

FLIGHT FOLDER

Report

List of documents :

Flight crew
Flight aim
Top Sheet
Comments

Ordre d'essai / Flight crew

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	P.-E. Brilouet
Expés instruments	J.Delanoe, A. Schwarzenboeck
Expés instruments	S. Bony, G. George
Expés instruments	J. Totems

Heure de décollage
Take-off time

11 : 30 : 12

Durée du vol
flight duration

4.5

Objectif du vol/Flight aim

EUREC4A

Profil du vol / Flight Pattern

Flight with first leg at FL80,
one rectangle at cloud top and two rectangle at cloud base level
(FL65 and 3380 ft),
legs at levels 1770, 120, 915, 1890 ft and FL100.

Top sheet
Report Writer : T. Jiang

Departure parameters

Leaving apron : 11:26:38	QNH : 1016 hPa
Take-off : 11:30:12	wind : 100° 20kt ; T : 26°C ; Td : 20°C
Landing : 15:51:25	FEW 1800 ft, visi > 10 km

Top	Data	Time	Seconds	Alt (alt_qnh in ft)	Comments
1	290	10:49:56	38996.360	ground	TERPS reading 1011.16 hPa (door open)
2	473	10:52:59	39179.360	id.	Time synchronisation top : 10 : 53 : 00
3	2342	11:24:09	41049.360	id.	Safire QNH calibration = 1016 hPa METAR TBPB 071000Z 09016KT 9999 VCSH SCT016 BKN036 25/21 Q1016 NOSIG=
4	2491	11:26:38	41198.360	id.	Leaving apron
5	2705	11:30:12	41412.360	ground ↗	Take-off (rotation) RWY09
6	2740	11:30:47	41447.360	900 ft ↗	Radome holes vent
7	2764	11:31:11	41471.360	1220 ft ↗	De-icing Gerber probe
8	2858	11:32:45	41565.360	2400 ft ↗	Cloud base
9	2916	11:33:43	41623.360	3000 ft ↗	Rain
10	3121	11:37:08	41828.360	FL065 ↗	Going up above cloud layer and mist
11	3278	11:39:45	41985.360	FL080	Stable, start both camera acquisition
12	3473	11:43:00	42180.360	id.	Light turbulence, cloud crossing
13	3809	11:48:36	42516.360	id.	Light turbulence
14	4115	11:53:42	42822.360	FL080 ↘	Entry point, right turn, beginning descent
15	4282	11:56:29	42989.360	FL070	Stable
16	4338	11:57:25	43045.360	id.	Entry point, start of the 1st rectangle
17	4476	11:59:43	43183.360	FL070 ↘	Descent 100m
18	4549	12:00:56	43256.360	FL066	Stable, at the top of the clouds
19	4661	12:02:48	43368.360	id.	Light turbulence, cloud crossing, rain
20	4832	12:05:39	43539.360	id.	Light turbulence, cloud crossing
21	4897	12:06:44	43604.360	id.	Rain
22	4939	12:07:26	43646.360	id.	Arriving in EUR2, right turn to EUR3
23	5099	12:10:06	43806.360	FL66	Arriving in EUR3, right turn to EUR4 (NS leg)

Top	Data	Time	Seconds	Alt (alt_qnh in ft)	Comments
24	5654	12:19:21	44361.360	↘ FL65	Descent 30m
25	6274	12:29:41	44981.360	id.	Light turbulence, cloud crossing, rain
26	6302	12:30:09	45009.360	id.	Arriving in EUR4, right turn to EUR5
27	6430	12:32:17	45137.360	id.	Arriving in EUR5, right turn to EUR1 (SN leg)
28	7030	12:42:17	45737.360	FL065 ↘	End of the 1st rectangle, Entry Point, beginning descent
29	7226	12:45:33	45933.360	2480 ft	Stable, in the mist
30	7669	12:52:56	46376.360	2480 ft	Arriving in EUR2, right turn to EUR3
31	7743	12:54:10	46450.360	2480 ft ↗	Start climbing
32	7839	12:55:46	46546.360	2810 ft ↗	Arriving in EUR3, right turn to EUR4 (NS leg), continue climbing
33	7895	12:56:42	46602.360	3100 ft ↗	Climbing
34	8034	12:59:01	46741.360	3380 ft	Stable
35	8901	13:13:28	47608.360	id.	Light turbulence, cloud crossing
36	9092	13:16:39	47799.360	id.	Arriving in EUR4, right turn to EUR5
37	9235	13:19:02	47942.360	id.	Arriving in EUR5, right turn to EUR1 (SN leg)
38	9796	13:28:23	48503.360	id.	Light turbulence
39	9884	13:29:51	48591.360	id.	End of the 2nd rectangle, Entry Point
40	9957	13:31:04	48664.360	id.	Light turbulence, cloud crossing
41	10516	13:40:23	49223.360	id.	Arriving in EUR2, right turn to EUR3
42	10692	13:43:19	49399.360	id.	Arriving in EUR3, right turn to EUR4 (NS leg)
43	11265	13:52:52	49972.360	id.	Cloud crossing
44	11343	13:54:10	50050.360	3380 ft ↘	Start descent
45	11414	13:55:21	50121.360	3070 ft	Stable
46	11940	14:04:07	50647.360	id.	Arriving in EUR4, right turn to EUR5
47	12085	14:06:32	50792.360	id.	Arriving in EUR5, right turn to EUR1 (SN leg)
48	12191	14:08:18	50898.360	id.	Light turbulence, cloud crossing
49	12565	14:14:32	51272.360	id.	Cloud crossing
50	12737	14:17:24	51444.360	3070 ft ↘	End of 3rd rectangle, Entry point, Right turn and beginning descent
51	12925	14:20:32	51632.360	1770 ft	Entry Point to East_L point, stable Beginning 1st "L" pattern, West/East Leg In sea aerosol cloud layer
52	13742	14:34:09	52449.360	1770 ft ↘	East_L point, U turn, descent

Top	Data	Time	Seconds	Alt (alt_qnh in ft)	Comments
					Stop ground camera acquisition
53	13989	14:38:16	52696.360	120 ft	Stable, East/West leg to Entry point
54	14375	14:44:42	53082.360	id.	Rain on the left side
55	14463	14:46:10	53170.360	id.	Entry Point, left turn to EUR5 (half NS leg)
56	15105	14:56:52	53812.360	120 ft ↗	EUR5, end of the NS leg, U turn and start climbing
57	15385	15:01:32	54092.360	915 ft	EUR5, start of the SN leg to Entry point, stable, restart ground camera
58	16081	15:13:08	54788.360	915 ft ↗	Entry Point, U turn, start climbing
59	16266	15:16:13	54973.360	1890 ft	Entry Point, stable, start NS leg to EUR5
60	16905	15:26:52	55612.360	1890 ft ↗	EUR5, end of the NS leg, start climbing
61	17299	15:33:26	56006.360	FL100	Stable
62	17936	15:44:03	56643.360	FL100 ↘	End of the leg, beginning descent
63	18109	15:46:56	56816.360	6100 ft ☼	Top of the clouds
64	18166	15:47:53	56873.360	4000 ft ☼	Light turbulence, cloud crossing
65	18215	15:48:42	56922.360	2400 ft ☼	Base of the clouds
66	18378	15:51:25	57085.360	↘ Ground	Landing
67	18494	15:53:21	57201.360	Ground	Parking

Comments :

1 st rectangle
2 nd rectangle
3 rd rectangle