

INSPIRED EXPEDITIONS

THE UC SANTA CRUZ TRAVEL PROGRAM FOR THE CURIOUS

*Exploring the Skies of the
Southern Hemisphere*

CHILE

MARCH 16–26, 2022

WITH *Matthew Shetrone*
Deputy Director
of UC Observatories



Dear Alumni and Friends,

We invite you to join UC Santa Cruz on an exclusive expedition to Chile to behold the Southern Hemisphere's dazzling evening skies. Traveling with us is Matthew Shetrone, Deputy Director of UC Observatories. Shetrone received his Ph.D. in astronomy and astrophysics at UC Santa Cruz.

Go behind the scenes to meet astronomers who are peering deeper into the universe than ever before. Through special permission, we'll see the Vera C. Rubin Observatory with the world's largest digital camera fabricated for optical astronomy, the Gemini South 8.1-meter telescope, and the SOAR 4.1 telescope. We'll also enjoy a private entrée to see Las Campanas Observatory where the Giant Magellan Telescope is being built which will have a higher resolution than the Hubble or Webb Space Telescopes. In the evening we'll travel to El Pangué Observatory in Vicuña to view the pristine skies ourselves.

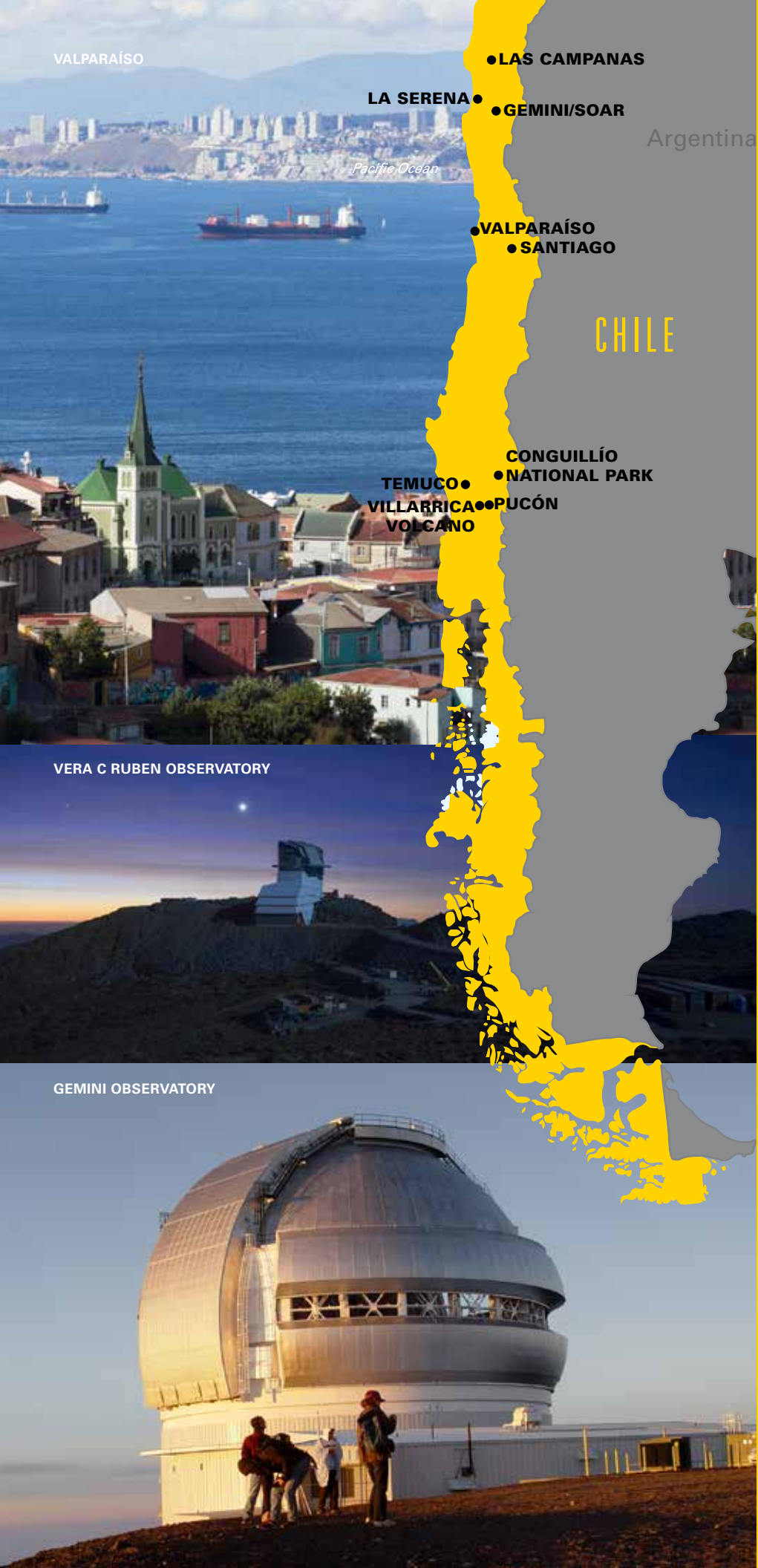
Your adventure continues as you travel to the World Heritage City of Valparaíso to retrace the steps of James Lick the benefactor of the Lick Observatory. From there we'll return to Santiago and travel south to the spectacular landscapes of the Lake District. Here ancient groves of Araucaria trees and volcanic lakes and lagoons surround the areas of snow-capped volcanoes. Enjoy a visit to the Swiss-like town of Pucón in the Andean foothills of Chile's Lake District.

