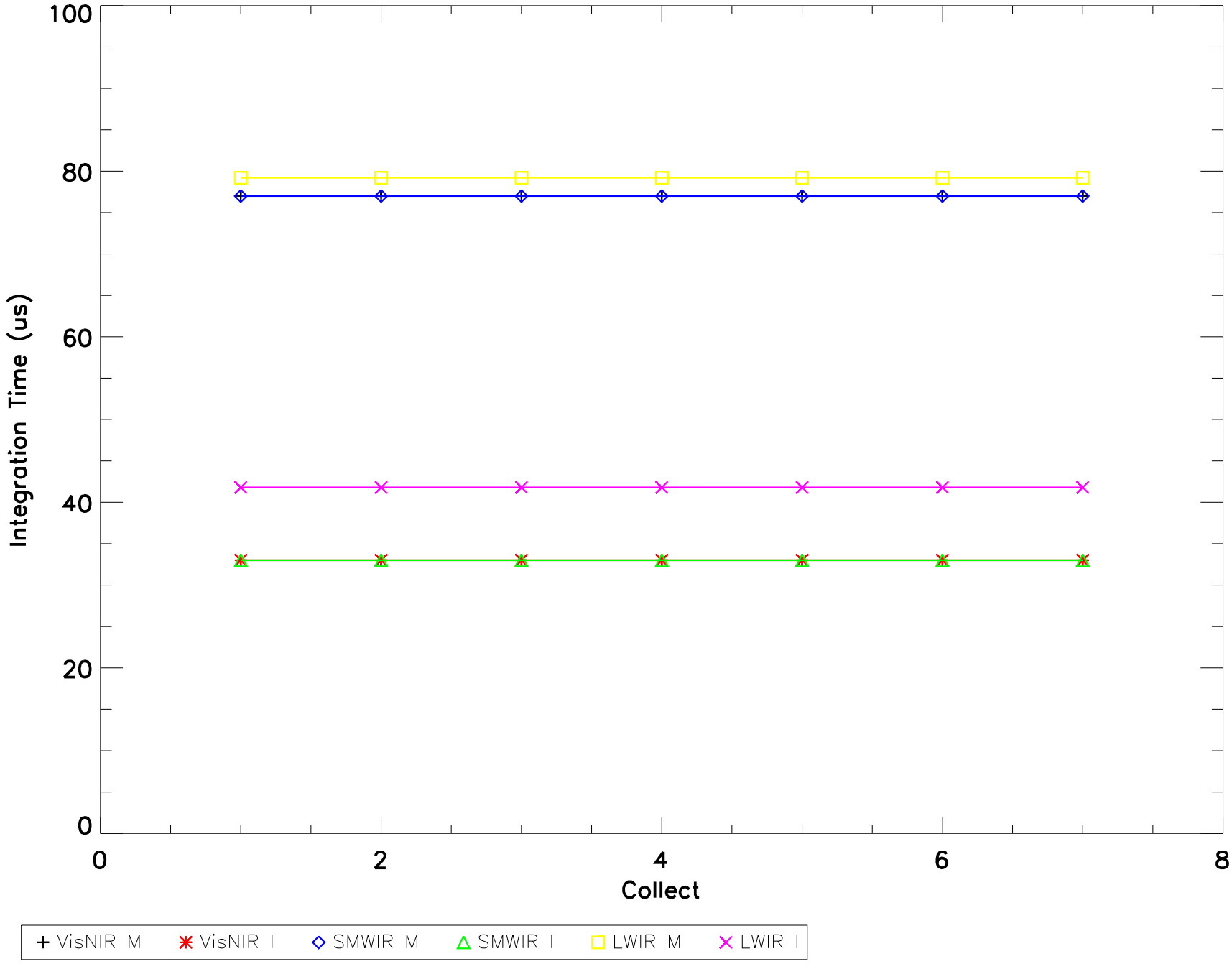
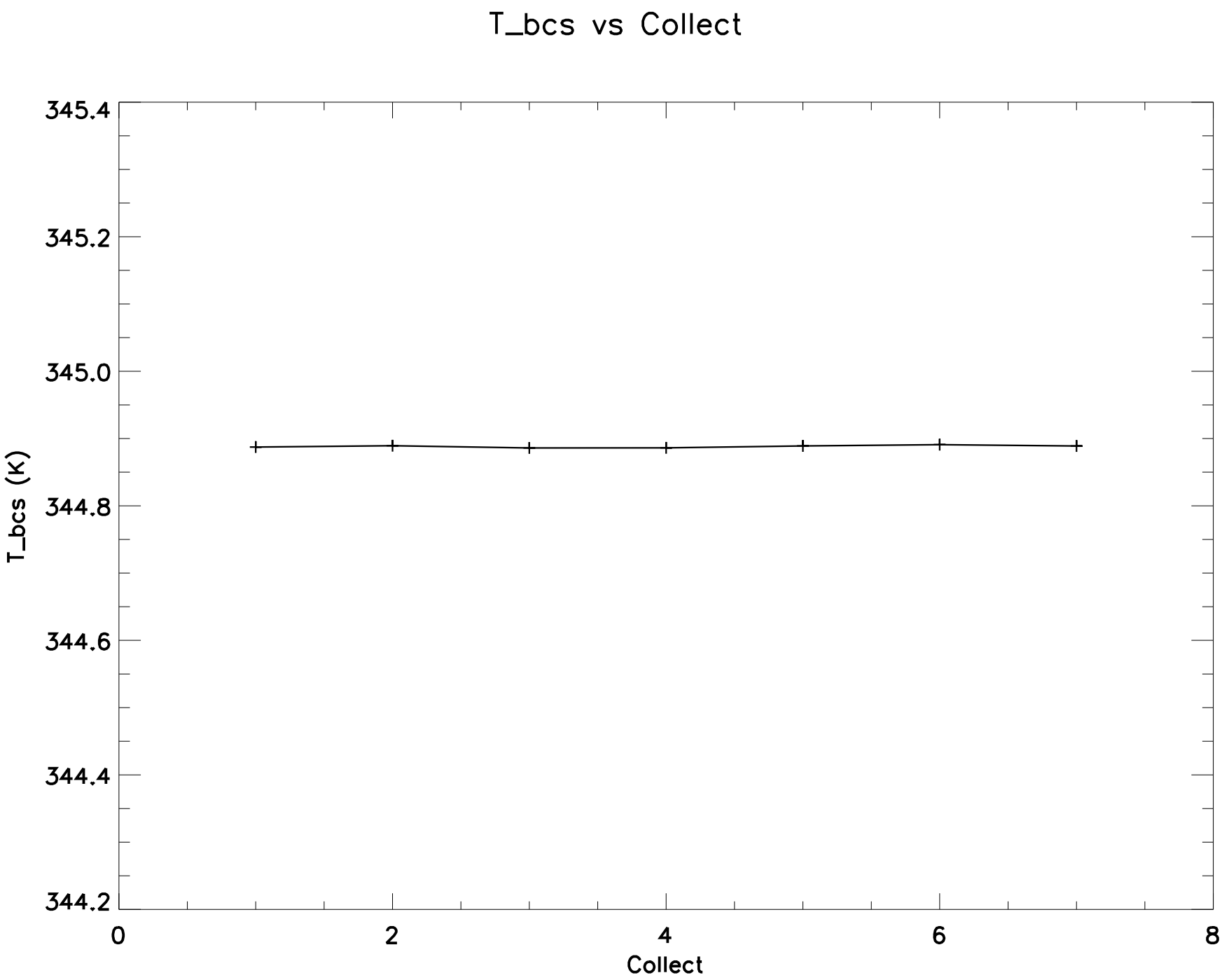
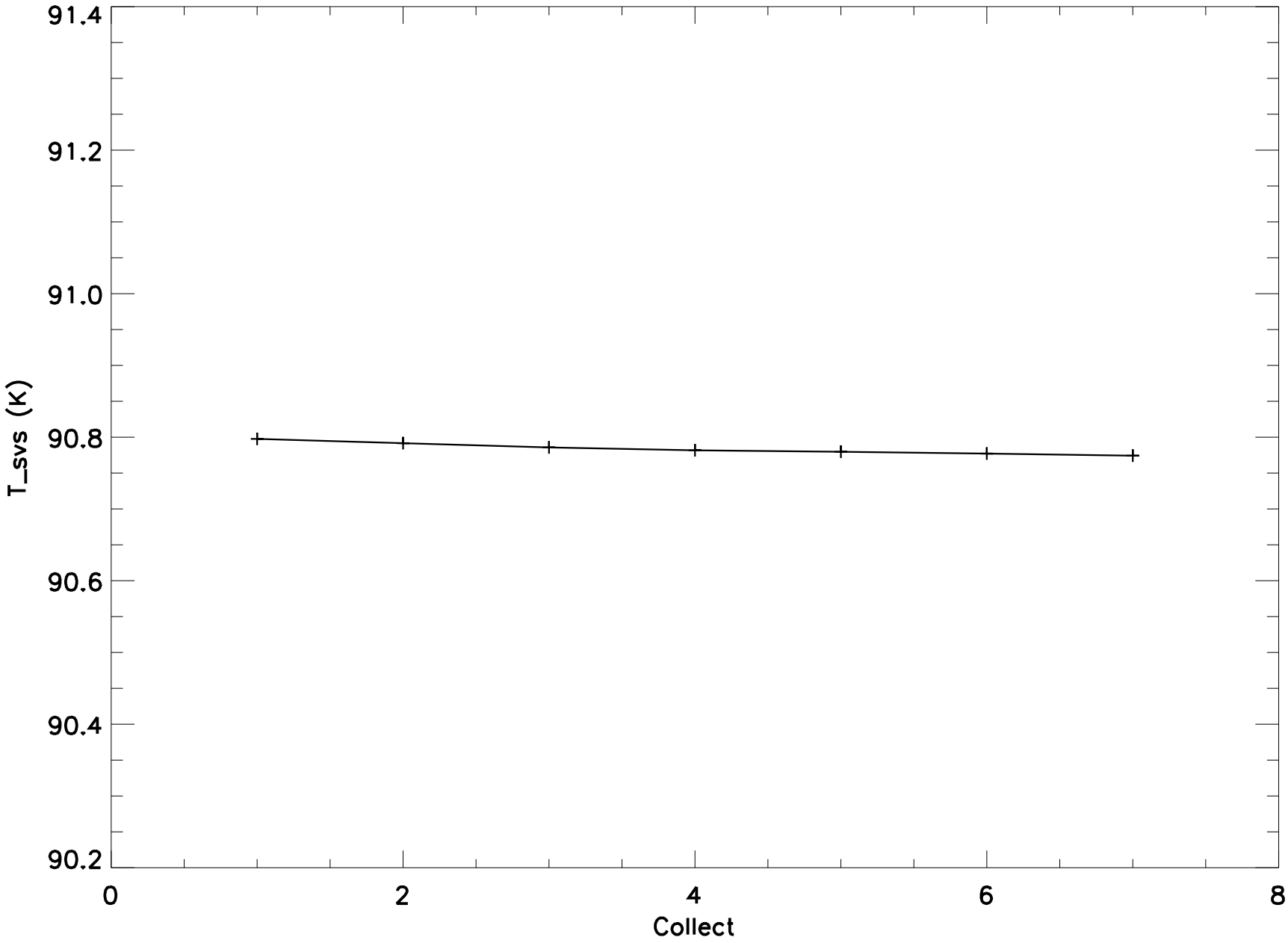
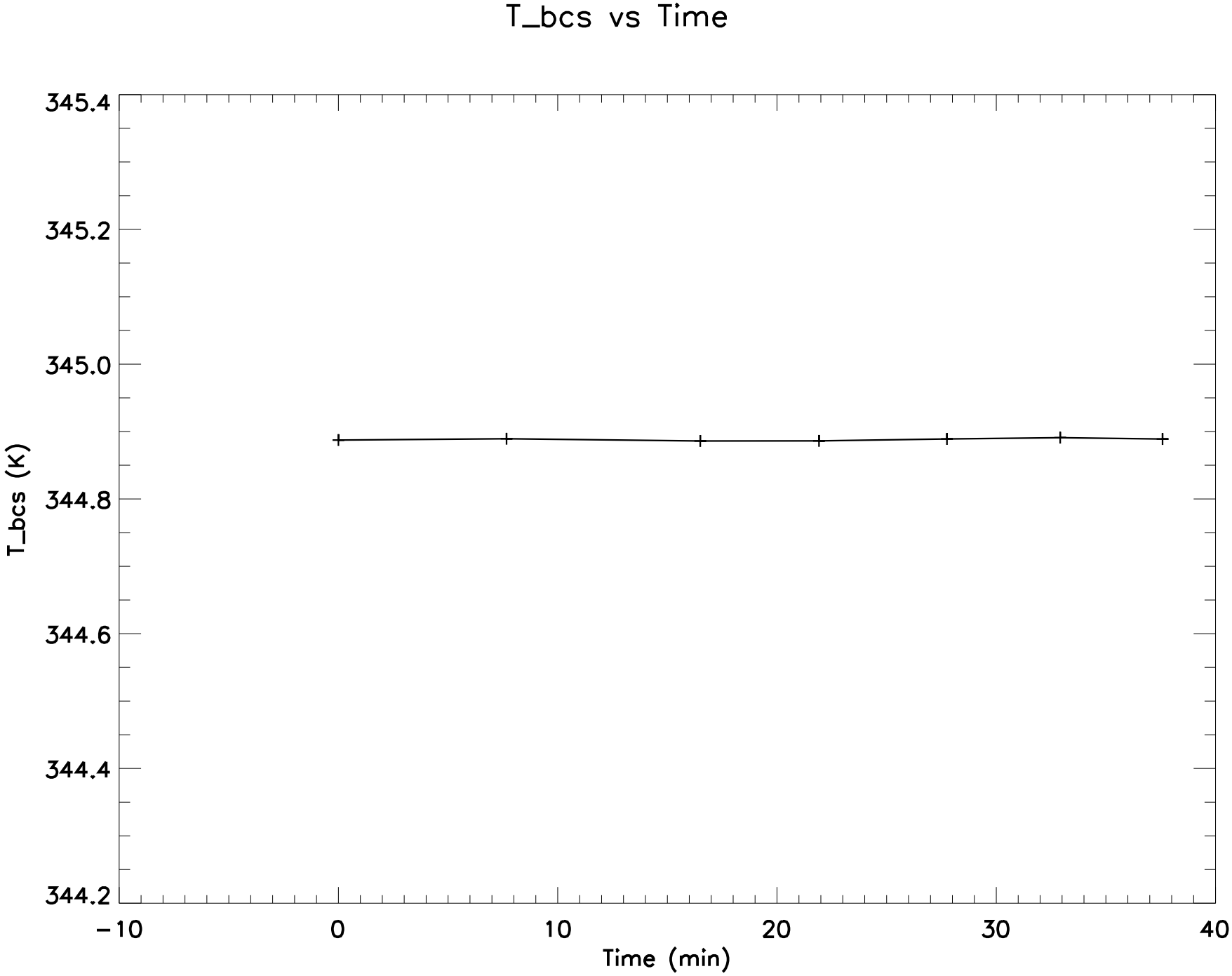
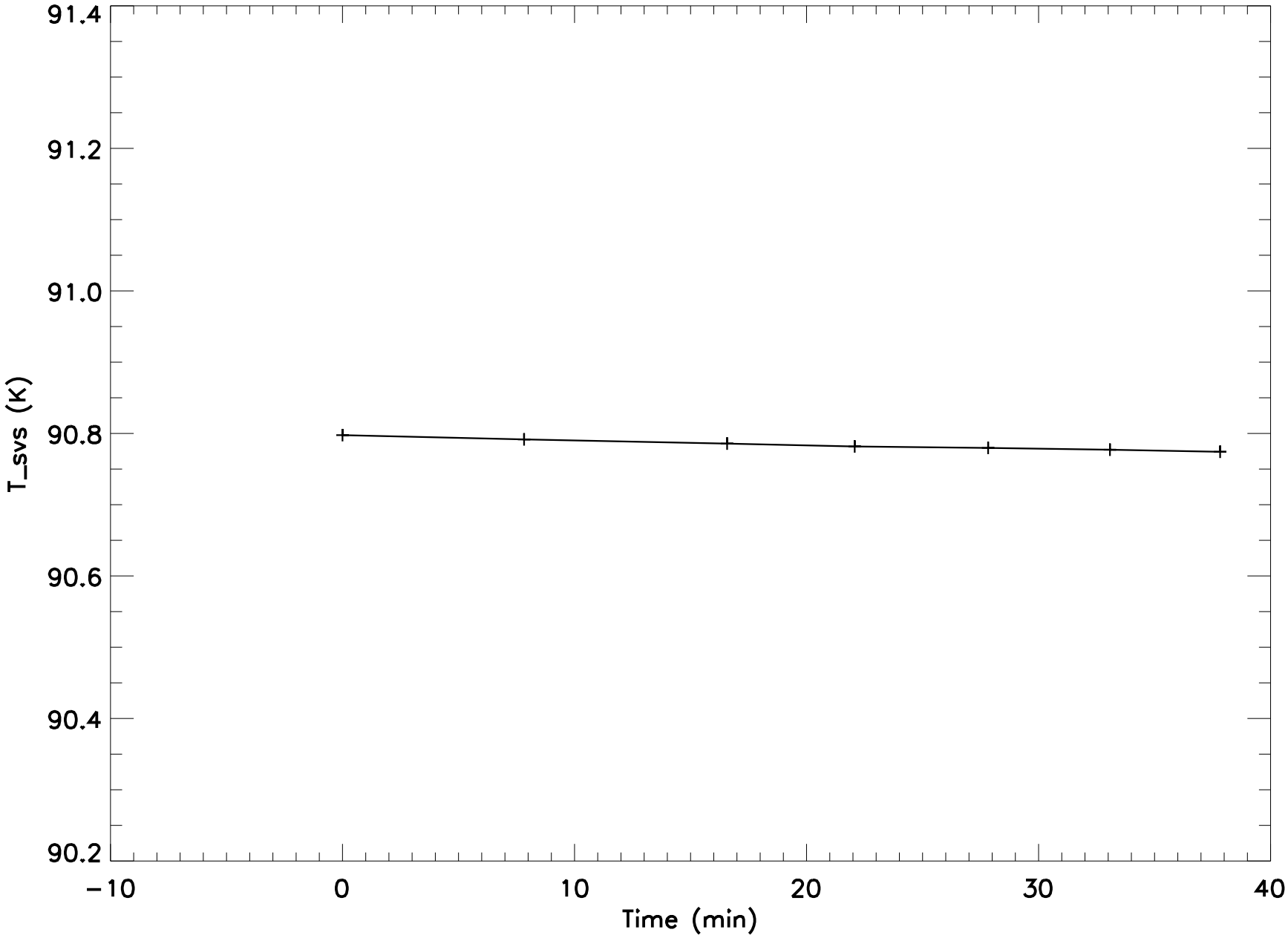
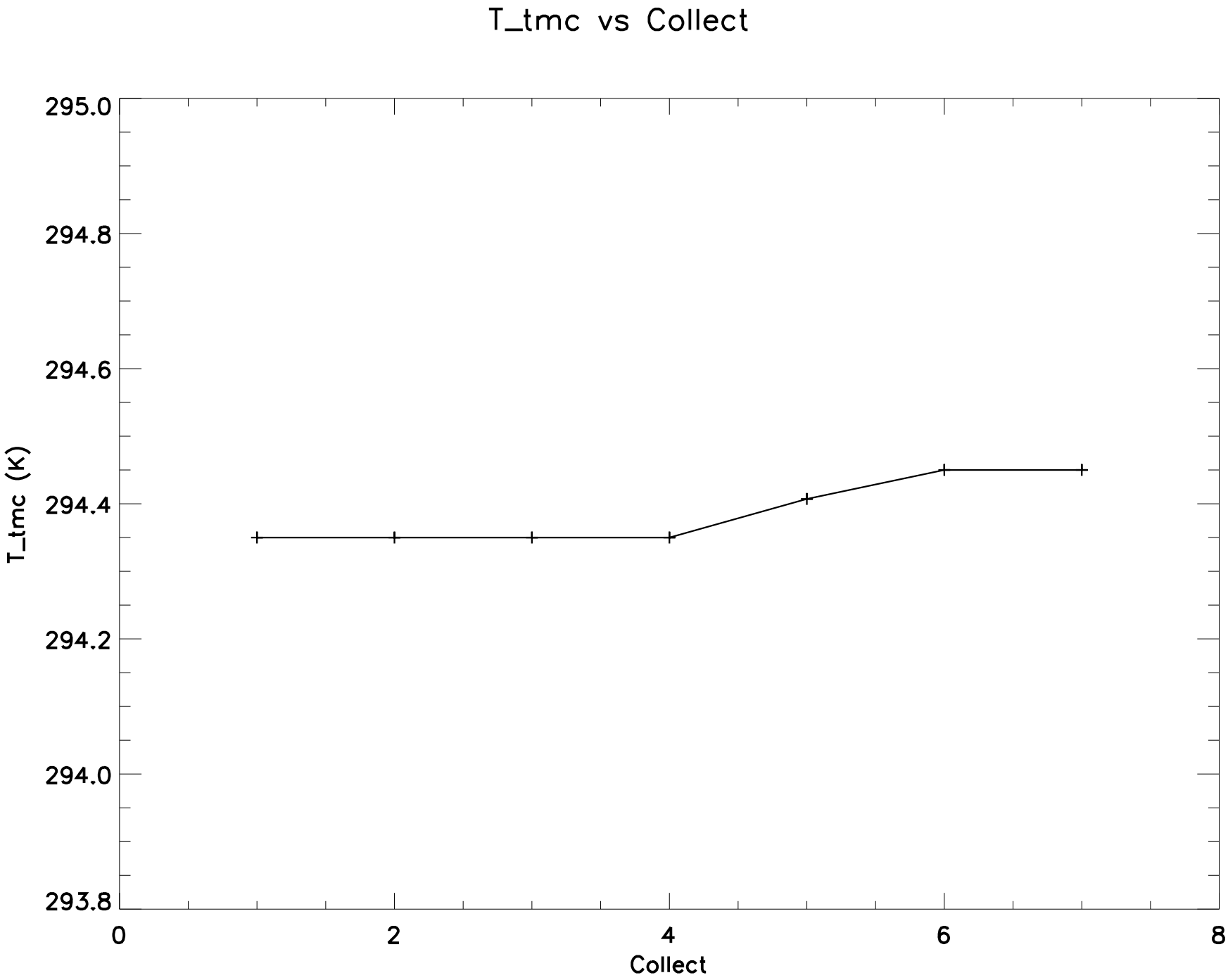

Integration Time vs Collect
Integration Time (us)
100
80
60
40
20
0
0
2
4
6
8
Collect
VisNIR M
VisNIR I
SMWIR M
SMWIR I
LWIR M
LWIR I

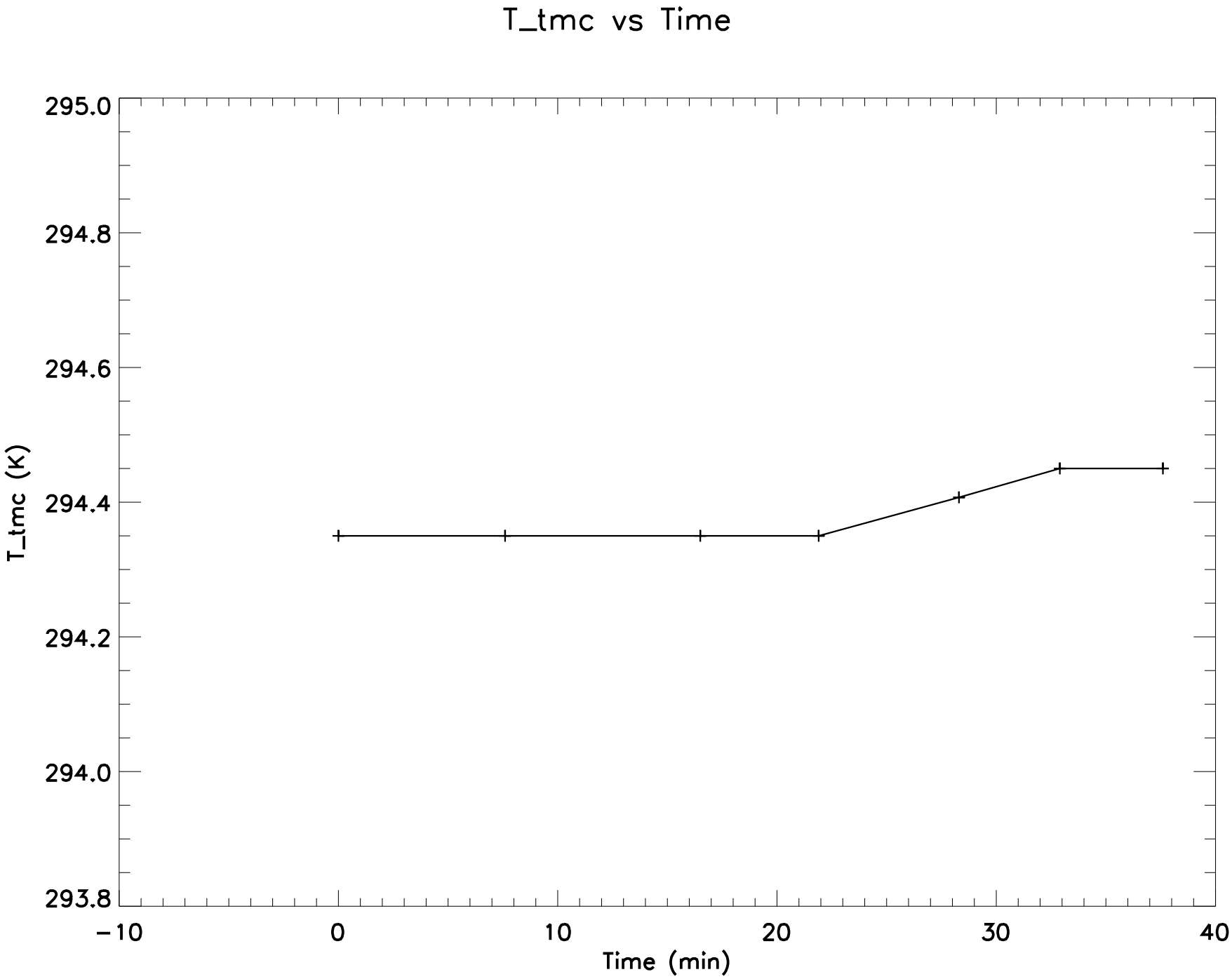

T_bcs vs Collect
345.4
345.2
345.0
344.8
344.6
344.4
344.2
T_bcs (K)
0
2
4
6
8
Collect

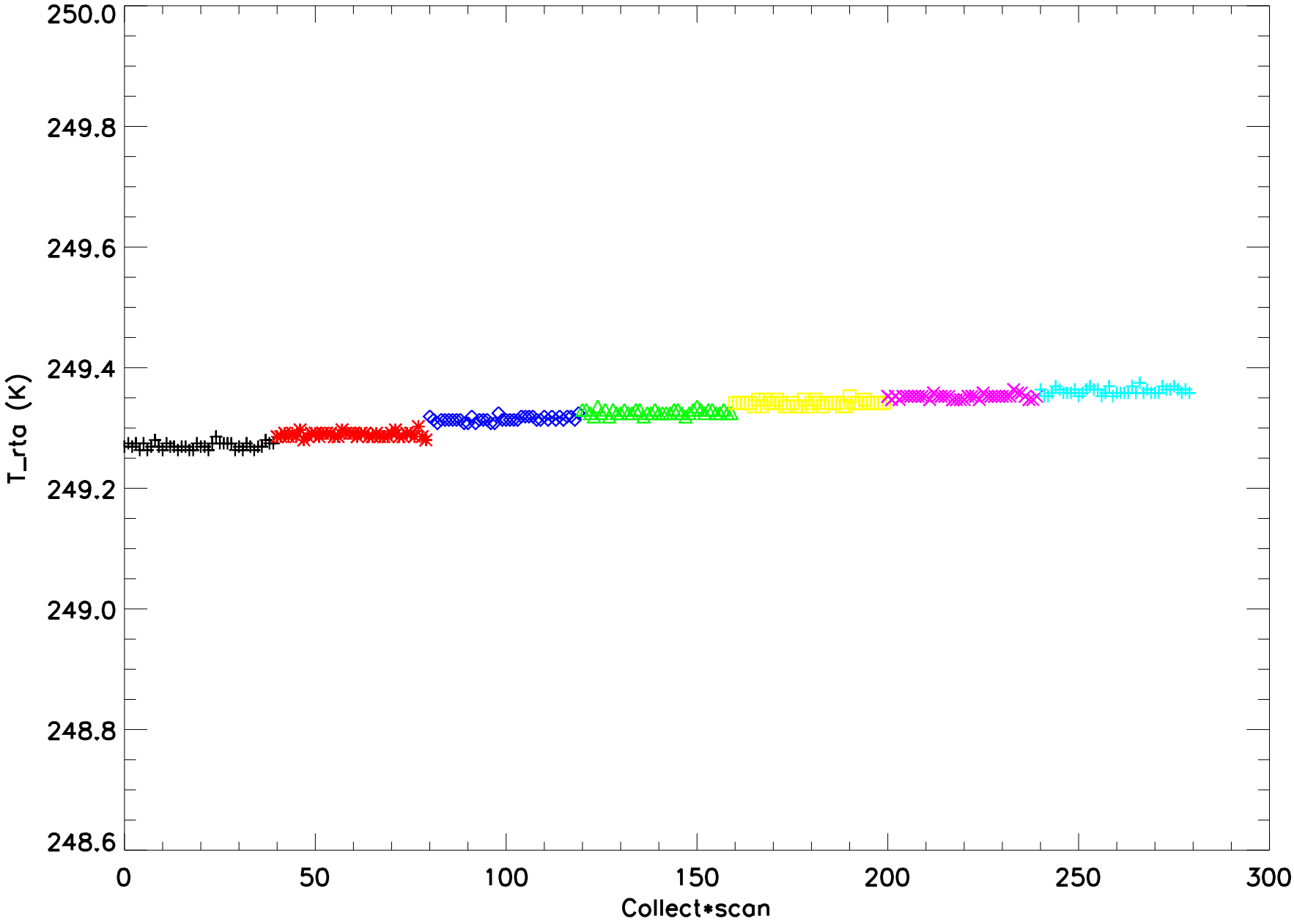

T_svs vs Collect
91.4
91.2
91.0
90.8
90.6
90.4
90.2
T_svs (K)
0
2
4
6
8
Collect

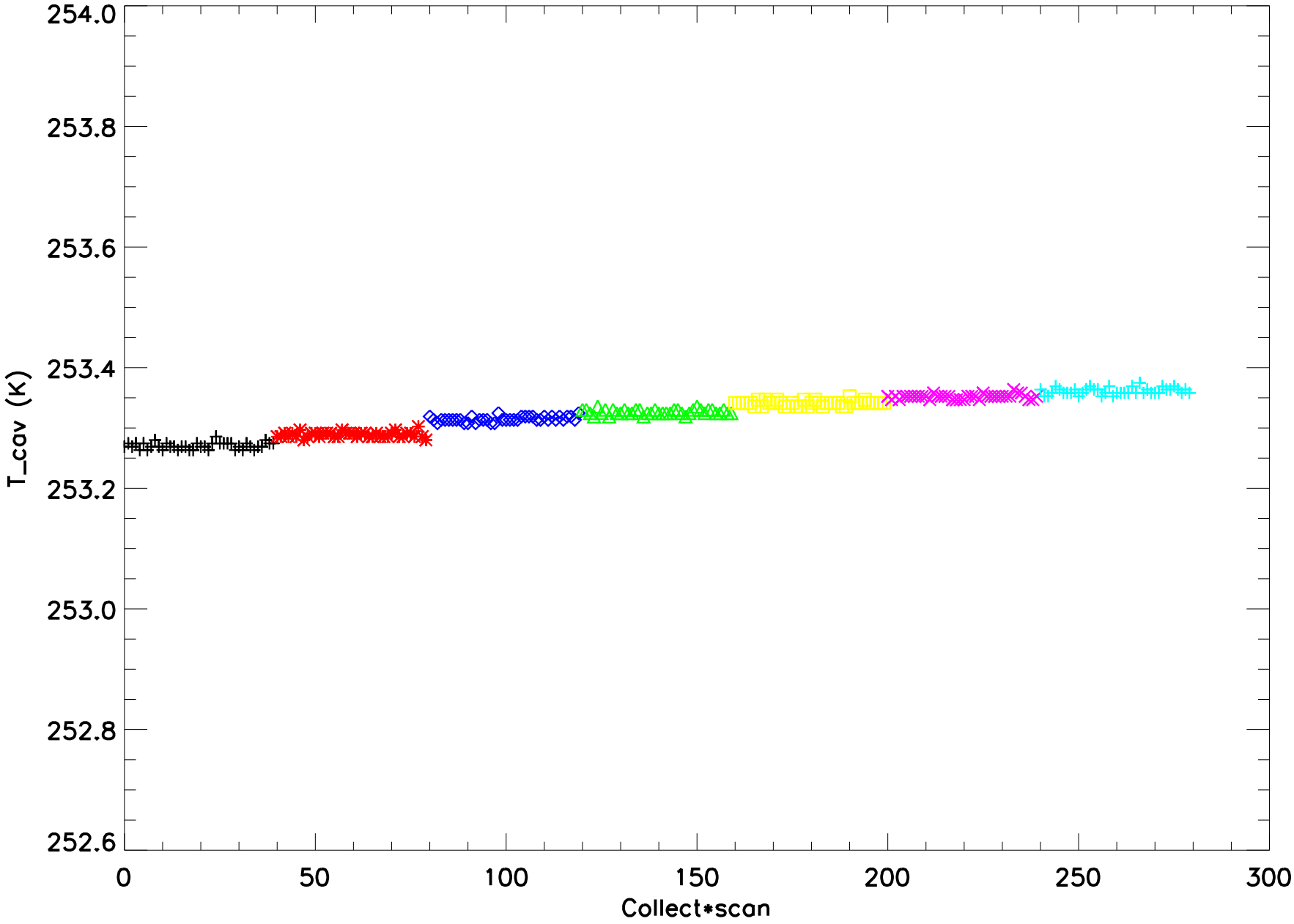

T_bcs vs Time
345.4
345.2
345.0
344.8
344.6
344.4
344.2
T_bcs (K)
−10
0
10
20
30
40
Time (min)

