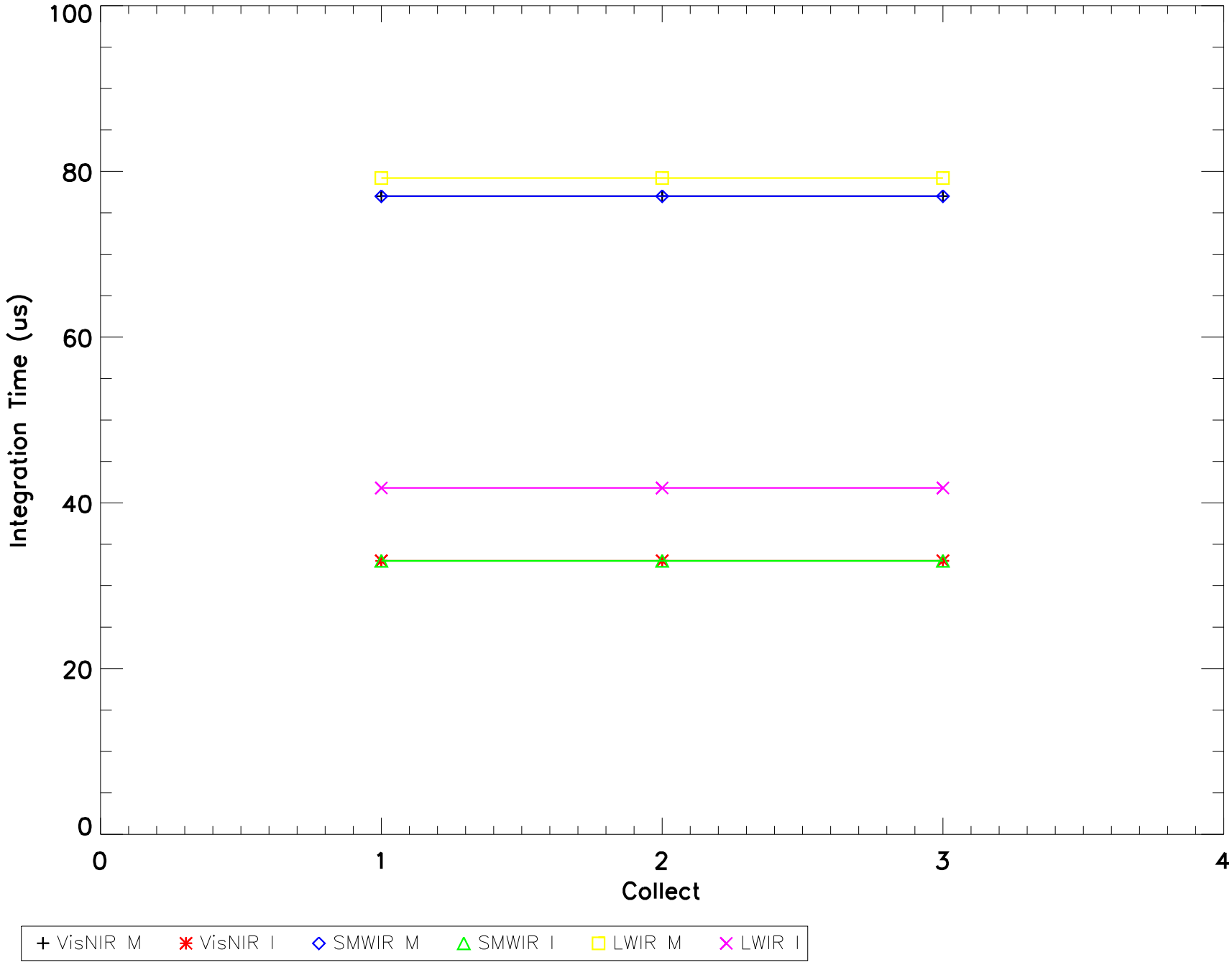
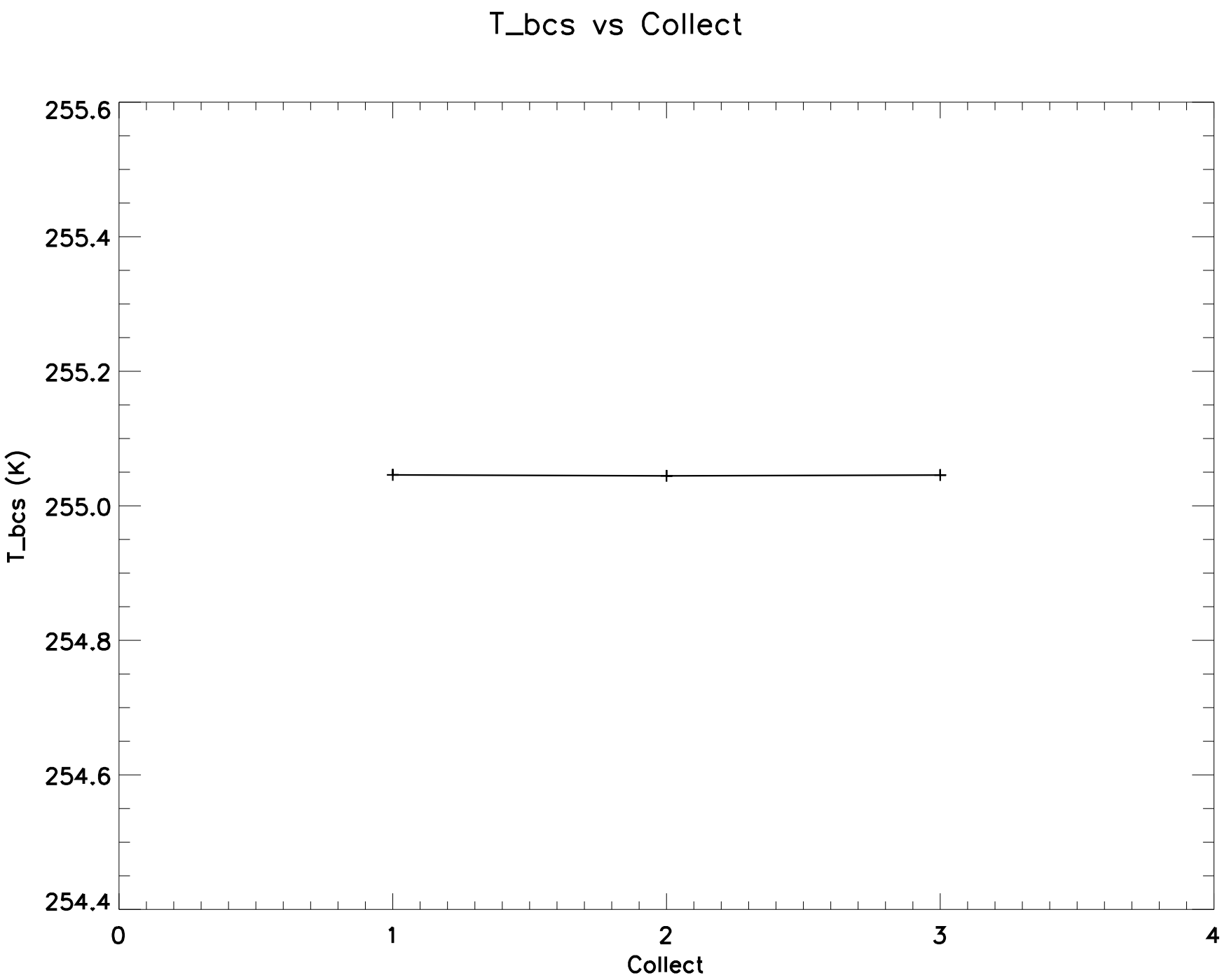
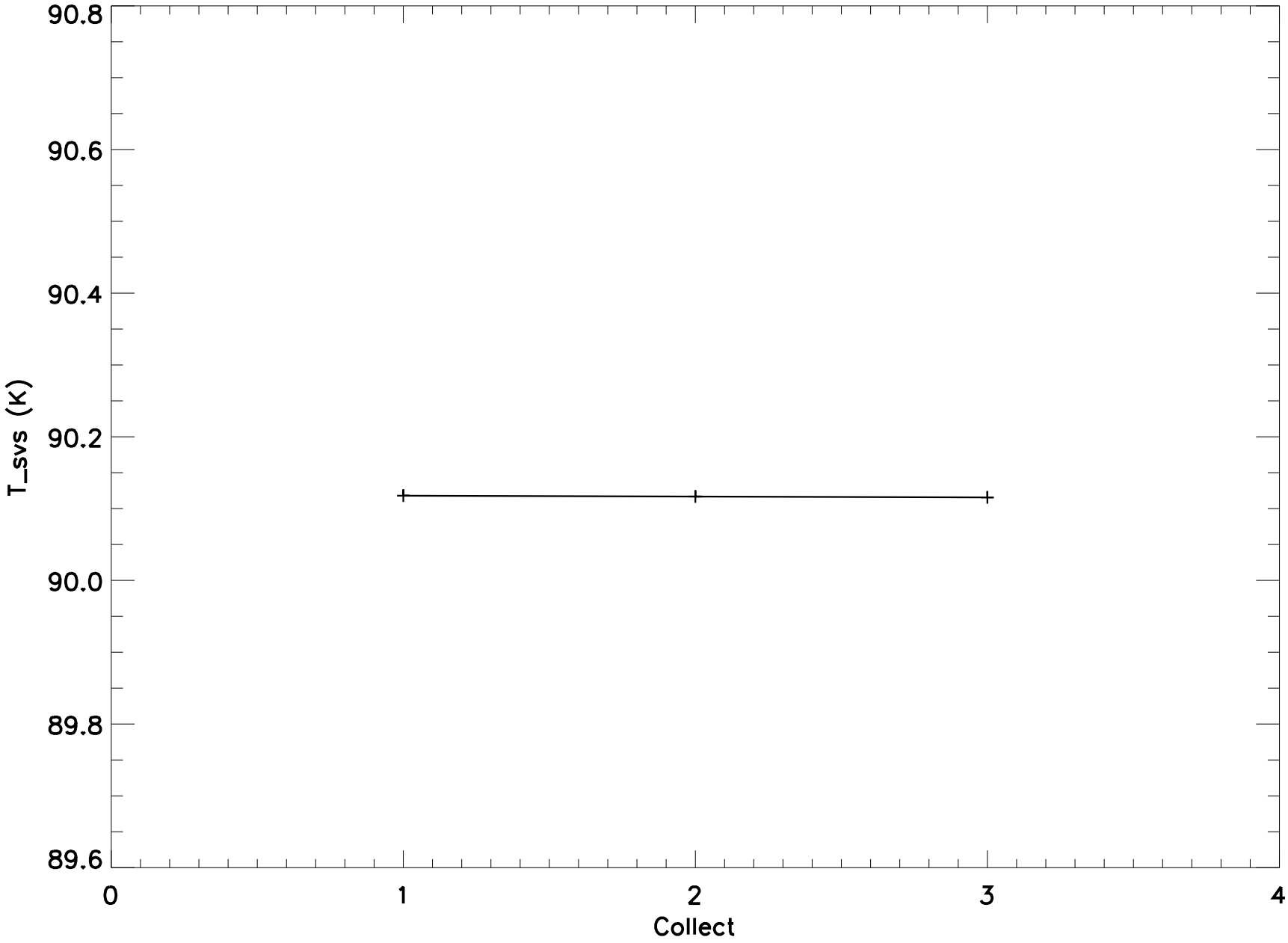
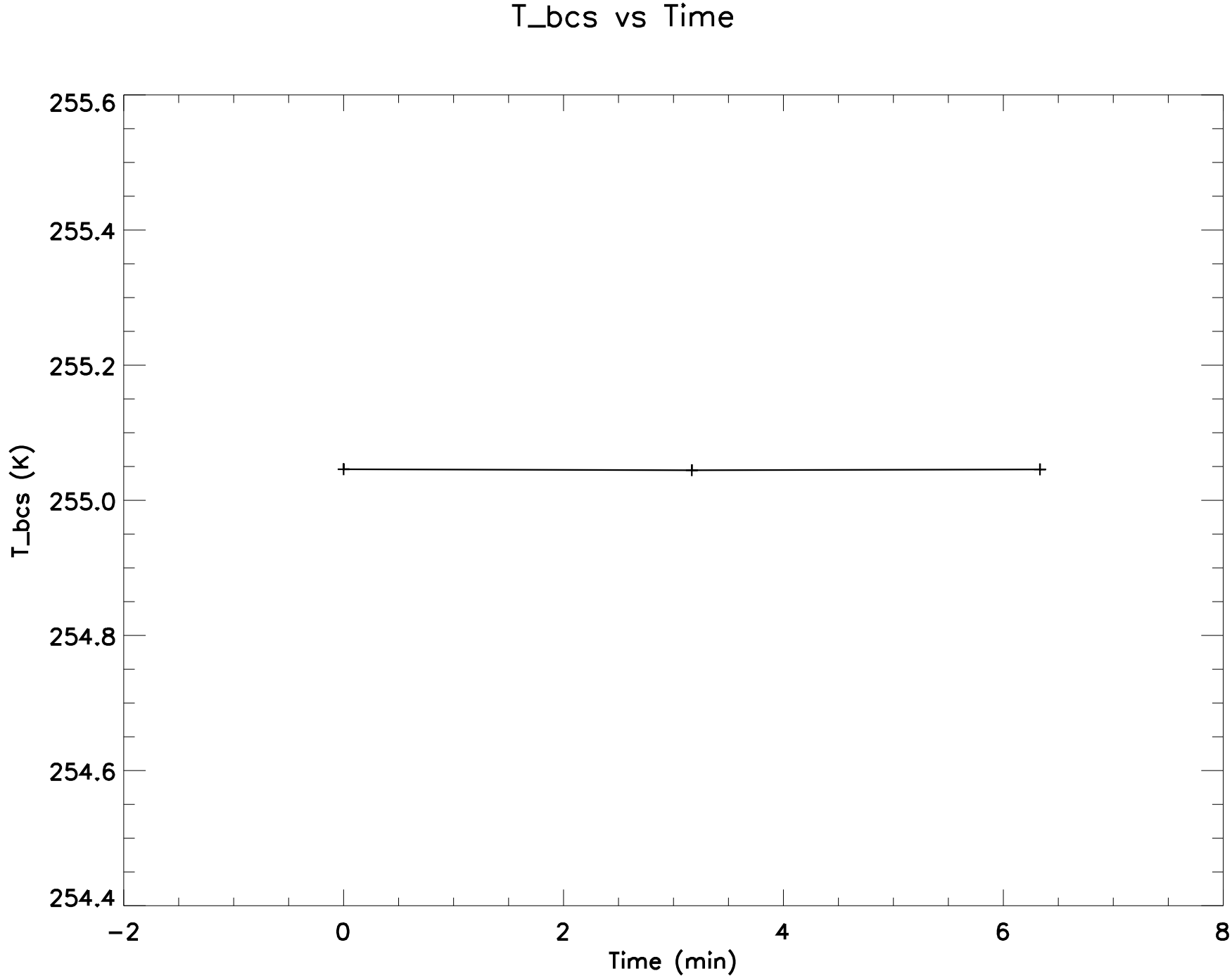
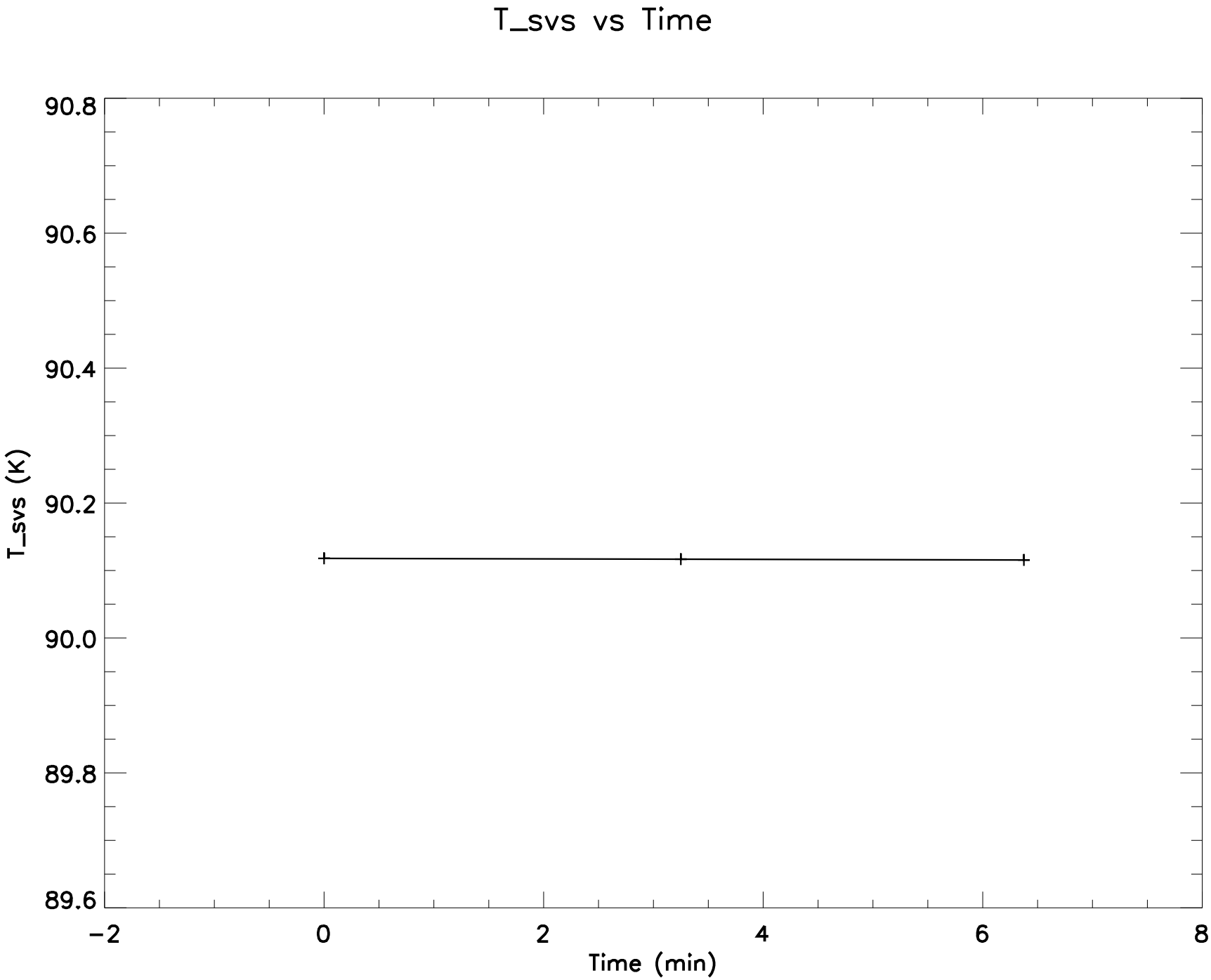
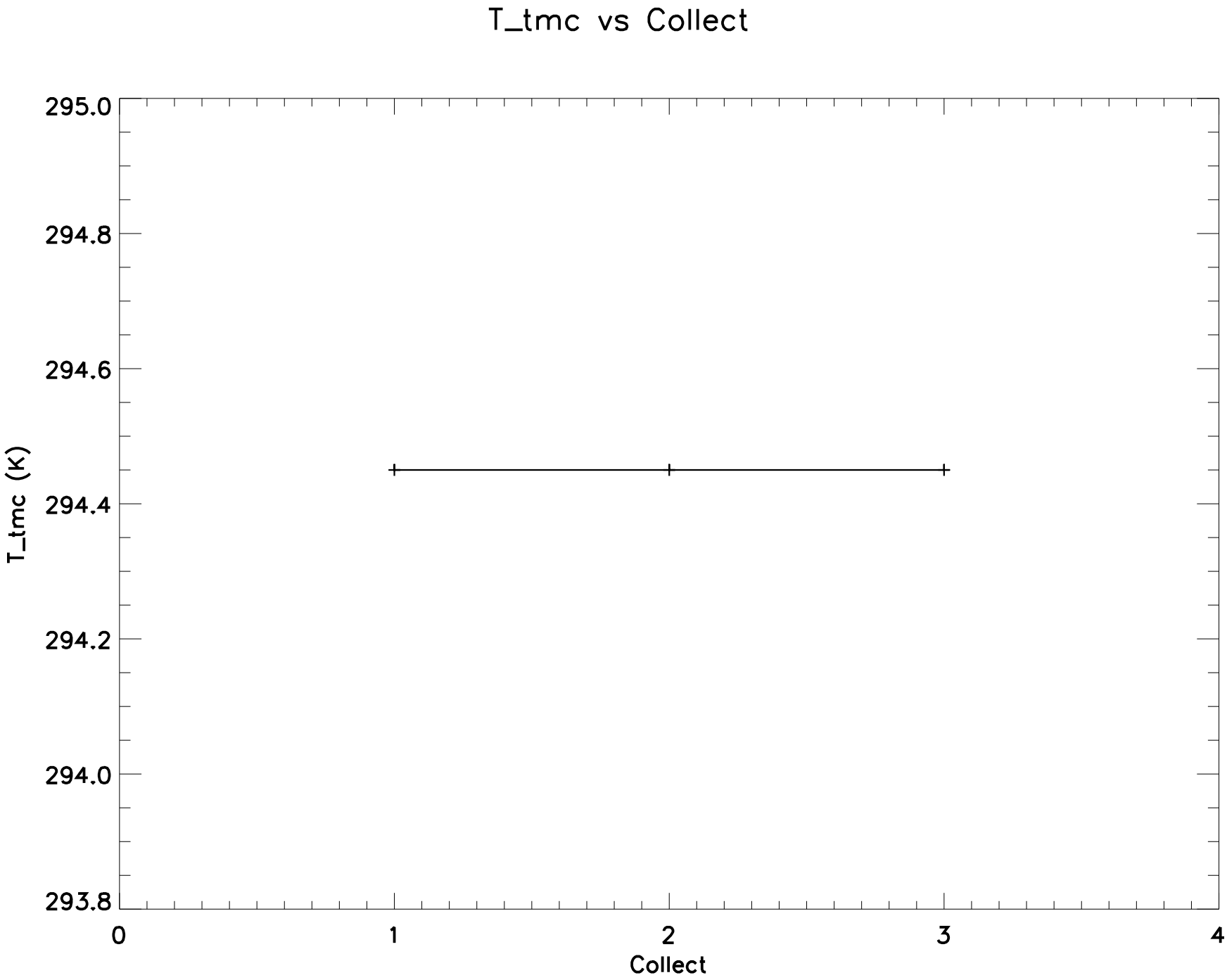

Integration Time vs Collect
Integration Time (us)
100
80
60
40
20
0
0
1
2
3
4
Collect
VisNIR M
VisNIR I
SMWIR M
SMWIR I
LWIR M
LWIR I

