

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	J.-F. Bourdinot
CdB	J.-F. Bourdinot
Copilote	G. Seurat
Occupant jump seat	T. André
Expé principal SAFIRE	T. Perrin
Expé SAFIRE	C. Lainard
PI	M. Lothon
Expés instruments	C. Caudoux, C. Le Gac
Expés instruments	C. Gourbeyre, P. Chazette
Expés instruments	F. Aemisegger

Heure de décollage
Take-off time

11:59

Durée du vol
flight duration

4.2

Objectif du vol/Flight aim

EUREC4A

Profil du vol / Flight Pattern

Flight with two rectangular and L pattern
at 2400 ft , 1300 ft and 200 ft



vol ATR F-HMTO n° 3 du 26 janvier 2020

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

Paramètres de départ

Leaving apron : 11:54 Take-off : 11:59 Landing : 16:04	QNH : 1014 hPa wind : 060° 06kt ; T : 24°C ; Td : 21°C visi >10 km ; FEW 1800 ft
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Top	Data	Time	Seconds	Alt	Comments
				ground	TERPS reading 1009.17 hPa
				id.	Time top =
1	83	11:36:19	41779.400	id.	Safire QNH calibration (>qnh xxx) = 1009 hPa
2	1153	11:54:09	42849.400	id.	Leaving apron
3	1478	11:59:35	43175.400	id.	Take-off (rotation) RWY09
4	2051	12:09:08	43748.400	↗ 8000 ft	Stable 8000 ft qnh since some time
5	2245	12:12:22	43942.400	id.	Start cameras
6	2633	12:18:50	44330.400	8000 ft ↘	Start of descent at 2600 ft qnh
7	3400	12:31:37	45097.400	↘ 2600 ft	Right turn above cloud (Cu hum)
8	3544	12:34:01	45241.400	2600 ft ↘	Right turn above cloud (Cu hum) Beginning of Leg North/South
9	3641	12:35:38	45338.400	↘ 2500 ft	Descent at 2500 ft qnh
10	3710	12:36:47	45407.400	2400 ft	Stable at 2400 ft qnh, just above cloud base (Cu hum)
11	4063	12:42:40	45760.400	id.	Restart Streampix for cameras
12	4434	12:48:51	46131.400	id.	Just above cloud base (Cu hum)
13	4820	12:55:17	46517.400	id.	End of Leg North/South and right turn
14	4971	12:57:48	46668.400	id.	Right turn into cloud (Cu hum), then just above cloud base Beginning of Leg South/North
15	5578	13:07:55	47275.400	↗ 2450 ft	Entry Point ; no cloud.
16	5929	13:13:46	47626.400	id.	Radome holes vent
17	5993	13:14:50	47690.400	↘ 2400 ft	Descent 15 meters

Top	Data	Time	Seconds	Alt	Comments
18	6029	13:15:26	47726.400	↘ 2350 ft	Descent 15 meters, just above cloud base (Cu)
19	6228	13:18:45	47925.400	id.	End of Leg South/North and right turn
20	6382	13:21:19	48079.400	id.	Right turn Beginning of Leg North/South just above cloud base (Cu med)
21	7590	13:41:27	49287.400	id.	clouds (Cu hum/med)
22	7671	13:42:48	49368.400	id.	End of Leg North/South and right turn
23	7820	13:45:17	49517.400	id.	Right turn Beginning of Leg South/North towards Entry Point
24	8488	13:56:25	50185.400	↘ 2000 ft	Left turn (oreille) and descent at 2000 ft End of Leg South/North
25	8735	14:00:32	50432.400	↘ 1800 ft	Stable at 1800 ft qnh / 590 meters Beginning of 1 st L Beginning of Leg West/East
26	9439	14:12:16	51136.400	id.	End of Leg West/East and right turn Beginning of Leg North/South
27	10091	14:23:08	51788.400	id.	End of Leg North/South and right turn
28	10165	14:24:22	51862.400	1300 ft	Descent at 1300 ft qnh
29	10314	14:26:51	52011.400	id.	Beginning of Leg South/North (no cloud)
30	10875	14:36:12	52572.400	id.	End of Leg South/North and left turn Beginning of Leg East/West
31	11581	14:47:58	53278.400	1300 ft ↘	End of Leg East/West , left turn and descent at 200 ft End of 1 st L
32	11732	14:50:29	53429.400	↘ 200 ft	Beginning of 2 nd L Beginning of Leg West/East at 200 ft qnh / 60 meters
33	12502	15:03:19	54199.400	id.	End of Leg West/East and left turn Beginning of Leg North/South
34	13155	15:14:12	54852.400	id.	End Leg North/South and right turn (oreille)
35	13379	15:17:56	55076.400	id.	Beginning of Leg South/North since some time
36	13980	15:27:57	55677.400	id.	End of Leg South/North and left turn Beginning of Leg East/West
37	14675	15:39:32	56372.400	200 ft ↗	End of Leg East/West End of 2 nd L Start of climb
38	14814	15:41:51	56511.400	↗ 3800 ft	At cloud level (5/8 Cu, 1/8 Sc)



vol ATR F-HMTO n° 3 du 26 janvier 2020

Top	Data	Time	Seconds	Alt	Comments
39	14905	15:43:22	56602.400	↗ 6000 ft	Above cloud top (Cu), towards BCO. (5 to 6/8 Ci)
40	15389	15:51:26	57086.400	↗ FL140	Stable at FL140
41	15807	15:58:24	57504.400	FL140 ↘	Vertical BCO and start of descent
42	16145	16:04:02	57842.400	↘ ground	Landing
43	16273	16:06:10	57970.400	id.	Stop for refuelling

Comments :

GPS loss in Inertial measurement unit.
Angle of attack and vertical wind wrong.