Conclude your adventure with a farewell lunch and a tasting of select vintages in Chile's Casablanca Valley wine producing region. For those wishing to extend their stay a pre-trip to Easter Island is offered as well as a post-trip to Patagonia.

Space for this program is filling quickly, so please call today to secure your place to join us on this incredible journey to explore the remarkable observatories in Chile and the natural wonders in the Patagonian Lake District.

Warm regards from Santa Cruz,

Nichole Silva (Stevenson '95),
Director,
Strategic Travel and Experiences
UC Santa Cruz



Study Leader

MATTHEW SHETRONE is the Deputy Director of UC Observatories. Shetrone received his undergraduate degree in astronomy at the University of Texas at Austin and completed his Ph.D. in astronomy and astrophysics at UC Santa Cruz. From his experience with optical telescopes at McDonald Observatory as an undergraduate and the Keck and Lick Observatories as a graduate student, he was hooked on optical astronomy. Ph.D. in hand, he went south of the equator to the European Southern Observatory (ESO) in La Silla, Chile.

Matthew quotes his experience in Chile as being life changing. "Working as a postdoctoral with ESO was by far the culturally richest experience of my life. Working closely with European and Chilean astronomers opened new ways of thinking and new collaborations that would last me a lifetime." After several years abroad Matthew moved back to Texas to help develop science operations for an innovative optical telescope, the Hobby-Eberly Telescope, which had the largest optical mirror in the world. With the completion of a recent upgrade to dedicate large amounts of that telescope time toward solving the evolution of Dark Energy, Matthew was ready for new challenges.

Matthew has returned to the University of California system as the Deputy Director for UC Observatories. Regarding his job, he says, "On a daily basis I get to work with some of the most talented astronomers in the world and the largest and most well-equipped telescopes in the world. Who could have a better job than mine?"



CONGUILLÍO NATIONAL PARK

DU PONT TELESCOPE,
LAS CAMPANAS

SANTIAGO

MAGELLAN PROJECT

Itinerary

DAY 1 *Wednesday, March 16*

U.S. ✨ SANTIAGO

Depart from your home city for Santiago, the capital of Chile. OVERNIGHT FLIGHT (MEALS ALOFT)

DAY 2 *Thursday, March 17*

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 *Friday, March 18*

SANTIAGO ✨ LA SERENA

This morning fly north to La Serena and transfer to our hotel which overlooks the ocean. Enjoy an afternoon excursion to the Elqui Valley with Pisco tasting at a local distillery. Gather for an evening visit to a local observatory for stargazing.

