

Attachment to the FAI Jury Report

Opto-electronic timing details at the 2002 **F2 Control Line** World Championships

Sebnitz, Germany, July 14-21, 2002

Remarks

- The following three tables are containing the electronic and manual timing data and the speed results of the flights, round by round.
- The optical sensor was located a quarter lap before the white strip sign opposite to the timekeepers, because some close trees made the background too dark for the sensor.
- Data signed by the darker gray background should only be declared as failed measurements.

Legend

In the heading of the tables:

comp Competitor's start number.
E... Electronic (time, calculated speed and speed cut off for one decimal)
M... Manual (times, calculated speed and speed cut off for one decimal)
Dev Deviation between the manual and electronic speeds

In the column of "Dev":

ND No electronic data registered because of any reason (operator's error or other) (darker gray background).
OE Only electronic data registered, no official results because of any reason (light gray background).

That is signed also by dark gray background when the electronic data deviates from the manual timing data with an unacceptable value because of any reason.

Summary

The number of failed electronic measurements (round by round):

Round 1 3 of 39

Round 2 1 of 41

Round 3 3 of 40

A total of 7 measurements failed from a total of 120.

F2A Round 1 Wednesday 17 July 2002

# Comp	Etime	Mtime1	Mtime2	Mtime3	ESpeed	MSpeed	EOff	MOff	Dev
29	13.4021	13.36	13.37	13.43	268.616	268.924	268.6	268.9	-0.3
41	12.3562	12.37	12.31	12.38	291.352	291.419	291.3	291.4	-0.1
23	12.9847	12.98	12.99	13.09	277.250	276.498	277.2	276.4	+0.8
34	ND	13.03	13.08	12.99	ND	276.215	ND	276.2	ND
13	12.1938	12.20	12.18	12.56	295.231	295.324	295.2	295.3	-0.1
19	12.2138	12.17	12.18	12.33	294.749	295.688	294.7	295.6	-0.9
27	12.7243	12.72	12.64	12.78	282.923	283.167	282.9	283.1	-0.2
48	13.6278	13.62	13.64	13.76	264.167	263.286	264.1	263.2	+0.9
52	12.7780	12.75	12.77	12.69	281.734	282.649	281.7	282.6	-0.9
31	14.8536	14.74	14.84	14.70	242.365	243.902	242.3	243.9	-1.6
15	12.5898	12.54	12.57	12.56	285.946	286.700	285.9	286.7	-0.8
49	12.5798	12.61	12.56	12.77	286.174	286.055	286.1	286.0	+0.1
38	19.0532	18.86	18.91	18.91	188.945	190.543	188.9	190.5	-1.6
42	12.5733	12.53	12.60	12.52	286.322	286.853	286.3	286.8	-0.5
24	12.8924	12.92	12.89	13.10	279.235	278.962	279.2	278.9	+0.3
2	12.8545	12.88	12.91	12.93	280.058	278.926	280.0	278.9	+1.1
33	12.9649	12.94	12.95	13.03	277.674	277.492	277.6	277.4	+0.2
5	14.8853	0.00	0.00	0.00	241.849	0.000	241.8	0.0	OE
8	12.8266	0.00	0.00	0.00	280.668	0.000	280.6	0.0	OE
17	14.1293	14.15	14.20	14.02	254.790	253.968	254.7	253.9	+0.8
43	12.8262	12.65	12.75	12.75	280.675	283.093	280.6	283.0	-2.4
25	14.0883	14.01	14.01	13.94	255.531	257.388	255.5	257.3	-1.8
32	13.1615	13.10	13.06	13.18	273.526	274.530	273.5	274.5	-1.0
39	15.0326	14.98	15.02	15.09	239.479	239.521	239.4	239.5	-0.1
21	12.1723	12.21	12.12	12.20	295.753	295.647	295.7	295.6	+0.1
28	15.2476	15.37	15.37	15.38	236.103	234.172	236.1	234.1	+2.0
26	13.6620	13.66	13.65	13.55	263.504	264.317	263.5	264.3	-0.8
54	13.7845	13.81	14.12	13.81	261.163	260.681	261.1	260.6	+0.5
56	13.9814	14.08	14.08	14.13	257.486	255.380	257.4	255.3	+2.1
33	15.5361	13.58	13.77	13.74	231.719	261.723	231.7	261.7	-30.0
14	12.7108	12.71	12.77	0.00	283.224	282.575	283.2	282.5	+0.7
3	15.3009	15.30	15.36	15.19	235.280	235.551	235.2	235.5	-0.3
16	12.7103	12.70	12.73	12.74	283.235	282.945	283.2	282.9	+0.3
51	12.7290	12.78	12.76	12.81	282.820	281.617	282.8	281.6	+1.2
11	15.0521	15.05	15.07	15.00	239.170	239.362	239.1	239.3	-0.2
53	12.9054	12.95	13.03	13.09	278.952	276.427	278.9	276.4	+2.5
35	ND	13.55	13.44	13.50	0.0	0.0	ND		ND
6	15.8306	15.76	15.79	15.89	227.408	227.656	227.4	227.6	-0.2
45	13.1685	0.00	0.00	0.00	273.380	0.000	273.3	0.0	OE

