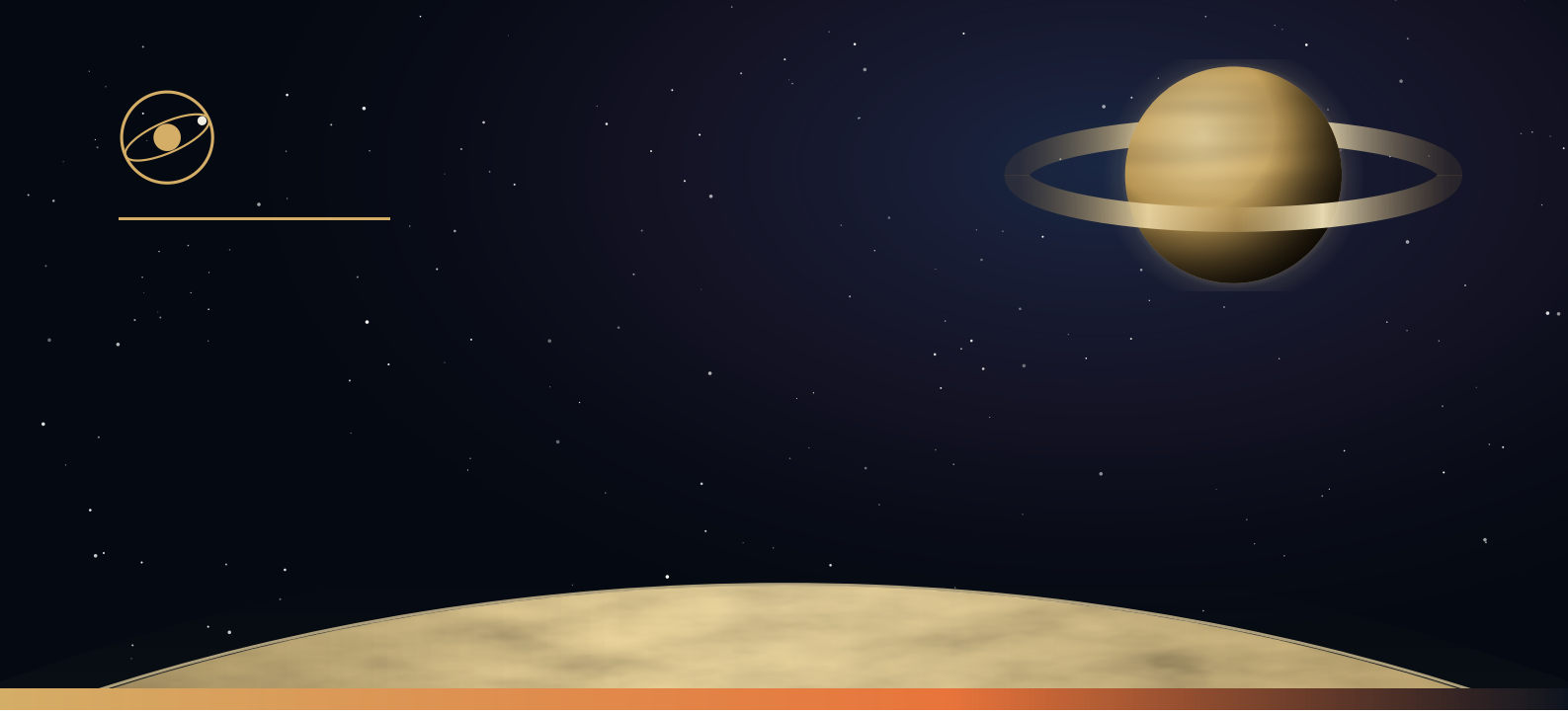
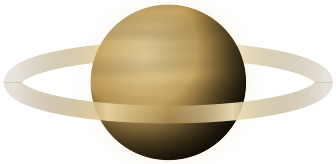


Grand Solar Tour — Complete Voyage Guide

Pelorus Voyages Voyage Guides · For 2042–43 departures · Issued 5 April 2042



The Grand Solar Tour is the flagship 38-day expedition visiting every Pelorus Voyages destination: Moon Base 7 with shore excursions, Mars Colony 1, The Aphrodite at Venus, Ceres Waystation, Saturn Ring Transit, Titan Ice Flats, and Enceladus Geyser Flyover. It is the longest and most comprehensive itinerary Pelorus Voyages offers. This guide covers every leg with practical guidance on what to expect and how to plan.

