National Aeronautics and Space Administration

Privacy Impact Assessment (PIA)

PIA Entry Name: JSCXI-Gateway to Astronaut Photography of Earth (public)

SOMD Support

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PURPOSE OF THE PRIVACY IMPACT ASSESSMENT

The National Aeronautics and Space Administration (NASA) Privacy Impact Assessment (PIA) documents and describes the personally identifiable information (PII) NASA collects and the purpose(s) for which it collects that information; how it uses the PII internally; whether it shares the PII with external entities, and the purposes for such sharing; whether individuals have the ability to consent to specific uses or sharing of PII and how to exercise any such consent; how individuals may obtain access to the PII; and how the PII will be protected. NASA publishes its PIAs, as well as its System of Records Notices (SORNs), on the NASA public-facing website, which describes NASA's activities that impact privacy, the authority for collecting personally identifiable information (PII), and the procedures to access and have PII amended or corrected if necessary.

Reviewing Official: Stayce Hoult, Chief Privacy Officer

System Overview: The Expedition Earth and Beyond Program, facilitated by the Johnson Space Center's (JSC) Astromaterials Research and Exploration Science Directorate, designed to help promote student research in the classroom through the use of astronaut photography of Earth.

In addition to using the images available on our Gateway to Astronaut Photography of Earth website, to help students model the process professional researchers use to request new data, they can submit a data request (Educational Request or Principal Investigator Request) to have new astronaut photography acquired in support of their investigation.

This PIA covers the application/website necessary for the purpose of acquiring new data - in the interest of the public welfare, in satisfaction of NASA goals and objectives, and at no additional cost to the public - through acceptance of proposals for data acquisition for specific science and educational purposes.

The information is supplied voluntarily to obtain astronaut photography to support scientific investigations. The information collected is the minimum required to communicate results to the requester and verify that requests are legitimate.

The information system collects non-sensitive PII to accept and process requests for astronaut photography from academic principal investigators (PI) and educators/citizen scientists.

Privacy / Authorities and Other Requirements	
List all legal authorities and/or agreements that permit the collection of privacy information by the project. Explain how these authorities permit the project and the collection of privacy information. If the project collects Social Security numbers, also identify the specific statutory authority allowing it.	• The National Aeronautics and Space Act of 1958, as amended, 42 U.S.C. §2451, et seq.; • The Land Remote Sensing Policy Act of 1992, 15 U.S.C. §5601, et seq.; • The Freedom of Information Act, as amended, 5 U.S.C. §552 (1994), amended by P. L. 104-231.; • OMB Circular A-130 (February 8, 1996); • National Space Policy (NSTC-8, September 19, 1996); • Presidential Directive (NSPD-7), Space-Based Global Change Observation (May 28, 1992); • Statements on Data Management for Global Change Research (Office of Science and Technology Policy, July 1991). Explanation: public distribution of remotely sensed data collected by NASA assets, together with associated higher-level data products and metadata are enabled by the legislation and directives above. The collection of PIA is enabled and necessary for the purpose of acquiring new data - in the interest of the public welfare, in satisfaction of NASA goals and objectives, and at

	no additional cost to the public - through acceptance of proposals for data acquisition for specific science and educational purposes.
The records in the system are covered by an existing published System of Records Notice (SORN).	SORN not required
The SORN Name and Number.	

Privacy Act of 1974 / Uses of the Information	
Records on individuals are or will be routinely retrieved from the system by using individual's name or other unique identifier (e.g., personal account number, UUPIC, SSN, etc. is used to locate information about an individual in the application/website/information system/paper record).	No

Paperwork Reduction Act / Characterization of the Information	
The record/application/website/information system collects information in a standard way (via forms, surveys, questionnaires, etc.) from 10 or more persons (e.g., members of the public and NASA contractors, and grantees).	No

Paperwork Reduction Act / Authorities and Other Requirements	
There is an OMB Control Number.	No
The OMB Control Number.	

Privacy / Characterization of the Information	
Information is collected on the following:	Members of the public (excluding contractors and partners) Other
Collection contains the following:	Name Other PII not listed above Work phone number Work e-mail address Work Mailing Address
The collection is the minimum necessary to accomplish the purpose of the collection.	Yes
Discuss the intra-Departmental sharing of information. Identify and list the name(s) of any components or directorates within the Department with which the information is shared.	No Intra-Departmental sharing occurs

Privacy / Uses of the Information	
NASA will use the information in the following ways:	The PII is only used to communicate with the individuals that have requested astronaut photography.
The application/website/information system stores, collects, or maintains Information in Identifiable Form (IIF).	Yes

