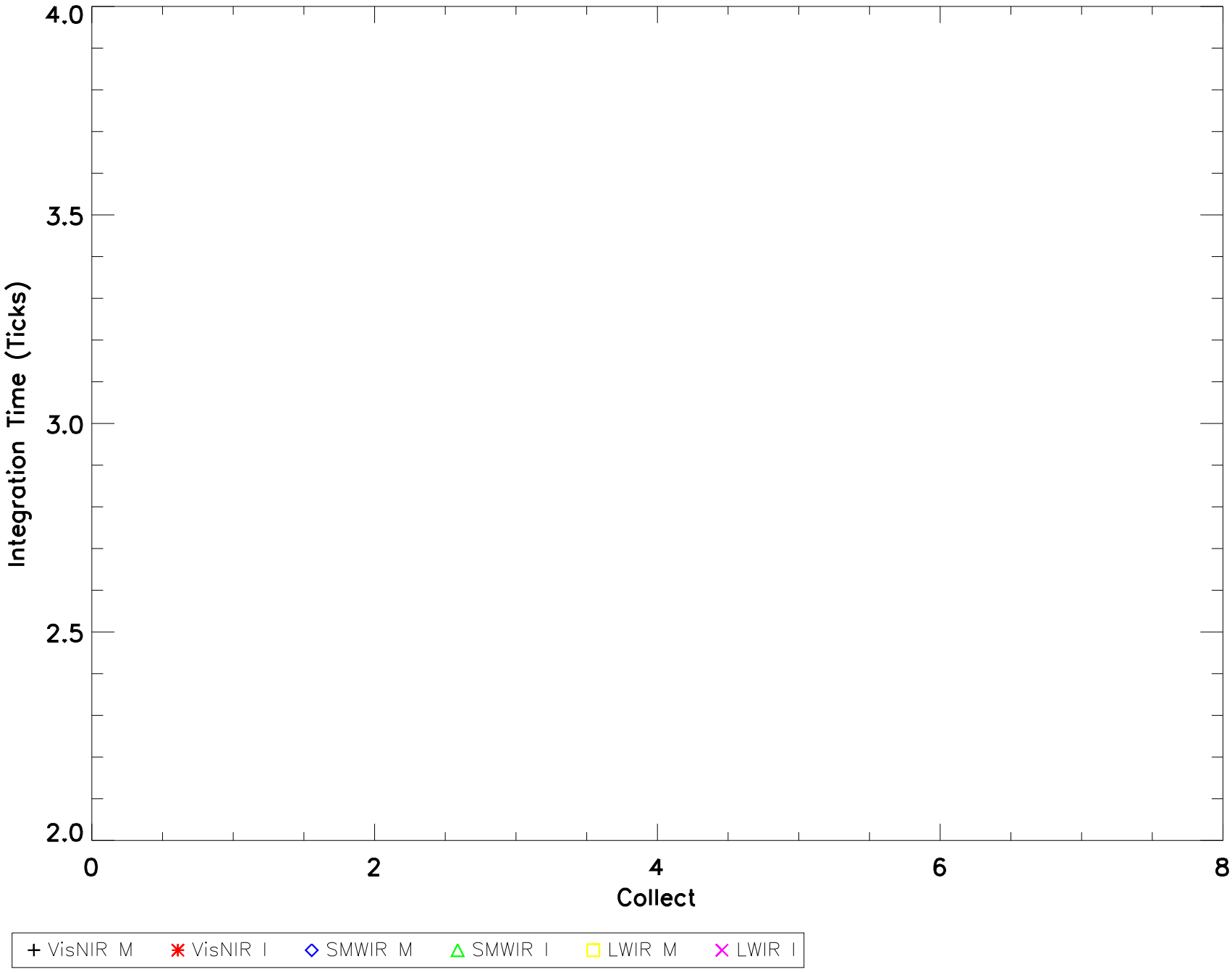
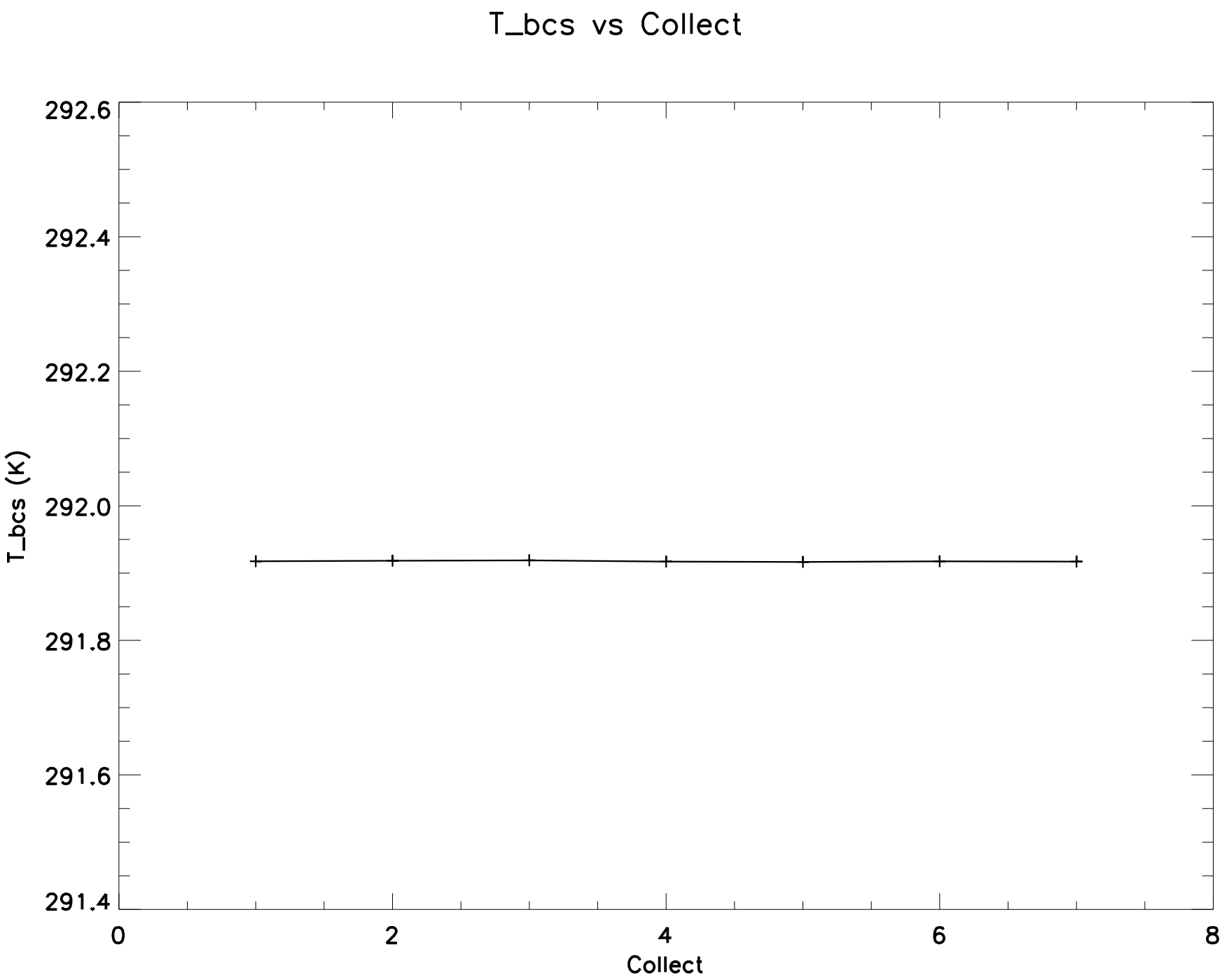
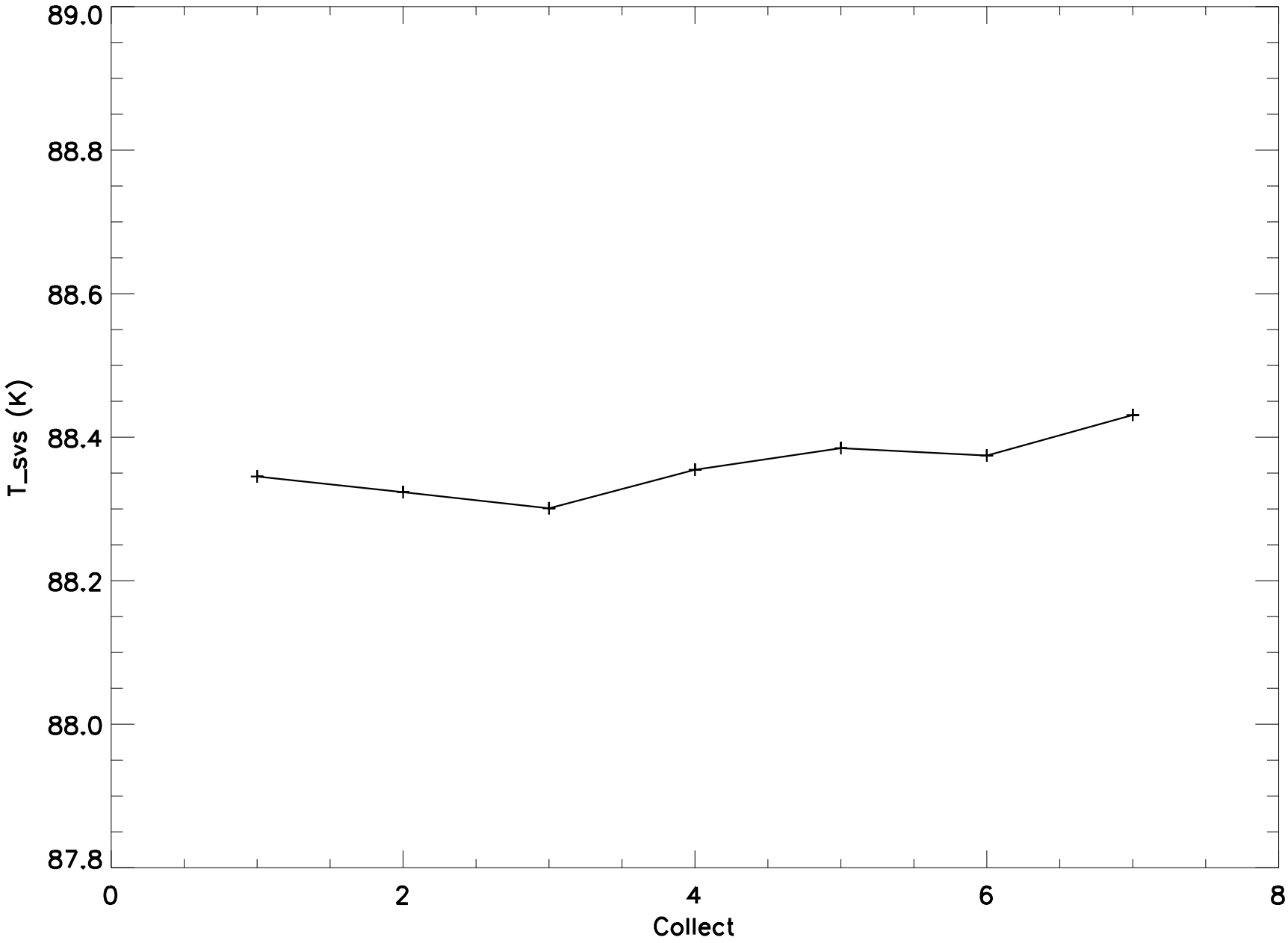
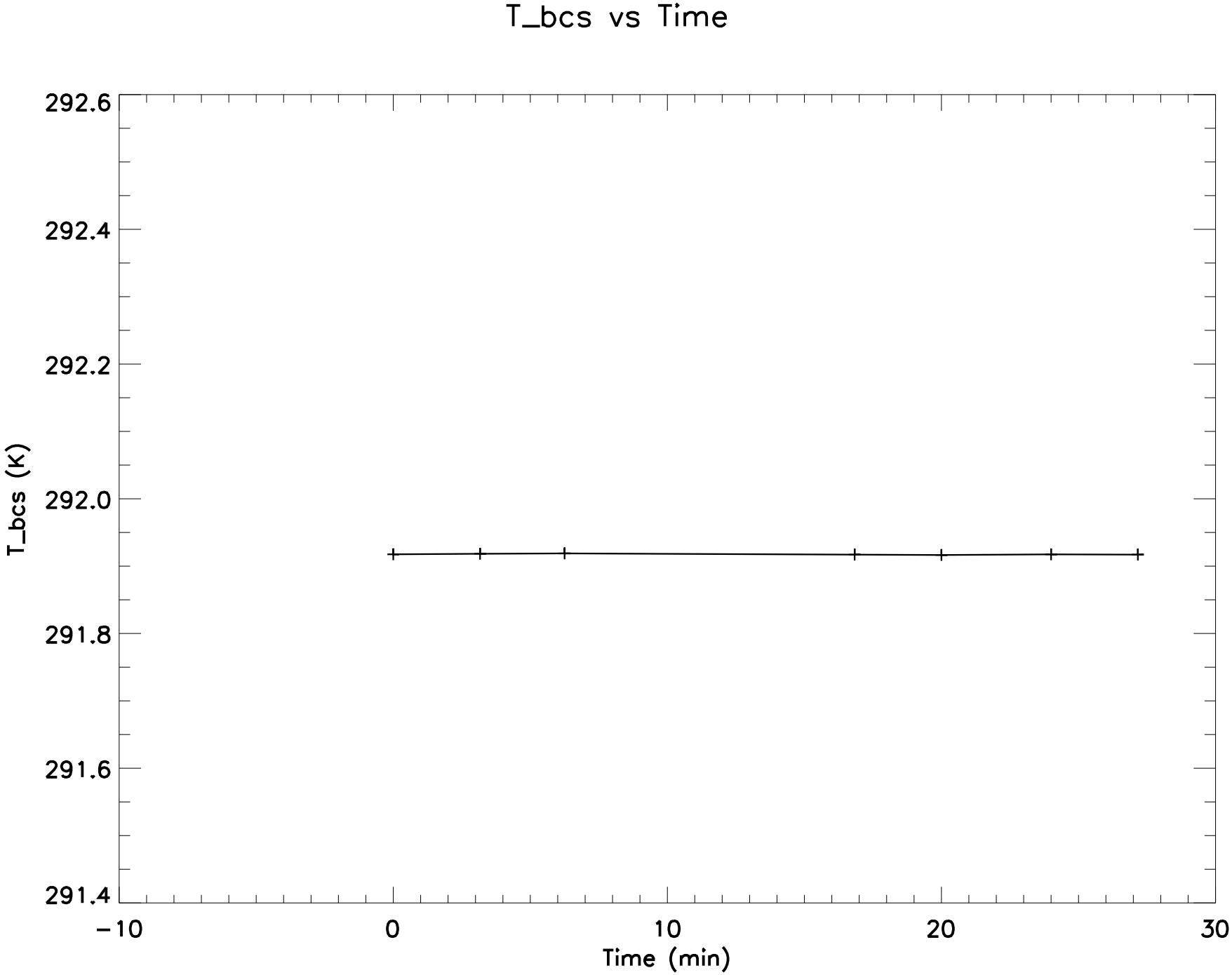
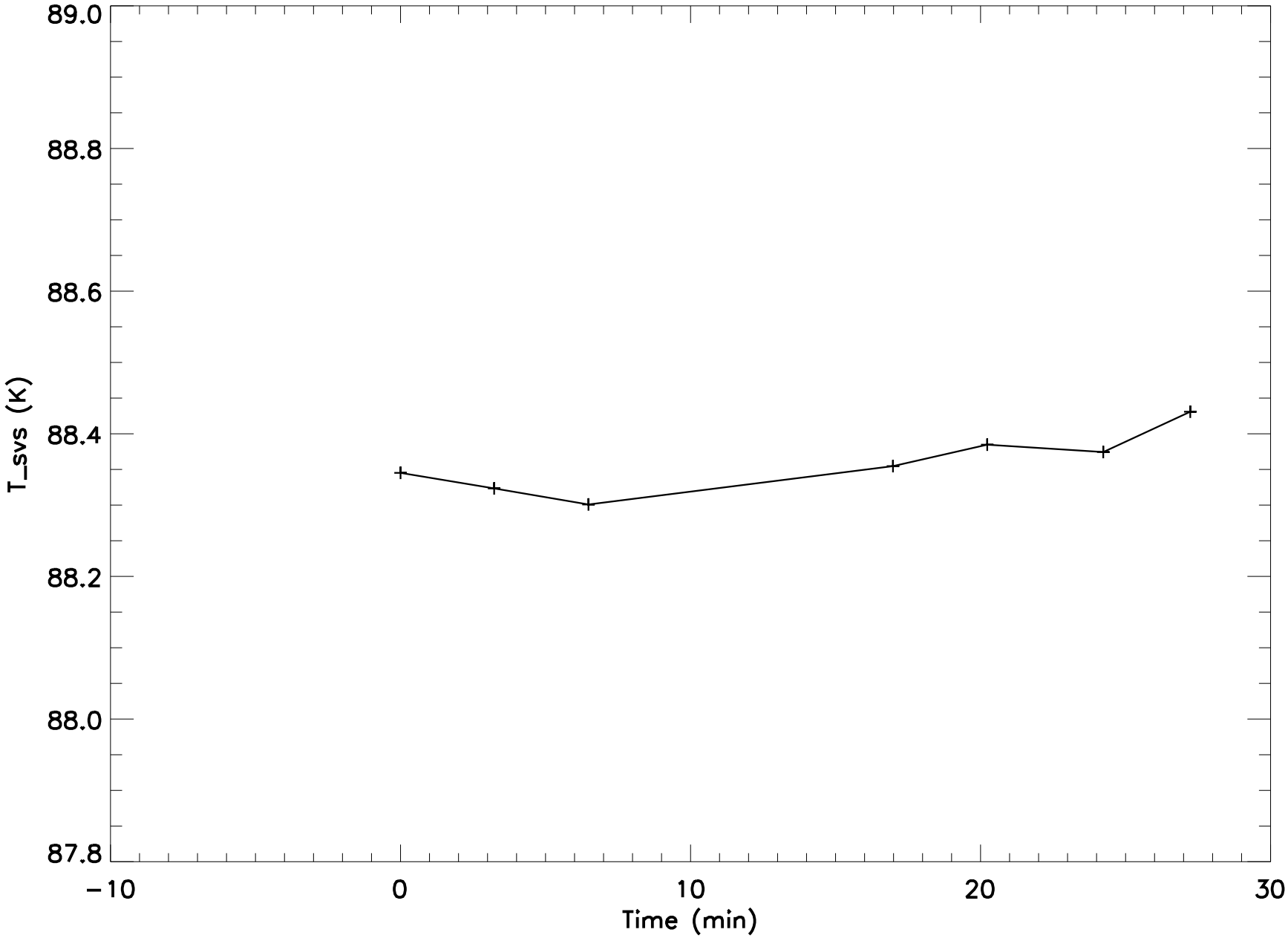
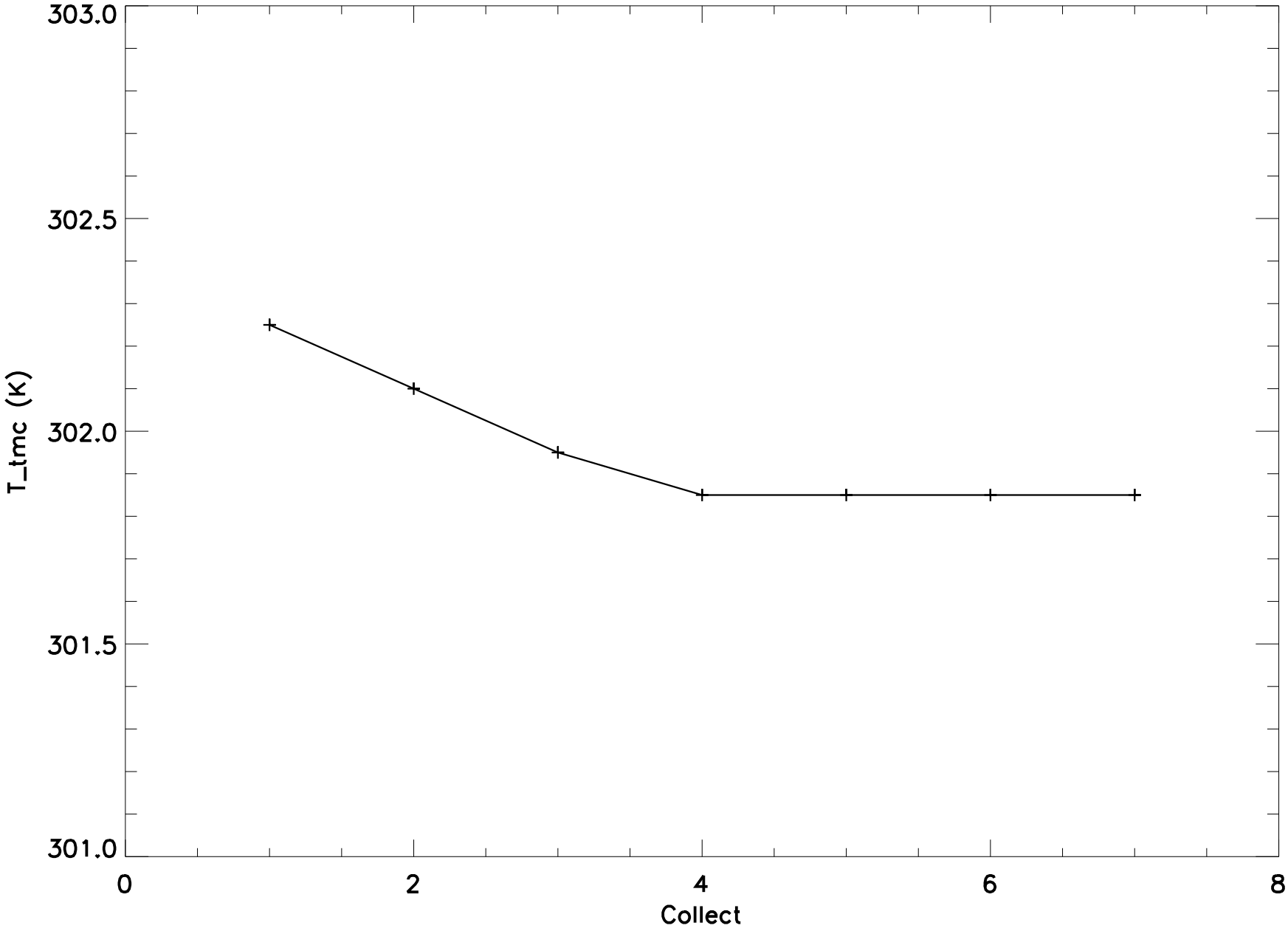

Integration Time vs Collect
Integration Time (Ticks)
4.0
3.5
3.0
2.5
2.0
0
2
4
6
8
Collect
+ VisNIR M
✳ VisNIR I
◇ SMWIR M
△ SMWIR I
□ LWIR M
× LWIR I

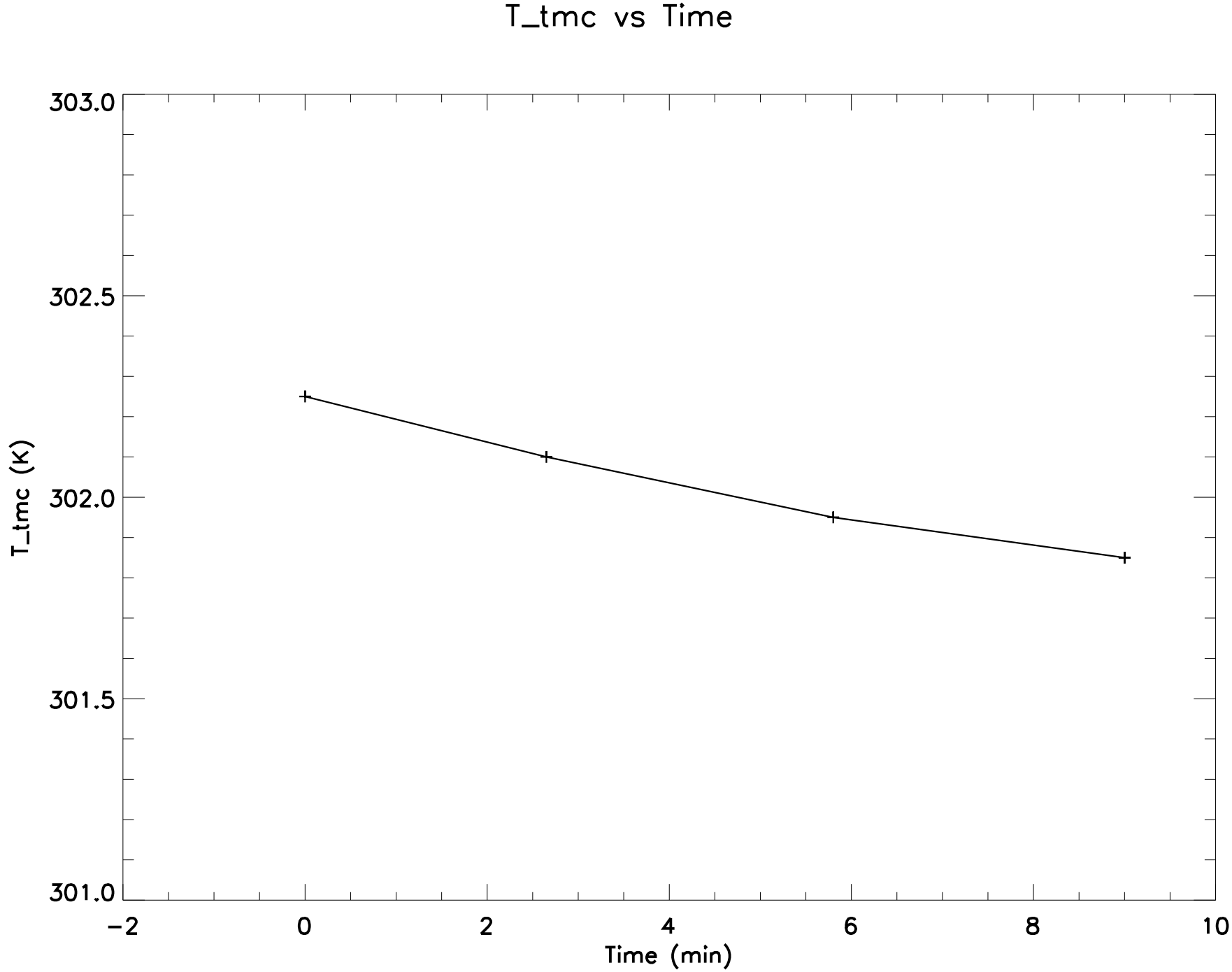

T_bcs vs Collect
292.6
292.4
292.2
292.0
291.8
291.6
291.4
T_bcs (K)
0
2
4
6
8
Collect

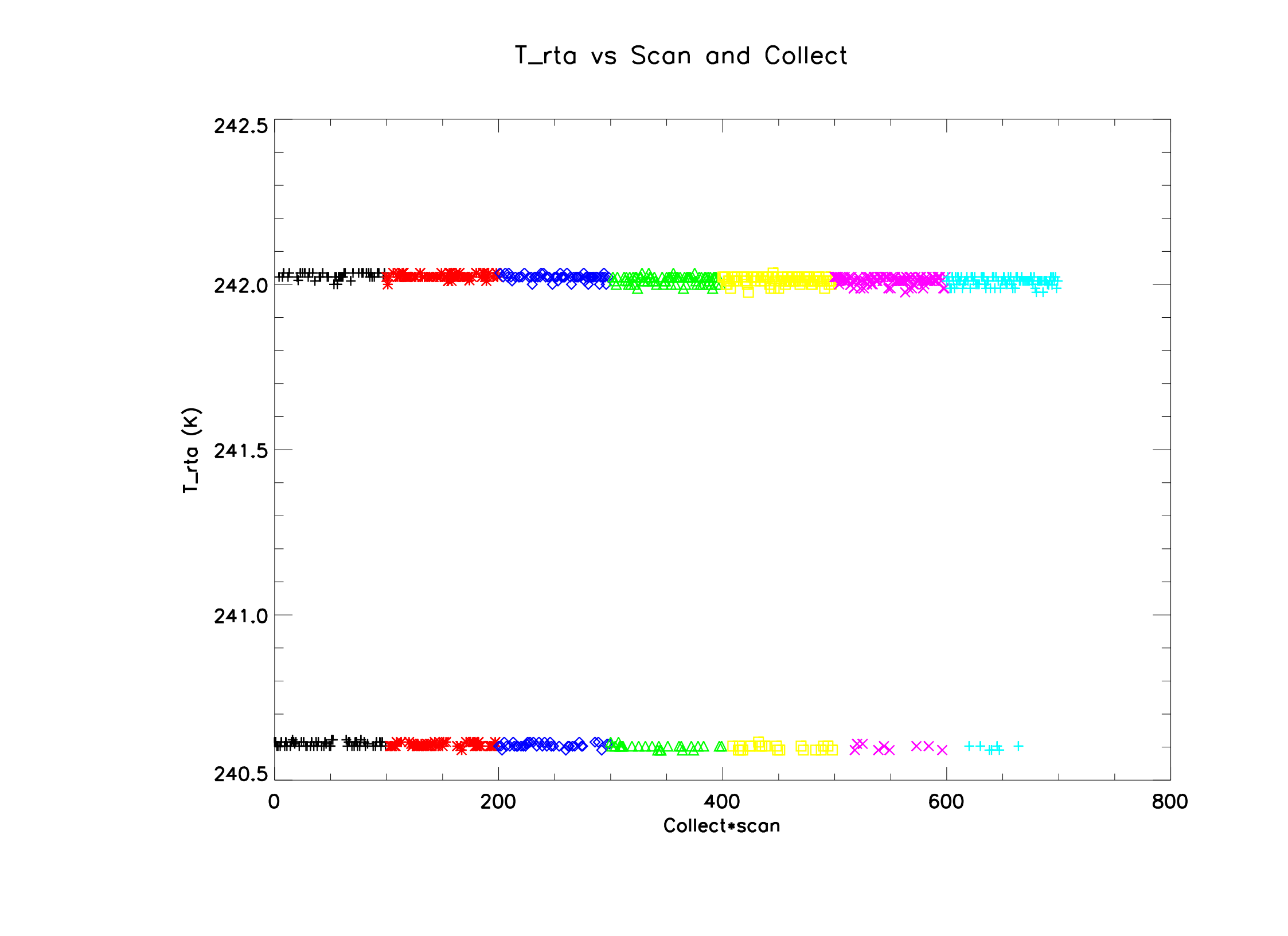

T_svs vs Collect
89.0
88.8
88.6
88.4
88.2
88.0
87.8
T_svs (K)
0
2
4
6
8
Collect

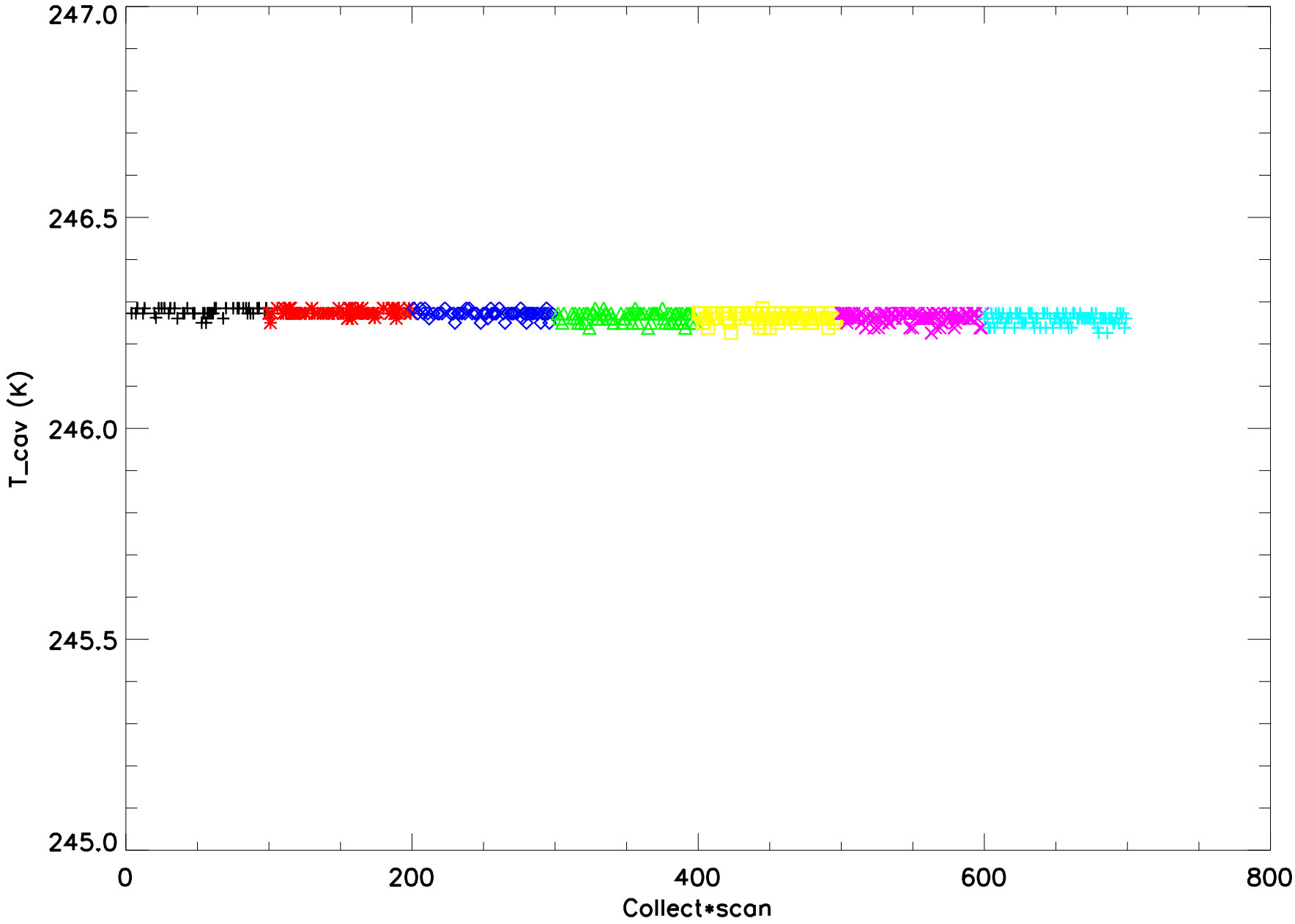

T_bcs vs Time
292.6
292.4
292.2
292.0
291.8
291.6
291.4
T_bcs (K)
−10
0
10
20
30
Time (min)

