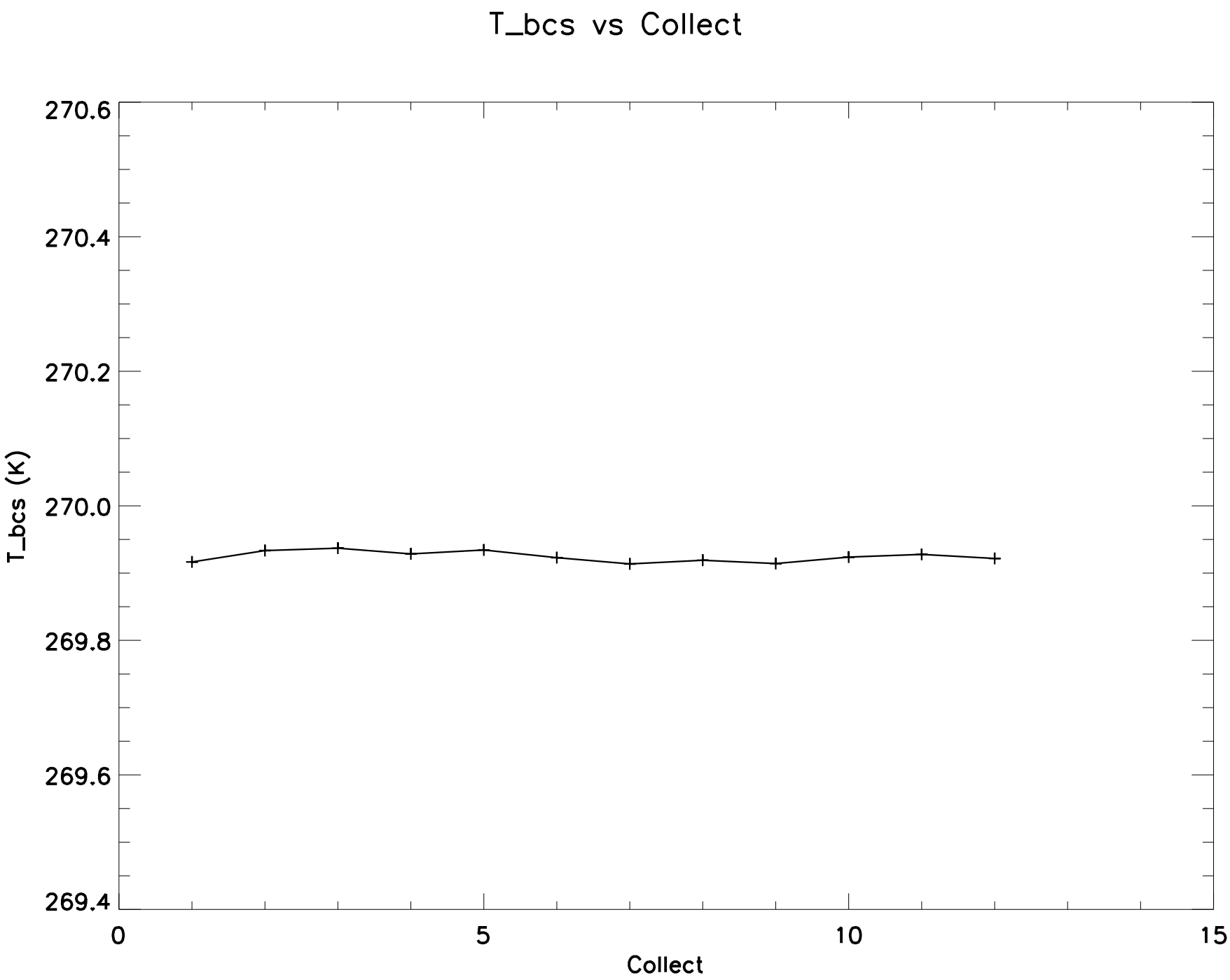
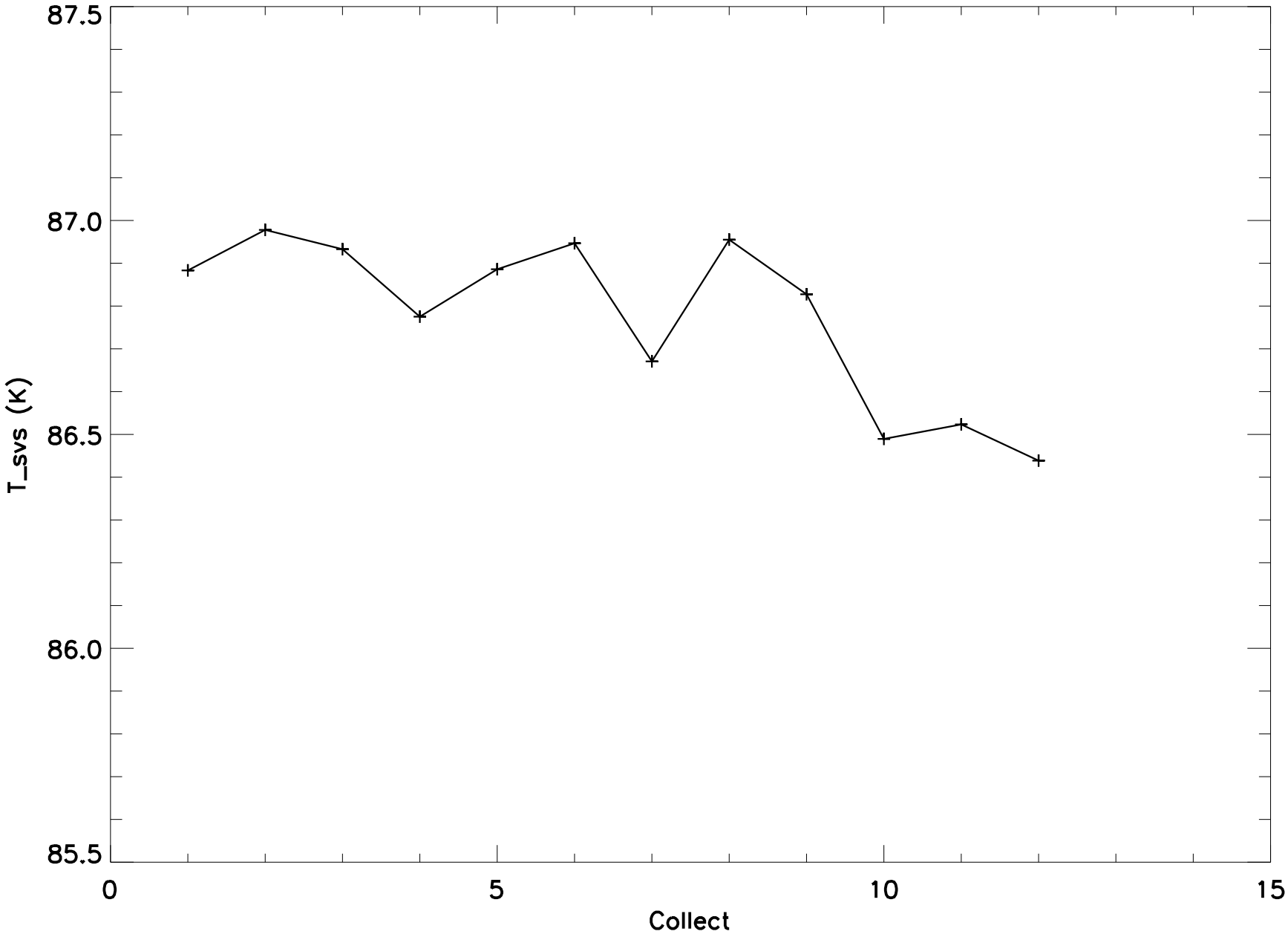
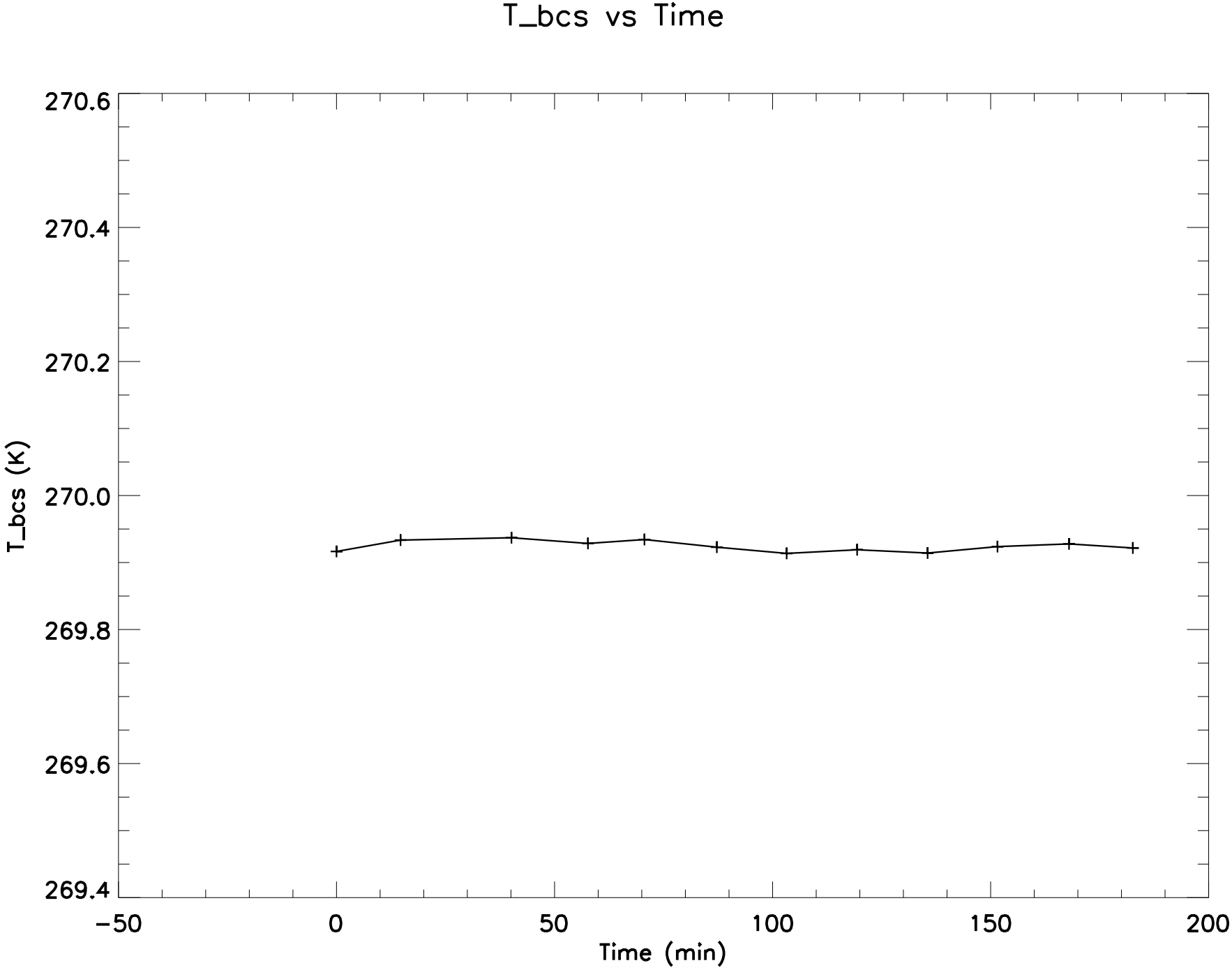
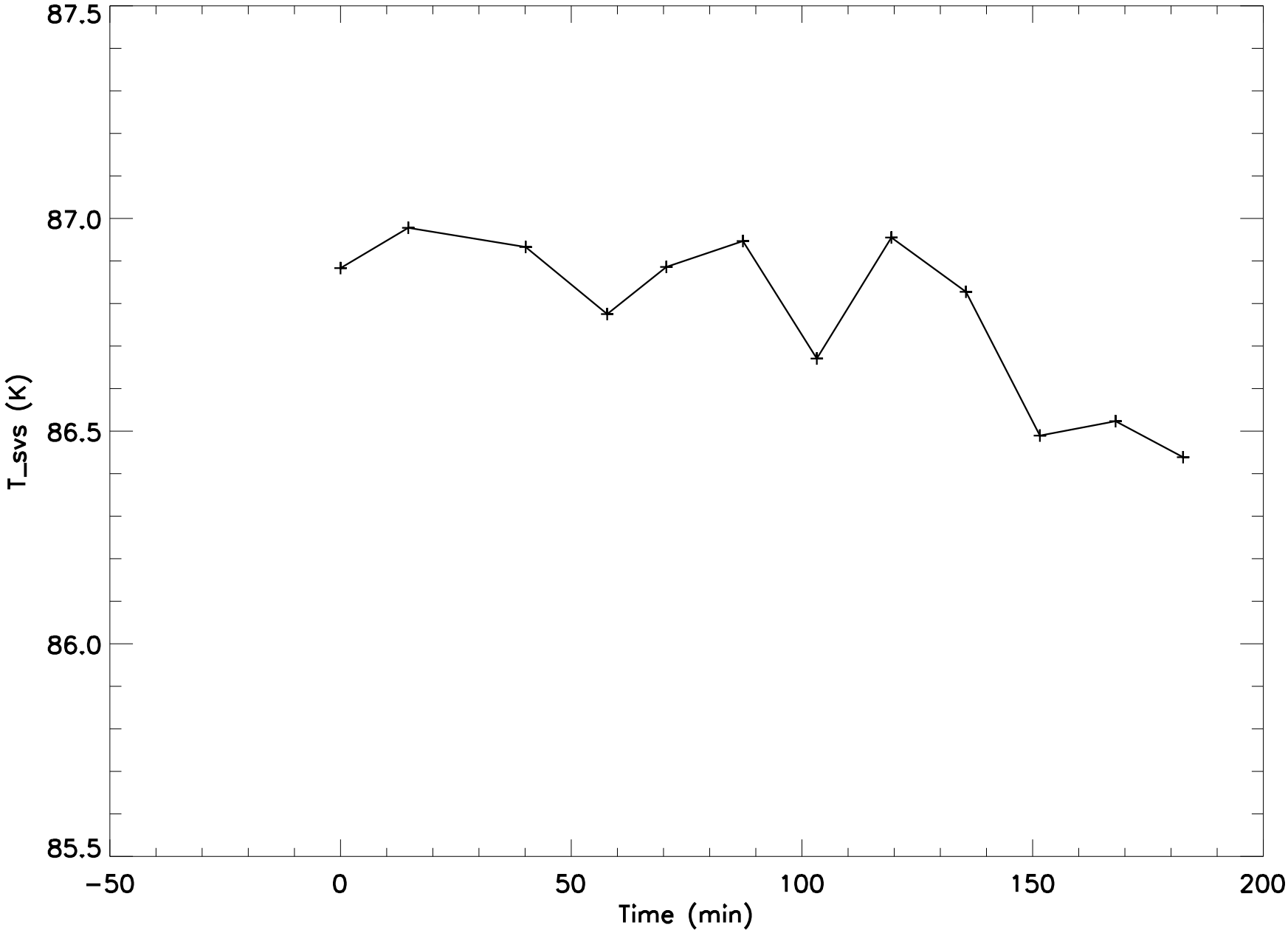
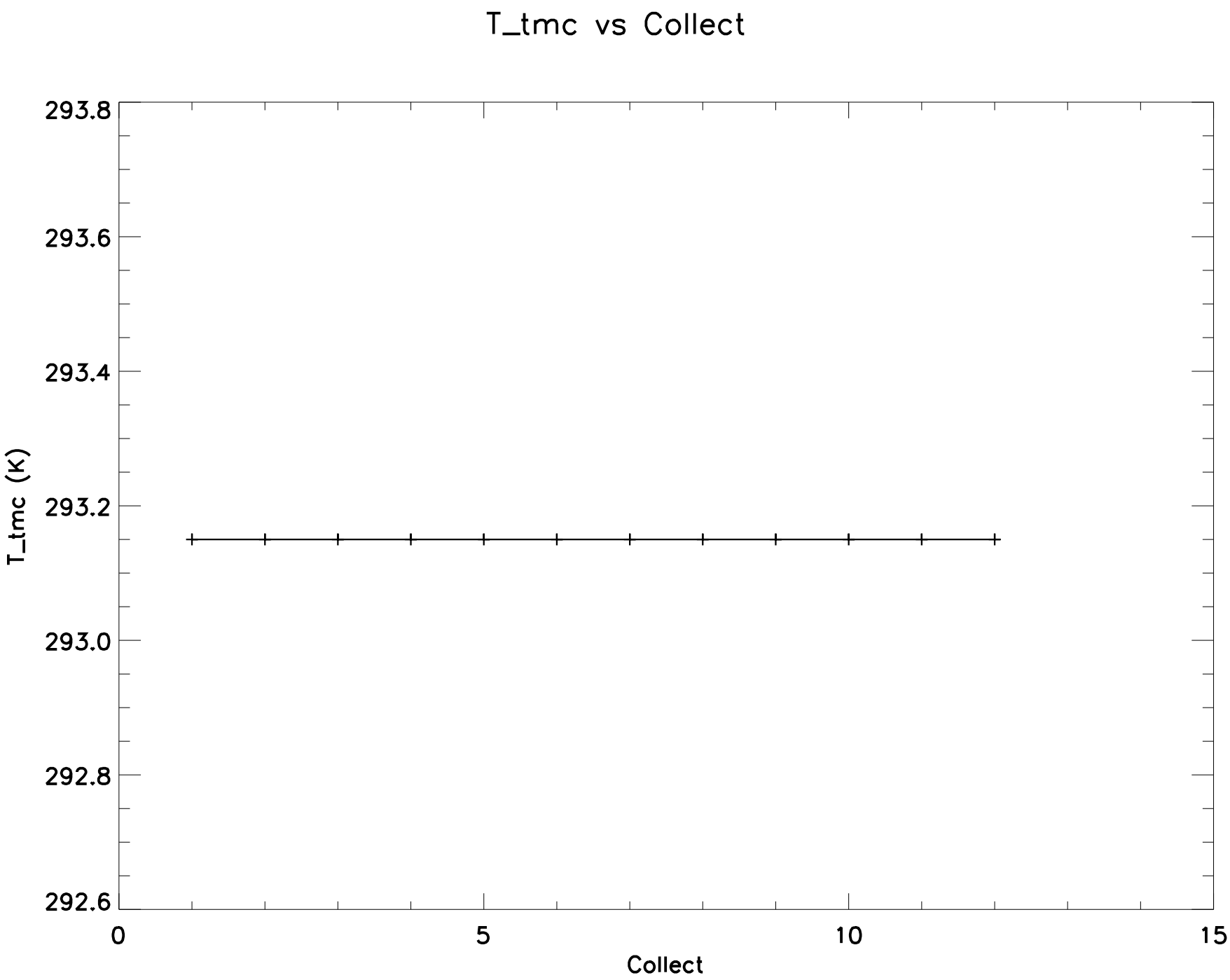
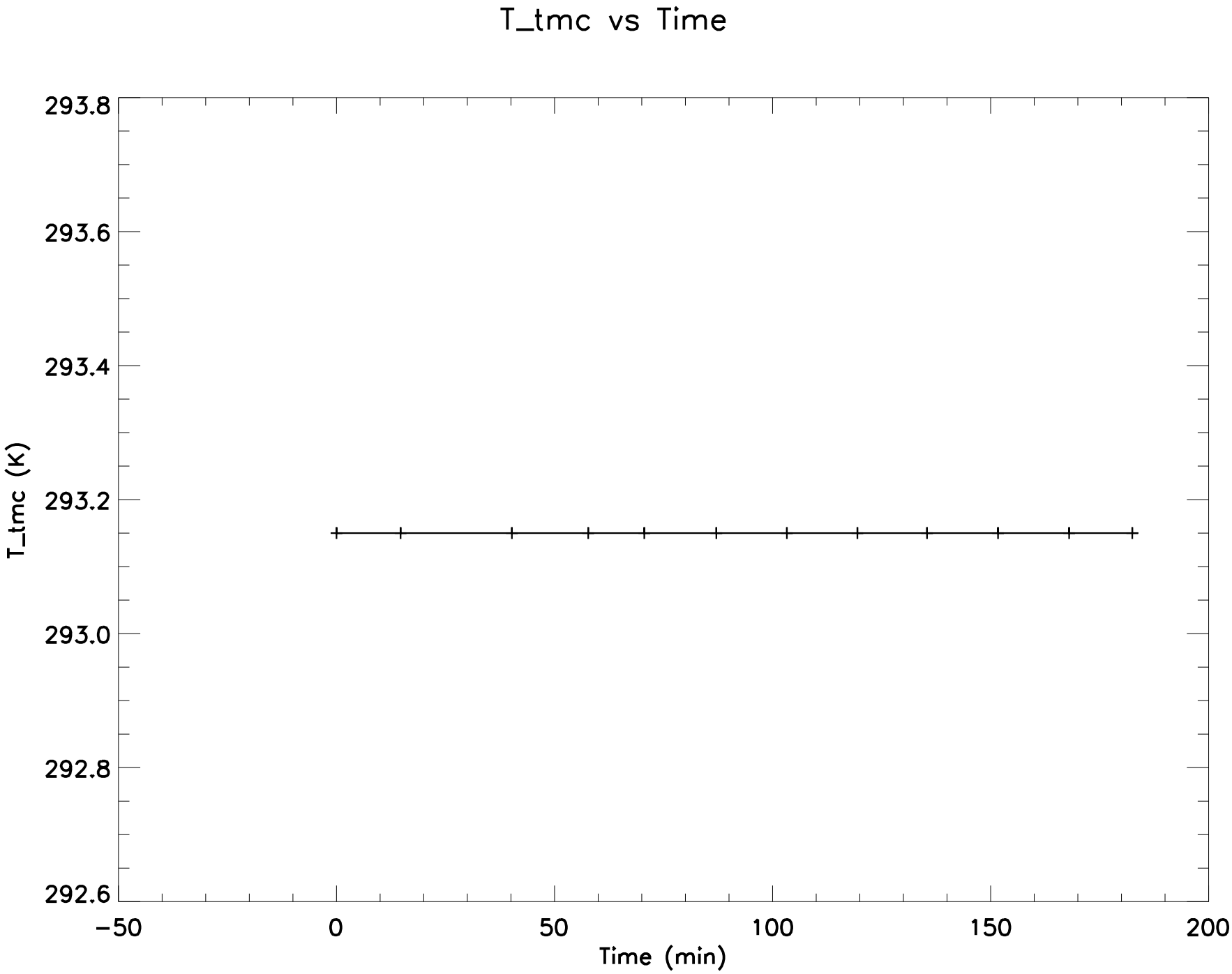

T_bcs vs Collect
270.6
270.4
270.2
270.0
269.8
269.6
269.4
T_bcs (K)
0
5
10
15
Collect

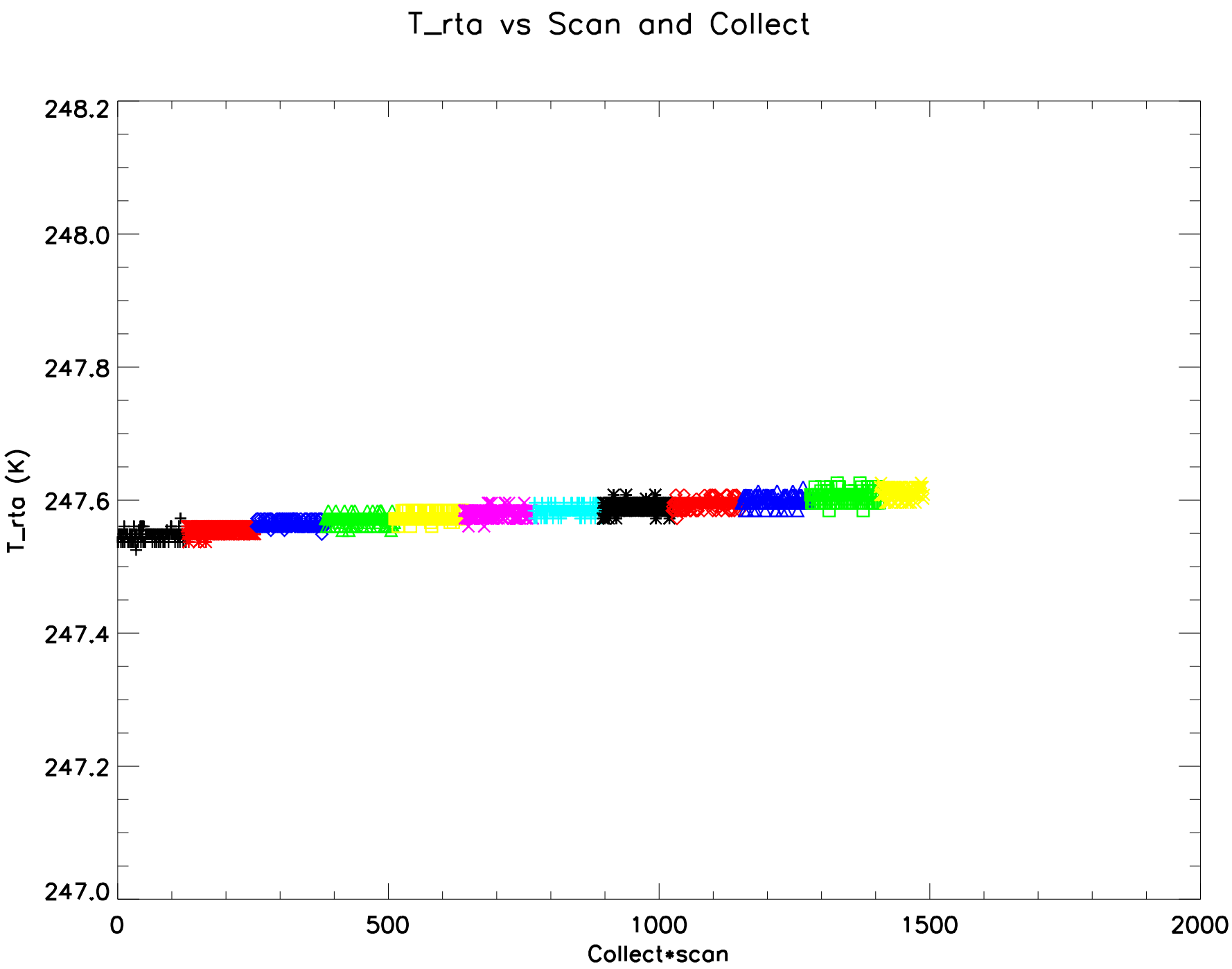

T_svs vs Collect
87.5
87.0
86.5
86.0
85.5
T_svs (K)
0
5
10
15
Collect

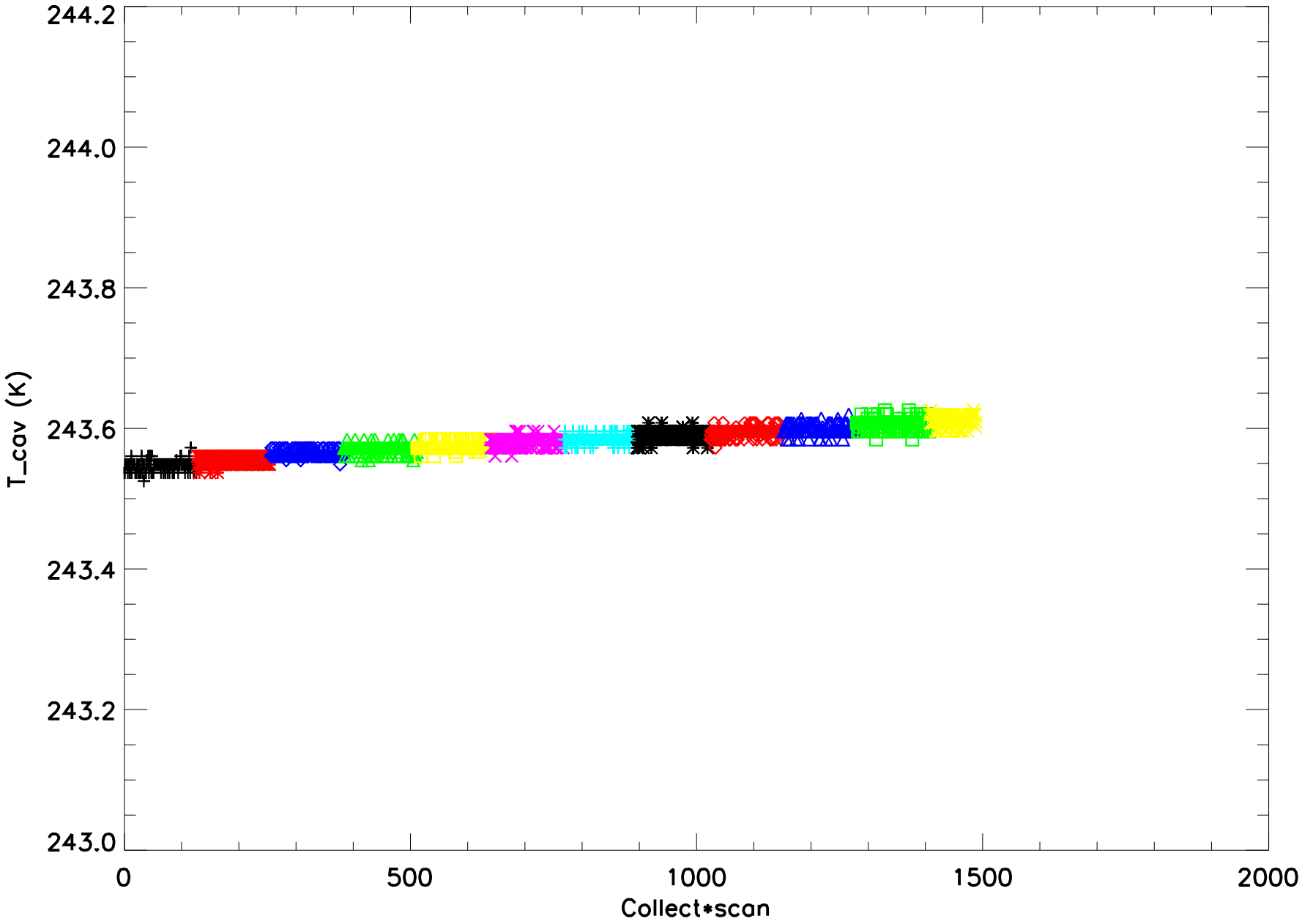

T_bcs vs Time
270.6
270.4
270.2
270.0
269.8
269.6
269.4
T_bcs (K)
−50
0
50
100
150
200
Time (min)

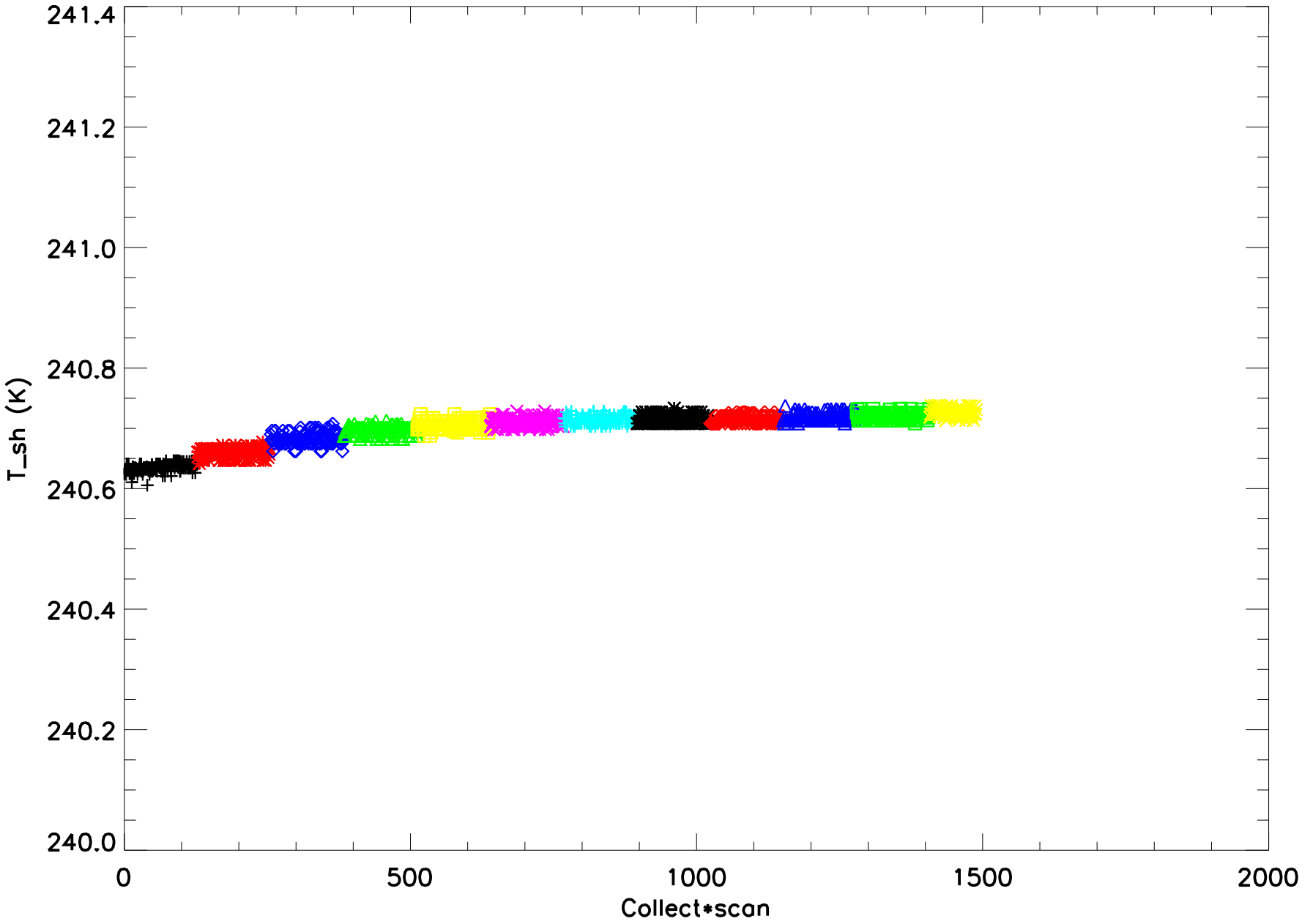

T_svs vs Time
87.5
87.0
86.5
86.0
85.5
T_svs (K)
−50
0
50
100
150
200
Time (min)

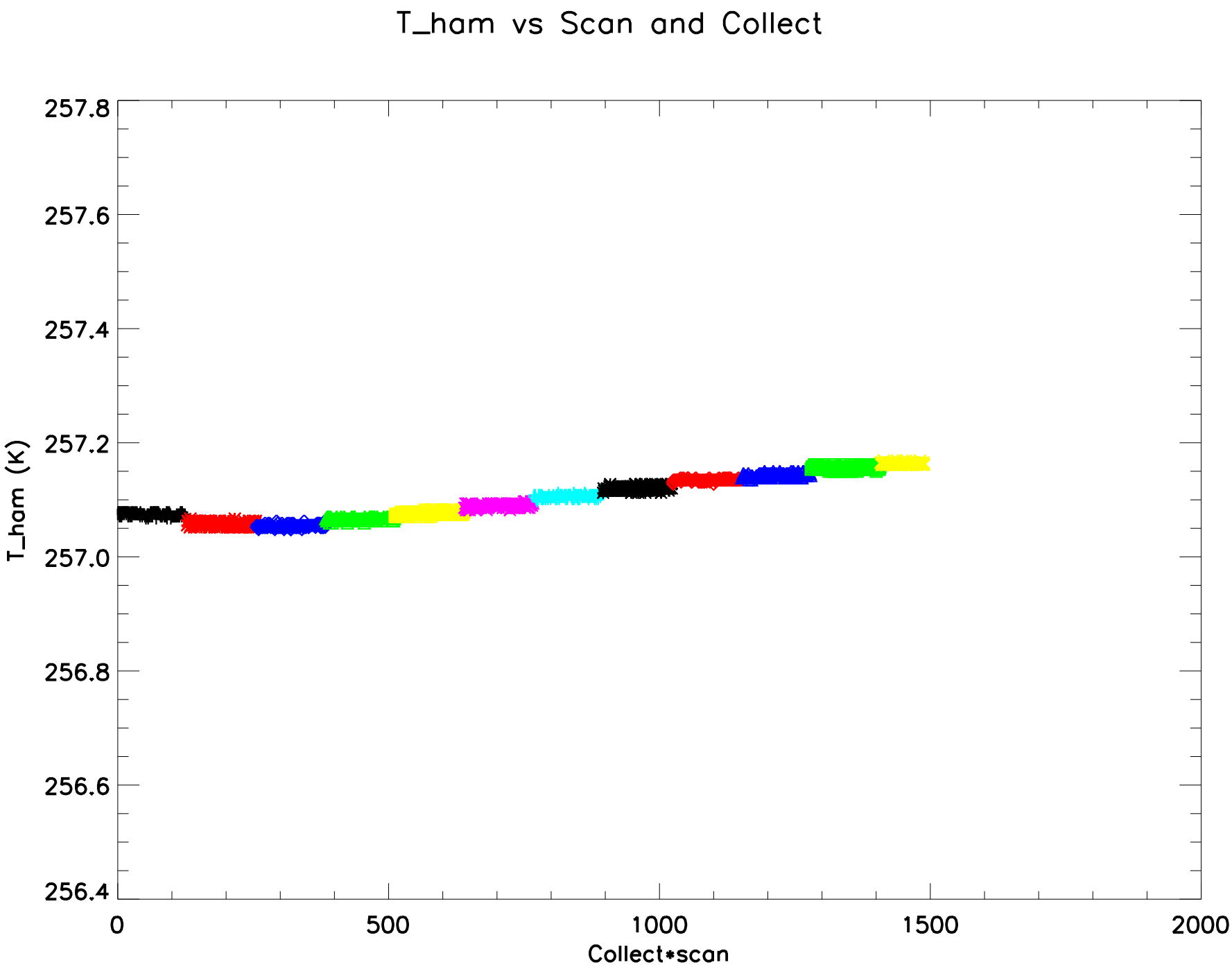

T_tmc vs Collect
293.8
293.6
293.4
293.2
293.0
292.8
292.6
T_tmc (K)
0
5
10
15
Collect

