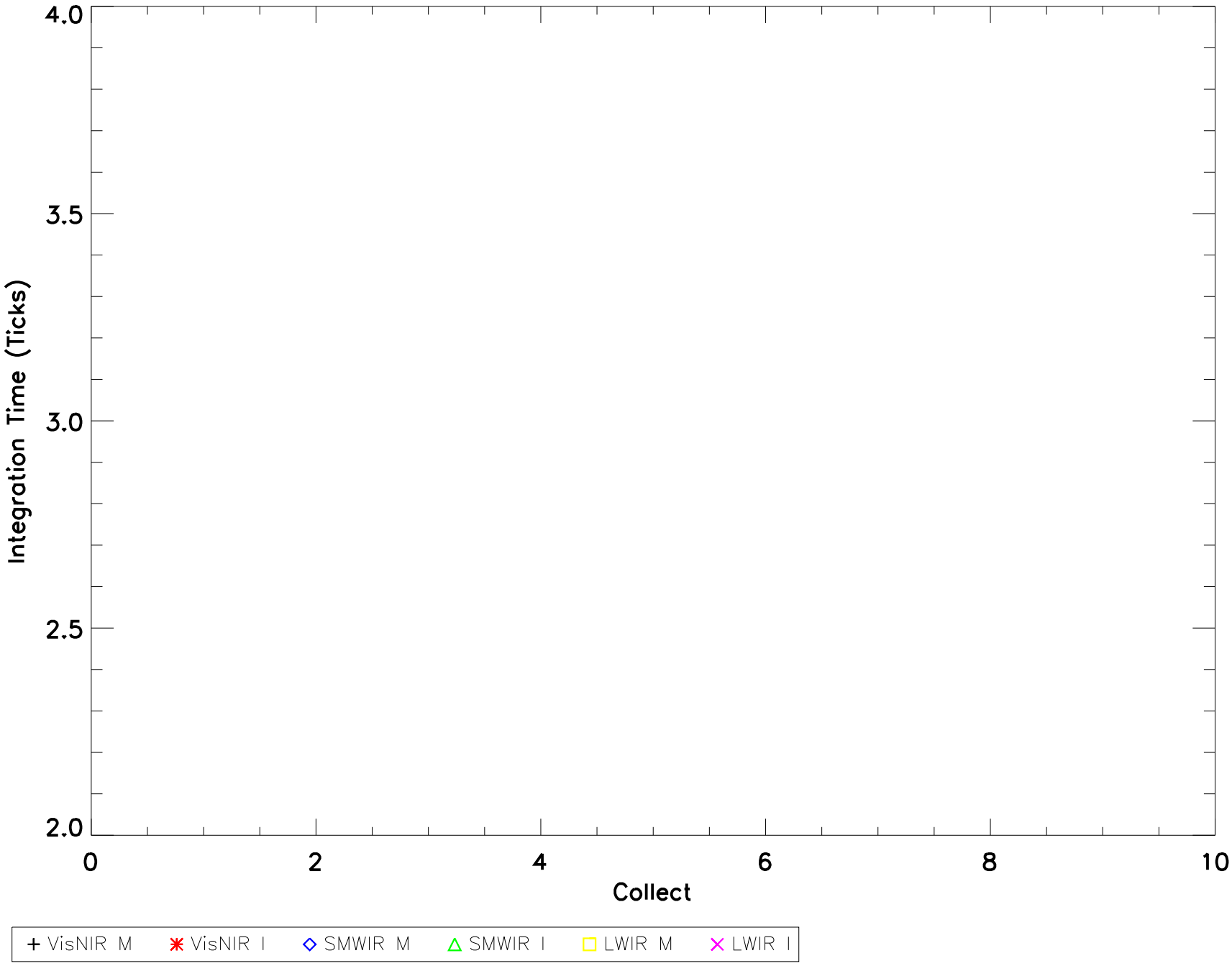
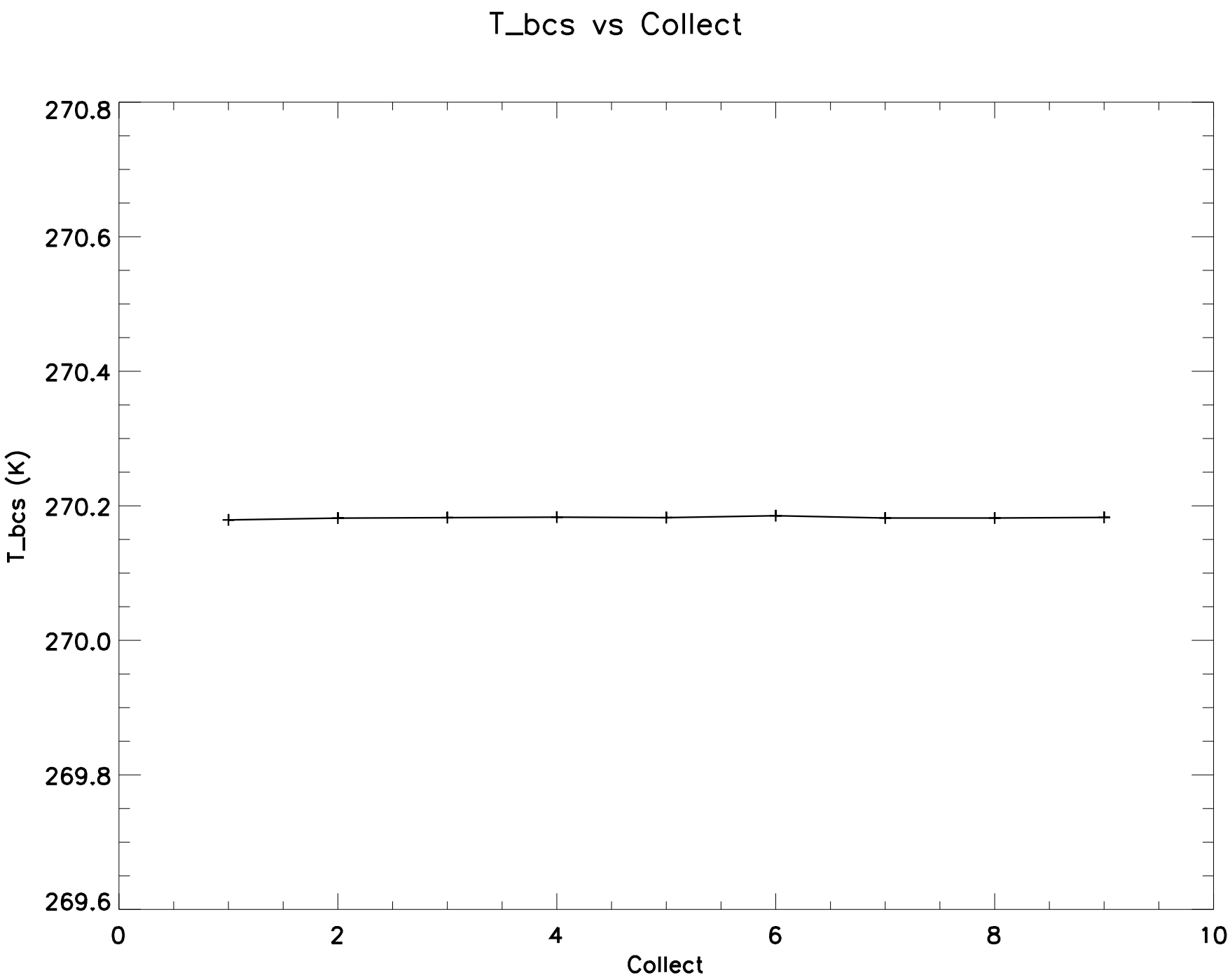
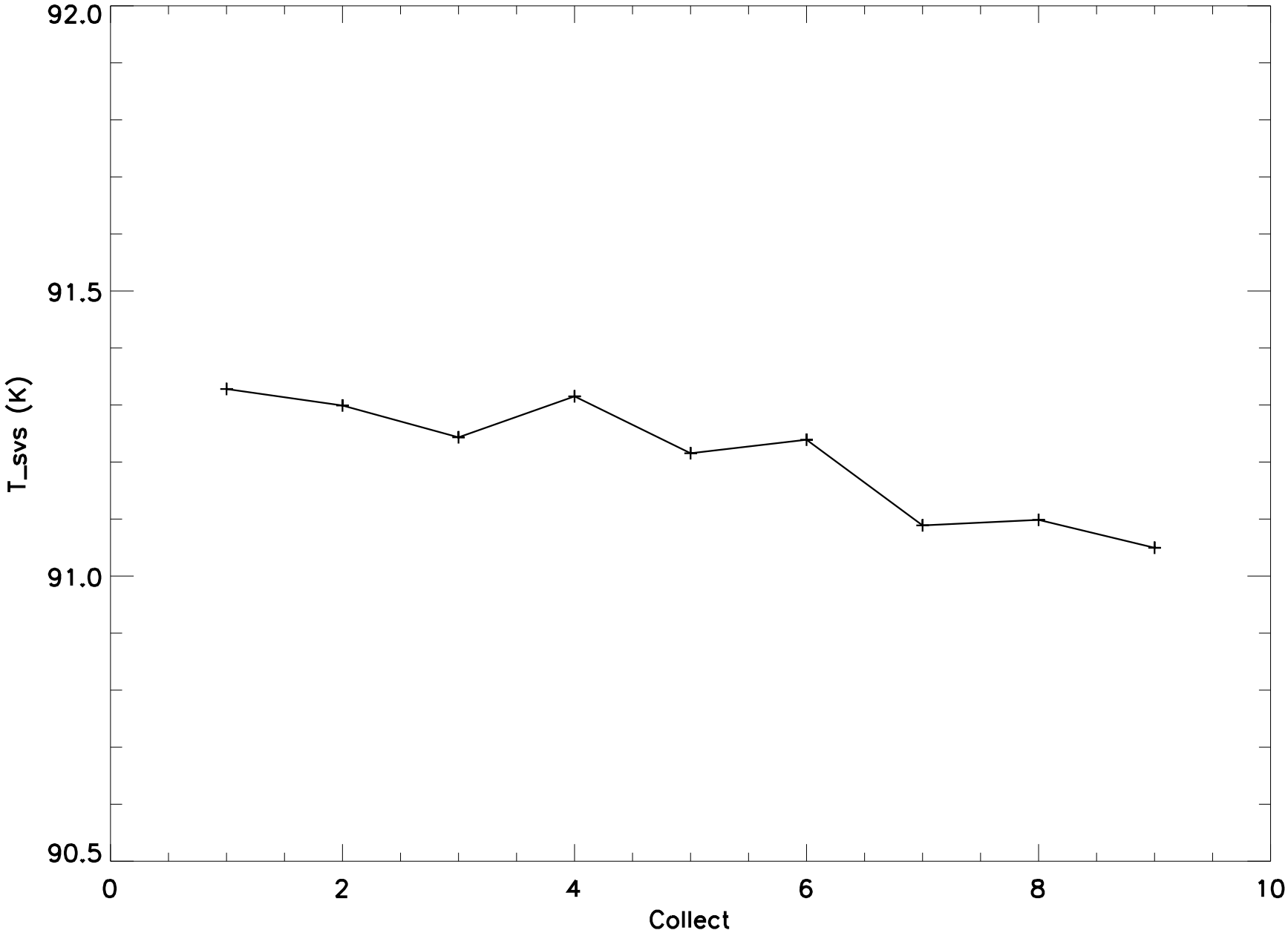
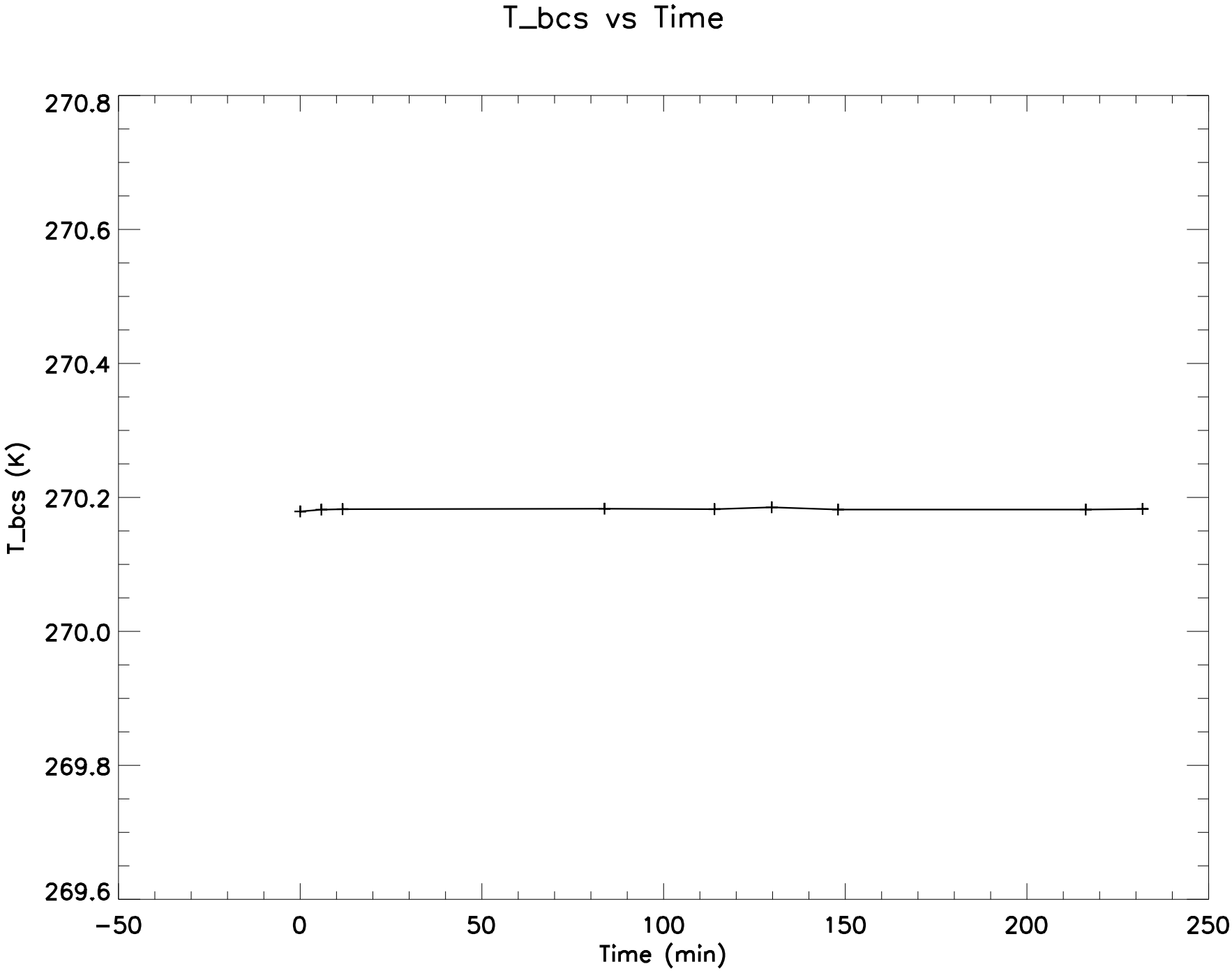
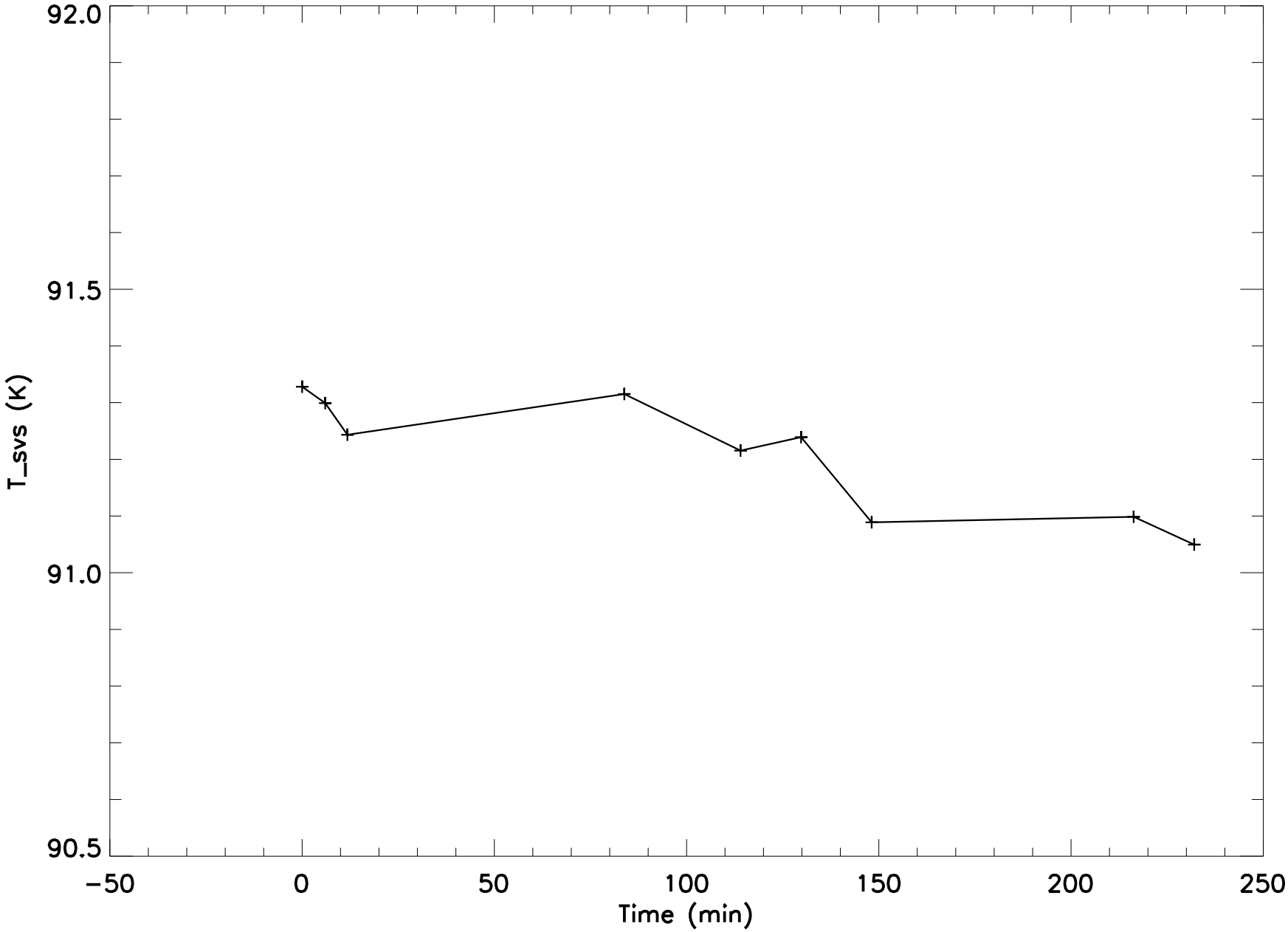
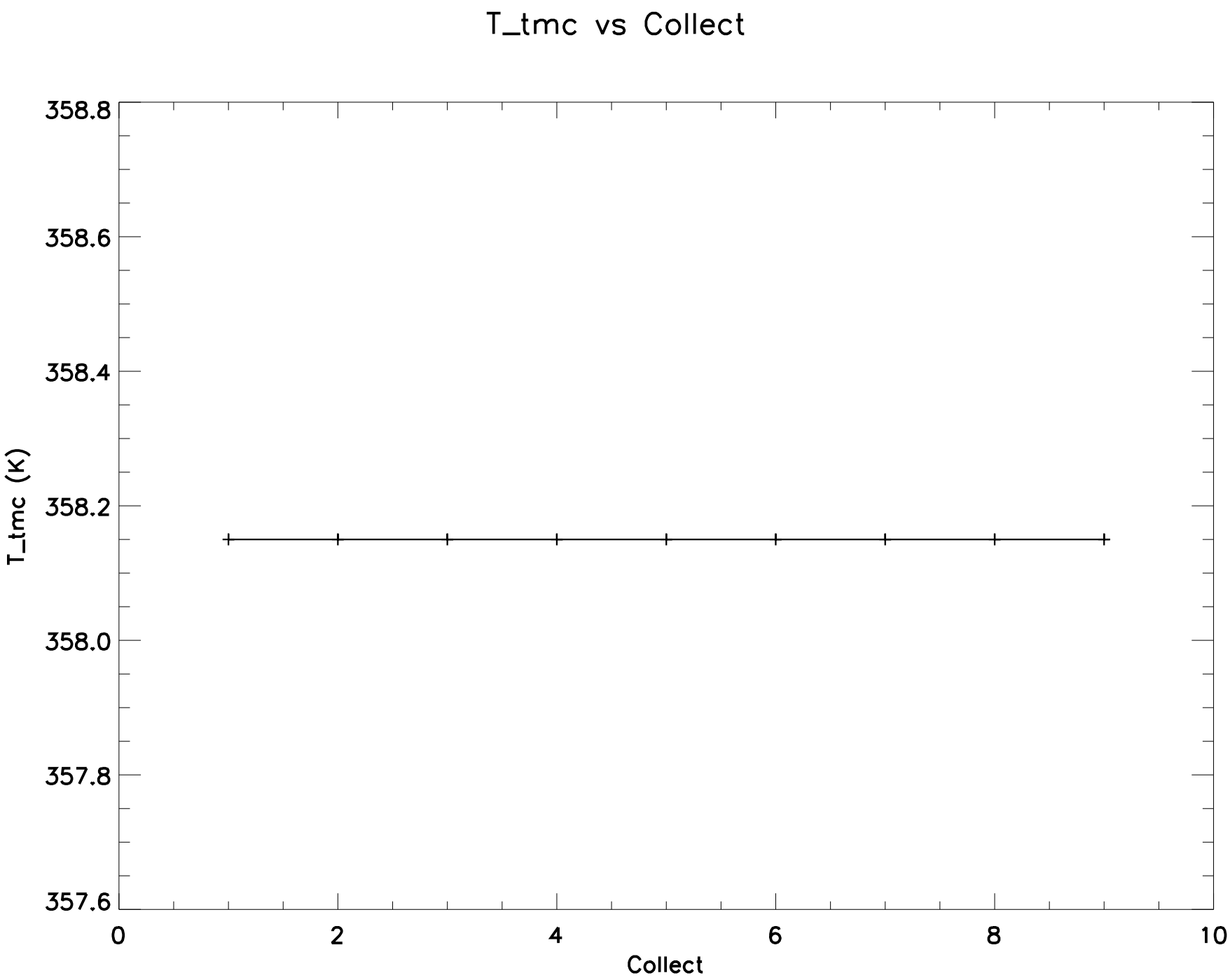

Integration Time vs Collect
Integration Time (Ticks)
4.0
3.5
3.0
2.5
2.0
0
2
4
6
8
10
Collect
VisNIR M
VisNIR I
SMWIR M
SMWIR I
LWIR M
LWIR I

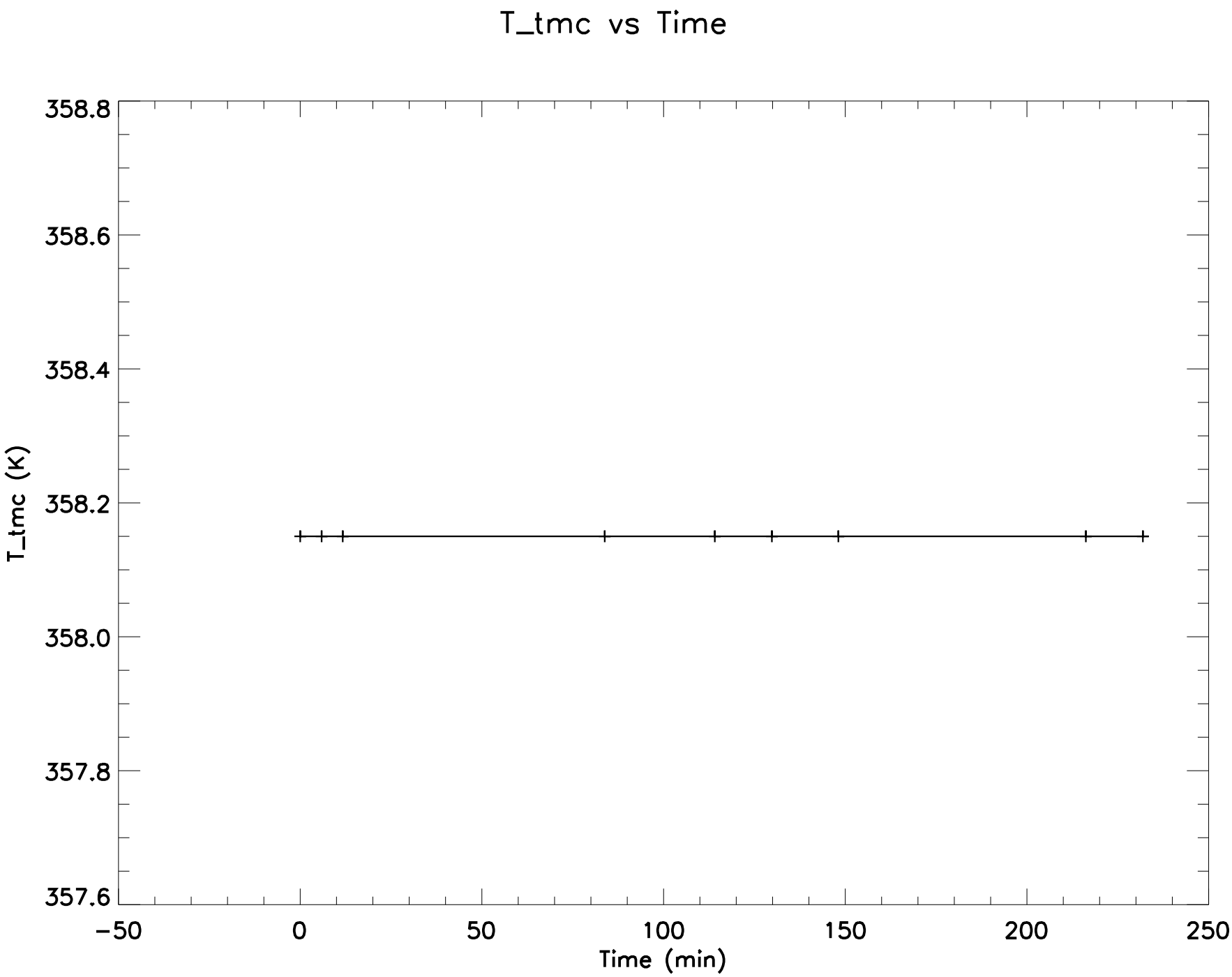

T_bcs vs Collect
270.8
270.6
270.4
270.2
270.0
269.8
269.6
T_bcs (K)
0
2
4
6
8
10
Collect

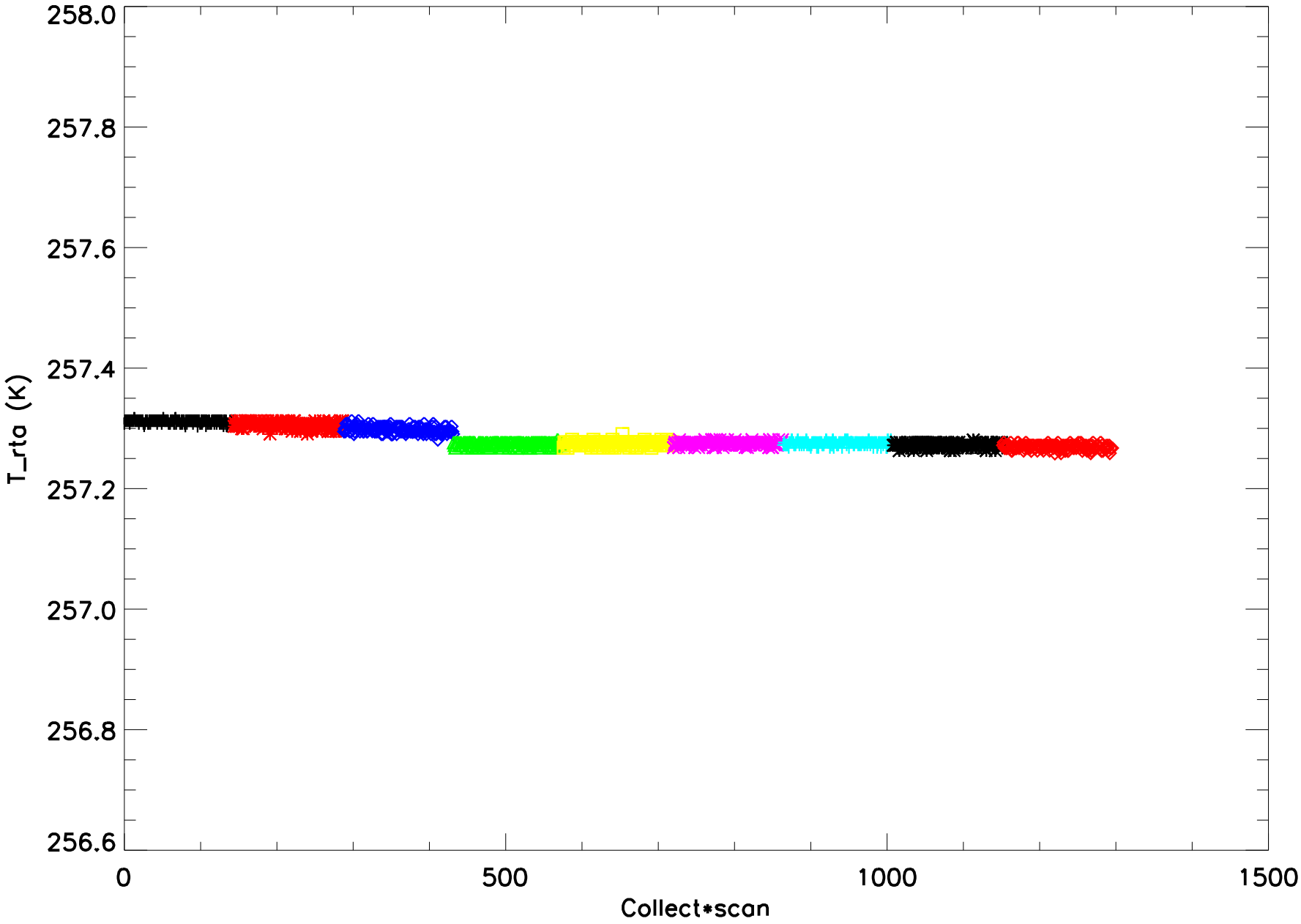

T_svs vs Collect
92.0
91.5
91.0
90.5
T_svs (K)
0
2
4
6
8
10
Collect

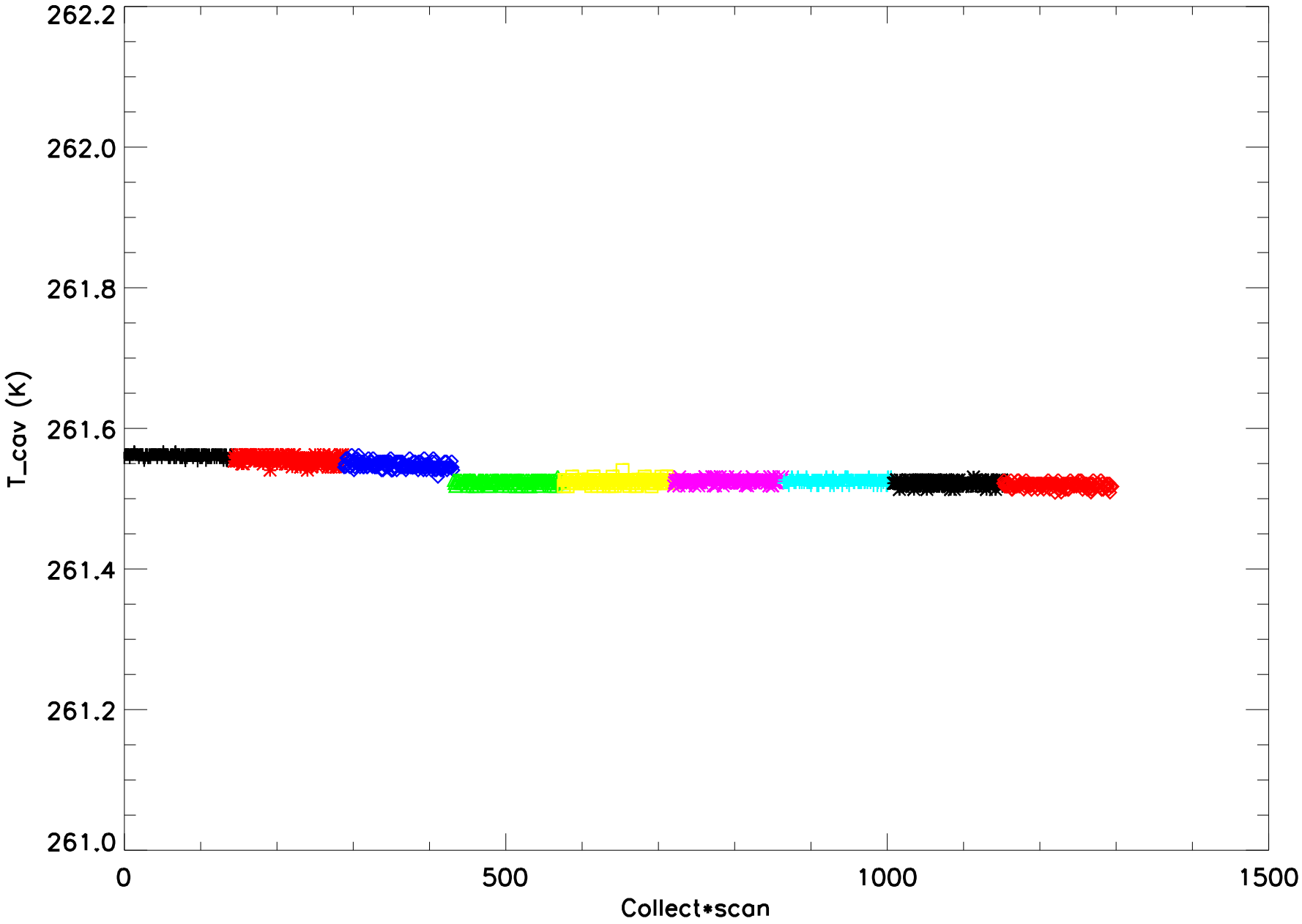

T_bcs vs Time
270.8
270.6
270.4
270.2
270.0
269.8
269.6
T_bcs (K)
−50
0
50
100
150
200
250
Time (min)