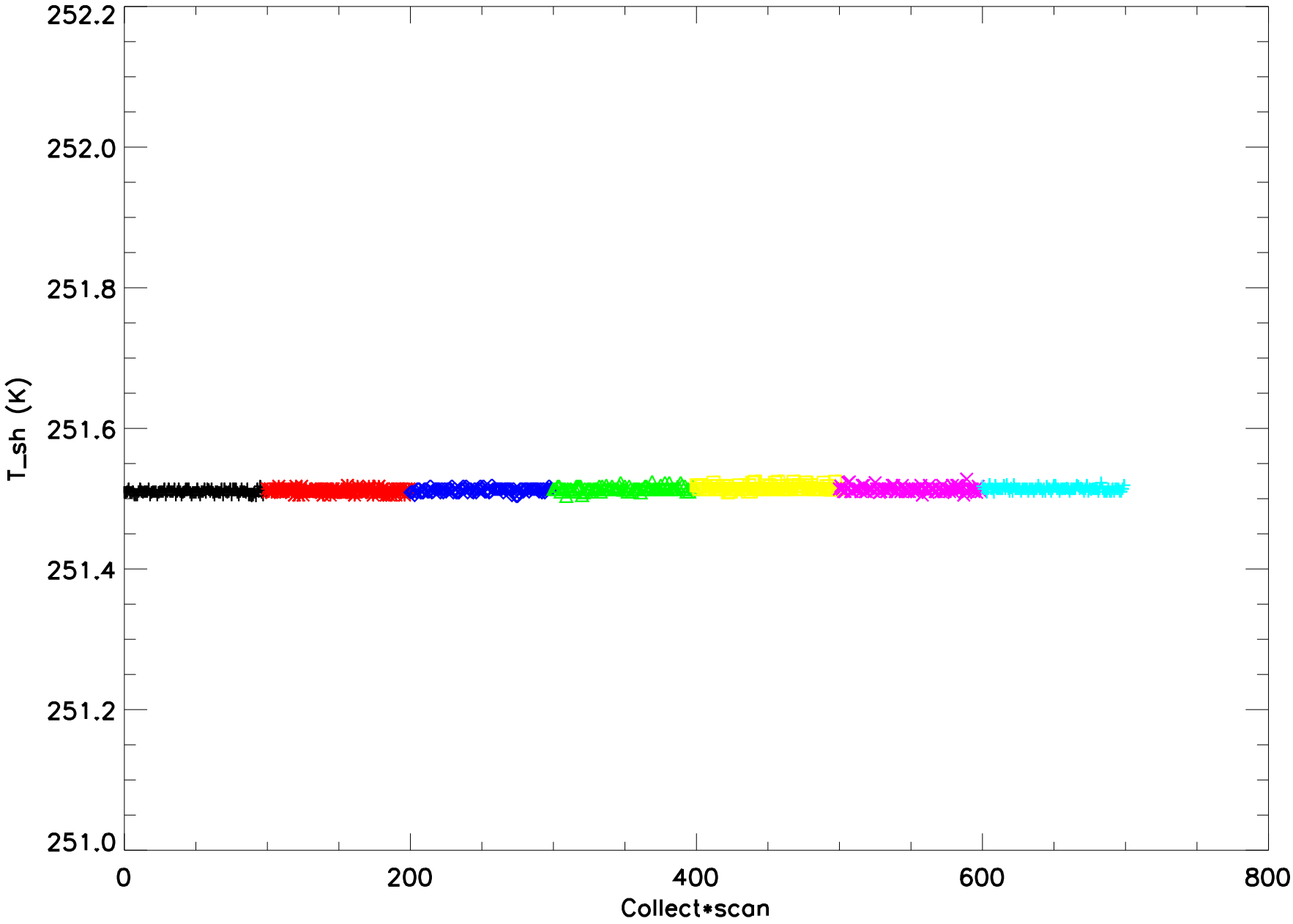

T_svs vs Time
89.0
88.8
88.6
88.4
88.2
88.0
87.8
T_svs (K)
−10
0
10
20
30
Time (min)

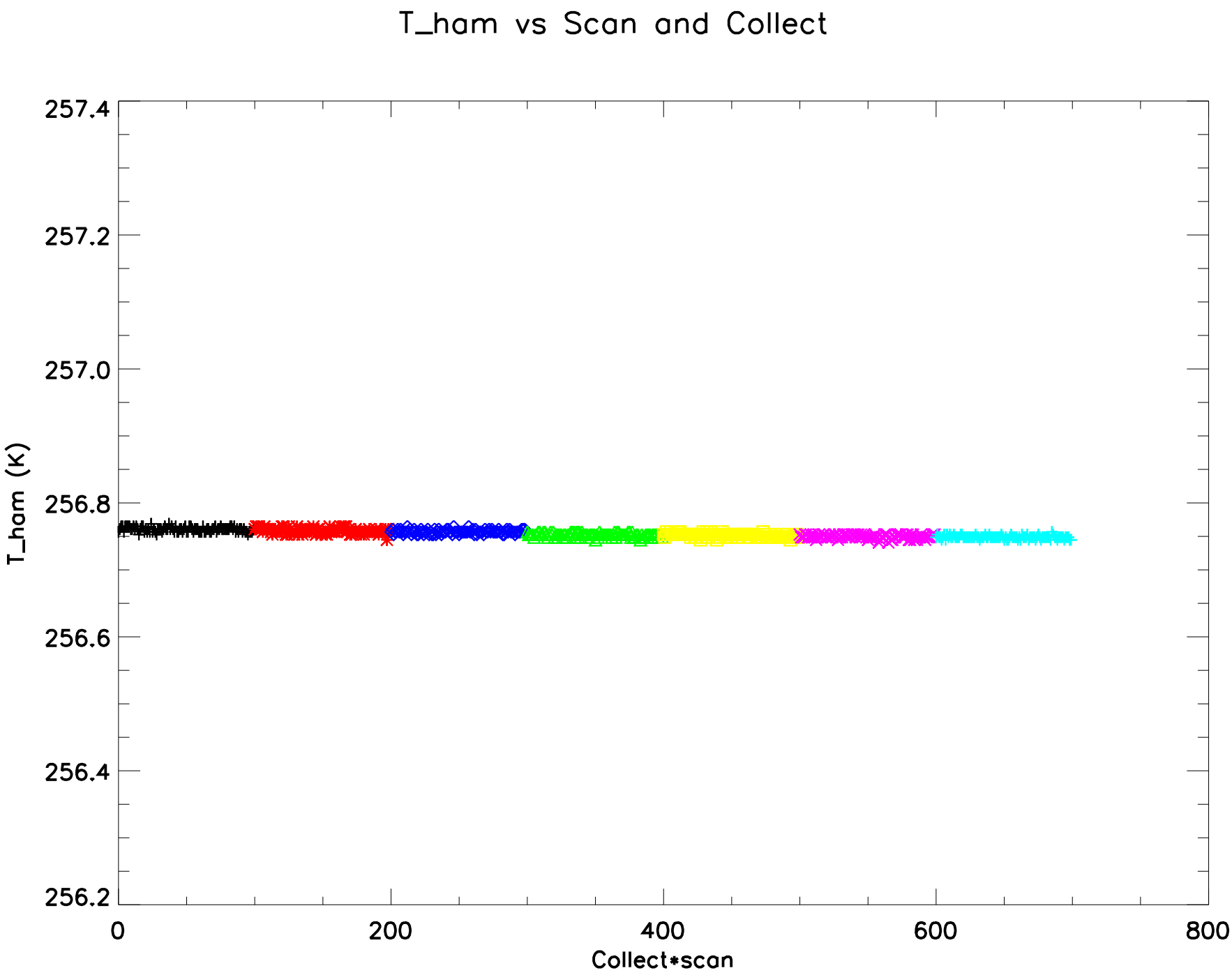

T_tmc vs Collect
303.0
302.5
302.0
301.5
301.0
T_tmc (K)
0
2
4
6
8
Collect

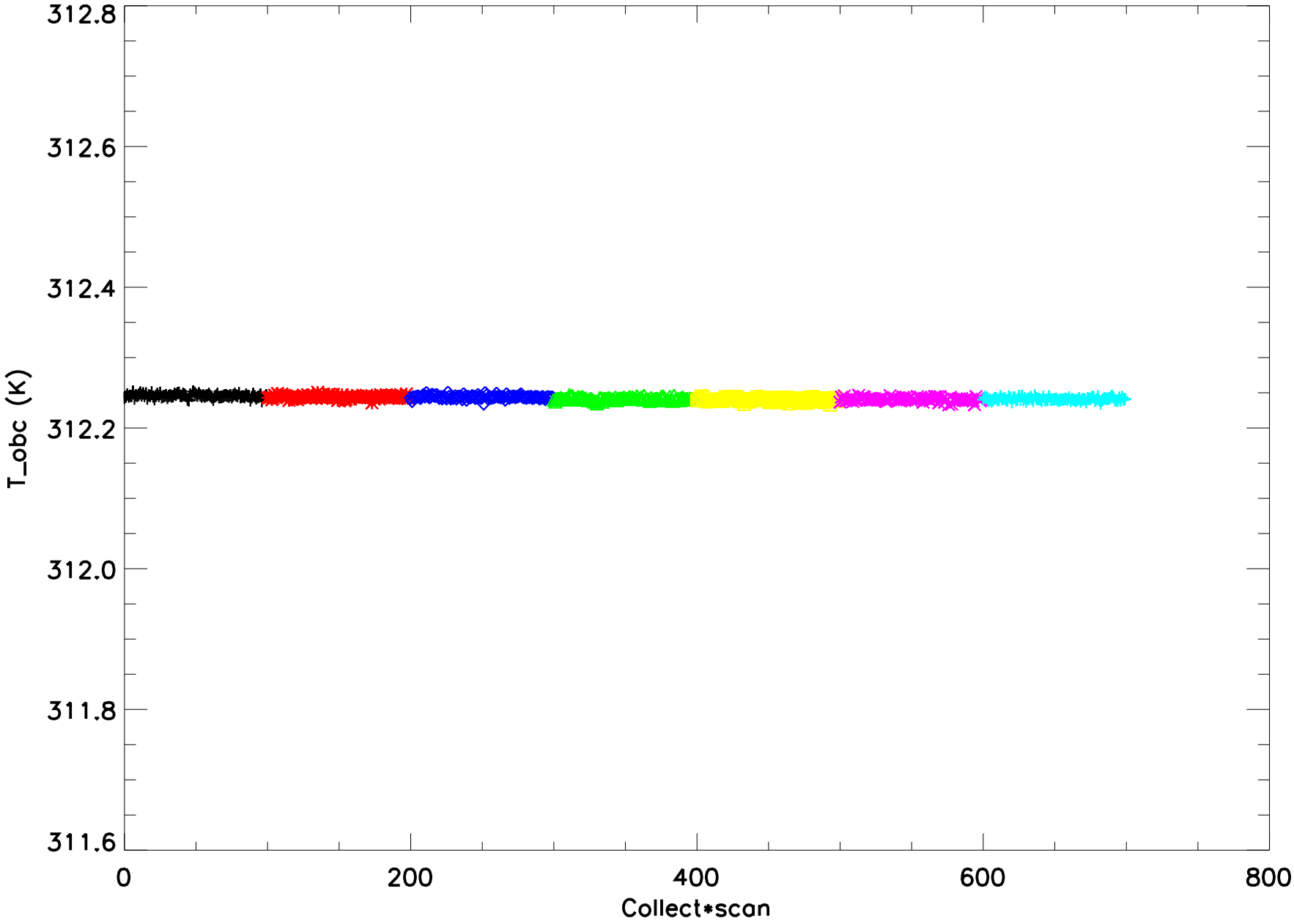

T_tmc vs Time
303.0
302.5
302.0
301.5
301.0
T_tmc (K)
−2
0
2
4
6
8
10
Time (min)

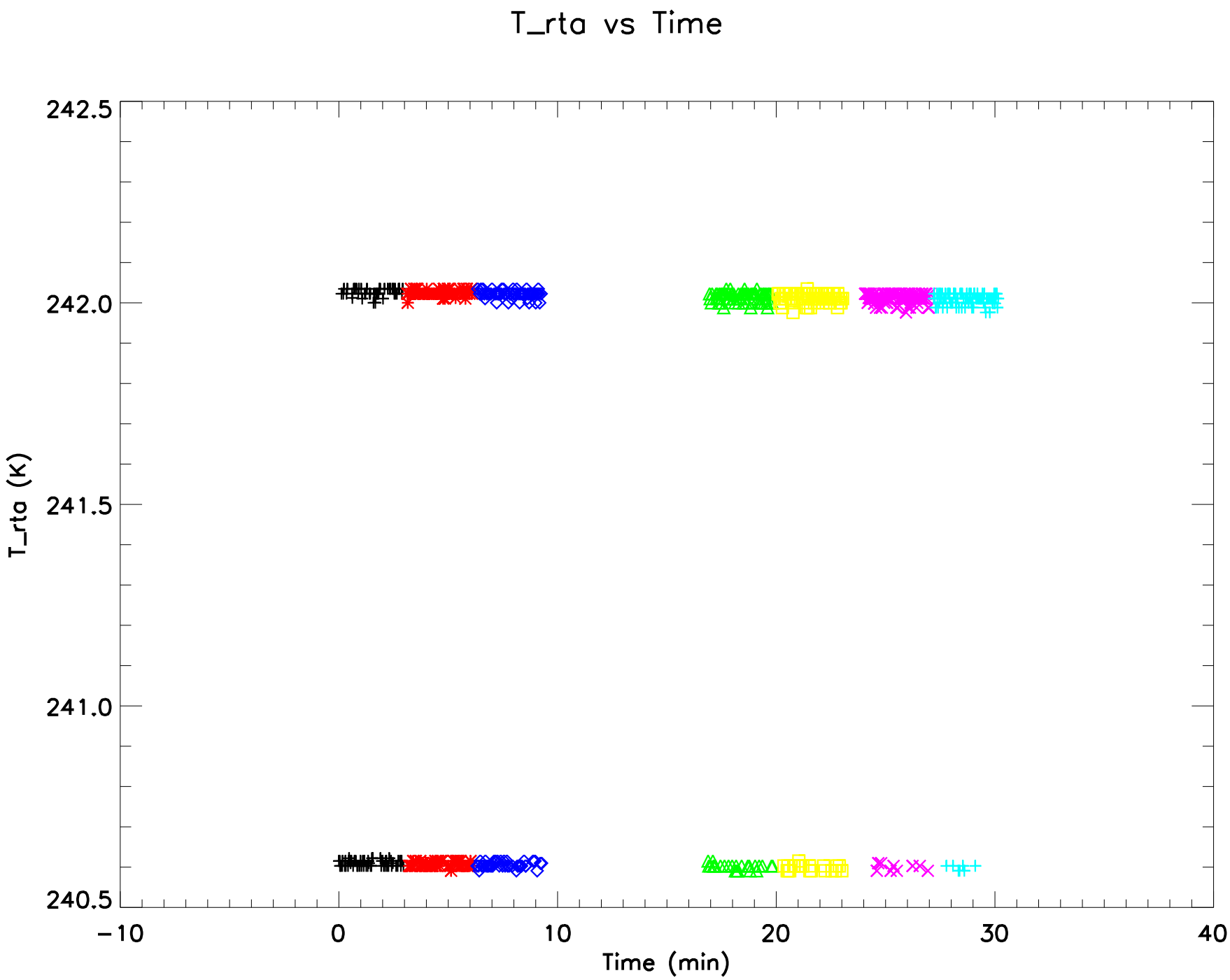

T_rta vs Scan and Collect
242.5
242.0
241.5
241.0
240.5
T_rta (K)
0
200
400
600
800
Collect*scan

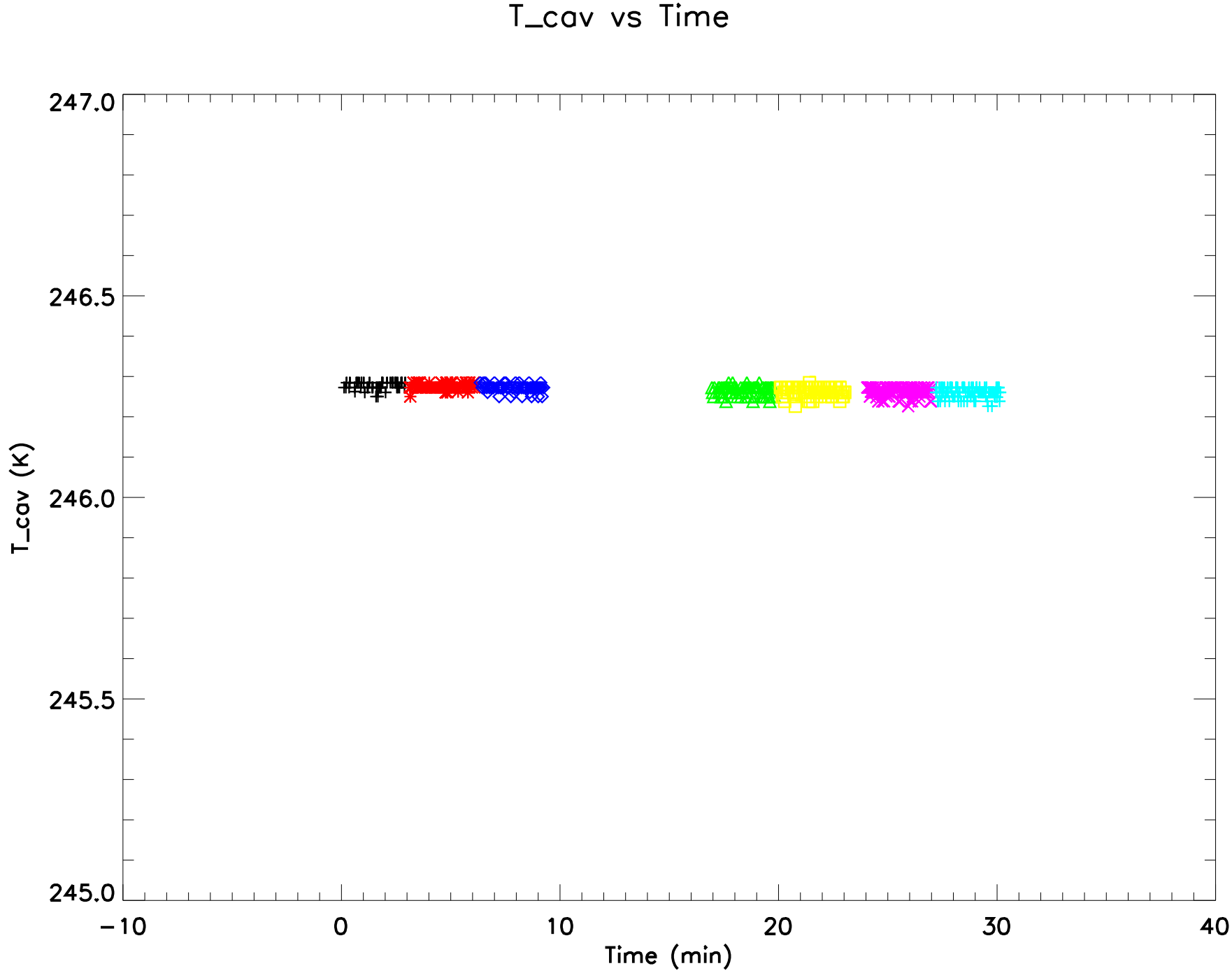

T_cav vs Scan and Collect
247.0
246.5
246.0
245.5
245.0
T_cav (K)
0
200
400
600
800
Collect*scan

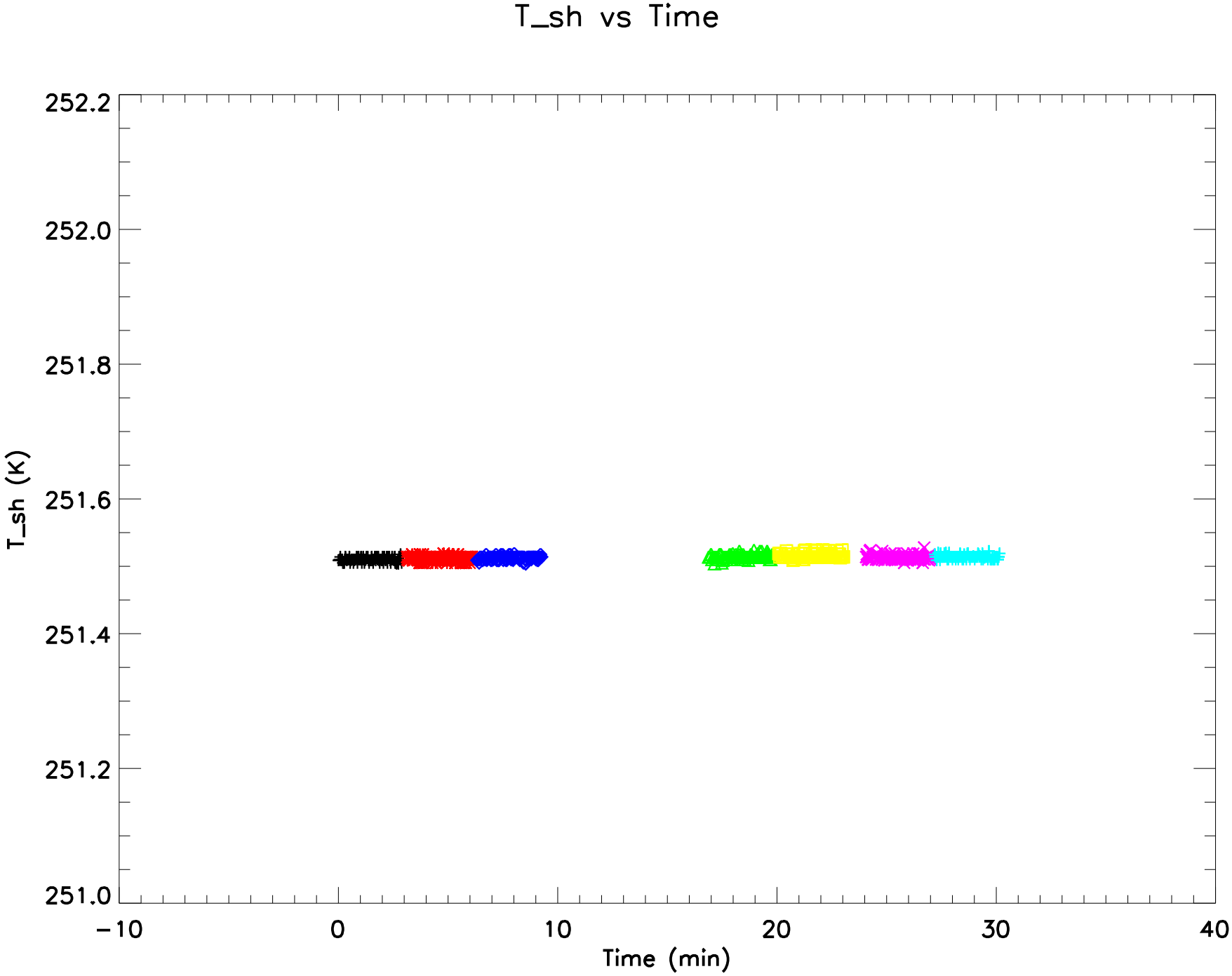

T_sh vs Scan and Collect
252.2
252.0
251.8
251.6
251.4
251.2
251.0
T_sh (K)
0
200
400
600
800
Collect*scan

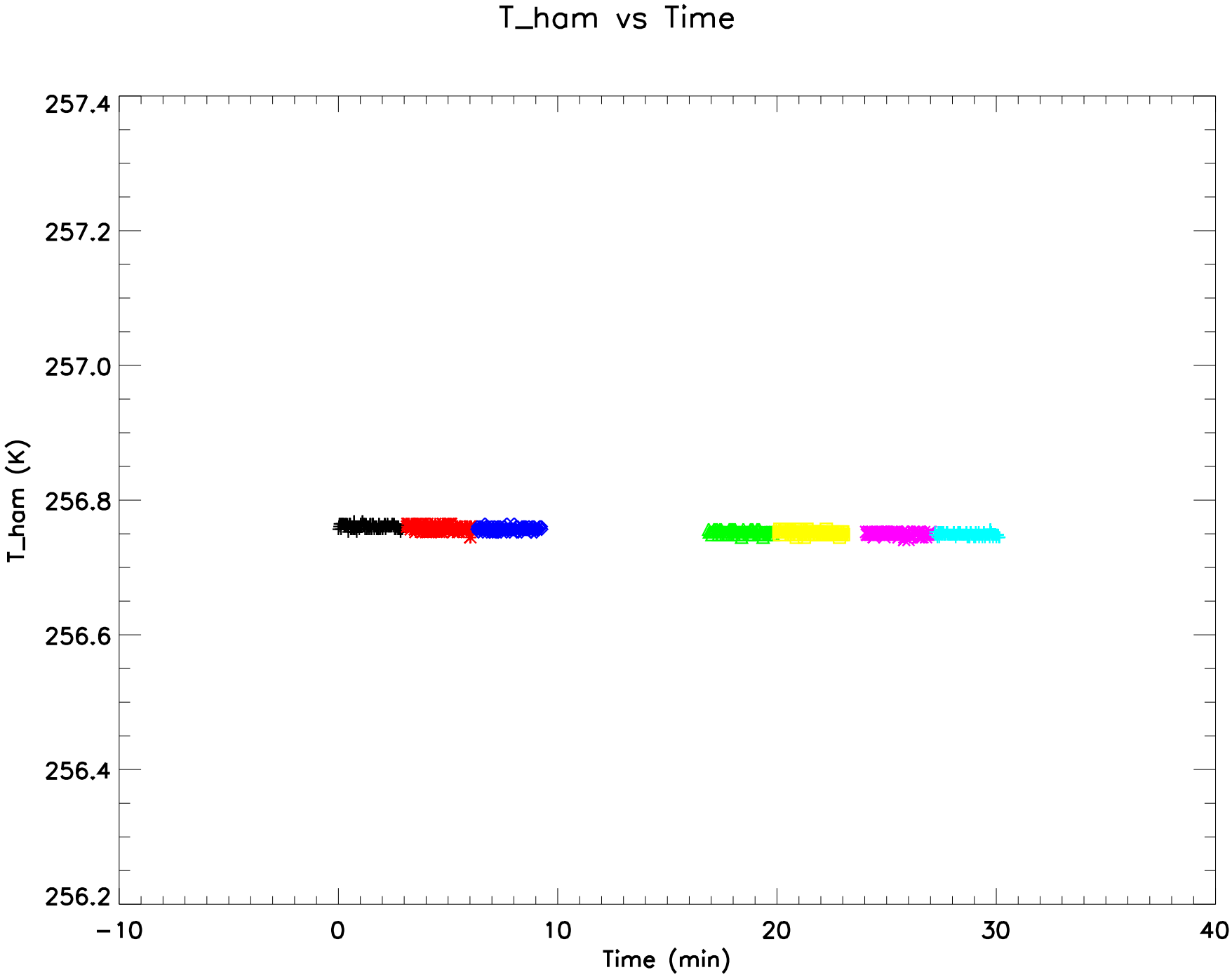

T_ham vs Scan and Collect
257.4
257.2
257.0
256.8
256.6
256.4
256.2
T_ham (K)
0
200
400
600
800
Collect*scan

