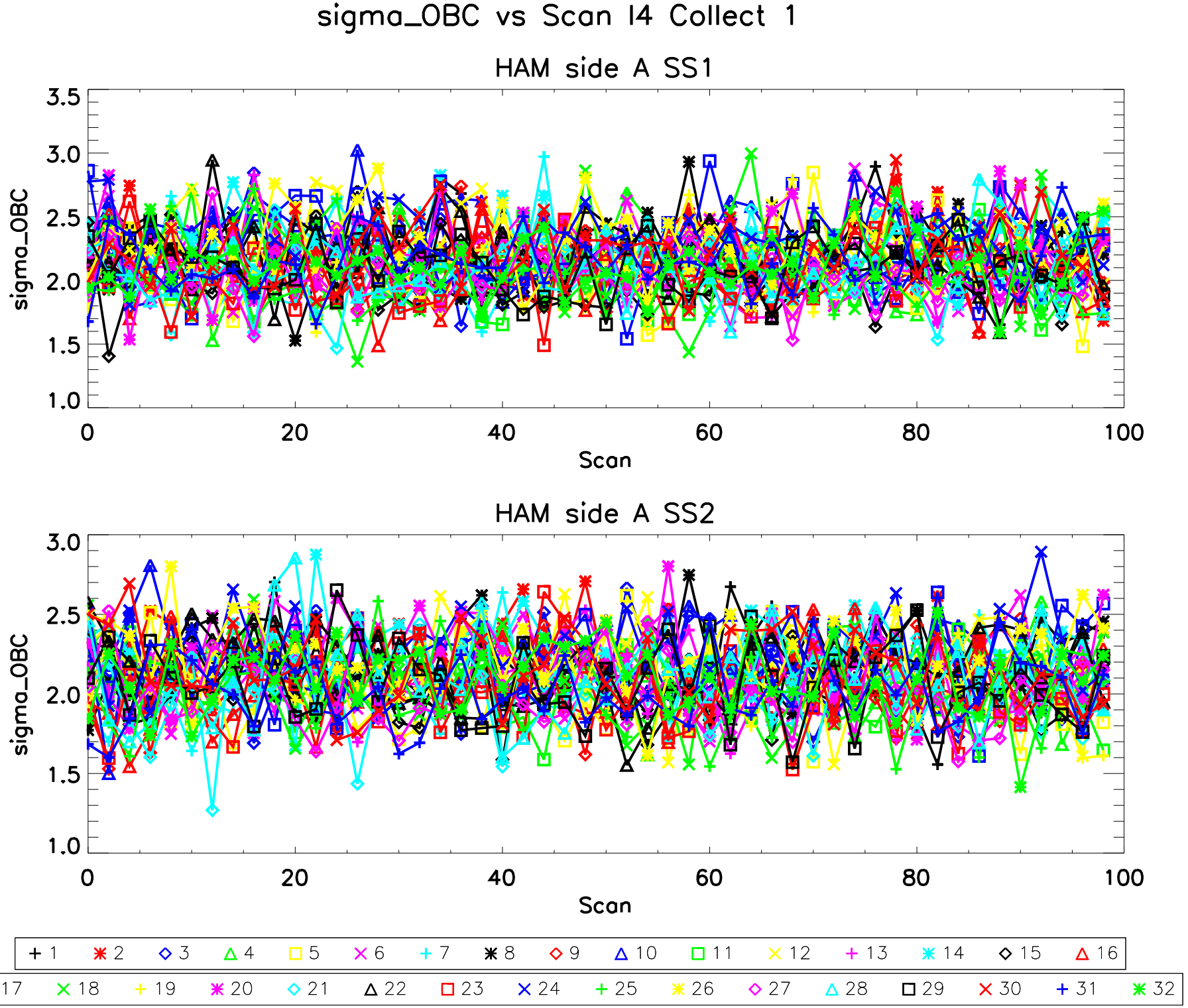
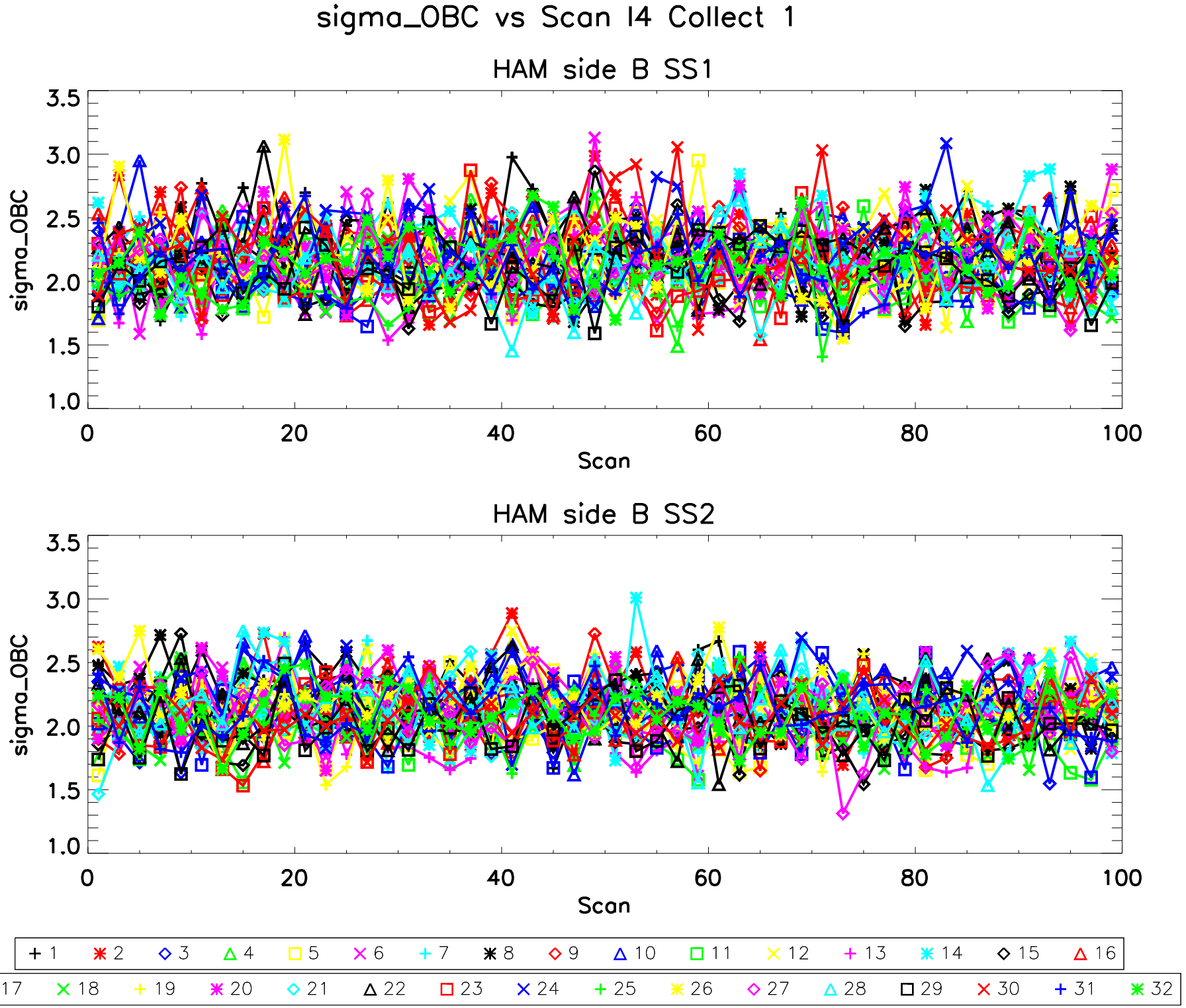
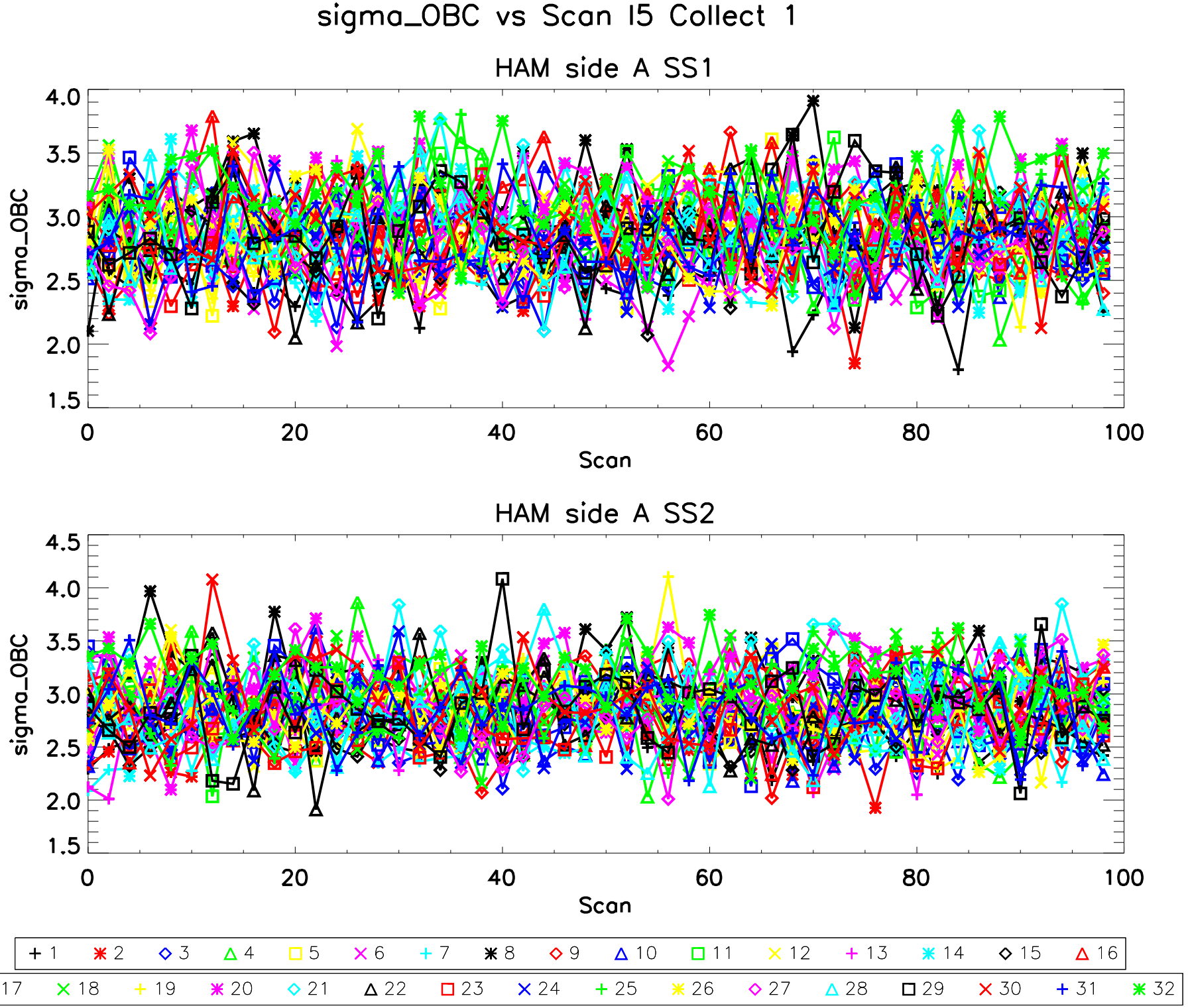
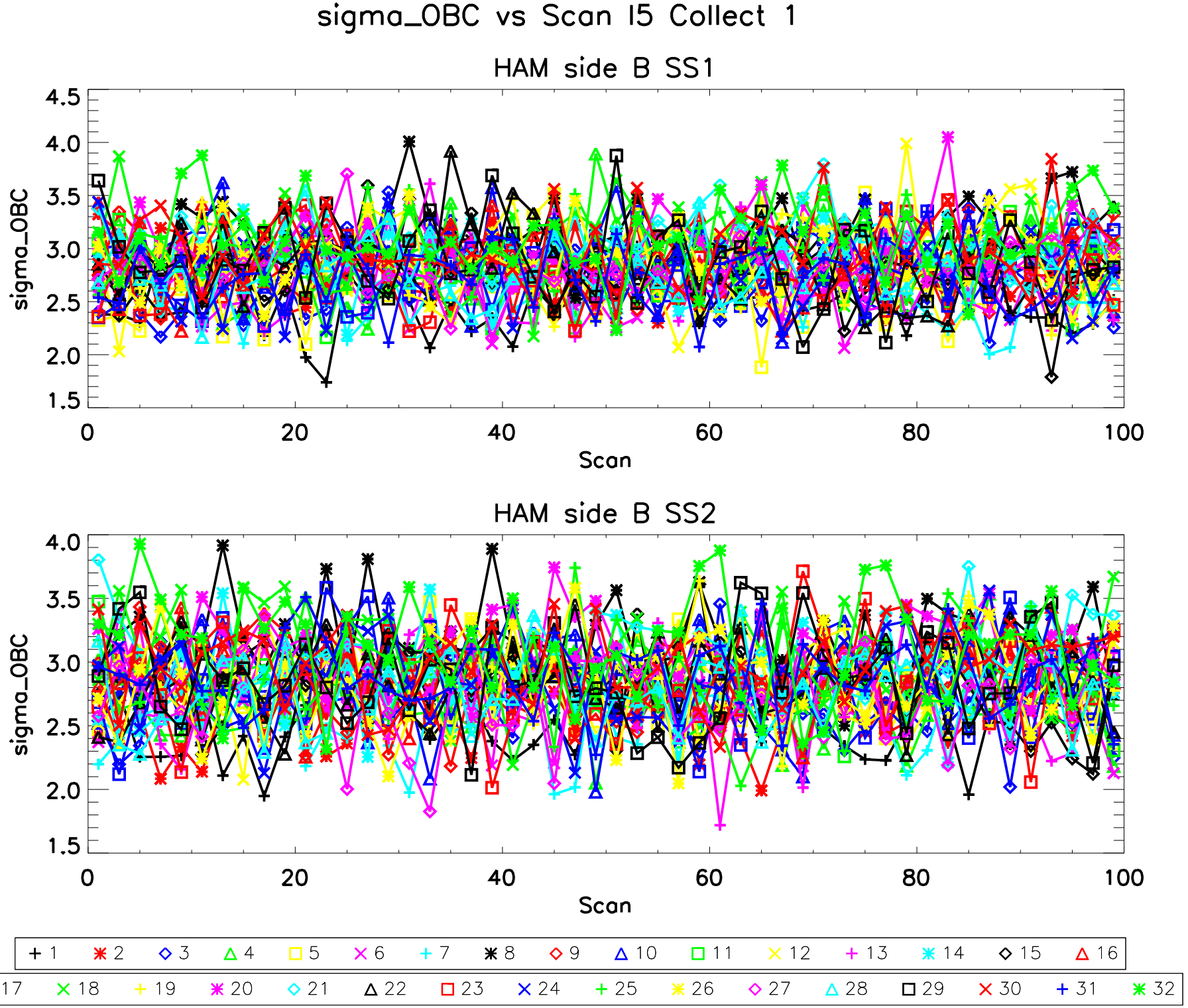
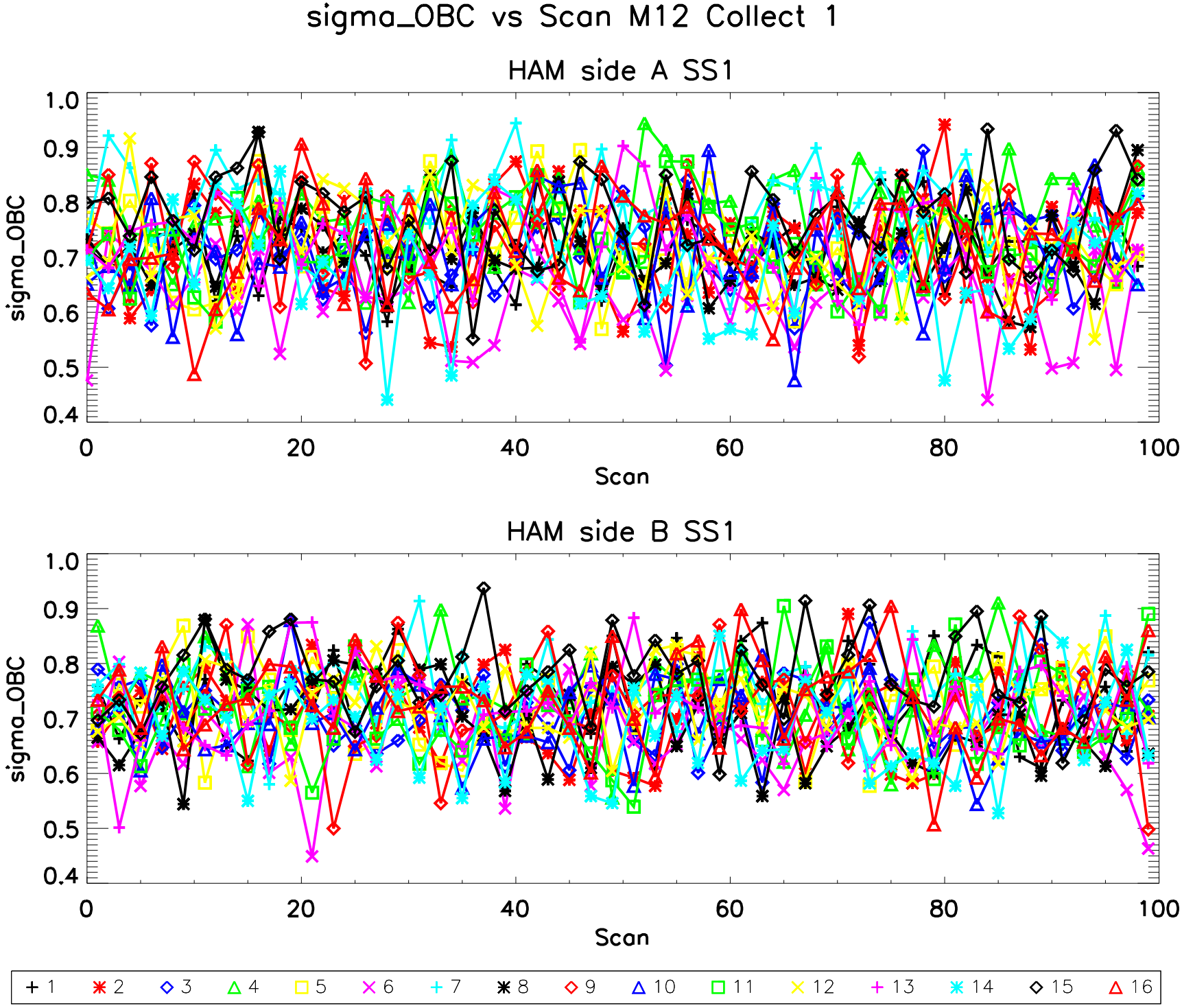
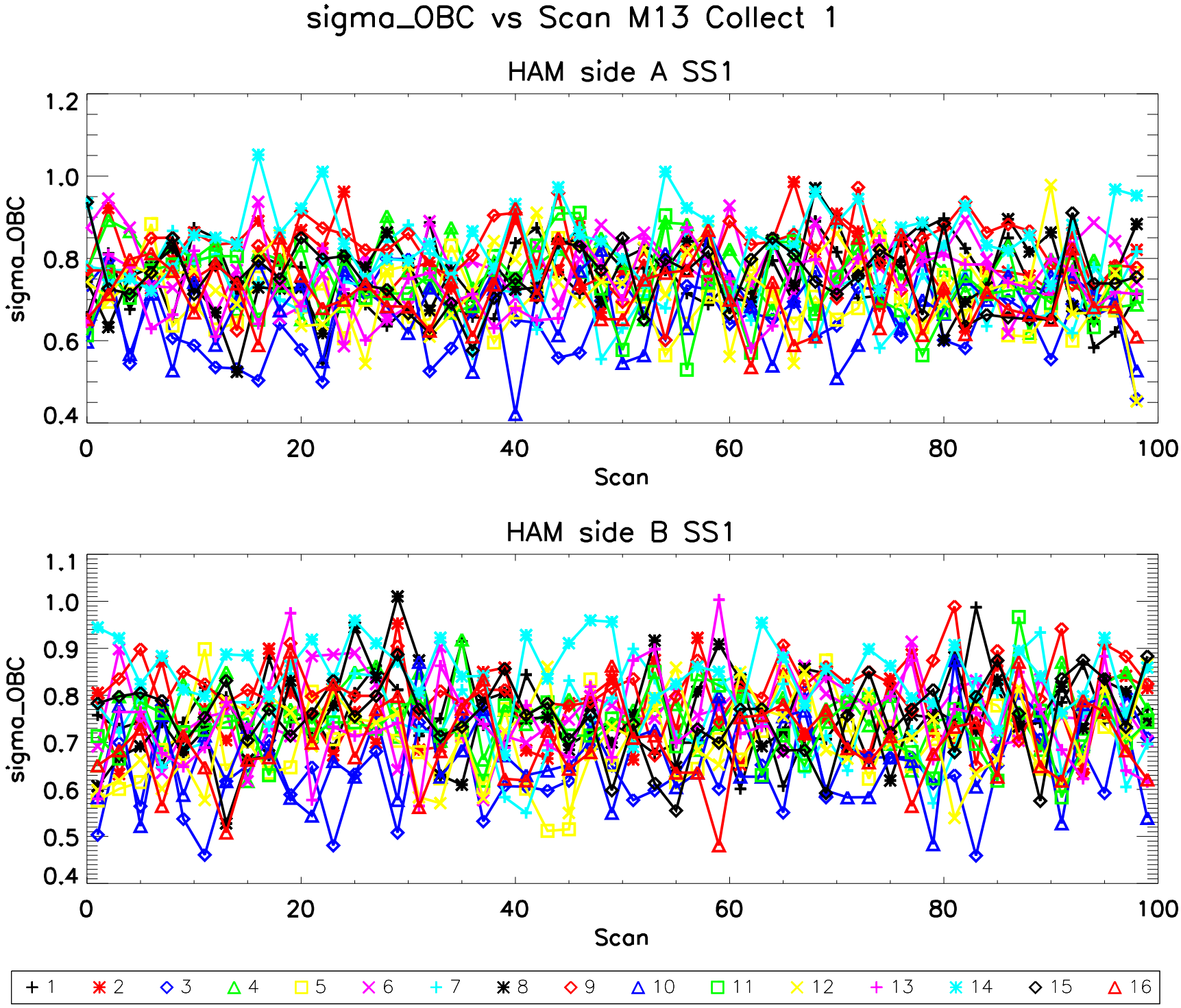