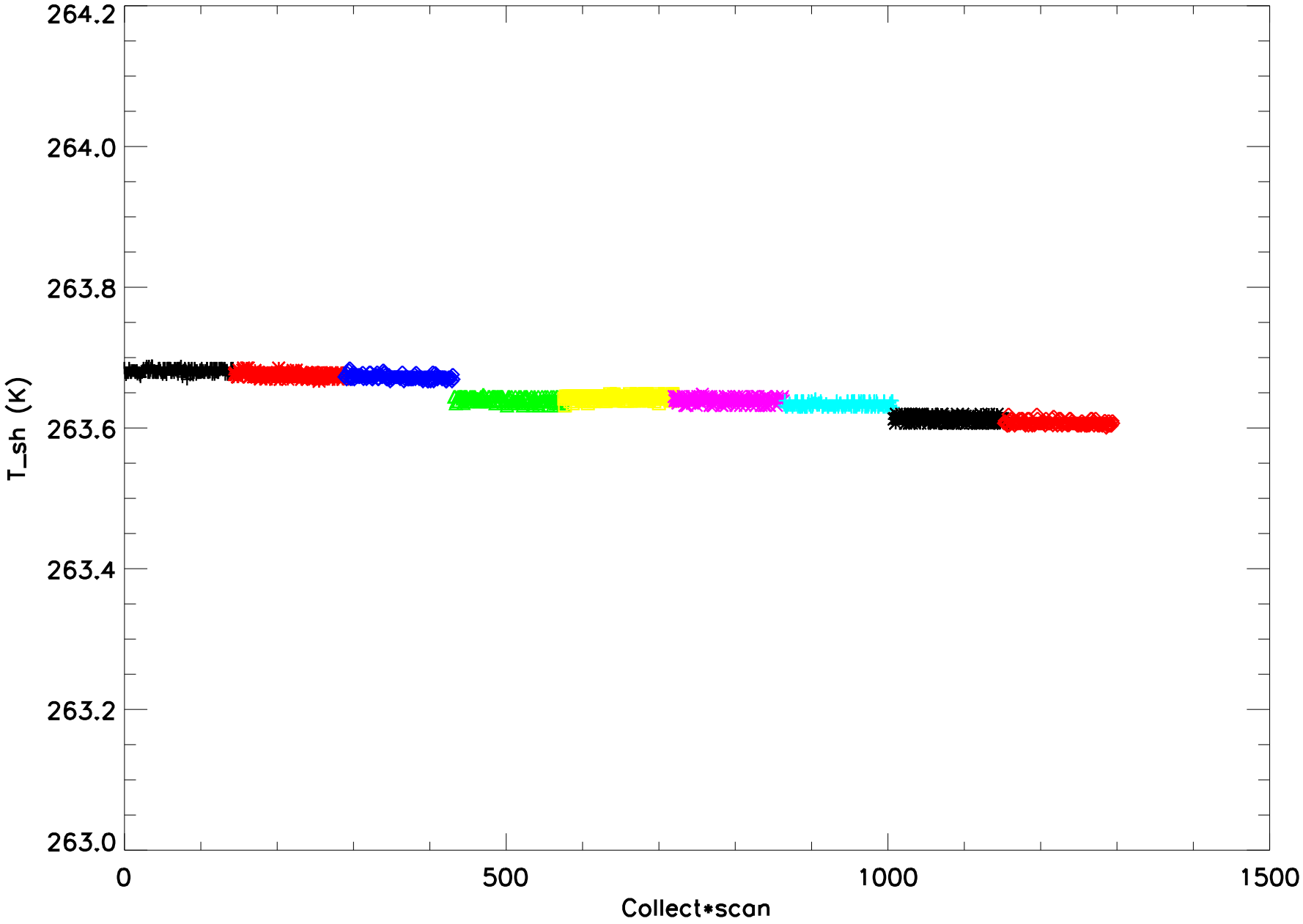

T_svs vs Time
92.0
91.5
91.0
90.5
T_svs (K)
−50
0
50
100
150
200
250
Time (min)

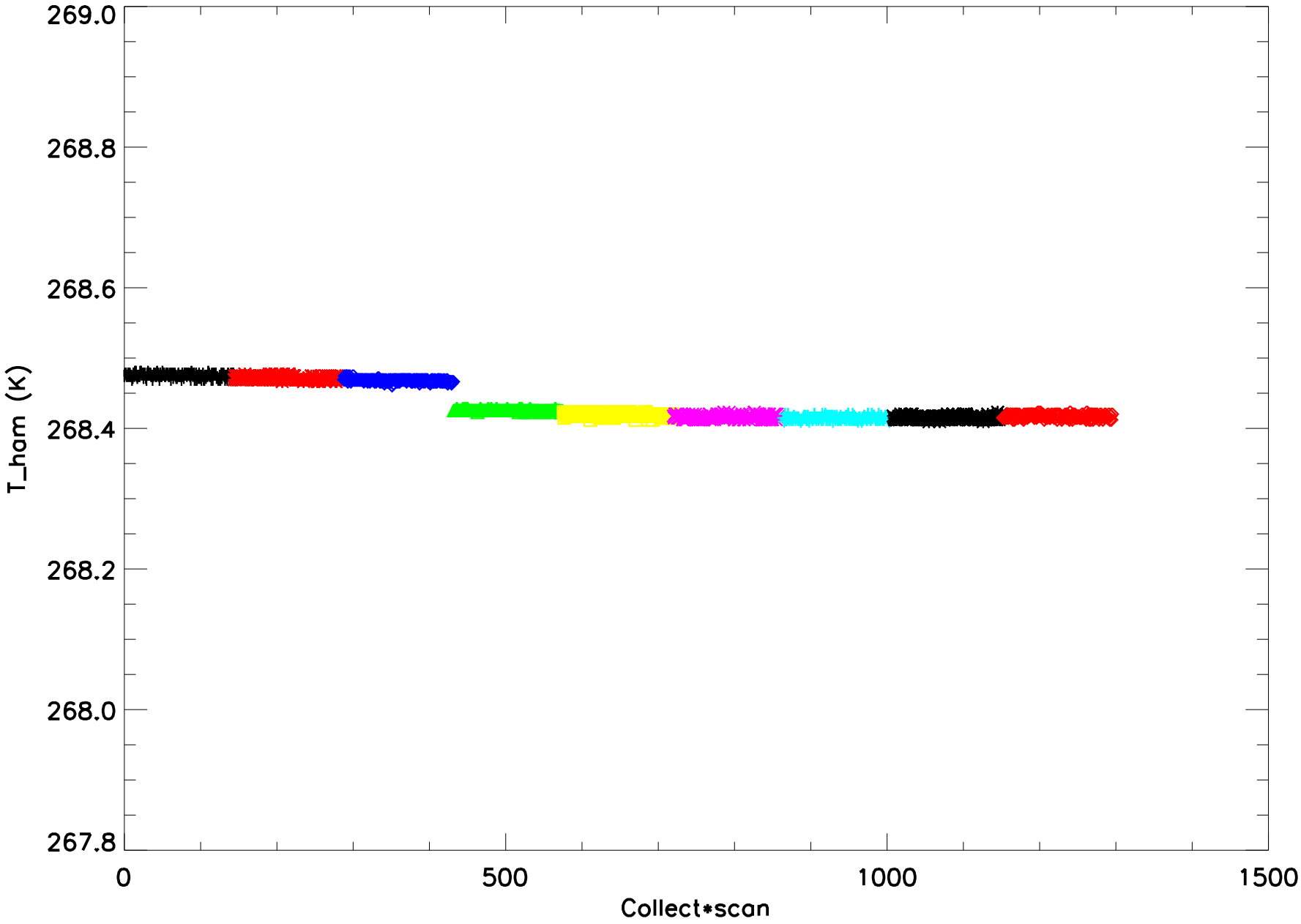

T_tmc vs Collect
358.8
358.6
358.4
358.2
358.0
357.8
357.6
T_tmc (K)
0
2
4
6
8
10
Collect

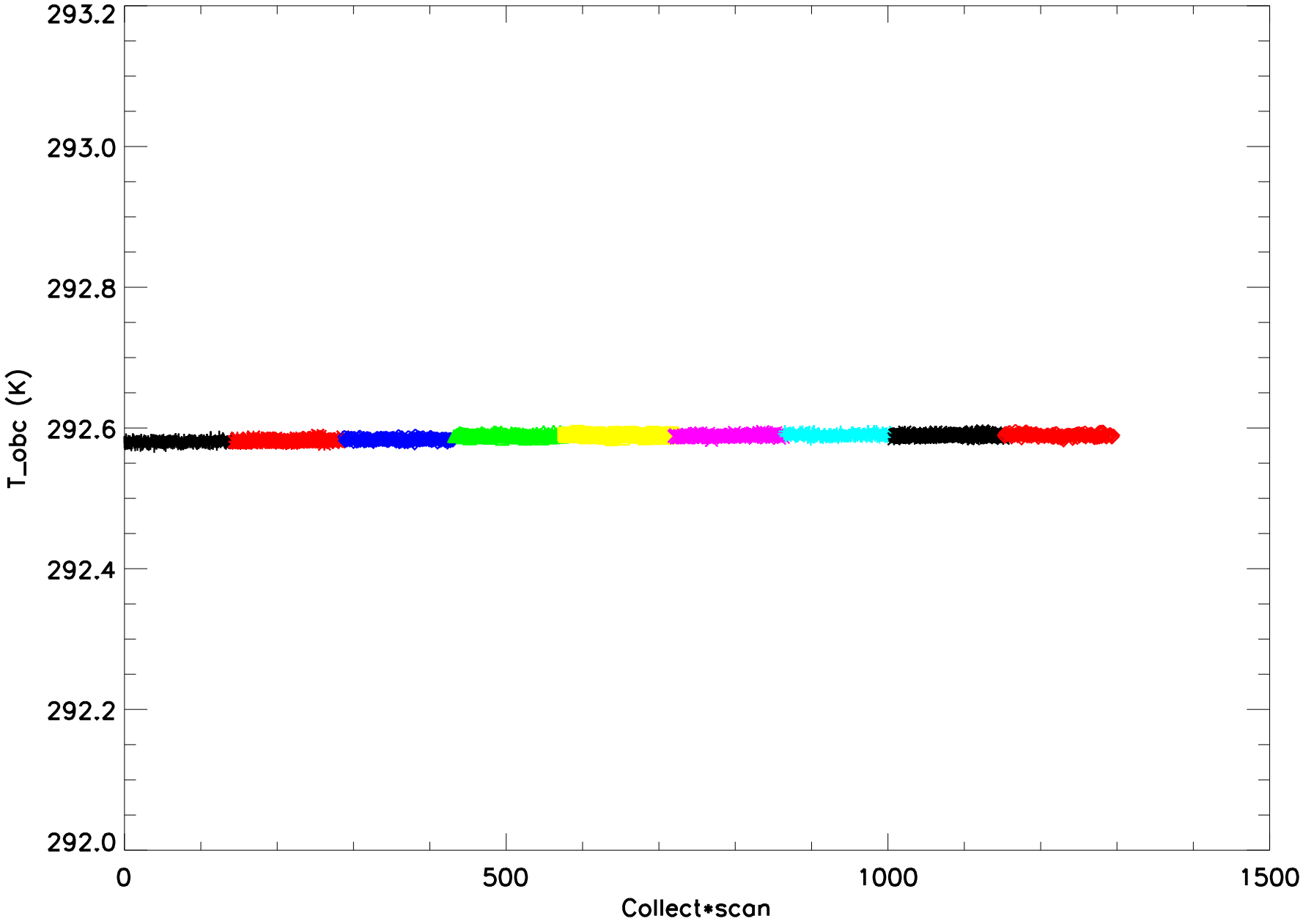

T_tmc vs Time
358.8
358.6
358.4
358.2
358.0
357.8
357.6
T_tmc (K)
−50
0
50
100
150
200
250
Time (min)

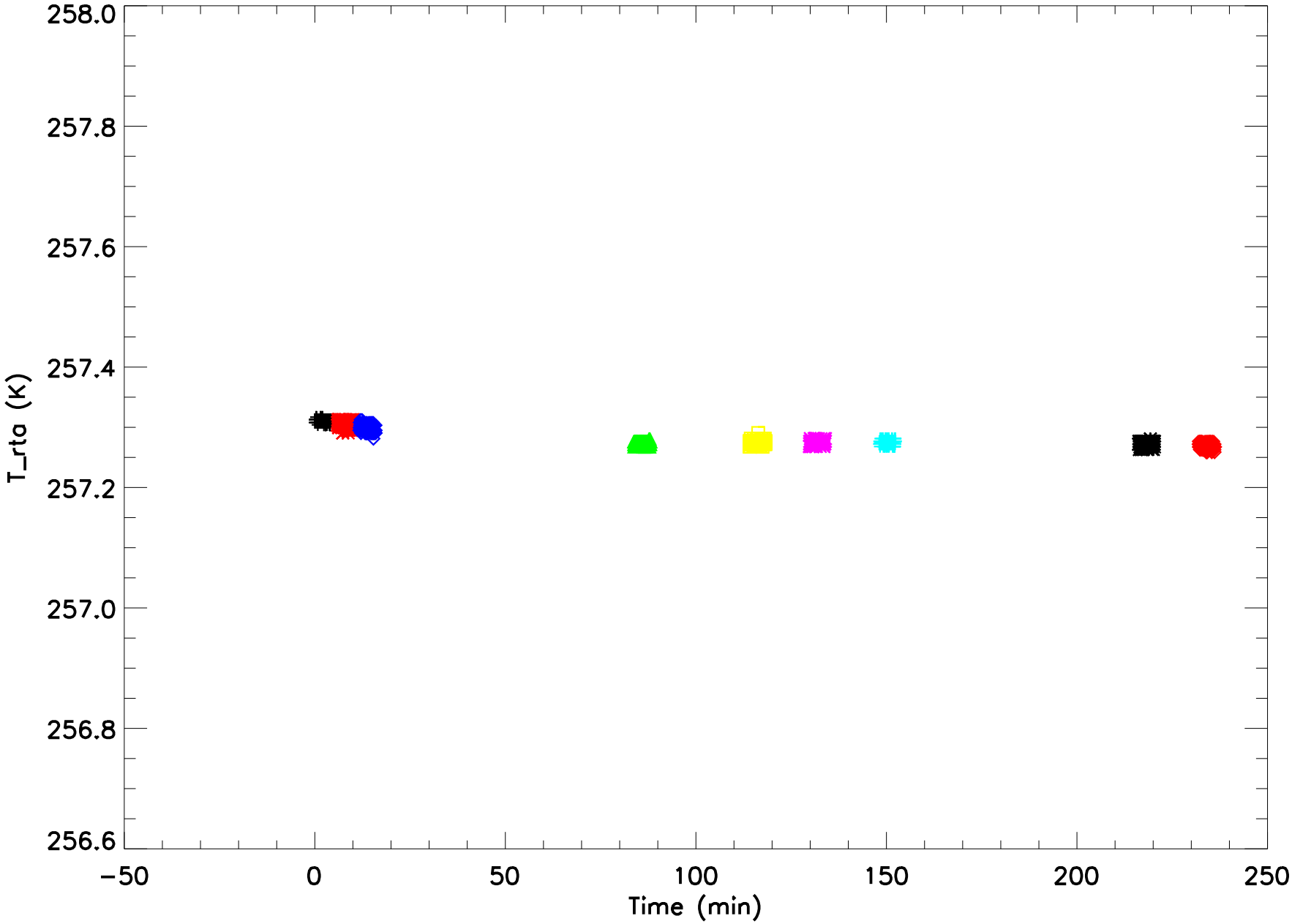

T_rta vs Scan and Collect
258.0
257.8
257.6
257.4
257.2
257.0
256.8
256.6
T_rta (K)
0
500
1000
1500
Collect*scan

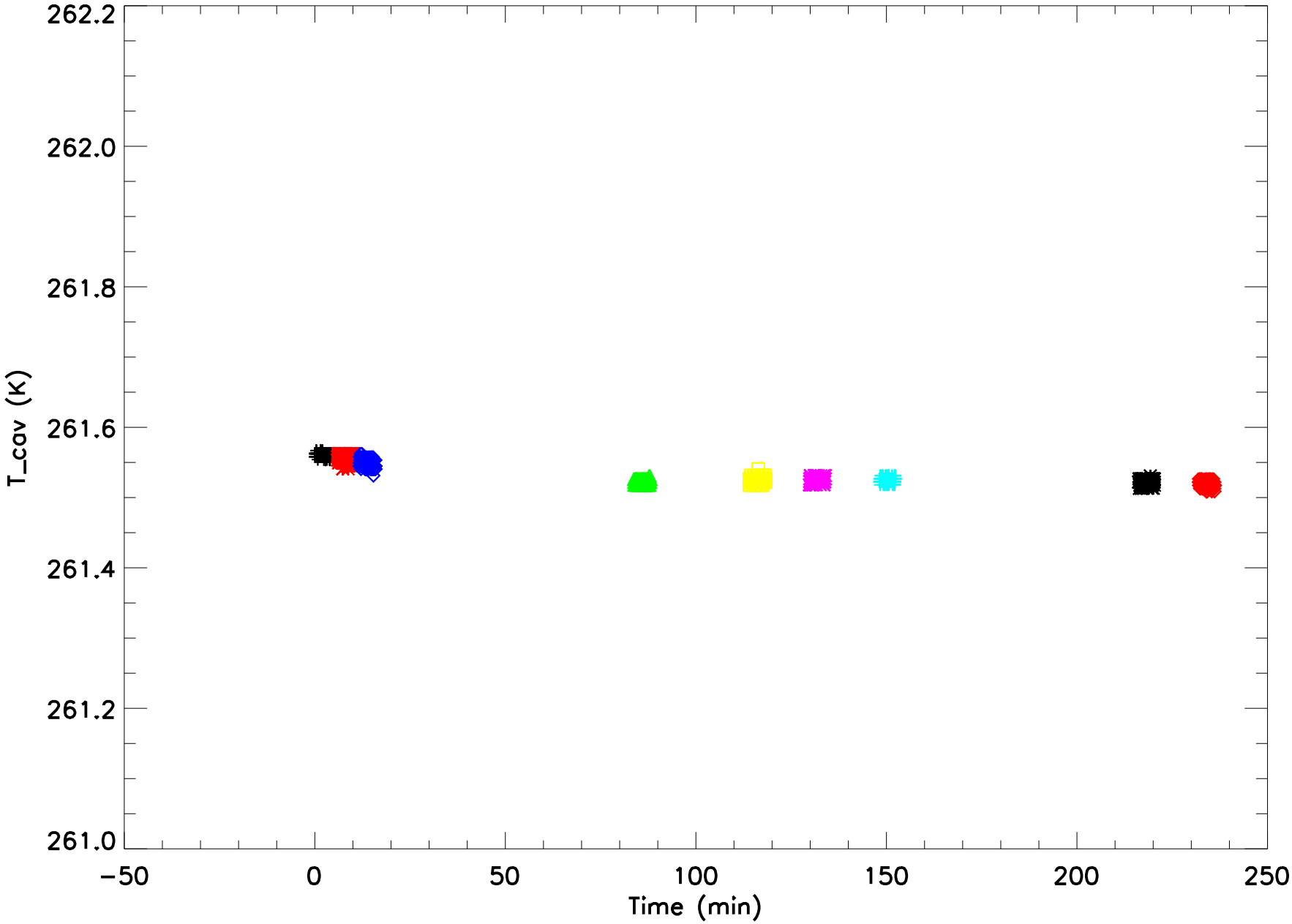

T_cav vs Scan and Collect
262.2
262.0
261.8
261.6
261.4
261.2
261.0
T_cav (K)
0
500
1000
1500
Collect*scan

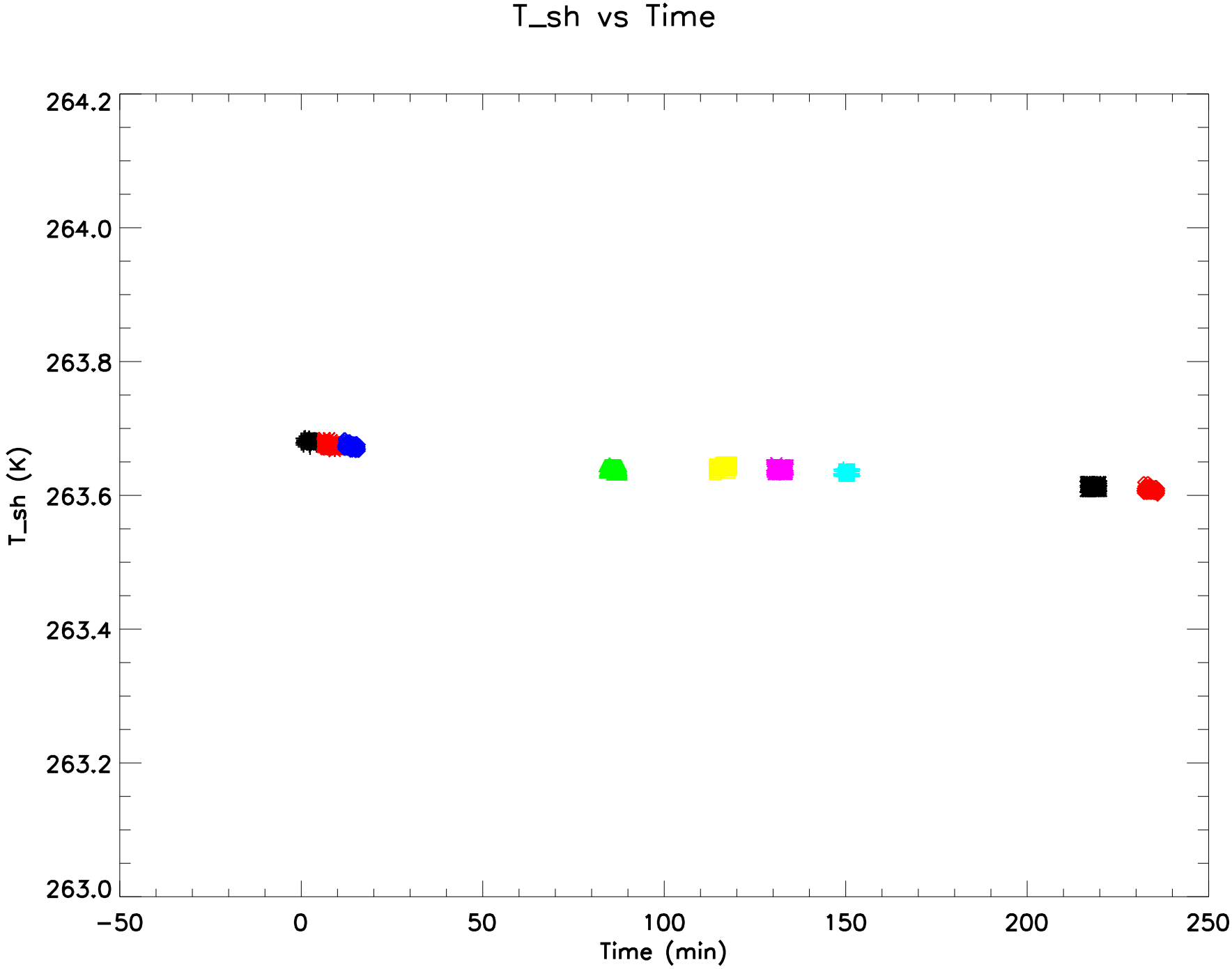

T_sh vs Scan and Collect
264.2
264.0
263.8
263.6
263.4
263.2
263.0
T_sh (K)
0
500
1000
1500
Collect*scan

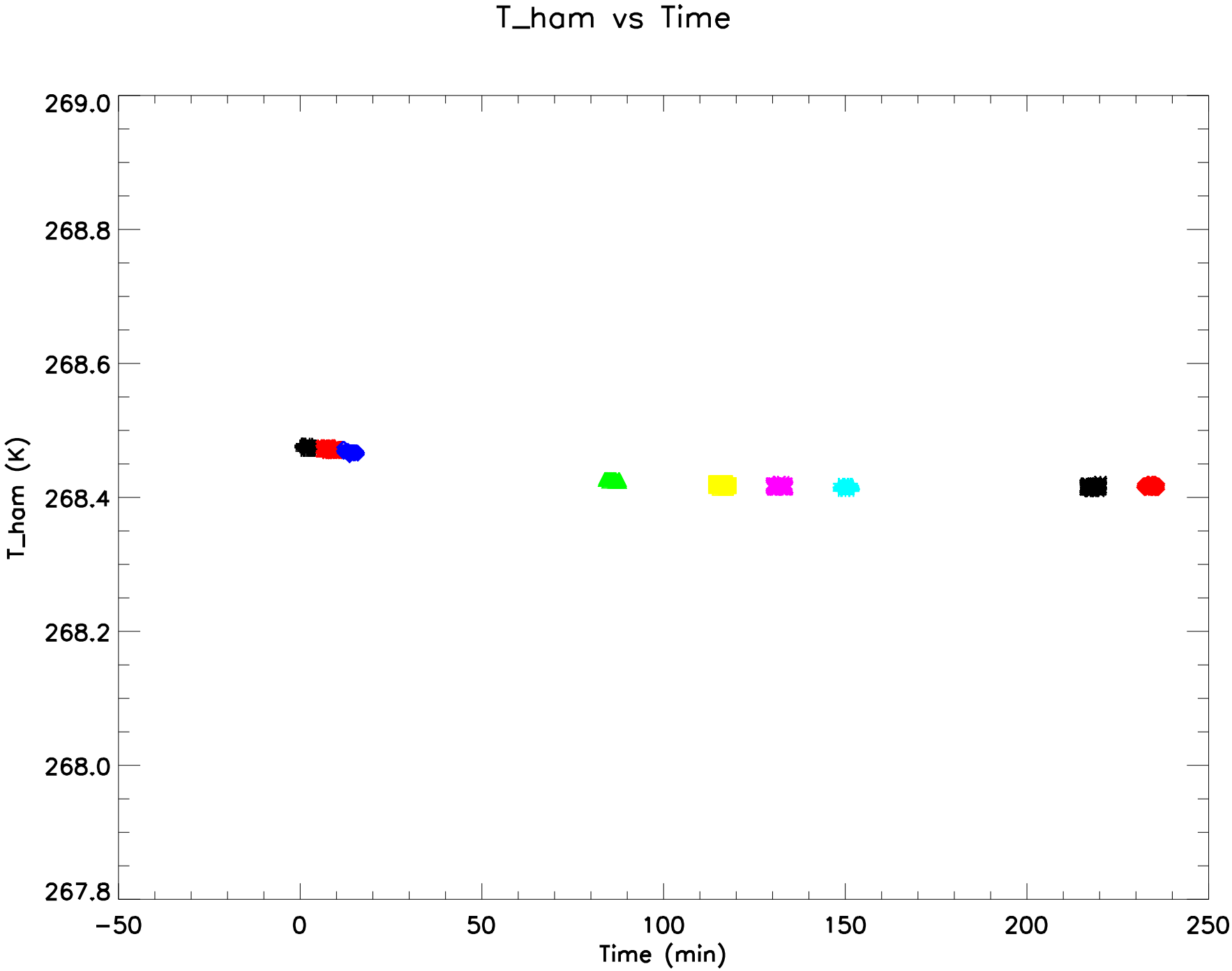

T_ham vs Scan and Collect
269.0
268.8
268.6
268.4
268.2
268.0
267.8
T_ham (K)
0
500
1000
1500
Collect*scan

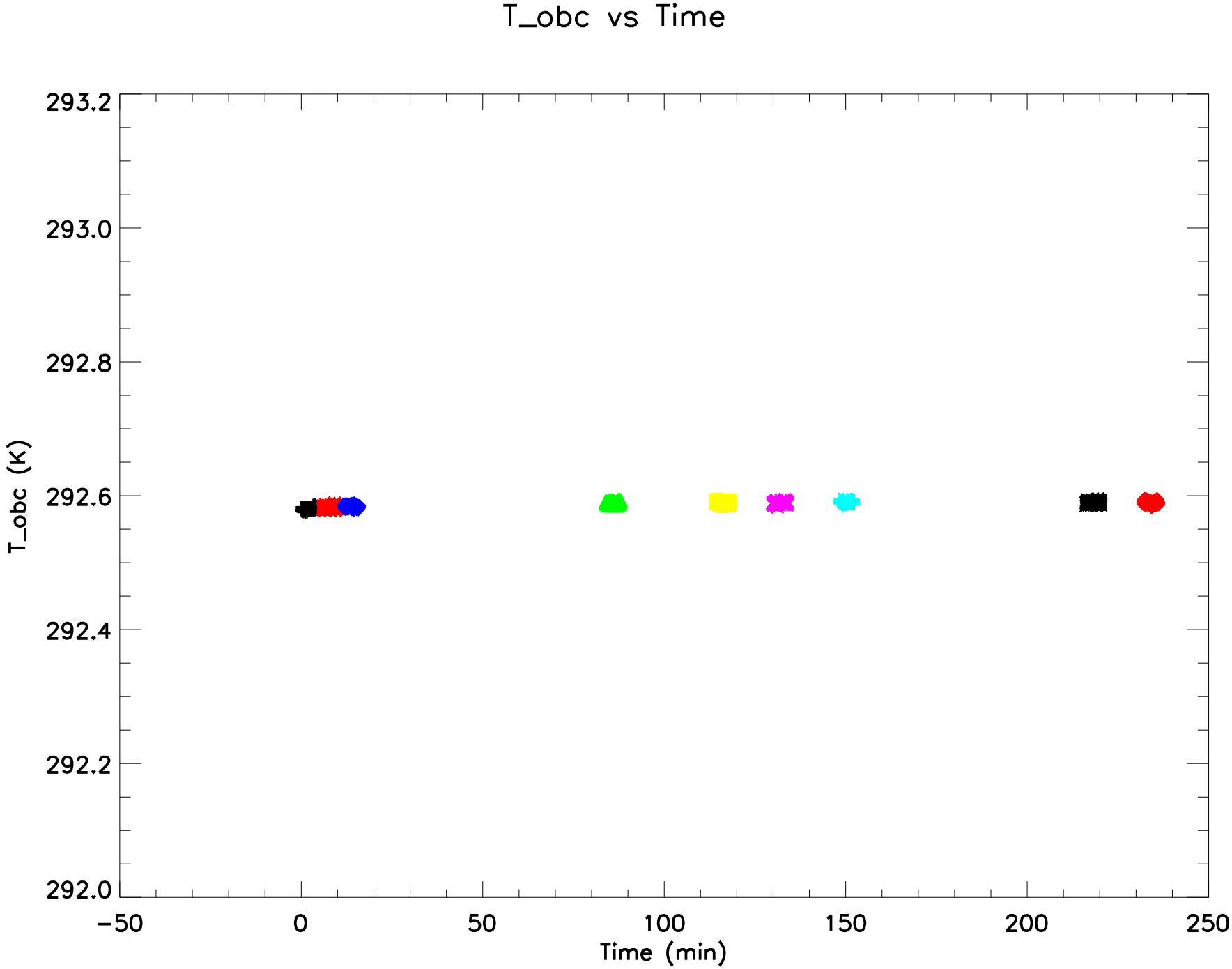

T_obc vs Scan and Collect
293.2
293.0
292.8
292.6
292.4
292.2
292.0
T_obc (K)
0
500
1000
1500
Collect*scan


