

Spires and Ice - Trekking Patagonia

Trip Code: PAT

Version:





HIGHLIGHTS

- Discover the vast Perito Moreno Glacier
- Take on the stunning W-trek in the UNESCO-protected Torres del Paine National Park
- Walk in the shadow of the towering Monte Fitz Roy and breath-taking Cerro Torre
- Stay in incredibly scenic refugios and estancias
- Explore a land of rock towers, glaciers, cascading waterfalls and calving icebergs

■ EARLY BOOKING ESSENTIAL to confirm National park accommodation.

AT A GLANCE

ACCOMMODATION & MEALS

- 8 days trekking
- Max altitude 1200m
- Join at El Calafate

VIEW DATES, PRICES & BOOK YOUR HOLIDAY HERE

Overview

This superb walking holiday in Patagonia introduces you to one the world's last, great wildernesses and takes you on an incredible voyage through two of the most beautiful landscapes on the planet: Torres Del Paine National Park in Chile and Argentina's Los Glaciares National Park. Home to gigantic glaciers, cascading waterfalls, magnificent peaks and crystal clear lakes; nothing can prepare you for the beauty of Patagonia, with its wild and rugged glacial landscape. The adventure includes the sought-after 'W Trek', staying in wonderfully situated refugios and campsites. After the beauty of the Grey Valley, we take on the incredible French Valley trail before one of our absolutely favourite highlights: the trek up to the base of the majestic, soaring Paine towers in the Valle Ascencio. Just when you thought this experience couldn't be topped, we enter Argentina's Los Glaciares National Park and explore the photogenic Perito Moreno Glacier before enjoying splendid walks around the stunning peaks of Monte Fitz Roy and Cerro Torre.

Is this holiday for you?

On this excellent adventure which includes the W trek, we make use of mountain refuges and campsites (whilst on trek) with hotels and estancias to see the very best of the Patagonian landscape. Walking days range in duration from 3 to 9/10 hours with plenty of stops along the way for wildlife spotting and photographs. The walking is on well-defined paths and the real bonus of trekking in Patagonia is that altitude is not a factor. Getting to this incredibly wild and remote destination involves a long journey, but this is one of the reasons it remains such a special place to visit. We'd recommend arriving a day early in El Calafate and relaxing, so you feel rested and ready for the trek. Please note that WiFi and phone communication in the park is extremely limited (almost non-existent) which means evenings are much more of a social affair and days are for enjoying the magnificent scenery.

While trekking you will just need to carry a day pack with a packed lunch and personal items such as spare clothing, waterproofs, wash kit etc. Whether staying in the refugios or camping, you do not need to carry your own camping gear or sleeping bag, unless you opt to bring your own. If required, porters can be hired at additional cost and carry up to a maximum of 14kg (so this could potentially be shared by 2 people), this needs to be booked in advanced with us.

Itinerary

Version:

Extensions

When booking your holiday, you will be able to 'add an extension option'. Once we have received your booking we will contact you to discuss additional services required for the extension and to take any additional deposit.



Tierra Del Fuego - "Land of Fire"

Tierra del Fuego or "Land of Fire" is a breath taking island divided between Argentina and Chile and a must see destination for anyone travelling to Patagonia.

KE's excellent extension explores this beautiful part of the world with inflatable canoes, boat and on foot. Containing one of the most famous stretches of water in the world - The Beagle Channel you will motor and paddle along wonderful waterways, hike secret trails, visit the famed Gable Island with its beaver dams, look for exciting birdlife including seals and meet the penguins on Martillo Island! Staying where the Andes meet the ocean, Ushuaia is the world's most southern town and the perfect place to enjoy, pre- or post-trek.

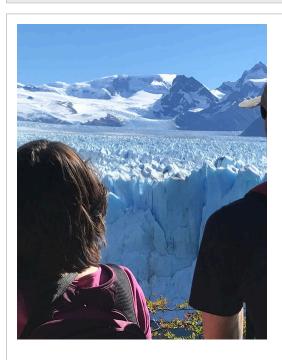
4 days from US\$1,730 per person



Iguazu Falls

Straddling the border between Argentina and Brazil, the Iguazu Falls are the largest of their kind in the world. Tumbling over the 3km-wide edge of the Parana Plateau, the falls consist of between 150-300 waterfalls, dominated by the long, narrow chasm that is known as the Devil's Throat. One of the world's true natural wonders, the sheer force and power of these falls can be felt on our extension which allows us to visit from both sides of the border. On the Argentinian side, we are able to wonder in, out and between the falls, whereas on the Brazilian side it is possible experience and observe the falls from a step back, which enables a true sense of perspective. What a wonderful way to cap your experience in Patagonia!