sigma_OBC vs Scan I4 Collect 1
HAM side A SS1
sigma_OBC
3.5
3.0
2.5
2.0
1.5
1.0
0
20
40
60
80
100
Scan
HAM side A SS2
sigma_OBC
3.0
2.5
2.0
1.5
1.0
0
20
40
60
80
100
Scan
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

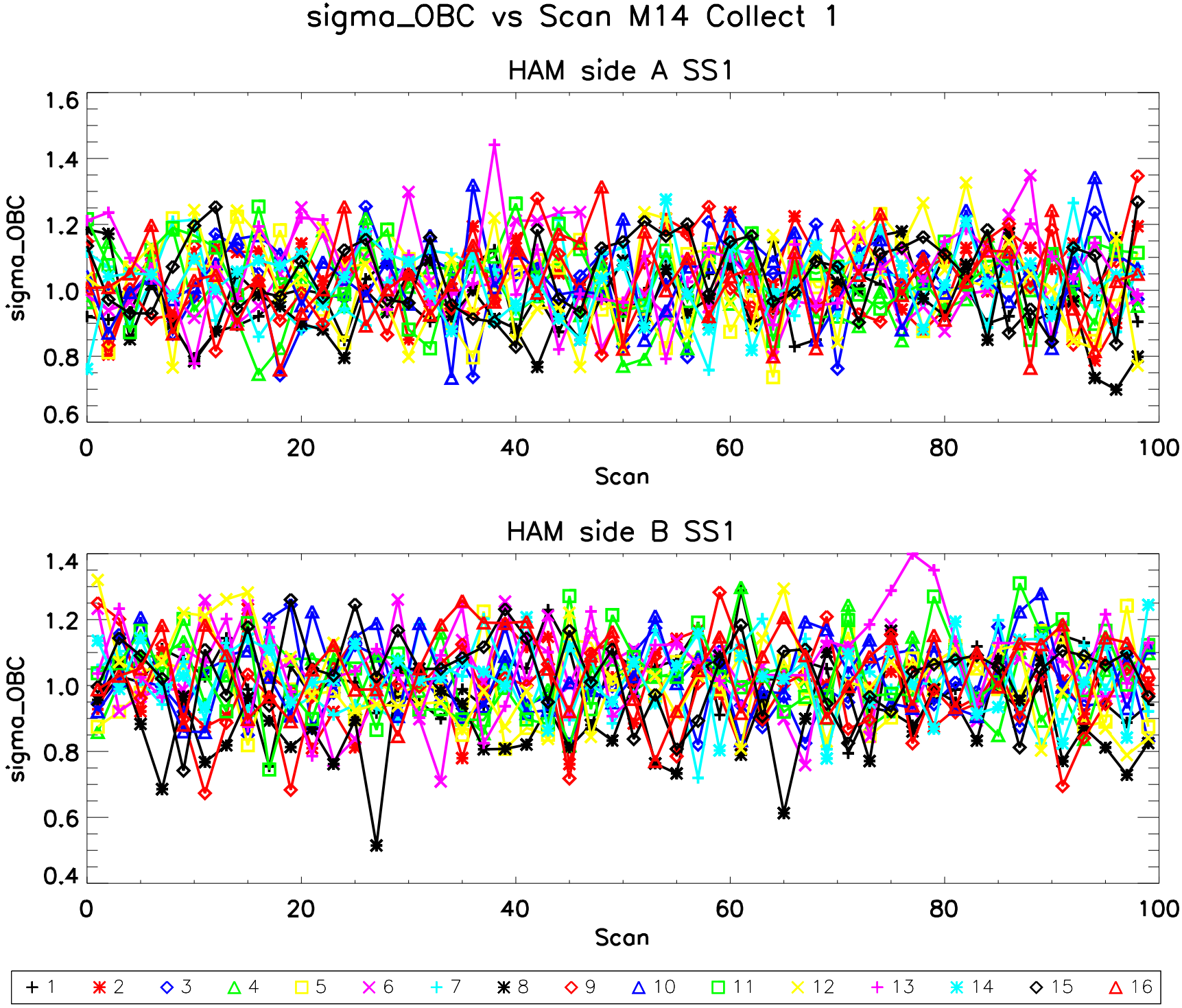

sigma_OBC vs Scan I4 Collect 1
HAM side B SS1
sigma_OBC
3.5
3.0
2.5
2.0
1.5
1.0
0
20
40
60
80
100
Scan
HAM side B SS2
sigma_OBC
3.5
3.0
2.5
2.0
1.5
1.0
0
20
40
60
80
100
Scan
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

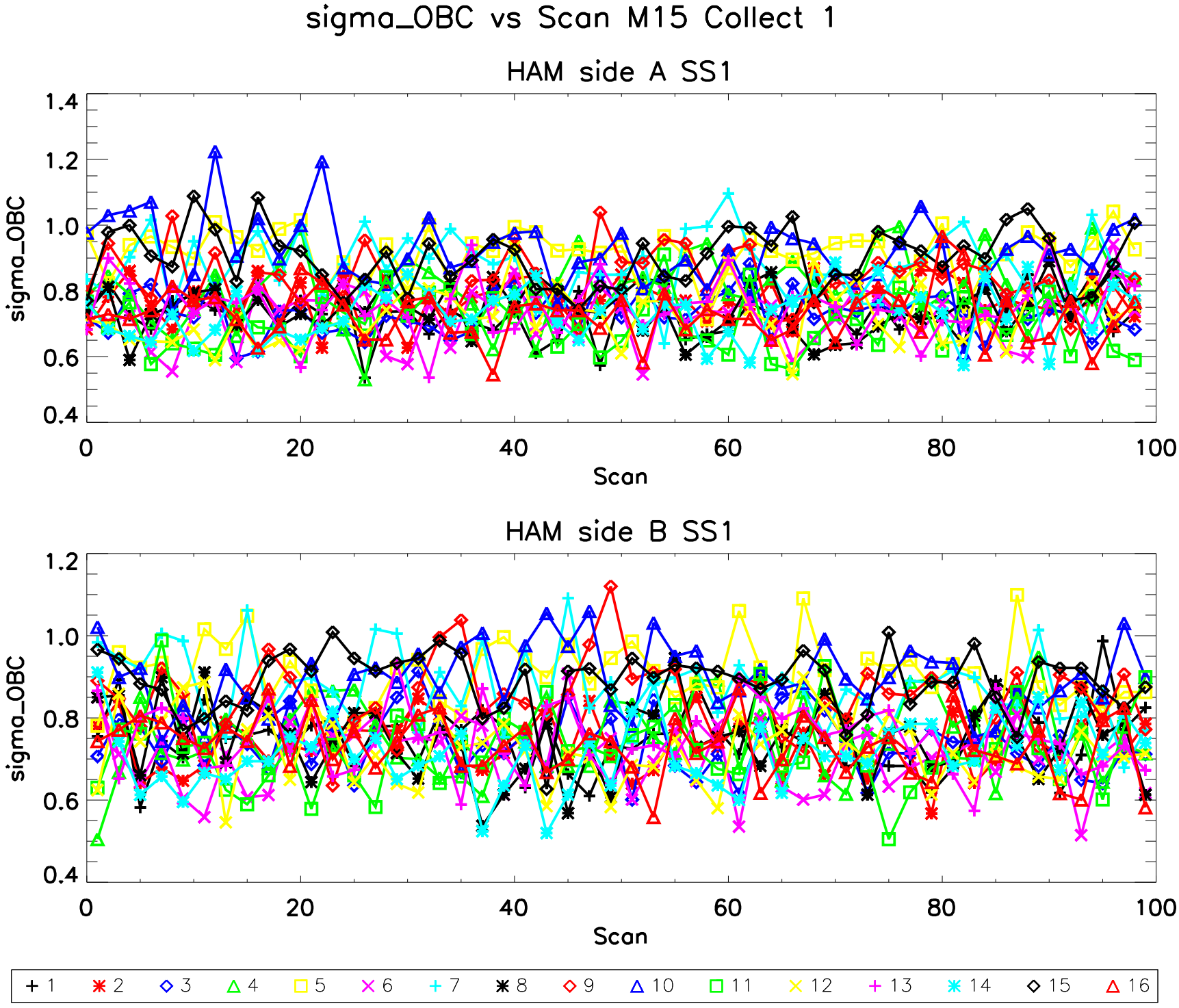

sigma_OBC vs Scan I5 Collect 1
HAM side A SS1
sigma_OBC
4.0
3.5
3.0
2.5
2.0
1.5
0
20
40
60
80
100
Scan
HAM side A SS2
sigma_OBC
4.5
4.0
3.5
3.0
2.5
2.0
1.5
0
20
40
60
80
100
Scan
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

