



**Doc # 20**

## **Amateur Radio on the International Space Station**

### **ARISS Report to the ARRL Board of Directors**

**January 2026**

**Submitted by:**

**The ARRL ARISS Committee,  
Director Tharp, Chairman**

#### **ARRL ARISS Committee Members for 2025**

Director Tharp - KB7HDX  
Director Wilson – N2XDD  
Vice Director Nelson – W0ND  
Vice Director Temples – K9HI  
Vice Director Long – W9HT  
Ms. Rosalie White – K1STO  
Mr. Steve Goodgame – K5ATA

## **Authorizing Board Motion to Establish the ARRL ARISS Committee, Minute 27, January 2019**

In January 2019 the ARRL Board of Directors established the ARRL ARISS Committee and tasked it with improving ARRL's support to the ARISS program. The ARRL Board motion:

*Be it therefore resolved: A permanent ARISS committee is created by the Board to develop an interactive relationship with ARISS. Said committee should consist of three members of the Board, with assistance of the ARRL Lifelong Learning Manager and the ARRL Communications Manager as consultants, all to be appointed by the ARRL President. The committee will recommend the framework under which the ARRL will support ARISS to include recommendation of the ARRL representative to ARISS, standardized mission support, operational needs, ongoing mentoring and assistance to local Amateur Radio clubs in support of ARISS contacts, and a standardized set of Public Relations messages to ensure consistency of the ARRL message to ARISS, local Amateur Radio groups and the public at large.*

### **ARRL ARISS Committee Activities 2025:**

As reported in the July report, Director Tharp, CEO Minster, and ARISS-USA Executive Director Bauer met in person after the January ARRL BOD meeting to discuss the current relationship between ARRL and ARISS. This discussion included the creation of a MOU between the two organizations. This document is still under review at ARRL HQ. It is anticipated that a revised version will be presented to ARISS early in 2026. This process has essentially halted activity by the ARISS committee and it is considered "on hold" until the MOU is finalized. Director Tharp continues to act in the role of liaison between ARISS and the ARRL Board. He is in contact almost biweekly with Ms. White and at times, Mr. Bauer. This relationship is maintaining the line of communication between the two organizations.

### **ARRL ARISS Committee Communications**

The Committee is appreciative of Ms. White's continuing to notify the Committee and Directors, Vice Directors, and Section Managers in the respective divisions and sections when an ARISS radio contact near them has been scheduled by NASA.

The Committee would like to note that many times these contacts receive final approval from NASA within less than a week of a contact, and on occasion, the amount of time for notification is three days. ARISS makes every attempt to put the word out as soon as contact dates are finalized.

Ms. White also sent many pieces of information or notes not specific to ARISS school contacts to Director Tharp to be shared, if appropriate, with ARRL leaders and the ARRL ARISS Committee Chair. Here are a few examples:

- Details on upcoming ARISS SSTV sessions
- Ms. White having drafted a petition from ARISS to the FCC regarding AST Space Mobile; Mr. Bauer and ARISS team members reviewed it prior to Mr. Bauer submitting it.
- Date windows opened for schools to submit ARISS Education Proposals in hopes of being selected for an ARISS contact
- Cosmonauts' ARISS SSTV transmissions having a few problems that the ARISS team needed to resolve
- Ms. White submitted her letters about US Senate bill 459 and House of Representatives bill 1094 and also, prepared on behalf of ARISS its "comments on the comments" regarding AST Space Mobile.
- Updates on progress with steps to get ARISS HamTV re-installed and re-tested

Image: Astronaut Nichole Ayers really enjoyed getting a run going while doing Field Day QSOs! Astronaut Jonny Kim, KJ5HKP made this post on Facebook about his and her FD activity.



## Summary of ARISS Program

Amateur Radio on the International Space Station (ARISS) is a well-known international working group that promotes STEM education and Amateur Radio. In 1996 the ARRL CEO tasked ARRL Headquarters staff to meet NASA's challenge to set up just 1 worldwide ISS ham radio team. The staff set about establishing ARISS-International, contacting IARU societies while AMSAT-NA contacted other AMSAT societies. The ARRL has been an ARISS sponsor since 1996. ARISS was built on the shoulders of human spaceflight radio activities since 1983 when national amateur radio groups began working with space agencies to fly Amateur Radio to support educational and ham radio activities on the Space Shuttle (SAREX), Mir (Mirex) and the ISS (ARISS).

The ARRL-led portions of these projects always included leadership roles, advice to ARISS on items related to FCC and IARU regulations, public relations support to the ham community, and sometimes education activities related to school radio contacts.

The first ARISS contact took place December 21, 2000. ARISS has thrived for 25 years! In December 2025, the ARISS team began a year-long celebration of its 25 years of Amateur Radio accomplishments in space.

The kick-off of the celebration—a November ARISS SSTV event—commemorated ARISS’s 25 years and also scouting on the air. Over 875 people took part, downloading and submitting 1,991 ARISS image files to the online ARISS SSTV Gallery. Nearly half of participants were students (183) and educators (233) and a lot of students were not yet licensed hams. These SSTV transmissions were on the 70-centimeter band and many participants had to learn about the more difficult Doppler shift versus the typical 2-meter ARISS SSTV. Enthusiasts loved the challenge, emailing positive comments on new things they learned and photos of antennas they’d built just for this event! Rosalie White stated, “This ARISS SSTV event inspired hams to learn about 70-centimeter Doppler, motivated other hams to return to 70 centimeters operations, and proved to companies who try to steal 70 centimeters from hams, that we continue to use and experiment with the band!”

