global temperature variations](#)
Author(s): Spencer, Roy W.; Christy, John R.

Abstract: Intercalibration statistics of all Microwave Sounding Units (MSUs) operating through 1990 were computed and brightness temperature anomalies on various space and time scales were compiled for MSU channels 2 (troposphere) and ...

NASA Center: Marshall Space Flight Center

Publication Year: 1991

Added to NTRS: 2008-05-31

Accession Number: 91N32683; Document ID: 19910023369

[The electric field changes and UHF radiations caused by the triggered lightning in Japan](#)

Author(s): Kawasaki, Zen-Ichiro; Kanao, Tadashi; Matsuura, Kenji; Nakano, Minoru; Horii, Kenji; Nakamura, Koichi

Abstract: In the rocket triggered lightning experiment of fiscal 1989, researchers observed electromagnetic field changes and UHF electromagnetic radiation accompanying rocket triggered lightning. It was found that no rapid changes ...

NASA Center: NASA (non Center Specific)

Publication Year: 1991

Added to NTRS: 2008-05-31

Accession Number: 91N32652; Document ID: 19910023338

[Experimental modelling of lightning interaction phenomena with a free potential conducting objects](#)

Author(s): Chernov, E. N.; Lupeiko, A. V.; Petrov, N. I.

Abstract: Laboratory experiments were conducted to investigate the physical processes of the development of air discharge and its interaction with free potential conducting objects. The space-time development of lightning in gaps was ...

NASA Center: NASA (non Center Specific)

Publication Year: 1991

Added to NTRS: 2008-05-31

Accession Number: 91N32729; Document ID: 19910023415

[Calibration of the ER-2 meteorological measurement system](#)

Author(s): Bowen, Stuart W.; Chan, K. Roland; Bui, T. Paul

Abstract: The Meteorological Measurement System (MMS) on the high altitude ER-2 aircraft was developed specifically for atmospheric research. The MMS provides accurate measurements of pressure, temperature, wind vector, position ...

NASA Center: Ames Research Center

Publication Year: 1991

Added to NTRS: 2008-05-31

Accession Number: 91N25453; Document ID: 19910016139

[Experience gained in operation of the VLF ATD lightning location system](#)

Author(s): Lee, Anthony C. L.

Abstract: The United Kingdom (UK) Meteorological Office's Very Low Frequency (VLF) Arrival Time Difference (ATD) System for long-range location of lightning flashes started automatic international issue of lightning-location products ...

NASA Center: NASA (non Center Specific)

Publication Year: 1991

Added to NTRS: 2008-05-31

Accession Number: 91N32707; **Document ID:** 19910023393

[Optimal parameters of leader development in lightning](#)

Author(s): Petrov, N. I.; Petrova, G. N.

Abstract: The dependences between the different parameters of a leader in lightning are obtained theoretically. The physical mechanism of the instability leading to the formation of the streamer zone is proposed. The instability has ...

NASA Center: NASA (non Center Specific)

Publication Year: 1991

Added to NTRS: 2008-05-31

Accession Number: 91N32723; **Document ID:** 19910023409

[The role of the sea-surface temperature distribution on numerically simulated cyclogenesis during ERICA](#)

Author(s): Lapenta, William M.; Perkey, Donald J.; Kreitzberg, Carl W.; Robertson, Franklin R.

Abstract: The goal was to quantify the extent to which a sea surface temperature (SST) front can influence cyclogenesis. The approach was to use the Drexel Limited-Area Mesoscale Prediction System (LAMPS) dynamical model to simulate ...

NASA Center: Marshall Space Flight Center

Publication Year: 1991

Added to NTRS: 2008-05-31

Accession Number: 91N32688; **Document ID:** 19910023374

[Weak positive cloud-to-ground flashes in Northeastern Colorado](#)

Author(s): Lopez, Raul E.; Maier, Michael W.; Garcia-Miguel, Juan A.; Holle, Ronald L.

Abstract: The frequency distributions of the peak magnetic field associated with the first detected return stroke of positive and negative cloud-to-ground (CG) flashes were studied using lightning data from northeastern Colorado. ...

NASA Center: NASA (non Center Specific)

Publication Year: 1991

Added to NTRS: 2008-05-31

Accession Number: 91N32712; **Document ID:** 19910023398

[Lightning mapping system](#)

Author(s): Lennon, C.; Maier, L.

Abstract: A Lightning Detection and Ranging (LDAR) System is being implemented at KSC in Florida. The first operational use is expected in the late summer of 1991. The system is designed to map the location of in-cloud and ...

NASA Center: Kennedy Space Center

Publication Year: 1991

Added to NTRS: 2008-05-31

Accession Number: 91N32713; **Document ID:** 19910023399

[Climate dynamics experiments using a GCM simulations](#)

Author(s): Fitzjarrald, Dan; Robertson, Franklin R.; Christy, John R.; Lu, H.-I.; Sohn, B.; Srikishen, J.

Abstract: The study of surface-atmosphere interactions has begun with studies of the effect of altering the ocean and land boundaries. A ten year simulation of global climate using observed sea surface temperature anomalies has begun ...

NASA Center: Marshall Space Flight Center

Publication Year: 1991

Added to NTRS: 2008-05-31

Accession Number: 91N32663; **Document ID:** 19910023349

[Prev](#) [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [Next >>](#)

[+ Back to Top](#)



+ Sponsored by the NASA Scientific and Technical Information Program
+ 2004 Vision for Space Exploration
+ Freedom of Information Act



NASA Official: Calvin Mackey
Page Curator: NASA Center for AeroSpace Information
(help@sti.nasa.gov)
Last Updated: July 5, 2007

- + [NASA Web Privacy Policy and Important Notices](#)
- + [NASA Disclaimers, Copyright Notice, and Terms and Conditions of Use](#)