

QFF Vibrating Wire Magnetic Axis Measurements

QFF	<i>magax</i>				<i>magaxFARO</i>							OK
	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}	
	14 Jan 2015 0:00	wire from 7 Sep 2014; home position from 14 Jan 2015; incorrect stages positions - (X, Y) adjusted by 60 μm										
03 MAG3337	15 Jan 2015 8:40	23.1 22.9, 23.2	215.1	-30, -61	15 Jan 2015 8:55	9' 21"	Roland Felder	23.1 ^{+0.3}	32 ⁺⁰	-10, -15 -6, -10	-83, 16	✓
02 MAG3336	15 Jan 2015 10:05	23.6 20.7, 21.0	211.7	34, -61	15 Jan 2015 10:18	10' 40"	Roland Felder	23.6 ^{+0.1}	32 ⁺⁰	-6, -4 -2, 2	-29, 17	✓
01 MAG3335	15 Jan 2015 11:28	23.7 20.7, 21.0	213.4	35, -74	15 Jan 2015 12:48	7' 21"	Roland Felder	23.9 ^{+0.2}	32 ⁺⁰	-2, -7 -1, -1	-9, 10	✓
04 MAG3338	15 Jan 2015 14:01	24.2 21.4, 21.7	219.1	-8, -85	15 Jan 2015 14:14	9' 22"	Roland Felder	24.2 ^{+0.1}	32 ⁺⁰	4, 4 2, 4	-56, -2	✓
05 MAG3339	15 Jan 2015 15:13	24.3 20.9, 21.2	222.2	16, -58	15 Jan 2015 16:28	6' 58"	Roland Felder	24.3 ^{+0.2}	32 ⁺⁰	-1, 5 -2, 0	-50, -38	✓
06 MAG3340	16 Jan 2015 8:59	23.4 20.5, 20.8	220.8	8, -84	16 Jan 2015 9:23	2' 56"	Roland Felder	23.6 ^{-0.1}	32 ⁺⁰	-1, -4 -6, -8	-40, -17	✓
07 MAG3341	16 Jan 2015 10:18	23.6 20.6, 20.9	220.1	-42, -75	16 Jan 2015 10:33	8' 53"	Roland Felder	23.6 ^{+0.1}	32 ⁺⁰	-4, 6 -2, -4	-71, 21	✓
08 MAG3342	16 Jan 2015 11:31	23.7 20.7, 21.0	223.9	7, -113	16 Jan 2015 12:57	6' 41"	Roland Felder	24.0 ^{+0.2}	32 ⁺⁰	1, 0 0, -0	-60, -12	✓
09 MAG3343	16 Jan 2015 14:02	24.1 20.8, 21.1	212.3	-24, -61	16 Jan 2015 14:15	7' 37"	Roland Felder	24.0 ^{+0.2}	32 ⁻⁰	-2, -0 -2, -2	-47, -25	✓
10 MAG3344	22 Jan 2015 13:20	23.6 24.1, 24.5	215.2	-51, -107	22 Jan 2015 13:54	2' 51"	Roland Felder	22.7 ^{+0.0}	31 ⁺⁰	3, -8 3, -10	-64, -55	✓

