

An ICY CHARTER to ANTARCTICA

DC3 Airways has been awarded a contract to provide a ferry service for Cargo, Exploration Teams and Relief Crews between the tip of South America to the bases on the desolate sixth continent known as Antarctica. You will be flying in an area where the wind seldom drops below gale force and landing on oil-soaked gravel and ice runways. DC3s, with Turbo Prop engines and skis, which retract to approx 5 inches below the wheels from the axle line, still fly this route today.

You will be based at the town of Punta Arenas, the most southerly International Airport in the world. It is situated on the Northwest side of the Magellan Strait passage, between South America and the island of 'Tierra del Fuego' (Land of Fire). In real life, this airport closes during the winter months.



Unlike the Arctic, there is no habitation south of Isla Rey Jorge, which is only at S62°11" and its approximate equivalent in the Northern Hemisphere is Keflavik, Iceland.

Antarctica's land mass is bigger than Australia and the Ice doubles it further in size (View in Globe mode). If all the ice were to melt, all the Oceans would rise by 135ft. There are quite a few mountains here and the South Pole itself is 9,300 ft above sea level and the OAT there can drop to minus 70° C.

NOTAMs

- Flights are made up for the 'Bare Metal' and 'Classic' DC3s. Adjust the Radio Compass each time you change heading.
- Fuel based on 96 gals per hour at 145 knots (4 lbs/mile) plus 80 gals reserve unless advised otherwise.
- Flights are in daylight only and use DC3 Airways Southern Hemisphere Spring, Summer or Fall weather, definitely not Winter as runways are not lit.
- Brakes do not work when landing on ice runways, the aircraft is on skis.
- Fuel is stored below ground and is available at all Bases. Do not take on more than the required amount; it costs \$5.00 a gallon.
- Read Tech Ed's article on "Landing on Short Fields".
- Beware of strong head, tail & crosswinds.

FP's revised for **FSX** (Steam), **MSFS**, **P3D**, **XP12**

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<<< Special Remarks >>>

MSFS users : Some airports used into this charter (SCRM, NZ12, SAWB, SA47) are not available in stock MSFS. Links are suggested to download at least SCRM and SAWB. Both others might be available later, or from sources unknown at present time. Feel free to amend the related flight plans when required.

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***XPlane users** : You will need to download and install **Antarctica4XPlane** to get terrain below the 60° S latitude. Check https://forums.x-plane.org/index.php?/profile/441467-maps2xplane/content/&type=downloads_file , or <https://forum.aerosoft.com/index.php?/topic/142492-antarctica4xplane-antarctica-scenery-for-x-plane/>*

NZ12 (Palmer Station) : In real world, the station seems to have an helipad. In XP12, there is a visual issue at this destination, as runway is partly sitting on water.

The skiway is a safe area on the glacier, used only for critical med-evac flights. Skiway is not established until needed, no markings in place. Station monitors 118.1 MHz. (source Ourairports.com, latest update 2021-02-22)

A file is available to relocate runway 01/19 on the glacier, available at <https://dcascreenshots.net/dcaforum/viewtopic.php?t=20545> , post #10, by 1026, Johan van Wyk.

An other file (enclosed) will create a runway 06/24 on the glacier, following terrain slope, but being "altiport" type (you land on the lower end of the runway, and "climb" to the higher end to park your aircraft).

An other alternative is to land on the terrain at the right of the Hero Inlet (ice on the simulator), but in real life, it seems that the glacier has retracted that much that the said terrain is now rocks...

An ICY CHARTER to ANTARCTICA

Leg 1 Punta Arenas to Ushuaia – FSX, MSFS, P3D, XP12

This leg takes you from Punta Arenas, passing over Magellan's Strait then across Tierra del Fuego, and land at Ushuaia, Argentina to pick up passengers, freight, etc. Fuel required: 400 gals (2400 lbs)

From – To	Flight Description. "Allocated runways and related information may change when flying online or using Real Weather"				Course (Leg) Deg	Distance (Leg) nm	
	Dep. Rwy – 25	Init. Hdg– 257/256°	Init. Alt – 7,500ft	Apt Elev. – 139/122ft			
Punta Arenas (SCCI) Chile To Ushuaia (SAWH) Argentina	Departure (07:30 hrs): Before departure, tune Nav1 to NAS VOR/DME (114.10) and set OBS to 257 OB radial. To Fix 01. After take off continue on runway heading 256 / 257° until 1,500ft MSL. Waypoint reached when needle centers and DME reads 5nm.....				256 / 257	5.7	
	En Route: Set VOR OBS to 115deg OB. To Fix 02. Turn left to 108°. Waypoint reached when needle centers and DME reads 23nm..... (FSX users : To Porvenir [CFM] NDB, 340.0. Direct to NDB (DME reading 23nm))				108	28.1	
	To Fix 03. Turn right to 124 / 125 / 124 / 125° and tune Nav1 to Puerto Williams VOR/DME (PWL) 114.90. As soon as signal is received, intercept PWL 124R, fly towards VOR..... When PWL DME reads 30 nm, descend to 4500ft.				124 / 125 124 / 125	125.0	
	To Fix 04. When PWL DME reads 14nm, turn to Hdg 164 / 165 / 164 / 165°, start 500 FPM descent, tune Nav1 to US ILS (111.30) and intercept ILS for Ushuaia..... Approach: Turn right to 254° for a visual approach to runway Land: Ushuaia Int Malvine Is Length: 9162ft Width: 148ft Surface: Concrete runway 25				164 / 165 164 / 165 254	3.8 13.8	
Flight No.: 549-04-01-FMPX	Arrival Airport Elev: 102 / 75 ft				Estimated totals for this flight>>>		183nm

An ICY CHARTER to ANTARCTICA

Leg 2 Ushuaia to Isla Rey Jorge – **FSX**, **MSFS**, **P3D**, **XP12**

Caution MSFS users: To fly this leg, you may wish installing SCRM airport into MSFS, as it does not exist in the stock data of your sim. Check <https://flightsim.to/file/1073/scrm-teniente-rodolfo-marsh-martin-airport-antarctica> . If you do not have SCRM in your scenery, you will have to look for a suitable landing field. Locals, coming from Base Presidente Eduardo Frei Montalva, will come to you and refuel your tanks.

This leg takes you past Cape Horn at the tip of South America, then crossing that part of the Southern Ocean known as “Drake’s Passage” to Isla Rey Jorge on the Antarctic Peninsula.

