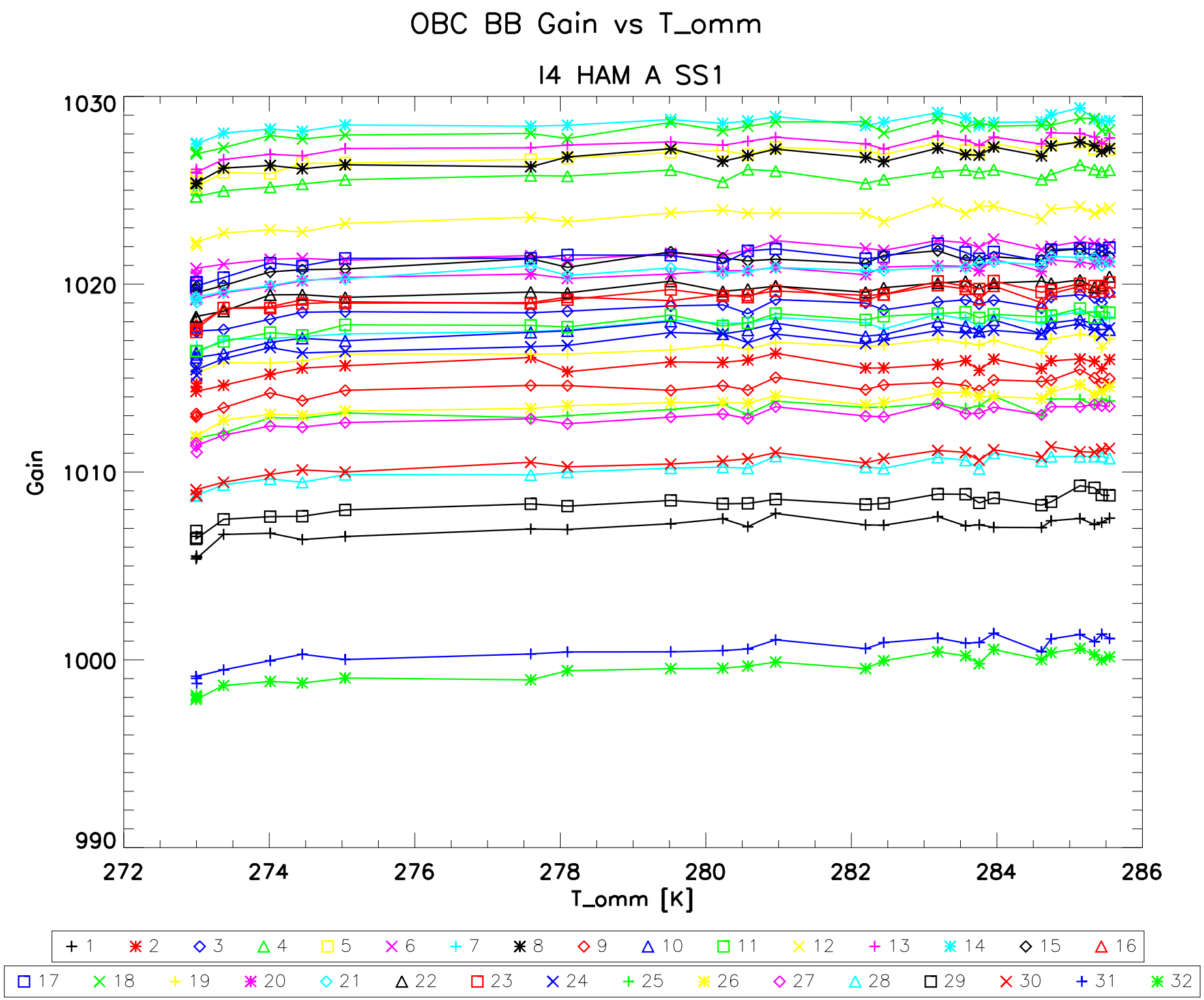
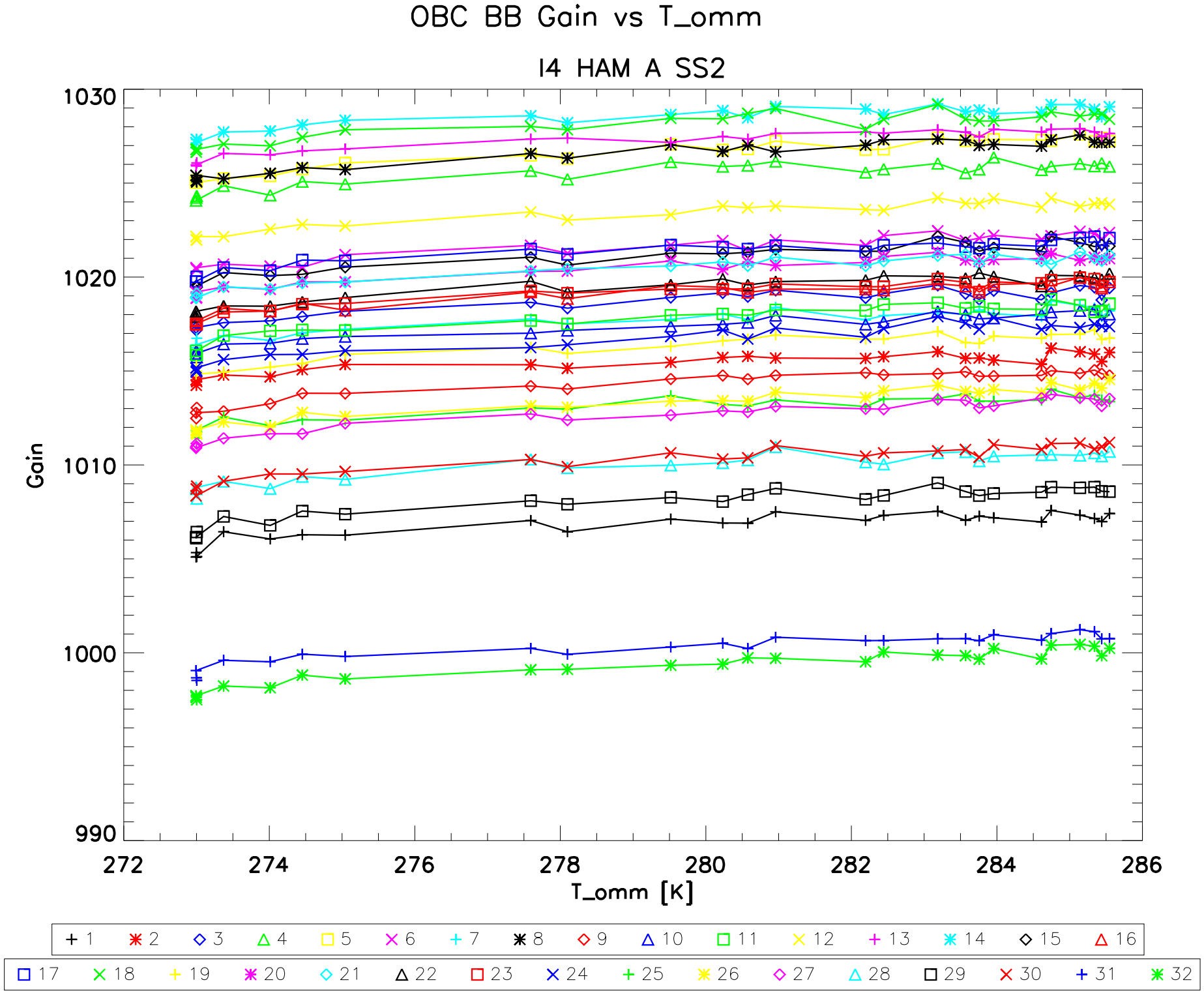
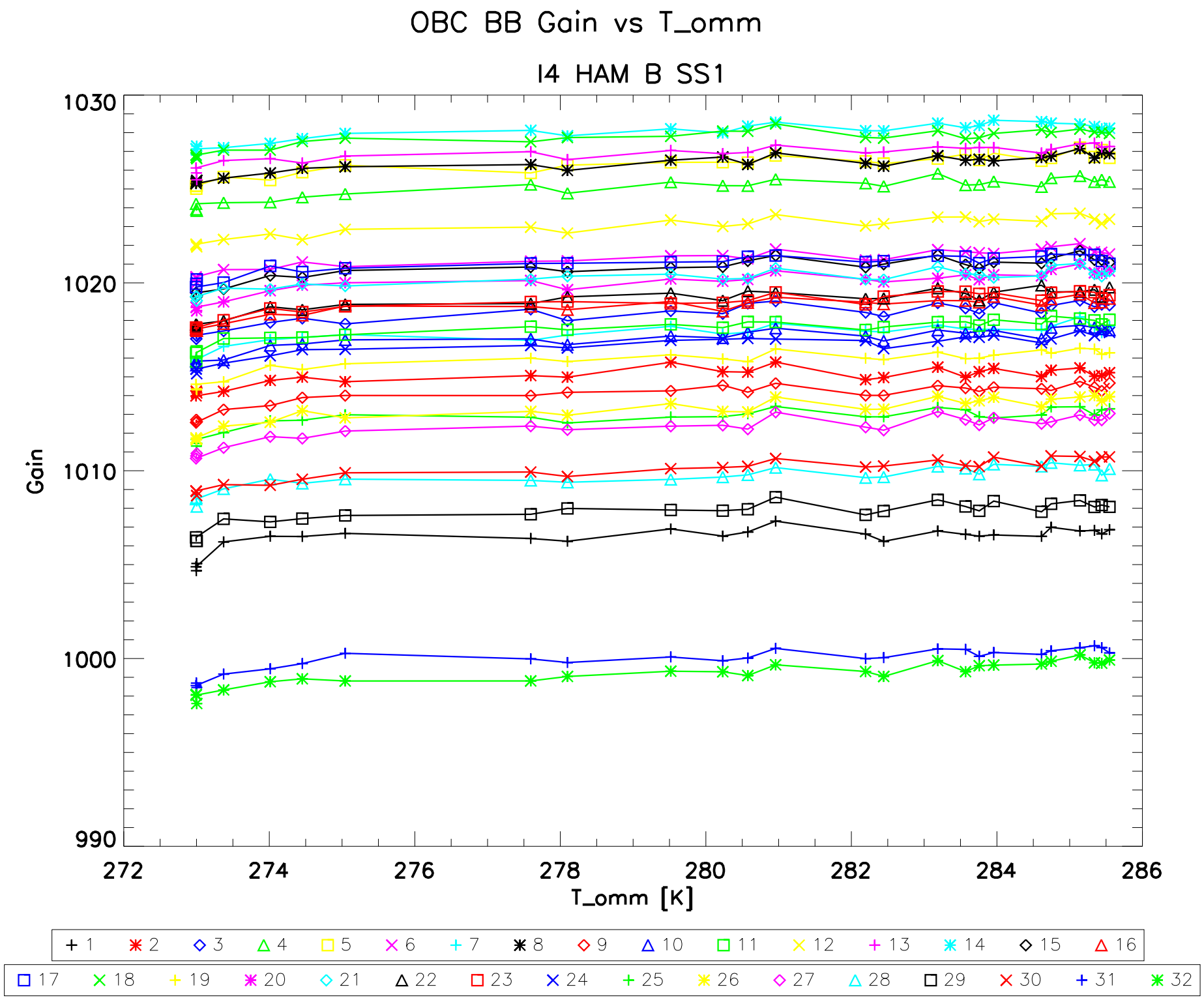
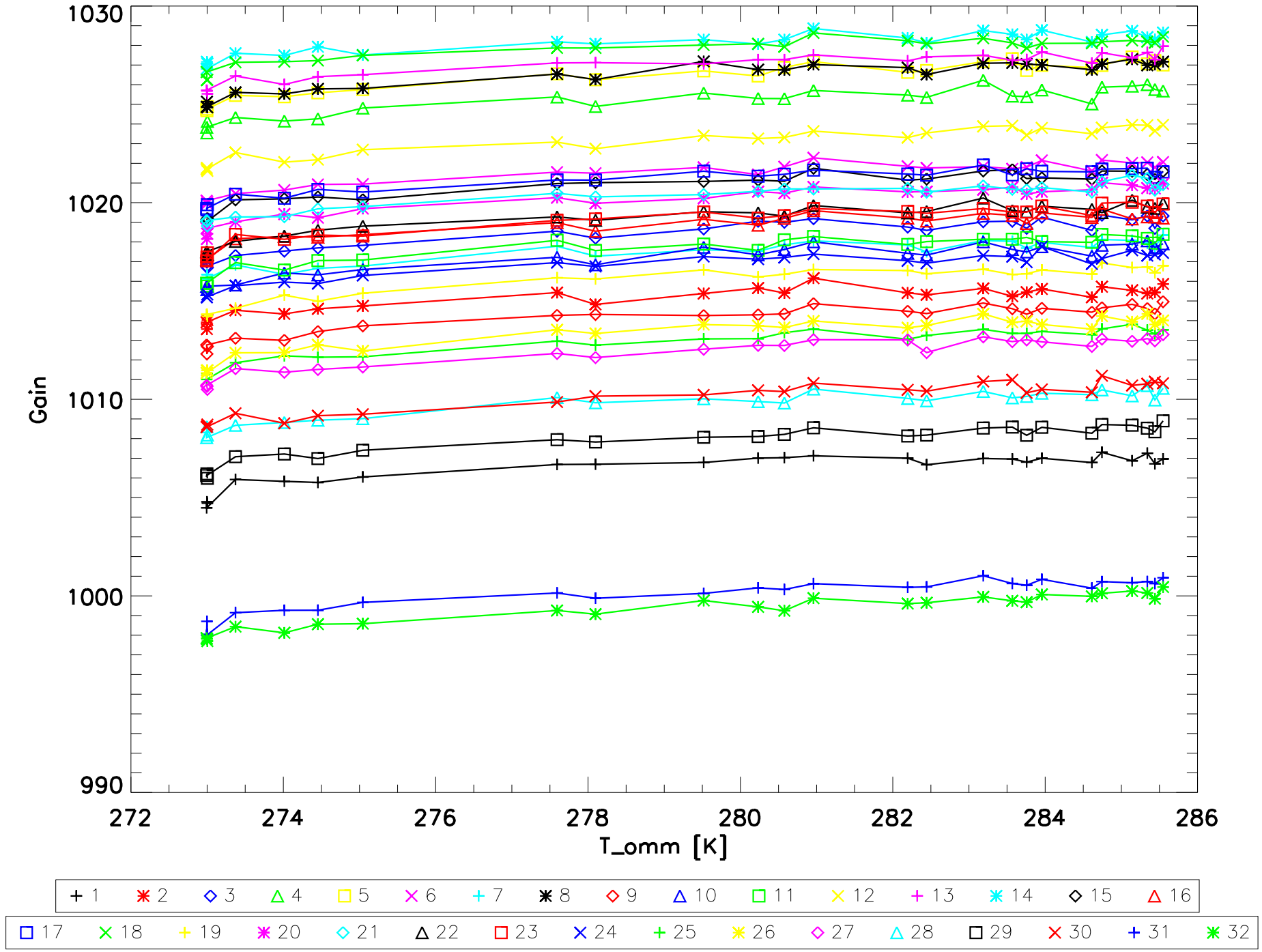
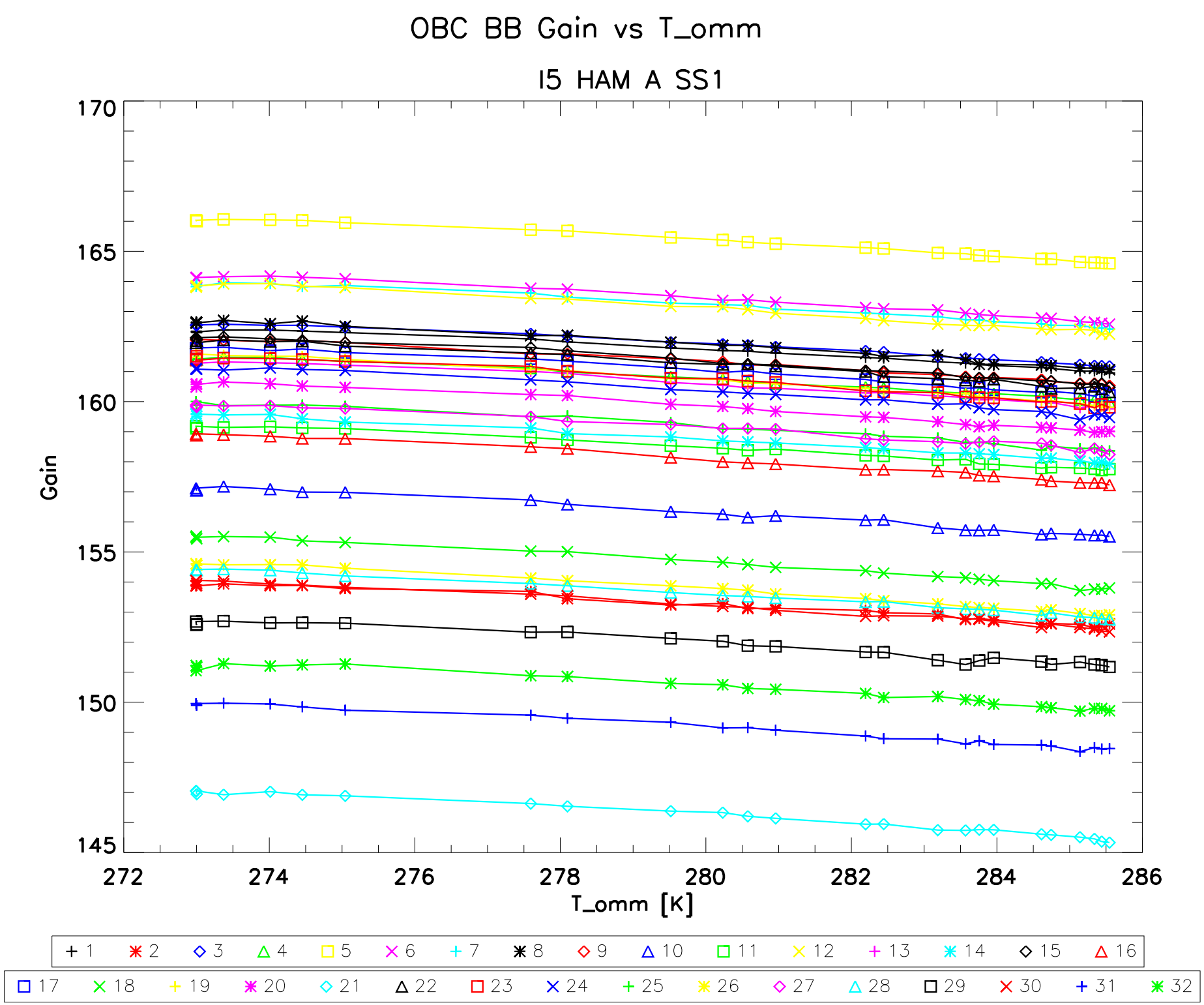
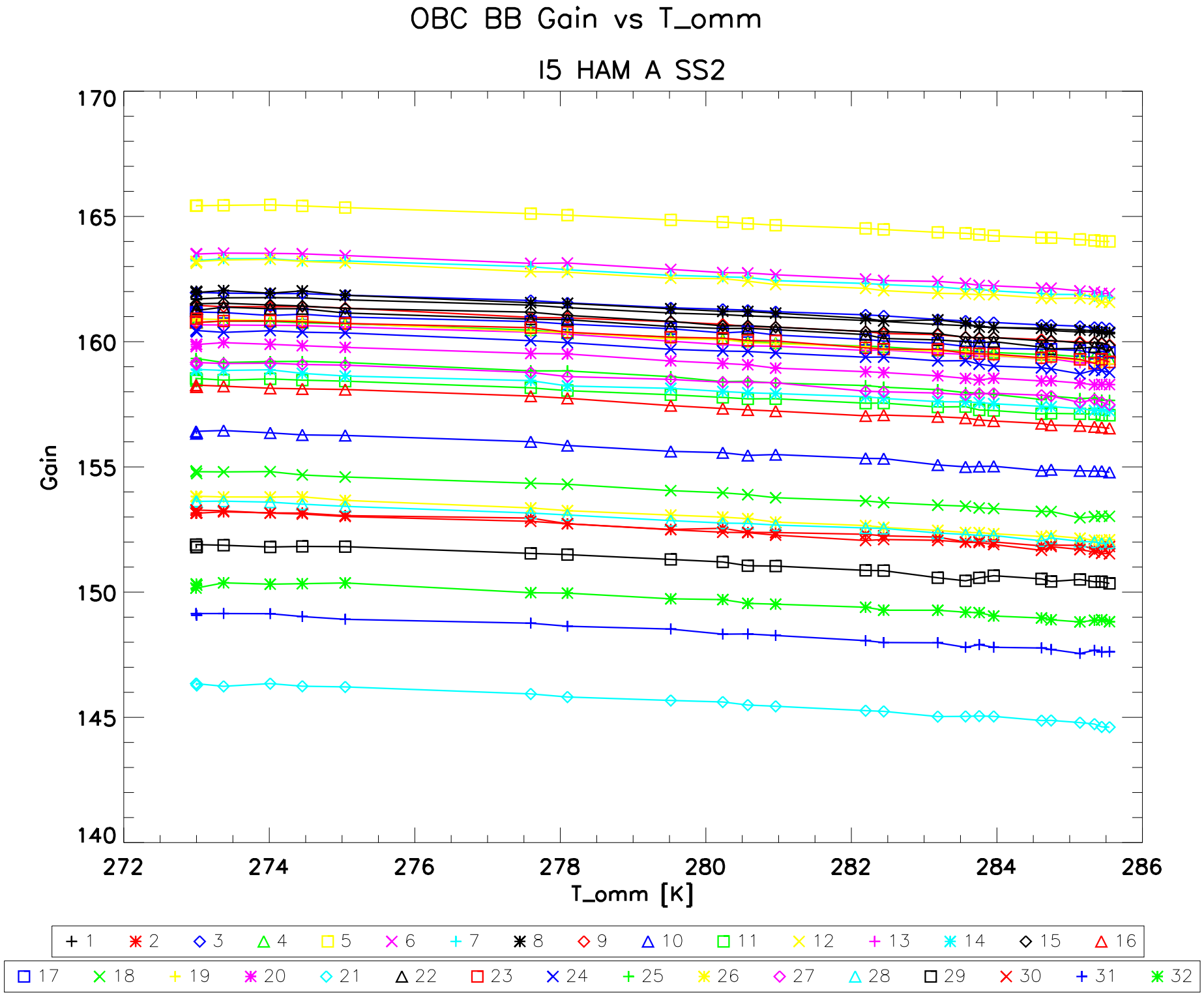

OBC BB Gain vs T_omm
I4 HAM A SS1
Gain
1030
1020
1010
1000
990
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32

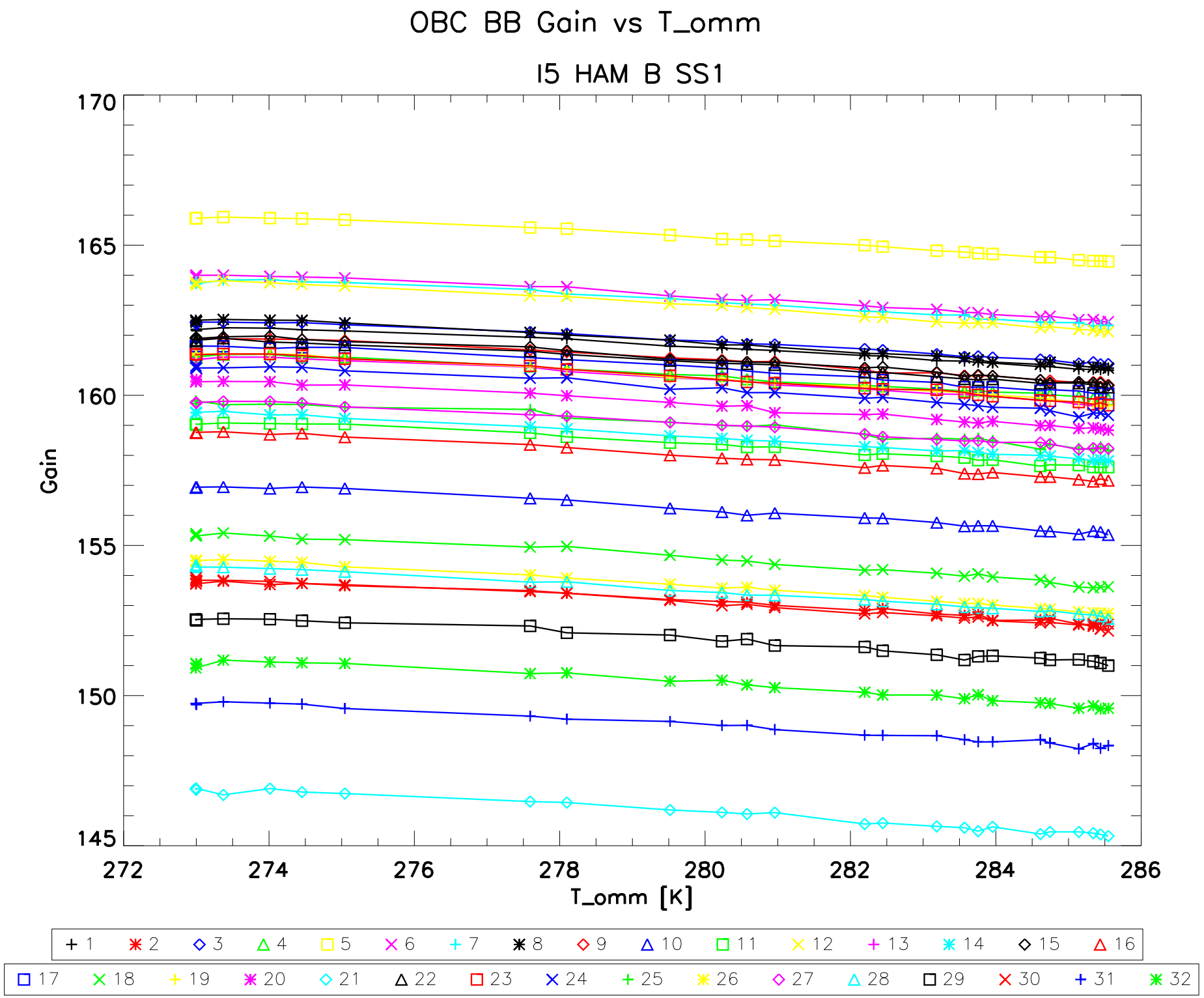

OBC BB Gain vs T_omm
I4 HAM A SS2
Gain
1030
1020
1010
1000
990
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32

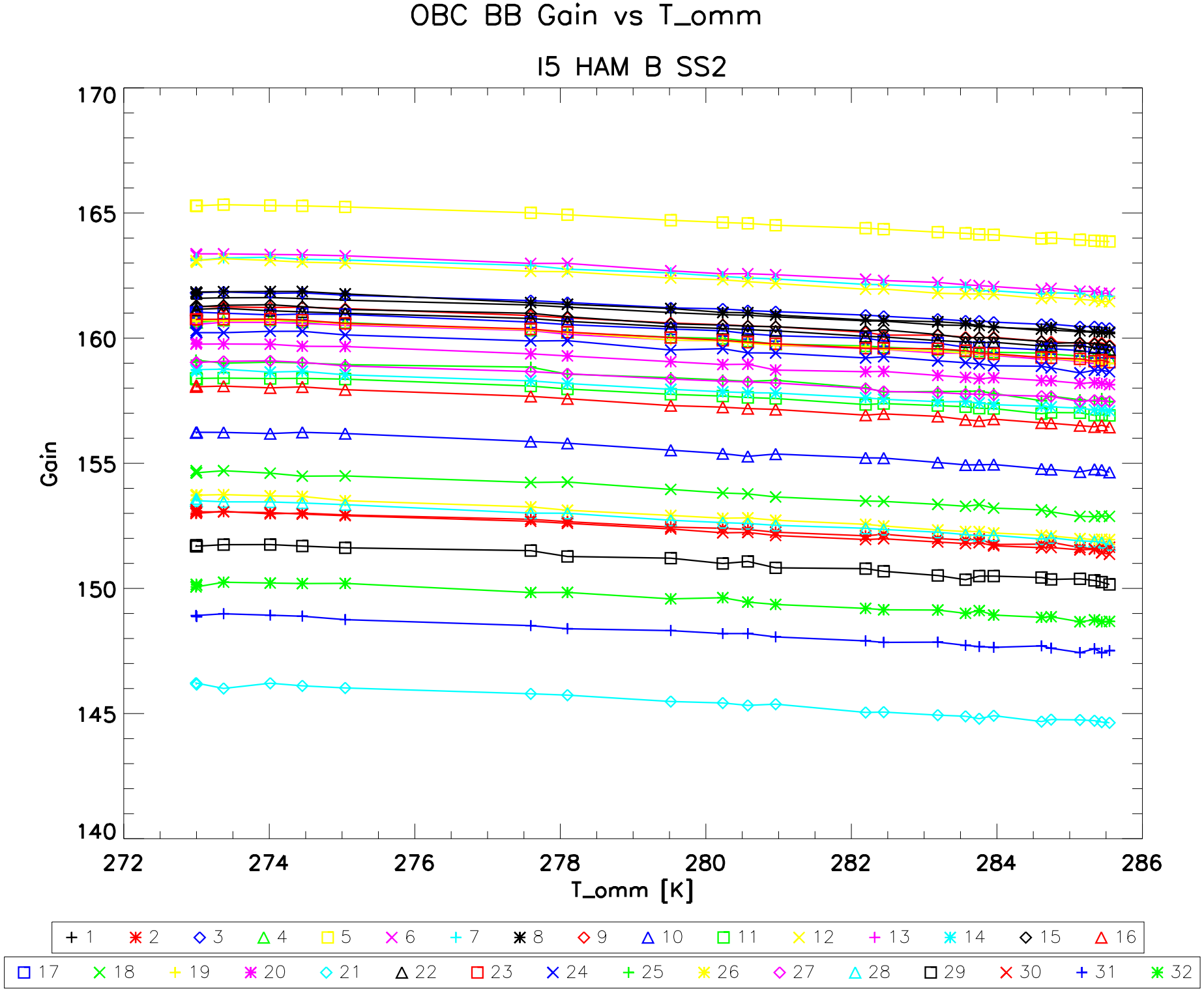

OBC BB Gain vs T_omm
I4 HAM B SS1
Gain
1030
1020
1010
1000
990
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32