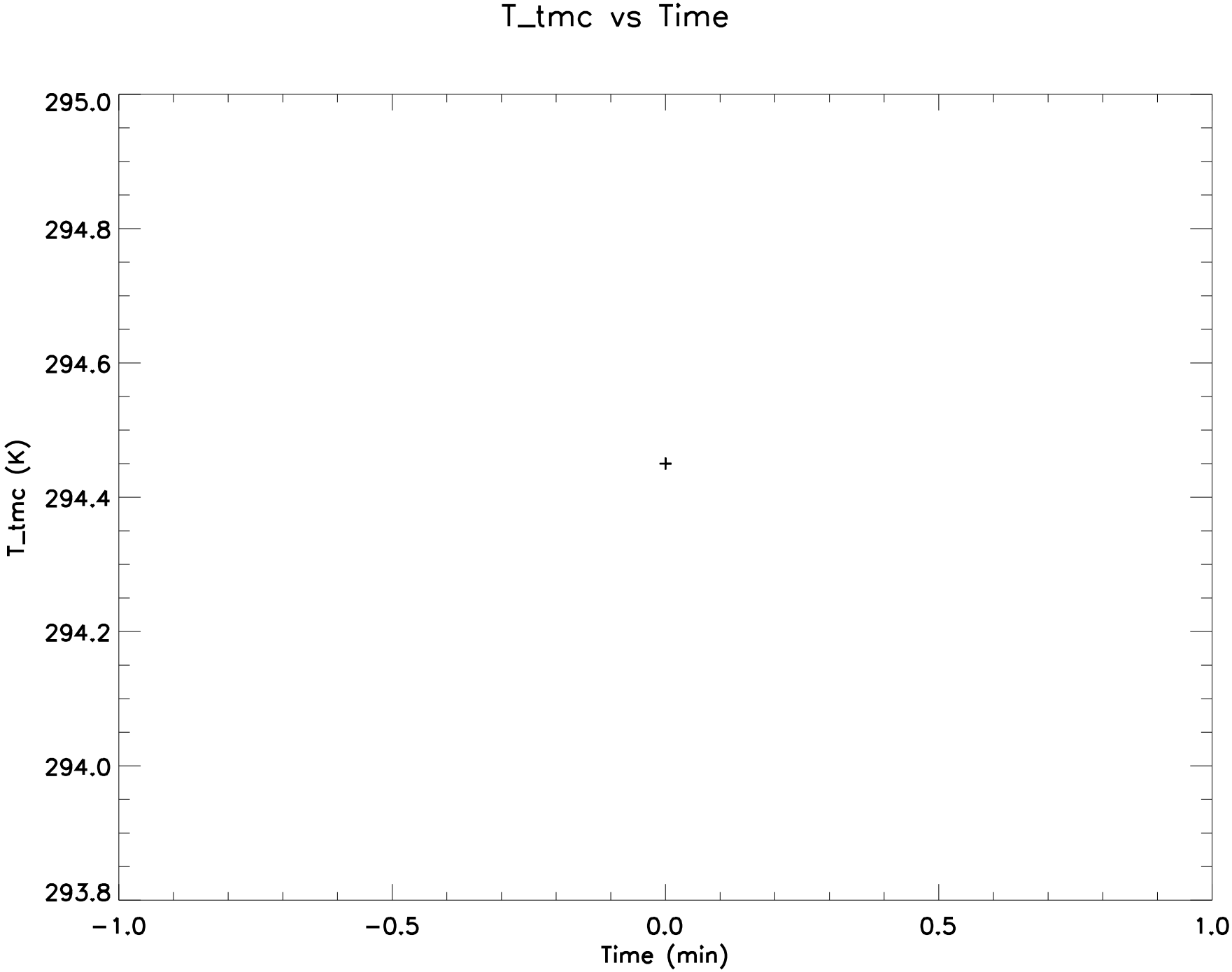

T_bcs vs Collect
255.6
255.4
255.2
255.0
254.8
254.6
254.4
T_bcs (K)
0
1
2
3
4
Collect

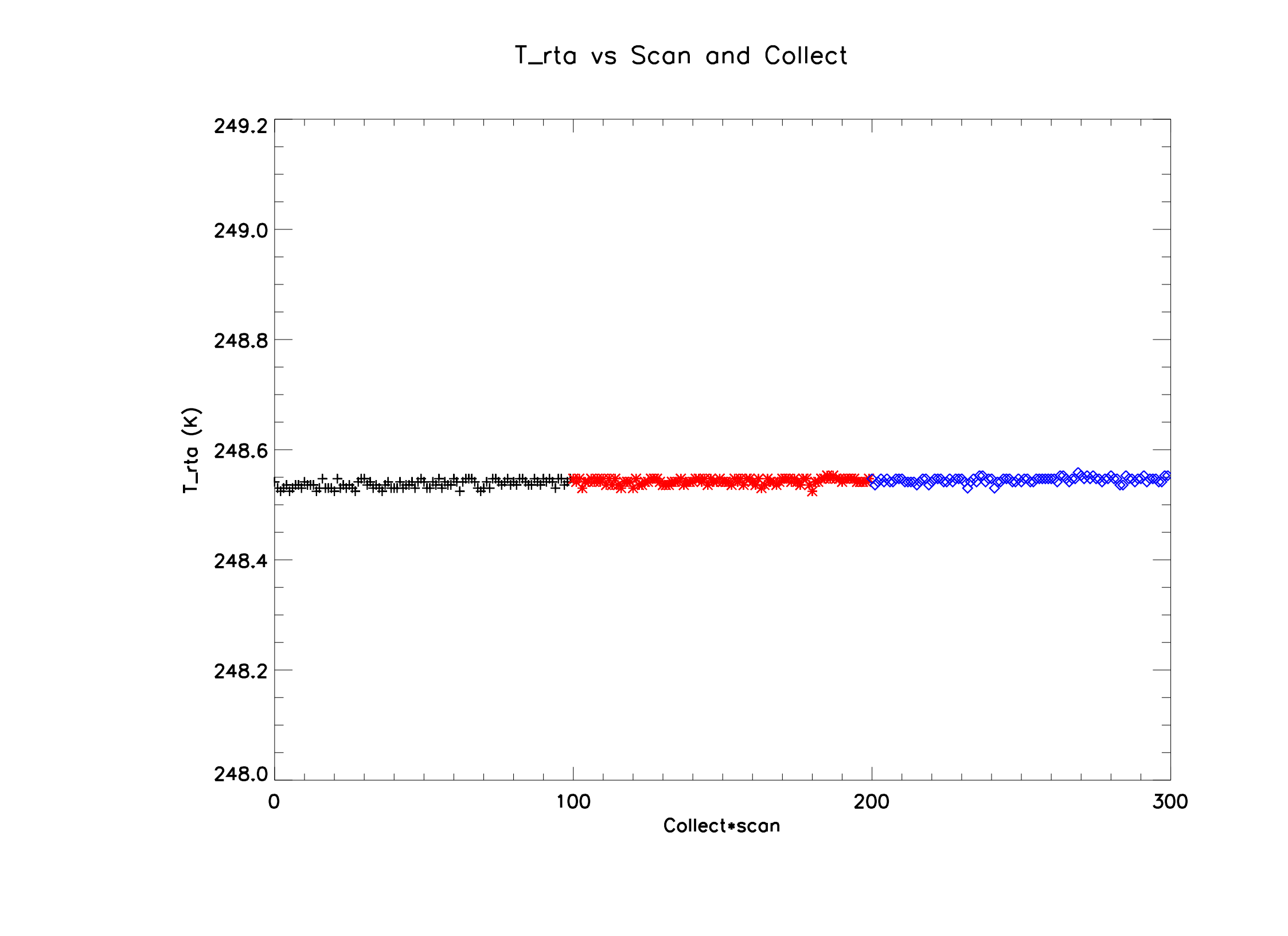

T_svs vs Collect
90.8
90.6
90.4
90.2
90.0
89.8
89.6
T_svs (K)
0
1
2
3
4
Collect

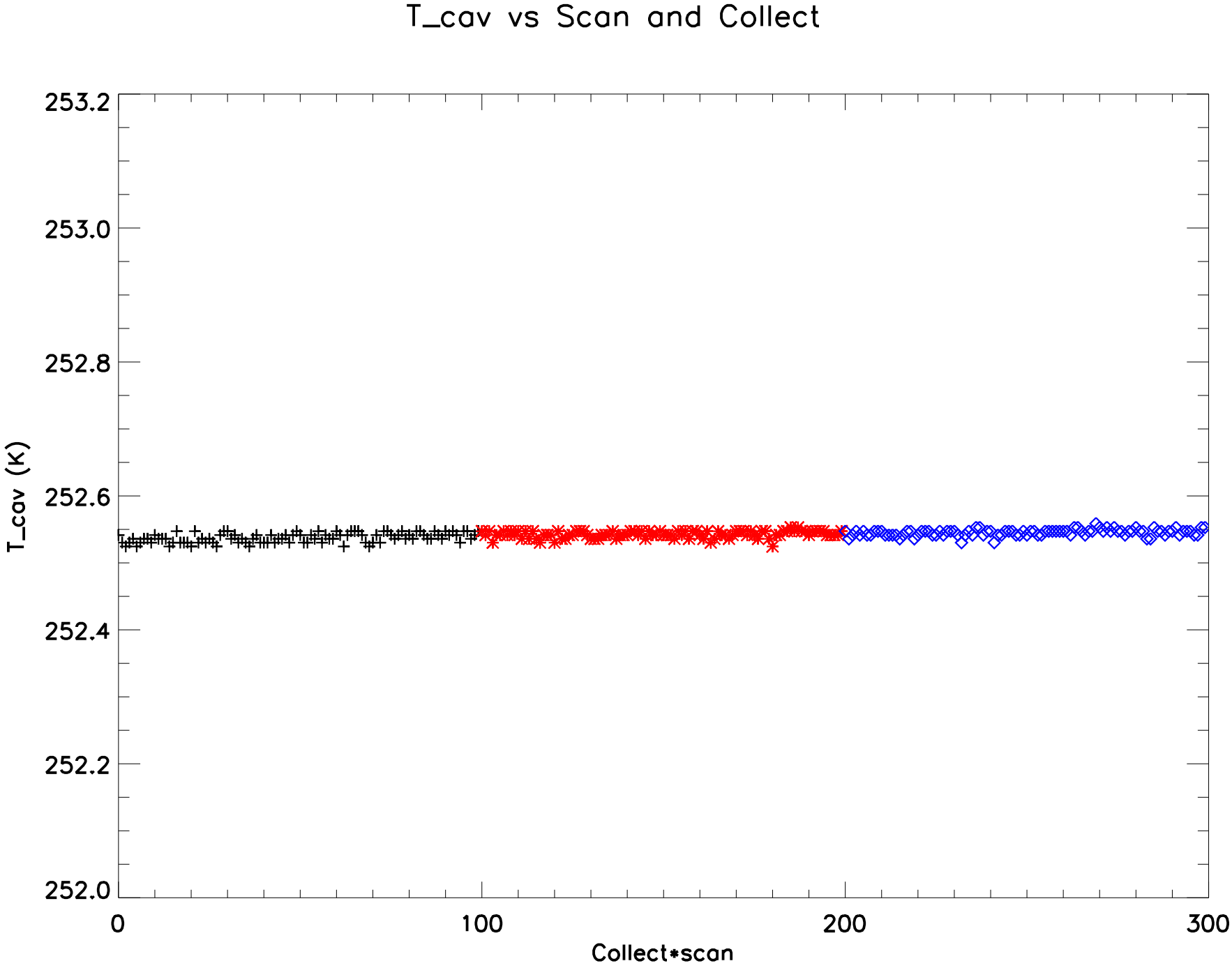

T_bcs vs Time
255.6
255.4
255.2
255.0
254.8
254.6
254.4
T_bcs (K)
−2
0
2
4
6
8
Time (min)

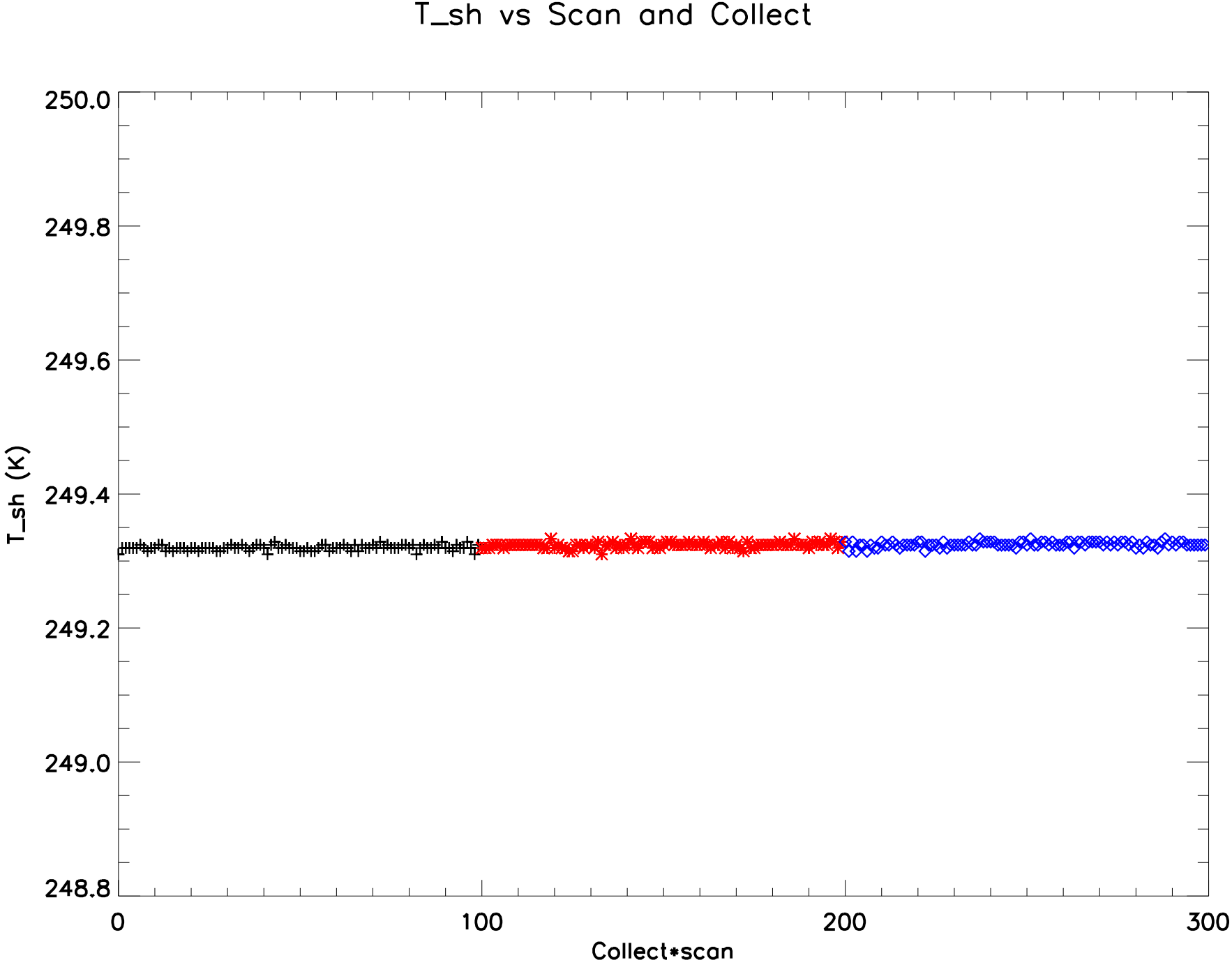

T_svs vs Time
90.8
90.6
90.4
90.2
90.0
89.8
89.6
T_svs (K)
−2
0
2
4
6
8
Time (min)

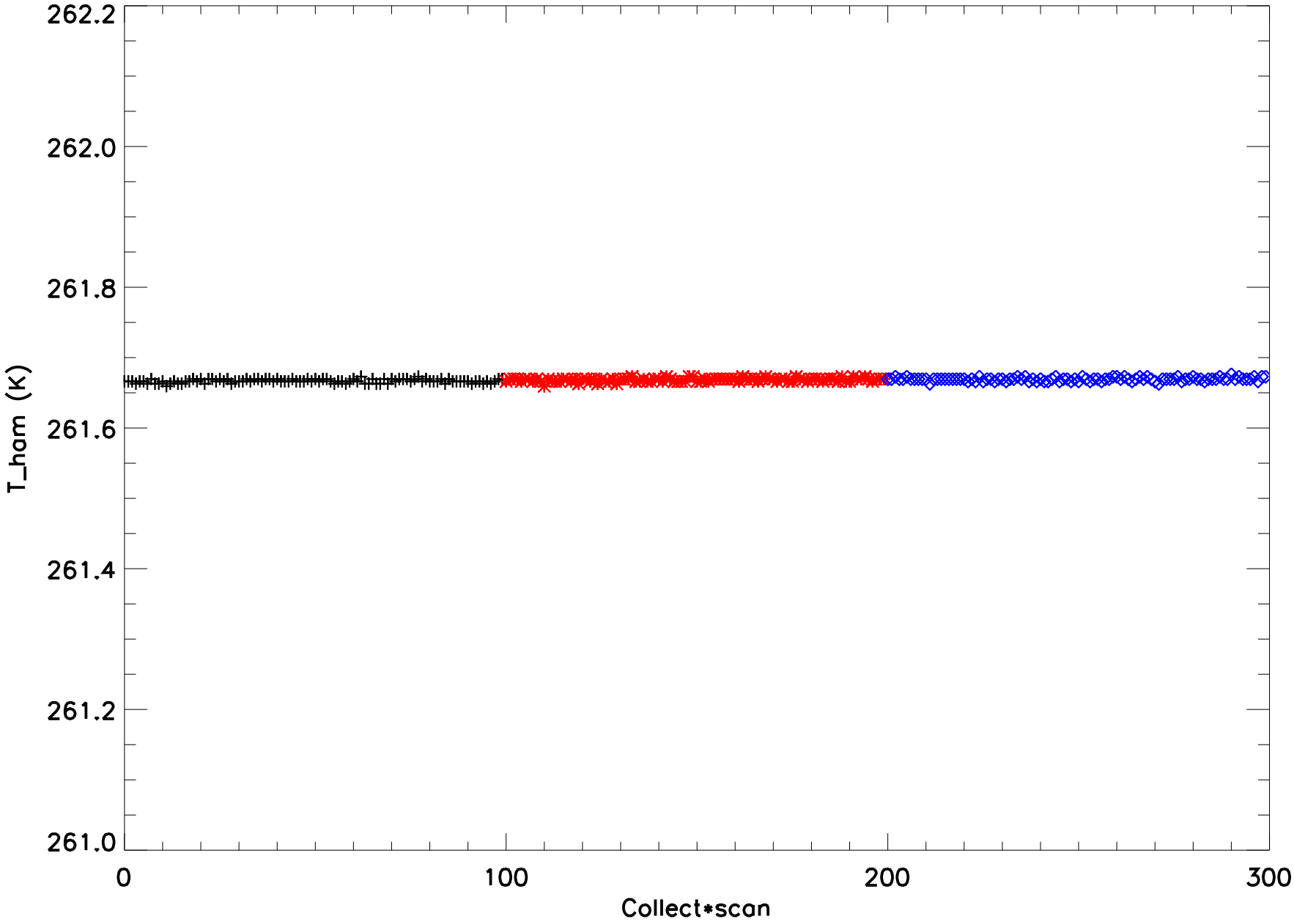

T_tmc vs Collect
295.0
294.8
294.6
294.4
294.2
294.0
293.8
T_tmc (K)
0
1
2
3
4
Collect

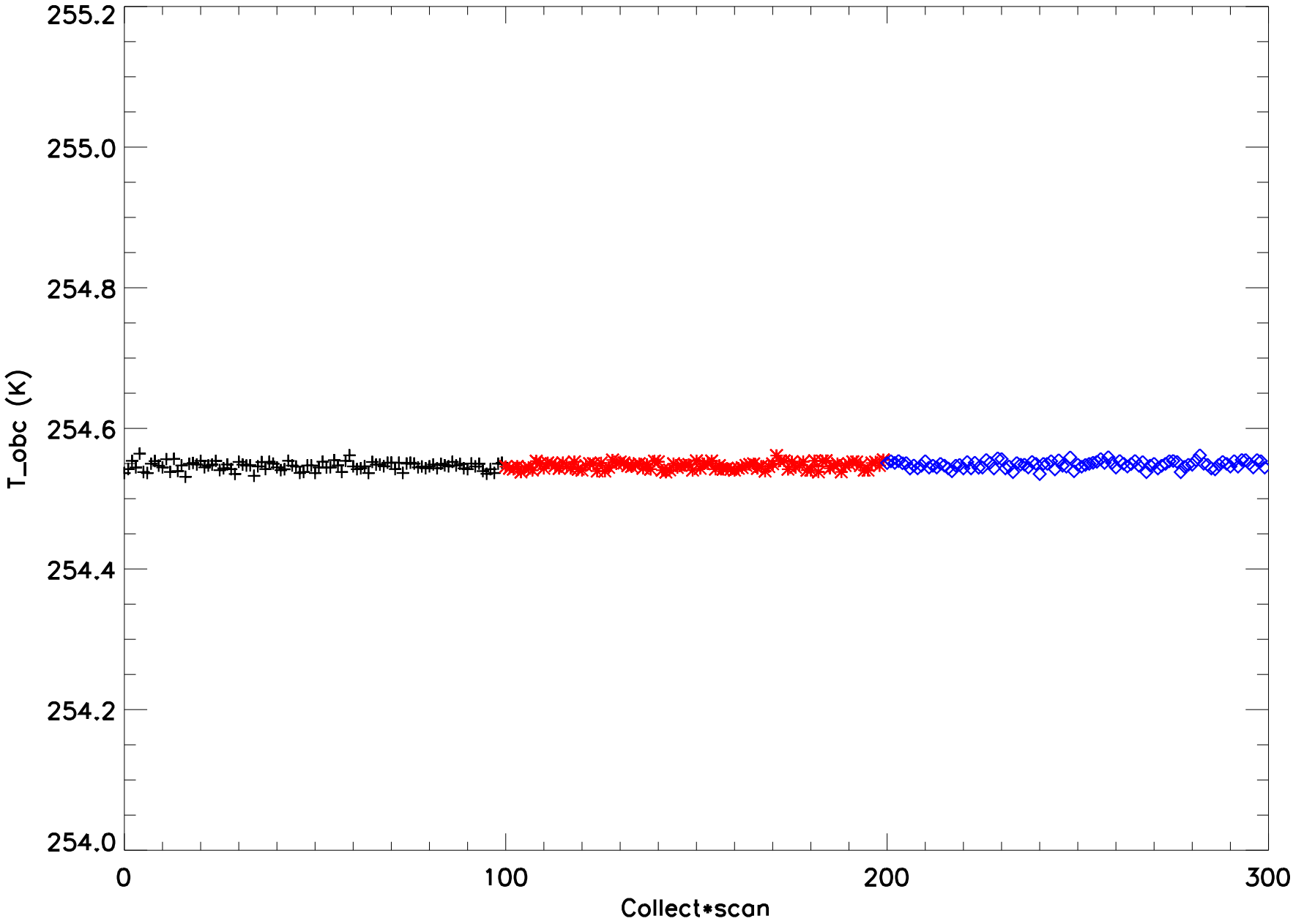

T_tmc vs Time
295.0
294.8
294.6
294.4
294.2
294.0
293.8
T_tmc (K)
−1.0
−0.5
0.0
0.5
1.0
Time (min)