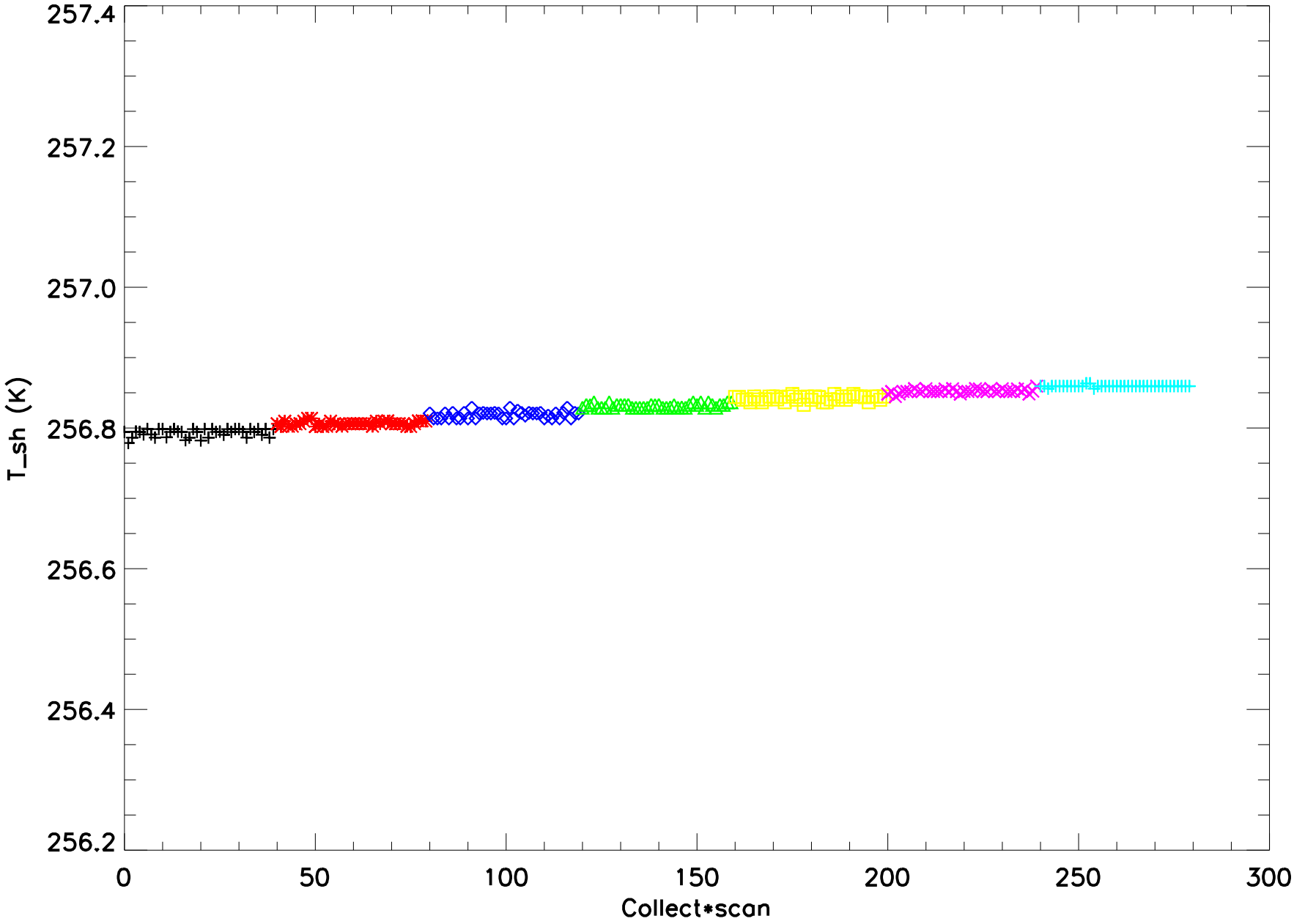

T_svs vs Time
91.4
91.2
91.0
90.8
90.6
90.4
90.2
T_svs (K)
−10
0
10
20
30
40
Time (min)

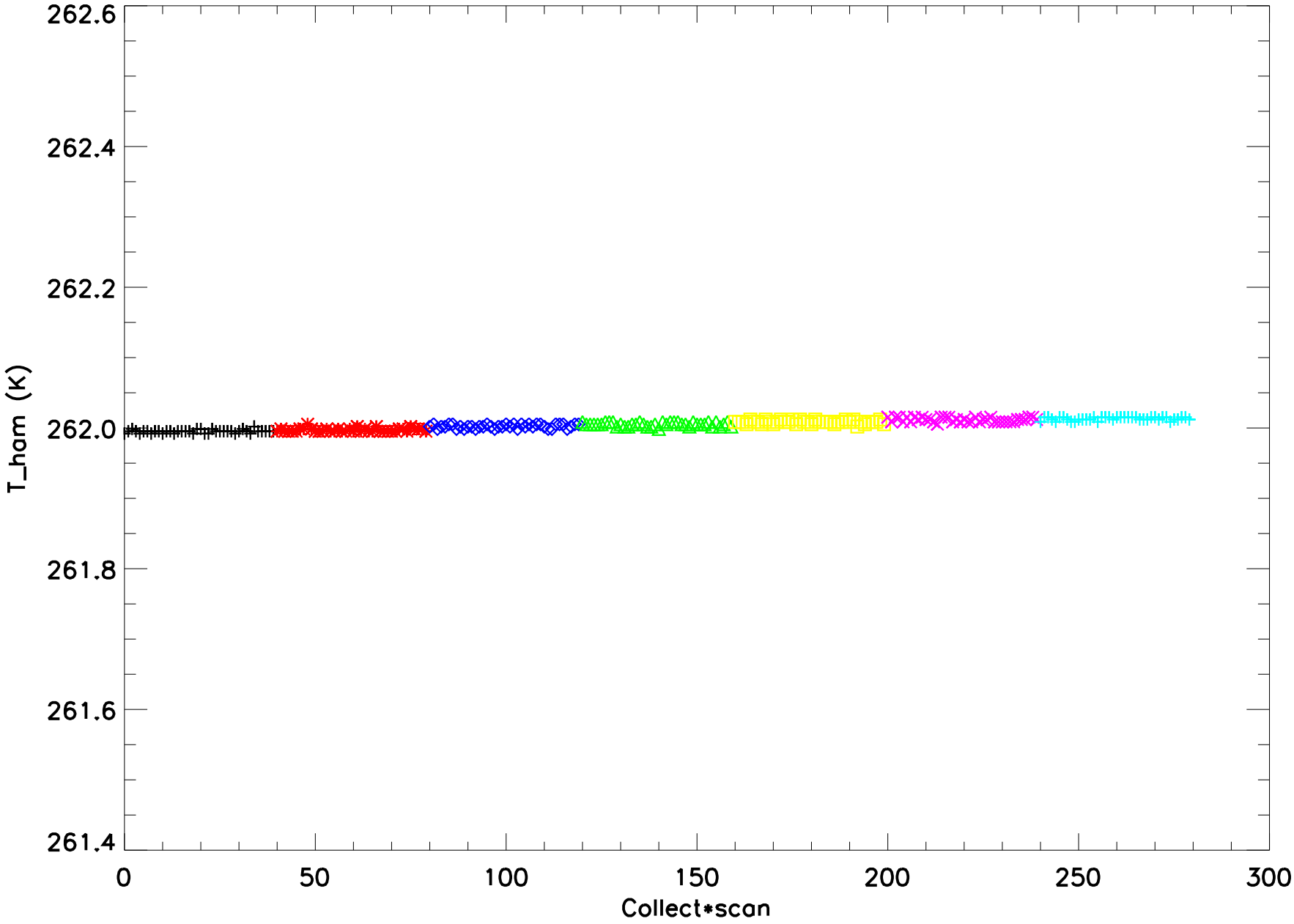

T_tmc vs Collect
295.0
294.8
294.6
294.4
294.2
294.0
293.8
T_tmc (K)
0
2
4
6
8
Collect

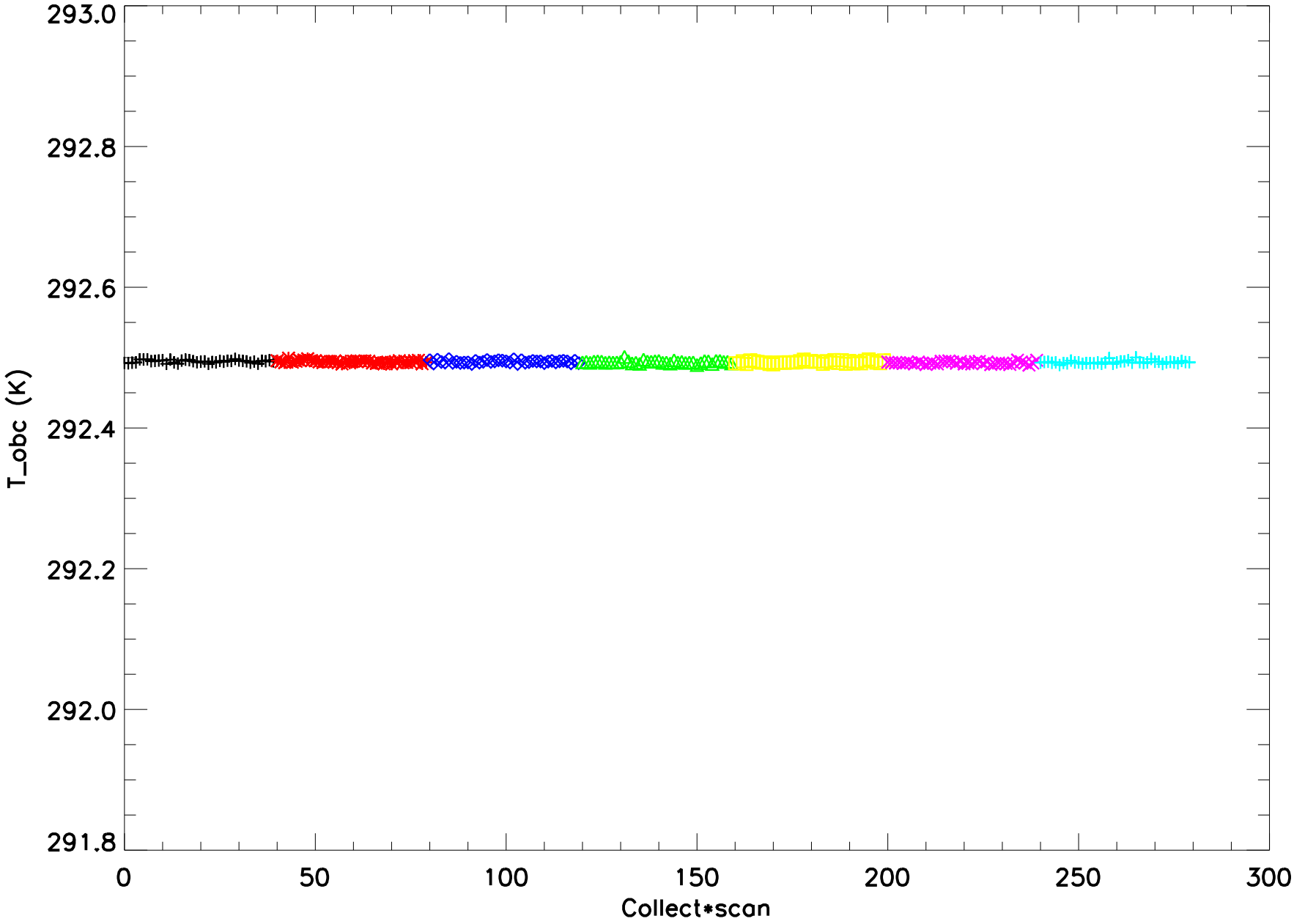

T_tmc vs Time
295.0
294.8
294.6
294.4
294.2
294.0
293.8
T_tmc (K)
−10
0
10
20
30
40
Time (min)

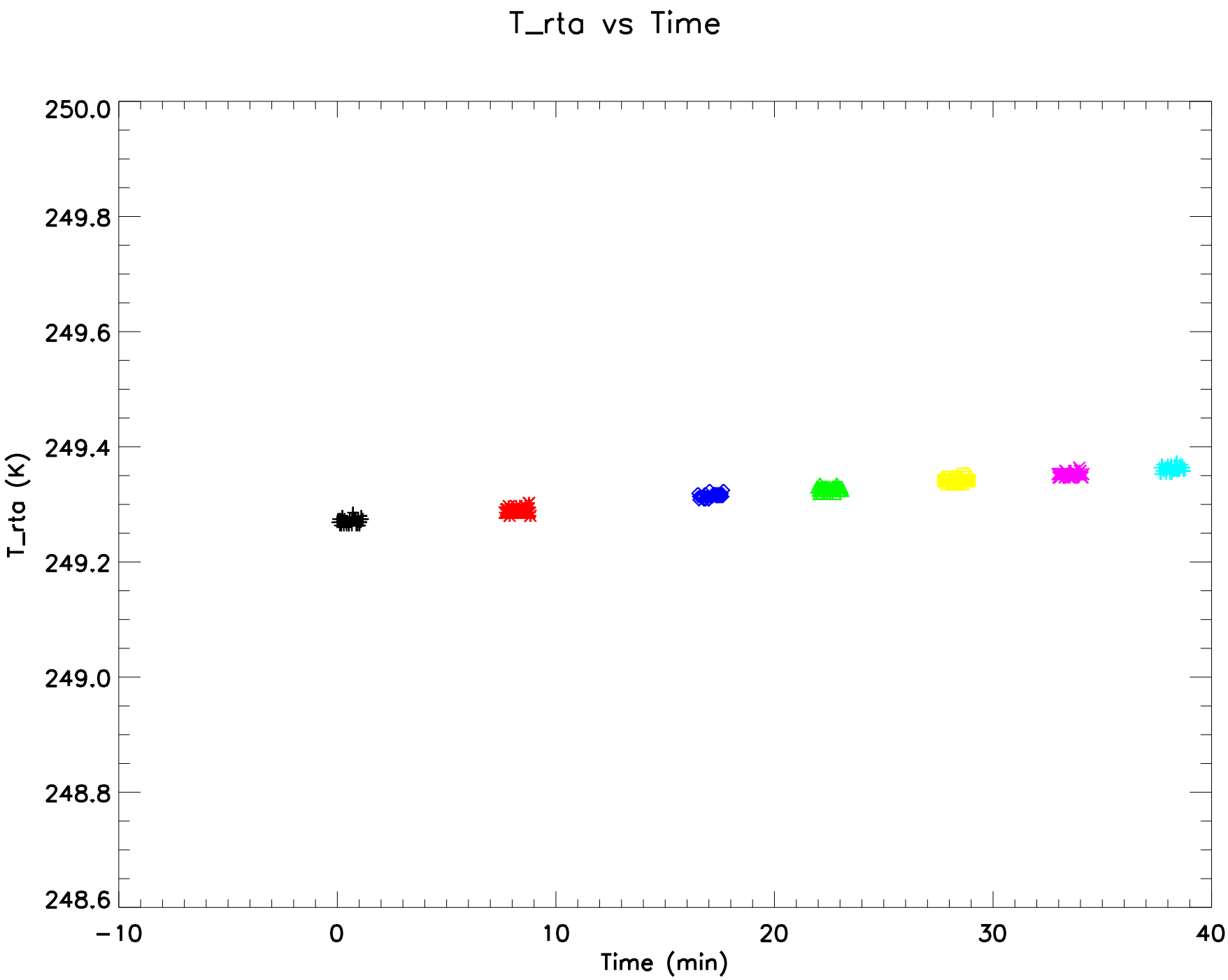

T_rta vs Scan and Collect
250.0
249.8
249.6
249.4
249.2
249.0
248.8
248.6
T_rta (K)
0
50
100
150
200
250
300
Collect*scan

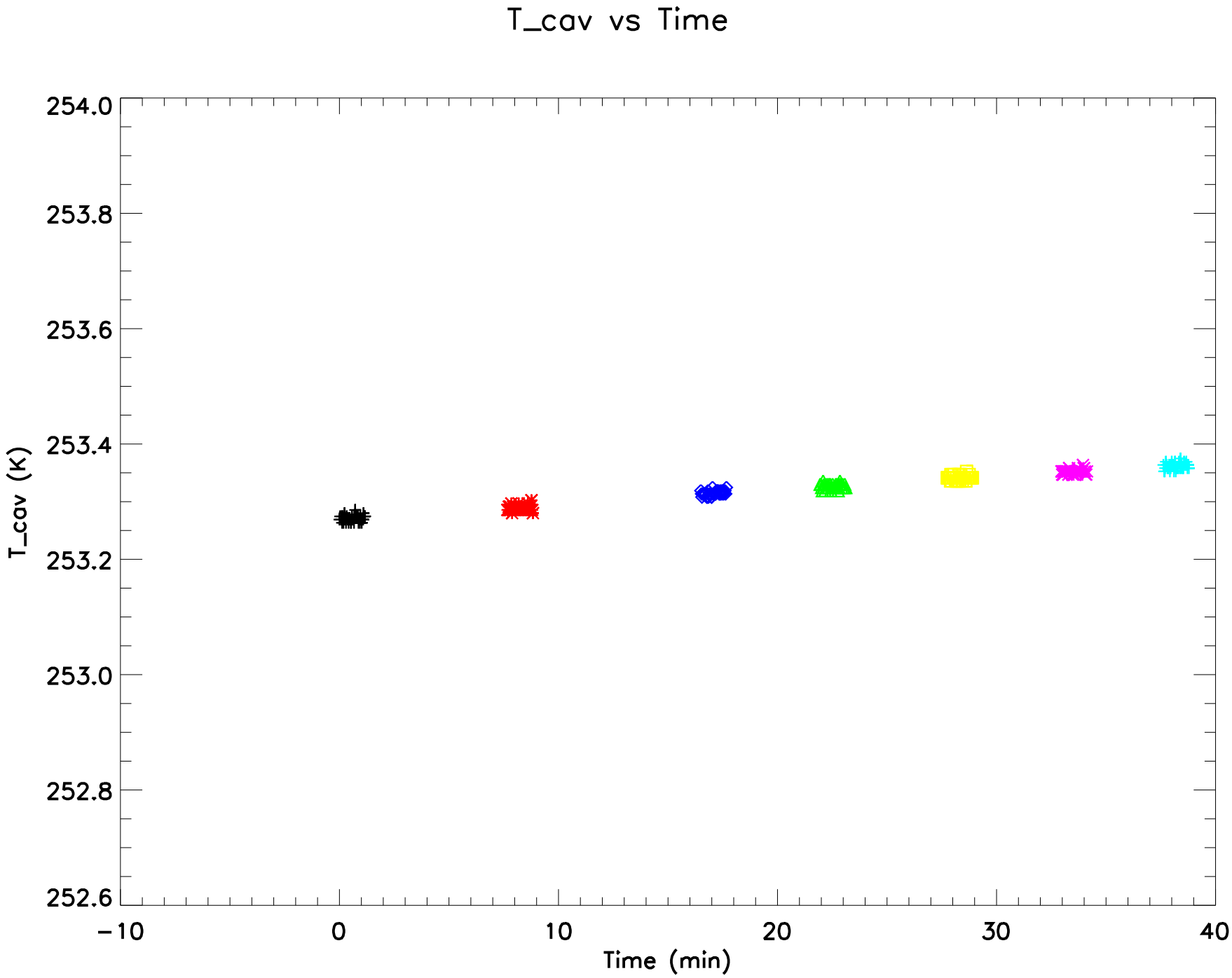

T_cav vs Scan and Collect
254.0
253.8
253.6
253.4
253.2
253.0
252.8
252.6
T_cav (K)
0
50
100
150
200
250
300
Collect*scan

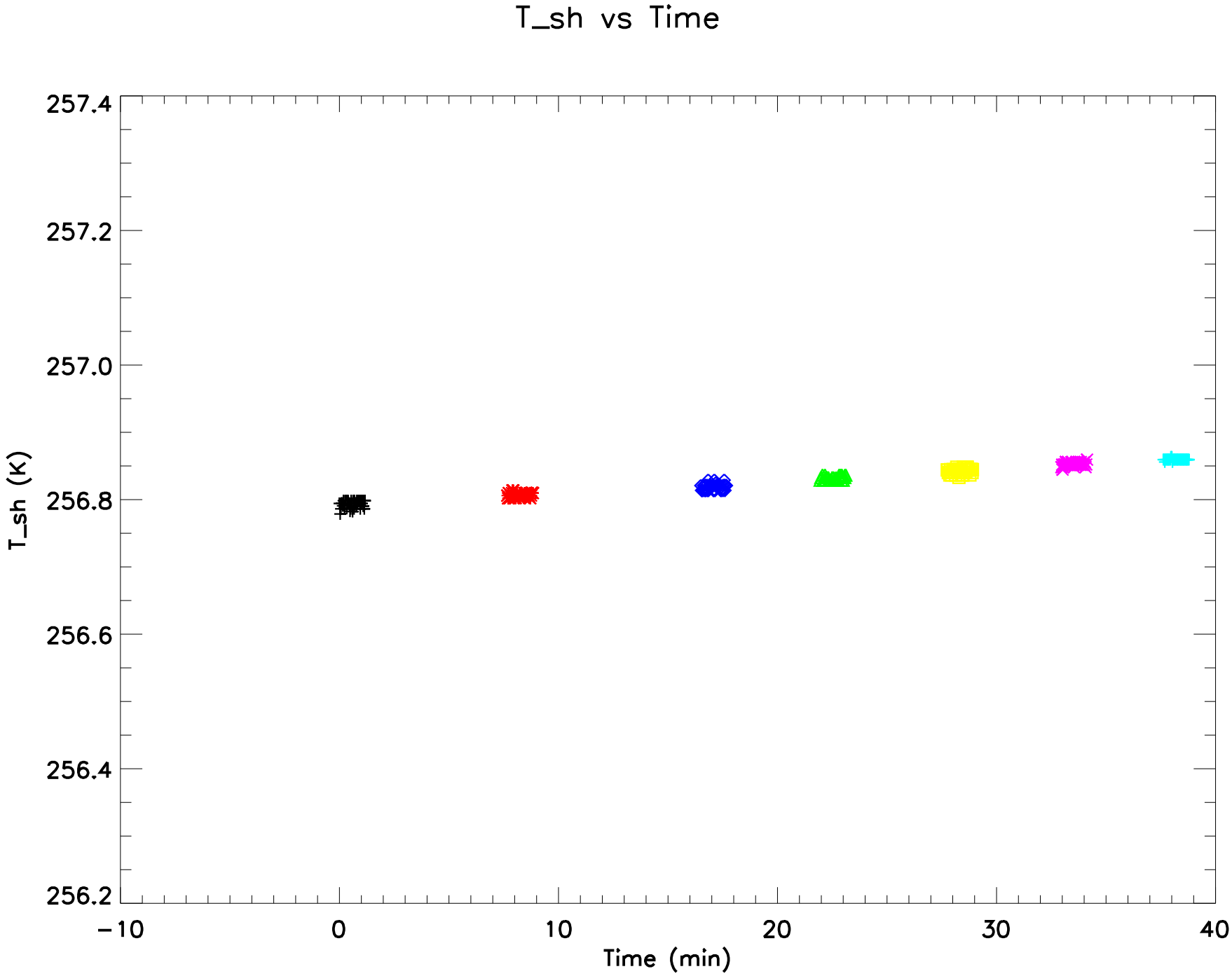

T_sh vs Scan and Collect
257.4
257.2
257.0
256.8
256.6
256.4
256.2
T_sh (K)
0
50
100
150
200
250
300
Collect*scan

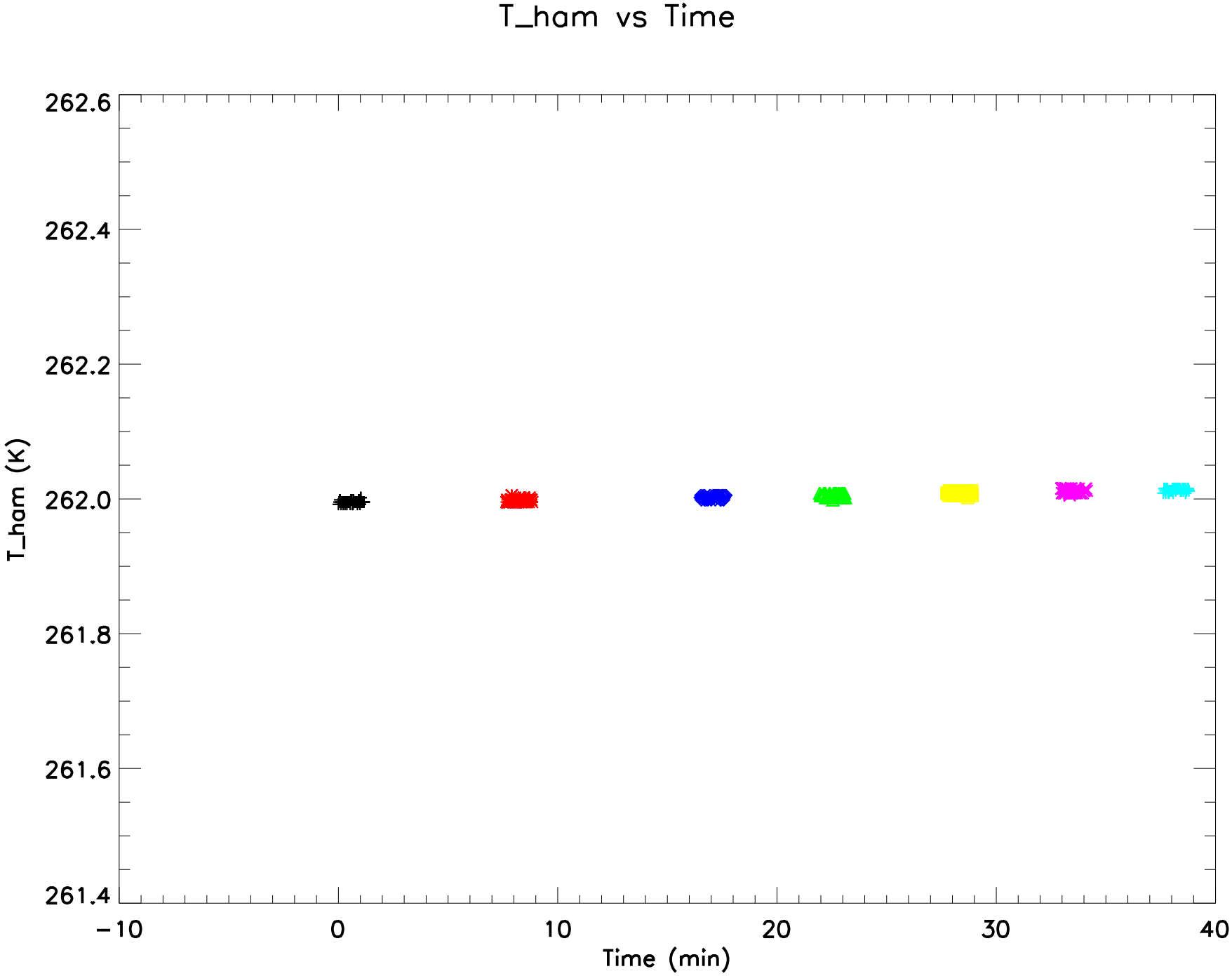

T_ham vs Scan and Collect
T_ham (K)
262.6
262.4
262.2
262.0
261.8
261.6
261.4
0
50
100
150
200
250
300
Collect*scan

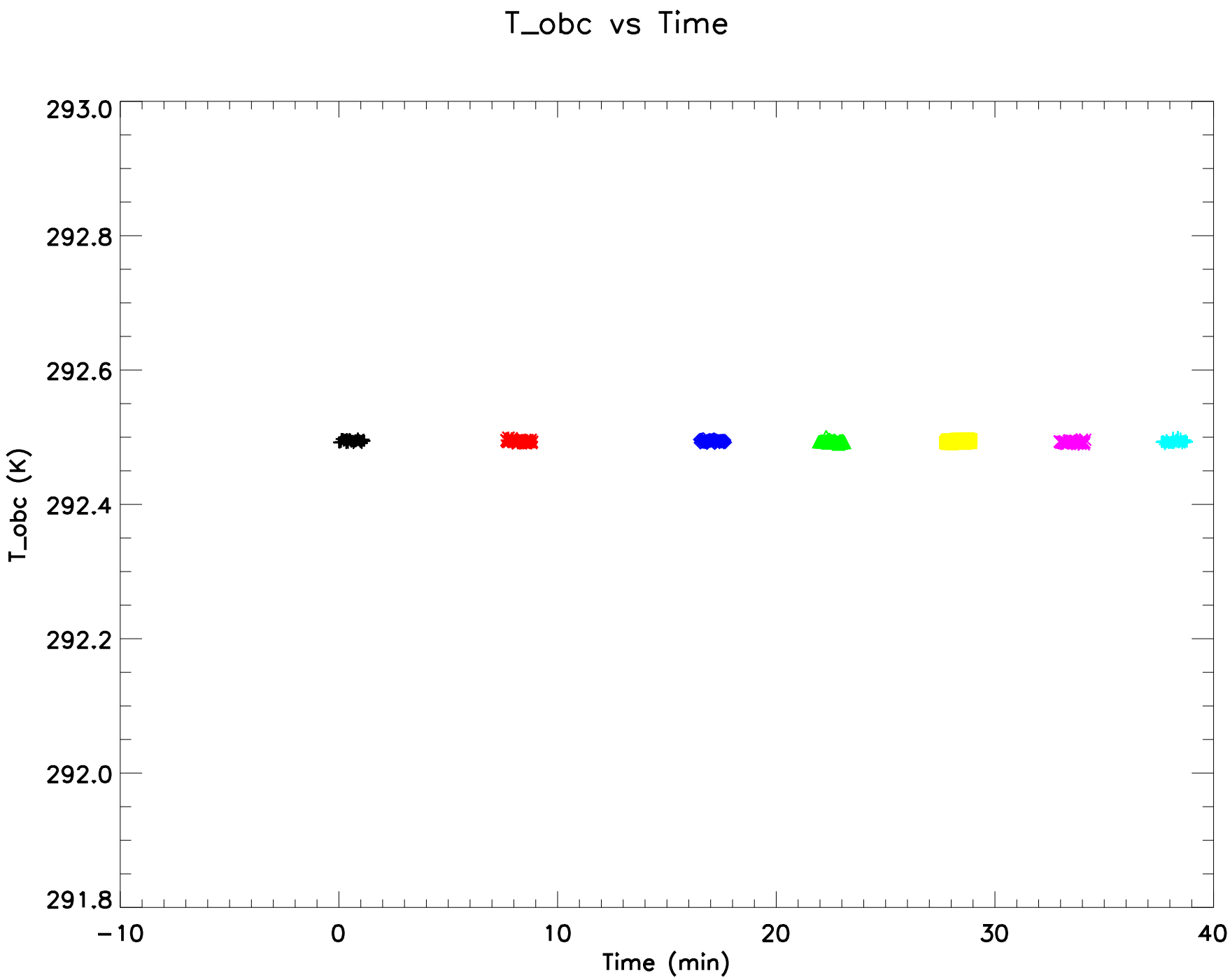

T_obc vs Scan and Collect
293.0
292.8
292.6
292.4
292.2
292.0
291.8
T_obc (K)
0
50
100
150
200
250
300
Collect*scan


