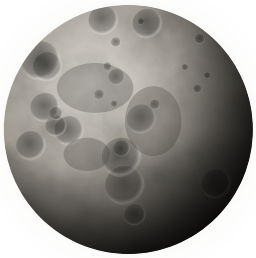


Moon Base 7 and Lunar Excursions — Destination Guide

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Moon Base 7 is the first stop on every Pelorus Voyages itinerary and the primary staging hub for all outer solar system departures. This guide covers everything a passenger needs to know about the layover at Moon Base 7, the three shore excursions available to Grand Solar Tour passengers, and the heritage protection rules that apply at the lunar sites.

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1. Moon Base 7 Overview

Moon Base 7 is a permanent installation operated by the Cislunar Authority, not by Pelorus Voyages. Pelorus Voyages holds licensed berths in the commercial dock sector and has a staffed expedition

coordinator desk in Sector D. The coordinator desk is open throughout all Pelorus Voyages layover windows and is the primary contact point for questions, add-on purchases, waiver processing, and any issues that arise during the stop.

The base is fully pressurised and maintained at Earth-normal atmospheric pressure and composition throughout. Casual clothing is appropriate in all general areas. Surface excursions require suiting up at the excursion outfitter adjacent to the airlock bays; suits are provided as part of each excursion package.

Facilities accessible to Pelorus Voyages transit passengers include the commercial concourse (restaurants, retail, postal services to Earth), the medical certification suite (where Titan cold-suit certifications are processed), the baggage holding and transfer area, and the expedition coordinator desk (where Leap waivers are signed). The main concourse offers direct views of the lunar surface through panoramic windows — the first look at the lunar landscape for most passengers arriving on the Earth-to-Moon transit.

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2. What the Layover Looks Like by Itinerary

Inner Planets Survey (IPS) passengers have approximately four hours at Moon Base 7. This time is used for the vessel transfer (transferring from the Earth-Moon transport to the Perihelion Express) and processing of any outstanding documents. IPS passengers booked on Mars surface excursions complete their EVA suit orientation in person at the Earth departure gate before launch, not at Moon Base 7. IPS passengers do not have time for shore excursions. They transfer directly from the arrival dock to the expedition vessel via the commercial transfer corridor without visiting the general base facilities.

Outer Reaches Tour (ORT) passengers similarly have approximately four hours and follow the same transfer process as IPS passengers. ORT passengers should use this time to complete the Titan cold-suit certification and cardiovascular check at the Medical Certification Suite — both are mandatory for Titan surface access and cannot be completed later in the voyage. The cold-suit certification and cardiovascular check together take approximately 3 hours, so ORT passengers with Titan surface excursion intentions should prioritise this appointment. That leaves little margin in the four-hour ORT window; contact the expedition coordinator at Moon Base 7 check-in to confirm your slot.

Grand Solar Tour (GST) passengers have an extended layover of approximately 18 to 24 hours. This is the only itinerary where lunar shore excursions are available. The layover accommodates EVA orientation, cold-suit certification for Titan, Leap waiver signing, and the lunar excursions. Not all three excursions can be completed in a single layover; most passengers choose two, and combining the Lunar Golf Links with the Tranquility Heritage Tour is typically the most manageable pairing within the window.

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3. Tranquility Base Heritage Site

Tranquility Base is the landing zone of Apollo 11, the first crewed lunar landing on 20 July 1969. It is protected under the Outer Space Heritage Preservation Act of 2041 and is under joint custodianship of the Lunar Heritage Authority and the Smithsonian Institution. Pelorus Voyages is a licensed excursion

operator at the perimeter; passengers are brought by pressurised rover to the marked exclusion boundary and view the site from there.

From the perimeter, the following are visible: the descent stage of the Eagle lunar module, the American flag planted by the astronauts in 1969, several scientific instruments left by the crew, and the field of astronaut footprints preserved undisturbed in the regolith. Because the Moon has no atmosphere and no erosion, these features are identical to how they appeared on the day of landing. The guide will position the rover for optimal angles and can recommend viewing times based on the current sun angle.

Heritage rules at Tranquility Base — these are enforced under the OSHPA 2041 and violations are reported immediately to the Lunar Heritage Authority:

- No approach within the exclusion boundary under any circumstances
- No collection of surface material within the heritage zone, including material found outside the exclusion boundary
- No flash photography within 50 metres of the perimeter flagging
- No drones or remotely piloted aircraft within the heritage zone (extends 2 kilometres beyond the visible perimeter)
- No laser devices directed at the flag, descent stage, or any heritage object

Consequences for violations range from permanent exclusion from heritage sites to criminal prosecution with potential custodial sentences. Pelorus Voyages has no discretion to decline reporting violations.

Photography from the perimeter is unrestricted and the visibility is excellent. Many passengers rate the Tranquility Heritage excursion as the most emotionally significant stop of the voyage — more so than the destinations farther from Earth — because of the specific historical weight of what is preserved there.

