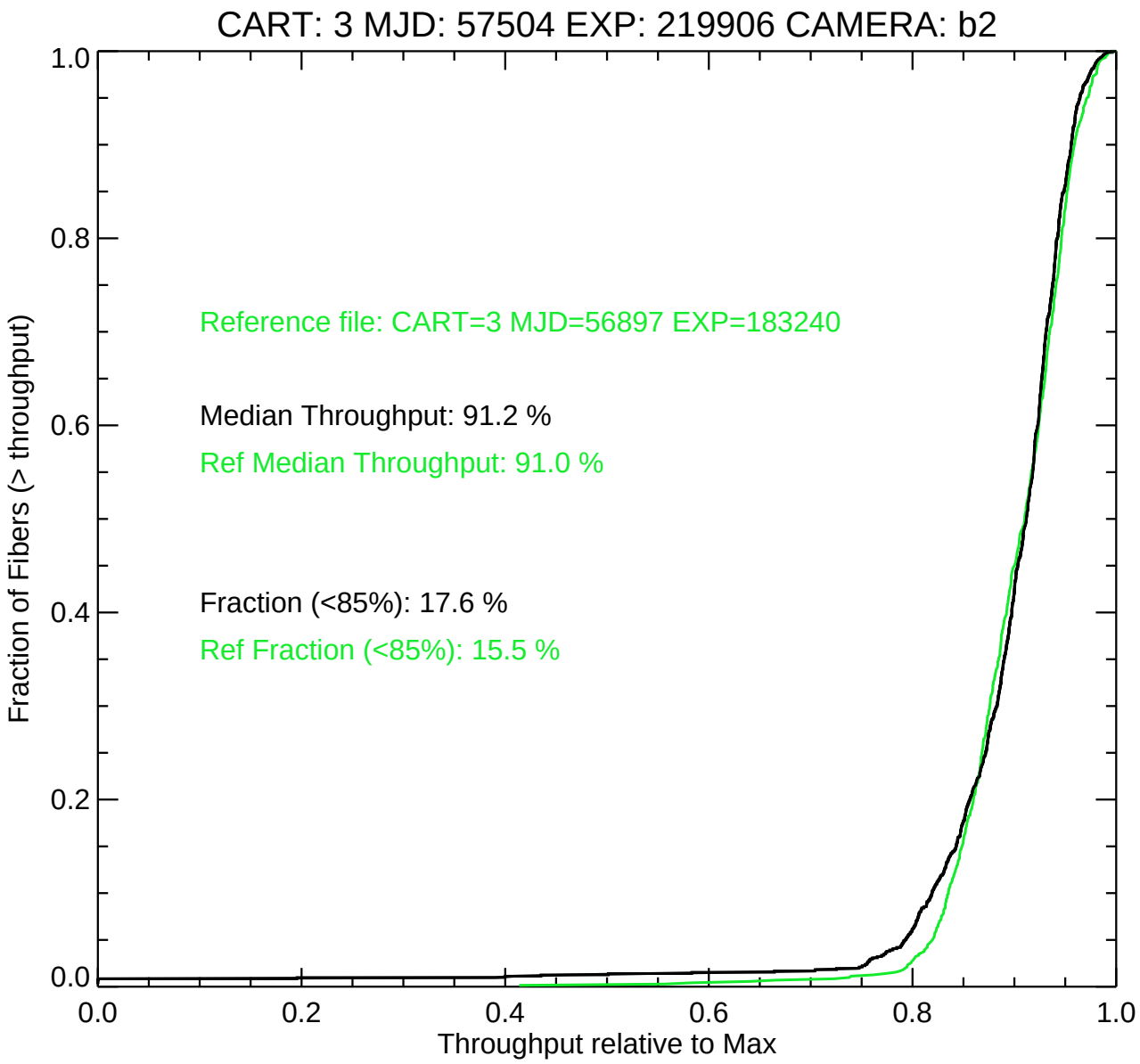
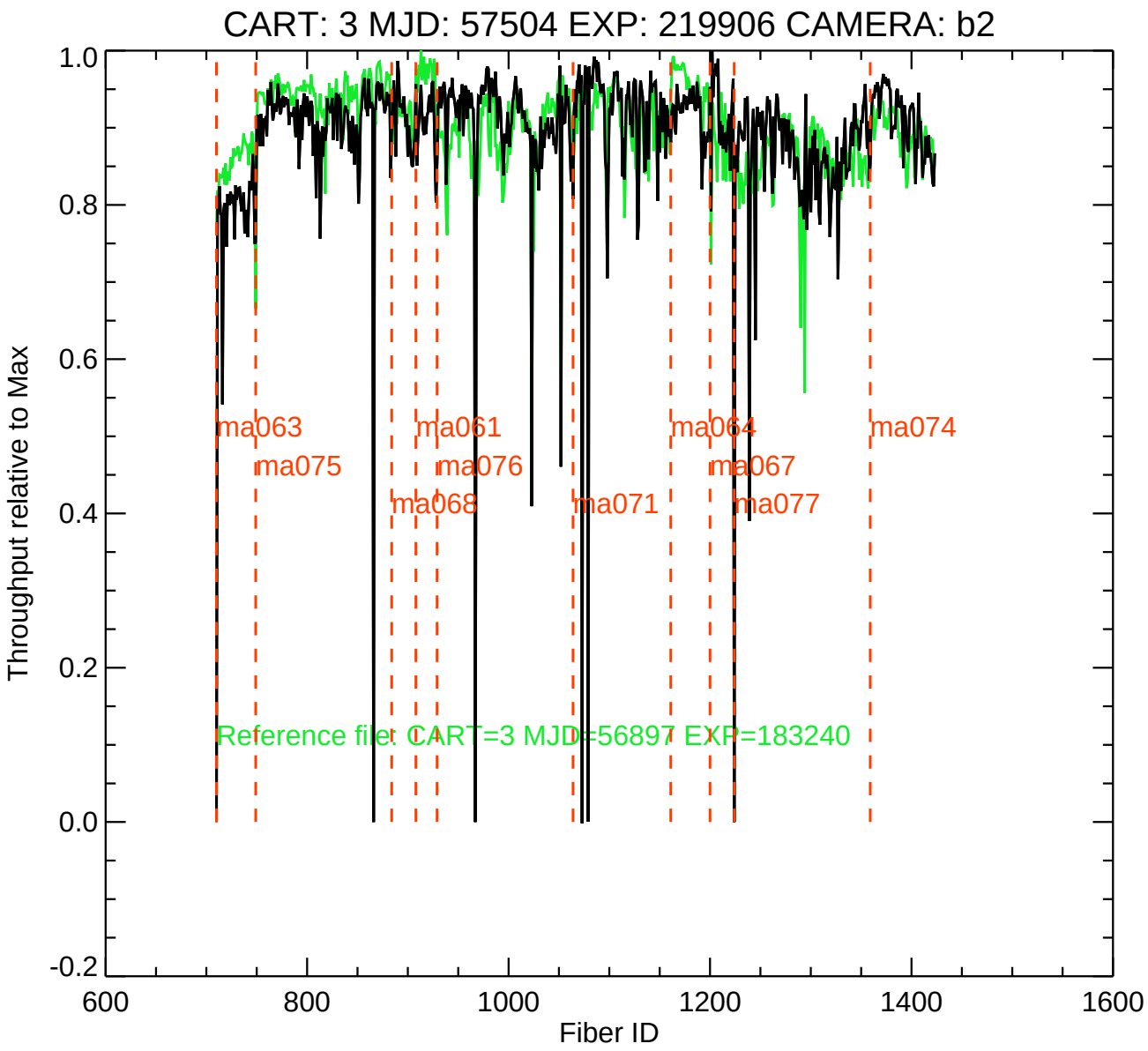
