



DC-3 Airways World Rally 2013 – Flight four briefing.

From an actual flight made by John Firth.

The fourth World Rally flight begins at Wilson Airport, Nairobi, Kenya. This flight comprises of THREE flights! The first leg is IFR, ending with a stop to drop off and pick up passengers. The second leg, ending with a stop to again drop off passengers, and the third leg are both VFR and include navigation by dead reckoning. Your E6-B is your friend for this one.

The total distance is approximately three hundred and fifty Nm's, and overall flight time not including stops is approximately two hours and thirty minutes. Weather is good with variable cloud. Current time is 08:30 Local. Some strong \pm 20knot winds aloft 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 WR2013-04. 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 WR2013-04 and click Fly Now.

You will be placed at the threshold of runway 7 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 300 US gallons (1800 Lbs.).

Enjoy the flight.

WR2013– 04. Wilson Airport, Nairobi, Kenya (HKNW) to Lamu/Manda Airport, Lamu/Manda, Kenya (HKLU).

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	Dep. Rwy: 7	Init. Hdg: 071deg	Init. Alt: 9,000ft	Apt Elev: 5,534ft	Course (Leg) Deg	Distance (Leg) nm	ETE (leg) HH+MM
Wilson Airport, Nairobi (HKNW) Kenya.					Mag / True		
To Lamu/Manda Airport, Lamu/Manda (HKLU) Kenya.							
LEG 1- Wilson Airport (HKNW) to Garissa Airport (HKGA).							
Departure:							
Tune Nav1 to NV VOR/DME, 113.10 MHz. Set OBS to 073degs.							
Tune ADF to GA NDB 371.0KHz.							
To Waypoint 1: Depart Rwy 7. Maintain runway heading and commence climb to 9,000ft MSL. Observe OBS To-From indicator for a ‘From’ indication. At NV 8.0 DME turn slight right to 085degs. Monitor NAV1 OBS indication. Waypoint 1 is at interception of NV R-073.....					Init Hdg 071°/ 071°	±27.5	±00+11
En-route:							
To Waypoint 2: At Waypoint 1 turn left to intercept and track NV R-073 Outbound. Continue climb to 9,000ft MSL. At NV 100.0 DME turn to and fly Inbound heading to GA NDB. Commence a slow 300fpm descent to 3,000ft MSL. Slow to 120kts at end of descent. Waypoint is overhead GA NDB.....					073°/ 073°	151.3	01+00
Approach and land, Garissa Airport, Kenya. Rwy 17: Apt Elev: 475ft. Turn left to 348degs and fly heading for three minutes, then make a left ±180deg turn to Course ±168degs. When runway is in sight commence visual approach and land Rwy 17. Note elapsed time. Taxi to parking.....					Init Hdg 073°/ 073°	16.6	00+09
Offload the District Commissioner and his Aide. Welcome on board three Kenya Game Park Rangers along with their kit, for a short flight to Bura East.							

Dep. Rwy: 17 Init. Hdg: 168deg Init. Alt: 3,500ft Apt Elev: 475ft

LEG 2- Garissa Airport (HKGA) to Bura East (HKBR).

Departure:

Tune ADF to GA NDB 371.0KHz.

Warning – Military exclusion zones apply. See image titled Mil Exclusion Zones for details.

To Waypoint 3: After take off commence climb to 3,500ft MSL. When flight established turn slight left to course ±145degs. **Start timer.** Monitor indicated bearing to GA NDB. Waypoint 3 is reached when indication is 339degs bearing to station.....

Init Hdg		
168°/ 168°	25.8	00+11

Approach and land, Bura East Airport, Kenya. Rwy 18: Apt Elev: 344ft. Turn right to intercept and track 159degs bearing Outbound from GA NDB. The river Tana will be in view, which though winding, roughly averages the same course as yourself. Generally follow the river while maintaining course 159degs. When ten minutes have passed since start of timer commence descent to 1,600ft MSL. When runway is in sight correct heading for visual approach and land Rwy 18. **Note elapsed time.** Taxi to parking.....

159°/ 159°	16.6	00+09
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Drop off Rangers and their kit, wish them good poacher hunting.

Dep. Rwy: 18 Init. Hdg: 180deg Init. Alt: 3,500ft Apt Elev: 344ft

LEG 3- Bura East (HKBR) to Lamu/Manda (HKLU).

Departure:

Tune Nav1 to MLD VOR/DME, 113.30 MHz. Set OBS to 184degs.

To Waypoint 4: After take off commence climb to 3,500ft MSL. When flight established turn slight left to course 170degs and again remain between the River Tana and the Bura-Hola Road. Monitor both MLD DME information and observe OBS indication. Maintain course by dead reckoning to MLD 60.0 DME. Ideally the Omni bearing indicator will be central at this point. The degree of variance will indicate track error. You are at Waypoint 4.....

Init Hdg		
180°/ 180°	69.7	00+29

Approach and land, Lamu/Manda Airport, Kenya. Rwy 16: Turn left to course 091degs and maintain course by dead reckoning. Commence a slow descent to 1,800ft MSL. Slow to 120kts at end of descent. When approaching the coast, view images "View ahead 01" and "View ahead 02" for expected forward view. When runway is in sight adjust heading for preferred visual approach to land Rwy 16. **Note elapsed time. Add times for all three legs for PIREP submission.....**

091°/ 091° 44.4 00+22

Finally - John tells me that it was necessary to buzz Lamu during the approach to alert the ferry boat captain that passengers and crew required transportation!

**Land: Lamu/Manda,
Kenya.
Rwy 16**

Length: 5,479ft

Width: 49ft

**Surface:
Bituminous**

Flight: 04

Arrival Airport Elevation : 19ft

Estimated totals for this flight >>>

352nm 02+31