Notes:

- **Fuel to maximum.**
- **Strong tail winds can shorten the trip by 1 hour**

From – To	Flight Description. "Allocated runways and related information may change when flying online or using Real Weather"				Course (Leg) Deg	Distance (Leg) nm	
	Dep. Rwy – 25	Init. Hdg – 254deg	Init. Alt – 7,500ft	Apt Elev. 102 / 75 / 102 / 102ft			
Ushuaia (SAWH) Argentina To Isla Rey Jorge (SCRM) Antarctica	Departure (09:30 hrs): Set Nav 1 to Puerto Williams [PWL] VOR/DME 114.90, and OBS to 81R. After take off continue on runway heading 254° until 1,000ft MSL.....				254	3.0	
	Enroute: To Fix 02. Make a left turn to hdg 166 / 168 / 167° . Waypoint reached when needle centers and DME reads 26nm.....				166 / 168 / 167	3.4	
	Turn left to 081 / 082 / 081 / 082° . Fly direct to PWL VOR.....				081 / 082 / 081 / 082	25.0	
	To Fix 03. Turn right and track 140R outbound from PWL. When you lose the signal from PWL, retune Nav 1 to Isla Rey Jorge [IRJ] VOR/DME 113.30. When IRJ VOR is received, fly towards VOR. Do not forget to adjust periodically your Directional Gyro!.....				140	472.0	
	Start your descent to 1,000ft MSL when the DME reads 40nm. Waypoint reached when the DME reads 7.5nm.....				135 / 134	33.0	
	Approach: To Fix 04. Turn right to 151° and reset the OBS to 111°. Waypoint reached when the OBS needle centres..... <i>SCRM Coordinates: S62° 11.45' / W58° 59.20' (-62.1908 / -58.9867)</i> To runway (runway heading 111°). Turn left to 111° for a visual approach..... <i>(XP users: runway heading is 106°. Once runway in sight, adjust heading accordingly)</i>				151 111	4.6 3.3	
Land: Teniente R Marsh Martin runway 11				Length: 4,227ft Width: 128ft Surface: Gravel			
Flight No.: 549-04-02-FMPX	Arrival Airport Elev: 147 / - / 147 / 43ft				Estimated totals for this flight>>>		544nm

An ICY CHARTER to ANTARCTICA

Leg 3 Isla Rey Jorge to Palmer Station – FSX

The next 4 flights can be accomplished in one day if you depart from Isla Rey Jorge 30 mins after Dawn.

NOTE: There are no navigation aids at Palmer Station!!!

Fuel required: 600 galls (3,600 lbs) to allow for three attempts at landing, aborting the flight and returning to Isla Rey Jorge.

From – To	Flight Description. "Allocated runways and related information may change when flying online or using Real Weather"				Course (Leg) Deg	Distance (Leg) nm	
	Dep. Rwy – 11	Init. Hdg – 118deg	Init. Alt – 8,500ft	Apt Elev. – 147ft			
Isla Rey Jorge (SCRM) Antarctica To Palmer Station (NZ12) Antarctica	Departure (Dawn + 30 mins): Before take off tune ADF to IRJ NDB, 360.0, NAV1 to IRJ VOR/DME, 113.30, set OBS to 205°. To IRJ NDB. Turn right to 116deg. Direct to NDB.....				116	0.9	
	Enroute: To Fix 01. Turn right to 227° and intercept IRJ VOR 206R.....				227	2.1	
	To Fix 02. Turn left to 205° and track 206R outbound from IRJ. Waypoint reached when the DME reads 101nm.....				205	99.0	
	To Fix 03. Turn left to 192° and start your descent to 3,500ft. Follow just off the coastline of the island on your right and keep over the water.....				192	58.0	
	To Fix 04. Turn right to 220° passing through the channel between the Islands, which are the large (last) one on your right and the smaller one in the channel on your left.....				220	46.0	
	Approach: To Palmer Station. Continue to follow the coastline of the island on your right, and shortly after turning to about 279° you should see the pale blue/white colored ice runway at S64° 46.50' / W64° 3.27' (press SHIFT-Z for details at top left of screen) in front of you. It is incredibly difficult to pick the airfield out from the surrounding snow – it's towards the seaward end of the large headland, which should be about 12nm in front of you. Descend to 1,500ft and slow to 120kts.....				279	11.6	
	To Fix 06. Turn left to runway reciprocal 191° and fly Hdg for +/- 2 minutes.....				191	3.3	
	To runway (runway heading 011°). Commence a procedure turn. Make a right 45deg turn to 236° and fly Hdg for one minute. Make a left 180° turn to 056°. When you can see the runway out of the left cockpit window (it's in a shelf cut into the surrounding ice fields, near a waterfall into the sea) turn left to runway Hdg 011° for a visual approach. Reduce speed to 70 kts for touchdown. An overshoot into the snow at the other end is permissible				Final Hdg 011	8.3	
Flight No.: 549-04-03-F	Arrival Airport Elev: 149ft				Estimated totals for this flight>>>		229nm

An ICY CHARTER to ANTARCTICA

Leg 3 Isla Rey Jorge to Palmer Station – MSFS

Caution : As for SCRM airport, Palmer Station does not exist in the stock data of MSFS. You will have to make a field landing at destination.

The next 4 flights can be accomplished in one day if you depart from Isla Rey Jorge 30 mins after Dawn.

NOTE: There are no navigation aids at Palmer Station!!!

Fuel required: 600 galls (3,600 lbs) to allow for three attempts at landing, aborting the flight and returning to Isla Rey Jorge.

From – To	Flight Description. "Allocated runways and related information may change when flying online or using Real Weather"				Course (Leg) Deg	Distance (Leg) nm	
	Dep. Rwy – 11	Init. Hdg – 118deg	Init. Alt – 8,500ft	Apt Elev. – 147ft			
Isla Rey Jorge (SCRM) Antarctica To Palmer Station (NZ12) Antarctica	Departure (Dawn + 30 mins): <i>SCRM Coordinates: S62° 11.45' / W58° 59.20' (-62.1908 / -58.9867)</i> Before take off tune ADF to IRJ NDB, 360.0, NAV1 to IRJ VOR/DME, 113.30, set OBS to 205°. To IRJ NDB. Turn right to 116deg. Direct to NDB.....				116	0.9	
	Enroute: To Fix 01. Turn right to 227° and intercept IRJ VOR 206R..... To Fix 02. Turn left to 205° and track 206R outbound from IRJ. Waypoint reached when the DME reads 101nm..... To Fix 03. Turn left to 192° and start your descent to 3,500ft. Follow just off the coastline of the island on your right and keep over the water..... To Fix 04. Turn right to 220° passing through the channel between the Islands, which are the large (last) one on your right and the smaller one in the channel on your left.....				227 205 192 220	2.1 99.0 58.0 46.0	
	Approach: To Palmer Station. Continue to follow the coastline of the island on your right, and shortly after turning to about 279° you should see the pale blue/white colored ice runway at +/- S64° 46.50' / W64° 3.27' W (press SHIFT-Z for details at top left of screen) in front of you. It is incredibly difficult to pick the airfield out from the surrounding snow – it's towards the seaward end of the large headland, which should be about 12nm in front of you. Descend to 1,500ft and slow to 120kts..... To Fix 06. Turn left to runway reciprocal 191° and fly Hdg for +/- 2 minutes..... To runway (runway heading 011°?). Commence a procedure turn. Make a right 45deg turn to 236° and fly Hdg for one minute. Make a left 180° turn to 056°. When you can see the runway out of the left cockpit window (it's in a shelf cut into the surrounding ice fields, near a waterfall into the sea) turn left to runway Hdg 011° for a visual approach. Reduce speed to 70 kts for touchdown. An overshoot into the snow at the other end is permissible <i>Palmer Station coordinates: S64° 46.50' / W64° 03.27' (-64.7750 / -64.0544)</i> NOTE: You must abort if you realize you are not going to make it, <u>before reaching the runway threshold!!!</u> Mountain cliff face at the other end. Land: Palmer Station runway 1 Length: 2,500ft Width: 100ft Surface: Ice				279 191 Final Hdg 011	11.6 3.3 8.3	
	Arrival Airport Elev: 149ft					229nm	
Flight No.: 549-04-03-M	Estimated totals for this flight>>>						

