

FLIGHT FOLDER

Report

List of documents :

Flight crew
Flight aim
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Ordre d'essai / Flight crew

Plan de vol	G. Seurat
CdB	G. Seurat
OPL	D. Duchanoy
jump seat	C. Lendroit
Expé principal SAFIRE	H.Bellec
Expé SAFIRE	G.Vergez
PI	C. Flamant
Expés instruments	H.Schulz, P.Coutris
Expés instruments	C.Caudoux,A.Robertson
Expés instruments	N.Rochetin

Heure de décollage
Take-off time

17:20:48

Durée du vol
flight duration

4.7

Objectif du vol/Flight aim

EUREC4A

Profil du vol / Flight Pattern

Flight with first leg FL80,
three rectangles (start after the Entry Point, East leg North/South) at cloud base level
(3000 and 2500 ft QNH,).
Two "L" pattern at levels 2000 ft, and 1000 ft. Leg at 60m, during 7 minutes.
Leg 10 minutes at FL100.



vol ATR F-HMTO n° 14 7 february 2020

Top sheet
Report Writer G.Vergez

Departure parameters

Leaving apron : 17:07:44	QNH : 1017 hPa
Take-off : 17:20:48	wind : 090° 21kt ; T : 30°C ; Td : 20°C
Landing : 21:42:14	Bkn 2000ft, visi > 10 km

Top	Data	Time	Seconds	Alt (alt_qnh in ft)	Comments
1	43	16:13:48	58428	ground	TERPS reading 1010,77 hPa (door open), corrected 1010.70 hPa.
2	290	16:17:55	58675	id.	Top clock : 16:17:54, Safire QNH calibration = 1017 hPa
3	3278	17:07:44	61664	id.	Leaving apron
4	4062	17:20:48	62448	ground ↗	Take-off. De-ice Gerber on.
5	4078	17:21:04	62464	↗	Radome holes vent
6	4612	17:29:58	62998	↗ FL080	Stable at level.
7	5150	17:38:56	63536	FL080	Above of Cu med. Zone. Some summit near FL080.
8	5396	17:43:02	63782	id	Wider stratiform cloud layer
9	5494	17:44:40	63880	id	Turn right to North/South leg
10	5665	17:47:31	64051	FL080 ↘	Descending to 3300 ft
11	5744	17:48:50	64130	5370 ft ↘	Crossing cloud layer
12	5780	17:49:26	64166	4800 ft ↘	Exit layer, light turbulence.
13	5860	17:50:46	64246	↘ 3000 ft	Stable 3000 ft QNH. Beginning rectangle 1 North/South leg.
14	5984	17:52:50	64370	3000 ft ↗	Slow climbing.
15	6040	17:53:46	64426	↗ 3223 ft	Stop climbing.
16	6175	17:56:01	64561	id.	crossing several little Cu. At the left, base Cu lower
17	6527	18:01:53	64913	id.	End North/South leg. Turn westward.
18	6569	18:02:35	64955	id.	Stable W/E leg.
19	6679	18:04:25	65065	id.	End leg. Turn.
20	6709	18:04:55	65095	id.	Stable, S/N leg (rectangle 1)
21	6770	18:05:56	65156	3214ft ↘	Slow descent.
22	6817	18:06:43	65203	↘ 2912 ft	Stable
23	7052	18:10:38	65438	2912 ft	Crossing some clouds