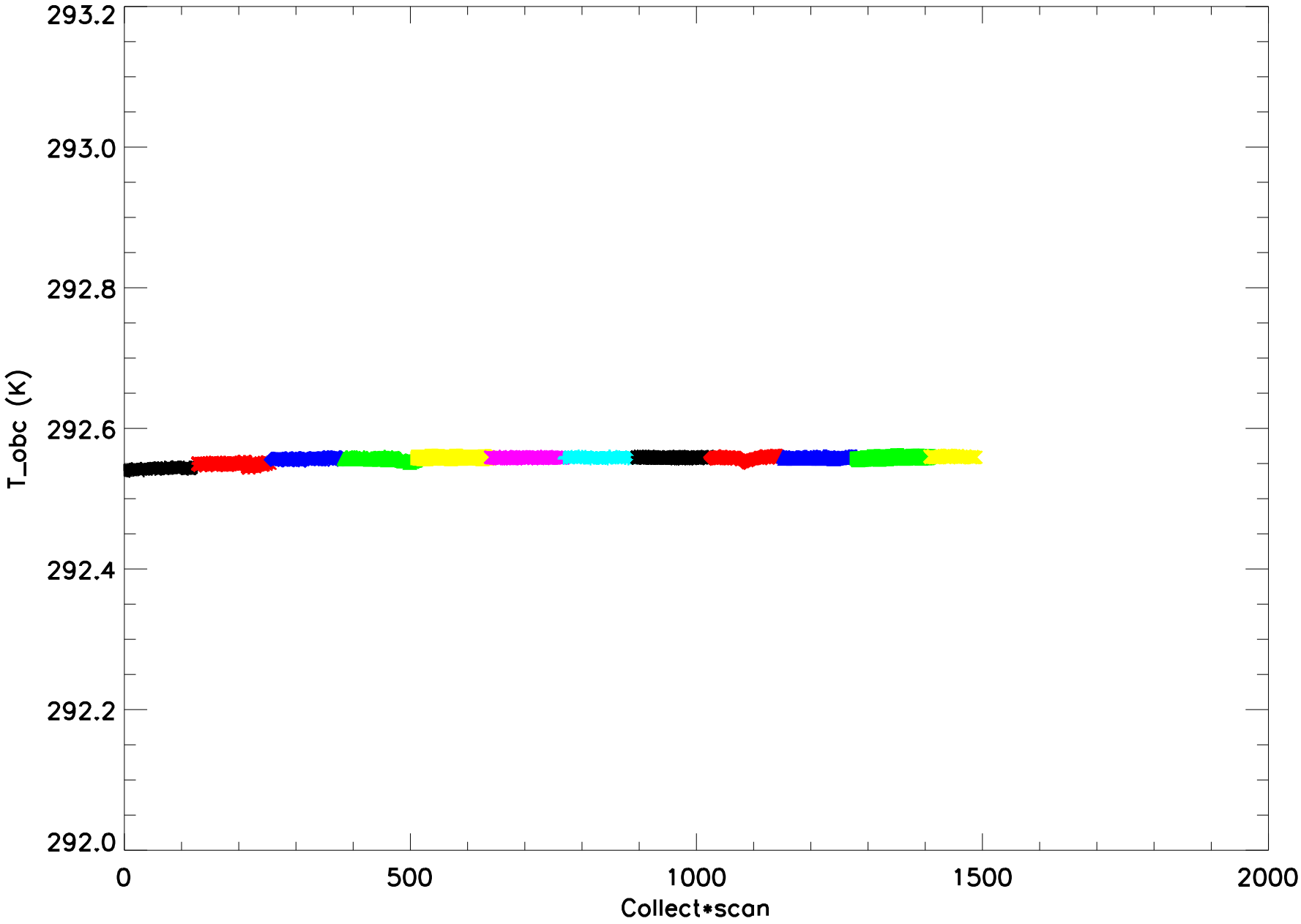

T_tmc vs Time
293.8
293.6
293.4
293.2
293.0
292.8
292.6
T_tmc (K)
−50
0
50
100
150
200
Time (min)

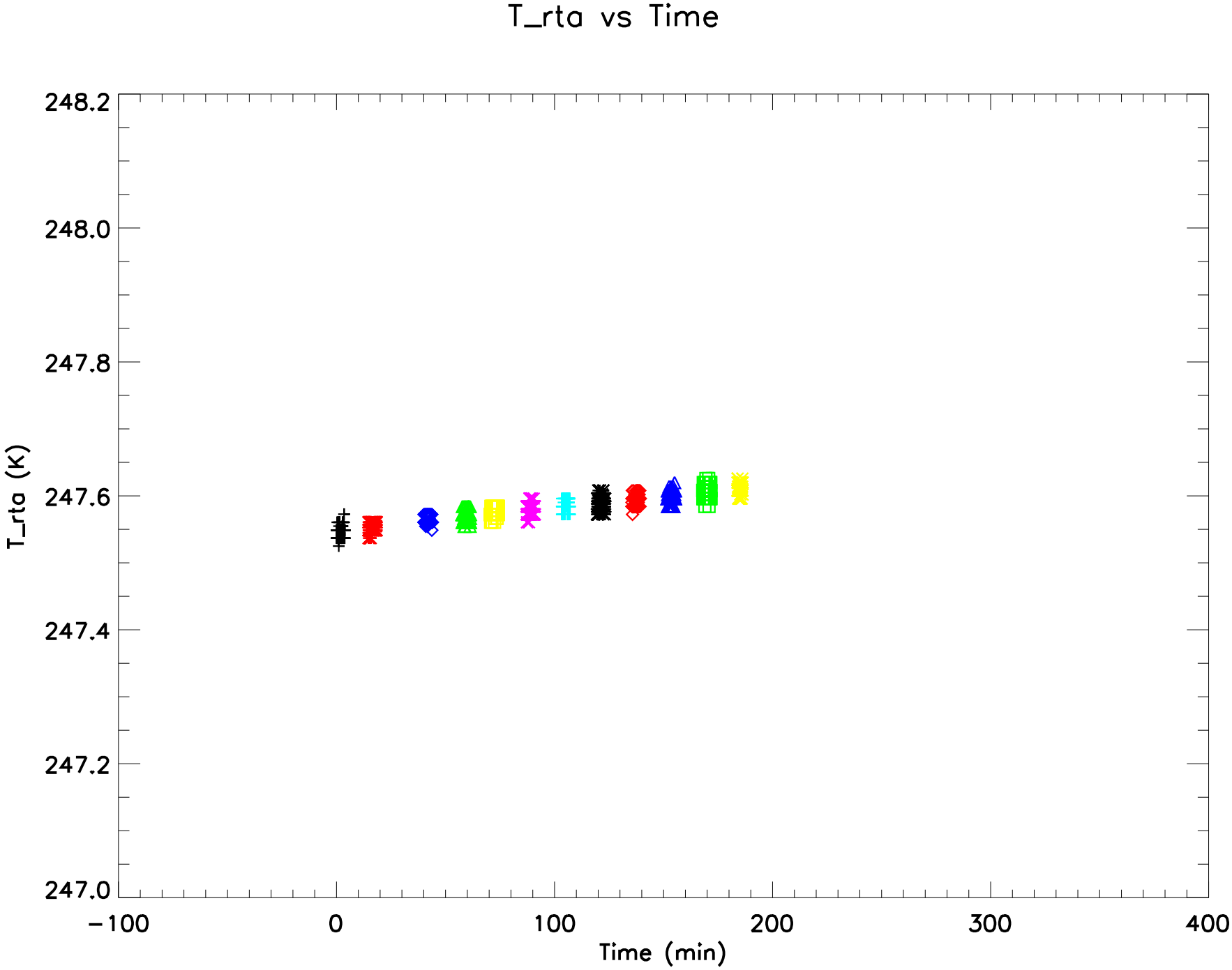

T_rta vs Scan and Collect
248.2
248.0
247.8
247.6
247.4
247.2
247.0
T_rta (K)
0
500
1000
1500
2000
Collect*scan

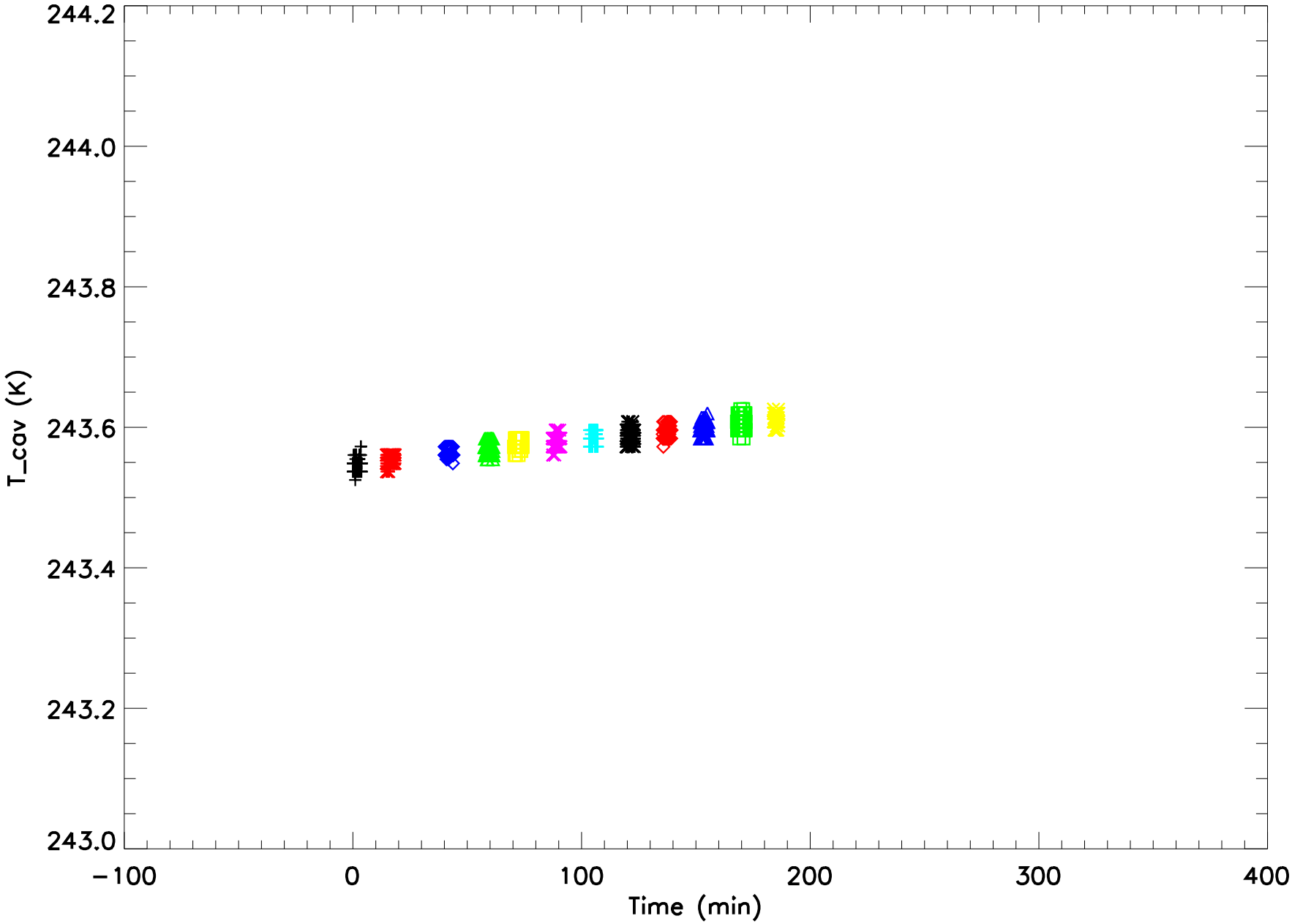

T_cav vs Scan and Collect
244.2
244.0
243.8
243.6
243.4
243.2
243.0
T_cav (K)
0
500
1000
1500
2000
Collect*scan

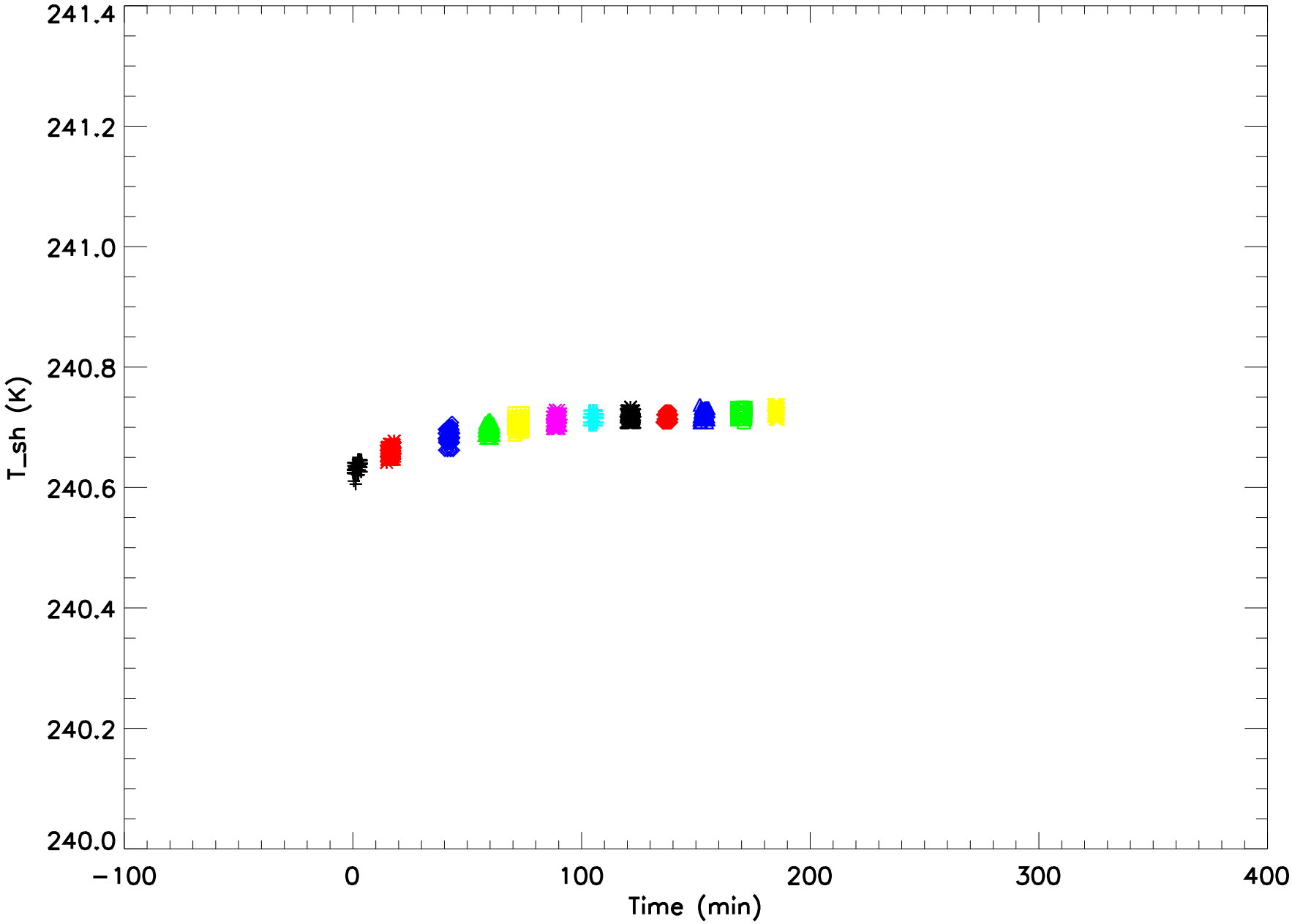

T_sh vs Scan and Collect
241.4
241.2
241.0
240.8
240.6
240.4
240.2
240.0
T_sh (K)
0
500
1000
1500
2000
Collect*scan

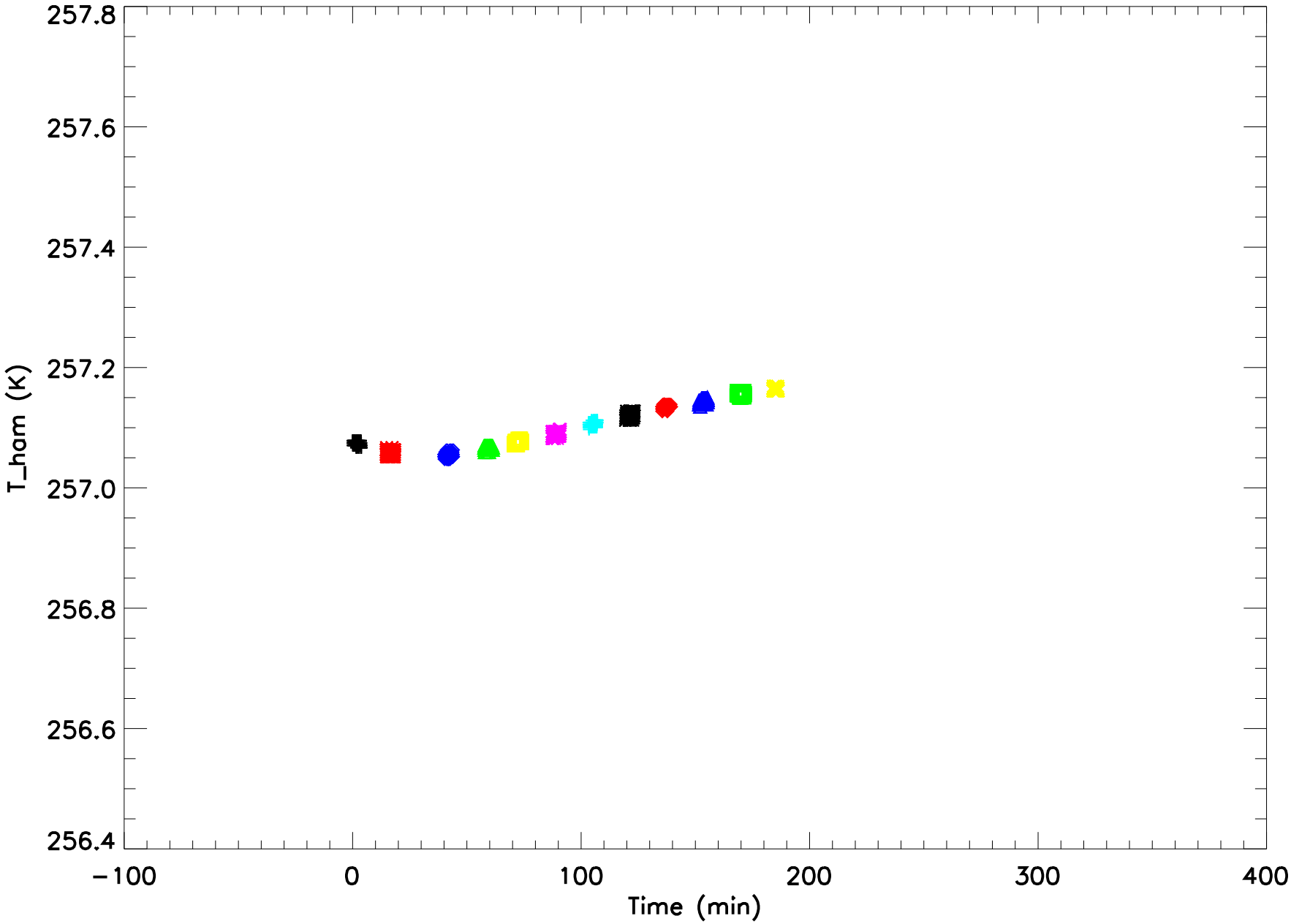

T_ham vs Scan and Collect
257.8
257.6
257.4
257.2
257.0
256.8
256.6
256.4
T_ham (K)
0
500
1000
1500
2000
Collect*scan

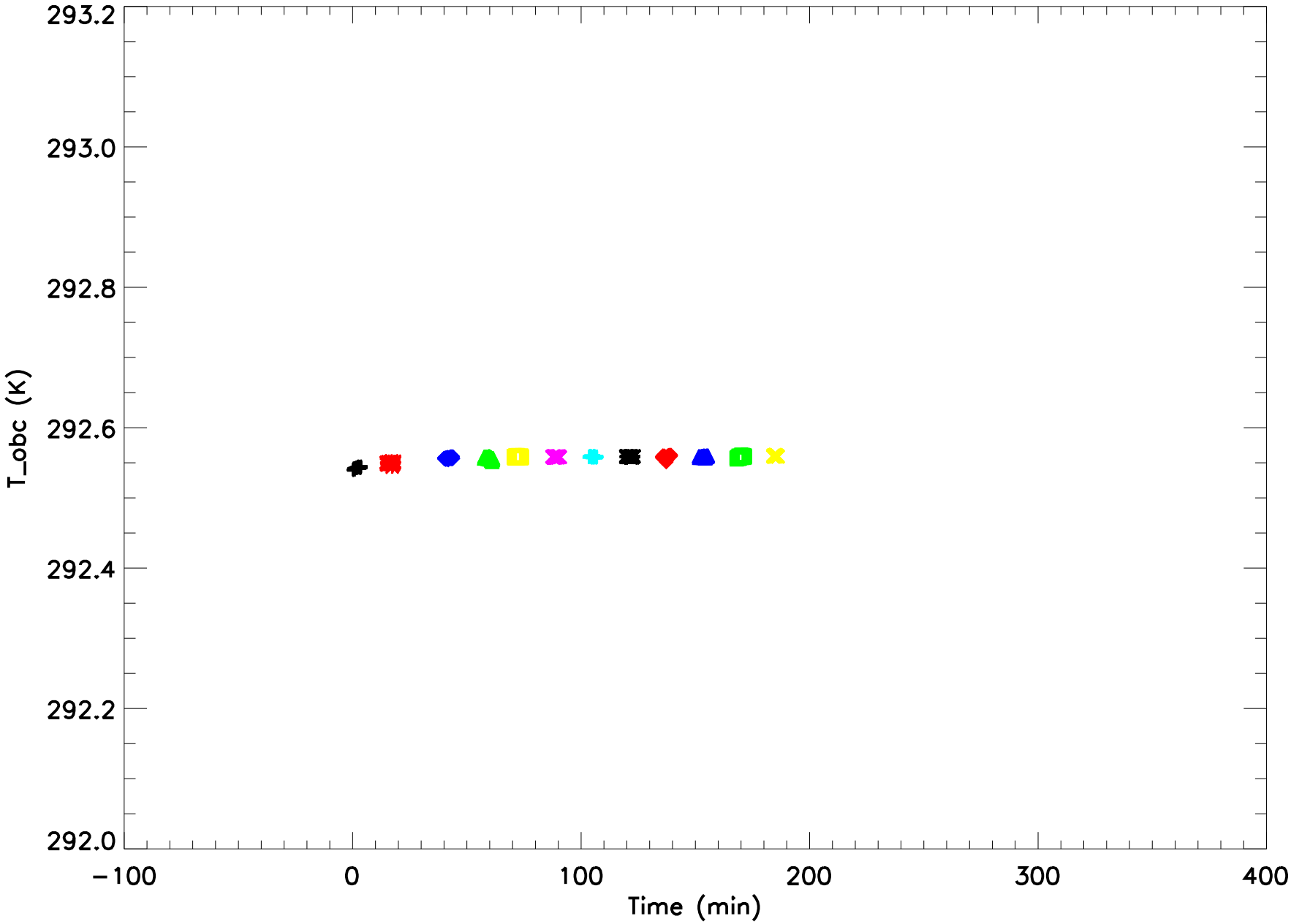

T_obc vs Scan and Collect
293.2
293.0
292.8
292.6
292.4
292.2
292.0
T_obc (K)
0
500
1000
1500
2000
Collect*scan


T_rta vs Time
248.2
248.0
247.8
247.6
247.4
247.2
247.0
T_rta (K)
−100
0
100
200
300
400
Time (min)

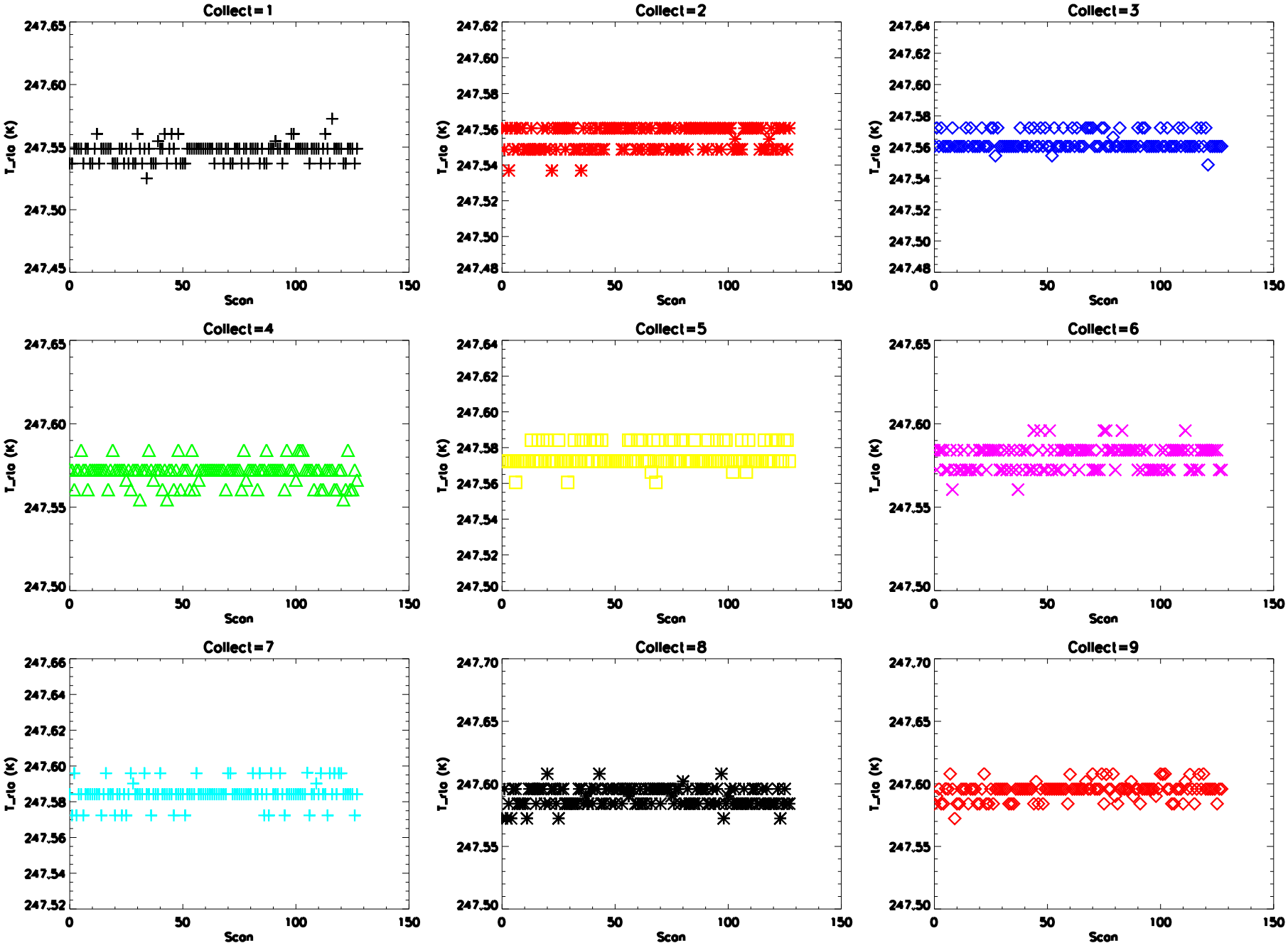

T_cav vs Time
244.2
244.0
243.8
243.6
243.4
243.2
243.0
T_cav (K)
−100
0
100
200
300
400
Time (min)


T_sh vs Time
241.4
241.2
241.0
240.8
240.6
240.4
240.2
240.0
T_sh (K)
−100
0
100
200
300
400
Time (min)

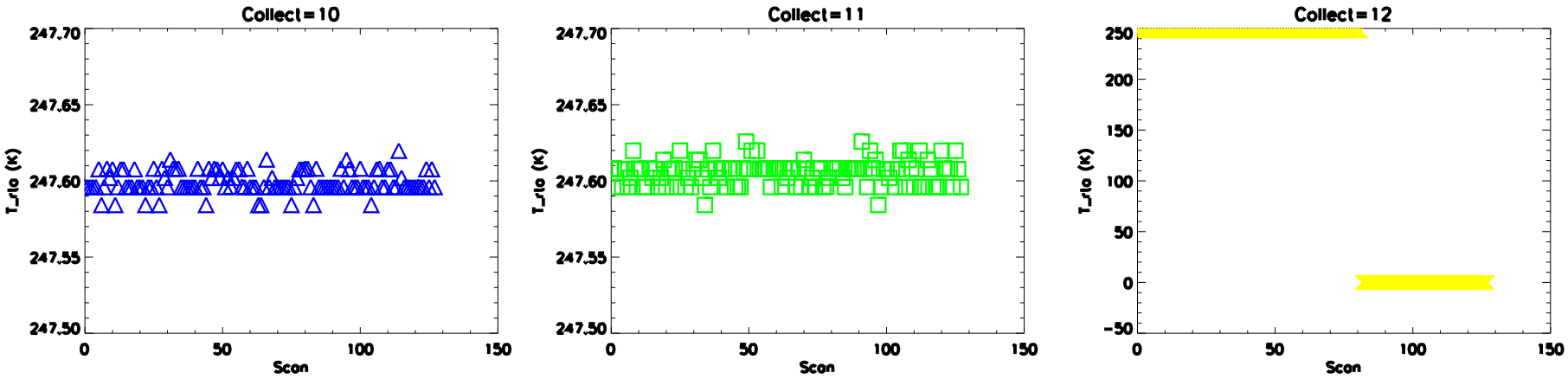

T_ham vs Time
257.8
257.6
257.4
257.2
257.0
256.8
256.6
256.4
T_ham (K)
−100
0
100
200
300
400
Time (min)


T_obc vs Time
293.2
293.0
292.8
292.6
292.4
292.2
292.0
T_obc (K)
−100
0
100
200
300
400
Time (min)

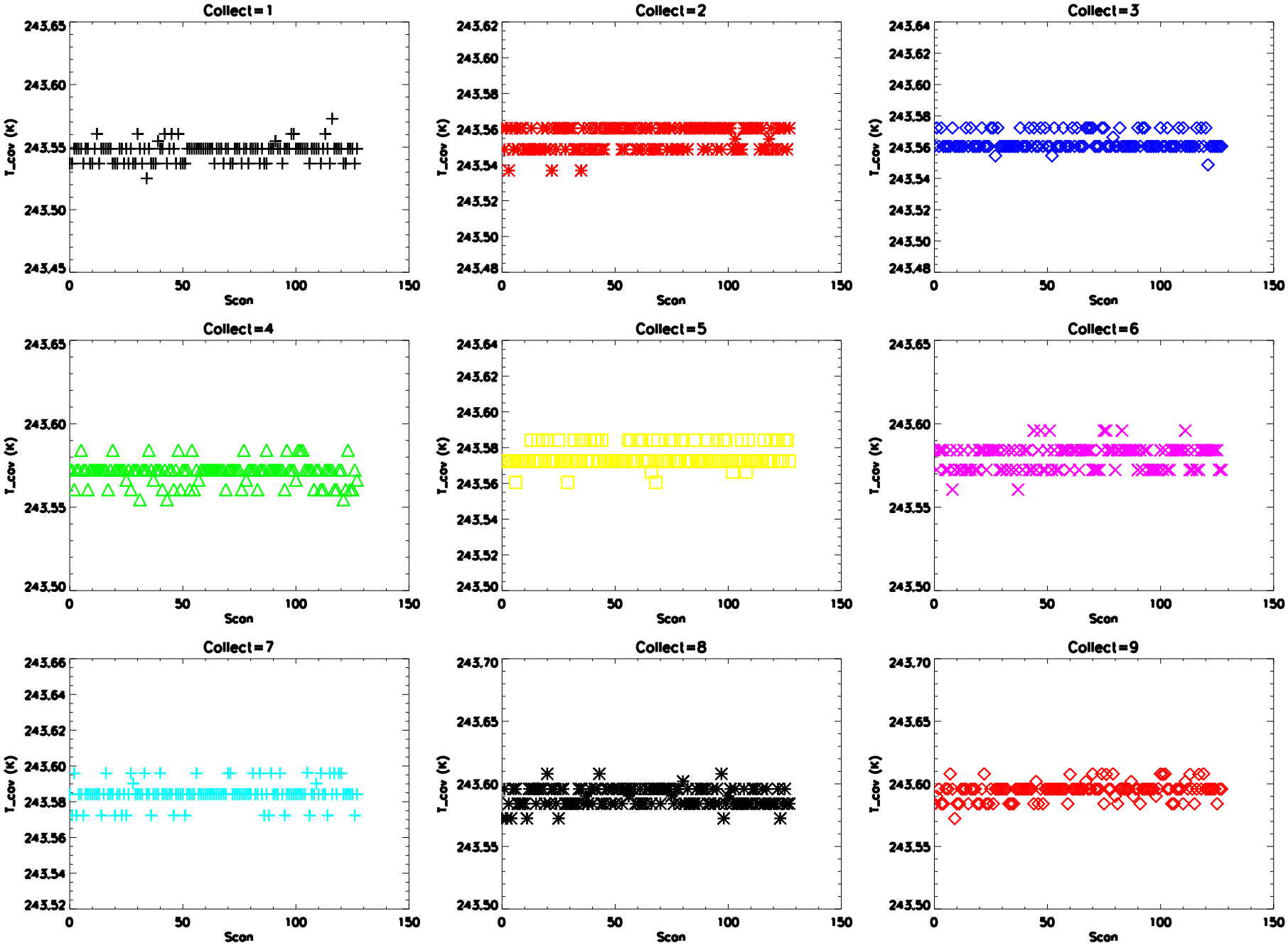
T_rta vs Scan


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

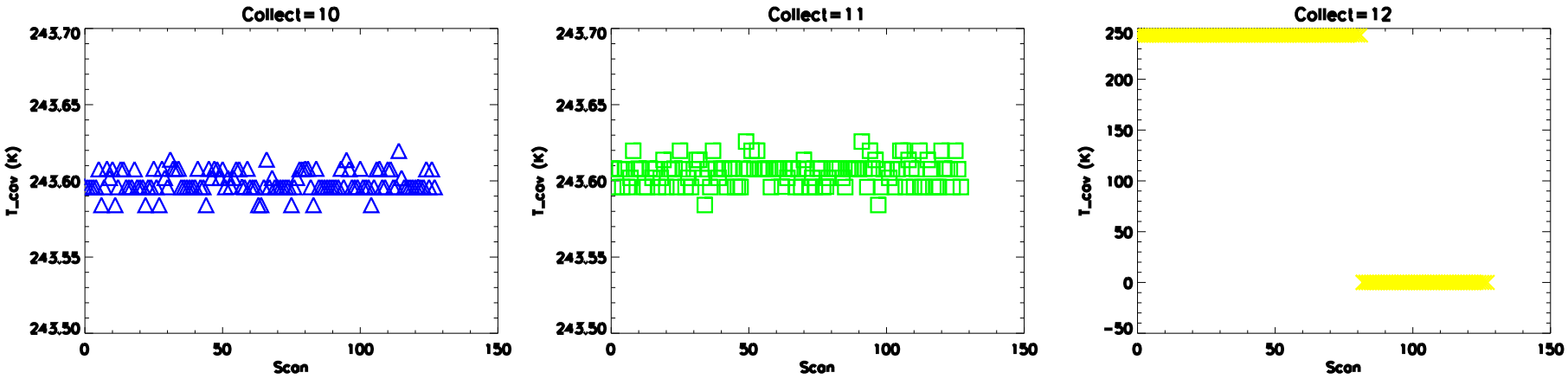
T_rta vs Scan


Collect = 10
247.70
247.65
247.60
247.55
247.50
T_rta (K)
0
50
100
150
Scan
Collect = 11
247.70
247.65
247.60
247.55
247.50
T_rta (K)
0
50
100
150
Scan
Collect = 12
250
200
150
100
50
0
−50
T_rta (K)
0
50
100
150
Scan

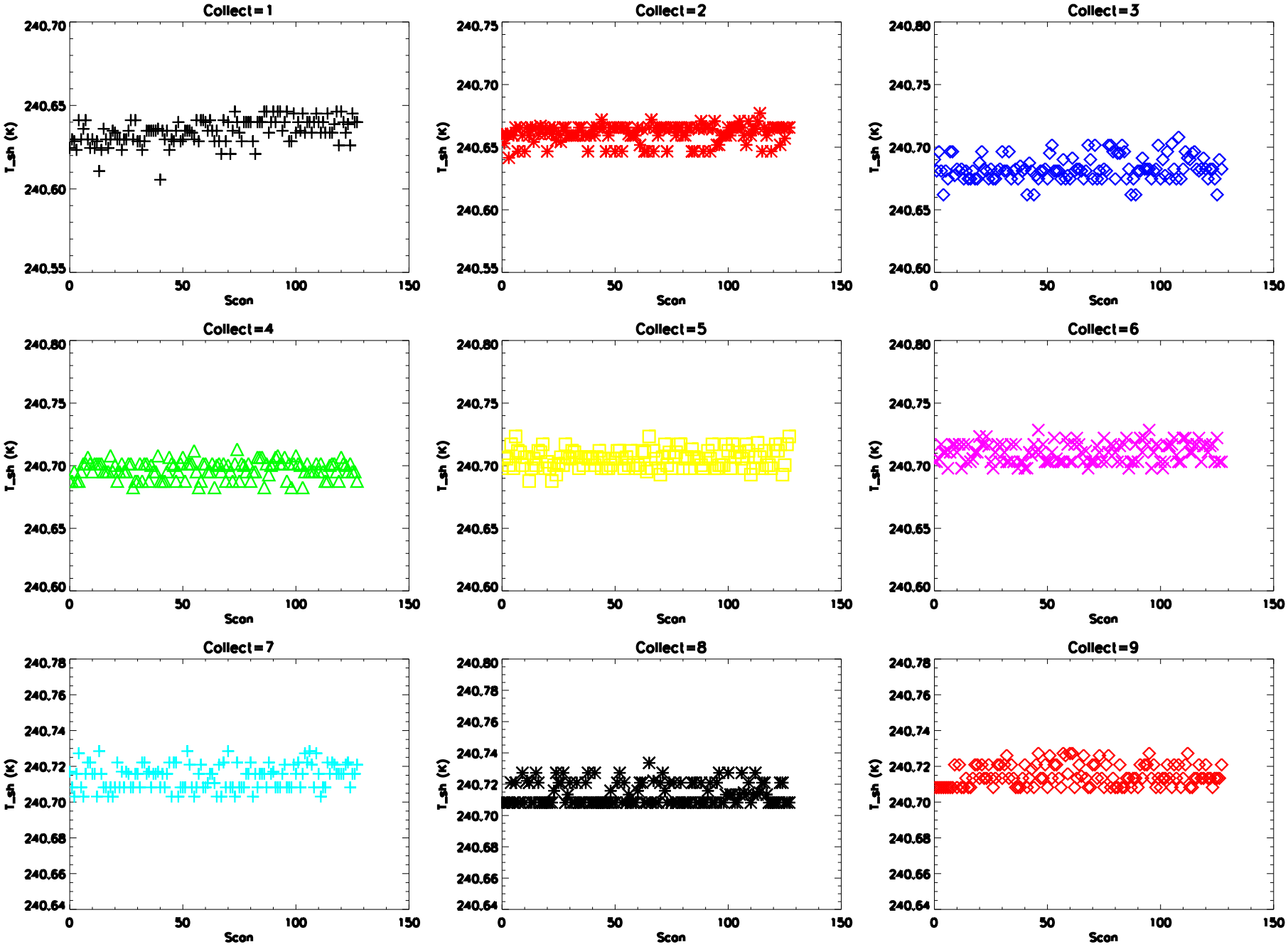
T_cav vs Scan


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

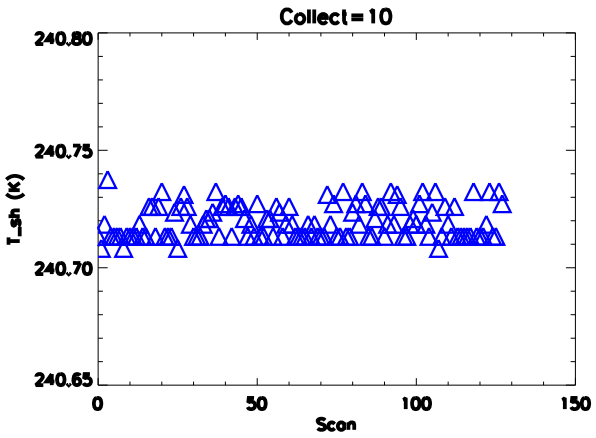
T_cav vs Scan

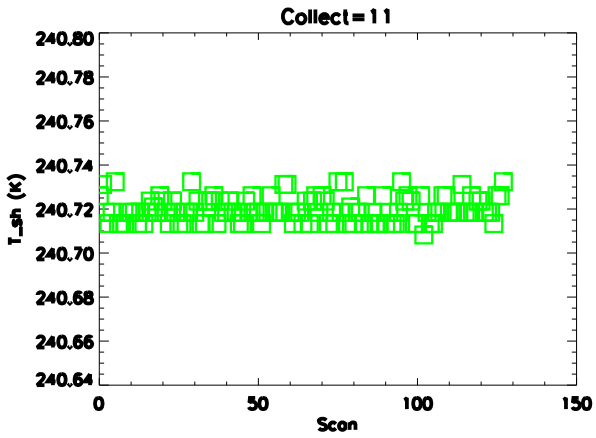

Collect = 10
Collect = 11
Collect = 12
T_cav (K)
Scan
243.70
243.65
243.60
243.55
243.50
250
200
150
100
50
0
-50
0
50
100
150