An ICY CHARTER to ANTARCTICA

Leg 3 Isla Rey Jorge to Palmer Station – P3D

The next 4 flights can be accomplished in one day if you depart from Isla Rey Jorge 30 mins after Dawn.

NOTE: There are no navigation aids at Palmer Station!!!

Fuel required: 600 galls (3,600 lbs) to allow for three attempts at landing, aborting the flight and returning to Isla Rey Jorge.

From – To	Flight Description. "Allocated runways and related information may change when flying online or using Real Weather"				Course (Leg) Deg	Distance (Leg) nm	
	Dep. Rwy – 11	Init. Hdg – 118deg	Init. Alt – 8,500ft	Apt Elev. – 147ft			
Isla Rey Jorge (SCRM) Antarctica To Palmer Station (NZ12) Antarctica	Departure (Dawn + 30 mins): Before take off tune ADF to IRJ NDB, 360.0, NAV1 to IRJ VOR/DME, 113.30, set OBS to 205°. To IRJ NDB. Turn right to 115deg. Direct to NDB.....				115	0.9	
	Enroute: To Fix 01. Turn right to 227° and intercept IRJ VOR 206R.....				227	2.1	
	To Fix 02. Turn left to 205° and track 206R outbound from IRJ. Waypoint reached when the DME reads 101nm.....				205	99.0	
	To Fix 03. Turn left to 192° and start your descent to 3,500ft. Follow just off the coastline of the island on your right and keep over the water.....				192	58.0	
	To Fix 04. Turn right to 219° passing through the channel between the Islands, which are the large (last) one on your right and the smaller one in the channel on your left.....				219	46.0	
	Approach: To Palmer Station. Continue to follow the coastline of the island on your right, and shortly after turning to about 277° you should see the pale blue/white colored ice runway at S64° 46.44' / W64° 1.72' (press SHIFT-Z for details at top left of screen) in front of you. It is incredibly difficult to pick the airfield out from the surrounding snow – it's towards the seaward end of the large headland, which should be about 11nm in front of you. Descend to 1,500ft and slow to 120kts... To Fix 05. Turn left to runway reciprocal 245° and fly Hdg for +/- 2 minutes..... To runway (runway heading 065°). Commence a procedure turn. Make a right 45deg turn to 290° and fly Hdg for one minute. Make a left 180° turn to 065°. When you can see the runway out of the left cockpit window (it's in a shelf cut into the surrounding ice fields, near a waterfall into the sea) turn left to runway Hdg 065° for a visual approach. Reduce speed to 70 kts for touchdown. An overshoot into the snow at the other end is permissible				277 245 Final Hdg 065	11.1 3.3 8.4	
NOTE: You must abort if you realize you are not going to make it, <u>before reaching the runway threshold!!!</u> Mountain cliff face at the other end.							
Land: Palmer Station runway 1 Length: 2,500ft Width: 100ft Surface: Ice							
Flight No.: 549-04-03-P	Arrival Airport Elev: 149ft				Estimated totals for this flight>>>		228nm

An ICY CHARTER to ANTARCTICA

Leg 3 Isla Rey Jorge to Palmer Station – XP12

The next 4 flights can be accomplished in one day if you depart from Isla Rey Jorge 30 mins after Dawn.

NOTE: There are no navigation aids at Palmer Station!!!

Fuel required: 600 galls (3,600 lbs) to allow for three attempts at landing, aborting the flight and returning to Isla Rey Jorge.

From – To	Flight Description. "Allocated runways and related information may change when flying online or using Real Weather"				Course (Leg) Deg	Distance (Leg) nm	
	Dep. Rwy – 11	Init. Hdg – 118deg	Init. Alt – 8,500ft	Apt Elev. – 43ft			
Isla Rey Jorge (SCRM) Antarctica To Palmer Station (NZ12) Antarctica	Departure (Dawn + 30 mins): Before take off tune ADF to IRJ NDB, 360.0, NAV1 to IRJ VOR/DME, 113.30, set OBS to 205°. To IRJ NDB. Turn right to 116deg. Direct to NDB.....				116	0.9	
	Enroute: To Fix 01. Turn right to 227° and intercept IRJ VOR 206R.....				228	2.1	
	To Fix 02. Turn left to 205° and track 206R outbound from IRJ. Waypoint reached when the DME reads 101nm.....				205	99.0	
	To Fix 03. Turn left to 192° and start your descent to 3,500ft. Follow just off the coastline of the island on your right and keep over the water.....				192	58.0	
	To Fix 04. Turn right to 220° passing through the channel between the Islands, which are the large (last) one on your right and the smaller one in the channel on your left.....				220	46.0	
	Approach: To Palmer Station. To Fix 05. Continue to follow the coastline of the island on your right, and shortly after turning to about 279° you should see the pale blue/white colored ice runway at S64° 46.50' / W64° 3.27' (-64.7750 / -64.0544) slightly on the left. It is incredibly difficult to pick the airfield out from the surrounding snow – it's towards the seaward end of the large headland, which should be about 12nm in front of you. Descend to 1,500ft and slow to 120kts..... To Fix 06. Turn left to runway reciprocal 191° and fly Hdg for +/- 2 minutes..... To runway (runway heading 010°). Commence a procedure turn. Make a right 45deg turn to 235° and fly Hdg for one minute. Make a left 180° turn to 055°. When you can see the runway out of the left cockpit window (it's in a shelf cut into the surrounding ice fields, near a waterfall into the sea) turn left to runway Hdg 010° for a visual approach. Reduce speed to 70 kts for touchdown. An overshoot into the snow at the other end is permissible NOTE: You must abort if you realize you are not going to make it, <u>before reaching the runway threshold!!!</u> Mountain cliff face at the other end.				279 190 Final Hdg 010	11.9 3.4 7.2	
Flight No.: 549-04-03-X1	Land: Palmer Station runway 01 Length: 2,500ft Width: 100ft Surface: Ice						
	Arrival Airport Elev: 148ft				Estimated totals for this flight>>>		228nm

*Caution : depending on installed scenery, NZ12 runway exists into XP12, but may appear partly covered by water (stock XP NZ12 + Antarctica4XPlane).
This flightplan is intended for landing on the runway (XP stock airport + visual issues)*

An ICY CHARTER to ANTARCTICA

Leg 3 Isla Rey Jorge to Palmer Station – XP12

The next 4 flights can be accomplished in one day if you depart from Isla Rey Jorge 30 mins after Dawn.