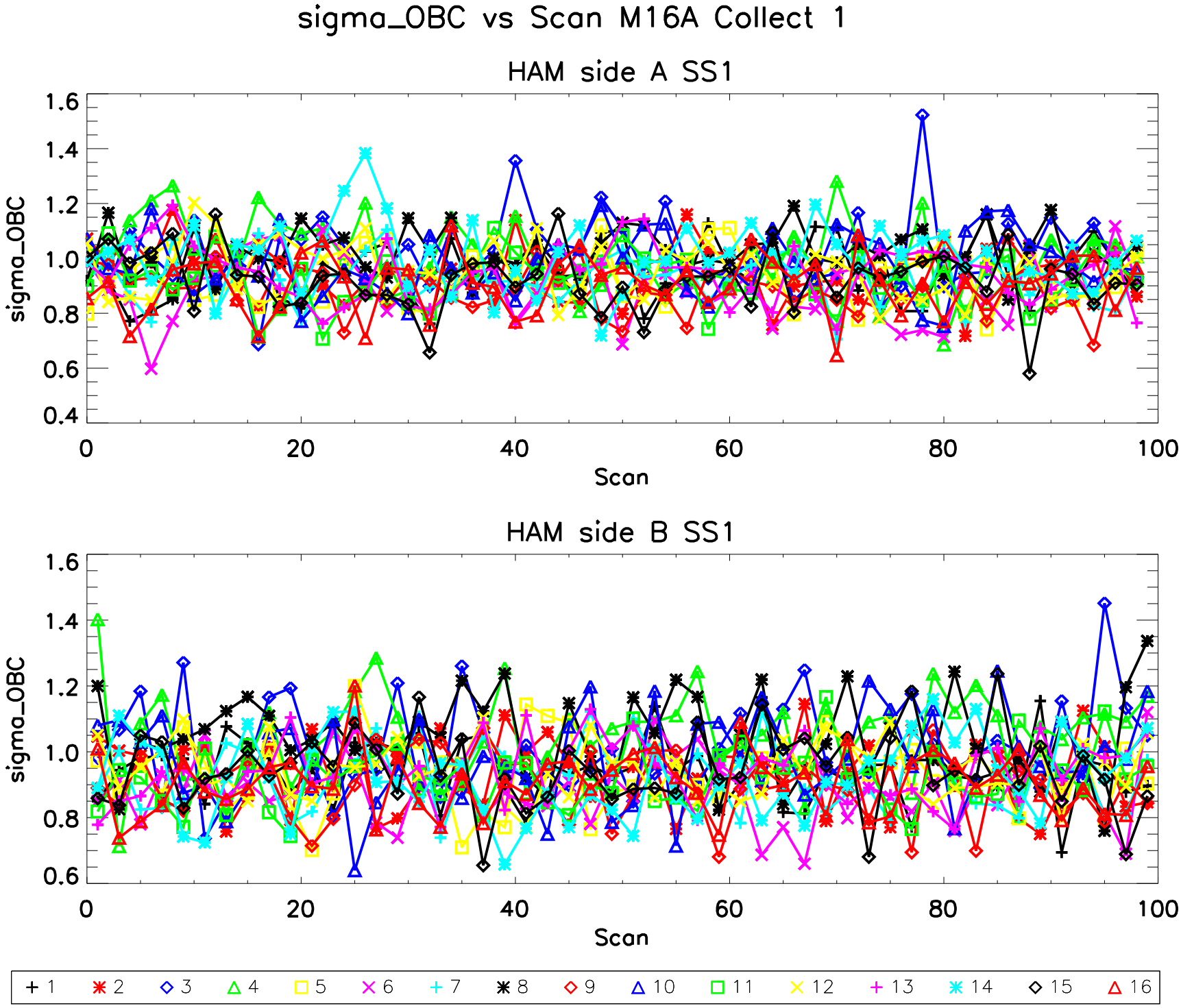

sigma_OBC vs Scan I5 Collect 1
HAM side B SS1
sigma_OBC
4.5
4.0
3.5
3.0
2.5
2.0
1.5
0
20
40
60
80
100
Scan
HAM side B SS2
sigma_OBC
4.0
3.5
3.0
2.5
2.0
1.5
0
20
40
60
80
100
Scan
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

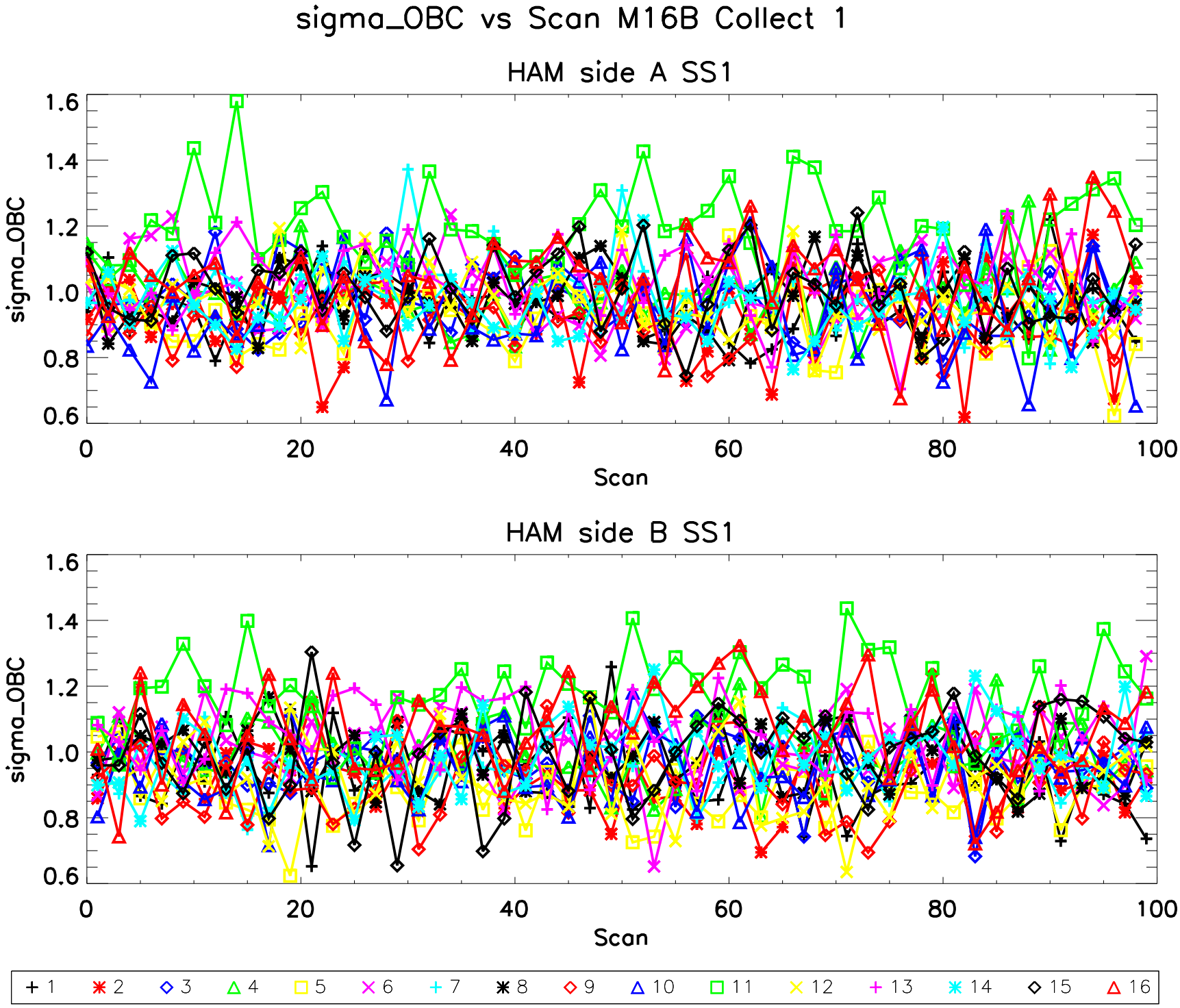

sigma_OBC vs Scan M12 Collect 1
HAM side A SS1
sigma_OBC
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0
20
40
60
80
100
Scan
HAM side B SS1
sigma_OBC
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0
20
40
60
80
100
Scan
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

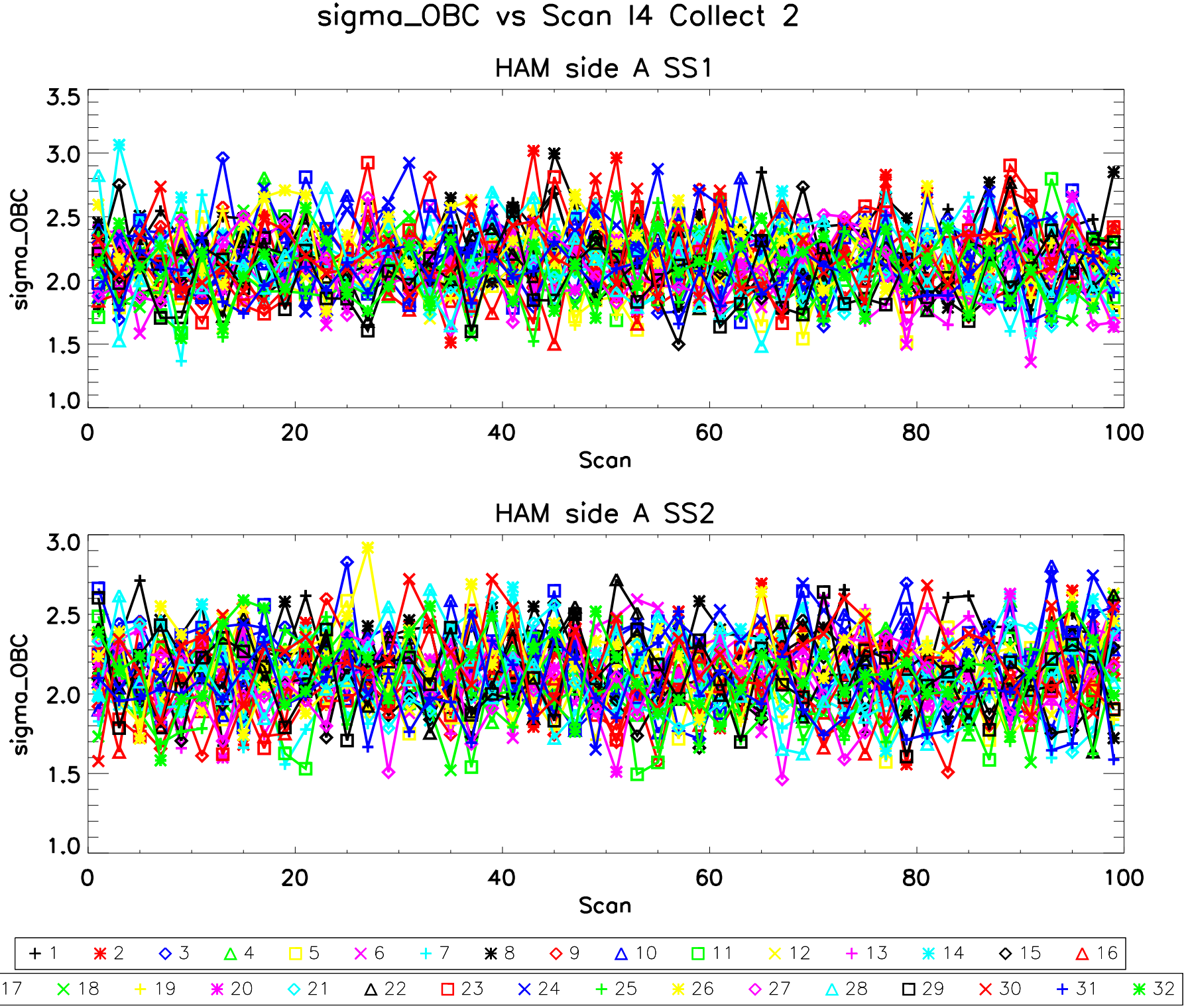

sigma_OBC vs Scan M13 Collect 1
HAM side A SS1
sigma_OBC
1.2
1.0
0.8
0.6
0.4
0
20
40
60
80
100
Scan
HAM side B SS1
sigma_OBC
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0
20
40
60
80
100
Scan
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

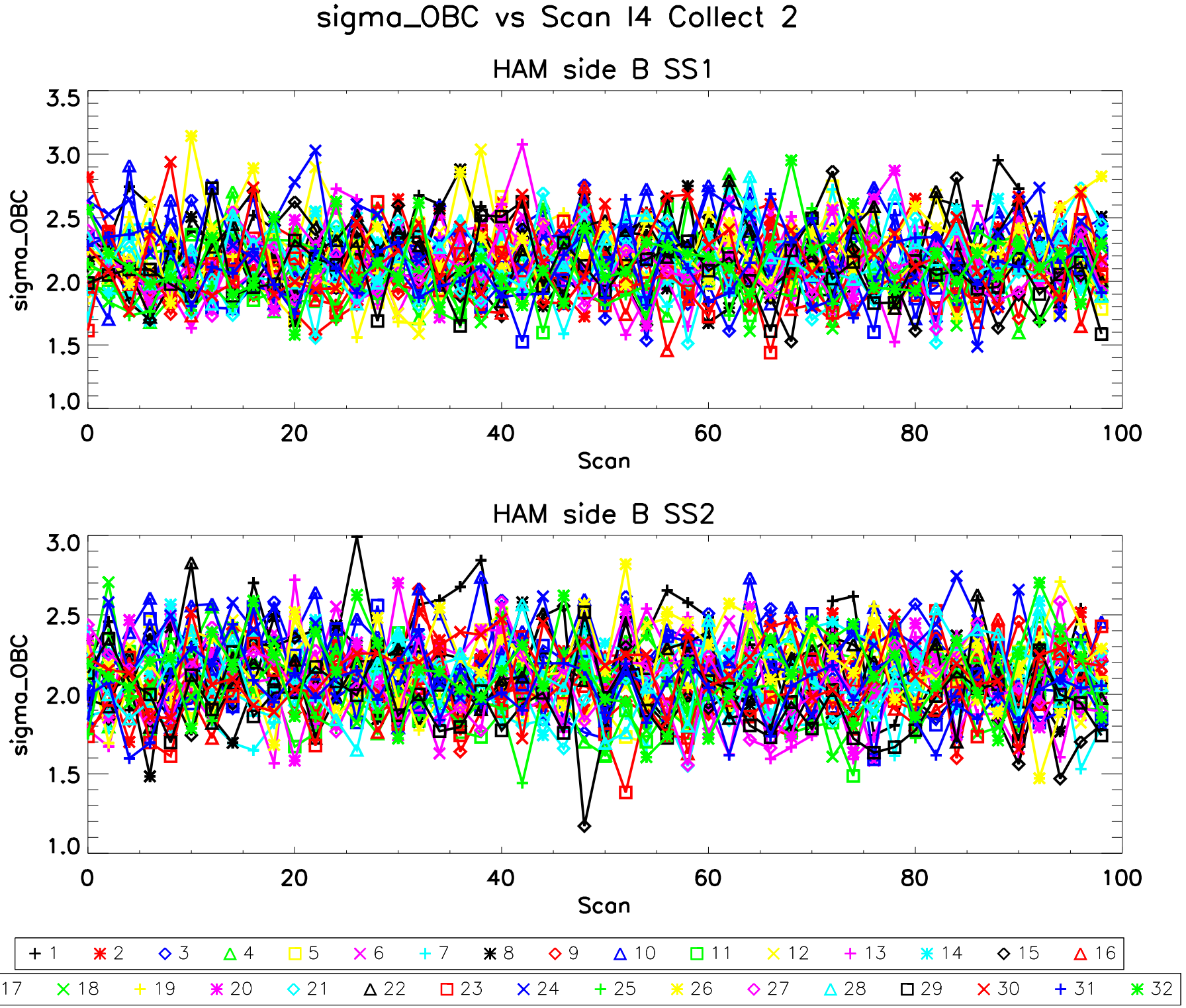

sigma_OBC vs Scan M14 Collect 1
HAM side A SS1
sigma_OBC
1.6
1.4
1.2
1.0
0.8
0.6
0
20
40
60
80
100
Scan
HAM side B SS1
sigma_OBC
1.4
1.2
1.0
0.8
0.6
0.4
0
20
40
60
80
100
Scan
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