T_rta vs Time
258.0
257.8
257.6
257.4
257.2
257.0
256.8
256.6
T_rta (K)
−50
0
50
100
150
200
250
Time (min)

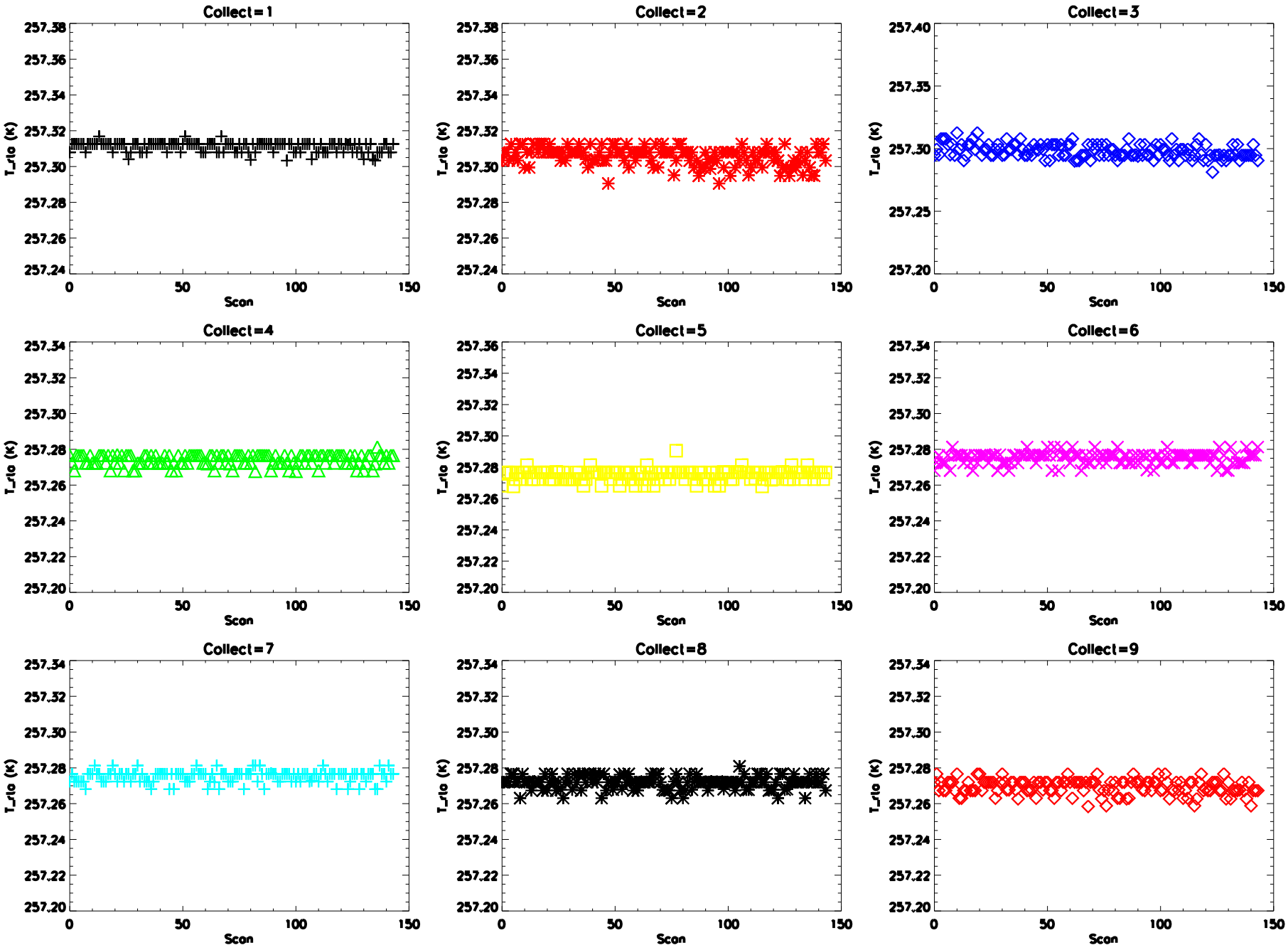

T_cav vs Time
262.2
262.0
261.8
261.6
261.4
261.2
261.0
T_cav (K)
−50
0
50
100
150
200
250
Time (min)


T_sh vs Time
264.2
264.0
263.8
263.6
263.4
263.2
263.0
T_sh (K)
−50
0
50
100
150
200
250
Time (min)

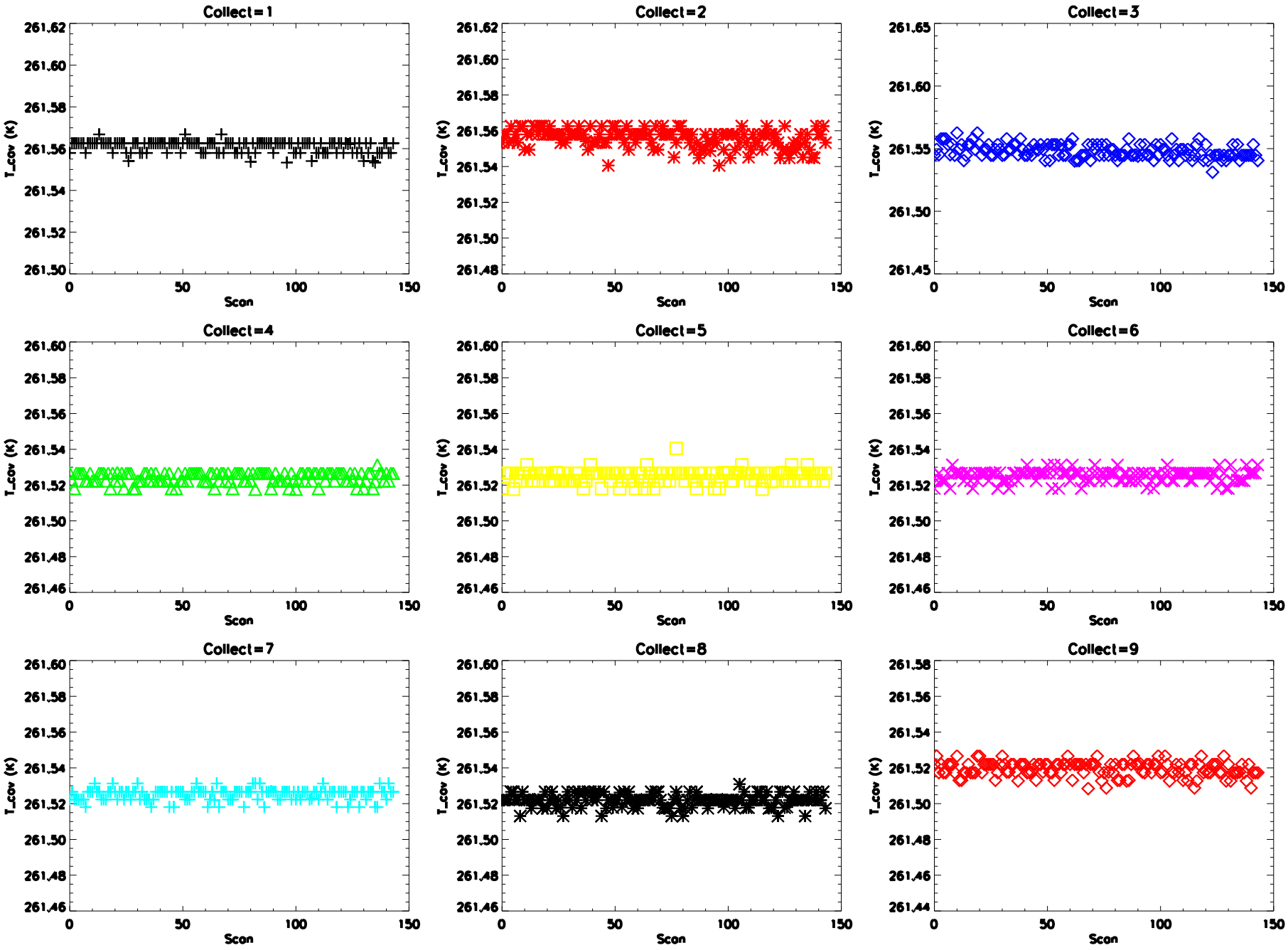

T_ham vs Time
269.0
268.8
268.6
268.4
268.2
268.0
267.8
T_ham (K)
−50
0
50
100
150
200
250
Time (min)


T_obc vs Time
293.2
293.0
292.8
292.6
292.4
292.2
292.0
T_obc (K)
−50
0
50
100
150
200
250
Time (min)

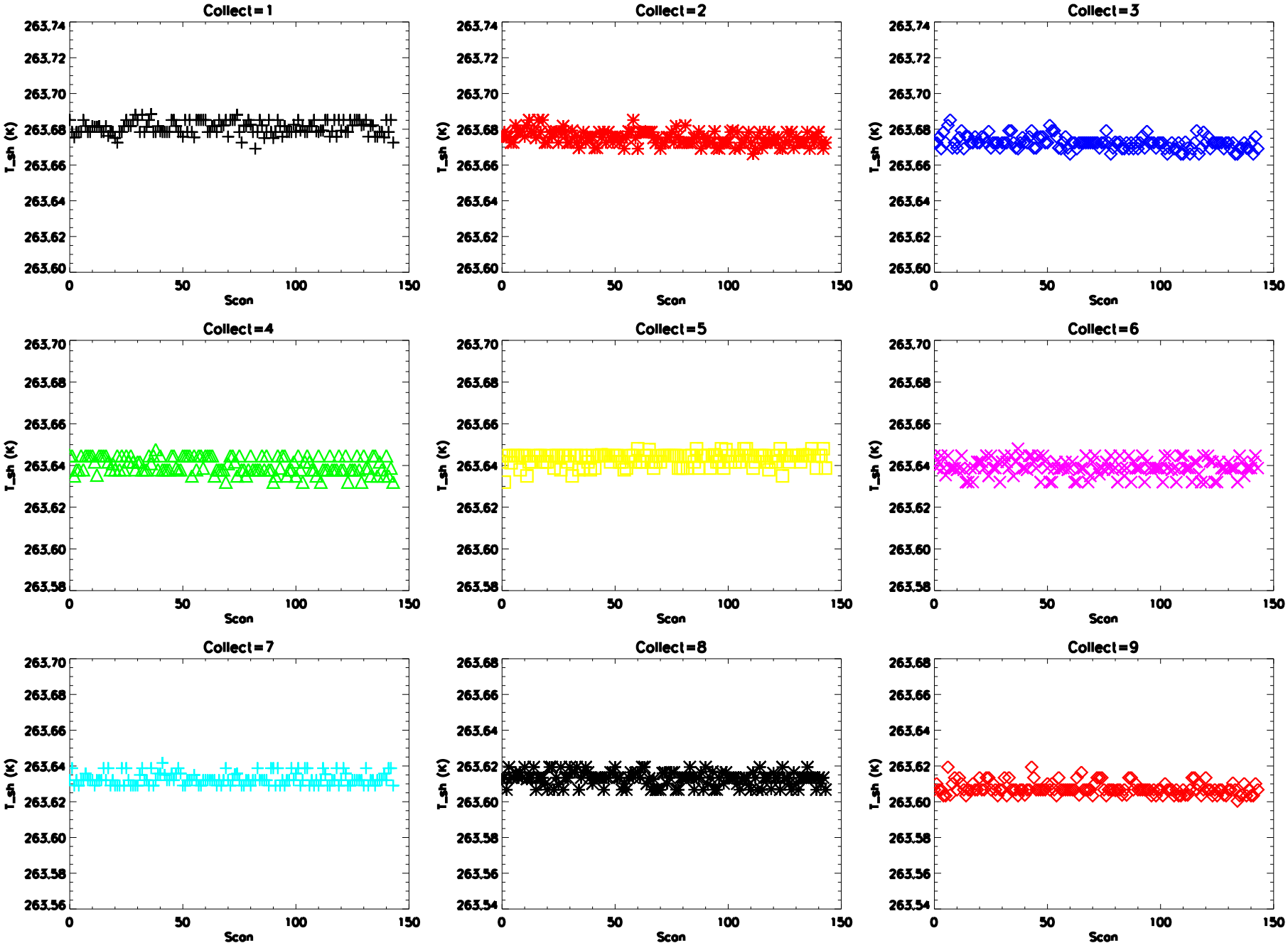
T_rta vs Scan


Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
T_rta (K)
Scan

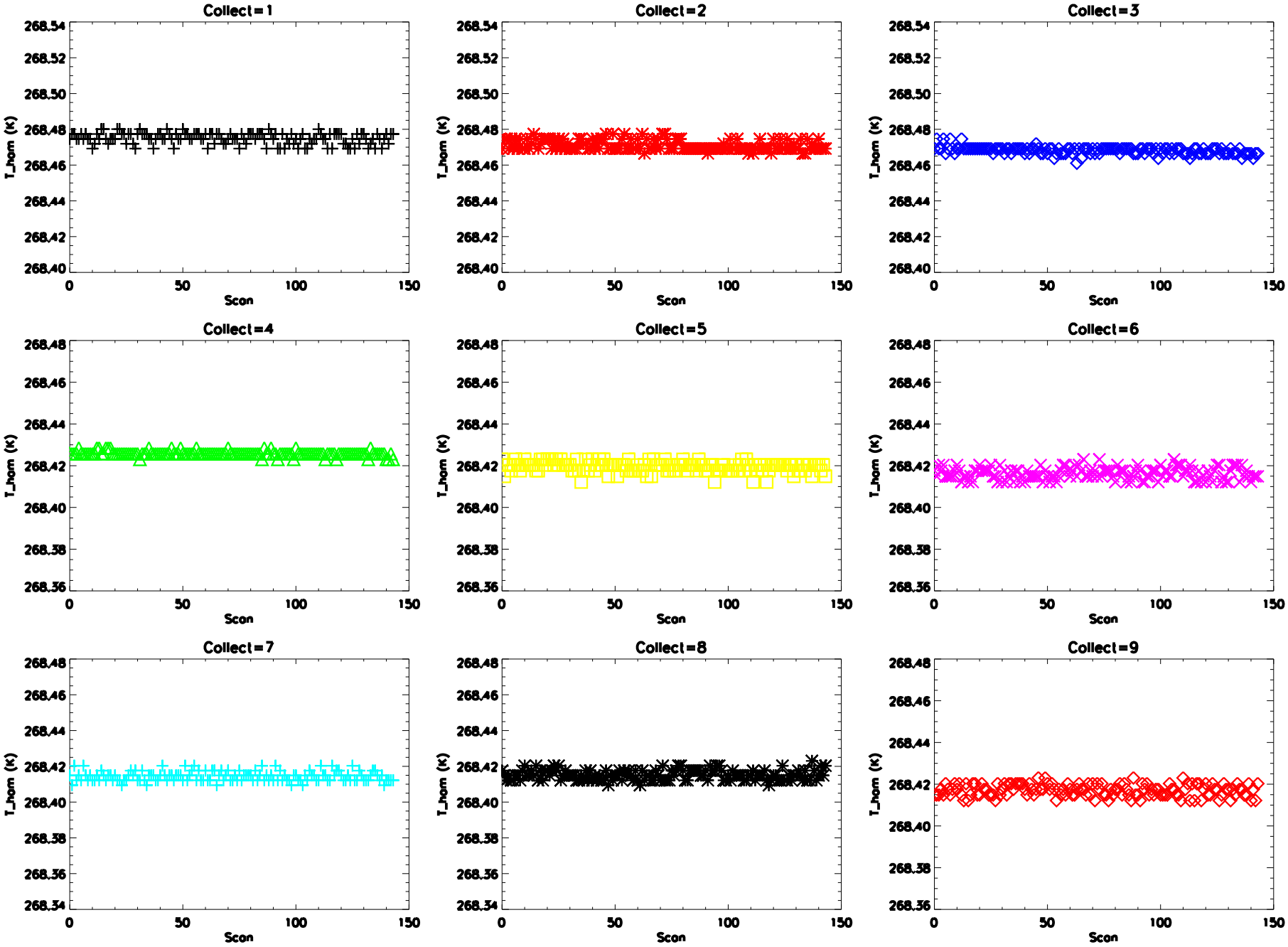
T_cav vs Scan

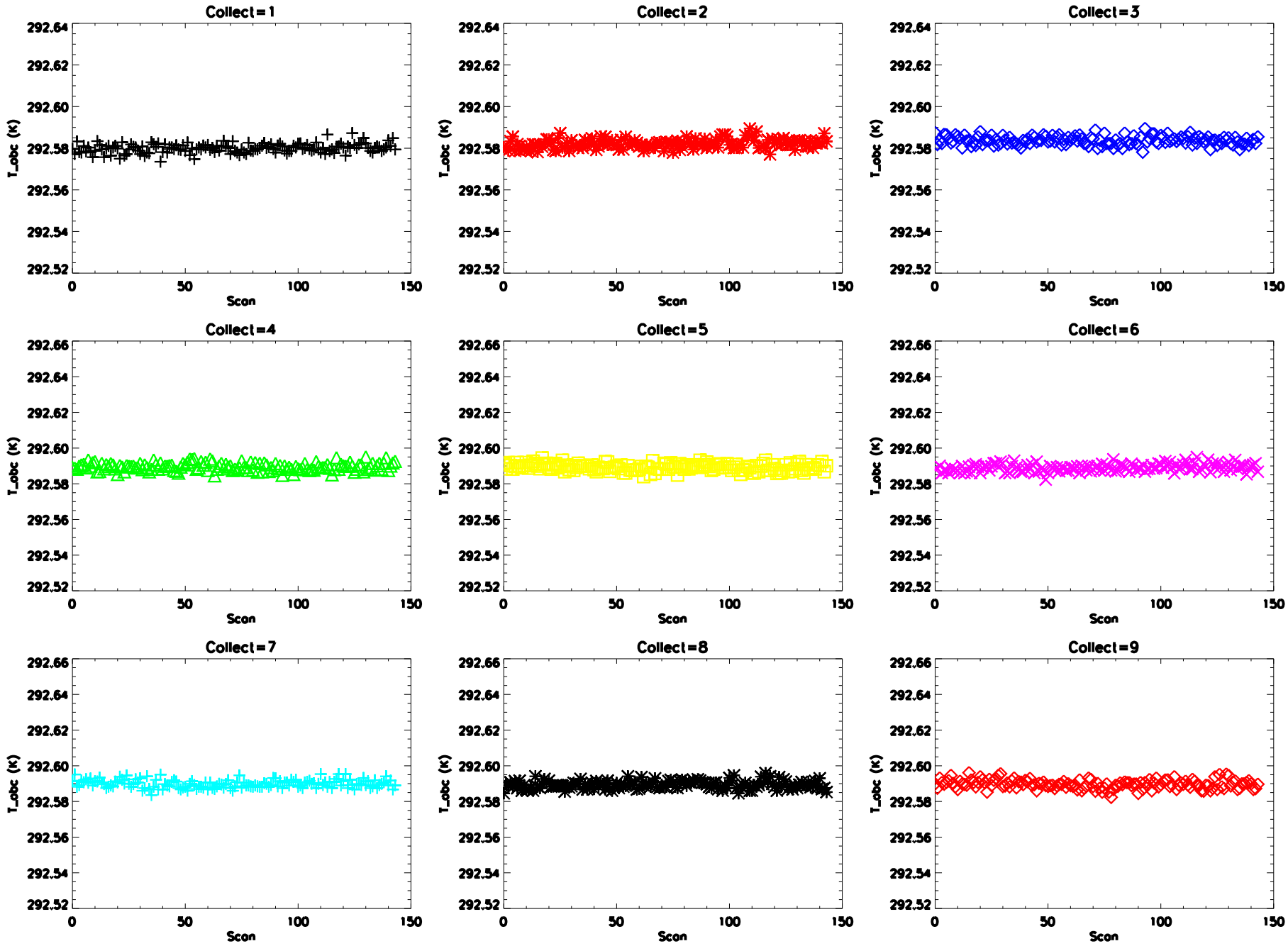

Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
T_cav (K)
Scan

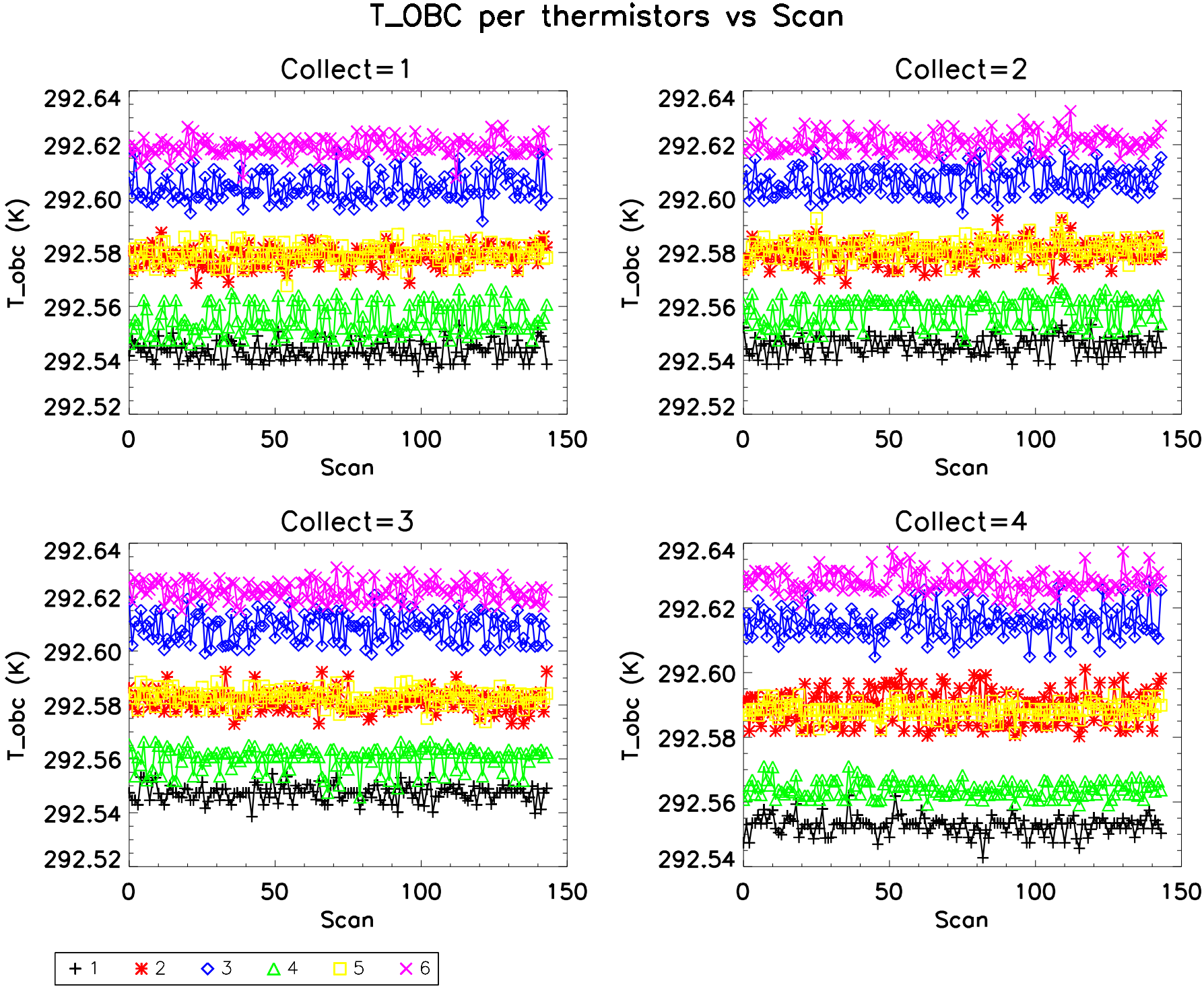
T_sh vs Scan

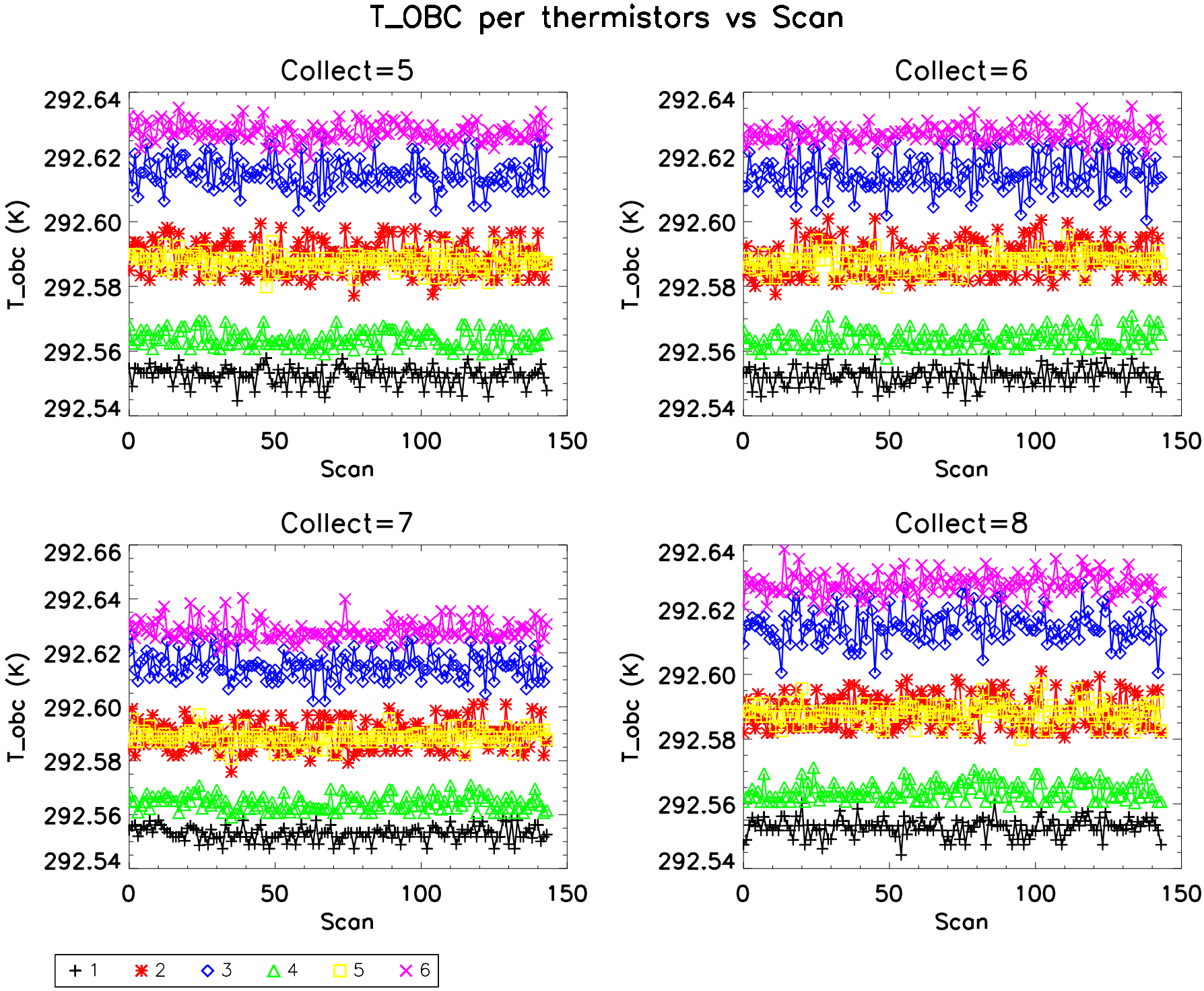

Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
T_sh (K)
Scan

T_ham vs Scan

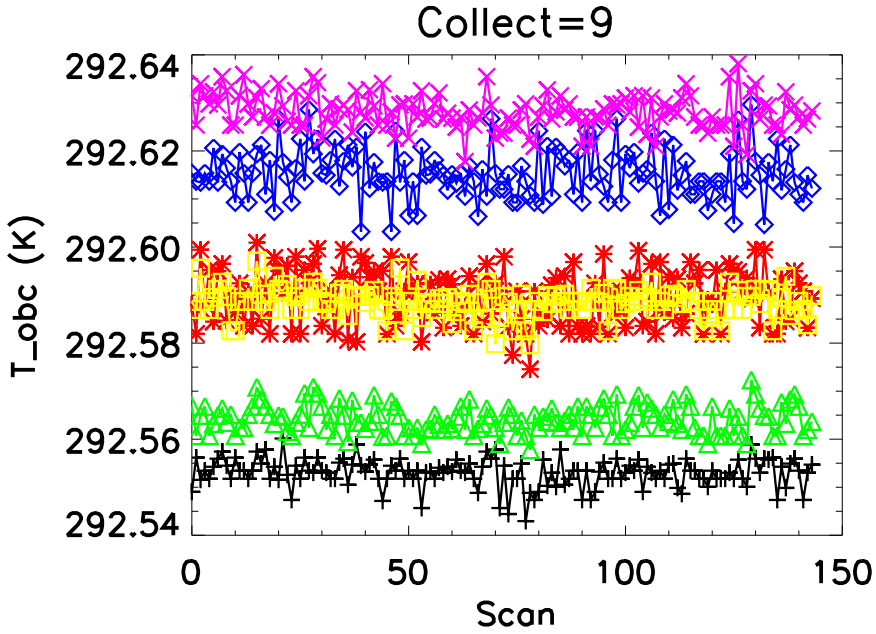

Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
T_ham (K)
Scan
0
50
100
150
268.54
268.52
268.50
268.48
268.46
268.44
268.42
268.40
268.38
268.36
268.34

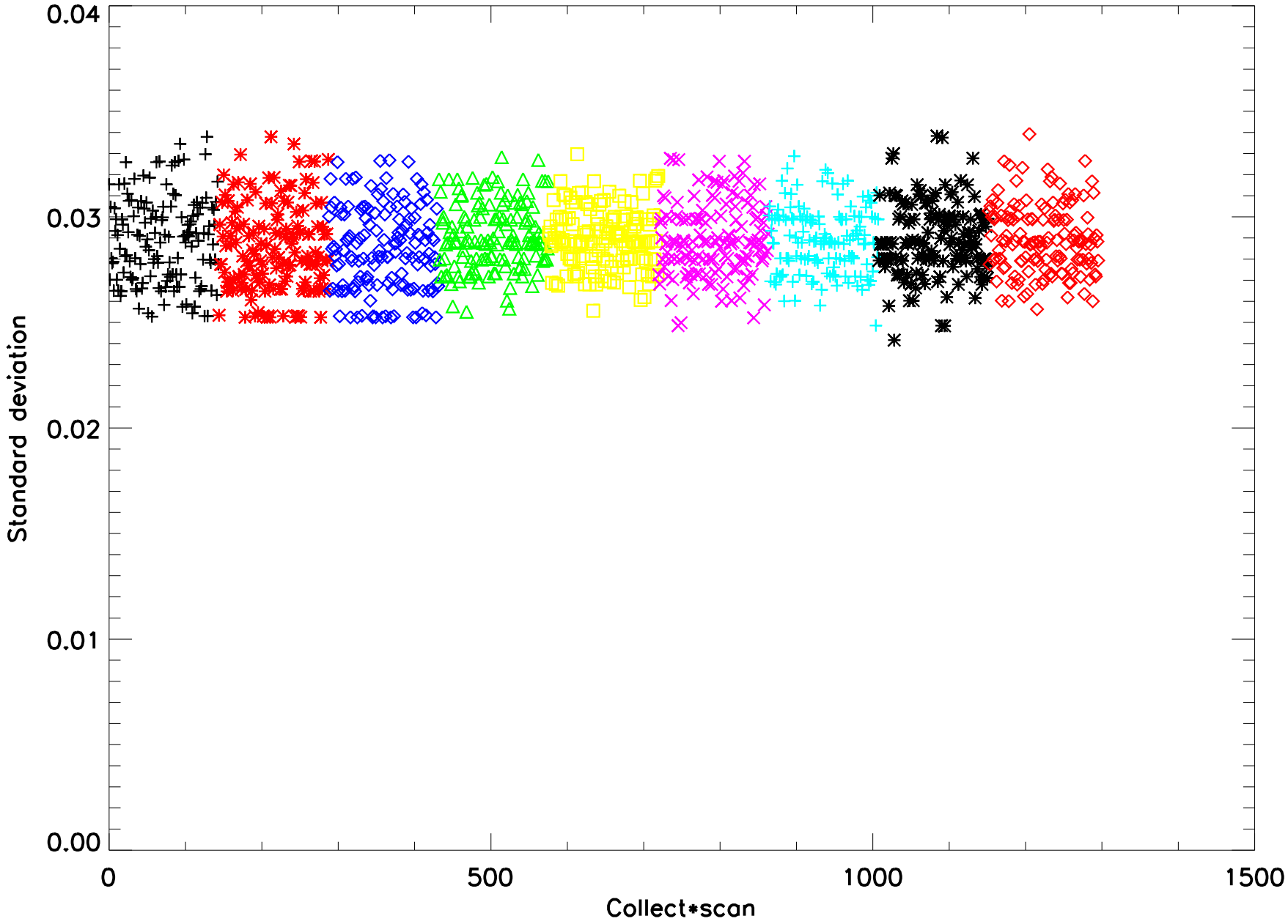

T_obc vs Scan
Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
T_obc (K)
Scan
292.52
292.54
292.56
292.58
292.60
292.62
292.64
292.66
0
50
100
150

