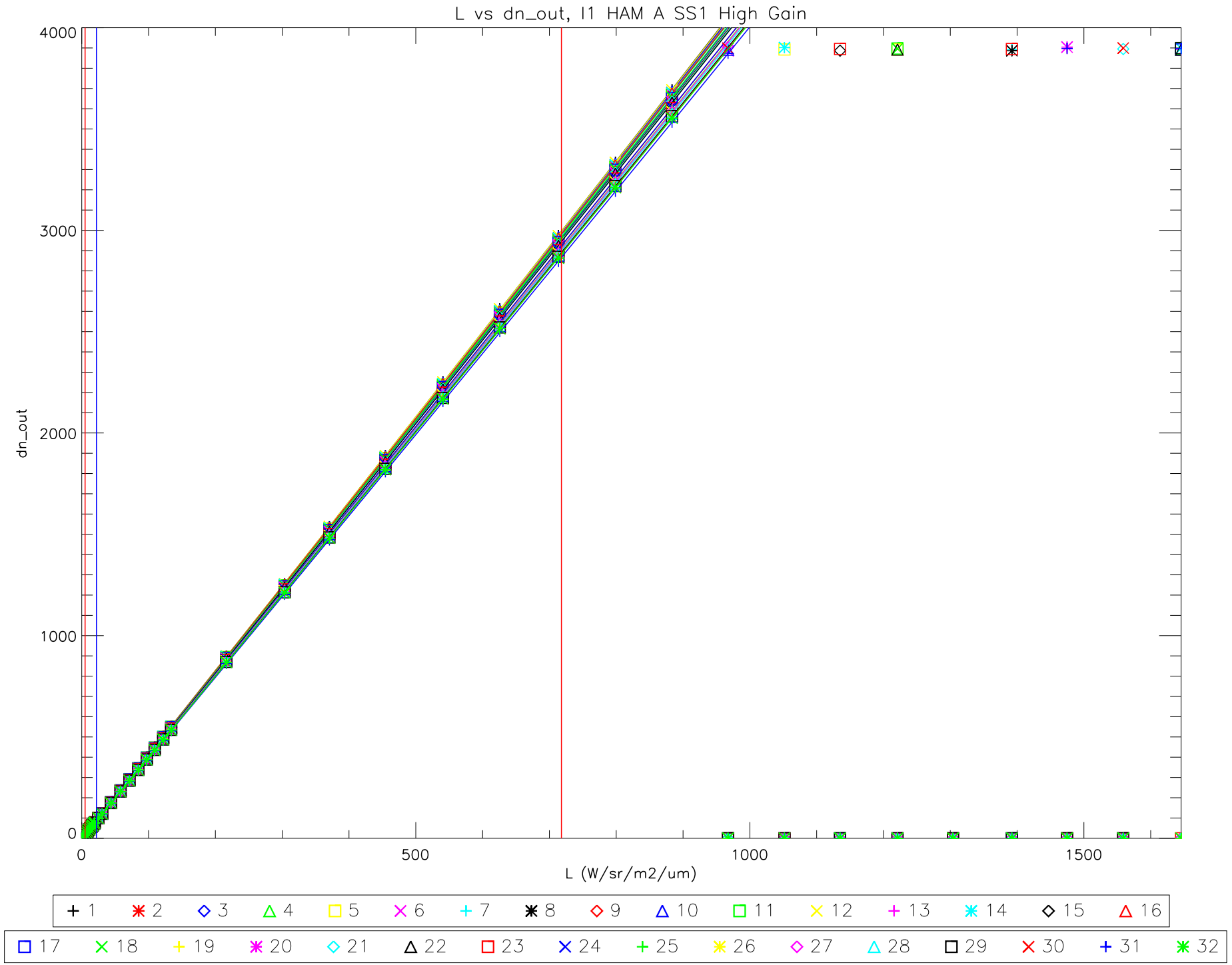
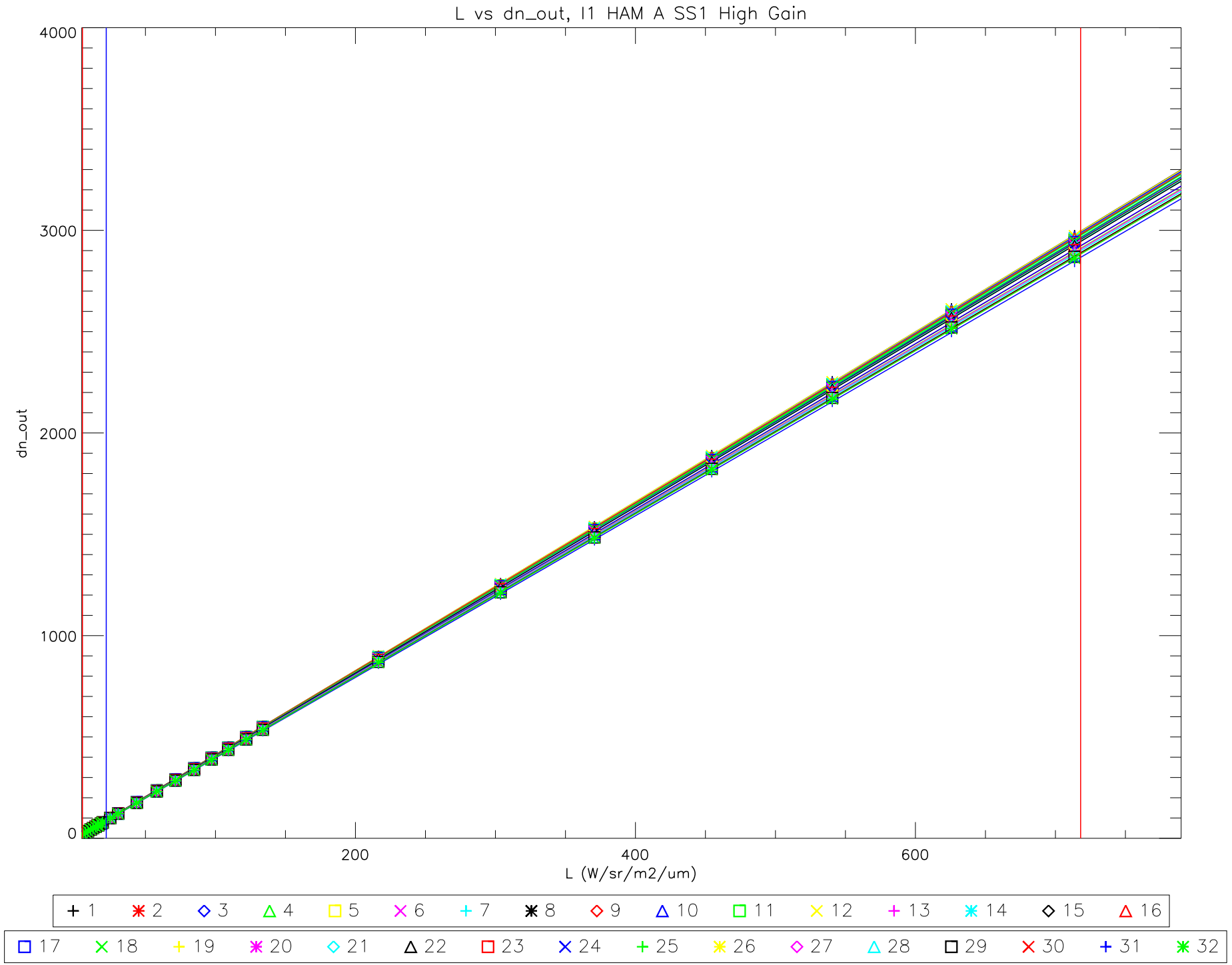

L vs dn_out, I1 HAM A SS1 High Gain
dn_out
L (W/sr/m2/um)
0
1000
2000
3000
4000
0
500
1000
1500
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32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dn_out
4000
3000
2000
1000
0
200
400
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L (W/sr/m2/um)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
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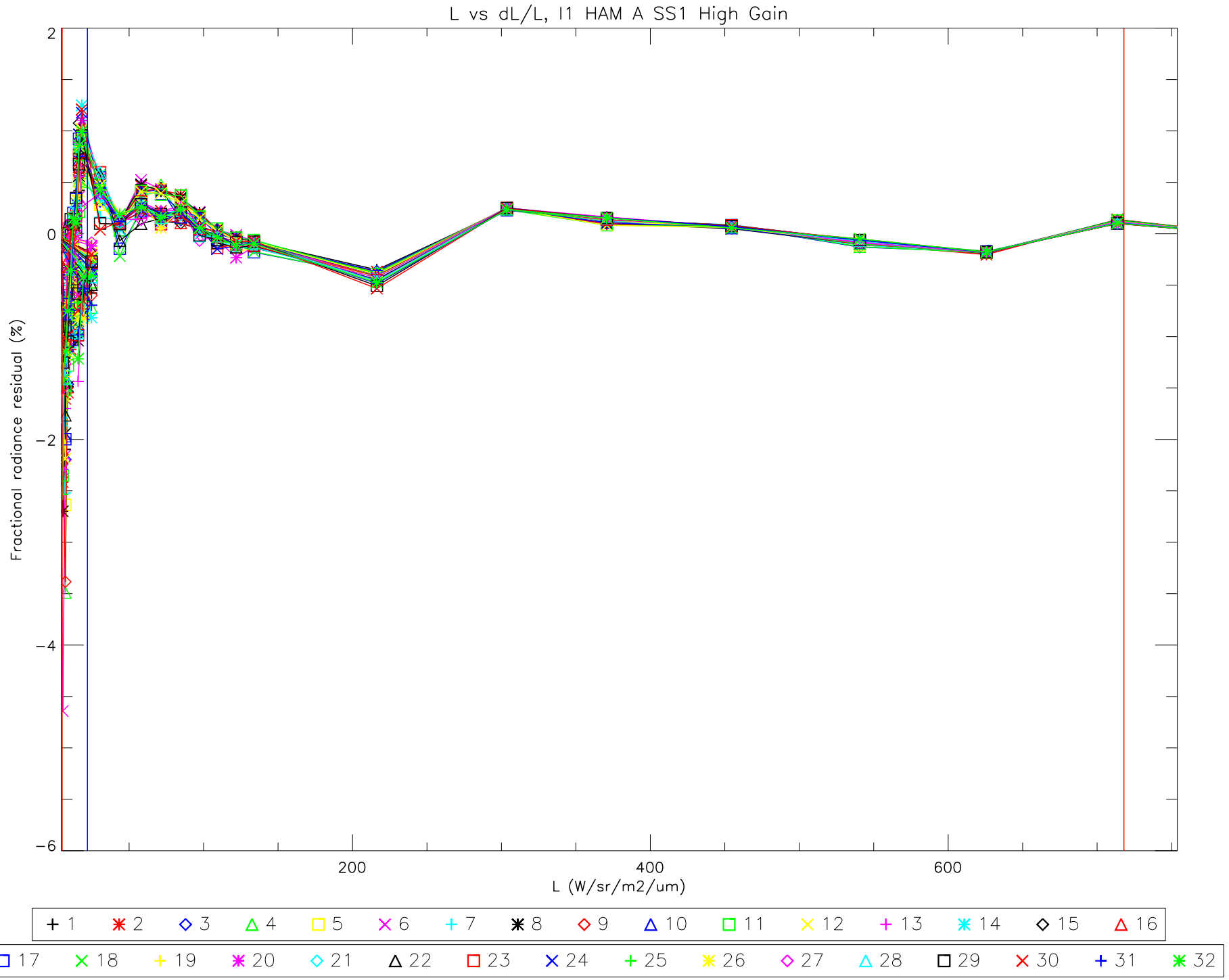
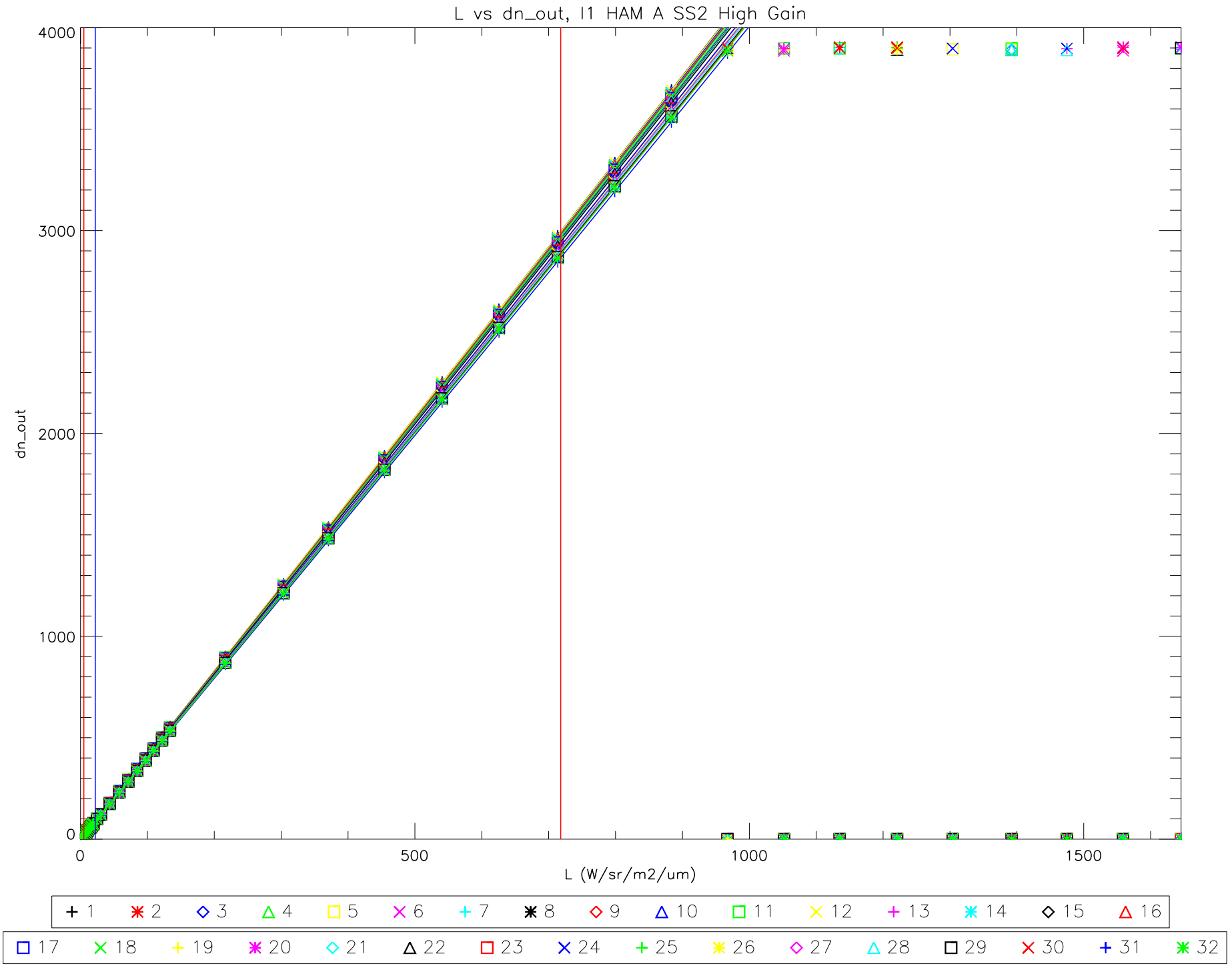

L vs dL/L, I1 HAM A SS1 High Gain
Fractional radiance residual (%)
2
0
−2
−4
−6
200
400
600
L (W/sr/m2/um)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32


L vs dn_out, I1 HAM A SS2 High Gain
dn_out
L (W/sr/m2/um)
0
1000
2000
3000
4000
0
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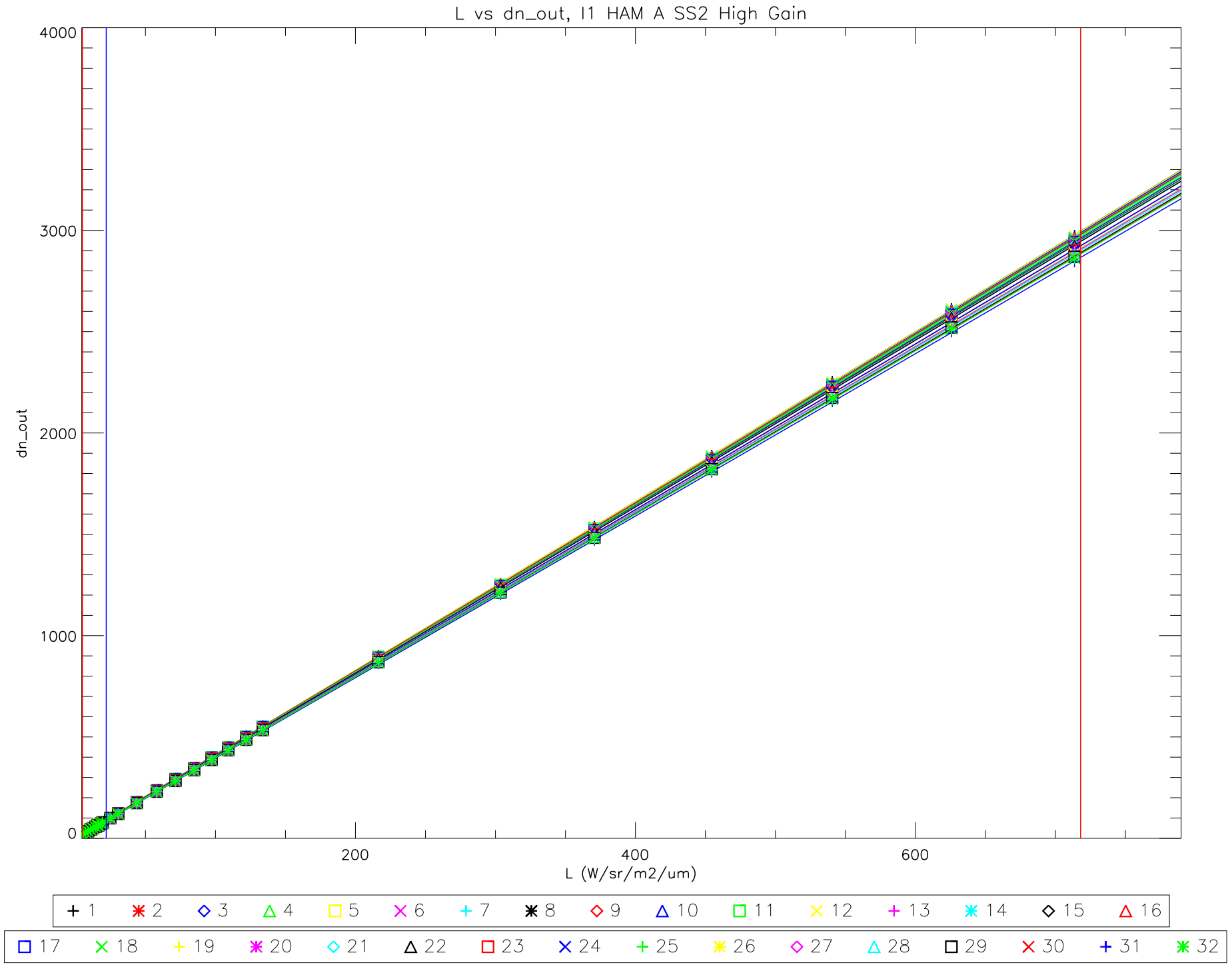
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32


L vs dn_out, I1 HAM A SS2 High Gain
dn_out
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L (W/sr/m2/um)
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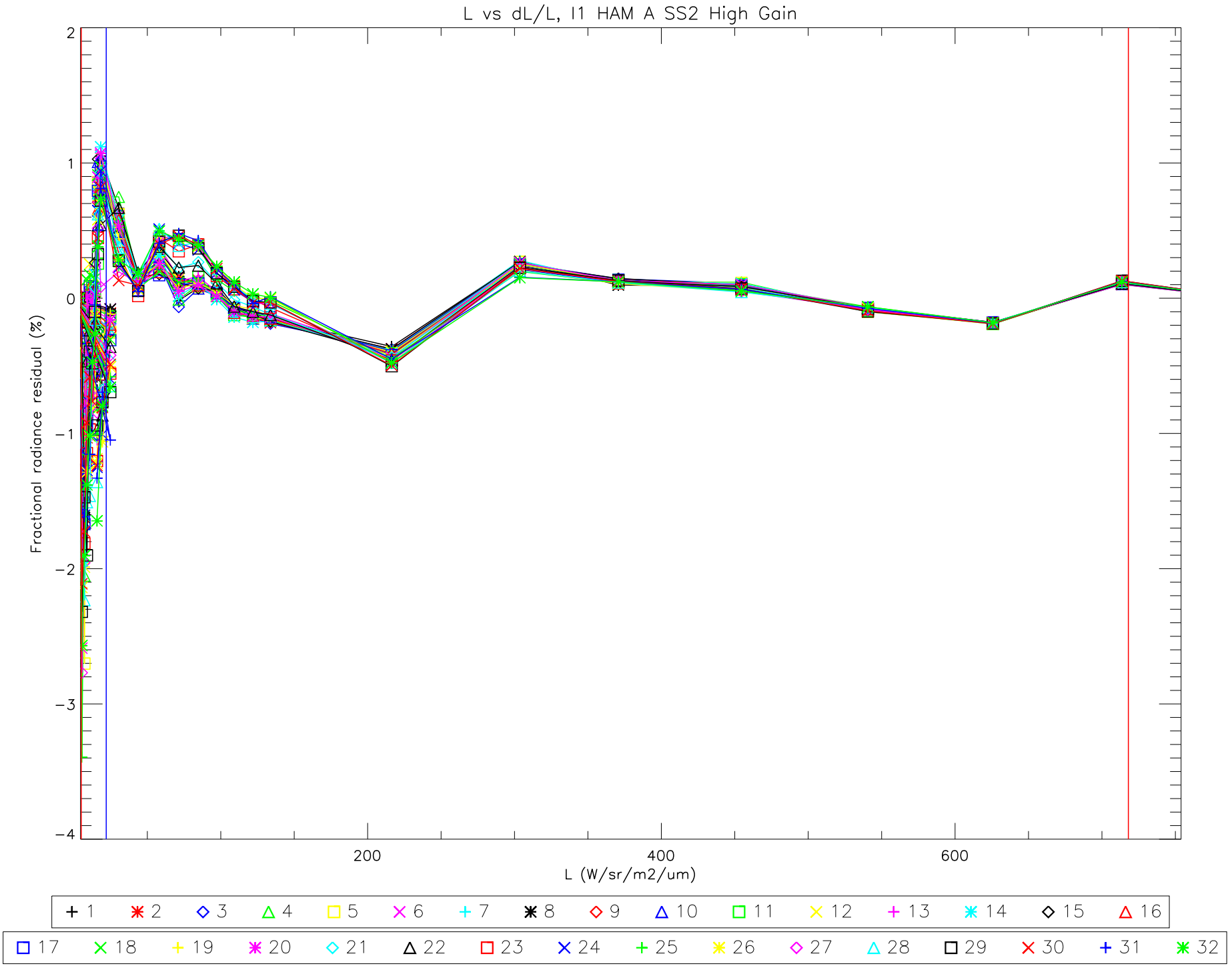
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Fractional radiance residual (%)
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1
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−1
−2
−3
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400
600
L (W/sr/m2/um)
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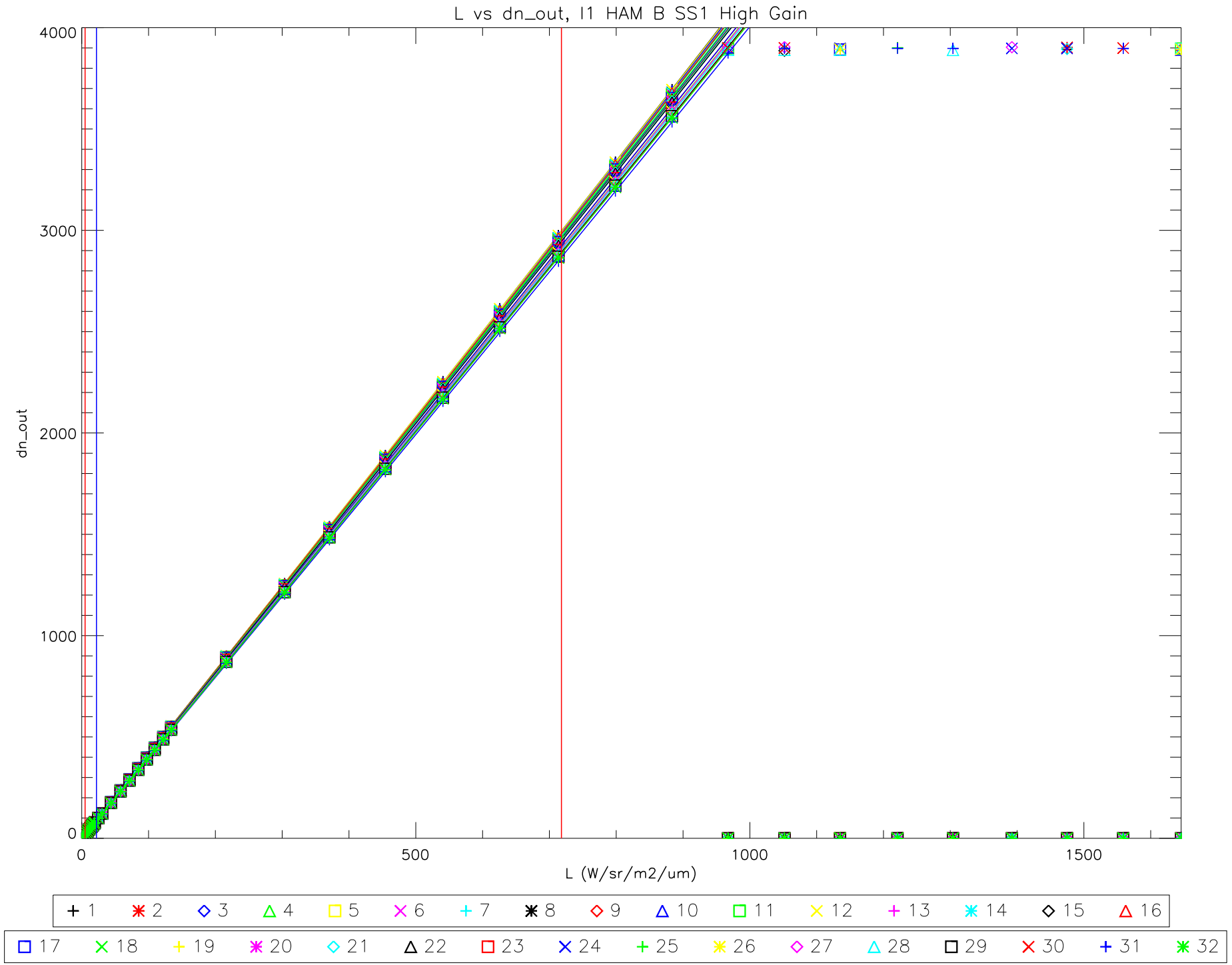
L vs dn_out, I1 HAM B SS1 High Gain
dn_out
4000
3000
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1000
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0
500
1000
1500
L (W/sr/m2/um)
1
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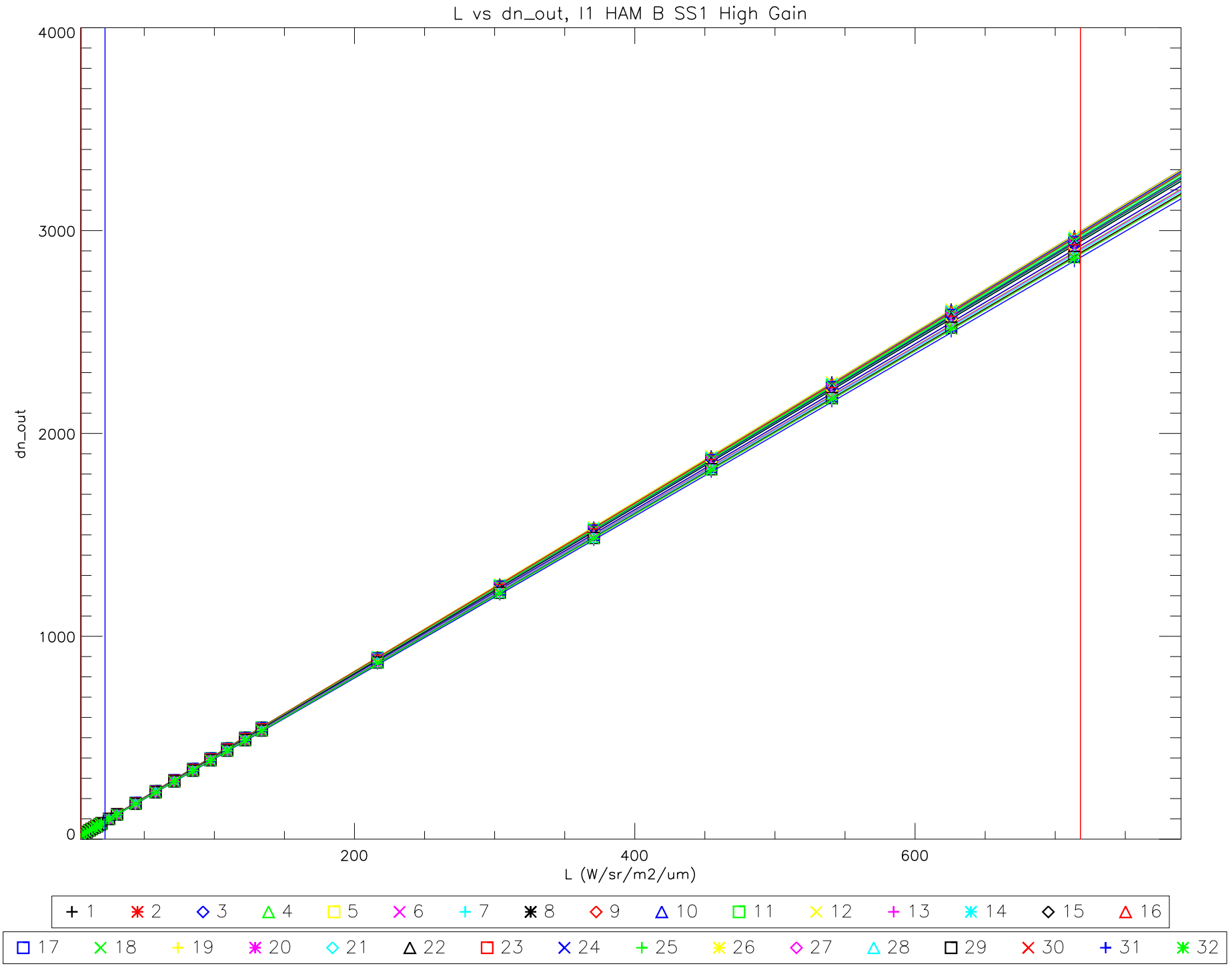
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L (W/sr/m2/um)
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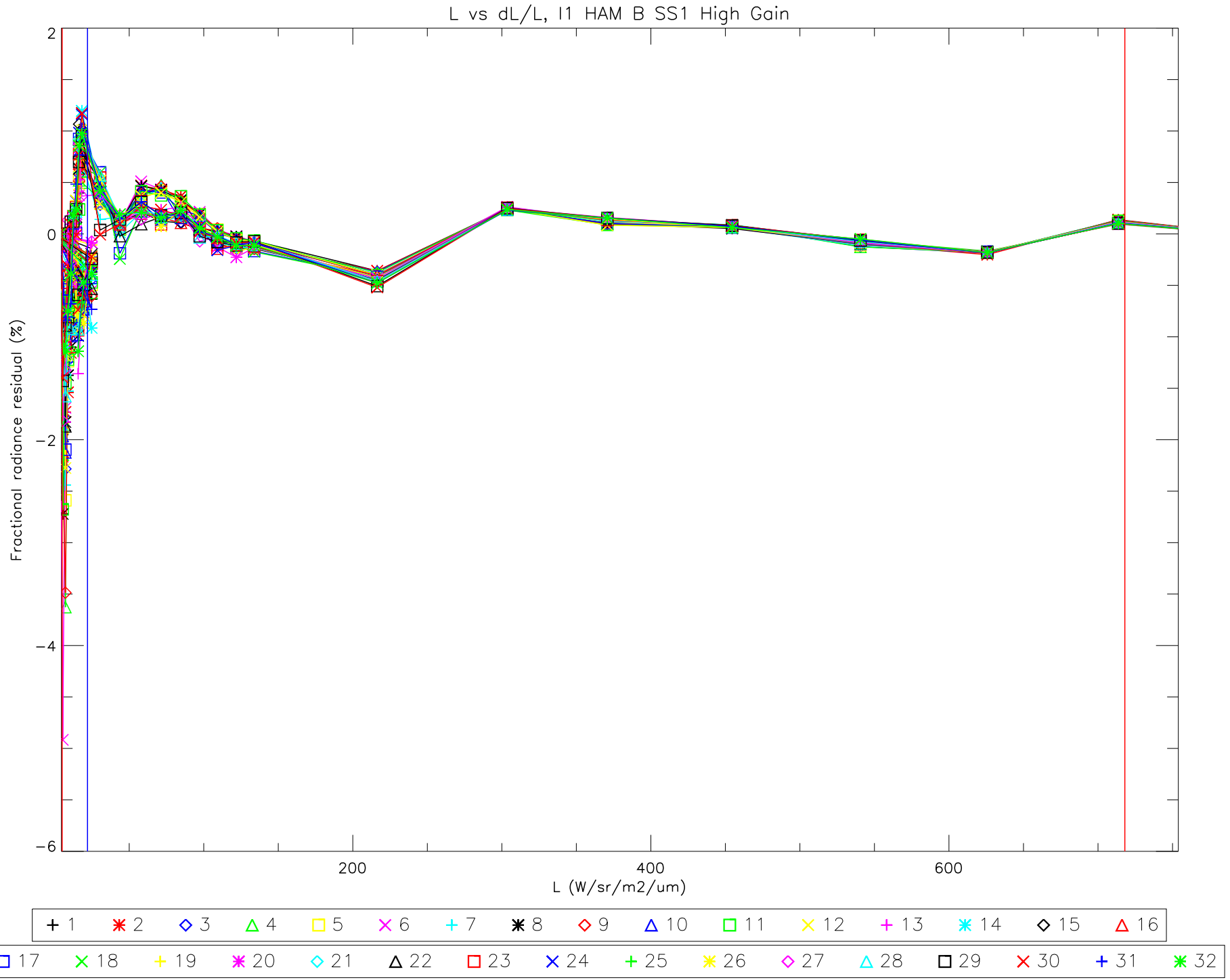
L vs dL/L, I1 HAM B SS1 High Gain
Fractional radiance residual (%)
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−2
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L (W/sr/m2/um)
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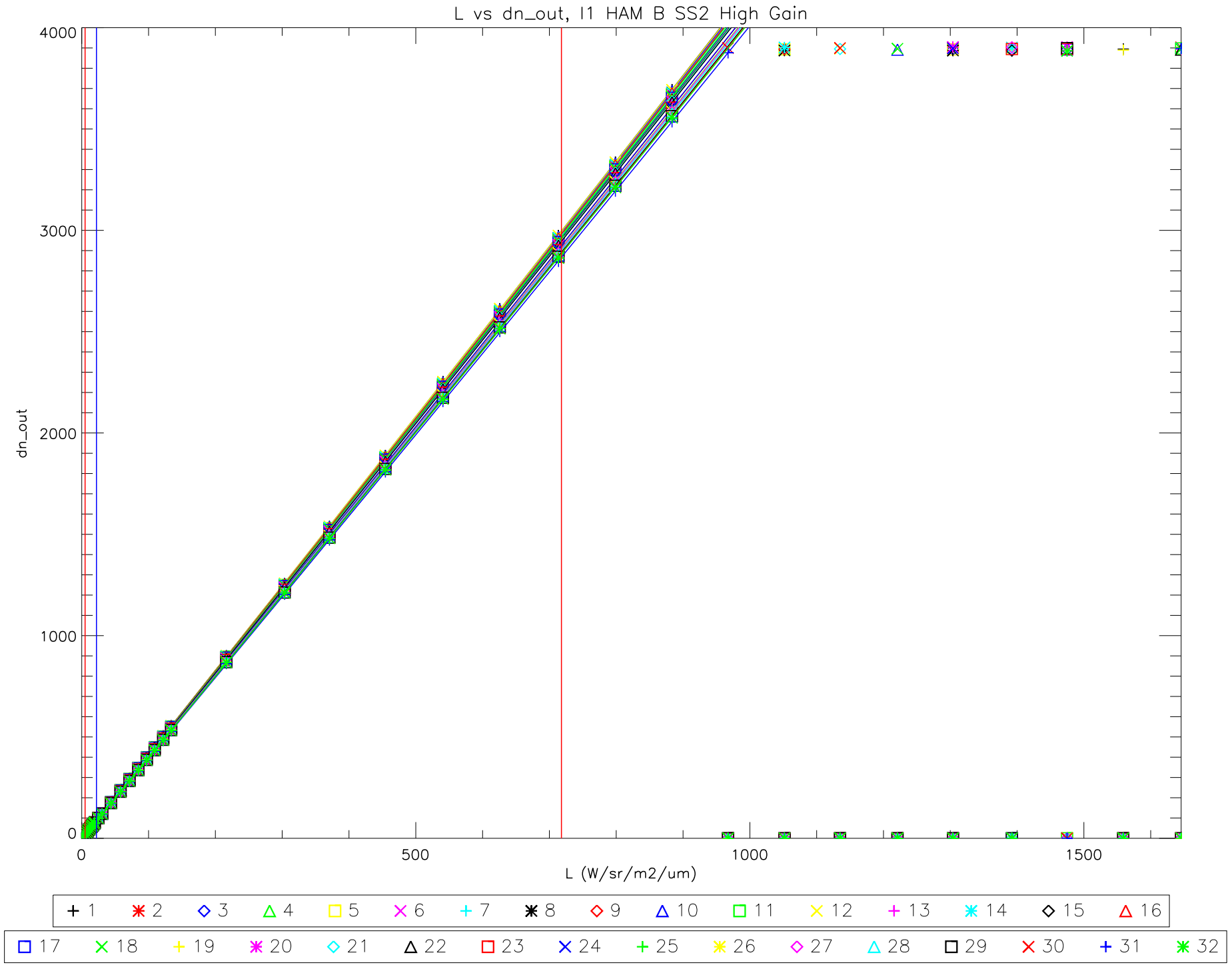
L vs dn_out, I1 HAM B SS2 High Gain
dn_out
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3000
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1000
1500
L (W/sr/m2/um)
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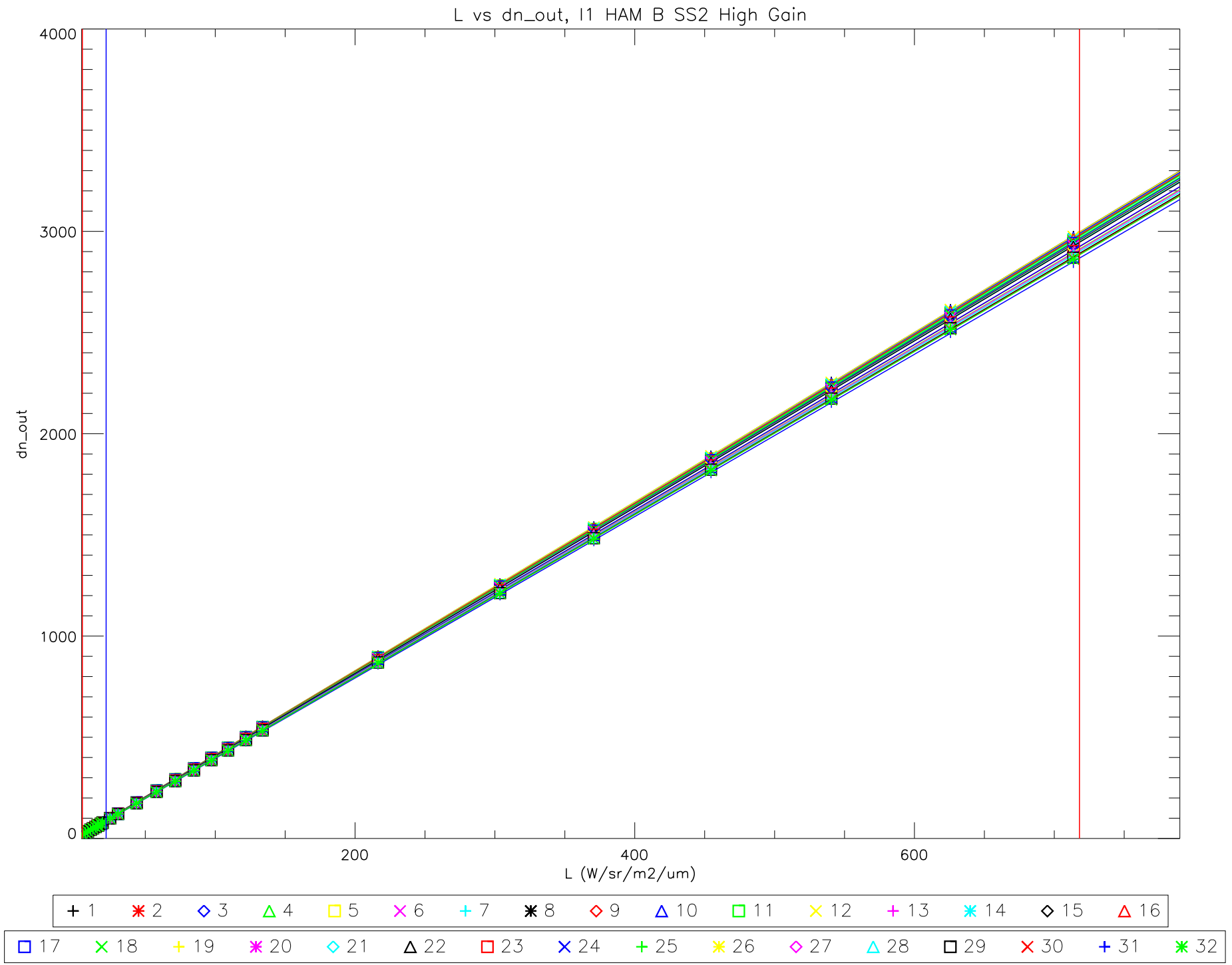
L vs dn_out, I1 HAM B SS2 High Gain
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2000
1000
0
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L (W/sr/m2/um)
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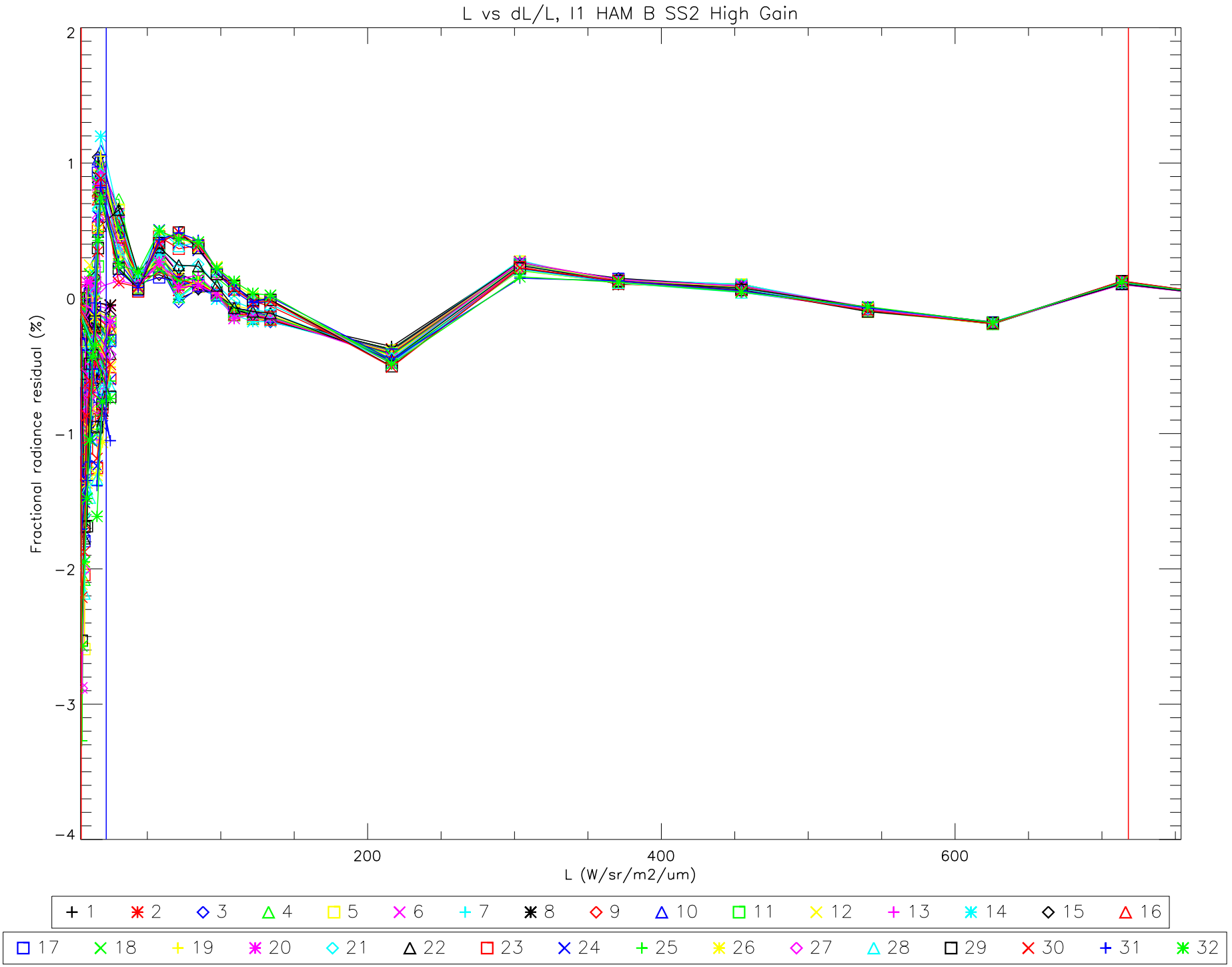
L vs dL/L, I1 HAM B SS2 High Gain
Fractional radiance residual (%)
2
1
0
−1
−2
−3
−4
200
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L (W/sr/m2/um)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
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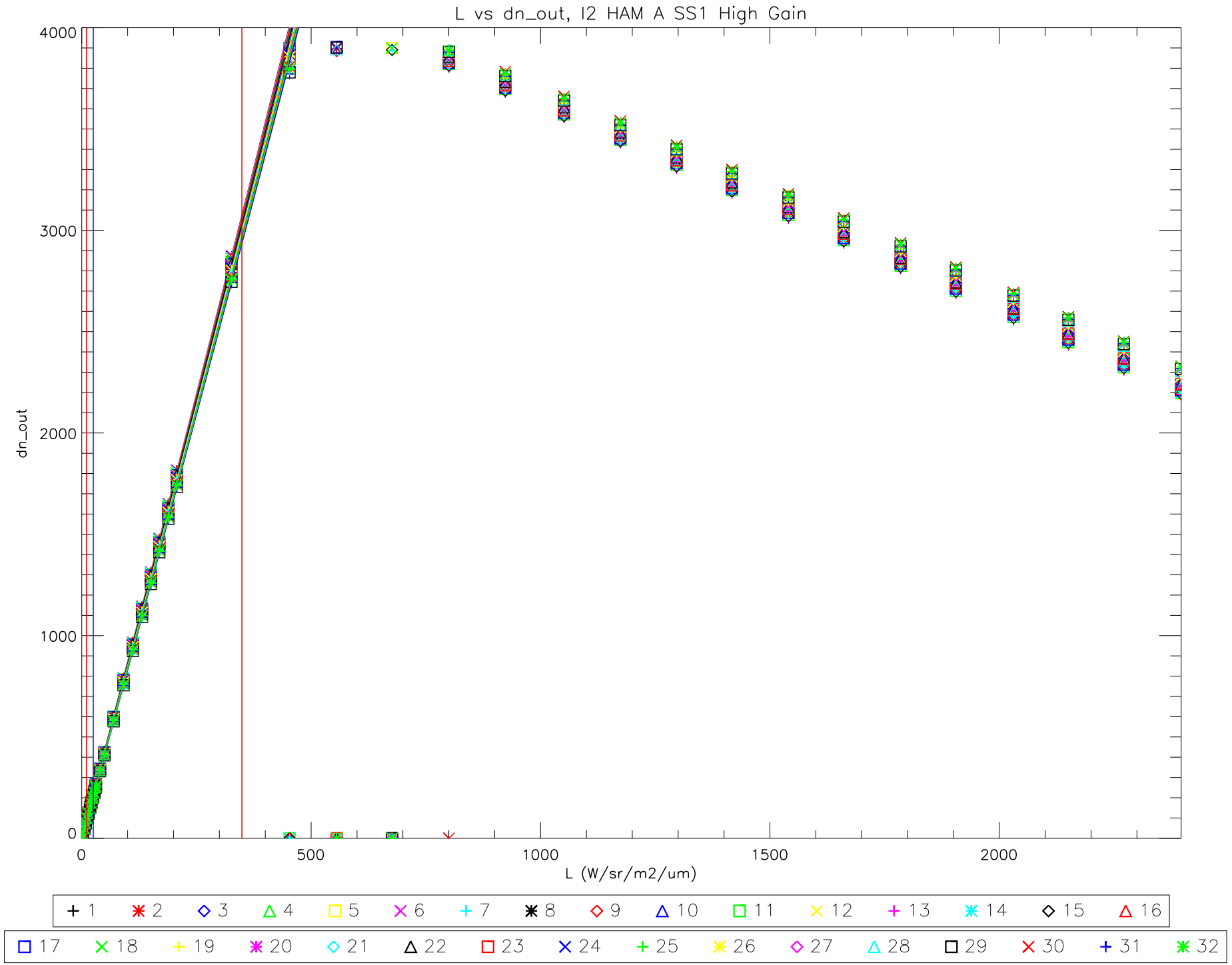
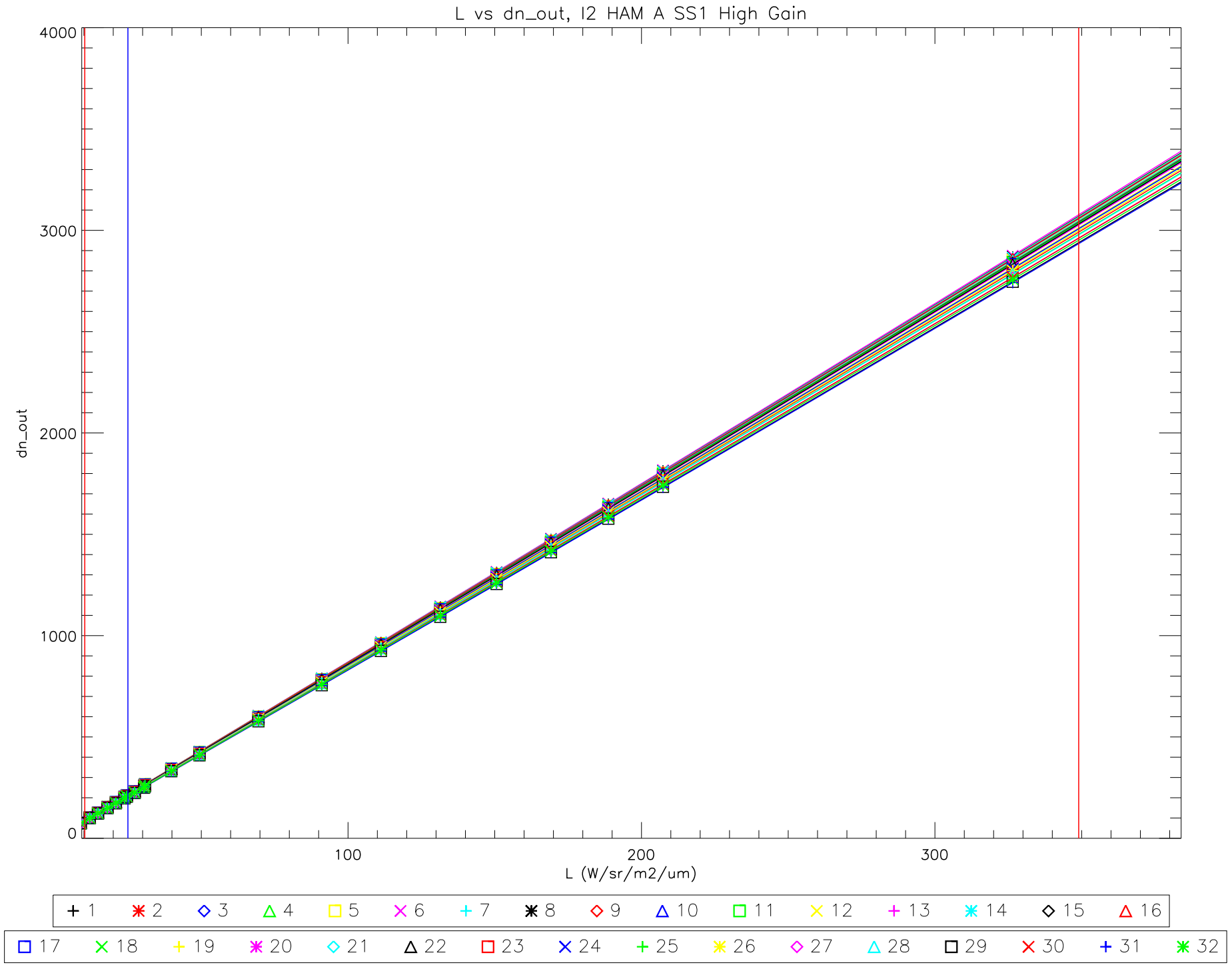