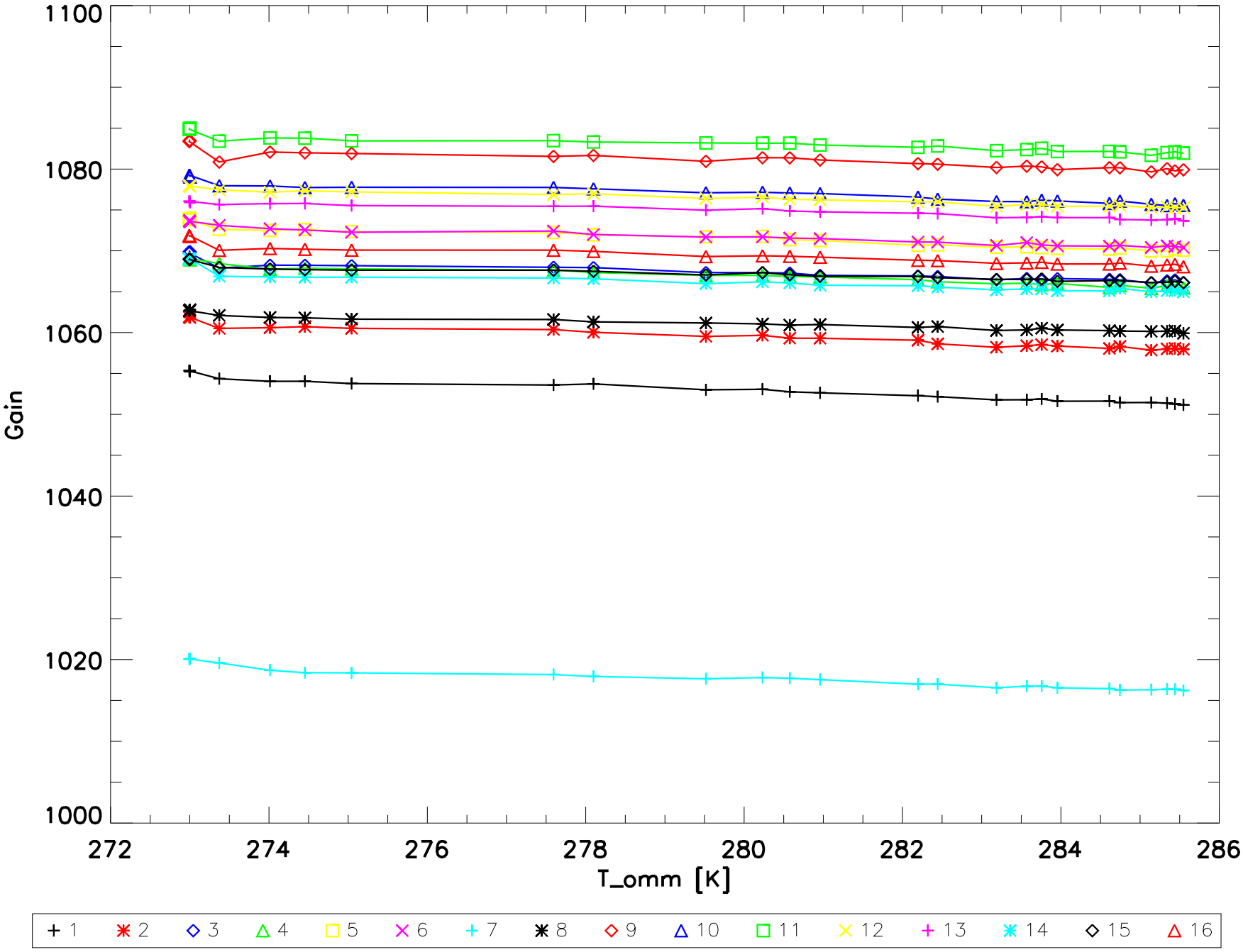

OBC BB Gain vs T_omm
I4 HAM B SS2
Gain
1030
1020
1010
1000
990
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32

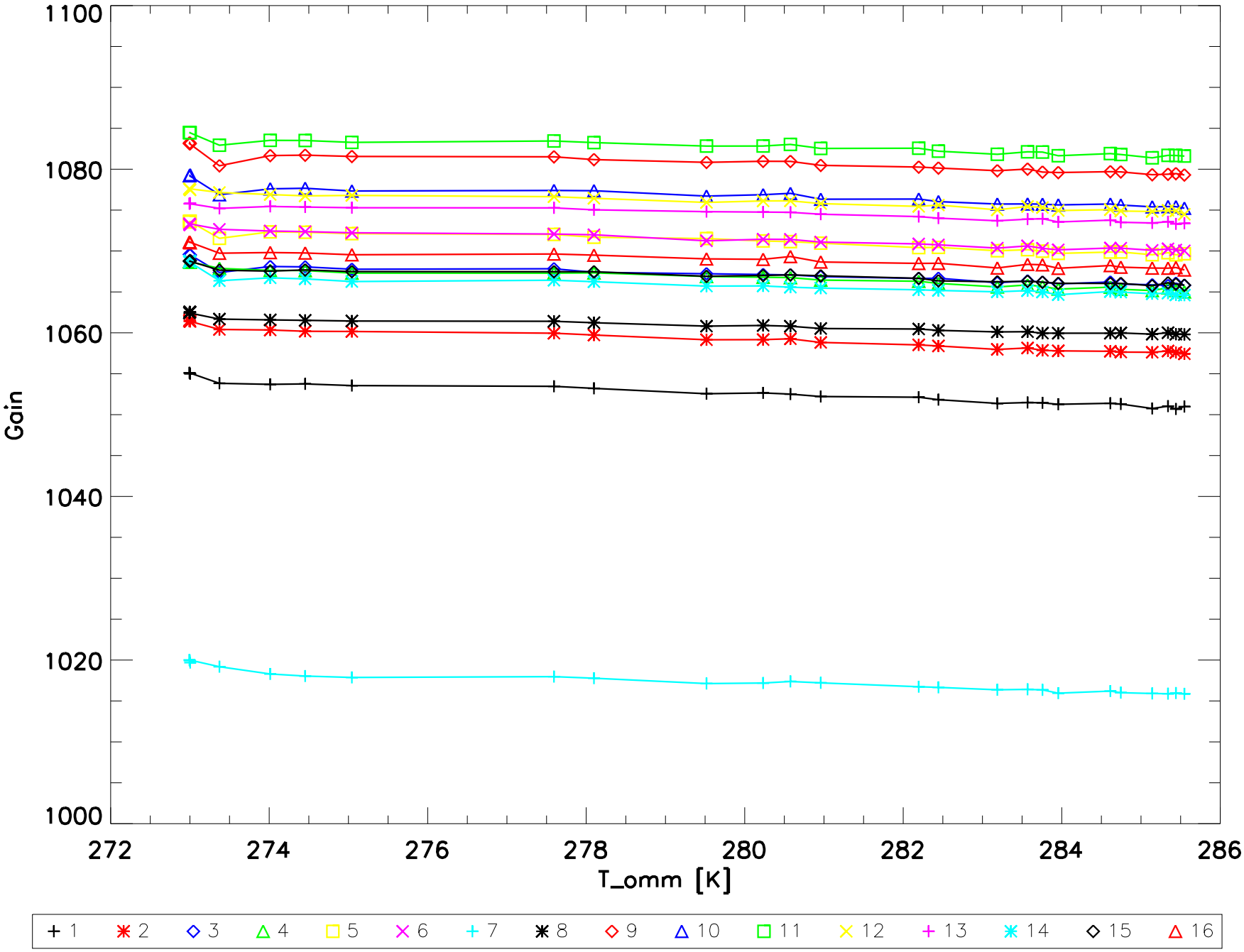

OBC BB Gain vs T_omm
I5 HAM A SS1
Gain
T_omm [K]
170
165
160
155
150
145
272
274
276
278
280
282
284
286
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

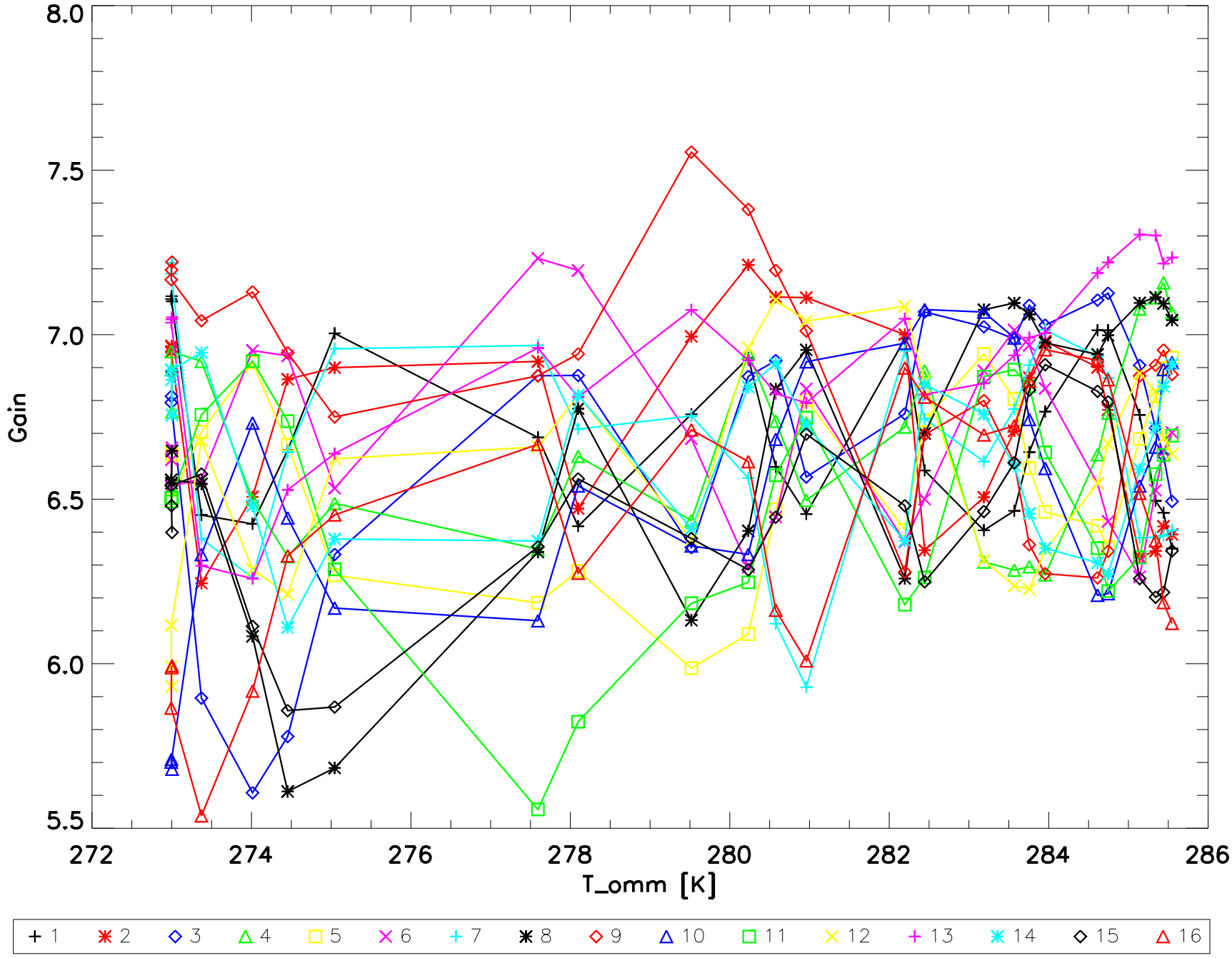

OBC BB Gain vs T_omm
I5 HAM A SS2
Gain
T_omm [K]
170
165
160
155
150
145
140
272
274
276
278
280
282
284
286
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

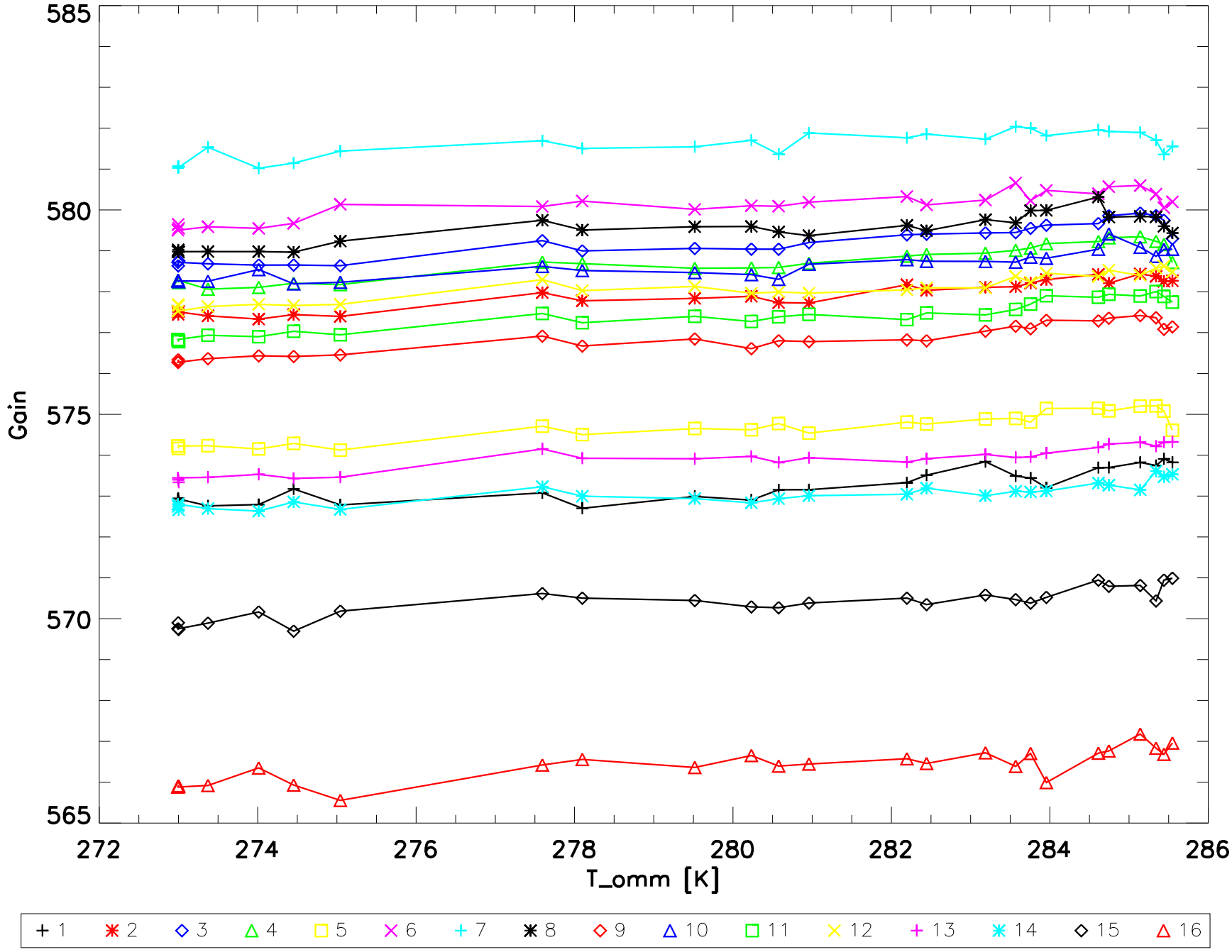

OBC BB Gain vs T_omm
I5 HAM B SS1
Gain
T_omm [K]
170
165
160
155
150
145
272
274
276
278
280
282
284
286
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

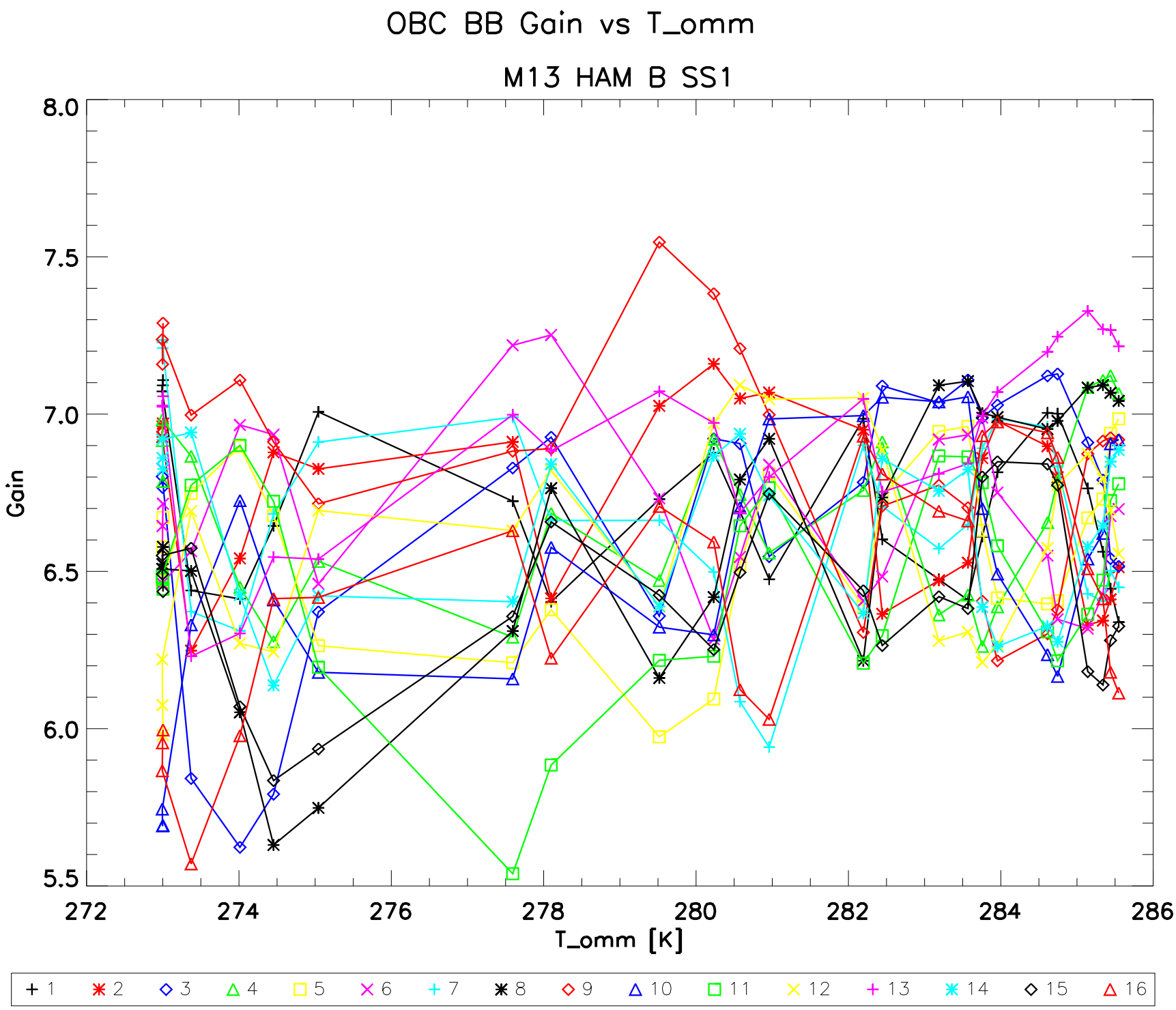

OBC BB Gain vs T_omm
I5 HAM B SS2
Gain
T_omm [K]
170
165
160
155
150
145
140
272
274
276
278
280
282
284
286
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

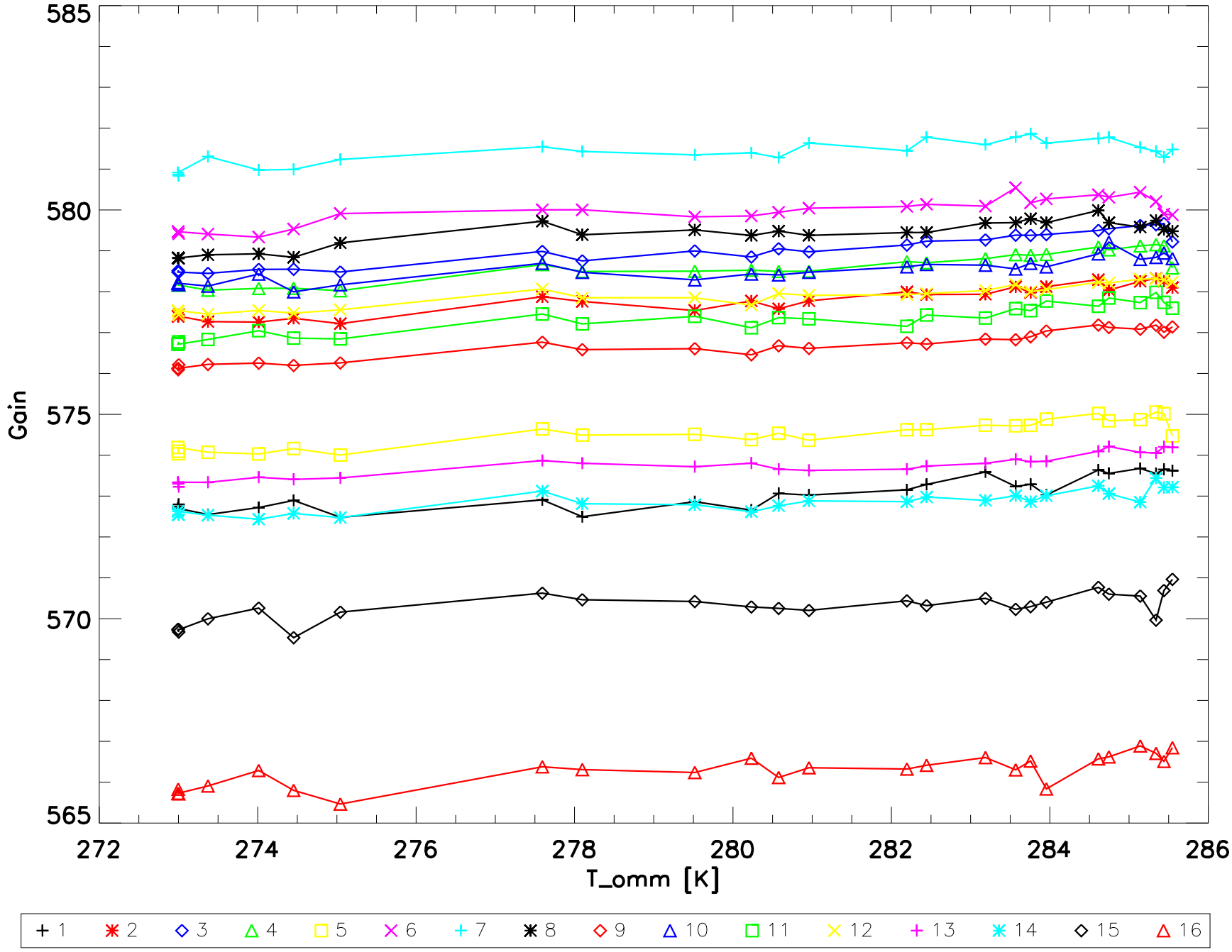

OBC BB Gain vs T_omm
M12 HAM A SS1
Gain
1100
1080
1060
1040
1020
1000
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

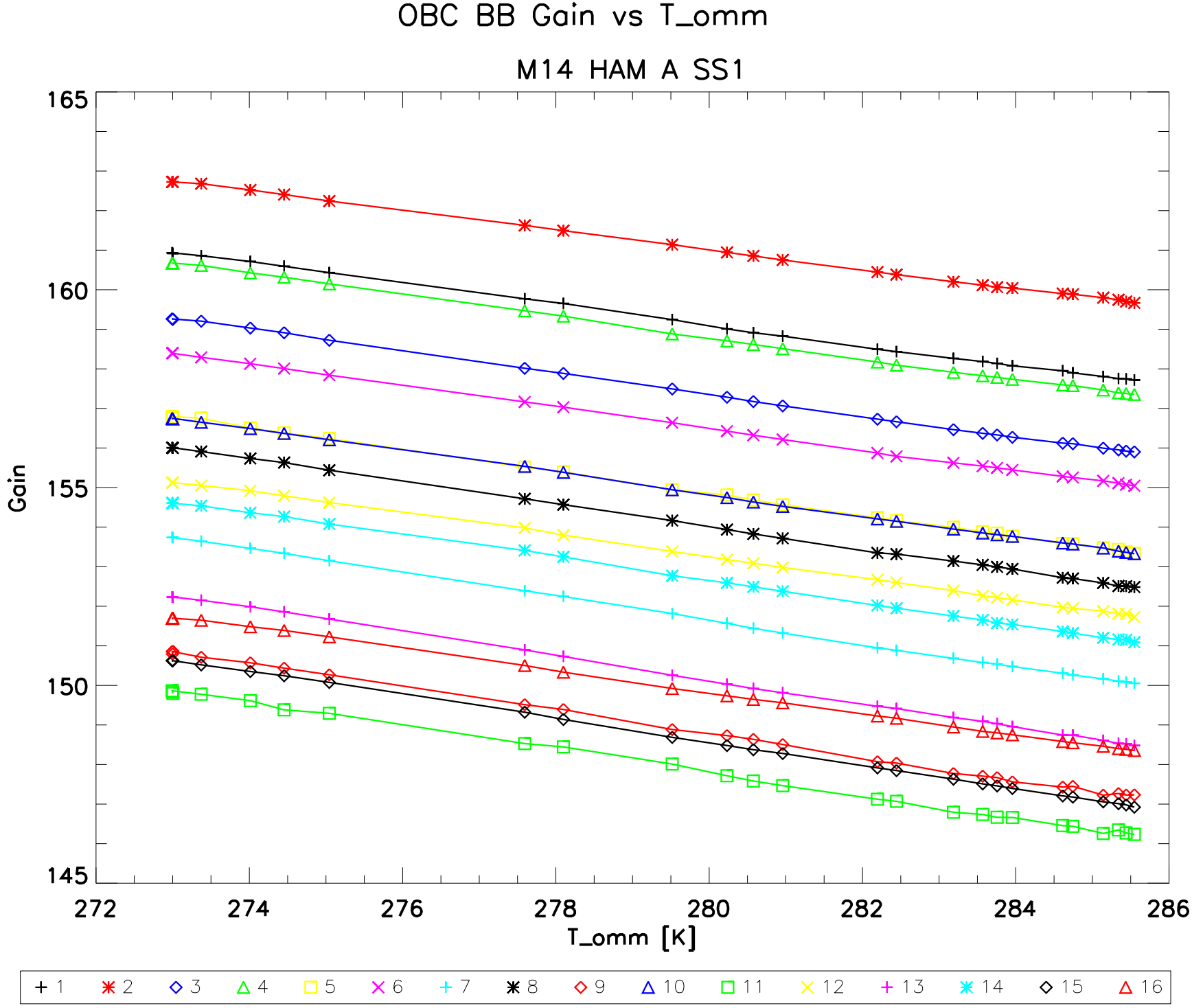

OBC BB Gain vs T_omm
M12 HAM B SS1
1100
1080
1060
1040
1020
1000
Gain
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

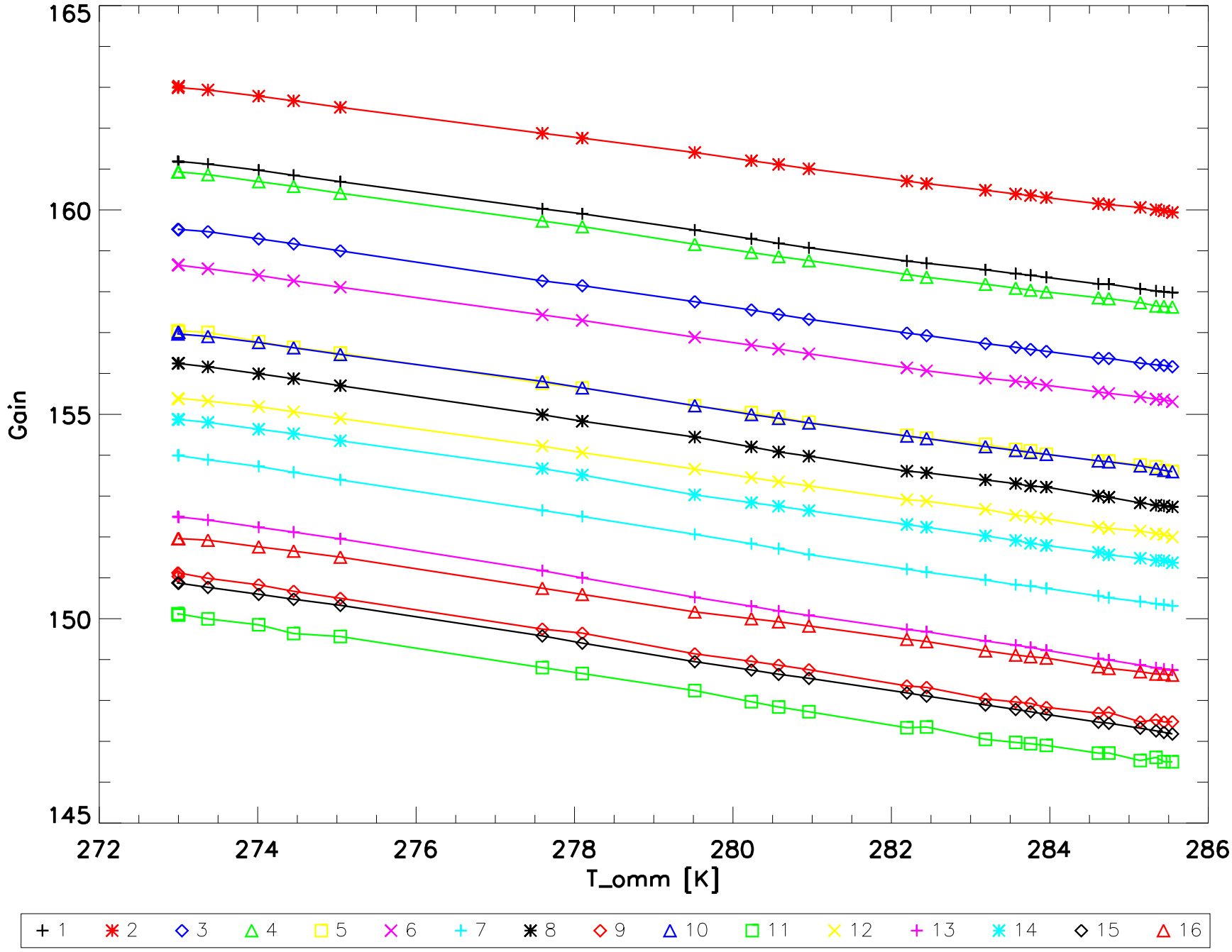

OBC BB Gain vs T_omm
M13 HAM A SS1
8.0
7.5
7.0
6.5
6.0
5.5
Gain
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

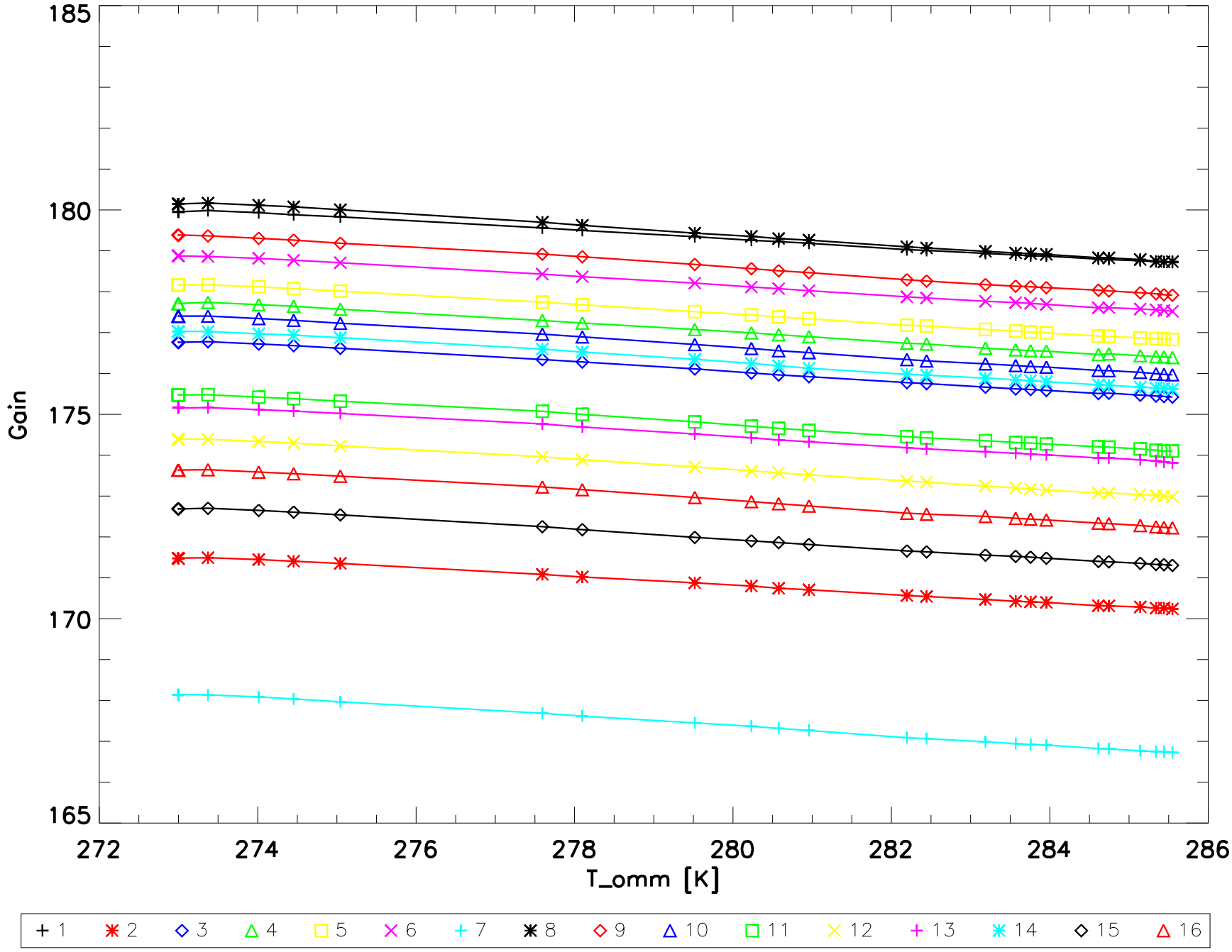

OBC BB Gain vs T_omm
M13 HAM A SS1
585
580
575
570
565
Gain
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