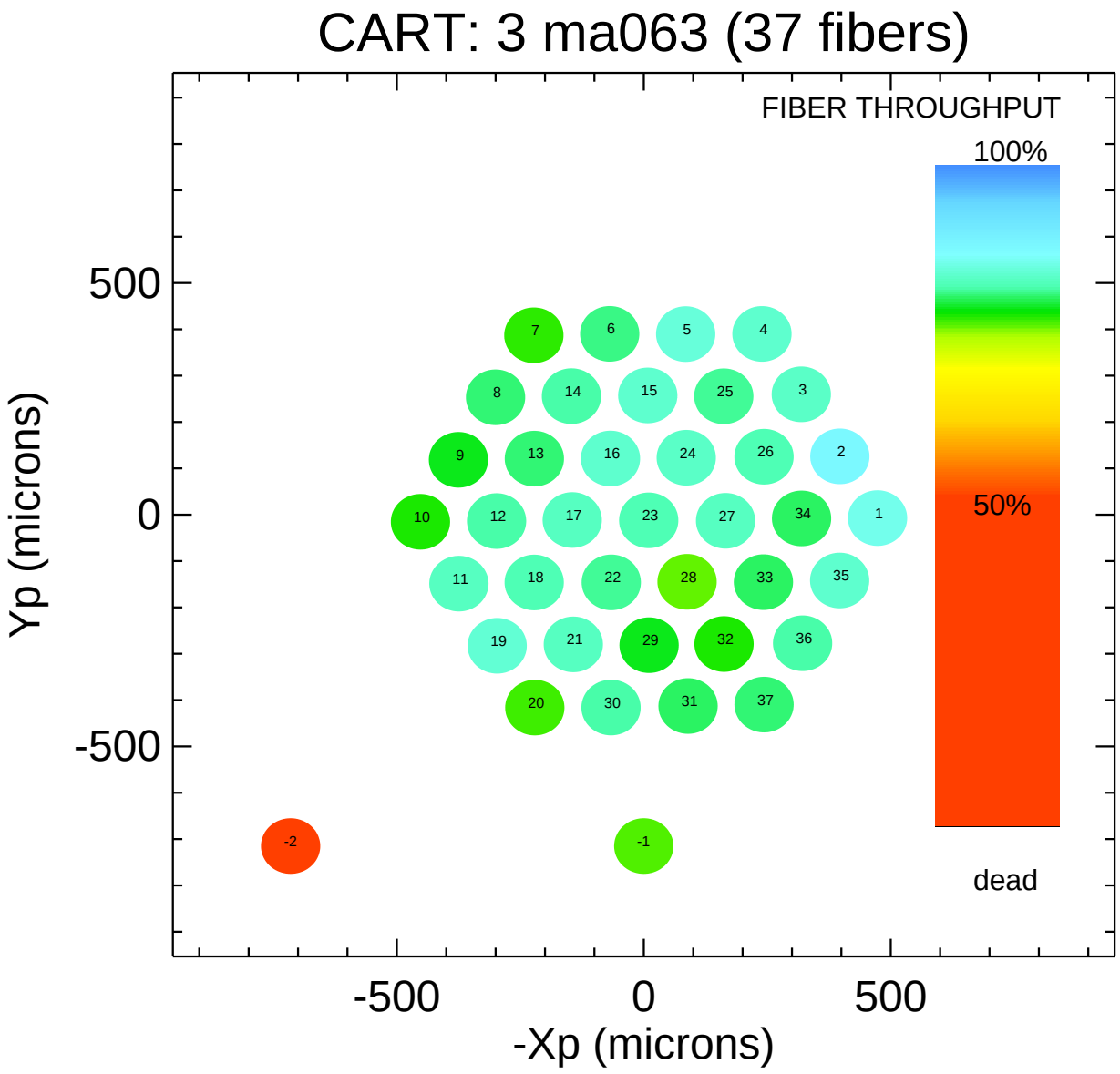