L vs dn_out, I2 HAM A SS1 High Gain
dn_out
L (W/sr/m2/um)
0
1000
2000
3000
4000
0
500
1000
1500
2000
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32


L vs dn_out, I2 HAM A SS1 High Gain
dn_out
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2000
1000
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L (W/sr/m2/um)
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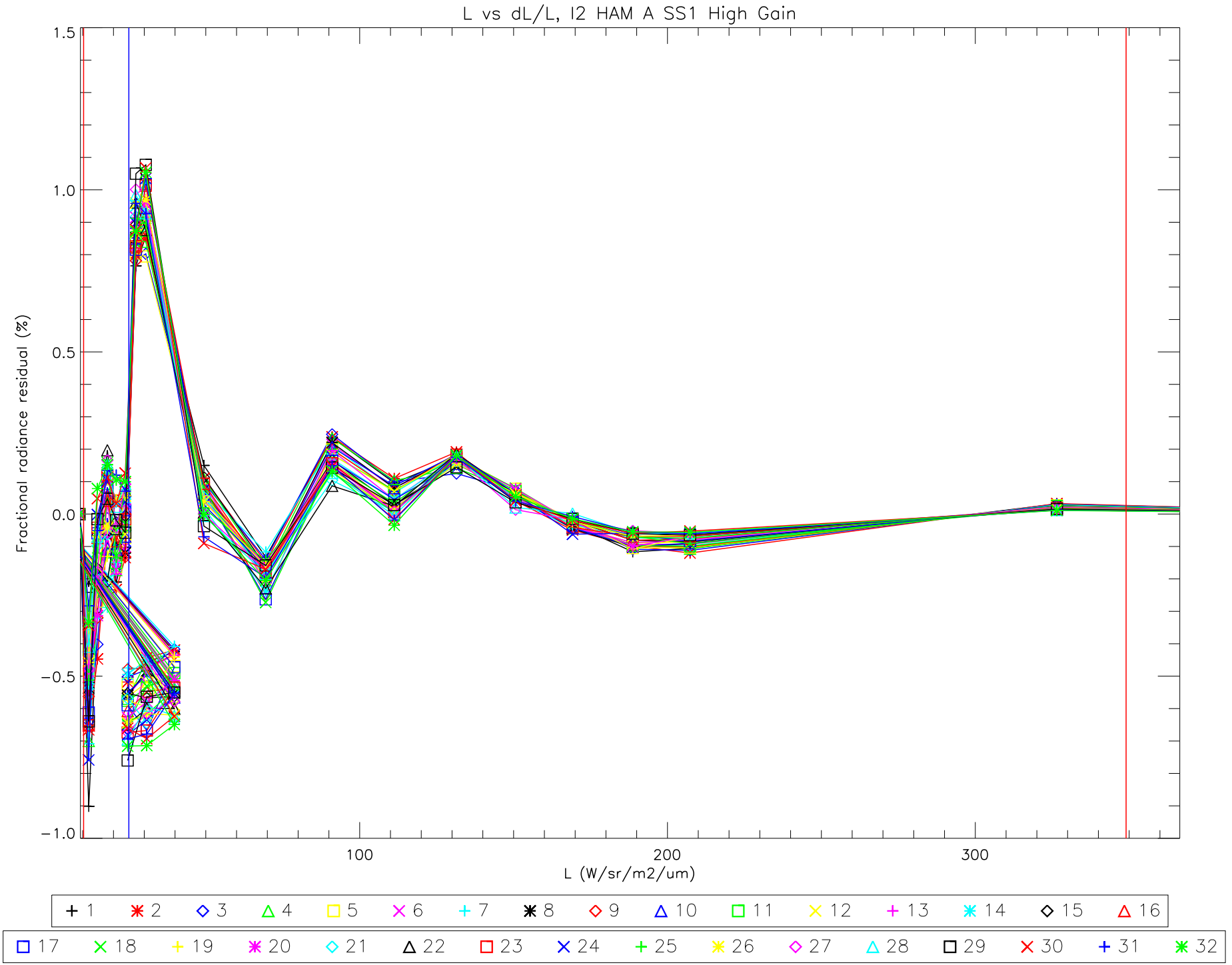
L vs dL/L, I2 HAM A SS1 High Gain
Fractional radiance residual (%)
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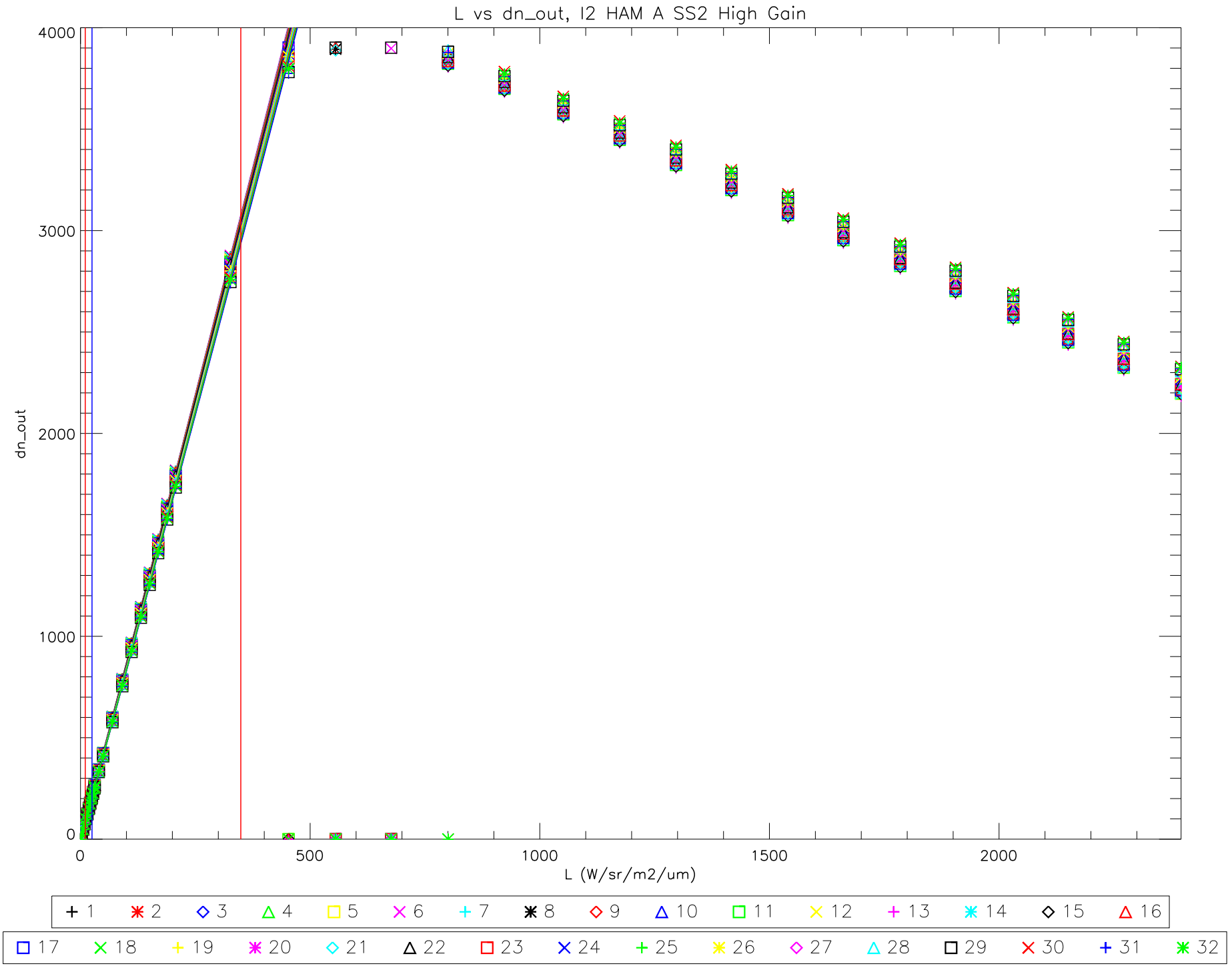
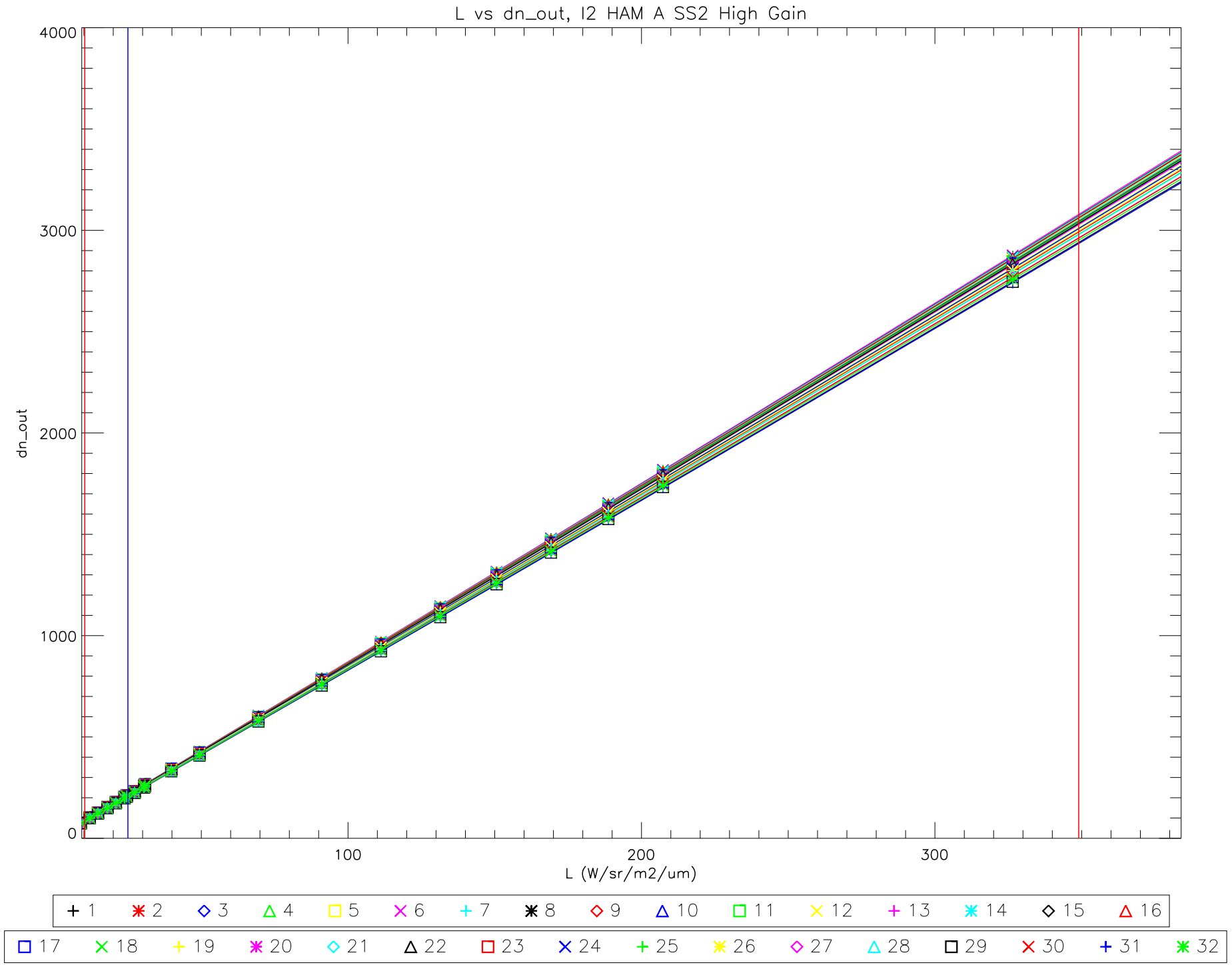
1.0
0.5
0.0
−0.5
−1.0
100
200
300
L (W/sr/m2/um)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32


L vs dn_out, I2 HAM A SS2 High Gain
dn_out
L (W/sr/m2/um)
0
1000
2000
3000
4000
0
500
1000
1500
2000
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32


