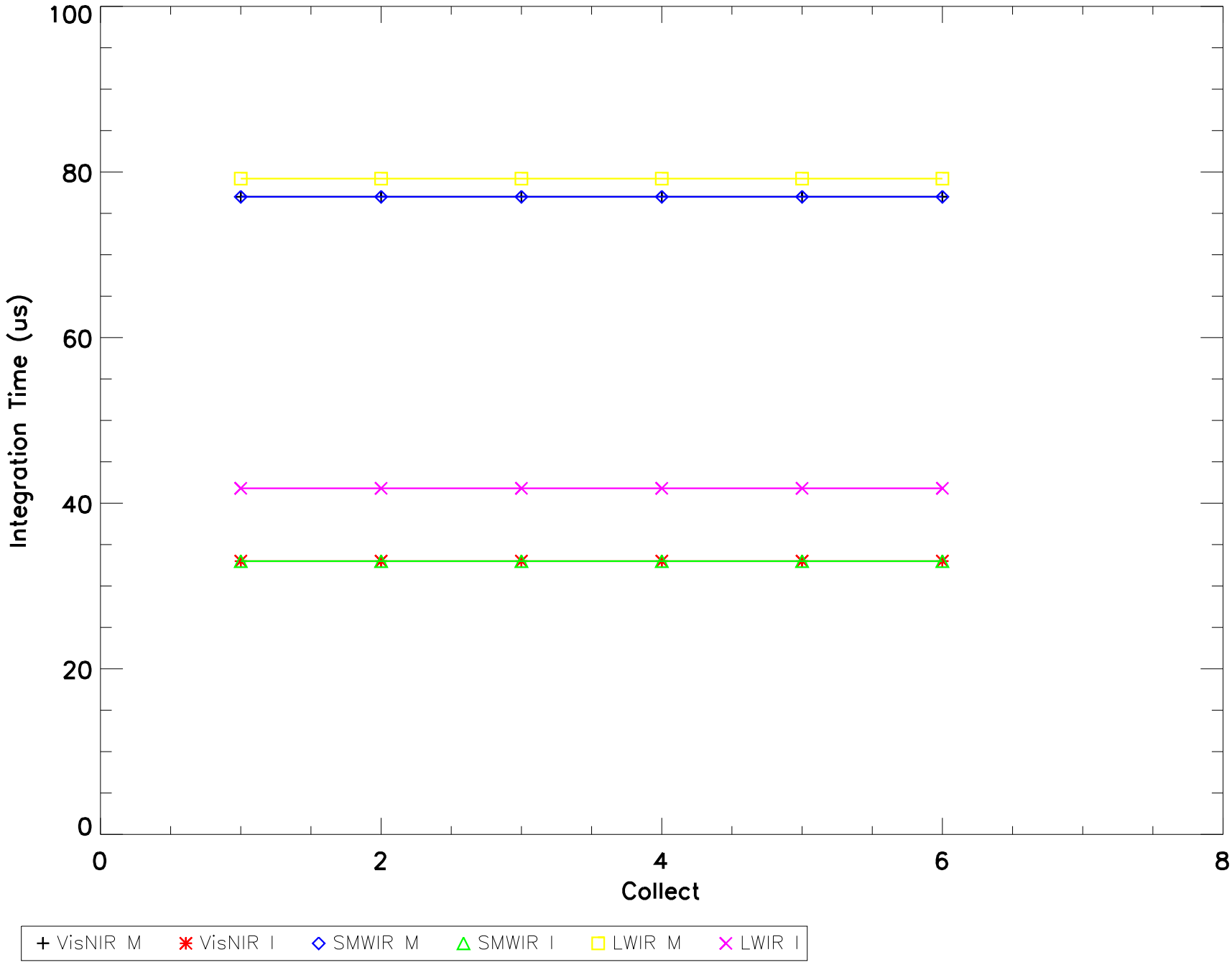
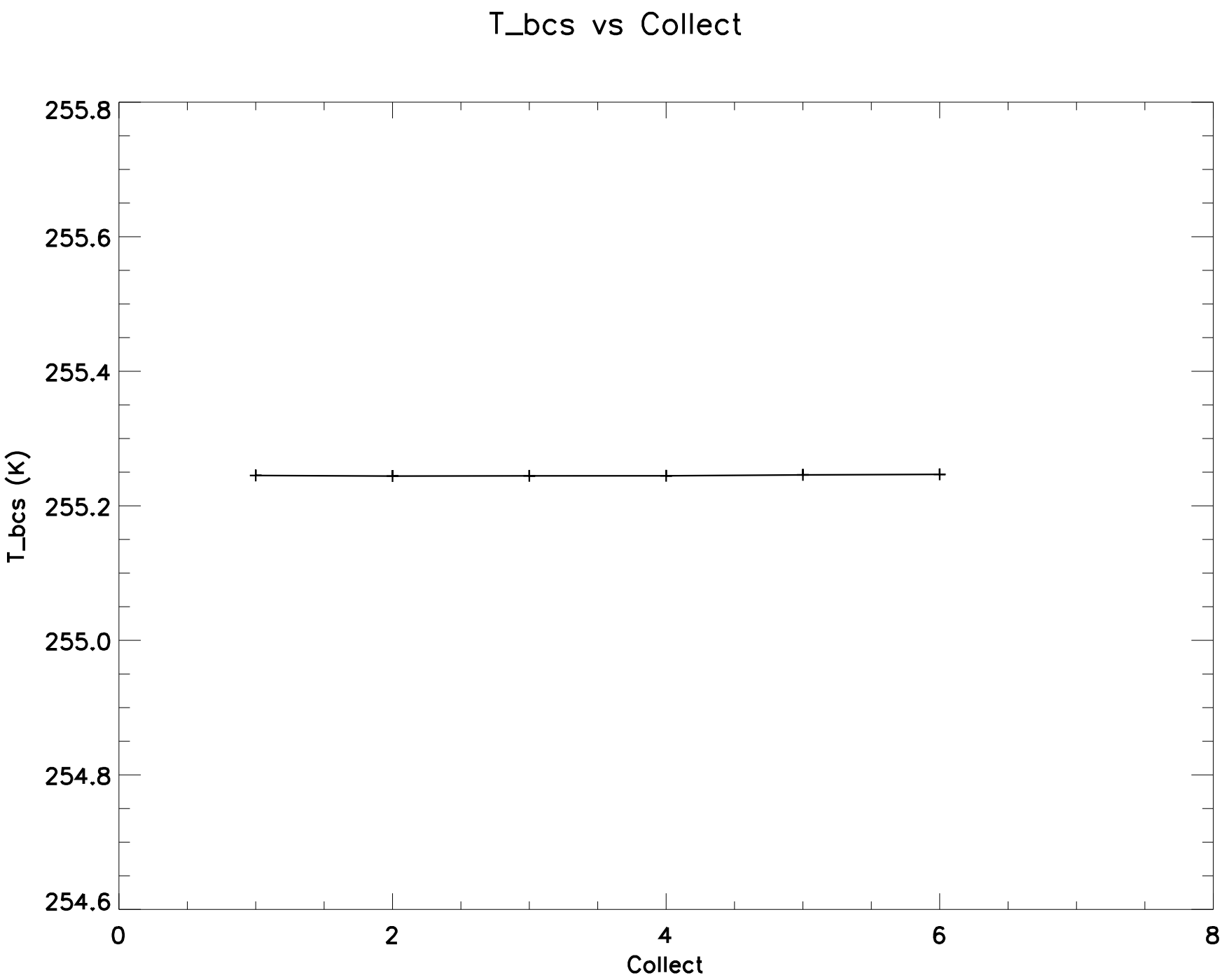
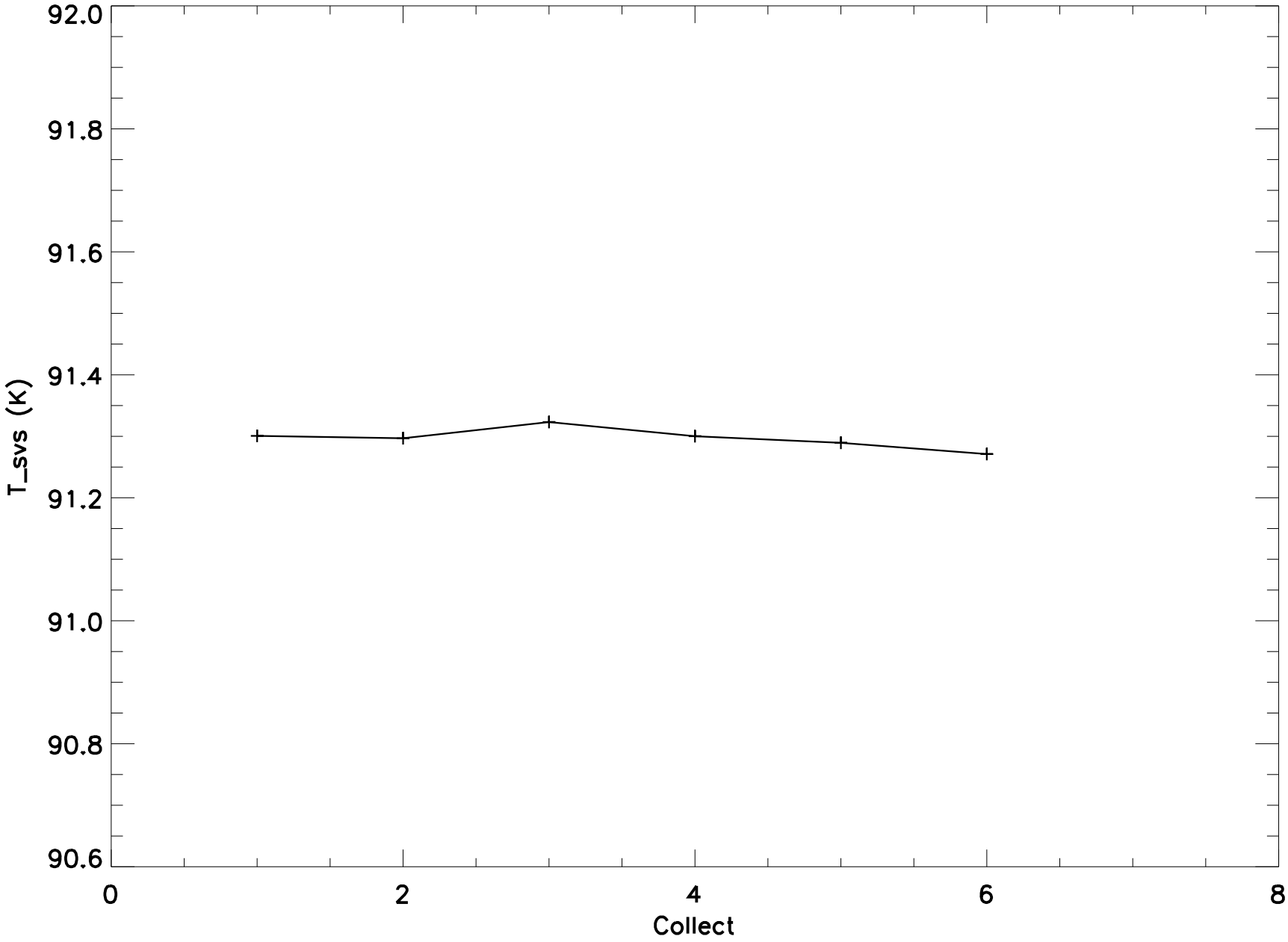
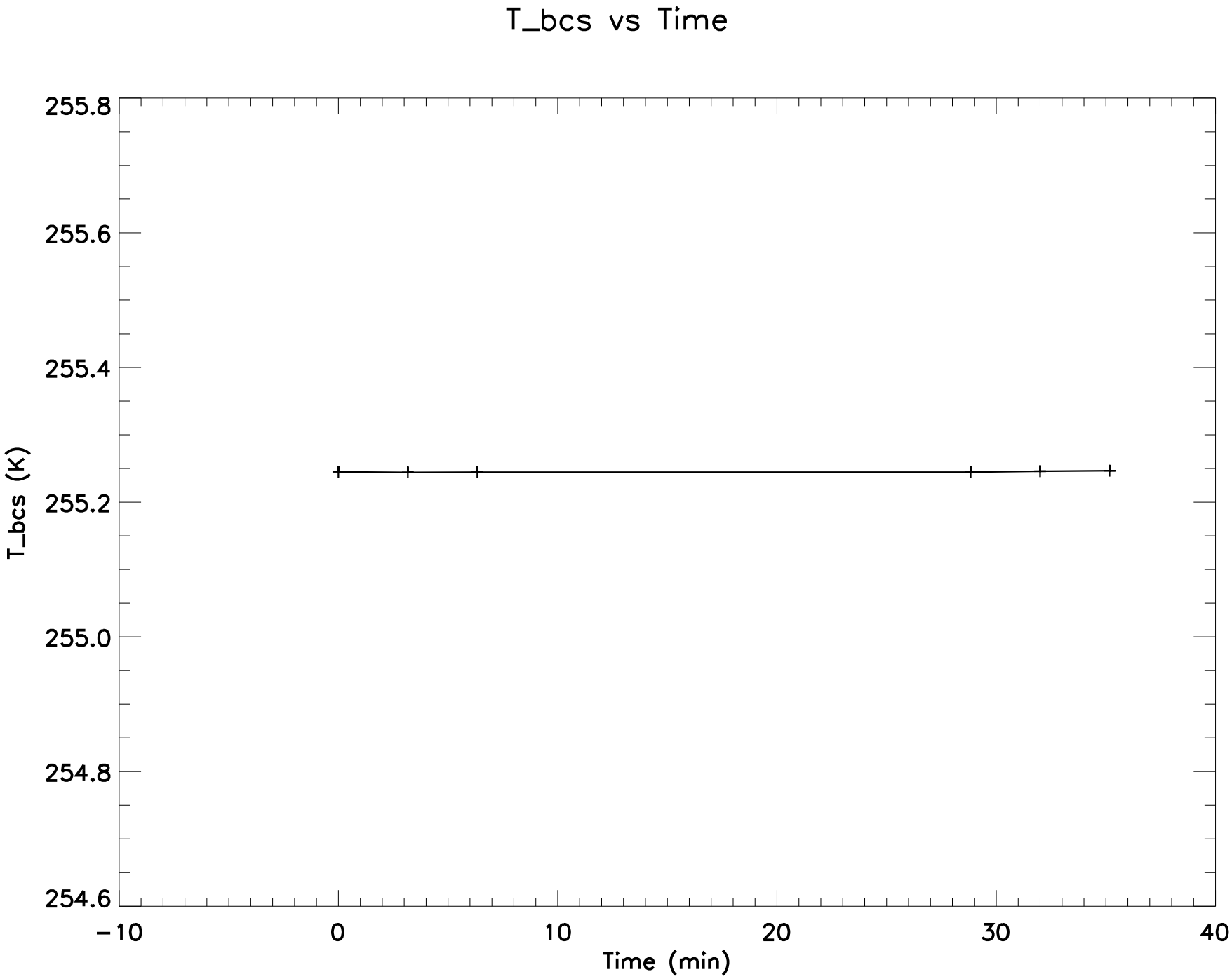
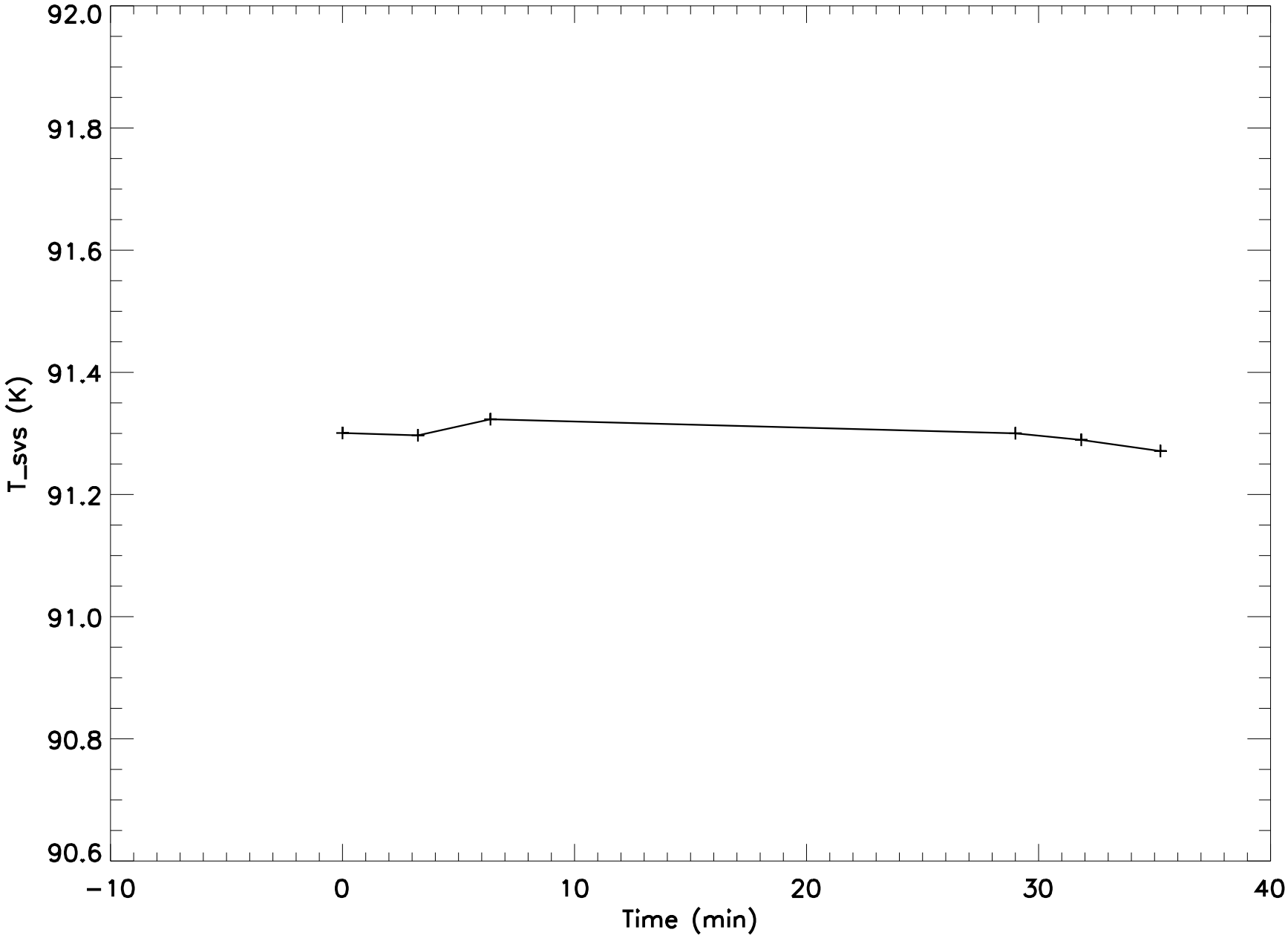
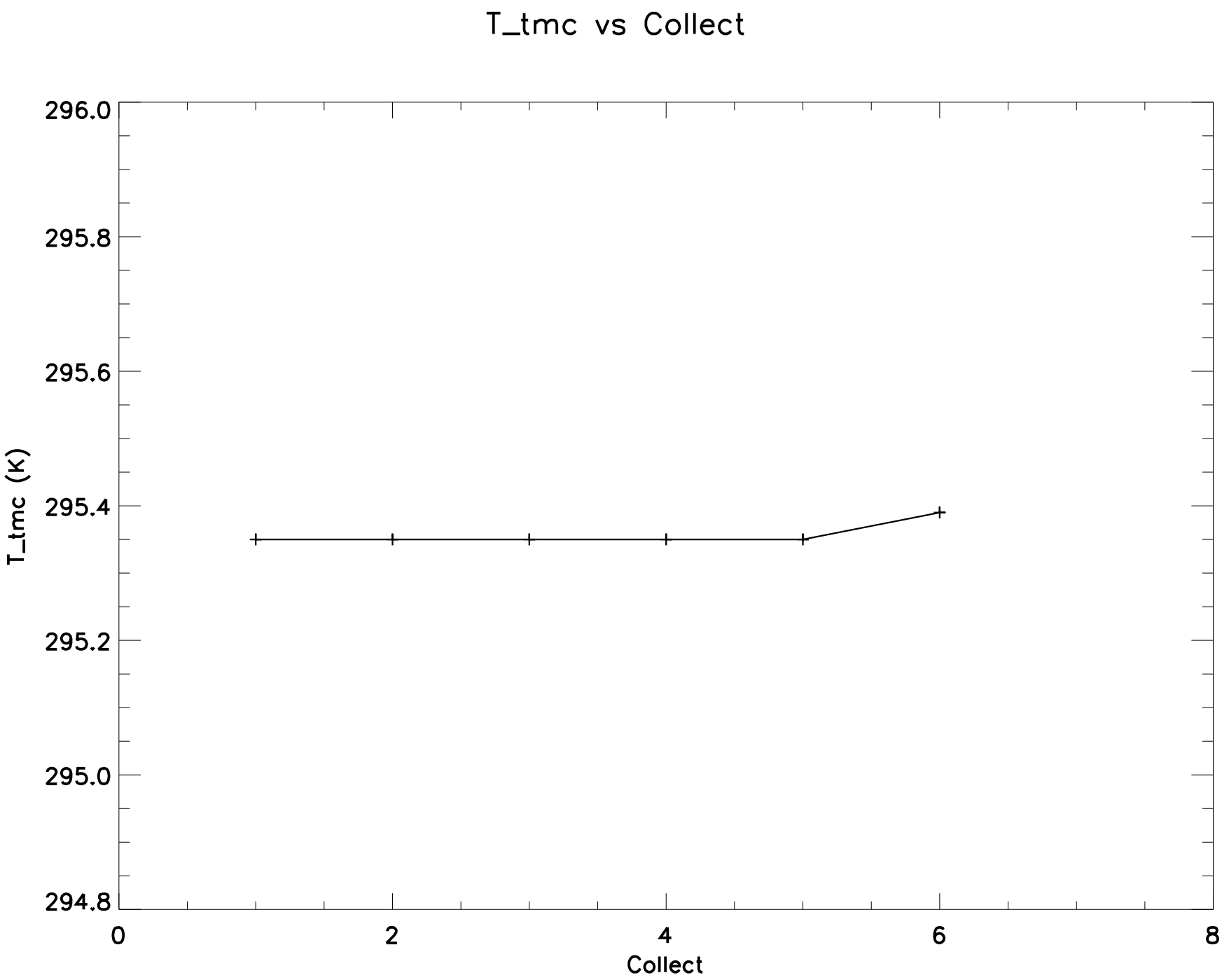

Integration Time vs Collect
Integration Time (us)
100
80
60
40
20
0
0
2
4
6
8
Collect
VisNIR M
VisNIR I
SMWIR M
SMWIR I
LWIR M
LWIR I

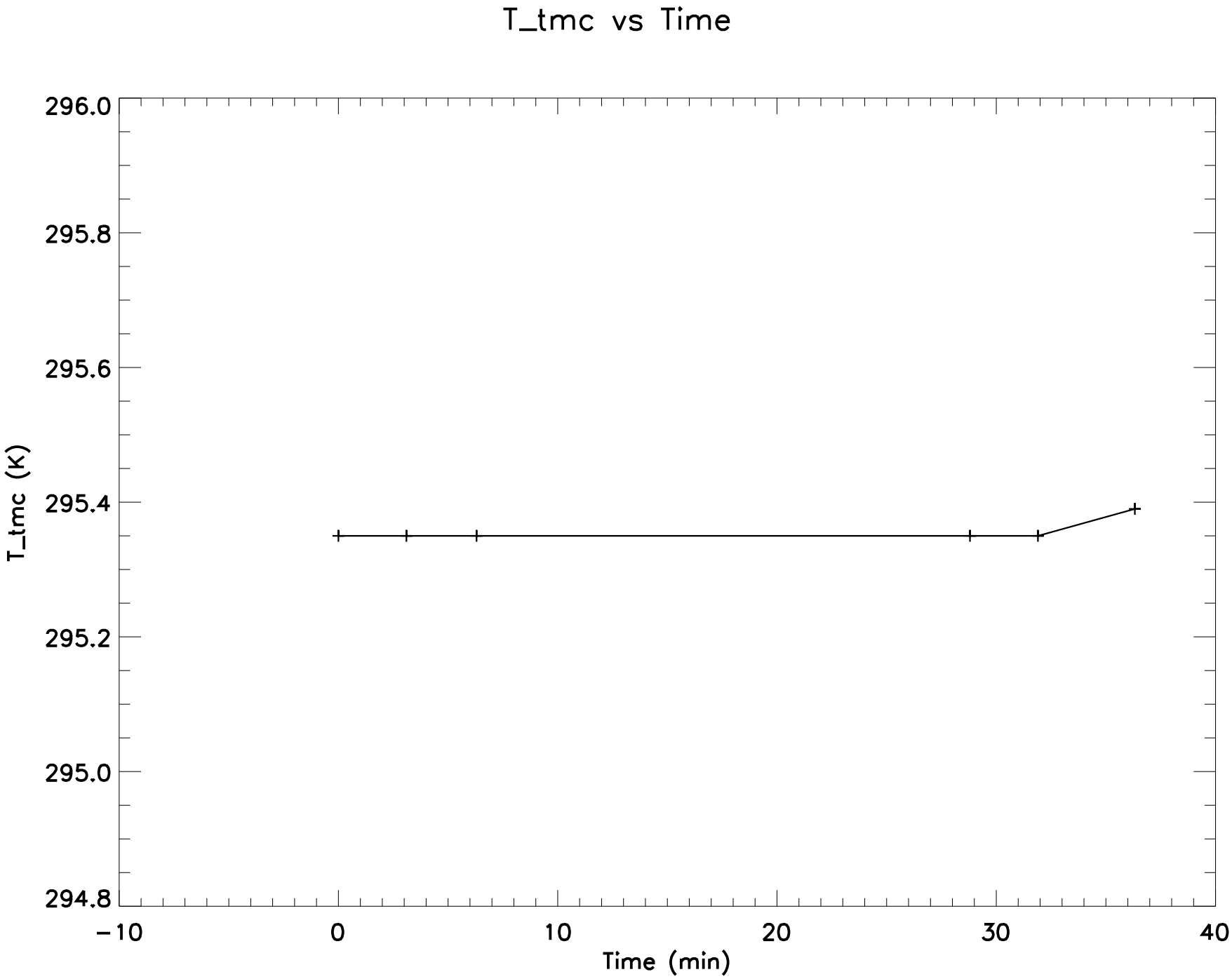

T_bcs vs Collect
255.8
255.6
255.4
255.2
255.0
254.8
254.6
T_bcs (K)
0
2
4
6
8
Collect

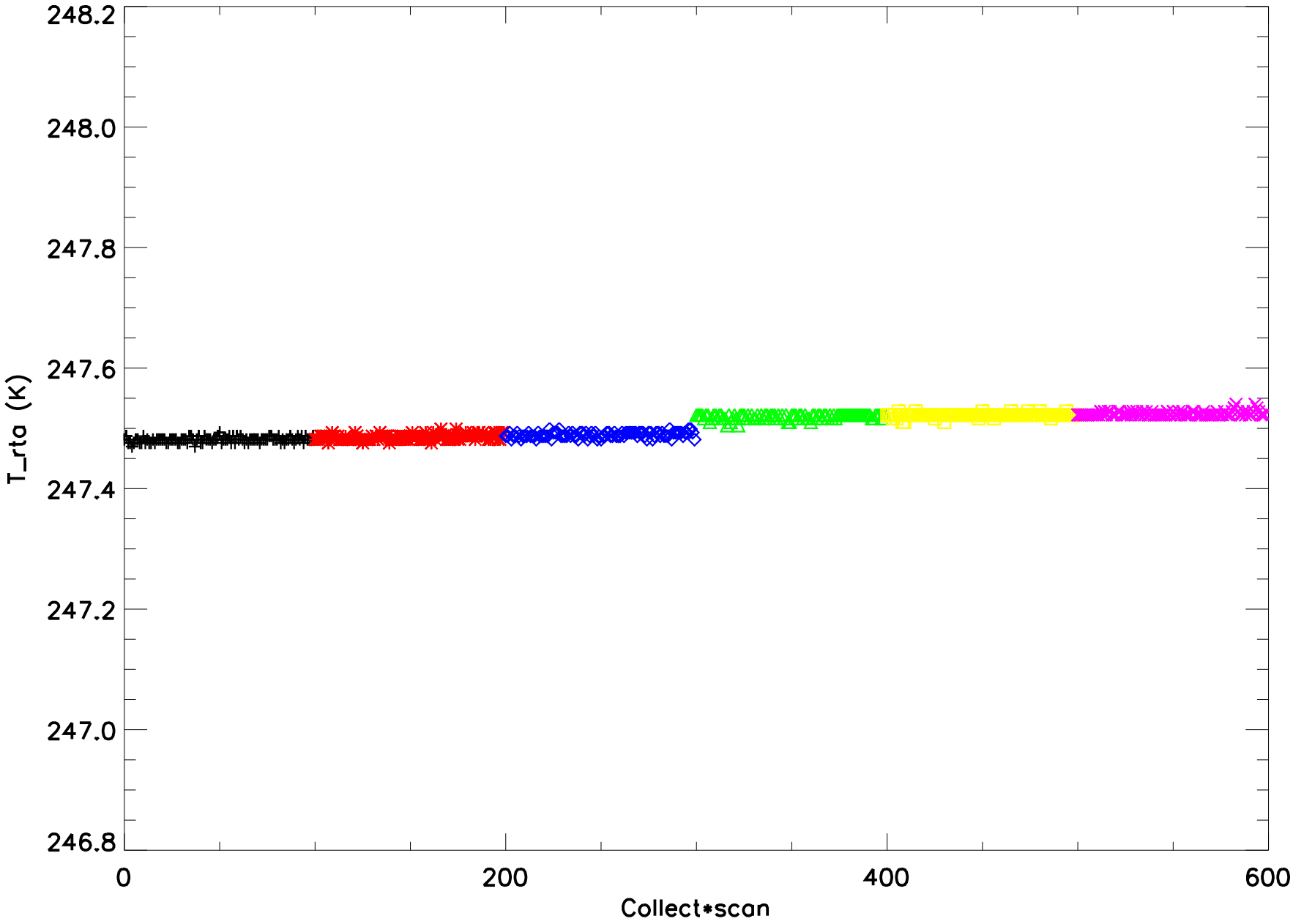

T_svs vs Collect
92.0
91.8
91.6
91.4
91.2
91.0
90.8
90.6
T_svs (K)
0
2
4
6
8
Collect