LA SERENA CLUB (B, L, D)

DAY 4 *Saturday, March 19*

LA SERENA ✨ LAS CAMPANAS OBSERVATORY

Today we travel north of La Serena by road to Las Campanas Observatory (pending

final confirmation) 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. The Giant Magellan Telescope (GMT) is also being constructed here which is scheduled to be completed in 2027. The GMT will use seven of the world's largest mirrors as primary mirror segments, each 8.417 m (27.61 ft) in diameter and have a higher resolution than the Hubble or Webb Space Telescopes. Return to the hotel and take the evening at your leisure until dinner.

LA SERENA CLUB (B, PICNIC L, D)

DAY 5 *Sunday, March 20*

LA SERENA ✨ GEMINI SOUTH, SOAR AND VERA C. RUBIN OBSERVATORIES ✨ SANTIAGO

This morning enjoy exclusive visits to the Gemini South Telescope, Southern Observatory for Astrophysical Research (SOAR), and the Vera C. Rubin Observatory all located on the peak of Cerro Pachon, an 8,900-foot high mountain in northern Chile. The Gemini Observatory is an 8.1-meter telescope and the adjacent SOAR a 4.1-meter aperture telescope. The Vera C. Rubin Observatory, currently under construction, is an 8-meter-class telescope coupled to a 3.2 gigapixel camera-the world's largest digital camera ever fabricated for optical astronomy. All visits are pending final confirmation. Late

this afternoon we'll fly from La Serena back to Santiago. PLAZA EL BOSQUE EBRO (B, PICNIC L)

DAY 6 *Monday, March 21*

SANTIAGO ✨ VALPARAÍSO

This morning we depart for a visit to the garden city of Vina del Mar and the historic port city of Valparaíso. In Vina del Mar stroll along the Avenida Peru and take in the stunning ocean views. In the afternoon, continue to Valparaíso built in the 16th century on a total of forty-three hills. The city is now a UNESCO World Heritage site. Stroll through the Concepción and Alegre neighborhoods and ride the century-old hillside ascensores (elevators). Retrace the steps of James Lick, the benefactor of the Lick Observatory, who lived in Valparaíso for four years. Return to Santiago to our hotel.

PLAZA EL BOSQUE EBRO (B, L)

DAY 7 *Tuesday, March 22*

SANTIAGO ✨ TEMUCO ✨ CONGUILLÍO NATIONAL PARK

This morning fly south to Temuco. On arrival, we'll transfer to Conguillío National Park known for its ancient groves of Araucaria trees and volcanic lakes and lagoons that surround the Llaima Volcano. The park was chosen by the Discovery Channel to film their series "Walking with Dinosaurs," due to its landscapes resemblance of prehistoric times.

DIEGO DE ALMAGRO HOTEL TEMUCO (B, PICNIC L, D)



KINGSTON
FAMILY WINERY



VERA C. RUBIN
OBSERVATORY



VILLARRICA VOLCANO

DAY 8 *Wednesday, March 23*

TEMUCO ✨ VILLARRICA ✨ PUCÓN

After breakfast and hotel check out, we visit the local Temuco farmers market, La Feria Pinto, for a glimpse of the local culture. We continue to Lake Villarrica for lunch at a lakeshore restaurant. Following lunch, proceed to Pucón where a short city tour will introduce us to this small charming town embedded in the Andes foothills and the snow capped Villarrica Volcano. Check in to the Green Park Hotel for an afternoon at leisure. Dinner at the hotel.

GREEN PARK HOTEL PUCÓN (B, L, D)

DAY 9 *Thursday, March 24*

VILLARRICA VOLCANO ✨ HOT SPRINGS

Today, we'll enjoy an excursion to Villarrica Volcano and Lagoon. A walk at the base of Volcano Villarrica will give you a beautiful view over the lakes Villarrica, Colico, Caburgua, and Calafquén. Later that day, relax with an excursion to local thermal hot springs.