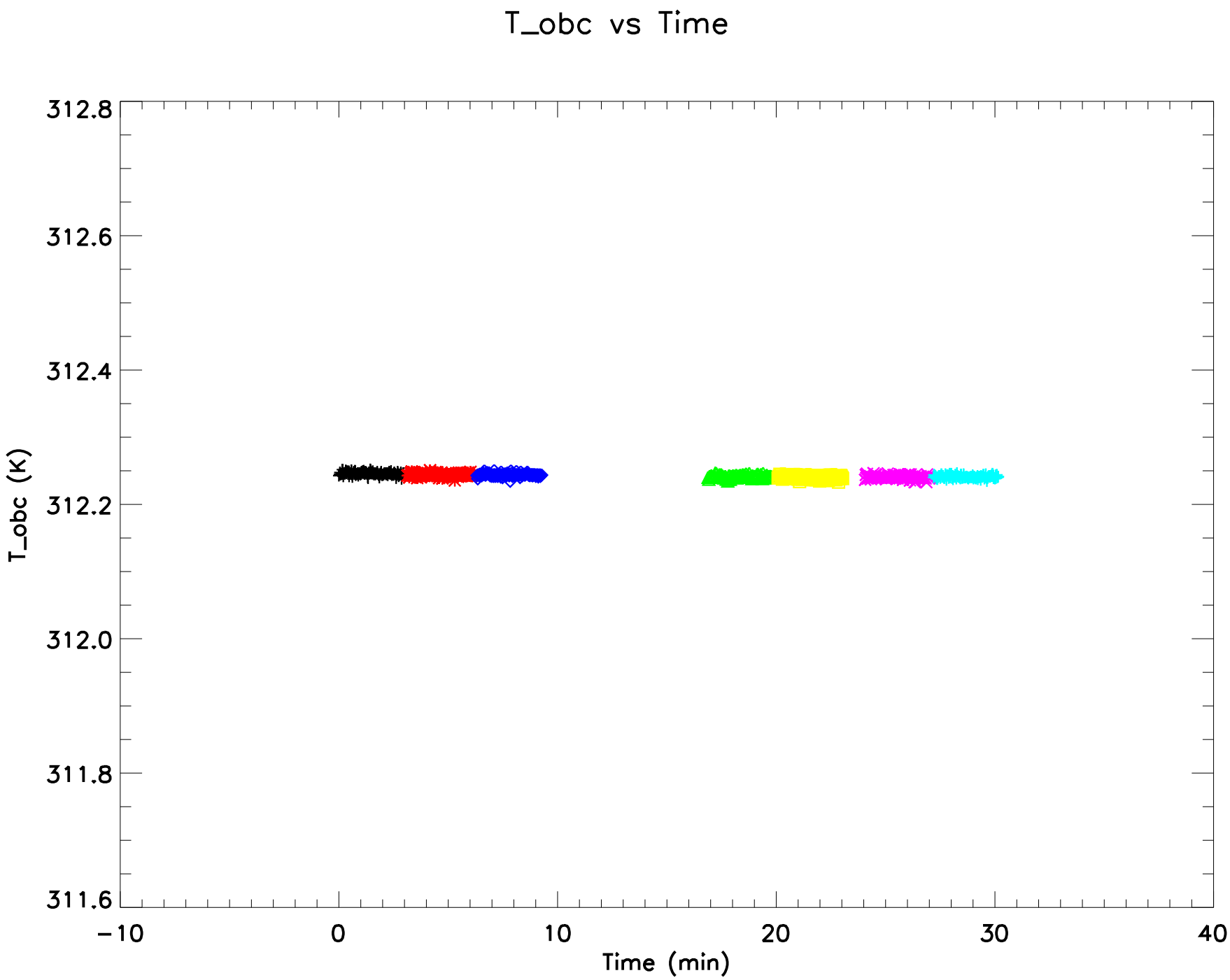

T_obc vs Scan and Collect
312.8
312.6
312.4
312.2
312.0
311.8
311.6
T_obc (K)
0
200
400
600
800
Collect*scan


T_rta vs Time
242.5
242.0
241.5
241.0
240.5
T_rta (K)
−10
0
10
20
30
40
Time (min)

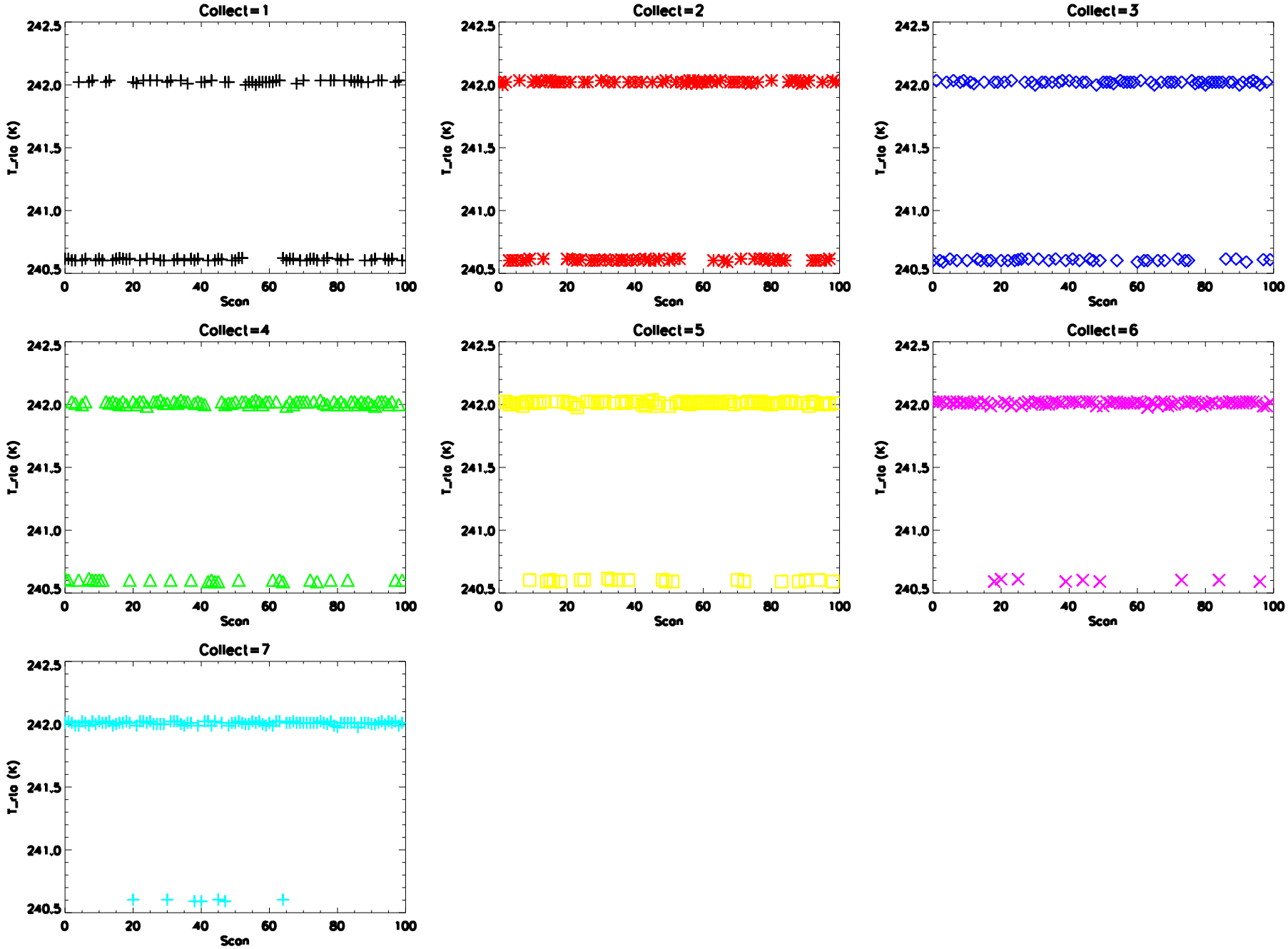

T_cav vs Time
247.0
246.5
246.0
245.5
245.0
T_cav (K)
−10
0
10
20
30
40
Time (min)


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

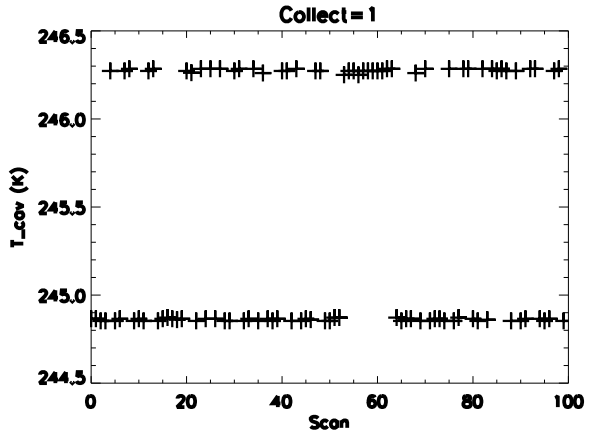

T_ham vs Time
257.4
257.2
257.0
256.8
256.6
256.4
256.2
T_ham (K)
−10
0
10
20
30
40
Time (min)

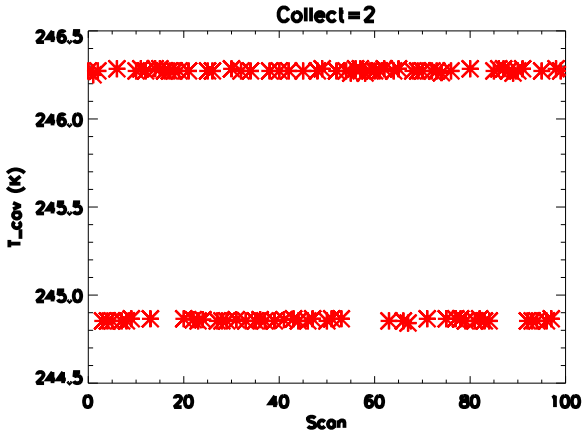

T_obc vs Time
312.8
312.6
312.4
312.2
312.0
311.8
311.6
T_obc (K)
−10
0
10
20
30
40
Time (min)

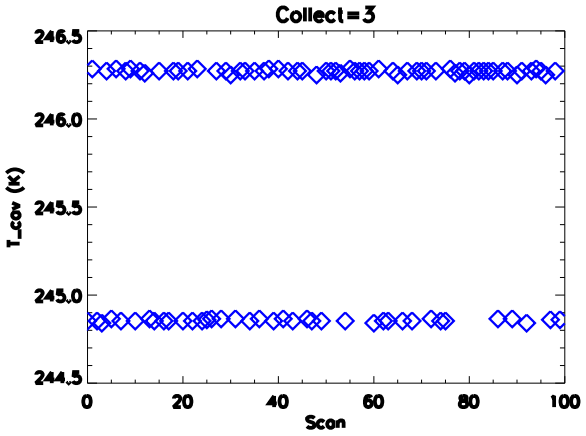
T_rta vs Scan

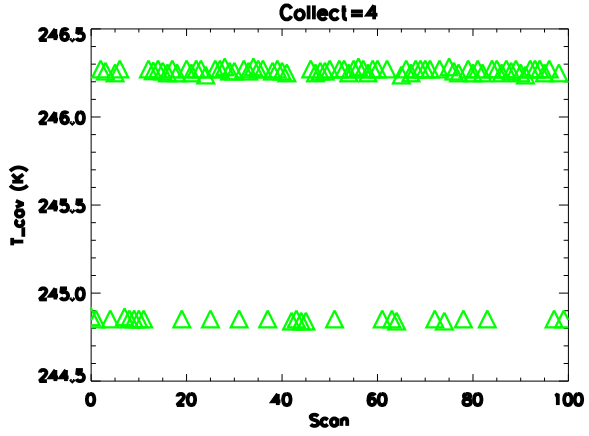

Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
T_rta (K)
Scan
242.5
242.0
241.5
241.0
240.5
0
20
40
60
80
100

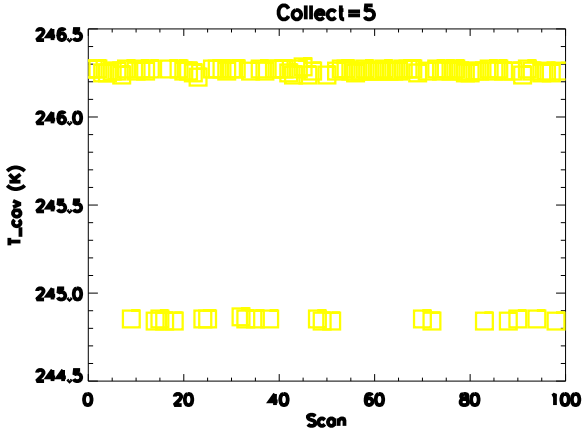
T_cav vs Scan

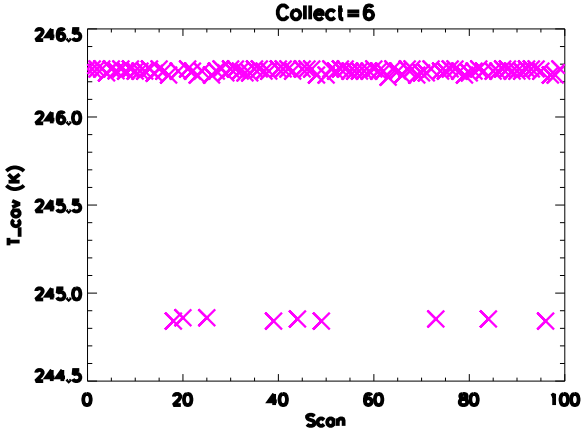

Collect=1
T_cav (K)
246.5
246.0
245.5
245.0
244.5
0
20
40
60
80
100
Scan

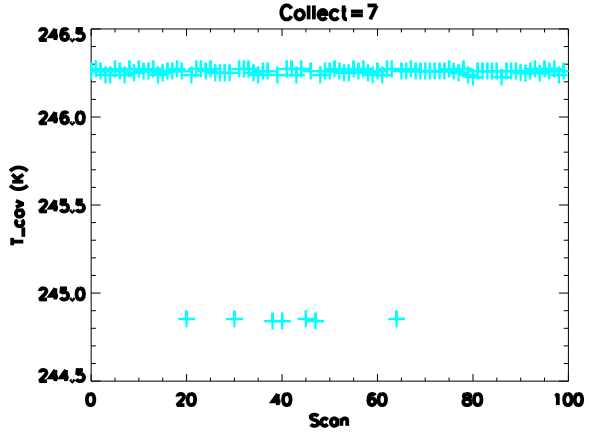

Collect=2
T_cav (K)
246.5
246.0
245.5
245.0
244.5
0
20
40
60
80
100
Scan


Collect=3
T_cav (K)
246.5
246.0
245.5
245.0
244.5
0
20
40
60
80
100
Scan

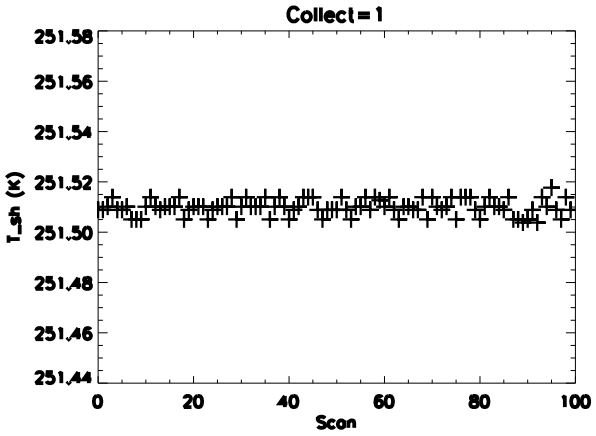

Collect=4
T_cav (K)
246.5
246.0
245.5
245.0
244.5
0
20
40
60
80
100
Scan

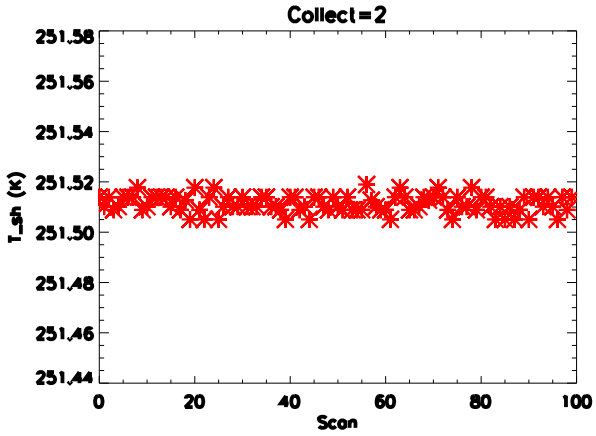

Collect=5
T_cav (K)
246.5
246.0
245.5
245.0
244.5
0
20
40
60
80
100
Scan

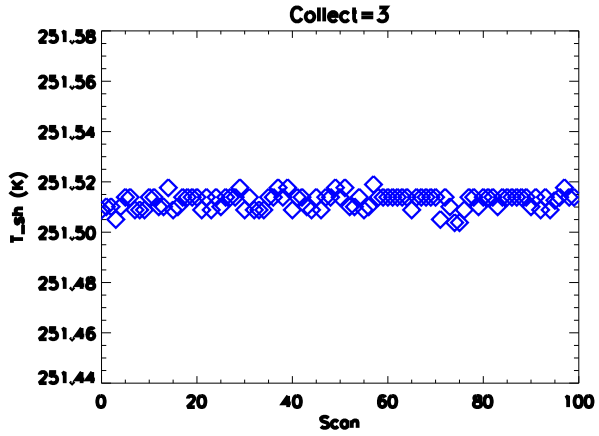

Collect=6
T_cav (K)
246.5
246.0
245.5
245.0
244.5
0
20
40
60
80
100
Scan

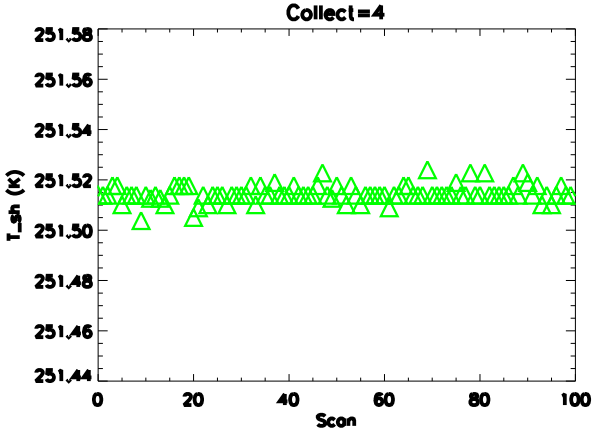

Collect=7
T_cav (K)
246.5
246.0
245.5
245.0
244.5
0
20
40
60
80
100
Scan

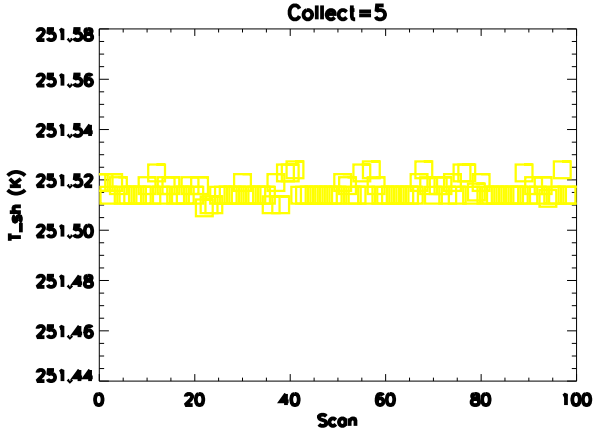
T_sh vs Scan

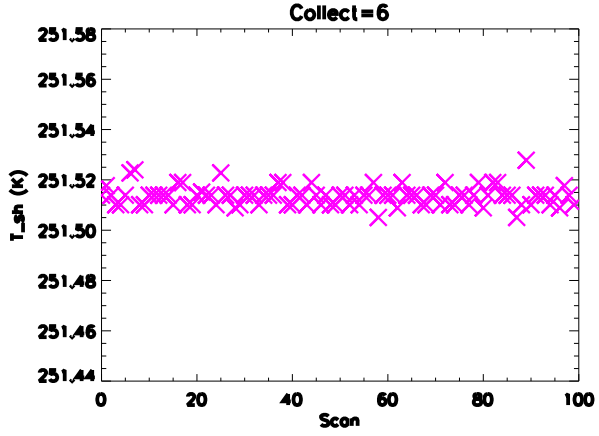

Collect=1
T_sh (K)
Scan
251.58
251.56
251.54
251.52
251.50
251.48
251.46
251.44
0
20
40
60
80
100

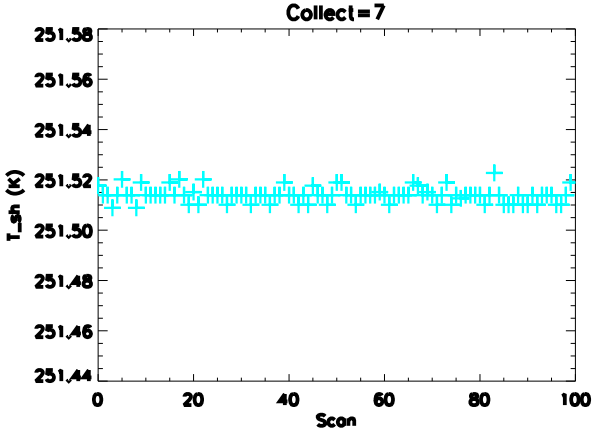

Collect=2
T_sh (K)
Scan
251.58
251.56
251.54
251.52
251.50
251.48
251.46
251.44
0
20
40
60
80
100


Collect=3
T_sh (K)
Scan
251.58
251.56
251.54
251.52
251.50
251.48
251.46
251.44
0
20
40
60
80
100

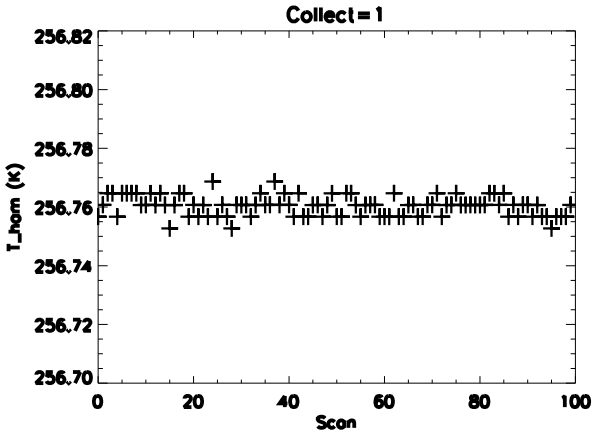

Collect=4
T_sh (K)
Scan
251.58
251.56
251.54
251.52
251.50
251.48
251.46
251.44
0
20
40
60
80
100

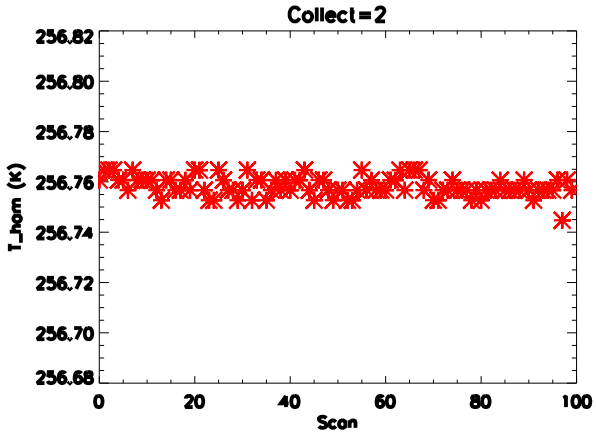

Collect=5
T_sh (K)
Scan
251.58
251.56
251.54
251.52
251.50
251.48
251.46
251.44
0
20
40
60
80
100

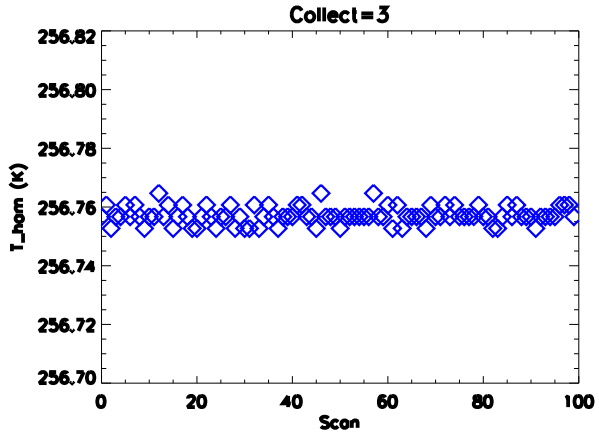

Collect=6
T_sh (K)
Scan
251.58
251.56
251.54
251.52
251.50
251.48
251.46
251.44
0
20
40
60
80
100

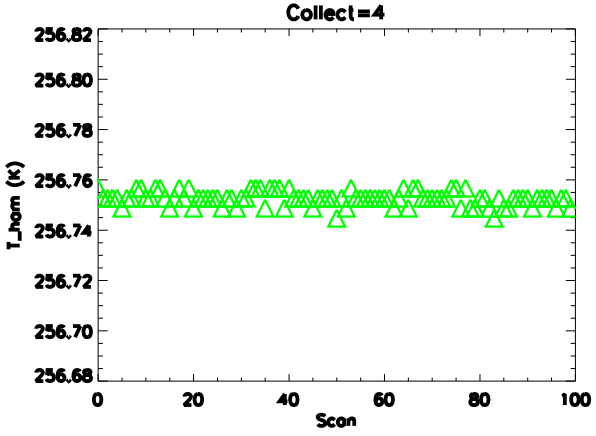

Collect=7
T_sh (K)
Scan
251.58
251.56
251.54
251.52
251.50
251.48
251.46
251.44
0
20
40
60
80
100

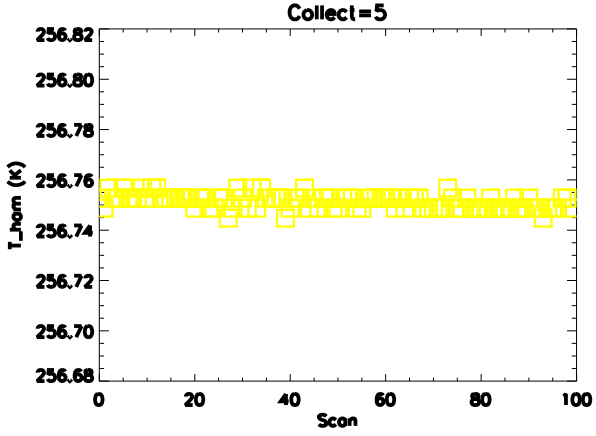
T_ham vs Scan

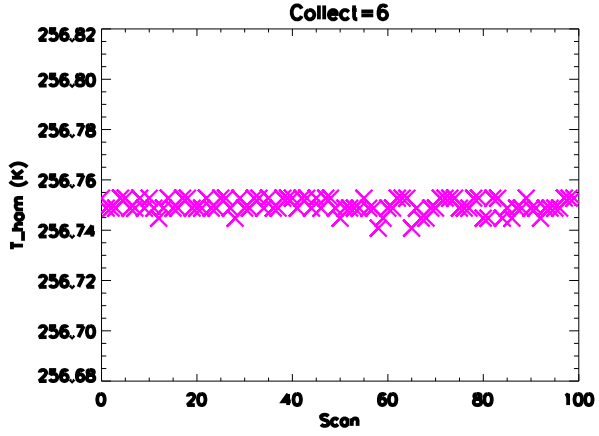

Collect=1
T_ham (K)
256.82
256.80
256.78
256.76
256.74
256.72
256.70
0
20
40
60
80
100
Scan

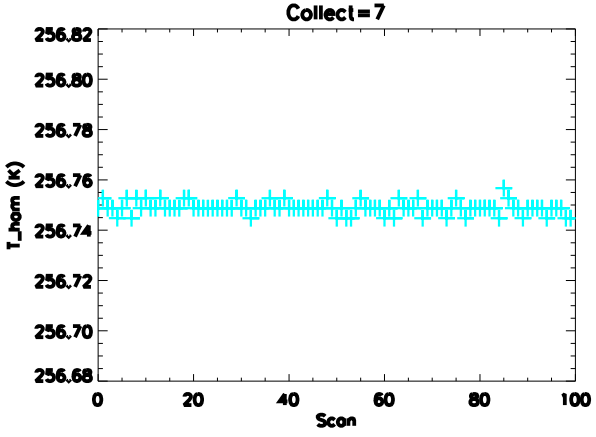

Collect=2
T_ham (K)
256.82
256.80
256.78
256.76
256.74
256.72
256.70
256.68
0
20
40
60
80
100
Scan


Collect=3
T_ham (K)
256.82
256.80
256.78
256.76
256.74
256.72
256.70
0
20
40
60
80
100
Scan

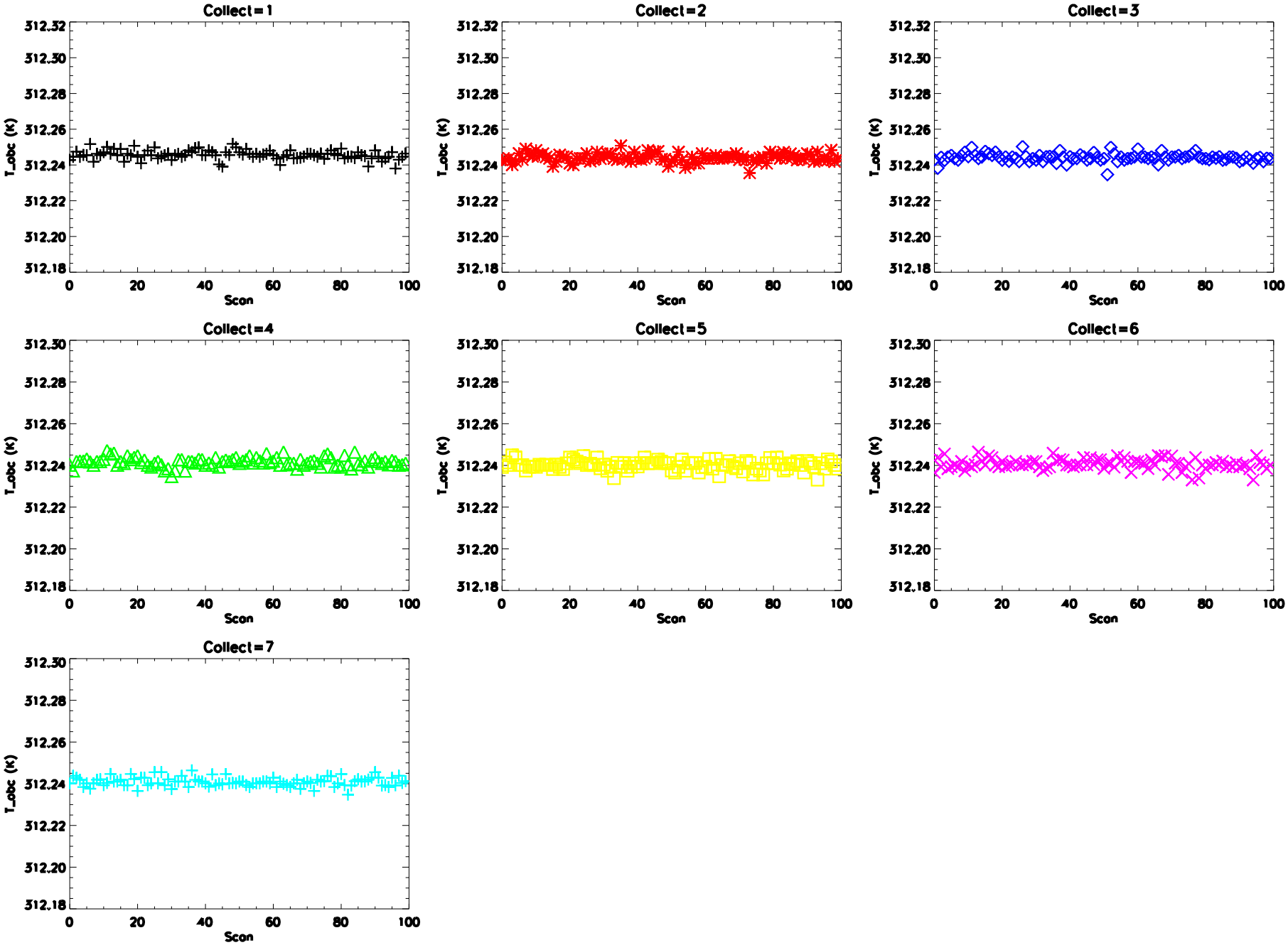

Collect=4
T_ham (K)
256.82
256.80
256.78
256.76
256.74
256.72
256.70
256.68
0
20
40
60
80
100
Scan

