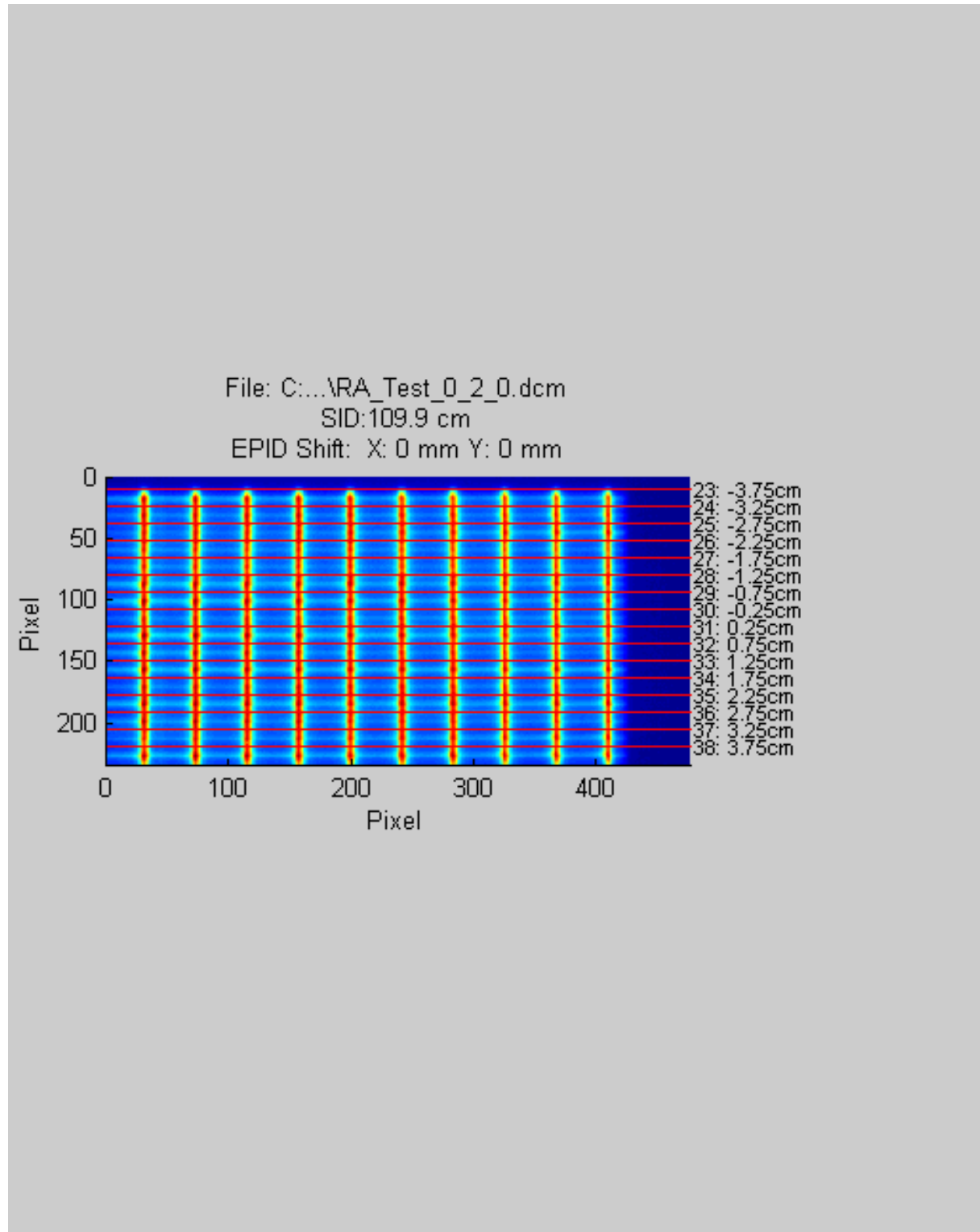


## RapidArc Test 0.2 Report

### Aligned Image (Measurement Positions)



## Image Information

Date	05-May-2019 15:14:06
Filename	C:\RIT\RIT113V4\Demo Images\MLC Tests\RapidArc\RA_Test_0_2_0.dcm
SID	109.9 cm
EPID Shift X	0 mm
EPID Shift Y	0 mm