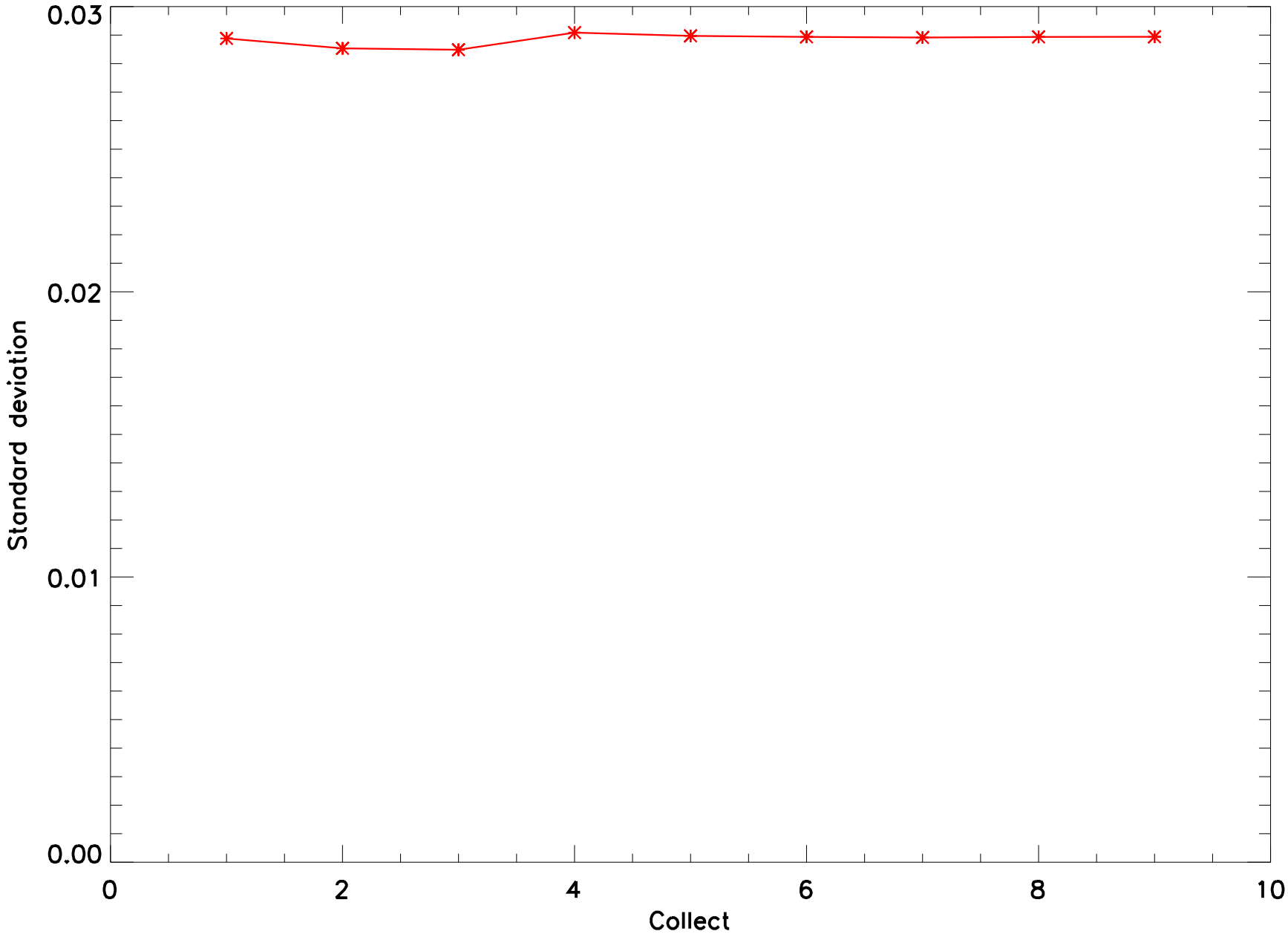

T_OBC per thermistors vs Scan
Collect=1
Collect=2
Collect=3
Collect=4
T_obc (K)
Scan
292.64
292.62
292.60
292.58
292.56
292.54
292.52
0
50
100
150
1
2
3
4
5
6

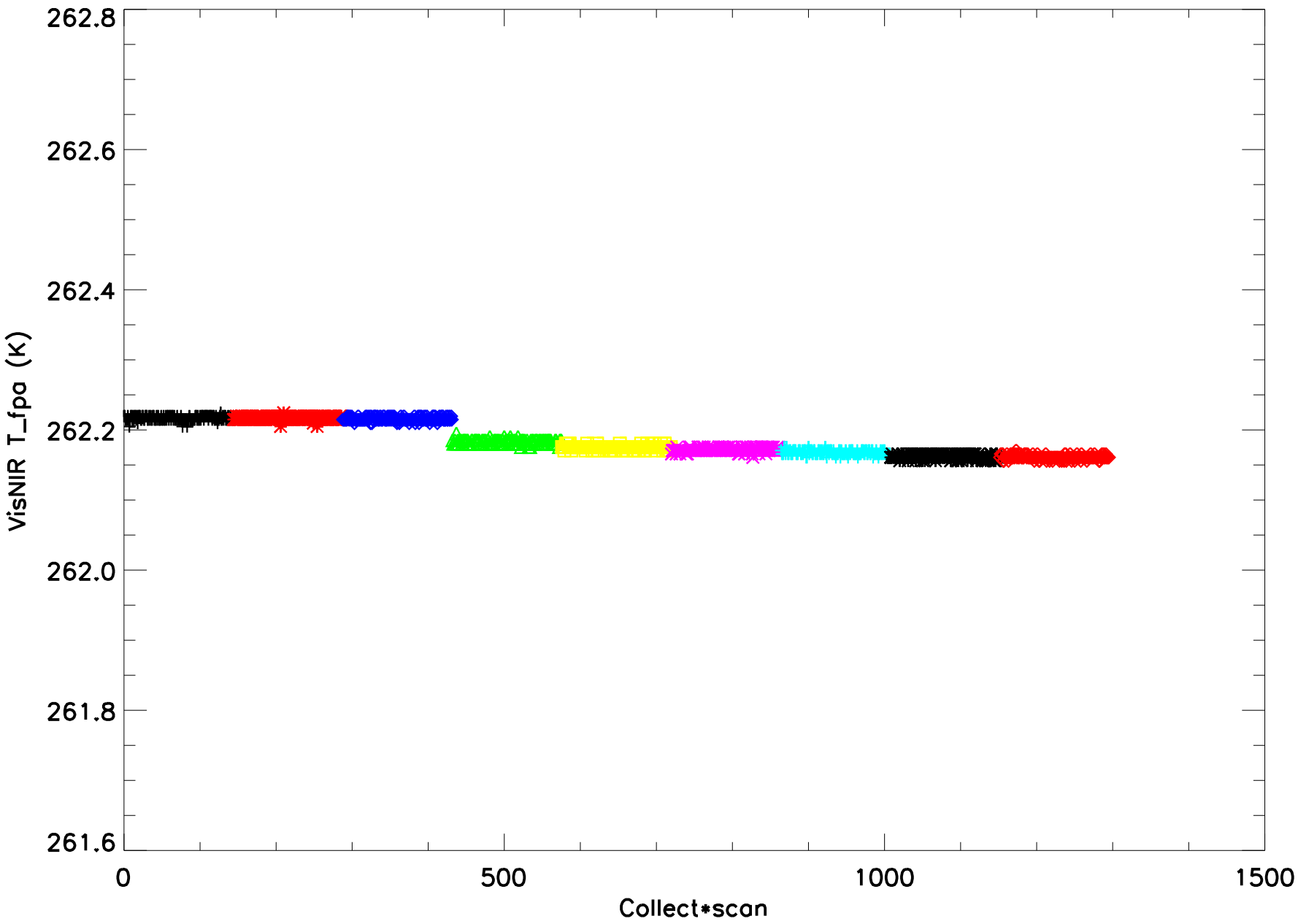

T_OBC per thermistors vs Scan
Collect=5
Collect=6
Collect=7
Collect=8
T_obc (K)
Scan
292.64
292.62
292.60
292.58
292.56
292.54
292.66
0
50
100
150
1
2
3
4
5
6

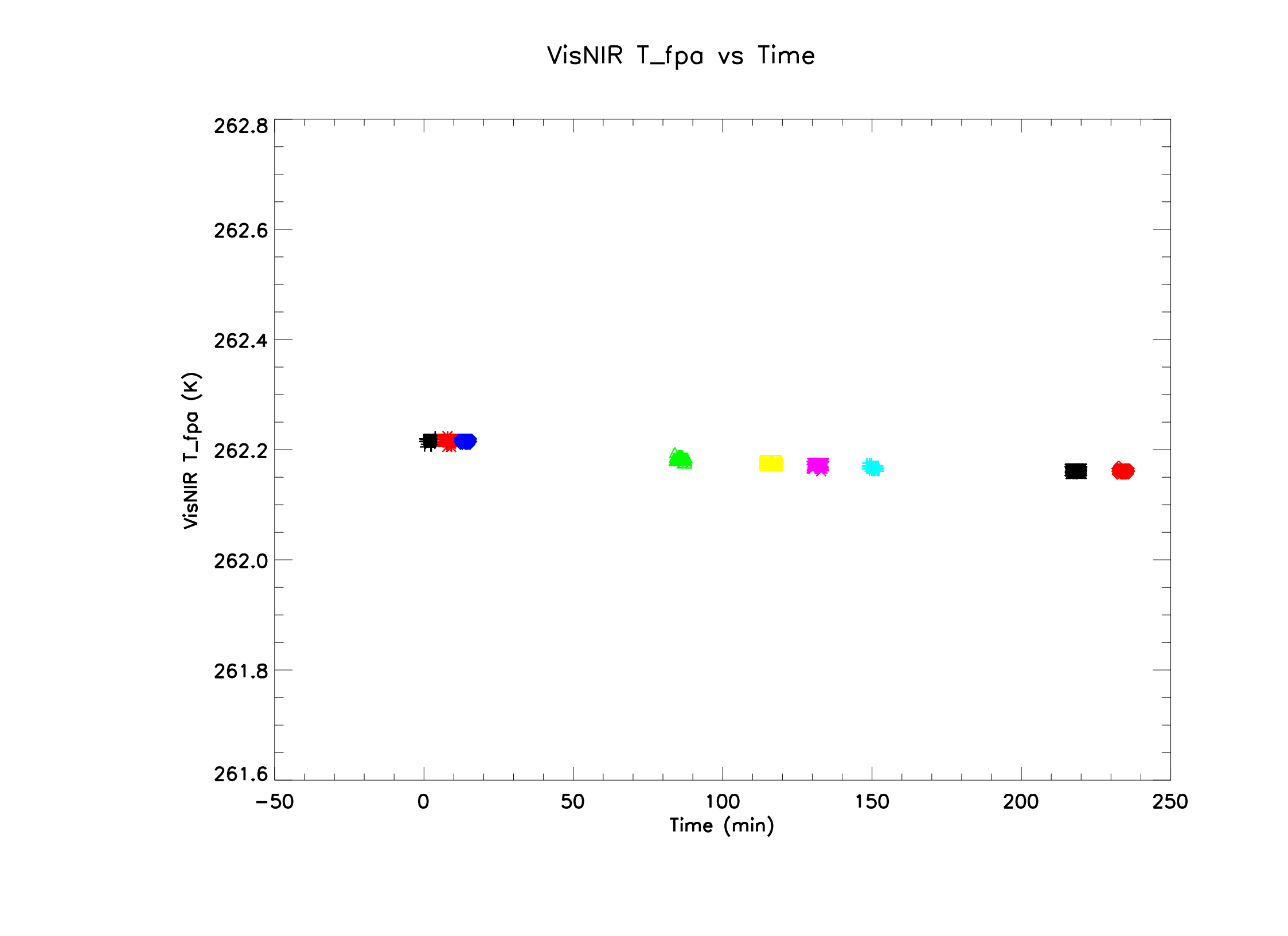
T_OBC per thermistors vs Scan



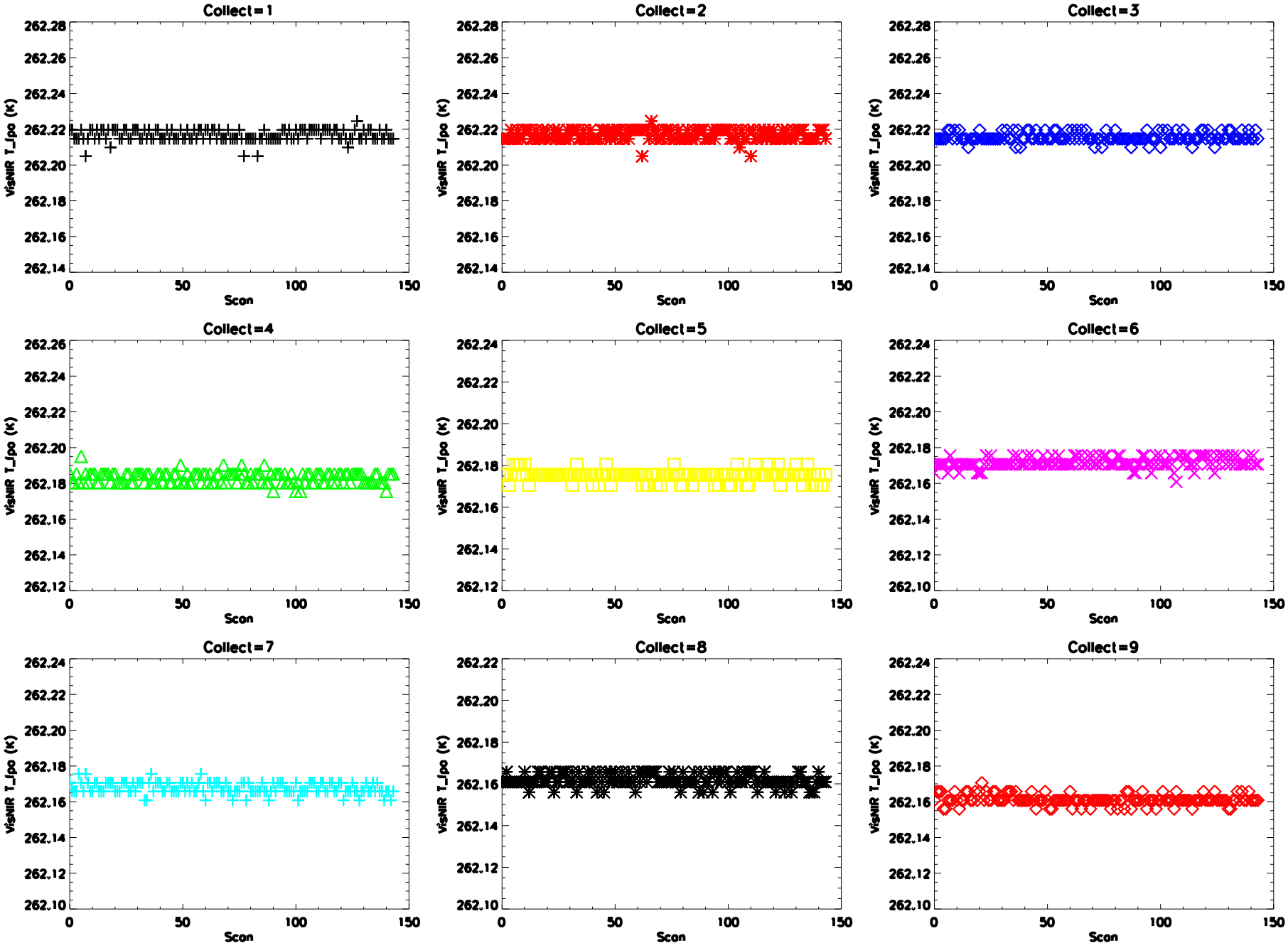

OBC thermistor standard deviation vs Scan and Collect
Standard deviation
0.04
0.03
0.02
0.01
0.00
0
500
1000
1500
Collect*scan

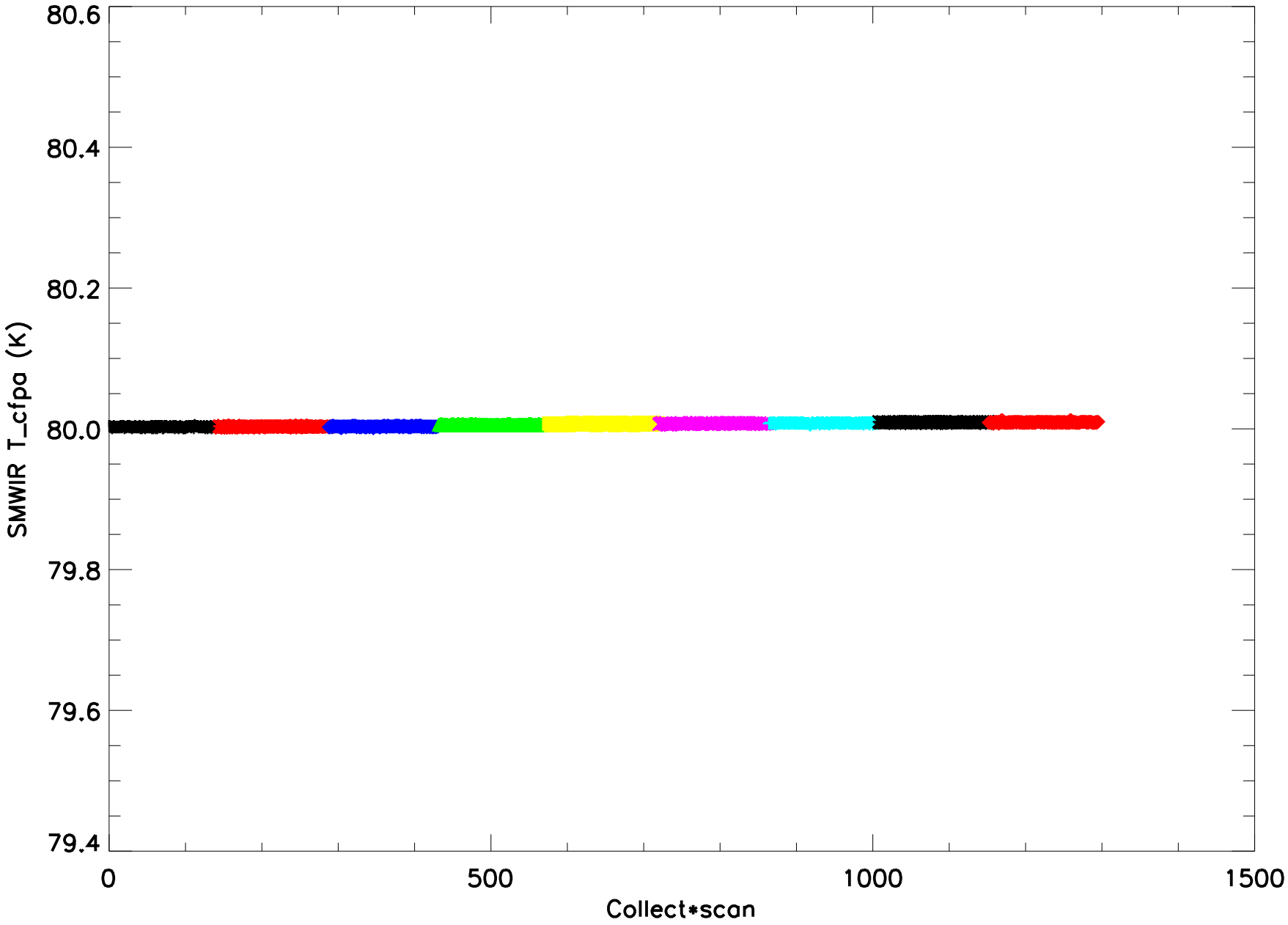

OBC thermistor standard deviation vs Collect
0.03
0.02
0.01
0.00
Standard deviation
0
2
4
6
8
10
Collect

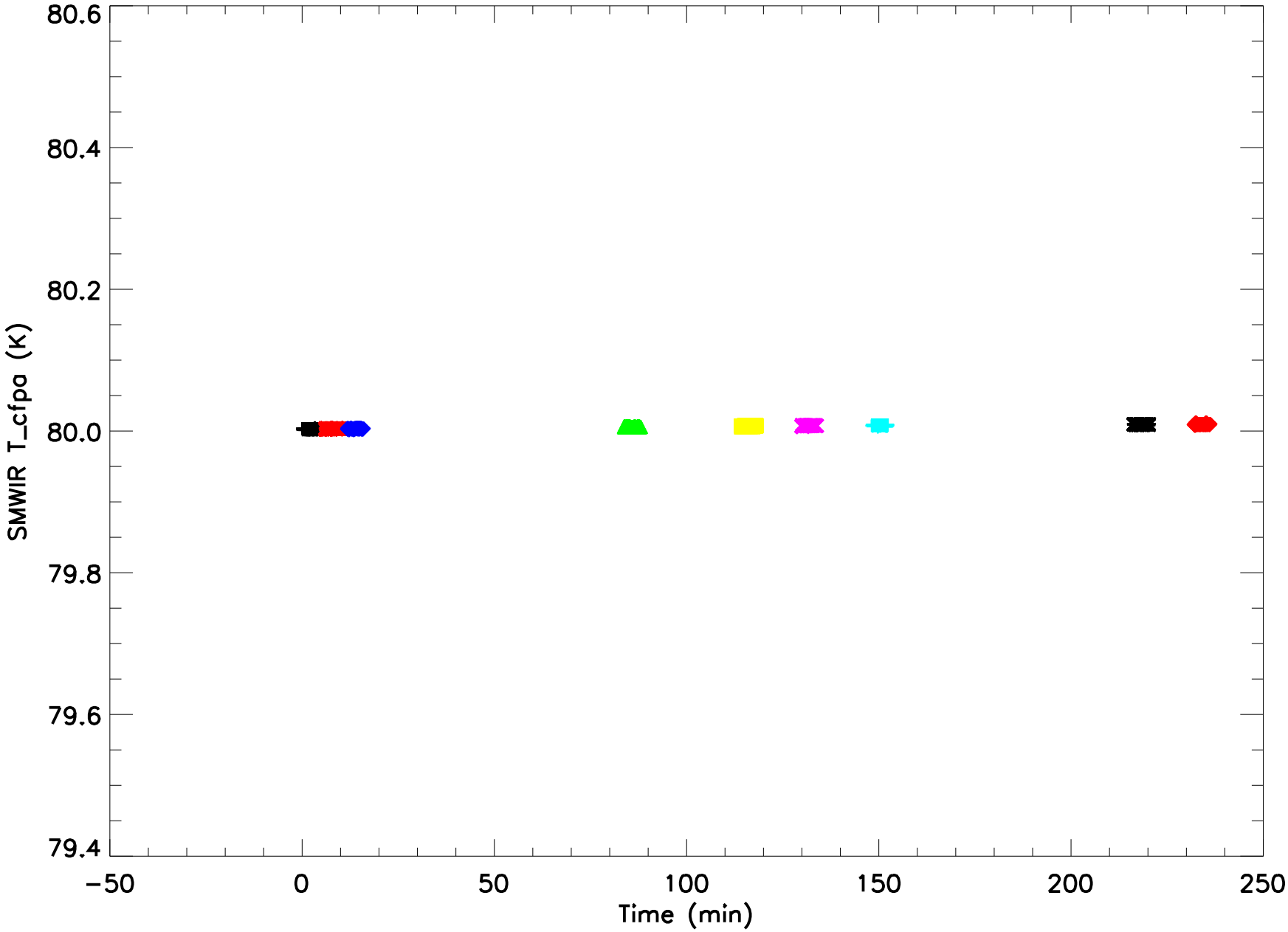

VisNIR T_fpa vs Scan and Collect
VisNIR T_fpa (K)
262.8
262.6
262.4
262.2
262.0
261.8
261.6
0
500
1000
1500
Collect*scan


VisNIR T_fpa vs Time
VisNIR T_fpa (K)
262.8
262.6
262.4
262.2
262.0
261.8
261.6
−50
0
50
100
150
200
250
Time (min)

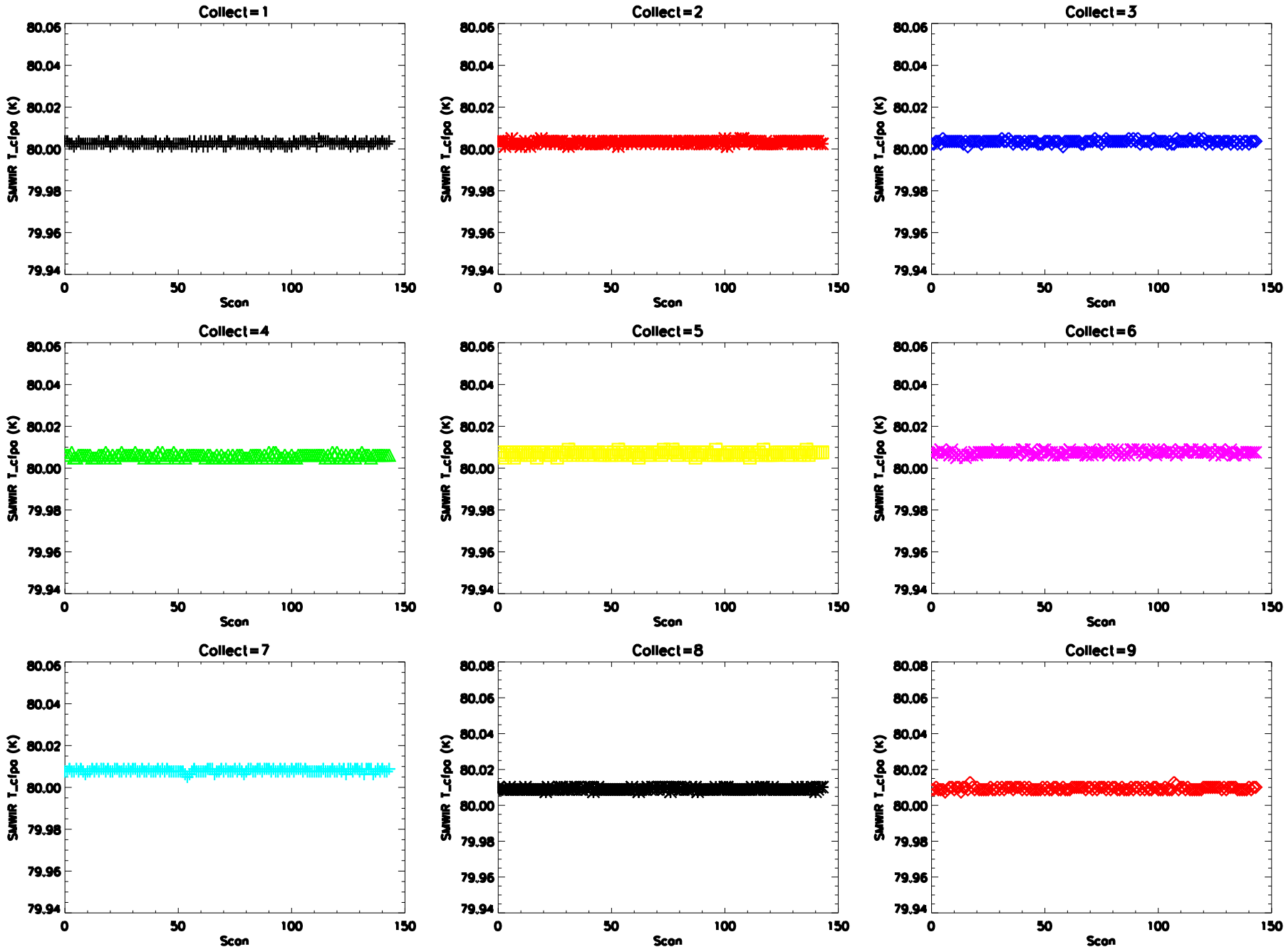
VisNIR T_fpa vs Scan

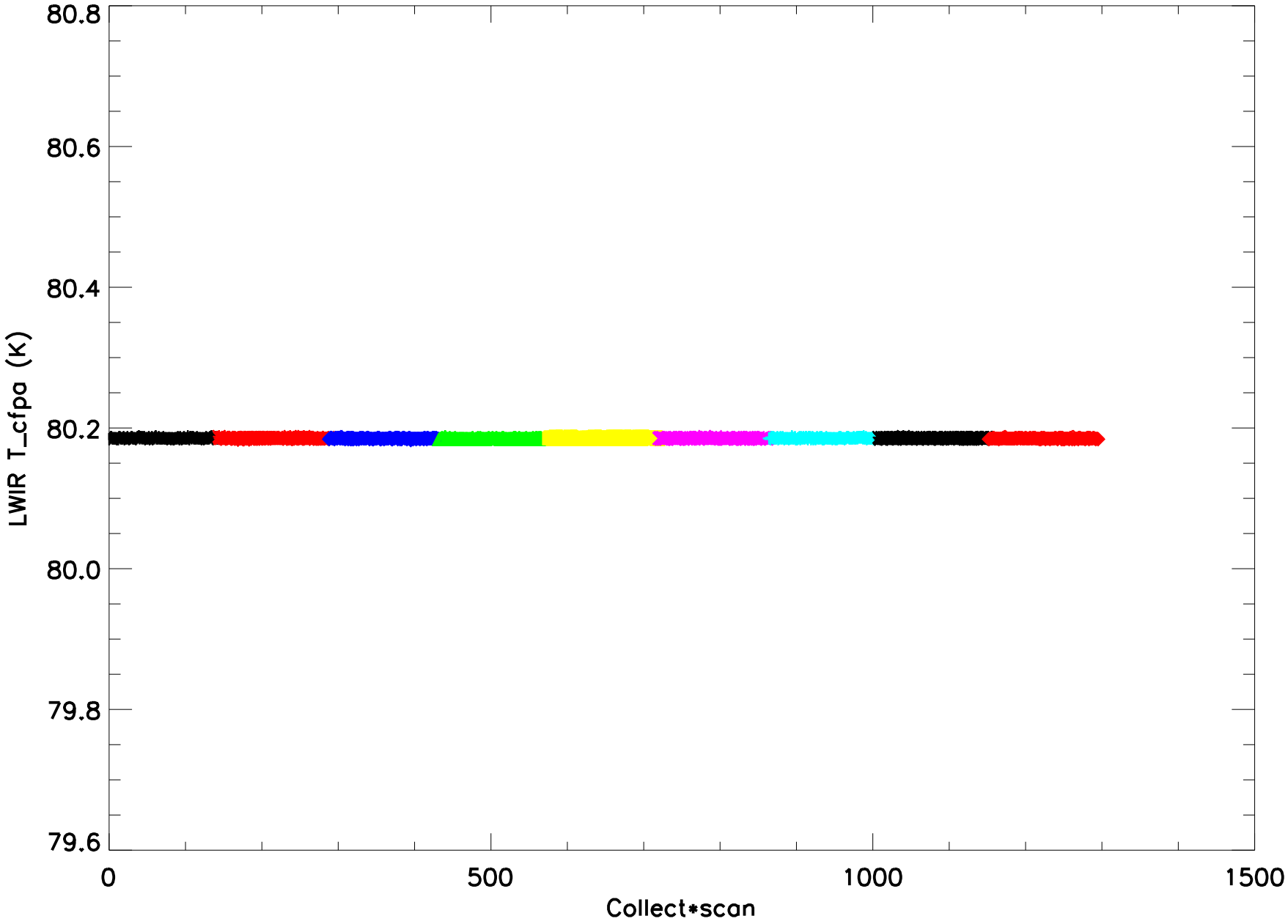


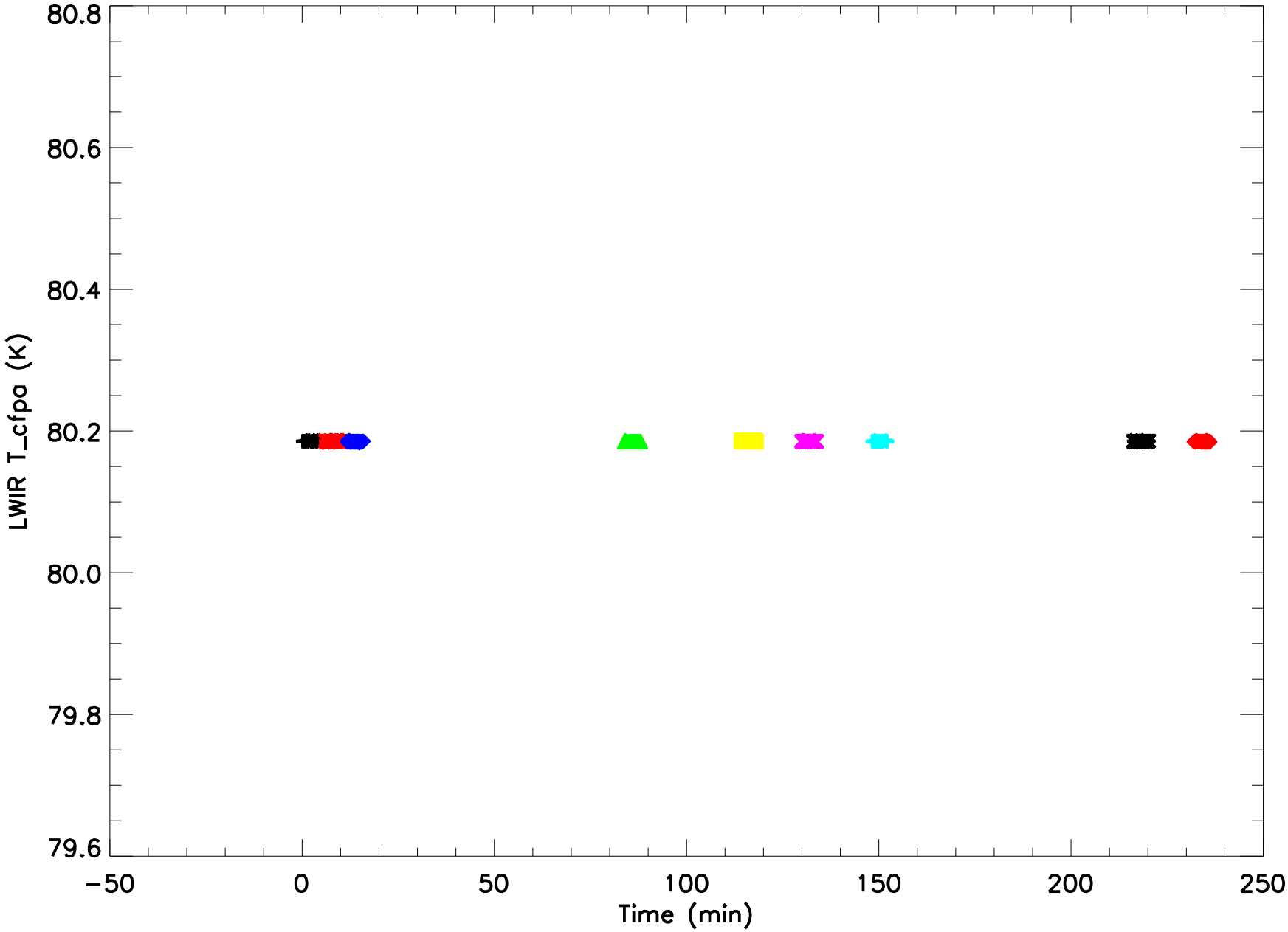

SMWIR T_cfpa vs Scan and Collect
80.6
80.4
80.2
80.0
79.8
79.6
79.4
SMWIR T_cfpa (K)
0
500
1000
1500
Collect*scan


