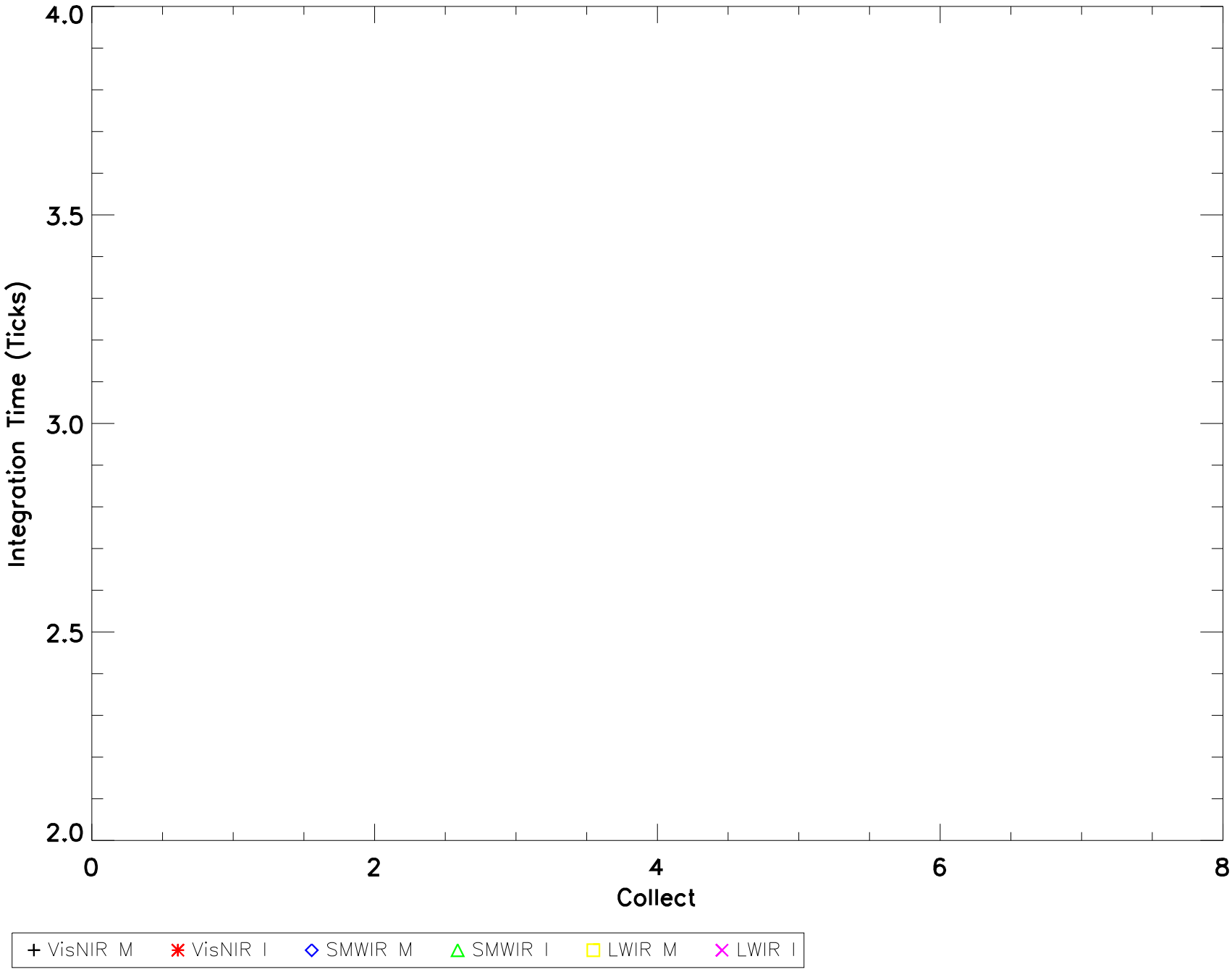
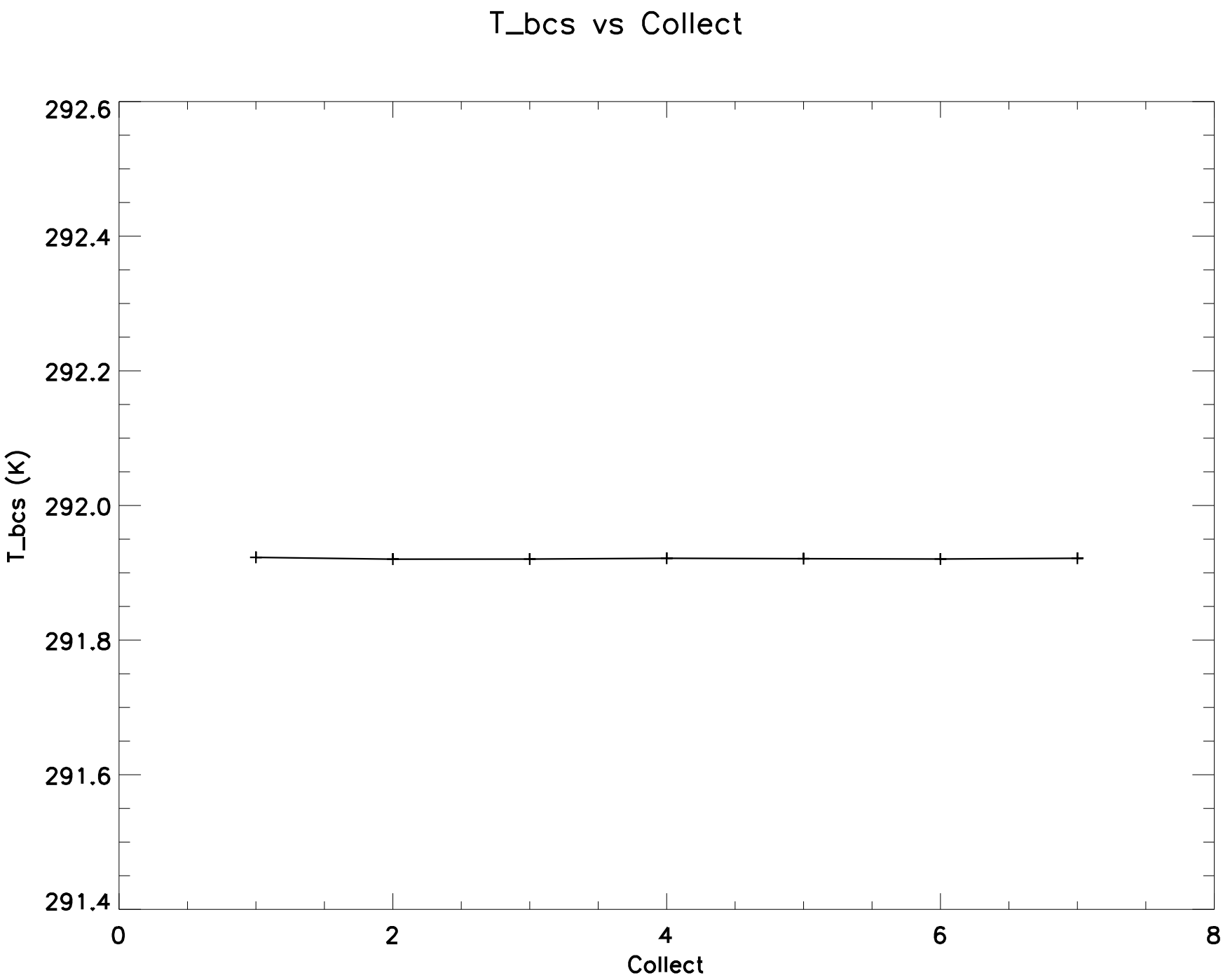
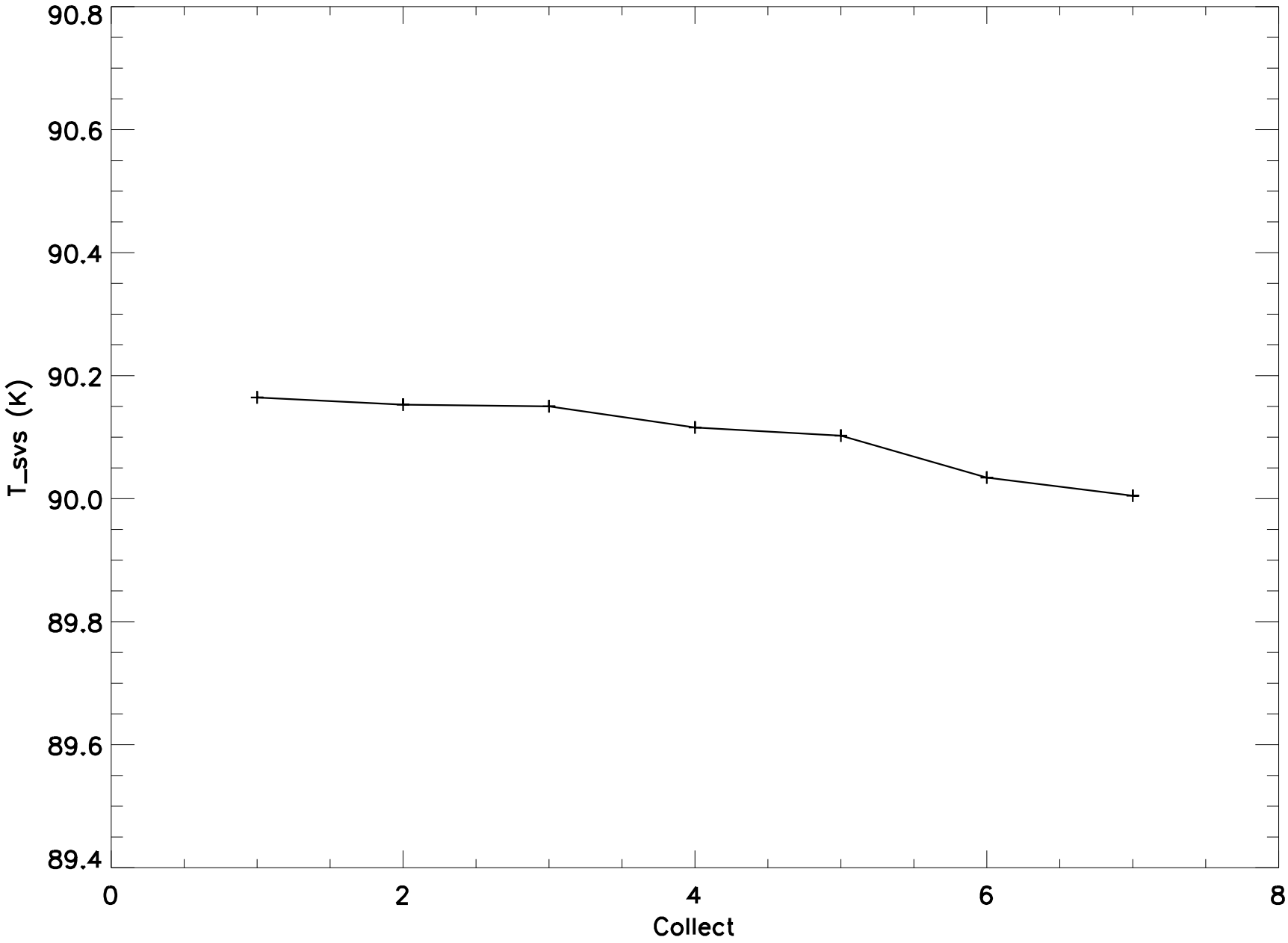
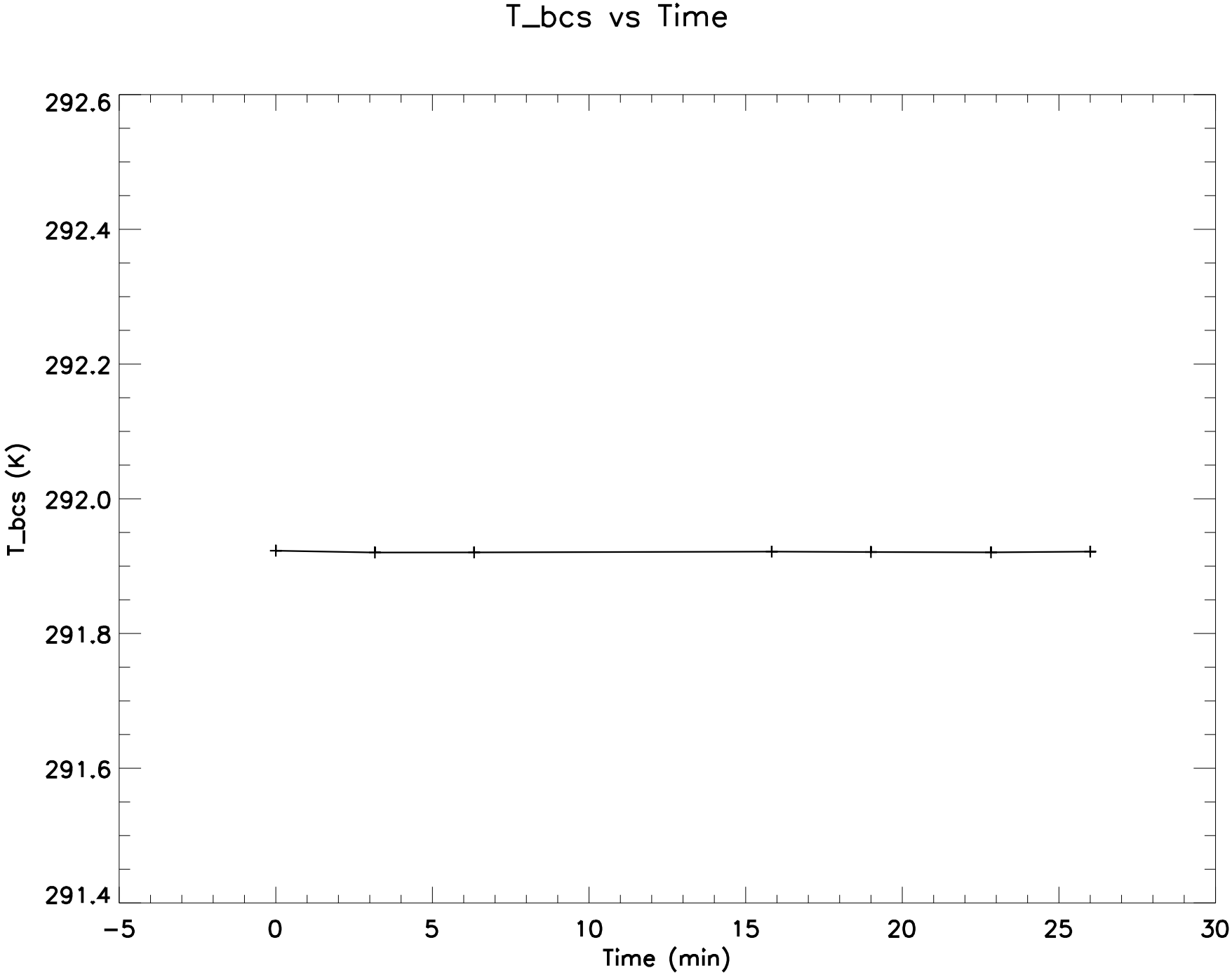
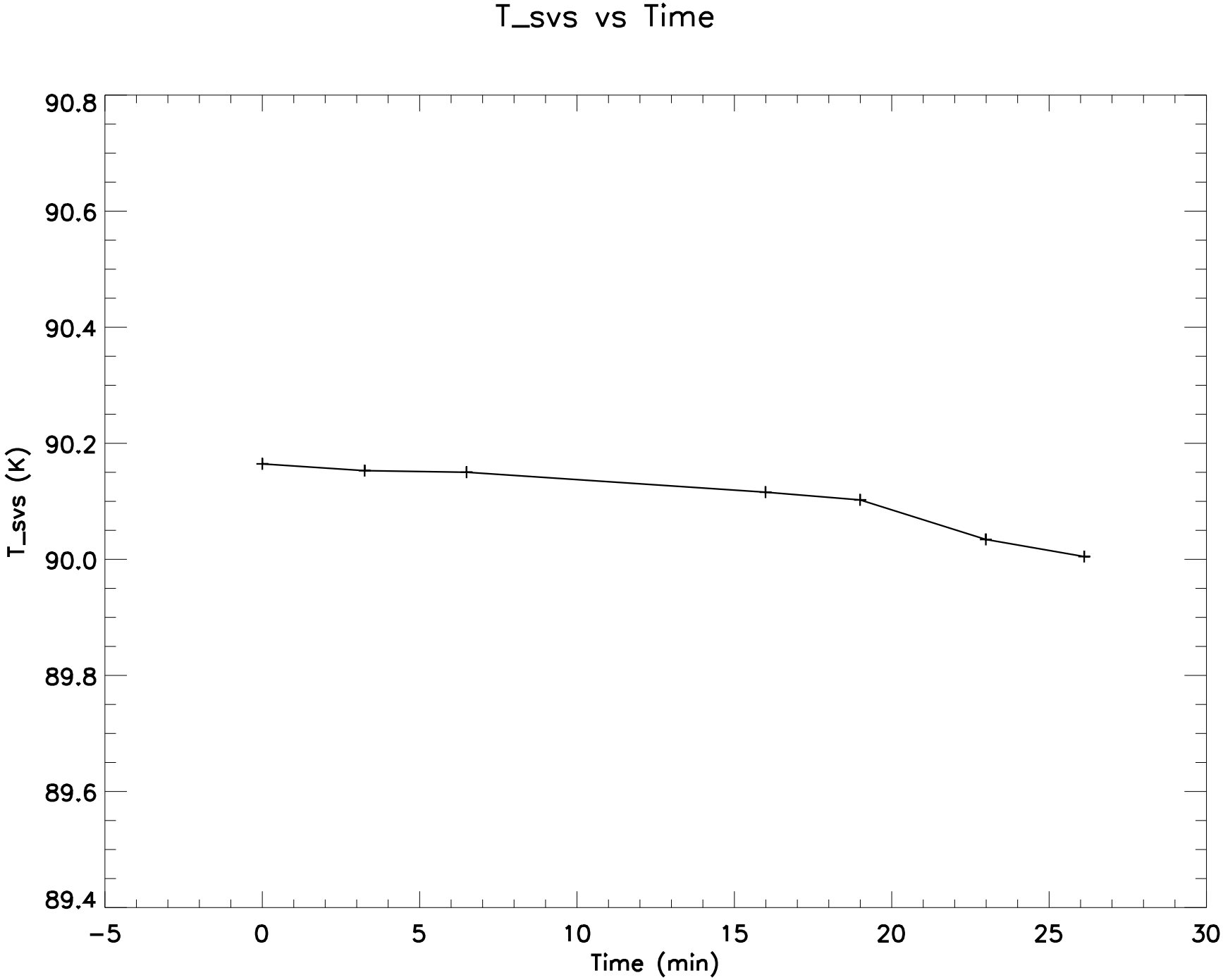
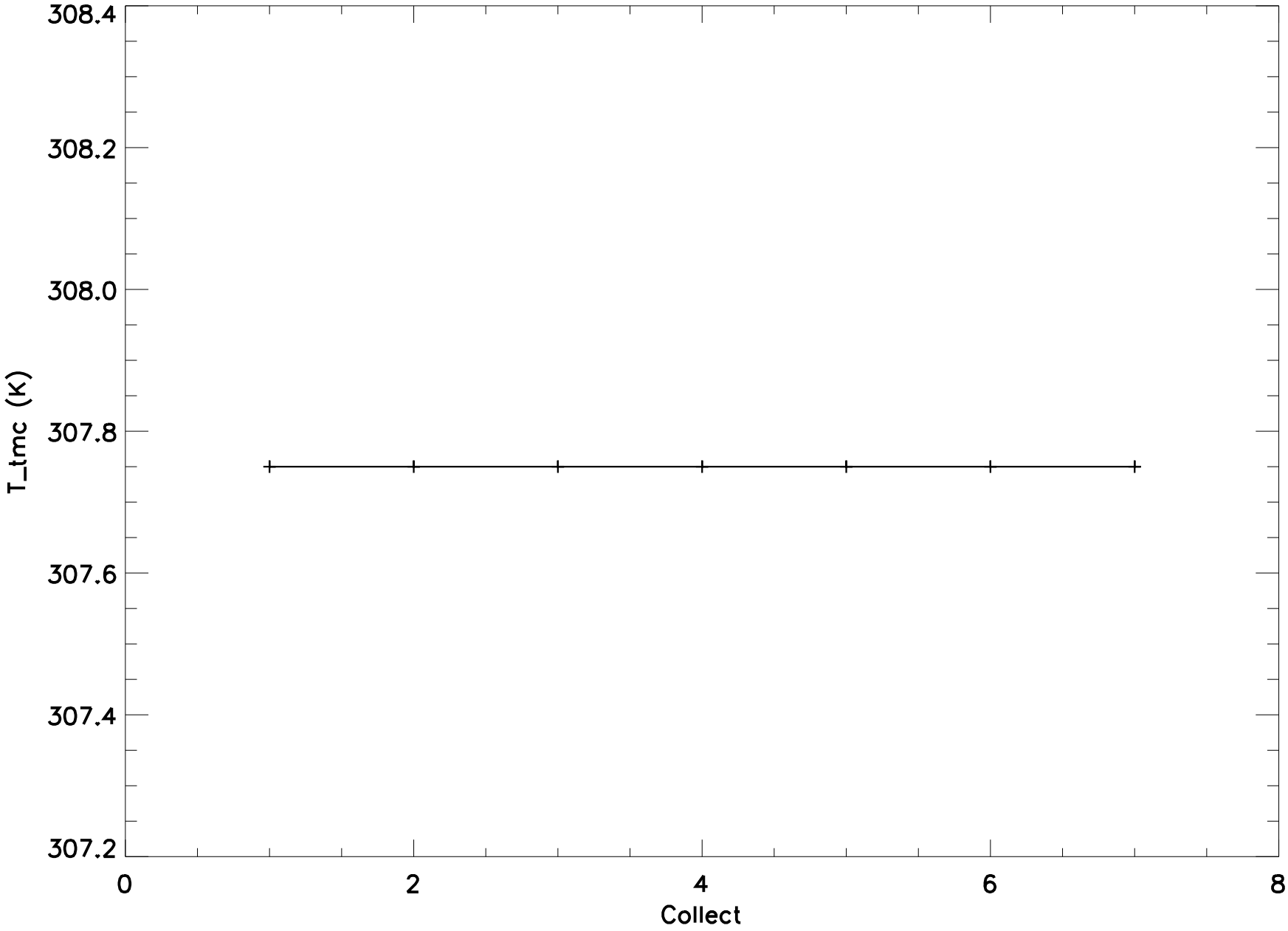

Integration Time vs Collect
Integration Time (Ticks)
4.0
3.5
3.0
2.5
2.0
0
2
4
6
8
Collect
+ VisNIR M
✳ VisNIR I
◇ SMWIR M
△ SMWIR I
□ LWIR M
× LWIR I

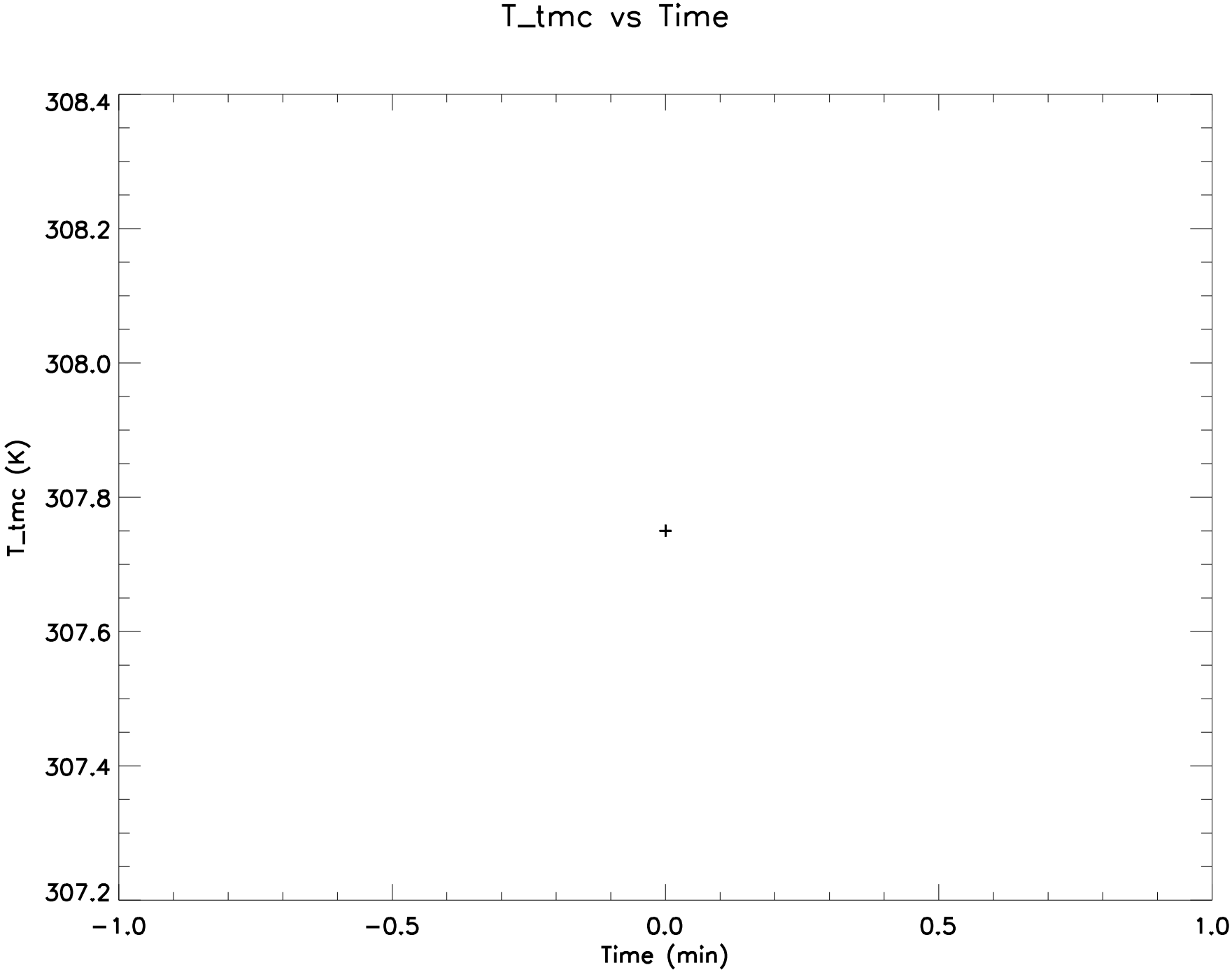

T_bcs vs Collect
292.6
292.4
292.2
292.0
291.8
291.6
291.4
T_bcs (K)
0
2
4
6
8
Collect

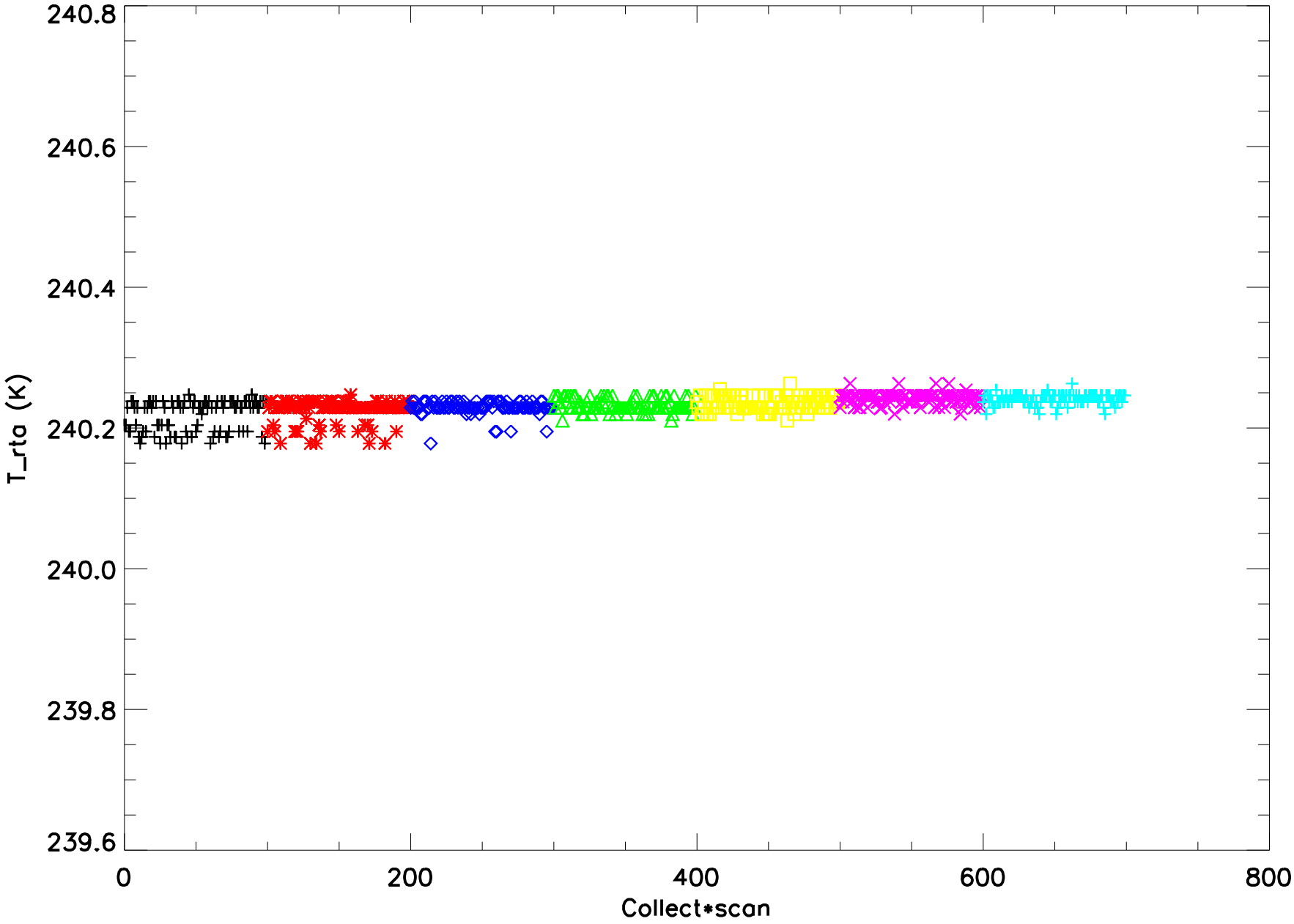

T_svs vs Collect
90.8
90.6
90.4
90.2
90.0
89.8
89.6
89.4
T_svs (K)
0
2
4
6
8
Collect

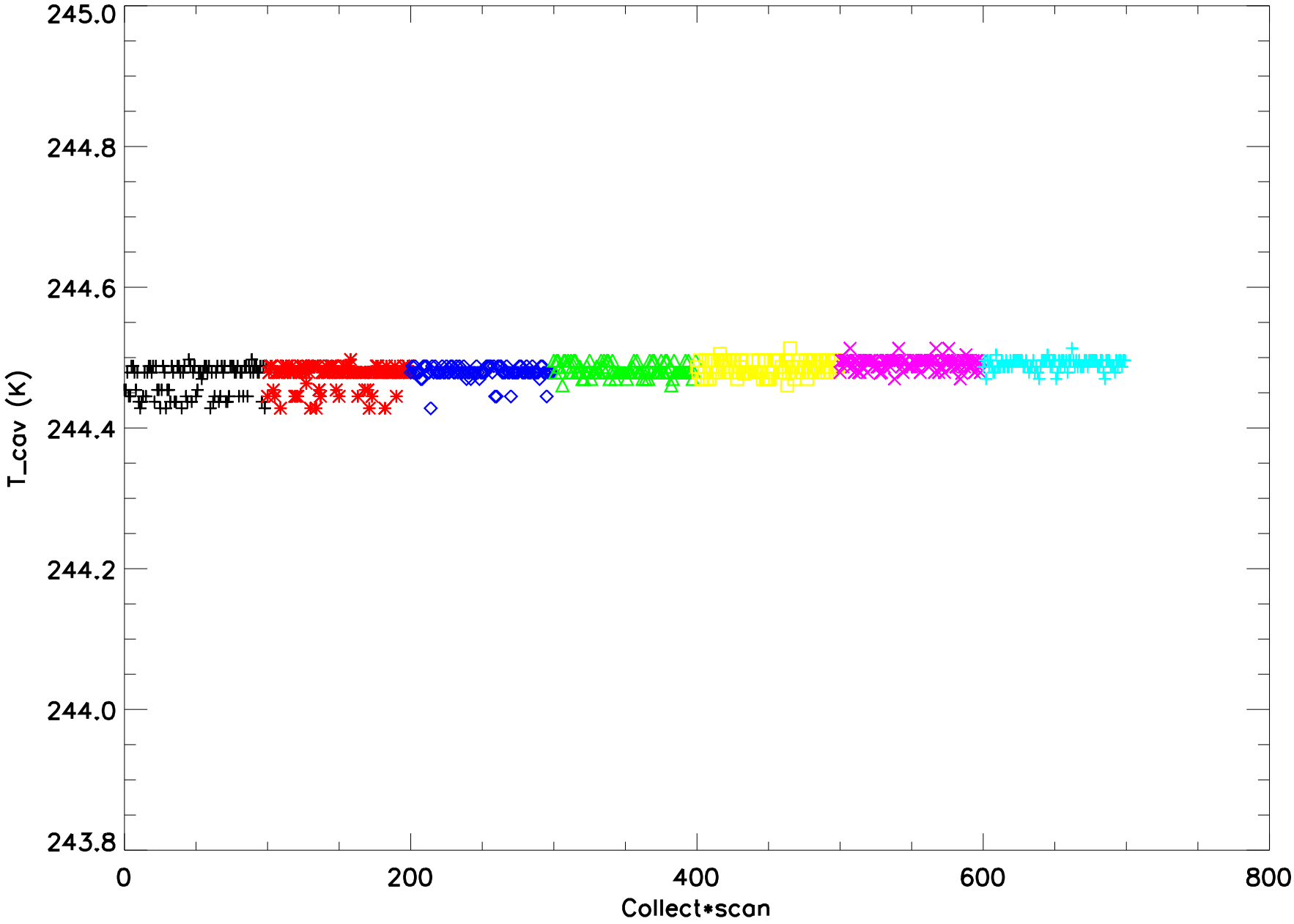

T_bcs vs Time
292.6
292.4
292.2
292.0
291.8
291.6
291.4
T_bcs (K)
−5
0
5
10
15
20
25
30
Time (min)