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1. Voyage Overview

Duration: 38 days
Itinerary: Earth → Moon Base 7 → Mars Colony 1 → The Aphrodite (Venus) → Ceres → Saturn → Titan → Enceladus → Earth
Propulsion: Continuous-thrust fusion drive, 0.15g
Departure: Earth Launch Terminal 7, Gate 22

The Grand Solar Tour visits every destination in the Pelorus Voyages portfolio. It is the only itinerary with access to Moon shore excursions (including the Lunar Golf Links, Tranquility Heritage Tour, and Pressurised Rover Tour); it visits both the inner planets (Mars and Venus) and the outer system (Ceres, Saturn, Titan, Enceladus). Passengers completing a GST in Pathfinder class typically earn enough Orbital Points to reach Pathfinder loyalty tier in a single voyage.

The GST requires the most pre-voyage preparation of any itinerary. Moon Base 7 on Day 3 has more mandatory processing — certifications, waivers, EVA orientation — than on any other itinerary. Read Section 4 of this guide carefully before departure.

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2. Day-by-Day Schedule

Day	Stop / Leg	Duration	Included excursions (NCL/PFL)	EVA available	Transit to next stop
1–2	Earth → Moon Base 7	2 days	—	No	—
3	Moon Base 7 extended layover	~20 hours	Tranquility Heritage; Lunar Golf Links; Pressurised Rover Tour (choose 1–2)	Yes (surface suits)	Moon → Mars, 4 days
4–7	Moon → Mars Colony 1	4 days	—	No	—
8–10	Mars Colony 1 stay	3 nights	Cydonia Highlands; Hellas Basin Overlook; Terraforming Operations Zone	Yes (surface EVA)	Mars → Venus, 3 days
11–13	Mars → Venus	3 days	—	No	—

14–16	Venus — The Aphrodite	3 nights	Pool and sun deck; Glass Floor Tour; Venus Science Centre	No — pressurised	Venus → Ceres, 4 days
17–20	Venus → Ceres	4 days	—	No	—
21	Ceres Waystation	6 hours	Surface Gravity Walk; Occator Crater Rim tour	Yes (tethered)	Ceres → Saturn, 5 days
22–26	Ceres → Saturn	5 days	—	No	—
27	Saturn Ring Transit	6 hours	Ring observation (deck)	No	Saturn → Titan, 8 hours
27–28	Saturn → Titan	8 hours	—	No	—
28	Titan Ice Flats	8 hours	Ice sports: skating, sled racing, long-jump	Yes (cold-suit)	Titan → Enceladus, 20 hours
29	Titan → Enceladus	20 hours	—	No	—
29	Enceladus Geyser Flyover	4 hours	Geyser plume observation (deck)	No	Enceladus → Earth, 8–9 days
30–38	Enceladus → Earth return	8–9 days	—	No	—
38	Earth arrival	—	—	—	—

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3. Earth to Moon Base 7 (Days 1–2)

Earth departure burn: 45 minutes, peak 2.2g for the first 8 minutes. All passengers secured in berths during the burn. After the burn, 0.15g transit gravity to the Moon. Adaptation period begins.

The Earth-Moon transit is also when the voyage's EVA orientation can begin — the EVA systems officer may run an introductory orientation session during this 2-day leg if scheduled. For GST passengers who will be doing the Moon Base 7 shore excursions, EVA orientation must be completed before Day 3 surface activities.

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4. Moon Base 7 Extended Layover (Day 3)

The GST layover at Moon Base 7 is approximately 18 to 24 hours — the longest of any itinerary. It is also the most logistically complex stop of the entire voyage. Everything that needs to happen at Moon Base 7 must happen here; there is no return.

Mandatory processing items on Day 3: - EVA suit orientation (if not completed during the Day 1–2 transit; approximately 90 minutes; must be done before any shore excursion) - Titan cold-suit certification at the Medical Certification Suite (approximately 3 hours together with the cardiovascular check;

mandatory for Titan surface excursion) - Titan cardiovascular fitness check (conducted at same appointment as cold-suit certification) - Leap waiver signing (if intending The Leap at Ceres on Day 21)

Shore excursions available (NCL/PFL included; PCL add-on): - Tranquility Base Heritage Site perimeter tour (~3 hours including transit) - Lunar Golf Links at Fra Mauro (~4–5 hours including transit) - Pressurised Rover Tour (~4.5 hours)

Most passengers can complete two of the three excursions within the 18–24 hour layover after mandatory processing. **Golf Links + Tranquility Heritage** is the recommended pairing. The rover tour and golf together also work. Combining all three is usually too tight.