L vs dn_out, I2 HAM A SS2 High Gain
4000
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2000
1000
0
dn_out
100
200
300
L (W/sr/m2/um)
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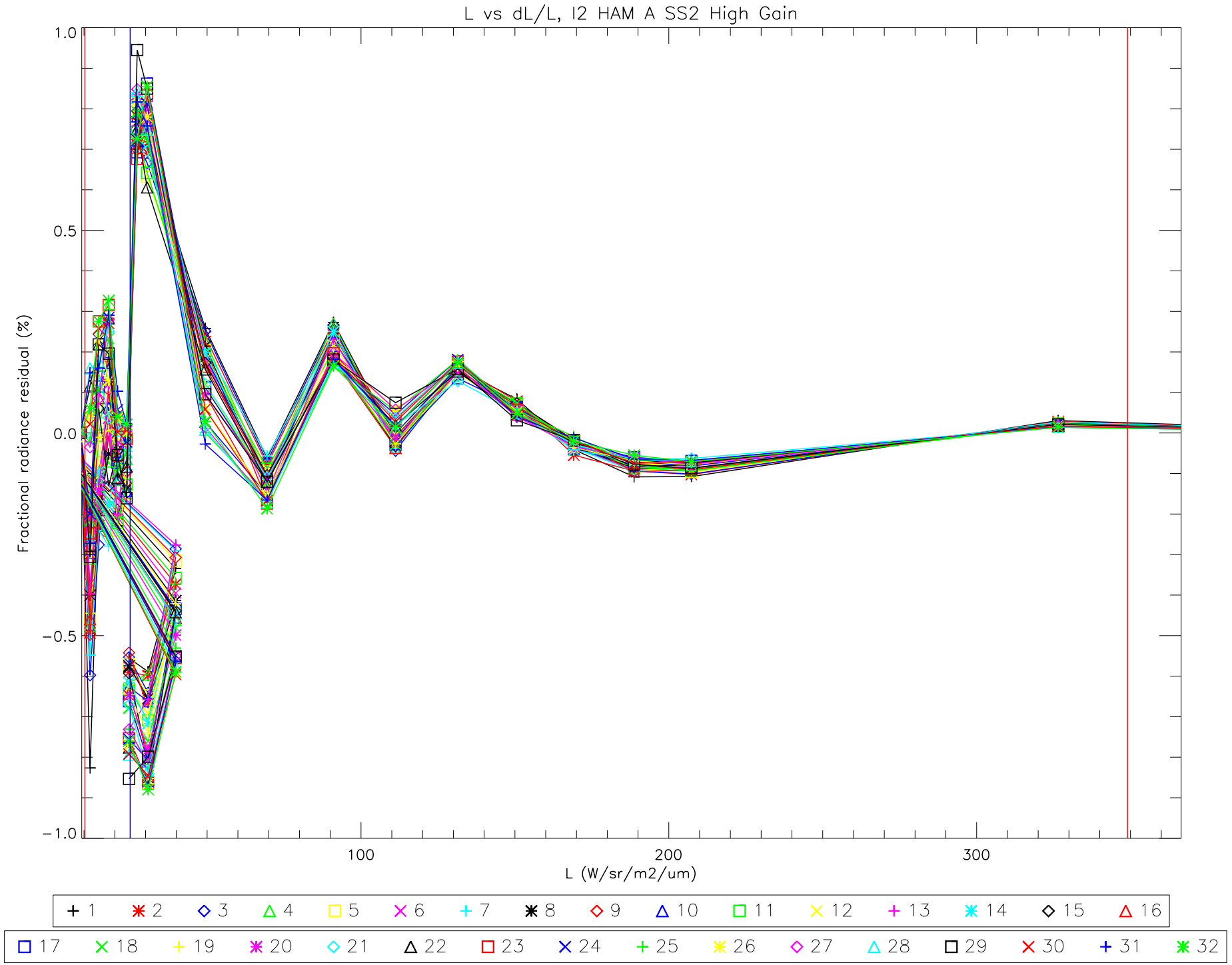
L vs dL/L, I2 HAM A SS2 High Gain
Fractional radiance residual (%)
1.0
0.5
0.0
−0.5
−1.0
100
200
300
L (W/sr/m2/um)
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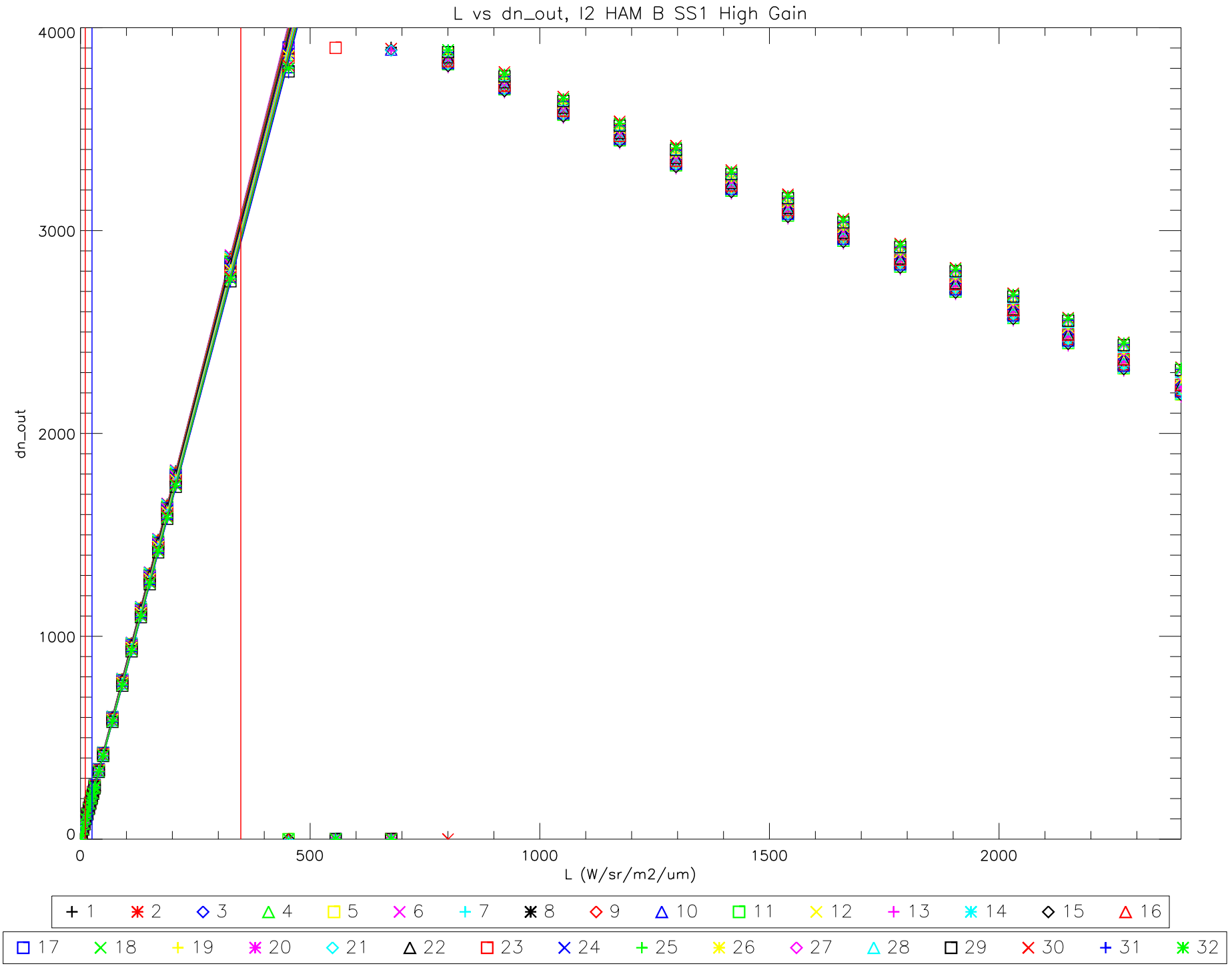
L vs dn_out, I2 HAM B SS1 High Gain
dn_out
L (W/sr/m2/um)
0
1000
2000
3000
4000
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500
1000
1500
2000
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
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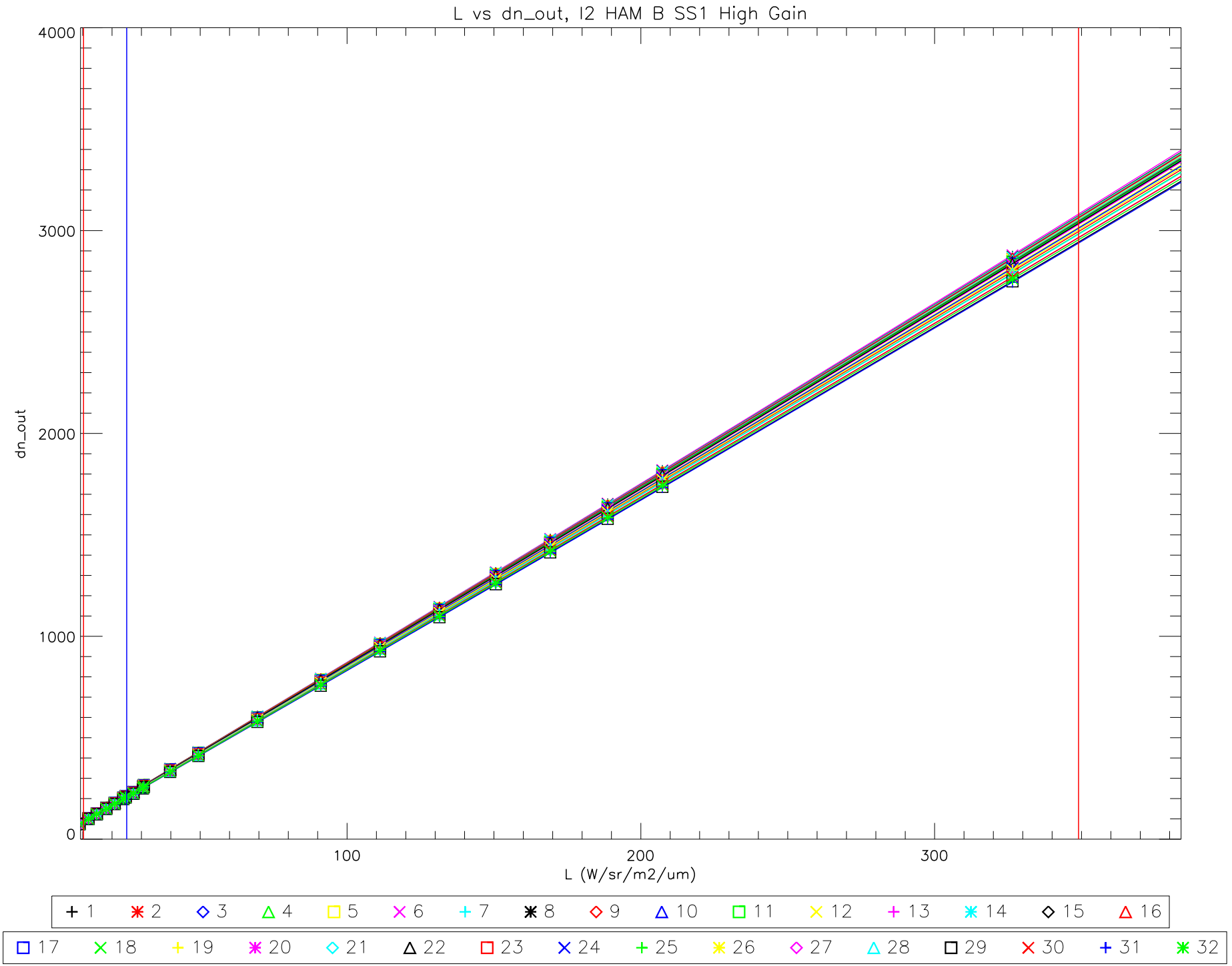
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1000
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L (W/sr/m2/um)
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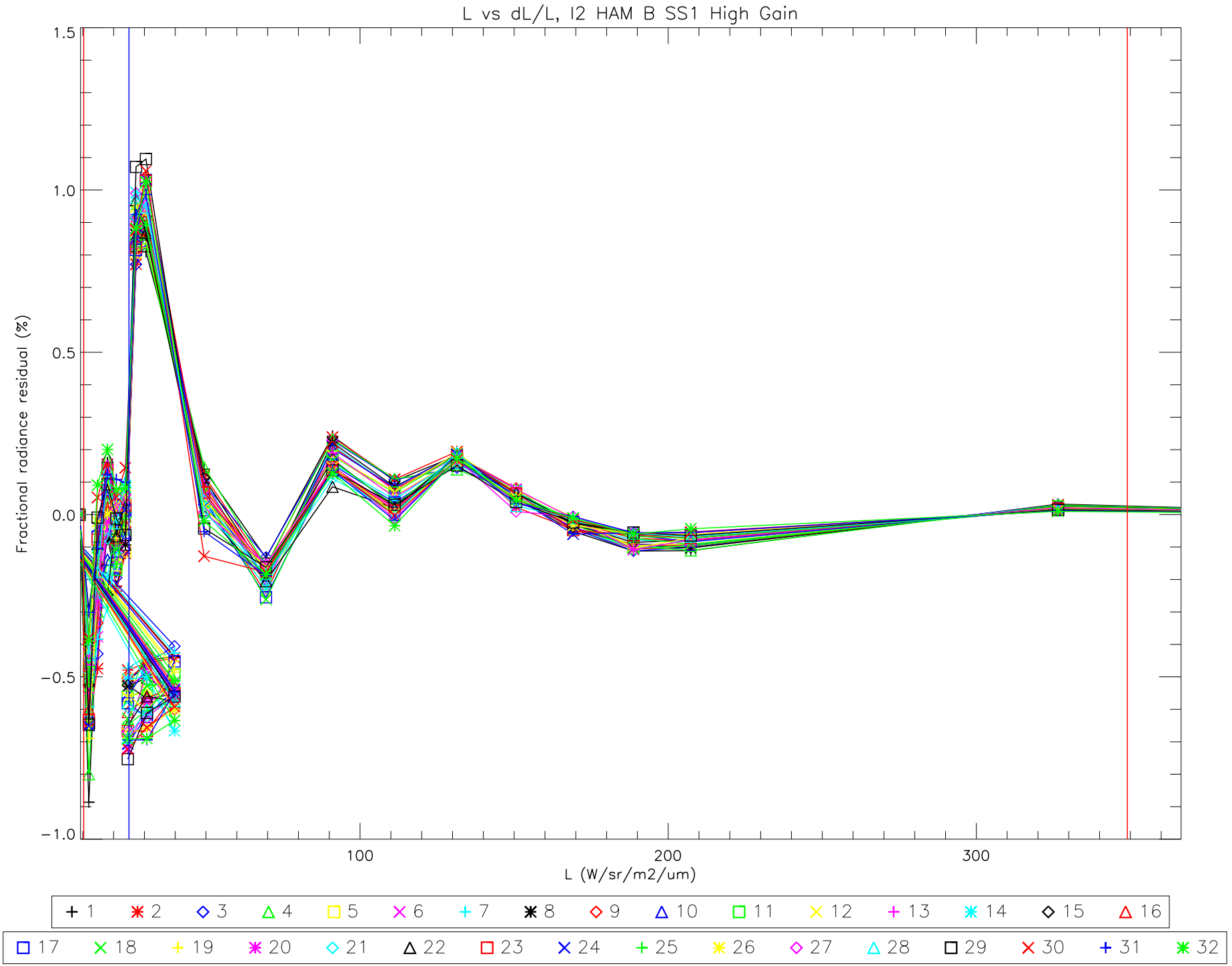
L vs dL/L, I2 HAM B SS1 High Gain
Fractional radiance residual (%)
1.5
1.0
0.5
0.0
−0.5
−1.0
100
200
300
L (W/sr/m2/um)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
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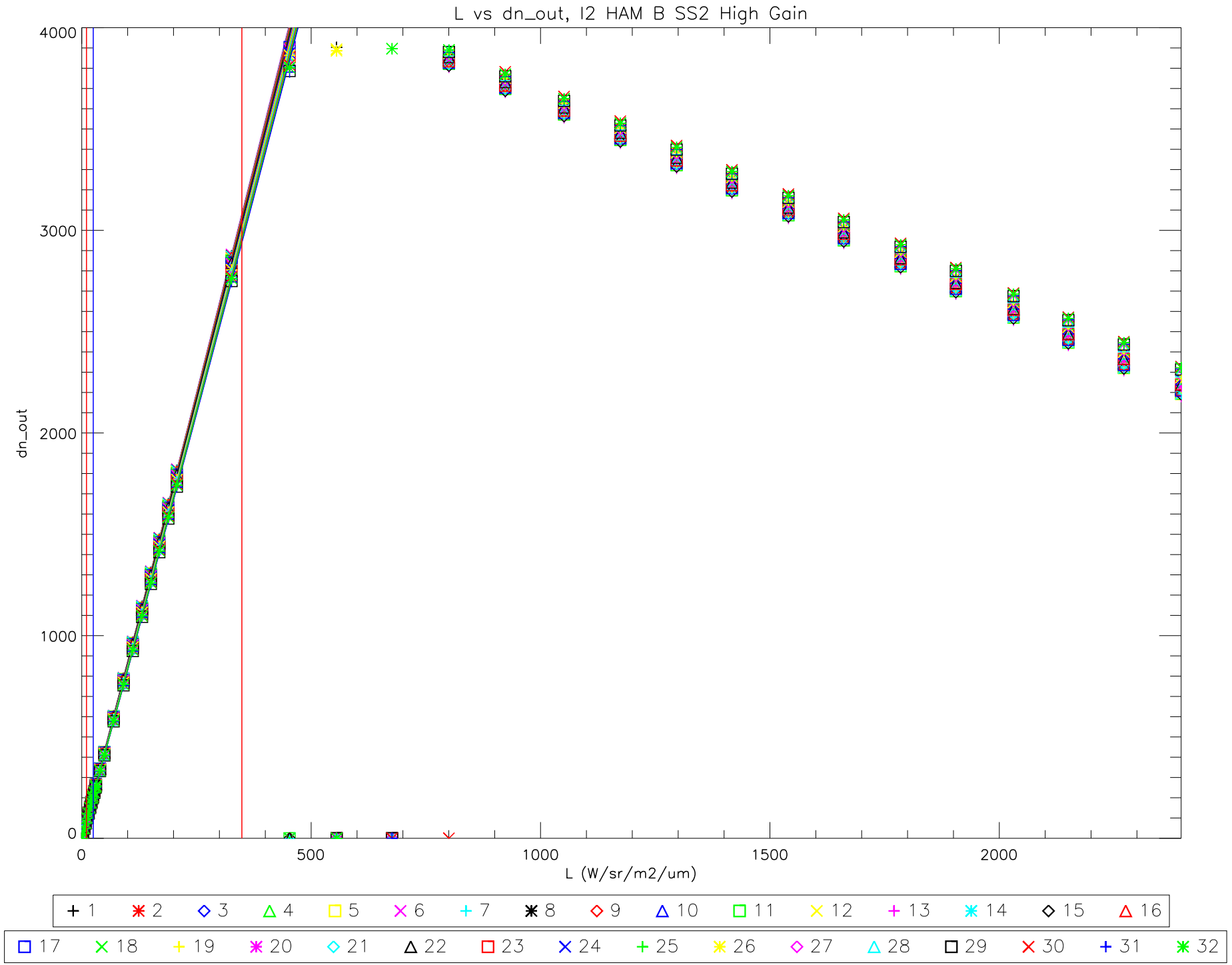
L vs dn_out, I2 HAM B SS2 High Gain
dn_out
L (W/sr/m2/um)
0
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2000
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4000
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1000
1500
2000
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
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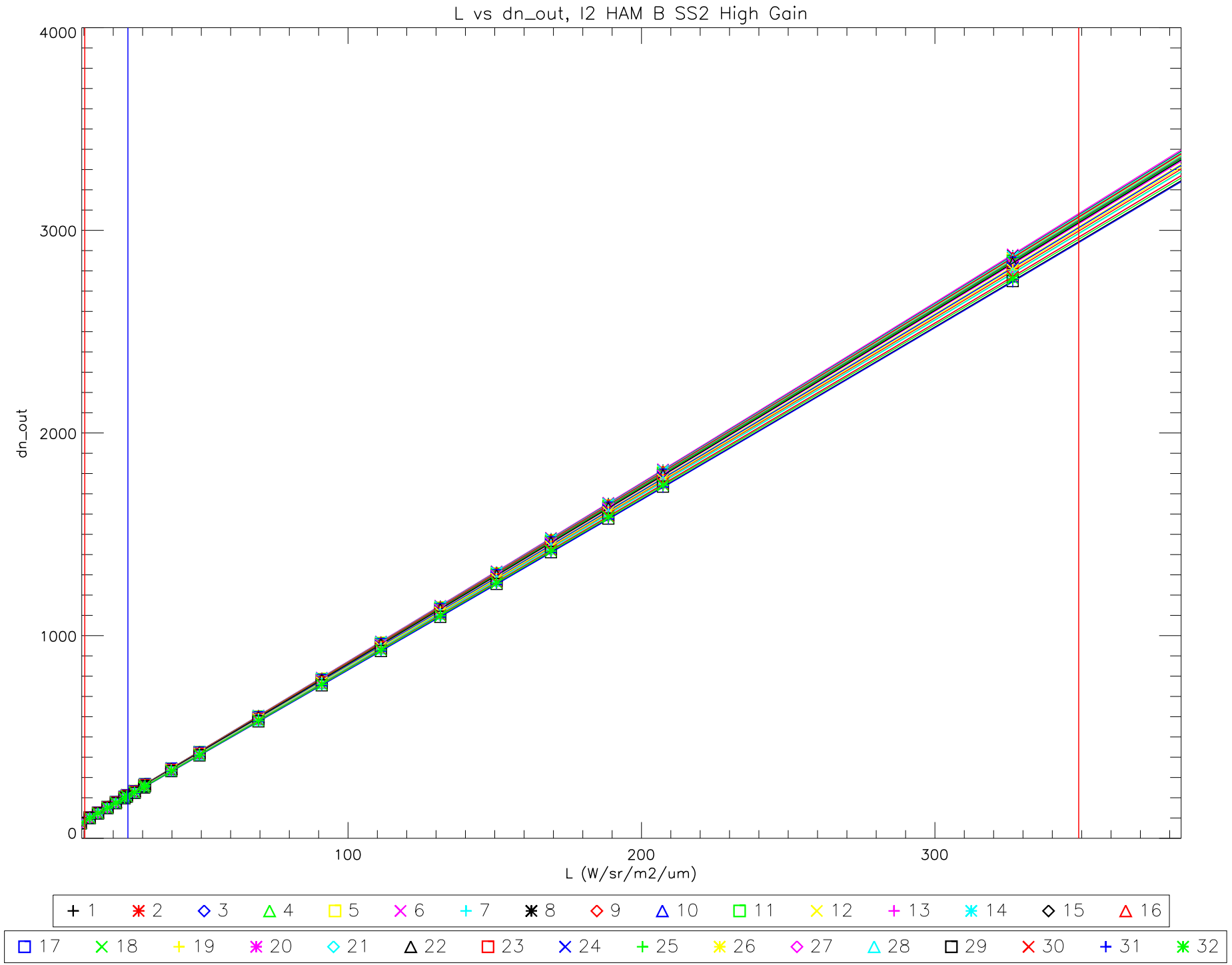
L vs dn_out, I2 HAM B SS2 High Gain
dn_out
4000
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L (W/sr/m2/um)
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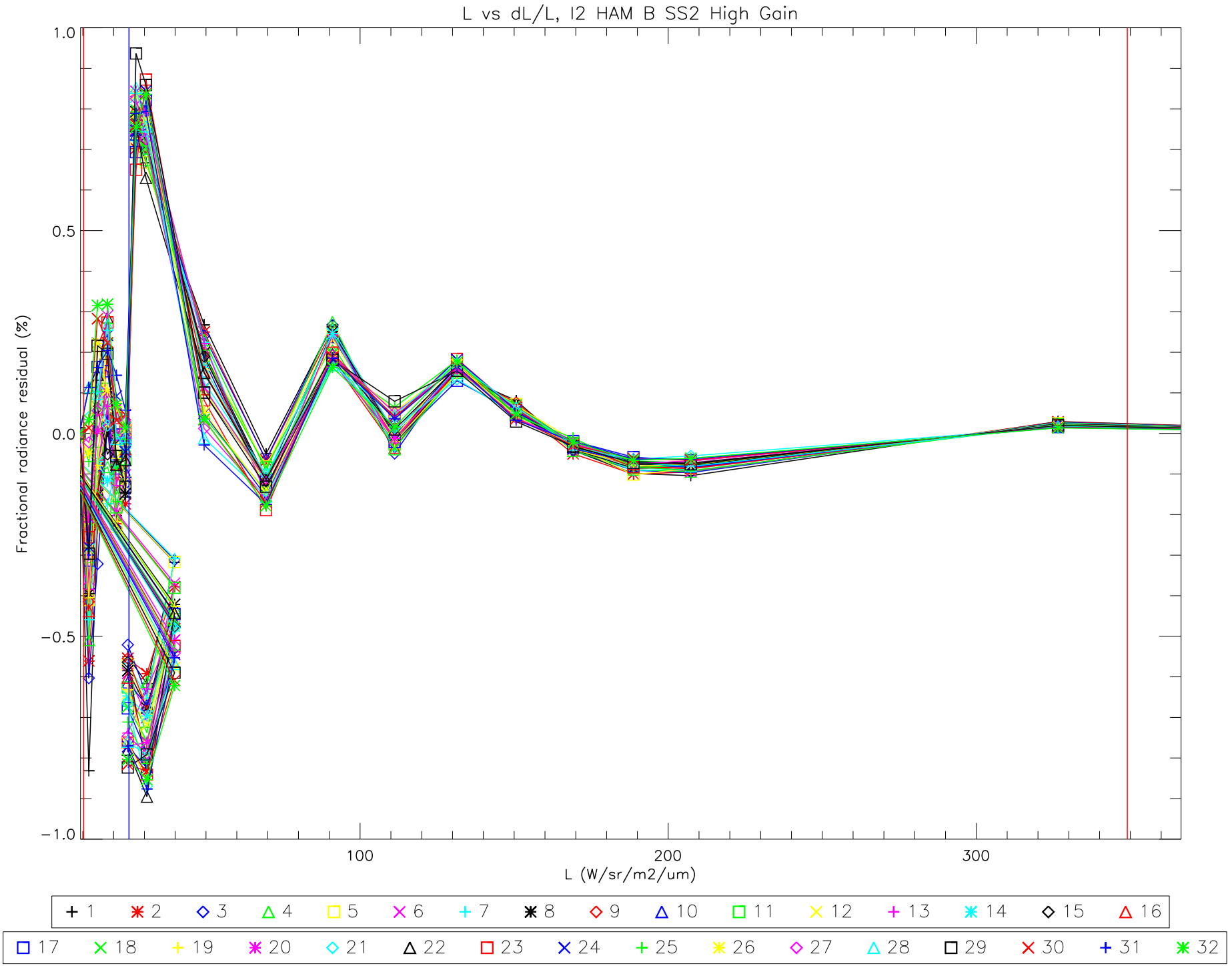
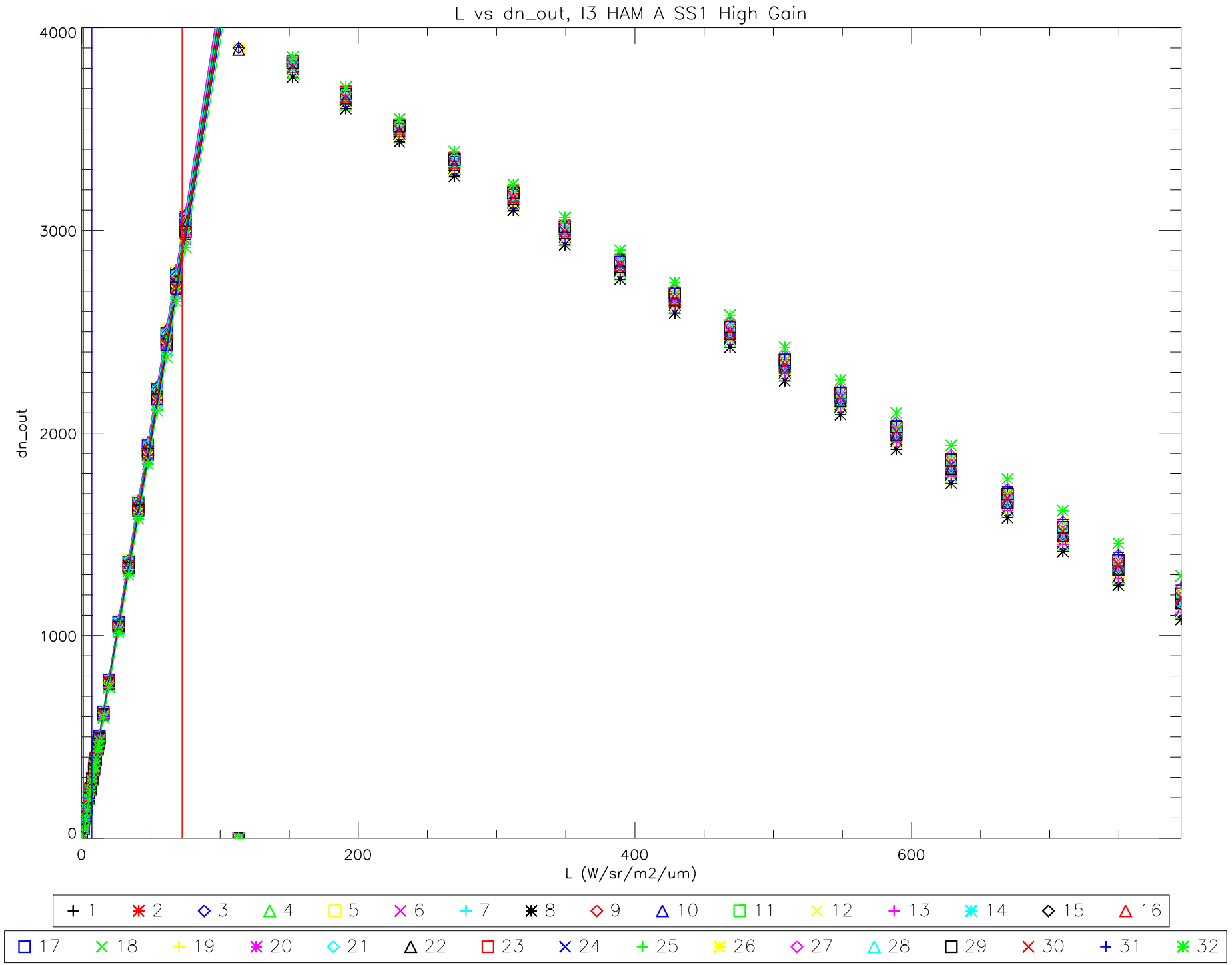
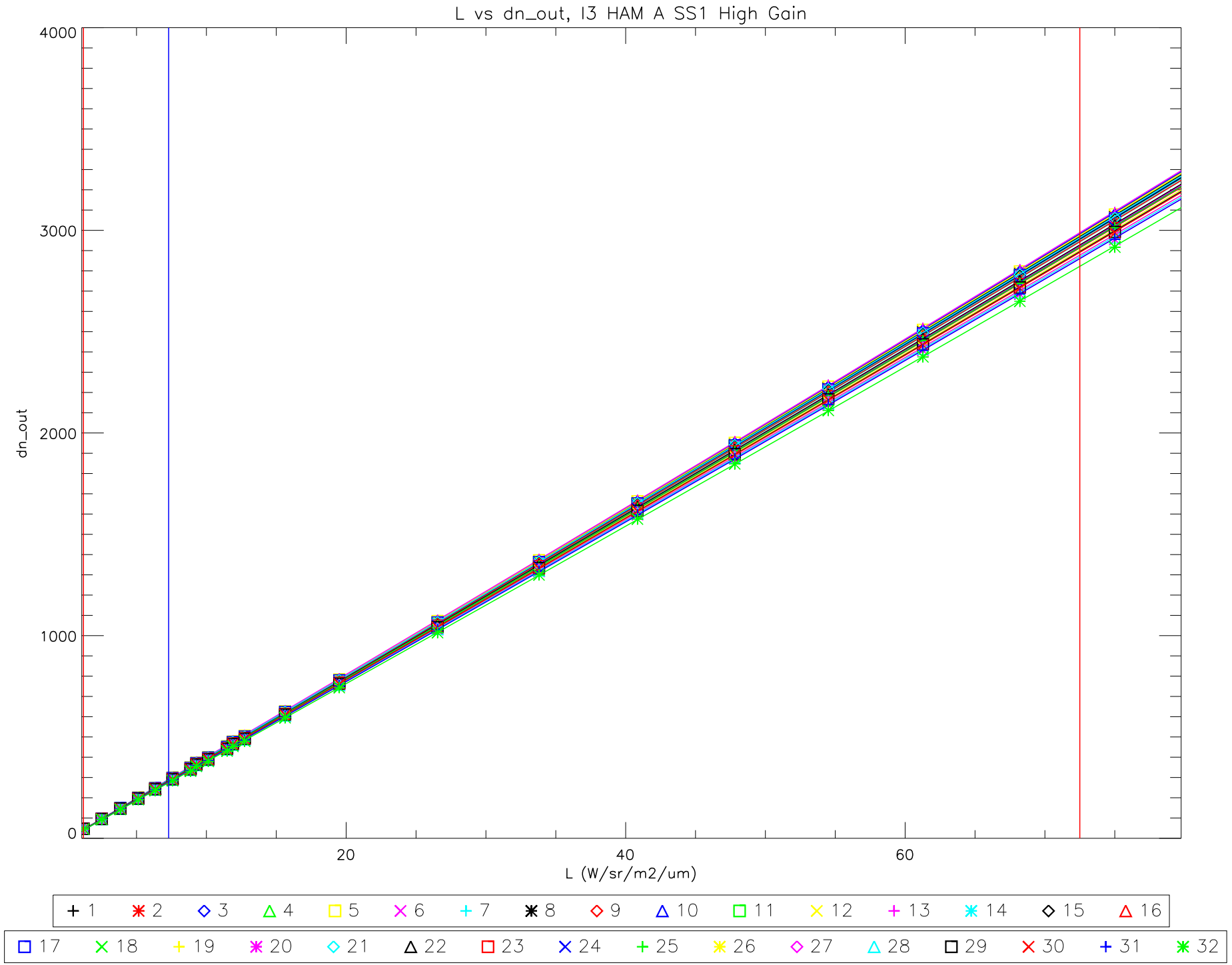

L vs dL/L, I2 HAM B SS2 High Gain
Fractional radiance residual (%)
1.0
0.5
0.0
−0.5
−1.0
100
200
300
L (W/sr/m2/um)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32


L vs dn_out, I3 HAM A SS1 High Gain
dn_out
L (W/sr/m2/um)
0
1000
2000
3000
4000
0
200
400
600
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32


L vs dn_out, I3 HAM A SS1 High Gain
dn_out
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L (W/sr/m2/um)
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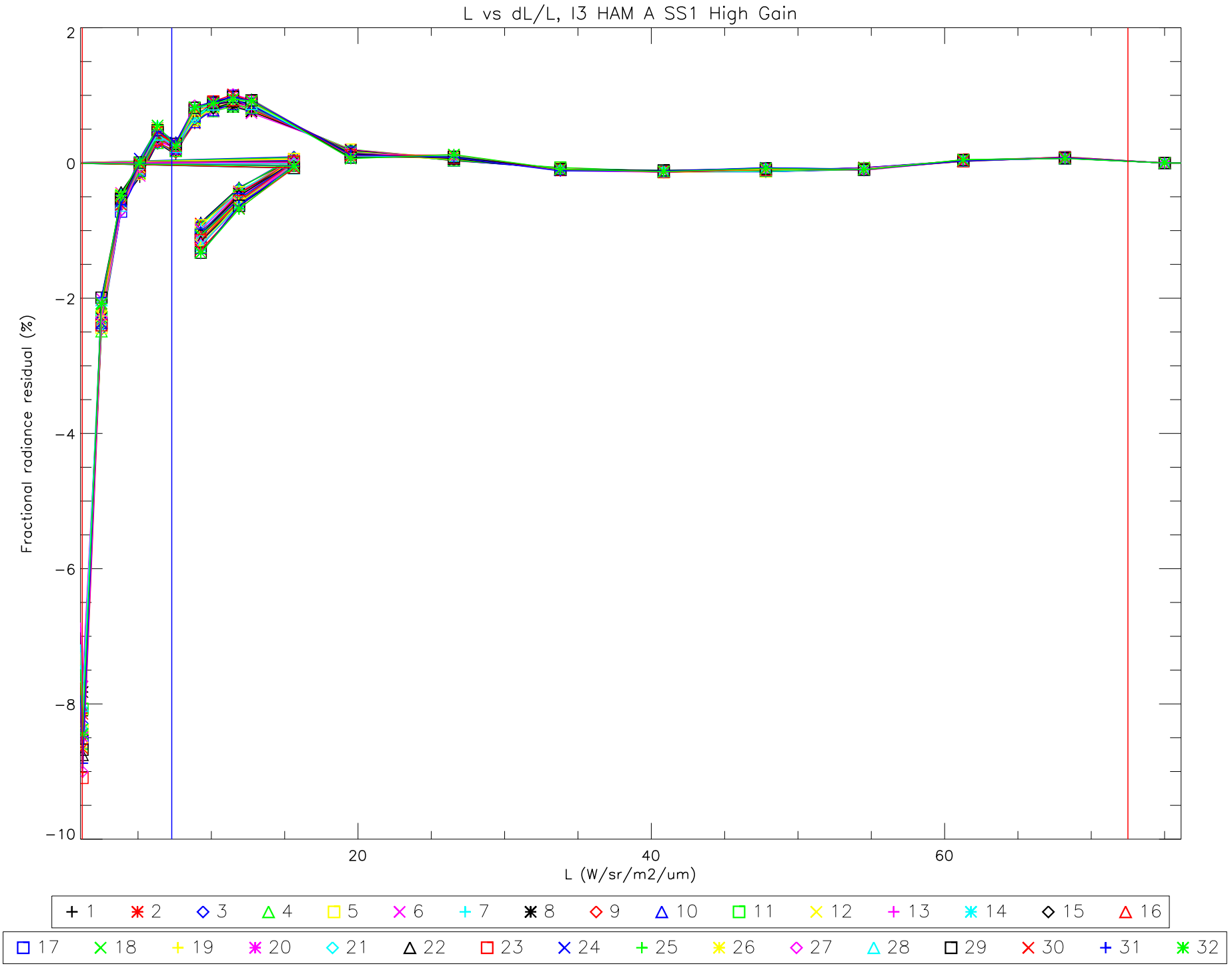
L vs dL/L, I3 HAM A SS1 High Gain
Fractional radiance residual (%)
2
0
−2
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−6
−8
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L (W/sr/m2/um)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
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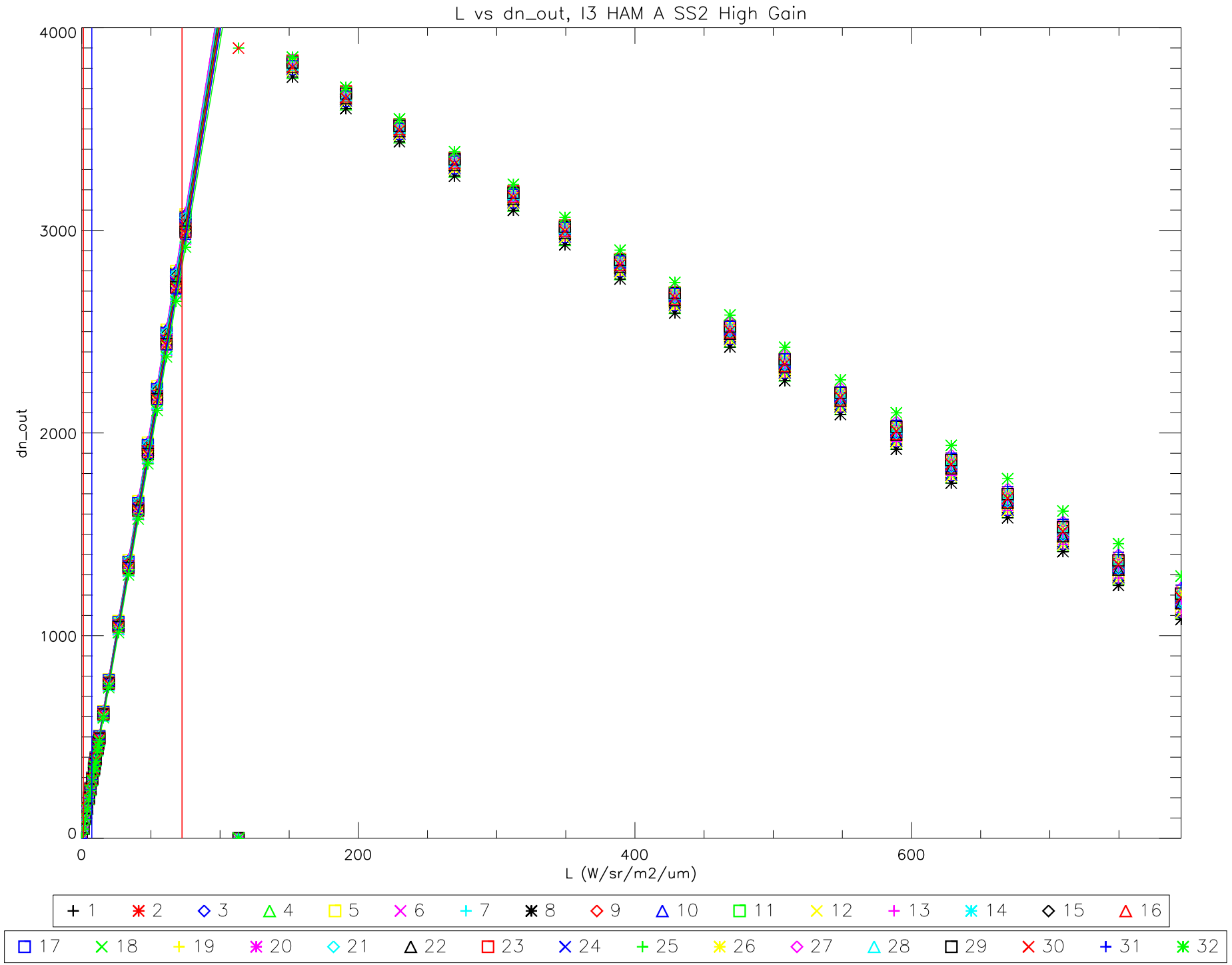
L vs dn_out, I3 HAM A SS2 High Gain
dn_out
L (W/sr/m2/um)
0
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600
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
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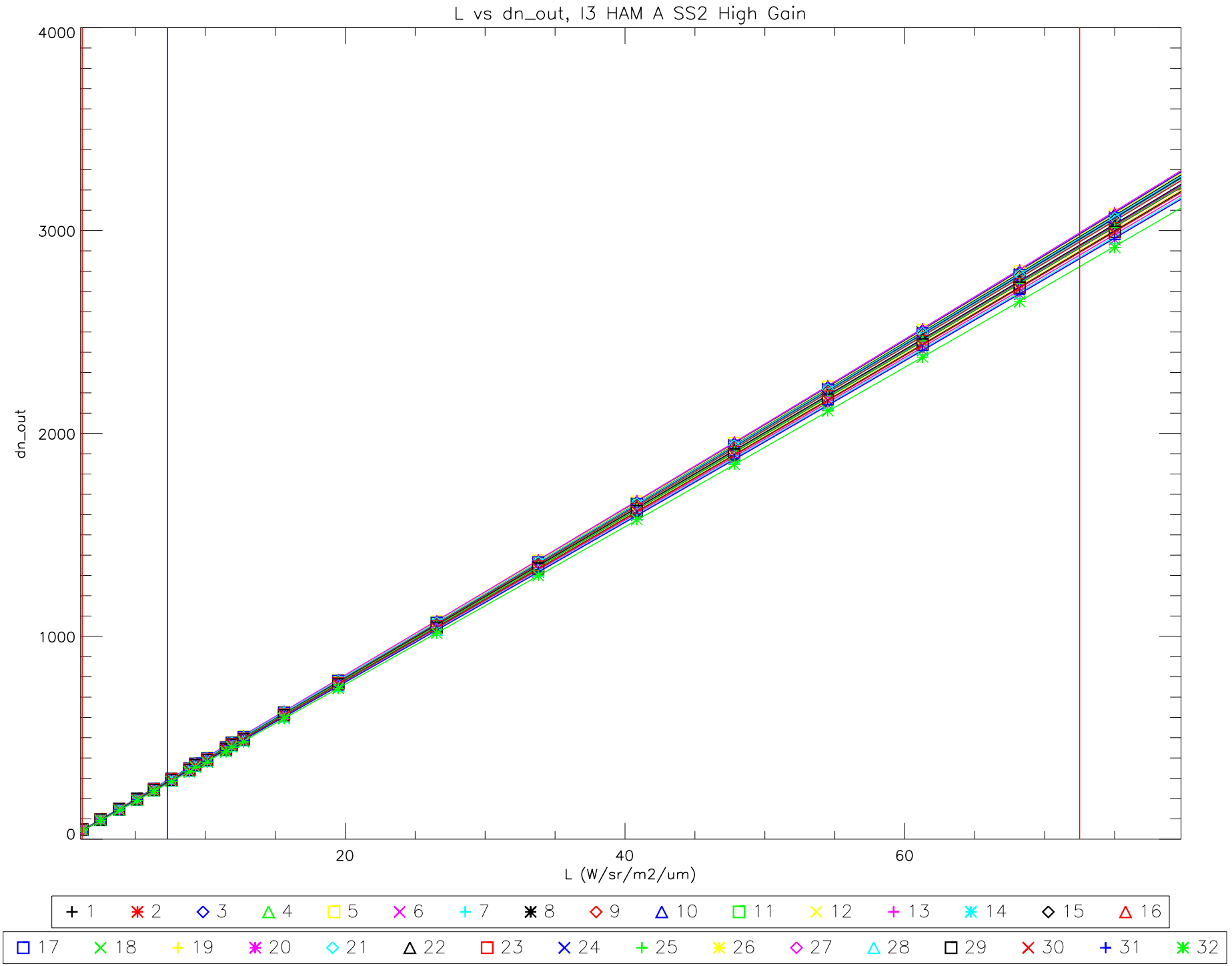
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dn_out
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L (W/sr/m2/um)
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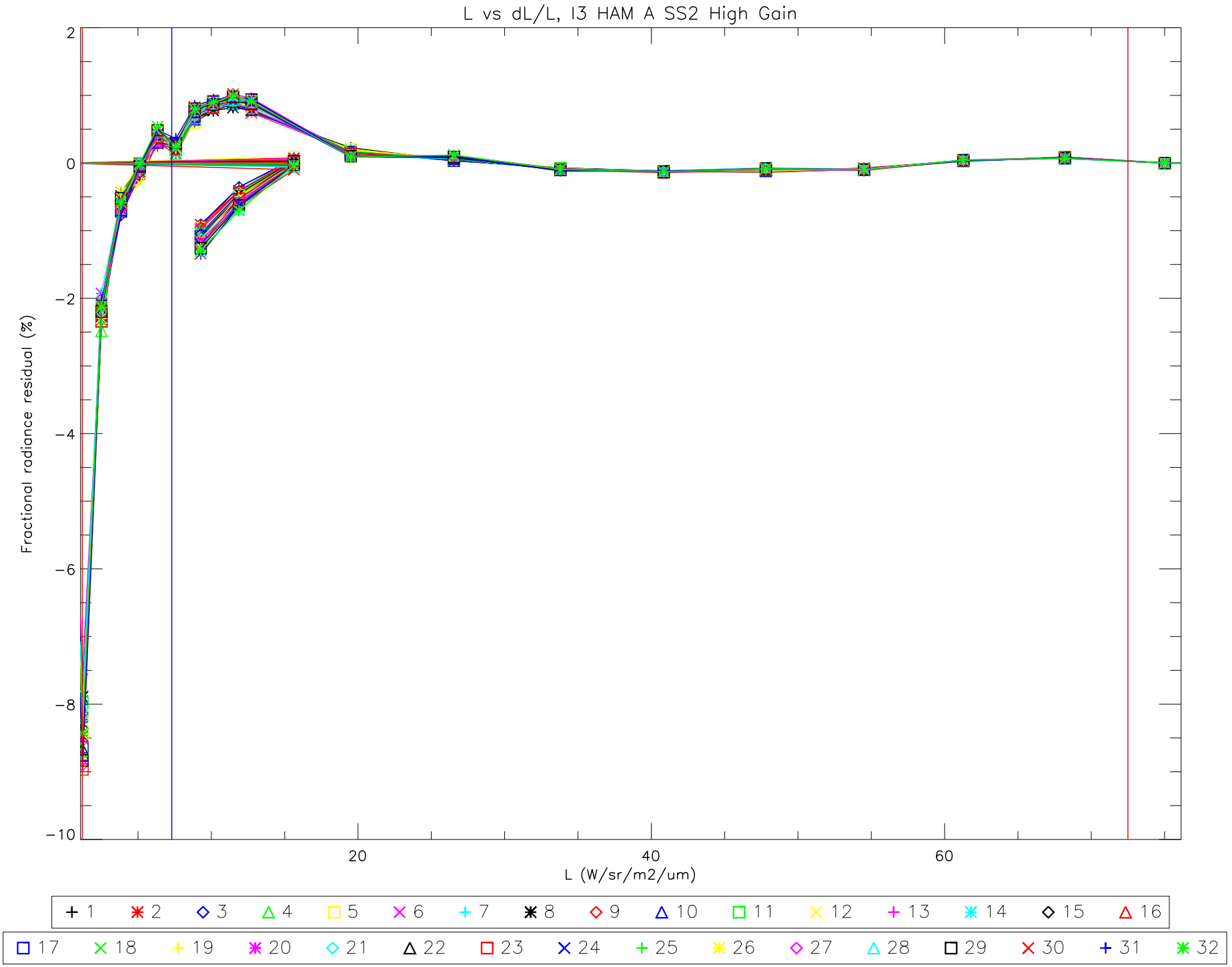
L vs dL/L, I3 HAM A SS2 High Gain
Fractional radiance residual (%)
2
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L (W/sr/m2/um)
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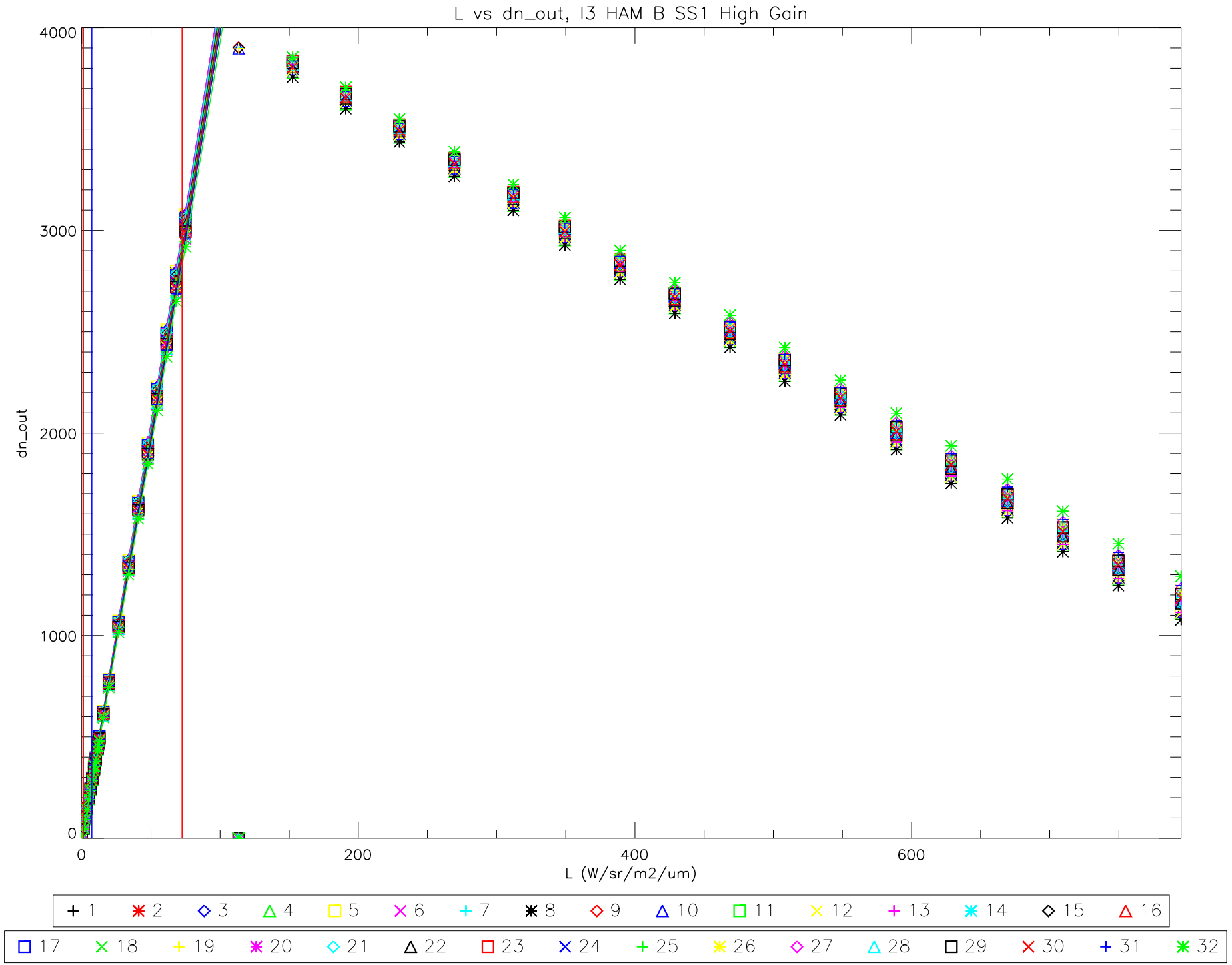
L vs dn_out, I3 HAM B SS1 High Gain
dn_out
L (W/sr/m2/um)
0
1000
2000
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4000
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400
600
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
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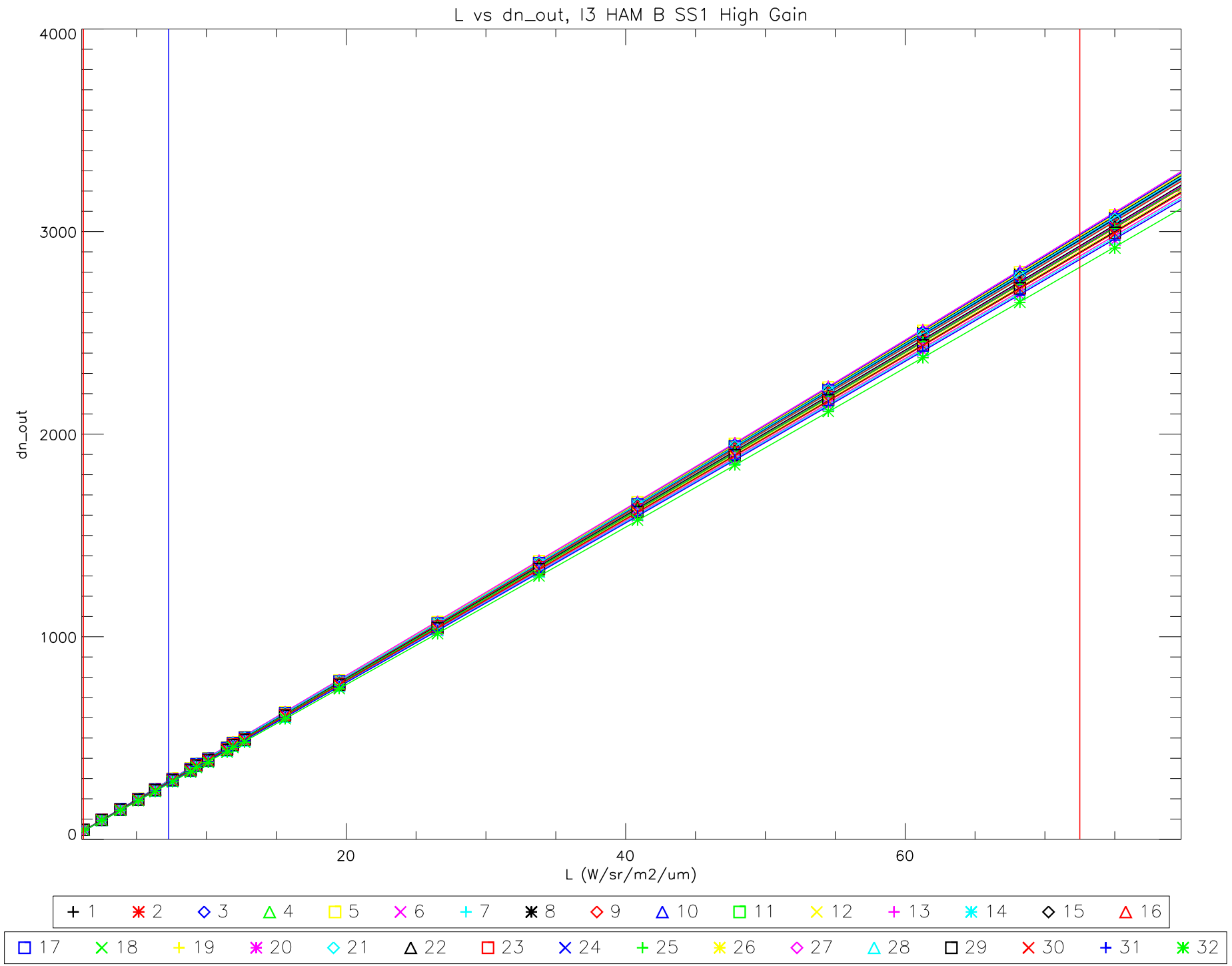
L vs dn_out, I3 HAM B SS1 High Gain
dn_out
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3000
2000
1000
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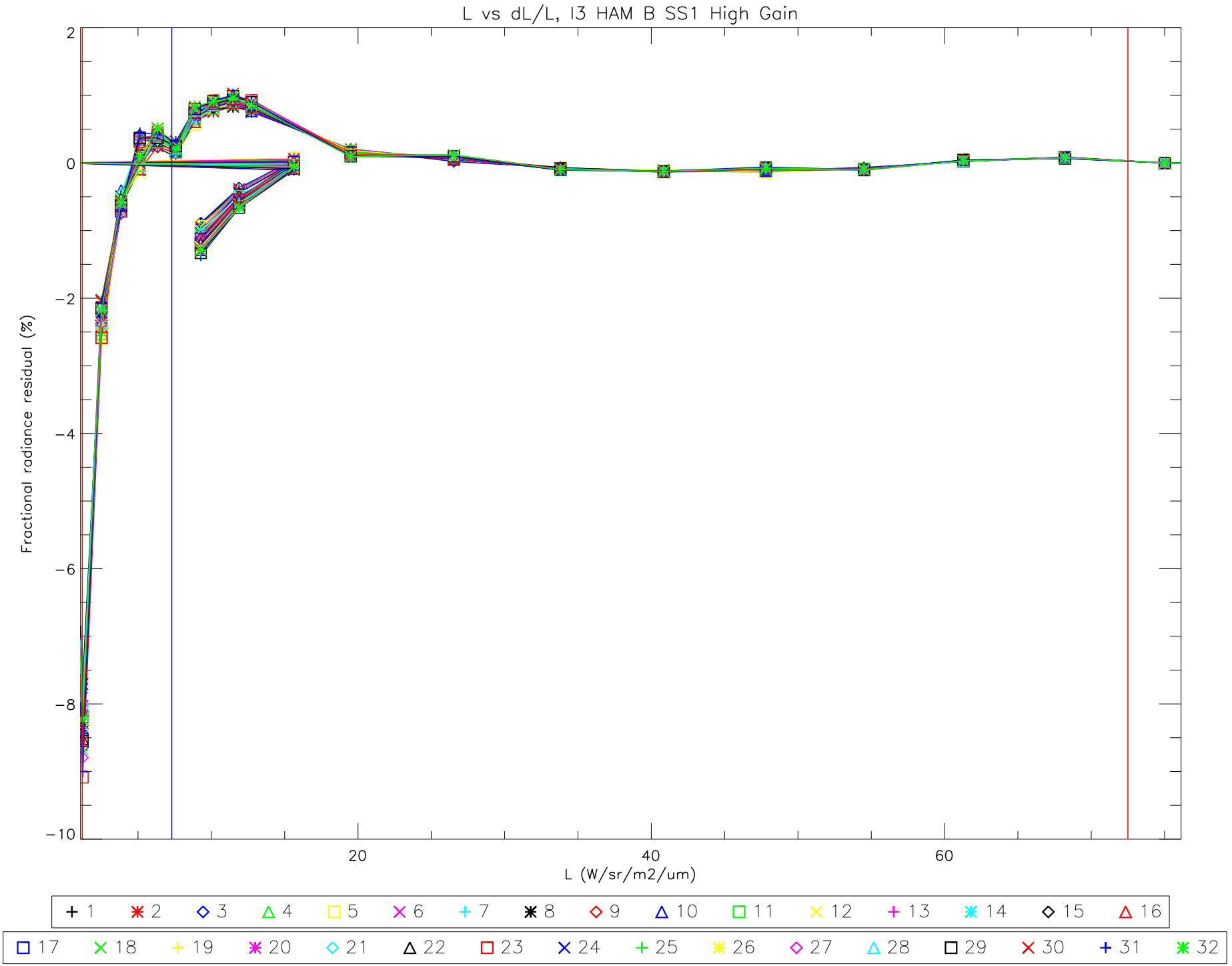
L (W/sr/m2/um)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32