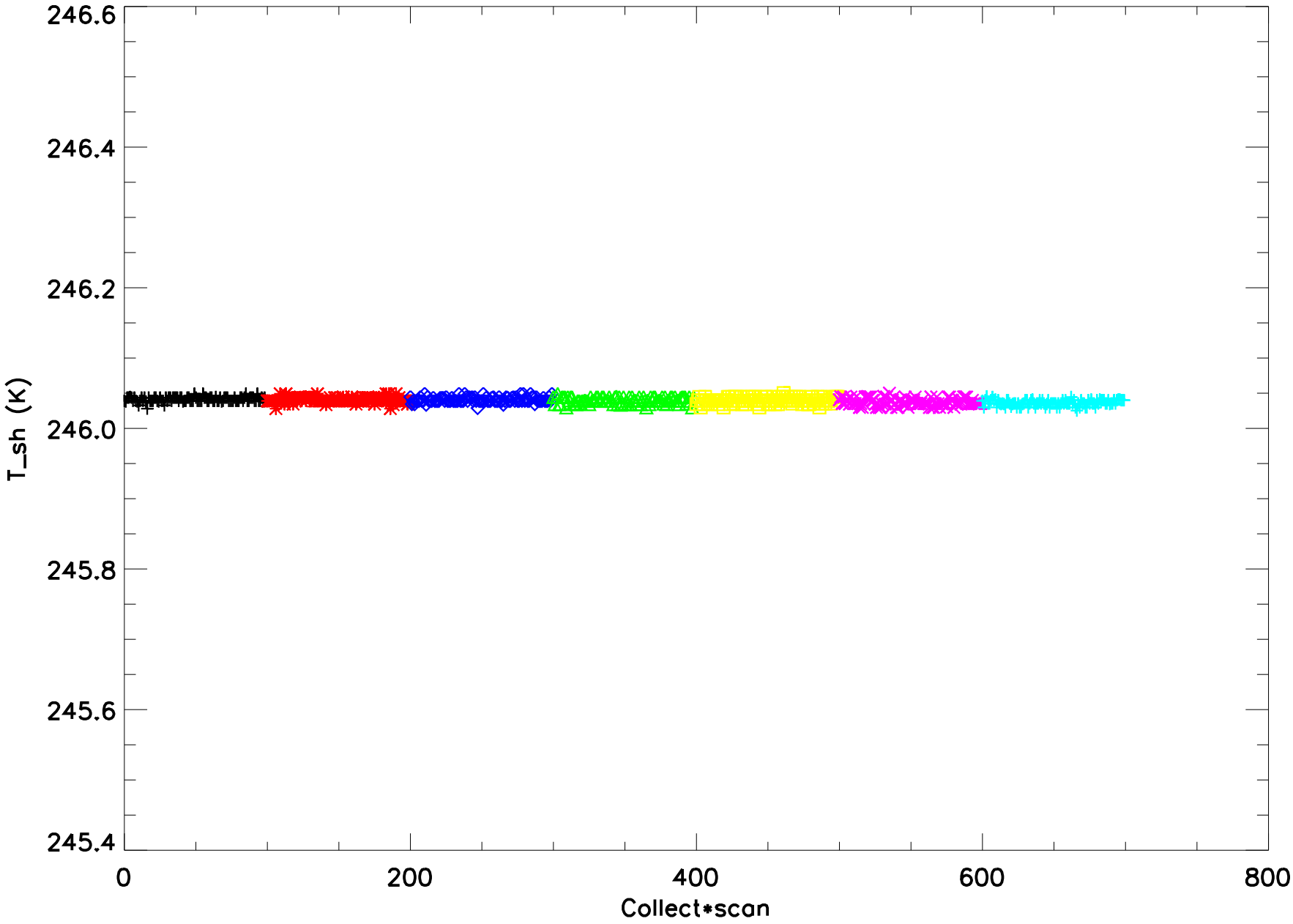

T_svs vs Time
90.8
90.6
90.4
90.2
90.0
89.8
89.6
89.4
T_svs (K)
−5
0
5
10
15
20
25
30
Time (min)

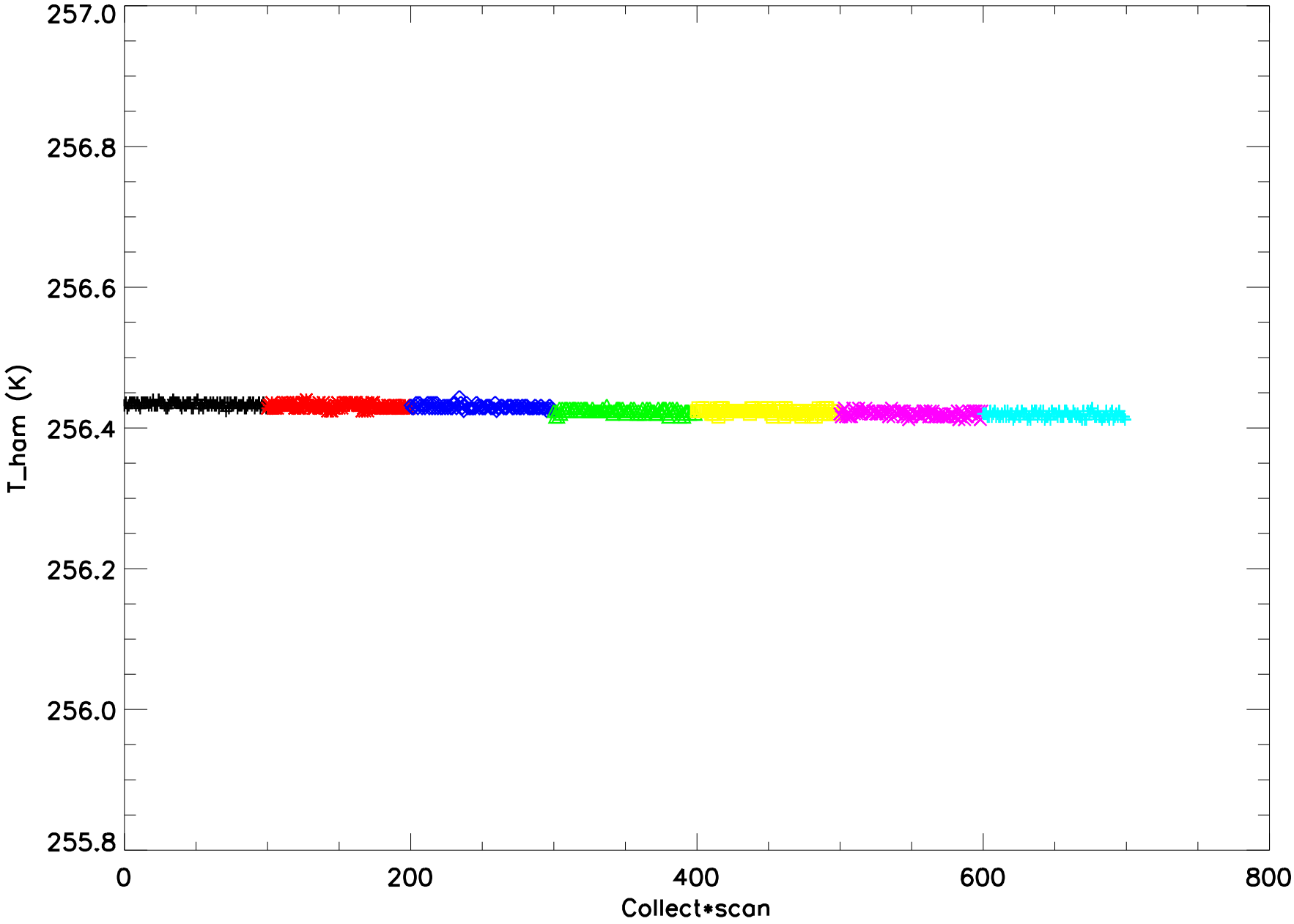

T_tmc vs Collect
308.4
308.2
308.0
307.8
307.6
307.4
307.2
T_tmc (K)
0
2
4
6
8
Collect

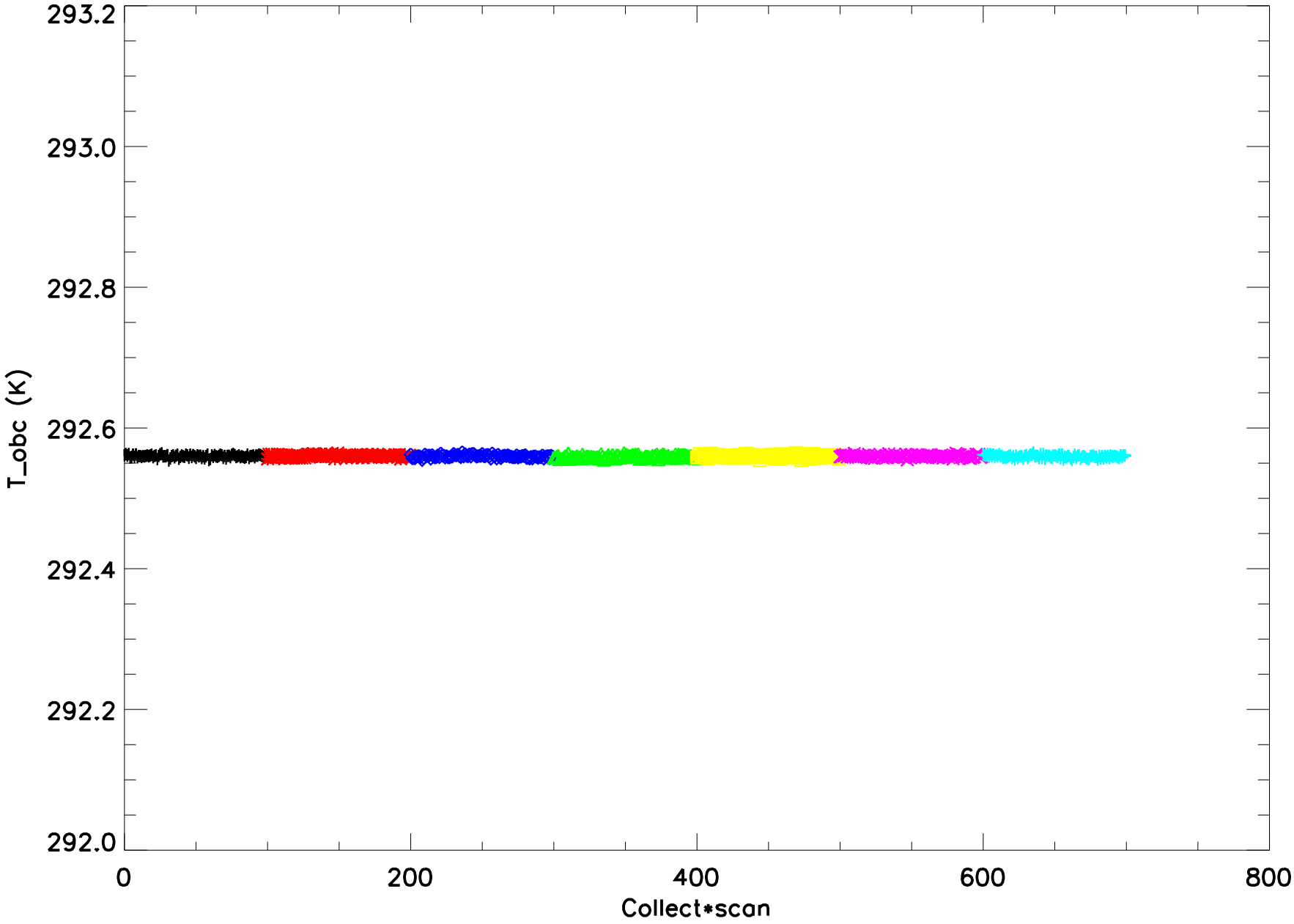

T_tmc vs Time
308.4
308.2
308.0
307.8
307.6
307.4
307.2
T_tmc (K)
−1.0
−0.5
0.0
0.5
1.0
Time (min)

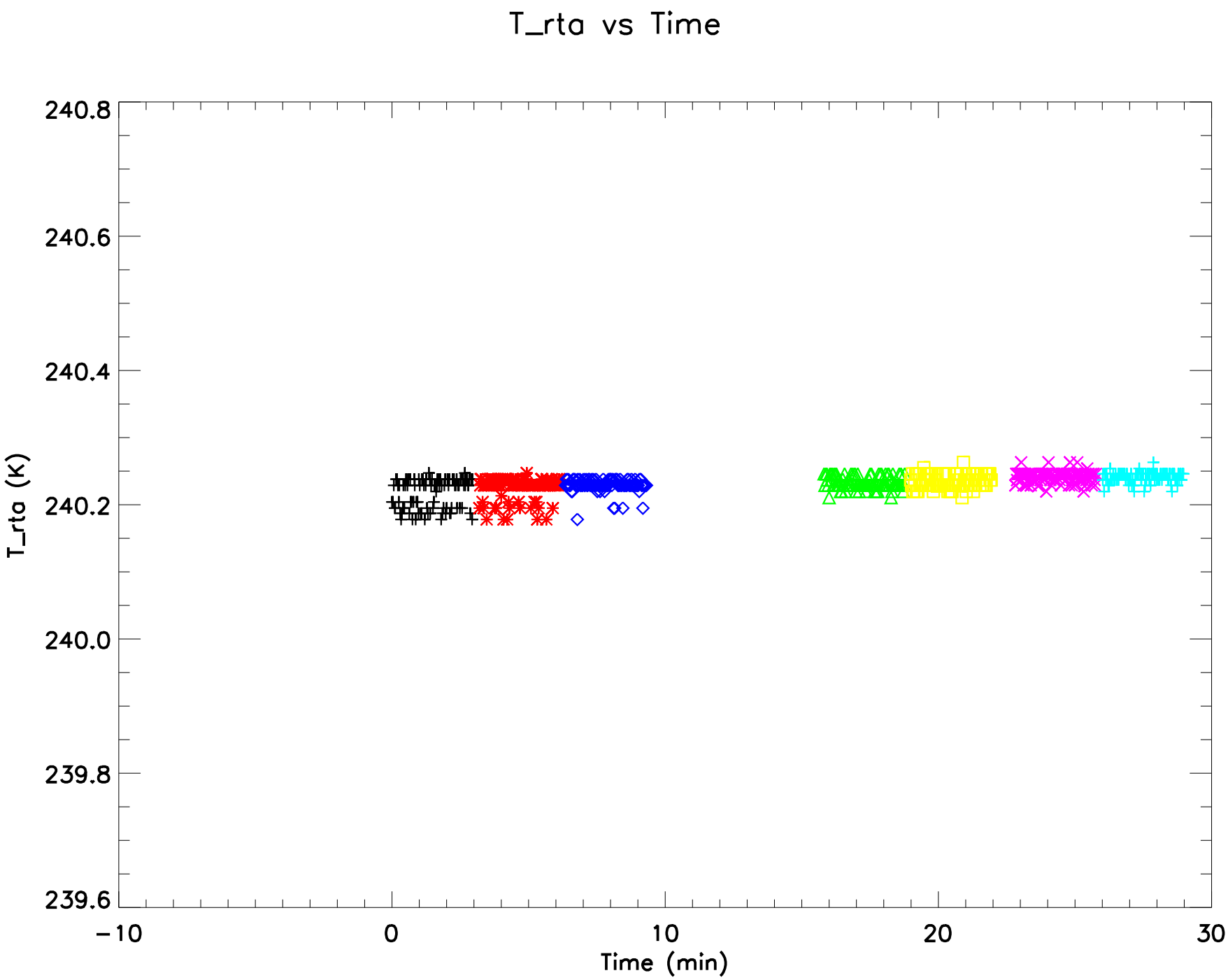

T_rta vs Scan and Collect
240.8
240.6
240.4
240.2
240.0
239.8
239.6
T_rta (K)
0
200
400
600
800
Collect*scan

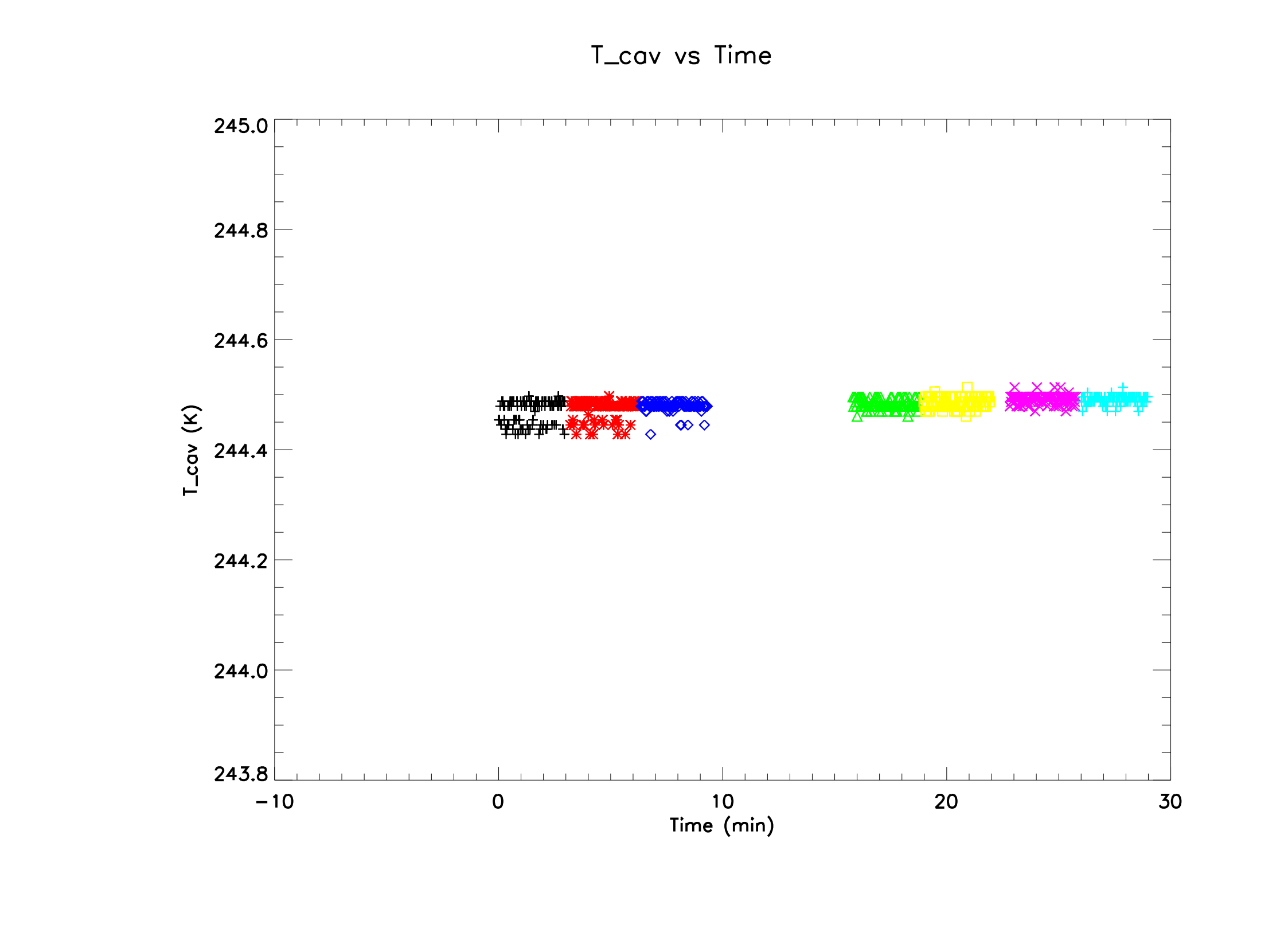

T_cav vs Scan and Collect
245.0
244.8
244.6
244.4
244.2
244.0
243.8
T_cav (K)
0
200
400
600
800
Collect*scan

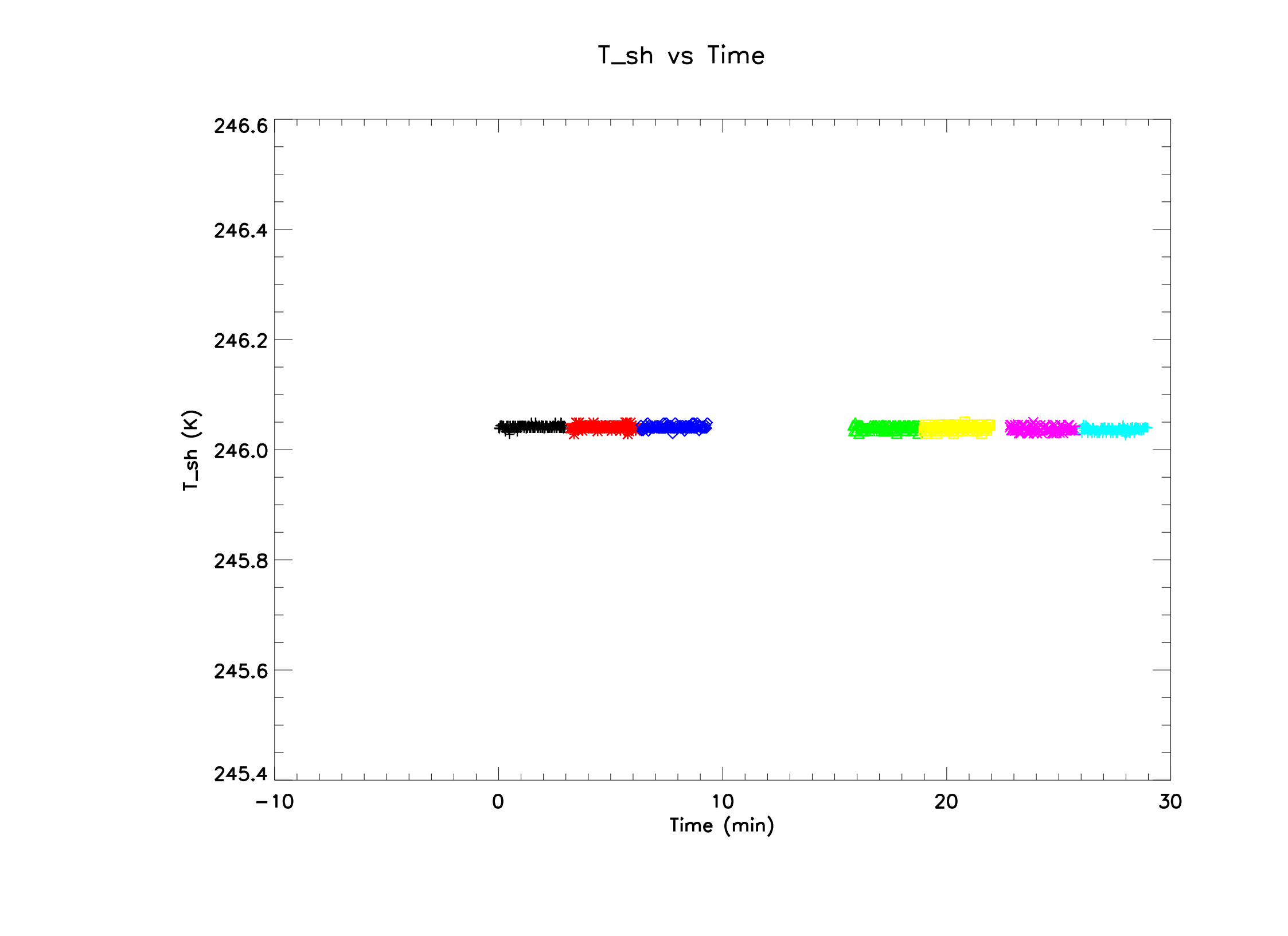

T_sh vs Scan and Collect
246.6
246.4
246.2
246.0
245.8
245.6
245.4
T_sh (K)
0
200
400
600
800
Collect*scan

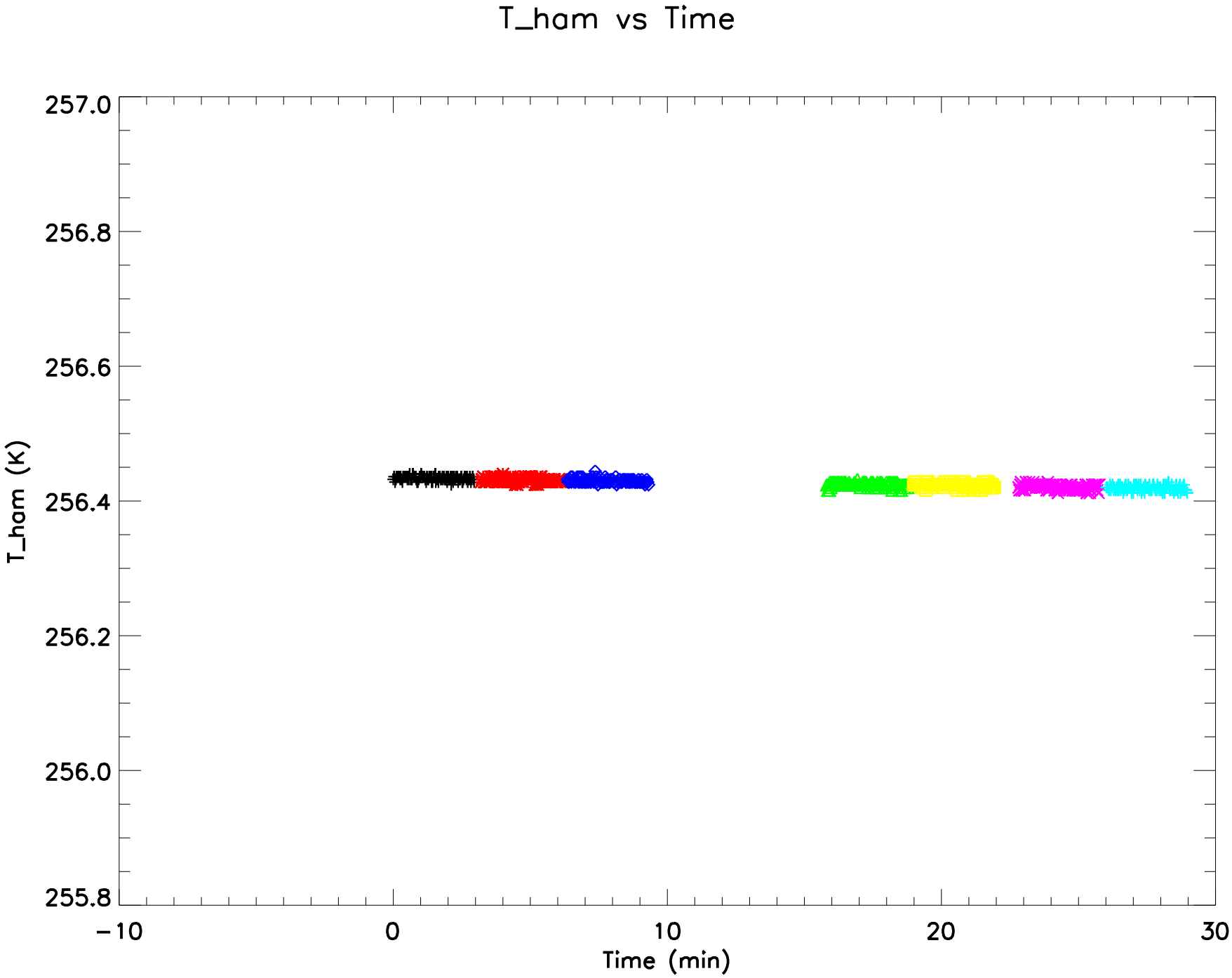

T_ham vs Scan and Collect
257.0
256.8
256.6
256.4
256.2
256.0
255.8
T_ham (K)
0
200
400
600
800
Collect*scan

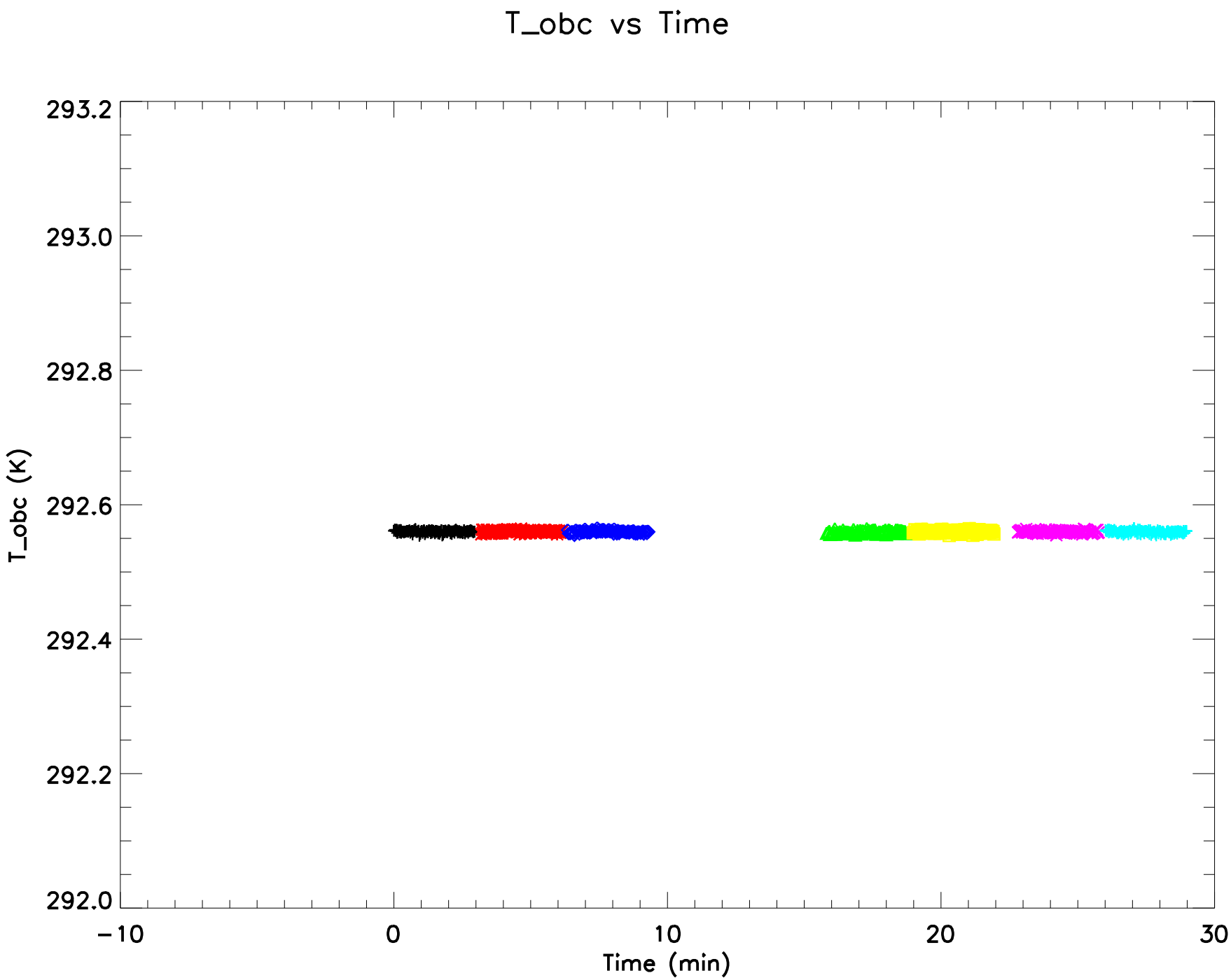

T_obc vs Scan and Collect
293.2
293.0
292.8
292.6
292.4
292.2
292.0
T_obc (K)
0
200
400
600
800
Collect*scan