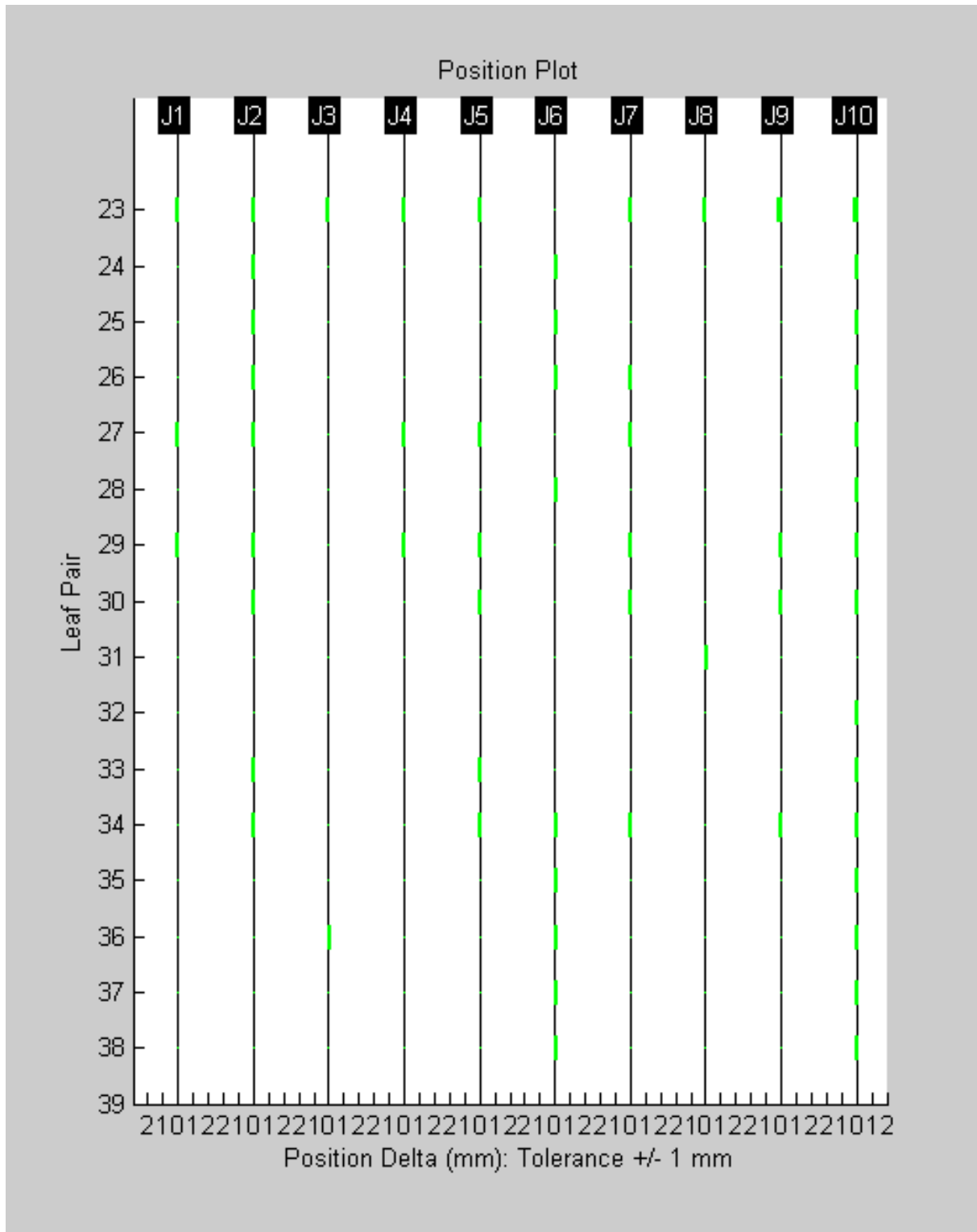
## Overall Results

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

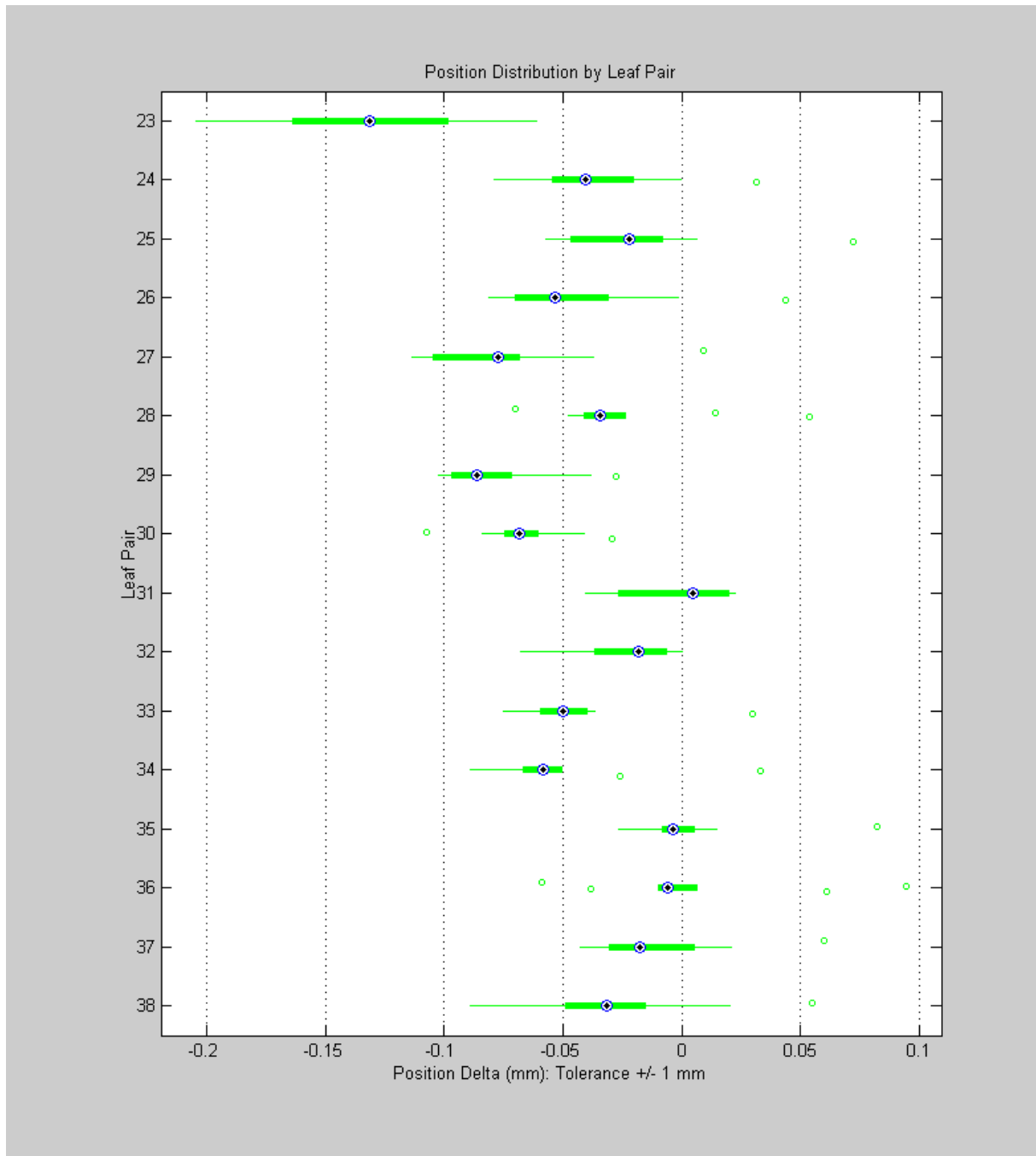
## Summary Data

Statistic	Value
Total Leaf Junction Positions Analyzed	160
Number of Leaf Pairs Analyzed	16
Position Deviation Tolerance (mm)	1
Num. of Leaf Junction Positions Passing Position	160
% of Leaf Junction Positions Passing Position	100.00
Num. of Leaf Pairs Passing Position	16
% of Leaf Pairs Passing Position	100.00
Abs. Maximum Leaf Position Deviation (mm)	-0.20
Max. Deviation Location [Junction Leaf Pair]	[9 23]
Leaf Position Median Deviation (mm)	-0.04
Leaf Position Std. Dev. (mm)	0.05
FWHM Tolerance (mm)	4
Num. of Leaf Junction Positions Passing FWHM	160
% of Leaf Junction Positions Passing FWHM	100.00
Num. of Leaf Pairs Passing FWHM	16
% of Leaf Pairs Passing FWHM	100.00
Maximum Leaf FWHM (mm)	2.58
Max. FWHM Location [Junction Leaf Pair]	[1 23]
Leaf FWHM Median (mm)	2.18
Leaf FWHM Std. Dev. (mm)	0.08

