

DC-3 Airways - Charter Flight: 324-09, Capitals of Europe

CoE for CoF - CAPITALS OF EUROPE for Century of Flight (Certified for FS2002)

This is a sight seeing tour for passengers that covers most of the capitals in Western Europe. In some cases, Microsoft didn't give us much to work with. We'll make the best of it for the sake of our paying passengers (PAX).

While the scenery in FS2004 (CoF, Century of Flight) may be better, nearly all the points in this charter are also available in FS2002. To avoid confusion, I've created a separate description for FS2004 and FS2002. The legs have not been verified for FS2000.

Abbreviations:

AGL	Above Ground Level	Length	Length of runway
Approx	Approximately	METO	Max (power) Except Take Off
BOD	Beginning Of Descent	MSL	Mean Sea Level
DIR	Direct	NDB	Non Directional Beacon
DR	Dead Reckoning	OB	Out Bound
Elev	Runway Elevation	Rwy	Runway
HDG	Heading	VOR	VHF Omni Range

NOTAMS

There are FSNavigator flight plans for all legs of the charter. The descriptions contained in this file will not cover every point (FixNN) with headings, times, etc. Much of the sight seeing trip will be by pilotage and direct to navigation aids.

To view the scenery mentioned in this charter, you will need Display Settings set to at least:

FS2004: Scenery – Objects set to Complex and Auto Generation set to Very Dense

FS2002: Scenery Tab – Texture Quality to Max and Auto Generation set to Very Dense

You do not need any special download files. Everything I've mentioned is contained in the default scenery files within the two Flight Simulator versions (FS2002, FS2004).

Liberal use of the “W” key (Maximize view) is suggested for a better view.

All flights should be day, VFR so the PAX get the best view. You may want to disable crashes.

Here is a quick run down on the scenery you will be pointing out to your passengers.

London – Tower Bridge (fly through the bridge between the towers), St. Paul's Cathedral, Millennium Dome, Houses of Parliament, a huge Ferris Wheel (FS2004 only) and the white cliffs of Dover (this part of the leg causes passengers to riot).

Amsterdam – a small boy with his finger in a dike (this one may be an hallucination).

Amsterdam to Brussels and then to Bern, Switzerland (Belp) – Microsoft shorted us on scenery in these cities.

Ulrichen, Switzerland – this airport lies in a “pot hole” at the bottom of a 6,000-foot valley. Real sporty approach. Fly the reverse track for extra credit.

Rome – on the approach to Fiumicino Airport you will spot St. Peter's at Vatican City and the Coliseum
You need a bit of a rest so you transport the plane to Athens by ship.

Athens – after takeoff, you spot the Parthenon before taking your passengers to the Island of Milos.
In need of another rest, you again load the plane on a ship and travel with it to Lisbon.

Lisbon to Madrid – again, Microsoft didn't include much in the way of scenery here.

Madrid to Nice – enroute, you will overfly Andorra (one of the smallest countries in Europe) in the Pyrenees Mountains and finally land at Nice, France.

Nice to Orly (Paris) - again, minimum scenery.

Paris to Cologne (Bonn) - on the way out of town, follow the Seine River and show the passengers Notre Dame Cathedral, the Soccer Stadium, the Arc de Triomphe, the Grand Palaces and fly under the Eiffel Tower before heading to Germany.

Cologne-Bonn to Tempelhof (Berlin) – on arrival at Berlin, show the passengers the Fernsehturm tower, the Reichstag (seat of German Bundestag or government), the Siegessaule Monument in the Tiergarten then reverse course for a look at the Brandenburg Gate.

Norbert Platt (DC3-663) helped me with the points of interest around Berlin. Any misidentifications are mine, not his. Thanks Nobbie.

From / To	Flight Description	Course (Leg)	Dist. (Leg)	ETE (Leg)
London City, England (EGLC) to Lydd Airport, England (EGMD)	Charter Leg: 324-09-01 Initial Altitude – 600 MSL Dpt Rwy 28 , (Elev 16, Length 3922 x 98, concrete) = After takeoff, turn right and follow the Thames River = Level off at 600 MSL = Fix05 – Tower Bridge (just after the bridge, the Tower of London and St Paul’s Cathedral are on the right) – Drop down to 150 MSL and fly “through” the bridge ----- = Fix06 – Millennium Dome on the left ----- = Fix07 – Houses of Parliament on the right and (FS9 only) a large Ferris Wheel on the left ----- = Fix14 – Continue to follow Thames River until due north of OCK VOR (115.3) Heathrow Airport will be to your right. Turn left and climb to 1500 MSL = Ockham, OCK VOR ----- = Dover, DVR VOR (114.95) ----- = Turn South, descend to 300 MLS and give the passengers a good look at the White Cliff of Dover ----- Where are the White Cliffs? In FS2002, they do not exist! In FS2004 they are a dirty gray. In either case, your passengers are staging a mutiny and are throwing seat cushions. Bar the cockpit door and get the plane on the ground as quickly as possible. = Direct to DU NDB (300.5), land at Lydd Airport and get the rowdies off your plane as quickly as you can. ----- = Land Rwy 32, (Elev 9, Length 2264 x 115, asphalt) Approximate totals			0+03 0+00:30 0+00:30 0+02 0+29 230 230
			123	0+53