ARISS has had multi-hundreds of successes in the past 25 years. This report, covering only July to December 2025, lists bullets for only a few of the major accomplishments of the past 6 months:

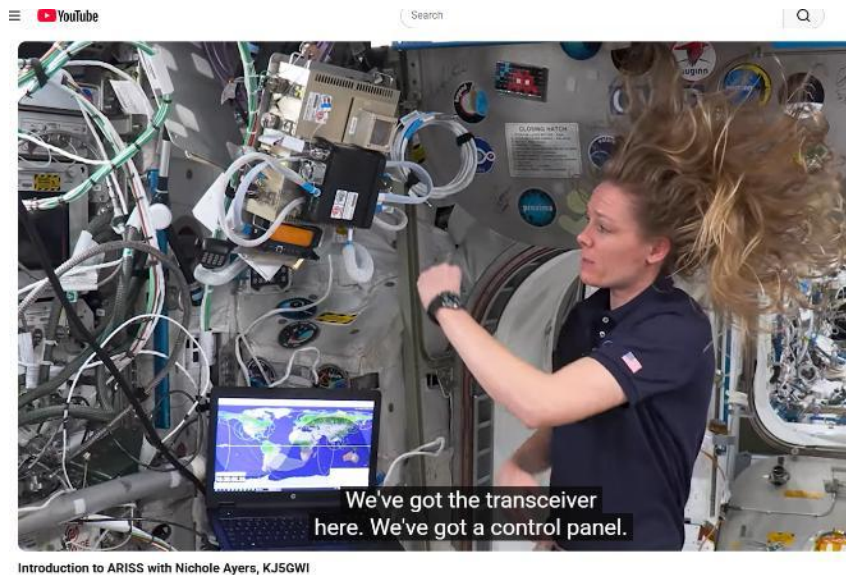
- ARISS HamTV re-installed, re-tested, and in October, used for an ARISS contact once again!
- another meeting with SpaceX
- final steps done to complete the NAVCOM experiment and
- A *really* big deal...produced with NASA a new video (4 minutes long, premiered Dec. 4) about the ARISS radio station and how ARISS radio contacts work. Narrator, astronaut Nichole Ayers, KJ5GWI stated two very important things:

\*ARISS is tertiary back-up communications for the ISS and

\*ARISS helps on-orbit crew keep positive attitudes about their months in space.

During the vid, Nichole said doing ARISS contacts “*is a blast!*” At the end, she added, “*It's really rewarding to hear the excitement in your voices talking to somebody up here in space and it's a true privilege for me to be able to inspire the new generation of scientists and engineers through amateur radio!*” Happily, the video (so beneficial to ARISS!) resides on Johnson Space Center’s YouTube channel (great PR!) and on ARISS’s YouTube channel (<https://www.youtube.com/watch?v=egnzgGG3wwE>).

See screenshot below, from the new video of Nichole Ayers highlighting the ARISS radio station.



In December, NASA celebrated *its* 25 years of ISS activities. In multiple news stories about NASA successes, ARISS was touted. See the two examples below.

**\*\* 1<sup>st</sup> example--**

**25 Years of Scientific Discovery**

November marks 25 years of human presence aboard the International Space Station. Since the first crew arrived on Nov. 2, 2000, NASA and its partners have conducted thousands of research investigations to advance exploration of the Moon and Mars and benefit life on Earth.

[International Space Station](#)

**MISSION COVERAGE**

ISS Ham Radio has been highlighted on different ISS program products related to 25<sup>th</sup> anniversary of human presence. Here are the links:

- [Tour the International Space Station: 25 Years of Humans in Space - YouTube](#)
- [25 Years of Space Station Technology Driving Exploration - NASA](#)
- [25 Years of Scientific Discovery Aboard the International Space Station - NASA](#)
- [NASA Astronaut Jonny Kim Advances Research Aboard Space Station - NASA](#)

**\*\* 2<sup>nd</sup> example--**

### **Enabling global access to space**



NASA astronaut Nichole Ayers talks on a ham radio with students from Lakeside Junior High School in Springdale, Arkansas. Ayers answered questions from the students about her experience living and working aboard the International Space Station.  
NASA

Since 2000, the space station has opened doors for private companies, researchers, students, and astronauts around the world to participate in exploration and help propel humanity forward to the Moon and Mars.

- The space station is a launchpad for the commercial space economy, enabling private astronaut missions and hosting hundreds of experiments from commercial companies, giving them the chance to strengthen their technologies through in-orbit research, manufacturing demonstrations, and innovation.
- CubeSats deployed from the space station enable students and innovators around the world to test radio antennas, small telescopes, and other scientific demonstrations in space.
- More than one million students have engaged with astronauts via ham radio events, ~~inspiring the next generation to participate in science, technology, engineering, and~~

Note the very last bullet—about ham radio—and in the image, Nichole Ayers floats while holding the mic connected to the ARISS radio.

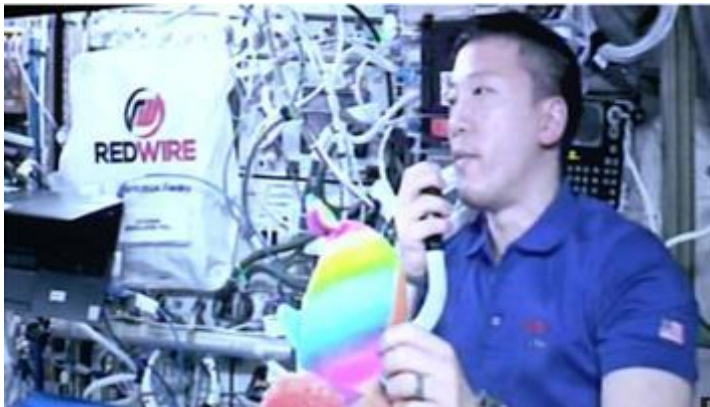
Each year ARISS's team member at Johnson Space Center helps astronauts earn ham licenses and trains them to make ARISS school contacts and QSOs with hams. On-the-air ham activity from the ISS shows tens of thousands of people that Amateur Radio is still relevant! ARISS activity puts Amateur Radio in the lives of students, educators, media, communities, and hams. In second-half 2025, Mike Fincke, KE5AIT, launched to the ISS in August and supported many ARISS school contacts and made ham operators happy when doing general QSOs.

Image: ARISS's team member in Houston, taught astronauts Chris Williams, KF5UWJ and Zena Cardman, KJ5CMN seen below, how to use the ARISS radio and how to make ARISS contacts. In the image, during an ARISS contact, Zena gave reminders about ARISS to Chris who had just arrived on the ISS.



Hams are proud to know astronauts are licensed hams. Hams enjoy making thousands of Amateur Radio contacts each year via the ARISS cross band repeater and using ARISS packet, and ARISS SSTV is incredibly popular.

