

QFDM Magnetic Axis Measurements Summary (Vibrating Wire)

QFDM	magax				magaxFARO							✓ X
	start	[°C] T _{air} / T _{body}	[Hz] f ₂	[μm] W-m _{support}	start	duration	by	[°C] T _{air}	[%] H _{air}	[μm] WH1,2 _{offset}	[μm] W-m _{midTop}	OK
01 MAG3269	11 Mar 2014 10:27	24.4 23.3, 23.5	208.0	-58, -45	11 Mar 2014 10:42	41' 11"	Roland Felder	24.4 ^{+0.1}	29 ⁺⁰	-16, -13 -20, -18	52, -30	✓
	11 Mar 2014 18:46	new version 2.7.7 of magax.py (output voltage set to sharp 0.300 V and 1 kHz for the wire position measurements in CROC-3)										
02 MAG3270	14 Mar 2014 14:07	24.3 24.2, 24.5	215.8	-94, 32	14 Mar 2014 14:22	18' 33"	Roland Felder	24.3 ^{+0.6}	30 ⁺¹	-6, -29 -12, -26	56, 15	✓
03 MAG3271	19 Mar 2014 15:33	24.4 24.3, 24.5	214.5	-29, 1	19 Mar 2014 15:49	9' 31"	Roland Felder	24.3 ^{+0.2}	26 ⁻⁰	-9, -16 -4, -16	14, -21	✓
04 MAG3272	20 Mar 2014 10:13	23.7 22.0, 22.2	214.0	-10, 0	20 Mar 2014 10:26	10' 25"	Roland Felder	23.8 ^{+0.0}	29 ⁻⁰	4, -16 2, -22	49, -14	✓
06 MAG3274	26 Mar 2014 9:57	24.1 22.4, 22.5	214.8	-30, 16	26 Mar 2014 10:13	27' 18"	Roland Felder	24.1 ^{+0.4}	28 ⁺²	-5, -10 -2, -14	59, 7	✓
	2 Apr 2014 11:00	new WH supports made of G10 are mounted; the coordinate system and the stages home positions are redefined										
07 MAG3275	2 Apr 2014 15:03	25.8 25.2, 25.4	209.9	-60, 2	2 Apr 2014 15:27	13' 48"	Roland Felder	26.0 ^{+0.0}	32 ⁻¹	-1, -6 0, -10	34, 8	✓
05 MAG3273	2 Apr 2014 16:42	25.9 24.4, 24.6	212.3	-62, 30	3 Apr 2014 8:10	16' 13"	Roland Felder	25.2 ^{+0.2}	30 ⁺¹	1, -4 -4, -2	33, 28	✓
05^{180°} MAG3273	3 Apr 2014 9:22	25.2 26.7, 26.9	216.2	300, 3	3 Apr 2014 9:36	16' 4"	Roland Felder	25.2 ^{+0.1}	30 ⁺¹	4, -2 -3, -4	-44, 26	✓
08 MAG3276	3 Apr 2014 13:42	25.7 25.0, 25.2	222.1	-136, 12	3 Apr 2014 13:56	11' 0"	Roland Felder	25.7 ^{-0.1}	30 ⁺⁰	11, 0 5, 2	-64, 17	✓
09 MAG3277	4 Apr 2014 10:19	25.1 26.5, 26.8	210.8	-73, 21	4 Apr 2014 10:34	15' 23"	Roland Felder	25.1 ^{+0.3}	32 ⁺⁰	4, -8 3, -2	33, 14	✓

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	start	[°C] T _{air} / T _{body}	[Hz] f ₂	[μm] W-m _{support}	start	duration	by	[°C] T _{air}	[%] H _{air}	[μm] WH1,2 _{offset}	[μm] W-m _{midTop}	OK
10 MAG3278	10 Apr 2014 13:20	24.0 24.5, 24.8	213.6	-23, 18	10 Apr 2014 13:50	14' 20"	Roland Felder	24.0 ^{+0.3}	28 ⁺⁰	28, -14 16, -9	37, 7	✓