T_rta vs Time
240.8
240.6
240.4
240.2
240.0
239.8
239.6
T_rta (K)
−10
0
10
20
30
Time (min)

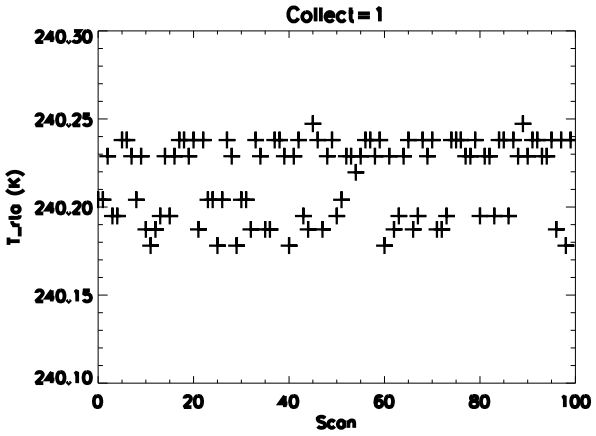

T_cav vs Time
245.0
244.8
244.6
244.4
244.2
244.0
243.8
T_cav (K)
−10
0
10
20
30
Time (min)

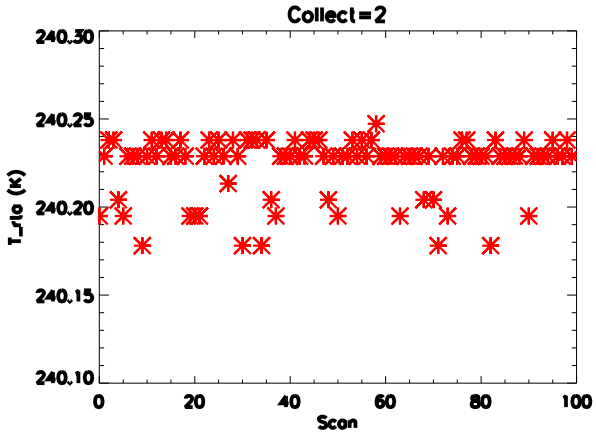

T_sh vs Time
246.6
246.4
246.2
246.0
245.8
245.6
245.4
T_sh (K)
−10
0
10
20
30
Time (min)

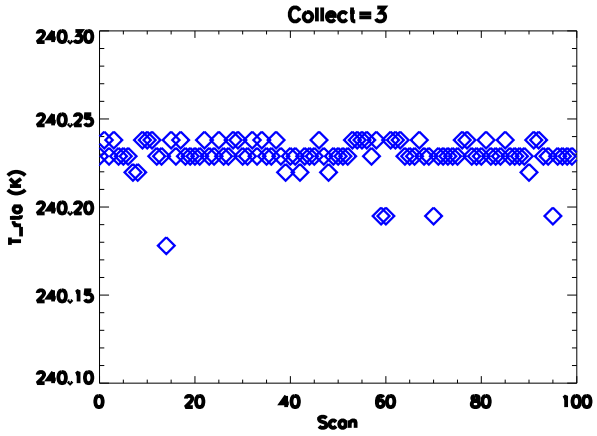

T_ham vs Time
257.0
256.8
256.6
256.4
256.2
256.0
255.8
T_ham (K)
−10
0
10
20
30
Time (min)

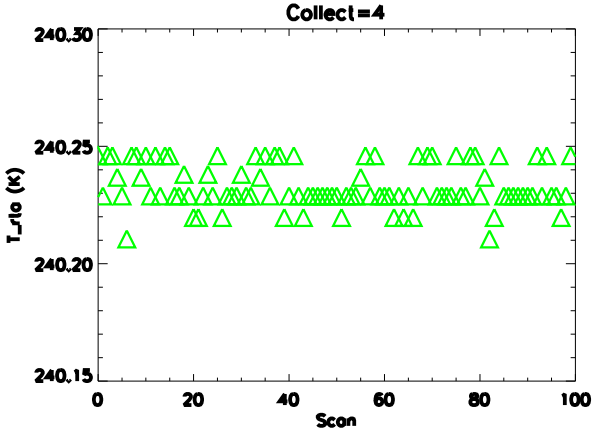

T_obc vs Time
293.2
293.0
292.8
292.6
292.4
292.2
292.0
T_obc (K)
−10
0
10
20
30
Time (min)

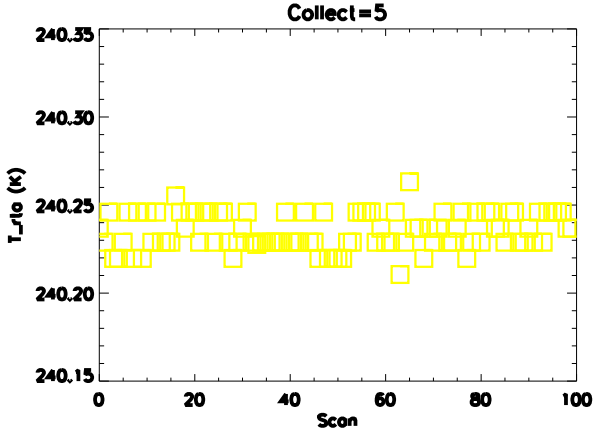
T_rta vs Scan

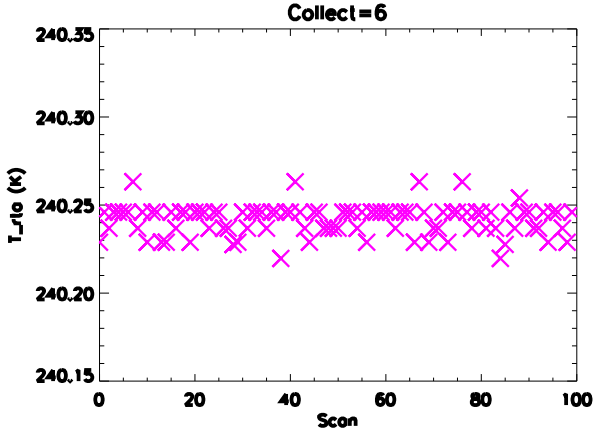

Collect=1
T_rta (K)
240.30
240.25
240.20
240.15
240.10
0
20
40
60
80
100
Scan

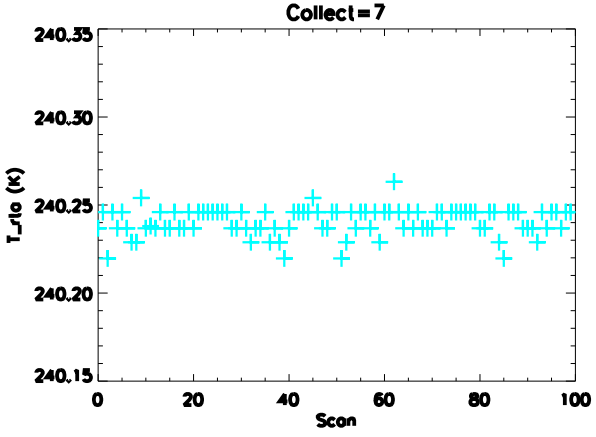

Collect=2
T_rta (K)
240.30
240.25
240.20
240.15
240.10
0
20
40
60
80
100
Scan


Collect=3
T_rta (K)
240.30
240.25
240.20
240.15
240.10
0
20
40
60
80
100
Scan

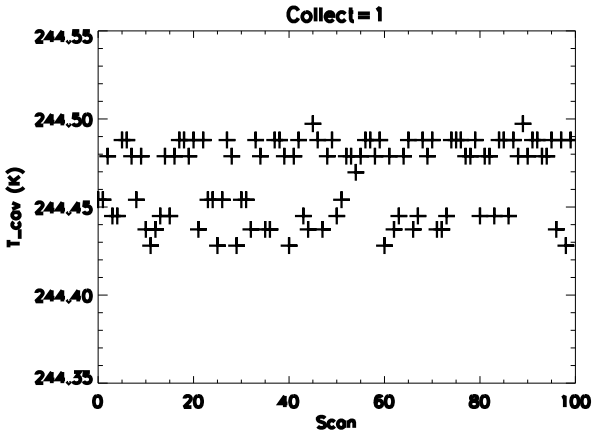

Collect=4
T_rta (K)
240.30
240.25
240.20
240.15
0
20
40
60
80
100
Scan

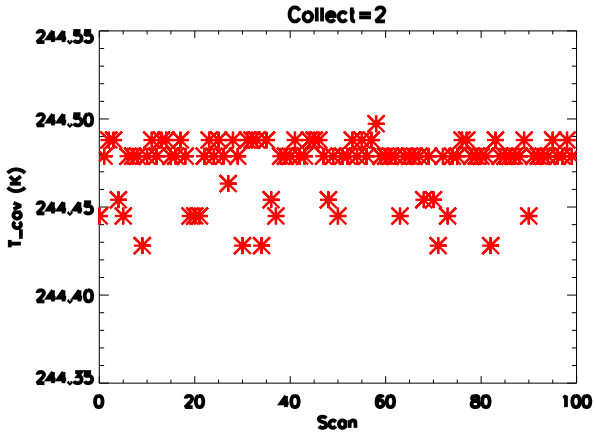

Collect=5
T_rta (K)
240.35
240.30
240.25
240.20
240.15
0
20
40
60
80
100
Scan

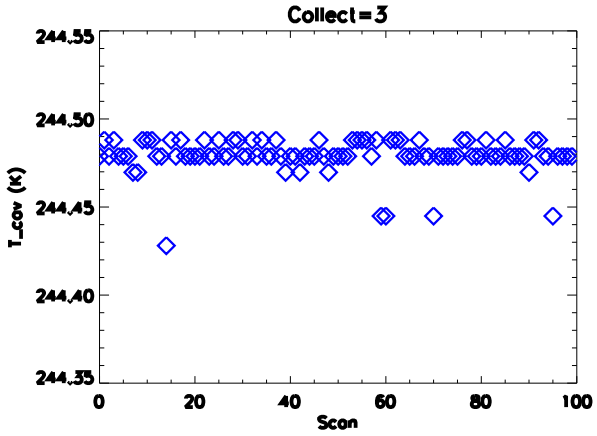

Collect=6
T_rta (K)
240.35
240.30
240.25
240.20
240.15
0
20
40
60
80
100
Scan

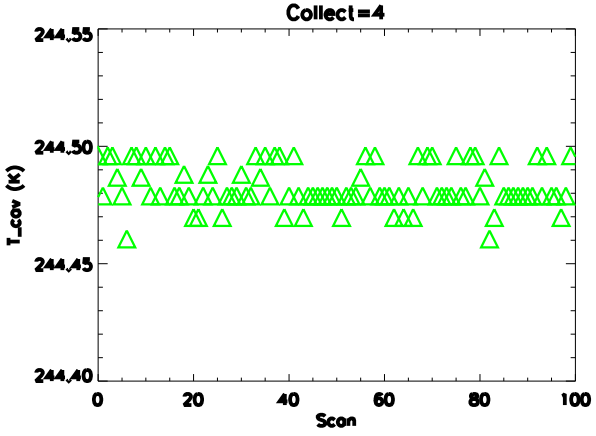

Collect=7
T_rta (K)
240.35
240.30
240.25
240.20
240.15
0
20
40
60
80
100
Scan

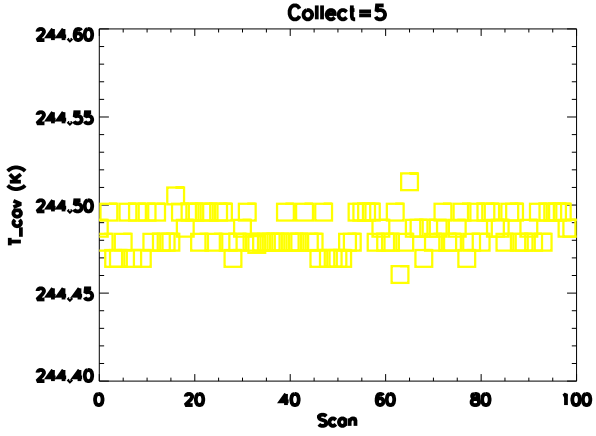
T_cav vs Scan

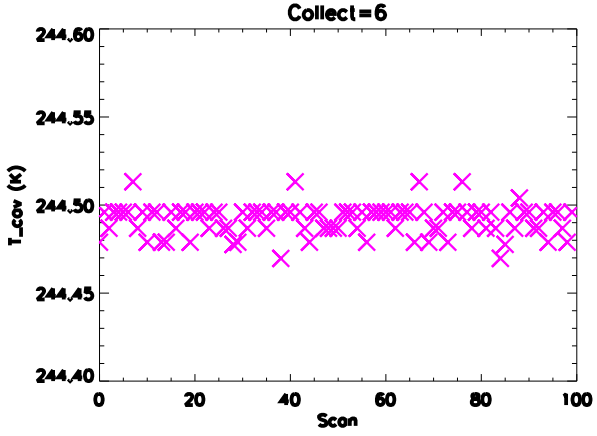

Collect=1
T_cav (K)
244.55
244.50
244.45
244.40
244.35
0
20
40
60
80
100
Scan

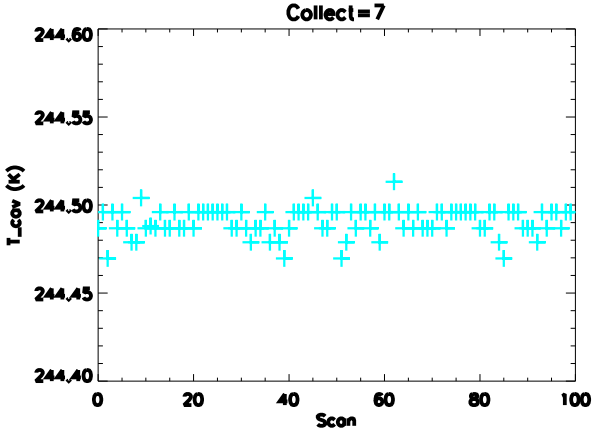

Collect=2
T_cav (K)
244.55
244.50
244.45
244.40
244.35
0
20
40
60
80
100
Scan


Collect=3
T_cav (K)
244.55
244.50
244.45
244.40
244.35
0
20
40
60
80
100
Scan

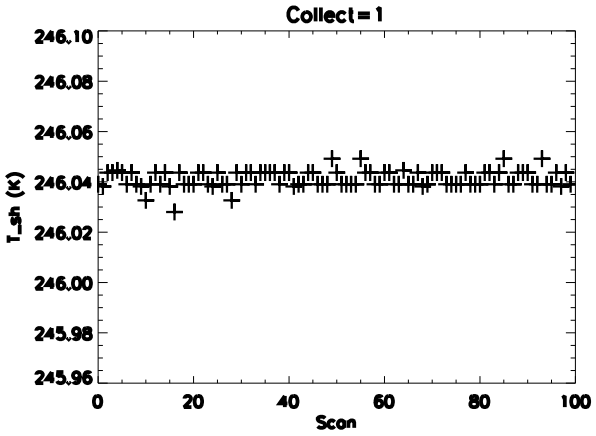

Collect=4
T_cav (K)
244.55
244.50
244.45
244.40
0
20
40
60
80
100
Scan

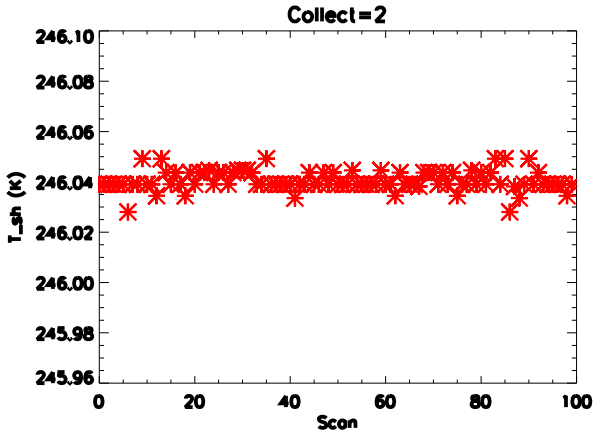

Collect=5
T_cav (K)
244.60
244.55
244.50
244.45
244.40
0
20
40
60
80
100
Scan

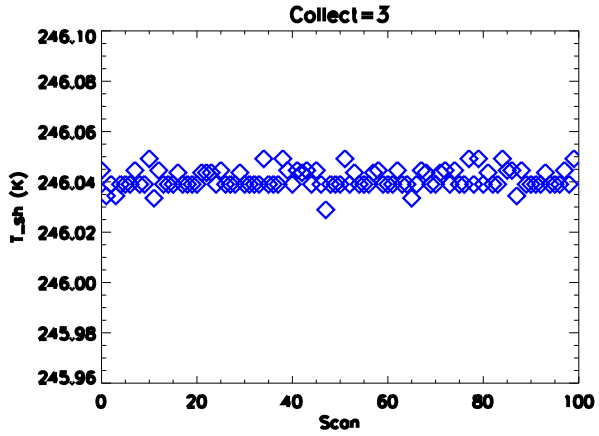

Collect=6
T_cav (K)
244.60
244.55
244.50
244.45
244.40
0
20
40
60
80
100
Scan

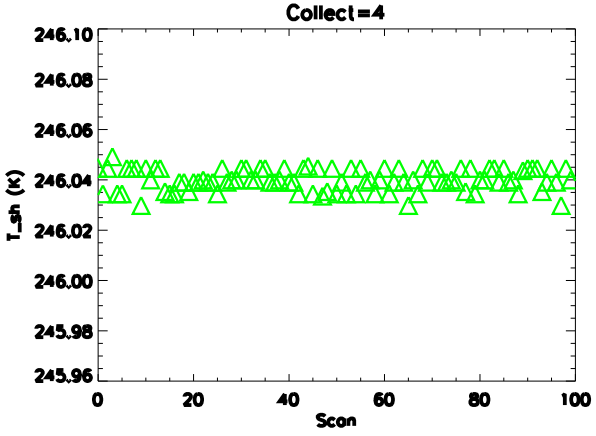

Collect=7
T_cav (K)
244.60
244.55
244.50
244.45
244.40
0
20
40
60
80
100
Scan

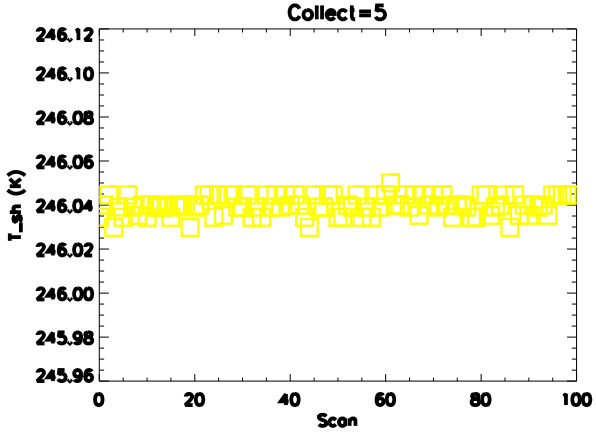
T_sh vs Scan

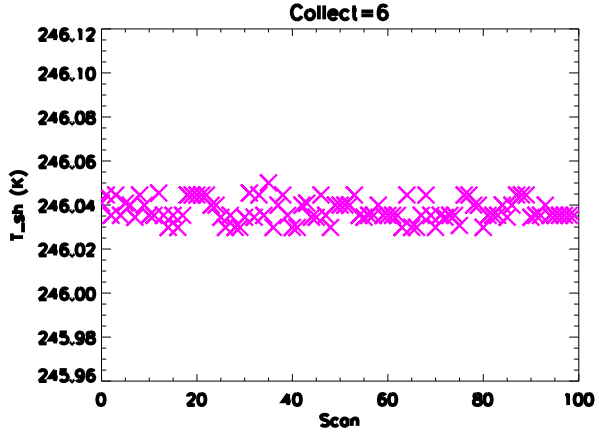

Collect=1
T_sh (K)
246.10
246.08
246.06
246.04
246.02
246.00
245.98
245.96
0
20
40
60
80
100
Scan

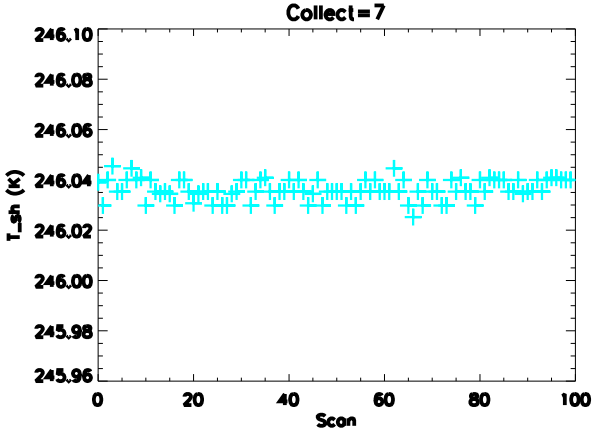

Collect=2
T_sh (K)
246.10
246.08
246.06
246.04
246.02
246.00
245.98
245.96
0
20
40
60
80
100
Scan


Collect=3
T_sh (K)
246.10
246.08
246.06
246.04
246.02
246.00
245.98
245.96
0
20
40
60
80
100
Scan

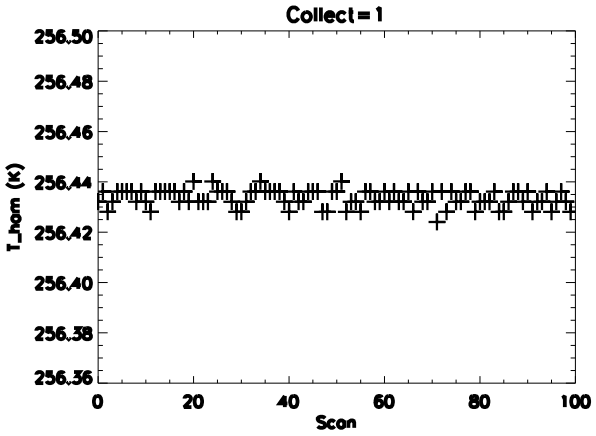

Collect=4
T_sh (K)
246.10
246.08
246.06
246.04
246.02
246.00
245.98
245.96
0
20
40
60
80
100
Scan

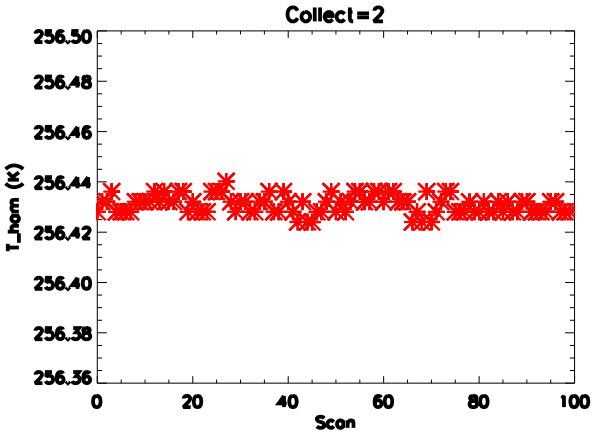

Collect=5
T_sh (K)
246.12
246.10
246.08
246.06
246.04
246.02
246.00
245.98
245.96
0
20
40
60
80
100
Scan

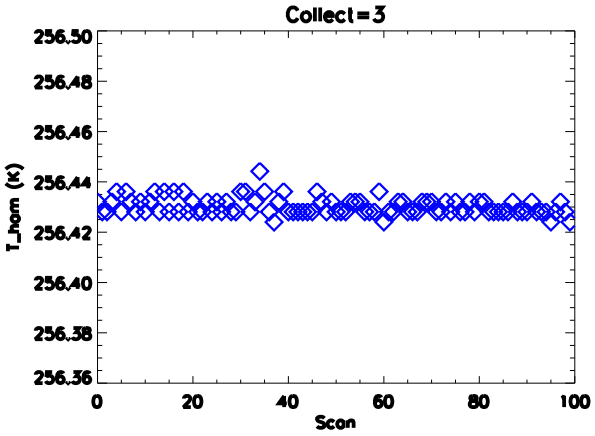

Collect=6
T_sh (K)
246.12
246.10
246.08
246.06
246.04
246.02
246.00
245.98
245.96
0
20
40
60
80
100
Scan

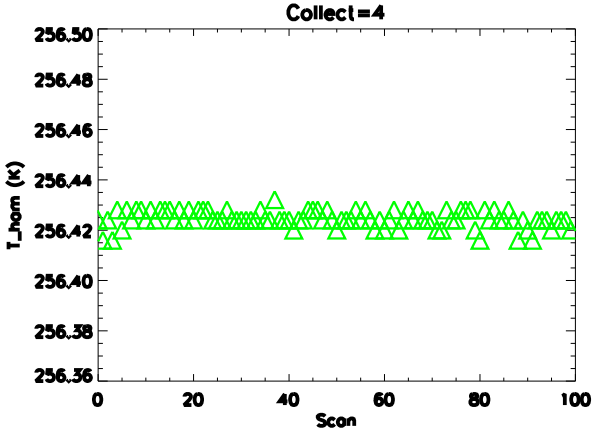

Collect=7
T_sh (K)
246.10
246.08
246.06
246.04
246.02
246.00
245.98
245.96
0
20
40
60
80
100
Scan

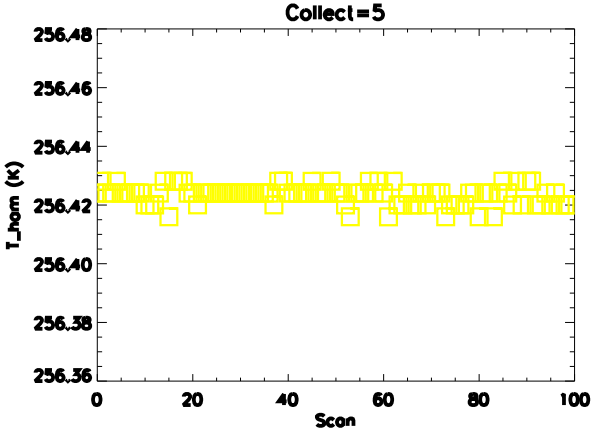
T_ham vs Scan

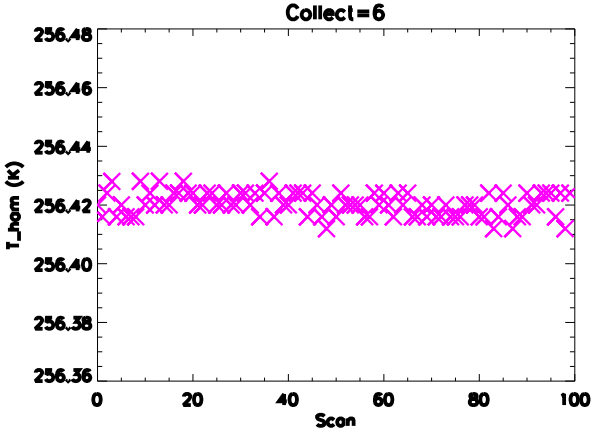

Collect=1
T_ham (K)
256.50
256.48
256.46
256.44
256.42
256.40
256.38
256.36
0
20
40
60
80
100
Scan

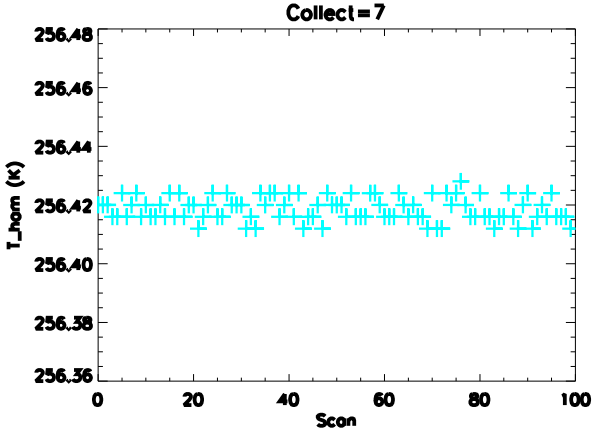

Collect=2
T_ham (K)
256.50
256.48
256.46
256.44
256.42
256.40
256.38
256.36
0
20
40
60
80
100
Scan


Collect=3
T_ham (K)
256.50
256.48
256.46
256.44
256.42
256.40
256.38
256.36
0
20
40
60
80
100
Scan

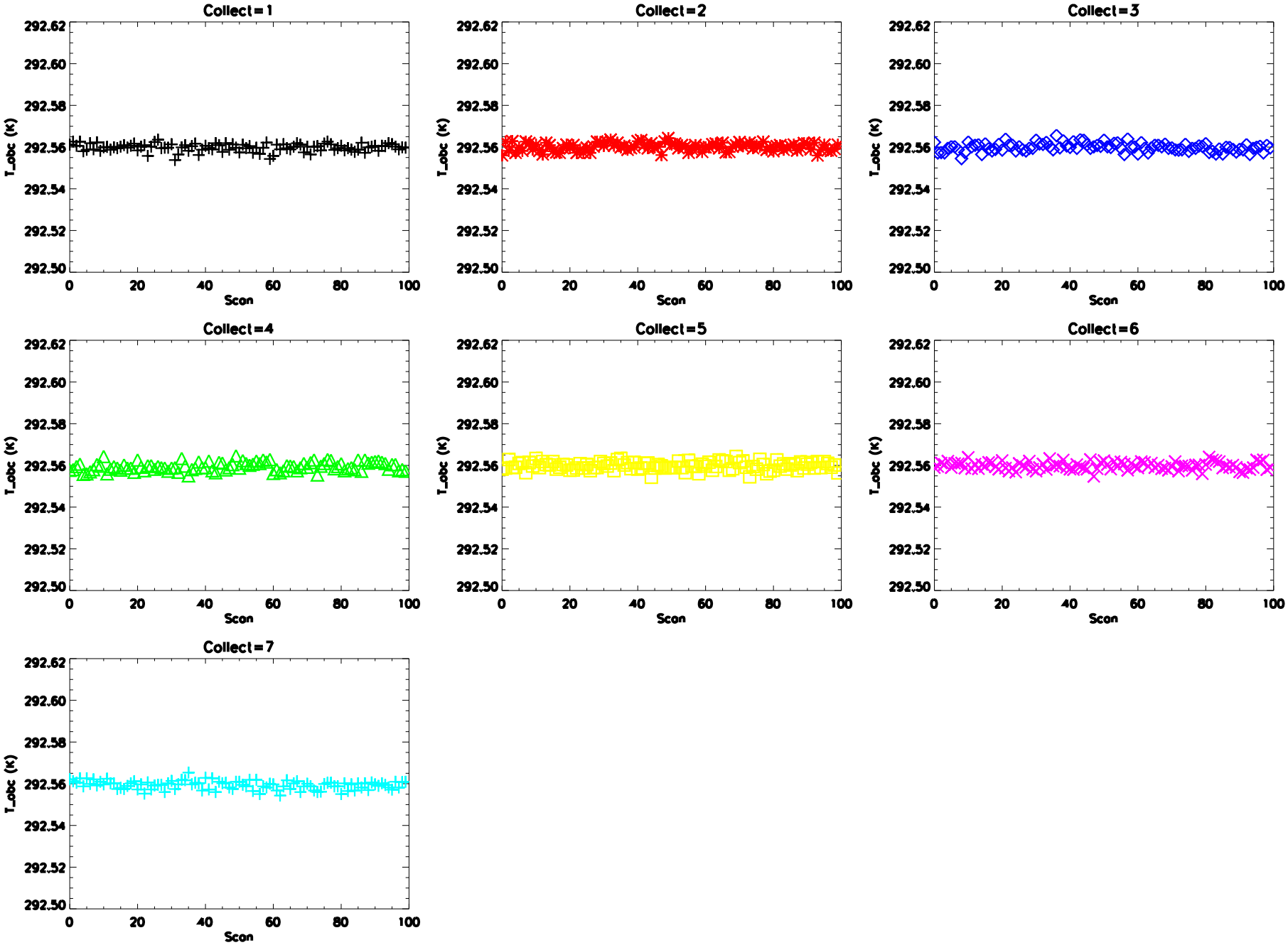

Collect=4
T_ham (K)
256.50
256.48
256.46
256.44
256.42
256.40
256.38
256.36
0
20
40
60
80
100
Scan