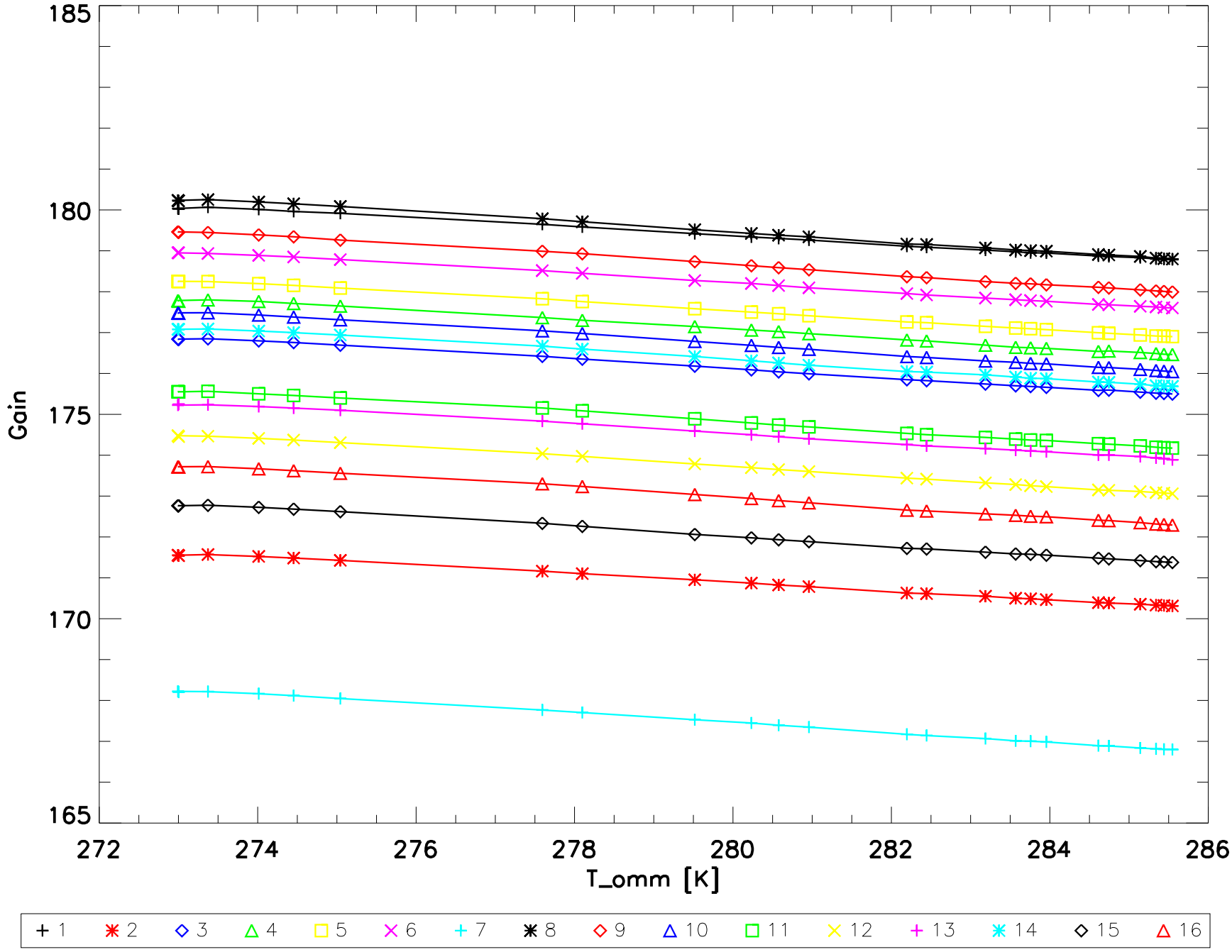

OBC BB Gain vs T_omm
M13 HAM B SS1
8.0
7.5
7.0
6.5
6.0
5.5
Gain
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

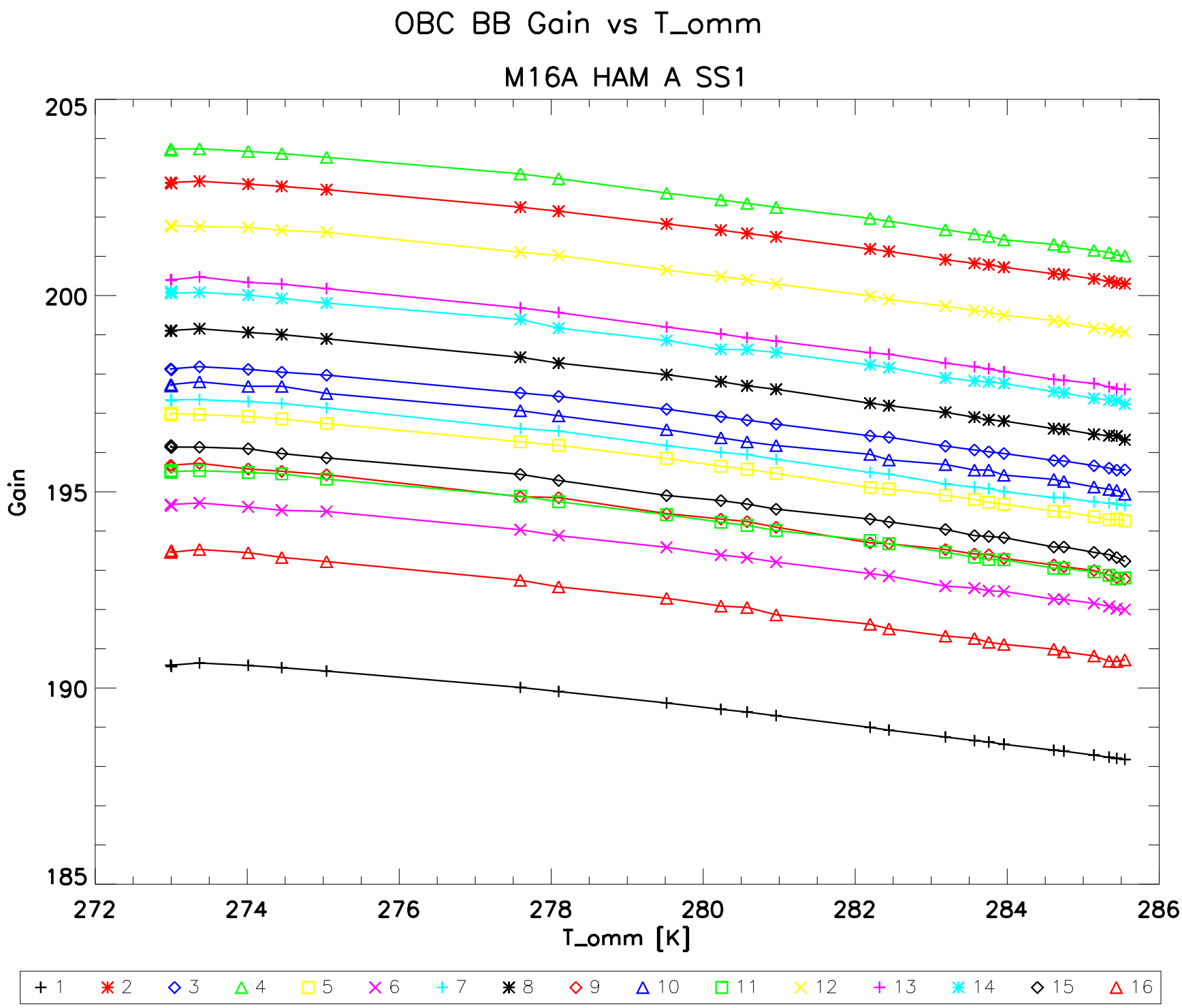

OBC BB Gain vs T_omm
M13 HAM B SS1
Gain
585
580
575
570
565
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

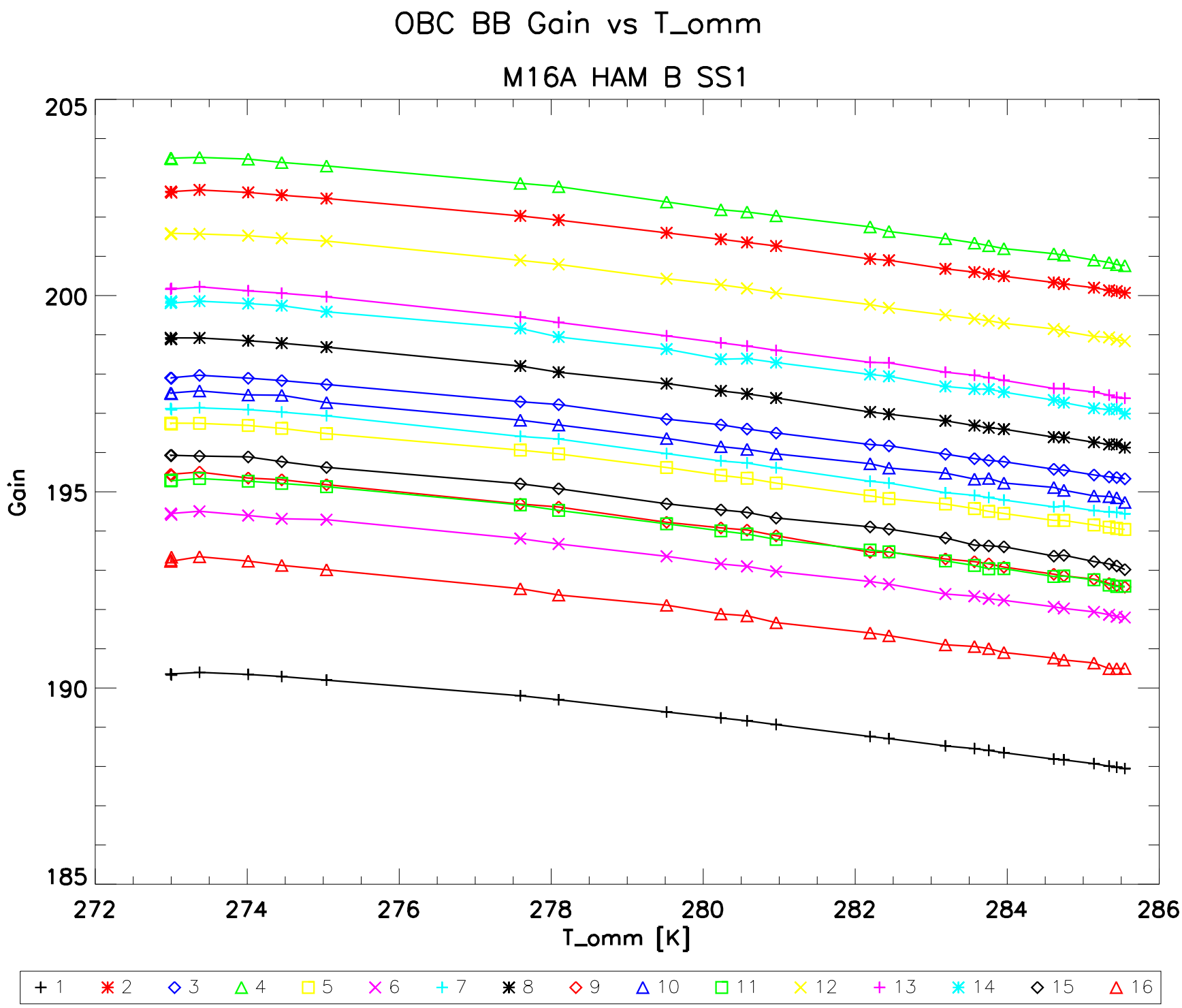

OBC BB Gain vs T_omm
M14 HAM A SS1
Gain
165
160
155
150
145
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

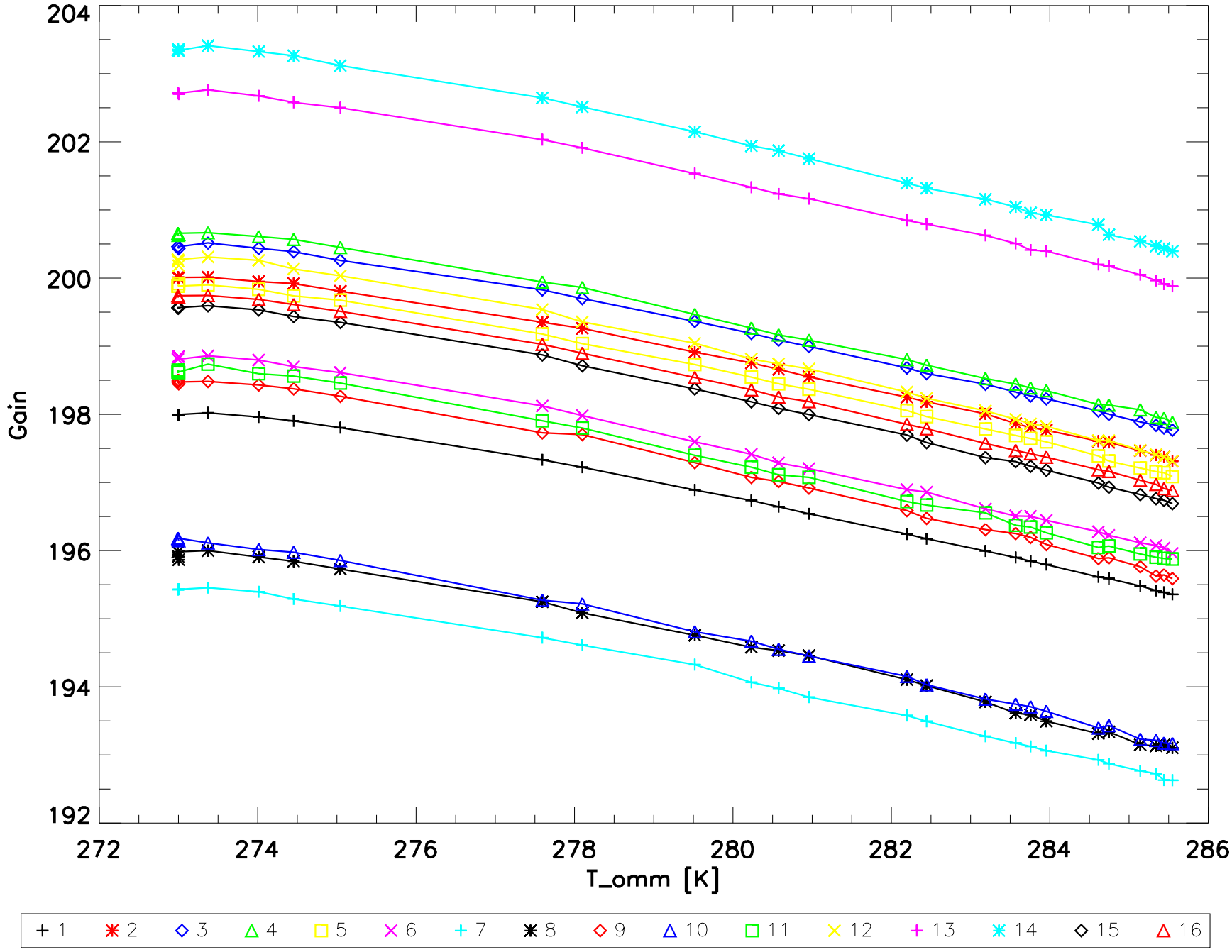

OBC BB Gain vs T_omm
M14 HAM B SS1
Gain
165
160
155
150
145
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

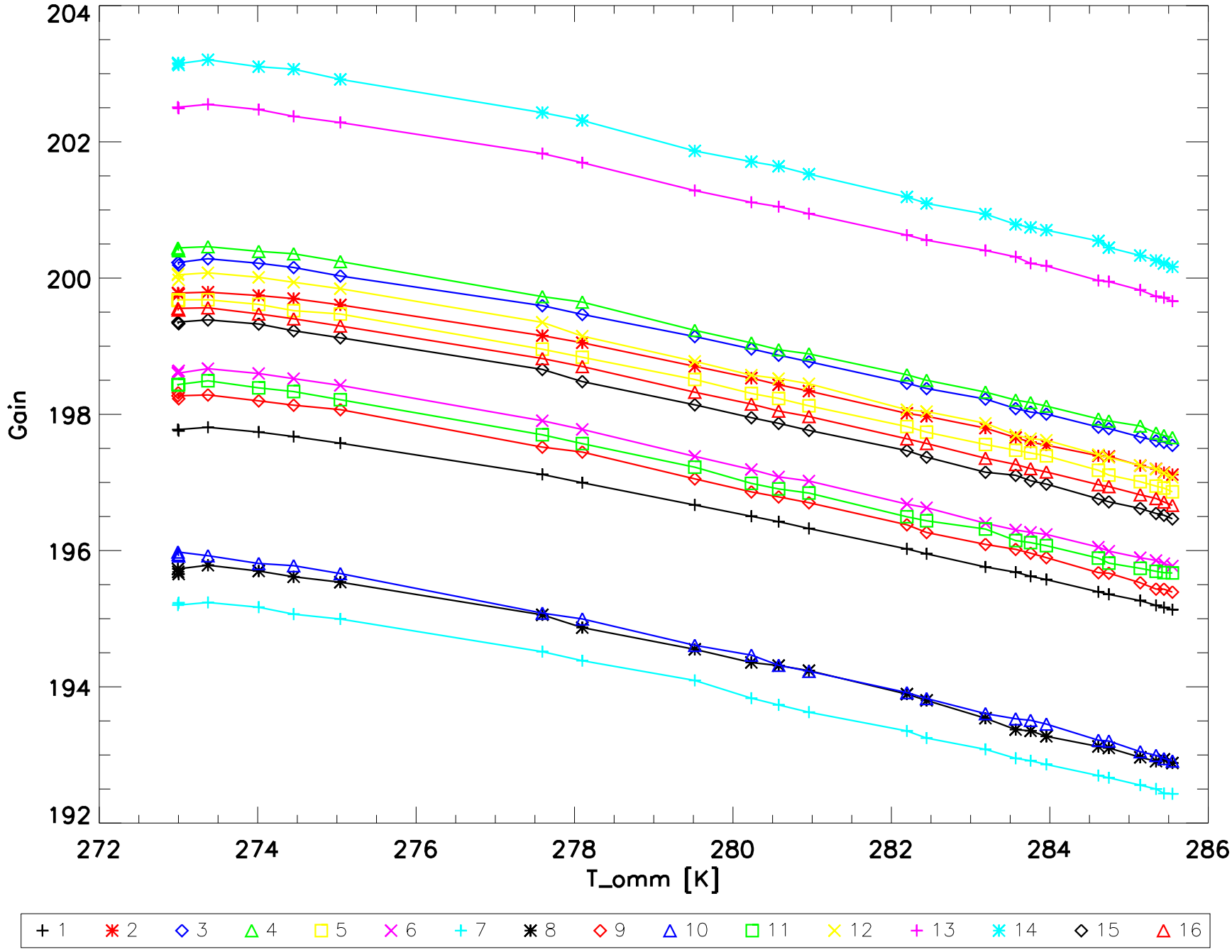

OBC BB Gain vs T_omm
M15 HAM A SS1
Gain
185
180
175
170
165
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

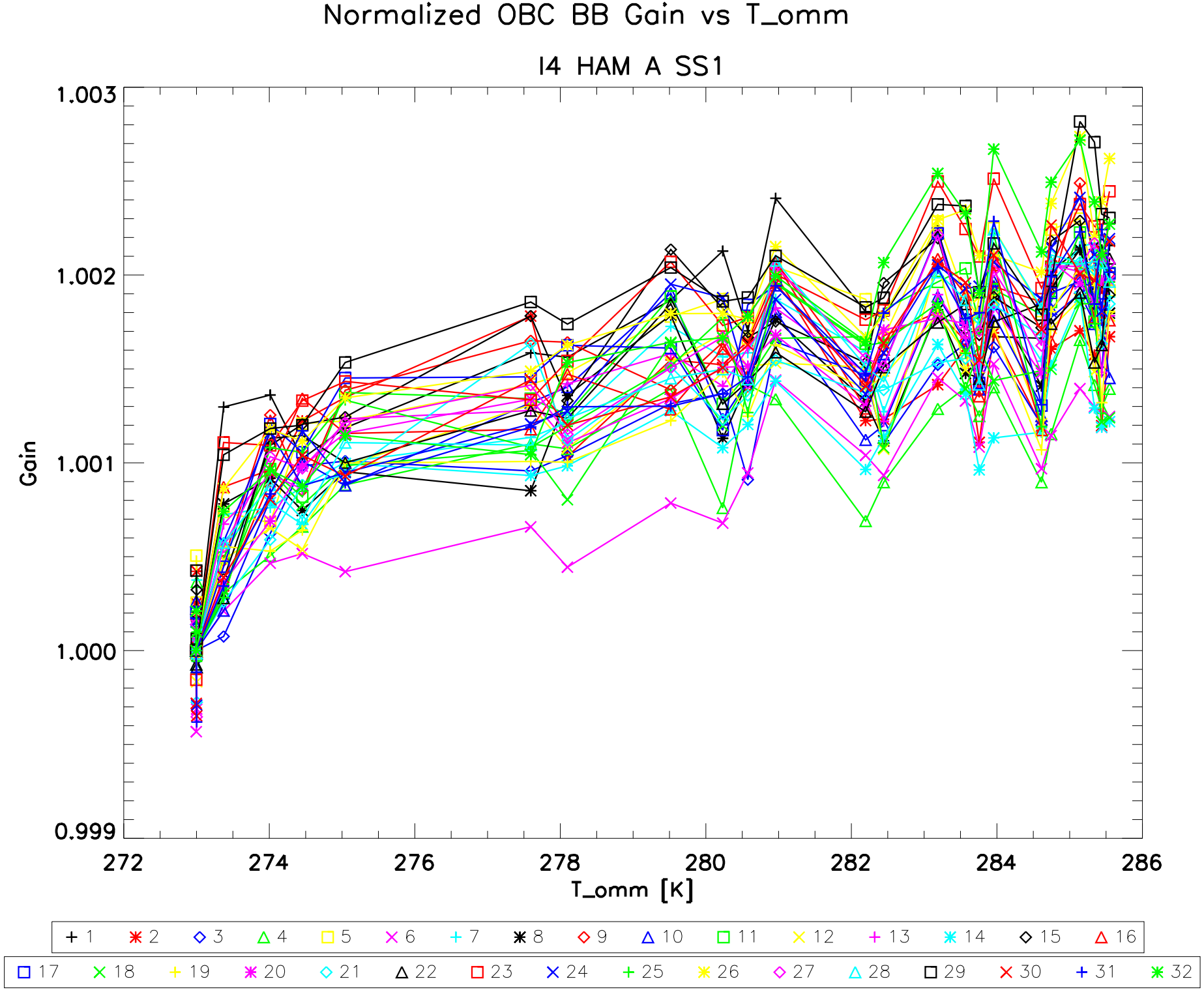

OBC BB Gain vs T_omm
M15 HAM B SS1
185
180
175
170
165
Gain
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

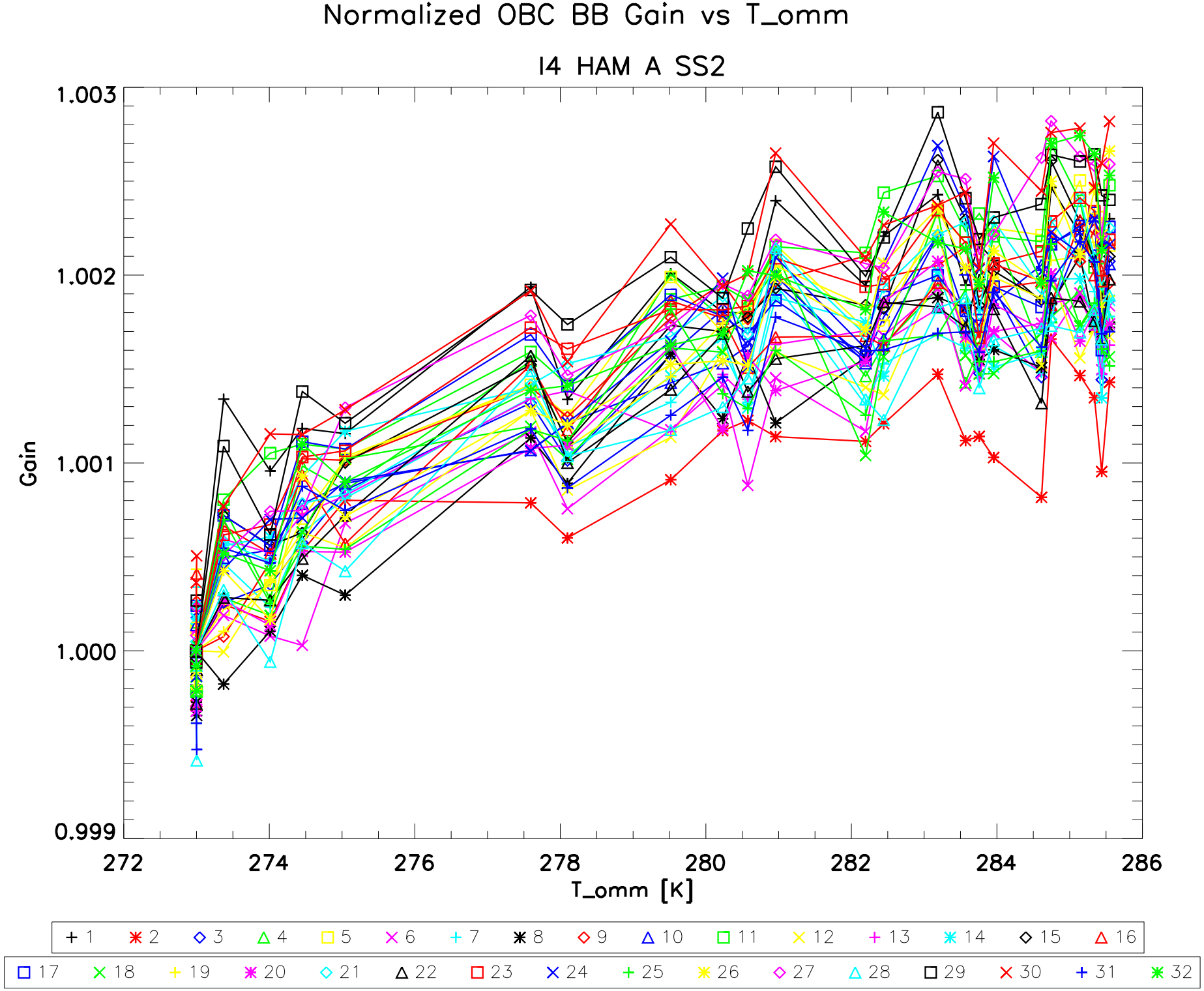

OBC BB Gain vs T_omm
M16A HAM A SS1
Gain
205
200
195
190
185
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

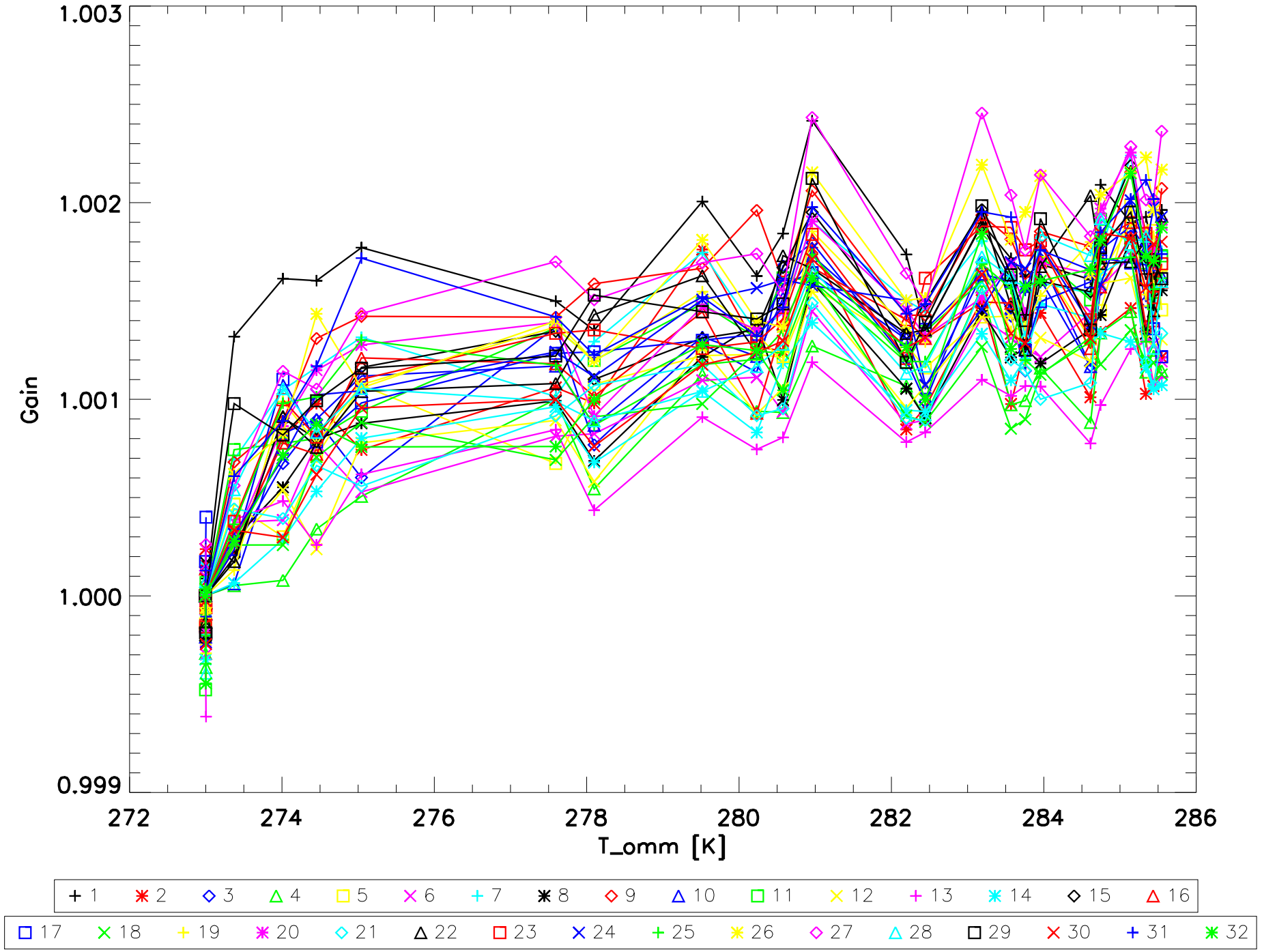

OBC BB Gain vs T_omm
M16A HAM B SS1
Gain
205
200
195
190
185
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

