TOTALITY IN ANTARCTICA

LED BY LEGENDARY CAL PROFESSOR AND ENVIRONMENTAL SCIENTIST VINCENT RESH

NOVEMBER 27TH – DECEMBER 11TH, 2021
An Expedition Like No Other.

A once-in-a-lifetime journey.

Tailored for an intimate group of astronomy and eclipse enthusiasts, this remarkable polar odyssey will transport us to the end of the Earth for a celestial event rarely witnessed on the White Continent!

Guided by the legendary environmental scientist Vincent Resh, our route will navigate the famed Drake Passage, visiting unique locations across the South Shetland Islands and Antarctica Peninsula that have amazed and inspired scientists, explorers, and sightseers alike for centuries.

In addition to Professor Resh, we will be joined by other highly experienced Antarctica experts and expedition leaders who will present lectures and hands-on workshops ranging from marine wildlife, ecology, climate change, photography, astronomy, and the history of the various locations we visit.

Travel in style aboard one of the newest and most luxurious vessels in the polar regions—The World Navigator—which utilizes leading technological innovation to get you closer than ever to snowy peaks, colossal blue glaciers, and roaming icebergs. Enjoy gourmet meals, an open bar throughout, and as many 7th-continent landings as possible on this all-inclusive voyage. Our ship is also one of the most environmentally friendly at sea, using a clean-burning hybrid electric-hydro propulsion and anchorless positioning systems. All cabins feature luxurious amenities, free unlimited wifi, complimentary 24-hour room service, and a private outdoor or Juliet-style balcony with pristine ocean views.

Exclusively for our ship, we have chartered a private plane from Orlando to Ushuaia, Argentina and round trip airfare from San Francisco (SFO) as well as 16 other major gateways are included in the cost of the program.

Don’t miss this once-in-a-lifetime expedition to behold the alignment of the Sun, Earth, and Moon in a transformative moment of Totality in one of the most majestic landscapes on the planet.

Questions?
Please contact Cal Discoveries Travel at caldiscoveries@alumni.berkeley.edu or 510.900.8222
Expedition Leaders

VINCENT H. RESH
ENVIRONMENTAL SCIENTIST

Vincent H. Resh has been a professor of Environmental Science, Policy & Management at the University of California, Berkeley since 1975. Professor Resh has been an advisor to the World Health Organization and other United Nations Organizations for over 20 years in evaluating human impacts on water resources in developing countries in Asia and Africa. He also serves on various scientific advisory boards on water issues in California. He received the University of California’s Distinguished Teaching Award in 1995 and has taught about issues related to water and the environment to over 20,000 Berkeley undergraduates.

Cal lecturer’s participation cannot be guaranteed and is contingent on a minimum number of paying travelers

ED SOBEY
OCEANOGRAPHER, EXPLORER, SCIENTIST, & INVENTOR

Ed is a world explorer with numerous scientific expeditions. He holds a Ph.D. in oceanography from Oregon State University and has been awarded three Fulbright Specialist Grants.

In addition to teaching on a ship, Ed lectures on commercial cruise lines. Topics include Antarctica, the Arctic, Coral Reefs, Whales, Penguins, Plate Tectonics, and the special interests of each itinerary. He has given bridge narration at Cape Horn; Patagonian, Norwegian, and Alaskan Fjords; Panama Canal; and Gibraltar.

As a US Naval Officer Ed participated in ten classified research expeditions. Later he did winter sea ice research in Antarctica and led several Sea Kayak Expeditions in Southeast Alaska. He has led and participated in over two dozen expeditions including several SCUBA expeditions.

His recent book, Shipwreck Treasures, Incan Gold, and Living on Ice – Celebrating 50 Years of Adventure, chronicles his adventures around the world doing research from ocean kayaks and SCUBA diving, wintering in Antarctica, sailing across the Pacific Ocean, and globetrotting to secure blockbuster exhibitions for his museums. Ed has published thirty-five books and several technical papers on Antarctic sea ice and the Alaskan marine environment.

PATRICK TREUTHARDT
ASTRONOMER

Patrick Treuthardt, Ph.D. will join World Navigator’s special 12-night, Antarctic solar eclipse voyage, departing November 28, which crescendos with a rare celestial event, a solar eclipse over Antarctica on December 4. Patrick holds a Ph.D. in Physics with Astronomy Specialization and serves as the Assistant Head of the Astronomy and Astrophysics Research Lab at the North Carolina Museum of Natural Sciences.
DAY 1 | DEPARTURE
Fly from your city of origin to Orlando to meet the group and board your chartered flight to the southernmost city in the world, Ushuaia, Argentina.