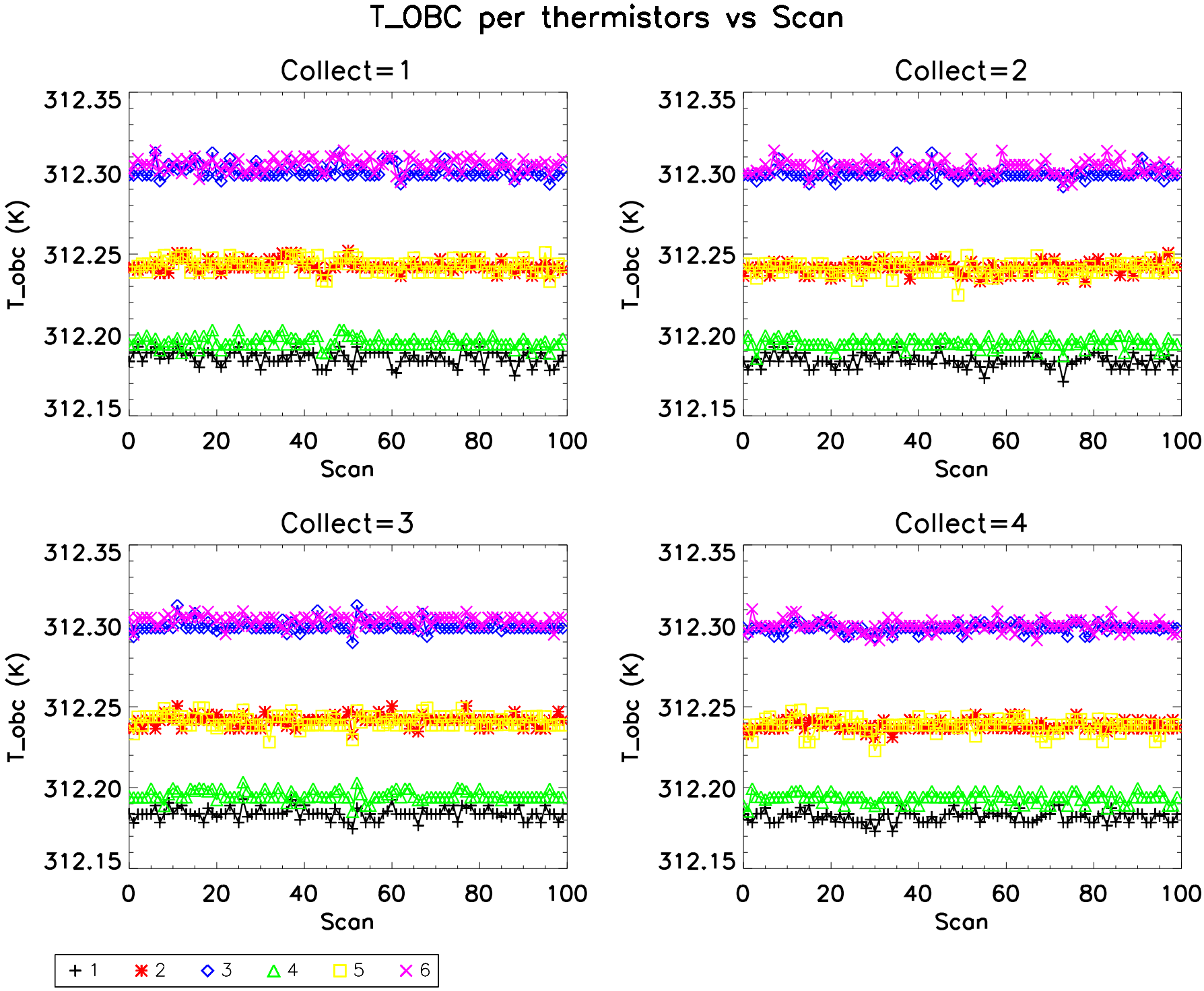

Collect=5
T_ham (K)
256.82
256.80
256.78
256.76
256.74
256.72
256.70
256.68
0
20
40
60
80
100
Scan


Collect=6
T_ham (K)
256.82
256.80
256.78
256.76
256.74
256.72
256.70
256.68
0
20
40
60
80
100
Scan

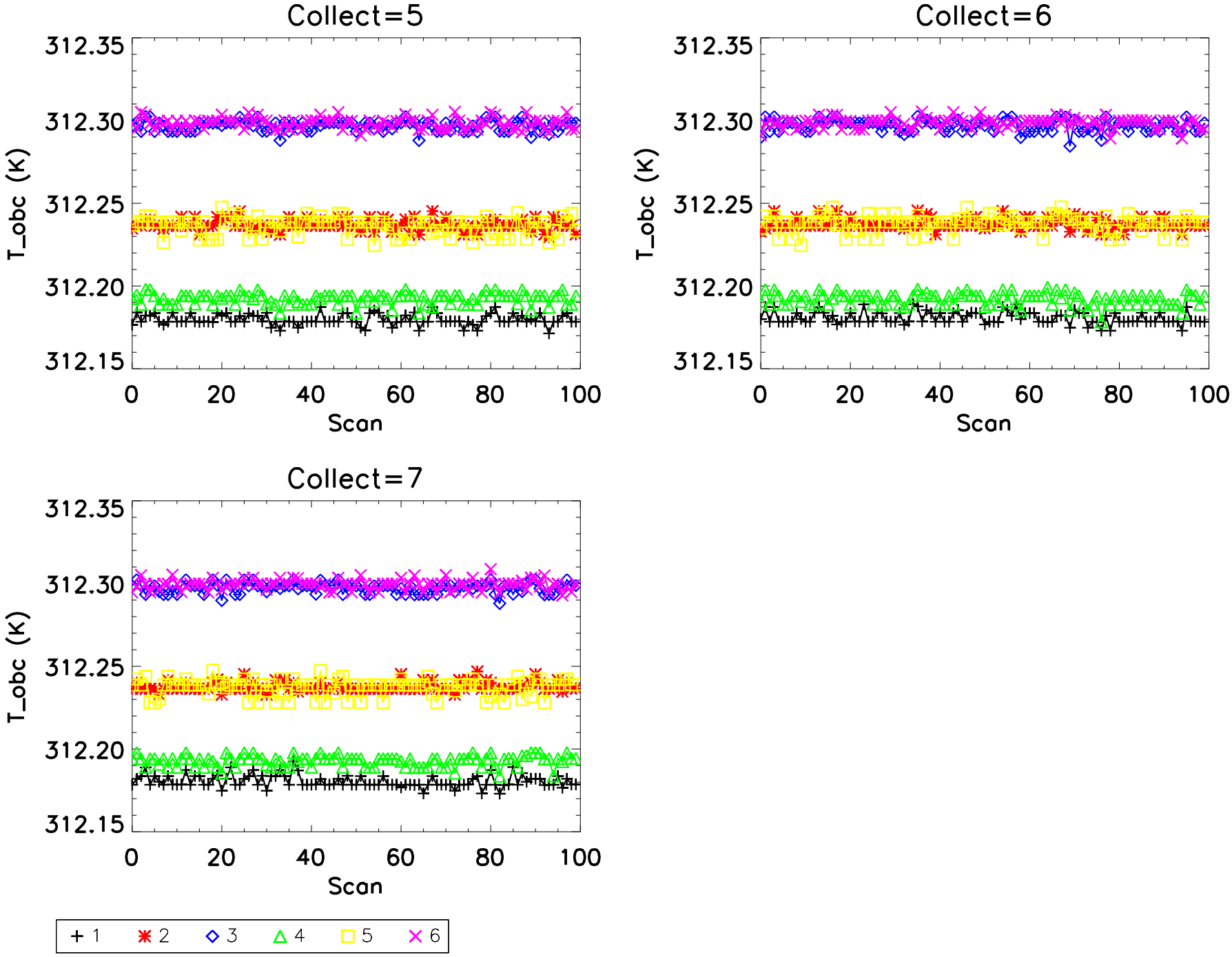

Collect=7
T_ham (K)
256.82
256.80
256.78
256.76
256.74
256.72
256.70
256.68
0
20
40
60
80
100
Scan

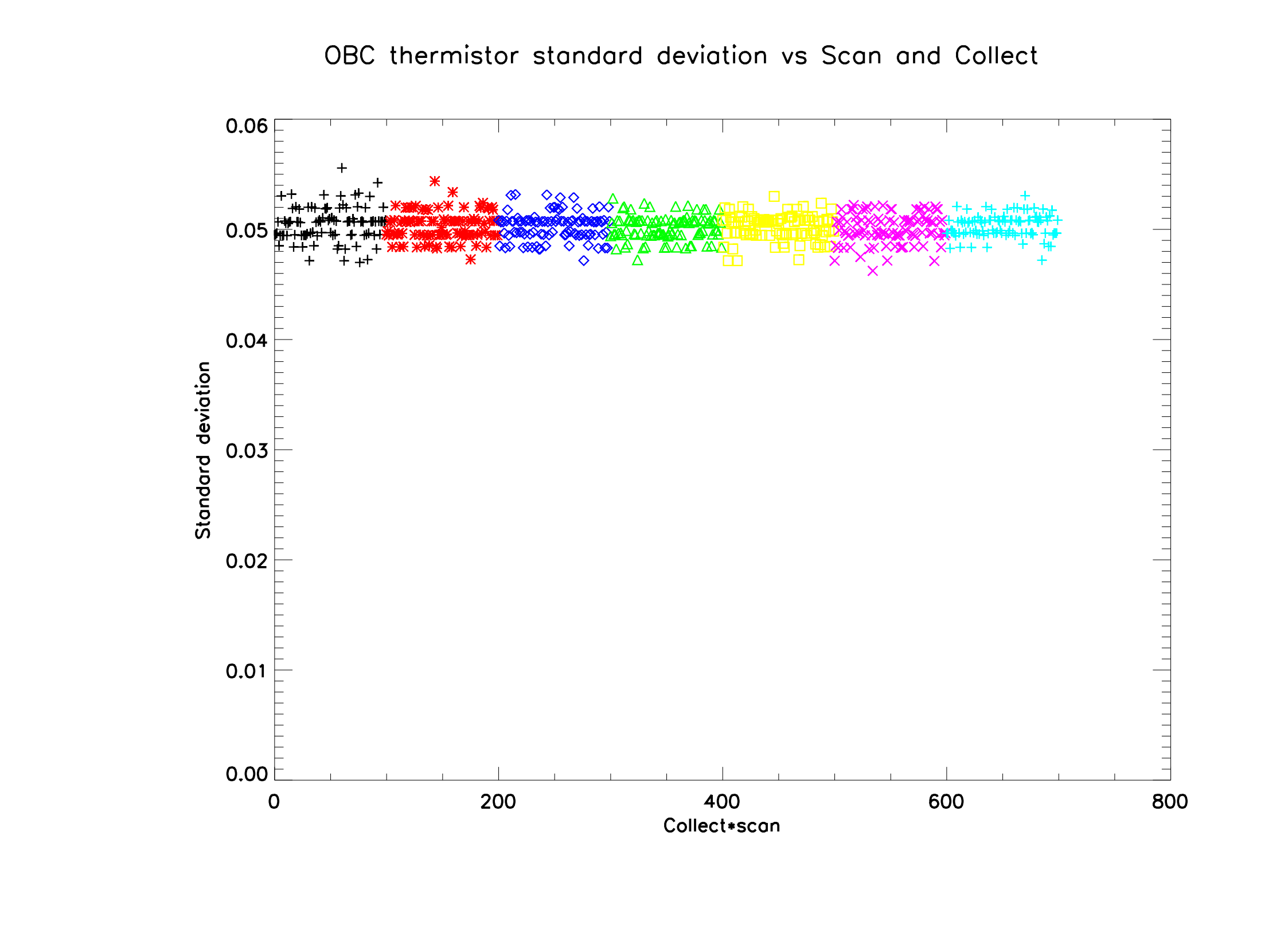
T_obc vs Scan

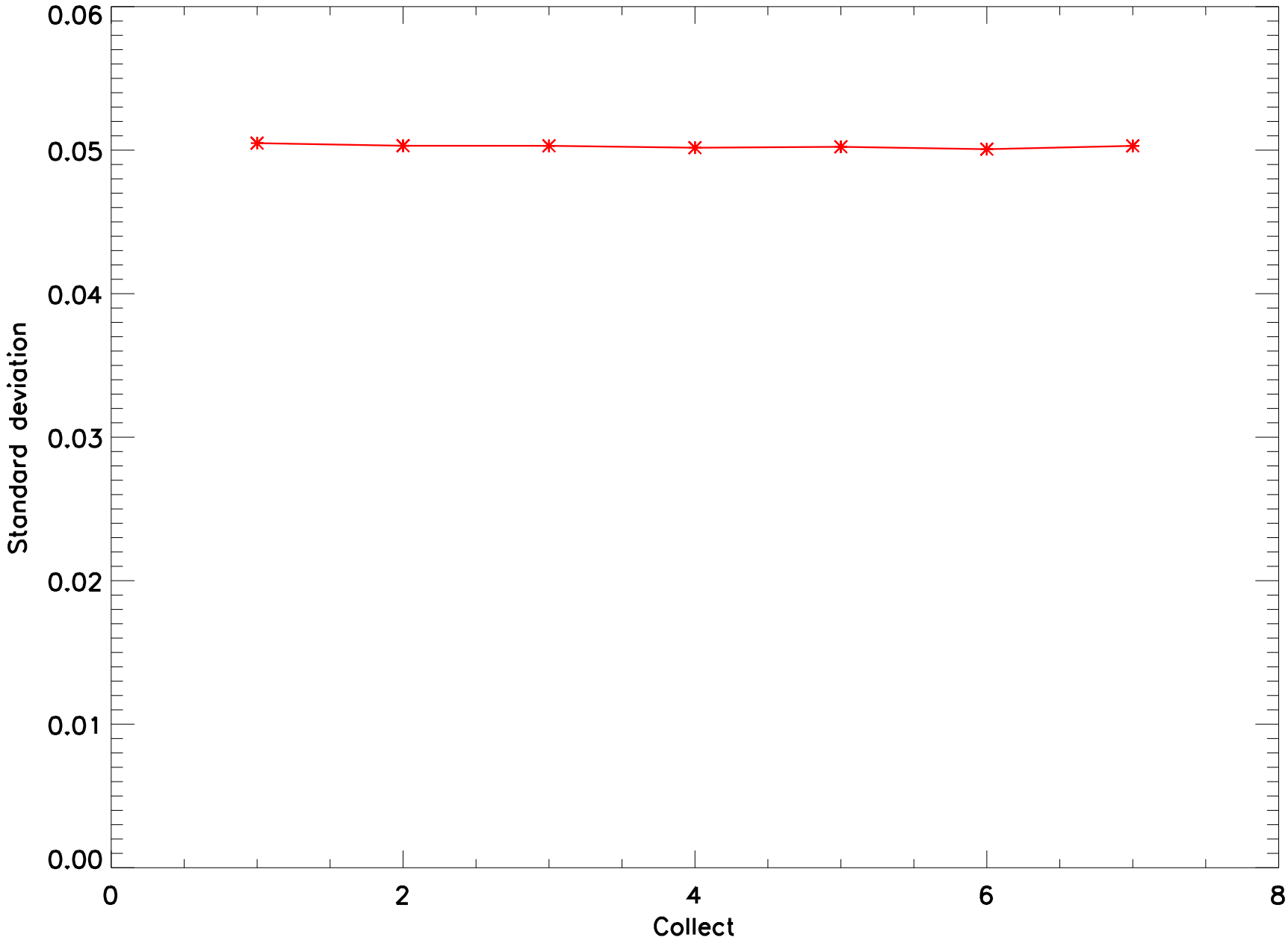

Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
T_obc (K)
Scan
312.32
312.30
312.28
312.26
312.24
312.22
312.20
312.18
0
20
40
60
80
100

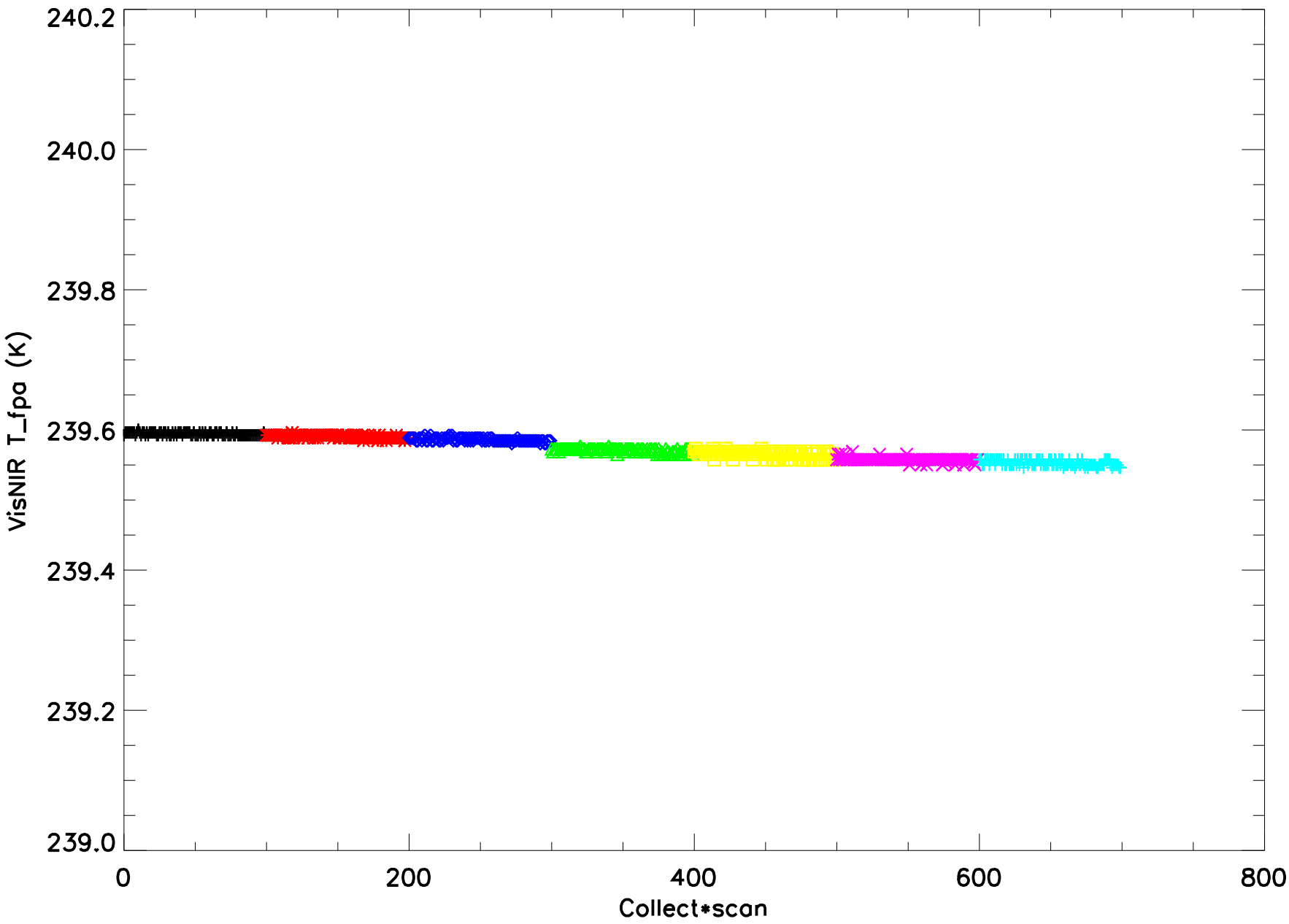

T_OBC per thermistors vs Scan
Collect=1
Collect=2
Collect=3
Collect=4
T_obc (K)
Scan
312.35
312.30
312.25
312.20
312.15
0
20
40
60
80
100
1
2
3
4
5
6

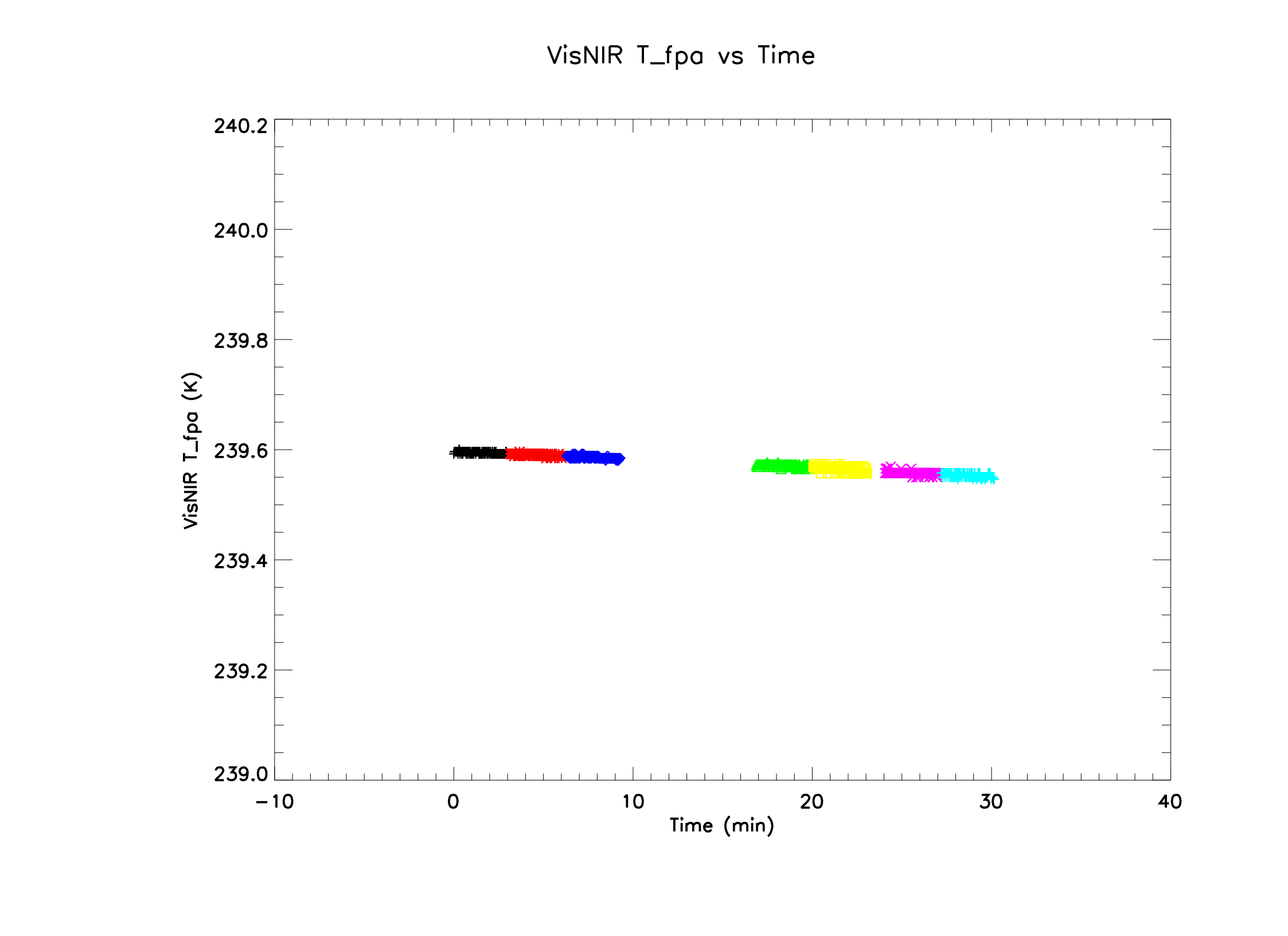
T_OBC per thermistors vs Scan



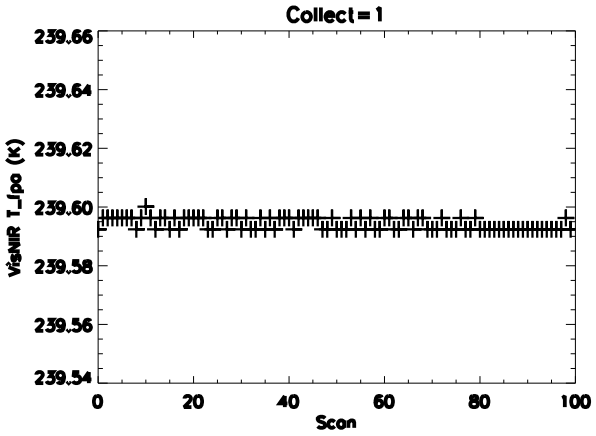

OBC thermistor standard deviation vs Scan and Collect
Standard deviation
0.06
0.05
0.04
0.03
0.02
0.01
0.00
0
200
400
600
800
Collect*scan

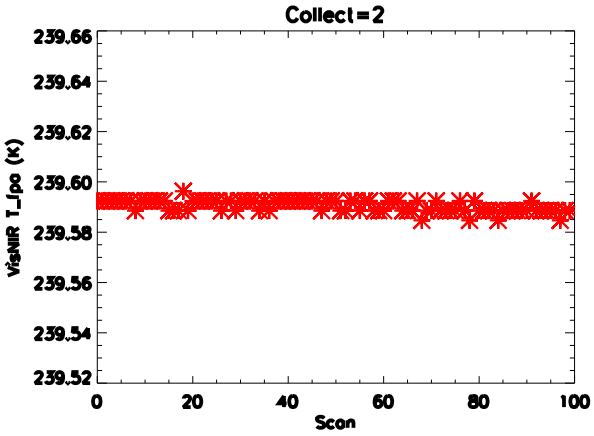

OBC thermistor standard deviation vs Collect
Standard deviation
0.06
0.05
0.04
0.03
0.02
0.01
0.00
0
2
4
6
8
Collect

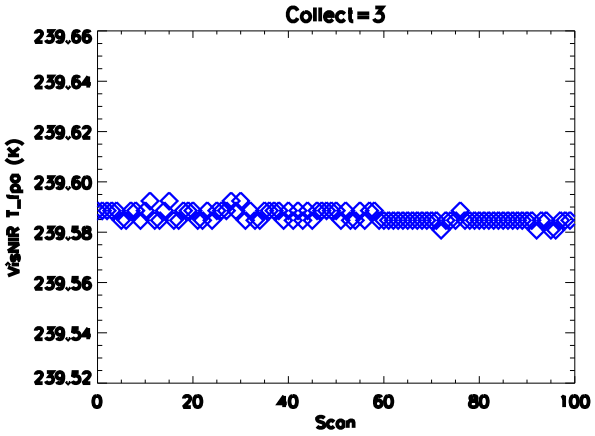

VisNIR T_fpa vs Scan and Collect
240.2
240.0
239.8
239.6
239.4
239.2
239.0
VisNIR T_fpa (K)
0
200
400
600
800
Collect*scan

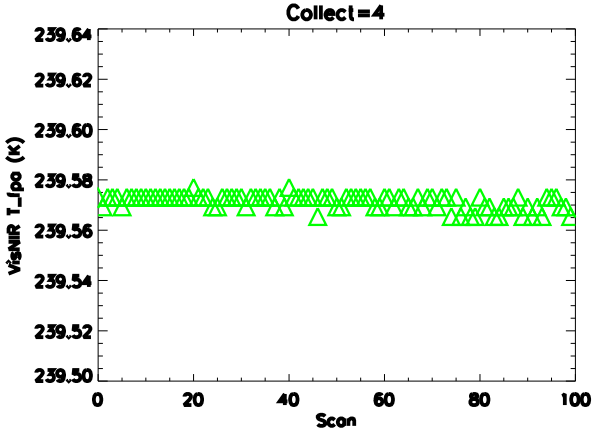

VisNIR T_fpa vs Time
240.2
240.0
239.8
239.6
239.4
239.2
239.0
VisNIR T_fpa (K)
−10
0
10
20
30
40
Time (min)