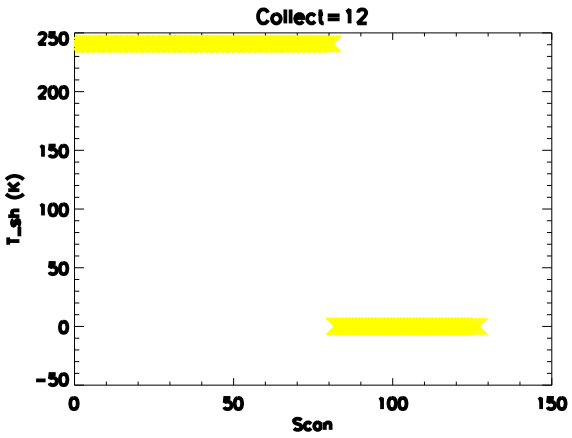
T_sh vs Scan


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

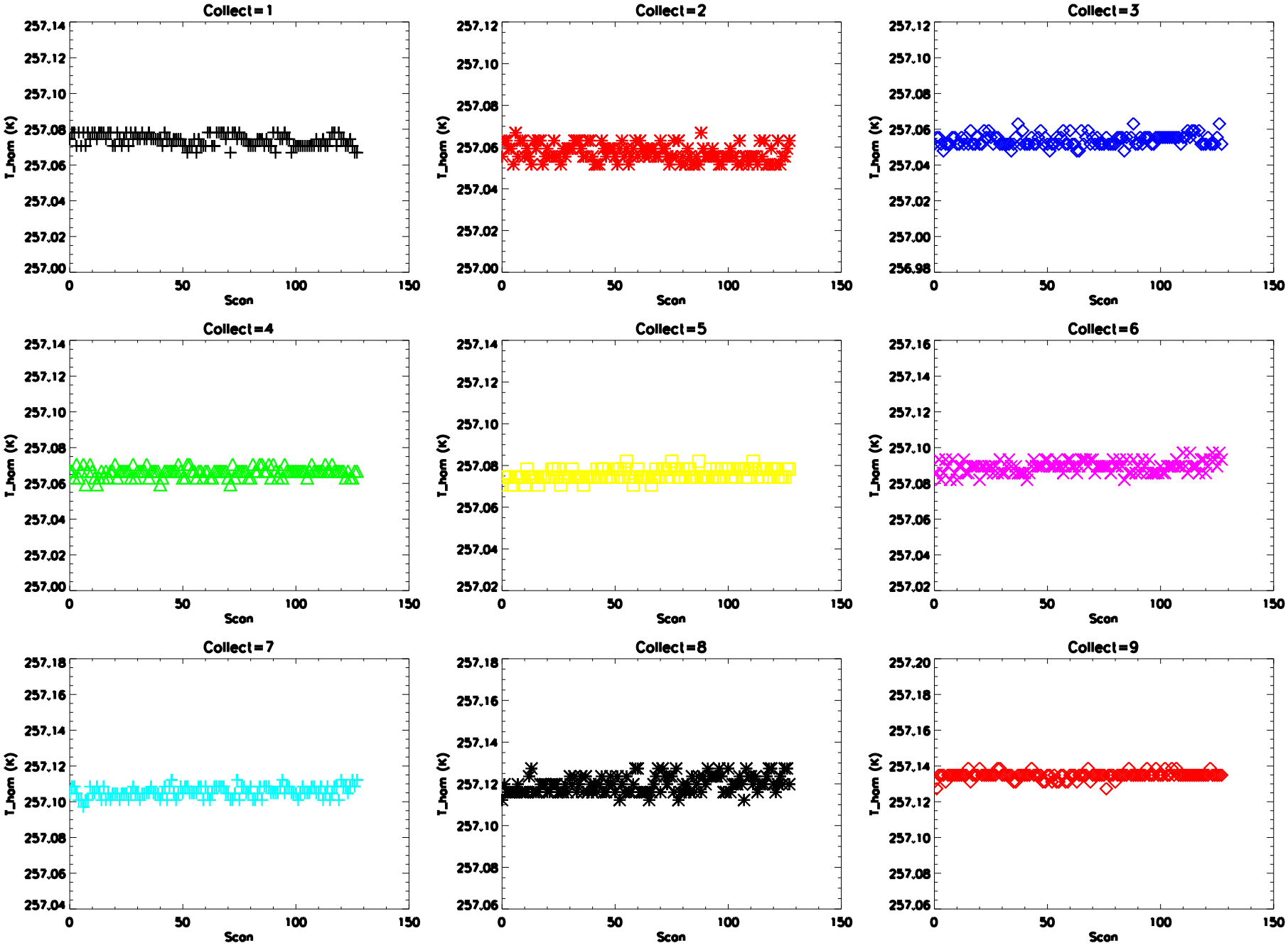
T_sh vs Scan


Collect = 10
240.80
240.75
240.70
240.65
T_sh (K)
0
50
100
150
Scan

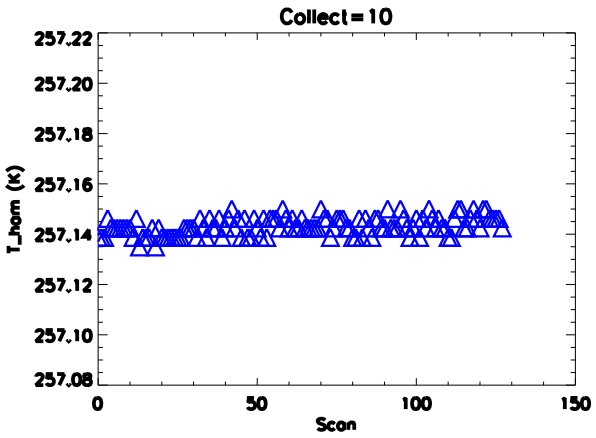

Collect = 11
240.80
240.78
240.76
240.74
240.72
240.70
240.68
240.66
240.64
T_sh (K)
0
50
100
150
Scan

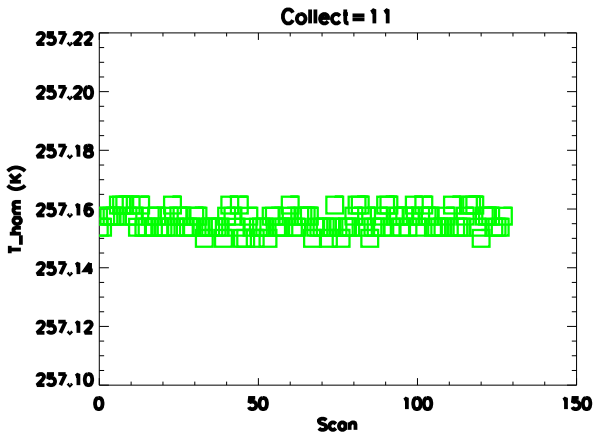

Collect = 12
250
200
150
100
50
0
-50
T_sh (K)
0
50
100
150
Scan

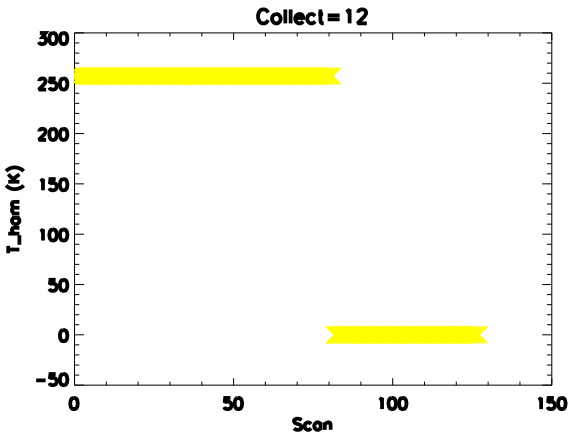
T_ham vs Scan


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

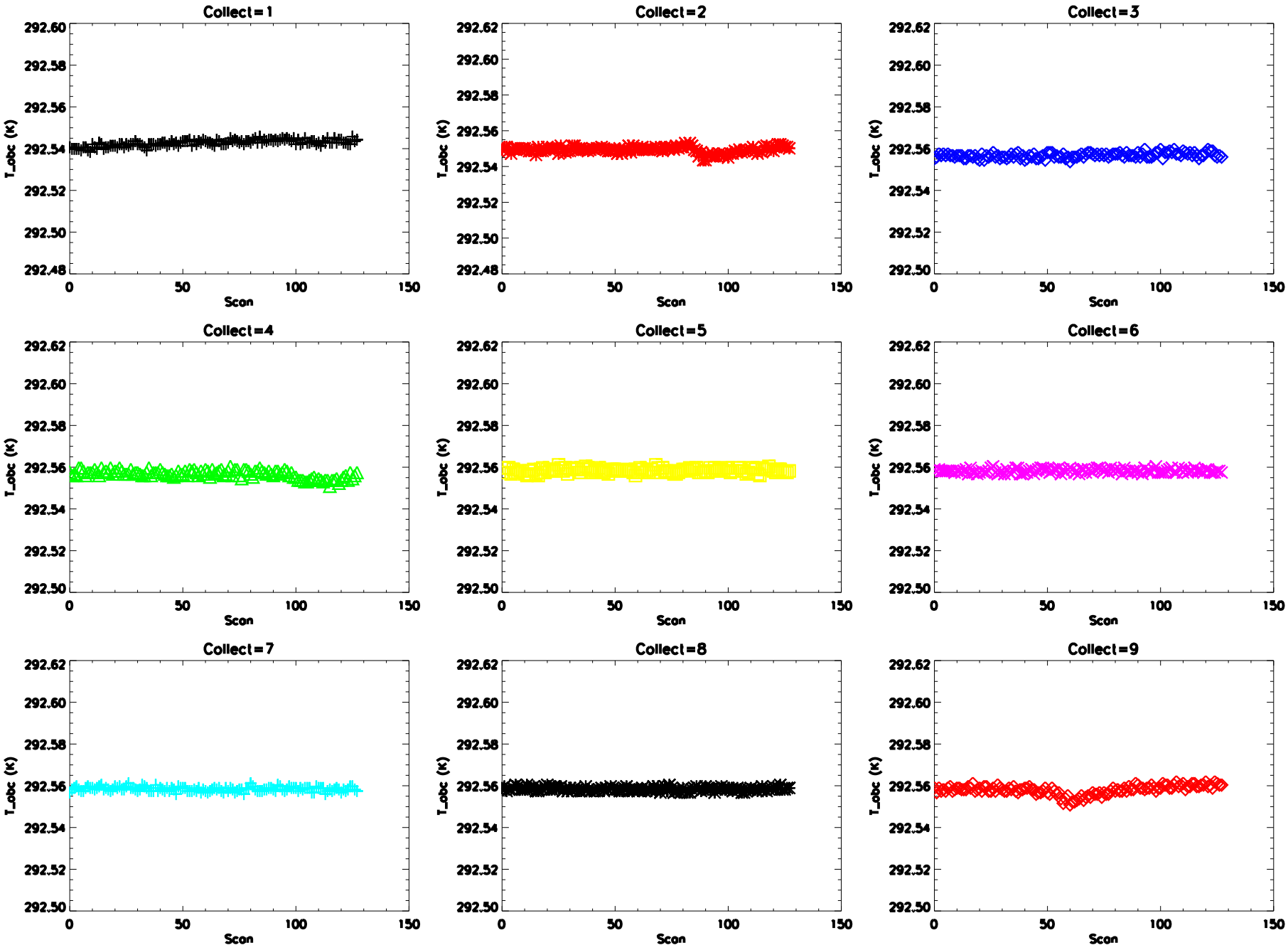
T_ham vs Scan


Collect = 10
T_ham (K)
257.22
257.20
257.18
257.16
257.14
257.12
257.10
257.08
0
50
100
150
Scan

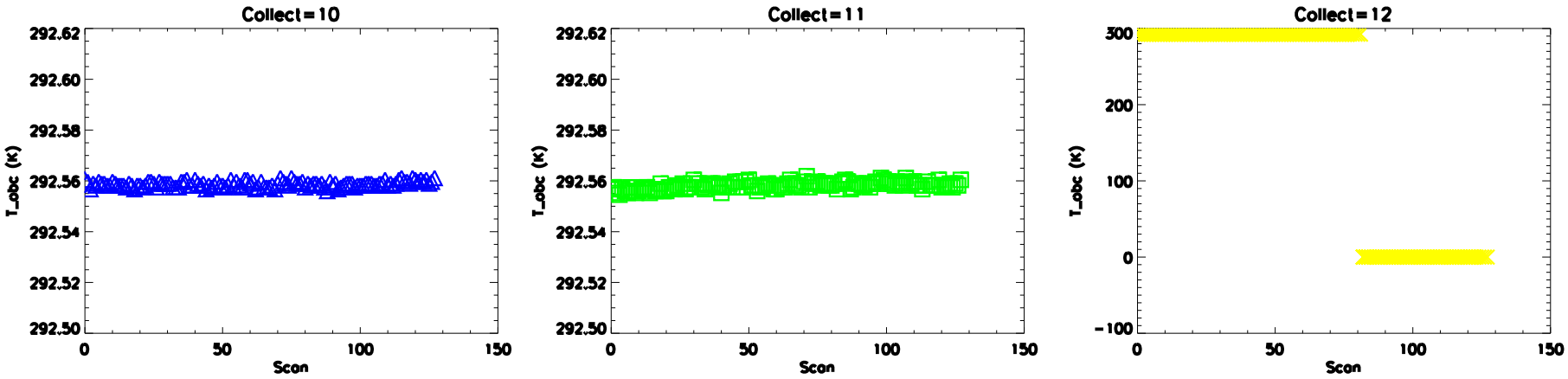

Collect = 11
T_ham (K)
257.22
257.20
257.18
257.16
257.14
257.12
257.10
0
50
100
150
Scan

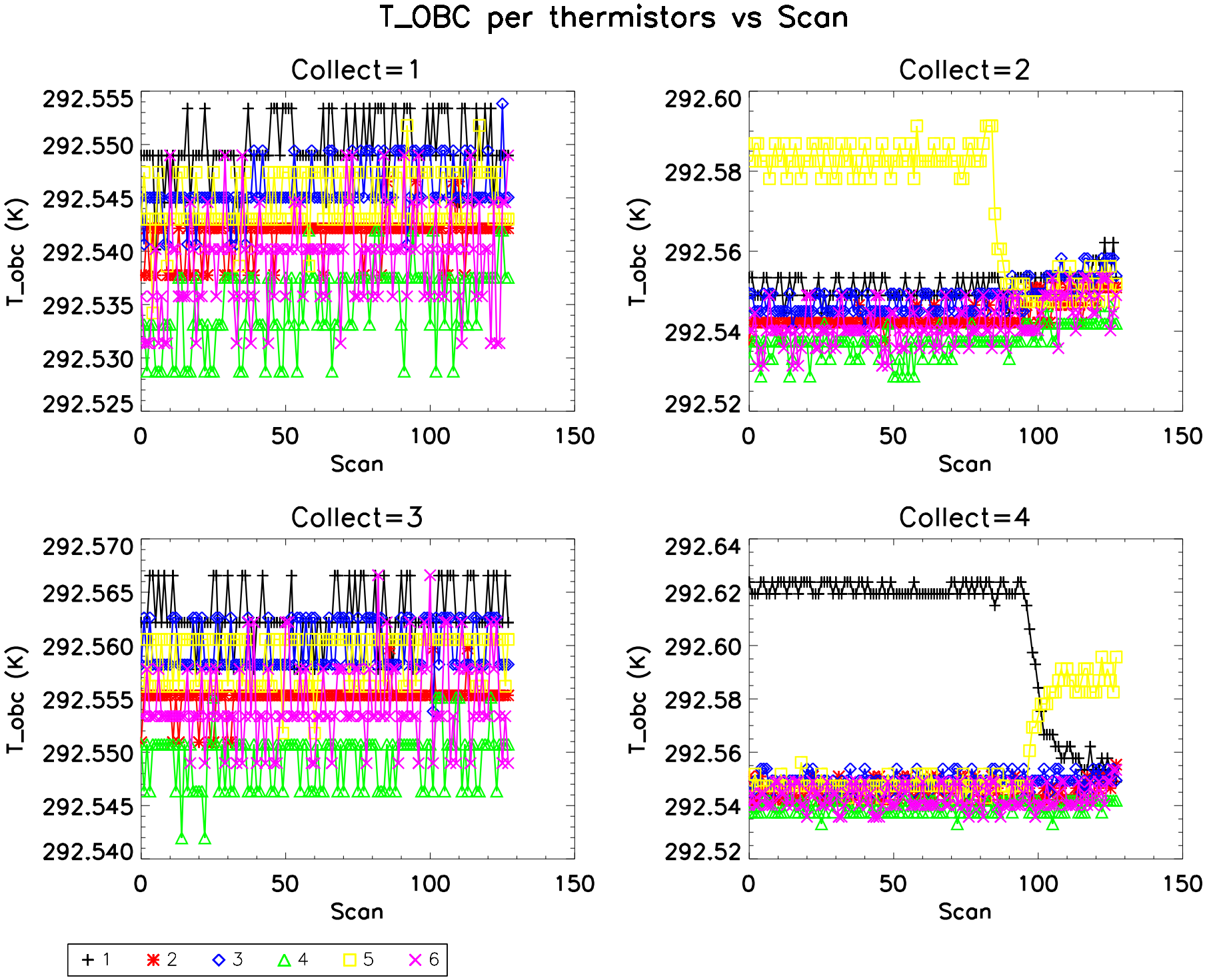

Collect = 12
T_ham (K)
300
250
200
150
100
50
0
-50
0
50
100
150
Scan

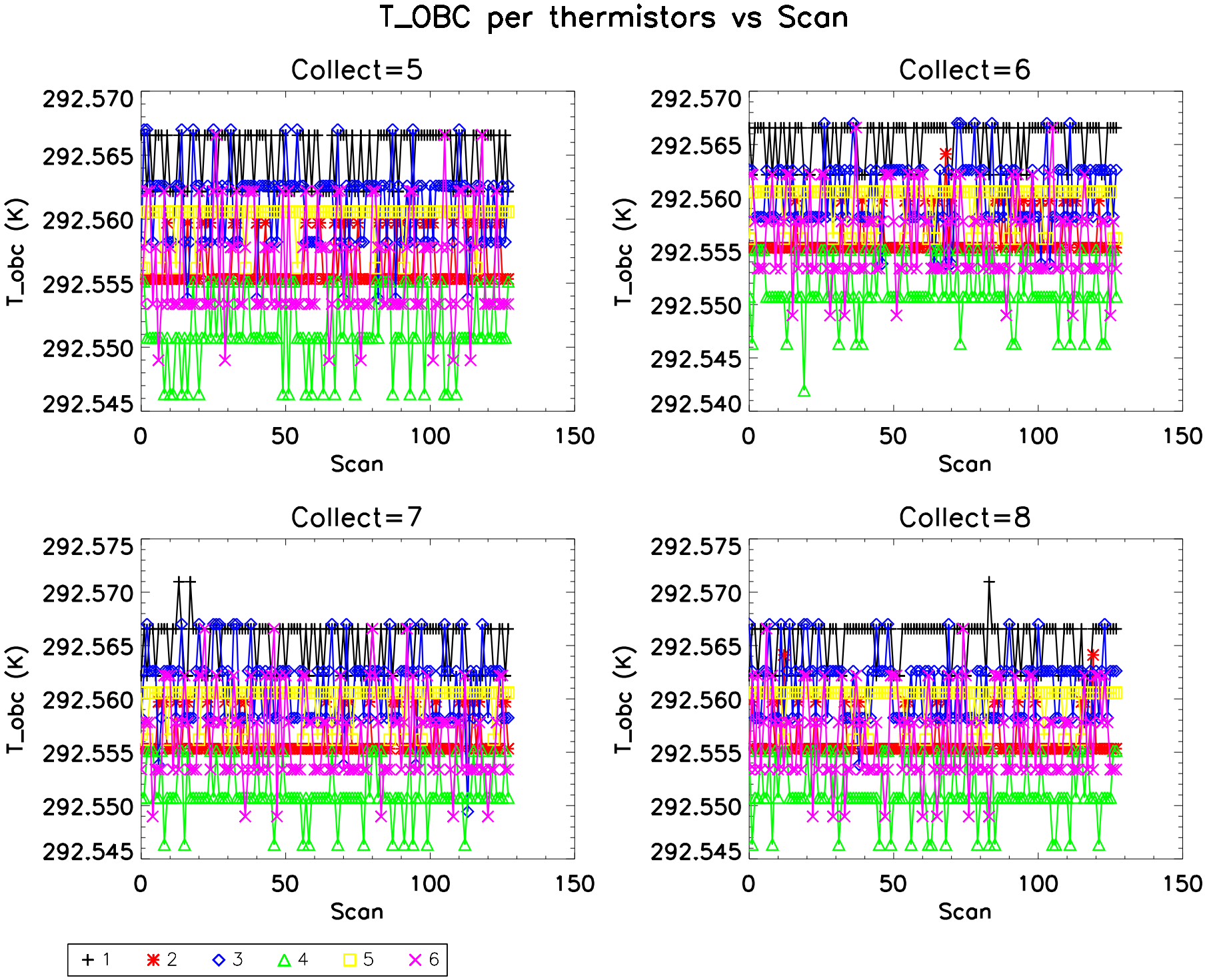
T_obc vs Scan

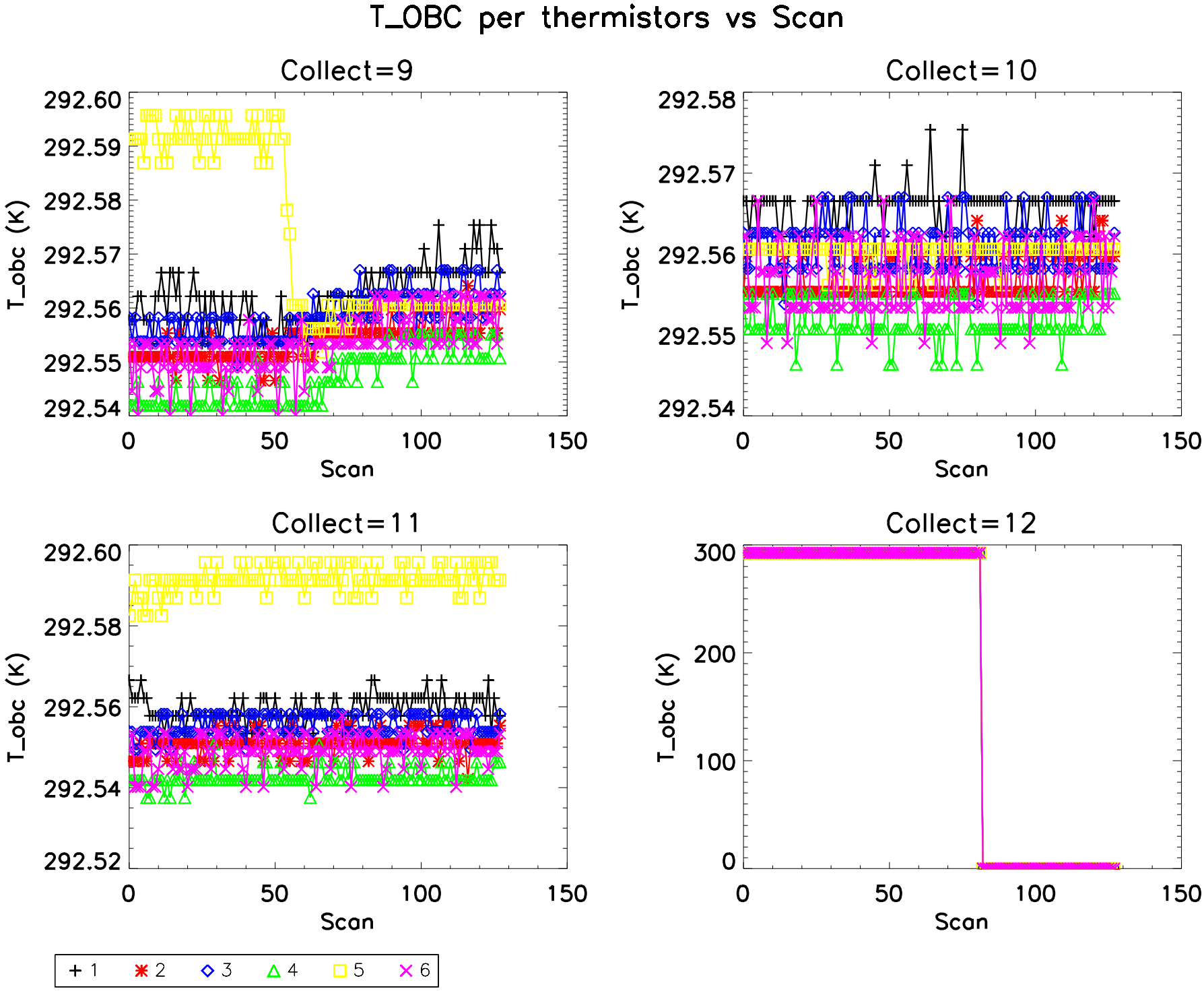

Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
T_obc (K)
Scan
292.60
292.58
292.56
292.54
292.52
292.50
292.48
292.62
0
50
100
150

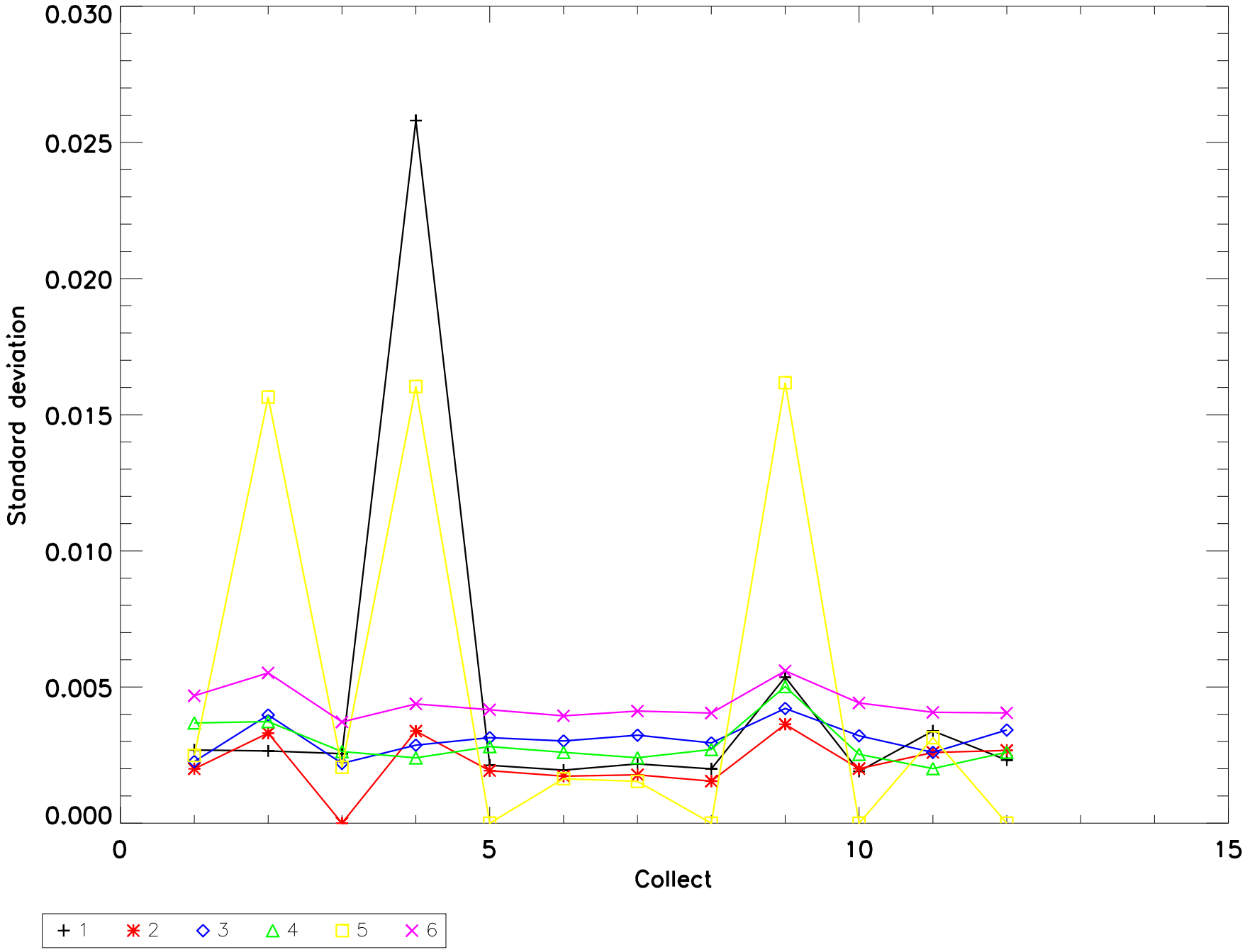
T_obc vs Scan

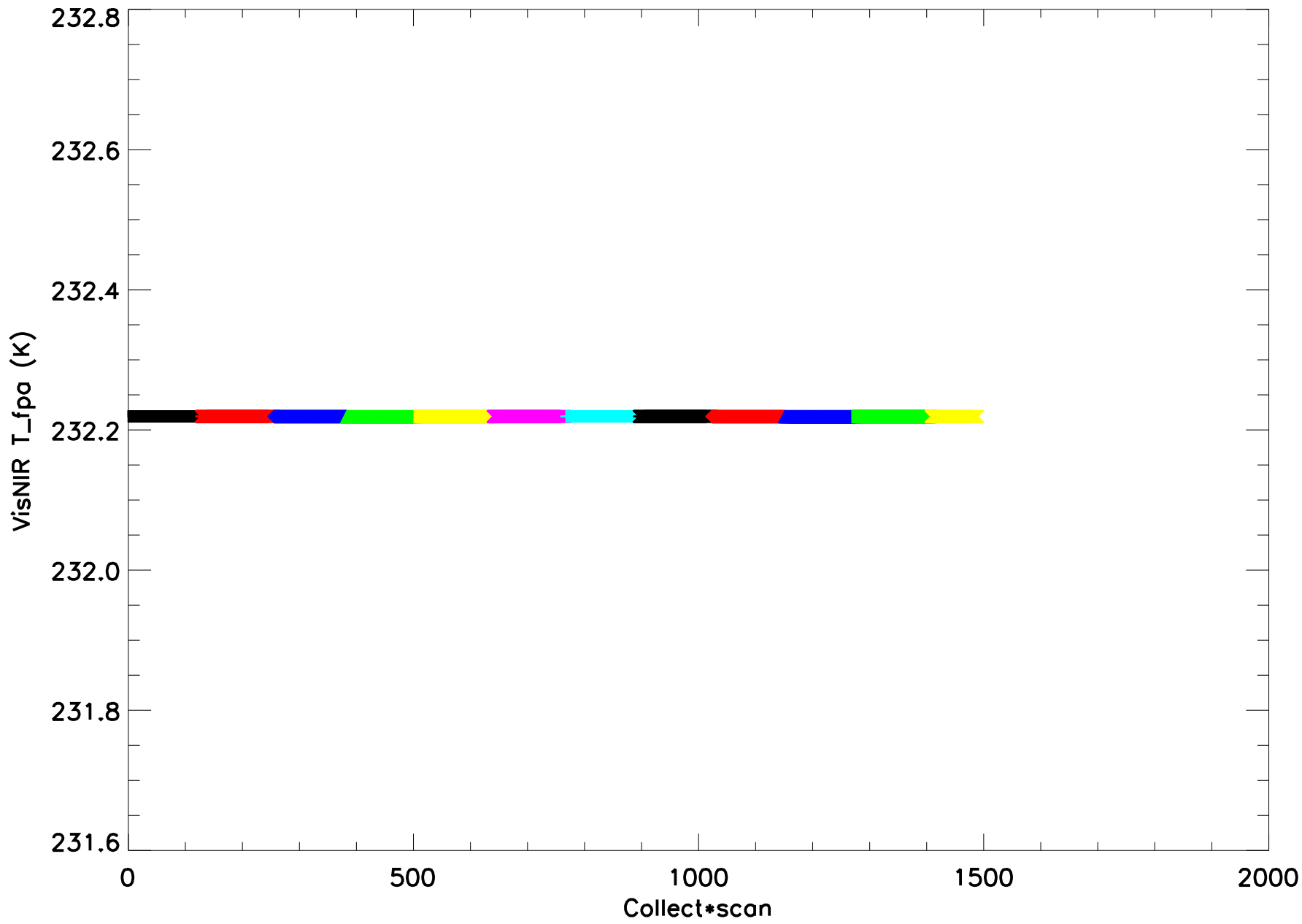

Collect = 10
Collect = 11
Collect = 12
T_obc (K)
Scan
292.62
292.60
292.58
292.56
292.54
292.52
292.50
300
200
100
0
-100
0
50
100
150

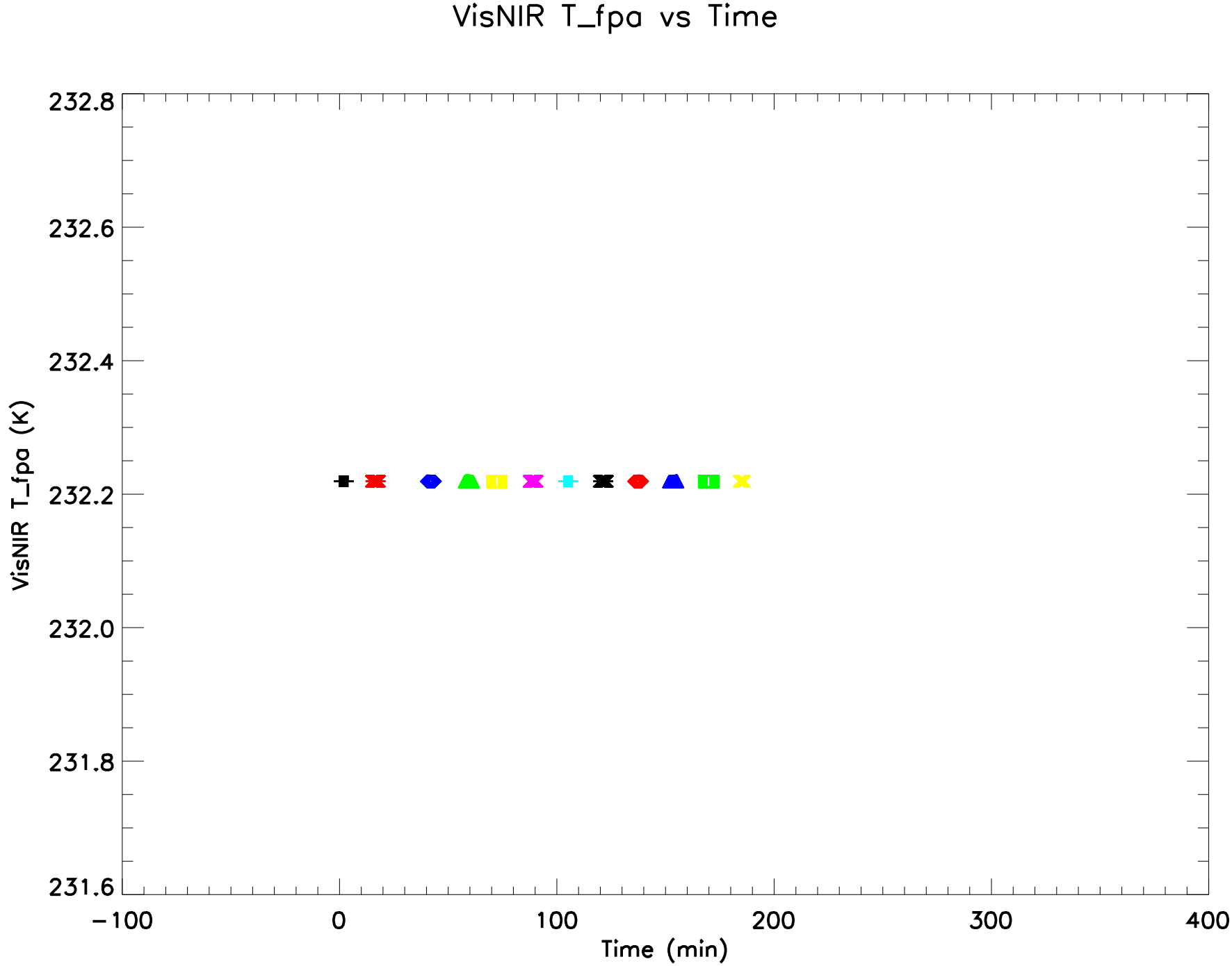

T_OBC per thermistors vs Scan
Collect=1
Collect=2
Collect=3
Collect=4
T_obc (K)
Scan
292.555
292.550
292.545
292.540
292.535
292.530
292.525
292.60
292.58
292.56
292.54
292.52
292.570
292.565
292.560
292.555
292.550
292.545
292.540
292.64
292.62
292.60
292.58
292.56
292.54
292.52
0
50
100
150
1
2
3
4
5
6