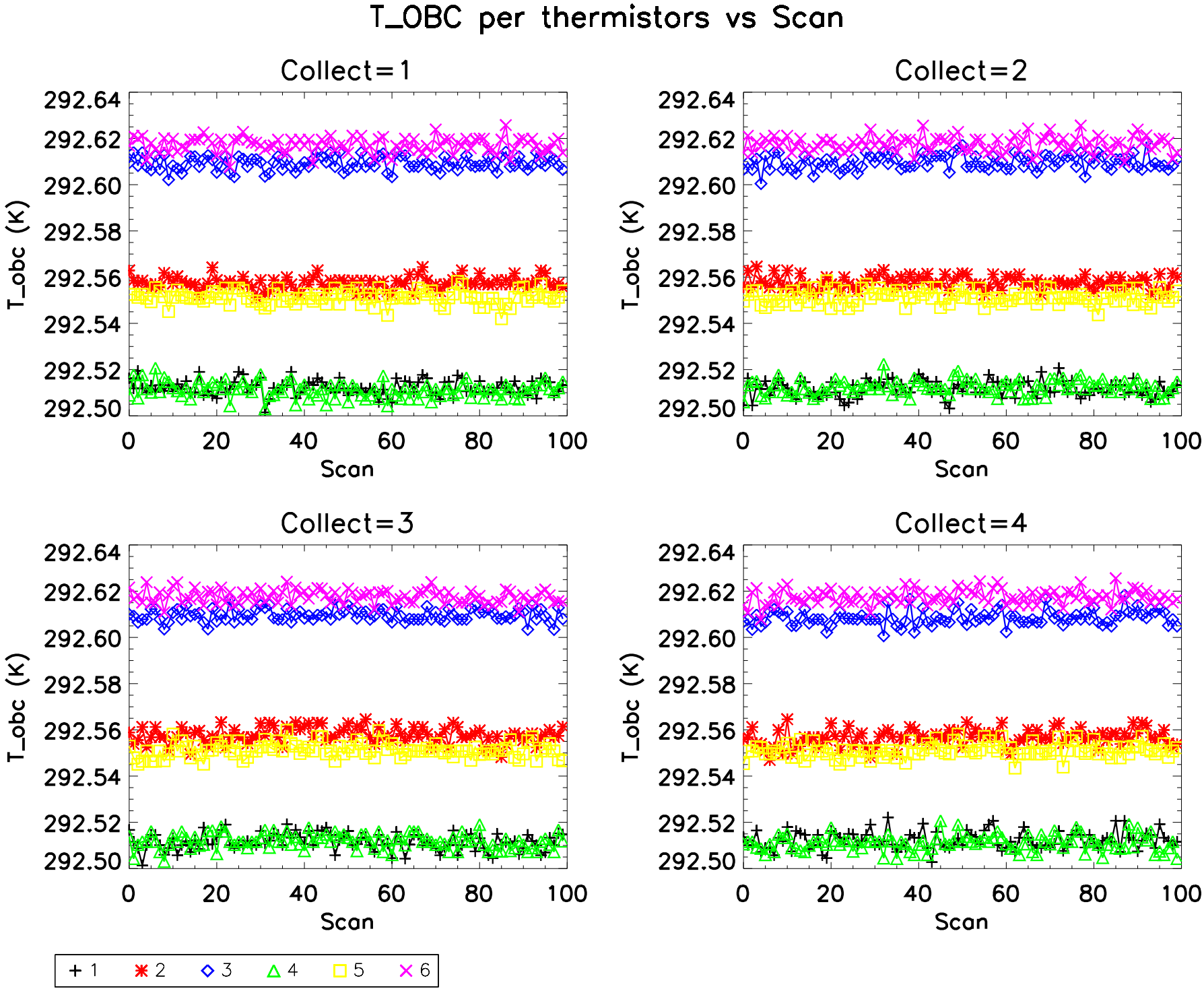

Collect=5
T_ham (K)
256.48
256.46
256.44
256.42
256.40
256.38
256.36
0
20
40
60
80
100
Scan

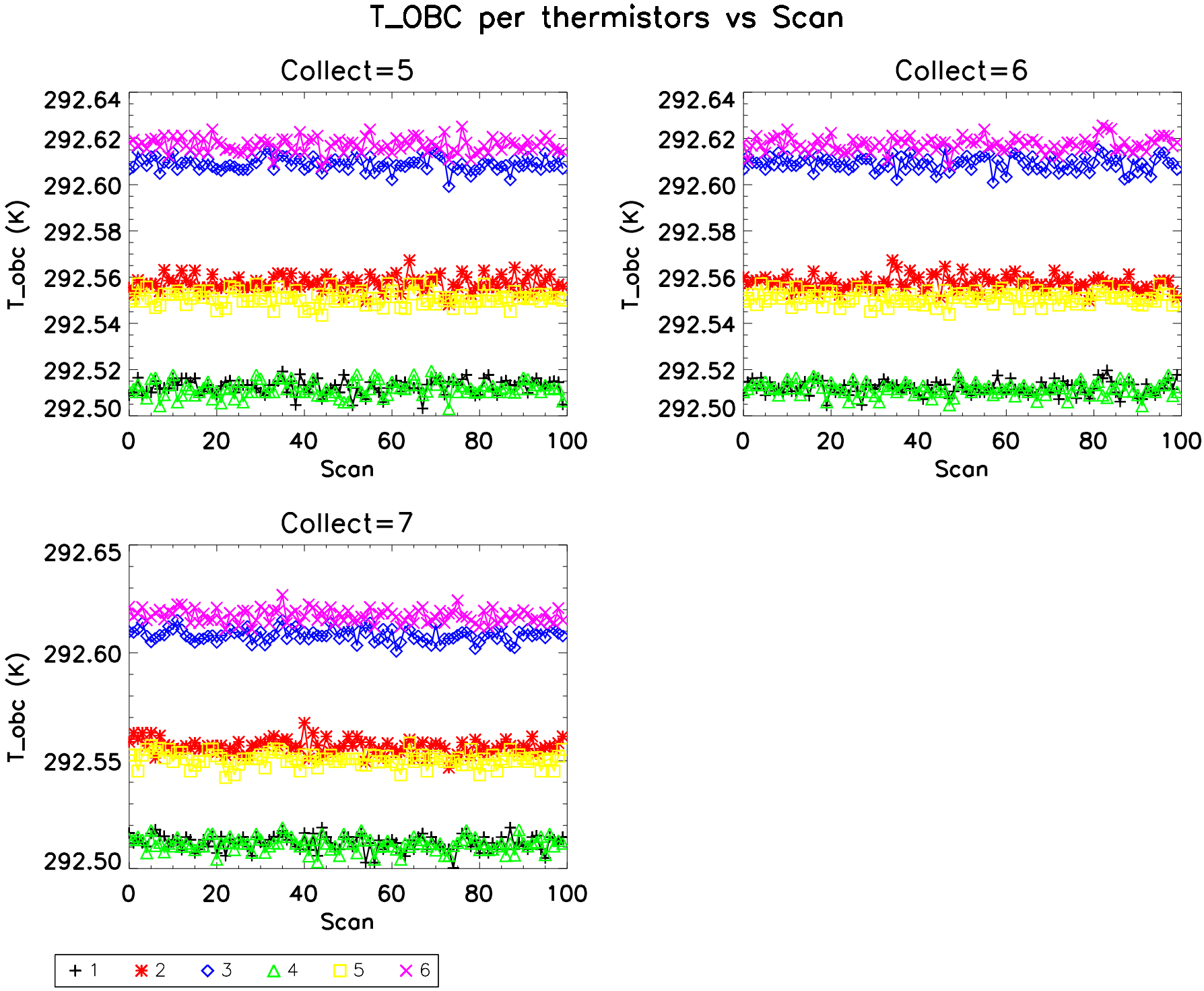

Collect=6
T_ham (K)
256.48
256.46
256.44
256.42
256.40
256.38
256.36
0
20
40
60
80
100
Scan

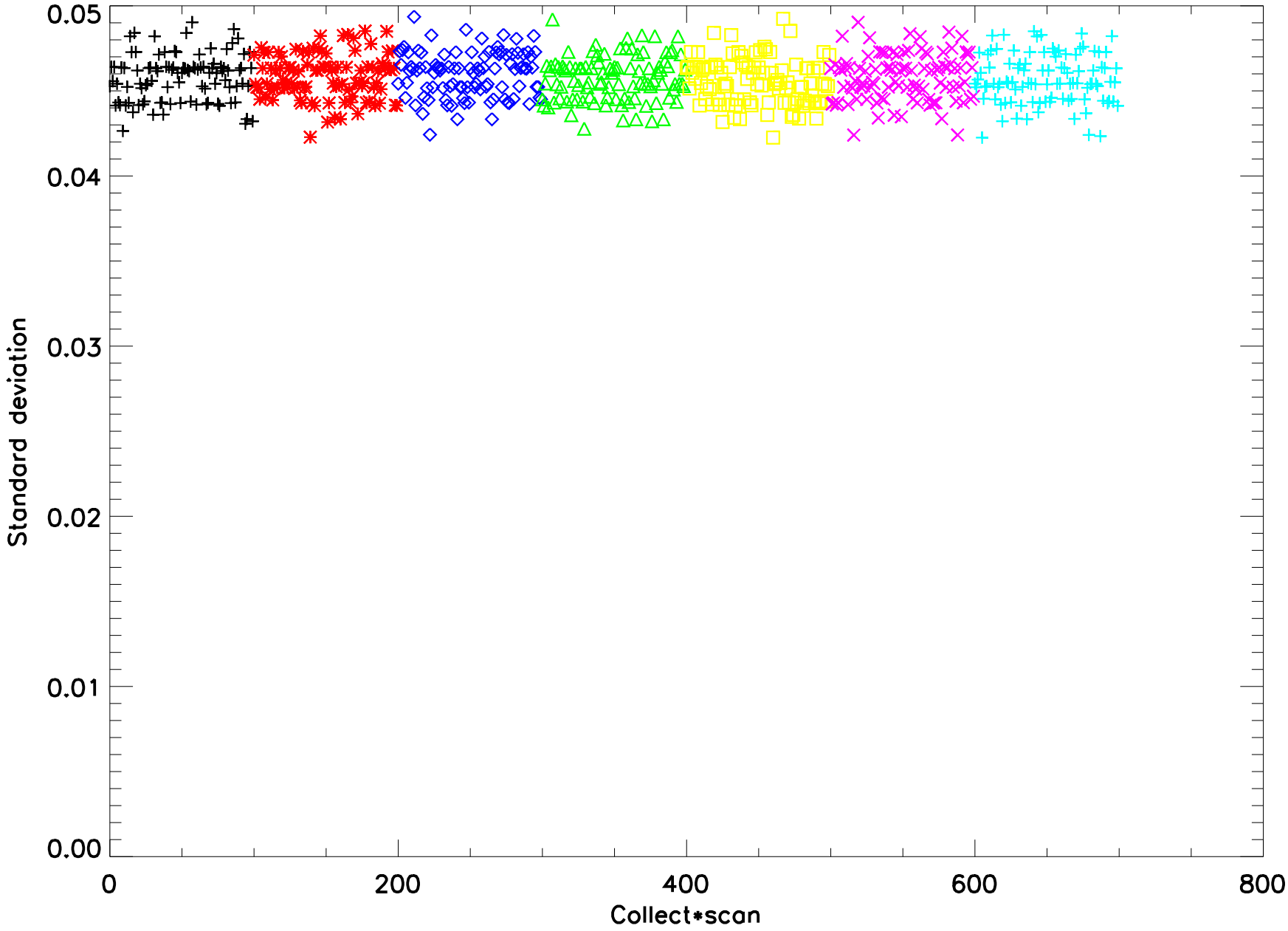

Collect=7
T_ham (K)
256.48
256.46
256.44
256.42
256.40
256.38
256.36
0
20
40
60
80
100
Scan

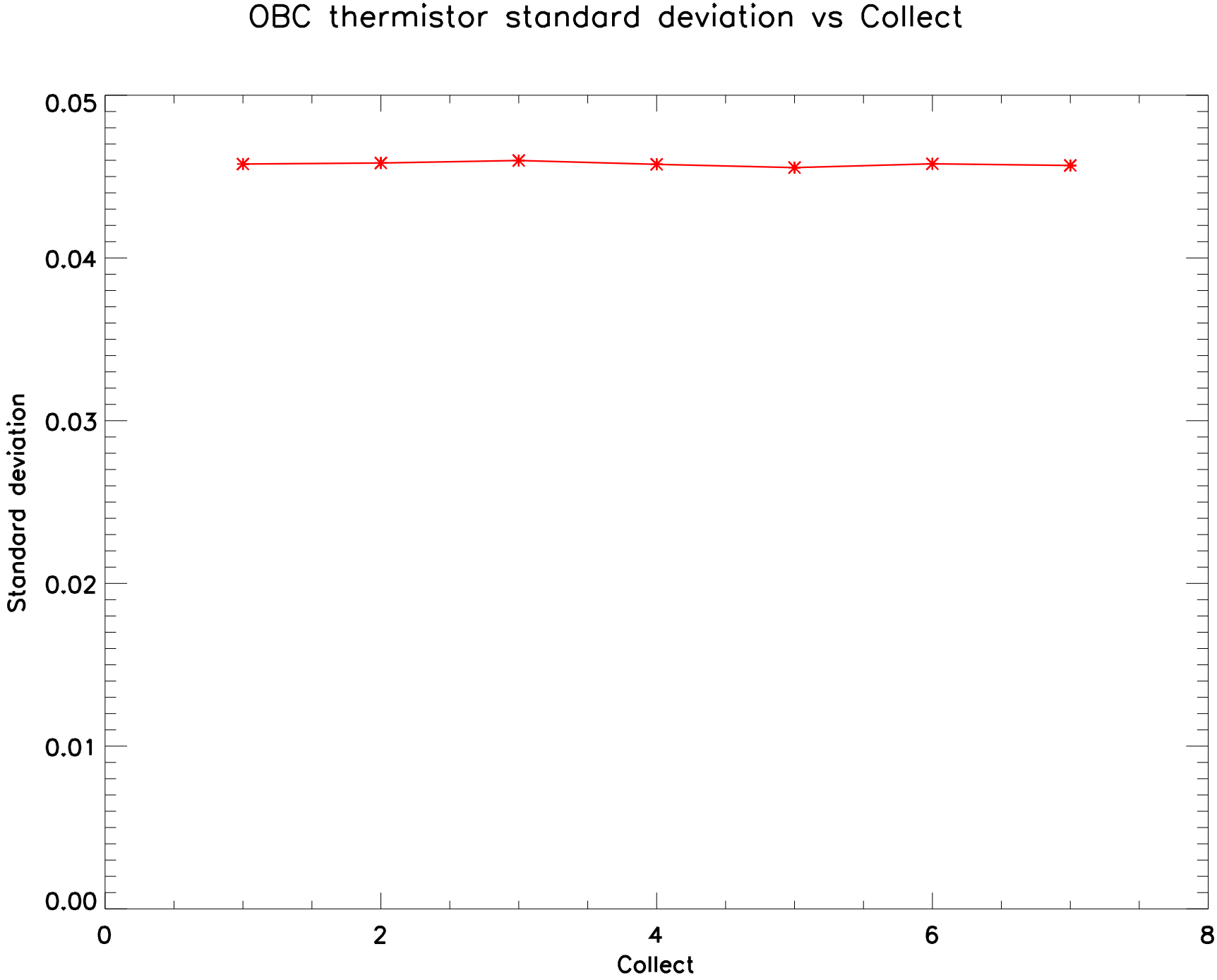
T_obc vs Scan

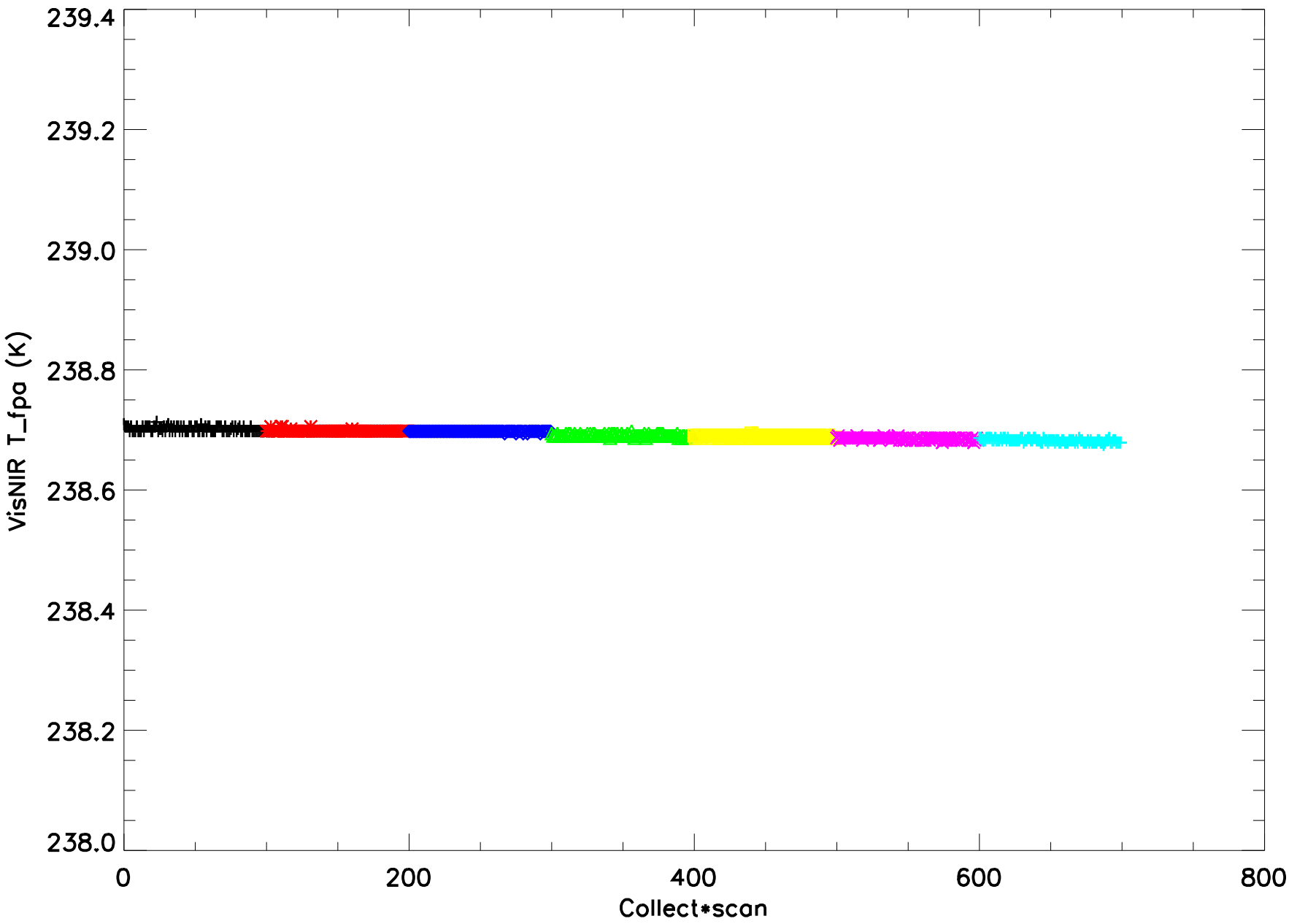

Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
T_obc (K)
Scan
292.62
292.60
292.58
292.56
292.54
292.52
292.50
0
20
40
60
80
100

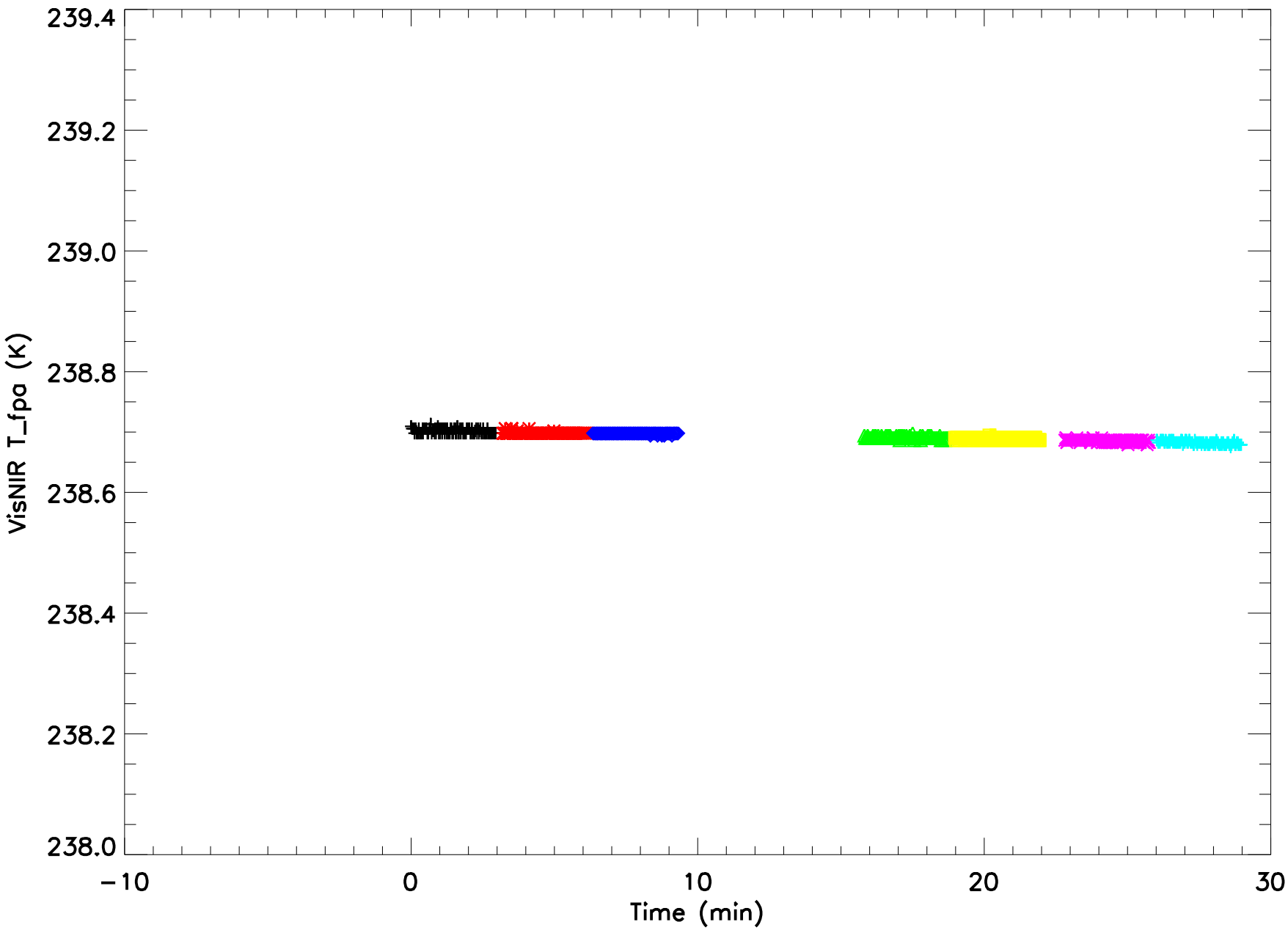

T_OBC per thermistors vs Scan
Collect=1
Collect=2
Collect=3
Collect=4
T_obc (K)
Scan
292.64
292.62
292.60
292.58
292.56
292.54
292.52
292.50
0
20
40
60
80
100
1
2
3
4
5
6


T_OBC per thermistors vs Scan
Collect=5
Collect=6
Collect=7
T_obc (K)
Scan
292.64
292.62
292.60
292.58
292.56
292.54
292.52
292.50
292.65
292.55
0
20
40
60
80
100
1
2
3
4
5
6

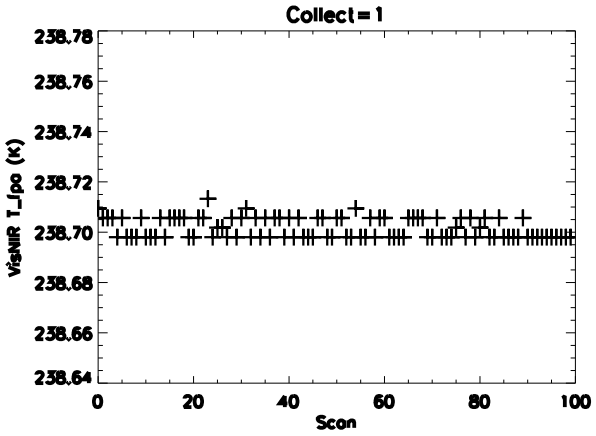

OBC thermistor standard deviation vs Scan and Collect
Standard deviation
0.05
0.04
0.03
0.02
0.01
0.00
0
200
400
600
800
Collect*scan

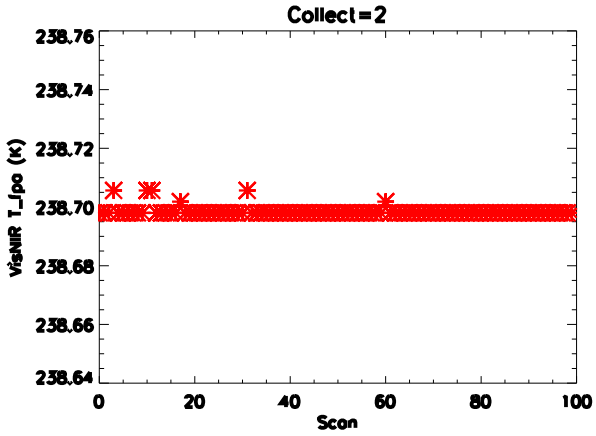

OBC thermistor standard deviation vs Collect
Standard deviation
0.05
0.04
0.03
0.02
0.01
0.00
0
2
4
6
8
Collect

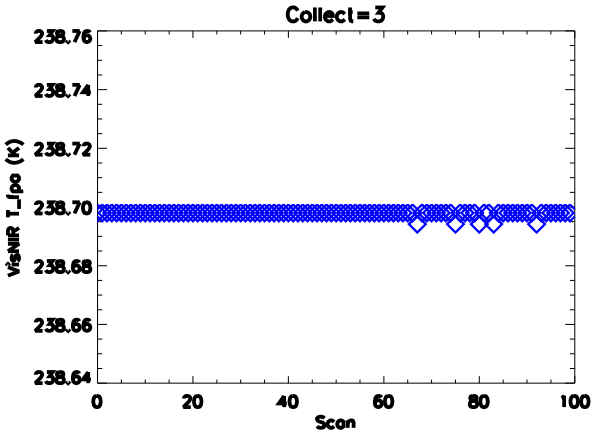

VisNIR T_fpa vs Scan and Collect
239.4
239.2
239.0
238.8
238.6
238.4
238.2
238.0
VisNIR T_fpa (K)
0
200
400
600
800
Collect*scan

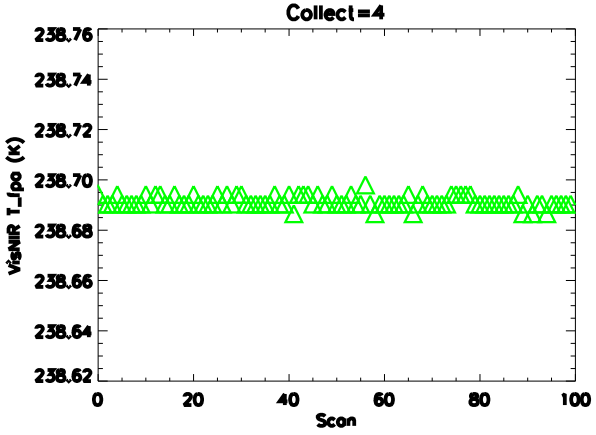

VisNIR T_fpa vs Time
239.4
239.2
239.0
238.8
238.6
238.4
238.2
238.0
VisNIR T_fpa (K)
−10
0
10
20
30
Time (min)

