

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	F. Pouvesle
PI	M. Lothon
Expés instruments	C. Le Gac, J. Delanoë
Expés instruments	C. Gourbeyre, P. Chazette
Expés instruments	V. Douet

Heure de décollage
Take-off time

20:36

Durée du vol
flight duration

4.4

Objectif du vol/Flight aim

EUREC4A

Profil du vol / Flight Pattern

Coordinated flight with three rectangular pattern at 670m, two L pattern at 450m and PICARRO legs at FL60 and FL100



vol ATR F-HMTO n° 5 du 28 janvier 2020

Feuille de tops
Rédacteur du compte-rendu : F. Pouvesle

Paramètres de départ

Leaving apron : 20:28	QNH : 1012 hPa
Take-off : 20:36	wind : 100° 12kt ; T : 28°C ; Td : 22°C
Landing : 24:50	visi >10 km ; SCT 2000 ft

Top	Data	Time	Seconds	Alt	Comments
1	121	20:15:11	72911.440	ground	TERPS reading 1006.54hPa
2	150	20:15:40	72940.440	id.	Time top = 20:15:40
3	938	20:28:48	73728.440	id.	Leaving apron
4	1370	20:36:00	74160.440	id.	Take-off (rotation) RWY09
5	1578	20:39:28	74368.440	1200m	Crossing cloud Cumulus layer, base 550m summit 1450m
6	2105	20:48:15	74895.440	FL80	Stabilized level since 20h45
7	2802	20:59:52	75592.440	id.	Start of descent with right turn
8	2933	21:02:03	75723.440	1300m	At layer top height
9	3056	21:04:06	75846.440	600m	Start of leg
10	3135	21:05:25	75925.440	670m	Height adjusted and cloud crossing
11	3670	21:14:20	76460.440	id.	End of leg, right turn and beginning of next leg
12	3902	21:18:12	76692.440	id.	End of leg, right turn and beginning of next leg
13	3969	21:19:19	76759.440	id.	Cloud crossing
14	4099	21:21:29	76889.440	id.	Cloud crossing
15	4383	21:26:13	77173.440	id.	Cloud crossing
16	4834	21:33:44	77624.440	id.	Cloud crossing
17	5108	21:38:18	77898.440	id.	End of leg, right turn and beginning of next leg
18	5220	21:40:10	78010.440	id.	Cloud crossing
19	5260	21:40:50	78050.440	id.	End of leg, right turn and beginning of next leg

Top	Data	Time	Seconds	Alt	Comments
20	5904	21:51:34	78694.440	id.	Entry point, end of first rectangle
21	6501	22:01:31	79291.440	id.	End of leg, right turn and beginning of next leg
		22:04		id.	End of leg, right turn and beginning of next leg
22	7962	22:25:52	80752.440	id.	End of leg, right turn and beginning of next leg
23	8095	22:28:05	80885.440	id.	End of leg, right turn and beginning of next leg
24	8756	22:39:06	81546.440	id.	Entry point, end of second rectangle
25	9349	22:48:59	82139.440	id.	End of leg, right turn and beginning of next leg
26	9514	22:51:44	82304.440	id.	End of leg, right turn and beginning of next leg
27	10836	23:13:46	83626.440	id.	End of leg, right turn and beginning of next leg
28	10941	23:15:31	83731.440	id.	End of leg, right turn and beginning of next leg
29	11637	23:27:07	84427.440	id.	Entry point, end of third rectangle
30	11888	23:31:18	84678.440	450m	Beginning of SCL leg
31	12627	23:43:37	85417.440	id.	End of leg, right turn and beginning of next leg
32	13268	23:54:18	86058.440	id.	End of leg, right hand U turn
33	13482	23:57:52	86272.440	id.	Beginning of reverse leg
34	14061	24:07:31	86851.440	id.	End of leg, left turn and beginning of next leg
35	14738	24:18:48	87528.440	id.	End of leg and start of climb
36	14948	24:22:18	87738.440	1900m	Start of first PICARRO leg
37	15363	24:29:13	88153.440	id.	End of leg and start of climb
38	15565	24:32:35	88355.440	id.	Start of second PICARRO leg
39	16022	24:40:12	88812.440	id.	End of leg and start of final descent
40	16642	24:50:32	89432.440	id.	Landing RWY09
41	16906	24:54:56	89696.440	id.	Stop at apron for refuelling



vol ATR F-HMTO n° 5 du 28 janvier 2020

Comments :

- Pas de blocs WVSSII ARINC ni de blocs LICOR
- L'INS n'est pas acquise par le calculateur (carte réseau HS) mais par le PC Hilz
- Pas d'acquisition caméra pour ne pas compromettre l'acquisition centrale
- Angle of attack and vertical wind wrong.