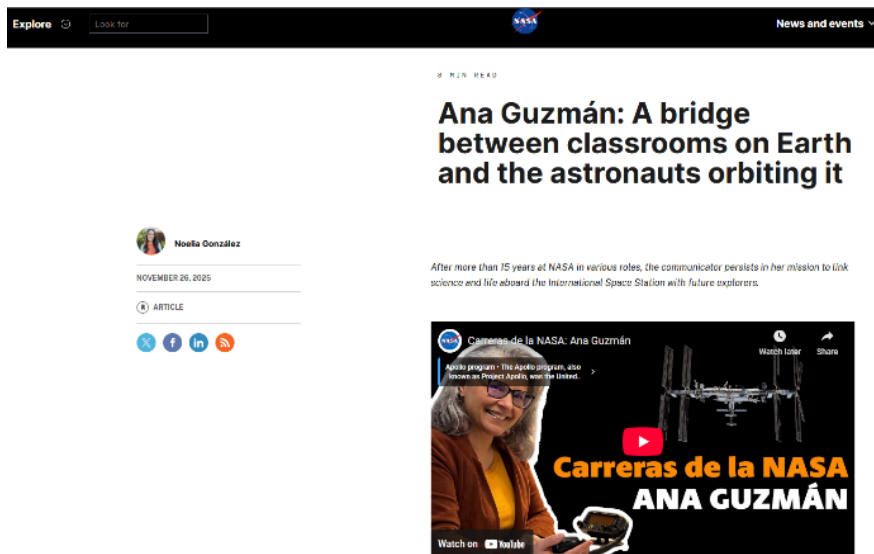
Image: School kids once again got to see an on-orbit astronaut talking to them during their ARISS school contact after ARISS HamTV was re-installed and re-tested in second-half 2025.



## **ARRL and ARISS Goals**

The number one goal of ARISS is to be all about education and inspiring youth about STEM and STEM careers, especially space and radio communications. The agreement between ARISS and schools is for them to handle the media in their area. Schools do a fine job with that, resulting in many media hits. ARISS prepares and distributes news releases to the ham radio community and aerospace community prior to an ARISS school contact. Naturally, these news releases have a balanced mix of information on radio and space and on related careers and ISS onboard research. NASA regularly watches for things that would make a good story about ARISS. A NASA staffer

composed a story on Ana, the woman ARISS pays to work at Johnson Space Center (see image below). The story traced her career path and talked about ARISS.



For the list of **119 media hits(!)** about ARISS in non-ham radio news outlets from July 1 to December 31, 2025, please see Appendix B.. These do not include any of the media stories prepared and publicized by the ARISS team.

## ARISS Contacts in the Second Half of 2025

Below is the chart showing ARISS radio contacts that were supported during the second half of 2025. Every group hosting an ARISS contact is expected to provide radio and space lessons for many weeks. The lessons are to inspire students to learn more and to consider careers in science, technology, engineering and math.

Image: Students tried their hands at activities tied to electronics.



<b>ARRL ARISS radio contacts, July - Dec. 2025</b>	
Scouts and students of Debrecen, Mezőberényi	Hungary
University of Wroclaw	Poland
UR Human Space Flight Center	India
Rzeszow school students	Poland
North Eastern Space Applications Center	India
Mobilis Kozhasznu Youth Exhibit Center	Hungary
Osaka-Kansai Japan Expo youth groups	Japan
N. Sultanov International Aerospace School	Russia
YOTA-Region 2	Denver, CO
Nixder Stelar Academy	Peru
Orion Primary School	South Africa
Ethiopian Space Science Society	Ethiopia
Research Vessel Nautilus education team	Pacific Ocean
Pan American International School	Paraguay
Students at Taka Town Board of Education	Japan
Amur State University	Russia
Pinecrest Academy	Cumming, GA
Pobeda schools	Russia
Instituto Politecnico Nacional-Planetario L. E. Erro	Mexico
Girl Guides Association	Australia
Paterson P-Tech HS	Patterson, NJ
Namibia Scientific Society	Namibia
Radford Semele Scouts	U.K.
Colegio de Cultura	Colombia
Terre Haute Children's Museum	Terre Haute, IN
18th Primary School	Greece
Miejski Dom Kulury w Kolo	Poland
Australian Air League	Australia
Wavell High School @at Q-Tech Conference	Australia
Petőfi Sándor Evangélikus Gimnázium	Hungary
Colegio Del Faro, Benavidez	Argentina
Amur State University	Russia
Escuela Jose Marti	Mexico
Center for Creative Development of Youth	Russia
South West State University	Russia
Moscow Aviation Institute	Russia
Students from Aznakaevsky District	Russia
Istruzione Superiore & IC G Mazzini schools	Italy
Lincoln Magnet School	Springfield IL
Russian State Agrarian University	Russia

## **ARISS Outreach Events**

For a table listing ARISS volunteers' outreach at ham conventions, hamfests, club talks, education conferences, aerospace conferences, school classrooms, and more, please see Appendix A. This table includes only ARISS outreach events completed by the ARISS Team during July through December 2025.

Image below: one of the many exhibits that is “all about ARISS,” staffed by ARISS educators—this one attracting all ages



## **Thank You, ARRL**

ARISS thanks ARRL for its ongoing support of ARISS. At ARISS forums at ham conventions, ARISS regularly thanks ARRL for its annual support to ARISS and for the generous funding it has provided. ARRL's sponsorship is critical to ARISS and is greatly appreciated.

Respectfully submitted,

Rosalie White, K1STO  
ARISS Liaison to ARRL

Mark J. Tharp, KB7HDX  
ARRL ARISS Committee Chair

## **Appendix A.: Volunteer Outreach Activities**

(ham conventions, hamfests, club talks, education conferences, aerospace conferences, ARISS school classroom lessons and talks, and more)

<b>ARISS Outreach Events, July – Dec. 2025</b>	
Moon Day ARISS exhibit	Dallas, Texas
Limitless Space Institute-ARISS lessons	Houston, Texas
Young Eagles-ARISS lessons	Greenville, Illinois
Space Week-ARISS camp	Italy
County-Wide Kids Summer Camp-ARISS & radio lessons	Greenville, Illinois
Apollo-Soyuz SSTV session-youth/lifelong learners	US-led team
North-Grumman Radio Club-ARISS talk	Redondo Beach, California
Dallas Area Amateur Radio Club ARISS talk	Dallas, Texas
Youth Camp Kosmos-radio & space lessons	Russia
National Space Research Development Agency-ARISS lessons	Nigeria
Palos Verdes Amateur Radio Club-ARISS talk	Palos Verdes, California
Camp BTX Summer Camp-ARISS lessons	Brownsville, Texas
Field Day crew outreach-ARISS astronauts on the air	US-led team
CARAFest-ARISS exhibit	W. Friendship, Maryland
25 Years ARISS on ISS SSTV session-youth/lifelong learners	US-led team
School District 43-ARISS talk to teachers	Pana, Illinois
ARISS Webinar-ARISS talk to teachers	all of the US
AMSAT Colloquium-ARISS talk	U.K.
AMSAT-NA Symposium-ARISS talk	Phoenix, Arizona
Small Sat Conference-ARISS talk to teachers	Merritt Island, Florida
Columbia Amateur Radio Club-ARISS talk on SSTV	Laurel, Maryland
POI Working Group-ARISS talk	Huntsville, Alabama
Conference for Advancement of Science & Tech-ARISS booth	Dallas, Texas
Santa Clarita Amateur Radio Club-ARISS talk	Santa Clarita, California
South Bay Amateur Radio Club-ARISS talk	Torrance, California

**Appendix B: List of 119 *Known* Media Hits from second half 2025** for the list of **119 media hits** in non-ham radio publications from July 1 to December 31, 2025, about ARISS! These do not include any of the media stories prepared and publicized by the ARISS team.