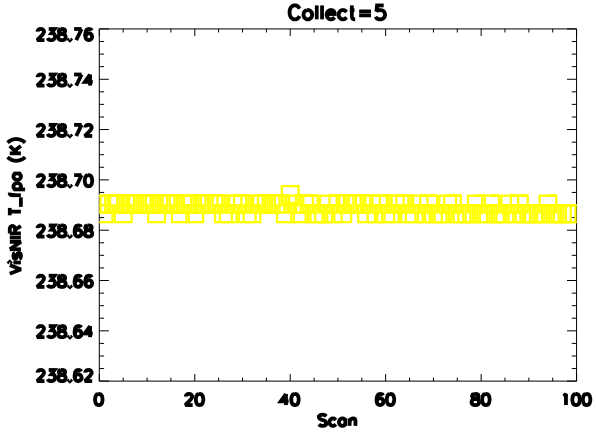
VisNIR T_fpa vs Scan

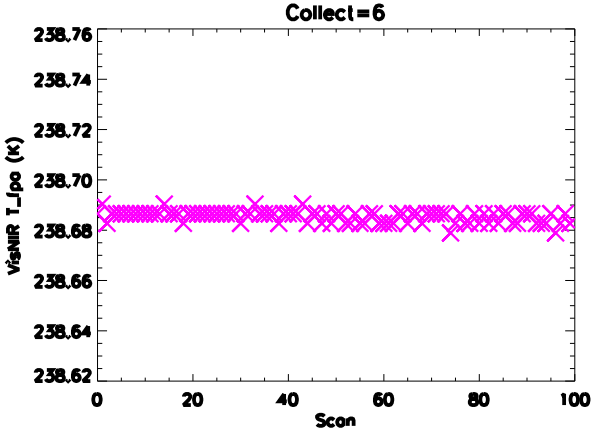


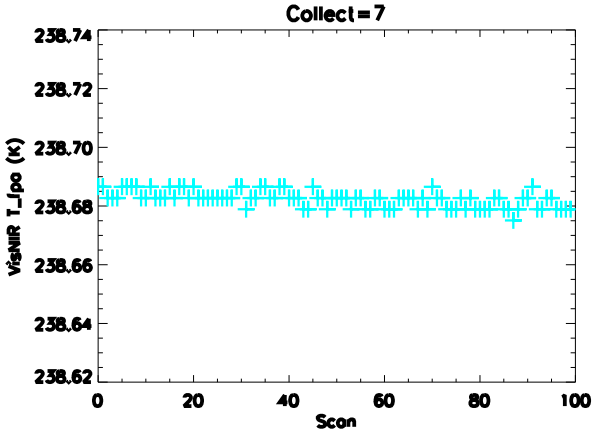


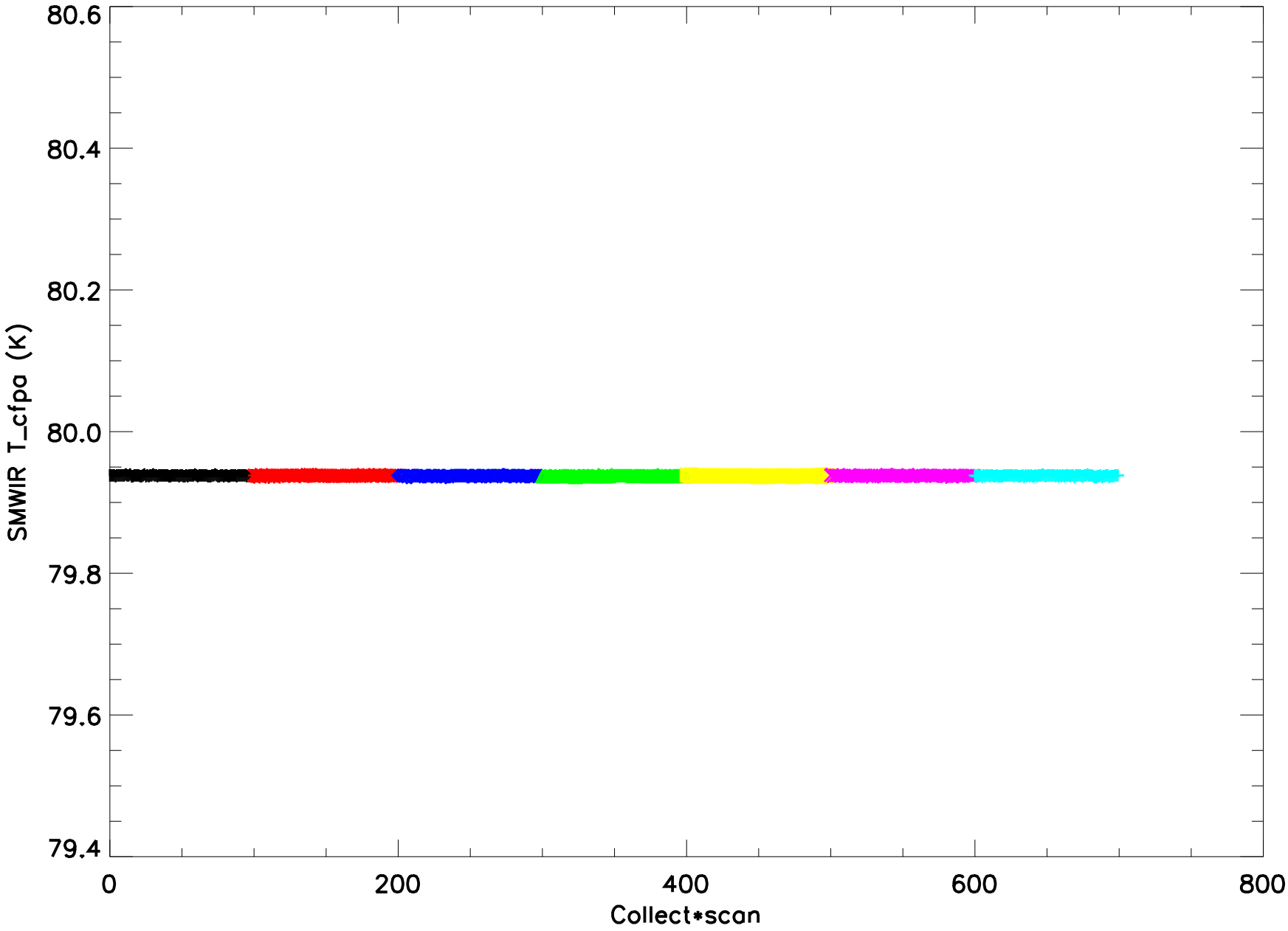


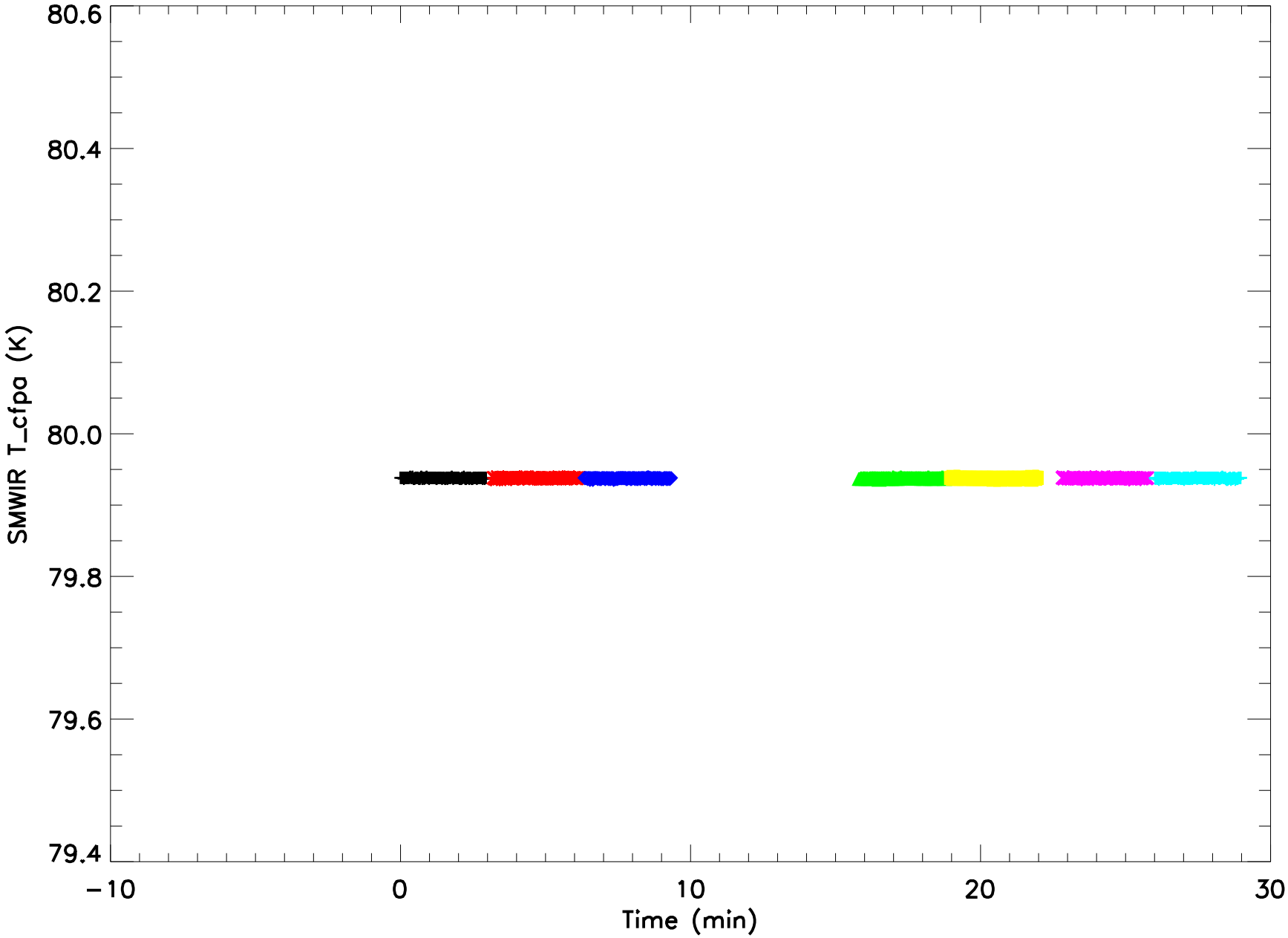




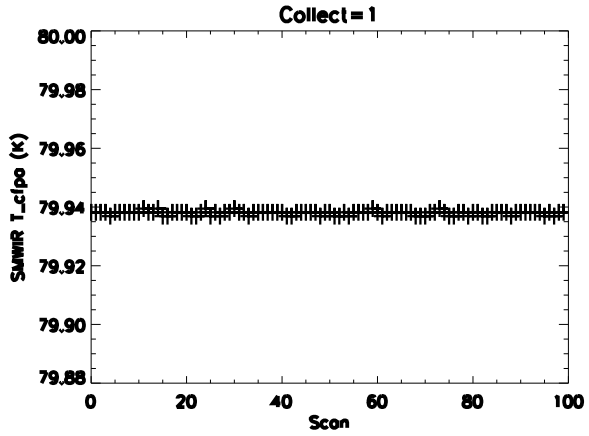


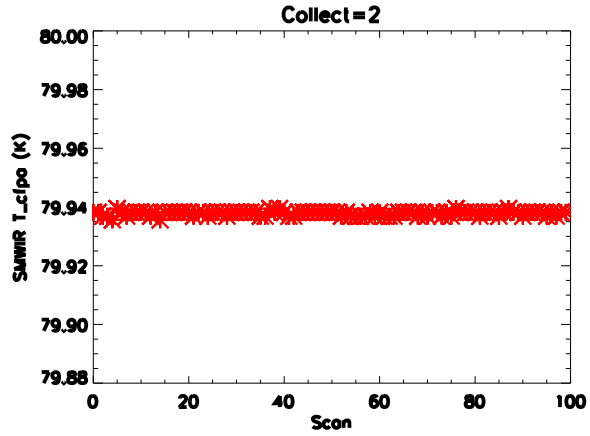


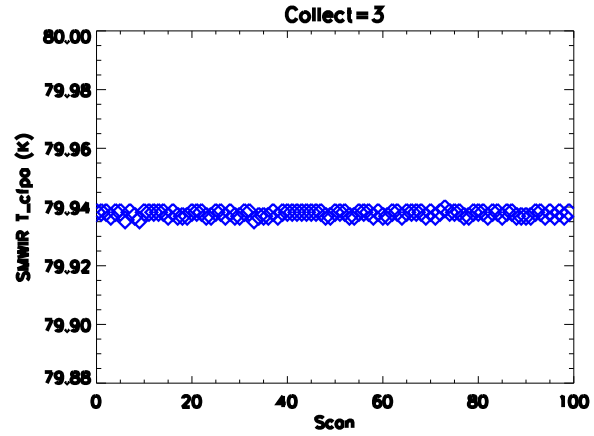

SMWIR T_cfpa vs Scan and Collect
80.6
80.4
80.2
80.0
79.8
79.6
79.4
SMWIR T_cfpa (K)
0
200
400
600
800
Collect*scan

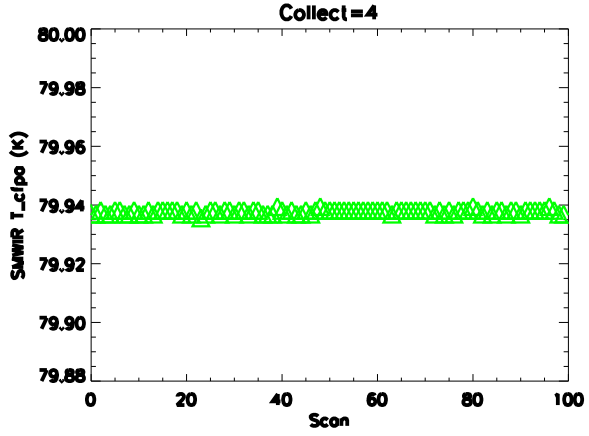

SMWIR T_cfpa vs Time
80.6
80.4
80.2
80.0
79.8
79.6
79.4
SMWIR T_cfpa (K)
−10
0
10
20
30
Time (min)

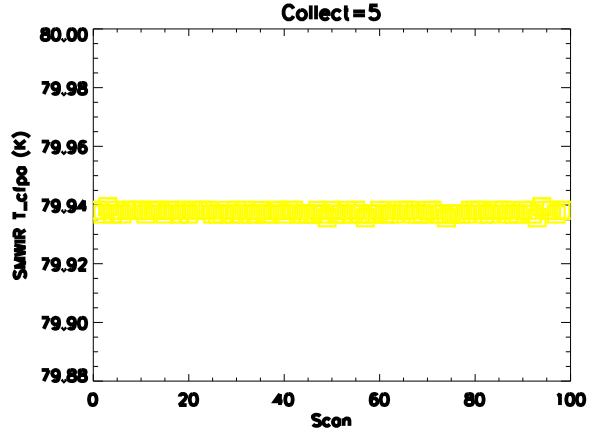
SMWIR T_cfpa vs Scan

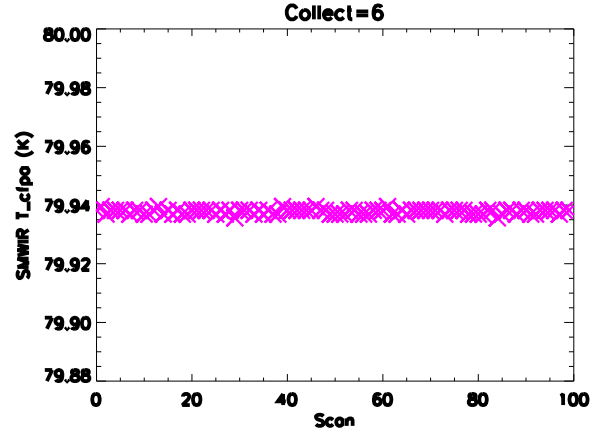


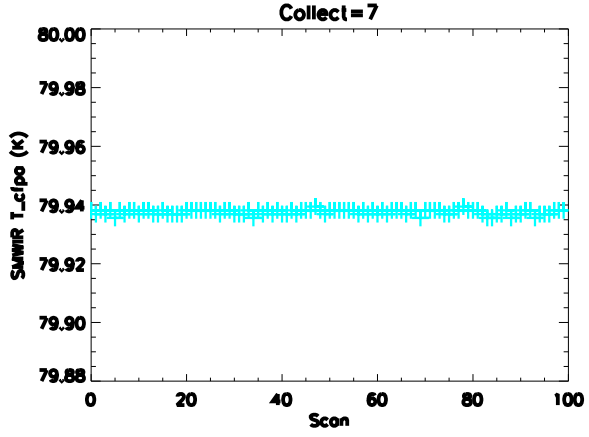


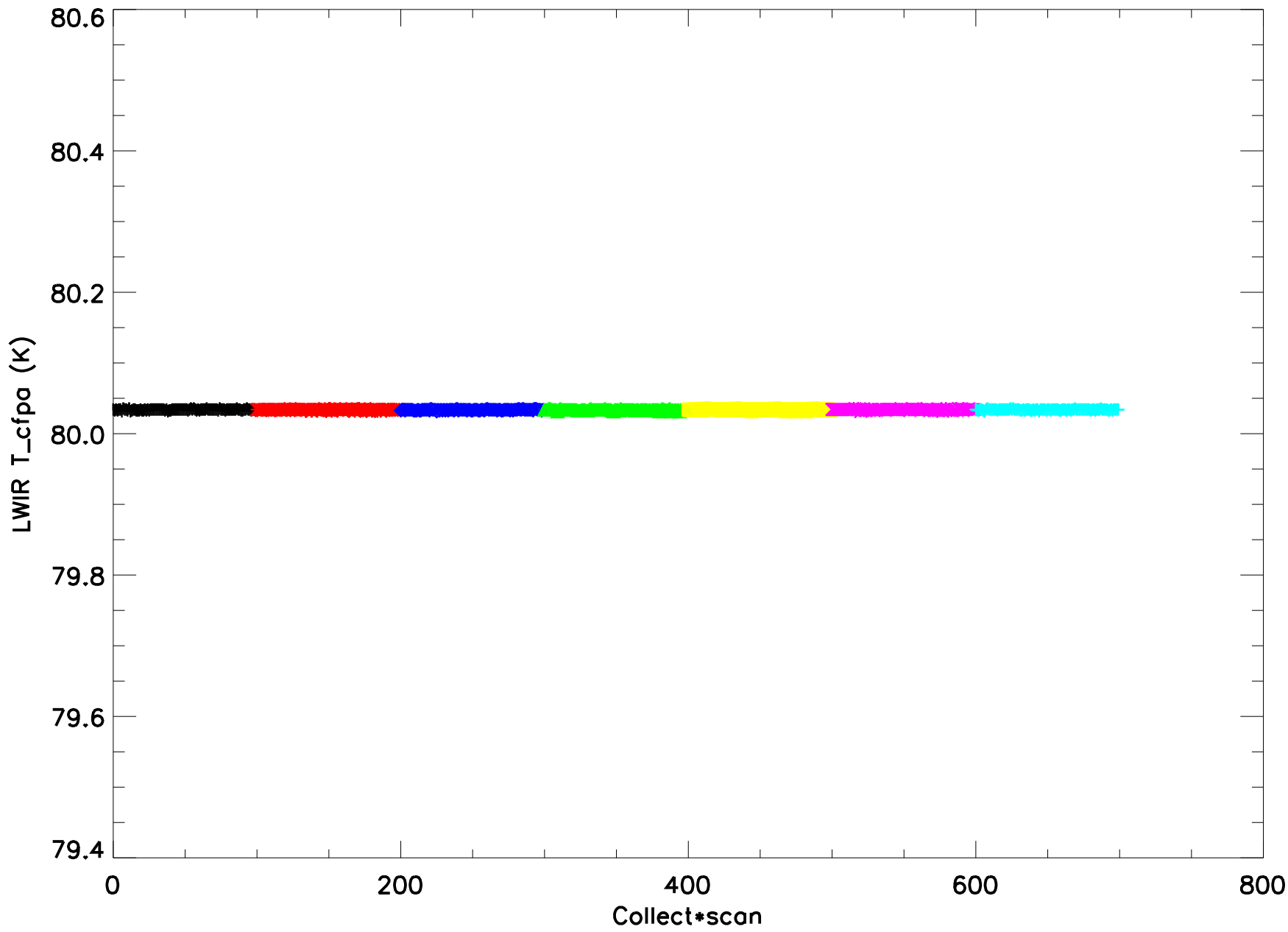


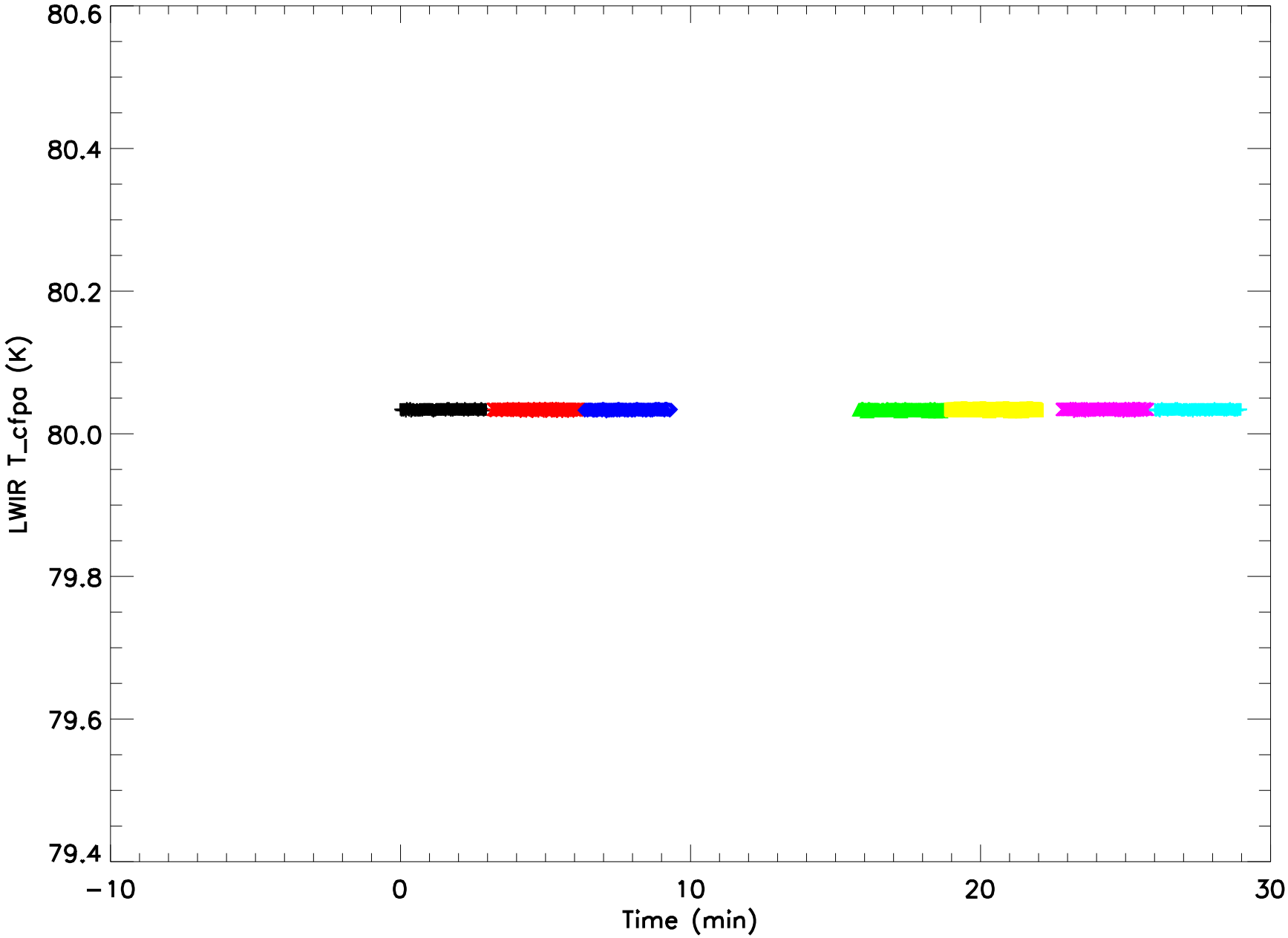




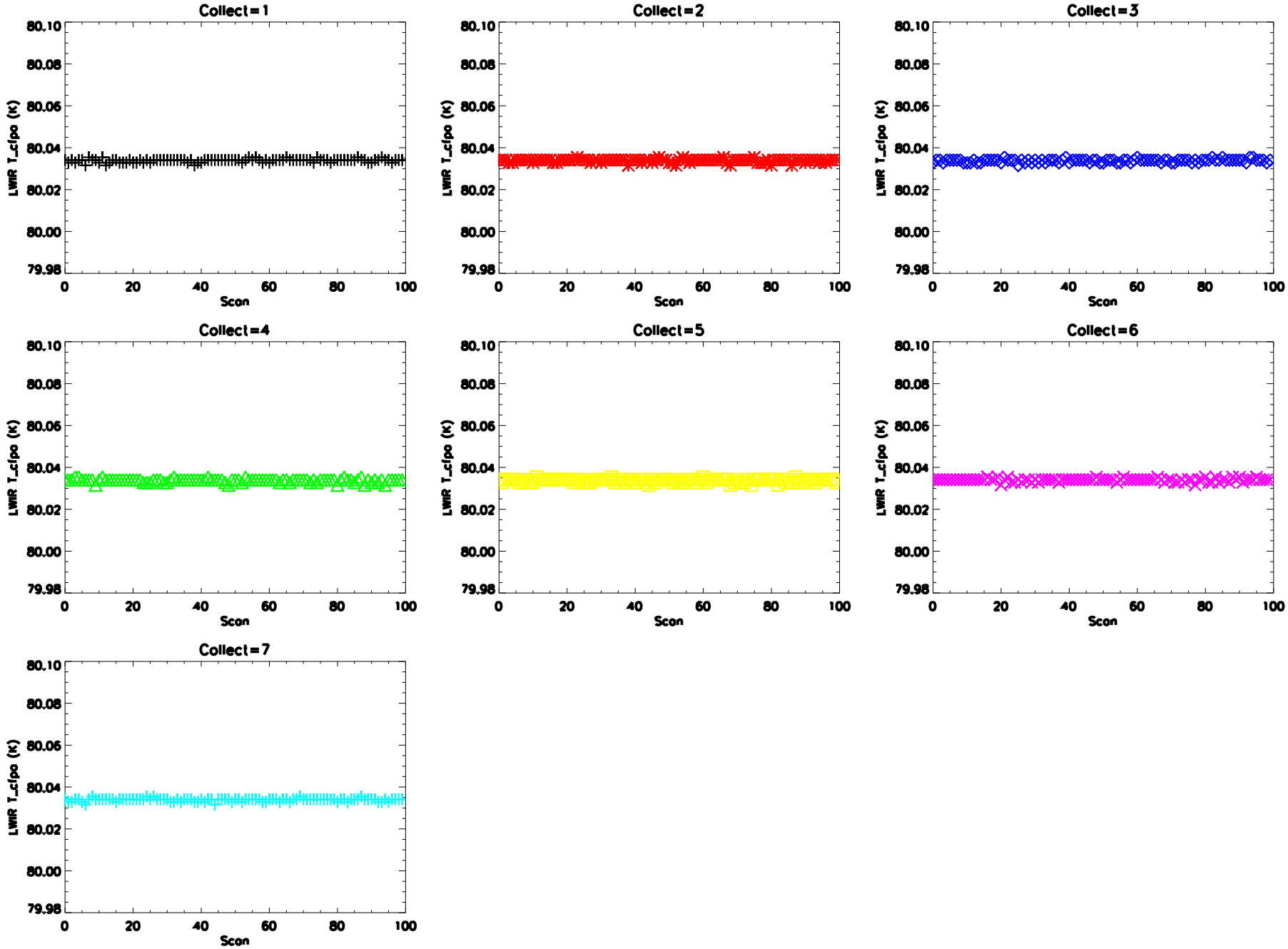


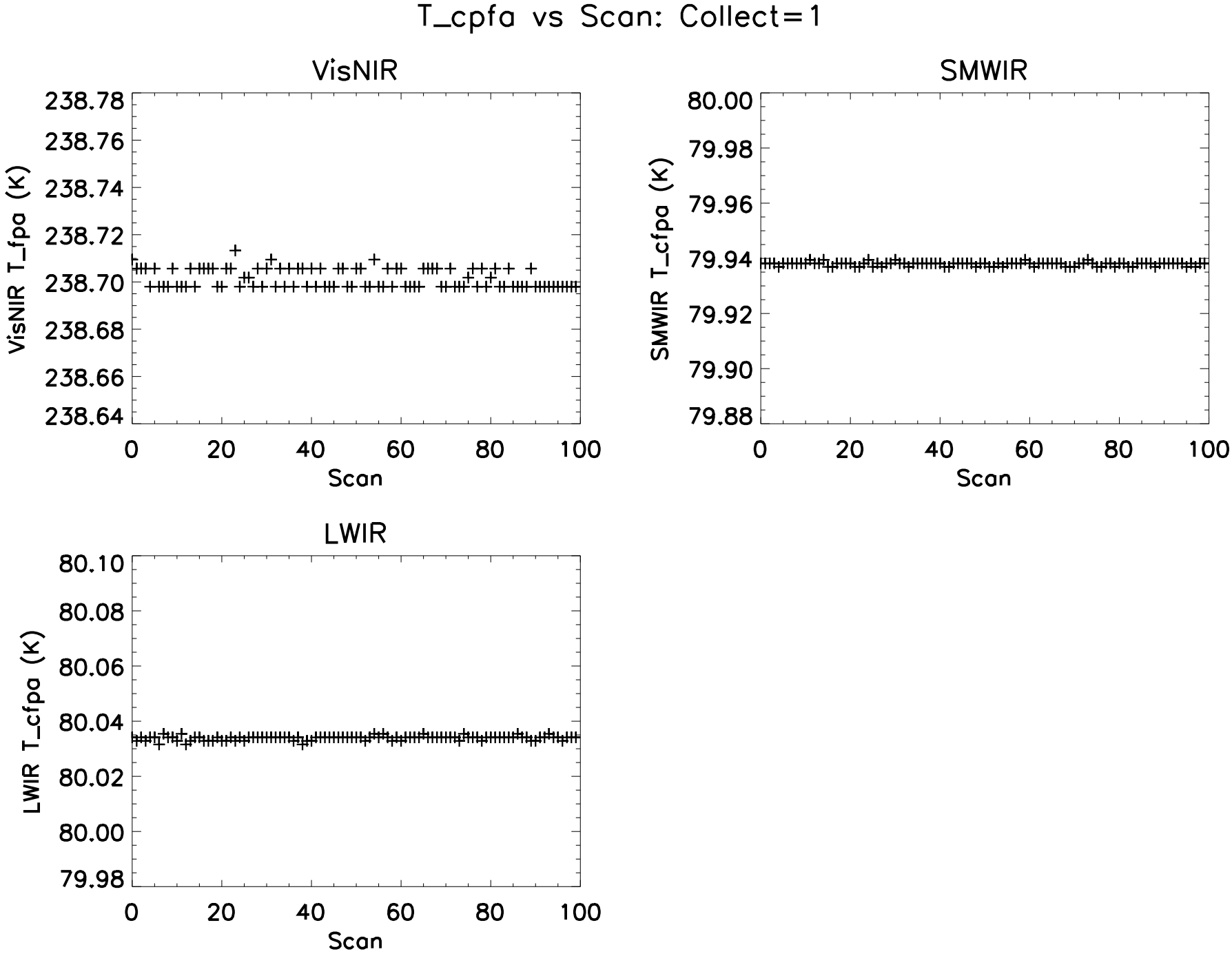


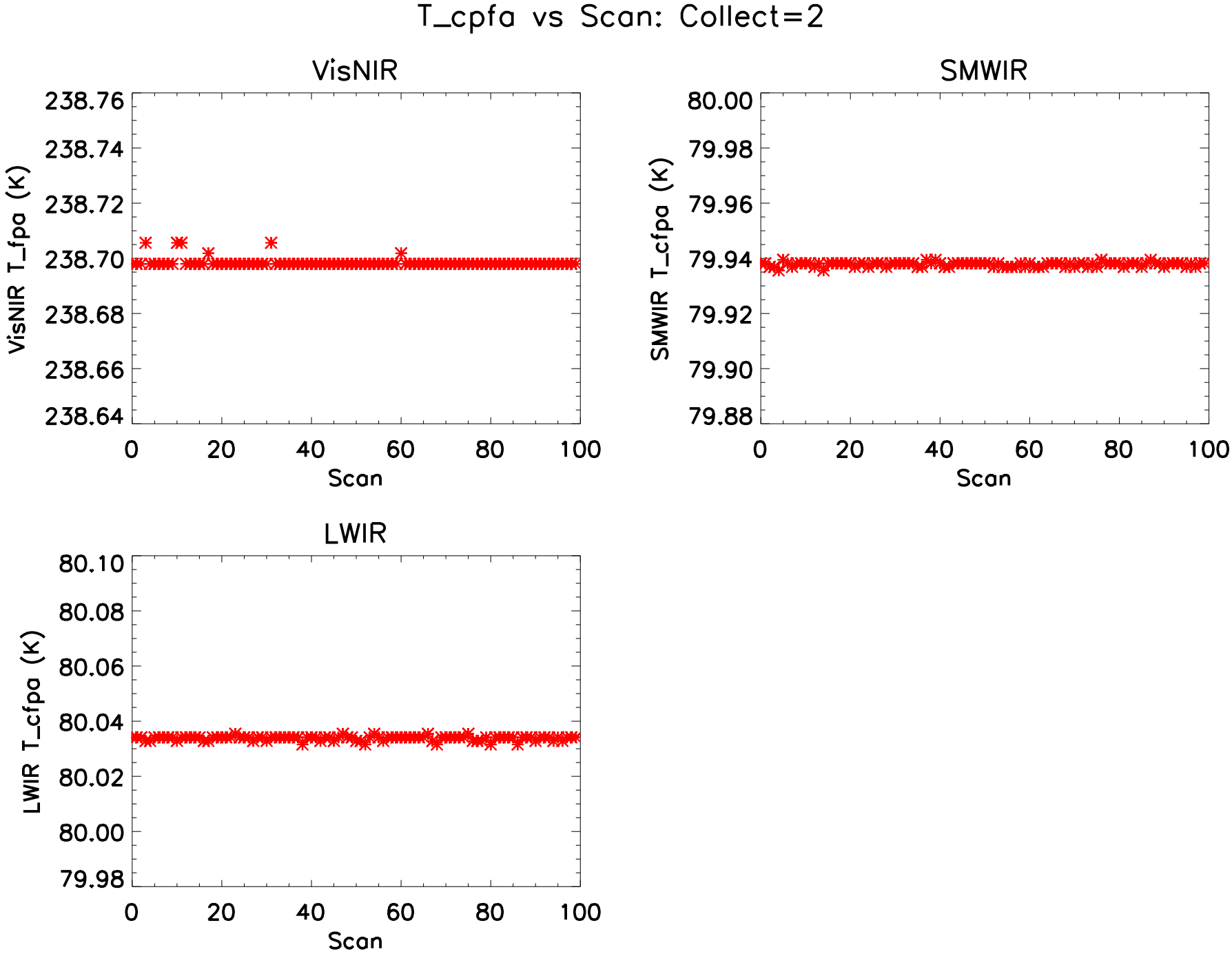

LWIR T_cfpa vs Scan and Collect
LWIR T_cfpa (K)
80.6
80.4
80.2
80.0
79.8
79.6
79.4
0
200
400
600
800
Collect*scan