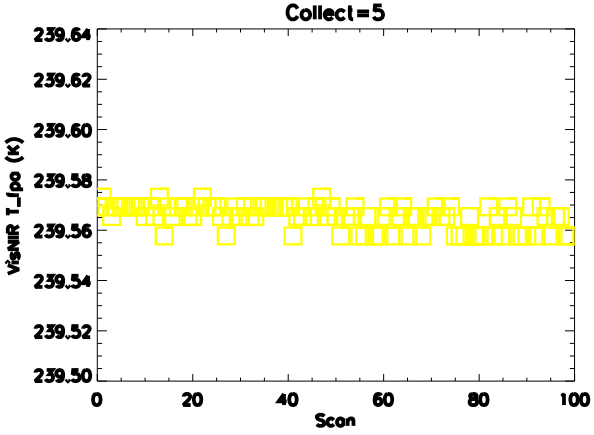
VisNIR T_fpa vs Scan

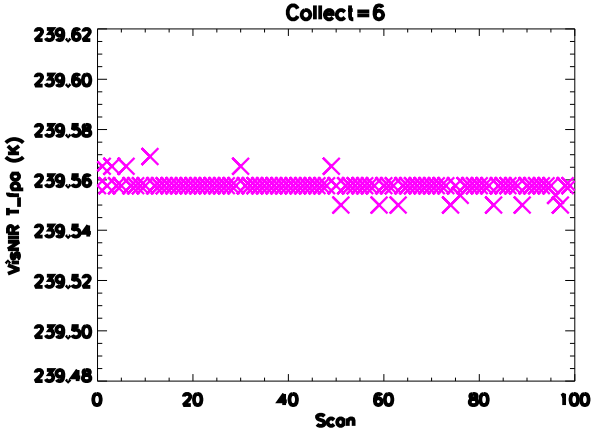


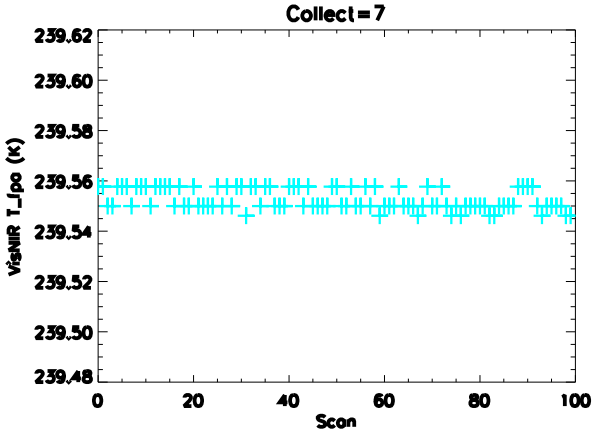


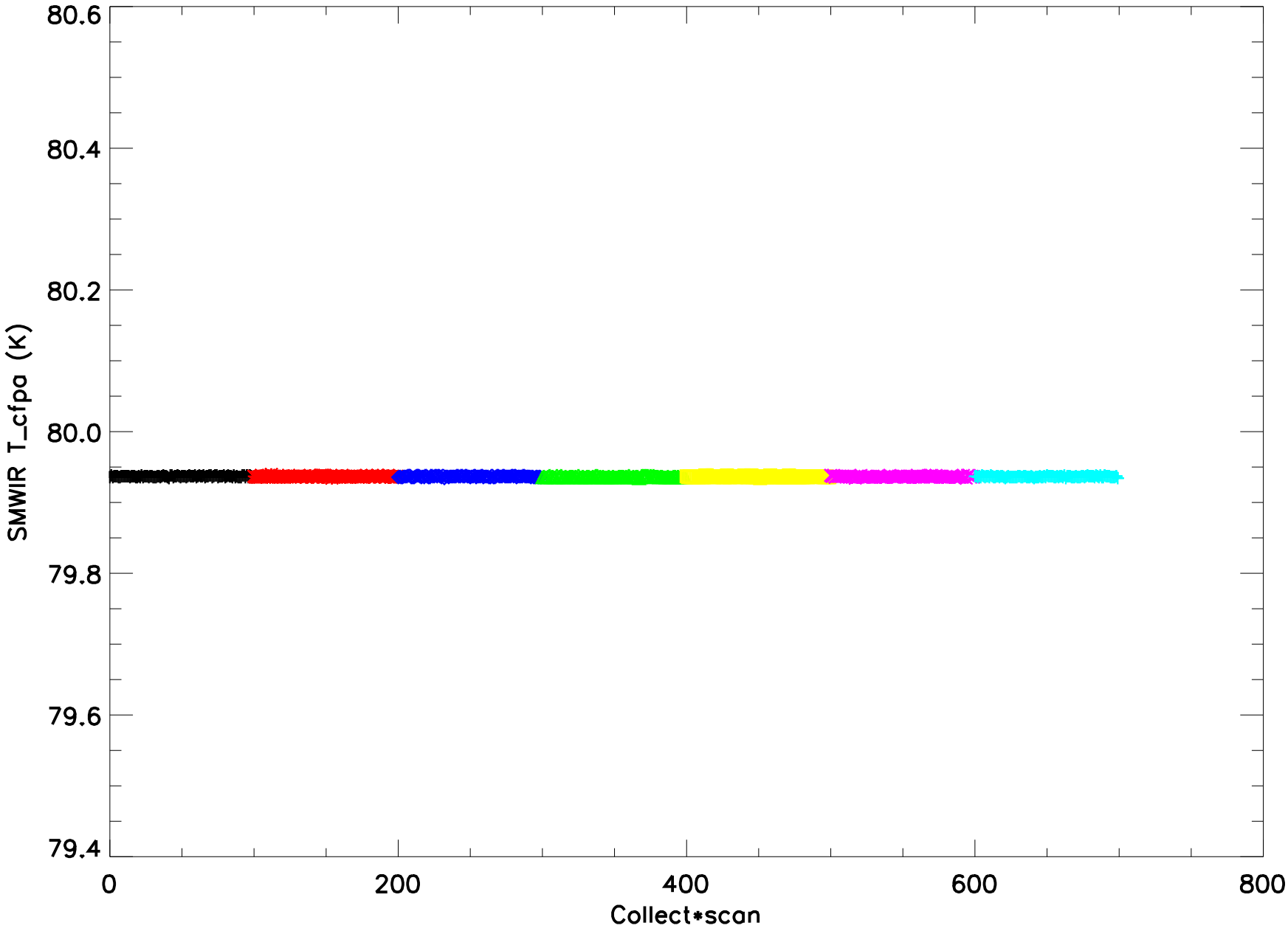


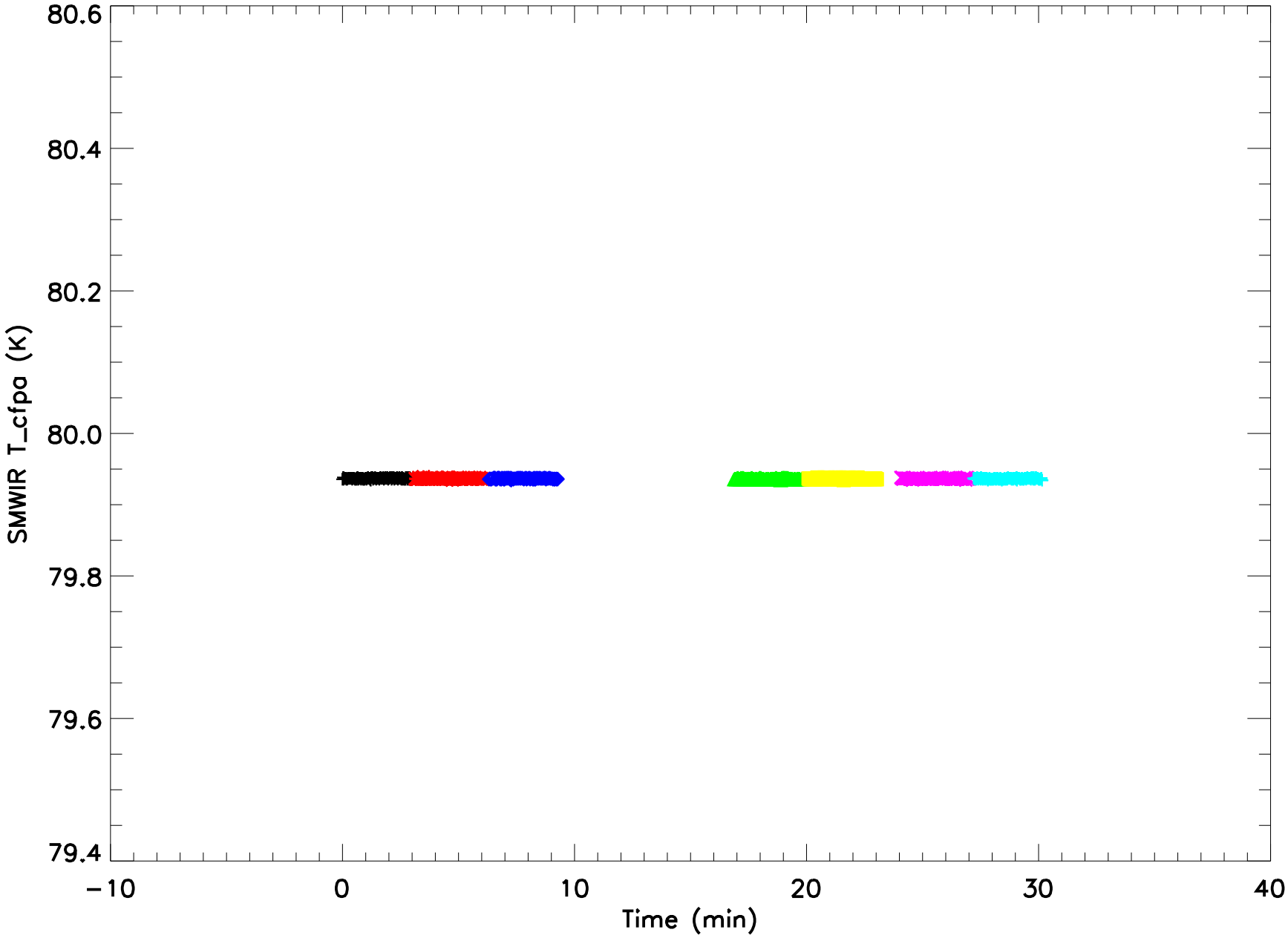




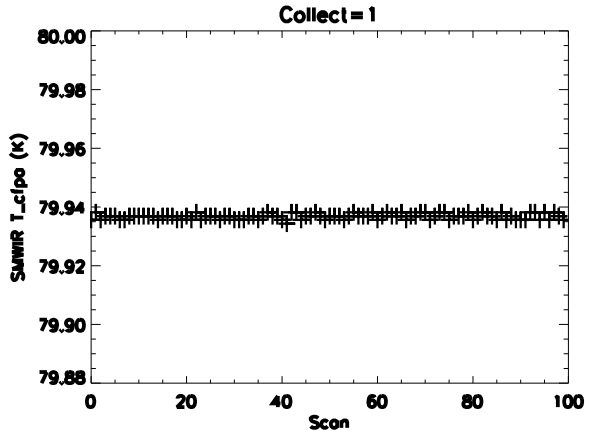


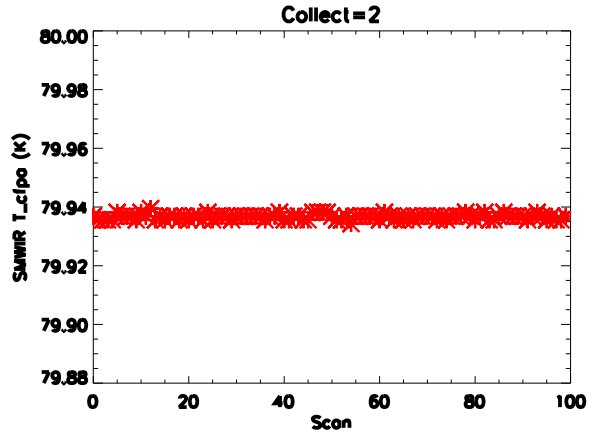


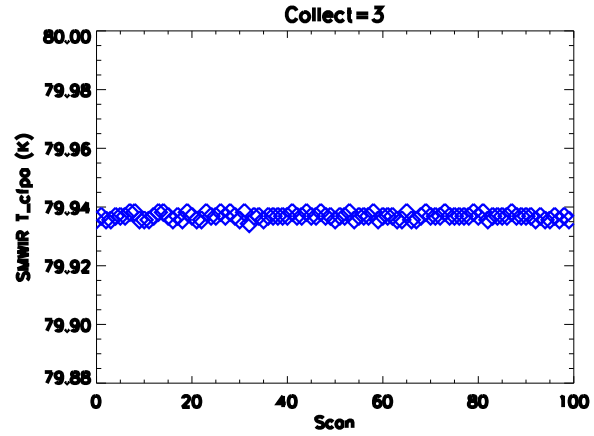

SMWIR T_cfpa vs Scan and Collect
80.6
80.4
80.2
80.0
79.8
79.6
79.4
SMWIR T_cfpa (K)
0
200
400
600
800
Collect*scan

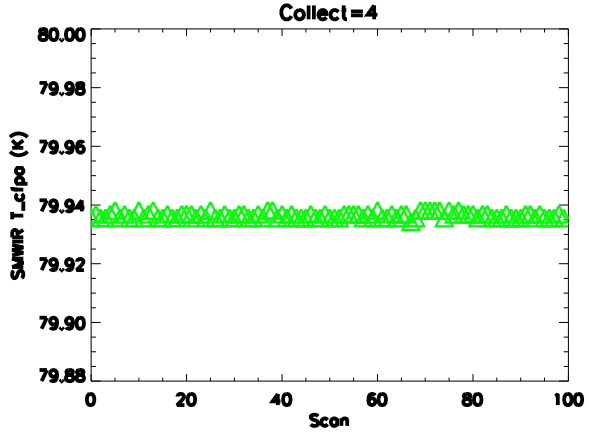

SMWIR T_cfpa vs Time
SMWIR T_cfpa (K)
80.6
80.4
80.2
80.0
79.8
79.6
79.4
−10
0
10
20
30
40
Time (min)

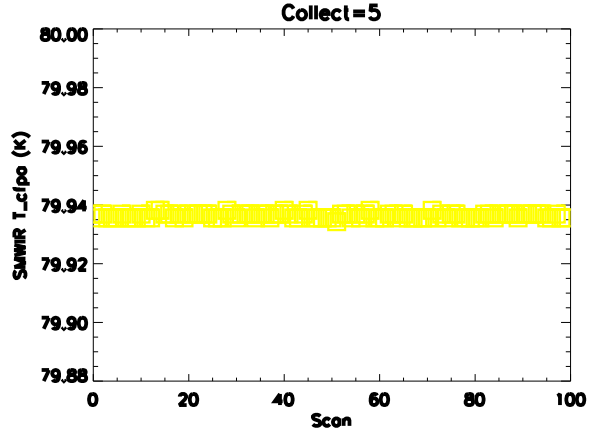
SMWIR T_cfpa vs Scan

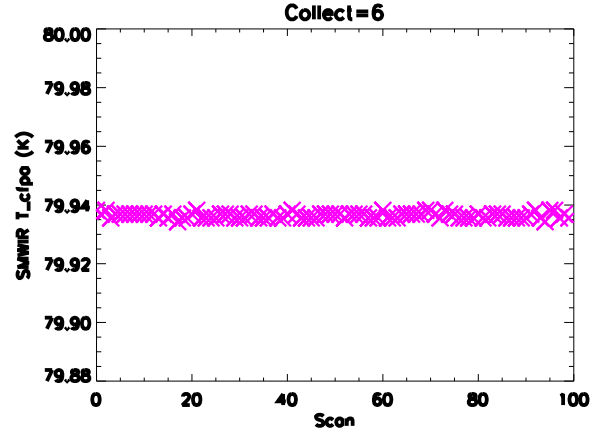


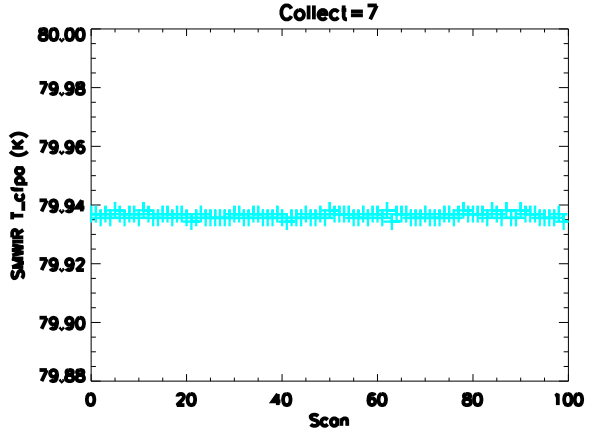


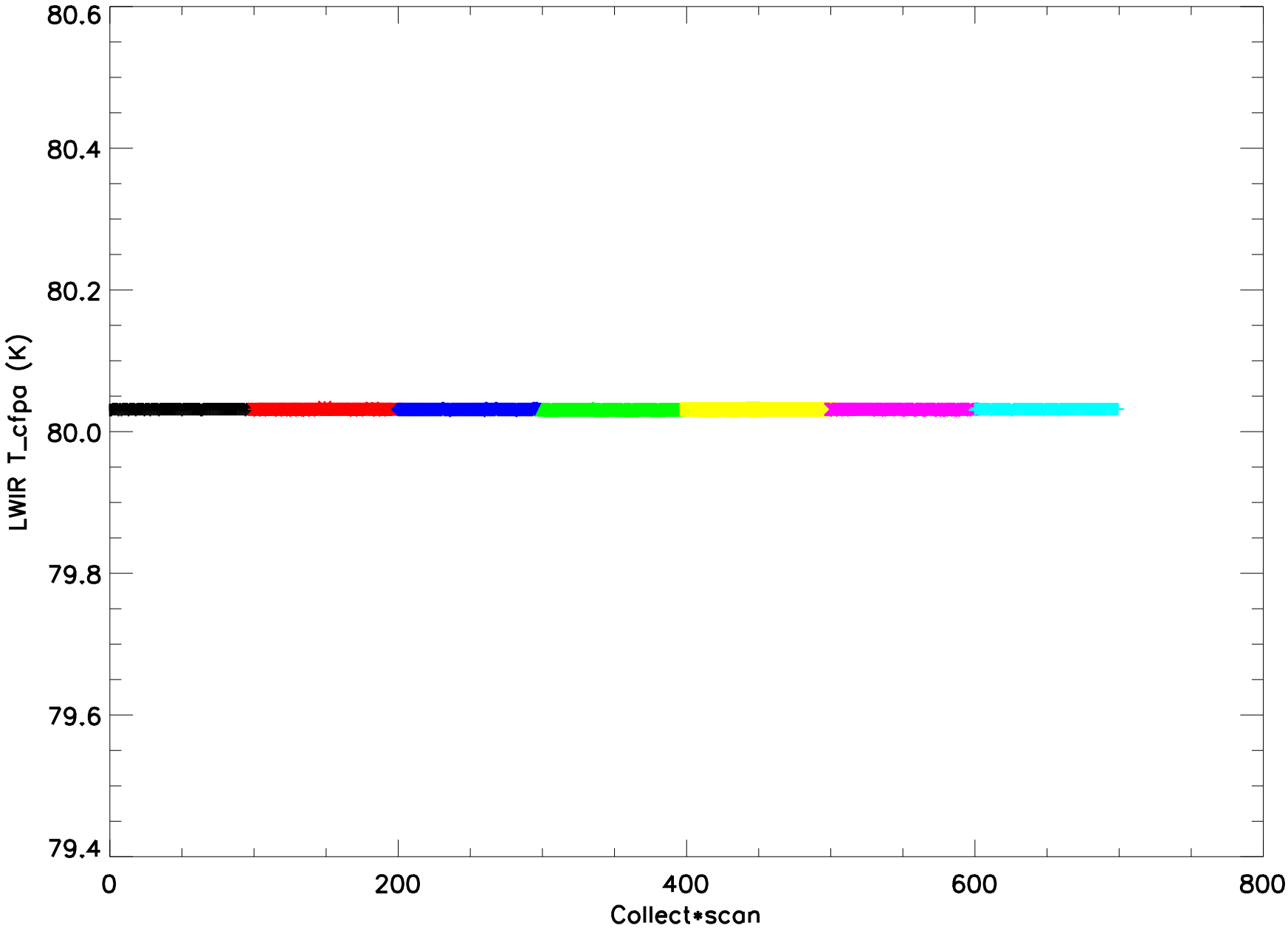


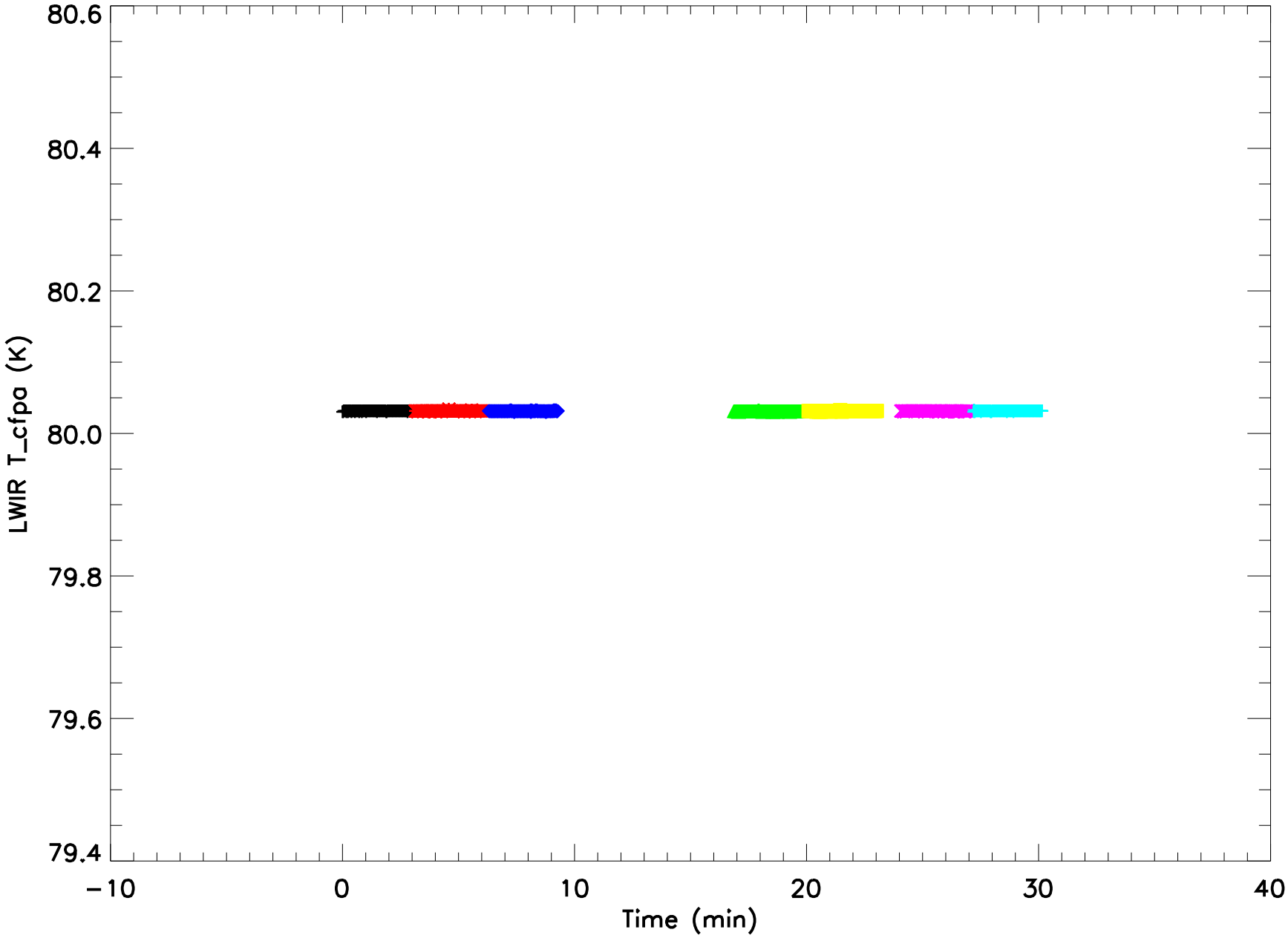




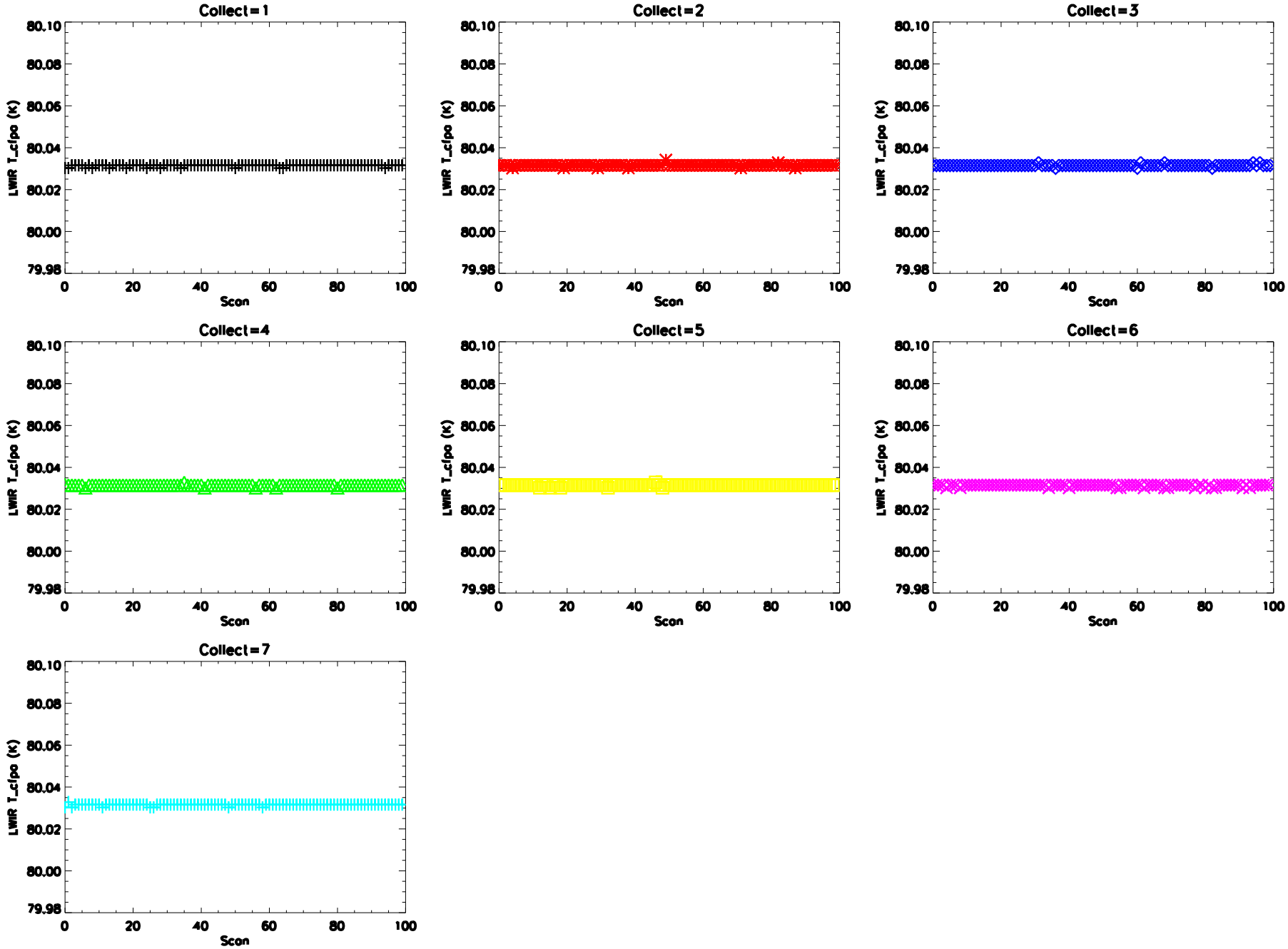


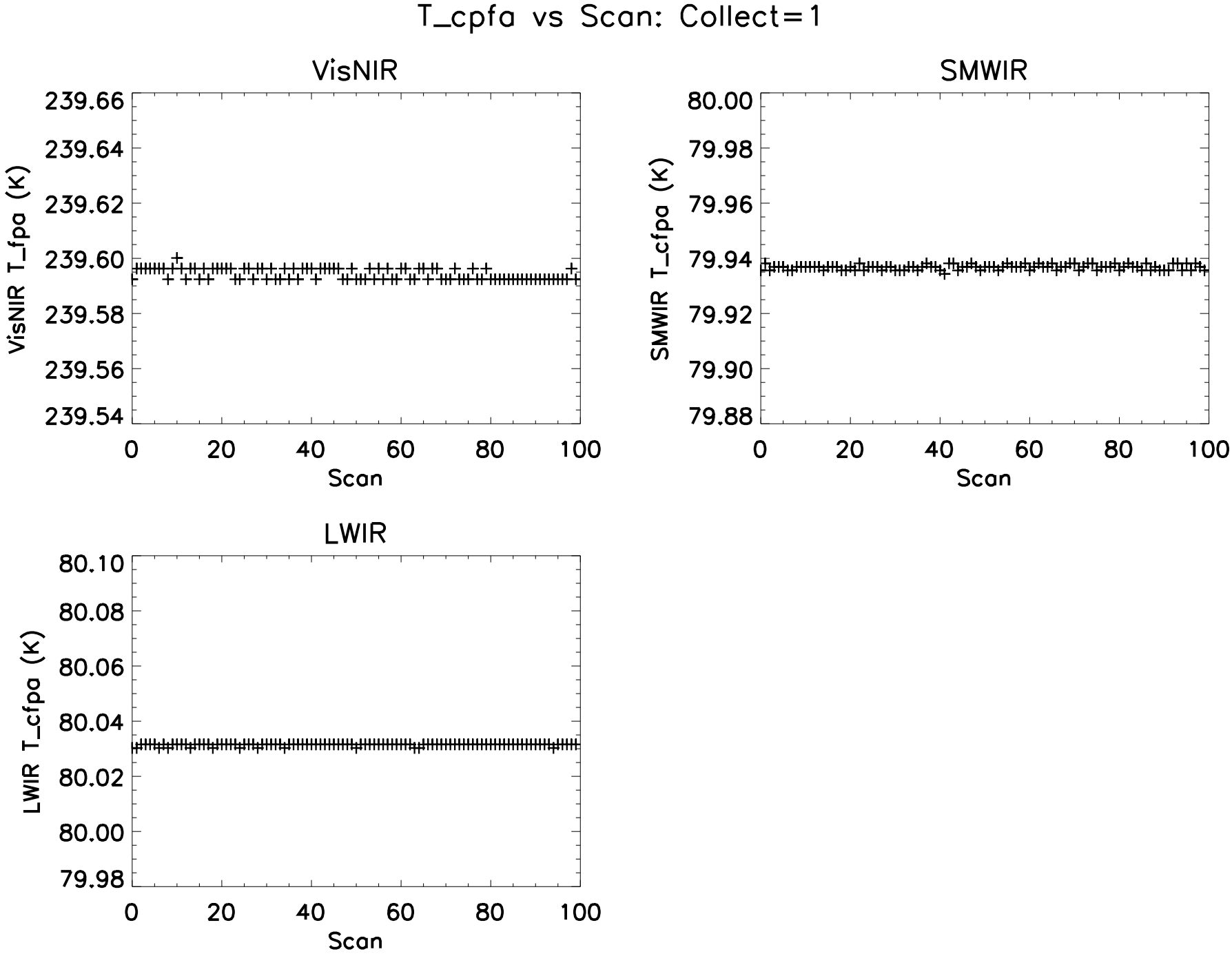


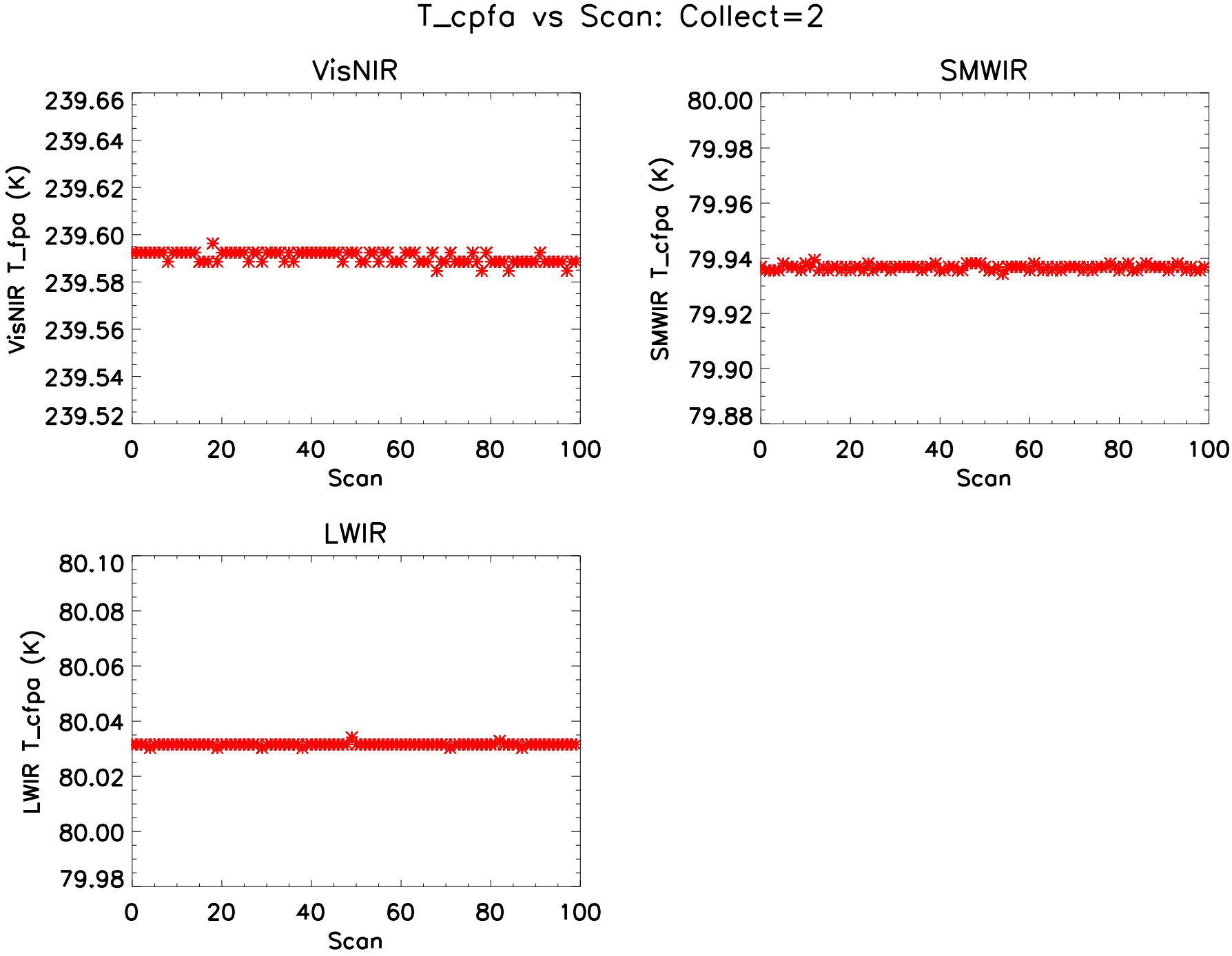

LWIR T_cfpa vs Scan and Collect
80.6
80.4
80.2
80.0
79.8
79.6
79.4
LWIR T_cfpa (K)
0
200
400
600
800
Collect*scan