T_rta vs Time
250.0
249.8
249.6
249.4
249.2
249.0
248.8
248.6
T_rta (K)
−10
0
10
20
30
40
Time (min)

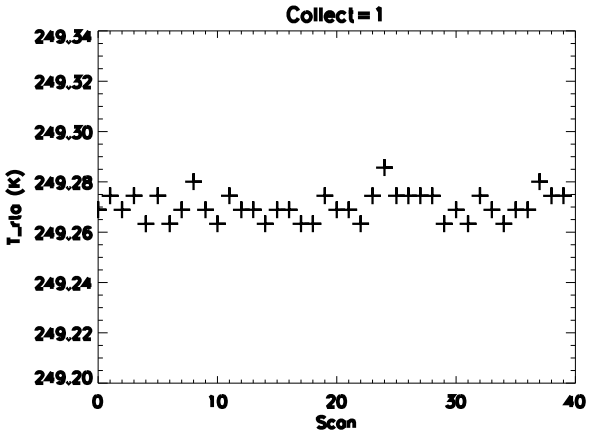

T_cav vs Time
254.0
253.8
253.6
253.4
253.2
253.0
252.8
252.6
T_cav (K)
−10
0
10
20
30
40
Time (min)

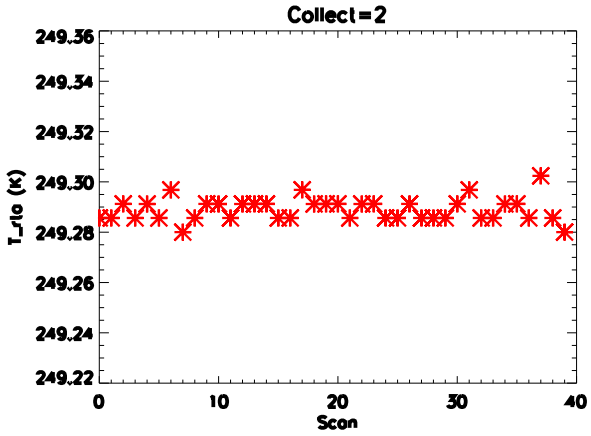

T_sh vs Time
257.4
257.2
257.0
256.8
256.6
256.4
256.2
T_sh (K)
−10
0
10
20
30
40
Time (min)

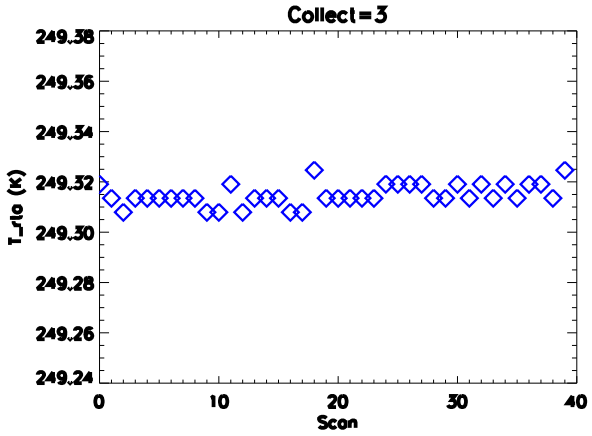

T_ham vs Time
T_ham (K)
262.6
262.4
262.2
262.0
261.8
261.6
261.4
−10
0
10
20
30
40
Time (min)

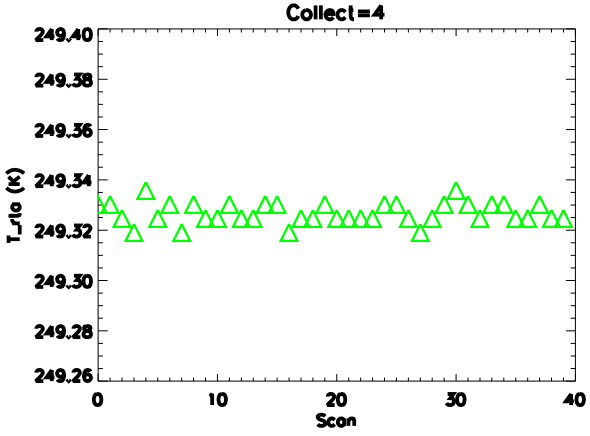

T_obc vs Time
293.0
292.8
292.6
292.4
292.2
292.0
291.8
T_obc (K)
−10
0
10
20
30
40
Time (min)

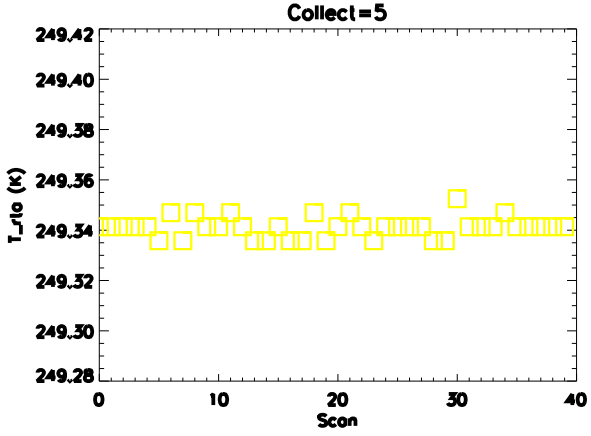
T_rta vs Scan

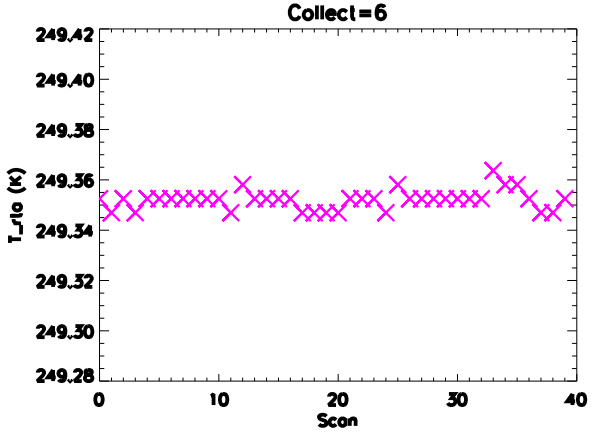

Collect=1
T_rta (K)
249.34
249.32
249.30
249.28
249.26
249.24
249.22
249.20
0
10
20
30
40
Scan

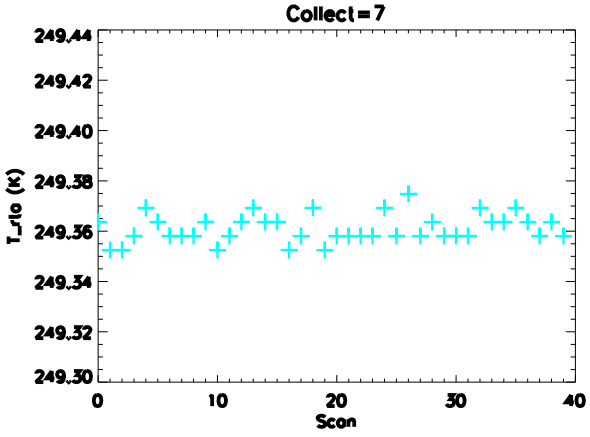

Collect=2
T_rta (K)
249.36
249.34
249.32
249.30
249.28
249.26
249.24
249.22
0
10
20
30
40
Scan


Collect=3
T_rta (K)
249.38
249.36
249.34
249.32
249.30
249.28
249.26
249.24
0
10
20
30
40
Scan

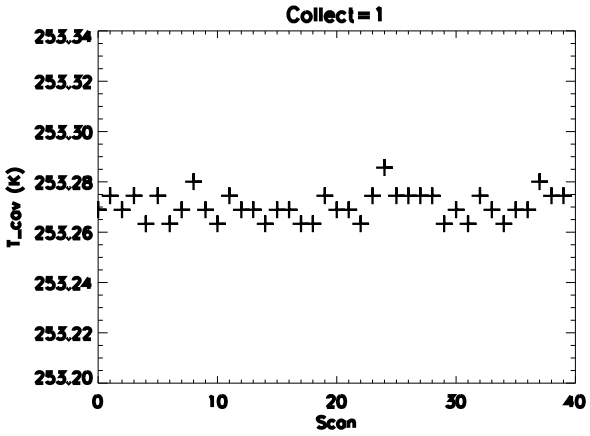

Collect=4
T_rta (K)
249.40
249.38
249.36
249.34
249.32
249.30
249.28
249.26
0
10
20
30
40
Scan

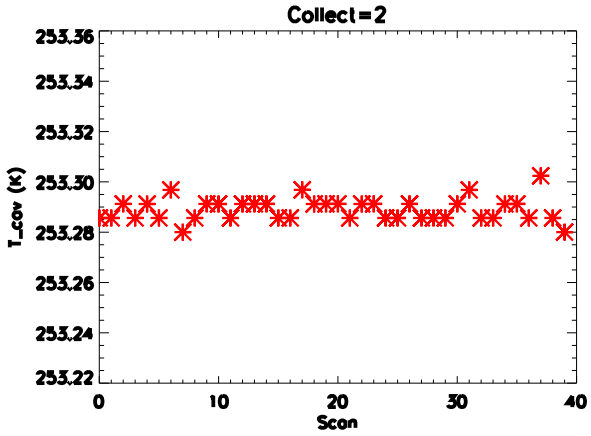

Collect=5
T_rta (K)
249.42
249.40
249.38
249.36
249.34
249.32
249.30
249.28
0
10
20
30
40
Scan

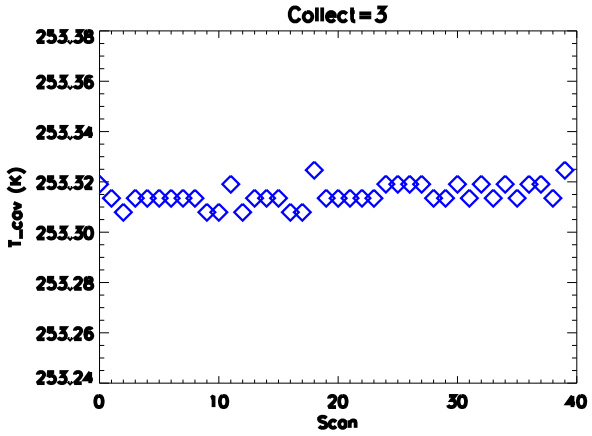

Collect=6
T_rta (K)
249.42
249.40
249.38
249.36
249.34
249.32
249.30
249.28
0
10
20
30
40
Scan

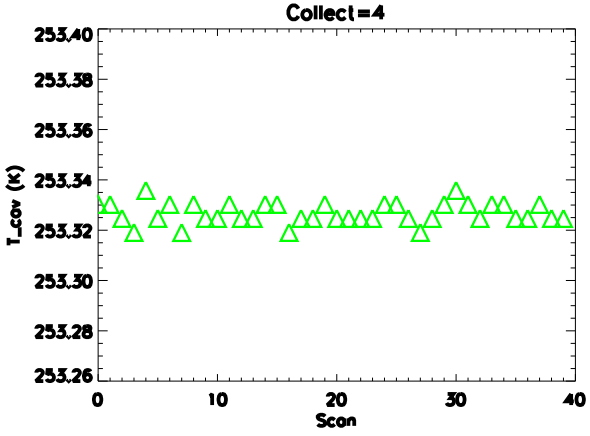

Collect=7
T_rta (K)
249.44
249.42
249.40
249.38
249.36
249.34
249.32
249.30
0
10
20
30
40
Scan

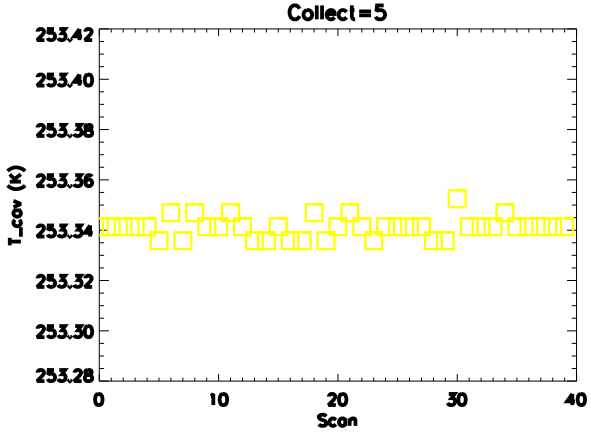
T_cav vs Scan

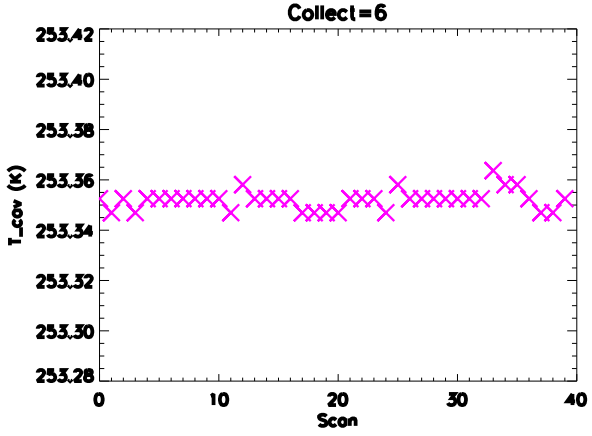

Collect=1
T_cav (K)
253.34
253.32
253.30
253.28
253.26
253.24
253.22
253.20
0
10
20
30
40
Scan

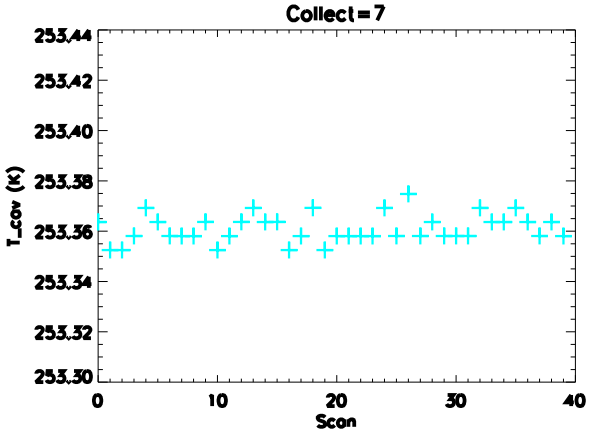

Collect=2
T_cav (K)
253.36
253.34
253.32
253.30
253.28
253.26
253.24
253.22
0
10
20
30
40
Scan


Collect=3
T_cav (K)
253.38
253.36
253.34
253.32
253.30
253.28
253.26
253.24
0
10
20
30
40
Scan

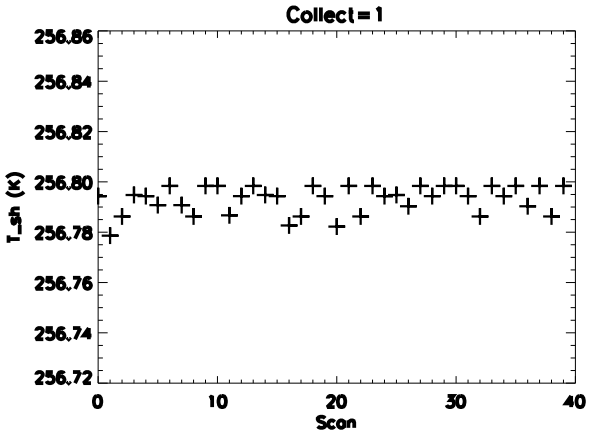

Collect=4
T_cav (K)
253.40
253.38
253.36
253.34
253.32
253.30
253.28
253.26
0
10
20
30
40
Scan

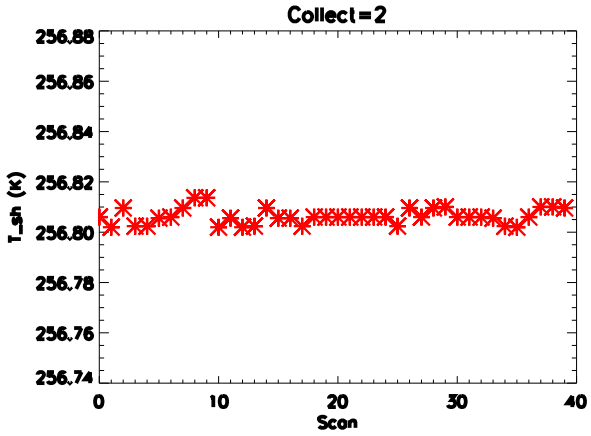

Collect=5
T_cav (K)
253.42
253.40
253.38
253.36
253.34
253.32
253.30
253.28
0
10
20
30
40
Scan

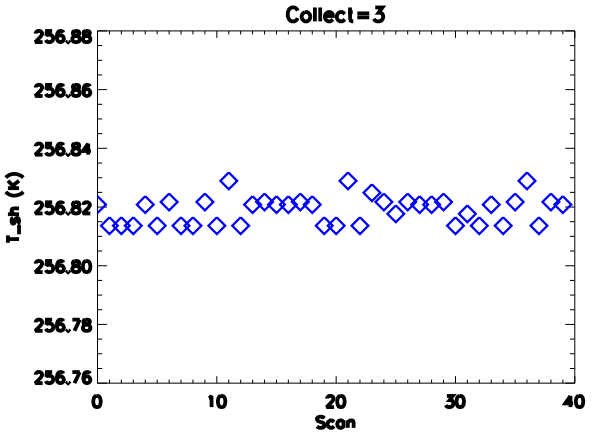

Collect=6
T_cav (K)
253.42
253.40
253.38
253.36
253.34
253.32
253.30
253.28
0
10
20
30
40
Scan

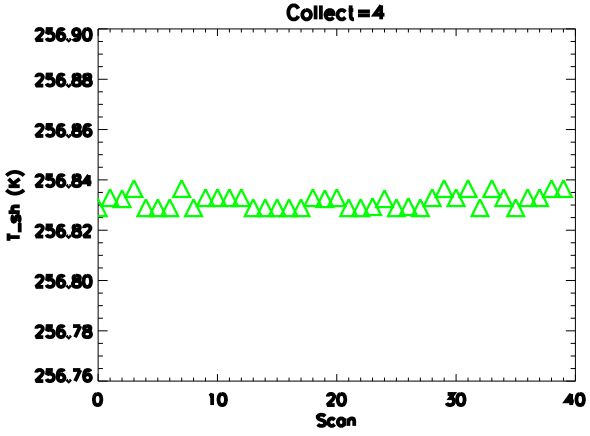

Collect=7
T_cav (K)
253.44
253.42
253.40
253.38
253.36
253.34
253.32
253.30
0
10
20
30
40
Scan

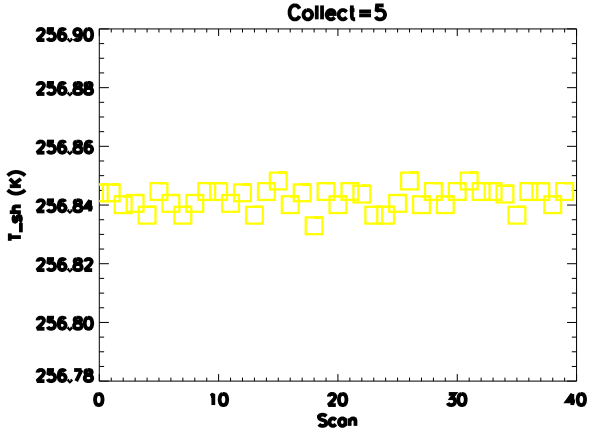
T_sh vs Scan

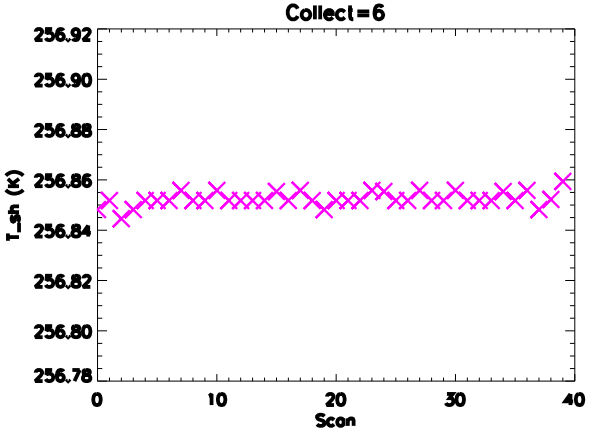

Collect=1
T_sh (K)
256.86
256.84
256.82
256.80
256.78
256.76
256.74
256.72
0
10
20
30
40
Scan

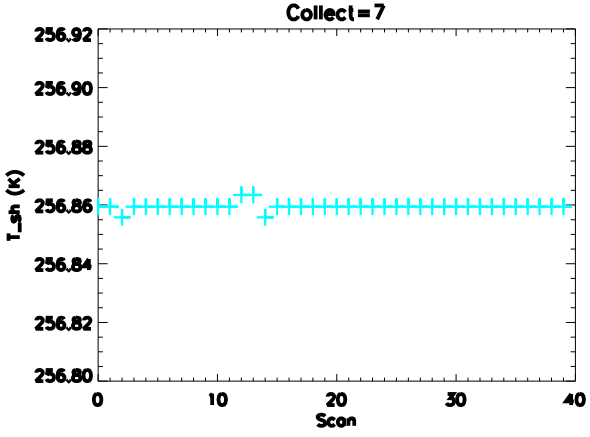

Collect=2
T_sh (K)
256.88
256.86
256.84
256.82
256.80
256.78
256.76
256.74
0
10
20
30
40
Scan


Collect=3
T_sh (K)
256.88
256.86
256.84
256.82
256.80
256.78
256.76
0
10
20
30
40
Scan

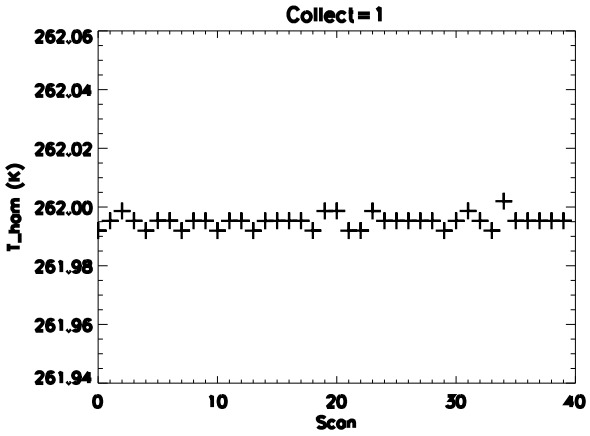

Collect=4
T_sh (K)
256.90
256.88
256.86
256.84
256.82
256.80
256.78
256.76
0
10
20
30
40
Scan

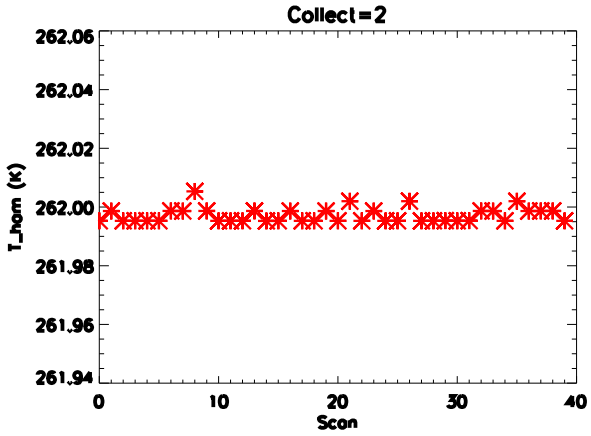

Collect=5
T_sh (K)
256.90
256.88
256.86
256.84
256.82
256.80
256.78
0
10
20
30
40
Scan

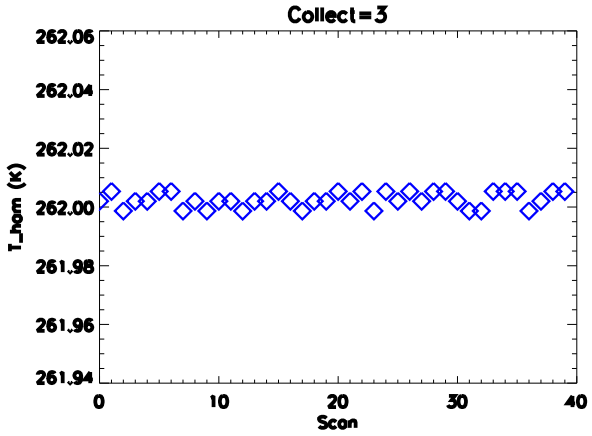

Collect=6
T_sh (K)
256.92
256.90
256.88
256.86
256.84
256.82
256.80
256.78
0
10
20
30
40
Scan

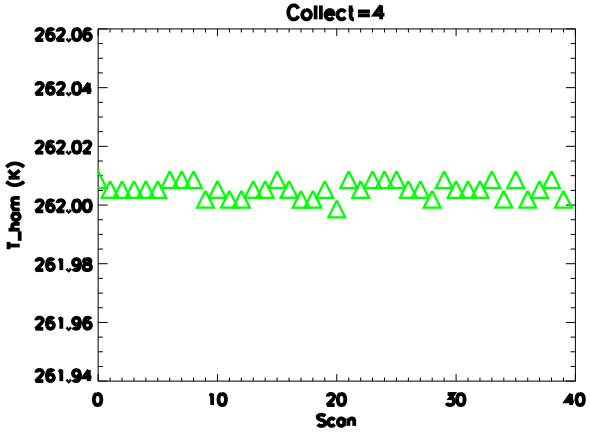

Collect=7
T_sh (K)
256.92
256.90
256.88
256.86
256.84
256.82
256.80
0
10
20
30
40
Scan

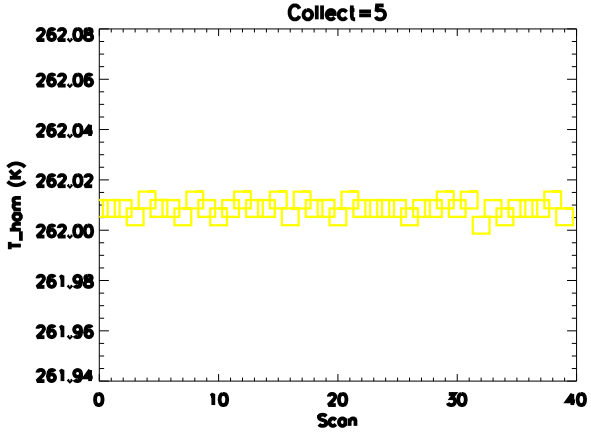
T_ham vs Scan

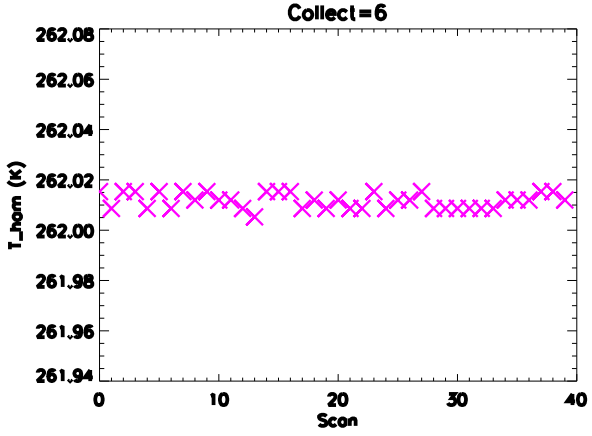

Collect=1
T_ham (K)
Scan
262.06
262.04
262.02
262.00
261.98
261.96
261.94
0
10
20
30
40

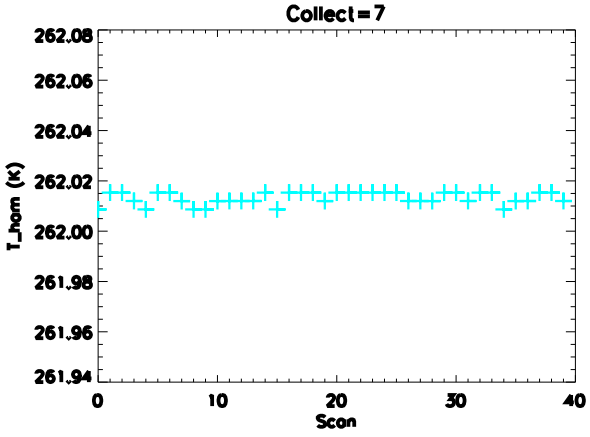

Collect=2
T_ham (K)
Scan
262.06
262.04
262.02
262.00
261.98
261.96
261.94
0
10
20
30
40


Collect=3
T_ham (K)
Scan
262.06
262.04
262.02
262.00
261.98
261.96
261.94
0
10
20
30
40

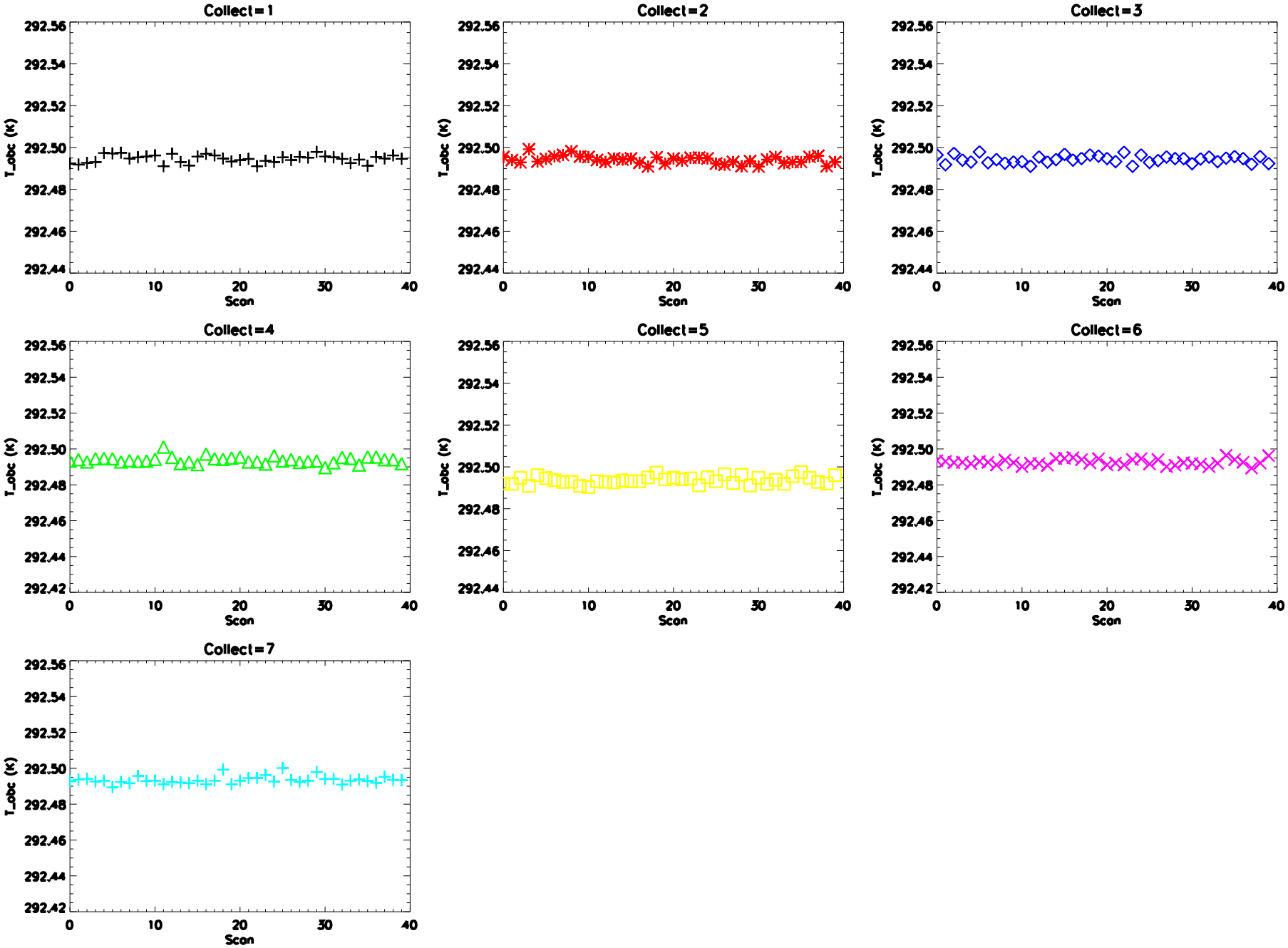

Collect=4
T_ham (K)
Scan
262.06
262.04
262.02
262.00
261.98
261.96
261.94
0
10
20
30
40

