

NASA Scientific and Technical Information (STI) Program



National Aeronautics and
Space Administration
Scientific and Technical
Information Program Office

NASA STI FACT SHEET

The NASA Scientific and Technical Information (STI) Program was established to support the objectives of NASA's missions and research. It is dedicated to the advancement of aeronautics and space science. This program is essential to help NASA avoid duplication of research by sharing information and to ensure that the U.S. maintains its preeminence in aerospace-related industries and education. The NASA STI Program acquires, processes, archives, announces, and disseminates NASA STI and acquires worldwide STI of critical importance to NASA and the Nation.

STI is defined as basic and applied research results from the work of scientists, engineers, and other technical and management personnel. STI is made available in paper, multimedia, and electronic media.

The STI Program is a critical component in the worldwide activity of scientific and technical aerospace research and development. Collected from U.S. and international sources, STI is organized via its content prior to being added to the NASA Aeronautics and Space Database, which is a world-class collection of STI that includes nearly 4 million bibliographic records and a growing number of full-text documents. A public interface is available through the NTRS: NASA Technical Reports Server.

The STI Program manages the activities of the NASA Center for AeroSpace Information (CASI) in Maryland. CASI is NASA's archiving and dissemination facility, and provides a wide variety of products and services, in various media and platforms.

For further information

- Visit the STI Program Web site at <http://www.sti.nasa.gov>
- Contact CASI at the NASA STI Help Desk via
E-mail: help@sti.nasa.gov
Fax: 301-621-0134
Telephone: 301-621-0390
- Visit the STI Program Office Web site at <http://stipo.larc.nasa.gov/>
- Contact NASA's Agency-wide program office, the Scientific and Technical Information Program Office, via
E-mail: sti+id@larc.nasa.gov
Fax: 757-848-5250
Telephone: 757-848-5244, ext. 16 or 17

NASA STI Program

- Helps provide the widest appropriate dissemination of NASA research results
- Is essential in helping the U.S. maintain leadership in aerospace
- Provides a mechanism to help NASA avoid duplication of research dollars

STI Program as a critical component in the aerospace community

- Collects STI from all NASA centers
- Acquires STI from over 50 countries worldwide
- Maintains largest collection of aerospace STI in the world
- Provides worldwide access to STI that increases productivity and minimizes duplication of research

STI Program Mission

- Supports the advancement of aerospace knowledge
- Contributes to U.S. competitiveness in aerospace research and development

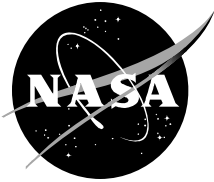
STI Program Components

- NASA Headquarters STI (responsible for policy and oversight)
- NASA's Agency-wide program office, the Scientific and Technical Information Program Office—located at Langley Research Center, Hampton, Virginia (the STI Program Office is responsible for program implementation)
- Center for AeroSpace Information (CASI) in Maryland
- NASA STI Program at all NASA field centers



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What Is the NASA Center for AeroSpace Information (CASI)?



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The NASA Center for AeroSpace Information (CASI), in Maryland, has been at the core of the NASA Scientific and Technical Information (STI) Program for more than 40 years. Simply stated, CASI is a blend of people and systems that interact to acquire, process, archive, announce, and disseminate STI.

STI is input into the NASA Aeronautics and Space Database—a worldwide database containing nearly 4 million records. Records are indexed and digitized, and then added to the database in near-real time. Publicly available STI is also input into a public interface, the NTRS: NASA Technical Reports Server.

CASI offers a wide variety of services and products; NASA, government agencies, and prime contractors can register free of charge in order to benefit from the extensive worldwide collection of STI. CASI maintains a World Wide Web home page that also allows you to access information and products electronically.

Contact the NASA STI Help Desk at CASI for more information or to register for NASA STI services and products.

