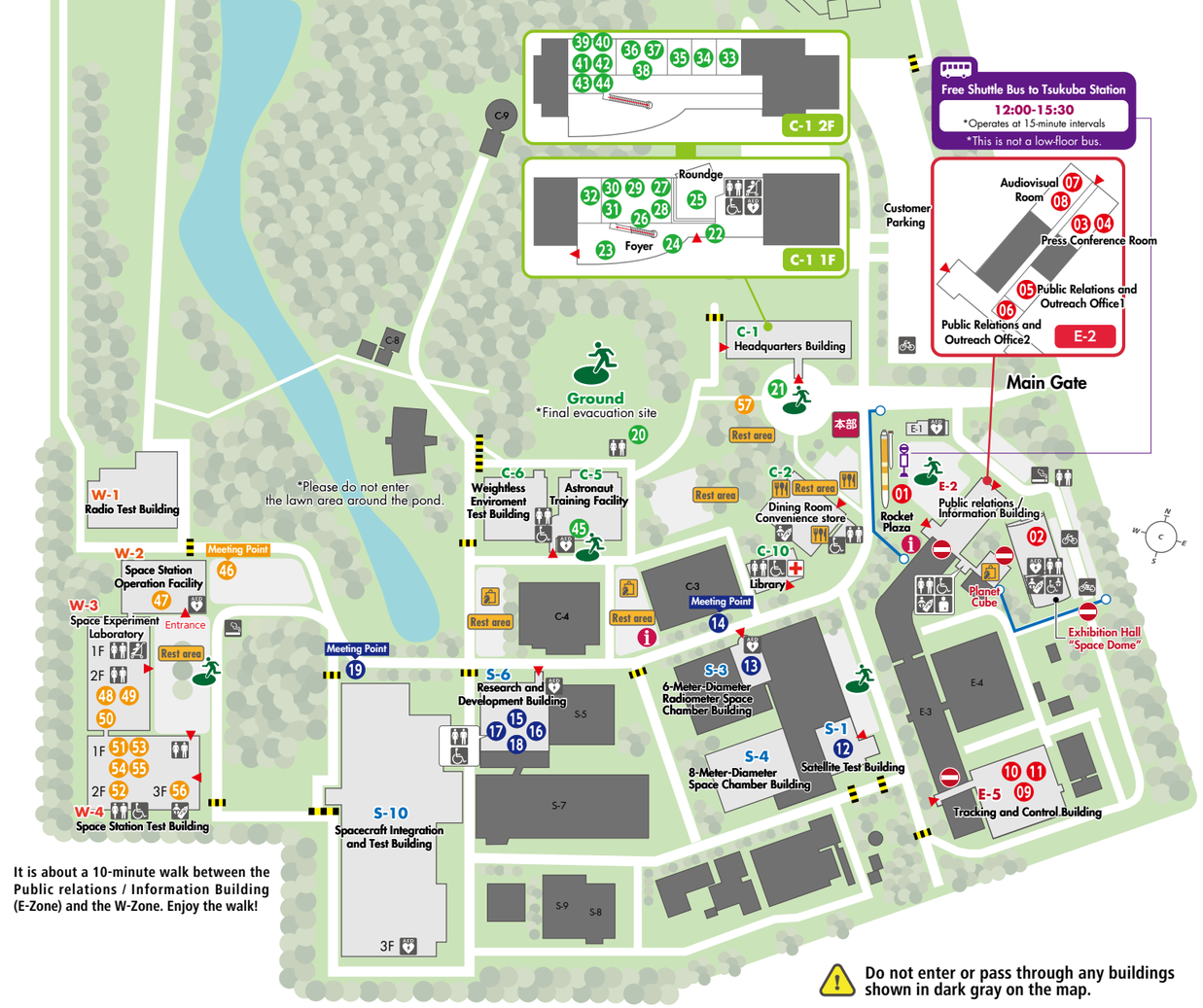

本部 Information center
Fence
Restroom
Free shuttle bus to Tsukuba Station
Food & drinks
No entry
Accessible restroom
Bicycle parking
Shop
No passage
Nursing & diaper-changing room
Motorcycle parking
First aid station
Temporary evacuation area
Ostomate-friendly restroom
AED
Smoking area
Stroller parking

Event Icon

Kid-friendly / Hands-on activity / Craft activity / Exhibition
Lectures and talks / Video / Canceled in case of strong winds or heavy rain

Numbered Ticket Distribution Schedule & Locations *While supplies last.