QFF Vibrating Wire Magnetic Axis Measurements

QFF	<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
11 MAG3345	23 Jan 2015 9:22	22.4 23.6, 24.1	216.2	38, -87	23 Jan 2015 10:14	7' 57"	Roland Felder	23.3 ^{+0.3}	31 ⁺⁰	-5, -12 -5, -12	-25, -38	✓
13 MAG3347	28 Jan 2015 9:08	22.6 22.1, 22.4	212.0	10, -40	28 Jan 2015 9:43	8' 30"	Roland Felder	22.7 ^{+0.2}	30 ⁺⁰	0, -10 4, -6	-64, 9	✓
12 MAG3346	28 Jan 2015 14:04	23.4 21.8, 22.2	213.9	9, -43	28 Jan 2015 14:46	1' 42"	Roland Felder	23.6 ^{+0.0}	30 ⁻⁰	6, -8 -6, -14	-43, -48	✓
14 MAG3348	2 Feb 2015 8:54	22.3 21.8, 22.2	214.2	28, -60	2 Feb 2015 9:26	9' 03"	Roland Felder	22.6 ^{+0.2}	29 ⁺⁰	14, -2 9, -13	-40, -7	✓
15 MAG3349	2 Feb 2015 10:32	22.9 19.6, 19.9	214.2	45, -63	2 Feb 2015 10:50	8' 47"	Roland Felder	22.9 ^{+0.2}	30 ⁺⁰	8, -14 8, -6	-31, -58	✓
16 MAG3350	2 Feb 2015 11:56	22.9 19.5, 19.8	218.3	2, -47	2 Feb 2015 12:46	10' 42"	Roland Felder	23.0 ^{+0.4}	30 ⁺⁰	17, -0 7, -2	-70, -5	✓
17 MAG3351	2 Feb 2015 13:55	23.3 20.8, 21.1	222.6	46, -61	2 Feb 2015 14:19	6' 58"	Roland Felder	23.4 ^{+0.2}	29 ⁺¹	12, -12 4, -6	-31, -32	✓
18 MAG3352	2 Feb 2015 15:17	23.6 20.8, 21.1	220.9	20, -48	2 Feb 2015 15:38	5' 56"	Roland Felder	23.7 ^{+0.1}	30 ⁺⁰	10, -10 4, -4	-25, 12	✓
21 MAG3355	3 Feb 2015 8:33	22.1 23.4, 23.9	222.0	13, -51	3 Feb 2015 8:46	7' 26"	Roland Felder	22.1 ^{+0.8}	30 ⁻¹	-6, -26 4, -16	-48, -2	✓
22 MAG3356	3 Feb 2015 10:19	23.3 19.8, 20.1	224.1	18, -56	3 Feb 2015 10:33	6' 41"	Roland Felder	23.3 ^{+0.1}	29 ⁺¹	6, -12 6, -8	-4, 6	✓
24 MAG3358	3 Feb 2015 11:40	23.3 19.8, 20.0	214.7	36, -47	3 Feb 2015 12:51	8' 28"	Roland Felder	23.4 ^{+0.1}	28 ⁺⁰	8, -9 4, -6	-33, 37	✓

QFF Vibrating Wire Magnetic Axis Measurements

QFF	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
p2 MAG3332	3 Feb 2015 13:55	23.6 19.7, 20.0	214.8	73, -125	3 Feb 2015 14:26	2' 27"	Roland Felder	23.7 ^{+0.0}	29 ⁻⁰	9, 4 5, -6	-5, 45	✓
p5 MAG3333	4 Feb 2015 8:48	23.3 23.0, 23.4	216.4	103, -123	4 Feb 2015 9:23	8' 54"	Roland Felder	23.6 ^{+0.2}	28 ⁺¹	-4, -18 -4, -20	57, -6	✓
p6 MAG3334	4 Feb 2015 10:56	23.8 21.1, 21.4	212.2	-2, -75	4 Feb 2015 12:54	7' 14"	Roland Felder	23.9 ^{+0.2}	27 ⁺⁰	0, -6 4, -4	51, -11	✓
	4 Feb 2015 12:00	new version of magax.py (EPICS/python waitForChannel)										
p1 MAG3331	4 Feb 2015 15:00	24.6 23.2, 23.5	218.4	31, -101	4 Feb 2015 16:07	3' 50"	Roland Deckardt	25.0 ^{-0.0}	28 ⁺⁰	12, 6 18, 12	92, -48	✓
19 MAG3353	5 Feb 2015 15:13	24.0 23.8, 24.2	212.5	114, 17	5 Feb 2015 15:59	7' 32"	Roland Deckardt	24.7 ^{-0.0}	29 ⁻⁰	0, -10 2, -2	-12, -15	✓
23 MAG3357	6 Feb 2015 14:16	23.3 20.5, 20.9	209.0	122, 47	6 Feb 2015 14:47	3' 28"	Roland Deckardt	23.7 ^{+0.0}	27 ⁺⁰	2, -16 5, -10	11, -25	✓
20 MAG3354	9 Feb 2015 0:00	23.3 23.4, 23.7	213.2	48, 28	9 Feb 2015 17:12	8' 22"	Roland Deckardt	23.3 ^{+0.1}	26 ⁻⁰	6, -4 10, 2	-22, 27	✓
	6 Mar 2018 12:00	magnet series for Athos line										
31 MAG3175	7 Mar 2018 13:38	23.7 23.4, 23.8	214.6	-70, -73	7 Mar 2018 14:00	15' 5"	Vjeran Vranković	23.7 ^{+0.0}	29 ⁺⁰	22, -83 94, -54	54, -3	X
31 MAG3175	7 Mar 2018 13:38	23.7 23.4, 23.8	214.6	-70, -73	7 Mar 2018 14:00	15' 05"	Vjeran Vranković	23.7 ^{+0.0}	29 ⁺⁰	22, -83 94, -54	54, -3	X
33 MAG3177	7 Mar 2018 16:29	23.5 23.5, 23.9	212.6	-122, 14	7 Mar 2018 16:52	22' 52"	Vjeran Vranković	23.5 ^{+0.4}	29 ⁺⁰	216, -74 -108, -88	111, 17	X