Programming on Fox 35 – a NASA Crew 11 Media Conference

Mike Finke was asked 2 questions (and then talked about) his plans to get on the air from space

<https://www.youtube.com/live/li4wIQXPif4?si=1fl2hS6ckOCPPoFQ&t=1706>

[Ms. White’s footnote...all US crew 11 members hold a ham radio license]



LIVE: NASA's SpaceX Crew-11 speak ahead of launch



FOX 25 Orlando @fox25orlando



MSN [story from another outlet was picked up by MSN]

Ham radio connection by ARISS, facilitates youth interaction

<https://www.msn.com/en-in/autos/photos/shubhanshu-shukla-to-interact-with-school-students-at-nesac-on-tuesday/ar-AA111XIS>

WION

The connection of students with astronauts on ISS is facilitated by the Amateur Radio on ISS group ...

<https://www.wionews.com/india-news/-maybe-one-of-you-will-become-first-indian-on-moon-shubhanshu-shukla-motivates-students-from-iss-1751976809478>

*The Hindu* - 3 news stories

Axiom-4 mission connects Shukla to students via ham radio at UR Rao Satellite Centre, July 4

<https://www.thehindu.com/sci-tech/science/axiom-4-mission-group-captain-shukla-to-interact-with-students-via-ham-radio-on-july-4/article69756635.ece>

and

Mysuru's Excel Public School students connect with astronaut Shukla on the ISS via amateur radio

<https://www.thehindu.com/news/national/karnataka/space-talk-mysuru-school-students-to-interact-with-astronaut-shubhanshu-shukla-on-july-4/article69768042.ece>

and

Shukla tells students via ham radio about the exciting view of Earth from ISS

<https://www.thehindu.com/sci-tech/exciting-to-see-earth-from-vantage-point-of-iss-shubhanshu-shukla/article69773405.ece>

#### *Hindustan Times*

Amateur Radio on International Space Station-ARISS and ISRO helps Shubhanshu Shukla talk to students

<https://www.hindustantimes.com/india-news/indian-astronaut-shubhanshu-shukla-to-interact-with-students-isro-scientists-on-friday-101751301058834.html>

#### *NewsBytes - 2 news stories*

Ham radio run by licensed enthusiasts, students to communicate with Indian astronaut

<https://www.newsbytesapp.com/news/science/india-s-1st-astronaut-on-iss-to-connect-with-school-kids/story>

and

Indian enthusiast to connect youth to astronaut through ham radio—it's a lifeline during emergencies

<https://www.newsbytesapp.com/news/india/indian-ham-radio-enthusiast-to-connect-with-astronaut/tldr>

*News-webindia123*

Captain Shukla uses Amateur Radio on the International Space Station (ARISS) for kids at URSC

<https://news.webindia123.com/news/articles/World/20250630/4333104.html>

*Deccan Herald*

ham radio link students

<https://www.deccanherald.com/science/space/shukla-starts-second-experiment-on-micro-algae-in-space-five-more-to-go-3609348>

India TV News

Astronaut Shubhanshu connects through ham radio with students with ISRO engineers

<https://www.indiatvnews.com/science/astronaut-shubhanshu-shukla-to-connect-with-school-students-isro-engineers-on-friday-2025-07-01-996963>

*Mashable India*

Axiom-4's Shukla will connect with Bengaluru students via Ham radio.

<https://in.mashable.com/science/96421/shubhanshu-shukla-to-call-home-from-iss-on-july-4-to-interact-with-isro-students>

*Press Trust of India*

Shubhansha's Friday evening interaction with ARISS

<https://www.ptinews.com/editor-detail/Shubhanshu-Shukla-to-interact-with-school-students--ISRO-engineers-on-Friday/2687938>

News18

Shukla with Karnataka students

<https://www.news18.com/india/shubhanshu-shukla-to-interact-with-karnataka-students-isro-engineers-in-live-space-chat-ws-l-9413115.html>

Public TV English

Captain Shukla to interact with students via ham radio on the ISS

<https://english.publictv.in/group-captain-shukla-to-interact-with-ursc-via-ham-radio-from-iss-on-july-4/>

*Kashmir Reader*

Shukla's historic radio contact from space--ham radio renowned for reliable emergency communications

<https://kashmirreader.com/2025/07/02/astronaut-shubhanshu-shukla-to-make-historic-radio-contact-with-india-from-space/>

*PressReader* X post

On July 4, ARISS radio and students will connect

<https://www.pressreader.com/india/millennium-post/20250701/281990383518857>

*The New Indian Express* - 2 news stories

Questions by students will be relayed through ham radio in the USA

<https://www.newindianexpress.com/states/karnataka/2025/Jul/02/shubhanshu-shukla-to-interact-with-students-from-iss-on-july-4>

and

Ham radio club custodian Mahesh MB has prestigious opportunity to allow students to talk via ham radio

<https://www.newindianexpress.com/states/karnataka/2025/Jul/04/mysuru-school-students-to-connect-with-astronaut-shukla-today>

*EdexLive*

<https://www.edexlive.com/news/2025/Jul/02/group-captain-axiom-4-manned-space-mission-pilot-shubhanshu-shukla-to-interact-with-students-from-bengaluru>

*India Today* - 3 news stories

Unique event conducted via ham radio for satellite centre

<https://www.indiatoday.in/education-today/news/story/shubhanshu-shuklas-space-talk-with-students-isro-set-for-july-4-2749399-2025-07-02>

and

Shukla to use ham radio to inspire students for STEM education

<https://www.indiatoday.in/amp/education-today/news/story/shubhanshu-shuklas-space-talk-with-students-isro-set-for-july-4-2749399-2025-07-04>

and

"We don't follow the Sun," astronaut "Shux" told captivated students during a live ham radio contact.