04 Let's Ask JAXA Staff: How They Chose Their Paths and What They Do
[Distribution Time] 12:00-
*Numbered tickets will be distributed only for the afternoon lecture.
[Distribution Location] In front of Press Conference Room

34 Learn How Earth Observation Satellites Are Operated With the Satellite Life Board Game!
[Distribution Time]10:00-, 13:00-
[Distribution Location]34 event venue

40 Try Using a Microscope
[Distribution Time]10:00-, 12:00-
[Distribution Location]
Entrance to the traffic circle in front of the Headquarters Building

45 Let's All Cheer On JAXA Astronaut SUWA Makoto and Support His Mission! "Tsunagu" Panel Discussion: Space Exploration and the Crewed Pressurized Rover
[Distribution Time] 10:00-
[Distribution Location] In front of the Astronaut Training Facility

50 Let's Dream Up the Next Space Experiments Together!
[Distribution Time] 10:00-
[Distribution Location]
Next to the entrance to the Space Experiment Laboratory
*If advance registration fills all available spots, no numbered tickets will be distributed on the day of the event.

Detailed map of the ticket pickup locations ▶

As a general rule, numbered tickets are distributed only to people waiting in line. Please wait until everyone in your group is present before lining up. Please do not join your group once it is in line unless you are returning from a restroom break or a similar brief absence.



Area E - Rocket Plaza, Space Dome, E-2, E-5

01 H-II Launch Vehicle Tour (Rocket Plaza)
Dr. Rocket will explain the H-II Launch Vehicle while guiding participants around it.
[Reception hours] Morning: 10:00 a.m.–12:00 p.m. / Afternoon: 1:00–3:30 p.m.
*Departs at :00, :20, and :40 past each hour.

02 Sign Language Tour (Space Dome) *Reservation required
We will guide you through the Space Dome in sign language, using some of the signs for space-related terms developed in fiscal year 2025. (This event is open only to people who use sign language and their companions.)

03 Let's Talk About Space in Sign Language (E-2 Press Conference Room)
We'll answer any questions you have about space in sign language or by exchanging notes. We'll also briefly introduce the signs for space-related terms developed in fiscal year 2025.
[Session time] 2:10–3:30 p.m.

04 Let's Ask JAXA Staff: How They Chose Their Paths and What They Do (E-2 Press Conference Room) *numbered tickets
Women working in a range of fields at JAXA will talk about how they chose their career paths and what they have done throughout their careers. Each session is open to the first 50 attendees.
[Session times] (1) 10:15–11:00 a.m. / (2) 12:45–1:30 p.m.
(Numbered tickets for session (2) will be handed out starting at 12:00 p.m.)

05 Science × Design: Let's Make Clothes Inspired by Antarctica (E-2 Public Relations and Outreach Office1) *Reservation required
We will showcase jeans woven with an image of Antarctica captured by JAXA's Global Change Observation Mission-Climate (GCOM-C) satellite nicknamed SHIKISAI. We will also tell the story of the collaboration with ISSEY MIYAKE that brought them to life. In addition, you can make miniature clothes in a workshop using a special fabric developed by ISSEY MIYAKE.


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06 Mini Talk With a Project Manager —Michibiki and Satellite Positioning: Where We Are Now and What's Next— (E-2 Public Relations and Outreach Office2) *Reservation required
Michibiki, Japan's Quasi-Zenith Satellite System (QZSS), is an essential part of our everyday infrastructure.
A project manager will explain in plain language how Michibiki and satellite positioning work today and what's next for them.