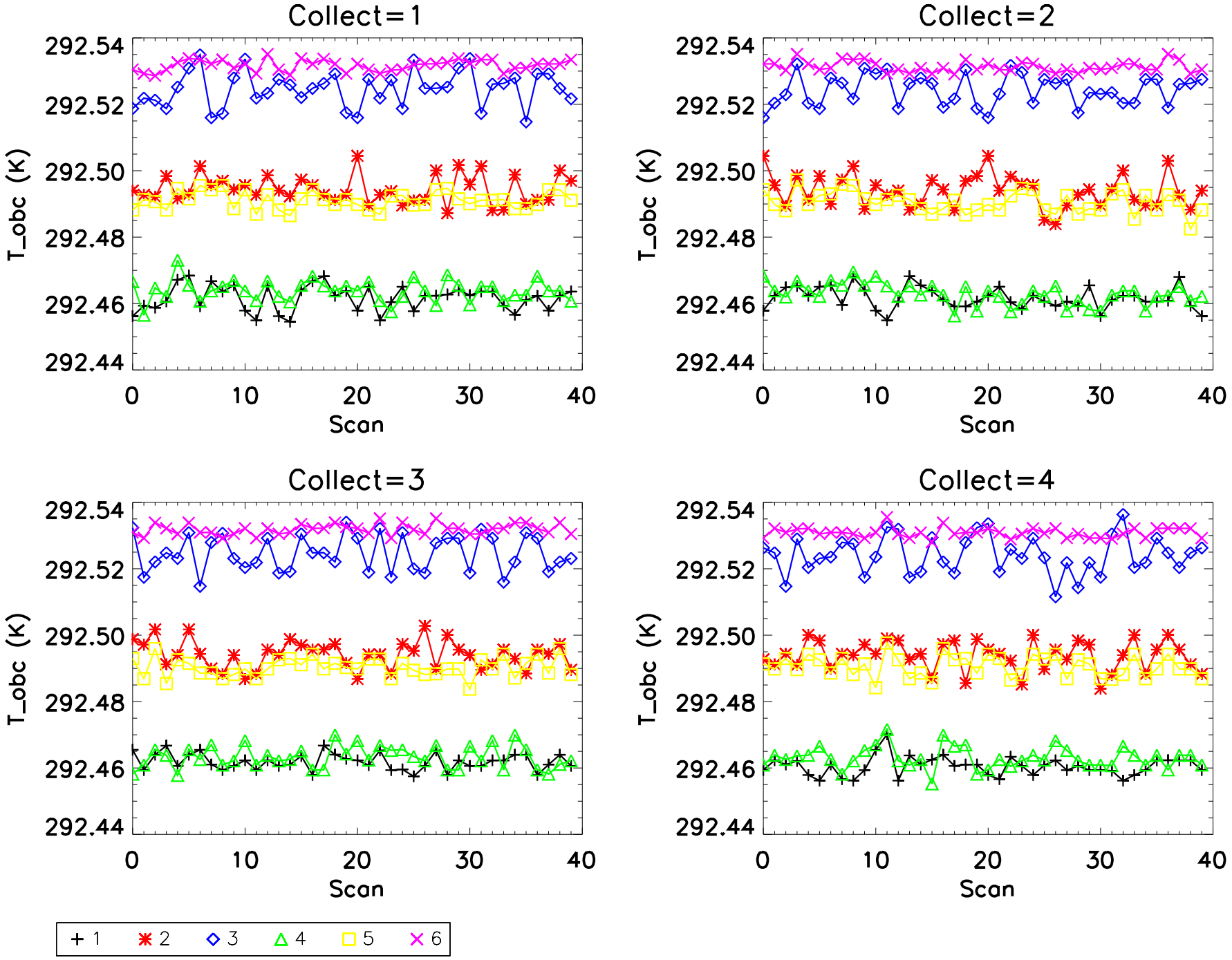

Collect=5
T_ham (K)
Scan
262.08
262.06
262.04
262.02
262.00
261.98
261.96
261.94
0
10
20
30
40

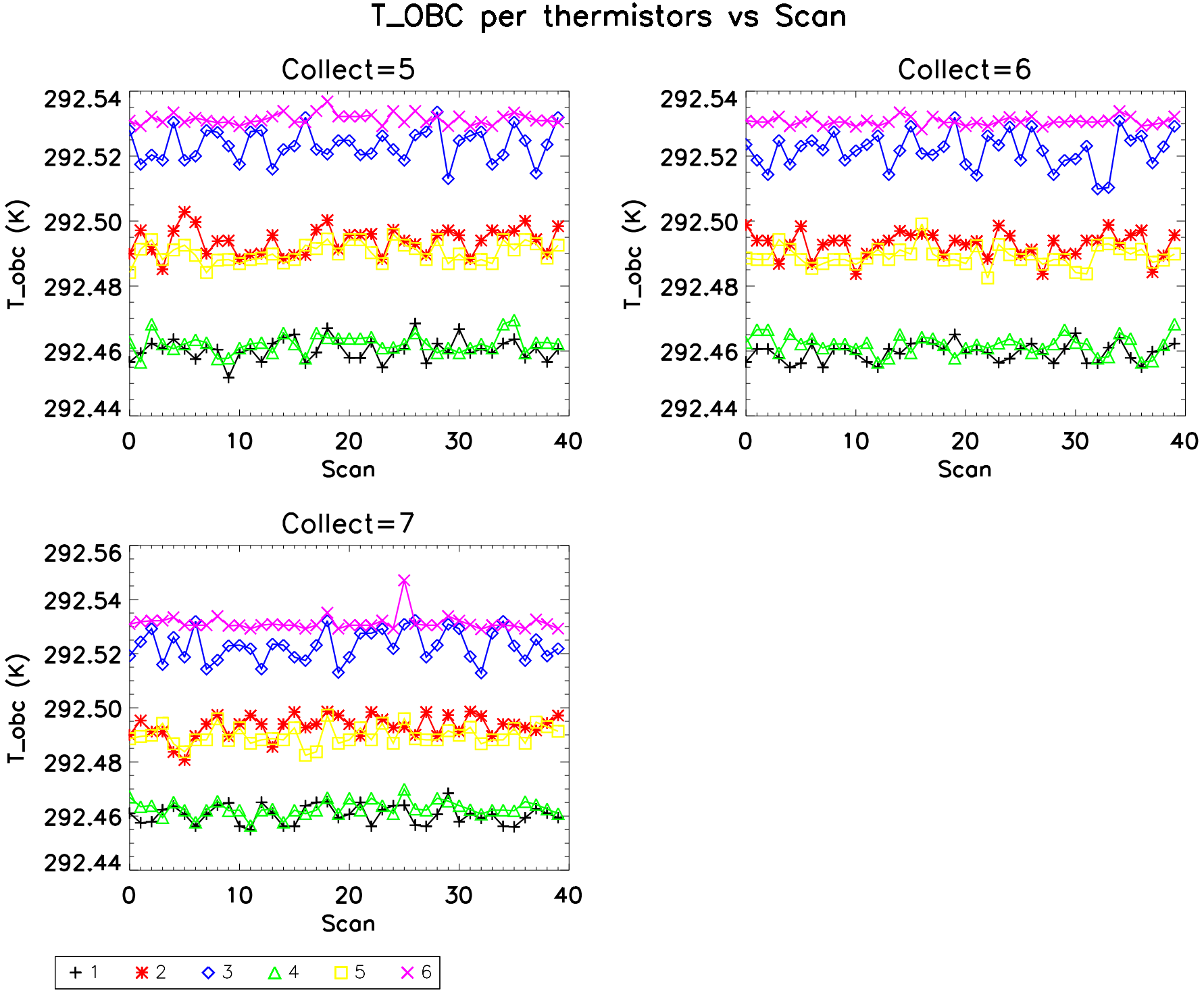

Collect=6
T_ham (K)
Scan
262.08
262.06
262.04
262.02
262.00
261.98
261.96
261.94
0
10
20
30
40

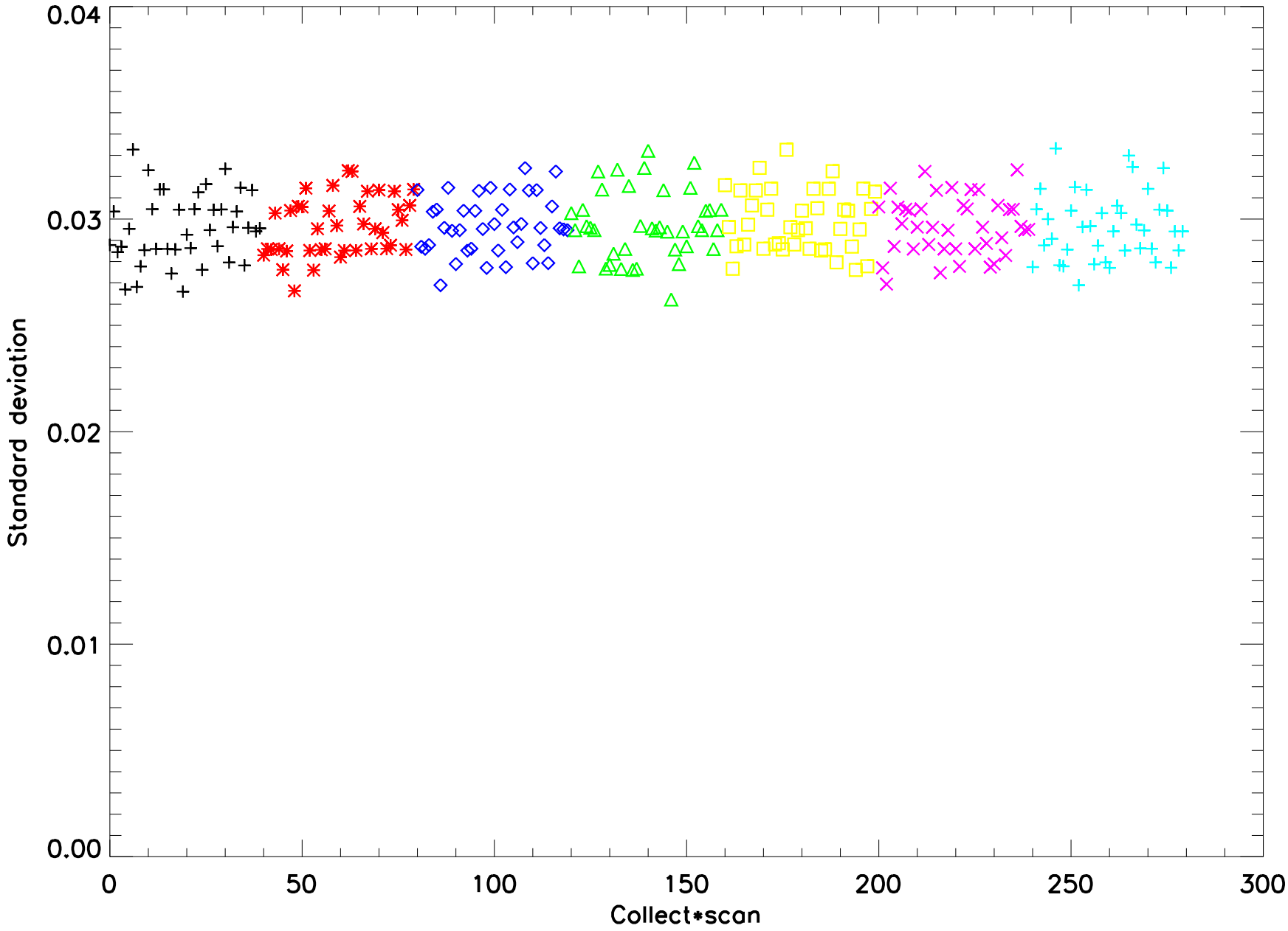

Collect=7
T_ham (K)
Scan
262.08
262.06
262.04
262.02
262.00
261.98
261.96
261.94
0
10
20
30
40

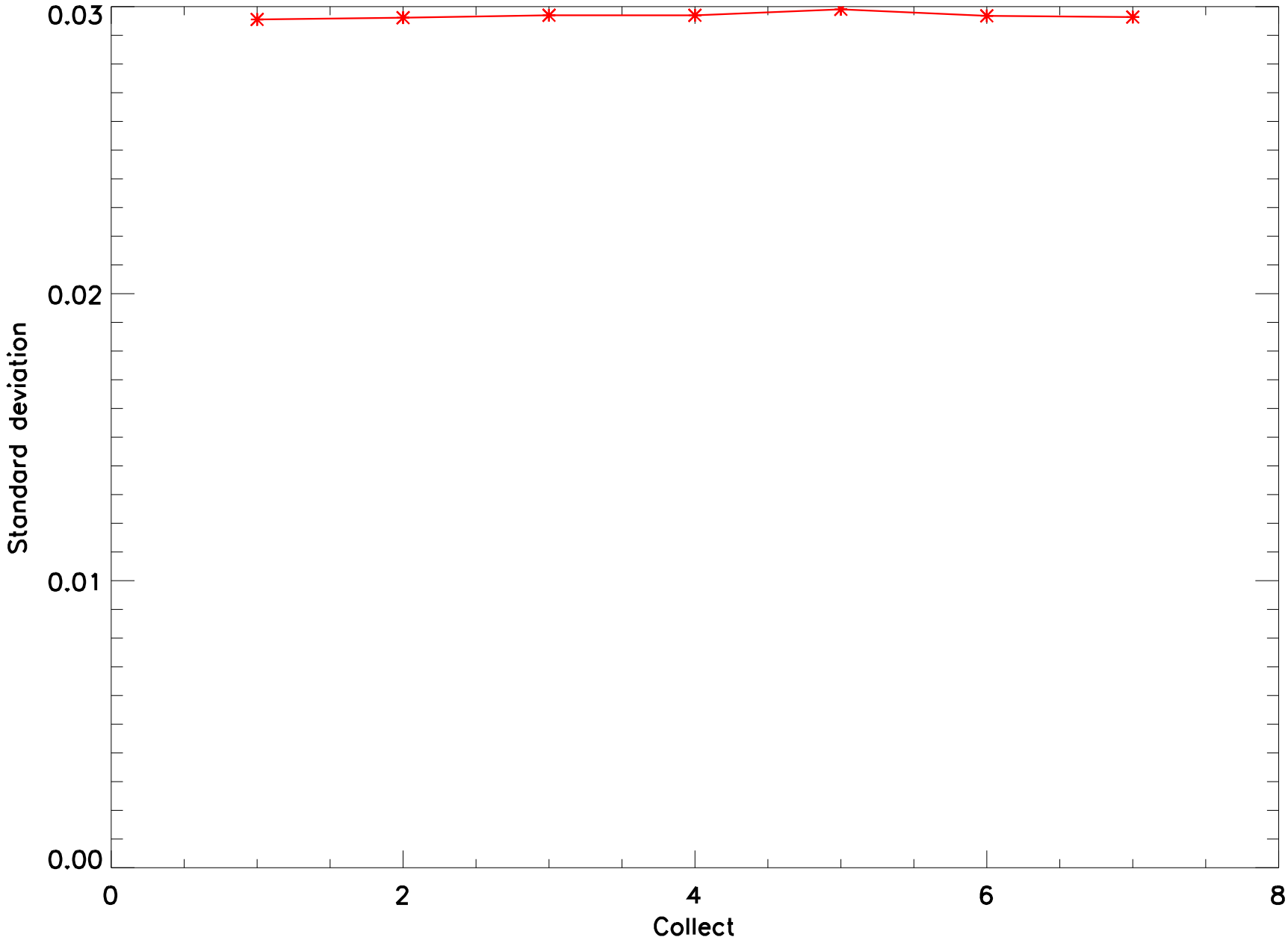
T_obc vs Scan

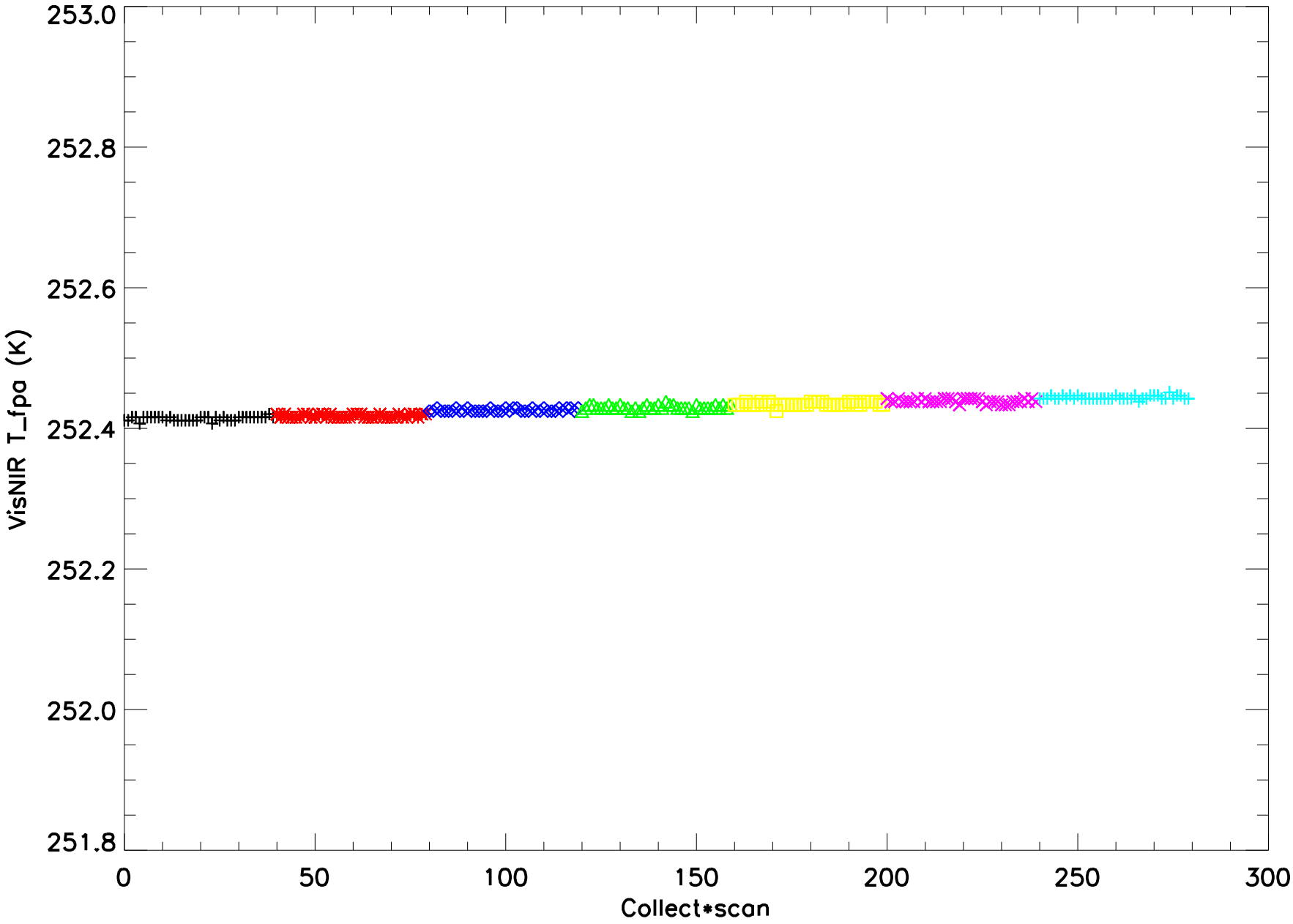

Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
T_obc (K)
Scan
292.56
292.54
292.52
292.50
292.48
292.46
292.44
292.42
0
10
20
30
40

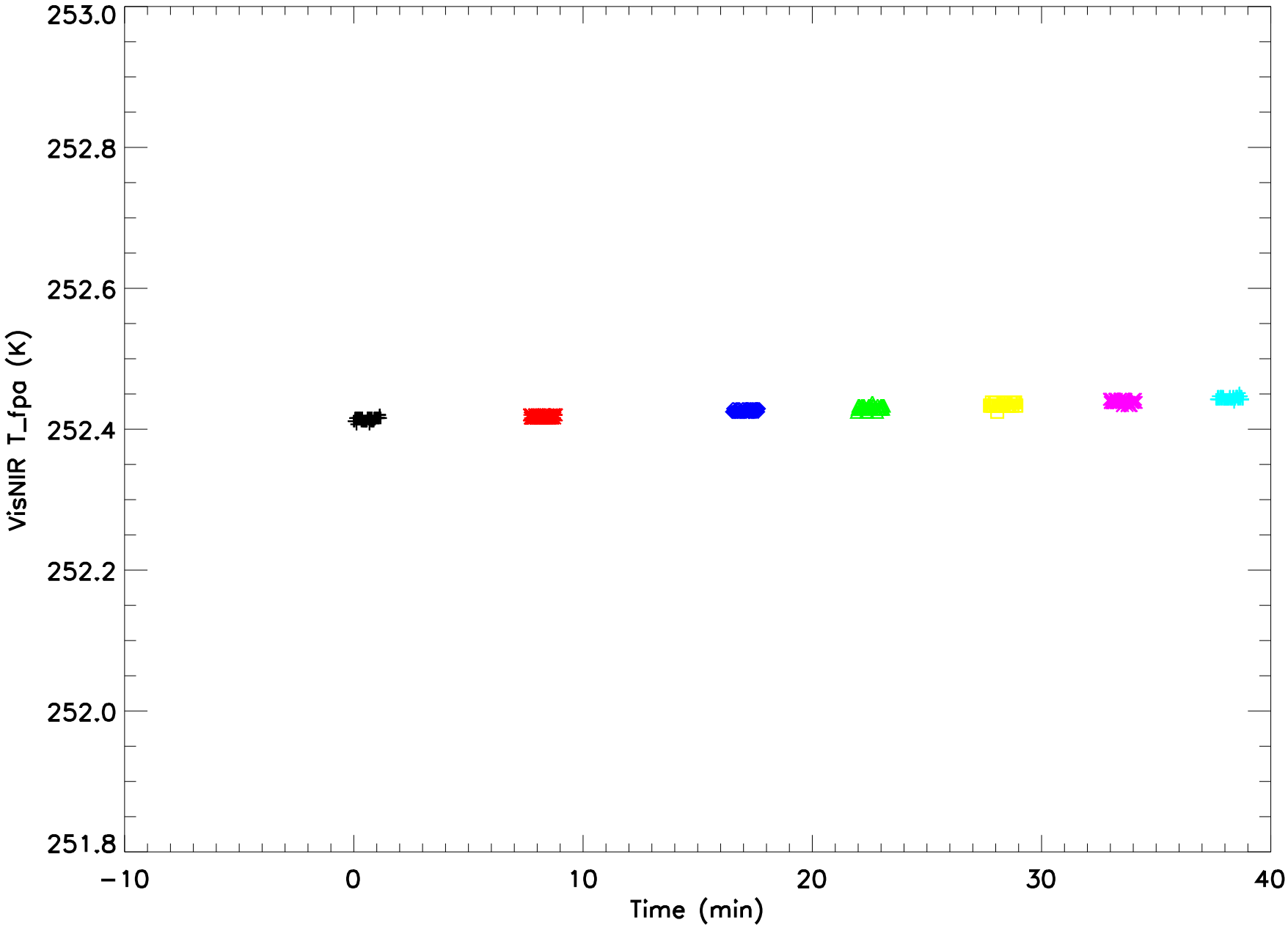

T_OBC per thermistors vs Scan
Collect=1
Collect=2
Collect=3
Collect=4
T_obc (K)
Scan
292.54
292.52
292.50
292.48
292.46
292.44
0
10
20
30
40
1
2
3
4
5
6


T_OBC per thermistors vs Scan
Collect=5
Collect=6
Collect=7
T_obc (K)
Scan
292.54
292.52
292.50
292.48
292.46
292.44
292.56
0
10
20
30
40
1
2
3
4
5
6

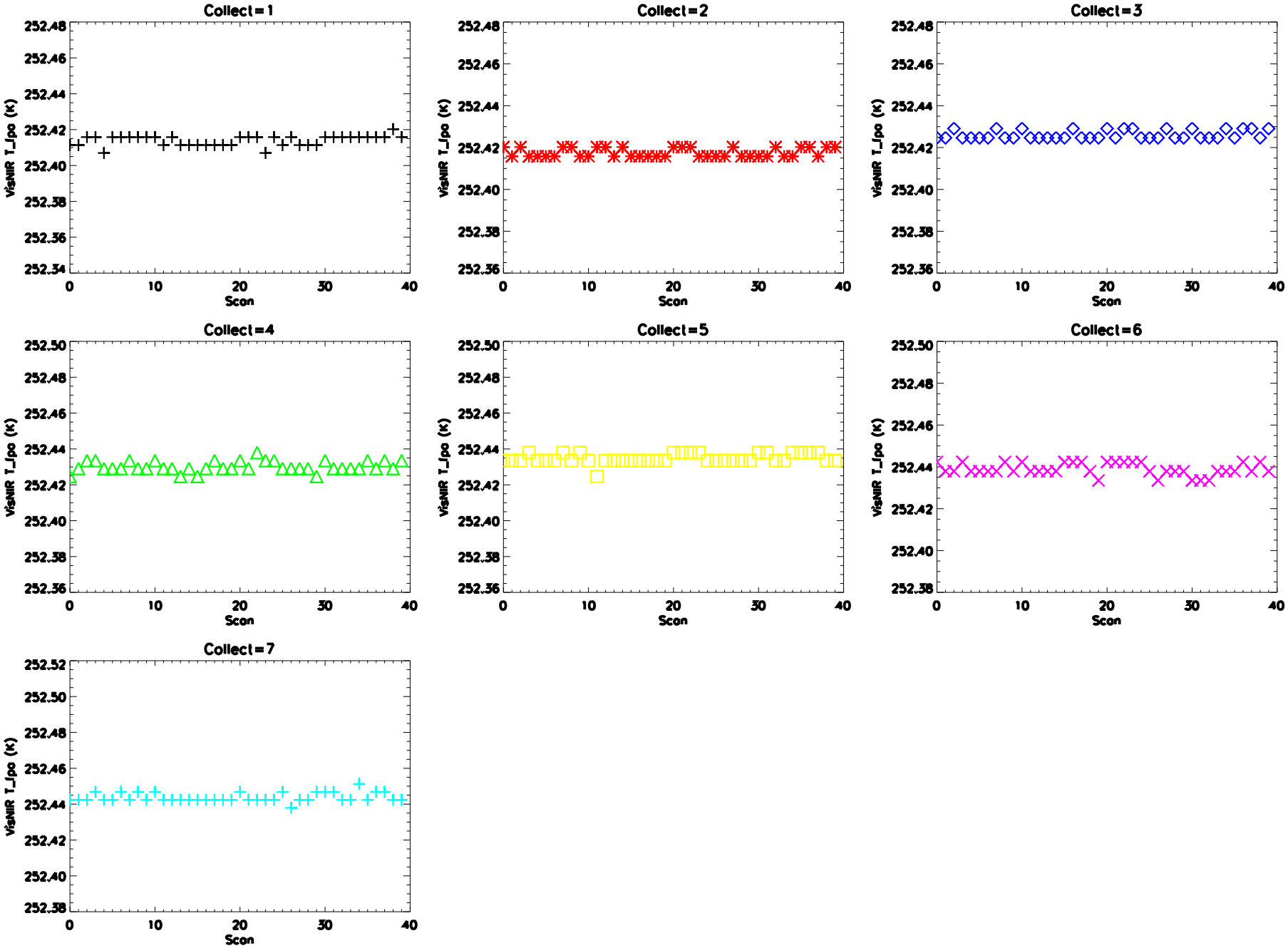

OBC thermistor standard deviation vs Scan and Collect
Standard deviation
0.04
0.03
0.02
0.01
0.00
0
50
100
150
200
250
300
Collect*scan

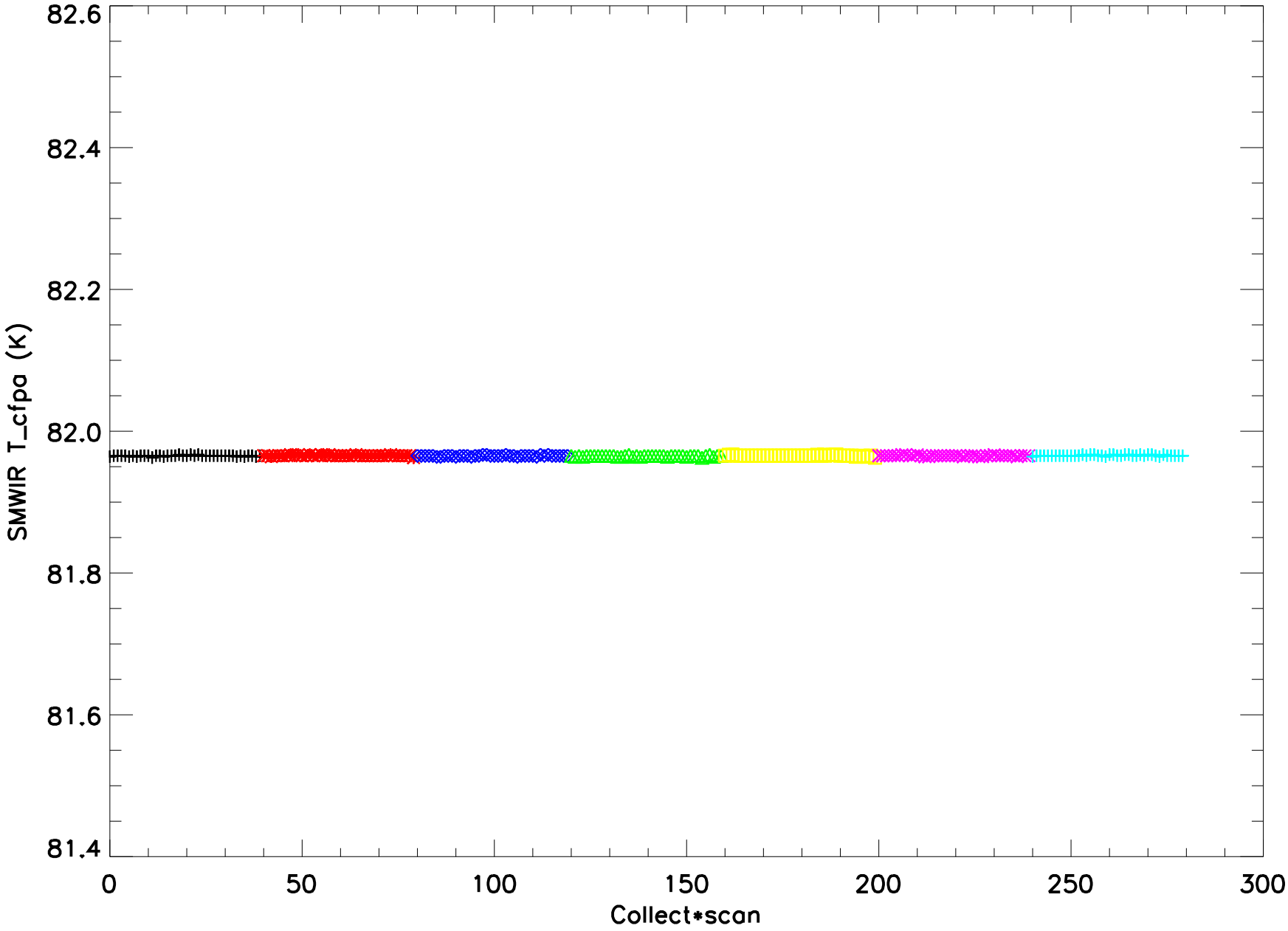

OBC thermistor standard deviation vs Collect
0.03
0.02
0.01
0.00
Standard deviation
0
2
4
6
8
Collect