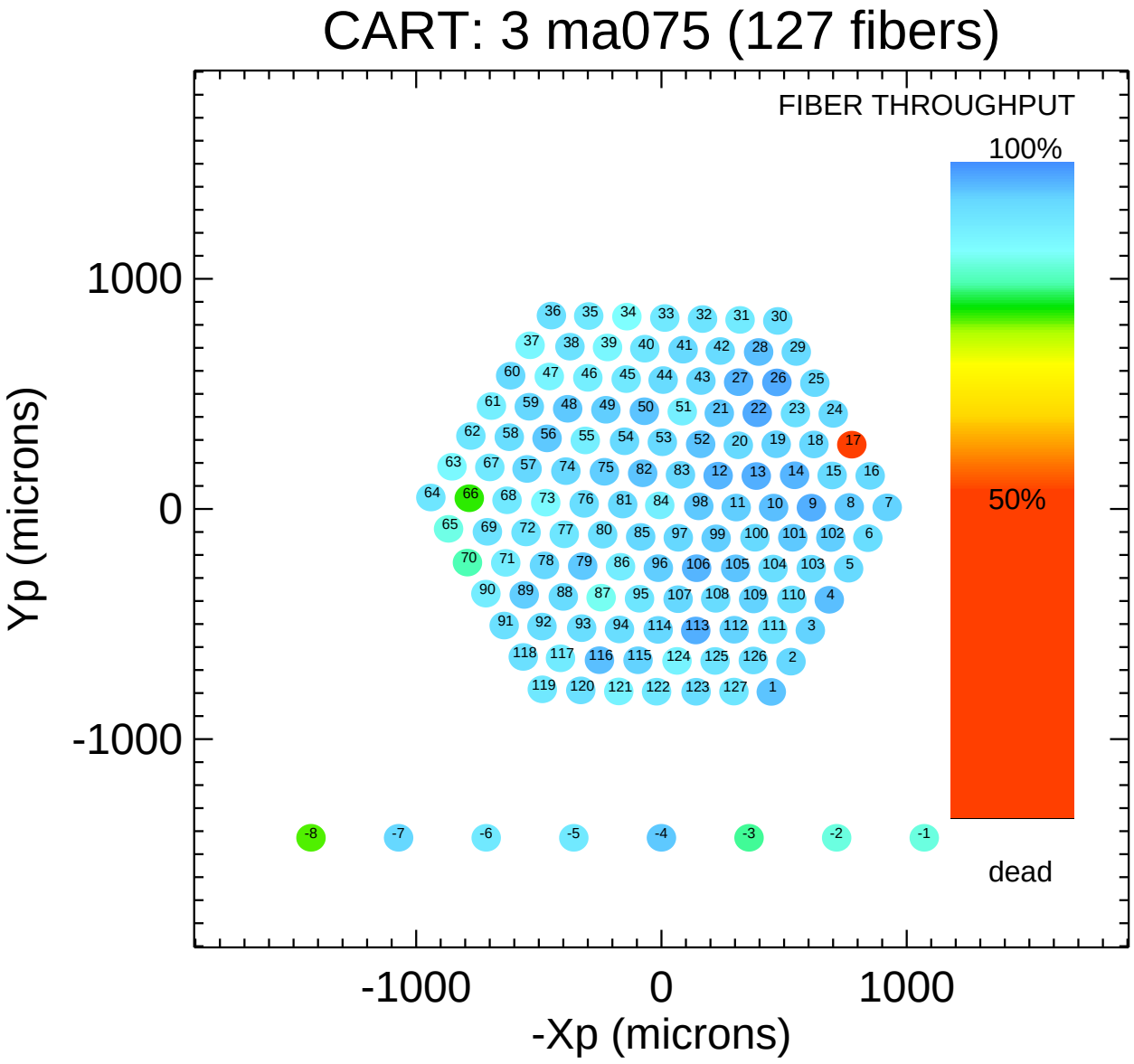
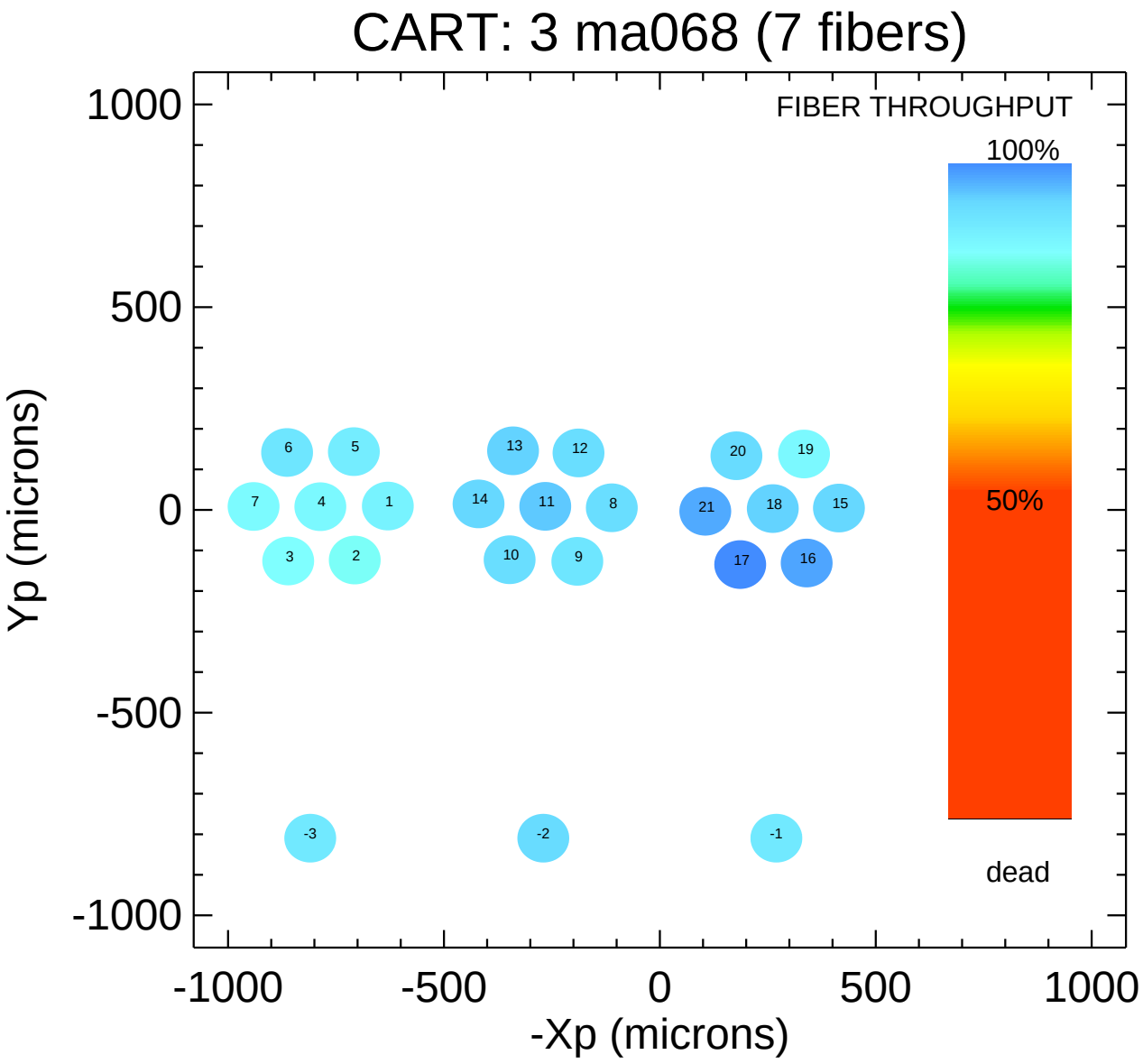