SMWIR T_cfpa vs Time
80.6
80.4
80.2
80.0
79.8
79.6
79.4
SMWIR T_cfpa (K)
−50
0
50
100
150
200
250
Time (min)

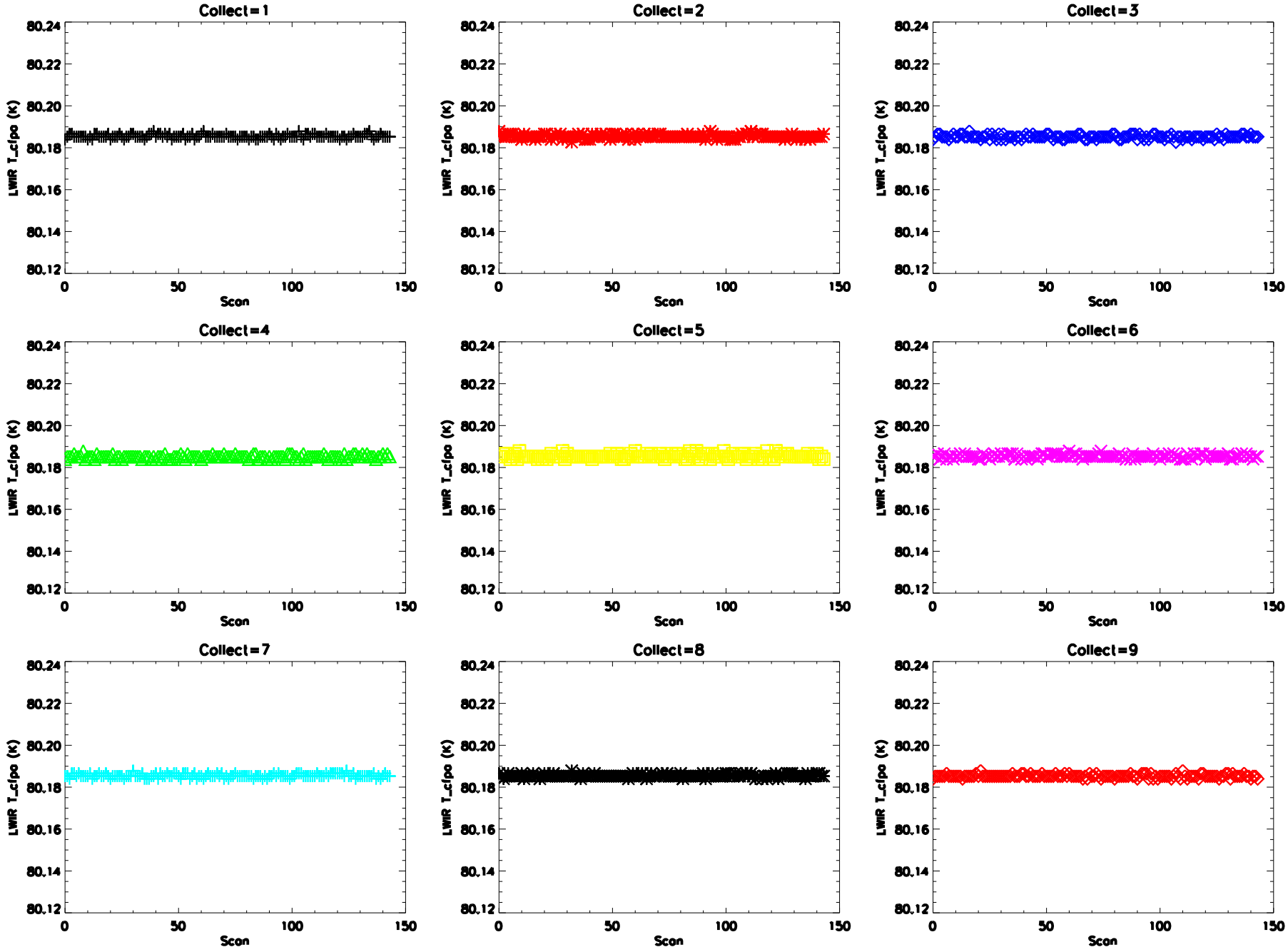
SMWIR T_cfpa vs Scan

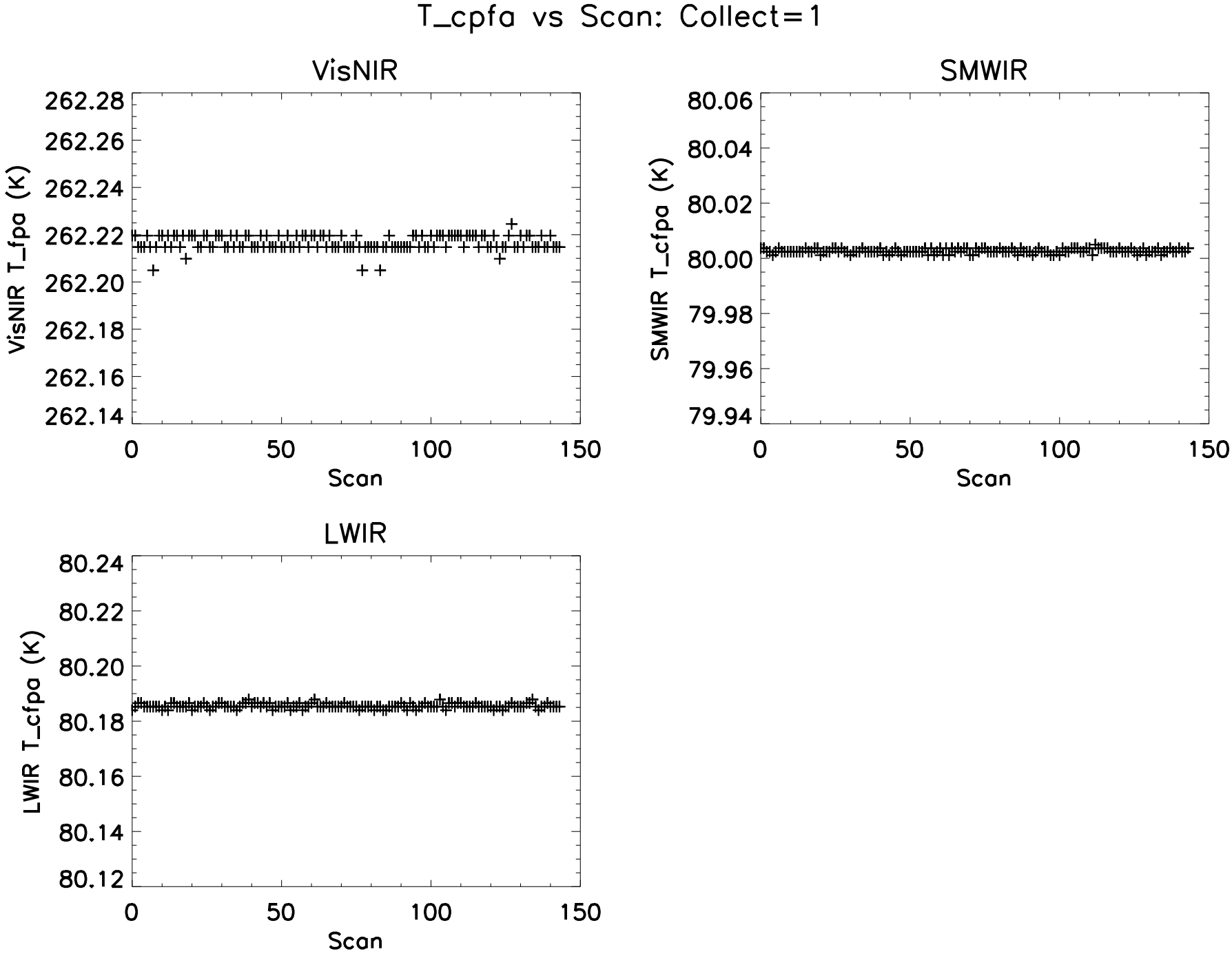


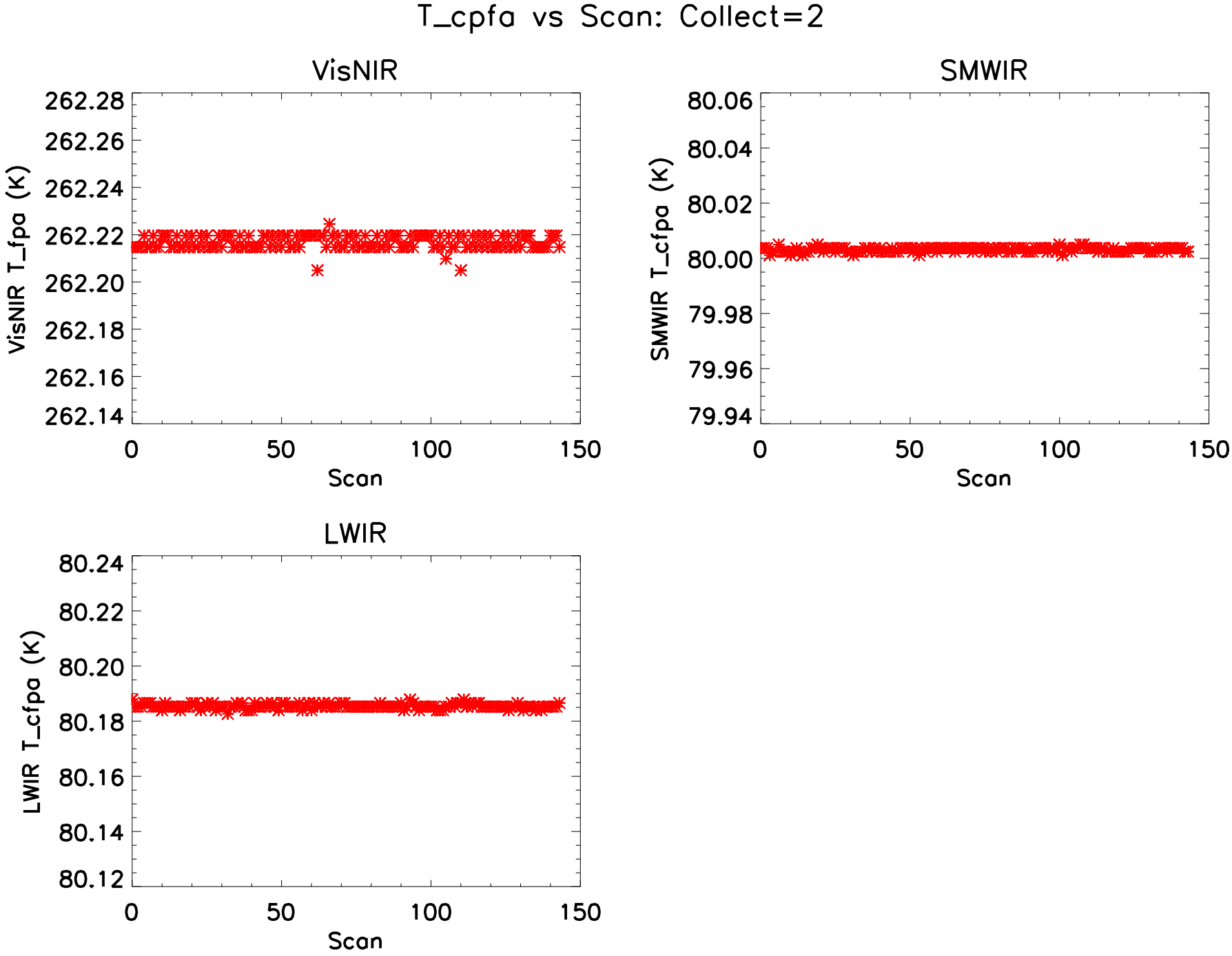

LWIR T_cfpa vs Scan and Collect
80.8
80.6
80.4
80.2
80.0
79.8
79.6
LWIR T_cfpa (K)
0
500
1000
1500
Collect*scan

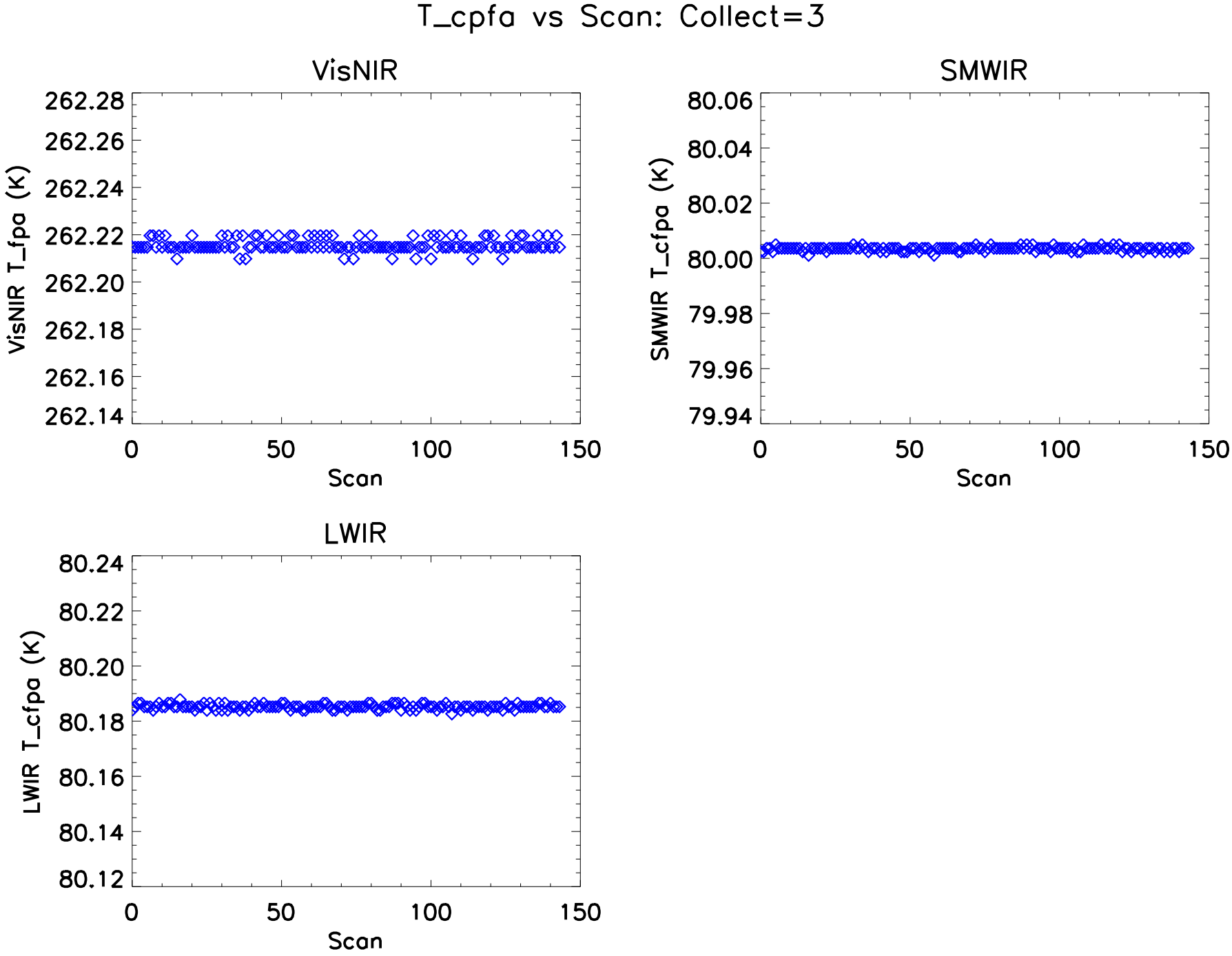

LWIR T_cfpa vs Time
LWIR T_cfpa (K)
80.8
80.6
80.4
80.2
80.0
79.8
79.6
−50
0
50
100
150
200
250
Time (min)

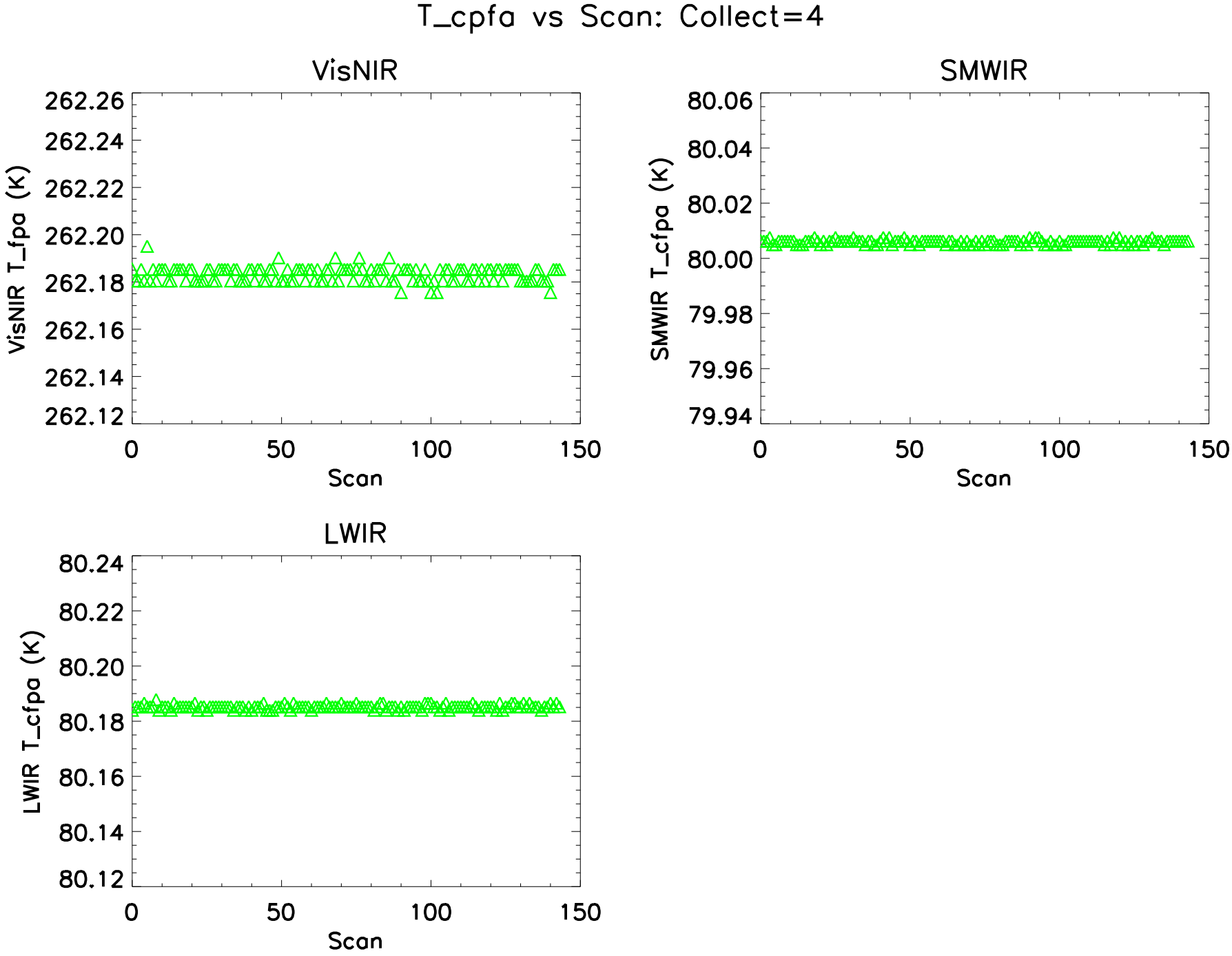
LWIR T_cfpa vs Scan

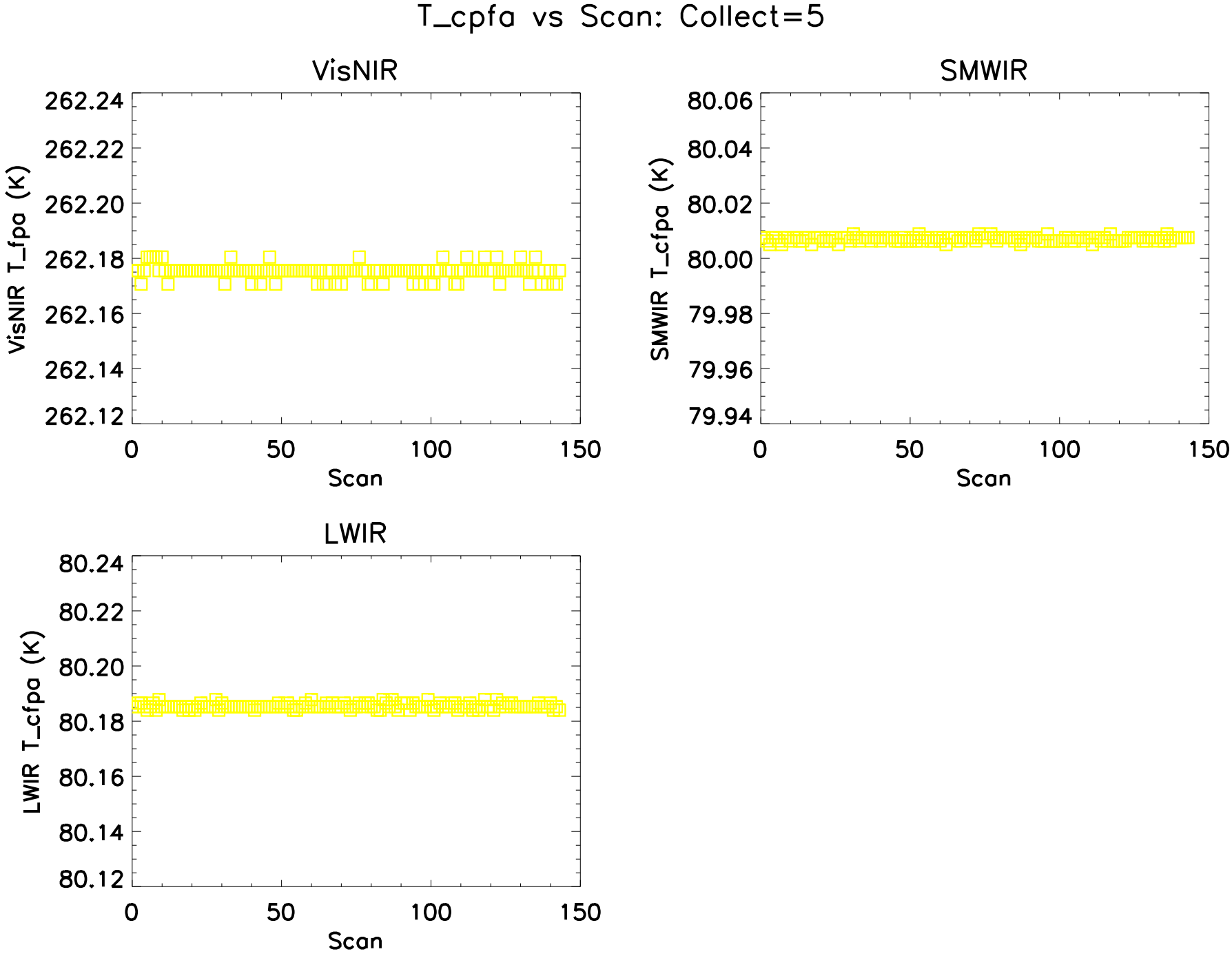


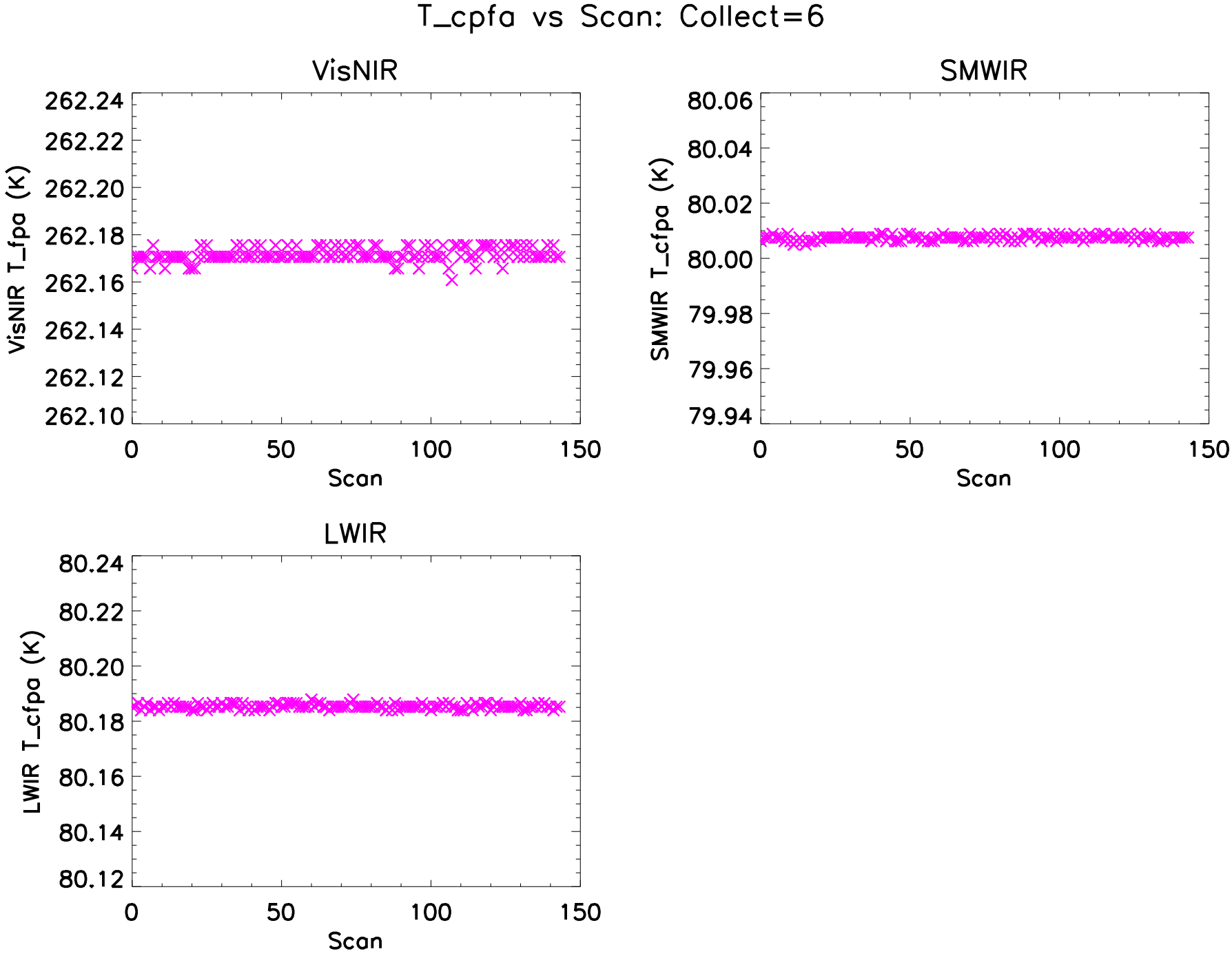

T_cpfa vs Scan: Collect=1
VisNIR
VisNIR T_fpa (K)
262.28
262.26
262.24
262.22
262.20
262.18
262.16
262.14
0
50
100
150
Scan
SMWIR
SMWIR T_cfpa (K)
80.06
80.04
80.02
80.00
79.98
79.96
79.94
0
50
100
150
Scan
LWIR
LWIR T_cfpa (K)
80.24
80.22
80.20
80.18
80.16
80.14
80.12
0
50
100
150
Scan