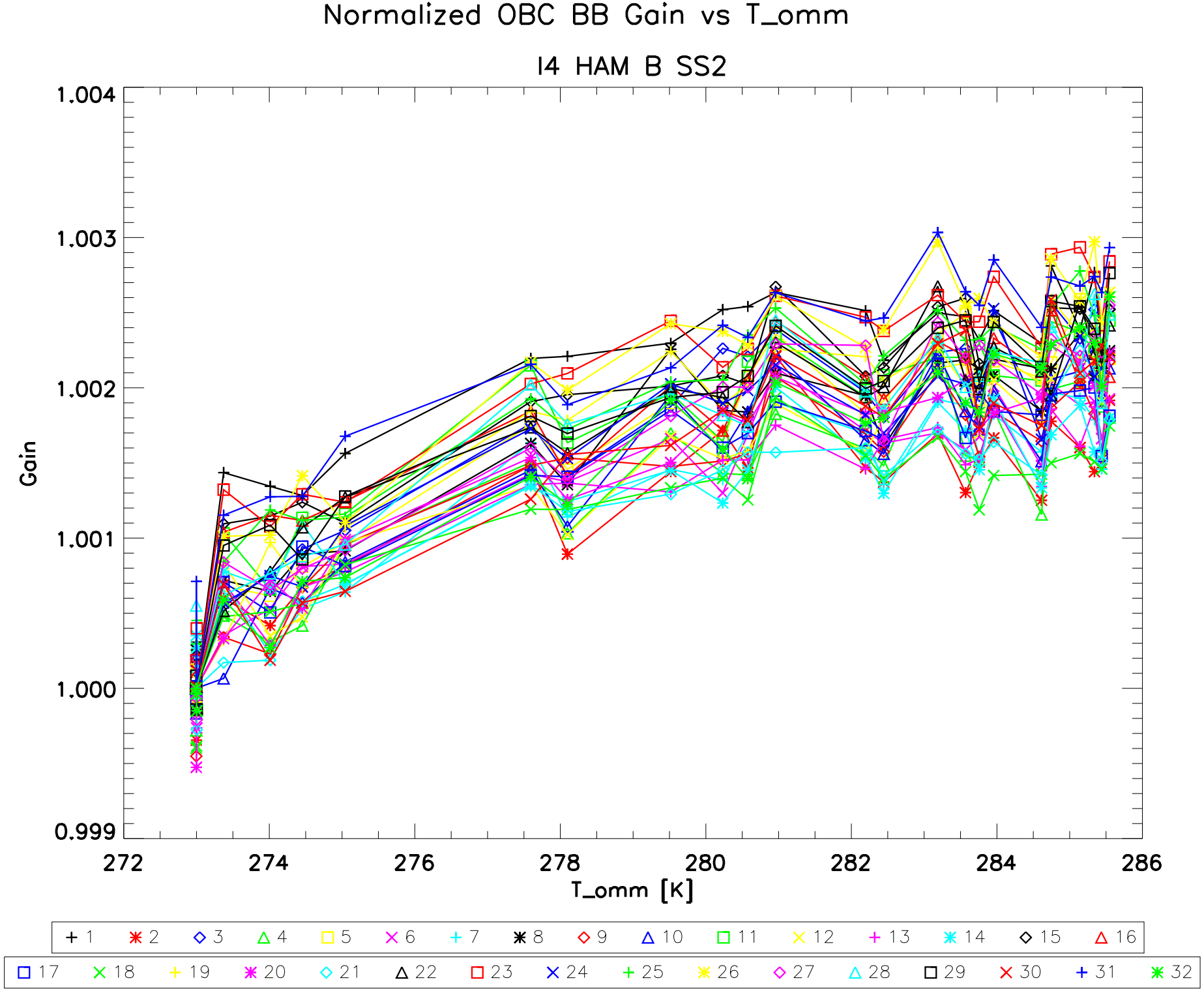

OBC BB Gain vs T_omm
M16B HAM A SS1
Gain
204
202
200
198
196
194
192
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

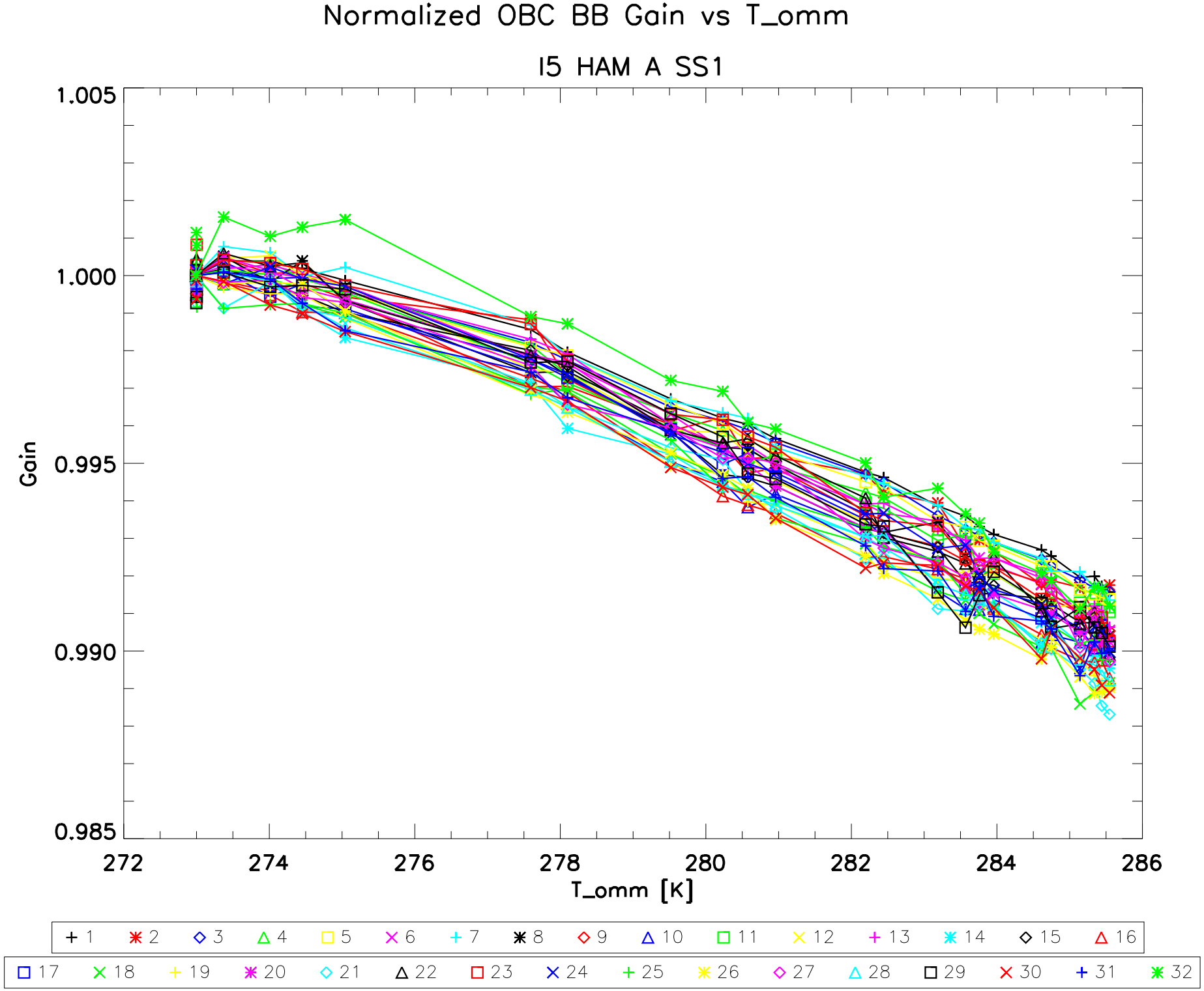

OBC BB Gain vs T_omm
M16B HAM B SS1
Gain
T_omm [K]
204
202
200
198
196
194
192
272
274
276
278
280
282
284
286
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

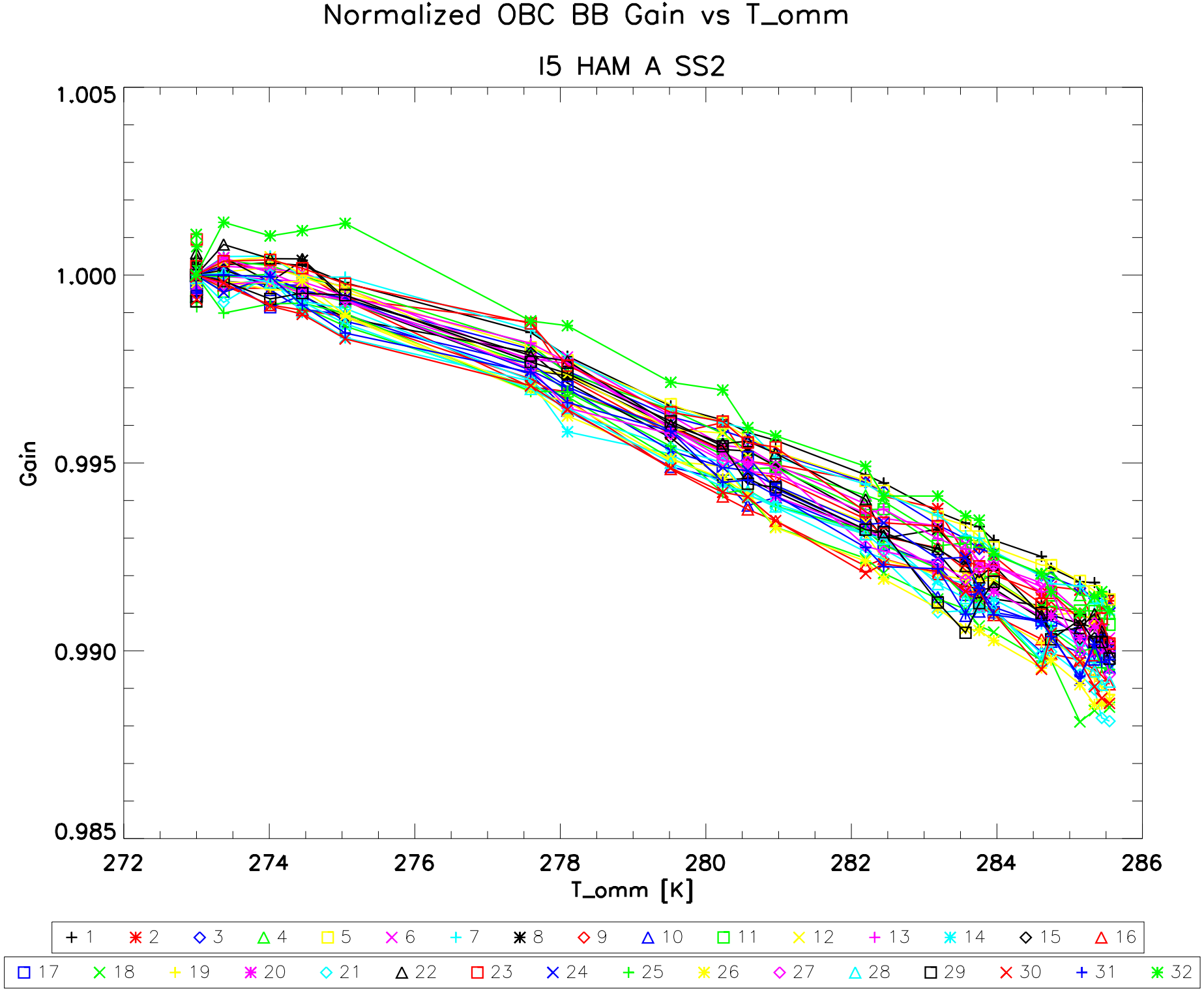

Normalized OBC BB Gain vs T_omm
I4 HAM A SS1
Gain
1.003
1.002
1.001
1.000
0.999
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32

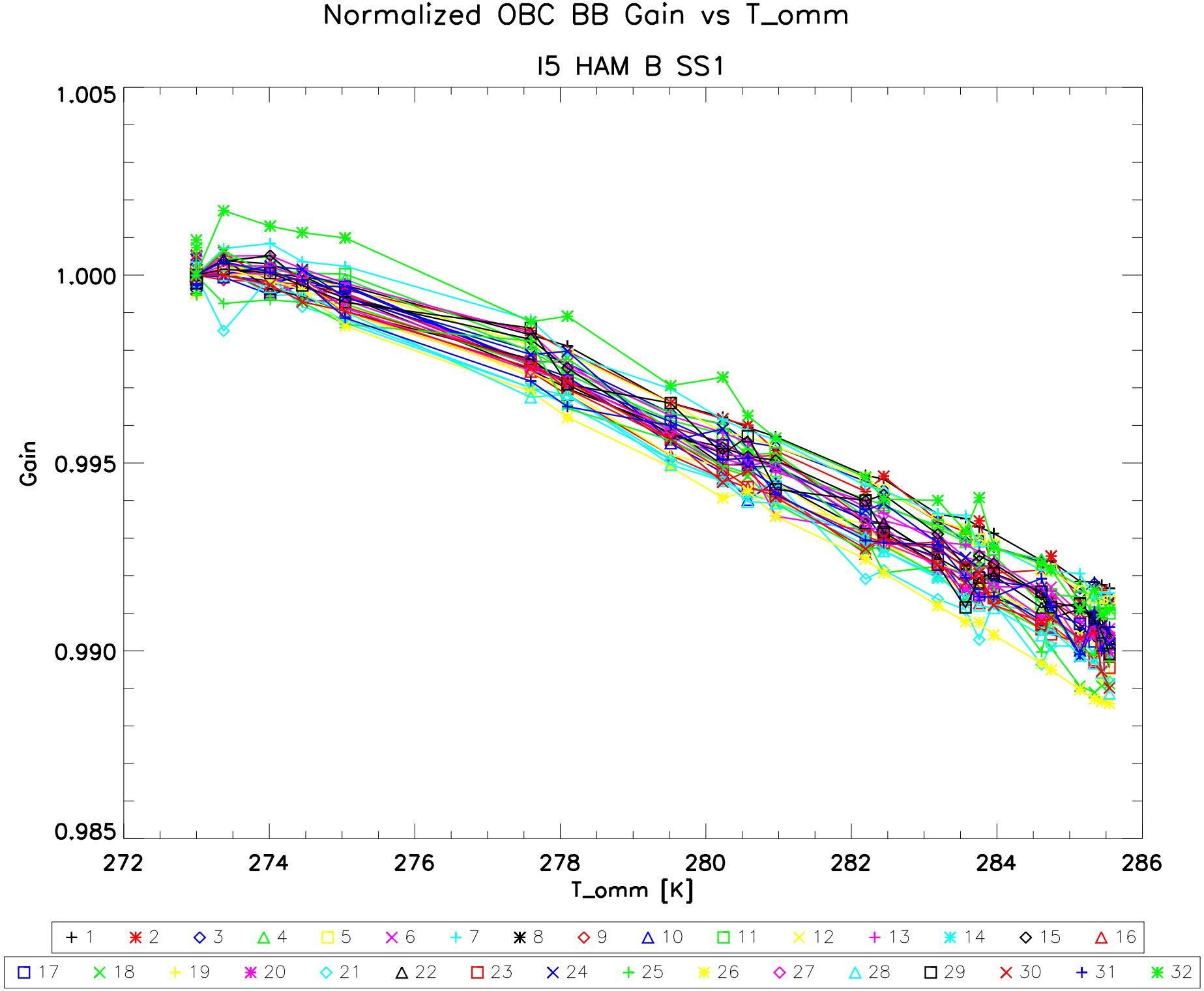

Normalized OBC BB Gain vs T_omm
I4 HAM A SS2
Gain
1.003
1.002
1.001
1.000
0.999
272
274
276
278
280
282
284
286
T_omm [K]
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

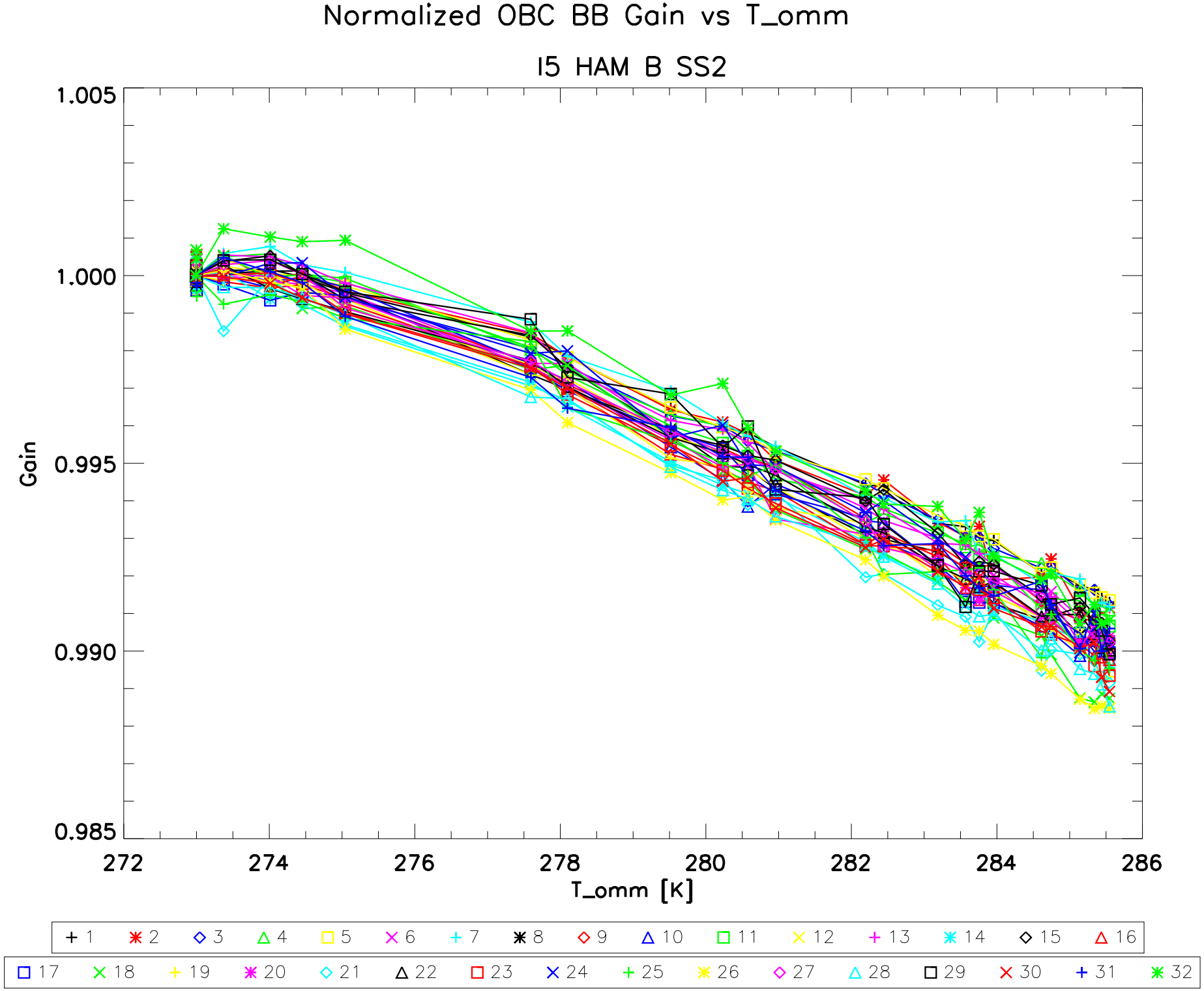

Normalized OBC BB Gain vs T_omm
I4 HAM B SS1
Gain
1.003
1.002
1.001
1.000
0.999
272
274
276
278
280
282
284
286
T_omm [K]
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

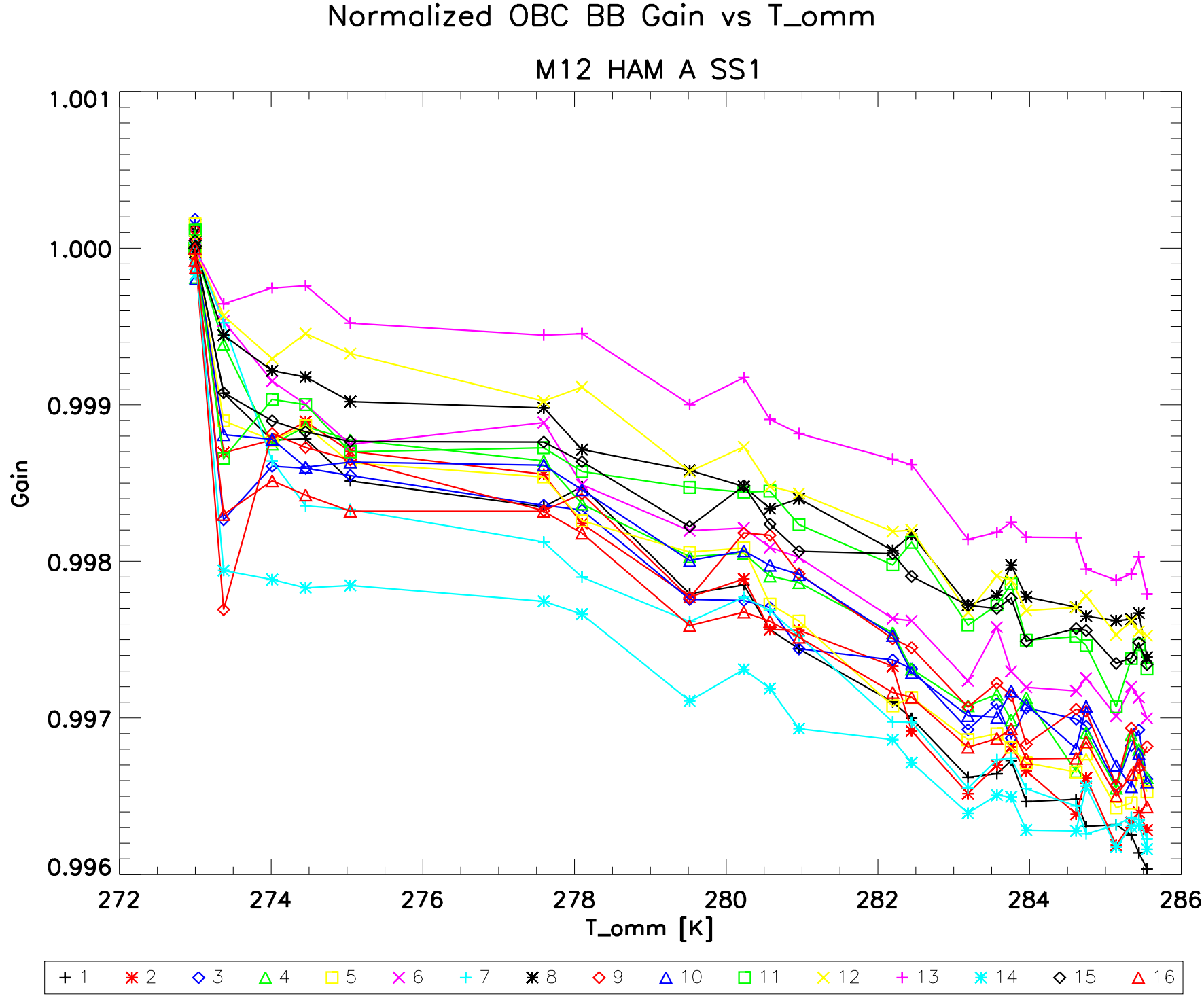

Normalized OBC BB Gain vs T_omm
I4 HAM B SS2
1.004
1.003
1.002
1.001
1.000
0.999
Gain
272
274
276
278
280
282
284
286
T_omm [K]
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

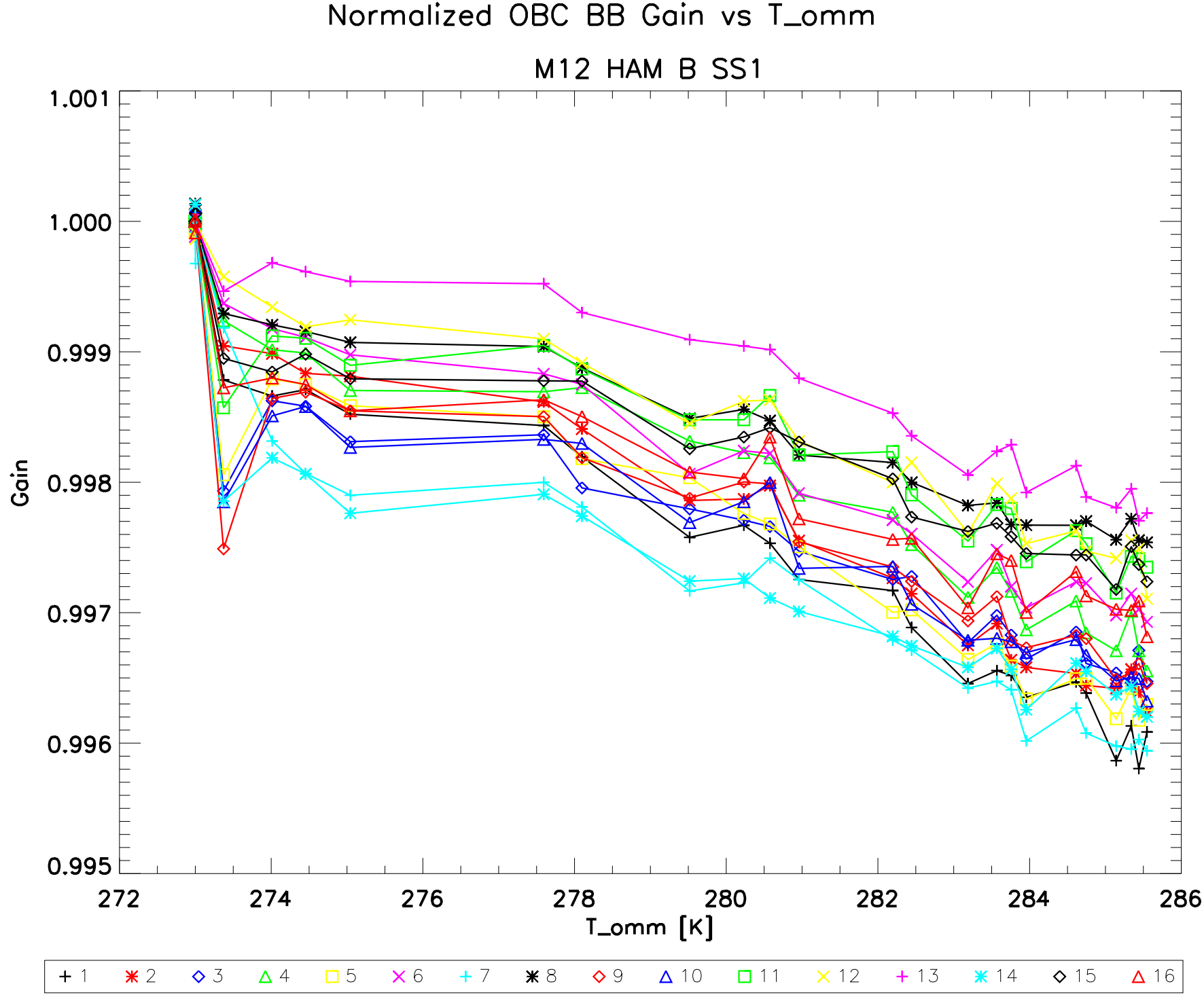

Normalized OBC BB Gain vs T_omm
I5 HAM A SS1
1.005
1.000
0.995
0.990
0.985
Gain
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32

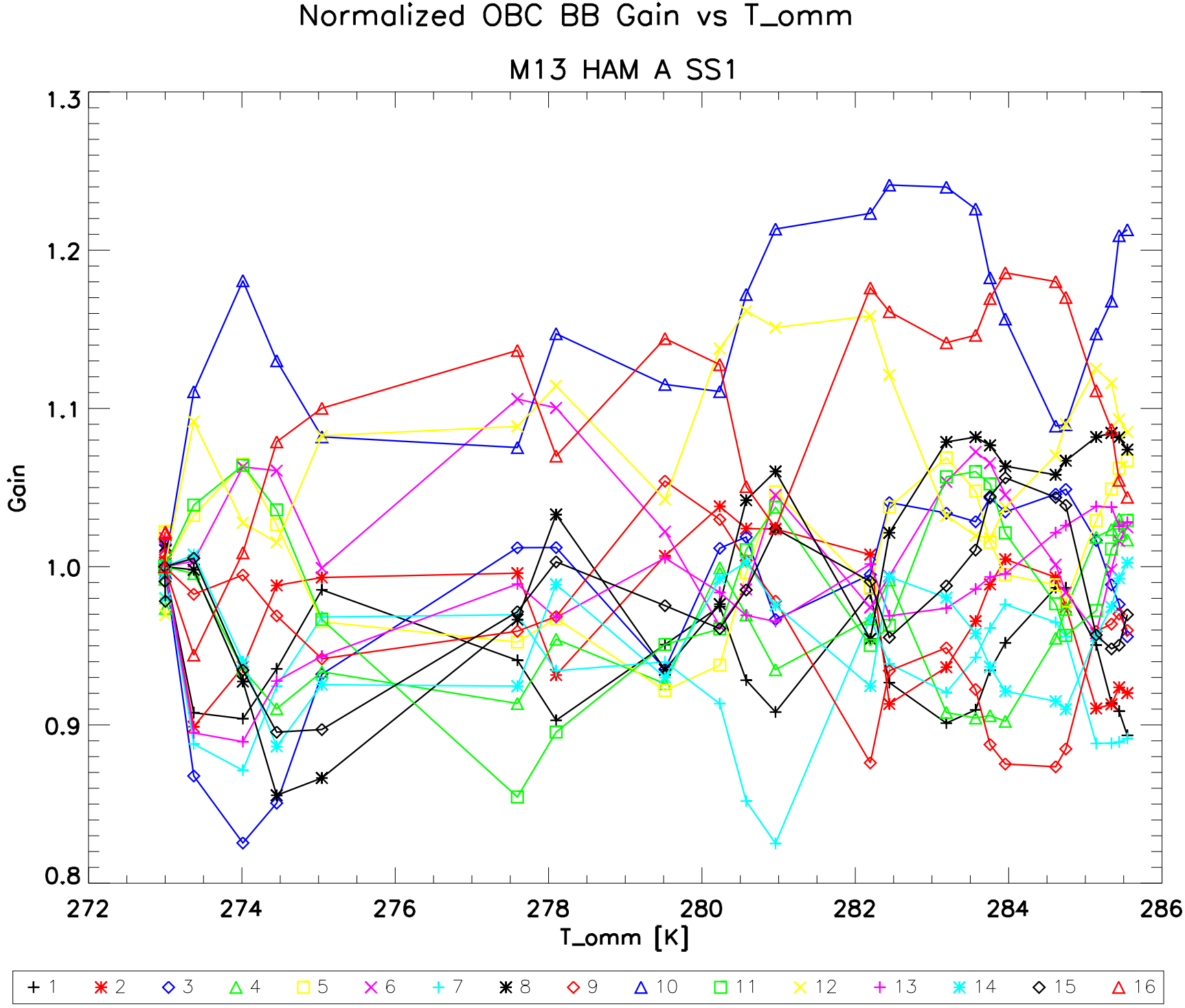

Normalized OBC BB Gain vs T_omm
I5 HAM A SS2
Gain
1.005
1.000
0.995
0.990
0.985
272
274
276
278
280
282
284
286
T_omm [K]
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

