



**DC-3 Airways World Rally 2013 – Flight two briefing.**

**From a suggestion by Glen Broome.**

The second World Rally flight begins at Pampa Grande, Cajabamba, Peru. The route is roughly South Easterly with a very steep visual approach to Comandante German Arias Grazz, Anta, Peru. Navigation is mostly Dead Reckoning with some DME and ADF Bearing help. Terrain is a hazard throughout! Keep your E-6B handy!

This is a short flight of about 115nm and flight time will be approximately forty seven minutes. This is a VFR (Visual Flight Rules) flight in clear weather. Current time is 13:45 Local. Some strong  $\pm$  20knot winds and a very small chance of icing are possible.

To begin the flight, from the opening screen select Free Flights, and in the sub menu located above the aircraft image select ... Load / Title and select WR2013-02. To begin the flight when FSX is already open, click Flights/Load and in the Category window select My Saved Flights. In the Title window select WR2013-02 and click Fly Now.

You will be placed at the threshold of grass runway 23 in the default Douglas DC-3. You now have to change aircraft to your chosen DC-3 and prepare for flight. The minimum suggested fuel load is 150 US gallons (903 Lbs.). It is suggested to carry more fuel as the terrain isn't friendly!

Enjoy the flight

WR2013– 02. Pampa Grande, Cajabamba, Peru (SPJB) to Comandante German Arias  
Grazz, Anta, Peru (SPHZ).

**Warning!!** This flight was created using Microsoft Default Scenery. The use of add-on scenery may require an amendment to cruise heights on some flight sections.

The symbol ± where used indicates an approximate course.

**Remember** – To hit key ‘D’ regularly to maintain Gyro accuracy.

From – To		Course (Leg) Deg	Distance (Leg) nm	ETE (leg) HH+MM
	Dep. Rwy: 23      Init. Hdg: 243deg      Init. Alt: 16,500ft      Apt Elev: 8,730ft      Mag / True			
Pampa Grande, Cajabamba (SPJB) Peru.	<b>Departure:</b> Tune Nav1 to TRU VOR/DME, 116.30 MHz. Set OBS to 243degs -- for Waypoint 1. Set ADF to ATA NDB 415.0KHz – For final approach.			
To	<b>To Waypoint 1:</b> Depart Rwy 23. After take off immediately turn right to ±243degs. Commence a very brisk climb (600 – 700fpm suggested) and intercept and fly TRU R-063 Inbound (Course 243degs). Waypoint 1 is at TRU 64.0 DME.....	243° / 246°	6.0	00+03
Comandante German Arias Grazz, Anta (SPHZ) Peru.	<b>En-route:</b> <b>To Waypoint 2:</b> At Waypoint 1 turn left to course ±170deg. Tune NAV1 to BTE VOR, 112.50 MHz. (No DME) Set OBS to 039degs. After approximately six minutes look ahead and observe a triangular peak on the horizon (See image '04-View ahead' in Flight Information folder). Track towards right of peak as indicated in Screenshot. Continue climbing to 16,500ft MSL. <b>Beware terrain.</b> Waypoint 2 is at intersection of BTE R-039.....	170° / 173°	58.4	00+23
	<b>To Waypoint 3:</b> At Waypoint 2, turn left to course ±144deg. Set OBS to 064degs. Commence descent to 13,500ft MSL Waypoint 3 is at intersection of BTE R-064.....	144° / 147°	18.5	00+06
	<b>To Waypoint 4:</b> At Waypoint 3, turn slight right to course ±161deg. Set OBS to 080degs. <b>Beware terrain.</b> Waypoint 4 is at intersection of BTE R-080.....	161° / 163°	12.3	00+05

**To Waypoint 5:** Turn left to course  $\pm 128$ degs. Reset OBS to 272degs. **Beware terrain.** Check ADF is tuned to ATA NDB 415.0KHz. Closely monitor ADF bearing to station. At end of descent slow to approach speed and fully configure aircraft for landing. Waypoint 5 is at interception of 161deg bearing to station ATA NDB.....

128°/ 131°      11.2      00+05

**Suggestion** – You may want to consider saving the flight and the elapsed time at this point in case you wish to repeat the approach!

**Approach and land, Comandante German Arias Grazz, Rwy 16:** Turn right to intercept and closely track the 161deg bearing to ATA NDB (Slightly offset to right at end of runway). Closely monitor the OBS. At interception of BTE R-272 you are 6nm's from Rwy 16 threshold. Airport is hidden below a ridge and may be seen late. Runway is very long at 10,051ft and landing well along the runway is quite acceptable. Look ahead for visual approach to land Rwy 16.....

161°/ 164°      8.7      00+05

**Land: Comandante  
German Arias Grazz      Length: 10,050ft      Width: 98ft      Surface: Asphalt  
Rwy 16**

**Flight: 02      Arrival Airport Elevation : 9,022ft      Estimated totals for this flight >>>      115nm      00+47**