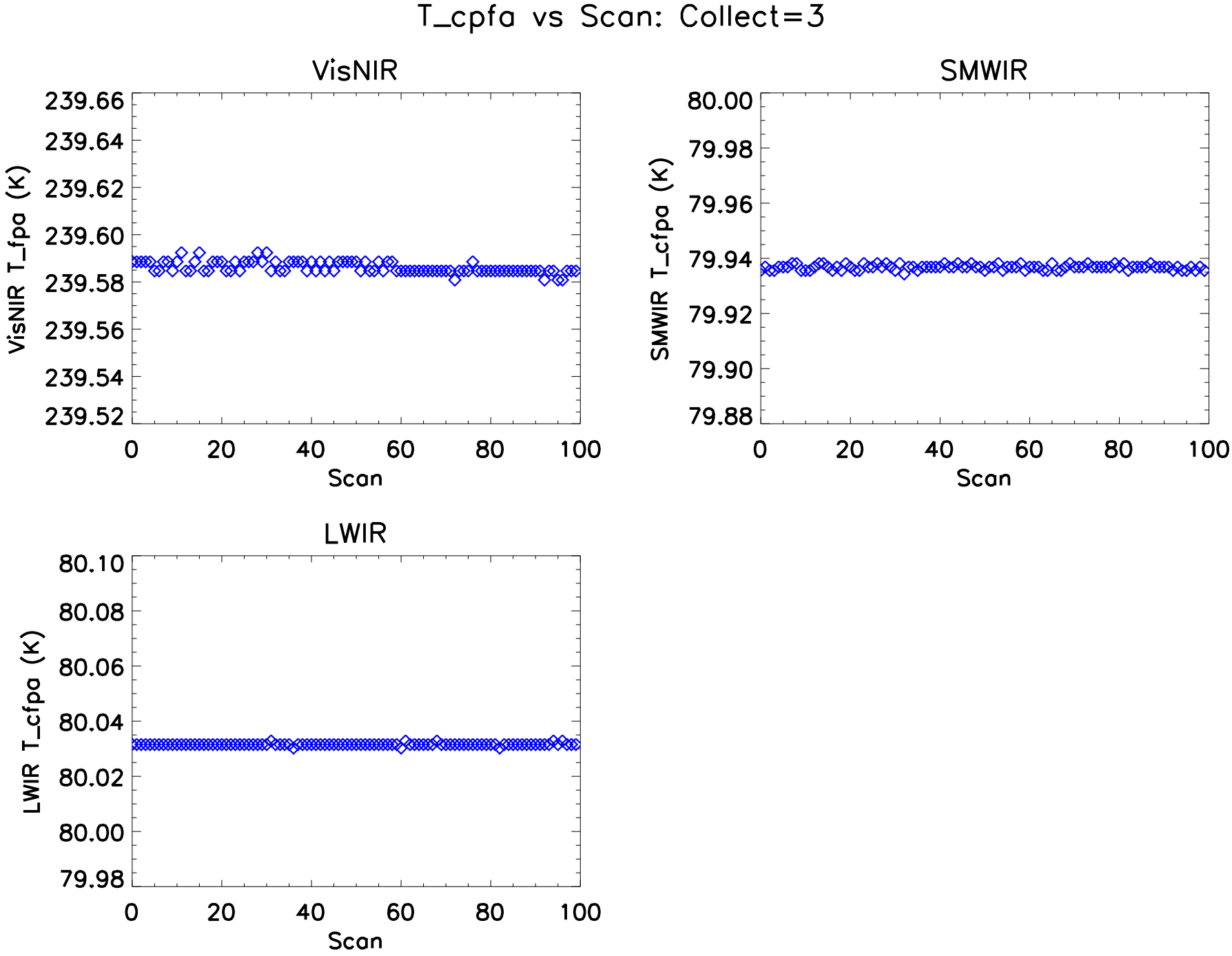

LWIR T_cfpa vs Time
LWIR T_cfpa (K)
80.6
80.4
80.2
80.0
79.8
79.6
79.4
−10
0
10
20
30
40
Time (min)

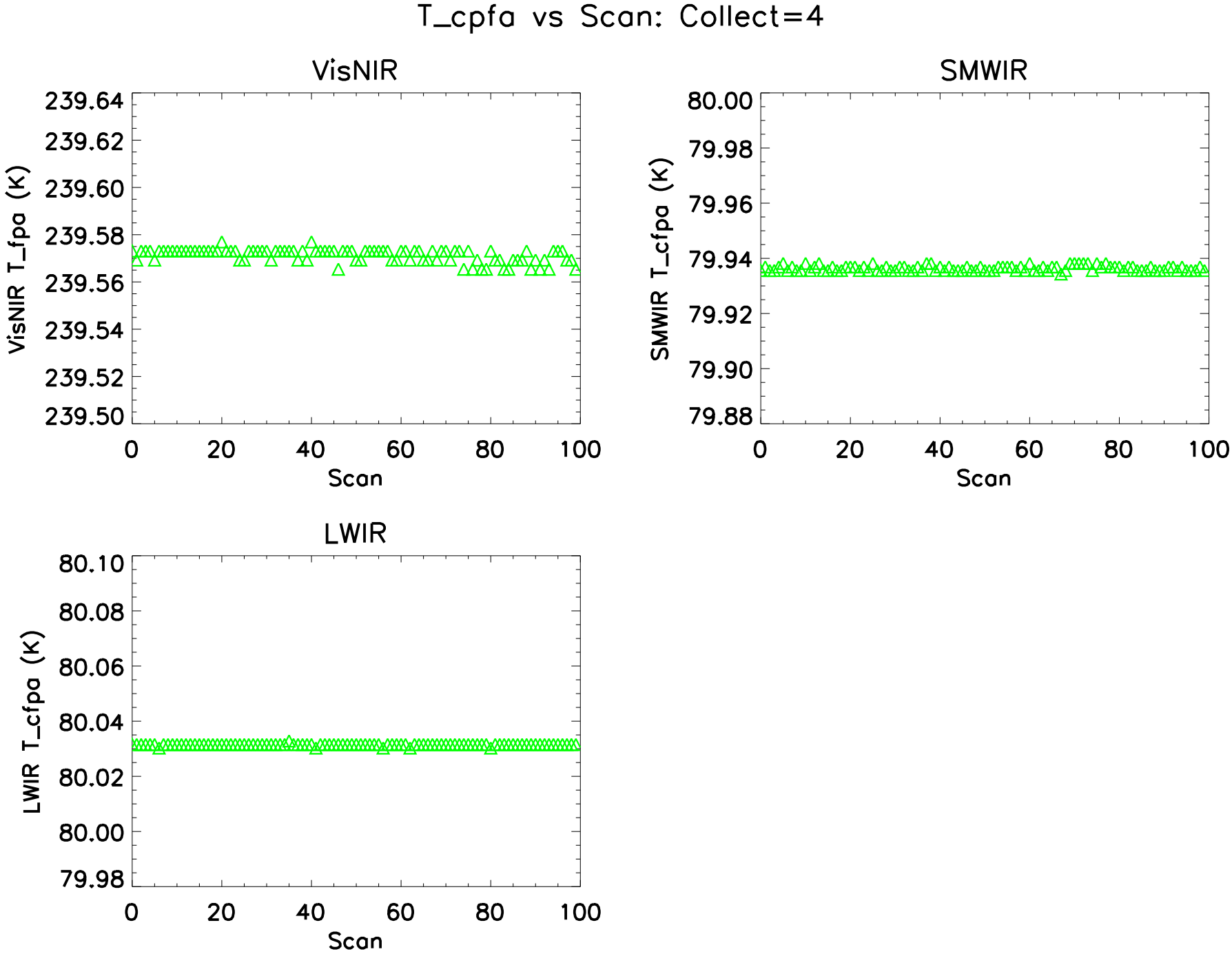
LWIR T_cfpa vs Scan

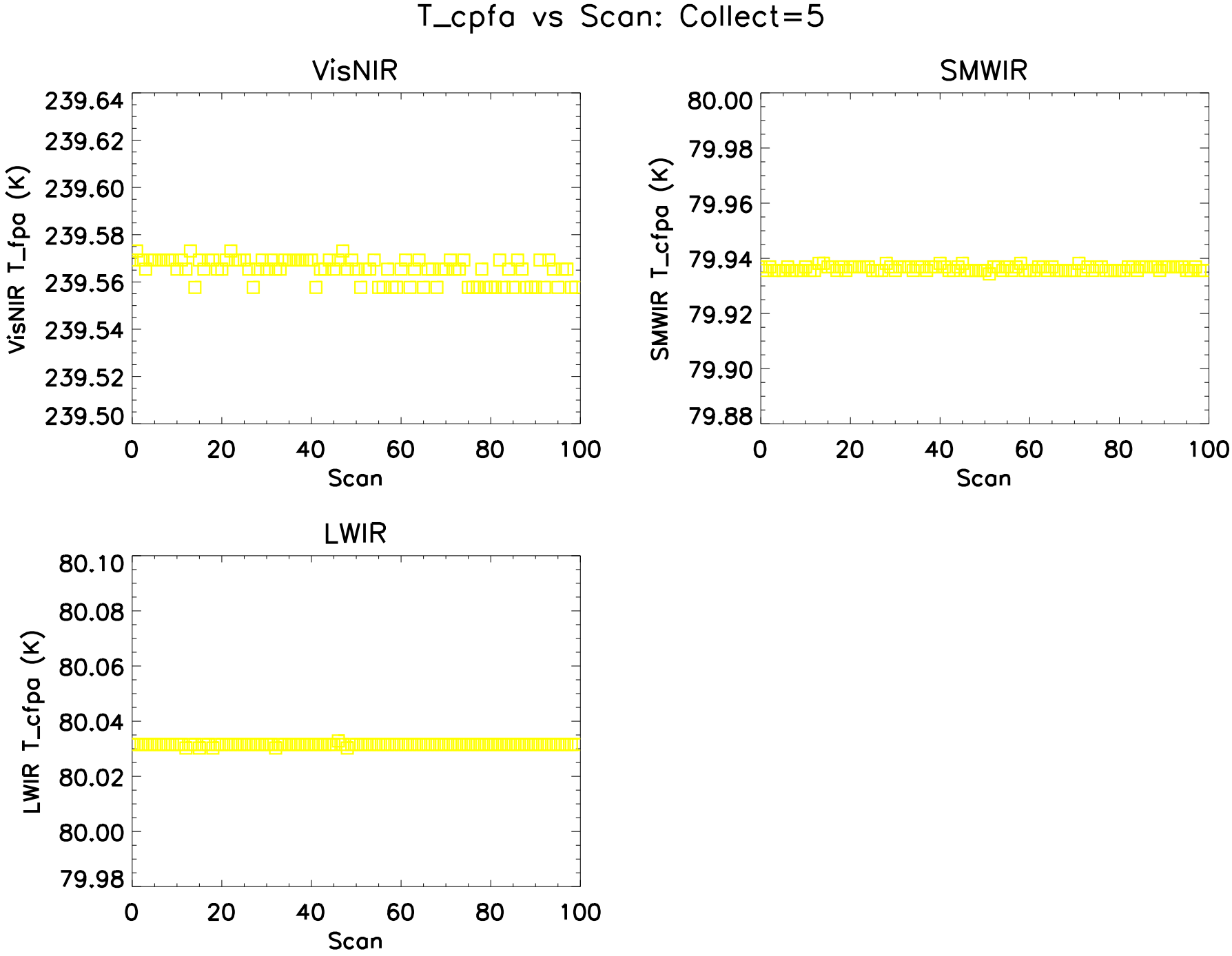


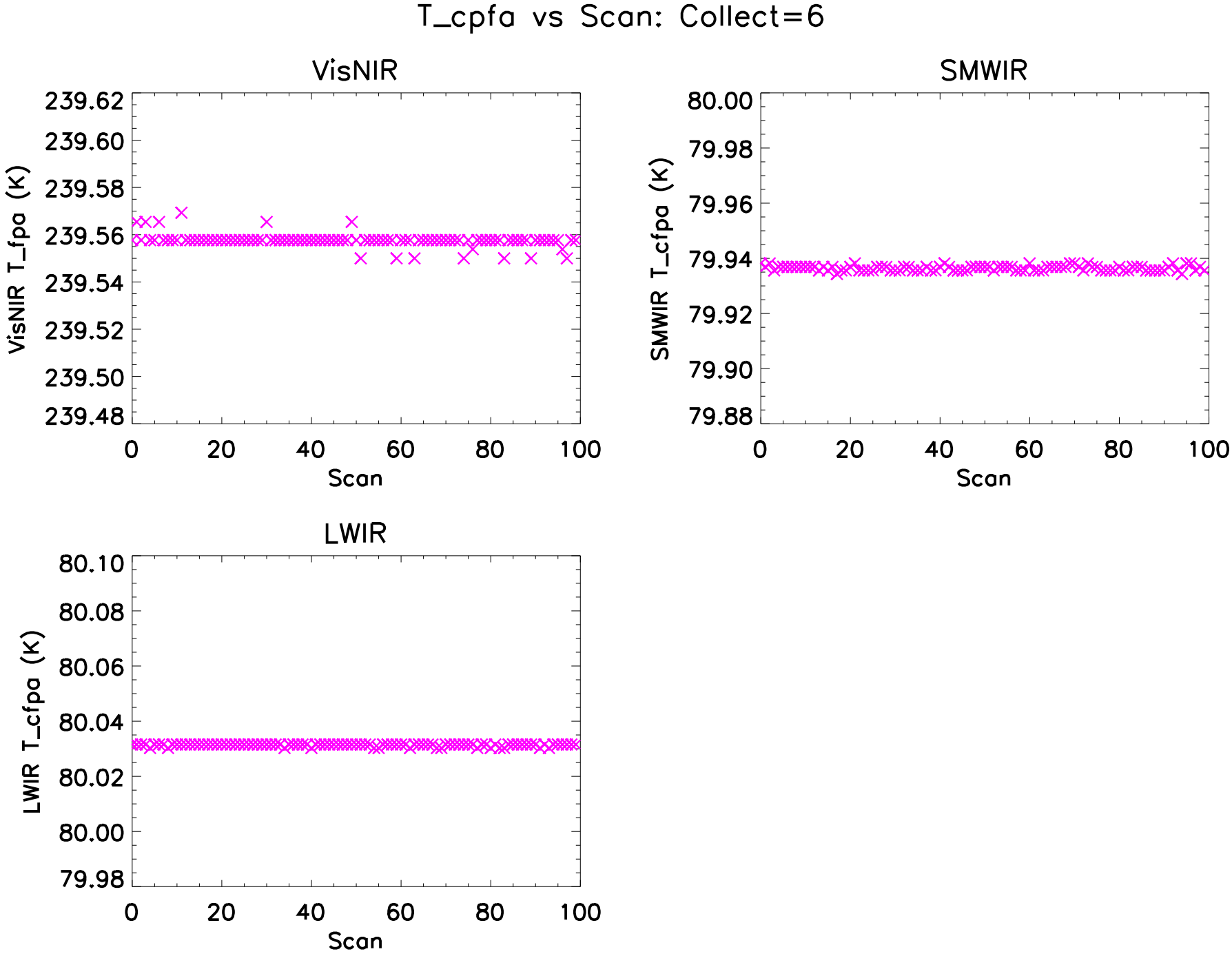

T_cpfa vs Scan: Collect=1
VisNIR
VisNIR T_fpa (K)
239.66
239.64
239.62
239.60
239.58
239.56
239.54
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
80.00
79.98
79.96
79.94
79.92
79.90
79.88
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
80.10
80.08
80.06
80.04
80.02
80.00
79.98
0
20
40
60
80
100
Scan

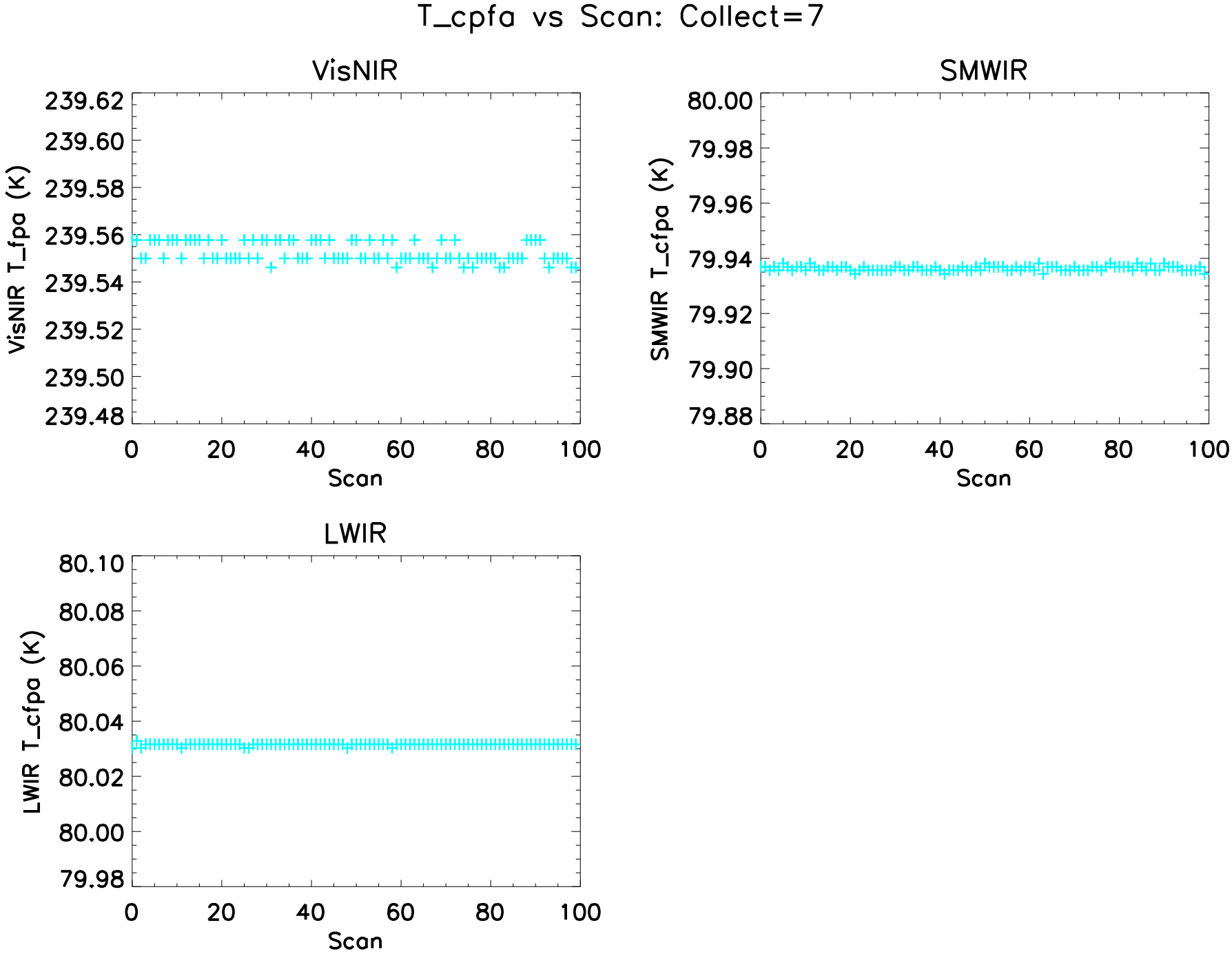

T_cpfa vs Scan: Collect=2
VisNIR
VisNIR T_fpa (K)
239.66
239.64
239.62
239.60
239.58
239.56
239.54
239.52
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
80.00
79.98
79.96
79.94
79.92
79.90
79.88
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
80.10
80.08
80.06
80.04
80.02
80.00
79.98
0
20
40
60
80
100
Scan

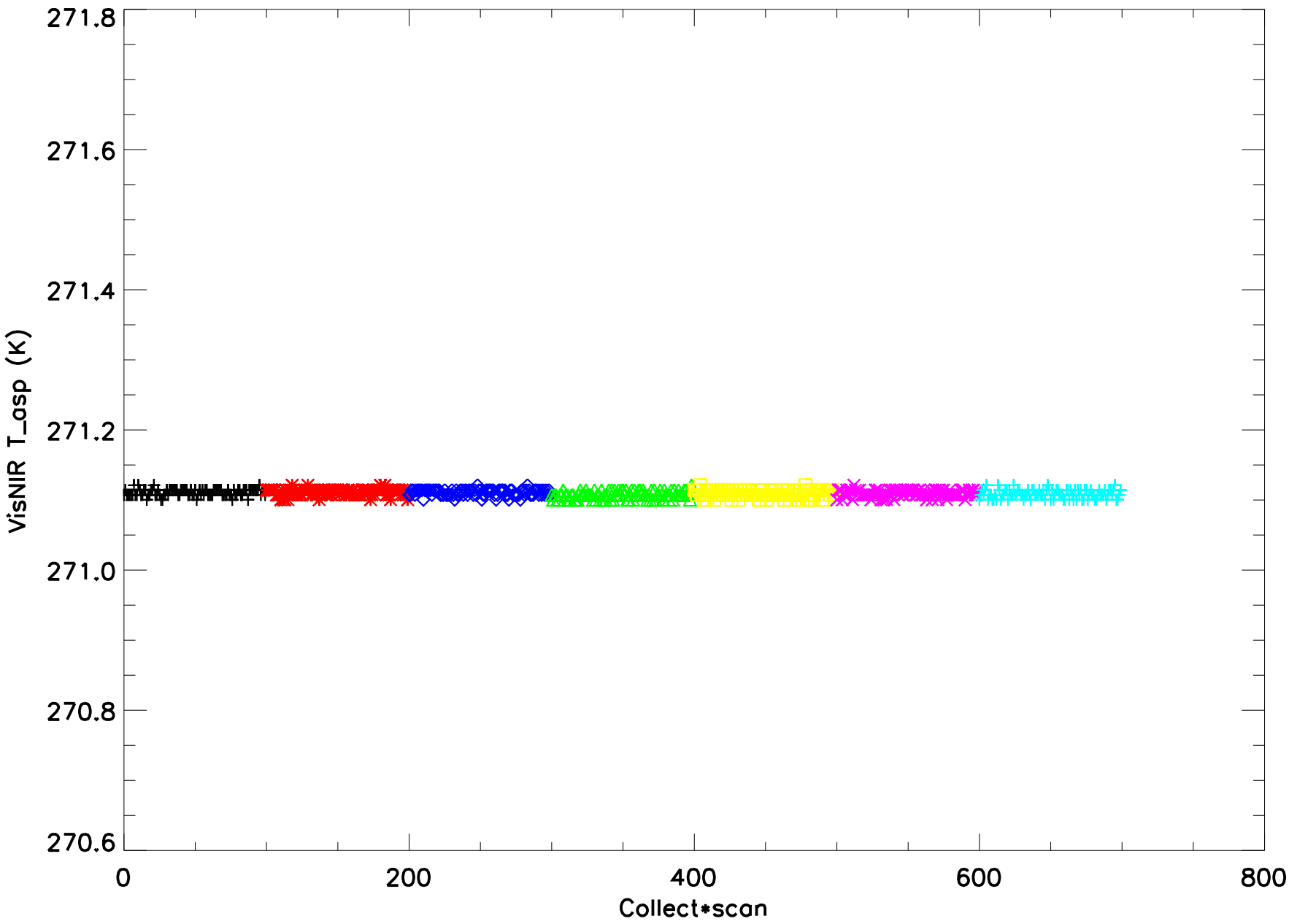

T_cpfa vs Scan: Collect=3
VisNIR
VisNIR T_fpa (K)
239.66
239.64
239.62
239.60
239.58
239.56
239.54
239.52
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
80.00
79.98
79.96
79.94
79.92
79.90
79.88
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
80.10
80.08
80.06
80.04
80.02
80.00
79.98
0
20
40
60
80
100
Scan

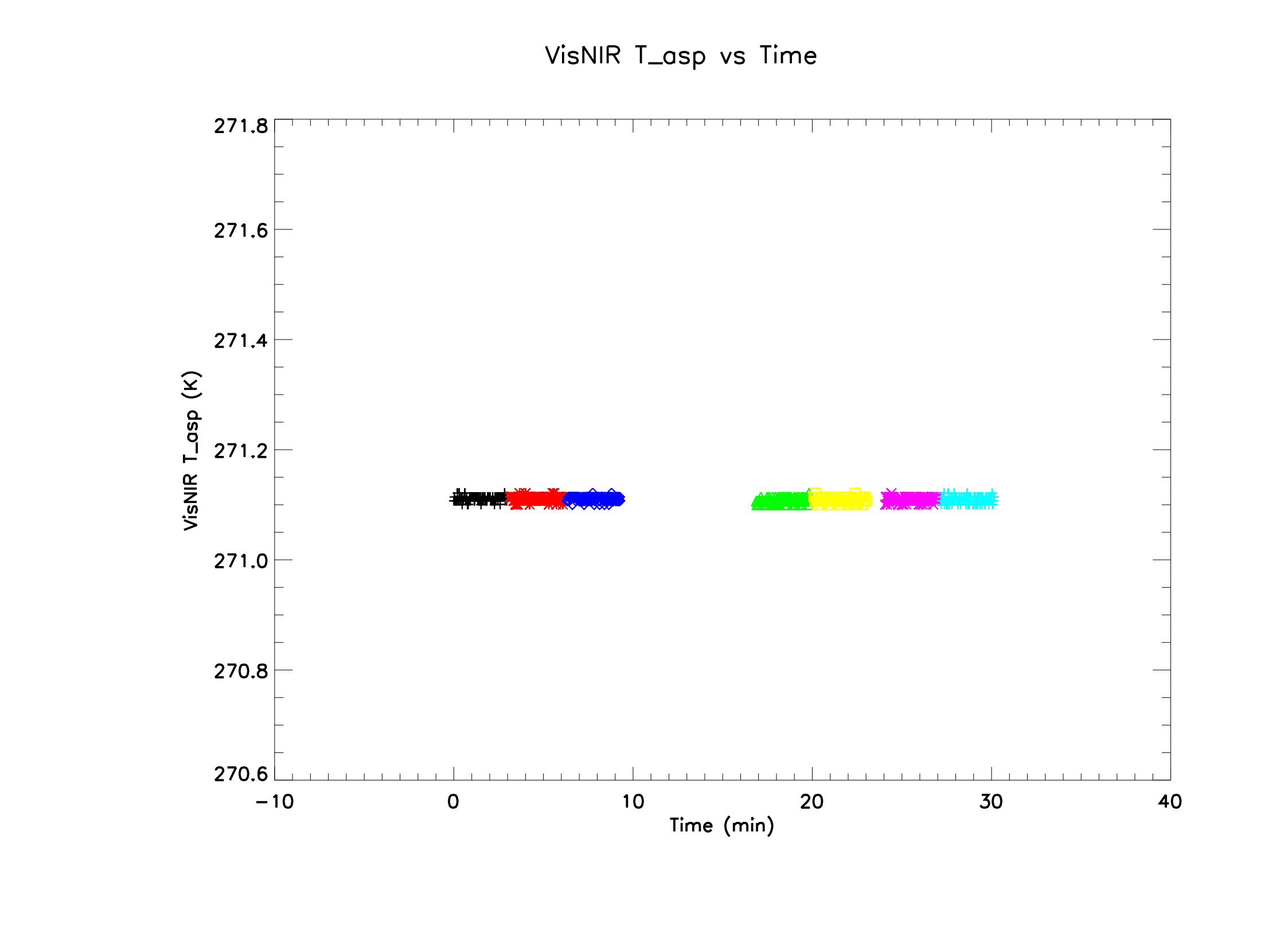

T_cpfa vs Scan: Collect=4
VisNIR
VisNIR T_fpa (K)
239.64
239.62
239.60
239.58
239.56
239.54
239.52
239.50
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
80.00
79.98
79.96
79.94
79.92
79.90
79.88
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
80.10
80.08
80.06
80.04
80.02
80.00
79.98
0
20
40
60
80
100
Scan


T_cpfa vs Scan: Collect=5
VisNIR
VisNIR T_fpa (K)
239.64
239.62
239.60
239.58
239.56
239.54
239.52
239.50
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
80.00
79.98
79.96
79.94
79.92
79.90
79.88
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
80.10
80.08
80.06
80.04
80.02
80.00
79.98
0
20
40
60
80
100
Scan

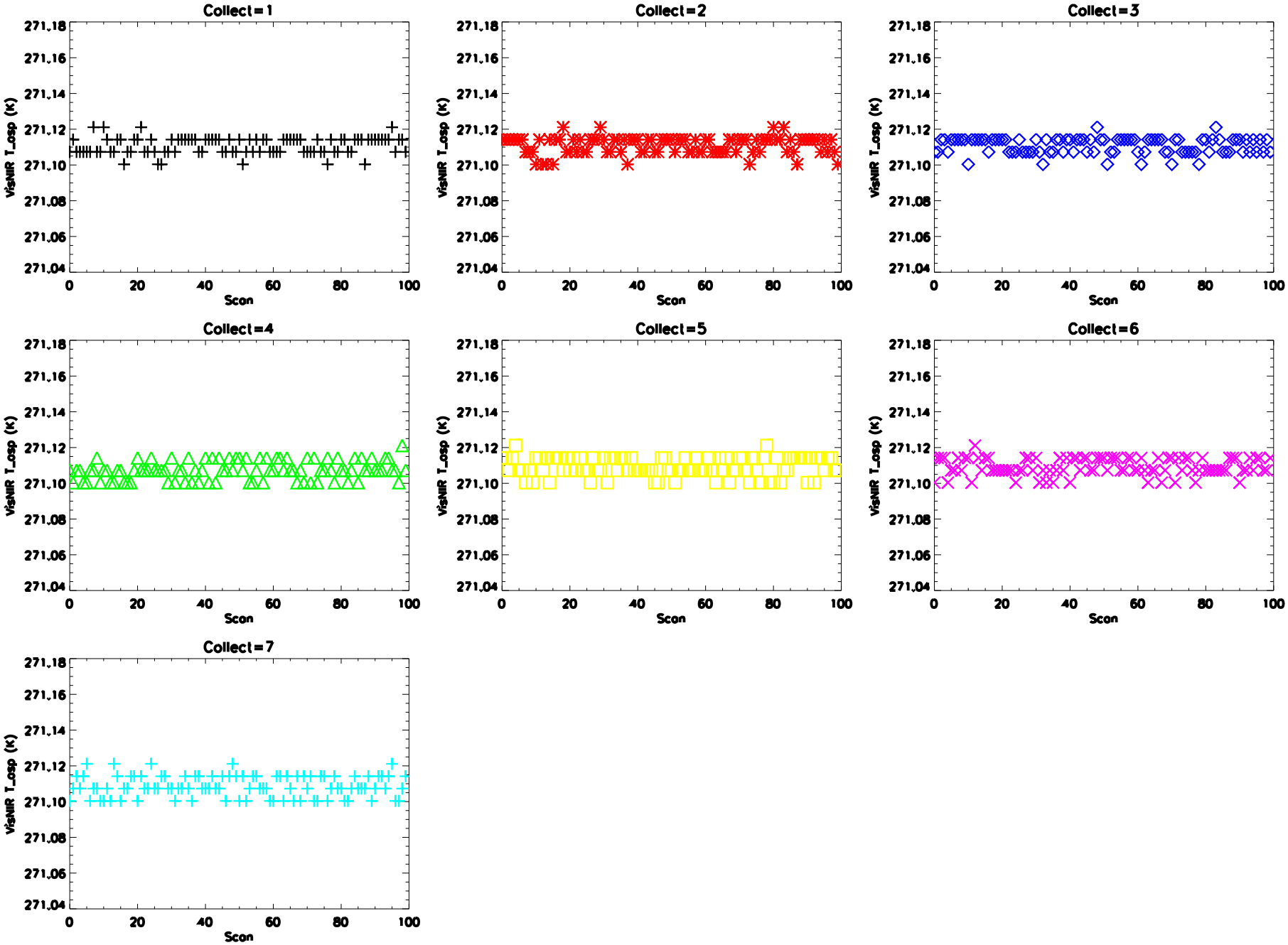

T_cpfa vs Scan: Collect=6
VisNIR
VisNIR T_fpa (K)
239.62
239.60
239.58
239.56
239.54
239.52
239.50
239.48
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
80.00
79.98
79.96
79.94
79.92
79.90
79.88
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
80.10
80.08
80.06
80.04
80.02
80.00
79.98
0
20
40
60
80
100
Scan