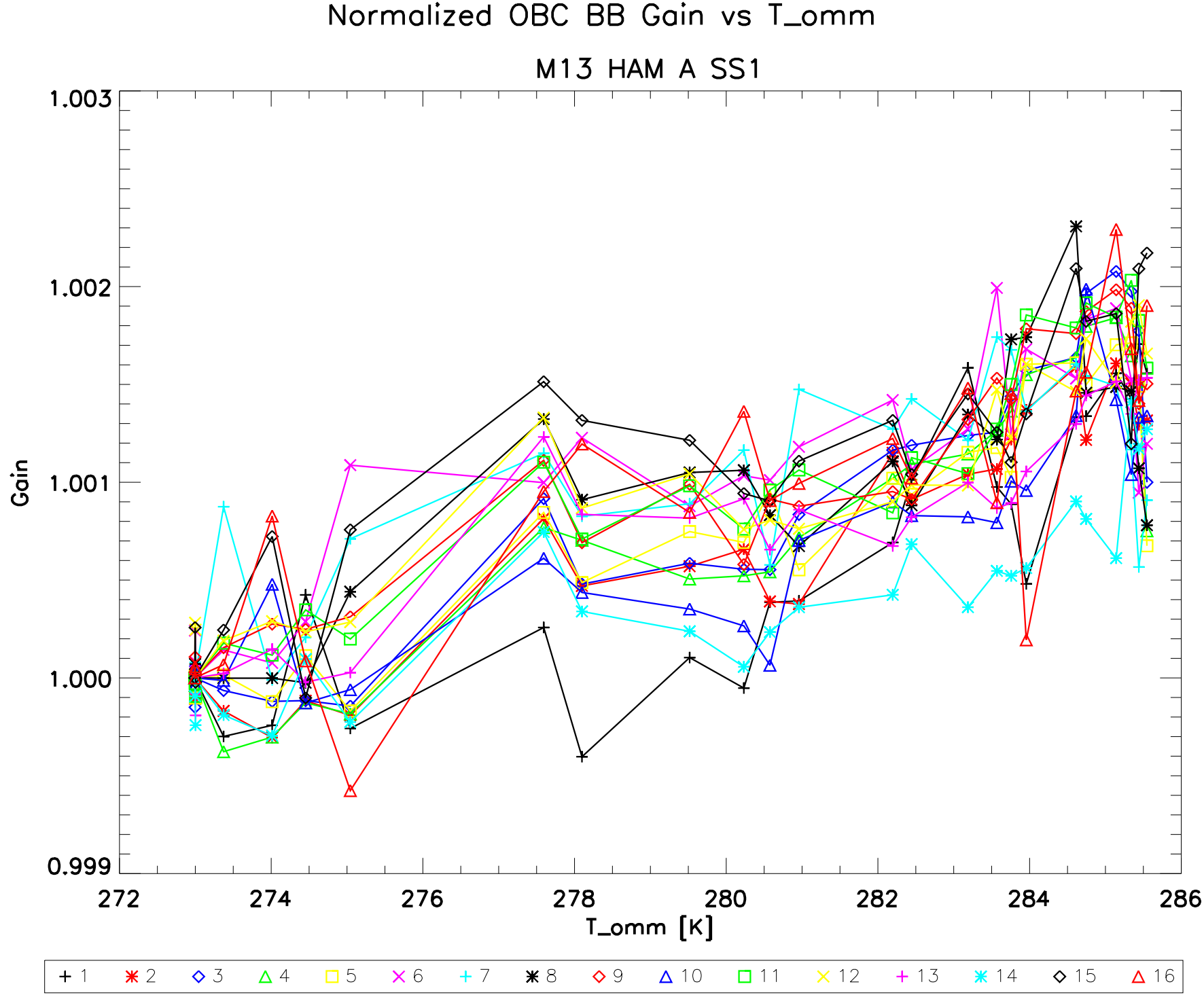

Normalized OBC BB Gain vs T_omm
I5 HAM B SS1
Gain
1.005
1.000
0.995
0.990
0.985
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32

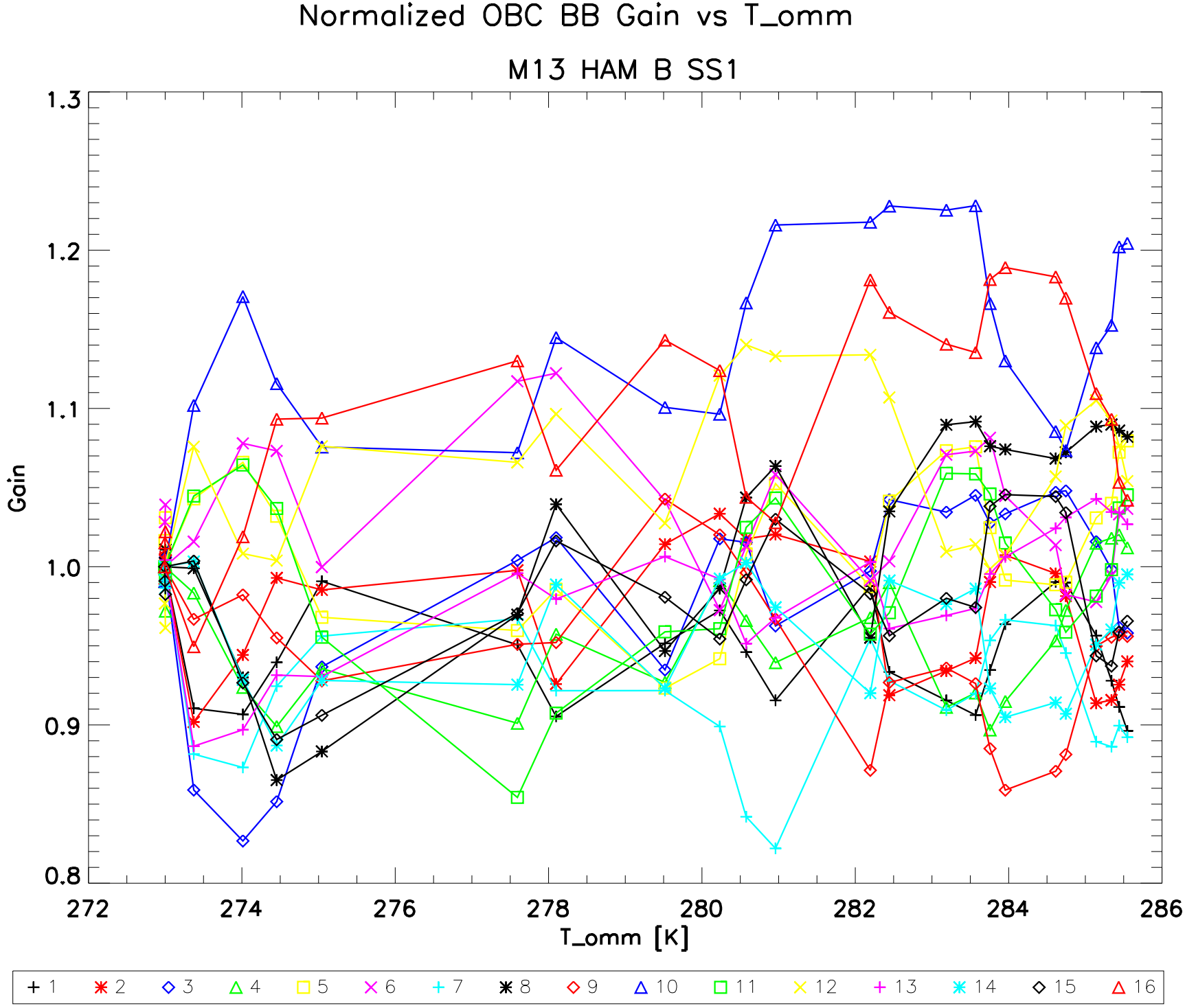

Normalized OBC BB Gain vs T_omm
I5 HAM B SS2
Gain
1.005
1.000
0.995
0.990
0.985
272
274
276
278
280
282
284
286
T_omm [K]
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

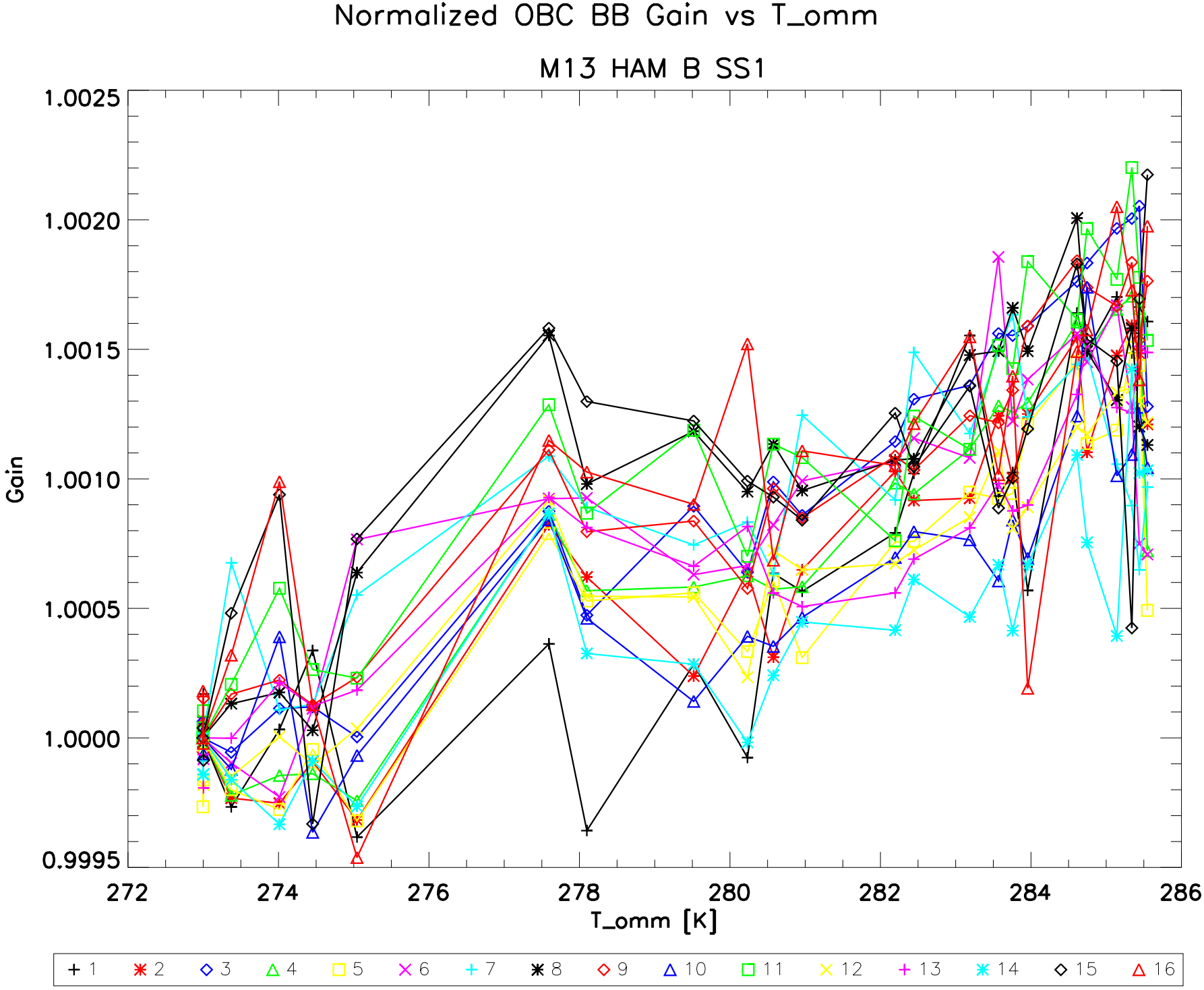

Normalized OBC BB Gain vs T_omm
M12 HAM A SS1
1.001
1.000
0.999
0.998
0.997
0.996
Gain
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

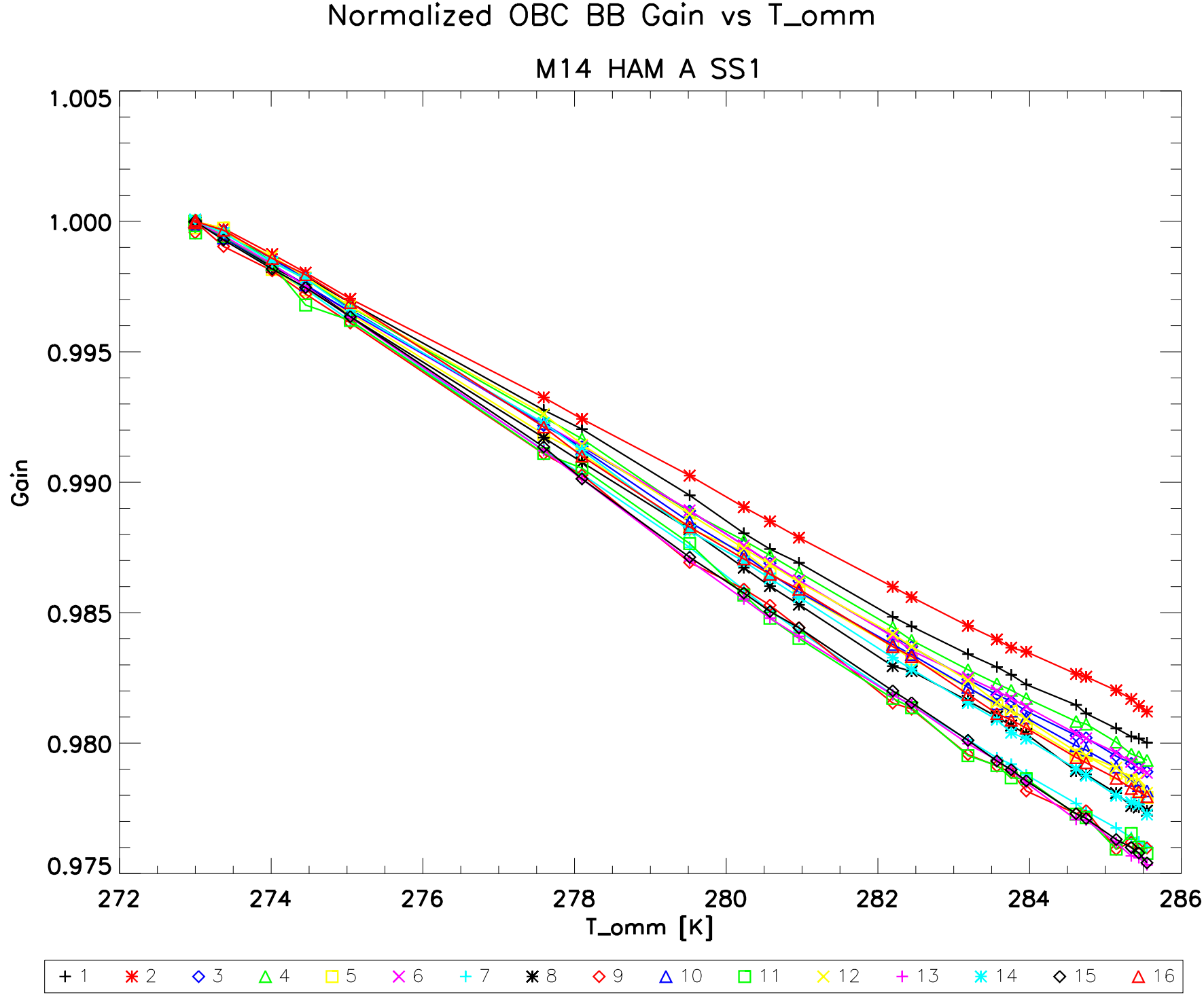

Normalized OBC BB Gain vs T_omm
M12 HAM B SS1
Gain
1.001
1.000
0.999
0.998
0.997
0.996
0.995
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

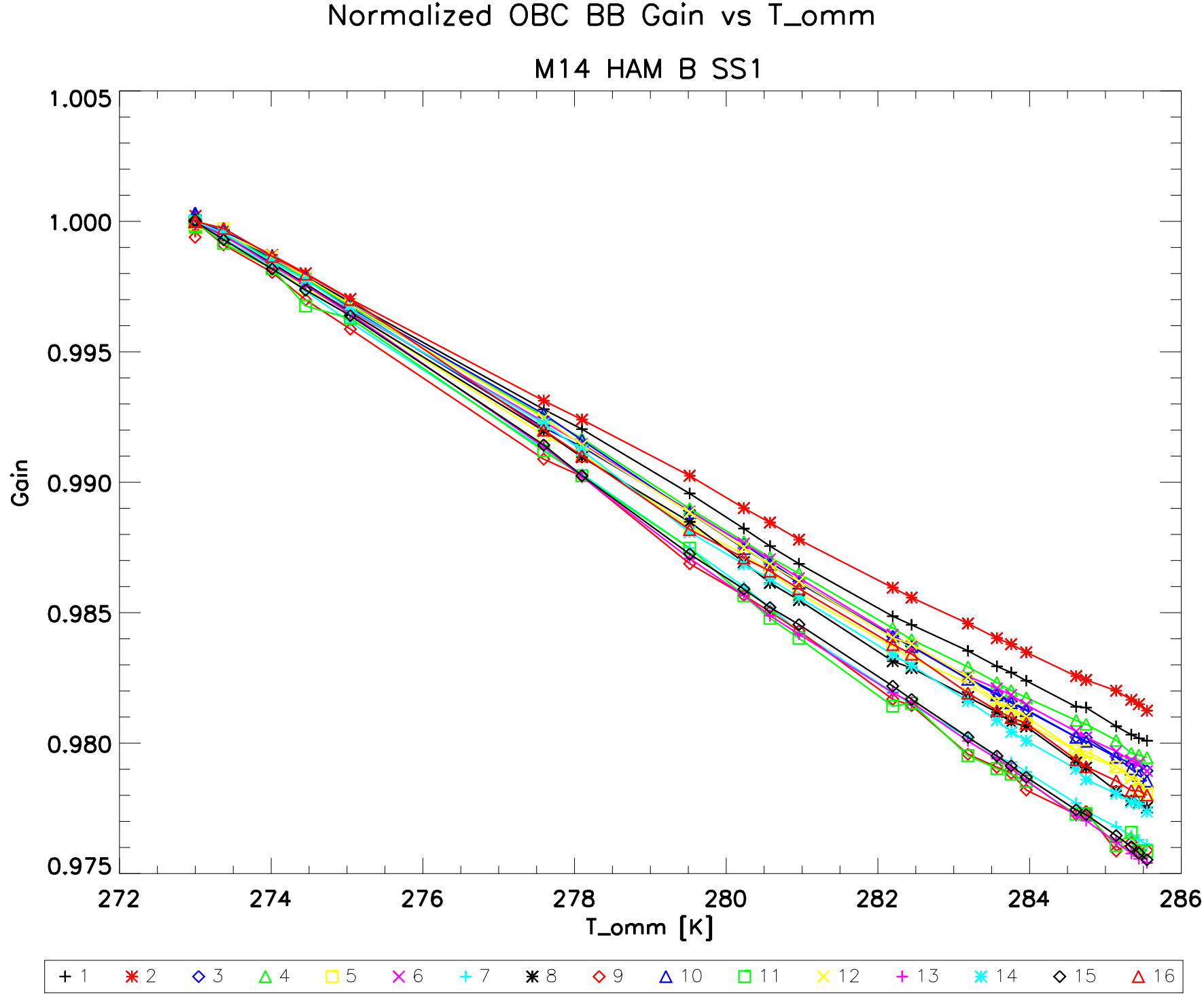

Normalized OBC BB Gain vs T_omm
M13 HAM A SS1
Gain
1.3
1.2
1.1
1.0
0.9
0.8
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

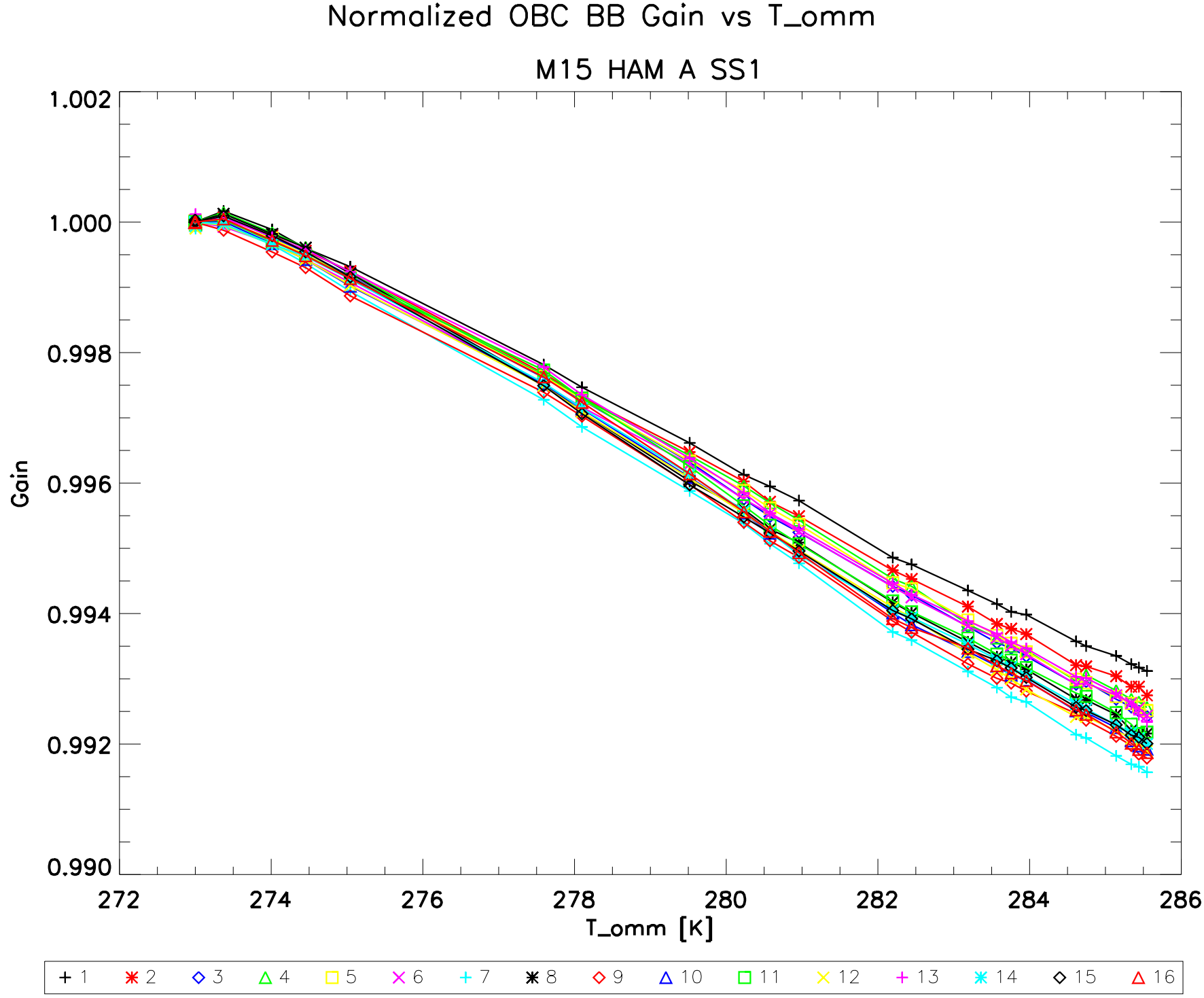

Normalized OBC BB Gain vs T_omm
M13 HAM A SS1
1.003
1.002
1.001
1.000
0.999
Gain
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

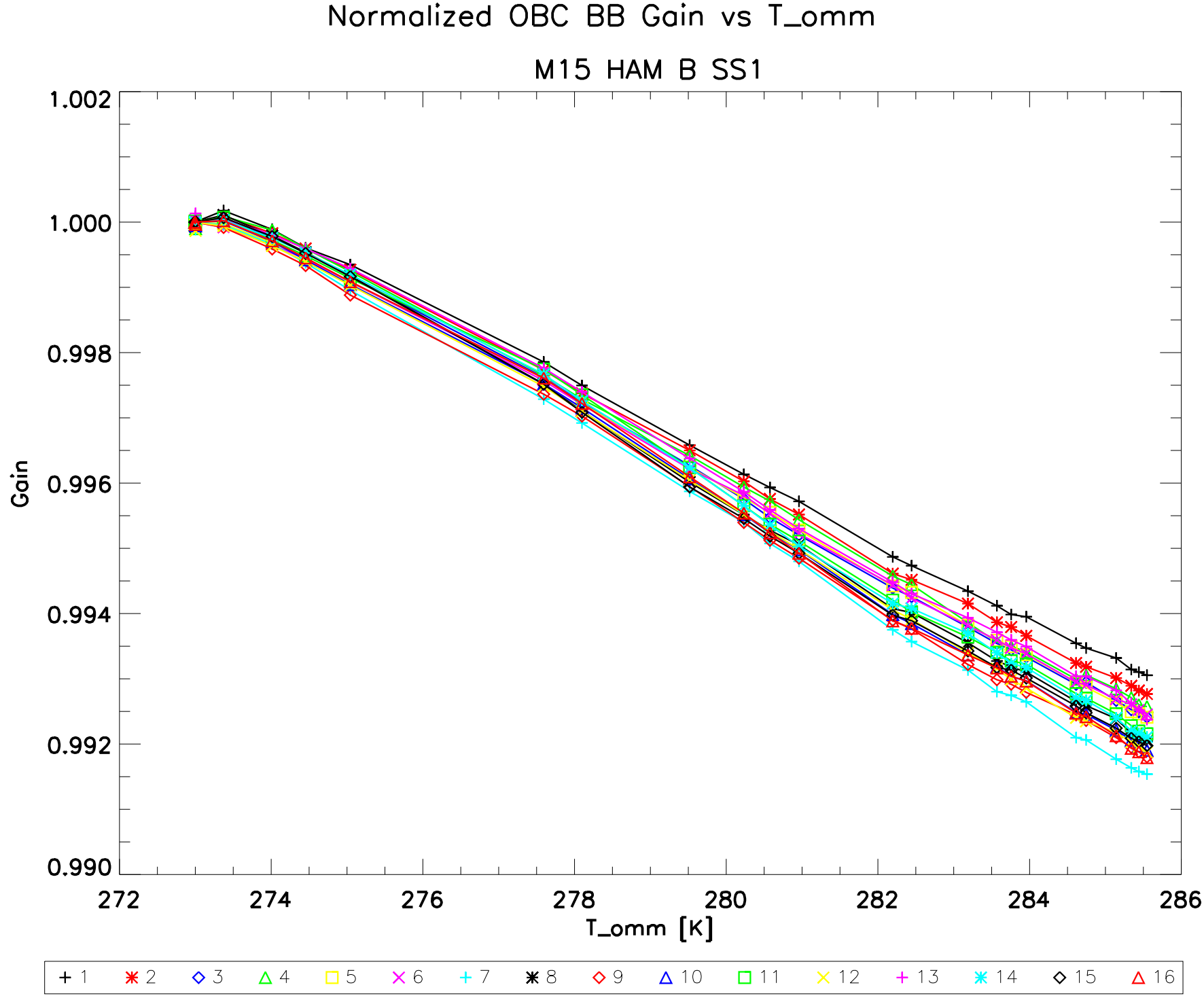

Normalized OBC BB Gain vs T_omm
M13 HAM B SS1
Gain
T_omm [K]
1.3
1.2
1.1
1.0
0.9
0.8
272
274
276
278
280
282
284
286
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

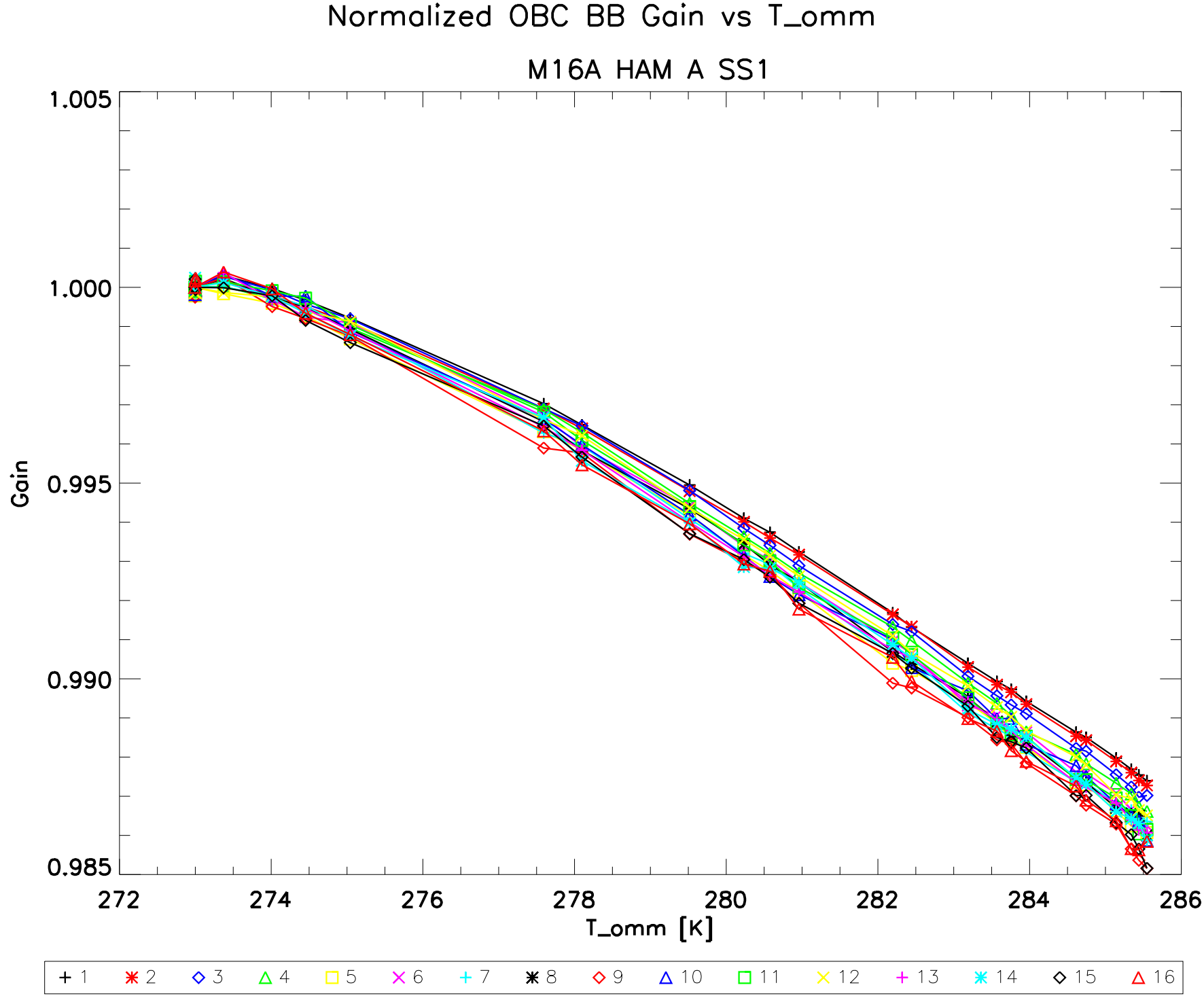

Normalized OBC BB Gain vs T_omm
M13 HAM B SS1
Gain
1.0025
1.0020
1.0015
1.0010
1.0005
1.0000
0.9995
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

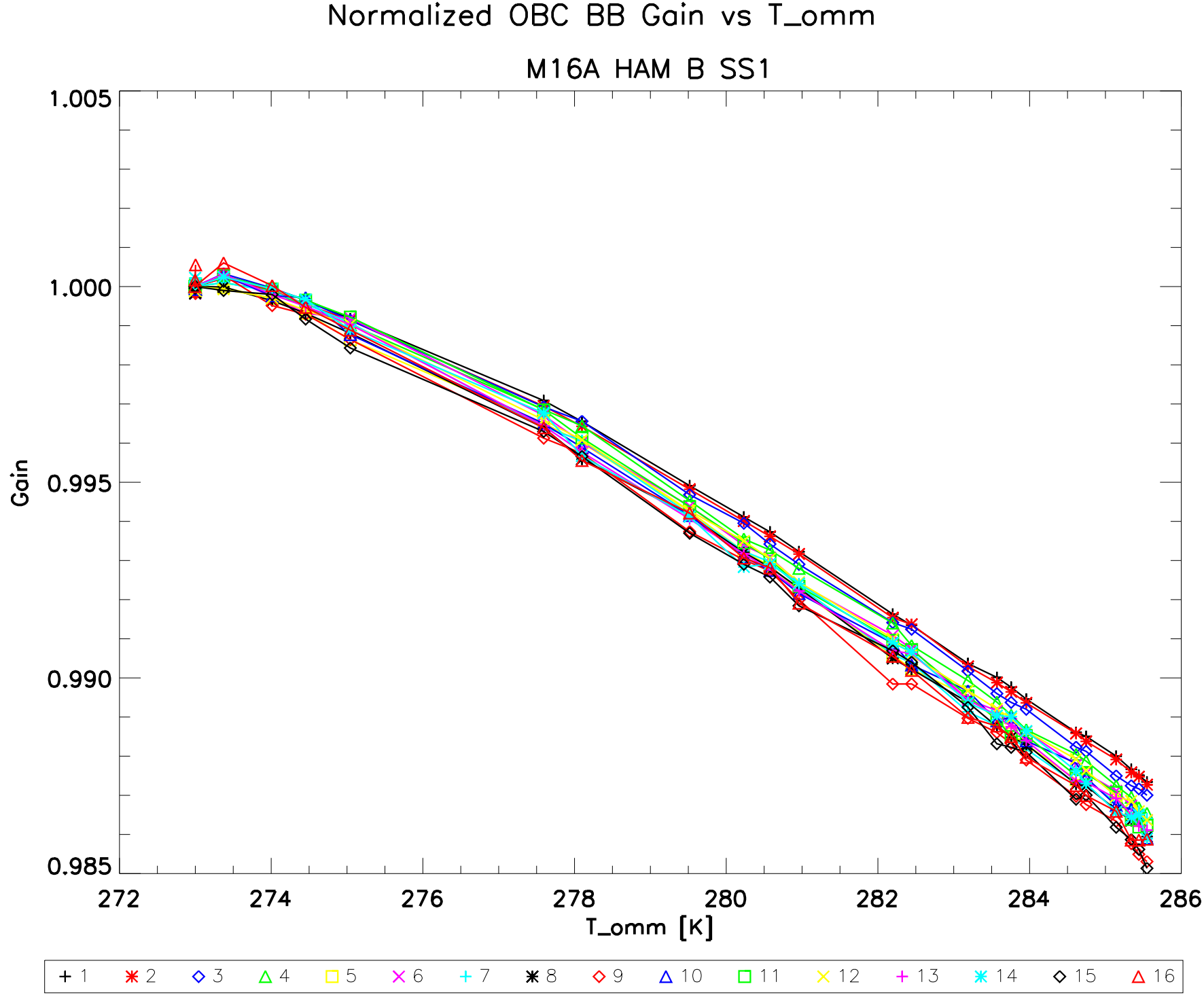

Normalized OBC BB Gain vs T_omm
M14 HAM A SS1
Gain
1.005
1.000
0.995
0.990
0.985
0.980
0.975
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