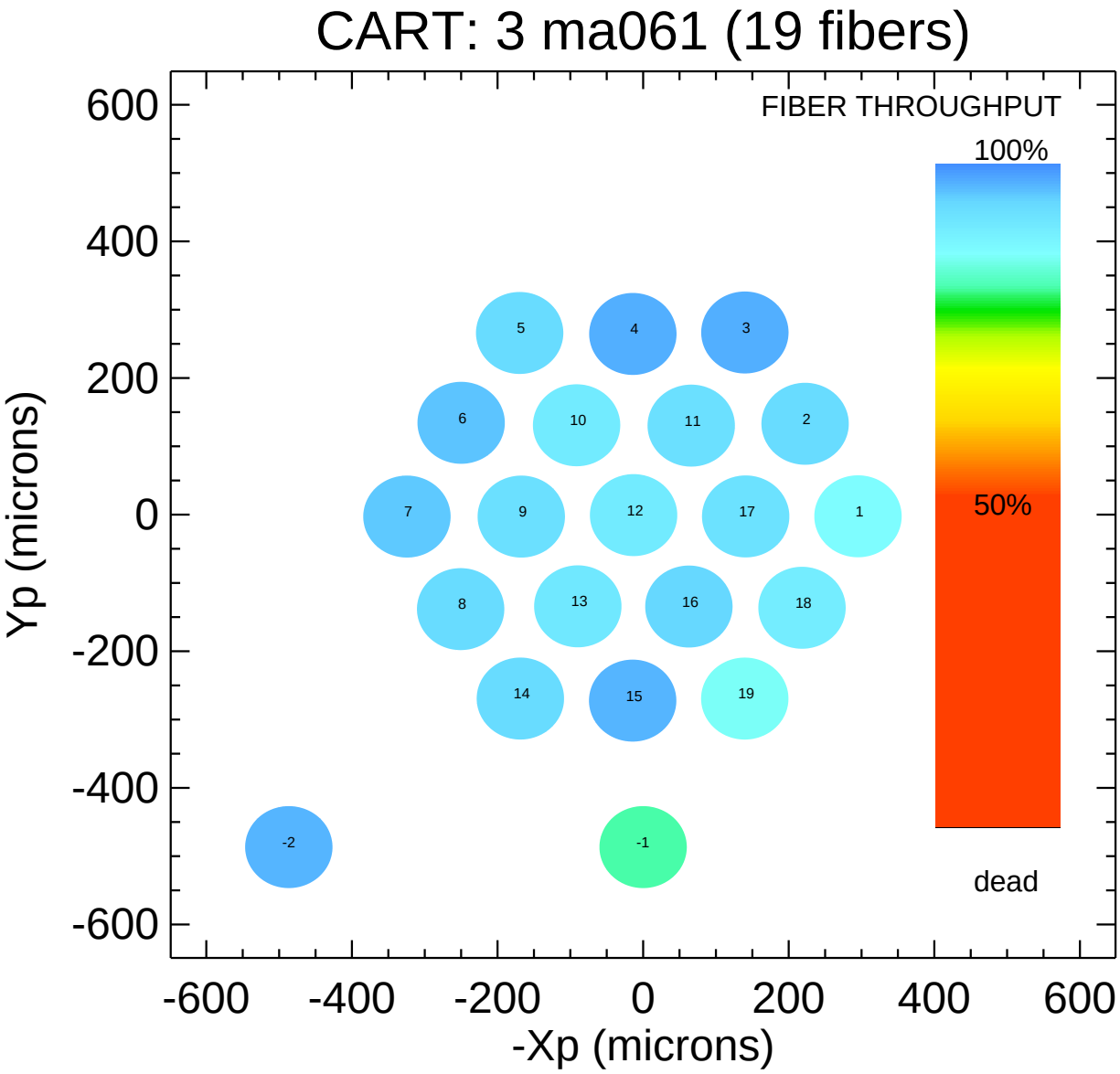