NOTE: There are no navigation aids at Palmer Station!!!

Fuel required: 600 galls (3,600 lbs) to allow for three attempts at landing, aborting the flight and returning to Isla Rey Jorge.

From – To	Flight Description. "Allocated runways and related information may change when flying online or using Real Weather"				Course (Leg) Deg	Distance (Leg) nm	
	Dep. Rwy – 11	Init. Hdg – 118deg	Init. Alt – 8,500ft	Apt Elev. – 43ft			
Isla Rey Jorge (SCRM) Antarctica To Palmer Station (NZ12) Antarctica	Departure (Dawn + 30 mins): Before take off tune ADF to IRJ NDB, 360.0, NAV1 to IRJ VOR/DME, 113.30, set OBS to 205°. To IRJ NDB. Turn right to 116deg. Direct to NDB.....				116	0.9	
	Enroute: To Fix 01. Turn right to 227° and intercept IRJ VOR 206R.....				228	2.1	
	To Fix 02. Turn left to 205° and track 206R outbound from IRJ. Waypoint reached when the DME reads 101nm.....				205	99.0	
	To Fix 03. Turn left to 192° and start your descent to 3,500ft. Follow just off the coastline of the island on your right and keep over the water.....				192	58.0	
	To Fix 04. Turn right to 220° passing through the channel between the Islands, which are the large (last) one on your right and the smaller one in the channel on your left.....				220	46.0	
	Approach: To Palmer Station. To Fix 05. Continue to follow the coastline of the island on your right, and shortly after turning to about 279° you should see the pale blue/white colored ice runway at S64° 46.50' / W64° 2.01' (-64.7751 / -64.0335) slightly on the left. It is incredibly difficult to pick the airfield out from the surrounding snow – it's towards the seaward end of the large headland, which should be about 12nm in front of you. Descend to 1,500ft and slow to 120kts.....				279 190	11.5 3.0	
	To Fix 06. Turn left to runway reciprocal 191° and fly Hdg for +/- 2 minutes..... To runway (runway heading 010°). Commence a procedure turn. Make a right 45deg turn to 235° and fly Hdg for one minute. Make a left 180° turn to 055°. When you can see the runway out of the left cockpit window (it's in a shelf cut into the surrounding ice fields, near a waterfall into the sea) turn left to runway Hdg 010° for a visual approach. Reduce speed to 70 kts for touchdown. An overshoot into the snow at the other end is permissible				Final Hdg 010	8.0	
NOTE: You must abort if you realize you are not going to make it, <u>before reaching the runway threshold!!!</u> Mountain cliff face at the other end.							
Land: Palmer Station runway 01 Length: 2,500ft Width: 100ft Surface: Ice							
Flight No.: 549-04-03-X2	Arrival Airport Elev: 148ft				Estimated totals for this flight>>>		228nm

Caution : This flightplan is intended for landing on the runway (Antarctica4XPlane + DCA1026 NZ12 addon file installed – Rwy 01/19)

An ICY CHARTER to ANTARCTICA**Leg 3 Isla Rey Jorge to Palmer Station – XP12**

The next 4 flights can be accomplished in one day if you depart from Isla Rey Jorge 30 mins after Dawn.

NOTE: There are no navigation aids at Palmer Station!!!

Fuel required: 600 galls (3,600 lbs) to allow for three attempts at landing, aborting the flight and returning to Isla Rey Jorge.

From – To	Flight Description. "Allocated runways and related information may change when flying online or using Real Weather"				Course (Leg) Deg	Distance (Leg) nm	
	Dep. Rwy – 11	Init. Hdg – 118deg	Init. Alt – 8,500ft	Apt Elev. – 43ft			
Isla Rey Jorge (SCRM) Antarctica To Palmer Station (NZ12) Antarctica	Departure (Dawn + 30 mins): Before take off tune ADF to IRJ NDB, 360.0, NAV1 to IRJ VOR/DME, 113.30, set OBS to 205°. To IRJ NDB. Turn right to 116deg. Direct to NDB.....				116	0.9	
	Enroute: To Fix 01. Turn right to 227° and intercept IRJ VOR 206R.....				228	2.1	
	To Fix 02. Turn left to 205° and track 206R outbound from IRJ. Waypoint reached when the DME reads 101nm.....				205	99.0	
	To Fix 03. Turn left to 192° and start your descent to 3,500ft. Follow just off the coastline of the island on your right and keep over the water.....				192	58.0	
	To Fix 04. Turn right to 220°. When entering the channel channel between the Islands, which are the large (last) one on your right and the smaller one in the channel on your left, start your descent to 1500ft.....				220	46.0	
	Approach: To Fix 05. Turn right to 276°, continue to follow the coastline of the island on your right. After a couple of minutes, you should see Palmer Station, located on Gramage Point, the Hero inlet, and Bonaparte Point, then the runway at S64° 46.50' / W64° 1.76' (-64.7751 / -64.0293), slightly on the right. It is towards the seaward end of the large headland, in front of you. Slow down to 120kts. Fix reached when flying overhead Palmer Station.....				276	11.9	
	To Fix 06. Turn left to 267° to the center of Lichtfield Island.....				267	1.0	
	To Fix 07. Turn left to 235° and fly heading for +/- 1 minute. At your left side, you will see successively Delaca Island, Janus Island, and the two Outcast Islands. To runway. Once Outcast Islands are at your 9 o'clock, turn left to the smallest of these two islands. Overhead this small island, turn left to 043° and slow down to 90kts. It is incredibly difficult to pick the airfield out from the surrounding snow. As soon as you see it, adjust heading to runway. Reduce speed to 80 kts for touchdown.				235	2.2	
	Caution: Altiport type landing! Touch down at 80 kts or slightly less, nose up before touching down, and appropriate power management just to climb the runway up to the parking, possibly without overshoot . You must abort if you realize you are not going to make it.				Final Hdg 043	5.6	
Flight No.: 549-04-03-X3	Land: Palmer Station runway 06	Length: 1,790ft	Width: 100ft	Surface: Ice			
	Arrival Airport Elev: 147ft				Estimated totals for this flight>>>		226nm

Caution : This flightplan is intended for landing on the runway (Antarctica4XPlane + enclosed NZ12 addon file installed – Rwy 06/24)

An ICY CHARTER to ANTARCTICA

Leg 4. Palmer Station to Base Marambio – FSX

Fuel required: 334 gals (2,000 lbs).