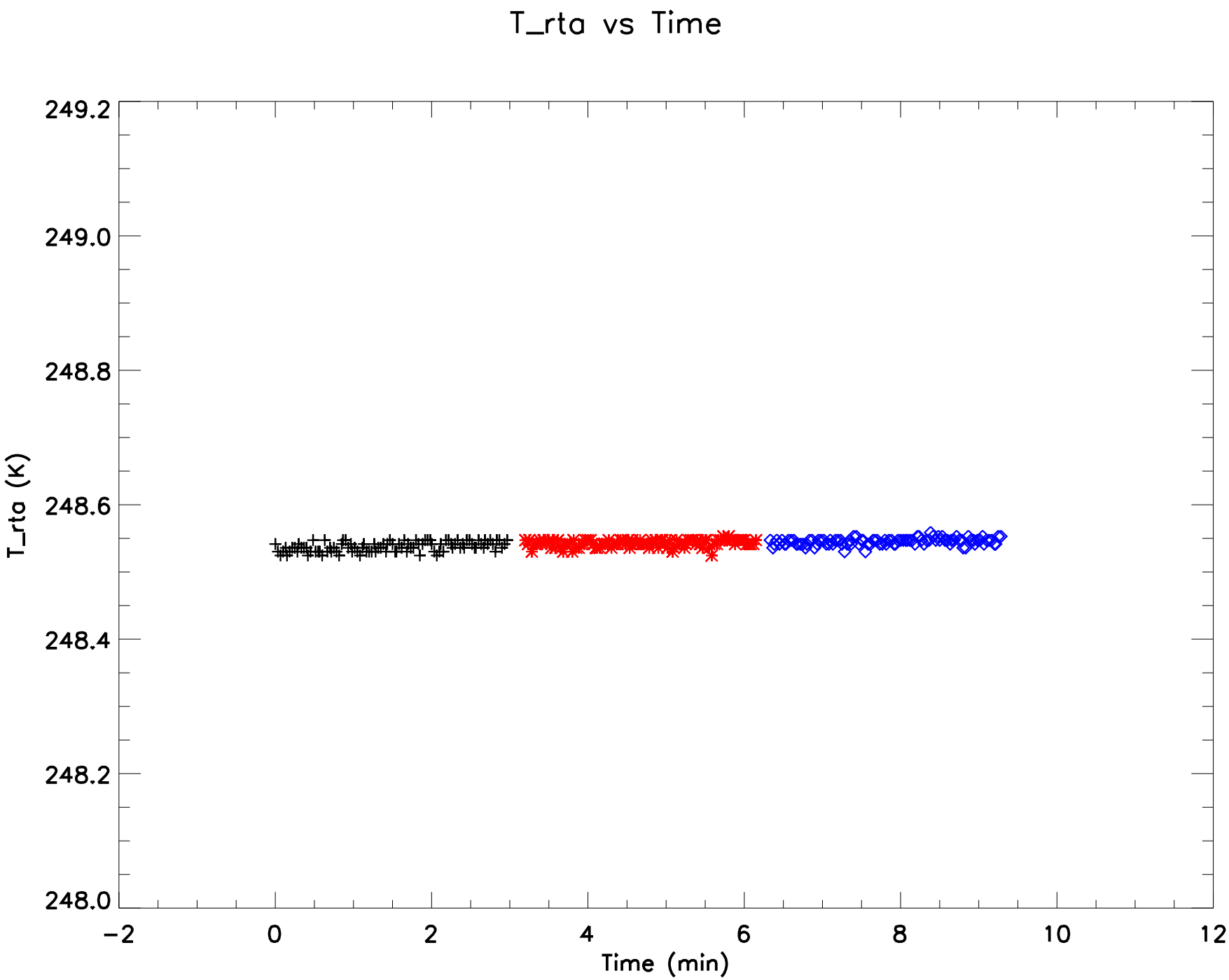

T_rta vs Scan and Collect
249.2
249.0
248.8
248.6
248.4
248.2
248.0
T_rta (K)
0
100
200
300
Collect*scan

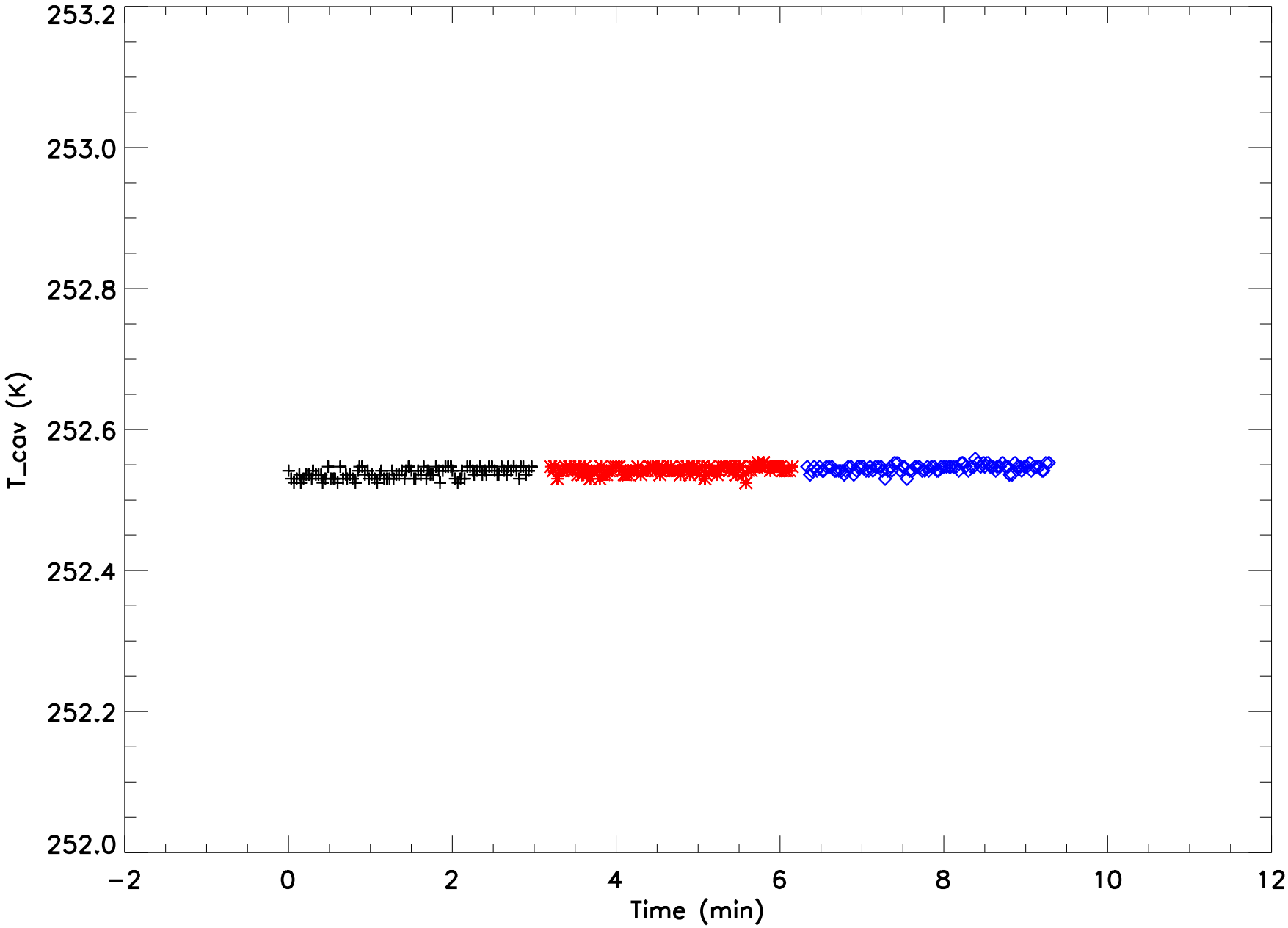

T_cav vs Scan and Collect
253.2
253.0
252.8
252.6
252.4
252.2
252.0
T_cav (K)
0
100
200
300
Collect*scan

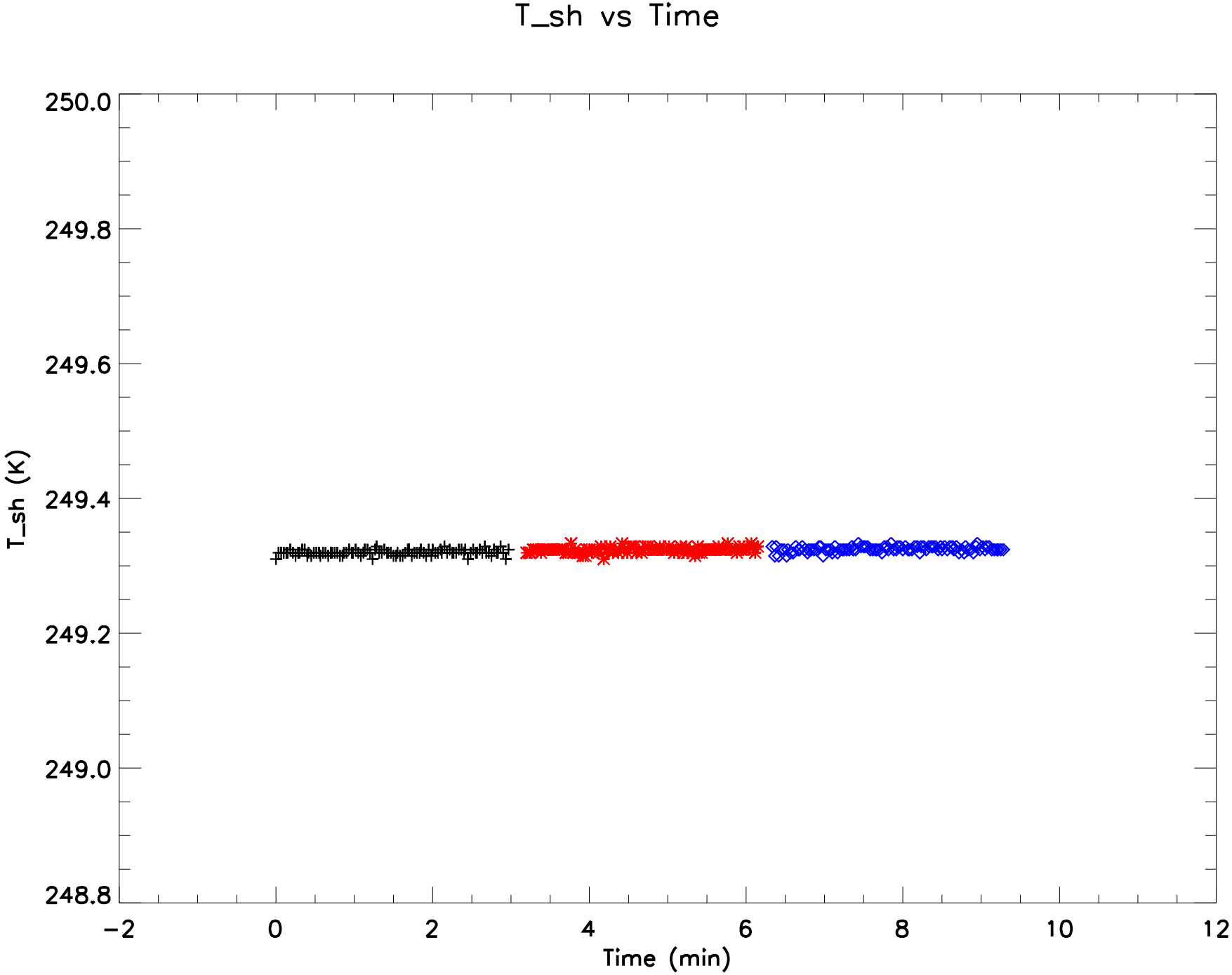

T_sh vs Scan and Collect
250.0
249.8
249.6
249.4
249.2
249.0
248.8
T_sh (K)
0
100
200
300
Collect*scan

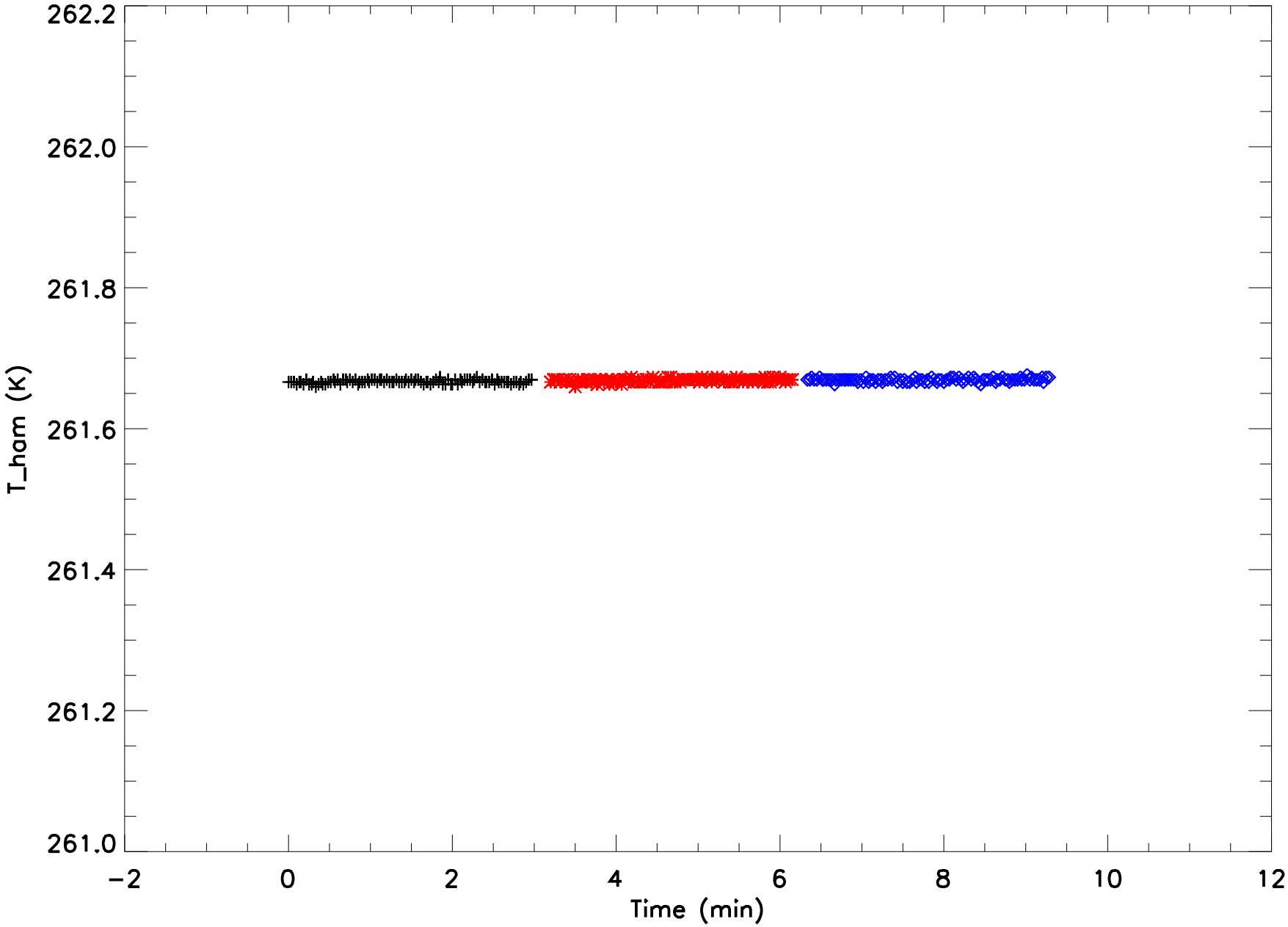

T_ham vs Scan and Collect
262.2
262.0
261.8
261.6
261.4
261.2
261.0
T_ham (K)
0
100
200
300
Collect*scan

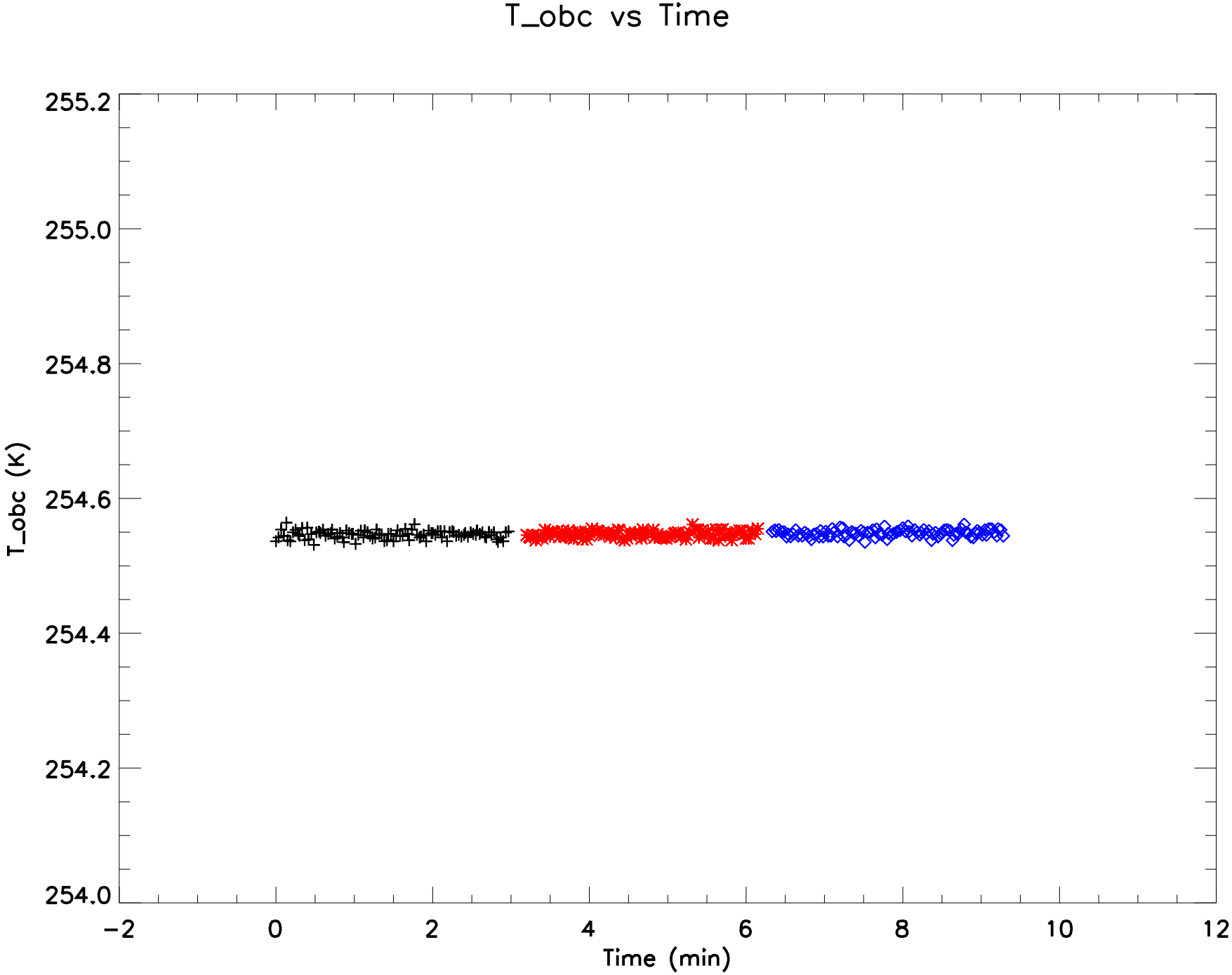

T_obc vs Scan and Collect
255.2
255.0
254.8
254.6
254.4
254.2
254.0
T_obc (K)
0
100
200
300
Collect*scan


T_rta vs Time
249.2
249.0
248.8
248.6
248.4
248.2
248.0
T_rta (K)
−2
0
2
4
6
8
10
12
Time (min)

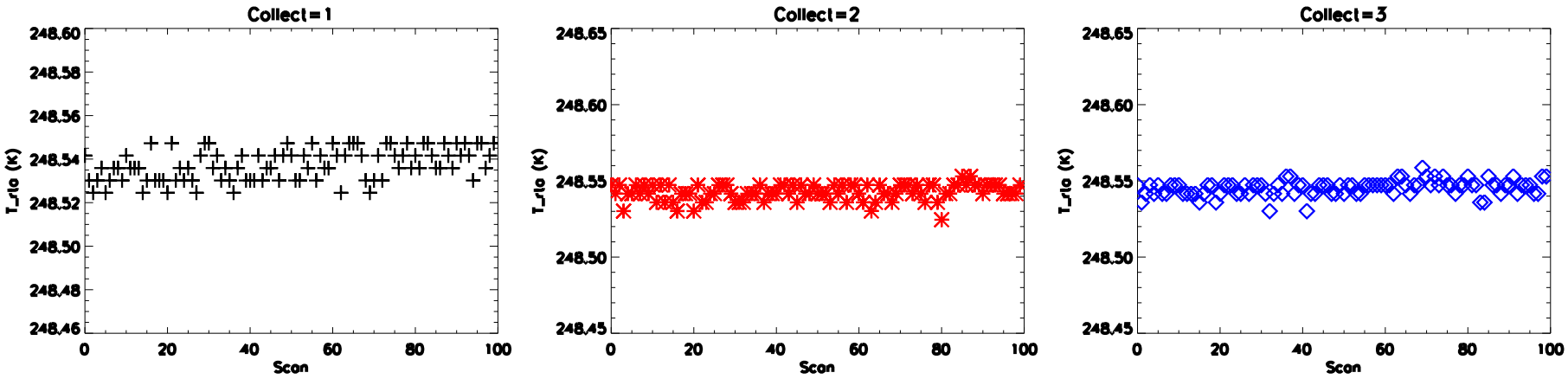

T_cav vs Time
253.2
253.0
252.8
252.6
252.4
252.2
252.0
T_cav (K)
−2
0
2
4
6
8
10
12
Time (min)


T_sh vs Time
250.0
249.8
249.6
249.4
249.2
249.0
248.8
T_sh (K)
−2
0
2
4
6
8
10
12
Time (min)