L vs dL/L, I3 HAM B SS1 High Gain
Fractional radiance residual (%)
2
0
−2
−4
−6
−8
−10
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40
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L (W/sr/m2/um)
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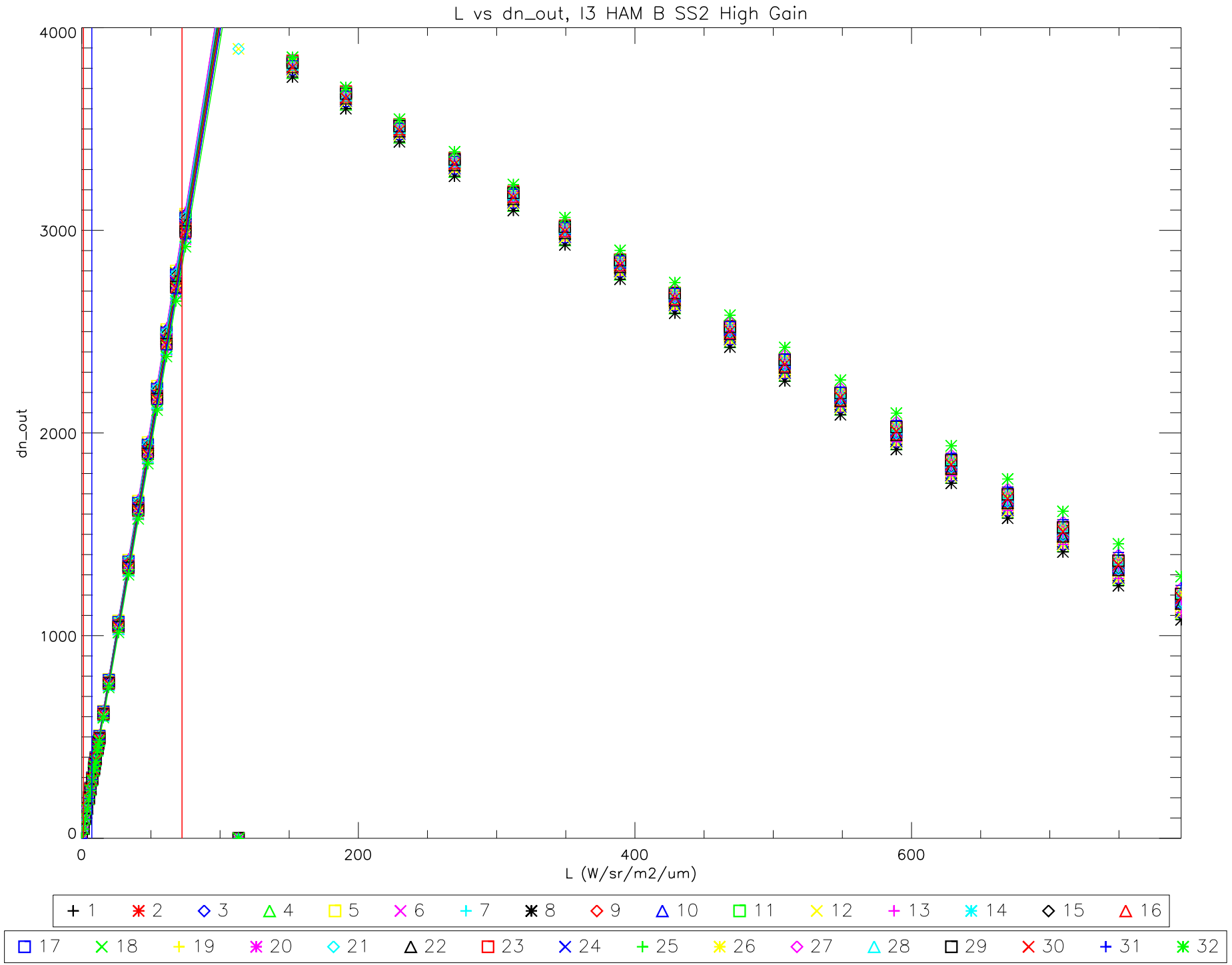
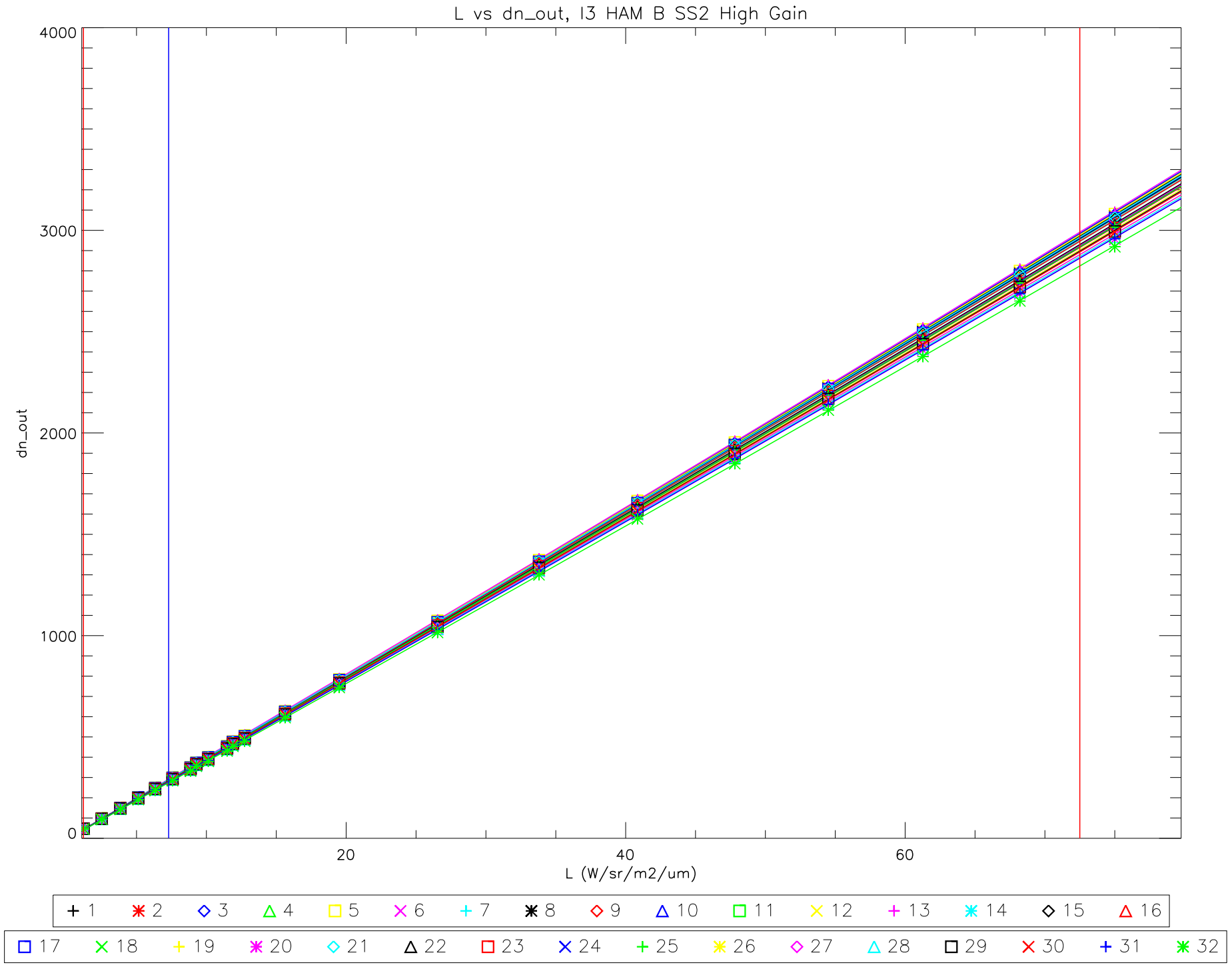
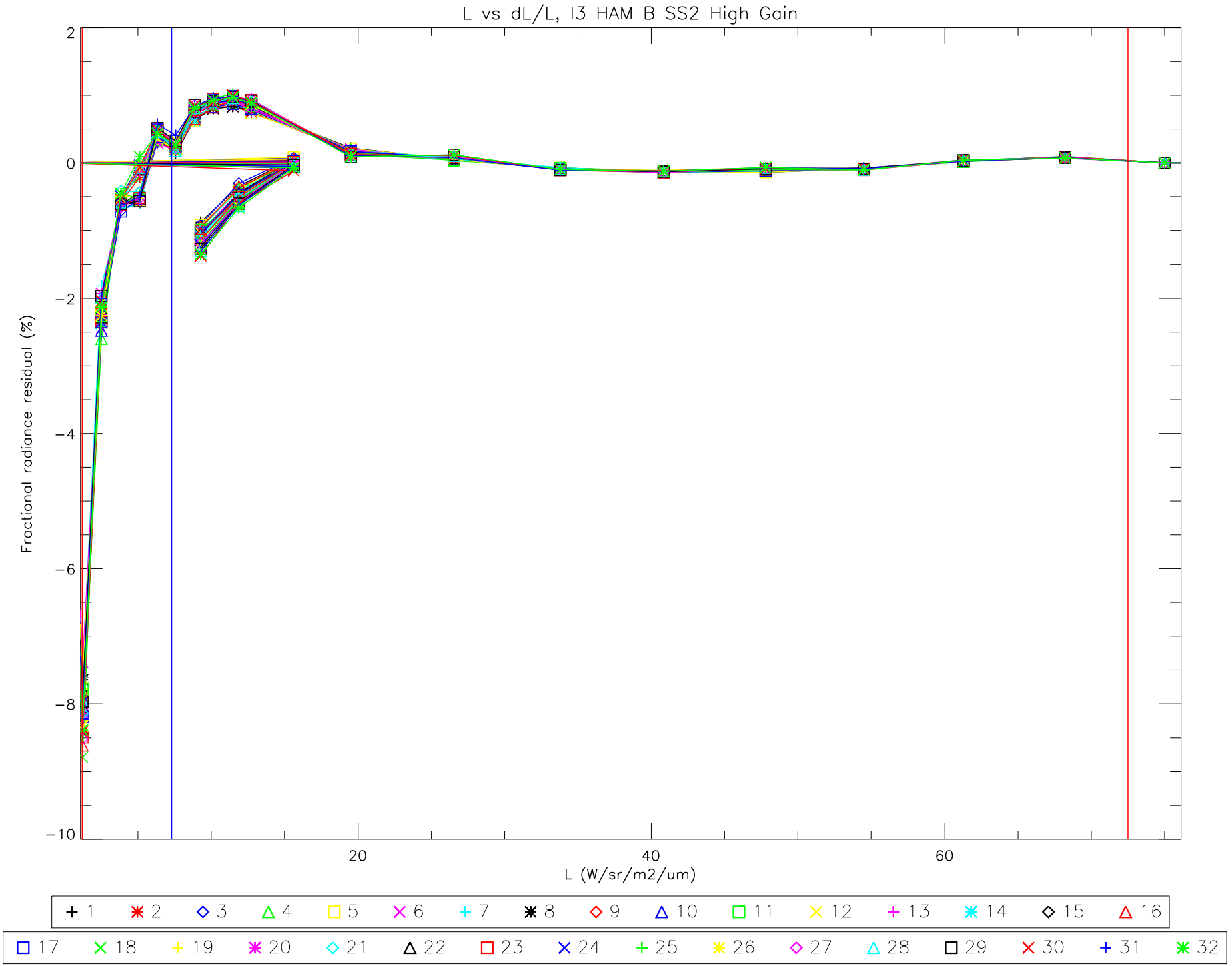
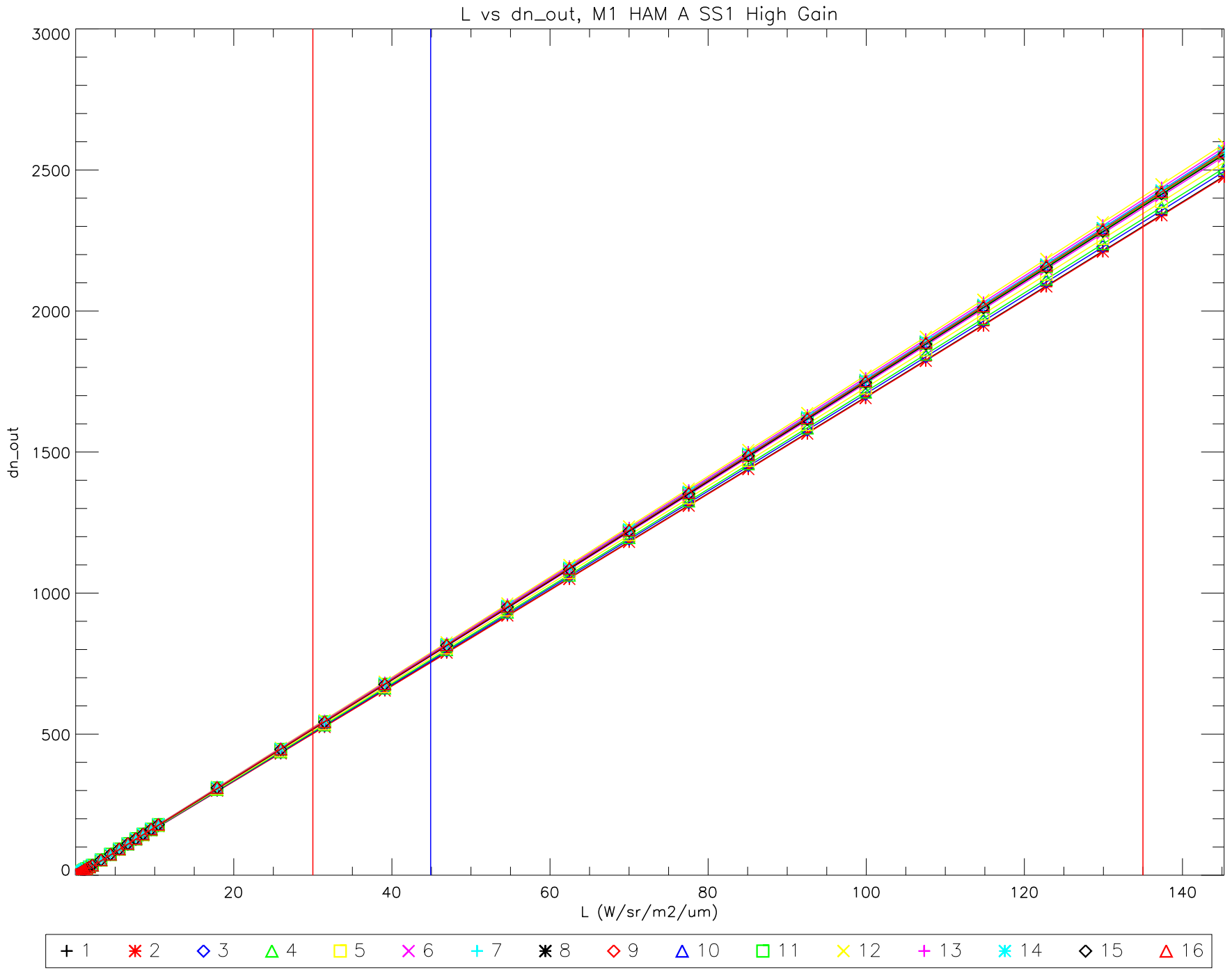
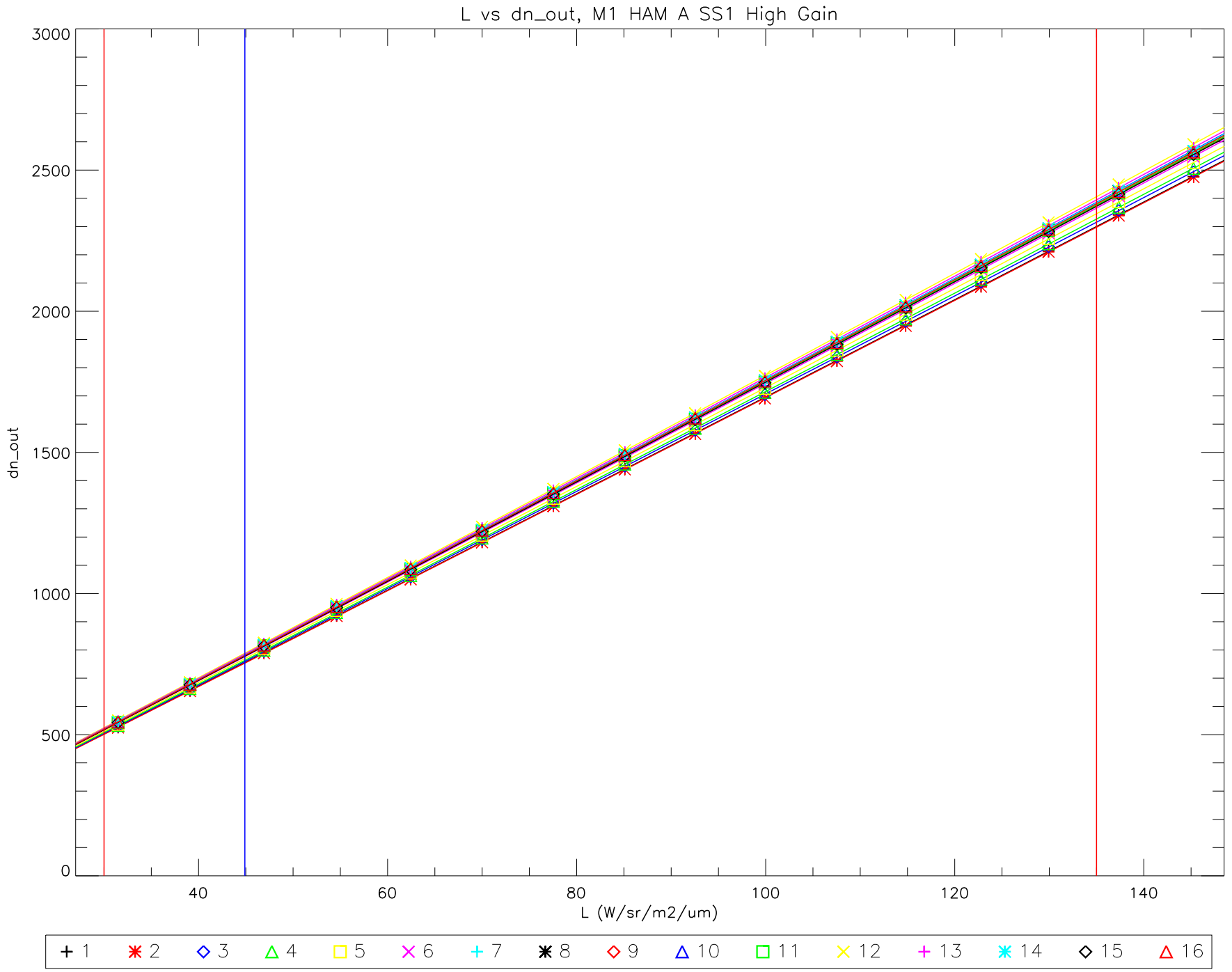
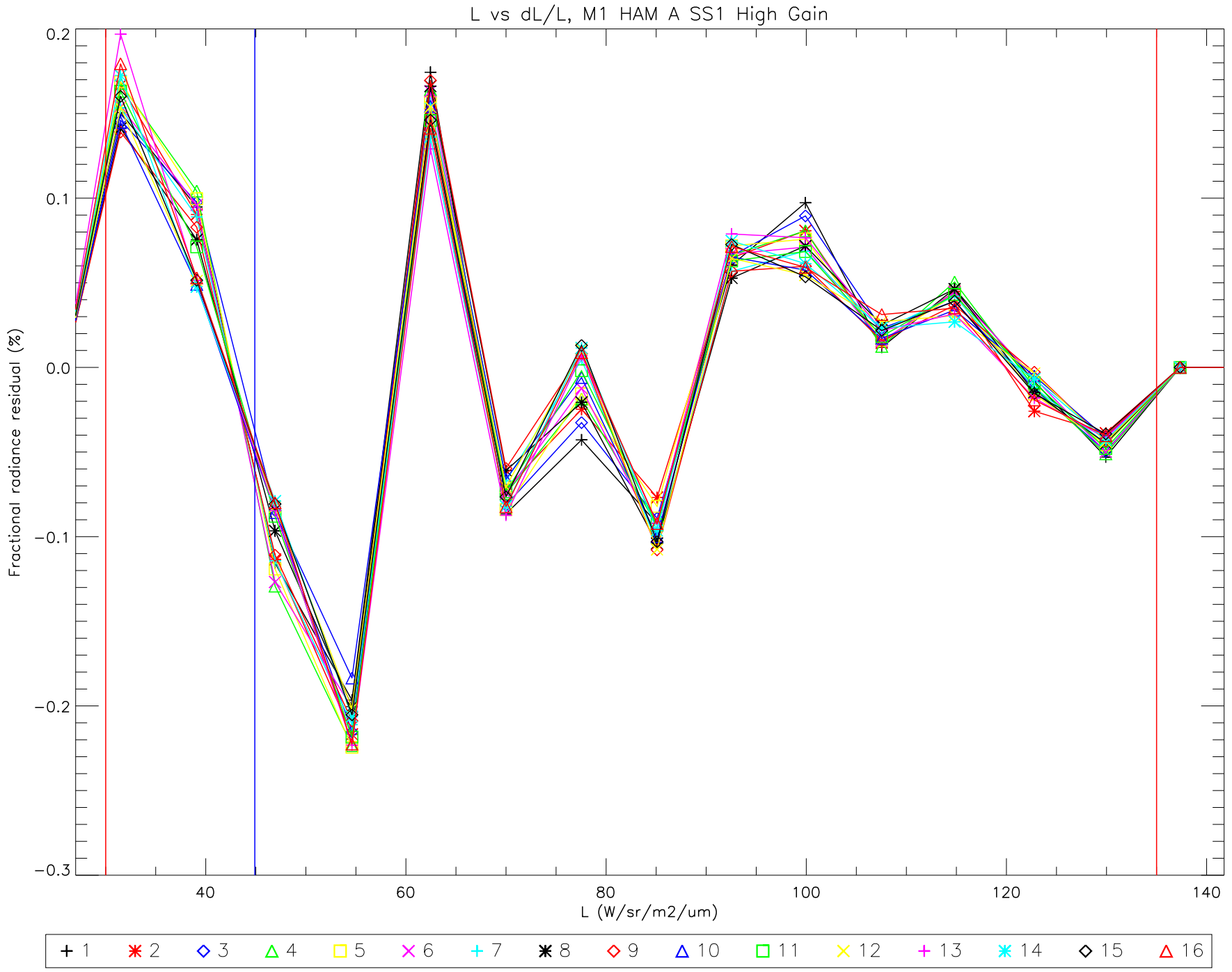

L vs dn_out, I3 HAM B SS2 High Gain
dn_out
L (W/sr/m2/um)
0
1000
2000
3000
4000
0
200
400
600
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

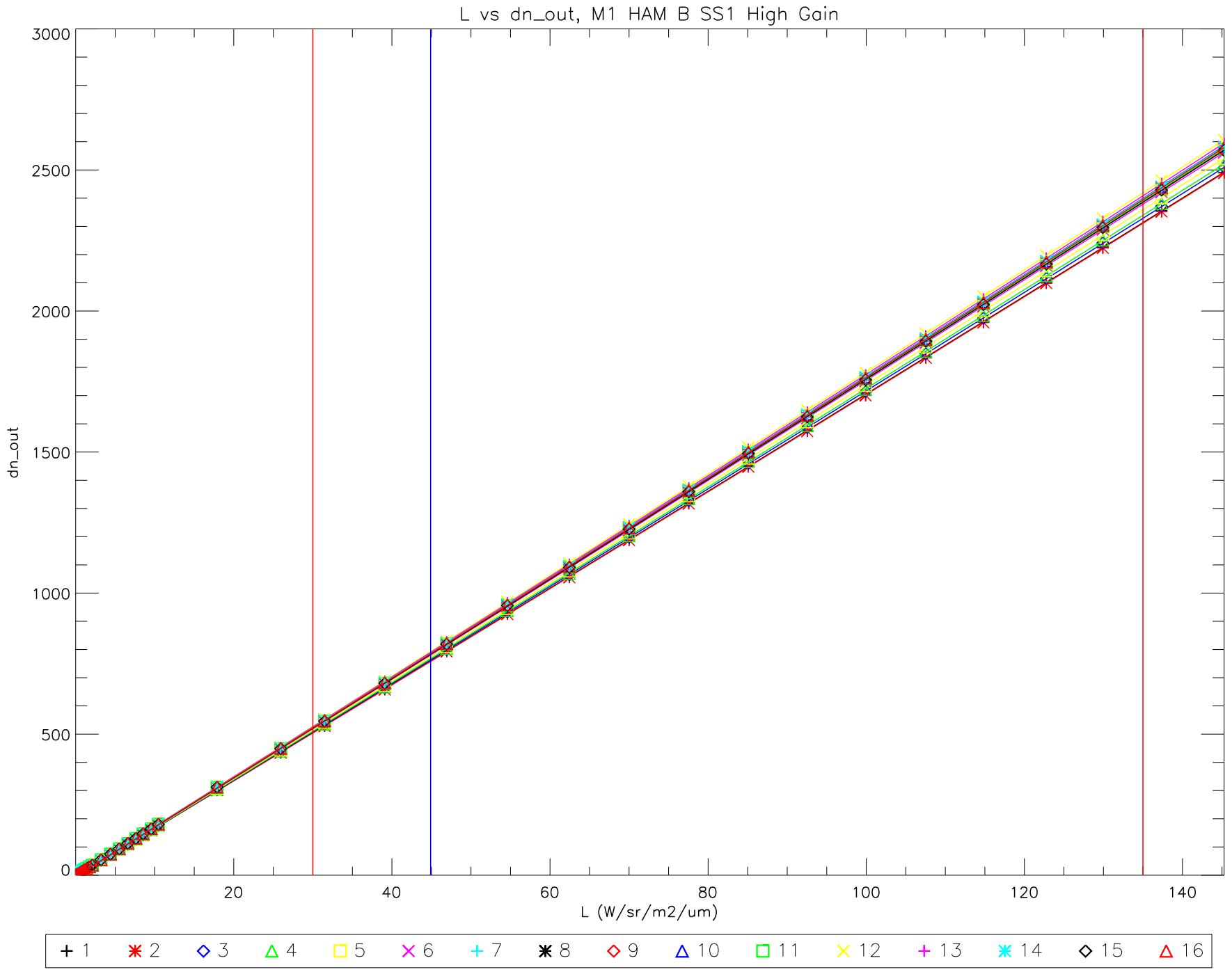

L vs dn_out, I3 HAM B SS2 High Gain
dn_out
4000
3000
2000
1000
0
20
40
60
L (W/sr/m2/um)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

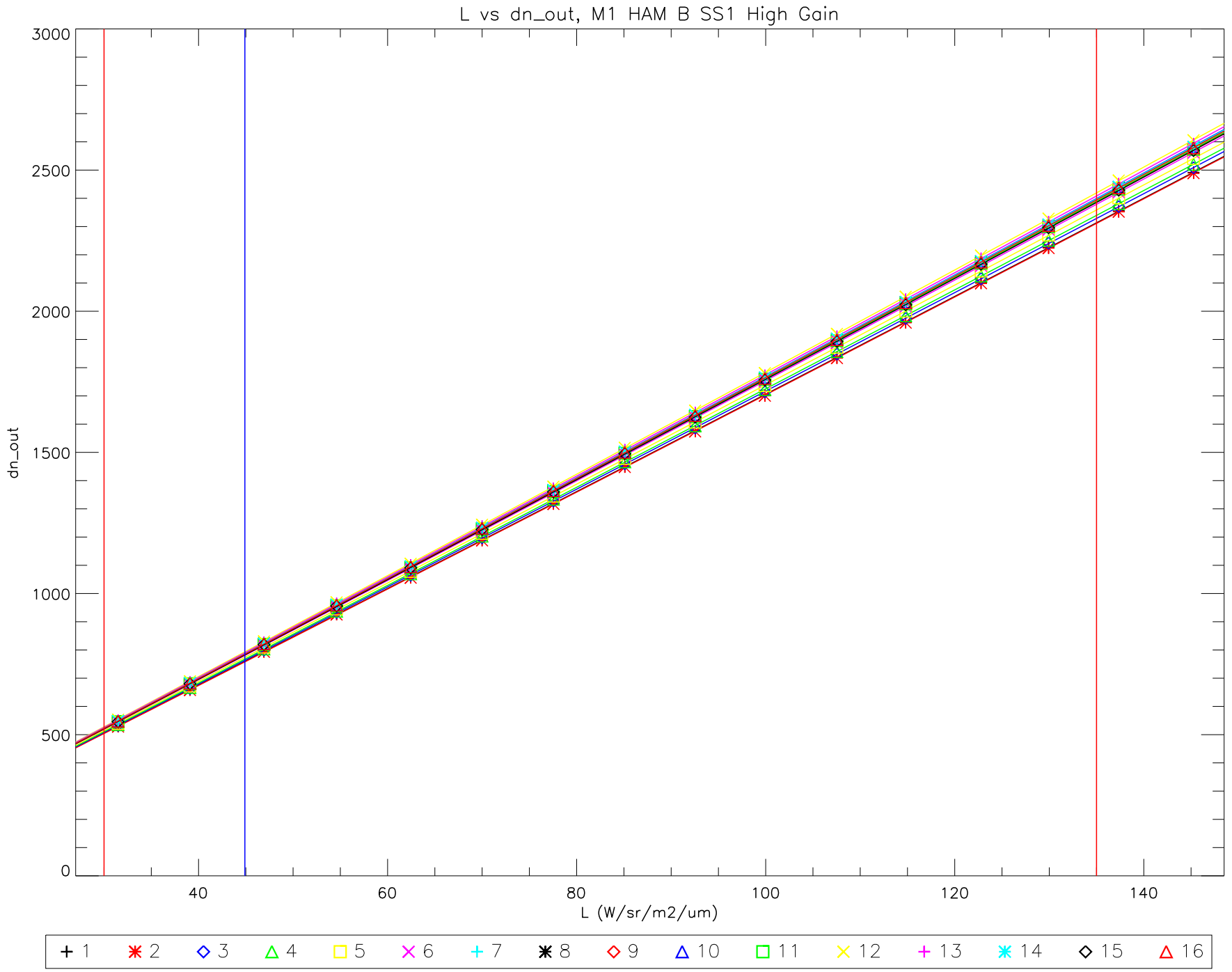

L vs dL/L, I3 HAM B SS2 High Gain
Fractional radiance residual (%)
2
0
−2
−4
−6
−8
−10
20
40
60
L (W/sr/m2/um)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

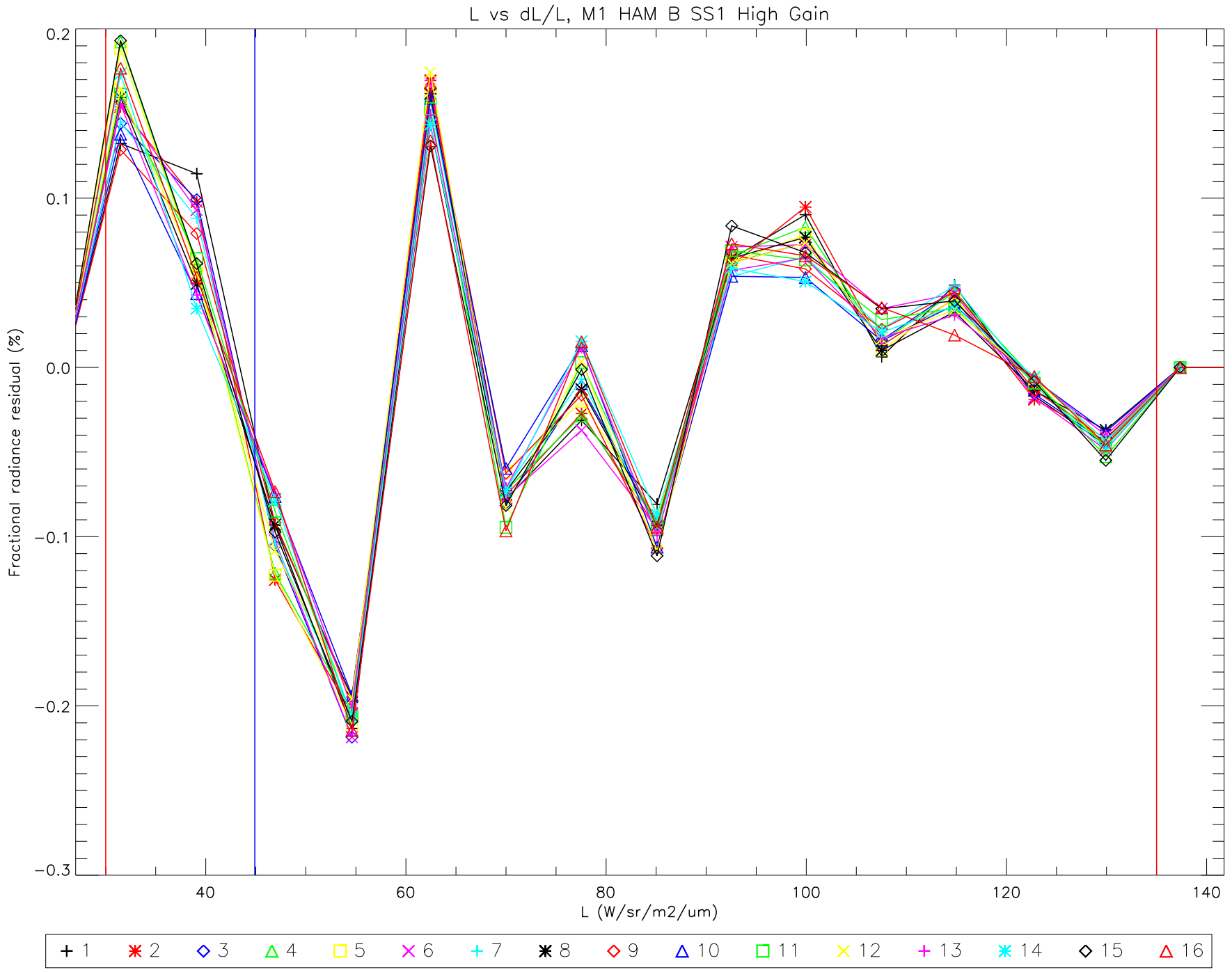

L vs dn_out, M1 HAM A SS1 High Gain
dn_out
3000
2500
2000
1500
1000
500
0
20
40
60
80
100
120
140
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