07 My Earth Mini Talk: Discover Earth From Space! (E-2 Audiovisual Room) *Reservation required
Join us for a fun, family-friendly talk about the many ways to explore Earth from space with the help of Earth observation satellites!
[Start times] 10:00 a.m. / 10:30 a.m. / 11:00 a.m. / 11:30 a.m. / 12:00 p.m. / 12:30 p.m. (about 15 minutes per session)
Advance registration and walk-in spots are available.

08 Become a Doctor for Earth: An Earth Observation Satellite Quiz (E-2 Audiovisual Room) *Reservation required
A sign language guide will introduce the exhibits in the newly renovated Space Dome.
①10:05–11:00 a.m. ②11:05 a.m.–12:00 p.m. ③1:05–2:00 p.m.

09 Dr. Antenna's Science Lab (E-5)
Dr. Antenna will give a fun and simple demonstration of how antennas work. Let's experience the wonders of parabolic antennas with Dr. Antenna! (Duration: 3 minutes)

10 Once a Year, on This Special Day Only! —Central Tracking Control Room Tour (E-5)
The Central Tracking Control Room is open to the public only once a year. Don't miss this chance to visit the facility closest to space, where satellites are monitored 24 hours a day, 365 days a year!
*Reception closes at 3:00 p.m. (Tour duration: approx. 10 minutes)
*Photography is prohibited in some areas.

11 Commemorative Gift Pickup Point for People Selected to Attend the Misasa Deep Space Station Open House (E-5) *Reservation required
Through contracts, JAXA teams up with companies across Japan to drive its space projects. What power do contracts have? How are they concluded? Let's learn about them through a fun quiz!

Area S - S-1, S-3, S-4, S-6, S-10

12 See Space Debris at Full Scale: Debris Removal and the Future of the Space Environment (S-1)
Look up at a full-scale tapestry depicting the space debris that the Commercial Removal of Debris Demonstration (CRD2) project aims to capture. Imagine the future of on-orbit services starting with space debris removal.
[Reception hours] 10:15 a.m.–2:30 p.m.

13 The Challenge of Reusing Rockets: Reusable Vehicle eXperiment (RV-X) (S-3)
Imagine a future where rockets can be used repeatedly. We'll present the challenges and results of the RV-X project through a talk by the test lead and footage from the flight tests. Display panels will highlight new research and development aimed at making that future possible.
[Session times]11:00–11:30 a.m. / 12:00–12:30 p.m. / 1:45–2:15 p.m. / 2:45–3:15 p.m.

14 You May Be the Last Test Subject?! Inside the 8-Meter-Diameter Space Chamber (S-6) *Reservation required
A large-scale test facility that simulates the harsh conditions of space will be open to the public. Step inside this normally off-limits chamber and see what it's like to be a spacecraft undergoing testing!



15 Experience Space Optical Communications! (S-6)
Try transmitting data with laser light! See for yourself how optical communications work in space and what makes them so fascinating. The latest satellite communications equipment will also be on display.



Points to Note During Your Visit

*Please refrain from using a smartphone, mobile phone, or tablet while walking, as doing so can cause accidents.

*Please follow all staff instructions during the event. The Tsukuba Space Center is not responsible for accidents on its premises.

*Please stay within the event areas. Smoking, eating, and drinking are permitted only in designated areas.

*If you notice a suspicious person or object, please notify a nearby JAXA staff member.

*The Tsukuba Space Center works to protect the environment. Please take your trash home with you.

⑰A Close Look at the Tiny Electronic Components Behind Big Satellites (S-6)

Large systems, such as launch vehicles and satellites, rely on tiny electronic components. Take a close look at real components and explore their miniature world.

⑱Hands-On Challenge: Aligning Large Mirrors With Precision —How the Optical Synthetic-aperture Collaborative Advanced Research in Japan (OSCAR-J) Project Is Tackling the Challenge of Building a Giant Space Telescope— (S-6)

Can you align the mirrors with nanometer precision? Play a game to try out the precision alignment techniques that space telescopes rely on.

⑲Today Only: An Up-Close Tour of a Large-Scale Satellite Test Facility —Step Inside a Cleanroom That's Normally Off-Limits— (S-10) *Reservation required

Go behind the scenes to see where satellites are tested before they head into space. We will give you an up-close look at Japan's largest satellite test facility, which is normally closed to the public.