CASI

- Acquires STI that is essential to NASA in avoiding duplication of research and maintaining U.S. preeminence in aerospace
- Acquires, processes, archives, announces, and disseminates NASA and worldwide STI
- Maintains the NASA Aeronautics and Space Database of nearly 4 million bibliographic records
- Offers a wide array of electronic services and products via the Internet
- Provides free registration to NASA, government agencies, and prime contractors; others may continue their visit on the STI home page
- Provides the NASA STI Help Desk to help you locate and obtain STI



For further information

- Visit the STI Program Web site at <http://www.sti.nasa.gov>
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SCIENTIFIC &
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NASA STI Program Products and Services



National Aeronautics and
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The NASA Scientific and Technical Information (STI) Program offers many products and services to the NASA aerospace community and to the public. Free registration with the program is available to NASA, government agencies, and prime contractors through the NASA Center for AeroSpace Information (CASI). Based on organizational affiliation, each registered user has various levels of access to the STI maintained by the program. A network of information specialists at CASI provides value-added STI in a variety of ways. Following is a list of some of the products and services that can be obtained through the STI Program Web site or by contacting CASI. Many of the products and services are free and available at your desktop. The Internet URL and NASA STI Help Desk e-mail address and phone number are listed at the bottom of the page.

Products

NASA STI Report Series

- Technical, Conference, and Special Publications
- Technical Memoranda
- Contractor Reports
- Technical Translations

Regularly released bibliographic announcements

- RSS Feeds
- *Scientific and Technical Aerospace Reports (STAR)*
- Selected Current Awareness Notices (SCAN)
- NATO's Research and Technology Organization (RTO) Reports
- *NASA Patent Abstracts Bibliography*
- NASA Research on CD-ROM
- *NASA Video Catalog*

Other regularly released publications

- *NASA Thesaurus*
- *Spinoff*

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Online resources

- NASA Aeronautics and Space Database
- NTRS: NASA Technical Reports Server
- Spinoff
- NASA Image eXchange (NIX)

Services

- Online ordering of documents
- Online ordering of NASA videos
- Automatic and on-demand document distribution
- Custom bibliographies on demand
- Database search training and support
- Archiving of NASA STI Report Series documents
- Reference services
- NASA STI Help Desk (STI assistance)

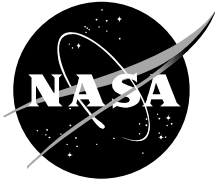
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Benefits of Publishing Through the NASA STI Program



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The benefits of publishing and archiving your NASA scientific and technical information (STI) via the NASA STI Program are important to you as a NASA employee, as an author, and as a user of STI. These advantages include domestic and international announcement of your work and wide dissemination through commercial and government sources such as the Government Printing Office (GPO) and the National Technical Information Service (NTIS). In addition, your work is made available (if appropriate, based on specified limitations) to the public, U.S. business and industry, academia, and to other government agencies. It will be included in the NASA Aeronautics and Space Database, and as appropriate, in the public interface, the NTRS: NASA Technical Reports Server. This database uses subject classification and NASA Thesaurus standardized terms and indexing for powerful and quick search and retrieval. Your work will also be archived and maintained in a location that allows for managed access and dissemination through registration and exchange agreements.

STI has long been considered a competitive advantage in the international and corporate world, and it is now becoming essential to you within a government environment to stay abreast of technology and to show the benefits of your work.

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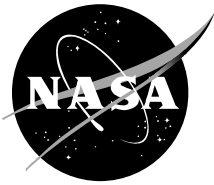
Publishing and Archiving via the NASA STI Program

- Increases exposure by announcing NASASTI to a larger population of users (showing evidence of success by citation in journal literature and other STI literature)
- Gives proof of progress by publishing individual program accomplishments, thereby helping gain additional funding
- Enhances and documents individual center's productivity (division/branch/team) through STI
- Announces your document in the NASA Aeronautics and Space Database and makes it available for greater national and international dissemination
- Provides controls for dissemination of NASA STI through export control reviews and subsequent dissemination or restriction based on this review
- Distributes your information beyond NASA and your immediate peer group
- Ensures your document or media is sent to the National Archives and Records Administration, NTIS, and Depository Libraries through GPO, as required by law
- Provides the NASA STI Help Desk so users can find and obtain your NASA STI
- Archives your document to ensure knowledge preservation and longer life; some of these NASA data collections date back to 1917



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What Is the NASA Image eXchange (NIX) ?



