

TOTAL SOLAR ECLIPSE

Chile and
the Skies of
the Southern
Hemisphere

June 25–July 6, 2019

WITH Jean-Luc Margot
Professor and Chair of the Department of Earth,
Planetary, and Space Sciences at UCLA



DEAR UCLA ALUMNI AND FRIENDS

On July 2, 2019, join UCLA alumni and friends to witness a total solar eclipse at a unique location—the north of Chile, home to world-class astronomical observatories. In the company of Jean-Luc Margot, Professor and Chair of the Department of Earth, Planetary, and Space Sciences at UCLA, enjoy special access to state-of-the-art observatories in the desert including: the *The Atacama Large Millimeter/submillimeter Array*, also known as ALMA, the world's most powerful radio telescope; Paranal, home to the Very Large Telescope; and the Gemini South Telescope, an 8.1-meter telescope. Your journey also includes an exploration of the Atacama Desert with some of the most extraordinary landscapes of our planet—volcanoes, evaporated salt lakes, lagoons and hot springs as well as a host of animal life. Top this off with stargazing in the Southern Hemisphere. Visit the Elqui Valley, a pisco distillery, and Isla Damas, part of the Humboldt Penguin National Reserve. Conclude your adventure with lunch and a tasting of select vintages in Chile's Maipo Valley wine-producing region.

Space for this program has already filled quickly, so call today to secure your place on an unique tour to witness a spectacular total solar eclipse as well as the remarkable observatories and natural history of northern Chile.

Regards from Westwood,



Christel Aragon
Director, Alumni Travel

For information, contact us at
310-206-0613 or travel@alumni.ucla.edu



ECLIPSE VIEWERS



UCLA STUDY LEADER

JEAN-LUC MARGOT

Jean-Luc Margot is Professor and Chair of the Department of Earth, Planetary, and Space Sciences at UCLA.

He is a planetary astronomer who conducts research on the properties of habitable worlds using a variety of spacecraft and telescopes, including the largest telescope on Earth at the Arecibo Observatory in Puerto Rico, the Very Large Telescope in Chile's Atacama Desert, and the Kepler space observatory. He leads a teaching and research program focused on the search for extraterrestrial intelligence (SETI) with UCLA undergraduate and graduate students.



VOLCAN OJOS DEL SALADO



OUTRIGGER TELESCOPES PARANAL



SANTIAGO



VICUÑA



ATACAMA NIGHT SKIES

ITINERARY

DAY 1 TUESDAY, JUNE 25

U.S. ✨ Santiago

Depart from your home city for an overnight flight for Santiago, the capital of Chile.

OVERNIGHT FLIGHT

DAY 2 WEDNESDAY, JUNE 26

Santiago

Arrive this morning in Santiago and transfer to your hotel. An afternoon city tour including a tour of the **Pre-Columbian Museum** will introduce us to this city at the foot of the **Andes**. This evening gather for an orientation and welcome dinner.

HOTEL PLAZA EL BOSQUE PARK & SUITES EBRO (D)

DAY 3 THURSDAY, JUNE 27

Santiago ✨ Calama ✨ San Pedro de Atacama

This morning fly north to Calama and transfer to San Pedro de Atacama for a three-night stay. On the way, we will stop at *Cordillera de la Sal*, the Salt Mountains. Shaped over time by the rain, wind, and sun of the Atacama Desert, its final form as we know it today is full of natural sculptures, different types of stratifications, and varied colors due to its mineral diversity. In the afternoon, we visit the Moon Valley with its extraordinary landscape caused by the erosion of the Salt Mountains. This evening,

travel a short distance from town to the San Pedro de Atacama Celestial Explorations (SPACE), a privately-owned complex of telescopes designed to thrill you with views of the southern sky under the expert guidance of astronomer-owner Alain Maury or another staff astronomer.