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4. Lunar Golf Links at Fra Mauro

The Lunar Golf Links is a three-hole course laid across the Fra Mauro highland basin, near the Apollo 14 landing site. It is the only sanctioned golf course on the Moon and is managed by the Fra Mauro Excursion Authority. Alan Shepard hit the first golf shots on the Moon here in February 1971 — one-handed, in the rigid A7L suit, with a makeshift club head attached to a contingency sample scoop. The Shepard Shot Marker, flagging the locations of Shepard's original impacts, sits approximately 400 metres south of the first tee.

Playing conditions are unlike any Earth course. The Moon's surface gravity is approximately 0.17g — one-sixth of Earth's — which means a well-struck drive travels roughly 1.2 kilometres. The first hole plays 800 metres to the green. The ball follows a long, slow arc with no atmospheric drag and no wind, and reading the lie in the regolith is the primary skill. Compacted dust behaves differently from loose granular material, and the guide will walk passengers through both.

All rounds are played in articulated ClearSuit Pro suits, which allow a full two-handed swing — a significant improvement over Shepard's one-handed attempt. Equipment is provided: six clubs and two balls per player are included in the excursion price. Lost balls are not replaced mid-round, so bring spares if you expect to lose one; balls that land in craters deeper than 2 metres are not retrieved. Personal clubs

may be brought from Earth but count against the passenger's personal mass allowance. Any personal clubs must be presented to the Moon Base 7 equipment desk at least 2 hours before the excursion for pressurisation assessment.

Timing — last tee times for the morning round are 1100. GST passengers are strongly advised to book the morning round. The afternoon last tee time is 1500, and with muster at 90 minutes before departure, any round booked after approximately 1230 creates a timing margin too tight for confidence. The booking confirmation will display the recommended latest tee time based on your specific departure window.

The Shepard Shot Marker — physical approach within 20 metres is prohibited under heritage protection rules. The marker is clearly visible from the course and from the tee box. Drones are prohibited throughout the Fra Mauro zone.

The Lunar Golf Links is included in Navigator and Pathfinder cabin class fares. Pioneer passengers purchase it as an add-on.

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5. Pressurised Rover Tour

The Pressurised Rover Tour is a four-hour surface drive across the regolith plains of Mare Imbrium, departing from Moon Base 7 and travelling northeast toward the crater field near the Fra Mauro uplands. It is available to GST passengers only.

The rover is a 12-seat pressurised vehicle with panoramic side windows and a filtered transparent roof section. Passengers travel inside the pressurised compartment without suits. The wide windows and transparent roof provide unobstructed views of the surface, the Earth visible as a full disc above the lunar horizon, and the stark terminator line between lunar day and night. The terminator moves visibly over the course of a four-hour drive — the Moon's slow rotation makes the advancing shadow perceptible in real time.

Three stops along the route:

The first stop is the Apennine Foothills overlook — an elevated ridge with a 360-degree view of the surrounding mare. The guide explains the geology of the impact basins and the origin of the mare's relatively smooth surface compared to the heavily cratered highlands.

The second stop is a crater-side viewing area at a relatively fresh 2-kilometre impact crater. The guide covers lunar impact geology: no atmosphere means no weathering, no erosion, no geological recycling, so craters persist indefinitely. The surface preserves an unbroken record of solar system bombardment stretching back 4 billion years.

The third stop is an optional brief EVA — 10 minutes maximum — where passengers who completed the EVA suit orientation may step outside onto the lunar surface. EVA participation is not required; passengers who prefer to remain in the rover are welcome to do so.

Return from the third stop to Moon Base 7 takes approximately 45 minutes. The rover must be in the Bay 3 vehicle lock at least 30 minutes before the muster deadline. The rover guide manages this timing and

will curtail the EVA stop if necessary to ensure on-time return. The tour cannot be extended under any circumstances.

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6. Planning Your Moon Base 7 Layover

GST passengers choosing two excursions — the Golf Links and Tranquility Heritage Tour is the most recommended pairing. Combined time including transit is approximately 5 to 6 hours, comfortably within the 18 to 24-hour layover. The rover tour and the golf together also work, but combining the rover tour and the Heritage Tour at the same layover leaves less slack in the schedule.

Required processing at Moon Base 7 — regardless of which excursions you choose, the following must be completed during the Moon Base 7 stop:

- EVA suit orientation (GST passengers planning surface EVA excursions; approximately 90 minutes)
- Titan cold-suit certification and cardiovascular check (ORT and GST passengers who intend the Titan surface excursion; approximately 3 hours)
- Leap waiver signing (any passenger intending to do The Leap at Ceres; must be done here, not at Ceres)

The Titan certification in particular should be your first priority at Moon Base 7 if you are an ORT or GST passenger who intends the Titan excursion. The medical suite books up during peak layover windows; contact the expedition coordinator at check-in to confirm your slot.

Gravity note — arriving on the Moon after 2 days of 0.15g transit feels noticeably heavier. The Moon's surface gravity (0.17g) is slightly higher than the transit environment, and the activity level of the excursions is higher than resting aboard the vessel. Most passengers adapt within minutes but some experience mild fatigue during the first excursion. Eat before going out; the excursion schedule rarely accommodates a mid-excursion meal stop.

Pelorus Voyages Passenger Services. Questions about this guide can be raised through the account portal. Guides are reviewed each year; the version published in the account portal is the current one.