F2A Round 2 Friday 19 July 2002

# Comp	Etime	Mtime1	Mtime2	Mtime3	Espeed	Mspeed	Eoff	Moff	Dev
11	14.9964	14.98	14.98	15.00	240.057	240.214	240.0	240.2	-0.2
15	12.2711	12.31	12.37	12.28	293.372	292.208	293.3	292.2	+1.1
20	13.0633	12.94	12.91	13.13	275.582	278.530	275.5	278.5	-3.0
5	13.0431	12.99	12.98	13.03	276.009	276.923	276.0	276.9	-0.9
8	12.5059	12.60	12.63	12.52	287.864	286.093	287.8	286.0	+1.8
17	12.6696	12.65	12.61	12.63	284.144	285.036	284.1	285.0	-0.9
6	14.8227	14.80	14.82	14.82	242.871	243.024	242.8	243.0	-0.2
32	13.0630	13.17	13.06	13.09	275.588	274.669	275.5	274.6	+0.9
18	13.7284	13.68	16.67	13.67	262.230	263.254	262.2	263.2	-1.0
39	15.6066	15.60	15.56	15.63	230.672	230.819	230.6	230.8	-0.2
21	13.7066	0.00	0.00	0.00	262.648	0.000	262.6	0.0	OE
28	12.5183	12.46	12.53	12.64	287.579	287.005	287.5	287.0	+0.5
9	12.9848	13.07	13.03	13.08	277.247	275.651	277.2	275.6	+1.6
26	13.8264	13.81	13.87	13.87	260.372	259.928	260.3	259.9	+0.4
36	15.7516	15.78	15.81	15.91	228.548	227.368	228.5	227.3	+1.2
22	13.0015	12.97	12.86	12.82	276.892	279.431	276.8	279.4	-2.6
16	12.7479	12.75	12.68	12.72	282.399	283.093	282.3	283.0	-0.7
37	13.3298	12.74	12.75	12.79	270.072	282.132	270.0	282.1	-12.1
51	12.6431	12.63	12.64	12.65	284.740	284.810	284.7	284.8	-0.1
7	13.0099	12.93	13.03	13.10	276.713	276.498	276.7	276.4	+0.3
23	12.9074	12.80	12.89	13.03	278.911	280.265	278.9	280.2	-1.3
34	12.9472	12.90	12.95	13.07	278.051	277.492	278.0	277.4	+0.6
13	11.9151	11.93	11.84	11.93	302.139	302.521	302.1	302.5	-0.4
19	12.1878	12.16	12.16	12.21	295.378	295.647	295.3	295.6	-0.3
27	12.8772	12.85	12.87	12.78	279.564	280.519	279.5	280.5	-1.0
48	13.2602	13.31	13.25	13.21	271.489	271.561	271.4	271.5	-0.1
30	13.5118	13.54	13.54	13.46	266.434	266.404	266.4	266.4	0
52	12.7405	12.76	12.72	12.85	282.563	281.764	282.5	281.7	+0.8
38	16.8653	17.00	17.11	16.98	213.456	211.392	213.4	211.3	+2.1
14	12.7058	12.68	12.52	12.64	283.336	285.412	283.3	285.4	-2.1
53	13.4769	13.50	13.53	13.59	267.124	265.879	267.1	265.8	+1.3
20	13.1121	12.94	12.98	12.98	274.556	277.635	274.5	277.6	-3.1
35	14.3004	0.00	0.00	0.00	251.741	0.000	251.7	0.0	OE
43	12.4652	12.46	12.51	12.44	288.803	288.693	288.8	288.6	+0.2
25	19.1224	0.00	0.00	0.00	188.260	0.000	188.2	0.0	OE
54	13.9019	13.95	13.03	14.01	258.958	257.511	258.9	257.5	+1.4
47	13.2960	13.27	13.28	13.42	270.759	271.186	270.7	271.1	-0.4
3	15.8260	15.72	15.81	15.89	227.473	227.752	227.4	227.7	-0.3
29	12.4215	12.43	12.44	12.44	289.821	289.467	289.8	289.4	+0.4
41	12.7455	12.69	12.69	13.04	282.452	283.688	282.4	283.6	-1.2
45	12.9394	12.98	12.95	13.06	278.219	276.994	278.2	276.9	+1.3