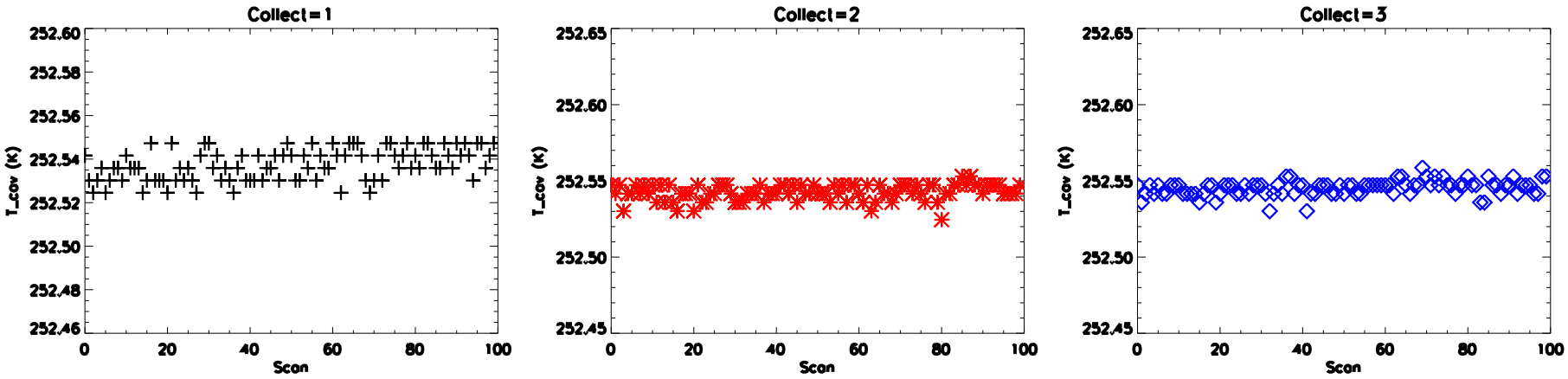

T_ham vs Time
T_ham (K)
262.2
262.0
261.8
261.6
261.4
261.2
261.0
−2
0
2
4
6
8
10
12
Time (min)


T_obc vs Time
255.2
255.0
254.8
254.6
254.4
254.2
254.0
T_obc (K)
−2
0
2
4
6
8
10
12
Time (min)

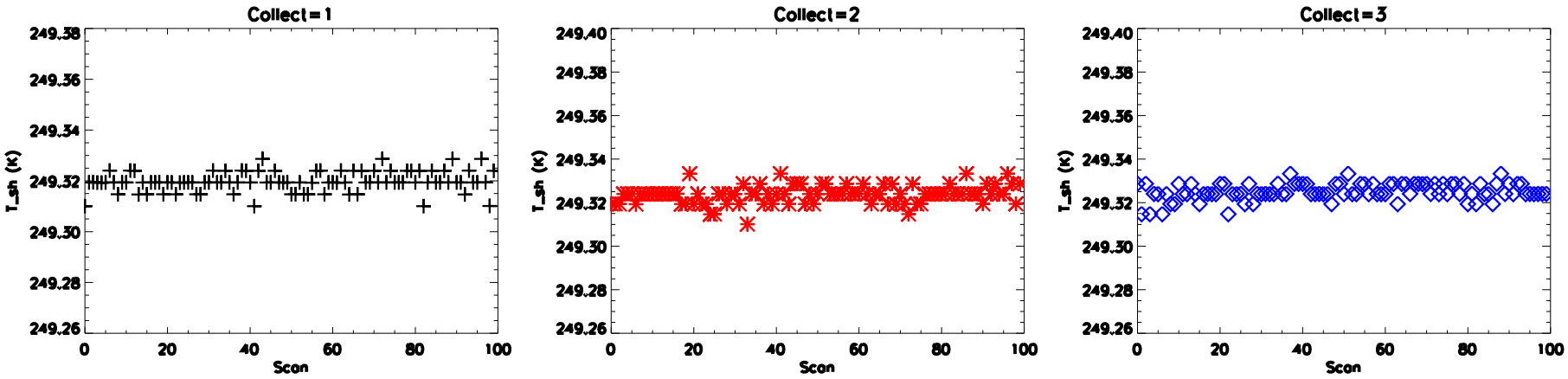
# T_rta vs Scan


Collect = 1
Collect = 2
Collect = 3
T_rta (K)
Scan
248.60
248.58
248.56
248.54
248.52
248.50
248.48
248.46
248.65
248.60
248.55
248.50
248.45
0
20
40
60
80
100

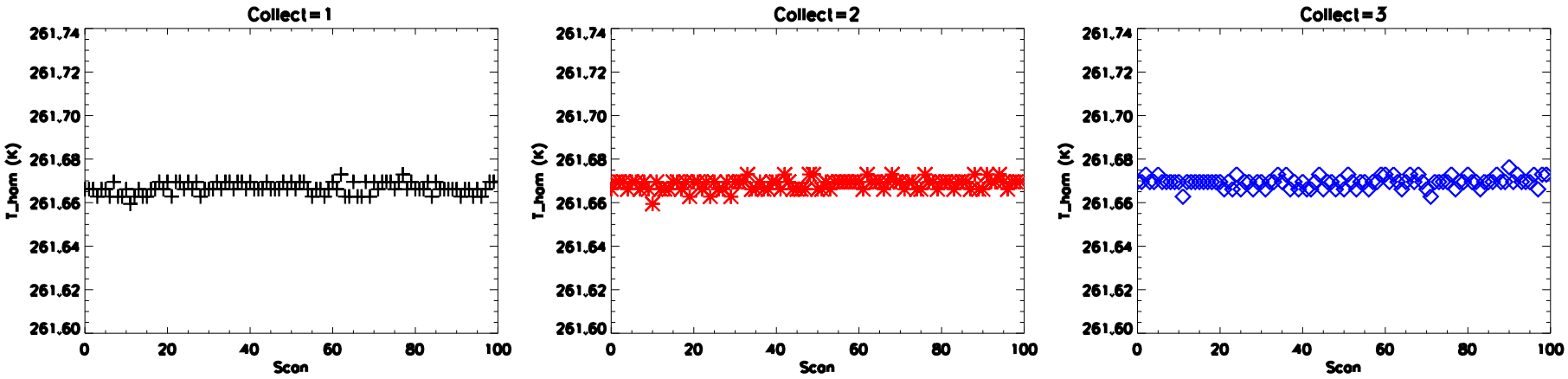
# T_cav vs Scan


Collect = 1
Collect = 2
Collect = 3
T_cav (K)
Scan
252.60
252.58
252.56
252.54
252.52
252.50
252.48
252.46
252.65
252.60
252.55
252.50
252.45
0
20
40
60
80
100

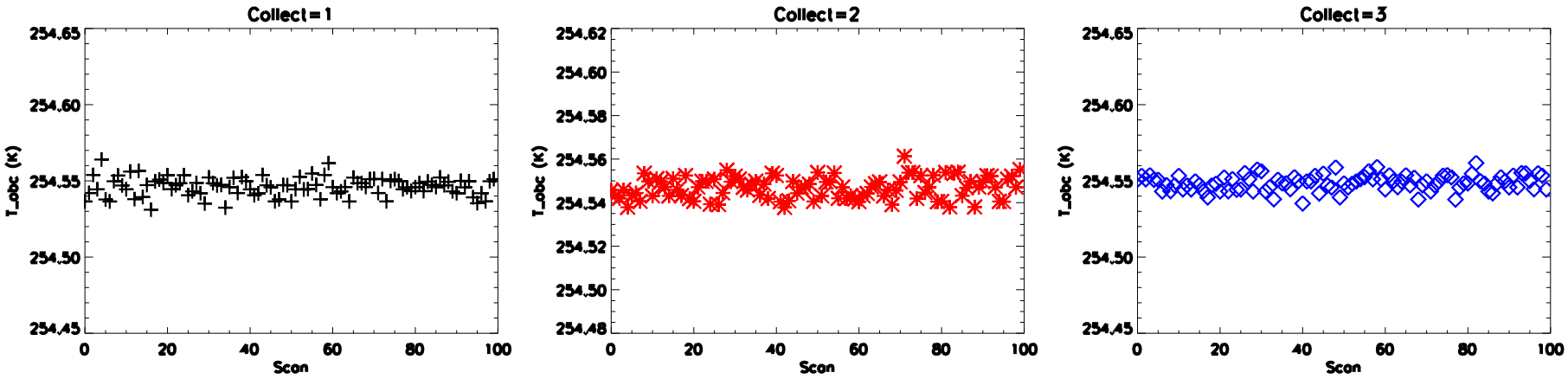
# T_sh vs Scan

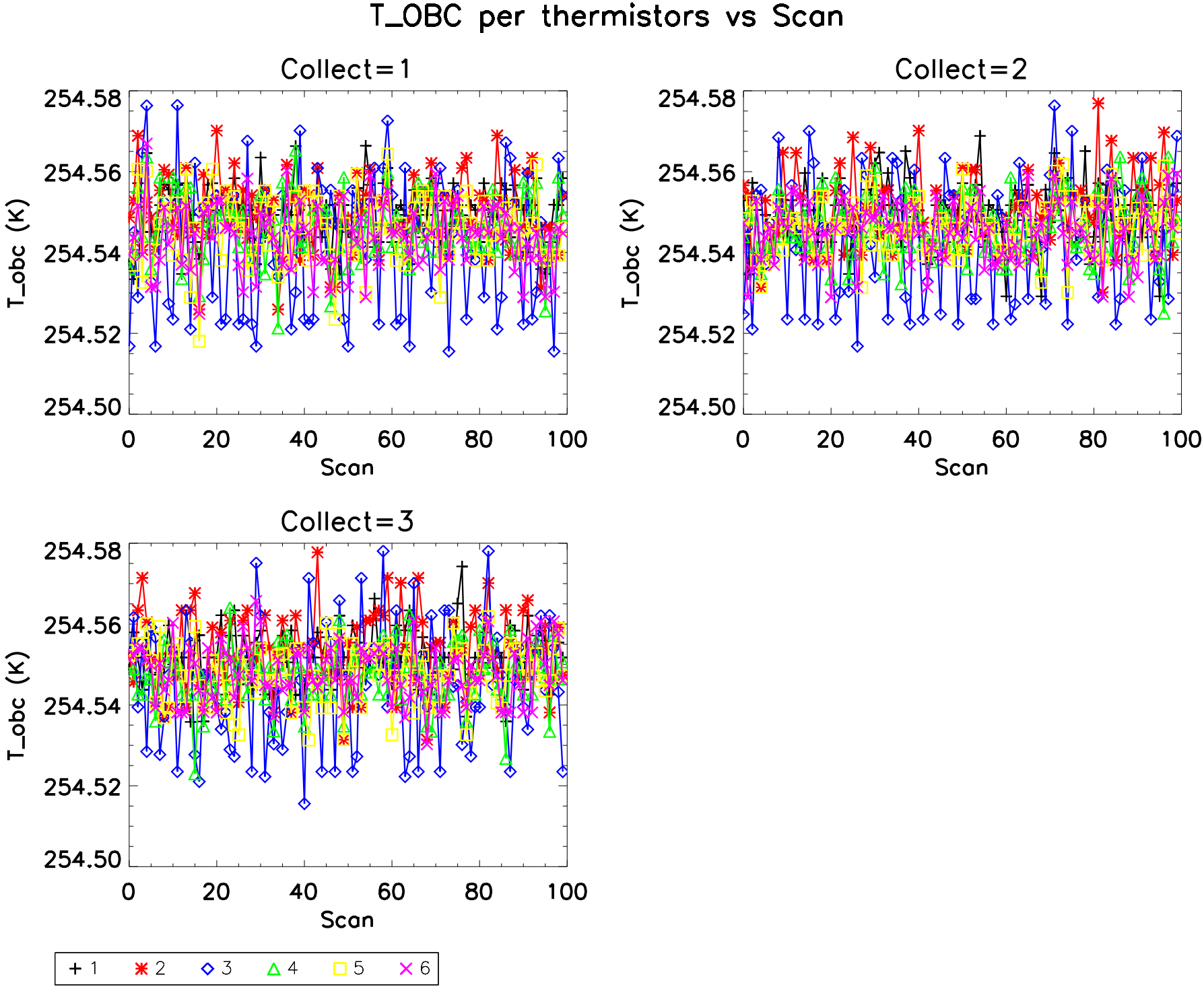

Collect = 1
Collect = 2
Collect = 3
T_sh (K)
Scan
249.26
249.28
249.30
249.32
249.34
249.36
249.38
249.40
0
20
40
60
80
100

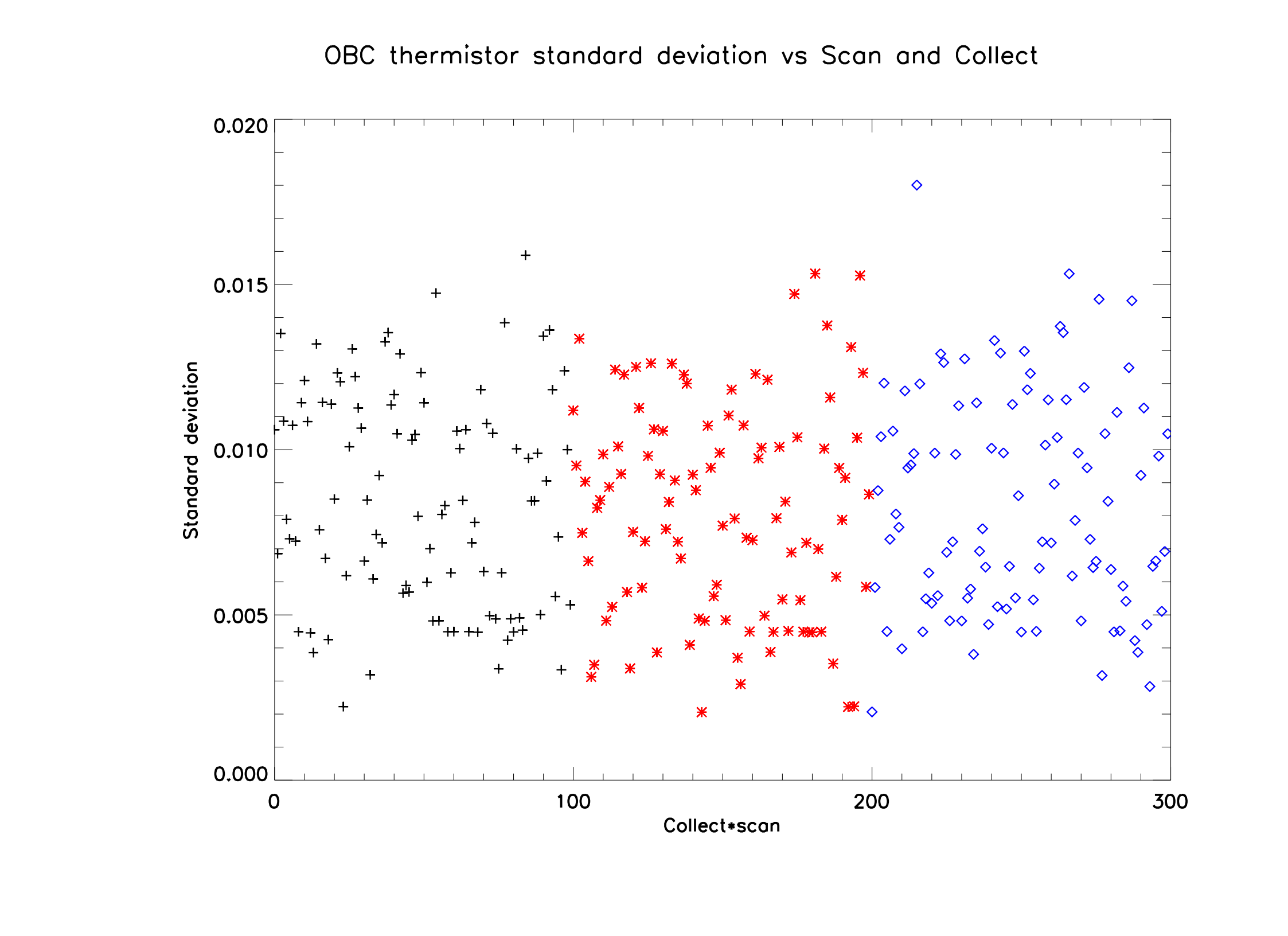
# T_ham vs Scan

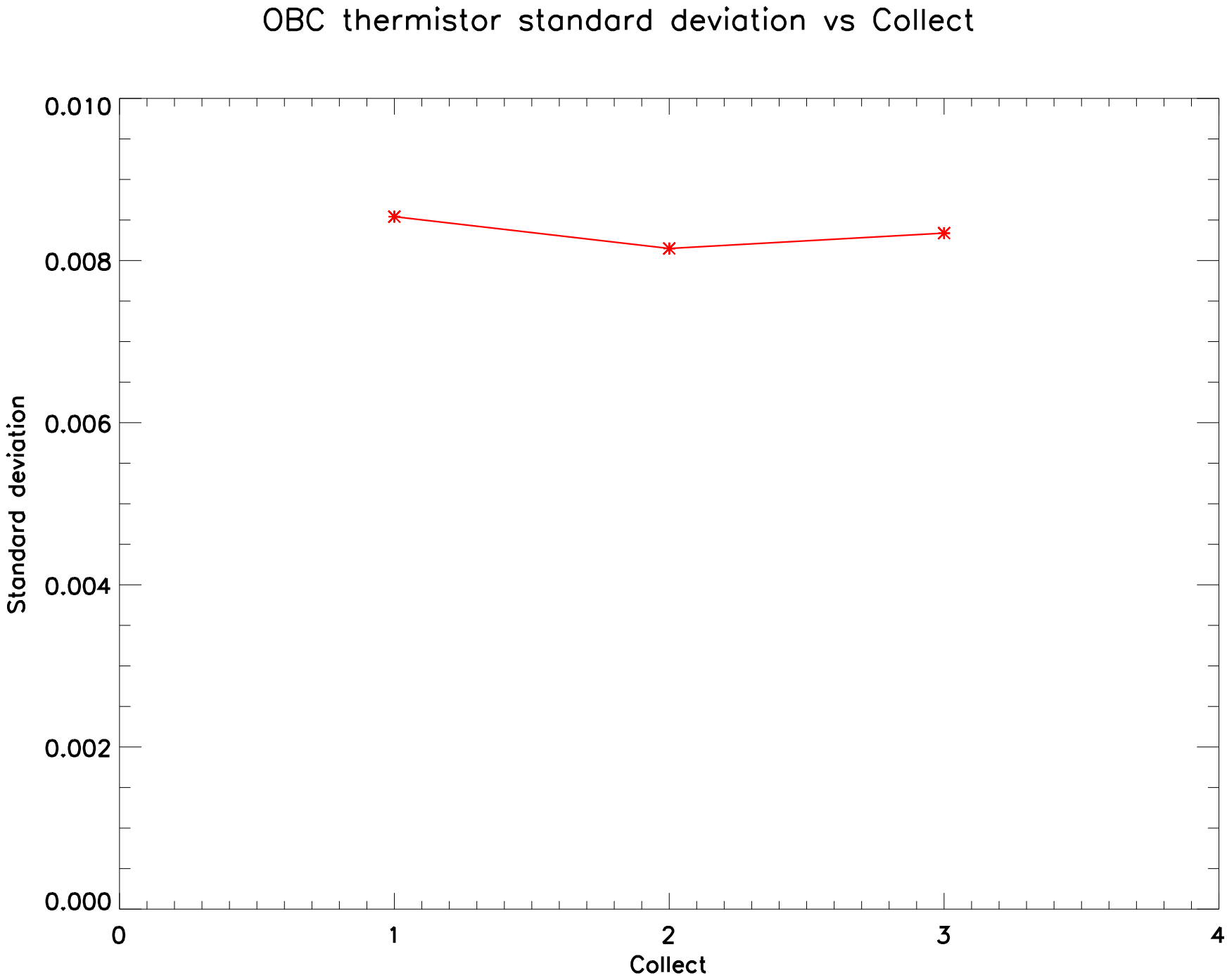

Collect = 1
Collect = 2
Collect = 3
T_ham (K)
Scan
261.74
261.72
261.70
261.68
261.66
261.64
261.62
261.60
0
20
40
60
80
100