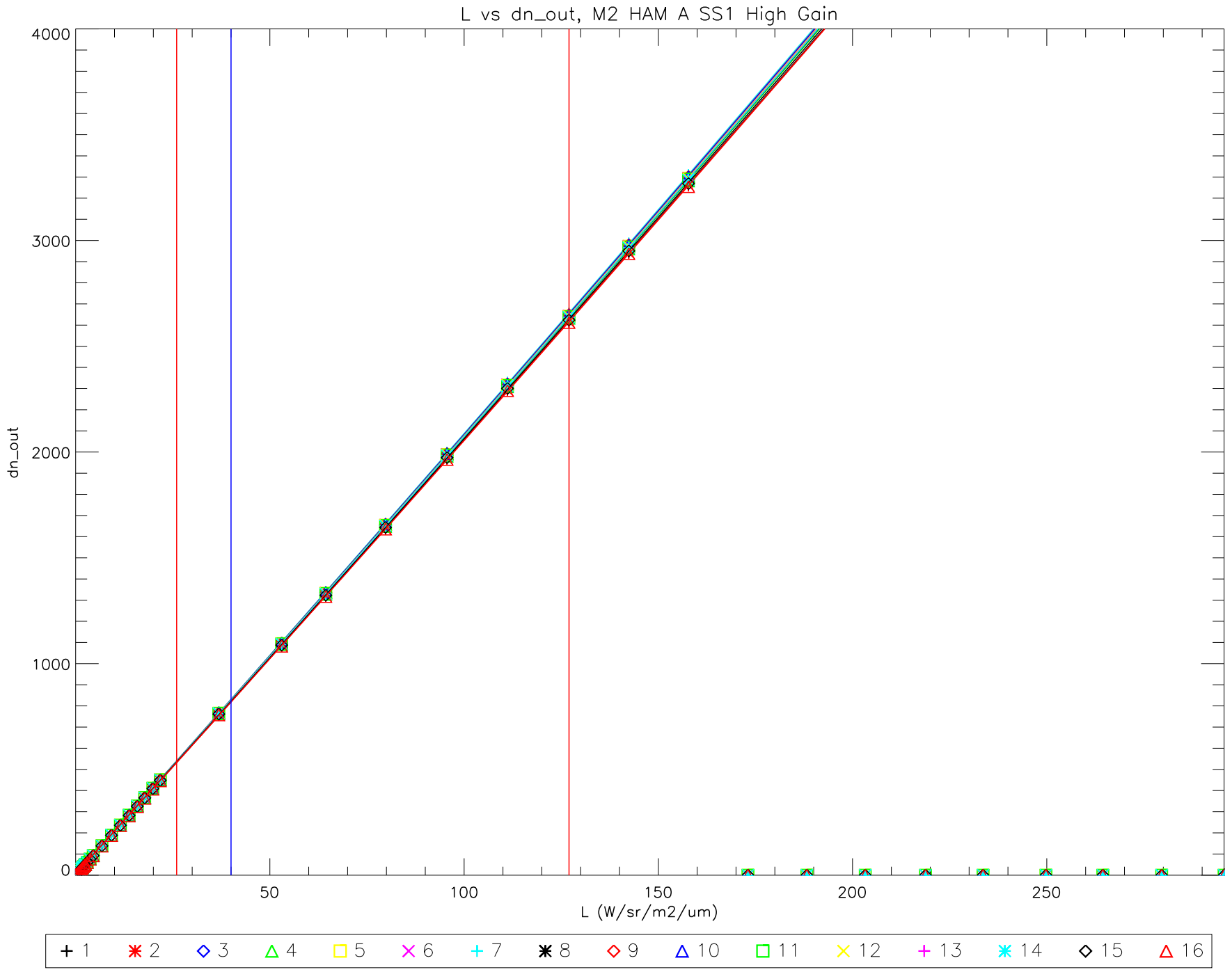

L vs dn_out, M1 HAM A SS1 High Gain
dn_out
3000
2500
2000
1500
1000
500
0
40
60
80
100
120
140
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

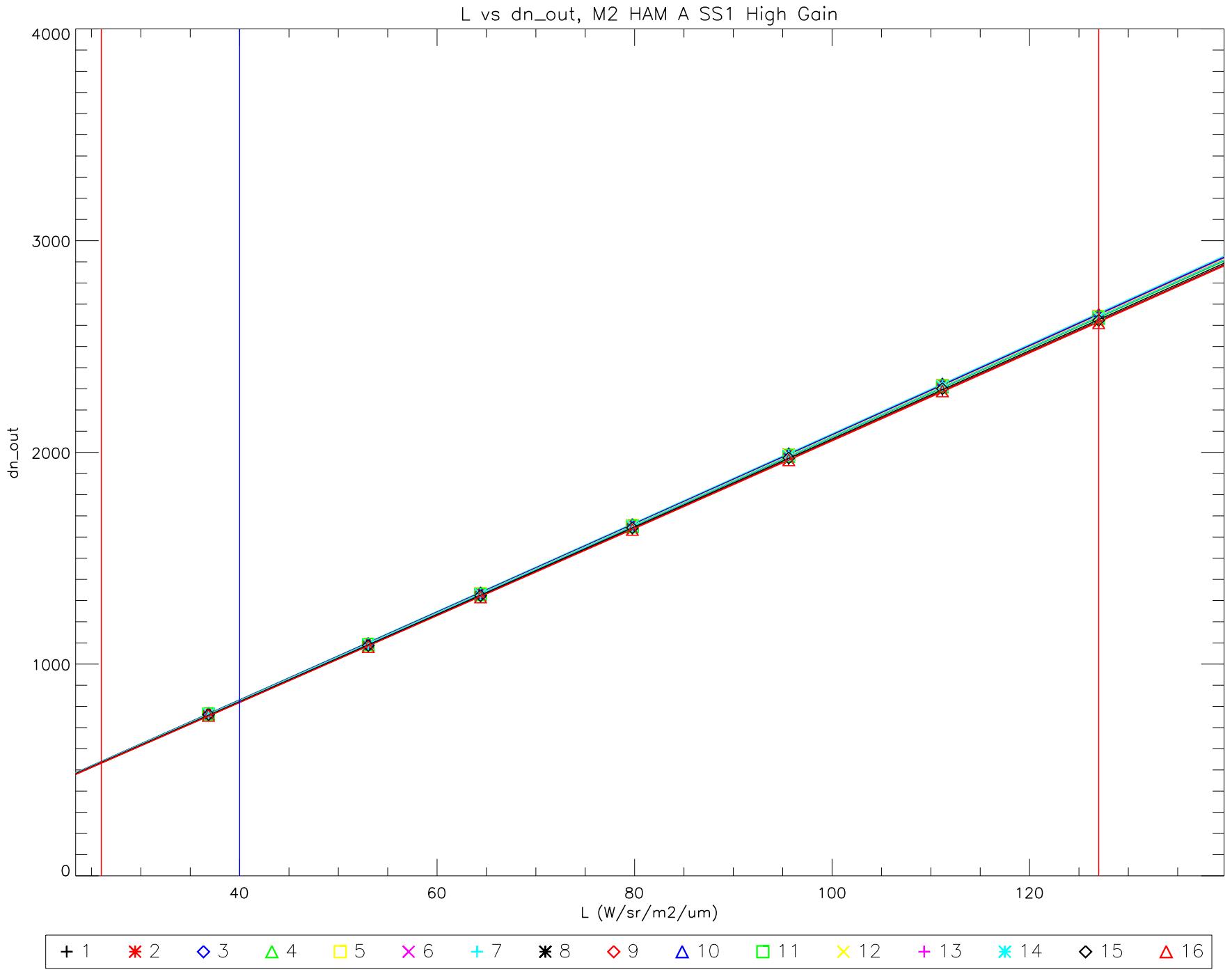

L vs dL/L, M1 HAM A SS1 High Gain
Fractional radiance residual (%)
0.2
0.1
0.0
−0.1
−0.2
−0.3
40
60
80
100
120
140
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

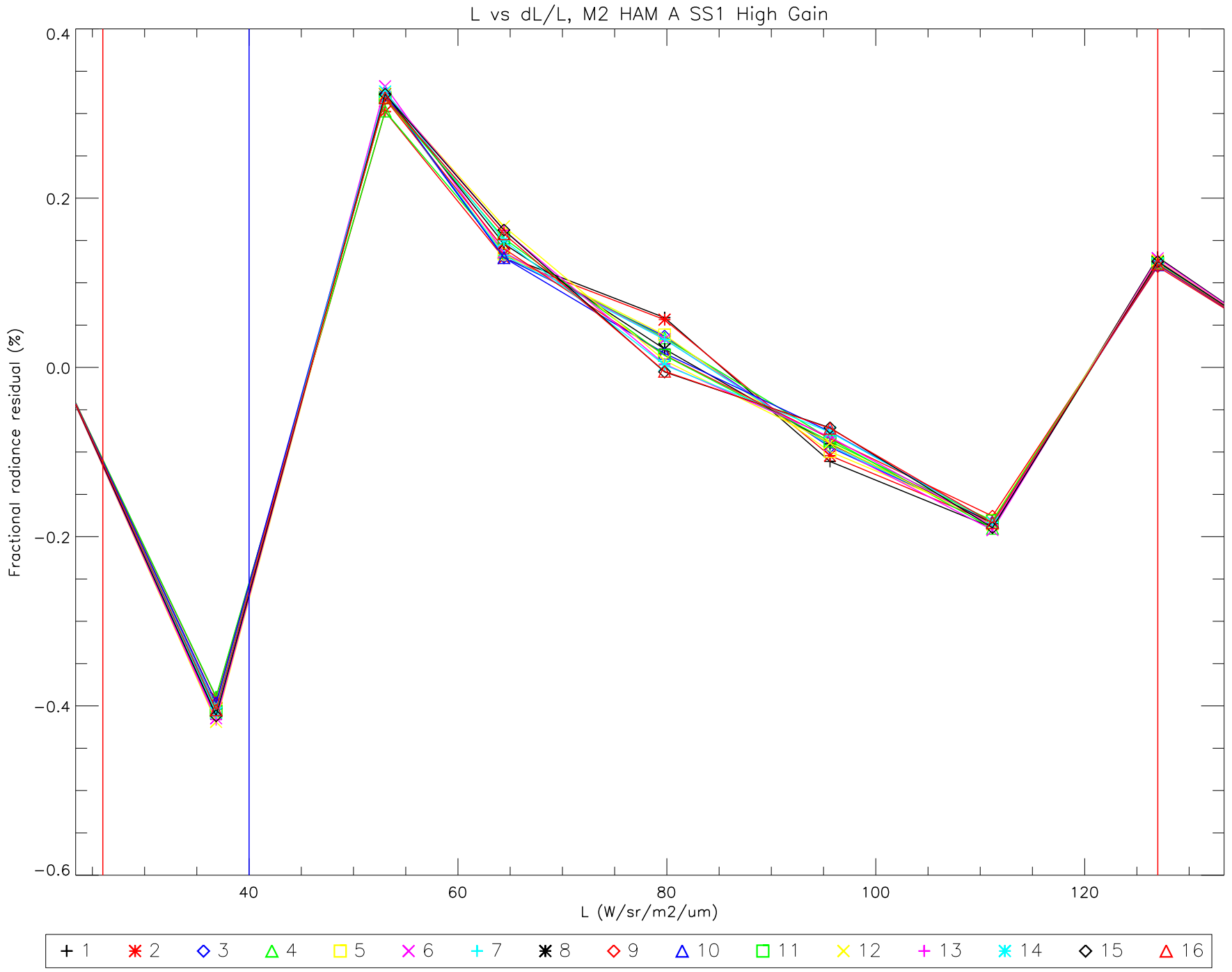

L vs dn_out, M1 HAM B SS1 High Gain
dn_out
3000
2500
2000
1500
1000
500
0
20
40
60
80
100
120
140
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

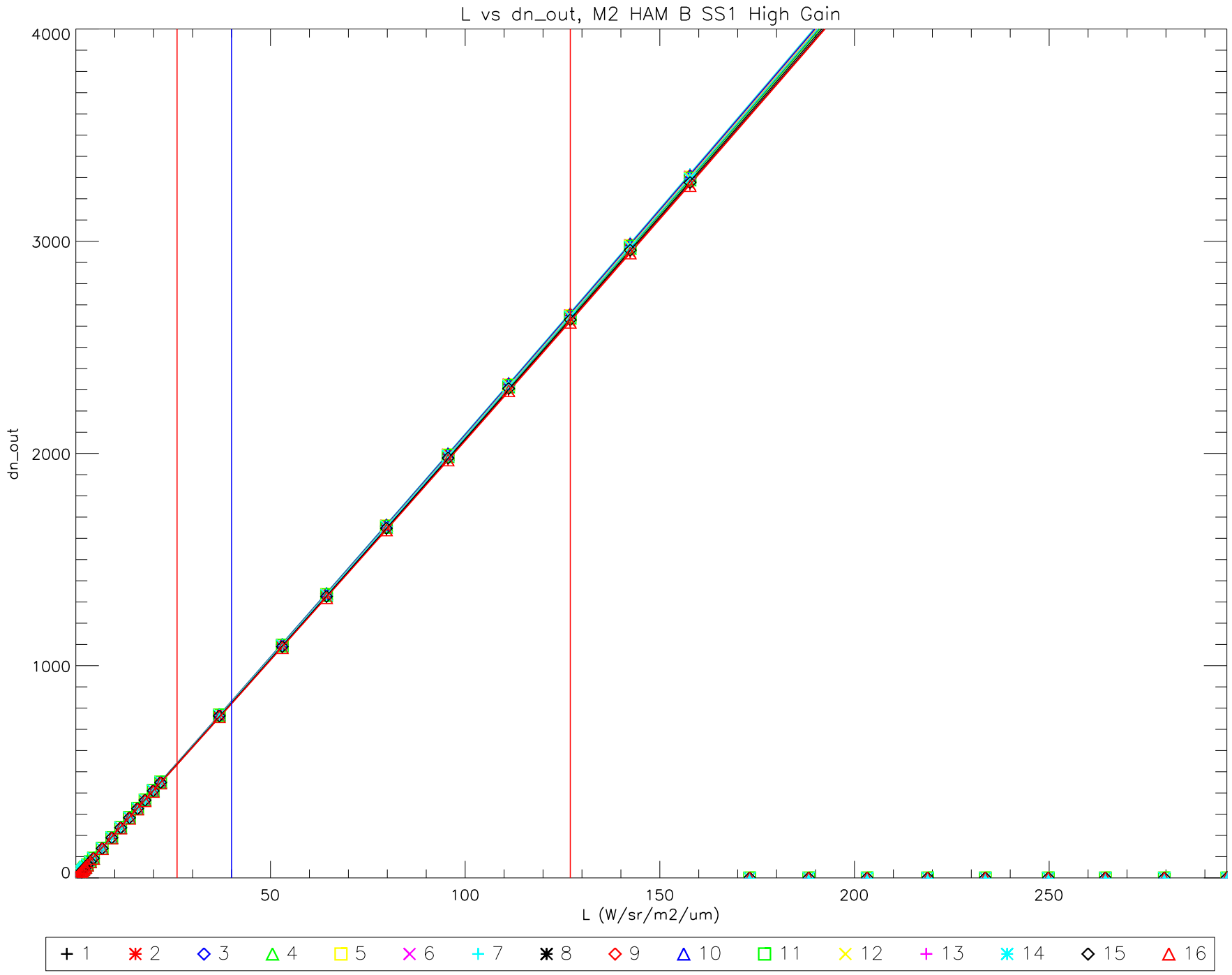

L vs dn_out, M1 HAM B SS1 High Gain
dn_out
3000
2500
2000
1500
1000
500
0
40
60
80
100
120
140
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

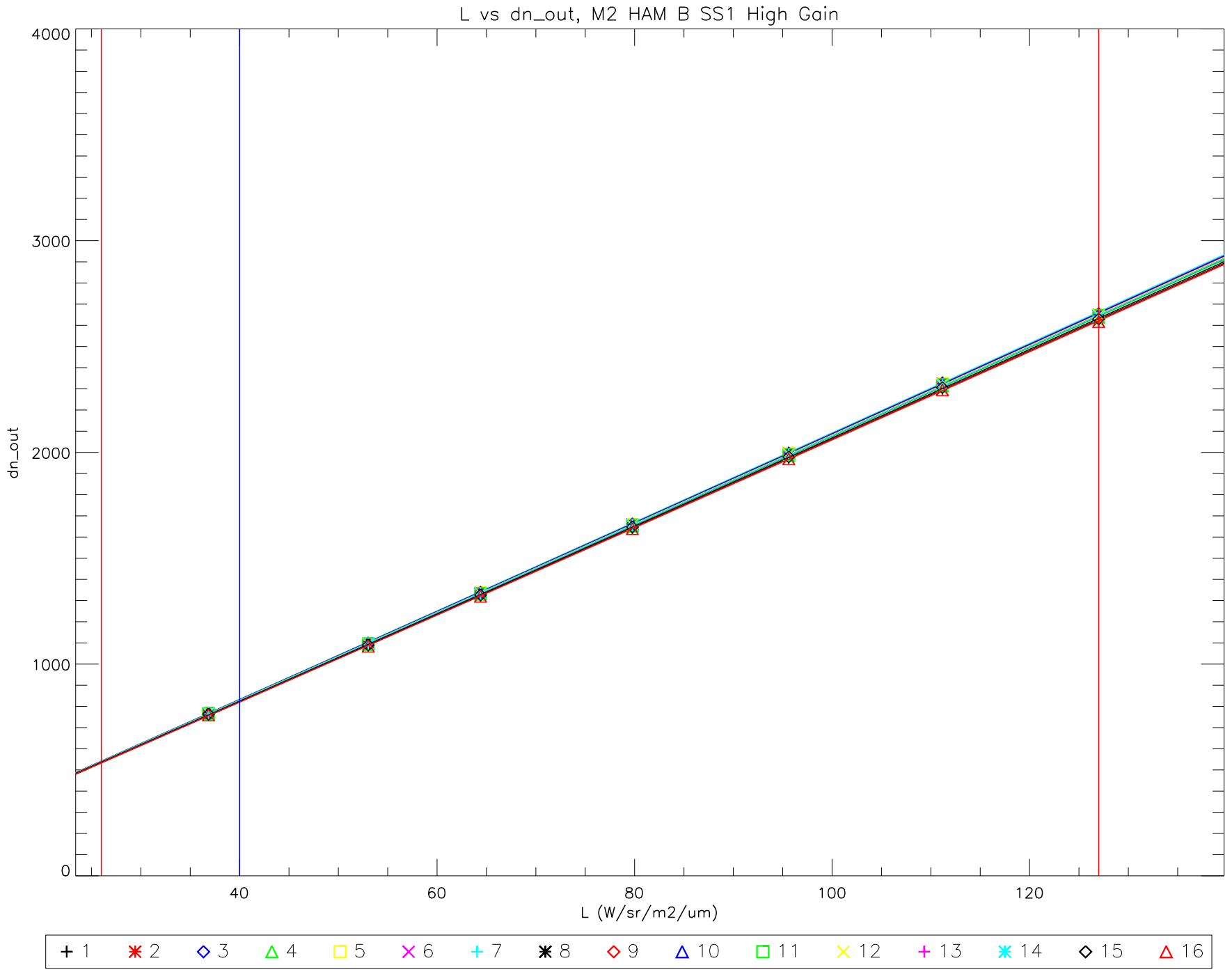

L vs dL/L, M1 HAM B SS1 High Gain
Fractional radiance residual (%)
0.2
0.1
0.0
−0.1
−0.2
−0.3
40
60
80
100
120
140
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16


L vs dn_out, M2 HAM A SS1 High Gain
dn_out
4000
3000
2000
1000
0
50
100
150
200
250
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16


L vs dn_out, M2 HAM A SS1 High Gain
dn_out
4000
3000
2000
1000
0
40
60
80
100
120
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16


L vs dL/L, M2 HAM A SS1 High Gain
Fractional radiance residual (%)
0.4
0.2
0.0
−0.2
−0.4
−0.6
40
60
80
100
120
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16


L vs dn_out, M2 HAM B SS1 High Gain
dn_out
4000
3000
2000
1000
0
50
100
150
200
250
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16


L vs dn_out, M2 HAM B SS1 High Gain
dn_out
4000
3000
2000
1000
0
40
60
80
100
120
L (W/sr/m2/um)
1
2
3
4
5
6
7
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10
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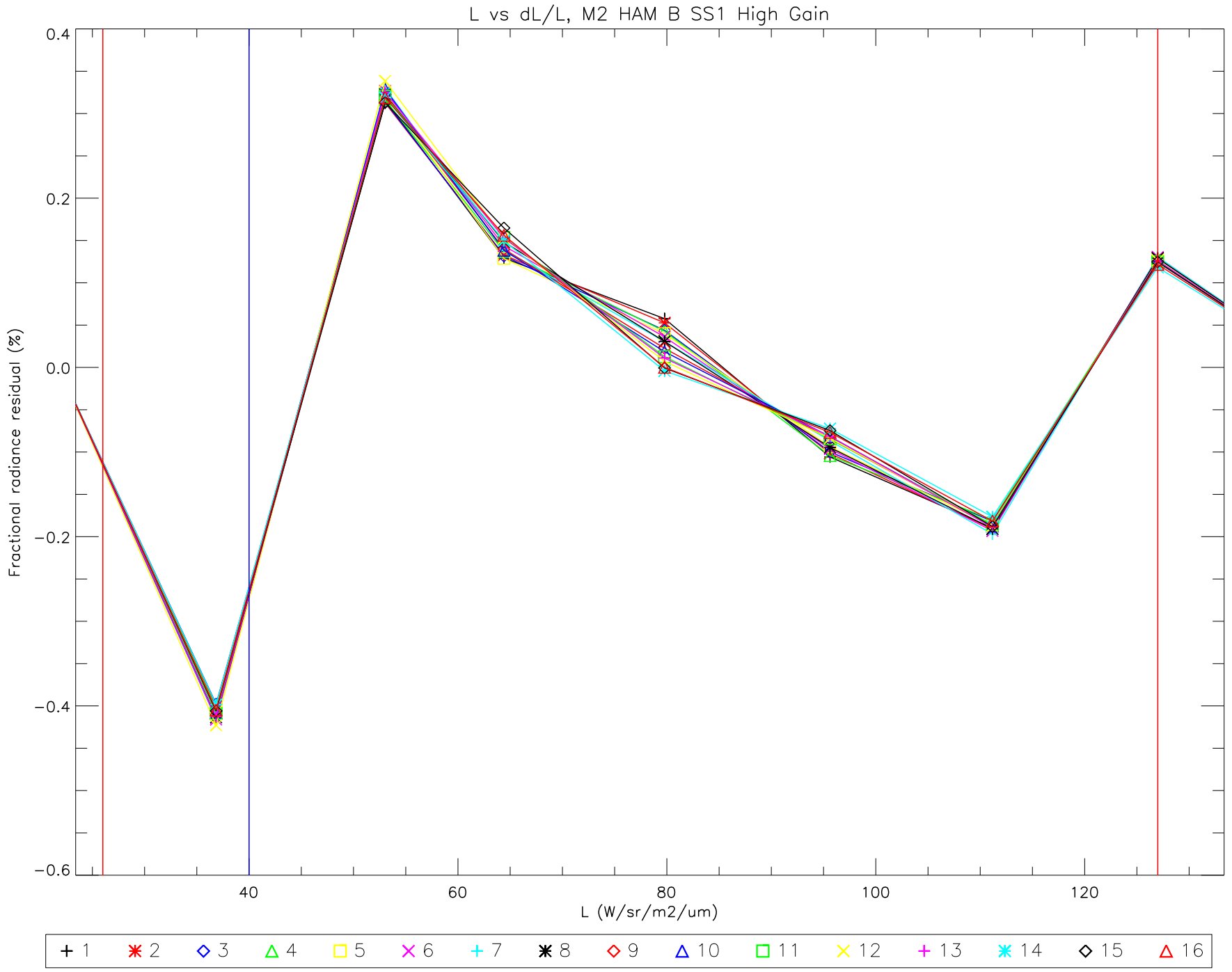
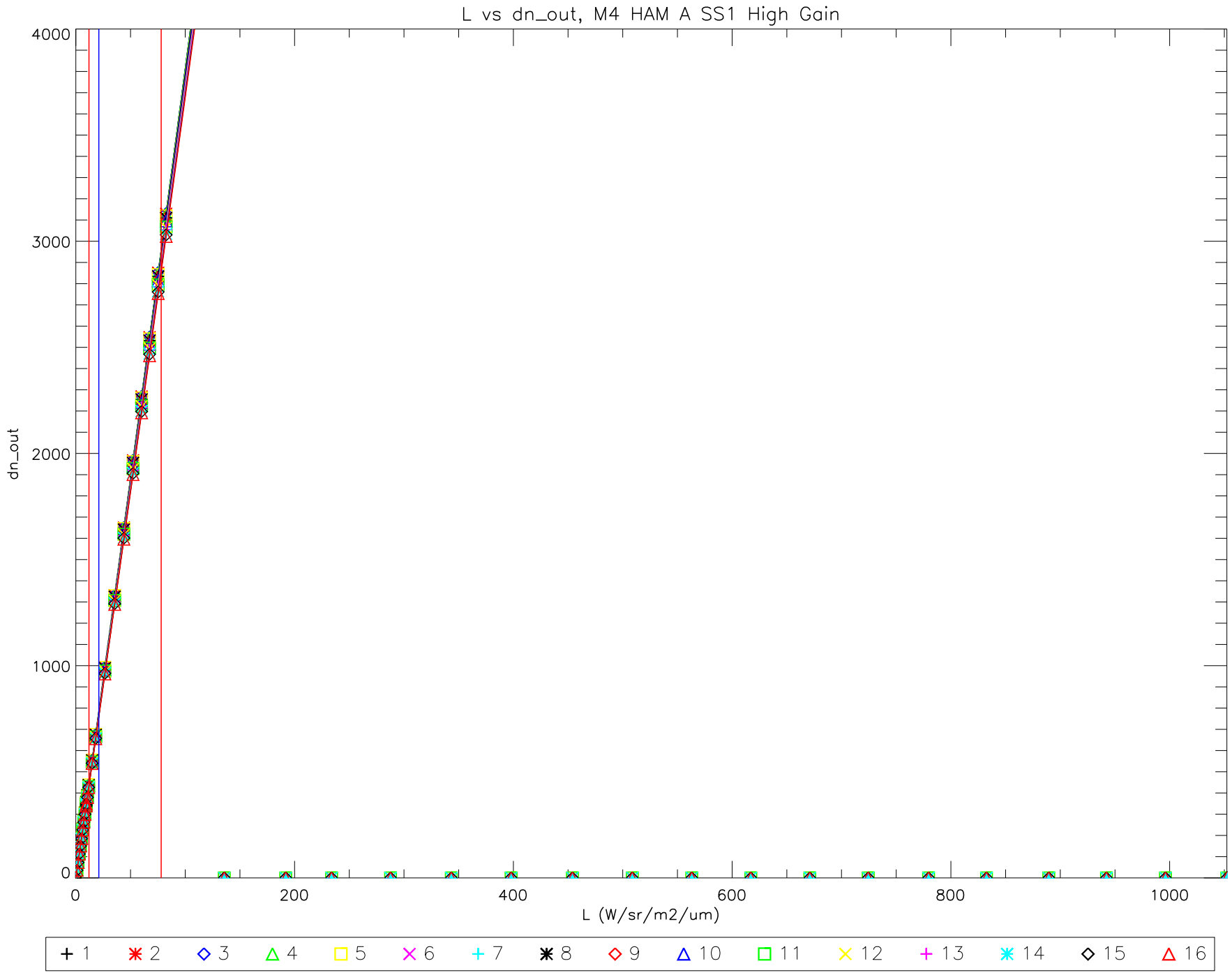
14
15
16


L vs dL/L, M2 HAM B SS1 High Gain
Fractional radiance residual (%)
0.4
0.2
0.0
−0.2
−0.4
−0.6
40
60
80
100
120
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16


L vs dn_out, M4 HAM A SS1 High Gain
dn_out
4000
3000
2000
1000
0
0
200
400
600
800
1000
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
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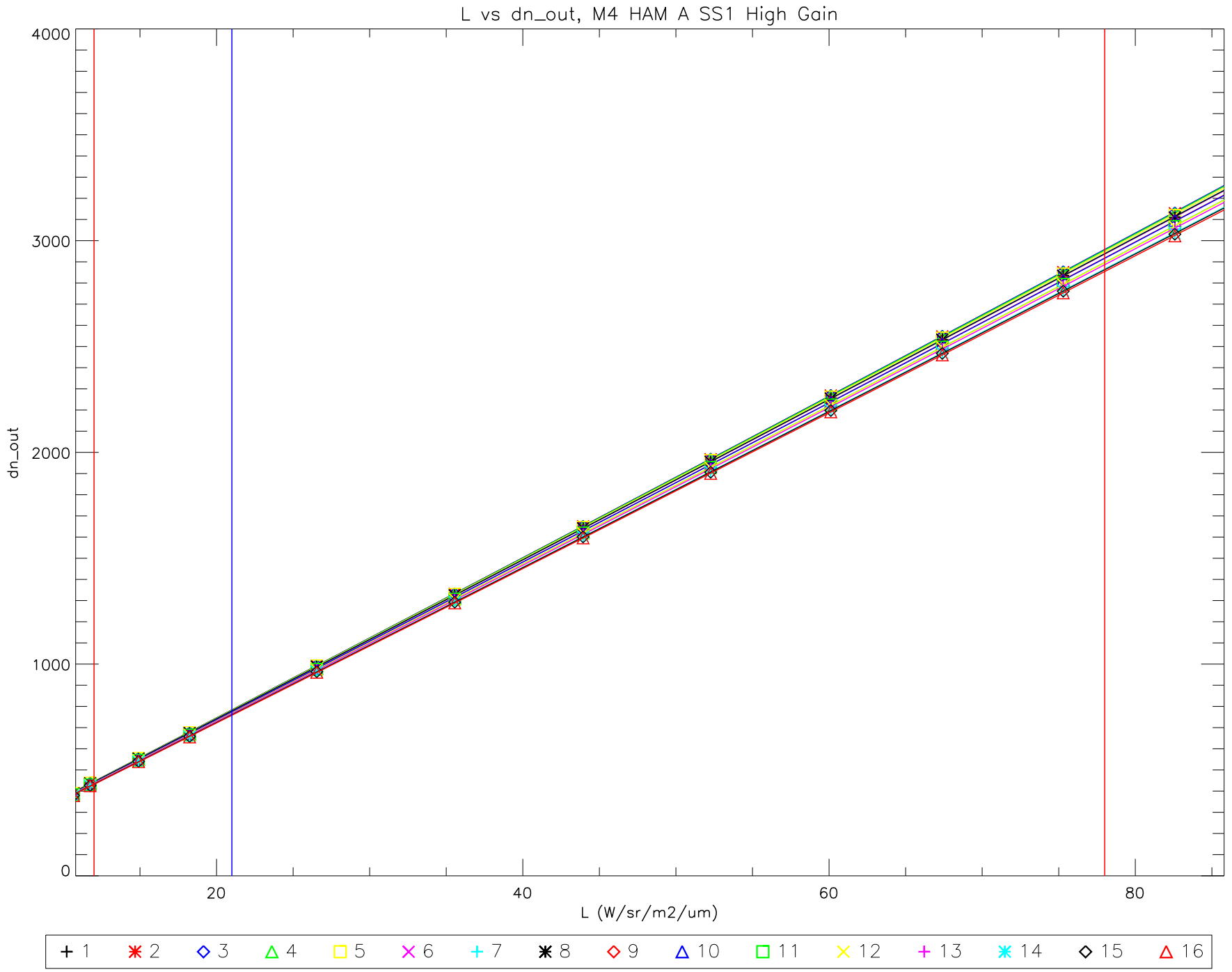
14
15
16


L vs dn_out, M4 HAM A SS1 High Gain
dn_out
4000
3000
2000
1000
0
20
40
60
80
L (W/sr/m2/um)
1
2
3
4
5
6
7
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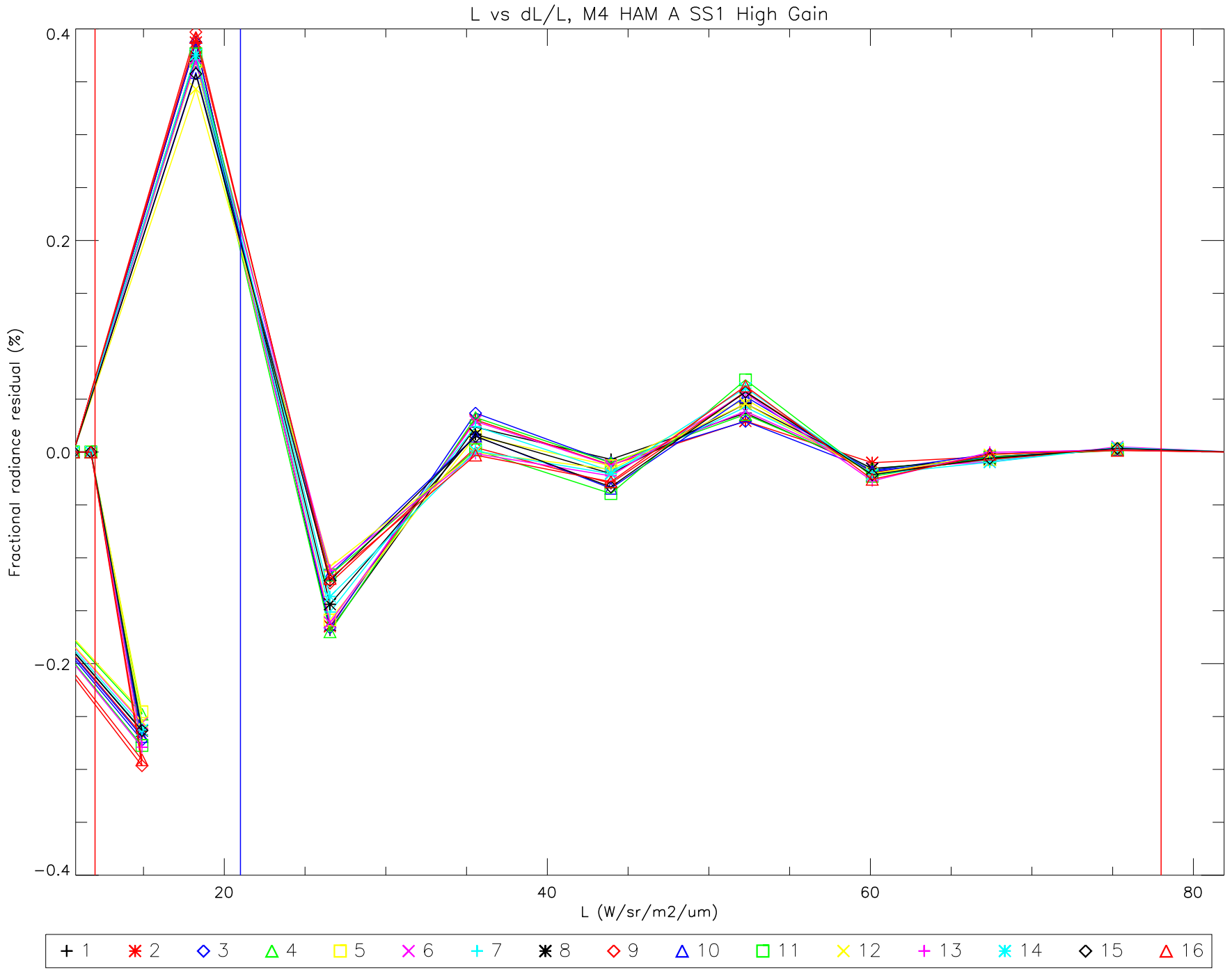
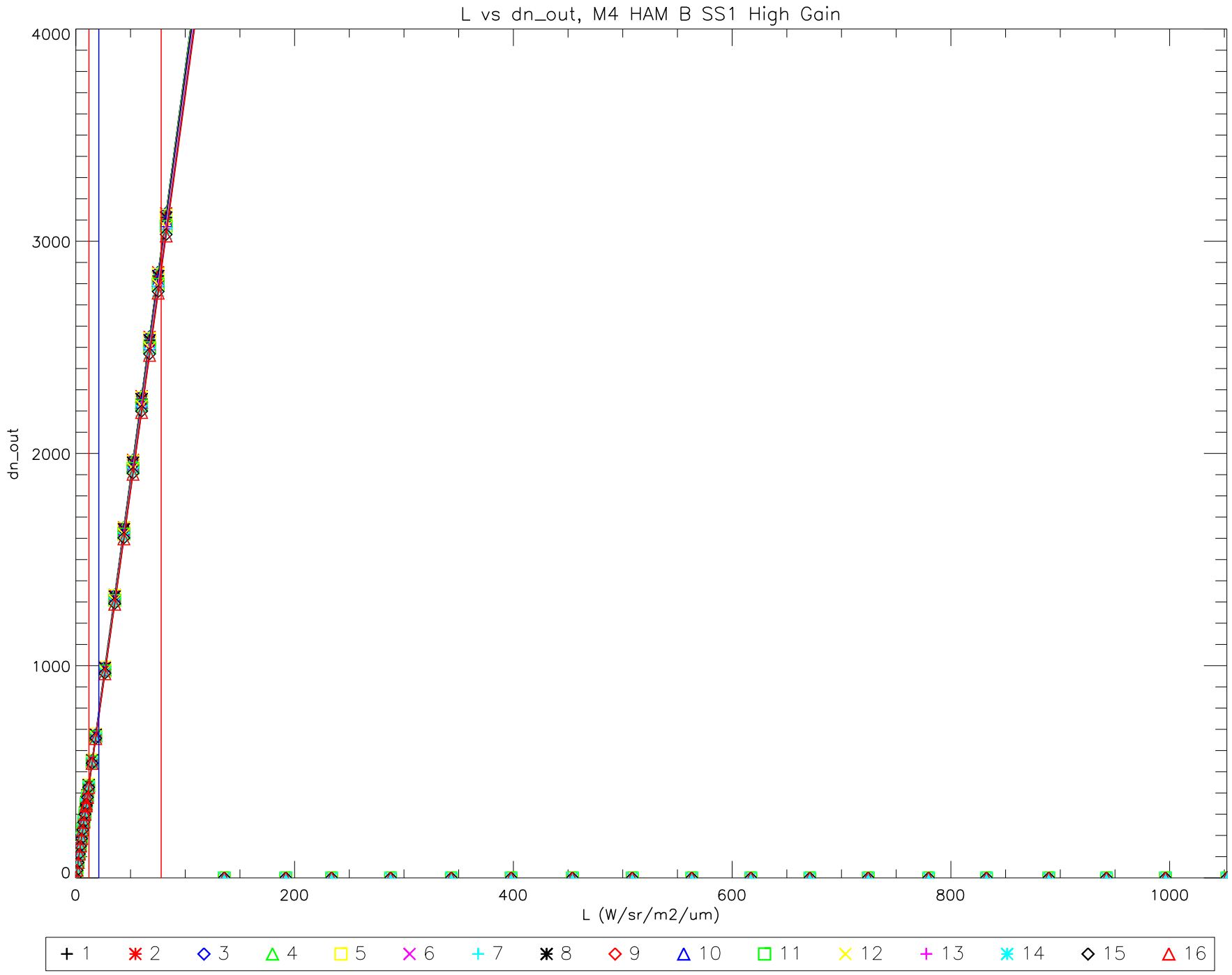
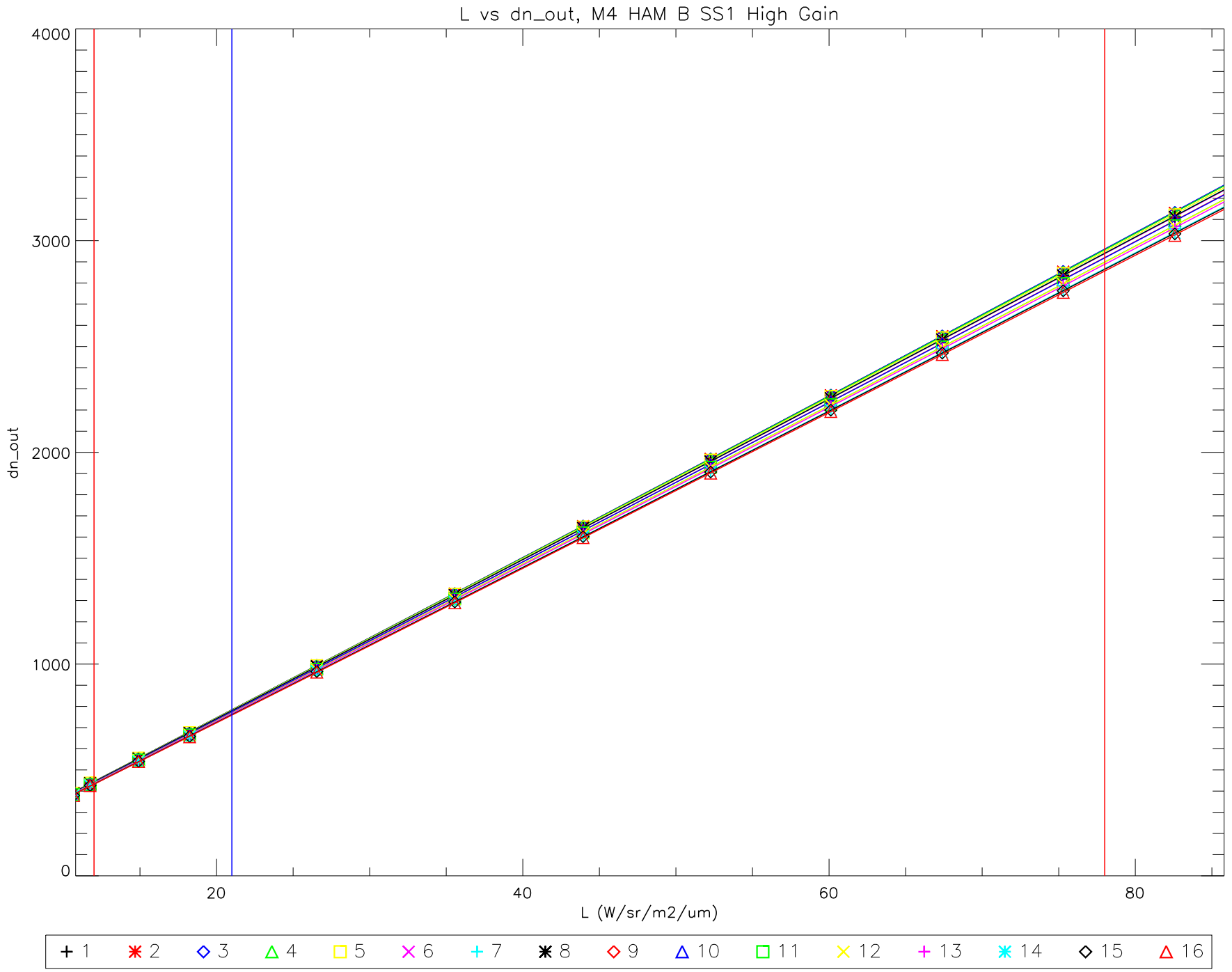
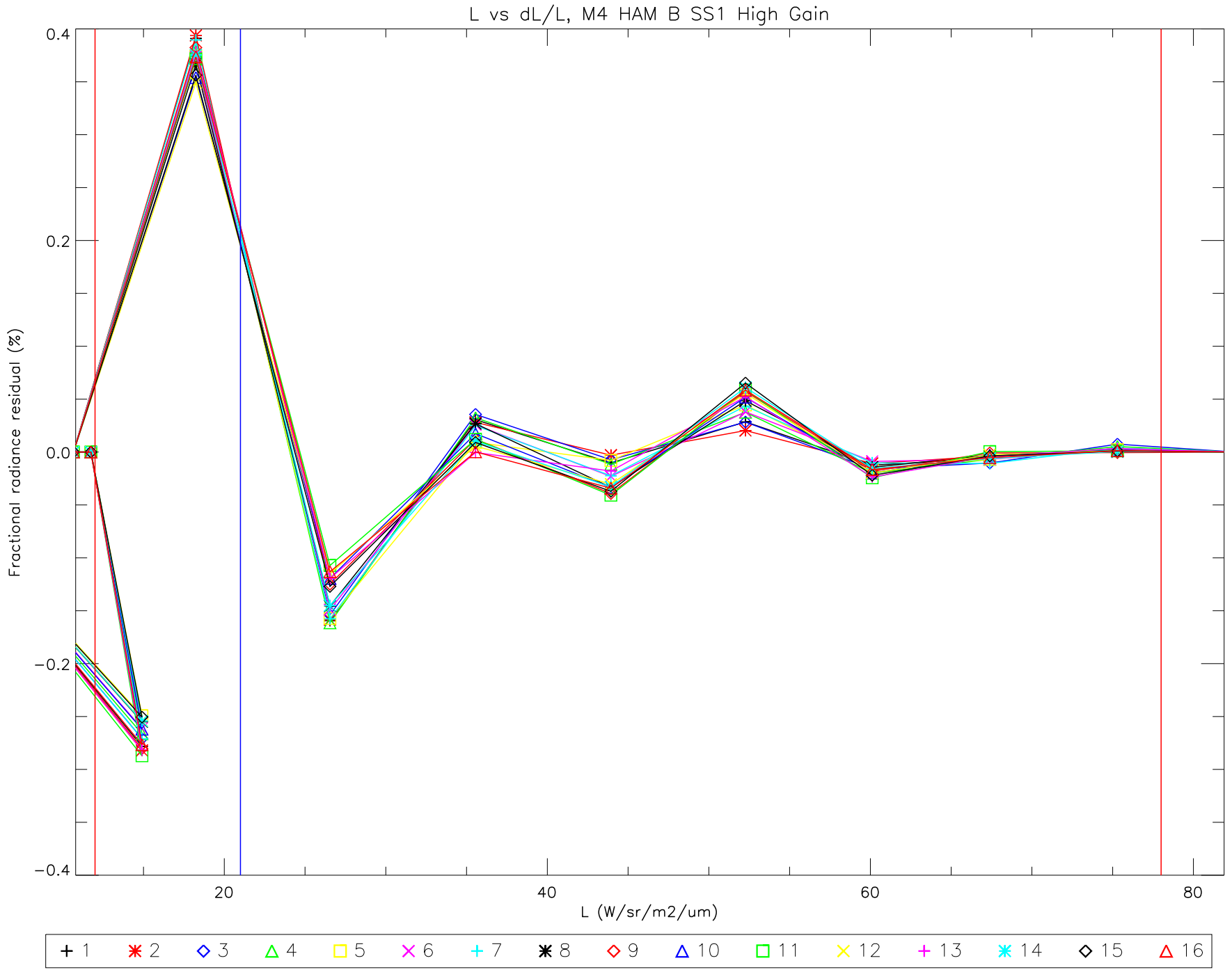
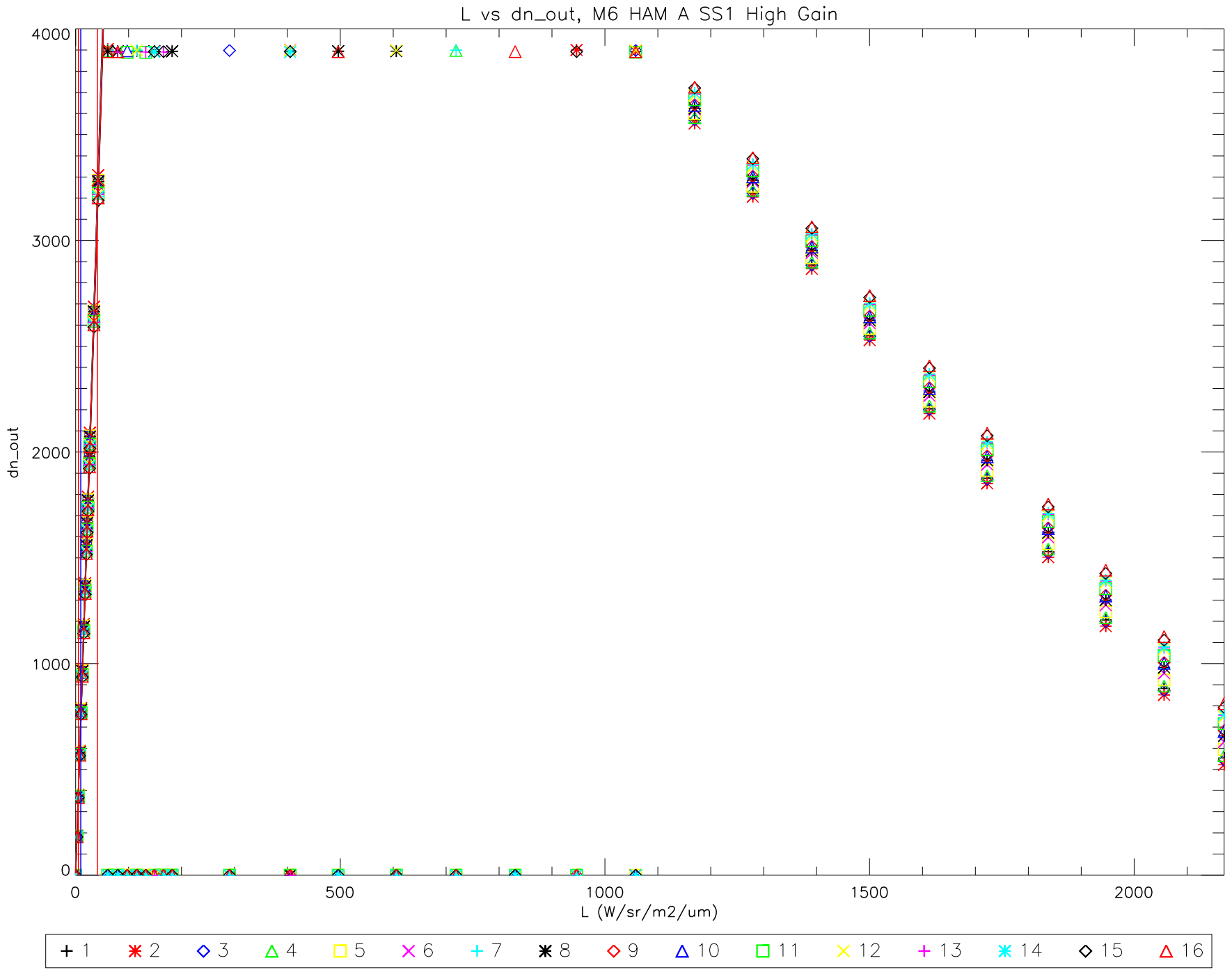
13
14
15
16