From – To	Flight Description. "Allocated runways and related information may change when flying online or using Real Weather"				Course (Leg) Deg	Distance (Leg) nm	
	Dep. Rwy – 19	Init. Hdg – 191deg	Init. Alt – 7,500ft	Apt Elev. – 149ft			
Palmer Station (NZ12) Antarctica To Base Marambio (SAWB) Antarctica	Departure: Before take off tune ADF to MBI NDB, 330.0 and NAV1 to MBI VOR/DME, 117.00, set the OBS to 054°. To Fix 01. After take off continue on runway heading 191° until 1,000ft MSL.....				191	3.7	
	Enroute: To Fix 02. Turn left to 115°, climb to 7,500ft and maintain this heading until you are over the large island ahead. Fix reached at approx. 22/25 minutes flight.....				115	50.0	
	To Fix 03. Turn to hdg 054° and intercept the MBI 054R..... Commence descent to 3,000ft when the DME reads 34nm. Waypoint at MBI DME 12.4.				054	154.0	
	Approach: To Fix 04. Turn left to 032°. Waypoint reached when DME reads 7.4nm..... You will see the runway on top of the hill in front of you.....				032	5.7	
	To runway (runway heading 060°). Turn right to 060° for a visual approach. This is a tricky approach as runway is on top of the hill. Be careful of Tsunami waves washing onto front of runway. Keep speed to 80kts Missed approach: Talk to ATC for directions Land: Base Marambio runway 6 Length: 4,134ft Width: 115 ft Surface: Gravel				060	7.3	
Flight No.: 549-04-04-F	Arrival Airport Elev: 0ft				Estimated totals for this flight>>>		221nm

An ICY CHARTER to ANTARCTICA

Leg 4. Palmer Station to Base Marambio – MSFS

Caution MSFS users: To fly this leg, you may wish installing SAWB airport into MSFS, as it is not available in the stock data of your sim.

Check <https://flightsim.to/file/998/marambio-base-antarctica-argentina>, <https://fr.flightsim.to/file/9322/base-marambio-antartida-argentina>, or https://dl-file.com/2qvxnfsvz9m/SAWB-GrafDresche_alc2v.zip.html for instance.

If you do not have SAWB in your scenery, you will have to look for a suitable landing field.

Adjust departure and destination headings when required when SAWB installed on your system.

....
Fuel required: 334 gals (2,000 lbs).

From – To	Flight Description. "Allocated runways and related information may change when flying online or using Real Weather"				Course (Leg) Deg	Distance (Leg) nm	
	Dep. Rwy – 19	Init. Hdg – 191deg	Init. Alt – 7,500ft	Apt Elev. – 149ft			
Palmer Station (NZ12) Antarctica To Base Marambio (SAWB) Antarctica	Departure: <i>Palmer Station coordinates: S64° 14.34' / W56° 37.58' (-64.7750 / -64.0544)</i> Before take off tune ADF to MBI NDB, 345.0 and NAV1 to MBI VOR/DME, 117.00, set the OBS to 052°. To Fix 01. After take off, adjust heading to 193° and continue until 1,000ft MSL.....				193	2.6	
	Enroute: To Fix 02. Turn left to 115°, climb to 7,500ft and maintain this heading until you are over the large island ahead. Fix reached at approx. 22/25 minutes flight.....				115	50.0	
	To Fix 03. Turn to hdg 054° and intercept the MBI 052R..... Commence descent to 3,000ft when the DME reads 34nm. Waypoint at MBI DME 12.4.				054	154.0	
	Approach: <i>Base Marambio coordinates: S64° 14.34' / W56° 37.58' (-64.2389 / -56.6280)</i> You will see the runway on top of the hill in front of you. Adjust heading to runway To runway (runway heading +/- 054°). Turn for a visual approach. This is a tricky approach as runway is on top of the hill. Be careful of Tsunami waves washing onto front of runway. Keep speed to 80kts Missed approach: Talk to ATC for directions Land: Base Marambio runway 6 Length: 4,134ft Width: 115 ft Surface: Gravel				053	12.2	
Flight No.: 549-04-04-M	Arrival Airport Elev: 0ft?				Estimated totals for this flight>>>		217nm

Leg 4. Palmer Station to Base Marambio – P3D

Fuel required: 334 gals (2,000 lbs).

From – To	<u>Flight Description.</u> "Allocated runways and related information may change when flying online or using Real Weather"				Course (Leg) Deg	Distance (Leg) nm	
	Dep. Rwy – 19	Init. Hdg – 246deg	Init. Alt – 7,500ft	Apt Elev. – 149ft			
Palmer Station (NZ12) Antarctica To Base Marambio (SAWB) Antarctica	Departure: Before take off tune ADF to MBI NDB, 345.0 and NAV1 to MBI VOR/DME, 117.00, set the OBS to 054°. To Fix 01. After take off continue on runway heading 246° until 1,000ft MSL.....				245	3.2	
	Enroute: To Fix 03. Turn left to 115°, start climb to 7,500ft, and maintain this heading until you are over the large island ahead. Fix reached at approx. 22/25 minutes flight.....				115	53.0	
	To Fix 04. Turn to hdg 054° and intercept the MBI 054R..... Commence descent to 3,000ft when the DME reads 34nm. Waypoint at MBI DME 12.4.				054	166.0	
	Approach: You will see the runway on top of the hill in front of you				054		
	To runway (runway heading 054°). Adjust heading for a visual approach. This is a tricky approach as runway is on top of the hill.... Be careful of Tsunami waves washing onto front of runway. Keep speed to 80kts						
	Missed approach: Talk to ATC for directions						
	Land: Base Marambio runway 5	Length: 3,958ft	Width: 131 ft	Surface: hard-packed surface			
Flight No.: 549-04-04-P	Arrival Airport Elev: 760ft				Estimated totals for this flight>>>		221nm

An ICY CHARTER to ANTARCTICA

Leg 4. Palmer Station to Base Marambio – **XP12**

Fuel required: 334 gals (2,000 lbs).

Caution : depending on installed scenery, NZ12 runway may appear partly covered by water... Feel free to take-off from any convenient other nearby place on the glacier...