3 days from US\$515 per person



El Calafate and Perito Moreno Glacier

Set in the UNESCO World Heritage Site of Los Glaciares National Park, Perito Moreno Glacier is a "must-see" for any Patagonia traveller!

Starting in El Calafate, we transfer to Los Glaciares National Park where we explore the walkways and viewpoints that give us a unique panorama of the 5km ice wall at the head of the glacier. As an active glacier we may see dramatic icefalls as the ice carves off and plummets into Lago Argentino (Argentina's biggest lake). After exploring on foot, we take to the water on our Nautical Safari Tour. Here we cruise across Lake Rico, passing between icebergs that have calved off the glacier. As we reach 'Icebergs Channel', at a safe distance, we sail down the headwall of the glacier, allowing for spectacular close-up views of nature at work!

This extension fits in perfectly, pre tour, with KE's Patagonia Paine Circuit and is a wonderful way to see this impressive natural wonder.

2 days from US\$575 per person

Holiday Information

What's Included

- A professional local leader
- A single timed airport transfer on Day 1 and 13 (to meet the preferred flight)
- Meals as per the Meal Plan
- National park fees
- On trek a full service including food and equipment (excluding personal equipment)
- All land transport involved in the itinerary
- All accommodation as described in the trip notes

What's not Included

- Travel insurance
- Tips for Tour leader, local guides, drivers
- Tips for restaurants (10% of the bill)
- Airport transfers (other than for the group preferred flights)
- Some meals as per the Meal Plan
- Transfers between Buenos Aires Airports
- Miscellaneous expenses drinks and souvenirs etc

Joining Arrangements & Transfers

The flight inclusive package price includes international flights to Buenos Aires, overnight hotel and breakfast, transfers to and from the airport and the onward internal flights to El Calafate, arriving on Day 1 of the itinerary.

A single-timed group transfer from El Calafate Airport to the group hotel will meet with the arrival of the recommended group flight. At the end of the trip a single group transfer is provided to coincide with the departure of the recommended group flight.

Land only clients may join the group transfers if timings allow. For clients not able to join the group transfers it is very easy and budget friendly to book a taxi transfer on arrival as El Calafate is approximately 10 miles from the airport. A taxi will cost around US \$30 - \$40 and is easy to pick up on arrival. KE are also happy to arrange a private transfer for you. Please advise the KE office if you would like us to book transfers and/or any additional hotel nights in El Calafate.

Please note there are a number of airlines arriving and departing from El Calafate and we have no control over schedule changes, so please contact the KE office to discuss flights and transfer times.

Hotel contact details and an emergency contact number will be provided with your booking confirmation.

IMPORTANT: With regards to flight times ALL clients need to arrive in El Calafate no later than 3pm to have time to check-in at the hotel and attend the trip briefing prior to an early evening welcome dinner. For the departure flights from El Calafate, you will need to arrange a flight departing after 2 pm to allow enough time to get to the airport. The trip finishes in El Chalten town and there is a 3 hour group transfer to the airport.

Meal Plan

All meals except 3 dinners and 1 lunch are included in the holiday price.

Food & Water

Water from the taps is perfectly drinkable on this holiday - please use this to fill your personal bottles for your daily activities. We do not encourage the purchase of single-use plastic bottles.

Patagonia's rich and fertile land, combined with a fascinating human history of waves of European immigration ensures a rich and diverse cuisine. The glacial waters of the national parks mean an abundance of fresh trout and salmon which are grilled, pan-fried or roasted. It is hard to imagine being able to source fresher and wilder freshwater fish than here! For those seeking a seafood hit, king crab chowder would be hard to beat! An incredibly indulgent dish of crab, cheese and cream, topped with breadcrumbs. Patagonia is also rightly famed for its lamb, often spit-roasted over a wood fire, served with a sauce made from the local calafate berry. Wild deer and boar roam the rugged landscape here, and can often be found on the menu too. Empanadas are very similar to Cornish pasties and are stuffed with lamb, vegetables or cheese. The influence in the highlands is alpine, and happily this also means chocolate of the very highest quality. For those seeking refreshment, Patagonia (like much of Latin America) is experiencing a boom in micro-breweries and are well worth seeking out. The calafate berry also makes it in to the local version of the Pisco Sour, which locals will tell you is far superior to any other! Finally, wine lovers will be utterly spoiled with the very best Malbec, Pinot noir and Torrentes wines.