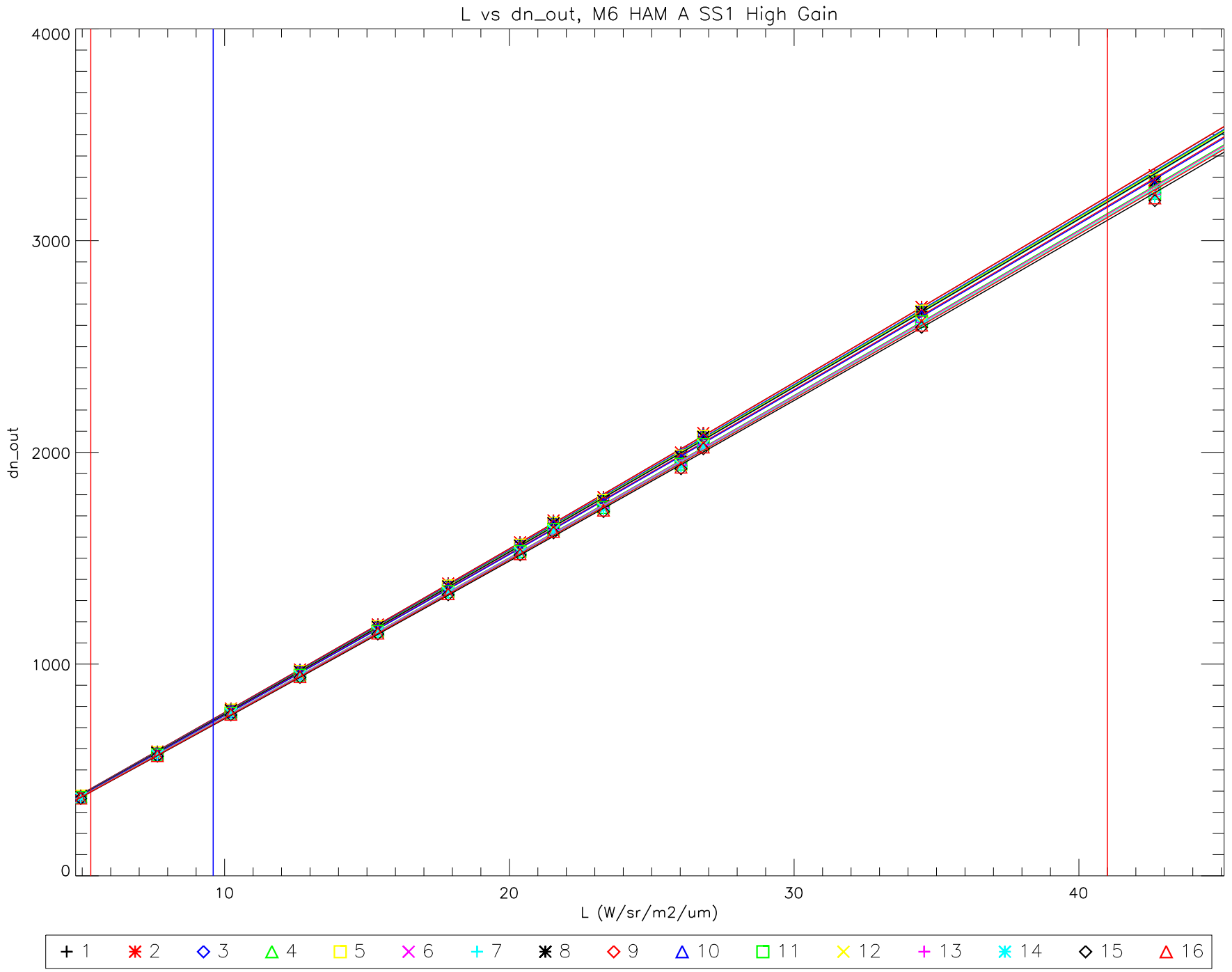

L vs dL/L, M4 HAM A SS1 High Gain
Fractional radiance residual (%)
0.4
0.2
0.0
−0.2
−0.4
20
40
60
80
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

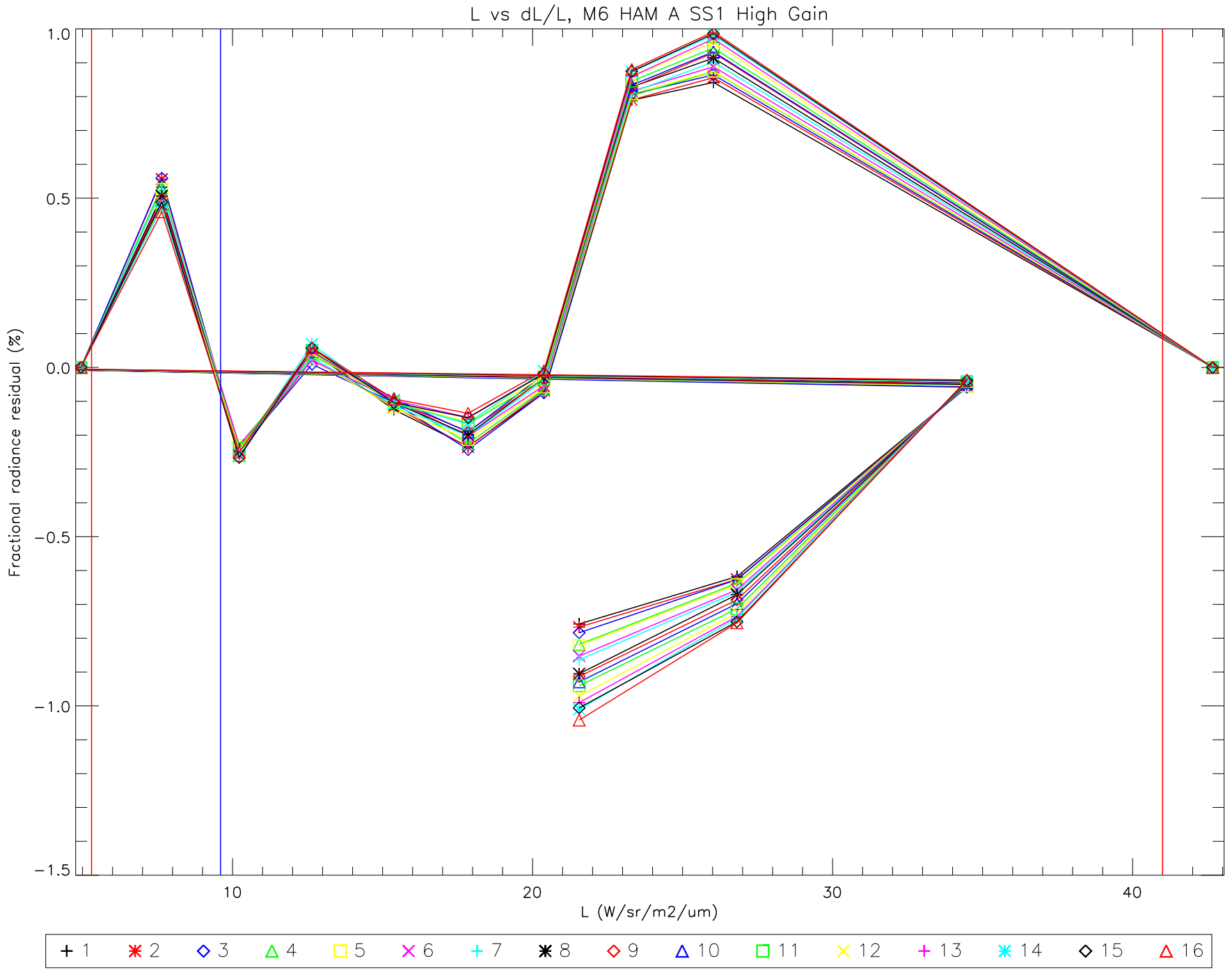

L vs dn_out, M4 HAM B SS1 High Gain
dn_out
4000
3000
2000
1000
0
0
200
400
600
800
1000
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

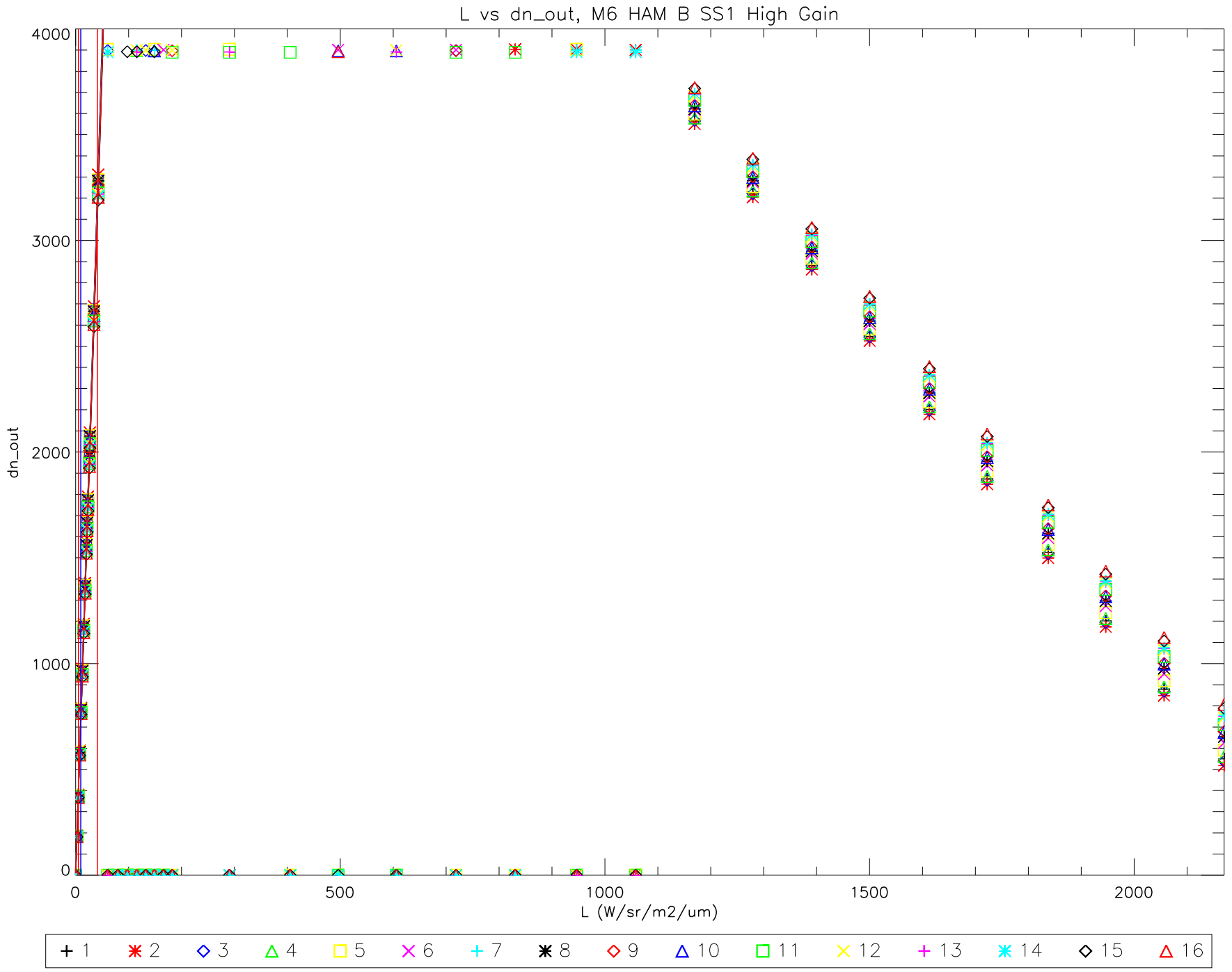

L vs dn_out, M4 HAM B SS1 High Gain
dn_out
4000
3000
2000
1000
0
20
40
60
80
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

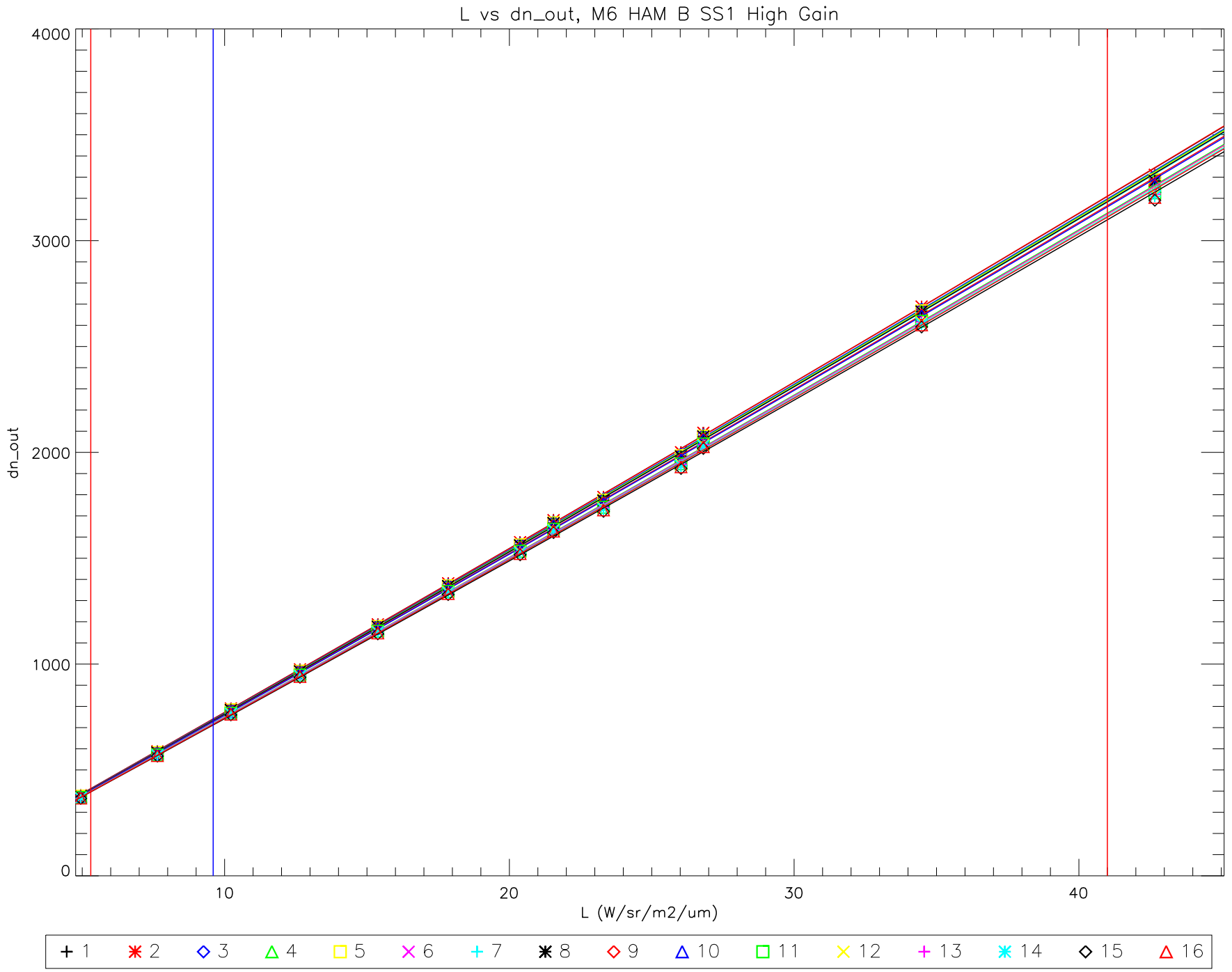

L vs dL/L, M4 HAM B SS1 High Gain
Fractional radiance residual (%)
0.4
0.2
0.0
−0.2
−0.4
20
40
60
80
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

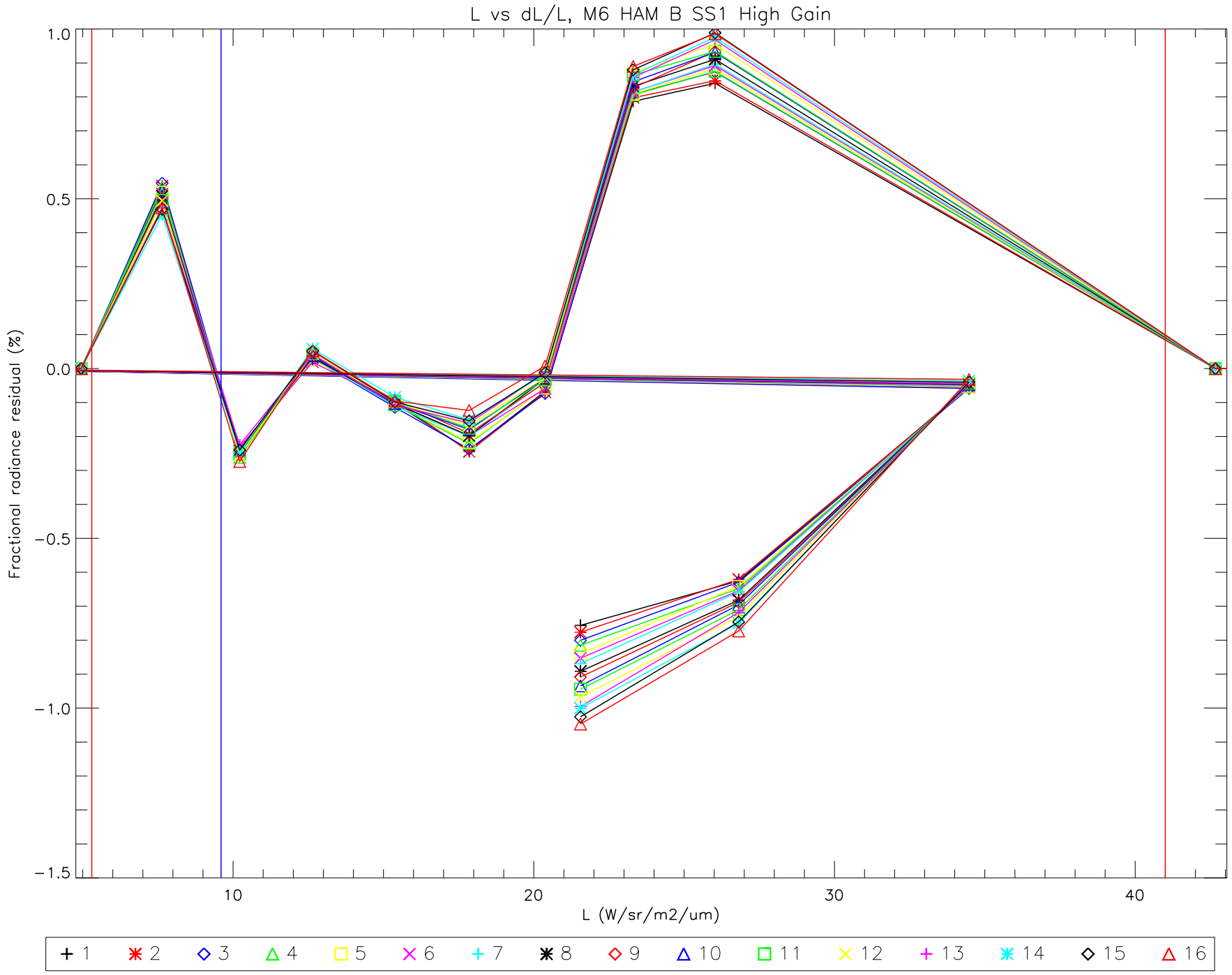

L vs dn_out, M6 HAM A SS1 High Gain
dn_out
L (W/sr/m2/um)
0
1000
2000
3000
4000
0
500
1000
1500
2000
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

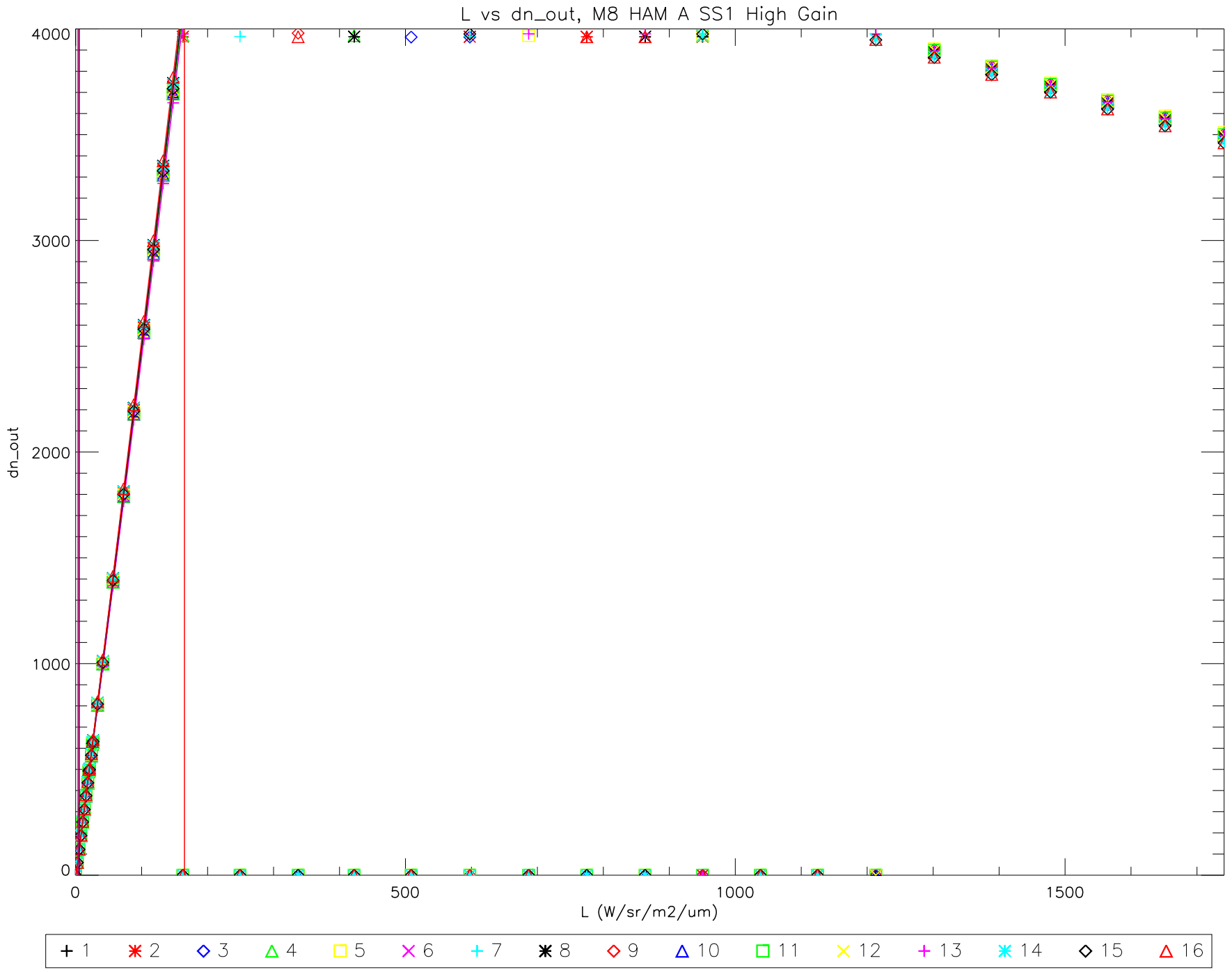

L vs dn_out, M6 HAM A SS1 High Gain
dn_out
4000
3000
2000
1000
0
10
20
30
40
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

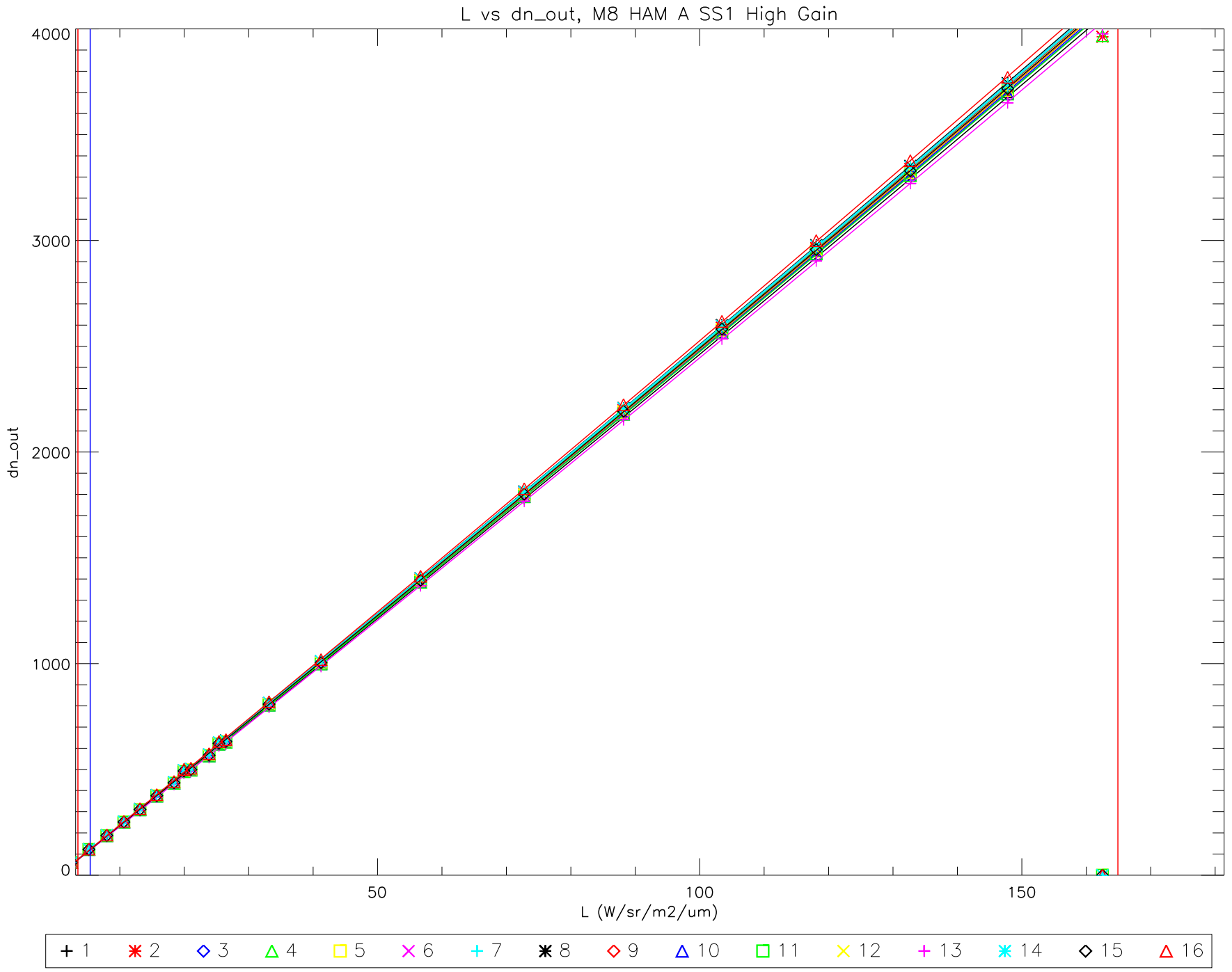

L vs dL/L, M6 HAM A SS1 High Gain
Fractional radiance residual (%)
1.0
0.5
0.0
−0.5
−1.0
−1.5
10
20
30
40
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16


L vs dn_out, M6 HAM B SS1 High Gain
dn_out
L (W/sr/m2/um)
0
1000
2000
3000
4000
0
500
1000
1500
2000
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16


L vs dn_out, M6 HAM B SS1 High Gain
dn_out
4000
3000
2000
1000
0
10
20
30
40
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16


L vs dL/L, M6 HAM B SS1 High Gain
Fractional radiance residual (%)
1.0
0.5
0.0
−0.5
−1.0
−1.5
10
20
30
40
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16


L vs dn_out, M8 HAM A SS1 High Gain
dn_out
4000
3000
2000
1000
0
0
500
1000
1500
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16


L vs dn_out, M8 HAM A SS1 High Gain
dn_out
4000
3000
2000
1000
0
50
100
150
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
11
12
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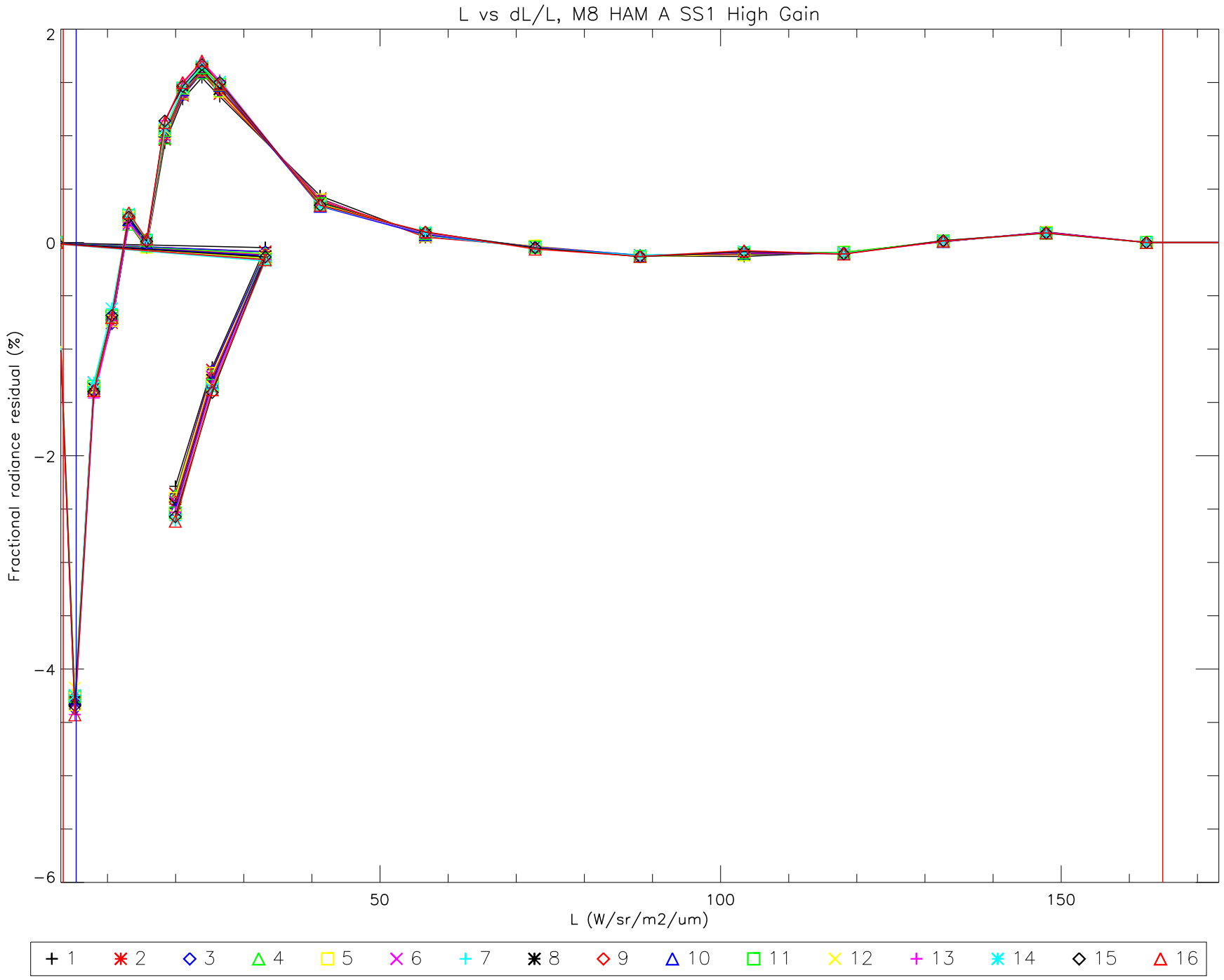
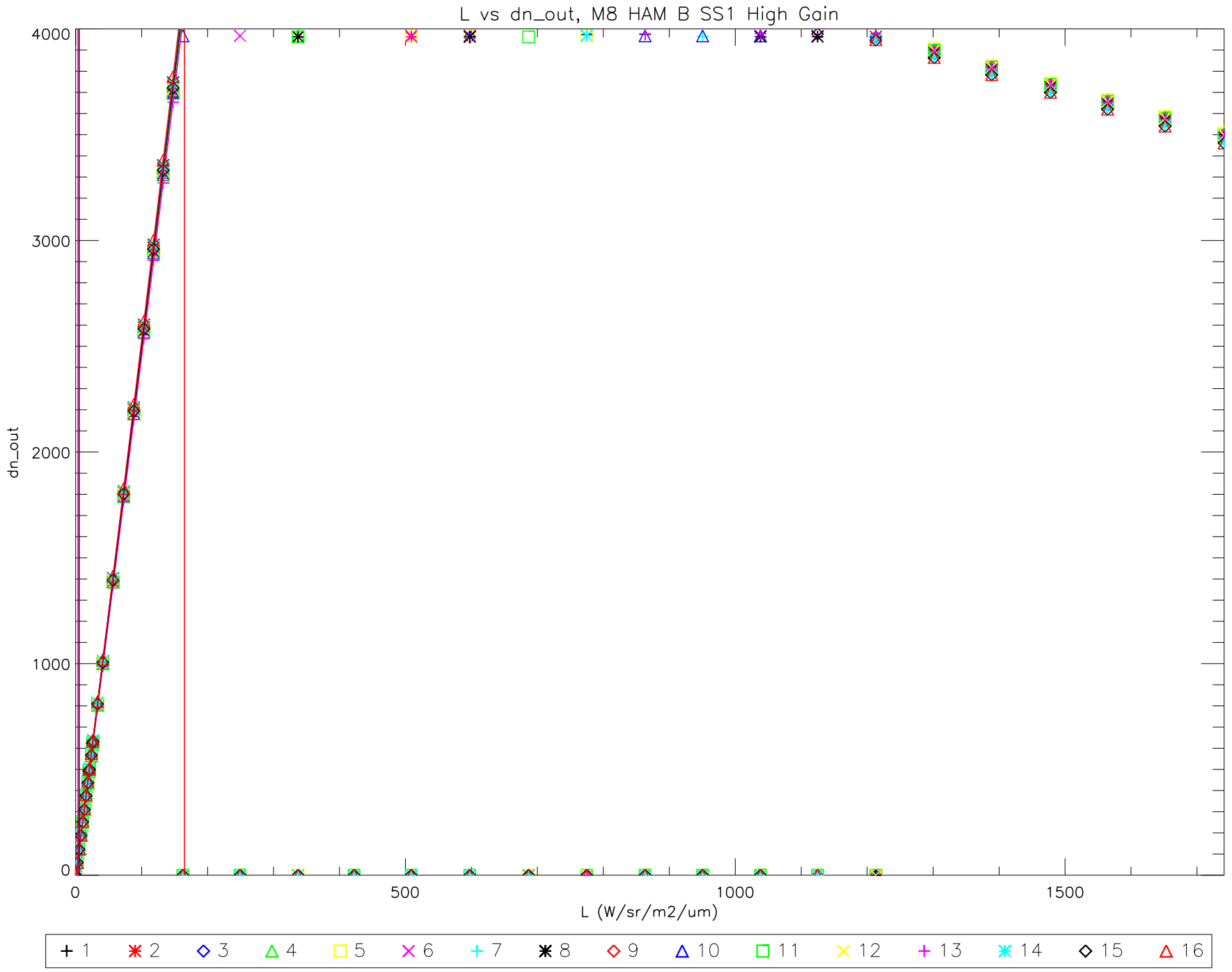
14
15
16