GREEN PARK HOTEL PUCÓN (B, PICNIC L)

DAY 10 *Friday, March 25*

TEMUCO ✨ SANTIAGO ✨ CASABLANCA VALLEY ✨ U.S.

After breakfast transfer to the Temuco Airport for a flight back to Santiago. On arrival, we'll drive to the Casablanca Valley where renowned Chilean wines are produced. We'll have our farewell lunch at the Kingston Family Vineyards. Learn how this vineyard founded by an American family including Harvard, Princeton and Stanford graduates has evolved into one of Chile's hottest, award-winning boutique wineries. Afterward, we'll transfer to Santiago's international airport for overnight flights home. (B, L)

DAY 11 *Saturday, March 26*

ARRIVE U.S.

Arrive in the U.S. and connect with flights home.

PROGRAM NOTE: *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 Tour 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!*



OPTIONAL PRE-TRIP EXTENSION

March 11–17, 2022

EASTER ISLAND

Located 2,600 miles west of Santiago in the South Pacific Ocean, this mysterious island has a visual impact few places in the world can equal. Hundreds of moais, tightlipped basalt statues unique in the whole of Oceania, are scattered throughout the island. Accommodations on Easter Island are at The Nayara Hangaroa which is known for its environmental design. The extension includes two nights at Plaza El Bosque Ebro Santiago, one on arrival in Santiago, one on your return from Easter Island and three nights at the Hangaroa on Easter Island, all excursions, entrance to Rapa Nui National Park, breakfast in Santiago and all meals and an open bar at the Hangaroa, transfers. Tips to guides and staff on Easter Island are at the passenger's discretion. Airfare to Easter Island is not included. Rates are based on a minimum of ten guests.



OPTIONAL POST-TRIP EXTENSION

March 25–30, 2022

TORRES DEL PAINE NATIONAL PARK, PATAGONIA

Any trip to Chile would not be complete without a visit to the rugged and colorful Torres del Paine National Park in southern Patagonia. Here's your chance to see mountains, glaciers, lakes, and rivers in one amazing place! The Torres del Paine ("Blue Towers") are a trio of imposing granite peaks that extend up to 2,500 meters (8,200 feet) above sea level. You'll have plenty of time to relax, explore, or both during our stay at the luxurious Remota Lodge in Puerto Natales. The extension includes one night at the Holiday Inn Santiago Airport, three nights at the Remota Lodge, excursions, all meals and open bar at the lodge. Tips to guides and Remota staff are at the passenger's discretion. Roundtrip airfare from Santiago to Punta Arenas is not included. Rates are based on a minimum of ten guests.



LAS CAMPANAS OBSERVATORY

What to Expect

This exclusive expedition is designed for UC Santa Cruz alumni and friends who are interested in learning about the astronomy of the Southern Hemisphere, exploring the wildlife, geology, and superb natural landscapes of the Patagonian Lake District of Chile. March is fall in Chile and average temperatures in Santiago are between 82°F and 49°F. In the area of La Serena temperatures generally range from 70°F to 56°F and average daily temperatures in the Lake District generally range from 70°F to 49°F. The Las Campanas Observatory is at 7,487 feet and Gemini South Telescope is located at an elevation of 8,900 feet (both visits pending final confirmation). Walks will be from one to two miles and at times over rocky, and uneven terrain. The pace of the walks will be leisurely. 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. 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. Since some travel will be in remote areas, everyone must be flexible concerning time schedules, food, insects, weather and dust. 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 and motorcoach.

Program Cost Includes

Study leader's lectures and discussions • Accommodations and meals as specified in the itinerary • Wine and beer with welcome dinner and farewell lunch • Pre-trip to Easter Island includes an open bar at Hangaroa Hotel and Patagonia Post-Tour includes an open bar at the Remota • Wine tasting and lunch at a Casablanca Valley vineyard • All land transportation • Four in-tour flights: Santiago to La Serena, La Serena to Santiago, Santiago to Temuco, Temuco to Santiago, included at a cost of \$450 per person; 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 • Baggage handling • Pre-departure information

PROGRAM COST DOES NOT INCLUDE:

US domestic and international airfare • Pre and Post-Trip Extensions do not include in-tour airfare • Passport Fees • Meals not specified in the itinerary • Personal items such as laundry, fax, e-mail, wi-fi or telephone calls • Liquor other than wine or beer included with some meals or as otherwise noted above • Room service • Excess baggage charges • Private transfers • Medical expenses • Covid-testing costs • 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

(Per person, double occupancy)

Standard Room (in Pucón, 322 square feet).....	\$7,975
Superior Room (in Pucón, 344 square feet)	\$8,035
Suite Room (in Pucón, 409 square feet)	\$8,096
Single Supplement, Standard Room (in Pucón, Limited Availability)	\$995
Single Supplement, Superior Room (in Pucón, Limited Availability)	\$1,075

SAMPLE COACH AIRFARE

San Francisco/Santiago/San Francisco. \$733
(As of March 2021, and subject to change)

EXTENSIONS

Easter Island Pre-Trip Extension	\$3,150
(Per person, double occupancy)	
Easter Island Extension, Single Supplement.....	\$550
Roundtrip airfare to Easter Island	\$690
(As of March 2021, and subject to change)	
Patagonia Post-Trip Extension	\$3,650
(Per person, double occupancy)	
Patagonia Extension, Single Supplement.....	\$550
Roundtrip airfare to Punta Arenas	\$365
(As of March 2021, and subject to change)	

PHOTO CREDITS: Cover and interior photo of Gemini South © Gemini Observatory/AURA • Rubin Observatory at Sunset © Rubin Observatory/AURA • Shutterstock: Valparaíso © Francisco Valenzuela; Conguillio National Park, Santiago © Yaalan; (Back cover) Chile night skies, Guanacos © Jess Kraft • Magellan Observatory Stars © J. Kelly Beatty • People wine tasting © Kingston Family Winery • Vera C. Rubin Observatory © Rubin Observatory/AURA • Villarrica Volcano © Vackav Sebek • Easter Island © powerofforever/iStockphoto.

General Information

RESERVATIONS, DEPOSITS & FINAL PAYMENT: To reserve your space on this program, a \$1,000 deposit is required per person. 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 December 10, 2021, and must be paid by check. Royal Adventures handles all invoicing. CST #2009579-40

CANCELLATIONS AND REFUNDS: Cancellations must be received in writing by Royal Adventures from the participant. For new enrollments paying a deposit in 2021, cancellations received before December 10, 2021, will receive a full refund. The aforementioned refund policy only applies to new reservations and does not apply to credits from any postponed travel program. Cancellations received on or after December 10, 2021, are subject to a 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 UCSC and the tour operator.

RATES: Tour costs are based upon current airfares, 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 Royal Adventures upon confirmation. Neither UCSC 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. "Cancel for Any Reason" insurance coverage must be purchased within 14 days following the date of trip confirmation.

RESPONSIBILITY: Royal Adventures, its owners, and employees act only as agents 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 the University of California Santa Cruz (UCSC) and Royal Adventures and their respective, employees, agents, representatives, and assigns, accept no liability, therefore. The University of California Santa Cruz (UCSC) and Royal Adventures assume no liability for any injury, damage, loss, accident, delay, or other irregularity that 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, epidemics, pandemics, pathogens, weather, strikes, local laws, hostilities, wars, terrorist acts, acts of nature, quarantine, force