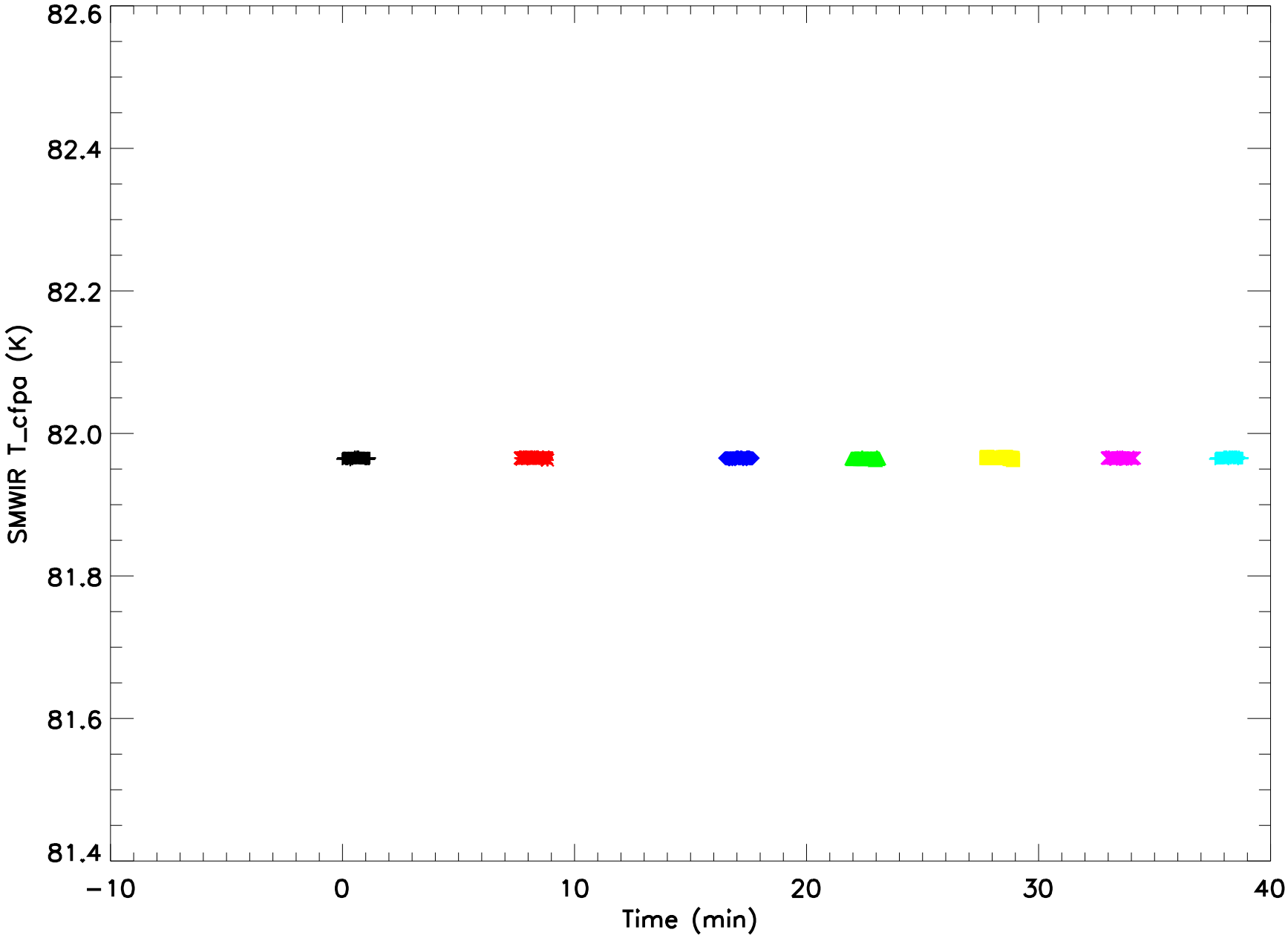

VisNIR T_fpa vs Scan and Collect
VisNIR T_fpa (K)
253.0
252.8
252.6
252.4
252.2
252.0
251.8
0
50
100
150
200
250
300
Collect*scan


VisNIR T_fpa vs Time
253.0
252.8
252.6
252.4
252.2
252.0
251.8
VisNIR T_fpa (K)
−10
0
10
20
30
40
Time (min)

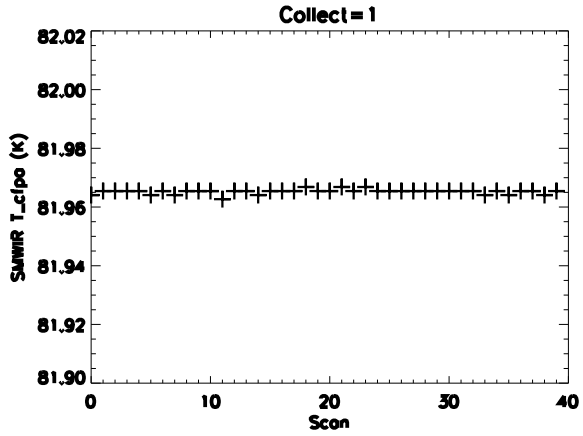
VisNIR T_fpa vs Scan

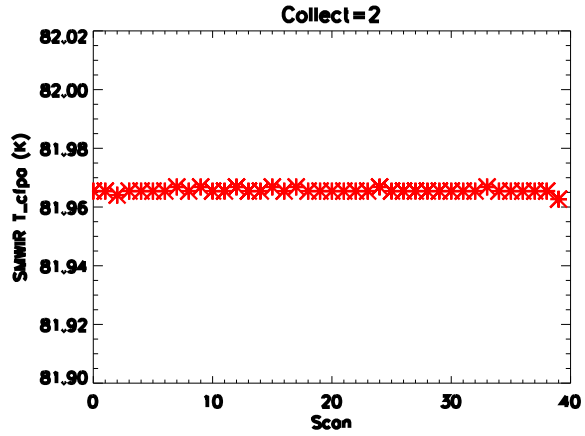


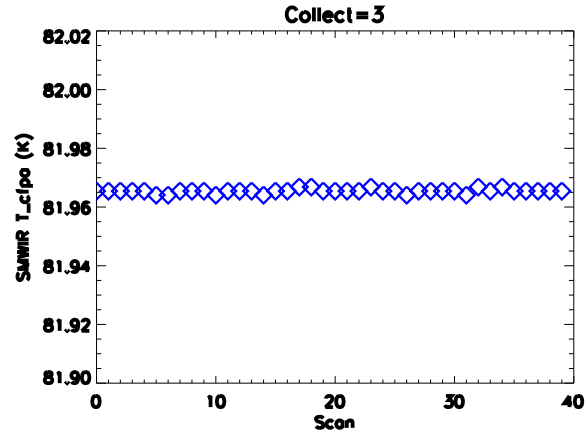

SMWIR T_cfpa vs Scan and Collect
82.6
82.4
82.2
82.0
81.8
81.6
81.4
SMWIR T_cfpa (K)
0
50
100
150
200
250
300
Collect*scan

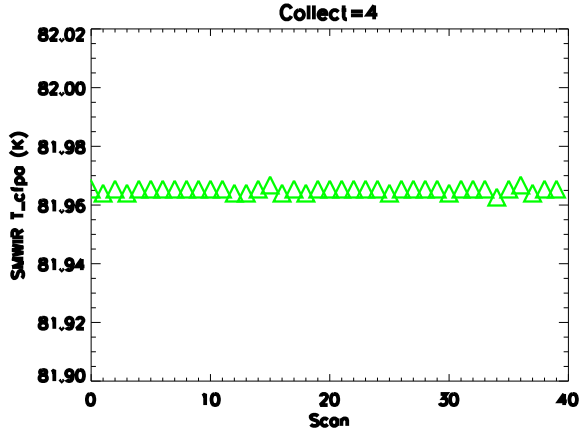

SMWIR T_cfpa vs Time
SMWIR T_cfpa (K)
82.6
82.4
82.2
82.0
81.8
81.6
81.4
−10
0
10
20
30
40
Time (min)

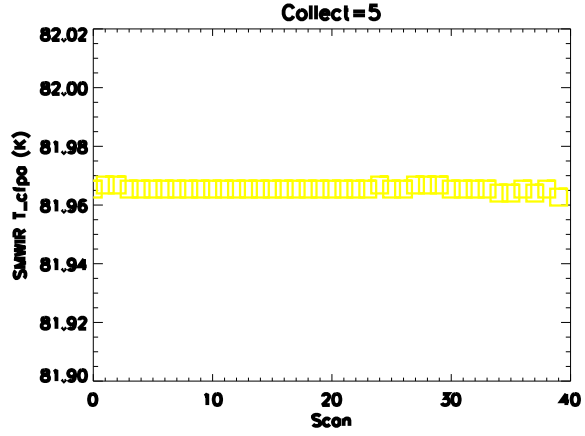
SMWIR T_cfpa vs Scan

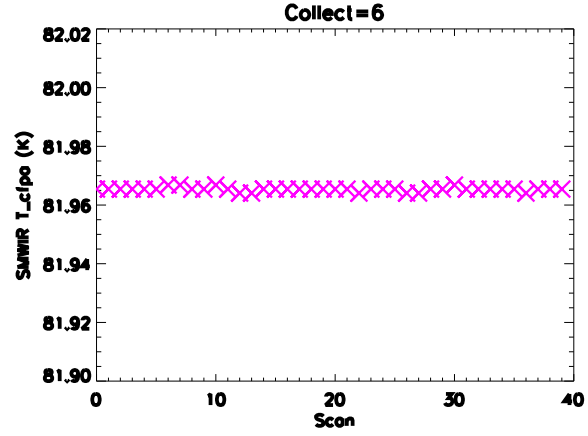


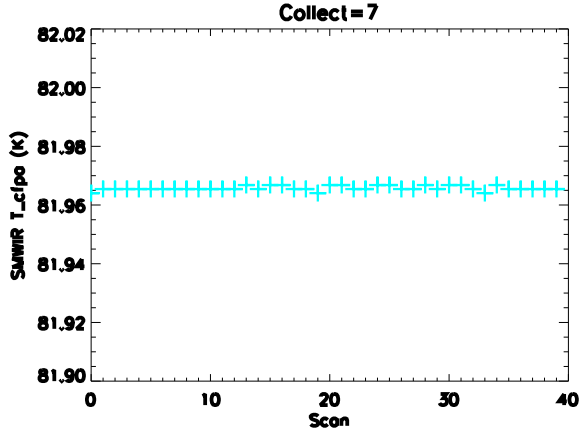


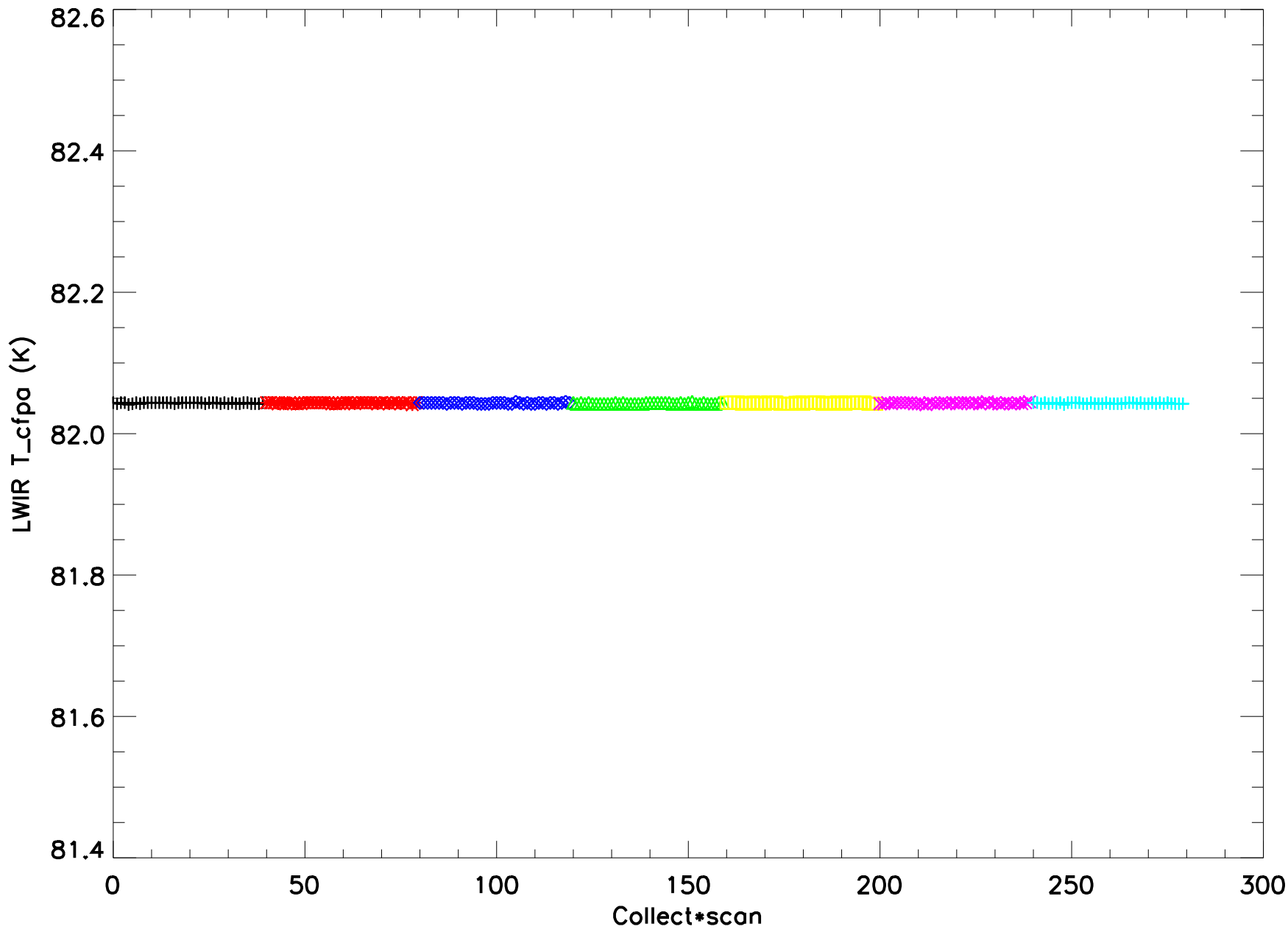


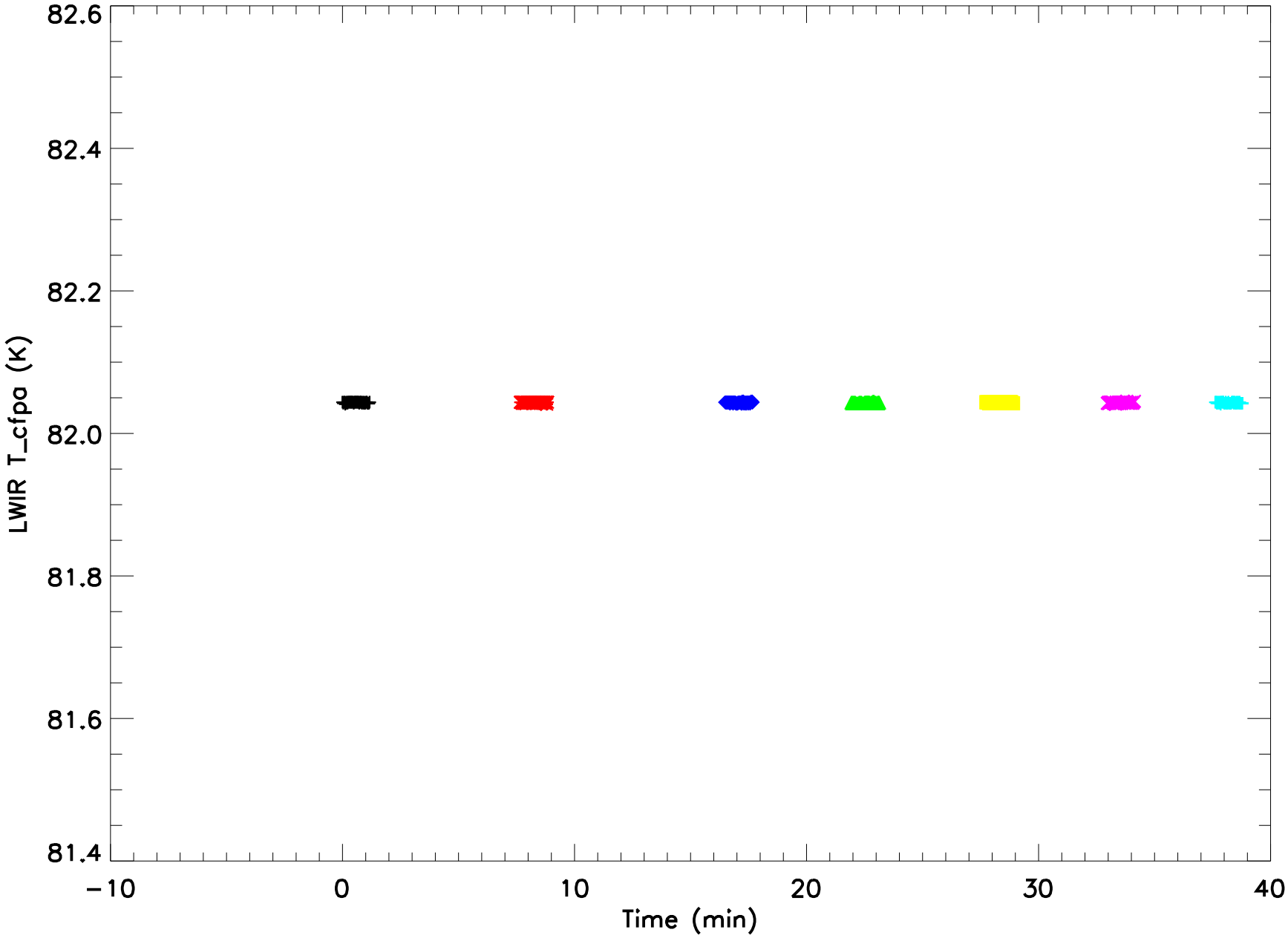




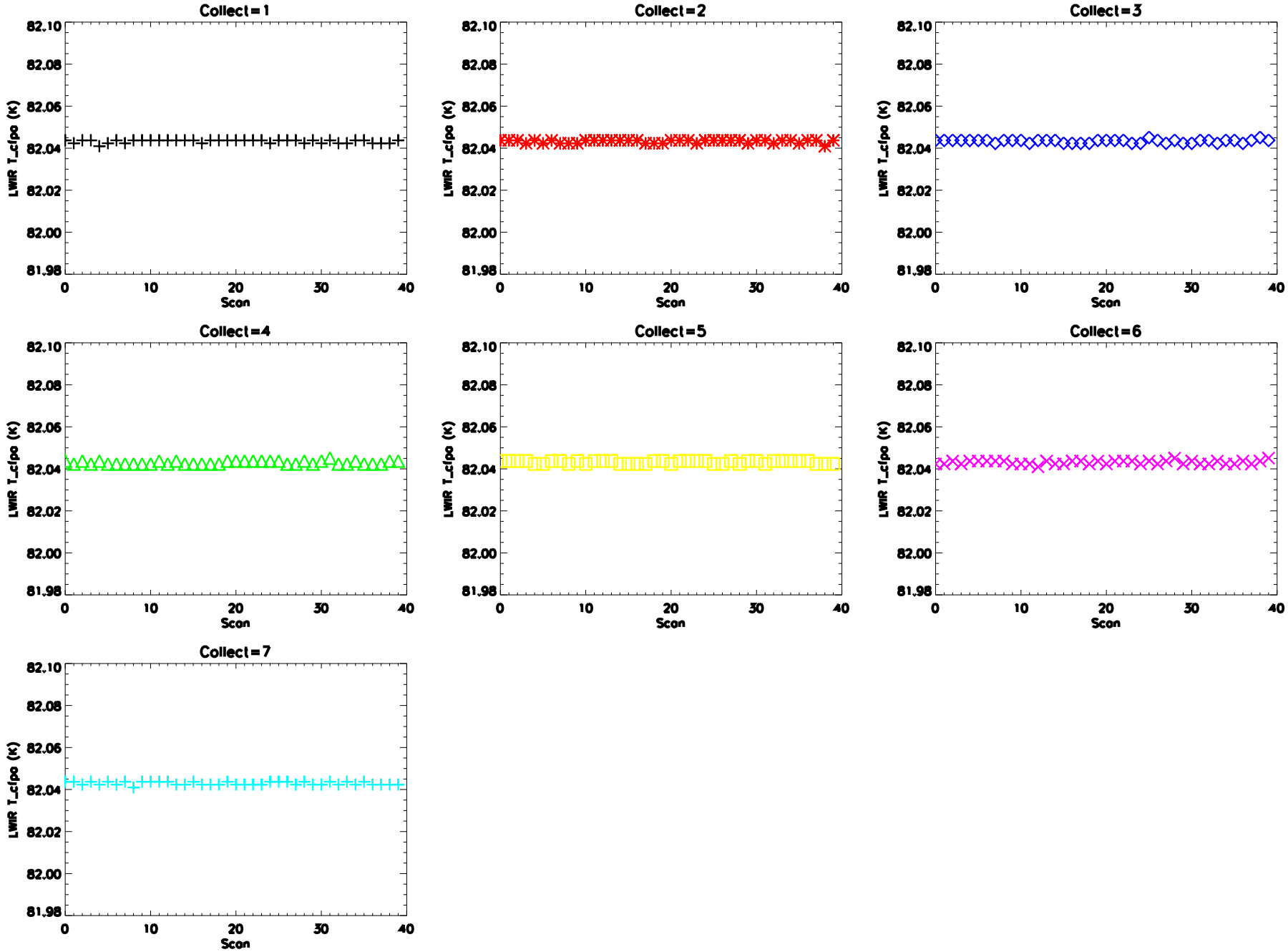


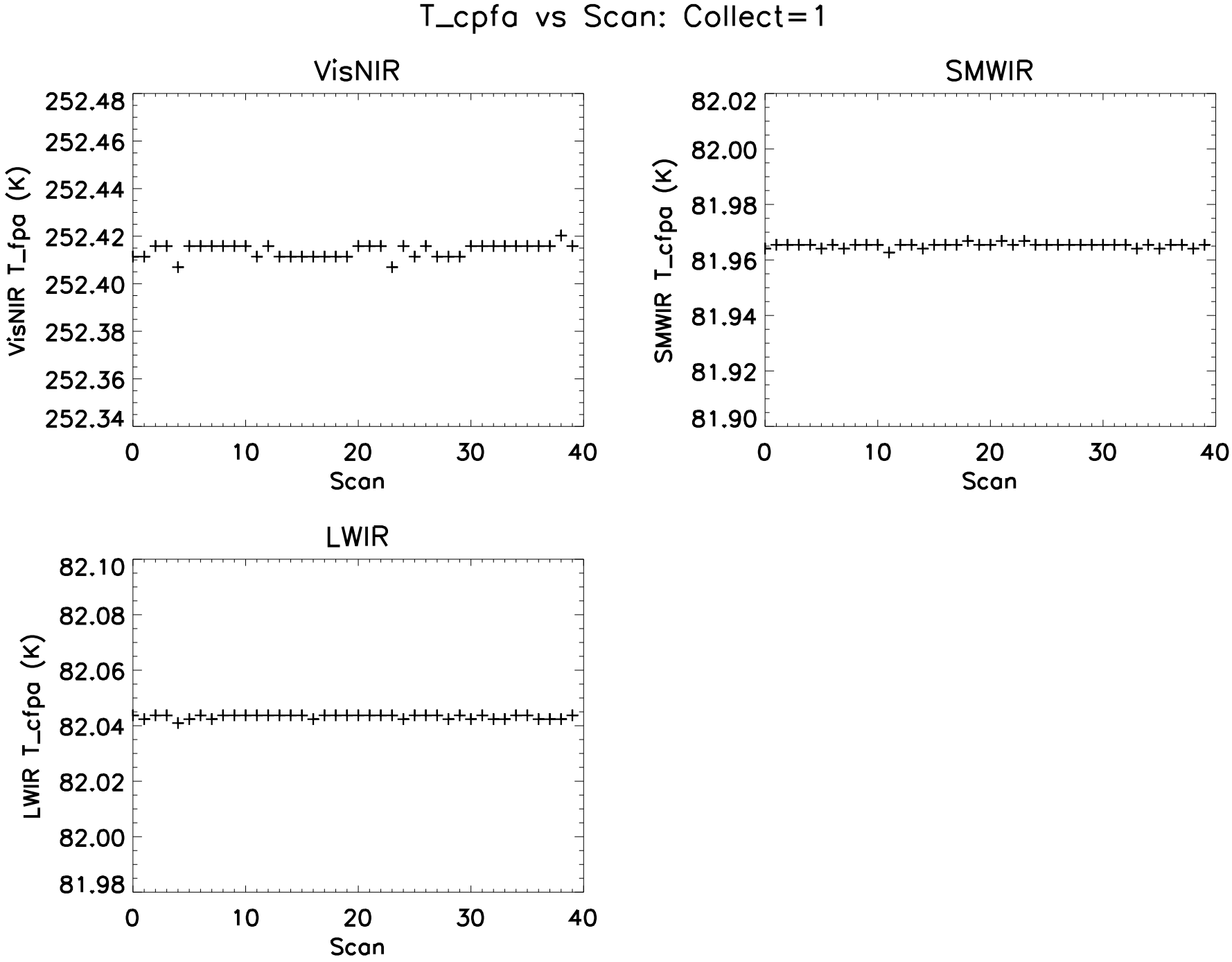


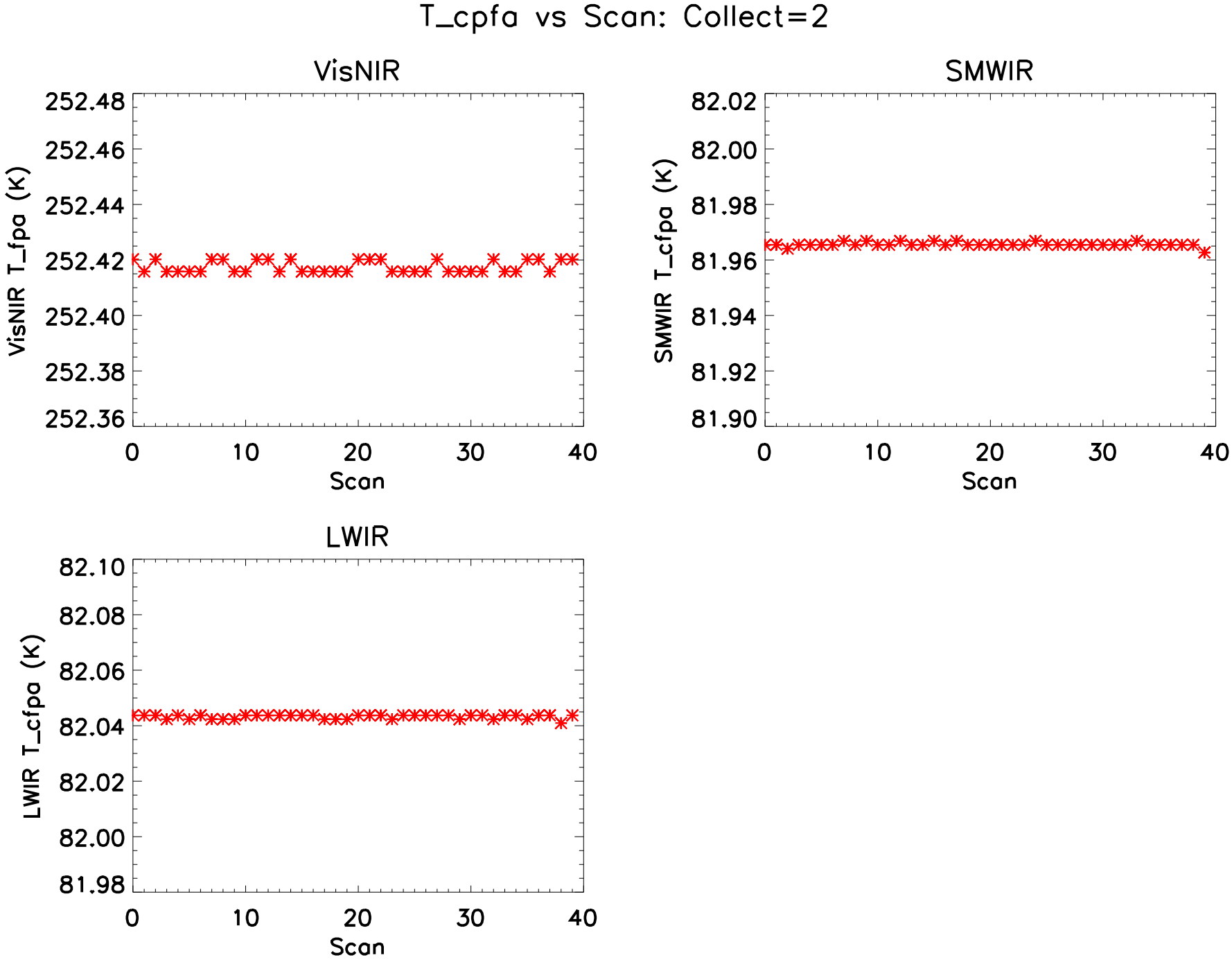

LWIR T_cfpa vs Scan and Collect
LWIR T_cfpa (K)
82.6
82.4
82.2
82.0
81.8
81.6
81.4
0
50
100
150
200
250
300
Collect*scan

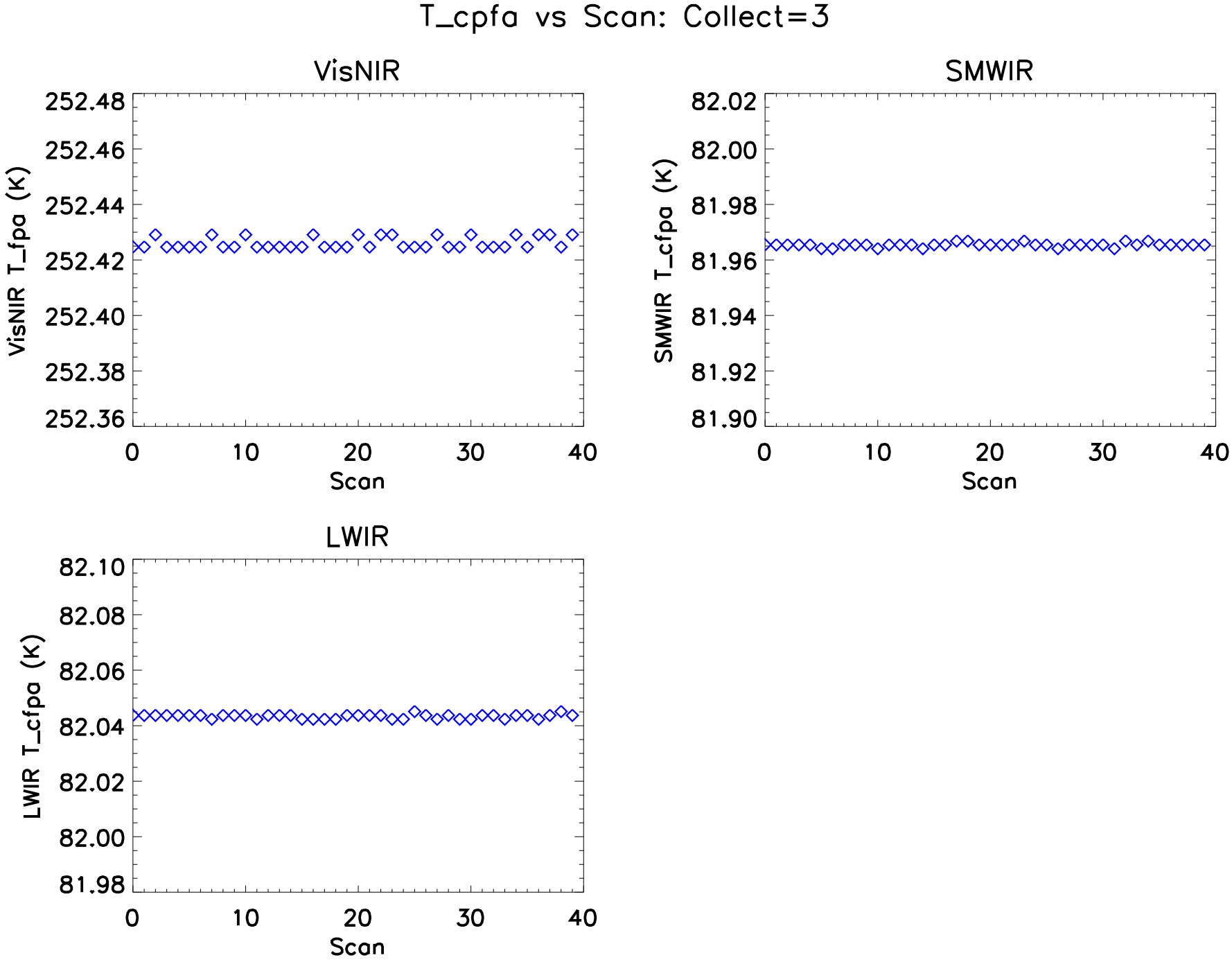

LWIR T_cfpa vs Time
LWIR T_cfpa (K)
82.6
82.4
82.2
82.0
81.8
81.6
81.4
−10
0
10
20
30
40
Time (min)