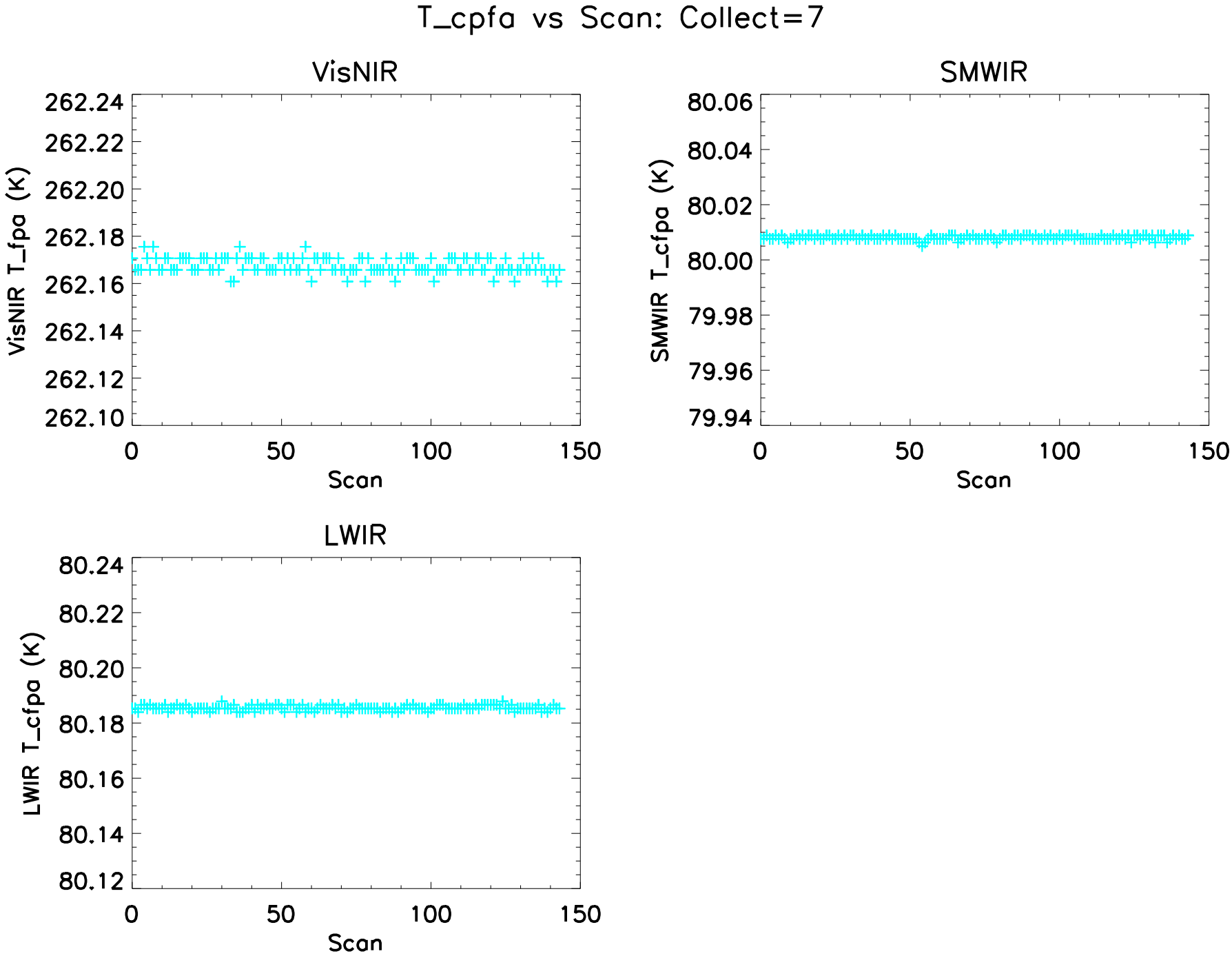

T_cpfa vs Scan: Collect=2
VisNIR
VisNIR T_fpa (K)
262.28
262.26
262.24
262.22
262.20
262.18
262.16
262.14
0
50
100
150
Scan
SMWIR
SMWIR T_cfpa (K)
80.06
80.04
80.02
80.00
79.98
79.96
79.94
0
50
100
150
Scan
LWIR
LWIR T_cfpa (K)
80.24
80.22
80.20
80.18
80.16
80.14
80.12
0
50
100
150
Scan

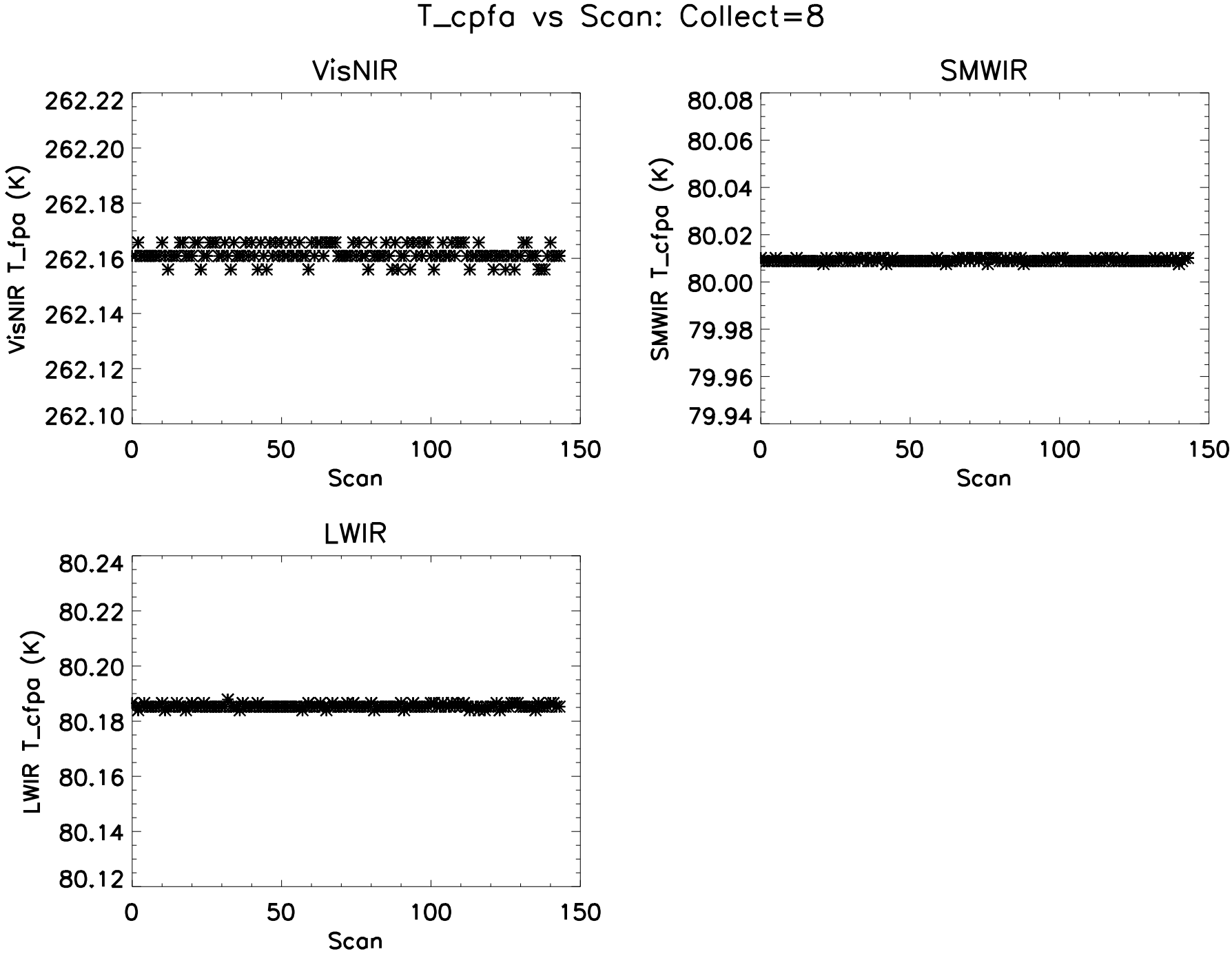

T_cpfa vs Scan: Collect=3
VisNIR
VisNIR T_fpa (K)
262.28
262.26
262.24
262.22
262.20
262.18
262.16
262.14
0
50
100
150
Scan
SMWIR
SMWIR T_cfpa (K)
80.06
80.04
80.02
80.00
79.98
79.96
79.94
0
50
100
150
Scan
LWIR
LWIR T_cfpa (K)
80.24
80.22
80.20
80.18
80.16
80.14
80.12
0
50
100
150
Scan

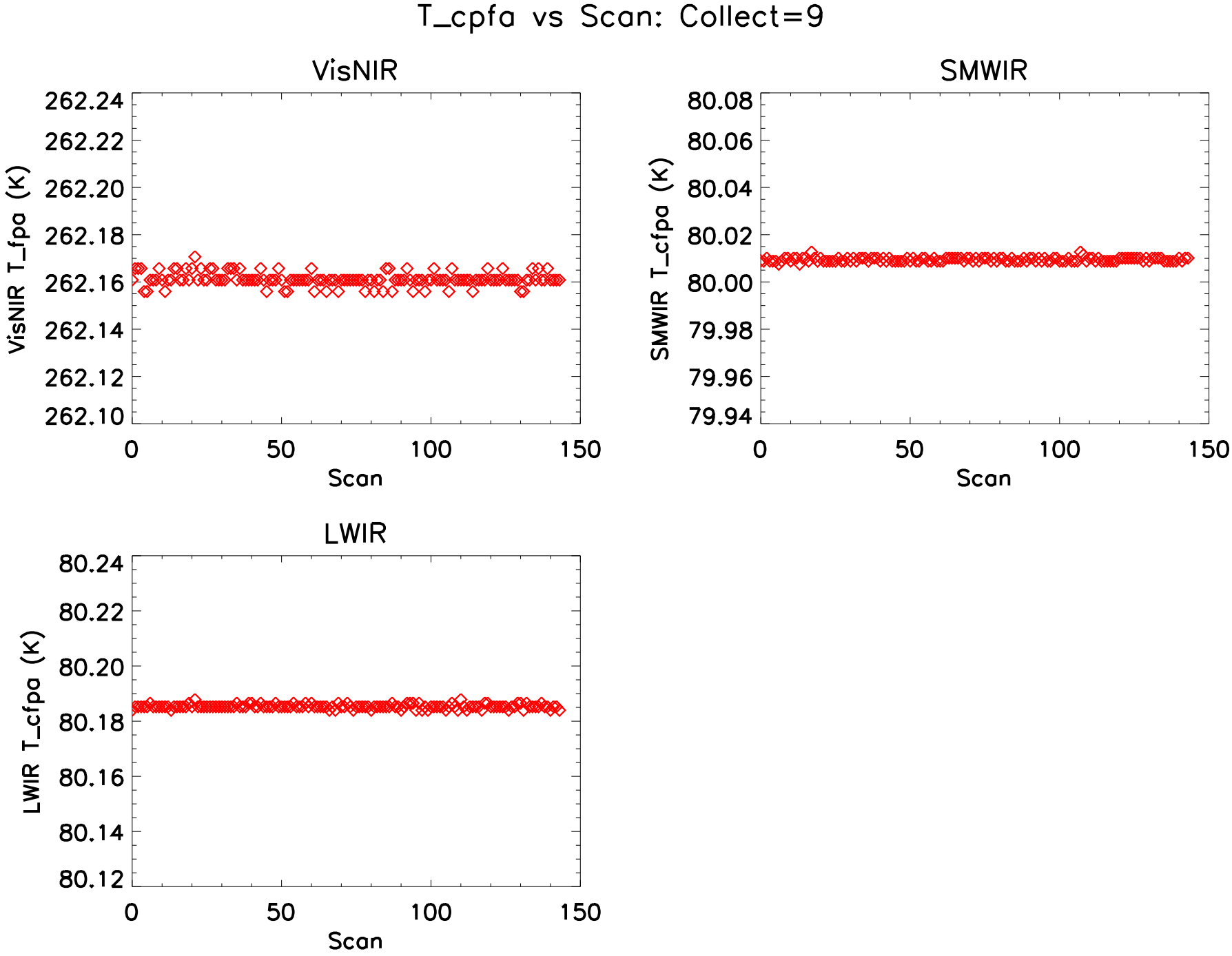

T_cpfa vs Scan: Collect=4
VisNIR
VisNIR T_fpa (K)
262.26
262.24
262.22
262.20
262.18
262.16
262.14
262.12
0
50
100
150
Scan
SMWIR
SMWIR T_cfpa (K)
80.06
80.04
80.02
80.00
79.98
79.96
79.94
0
50
100
150
Scan
LWIR
LWIR T_cfpa (K)
80.24
80.22
80.20
80.18
80.16
80.14
80.12
0
50
100
150
Scan

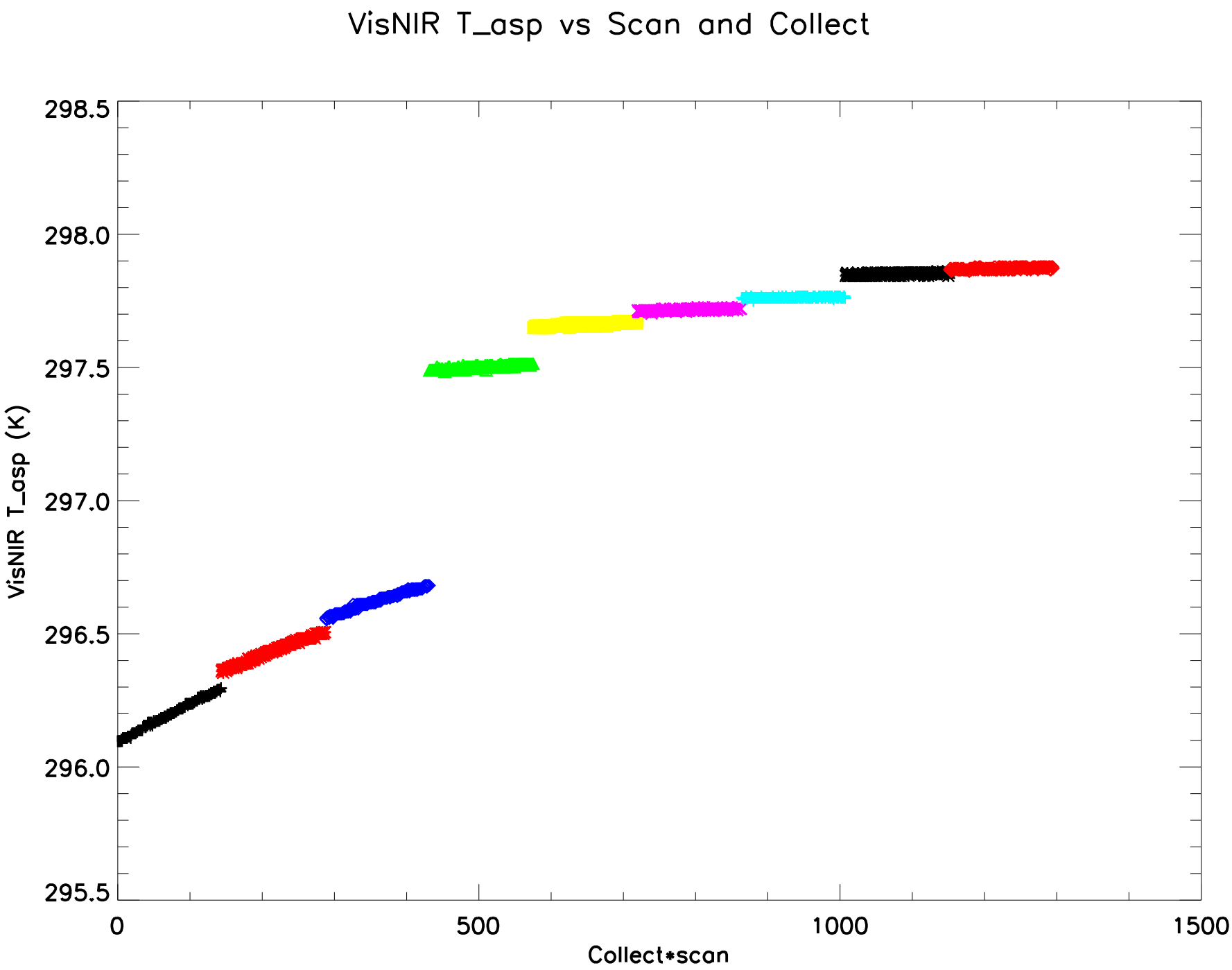

T_cpfa vs Scan: Collect=5
VisNIR
VisNIR T_fpa (K)
262.24
262.22
262.20
262.18
262.16
262.14
262.12
0
50
100
150
Scan
SMWIR
SMWIR T_cfpa (K)
80.06
80.04
80.02
80.00
79.98
79.96
79.94
0
50
100
150
Scan
LWIR
LWIR T_cfpa (K)
80.24
80.22
80.20
80.18
80.16
80.14
80.12
0
50
100
150
Scan

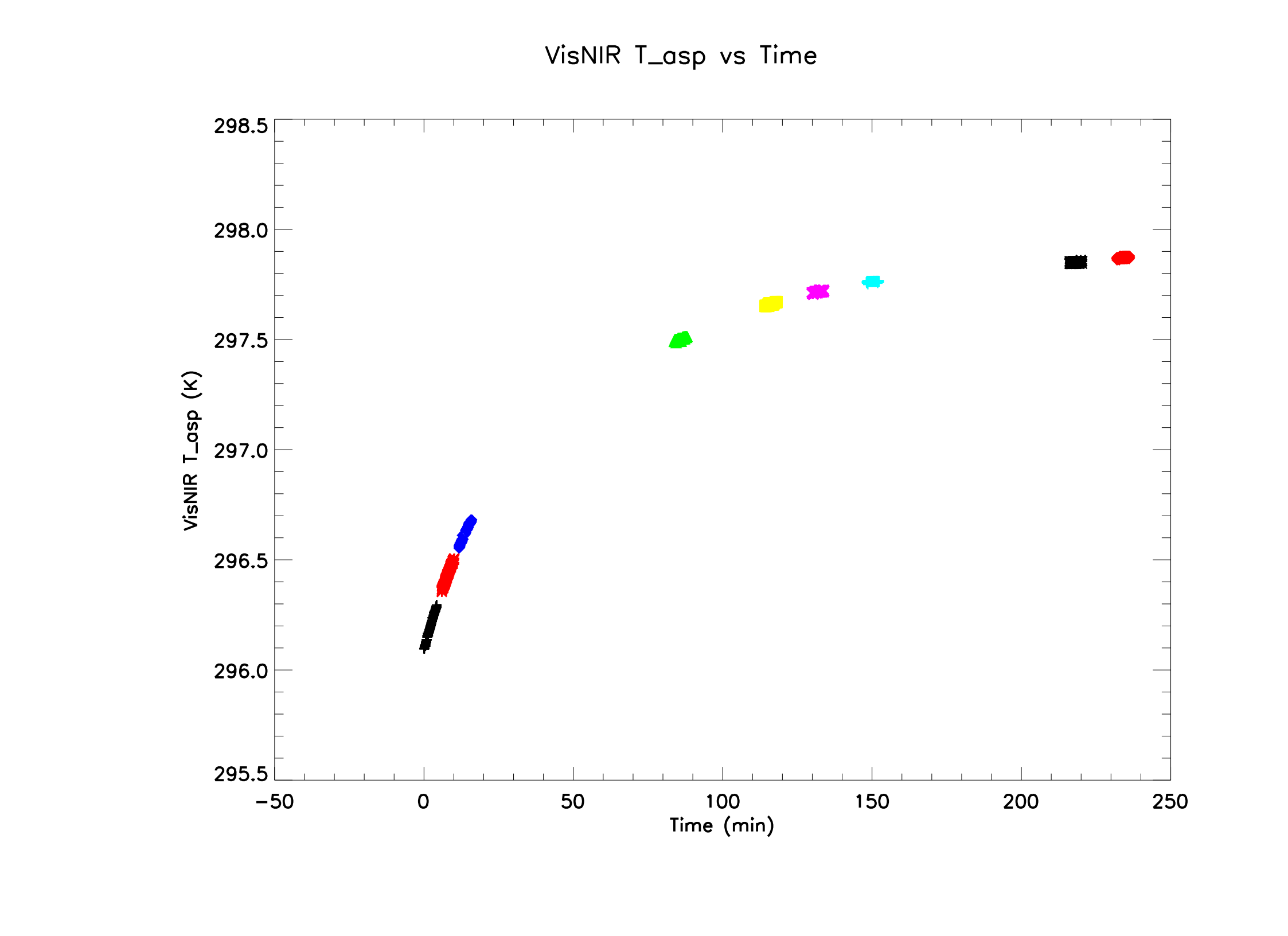

T_cpfa vs Scan: Collect=6
VisNIR
VisNIR T_fpa (K)
262.24
262.22
262.20
262.18
262.16
262.14
262.12
262.10
0
50
100
150
Scan
SMWIR
SMWIR T_cfpa (K)
80.06
80.04
80.02
80.00
79.98
79.96
79.94
0
50
100
150
Scan
LWIR
LWIR T_cfpa (K)
80.24
80.22
80.20
80.18
80.16
80.14
80.12
0
50
100
150
Scan


T_cpfa vs Scan: Collect=7
VisNIR
VisNIR T_fpa (K)
262.24
262.22
262.20
262.18
262.16
262.14
262.12
262.10
0
50
100
150
Scan
SMWIR
SMWIR T_cfpa (K)
80.06
80.04
80.02
80.00
79.98
79.96
79.94
0
50
100
150
Scan
LWIR
LWIR T_cfpa (K)
80.24
80.22
80.20
80.18
80.16
80.14
80.12
0
50
100
150
Scan

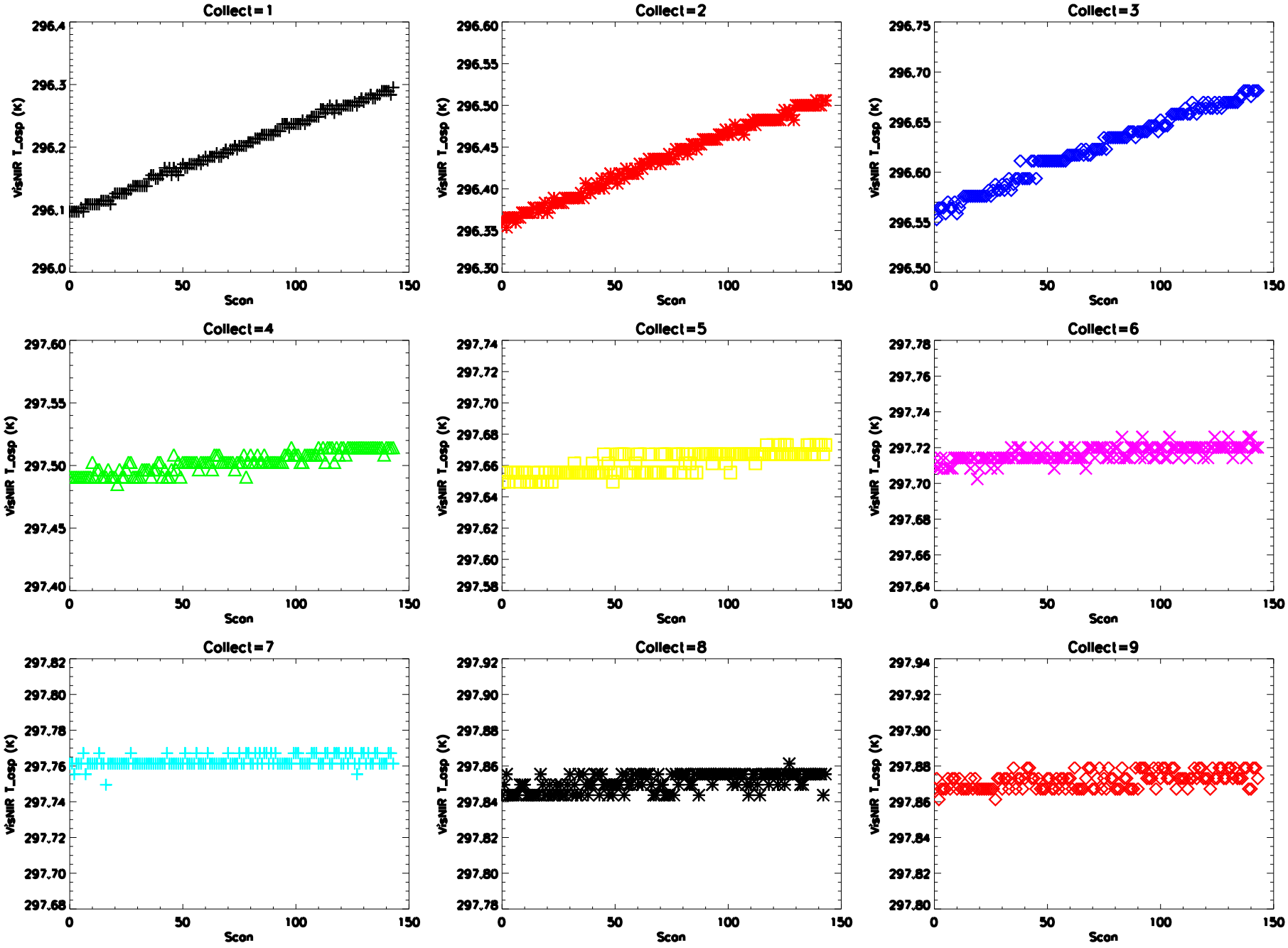

T_cpfa vs Scan: Collect=8
VisNIR
VisNIR T_fpa (K)
262.22
262.20
262.18
262.16
262.14
262.12
262.10
0
50
100
150
Scan
SMWIR
SMWIR T_cfpa (K)
80.08
80.06
80.04
80.02
80.00
79.98
79.96
79.94
0
50
100
150
Scan
LWIR
LWIR T_cfpa (K)
80.24
80.22
80.20
80.18
80.16
80.14
80.12
0
50
100
150
Scan

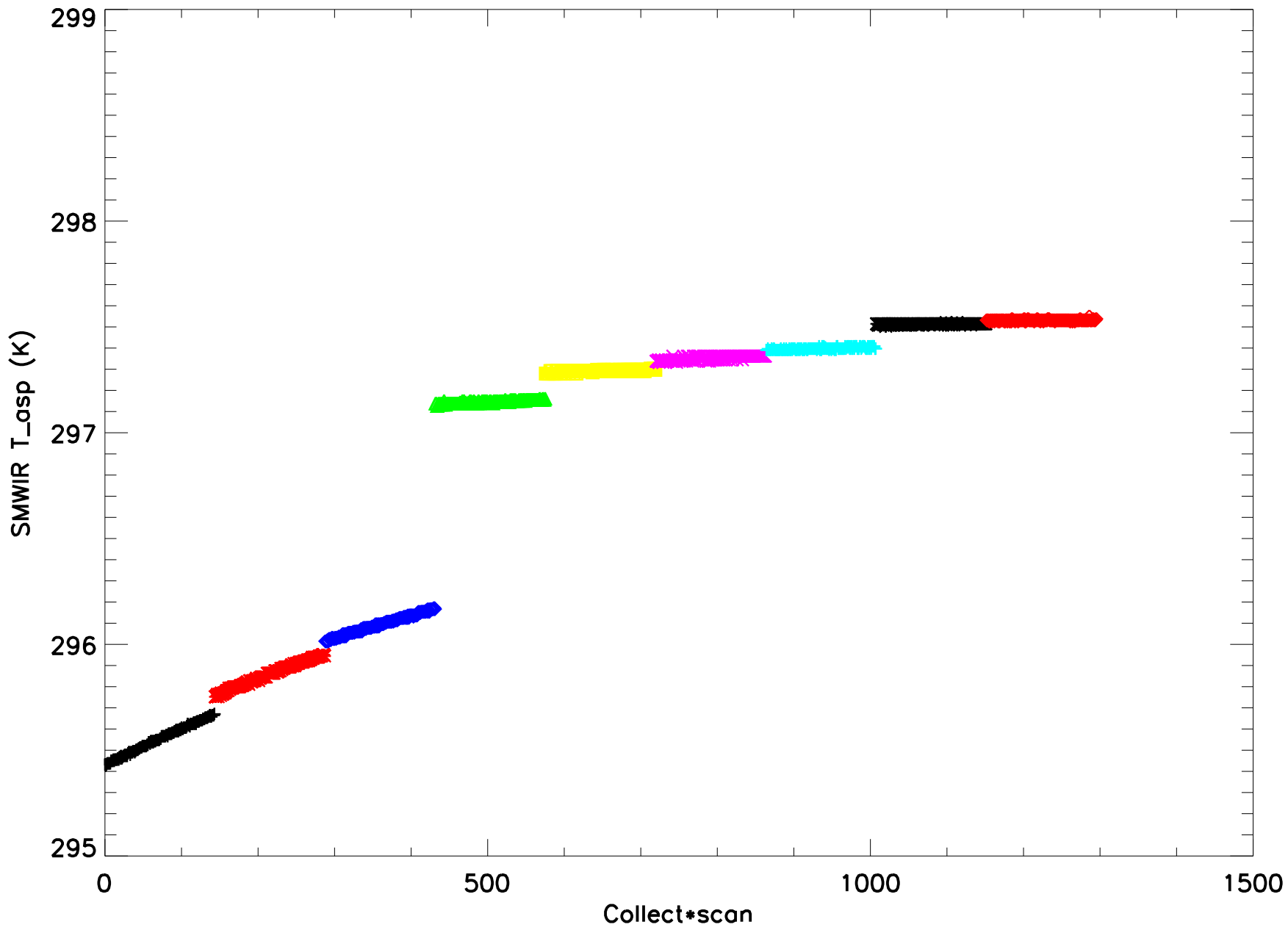

T_cpfa vs Scan: Collect=9
VisNIR
VisNIR T_fpa (K)
262.24
262.22
262.20
262.18
262.16
262.14
262.12
262.10
0
50
100
150
Scan
SMWIR
SMWIR T_cfpa (K)
80.08
80.06
80.04
80.02
80.00
79.98
79.96
79.94
0
50
100
150
Scan
LWIR
LWIR T_cfpa (K)
80.24
80.22
80.20
80.18
80.16
80.14
80.12
0
50
100
150
Scan

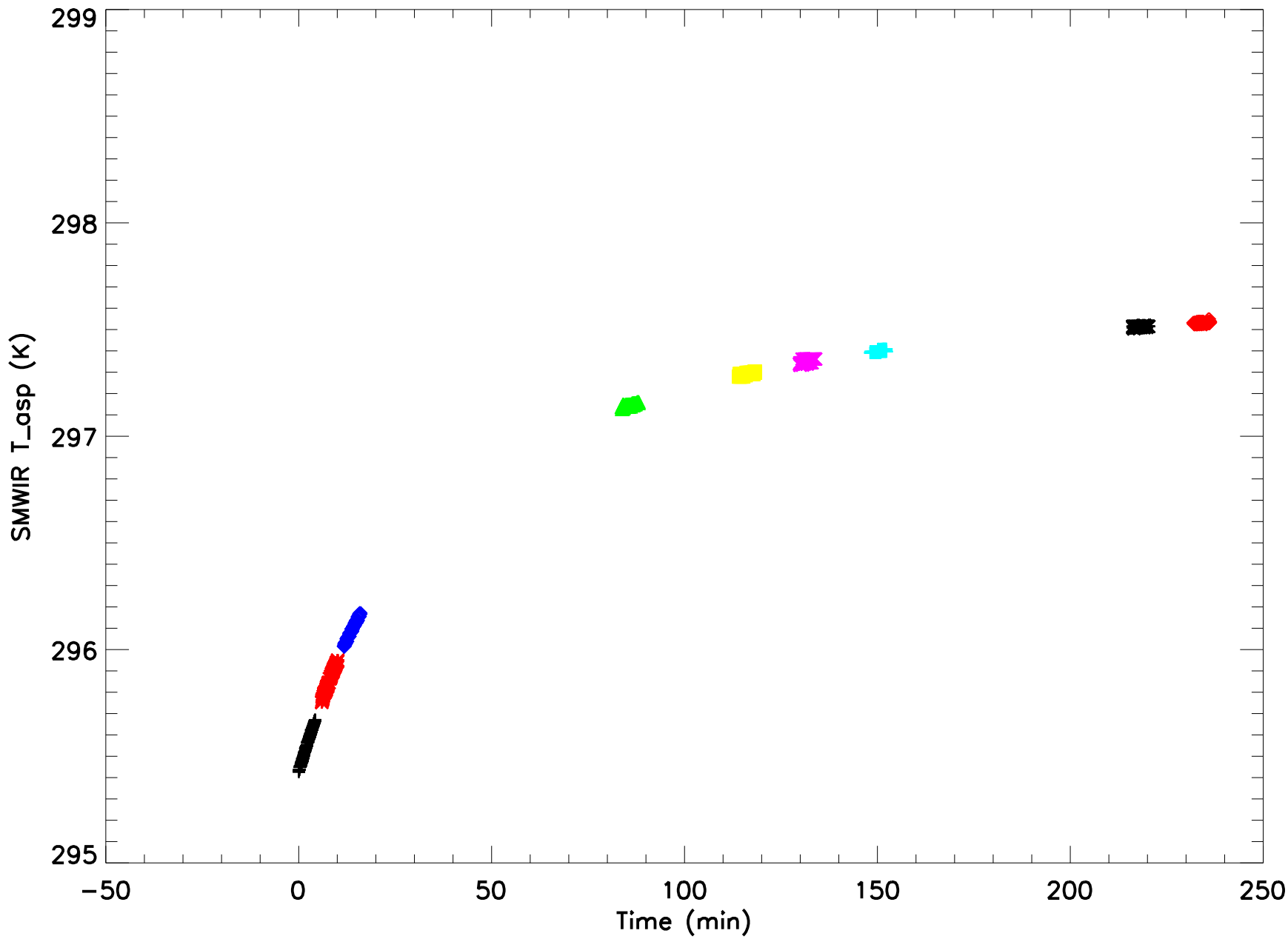

VisNIR T_asp vs Scan and Collect
298.5
298.0
297.5
297.0
296.5
296.0
295.5
VisNIR T_asp (K)
0
500
1000
1500
Collect*scan


VisNIR T_asp vs Time
298.5
298.0
297.5
297.0
296.5
296.0
295.5
VisNIR T_asp (K)
−50
0
50
100
150
200
250
Time (min)

