Total Solar Eclipse
Chile & the Skies of the Southern Hemisphere

Meg Urry
Professor of Physics and Astronomy
Director, Yale Center for Astronomy and Astrophysics

June 25–July 6, 2019
Dear Yale Traveler,

On July 2, 2019, join Yale 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 Meg Urry, Professor of Physics and Astronomy at Yale and Director of the Yale Center for Astronomy and Astrophysics, enjoy special access to state-of-the-art observatories in the desert including: the Atacama Large Millimeter / sub-millimeter Array, also known as ALMA, the world’s most powerful radio telescope, Paranal, home to the Very Large Telescope, and Cerro Tololo, featuring a 4-meter telescope and two 1-meter telescopes run by Yale. 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 enchanted Elqui Valley, known for its beautiful landscapes and production of high-quality fruit and vegetables and tour a pisco factory. 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 the waitlist for a unique tour to witness a spectacular total solar eclipse as well as the remarkable observatories and natural history of northern Chile. We urge you to make your reservation today at www.yaledtravel.org/eclipse19. For questions or additional information, contact Yale Educational Travel at 203-432-1952 or edtravel@yale.edu.

Warm regards from Yale,

Weili Cheng ’77
Executive Director
Association of Yale Alumni

yaledtravel.org/eclipse19
MEG URRY is the Israel Munson Professor of Physics and Astronomy at Yale and Director of the Yale Center for Astronomy and Astrophysics and served from 2013-2017 in the presidential line of the American Astronomical Society. Professor Urry received her BS in physics and mathematics from Tufts University in 1977 and her PhD from Johns Hopkins University in 1984. Her scientific research focuses on active galaxies, which host massive black holes growing at their centers. She has published more than 280 refereed research articles on super-massive black holes and galaxies with over 20,000 citations. She is a Fellow of the American Academy of Arts and Sciences, the American Physical Society and American Women in Science, and a member of the National Academy of Sciences. She received an honorary doctorate from Tufts University, and the American Astronomical Society’s Annie Jump Cannon and George van Biesbroeck prizes. Prior to moving to Yale in 2001, Professor Urry was a senior astronomer at the Space Telescope Science Institute, which runs the Hubble Space Telescope for NASA. She is also known for her efforts to increase the number of women in the physical sciences, for which she won the 2010 Women in Space Science Award from the Adler Planetarium.

Upcoming Trips

Berlin: Art & Culture in the New Germany
October 18–25, 2018
Assistant Professor Jennifer Allen (History)

Dordogne
October 18–26, 2018
Professor Howard Bloch (French)

Morocco & the Canary Islands
November 3–14, 2018
Professor Jim Salzman ’85 (Environment)

Patagonia Expedition
November 3–15, 2018
Professor Paul Turner (Biology)
Itinerary

JUNE 25 TO JULY 6, 2019

Day 1: Tuesday, June 25
U.S. / SANTIAGO
Depart from your home city for Santiago, the capital of Chile. Overnight flight meals aloft

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. Ritz Carlton 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 pass through the 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. Tierra Atacama B, Picnic L, D

Day 4: Friday, June 28
SAN PEDRO DE ATACAMA / ALMA / FLAMINGOS NATIONAL RESERVE
This morning visit the most complex astronomical observatory ever built, the Atacama Large Millimeter/submillimeter Array or ALMA. Morning excursion to bathe in Puritama Hot Springs, a series of eight large pools of geothermal spring water located at the bottom of a canyon in the Atacama Desert. Next, we’ll visit the Atacama Salt Flat (Salar de Atacama), the largest salt deposit in Chile and 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. 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. Tierra Atacama B, L, D

Day 5: Saturday, June 29
SAN PEDRO DE ATACAMA
Morning excursion to bathe in Puritama Hot Springs, a series of eight large pools of geothermal spring water located at the bottom of a canyon in the Atacama Desert. 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, head close to the Chilean-Argentinean border to the Flamingoes National Reserve to see the Tuyacto Lagoon and the Salar de Agus Calientes salt flats for breathtaking views and opportunity to observe flamingos and vicuña. Tierra Atacama B, Picnic L, D

Day 6: Sunday, June 30
ANTOFAGASTA
Transfer by motor coach to Antofagasta. Afternoon at leisure. Hotel Terrado Antofagasta B, L

Day 7: Monday, July 1
ANTOFAGASTA / LA SERENA
Depart by motor coach to the Paranal Observatory (pending final confirmation), home of the ‘Very Large Telescope’ often described as the world’s largest. 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 an afternoon flight to La Serena. Enjoy a city tour and transfer to our hotel. Diego de Almagro B, D

Day 8: Tuesday, July 2
LA SERENA / VICUÑA—ECLIPSE VIEWING SITE
This morning transfer outside La Serena by motor coach to the eclipse viewing site in Vicuña which is directly along the path of totality. Late in the day gather for your eclipse viewing party. Afterwards, return to the hotel. The maximum eclipse (mid-totality) commences...
approximately at 4:39 p.m. Transfer back to the hotel for a debriefing of the observations.
Diego de Almagro B, L, D

**Day 9: Wednesday, July 3**
**LA SERENA / ELQUI VALLEY**
Morning excursion to the Elqui Valley known for producing high-quality grapes for pisco along with other fruits and vegetables. Enjoy a pisco tasting at a local distillery. Afternoon is at leisure.
Diego de Almagro B, L, D

**Day 10: Thursday, July 4**
**LA SERENA / CERRO TOLLOL**
This morning visit the Cerro Tololo Interamerican Observatory which features a 4-meter optical telescope. The Yale-run Small and Medium Research Telescope System (SMARTS) Consortium operates two 1-m class telescopes on top of Cerro Tololo. Take a late afternoon or early evening flight back to Santiago.
Ritz Carlton B, Picnic L

**Day 11: Friday, July 5**
**SANTIAGO / SANTA RITA WINERY VISIT / U.S**
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. Return to our hotel and the remainder of our afternoon is unscheduled before driving to the airport for our overnight flights home. Overnight Flight B, L

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 it 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!