10repeat MAG3278	11 Apr 2014 8:29	24.5 24.3, 24.5	213.8	-19, 18	11 Apr 2014 8:42	8' 55"	Roland Felder	24.5 ^{+0.4}	29 ⁺⁰	20, -14 4, -6	42, 12	✓
09repeat MAG3277	11 Apr 2014 11:01	24.7 22.3, 22.5	212.1	-72, 28	11 Apr 2014 11:19	8' 30"	Roland Felder	24.7 ^{+0.1}	29 ⁺¹	15, -12 4, -6	29, 6	✓
11 MAG3279	11 Apr 2014 14:26	25.0 22.6, 22.8	216.0	-38, -4	11 Apr 2014 14:47	10' 44"	Roland Felder	25.0 ^{+0.2}	29 ⁺⁰	15, -16 4, -7	1, -14	✓
12 MAG3280	14 Apr 2014 9:03	23.7 23.5, 23.8	210.9	-36, 13	14 Apr 2014 9:48	8' 39"	Roland Felder	23.9 ^{+0.1}	30 ⁺⁰	24, -16 8, -8	37, 27	✓
13 MAG3281	14 Apr 2014 11:44	24.0 22.1, 22.2	209.5	-65, 5	14 Apr 2014 13:06	9' 3"	Roland Felder	24.3 ^{+0.1}	29 ⁺⁰	20, -17 10, -2	2, 39	✓
14 MAG3282	15 Apr 2014 14:20	23.5 21.6, 21.7	215.2	-33, -2	15 Apr 2014 15:33	16' 57"	Roland Felder	23.6 ^{+0.3}	24 ⁺⁰	20, -27 12, -15	20, -3	✓
15 MAG3283	16 Apr 2014 8:30	24.4 24.1, 24.4	214.2	-67, -12	16 Apr 2014 8:43	8' 18"	Roland Felder	24.4 ^{+0.2}	26 ⁺⁰	20, -21 12, -6	1, 8	✓
	28 Apr 2014 14:00	new wire										
16 MAG3284	28 Apr 2014 15:32	25.5 25.5, 25.8	208.0	-79, -9	28 Apr 2014 15:52	12' 27"	Roland Felder	25.5 ^{+0.1}	35 ⁺⁰	8, -3 -6, -3	21, 15	✓
17 MAG3285	29 Apr 2014 9:07	25.1 25.1, 25.3	213.5	-72, -36	29 Apr 2014 9:31	9' 12"	Roland Felder	25.1 ^{+0.2}	34 ⁺⁰	10, 0 2, 7	9, 9	✓

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	start	[°C] T _{air} / T _{body}	[Hz] f ₂	[μm] W-m _{support}	start	duration	by	[°C] T _{air}	[%] H _{air}	[μm] WH1,2 _{offset}	[μm] W-m _{midTop}	OK
18 MAG3286	29 Apr 2014 11:15	25.3 22.8, 23.0	216.3	-84, 18	29 Apr 2014 12:52	11' 17"	Roland Felder	25.5 ^{+0.1}	34 ⁺¹	16, 2 2, 1	30, 28	✓
19 MAG3287	29 Apr 2014 14:09	25.5 22.7, 22.8	214.8	-118, 2	29 Apr 2014 14:36	10' 47"	Roland Felder	25.5 ^{+0.1}	35 ⁻⁰	14, -3 0, 4	67, 27	✓
20 MAG3288	30 Apr 2014 8:43	25.3 26.8, 27.0	209.2	-68, 25	30 Apr 2014 8:56	9' 10"	Roland Felder	25.3 ^{+0.2}	35 ⁺⁰	2, -8 -4, 4	37, 25	✓
20^{warm} MAG3288	1 May 2014 9:05	25.6 37.4, 38.0	209.0	-73, 11	1 May 2014 9:23	11' 19"	Roland Felder	25.6 ^{+0.4}	35 ⁺¹	-6, -9 -12, 0	608, 429	✓
21 MAG3289	2 May 2014 8:35	25.6 25.5, 25.8	208.8	-14, 22	2 May 2014 9:24	8' 41"	Roland Felder	25.8 ^{+0.2}	36 ⁺¹	-1, -12 -8, -2	14, -3	✓