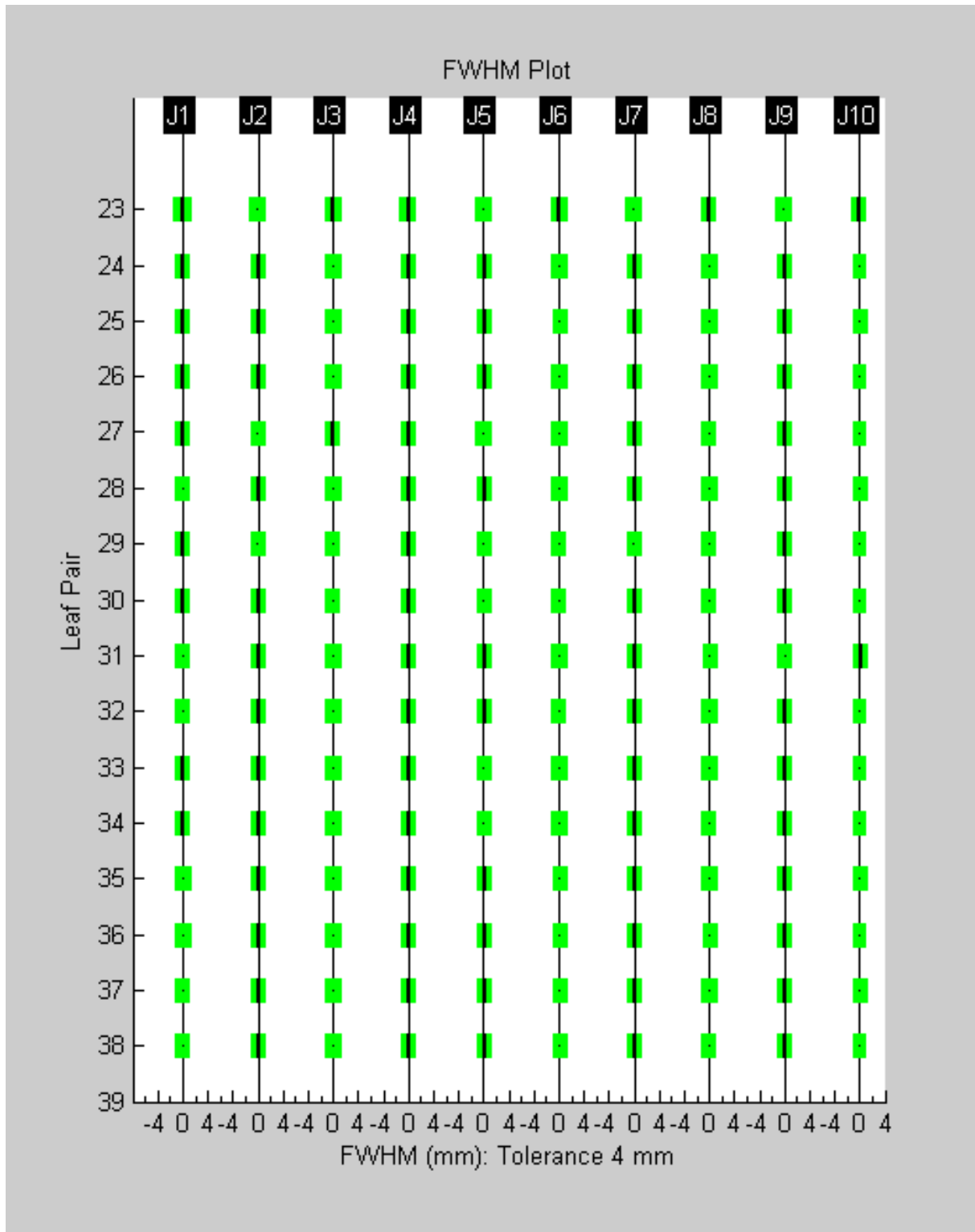
## Leaf Position Deviation



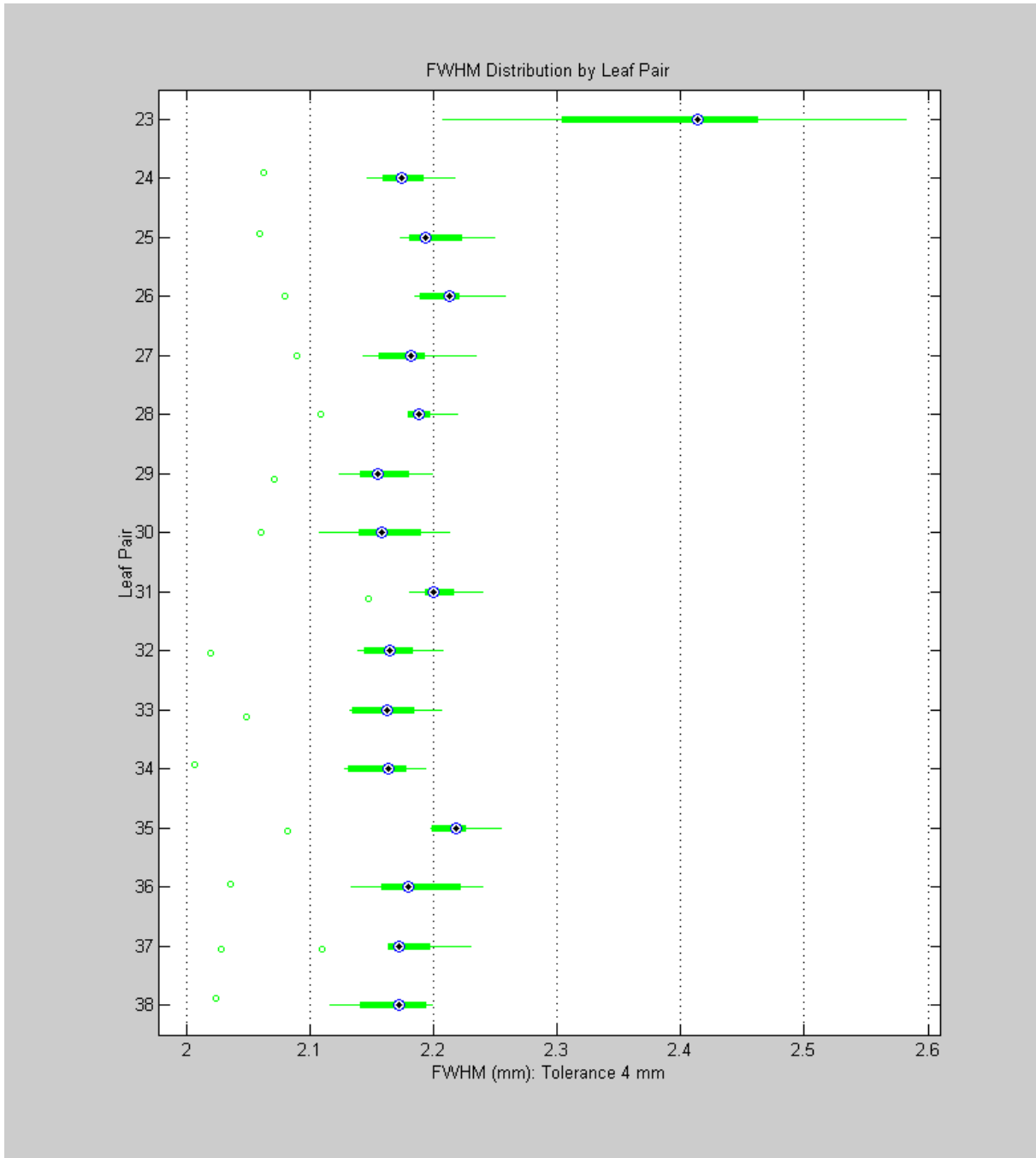
## Leaf Position Distribution



## Junction FWHM



## Leaf FWHM Distribution



## Position Statistics by Leaf Pair

Leaf Pair	Abs. Max (mm)	Median (mm)	Std. Dev. (mm)	Max Junction	Num. Failures
23	0.20	-0.13	0.05	9	0
24	0.08	-0.04	0.03	10	0
25	0.07	-0.02	0.04	6	0
26	0.08	-0.05	0.04	10	0
27	0.11	-0.08	0.04	1	0
28	0.07	-0.03	0.03	10	0
29	0.10	-0.09	0.03	1	0
30	0.11	-0.07	0.02	10	0
31	0.04	0.00	0.02	1	0
32	0.07	-0.02	0.02	10	0
33	0.08	-0.05	0.03	1	0
34	0.09	-0.06	0.03	10	0
35	0.08	-0.00	0.03	6	0
36	0.09	-0.01	0.04	6	0
37	0.06	-0.02	0.03	6	0
38	0.09	-0.03	0.04	10	0