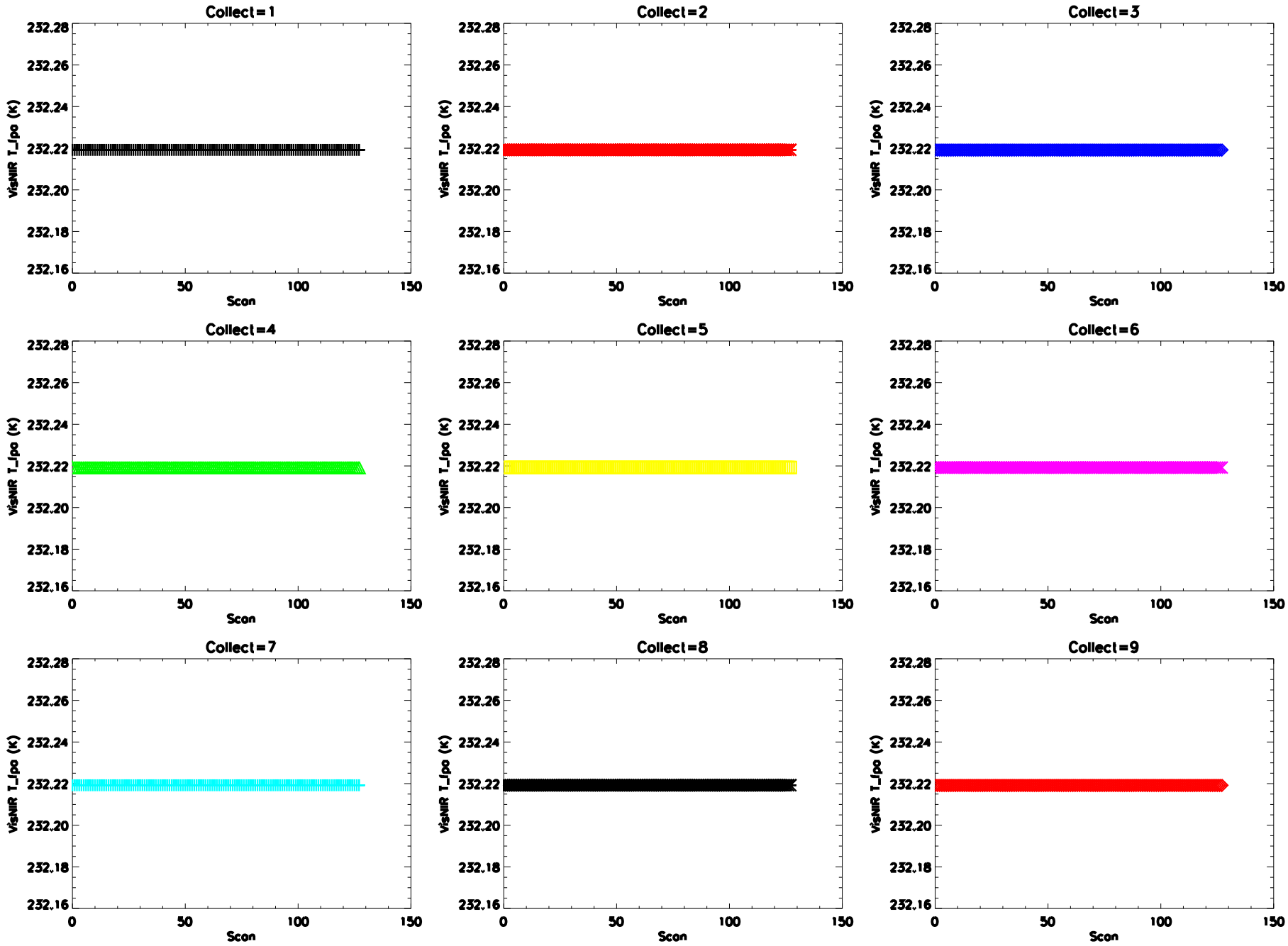

T_OBC per thermistors vs Scan
Collect=5
Collect=6
Collect=7
Collect=8
T_obc (K)
Scan
292.570
292.565
292.560
292.555
292.550
292.545
292.540
292.575
0
50
100
150
1
2
3
4
5
6


T_OBC per thermistors vs Scan
Collect=9
Collect=10
Collect=11
Collect=12
T_obc (K)
Scan
292.60
292.59
292.58
292.57
292.56
292.55
292.54
292.52
292.58
292.57
292.56
292.55
292.54
300
200
100
0
0
50
100
150
1
2
3
4
5
6

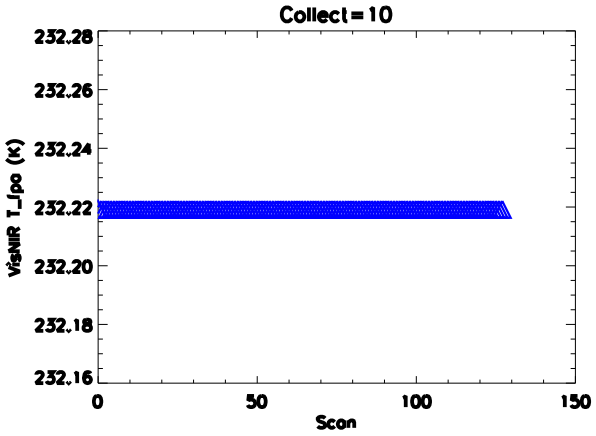

OBC thermistor standard deviations vs Collect
Standard deviation
0.030
0.025
0.020
0.015
0.010
0.005
0.000
0
5
10
15
Collect
1
2
3
4
5
6

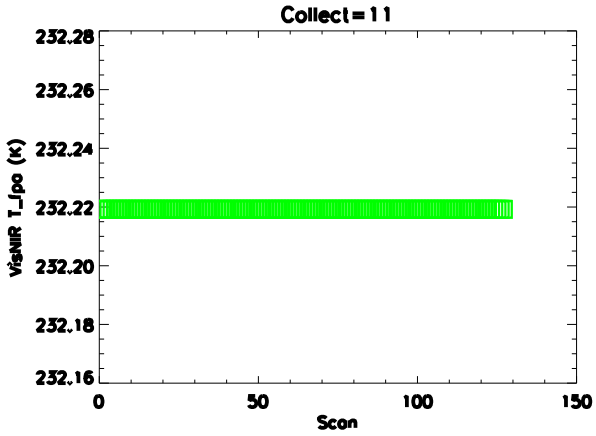

VisNIR T_fpa vs Scan and Collect
VisNIR T_fpa (K)
232.8
232.6
232.4
232.2
232.0
231.8
231.6
0
500
1000
1500
2000
Collect*scan

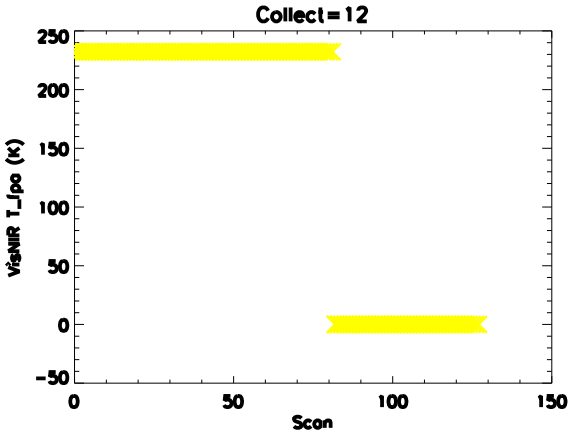

VisNIR T_fpa vs Time
VisNIR T_fpa (K)
232.8
232.6
232.4
232.2
232.0
231.8
231.6
−100
0
100
200
300
400
Time (min)

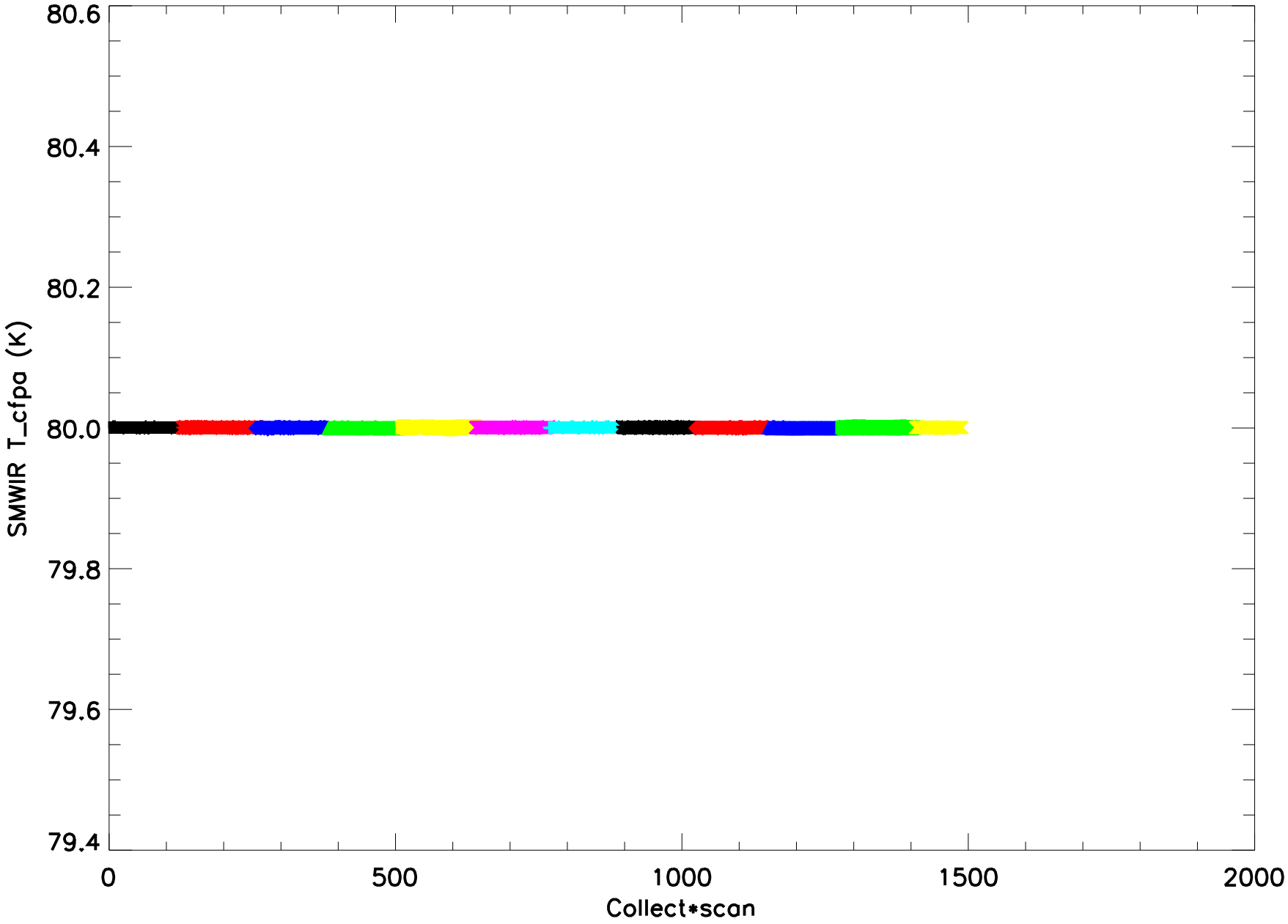

Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
ViSNIR T_fpo (K)
232.28
232.26
232.24
232.22
232.20
232.18
232.16
0
50
100
150
Scan

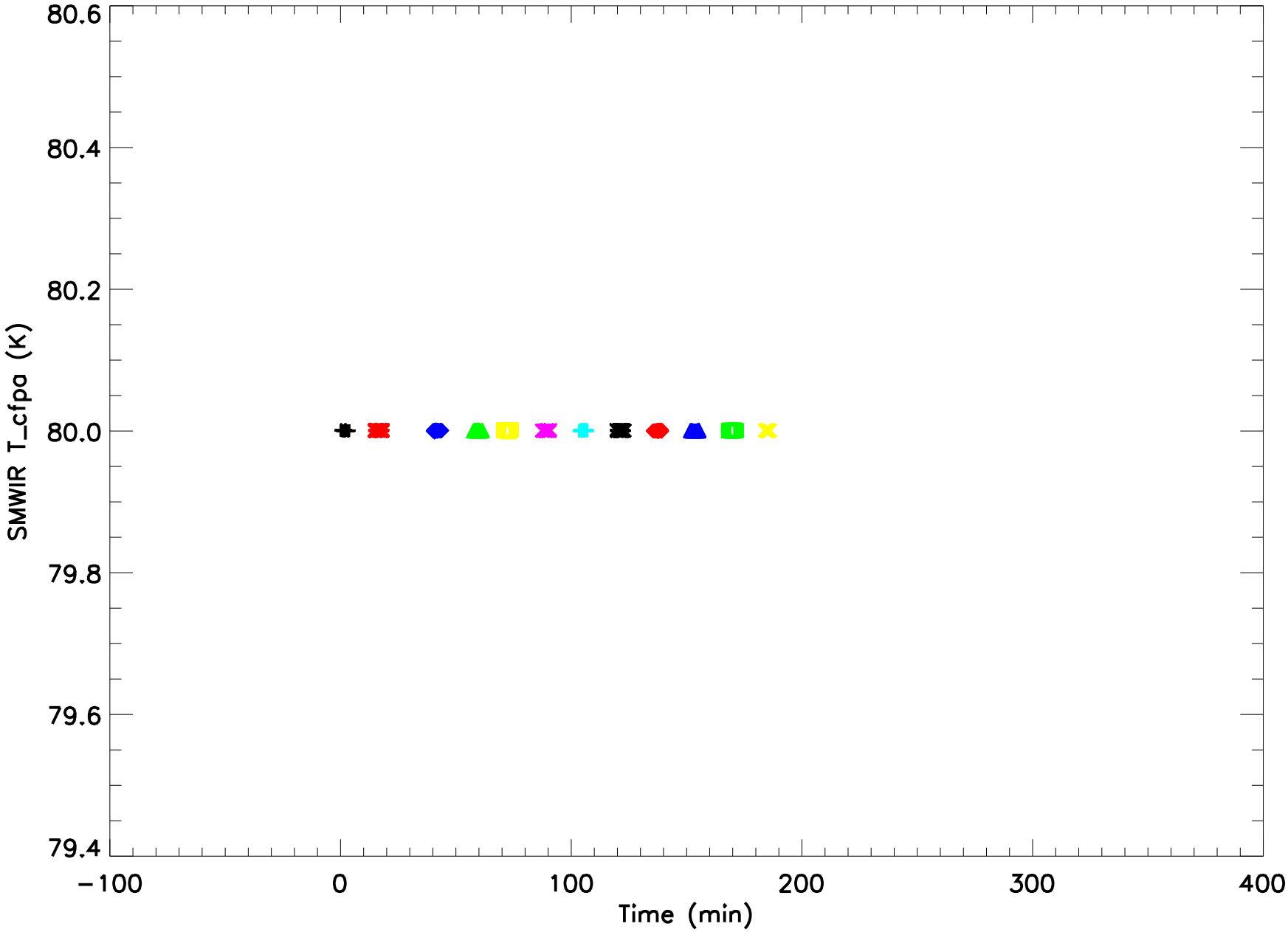
VisNIR T_fpa vs Scan

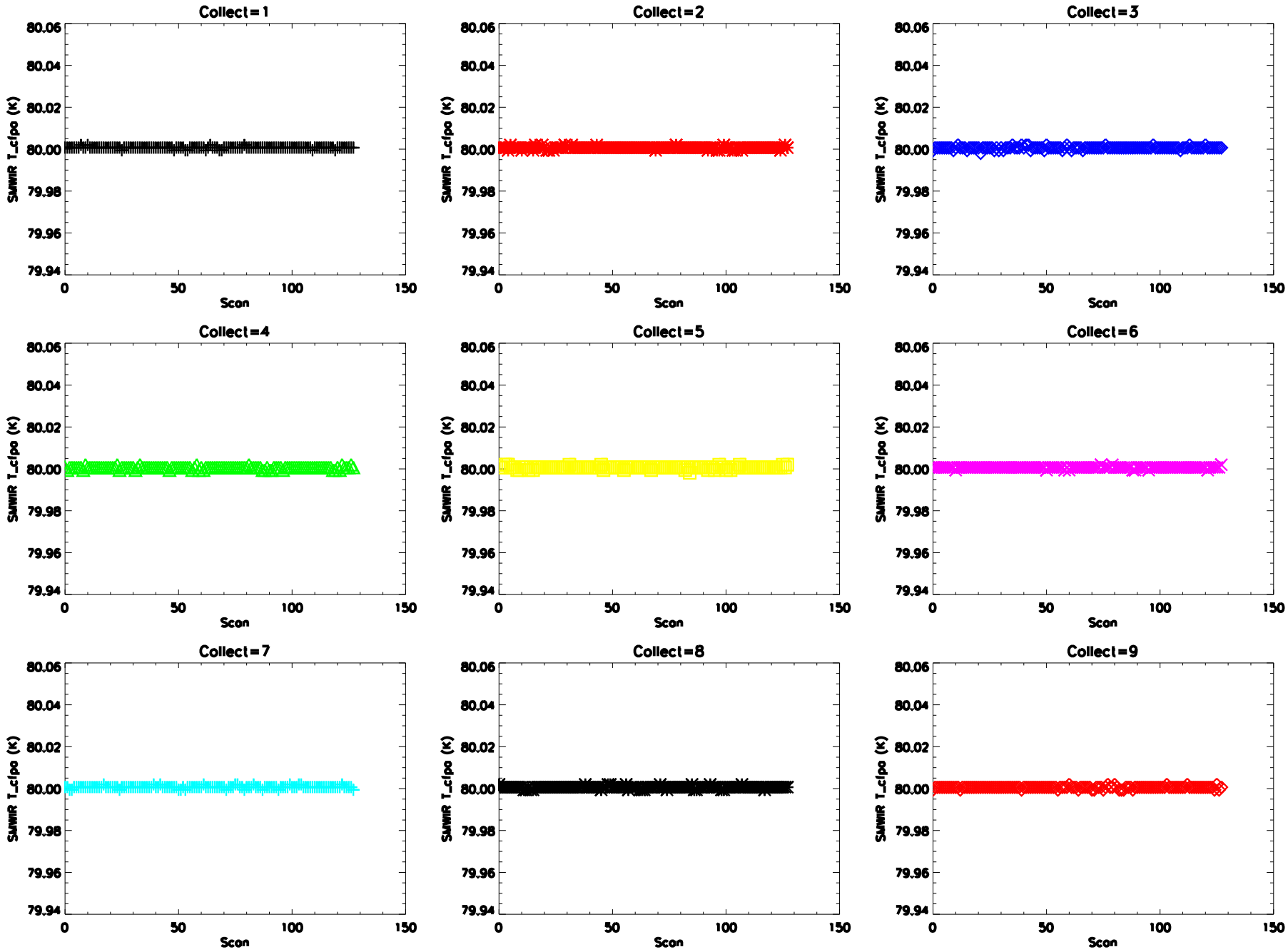




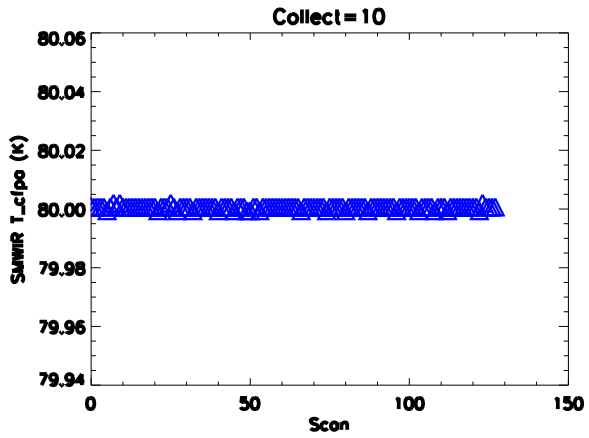


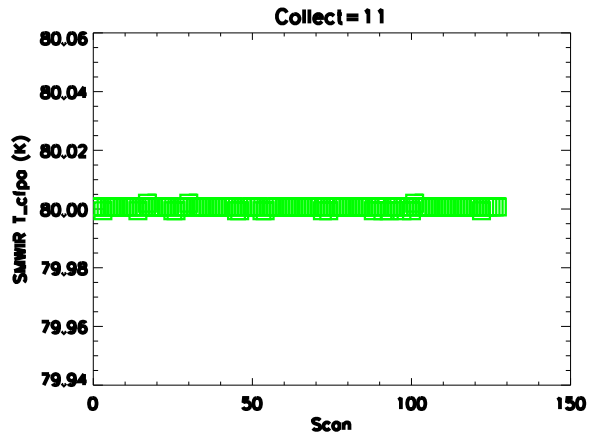

SMWIR T_cfpa vs Scan and Collect
80.6
80.4
80.2
80.0
79.8
79.6
79.4
SMWIR T_cfpa (K)
0
500
1000
1500
2000
Collect*scan

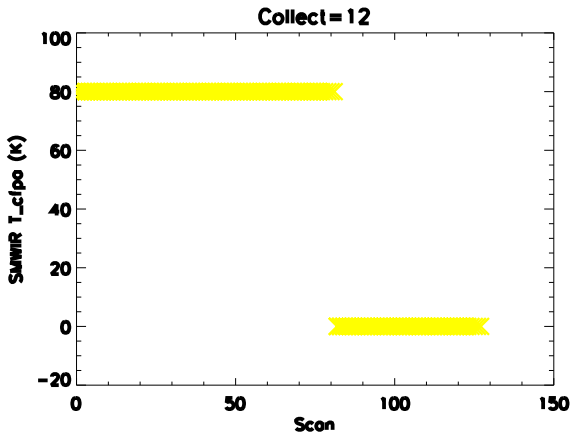

SMWIR T_cfpa vs Time
80.6
80.4
80.2
80.0
79.8
79.6
79.4
SMWIR T_cfpa (K)
−100
0
100
200
300
400
Time (min)

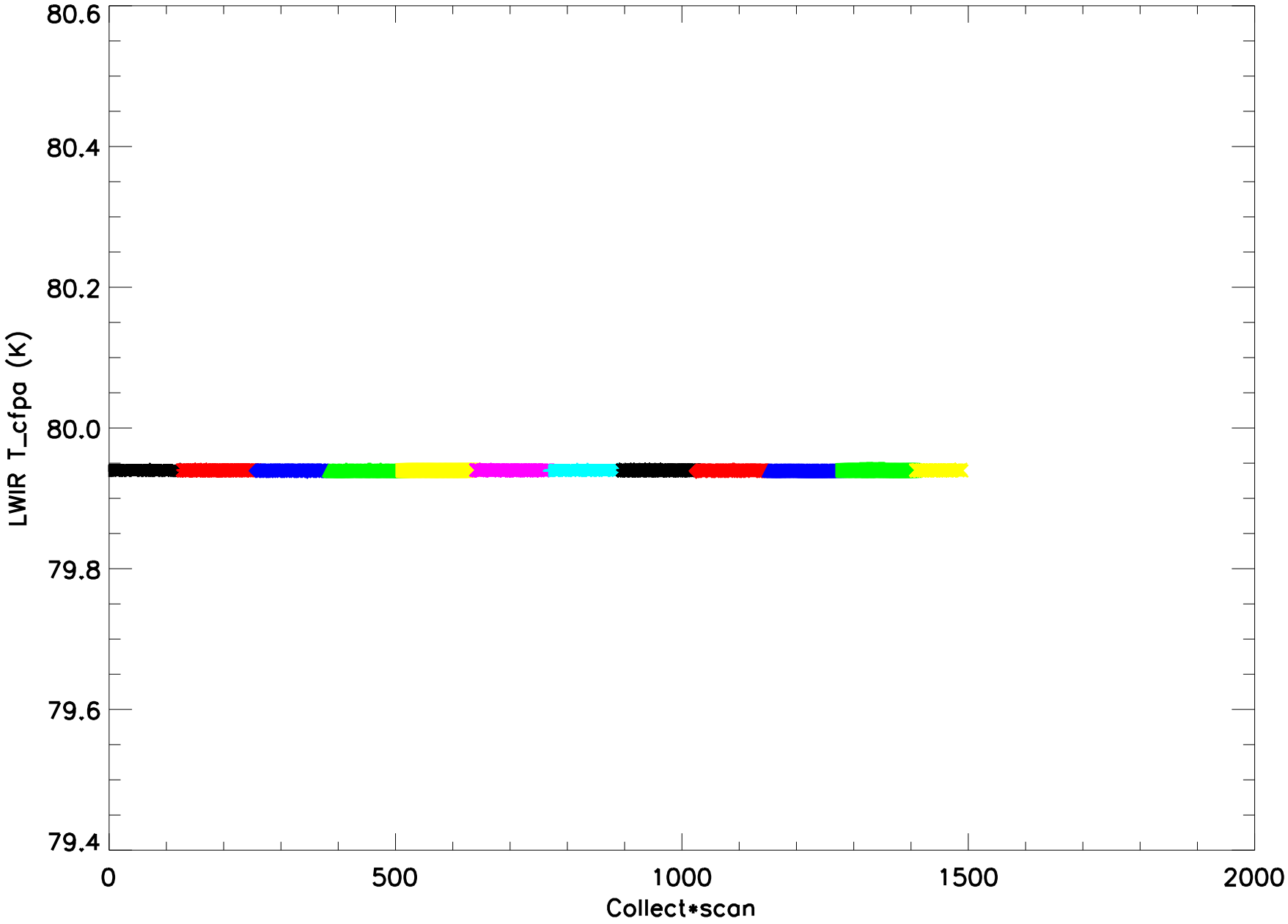

Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
SMWIR T_clpa (K)
Scan
80.06
80.04
80.02
80.00
79.98
79.96
79.94
0
50
100
150

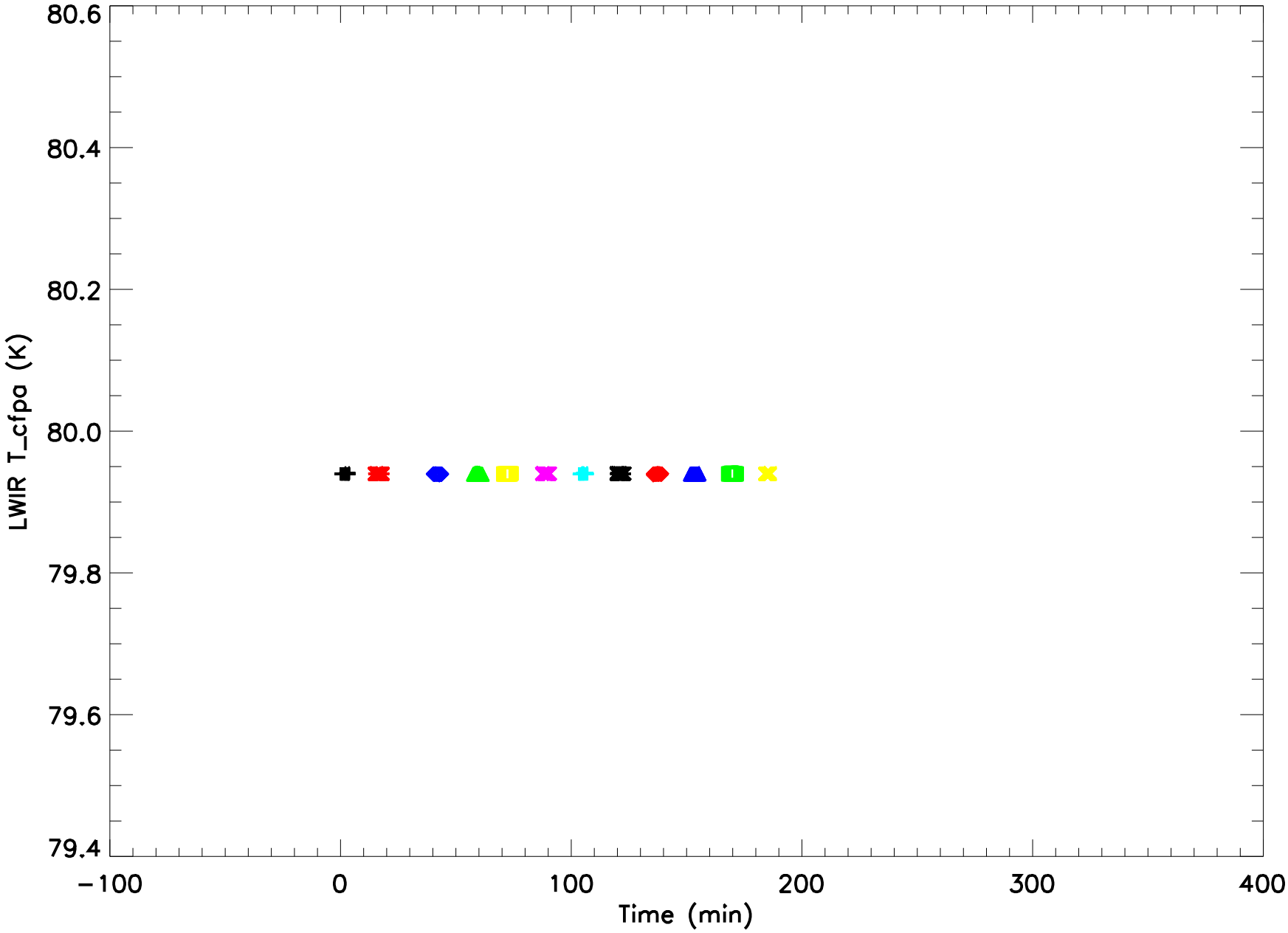
SMWIR T_cfpa vs Scan

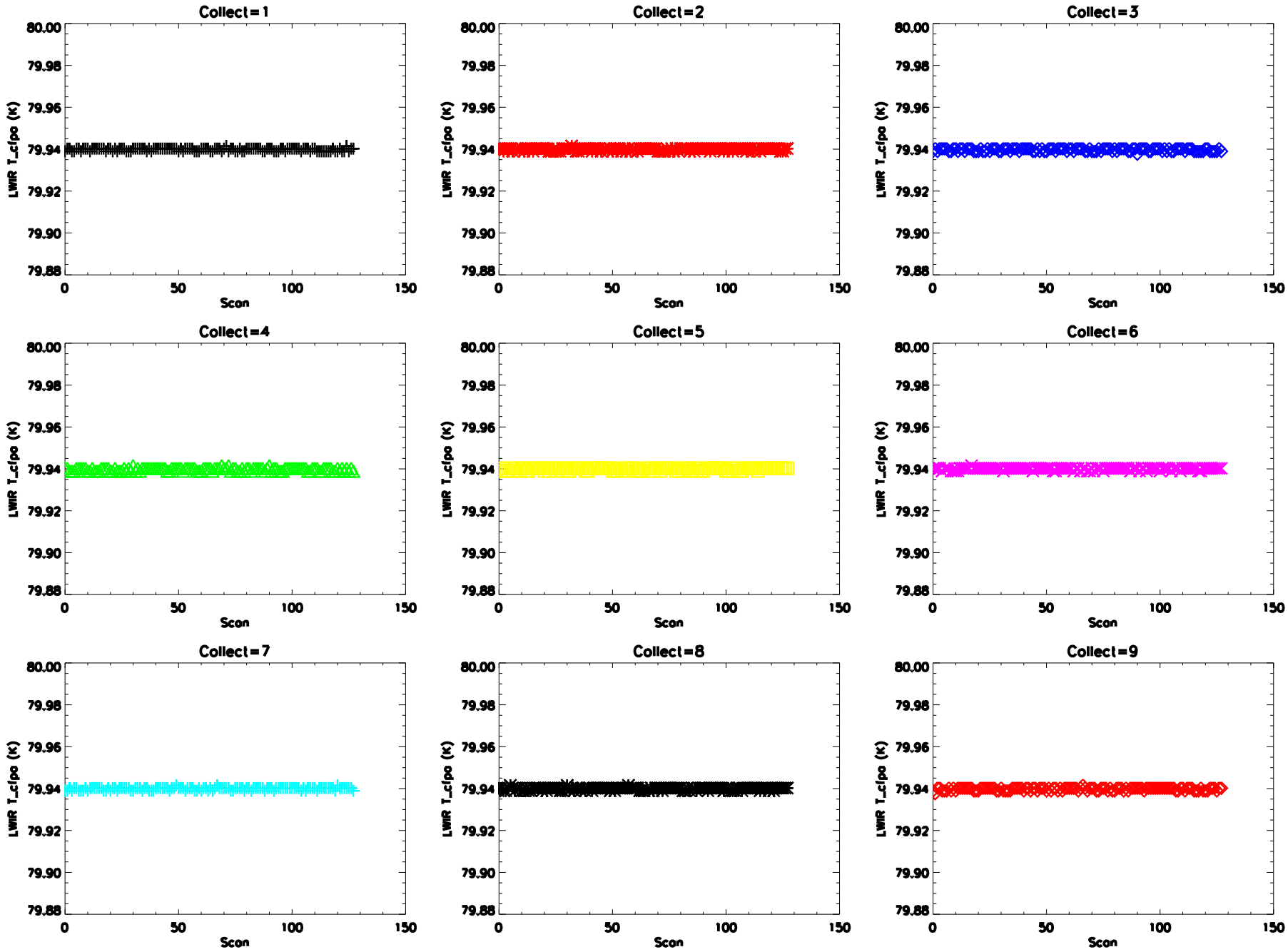




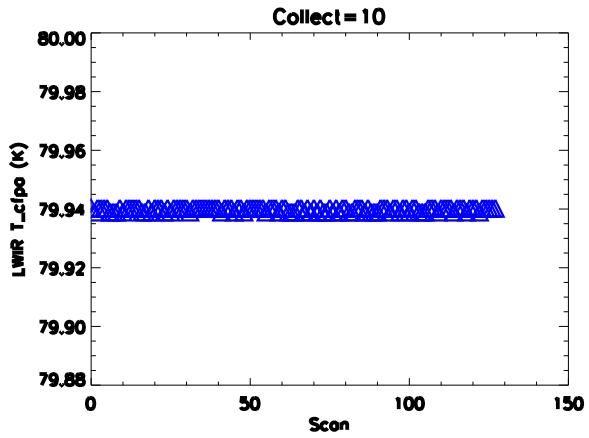


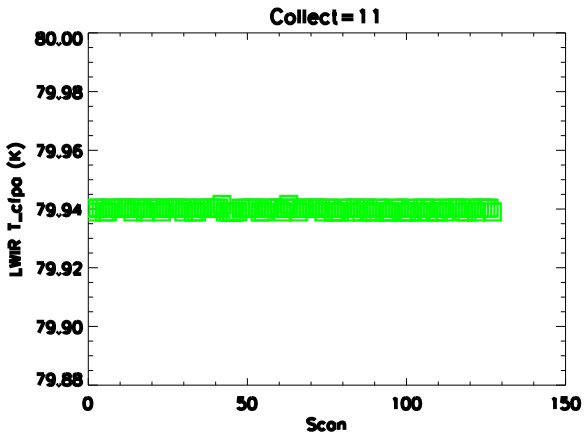

LWIR T_cfpa vs Scan and Collect
80.6
80.4
80.2
80.0
79.8
79.6
79.4
LWIR T_cfpa (K)
0
500
1000
1500
2000
Collect*scan

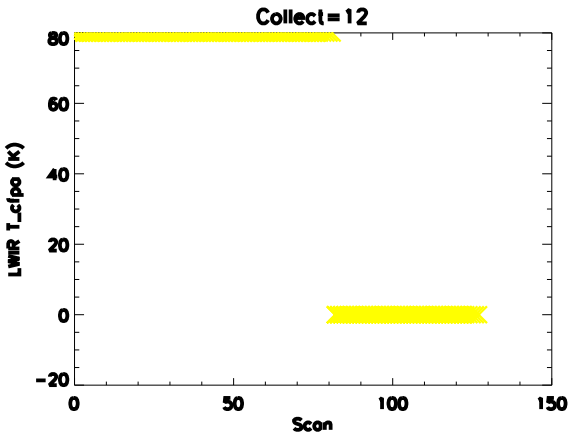

LWIR T_cfpa vs Time
80.6
80.4
80.2
80.0
79.8
79.6
79.4
LWIR T_cfpa (K)
−100
0
100
200
300
400
Time (min)

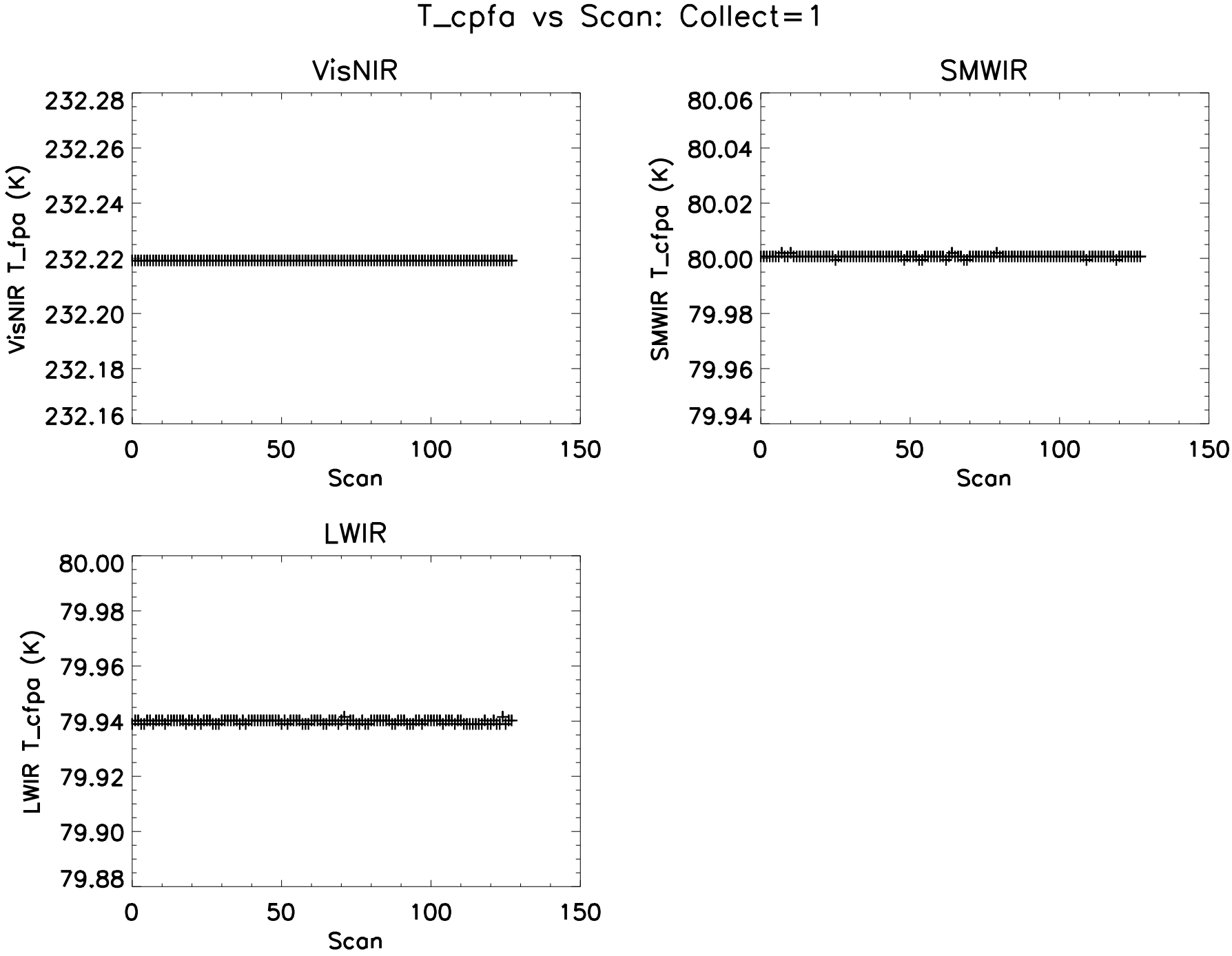

Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
LWIR T_clpo (K)
80.00
79.98
79.96
79.94
79.92
79.90
79.88
0
50
100
150
Scan