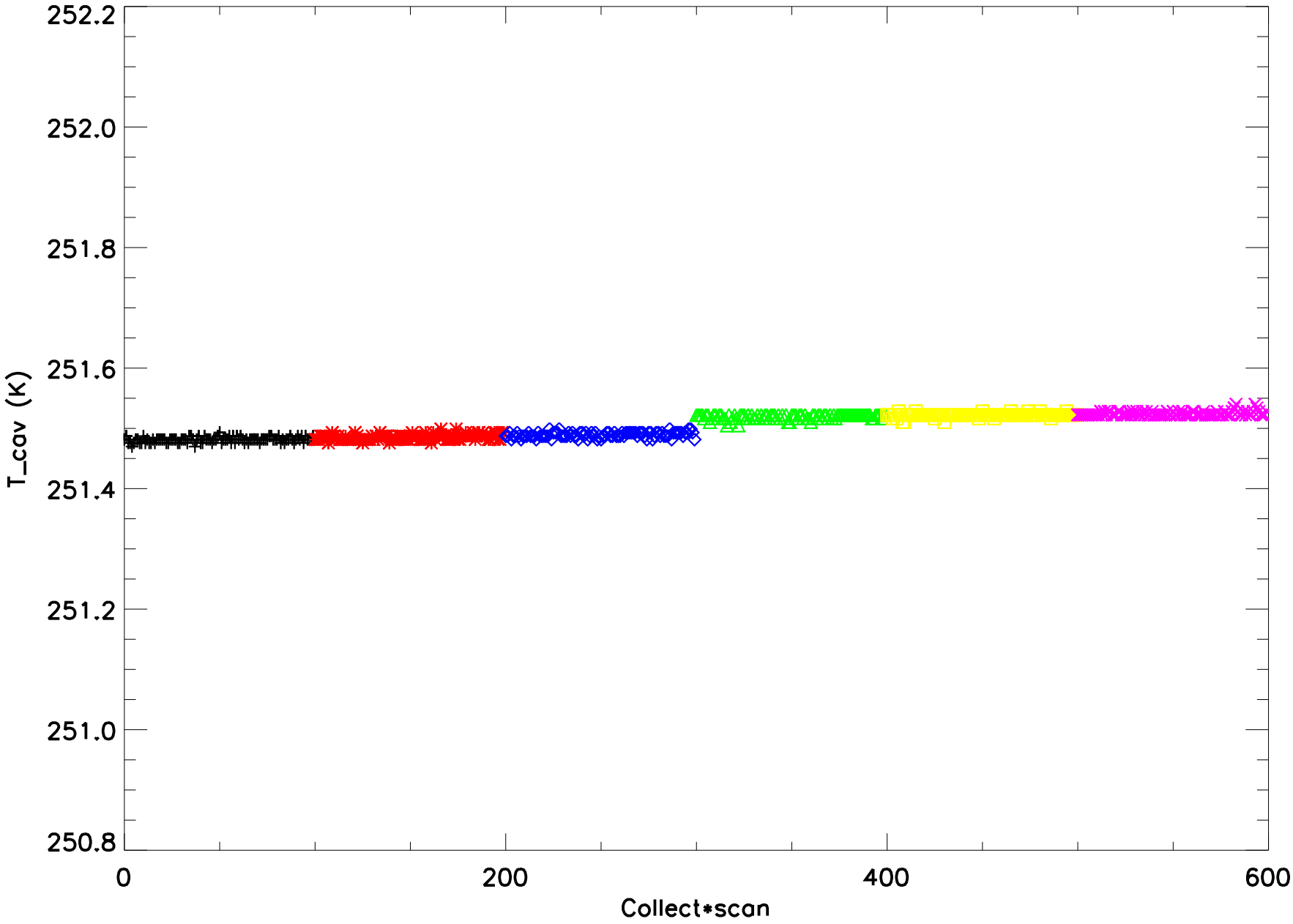

T_bcs vs Time
255.8
255.6
255.4
255.2
255.0
254.8
254.6
T_bcs (K)
−10
0
10
20
30
40
Time (min)

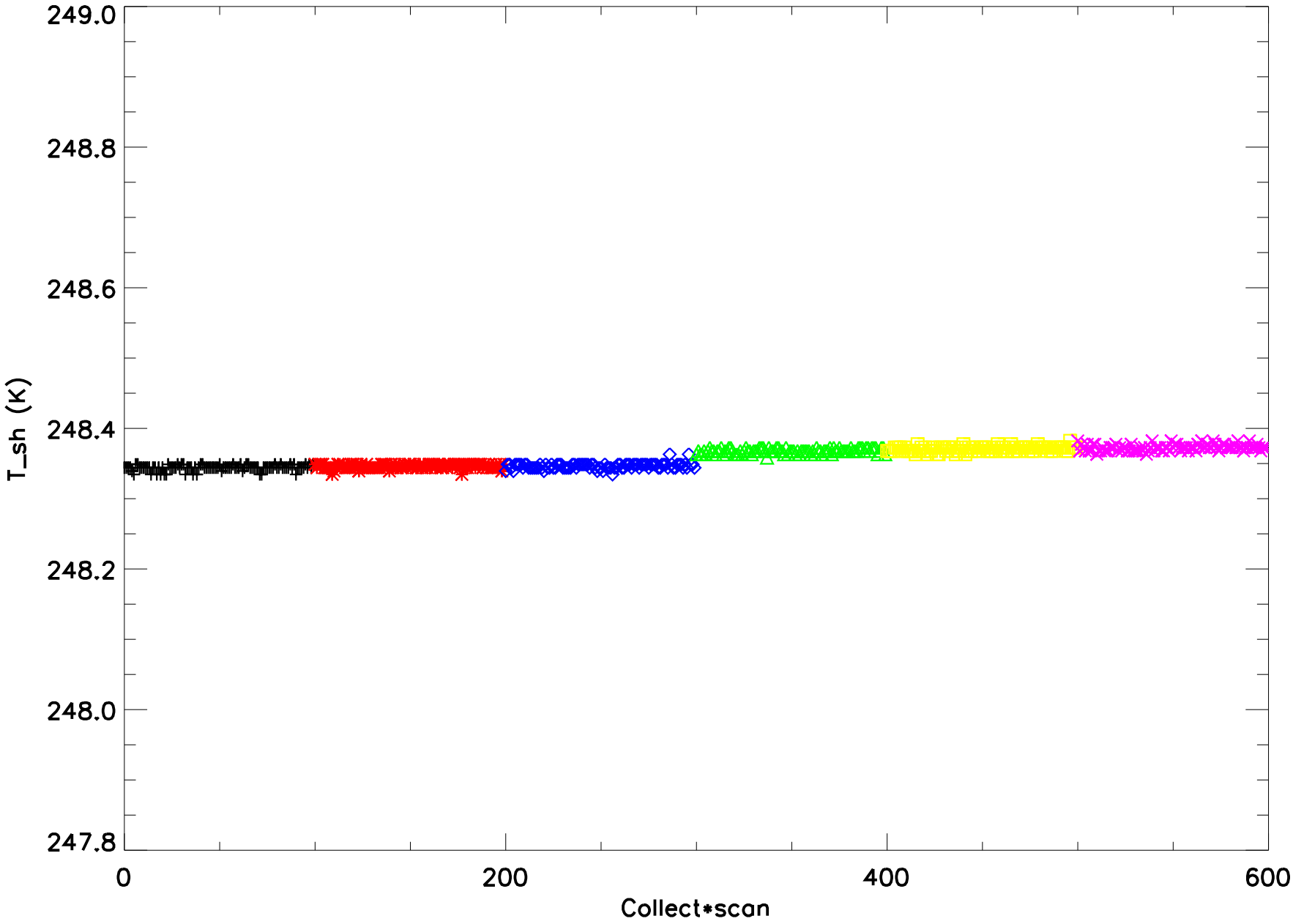

T_svs vs Time
92.0
91.8
91.6
91.4
91.2
91.0
90.8
90.6
T_svs (K)
−10
0
10
20
30
40
Time (min)

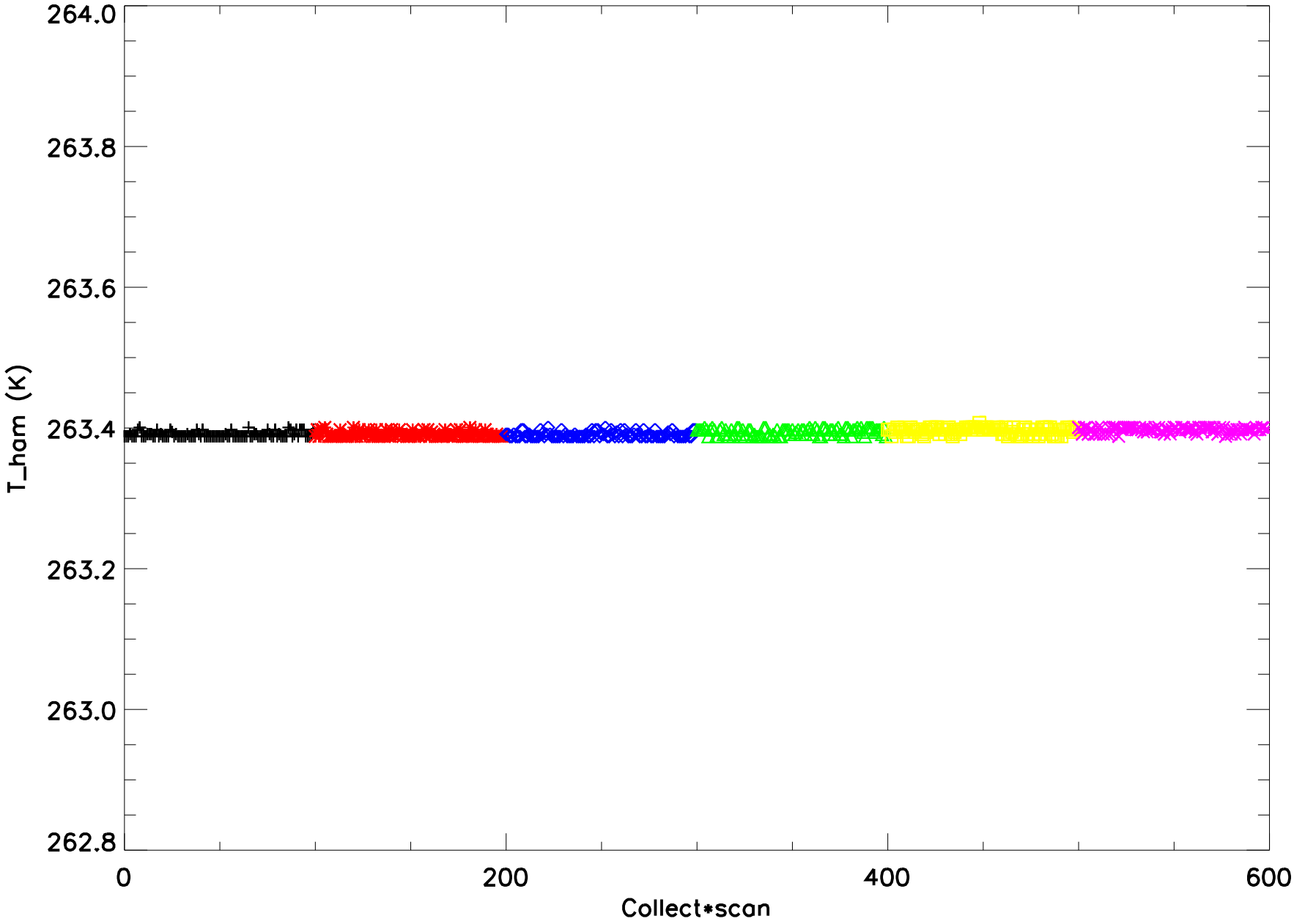

T_tmc vs Collect
296.0
295.8
295.6
295.4
295.2
295.0
294.8
T_tmc (K)
0
2
4
6
8
Collect

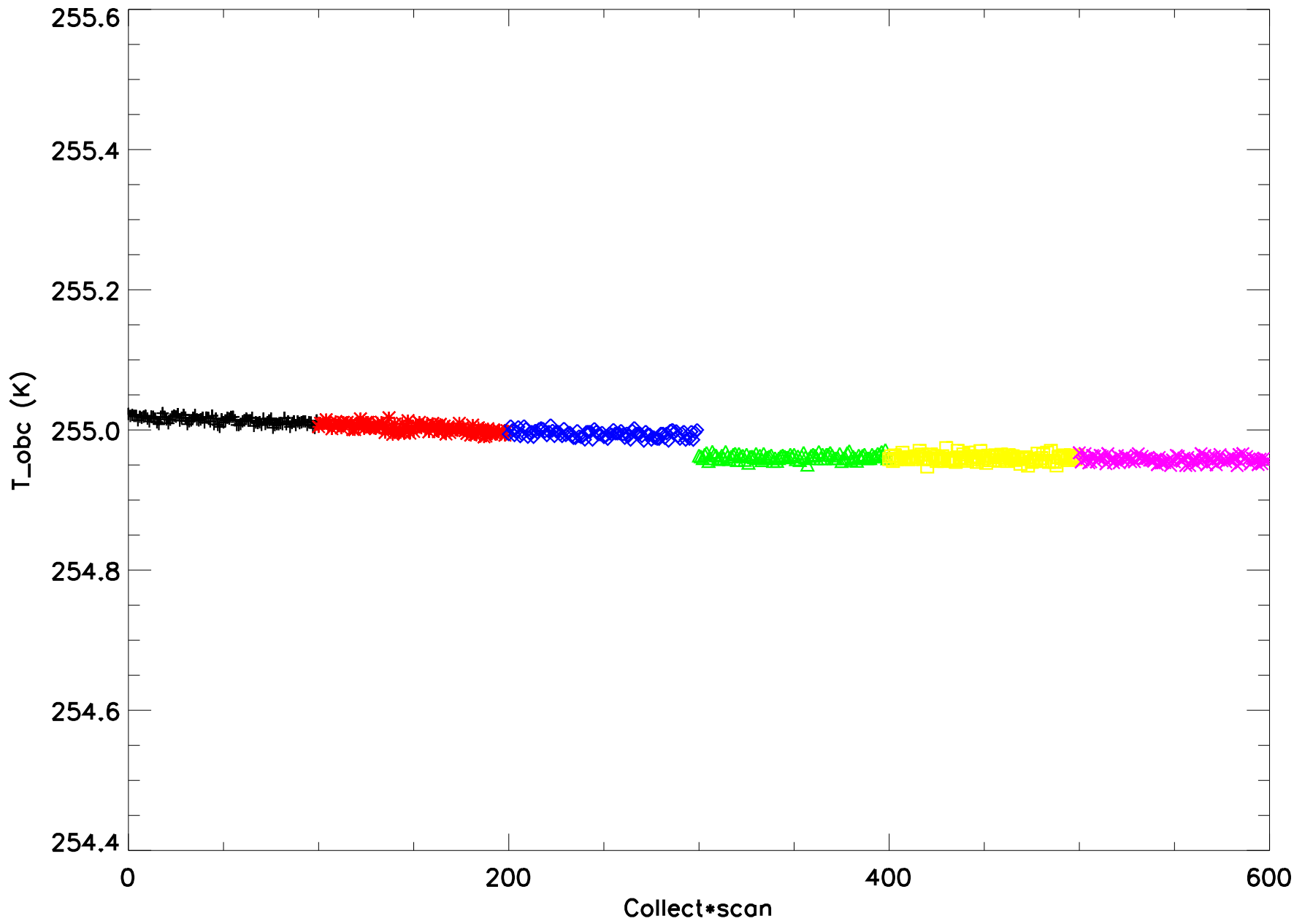

T_tmc vs Time
296.0
295.8
295.6
295.4
295.2
295.0
294.8
T_tmc (K)
−10
0
10
20
30
40
Time (min)

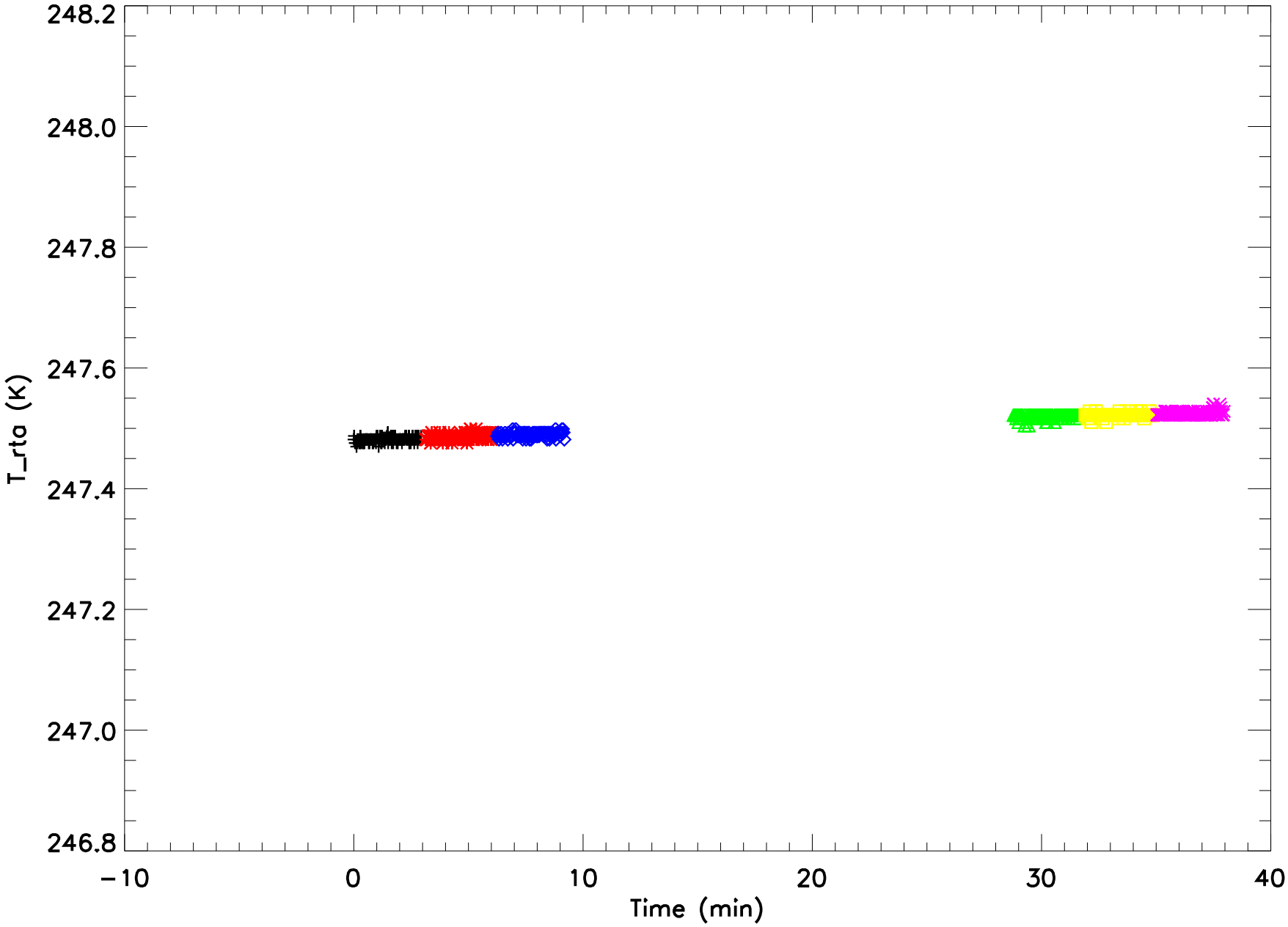

T_rta vs Scan and Collect
248.2
248.0
247.8
247.6
247.4
247.2
247.0
246.8
T_rta (K)
0
200
400
600
Collect*scan

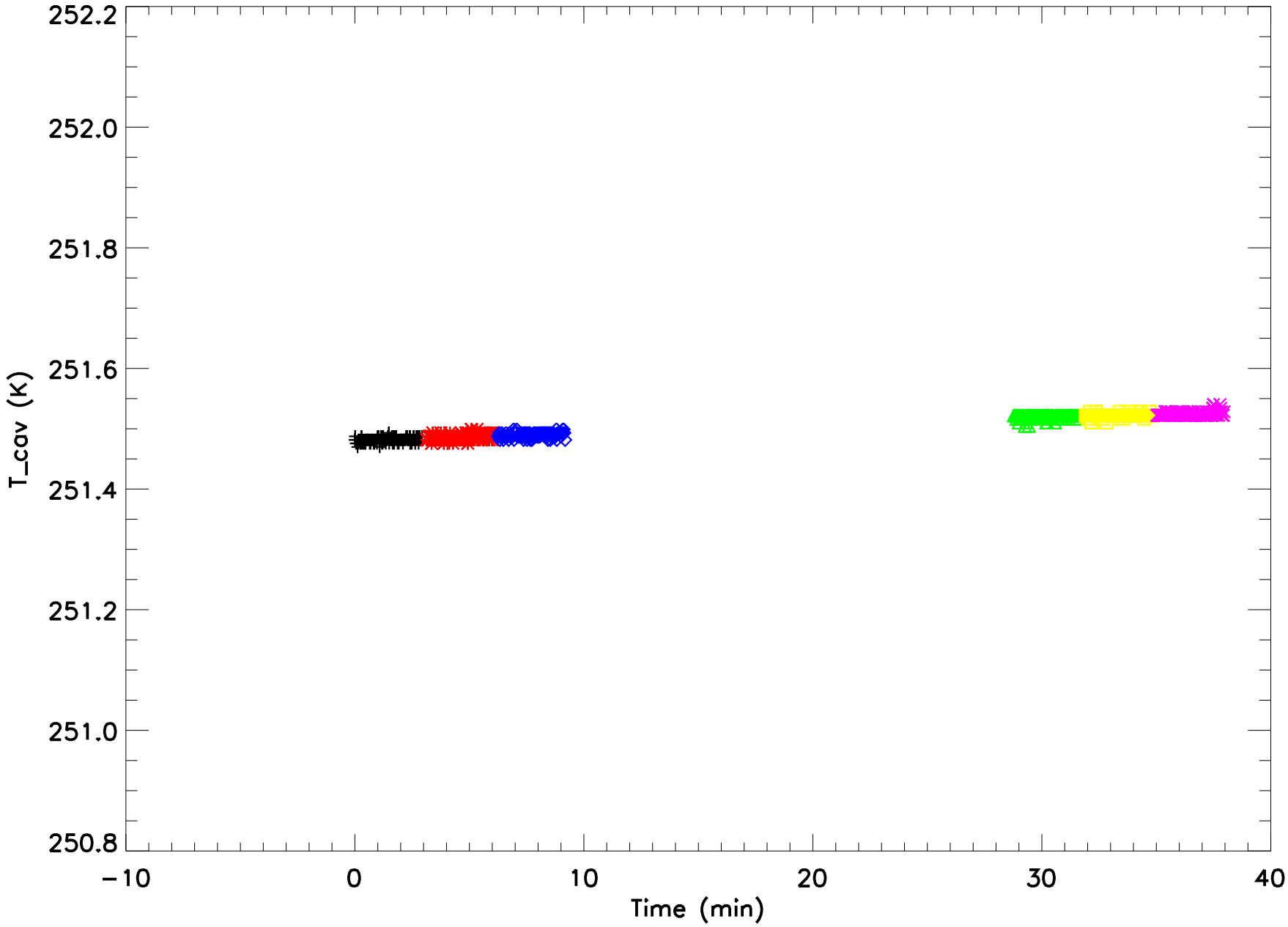

T_cav vs Scan and Collect
252.2
252.0
251.8
251.6
251.4
251.2
251.0
250.8
T_cav (K)
0
200
400
600
Collect*scan

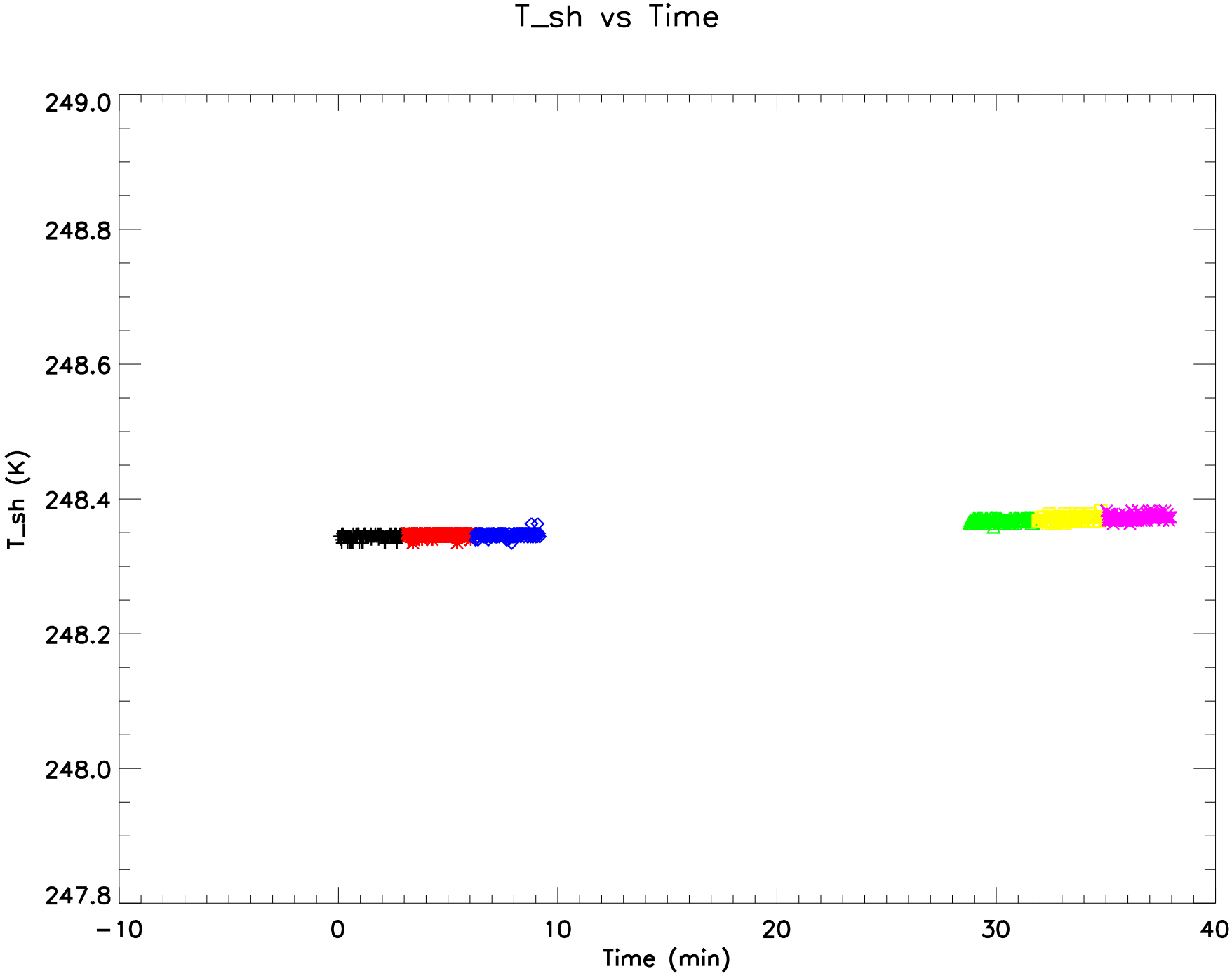

T_sh vs Scan and Collect
249.0
248.8
248.6
248.4
248.2
248.0
247.8
T_sh (K)
0
200
400
600
Collect*scan