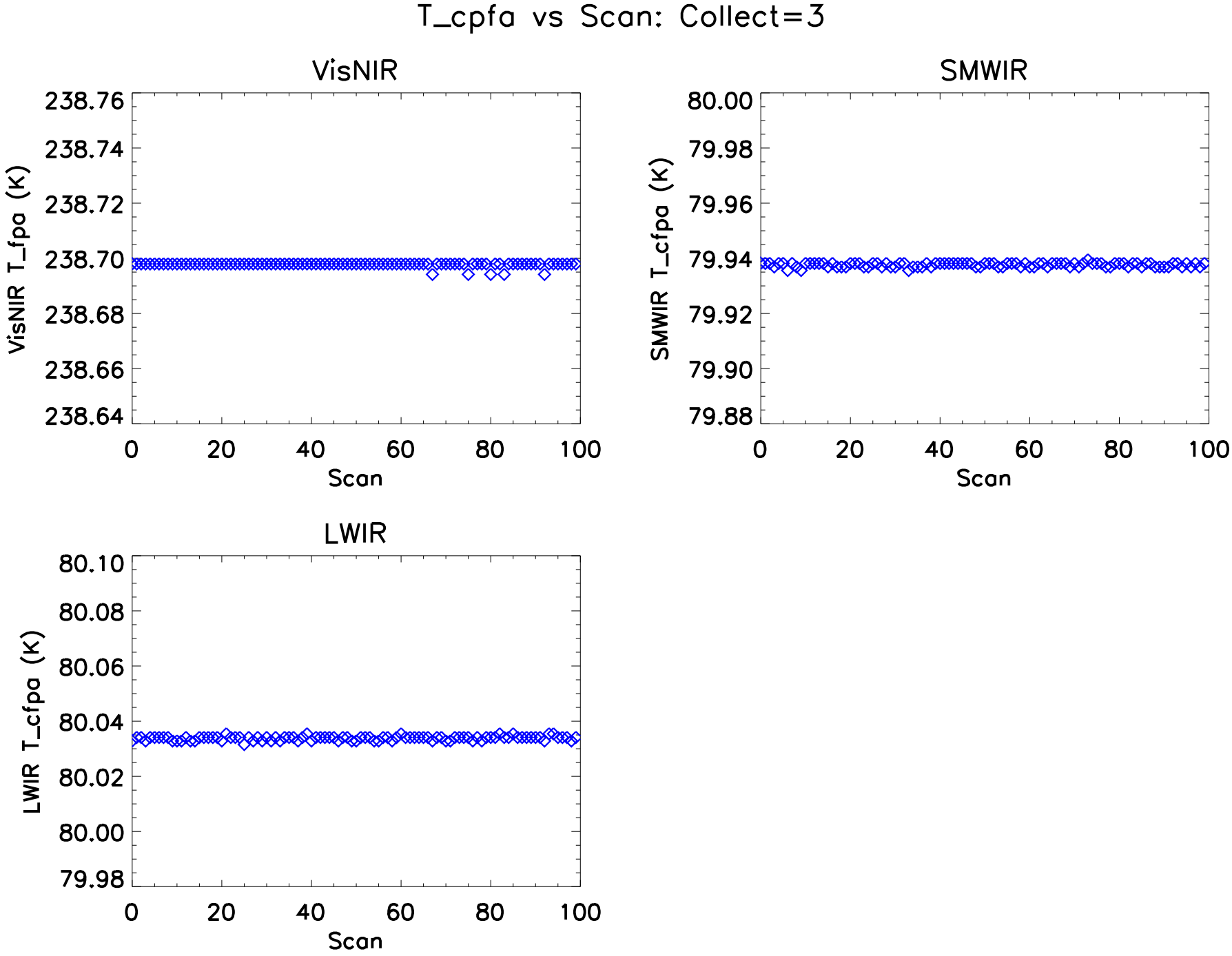

LWIR T_cfpa vs Time
LWIR T_cfpa (K)
80.6
80.4
80.2
80.0
79.8
79.6
79.4
−10
0
10
20
30
Time (min)

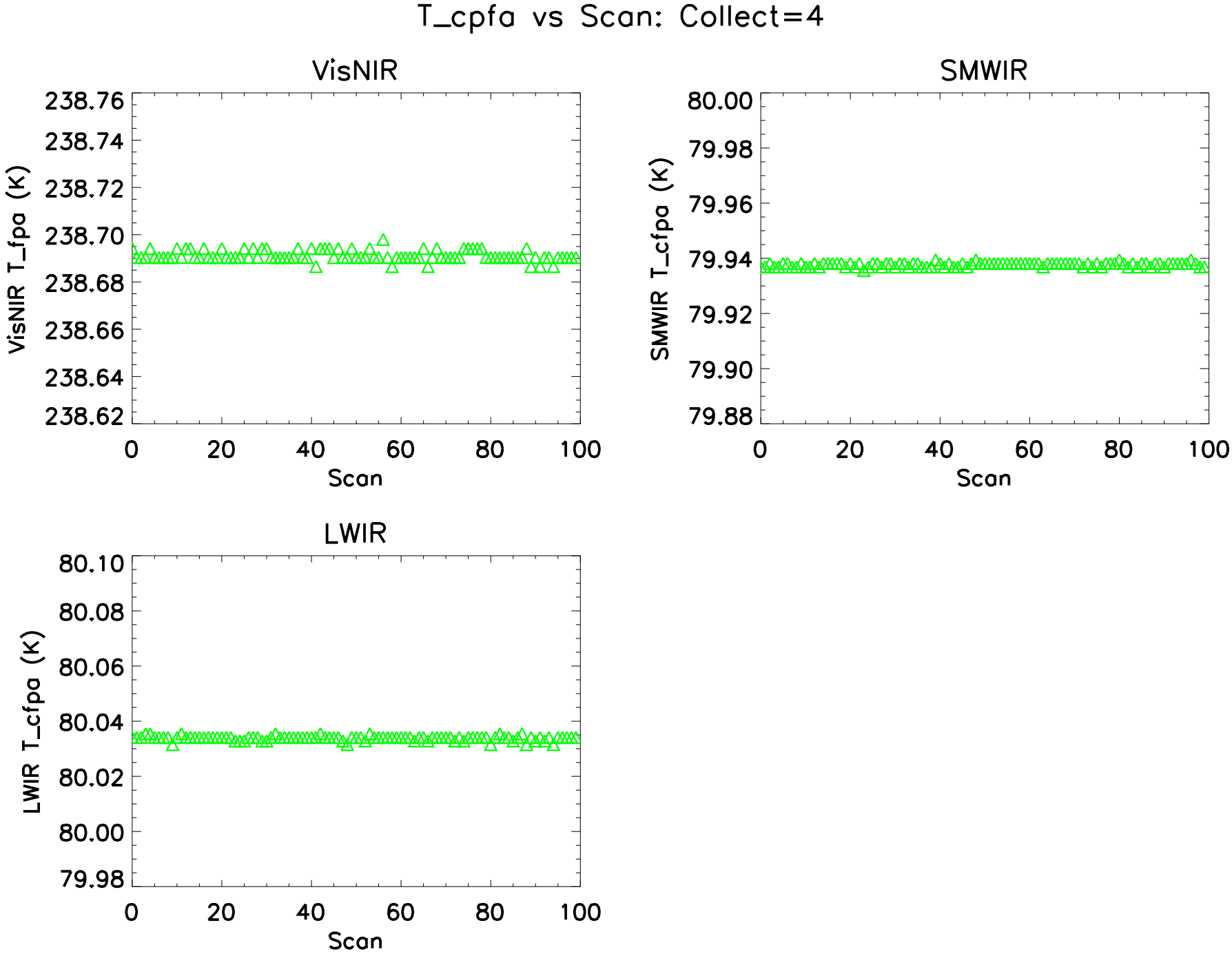
LWIR T_cfpa vs Scan

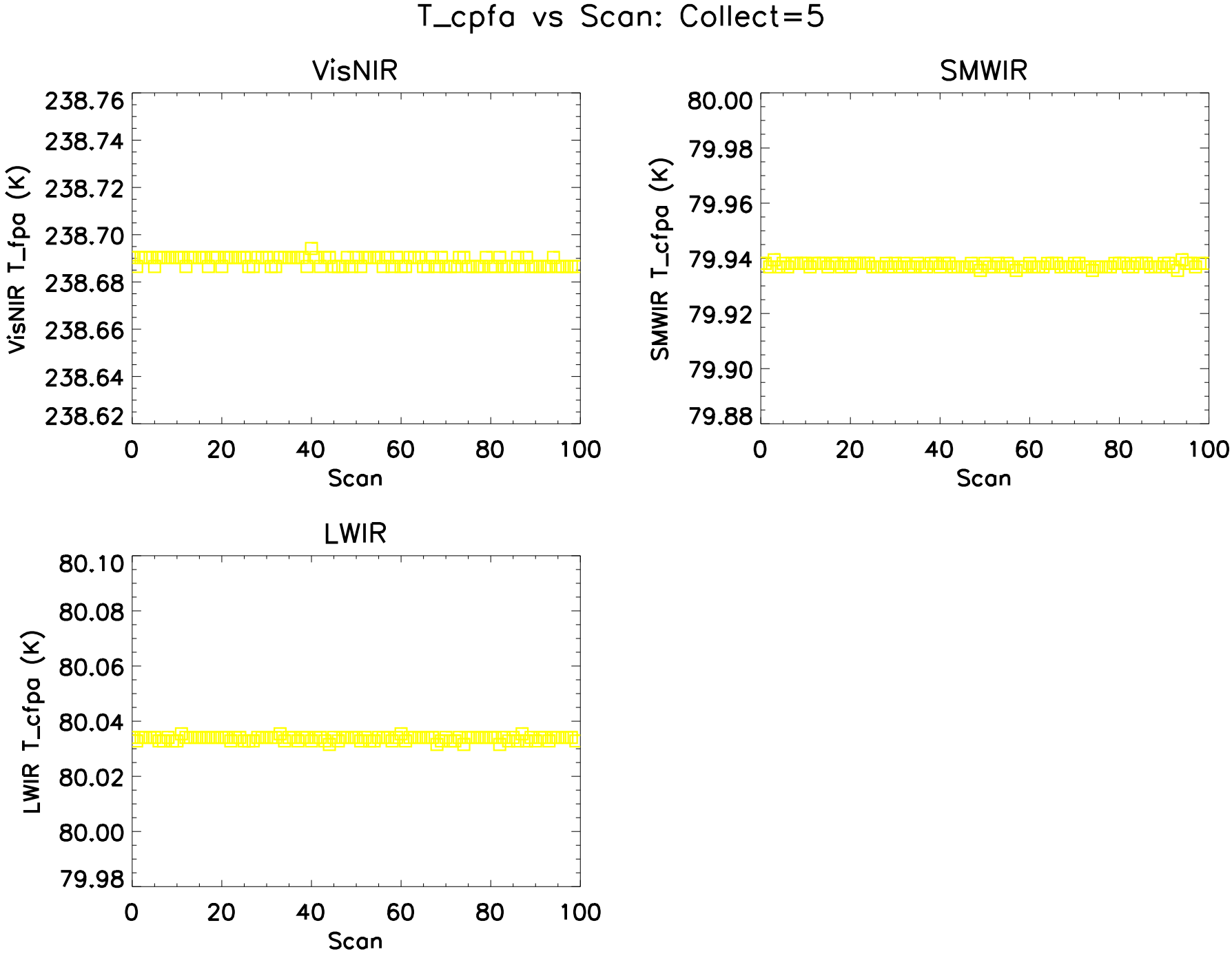


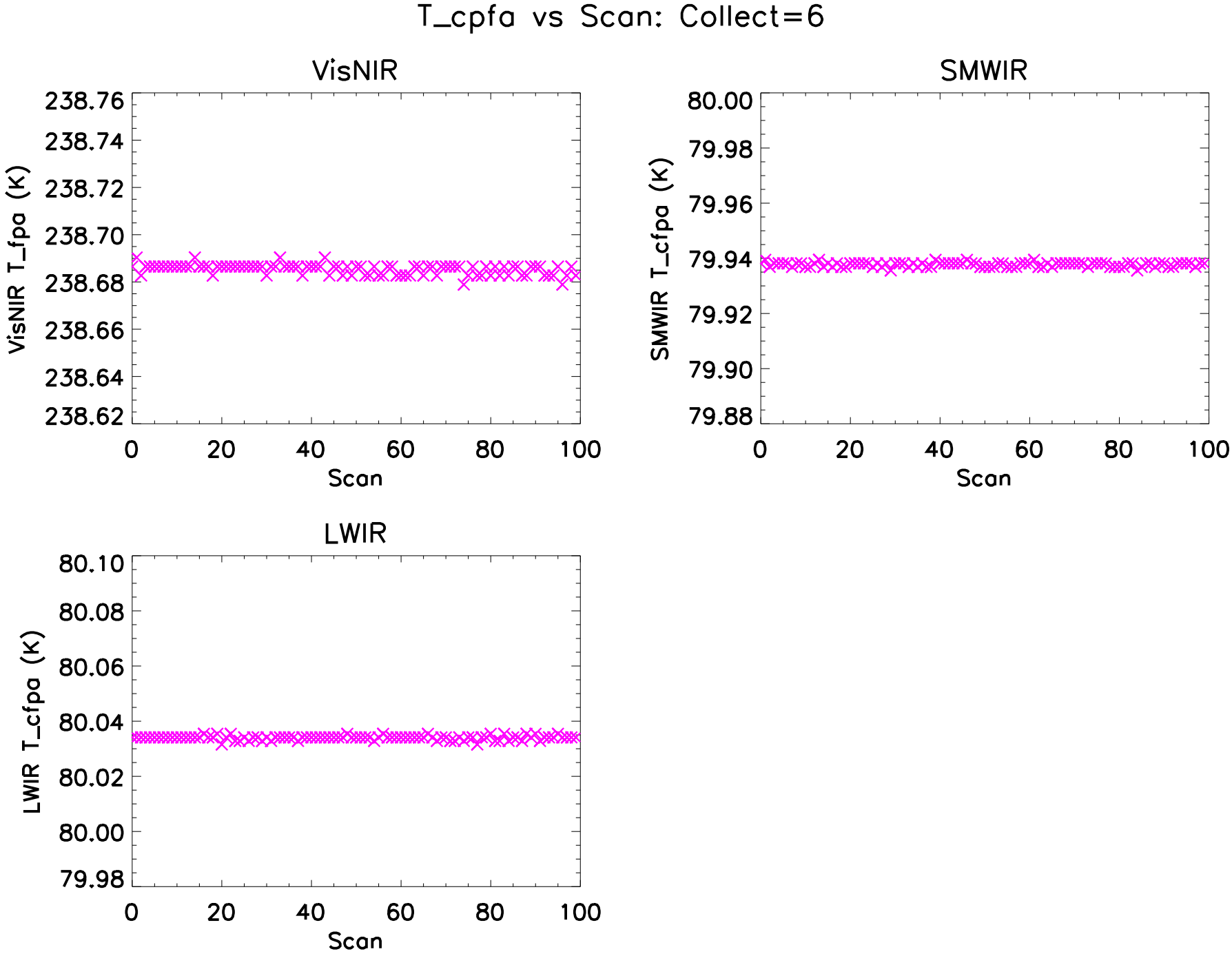

T_cpfa vs Scan: Collect=1
VisNIR
VisNIR T_fpa (K)
238.78
238.76
238.74
238.72
238.70
238.68
238.66
238.64
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
80.00
79.98
79.96
79.94
79.92
79.90
79.88
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
80.10
80.08
80.06
80.04
80.02
80.00
79.98
0
20
40
60
80
100
Scan

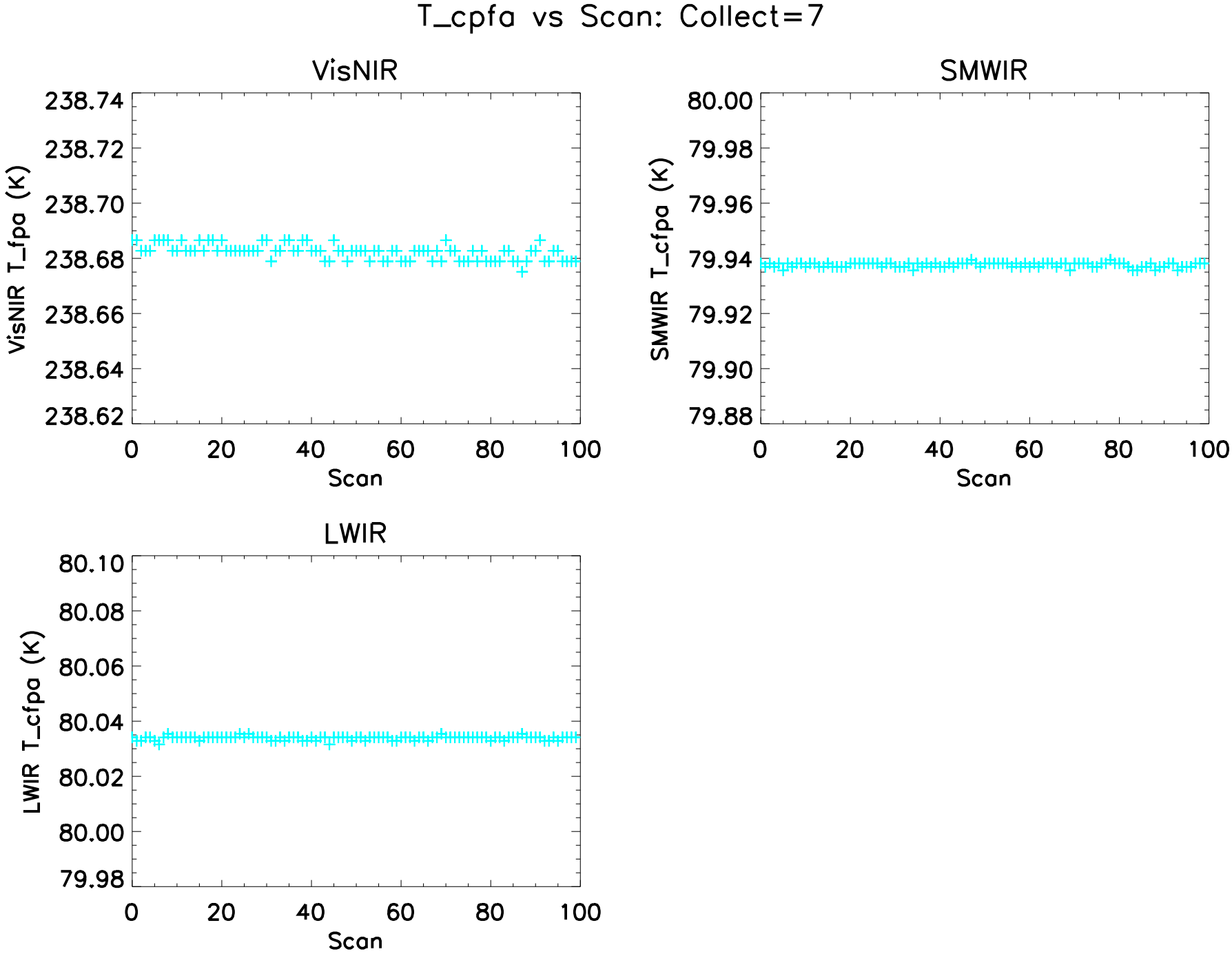

T_cpfa vs Scan: Collect=2
VisNIR
VisNIR T_fpa (K)
238.76
238.74
238.72
238.70
238.68
238.66
238.64
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
80.00
79.98
79.96
79.94
79.92
79.90
79.88
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
80.10
80.08
80.06
80.04
80.02
80.00
79.98
0
20
40
60
80
100
Scan

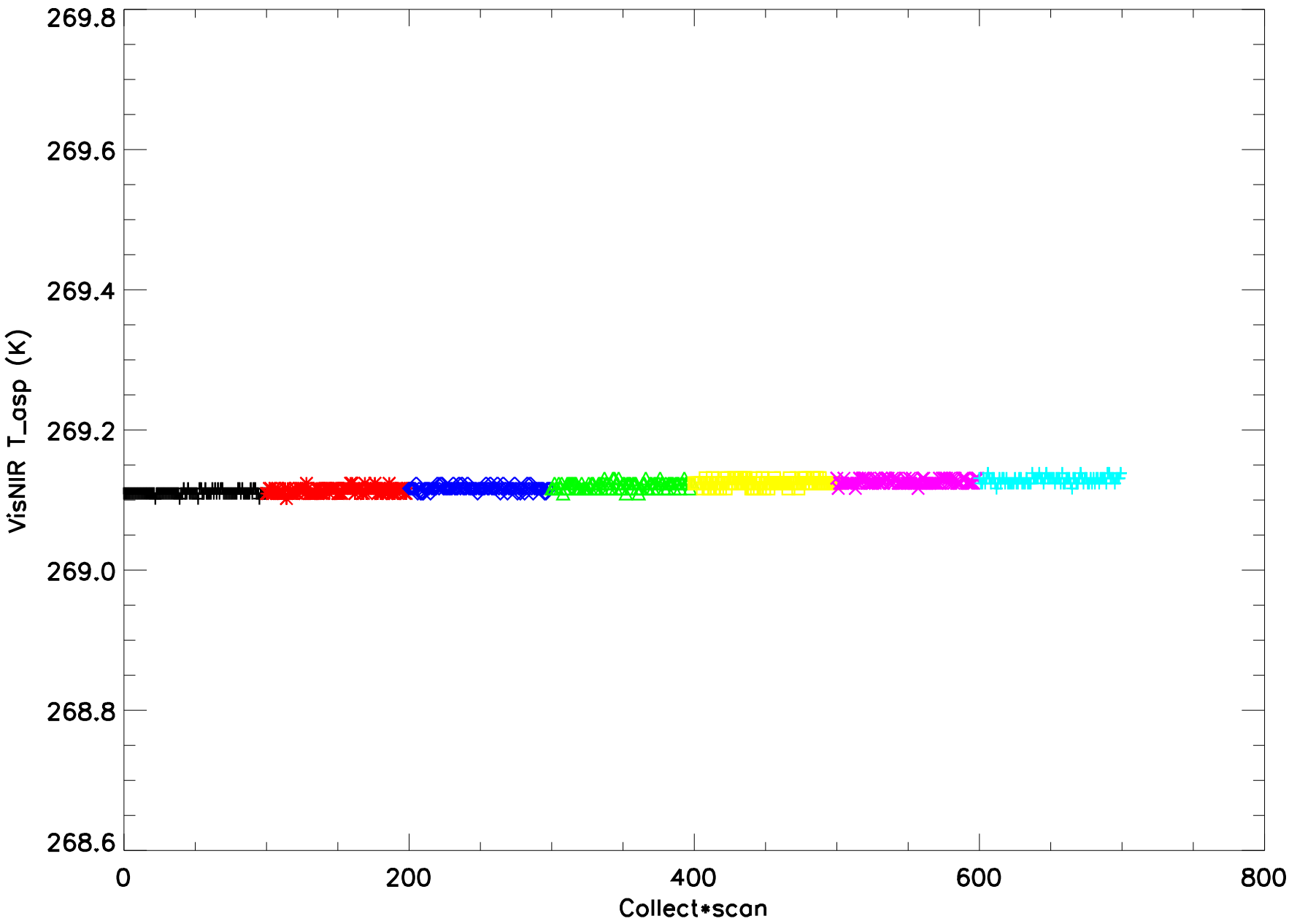

T_cpfa vs Scan: Collect=3
VisNIR
VisNIR T_fpa (K)
238.76
238.74
238.72
238.70
238.68
238.66
238.64
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
80.00
79.98
79.96
79.94
79.92
79.90
79.88
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
80.10
80.08
80.06
80.04
80.02
80.00
79.98
0
20
40
60
80
100
Scan

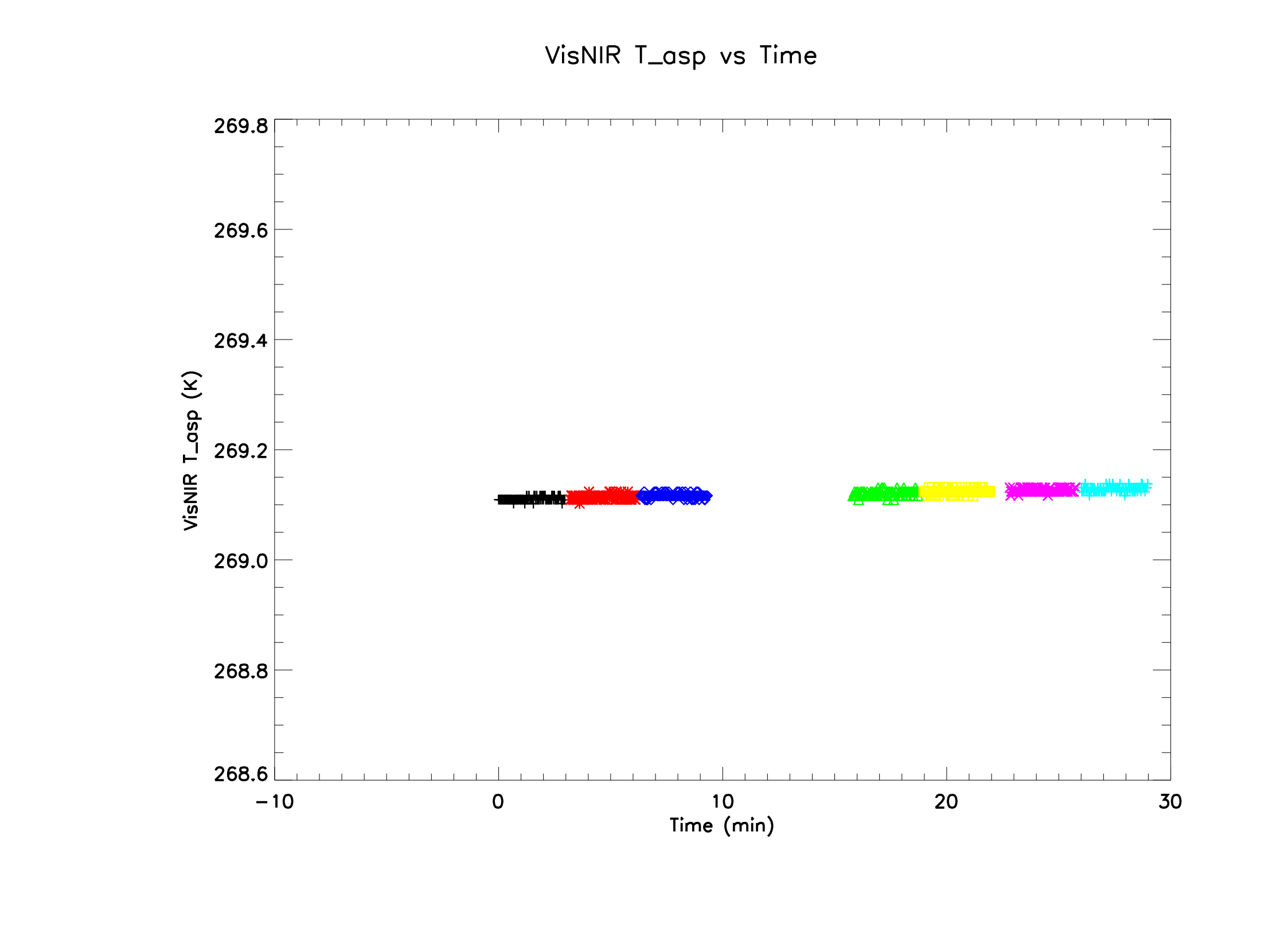

T_cpfa vs Scan: Collect=4
VisNIR
VisNIR T_fpa (K)
238.76
238.74
238.72
238.70
238.68
238.66
238.64
238.62
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
80.00
79.98
79.96
79.94
79.92
79.90
79.88
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
80.10
80.08
80.06
80.04
80.02
80.00
79.98
0
20
40
60
80
100
Scan


T_cpfa vs Scan: Collect=5
VisNIR
VisNIR T_fpa (K)
238.76
238.74
238.72
238.70
238.68
238.66
238.64
238.62
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

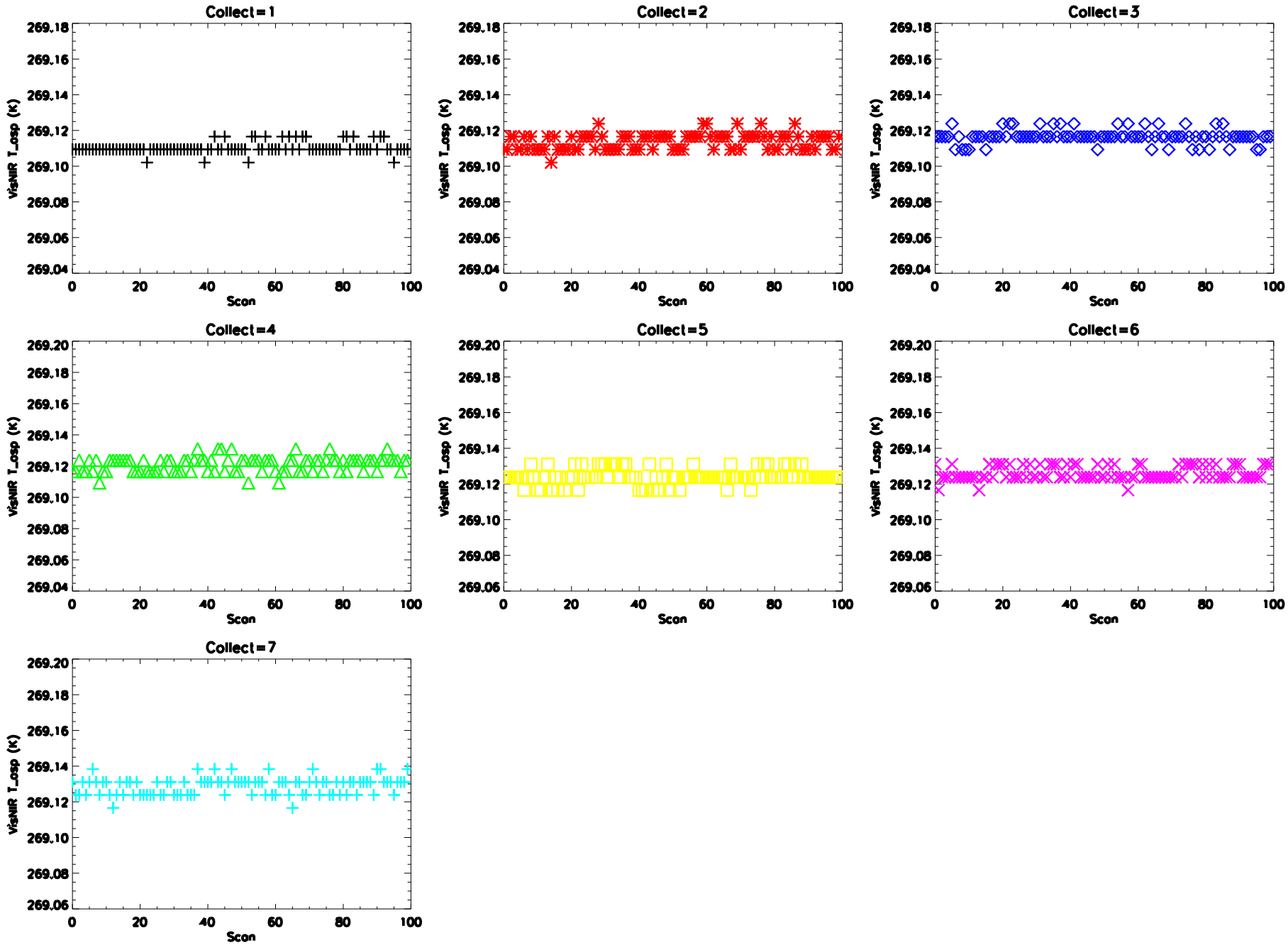

T_cpfa vs Scan: Collect=6
VisNIR
VisNIR T_fpa (K)
238.76
238.74
238.72
238.70
238.68
238.66
238.64
238.62
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
80.00
79.98
79.96
79.94
79.92
79.90
79.88
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
80.10
80.08
80.06
80.04
80.02
80.00
79.98
0
20
40
60
80
100
Scan

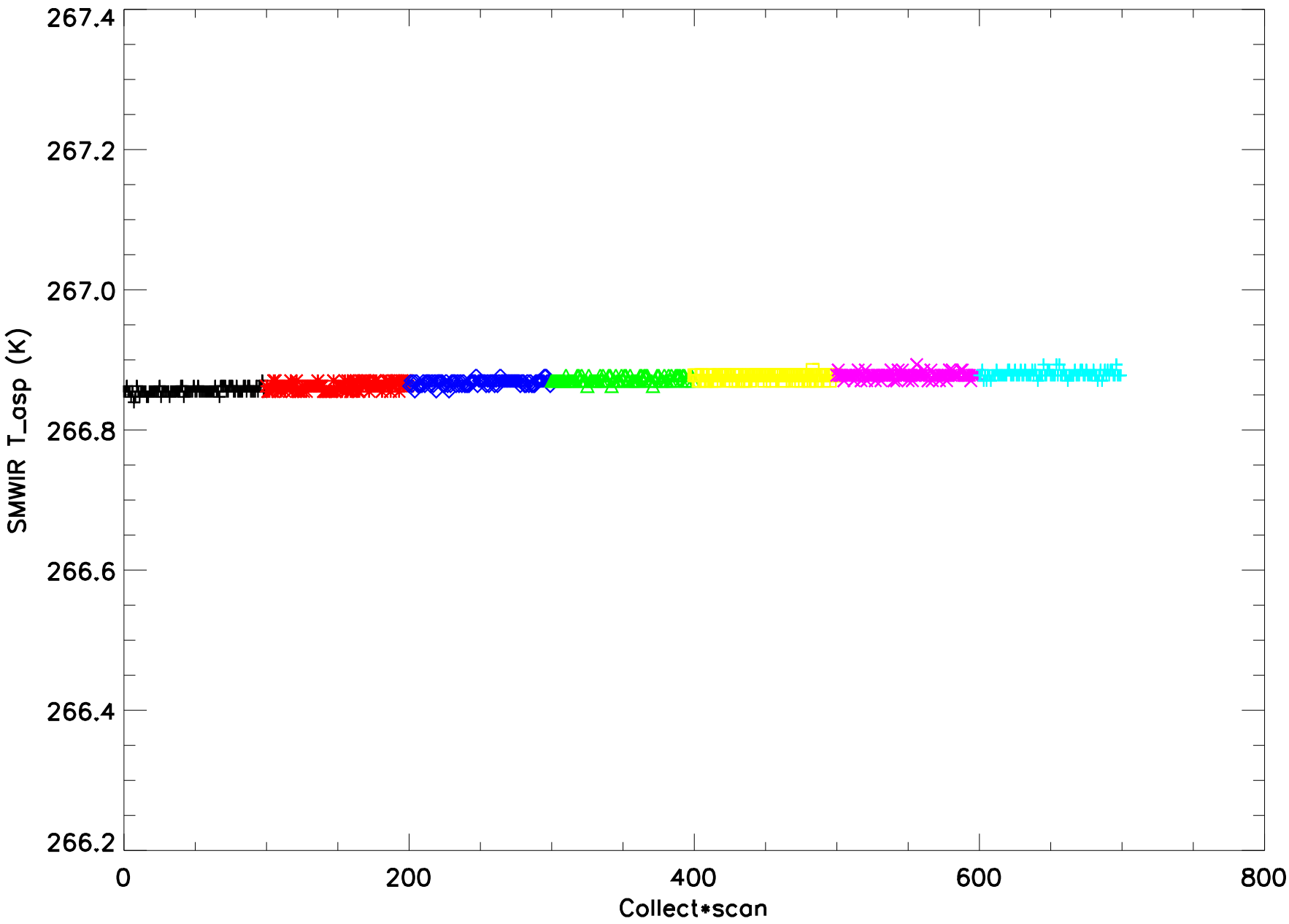

T_cpfa vs Scan: Collect=7
VisNIR
VisNIR T_fpa (K)
238.74
238.72
238.70
238.68
238.66
238.64
238.62
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
80.00
79.98
79.96
79.94
79.92
79.90
79.88
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
80.10
80.08
80.06
80.04
80.02
80.00
79.98
0
20
40
60
80
100
Scan

