



Terceira Island, Azores

Lajes Air Field

ATom Deployment Guide

(revised February 2018)

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BEFORE ARRIVAL

TRAVEL DOCUMENTATION

Citizens of the US, EU, GB, Australia and Canada do not require visas to enter Portugal.

CDC RECOMMENDATIONS

The Center for Disease Control recommends that all travelers have their routine vaccinations (MMR, diphtheria-tetanus-pertussis, chickenpox, polio and a yearly flu shot). Further, the CDC recommends some travelers get a hepatitis A vaccination.

CURRENCY

Portugal's currency is the Euro. The exchange rate as of the writing of this document was 1 USD = .81 EU.

SITE ORIENTATION

Google Maps provides very accurate information regarding the island of Terceira. Please refer to the maps at the end of this section for a general orientation and how to get to your hotel from the airfield. Keep your passport safely stored and carry a photocopy of your passport with you at all times.

As a U.S. government aircraft the DC-8 will be parked at the ALPHA 2 location on the military side of the airfield. Upon arrival, personnel will receive a Lajes Air Field identification badge and will walk to the Air Terminal Operations Center (ATOC, building T-709) with their luggage for Customs and Immigration processing. After Customs and Immigration processing, those who need to pick up rental cars will be taken to the car rental desks on the commercial side of the airport by Dave Jordan in a 9-passenger van. It will take more than one trip. The plan for those who do not need to pick up rental cars is to have them take the Motor Pool buses to their hotel. If this plan changes you will be notified. Upon returning to the military side of the airfield those with cars will need to park at the visitor's office (to the right of the gate) and get a car pass. You will need your Lajes Air Field Identification badge and the vehicle information from the car's glove box. On instrument access days, all personnel will park at Building T-810 and, with their Lajes Air Field Identification badge and high visibility vest, walk to the aircraft. Dry ice and liquid nitrogen will be stored in building T-715 and transported to the aircraft.

ESPO SITE SUPPORT

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Dave Jordan (Site Manager)	+1 (650) 417 8812	dave.e.jordan@nasa.gov
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PER DIEM

Current Per Diem rates as set by the Department of Defense:

<http://www.defensetravel.dod.mil/site/perdiemCalc.cfm>.

Per diem rates in Portugal change regularly. Check the DoD per diem website prior to submitting expense reports for changes.

Locality	Maximum Lodging	Local Meals	Local Incidental	Maximum Per Diem	Effective Date
PORTUGAL [OTHER]	107	57	14	178	03/01/18

* All rates are in US Dollars

SCHEDULE

Monday, May 14	Tuesday, May 15	Wednesday, May 16	Thursday, May 17
Arrival from Recife (20:15)	Instrument access (08:00-16:00)	Instrument access (08:00-16:00)	Departure for Thule (09:30)

DAILY SCHEDULE

While work and aircraft access schedules will generally follow normal business hours (08:00-16:00) schedule details and updates will be posted to the list serve and posted on the ATom website -

<https://espo.nasa.gov/atom>.

LODGING

ESPO has booked rooms in three hotels this time. The aircraft flight and ground crew will be staying at Atlantida Mar hotel and the science crew will be split between the Varandas do Atlantico and Hotel Praia Marina hotels. You will receive an e-mail notifying you of which hotel you're staying in and including your confirmation number.

TRANSPORTATION

RENTAL CARS

ESPO has made arrangements with three rental car companies (AngrAuto, Ilha Verde and Ilha 3) and cars will be picked up on the commercial side of the airport. If you have a rental car reserved in Lajes you will receive an e-mail with the details prior to your arrival. Upon returning to the military side of the airfield those with cars will need to park at the visitor's office (to the right of the gate) and get a car pass. You will need your Lajes Air Field Identification badge and the vehicle information (i.e., registration and proof of insurance from the car's glove box).

COMMUNICATIONS

INTERNET

All hotel rates include access to internet.