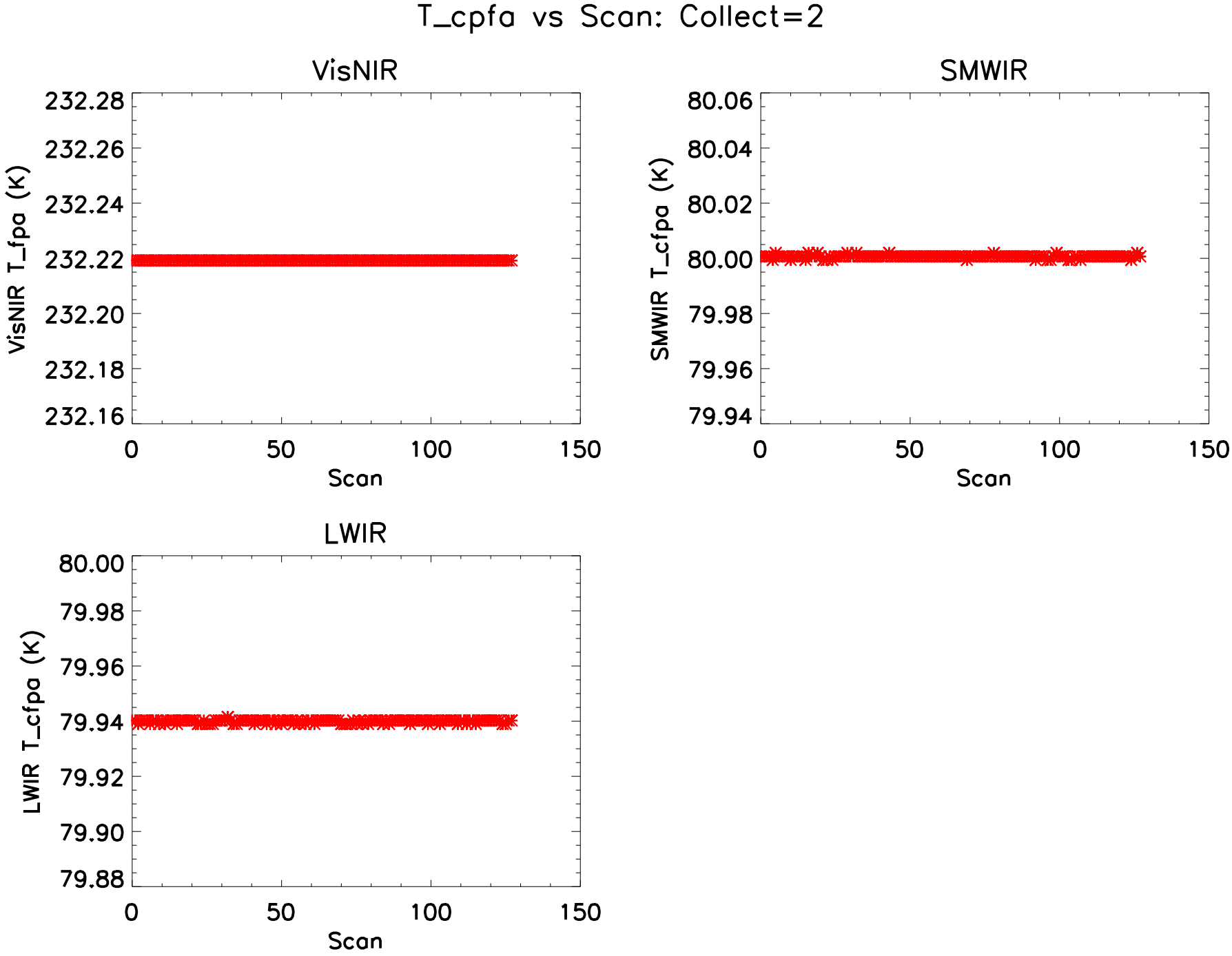
LWIR T_cfpa vs Scan

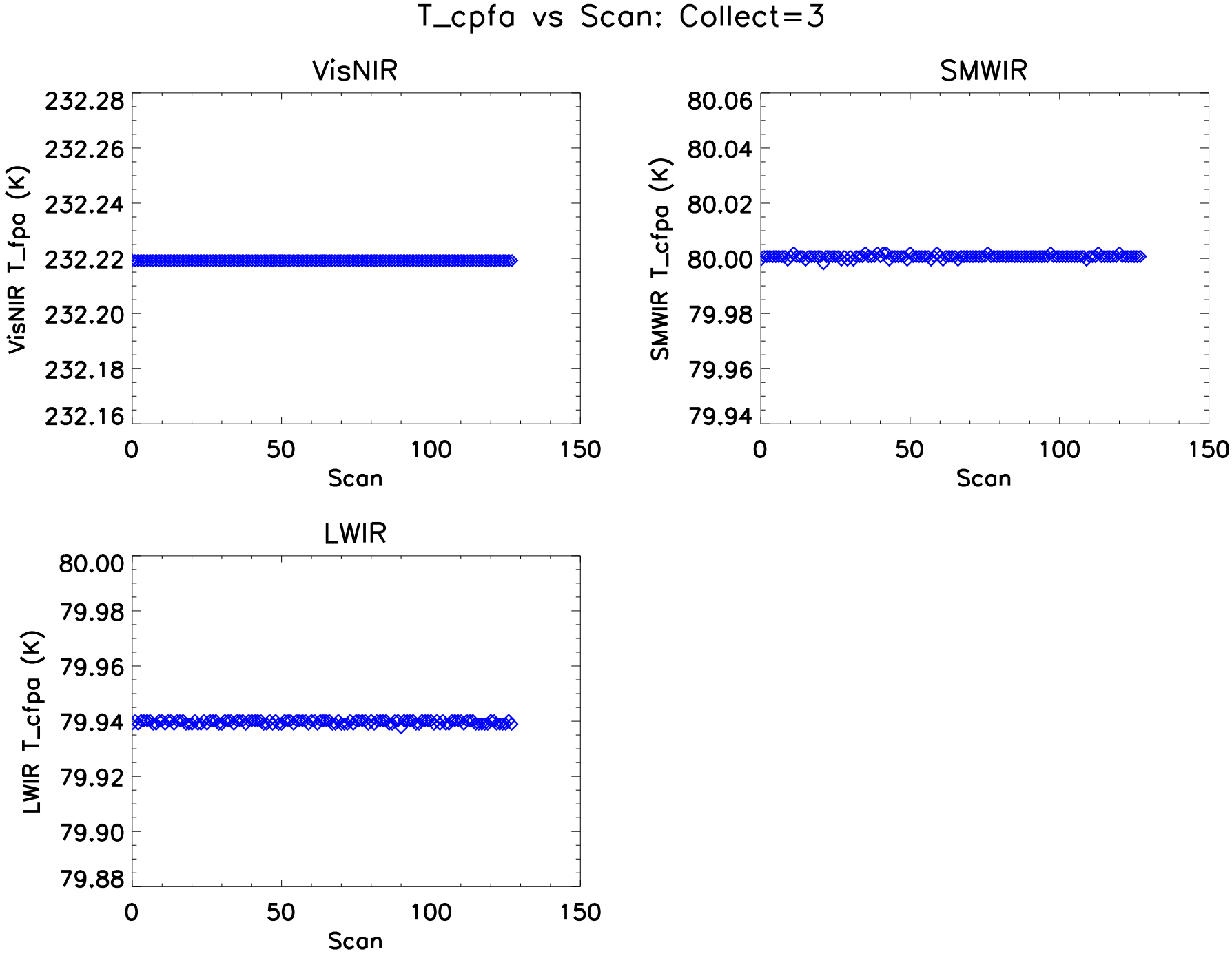


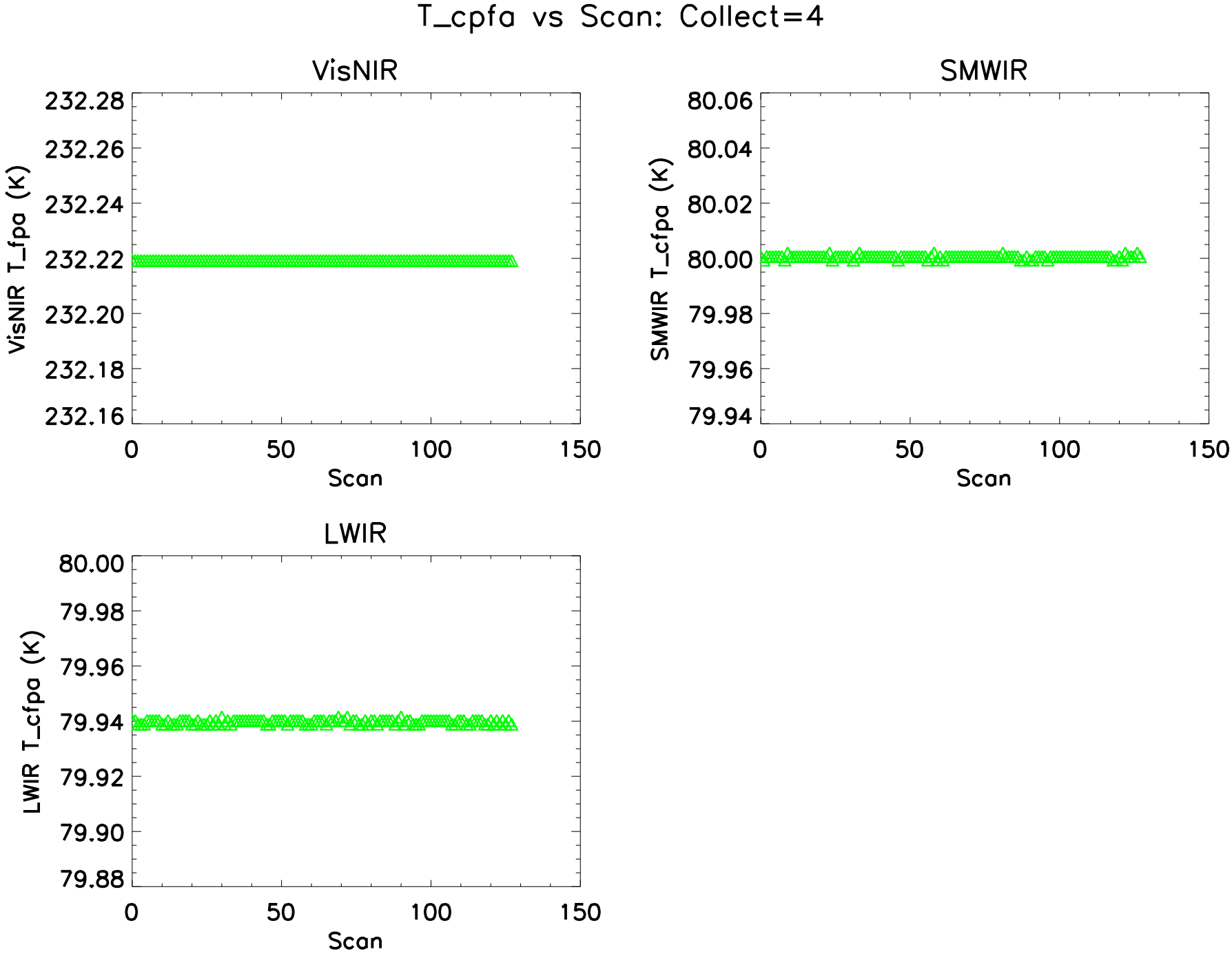


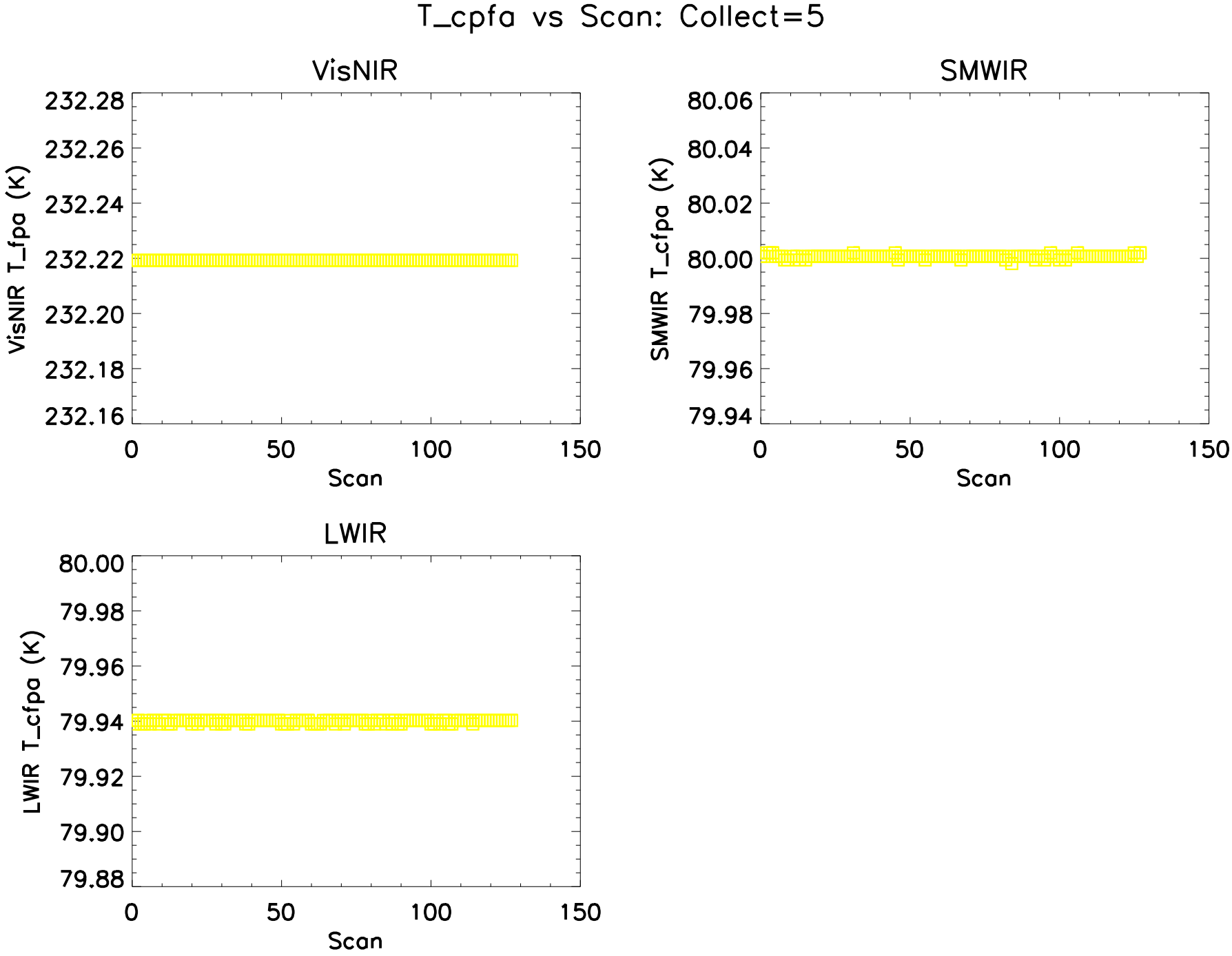


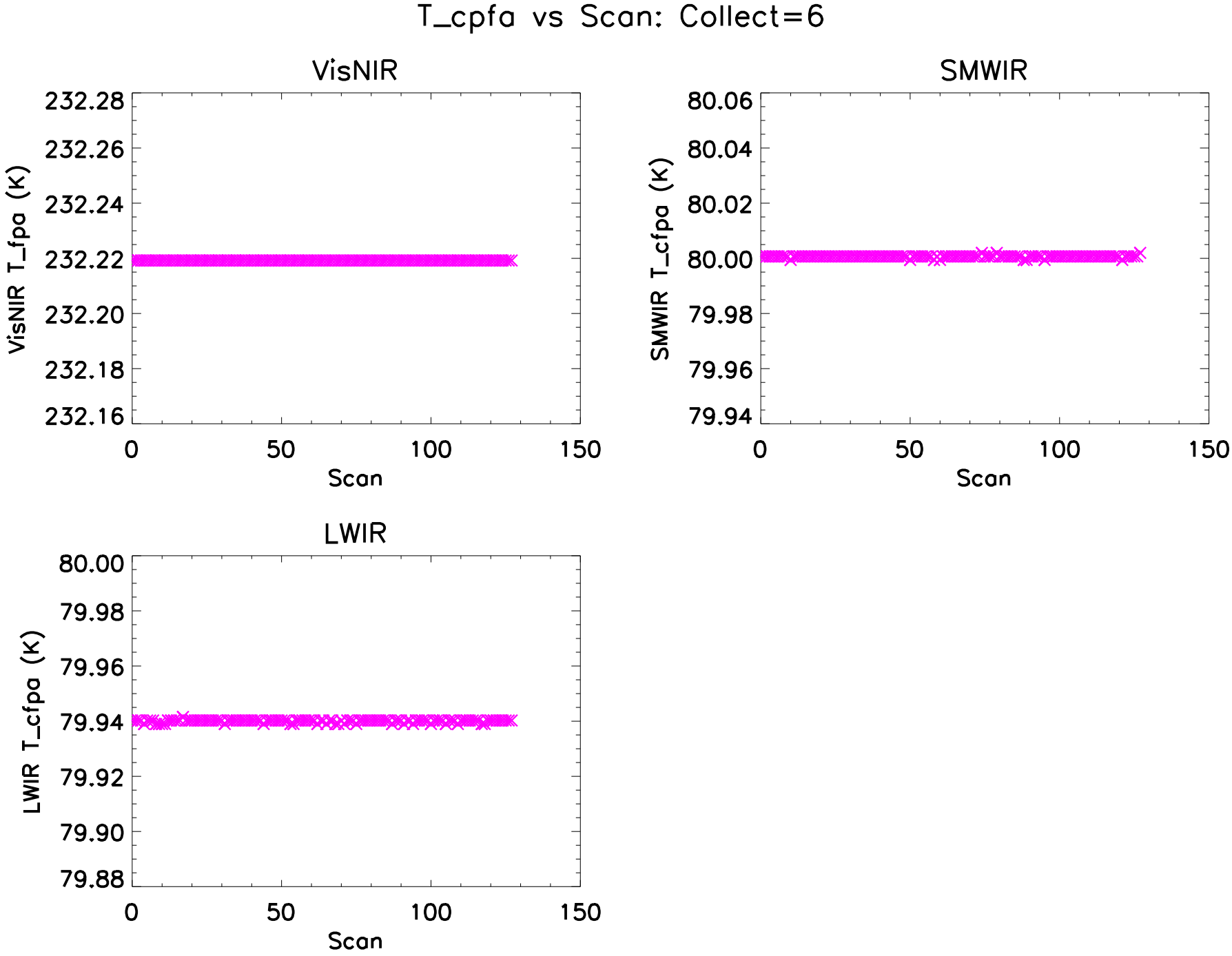

T_cpfa vs Scan: Collect=1
VisNIR
VisNIR T_fpa (K)
232.28
232.26
232.24
232.22
232.20
232.18
232.16
0
50
100
150
Scan
SMWIR
SMWIR T_cfpa (K)
80.06
80.04
80.02
80.00
79.98
79.96
79.94
0
50
100
150
Scan
LWIR
LWIR T_cfpa (K)
80.00
79.98
79.96
79.94
79.92
79.90
79.88
0
50
100
150
Scan

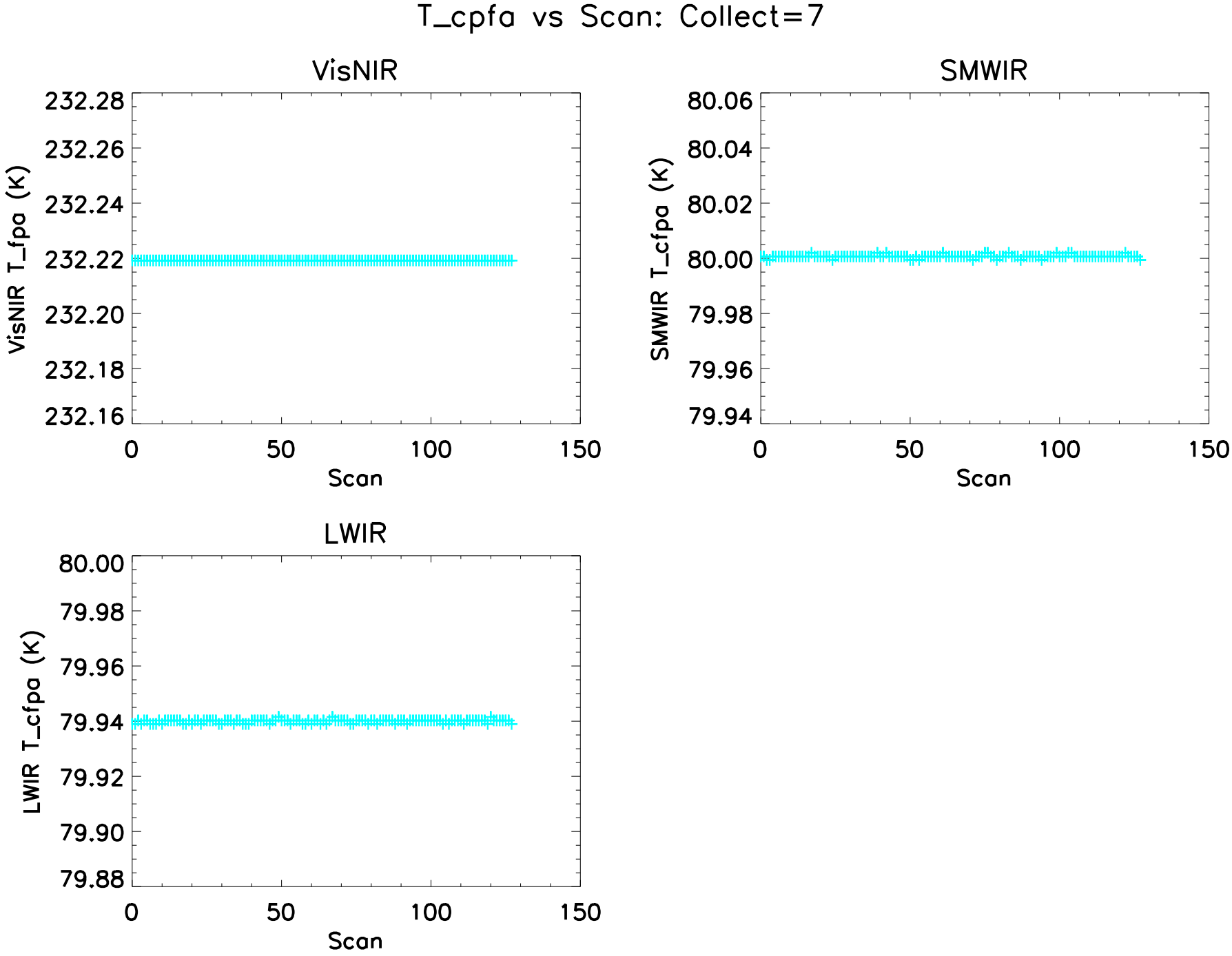

T_cpfa vs Scan: Collect=2
VisNIR
VisNIR T_fpa (K)
232.28
232.26
232.24
232.22
232.20
232.18
232.16
0
50
100
150
Scan
SMWIR
SMWIR T_cfpa (K)
80.06
80.04
80.02
80.00
79.98
79.96
79.94
0
50
100
150
Scan
LWIR
LWIR T_cfpa (K)
80.00
79.98
79.96
79.94
79.92
79.90
79.88
0
50
100
150
Scan

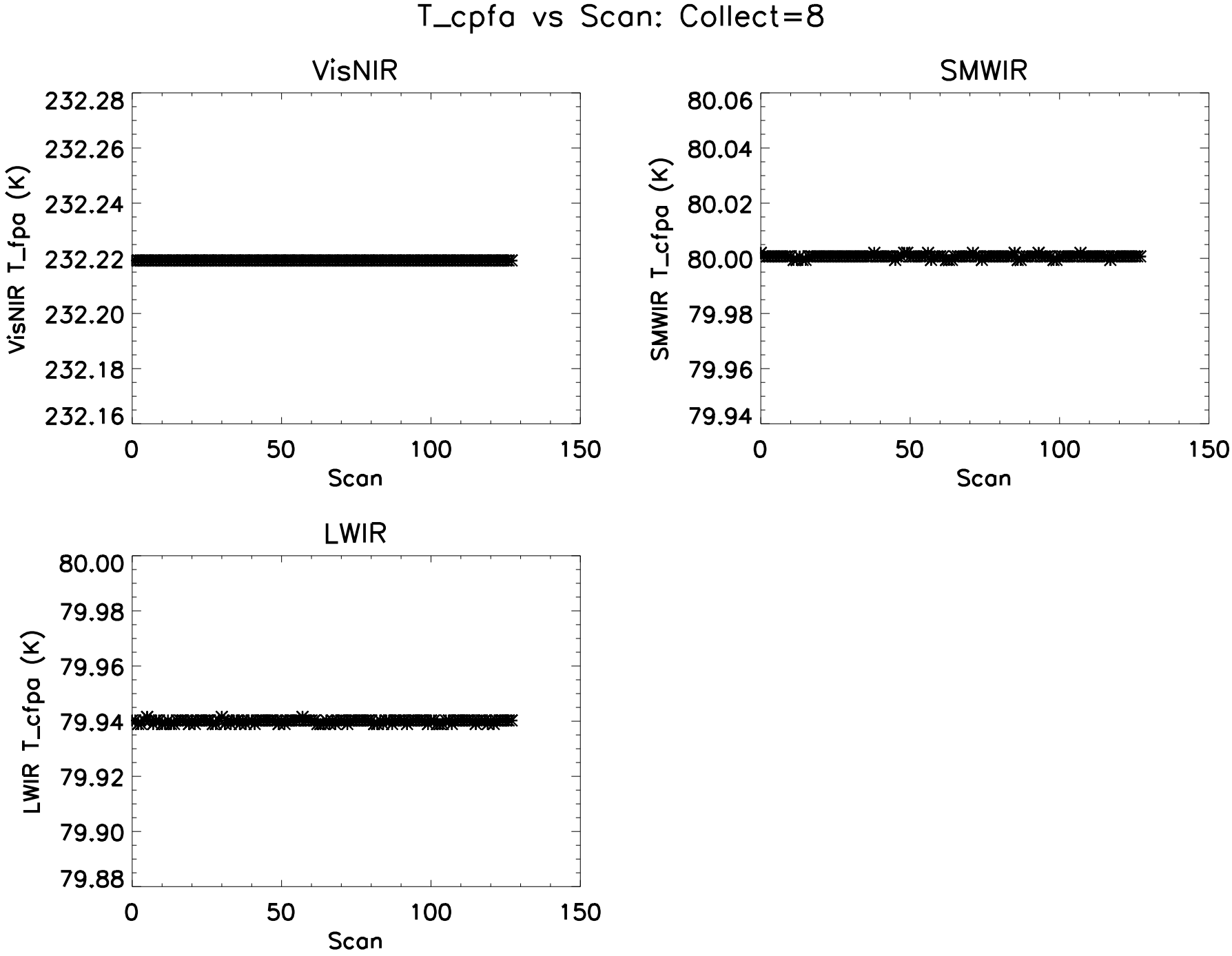

T_cpfa vs Scan: Collect=3
VisNIR
VisNIR T_fpa (K)
232.28
232.26
232.24
232.22
232.20
232.18
232.16
0
50
100
150
Scan
SMWIR
SMWIR T_cfpa (K)
80.06
80.04
80.02
80.00
79.98
79.96
79.94
0
50
100
150
Scan
LWIR
LWIR T_cfpa (K)
80.00
79.98
79.96
79.94
79.92
79.90
79.88
0
50
100
150
Scan

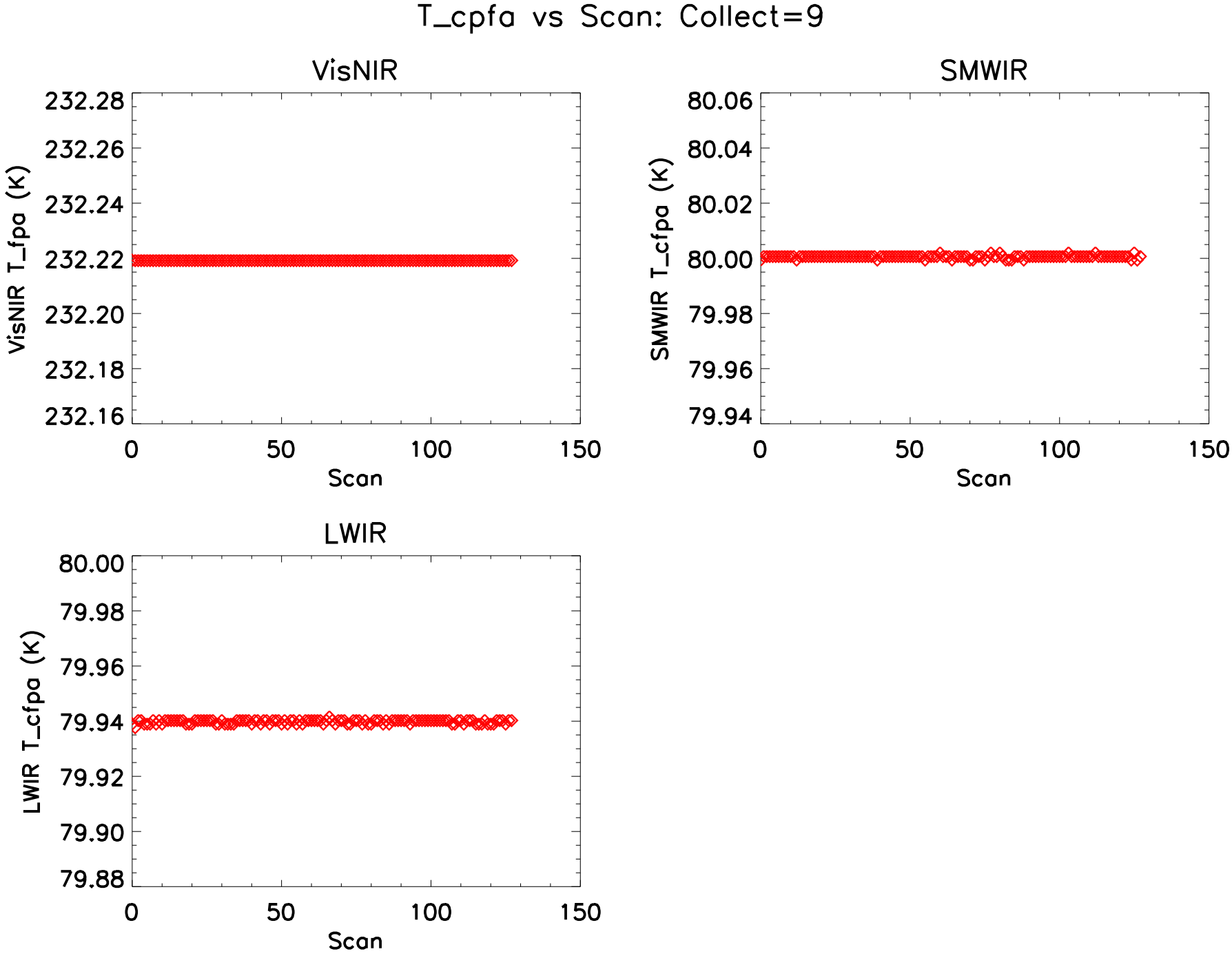

T_cpfa vs Scan: Collect=4
VisNIR
VisNIR T_fpa (K)
232.28
232.26
232.24
232.22
232.20
232.18
232.16
0
50
100
150
Scan
SMWIR
SMWIR T_cfpa (K)
80.06
80.04
80.02
80.00
79.98
79.96
79.94
0
50
100
150
Scan
LWIR
LWIR T_cfpa (K)
80.00
79.98
79.96
79.94
79.92
79.90
79.88
0
50
100
150
Scan

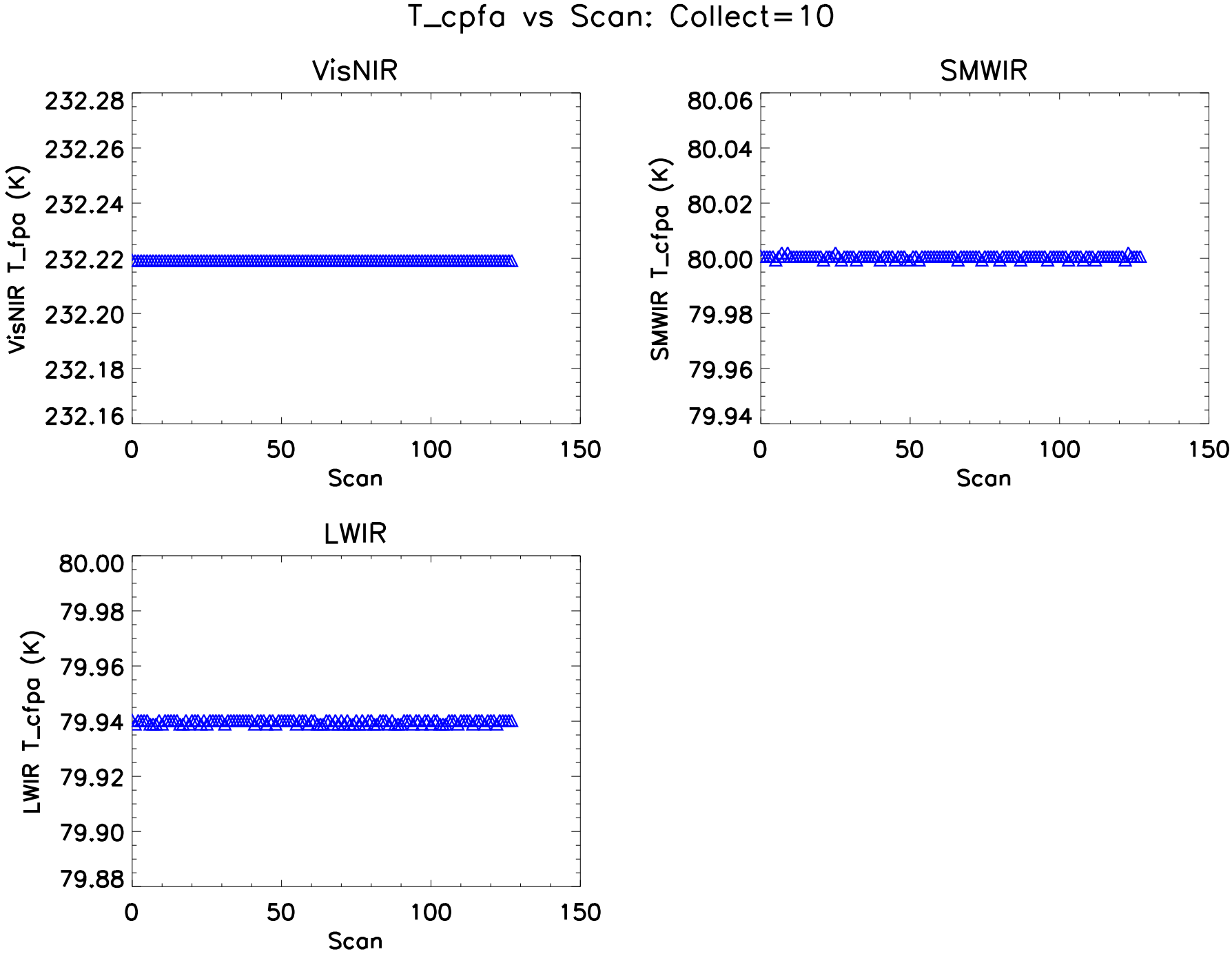

T_cpfa vs Scan: Collect=5
VisNIR
VisNIR T_fpa (K)
232.28
232.26
232.24
232.22
232.20
232.18
232.16
0
50
100
150
Scan
SMWIR
SMWIR T_cfpa (K)
80.06
80.04
80.02
80.00
79.98
79.96
79.94
0
50
100
150
Scan
LWIR
LWIR T_cfpa (K)
80.00
79.98
79.96
79.94
79.92
79.90
79.88
0
50
100
150
Scan