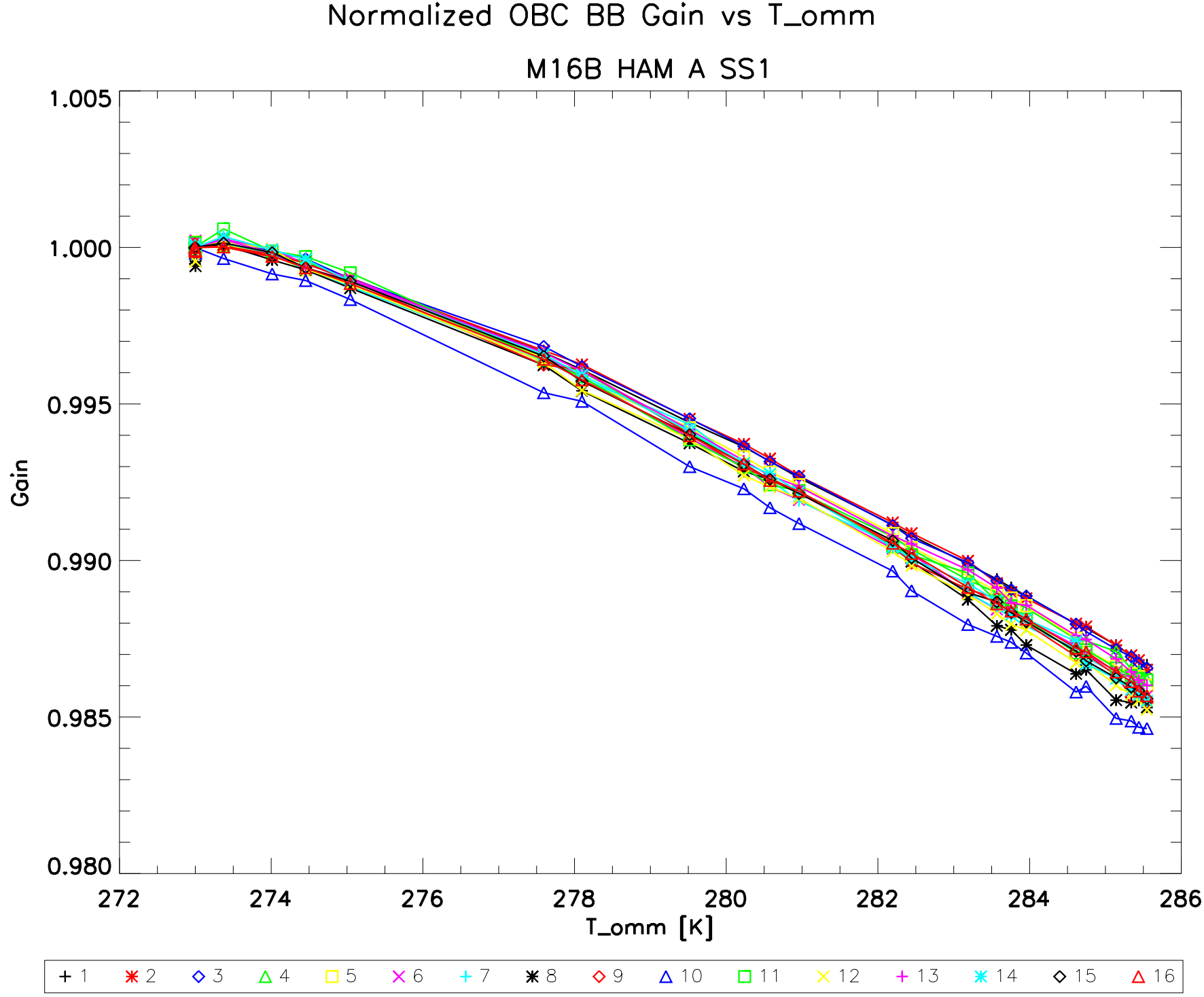

Normalized OBC BB Gain vs T_omm
M14 HAM B SS1
1.005
1.000
0.995
0.990
0.985
0.980
0.975
Gain
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

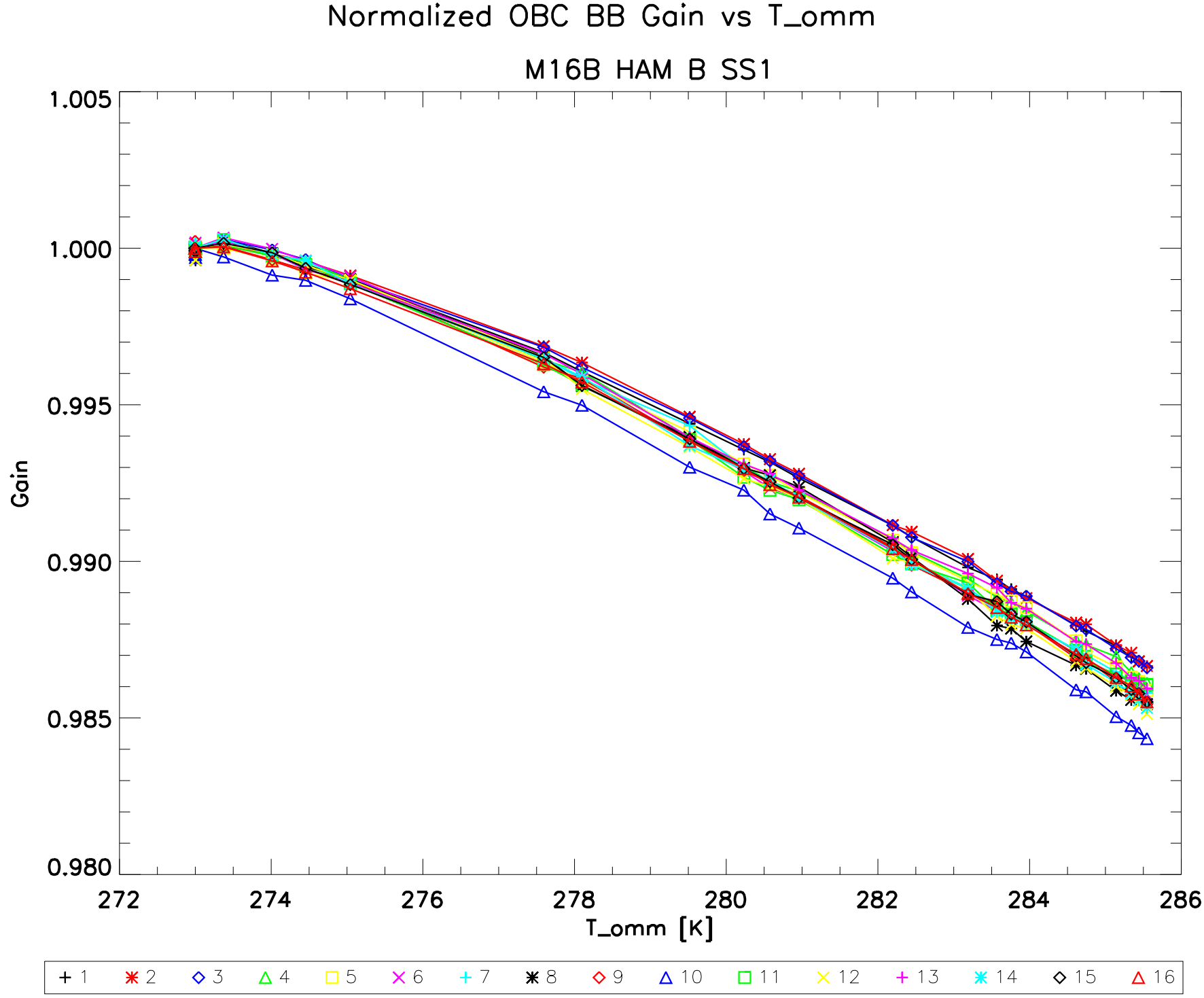

Normalized OBC BB Gain vs T_omm
M15 HAM A SS1
1.002
1.000
0.998
0.996
0.994
0.992
0.990
Gain
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

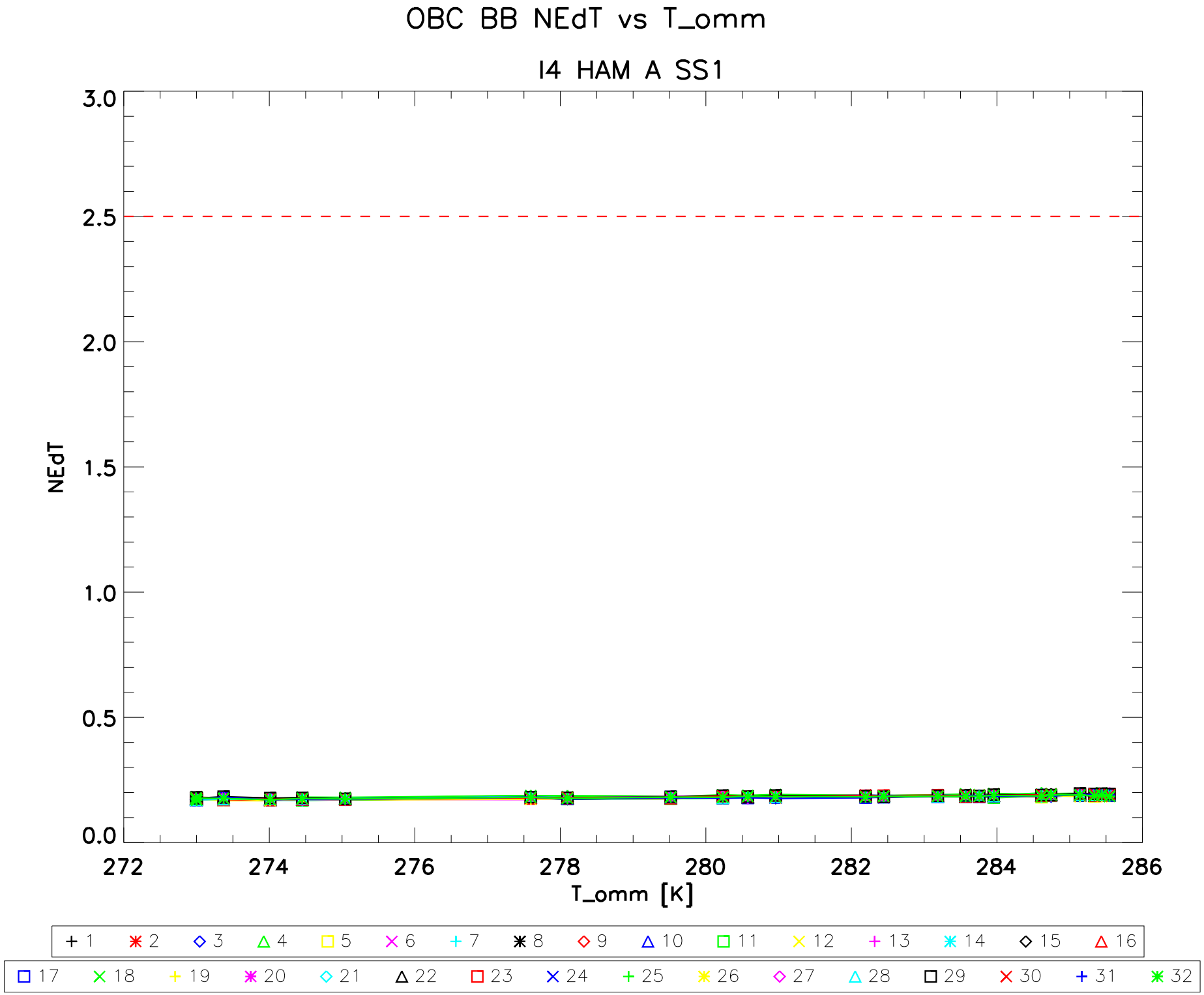

Normalized OBC BB Gain vs T_omm
M15 HAM B SS1
1.002
1.000
0.998
0.996
0.994
0.992
0.990
Gain
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

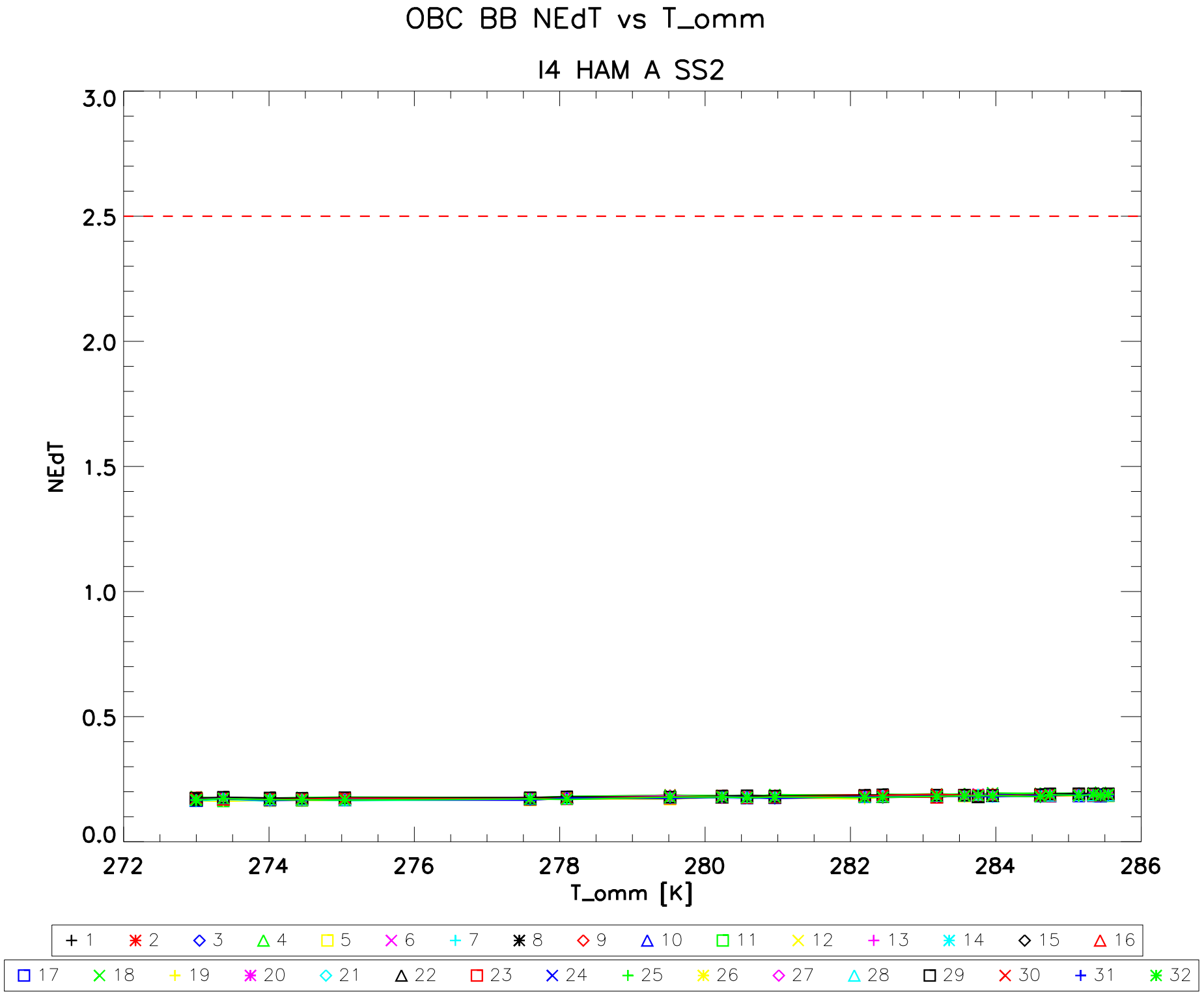

Normalized OBC BB Gain vs T_omm
M16A HAM A SS1
1.005
1.000
0.995
0.990
0.985
Gain
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

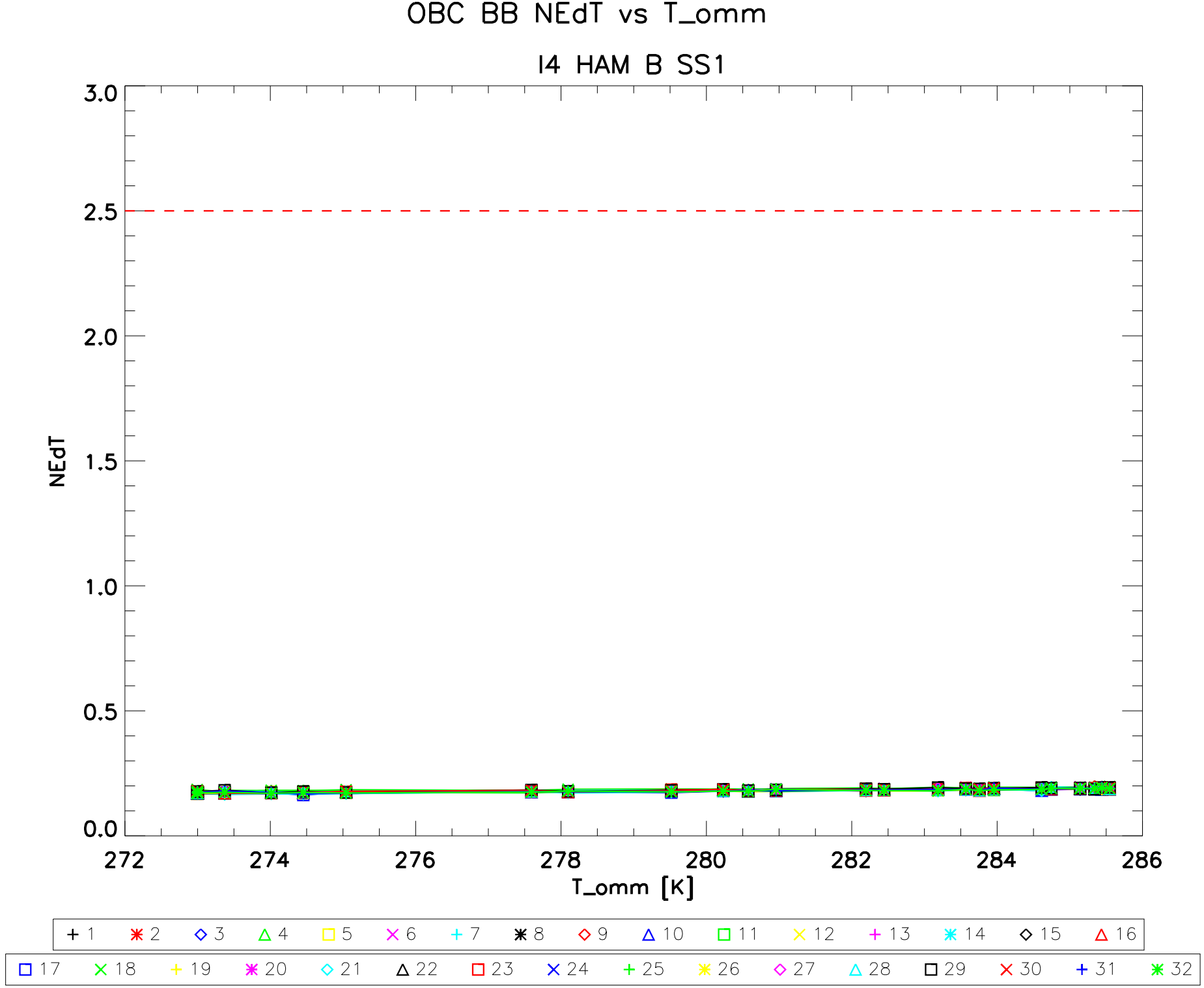

Normalized OBC BB Gain vs T_omm
M16A HAM B SS1
1.005
1.000
0.995
0.990
0.985
Gain
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

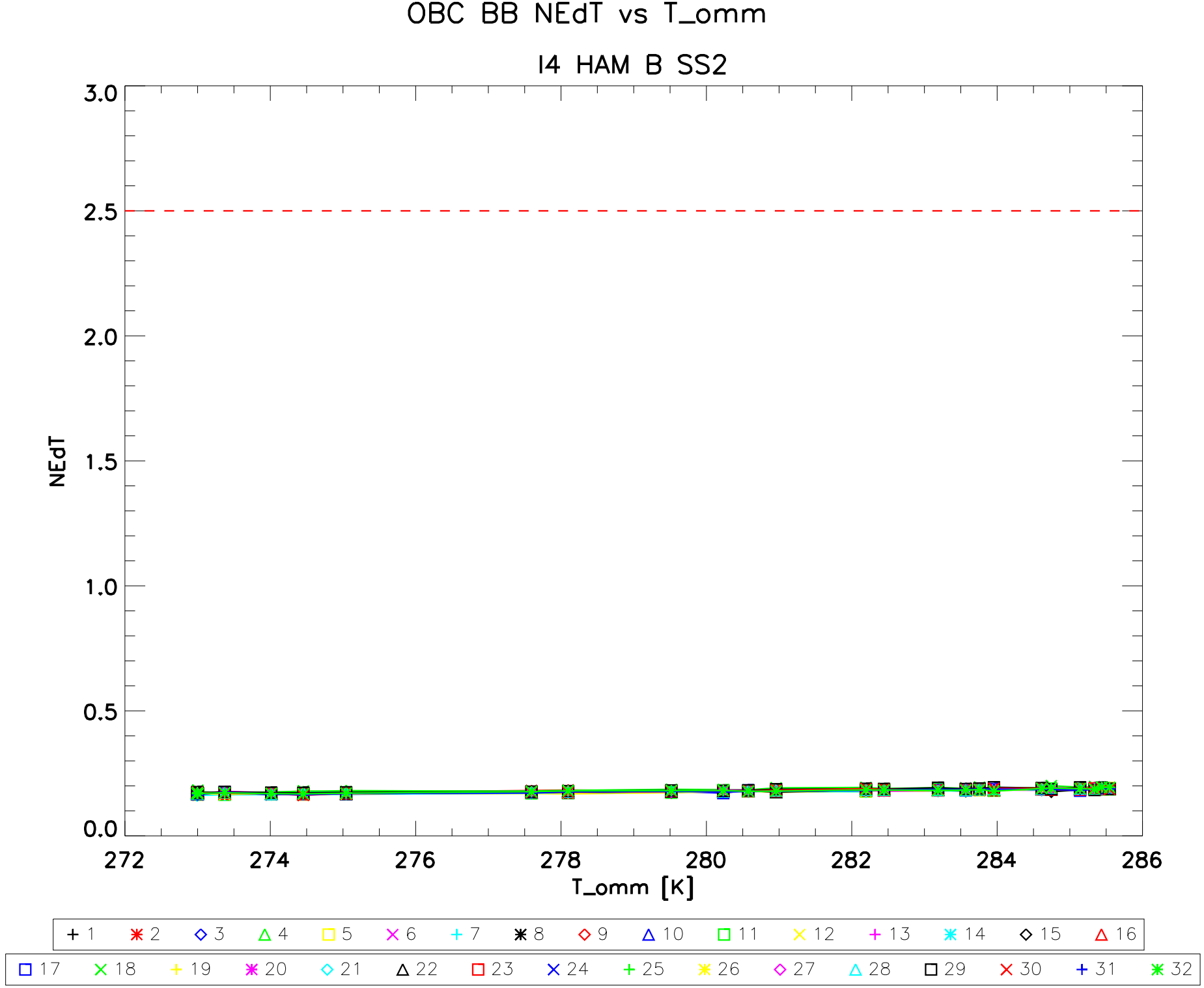

Normalized OBC BB Gain vs T_omm
M16B HAM A SS1
1.005
1.000
0.995
0.990
0.985
0.980
Gain
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

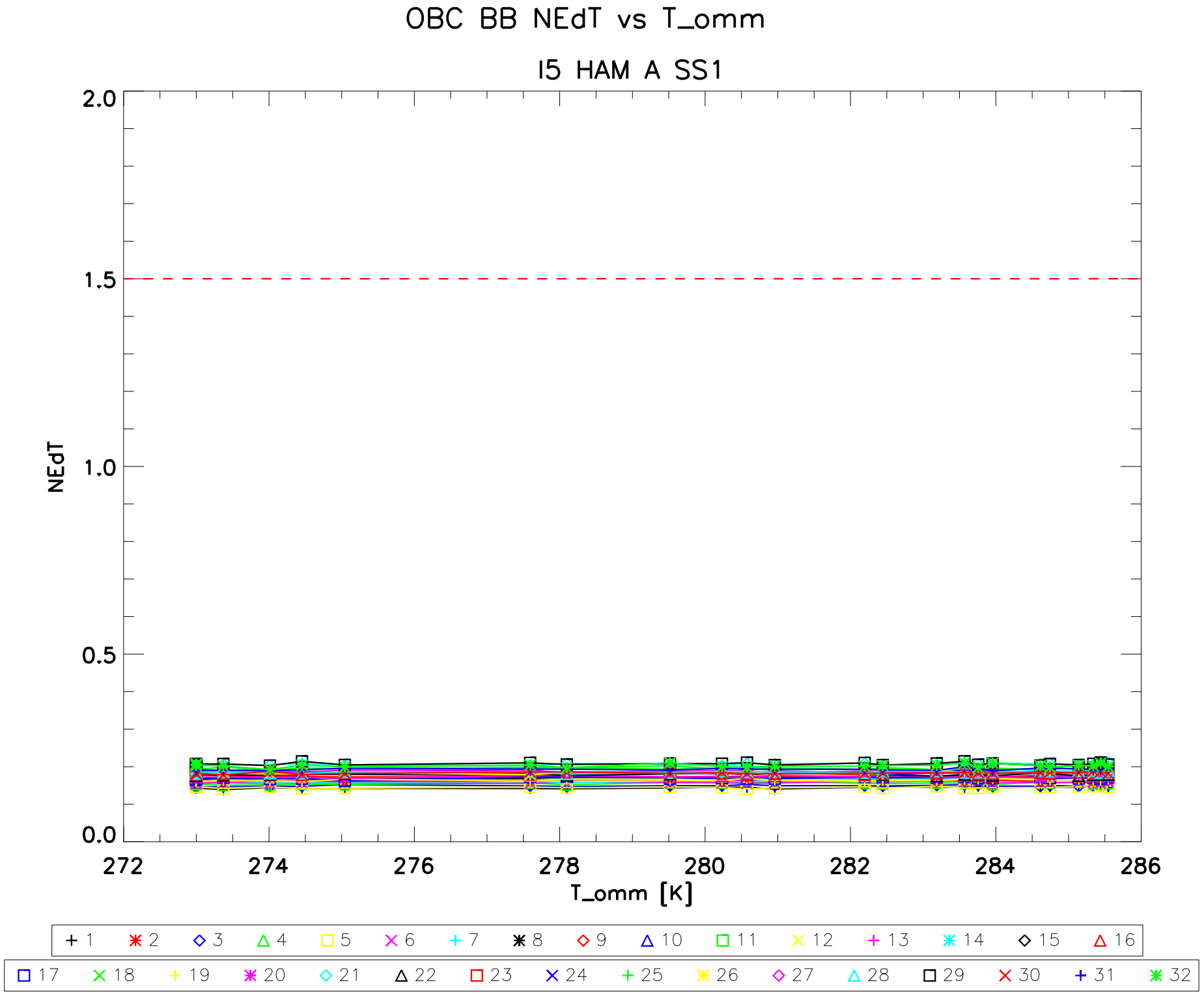

Normalized OBC BB Gain vs T_omm
M16B HAM B SS1
1.005
1.000
0.995
0.990
0.985
0.980
Gain
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

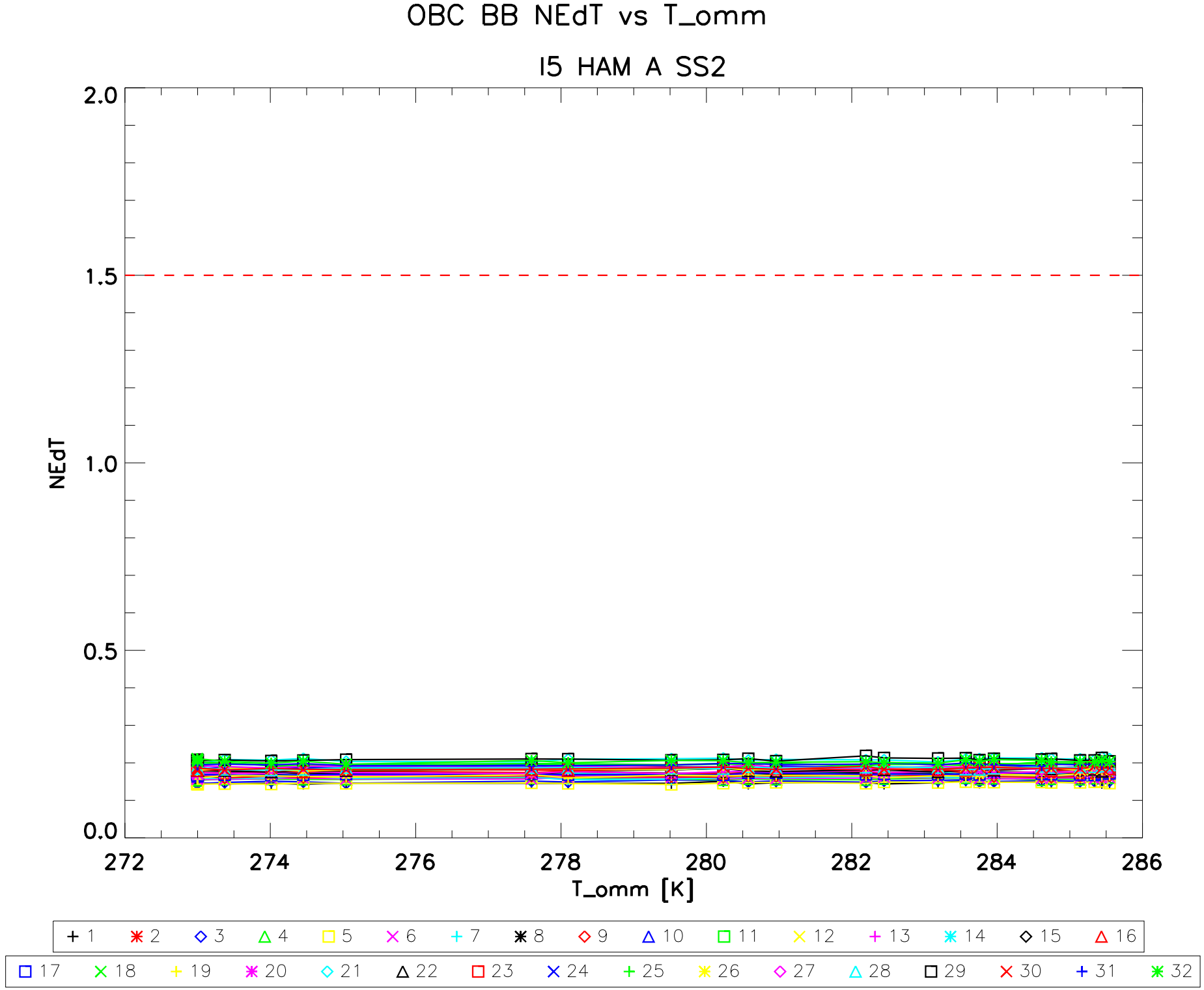

OBC BB NEdT vs T_omm
I4 HAM A SS1
NEdT
3.0
2.5
2.0
1.5
1.0
0.5
0.0
272
274
276
278
280
282
284
286
T_omm [K]
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