<https://www.indiatoday.in/amp/science/story/shubahsnhu-shukla-ax-4-mission-isro-student-interaction-astronaut-sleeping-in-space-2752587-2025-07-08>

*Jagran Josh* - 2 news stories

Ham radio, officially known as Amateur Radio, is used for talking by astronauts to students a non-  
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<https://www.jagranjosh.com/articles/astronaut-shubhanshu-shukla-to-talk-with-school-students-from-space-what-is-ham-radio-and-how-does-it-work-1800000591-1>

and

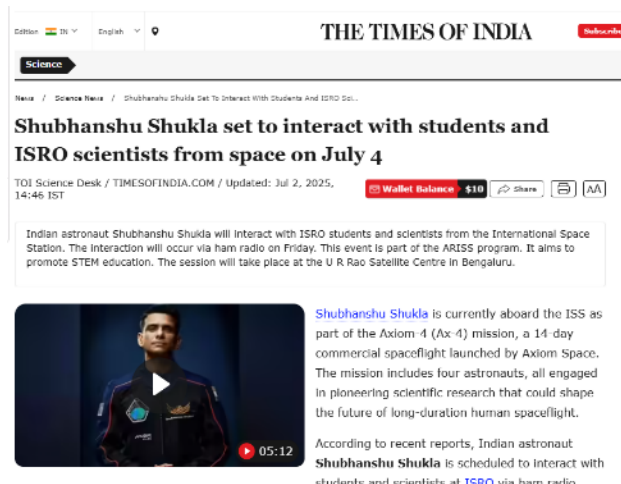
Shubhanshu Shukla's voice crackles through the ham radio waves for student exchanges

<https://www.jagranjosh.com/news/space-talk-mysuru-school-students-to-connect-with-astronaut-shubhanshu-shukla-180173>

*Times of India* - 2 News Stories

Shubhanshu, a ham radio licensed astronaut, talks to students and scientists

<https://timesofindia.indiatimes.com/science/shubhanshu-shukla-set-to-interact-with-students-and-isro-scientists-from-space-on-july-4/articleshow/122198707.cms>



and

Mysuru school students to talk to astronaut Shubhanshu

<https://timesofindia.indiatimes.com/city/mysuru/mysuru-school-students-to-interact-with-astronaut-shubhanshu-shukla-today/articleshow/122233689.cms>

*The Economic Times*

Interaction set up for NESAC in Shillong via the Amateur Radio on International Space Station

<https://economictimes.indiatimes.com/tech/technology/astronaut-shubhanshu-shukla-to-interact-with-school-students-at-nesac-on-tuesday/articleshow/122270957.cms?from=mdr>

OdishaTV

Indian astronaut Shubhanshu Shukla to interact with students via ham radio to promote STEM

<https://odishatv.in/news/national/shubhanshu-shukla-to-inspire-young-minds-with-live-ham-radio-session-from-space-266806>

*The South First*

ARISS amateur radio contact organised by AMSAT India and Upagraha Amateur Radio Club

<https://thesouthfirst.com/karnataka/bengaluru-students-to-interact-with-axiom-4-astronaut-shubhanshu-shukla/>

NDTV

Ham radio, a global technology-driven social network has connected many, allows ARISS to work

<https://www.ndtv.com/india-news/indian-ham-radio-operator-will-connect-with-astronaut-shubhashu-shukla-8818846>

*Gujarat Samachar*

A Lucknow-born Shukla on 14-day ISS scientific expedition, will use ARISS to talk to students and hams

<https://english.gujaratsamachar.com/news/science-technology/shubhanshu-shukla-working-to-develop-brain-computer-interface-in-space>

*The Economic Times*

Interaction set up for NESAC in Shillong via the Amateur Radio on International Space Station

<https://economictimes.indiatimes.com/tech/technology/astronaut-shubhanshu-shukla-to-interact-with-school-students-at-nesac-on-tuesday/articleshow/122270957.cms?from=mdr>

OdishaTV

Indian astronaut Shubhanshu Shukla to interact with students via ham radio to promote STEM

<https://odishatv.in/news/national/shubhanshu-shukla-to-inspire-young-minds-with-live-ham-radio-session-from-space-266806>

*The South First*

ARISS amateur radio contact organised by AMSAT India and Upagraha Amateur Radio Club

<https://thesouthfirst.com/karnataka/bengaluru-students-to-interact-with-axiom-4-astronaut-shubhanshu-shukla/>

NDTV

Ham radio, a global technology-driven social network has connected many, allows ARISS to work

<https://www.ndtv.com/india-news/indian-ham-radio-operator-will-connect-with-astronaut-shubhashu-shukla-8818846>

*Gujarat Samachar*

A Lucknow-born Shukla on 14-day ISS scientific expedition, will use ARISS to talk to students and hams

<https://english.gujaratsamachar.com/news/science-technology/shubhanshu-shukla-working-to-develop-brain-computer-interface-in-space>



YouTube

After a long career at India's space agency, a ham radio operator helps Shukla connect to youth

<https://www.youtube.com/watch?v=jERSG035Jlw>

YouTube

ARISS bridging ham radio tech with cutting-edge space exploration ARISS and global space diplomacy

<https://www.youtube.com/watch?v=IdCFI23ogyU>

NewsX

... ham radio from aboard the space station--a significant moment

<https://www.youtube.com/watch?v=ELmKYXuIKSs>

News By Careers360

Mysuru students interact via radio frequency transmissions with space

<https://news.careers360.com/mysuru-school-students-subhanshu-shukla-interaction-amateur-ham-radio-astronaut-iss-space-mission-excel-public>

*NewsDrum* - 2 news stories

Shukla became the Indian astronaut doing amateur radio

<https://www.newsdrum.in/national/exciting-to-see-earth-from-vantage-point-of-iss-shubhanshu-shukla-9463297>

and

amateur radio communication operated by licensed enthusiasts and Shuhansha Shukla

<https://www.newsdrum.in/national/shubhanshu-shukla-to-interact-with-school-students-at-nesac-on-tuesday-9466615>

YouTube

A historic and heartwarming moment, Shukla made contact with ham radio enthusiasts

<https://www.youtube.com/watch?v=yjV0QJ6XP7E>

*ANI News*

ham radio and life aboard the ISS, highlighted the importance of international collaboration

<https://www.aninews.in/news/world/asia/international-collaboration-aam-ras-group-captain-shukla-shares-his-experience-onboard-iss-with-students20250704173242/>

*Devdiscourse*

Shubhanshu Shukla will communicate with students using ham radio

<https://www.devdiscourse.com/article/entertainment/3494197-astronaut-shubhanshu-shukla-connects-students-to-the-stars-via-ham-radio>

ABP Live - ABP News

Ham radio is helping students interface with Shubhanshu...