QFF Vibrating Wire Magnetic Axis Measurements

QFF	<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
33 MAG3177	7 Mar 2018 16:29	23.5 23.5, 23.9	212.6	-122, 14	7 Mar 2018 16:52	22' 52"	Vjeran Vranković	23.5 ^{+0.4}	29 ⁺⁰	216, -74 -108, -88	111, 17	X
41 MAG3185	8 Mar 2018 11:01	23.0 23.0, 23.4	212.7	-149, 89	8 Mar 2018 11:23	8' 50"	Vjeran Vranković	23.0 ^{+0.3}	30 ⁺⁰	174, -106 -60, -50	91, 26	X
25 MAG3169	8 Mar 2018 14:49	23.4 22.9, 23.3	216.6	-135, 16	8 Mar 2018 15:23	7' 18"	Vjeran Vranković	23.4 ^{+0.3}	30 ⁻⁰	183, -105 -62, -51	63, 17	X
29 MAG3173	8 Mar 2018 16:39	23.6 23.1, 23.4	216.4	-142, 21	8 Mar 2018 17:02	7' 34"	Vjeran Vranković	23.6 ^{+0.2}	30 ⁺⁰	194, -96 -76, -56	115, -6	X
27 MAG3171	8 Mar 2018 18:21	23.7 23.2, 23.5	216.4	-112, 22	8 Mar 2018 18:43	7' 38"	Vjeran Vranković	23.7 ^{+0.1}	30 ⁻⁰	198, -98 -88, -60	78, 7	X
37 MAG3181	9 Mar 2018 10:34	23.2 22.9, 23.2	216.2	-165, 113	9 Mar 2018 10:55	7' 44"	Vjeran Vranković	23.2 ^{+0.3}	29 ⁻⁰	197, -98 -83, -56	118, 34	X
30 MAG3174	9 Mar 2018 12:07	23.3 22.9, 23.3	218.3	-19, -69	9 Mar 2018 12:49	9' 32"	Vjeran Vranković	23.3 ^{+0.3}	29 ⁺⁰	194, -100 -78, -52	19, -5	✓
35 MAG3179	9 Mar 2018 15:57	23.4 23.5, 23.9	212.4	-95, 31	9 Mar 2018 16:19	7' 29"	Vjeran Vranković	23.4 ^{+0.3}	29 ⁻⁰	62, -65 59, -61	148, 18	X
36 MAG3180	14 Mar 2018 9:44	23.1 23.0, 23.4	214.3	-141, 69	14 Mar 2018 11:09	7' 17"	Vjeran Vranković	23.2 ^{+0.3}	33 ⁺⁰	64, -83 56, -54	101, 13	X
46 MAG3190	15 Mar 2018 9:01	23.1 23.0, 23.4	216.5	-125, 8	15 Mar 2018 9:25	7' 09"	Vjeran Vranković	23.1 ^{+0.2}	32 ⁺⁰	58, -106 46, -22	106, 8	X
39 MAG3183	15 Mar 2018 10:25	23.3 22.7, 23.0	212.8	-102, 39	15 Mar 2018 10:48	6' 46"	Vjeran Vranković	23.2 ^{+0.1}	32 ⁻⁰	60, -94 42, -22	91, 25	X

QFF Vibrating Wire Magnetic Axis Measurements

QFF	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
42 MAG3186	15 Mar 2018 15:15	23.4 22.9, 23.2	218.2	-107, 30	15 Mar 2018 16:26	6' 11"	Vjeran Vranković	23.4 ^{+0.2}	32 ⁺⁰	-5, -104 110, -30	112, 31	X
	26 Mar 2018 18:00	problem with the FARO-Arm coordinate system drift (a rotation actually)										
43 MAG3187	9 Apr 2018 13:21	24.5 25.2, 25.6	213.5	-187, -34	9 Apr 2018 13:57	8' 34"	Vjeran Vranković	24.5 ^{+1.1}	32 ⁻¹	72, -51 -68, -65	89, -39	X
26 MAG3170	9 Apr 2018 15:13	24.7 24.0, 24.3	214.6	-110, 45	9 Apr 2018 15:40	8' 16"	Vjeran Vranković	24.7 ^{+0.8}	33 ⁻¹	74, -52 69, -70	90, -17	X
40 MAG3184	9 Apr 2018 16:32	24.9 23.9, 24.2	216.3	-153, -17	9 Apr 2018 16:54	7' 52"	Vjeran Vranković	24.9 ^{+0.5}	33 ⁻⁰	77, -58 71, -72	129, -36	X
45 MAG3189	9 Apr 2018 17:43	25.0 24.0, 24.4	211.9	-159, 72	9 Apr 2018 18:05	7' 44"	Vjeran Vranković	25.0 ^{+0.5}	33 ⁻⁰	76, -50 70, -72	83, -3	X
34 MAG3178	9 Apr 2018 19:59	25.0 23.5, 23.8	214.5	-151, -22	9 Apr 2018 20:21	7' 28"	Vjeran Vranković	25.0 ^{+0.5}	33 ⁻⁰	72, -56 71, -76	57, -52	X
44 MAG3188	10 Apr 2018 10:10	24.5 24.3, 24.7	216.5	-91, 17	10 Apr 2018 10:34	6' 54"	Vjeran Vranković	24.6 ^{+0.3}	34 ⁺⁰	65, -50 68, -77	56, -18	X
32 MAG3176	10 Apr 2018 12:12	24.6 24.5, 24.9	216.0	-130, -55	10 Apr 2018 12:40	7' 29"	Vjeran Vranković	24.6 ^{+0.4}	34 ⁺⁰	74, -45 68, -77	111, -44	X
28 MAG3172	10 Apr 2018 13:55	24.8 24.5, 24.8	215.0	-76, -110	10 Apr 2018 14:23	7' 23"	Vjeran Vranković	24.8 ^{+0.4}	35 ⁻⁰	72, -50 68, -75	64, -49	X
38 MAG3182	10 Apr 2018 15:38	25.0 24.4, 24.7	214.7	-143, 53	10 Apr 2018 16:02	7' 15"	Vjeran Vranković	25.0 ^{+0.4}	35 ⁺⁰	71, -52 70, -76	91, -15	X

