



President's Circle Travel Program with Professor Anneila Sargent

Total Solar Eclipse: Chile and the Skies of the Southern Hemisphere

June 28 – July 9, 2019



Photo credit: © ESO/ C. Malin

Join the Caltech Associates and faculty trip leader, Anneila Sargent, Caltech's Ira S. Bowen Professor of Astronomy, Emeritus, on an exclusive journey to the Chilean highlands to witness a spectacular total solar eclipse on July 2, 2019, at a unique location in the north of Chile, home to world-class astronomical observatories.

Go behind the scenes to enjoy special access to state-of-the-art observatories including the Atacama Large Millimeter/submillimeter Array (ALMA), the largest astronomical project in existence; Paranal, home to the Very Large Telescope; the Gemini South Telescope, an 8.1-meter Telescope; and Las Campanas, home to two 6.5-meter telescopes and the future site of the Giant Magellan Telescope.

This unique journey also highlights the region's natural beauty beginning with a tour of Santiago and a day in the lovely Casablanca Valley, where we will savor wines from some of Chile's renowned coastal wineries. Explore La Serena with a visit to the Elqui Valley, a pisco distillery, and stargazing with local astronomers at a public observatory. We will conclude the adventure in the Atacama Desert and discover some of the most extraordinary landscapes of our planet—volcanoes, evaporated salt lakes, lagoons, hot springs, and a host of animal life.

ITINERARY

Friday, June 28 – Saturday, June 29

U.S. / Santiago

Depart on an overnight flight to Santiago. Enjoy a city tour including a visit to the Pre-Columbian museum. Welcome dinner and orientation.

Ritz Carlton Santiago (D)

Sunday, June 30

Santiago / Casablanca Valley / La Serena

Depart this morning for the Casablanca Valley, Chile's fastest growing wine region. Private tour of the Kingston Family Vineyards. In the late afternoon fly to La Serena.

Hotel Club La Serena (B, L, D)

Monday, July 1

La Serena / Las Campanas Observatory

Today we travel north of La Serena by road to Las Campanas Observatory in the Chilean Andes for a day long tour of the Magellan Project site and the two 6.5-meter optical telescopes that are housed there. Return to the hotel..

Hotel Club La Serena (B, Picnic L, D)

Tuesday, July 2

La Serena / Eclipse Day

Transfer to the Eclipse viewing site in Vicuña where we will have lunch. The maximum eclipse (mid-totality) commences approximately at 4:39 p.m. Transfer back to the hotel for a debriefing of the observations and dinner.

Hotel Club La Serena (B, L, D)

B=breakfast, L=lunch, D=dinner

Wednesday, July 3

Gemini and SOAR Observatories & Evening Stargazing

This morning visit the Gemini South Telescope (pending final confirmation), an 8.1-meter telescope located at an elevation of 8,900 feet, in a region with some of the clearest skies in the world and surrounded by the snow-capped Andes. Afterward, visit the adjacent Southern Observatory for Astrophysical Research Telescope, a high-performance, modern, 4.1-meter aperture astronomical telescope. Evening with local astronomers and visit to a local public observatory to stargaze.

Hotel Club La Serena (B, Picnic L, D)

Thursday, July 4

La Serena / Antofagasta

Today we fly as a group to Antofagasta, a port city in the north of Chile with abundant sunshine and a rich maritime history. Tour the city and view the La Portada Natural Monument, a spectacular natural arch located along the coast, then transfer to hotel.

NH Antofagasta (B, D)

Friday, July 5

Antofagasta / San Pedro De Atacama / Paranal Observatory

Depart by motor coach to the Paranal Observatory (pending final confirmation), home of the 'Very Large Telescope' often described as the world's largest.

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STUDY LEADER, ANNEILA SARGENT

Anneila Sargent is the Ira S. Bowen Professor of Astronomy, Emeritus, at Caltech. A native of Scotland, she earned her BSc in Physics at the University of Edinburgh and her PhD from Caltech in 1977. Between 2007 and 2015, she served as Caltech's Vice President for Student Affairs. Her research has largely concentrated on understanding how stars and other planetary systems form and evolve. To this end, she has been deeply involved in a number of millimeter-wave telescope construction projects. Between 1996 and 2007 she was Director of Caltech's Owens Valley Radio Observatory and then founding Director of the Combined Array for Millimeter-wave Astronomy (CARMA), the U.S. precursor to the Atacama Large Millimeter-submillimeter Array (ALMA). Sargent has been President of the American Astronomical Society and is a Fellow of the American Academy of Arts and Sciences and of the Royal Society of Edinburgh. In addition to service on numerous national and international advisory boards, she has chaired the international board of ALMA twice. She was named Jan H. Oort Professor at the University of Leiden for 2005, awarded an Honorary DSc degree by the University of Edinburgh in 2008, and since 2010 has been a member of the U.S. National Science Board, a presidential appointment.