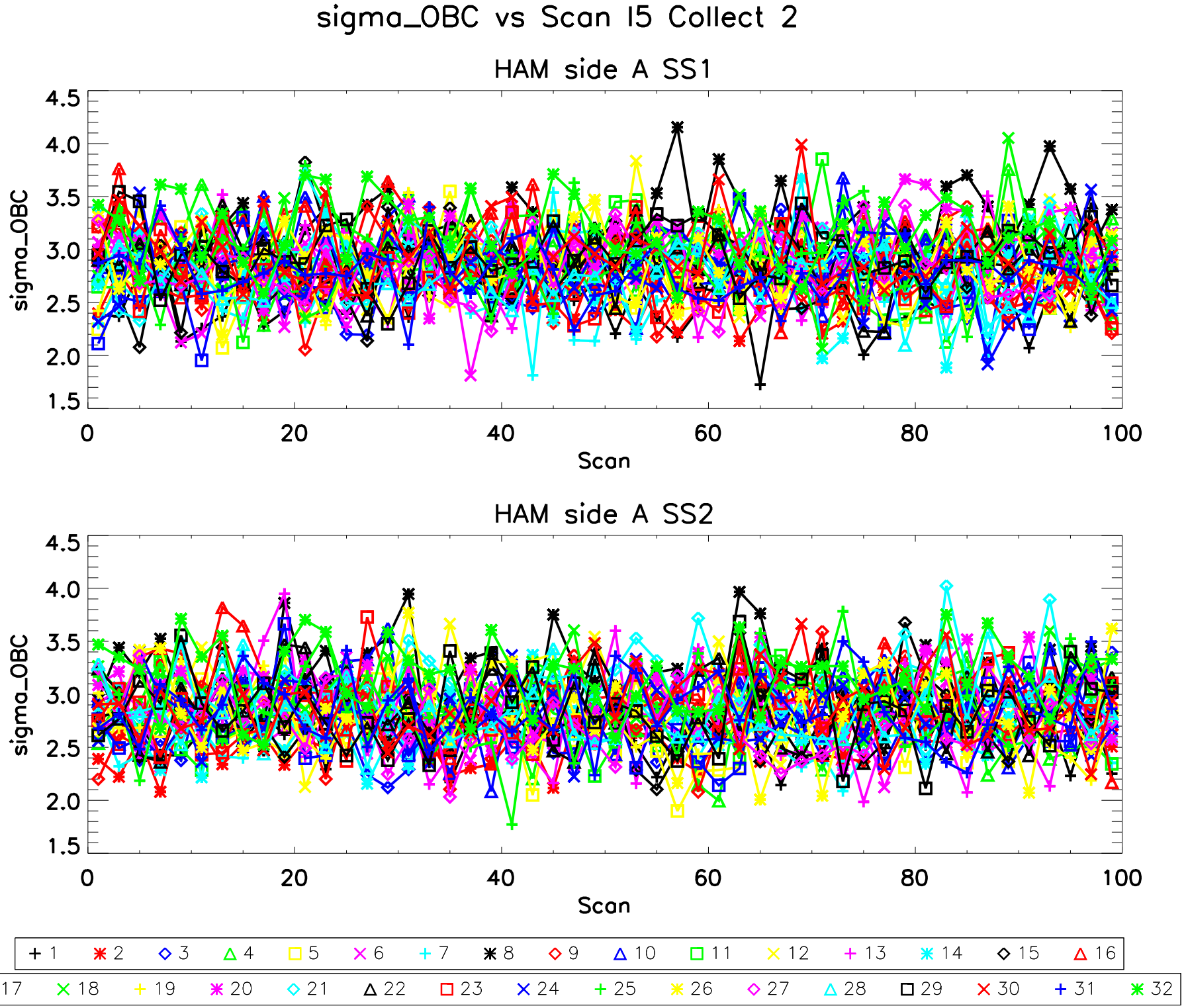

sigma_OBC vs Scan M15 Collect 1
HAM side A SS1
sigma_OBC
1.4
1.2
1.0
0.8
0.6
0.4
0
20
40
60
80
100
Scan
HAM side B SS1
sigma_OBC
1.2
1.0
0.8
0.6
0.4
0
20
40
60
80
100
Scan
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

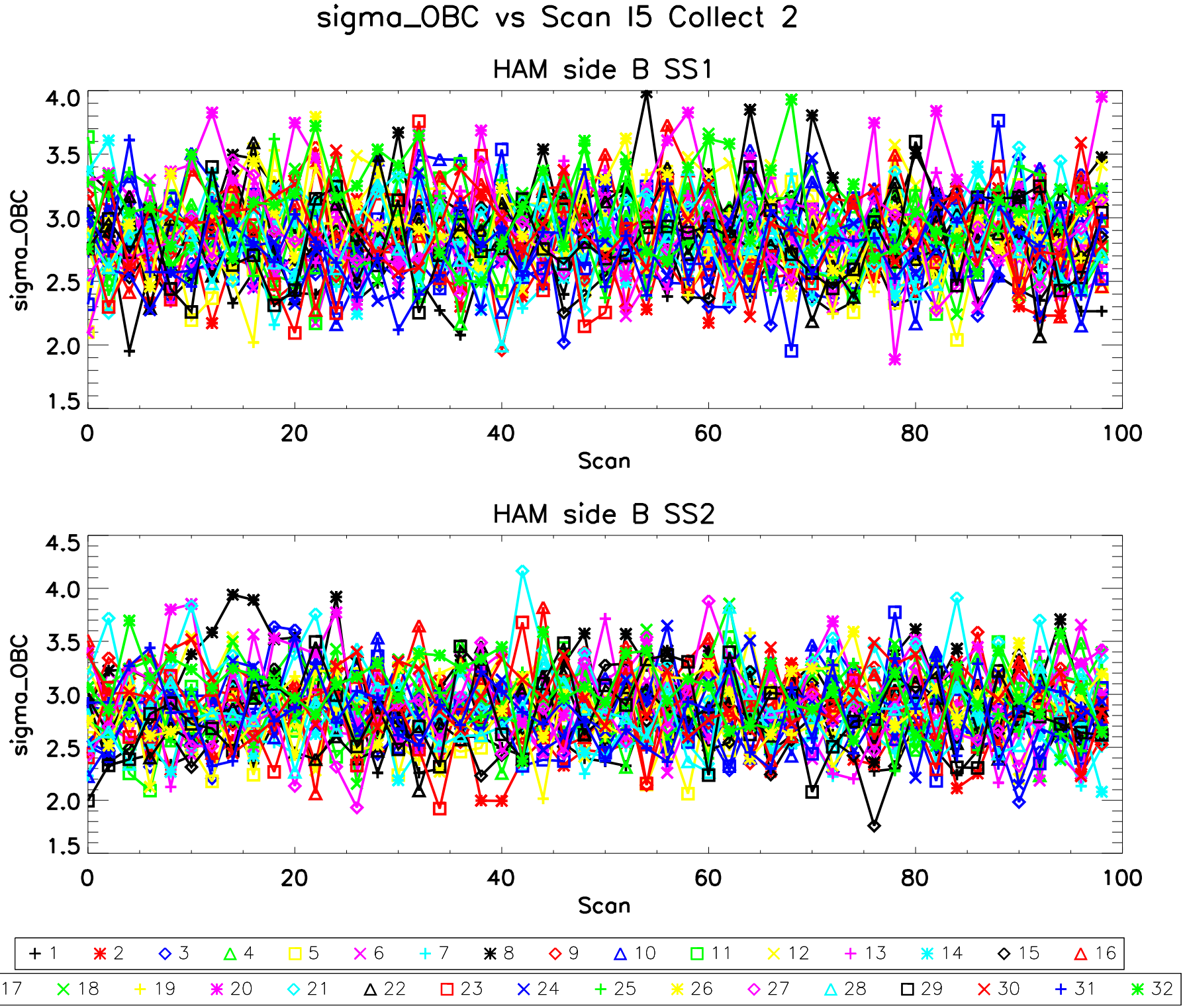

sigma_OBC vs Scan M16A Collect 1
HAM side A SS1
sigma_OBC
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0
20
40
60
80
100
Scan
HAM side B SS1
sigma_OBC
1.6
1.4
1.2
1.0
0.8
0.6
0
20
40
60
80
100
Scan
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

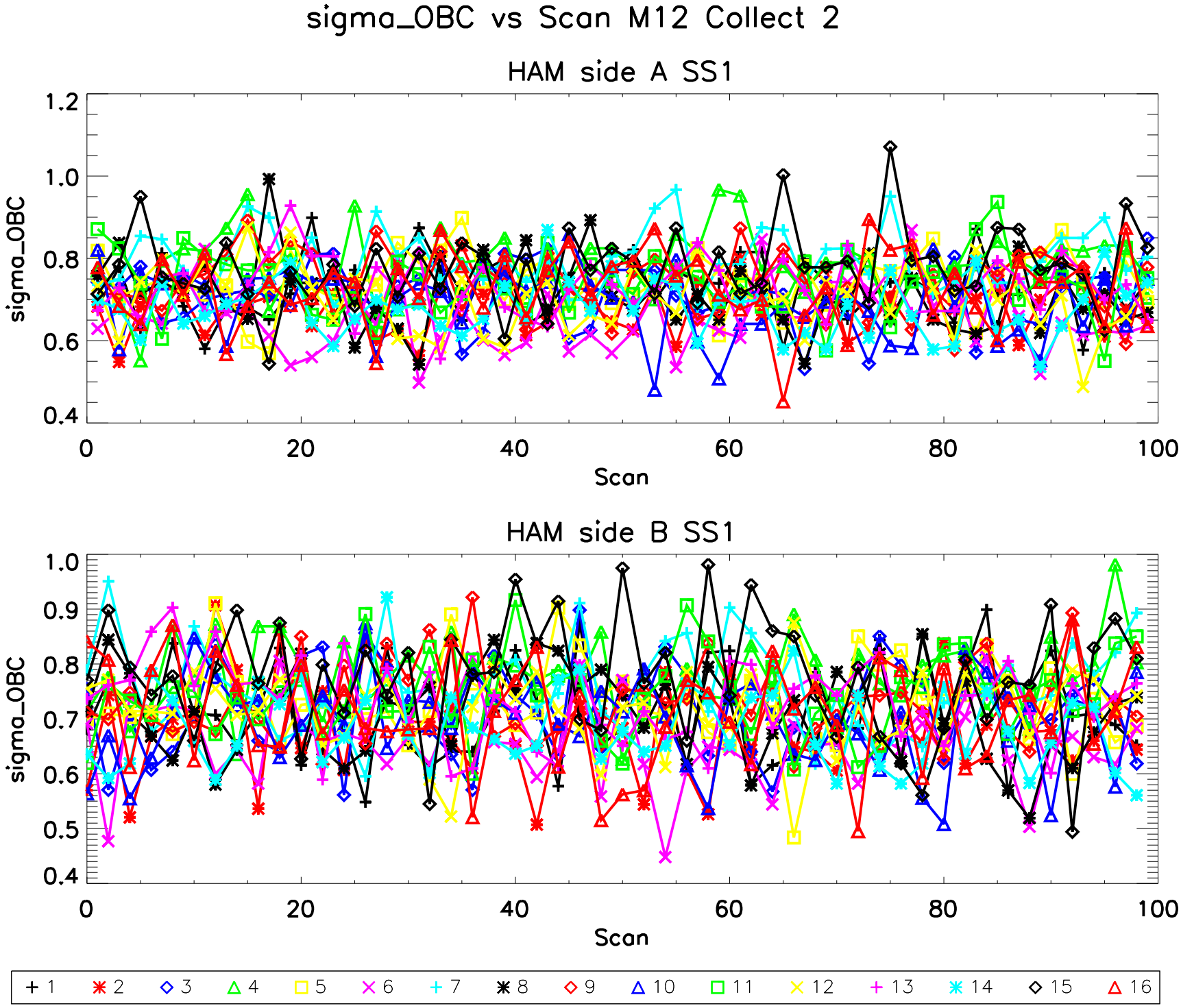

sigma_OBC vs Scan M16B Collect 1
HAM side A SS1
sigma_OBC
1.6
1.4
1.2
1.0
0.8
0.6
0
20
40
60
80
100
Scan
HAM side B SS1
sigma_OBC
1.6
1.4
1.2
1.0
0.8
0.6
0
20
40
60
80
100
Scan
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