## FWHM Statistics by Leaf Pair

Leaf Pair	Max (mm)	Median (mm)	Std. Dev. (mm)	Max Junction	Num. Failures
23	2.58	2.41	0.11	1	0
24	2.22	2.17	0.04	4	0
25	2.25	2.19	0.05	4	0
26	2.26	2.21	0.05	4	0
27	2.23	2.18	0.04	5	0
28	2.22	2.19	0.03	5	0
29	2.20	2.16	0.04	7	0
30	2.21	2.16	0.05	6	0
31	2.24	2.20	0.02	5	0
32	2.21	2.16	0.05	1	0
33	2.21	2.16	0.04	4	0
34	2.19	2.16	0.05	3	0
35	2.25	2.22	0.05	4	0
36	2.24	2.18	0.06	3	0
37	2.23	2.17	0.06	4	0
38	2.20	2.17	0.05	7	0

## Individual Leaf Position Deviation (mm)

Leaf Pair	J1	J2	J3	J4	J5	J6	J7	J8	J9	J10
23	-0.16	-0.10	-0.12	-0.13	-0.07	-0.06	-0.13	-0.16	-0.20	-0.20
24	-0.05	-0.06	-0.05	-0.02	-0.00	0.03	-0.03	-0.04	-0.04	-0.08
25	-0.05	-0.05	-0.04	-0.01	0.01	0.07	-0.02	-0.01	-0.02	-0.06
26	-0.07	-0.06	-0.07	-0.03	-0.00	0.04	-0.05	-0.05	-0.05	-0.08
27	-0.11	-0.10	-0.11	-0.08	-0.04	0.01	-0.08	-0.07	-0.07	-0.10
28	-0.02	-0.04	-0.03	-0.04	0.01	0.05	-0.04	-0.03	-0.05	-0.07
29	-0.10	-0.10	-0.10	-0.08	-0.04	-0.03	-0.09	-0.07	-0.08	-0.09
30	-0.07	-0.06	-0.07	-0.07	-0.04	-0.03	-0.06	-0.07	-0.08	-0.11
31	-0.04	-0.03	-0.03	-0.02	0.00	0.01	0.02	0.02	0.02	0.01
32	-0.02	-0.02	-0.02	-0.00	0.00	-0.01	-0.01	-0.04	-0.04	-0.07
33	-0.08	-0.06	-0.06	-0.05	-0.04	0.03	-0.04	-0.04	-0.05	-0.07
34	-0.07	-0.06	-0.06	-0.06	-0.03	0.03	-0.05	-0.06	-0.08	-0.09
35	-0.01	-0.01	-0.00	0.01	0.01	0.08	-0.00	-0.01	0.00	-0.03
36	-0.01	0.00	0.01	-0.01	0.06	0.09	-0.01	-0.01	-0.04	-0.06
37	-0.02	-0.04	-0.03	-0.02	0.02	0.06	-0.01	-0.02	0.01	-0.03
38	-0.02	-0.02	-0.04	-0.03	0.02	0.06	-0.03	-0.05	-0.06	-0.09

## Individual Leaf FWHM (mm)

Leaf Pair	J1	J2	J3	J4	J5	J6	J7	J8	J9	J10
23	2.58	2.42	2.43	2.41	2.46	2.41	2.30	2.27	2.46	2.21
24	2.18	2.19	2.19	2.22	2.21	2.16	2.17	2.16	2.15	2.06
25	2.21	2.20	2.24	2.25	2.22	2.18	2.19	2.17	2.19	2.06
26	2.22	2.22	2.22	2.26	2.21	2.19	2.21	2.19	2.18	2.08
27	2.16	2.14	2.18	2.23	2.23	2.19	2.19	2.18	2.17	2.09
28	2.21	2.19	2.20	2.20	2.22	2.18	2.18	2.18	2.18	2.11
29	2.12	2.14	2.15	2.19	2.18	2.18	2.20	2.16	2.14	2.07
30	2.15	2.15	2.18	2.21	2.19	2.21	2.16	2.14	2.11	2.06
31	2.19	2.20	2.20	2.22	2.24	2.21	2.22	2.18	2.19	2.15
32	2.21	2.19	2.18	2.18	2.16	2.16	2.17	2.14	2.14	2.02
33	2.13	2.17	2.18	2.21	2.18	2.15	2.19	2.16	2.13	2.05
34	2.18	2.18	2.19	2.17	2.18	2.14	2.15	2.13	2.13	2.01
35	2.21	2.23	2.22	2.25	2.23	2.22	2.20	2.20	2.20	2.08
36	2.22	2.22	2.24	2.23	2.17	2.16	2.19	2.13	2.16	2.04
37	2.19	2.20	2.20	2.23	2.17	2.17	2.17	2.16	2.11	2.03
38	2.17	2.18	2.19	2.20	2.18	2.17	2.20	2.14	2.12	2.02



## Failed Leaf Report

**No Leaf Failures**