

QFD Vibrating Wire Magnetic Axis Measurements

QFD	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
05 MAG3210	28 Feb 2014 9:57	23.6 23.9, 24.2	215.0	-60, 54	28 Feb 2014 10:19	10' 41"	Roland Felder	23.7 ^{+0.3}	30 ⁺⁰	0, -22 -6, -10	5, 55	✓
04 MAG3209	28 Feb 2014 15:15	24.3 23.6, 23.8	221.1	-170, 64	28 Feb 2014 15:28	18' 40"	Roland Felder	24.3 ^{+0.2}	31 ⁺⁰	2, -25 -6, -5	41, 48	✓
03 MAG3208	3 Mar 2014 11:43	22.2 20.5, 20.7	213.9	-35, 21	3 Mar 2014 13:01	18' 38"	Roland Felder	22.4 ^{+0.3}	32 ⁺⁰	18, -24 9, -6	38, 83	✓
	5 Mar 2014 17:00	FARO course; the arm was moved and the coordinate system was lost; wire home positions have been newly defined										
02 MAG3207	6 Mar 2014 11:03		217.6	-121, 105	7 Mar 2014 8:23	1' 35"	Roland Felder			-12, -10 -8, -4	48, 67	✓
06 MAG3211	7 Mar 2014 11:04		212.1	-149, 67	7 Mar 2014 11:18	8' 34"	Roland Felder			-9, -4 -5, 0	5, 29	✓
07 MAG3212	7 Mar 2014 13:42		211.2	-32, 40	7 Mar 2014 13:58	8' 48"	Roland Felder			-2, -2 -6, -8	39, 41	✓
08 MAG3213	7 Mar 2014 15:13		216.2	-118, 32	7 Mar 2014 15:27	11' 32"	Roland Felder			-3, -2 -6, -10	51, 23	✓
11 MAG3216	10 Mar 2014 13:16	24.3 23.2, 23.4	219.2	-187, 85	10 Mar 2014 13:30	11' 10"	Roland Felder	24.3 ^{+0.2}	30 ⁺⁰	2, -12 -2, -8	65, 33	✓
12 MAG3217	10 Mar 2014 14:53	24.7 22.8, 22.9	210.4	-108, 38	10 Mar 2014 15:19	9' 23"	Roland Felder	24.8 ^{+0.2}	30 ⁺⁰	1, -12 -1, -10	16, 35	✓
13 MAG3218	10 Mar 2014 16:33	25.1 23.6, 23.6	216.6	-130, 38	10 Mar 2014 16:46	6' 35"	Roland Felder	25.1 ^{+0.4}	30 ⁻¹	-1, -13 0, -5	20, 6	✓

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14 MAG3219	11 Mar 2014 15:04	25.2 24.3, 24.5	212.5	-63, 54	11 Mar 2014 15:25	8' 7"	Roland Felder	25.2 ^{+0.1}	29 ⁺⁰	-17, -12 -20, -20	42, 4	✓
	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)										
15 MAG3220	12 Mar 2014 15:25	25.3 25.1, 25.3	212.9	-49, 55	12 Mar 2014 15:44	14' 51"	Roland Felder	25.3 ^{+0.3}	27 ⁺¹	-8, -16 -12, -19	13, 1	✓
09 MAG3214	17 Mar 2014 10:09	23.6 23.3, 23.6	213.2	86, 59	17 Mar 2014 10:22	10' 48"	Roland Felder	23.7 ^{+0.2}	32 ⁺⁰	2, -24 2, -22	25, -7	✓
10 MAG3215	17 Mar 2014 11:50	24.1 23.2, 23.4	225.9	-185, 80	17 Mar 2014 13:08	10' 57"	Roland Felder	24.4 ^{+0.3}	31 ⁺⁰	4, -16 -0, -18	63, 31	✓
16 MAG3221	20 Mar 2014 13:19	24.4 23.1, 23.3	216.5	-56, 42	20 Mar 2014 13:38	18' 56"	Roland Felder	24.4 ^{+0.2}	28 ⁻⁰	-2, -15 4, -17	41, 0	✓
17 MAG3222	25 Mar 2014 10:53	23.8 21.7, 21.8	219.4	-48, 23	25 Mar 2014 11:13	16' 26"	Roland Felder	23.8 ^{+0.3}	29 ⁺⁰	0, -8 6, -7	18, 16	✓
17warm MAG3222	27 Mar 2014 13:37	25.2 29.6, 29.9	213.9	-56, 10	27 Mar 2014 14:14	10' 12"	Roland Felder	25.4 ^{+0.1}	28 ⁻⁰	-15, -16 -8, -20	13, 18	✓
	2 Apr 2014 11:00	new WH supports made of G10 are mounted; the coordinate system and the stages home positions are redefined										
	10 Feb 2015 12:00	new stages home position										
46 MAG3251	11 Feb 2015 9:15	23.5 23.3, 23.7	219.7	-17, 61	11 Feb 2015 9:57	2' 53"	Roland Felder	23.6 ^{-0.1}	26 ⁻⁰	-10, -17 -10, -8	30, 19	✓
51 MAG3256	11 Feb 2015 11:59	24.2 20.0, 20.3	218.5	-7, 54	11 Feb 2015 12:53	10' 48"	Roland Felder	24.3 ^{+0.3}	26 ⁺¹	-7, -8 -10, -4	-44, 23	✓