Special Diets

Whilst we can cater for vegetarians, albeit sometimes with a more limited choice, we cannot always provide for special diets. Due to the nature of some of the trips that we operate and the countries in which we operate them, it can be very hard (and sometimes impossible) to cater for a wide range of dietary choices and you may have to supplement your meals with food/snacks from home. If you have specific dietary requirements please do speak to our sales team and they will be able to advise you whether or not we will be able to offer your specific choice. Please note that we are unable to provide separate menus and cannot accept liability for any problems arising from special dietary requirements or intolerances.

Accommodation

During this holiday, the group will spend 3 nights in a tourist hotel (en-suite rooms) in El Calafate and 3 nights in El Chalten, where we use a traditional hosteria with en-suite rooms. In the Torres del Paine National Park, we spend our first night in a hotel/lodge on the edge of the national park. Once we start the trek we use a mixture of the mountain refuges and adjacent campsites within the National Park. Shared bathroom facilities and dining are provided in the refuges. Each refuge has a small shop and a restaurant and are part of the fantastic trekking culture in Patagonia. In the event of the refuges being fully booked we will camp on the adjacent campsites. They are all in the most incredible locations and our comfortable camps allow us some extra space and privacy. On day 7, we will stay at a hotel in Ville Cerro Castillo.

Accommodation is based on twin sharing. If you are a solo traveller, you will be paired up with another solo traveller of the same gender. For the 3 nights in El Calafate, 3 nights in El Chalten, 1 night at Torres del Paine and 1 night in Ville Cerro Castillo, single rooms are available for a supplementary cost. If camping, single tents are available (single supplement applies) but are subject to availability.

For Flight inclusive passengers we also stay 1 night at the start and 1 night at the end of the trip in Buenos Aires in a comfortable city centre hotel in the Palermo District close to the airport. Single rooms for these nights are available at additional cost (not included in the land only single supplement price).

It is possible to book additional hotel nights in El Calafate and Buenos Aires. For hotel prices and single supplement costs please refer to the dates and prices page of the trip on our website. Hotels are subject to availability and prices may vary.

Group Leader & Support Staff

The group will be led by a professional and qualified tour leader.

Spending Money

We estimate that US\$400-\$500 should cover all of your expenditures whilst in Chile/Argentina, including the above meals, soft drinks, tips for the trek crew, local tips and airport taxes. If you intend to purchase expensive souvenirs, you should budget accordingly. ATM's are available at airports and in cities but are limited in smaller towns and should not be relied on.

We recommend paying with credit cards and bringing some cash in USD or EUR to use or exchange to local currency. We do not recommend withdrawing cash since each transaction is very expensive. If you need to withdraw USD or EUR it is best to do this in Buenos Aires. Tips are appreciated in USD or EUR so we recommended bringing small notes for this. In Chile, it is possible to exchange currency for some Chilean Pesos at the border crossing at Parador El Ovejero.

Guidance on Tipping

Tips are the accepted way of saying 'thank you' to your local guides, porters and drivers. They do not form part of their wages. KE always pays local crews the best rates of pay, no matter what country they are in and any tips they receive are seen as a personal thank you from group members. For our part, we advise local teams that tips are not a duty or a prerequisite but are a bonus and entirely dependent on the service that was given. For your trek crews we recommend that you give a tip if you feel that their services have met your satisfaction. As a rough guide we suggest you should allow a total of \$300 - \$350.

It is also customary to tip at restaurants. We recommend a tip of 10% of the bill, which depending on the meals is likely to be approximately US\$3-4 per person.

Additional Information

Due to the nature of the Torres del Paine National Park reservation system for the refugios and campsites, it is essential to book early on this trip. Trips often reach their capacity and we cannot accept more travellers beyond this for a given departure. In addition, final accommodation listings are submitted to the National Park sites around 2 months in advance of the trip and can often not be added to after this due to the very high demand in the National Park. Any bookings received after this point will be subject to availability of these accommodations.