From – To	Flight Description. "Allocated runways and related information may change when flying online or using Real Weather"				Course (Leg) Deg	Distance (Leg) nm	
	Dep. Rwy – 19	Init. Hdg – 191deg	Init. Alt – 7,500ft	Apt Elev. – 148ft			
Palmer Station (NZ12) Antarctica To Base Marambio (SAWB) Antarctica	Departure: Before take off tune ADF to MBI NDB, 345.0 and NAV1 to MBI VOR/DME, 117.00, set the OBS to 054°. To Fix 01. After take off continue on runway heading 190° until 1,000ft MSL.....				190	3.2	
	Enroute: To Fix 02. Turn left to 115°, climb to 7,500ft and maintain this heading until you are over the large island ahead.....				115	50.0	
	To Fix 03. Turn to hdg 054° and intercept the MBI 054R..... Commence descent to 3,000ft when the DME reads 34nm. Waypoint at MBI DME 12.4.				054	166.0	
	Approach: You will see the runway on top of the hill in front of you To runway (runway heading 055°). Adjust heading for a visual approach. This is a tricky approach as runway is on top of the hill.... Be careful of Tsunami waves washing onto front of runway. Keep speed to 80kts Missed approach: Talk to ATC for directions Land: Base Marambio runway 6 Length: 3,960ft Width: 141 ft Surface: hard-packed surface				055		
Flight No.: 549-04-04-X1	Arrival Airport Elev: 758ft				Estimated totals for this flight>>>		219nm

Caution : depending on installed scenery, NZ12 runway exists into XP12, but may appear partly covered by water (stock XP NZ12 + Antarctica4XPlane). This flightplan is intended for landing on the runway (XP stock airport + visual issues)

An ICY CHARTER to ANTARCTICA**Leg 4. Palmer Station to Base Marambio – XP12**

Fuel required: 334 gals (2,000 lbs).

Caution : depending on installed scenery, NZ12 runway may appear partly covered by water... Feel free to take-off from any convenient other nearby place on the glacier...

From – To	Flight Description. "Allocated runways and related information may change when flying online or using Real Weather"				Course (Leg) Deg	Distance (Leg) nm	
	Dep. Rwy – 19	Init. Hdg – 191deg	Init. Alt – 7,500ft	Apt Elev. – 148ft			
Palmer Station (NZ12) Antarctica To Base Marambio (SAWB) Antarctica	Departure: Before take off tune ADF to MBI NDB, 345.0 and NAV1 to MBI VOR/DME, 117.00, set the OBS to 054°. To Fix 01. After take off continue on runway heading 190° until 1,000ft MSL.....				190	3.2	
	Enroute: To Fix 02. Turn left to 115°, climb to 7,500ft and maintain this heading until you are over the large island ahead.....				115	50.0	
	To Fix 03. Turn to hdg 054° and intercept the MBI 054R..... Commence descent to 3,000ft when the DME reads 34nm. Waypoint at MBI DME 12.4.				054	166.0	
	Approach: You will see the runway on top of the hill in front of you To runway (runway heading 055°). Adjust heading for a visual approach. This is a tricky approach as runway is on top of the hill.... Be careful of Tsunami waves washing onto front of runway. Keep speed to 80kts Missed approach: Talk to ATC for directions Land: Base Marambio runway 6 Length: 3,960ft Width: 141 ft Surface: hard-packed surface				055		
Flight No.: 549-04-04-X2	Arrival Airport Elev: 758ft				Estimated totals for this flight>>>		219nm

Caution : This flightplan is intended for landing on the runway (Antarctica4XPlane + DCA1026 NZ12 addon file installed – Rwy 01/19)

An ICY CHARTER to ANTARCTICA

Leg 4. Palmer Station to Base Marambio – XP12

Fuel required: 334 gals (2,000 lbs).

Caution : depending on installed scenery, NZ12 runway may appear partly covered by water... Feel free to take-off from any convenient other nearby place on the glacier...

From – To	Flight Description. "Allocated runways and related information may change when flying online or using Real Weather"				Course (Leg) Deg	Distance (Leg) nm	
	Dep. Rwy – 24	Init. Hdg – 223deg	Init. Alt – 7,500ft	Apt Elev. – 148ft			
Palmer Station (NZ12) Antarctica To Base Marambio (SAWB) Antarctica	Departure: Before take off tune ADF to MBI NDB, 345.0 and NAV1 to MBI VOR/DME, 117.00, set the OBS to 054°. Roll softly up to the runway slope, then full take off settings. Pull slightly the yoke. Speed will increase quickly, and you will soon be airborne. To Fix 01. After take off continue on runway heading 223° until 1,000ft MSL.....				223	3.5	
	Enroute: To Fix 02. Turn left to 115°, climb to 7,500ft and maintain this heading until you are over the large island ahead.....				115	52.0	
	To Fix 03. Turn to hdg 054°. The MBI VOR/DME 054R will be received at approx. 122 NM from destination)..... Commence descent to 3,000ft when the DME reads 34nm. Waypoint at MBI DME 12.4.				054	166.0	
	Approach: You will see the runway on top of the hill in front of you To runway (runway heading 053°). Adjust heading for a visual approach. This is a tricky approach as runway is on top of the hill.... Be careful of Tsunami waves washing onto front of runway. Keep speed to 80kts Missed approach: Talk to ATC for directions Land: Base Marambio runway 6 Length: 3,960ft Width: 141 ft Surface: hard-packed surface				053		
Flight No.: 549-04-04-X3	Arrival Airport Elev: 758ft				Estimated totals for this flight>>>		219nm

Caution : This flightplan is intended for take-off on the runway (Antarctica4XPlane + enclosed NZ12 addon file installed – Rwy 06/24)

An ICY CHARTER to ANTARCTICA**Leg 5 Base Marambio to Petrel – FSX**

Marambio and Petrel NDBs have the same frequency, needle will swing over approx 22nm from Petrel.
 Fuel required: 150 gals (900 lbs).

From – To	<u>Flight Description.</u> "Allocated runways and related information may change when flying online or using Real Weather"				Course (Leg) Deg	Distance (Leg) nm	
	Dep. Rwy – 6	Init. Hdg – 060deg	Init. Alt – 4,500ft	Apt Elev. – 0ft			
Base Marambio (SAWB) Antarctica To Petrel (SA47) Antarctica	Departure: Before take off tune ADF to MBI (and PET) NDB, 330.0 and NAV1 to MBI VOR/DME, 117.90, set the OBS to 358°. To Fix 01. After take off continue on runway heading 060° until 1,500ft MSL.....				060	4.6	
	Enroute: To Fix 02. Turn left to 318deg. Waypoint reached when the OBS needle centers.....				318	5.6	
	To Fix 03. Turn right and track MBI 358R. Watch RMI needle for swing over from MBI to PET beacons, you are then 22 miles from Petrel, descend to 1,000ft. Waypoint reached when the RMI reads 060deg. You are approx 3.8 miles from the runway.....				358	38.0	
	Approach: To runway (runway heading 79°). Turn right to 079° for a visual approach Land: Petrel runway 8 Length: 3,500ft Width: 100ft Surface: Ice				079	3.8	
Flight No.: 549-04-05-F	Arrival Airport Elev. – 15 ft				Estimated totals for this flight>>>		52nm

An ICY CHARTER to ANTARCTICA

Leg 5 Base Marambio to Petrel – MSFS

Caution MSFS users: As SAWB, SA47 (Petrel Base) is not available into MSFS. Unless some add-on adds it to MSFS, you will have to perform a field landing at destination...

Fuel required: 150 gals (900 lbs).

