

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	F. Pouvesle
Expé SAFIRE	J. Lernould
PI	S. Bony
Expés instruments	C. Caudoux, J. Delanoë
Expés instruments	A. Schwarzenboeck, A. Baron
Expés instruments	M. Dutsch

Heure de décollage
Take-off time

16:57

Durée du vol
flight duration

4.8

Objectif du vol/Flight aim

EUREC4A

Profil du vol / Flight Pattern

Coordinated flight with three rectangular pattern at 830m, two L pattern at 400m and a BASTA calibration leg at 60m. Overfly of BCO on flyback



vol ATR F-HMTO n° 4 du 26 janvier 2020

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

Paramètres de départ

Leaving apron : 16:47 Take-off : 16:57 Landing : 21:26	QNH : 1015 hPa wind : 110° 9kt ; T : 29°C ; Td : 21°C visi >10 km ; SCT 2000 ft NOSIG
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Top	Data	Time	Seconds	Alt	Comments
1	92	16:41:15	60075.680	ground	TERPS reading 1009.25hPa
2	139	16:42:03	60123.680	id.	Time top = 16:42:03
3	437	16:47:01	60421.680	id.	Leaving apron
4	1078	16:57:42	61062.680	id.	Take-off (rotation) RWY09
5	1259	17:00:43	61243.680	700m	At cloud layer base, summit around 2000m
6	1459	17:04:03	61443.680	1800m	2 nd cloud layer base
7	1527	17:05:11	61511.680	2300m	Crossing some Cumulus top. After that clear air with some Cirrus above
8	1659	17:07:23	61643.680	id.	Crossing Cumulus top with rain
9	1860	17:10:44	61844.680	2600m	Radome holes vent
10	1918	17:11:42	61902.680	id.	Crossing Cumulus top
11	2125	17:15:09	62109.680	id.	Reset LWC
12	2301	17:18:05	62285.680	id.	Beginning of descent
13	2375	17:19:19	62359.680	1700m	Entering layer with light turbulences
14	2576	17:22:40	62560.680	830m	Beginning of leg
15	2646	17:23:50	62630.680	id.	Entering layer
16	2685	17:24:29	62669.680	id.	Out of layer
17	3090	17:31:14	63074.680	id.	End of leg, right turn and beginning of next leg
18	3161	17:32:25	63145.680	id.	Crossing a Cumulus
19	3235	17:33:39	63219.680	id.	End of leg, right turn and beginning of next leg

Top	Data	Time	Seconds	Alt	Comments
20	3415	17:36:39	63399.680	id.	Crossing a Cumulus
21	3593	17:39:37	63577.680	id.	Entering layer with rain
22	4036	17:47:00	64020.680	id.	KH20 space reduced to 0.53V
23	4497	17:54:41	64481.680	id.	NOP
24	4641	17:57:05	64625.680	id.	End of leg, right turn and beginning of next leg
25	4651	17:57:15	64635.680	id.	End of leg, right turn and beginning of next leg
26	5347	18:08:51	65331.680	id.	Height lowered of 12m
27	5371	18:09:15	65355.680	id.	Crossing a Cumulus
28	5446	18:10:30	65430.680	id.	Crossing a Cumulus
29	5740	18:15:24	65724.680	id.	Vibration test for BASTA : variation of propeller pitch
30	5894	18:17:58	65878.680	id.	End of leg, right turn and beginning of next leg
31	6046	18:20:30	66030.680	id.	End of leg, right turn and beginning of next leg
32	7314	18:41:38	67298.680	id.	End of leg, right turn and beginning of next leg
33	7459	18:44:03	67443.680	id.	End of leg, right turn and beginning of next leg
34	8122	18:55:06	68106.680	id.	Crossing a Cumulus
35	8260	18:57:24	68244.680	id.	Crossing a Cumulus
36	8710	19:04:54	68694.680	id.	End of leg, right turn and beginning of next leg
37	8862	19:07:26	68846.680	id.	End of leg, right turn and beginning of next leg
38	9327	19:15:11	69311.680	id.	Crossing a Cumulus
39	10107	19:28:11	70091.680	id.	End of leg, right turn and beginning of next leg
40	10267	19:30:51	70251.680	id.	End of leg, right turn and beginning of next leg
41	10924	19:41:48	70908.680	id.	End of leg, right turn and beginning descent
42	11333	19:48:37	71317.680	610m	Beginning of leg
43	12044	20:00:28	72028.680	id.	End of leg, right turn and beginning descent

Top	Data	Time	Seconds	Alt	Comments
44	12700	20:11:24	72684.680	id.	End of leg with Mouse Ear pattern turn
45	12950	20:15:34	72934.680	400m	Beginning of leg
46	13592	20:26:16	73576.680	id.	End of leg with Mouse Ear pattern turn
47	13853	20:30:37	73837.680	id.	GPS correction of INS changed to always true
48	14411	20:39:55	74395.680	id.	End of leg and beginning descent
49	14681	20:44:25	74665.680	id.	KH20 space reduced to 0.38V
50	14782	20:46:06	74766.680	id.	Beginning of leg
51	15205	20:53:09	75189.680	id.	End of leg and beginning of climb. Crossing a layer of Humilis at about 800m
52	16624	21:16:48	76608.680	id.	Overfly of BCO station
53	16890	21:21:14	76874.680	id.	Entering layer
54	17206	21:26:30	77190.680	id.	Landing RWY09
55	17959	21:39:03	77943.680	id.	Stop at apron for refuelling

Comments :

- LWC mis en route vers 17h23
- Pas de blocs WVSSII ARINC
- Perte d'hybridation GPS en fin de vol (20h30)
- Angle of attack and vertical wind wrong.