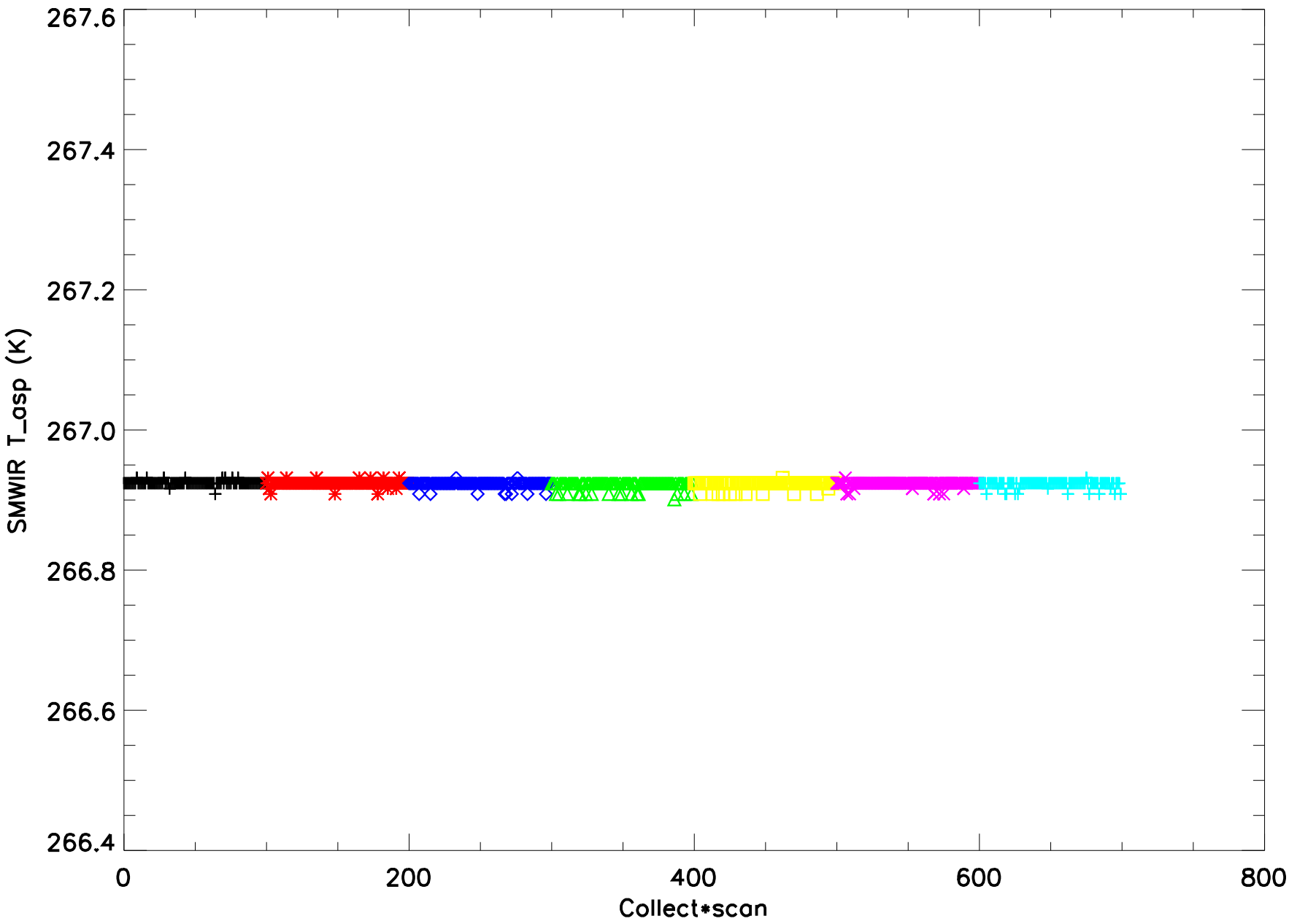

T_cpfa vs Scan: Collect=7
VisNIR
VisNIR T_fpa (K)
239.62
239.60
239.58
239.56
239.54
239.52
239.50
239.48
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
80.00
79.98
79.96
79.94
79.92
79.90
79.88
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
80.10
80.08
80.06
80.04
80.02
80.00
79.98
0
20
40
60
80
100
Scan

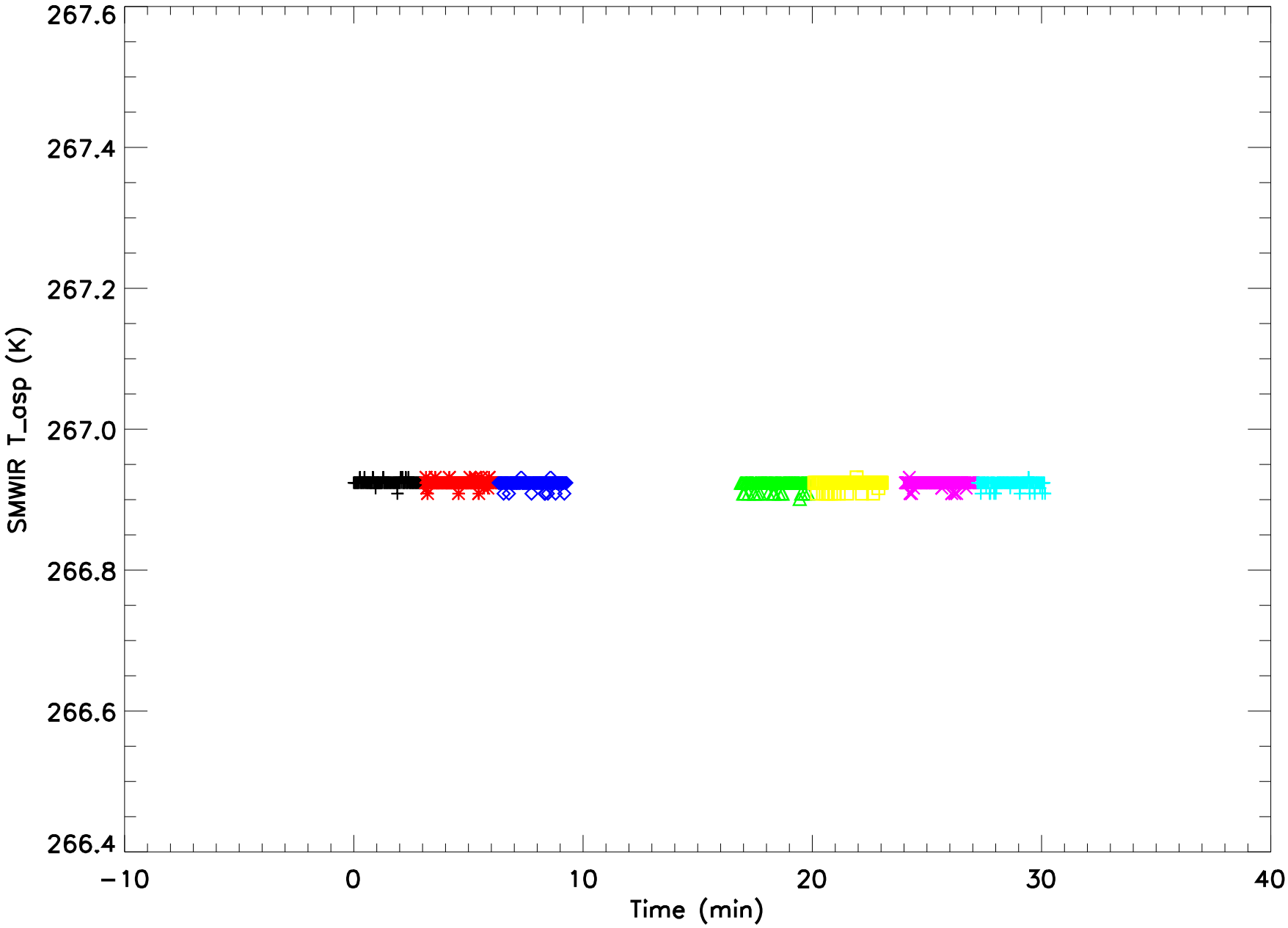

VisNIR T_asp vs Scan and Collect
271.8
271.6
271.4
271.2
271.0
270.8
270.6
VisNIR T_asp (K)
0
200
400
600
800
Collect*scan


VisNIR T_asp vs Time
VisNIR T_asp (K)
271.8
271.6
271.4
271.2
271.0
270.8
270.6
−10
0
10
20
30
40
Time (min)

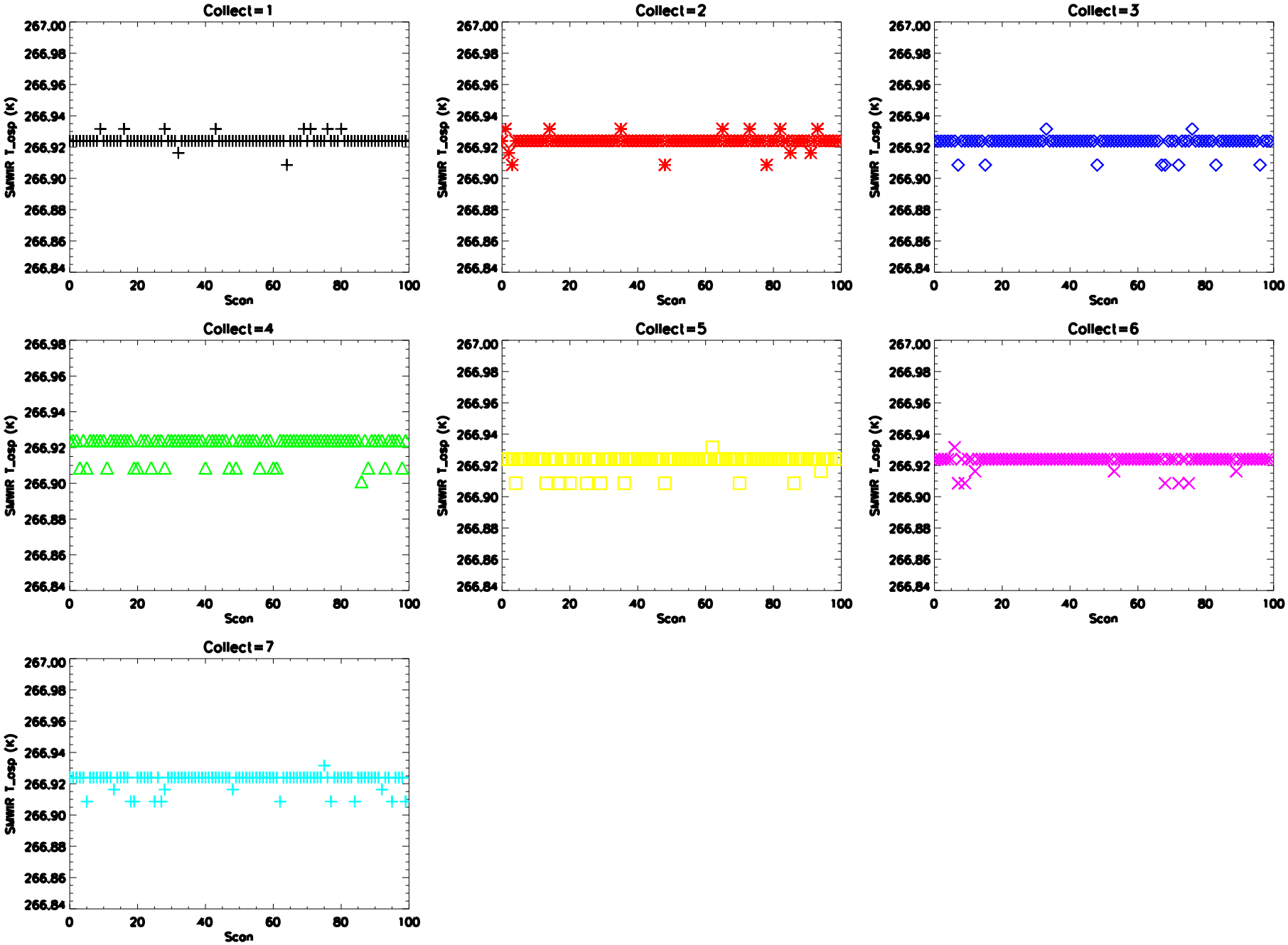
VisNIR T_asp vs Scan

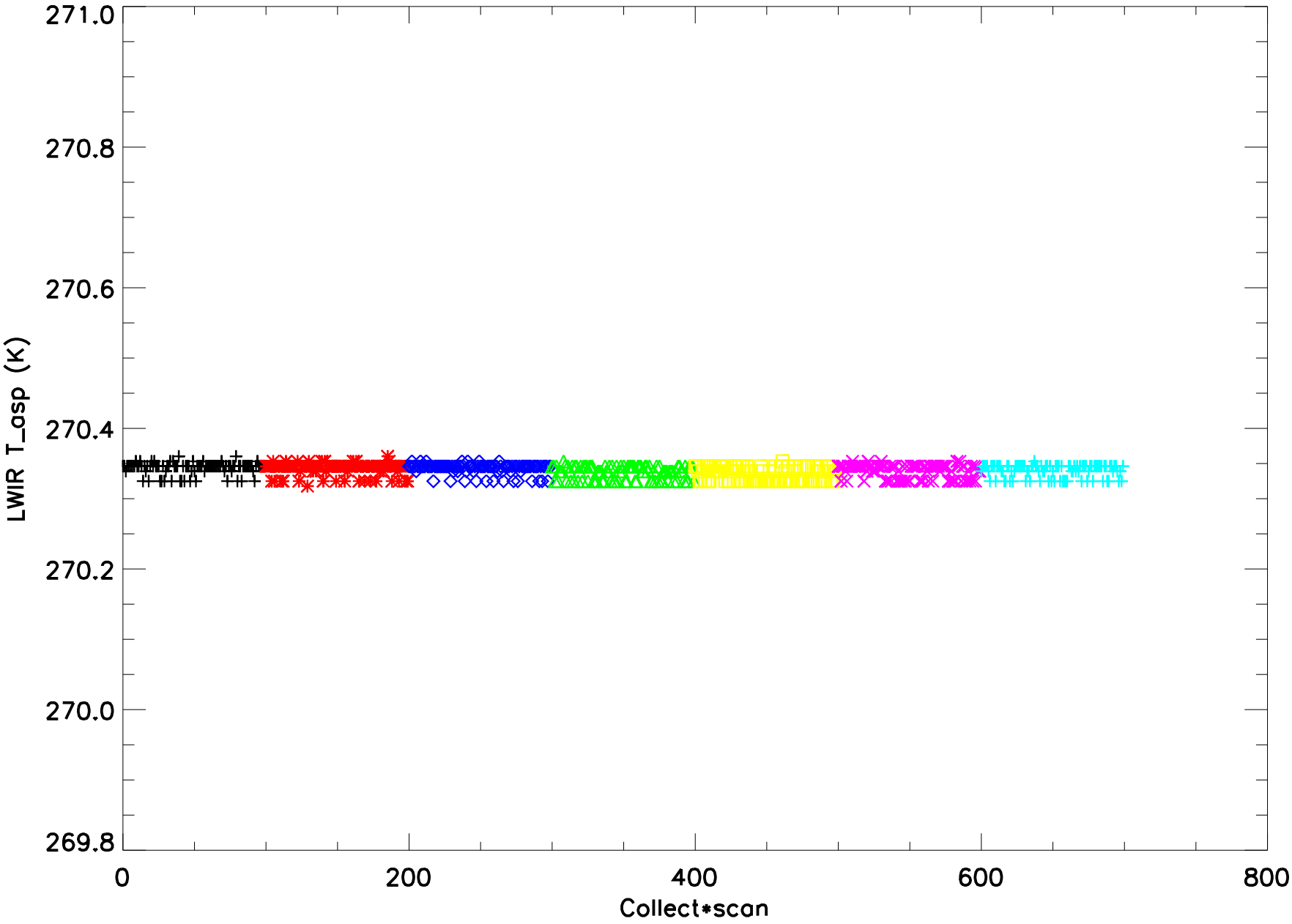


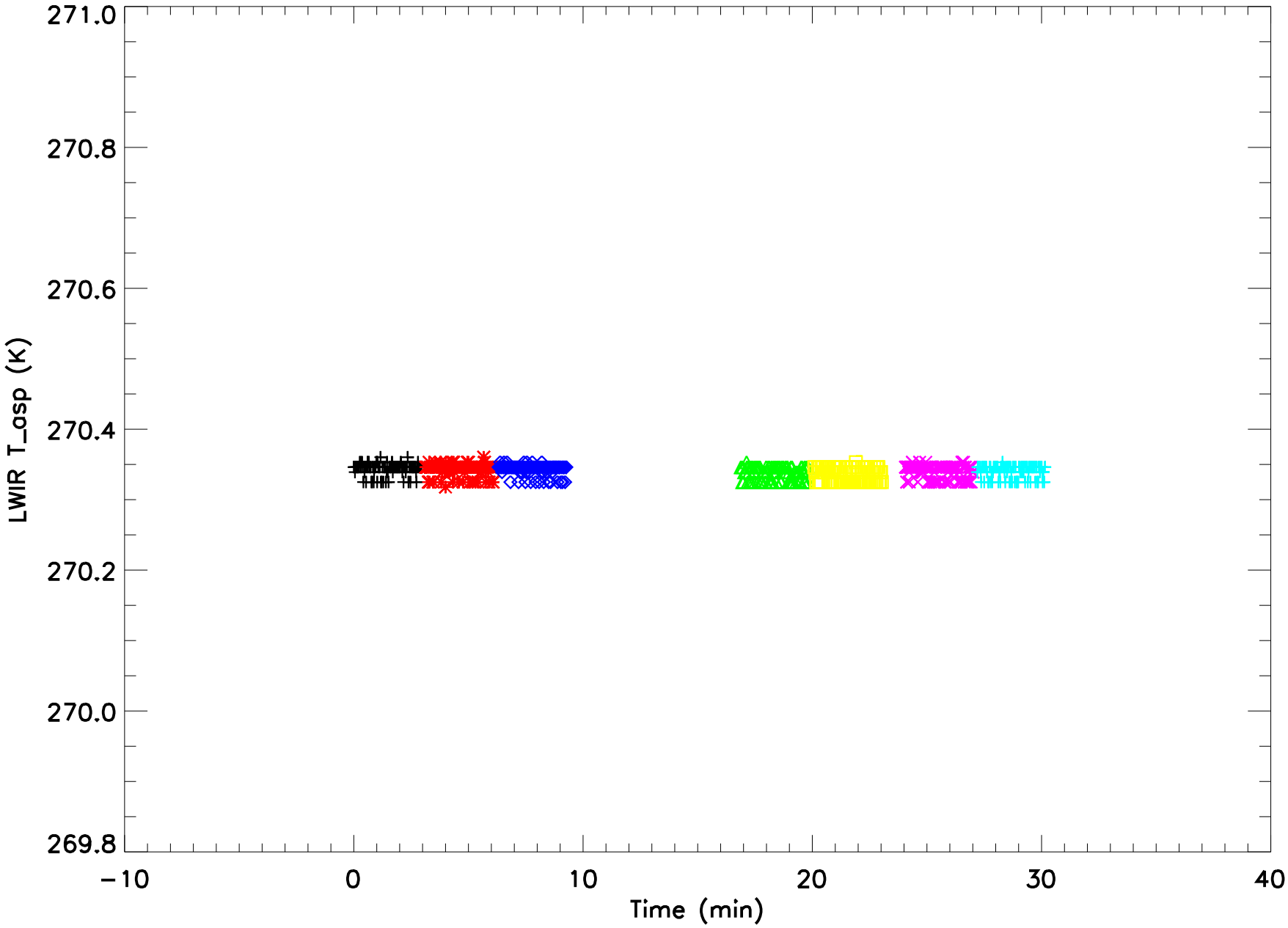

SMWIR T_asp vs Scan and Collect
SMWIR T_asp (K)
267.6
267.4
267.2
267.0
266.8
266.6
266.4
0
200
400
600
800
Collect*scan


SMWIR T_asp vs Time
SMWIR T_asp (K)
267.6
267.4
267.2
267.0
266.8
266.6
266.4
−10
0
10
20
30
40
Time (min)

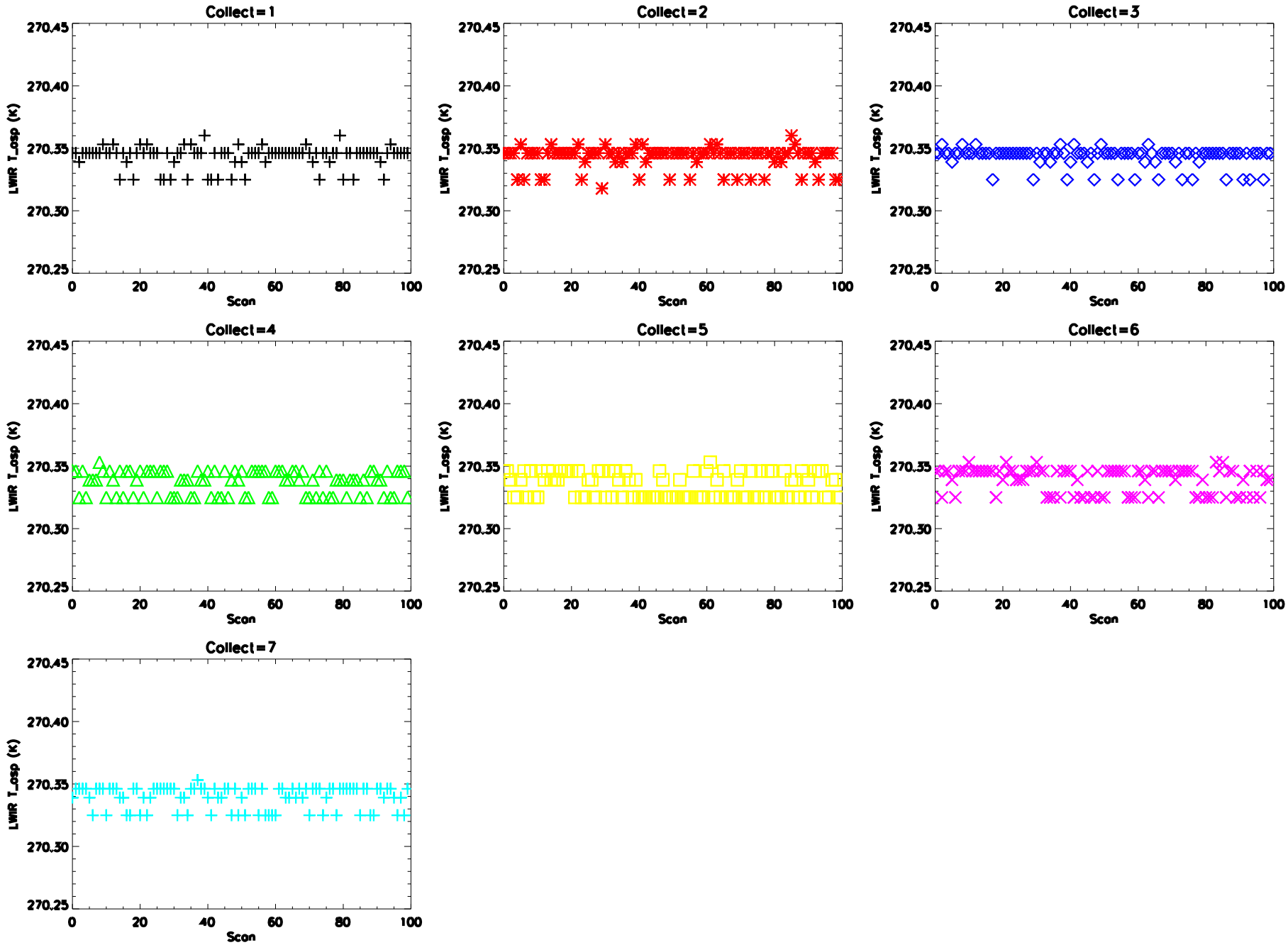
SMWIR T_asp vs Scan

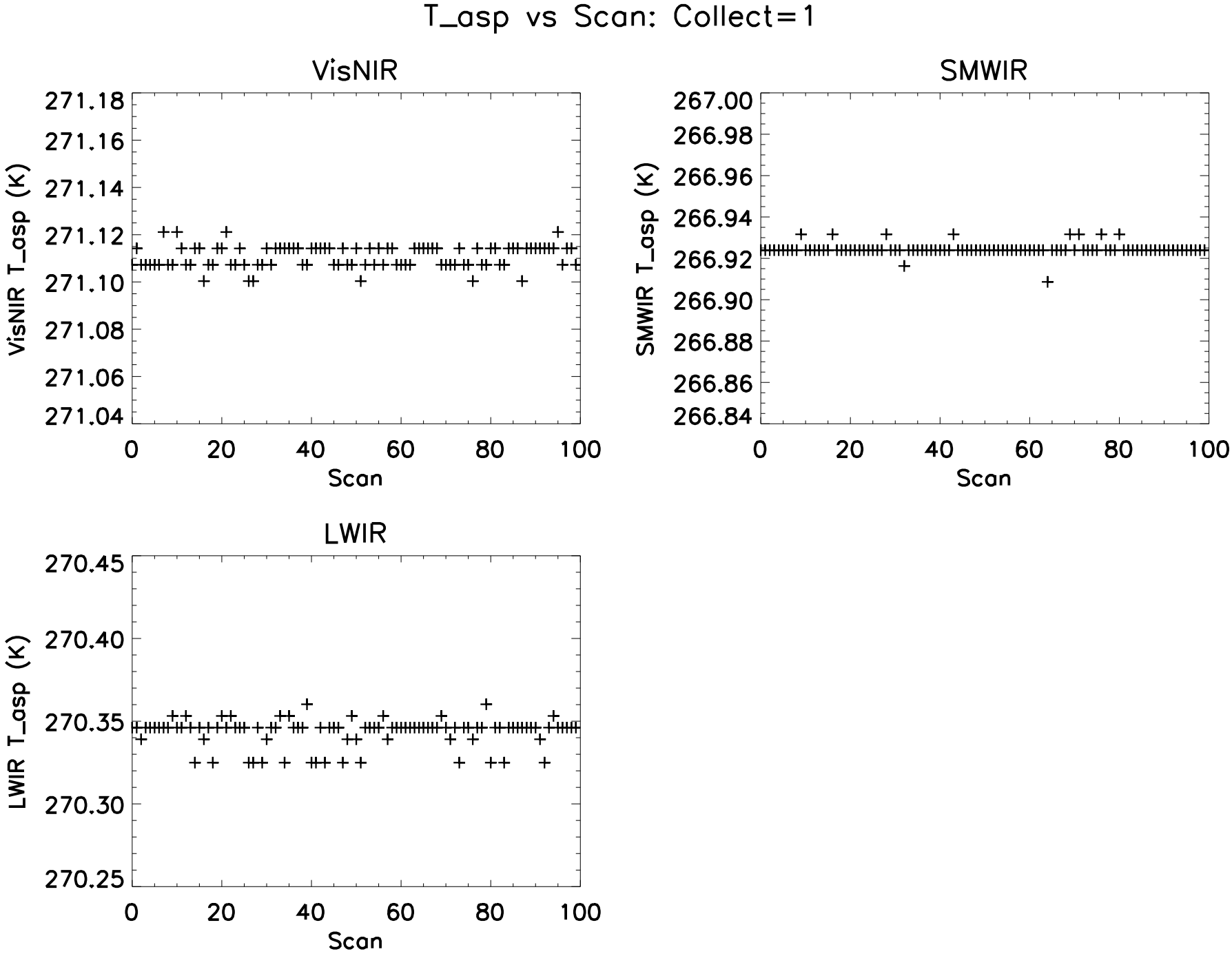


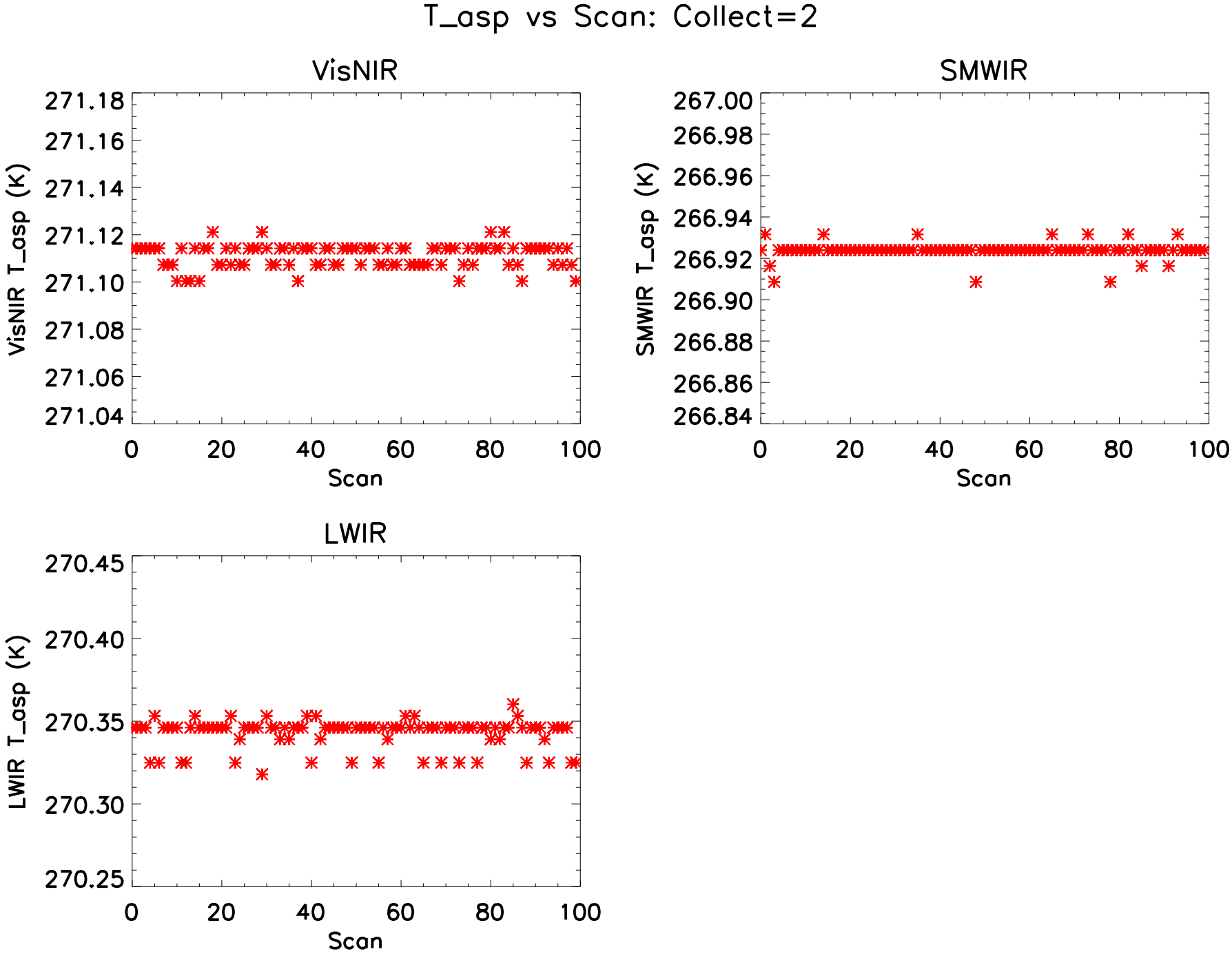

LWIR T_asp vs Scan and Collect
271.0
270.8
270.6
270.4
270.2
270.0
269.8
LWIR T_asp (K)
0
200
400
600
800
Collect*scan