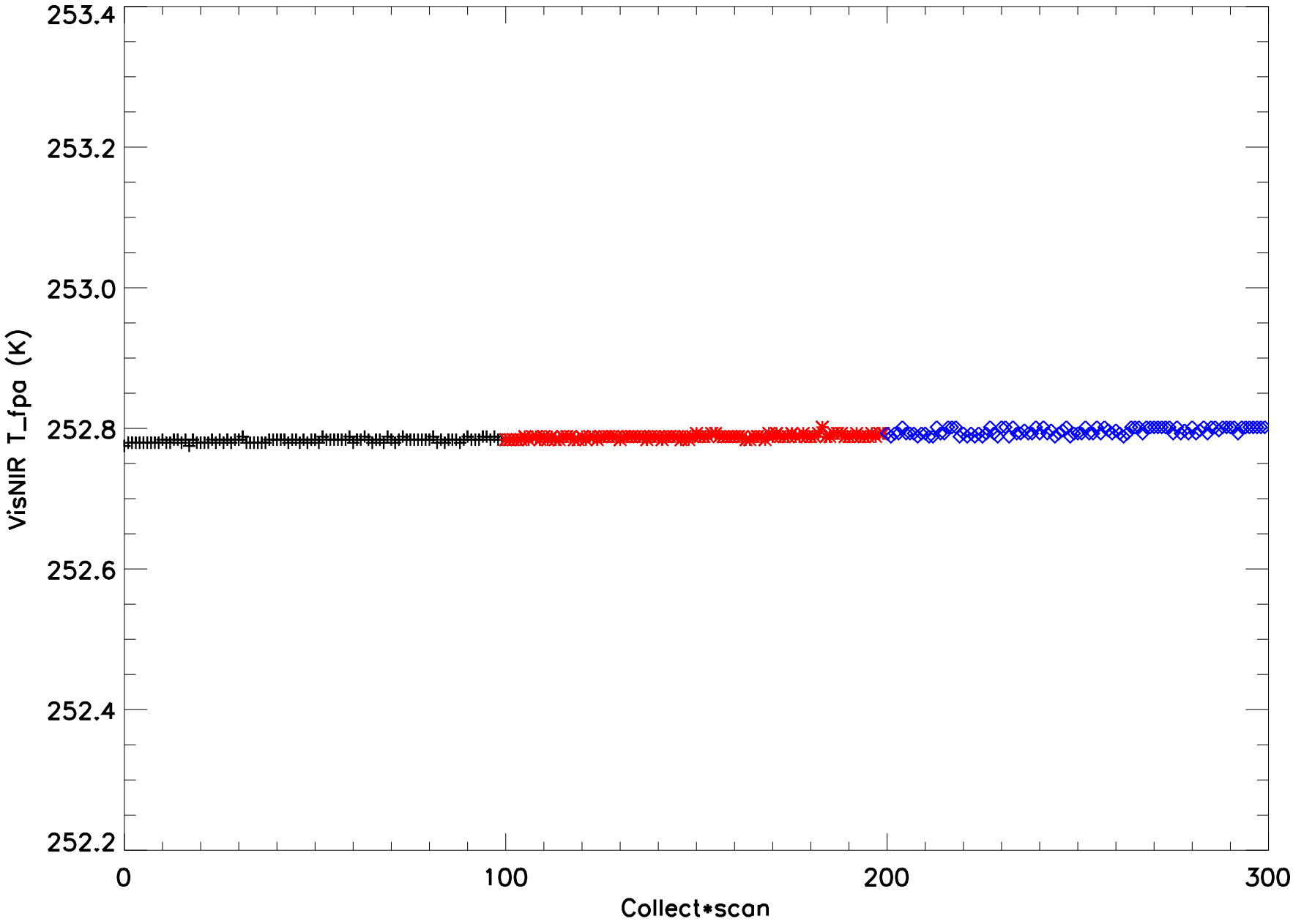
# T_obc vs Scan

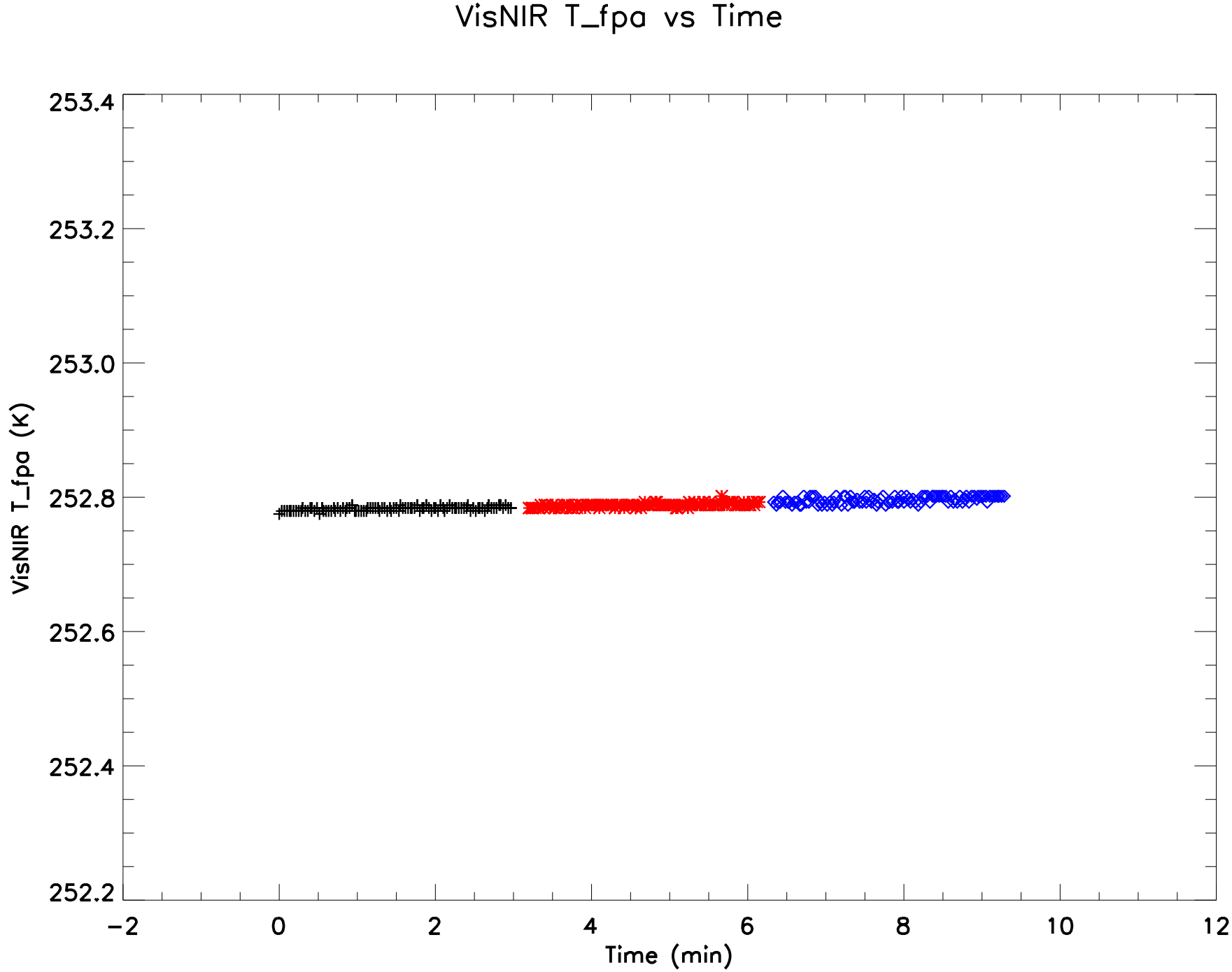

Collect = 1
Collect = 2
Collect = 3
T_obc (K)
Scan
254.65
254.60
254.55
254.50
254.45
254.62
254.58
254.56
254.54
254.52
254.48
0
20
40
60
80
100


T_OBC per thermistors vs Scan
Collect=1
Collect=2
Collect=3
T_obc (K)
Scan
254.58
254.56
254.54
254.52
254.50
0
20
40
60
80
100
1
2
3
4
5
6

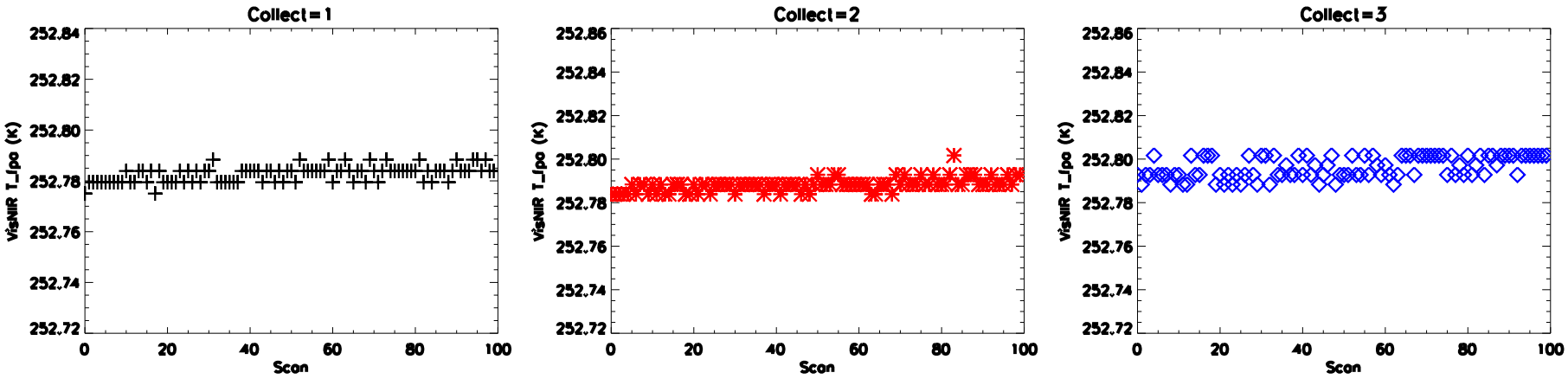

OBC thermistor standard deviation vs Scan and Collect
Standard deviation
0.020
0.015
0.010
0.005
0.000
0
100
200
300
Collect*scan

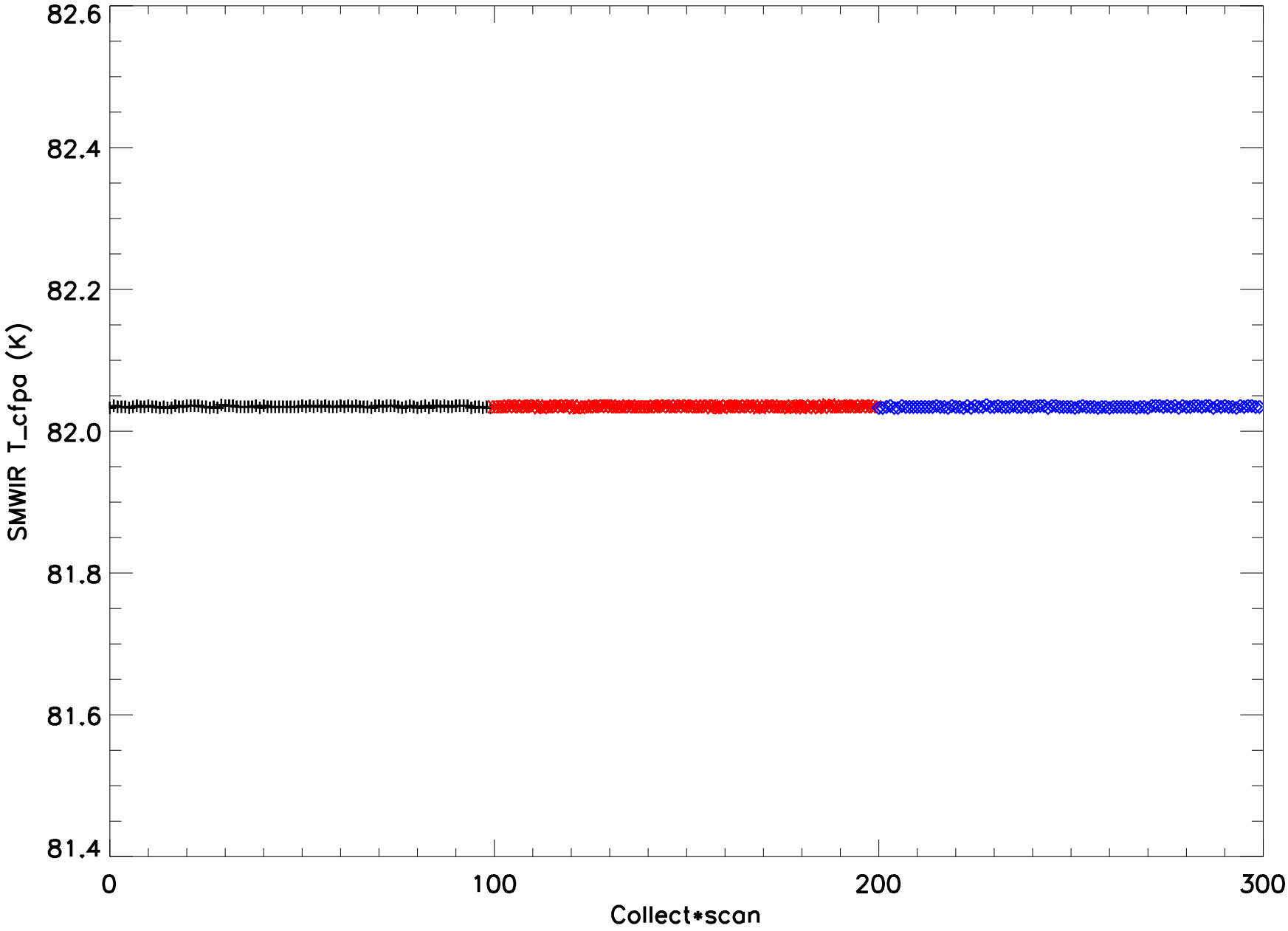

OBC thermistor standard deviation vs Collect
0.010
0.008
0.006
0.004
0.002
0.000
Standard deviation
0
1
2
3
4
Collect

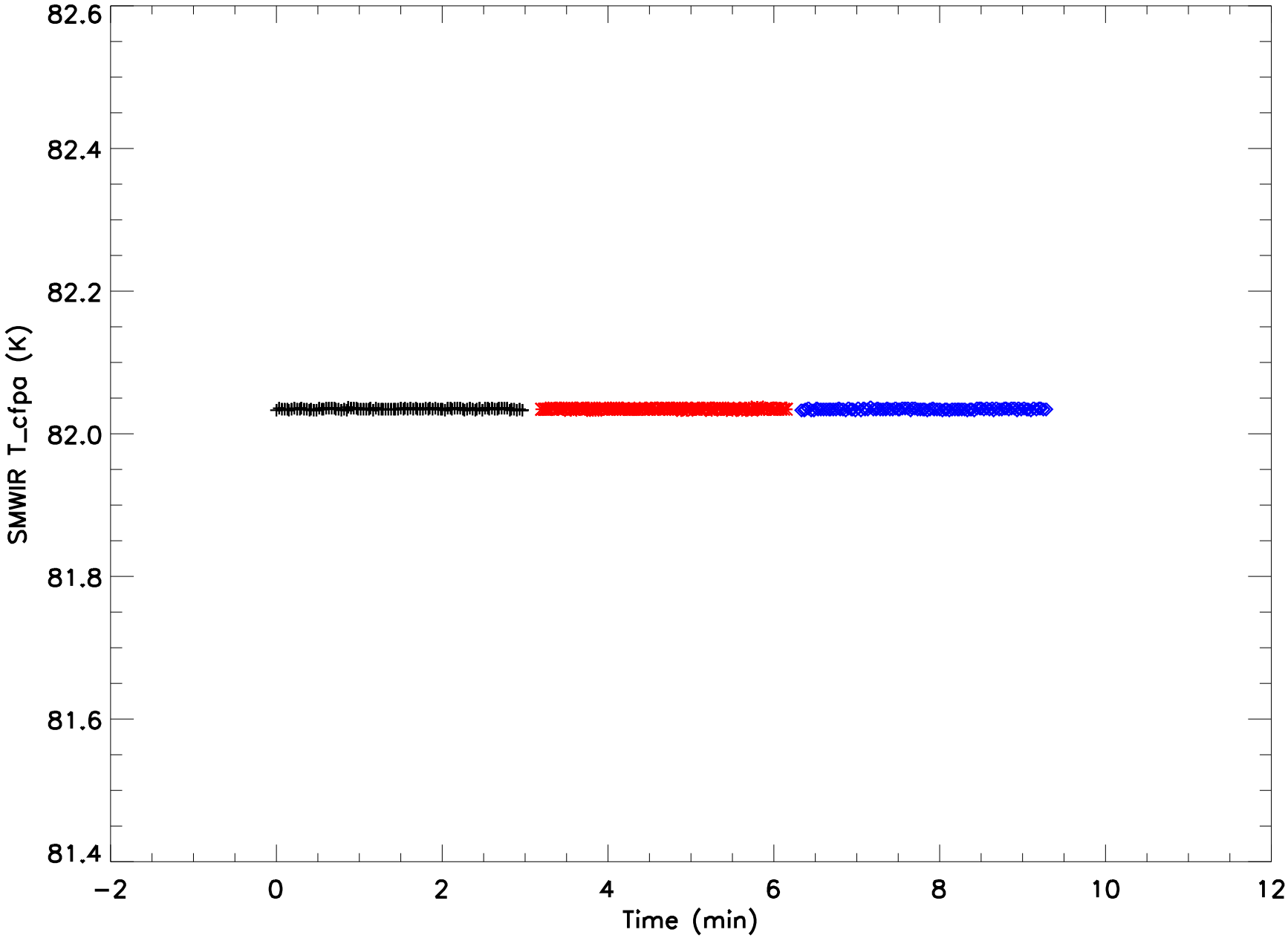

VisNIR T_fpa vs Scan and Collect
253.4
253.2
253.0
252.8
252.6
252.4
252.2
VisNIR T_fpa (K)
0
100
200
300
Collect*scan


VisNIR T_fpa vs Time
VisNIR T_fpa (K)
253.4
253.2
253.0
252.8
252.6
252.4
252.2
−2
0
2
4
6
8
10
12
Time (min)

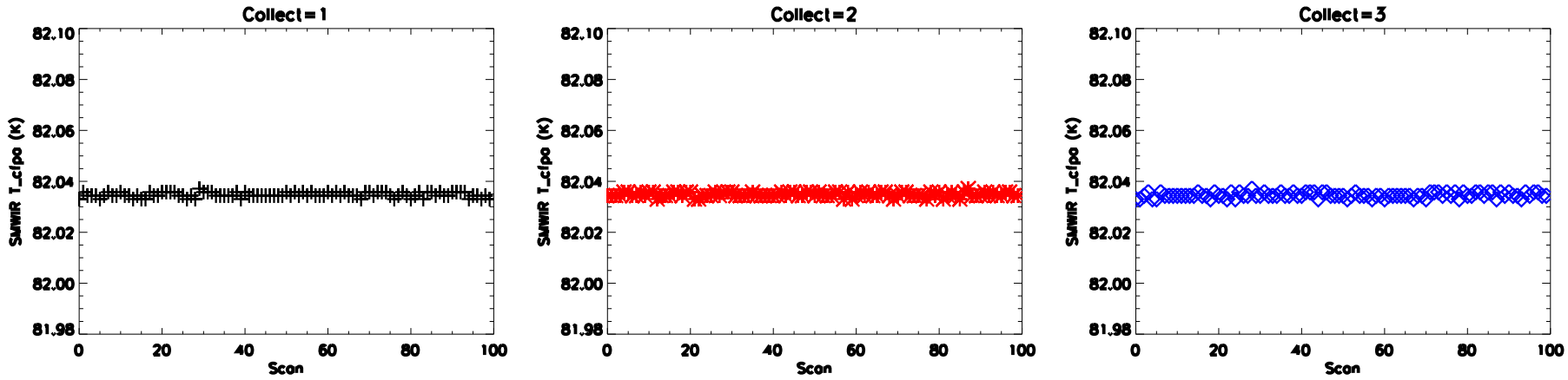
# VisNIR T_fpa vs Scan

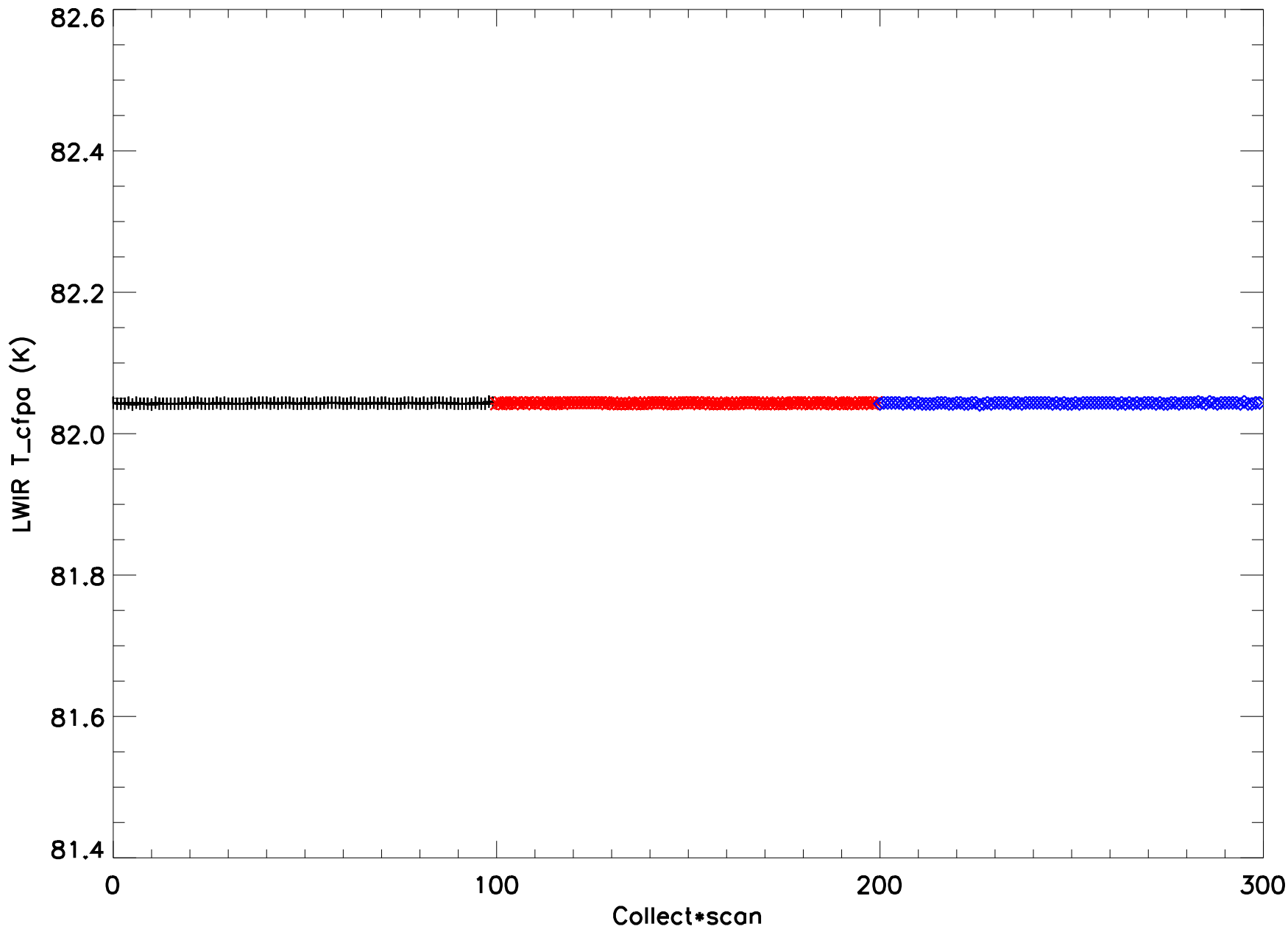


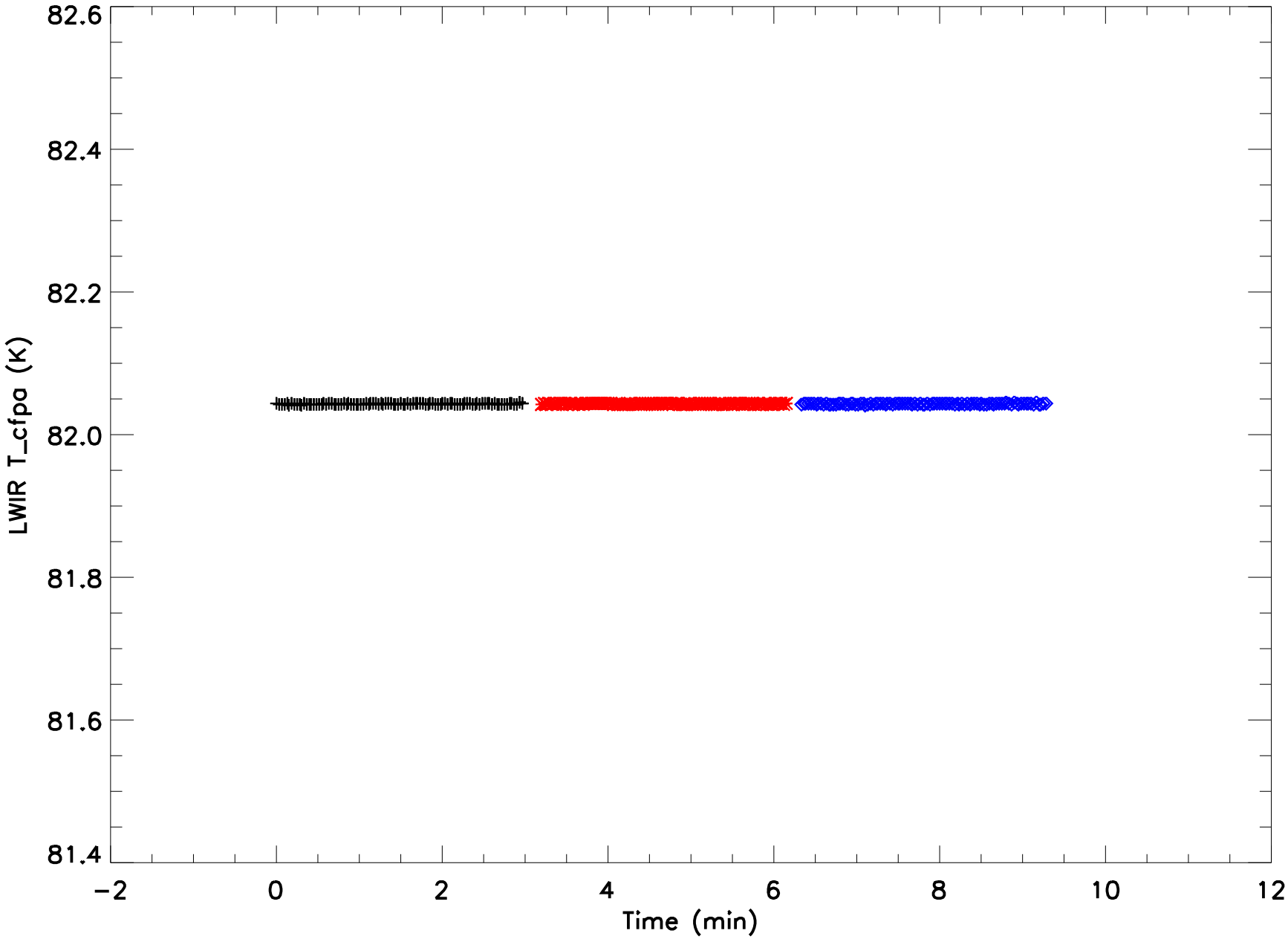

SMWIR T_cfpa vs Scan and Collect
82.6
82.4
82.2
82.0
81.8
81.6
81.4
SMWIR T_cfpa (K)
0
100
200
300
Collect*scan