L vs dL/L, M8 HAM A SS1 High Gain
Fractional radiance residual (%)
2
0
−2
−4
−6
50
100
150
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16


L vs dn_out, M8 HAM B SS1 High Gain
dn_out
4000
3000
2000
1000
0
0
500
1000
1500
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
11
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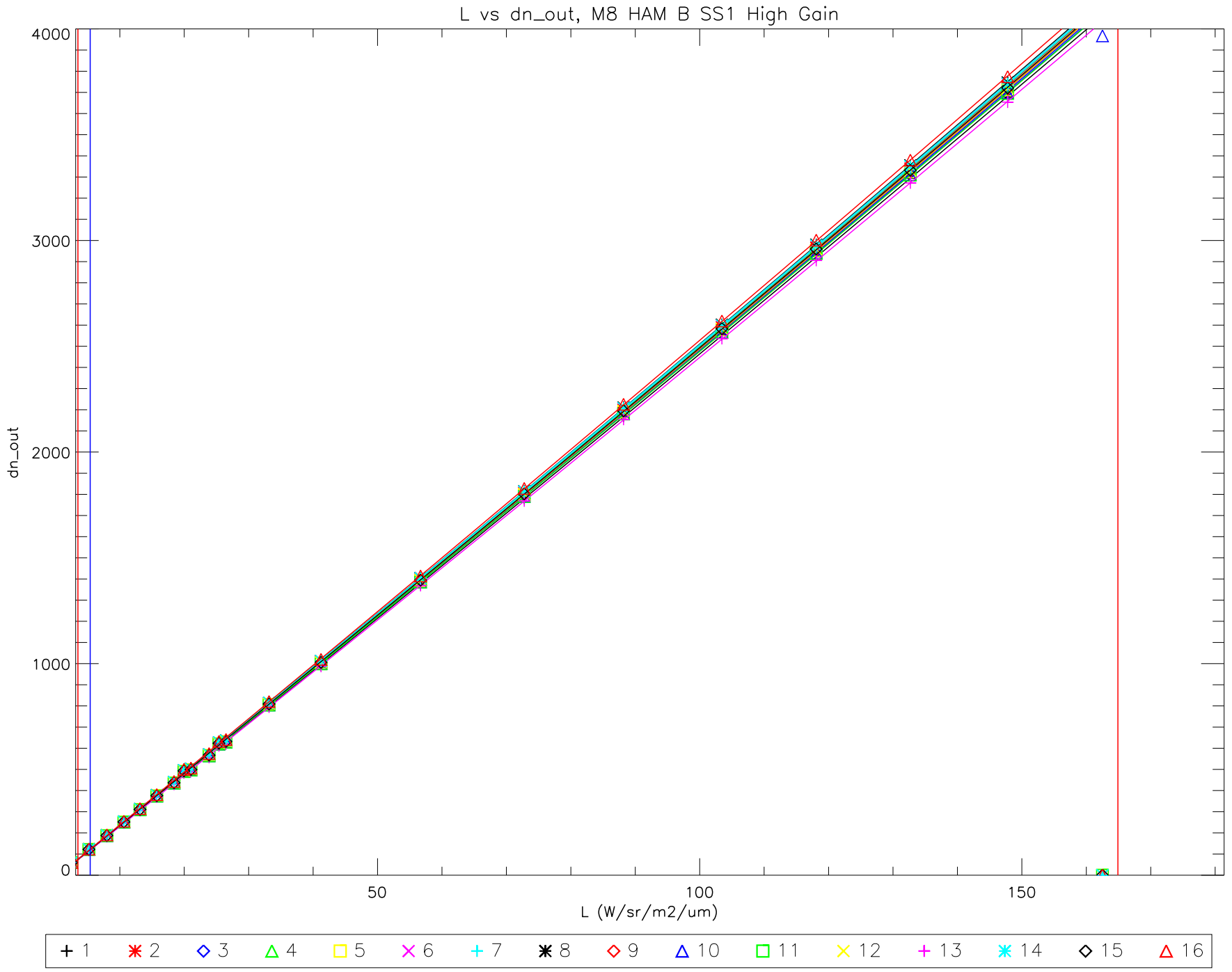
15
16


L vs dn_out, M8 HAM B SS1 High Gain
dn_out
4000
3000
2000
1000
0
50
100
150
L (W/sr/m2/um)
1
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6
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11
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14
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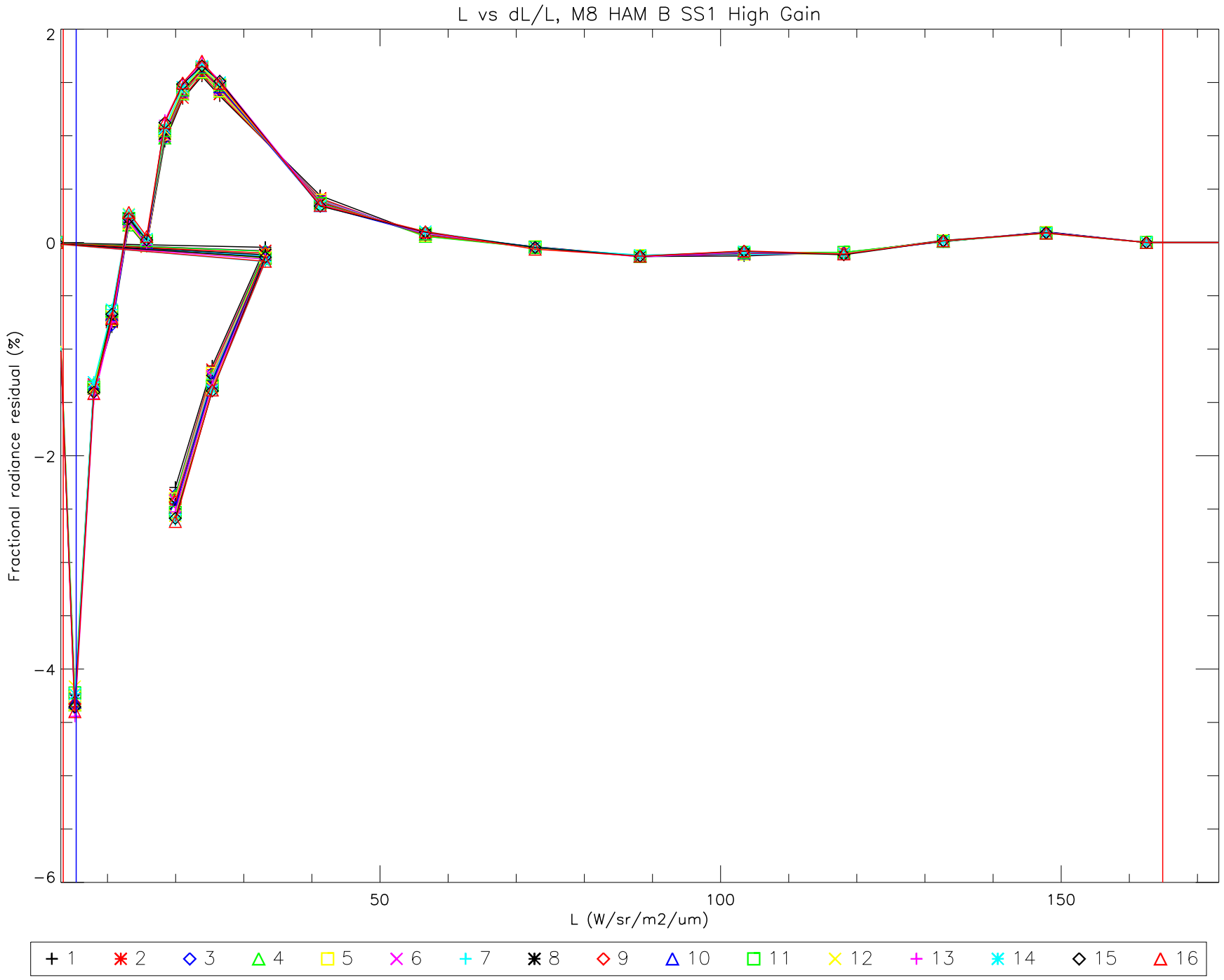
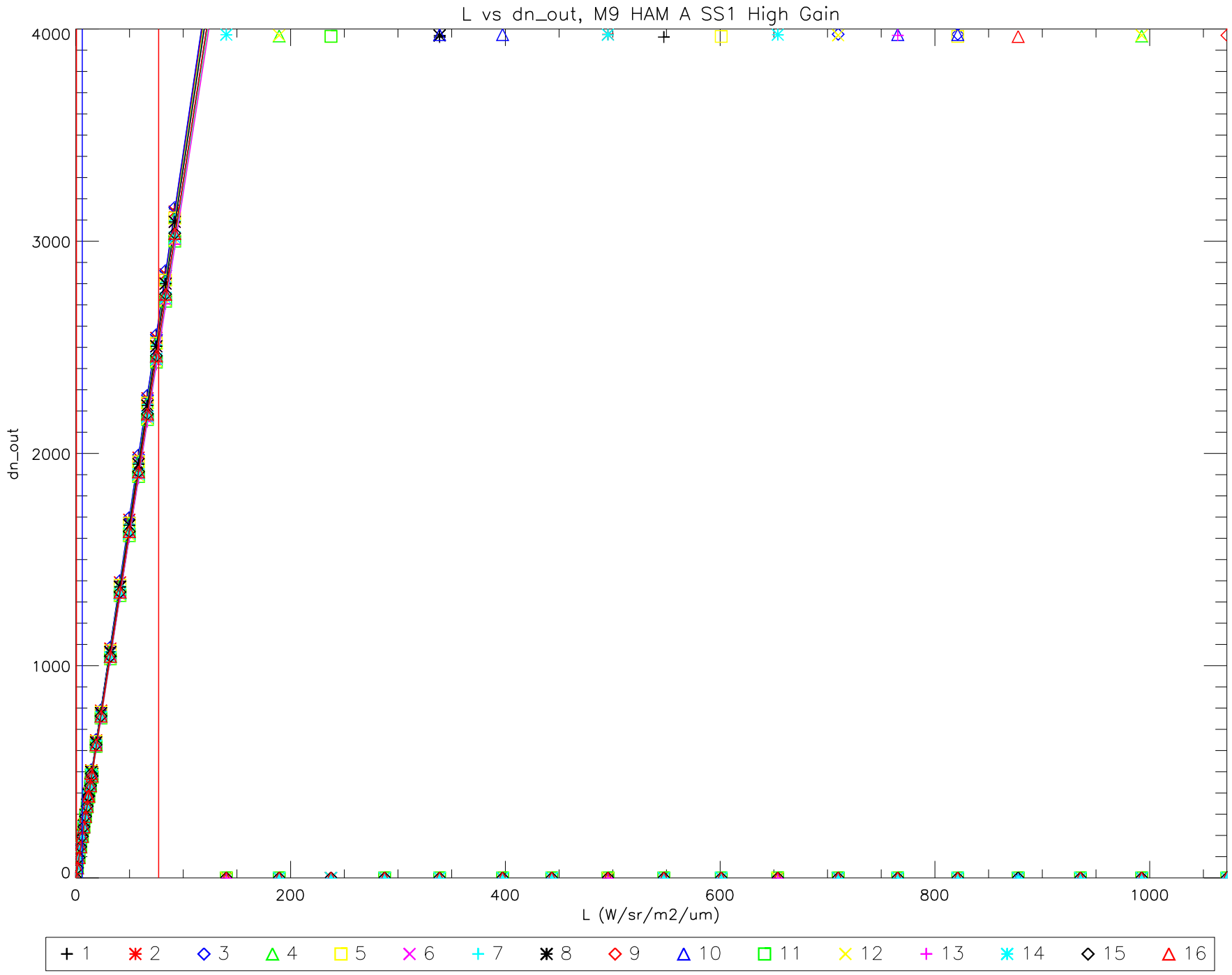
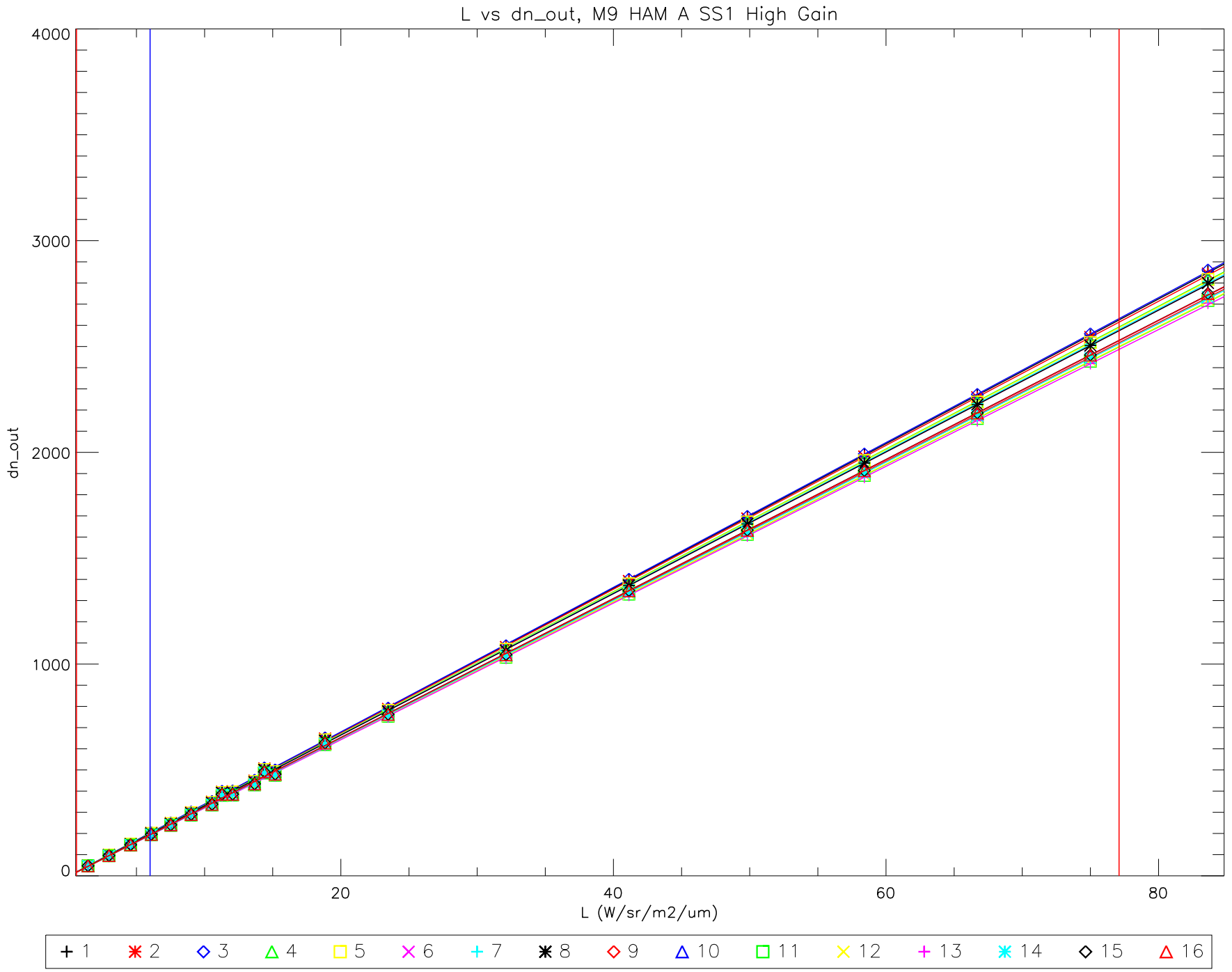
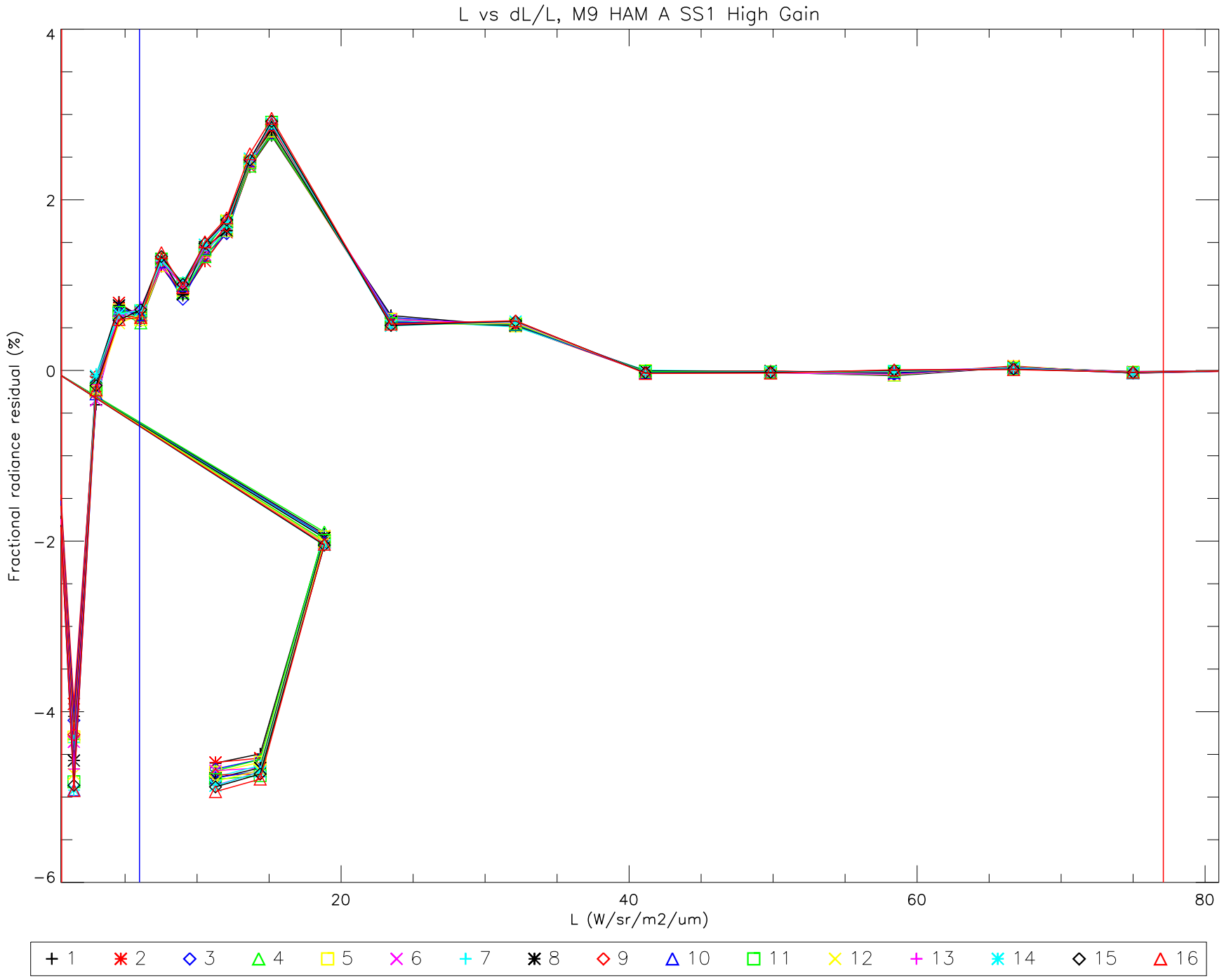
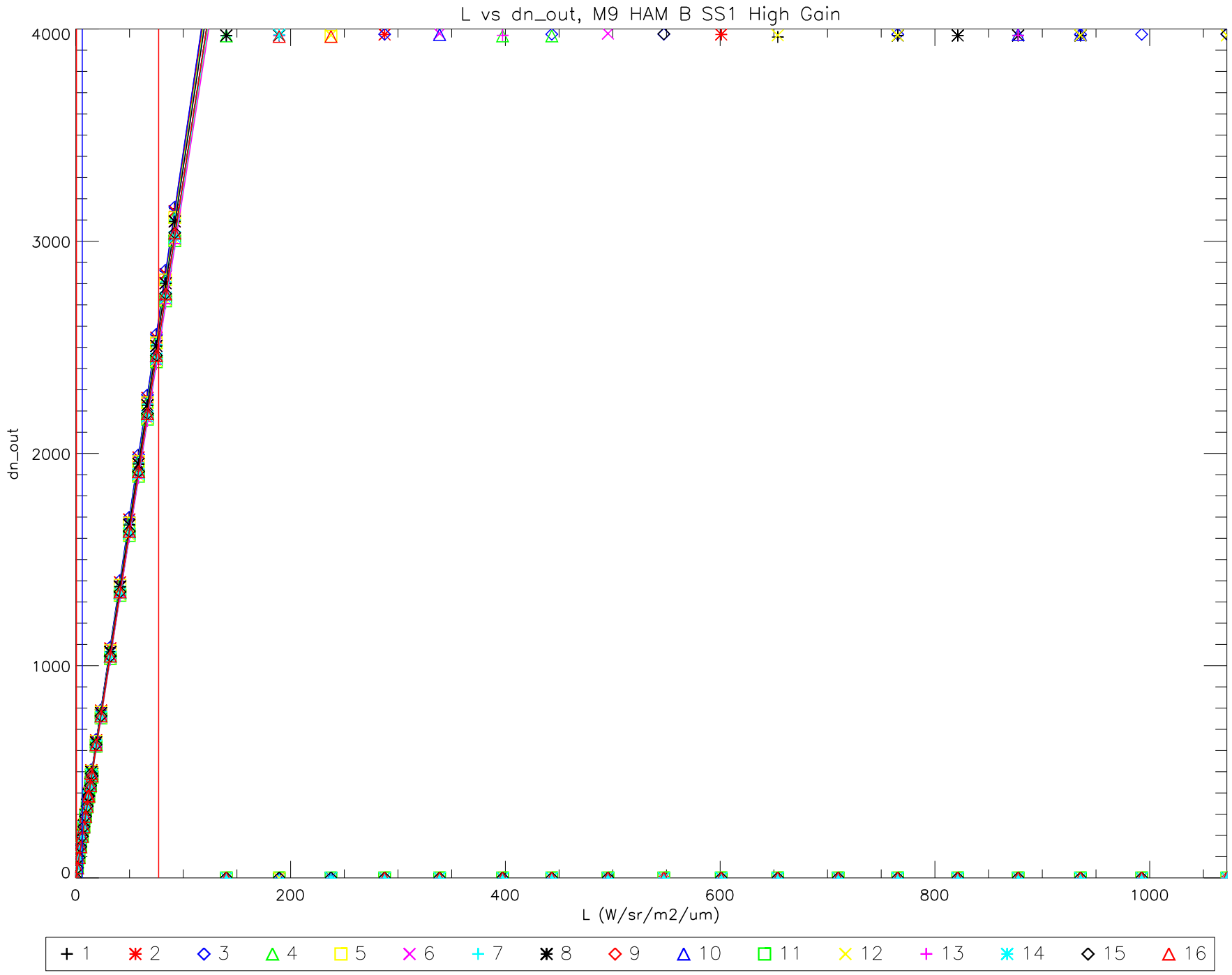
16

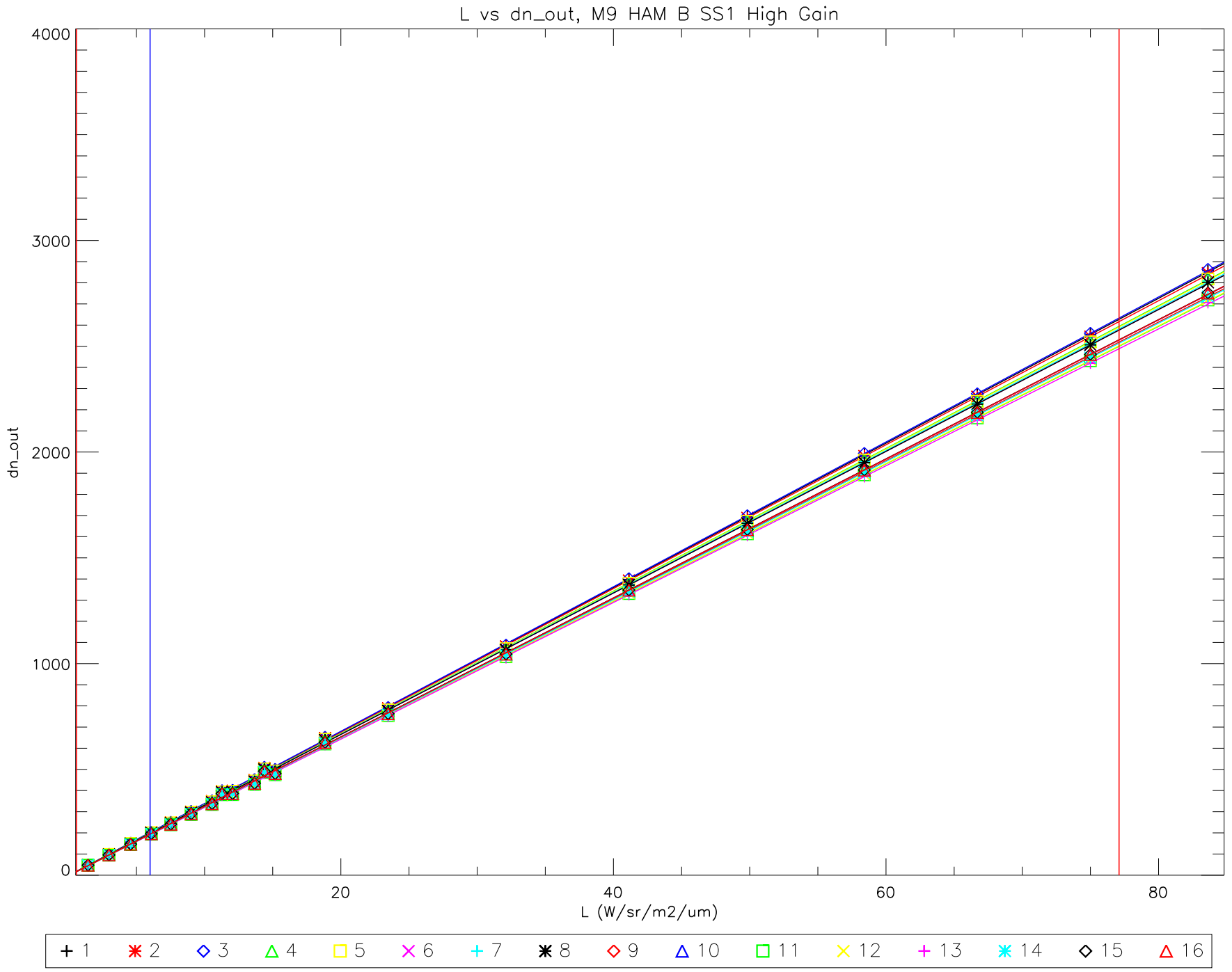

L vs dL/L, M8 HAM B SS1 High Gain
Fractional radiance residual (%)
2
0
−2
−4
−6
50
100
150
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

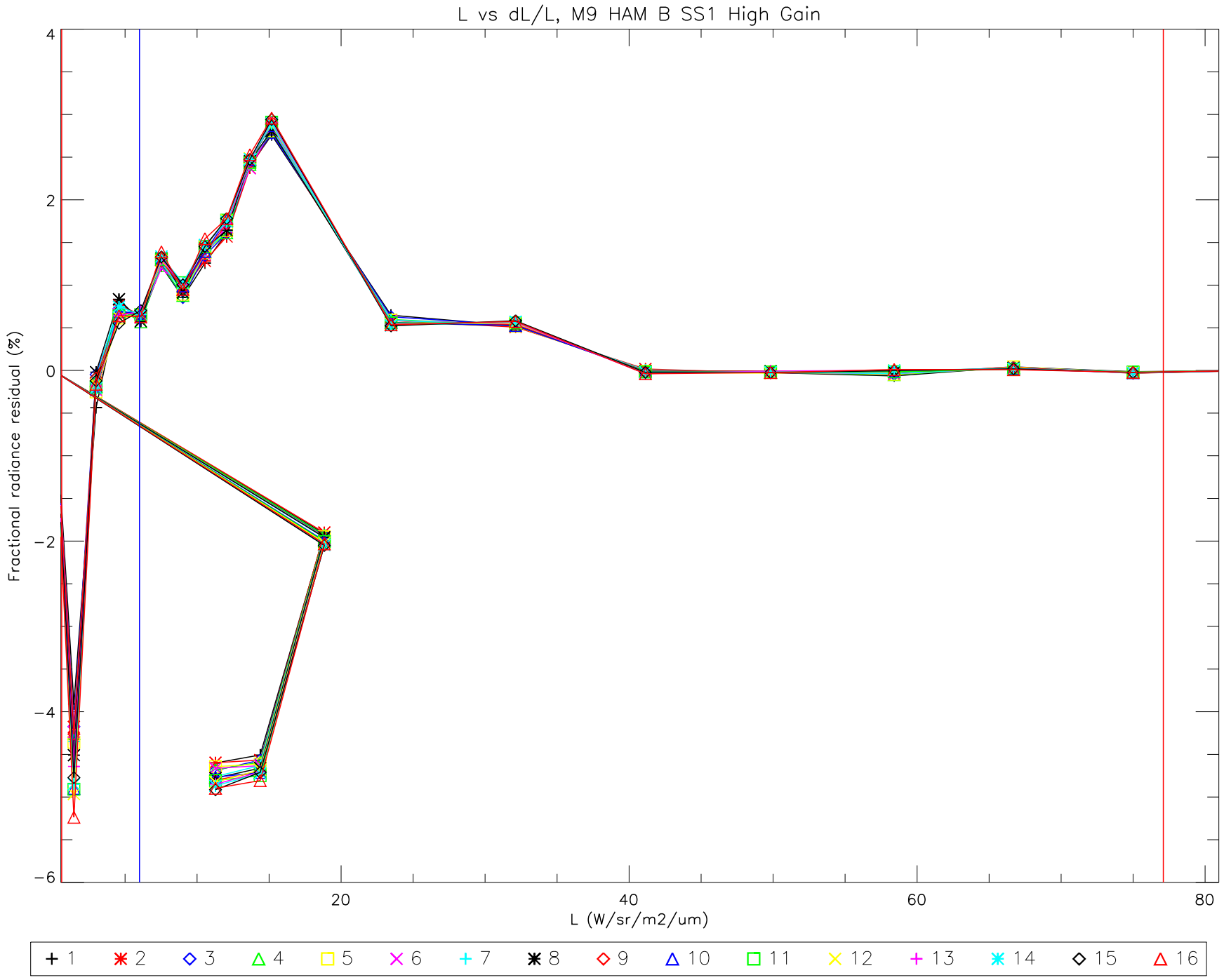

L vs dn_out, M9 HAM A SS1 High Gain
dn_out
4000
3000
2000
1000
0
0
200
400
600
800
1000
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

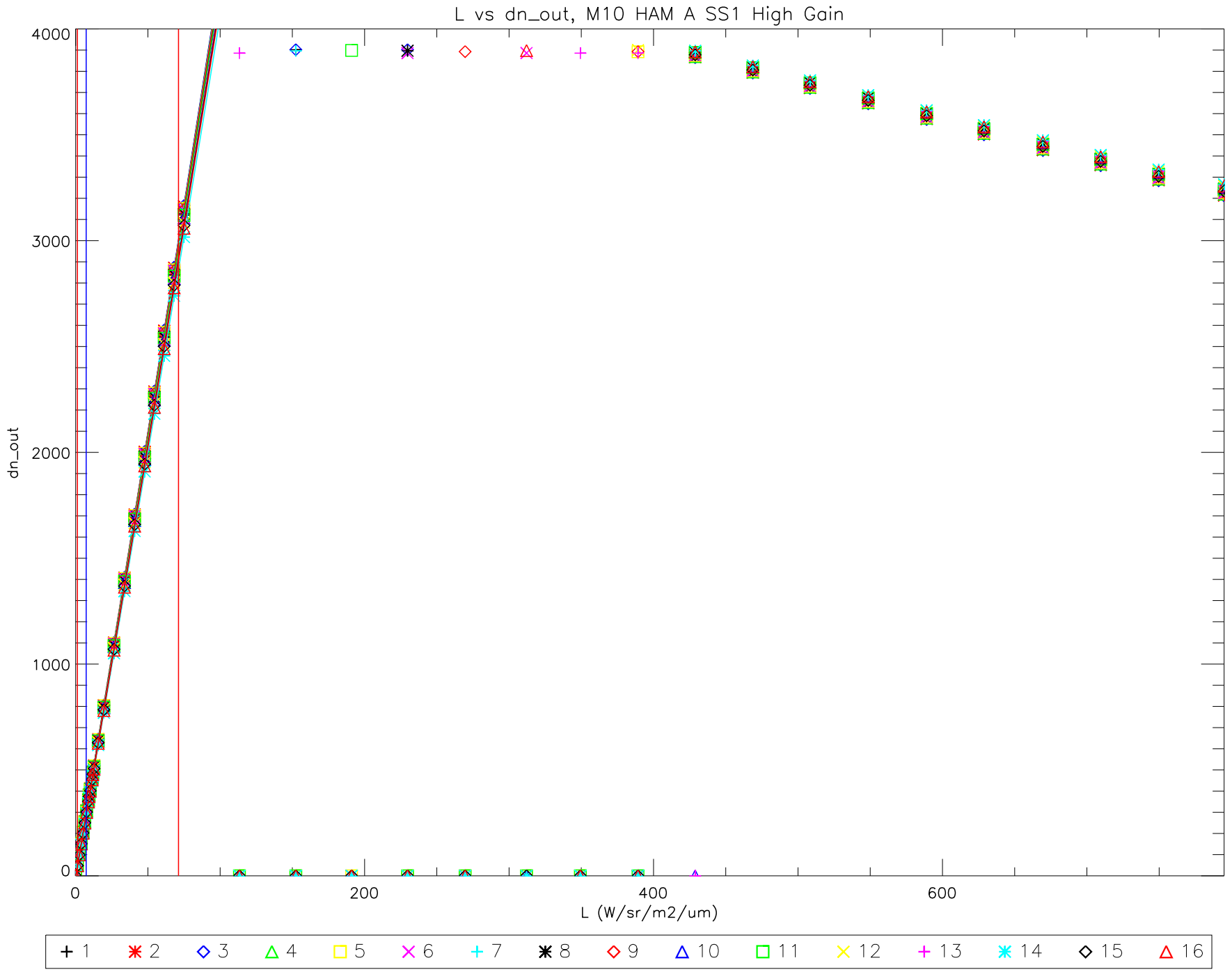

L vs dn_out, M9 HAM A SS1 High Gain
dn_out
4000
3000
2000
1000
0
20
40
60
80
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

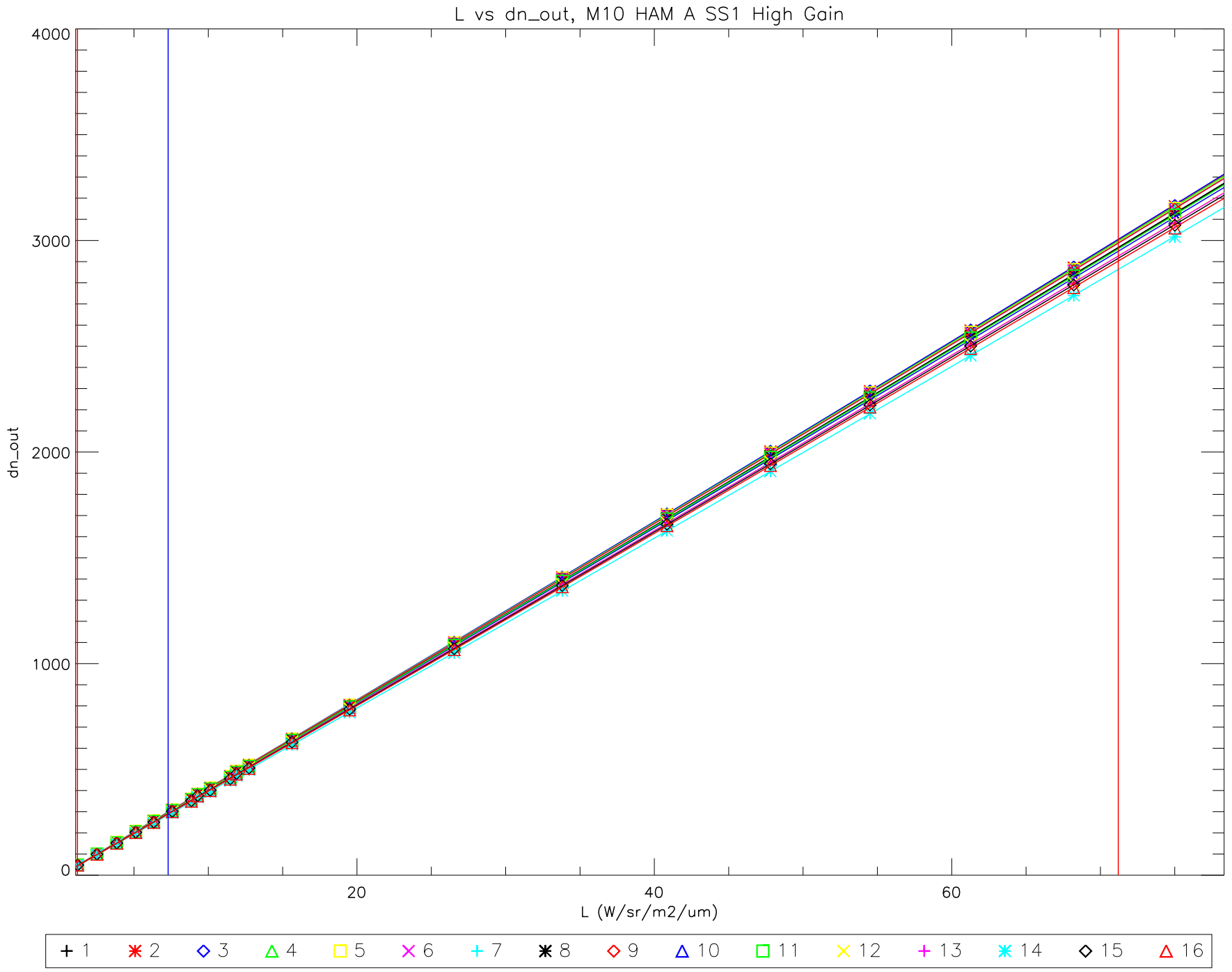

L vs dL/L, M9 HAM A SS1 High Gain
Fractional radiance residual (%)
4
2
0
−2
−4
−6
20
40
60
80
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