CART: 3 MJD: 57504 EXP: 219906 CAMERA: b2
Reference file: CART=3 MJD=56897 EXP=183240
Median Throughput: 91.2 %
Ref Median Throughput: 91.0 %
Fraction (<85%): 17.6 %
Ref Fraction (<85%): 15.5 %
Fraction of Fibers (> throughput)
Throughput relative to Max
0.0
0.2
0.4
0.6
0.8
1.0

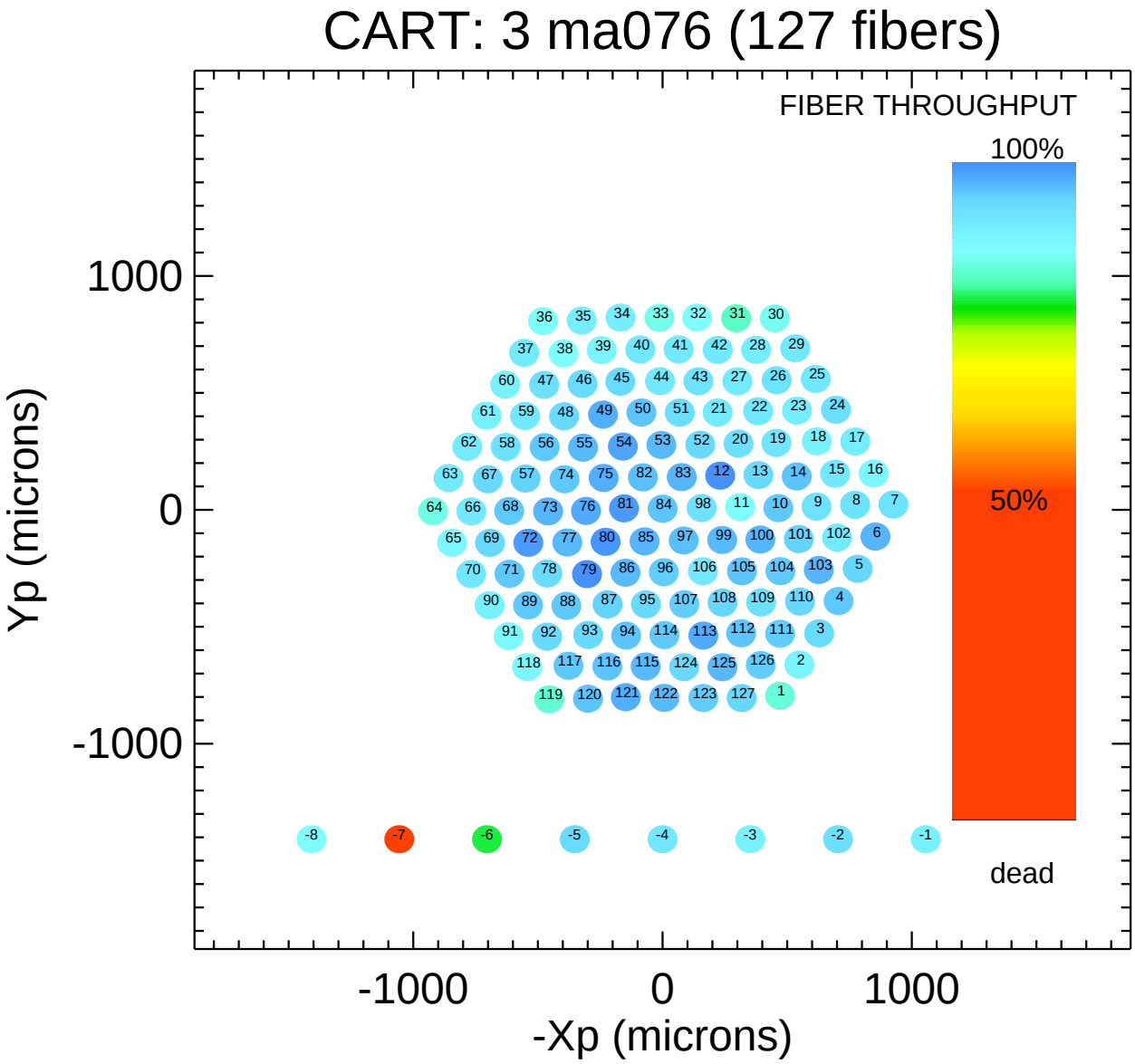

CART: 3 MJD: 57504 EXP: 219906 CAMERA: b2
Throughput relative to Max
Fiber ID
1.0
0.8
0.6
0.4
0.2
0.0
-0.2
600
800
1000
1200
1400
1600
ma063
ma075
ma061
ma076
ma068
ma071
ma064
ma067
ma077
ma074
Reference file: CART=3 MJD=56897 EXP=183240

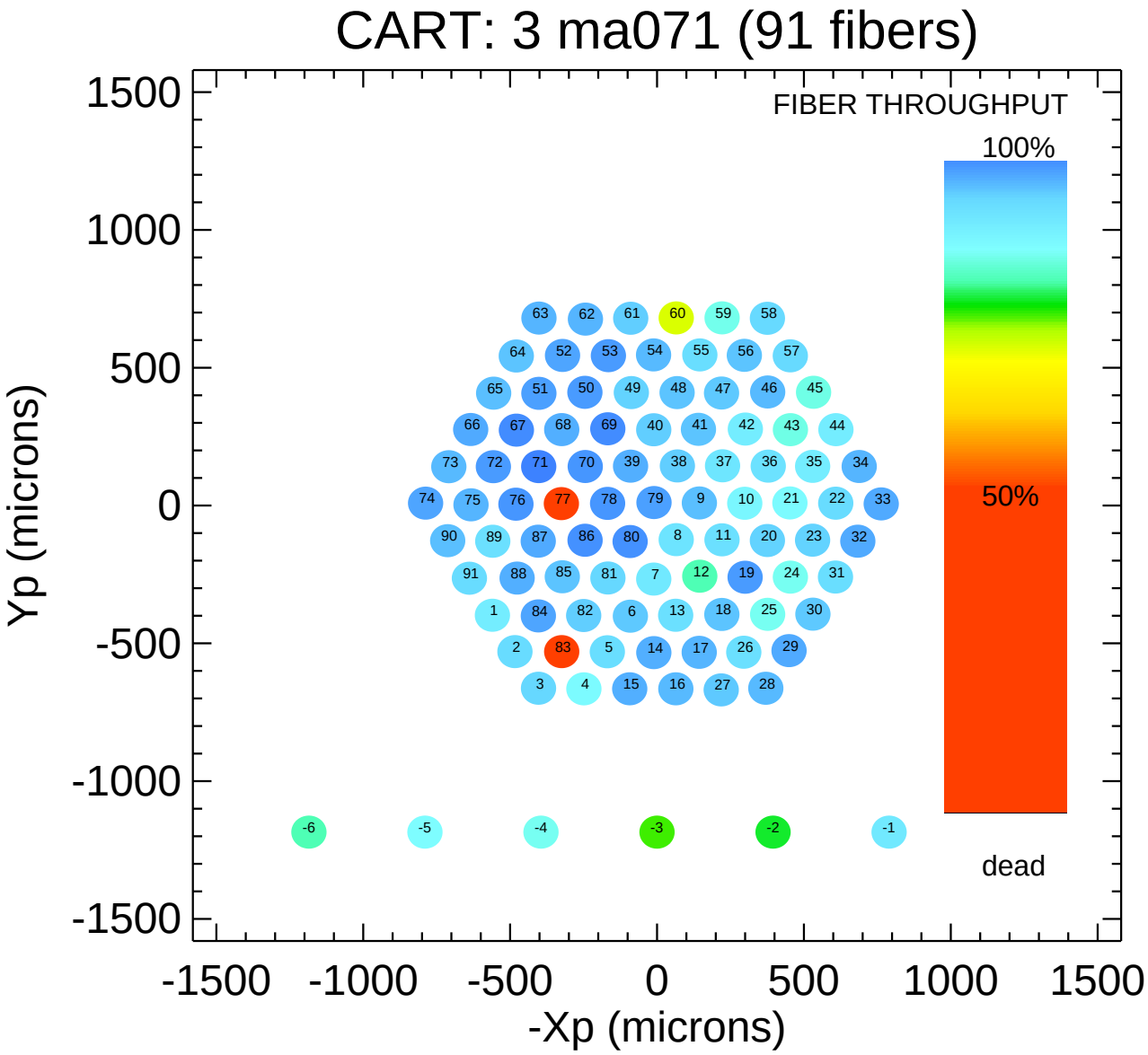

CART: 3 ma063 (37 fibers)
FIBER THROUGHPUT
100%
50%
dead
7
6
5
4
8
14
15
25
3
9
13
16
24
26
2
10
12
17
23
27
34
1
11
18
22
28
33
35
19
21
29
32
36
20
30
31
37
-2
-1
500
0
-500
Yp (microns)
-500
0
500
-Xp (microns)