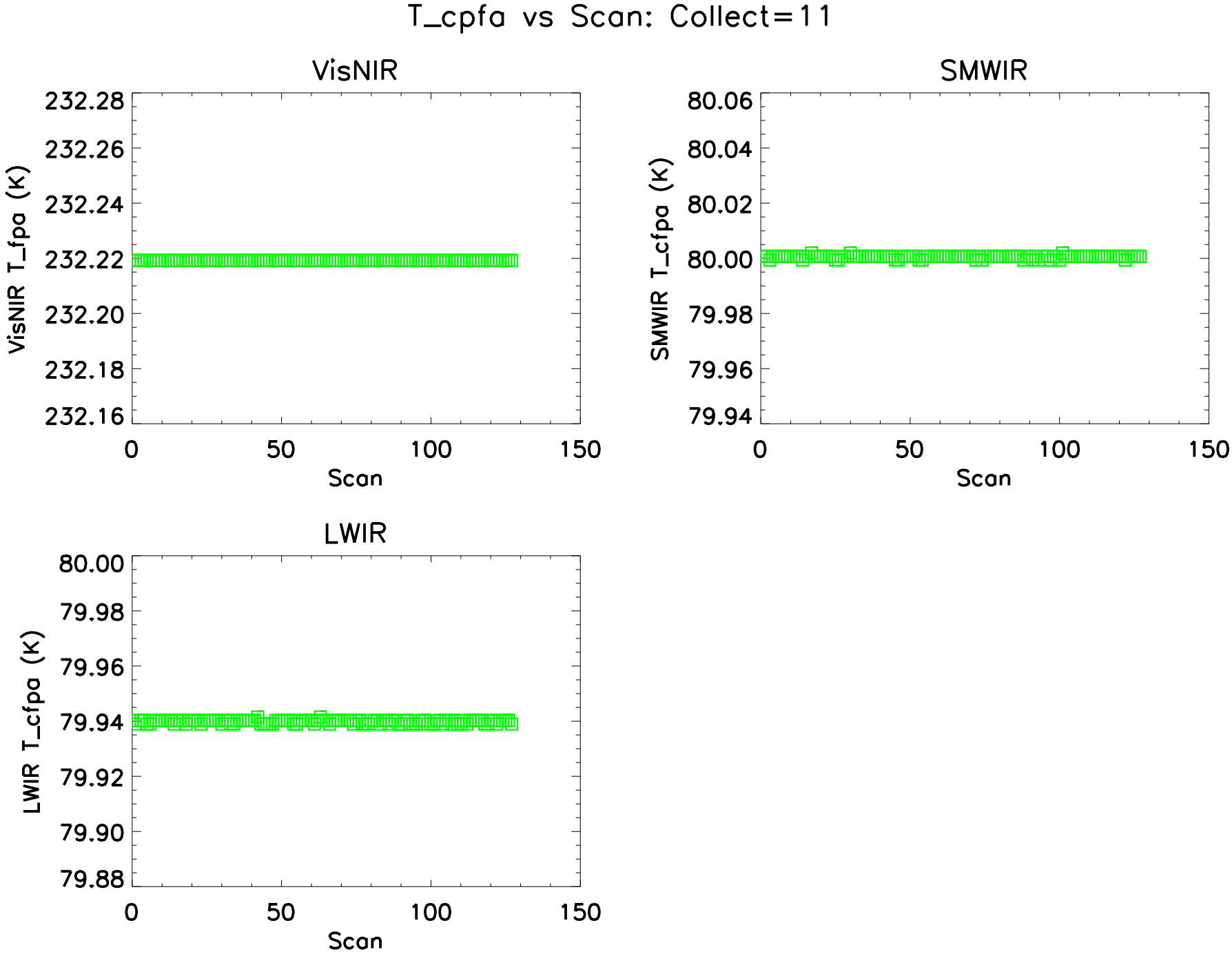

T_cpfa vs Scan: Collect=6
VisNIR
VisNIR T_fpa (K)
232.28
232.26
232.24
232.22
232.20
232.18
232.16
0
50
100
150
Scan
SMWIR
SMWIR T_cfpa (K)
80.06
80.04
80.02
80.00
79.98
79.96
79.94
0
50
100
150
Scan
LWIR
LWIR T_cfpa (K)
80.00
79.98
79.96
79.94
79.92
79.90
79.88
0
50
100
150
Scan

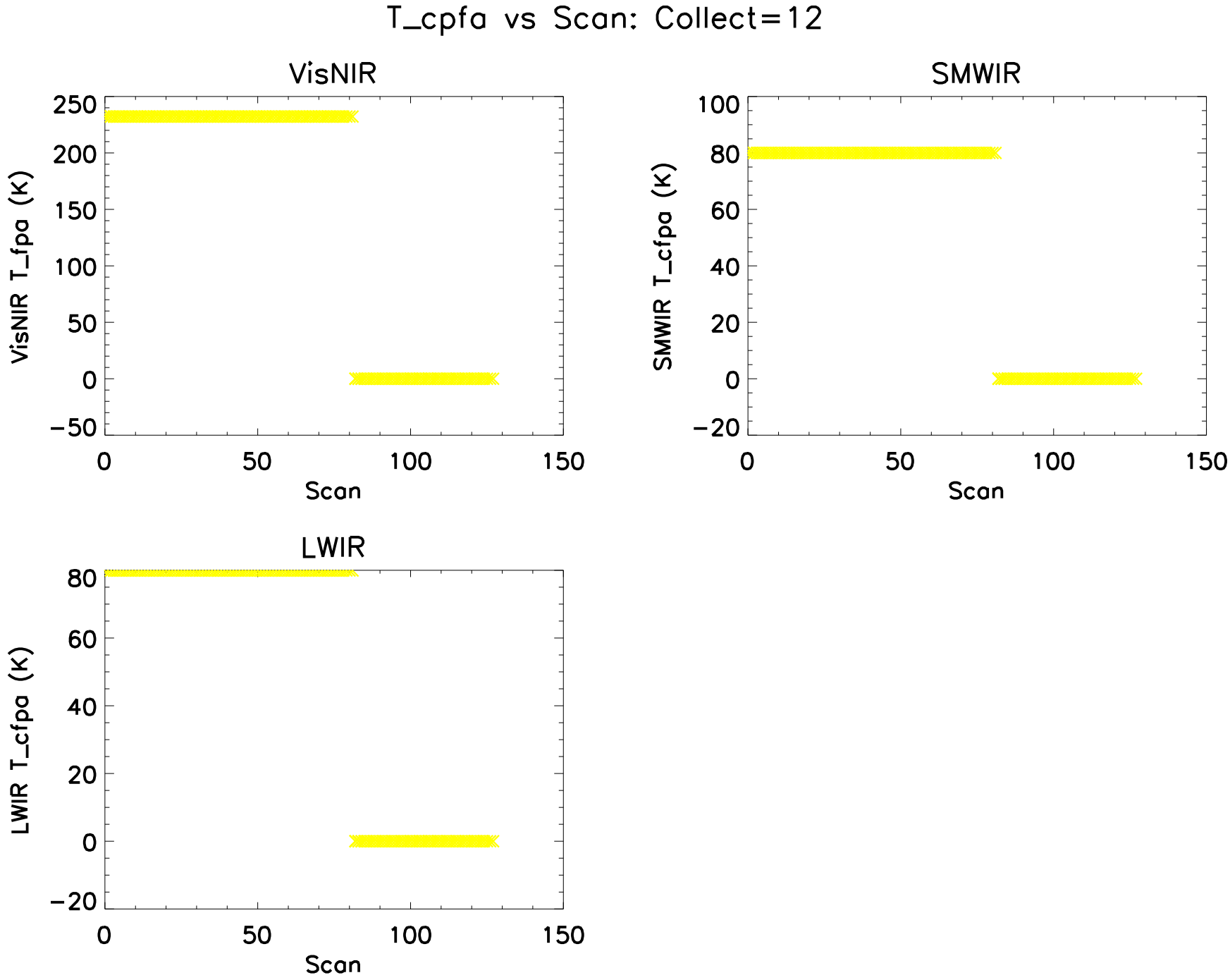

T_cpfa vs Scan: Collect=7
VisNIR
VisNIR T_fpa (K)
232.28
232.26
232.24
232.22
232.20
232.18
232.16
0
50
100
150
Scan
SMWIR
SMWIR T_cfpa (K)
80.06
80.04
80.02
80.00
79.98
79.96
79.94
0
50
100
150
Scan
LWIR
LWIR T_cfpa (K)
80.00
79.98
79.96
79.94
79.92
79.90
79.88
0
50
100
150
Scan

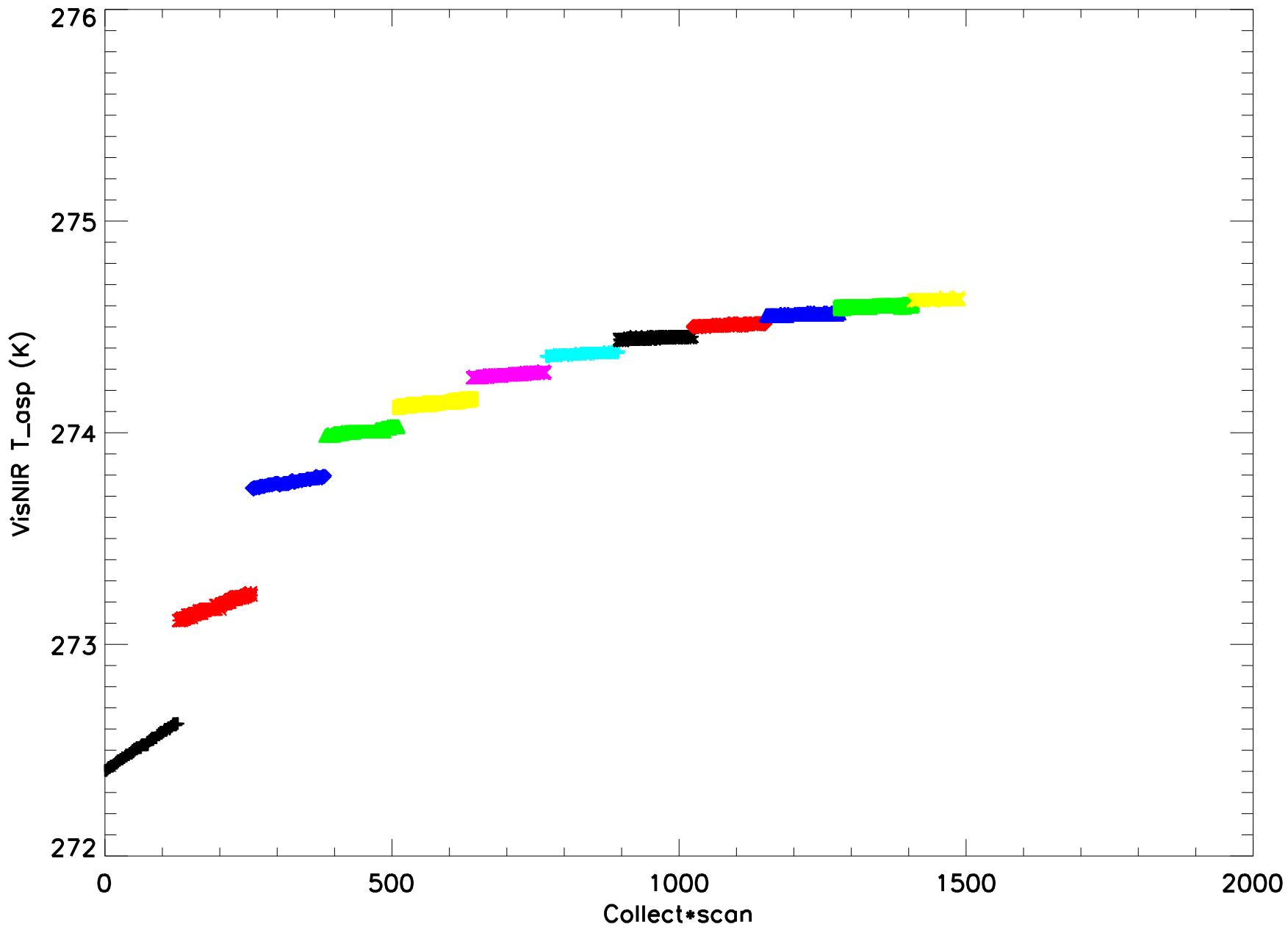

T_cpfa vs Scan: Collect=8
VisNIR
VisNIR T_fpa (K)
232.28
232.26
232.24
232.22
232.20
232.18
232.16
0
50
100
150
Scan
SMWIR
SMWIR T_cfpa (K)
80.06
80.04
80.02
80.00
79.98
79.96
79.94
0
50
100
150
Scan
LWIR
LWIR T_cfpa (K)
80.00
79.98
79.96
79.94
79.92
79.90
79.88
0
50
100
150
Scan

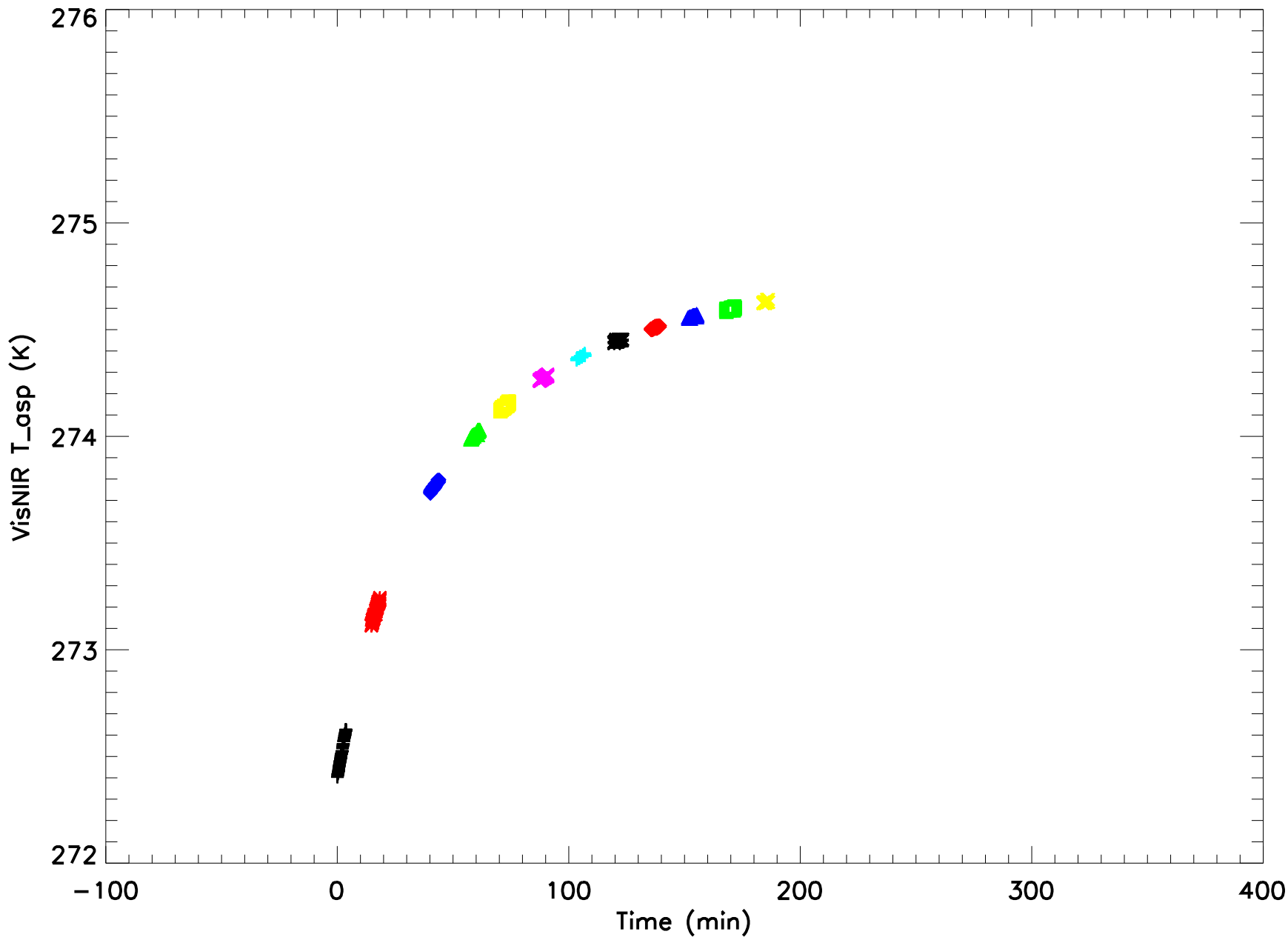

T_cpfa vs Scan: Collect=9
VisNIR
VisNIR T_fpa (K)
232.28
232.26
232.24
232.22
232.20
232.18
232.16
0
50
100
150
Scan
SMWIR
SMWIR T_cfpa (K)
80.06
80.04
80.02
80.00
79.98
79.96
79.94
0
50
100
150
Scan
LWIR
LWIR T_cfpa (K)
80.00
79.98
79.96
79.94
79.92
79.90
79.88
0
50
100
150
Scan

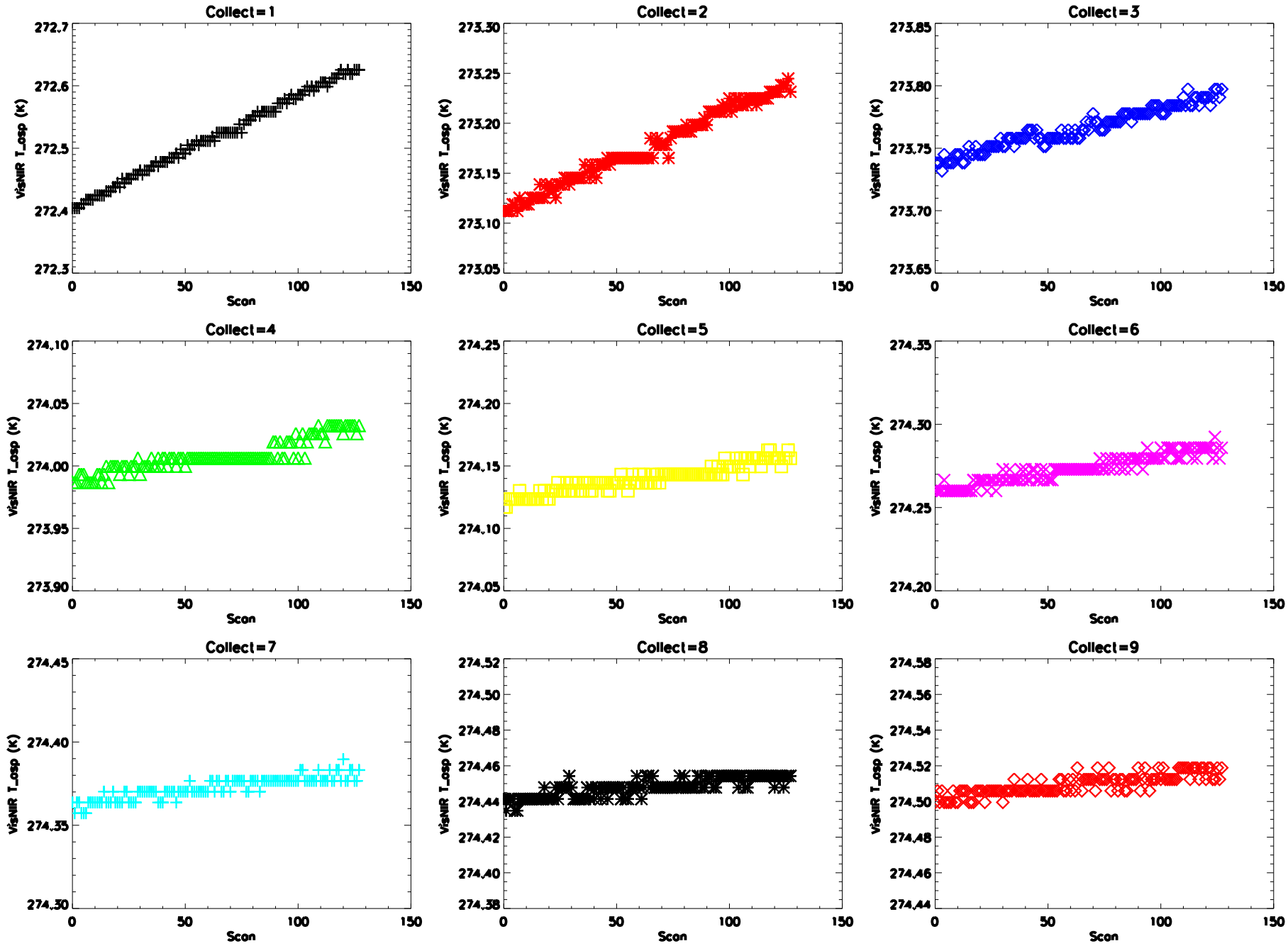

T_cpfa vs Scan: Collect=10
VisNIR
VisNIR T_fpa (K)
232.28
232.26
232.24
232.22
232.20
232.18
232.16
0
50
100
150
Scan
SMWIR
SMWIR T_cfpa (K)
80.06
80.04
80.02
80.00
79.98
79.96
79.94
0
50
100
150
Scan
LWIR
LWIR T_cfpa (K)
80.00
79.98
79.96
79.94
79.92
79.90
79.88
0
50
100
150
Scan


T_cpfa vs Scan: Collect=11
VisNIR
VisNIR T_fpa (K)
232.28
232.26
232.24
232.22
232.20
232.18
232.16
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)
80.00
79.98
79.96
79.94
79.92
79.90
79.88
0
50
100
150
Scan

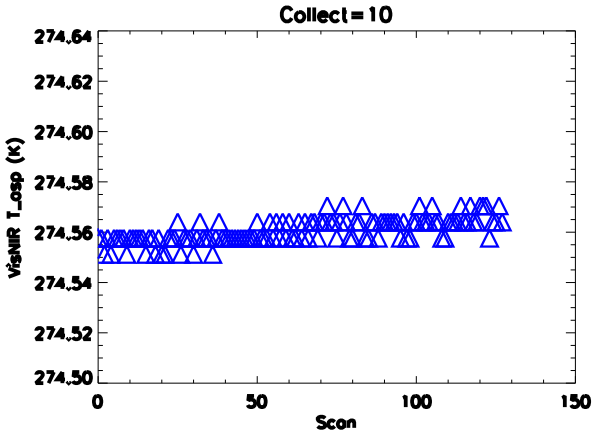

T_cpfa vs Scan: Collect=12
VisNIR
VisNIR T_fpa (K)
250
200
150
100
50
0
−50
0
50
100
150
Scan
SMWIR
SMWIR T_cfpa (K)
100
80
60
40
20
0
−20
0
50
100
150
Scan
LWIR
LWIR T_cfpa (K)
80
60
40
20
0
−20
0
50
100
150
Scan

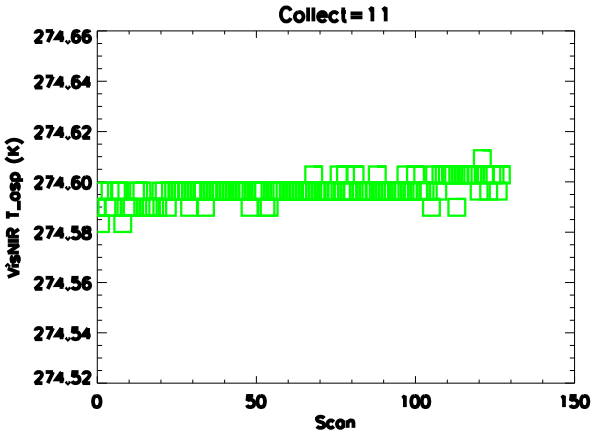

VisNIR T_asp vs Scan and Collect
276
275
274
273
272
VisNIR T_asp (K)
0
500
1000
1500
2000
Collect*scan

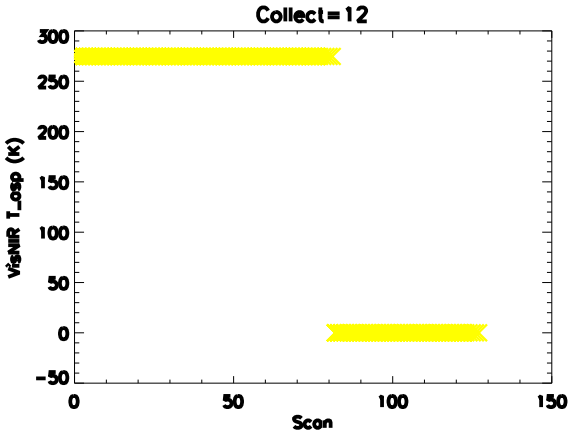

VisNIR T_asp vs Time
276
275
274
273
272
VisNIR T_asp (K)
−100
0
100
200
300
400
Time (min)

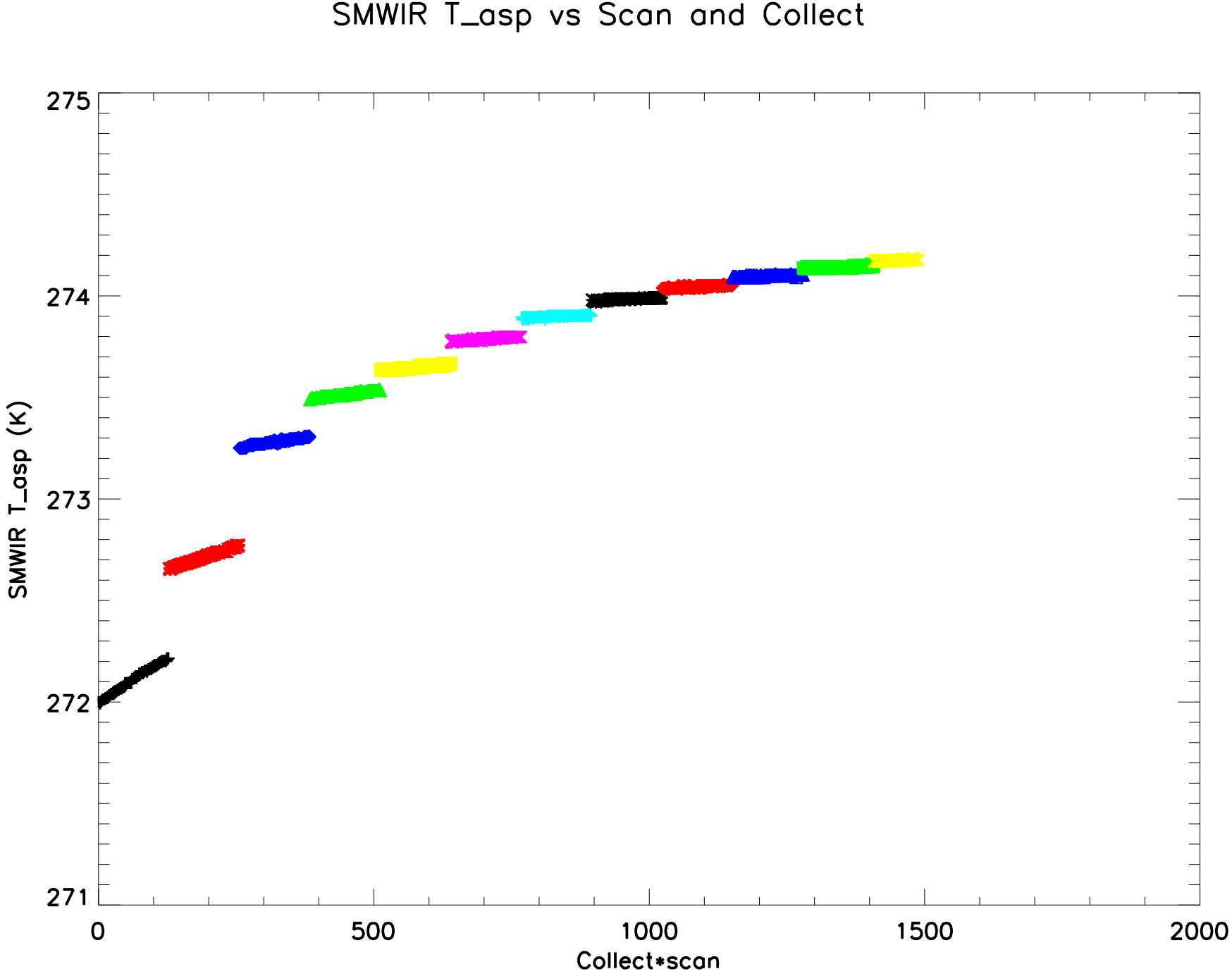

Collect=1
VisNIR T_osp (K)
Scan
Collect=2
VisNIR T_osp (K)
Scan
Collect=3
VisNIR T_osp (K)
Scan
Collect=4
VisNIR T_osp (K)
Scan
Collect=5
VisNIR T_osp (K)
Scan
Collect=6
VisNIR T_osp (K)
Scan
Collect=7
VisNIR T_osp (K)
Scan
Collect=8
VisNIR T_osp (K)
Scan
Collect=9
VisNIR T_osp (K)
Scan

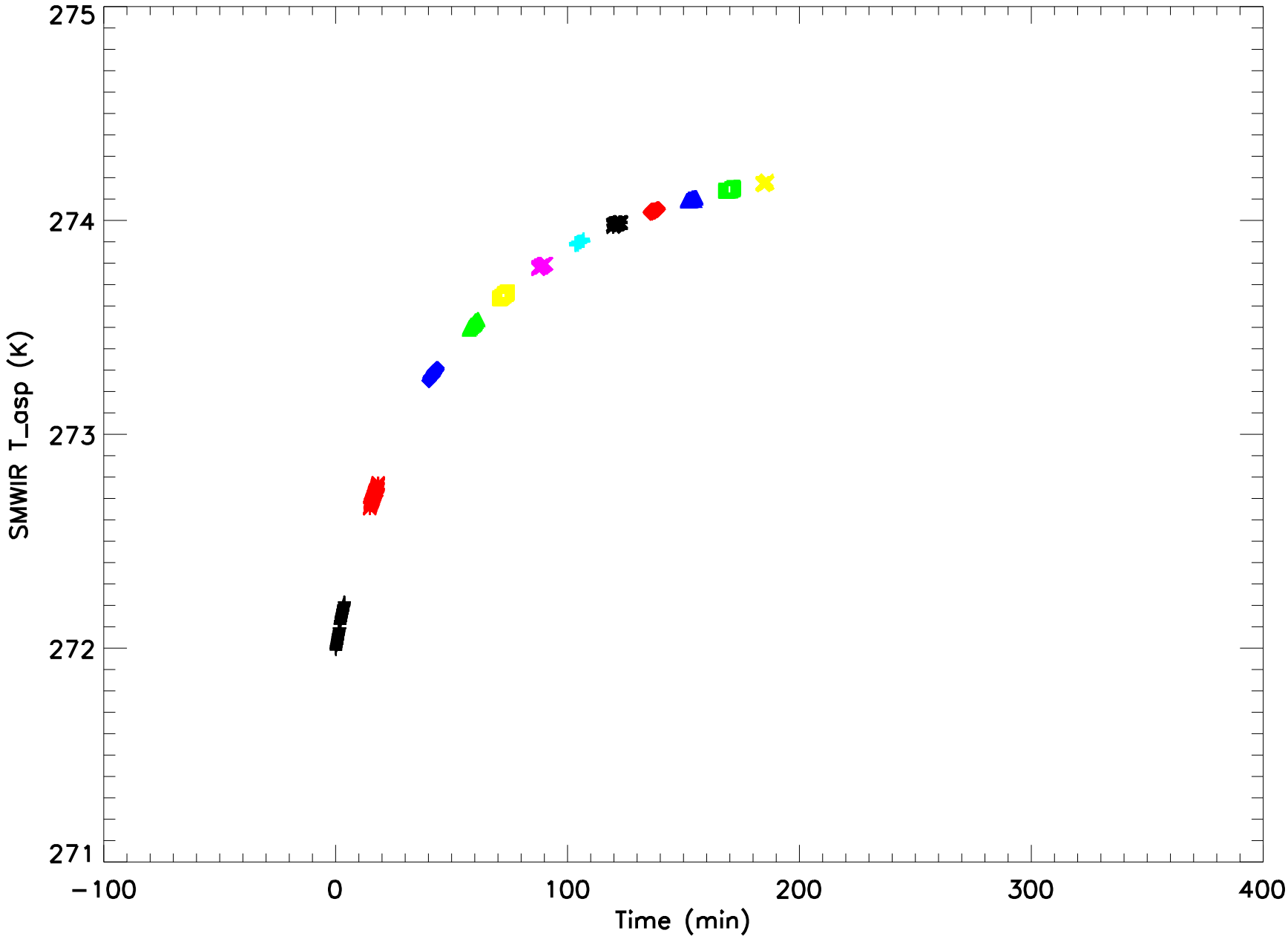
VisNIR T_asp vs Scan

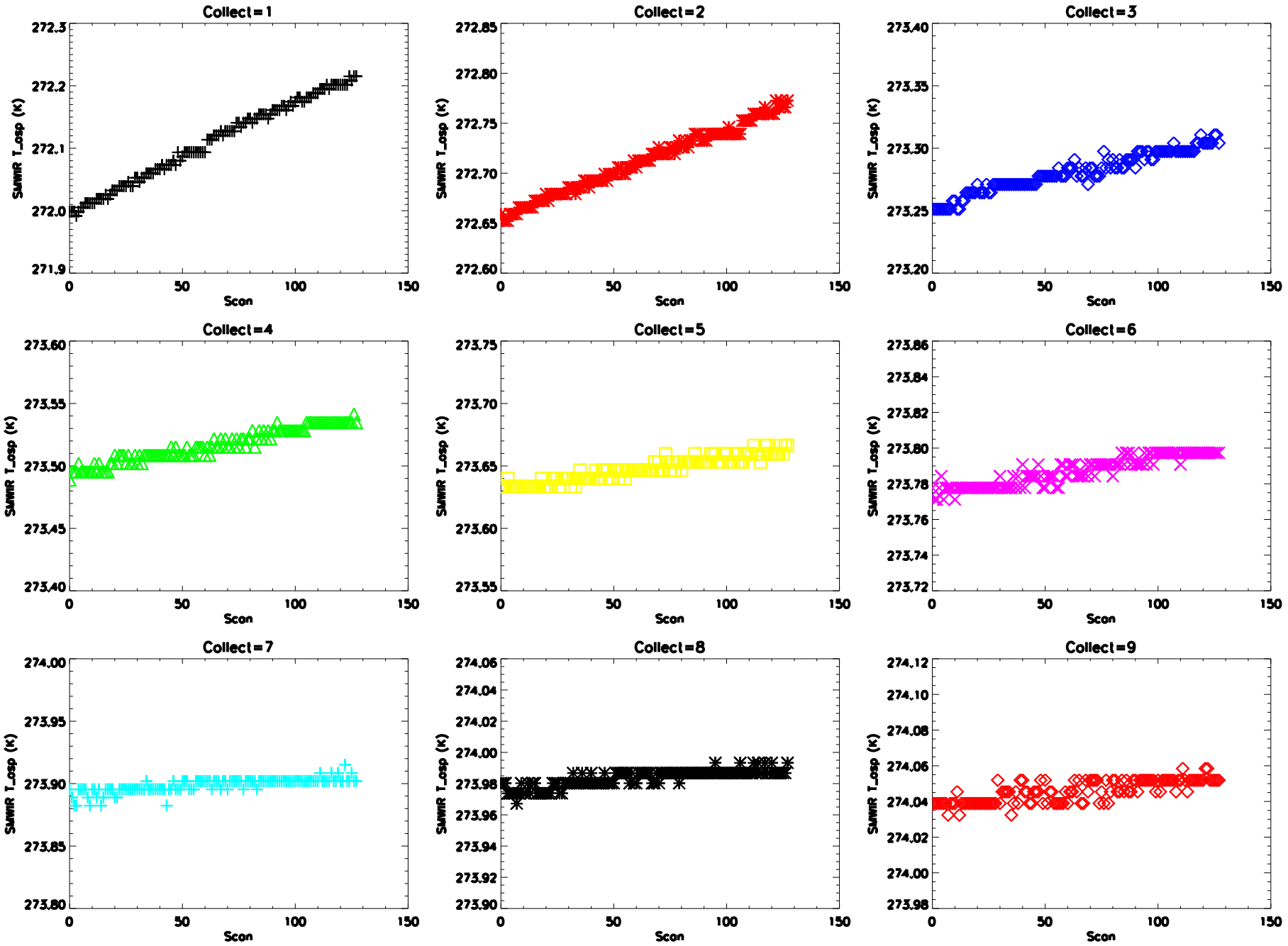




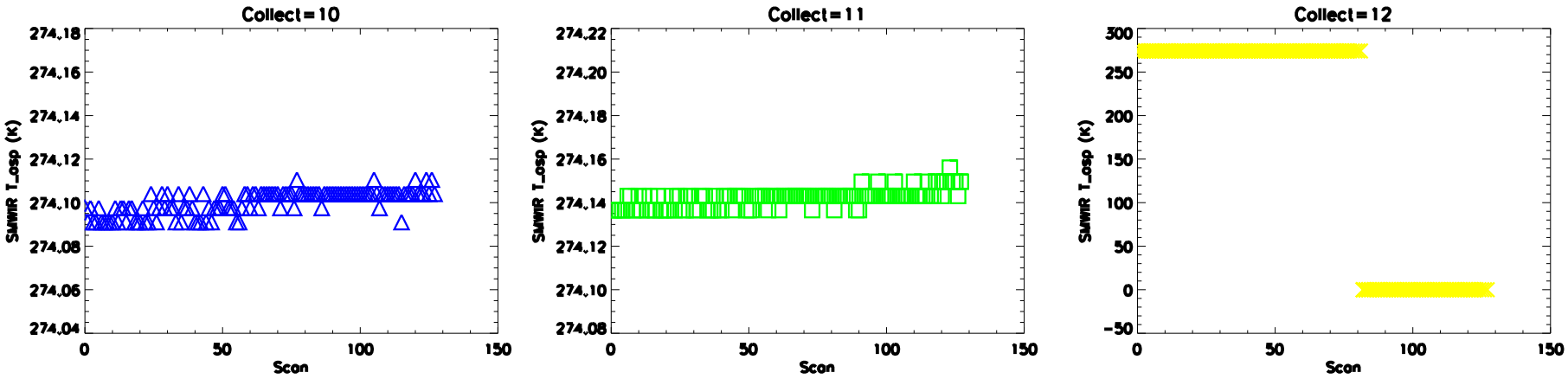


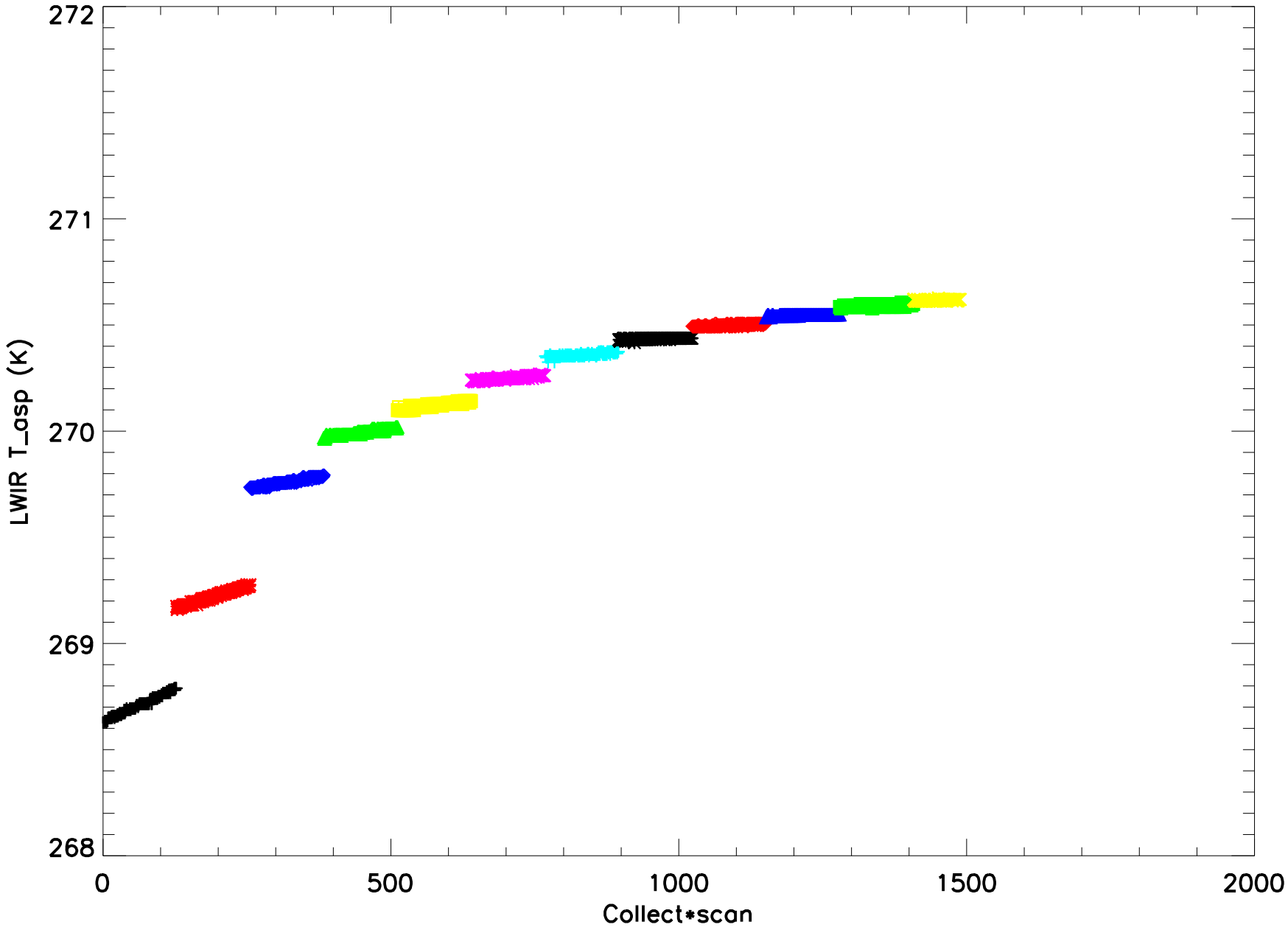

SMWIR T_asp vs Scan and Collect
275
274
273
272
271
SMWIR T_asp (K)
0
500
1000
1500
2000
Collect*scan