- The Portugal country code is 351
- The Terceira code is 295

- To call a U.S. number while in Portugal enter the plus sign, then 1 then the 10 digit phone number
- To call a local number while in Portugal from a U.S. cell phone enter the plus sign, then 351, then 295 then the local number

ELECTRICAL POWER

Electrical power at the hotels in Praia da Vittoria is 230V/50Hz. The plug type used is "Type F".

Take care when plugging in your electronic devices. Bring universal plug adapters with you.

Unlike at the hotels, power is delivered on base at Lajes Air Field as in the U.S. (i.e., 120V/50Hz, Type A/B (U.S.) style outlets)

In Portugal the power sockets used are of type F:



Type F: This socket also works with plug C and E

AIRCRAFT ACCESS

It is anticipated that the aircraft will again be parked in the ALPHA 2 ramp area, which is the ramp area closest to building T-709. You will be able to park on the side of building T-709 that faces the main road and walk to/from the aircraft. You will need to have your Lajes Air Field Identification badge, wear your ATom Badge and a reflective vest whenever you are on the ramp and/or walking to/from the DC-8. ATOC personnel will facilitate getting to the airfield side of the fence. An escort for ATom badged people is not required. The ramp is an active area of the airport and can be quite dangerous if you don't keep in mind where you are and stay alert for operational aircraft. The LN2 and dry ice will again be stored in building T-715 and transported to the aircraft using a vehicle.

AIRFIELD SAFETY

- Always use Personal Protective Equipment when handling hazardous products/materials or performing tasks that require additional protection (i.e., transferring LN2)
- You are NOT allowed free roaming on the aircraft ramp
- No open-toed shoes are allowed on the ramp or aircraft.
- Be extremely aware of aircraft and trip hazards when walking to the aircraft.
- Photographs of airport operations are ***not*** permitted.

SHIPPING

We were told to allow ***at least*** a week for shipping through FedEx or DHL.

Please coordinate all unscheduled shipments to and from Terceira Island with the ESPO site manager, Dave Jordan (contact info above).

HEALTH

Dial 112 for all emergencies.

HOSPITALS & CLINICS

The main hospital on Terceira Island is Hospital de Santo Espírito da Ilha Terceira. The hospital is right off of the "Via Rapida" (VR) just outside of Angra do Heroísmo – the largest city on Terceira Island. The VR is the main highway connecting Praia and Angra. The hospital is about a 20-minute drive from Praia. The hospital provides comprehensive medical and emergency care 24/7.

STORES/RESTAURANTS

There is a large full-service supermarket called Continente (open daily from 08:30-22:00) just outside the Praia town center that has a small pharmacy and also sells office supplies, power adapters, batteries, etc. Next to Continente is Worden, a consumer electronics store that sells some computer peripherals.

Praia has several restaurants along Avenida Beira Mar, which is a small street that runs along the shoreline. On the streets running up from the shoreline are ATMs, pharmacies and various shops.

UPON DEPARTURE

Passports will be collected the day before departure. As in the past, breakfast will be available at the hotels beginning at 06:00. Preflight for the departure to Thule will begin approximately three hours prior to takeoff. People with cars should drop passengers and luggage off at the front gate of the air base and drive back to the commercial side of the airport to drop off their car. Erin will be outside the rental car center to shuttle people dropping cars off back to the front gate. Dave will have the 9-passenger van and shuttle people from the front gate to Building T-709. People will walk, with their luggage, from building T-709 to the aircraft. You will be asked to hand off your passports to be processed. They will be returned to you at the aircraft. ***If this plan changes you will be notified via e-mail from the Site Manager prior to your arrival in Terceira.***

You are responsible for obtaining the food you want to take on the outbound flight. The options available are getting food to go from the hotel or buying food at a local supermarket.

WEATHER

The average wind speed varies from 14 mph (January) to 8 mph (August). The probability of precipitation at some point in the day varies from 71% in February to 43% in July. The average daily low temperature varies from 54° (February) to 67°F (August) and the average daily high temperature varies from 62°F (February) to 77°F (August).