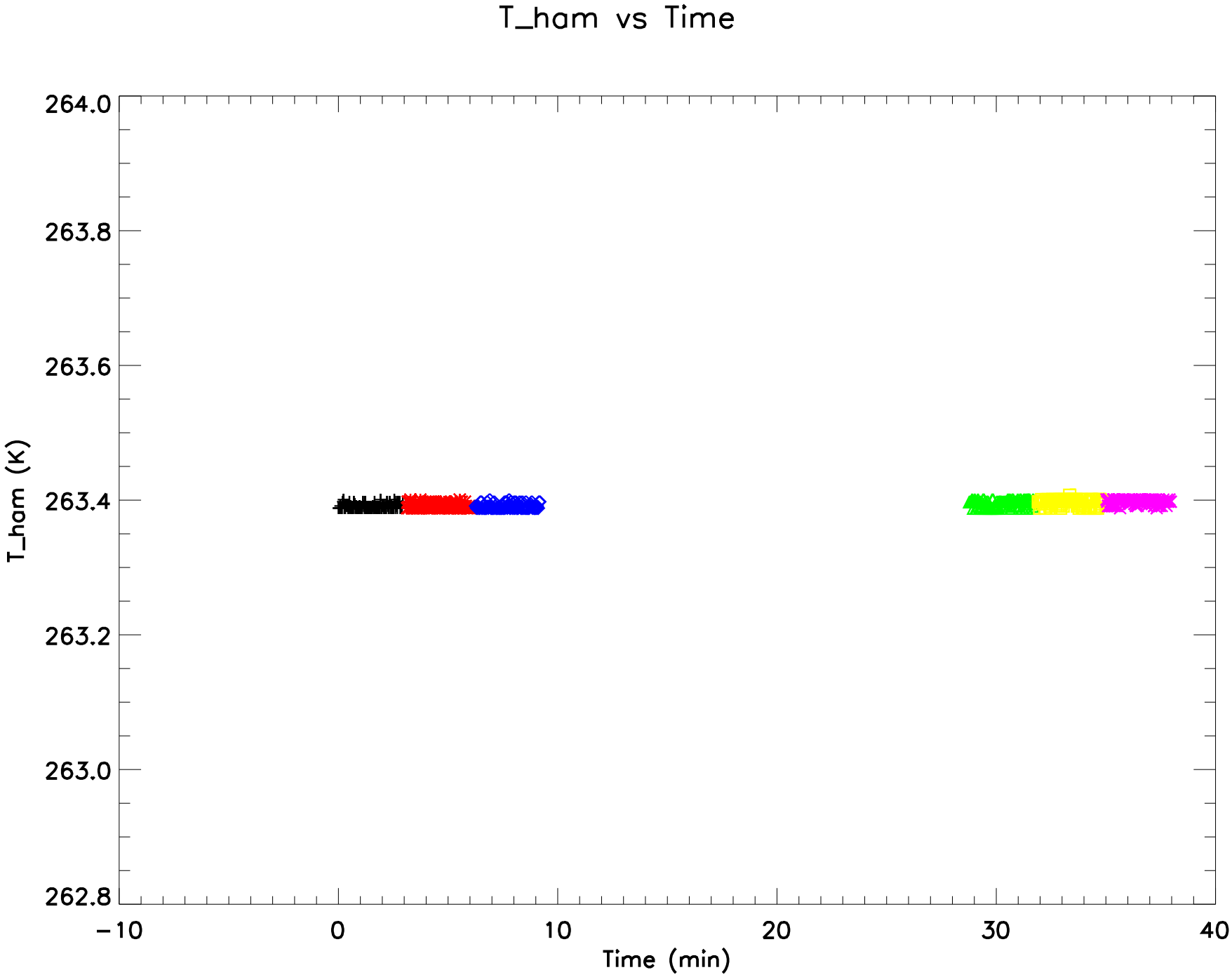

T_ham vs Scan and Collect
264.0
263.8
263.6
263.4
263.2
263.0
262.8
T_ham (K)
0
200
400
600
Collect*scan

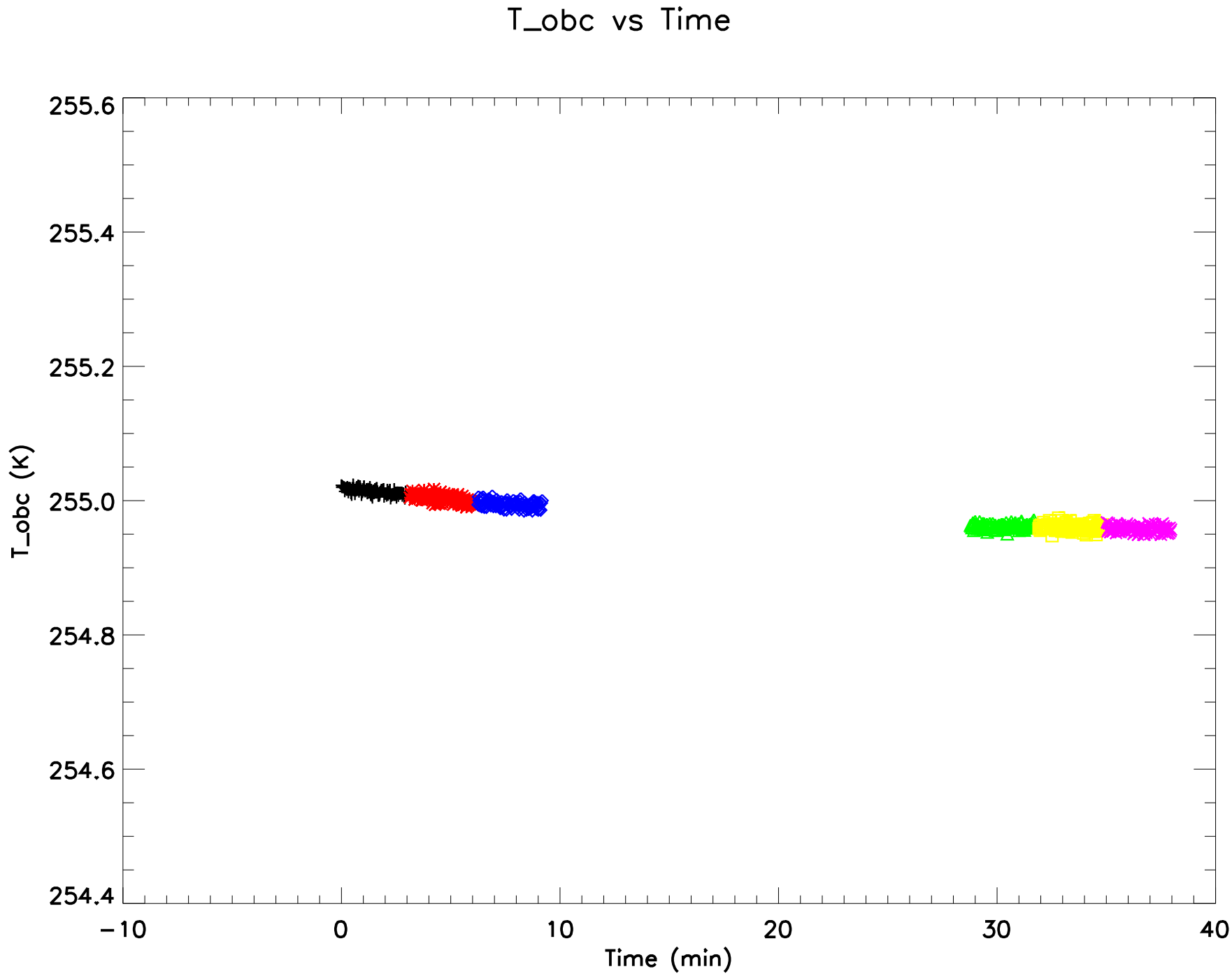

T_obc vs Scan and Collect
255.6
255.4
255.2
255.0
254.8
254.6
254.4
T_obc (K)
0
200
400
600
Collect*scan


T_rta vs Time
248.2
248.0
247.8
247.6
247.4
247.2
247.0
246.8
T_rta (K)
−10
0
10
20
30
40
Time (min)

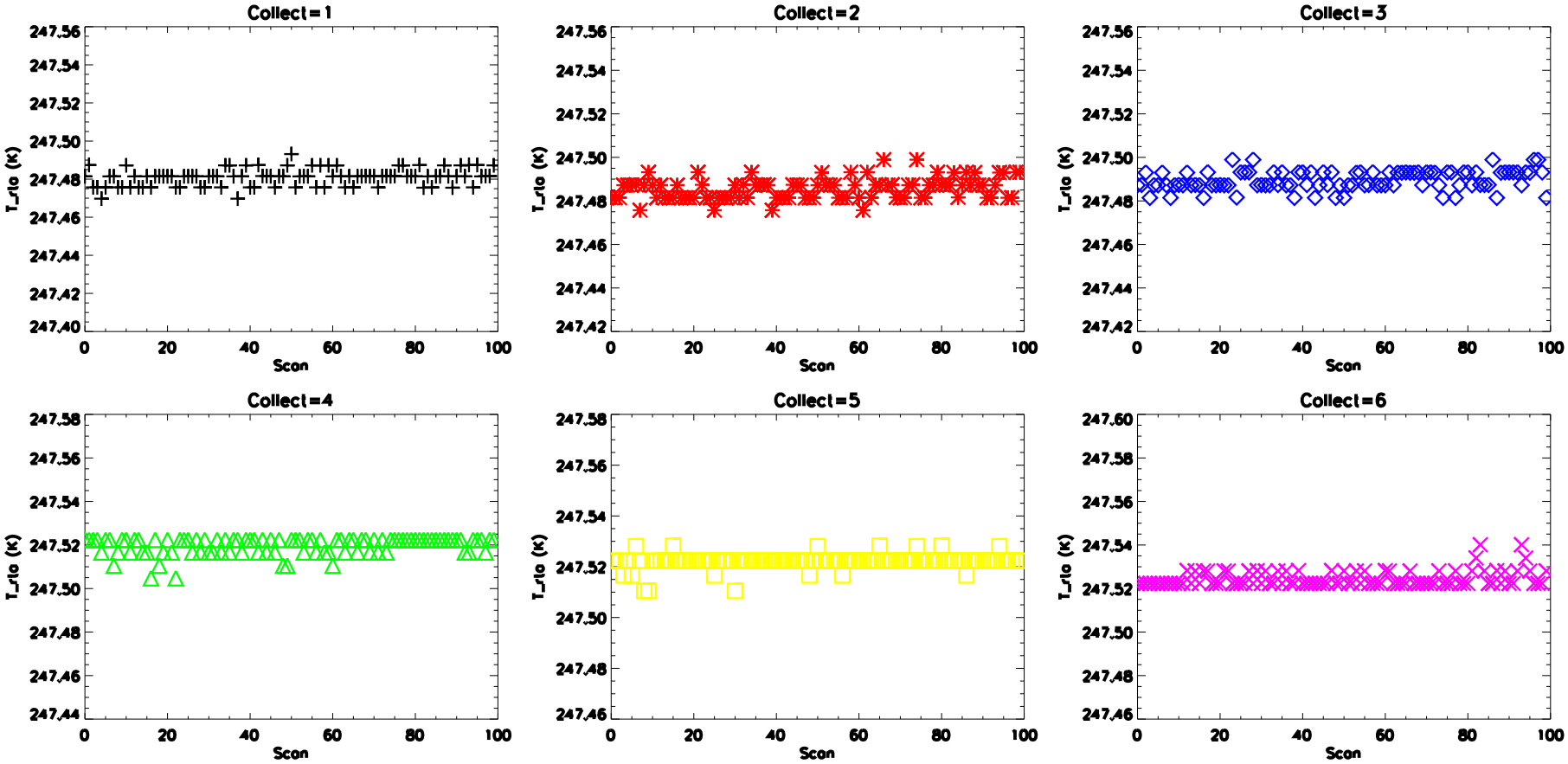

T_cav vs Time
252.2
252.0
251.8
251.6
251.4
251.2
251.0
250.8
T_cav (K)
−10
0
10
20
30
40
Time (min)


T_sh vs Time
249.0
248.8
248.6
248.4
248.2
248.0
247.8
T_sh (K)
−10
0
10
20
30
40
Time (min)

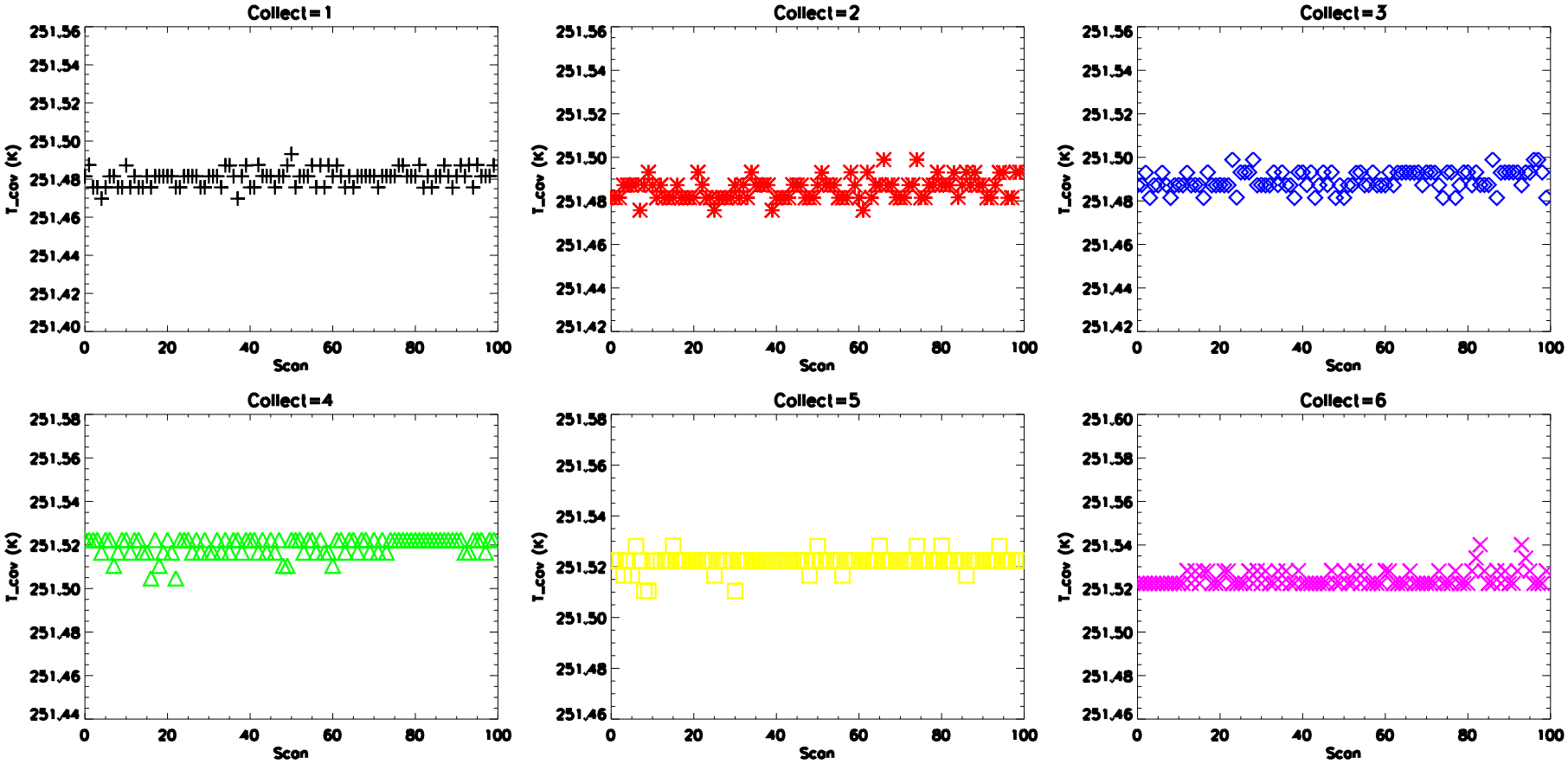

T_ham vs Time
264.0
263.8
263.6
263.4
263.2
263.0
262.8
T_ham (K)
−10
0
10
20
30
40
Time (min)


T_obc vs Time
255.6
255.4
255.2
255.0
254.8
254.6
254.4
T_obc (K)
−10
0
10
20
30
40
Time (min)