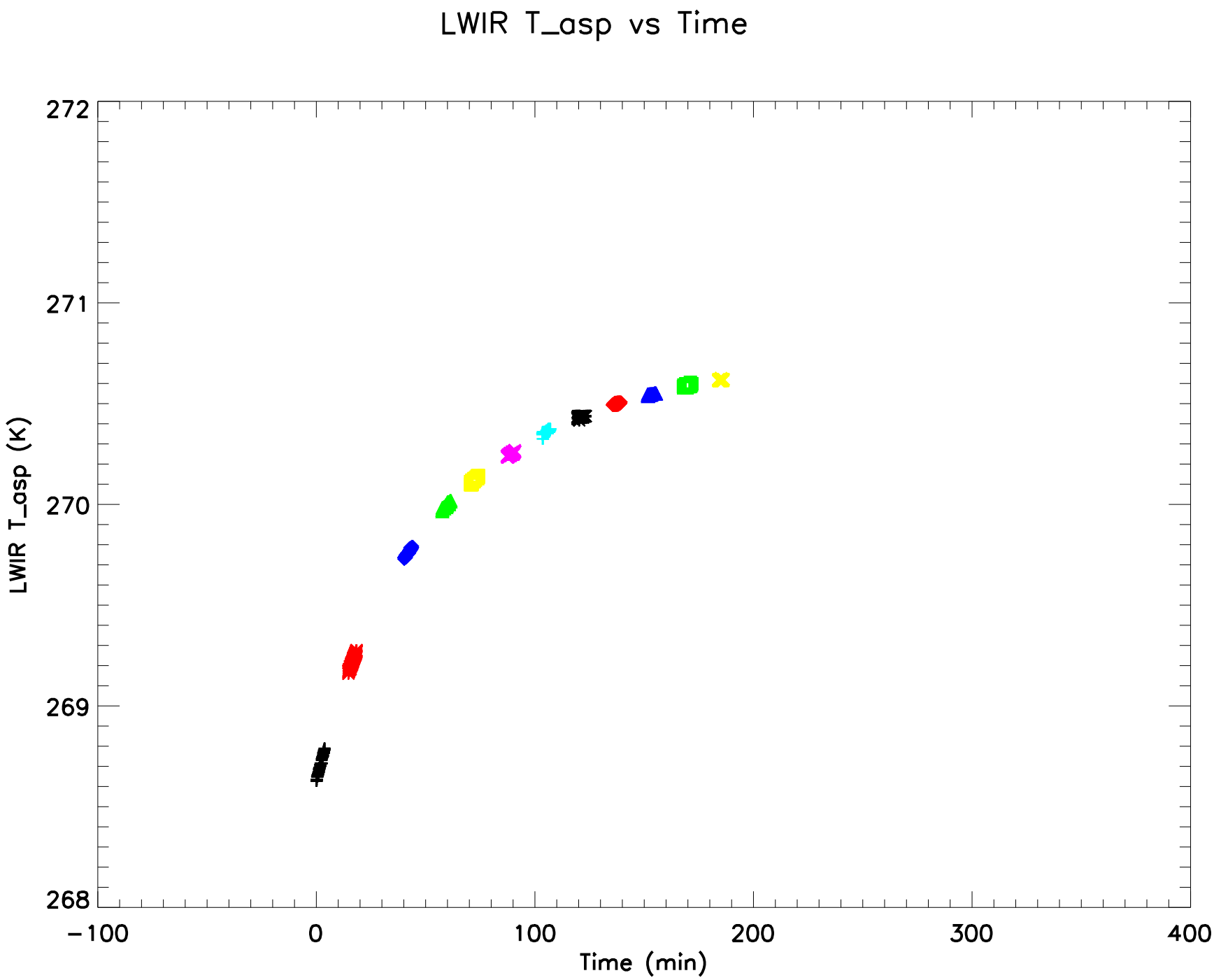

SMWIR T_asp vs Time
SMWIR T_asp (K)
275
274
273
272
271
−100
0
100
200
300
400
Time (min)

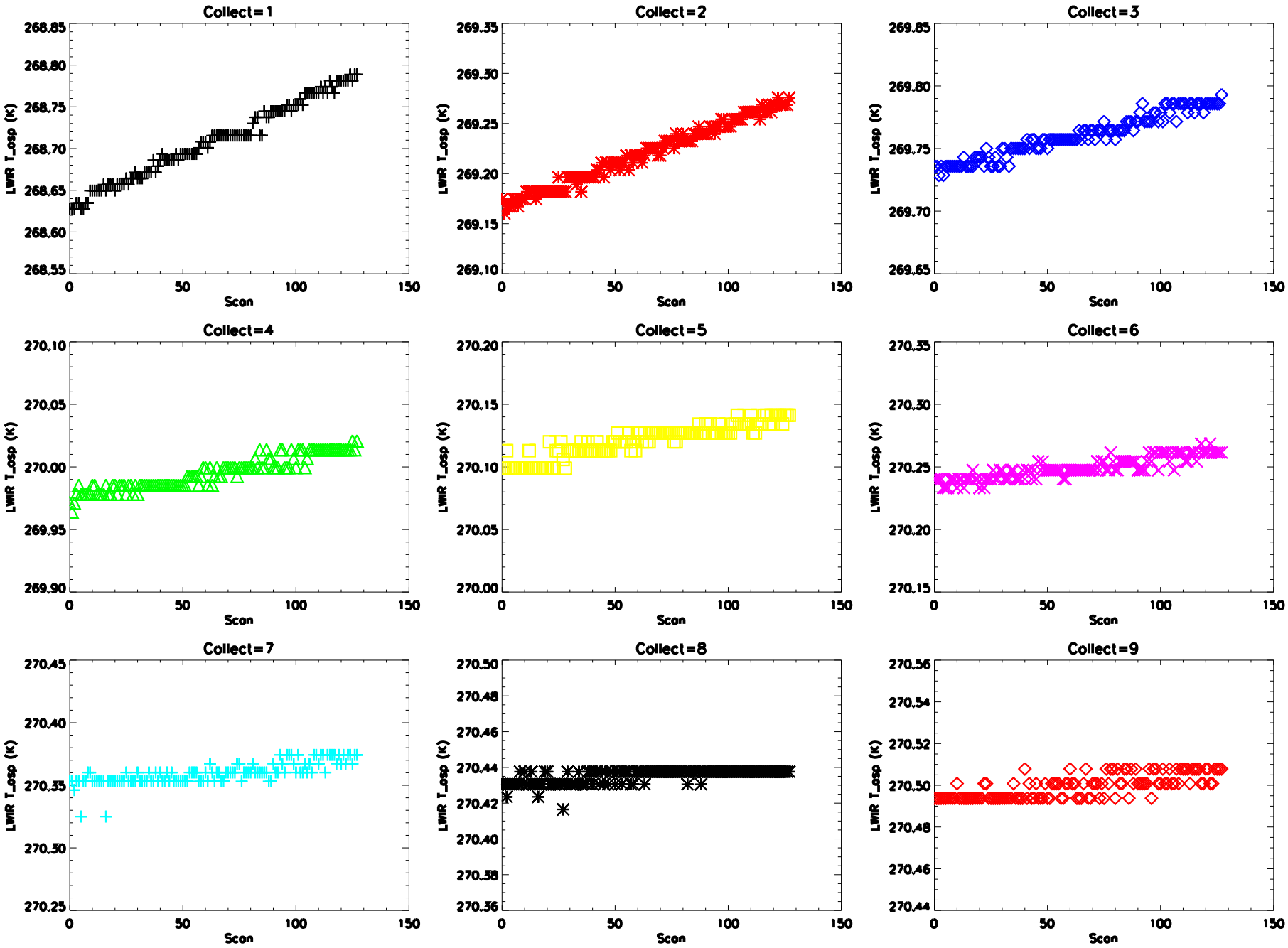

Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
SMWR T_osp (K)
Scan

SMWIR T_asp vs Scan

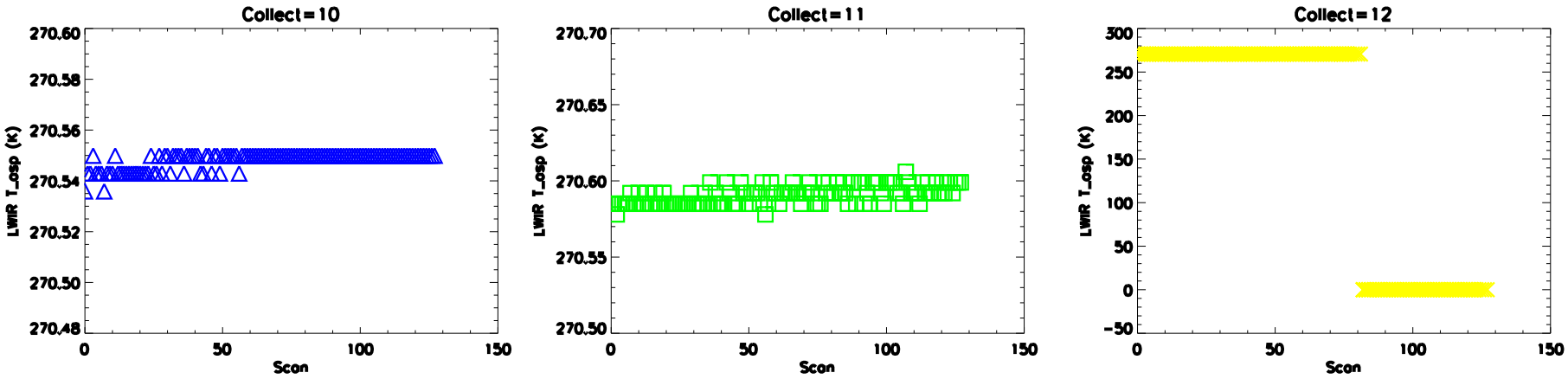


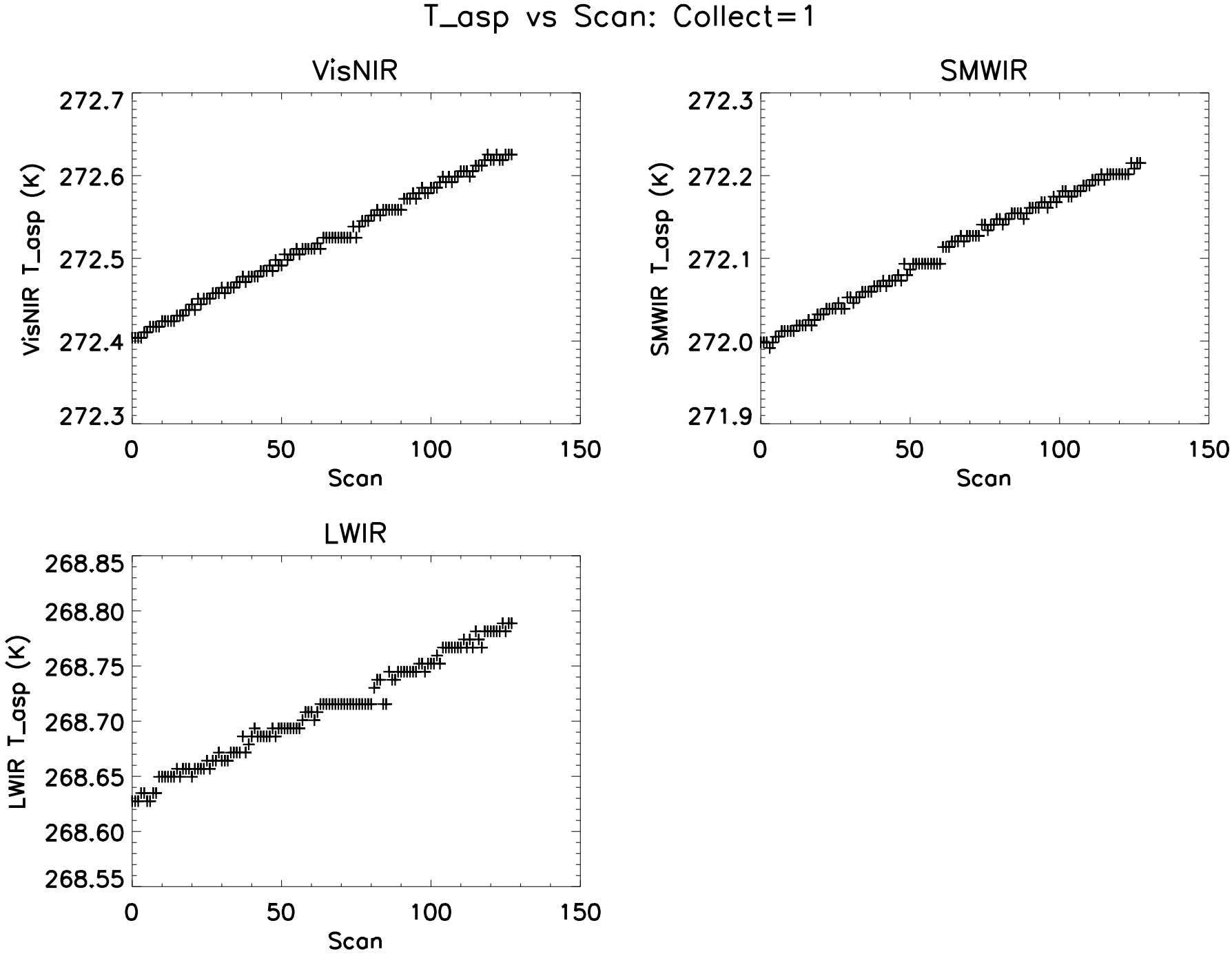

LWIR T_asp vs Scan and Collect
LWIR T_asp (K)
272
271
270
269
268
0
500
1000
1500
2000
Collect*scan

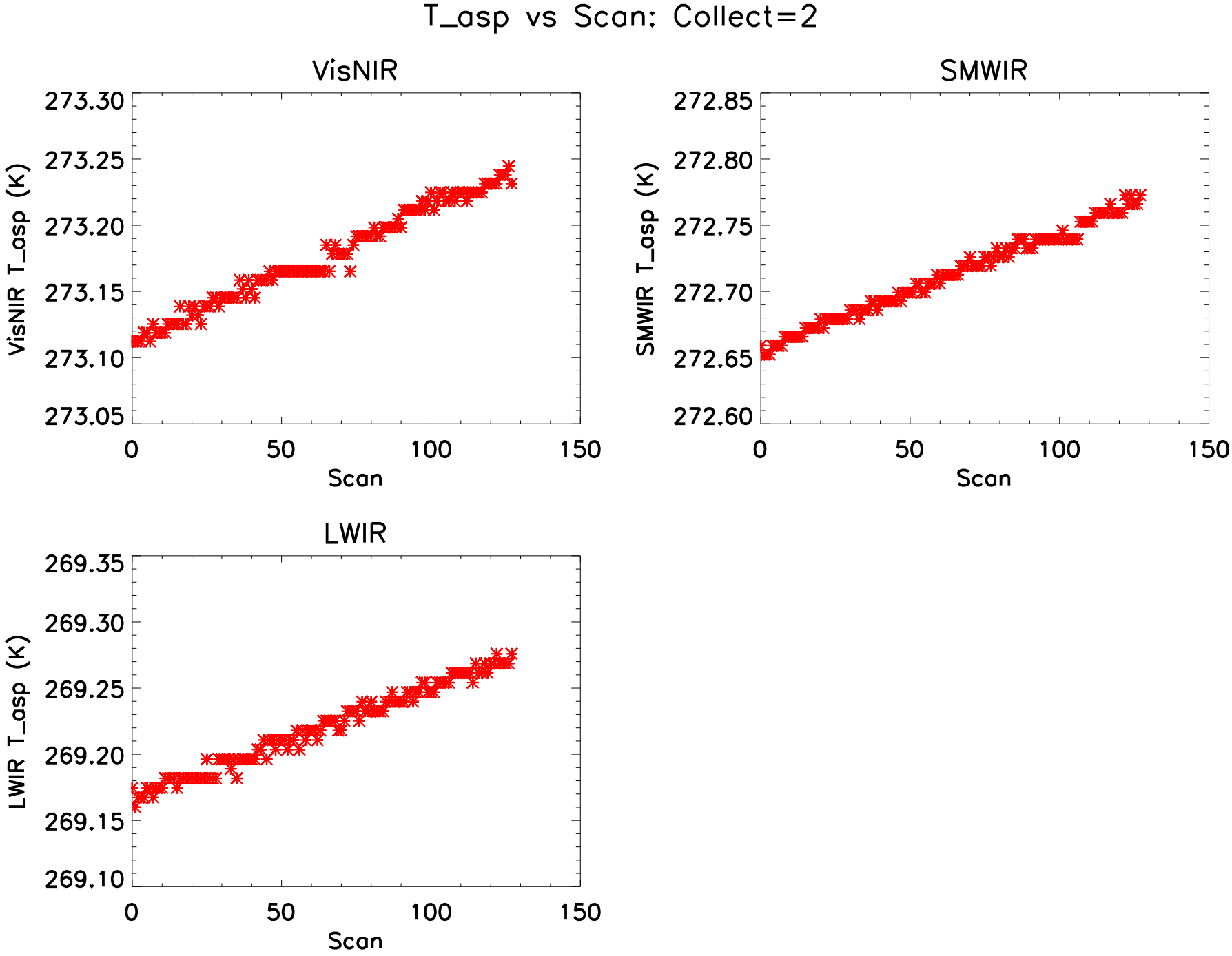

LWIR T_asp vs Time
LWIR T_asp (K)
272
271
270
269
268
−100
0
100
200
300
400
Time (min)

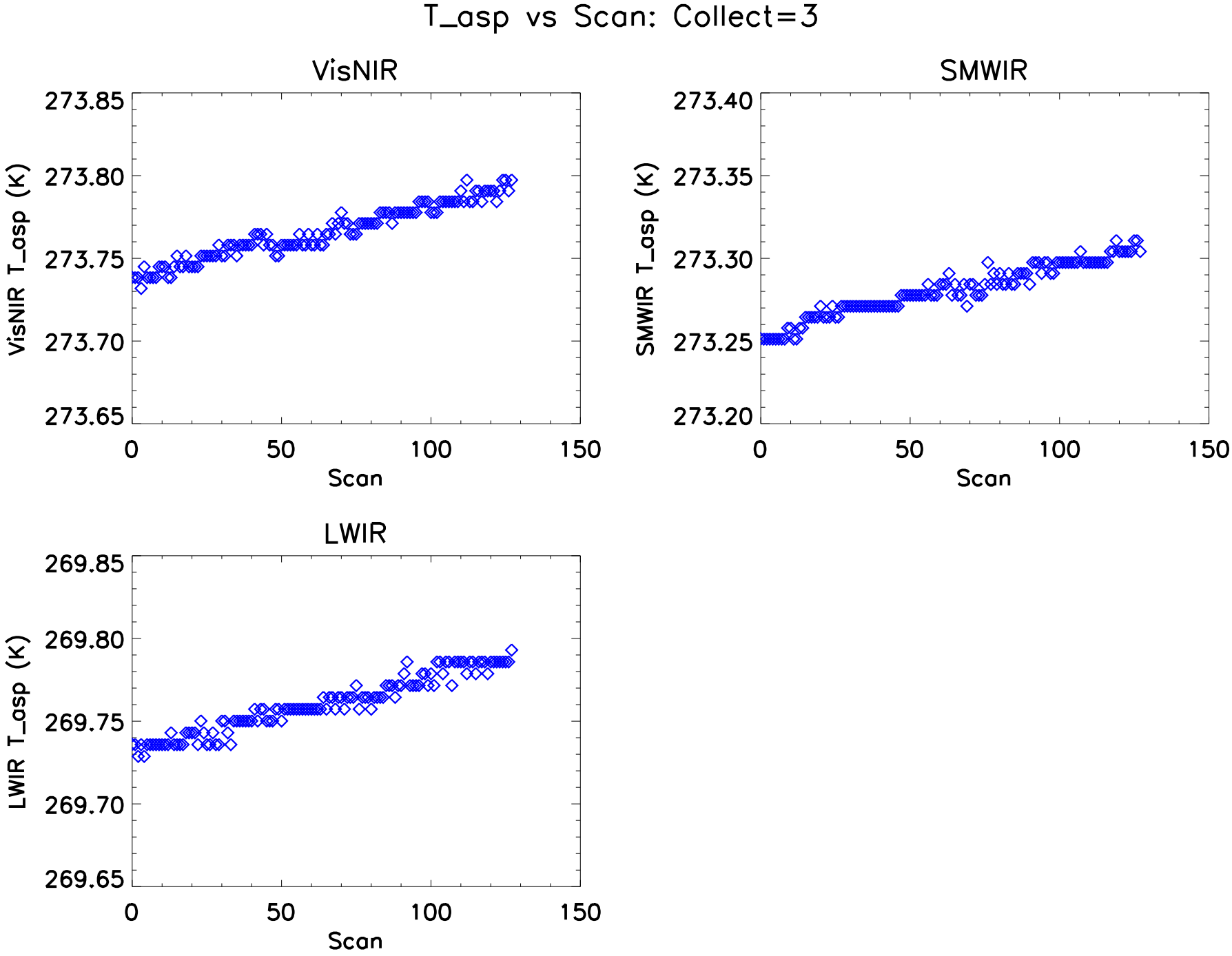

Collect=1
LWIR T_osp (K)
Scan
Collect=2
LWIR T_osp (K)
Scan
Collect=3
LWIR T_osp (K)
Scan
Collect=4
LWIR T_osp (K)
Scan
Collect=5
LWIR T_osp (K)
Scan
Collect=6
LWIR T_osp (K)
Scan
Collect=7
LWIR T_osp (K)
Scan
Collect=8
LWIR T_osp (K)
Scan
Collect=9
LWIR T_osp (K)
Scan

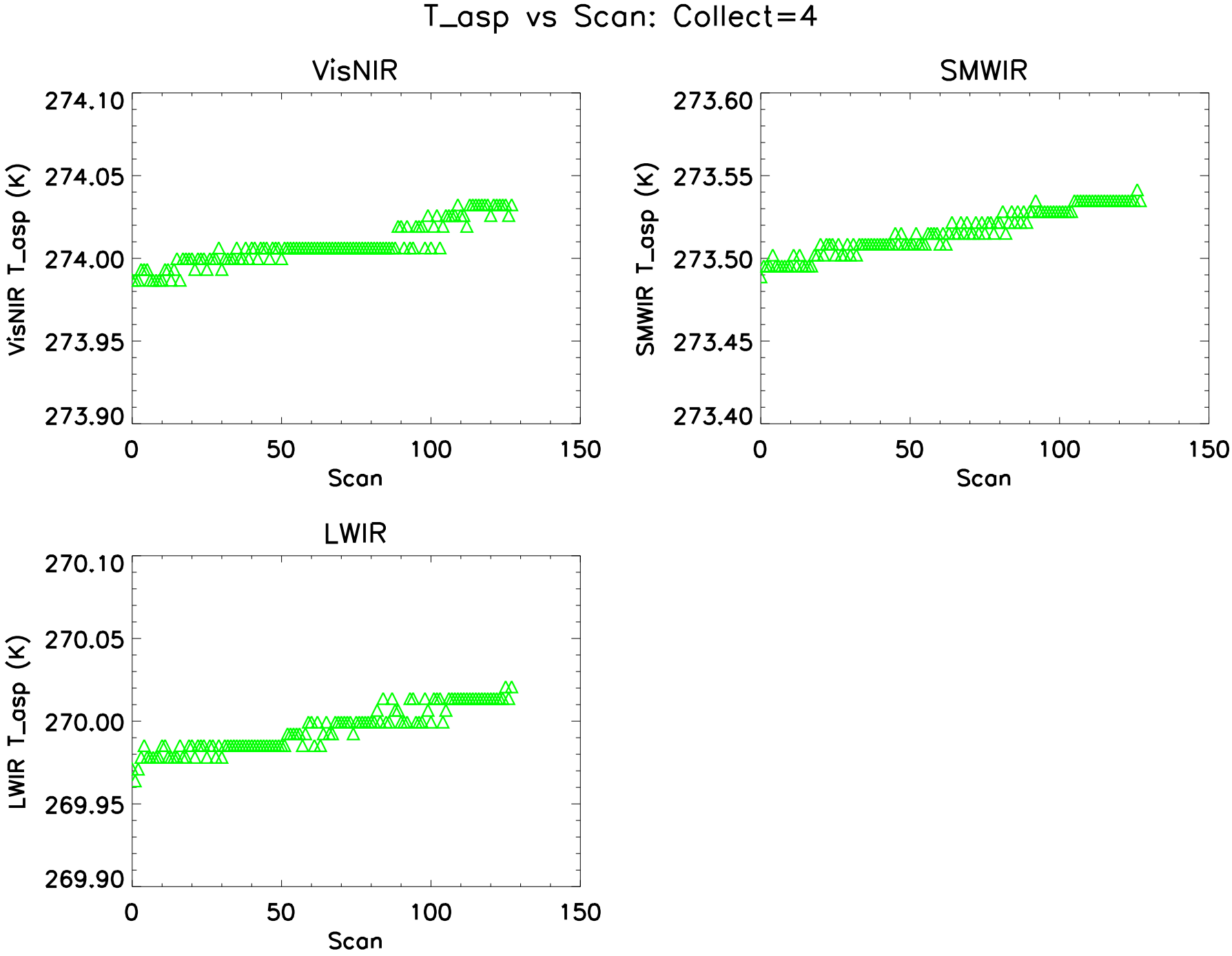
LWIR T_asp vs Scan

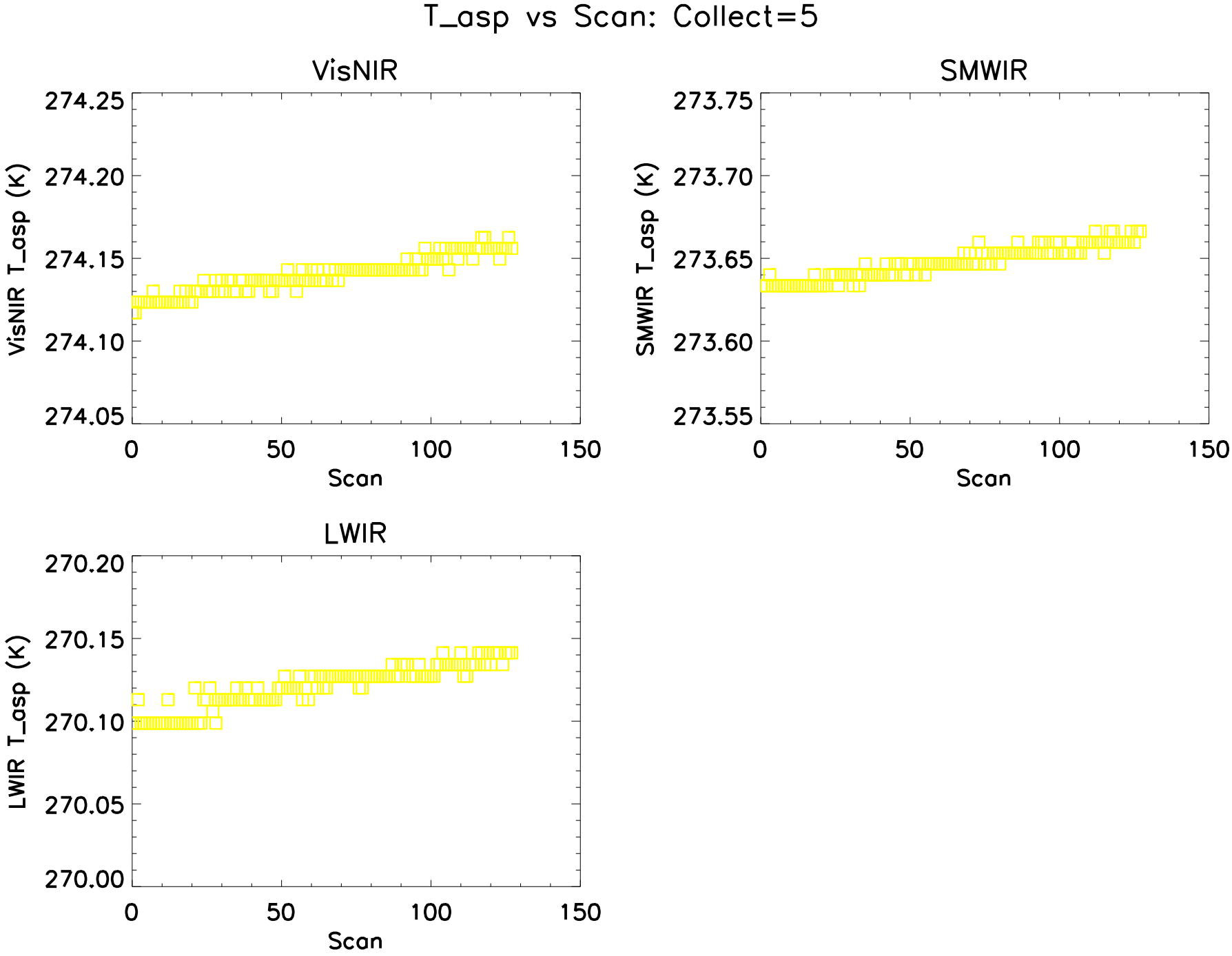


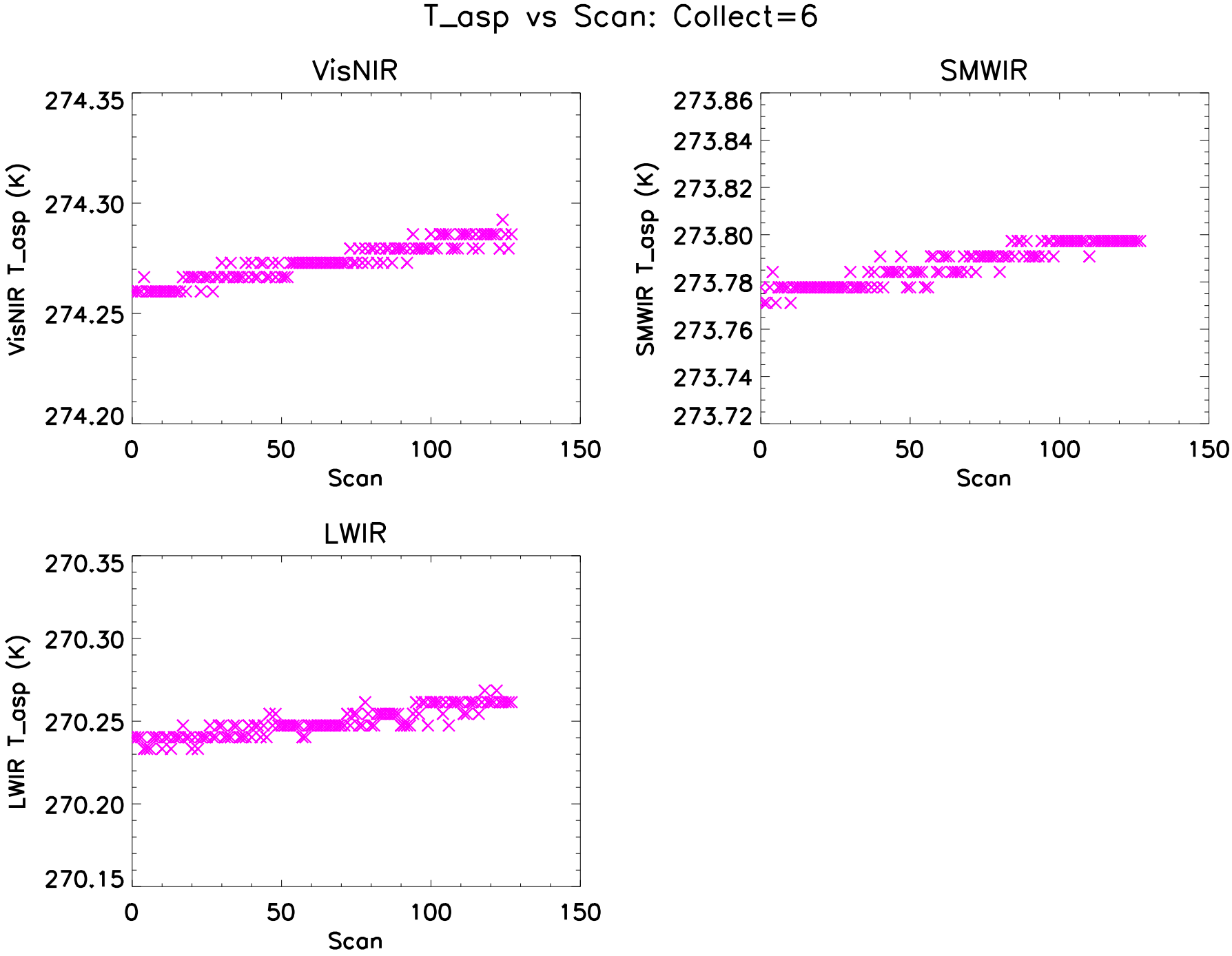

T_asp vs Scan: Collect=1
VisNIR
VisNIR T_asp (K)
272.7
272.6
272.5
272.4
272.3
0
50
100
150
Scan
SMWIR
SMWIR T_asp (K)
272.3
272.2
272.1
272.0
271.9
0
50
100
150
Scan
LWIR
LWIR T_asp (K)
268.85
268.80
268.75
268.70
268.65
268.60
268.55
0
50
100
150
Scan

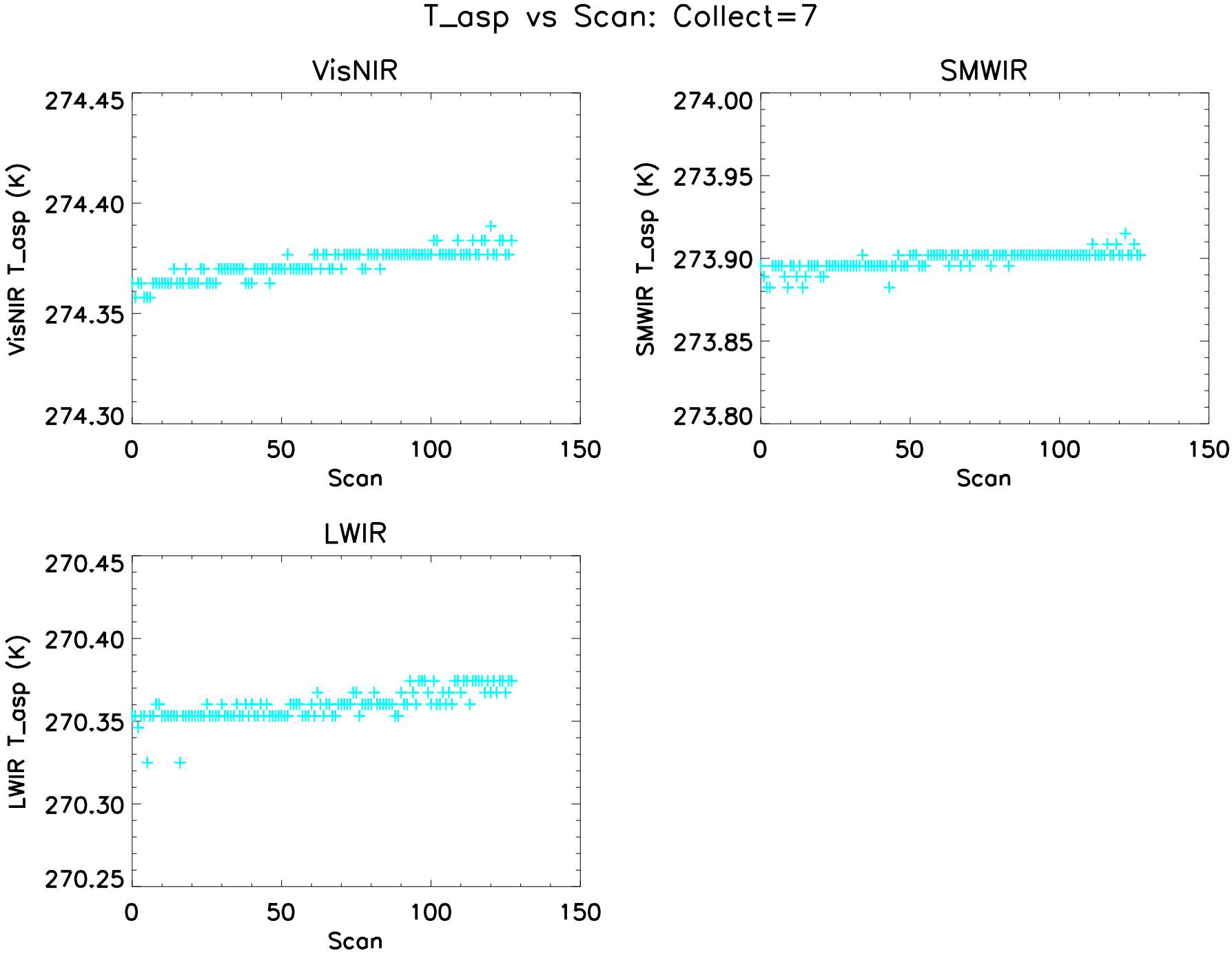

T_asp vs Scan: Collect=2
VisNIR
VisNIR T_asp (K)
273.30
273.25
273.20
273.15
273.10
273.05
0
50
100
150
Scan
SMWIR
SMWIR T_asp (K)
272.85
272.80
272.75
272.70
272.65
272.60
0
50
100
150
Scan
LWIR
LWIR T_asp (K)
269.35
269.30
269.25
269.20
269.15
269.10
0
50
100
150
Scan