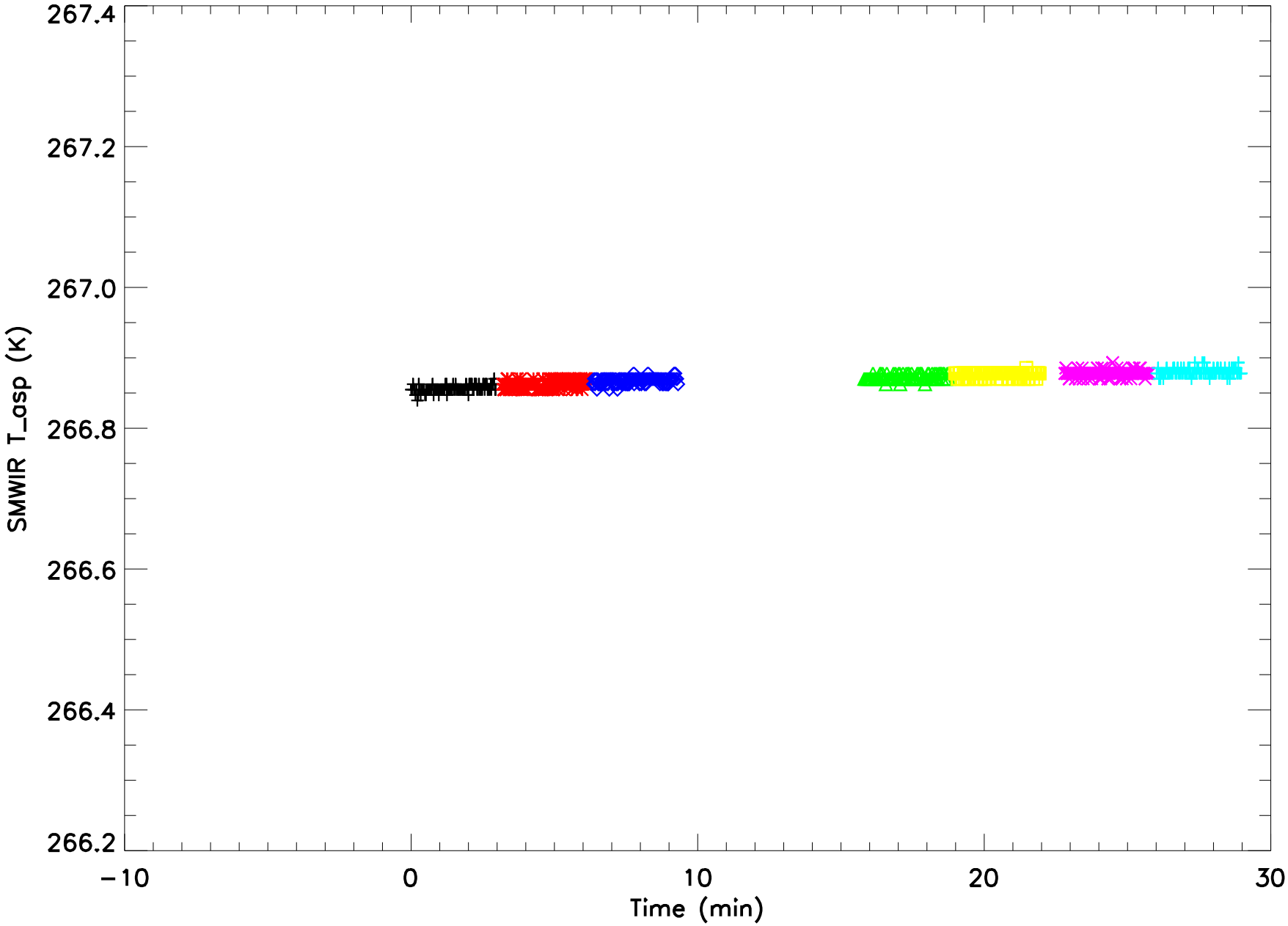

VisNIR T_asp vs Scan and Collect
VisNIR T_asp (K)
269.8
269.6
269.4
269.2
269.0
268.8
268.6
0
200
400
600
800
Collect*scan


VisNIR T_asp vs Time
269.8
269.6
269.4
269.2
269.0
268.8
268.6
VisNIR T_asp (K)
−10
0
10
20
30
Time (min)

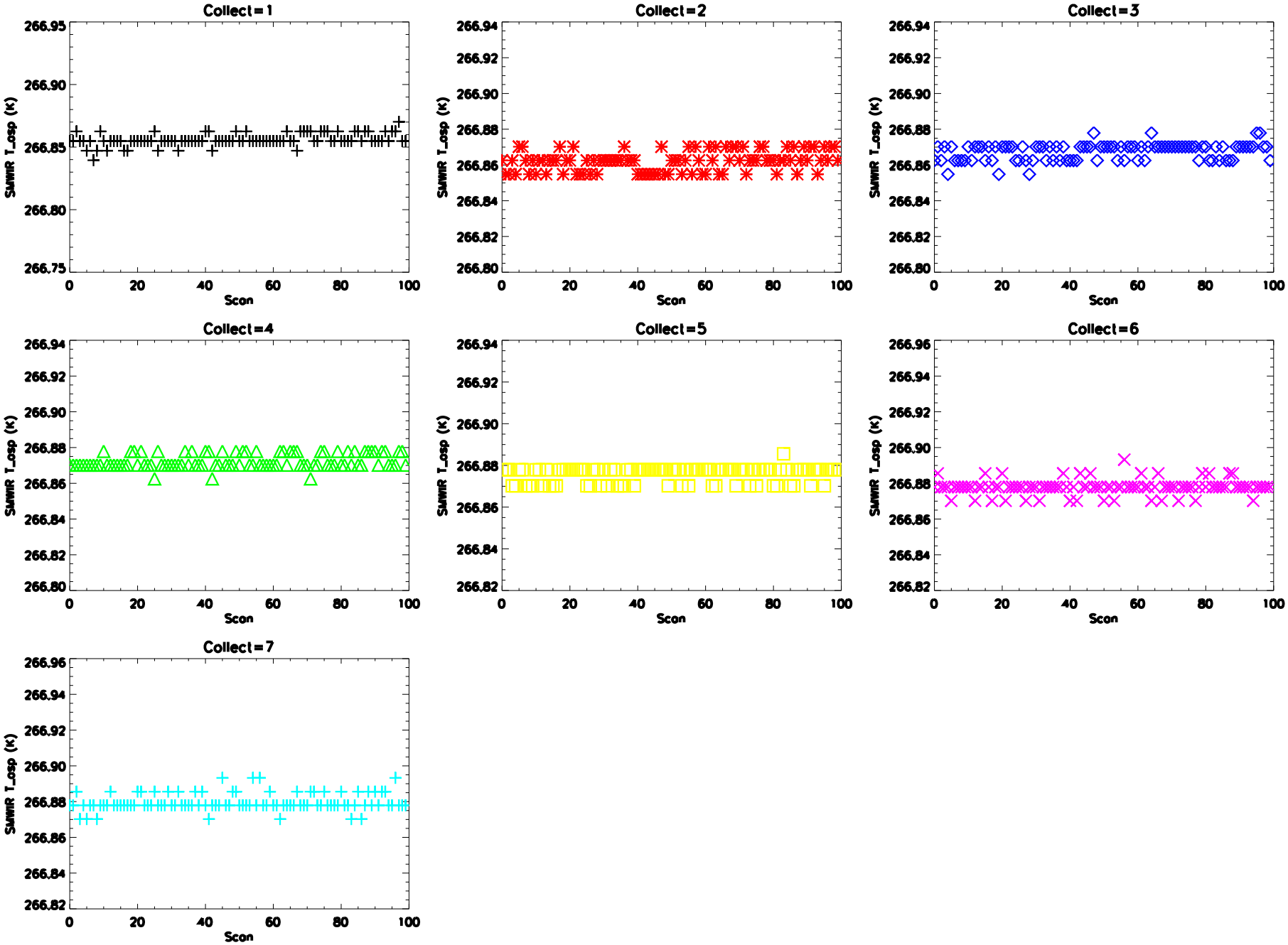
VisNIR T_asp vs Scan

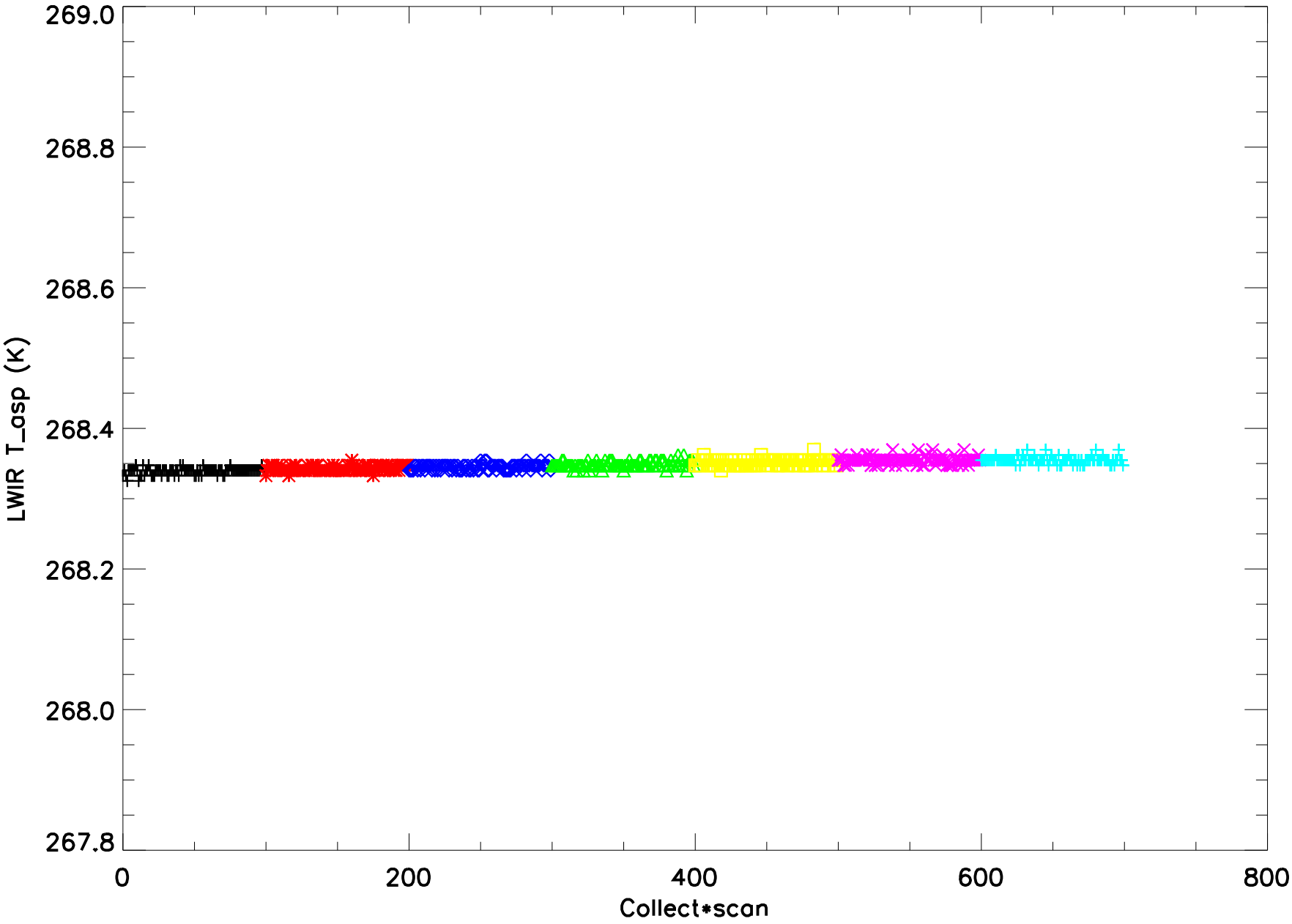


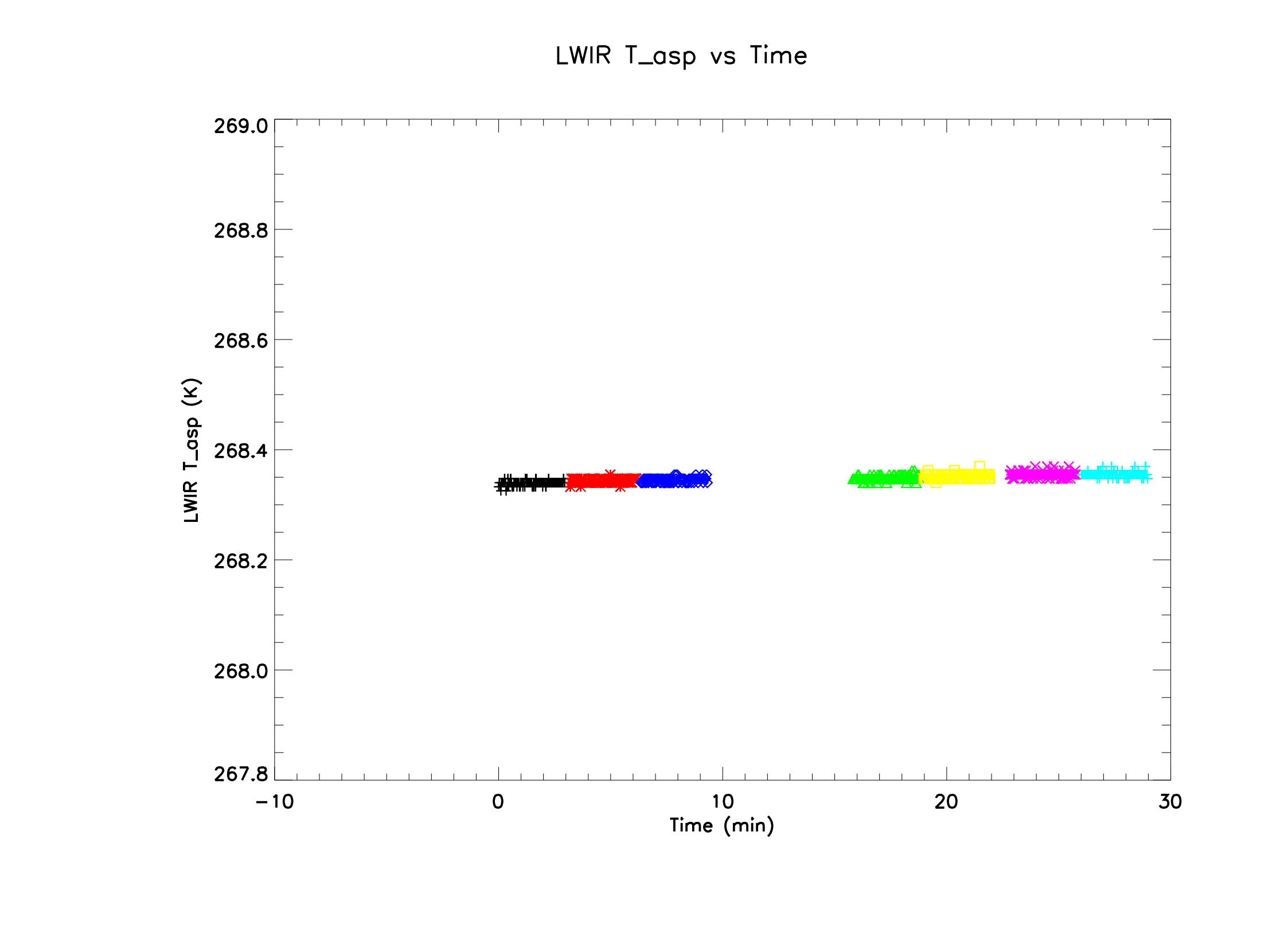

SMWIR T_asp vs Scan and Collect
267.4
267.2
267.0
266.8
266.6
266.4
266.2
SMWIR T_asp (K)
0
200
400
600
800
Collect*scan


SMWIR T_asp vs Time
SMWIR T_asp (K)
267.4
267.2
267.0
266.8
266.6
266.4
266.2
−10
0
10
20
30
Time (min)

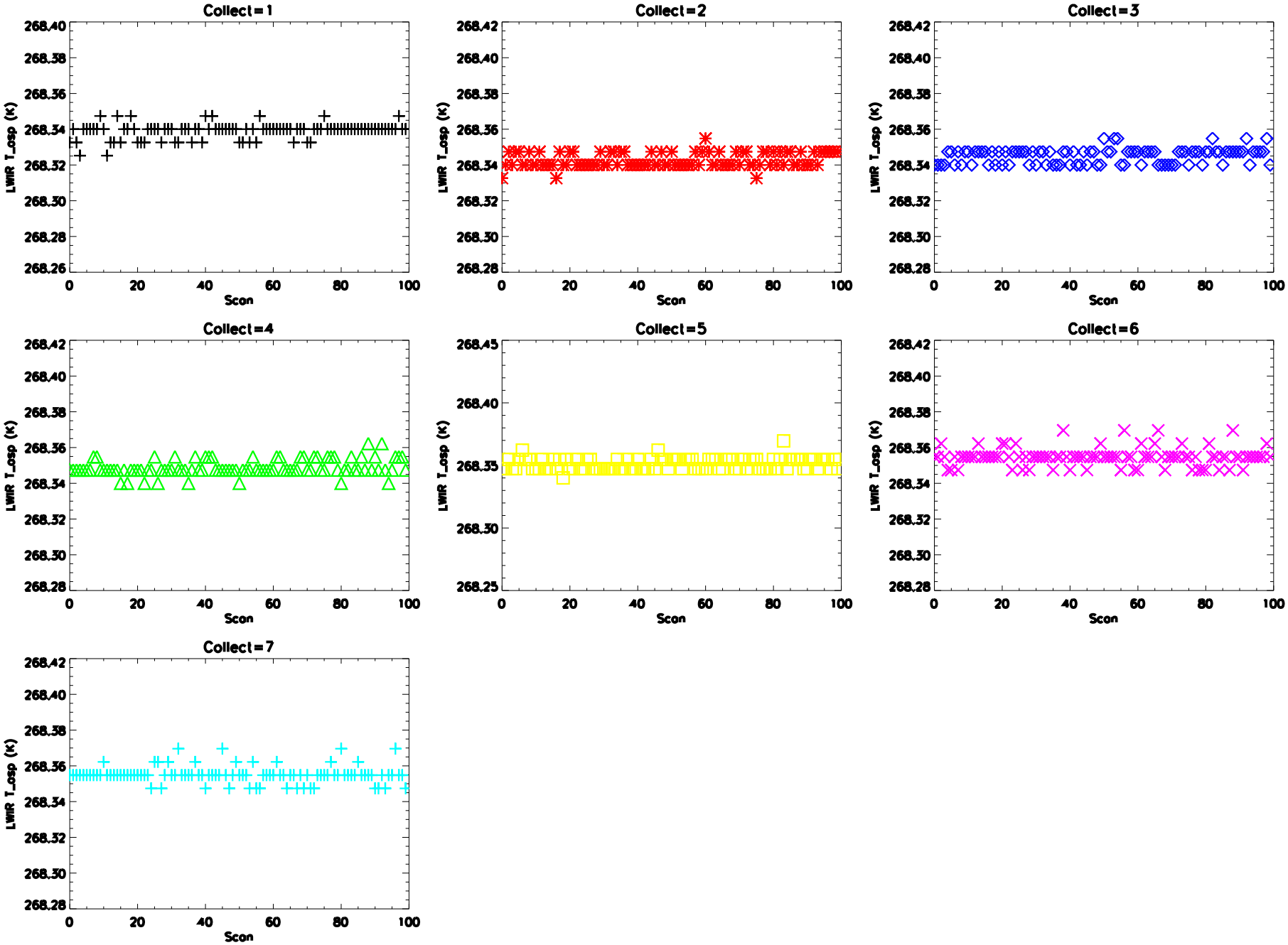
SMWIR T_asp vs Scan

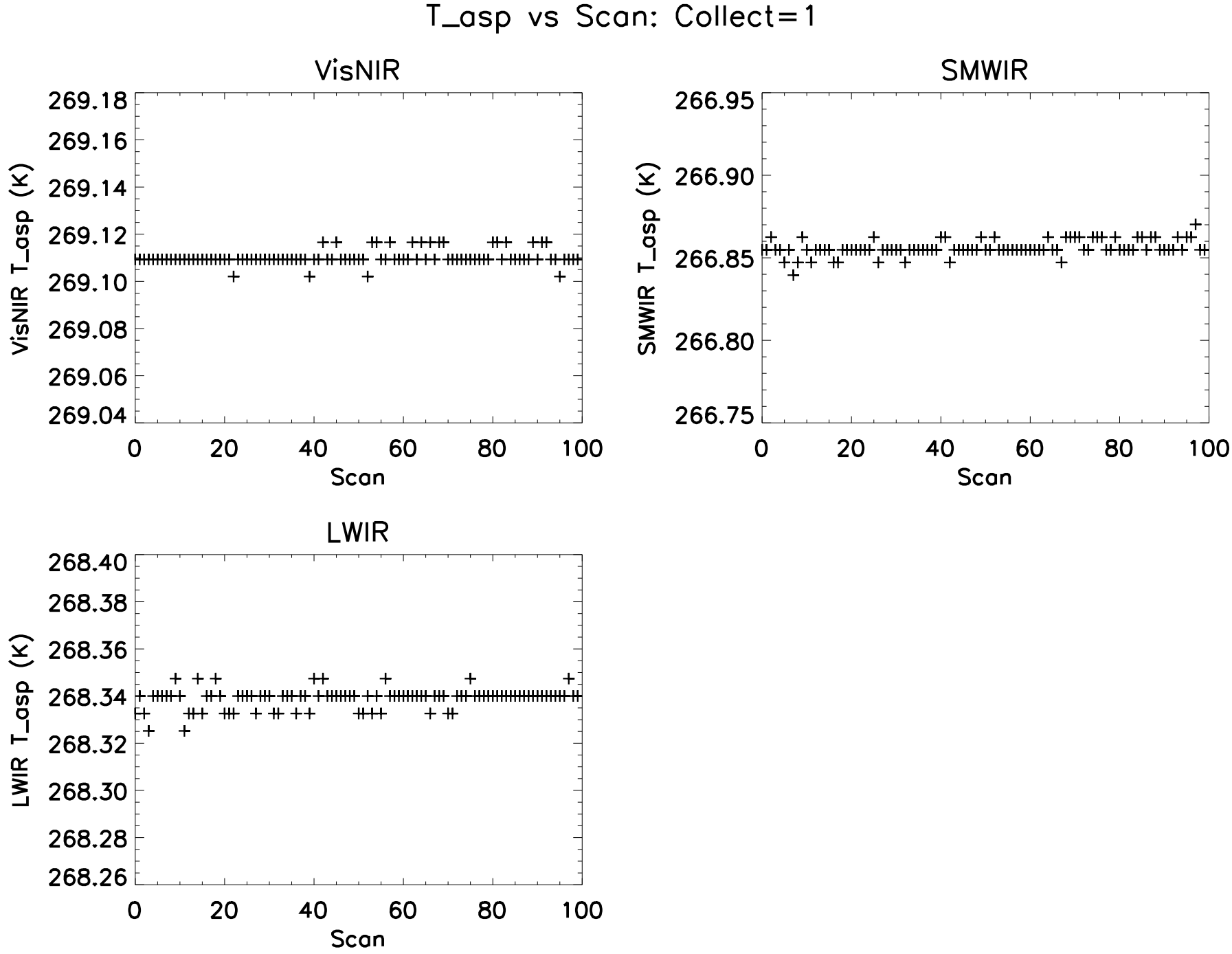


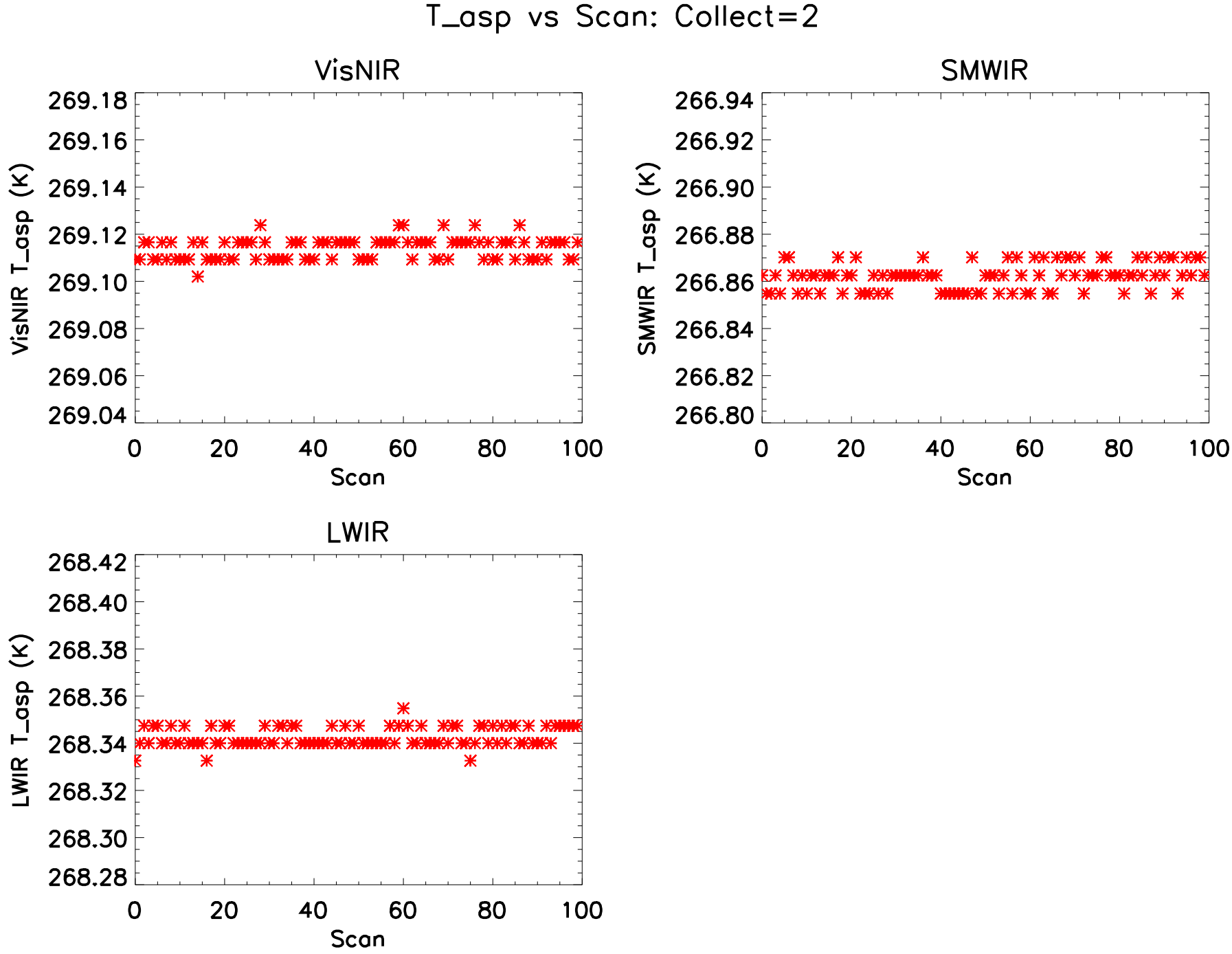

LWIR T_asp vs Scan and Collect
LWIR T_asp (K)
269.0
268.8
268.6
268.4
268.2
268.0
267.8
0
200
400
600
800
Collect*scan

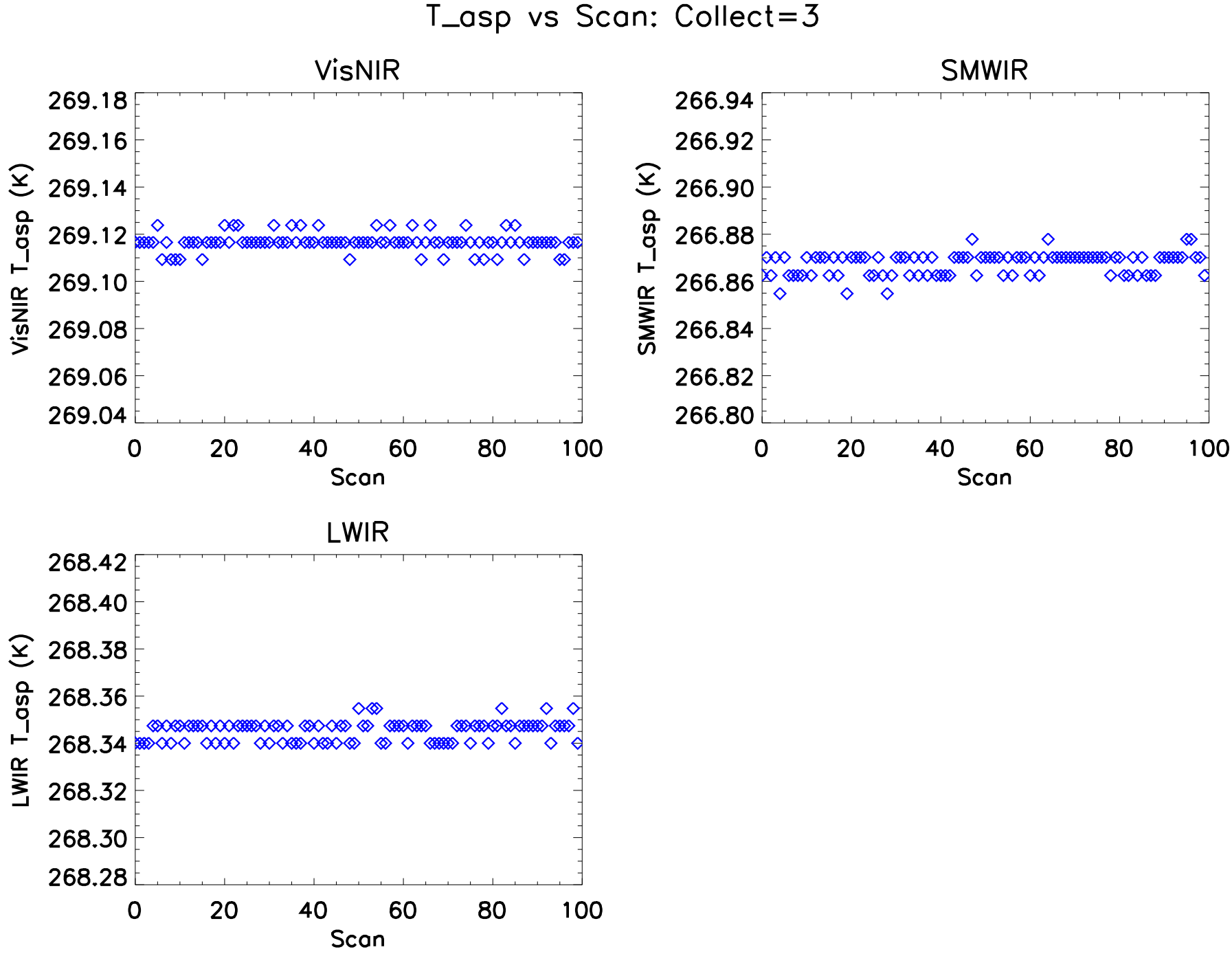

LWIR T_asp vs Time
LWIR T_asp (K)
269.0
268.8
268.6
268.4
268.2
268.0
267.8
−10
0
10
20
30
Time (min)