Beat the Jet Lag

Our holidays are normally designed with minimal 'down time' at the start of the trip, but having a day or two at the beginning will have the additional benefit of allowing you time to get over the stress of a long journey or travelling across time zones, leaving you refreshed and ready for your holiday. We can easily arrange for you to have additional nights and airport transfers.

Baggage Allowance

The internal flights to Patagonia allow one piece of checked baggage of 15kg and one hand luggage of 8kg.

Any items that are not required during your trek can be left in your main kitbag at the hotel in Torres del Paine, arranged with your tour leader.

Whilst on the trek (days 3 to 7) you will be required to carry your own kit. We recommend that you carry a 35-40 litre rucksack that will contain spare clothes, minimal wash kit and personal items, water proofs and any other items you will require on trek. You will also need to leave space for the daily lunch box.

If you are camping, rather than staying in the refugios (see accommodation notes), and wish to use your own sleeping bag you will need to carry this yourself and may require a larger rucksack.

Group Size & Holiday Status

For each holiday there is a minimum number of participants required to enable it to go ahead. Once the minimum number is reached, the trip status will change from 'Available' to 'Guaranteed to run'. You can check the trip status for each departure in the 'Dates and Prices' table. Other than in exceptional circumstances, we will not cancel a trip once it has achieved this guaranteed to run status so you are free to proceed with your international flight booking and other travel arrangements.

Flight payment

The LAND ONLY dates and prices are for the itinerary joining in El Calafate. For clients making their own flight arrangements, Calafate airport is the most convenient for transfers to the group hotel. Please refer to the 'Joining arrangements & transfers' section in the trip dossier for further details.

Flights SHOULD NOT be booked until you have received your booking confirmation and the trip is showing 'Guaranteed to Run' or 'Limited'.

General Information

Passport & Visas

The information that we provide is for UK passport holders.

A passport with 6 months remaining validity at the end of your stay is generally required, and you should have at least 2 blank pages for each country that you visit.

For other nationalities, please refer to your own Government website for the latest information.

It is your responsibility to ensure that you have the correct travel documents and visas for your holiday. Please ensure that you check for the latest advice for each country visited before travel.

IMPORTANT INFORMATION FOR THOSE TRANSITING THROUGH THE USA

You will require an ESTA (Electronic System for Travel Authorisation), and you must get this before boarding any US-bound aircraft or ship, or entering on a land border. The fee is USD\$21 and you should apply for it at https://esta.cbp.dhs.gov/esta/. With the ESTA complete, the majority of British Citizen passport holders can enter the US under the Visa Waiver Programme, VWP. You will be required to have a passport with an integrated chip. Note that if you have travelled to Cuba, Iran, Syria or North Korea since March 2011* you will have to apply for a visa rather than the Visa Waiver Programme (* a full and up to date list of countries can be found on the US government website here.)

IMPORTANT INFORMATION FOR THOSE TRANSITING THROUGH CANADA

All citizens (except for USA citizens) will require an eTA (Electronic Travel Authorisation), and you must get this before boarding any Canada-bound aircraft or ship, or entering on a land border. The fee is CAD\$7 and you should apply for it at http://www.cic.gc.ca/english/visit/eta-start.asp

Visa Argentina

UK and USA passport holders do not require a visa for short stays.

Visa Chile

UK and USA passport holders do not require a visa for short stays. USA passport holders will be issued with a tourist card on arrival.

Visa Brazil

UK passport holders do not normally require a visa for short stays.

Citizens of the USA, Canada or Australia

US and Canadian citizens must obtain a Brazil visa prior to arrival if they will be in Brazil for more than 6 hours. For details: https://brazil.vfsevisa.com. (Required for Iguazu Extension).

Health & Vaccinations

If you have a severe allergy please inform the KE office before you travel. We will do all we can to help, but we cannot guarantee an allergy free environment on KE trips. You will need to carry your own treatment for the allergy with you, as 'adrenaline auto-injectors' are not carried as standard by KE leaders and staff. You should inform your leader on arrival of your allergy, and let them know where you keep your adrenaline pen.

Preparing for your Holiday

It makes sense getting additional exercise before coming on a walking or trekking holiday. The fitter you are, after all, the more enjoyable you will find the experience. We would suggest that you adopt a weekly exercise routine. Running, cycling and swimming are good for developing aerobic fitness and better stamina. You should gradually increase your exercise leading up to departure, and we suggest that you try to fit in a number of long walks before departure.