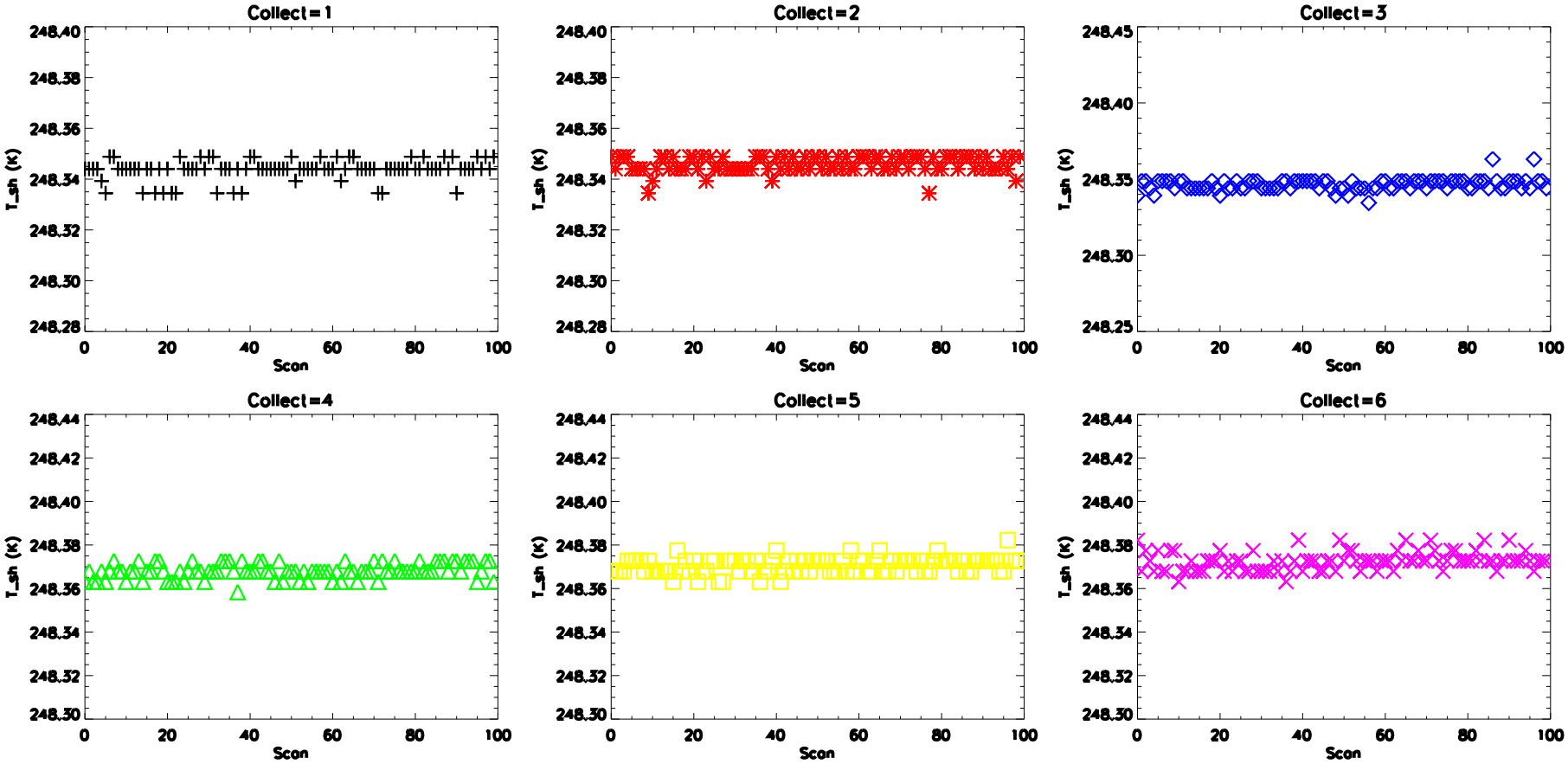
T_rta vs Scan


Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
T_rta (K)
Scan

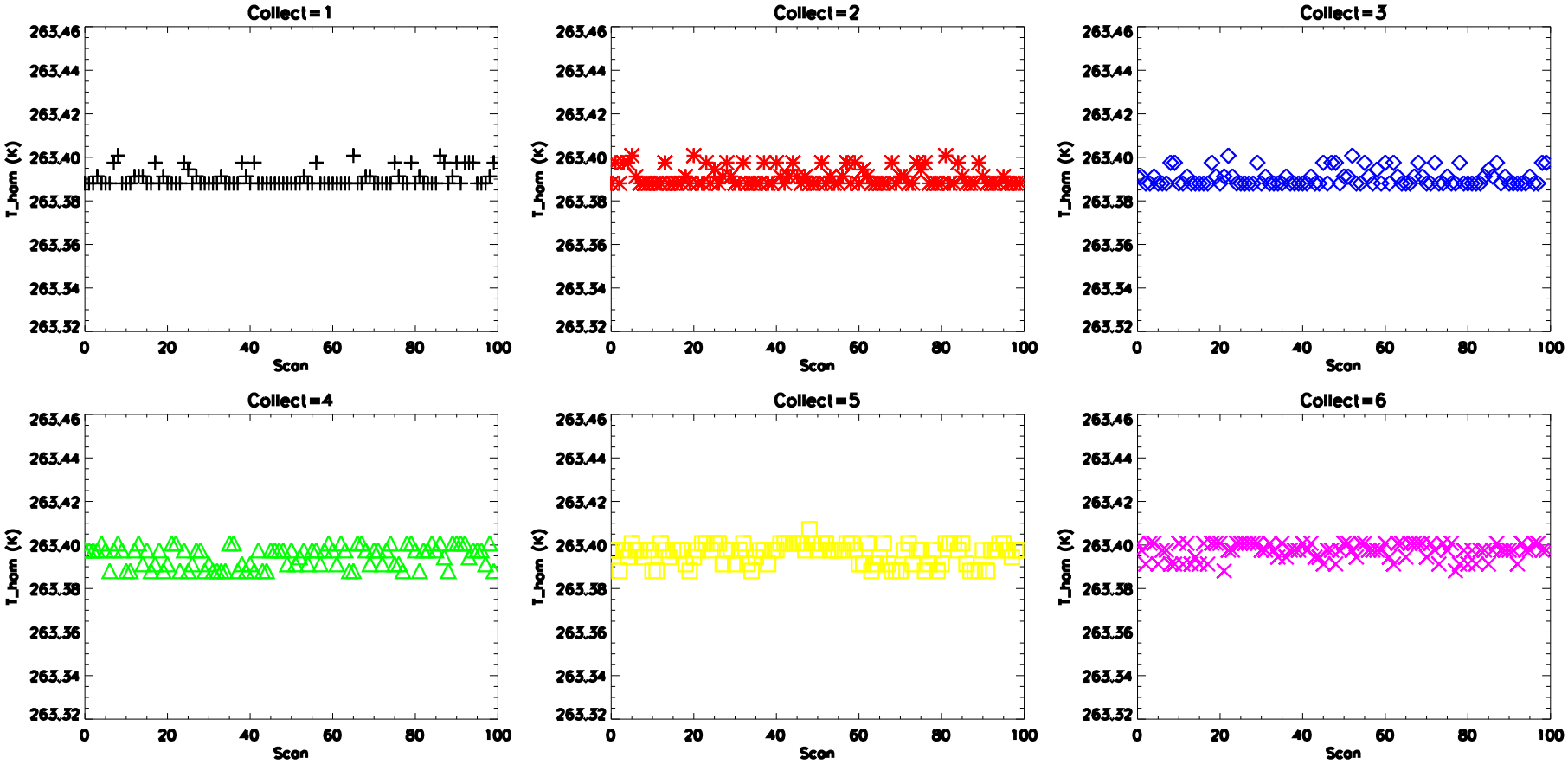
T_cav vs Scan


Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
T_cav (K)
Scan

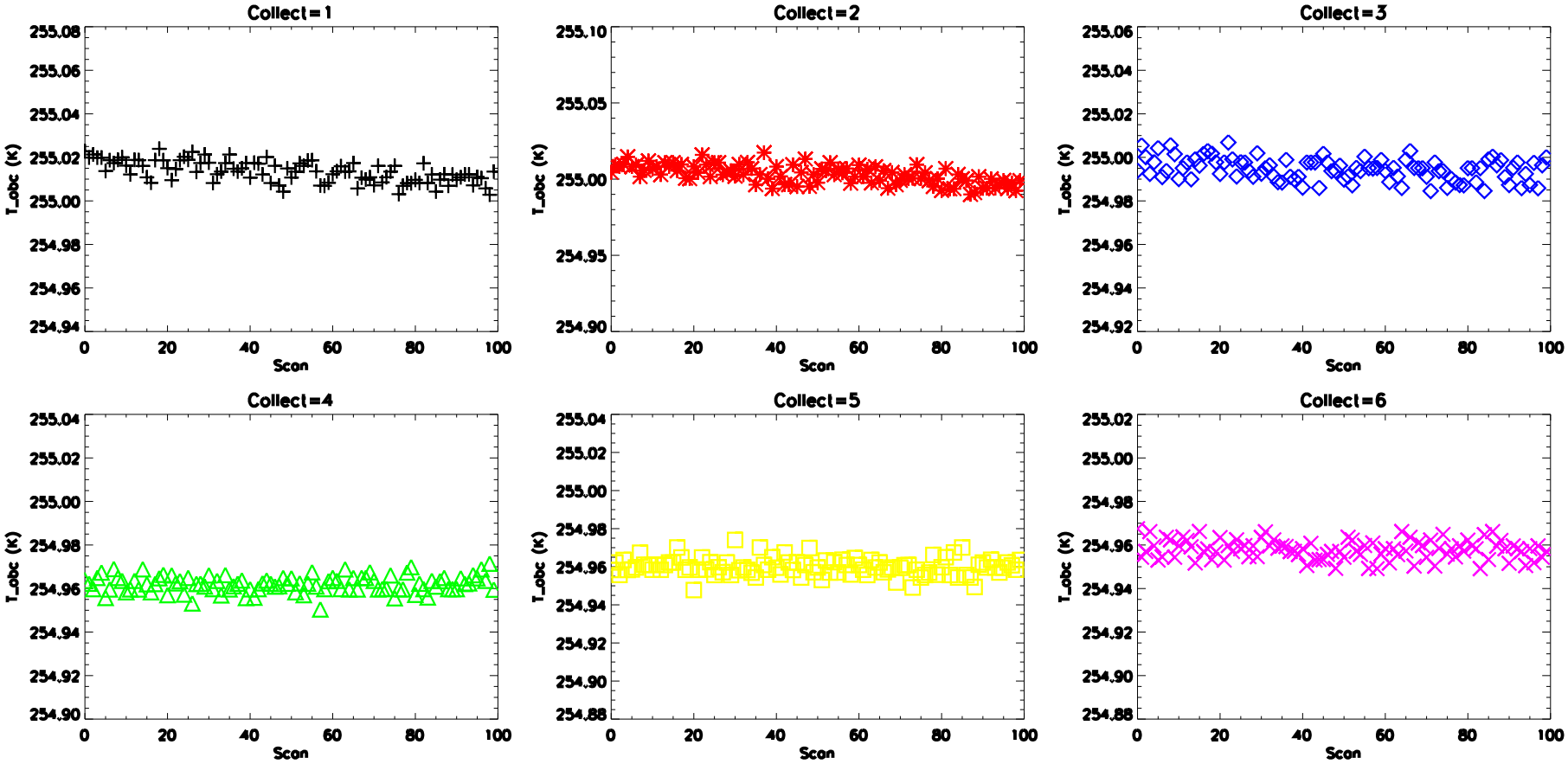
T_sh vs Scan

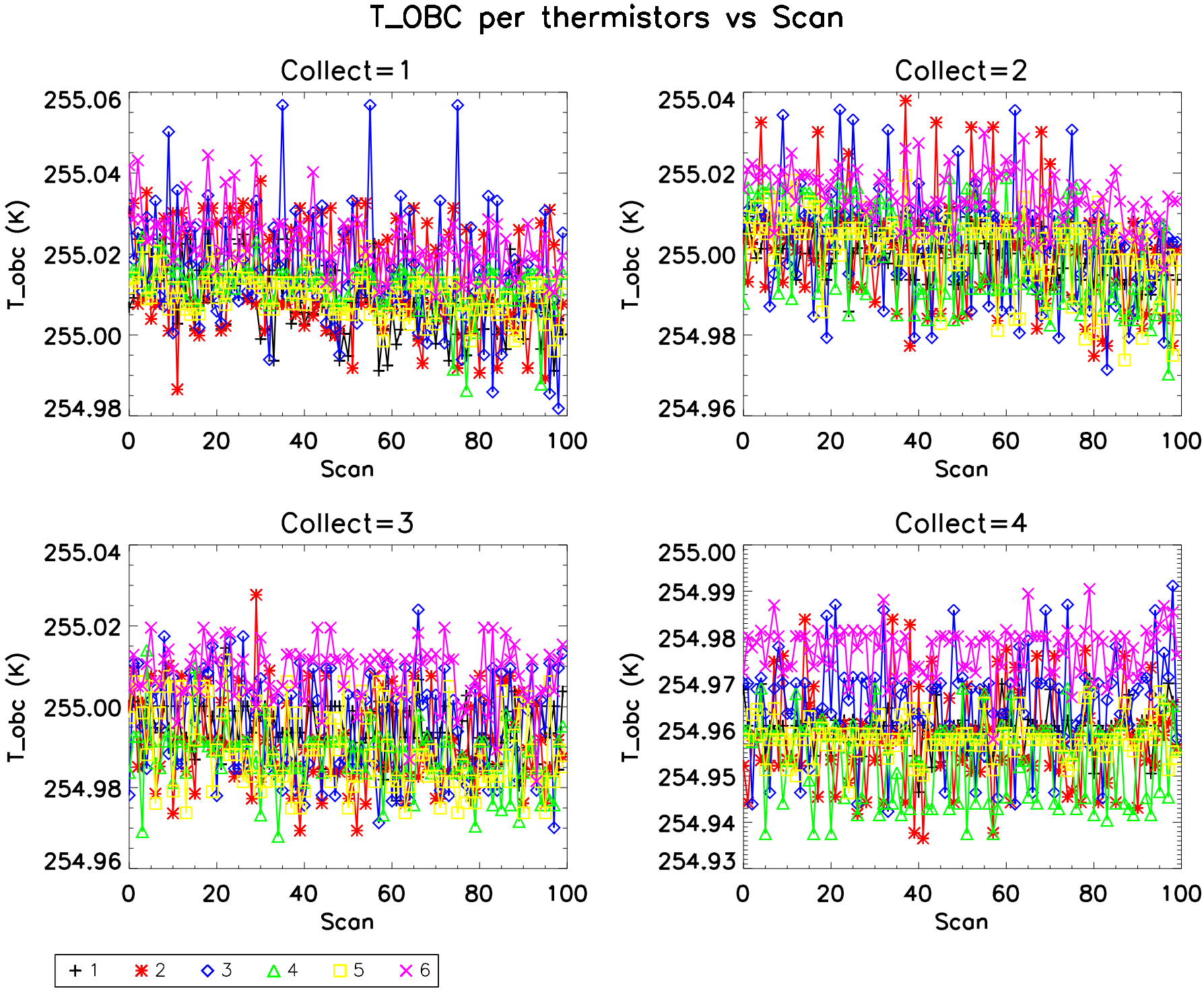

Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
T_sh (K)
Scan

T_ham vs Scan

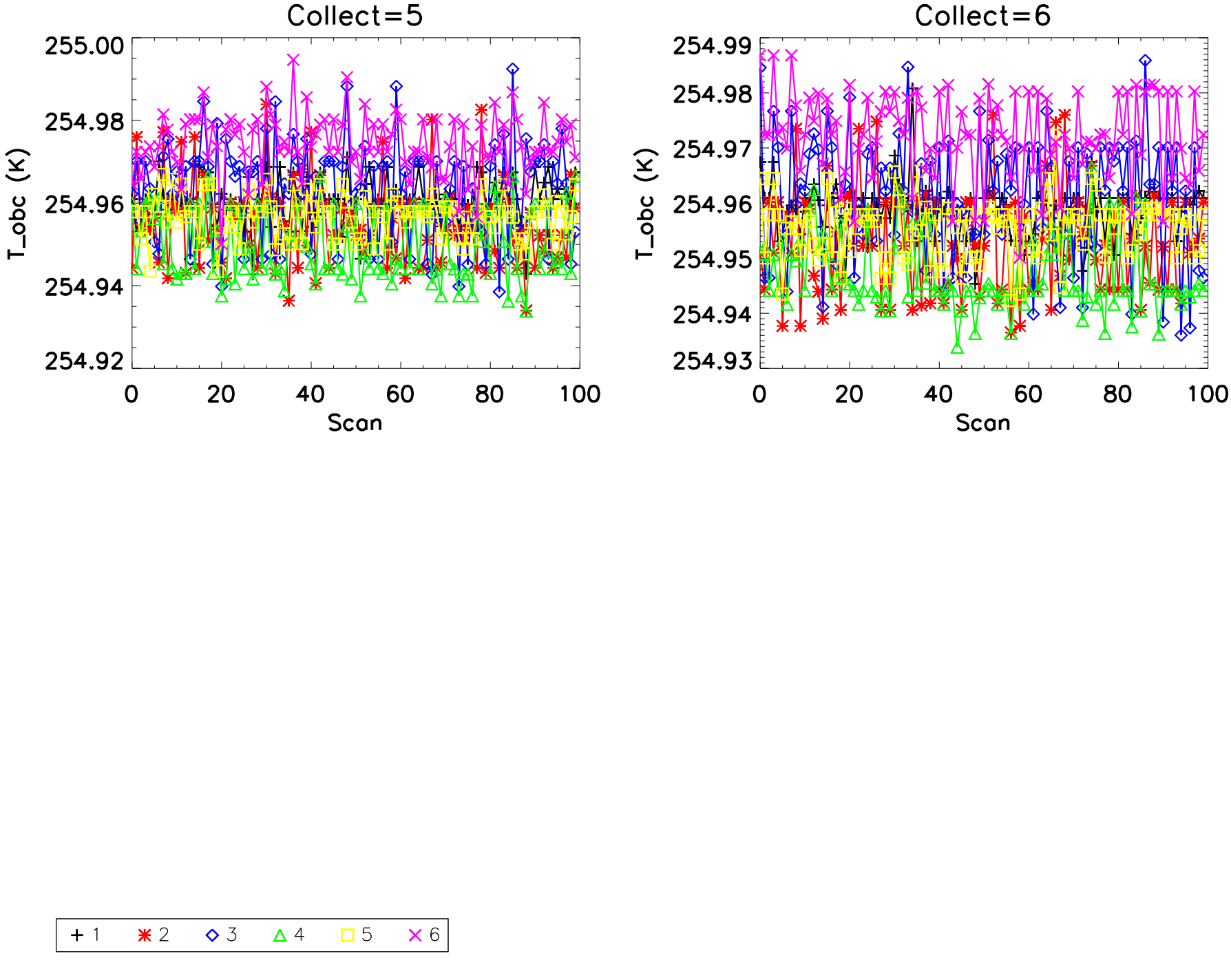

Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
T_ham (K)
Scan
263.46
263.44
263.42
263.40
263.38
263.36
263.34
263.32
0
20
40
60
80
100

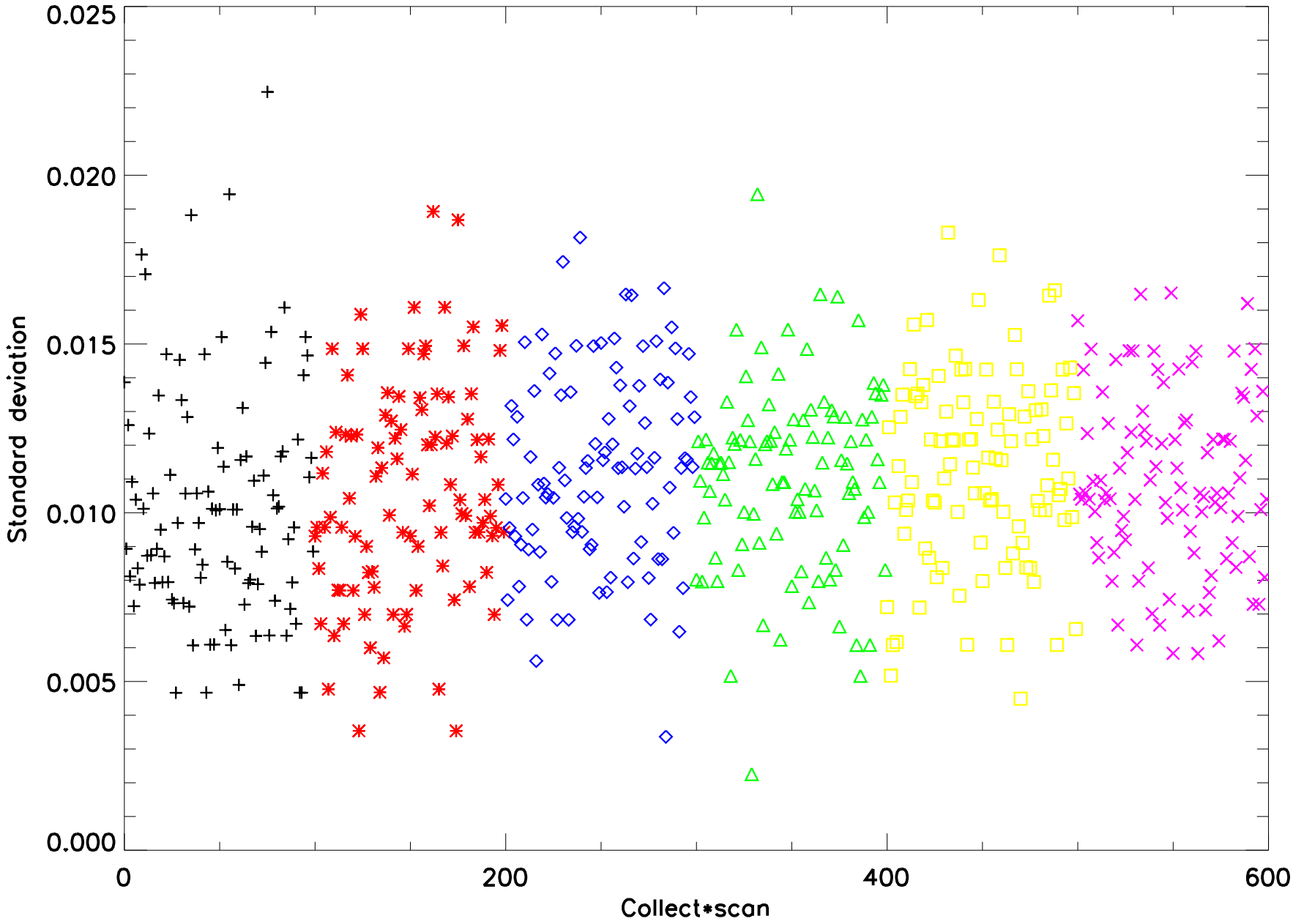
T_obc vs Scan

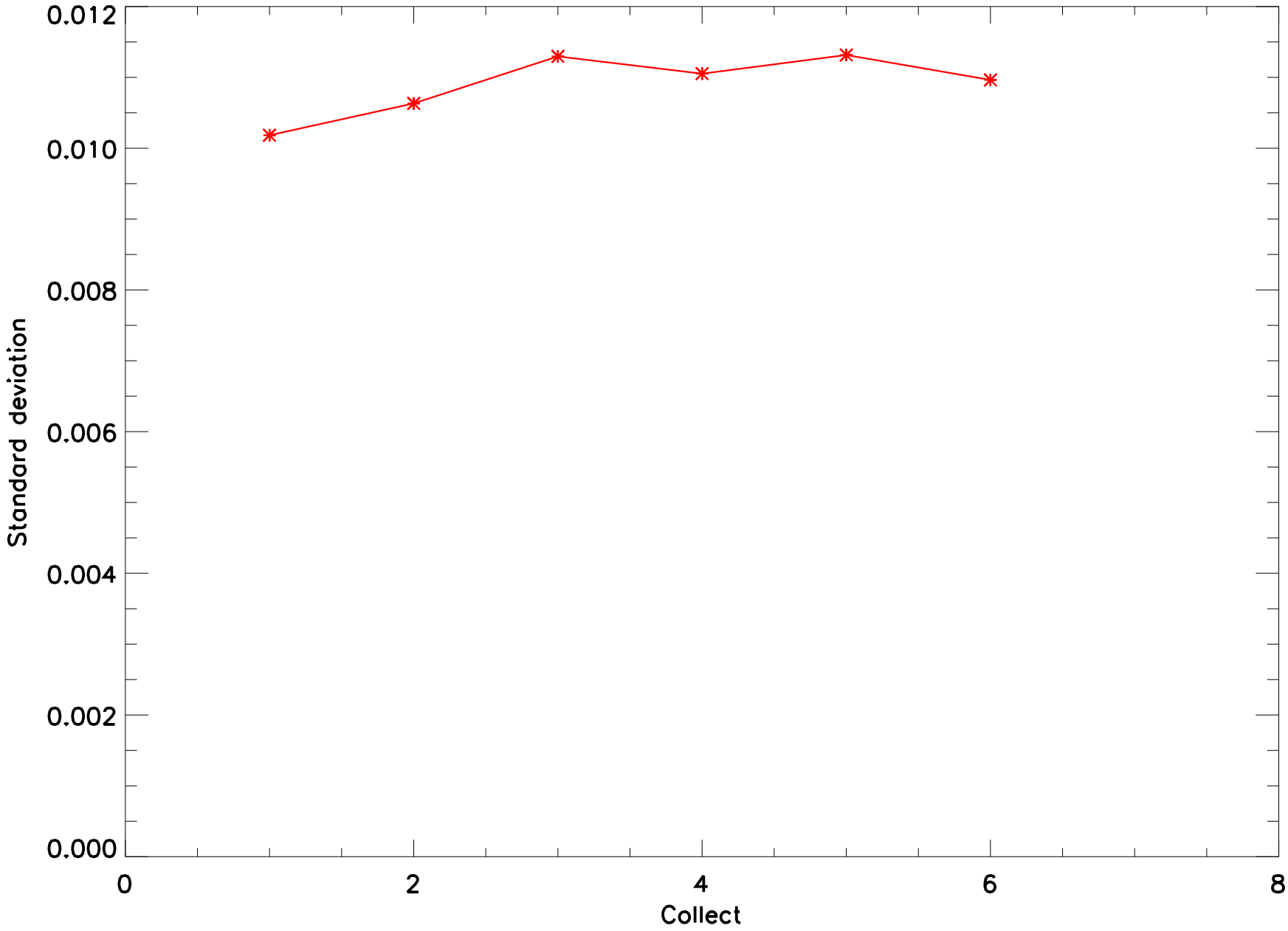

Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
T_obc (K)
Scan

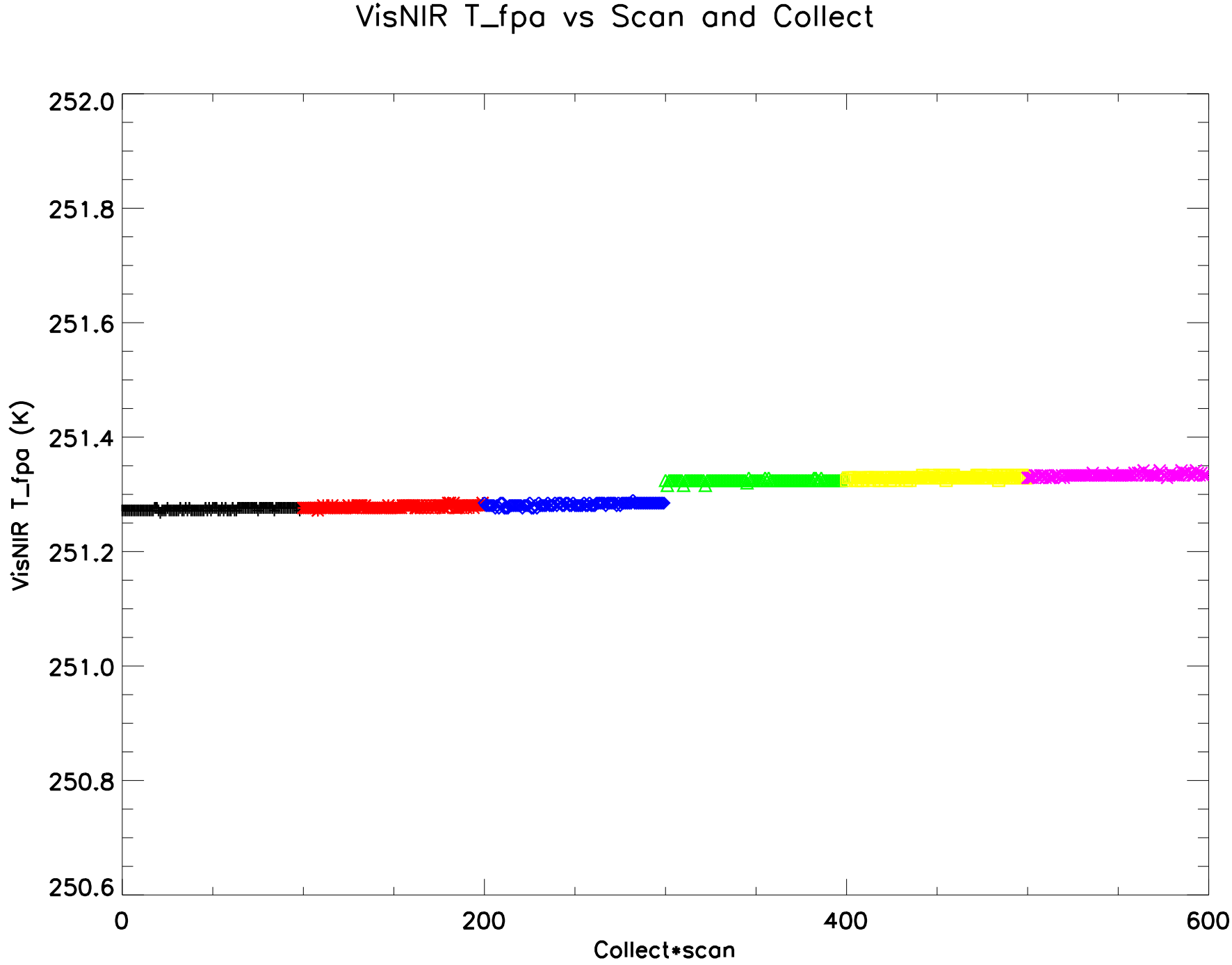

T_OBC per thermistors vs Scan
Collect=1
Collect=2
Collect=3
Collect=4
T_obc (K)
Scan
255.06
255.04
255.02
255.00
254.98
254.96
254.94
254.93
254.97
254.99
0
20
40
60
80
100
1
2
3
4
5
6

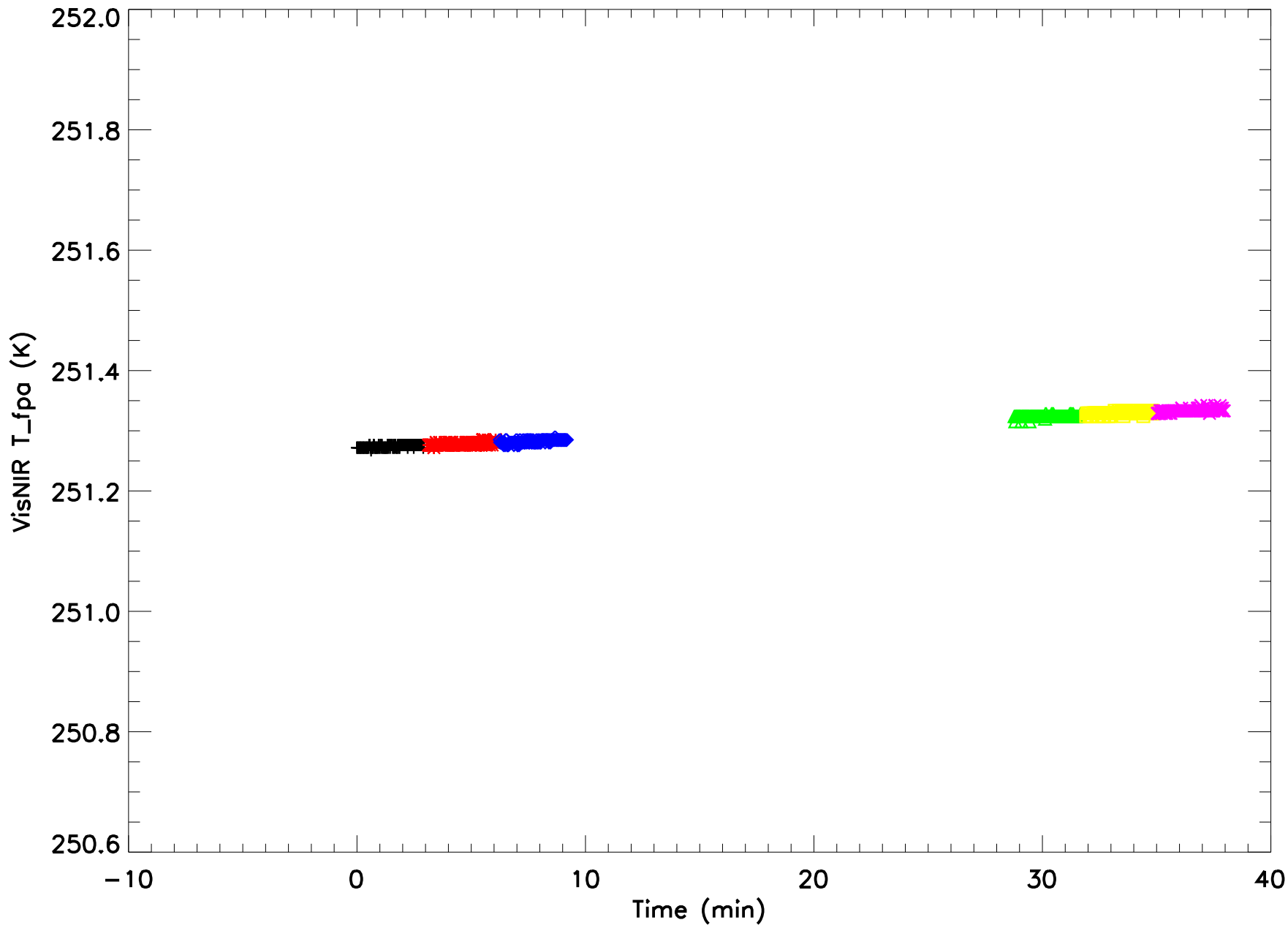
T_OBC per thermistors vs Scan



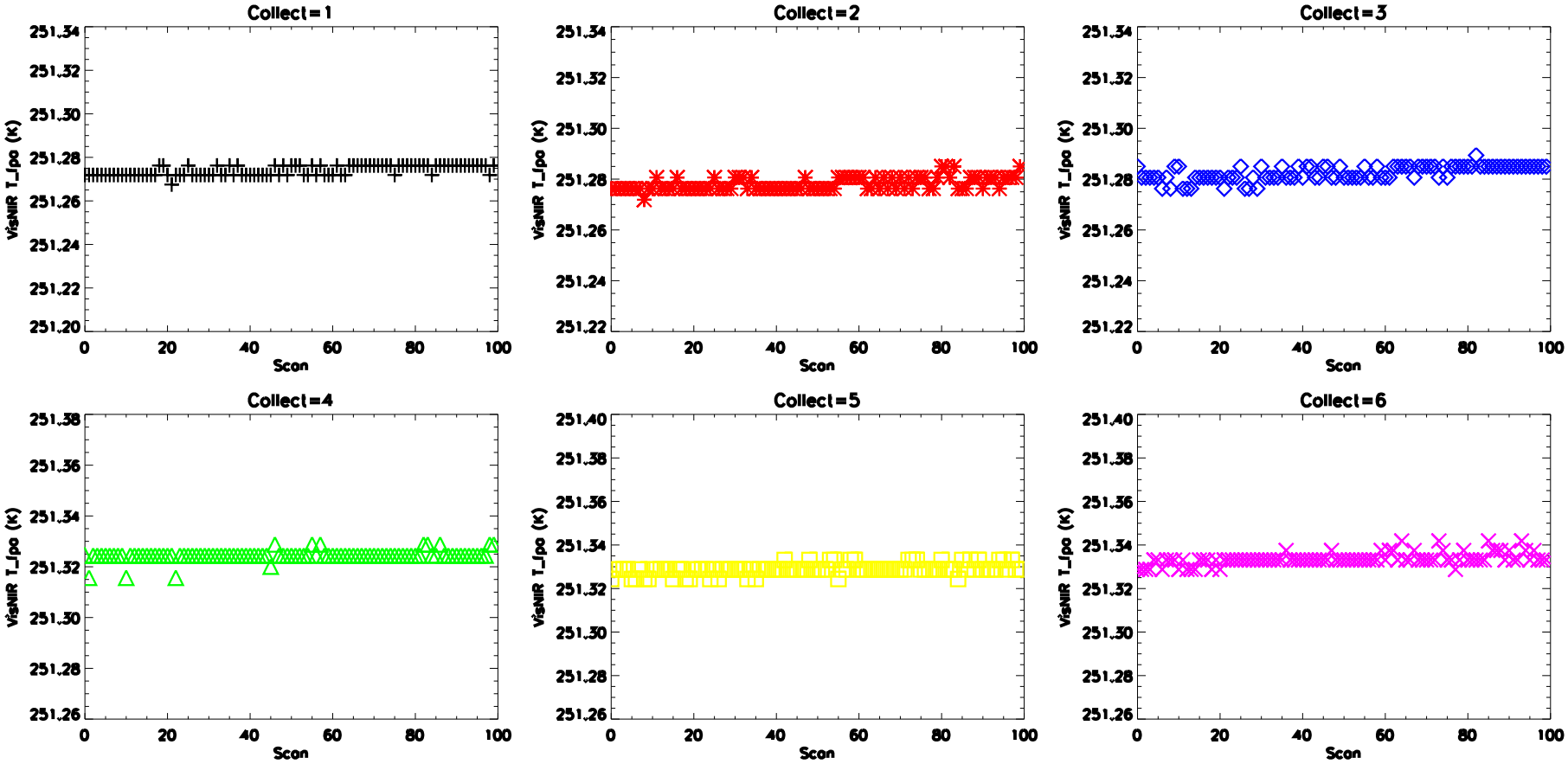

OBC thermistor standard deviation vs Scan and Collect
Standard deviation
0.025
0.020
0.015
0.010
0.005
0.000
0
200
400
600
Collect*scan

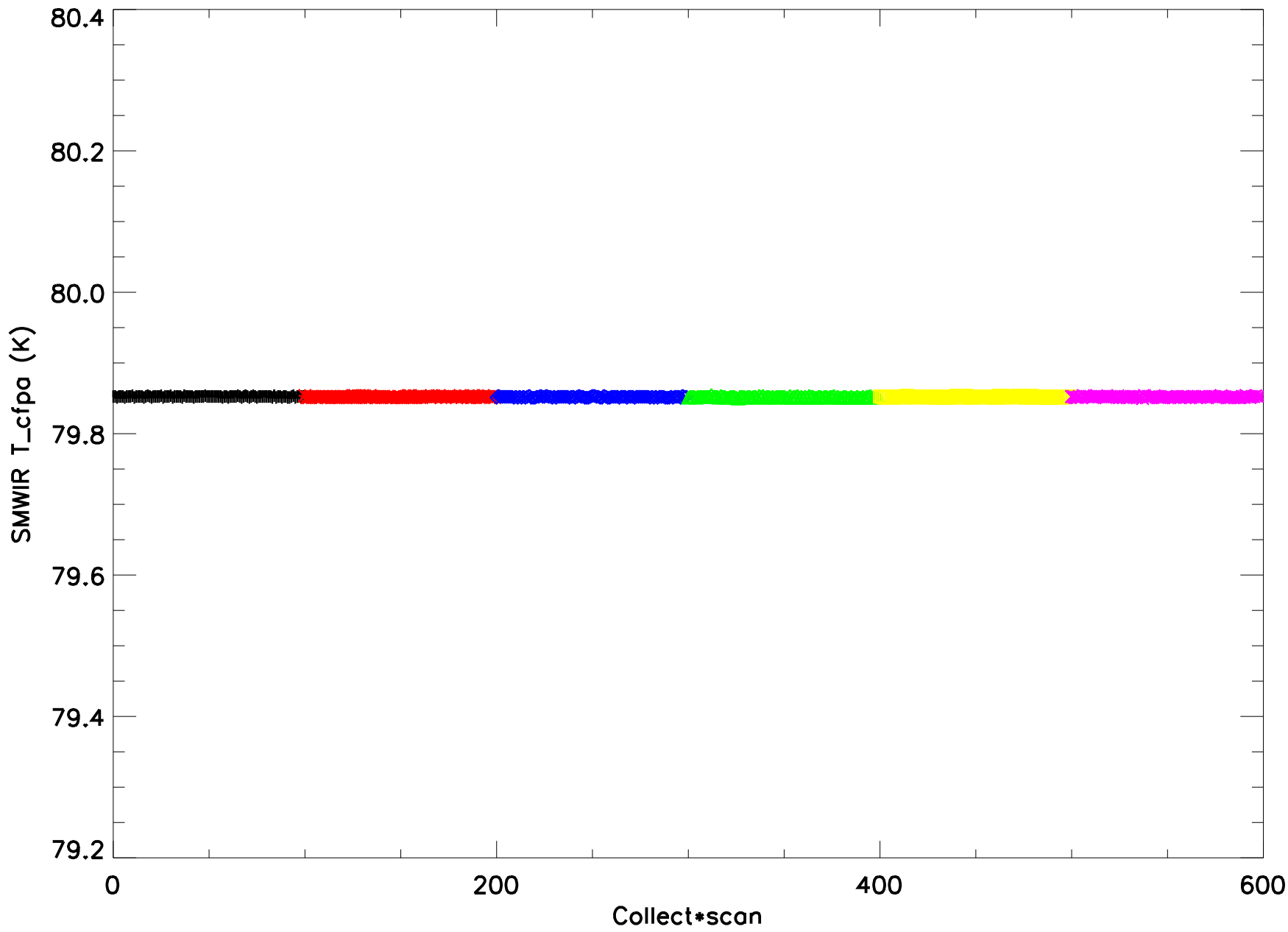

OBC thermistor standard deviation vs Collect
0.012
0.010
0.008
0.006
0.004
0.002
0.000
Standard deviation
0
2
4
6
8
Collect