Recommended Day 3 schedule: - Arrival: proceed immediately to the Medical Certification Suite for Titan certification and cardiovascular check (approximately 3 hours) - Sign Leap waiver at the expedition coordinator desk - Complete EVA orientation if not done on transit - Excursions in the remaining window - Rest before the Moon-to-Mars departure

The Golf Links last tee time for the morning round is 1100. GST passengers should book the morning round only — the afternoon round creates timing margins too tight for comfortable muster.

Muster: 90 minutes before departure, Bay 3 Airlock, Level B. Golf Links last tee time must be booked no later than 2 hours before muster.

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5. Moon to Mars Colony 1 (Days 4–7)

Four-day transit. The science officer delivers the Mars destination briefing during this leg. The Mars stay (Days 8–10) has the most potential decision points of any segment of the GST; attending this briefing and thinking through your Mars day schedule before arrival matters.

Pathfinder passengers who intend the Olympus Mons Caldera Rim hike should confirm the Olympus Fitness Test schedule during this transit. The test should be booked for Day 8 morning (arrival day at MC-1), allowing 48 hours before a Day 10 hike.

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6. Mars Colony 1 Stay (Days 8–10)

Three nights. Gravity: 0.38g. Surface EVA available. Navigator/Pathfinder: Cydonia, Hellas, Terraforming included.

Day 8: Arrival and gravity adjustment. EVA suit briefing (Mars-specific; Moon orientation does not substitute). Olympus Fitness Test for Pathfinder passengers — book for first morning.

Day 9: Main excursion day. The Hellas Basin Overlook sunrise excursion departs around 0430 local time. Cydonia and Terraforming can be combined in a full day.

Day 10: Second excursion day. Caldera Rim hike for Pathfinder passengers who passed the fitness test. Other passengers use Day 10 for any remaining excursions.

Muster: 60 minutes before departure, MC-1 Airlock Bay B. EVA suit return takes 10 to 15 minutes; end excursion activity at least 75 minutes before departure.

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7. Mars to Venus (Days 11–13)

Three-day transit. The science officer's Venus briefing runs on Day 12. The Gondola Descent cannot be booked during the voyage: it must be booked before departure (add-ons close 48 hours before the Earth departure window), and the gondola typically fills well in advance.

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8. The Aphrodite — Venus (Days 14–16)

Three nights. Gravity: 0.88g. Pool, sun deck, Glass Floor Tour, Gondola Descent, Science Centre.

Day 14: Arrival and wellness orientation. Pool and Science Centre recommended for the arrival day.

Day 15: Main experience day. Glass Floor Tour and Gondola Descent if booked. Glass floor fills 3 weeks in advance; gondola holds 8 passengers, with a priority booking window for Pathfinder loyalty tier members.

Day 16 (departure): Pool and sun deck close 45 minutes before departure. Gondola must begin its return ascent by 90 minutes before departure. Glass floor final group exits by 60 minutes before departure. Muster: Docking Pier 1, Resort Deck 2, 30 minutes before departure.

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9. Venus to Ceres (Days 17–20)

The Venus-to-Ceres transit is 4 days and connects the inner system sequence to the outer system. By Day 20, light delay to Earth is 4 to 20 minutes one-way. This is the leg where the solar system starts to feel genuinely large — Earth is behind you, and the outer system ahead.

The science officer delivers the Ceres briefing during this transit. The communications relay briefing also typically runs here — passengers learn what to expect from the progressively longer light delays that characterise the outer system legs.

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10. Ceres Waystation (Day 21)

Six hours. Gravity: 0.03g — the most extreme low-gravity environment of the GST. Surface walk, Occator Crater Rim, The Leap (if waiver signed on Day 3).

Critical deadline: The Leap platform closes 60 minutes before the departure window, not 45. If combining the Occator Crater Rim and The Leap, confirm with the expedition coordinator that the timing is achievable given any mining operations schedule.

Tether return at equipment station adds 10 minutes. General muster: 45 minutes before departure, Waystation Hub Central, Dock 4.