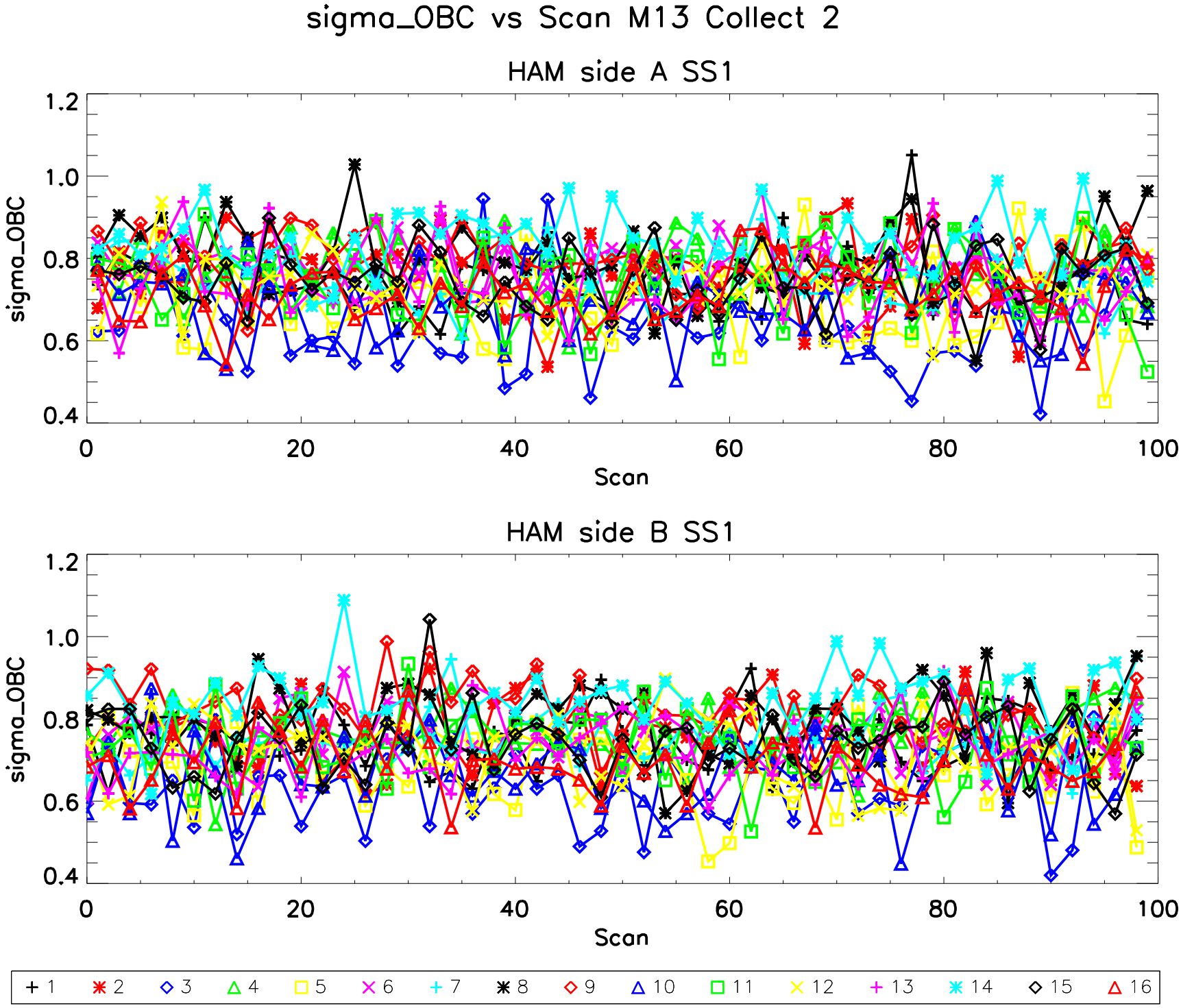

sigma_OBC vs Scan I4 Collect 2
HAM side A SS1
sigma_OBC
3.5
3.0
2.5
2.0
1.5
1.0
0
20
40
60
80
100
Scan
HAM side A SS2
sigma_OBC
3.0
2.5
2.0
1.5
1.0
0
20
40
60
80
100
Scan
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

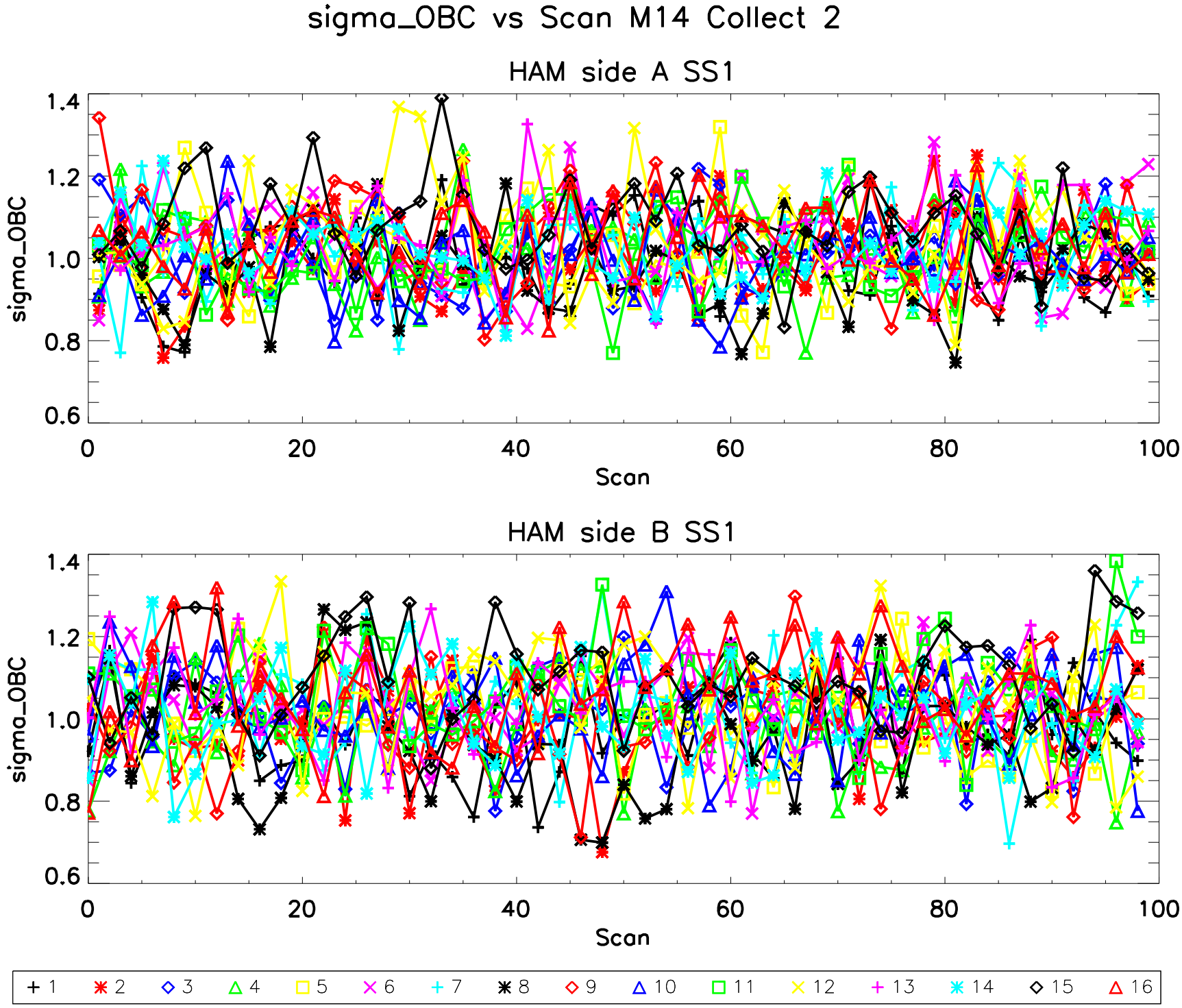

sigma_OBC vs Scan I4 Collect 2
HAM side B SS1
sigma_OBC
3.5
3.0
2.5
2.0
1.5
1.0
0
20
40
60
80
100
Scan
HAM side B SS2
sigma_OBC
3.0
2.5
2.0
1.5
1.0
0
20
40
60
80
100
Scan
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

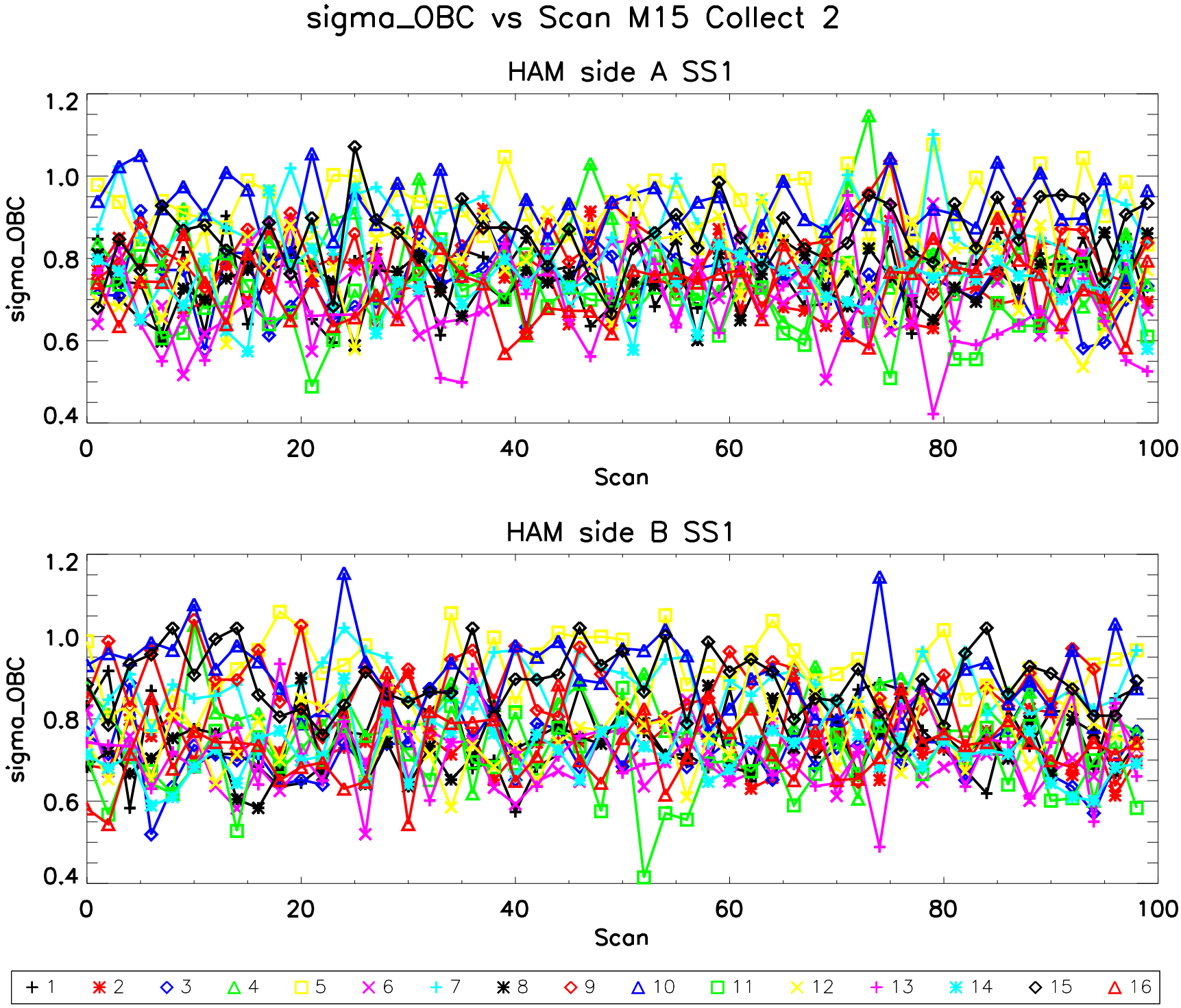

sigma_OBC vs Scan I5 Collect 2
HAM side A SS1
sigma_OBC
4.5
4.0
3.5
3.0
2.5
2.0
1.5
0
20
40
60
80
100
Scan
HAM side A SS2
sigma_OBC
4.5
4.0
3.5
3.0
2.5
2.0
1.5
0
20
40
60
80
100
Scan
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

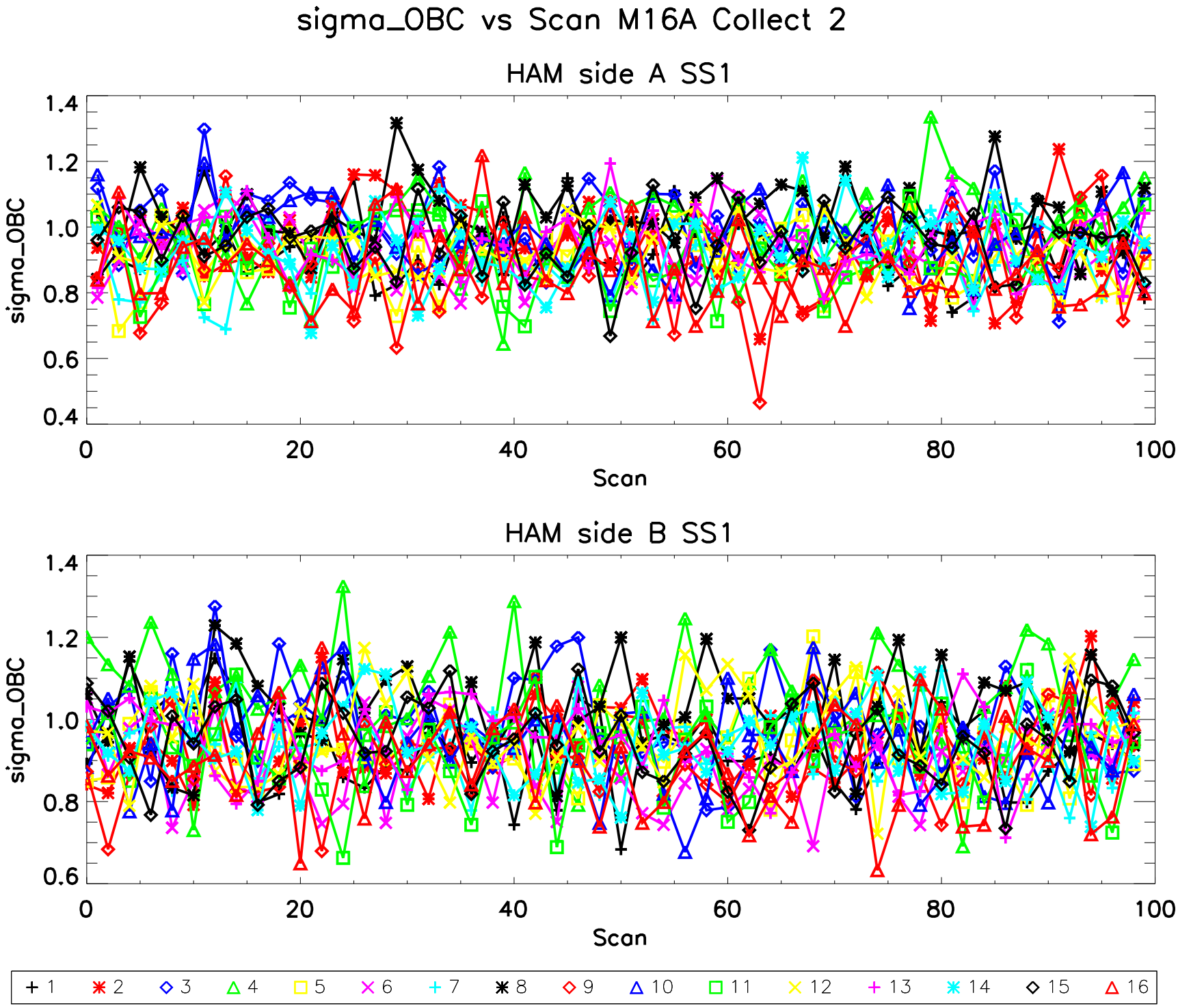

sigma_OBC vs Scan I5 Collect 2
HAM side B SS1
sigma_OBC
4.0
3.5
3.0
2.5
2.0
1.5
0
20
40
60
80
100
Scan
HAM side B SS2
sigma_OBC
4.5
4.0
3.5
3.0
2.5
2.0
1.5
0
20
40
60
80
100
Scan
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