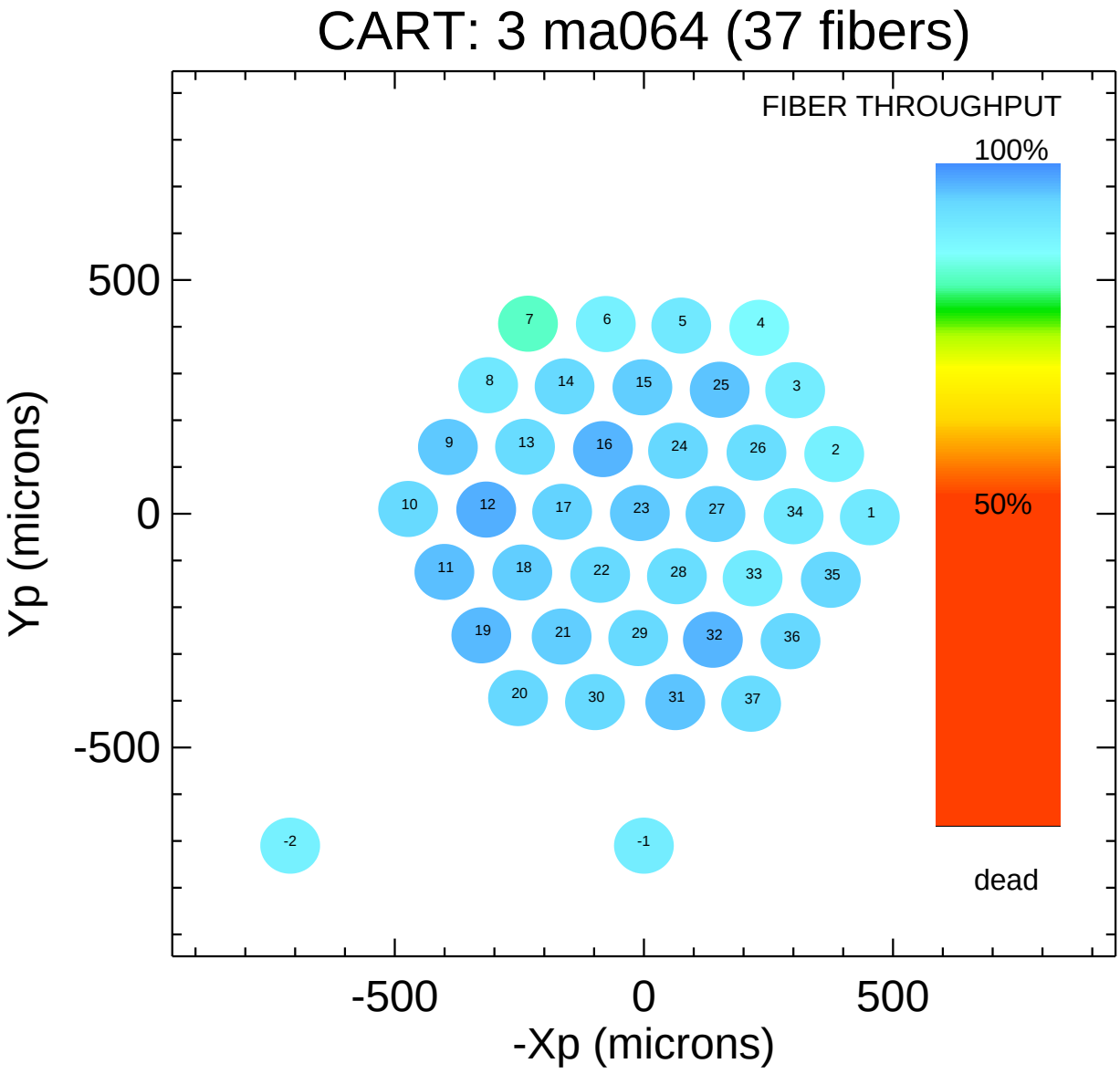

CART: 3 ma075 (127 fibers)
FIBER THROUGHPUT
100%
50%
dead
Yp (microns)
-Xp (microns)
1000
0
-1000
-1000
0
1000
36 35 34 33 32 31 30
37 38 39 40 41 42 28 29
60 47 46 45 44 43 27 26 25
61 59 48 49 50 51 21 22 23 24
62 58 56 55 54 53 52 20 19 18 17
63 67 57 74 75 82 83 12 13 14 15 16
64 66 68 73 76 81 84 98 11 10 9 8 7
65 69 72 77 80 85 97 99 100 101 102 6
70 71 78 79 86 96 106 105 104 103 5
90 89 88 87 95 107 108 109 110 4
91 92 93 94 114 113 112 111 3
118 117 116 115 124 125 126 2
119 120 121 122 123 127 1
-8 -7 -6 -5 -4 -3 -2 -1