NATURAL HAZARDS/EMERGENCY PLANS

EARTHQUAKES

Please review the Earthquake preparedness guidelines from the CDC below before the deployment.

If a major earthquake occurs during our stopover in American Samoa,

- On base - The team will follow the instructions of 65th Operations Support Squadron.
- At hotel or elsewhere - Shelter in place using the CDC guidelines.

Following an earthquake, all team members must check in with the ESPO site manager when it is safe to do so (either in person or by phone). The ESPO site manager will do a head count to ensure that everyone on the team is safe and accounted for.

DURING AN EARTHQUAKE (FROM CDC.GOV)

Indoor Safety

If you are inside, stay inside. DO NOT run outside or to other rooms during shaking.

In most situations, you will reduce your chance of injury from falling objects and even building collapse if you immediately:

- DROP down onto your hands and knees before the earthquake knocks you down. This position protects you from falling but allows you to still move if necessary.
- COVER your head and neck (and your entire body if possible) under the shelter of a sturdy table or desk. If there is no shelter nearby, get down near an interior wall or next to low-lying furniture that won't fall on you, and cover your head and neck with your arms and hands.

HOLD ON to your shelter (or to your head and neck) until the shaking stops. Be prepared to move with your shelter if the shaking shifts it around.

DO NOT stand in a doorway. You are safer under a table. In modern houses, doorways are no stronger than any other part of the house. The doorway does not protect you from the most likely source of injury—falling or flying objects. Most earthquake-related injuries and deaths are caused by falling or flying objects (e.g., TVs, lamps, glass, bookcases), or by being knocked to the ground.

You can take other actions, even while an earthquake is happening, that will reduce your chances of being hurt.

- If possible within the few seconds before shaking intensifies, quickly move away from glass and hanging objects, and bookcases, china cabinets, or other large furniture that could fall. Watch for falling objects, such as bricks from fireplaces and chimneys, light fixtures, wall hangings, high shelves, and cabinets with doors that could swing open.
- If available nearby, grab something to shield your head and face from falling debris and broken glass.

- If you are in the kitchen, quickly turn off the stove and take cover at the first sign of shaking.

If you are in bed, hold on and stay there, protecting your head with a pillow. You are less likely to be injured staying where you are. Broken glass on the floor has caused injury to those who have rolled to the floor or tried to get to doorways.

Outdoor Safety

If you are outside, stay outside, and stay away from buildings utility wires, sinkholes, and fuel and gas lines.

The area near the exterior walls of a building is the most dangerous place to be. Windows, facades and architectural details are often the first parts of the building to collapse. Also, shaking can be so strong that you will not be able to move far without falling down, and objects may fall or be thrown at you. Stay away from this danger zone--stay inside if you are inside and outside if you are outside.

If outdoors, move away from buildings, utility wires, sinkholes, and fuel and gas lines. The greatest danger from falling debris is just outside doorways and close to outer walls. Once in the open, get down low (to avoid being knocked down by strong shaking) and stay there until the shaking stops.

TSUNAMIS

If a tsunami warning takes effect during our stopover on Terceira Island,

- At airport - The team will follow the instructions of airport management and the airport Emergency Operations Staff.
- At hotel - Move in an orderly, calm and safe manner to a higher floor if necessary and follow the advice of local emergency and law enforcement authorities.
- Elsewhere - If you are at the beach or near the ocean and you feel the earth shake, move immediately to higher ground. DO NOT wait for a tsunami warning to be announced. Stay away from rivers and streams that lead to the ocean, as you would stay away from the beach and ocean in the event of a tsunami. A tsunami from a local earthquake could strike some areas before a tsunami warning could be announced.

When the situation has stabilized, all team members must check in with the ESPO site manager (either in person or by phone). The ESPO site manager will do a head count to ensure that everyone on the team is safe and accounted for.