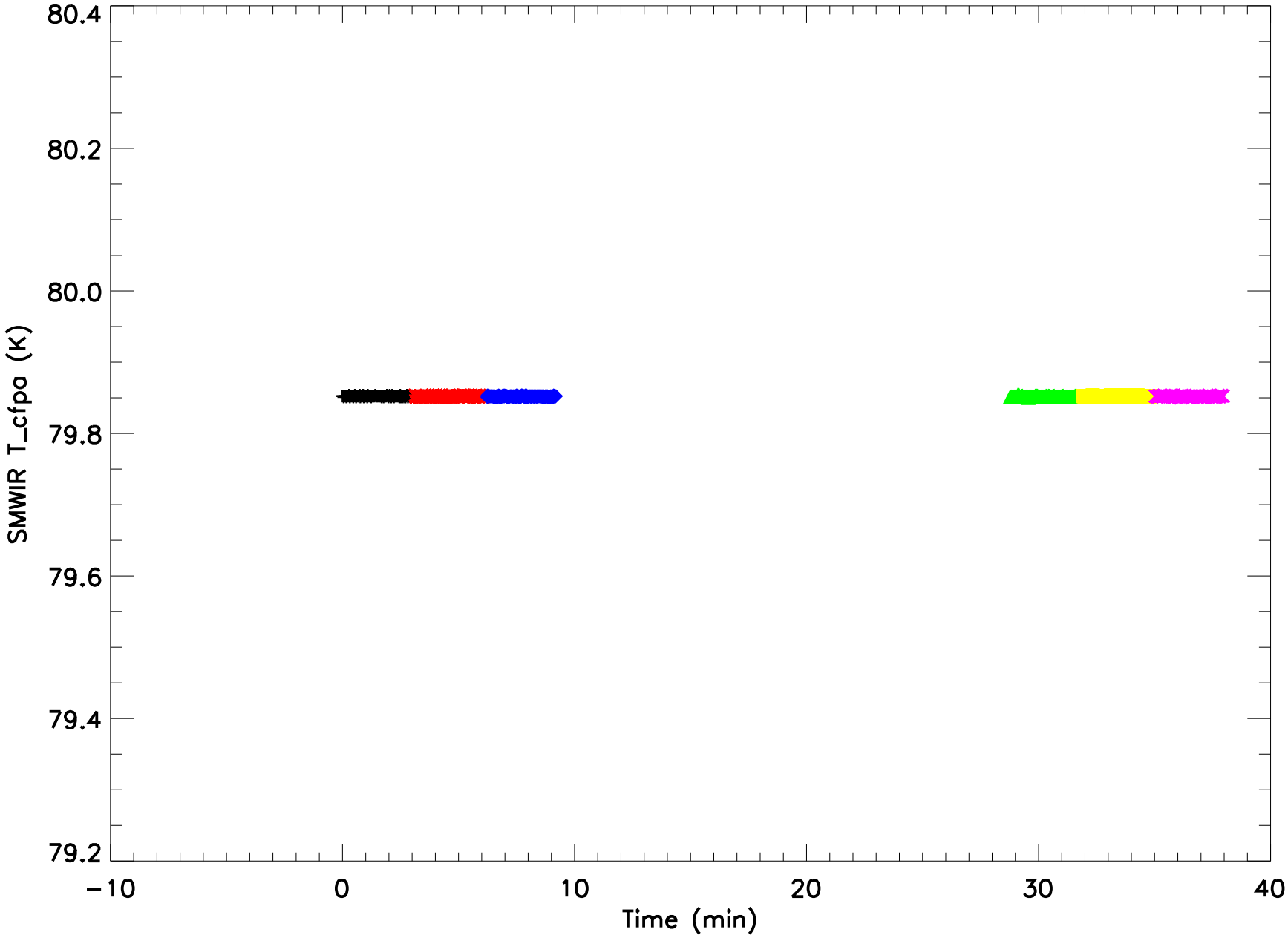

VisNIR T_fpa vs Scan and Collect
252.0
251.8
251.6
251.4
251.2
251.0
250.8
250.6
VisNIR T_fpa (K)
0
200
400
600
Collect*scan


VisNIR T_fpa vs Time
252.0
251.8
251.6
251.4
251.2
251.0
250.8
250.6
VisNIR T_fpa (K)
−10
0
10
20
30
40
Time (min)

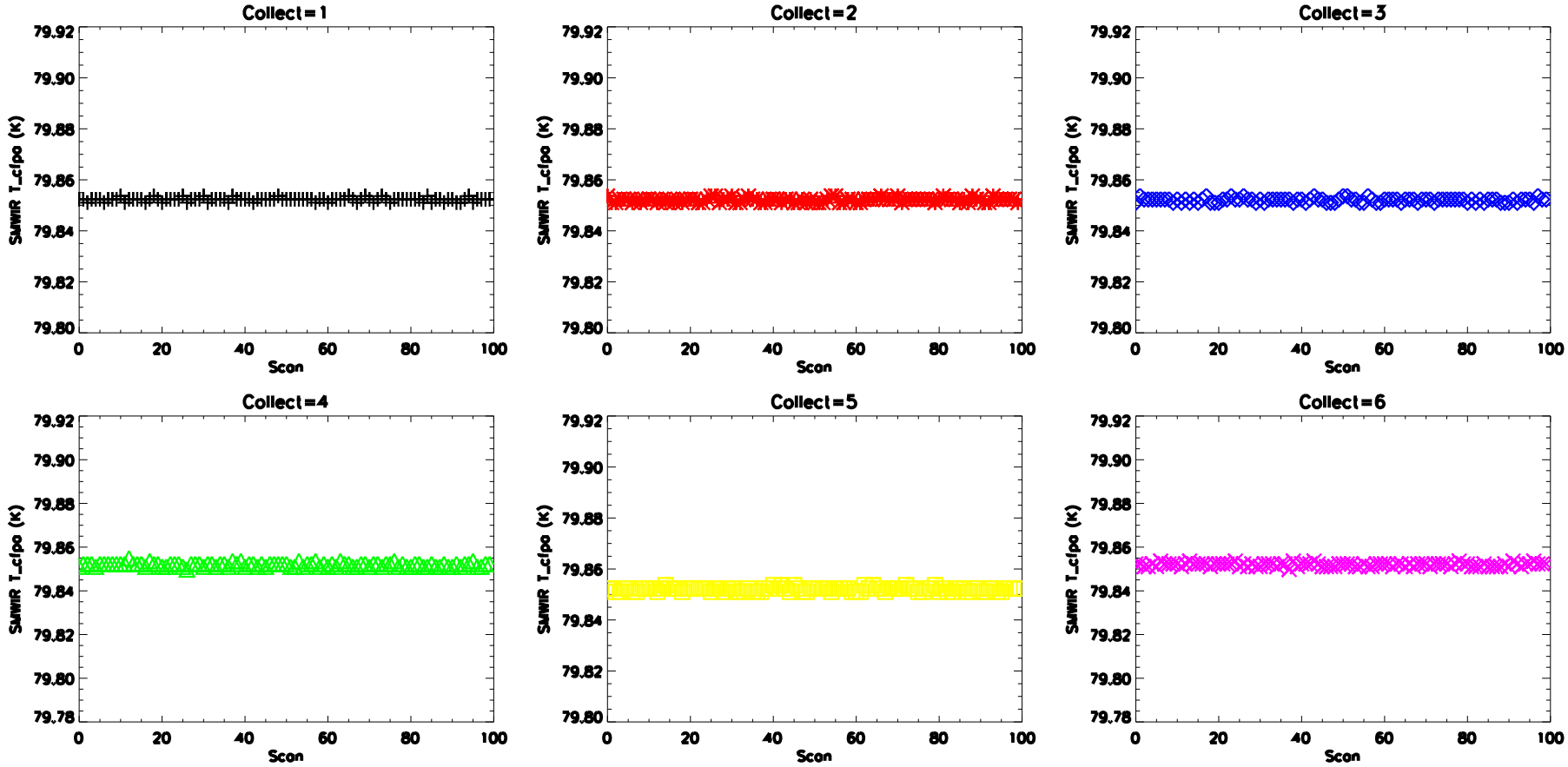
VisNIR T_fpa vs Scan

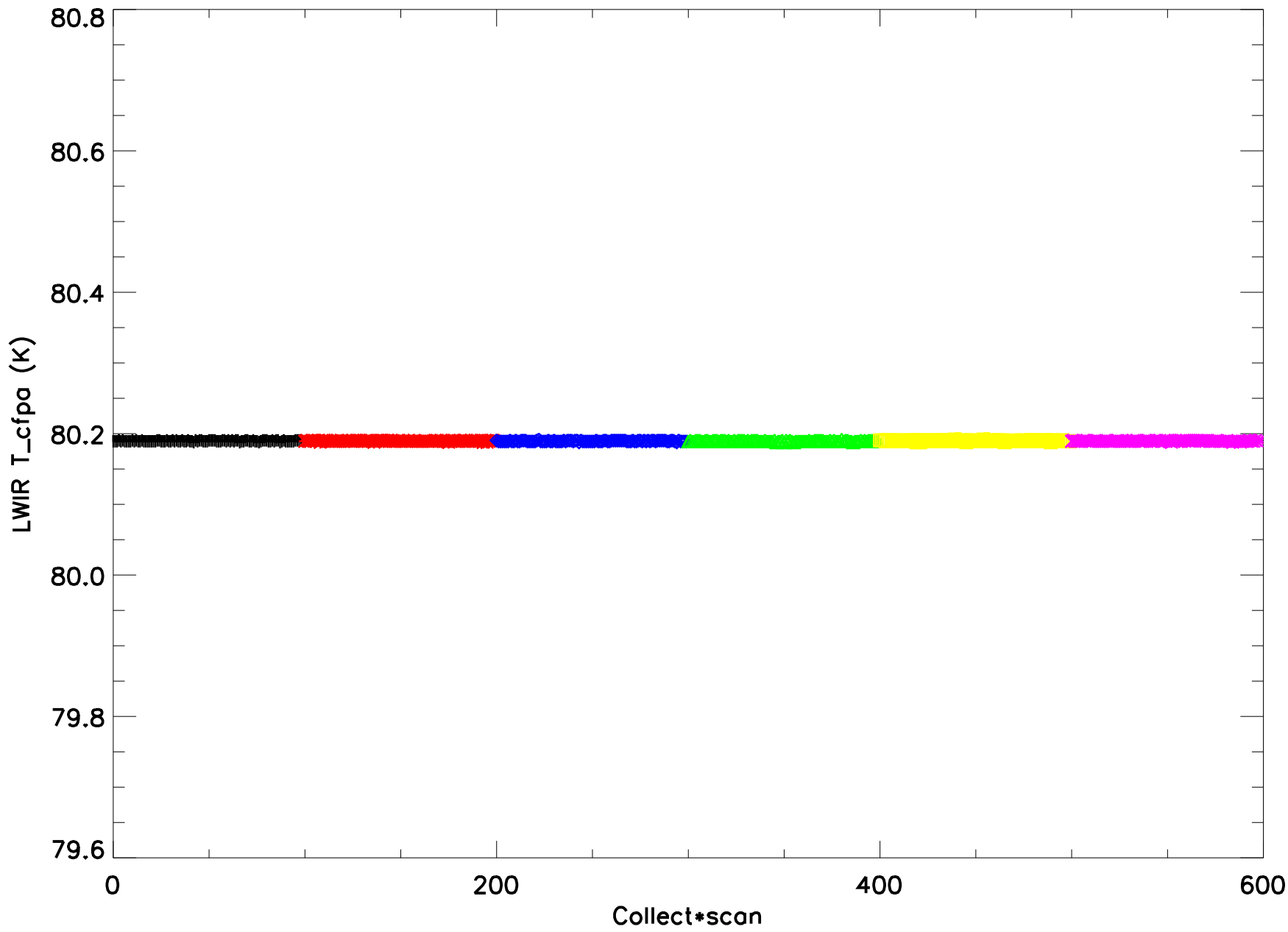


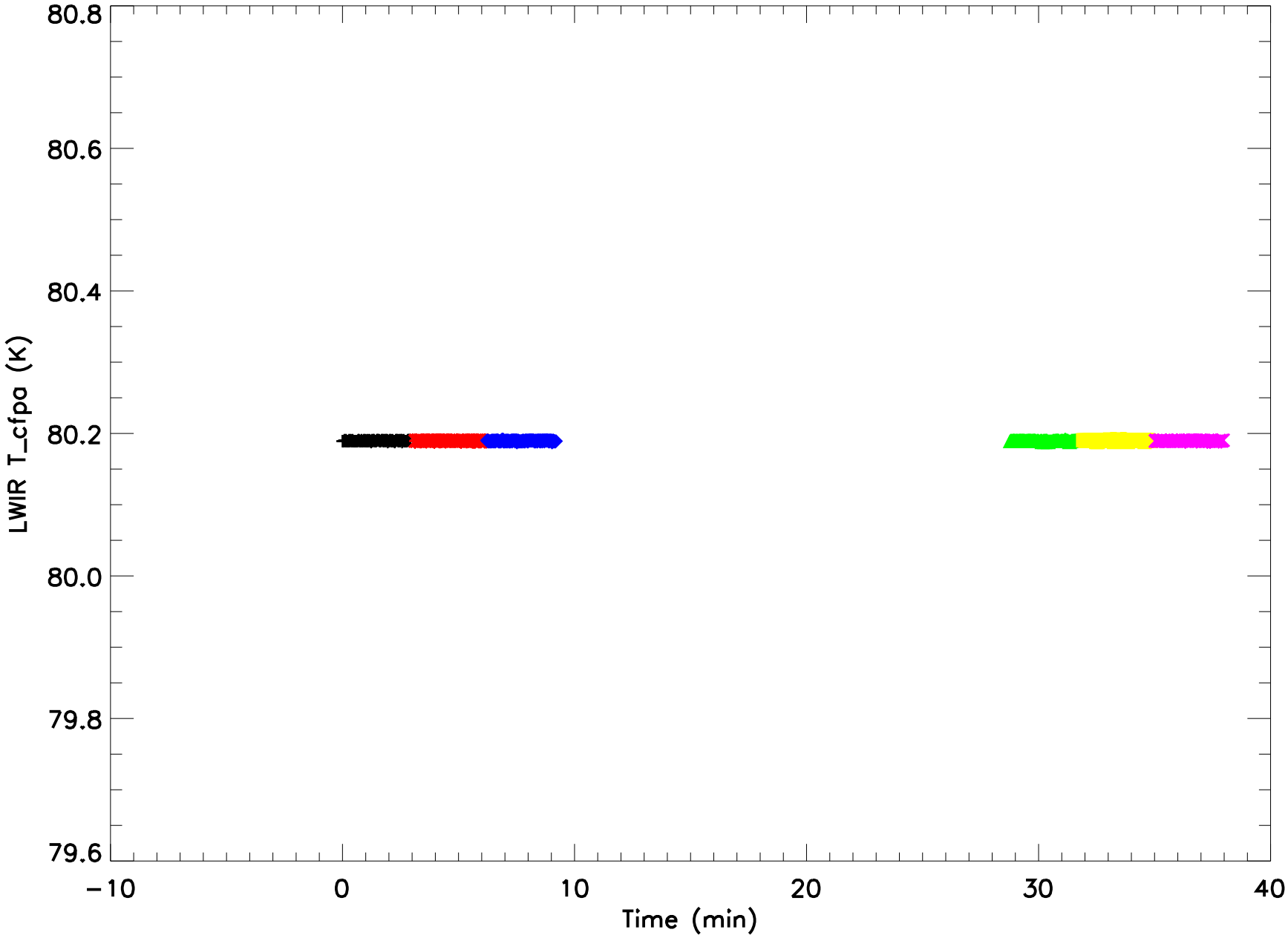

SMWIR T_cfpa vs Scan and Collect
80.4
80.2
80.0
79.8
79.6
79.4
79.2
SMWIR T_cfpa (K)
0
200
400
600
Collect*scan


SMWIR T_cfpa vs Time
SMWIR T_cfpa (K)
80.4
80.2
80.0
79.8
79.6
79.4
79.2
−10
0
10
20
30
40
Time (min)

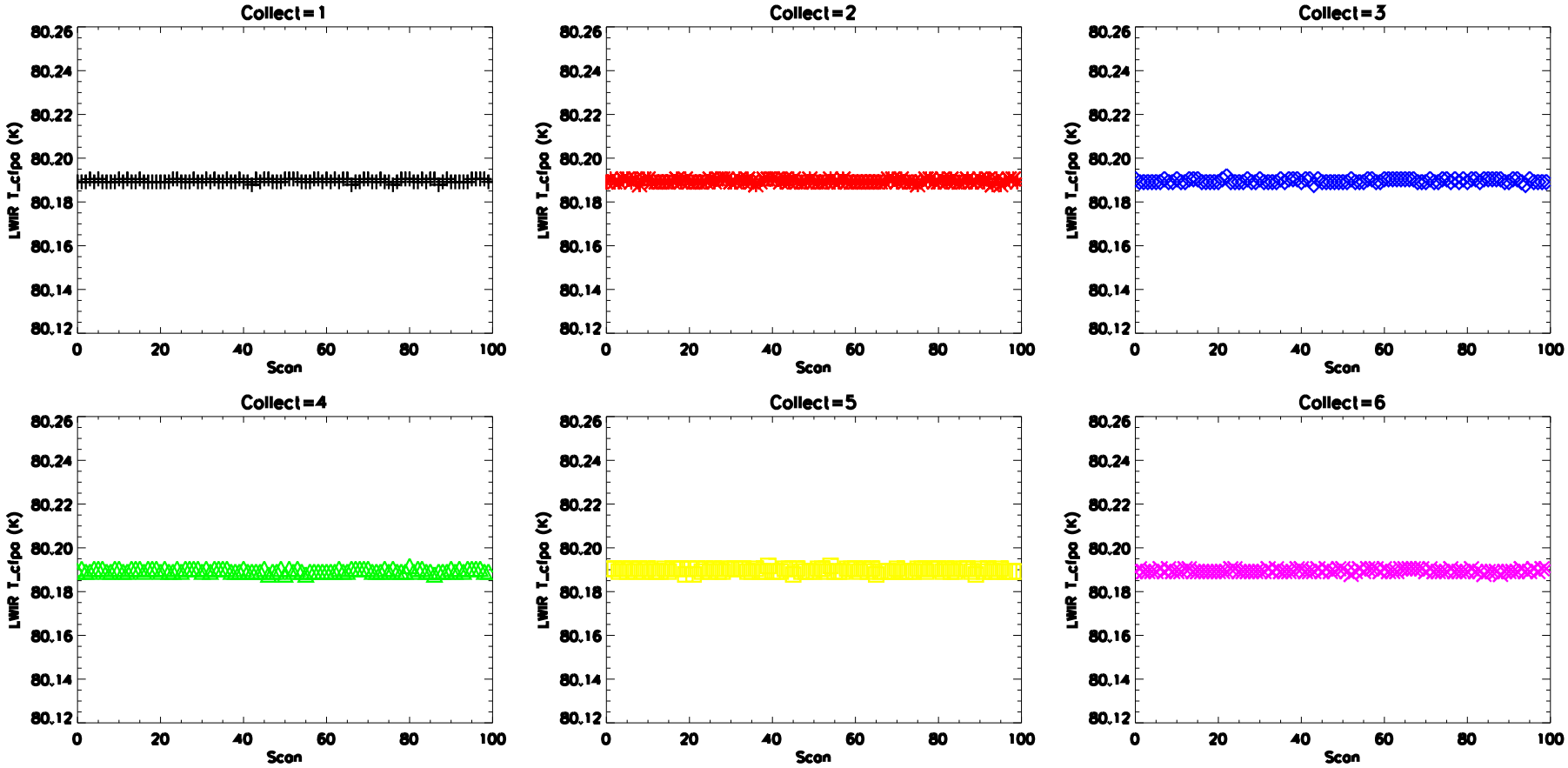
SMWIR T_cfpa vs Scan

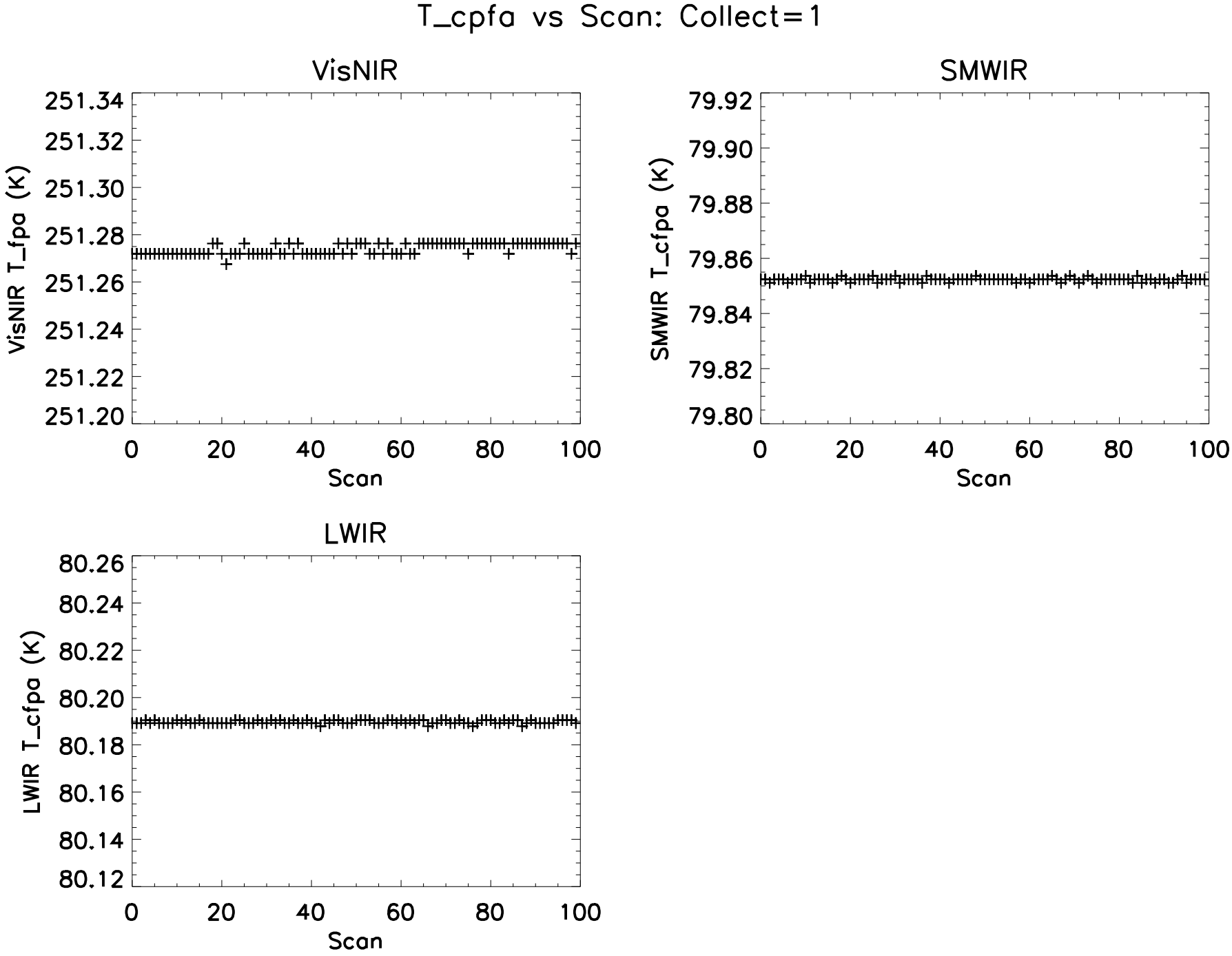


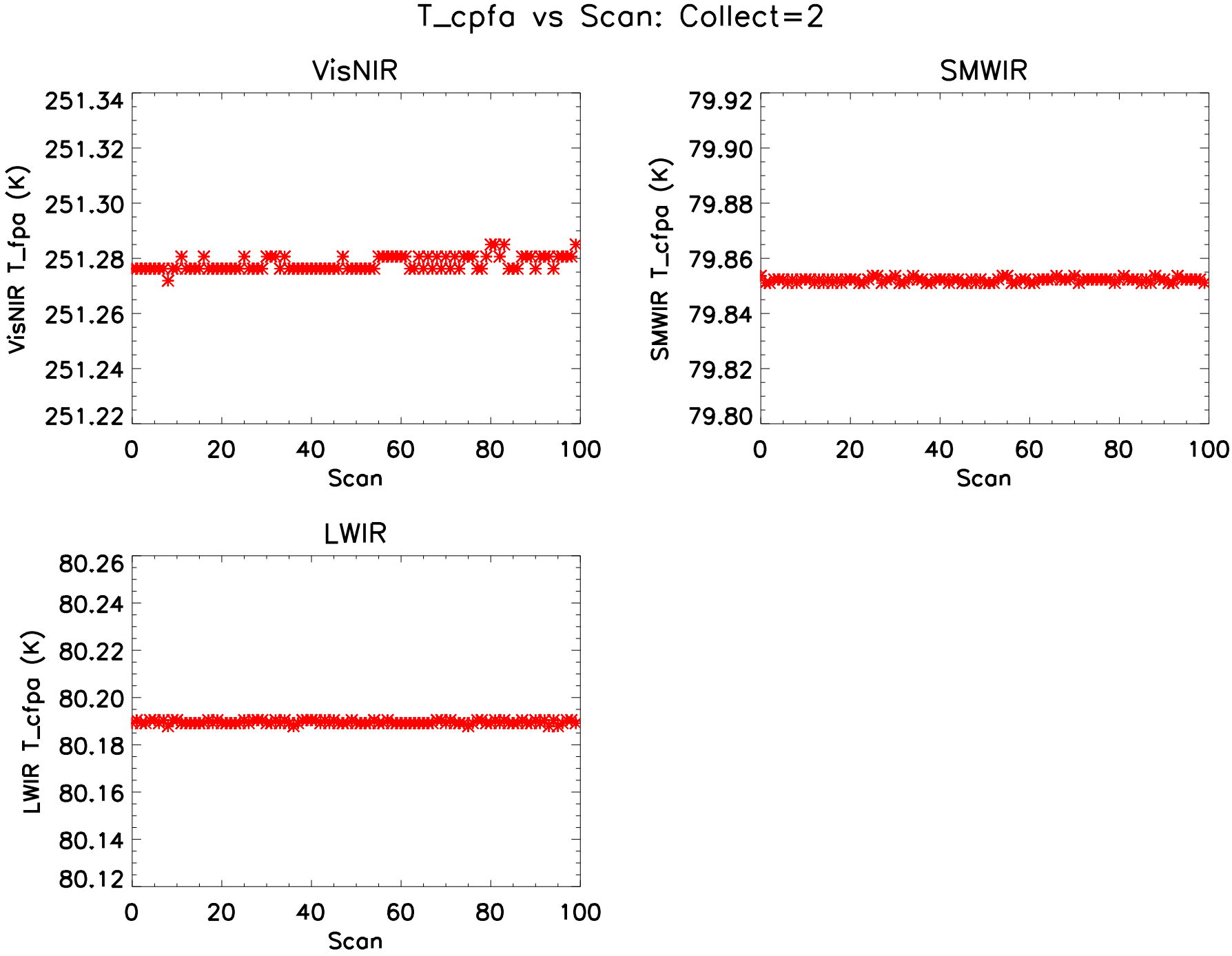

LWIR T_cfpa vs Scan and Collect
80.8
80.6
80.4
80.2
80.0
79.8
79.6
LWIR T_cfpa (K)
0
200
400
600
Collect*scan