Climate

The vast unbroken stretch of ocean to the west and south of the South American continent leaves the Patagonian Andes exposed to a variety of weather. As you'd expect when travelling to any mountain region you need to be prepared for all conditions. We operate our holidays to Patagonia during the optimum time for trekking when the days are longer and warmer days. During this time the temperatures in El Calafate are around 22°C and in El Chalten around 19°C. These are maximum figures and night temperatures in Patagonia will be colder than this, and occasionally freezing. Patagonia is a wilderness and at times can be windy and it's not unusual to experience all four seasons in a day.

Travel Aware

As a reputable tour operator, KE supports the British Foreign, Commonwealth and Development Office's 'Travel Aware' campaign to enable British citizens to prepare for their journeys overseas. The 'Travel Aware' website provides a single, authoritative source of advice for all kinds of travellers and we recommend that before travel, all KE clients visit the official UK Government website at travelaware.campaign.gov.uk and read the FCDO Travel Advice for their chosen destination. North Americans can also check out the U.S. Department of State website: www.travel.state.gov for essential travel advice and tips.

KE treat the safety and security of all clients as the most important aspect of any trip we organise. We would not run any trip that we did not consider reasonably safe. Should the FCDO advise against travel for any reason, we will contact everyone booked to travel to discuss the situation. We receive regular updates directly from the FCDO and are in constant touch with our contacts on the ground. If you have any questions about government travel advice, please call our office.

Single Use Plastic

KE do not encourage the use of single use plastic items. We are ensuring that our agents all over the world are working together to reduce the problem and educate those around them. We are leading by example in our KE office by reducing our plastic use.

Books

- The Old Patagonian Express. Land of Tempest Paul Theroux.
- Mischief in Patagonia Eric Shipton.
- Travels in a Thin Country Sarah Wheeler.
- The Motorcycle Diaries Ernesto "Che" Guevara.
- The House of the Spirits Isabel Allende.
- In Patagonia Bruce Chatwin.

Maps

Torres del Paine Trekking Map. Zagier y Urruty. 1:80,000

Torres del Paine at 1:80,000 on a waterproof and tear-resistant map from Zagier & Urruty covering the main part of the park and showing trekking trails, routes recommended only with a guide, campsites and refuges, etc. The map covers the main, most visited part of the national park, extending from Lago Dickson and Lago Paine in the north - across the peaks of the Cordillera Paine and the lakes south of it - to Puerto Toro on the northern tip of the Seno Ultima Esperanza, the arrival point by boat from Puerto Natales.

Private Groups Information

Make this KE Adventure holiday your own!

- Do our normal group departure dates not fit?
- Would you prefer to travel with just friends and/or family?
- Are you looking to organise a trip for your local walking, biking or mountaineering club?

It's really easy to make a trip your own. Simply select from our full range of adventure holidays and choose the dates that work for you and your group.

We are experts in creating holidays for groups of friends, families, charities and clubs. Our personal service means you'll be fully involved as we make the arrangements for your perfect adventure holiday.

Independence with Security

Travelling as a KE Private Group allows you more flexibility and choice, but still with the peace of mind that everything is pre-planned and arranged for your group by a reputable adventure travel company.

To take your first step to an amazing adventure with your friends and family complete the private group enquiry form, or call our **Sales Experts on: 017687 73966**

Travel Insurance

It is an essential condition of joining a holiday with KE Adventure Travel that you have a valid travel insurance policy to cover the cost of medical treatment and to protect the value of your holiday in the event of cancellation. When taking out insurance please ensure the policy you choose covers you for the activities and altitude included in your itinerary.

For appropriate insurance cover we recommend Campbell Irvine Direct. Please go to our <u>Travel Insurance</u> page for further information and to get a quote.

Equipment Information

Equipment List

The following checklist should help you with your packing. As a general rule, you should always try to keep the weight of your baggage to a minimum. The maximum weight of your trek-bag should be 15kg.