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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
58 MAG3263	11 Feb 2015 14:24	23.9 19.7, 19.9	215.1	-4, 88	11 Feb 2015 14:37	9' 56"	Roland Felder	24.0 ^{+0.2}	26 ⁺⁰	-10, -16 -20, -8	8, 23	✓
55 MAG3260	12 Feb 2015 8:49	22.9 19.3, 19.6	219.6	11, 89	12 Feb 2015 10:10	2' 18"	Roland Felder	23.6 ^{+0.0}	26 ⁻⁰	-12, -21 -12, -14	30, 17	✓
54 MAG3259	12 Feb 2015 11:15	23.6 19.4, 19.6	221.3	-21, 11	12 Feb 2015 13:00	7' 54"	Roland Felder	23.7 ^{+0.5}	26 ⁻⁰	-8, -19 -14, -10	-6, 6	✓
61 MAG3266	12 Feb 2015 14:15	23.7 19.5, 19.8	220.4	-6, 70	12 Feb 2015 14:53	6' 41"	Roland Felder	23.8 ^{+0.5}	26 ⁺⁰	-4, -7 -11, -5	11, 6	✓
21 MAG3226	13 Feb 2015 8:37	23.8 23.1, 23.5	226.6	35, 68	13 Feb 2015 8:55	7' 36"	Roland Felder	23.9 ^{+0.5}	26 ⁺⁰	-10, -16 -16, -20	8, -3	✓
23 MAG3228	13 Feb 2015 10:12	23.6 21.3, 21.6	217.4	-64, 65	13 Feb 2015 10:24	10' 25"	Roland Felder	23.6 ^{+0.3}	27 ⁺⁰	-4, -9 -8, -3	-7, 22	✓
43 MAG3248	13 Feb 2015 11:38	23.8 21.4, 21.8	217.5	-82, 69	13 Feb 2015 12:53	7' 8"	Roland Felder	23.9 ^{+0.2}	26 ⁺⁰	-6, -6 -10, -4	50, -4	✓
24 MAG3229	13 Feb 2015 13:49	24.3 21.7, 22.0	218.2	-76, 26	13 Feb 2015 14:08	8' 13"	Roland Felder	24.1 ^{+0.2}	27 ⁻⁰	-5, -8 -14, -5	25, 1	✓
26 MAG3231	13 Feb 2015 15:05	24.2 21.9, 22.2	220.6	4, 29	13 Feb 2015 15:40	8' 19"	Roland Felder	24.2 ^{+0.5}	26 ⁻⁰	-10, -8 -14, -4	21, -20	✓
30 MAG3235	16 Feb 2015 8:39	23.3 22.9, 23.3	212.0	-101, 69	16 Feb 2015 8:57	6' 42"	Roland Felder	23.3 ^{+0.8}	26 ⁻¹	-16, -2 -14, 2	24, 13	✓
40 MAG3245	16 Feb 2015 10:23	23.7 21.1, 21.4	216.5	16, 72	16 Feb 2015 11:21	8' 9"	Roland Felder	24.7 ^{-1.0}	24 ⁺²	-12, 2 -16, 8	18, -21	✓

