

RapidArc Test 1.1 Report

Aligned Image (Measurement Positions)

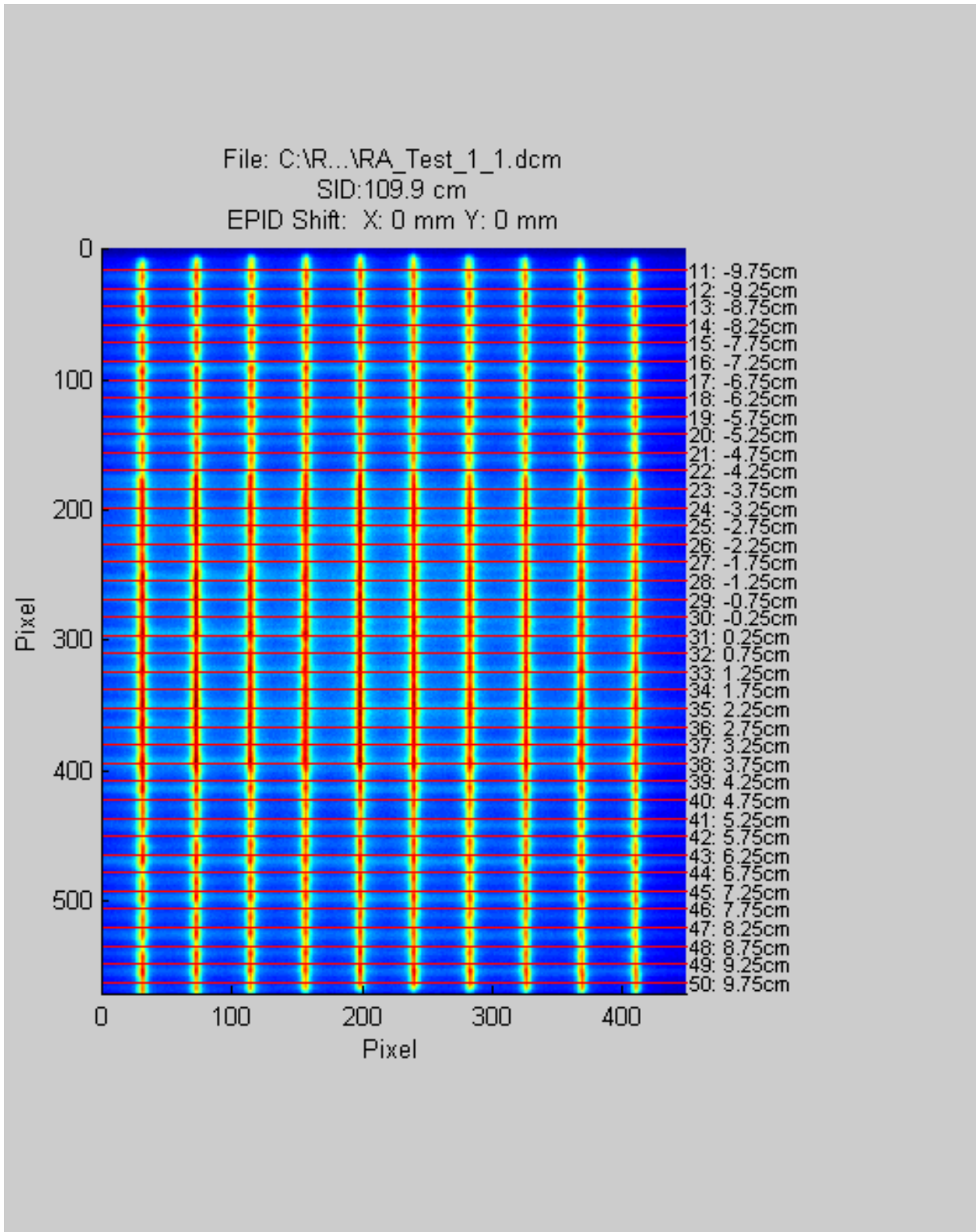


Image Information

Date	05-May-2019 14:54:52
Filename	C:\RIT\RIT113V4\Demo Images\MLC Tests\RapidArc\RA_Test_1_1.dcm
SID	109.9 cm
EPID Shift X	0 mm
EPID Shift Y	0 mm