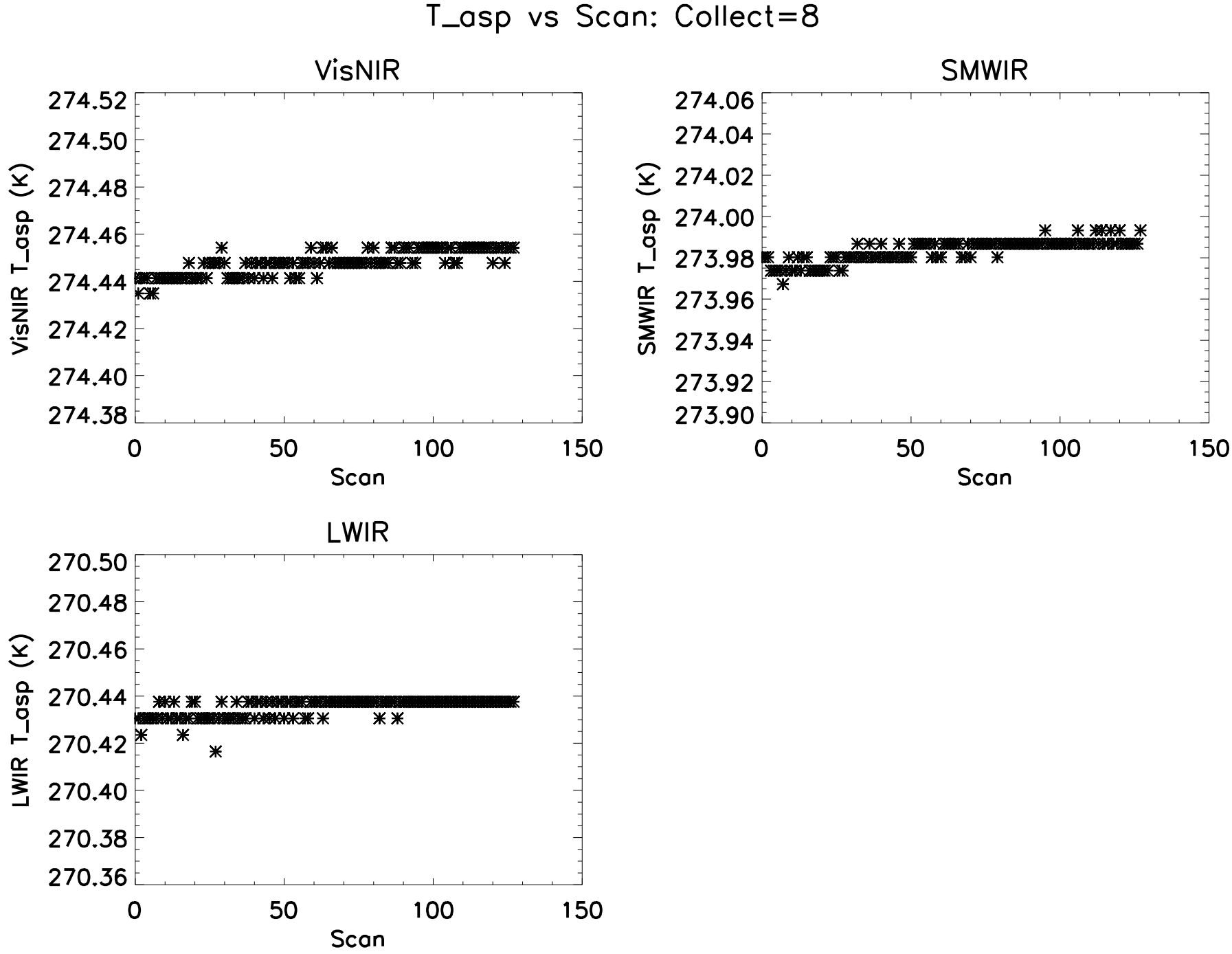

T_asp vs Scan: Collect=3
VisNIR
VisNIR T_asp (K)
273.85
273.80
273.75
273.70
273.65
0
50
100
150
Scan
SMWIR
SMWIR T_asp (K)
273.40
273.35
273.30
273.25
273.20
0
50
100
150
Scan
LWIR
LWIR T_asp (K)
269.85
269.80
269.75
269.70
269.65
0
50
100
150
Scan

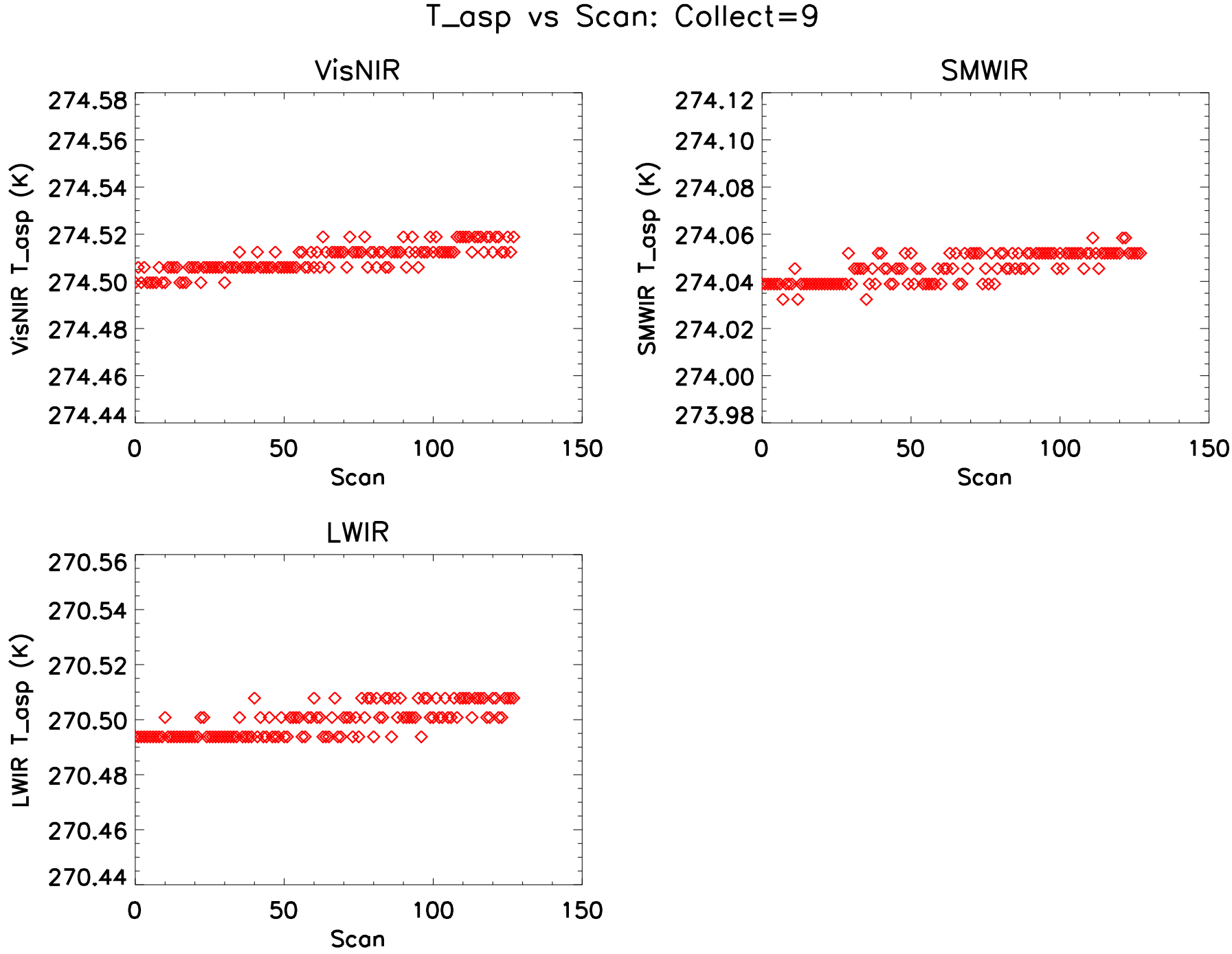

T_asp vs Scan: Collect=4
VisNIR
VisNIR T_asp (K)
274.10
274.05
274.00
273.95
273.90
0
50
100
150
Scan
SMWIR
SMWIR T_asp (K)
273.60
273.55
273.50
273.45
273.40
0
50
100
150
Scan
LWIR
LWIR T_asp (K)
270.10
270.05
270.00
269.95
269.90
0
50
100
150
Scan

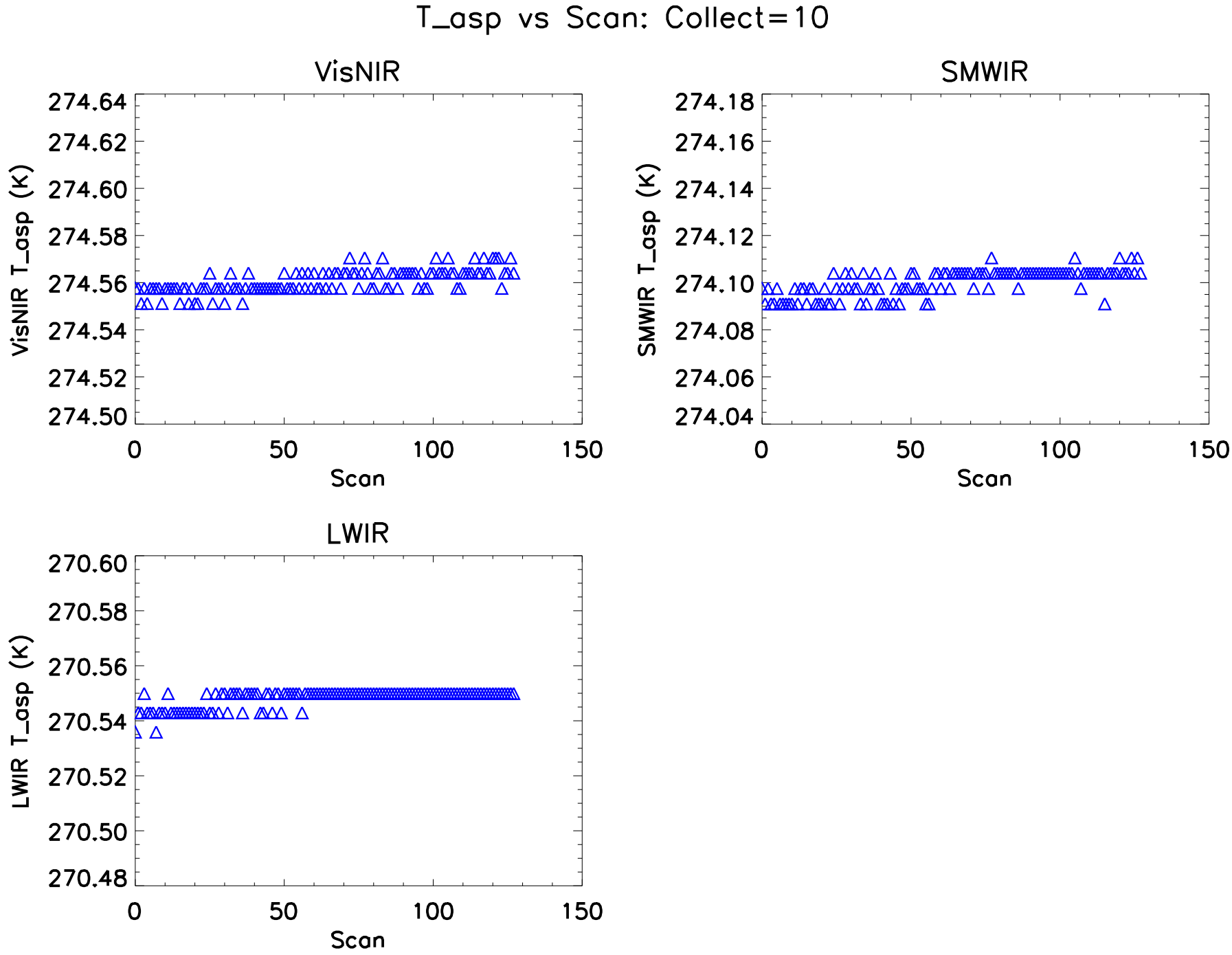

T_asp vs Scan: Collect=5
VisNIR
VisNIR T_asp (K)
274.25
274.20
274.15
274.10
274.05
0
50
100
150
Scan
SMWIR
SMWIR T_asp (K)
273.75
273.70
273.65
273.60
273.55
0
50
100
150
Scan
LWIR
LWIR T_asp (K)
270.20
270.15
270.10
270.05
270.00
0
50
100
150
Scan

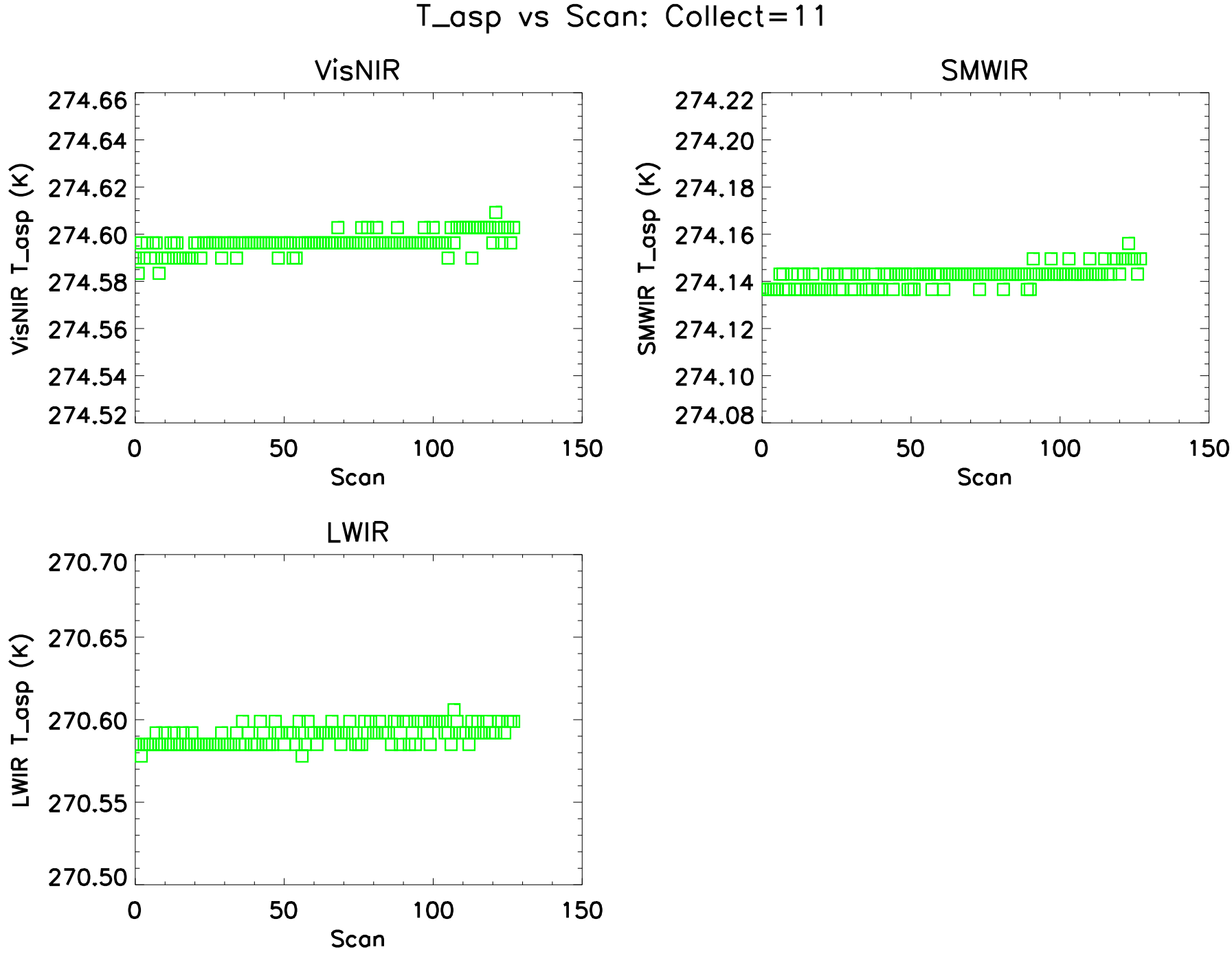

T_asp vs Scan: Collect=6
VisNIR
VisNIR T_asp (K)
274.35
274.30
274.25
274.20
0
50
100
150
Scan
SMWIR
SMWIR T_asp (K)
273.86
273.84
273.82
273.80
273.78
273.76
273.74
273.72
0
50
100
150
Scan
LWIR
LWIR T_asp (K)
270.35
270.30
270.25
270.20
270.15
0
50
100
150
Scan

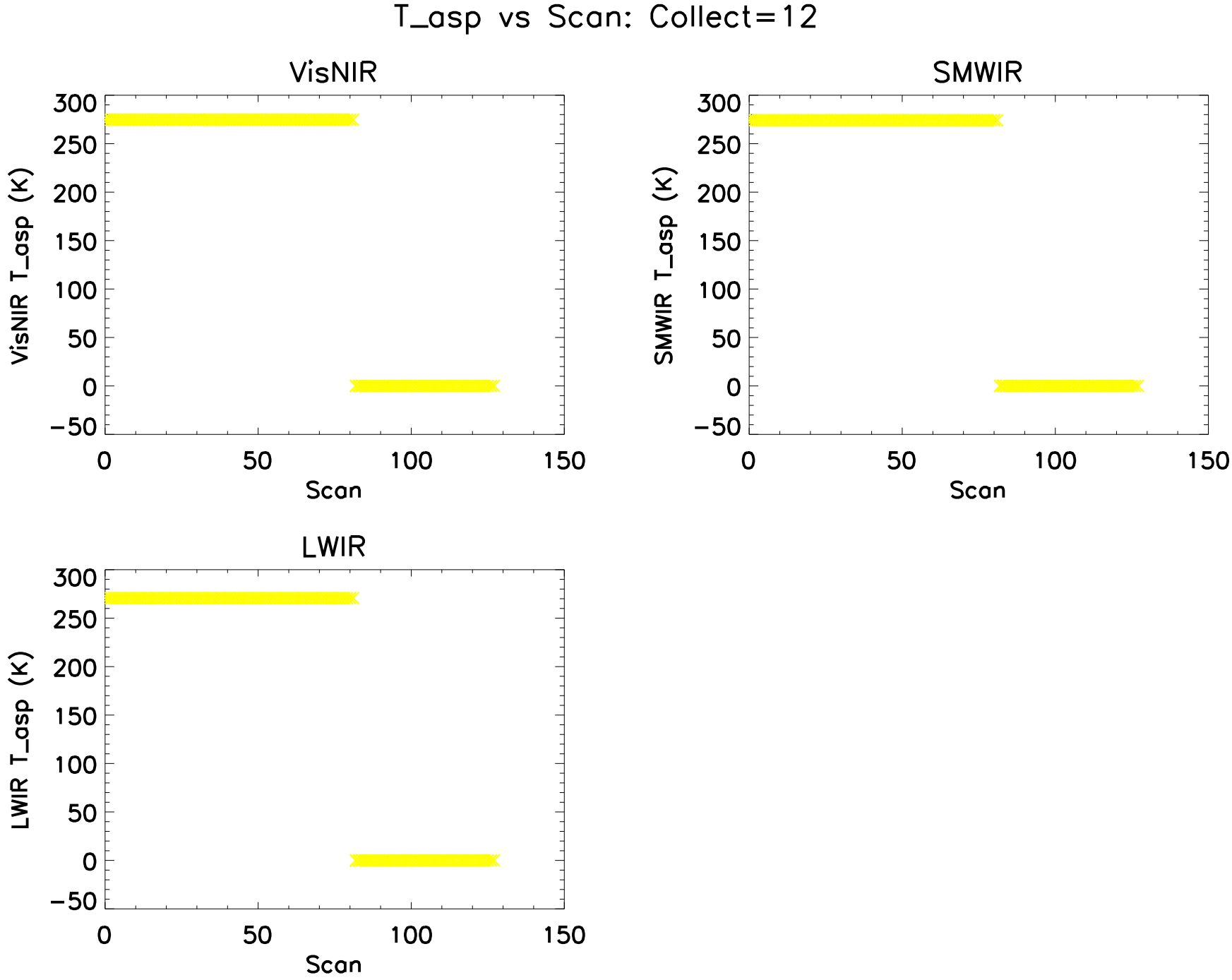

T_asp vs Scan: Collect=7
VisNIR
VisNIR T_asp (K)
274.45
274.40
274.35
274.30
0
50
100
150
Scan
SMWIR
SMWIR T_asp (K)
274.00
273.95
273.90
273.85
273.80
0
50
100
150
Scan
LWIR
LWIR T_asp (K)
270.45
270.40
270.35
270.30
270.25
0
50
100
150
Scan

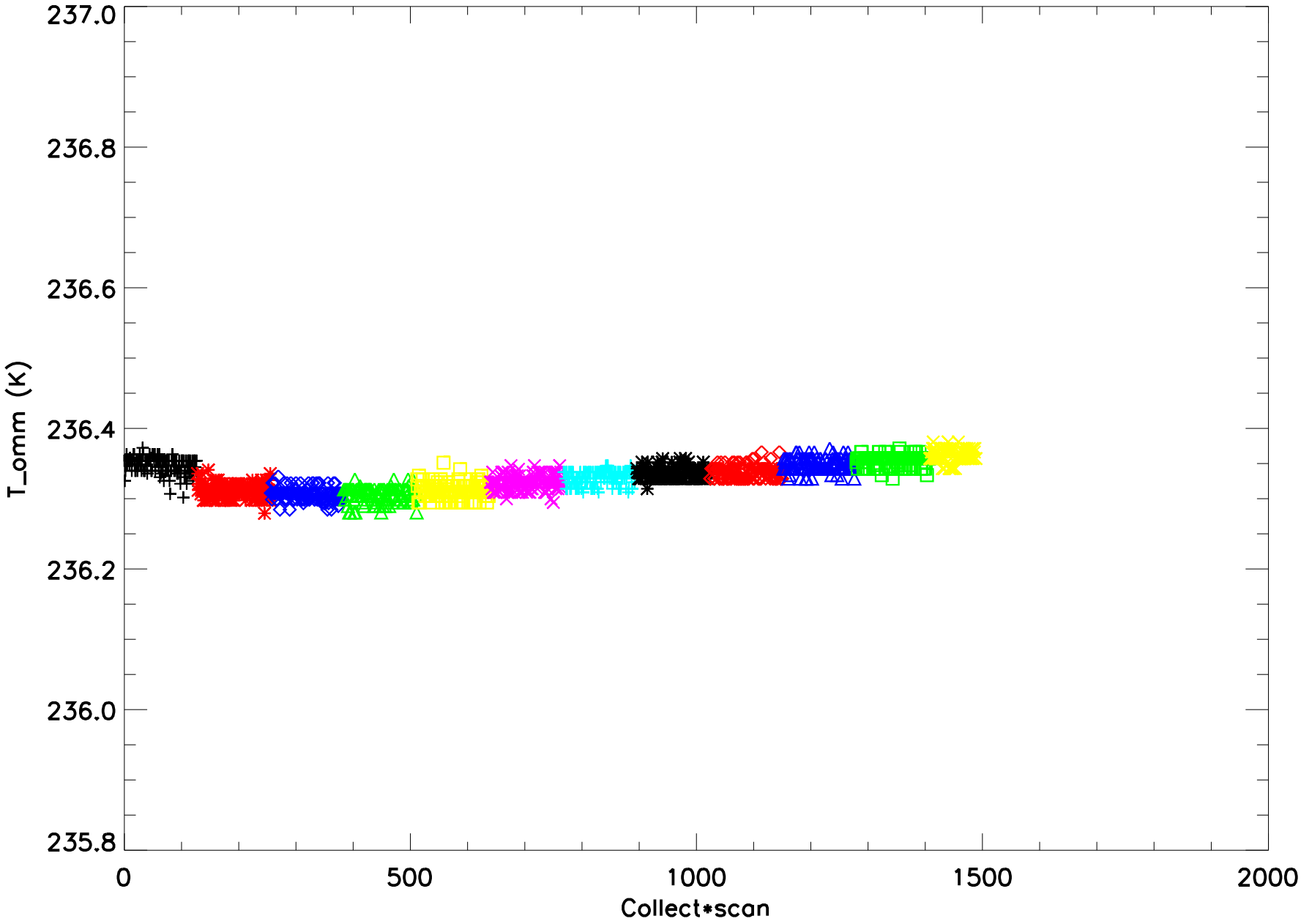

T_asp vs Scan: Collect=8
VisNIR
VisNIR T_asp (K)
274.52
274.50
274.48
274.46
274.44
274.42
274.40
274.38
0
50
100
150
Scan
SMWIR
SMWIR T_asp (K)
274.06
274.04
274.02
274.00
273.98
273.96
273.94
273.92
273.90
0
50
100
150
Scan
LWIR
LWIR T_asp (K)
270.50
270.48
270.46
270.44
270.42
270.40
270.38
270.36
0
50
100
150
Scan

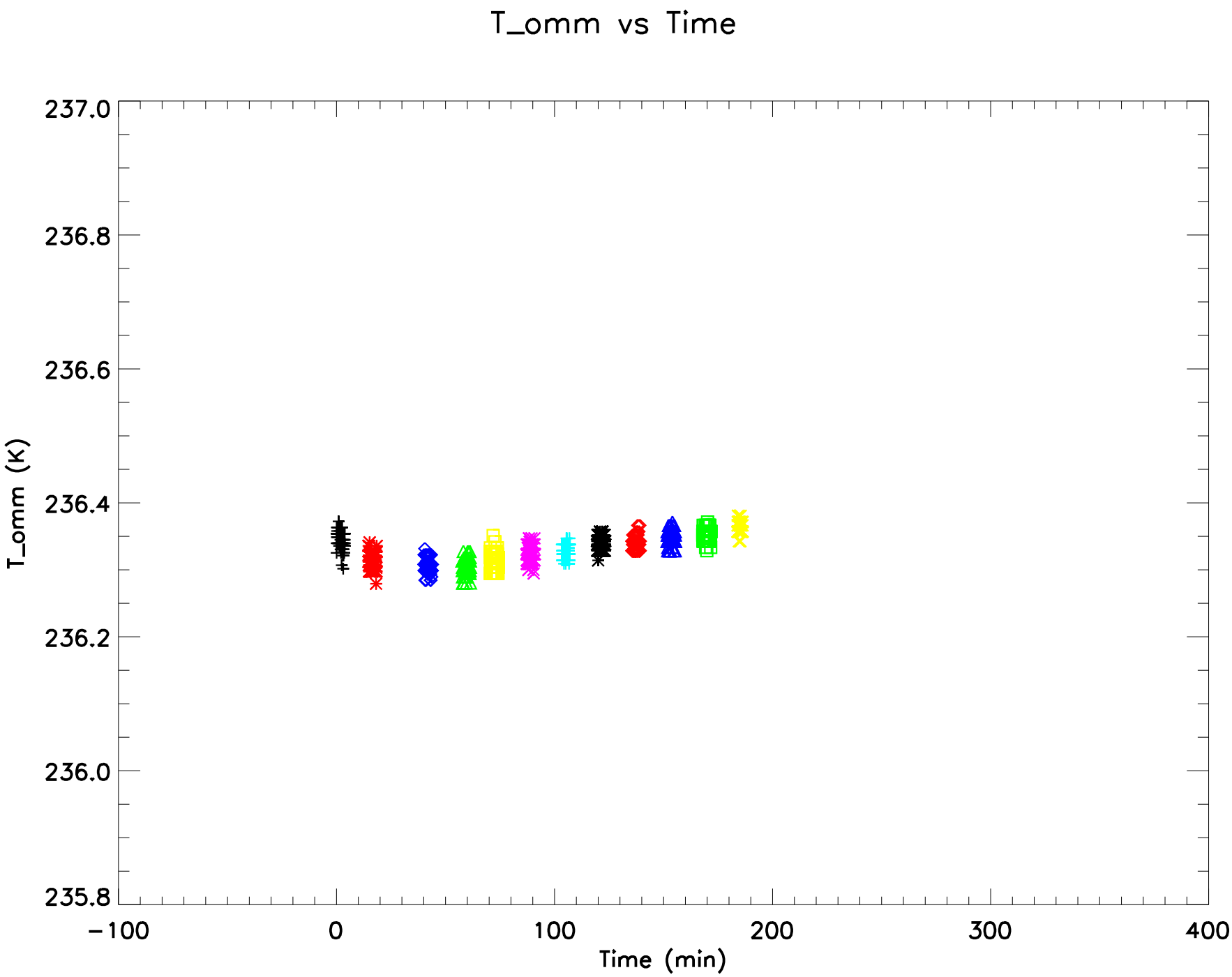

T_asp vs Scan: Collect=9
VisNIR
VisNIR T_asp (K)
274.58
274.56
274.54
274.52
274.50
274.48
274.46
274.44
0
50
100
150
Scan
SMWIR
SMWIR T_asp (K)
274.12
274.10
274.08
274.06
274.04
274.02
274.00
273.98
0
50
100
150
Scan
LWIR
LWIR T_asp (K)
270.56
270.54
270.52
270.50
270.48
270.46
270.44
0
50
100
150
Scan


T_asp vs Scan: Collect=10
VisNIR
VisNIR T_asp (K)
274.64
274.62
274.60
274.58
274.56
274.54
274.52
274.50
0
50
100
150
Scan
SMWIR
SMWIR T_asp (K)
274.18
274.16
274.14
274.12
274.10
274.08
274.06
274.04
0
50
100
150
Scan
LWIR
LWIR T_asp (K)
270.60
270.58
270.56
270.54
270.52
270.50
270.48
0
50
100
150
Scan

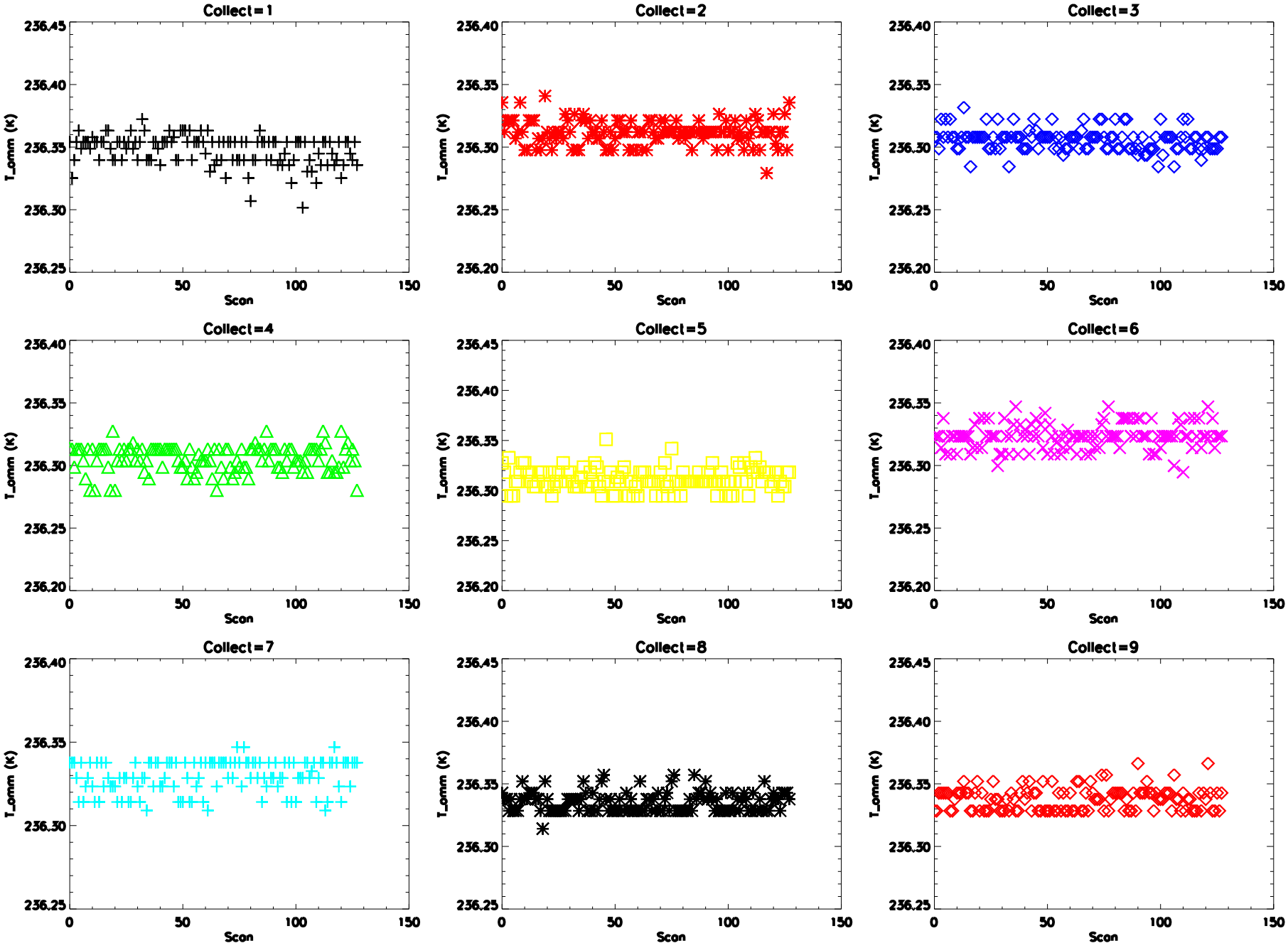

T_asp vs Scan: Collect=11
VisNIR
VisNIR T_asp (K)
274.66
274.64
274.62
274.60
274.58
274.56
274.54
274.52
0
50
100
150
Scan
SMWIR
SMWIR T_asp (K)
274.22
274.20
274.18
274.16
274.14
274.12
274.10
274.08
0
50
100
150
Scan
LWIR
LWIR T_asp (K)
270.70
270.65
270.60
270.55
270.50
0
50
100
150
Scan


T_asp vs Scan: Collect=12
VisNIR
VisNIR T_asp (K)
300
250
200
150
100
50
0
−50
0
50
100
150
Scan
SMWIR
SMWIR T_asp (K)
300
250
200
150
100
50
0
−50
0
50
100
150
Scan
LWIR
LWIR T_asp (K)
300
250
200
150
100
50
0
−50
0
50
100
150
Scan

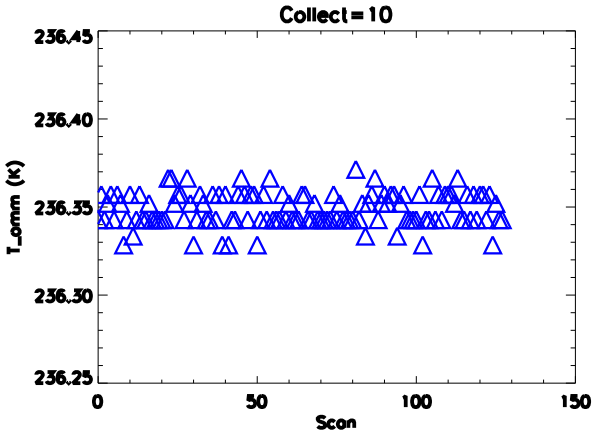

T_omm vs Scan and Collect
237.0
236.8
236.6
236.4
236.2
236.0
235.8
T_omm (K)
0
500
1000
1500
2000
Collect*scan

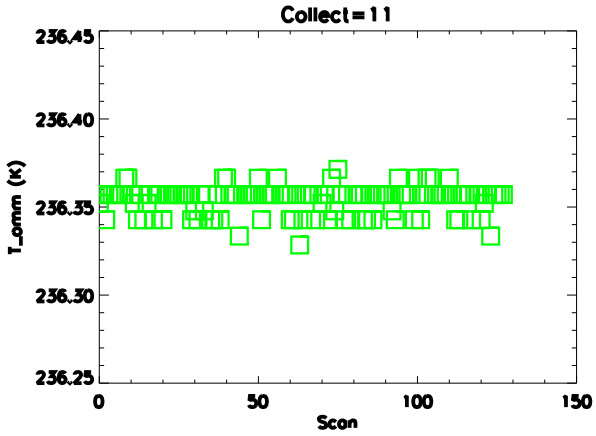

T_omm vs Time
237.0
236.8
236.6
236.4
236.2
236.0
235.8
T_omm (K)
−100
0
100
200
300
400
Time (min)

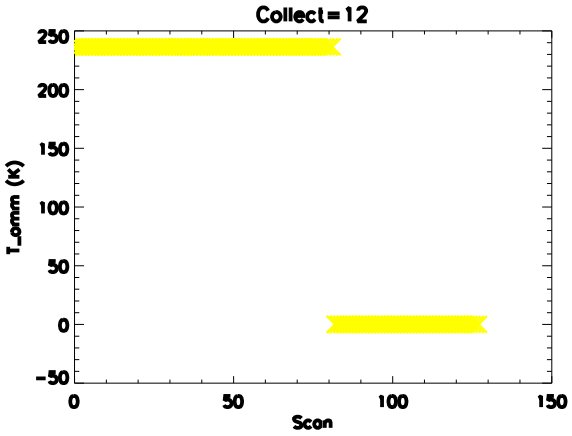
T_omm vs Scan


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

T_omm vs Scan


Collect = 10
T_omm (K)
236.45
236.40
236.35
236.30
236.25
0
50
100
150
Scan


Collect = 11
T_omm (K)
236.45
236.40
236.35
236.30
236.25
0
50
100
150
Scan


Collect = 12
T_omm (K)
250
200
150
100
50
0
-50
0
50
100
150
Scan