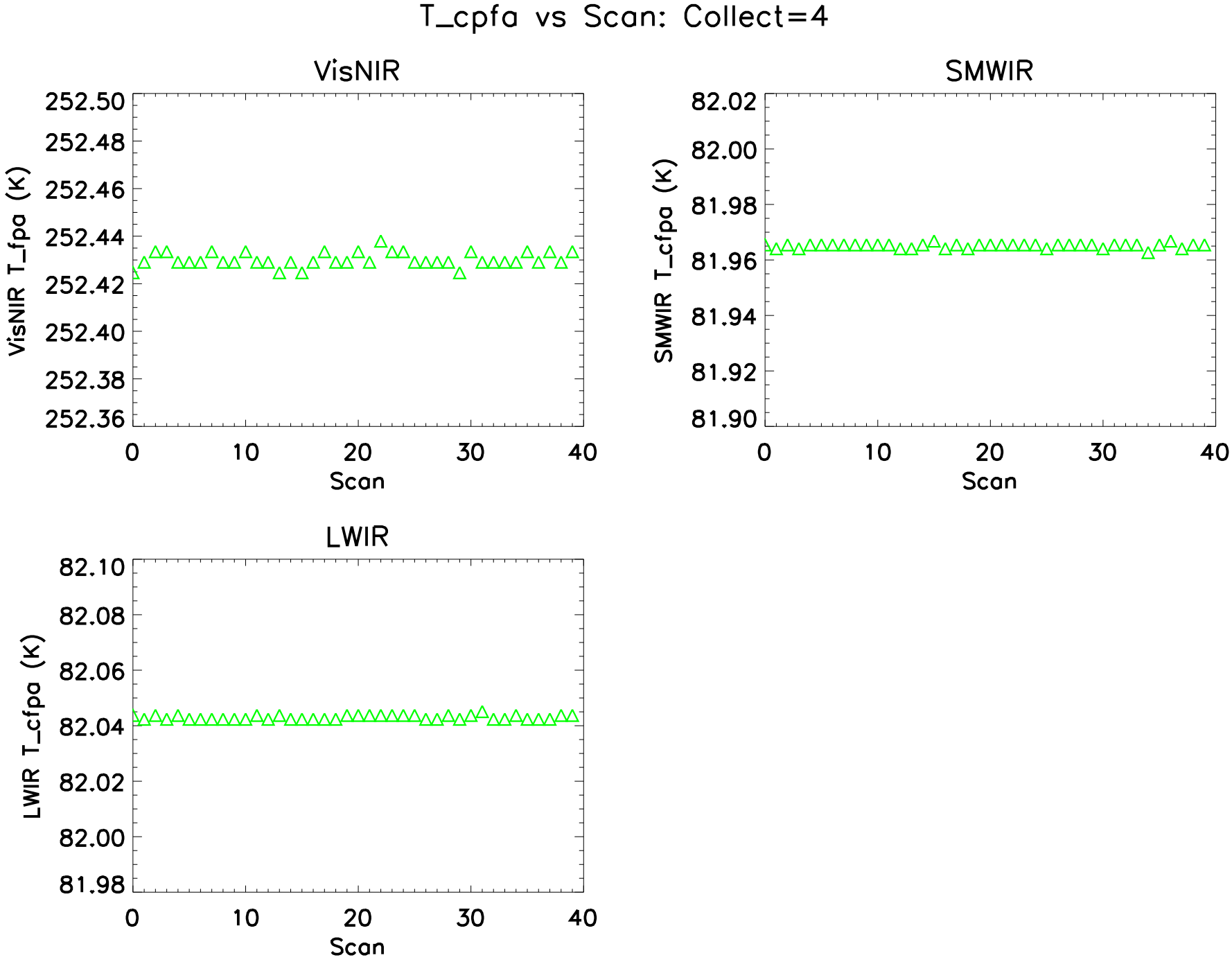
LWIR T_cfpa vs Scan

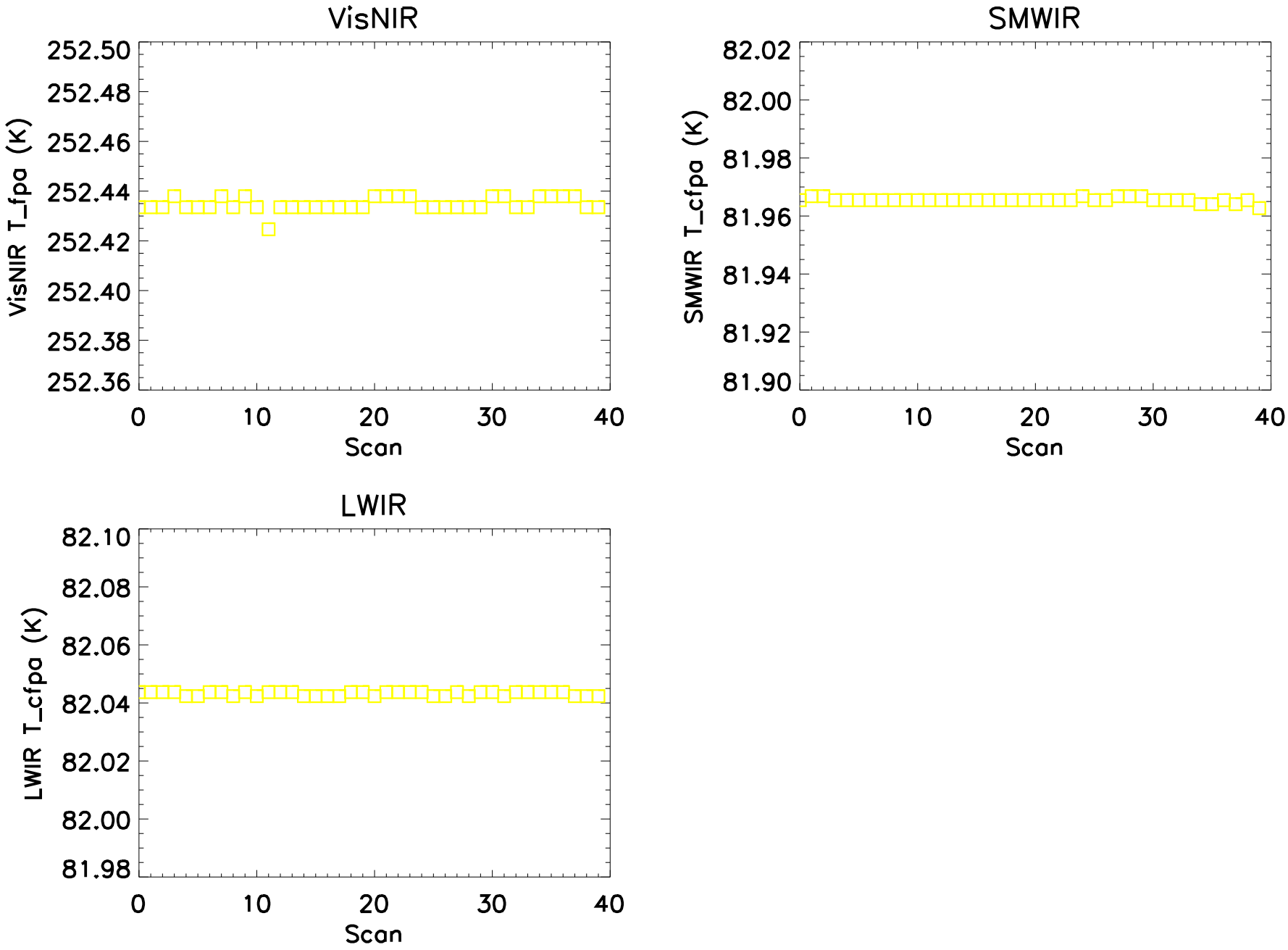


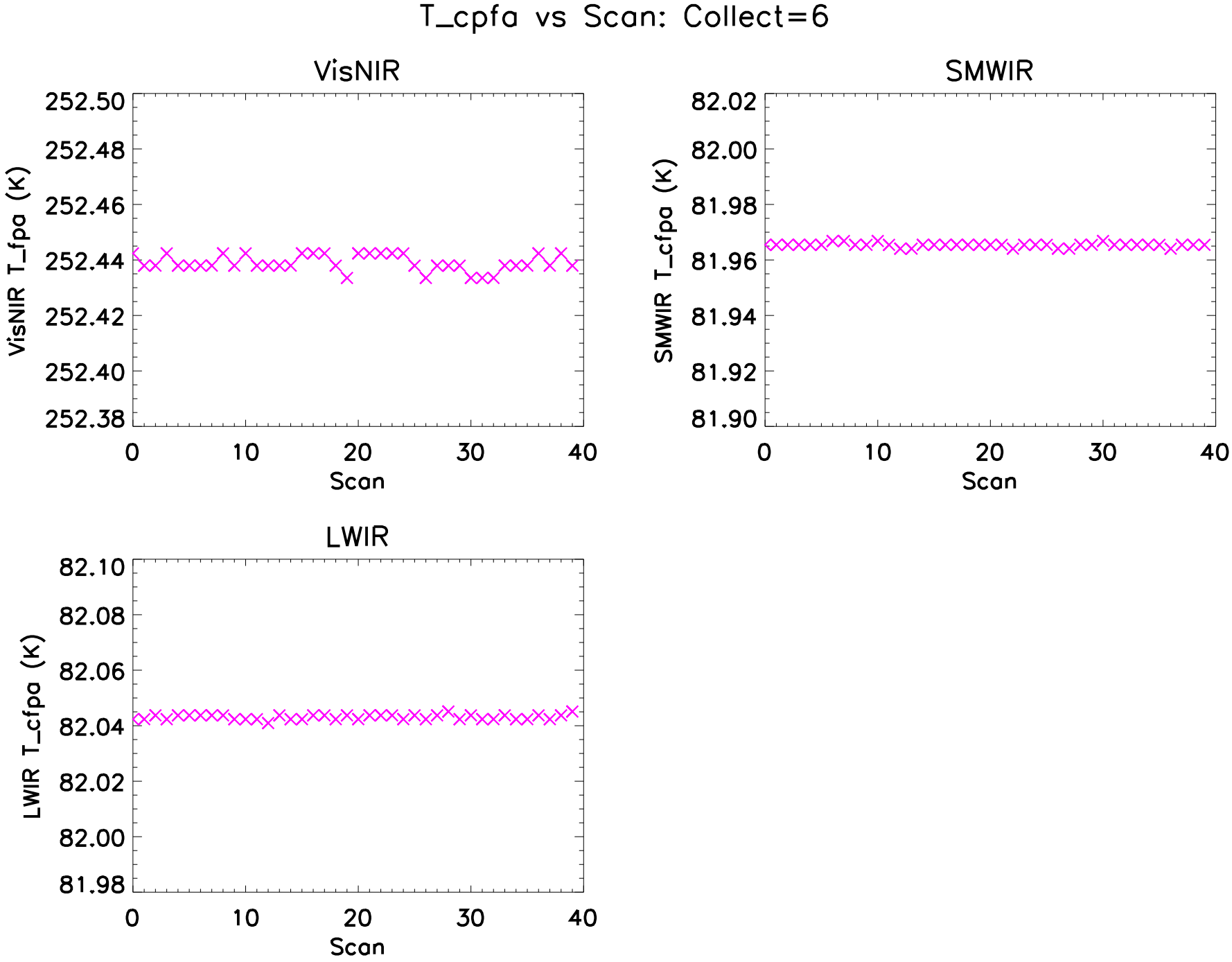

T_cpfa vs Scan: Collect=1
VisNIR
VisNIR T_fpa (K)
252.48
252.46
252.44
252.42
252.40
252.38
252.36
252.34
0
10
20
30
40
Scan
SMWIR
SMWIR T_cfpa (K)
82.02
82.00
81.98
81.96
81.94
81.92
81.90
0
10
20
30
40
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
Scan

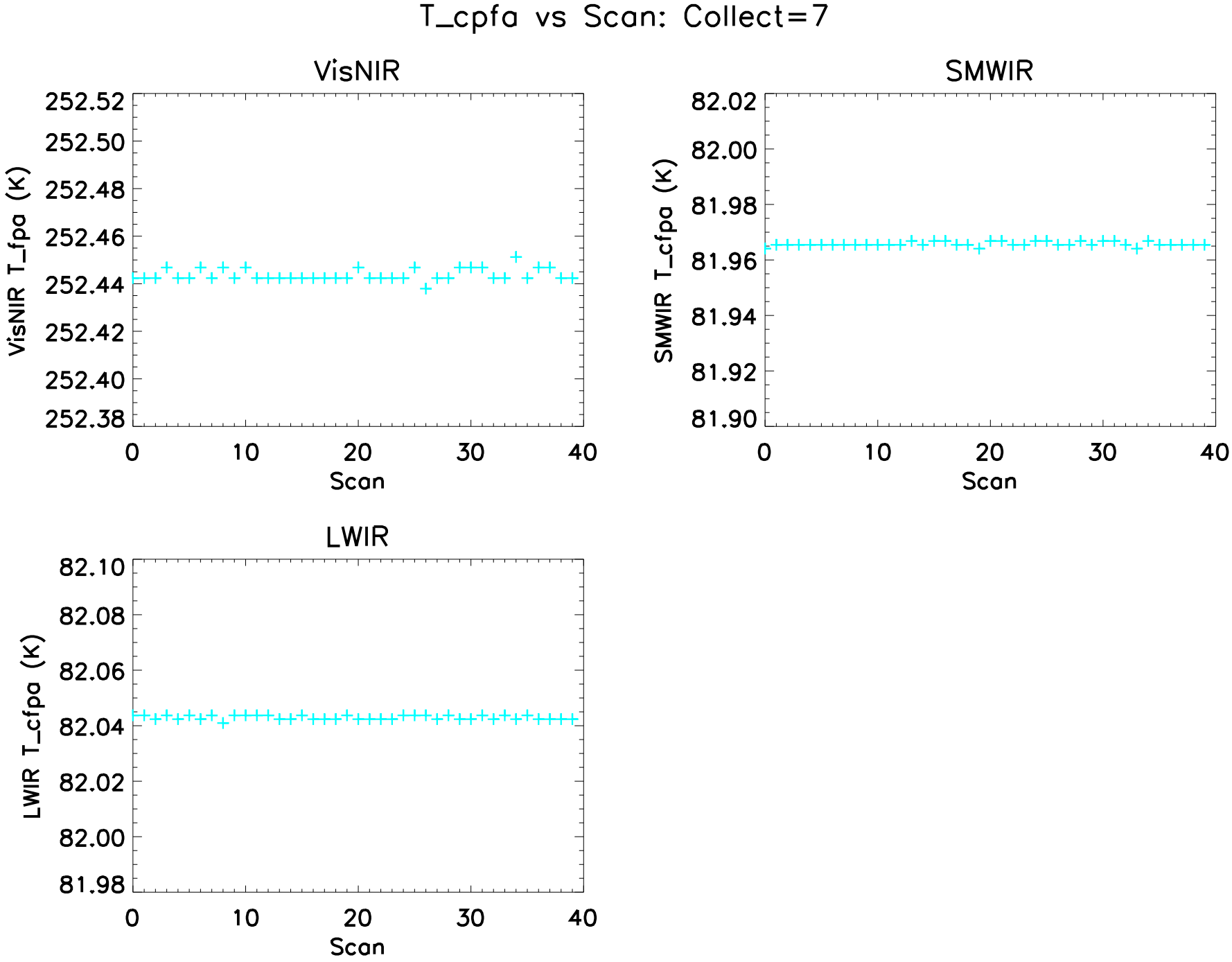

T_cpfa vs Scan: Collect=2
VisNIR
VisNIR T_fpa (K)
252.48
252.46
252.44
252.42
252.40
252.38
252.36
0
10
20
30
40
Scan
SMWIR
SMWIR T_cfpa (K)
82.02
82.00
81.98
81.96
81.94
81.92
81.90
0
10
20
30
40
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
Scan

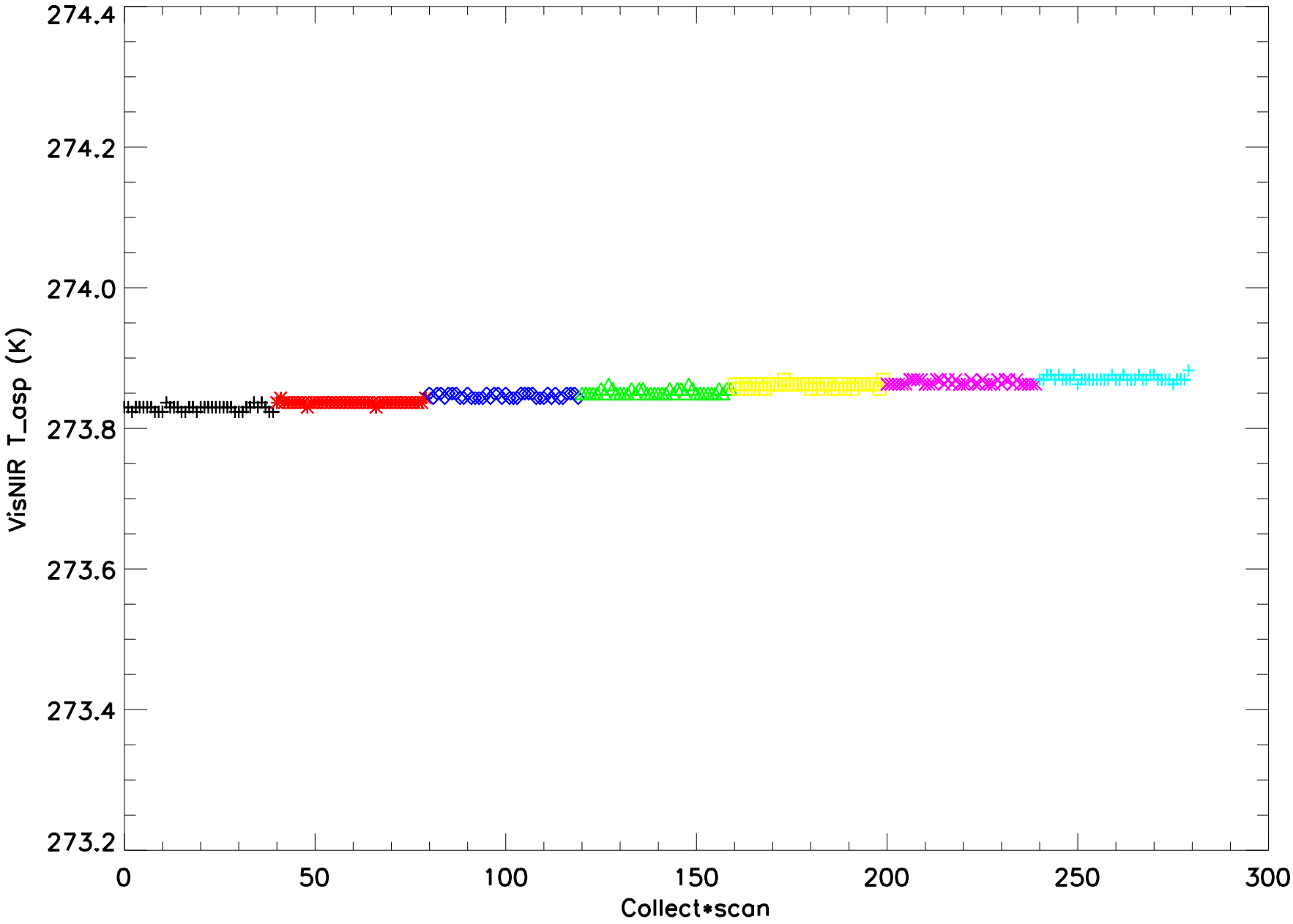

T_cpfa vs Scan: Collect=3
VisNIR
VisNIR T_fpa (K)
252.48
252.46
252.44
252.42
252.40
252.38
252.36
0
10
20
30
40
Scan
SMWIR
SMWIR T_cfpa (K)
82.02
82.00
81.98
81.96
81.94
81.92
81.90
0
10
20
30
40
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
Scan

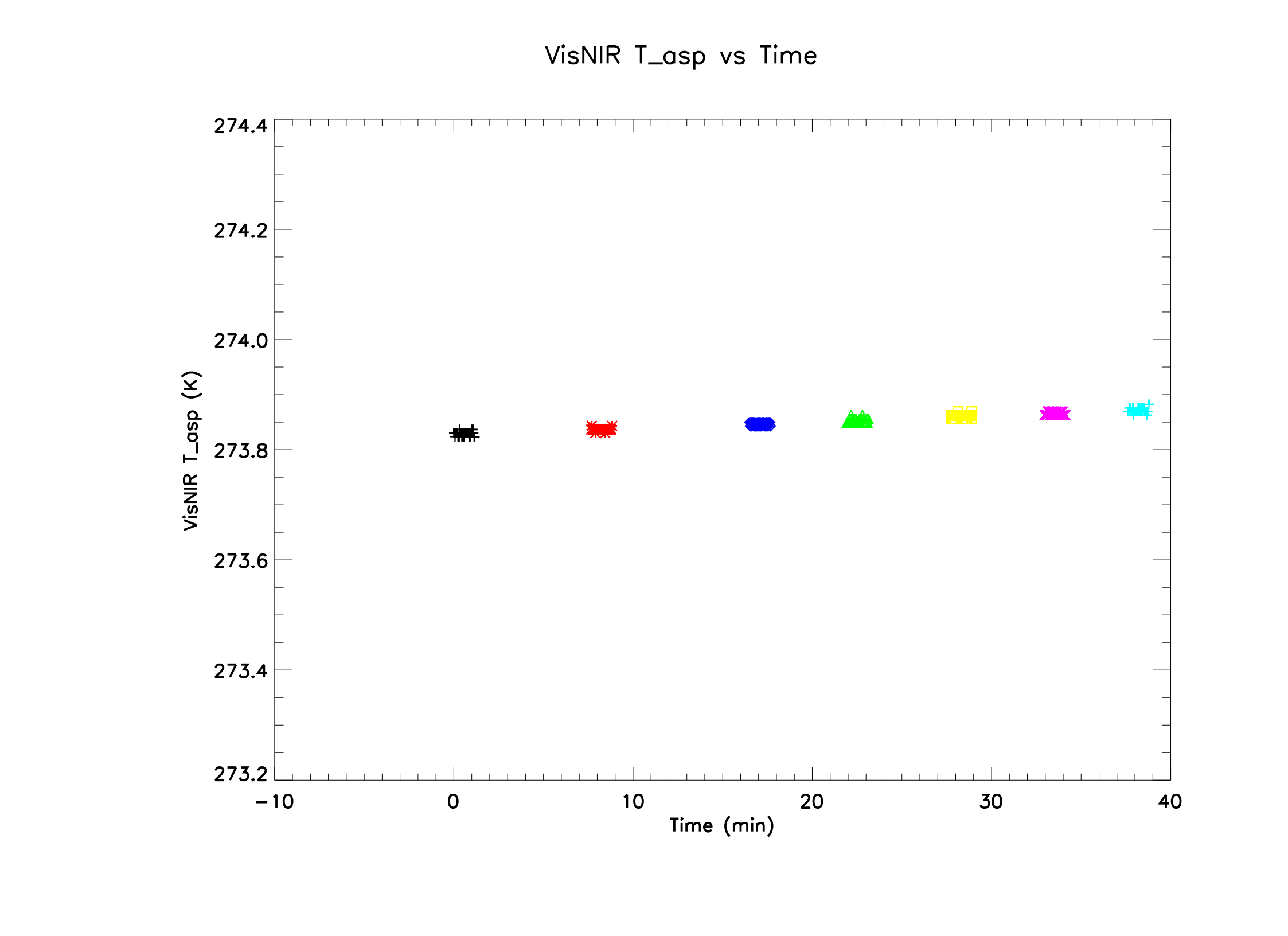

T_cpfa vs Scan: Collect=4
VisNIR
VisNIR T_fpa (K)
252.50
252.48
252.46
252.44
252.42
252.40
252.38
252.36
0
10
20
30
40
Scan
SMWIR
SMWIR T_cfpa (K)
82.02
82.00
81.98
81.96
81.94
81.92
81.90
0
10
20
30
40
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
Scan


T_cpfa vs Scan: Collect=5
VisNIR
VisNIR T_fpa (K)
252.50
252.48
252.46
252.44
252.42
252.40
252.38
252.36
0
10
20
30
40
Scan
SMWIR
SMWIR T_cfpa (K)
82.02
82.00
81.98
81.96
81.94
81.92
81.90
0
10
20
30
40
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
Scan

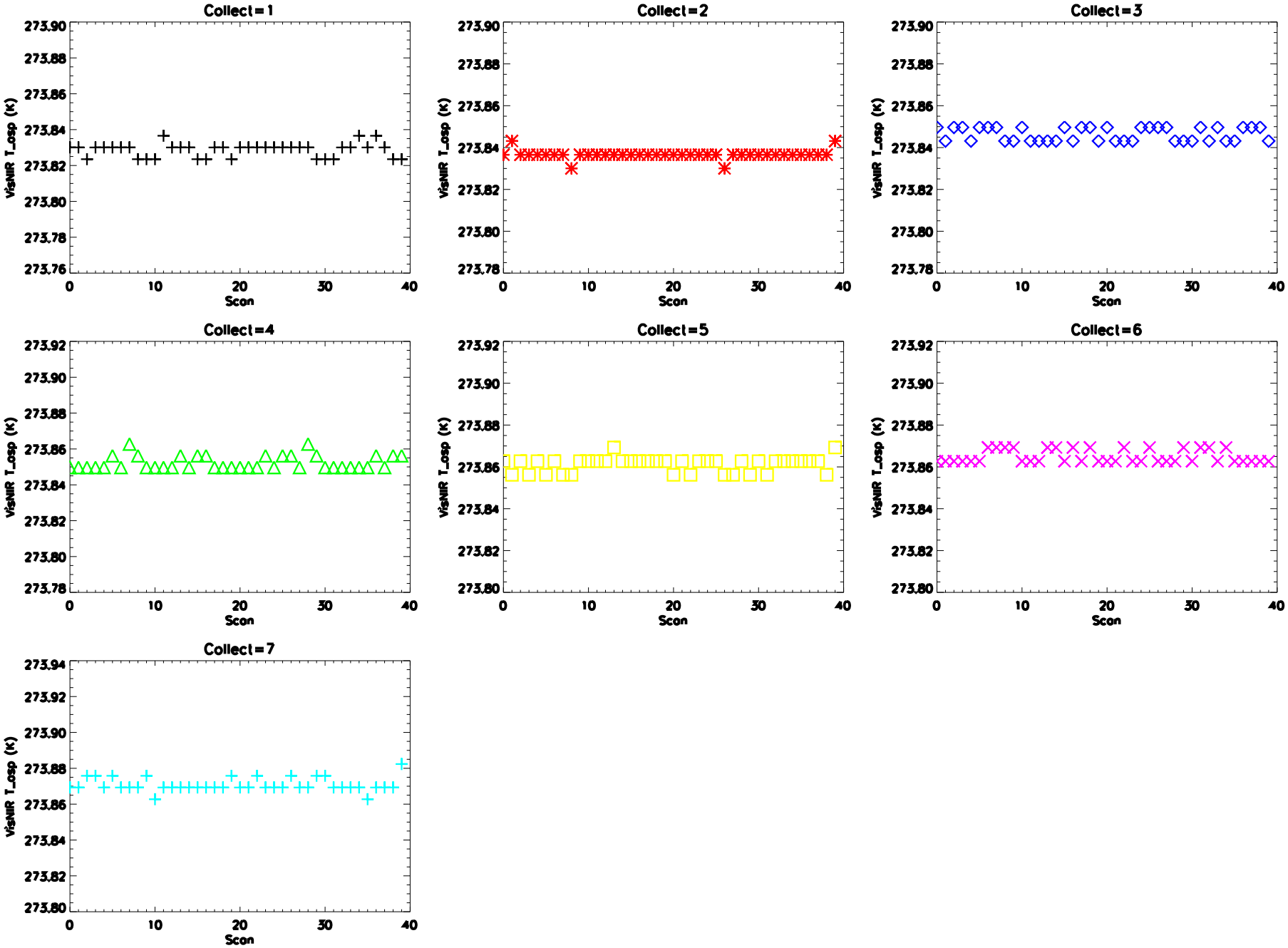

T_cpfa vs Scan: Collect=6
VisNIR
VisNIR T_fpa (K)
252.50
252.48
252.46
252.44
252.42
252.40
252.38
0
10
20
30
40
Scan
SMWIR
SMWIR T_cfpa (K)
82.02
82.00
81.98
81.96
81.94
81.92
81.90
0
10
20
30
40
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
Scan

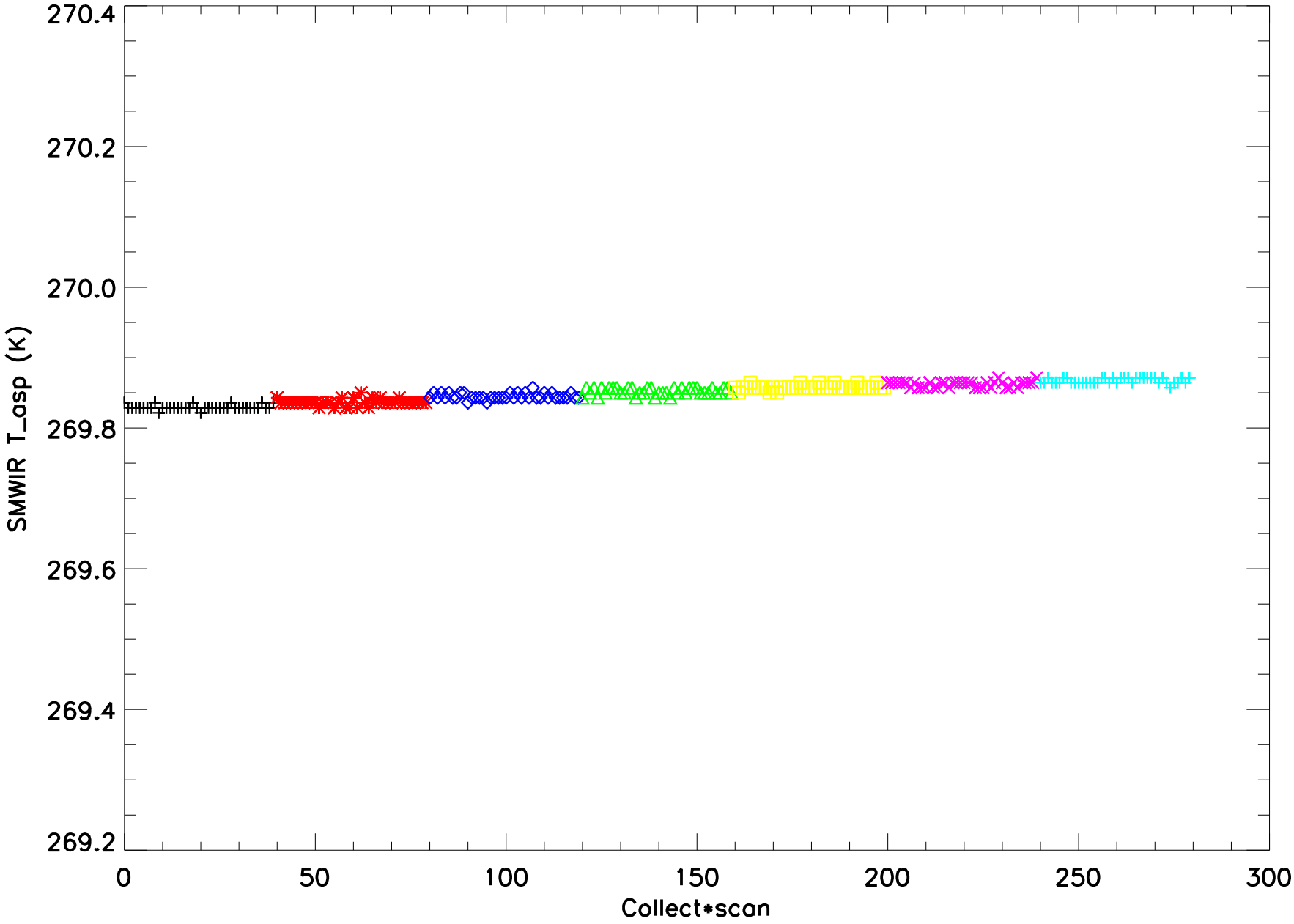

T_cpfa vs Scan: Collect=7
VisNIR
VisNIR T_fpa (K)
252.52
252.50
252.48
252.46
252.44
252.42
252.40
252.38
0
10
20
30
40
Scan
SMWIR
SMWIR T_cfpa (K)
82.02
82.00
81.98
81.96
81.94
81.92
81.90
0
10
20
30
40
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
Scan