From – To	Flight Description. "Allocated runways and related information may change when flying online or using Real Weather"				Course (Leg) Deg	Distance (Leg) nm	
	Dep. Rwy – 6	Init. Hdg – 060deg	Init. Alt – 4,500ft	Apt Elev. – 0ft			
Base Marambio (SAWB) Antarctica To Petrel (SA47) Antarctica	Departure: <i>Base Marambio coordinates: S64° 14.34' / W56° 37.58' (-64.2389 / -56.6280)</i> Before take off tune NAV1 to MBI VOR/DME, 117.90, set the OBS to 358°. To Fix 01. After take off continue on runway heading 046° (?) until 1,500ft MSL.....				046	4.7	
	Enroute: To Fix 02. Turn left to 322deg. Waypoint reached when the OBS needle centers.....				311	5.7	
	To Fix 03. Turn right and track MBI 358R. When DME reads 25nm, you are then 22 miles from Petrel, descend to 1,000ft. Waypoint reached when the DME reads 046°. You are approx 3.5 miles from the runway.....				358	38.0	
	Approach: <i>Petrel Skyway coordinates: S63° 28.74' / W56° 13.88' (-63.4790 / -56.2313)</i> To runway (runway heading 79°?). Turn right to 079° for a visual approach and make a field landing Land: Petrel runway 8 Length: 3,500ft Width: 100ft Surface: Ice				079	3.8	
Flight No.: 549-04-05-M	Arrival Airport Elev. – 15 ft				Estimated totals for this flight>>>		51nm

An ICY CHARTER to ANTARCTICALeg 5 Base Marambio to Petrel – P3D

Fuel required: 150 gals (900 lbs).

From – To	<u>Flight Description.</u> "Allocated runways and related information may change when flying online or using Real Weather"				Course (Leg) Deg	Distance (Leg) nm	
	Dep. Rwy – 6	Init. Hdg – 054deg	Init. Alt – 4,500ft	Apt Elev. – 760ft			
Base Marambio (SAWB) Antarctica To Petrel (SA47) Antarctica	Departure: Before take off tune NAV1 to MBI VOR/DME, 117.90, set the OBS to 357°. To Fix 01. After take off continue on runway heading 054° until 1,500ft MSL.....				054	4.0	
	Enroute: To Fix 02. Turn left to 337°. Waypoint reached when the OBS needle centers.....				337	6.4	
	To Fix 03. Turn right and track MBI 357R. When DME reads 24nm, you are then 22 miles from Petrel, descend to 1,000ft. Waypoint reached when the DME reads 46nm. You are approx 3.5 miles from the runway.....				357	38.0	
	Approach: To runway (runway heading 079°). Turn right to 079° for a visual approach Land: Petrel runway 8 Length: 3,500ft Width: 100/33ft Surface: Ice				079	3.8	
Flight No.: 549-04-05-P	Arrival Airport Elev. – 15 ft				Estimated totals for this flight>>>		53nm

An ICY CHARTER to ANTARCTICA**Leg 5 Base Marambio to Petrel – XP12**

Fuel required: 150 gals (900 lbs).

From – To	<u>Flight Description.</u> "Allocated runways and related information may change when flying online or using Real Weather"				Course (Leg) Deg	Distance (Leg) nm	
	Dep. Rwy – 6	Init. Hdg – 055deg	Init. Alt – 4,500ft	Apt Elev. – 758ft			
Base Marambio (SAWB) Antarctica To Petrel (SA47) Antarctica	Departure: Before take off tune NAV1 to MBI VOR/DME, 117.90, set the OBS to 358°.						
	To Fix 01. After take off continue on runway heading 055° until 2,000ft MSL.....				055	4.0	
	Enroute: To Fix 02. Turn left to 335°. Waypoint reached when the OBS needle centers.....				335	6.4	
	To Fix 03. Turn right and track MBI 358R. When DME reads 24nm, you are then 22 miles from Petrel, descend to 1,000ft. Waypoint reached when the DME reads 46nm. You are approx 3.5 miles from the runway.....				358	38.0	
	Approach: To runway (runway heading 081°). Turn right to 081° for a visual approach				081	3.8	
	Land: Petrel runway 8 Length: 3502ft Width: 33ft Surface: Gravel						
Flight No.: 549-04-05-X	Arrival Airport Elev. – 15 ft					53nm	
	Estimated totals for this flight>>>						

An ICY CHARTER to ANTARCTICA

Leg 6 Petrel to Isla Rey Jorge – FSX, MSFS, P3D

Caution MSFS users: As SCRM, SA47 (Petrel Base) is not available into stock MSFS. Unless some add-on adds it to MSFS, you will have to perform a field landing at destination.

Fuel required: 300 gals (1800 lbs).

From – To	Flight Description. "Allocated runways and related information may change when flying online or using Real Weather"				Course (Leg) Deg	Distance (Leg) nm	
	Dep. Rwy – 26	Init. Hdg – 259deg	Init. Alt – 4,500ft	Apt Elev. – 16ft			
Petrel (SA47) Antarctica To Isla Rey Jorge (SCRM) Antarctica	Departure : <i>Petrel Skyway coordinates: S63° 28.74' / W56° 13.88' (-63.4790 / -56.2313)</i> Before take off tune NAV1 to IRJ 113.30, set the OBS to 307°. Note take off time. To Fix 01. After take off continue on runway heading 259° until 1,500ft MSL.....				259	4.9	
	Enroute: To Fix 02. Turn right to 307 / 306°. Fly direct to IRJ VOR. Tune IRJ NDB to 360.0..... When DME reads 25nm, start descend to 1,000ft.				307 / 306	100	
	Approach: <i>SCRM Coordinates: S62° 11.45' / W58° 59.20' (-62.1908 / -58.9867)</i> To IRJ NDB. At DME 4.2, turn right to 309°..... To runway (runway heading 291 / ? / 291°). Adjust heading for a visual approach.....				309	3.4	
	Land: Teniente R Marsh Martin runway 29 Length: 4,227ft Width: 128ft Surface: Gravel				297 / 299	0.9	
Flight No.: 549-04-06-FMP	Arrival Airport Elev. – 142 ft				Estimated totals for this flight>>>		110nm

Overnight here and depart for home in the morning.

An ICY CHARTER to ANTARCTICALeg 6 Petrel to Isla Rey Jorge – XP12

Fuel required: 300 gals (1800 lbs).

