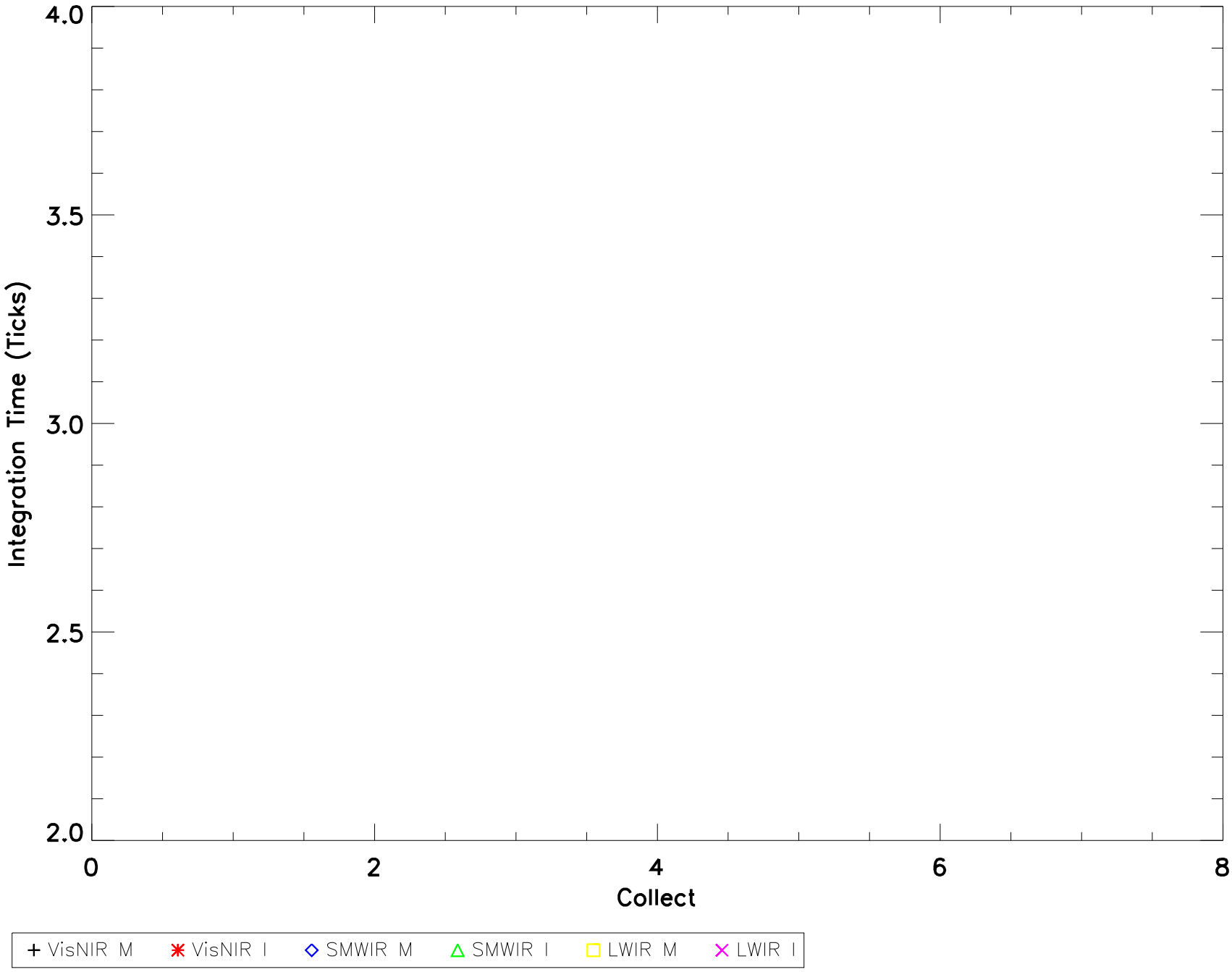