F2A Round 3 Saturday 20 July 2002

# Comp	Etime	Mtime1	Mtime2	Mtime3	ESpeed	MSpeed	EOff	MOff	Dev
39	15.2480	15.24	15.27	15.35	236.097	235.499	236.0	235.4	+0.6
44	14.2699	14.14	14.13	14.88	252.279	254.687	252.2	254.6	-2.4
54	15.4966	15.53	15.53	15.68	232.309	231.809	232.3	231.8	+0.5
36	14.1056	14.12	14.07	13.96	255.218	256.228	255.2	256.2	-1.0
47	13.1828	13.24	13.14	13.26	273.083	272.452	273.0	272.4	+0.6
37	12.7795	12.66	12.67	12.80	281.701	284.248	281.7	284.2	-2.5
51	12.6928	12.68	12.66	12.61	283.626	284.585	283.6	284.5	-0.9
48	13.3278	13.30	13.24	13.28	270.112	271.220	270.1	271.2	-1.1
52	12.7282	12.69	12.74	12.66	282.836	283.539	282.8	283.5	-0.7
4	13.6038	13.39	13.48	13.46	264.632	267.791	264.6	267.7	-3.1
31	13.1607	13.15	13.05	13.13	273.541	274.600	273.5	274.5	-1.0
15	12.3364	12.37	12.28	12.33	291.820	292.050	291.8	292.0	-0.2
14	13.3689	13.20	13.17	13.16	269.281	273.210	269.2	273.2	-4.0
24	12.5742	12.60	12.59	12.64	286.300	285.488	286.3	285.4	+0.9
35	13.1780	13.05	13.14	13.27	273.184	274.914	273.1	274.9	-1.8
8	13.0888	13.18	13.22	13.30	275.044	272.040	275.0	272.0	+3.0
6	14.8465	14.69	14.76	14.84	242.481	243.847	242.4	243.8	-1.4
25	13.3449	13.34	13.31	13.48	269.766	270.169	269.7	270.1	-0.4
32	13.2205	13.16	13.22	13.34	272.304	271.903	272.3	271.9	+0.4
45	12.9495	12.80	12.90	13.40	278.003	280.156	278.0	280.1	-2.1
21	12.1003	12.07	12.14	12.19	297.513	296.703	297.5	296.7	+0.8
9	ND	13.43	13.45	13.58	ND	0.0	ND		ND
26	12.8538	12.83	12.87	12.88	280.073	279.938	280.0	279.9	+0.1
46	15.8329	15.88	15.81	15.77	227.375	227.560	227.3	227.5	-0.2
40	14.7126	14.67	14.74	14.99	244.688	244.815	244.6	244.8	-0.2
22	12.8961	12.77	12.82	12.93	279.155	280.374	279.1	280.3	-1.2
3	15.5773	15.58	15.60	15.69	231.106	230.425	231.1	230.4	+0.7
41	12.7928	12.81	12.85	12.93	281.409	279.865	281.4	279.8	+1.6
1	14.8436	13.33	13.31	13.40	242.529	269.730	242.5	269.7	-27.7
23	13.3254	13.40	13.35	13.33	270.161	269.461	270.1	269.4	+0.7
13	12.0290	11.95	11.94	11.97	299.277	301.171	299.2	301.1	-0.9
19	12.1045	12.12	12.11	12.06	297.411	297.603	297.4	297.6	-0.2
27	13.7576	13.78	13.85	13.70	261.673	261.311	261.6	261.3	+0.3
30	13.8699	13.97	13.93	13.86	259.555	258.621	259.5	258.6	+0.9
49	12.7106	12.68	12.77	12.77	283.228	282.575	283.2	282.5	+0.7
42	12.4704	12.53	12.44	12.43	288.683	288.770	288.6	288.7	-0.1
2	ND	12.61	12.61	12.55	ND	0.0	ND		ND
5	12.9061	12.88	12.88	12.84	278.937	279.793	278.9	279.7	-0.8
43	12.4004	12.50	12.43	12.43	290.313	289.079	290.3	289.0	+1.3