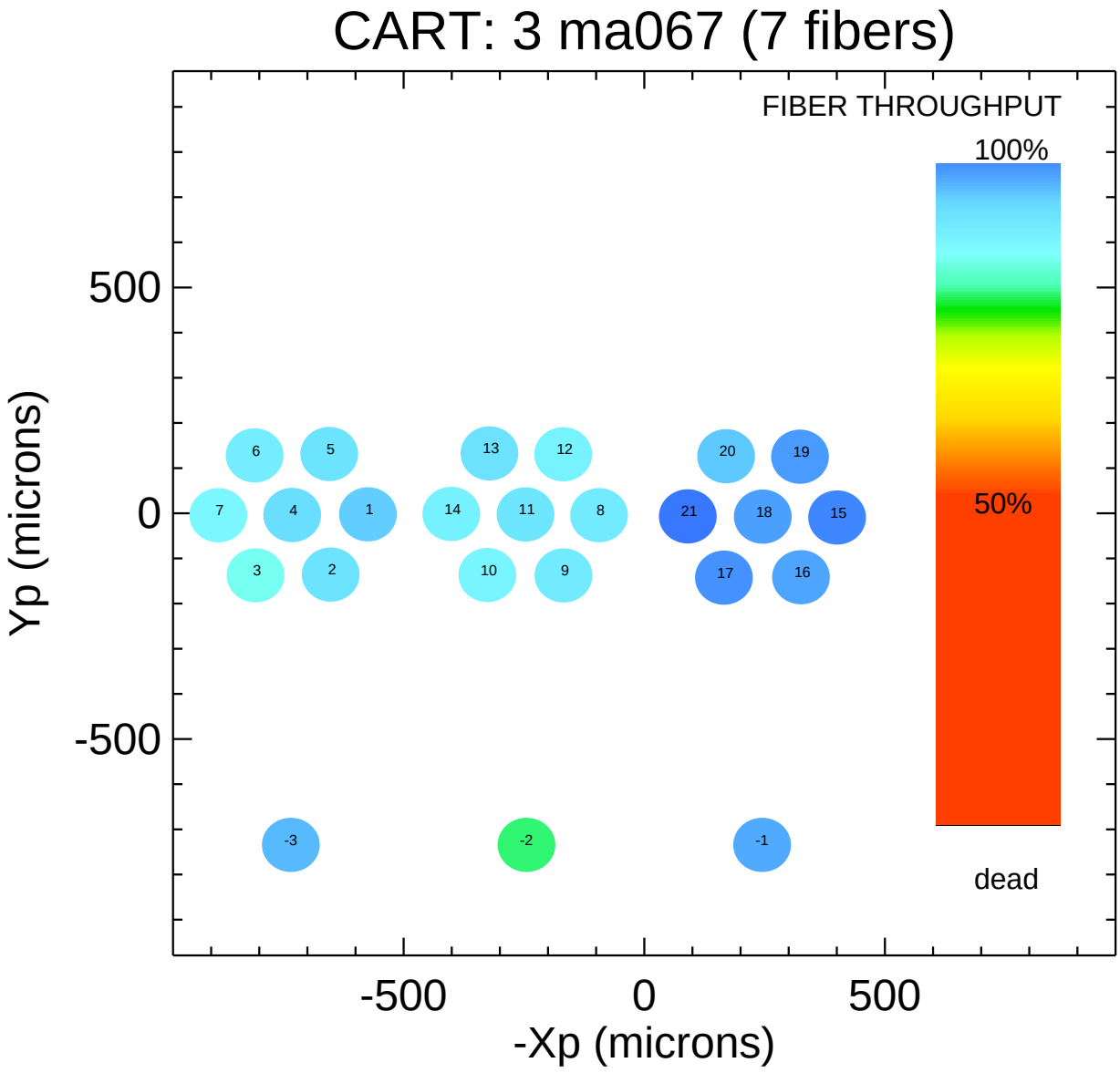

CART: 3 ma068 (7 fibers)
FIBER THROUGHPUT
100%
50%
dead
1000
500
0
-500
-1000
Yp (microns)
-1000
-500
0
500
1000
-Xp (microns)
6
5
7
4
1
3
2
13
12
14
11
8
10
9
20
19
21
18
15
17
16
-3
-2
-1

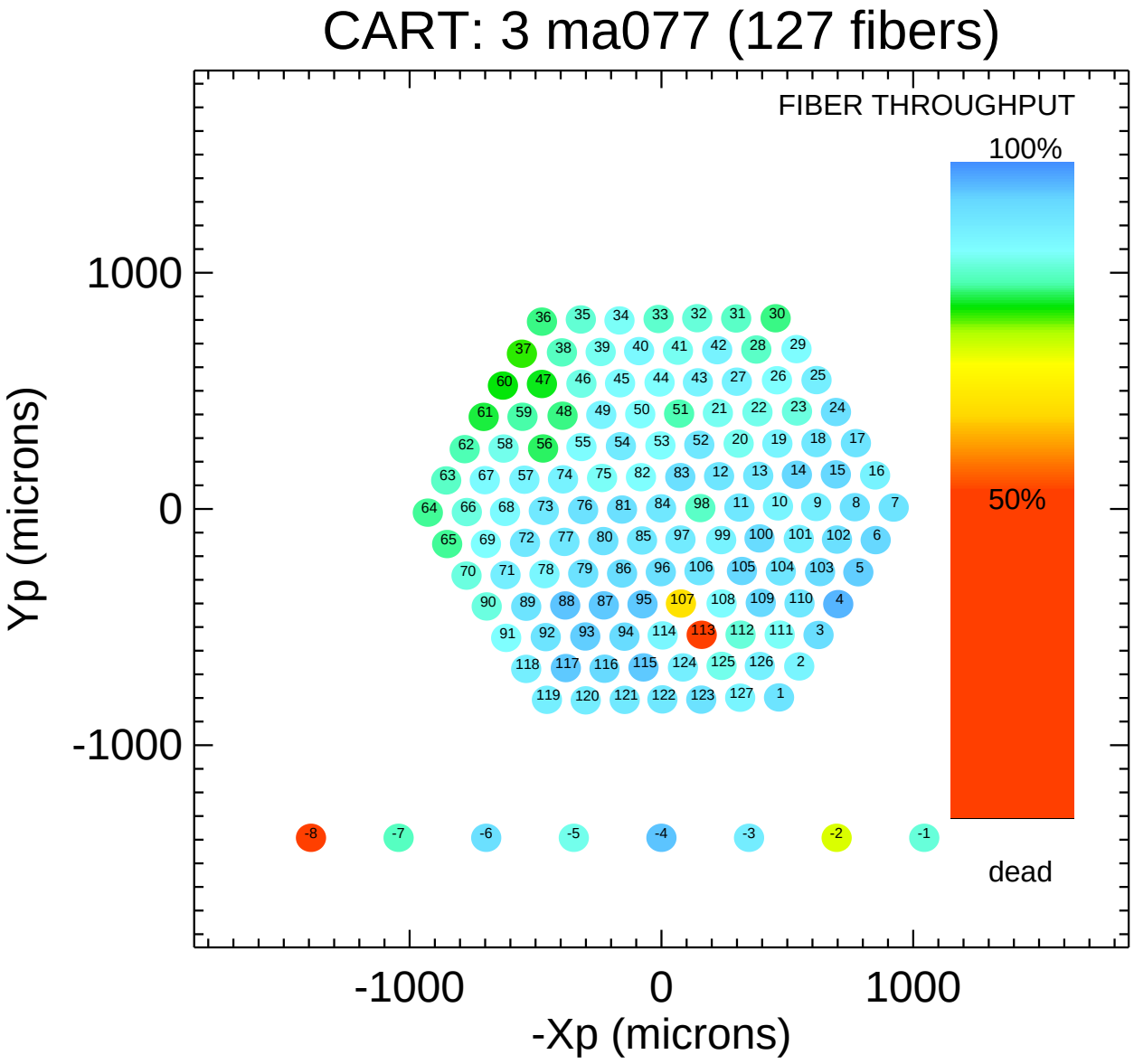

CART: 3 ma061 (19 fibers)
FIBER THROUGHPUT
100%
50%
dead
Yp (microns)
-Xp (microns)
600
400
200
0
-200
-400
-600
-600
-400
-200
0
200
400
600
5
4
3
6
10
11
2
7
9
12
17
1
8
13
16
18
14
15
19
-2
-1