SMWIR T_cfpa vs Time
SMWIR T_cfpa (K)
82.6
82.4
82.2
82.0
81.8
81.6
81.4
−2
0
2
4
6
8
10
12
Time (min)

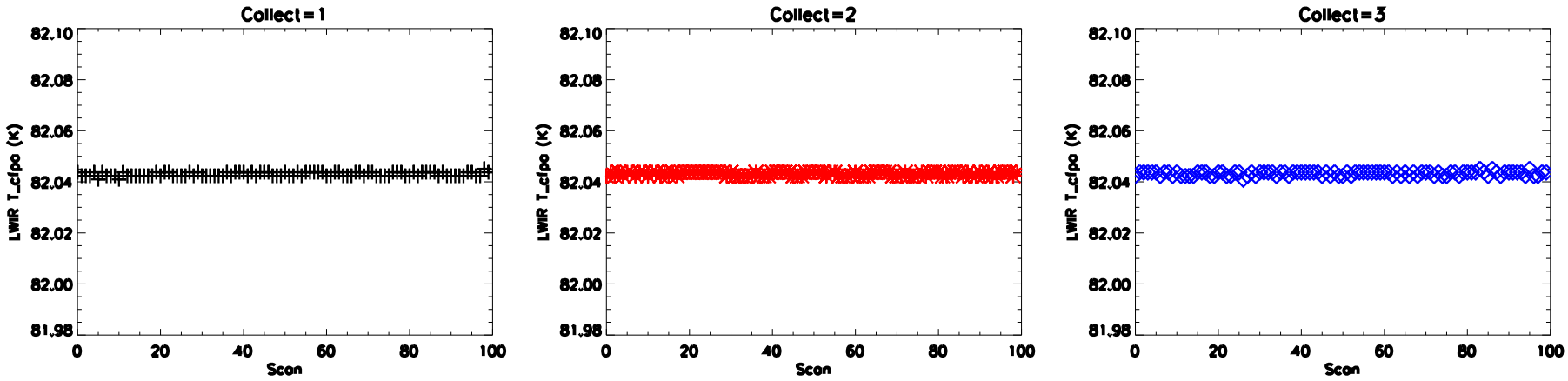
# SMWIR T_cfpa vs Scan

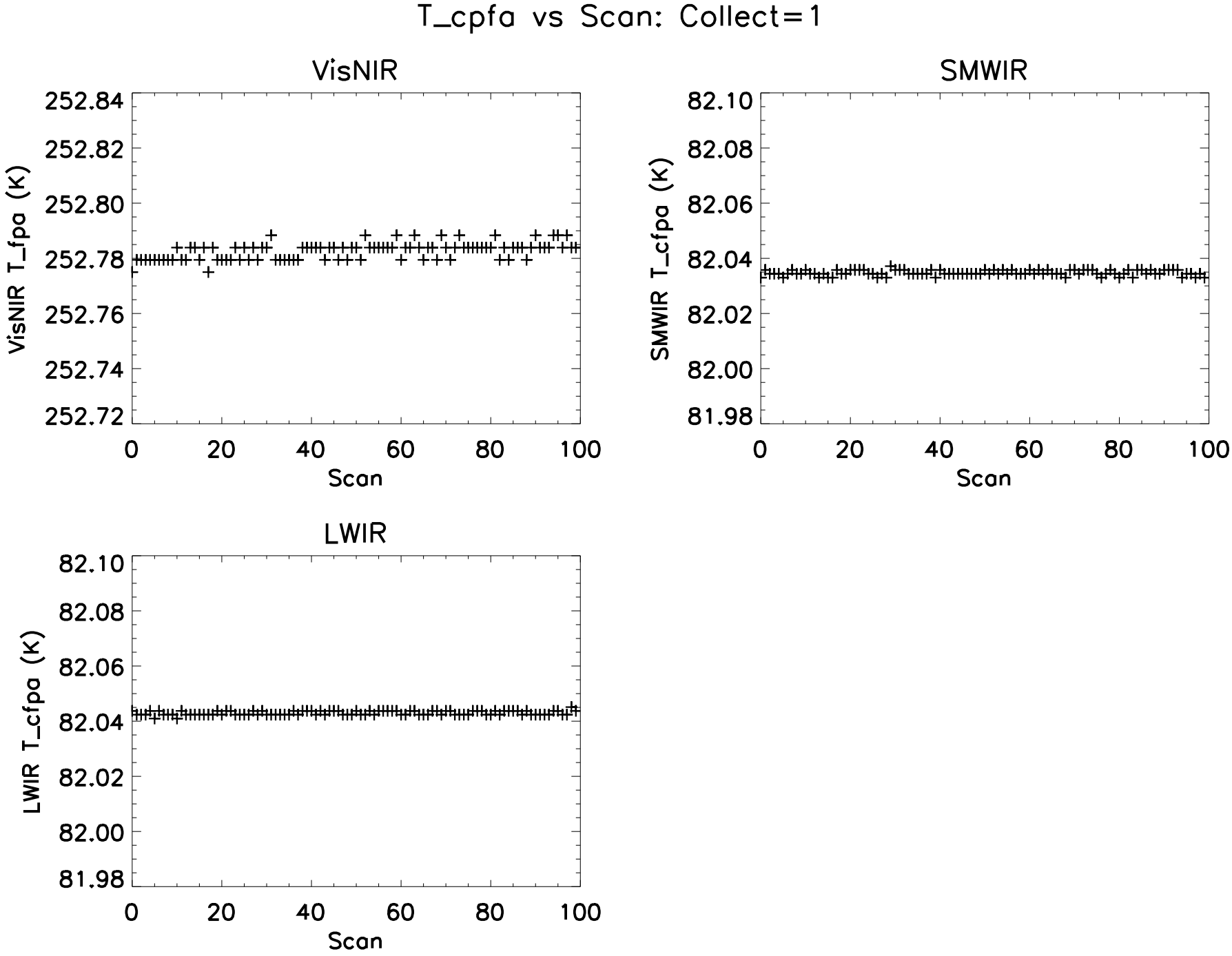


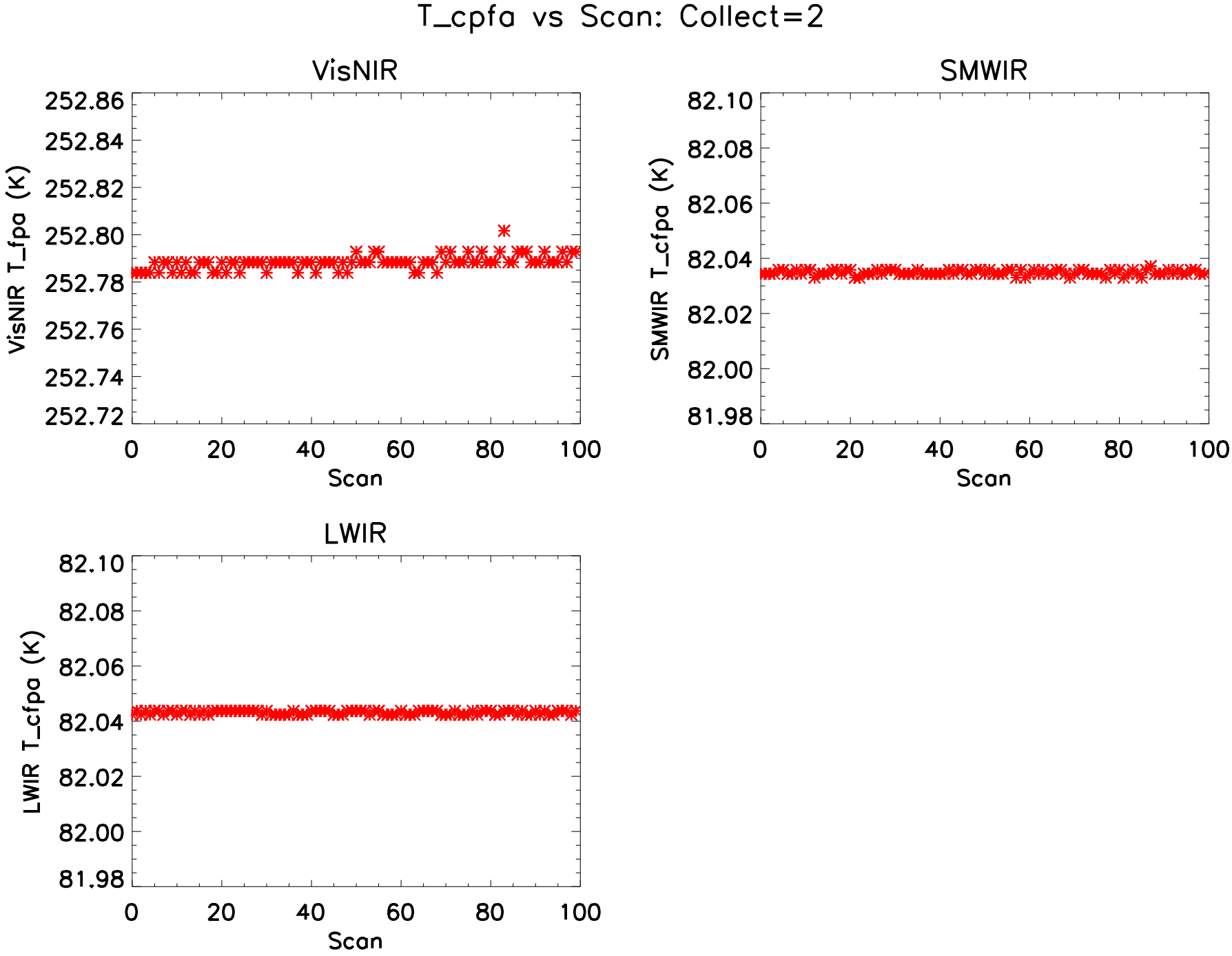

LWIR T_cfpa vs Scan and Collect
LWIR T_cfpa (K)
82.6
82.4
82.2
82.0
81.8
81.6
81.4
0
100
200
300
Collect*scan

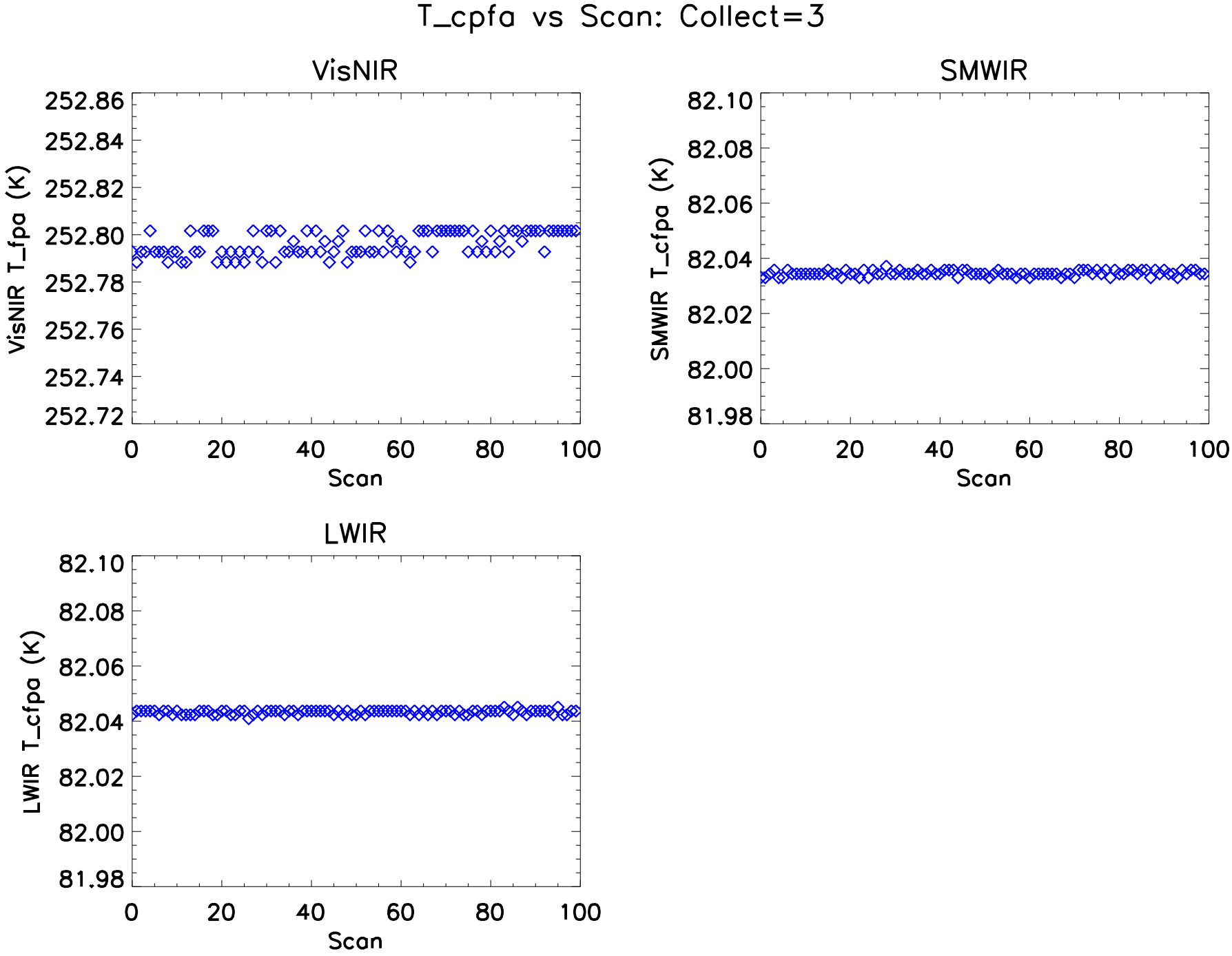

LWIR T_cfpa vs Time
LWIR T_cfpa (K)
82.6
82.4
82.2
82.0
81.8
81.6
81.4
−2
0
2
4
6
8
10
12
Time (min)

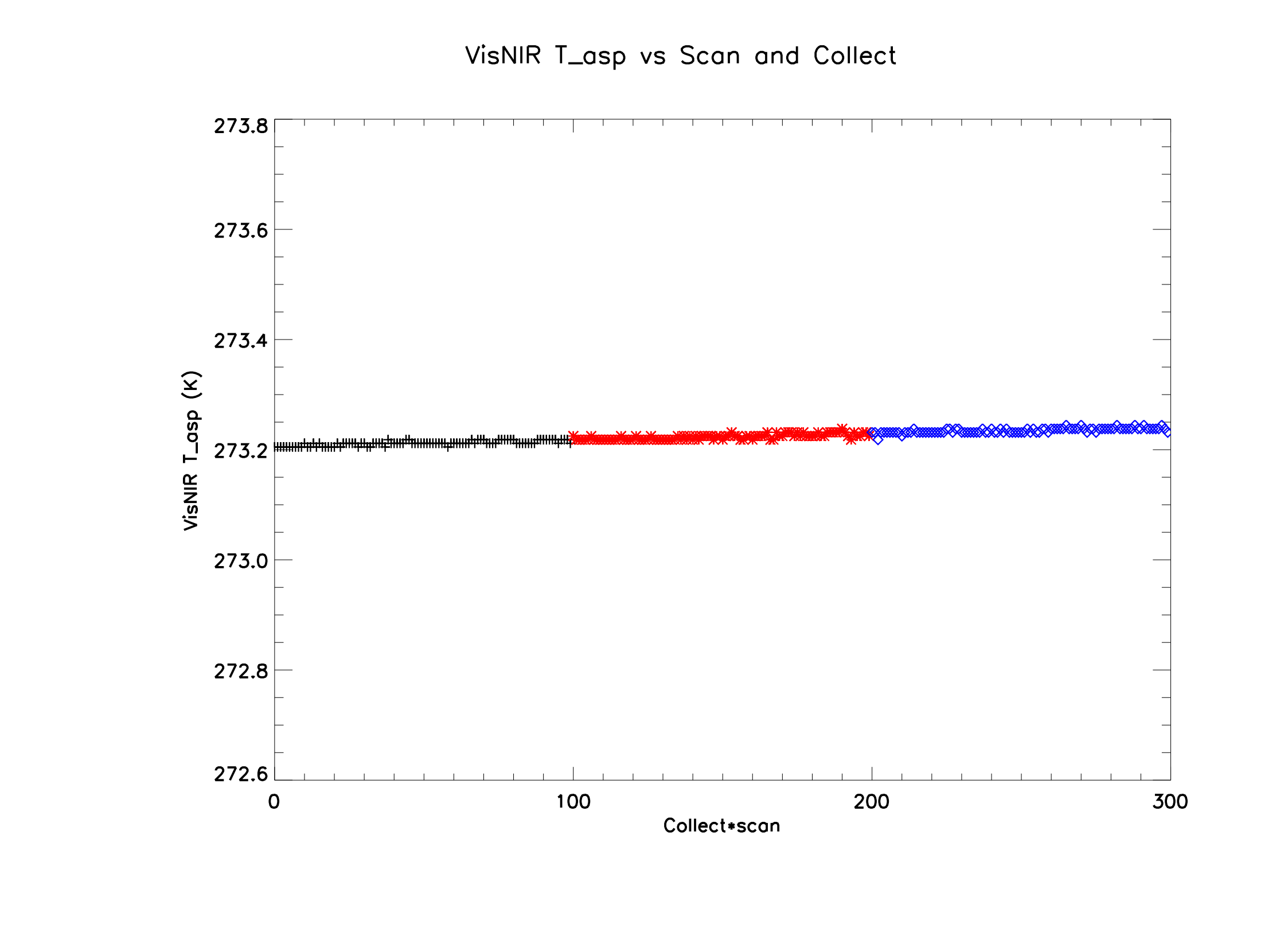
# LWIR T_cfpa vs Scan

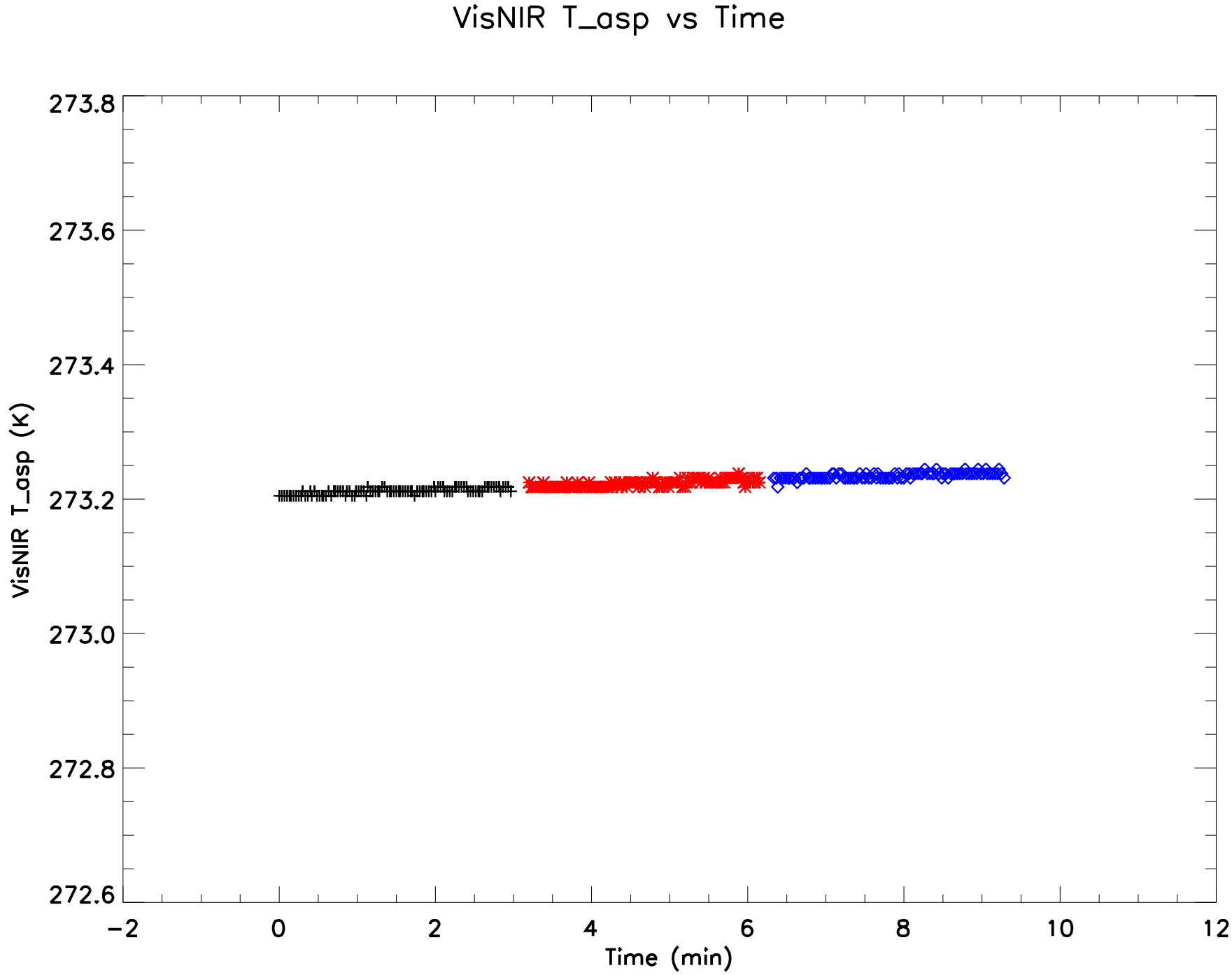



T_cpfa vs Scan: Collect=1
VisNIR
VisNIR T_fpa (K)
252.84
252.82
252.80
252.78
252.76
252.74
252.72
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
20
40
60
80
100
Scan