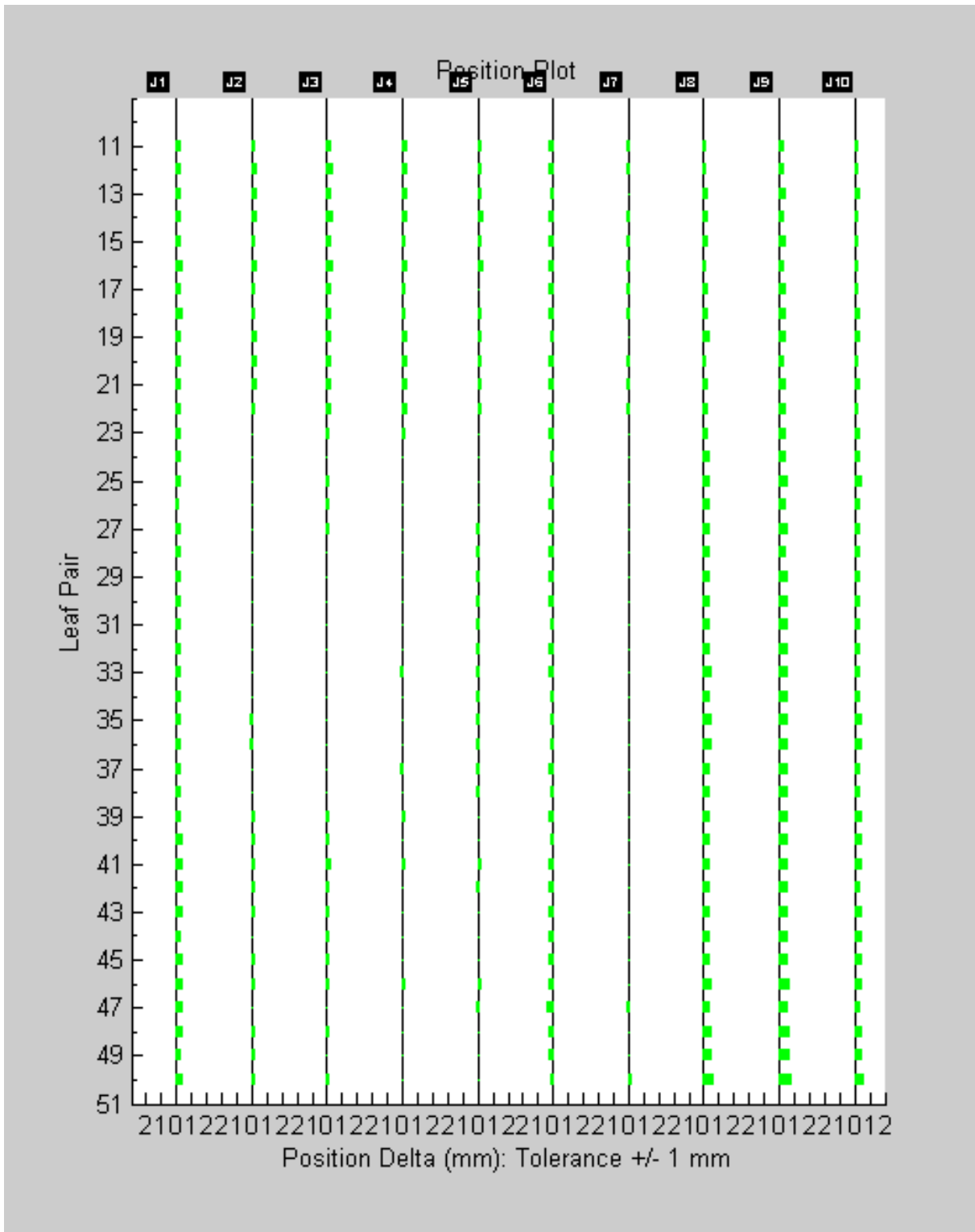
Overall Results

Criteria	Criteria Requirement (%)	Pass Rate (%)	Pass/Fail
Individual Leaf Position	100	100	Pass
Individual Leaf FWHM	100	100	Pass
Leaf Pair Position (0 fail/LP allowed)	100	100	Pass
Leaf Pair FWHM (0 fail/LP allowed)	100	100	Pass