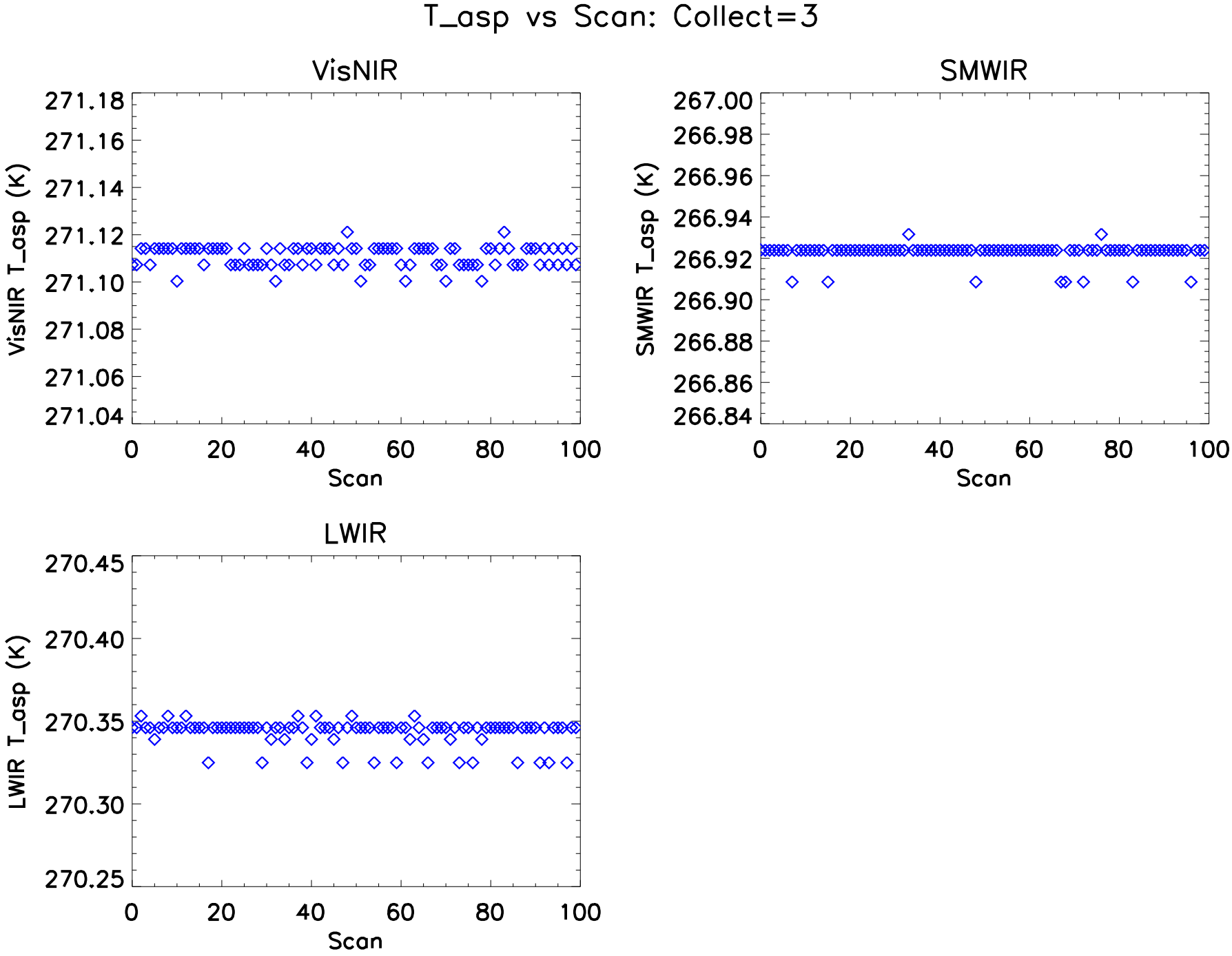

LWIR T_asp vs Time
LWIR T_asp (K)
271.0
270.8
270.6
270.4
270.2
270.0
269.8
−10
0
10
20
30
40
Time (min)

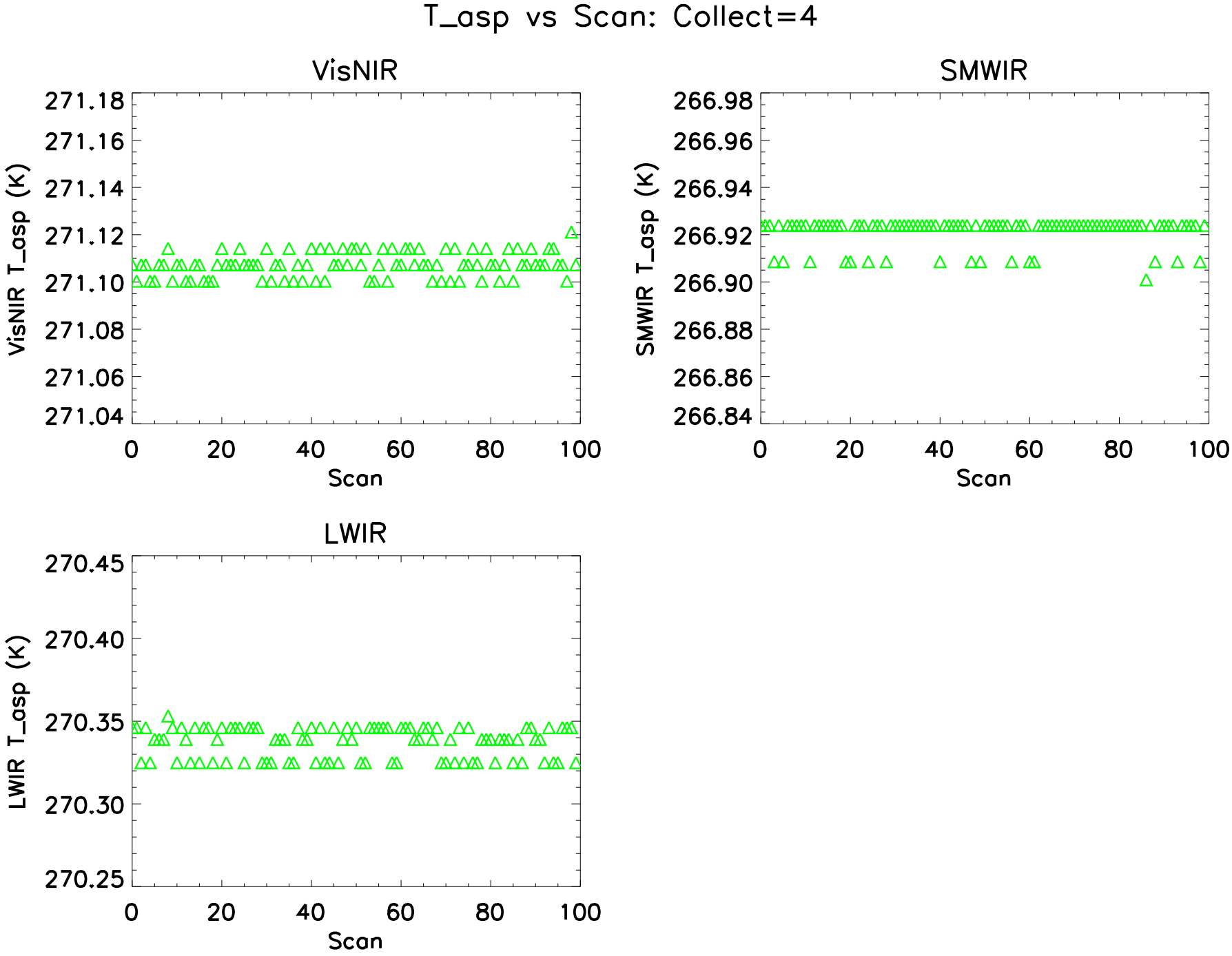
LWIR T_asp vs Scan

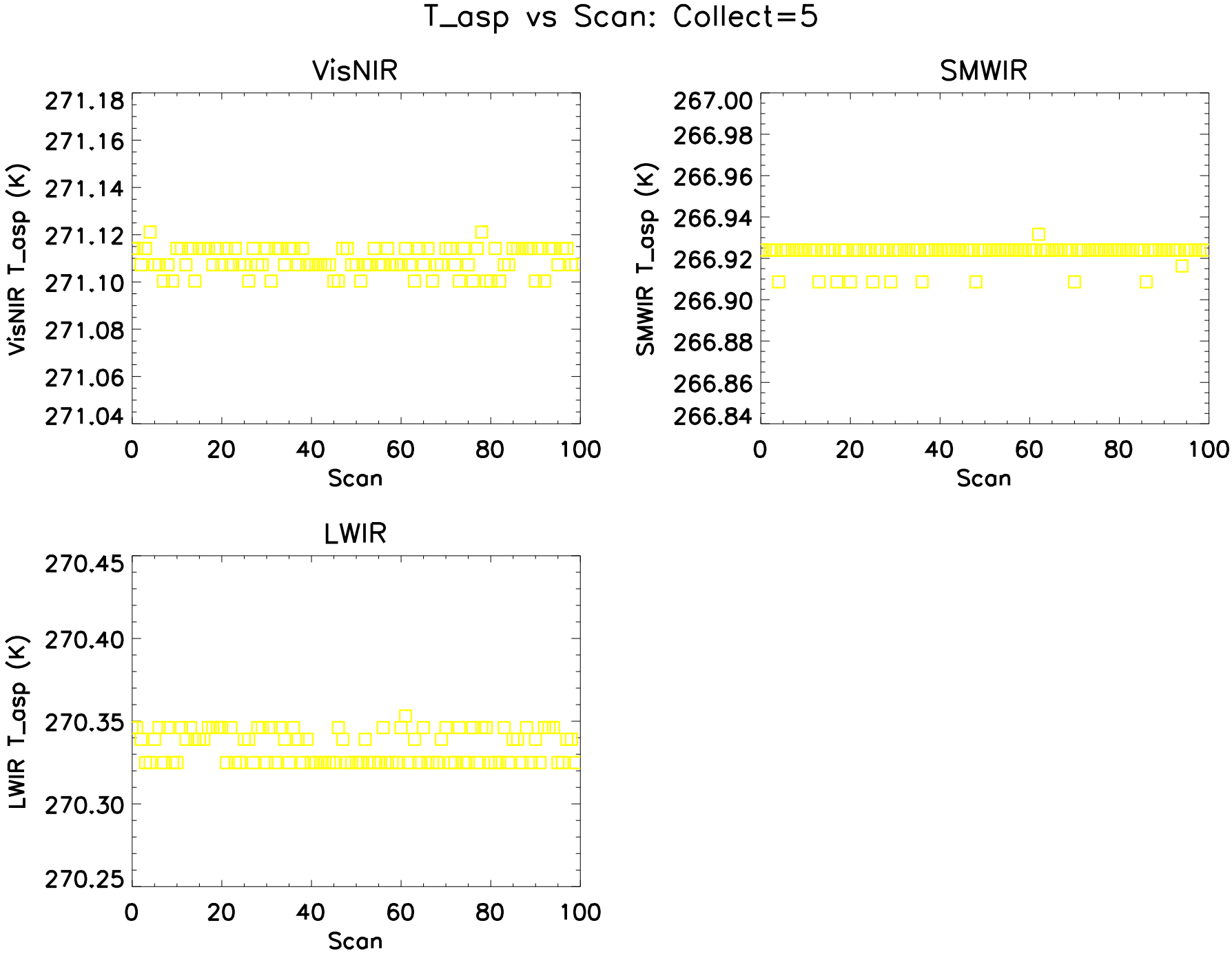


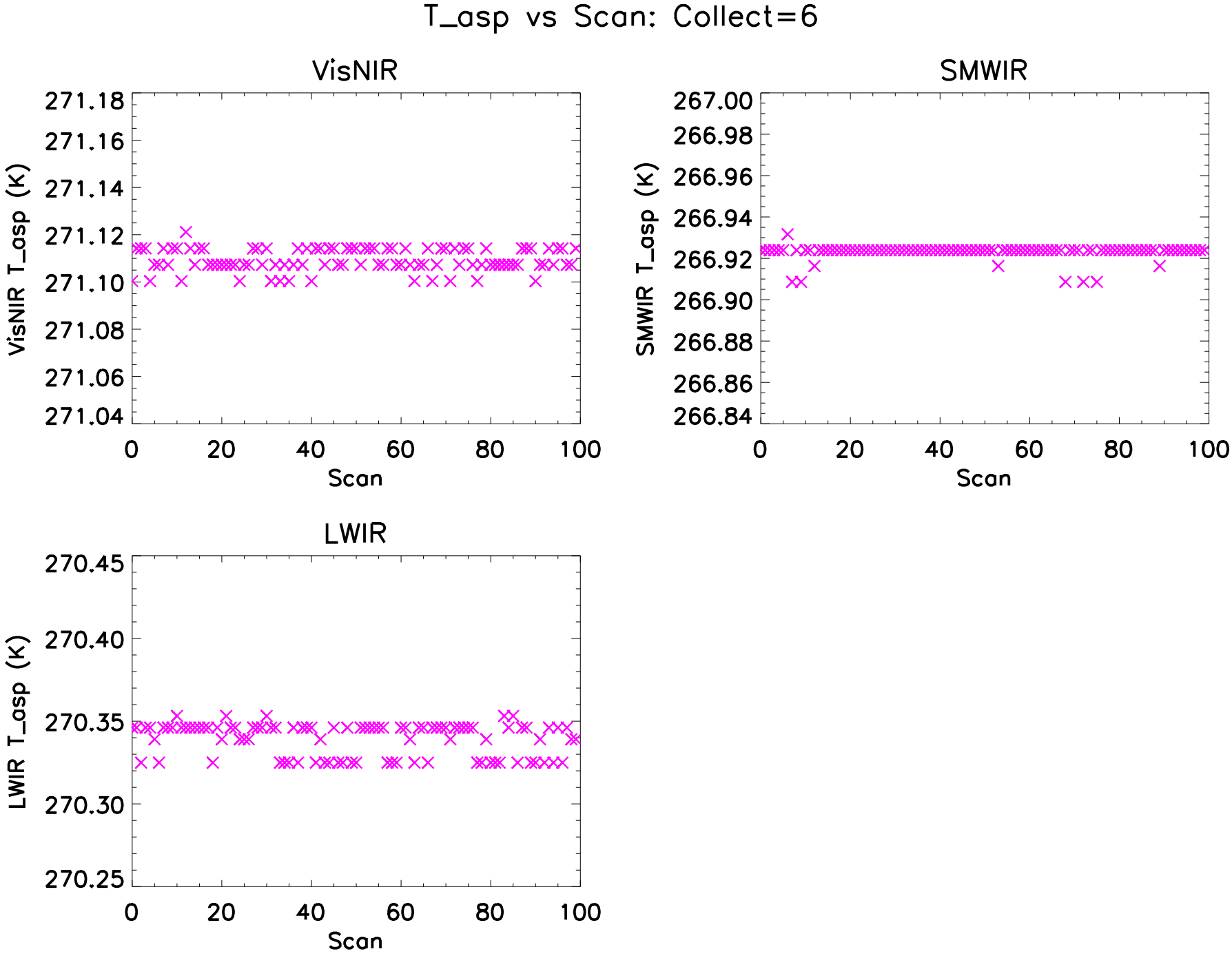

T_asp vs Scan: Collect=1
VisNIR
VisNIR T_asp (K)
271.18
271.16
271.14
271.12
271.10
271.08
271.06
271.04
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
267.00
266.98
266.96
266.94
266.92
266.90
266.88
266.86
266.84
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
270.45
270.40
270.35
270.30
270.25
0
20
40
60
80
100
Scan

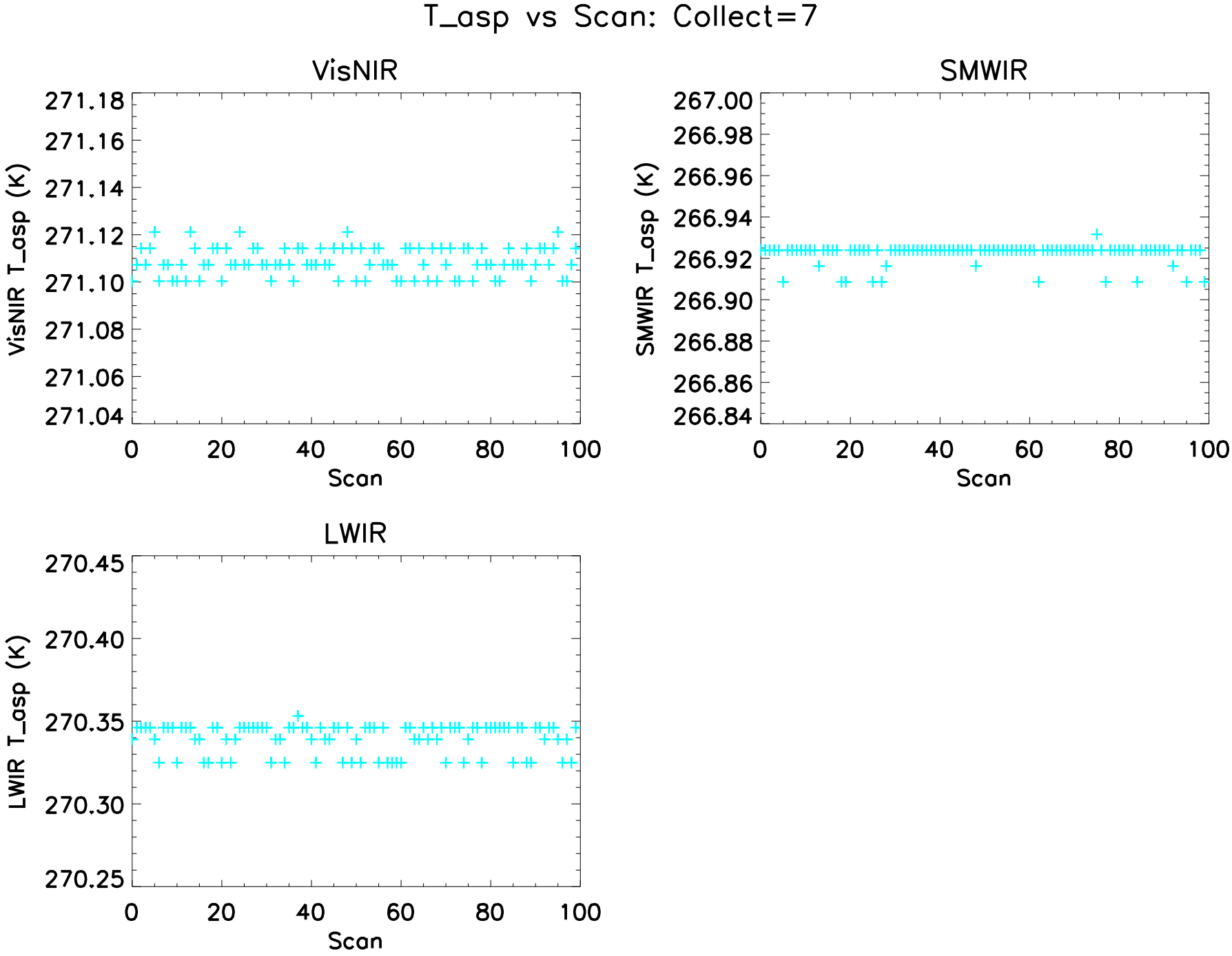

T_asp vs Scan: Collect=2
VisNIR
VisNIR T_asp (K)
271.18
271.16
271.14
271.12
271.10
271.08
271.06
271.04
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
267.00
266.98
266.96
266.94
266.92
266.90
266.88
266.86
266.84
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
270.45
270.40
270.35
270.30
270.25
0
20
40
60
80
100
Scan

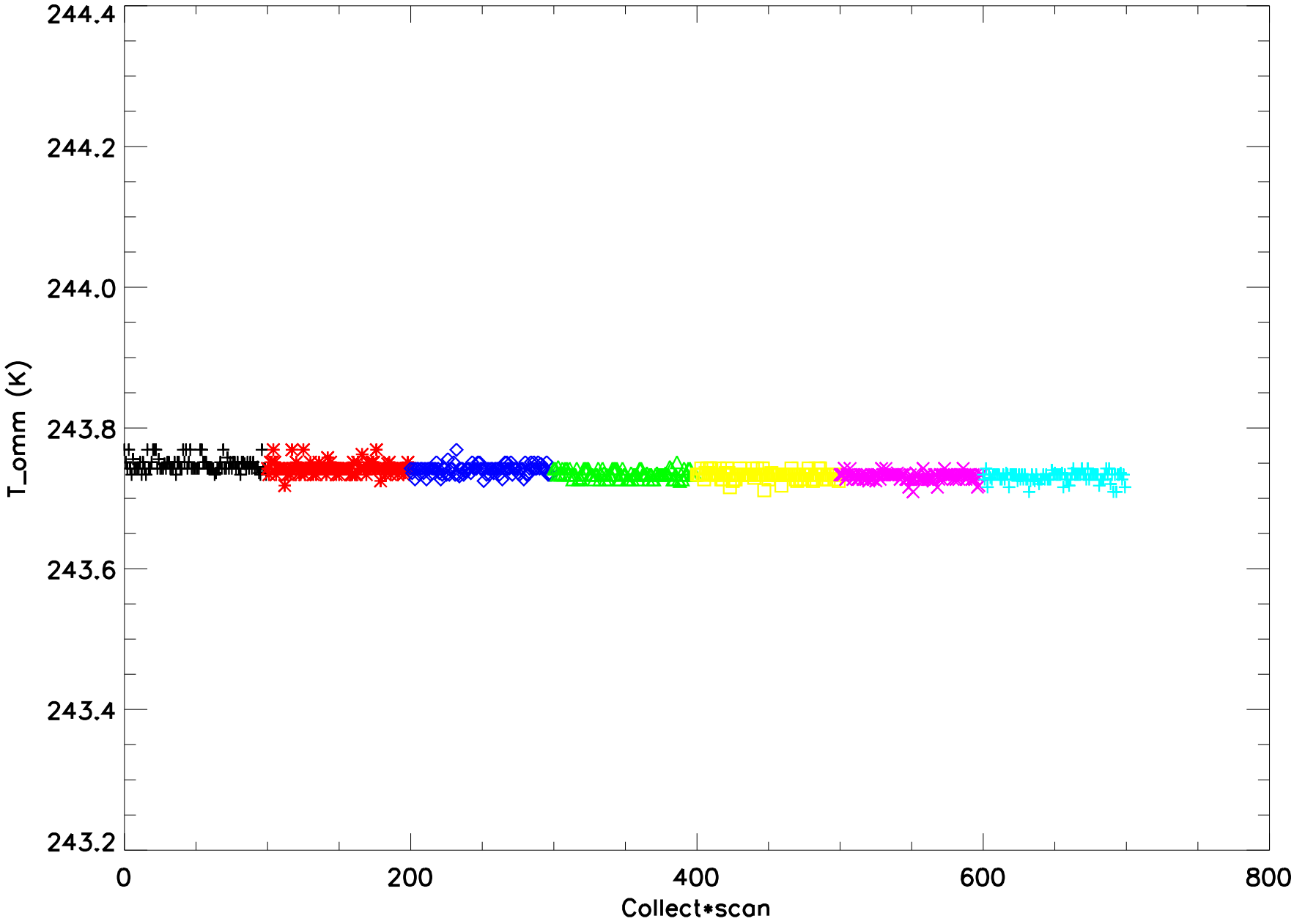

T_asp vs Scan: Collect=3
VisNIR
VisNIR T_asp (K)
271.18
271.16
271.14
271.12
271.10
271.08
271.06
271.04
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
267.00
266.98
266.96
266.94
266.92
266.90
266.88
266.86
266.84
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
270.45
270.40
270.35
270.30
270.25
0
20
40
60
80
100
Scan

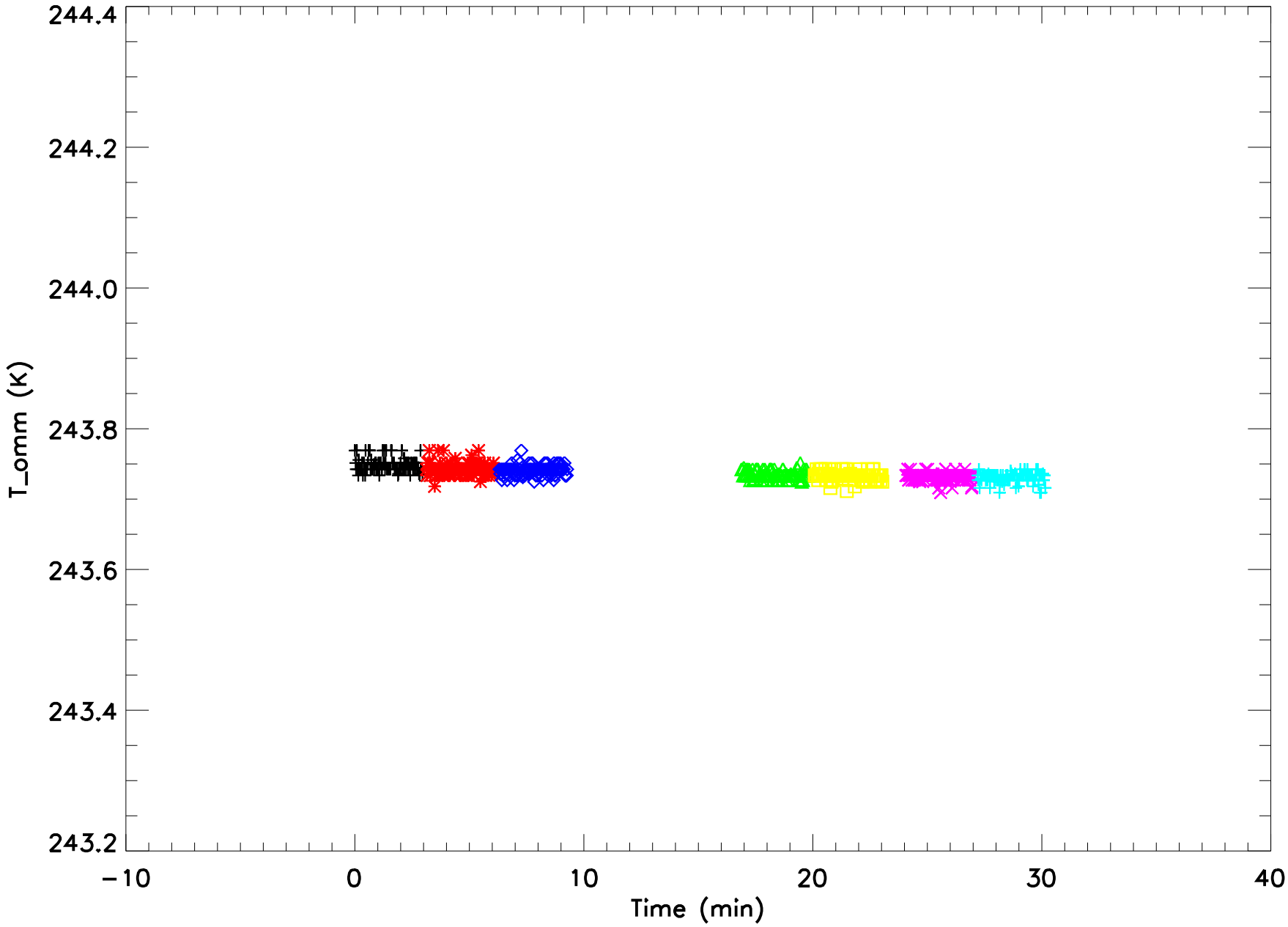

T_asp vs Scan: Collect=4
VisNIR
VisNIR T_asp (K)
271.18
271.16
271.14
271.12
271.10
271.08
271.06
271.04
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
266.98
266.96
266.94
266.92
266.90
266.88
266.86
266.84
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
270.45
270.40
270.35
270.30
270.25
0
20
40
60
80
100
Scan


T_asp vs Scan: Collect=5
VisNIR
VisNIR T_asp (K)
271.18
271.16
271.14
271.12
271.10
271.08
271.06
271.04
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
267.00
266.98
266.96
266.94
266.92
266.90
266.88
266.86
266.84
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
270.45
270.40
270.35
270.30
270.25
0
20
40
60
80
100
Scan

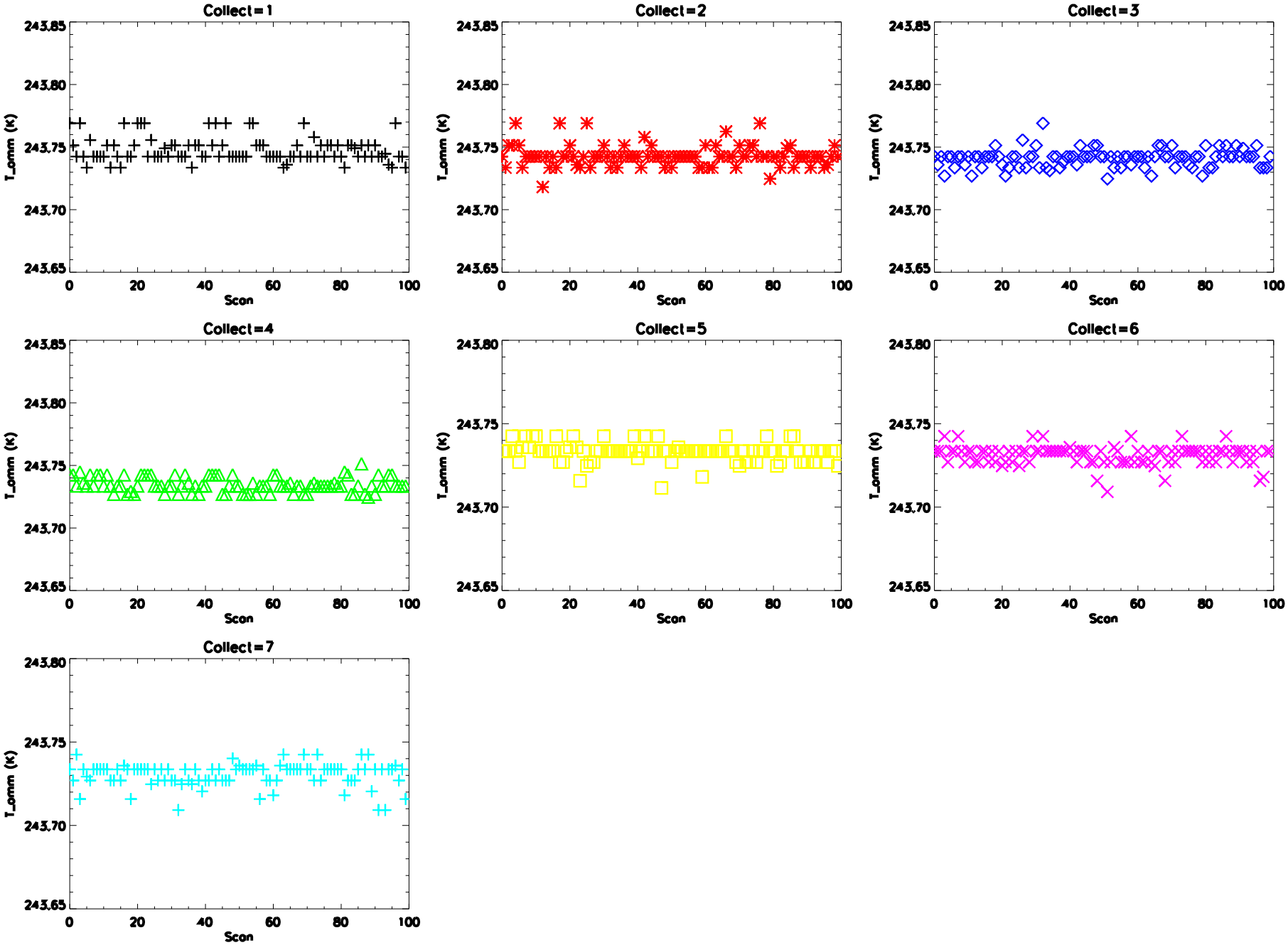

T_asp vs Scan: Collect=6
VisNIR
271.18
271.16
271.14
271.12
271.10
271.08
271.06
271.04
VisNIR T_asp (K)
0
20
40
60
80
100
Scan
SMWIR
267.00
266.98
266.96
266.94
266.92
266.90
266.88
266.86
266.84
SMWIR T_asp (K)
0
20
40
60
80
100
Scan
LWIR
270.45
270.40
270.35
270.30
270.25
LWIR T_asp (K)
0
20
40
60
80
100
Scan


T_asp vs Scan: Collect=7
VisNIR
271.18
271.16
271.14
271.12
271.10
271.08
271.06
271.04
VisNIR T_asp (K)
0
20
40
60
80
100
Scan
SMWIR
267.00
266.98
266.96
266.94
266.92
266.90
266.88
266.86
266.84
SMWIR T_asp (K)
0
20
40
60
80
100
Scan
LWIR
270.45
270.40
270.35
270.30
270.25
LWIR T_asp (K)
0
20
40
60
80
100
Scan


T_omm vs Scan and Collect
244.4
244.2
244.0
243.8
243.6
243.4
243.2
T_omm (K)
0
200
400
600
800
Collect*scan


T_omm vs Time
244.4
244.2
244.0
243.8
243.6
243.4
243.2
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
Collect=7
T_omm (K)
Scan
243.85
243.80
243.75
243.70
243.65
0
20
40
60
80
100