Area C - Ground, C-1, C-5, C-6

⑳Hands-on Water Rocket Launch Experience (Ground)

Launch your water rocket into the sky! (This activity does not include building a water rocket.)
[Reception hours]
Morning: 10:00 a.m.–12:00 p.m. (reception closes at 11:30 a.m.)
Afternoon: 1:30–3:30 p.m. (reception closes at 3:00 p.m.)
*Reception may close earlier depending on the number of participants.

㉑Earth Cloud Aerosol and Radiation Explorer (EarthCARE) Koinobori (Carp Streamer) (In front of C-1)



EarthCARE, also known as Hakuryu (White Dragon), soars through the sky!
Watch as the satellite transforms into a koinobori!

㉒Life-Size EarthCARE Tapestry (C-1 1F)

The life-size Hakuryu soars overhead!
Come and see this spectacular tapestry up close!

㉓No Satellite, No Life(C-1 1F) *Reservation required

Satelife is back at the Open Day this year—build your own satellite and snap the perfect selfie!

㉔Satellites at Work Every Day (C-1 1F)

Get more out of the event by learning the basics of satellites! You'll also learn about JAXA's priority themes for using Earth observation satellites to tackle societal challenges. Check out the posters to learn more about each theme.

㉕Discover the KIKU Series, Spanning More Than Half a Century! —The Past and Future of Engineering Test Satellites— (C-1 1F)

Explore the technology behind the KIKU series' latest satellite, Engineering Test Satellite 9 (ETS-9), nicknamed KIKU-9, and earlier satellites in the series through models and videos!
Enjoy the world of ever-evolving satellites.

㉖What's Next for Satellite Positioning?(C-1 1F)

Let's learn more about JAXA's work on satellite positioning through posters, displays, and a short quiz! Get every question right and take home an Advanced Satellite Navigation System (ASNAV) giveaway!

㉗Observe the Earth with ALOS-2 and ALOS-4 (DAICHI-2 and DAICHI-4) (C-1 1F)

Advanced Land Observing Satellite-2 (ALOS-2), also known as DAICHI-2, and Advanced Land Observing Satellite-4 (ALOS-4), also known as DAICHI-4, monitor areas affected by typhoons and earthquakes from space. Learn about the observation technology that supports disaster response and how these satellites help in practice!

㉘Where Is This Place? Guess the Location from DAICHI-4's Images! (C-1 1F)

See Earth from a new perspective through synthetic aperture radar (SAR) imagery. Look for distinctive features in the images from DAICHI-2 and DAICHI-4 and use them as clues to guess which location each image shows!



㉙Rain-credible! See Rain From Space With PMM (C-1 1F)

Try the Precipitation Measuring Mission (PMM) quiz (with giveaways) and see what rain looks like from space. Vote for your favorite mission logo! Your pick might win!

㉚Could You Be a JAXA Researcher? (C-1 1F)

Step into the role of a JAXA researcher! Analyze the latest data, released just this year, from the Global Observing SATellite for Greenhouse gases and Water cycle (GOSAT-GW), nicknamed IBUKI GW, and solve puzzles about the Greenhouse Gases Observing Satellite (GOSAT) series, also known as the IBUKI satellite series, and the Advanced Microwave Scanning Radiometer (AMSR) instrument series.

㉛Let's Take a Photo With the IBUKI Series! (C-1 1F)

Celebrate with a photo alongside the Greenhouse Gases Observing Satellite (GOSAT), nicknamed IBUKI, which is about to turn 18, and the Global Observing SATellite for Greenhouse gases and Water cycle (GOSAT-GW), nicknamed IBUKI GW, which recently marked its first year in space!

㉜Launch or Delay? A Rocket Go/No-Go Decision Meeting(C-1 1F) *Reservation required

Join the launch team and decide before time runs out whether to proceed with the launch or postpone it.