MAPS



Route to get from the first round-a-bout to either the Varandas Atlantico or the Praia Marina Hotels

4 min (1.5 km)

via EN1-1A

4 min without traffic

EN1-1A 111

Praia da Vitória, Portugal

↑ Head east on EN1-1A

26 m

📍 At the roundabout, continue straight

700 m

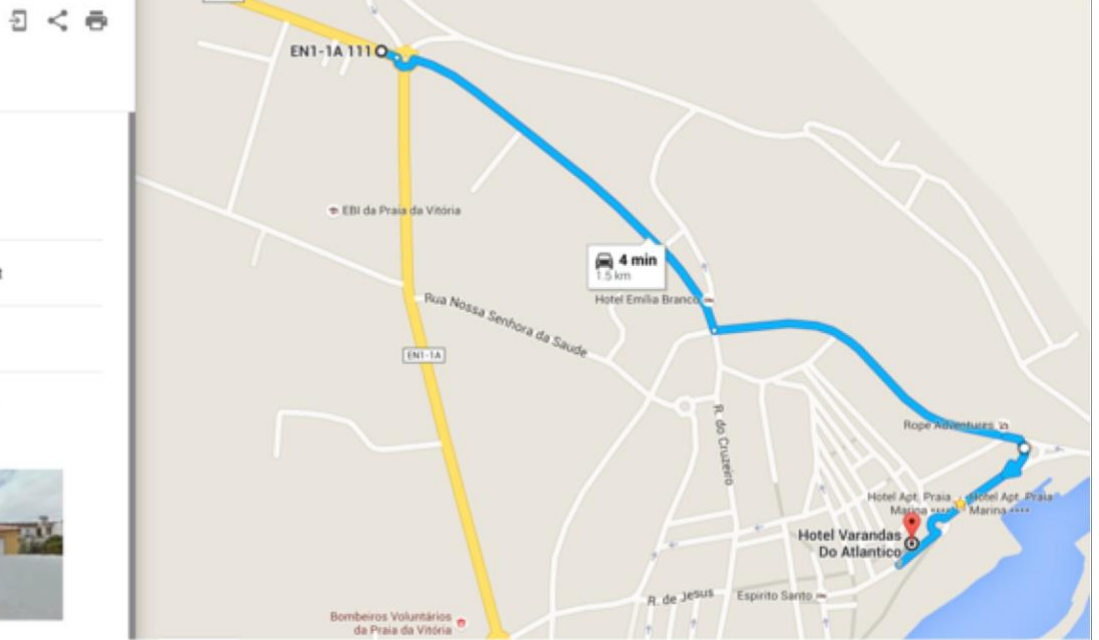
↩ Turn left

550 m

📍 At the roundabout, take the 1st exit

➡ Go through 1 roundabout

➡ Destination will be on the right



Route to get from first round-a-bout to Atlântida Mar Hotel

4 min (2.0 km)