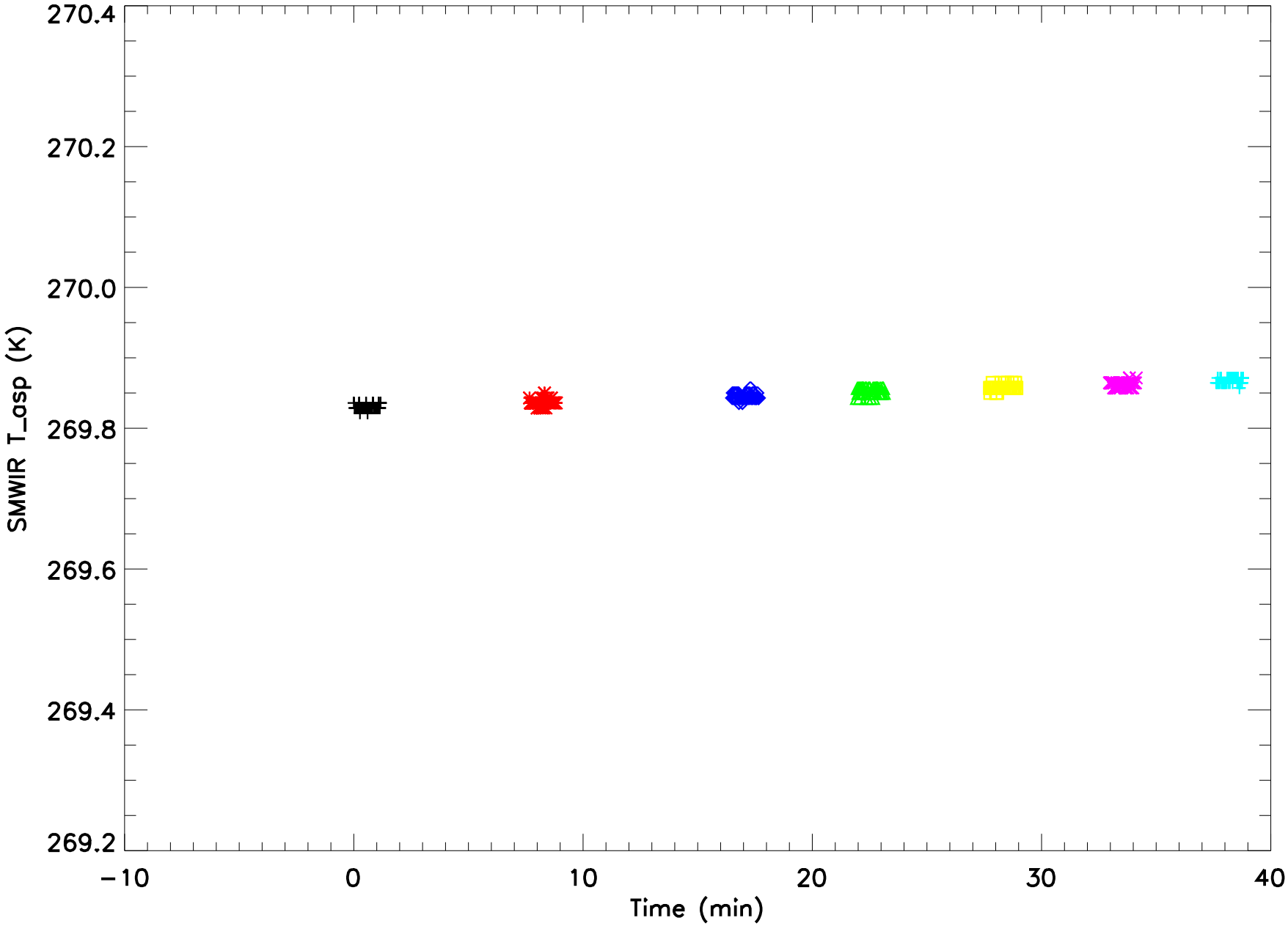

VisNIR T_asp vs Scan and Collect
VisNIR T_asp (K)
274.4
274.2
274.0
273.8
273.6
273.4
273.2
0
50
100
150
200
250
300
Collect*scan


VisNIR T_asp vs Time
VisNIR T_asp (K)
274.4
274.2
274.0
273.8
273.6
273.4
273.2
−10
0
10
20
30
40
Time (min)

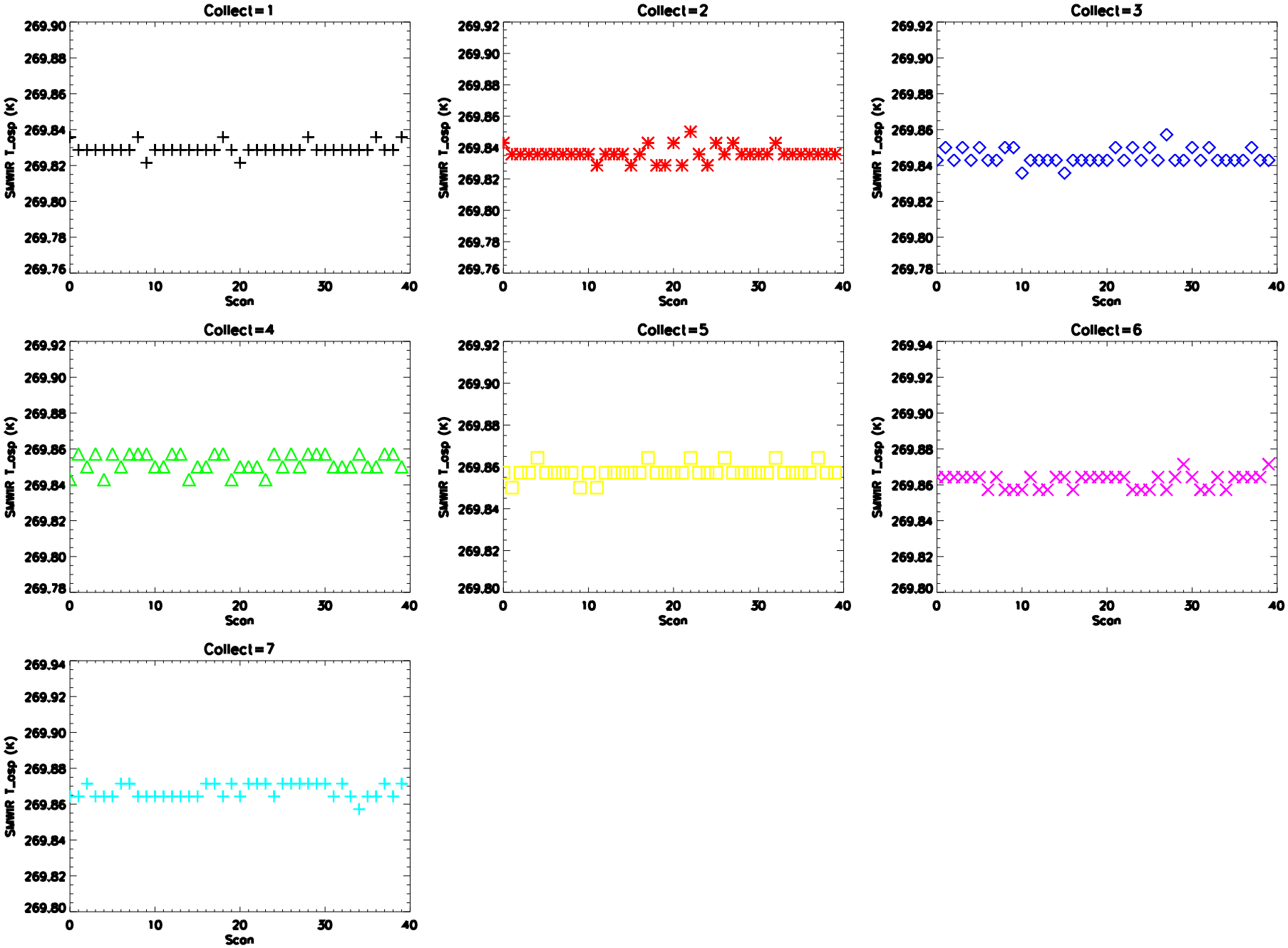
VisNIR T_asp vs Scan

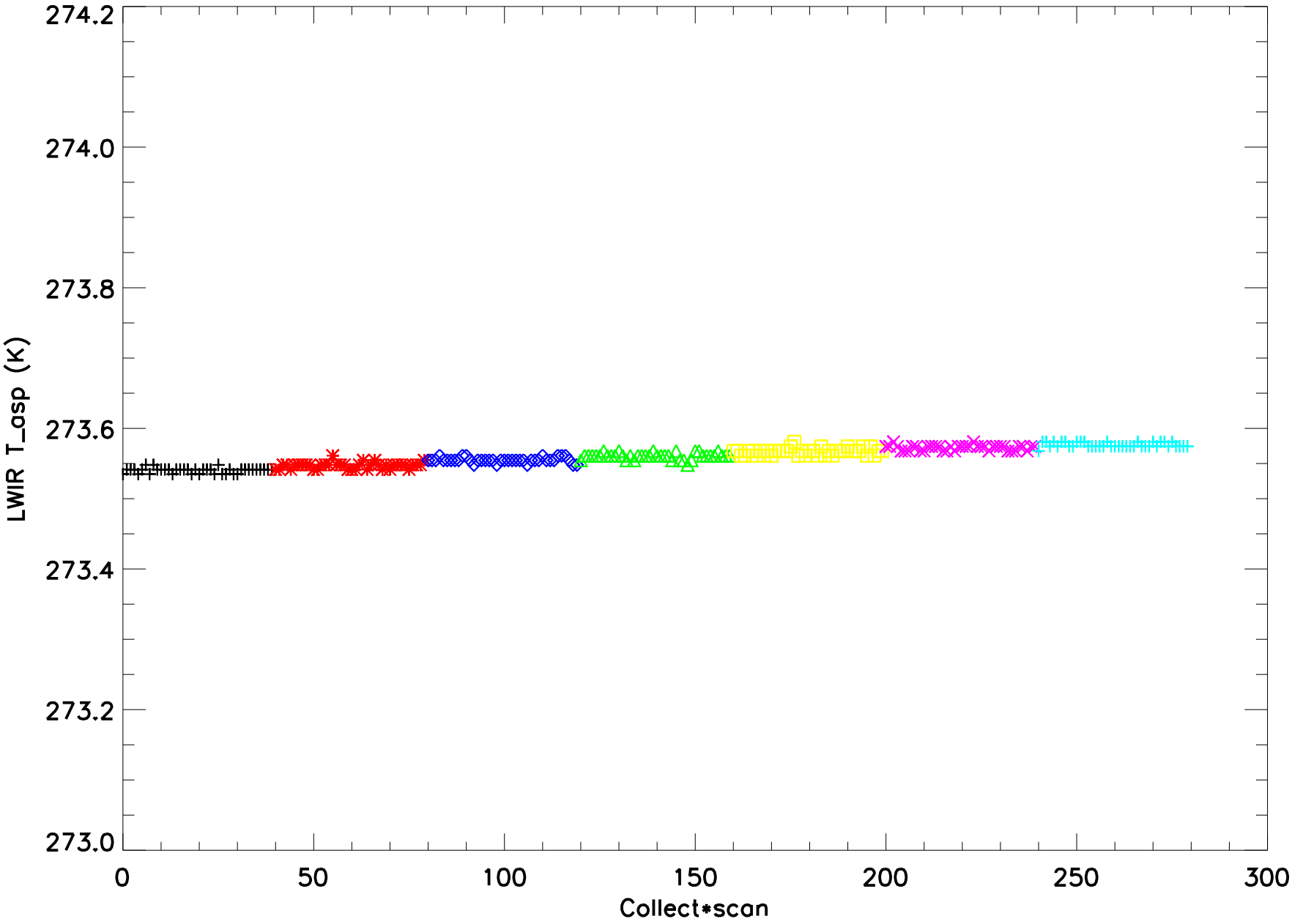


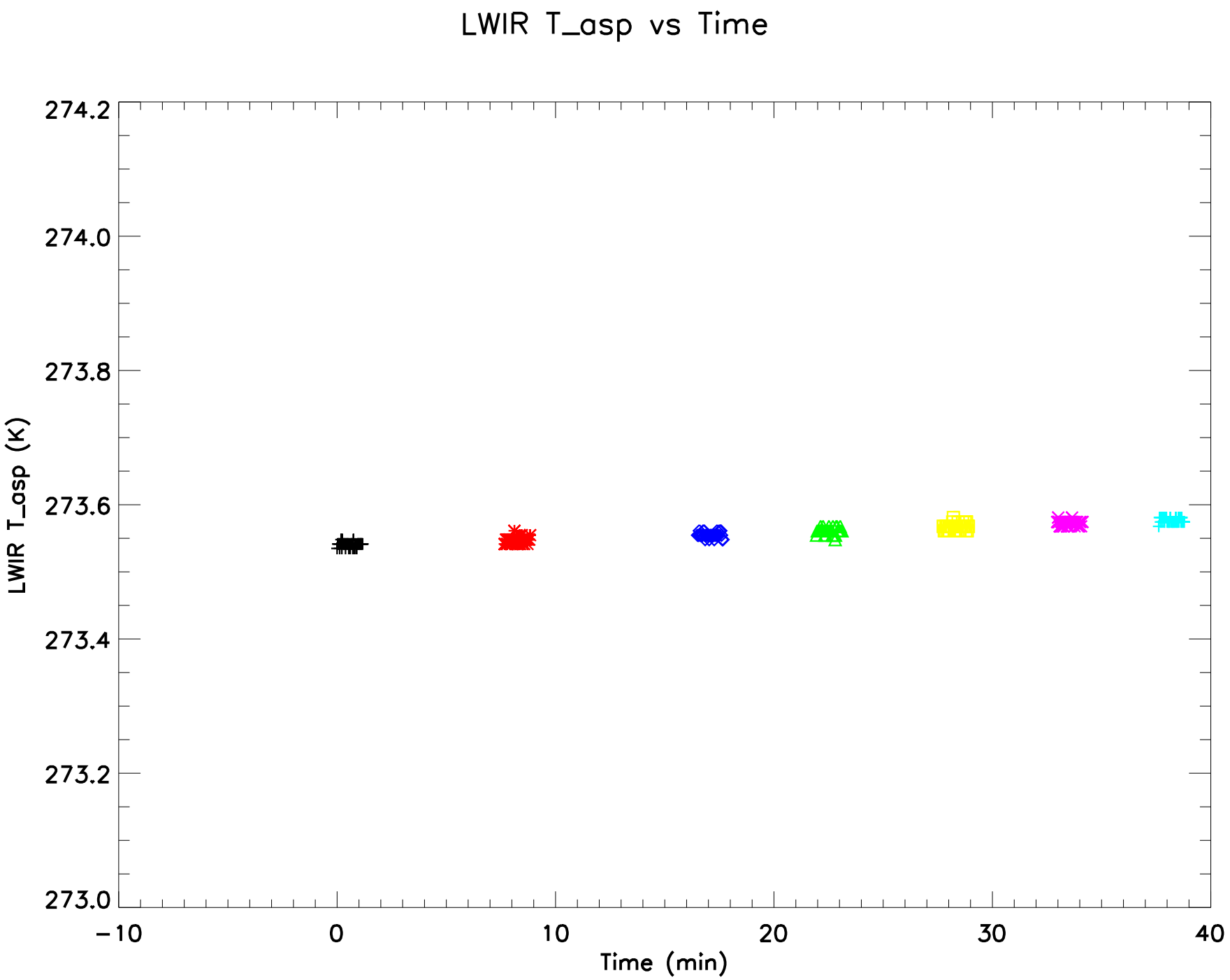

SMWIR T_asp vs Scan and Collect
SMWIR T_asp (K)
270.4
270.2
270.0
269.8
269.6
269.4
269.2
0
50
100
150
200
250
300
Collect*scan


SMWIR T_asp vs Time
SMWIR T_asp (K)
270.4
270.2
270.0
269.8
269.6
269.4
269.2
−10
0
10
20
30
40
Time (min)

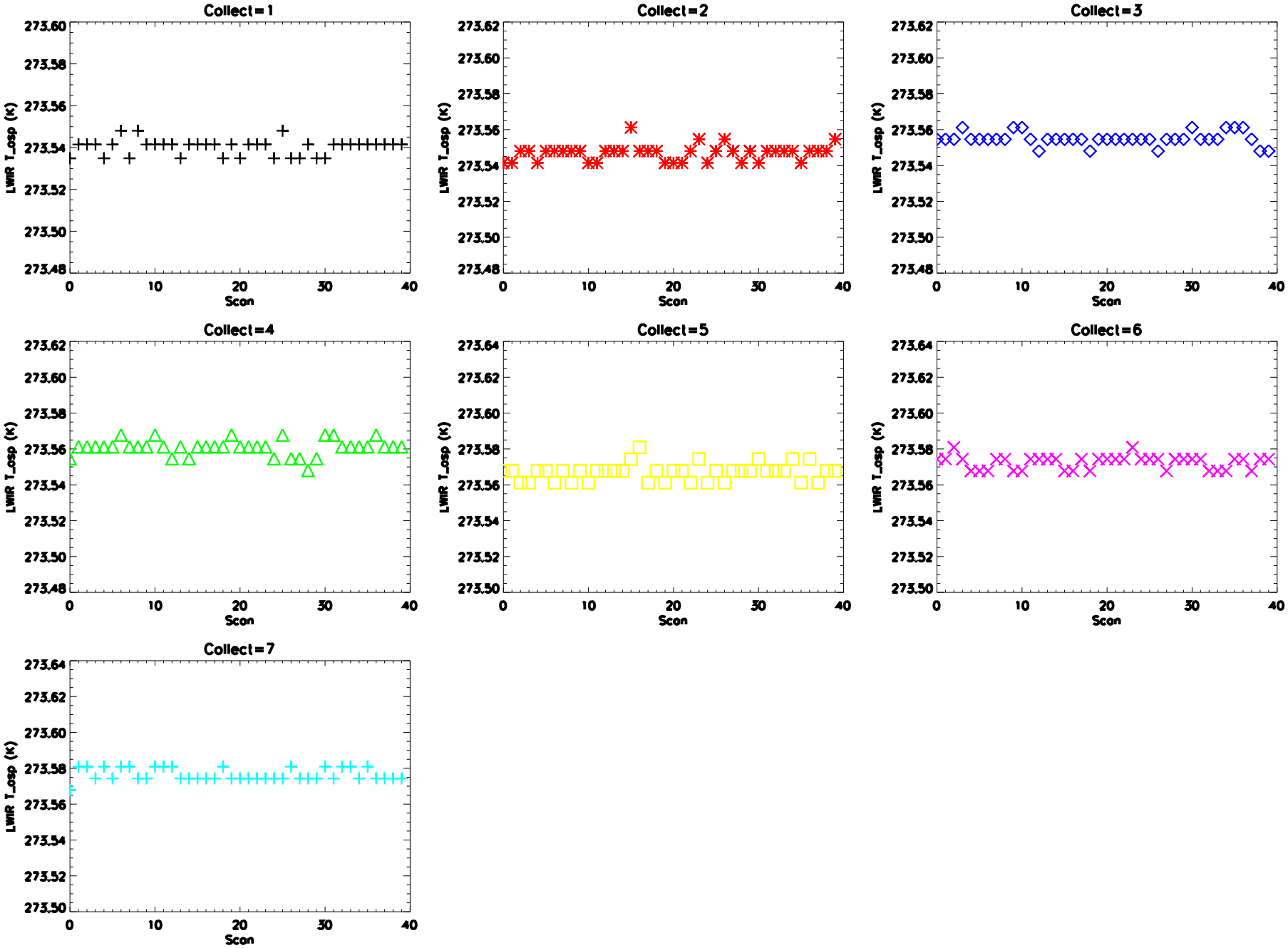
SMWIR T_asp vs Scan

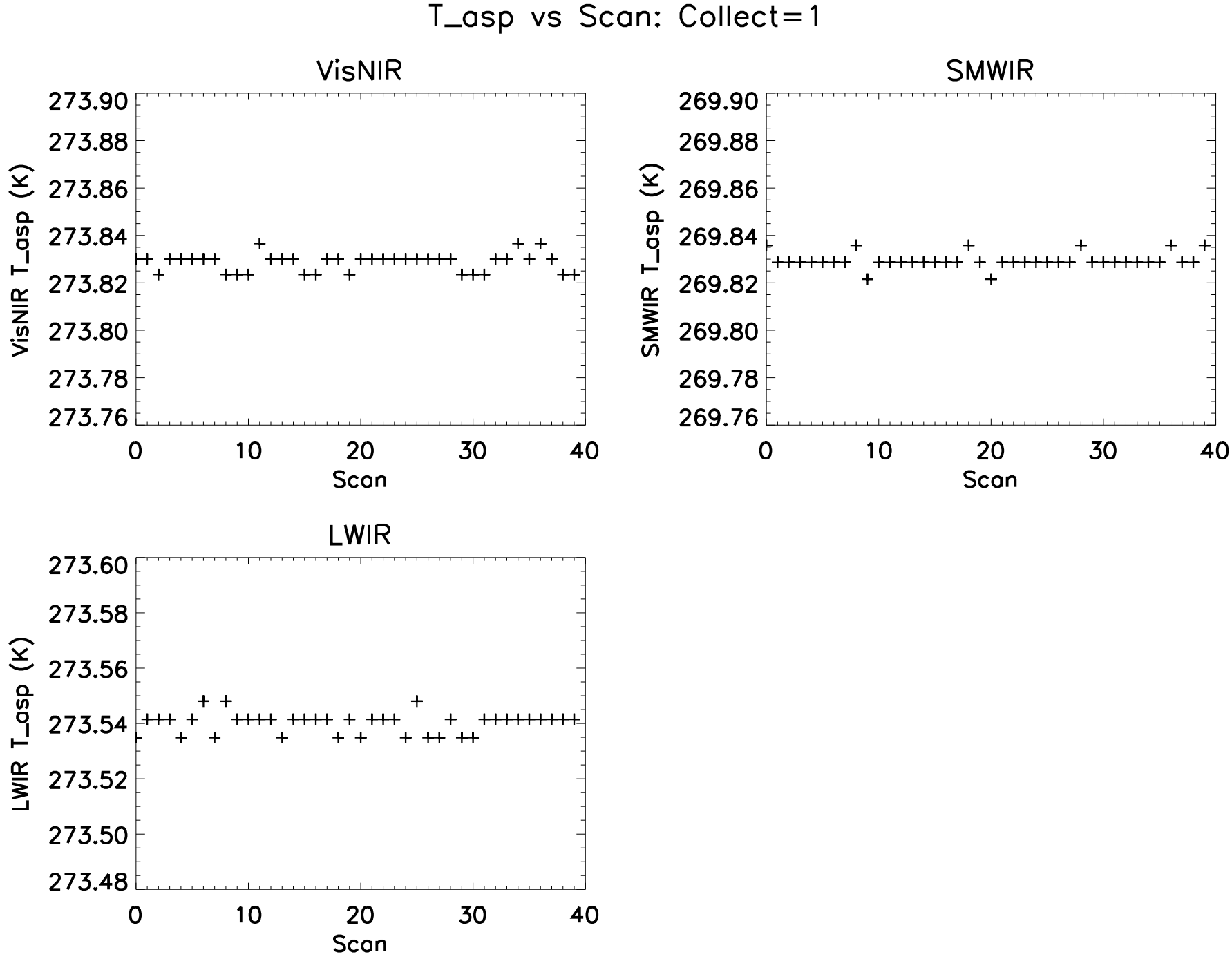


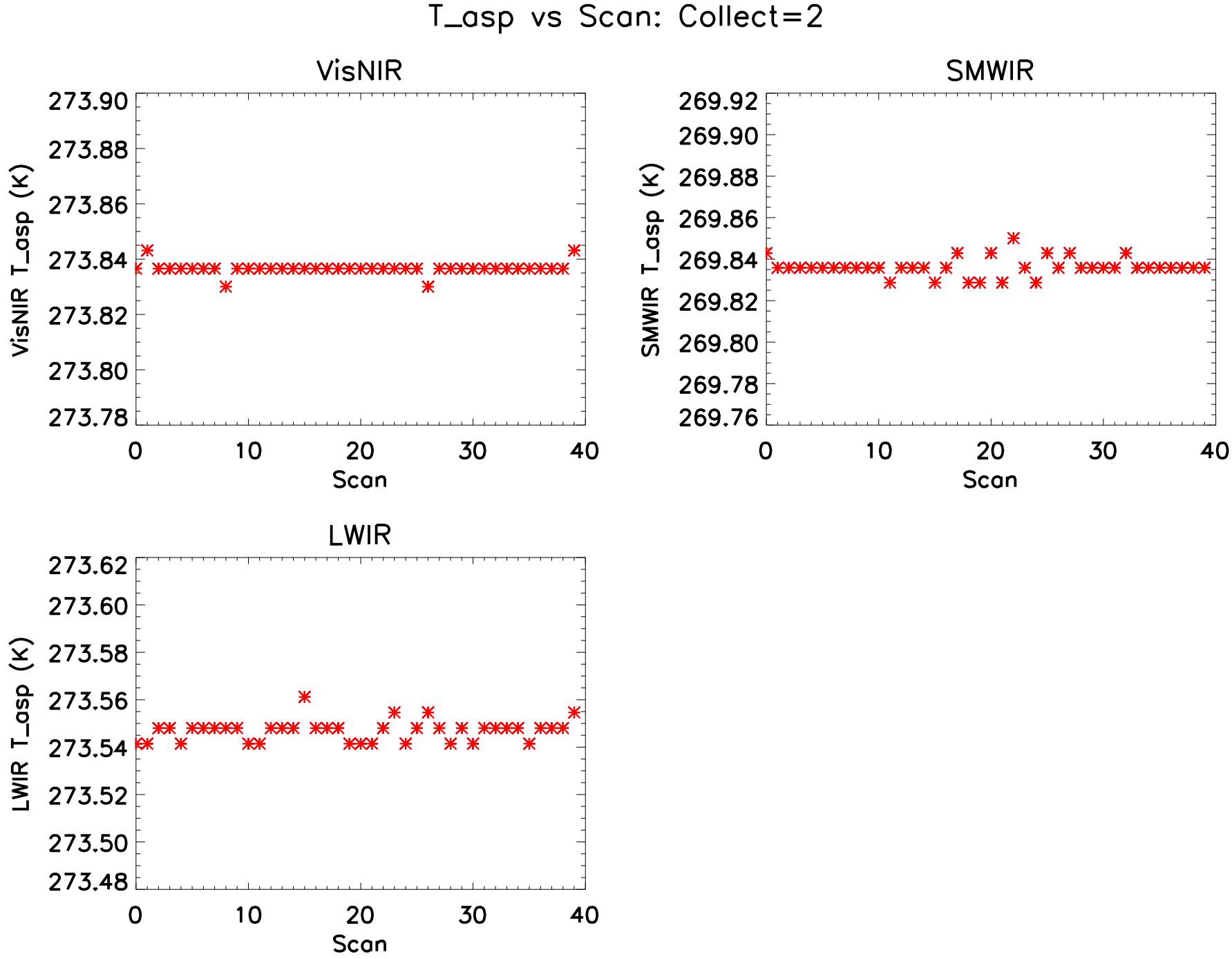

LWIR T_asp vs Scan and Collect
LWIR T_asp (K)
274.2
274.0
273.8
273.6
273.4
273.2
273.0
0
50
100
150
200
250
300
Collect*scan

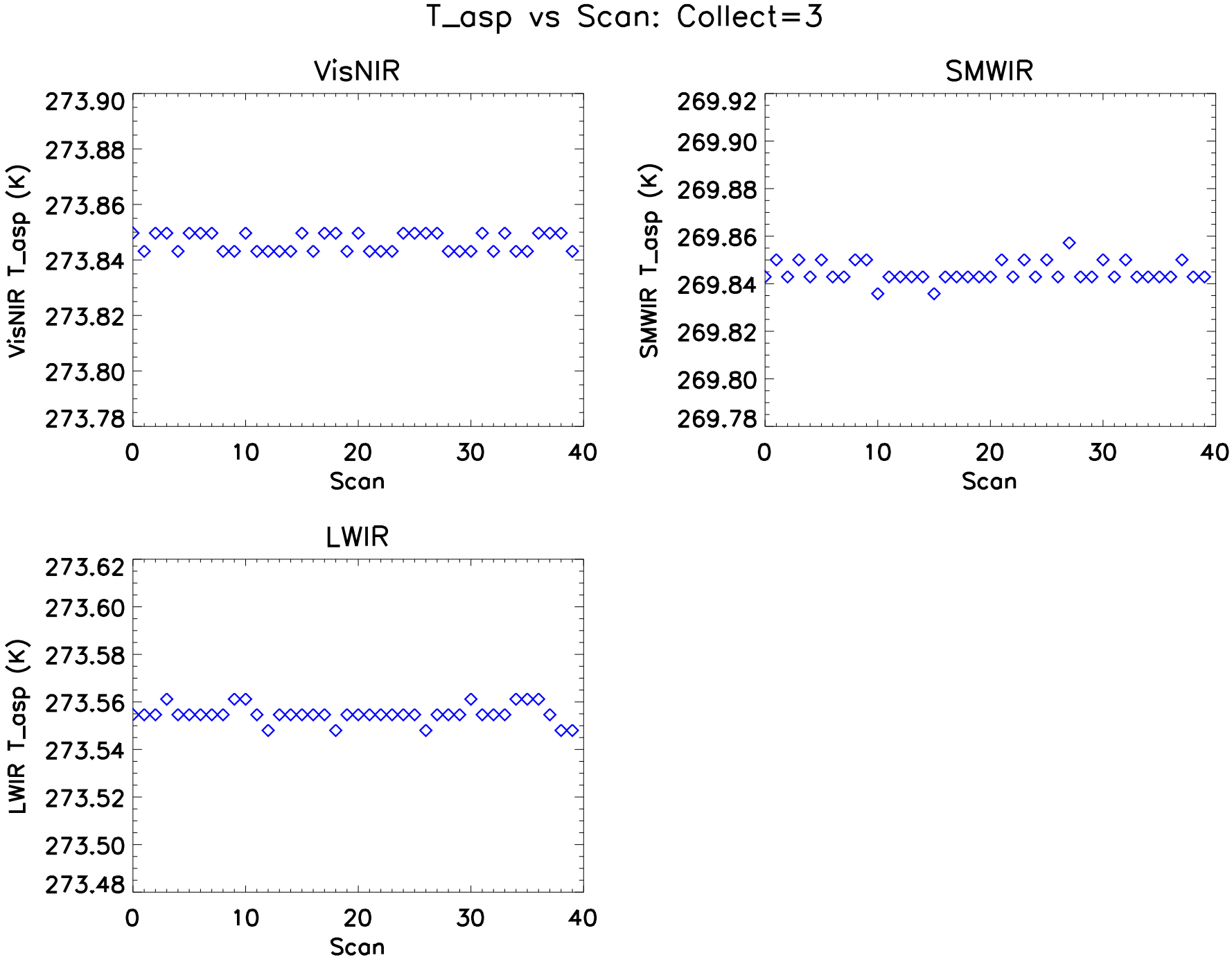

LWIR T_asp vs Time
LWIR T_asp (K)
274.2
274.0
273.8
273.6
273.4
273.2
273.0
−10
0
10
20
30
40
Time (min)