HOTEL CUMBRES SAN PEDRO DE ATACAMA (B, L, D)

DAY 4 FRIDAY, JUNE 28

San Pedro de Atacama

This morning, indulge in some relaxation and plunge into the steamy waters of the **Puritama Hot Springs**. With waters reaching temperatures of 92°F (33.5°C) and full of natural minerals to soothe your muscles, you'll leave feeling completely refreshed and rejuvenated. Later, we will explore the immense **Salar de Atacama** and **Chaxa Lagoon**, the entry point to the **National Flamingo Reserve**. The reserve is home to a variety of birds, including the Andean flamingo, Chilean flamingo, horned coot, silvery grebe, Andean gull and greenish yellow finch.

HOTEL CUMBRES SAN PEDRO DE ATACAMA (B, PICNIC L, D)

DAY 5 SATURDAY, JUNE 29

San Pedro de Atacama

This morning visit the most expensive ground-based telescope in operation, the **Atacama Large Millimeter/submillimeter Array**, or **ALMA** as it is commonly referred to. While at ALMA (the operations facilities are located at 9,514 feet) we will visit the control

room, laboratories, an antenna transporter and possibly antenna under maintenance. There may be an opportunity 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. Additional information regarding the status of the antenna installation visit and the medical release form will be included in your pre-tour documents. In the afternoon, Visit the high plateau lagoons of **Miscanti** and **Miñiques**. Look for vicuñas, South American camelids, viscachas, similar to chinchillas, and other wildlife of the area.

HOTEL CUMBRES SAN PEDRO DE ATACAMA OR SIMILAR (B, L, D)

DAY 6 SUNDAY, JUNE 30

San Pedro de Atacama ✨ Antofagasta

Transfer by motor coach to Antofagasta. Afternoon is at leisure.

HOTEL NH ANTOFAGASTA (B, L)

DAY 7 MONDAY, JULY 1

Antofagasta ✨ Paranal Observatory ✨ La Serena

Depart by motor coach to the **Paranal Observatory** (pending final confirmation), home of the 'Very Large Telescope' often



MISCANTI LAGOON



SUN'S CORONA



SANTA RITA WINERY



SATELLITE DISHES, ALMA AND MILKY WAY CENTER
ESO/B. TAFRESHI

described as the world's largest optical telescope. Located atop **Cerro Paranal** in the **Atacama Desert**, it has 4 telescopes of 8.2 meters in diameter. The **Paranal Mountain** was chosen because of its excellent atmospheric conditions and remote location. After touring the facilities, we'll transfer to the airport for late afternoon flight to La Serena.

DIEGO DE ALMAGRO (B, D)

DAY 8 TUESDAY, JULY 2 La Serena ✧ Eclipse Viewing Site in Vicuña

We'll transfer outside La Serena by motor coach to the eclipse viewing site in **Vicuña** which is directly along the path of totality. The area is dominated by a mountainous backdrop and extensive plains on the valley floor, where high-quality grapes for pisco are grown along with other fruits and vegetables. Late in the day gather for your eclipse viewing party. Afterwards, return to the hotel.

DIEGO DE ALMAGRO (B, PICNIC L, D)

DAY 9 WEDNESDAY, JULY 3 La Serena ✧ Gemini South Observatory

This morning visit the Gemini South Telescope (pending final confirmation), a 8.1 meter located at an elevation of 8,900 feet above sea level in a region with some of the clearest skies in the world and surrounded by the snow-capped Andes. The observatory uses

what is known as the Gemini Planet Imager (GPI) a powerful tool to study planet-forming disks around young stars. One of GPI's major scientific components, the Integral Field Spectrometer, which takes the pictures and records the spectra of young planets was built at UCLA's Infrared Laboratory for Astrophysics. Thereafter, visit the adjacent Southern Observatory for Astrophysical Research Telescope (SOAR), a high-performance modern 4.1 meter aperture astronomical telescope. On the return to La Serena, tour the fertile Elqui Valley and stop at a Pisco distillery.

DIEGO DE ALMAGRO (B, L, D)

DAY 10 THURSDAY, JULY 4 La Serena ✧ Isla Damas ✧ Santiago

Excursion to Isla Damas, part of the Humboldt National Park, for an opportunity to observe the Humboldt Penguins, other birdlife, and sea lions. Keep an eye out for bottle-nosed dolphins, as they have been known to swim along with the boats. Lunch at a local restaurant. Take a late afternoon or early evening flight back to Santiago.

