

Open House Day 2013

19 October, 11:00 – 18:00



Dear visitor,

We would like to thank you for choosing to visit ESO, the European Southern Observatory, and to wish you a warm welcome to our Headquarters! Below you will find our programme of activities, as well as a map to guide you around the building.

If you need help on your way, look for our members of staff, who are wearing badges. As ESO is an international organisation, we have staff speaking various languages.

Programme

1

Welcome to ESO. Get free material about ESO, an event programme, and a map of the building from here, as well as help with directions. Children can pick up their passports and get a chance to win gifts if they accumulate all of the stamps from our five stamp stations. On departure, gifts can be picked at area 10.

2

Infrared photography. Have your infrared picture taken!

3

VLT Exhibition. Find out more about ESO's Very Large Telescope and see a model of the telescope.

4

Spectrograph and a photo collection of the night sky. See the light dispersed in its components and admire vistas of the night sky. **Stamp station.**

5

ESO and ALMA exhibitions, Virtual tours, Instrument demonstrations, Ask an Astronomer. Embark on all-inclusive journeys into and around some of ESO's most breathtaking sites and groundbreaking instruments. See the instruments in action and learn more about ESO's telescopes and science. If you have questions, look for one of our staff members wearing an "Ask an Astronomer – Fragen Sie einen Astronomen" badge and they will be happy to reply! **Stamp station.**

6

Live connection to Paranal and ALMA in Chile, talks, podcasts, and a screening of the documentary "Europe to the Stars – ESO's first 50 years of exploring the southern sky".

- 11:00 – 11:20 ESOcast: Faraway Eris is Pluto's twin (English with German subtitles)
- 11:20 – 11:40 Talk for primary school children: Unsere Planeten (in German)
- 11:40 – 12:40 Documentary: Europe to the Stars – ESO's first 50 years of Exploring the Southern Sky (English with German subtitles)
- 12:40 – 13:00 Talk for children: Eine kurze Reise durch die ESO (in German)
- 13:00 – 13:20 Talk: Die Suche nach Außerirdischem Leben: Was wir von der Erde lernen können (in German)
- 13:20 – 13:40 ESOcast: All Systems Go for Highest Altitude Super-computer (English with German subtitles)
- 13:40 – 14:00 Talk: Sternchemie: vom Wasserstoffatom zum Goldklumpen (in German)
- 14:00 – 14:20 Live connection to Paranal
- 14:20 – 14:40 Talk: Monsters in the Dark: A Beginner's Guide to Black Holes (in English)
- 14:40 – 15:00 ESOcast: A Black Hole's Dinner is Fast Approaching (English with German subtitles)
- 15:00 – 15:20 Talk: Spektroskopie: Die Kunst aus dem Licht der Sterne zu lesen (in German)
- 15:20 – 15:40 ESOcast: ESO's VLT Celebrates 15 Years of Success (English with German subtitles)
- 15:40 – 16:00 Talk: The Enigmatic Magnetic Field of the Sun (in English)
- 16:00 – 16:20 Documentary: ALMA – In Search of our Cosmic Origins (in English)
- 16:20 – 16:40 Live connection to ALMA
- 16:40 – 17:00 Talk: Die Sterne kommen näher: Das europäische Riesenteleskop der Zukunft (in German)
- 17:00 – 17:20 ESOcast: A Polarised View of Exoplanets (English with German subtitles)
- 17:20 – 17:40 Talk: Searching for our Cosmic Origins: the ALMA Telescope (in English)
- 17:40 – 18:00 ESOcast: ALMA Discovers Comet Factory (English with German subtitles)



Programme

7

Planetarium. Even though it is daytime, you will still get a chance to see the stars thanks to our planetarium activity.
Stamp station.

8

ESO Chile Chill Videos. Take a moment to relax by watching incredible images from our sites in Chile and listening to a chill out session.

9

The Optics Laboratory. ESO builds some of the largest mirror telescopes in the world. In this area, you will have a chance to see how these telescopes work and adapt to thermal distortion. You will also learn how ESO sends laser beams into the sky to simulate stars! **Stamp station.**

10

Face painting. Children will have lots of fun having their faces painted with diverse astronomical themes, such as stars, galaxies or comets. If you have visited all our stamp stations, you can pick up your gift here. **Stamp station.**

11

Cafeteria. Free drinks are available for our visitors. For a small donation to our Charity Group, you can also enjoy an international buffet with traditional food from around the world, all home-made by our staff.

12

ESOshop. If you are looking for souvenirs or gifts, this is the place to be. Our products range from books to postcards and stickers.

13

Observing with a telescope. If we have clear skies, AGAPE astronomers will show you the Sun through their telescopes!

14

Viewing ESO's newest building from outside! This year, ESO expanded its Headquarters with an innovatively styled building, which will be the cradle of the technological innovations needed for projects such as the European Extremely Large Telescope.

If you plan to take photos during the event, we invite you to share them with us on our Flickr group! <http://www.flickr.com/groups/youresopictures/>

We would also like to invite you to share your impressions about the ESO Open House Day over Twitter @ESO or on our Facebook page: <https://www.facebook.com/ESO Astronomy>

Thank you for joining us today!