<https://news.abplive.com/news/india/shubhanshu-shukla-to-interact-with-school-students-at-nesac-on-tuesday-1785585>

*Press Trust of India* - 2 news stories

... ham radio contact for NESAC in Shillong

<https://www.ptinews.com/story/national/shubhanshu-shukla-to-interact-with-school-students-at-nesac-on-tuesday/2702955>

and

Shukla told a bunch of excited school students via amateur radio Tuesday...

<https://www.ptinews.com/story/national/many-of-you-can-become-astronauts-walk-on-moon-shubhanshu-shukla-tells-students-at-nesac/2709660>

TVP World

POLSA confirmed completion of a Poland Amateur Radio on the International Space Station contact

<https://tvpworld.com/87661882/polands-ignis-space-mission-hits-63-milestone>

*Mint*

The ham radio activity is planned for NESAC in Shillong

<https://www.livemint.com/science/stunning-visuals-shubhanshu-shukla-enjoys-view-of-earth-from-iss-11751812173241.html>

*GKToday*

Ham radio using radio waves for communication is sometimes used for knowledge sharing

<https://www.gktoday.in/question/indian-astronaut-shubhanshu-shukla-recently-interacted-with-students-f>

*Drishti IAS*

amateur radio, a non-commercial radio communication service is being used for experimentation

<https://www.drishtias.com/daily-updates/daily-news-analysis/ham-radio-life-on-the-international-space-station>

*Deccan Chronicle*

Via Ham radio, ISS astronaut inspires children in Meghalaya and Assam to dream.

<https://www.deccanchronicle.com/nation/astronaut-shubhanshu-shukla-connects-with-ne-students-from-space-1890167>

*Zee News - India.Com*

Shukla in space thrilled students in a live ham radio chat, reviving interest in this old but powerful tech...

<https://zeenews.india.com/india/inspiring-tomorrows-astronauts-how-ham-radio-brings-space-to-classrooms-2928848.html>

NBC TV18

Students submitted 20 questions to Shukla, and he used a 10-minute window to connect via ham radio

<https://www.cnbc18.com/india/science/shubhanshu-shukla-axiom-mission-4-nesac-student-interaction-iss-earth-isro-nasa-space-19633713.htm>

*Telangana Today*

Astronaut Shukla inspired students from Meghalaya and Assam during a 10-minute ham radio chat

<https://telanganatoday.com/walk-on-the-moon-shubhanshu-shukla-tells-students>

*The Tribune*

...amateur radio from the International Space Station...

<https://www.tribuneindia.com/news/india/from-iss-to-classroom-shukla-tells-students-many-of-you-can-become-astronauts/>

Jammu Links News

Ham radio from space encourages a young audience to pursue space dreams

[https://www.jammulinksnews.com/newsdetail/390705/Jammu-Links-News-%22Lot\\_of\\_kids\\_from\\_will\\_become\\_astronauts\\_in\\_the\\_future%22\\_Group\\_Captain\\_Shukla\\_during\\_call\\_with\\_students\\_onboard\\_ISS](https://www.jammulinksnews.com/newsdetail/390705/Jammu-Links-News-%22Lot_of_kids_from_will_become_astronauts_in_the_future%22_Group_Captain_Shukla_during_call_with_students_onboard_ISS)

### *Millennium Post*

Shukla used a 10-minute window to connect with students via ham radio

<https://www.millenniumpost.in/nation/many-of-you-can-become-astronauts-walk-on-moon-shubhanshu-shukla-tells-students-at-nesac-618095>

### *Stocktwits*

amateur radio contact from the International Space Station

<https://stocktwits.com/news-articles/markets/equity/shubhanshu-shukla-axiom-mission-4-nesac-student-interaction-iss-earth-isro-nasa-space-19633713/chFvMx4R5WL>

### *ThePrint*

In a pep talk via ham radio from space with students in Meghalaya...

<https://theprint.in/india/small-big-all-kinds-of-towns-will-have-their-own-astronauts-one-day-says-group-captain-shukla/2683588/>

### *Highland Post*

ham radio event hosted at the North Eastern Space Applications Centre conducted

<https://highlandpost.com/meghalaya-assam-students-get-rare-opportunity-to-interact-with-astronaut/>

### *Northeast Live*

astronaut connected with students using amateur radio, making it an inspiring moment

<https://northeastlivetv.com/topnews/shubhman-shukla-speaks-to-students-from-assam-and-meghalaya-from-space-tells-them-he-will-guide-them-to-become-astronauts-walk-on-the-moon/>

ETV Bharat

From 250 miles above the Earth, the crew spent time using hamradio

<https://www.etvbharat.com/en/!technology/axiom-4-mission-shubhanshu-shukla-to-return-to-earth-on-july-14-says-nasa-enn25071100631>

*Pragativadi*

Axiom Space had ham radio contacts and highlighted a mission that may lead to medical breakthroughs

<https://pragativadi.com/axiom-4-astronaut-shubhanshu-shukla-to-return-to-earth-on-july-14-confirms-nasa/>

*Madhyamam*

... ham radio time with Shukla

<https://madhyamamonline.com/science/axiom-4-astronaut-shubhanshu-shukla-set-to-return-on-july-14-1426946>

Telex

Astronaut uses ham radio, and even teaches physics in answering student questions.

<https://telex.hu/english/2025/07/15/hungarian-astronaut-tibor-kapu-returns-to-earth>

ISRO

Two ARISS contacts enabled real-time conversations with school students.