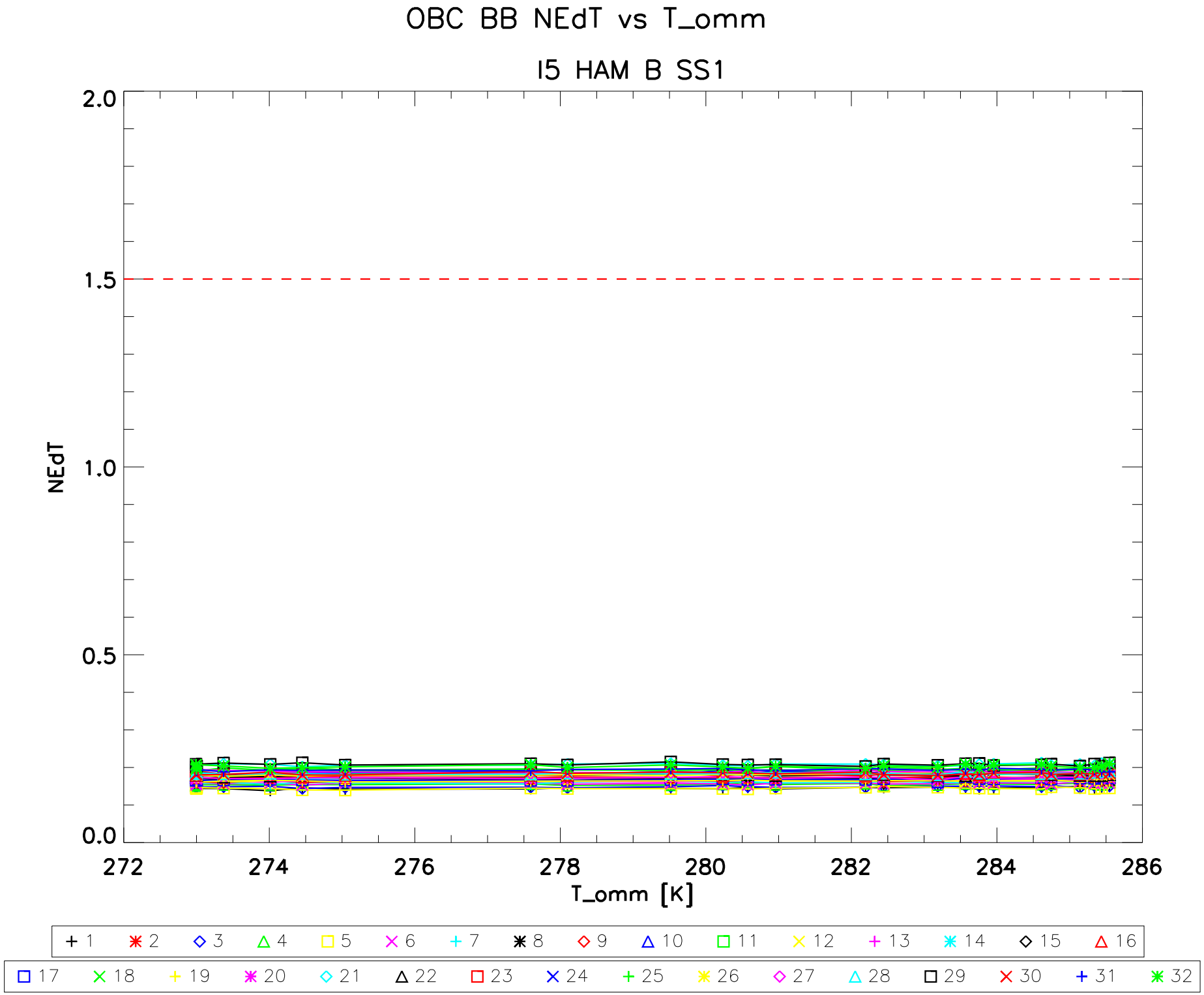

OBC BB NEdT vs T_omm
I4 HAM A SS2
NEdT
3.0
2.5
2.0
1.5
1.0
0.5
0.0
272
274
276
278
280
282
284
286
T_omm [K]
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

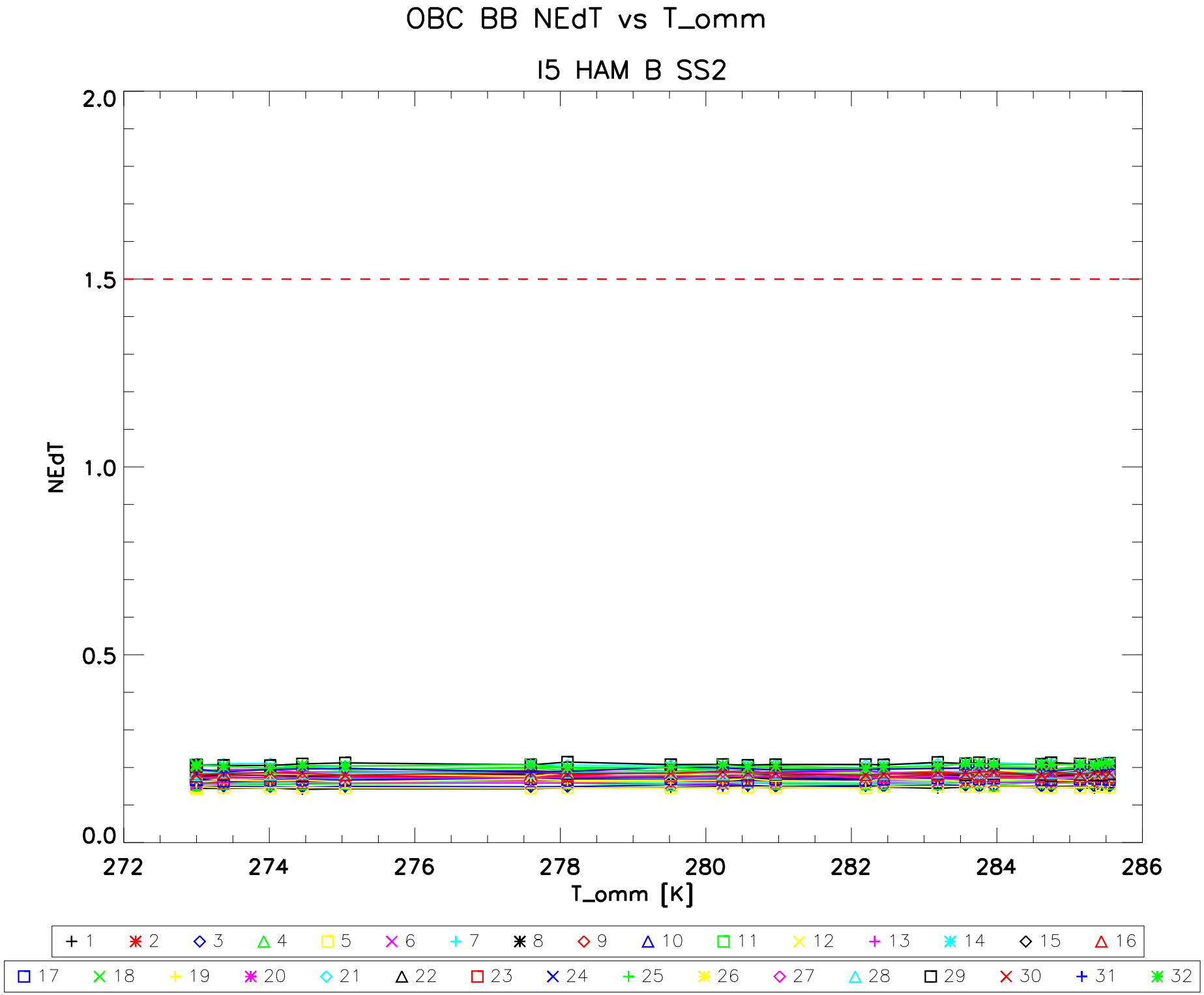

OBC BB NEdT vs T_omm
I4 HAM B SS1
NEdT
3.0
2.5
2.0
1.5
1.0
0.5
0.0
272
274
276
278
280
282
284
286
T_omm [K]
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

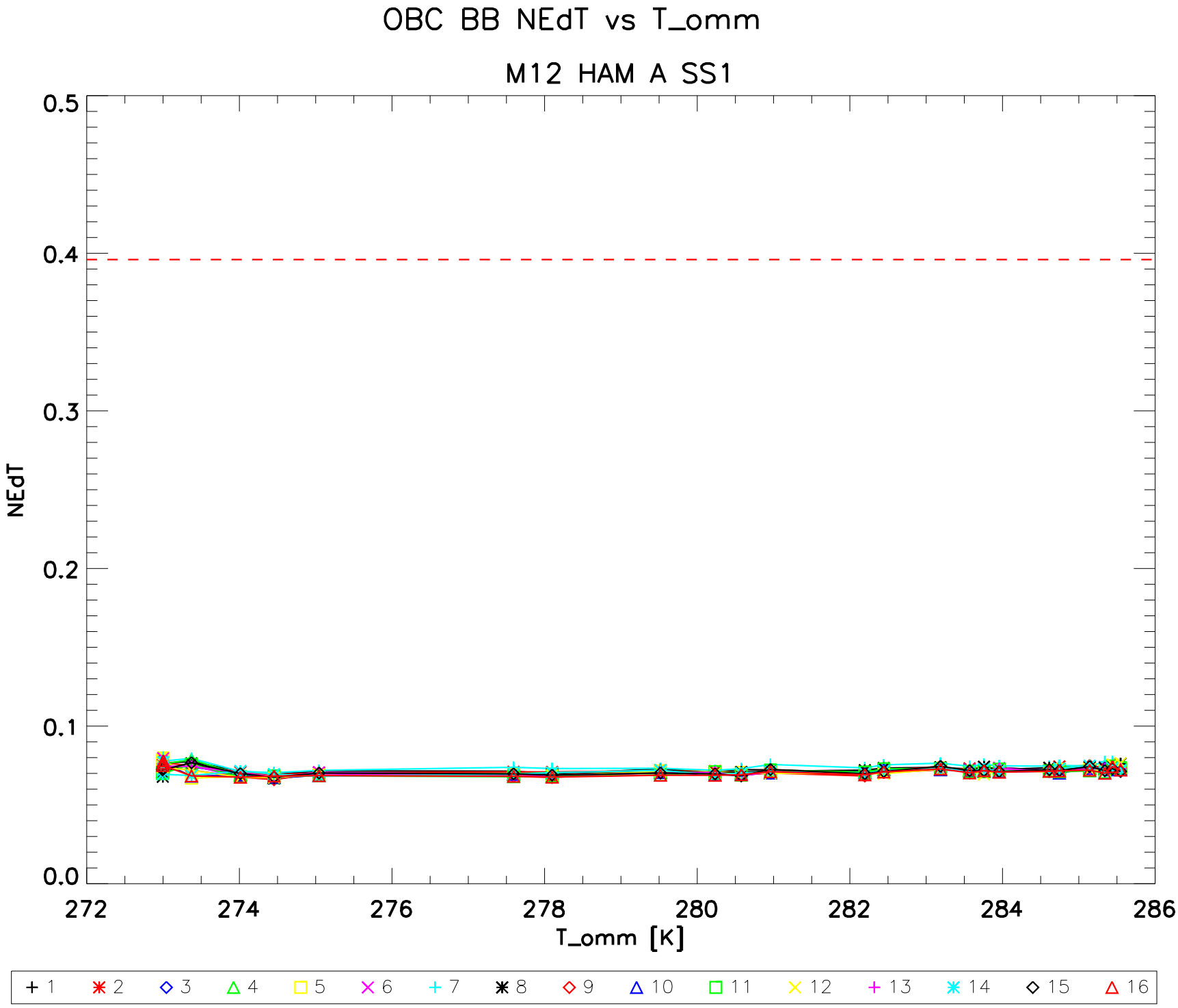

OBC BB NEdT vs T_omm
I4 HAM B SS2
NEdT
3.0
2.5
2.0
1.5
1.0
0.5
0.0
272
274
276
278
280
282
284
286
T_omm [K]
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

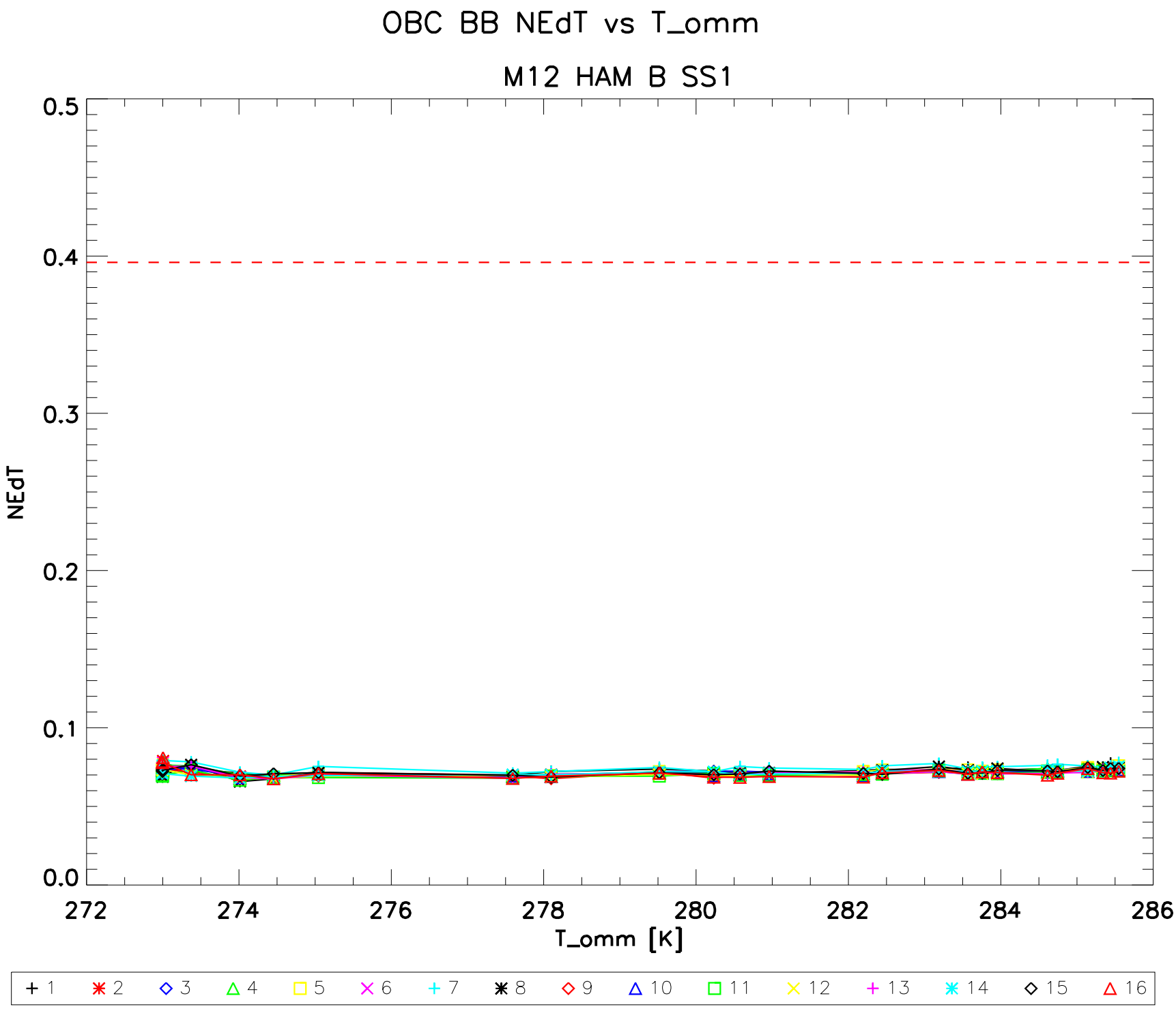

OBC BB NEdT vs T_omm
I5 HAM A SS1
NEdT
2.0
1.5
1.0
0.5
0.0
272
274
276
278
280
282
284
286
T_omm [K]
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

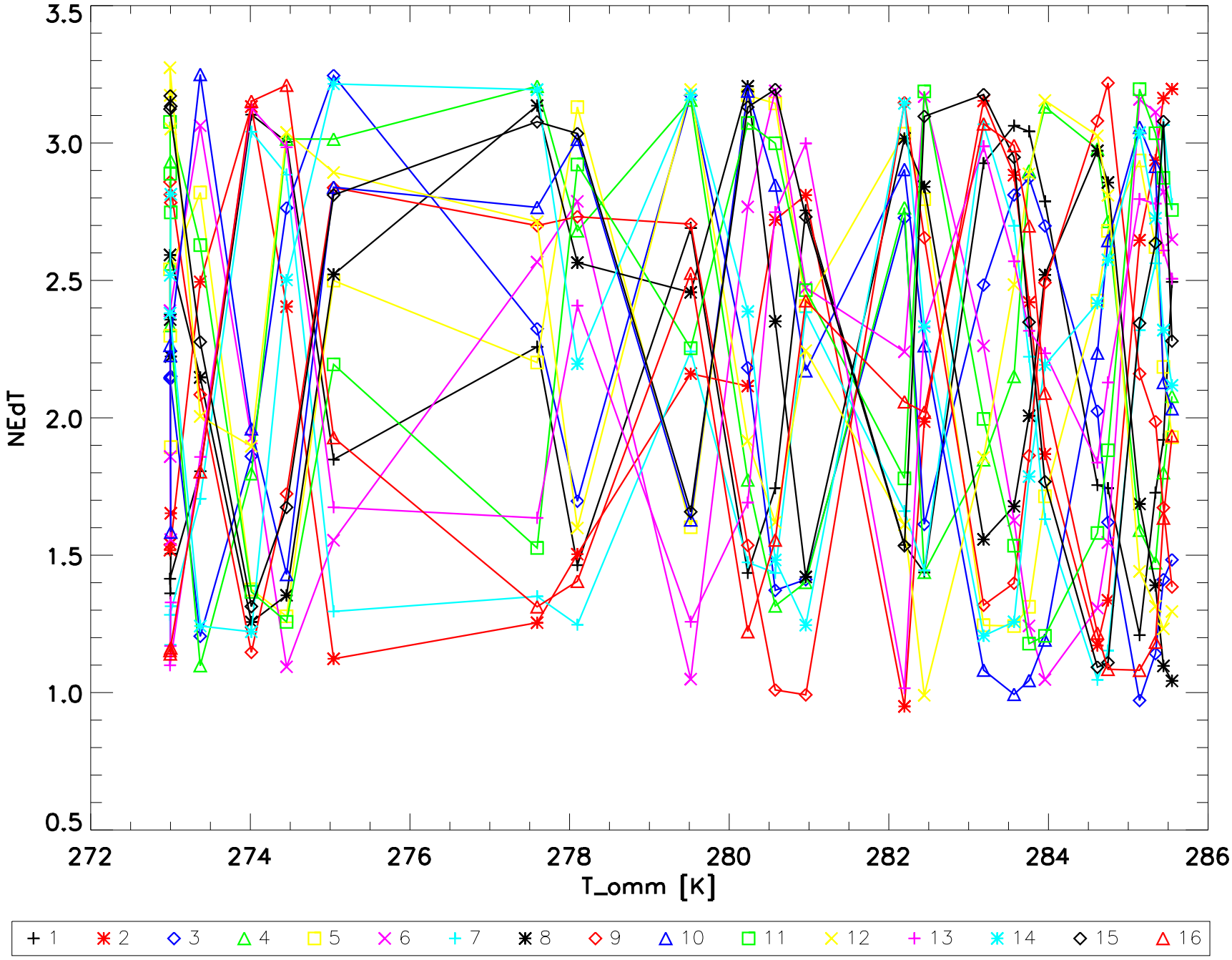

OBC BB NEdT vs T_omm
I5 HAM A SS2
NEdT
2.0
1.5
1.0
0.5
0.0
272
274
276
278
280
282
284
286
T_omm [K]
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

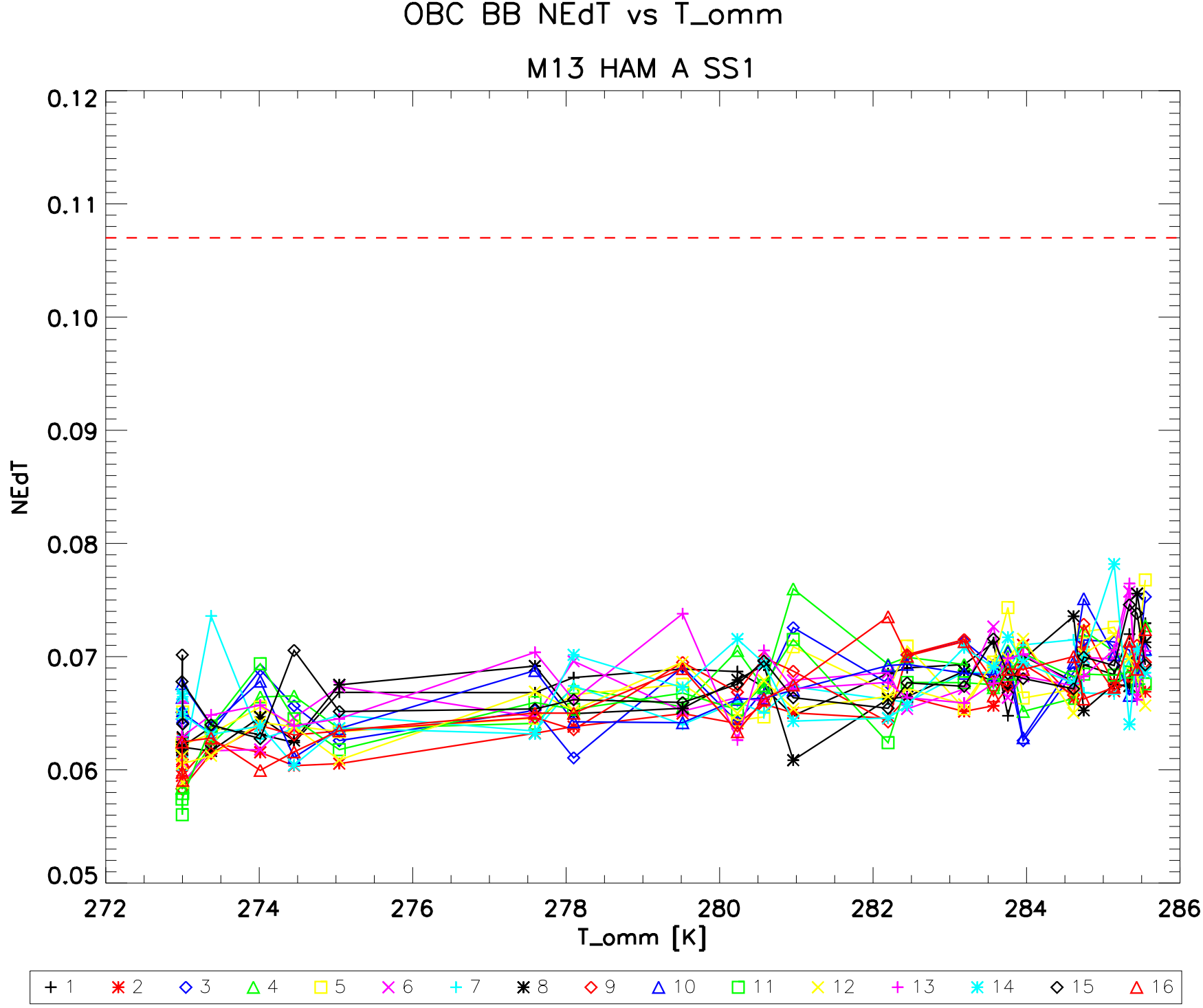

OBC BB NEdT vs T_omm
I5 HAM B SS1
NEdT
2.0
1.5
1.0
0.5
0.0
272
274
276
278
280
282
284
286
T_omm [K]
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

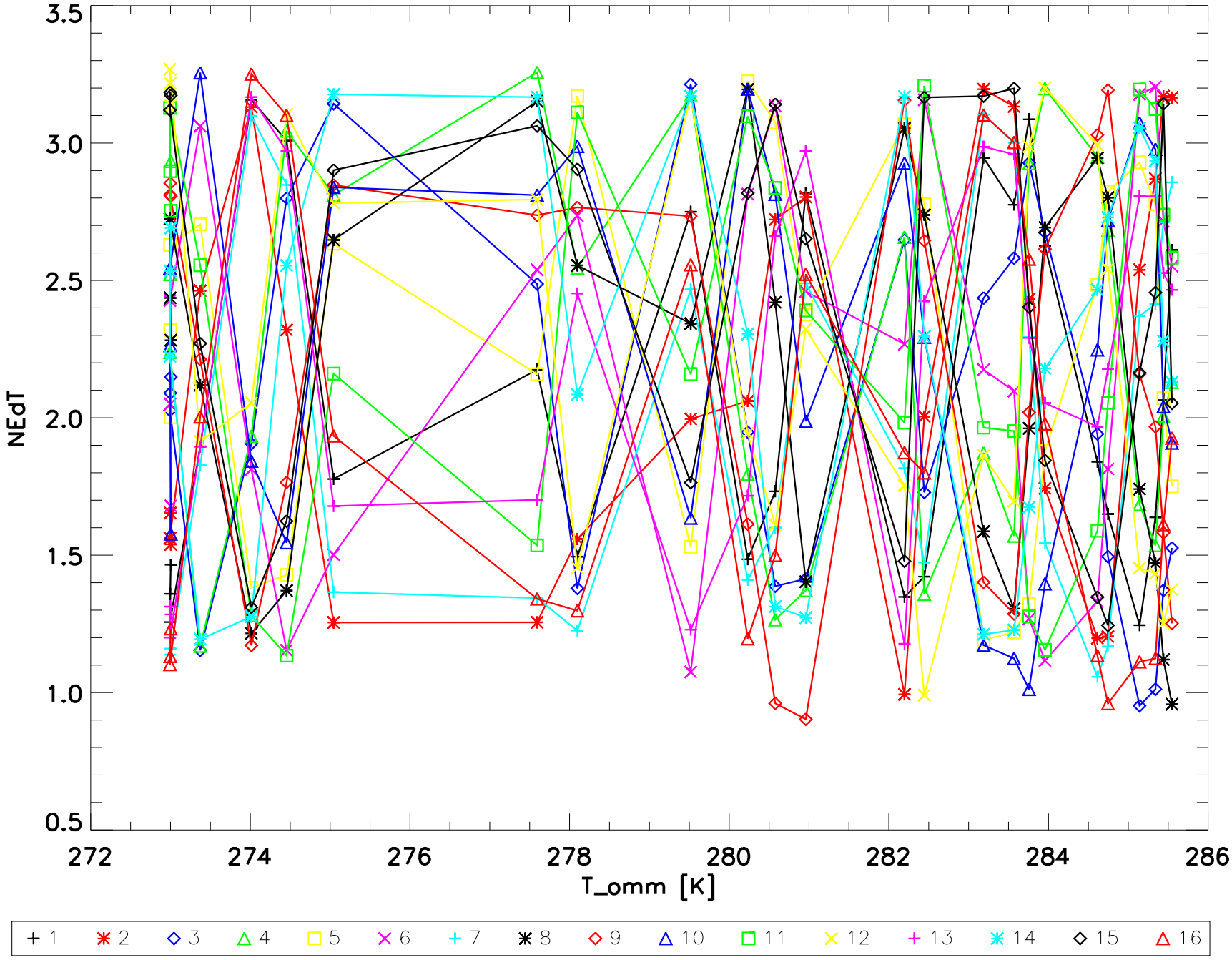

OBC BB NEdT vs T_omm
I5 HAM B SS2
NEdT
2.0
1.5
1.0
0.5
0.0
272
274
276
278
280
282
284
286
T_omm [K]
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

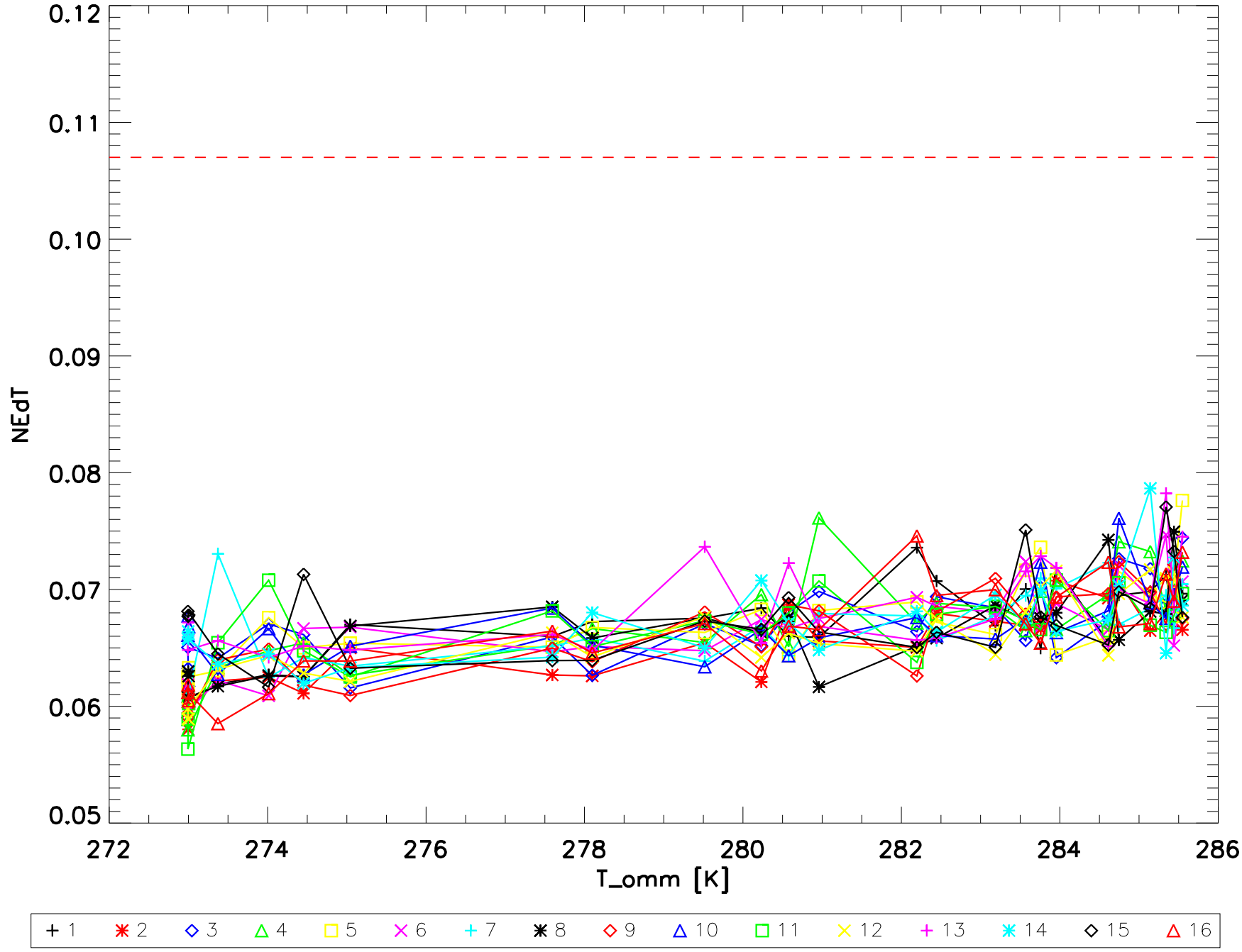

OBC BB NEdT vs T_omm
M12 HAM A SS1
NEdT
0.5
0.4
0.3
0.2
0.1
0.0
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