From / To	Flight Description	Course (Leg)	Dist. (Leg)	ETE (Leg)
Lydd Airport, England (EGMD) To Schiphol Amsterdam, Netherlands (EHAM)	Charter Leg: 324-09-02 Initial Altitude – 1000 MSL = Dpt Rwy 04, (Elev 9, Length 5027 x 121, asphalt) = After takeoff turn left DIR to LYX NDB = Lydd, LYX NDB (397.0) ----- = Calais-Dunkirk, MK NDB (418.0) ----- = Costa, DOA VOR (110.05) ----- = Haamstede, HSD VOR (114.15) ----- = Valkenburg, VBG DME (111.2) ----- = Amsterdam, AMS VOR (113.95) -----			
		037	2	0+01
		091	42	0+18
		070	53	0+22
		043	29	0+12
		041	33	0+14
		049	15	0+06
	= Track outbound from AMS VOR on 043 radial for 7.2 nm (Fix01) – Look down – is that a young boy with his finger stuck in a dike? (Guess not!)-----	043	7.2	0+03
	= Climb to 2000 MSL and turn right to WP NDB = Schiphol (Amsterdam) WP NDB (376.0) ----- Intercept localizer Hdg 270, needle will center rapidly	131	9	0+09
	= ILS to Schiphol, Rwy 27, (111.5, Hdg 270) -----	270	8	0+04
	= Land Rwy 27, (Elev -9, Length 11301 x 148, asphalt)			
	Approximate totals		199	1+24

From / To	Flight Description	Course (Leg)	Dist. (Leg)	ETE (Leg)
<div>Belp, Bern, Switzerland (LSZB)</div> <div>to</div> <div>Ulrichen, Switzerland (LSMC)</div> <div>return to</div> <div>Belp, Bern, Switzerland (LSZB)</div>	Charter Leg: 324-09-04 Initial Altitude – 10,500 MSL			
	Dpt Rwy 32, (Elev 1669, Length 4295 x 98, asphalt)			
	= After takeoff turn right DIR WIL VOR			
	= Willisau, WIL VOR (116.15) -----	047	23	0+10
	= Track outbound from WIL VOR on 160 deg radial			
	= At WIL 160/40 DME, cross a ridge (press “W” key and look down) -----	160	44	0+19
	= Ulrichen is 4419 Elev and sits in a “pot hole” in a 6000 foot valley -----	160		
	= At WIL 160/43.7 DME, over runway – suggested approach: Turn right to 230 deg, descend to 6500 MSL. Make a 180 deg turn to the left to hdg of 050, descending to 5400. ID runway and make VFR landing on Rwy 05 -----	230/050		
	= Land Rwy 05, (Elev 4419, Length 6890 x 131, asphalt)			
	PIREP for flight – 324-09-04			
= On the ground, make 180 turn on the runway and prepare to depart Rwy 23. Fly reverse route to Belp.				
PIREP for reverse trip – 324-09-04R				
Approximate Totals (both flights)			134	0+54

From / To	Flight Description	Course (Leg)	Dist. (Leg)	ETE (Leg)
<div>Belp Bern, Switzerland (LSZB) to Fiumicino Rome, Italy (LIRF)</div>	Charter Leg: 324-09-05			
	Initial Altitude – 9500 MSL			
	Dpt Rwy 14, (Elev 1669, Length 4295 x 98, asphalt) = After takeoff turn right DIR MOT VOR, expedite climb, the Alps are dead ahead (suggest METO power, 80 kt climb). = Montana, MOT VOR (115.85) -----	181	36	0+15
	Expedite climb to 13,500 MSL, put on oxygen mask, the PAX will be real quiet, sleeping. After passing the Alps ... ASAP, BOD to 9500 MSL, the passengers lips are turning blue			
	= Voghera, VOG VOR (155.5) -----	143	98	0+36
	= Pisa, PIS VOR (112.1) -----	142	98	0+36
	= Tarquinia, TAQ VOR (111.8) -----	145	106	0+39
	BOD to 2000 MSL			
	= Campagnano, CMP VOR (111.4) -----	100	29	0+11
	BOD to 1100 MSL			
	= Fix01 – CMP 165/12 DME (St Peter’s Cathedral, Vatican City) -----	165	12	0+05
	Left Turn to 120 deg			
	= Fix02 – Coliseum -----	120	2	0+01
	Climb to 2000 MSL			
	= Urbe (Rome), URB NDB (285.0) -----	001	3	0+02
	= Fiumicino (Rome), FN NDB (421.0) -----	260	12	0+05
	= Fiumicino (Rome), FW NDB (345.0) -----	222	2	0+01
= ILS Rwy 16R, (110.3, Hdg 162) -----	162	4	0+02	
Intercept Glide Slope prior to Localizer.				
= Land Rwy 16R, (Elev 13, Length 12813 x 197, asphalt)				
	Approximate Totals		406	2+32
	Have your trusty DC-3 loaded onto a tramp steamer and ship the bird to Athens, Greece. REFUEL			