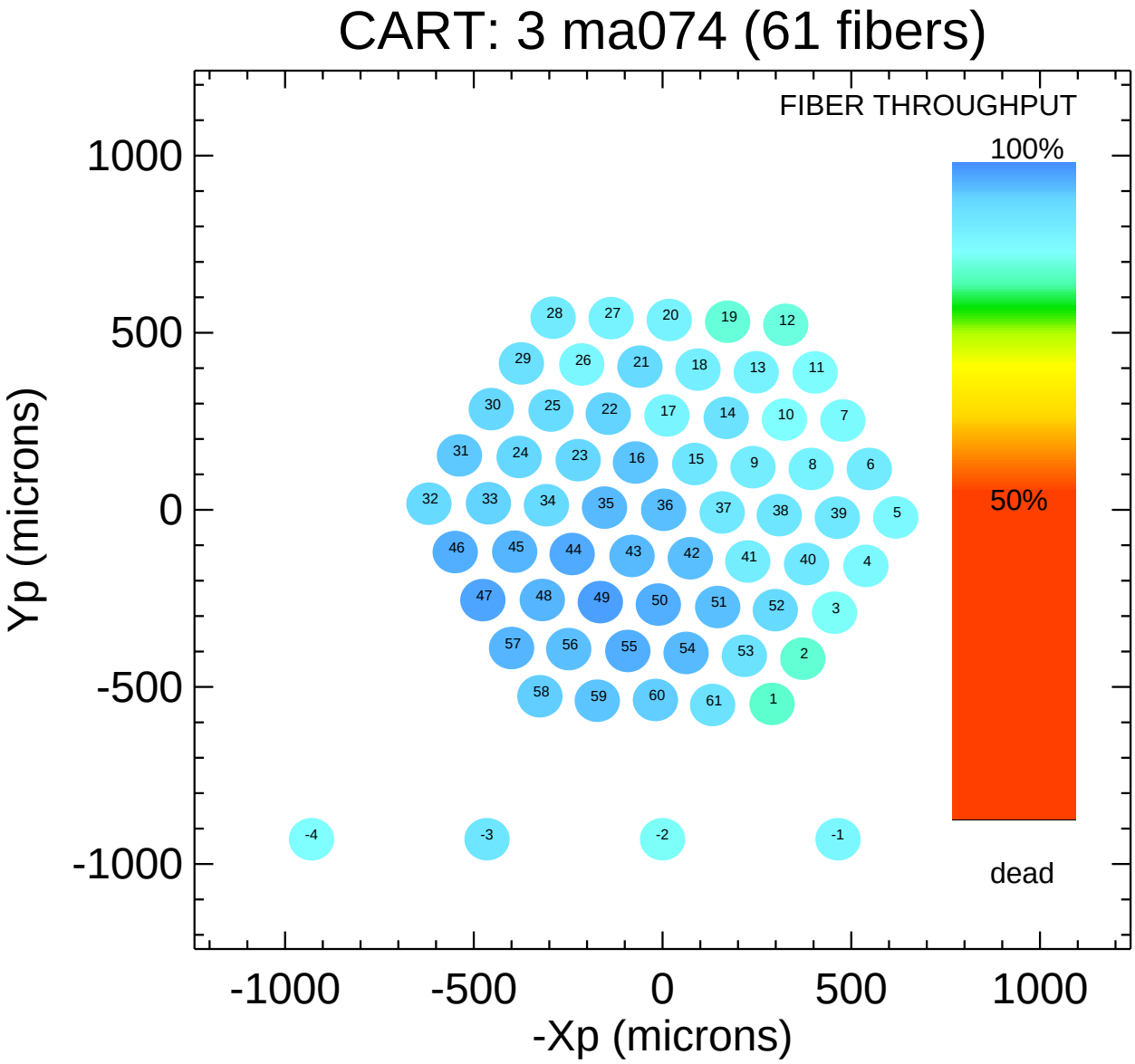

CART: 3 ma076 (127 fibers)
FIBER THROUGHPUT
100%
50%
dead
Yp (microns)
-Xp (microns)
1000
0
-1000
-1000
0
1000
36 35 34 33 32 31 30
37 38 39 40 41 42 28 29
60 47 46 45 44 43 27 26 25
61 59 48 49 50 51 21 22 23 24
62 58 56 55 54 53 52 20 19 18 17
63 67 57 74 75 82 83 12 13 14 15 16
64 66 68 73 76 81 84 98 11 10 9 8 7
65 69 72 77 80 85 97 99 100 101 102 6
70 71 78 79 86 96 106 105 104 103 5
90 89 88 87 95 107 108 109 110 4
91 92 93 94 114 113 112 111 3
118 117 116 115 124 125 126 2
119 120 121 122 123 127 1
-8 -7 -6 -5 -4 -3 -2 -1


CART: 3 ma071 (91 fibers)
FIBER THROUGHPUT
100%
50%
dead
Yp (microns)
-Xp (microns)
1500
1000
500
0
-500
-1000
-1500
-1500 -1000 -500 0 500 1000 1500
63 62 61 60 59 58
64 52 53 54 55 56 57
65 51 50 49 48 47 46 45
66 67 68 69 40 41 42 43 44
73 72 71 70 39 38 37 36 35 34
74 75 76 77 78 79 9 10 21 22 33
90 89 87 86 80 8 11 20 23 32
91 88 85 81 7 12 19 24 31
1 84 82 6 13 18 25 30
2 83 5 14 17 26 29
3 4 15 16 27 28
-6 -5 -4 -3 -2 -1


CART: 3 ma064 (37 fibers)
FIBER THROUGHPUT
100%
50%
dead
Yp (microns)
-Xp (microns)
500
0
-500
-500
0
500
7
6
5
4
8
14
15
25
3
9
13
16
24
26
2
10
12
17
23
27
34
1
11
18
22
28
33
35
19
21
29
32
36
20
30
31
37
-2
-1


CART: 3 ma067 (7 fibers)
FIBER THROUGHPUT
100%
50%
dead
6
5
7
4
1
3
2
13
12
14
11
8
10
9
20
19
21
18
15
17
16
-3
-2
-1
500
0
-500
Yp (microns)
-500
0
500
-Xp (microns)


CART: 3 ma077 (127 fibers)
FIBER THROUGHPUT
100%
50%
dead
1000
0
-1000
Yp (microns)
-1000
0
1000
-Xp (microns)
36 35 34 33 32 31 30
37 38 39 40 41 42 28 29
60 47 46 45 44 43 27 26 25
61 59 48 49 50 51 21 22 23 24
62 58 56 55 54 53 52 20 19 18 17
63 67 57 74 75 82 83 12 13 14 15 16
64 66 68 73 76 81 84 98 11 10 9 8 7
65 69 72 77 80 85 97 99 100 101 102 6
70 71 78 79 86 96 106 105 104 103 5
90 89 88 87 95 107 108 109 110 4
91 92 93 94 114 113 112 111 3
118 117 116 115 124 125 126 2
119 120 121 122 123 127 1
-8 -7 -6 -5 -4 -3 -2 -1


CART: 3 ma074 (61 fibers)
FIBER THROUGHPUT
100%
50%
dead
Yp (microns)
-Xp (microns)
1000
500
0
-500
-1000
-1000
-500
0
500
1000
28 27 20 19 12
29 26 21 18 13 11
30 25 22 17 14 10 7
31 24 23 16 15 9 8 6
32 33 34 35 36 37 38 39 5
46 45 44 43 42 41 40 4
47 48 49 50 51 52 3
57 56 55 54 53 2
58 59 60 61 1
-4 -3 -2 -1