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53 MAG3258	17 Feb 2015 9:11	23.3 23.2, 23.6	219.2	-43, 81	17 Feb 2015 9:51	6' 50"	Roland Felder	23.7 ^{+0.3}	26 ⁻⁰	-18, -5 -18, 4	2, 32	✓
19 MAG3224	20 Feb 2015 14:18	24.4 23.0, 23.3	213.5	16, 59	20 Feb 2015 14:38	15' 34"	Roland Felder	24.6 ^{+0.2}	28 ⁺⁰	-18, -6 -24, -8	-6, 3	✓
18 MAG3223	26 Feb 2015 14:57	24.5 23.7, 24.1	223.2	-126, 47	26 Feb 2015 15:40	8' 31"	Roland Felder	24.6 ^{+0.3}	28 ⁺⁰	-24, -4 -28, 3	9, -12	✓
20 MAG3225	27 Feb 2015 0:00	23.9 20.6, 20.9	219.2	-33, 58	27 Feb 2015 9:33	8' 37"	Roland Felder	24.0 ^{+0.3}	28 ⁺⁰	-28, 0 -38, -6	-48, -3	✓
35 MAG3240	27 Feb 2015 10:32	24.2 20.8, 21.2	220.5	27, 55	27 Feb 2015 10:45	7' 59"	Roland Felder	24.2 ^{+0.3}	28 ⁻⁰	-23, 6 -31, 6	30, 44	✓
38 MAG3243	27 Feb 2015 11:41	24.4 20.8, 21.1	218.8	16, 36	27 Feb 2015 12:38	24' 47"	Roland Felder	24.5 ^{+0.3}	28 ⁺¹	-26, 0 -32, 7	36, 1	✓
22 MAG3227	2 Mar 2015 10:46	24.3 23.3, 23.7	218.1	-22, 25	2 Mar 2015 11:03	10' 21"	Roland Felder	24.3 ^{+0.2}	31 ⁻⁰	-14, -7 -20, -2	18, 25	✓
25 MAG3230	2 Mar 2015 15:54	24.3 22.5, 22.8	213.3	-49, 30	2 Mar 2015 16:08	11' 2"	Roland Felder	24.3 ^{+0.4}	31 ⁻⁰	-23, -8 -21, 2	-14, 15	✓
47 MAG3252	6 Mar 2015 13:26	24.9 26.3, 26.8	217.4	-34, 69	6 Mar 2015 13:45	8' 28"	Roland Felder	25.0 ^{+0.2}	26 ⁻⁰	-30, -14 -30, -6	51, -9	✓
42 MAG3247	9 Mar 2015 9:37	24.5 24.4, 24.7	217.5	0, 12	9 Mar 2015 9:51	6' 51"	Roland Felder	24.5 ^{+0.2}	26 ⁺⁰	-22, -8 -22, 4	35, -10	✓
45 MAG3250	9 Mar 2015 13:21	24.9 23.6, 23.9	218.2	-63, 18	9 Mar 2015 13:35	14' 23"	Roland Felder	24.9 ^{+0.3}	27 ⁺⁰	-17, -4 -27, -1	-49, 25	✓

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60 MAG3265	10 Mar 2015 8:40	24.7 26.4, 26.9	218.1	-5, -19	10 Mar 2015 9:00	5' 30"	Roland Felder	25.0 ^{+0.1}	26 ⁺⁰	-28, -8 -28, 4	27, -34	✓
50 MAG3255	11 Mar 2015 11:45	24.8 24.4, 24.8	221.4	17, 10	11 Mar 2015 12:52	7' 11"	Roland Felder	24.9 ^{+0.1}	29 ⁻⁰	-24, -12 -31, -6	49, 5	✓
44 MAG3249	11 Mar 2015 14:16	24.9 23.7, 24.0	214.1	-135, 26	11 Mar 2015 14:31	6' 7"	Roland Felder	24.9 ^{+0.2}	28 ⁻⁰	-20, -6 -28, 5	28, -14	✓
29 MAG3234	12 Mar 2015 9:13	24.7 24.7, 25.1	221.7	-36, 47	12 Mar 2015 9:46	12' 52"	Roland Felder	24.8 ^{+0.2}	25 ⁺⁰	-26, -8 -30, -4	83, 32	✓
49 MAG3254	12 Mar 2015 14:48	25.3 23.4, 23.7	218.5	84, 56	12 Mar 2015 15:22	8' 13"	Roland Felder	25.3 ^{+0.1}	26 ⁺⁰	-26, -5 -36, -2	23, 10	✓
48 MAG3253	13 Mar 2015 8:59	24.4 26.0, 26.5	223.3	-19, 1	13 Mar 2015 9:52	9' 18"	Roland Felder	25.0 ^{-0.1}	25 ⁻⁰	-26, -8 -26, -5	28, -17	✓
28 MAG3233	17 Mar 2015 13:44	25.4 25.1, 25.4	222.9	-75, -21	17 Mar 2015 13:57	16' 45"	Roland Felder	25.4 ^{+0.1}	28 ⁺⁰	-0, 0 2, 2	59, -35	✓
	17 Mar 2015 14:00	new stages home position										
33 MAG3238	30 Apr 2015 14:25	25.4 26.6, 27.0	216.0	-95, 59	30 Apr 2015 14:38	29' 37"	Roland Felder	25.3 ^{+0.0}	30 ⁺⁰	0, -6 -0, 4	55, 54	✓
	30 Apr 2015 16:00	new stages home position										
27 MAG3232	30 Apr 2015 16:21	25.8 22.8, 23.1	210.9	-60, 12	30 Apr 2015 16:38	10' 36"	Roland Felder	25.4 ^{-0.1}	30 ⁻⁰	-1, -6 -7, 2	24, -3	✓
31 MAG3236	4 May 2015 9:02	24.8 24.6, 24.9	223.4	-75, 86	4 May 2015 9:26	12' 17"	Roland Felder	24.8 ^{+0.3}	41 ⁺⁰	4, -12 -4, -4	36, 43	✓