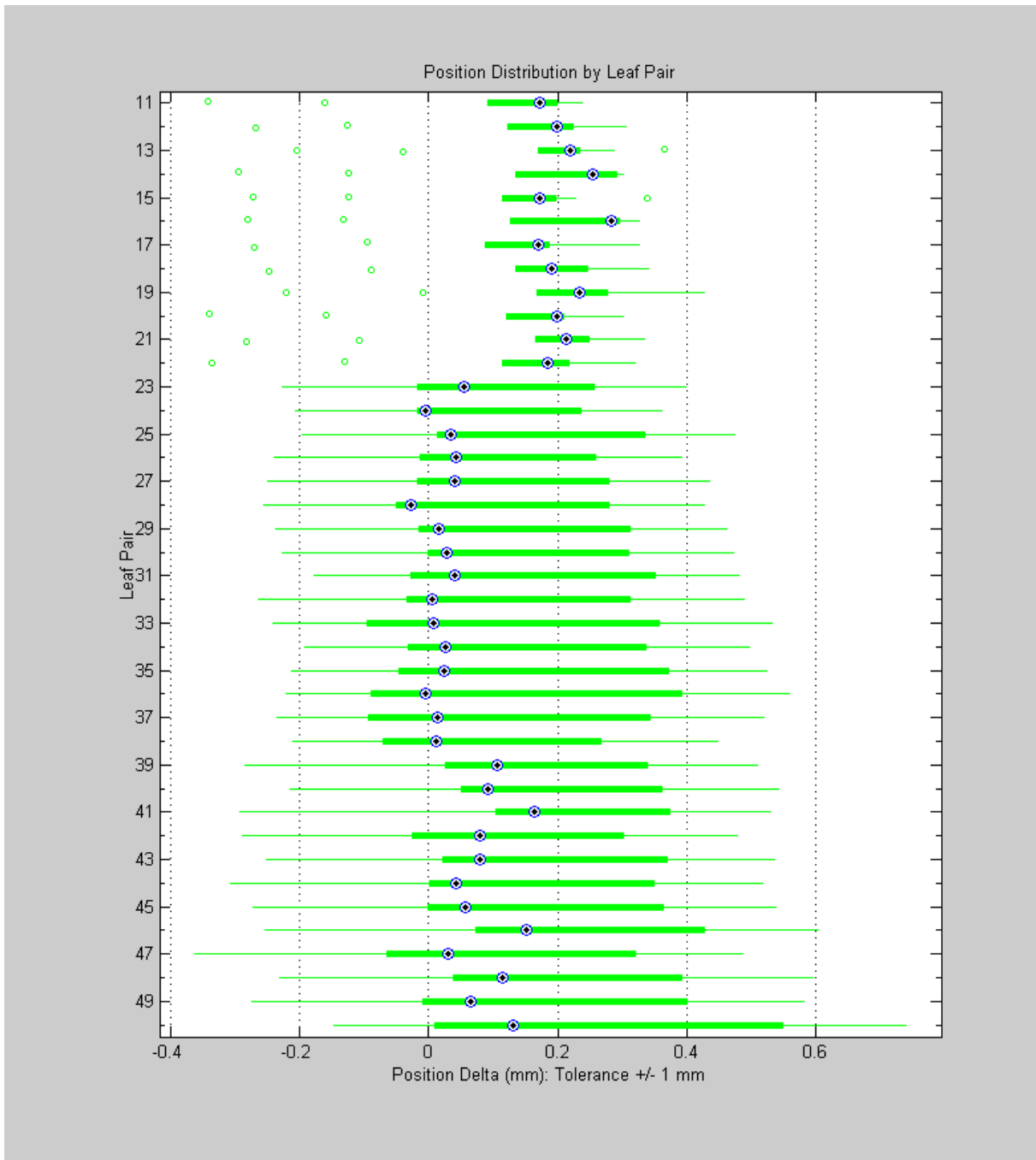
Summary Data

Statistic	Value
Total Leaf Junction Positions Analyzed	400
Number of Leaf Pairs Analyzed	40
Position Deviation Tolerance (mm)	1
Num. of Leaf Junction Positions Passing Position	400
% of Leaf Junction Positions Passing Position	100.00
Num. of Leaf Pairs Passing Position	40
% of Leaf Pairs Passing Position	100.00
Abs. Maximum Leaf Position Deviation (mm)	0.74
Max. Deviation Location [Junction Leaf Pair]	[9 50]
Leaf Position Median Deviation (mm)	0.14
Leaf Position Std. Dev. (mm)	0.21
FWHM Tolerance (mm)	4
Num. of Leaf Junction Positions Passing FWHM	400
% of Leaf Junction Positions Passing FWHM	100.00
Num. of Leaf Pairs Passing FWHM	40
% of Leaf Pairs Passing FWHM	100.00
Maximum Leaf FWHM (mm)	2.28
Max. FWHM Location [Junction Leaf Pair]	[1 31]
Leaf FWHM Median (mm)	2.11
Leaf FWHM Std. Dev. (mm)	0.07