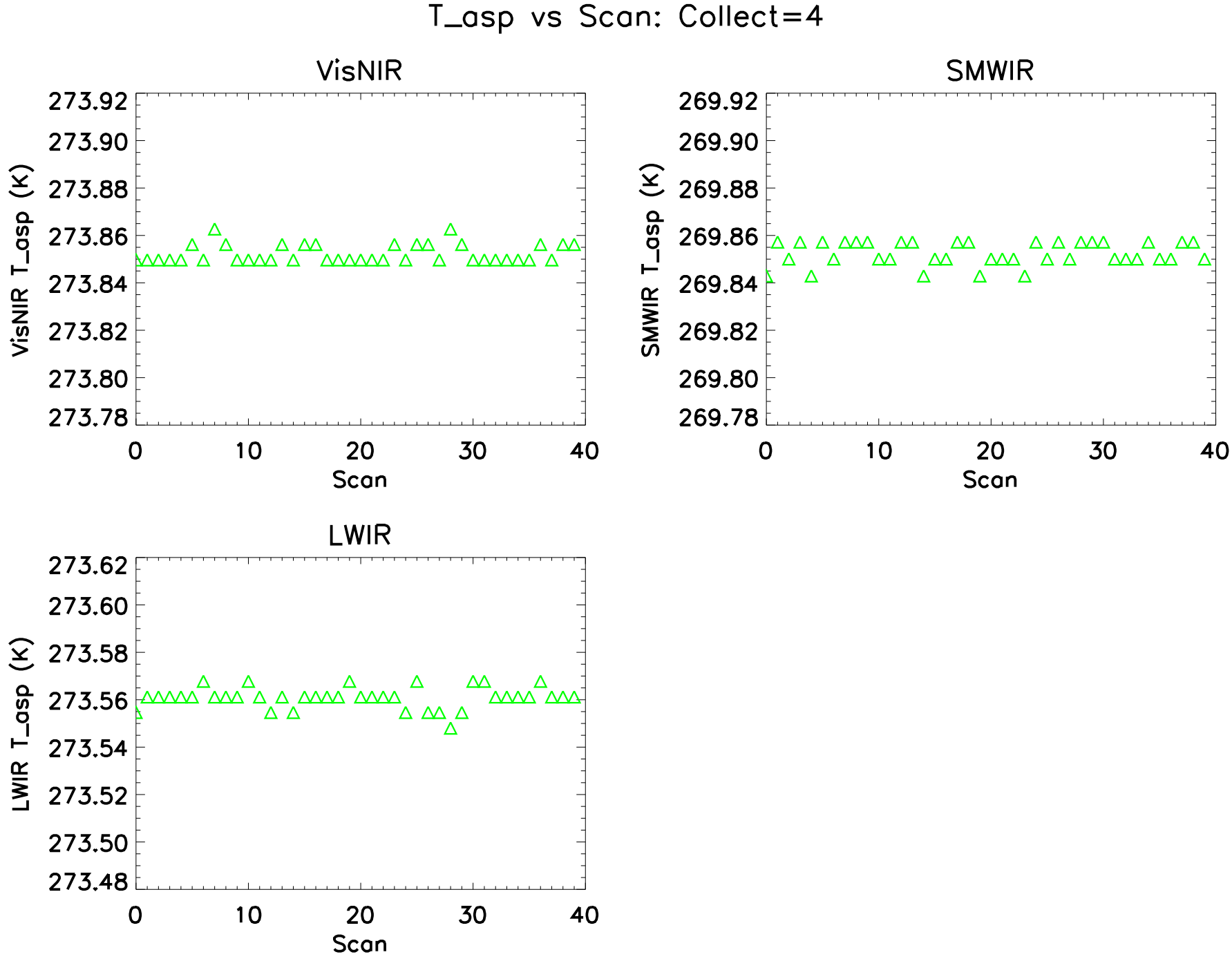
LWIR T_asp vs Scan

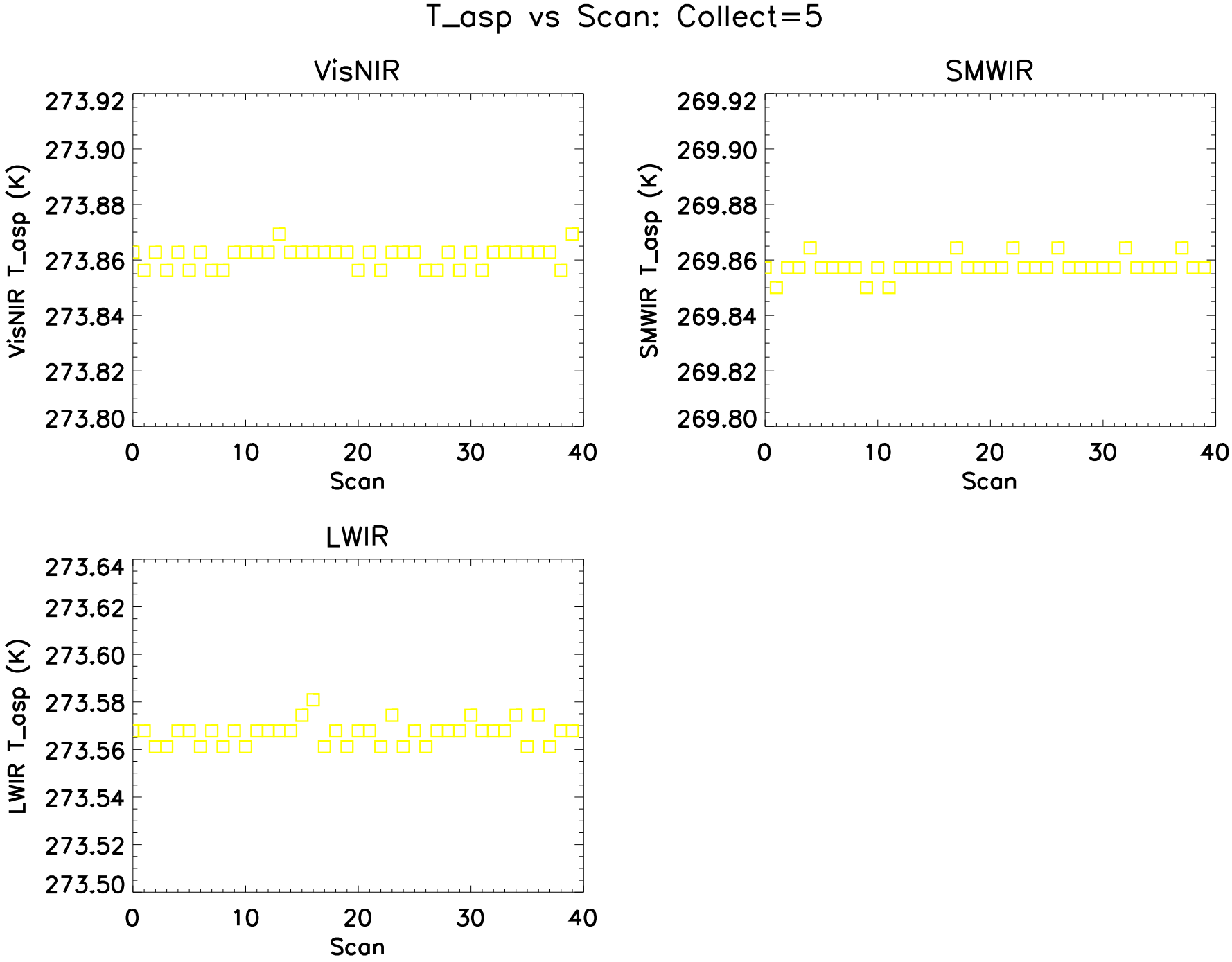


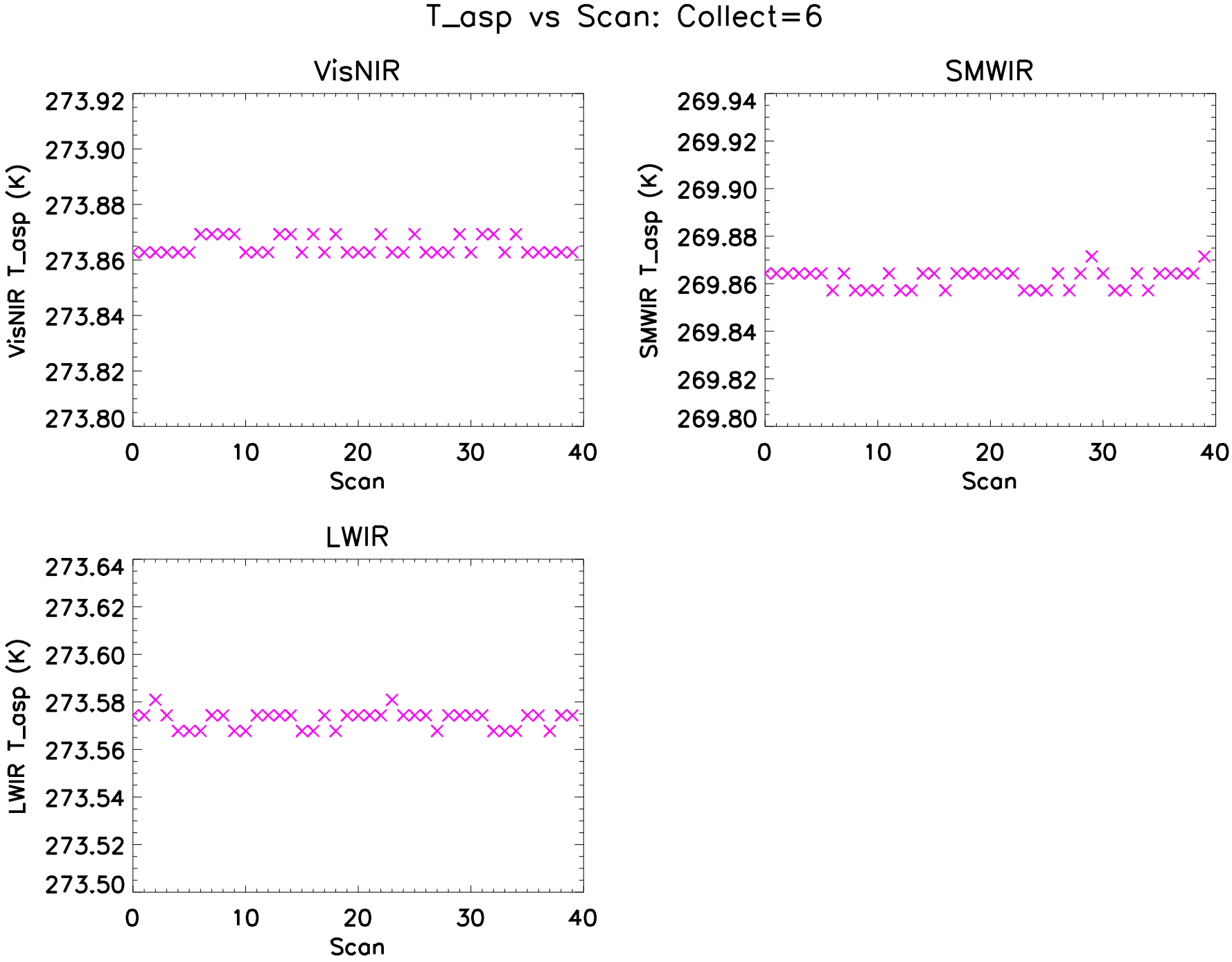

T_asp vs Scan: Collect=1
VisNIR
VisNIR T_asp (K)
273.90
273.88
273.86
273.84
273.82
273.80
273.78
273.76
0
10
20
30
40
Scan
SMWIR
SMWIR T_asp (K)
269.90
269.88
269.86
269.84
269.82
269.80
269.78
269.76
0
10
20
30
40
Scan
LWIR
LWIR T_asp (K)
273.60
273.58
273.56
273.54
273.52
273.50
273.48
0
10
20
30
40
Scan

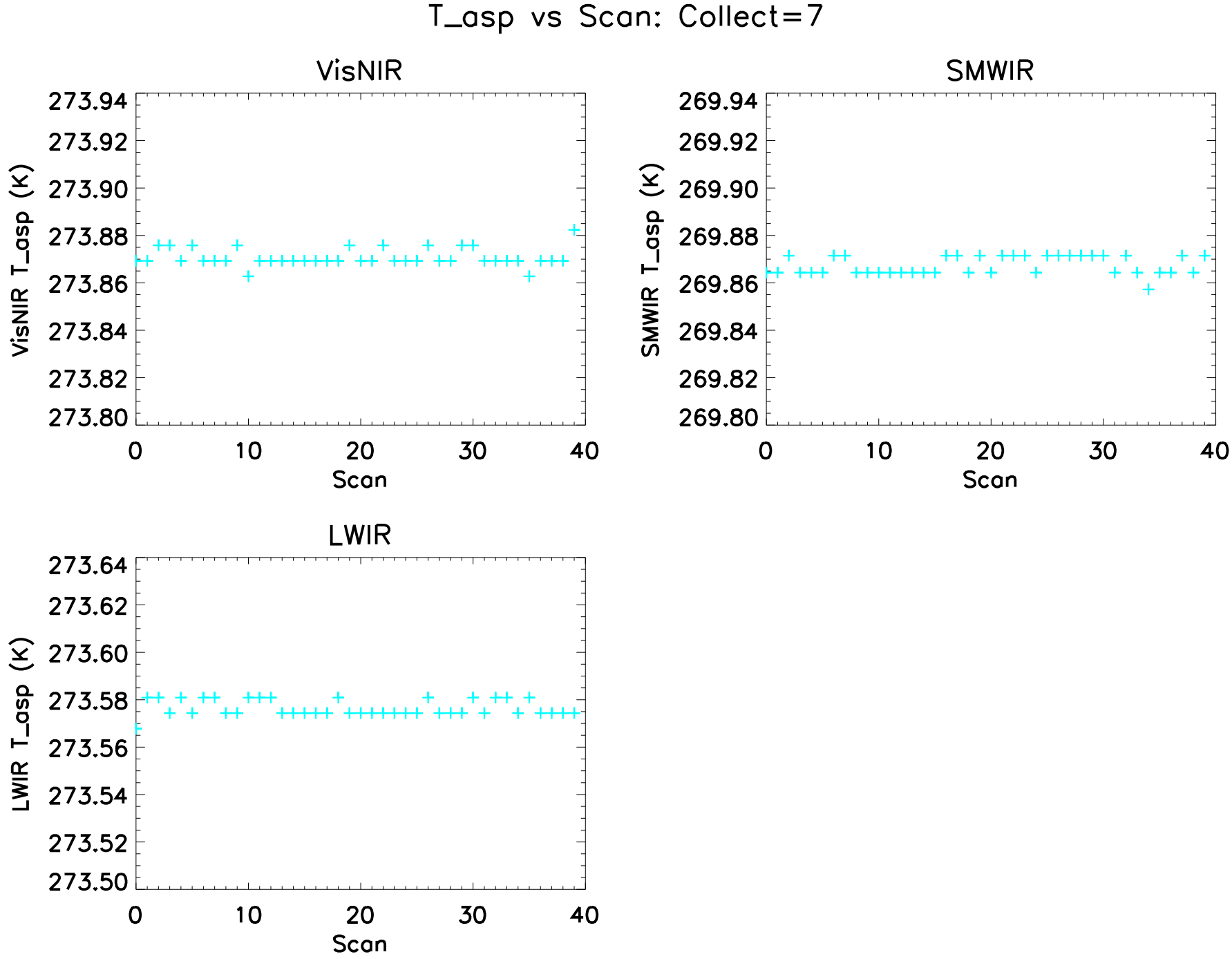

T_asp vs Scan: Collect=2
VisNIR
VisNIR T_asp (K)
273.90
273.88
273.86
273.84
273.82
273.80
273.78
0
10
20
30
40
Scan
SMWIR
SMWIR T_asp (K)
269.92
269.90
269.88
269.86
269.84
269.82
269.80
269.78
269.76
0
10
20
30
40
Scan
LWIR
LWIR T_asp (K)
273.62
273.60
273.58
273.56
273.54
273.52
273.50
273.48
0
10
20
30
40
Scan

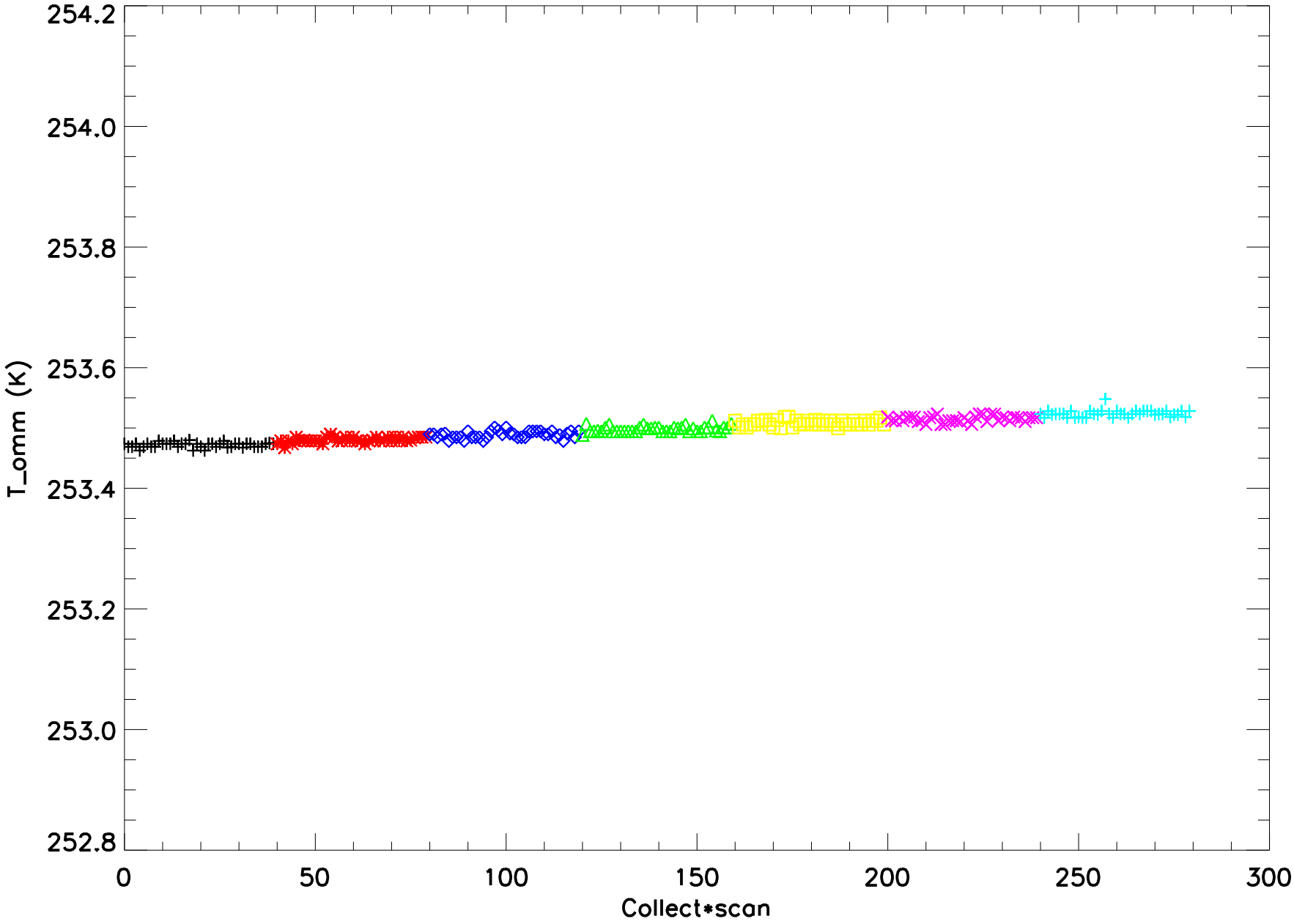

T_asp vs Scan: Collect=3
VisNIR
VisNIR T_asp (K)
273.90
273.88
273.86
273.84
273.82
273.80
273.78
0
10
20
30
40
Scan
SMWIR
SMWIR T_asp (K)
269.92
269.90
269.88
269.86
269.84
269.82
269.80
269.78
0
10
20
30
40
Scan
LWIR
LWIR T_asp (K)
273.62
273.60
273.58
273.56
273.54
273.52
273.50
273.48
0
10
20
30
40
Scan

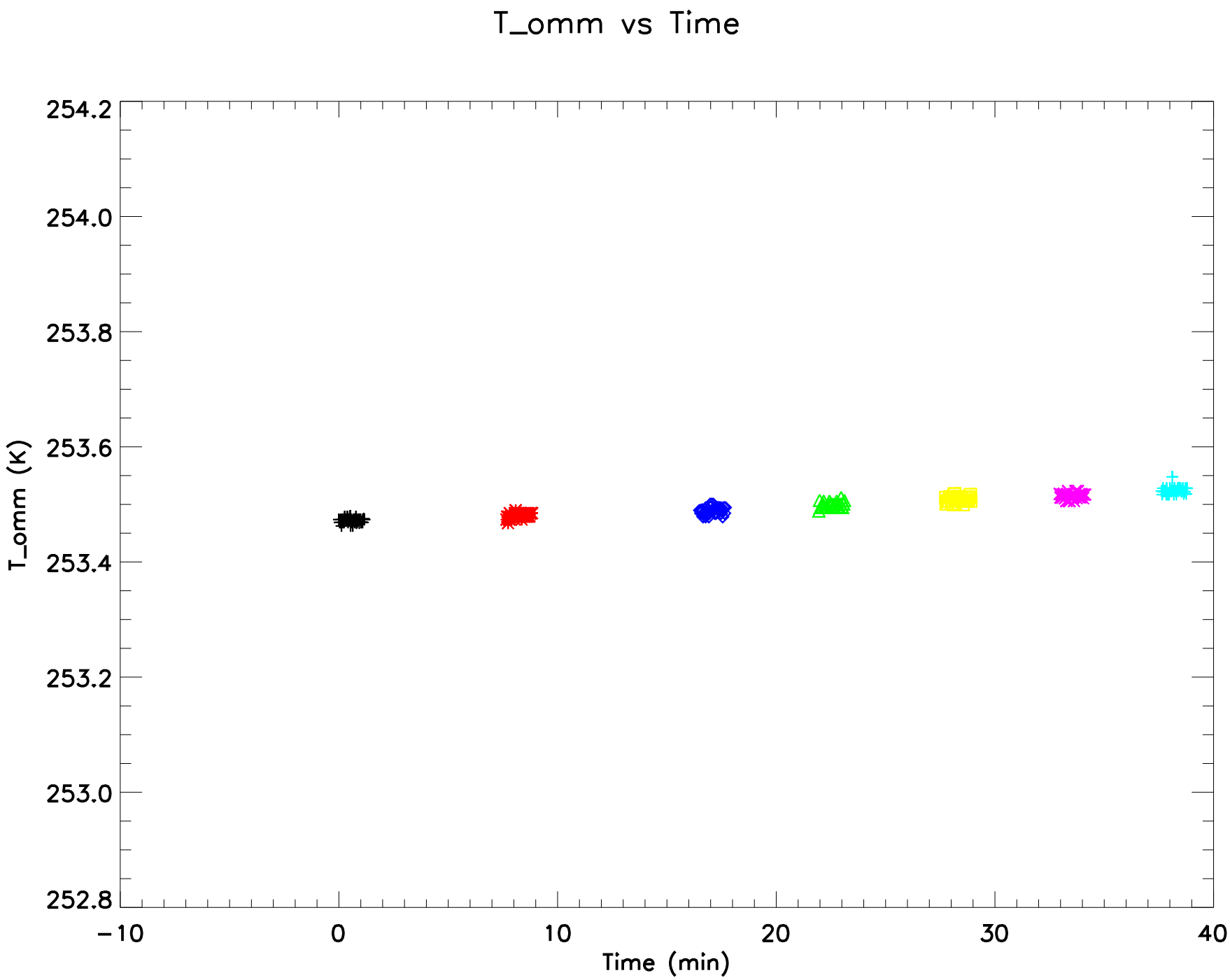

T_asp vs Scan: Collect=4
VisNIR
VisNIR T_asp (K)
273.92
273.90
273.88
273.86
273.84
273.82
273.80
273.78
0
10
20
30
40
Scan
SMWIR
SMWIR T_asp (K)
269.92
269.90
269.88
269.86
269.84
269.82
269.80
269.78
0
10
20
30
40
Scan
LWIR
LWIR T_asp (K)
273.62
273.60
273.58
273.56
273.54
273.52
273.50
273.48
0
10
20
30
40
Scan


T_asp vs Scan: Collect=5
VisNIR
VisNIR T_asp (K)
273.92
273.90
273.88
273.86
273.84
273.82
273.80
0
10
20
30
40
Scan
SMWIR
SMWIR T_asp (K)
269.92
269.90
269.88
269.86
269.84
269.82
269.80
0
10
20
30
40
Scan
LWIR
LWIR T_asp (K)
273.64
273.62
273.60
273.58
273.56
273.54
273.52
273.50
0
10
20
30
40
Scan

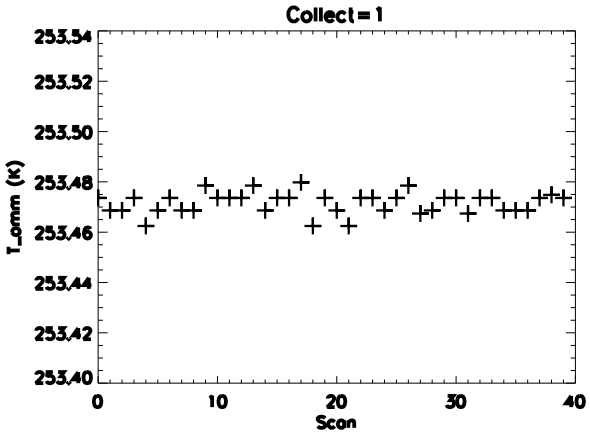

T_asp vs Scan: Collect=6
VisNIR
VisNIR T_asp (K)
273.92
273.90
273.88
273.86
273.84
273.82
273.80
0
10
20
30
40
Scan
SMWIR
SMWIR T_asp (K)
269.94
269.92
269.90
269.88
269.86
269.84
269.82
269.80
0
10
20
30
40
Scan
LWIR
LWIR T_asp (K)
273.64
273.62
273.60
273.58
273.56
273.54
273.52
273.50
0
10
20
30
40
Scan

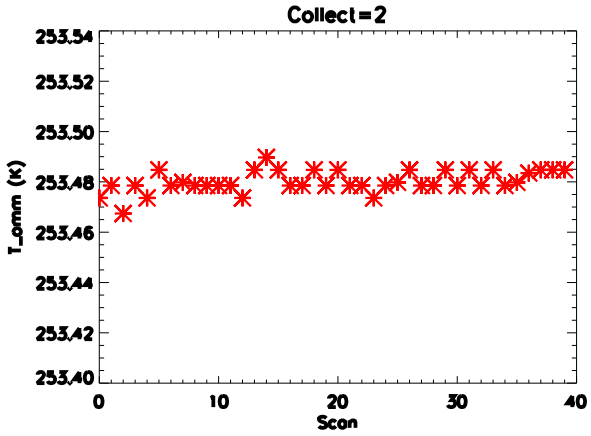

T_asp vs Scan: Collect=7
VisNIR
VisNIR T_asp (K)
273.94
273.92
273.90
273.88
273.86
273.84
273.82
273.80
0
10
20
30
40
Scan
SMWIR
SMWIR T_asp (K)
269.94
269.92
269.90
269.88
269.86
269.84
269.82
269.80
0
10
20
30
40
Scan
LWIR
LWIR T_asp (K)
273.64
273.62
273.60
273.58
273.56
273.54
273.52
273.50
0
10
20
30
40
Scan

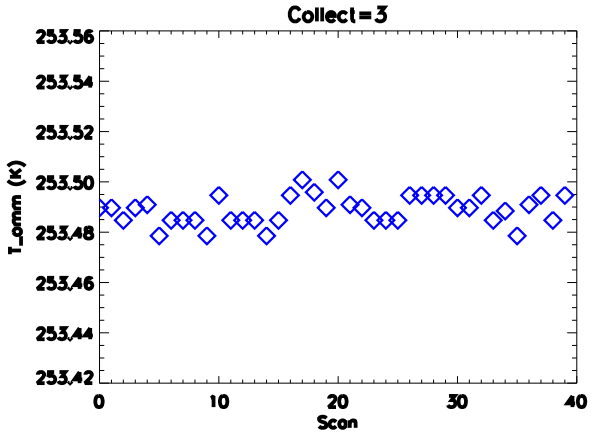

T_omm vs Scan and Collect
254.2
254.0
253.8
253.6
253.4
253.2
253.0
252.8
T_omm (K)
0
50
100
150
200
250
300
Collect*scan

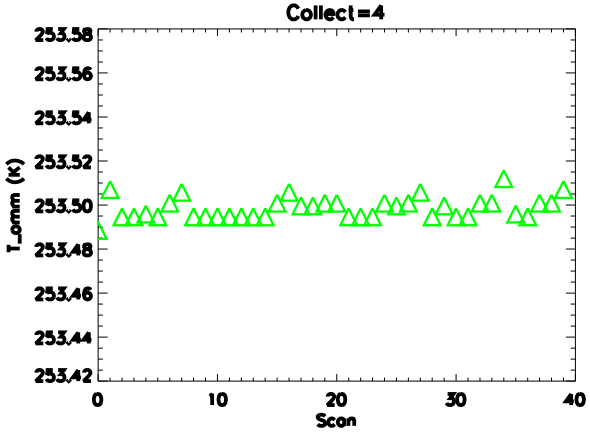

T_omm vs Time
254.2
254.0
253.8
253.6
253.4
253.2
253.0
252.8
T_omm (K)
−10
0
10
20
30
40
Time (min)

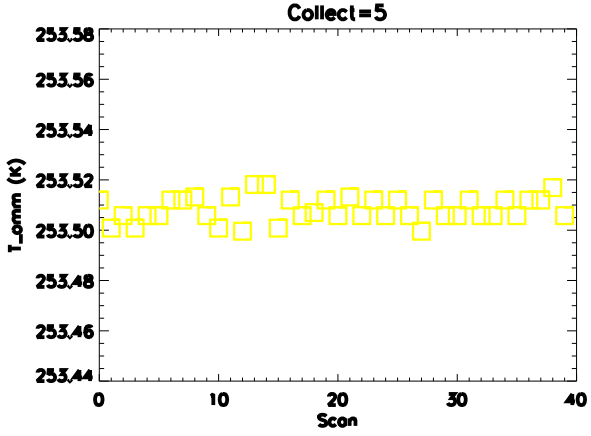
T_omm vs Scan

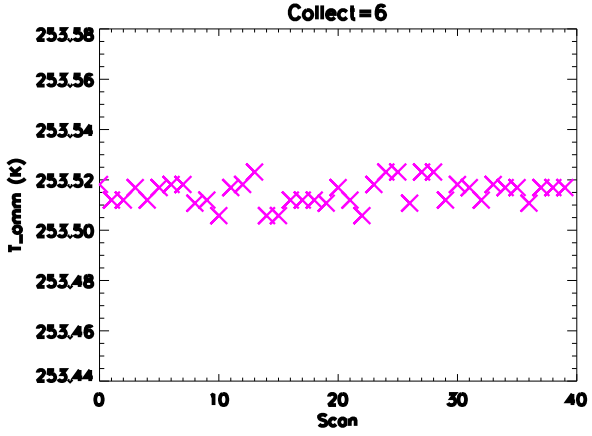

Collect=1
T_omm (K)
253.54
253.52
253.50
253.48
253.46
253.44
253.42
253.40
0
10
20
30
40
Scan

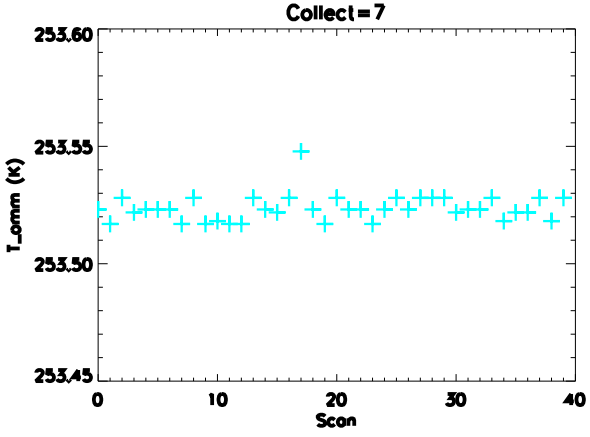

Collect=2
T_omm (K)
253.54
253.52
253.50
253.48
253.46
253.44
253.42
253.40
0
10
20
30
40
Scan


Collect=3
T_omm (K)
253.56
253.54
253.52
253.50
253.48
253.46
253.44
253.42
0
10
20
30
40
Scan


Collect=4
T_omm (K)
253.58
253.56
253.54
253.52
253.50
253.48
253.46
253.44
253.42
0
10
20
30
40
Scan


Collect=5
T_omm (K)
253.58
253.56
253.54
253.52
253.50
253.48
253.46
253.44
0
10
20
30
40
Scan


Collect=6
T_omm (K)
253.58
253.56
253.54
253.52
253.50
253.48
253.46
253.44
0
10
20
30
40
Scan


Collect=7
T_omm (K)
253.60
253.55
253.50
253.45
0
10
20
30
40
Scan