via EN1-1A

4 min without traffic



EN1-1A 111

Praia da Vitória, Portugal

↑ Head east on EN1-1A

37 m

📍 At the roundabout, take the 1st exit and stay on EN1-1A

➡ Go through 2 roundabouts

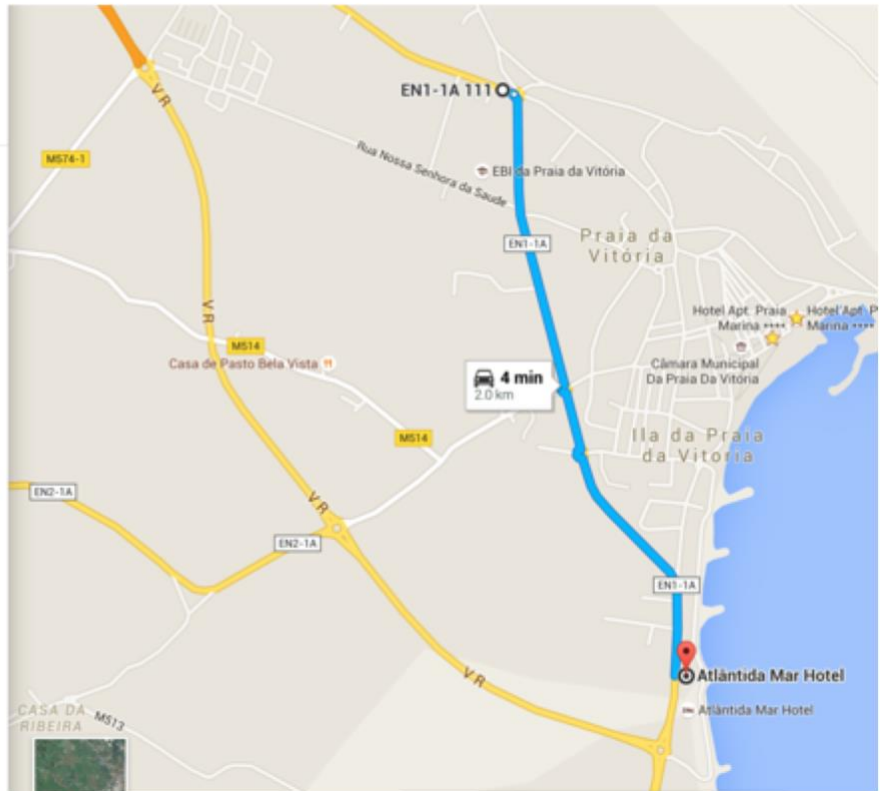
➡ Destination will be on the left

2.0 km

Atlântida Mar Hotel, Rua Boavista, 9 - Praia da Vitória

9760-557, Portugal

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.





PRAIA DA VITÓRIA

- 1 Igreja Matriz / Main Church / Iglesia Principal / Hauptkirche DE
- 2 Igreja do Santo Cristo / Church of Santo Cristo / Iglesia de Santo Cristo / Kirche DE
- 3 Casa do Tio Doctor Vitorino Nereu de / Aunt's House Doctor Vitorino Nereu de / Casa do Tio Doctor Vitorino Nereu de / Haus DE
- 4 Museu do Santos Escrivão Vitorino Nereu de / Museu do Santos Escrivão Vitorino Nereu de / Museu do Santos Escrivão Vitorino Nereu de / Museum DE
- 5 Casarão Vitorino Nereu de / Vitorino Nereu de House / Casarão Vitorino Nereu de / Haus DE
- 6 Museu de Vitorino Nereu de / Vitorino Nereu de House / Museu de Vitorino Nereu de / Haus DE

- 7 Auditório do Ramo Grande / Ramo Grande Auditorium / Centro Cultural do Ramo Grande / Ramo Grande Kulturzentrum DE
- 8 Academia de Arvante da Praia de Vitória / Praia de Vitória Acadêmicos / Associação Juvenil de Praia de Vitória / Praia de Vitória Jugendclub DE
- 9 Companhia de Telecomunicações / Post Office / Poste DE
- 10 Bombeiros / Fire Department / Bombeiros / Feuerwehr DE
- 11 PSP - Polícia de Segurança Pública / Police / Polizei DE
- 12 G.N.R. - Guarda Nacional Republicana / Portuguese National Guard / Guarda Nacional Republicana / Portugiesische Nationalgendarmerie DE

- 13 Tribunal / Court House / Tribunal / Gericht DE
- 14 Mercado Municipal / Market / Mercado Municipal / Markt DE
- 15 Jardim Público / Garden / Jardim / Garten DE
- 16 Parque Ambiental do Paço / Paço Environmental Park / Parque Ambiental do Paço / Umweltpark von Paço DE
- 17 Paróquia do Imaculado / Immaculate Parish / Paróquia do Imaculado / Pfarrei DE
- 18 Clube Naval / Nautical Club / Club Naval / Yachtclub DE
- 19 Marina / Marina / Port de Plaisance / Yachtclub DE
- 20 Hipódromo / Supermarket / Supermercado / Supermarkt DE