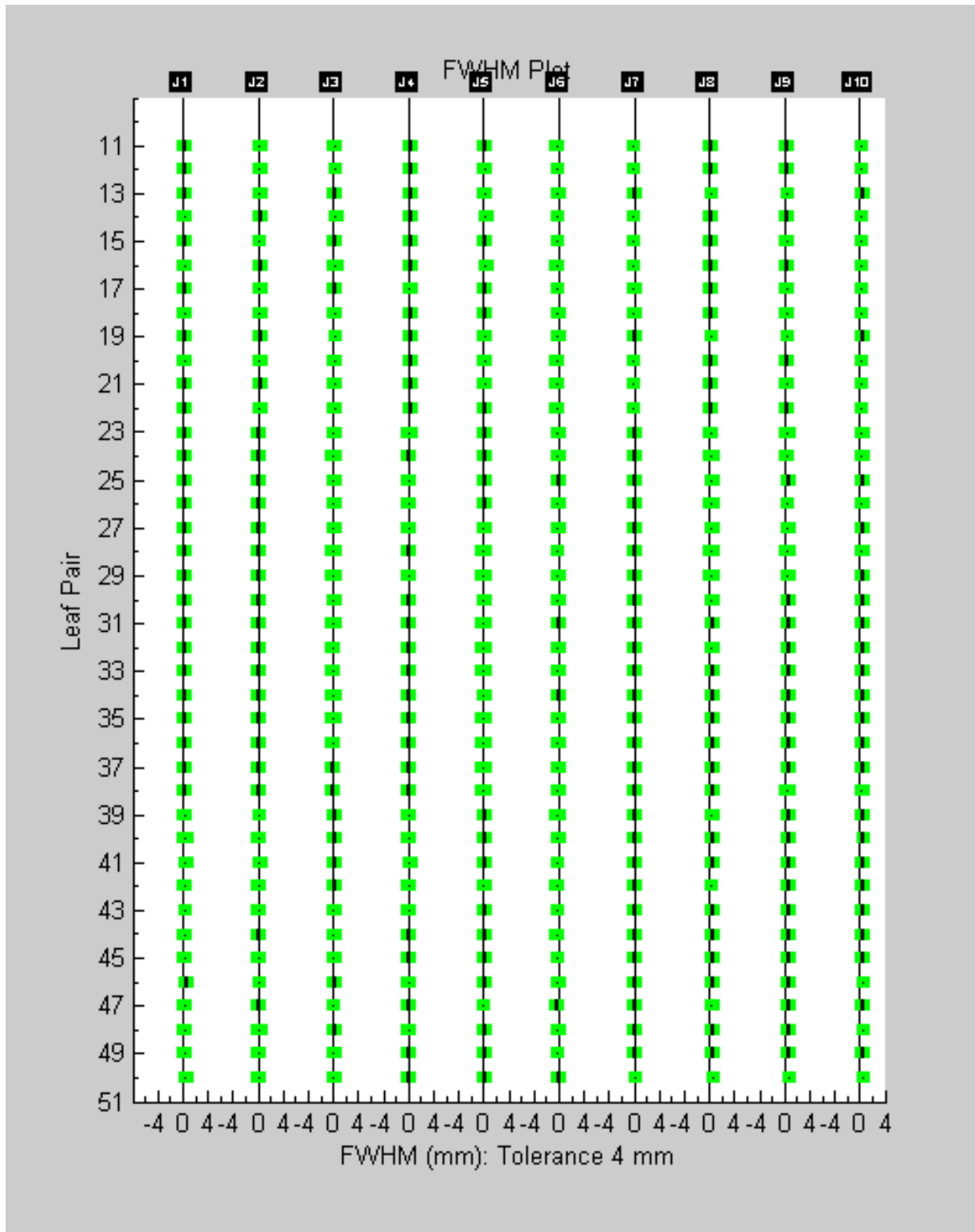
Leaf Position Deviation



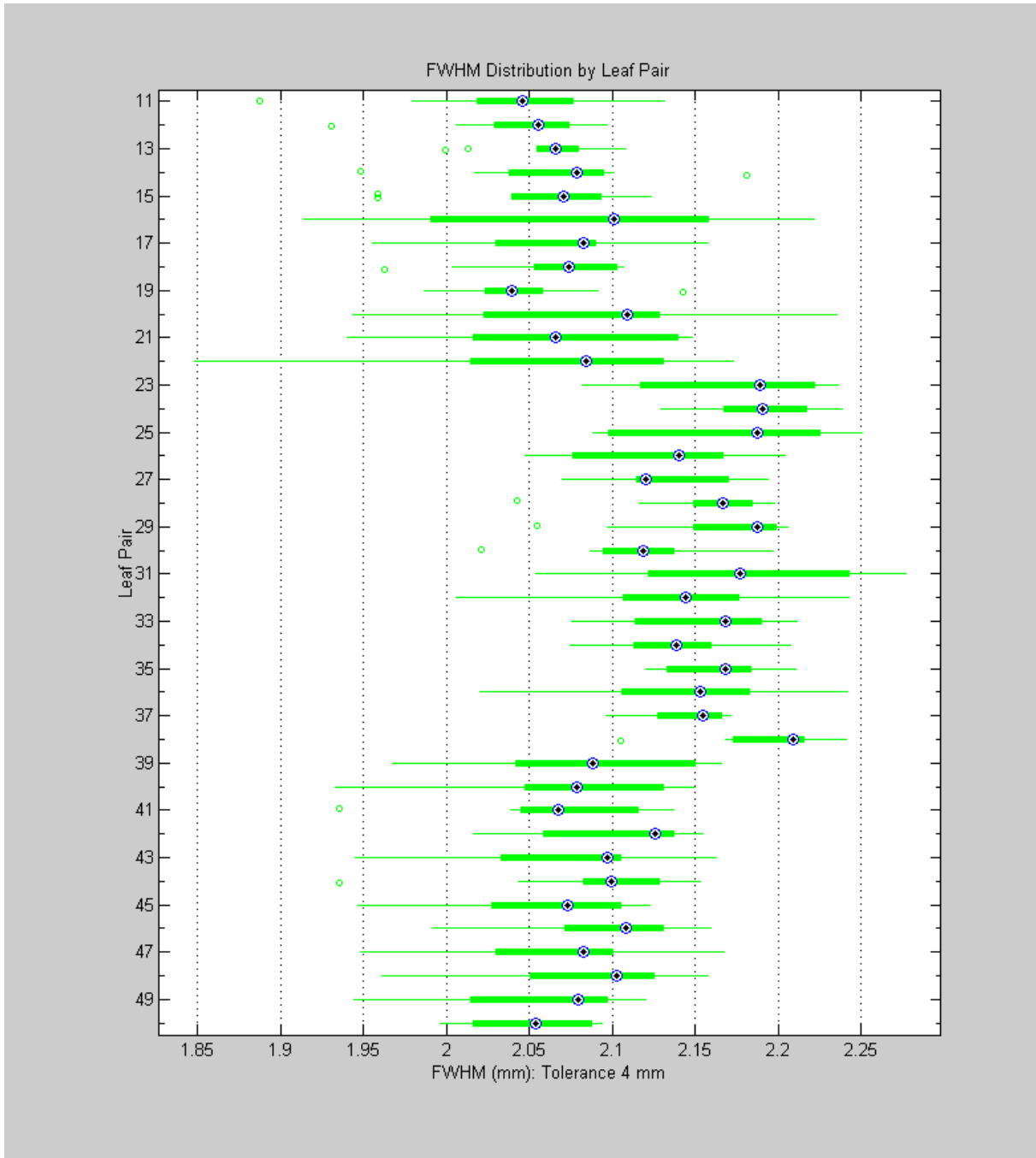
Leaf Position Distribution



Junction FWHM



Leaf FWHM Distribution



Position Statistics by Leaf Pair

Leaf Pair	Abs. Max (mm)	Median (mm)	Std. Dev. (mm)	Max Junction	Num. Failures
11	0.34	0.17	0.19	6	0
12	0.31	0.20	0.18	3	0
13	0.36	0.22	0.17	9	0
14	0.30	0.25	0.20	2	0
15	0.34	0.17	0.18	9	0
16	0.33	0.28	0.21	2	0
17	0.33	0.17	0.17	9	0
18	0.34	0.19	0.18	9	0
19	0.43	0.23	0.18	9	0
20	0.34	0.20	0.20	6	0
21	0.34	0.21	0.19	9	0
22	0.34	0.18	0.20	6	0
23	0.40	0.05	0.18	9	0
24	0.36	-0.01	0.18	9	0
25	0.47	0.03	0.21	9	0
26	0.39	0.04	0.18	9	0
27	0.44	0.04	0.20	9	0
28	0.43	-0.03	0.22	9	0
29	0.46	0.02	0.21	9	0
30	0.47	0.03	0.21	9	0