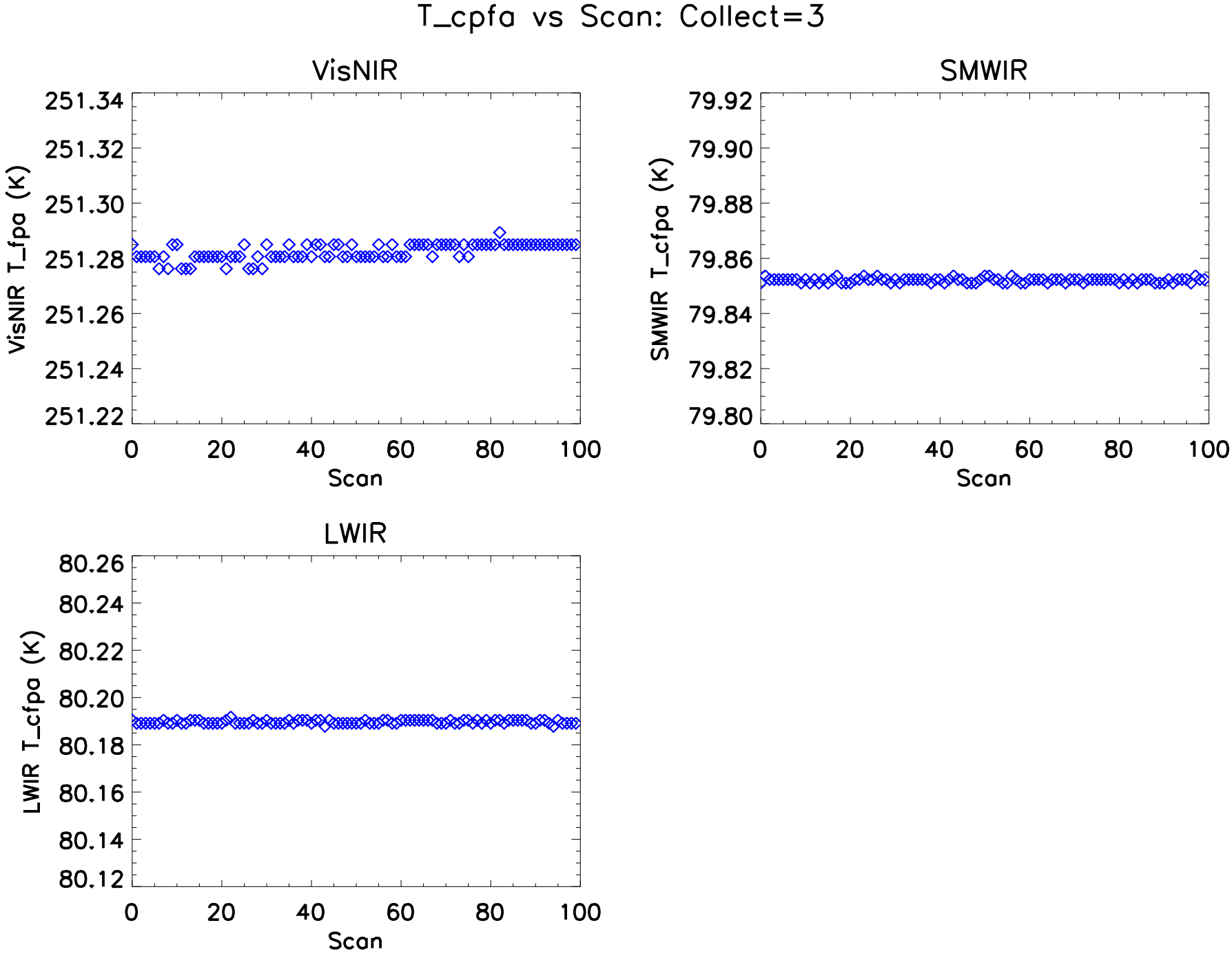

LWIR T_cfpa vs Time
LWIR T_cfpa (K)
80.8
80.6
80.4
80.2
80.0
79.8
79.6
−10
0
10
20
30
40
Time (min)

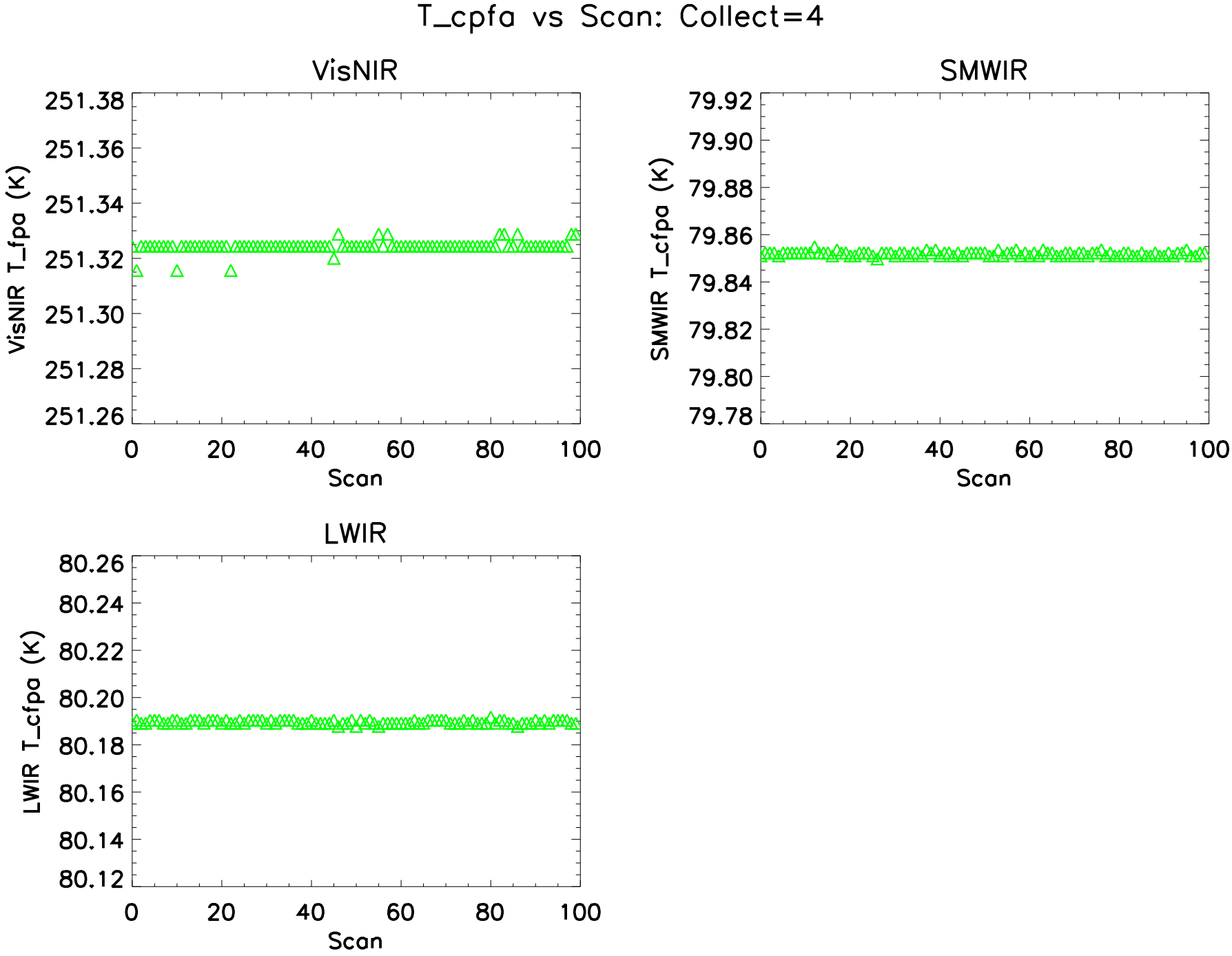
LWIR T_cfpa vs Scan

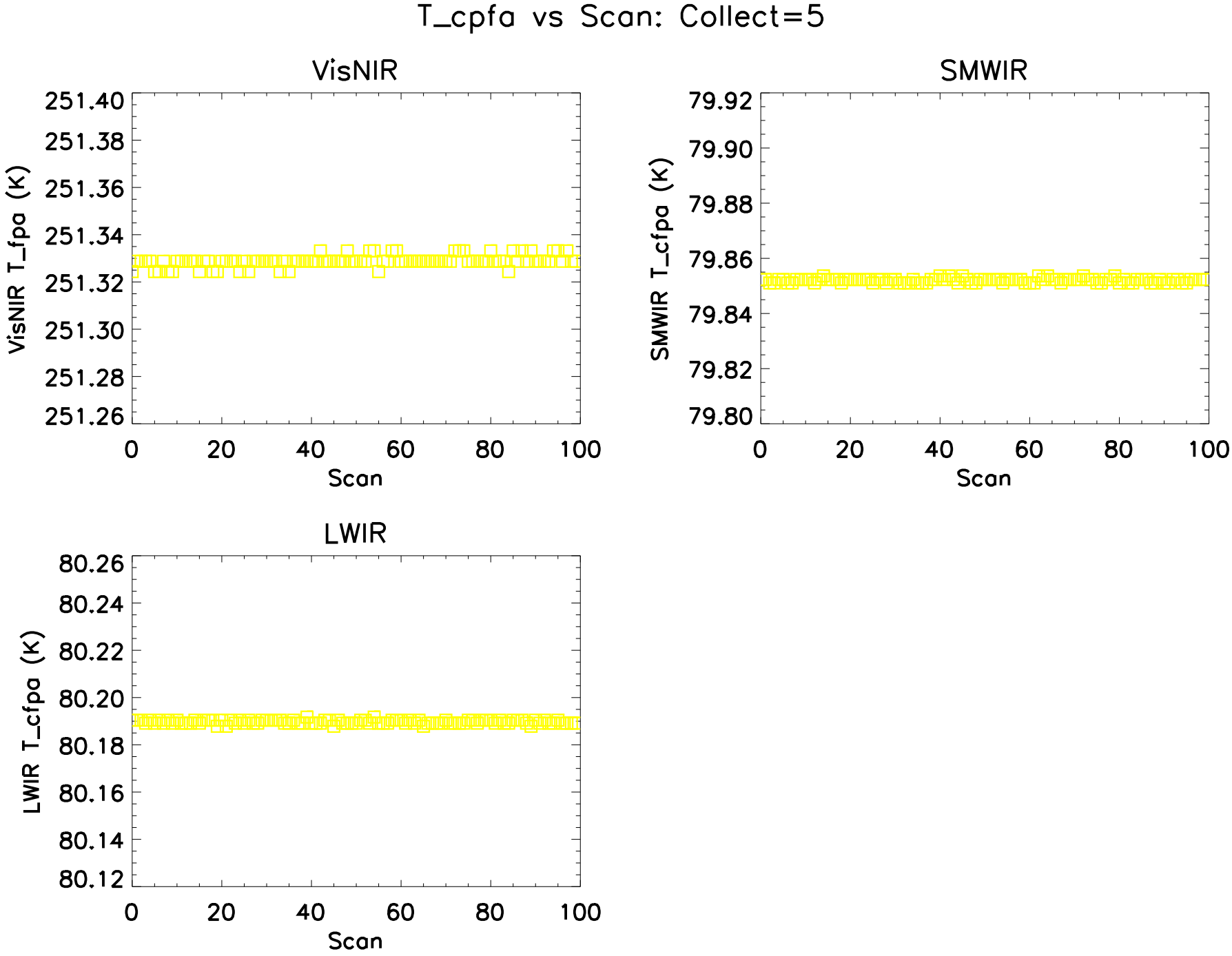


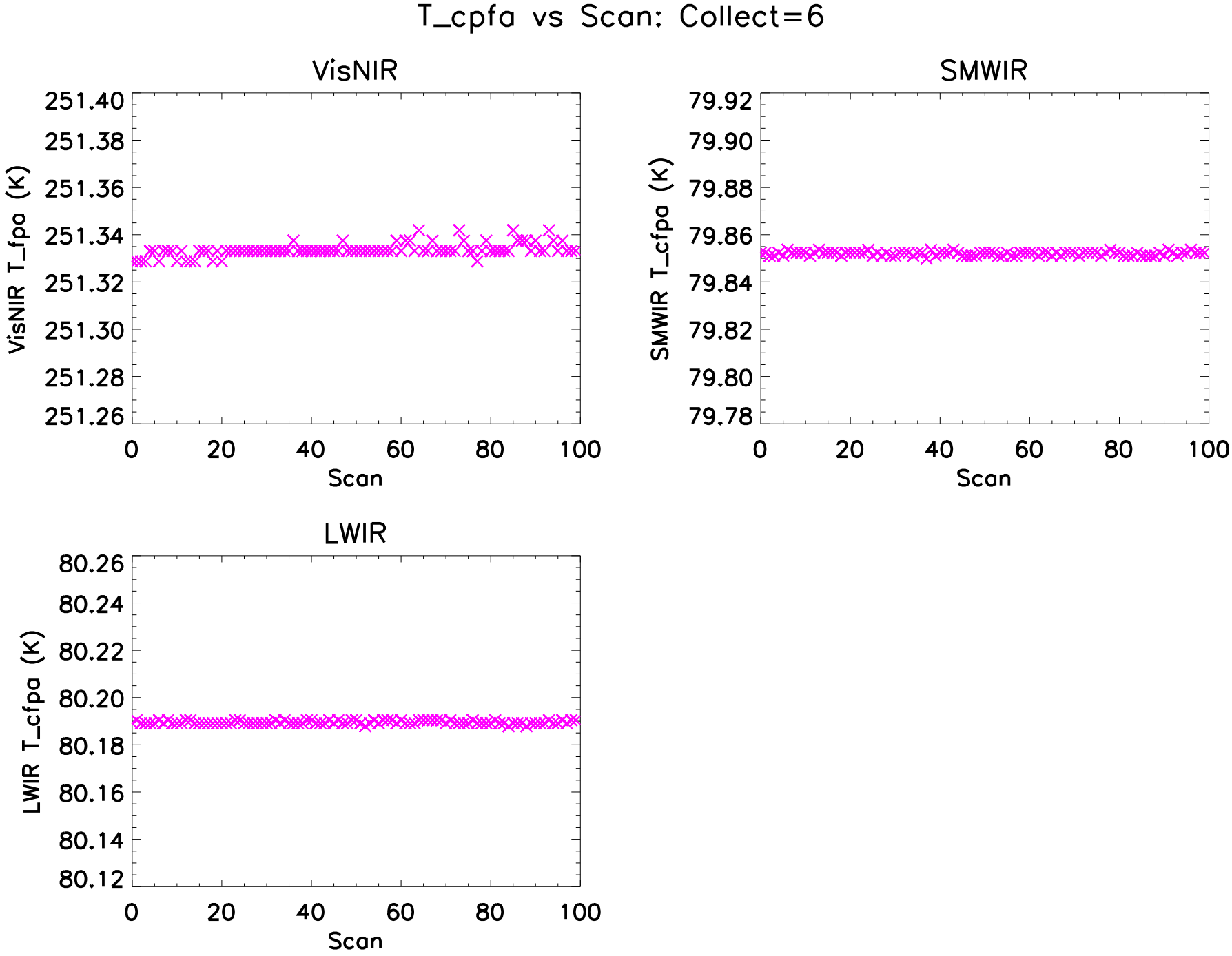

T_cpfa vs Scan: Collect=1
VisNIR
VisNIR T_fpa (K)
251.34
251.32
251.30
251.28
251.26
251.24
251.22
251.20
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
79.92
79.90
79.88
79.86
79.84
79.82
79.80
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
80.26
80.24
80.22
80.20
80.18
80.16
80.14
80.12
0
20
40
60
80
100
Scan

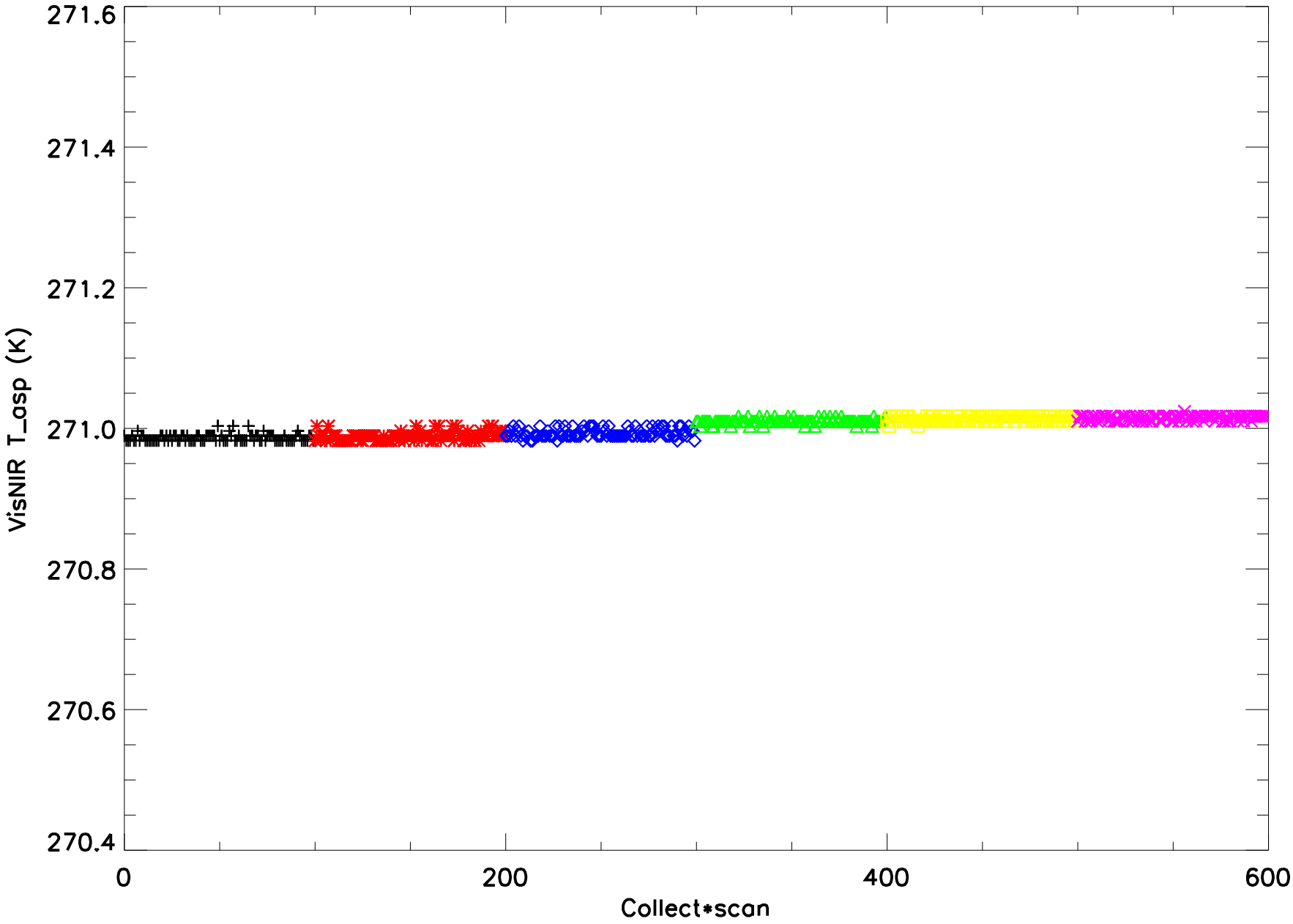

T_cpfa vs Scan: Collect=2
VisNIR
VisNIR T_fpa (K)
251.34
251.32
251.30
251.28
251.26
251.24
251.22
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
79.92
79.90
79.88
79.86
79.84
79.82
79.80
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
80.26
80.24
80.22
80.20
80.18
80.16
80.14
80.12
0
20
40
60
80
100
Scan

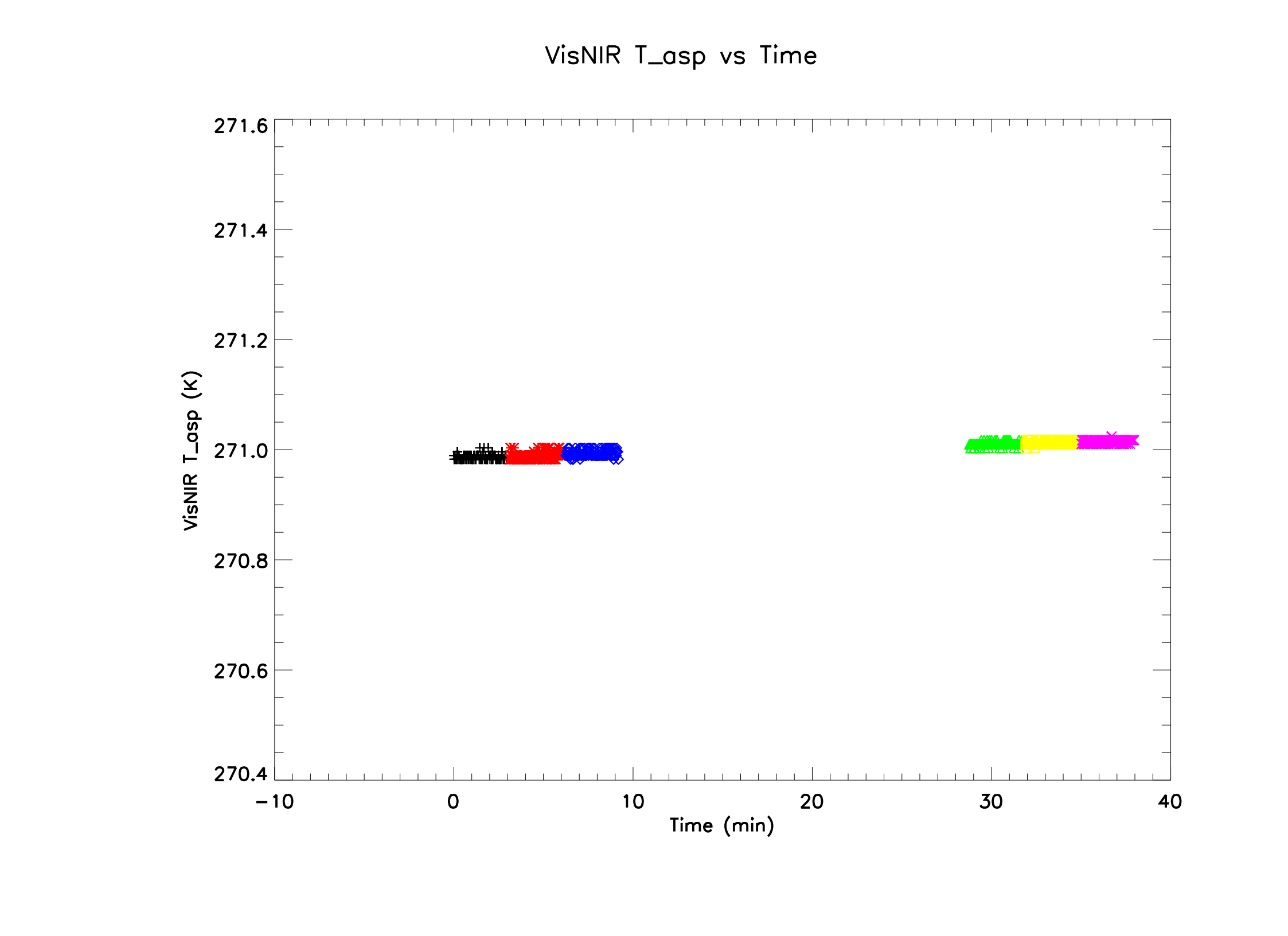

T_cpfa vs Scan: Collect=3
VisNIR
VisNIR T_fpa (K)
251.34
251.32
251.30
251.28
251.26
251.24
251.22
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
79.92
79.90
79.88
79.86
79.84
79.82
79.80
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
80.26
80.24
80.22
80.20
80.18
80.16
80.14
80.12
0
20
40
60
80
100
Scan


T_cpfa vs Scan: Collect=4
VisNIR
VisNIR T_fpa (K)
251.38
251.36
251.34
251.32
251.30
251.28
251.26
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
79.92
79.90
79.88
79.86
79.84
79.82
79.80
79.78
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
80.26
80.24
80.22
80.20
80.18
80.16
80.14
80.12
0
20
40
60
80
100
Scan

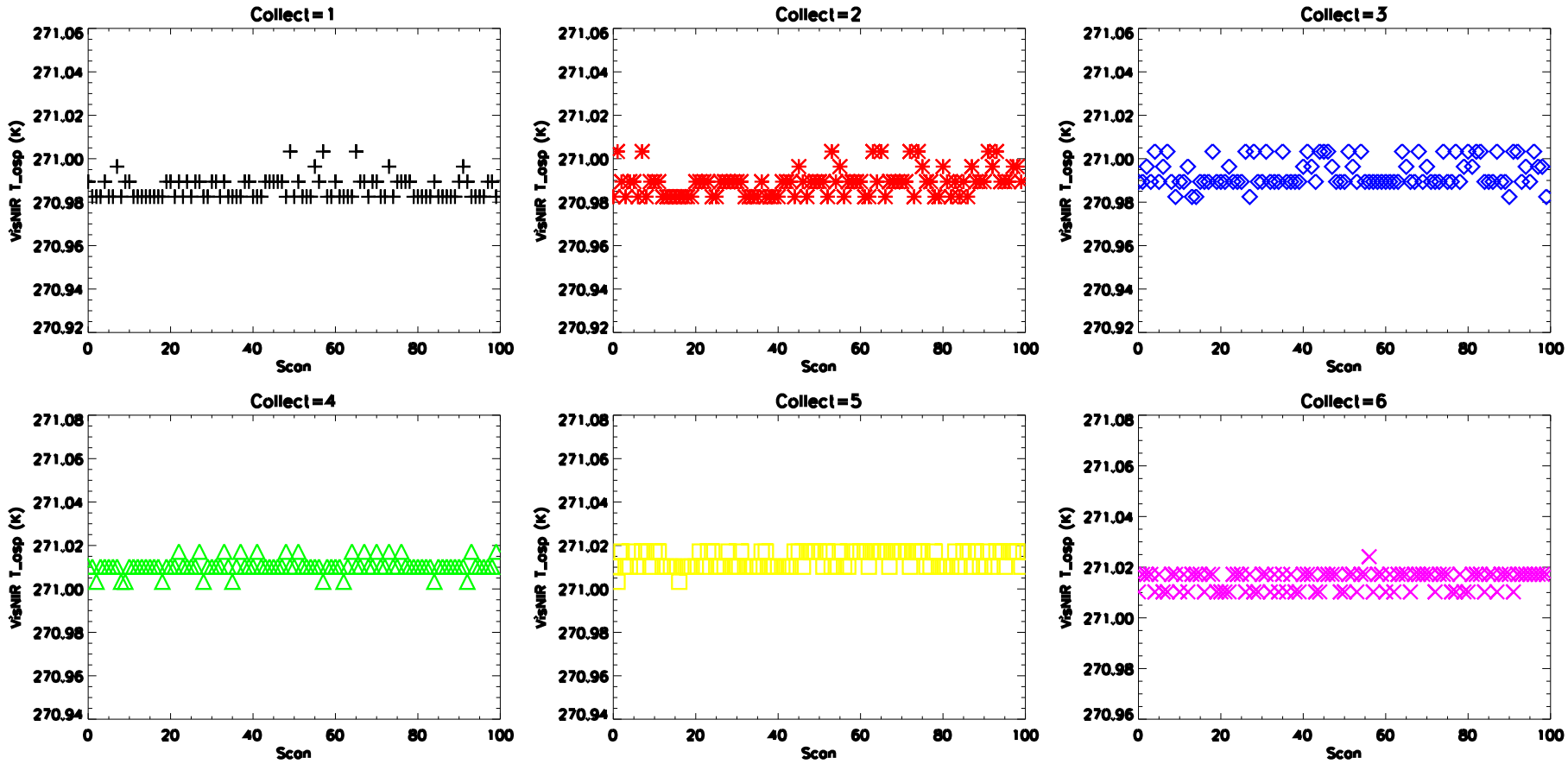

T_cpfa vs Scan: Collect=5
VisNIR
VisNIR T_fpa (K)
251.40
251.38
251.36
251.34
251.32
251.30
251.28
251.26
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
79.92
79.90
79.88
79.86
79.84
79.82
79.80
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
80.26
80.24
80.22
80.20
80.18
80.16
80.14
80.12
0
20
40
60
80
100
Scan

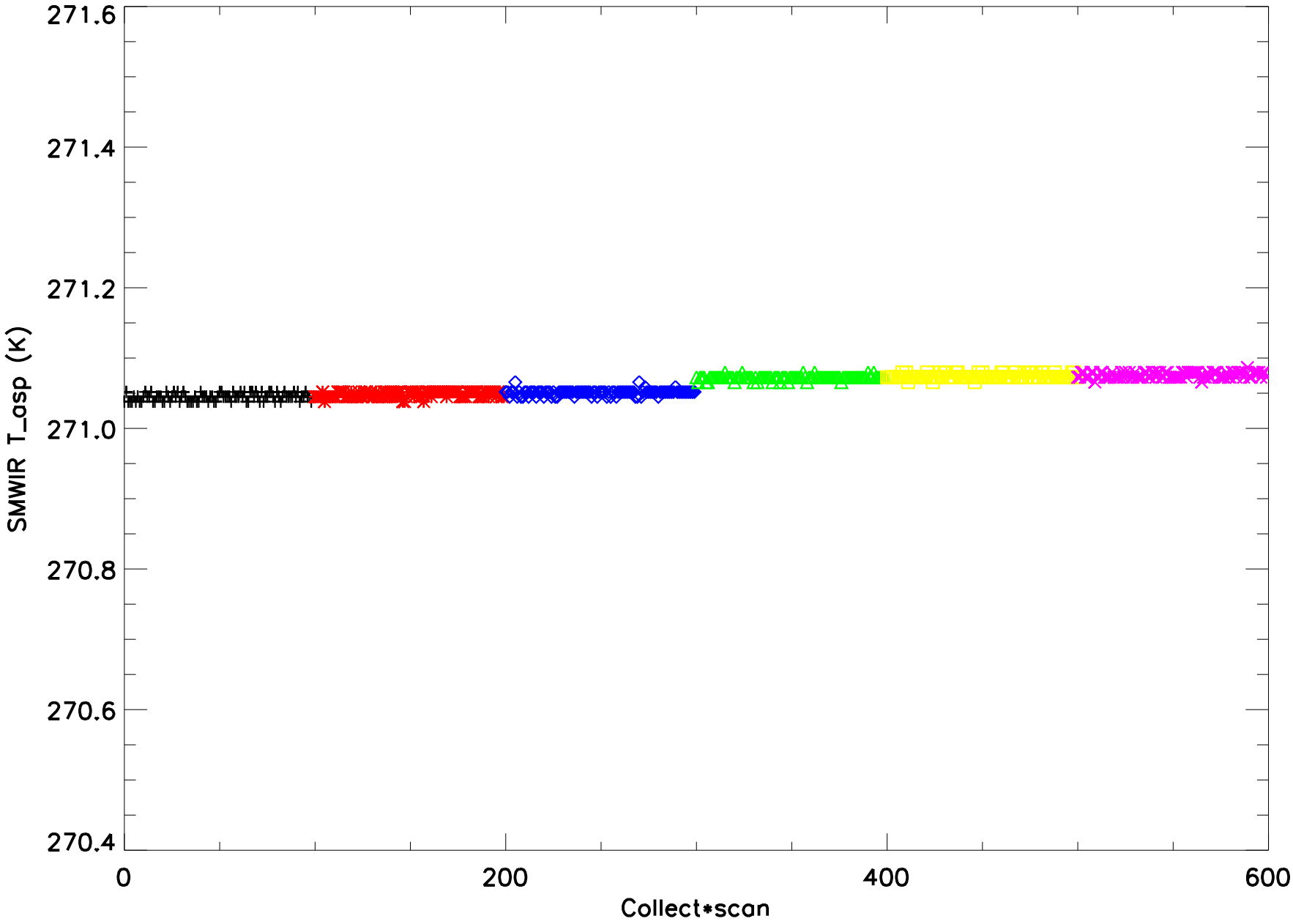

T_cpfa vs Scan: Collect=6
VisNIR
VisNIR T_fpa (K)
251.40
251.38
251.36
251.34
251.32
251.30
251.28
251.26
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
79.92
79.90
79.88
79.86
79.84
79.82
79.80
79.78
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
80.26
80.24
80.22
80.20
80.18
80.16
80.14
80.12
0
20
40
60
80
100
Scan