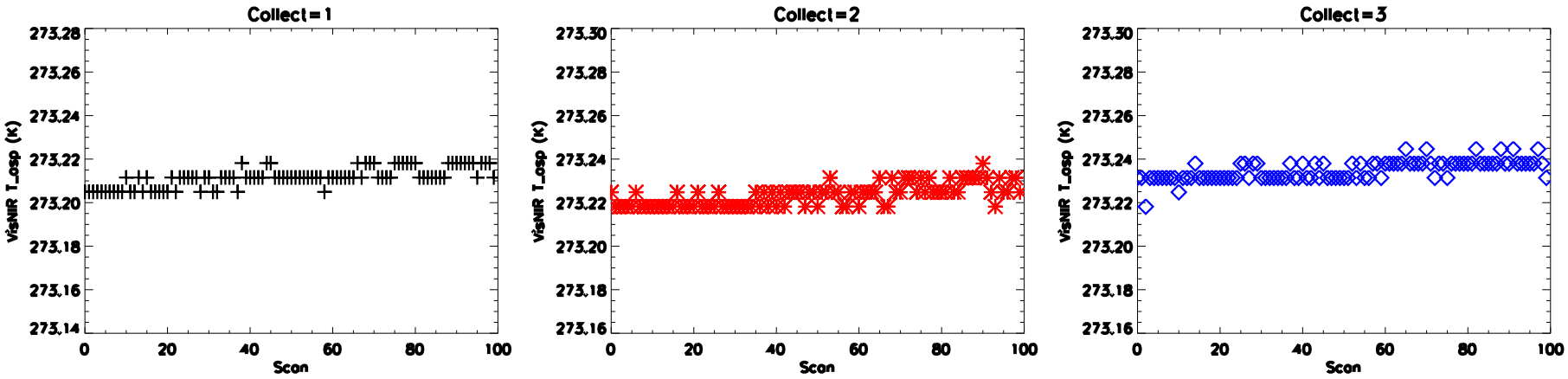

T_cpfa vs Scan: Collect=2
VisNIR
VisNIR T_fpa (K)
252.86
252.84
252.82
252.80
252.78
252.76
252.74
252.72
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
20
40
60
80
100
Scan

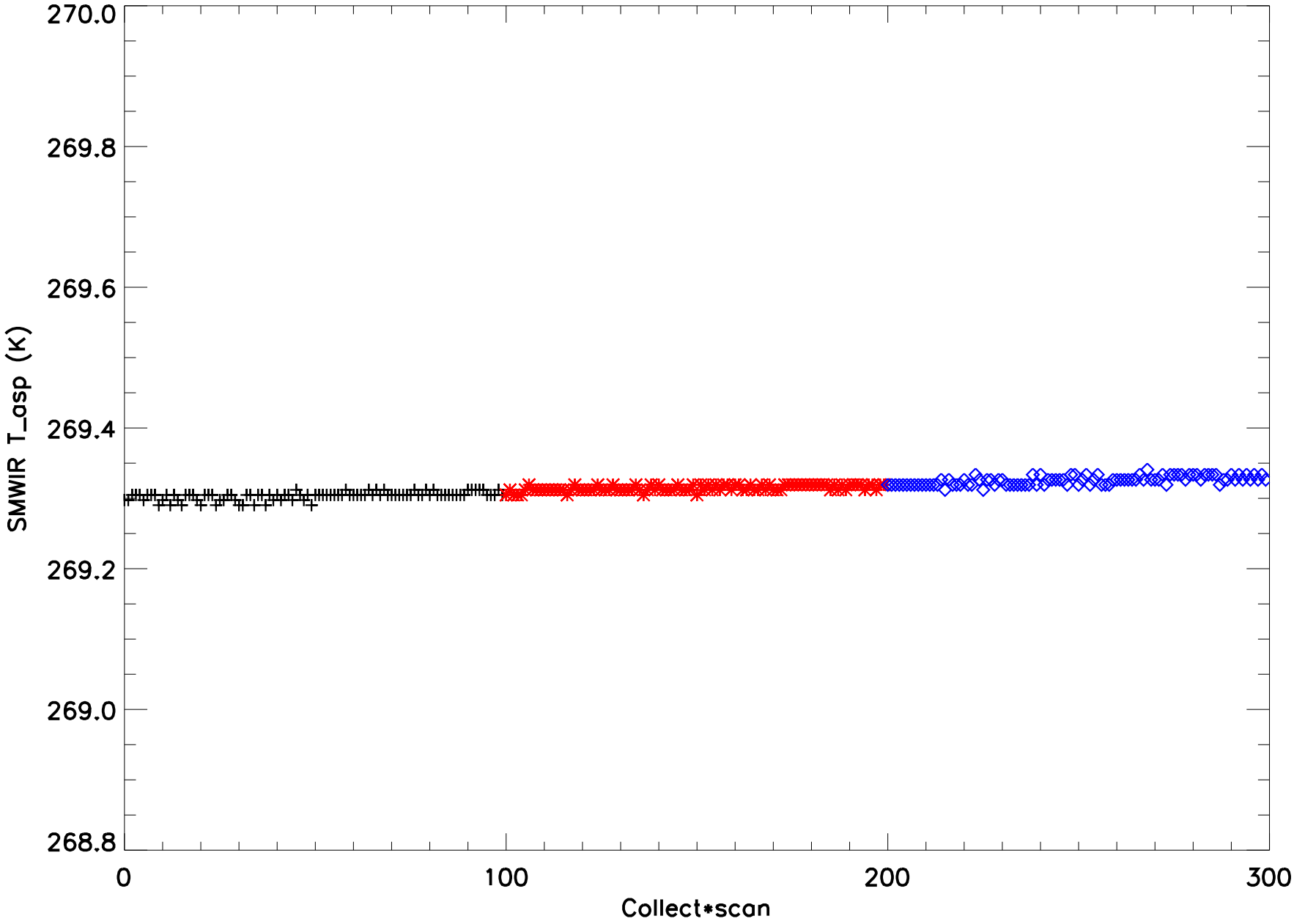

T_cpfa vs Scan: Collect=3
VisNIR
VisNIR T_fpa (K)
252.86
252.84
252.82
252.80
252.78
252.76
252.74
252.72
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
20
40
60
80
100
Scan

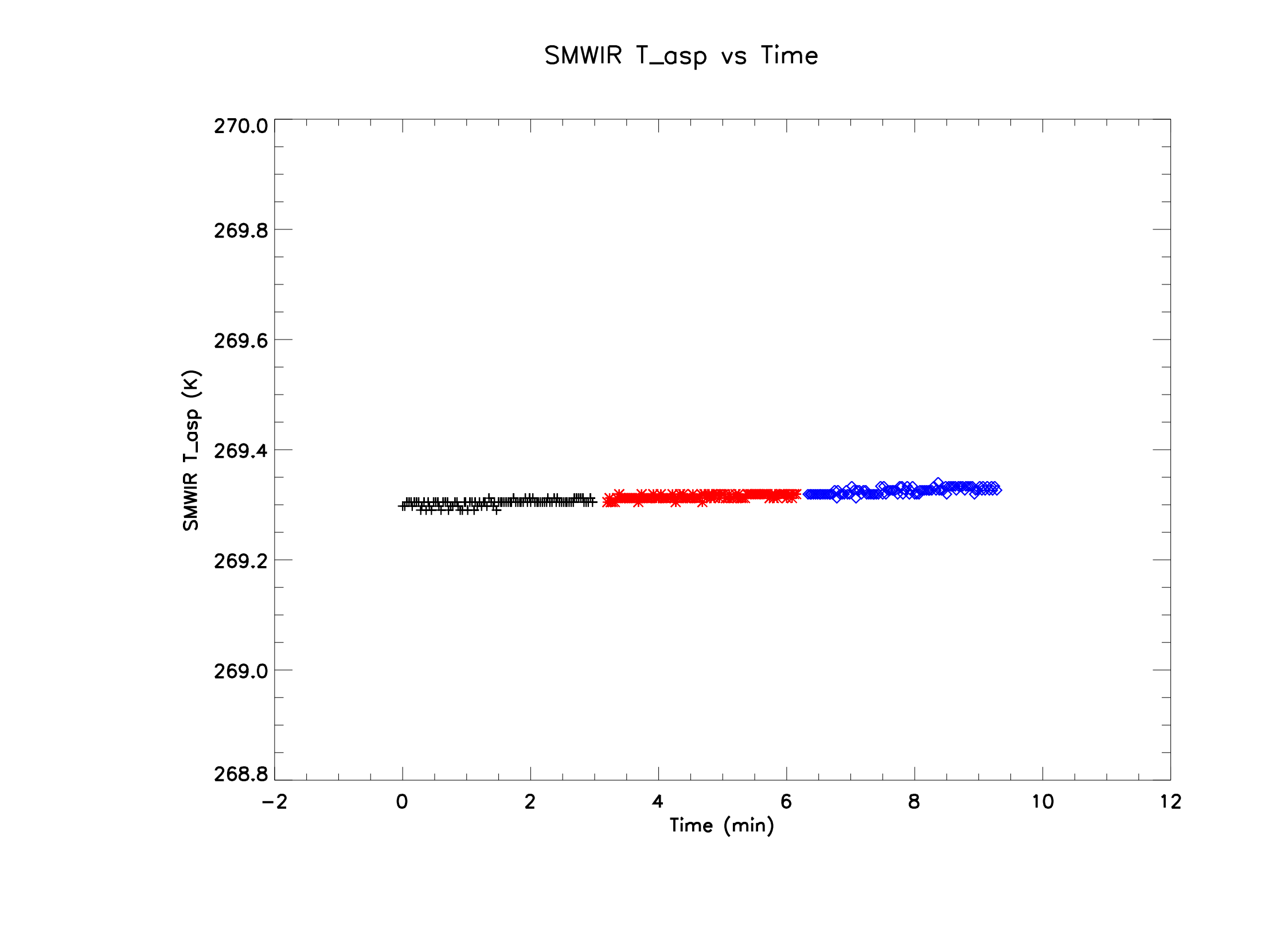

VisNIR T_asp vs Scan and Collect
273.8
273.6
273.4
273.2
273.0
272.8
272.6
VisNIR T_asp (K)
0
100
200
300
Collect*scan


VisNIR T_asp vs Time
VisNIR T_asp (K)
273.8
273.6
273.4
273.2
273.0
272.8
272.6
−2
0
2
4
6
8
10
12
Time (min)

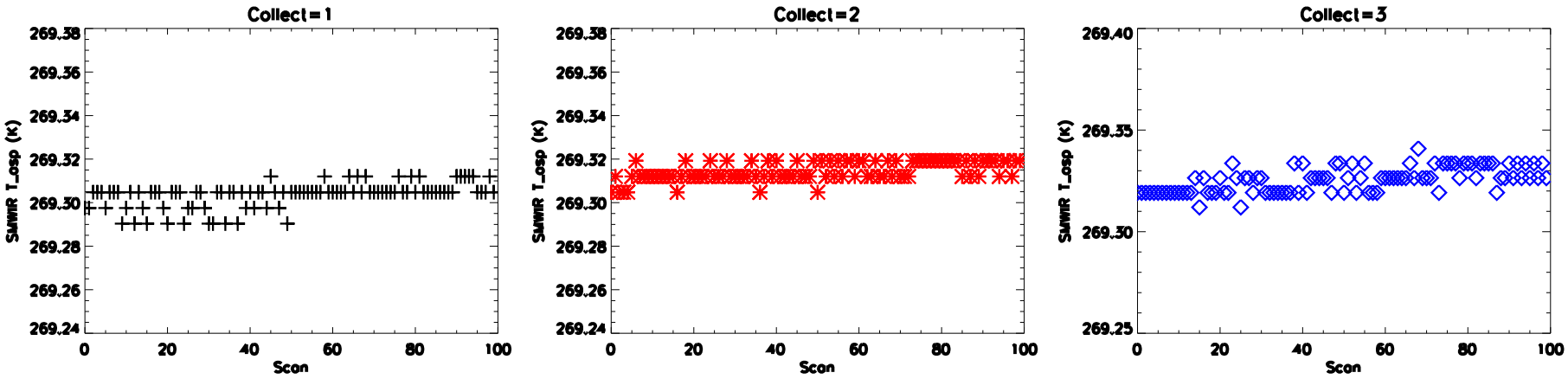
# VisNIR T_asp vs Scan

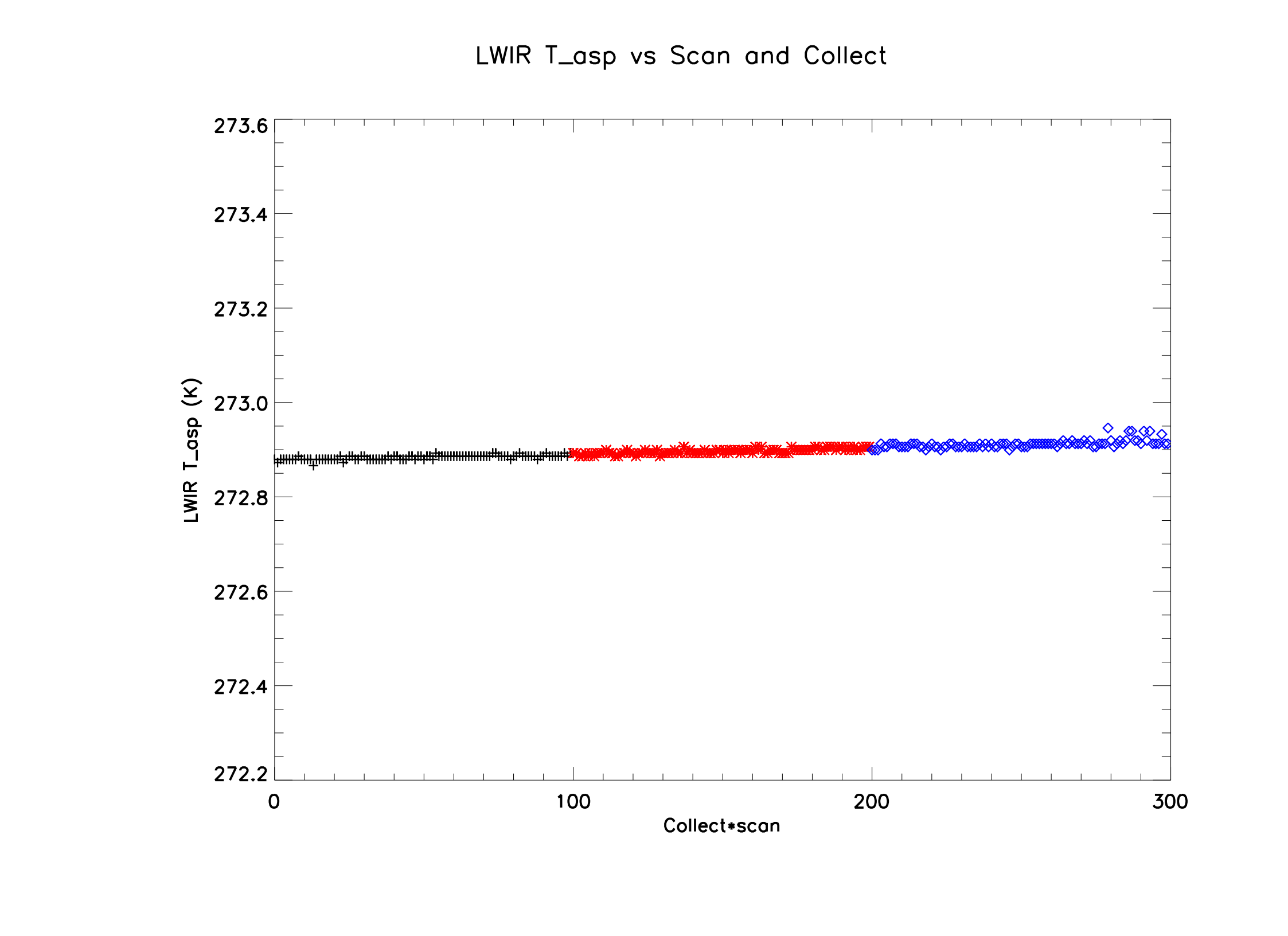


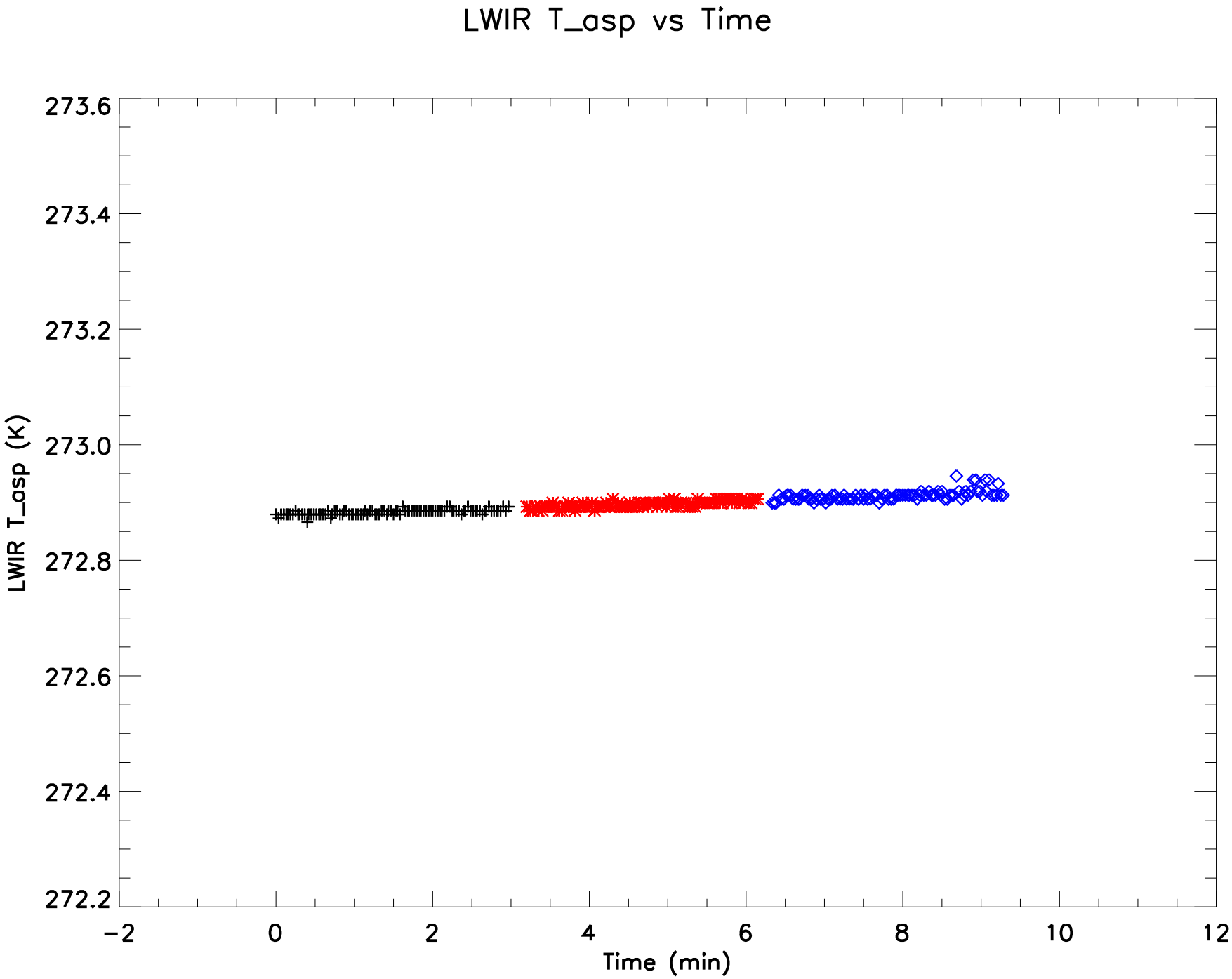

SMWIR T_asp vs Scan and Collect
270.0
269.8
269.6
269.4
269.2
269.0
268.8
SMWIR T_asp (K)
0
100
200
300
Collect*scan


SMWIR T_asp vs Time
SMWIR T_asp (K)
270.0
269.8
269.6
269.4
269.2
269.0
268.8
−2
0
2
4
6
8
10
12
Time (min)