21^{warm} MAG3289	5 May 2014 9:15	24.7 36.2, 37.1	208.4	-25, 5	5 May 2014 9:30	16' 4"	Roland Felder	24.7 ^{+0.6}	34 ⁺⁰	2, -24 -6, -16	10, 1	✓
22 MAG3290	5 May 2014 11:04	25.0 22.6, 22.8	211.8	-77, 42	5 May 2014 11:17	9' 15"	Roland Felder	25.0 ^{+0.2}	32 ⁻⁰	10, -10 -8, -4	6, 24	✓
	23 May 2014 0:00	CS - wire size was not taken into account when defining the home position of stages ; W-m _{support} and WH1,2 _{offset} corrected by magax_res.py										
23^{CS} MAG3291	2 Jul 2014 15:19	26.0 25.5, 25.8	215.7	-66, -9	2 Jul 2014 16:00	1' 39"	Roland Felder	26.1 ^{+0.0}	46 ⁺⁰	2, 10 -6, 4	-1, 1	✓
24^{CS} MAG3292	3 Jul 2014 14:45	25.0 24.7, 25.2	211.2	-77, 31	3 Jul 2014 15:25	15' 9"	Roland Felder	25.0 ^{+0.4}	50 ⁻⁰	3, -1 -1, -3	-27, -16	✓
25^{CS} MAG3293	4 Jul 2014 10:12	24.5 21.3, 21.5	215.3	-30, 37	4 Jul 2014 10:25	9' 36"	Roland Felder	24.5 ^{+0.2}	47 ⁺⁰	-7, 5 -13, 4	31, -0	✓

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	start	[°C] T _{air} / T _{body}	[Hz] f ₂	[μm] W-m _{support}	start	duration	by	[°C] T _{air}	[%] H _{air}	[μm] WH1,2 _{offset}	[μm] W-m _{midTop}	OK
27CS MAG3295	4 Jul 2014 11:27	24.6 21.5, 21.6	215.5	-22, 74	4 Jul 2014 13:00	9' 58"	Roland Felder	24.8 ^{+0.4}	47 ⁺¹	-4, 2 -14, -0	-17, 12	✓
28CS MAG3296	4 Jul 2014 14:07	25.4 23.0, 23.2	212.6	-72, 42	4 Jul 2014 14:20	7' 20"	Roland Felder	25.4 ^{+0.3}	49 ⁺⁰	-1, 13 -10, 7	-12, 1	✓
29CS MAG3297	4 Jul 2014 15:18	25.7 23.9, 24.0	210.7	-67, 13	4 Jul 2014 15:38	3' 3"	Roland Felder	25.9 ^{-0.0}	49 ⁻⁰	-2, 13 -10, 10	2, 0	✓
	7 Jul 2014 0:00	new wire										
30CS MAG3298	7 Jul 2014 9:59	25.5 25.6, 25.9	210.4	-20, 13	7 Jul 2014 10:35	5' 51"	Roland Felder	25.6 ^{-0.0}	49 ⁻⁰	-14, -10 -18, -6	-70, 19	✓
31CS MAG3299	7 Jul 2014 13:48	25.8 24.9, 25.1	213.5	-49, -28	7 Jul 2014 14:07	8' 56"	Roland Felder	25.9 ^{-0.1}	50 ⁻³	-8, -4 -19, -6	-29, -6	✓
32CS MAG3300	17 Jul 2014 8:32	25.6 25.7, 26.0	215.0	-78, -16	17 Jul 2014 9:00	7' 59"	Roland Felder	25.5 ^{+0.1}	47 ⁻⁰	-12, -6 -22, -1	14, -2	✓
33CS MAG3301	17 Jul 2014 10:40	25.7 23.7, 24.0	216.6	-51, 30	17 Jul 2014 10:53	7' 28"	Roland Felder	25.7 ^{-0.2}	47 ⁺⁰	-10, 6 -22, 8	-18, 17	✓
34CS MAG3302	17 Jul 2014 11:51	26.0 24.0, 24.4	214.6	-58, 8	17 Jul 2014 13:37	6' 30"	Roland Felder	25.6 ^{+0.1}	47 ⁻⁰	-10, 8 -20, 8	-18, -18	✓