QFF Vibrating Wire Magnetic Axis Measurements

QFF	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
51 MAG3195	11 Apr 2018 13:10	24.5 24.6, 25.0	213.4	-147, -27	11 Apr 2018 13:31	7' 46"	Vjeran Vranković	24.4 ^{+0.6}	32 ⁻⁰	56, -73 65, -61	103, -43	X
	11 Apr 2018 14:00	the base plate change to QFD base plate, for QFF magnets with the standard girder support										
54 MAG3198	12 Apr 2018 10:11	24.6 24.8, 25.1	217.5	-100, -23	12 Apr 2018 10:35	6' 19"	Vjeran Vranković	24.6 ^{+0.3}	31 ⁻⁰	53, -62 69, -60	77, -1	X
50 MAG3194	12 Apr 2018 11:59	24.6 24.5, 24.8	216.6	-110, 11	12 Apr 2018 12:23	6' 41"	Vjeran Vranković	24.6 ^{+0.5}	31 ⁻⁰	50, -67 76, -60	84, -18	X
56 MAG3200	12 Apr 2018 13:31	24.6 24.2, 24.5	214.1	-238, -7	12 Apr 2018 13:59	1' 15"	Vjeran Vranković	25.0 ^{+0.0}	32 ⁻⁰	50, -67 72, -67	83, 21	X
52 MAG3196	12 Apr 2018 17:13	24.6 24.1, 24.5	213.9	-150, 42	12 Apr 2018 17:34	8' 57"	Vjeran Vranković	24.6 ^{+0.5}	30 ⁻²	50, -64 84, -60	131, 18	X
47 MAG3191	12 Apr 2018 18:44	24.8 24.0, 24.4	213.5	-228, 5	12 Apr 2018 19:06	6' 46"	Vjeran Vranković	24.7 ^{+0.4}	29 ⁻¹	42, -62 80, -64	98, -30	X
49 MAG3193	13 Apr 2018 10:32	23.9 23.4, 23.8	217.2	-165, -4	13 Apr 2018 10:54	6' 12"	Vjeran Vranković	23.9 ^{+0.5}	30 ⁻⁰	44, -60 84, -64	127, -2	X
48 MAG3192	13 Apr 2018 12:09	24.0 23.6, 23.9	213.6	-170, 20	13 Apr 2018 12:42	6' 29"	Vjeran Vranković	24.0 ^{+0.4}	30 ⁺⁰	46, -68 86, -62	111, -0	X
55 MAG3199	13 Apr 2018 13:53	24.1 23.6, 24.0	217.4	-223, 27	13 Apr 2018 14:16	7' 29"	Vjeran Vranković	24.1 ^{+0.4}	30 ⁺¹	-38, -68 174, -62	83, 21	X
57 MAG3201	13 Apr 2018 15:26	24.2 23.6, 24.0	218.6	-111, -23	13 Apr 2018 15:49	6' 15"	Vjeran Vranković	24.2 ^{+0.4}	30 ⁻⁰	-44, -68 180, -66	68, -43	X

QFF Vibrating Wire Magnetic Axis Measurements

QFF	<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
53 MAG3197	13 Apr 2018 19:28	24.5 25.0, 25.4	213.3	-178, -9	13 Apr 2018 20:05	1' 43"	Vjeran Vranković	24.8 ^{-0.0}	31 ⁻⁰	-47, -58 189, -64	86, -35	X