PLAZA EL BOSQUE EBRO HOTEL (B, L)

DAY 11 FRIDAY, JULY 5 Santiago

Today we explore the beautiful valleys and wineries of Chile's central region where renowned Chilean wines are produced. Later we'll gather in the gardens of the

historical Viña Santa Rita for a farewell lunch and wine tasting. We return to our hotel and the remainder of our afternoon is at leisure before driving to the airport for our overnight flights home.

OVERNIGHT FLIGHT (B, L)

DAY 12 SATURDAY, JULY 6 Arrive U.S.

Arrive U.S. and connect with flights home.



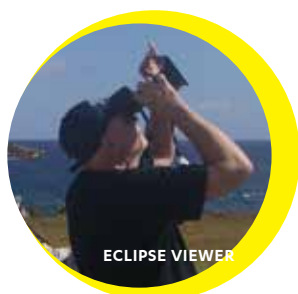
PROGRAM NOTE: Chile will be a prime location to experience the Total Solar Eclipse. We will provide an optimal viewing location to experience this phenomenon. Please keep in mind that viewing the eclipse will be weather dependent. Since we have no control over the weather, there is always a chance that we will not be able to view the eclipse or view it only for a short period of time. Also, we will be visiting working observatories located in remote regions of Chile, so our schedule will rely on precise timings. Keep in mind that unexpected schedule changes could affect the program. Your Travel Director will keep you fully informed of any changes to planned activities. A sense of humor, flexibility, and patience will be greatly appreciated during this program and especially on eclipse day!



MOON VALLEY, ATACAMA DESERT

WHAT TO EXPECT

This exclusive expedition is designed for UCLA Alumni and friends who are interested in learning about the astronomy and experiencing a total solar eclipse as well as the wildlife, geology, and superb natural landscapes of northern Chile. Walks will be from one to two miles and at times over rocky, dusty, and uneven terrain and at high elevations. The pace of the walks will be leisurely. Some of the excursions in the Atacama Desert can reach (for a short time) altitudes of 14,000 feet. Visits to observatories will be at very high elevations and an optional visit (pending final confirmation) to the antenna installation at Atacama Large Millimeter/submillimeter Array will be at 16,000 feet. All the hotels are located at what are considered comfortable elevations. Roadways can be narrow with steep ascents/descents and at times rocky, unpaved, and dusty. Drives can be up to four hours depending on the excursion. Clothing that can be layered, as well as sunblock, sun hat, sunglasses, and comfortable walking shoes with a sturdy tread will be essential on this trip. Eclipse viewing glasses will be provided for the Eclipse Day. To enjoy this experience, participants must be in good physical and mental health, and be able to keep up with the pace of the group. Program participants requiring extraordinary assistance must be accompanied by someone who can and will provide all required assistance. We describe this trip as relatively active. Travel is by jet aircraft, boat and motor coach.



ECLIPSE VIEWER



HUMBOLDT PENGUIN

PROGRAM COST INCLUDES

Study leader's lectures and discussions • Accommodations and meals as specified in the itinerary • Wine with included dinners and farewell lunch • All land transportation • Three in-tour flights from: Santiago to Calama, Antofagasta to La Serena, La Serena to Santiago, provided increases in the in-tour airfare after the initial pricing of this program are not included—see below • Professional guides and tour director throughout • Gratuities to local guides and drivers • Airport transfers for group flights • Domestic airport departure taxes • Entrance fees • Eclipse viewing site • Eclipse viewing glasses • Baggage handling • Pre-departure information.

PROGRAM COST DOES NOT INCLUDE

US domestic and international airfare • Passport Fees • Meals not specified in the itinerary • Personal items such as laundry, e-mail, wi-fi or telephone calls • Liquor • Room service • Excess baggage charges • Private transfers • Medical expenses • Travel insurance • Deviations from the scheduled tour • Any increases in the in-tour airfare (included as part of the main program cost), security, or fuel surcharges imposed after the initial pricing of this program are not included • Tip to the tour director is at the passenger's discretion.