majeure, animal or insect bites, or other such causes. All services and accommodations are subject to the laws of the country in which they are provided. If this tour is canceled due to a force majeure event or other forces beyond our control only the recoverable portion of unused services or accommodations if any will be refunded or credited on a future Royal Adventures tour. A force majeure event, in relation to this tour, shall mean any circumstances beyond our control, including, but without limitation, to acts of God, explosion, flood, forceful wind, fire or accident, war or threat of war declared or undeclared, acts of terrorism, sabotage, insurrection, riots, strikes, civil disturbance, sickness, epidemics, pandemics, quarantines, government intervention or other unforeseeable events. Limitations on travel arising from the COVID-19 pandemic or other pathogens shall be considered a force majeure event. The University of California Santa Cruz (UCSC) and Royal Adventures reserve the right to make changes in the published itinerary or to the study leaders 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. 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, airfare, or fuel increases will be passed onto participants. Neither the University of California Santa Cruz (UCSC) nor Royal Adventures accepts the liability for any airline cancellation penalty incurred by the purchase of a nonrefundable airline ticket. The air ticket when issued shall constitute the sole contract between the passenger and the airline concerned. There are no refunds for unused meals, accommodations, or other trip features. I will not hold the University of California Santa Cruz (UCSC) or Royal Adventures and/or its employees or agents responsible for any expense or loss caused by my/our failure to purchase trip cancellation and evacuation insurance coverage. As part of the consideration and right to participate in this tour, each participant will be asked to sign a liability release, assumption of risk, and hold harmless agreement.

DISCLAIMER: Every reasonable effort has been made to ensure the accuracy of the information presented in this publication. Neither the the University of California Santa Cruz (UCSC) nor Royal Adventures is responsible for errors in or damages resulting from the use of the information contained herein. Information contained in this brochure is subject to change.

QUESTIONS: Please contact Nichole Silva, Director, Strategic Travel and Experience at nsilva@ucsc.edu or Carla White, Tour Manager, Royal Adventures at carla@royaladventures.com or 1-800-453-4754, Ext. 113 for details.

CHILE

Exploring the Skies of the Southern Hemisphere
MARCH 16–26, 2022

Reservation Form

Enclosed is a deposit of \$ _____ (\$1,000 deposit per person, plus \$200 per person for the Easter Island pre-trip extension and \$200 per person for the Torres del Paine Patagonia post-trip extension, if applicable) to hold _____ place(s) on the *Exploring the Skies of the Southern Hemisphere: Chile*. Final payment is due December 10, 2021 by check.

Please authorize credit card payment below, or make check payable to **Royal Adventures** (CST#2009579-40) and send along with completed reservation form to: **Inspired Expeditions attention: Nichole Silva Director, Strategic Travel and Experiences, 1156 High Street, Santa Cruz CA 95064** or email nsilva@ucsc.edu or call (831) 459-3689.

NAME AS ON PASSPORT DATE OF BIRTH

NAME AS ON PASSPORT DATE OF BIRTH

STREET ADDRESS

CITY/STATE/ ZIP CODE

HOME PHONE

CELL PHONE

EMAIL(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

- ☐ Standard Room ☐ Superior Room (in Pucón only) ☐ Suite Room (in Pucón only)
☐ I am sharing with _____ (reservation form sent separately)
☐ I need assistance in securing a roommate. I understand if UC Santa Cruz or the tour operator cannot locate one for me by final payment date, I agree to pay the additional single supplement amount.
I prefer to share with: ☐ Smoker ☐ Non-smoker
☐ I desire single accommodations, if available, and will pay the single supplement additional cost of: \$995 Standard Room or \$1,075 Superior Room in Pucón. (limited availability).
☐ I/We will join the optional *PRE-TRIP* extension to Easter Island
☐ I/We will join the optional *POST-TRIP* extension to Torres del Paine, Patagonia

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

*Exploring the Skies of the
Southern Hemisphere*

CHILE

MARCH 16–26, 2022

WITH *Matthew Shetrone*
Deputy Director of UC Observatories



- **GO BEHIND-THE-SCENES** to see some of the most advanced and largest observatories in the world with special entry to Las Campanas Observatory (pending final confirmation), Gemini South Observatory, SOAR, and the Vera C. Rubin Observatory (pending final confirmation)
- **EXPLORE** Conguillío National Park chosen by the Discovery Channel to film their series “Walking with Dinosaurs.”
- **MARVEL** at dazzling night skies at a public observatory outside La Serena.
- **TOUR** Chile’s Lake District known for its sapphire lakes, lush forests, and snow-capped volcanoes.
- **SPEND** a day in Chile’s wine country and tour a Pisco distillery.
- **VISIT** the premier Pre-Colombian museum in Santiago.