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The NASA Image eXchange (NIX) was established in May 1997 and is sponsored by the NASA Scientific and Technical Information (STI) Program. It is a meta-search engine that accesses photographic digital images and QuickTime™ animation and video available to NASA and the public. NIX links the selected internal digital image databases of NASA centers. Though not all NASA images are available through NIX, images are actively being added as they become available through the various centers and programs.

Response to NIX has been overwhelmingly positive. In fact, it was chosen as a NASA "Cool Picks" by the NASA Spacelink.

NIX provides you with a variety of search options, returns information that allows you to choose material of specific interest, links to the centers that store the images, gives ordering instructions, and explains basic copyright provisions.

NASA's Agency-wide program office, the Scientific and Technical Information Program Office (STIPO) Information Desk will respond to your NIX-related inquiries within one day. It may refer you to appropriate NASA offices for other STI- or NASA-related matters.

NIX

- Provides online access to NASA images and QuickTime™ animation and video
- Provides a boolean search engine using keywords
- Provides personal service and help via NASA's Agency-wide program office, the Scientific and Technical Information Program Office (STIPO) Information Desk
- Accepts comments, questions, and feedback via e-mail at nix@larc.nasa.gov



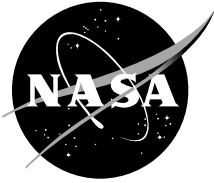
For further information

- Visit the NIX Web site at <http://nix.nasa.gov>
- Visit the STI Program Web site at <http://www.sti.nasa.gov>
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Fax: 310-621-0134
Telephone: 301-621-0390
- Contact NASA's Agency-wide program office, the Scientific and Technical Information Program Office (STIPO) via
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Telephone: 757-848-5244, ext. 16 or 17



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NACA Reports Collection: Historical and Timeless



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The National Advisory Committee for Aeronautics (NACA) was chartered in 1915. From its original role of coordinating research efforts under way elsewhere, NACA grew to have its own facilities and do its own research. In 1958, NACA was subsumed into the new National Aeronautics and Space Administration (NASA), which inherited its facilities and charge.

NACA research covered such fields as aerodynamics, propulsion, aircraft construction, and materials. Five times NACA research won the Robert J. Collier Trophy awarded by the National Aeronautic Association. Important projects, many using NACA's state-of-the-art wind tunnels, investigated drag reduction, deicing, and the basics of supersonic flight. Airfoils (wing and propeller shapes) developed by NACA scientists are still used today on model planes and general aviation aircraft.

The digital collection of NACA reports is available through:

NTRS: NASA Technical Reports Server at <http://ntrs.nasa.gov>

- Includes approximately 12,000 full-text documents.
- Makes available simple and advanced search modes. Find reports by keyword, author, title word, report number, or date.

NASA Aeronautics and Space Database

- Is available to NASA employees within the nasa.gov Internet domain through Group View and available to employees and contractors of NASA and other U.S. government agencies through registration. Go to www.sti.nasa.gov to download a registration form.
- Includes approximately 12,000 full-text documents.
- Makes available basic and advanced search modes. Find reports by keyword, author, title word, report number, or date.
- *Search tip:* To find NACA reports, enter NACA* in the Report/Document Numbers text box. A chart of more search tips is available from the Login screen.

NACA published its research in various series of reports from 1917 through 1958. The most important series are:

- NACA Reports, also called NACA Technical Reports (TR). Usually the final report on a project, summarizing earlier interim reports.
- NACA Technical Notes (TN). Report partial results or material of narrower interest. Selected information from these reports was often analyzed and refined for later publication in the more formal Technical Report series.
- NACA Technical Memorandums (TM). Reprinted reports from other laboratories, often translations from foreign languages.
- NACA Wartime Reports (WR). Published after World War II to make more widely available wartime research that had been previously issued in restricted series.
- NACA Research Memorandums (RM). Less formal reports issued to meet the need for rapid dissemination of aeronautical information.
- NACA Annual Reports (AR). Contain NACA's Annual Report to Congress as well as Technical Reports produced in that year.
- Aircraft Circulars (AC). Reprints of articles giving specifications of individual aircraft, often from other countries.

NACA reports are available as full-text PDF files of the original reports, in Searchable Image Exact format, so the text of each report is searchable. Reports can be printed or downloaded.

Contact the NASA Center for AeroSpace Information (CASI) Help Desk via e-mail at help@sti.nasa.gov.