PROGRAM COST

Land Program Cost.....\$8,990
(Per person double occupancy)

Single Supplement.....\$1,600
(Limited availability)

SAMPLE COACH AIRFARE

Los Angeles/Santiago/Los Angeles.....\$1,100
(As of January 2018 and subject to change)

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GENERAL INFORMATION

RESERVATIONS, DEPOSITS & FINAL PAYMENT: To reserve your space on this program, a \$1,000 deposit is required per person. A second deposit of \$2,000 per passenger will be due on or before June 1, 2018. Please fill out and mail, e-mail or fax the registration form. Deposits may be charged to a credit card. Reservations are acknowledged in order of receipt. **Final payment is due February 25, 2019, 120 days prior to departure and must be paid by check.** Royal Adventures handles all invoicing. CST #2009579-40

CANCELLATIONS AND REFUNDS: Cancellations must be received in writing by the UCLA Alumni Association from the participant. Cancellations within 14 days of booking: full refund; cancellations received up to 120 days prior to departure will be assessed a cancellation fee equal to the full amount of deposits paid. Cancellations received within 120 days prior to departure are subject to 100% penalty of all deposits and payments, regardless of booking date. There are no refunds for unused meals, accommodations or other trip features.

CHANGES IN ITINERARY: The itinerary is subject to change at the discretion of the UCLA Alumni Association and the tour operator, Royal Adventures.

RATES: Tour costs are based upon current fares, tariffs, and currency values. While we do everything possible to maintain the listed prices, they are subject to change.

INSURANCE: We highly recommend the purchase of trip cancellation insurance. An application for insurance will be provided by the UCLA Alumni Association upon confirmation. Neither the UCLA Alumni Association nor Royal Adventures accepts liability for any airline cancellation penalty incurred by the purchase of a non-refundable airline ticket or other expenses incurred by tour participants in preparing for the tour.

RESPONSIBILITY: Royal Adventures, its owners and employees act only as an agent for the various independent suppliers and contractors providing transportation, hotel accommodations, restaurant and other services connected with this tour. Such travel and services are subject to the terms and conditions under which such accommodations, services and transportation are offered or provided, and UCLA Alumni Association and Royal Adventures and their respective employees, agents, representatives, and assigns, accept no liability therefor. UCLA Alumni Association and Royal Adventures, assume no liability for any injury, damage, loss, accident, delay or other irregularity which may be caused by the defect of

any aircraft or vehicle or the negligence or default of any company or person engaged in carrying out or performing any of the services involved. Additionally, responsibility is not accepted for losses, injury, damages or expenses of any kind due to sickness, weather, earthquake, strikes, local laws, hostilities, wars, terrorist acts, acts of nature, quarantine, *force majeure*, injury including: eye injury, altitude related sickness, or other such causes. All services and accommodations are subject to the laws of the country in which they are provided. UCLA Alumni Association and Royal Adventures reserve the right to make changes in the published itinerary whenever, in their sole judgment, conditions warrant, or if they deem it necessary for the comfort, convenience or safety of the tour participants. They reserve the right to withdraw this tour without penalty, in which case participants will be issued a full refund, except if the tour is cancelled due to *force majeure* or other forces beyond our control in which case the recoverable portion of unused services or accommodations will be refunded. The right is also reserved to decline to accept or retain any person as a member of the tour, or to substitute another qualified leader or special guest. Baggage and personal effects are the sole responsibility of the owners at all times. The price of the program is given in good faith based on current tariffs and rates, and is subject to change. Any tariff, exchange rate, or fuel increases will be passed onto participants. The air ticket when issued shall constitute the sole contract between the passenger and the airline concerned. All cancellations must be made in writing. There are no refunds for unused meals, accommodations, or other features. *Because the total solar eclipse will be weather dependent, there is always a chance that passengers will not be able to view it or view it only for a short period of time. Neither Royal Adventures nor UCLA Alumni Association make any guarantees as to the viewing of the total solar eclipse. As part of the consideration and right to participate in this tour, each participant will be asked to sign a liability release.*

DISCLAIMER: Every reasonable effort has been made to ensure the accuracy of information presented in this publication. Neither the UCLA Alumni Association nor Royal Adventures is responsible for errors in or damages resulting from use of the information contained herein. Information contained in this brochure is subject to change.