DAY 2 | USHUAIA, ARGENTINA
The snow-capped Martial Mountains behind a sprawling city of colorful buildings create the backdrop of the southernmost city in the world: Ushuaia, Argentina. A mix of historic buildings and rugged nature make this city a welcoming stop for travelers venturing beyond to the Seventh Continent.

After expediting through customs from our private charter landing, enjoy a welcome breakfast and overview of this charming city, before boarding the World Navigator.

DAY 3 & 4 | DRAKE PASSAGE NAVIGATION
Voyage beyond the Beagle Channel and navigate the famed Drake Passage. Petrels and albatrosses that glide across the skies guide the way on this waterway where cold southern ocean meets warm northern sea water. While the waterway is famous for its challenging navigation, you may still get another side of the “Drake Lake”, as on some occasions, the channel is calm and flat. As you emerge from the Drake Passage, the mammoth, icy peaks of the South Shetland Islands loom ahead, greeting you on your victorious landing which is likely to happen before sunset on Day 4.

During the crossing, enjoy lectures on marine biology, glaciology, astronomy and more from seasoned guides on the ship.

DAY 5 | SOUTH SHETLAND ISLANDS, ANTARCTICA
The South Shetland Islands are silent and serene. Natural wonders like the black and white effect of Deception Island and the peaks of massive glaciers sitting atop the water’s surface inspire awe and admiration - even from the most veteran explorers. The stillness of the Shetland Islands evokes a sense of wilderness left to be discovered.

Along the rugged cliffs of Brown Bluff, the exposed portion of a glacial volcano, you can hike to a backdrop of expanses of ice and ocean.

Deception Island, the caldera of an active volcano, creates a black-and-white photo effect with black sands mixed with white snow at Neptune’s Bellows. A dip in the steaming hot springs of a black sand beach feels like an unreal experience amid the snow-capped mountains in the background.

DAY 6 | ANTARCTIC PENINSULA
Enjoy another full day on the White Continent, with an estimated two landings, guided by weather conditions. From the remarkable blue coloring of glaciers to leopard seals napping on ice floes, the Antarctic Peninsula contains a multitude of wonders to behold. Cormorants soaring high above and orcas breaching the waters below surround you with a magnificent array of wildlife that calls to your inner explorer. Cruise in zodiacs along icebergs with your expedition guides, and enjoy daily optional activities including kayaking, paddleboarding, and of course, a polar plunge.

DAY 7 | CRUISING THE SCOTIA SEA
Spend the day on the high with your fellow explorers in preparation for the Solar Eclipse. Enjoy onboard lectures and presentations around Astronomy, Photography, and how to best prepare for the ultimate moment of Totality.

DAY 8 | THE ECLIPSE
The eclipse begins early in the morning east of Falkland Islands. From here the moon’s shadow speeds south at roughly 7,000 km per hour towards the South Orkney Islands and Antarctica. The ship will position itself in the center of the shadow of the moon, and if possible, some distance into the Scotia Sea drift ice. The ice edge will be about 60°S, 41°W, and the duration of Totality will be approximately 1 minute and 40 seconds.

Share in the transformative moment of Totality!
DAY 9-11 | GOLD HARBOUR, S. GEORGIA & SANDWICH ISLAND
South Georgia and the South Sandwich Islands offer rugged mountain views amidst the Atlantic Ocean, part of the "Scotia Arc." Remnants of a whaling vessel repair station amid whale bones make up the haunting landscape of Grytviken. These lands contain the intrepid history of Antarctica and call out for you to explore and discover that it still holds more.

Along South Georgia's southern coast lies King Haakon Bay, where the history of Shackleton's marooned ship rescue comes to life among the gray stone shore and snowy peaks. Rocky cliffs stand tall amid the rugged landscape that challenges you to brave its trails and make your own history. Gazing up at these natural monoliths gives you a sense of reverence.

Among the South Sandwich Islands you will find King and Gentoo penguin rookeries with an abundance of these rare birds to take pictures with. As you traverse the dirt trails leading to the islands' wildlife, you get up close and personal with Antarctica's nature, creating a sense of awe and wonder.

Gold Harbor, the true jewel of South Georgia, is home to a great deal of wildlife. As you step into these lands, penguins and elephant seals make a raucous greeting that you cannot help but smile over. Lying at the foot of the Salvesen Mountains, Gold Harbor’s cliff-lined coast creates a perfect backdrop high-above a spreading of green tussock grass.