[https://www.isro.gov.in/Axiom04\\_mission\\_successfully\\_concluded\\_return\\_ISRO\\_Gaganyatri\\_ShubhanshuShukla.html](https://www.isro.gov.in/Axiom04_mission_successfully_concluded_return_ISRO_Gaganyatri_ShubhanshuShukla.html)

*Reforma.com*

Story on ARISS contact at Instituto Politecnico Nacional, Vermont School in Mexico City

<https://www.reforma.com/sostienen-estudiantes-llamada-espacial/ar2938724>



August

*Albion Record* newspaper

Story on ARISS contact on Orion Primary School

[Orion Primary School did not send the URL]

September

Paterson Public School District web site

web story on Paterson P-Tech ARISS contact

<https://pps.eduvision.tv/default.aspx?q=X3Y5NcZVhaAU80RBSjvRz3fJBhsJkHGr4P5GRKww1EvcpxNrXyReSA%253d%253d>

October

FLT Comunicaciones.com

web story on ARISS contact at Colegio de Cultura Popular, Bogota Colombia

[https://fltcomunicaciones.com/fltportal/web/ver\\_mas/Tv/82195/2025-10-23/283](https://fltcomunicaciones.com/fltportal/web/ver_mas/Tv/82195/2025-10-23/283)

*Wabashvalley.com.news* - 4 news stories

Terre Haute ARISS contact and students' lessons for weeks prior to the contact

<https://www.mywabashvalley.com/news/terre-haute-childrens-museum-iss/>

<https://www.mywabashvalley.com/news/terre-haute-kids-to-get-unique-chat-with-astronaut>

<https://www.mywabashvalley.com/news/gibson-allen-planetarium-to-stream-live-nasa-astronaut-interview>

<https://www.mywabashvalley.com/news/local-news/terre-haute-childrens-museum-set-to-have-space-activities-after-ariss-contact>

<https://www.mywabashvalley.com/news/local-news/local-students-contact-astronaut-on-international-space-station/>

*The TribStar*

ARISS contact at Terre Haute Childrens Museum

[https://www.tribstar.com/news/local\\_news/terre-haute-children-s-museum-hosts-celebration-of-space-exploration/article\\_4496de90-5680-497d-84ad-14f47bb2a7a2.html](https://www.tribstar.com/news/local_news/terre-haute-children-s-museum-hosts-celebration-of-space-exploration/article_4496de90-5680-497d-84ad-14f47bb2a7a2.html)

WTWO TV

Posted a news story & vid...catching me [in red jacket...Rosalie, K1STO] with my Indiana state house representative that I had brought with me to watch the kids engaging in the ARISS contact



*Forsythe County News*

Story on Pinecrest Academy hosting ARISS contact

<https://www.forsythnews.com/news/education/pinecrest-academy-students-make-live-contact-with-astronaut-aboard-international-space-station/>



*Georgia Bulletin*

Pinecrest Academy hosts ARISS contact

<https://georgiabulletin.org/news/2025/10/pinecrest-students-reach-for-the-stars-in-radio-contact-with-nasa-astronaut/>

*AppenMedia.com*

[https://www.appenmedia.com/forsyth/pinecrest-academy-students-link-to-space-station-astronaut/article\\_900e1db6-51ee-4b23-8c68-3f79ff5b3c6b.html](https://www.appenmedia.com/forsyth/pinecrest-academy-students-link-to-space-station-astronaut/article_900e1db6-51ee-4b23-8c68-3f79ff5b3c6b.html)

November

radio station 1395AM

Rad Interview of ARISS ground station hams about the Australian Air League ARISS contact

*Nautilus News Service* - 6 stories

video posted of ARISS contact with the Nautilus ocean-going research vessel staff

- YouTube - <https://www.youtube.com/watch?v=42-2vDzvGiw>
- IG Reel part 1 - [https://www.instagram.com/reel/DPXGHdsj\\_4e/](https://www.instagram.com/reel/DPXGHdsj_4e/)
- IG Reel part 2 - <https://www.instagram.com/reel/DPg3J57jeY2/>
- LinkedIn post with video: [https://www.linkedin.com/posts/ocean-exploration-trust\\_from-space-to-sea-a-conversation-with-an-act...](https://www.linkedin.com/posts/ocean-exploration-trust_from-space-to-sea-a-conversation-with-an-act...)
- X thread with video: <https://x.com/EVNautilus/status/1974193918146458061>
- Facebook post with video:

<https://www.facebook.com/nautiluslive/posts/pfbid028epPeejeydCKAhiA9oH8SyAo7v5F8TFb3L1TwsQuArzr15by...>

*El Tiempo*

The school said..."the most important newspaper in Columbia"

Estudiantes de colegio público en Bogotá hablarán con astronauta de la Nasa desde la Estación Espacial Internacional

Noticias RCN X post

ARISS contact story for Bogota school, Colegio de Cultura

<https://t.co/KzMhdyxJOj>" / X

Secretary of Education for Bogota X post

Story about ARISS contact

Espacial Internacional <https://t.co/iXbfGhFCHE>" / X

*BBC.Co.UK* - 2 news stories

ARISS contact vid for 1st Radford Semele Scouts with an area school [accessible to view only 1 week]

<https://www.bbc.co.uk/iplayer/episode/m002l61g/midlands-today-evening-news-10102025>



and

*BBC.Co.UK*

ARISS contact news article

<https://www.bbc.co.uk/news/articles/cvgw833z04po>

United Kingdom Space Agency blog (for the story, they got and used a quote from Astronaut Tim Peake)

<https://space.blog.gov.uk/2025/10/20/scouts-speak-to-astronauts-aboard-the-international-space-station/>

Canfield School District web site, from School Superintendent

Updates include the future ARISS contact

<https://app.smore.com/n/5tr8f>

WFMJ

Canfield Hilltop Elementary School selected for future ARISS contact

<https://www.wfmj.com/story/53191192/canfield-students-to-talk-with-astronauts-in-space>

### Canfield students to talk with astronauts in space

The event is scheduled to take place sometime between January and May 2026, with NASA determining the exact date once the International Space Station's orbit and schedule align with the school's location for the live radio contact.

Indy Observer/Staff Writer  
Updated: News, Canfield, 5.0.24, 7:11 PM  
By: Mike Haskins



Cable TV station TVK

Story on ARISS contact in Koło—TV story reached nearly 5,200 in Koło and Kłodawa.