From – To	Flight Description. "Allocated runways and related information may change when flying online or using Real Weather"				Course (Leg) Deg	Distance (Leg) nm	
	Dep. Rwy – 26	Init. Hdg – 259deg	Init. Alt – 4,500ft	Apt Elev. – 16ft			
Petrel (SA47) Antarctica To Isla Rey Jorge (SCRM) Antarctica	Departure : Before take off tune NAV1 to IRJ 113.30, set the OBS to 307°. Note take off time. To Fix 01. After take off continue on runway heading 261° until 1,900ft MSL.....				261	4.9	
	Enroute: To Fix 02. Turn right to 307°. Fly direct to IRJ VOR. Tune IRJ NDB to 360.0..... When DME reads 25nm, start descend to 1,000ft.				307	100	
	Approach: To IRJ NDB. At DME 4.2, turn right to 309°.....				309	3.4	
	To runway (runway heading 286°). Adjust heading for a visual approach..... Land: Teniente R Marsh Length: 4,112ft Width: 128ft Surface: Gravel Martin runway 29				299	0.9	
Flight No.: 549-04-06-X	Arrival Airport Elev. – 43 ft				Estimated totals for this flight>>>		109nm

Overnight here and depart for home in the morning.

An ICY CHARTER to ANTARCTICALeg 7 Isla Rey Jorge to Rio Grande - **FSX**, **MSFS**, **P3D**

Long flight over the Ocean – Beware of strong head and switching cross winds on this leg. Can take up to 1 hour longer than scheduled

Fuel required: Maximum

From – To	Flight Description. "Allocated runways and related information may change when flying online or using Real Weather"				Course (Leg) Deg	Distance (Leg) nm	
	Dep. Rwy – 29	Init. Hdg – 291deg	Init. Alt – 6,500ft	Apt Elev. – 147ft			
Isla Rey Jorge (SCRM) Antarctica To Rio Grande (SAWE) Argentina	Departure (Dawn + 30mins): <i>SCRM Coordinates: S62° 11.45' / W58° 59.20' (-62.1908 / -58.9867)</i> Before take off tune NAV1 to IRJ VOR 113.30, set the OBS to 314°. To Fix 01. After take off continue on runway heading 291° until 1,000ft MSL. Waypoint reached when DME reads 2.9nm.....				291	2.8	
	Enroute: To Fix 02. Turn right to 340° and intercept IRJ outbound 314R. To PWL VOR 114.90. Turn left to 314 / 313 ° and maintain hdg..... When you lose the signal from IRJ VOR, change hdg to 317° and retune Nav 1 to Puerto Williams PWL VOR 114.90. After about 1 hour, you should intercept PWL VOR 321R. Head direct to VOR.....				340 314 / 313 317 319 / 320	2.7 507.0	
	To Fix03 After station passage, track PWL VOR OB radial 353°. When DME reads 42nm from PWL, commence descent to 2,500ft and maintain hdg 353° Set NAV1 to GRA VOR/DME 117.30 and OBS to 256°. When DME reads 25nm, start descend to 1,000ft. Waypoint reached when DME needle centers.....				353	70	
	Approach: To runway (runway heading 256°). Turn left to 256°, tune NAV1 to 109.50 Rio Grande ILS, which has DME and intercept the ILS for an instrument landing..... Land: Rio Grande runway 25 Length: 6,545ft Width: 131ft Surface: Asphalt				256	10.6	
Flight No.: 549-04-07-FMP	Arrival Airport Elev. – 65 ft				Estimated totals for this flight>>>		593nm

An ICY CHARTER to ANTARCTICALeg 7 Isla Rey Jorge to Rio Grande - **XP12**

Long flight over the Ocean – Beware of strong head and switching cross winds on this leg. Can take up to 1 hour longer than scheduled

Fuel required: Maximum

From – To	Flight Description. "Allocated runways and related information may change when flying online or using Real Weather"				Course (Leg) Deg	Distance (Leg) nm	
	Dep. Rwy – 29	Init. Hdg – 286deg	Init. Alt – 6,500ft	Apt Elev. – 43ft			
Isla Rey Jorge (SCRM) Antarctica To Rio Grande (SAWE) Argentina	Departure (Dawn + 30mins): Before take off tune NAV1 to IRJ VOR 113.30, set the OBS to 313°. To Fix 01. After take off continue on runway heading 286° until 1,200ft MSL. Waypoint reached when DME reads 3.3nm.....				286	3.2	
	Enroute: To Fix 02. Turn right to 340° and intercept IRJ outbound 313R. To PWL VOR 114.90. Turn left to 314° and maintain hdg..... When you lose the signal from IRJ VOR, change hdg to 317° and retune Nav 1 to Puerto Williams PWL VOR 114.90. After about 1 hour, you should intercept PWL VOR 321R. Head direct to VOR.....				349 314 317 320	2.7 507.0	
	To Fix03 After station passage, track PWL VOR OB radial 354°. When DME reads 42nm from PWL, commence descent to 2,500ft and maintain hdg 354° Set NAV1 to GRA VOR/DME 117.30 and OBS to 257°. When DME reads 25nm, start descend to 1,000ft. Waypoint reached when DME needle centers.....				354	70.0	
	Approach: To runway (runway heading 257°). Turn left to 257°, tune NAV1 to 109.50 Rio Grande ILS, which has DME and intercept the ILS for an instrument landing..... Land: Rio Grande runway 25 Length: 6,532ft Width: 131ft Surface: Asphalt				257	10.6	
Flight No.: 549-04-07-X	Arrival Airport Elev. – 63 ft				Estimated totals for this flight>>>		593nm

An ICY CHARTER to ANTARCTICA

Leg 8 Rio Grande to Puntas Arenas - FSX, MSFS, P3D, XP12

A short hop across Tierra Del Fuego and the Magellan Strait back to home base.

Fuel required: 300 Gals (1,800 lbs)

From – To	Flight Description. "Allocated runways and related information may change when flying online or using Real Weather"				Course (Leg) Deg	Distance (Leg) nm	
	Dep. Rwy – 25 / 26	Init. Hdg – 256/257°	Init. Alt – 4,500ft	Apt Elev. – 66/63ft			
Rio Grande (SAWE) Argentina To Punta Arenas (SCCI)	Departure: Before take off tune NAV1 to GRA 117.30, and OBS to 277°.						
	To Fix 01. After take off continue on runway heading until DME reads 3.0 nm.....				256 / 257	2.6	
	Enroute: To Fix 02. Turn right to 295/290 deg and intercept GRA VOR 277R.....				295 / 290	5.1	
	To Fix 03. Turn left to 276/277° and "ride" the radial. Waypoint reached when flying overhead SCFM, Capitan Fuentes Martinez airport..... Tune Nav 1 to NAS VOR/DME 114.10, and OBS to 291/292°				276/277	90	
	To Fix 04. Overhead SCFM, turn right to hdg 291/292 and start descent to 1,000ft. Waypoint reached when DME reads 5.6nm.....				291 / 292	19.0	
	Approach: To runway (runway heading 306°). Turn to hdg 306° for visual approach to Rwy 30				306	5.0	
	Land: Punta Arenas runway 30 Length: 7,861ft Width: 148/144ft Surface: Concrete / Asphalt						
Flight No.: 549-04-08-FMXP	Arrival Airport Elev. – 139 ft		Estimated totals for this flight>>>			122nm	