Top	Data	Time	Seconds	Alt (alt_qnh in ft)	Comments
24	7363	18:15:49	65749	2912 ft	Reaching EUR1
25	7765	18:22:31	66151	id.	Crossing clouds, light turbulences.
26	7975	18:26:01	66361	id.	End S/N leg, turn West
27	8005	18:26:31	66391	id.	Beginning W/E leg.
28	8141	18:28:47	66527	id.	End W/E leg
29	8177	18:29:23	66563	id.	Beginning N/S leg
30	8795	18:39:41	67181	id.	End rectangle1, beginning rectangle 2.
31	8936	18:42:02	67322	id.	Check speed from pilots: TAS 192 kt, IAS 180 kt
32	9305	18:48:11	67691	id.	Crossing cloud.
33	9384	18:49:30	67770	id.	End N/S leg, turn westward.
34	9424	18:50:10	67810	id.	Beginning E/W leg
35	9488	18:51:14	67874	2912 ↘	Descent
36	9521	18:51:47	67907	↙2740 ft	End E/W leg, turn northward.
37	9564	18:52:30	67950	2740 ft ↘	Beginning S/N leg,
38	9585	18:52:51	67971	↙2634 ft	Just stable before descent
39	9668	18:54:14	68054	↙2528 ft	Stable 2528 ft.
40	10219	19:03:25	68605	2542 ft	1 km above, stratiform clouds thickening. Rasta info : 500 m thickness.
41	10819	19:13:25	69205	Id	End S/N leg. Turn eastward.
42	10860	19:14:06	69246	Id	Stable W/E leg.
43	10907	19:14:53	69293	id	De icing on, tbrtd.
44	10993	19:16:19	69379	↙ 2541	End W/E, turn southward
45	11027	19:16:53	69413	2541	Stable N/S leg
46	11247	19:20:33	69633	2538 ft	Light turbulences during 3'.
47	11654	19:27:20	70040	id.	End R2, begin R3
48	11841	19:30:27	70227	id	Crossing clouds, light turbulences.
49	12270	19:37:36	70656	id	End N/S leg, turn westward.
50	12289	19:37:55	70675	id	Stable E/W leg.
51	12382	19:39:28	70768	id	End E/W leg, turn northward.
52	12420	19:40:06	70806	id	Stable S/N leg, crossing some light Cu.
53	13143	19:52:09	71529	id	Calm and clear sky.

Top	Data	Time	Seconds	Alt (alt_qnh in ft)	Comments
54	13700	20:01:26	72086	2541 ft	End S/N leg, turn.
55	13751	20:02:17	72137	id	Beginning W/E leg.
56	13865	20:04:11	72251	id	End W:E leg, Some crossing clouds, light turbulences.
57	13913	20:04:59	72299	id	Begin N/S leg.
58	14511	20:14:57	72897	id	End rectangle 3, turn right to EUR1.
59	14599	20:16:25	72985	2541 ft ↘	Beginning descent.
60	14654	20:17:20	73040	↘ 2128 ft	Stable, little turn for alignment
61	14933	20:21:59	73319	2121 ft	Beginning L1, W/E leg.
62	15688	20:34:34	74074	id	End W/E leg, turn southward
63	15732	20:35:18	74118	id	Stable for N/S leg, L1.
64	16301	20:44:47	74687	2121 ft ↘	End N/S leg, descent 1100 ft.
65	16606	20:49:52	74992	↘ 1070 ft	Beginning L2 S/N leg
66	17223	21:00:09	75609	id	End 1 st leg L2, turn left.
67	17270	21:00:56	75656	id	Beginning 2 nd leg, E/W
68	17860	21:10:46	76246	1070 ft ↘	End L2, descent 200 ft.
69	17955	21:12:21	76341	↘ 256 ft	Stable 256 ft QNH.
70	18383	21:19:29	76769	256 ft ↗ FL100	End of 7 ' at 200 ft. Climbing FL100
71	18825	21:26:51	77211	↗ FL100	Stable FL100.
72	19176	21:32:42	77562	FL100	Light turn
73	19236	21:33:42	77622	FL100 ↘	End of level, descent to BGI.
74	19748	21:42:14	78134	↘ ground	Landing
75	20426	21:53:32	78812	Ground	Parking

Comments :

Sensing LWC300 broken in the middle of the flight.

1 st rectangle	1 st "L" pattern
2 nd rectangle	2 nd "L" pattern
3 rd rectangle	