31	0.48	0.04	0.22	9	0
32	0.49	0.01	0.23	9	0
33	0.53	0.01	0.26	9	0
34	0.50	0.03	0.22	9	0
35	0.52	0.02	0.24	9	0
36	0.56	-0.01	0.26	9	0
37	0.52	0.01	0.25	9	0
38	0.45	0.01	0.22	9	0
39	0.51	0.11	0.23	9	0
40	0.54	0.09	0.23	9	0
41	0.53	0.16	0.24	9	0
42	0.48	0.08	0.22	9	0
43	0.54	0.08	0.24	9	0
44	0.52	0.04	0.24	9	0
45	0.54	0.06	0.25	9	0
46	0.60	0.15	0.25	9	0
47	0.49	0.03	0.26	9	0
48	0.60	0.11	0.25	9	0
49	0.58	0.06	0.26	9	0
50	0.74	0.13	0.30	9	0

FWHM Statistics by Leaf Pair

Leaf Pair	Max (mm)	Median (mm)	Std. Dev. (mm)	Max Junction	Num. Failures
11	2.13	2.05	0.07	2	0
12	2.10	2.06	0.05	5	0
13	2.11	2.07	0.03	2	0
14	2.18	2.08	0.06	1	0
15	2.12	2.07	0.06	1	0
16	2.22	2.10	0.09	3	0
17	2.16	2.08	0.05	1	0
18	2.11	2.07	0.05	5	0
19	2.14	2.04	0.04	1	0