㉝Mission: What Is the Light Detection and Ranging (LiDAR) Altimeter? (C-1 2F)

The LiDAR altimeter measures Earth's surface elevation from space using laser light.
Operate a mini LiDAR device and learn how it works.
Try the quiz, too! Read the posters, answer the questions, and aim for a perfect score!

㉞Learn How Earth Observation Satellites Are Operated With the Satellite Life Board Game! (C-1 2F) *numbered tickets

Play Satellite Life, a board game created by JAXA staff who know satellite operations well, and find out what Earth observation missions are all about!
[Start times] (1) 10:15 a.m. (2) 11:00 a.m. (3) 11:45 a.m. (4) 1:15 p.m. (5) 2:00 p.m. (6) 2:45 p.m.

㉟Hear the Earth (C-1 2F)

Data captured by JAXA's Earth observation satellites are visualized and sonified through images and music.
Feel the Earth's pulse with all five senses!

㊱Toward a Demonstration of a New Air-Breathing Ion Engine (C-1 2F)

Come see how a new type of ion engine collects traces of atmospheric gas in space and uses them to generate thrust.
We'll have giveaways, too!

㊲Discover the Appeal of EarthCARE! (C-1 2F)

Enjoy a poster exhibition packed with the charm of the Earth Cloud Aerosol and Radiation Explorer (EarthCARE) satellite! We'll have some great giveaways, too!

㊳Experience 3D EarthCARE Data! (C-1 2F)

Watch observational data from the Earth Cloud Aerosol and Radiation Explorer (EarthCARE) satellite come to life in 3D! See what clouds look like from space.

㊴See What Happens in a Vacuum! (C-1 2F)

Space is a vacuum—create one yourself and experience the difference between the atmosphere and a vacuum! You might even get to see a live demonstration by JAXA staff!

㊵Try Using a Microscope (C-1 2F) *numbered tickets

How are parts that return from space examined?
Let's use the same method to look at your own hair under a microscope!
(1) 10:30–11:00 a.m. (2) 11:30 a.m.–12:00 p.m. (3) 12:30–1:00 p.m. (4) 1:30–2:00 p.m. (5) 2:30–3:00 p.m.
*15 numbered tickets per session. On the day of the event, tickets will be available starting at 10:00 a.m. for sessions (1)–(3) and at 12:00 p.m. for sessions (4) and (5).

㊶Exhibition of Space Components (C-1 2F)

We will introduce JAXA-certified electrical, electronic, and electromechanical components used in rockets and satellites.

㊷Space Debris—A Threat in Space (C-1 2F)

What would happen if small pieces of space debris hit a satellite?
See for yourself the footage and impact holes from ground-based debris collision tests.
An introductory talk on space debris will also be held!



Illustration of space debris as seen from low Earth orbit ▶

㊸CubeSat Exhibit (C-1 2F)

Meet the CubeSat, a palm-sized satellite. A model and a video show how it heads into space.

㊹Protecting Celestial Bodies and Earth: What Is Planetary Protection? (C-1 2F)

What is planetary protection, and why does it matter?
Take a peek and see for yourself! Discover the secrets of invisible spacecraft contamination!

㊺Let's All Cheer On JAXA Astronaut SUWA Makoto and Support His Mission!(C-5/C-6) *Reservation required *numbered tickets

Get a firsthand look at the work that supports astronauts in this hands-on area.
Take on the mission challenge and cheer on JAXA Astronaut Suwa!
• "Tsunagu" Mission: Take On the Challenge
Let's cheer on JAXA Astronaut Suwa (come and go as you like).
• "Tsunagu" Lounge: Chat With an Expert on Long-Duration Spaceflight
Ask whatever you're curious about! (Advance registration required.)
(1) 11:00–11:30 a.m. (2) 11:40 a.m.–12:10 p.m. (3) 1:00–1:30 p.m. (4) 1:40–2:10 p.m.
• "Tsunagu" Panel Discussion: Space Exploration and the Crewed Pressurized Rover (numbered tickets required)
Session time: 2:30–3:00 p.m.