35CS MAG3303	17 Jul 2014 14:27	26.2 24.8, 25.0	215.3	-42, 9	17 Jul 2014 14:40	7' 6"	Roland Felder	26.2 ^{-0.2}	46 ⁻⁰	-14, 7 -20, 10	-31, 6	✓
36CS MAG3304	18 Jul 2014 8:25	25.8 26.1, 26.3	213.6	-39, 19	18 Jul 2014 9:01	1' 32"	Roland Felder	25.8 ^{+0.0}	40 ⁺⁰	-10, 10 -20, 1	-33, -8	✓

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	start	[°C] T _{air} / T _{body}	[Hz] f ₂	[μm] W-m _{support}	start	duration	by	[°C] T _{air}	[%] H _{air}	[μm] WH1,2 _{offset}	[μm] W-m _{midTop}	OK
37CS MAG3305	18 Jul 2014 10:19	25.8 25.2, 25.4	214.3	-60, 1	18 Jul 2014 11:29	8' 36"	Roland Felder	25.8 ^{-0.0}	44 ⁺⁰	-14, 4 -19, 6	-1, -14	✓
38CS MAG3306	15 Aug 2014 10:14	25.1 25.2, 25.5	215.4	-29, 55	15 Aug 2014 10:28	16' 38"	Roland Felder	25.1 ^{+0.1}	41 ⁻⁰	-8, -12 -8, -18	27, 4	✓
39CS MAG3307	18 Aug 2014 10:08	25.6 26.2, 26.5	214.1	-113, 17	18 Aug 2014 10:23	9' 19"	Roland Felder	25.6 ^{-0.2}	41 ⁻¹	-19, -2 -19, -6	-25, -12	✓
40CS MAG3308	18 Aug 2014 11:42	25.2 22.8, 23.0	216.0	-56, 50	18 Aug 2014 12:53	7' 53"	Roland Felder	25.1 ^{+0.1}	40 ⁻⁰	-16, 3 -16, -5	-36, 1	✓
41CS MAG3309	18 Aug 2014 14:02	25.4 22.9, 23.0	209.8	-47, 46	18 Aug 2014 14:29	8' 44"	Roland Felder	25.4 ^{-0.1}	40 ⁻⁰	-15, 6 -12, -2	-26, -20	✓
42CS MAG3310	19 Aug 2014 10:16	24.8 23.4, 23.6	211.9	-66, 69	19 Aug 2014 10:31	8' 13"	Roland Felder	24.8 ^{+0.3}	44 ⁻¹	-10, -2 -10, -7	-54, -4	✓
45CS MAG3313	20 Aug 2014 10:05	24.9 25.0, 25.2	216.0	-55, 27	20 Aug 2014 10:18	7' 11"	Roland Felder	25.0 ^{+0.0}	41 ⁻¹	-10, -1 -6, -15	-49, -2	✓
44CS MAG3312	20 Aug 2014 11:44	25.0 23.5, 23.7	214.2	-45, 24	20 Aug 2014 12:53	7' 48"	Roland Felder	25.0 ^{-0.0}	40 ⁻⁰	-9, -2 -10, -12	-11, -15	✓
43CS MAG3311	21 Aug 2014 10:51	24.8 24.2, 24.5	210.8	-64, 61	21 Aug 2014 11:05	8' 52"	Roland Felder	24.8 ^{+0.1}	41 ⁻¹	-4, 2 0, -14	-20, -4	✓
46CS MAG3314	25 Aug 2014 13:50	24.5 25.7, 25.8	209.8	-62, 37	25 Aug 2014 14:06	14' 50"	Roland Felder	24.6 ^{+0.3}	38 ⁻⁰	-8, -9 -6, -19	-18, -38	✓
47CS MAG3315	26 Aug 2014 10:34	24.9 25.2, 25.3	211.1	-93, 16	26 Aug 2014 10:53	8' 3"	Roland Felder	25.0 ^{+0.1}	42 ⁻⁰	-10, -8 -10, -20	-71, -49	✓

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	start	[°C] T _{air} / T _{body}	[Hz] f ₂	[μm] W-m _{support}	start	duration	by	[°C] T _{air}	[%] H _{air}	[μm] WH1,2 _{offset}	[μm] W-m _{midTop}	OK