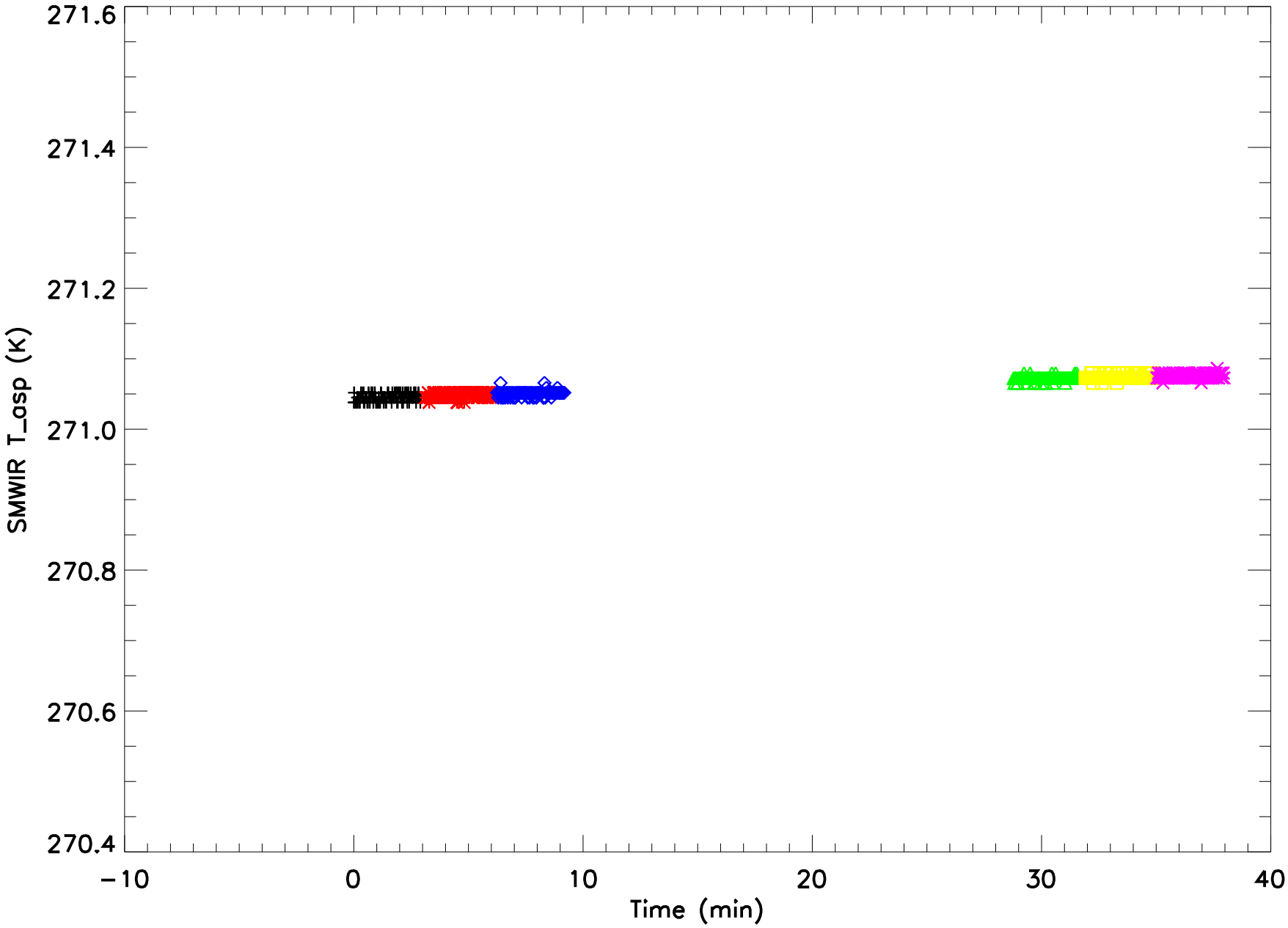

VisNIR T_asp vs Scan and Collect
VisNIR T_asp (K)
271.6
271.4
271.2
271.0
270.8
270.6
270.4
0
200
400
600
Collect*scan


VisNIR T_asp vs Time
VisNIR T_asp (K)
271.6
271.4
271.2
271.0
270.8
270.6
270.4
−10
0
10
20
30
40
Time (min)

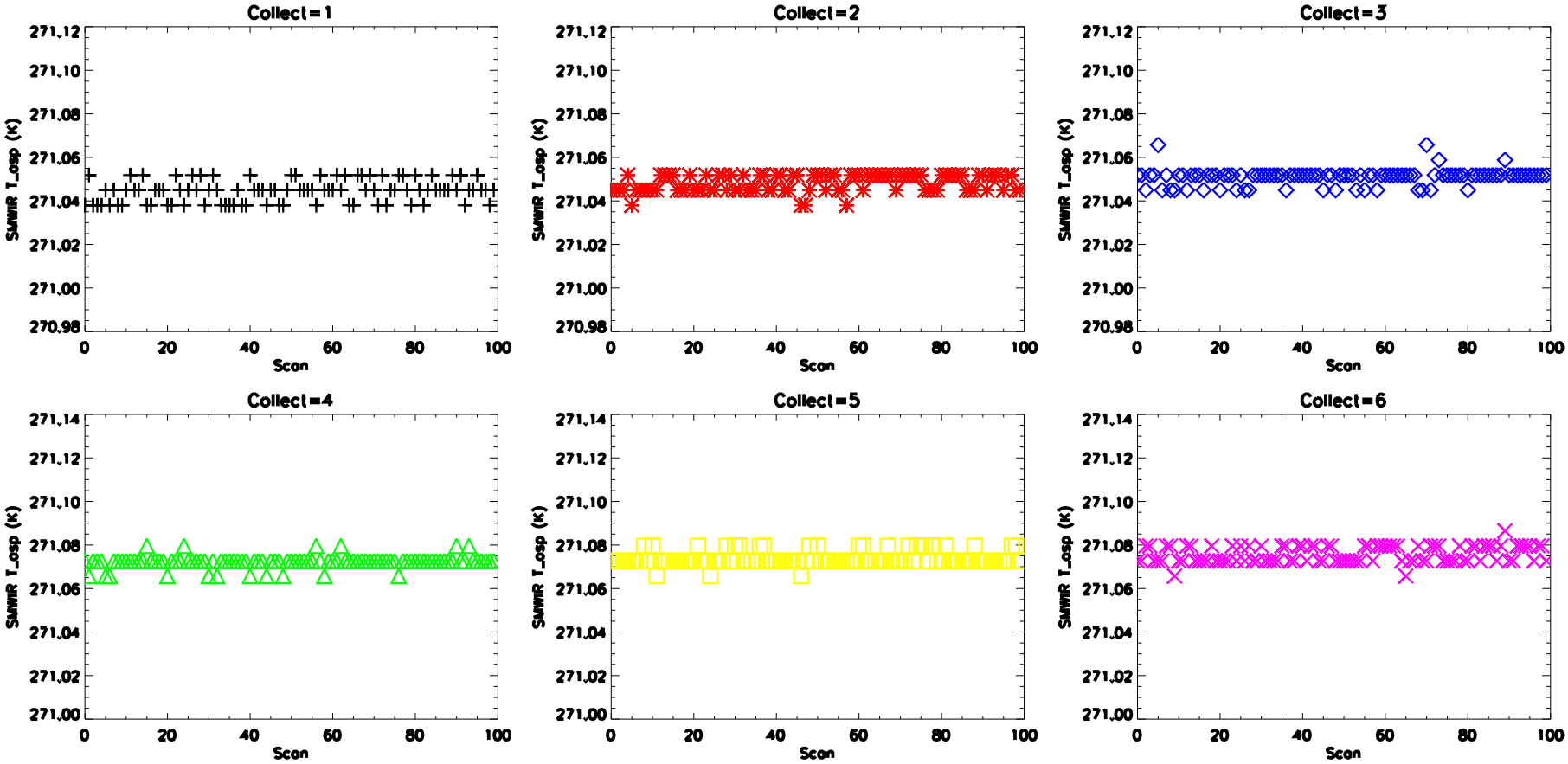
VisNIR T_asp vs Scan

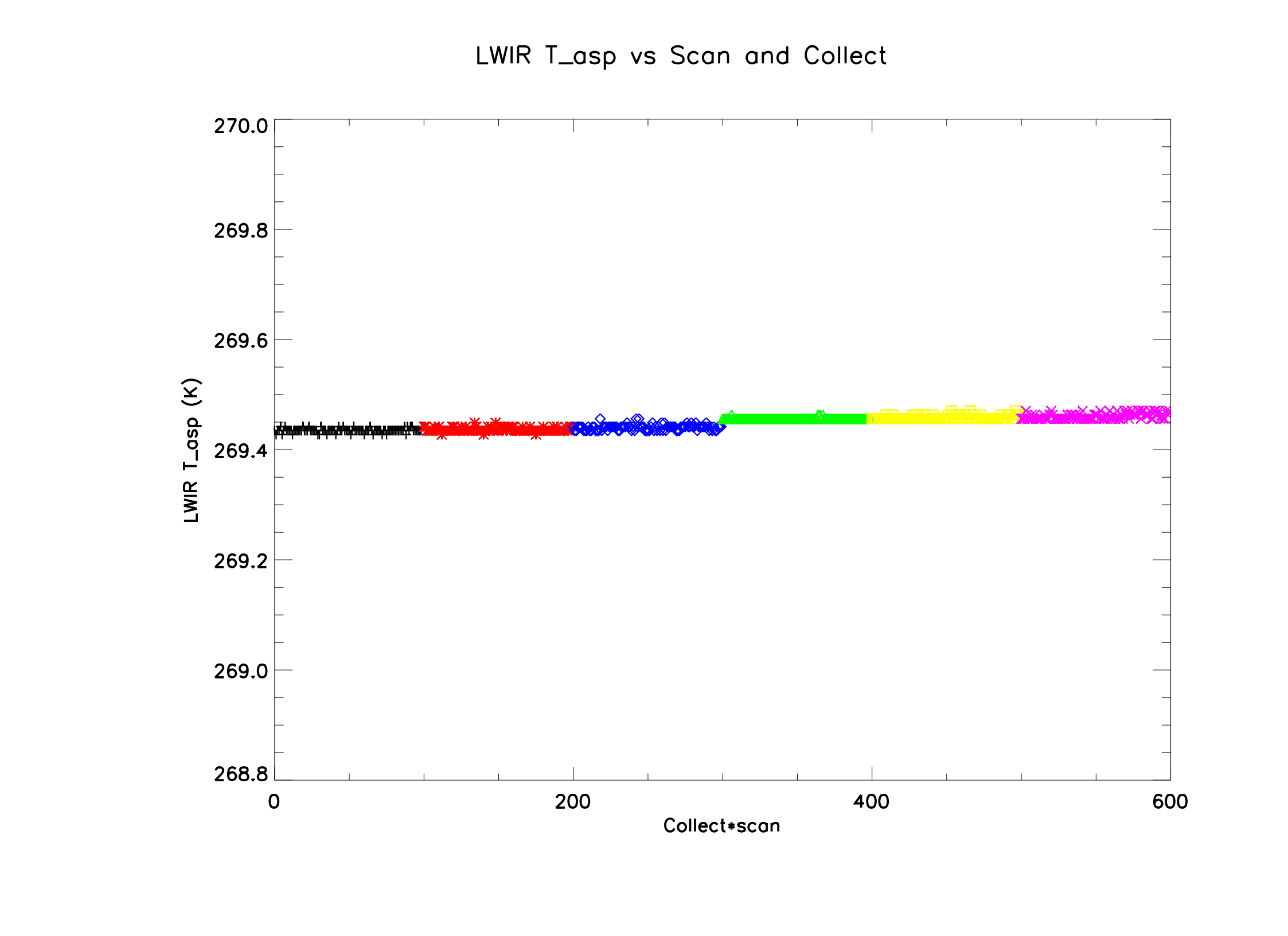


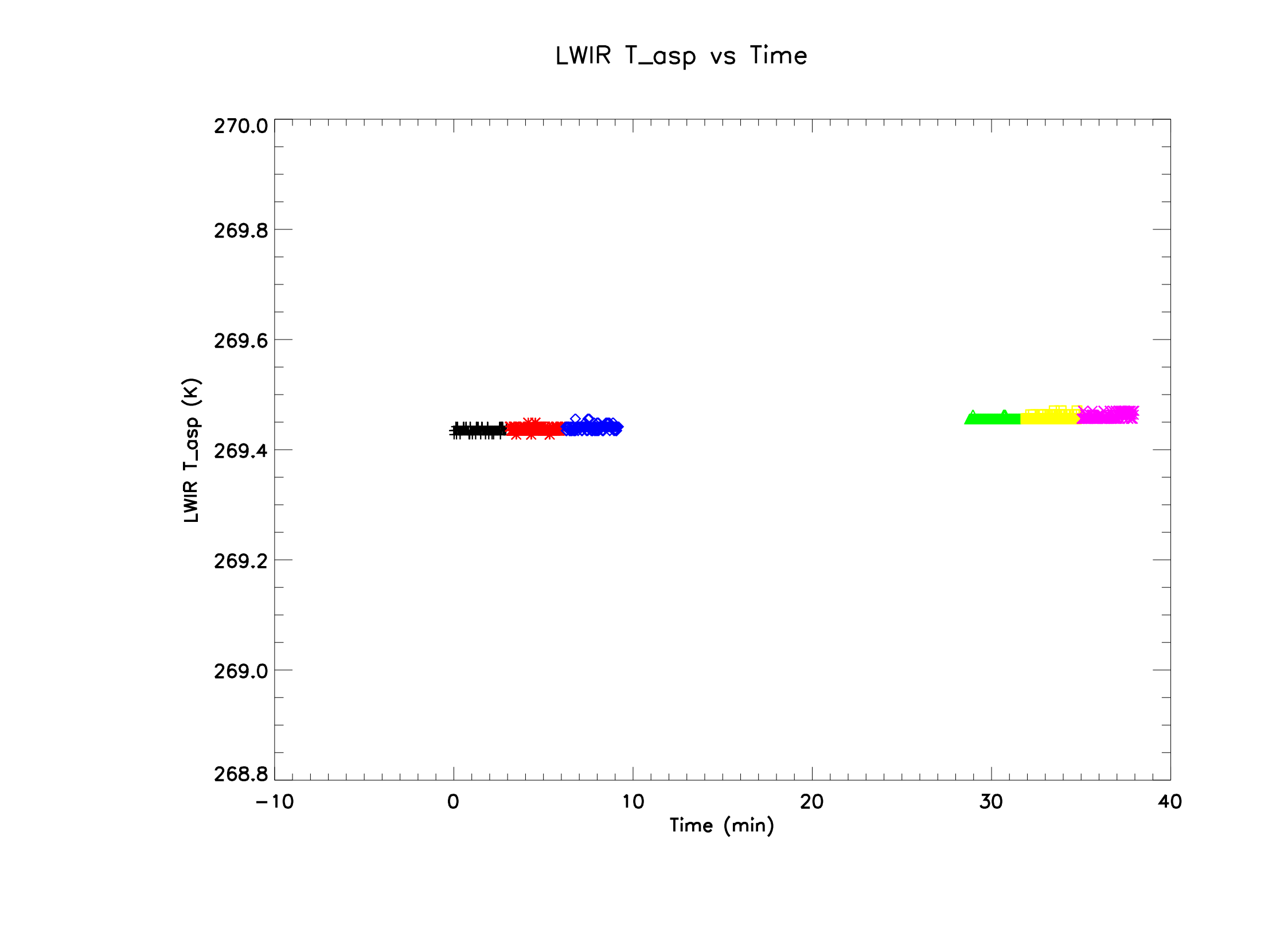

SMWIR T_asp vs Scan and Collect
271.6
271.4
271.2
271.0
270.8
270.6
270.4
SMWIR T_asp (K)
0
200
400
600
Collect*scan


SMWIR T_asp vs Time
271.6
271.4
271.2
271.0
270.8
270.6
270.4
SMWIR T_asp (K)
−10
0
10
20
30
40
Time (min)

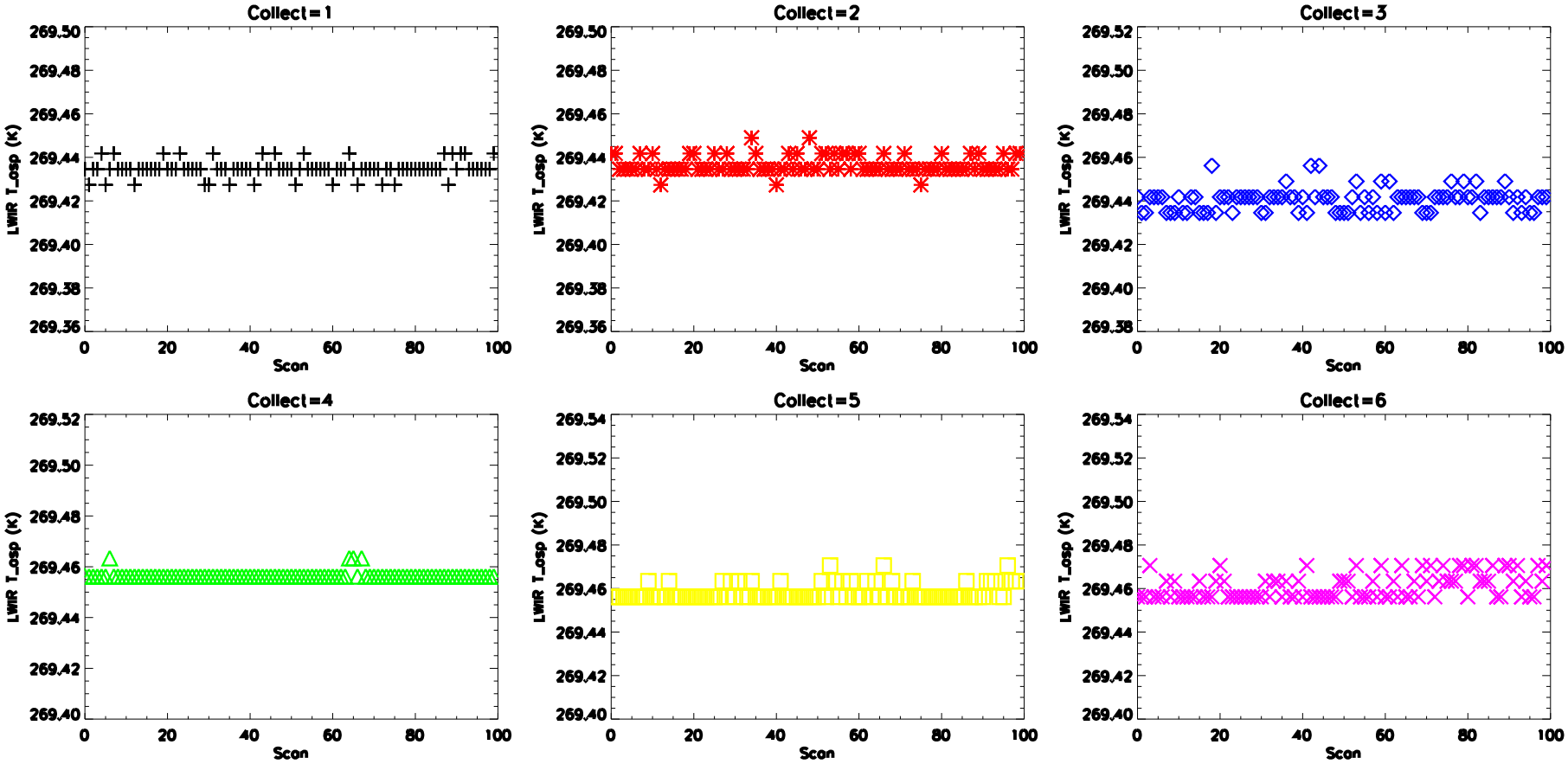
SMWIR T_asp vs Scan

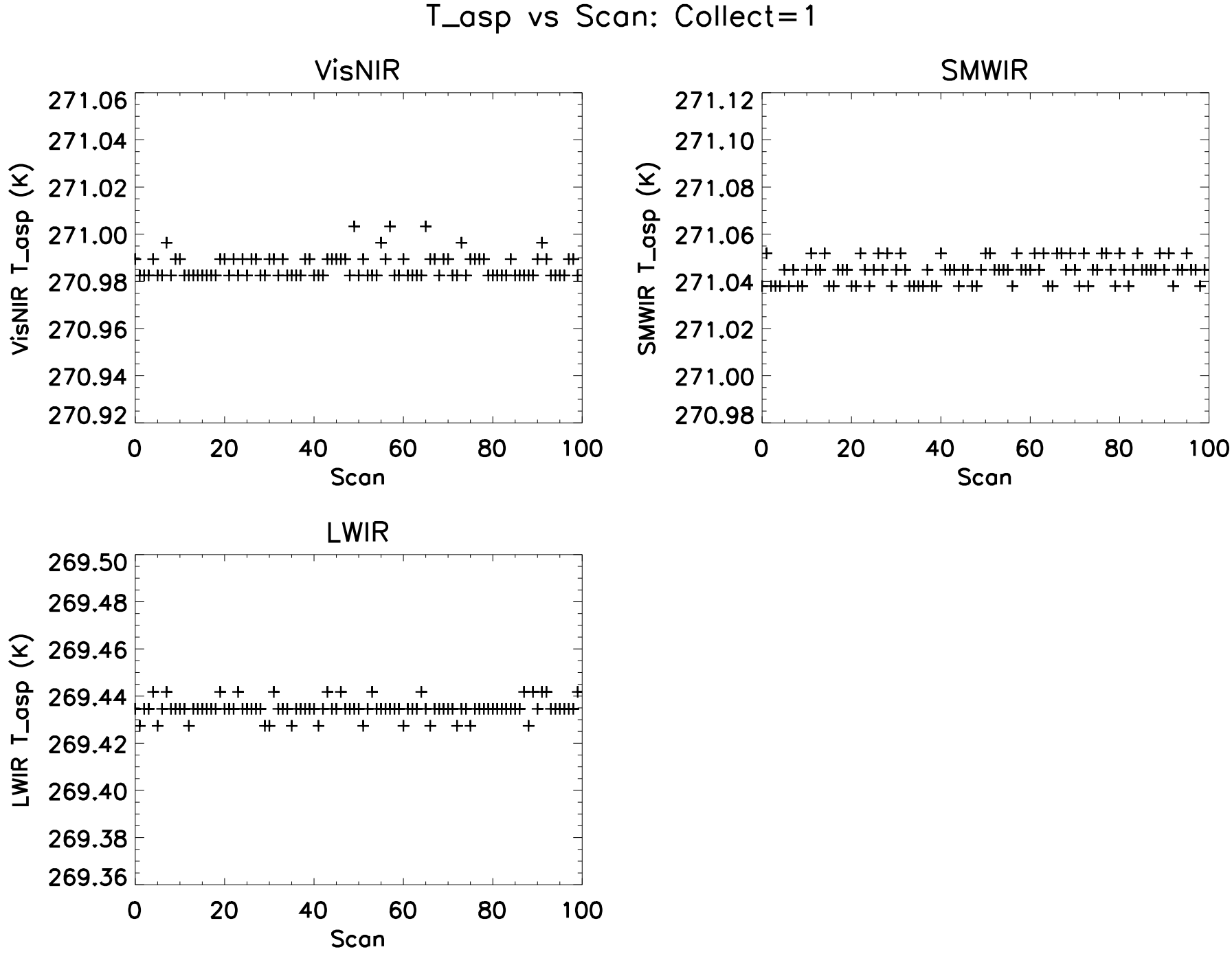


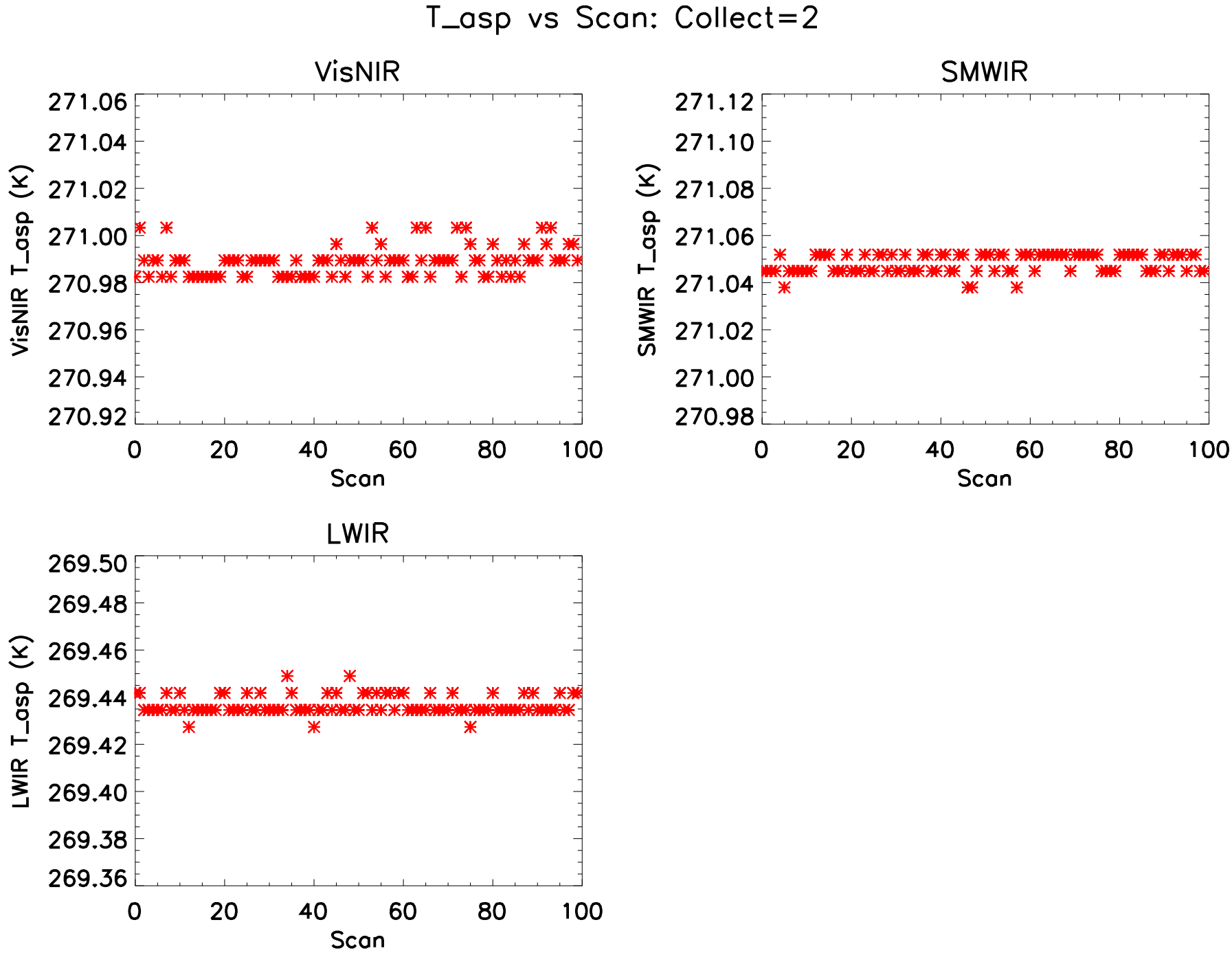

LWIR T_asp vs Scan and Collect
270.0
269.8
269.6
269.4
269.2
269.0
268.8
LWIR T_asp (K)
0
200
400
600
Collect*scan