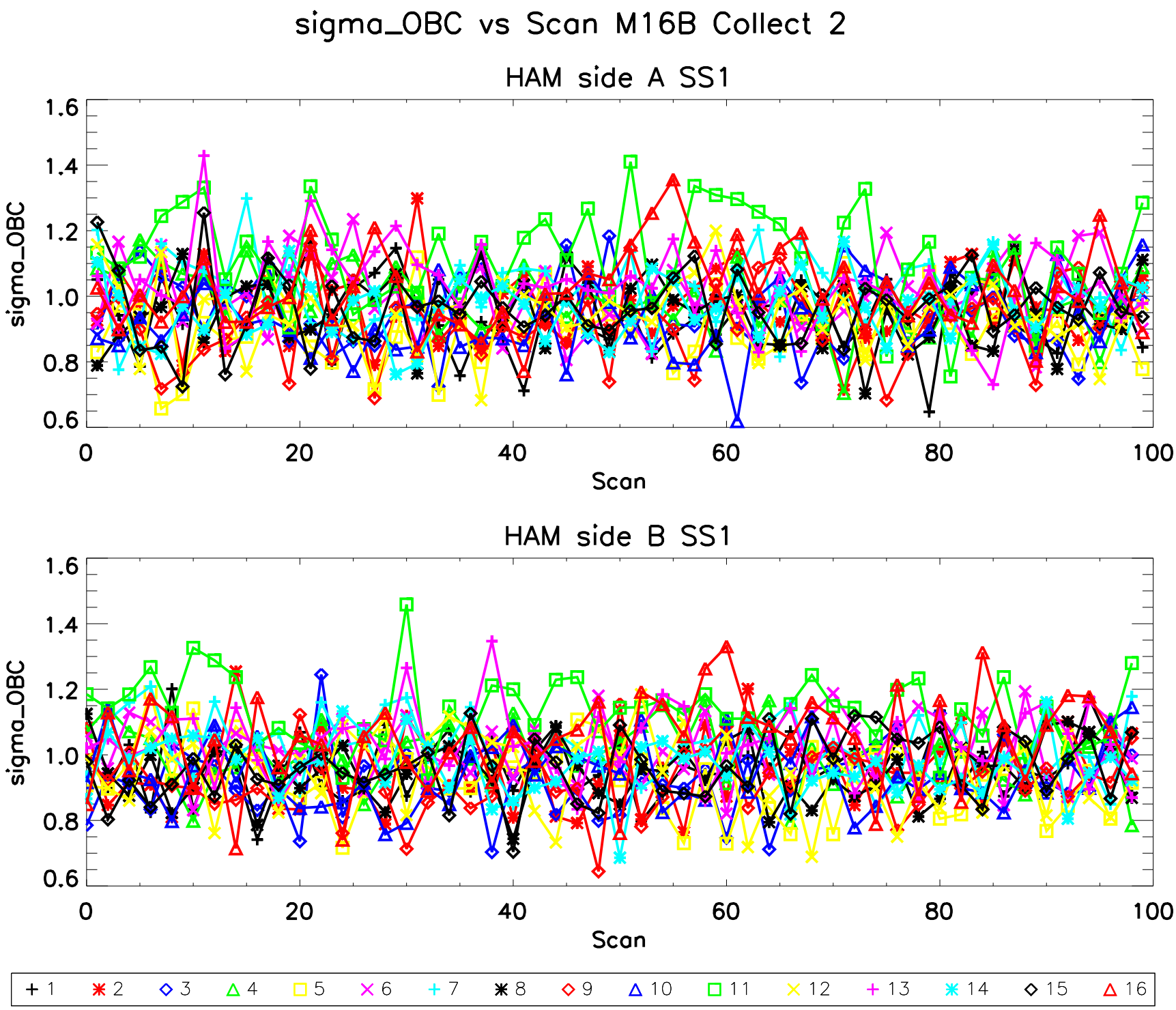

sigma_OBC vs Scan M12 Collect 2
HAM side A SS1
sigma_OBC
1.2
1.0
0.8
0.6
0.4
0
20
40
60
80
100
Scan
HAM side B SS1
sigma_OBC
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0
20
40
60
80
100
Scan
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

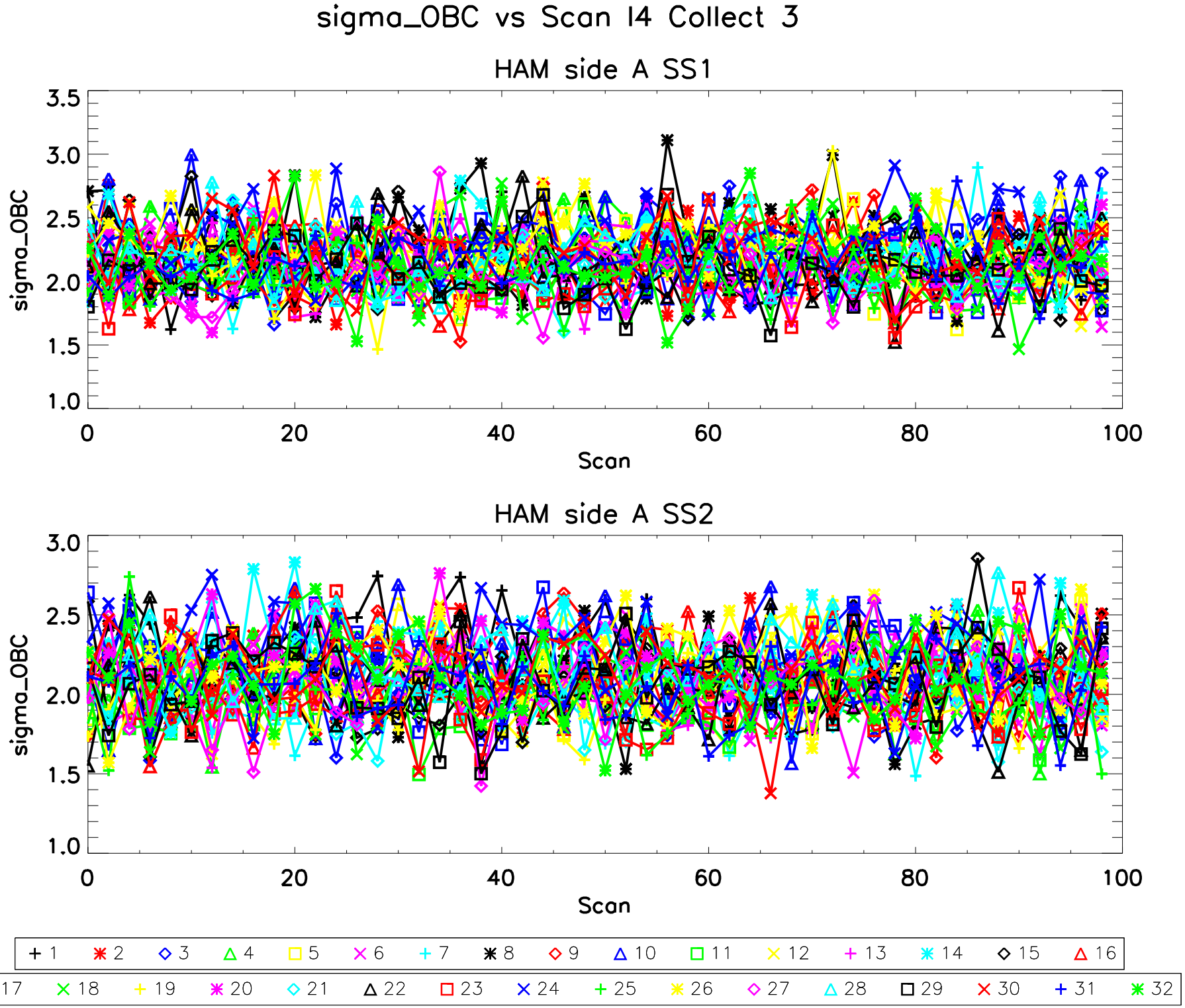

sigma_OBC vs Scan M13 Collect 2
HAM side A SS1
sigma_OBC
1.2
1.0
0.8
0.6
0.4
0
20
40
60
80
100
Scan
HAM side B SS1
sigma_OBC
1.2
1.0
0.8
0.6
0.4
0
20
40
60
80
100
Scan
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

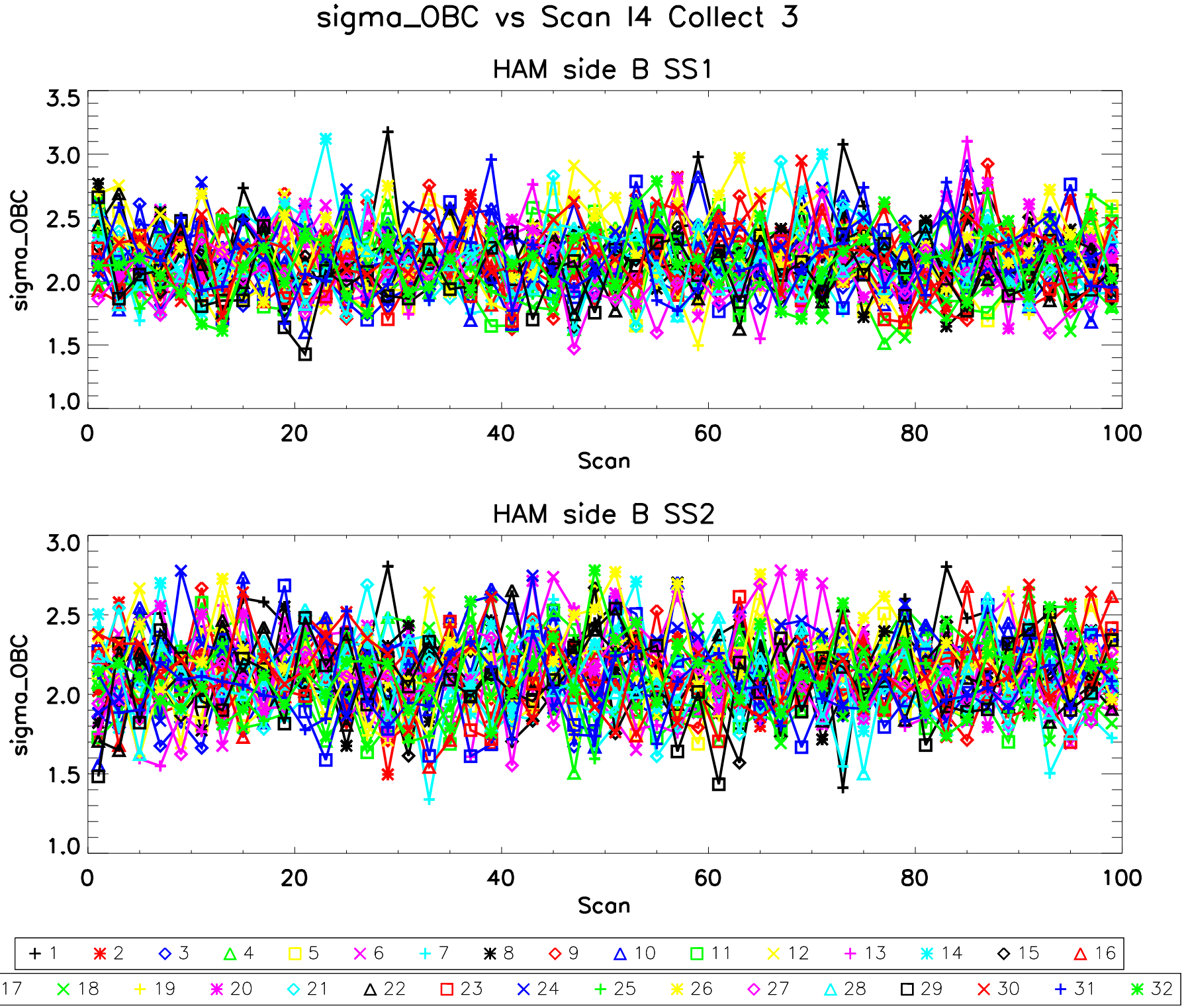

sigma_OBC vs Scan M14 Collect 2
HAM side A SS1
sigma_OBC
1.4
1.2
1.0
0.8
0.6
0
20
40
60
80
100
Scan
HAM side B SS1
sigma_OBC
1.4
1.2
1.0
0.8
0.6
0
20
40
60
80
100
Scan
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

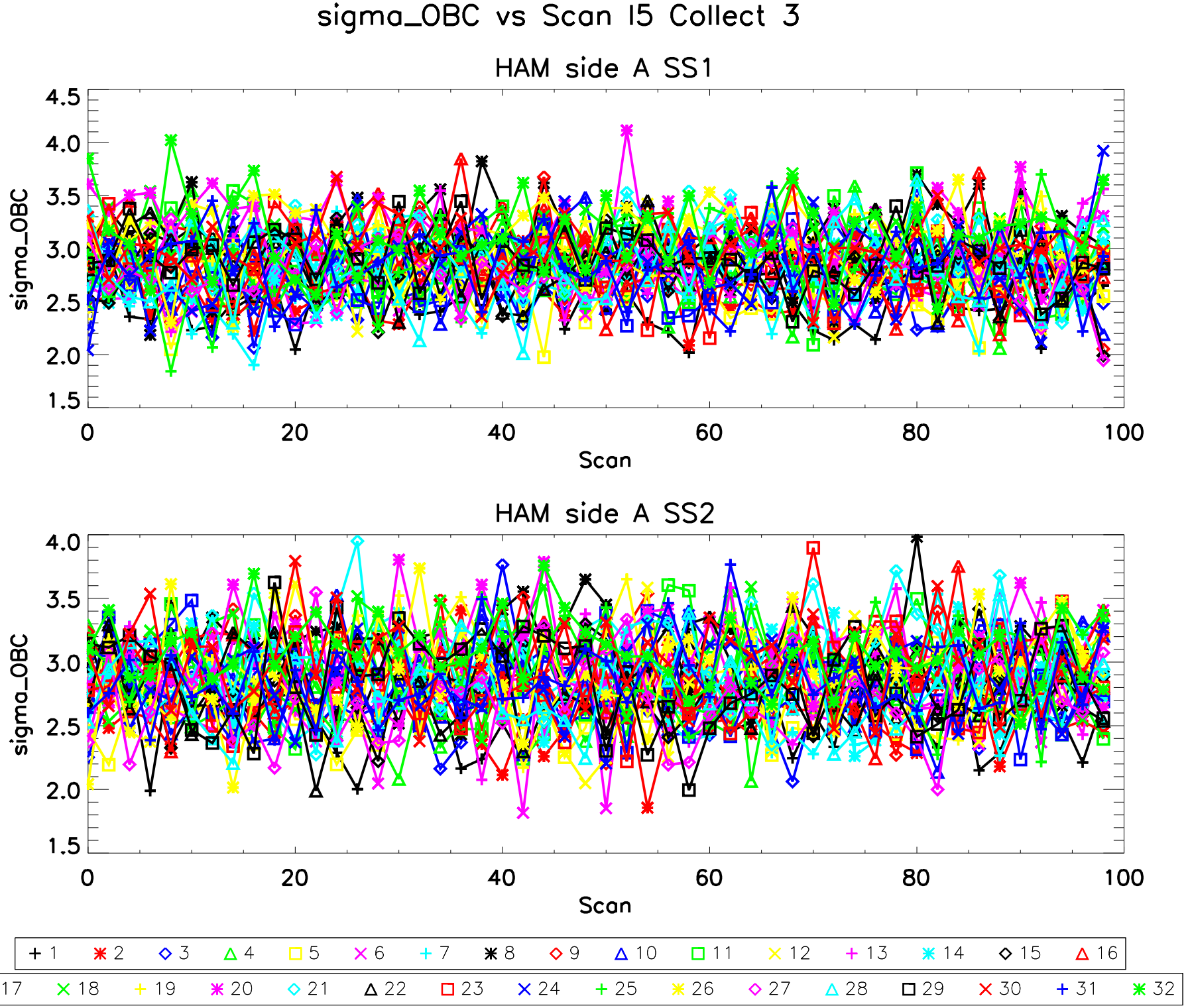

sigma_OBC vs Scan M15 Collect 2
HAM side A SS1
sigma_OBC
1.2
1.0
0.8
0.6
0.4
0
20
40
60
80
100
Scan
HAM side B SS1
sigma_OBC
1.2
1.0
0.8
0.6
0.4
0
20
40
60
80
100
Scan
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