20	2.24	2.11	0.08	1	0
21	2.15	2.07	0.08	9	0
22	2.17	2.08	0.09	1	0
23	2.24	2.19	0.05	3	0
24	2.24	2.19	0.04	5	0
25	2.25	2.19	0.07	5	0
26	2.20	2.14	0.06	1	0
27	2.19	2.12	0.04	4	0
28	2.20	2.17	0.05	3	0
29	2.21	2.19	0.05	3	0
30	2.20	2.12	0.05	5	0
31	2.28	2.18	0.07	1	0
32	2.24	2.14	0.08	2	0
33	2.21	2.17	0.05	1	0
34	2.21	2.14	0.04	2	0
35	2.21	2.17	0.03	5	0
36	2.24	2.15	0.06	2	0
37	2.17	2.15	0.03	1	0
38	2.24	2.21	0.04	2	0
39	2.17	2.09	0.07	3	0
40	2.15	2.08	0.07	5	0
41	2.14	2.07	0.06	2	0
42	2.15	2.13	0.05	5	0
43	2.16	2.10	0.07	2	0
44	2.15	2.10	0.06	5	0
45	2.12	2.07	0.05	3	0
46	2.16	2.11	0.06	1	0
47	2.17	2.08	0.06	6	0
48	2.16	2.10	0.06	2	0
49	2.12	2.08	0.05	5	0
50	2.09	2.05	0.04	4	0

Individual Leaf Position Deviation (mm)