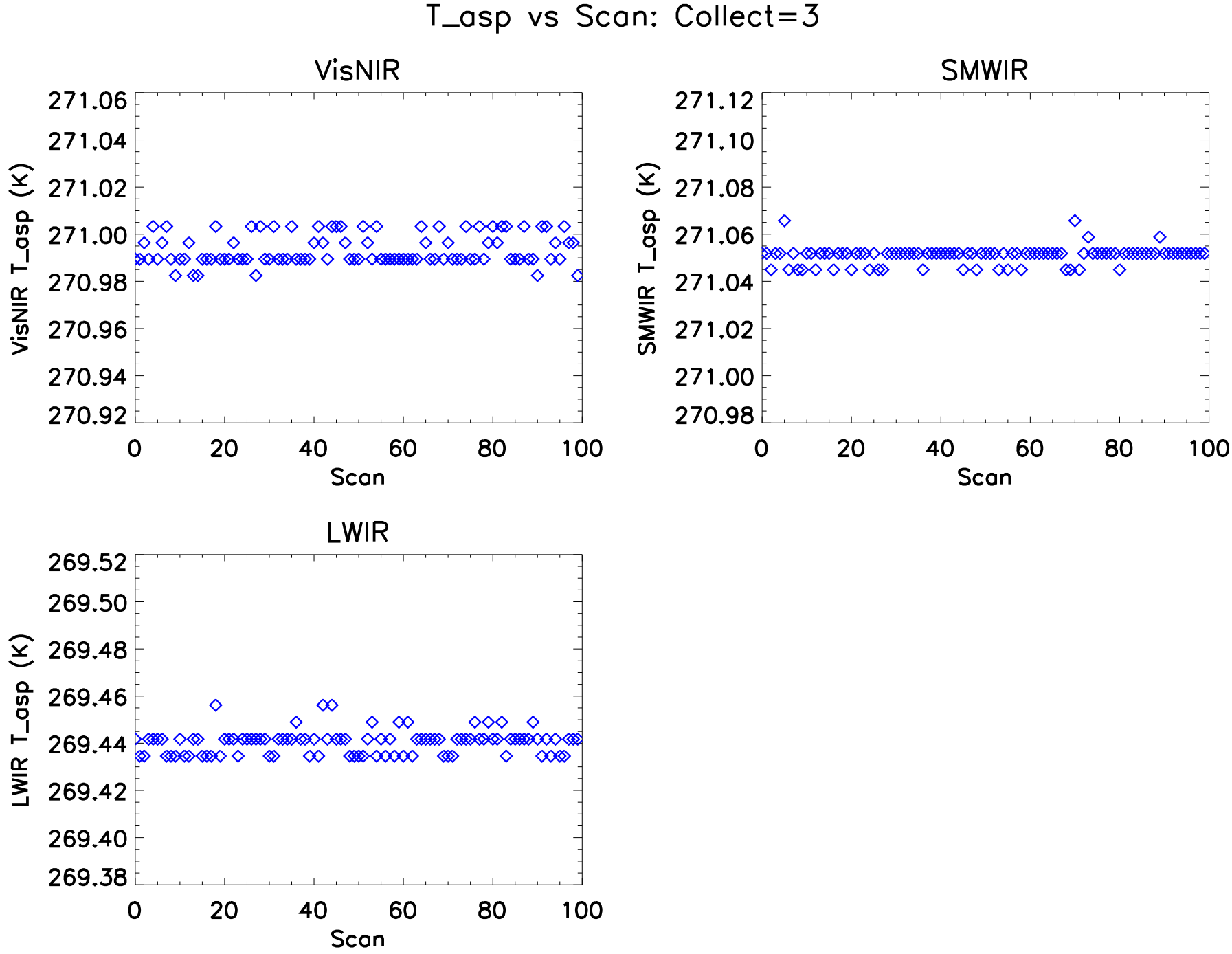

LWIR T_asp vs Time
LWIR T_asp (K)
270.0
269.8
269.6
269.4
269.2
269.0
268.8
−10
0
10
20
30
40
Time (min)

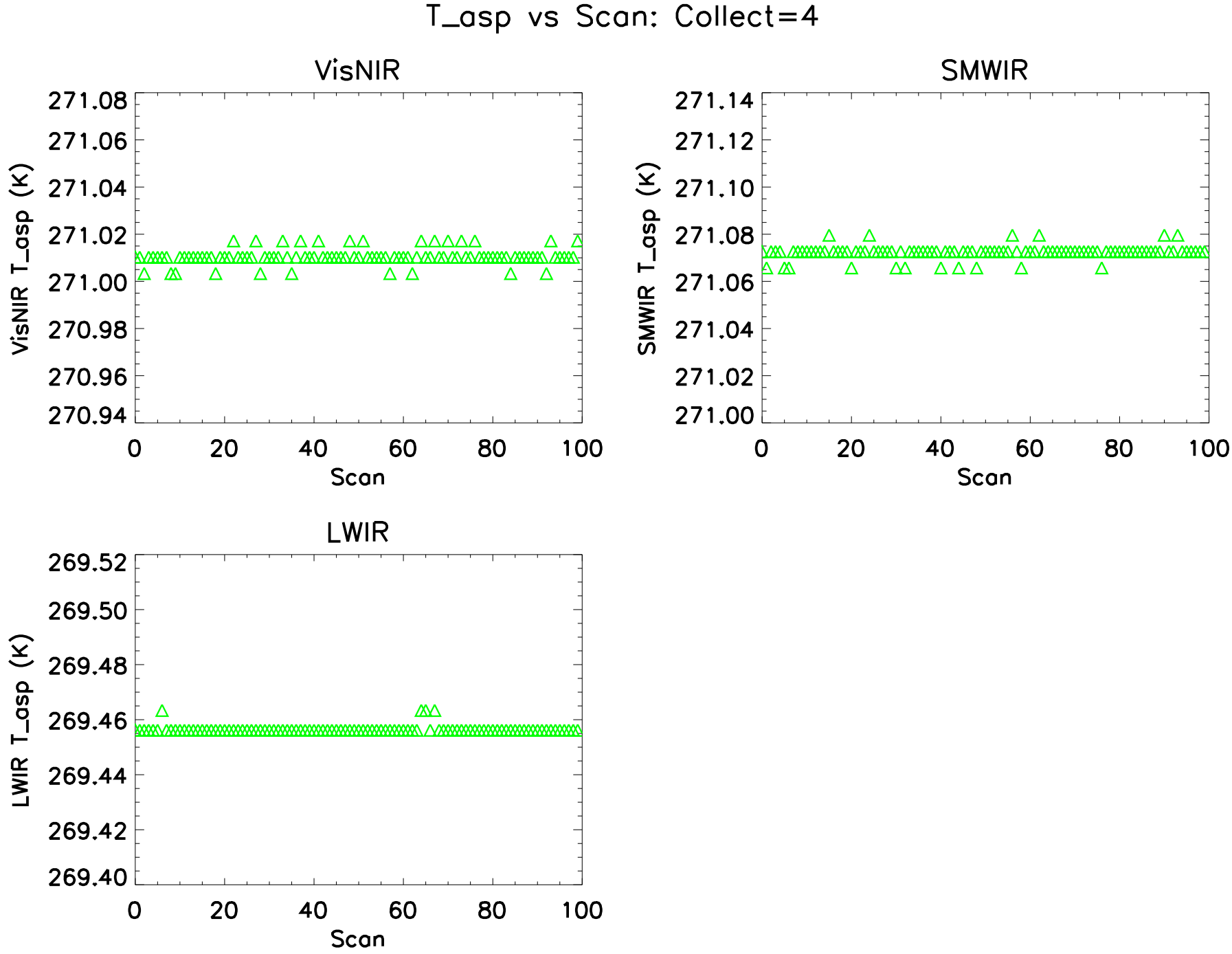
LWIR T_asp vs Scan

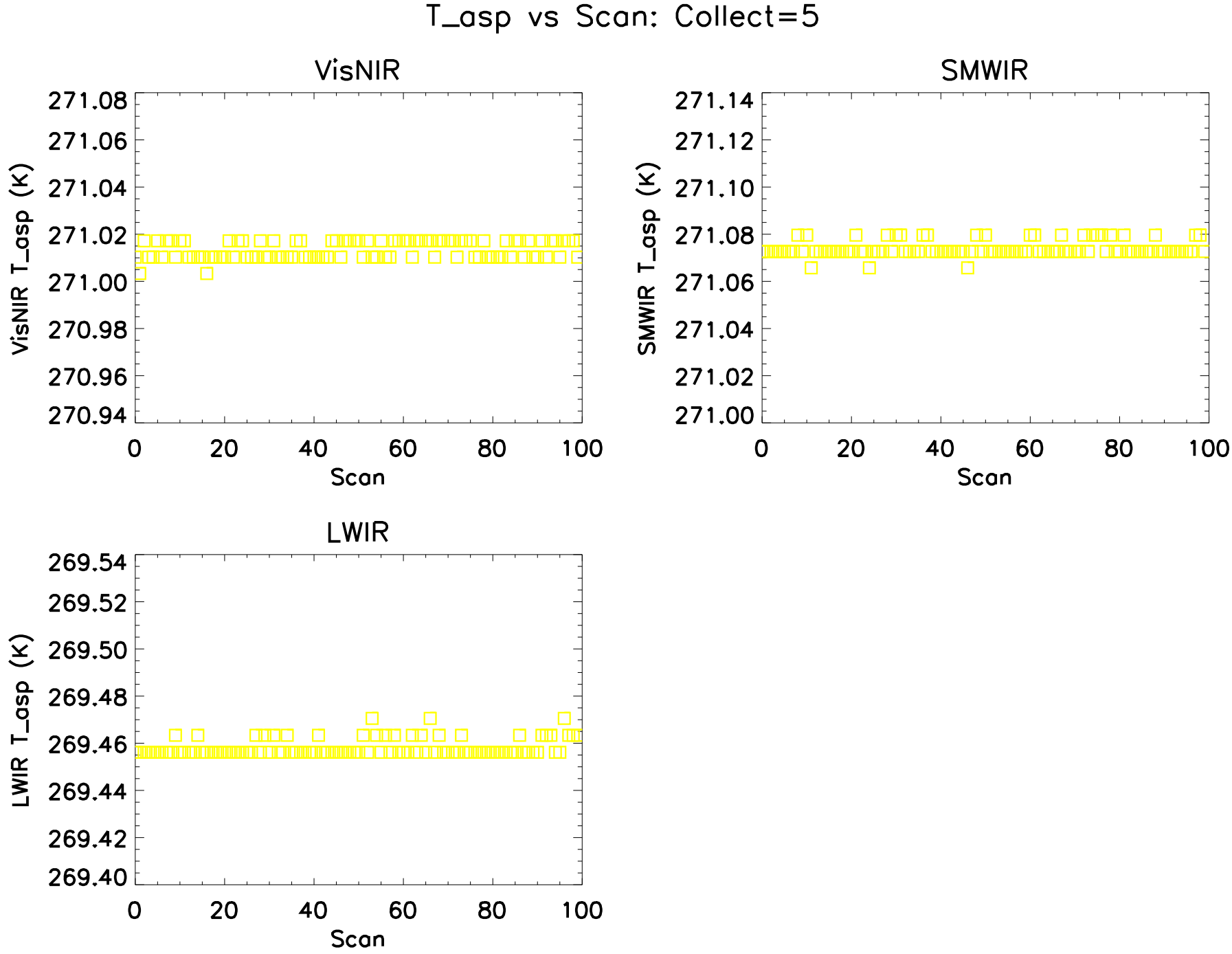


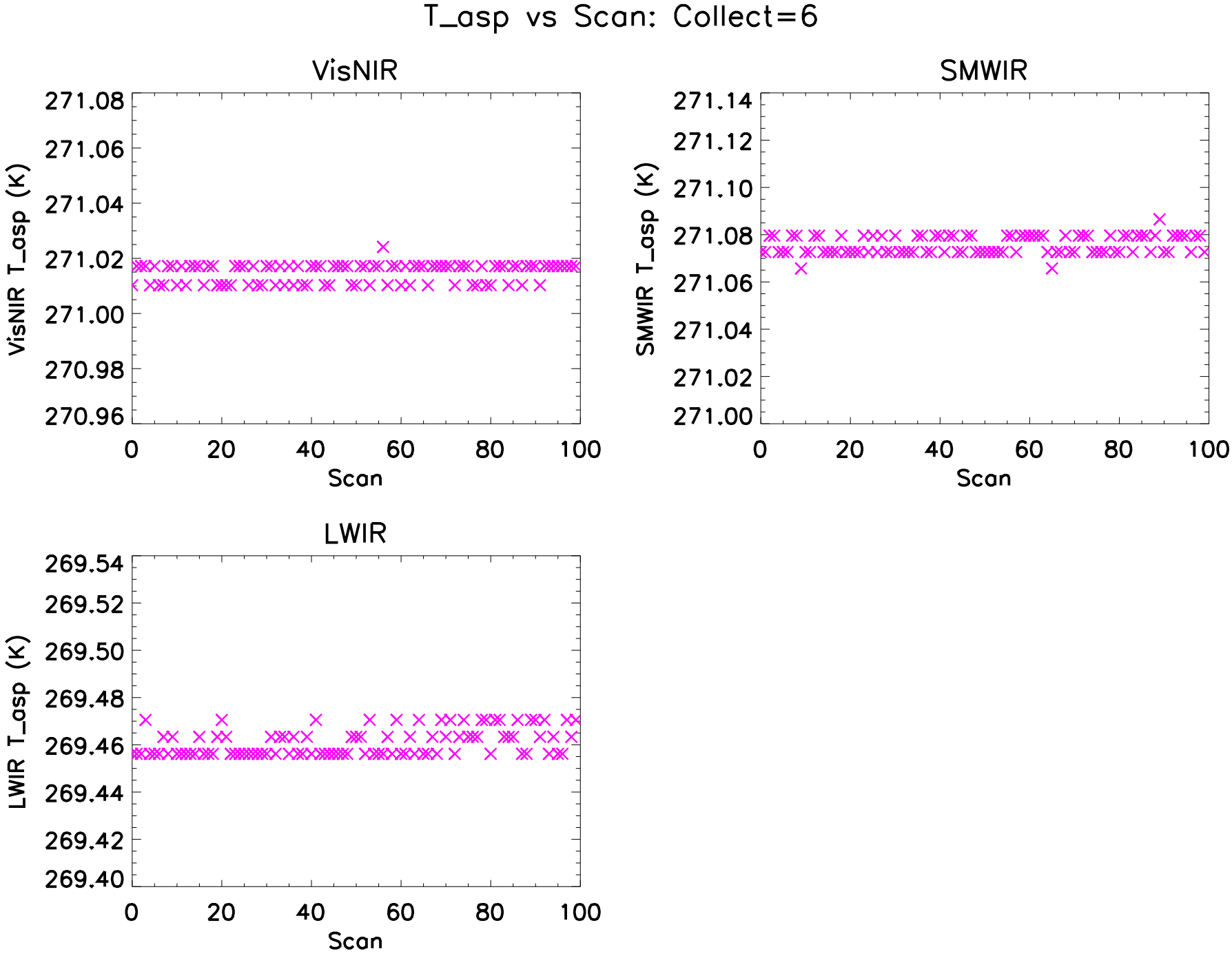

T_asp vs Scan: Collect=1
VisNIR
VisNIR T_asp (K)
271.06
271.04
271.02
271.00
270.98
270.96
270.94
270.92
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
271.12
271.10
271.08
271.06
271.04
271.02
271.00
270.98
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
269.50
269.48
269.46
269.44
269.42
269.40
269.38
269.36
0
20
40
60
80
100
Scan

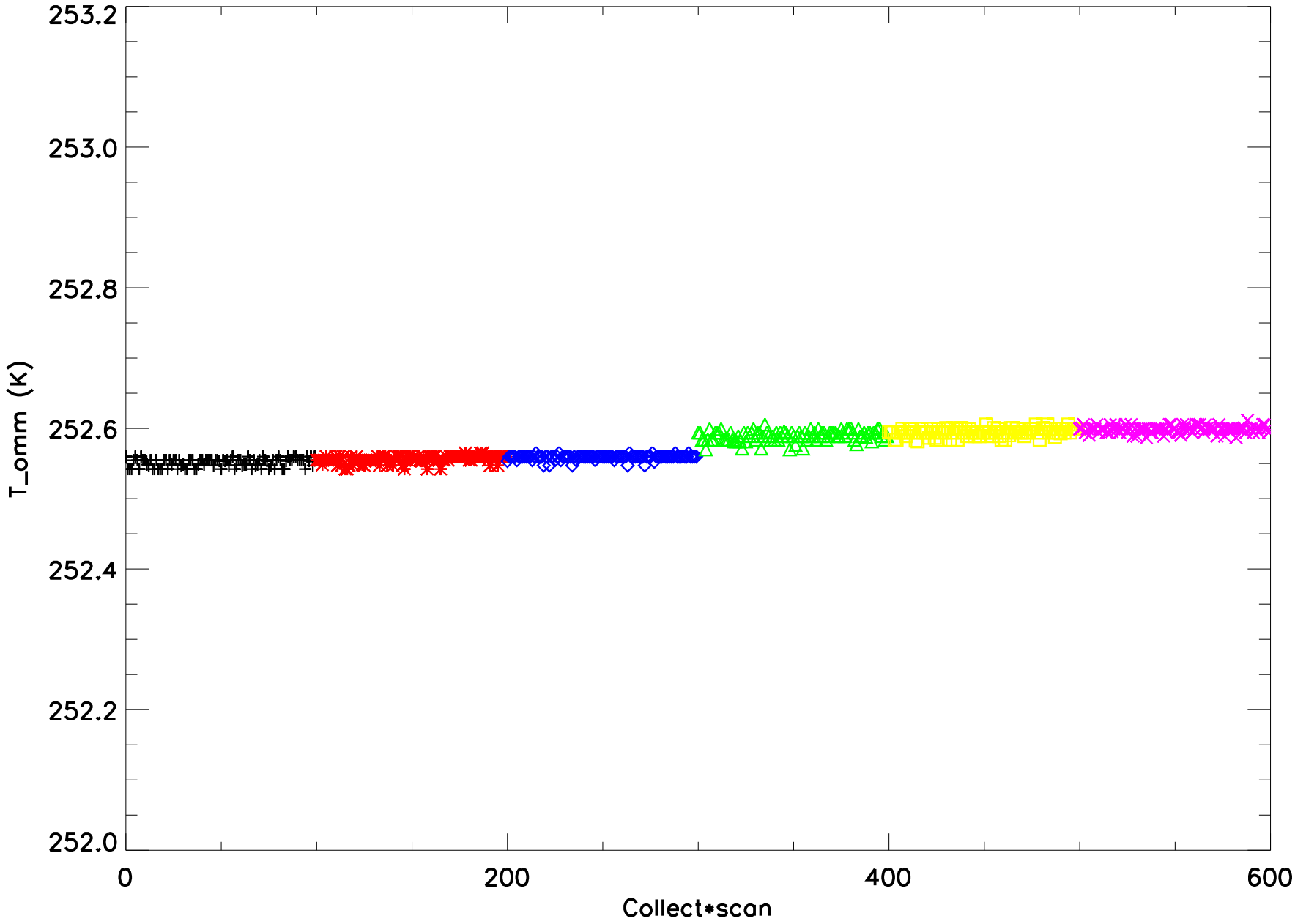

T_asp vs Scan: Collect=2
VisNIR
VisNIR T_asp (K)
271.06
271.04
271.02
271.00
270.98
270.96
270.94
270.92
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
271.12
271.10
271.08
271.06
271.04
271.02
271.00
270.98
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
269.50
269.48
269.46
269.44
269.42
269.40
269.38
269.36
0
20
40
60
80
100
Scan

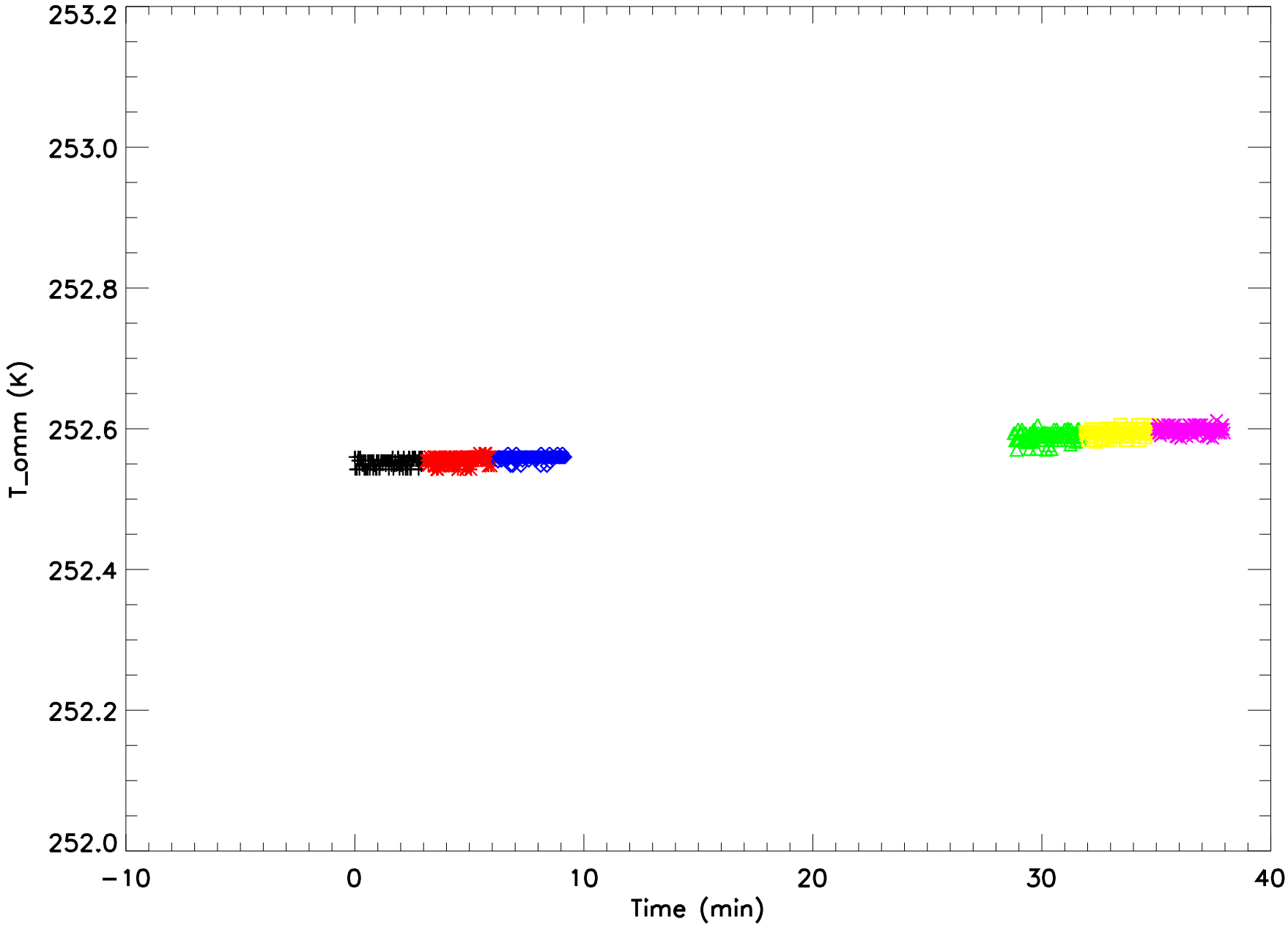

T_asp vs Scan: Collect=3
VisNIR
271.06
271.04
271.02
271.00
270.98
270.96
270.94
270.92
VisNIR T_asp (K)
0
20
40
60
80
100
Scan
SMWIR
271.12
271.10
271.08
271.06
271.04
271.02
271.00
270.98
SMWIR T_asp (K)
0
20
40
60
80
100
Scan
LWIR
269.52
269.50
269.48
269.46
269.44
269.42
269.40
269.38
LWIR T_asp (K)
0
20
40
60
80
100
Scan


T_asp vs Scan: Collect=4
VisNIR
VisNIR T_asp (K)
271.08
271.06
271.04
271.02
271.00
270.98
270.96
270.94
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
271.14
271.12
271.10
271.08
271.06
271.04
271.02
271.00
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
269.52
269.50
269.48
269.46
269.44
269.42
269.40
0
20
40
60
80
100
Scan

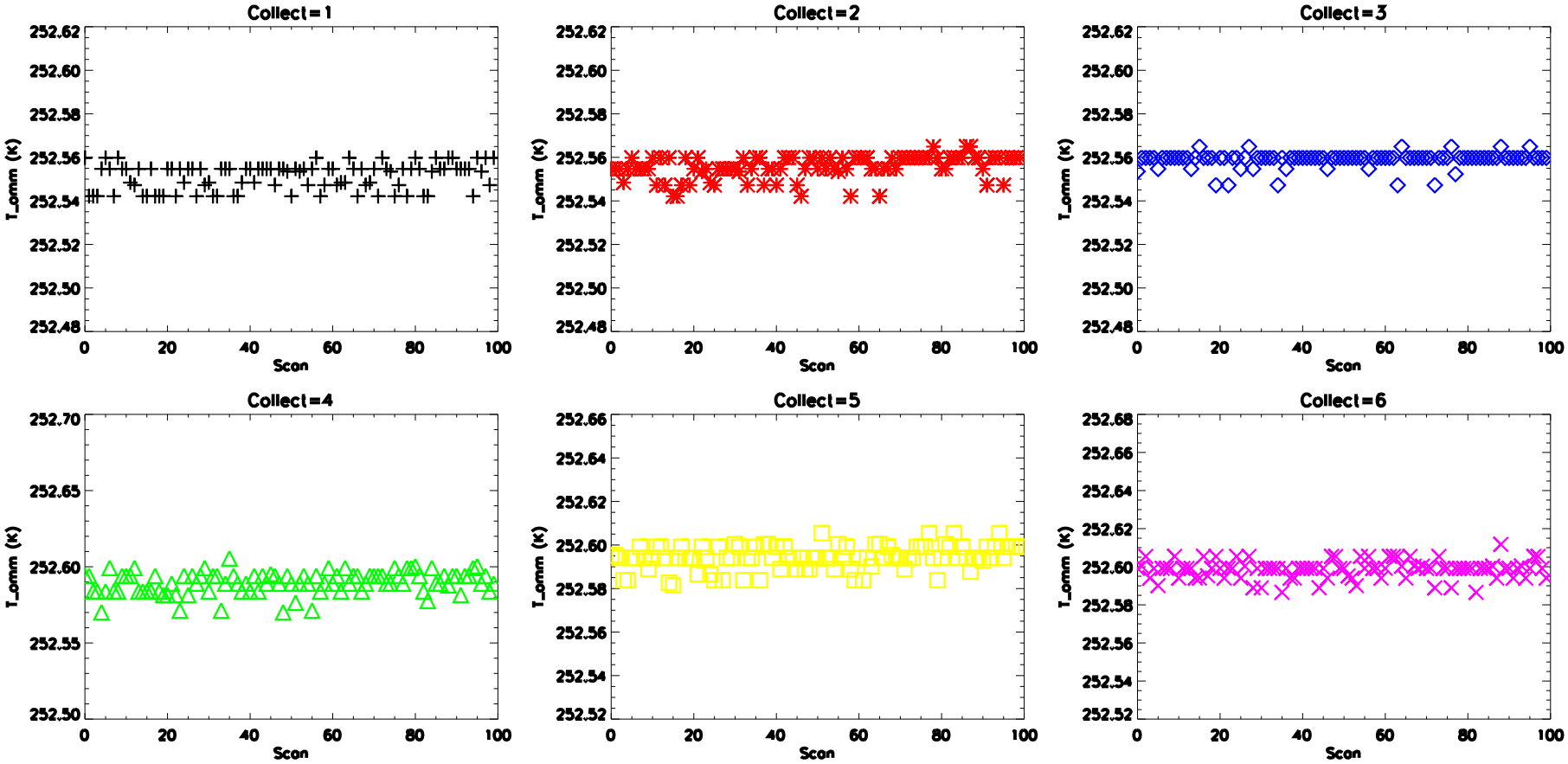

T_asp vs Scan: Collect=5
VisNIR
VisNIR T_asp (K)
271.08
271.06
271.04
271.02
271.00
270.98
270.96
270.94
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
271.14
271.12
271.10
271.08
271.06
271.04
271.02
271.00
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
269.54
269.52
269.50
269.48
269.46
269.44
269.42
269.40
0
20
40
60
80
100
Scan


T_asp vs Scan: Collect=6
VisNIR
271.08
271.06
271.04
271.02
271.00
270.98
270.96
VisNIR T_asp (K)
0
20
40
60
80
100
Scan
SMWIR
271.14
271.12
271.10
271.08
271.06
271.04
271.02
271.00
SMWIR T_asp (K)
0
20
40
60
80
100
Scan
LWIR
269.54
269.52
269.50
269.48
269.46
269.44
269.42
269.40
LWIR T_asp (K)
0
20
40
60
80
100
Scan


T_omm vs Scan and Collect
253.2
253.0
252.8
252.6
252.4
252.2
252.0
T_omm (K)
0
200
400
600
Collect*scan


T_omm vs Time
253.2
253.0
252.8
252.6
252.4
252.2
252.0
T_omm (K)
−10
0
10
20
30
40
Time (min)

T_omm vs Scan


Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
T_omm (K)
Scan