For full Ceres detail: see the Ceres Destination Guide.

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11. Ceres to Saturn (Days 22–26)

Five days — the longest outbound transit of the GST. Light delay reaches 43 to 84 minutes one-way by Day 26. Real-time conversation with Earth is no longer feasible. Plan any time-sensitive Earth communications for Day 21 at the Ceres Waystation, which has the best communications relay in the outer system.

Saturn becomes visible from the observation deck as a distinct disc with visible ring geometry during the approach. The science officer's Saturn, Titan, and Enceladus lectures run during this transit.

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12. Saturn Ring Transit (Day 27)

Six hours in the ring plane. Observation deck open all 6 hours; outer deck sealed. Saturn subtends approximately 30 degrees of sky at ring distance. The ring illumination quality is specified in the voyage manifest. Observation deck closes 30 minutes before the ring exit burn.

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13. Saturn to Titan (Days 27–28)

Eight-hour hop. Titan becomes large in the approach, its thick orange nitrogen atmosphere distinct from any other moon in the solar system.

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14. Titan Ice Flats (Day 28)

Eight hours. Gravity: 0.14g. Temperature: minus 179°C. Cold suit mandatory. Ice sports: skating, sled racing, long-jump.

95-minute rule: mandatory cold-suit decontamination takes 20 minutes before muster processing. The posted muster deadline is 75 minutes; the effective minimum return time from surface is **95 minutes** before the departure window. This is the most commonly missed deadline on the GST.

Cold-suit certification and cardiovascular check: must have been completed on Day 3 at Moon Base 7. No exceptions.

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15. Titan to Enceladus and Geyser Flyover (Day 29)

Twenty-hour transit to Enceladus, then the 4-hour encounter with the southern plume field. No EVA, no surface access — planetary protection protocols set the 25-kilometre approach altitude. The plume coats observation windows; cleaning takes 4 hours after the encounter.

The Enceladus encounter closes the outer system sequence. Many GST passengers describe the departure from Enceladus as a distinctive moment — the beginning of the longest return transit, with 8 to 9 days between Enceladus and Earth.

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16. Enceladus to Earth Return (Days 30–38)

Eight to 9 days. The longest stretch without a destination stop. The return arc does not retrace the outbound route. The bar hosts the voyage retrospective event during this leg — by this point, the voyage community has had 30 days together, and the social energy of the return transit is typically the highest of any point in the voyage.

Earth gravity on arrival (Day 38) feels genuinely heavy after 38 days in reduced gravity. Plan for rest on arrival day.

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17. Premium Add-Ons

Add-on	Eligibility	Age	Special requirement
Olympus Mons Caldera Rim hike	Pathfinder only	18+	Olympus Fitness Test at MC-1, min. 48 hrs before hike (Day 8 test, Day 10 hike)
Venus Gondola Descent	All classes	16+	Separate cardiovascular clearance; book before departure; Pathfinder loyalty tier 48-hr priority booking window
Ceres — The Leap	All classes	16+	Waiver signed at Moon Base 7 (Day 3 only)

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18. GST Planning Checklist

Before booking: - [ ] Medical clearance (90-day validity; time for departure date) - [ ] Gondola cardiovascular clearance if intending the descent (same physician visit as standard clearance)

After booking: - [ ] Book Glass Floor Tour immediately (fills 3 weeks out in peak season) - [ ] Book Gondola Descent before departure (8 max; Pathfinder loyalty tier 48-hour priority window) - [ ] Book Moon Base 7 lunar excursions (Golf fills; Heritage tour fills; choose priority excursions) - [ ] Register dietary requirements and medications in portal - [ ] Complete online training programme (14 days before departure)

Pre-departure: - [ ] Pre-departure health check at Terminal 7, Medical Suite B, within 72 hours - [ ] Gate 22 at 3 hours before departure window

Day 3 — Moon Base 7 (do in this order): - [ ] Proceed to Medical Certification Suite first - [ ] Titan cold-suit certification - [ ] Titan cardiovascular fitness check - [ ] Sign Leap waiver at coordinator desk - [ ] Complete EVA orientation if not done on Days 1–2 transit - [ ] Shore excursions in remaining window

Day 8 — Mars Colony 1 arrival: - [ ] Book Olympus Fitness Test for Day 8 morning (Pathfinder)

Before Venus arrival: - [ ] Confirm Gondola Descent booking is on file

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