

FLIGHT FOLDER

Report

List of documents :

Ordre d'essai
Journal de bord de l'ingénieur
Feuille de tops
Fiches de suivi instruments

Ordre d'essai

Plan de vol	G. Seurat
CdB	D. Duchanoy
Copilote	G. Seurat
Occupant jump seat	T. André
Expé principal SAFIRE	M. Cluzeau
Expé SAFIRE	T. Jiang
PI	M. Lothon
Expés instruments	C. Legac, C. Caudoux
Expés instruments	A. Schwarzenboeck, A. Baron
Expés instruments	C. Muller

Heure de décollage
Take-off time

14 :59

Durée du vol
flight duration

3.9

Objectif du vol/Flight aim

EUREC4A

Profil du vol / Flight Pattern

Flight with two rectangular at cloud base level (1800 ft) and one half-rectangle at 2250 ft
Two L pattern at different level (1250/725 ft)
Track at FL100



vol ATR F-HMTO n° 7 du 31 janvier 2020

Top sheet
Report Writer : T. Jiang

Departure parameters

Leaving apron : 14:54:45	QNH : 1018 hPa
Take-off : 14:59:13	wind : 90° 18kt ; T : 29°C ; Td : 23°C
Landing : 18:48:35	visi >10 km

Top	Data	Time	Seconds	Alt	Comments
1	115	14:28:45	52125.520	ground	TERPS reading 1008.33 hPa
2	1003	14:43:34	53014.520	id.	Safire QNH calibration (>qnh xxx) = 1014 hPa
3	1674	14:54:45	53685.520	id.	Leaving apron
4	1942	14:59:13	53953.520	ground ↗	Take-off (rotation) RWY09
5	2009	15:00:20	54020.520	1000 ft	Radome holes vent
6	2074	15:01:25	54085.520	↗ 1900 ft	At cloud base level (Cu)
7	2385	15:06:36	54396.520	FL070	At cloud top, reboot Climat Cimel ce332
8	2542	15:09:13	54553.520	FL080	Stable at FL080
9	2912	15:15:23	54923.520	id.	Above the second cloud layer
10	3177	15:19:48	55188.520	FL080 ↘	Entry Point Descent, right turn and holding pattern
11	3402	15:23:33	55413.520	6500 ft ↘	Entry Point, holding pattern At top of Cloud (Cu), light turbulence
12	3529	15:25:40	55540.520	4500 ft ↘	At the cloud top (Cu), light
13	3652	15:27:43	55663.520	2000 ft ↘	At the cloud base
14	3694	15:28:25	55705.520	1850 ft ↘	Entry Point Beginning of the South/North Leg Just above cloud base, above the dry mist
15	4215	15:37:06	56226.520	1800 ft	crossing clouds, light turbulence
16	4329	15:39:00	56340.520	id.	End of the South/North Leg Right turn
17	4365	15:39:36	56376.520	id.	Beginning of the West/East Leg
18	4484	15:41:35	56495.520	id.	End of the West/East Leg, Right turn
19	4525	15:42:16	56536.520	id.	Beginning of the North/South Leg
20	4842	15:47:33	56853.520	1800 ft	light turbulence
21	4911	15:48:42	56922.520	id.	crossing clouds
22	5362	15:56:13	57373.520	id.	Cloud layer above the aircraft

Top	Data	Time	Seconds	Alt	Comments
23	5652	16:01:03	57663.520	id.	Downpour in front of the aircraft
24	5693	16:01:44	57704.520	id.	Beginning of the rain, light turbulence
25	5762	16:02:53	57773.520	id.	End of the North/South Leg, Right turn
26	5802	16:03:33	57813.520	id.	Beginning of the East /West Leg
27	5910	16:05:21	57921.520	id.	End of the East /West Leg, Right turn
28	5957	16:06:08	57968.520	id.	Beginning of the South/North Leg
29	6069	16:08:00	58080.520	id.	crossing clouds, light turbulence
30	6570	16:16:21	58581.520	id.	Entry Point, the middle of the South/North Leg
31	7008	16:23:39	59019.520	id.	crossing clouds, light turbulence
32	7185	16:26:36	59196.520	id.	End of the South/North Leg Right turn
33	7230	16:27:21	59241.520	id.	Beginning of the West/East Leg
34	7352	16:29:23	59363.520	id.	End of the West/East Leg, Right turn
35	7393	16:30:04	59404.520	id.	Beginning of the North/South Leg
36	8641	16:50:52	60652.520	id.	End of the North/South Leg, Right turn
37	8691	16:51:42	60702.520	id.	Beginning of the East /West Leg
38	8793	16:53:24	60804.520	id.	End of the East /West Leg, light turbulence Right turn
39	8838	16:54:09	60849.520	id.	Beginning of the South/North Leg crossing clouds, light turbulence, rain
40	9426	17:03:57	61437.520	1800 ft ↗	Entry Point, right turn, climbing Beginning of the West/East Leg in the middle of rectangle
41	9597	17:06:48	61608.520	2250 ft	End of the West/East Leg, Right turn
42	9676	17:08:07	61687.520	id.	Aligned on the North/South Leg
43	10116	17:15:27	62127.520	2250 ft	crossing clouds, light turbulence
44	10247	17:17:38	62258.520	id.	End of the North/South Leg, Right turn
45	10286	17:18:17	62297.520	id.	Beginning of the East /West Leg
46	10420	17:20:31	62431.520	id.	End of the East /West Leg, right turn, Beginning of the South/North Leg
47	11037	17:30:48	63048.520	2250 ft ↘	Entry Point, End of the half- South/North Leg, Beginning descent, left turn
48	11191	17:33:22	63202.520	1260 ft	Entry Point, beginning 1 st "L" pattern, West/East Leg

Top	Data	Time	Seconds	Alt	Comments
49	11536	17:39:07	63547.520	id.	rain
50	11934	17:45:45	63945.520	id.	East_L Point, End of the West/East Leg, Right turn
51	11982	17:46:33	63993.520	id.	1 st "L" pattern, beginning of the North/South Leg
52	12596	17:56:47	64607.520	id.	End of 1 st "L" pattern, North/South Leg
53	12662	17:57:53	64673.520	id.	Right bank 60° (right turn)
54	12799	18:00:10	64810.520	1250 ft ↘	beginning 2 nd "L" pattern, South/North Leg South_L Point, beginning descent
55	12871	18:01:22	64882.520	725 ft	Stable
56	13375	18:09:46	65386.520	id.	End of the South/North Leg and left turn
57	13430	18:10:41	65441.520	id.	Beginning of the East /West Leg, under St
58	14062	18:21:13	66073.520	725 ft ↗	End of 2 nd "L" pattern, East /West Leg Right turn and climbing
59	14519	18:28:50	66530.520	FL100	Stable
60	15367	18:42:58	67378.520	FL100 ↘	beginning descent since 18:41
61	15704	18:48:35	67715.520	↘ ground	Landing
62	15821	18:50:32	67832.520	id.	NOP
63	15872	18:51:23	67883.520	id.	Stop for refuelling

Comments :

Wind measurements are wrong, sample device must be checked

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