Leaf Pair	J1	J2	J3	J4	J5	J6	J7	J8	J9	J10
11	0.18	0.18	0.21	0.20	0.11	-0.34	-0.16	0.09	0.24	0.17
12	0.21	0.22	0.31	0.22	0.15	-0.27	-0.13	0.12	0.28	0.19
13	0.23	0.22	0.20	0.22	0.17	-0.20	-0.04	0.22	0.36	0.29
14	0.28	0.30	0.29	0.27	0.24	-0.29	-0.12	0.13	0.29	0.20
15	0.19	0.17	0.20	0.17	0.11	-0.27	-0.12	0.16	0.34	0.23
16	0.29	0.33	0.32	0.29	0.28	-0.28	-0.13	0.13	0.29	0.21
17	0.17	0.17	0.19	0.16	0.09	-0.27	-0.10	0.17	0.33	0.22
18	0.29	0.20	0.21	0.18	0.14	-0.25	-0.09	0.18	0.34	0.25
19	0.24	0.23	0.24	0.22	0.17	-0.22	-0.01	0.28	0.43	0.29
20	0.27	0.21	0.20	0.20	0.16	-0.34	-0.16	0.12	0.30	0.20
21	0.25	0.23	0.24	0.20	0.17	-0.28	-0.11	0.18	0.34	0.25
22	0.24	0.19	0.22	0.20	0.11	-0.34	-0.13	0.13	0.32	0.18
23	0.18	0.00	0.03	0.08	-0.02	-0.23	-0.03	0.26	0.40	0.26
24	0.19	-0.03	-0.00	-0.01	-0.02	-0.21	-0.01	0.27	0.36	0.24
25	0.21	0.01	0.04	0.03	-0.00	-0.20	0.02	0.33	0.47	0.36
26	0.14	0.04	0.02	0.04	-0.01	-0.24	-0.03	0.27	0.39	0.26
27	0.20	0.04	0.04	0.04	-0.04	-0.25	-0.02	0.28	0.44	0.32
28	0.23	-0.03	-0.05	-0.05	-0.10	-0.26	-0.02	0.29	0.43	0.28
29	0.20	-0.01	-0.01	0.02	-0.06	-0.24	0.01	0.31	0.46	0.31
30	0.19	0.01	-0.00	0.01	-0.04	-0.23	0.04	0.31	0.47	0.31
31	0.24	0.03	-0.03	-0.01	-0.04	-0.18	0.05	0.35	0.48	0.35
32	0.18	0.01	-0.03	-0.00	-0.07	-0.26	-0.01	0.31	0.49	0.32
33	0.22	-0.03	-0.10	-0.09	-0.11	-0.24	0.04	0.42	0.53	0.36
34	0.22	-0.02	-0.03	0.00	-0.06	-0.19	0.05	0.37	0.50	0.34
35	0.21	-0.05	-0.03	-0.01	-0.05	-0.21	0.06	0.38	0.52	0.37
36	0.19	-0.08	-0.10	-0.05	-0.09	-0.22	0.04	0.39	0.56	0.40
37	0.24	-0.01	-0.10	-0.09	-0.07	-0.24	0.04	0.37	0.52	0.34
38	0.21	-0.03	-0.10	-0.07	-0.06	-0.21	0.06	0.37	0.45	0.27
39	0.26	0.13	0.08	0.07	0.03	-0.28	0.00	0.34	0.51	0.40
40	0.34	0.12	0.06	0.05	0.06	-0.22	0.03	0.36	0.54	0.42
41	0.37	0.19	0.13	0.10	0.11	-0.29	-0.02	0.36	0.53	0.41
42	0.28	0.09	0.07	0.04	-0.03	-0.29	-0.02	0.30	0.48	0.33
43	0.33	0.12	0.04	0.03	0.00	-0.25	0.02	0.37	0.54	0.40
44	0.26	0.07	0.02	0.01	0.00	-0.31	-0.02	0.35	0.52	0.38
45	0.28	0.09	0.02	0.00	-0.01	-0.27	0.01	0.36	0.54	0.40
46	0.41	0.17	0.08	0.07	0.14	-0.25	0.07	0.43	0.60	0.46
47	0.32	0.06	-0.00	-0.00	-0.06	-0.36	-0.07	0.30	0.49	0.36
48	0.29	0.16	0.07	0.04	0.04	-0.23	0.03	0.39	0.60	0.45
49	0.28	0.10	0.00	-0.01	-0.01	-0.27	0.03	0.40	0.58	0.42
50	0.38	0.11	0.01	0.00	0.02	-0.15	0.16	0.55	0.74	0.56

Individual Leaf FWHM (mm)