- 21 Museu / Museum / Museu / Museum DE
- 22 Monumento / Monument / Monument / Denkmal DE
- 23 Academia / Academy / Academia / Akademie DE
- 24 Fábrica / Light House / Fariol / Leuchtturm DE
- 25 Câmara Municipal / Town Hall / Câmara / Rathaus DE
- 26 Biblioteca / Library / Biblioteca / Bibliothek DE
- 27 Reservas Naturais e Paisagens Protegidas / Nature Reserves and Protected Areas / Reservas Naturais e Paisagens Protegidas / Natur- und Landschaftsschutzgebiete DE
- 28 Parque Florestal / Forest Park / Parque Florestal / Waldpark DE
- 29 Jardim Botânico / Botanical Garden / Jardim Botânico / Botanischer Garten DE
- 30 Fontanários / Fountains / Fontanários / Fontänen DE
- 31 Pedreiras e Lavandarias / Pedreiras / Lavandarias / Steinbrüche / Wäschereien DE
- 32 Miradouro / Viewpoint / Miradouro / Aussichtspunkt DE
- 33 Praça Comercial / Commercial Park / Praça Comercial / Marktplatz DE
- 34 Ponta de Pesca / Fishing Port / Ponta de Pesca / Fischerhafen DE
- 35 Marina / Marina / Port de Plaisance / Yachtclub DE
- 36 Praia / Beach / Praia / Strand DE
- 37 Piscina Natural / Natural Swimming Pool / Piscina Natural / Naturschwimmbecken DE
- 38 Piscina / Swimming Pool / Piscina / Schwimmbad DE
- 39 Parque Subaquático / Underwater Park / Parque Subaquático / Unterwasserpark DE
- 40 Campos de Golfe / Golf / Golf DE
- 41 Campos de Tênis / Tennis Court / Campos de Tênis / Tennishof DE
- 42 Centro Hípico / Horse Riding Centre / Centro Hípico / Reiterzentrum DE
- 43 Campo de Tiro / Shooting Range / Campo de Tiro / Schießstand DE
- 44 Piscinas / Fishing Sites / Piscinas / Fischerei DE
- 45 Passarela Pedestre / Walking Trail / Passarela Pedestre / Wanderweg DE
- 46 Observação de Aves / Birdwatching / Observação de Aves / Vogelbeobachtung DE
- 47 Parque de Campismo / Camping Park / Parque de Campismo / Campingplatz DE
- 48 Parque de Menoridade / Minor Park / Parque de Menoridade / Minderjährigenpark DE
- 49 Cadeado Oficial / Official Lock / Cadeado Oficial / Amtsschloß DE
- 50 Alojamento Turístico / Accommodation / Alojamento Turístico / Unterkunft DE
- 51 Parque Infantil / Playground / Parque Infantil / Spielplatz DE
- 52 Farmácia / Pharmacy / Farmácia / Apotheke DE
- 53 Hospital / Hospital / Hospital / Krankenhaus DE
- 54 Alameda de Combustível / Fuel Station / Alameda de Combustível / Tankstelle DE
- 55 Parque de Estacionamento / Parking Lot / Parque de Estacionamento / Parkplatz DE
- 56 Autocarro / Bus / Autocarro / Bus DE
- 57 Aeroporto / Airport / Aeroporto / Flughafen DE
- 58 Tiro / Shooting / Tiro / Schießen DE
- 59 Posto de Turismo / Tourist Office / Posto de Turismo / Fremdenverkehrsamt DE
- 60 Jardim e Praça / Garden / Jardim / Park DE
- 61 Área Pedestre / Pedestrian Area / Área Pedestre / Fußgängerzone DE