48cs MAG3316	29 Aug 2014 14:10	25.0 23.2, 23.4	216.8	-146, 24	29 Aug 2014 14:23	10' 56"	Roland Felder	25.0 ^{+0.1}	44 ⁻⁰	-14, -8 -16, -21	-26, -14	✓
49cs MAG3317	29 Aug 2014 15:22	25.1 23.6, 23.8	217.9	-143, 6	29 Aug 2014 15:38	7' 42"	Roland Felder	25.1 ^{-0.0}	44 ⁺⁰	-7, 10 -14, -12	-10, -9	✓
50cs MAG3318	1 Sep 2014 8:39	24.9 25.1, 25.2	218.9	-108, 4	1 Sep 2014 8:53	7' 55"	Roland Felder	24.9 ^{+0.2}	43 ⁻⁰	-4, 8 -6, 2	-4, -12	✓
51cs MAG3319	1 Sep 2014 10:38	25.0 21.5, 21.9	219.8	-106, 21	1 Sep 2014 11:14	8' 11"	Roland Felder	24.9 ^{+0.0}	43 ⁻¹	-4, 10 -12, 2	-15, 5	✓
	5 Sep 2014 0:00	lost the contact with the temperature server (AIT introduced IP filter that isolated the server, solved on Fri 12 Sep)										
	8 Sep 2014 0:00	new wire										
58cs MAG3326	12 Sep 2014 16:11	24.7 24.7, 25.0	219.4	-93, 51	12 Sep 2014 16:34	2' 24"	Roland Felder	25.0 ^{-0.1}	40 ⁺⁰	-22, -10 -22, -24	-10, 3	✓
57cs MAG3325	15 Sep 2014 9:02	25.6 25.1, 25.4	221.0	-101, 29	15 Sep 2014 9:37	11' 55"	Roland Felder	25.4 ^{-0.2}	47 ⁻²	-10, -8 -12, -20	-33, -20	✓
56cs MAG3324	15 Sep 2014 10:40	25.8 23.3, 23.7	214.9	-78, 57	15 Sep 2014 10:53	15' 56"	Roland Felder	25.8 ^{-0.4}	44 ⁻²	2, 11 -8, -8	-1, 14	✓
55cs MAG3323	15 Sep 2014 13:44	25.4 23.7, 24.2	212.6	-94, 41	15 Sep 2014 14:05	10' 12"	Roland Felder	25.4 ^{+0.1}	42 ⁻⁰	0, 16 -12, -6	-40, 1	✓
54cs MAG3322	15 Sep 2014 16:09	26.1 24.5, 24.9	218.6	-128, 40	15 Sep 2014 16:24	9' 0"	Roland Felder	26.1 ^{-0.4}	43 ⁻²	0, 16 -8, -3	-112, 25	✓
53cs MAG3321	16 Sep 2014 8:56	24.9 21.9, 22.7	217.1	-61, 45	16 Sep 2014 9:35	10' 36"	Roland Felder	25.0 ^{+0.1}	47 ⁻²	-6, -12 -8, -20	24, -11	✓

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QFDM	<i>magax</i>				<i>magaxFARO</i>							✓ X
	start	[°C] T _{air} / T _{body}	[Hz] f ₂	[μm] w-m _{support}	start	duration	by	[°C] T _{air}	[%] H _{air}	[μm] WH1,2 _{offset}	[μm] w-m _{midTop}	OK
52CS MAG3320	16 Sep 2014 11:02	24.9 22.2, 22.5	219.7	-35, -2	16 Sep 2014 11:15	8' 35"	Roland Felder	24.9 ^{+0.2}	43 ⁰	0, 4 -6, -4	4, -16	✓
26CS MAG3294	16 Sep 2014 15:59	25.5 24.5, 24.8	219.6	-105, 48	16 Sep 2014 16:13	21' 30"	Roland Felder	25.5 ^{-0.0}	41 ⁰	0, 9 -4, -4	-62, 12	✓