DAY 12-13 | USHUAIA, ARGENTINA
Recross the Drake Passage on the journey back to South America. The meeting of warm and cold waters creates an environment that attracts marvelous wildlife and the chance to witness humpback whales and hourglass dolphins that accompany the voyage back home. The soundtrack of the journey through the Drake Passage includes the cry of petrels, skuas, and gulls. We will also enjoy another series of lectures and presentations on all the wildlife we have seen throughout the journey, as well as discuss the conservation on this remarkable part of the planet and the stewardship of its land and seas in the years to come.

DAY 14 | USHUAIA, ARGENTINA
Arrive safely back at port in the morning at the "End of the World," Ushuaia Argentina. Today we will have the chance to further explore this town and its wild natural surroundings. Enjoy a wide variety of hikes for all skill levels through the forest of Parque Yatana and its lush nature and rich, indigenous culture. The forest's name translates to "weave" in the native language of Yaghan. Take an optional ride in the Train at the End of the World, or visit one of the museums in town. We will come together for a gaucho picnic dinner before boarding our plane back to Orlando, Florida.

DAY 15 | ORLANDO, FL & HOME TO US GATEWAYS
Arrive back on the chartered flight in Orlando and transfer on to your city of origin or onward for any optional post-trip extensions.
Aboard the World Navigator

OUR EXTRAORDINARY EXTRAS INCLUDE:

ROUNDTRIP AIRFARE
Private Charter Jet Service with open bar and world class service

TWO EXCURSIONS PER LANDING DAY
An adventure for every type of traveler as we land our zodiacs on the ice (weather-dependent)

UNLIMITED PREMIUM POURS
You’ll sip well with highly-rated wines, beers and spirits in addition to mineral water and specialty coffees

REFINED ACCOMMODATIONS
Wake up each day in a plush bed to sweeping panoramas

BUTLER SERVICE FOR SUITES
Don’t lift a finger on board

IN-ROOM INDULGENCES
Complimentary 24-hour room service and L’Occitane bath, body and hair care products

SELF-CARE ON US
Work it out with fitness, stretching and yoga classes

ENRICHMENT CLASSES
Learn about diverse subjects in the far south such as filmmaking and digital photography in the seventh continent, and Antarctic governance

GOURMET, 5-STAR CUISINE
Your palate will be more than pleased

PREPAID GRATUITIES
Leave your wallet alone the entire voyage

INTERNET ACCESS
Wi-Fi from bow to stern
Our luxe-adventure experience starts in the air with private charter jet service from Orlando, and connecting flights to and from 16 cities of origin in North America.

To ensure your safety and comfort on the way to Ushuaia, Argentina, where every Antarctic journey begins, we'll give you the full, pampered treatment aboard our exclusive aircraft. As you sit back and relax with a flute of demi-sec in hand, the journey will fly by. And of course, during the flight you’ll enjoy premium wine, liquors and beers, and delicious meal service to make it the most relaxing transfer experience ever.

We want to make your journey as easy as possible, so we take care of all logistics. All of your luggage will get conveniently checked and sent straight to the ship. Upon arrival in Ushuaia, we will meet and escort you through immigration to alleviate that stress. And, even one less detail to worry about: Packing a parka and knee boots. We’ll provide these for you.

We're always finding new ways to provide the ultimate luxe-adventure voyage, and with our private charter jet service for all Antarctica sailings, we're delivering an unmatched experience.
**Key Details**

**INCLUSIONS**
- 15 day, 14 night voyage with accommodation in a shared cabin with private facilities
- Atlanta, Boston, Chicago, Dallas/Ft. Worth, Fort Lauderdale, Houston, Los Angeles, Miami, Montreal, New York City (JFK), Ontario, Orlando, Phoenix, San Francisco, Vancouver, and Washington (Dulles)
- All Zodiac landings and excursions as per itinerary
- Special edition expedition parka
- Use of rubber boots and necessary expedition equipment
- Private guides and lectures by our English-speaking expedition leaders
- Educational presentations, lectures, and activities aboard the ship
- All meals aboard – breakfast, lunch, dinner and afternoon snacks
- Unlimited premium pours of beer, wine, spirits, specialty coffee, tea, and soda
- Welcome champagne reception
- Comprehensive cultural information and reading materials
- Standard wireless internet throughout the ship
- Medical evacuation insurance up to $200,000 USD
- All gratuities, service taxes, and port fees

**EXCLUSIONS**
- Flights/transportation to 1 of 16 available North American gateways
- Optional ship activities [kayaking, hiking, paddle boarding]
- Transportation of luggage in excess of weight allowance
- Travel insurance (strongly recommended)
- Food and beverage other than that specified in the itinerary
- Expenses of a purely personal nature
- Costs associated with trip interruption or modification due to weather, travel conditions, political/civil disputes, medical emergencies, or other causes beyond our control

Starting at $17,999 USD, all inclusive