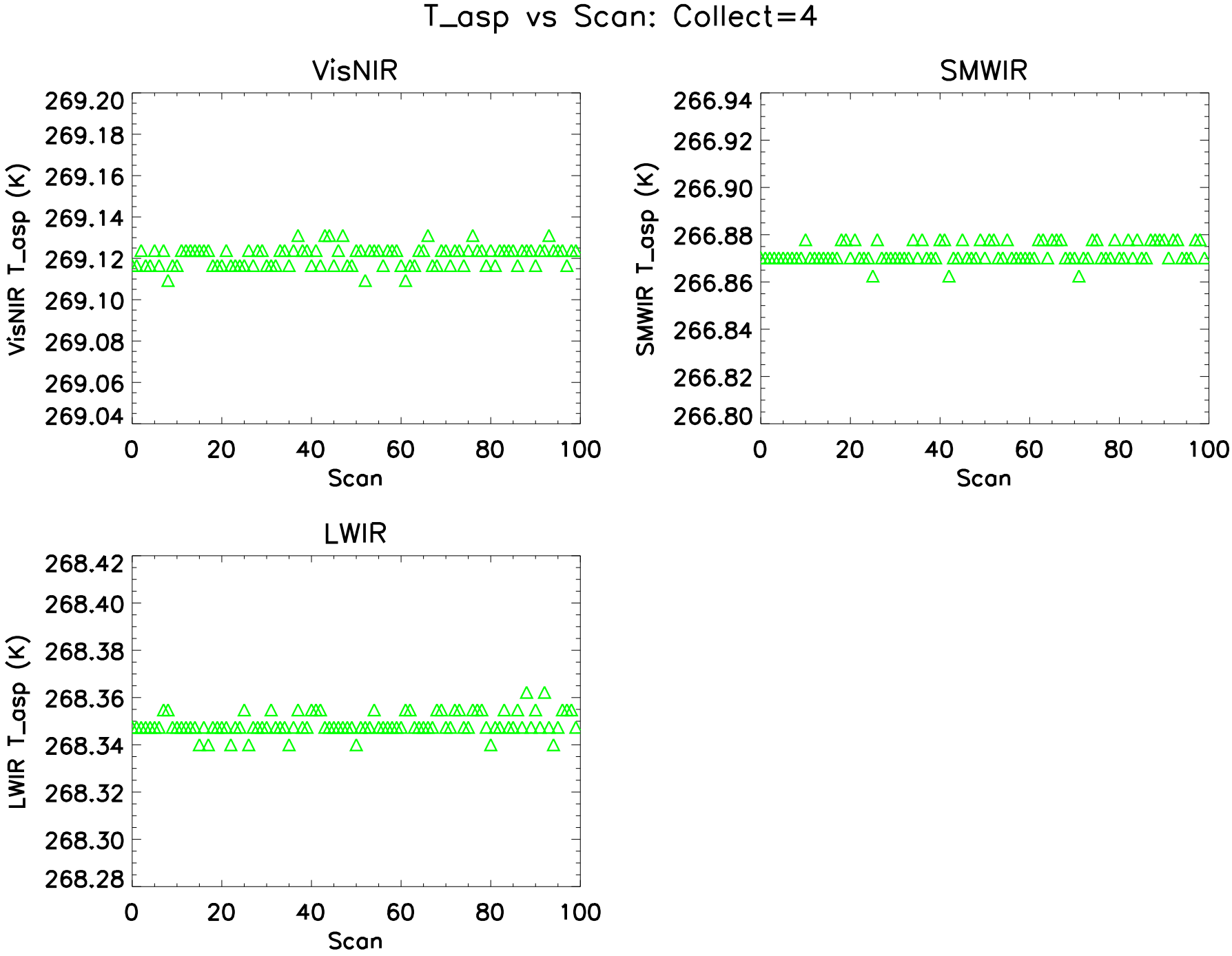
LWIR T_asp vs Scan

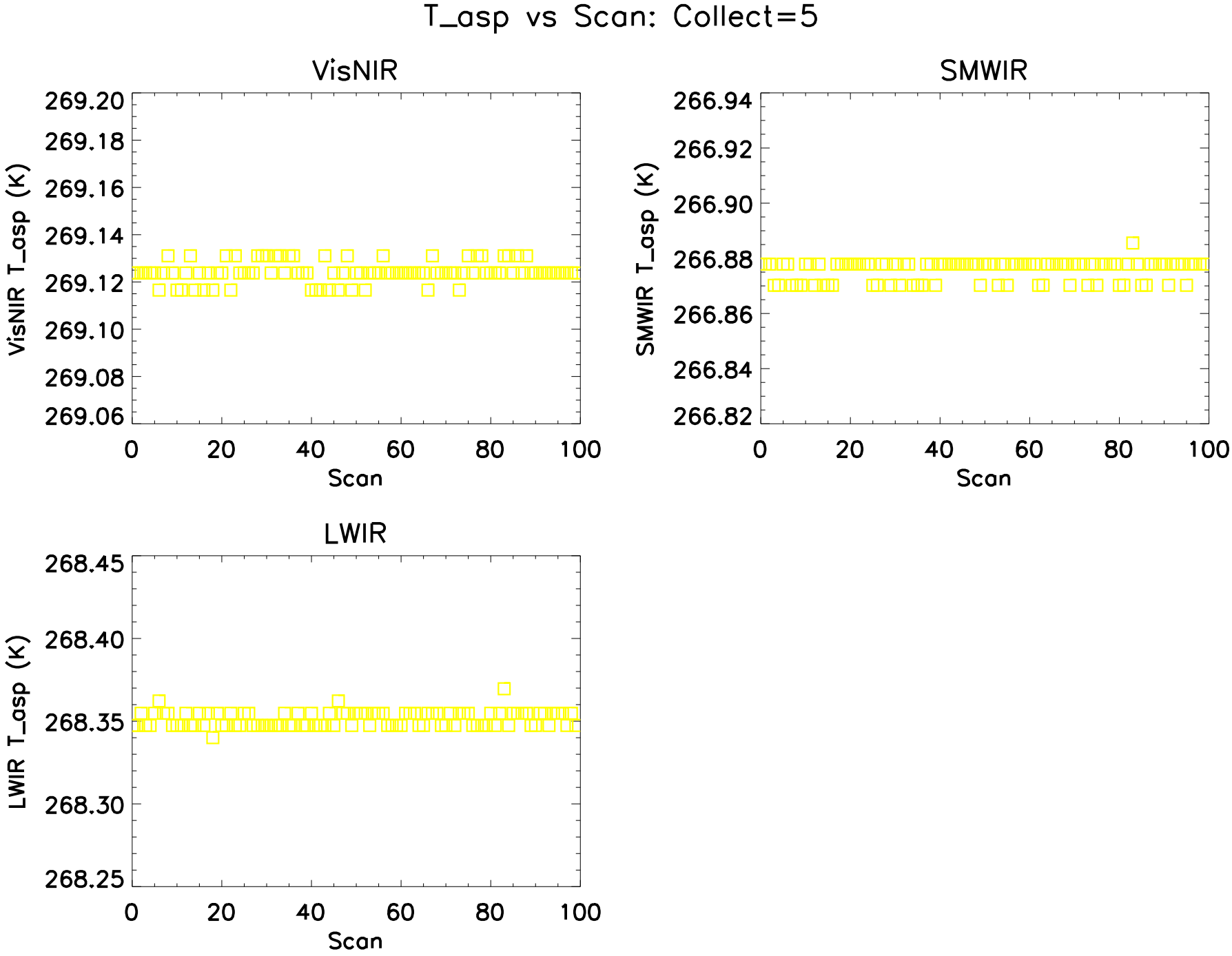


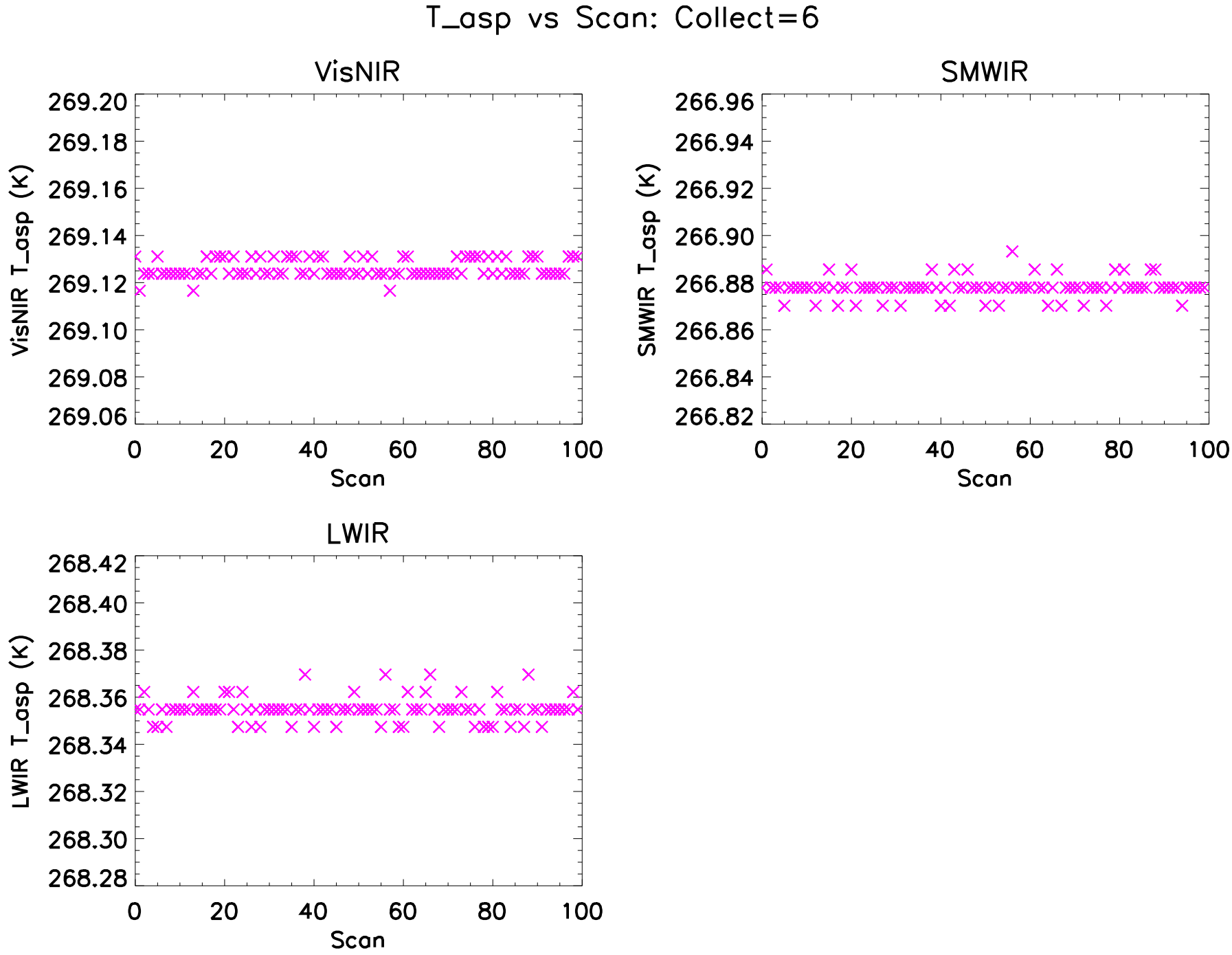

T_asp vs Scan: Collect=1
VisNIR
VisNIR T_asp (K)
269.18
269.16
269.14
269.12
269.10
269.08
269.06
269.04
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
266.95
266.90
266.85
266.80
266.75
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
268.40
268.38
268.36
268.34
268.32
268.30
268.28
268.26
0
20
40
60
80
100
Scan

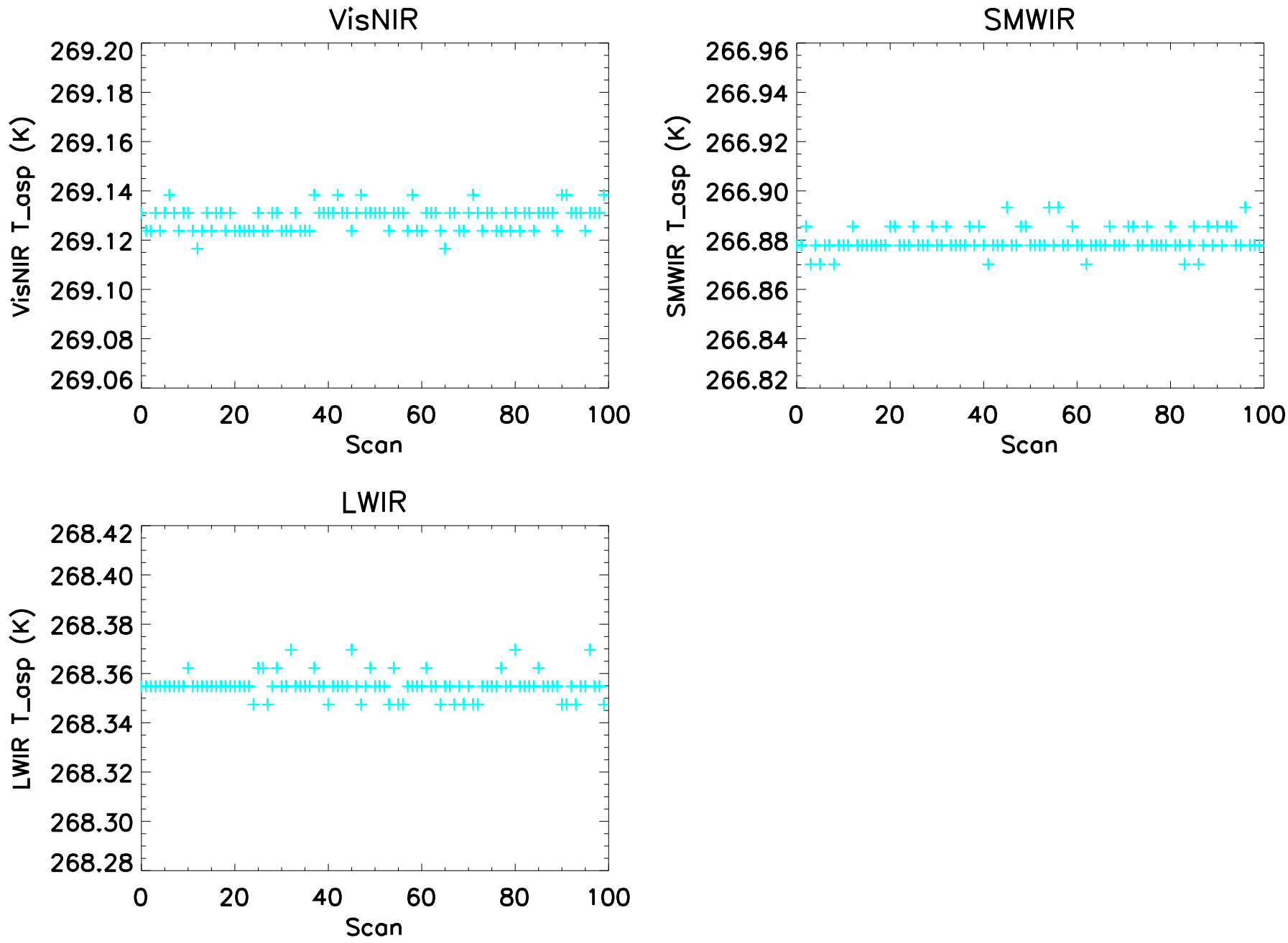

T_asp vs Scan: Collect=2
VisNIR
VisNIR T_asp (K)
269.18
269.16
269.14
269.12
269.10
269.08
269.06
269.04
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
266.94
266.92
266.90
266.88
266.86
266.84
266.82
266.80
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
268.42
268.40
268.38
268.36
268.34
268.32
268.30
268.28
0
20
40
60
80
100
Scan

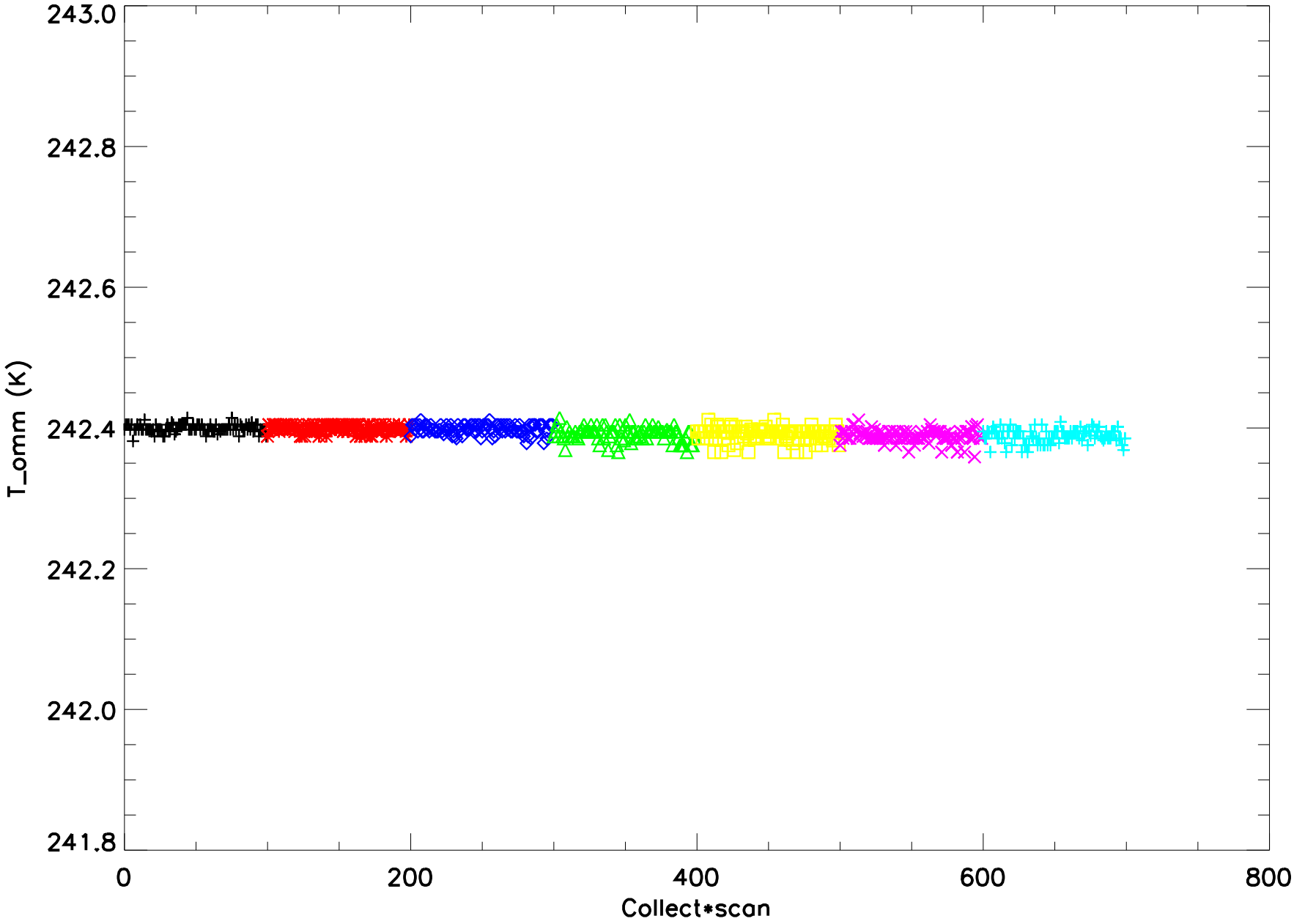

T_asp vs Scan: Collect=3
VisNIR
VisNIR T_asp (K)
269.18
269.16
269.14
269.12
269.10
269.08
269.06
269.04
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
266.94
266.92
266.90
266.88
266.86
266.84
266.82
266.80
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
268.42
268.40
268.38
268.36
268.34
268.32
268.30
268.28
0
20
40
60
80
100
Scan

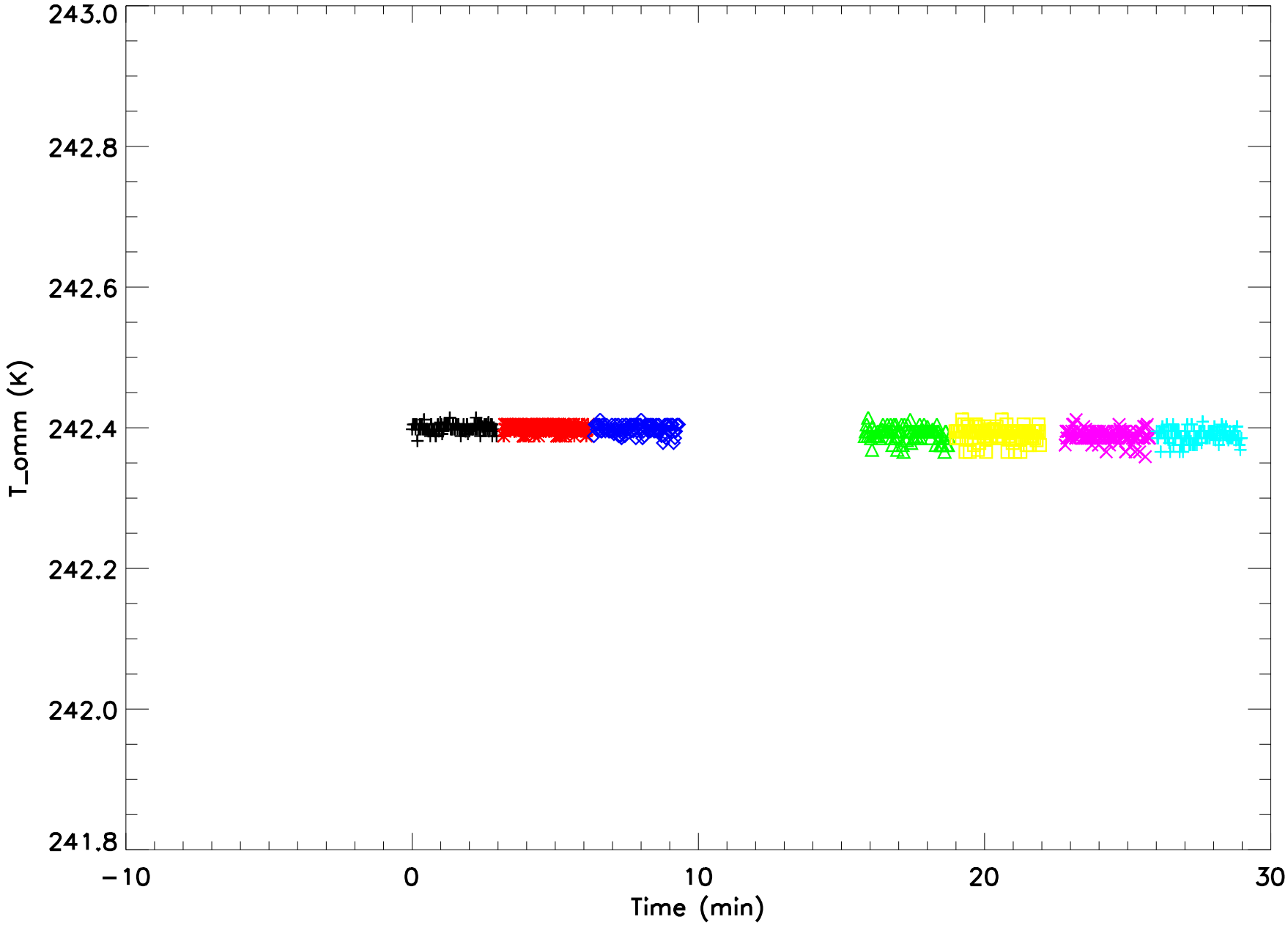

T_asp vs Scan: Collect=4
VisNIR
VisNIR T_asp (K)
269.20
269.18
269.16
269.14
269.12
269.10
269.08
269.06
269.04
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
266.94
266.92
266.90
266.88
266.86
266.84
266.82
266.80
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
268.42
268.40
268.38
268.36
268.34
268.32
268.30
268.28
0
20
40
60
80
100
Scan


T_asp vs Scan: Collect=5
VisNIR
VisNIR T_asp (K)
269.20
269.18
269.16
269.14
269.12
269.10
269.08
269.06
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
266.94
266.92
266.90
266.88
266.86
266.84
266.82
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
268.45
268.40
268.35
268.30
268.25
0
20
40
60
80
100
Scan

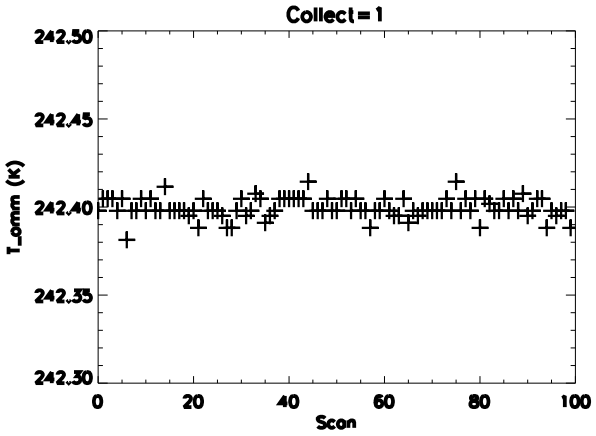

T_asp vs Scan: Collect=6
VisNIR
VisNIR T_asp (K)
269.20
269.18
269.16
269.14
269.12
269.10
269.08
269.06
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
266.96
266.94
266.92
266.90
266.88
266.86
266.84
266.82
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
268.42
268.40
268.38
268.36
268.34
268.32
268.30
268.28
0
20
40
60
80
100
Scan

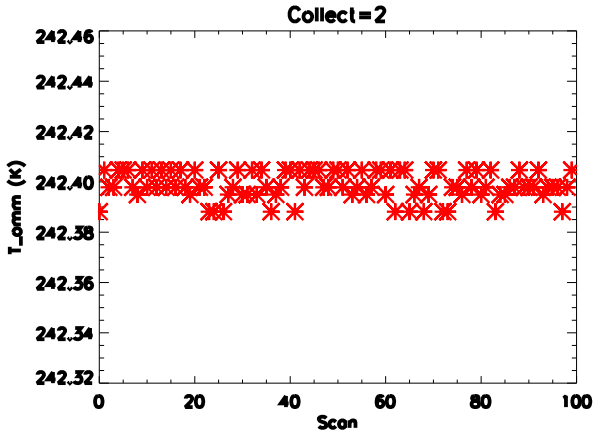

T_asp vs Scan: Collect=7
VisNIR
VisNIR T_asp (K)
269.20
269.18
269.16
269.14
269.12
269.10
269.08
269.06
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
266.96
266.94
266.92
266.90
266.88
266.86
266.84
266.82
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
268.42
268.40
268.38
268.36
268.34
268.32
268.30
268.28
0
20
40
60
80
100
Scan

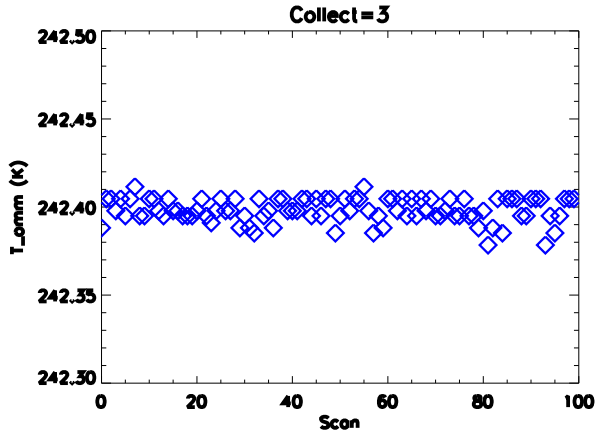

T_omm vs Scan and Collect
243.0
242.8
242.6
242.4
242.2
242.0
241.8
T_omm (K)
0
200
400
600
800
Collect*scan

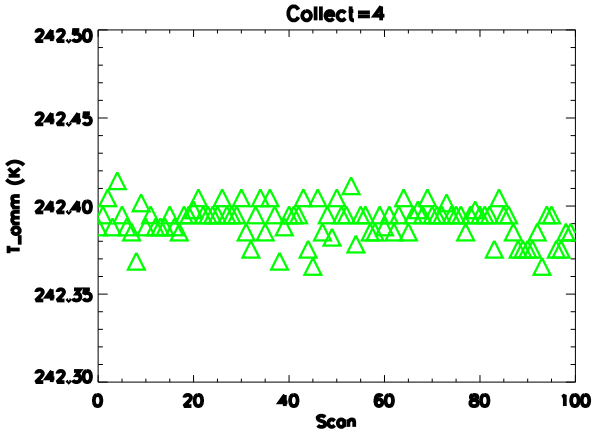

T_omm vs Time
243.0
242.8
242.6
242.4
242.2
242.0
241.8
T_omm (K)
−10
0
10
20
30
Time (min)

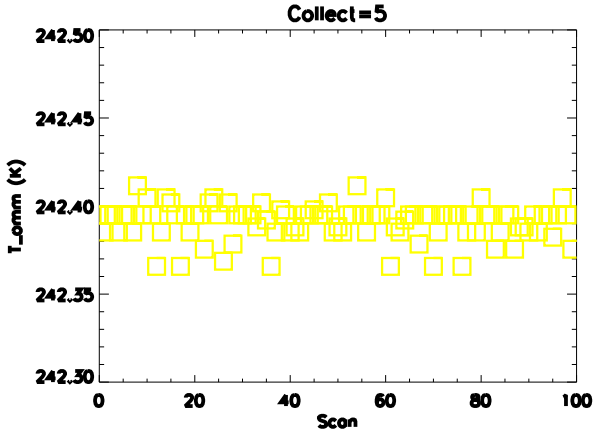
T_omm vs Scan

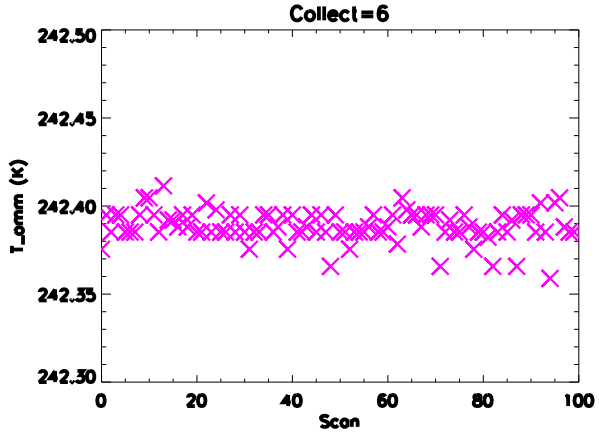

Collect=1
T_omm (K)
242.50
242.45
242.40
242.35
242.30
0
20
40
60
80
100
Scan

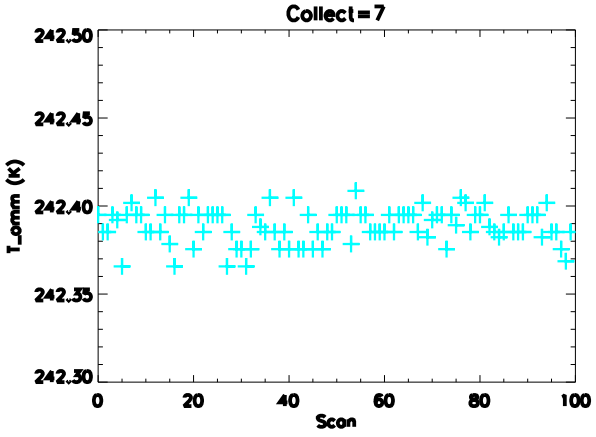

Collect=2
T_omm (K)
242.46
242.44
242.42
242.40
242.38
242.36
242.34
242.32
0
20
40
60
80
100
Scan


Collect=3
T_omm (K)
242.50
242.45
242.40
242.35
242.30
0
20
40
60
80
100
Scan


Collect=4
T_omm (K)
242.50
242.45
242.40
242.35
242.30
0
20
40
60
80
100
Scan


Collect=5
T_omm (K)
242.50
242.45
242.40
242.35
242.30
0
20
40
60
80
100
Scan


Collect=6
T_omm (K)
242.50
242.45
242.40
242.35
242.30
0
20
40
60
80
100
Scan


Collect=7
T_omm (K)
242.50
242.45
242.40
242.35
242.30
0
20
40
60
80
100
Scan