From / To	Flight Description	Course (Leg)	Dist. (Leg)	ETE (Leg)
Athens, Greece (LGAT) to Milos Island, Greece (LGML)	Charter Leg: 324-09-06 Initial Altitude – 700 MSL Dpt Rwy 33L, (Elev 65, Length 10353 x 148, asphalt) = After takeoff right turn, DIR ATH VOR = Athens, ATH VOR (114.4) ----- Track outbound 358 deg radial, ATH VOR = Fix01 (Stadium) ----- Turn left to 286 deg = Fix01 (Parthenon) ----- Climb to 1500 MSL = Aigina, EGN NDB (382.0) ----- = Milos, MIL VOR (113.5) ----- No lower than 1000 MSL until established on final approach Turn right, Hdg 163 to MLS DME (only) = Milos, MLS DME only (117.8) ----- = Land VFR, Milos Island Airport, Rwy 26 ----- Info – Milos, MLO NDB (378.0) located at airport Land Rwy 26, (Elev 9, Length 2625 x 82, asphalt) <div style="text-align: right;">Approximate Totals</div> Load your DC-3 onto another ship and travel to Lisbon, Portugal	008	0.5	> 0+01
		358	4	0+02
		286	1.5	0+00:30
		223	19	0+08
		137	6	0+03
		163	2.4	0+01
		254	3	0+01
			113	0+54

From / To	Flight Description	Course (Leg)	Dist. (Leg)	ETE (Leg)
Lisbon, Portugal (LPPT) to Barajas, Madrid, Spain (LEMD)	Charter Leg: 324-09-07 Initial Altitude – 9500 MSL Dpt Rwy 35, (Elev 370, Length 7906 x 148, asphalt) = After takeoff, DIR LIS VOR = Lisbon, LIS VOR (114.8) ----- = Nisa, NSA VOR (115.5) ----- = Caceres, CCS VOR (114.2) ----- = Toledo, TLD VOR (113.2) ----- BOD to 4000 MSL, 23 DME past TLD VOR = Perales, PDT VOR (116.95) ----- = Barajas (Madrid), MA NDB (390.0) ----- = Land, VFR Rwy 33, Barajas Airport ----- = Land Rwy 33, (Elev 1998, Length 13484 x 197, asphalt)			
		355	7	0+03
		061	71	0+27
		097	68	0+26
		079	100	0+37
		074	49	0+18
		328	11	0+02
		328	5	0+02
	<p style="text-align: right;">Approximate Totals</p>		307	1+55

From / To	Flight Description	Course (Leg)	Dist. (Leg)	ETE (Leg)
Madrid, Spain (LEMD) to Nice, Cote d'Azur, France (LFMN)	Charter Leg: 324-09-08 Initial Altitude – 5500 MSL			
	Dpt Rwy 15, (Elev 1998, Length 13484 x 197, asphalt)			
	= DIR Barajas, (Madrid) AA NDB (355.0) -----	147	3	0+01
	= Castejon, CJN NDB (362.0) -----	099	47	0+19
	= Calamocha, CMA NDB (375.0) -----	064	64	0+25
	= Zza, ZZA NDB (348.0) -----	028	46	0+18
	Climb to 10500 MSL (terrain clearance)			
	= Lerida, LRD NDB (404.0) -----	095	69	0+27
	= Seo De Urgel, SEO NDB (340.0) -----	042	53	0+21
	Dpt SEO NDB on Hdg of 040 to Fix01			
	= Fix01, Intercept 178 deg radial of Toulouse, TOU VOR (117.7)--	040	5	0+02
	Track inbound 358 deg to TOU VOR			
	= Fix02 – Overfly Andorra, TOU VOR 178/59 DME -----	358	24	0+10
	= Pamiers, PMR NBD (384.0) -----	020	25	0+10
	BOD to 9500 MSL			
	= Beziers, ZR NDB (397.0) -----	081	75	0+30
	BOD to 5500 MSL, give PAX view of coastline			
	= Montpellier, FG NDB (339.0) -----	069	35	0+14
	= Marseille, MAR NDB (383.0) -----	096	49	+019
	BOD to 3500 MSL			
	= Cannes, CNM VOR (111.4) -----	087	76	0+30
	BOD to 2000 MSL			
	= Nice, NC NDB (338.0) -----	082	11	0+05
	= Land Nice/Cote d'Azur, ILS Rwy 04R (110.7, Hdg 046) -----	138	5	0+02
	Intercept Glide Slope prior to Localizer			
	Land Rwy 04R, (Elev 9, Length 9713 x 148, asphalt)			
	Approximate Totals		585	3+52
	Take a short bus ride to Monaco to see if you can win enough money gambling to buy gas for the next leg :-) See you tomorrow morning. REFUEL			