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34 MAG3239	4 May 2015 11:41	25.0 22.9, 23.2	220.2	-2, 16	4 May 2015 13:00	6' 37"	Roland Felder	24.8 ^{-0.0}	42 ⁻⁰	6, -1 -4, 5	18, 19	✓
32 MAG3237	4 May 2015 14:00	25.2 23.2, 23.5	221.4	-72, -8	4 May 2015 14:29	4' 57"	Roland Felder	24.9 ^{+0.1}	43 ⁻⁰	10, -5 -2, 8	57, -3	✓
37 MAG3242	4 May 2015 15:24	25.3 23.3, 23.6	221.0	-23, 62	4 May 2015 16:03	6' 38"	Roland Felder	25.0 ^{+0.3}	43 ⁻¹	5, 0 -2, 6	39, 5	✓
39 MAG3244	5 May 2015 8:44	24.7 24.9, 25.3	221.5	10, 12	5 May 2015 9:22	7' 34"	Roland Felder	24.7 ^{+0.3}	48 ⁻¹	-0, -18 -10, -10	30, 1	✓
36 MAG3241	5 May 2015 10:40	25.4 23.5, 23.8	223.8	5, -10	5 May 2015 11:33	1' 33"	Roland Felder	25.2 ^{-0.1}	43 ⁺⁰	4, -4 -4, 4	-16, 58	✓
56 MAG3261	29 Jul 2015 14:31	25.3 25.7, 26.0	217.6	-10, 16	29 Jul 2015 14:48	10' 51"	Roland Deckardt	25.3 ^{+0.2}	44 ⁻⁰	-0, 20 -0, 18	41, 55	✓
62 MAG3267	30 Jul 2015 11:02	24.5 24.8, 25.2	215.4	-15, 25	30 Jul 2015 12:33	10' 43"	Roland Deckardt	24.4 ^{+0.3}	39 ⁻⁰	0, 6 8, 14	28, 27	✓
63 MAG3268	31 Jul 2015 11:22	24.5 23.2, 23.5	221.7	-19, 25	31 Jul 2015 13:06	17' 33"	Roland Deckardt	24.8 ^{+0.3}	36 ⁻⁰	-1, 4 -7, 4	-1, -21	✓
52 MAG3257	3 Aug 2015 13:53	24.9 25.3, 25.7	217.5	-17, 34	3 Aug 2015 15:31	10' 21"	Roland Deckardt	25.1 ^{+0.5}	48 ⁻¹	4, -16 -0, -14	26, 15	✓
41 MAG3246	4 Aug 2015 10:57	25.0 24.0, 24.3	216.2	-30, 38	4 Aug 2015 11:17	9' 49"	Roland Deckardt	25.1 ^{+0.2}	46 ⁻¹	1, -20 -3, -10	42, 10	✓
57 MAG3262	4 Aug 2015 14:34	25.0 24.3, 24.6	215.5	-29, 18	4 Aug 2015 14:51	11' 53"	Roland Deckardt	25.1 ^{+0.2}	46 ⁻⁰	3, -10 -8, -16	34, 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
59 MAG3264	5 Aug 2015 10:53	25.0 25.4, 25.9	215.8	-29, 19	5 Aug 2015 11:21	11' 58"	Roland Deckardt	24.9 ^{+0.2}	46 ⁻⁰	0, -16 -10, -16	12, 32	✓
01 MAG3206	23 Oct 2015 14:30	25.9 26.5, 26.9	223.3	-80, 72	23 Oct 2015 14:50	18' 17"	Roland Deckardt	25.9 ^{+0.3}	34 ⁻⁰	0, -14 6, -14	-864, 36	✓