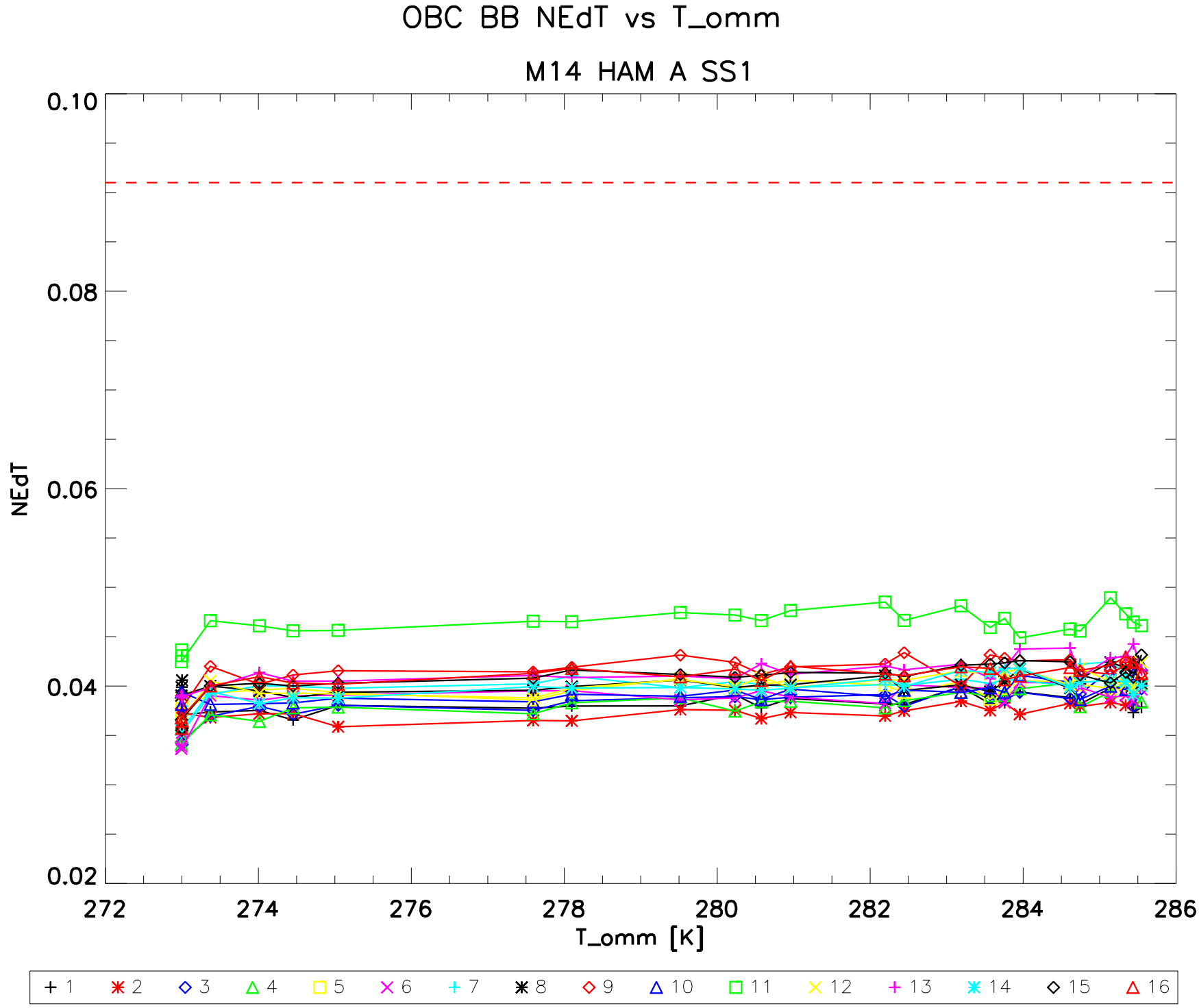

OBC BB NEdT vs T_omm
M12 HAM B SS1
0.5
0.4
0.3
0.2
0.1
0.0
NEdT
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

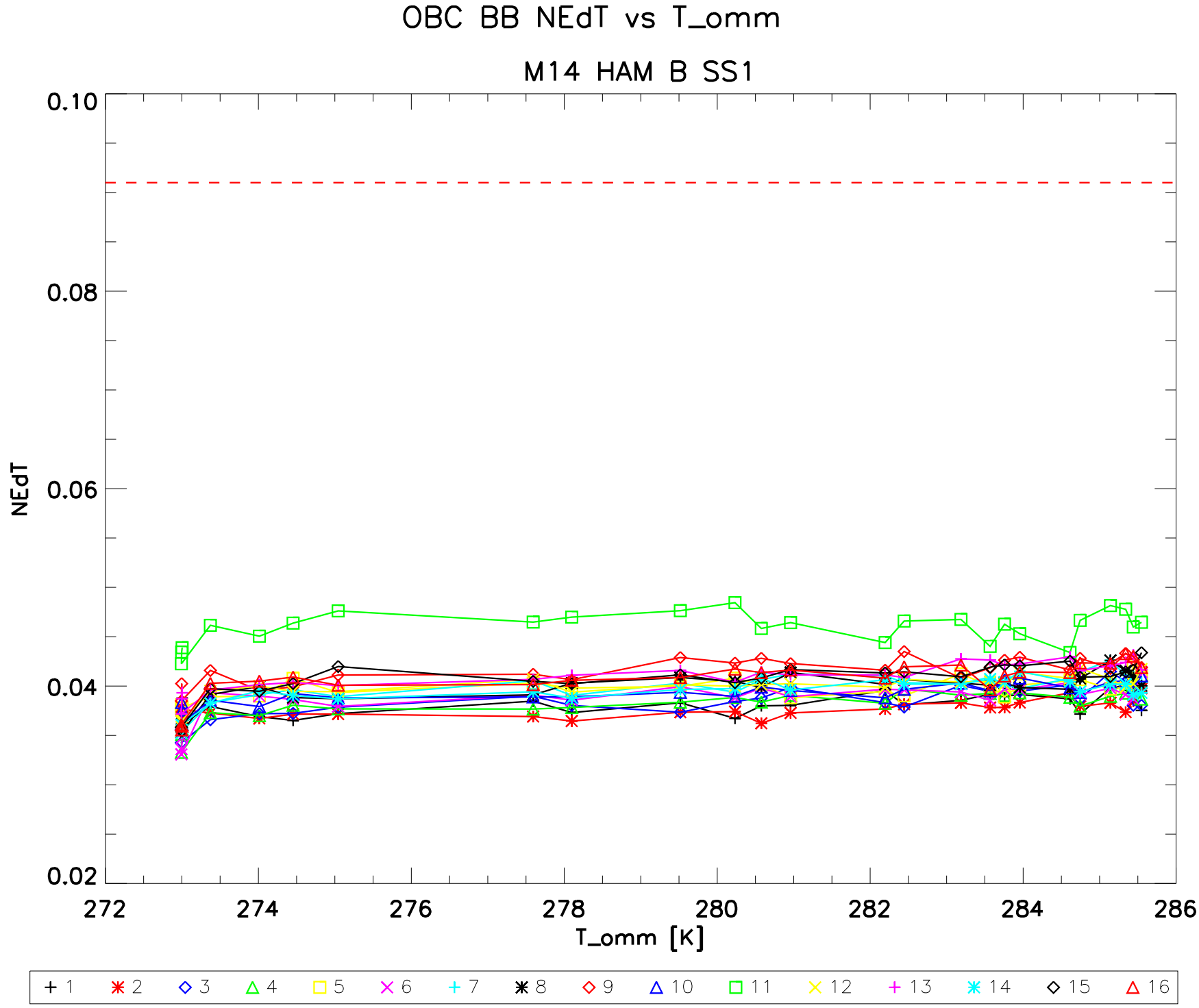

OBC BB NEdT vs T_omm
M13 HAM A SS1
NEdT
3.5
3.0
2.5
2.0
1.5
1.0
0.5
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

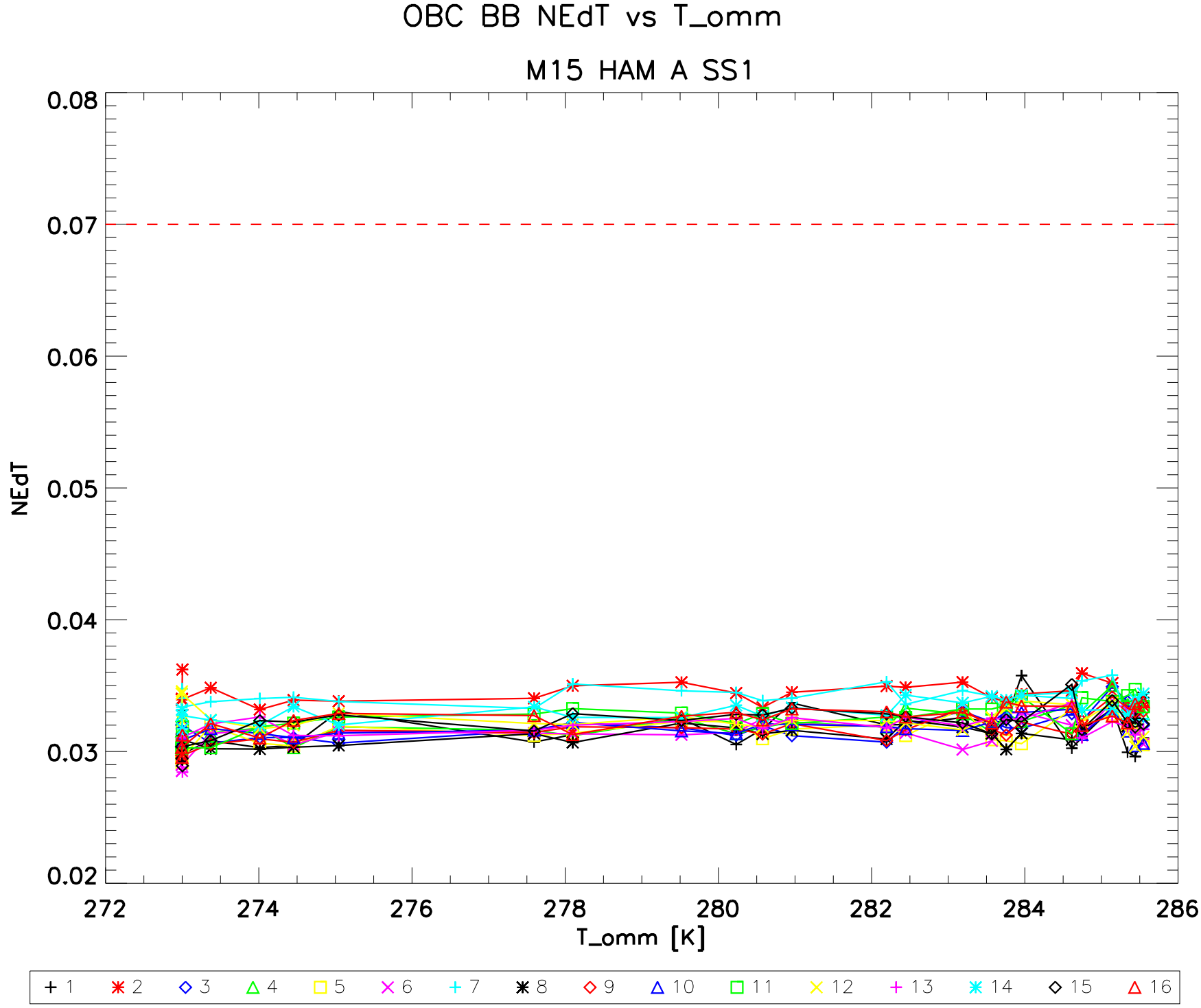

OBC BB NEdT vs T_omm
M13 HAM A SS1
NEdT
0.12
0.11
0.10
0.09
0.08
0.07
0.06
0.05
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

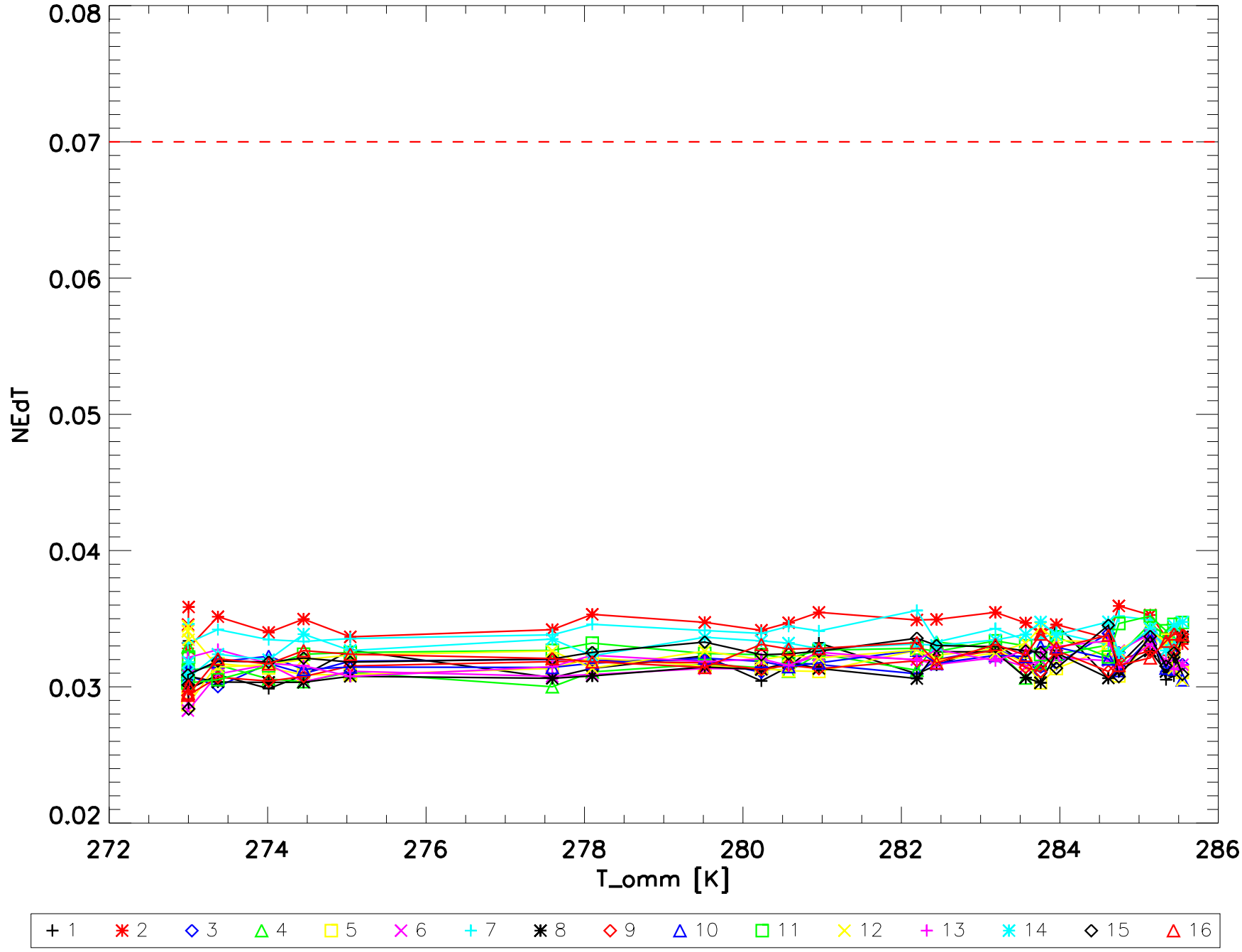

OBC BB NEdT vs T_omm
M13 HAM B SS1
NEdT
T_omm [K]
3.5
3.0
2.5
2.0
1.5
1.0
0.5
272
274
276
278
280
282
284
286
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

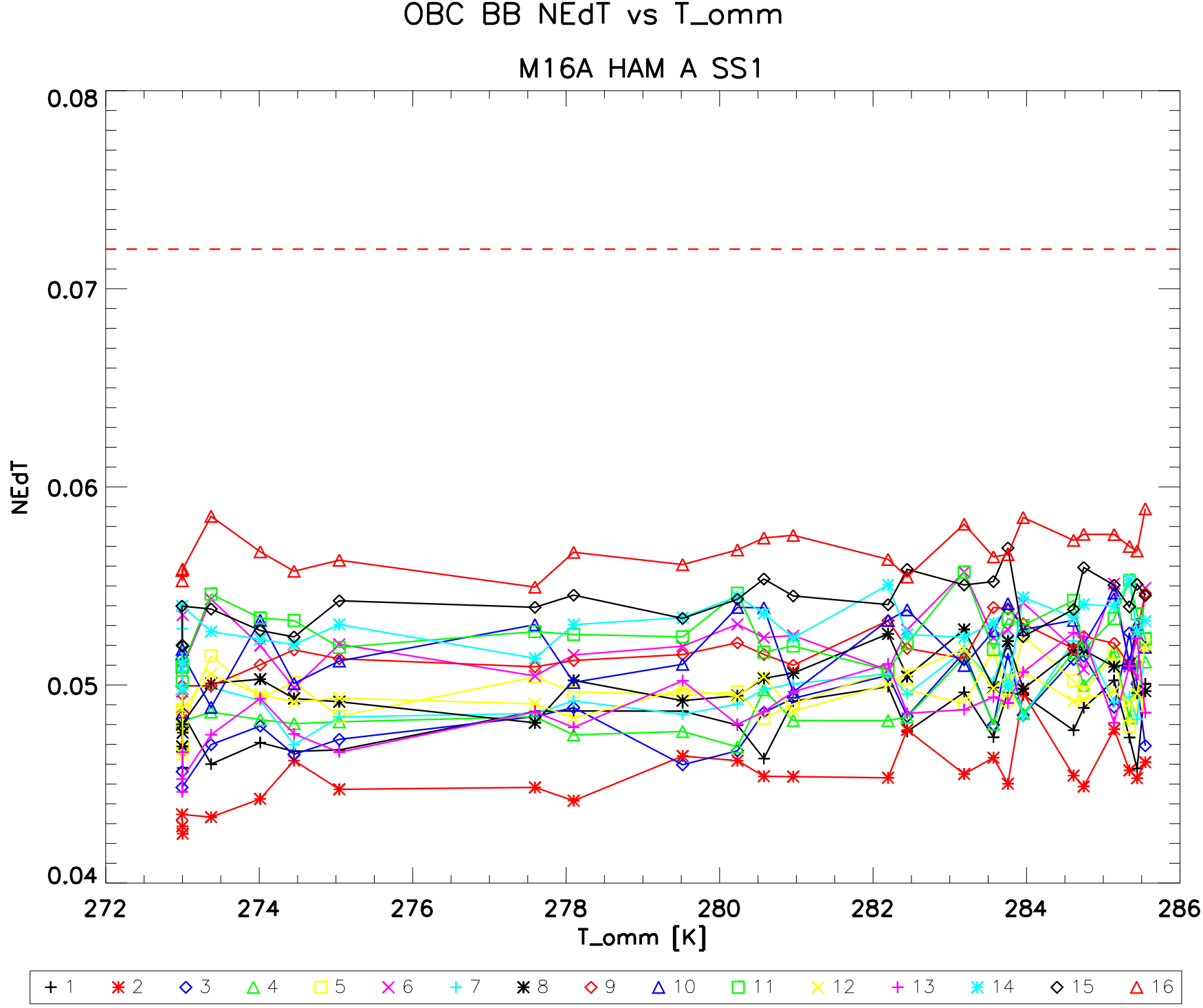

OBC BB NEdT vs T_omm
M13 HAM B SS1
NEdT
0.12
0.11
0.10
0.09
0.08
0.07
0.06
0.05
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

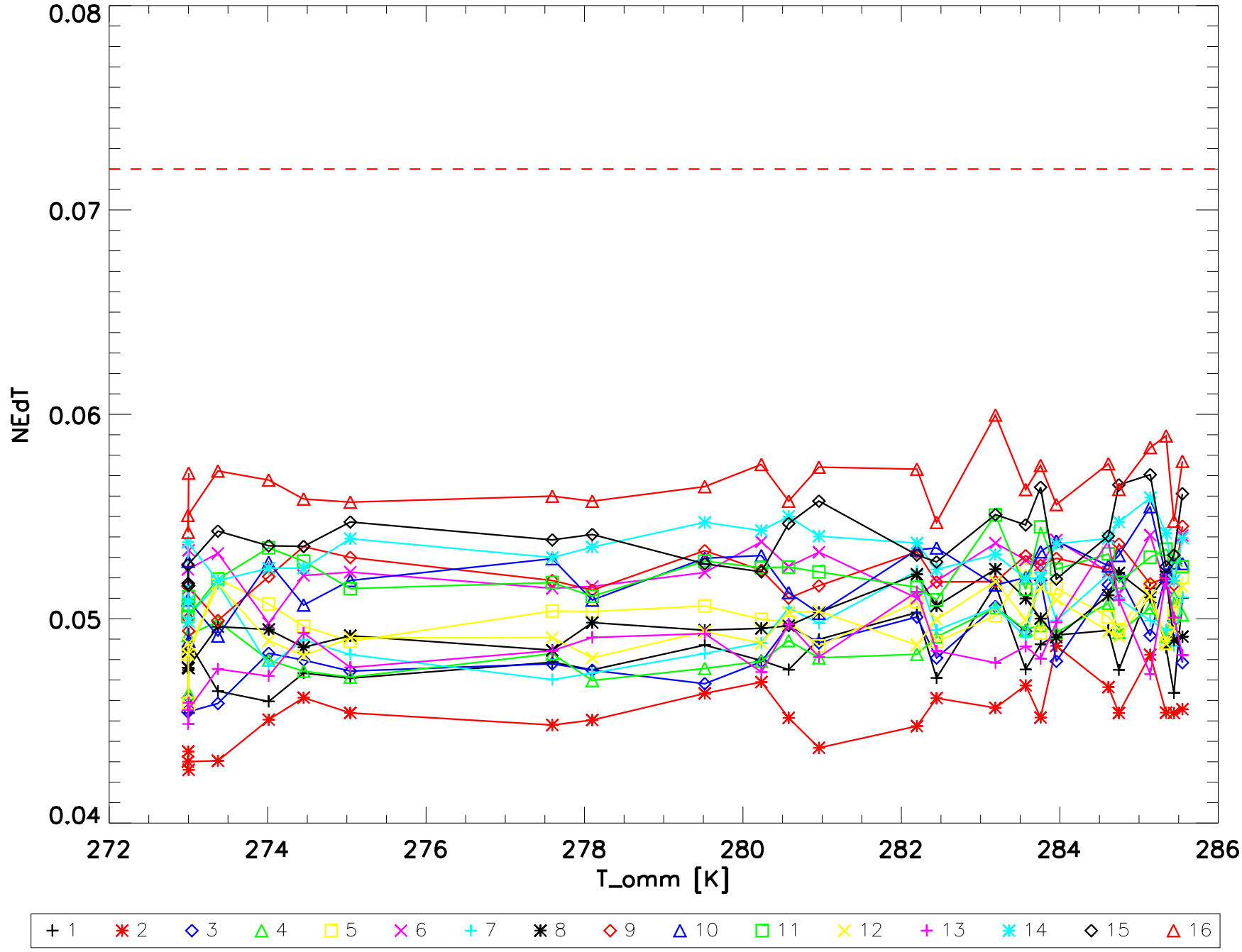

OBC BB NEdT vs T_omm
M14 HAM A SS1
0.10
0.08
0.06
0.04
0.02
NEdT
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

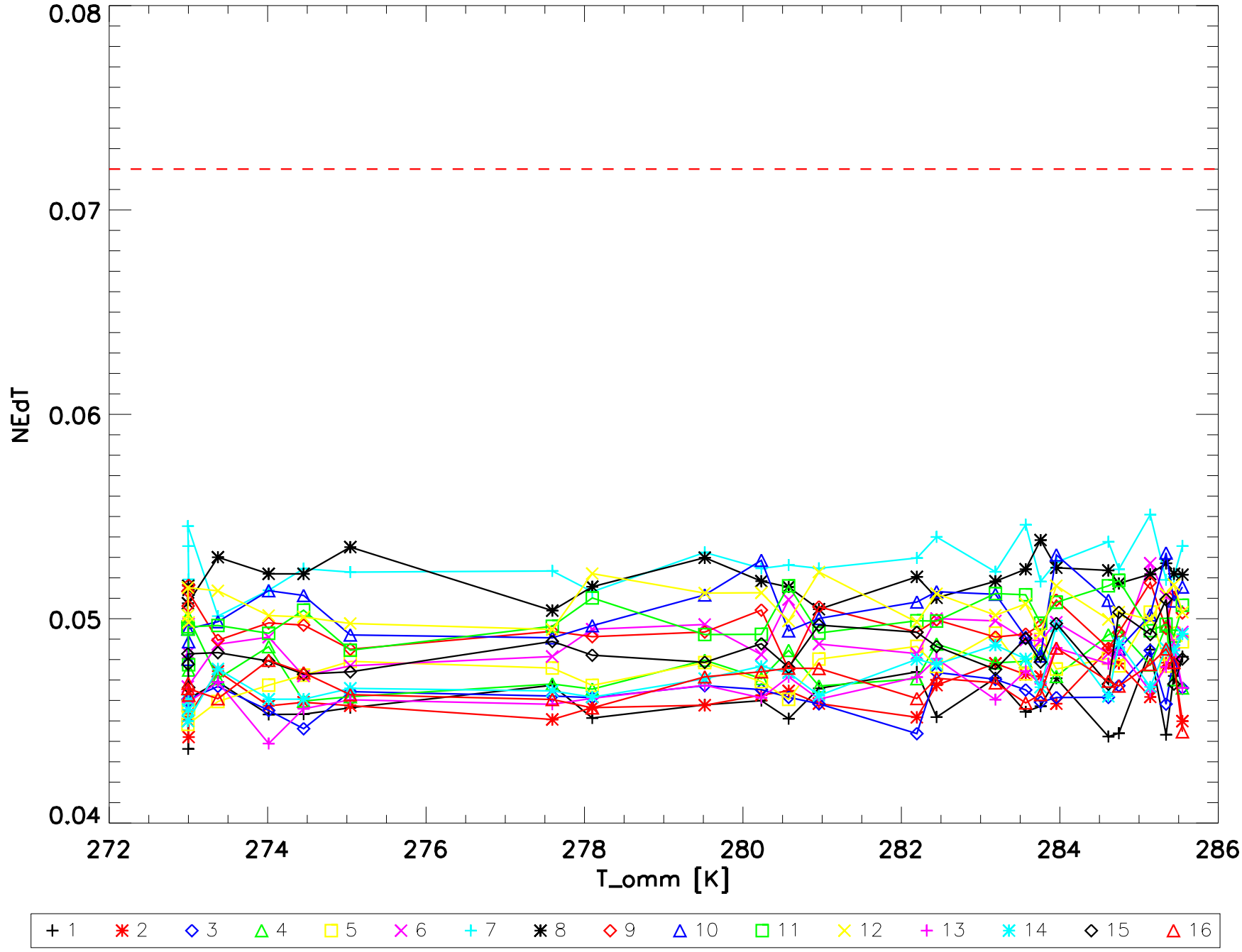

OBC BB NEdT vs T_omm
M14 HAM B SS1
0.10
0.08
0.06
0.04
0.02
NEdT
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

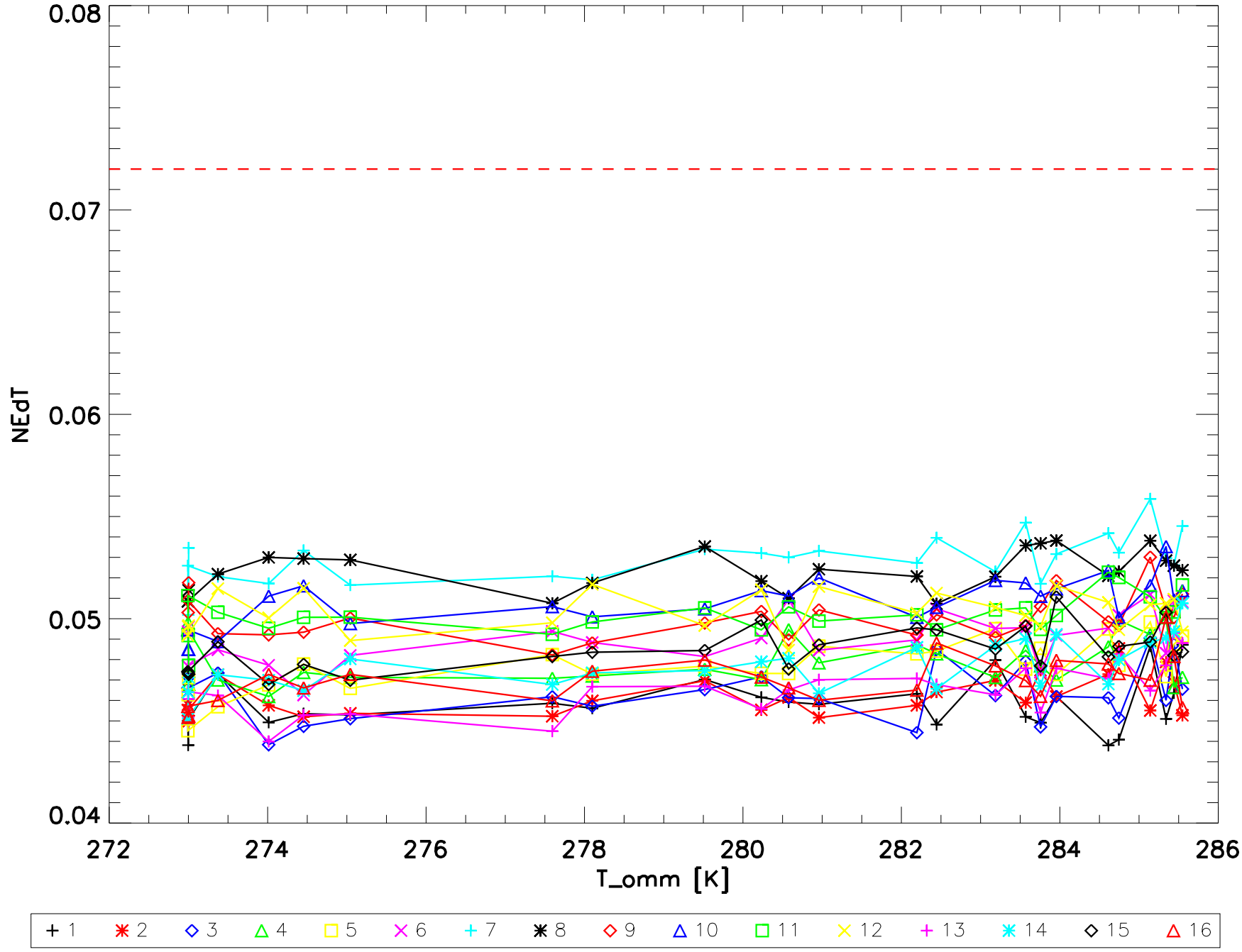

OBC BB NEdT vs T_omm
M15 HAM A SS1
NEdT
0.08
0.07
0.06
0.05
0.04
0.03
0.02
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16


OBC BB NEdT vs T_omm
M15 HAM B SS1
NEdT
0.08
0.07
0.06
0.05
0.04
0.03
0.02
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16


OBC BB NEdT vs T_omm
M16A HAM A SS1
NEdT
0.08
0.07
0.06
0.05
0.04
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16


OBC BB NEdT vs T_omm
M16A HAM B SS1
NEdT
0.08
0.07
0.06
0.05
0.04
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16


OBC BB NEdT vs T_omm
M16B HAM A SS1
NEdT
0.08
0.07
0.06
0.05
0.04
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16


OBC BB NEdT vs T_omm
M16B HAM B SS1
NEdT
0.08
0.07
0.06
0.05
0.04
272
274
276
278
280
282
284
286
T_omm [K]
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16