QUESTIONS: Please contact UCLA Alumni Travel at 310-206-0613 or travel@alumni.ucla.edu for details.

UCLA Alumni Travel is a benefit of UCLA Alumni Association Gold, Life or Blue Membership. Please select an option below:

- ☐ I am currently a (check one):
☐ Gold ☐ Life* ☐ Blue Member of the UCLA Alumni Association.
☐ I have enclosed a check made payable to the UCLA Foundation for:
☐ \$1,000 Gold Membership ☐ \$100 Blue Membership

Detailed Alumni Association benefit information can be found at alumni.ucla.edu/benefits.
*The UCLA Alumni Travel benefit has been grandfathered in for existing Life Members. Life Membership is not currently available for purchase.

RESERVATION FORM

UCLA Alumni

TOTAL SOLAR ECLIPSE Chile and the Skies of the Southern Hemisphere

Enclosed is my/our deposit for \$_____ (\$1,000 per person) for _____ person(s) on **Total Solar Eclipse: Chile and the Skies of the Southern Hemisphere** departing **June 25, 2019**. I/We understand that a second deposit of \$2,000 per person will be due June 1, 2018 and that final payment by check only is due **February 25, 2019**.

Please authorize credit card payment or make a check payable to Royal Adventures, and send, along with completed reservation form, to: UCLA Alumni Association, Attn: Alumni Travel, James West Alumni Center, Los Angeles, CA 90095-1397. Or contact UCLA Alumni Travel at 310-206-0613; fax 310-209-4271; or e-mail travel@alumni.ucla.edu.

NAME AS ON PASSPORT _____ DATE OF BIRTH _____

NAME AS ON PASSPORT _____ DATE OF BIRTH _____

CONTACT INFORMATION

ADDRESS _____

CITY/STATE/ZIP CODE _____

HOME PHONE _____ CELL PHONE _____

E-MAIL(S) _____

BADGE NAME(S) _____

PAYMENT OPTIONS

- ☐ Pay by check made out to **"Royal Adventures"**
☐ Please charge the deposit of \$_____ (\$1,000 per person) to:
☐ AMEX ☐ Visa ☐ MasterCard ☐ Discover Card

CARD # _____

EXP. DATE _____ SEC. CODE _____

ACCOMMODATIONS

- ☐ I will share a room with _____
☐ I request a single room (limited availability)

FLIGHTS

- ☐ I/We will take care of my/our own international flights.
☐ Please book my/our air from _____
☐ Economy ☐ Business

I/We have carefully read the Terms and Conditions and Responsibility sections of this brochure and agree to their terms on behalf of myself and of my party named above.

SIGNATURE _____ DATE _____

SIGNATURE _____ DATE _____

TOTAL Chile and the Skies SOLAR of the Southern Hemisphere ECLIPSE

June 25–July 6, 2019

HIGHLIGHTS

- **OBSERVE** the 2019 Total Solar Eclipse at a special viewing site outside La Serena, Chile.
- **GO BEHIND-THE-SCENES** at some of the most advanced and largest observatories in the world with special entry to the Atacama Large Millimeter/submillimeter Array (ALMA), Paranal, and Gemini Observatories Observatory (pending final confirmation).
- **EXPLORE** dazzling night skies with large amateur telescopes in the Atacama Desert.
- **ENJOY** the dramatic scenery of the Andean north with its unusual wildlife, including the Andean flamingo, vicuña, and vicacha. Visit the Elqui Valley, an oasis in a very arid landscape.
- **RELAX** in thermal springs in the Atacama Desert.
- **TOUR** a Pisco distillery, spend a day in Chile's wine country, and tour Santiago with a visit to the premier Pre-Columbian Museum of Art.