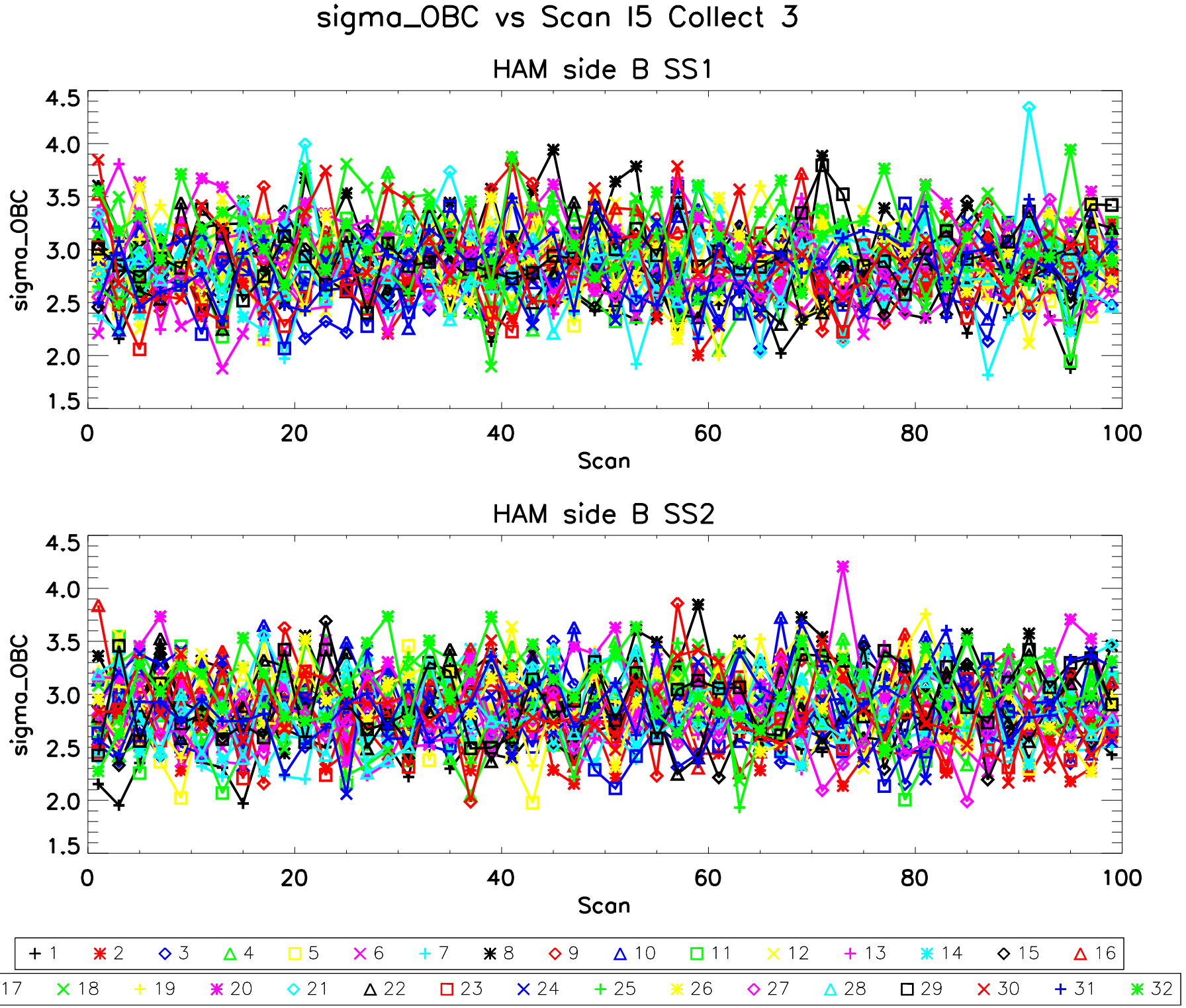

sigma_OBC vs Scan M16A Collect 2
HAM side A SS1
sigma_OBC
1.4
1.2
1.0
0.8
0.6
0.4
0
20
40
60
80
100
Scan
HAM side B SS1
sigma_OBC
1.4
1.2
1.0
0.8
0.6
0
20
40
60
80
100
Scan
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

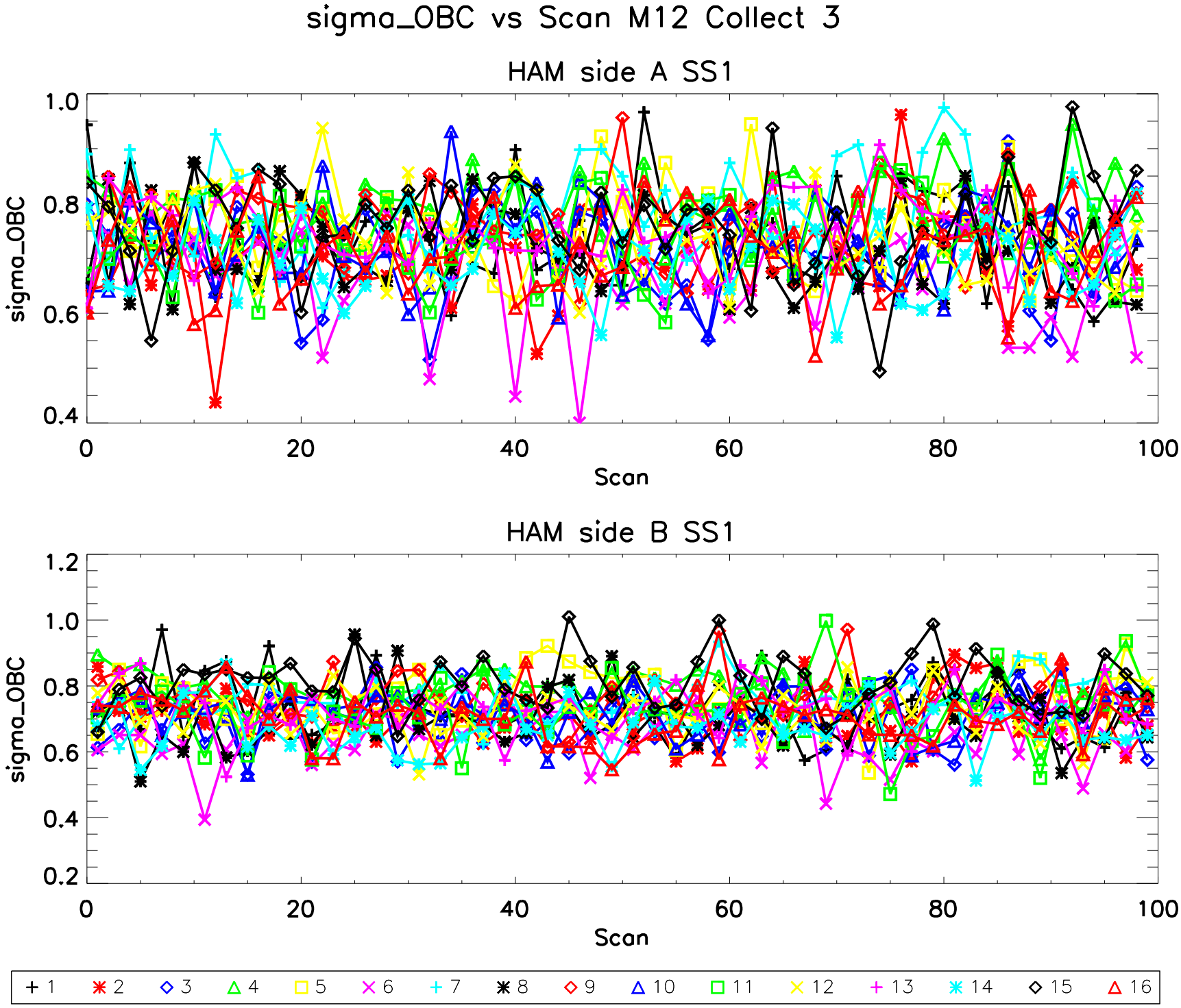

sigma_OBC vs Scan M16B Collect 2
HAM side A SS1
sigma_OBC
1.6
1.4
1.2
1.0
0.8
0.6
0
20
40
60
80
100
Scan
HAM side B SS1
sigma_OBC
1.6
1.4
1.2
1.0
0.8
0.6
0
20
40
60
80
100
Scan
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

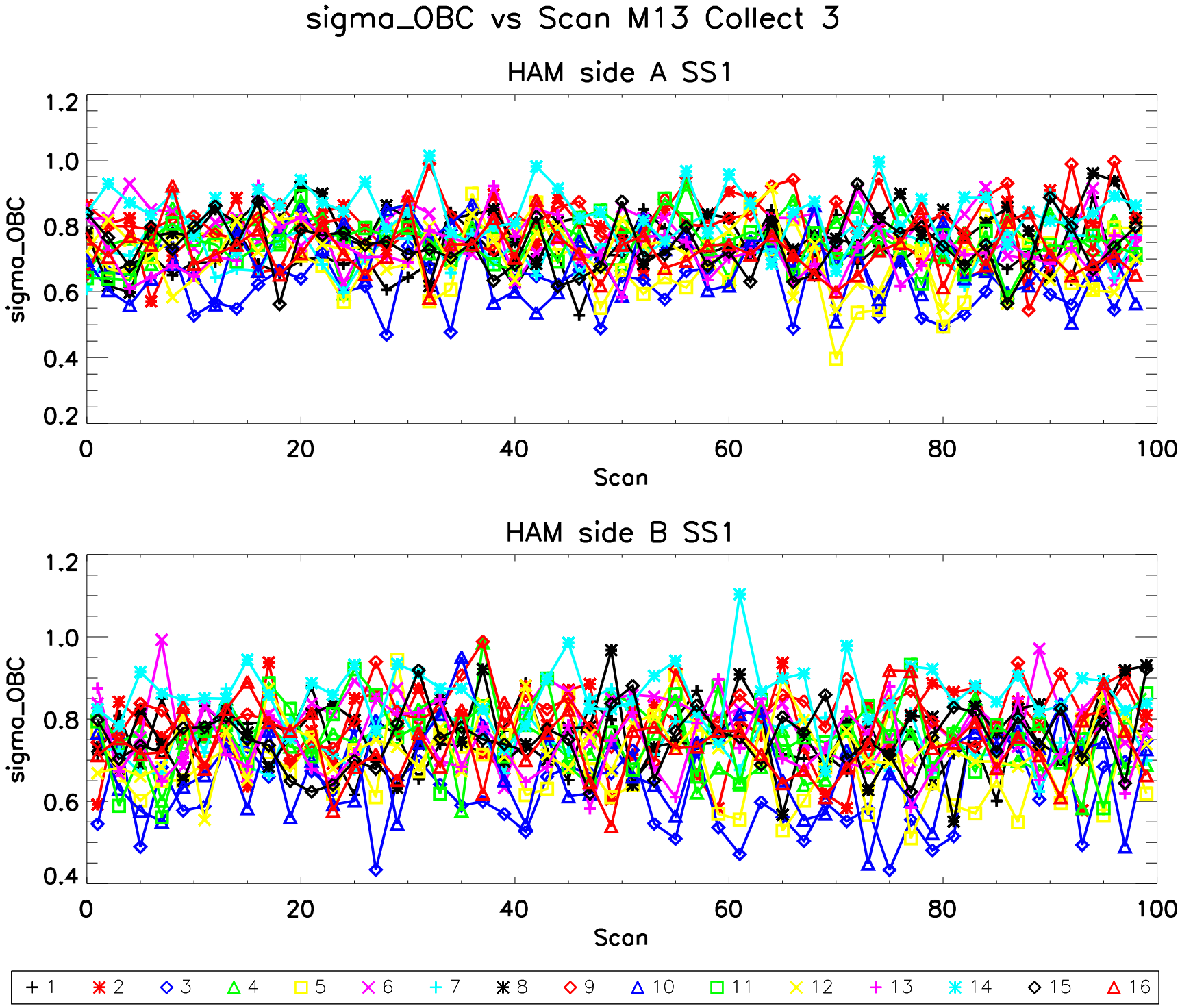

sigma_OBC vs Scan I4 Collect 3
HAM side A SS1
sigma_OBC
3.5
3.0
2.5
2.0
1.5
1.0
0
20
40
60
80
100
Scan
HAM side A SS2
sigma_OBC
3.0
2.5
2.0
1.5
1.0
0
20
40
60
80
100
Scan
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

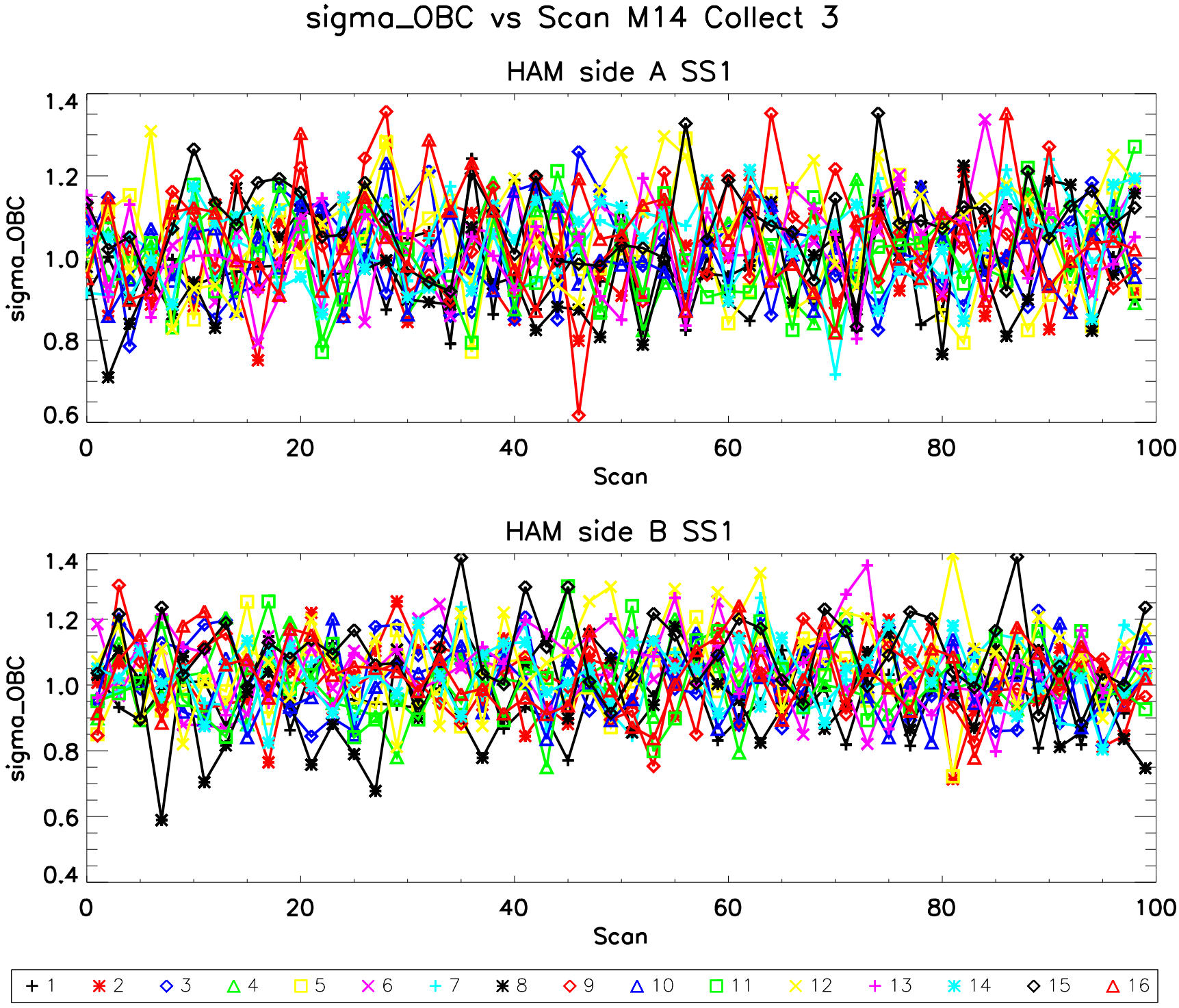

sigma_OBC vs Scan I4 Collect 3
HAM side B SS1
sigma_OBC
3.5
3.0
2.5
2.0
1.5
1.0
0
20
40
60
80
100
Scan
HAM side B SS2
sigma_OBC
3.0
2.5
2.0
1.5
1.0
0
20
40
60
80
100
Scan
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