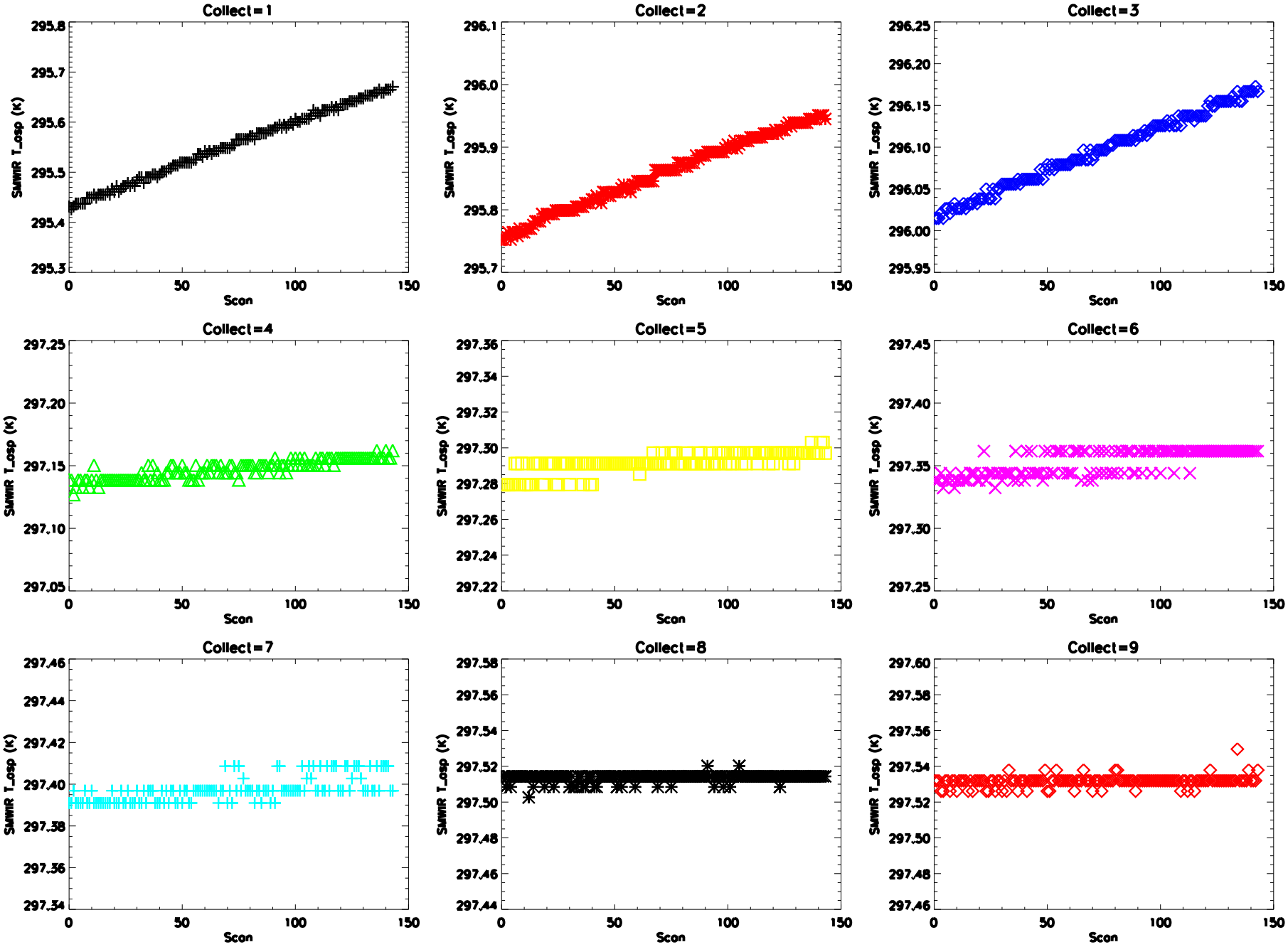
VisNIR T_asp vs Scan

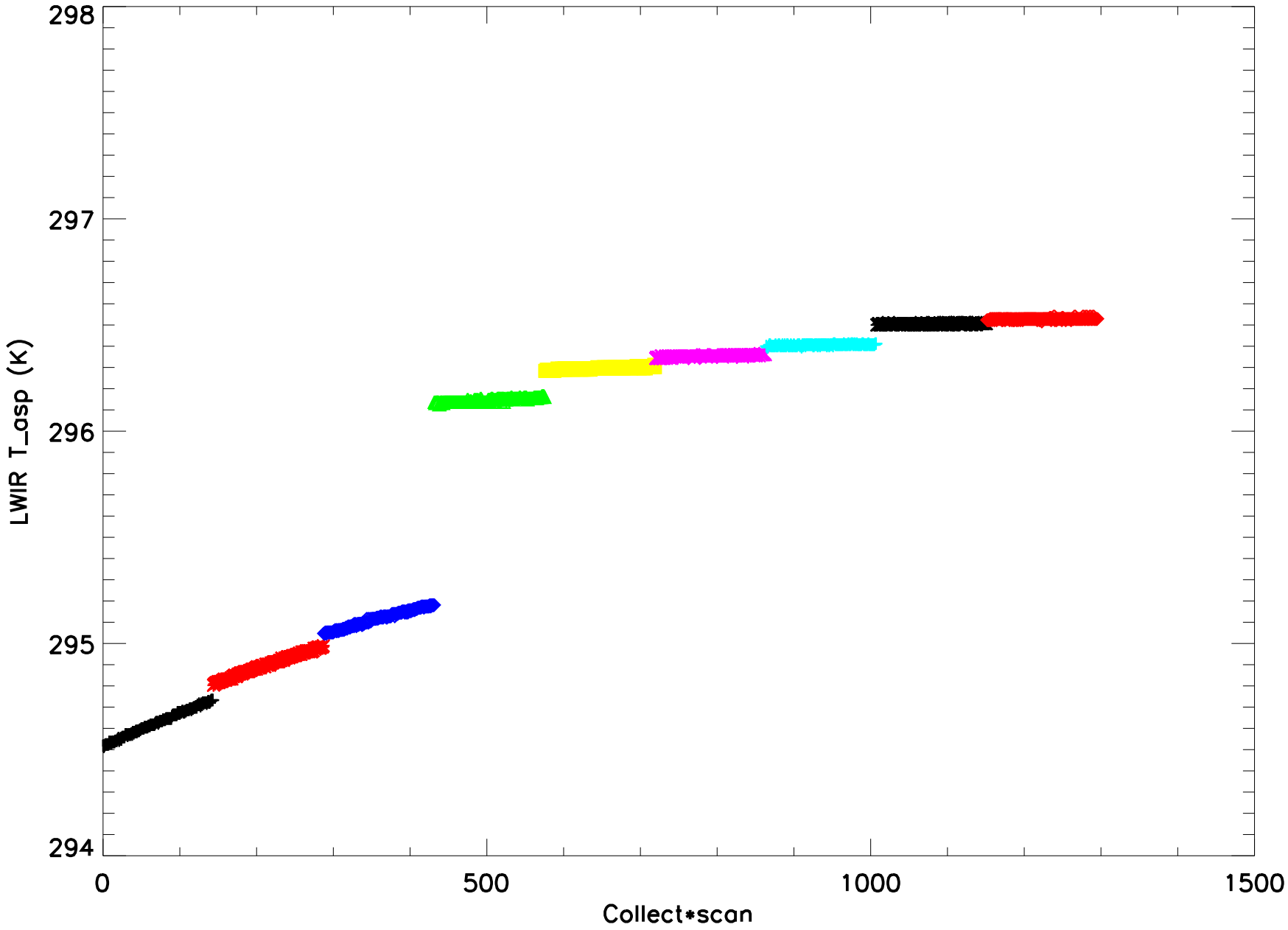


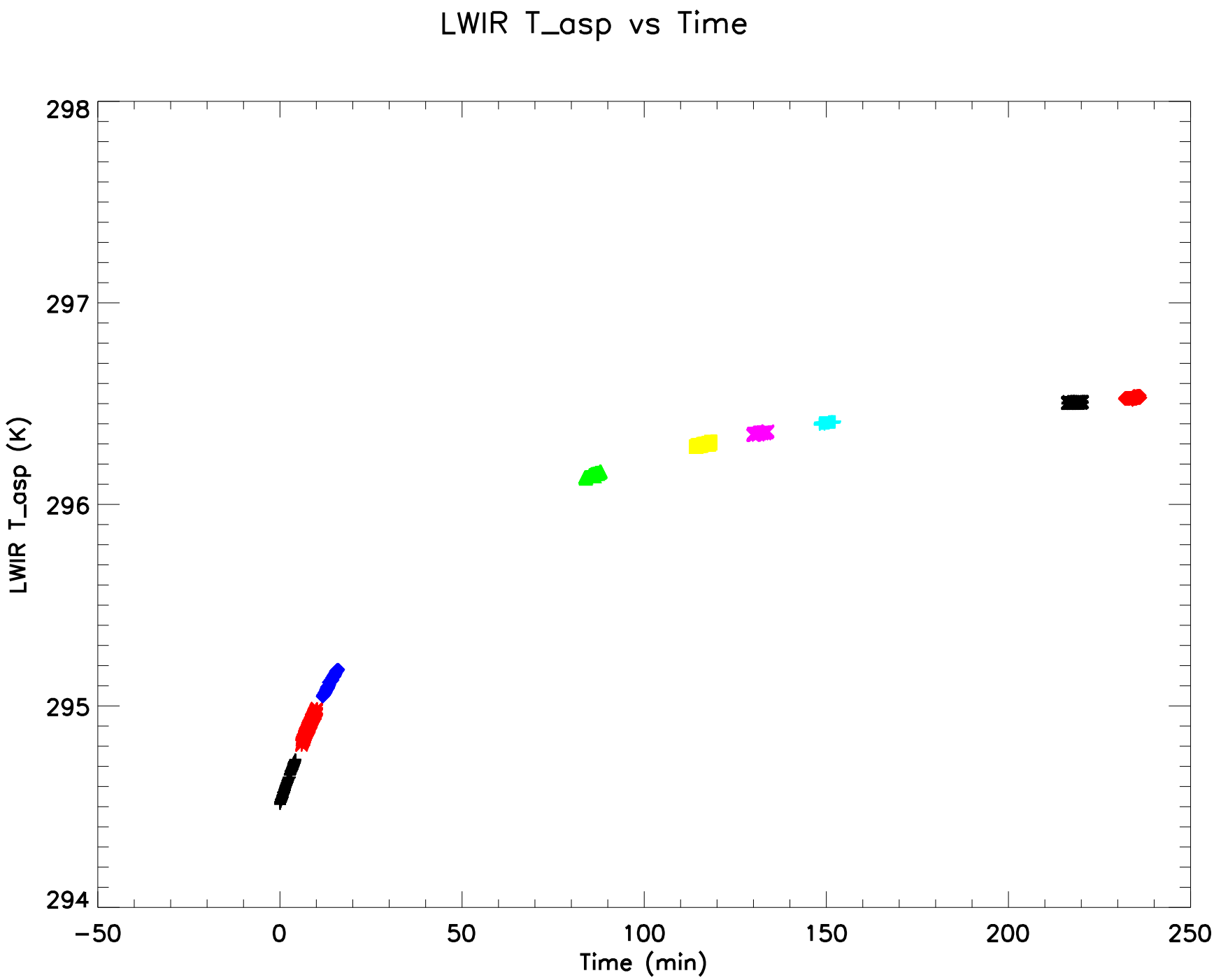

SMWIR T_asp vs Scan and Collect
SMWIR T_asp (K)
299
298
297
296
295
0
500
1000
1500
Collect*scan


SMWIR T_asp vs Time
SMWIR T_asp (K)
299
298
297
296
295
−50
0
50
100
150
200
250
Time (min)

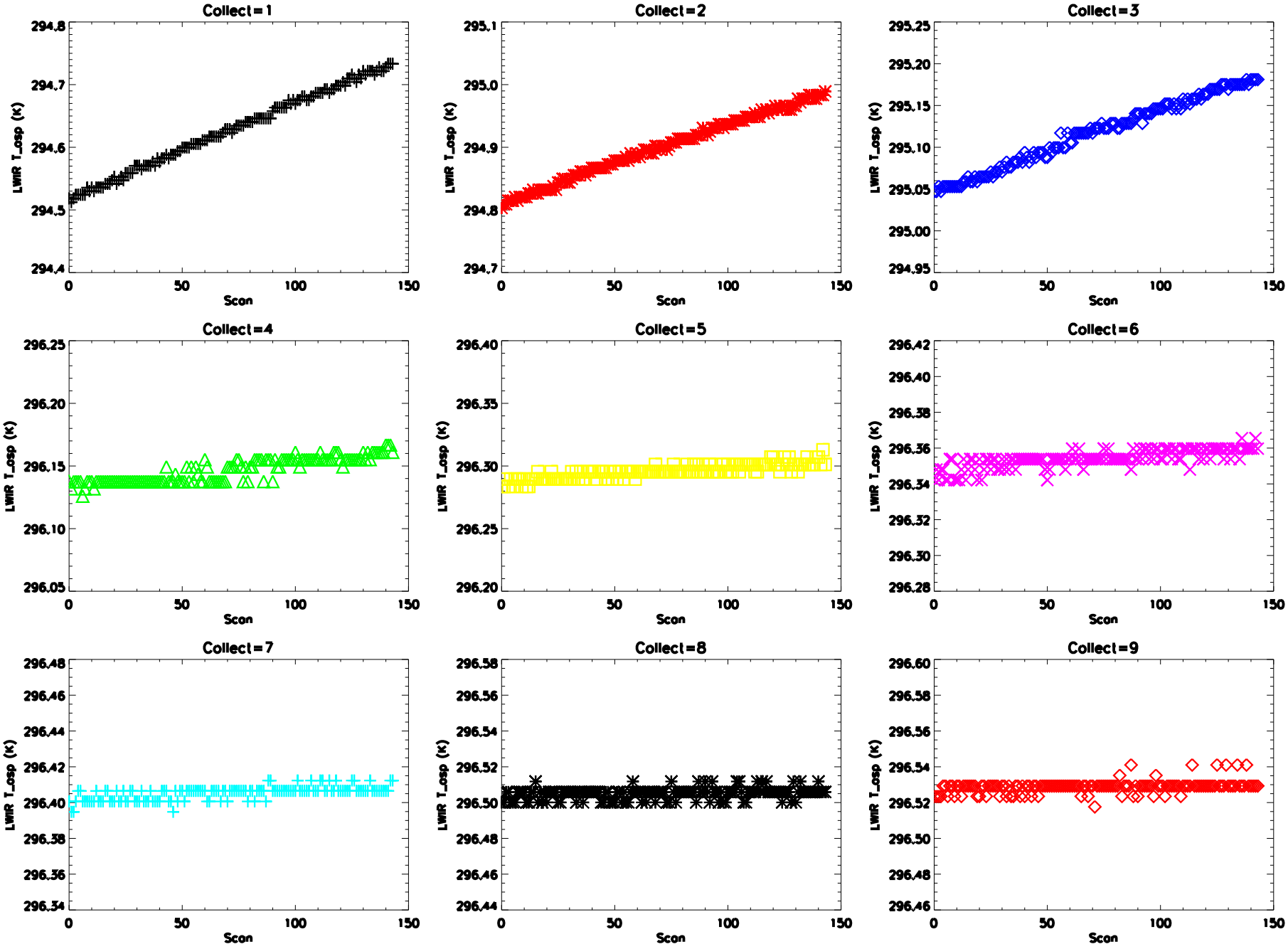
SMWIR T_asp vs Scan

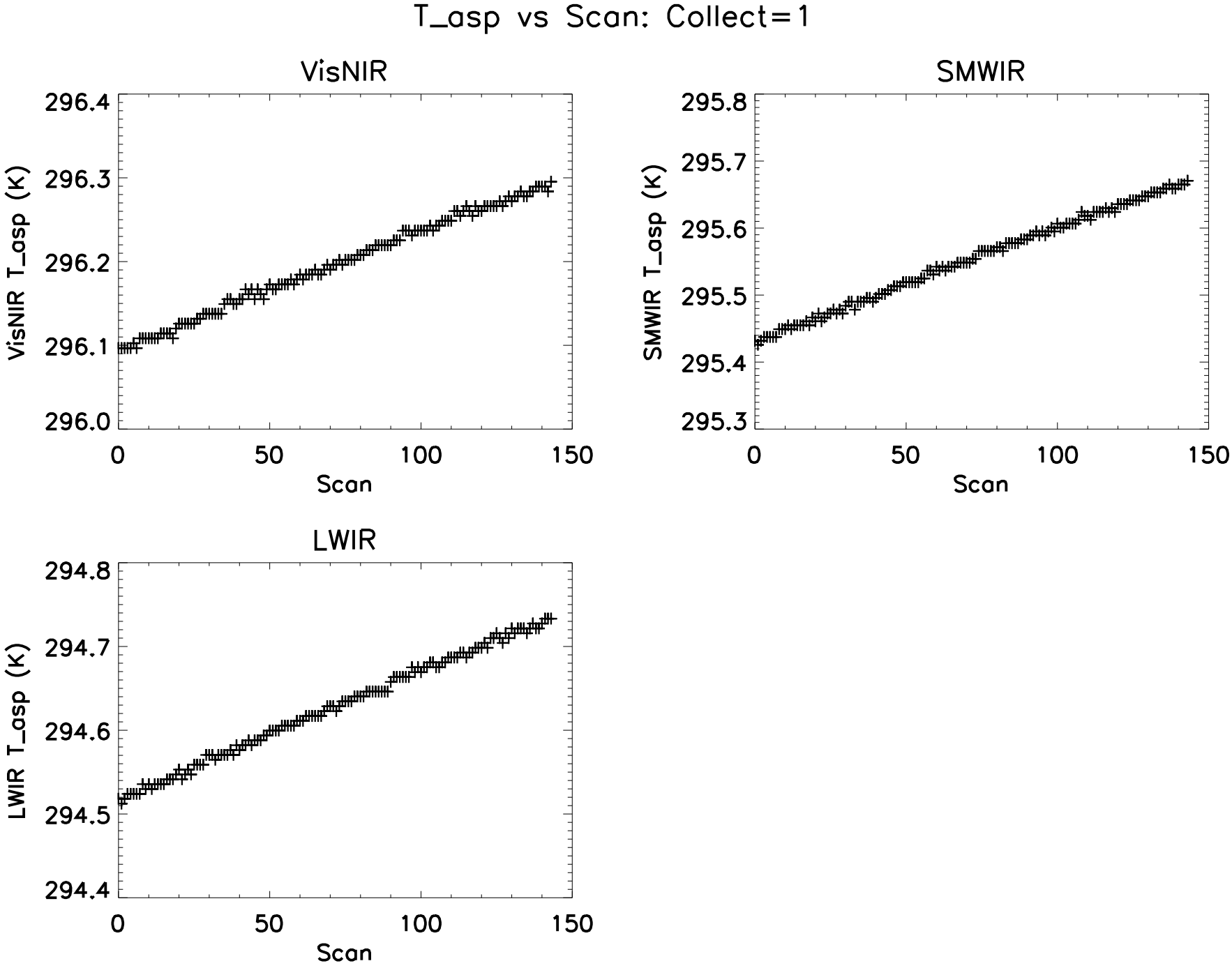


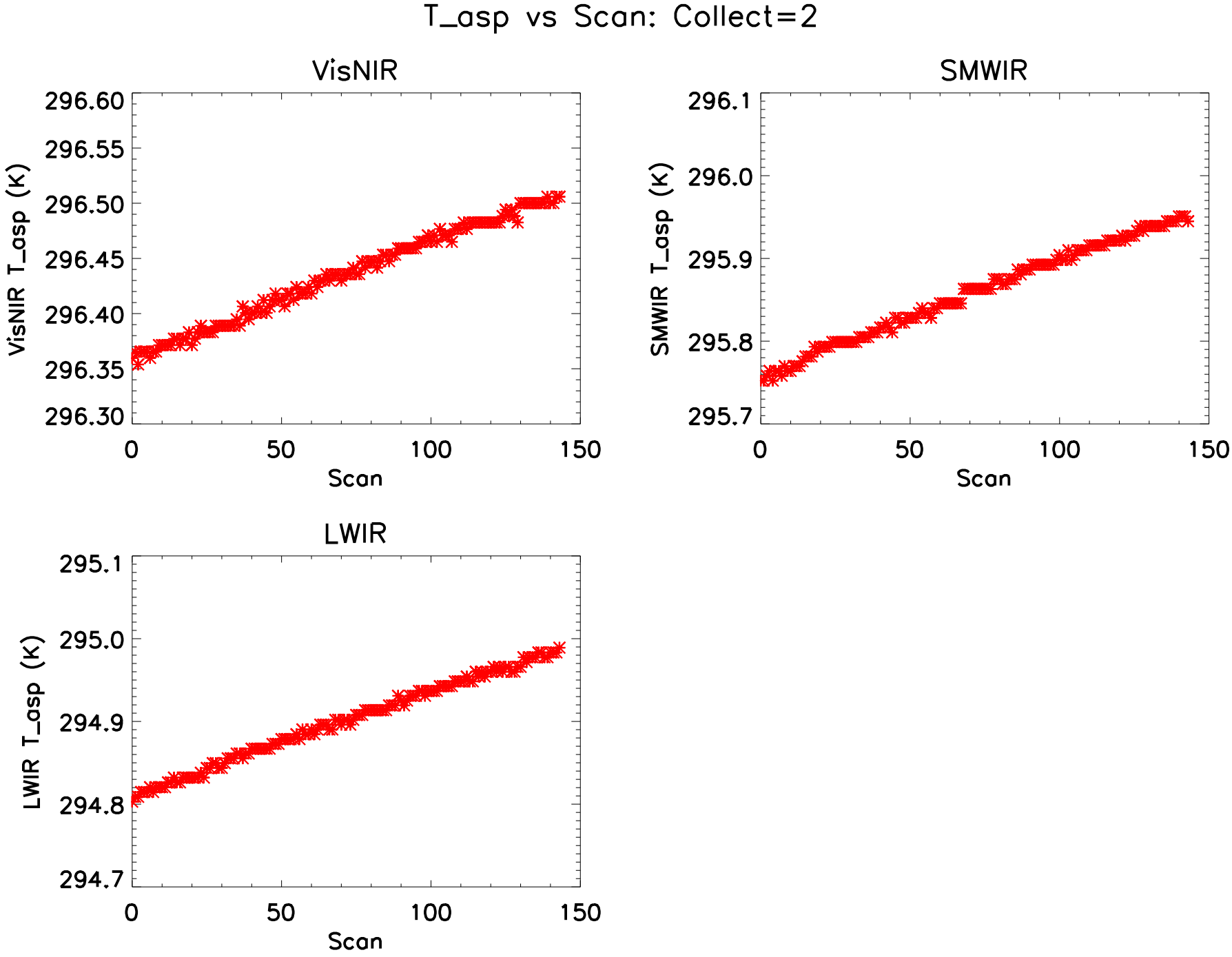

LWIR T_asp vs Scan and Collect
LWIR T_asp (K)
298
297
296
295
294
0
500
1000
1500
Collect*scan

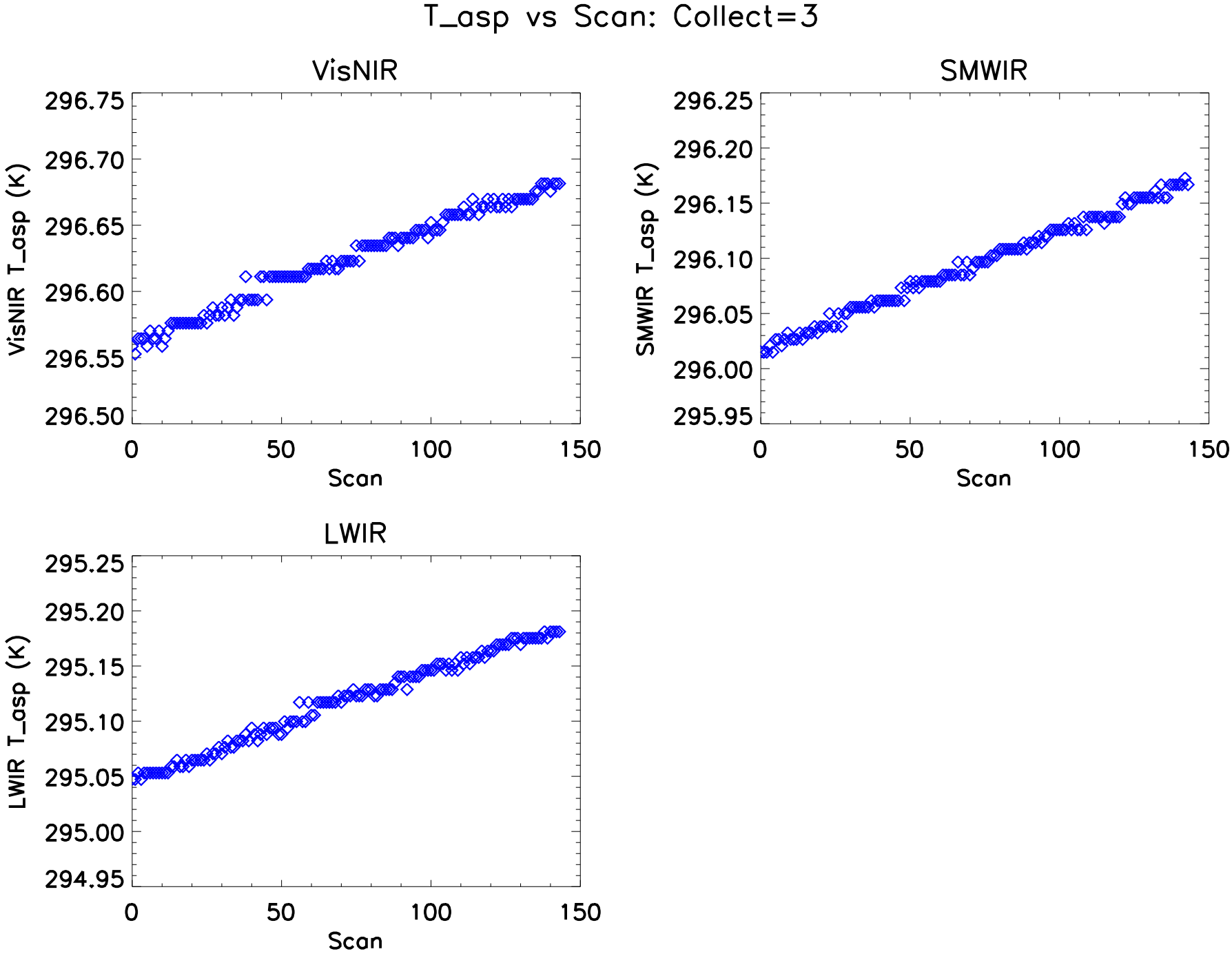

LWIR T_asp vs Time
LWIR T_asp (K)
298
297
296
295
294
−50
0
50
100
150
200
250
Time (min)