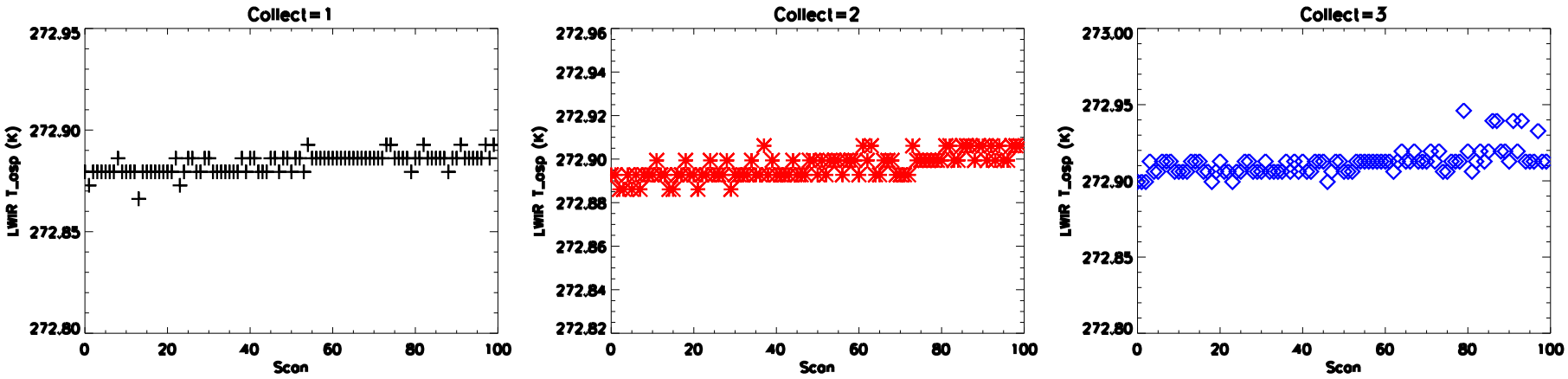
# SMWIR T_asp vs Scan

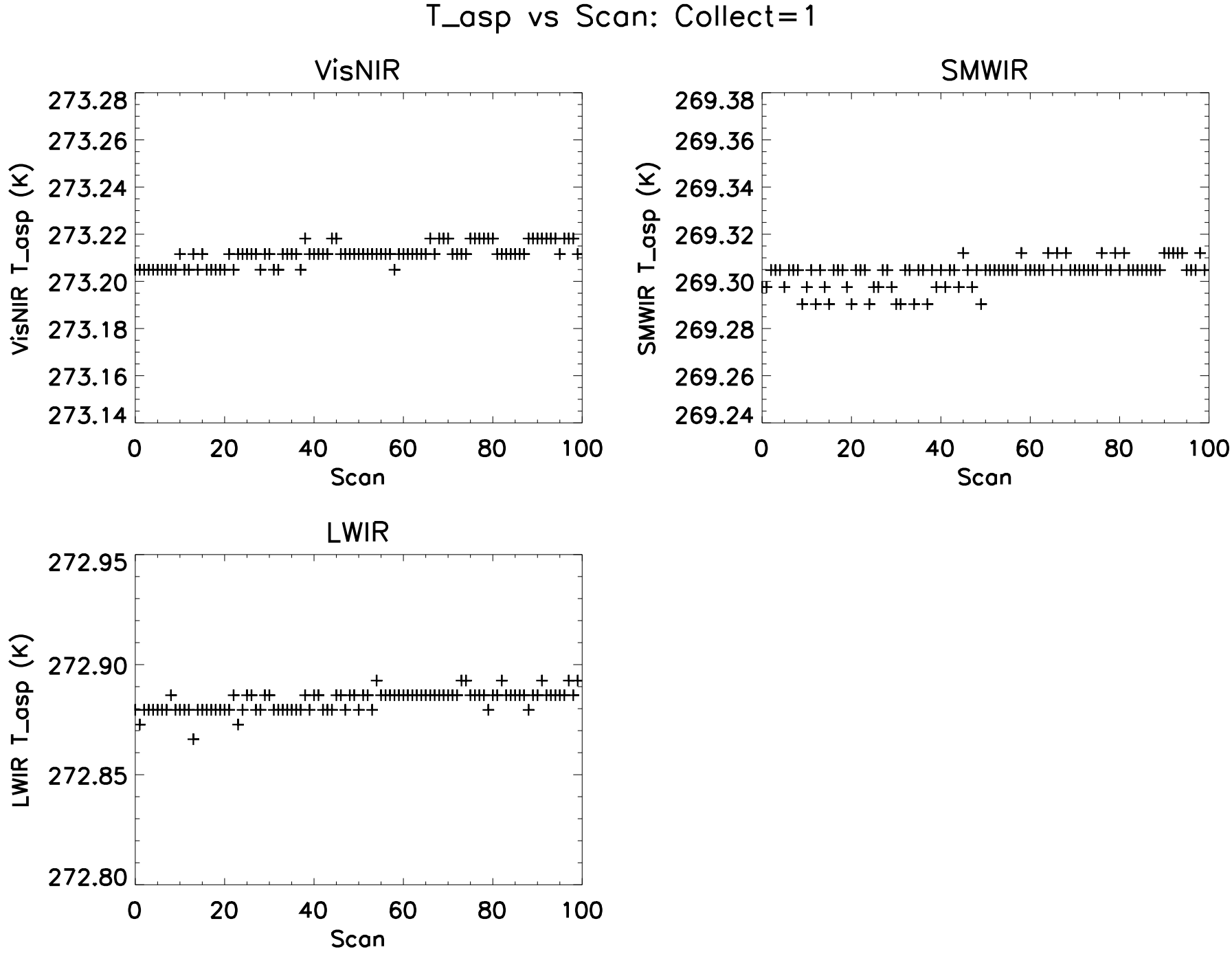


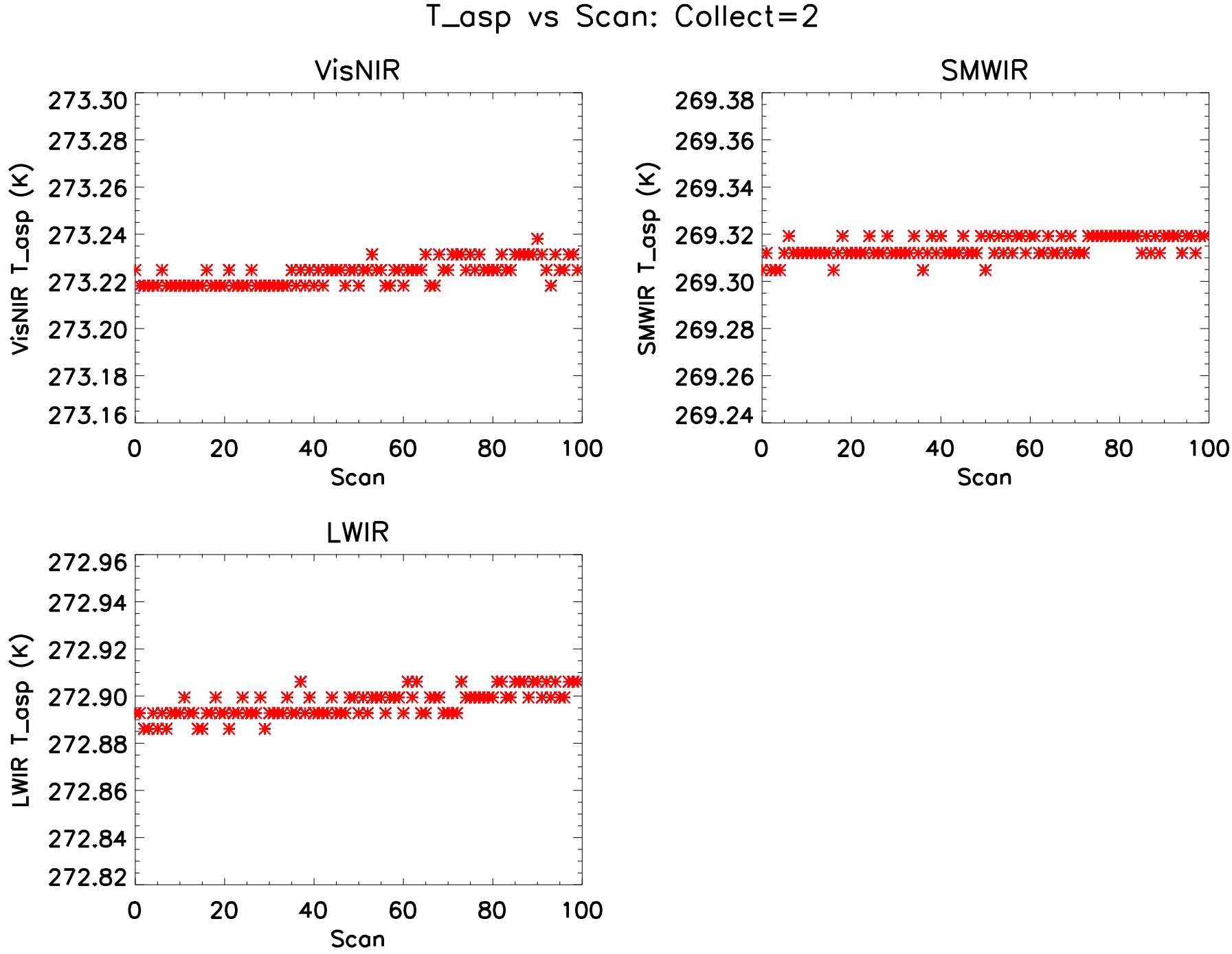

LWIR T_asp vs Scan and Collect
LWIR T_asp (K)
273.6
273.4
273.2
273.0
272.8
272.6
272.4
272.2
0
100
200
300
Collect*scan

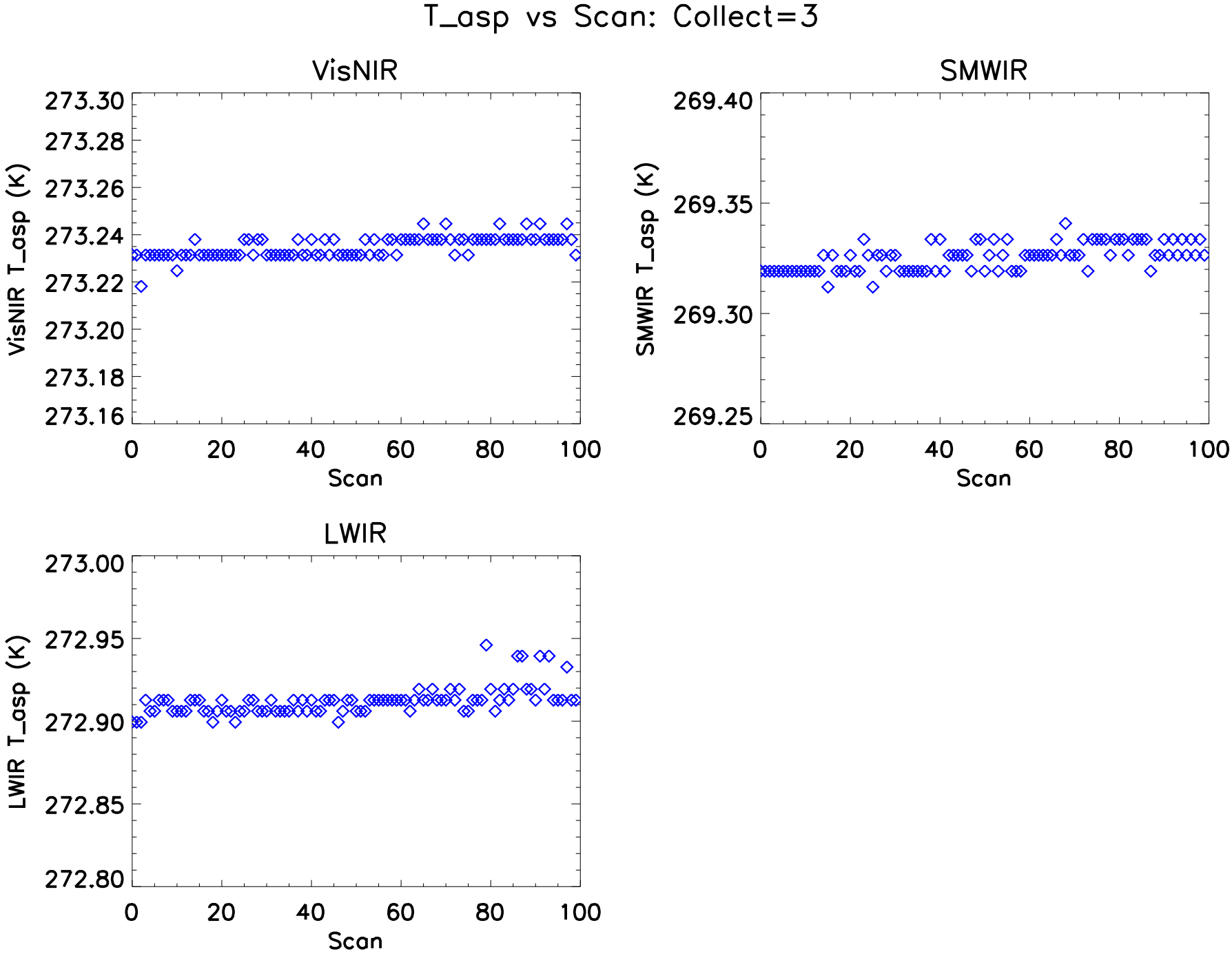

LWIR T_asp vs Time
LWIR T_asp (K)
273.6
273.4
273.2
273.0
272.8
272.6
272.4
272.2
−2
0
2
4
6
8
10
12
Time (min)

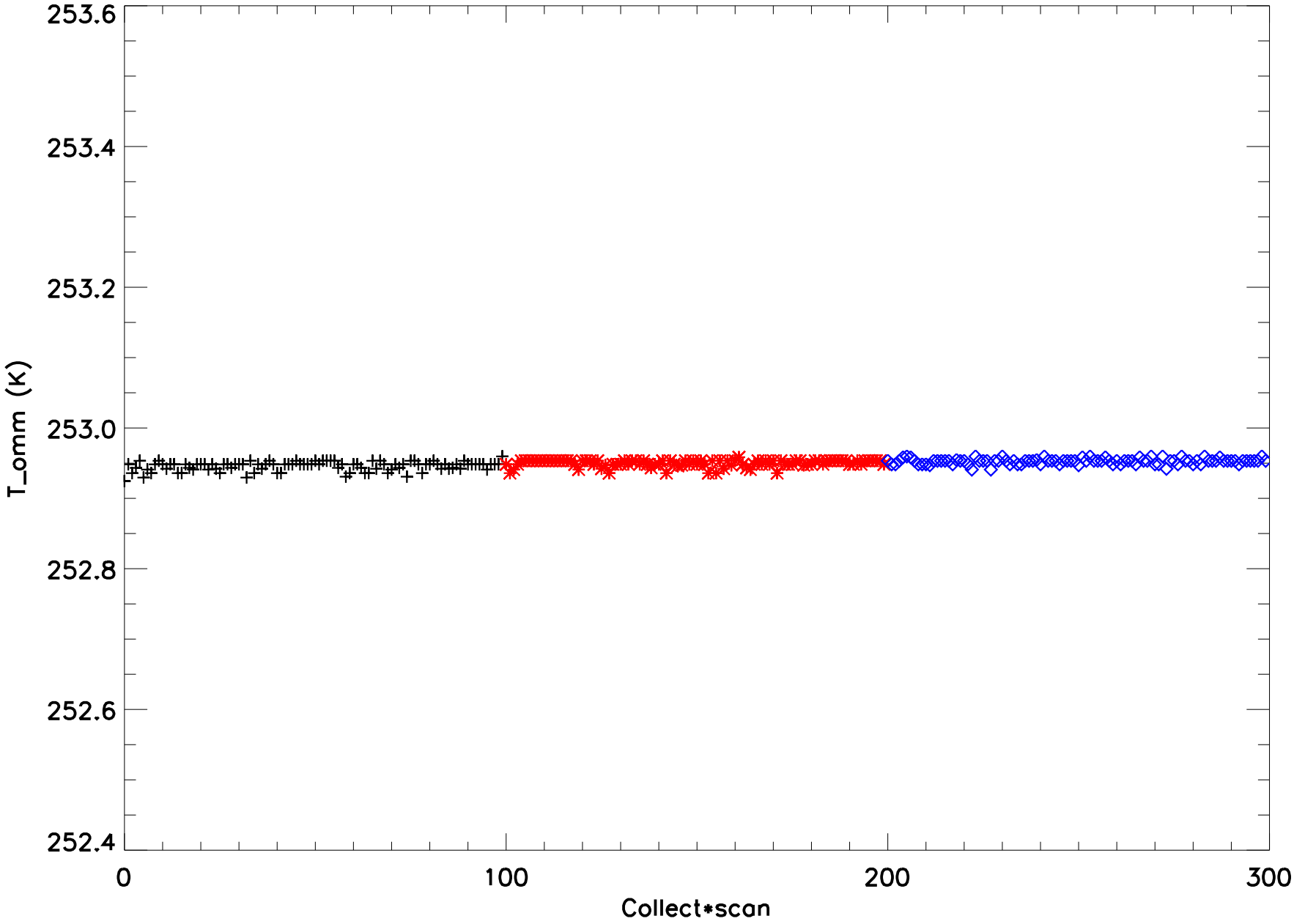
# LWIR T_asp vs Scan

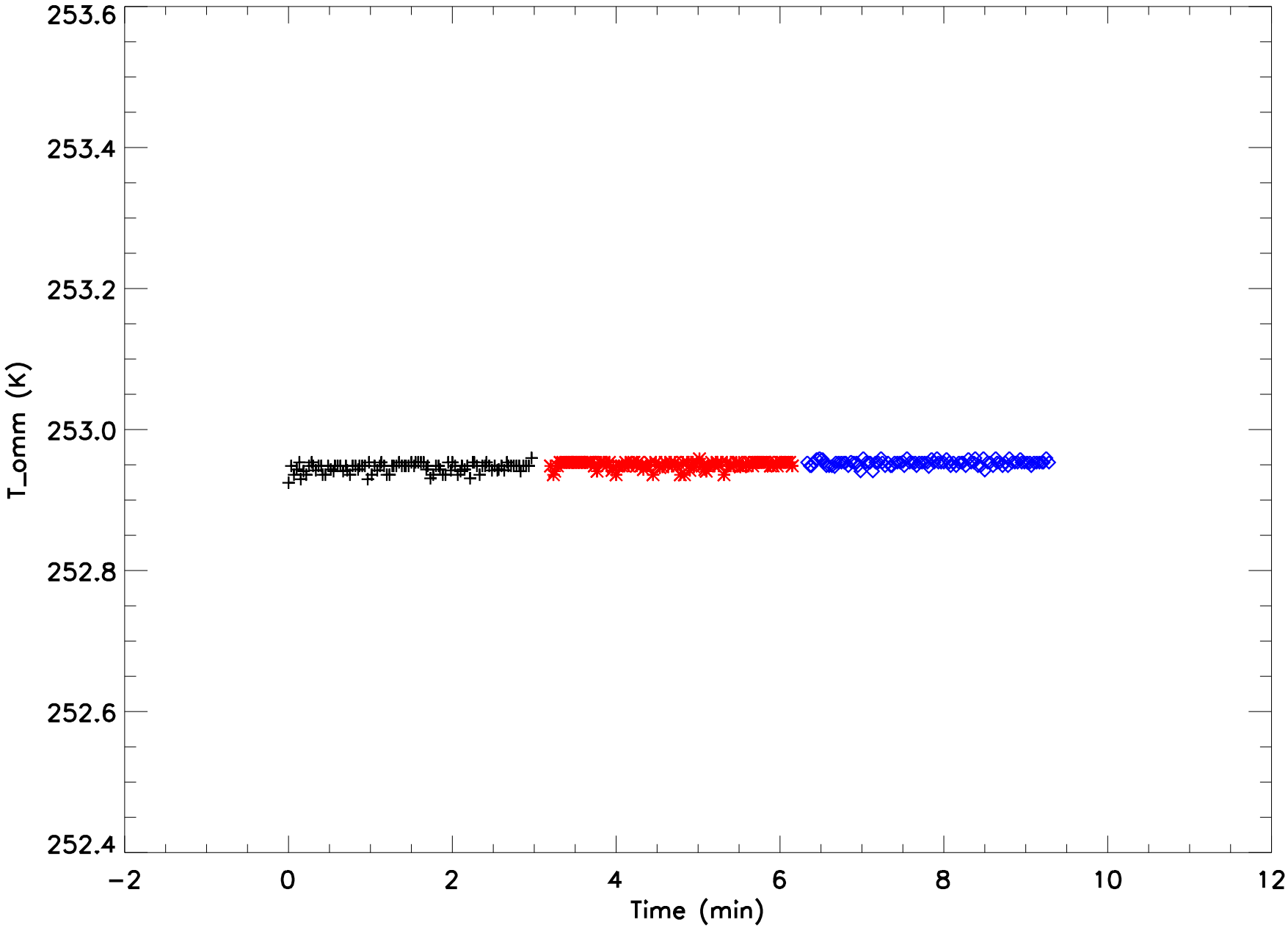



T_asp vs Scan: Collect=1
VisNIR
VisNIR T_asp (K)
273.28
273.26
273.24
273.22
273.20
273.18
273.16
273.14
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
269.38
269.36
269.34
269.32
269.30
269.28
269.26
269.24
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
272.95
272.90
272.85
272.80
0
20
40
60
80
100
Scan

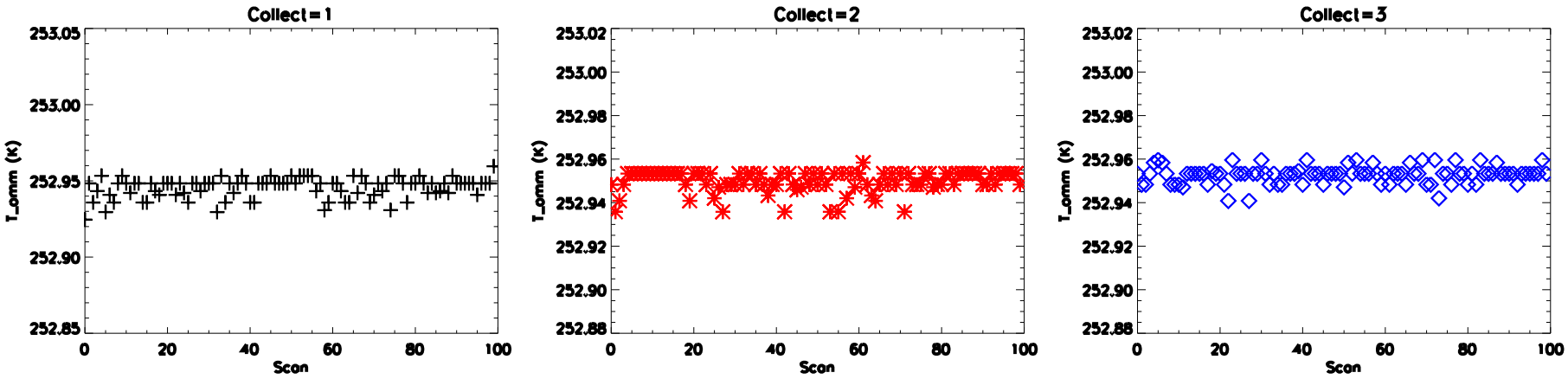

T_asp vs Scan: Collect=2
VisNIR
VisNIR T_asp (K)
273.30
273.28
273.26
273.24
273.22
273.20
273.18
273.16
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
269.38
269.36
269.34
269.32
269.30
269.28
269.26
269.24
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
272.96
272.94
272.92
272.90
272.88
272.86
272.84
272.82
0
20
40
60
80
100
Scan


T_asp vs Scan: Collect=3
VisNIR
VisNIR T_asp (K)
273.30
273.28
273.26
273.24
273.22
273.20
273.18
273.16
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
269.40
269.35
269.30
269.25
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
273.00
272.95
272.90
272.85
272.80
0
20
40
60
80
100
Scan


T_omm vs Scan and Collect
253.6
253.4
253.2
253.0
252.8
252.6
252.4
T_omm (K)
0
100
200
300
Collect*scan


T_omm vs Time
T_omm (K)
253.6
253.4
253.2
253.0
252.8
252.6
252.4
−2
0
2
4
6
8
10
12
Time (min)

# T_omm vs Scan


Collect = 1
Collect = 2
Collect = 3
T_omm (K)
Scan
253.05
253.00
252.95
252.90
252.85
253.02
252.98
252.96
252.94
252.92
252.88
0
20
40
60
80
100