**Optional Pre-Tour Extension to Easter Island**
June 20–26, 2019
After an additional night’s stay in Santiago, depart the next morning for Easter Island (Rapa Nui). 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. The island’s history is as intriguing as its natural beauty; for here is a remarkable barely-understood outdoor museum that has gripped the world’s imagination for centuries. Hundreds of moais, tight-lipped basalt statues unique in the whole of Oceania, are scattered throughout the island. Accommodations on Easter Island are at the Explora Rapa Nui, a truly high-end accommodation. The extension includes two nights at the Ritz Carlton in Santiago and three nights at the Explora Rapa Nui, all excursions, all meals while staying at the Explora Rapa Nui (including wine and an open bar), transfers, guides, and gratuities to staff at Easter Island. Airfare to Easter Island is not included. Rates are based upon a minimum of 10 guests.

Reserve Your Trip Today
Book online: yaleedtravel.org/eclipse19
WHAT IS INCLUDED
- Lectures & discussions with Yale Professor Meg Urry
- Accommodations and meals as specified in the itinerary
- Open bar at the Tierra Atacama
- 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 tour director, local guides, porters and drivers
- Airport transfers for group flights
- Domestic airport departure taxes
- Entrance fees
- Eclipse viewing site
- Eclipse viewing glasses
- Baggage handling
- Pre-departure information
- Emergency medical evacuation services with UHC Global.

WHAT IS NOT INCLUDED
US domestic and international airfare • Flights for the optional pre-tour extension to and from Easter Island • Passport or Visa fees • Meals not specified in the itinerary • Personal items such as laundry, e-mail, wi-fi or telephone calls • Alcohol not included in program description • 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

WHAT TO EXPECT
This exclusive expedition is designed for Yale 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 are at the approximate elevations of 8,645 feet at Paranal, 7,200 feet at Cerro Tololo and 9,514 feet at the operations facilities of the Atacama Large Millimeter/submillimeter Array (ALMA). An optional visit (pending final confirmation) to the antenna instillation at ALMA at 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. 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. There will be some stair climbing and some stairs may not have handrails. 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 motor coach.

TIERRA ATACAMA BOTIQUE HOTEL & SPA
One of the most stylish hotels in the North, the Tierra Atacama is located on the edge of San Pedro de Atacama. The hotel’s architecture, interior design and gardens were designed by some of Chile’s leading creative talent. Cool stone-floored rooms, featuring private terraces and open-air showers overlooking volcanos, mountain ranges, and aromatic gardens ensure private enjoyment of the wilderness. The spa has a picture-perfect infinity pool dropping into pampa grass with Volcan Lincancabur in the distance, and steam rooms, bubble beds in the heated indoor pool, and exclusive outdoor hot tubs that complete the water experience. Wi-Fi is located throughout the hotel. Common areas also include a TV lounge, excursions area, board games and terraces with fire pits. There is an open bar and the hotel’s restaurant incorporates local cuisine as well as international favorites.

Program Cost, per person
(based on double occupancy)

| Land Program | $10,590 |
| Single Supplement | $1,890 |
| Sample Coach Airfare: JFK / Santiago / JFK | $1,200 |

(Assumed January 2018 and subject to change)

Easter Island Pre-Tour Extension | $2,995

Extension Single Supplement | $545

Sample Coach Airfare: Santiago / Easter Island / Santiago | $650

(As of January 2018 and subject to change)

Rates for this extension are based on a minimum of 10 guests.

AIR ARRANGEMENTS
Valerie Wilson Travel, Inc. can help with international air arrangements for this trip and can be reached at 800-447-3560. You are welcome to book your air transportation through your local travel agent, an online travel site, or the airline of your choice.

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Enclosed is a deposit of ______ ($1,000 deposit per person, plus $300 for the Easter Island extension, if applicable) to hold ______ place(s) on the Total Solar Eclipse: Chile and the Skies of the Southern Hemisphere. A second deposit of $2,000 per person is due by check by November 1, 2018. Final Payment is due February 25, 2019 by check.

1) NAME AS ON PASSPORT

DATE OF BIRTH    YALE AFFILIATION

PASSPORT ORIGIN    RELATIONSHIP TO OTHER GUEST

2) NAME AS ON PASSPORT

DATE OF BIRTH    YALE AFFILIATION

PASSPORT ORIGIN    RELATIONSHIP TO OTHER GUEST

Contact Information

ADDRESS

CITY/STATE/ZIP

PRIMARY PHONE    SECONDARY PHONE

E-MAIL

To reserve, return to the above form with credit card authorization or check payable to “Royal Adventures” to Yale Educational Travel, P.O. Box 209010, New Haven, CT 06520-9010.
Phone: (203) 432-1952. Fax: (203) 432-0587. Or visit www.yaleedtravel.org/eclipse19 to book online.
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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 (pending final confirmation), and Cerro Tololo Observatories.

Explore dazzling night skies with large amateur telescopes in the Atacama Desert.

Relax in thermal springs 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.

Tour a Pisco distillery, spend a day in Chile’s wine country, and tour Santiago with a visit to the premiere Pre-Columbian Museum of Art.