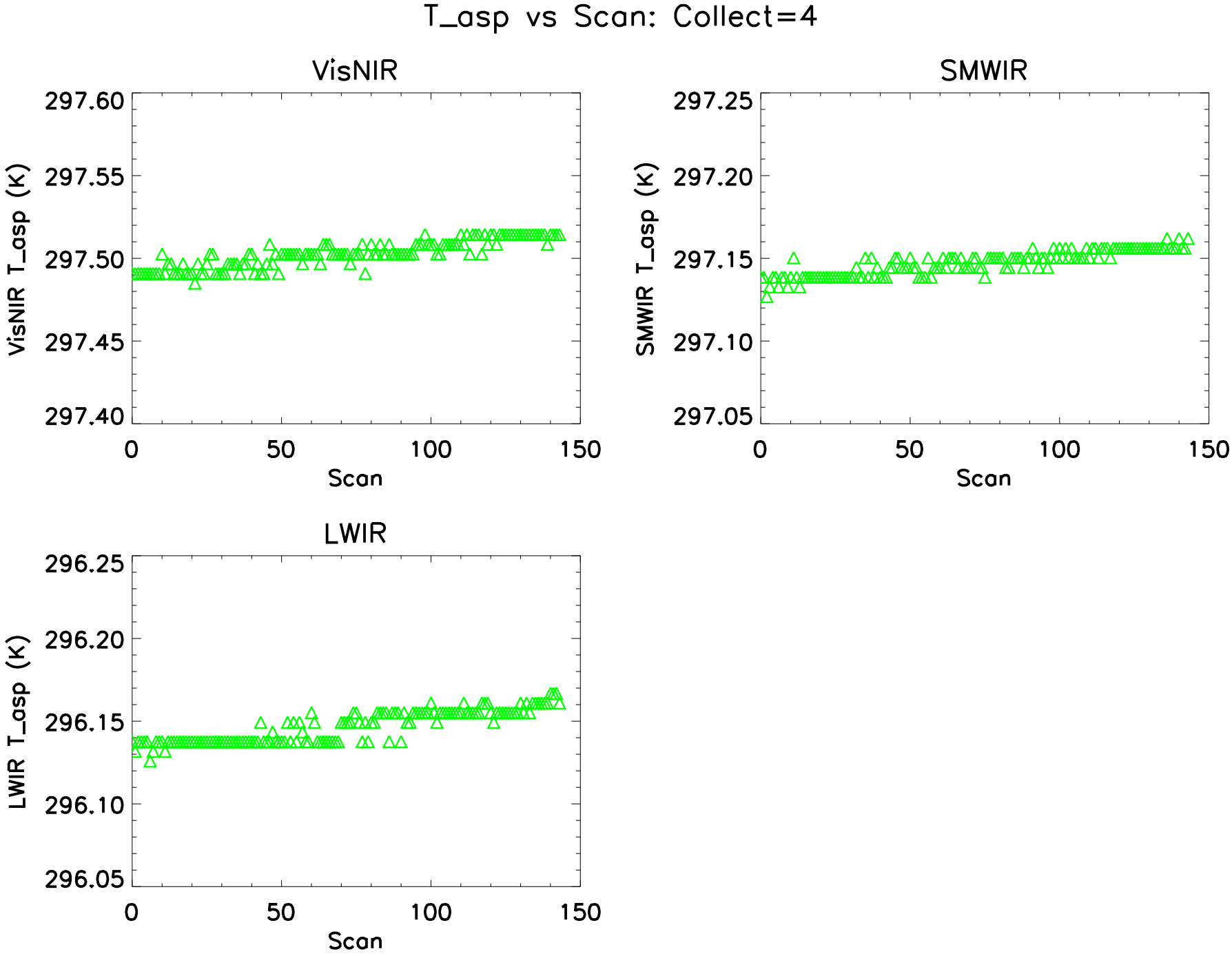
LWIR T_asp vs Scan

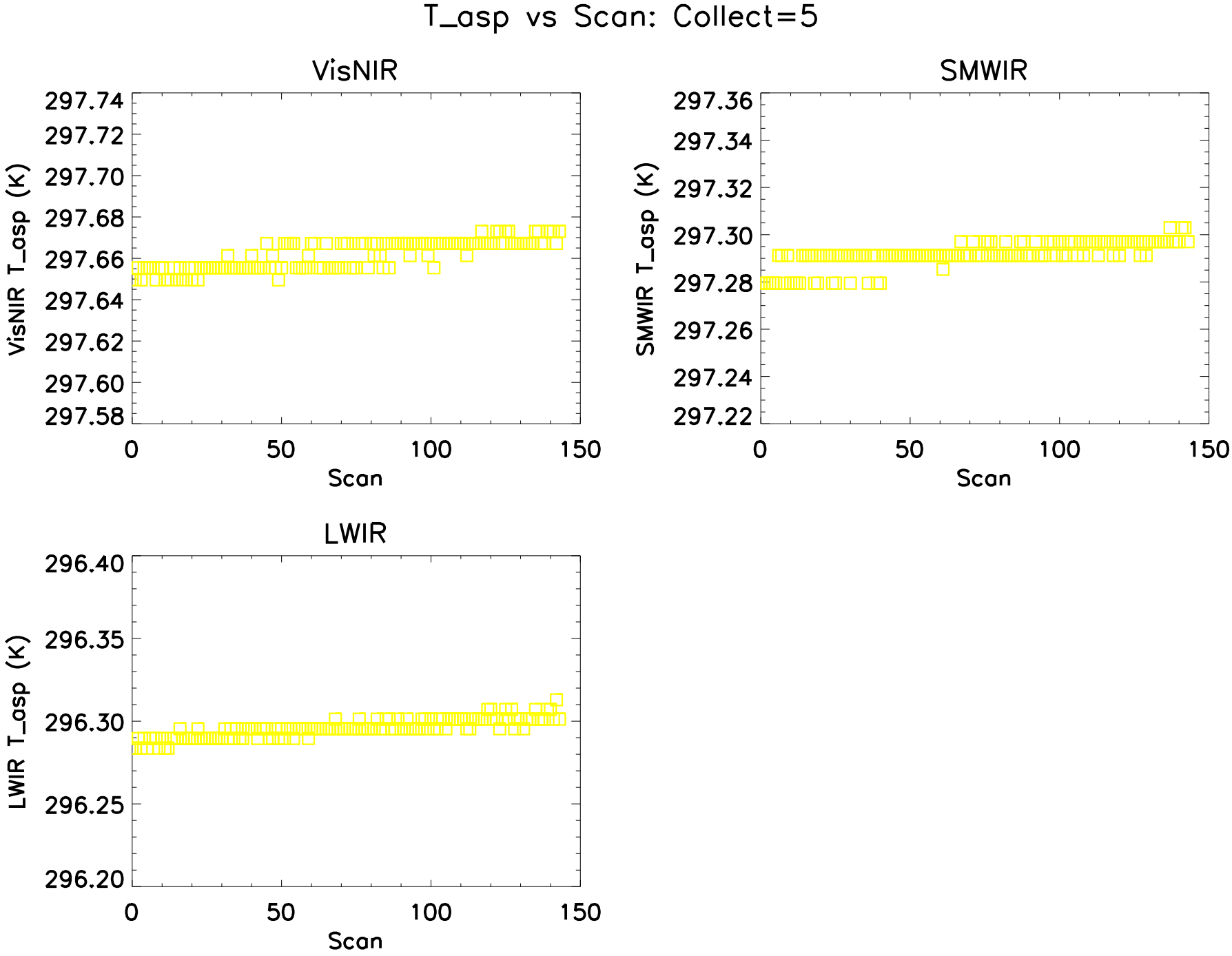


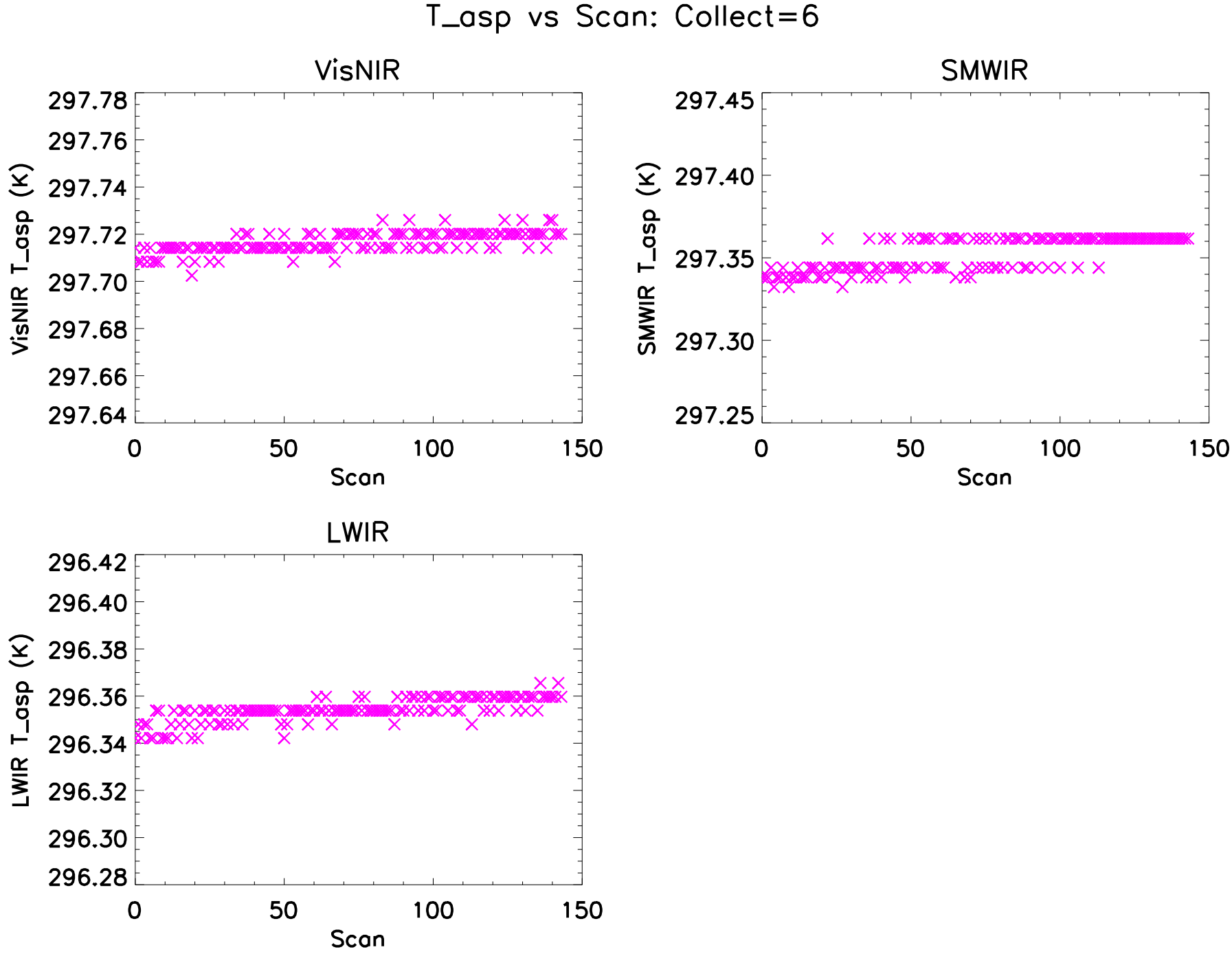

T_asp vs Scan: Collect=1
VisNIR
VisNIR T_asp (K)
296.4
296.3
296.2
296.1
296.0
0
50
100
150
Scan
SMWIR
SMWIR T_asp (K)
295.8
295.7
295.6
295.5
295.4
295.3
0
50
100
150
Scan
LWIR
LWIR T_asp (K)
294.8
294.7
294.6
294.5
294.4
0
50
100
150
Scan

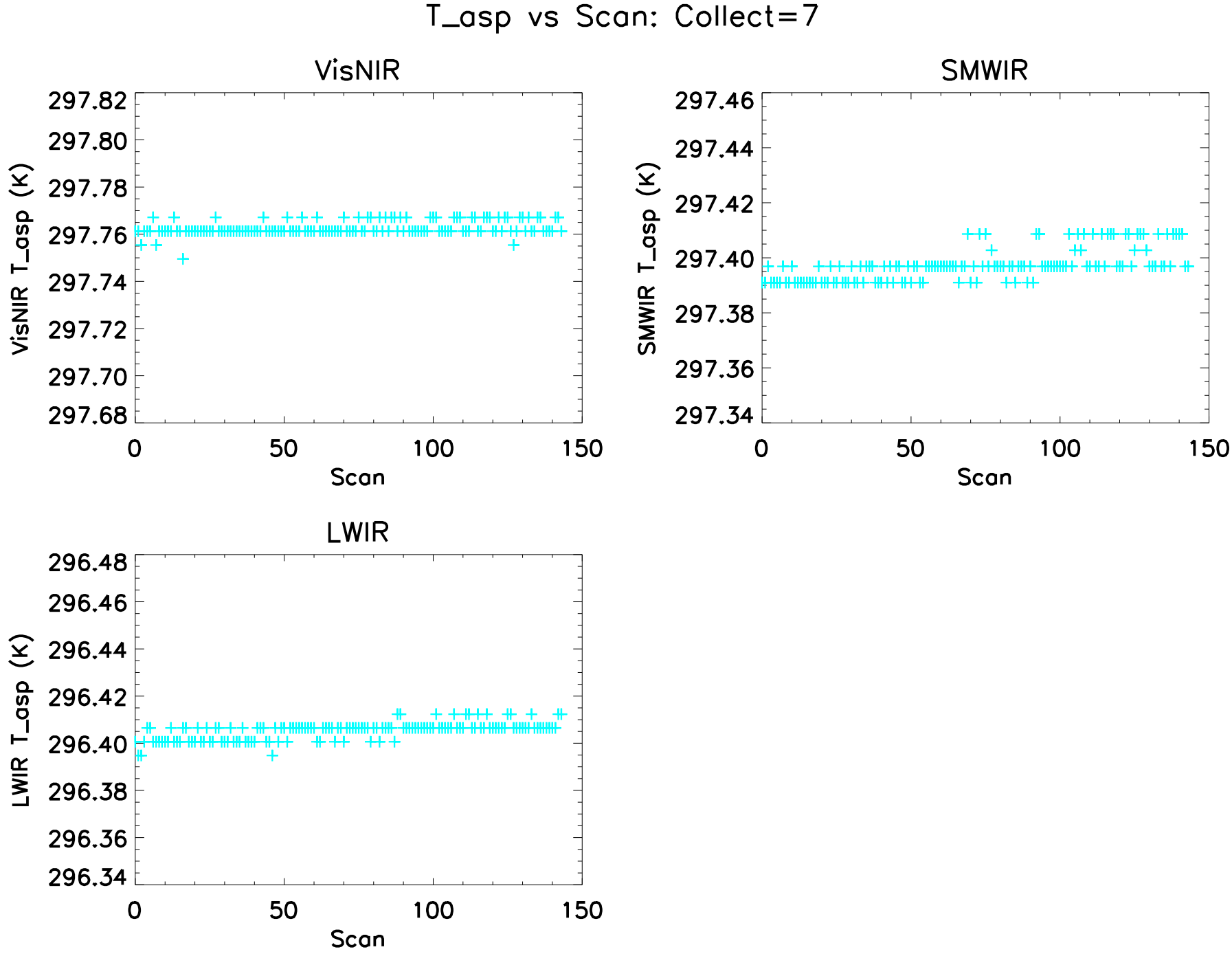

T_asp vs Scan: Collect=2
VisNIR
VisNIR T_asp (K)
296.60
296.55
296.50
296.45
296.40
296.35
296.30
0
50
100
150
Scan
SMWIR
SMWIR T_asp (K)
296.1
296.0
295.9
295.8
295.7
0
50
100
150
Scan
LWIR
LWIR T_asp (K)
295.1
295.0
294.9
294.8
294.7
0
50
100
150
Scan

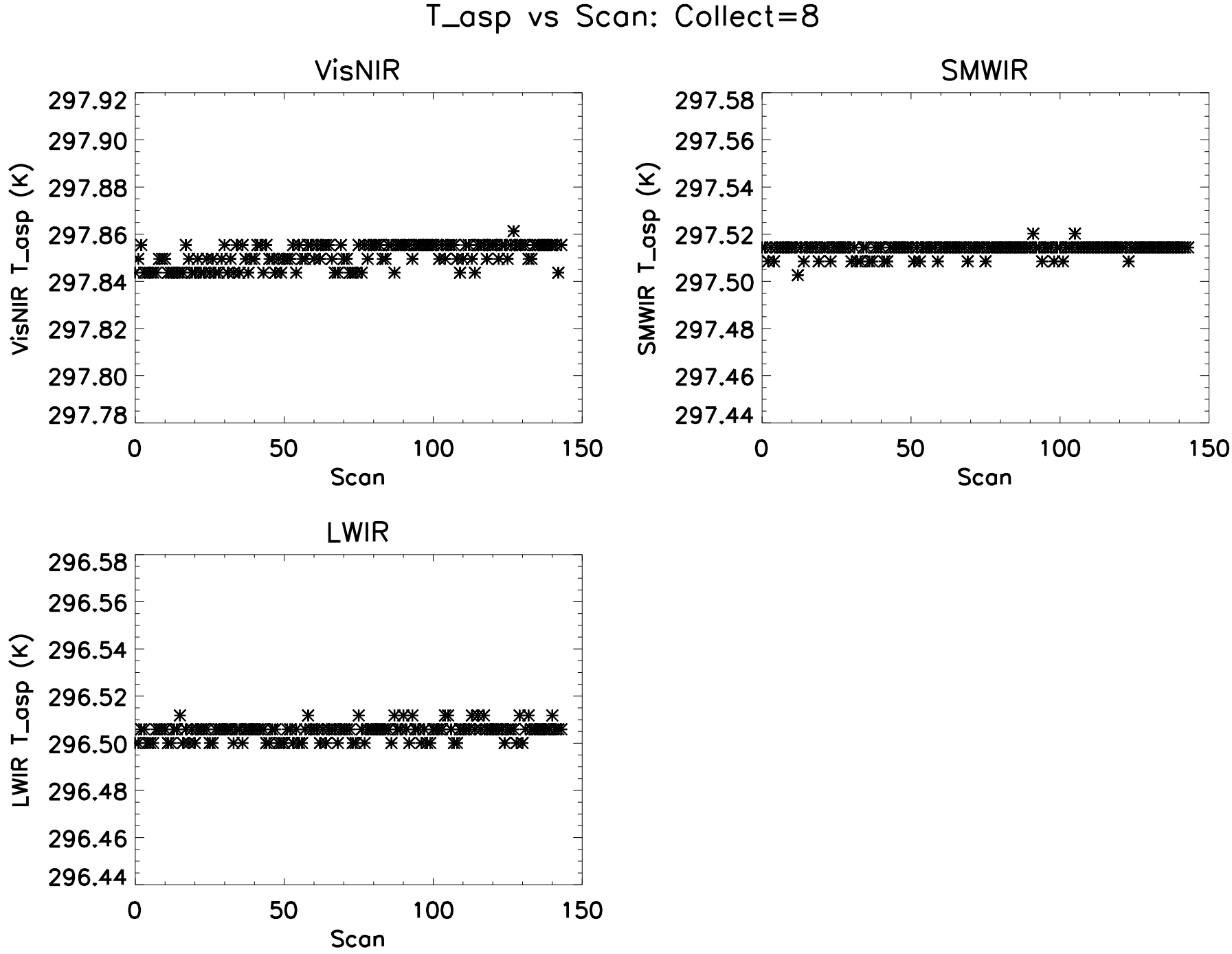

T_asp vs Scan: Collect=3
VisNIR
VisNIR T_asp (K)
296.75
296.70
296.65
296.60
296.55
296.50
0
50
100
150
Scan
SMWIR
SMWIR T_asp (K)
296.25
296.20
296.15
296.10
296.05
296.00
295.95
0
50
100
150
Scan
LWIR
LWIR T_asp (K)
295.25
295.20
295.15
295.10
295.05
295.00
294.95
0
50
100
150
Scan

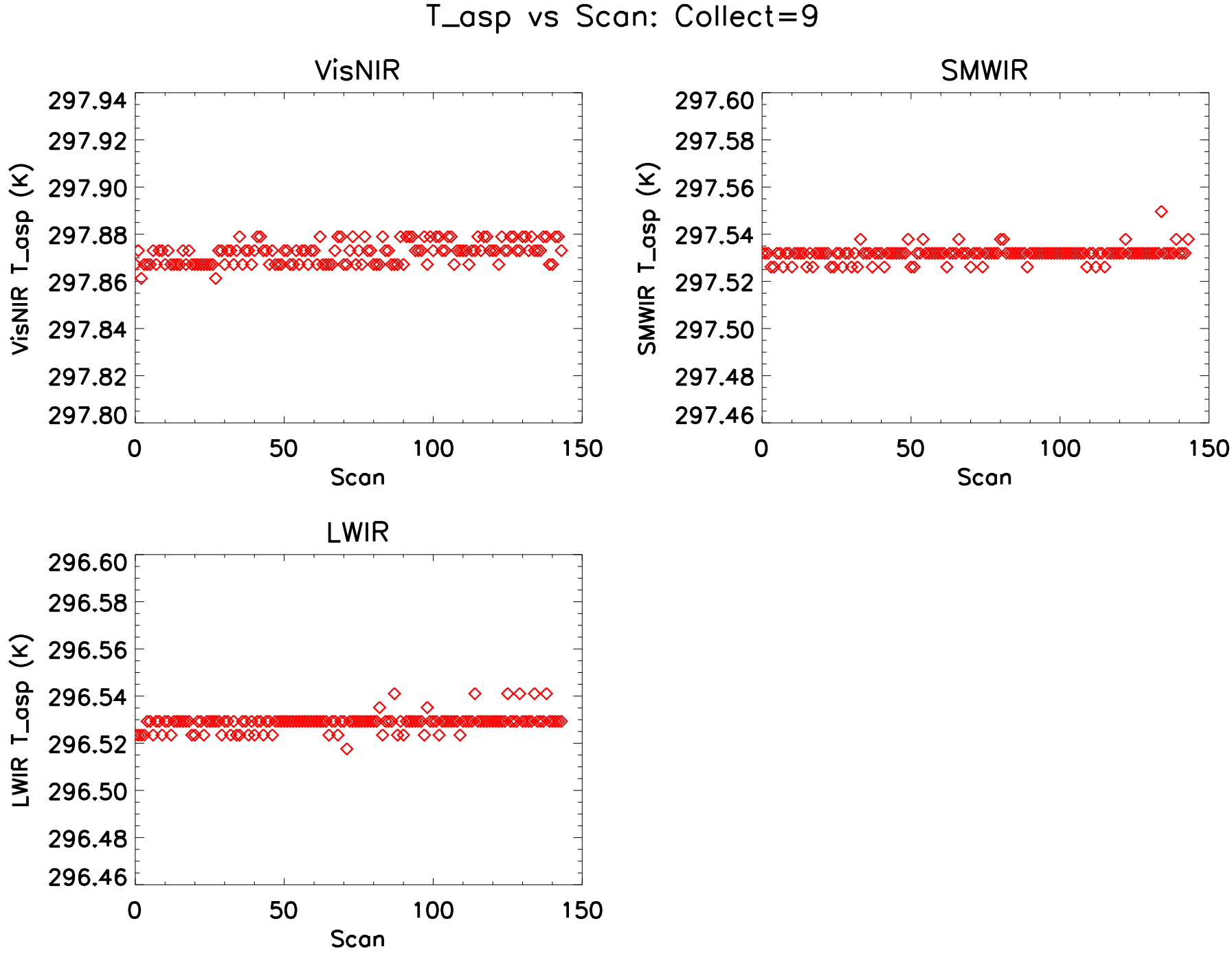

T_asp vs Scan: Collect=4
VisNIR
VisNIR T_asp (K)
297.60
297.55
297.50
297.45
297.40
0
50
100
150
Scan
SMWIR
SMWIR T_asp (K)
297.25
297.20
297.15
297.10
297.05
0
50
100
150
Scan
LWIR
LWIR T_asp (K)
296.25
296.20
296.15
296.10
296.05
0
50
100
150
Scan

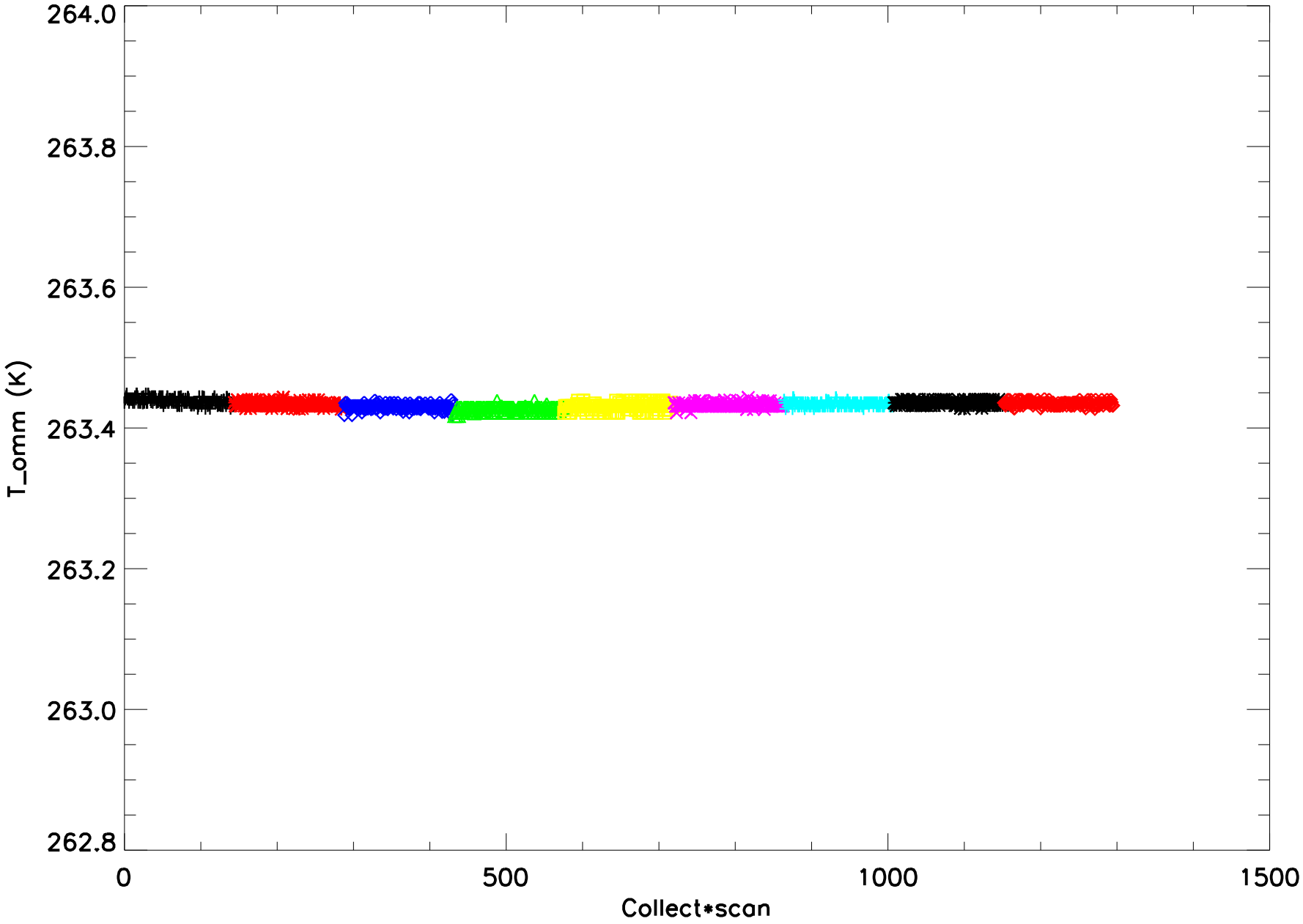

T_asp vs Scan: Collect=5
VisNIR
VisNIR T_asp (K)
297.74
297.72
297.70
297.68
297.66
297.64
297.62
297.60
297.58
0
50
100
150
Scan
SMWIR
SMWIR T_asp (K)
297.36
297.34
297.32
297.30
297.28
297.26
297.24
297.22
0
50
100
150
Scan
LWIR
LWIR T_asp (K)
296.40
296.35
296.30
296.25
296.20
0
50
100
150
Scan

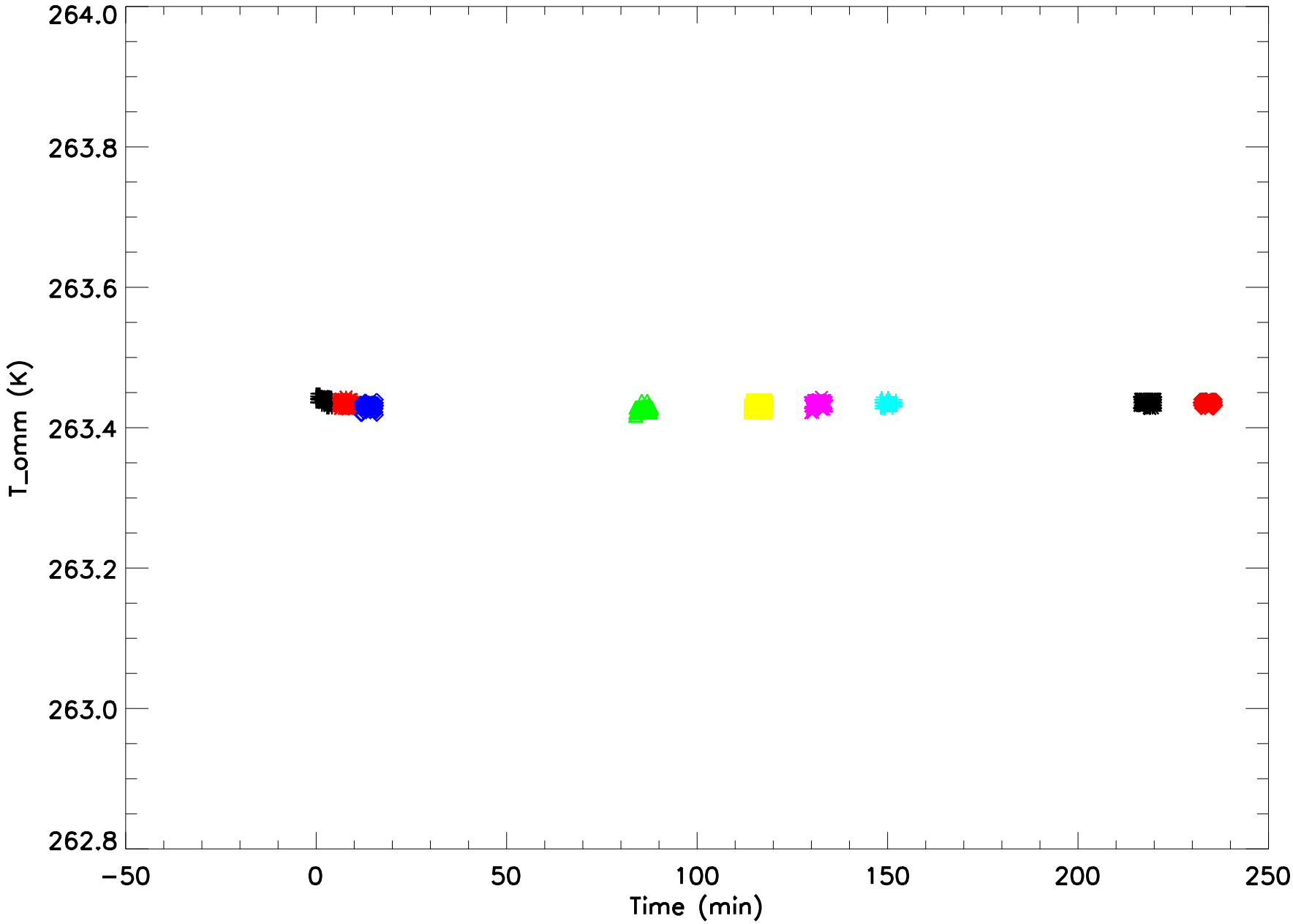

T_asp vs Scan: Collect=6
VisNIR
VisNIR T_asp (K)
297.78
297.76
297.74
297.72
297.70
297.68
297.66
297.64
0
50
100
150
Scan
SMWIR
SMWIR T_asp (K)
297.45
297.40
297.35
297.30
297.25
0
50
100
150
Scan
LWIR
LWIR T_asp (K)
296.42
296.40
296.38
296.36
296.34
296.32
296.30
296.28
0
50
100
150
Scan


T_asp vs Scan: Collect=7
VisNIR
VisNIR T_asp (K)
297.82
297.80
297.78
297.76
297.74
297.72
297.70
297.68
0
50
100
150
Scan
SMWIR
SMWIR T_asp (K)
297.46
297.44
297.42
297.40
297.38
297.36
297.34
0
50
100
150
Scan
LWIR
LWIR T_asp (K)
296.48
296.46
296.44
296.42
296.40
296.38
296.36
296.34
0
50
100
150
Scan

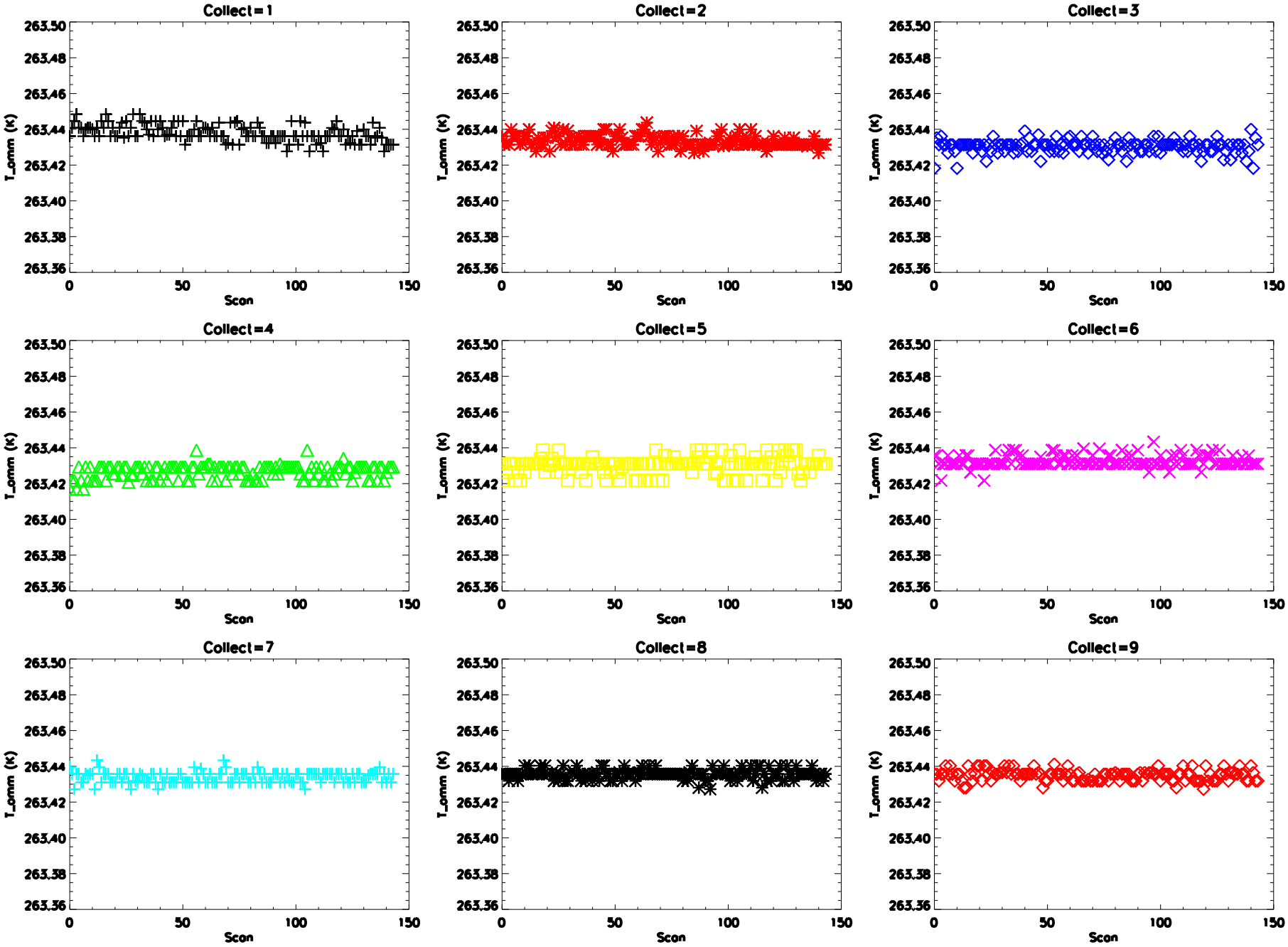

T_asp vs Scan: Collect=8
VisNIR
VisNIR T_asp (K)
297.92
297.90
297.88
297.86
297.84
297.82
297.80
297.78
0
50
100
150
Scan
SMWIR
SMWIR T_asp (K)
297.58
297.56
297.54
297.52
297.50
297.48
297.46
297.44
0
50
100
150
Scan
LWIR
LWIR T_asp (K)
296.58
296.56
296.54
296.52
296.50
296.48
296.46
296.44
0
50
100
150
Scan


T_asp vs Scan: Collect=9
VisNIR
VisNIR T_asp (K)
297.94
297.92
297.90
297.88
297.86
297.84
297.82
297.80
0
50
100
150
Scan
SMWIR
SMWIR T_asp (K)
297.60
297.58
297.56
297.54
297.52
297.50
297.48
297.46
0
50
100
150
Scan
LWIR
LWIR T_asp (K)
296.60
296.58
296.56
296.54
296.52
296.50
296.48
296.46
0
50
100
150
Scan


T_omm vs Scan and Collect
264.0
263.8
263.6
263.4
263.2
263.0
262.8
T_omm (K)
0
500
1000
1500
Collect*scan


T_omm vs Time
264.0
263.8
263.6
263.4
263.2
263.0
262.8
T_omm (K)
−50
0
50
100
150
200
250
Time (min)

T_omm vs Scan


Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
T_omm (K)
263.50
263.48
263.46
263.44
263.42
263.40
263.38
263.36
0
50
100
150
Scan