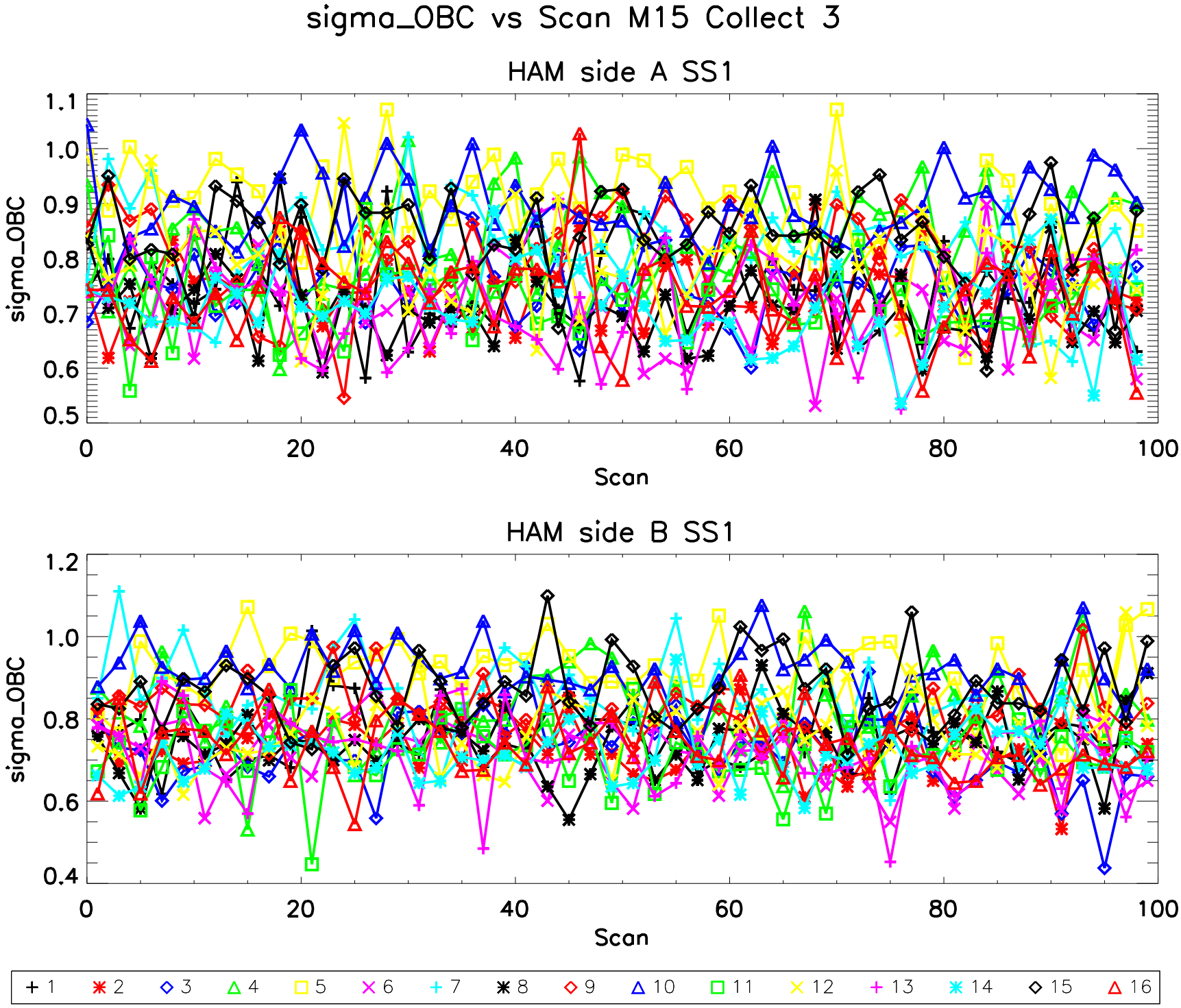

sigma_OBC vs Scan I5 Collect 3
HAM side A SS1
sigma_OBC
4.5
4.0
3.5
3.0
2.5
2.0
1.5
0
20
40
60
80
100
Scan
HAM side A SS2
sigma_OBC
4.0
3.5
3.0
2.5
2.0
1.5
0
20
40
60
80
100
Scan
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

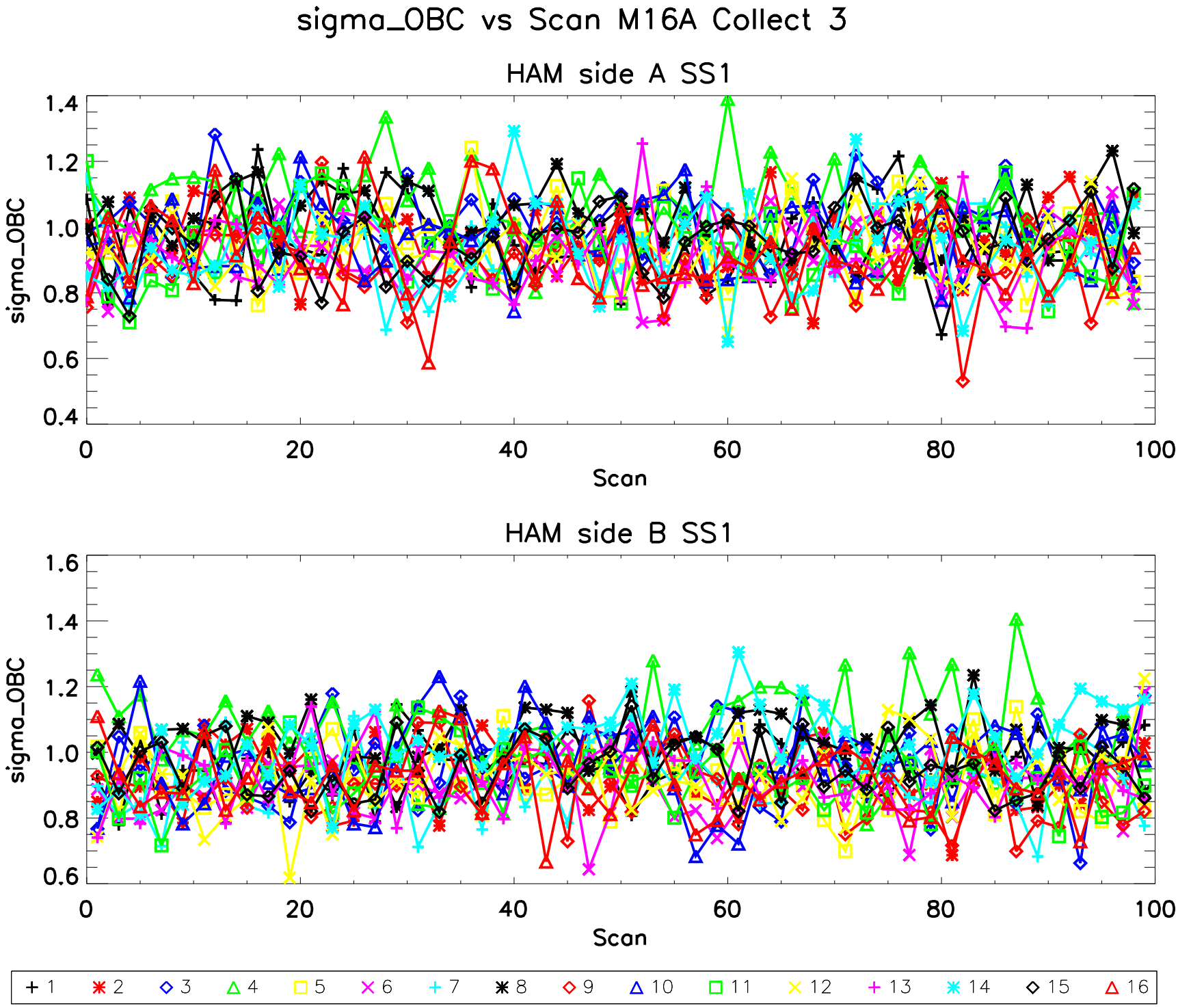

sigma_OBC vs Scan I5 Collect 3
HAM side B SS1
sigma_OBC
4.5
4.0
3.5
3.0
2.5
2.0
1.5
0
20
40
60
80
100
Scan
HAM side B SS2
sigma_OBC
4.5
4.0
3.5
3.0
2.5
2.0
1.5
0
20
40
60
80
100
Scan
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

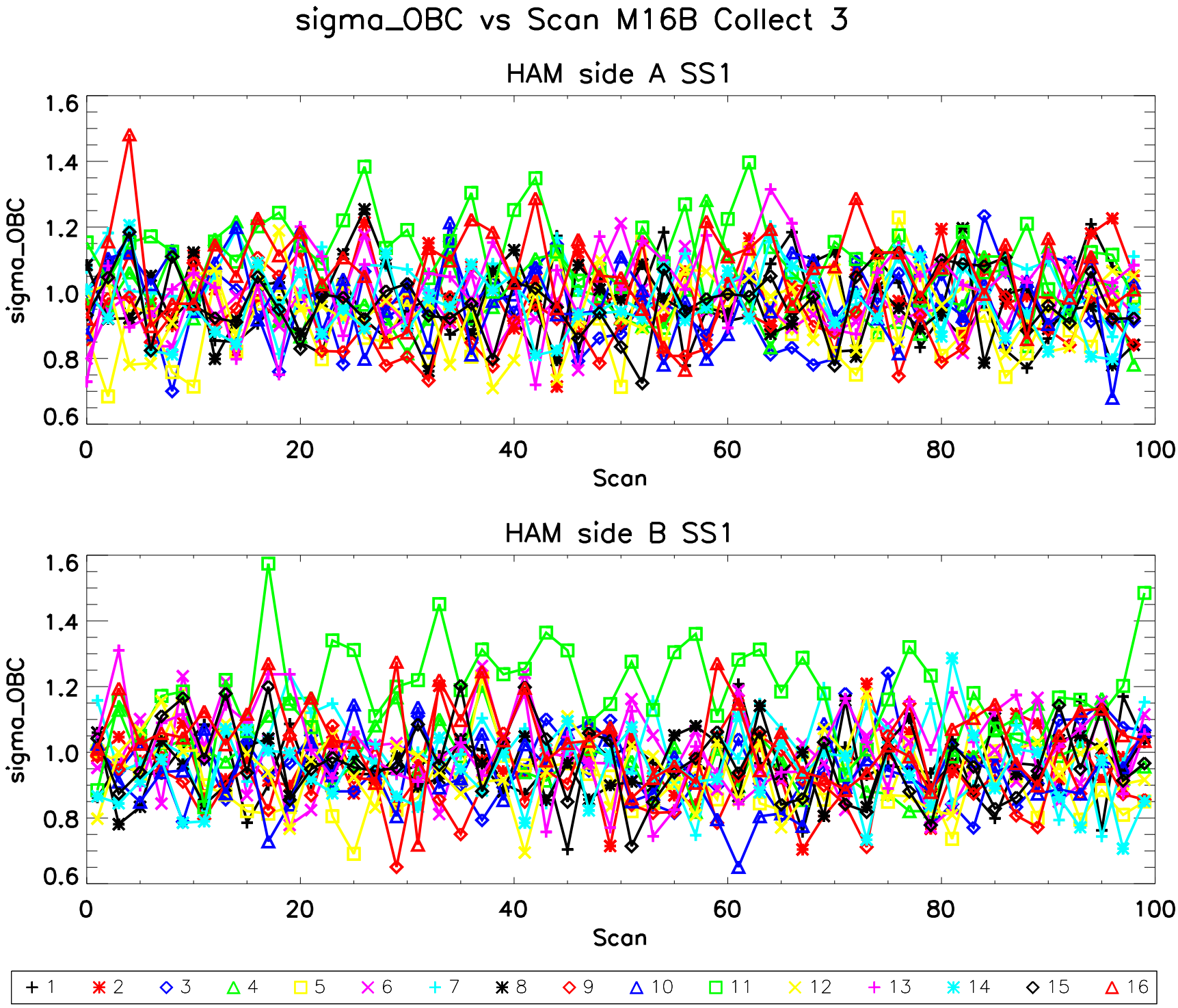

sigma_OBC vs Scan M12 Collect 3
HAM side A SS1
sigma_OBC
1.0
0.8
0.6
0.4
0
20
40
60
80
100
Scan
HAM side B SS1
sigma_OBC
1.2
1.0
0.8
0.6
0.4
0.2
0
20
40
60
80
100
Scan
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16


sigma_OBC vs Scan M13 Collect 3
HAM side A SS1
sigma_OBC
1.2
1.0
0.8
0.6
0.4
0.2
0
20
40
60
80
100
Scan
HAM side B SS1
sigma_OBC
1.2
1.0
0.8
0.6
0.4
0
20
40
60
80
100
Scan
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16


sigma_OBC vs Scan M14 Collect 3
HAM side A SS1
sigma_OBC
1.4
1.2
1.0
0.8
0.6
0
20
40
60
80
100
Scan
HAM side B SS1
sigma_OBC
1.4
1.2
1.0
0.8
0.6
0.4
0
20
40
60
80
100
Scan
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16


sigma_OBC vs Scan M15 Collect 3
HAM side A SS1
sigma_OBC
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0
20
40
60
80
100
Scan
HAM side B SS1
sigma_OBC
1.2
1.0
0.8
0.6
0.4
0
20
40
60
80
100
Scan
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16


sigma_OBC vs Scan M16A Collect 3
HAM side A SS1
sigma_OBC
1.4
1.2
1.0
0.8
0.6
0.4
0
20
40
60
80
100
Scan
HAM side B SS1
sigma_OBC
1.6
1.4
1.2
1.0
0.8
0.6
0
20
40
60
80
100
Scan
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16


sigma_OBC vs Scan M16B Collect 3
HAM side A SS1
sigma_OBC
1.6
1.4
1.2
1.0
0.8
0.6
0
20
40
60
80
100
Scan
HAM side B SS1
sigma_OBC
1.6
1.4
1.2
1.0
0.8
0.6
0
20
40
60
80
100
Scan
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16