Leaf Pair	J1	J2	J3	J4	J5	J6	J7	J8	J9	J10
11	2.08	2.13	2.05	2.02	2.05	2.12	2.04	1.98	2.02	1.89
12	2.07	2.05	2.05	2.07	2.10	2.06	2.03	2.01	2.08	1.93
13	2.10	2.11	2.05	2.08	2.06	2.07	2.08	2.01	2.06	2.00
14	2.18	2.10	2.09	2.09	2.07	2.04	2.06	2.02	2.08	1.95
15	2.12	2.07	2.07	2.09	2.11	2.08	2.04	1.96	2.07	1.96
16	2.10	2.10	2.22	2.17	2.16	2.11	1.99	1.99	2.07	1.91
17	2.16	2.09	2.03	2.10	2.09	2.09	2.08	2.02	2.06	1.96
18	2.08	2.10	2.05	2.00	2.11	2.11	2.06	2.05	2.09	1.96
19	2.14	2.01	2.03	2.03	2.05	2.02	2.09	2.06	2.05	1.99
20	2.24	2.13	2.06	2.11	2.11	2.12	2.00	2.02	2.13	1.94
21	2.08	2.02	2.05	2.11	2.14	2.14	2.03	1.96	2.15	1.94
22	2.17	2.08	2.09	2.07	2.13	2.11	2.01	2.00	2.13	1.85
23	2.16	2.22	2.24	2.19	2.21	2.12	2.18	2.11	2.22	2.08
24	2.19	2.21	2.18	2.22	2.24	2.13	2.22	2.19	2.17	2.13
25	2.22	2.24	2.23	2.18	2.25	2.09	2.19	2.12	2.10	2.09
26	2.20	2.13	2.15	2.17	2.20	2.06	2.16	2.13	2.08	2.05
27	2.12	2.15	2.19	2.19	2.17	2.12	2.11	2.12	2.09	2.07
28	2.18	2.17	2.20	2.18	2.16	2.04	2.15	2.16	2.19	2.12
29	2.19	2.20	2.21	2.19	2.19	2.10	2.19	2.20	2.15	2.05
30	2.13	2.13	2.14	2.16	2.20	2.11	2.11	2.10	2.09	2.02
31	2.28	2.25	2.21	2.24	2.23	2.12	2.14	2.11	2.14	2.05
32	2.18	2.24	2.12	2.14	2.21	2.11	2.15	2.15	2.01	2.01
33	2.21	2.18	2.19	2.16	2.20	2.11	2.19	2.09	2.16	2.08
34	2.16	2.21	2.16	2.16	2.14	2.08	2.13	2.11	2.12	2.07
35	2.20	2.18	2.17	2.16	2.21	2.12	2.16	2.13	2.18	2.13
36	2.21	2.24	2.18	2.17	2.18	2.11	2.10	2.14	2.11	2.02
37	2.17	2.17	2.10	2.17	2.17	2.12	2.14	2.16	2.15	2.13
38	2.21	2.24	2.11	2.17	2.21	2.18	2.17	2.22	2.23	2.21
39	2.08	2.06	2.17	2.15	2.10	2.15	2.15	2.04	2.02	1.97
40	2.13	2.10	2.12	2.13	2.15	2.06	2.05	1.99	2.06	1.93
41	2.10	2.14	2.04	2.12	2.13	2.06	2.06	2.08	2.05	1.94
42	2.12	2.15	2.06	2.14	2.15	2.13	2.14	2.06	2.04	2.02
43	2.07	2.16	2.10	2.11	2.10	1.98	2.10	2.10	2.03	1.95
44	2.10	2.13	2.13	2.10	2.15	2.10	2.10	2.08	2.04	1.94
45	2.07	2.11	2.12	2.07	2.10	2.03	2.10	2.04	2.02	1.95
46	2.16	2.08	2.13	2.15	2.13	2.11	2.11	2.02	2.07	1.99
47	2.10	2.08	2.03	2.11	2.05	2.17	2.08	2.08	2.03	1.95
48	2.07	2.16	2.14	2.11	2.12	2.12	2.09	2.04	2.05	1.96
49	2.08	2.10	2.08	2.07	2.12	2.01	2.08	2.10	2.01	1.94
50	2.08	2.09	2.06	2.09	2.09	2.04	2.02	2.00	2.02	2.00

Failed Leaf Report**No Leaf Failures**