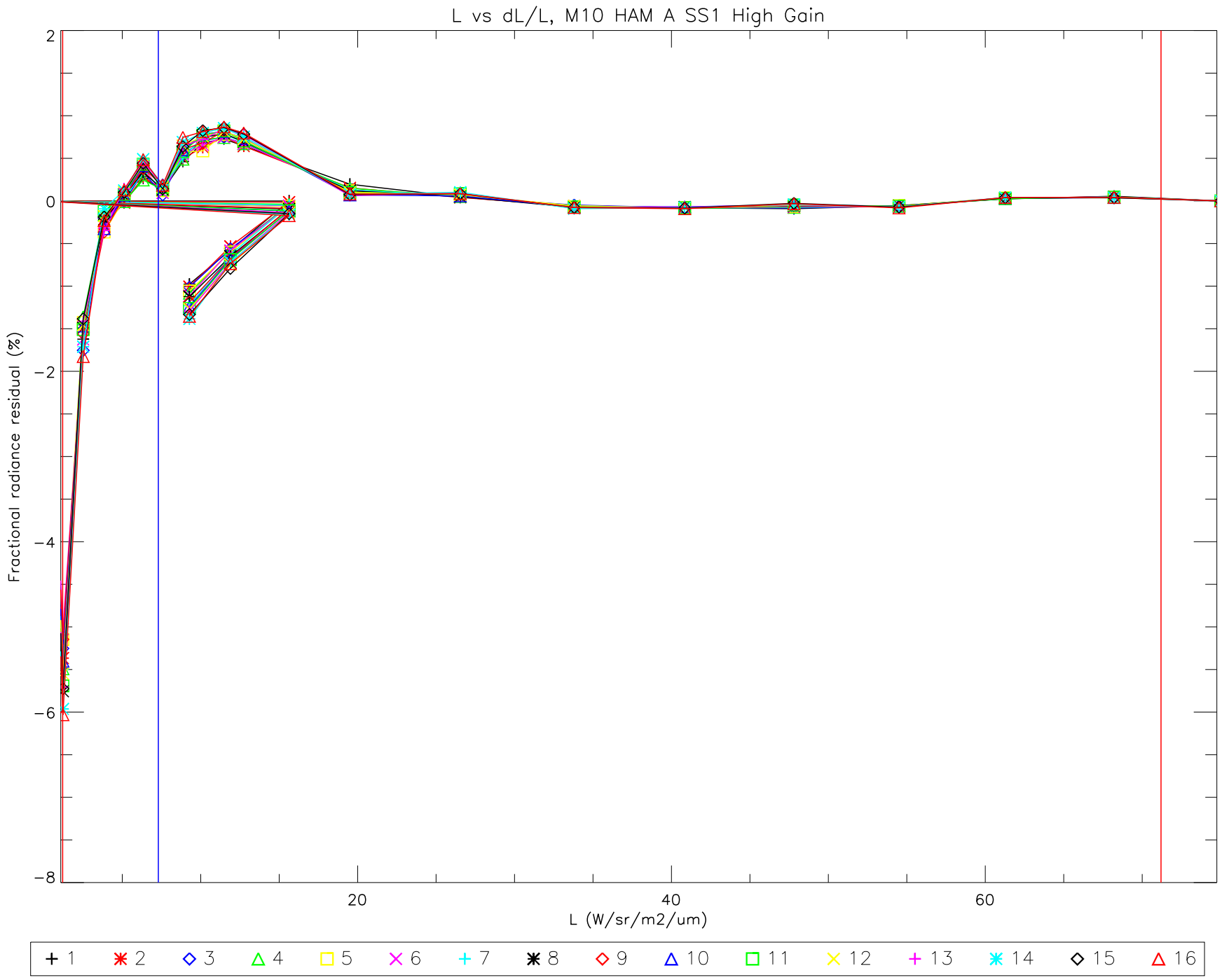

L vs dn_out, M9 HAM B SS1 High Gain
dn_out
4000
3000
2000
1000
0
0
200
400
600
800
1000
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

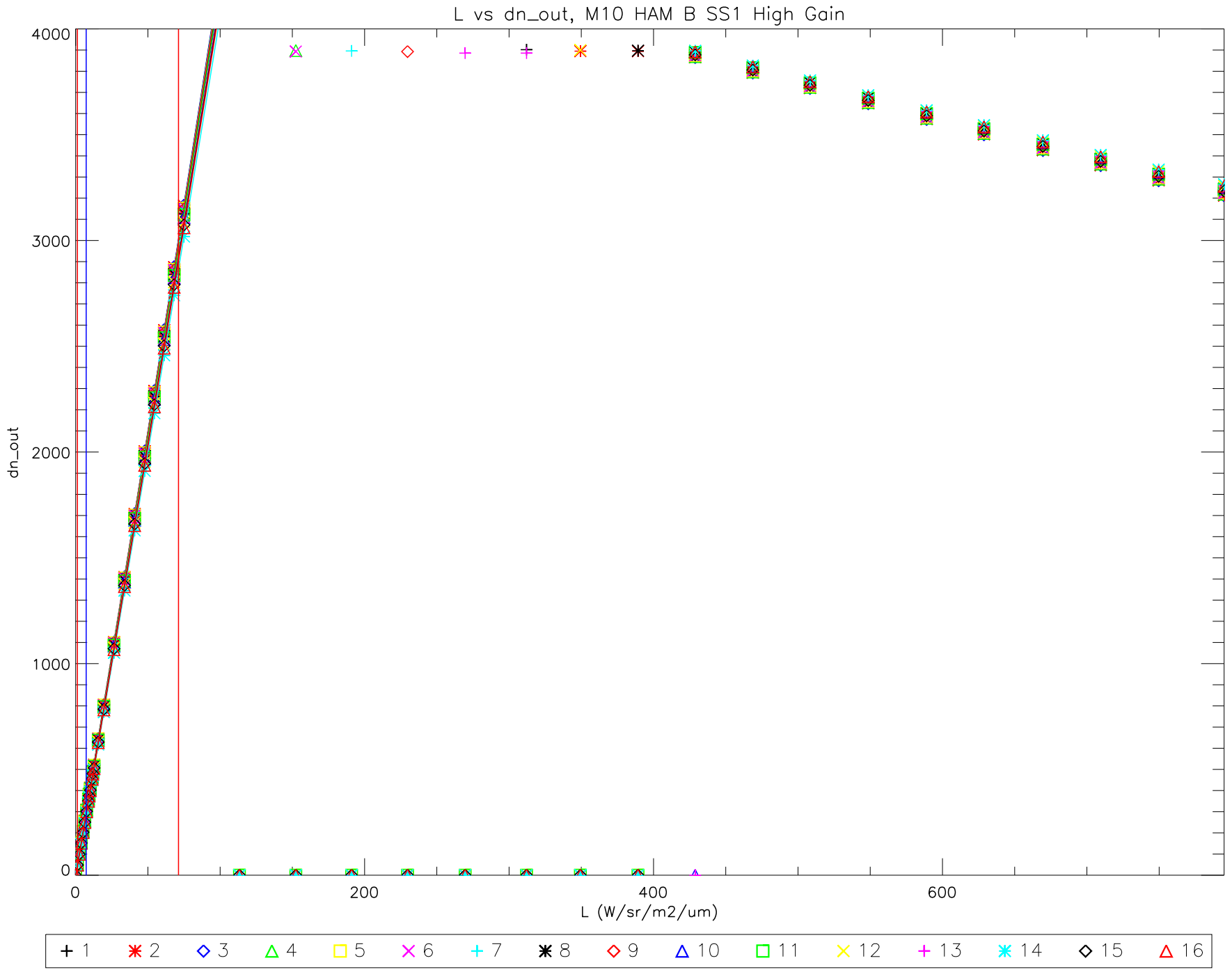

L vs dn_out, M9 HAM B SS1 High Gain
dn_out
4000
3000
2000
1000
0
20
40
60
80
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

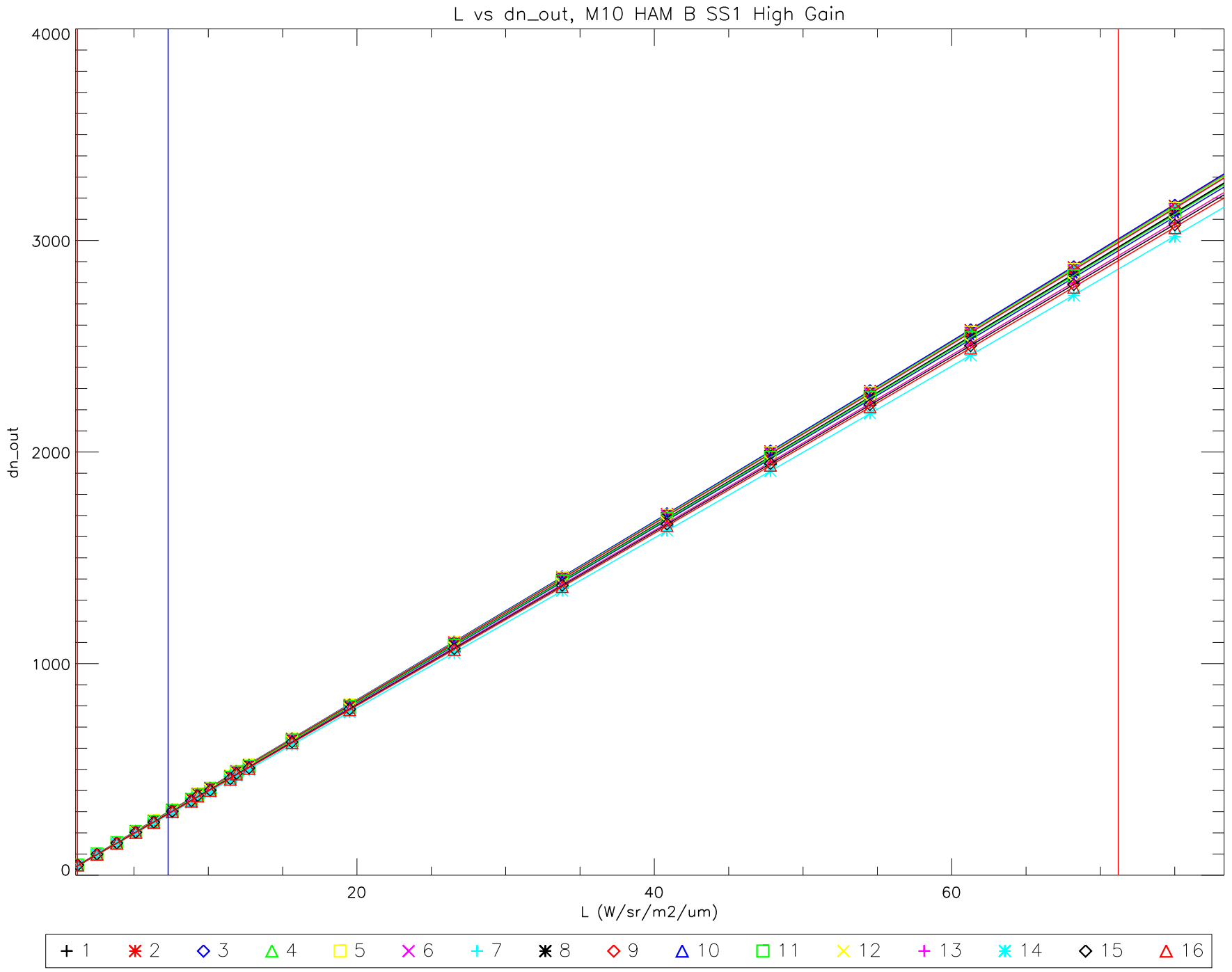

L vs dL/L, M9 HAM B SS1 High Gain
Fractional radiance residual (%)
4
2
0
−2
−4
−6
20
40
60
80
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

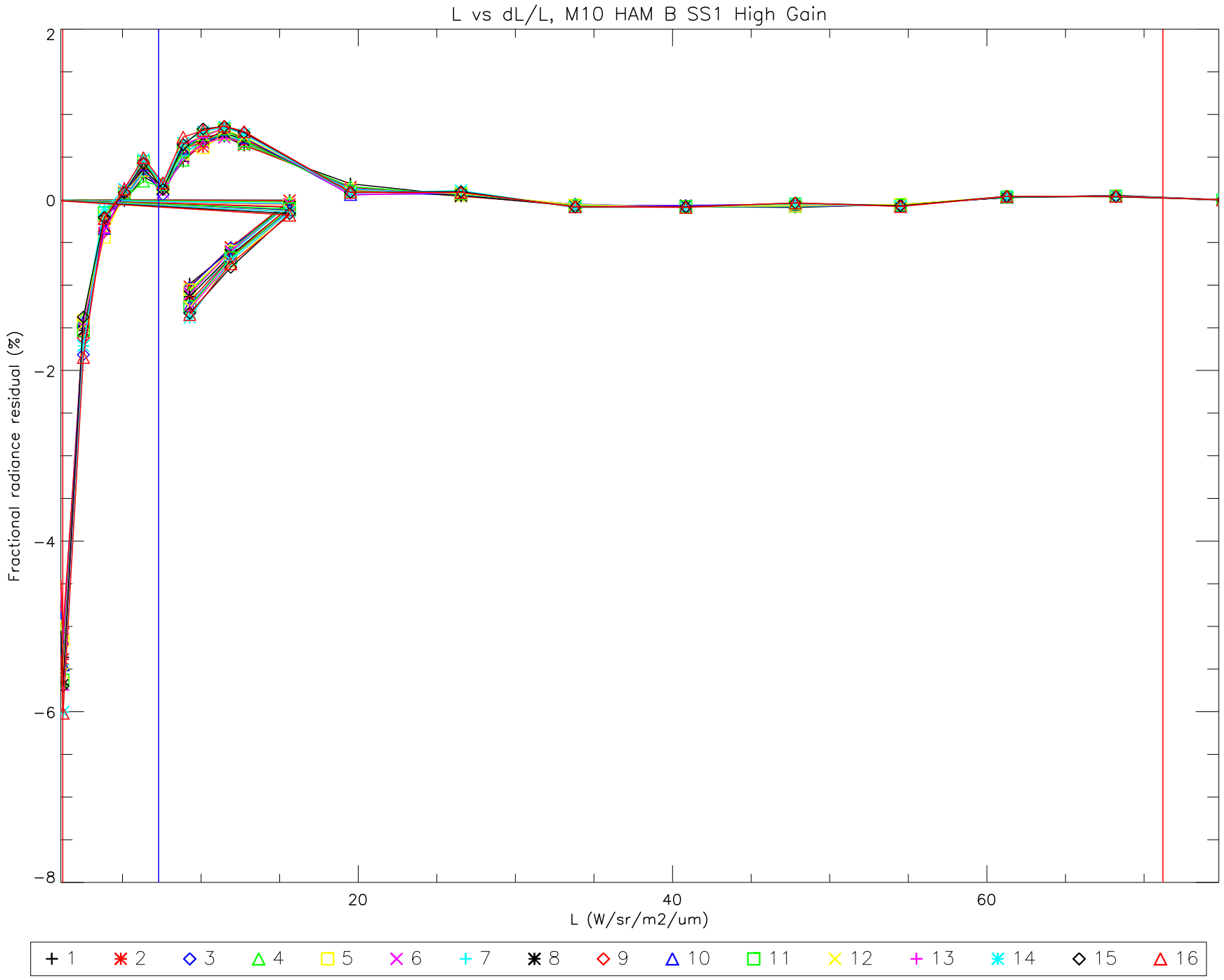

L vs dn_out, M10 HAM A SS1 High Gain
dn_out
4000
3000
2000
1000
0
0
200
400
600
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

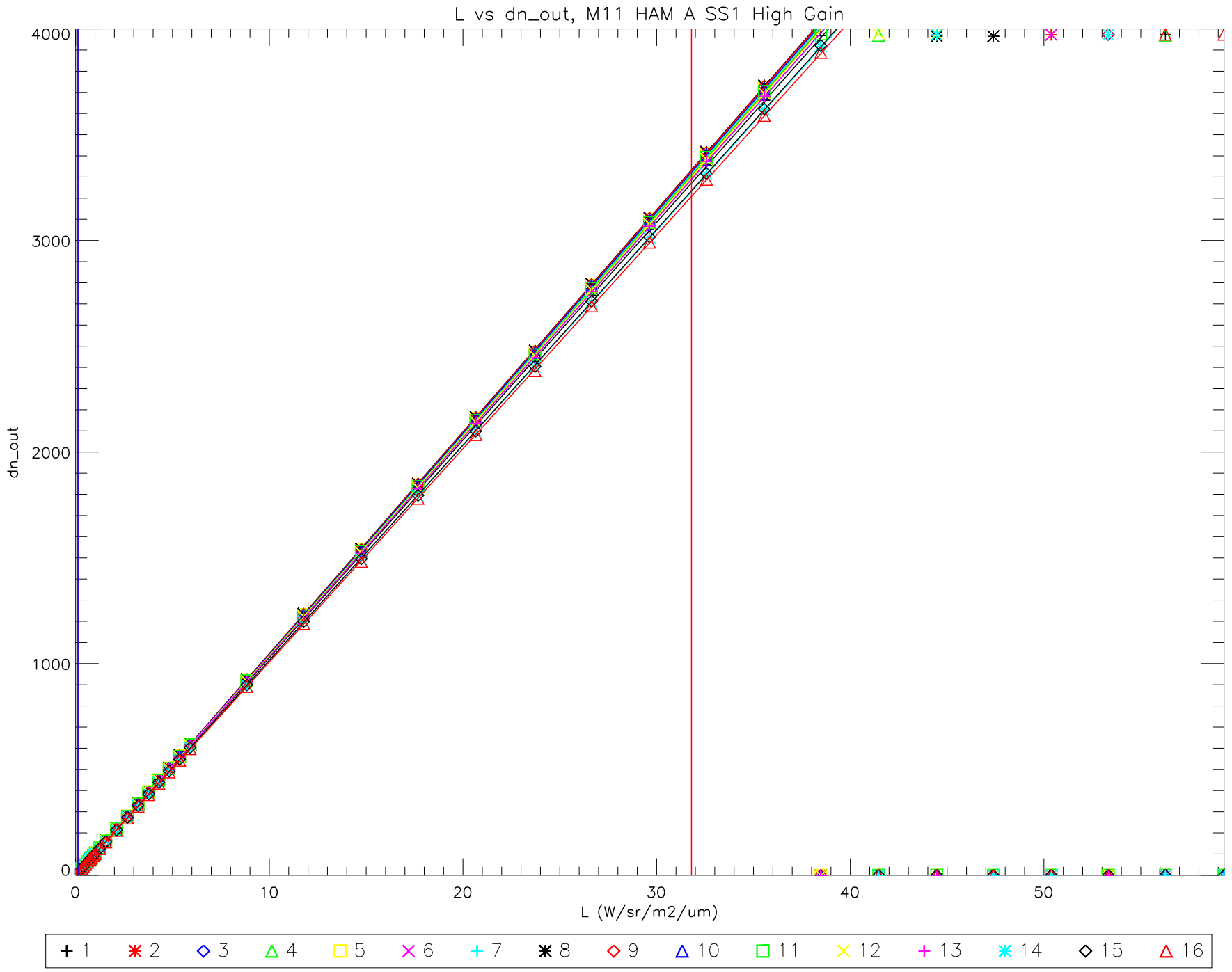

L vs dn_out, M10 HAM A SS1 High Gain
dn_out
4000
3000
2000
1000
0
20
40
60
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

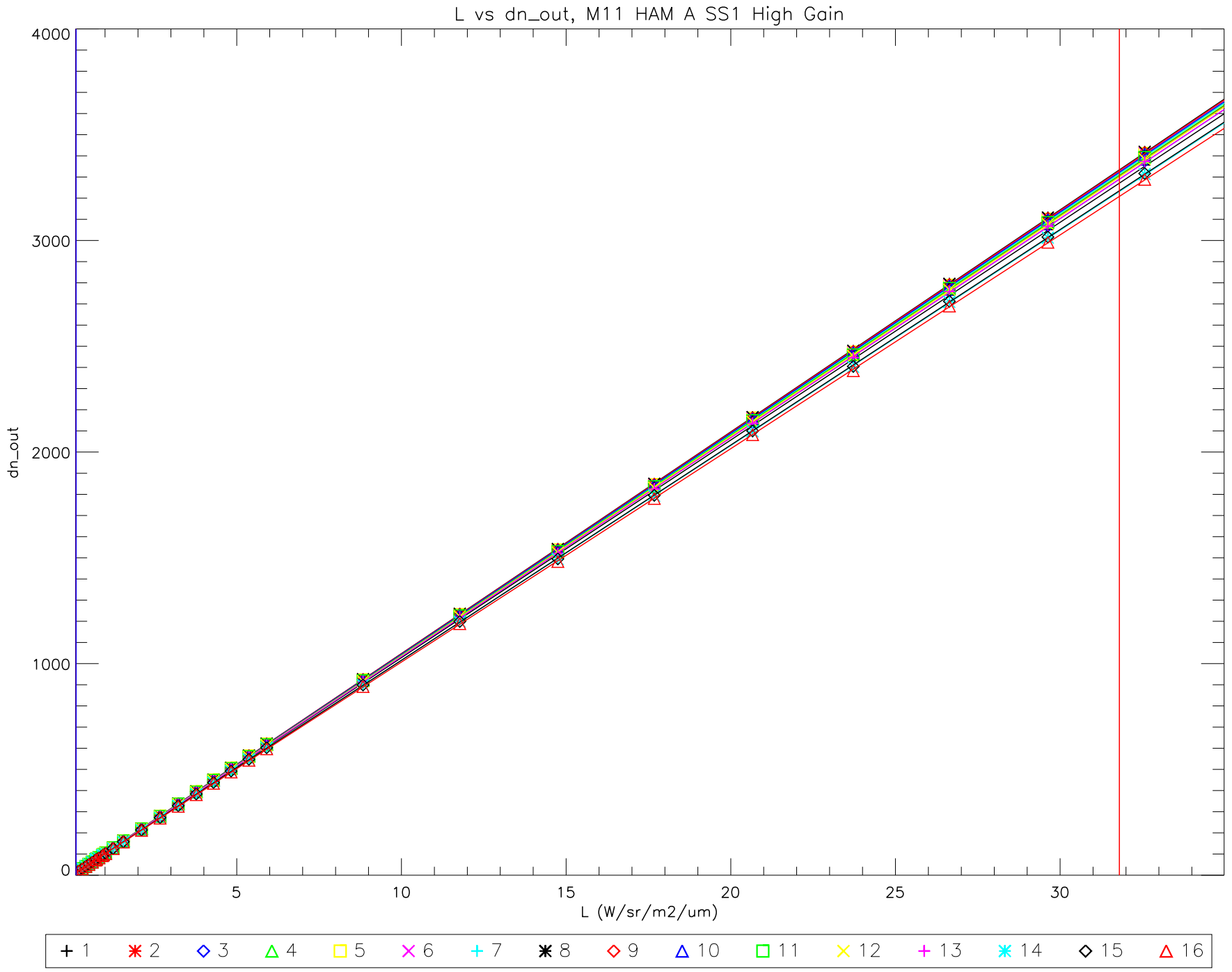

L vs dL/L, M10 HAM A SS1 High Gain
Fractional radiance residual (%)
2
0
−2
−4
−6
−8
20
40
60
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

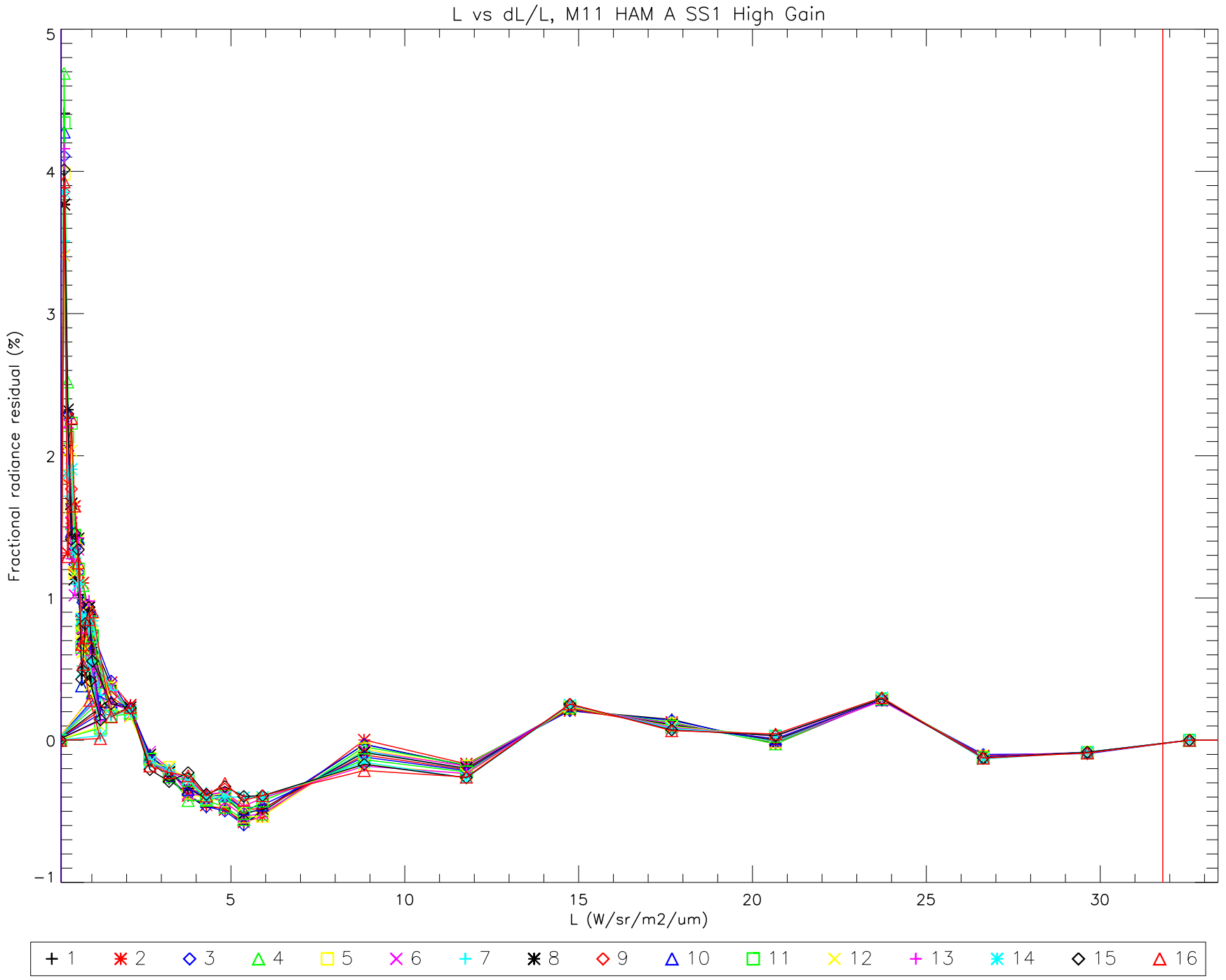

L vs dn_out, M10 HAM B SS1 High Gain
dn_out
4000
3000
2000
1000
0
0
200
400
600
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

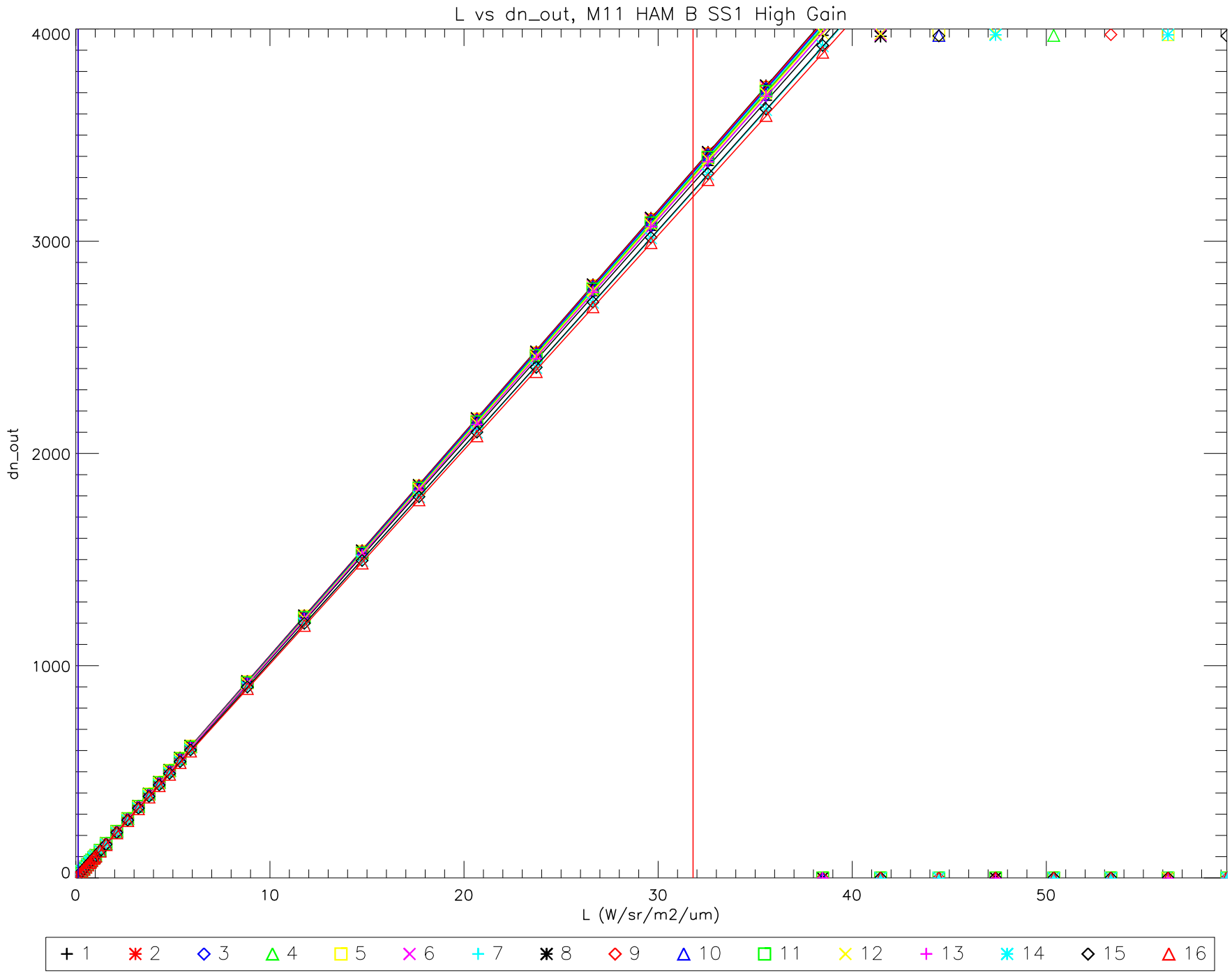

L vs dn_out, M10 HAM B SS1 High Gain
dn_out
4000
3000
2000
1000
0
20
40
60
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16


L vs dL/L, M10 HAM B SS1 High Gain
Fractional radiance residual (%)
2
0
−2
−4
−6
−8
20
40
60
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16


L vs dn_out, M11 HAM A SS1 High Gain
dn_out
4000
3000
2000
1000
0
0
10
20
30
40
50
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16


L vs dn_out, M11 HAM A SS1 High Gain
dn_out
4000
3000
2000
1000
0
5
10
15
20
25
30
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16


L vs dL/L, M11 HAM A SS1 High Gain
Fractional radiance residual (%)
5
4
3
2
1
0
−1
5
10
15
20
25
30
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16


L vs dn_out, M11 HAM B SS1 High Gain
dn_out
4000
3000
2000
1000
0
0
10
20
30
40
50
L (W/sr/m2/um)
1
2
3
4
5
6
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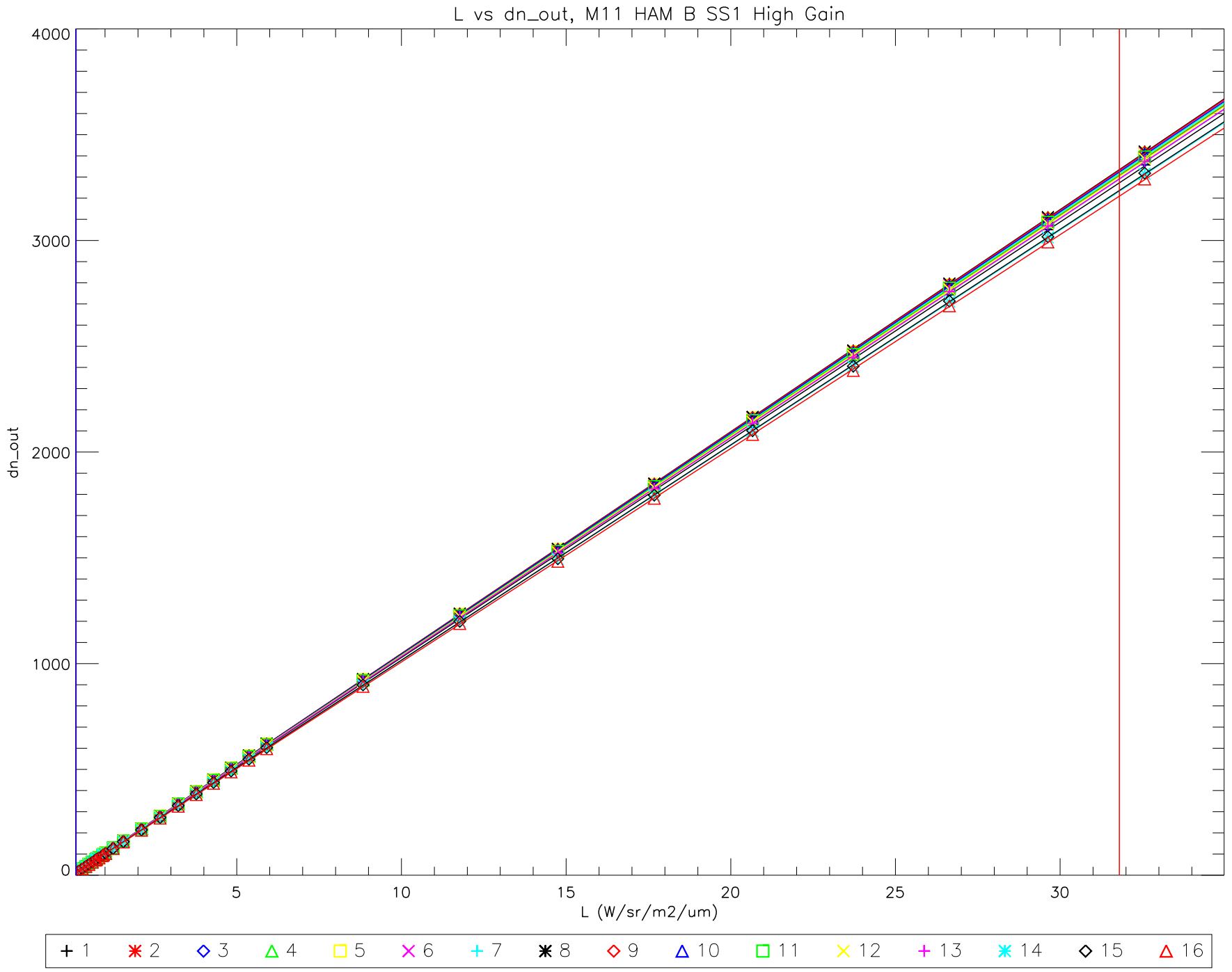
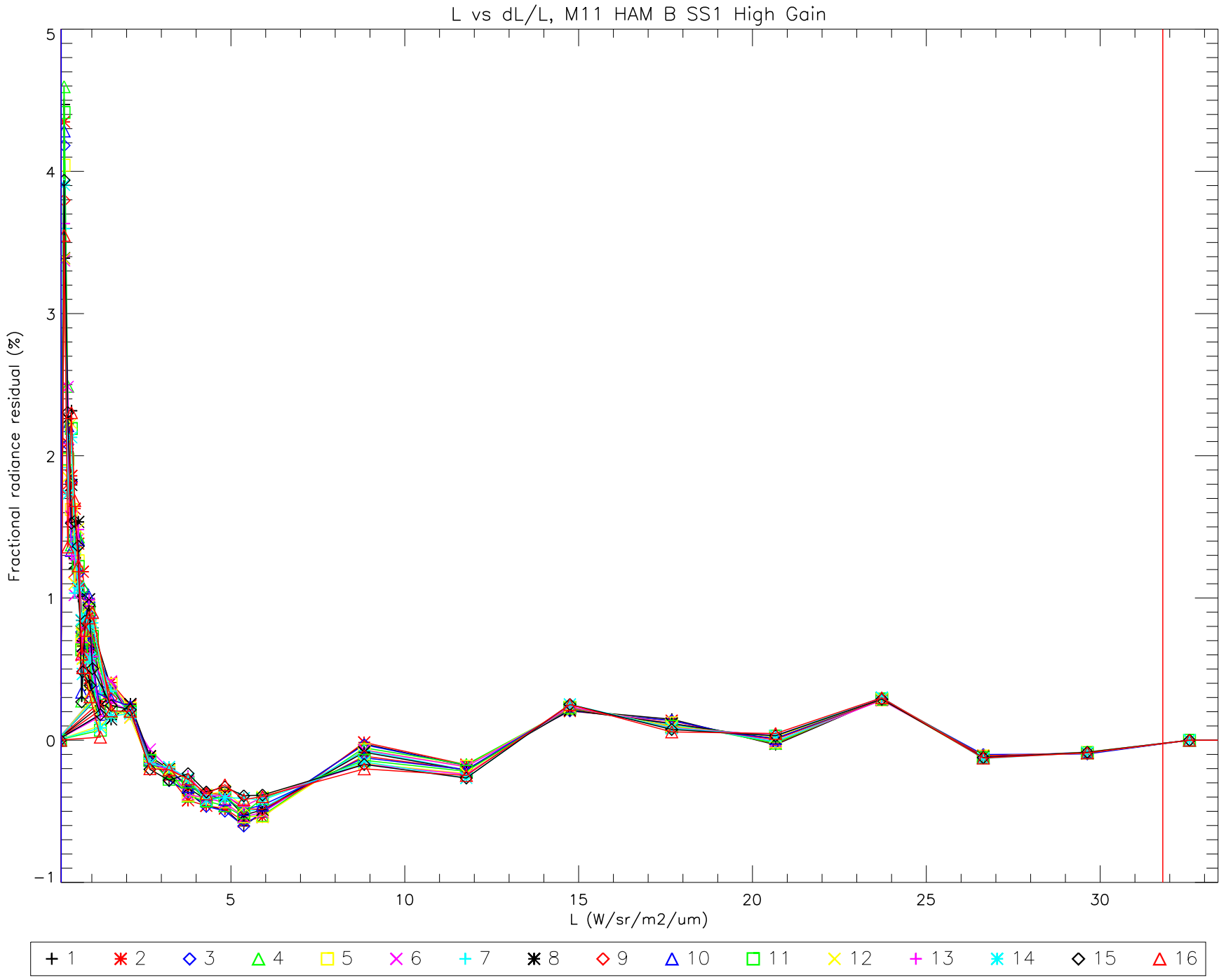
15
16


L vs dn_out, M11 HAM B SS1 High Gain
dn_out
4000
3000
2000
1000
0
5
10
15
20
25
30
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16


L vs dL/L, M11 HAM B SS1 High Gain
Fractional radiance residual (%)
5
4
3
2
1
0
−1
5
10
15
20
25
30
L (W/sr/m2/um)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16