TOUR PRICE INCLUDES:

- In-tour flights:
Santiago / La Serena
La Serena / Antofagasta
Calama / Santiago.
- Tour Director throughout.
- Deluxe first-class accommodations.
- Special access to state-of-the-art observatories.
- Meals as noted in itinerary.
- Welcome and farewell receptions.
- Lectures and presentations.
- Eclipse viewing site.
- Eclipse glasses.
- Professional English speaking guides.
- Tips to local guides, service charges and taxes.
- Baggage handling.



COSTS

Double Occupancy
per person

(Approximately)

\$11,995 STD - \$12,295 SUITE (In La Serena)

Single
Supplement

(Approximately)

\$2,500 (limited availability)

Air Arrangements

U.S. domestic and international airfare is not included in the land costs. On-tour air within Chile is included, subject to increases. Information about making flight arrangements will be sent to all participants.

ITINERARY (CONTINUED)

Friday, July 5 (Continued)

Antofagasta / San Pedro De Atacama / Paranal Observatory

Transfer by motorcoach to San Pedro de Atacama for a three-night stay. Evening stargazing under the guidance of the professional astronomer- Alain Maury.

Tierra Atacama Hotel (B, L, D)

Saturday, July 6

San Pedro de Atacama

Trip to the Miscanti and Miñiques Lagoons. Here we'll see lagoons of beautiful colors and many volcanoes. Afterward, relax in the warm mineral waters of the Termas de Puritana hot springs.

Tierra Atacama Hotel (B, L, D)

Sunday, July 7

San Pedro de Atacama / Alma

This morning enjoy exclusive access to the largest astronomical project in existence, the *Atacama Large Millimeter/submillimeter Array*, or ALMA as it is commonly referred to, with private tours led by Caltech alums. While at ALMA (located at 9,514 feet) you will visit the

control room, laboratories, an antenna transporter, and possibly antenna under maintenance. There may be an opportunity (pending additional permits and final confirmation) to visit the antenna installation. This visit will be optional and require participants to travel from the base station laboratories to the Chajnantor Plateau located at 16,000 feet. Participants who wish to make this visit will need to be in excellent health. A medical release form (signed by your physician) will be mandatory. Following a lecture and dinner, we will continue our astronomical observation of the southern skies. In the afternoon, we'll explore the immense Salar de Atacama with its various species of flamingos. Look for vicuñas, viscachas, and other wildlife of the area. Gather for a farewell dinner.

Tierra Atacama Hotel (B, L, D)

Monday, July 8 - Tuesday, July 9 (Arrive U.S.)

San Pedro de Atacama / Santiago / U.S.

This morning is at leisure to enjoy the desert. Afternoon transfer to the Calama airport to Santiago and connecting flights home. Early dinner buffet at the hotel across from airport. Assisted check-in for international flights.

Overnight flight (B, L, D)

PRE-REGISTRATION FORM



CALTECH ASSOCIATES

Please mail or fax your pre-registration form and deposit information to:
Royal Adventures: 9 Crow Canyon Court, Suite 205, San Ramon, CA 94583 or email to
info@royaladventures.com or FAX: (925) 855-1909.

Enclosed is my deposit for \$_____ (\$1,500 per person) for _____ person/s in a STD Room _____ or Suite _____. This secures our space on the following tour: **Total Solar Eclipse: Chile and the Skies of the Southern Hemisphere, June 28 – July 9, 2019.** Please authorize credit card payment or make a check payable to Royal Adventures.

Please charge my deposit to: AMEX VISA MasterCard Discover

Card # _____ Expiration Date _____ Security code _____

I/we understand that I will be contacted once the final PDF brochure for the tour is available online, and will be given the opportunity to cancel within 14 days of notification, without penalty. There will be a 2nd deposit due in the amount of \$2,500 per person on November 1, 2018, payable by check only. Final payment by check only is due February 25, 2019. As part of the consideration and right to participate in this tour, each participant will be asked to sign a liability release.

Passport Name _____

Date of birth _____ Gender _____

Passport Name _____

Date of birth _____ Gender _____

Street Address _____

City _____ State _____ ZIP _____

Phone: Home () _____ Cell () _____

E-mail(s) _____

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