[https://tv.kolo.pl/programy/2025/319\\_nasa.mp4](https://tv.kolo.pl/programy/2025/319_nasa.mp4)

*Capital City NOW*

Story on Lincoln Magnet School ARISS contact

<https://capitolcitynow.com/news/248842-interstellar-springfield-students-get-chance-to-talk-with-astronauts-on-international-space-station/>

WAND TV - 3 stories by this media team

on ARISS radio contact at Lincoln Magnet School

[https://www.wandtv.com/never-thought-i-would-get-this-opportunity-springfield-students-talk-to-astronaut-aboard-iss/video\\_40cfd0a0-d1d0-529a-b263-3e231da29ef8.html](https://www.wandtv.com/never-thought-i-would-get-this-opportunity-springfield-students-talk-to-astronaut-aboard-iss/video_40cfd0a0-d1d0-529a-b263-3e231da29ef8.html)

[https://www.wandtv.com/news/never-thought-i-would-get-this-opportunity-springfield-students-talk-to-astronaut-aboard-iss/article\\_6adca9c6-e9bf-4378-b572-94f14bdc495e.html](https://www.wandtv.com/news/never-thought-i-would-get-this-opportunity-springfield-students-talk-to-astronaut-aboard-iss/article_6adca9c6-e9bf-4378-b572-94f14bdc495e.html)

[https://www.wandtv.com/news/education/lincoln-magnet-students-to-speak-with-astronauts-aboard-the-international-space-station/article\\_58a91e33-b465-4577-a74b-e39643c0a15d.html](https://www.wandtv.com/news/education/lincoln-magnet-students-to-speak-with-astronauts-aboard-the-international-space-station/article_58a91e33-b465-4577-a74b-e39643c0a15d.html)



101.9 radio, The Wolf

Inter-stellar, Springfield students get the chance to talk via amateur radio to an astronaut

<https://capitolwolf.com/news/248842-interstellar-springfield-students-get-chance-to-talk-with-astronauts-on-international-space-station/>

December

Patch radio

story on Lincoln Magnet School ARISS contact

[!\[\]\(5c15ba9377947e38b2e2544b77c612d5\_img.jpg\) Patch AM: How Springfield middle schoolers reached an astronaut speeding overhead | Springfield, IL Patch](#)

NASA Johnson Space Center YouTube channel

video created **with** the ARISS team that is all about how astronauts perform ARISS radio contacts



NASA web vignettes on science discoveries during the 25 years of the ISS...all stories included ARISS

Explore  News & Events Multimedia NASA+ LIVE

## 25 Years of Scientific Discovery

November marks 25 years of human presence aboard the International Space Station. Since that first crew arrived on Nov. 3, 2000, NASA and its partners have conducted thousands of research investigations to advance our exploration of the Moon and Mars and benefit life on Earth.

[International Space Station](#)

PROFESSOR SCIENCE SPACE STATION NEWS SPACE EXTENDING RESEARCH Your Orbiting Laboratory

NASA Astronaut to Join Expedition 73 Off the Earth, For the Earth

ISS Ham Radio has been highlighted on different ISS program products related to 25<sup>th</sup> anniversary of human presence. Here are the links:

- [Tour the International Space Station: 25 Years of Humans in Space - YouTube](#)
- [25 Years of Space Station Technology Driving Exploration - NASA](#)
- [25 Years of Scientific Discovery Aboard the International Space Station - NASA](#)
- [NASA Astronaut Jonny Kim Advances Research Aboard Space Station - NASA](#)

NASA web site You Tubes that talked about ARISS radio

<https://www.youtube.com/watch?v=nmBbcNTUkOg> tour of station, Kjell tells about ham radio  
<https://www.youtube.com/watch?v=D9gUhaOQ004>

Ciencia (NASA Science, a web site in Spanish)

web story on ARISS and employee Ana Guzmán--her NASA career that led to working with ARISS full time


<https://ciencia.nasa.gov/gente-de-la-nasa/ana-guzman-un-puente-entre-las-aulas-de-la-tierra-y-los-astronautas-que-la-orbitan/>

NASA Web site

Story about Crew 10 achievements, including ARISS contacts that engage the whole world

See last bullet in the story segment below

### Enabling global access to space



NASA astronaut Nichole Ayers talks on a ham radio with students from Lakeside Junior High School in Springdale, Arkansas. Ayers answered questions from the students about her experience living and working aboard the International Space Station.

NASA

Since 2000, the space station has opened doors for private companies, researchers, students, and astronauts around the world to participate in exploration and help propel humanity forward to the Moon and Mars.

- The space station is a launchpad for the commercial space economy, enabling private astronaut missions and hosting hundreds of experiments from commercial companies, giving them the chance to strengthen their technologies through in-orbit research, manufacturing demonstrations, and innovation.
- CubeSats deployed from the space station enable students and innovators around the world to test radio antennas, small telescopes, and other scientific demonstrations in space.
- More than one million students have engaged with astronauts via ham radio events, inspiring the next generation to participate in science, technology, engineering, and

#### CONTENTS

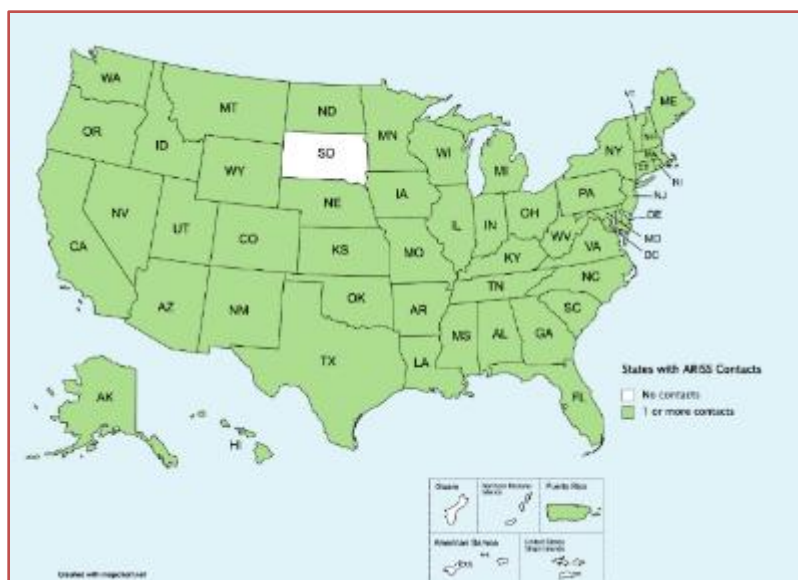
- Building the road to the Moon and Mars
- Sustaining life beyond Earth
- Helping humanity on Earth
- Understanding our universe
- Learning new physics
- Enabling global access to space

<https://images-assets.nasa.gov/image/isd77e882080/isd77e882080-large.jpg?w=1920&h=1280&ft=jpg&crop=face%2C%20crop%20point>

NASA Johnson Space Center web site

Christmas photo of Crew 11—all ham radio operators—with Zena Cardman at the mic





US ARISS Contacts—only missing SD—from Dec 21, 2000 to December 31, 2025