From / To	Flight Description	Course (Leg)	Dist. (Leg)	ETE (Leg)
Nice, Cote d’Azur, France (LFMN) to Orly, Paris, France (LFPO)	Charter Leg: 324-09-09 Initial Altitude – 8500 MSL Dpt Rwy 22R, (Elev 9, Length 8425 x 148, asphalt) = After takeoff turn right DIR CGS VOR = Cagnes-Sur-Mer, CGS VOR (109.2) ----- = Digne, DGN VOR (113.85) ----- = Grenoble, WS NDB (291.0) ----- = Autun, ATN VOR (114.9) ----- = Auxerre, AX NDB (417.0) ----- BOD to 3000 MSL = Melun, MV NDB (434.0) ----- BOD to 2500 MSL = Orly (Paris), OYE NDB (349.0) ----- = ILS OLW Rwy 26 (111.75, Hdg 258) ----- Land Rwy 26, (Elev 291, Length 10882 x 148, concrete)			
		297	5	0+02
		297	50	0+20
		336	92	0+36
		340	94	0+37
		338	74	0+29
		335	43	0+17
		308	21	0+09
		258	6	0+03
	<p style="text-align: right;">Approximate Totals</p>		384	2+33

From / To	Flight Description	Course (Leg)	Dist. (Leg)	ETE (Leg)
Orly, Paris, France (LFPO) to Cologne (Bonn), Germany (EDDK)	Charter Leg: 324-09-10 Initial Altitude – 700 MSL Dpt Rwy 07, (Elev 291, Length 11961 x 148, concrete) = After takeoff, Rwy Hdg to river, turn left and follow the Seine -- = Fix05, Palais Omnisports (large green stadium on right) ----- = Fix06, Notre Dame Cathedral (on 2nd island in river) ----- = Fix08, Louvre Museum (on right) ----- = Fix09, Petit Palace (5 sided) & Grand Palace (atrium, green roof, both on right) ----- Fly to the right, over Palaces, follow broad boulevard, the Avenue des Champs Elysees (approx 300 deg) Hang on, the next sightseeing points come quick and fast! Slow to approx 110 kts.	070	5 13 1 1 0.7	0+02 0+06 0+00:30 0+00:30 0+00:15
	= Fix11, Arc de Triomphe ----- = Follow the broad avenue to the river and turn Left (about 90 deg) and follow river. -----			
	= When the Eiffel Tower is off your left wing tip, turn 90 deg to Left and aim for Soccer Stadium. = Descend to 250 MSL in the following turns			
	= Immediately make a 90 deg Left turn (to approx 040 deg) followed by a 90 deg Right turn. Roll out approx Hdg 135 and the Eiffel Tower should be straight ahead			
	= Fix19, Eiffel Tower (fly under the tower) ----- There is a lot of radio chatter trying to identify a low flying DC-3. It's time to get out of Paris. Continued ==>			
		309	1	0+00:30
		290		
		135	4	0+02

From / To	Flight Description	Course (Leg)	Dist. (Leg)	ETE (Leg)
(continued) Orly, Paris, France (LFPO) to Cologne-Bonn, Germany (EDDK)	Charter Leg: 324-09-10 (continued) Initial Altitude – 5500 MSL = After passing under the Eiffel Tower, continue Hdg 125 and climb to 5500 MSL			
	= Orly (Paris), OYE NDB (349.0) -----	125	12	0+05
	= Boursonne, BSN VOR (114.85) -----	041	33	0+13
	= Reims, REM VOR (112.3) (VOR may be off the air) -----	082	39	0+15
	= Montmedy, MMD VOR (109.4) -----	086	42	0+17
	= Luxembourg, WLU NDB (346.0) -----	075	38	0+15
	BOD to 3000 MSL			
	= Mendig, NMN NDB (331.0) -----	047	68	0+27
	= Cologne-Bonn, LV NDB (327.0) -----	356	6	0+02
	= ILS 32R (109.7, Hdg 319) -----	319	4	0+02
	Intercept Glide Slope prior to Localizer			
	= Land Rwy 32R, (Elev 301, Length 12495 x 197, asphalt)			
	Approximate Totals		287	1+55