Consent / Notice	
Does the project provide individuals notice prior to the collection of information?	Yes
If no, explain why individuals are not notified prior to collection of information.	
If yes, describe how the notice provided for the collection of information is adequate to inform those impacted.	Users must accept the NASA privacy policy prior to the submission of their request.
Do individuals have opportunities to decline to provide information, or opt out of the project?	Yes
If yes, describe the process. If this is not an option, explain why not.	Users either do not click "submit" or do not accept the privacy policy. No data is collected if either of these actions is taken.
Do individuals have opportunities to consent to specific/targeted uses of their information?	No
If yes, describe the process. If this is not an option, explain why not	The information is only used to return astronaut photography to the requesting individuals.
The IIF is collected	Voluntary
There is a process in place for the following:	
Ensuring consent is obtained from the individuals whose IIF is stored, collected, or maintained.	Yes
Are individuals provided with notice that they have opportunities to consent to uses, decline to provide information, or opt out of the project?	Yes
If yes, describe the process. If no, explain why not.	For educational and PI requests, individuals must consent to the NASA privacy policy before the request can be submitted. All submissions are voluntary.
Are individuals notified of the consequences of providing information?	Yes
If yes, describe the process. If no, explain why not.	Educators and Principal Investigators are required to accept the NASA privacy policy, linked on the form, before the request can be submitted.

Data Retention	
Explain how long each type of information is retained. Include a justification for the retention period of each information type and how/why that period is necessary to the mission/project.	PI and Educator requests are maintained until the request is completed or closed. Thirty days after completion/closure, the data is anonymized and PII is deleted. Crew Earth Observation targets identified in these requests are given to the International Space Station (ISS) crew on a “task-list” basis. This means that the crew has the option of whether or not to respond to a given target callout, based on their daily schedule and other needed duties on ISS. Because of this, the time required to obtain the requested images can vary greatly. All PII associated with these requests is deleted 30 days after the request is completed/closed.

Information Sharing	
Is information shared outside of the organization as part of the normal agency operations?	No
Identify who the information is shared with, how the information is accessed, and how it is to be used.	
Describe how the external sharing noted in the previous question is compatible with the SORN noted in PIA-02.	

Redress	
What are the procedures that allow individuals to access their information?	Individuals are not allowed to access their information after it is submitted.
What procedures are in place to allow the subject individual to correct inaccurate or erroneous information?	Individuals are not allowed to access their information after it is submitted. Information is submitted voluntarily and is only used to request astronaut photography.
How does the project notify individuals about the procedures for correcting their information?	Information is collected from the individual. No automatic route is available to correct inaccurate information. Questionable requests may be further investigated, which could potentially lead to correction of submitted information. NASA privacy policy identifies Privacy Act requirements. Users must accept the privacy policy before a submission will be accepted.

Auditing and Accountability	
How does the project ensure that the information is used in accordance with stated practices in this PIA?	Access to the information is restricted to the organization. The information collected is the minimum required to assess astronaut

	photography requests for validity and return the requested photography to the requester.
Describe what privacy training is provided to users either generally or specifically relevant to the project.	Organization users processing the imagery request are required to complete Cybersecurity and Privacy Awareness Training annually. Users with significant security roles must complete additional training annually, based on their role.
What procedures are in place to determine which users may access the information and how does the project determine who has access?	Users must submit a NASA Access Management System (NAMS) request to access the systems holding this data. Appropriate approvers are built into the NAMS workflow to authorize access. Once the NAMS request is approved, users are added to the appropriate access control list (ACL) based on the role that was requested and privilege required.
How does the project review and approve information sharing agreements, MOUs, new uses of the information, new access to the system by organizations within the department and outside?	Information is not shared outside the organization. Changes to this access would need to be approved through the appropriate Astromaterial Research and Exploration Science (ARES) Control Board or Exploration Architecture, Integration and Science (EAIS) Control Board.

Security Controls / Characterization of the Information	
Monitor and Response to privacy and/or security incidents policies.	Yes

Security Controls / Auditing and Accountability	
Technical controls (safeguards) are in place to minimize the possibility of unauthorized access, use, or dissemination of the IIF in the application/ website/ information system/ cloud system.	Yes
Access controls.	Yes

Information Sharing Practices / Characterization of Information	
The application/website/information system/cloud systems collects IIF from other resources (e.g., databases, websites).	No
The application/website/information system/cloud system populates data for other resources (e.g., databases, websites, or external agencies, people, or organizations).	No

Accessibility, Redress, Complaints / Characterization of the Information

There is a process in place for periodic reviews of IIF in the system to ensure data integrity, availability, accuracy, and relevance.	No

Web Measurement and Customizing Technology / Characterization of the Information	
The Application/Website/Information System Utilizes Web Measurement and Customization Technology (Cookies/Persistent Tracking).	Yes

Agency Privacy Manager (APM):

Kostka, Paul A

Midulla, Laura P

Rucker, Anh-Hong N

APM Review Decision: Concur

APM Review Date: 05/01/2025

Chief Privacy Officer (CPO):

HARRIS HOULT, STAYCE D

CPO Review Decision: Concur

CPO Review Date: 04/14/2026

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CPO Digital Signature

NASA Senior Agency Information Security Officer (SAISO):

Taylor, Kelvin L

SAISO Review Decision: Concur

SAISO Review Date: 10/09/2026

NASA Senior Agency Official for Privacy (SAOP):

Gallagher, Sean M

SAOP Review Decision: Approve

SAOP Review Date: 10/15/2026