You should bring the following items:

■ Hiking boots
■ Gaiters
■ Trainers or similar for travelling and camp use
■ Socks
■ Underwear
■ Trekking trousers
■ Waterproof over-trousers
■ Long johns (thermal underwear)
■ Thermal base-layer shirts
■ Casual shirts and/or T-shirts
■ Fleece jacket or warm jumper
■ Waterproof jacket
■ Warm jacket (down)
■ Sunhat
■ Warm hat
■ Sunglasses
■ Daypack 35-40 litre
■ Sleeping bag liner or sheet sleeping bag

- Selection of dry bags
- Headtorch and spare batteries
- Water bottles 1 Litre (x2) (we encourage re-fillable water bottles rather than single use plastic)
- Water purification tablets
- Small towel
- Lightweight thermal gloves
- Warm and waterproof outer gloves or mittens
- Washbag and toiletries
- Sun protection (including total bloc for lips, nose etc.)
- Antibacterial handwash

Basic First Aid Kit, including the following: Antiseptic cream, throat lozenges, diarrhoea treatment (Imodium), painkillers, plasters and blister treatment, insect repellent (DEET), and re-hydration salts (Dioralite). Glucose tablets and multi-vitamin tablets are also a good idea.

The following items are optional:

- Spare laces
- Travel clothes
- Trekking poles
- Pen-knife (note: always pack sharp objects in hold baggage)
- Repair kit (eg; needle, thread, duct tape)
- Small padlock

- Camera
- Reusable cloth bag for shopping (to avoid plastic bags)
- Flip-flops for the shower at the refugios

Notes:

Sleeping bags or suitable bedding, together with sleeping mattresses are provided at the refuges. You should bring a sheet sleeping bag or liner.

Cotswold Outdoor

Many of the equipment items listed above are available from <u>Cotswold Outdoor</u> - our 'Official Recommended Outdoor Retailer'. When you book a holiday with KE you will receive a 12.5% discount with Cotswold Outdoor, Snow+Rock and Runners Need. The discount code can be downloaded from your MyKE account and you can use this code at the checkout, either in store or online.

Land Only Information

Please refer to the 'Joining Arrangements & Transfers' within Holiday Information for further details.

Flights and other transport to your destination should not be booked until you have received your booking confirmation and the departure is showing 'Guaranteed to Run' or 'Limited'.

Land Only Information

The LAND ONLY dates and prices are for the itinerary joining in El Calafate. For clients making their own flight arrangements, Calafate airport is the most convenient for transfers to the group hotel. Please refer to the 'Joining arrangements & transfers' for further details.

Flights SHOULD NOT be booked until you have received your booking confirmation and the departure is showing 'Guaranteed to Run' or 'Limited'.

For Flight Inclusive Package information please select 'With Flights' above the dates and prices table.

Flight Inclusive Information

Limited seats are available at the advertised flight price, please book as early as you can. If we are unable to secure seats at the price shown, or you have requested regional departures and/or upgrades, we will provide you with an alternative quote. It is likely that flight payment will be in advance of your final holiday balance. Booking a flight inclusive package means you will benefit from full financial protection, eases your holiday planning, and leaves us to deal with airlines and schedule changes. If you book flights through KE Adventure Travel we will offset the carbon of your flight.

Regional departures and/or alternative carriers are available on request.

Flight Inclusive Information

The FLIGHT INCLUSIVE package services include international flights from London (Heathrow) to Buenos Aires, an overnight stop in Buenos Aires on both the outbound and inbound legs, and return internal flights onto El Calafate. Outbound flights will depart from the UK in the evening, arriving to Buenos Aires the following morning. Following a night in a Buenos Aires hotel (airport transfers included to/from the hotel) we will fly the following morning to El Calafate, arriving early afternoon (Day 1 of the itinerary).

The return flight will depart from Calafate to Buenos Aires in the afternoon of the last day of the itinerary, staying a night in Buenos Aires (Airport transfers included). We will fly the following day from Buenos Aires to the UK.

Direct flights from London to Buenos Aires with British Airways are available, please contact the office for a quote.

Why Choose KE

Why KE

Combining the very best of the Los Glaciers and Torres del Paine National Parks in Argentina and Chile, this itinerary is for those who want to immerse themselves into the incredible glacial landscape of Patagonia. With a handpicked selection of estancias, refugios and campsites, all picked for their incredibly stunning location, we trek in comfort and style. Our flight inclusive package includes an overnight stopover in Buenos Aires at the start and end of your holiday, allowing us to split the journey and sample this vibrant city, arriving to Patagonia refreshed and ready to explore. Extra nights in Buenos Aires can be arranged either before or after your trip.

Please Note This document was downloaded on 10/05/2025 and the trip is subject to change