Area W - W-1, W-2, W-3, W-4

㊻A Rare Look Inside the Radio Wave Test Facility😎 —Unraveling the Mystery of the Giant Spikes— (W-1) *Reservation required

JAXA tests satellite antennas in the Radio Wave Test Facility. Inside, you'll find a mysterious room lined with giant spikes! Let's take a look behind the scenes at this facility, which visitors don't usually get to see!



㊼Flight Control Room Tour(W-2)

This Open Day exclusive is back! On this tour, you can visit the Human Spaceflight Technology Directorate's flight control rooms for the Japanese Experiment Module (JEM), known as Kibo, aboard the International Space Station (ISS), and for the new unmanned cargo transfer spacecraft (HTV-X). You can also see exhibits in the Lunar Polar Exploration (LUPEX) control room, which is still being set up. Snap a photo at the booth where you can try being a flight controller!
*Last entry: 3:00 p.m.
*Photography is prohibited in some areas.
*The tour may be unavailable depending on operational conditions at the time.

㊽Talk by JAXA Astronaut YUI Kimiya(W-3) *Reservation required

Join us for a special talk by JAXA Astronaut Yui, who returned to Earth this year! He will share stories about life aboard the International Space Station (ISS) and describe the stunning views he saw from space.

㊾Take a Peek Into the World of Space Experiments!(W-3)

Join the experiment staff for a fun look at the space experiments conducted aboard Kibo, the Japanese Experiment Module (JEM) on the International Space Station (ISS). There'll also be photo spots, short talks, and quizzes!

㊿Let's Dream Up the Next Space Experiments Together! (W-3) *Reservation required / numbered tickets

What changes when you go to space?
Join astronauts and space presenters to explore the wonders of space and come up with ideas for experiments!

51Let's Drive on the Moon! —Uncover the Secrets of the Crewed Pressurized Rover(W-4) *Reservation required

Meet the world's first crewed pressurized lunar rover! Get an up-close look at the rover through scale models and display panels, and take it for a spin in a driving simulator*! Race across the lunar surface!
*Reservation required for the full simulator. No reservation is needed for the basic simulator.



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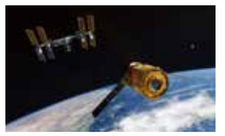
52Explore the Moon With LUPEX! —Searching for Water in a Lunar Desert? See for Yourself in a 3D Video! (W-4)

What is the Moon like? There's more to it than what you can see just by looking up. Discover a new side of the Moon with Lunar Polar Exploration (LUPEX) in stunning 3D images.

53Learn About HTV-X and JAXA Docking Demonstration on HTV-X (JDOCX)! (W-4)

Exhibits feature the new unmanned cargo transfer spacecraft (HTV-X) and JDOCX, an automated docking demonstration. Engineers will be on site to share the latest updates from the forefront of development. This year, you can also see a ground-test model of the docking mechanism.



54Game: HTV-X GO! (W-4)

Try the fan-favorite spacecraft operation game, HTV-X GO!
Can you pilot the new unmanned cargo transfer spacecraft (HTV-X) to the International Space Station (ISS) and deliver its cargo safely?

55Choose a Name to Carry Us Into the Future: Vote for HTV-X's Nickname! (W-4)

Your vote will help choose a nickname for the new unmanned cargo transfer spacecraft (HTV-X), the successor to the H-II Transfer Vehicle (HTV), nicknamed KOUNOTORI.
Cast your vote and send your hopes into space!

56Discover the Exciting World of Space Exploration! (W-4)

What does the JAXA Space Exploration Center (JSEC) do?
Come learn about Japan's space exploration efforts and what the center is working on.
Give the puzzle challenge a try, too!
*Everyone is welcome to visit the booth, whether or not they take part in Event No. 57.

57[Space × Puzzles] A Diary for My Future Self Heading for the Moon Fromthe International Space Station (ISS) (C-5/W-2/W-3/W-4)

Solve puzzles and learn about everything from today's human spaceflight programs to future exploration missions along the way. Can you uncover the true ending of this diary?!
The final session is scheduled to begin at 2:50 p.m.
Reception: outside C-1
*In case of severe weather, please go to the C-5 entrance for reception.