

DOSSIER DE VOL

Compte-rendu

Liste des 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	G. Seurat
Copilote	J.-F. Bourdinot
Occupant jump seat	K ; Salaun
Expé principal SAFIRE	T. Perrin
Expé SAFIRE	C. Lainard
PI	S. Bony
Expés instruments	J. Delanoë
Expés instruments	A. Schwarzenboeck, P. Chazette
Expés instruments	R. Vogel, F. Janselm

Heure de décollage
Take-off time

11:11

Durée du vol
flight duration

4.4

Objectif du vol/Flight aim

EUREC4A

Profil du vol / Flight Pattern

Flight with three rectangular at different base cloud level (750/650 m)
Two L pattern at different level (520/300 m)
Track at 60 m



vol ATR F-HMTO n° 6 du 30 janvier 2020

Feuille de tops
Rédacteur du compte-rendu : C. Lainard

Paramètres de départ

Leaving apron : 10:56	QNH : 1014 hPa
Take-off : 11:11	wind : 100° 15kt ; T : 26°C ; Td : 22°C
Landing : 15:33	visi >10 km ; SCT 2000 ft

Top	Data	Time	Seconds	Alt	Comments
1	259	09:39:19	34759.760	ground	TERPS reading 1008.33 hPa
2	300	09:40:00	34800.760	id.	Time top = 9:40:00
3	4845	10:55:45	39345.760	id.	Safire QNH calibration (>qnh xxx) = 1014 hPa
4	4895	10:56:35	39395.760	id.	Leaving apron
5	5809	11:11:49	40309.760	ground ↗	Take-off (rotation) RWY09
6	5980	11:14:40	40480.760	↗ 2800 ft	At cloud level (4/8 Cu hum, med)
7	6052	11:15:52	40552.760	4700 ft ↗	Radome holes vent
8	6330	11:20:30	40830.760	↗ FL080	Stable at FL080
9	7101	11:33:21	41601.760	FL080 ↗	Entry Point (4/8 Cu hum, med) Descent, right turn and holding pattern
10	7452	11:39:12	41952.760	4090 ft ↗	holding pattern At top of Cloud (Cu), light turbulence and right turn
11	7613	11:41:53	42113.760	2400 ft ↗	through cloud (Cu hum, med)
12	7822	11:45:22	42322.760	↘ 2300 ft / 750m	Entry Point Beginning of Leg aSouth/North Just above cloud base (Cu hum, med)
13	8446	11:55:46	42946.760	2300 ft / 750m	Right turn End of Leg South/North
14	8609	11:58:29	43109.760	id.	Right turn Beginning of Leg North/South
15	9291	12:09:51	43791.760	↘ 740 m	Descent 10 meters
16	9890	12:19:50	44390.760	↘ 690 m	End of Leg North/South Descent at 690 meters and right turn
17	10079	12:22:59	44579.760	690 m	End of right turn Beginning of Leg South/North
18	10553	12:30:53	45053.760	↗ 740 m	Climbing at 740 meters

Top	Data	Time	Seconds	Alt	Comments
19	10757	12:34:17	45257.760	740 m	Entry Point since one time
20	11291	12:43:11	45791.760	740 m	End of Leg South/North and right turn
21	11493	12:46:33	45993.760	id.	End of right turn Beginning of Leg North/South
22	12125	12:57:05	46625.760	id.	Middle of Leg North/South
23	12472	13:02:52	46972.760	740 m ↗	Climbing at cloud base level
24	12560	13:04:20	47060.760	↘ 660 m	Stable at 660 m
25	12752	13:07:32	47252.760	660 m	Right turn End of Leg North/South
26	12884	13:09:44	47384.760	id.	Right turn Beginning of Leg South/North
27	13550	13:20:50	48050.760	id.	Entry Point, middle of Leg South/North
28	13672	13:22:52	48172.760	660 m ↗	climbing
29	13722	13:23:42	48222.760	↗ 740 m	Stable at 740 m
30	13766	13:24:26	48266.760	↗ 720 m	Stable at 720 m
31	14171	13:31:11	48671.760	720 m	End of Leg South/North Right turn
32	14326	13:33:46	48826.760	id.	Right turn
33	14368	13:34:28	48868.760	id.	Beginning of Leg North/South
34	14546	13:37:26	49046.760	↘ 710 m	Descent at 710 m
35	14992	13:44:52	49492.760	↘ 690 m	Middle of Leg North/South
36	15028	13:45:28	49528.760	↘ 650 m	Stable at 650 m
37	15116	13:46:56	49616.760	650 m	Left bank and Right bank for LIDAR detection
38	15265	13:49:25	49765.760	↗ 700 m	Stable at 700 m
39	15638	13:55:38	50138.760	700 m	End of Leg North/South and right turn
40	15757	13:57:37	50257.760	id.	Right turn
41	15803	13:58:23	50303.760	id.	Beginning of Leg South/North
42	16423	14:08:43	50923.760	700m ↗	Entry Point, climbing End of Leg South/North

Top	Data	Time	Seconds	Alt	Comments
43	16470	14:09:30	50970.760	↘ 550 m	Stable at 550 m Left bank 45° and 30° (left turn)
44	16574	14:11:14	51074.760	550 m	Right bank 45° (right turn)
45	16806	14:15:06	51306.760	id.	Right turn since some time
46	16915	14:16:55	51415.760	↘ 520 m	Entry Point Beginning of Leg West/East
47	17671	14:29:31	52171.760	520 m	End of Leg West/East and right turn
48	17732	14:30:32	52232.760	id.	Beginning of Leg North/South
49	18309	14:40:09	52809.760	id.	South L End of Leg North/South and left turn
50	18389	14:41:29	52889.760	520 ↘	Right turn and holding pattern
51	18572	14:44:32	53072.760	↘ 300 m	South L End of right turn and holding pattern Beginning of Leg South/North climbing at 300 m
52	19163	14:54:23	53663.760	300 m	End of Leg SouthL/EastL and left turn
53	19216	14:55:16	53716.760	id.	Beginning of Leg EastL/EntryPoint
54	19836	15:05:36	54336.760	id.	Entry Point End of Leg EastL/EntryPoint and climbing
55	20030	15:08:50	54530.760	↘ 60 m	Stable at 60m since some time
56	20347	15:14:07	54847.760	60 m ↗	Entry Point End of Leg EastL/EntryPoint towards BCO
57	20593	15:18:13	55093.760	↗ FL050	Stable at FL050 since some time Toward BCI airport
58	20778	15:21:18	55278.760	FL050 ↘	Descent since some time
59	21379	15:31:19	55879.760	↘ ground	Landing
60	21531	15:33:51	56031.760	id.	Stop for refuelling

Comments :

No camera records

(pour privilégier l'acquisition de la centrale inertielle sur le PC caméras)

Angle of attack and vertical wind wrong.