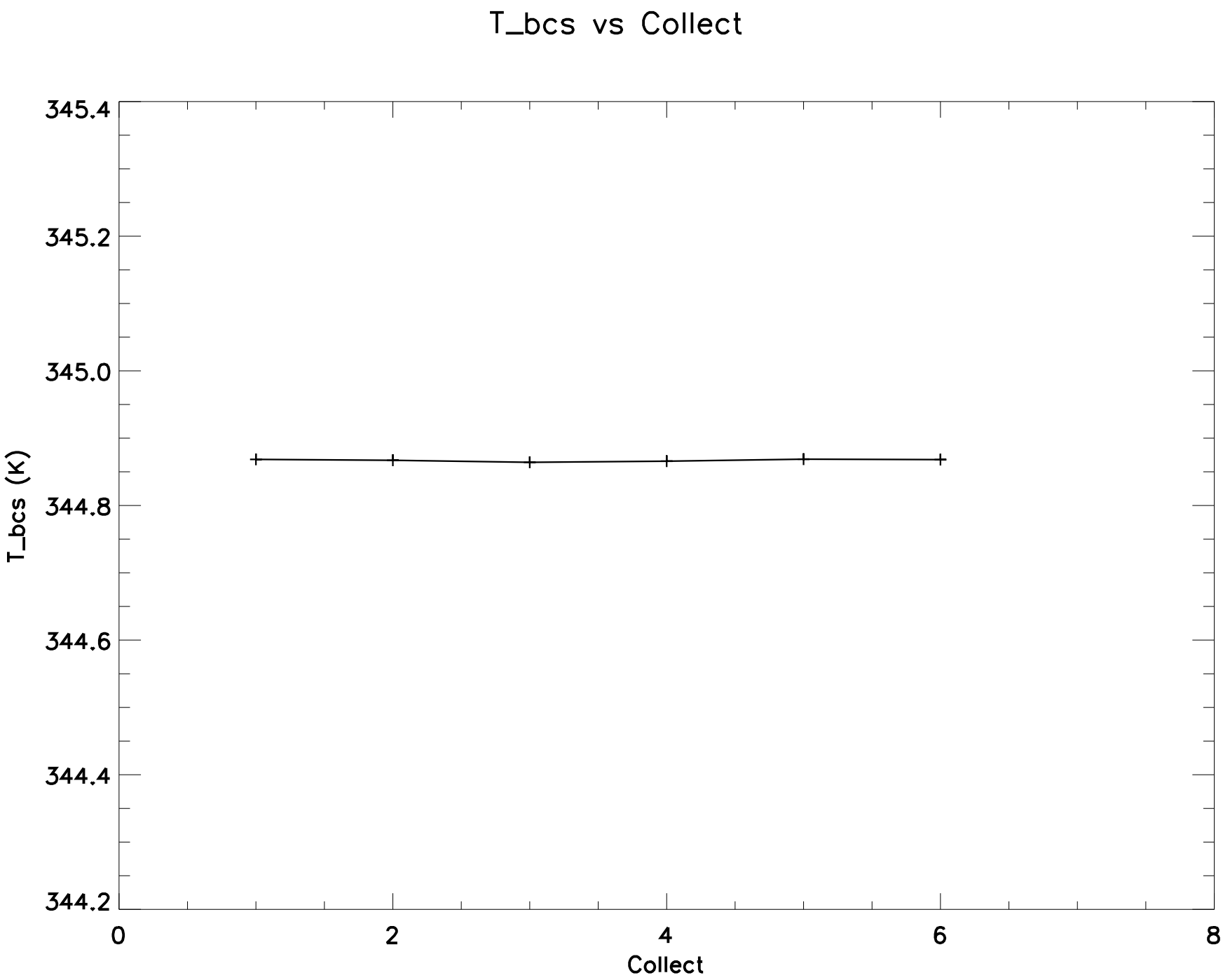
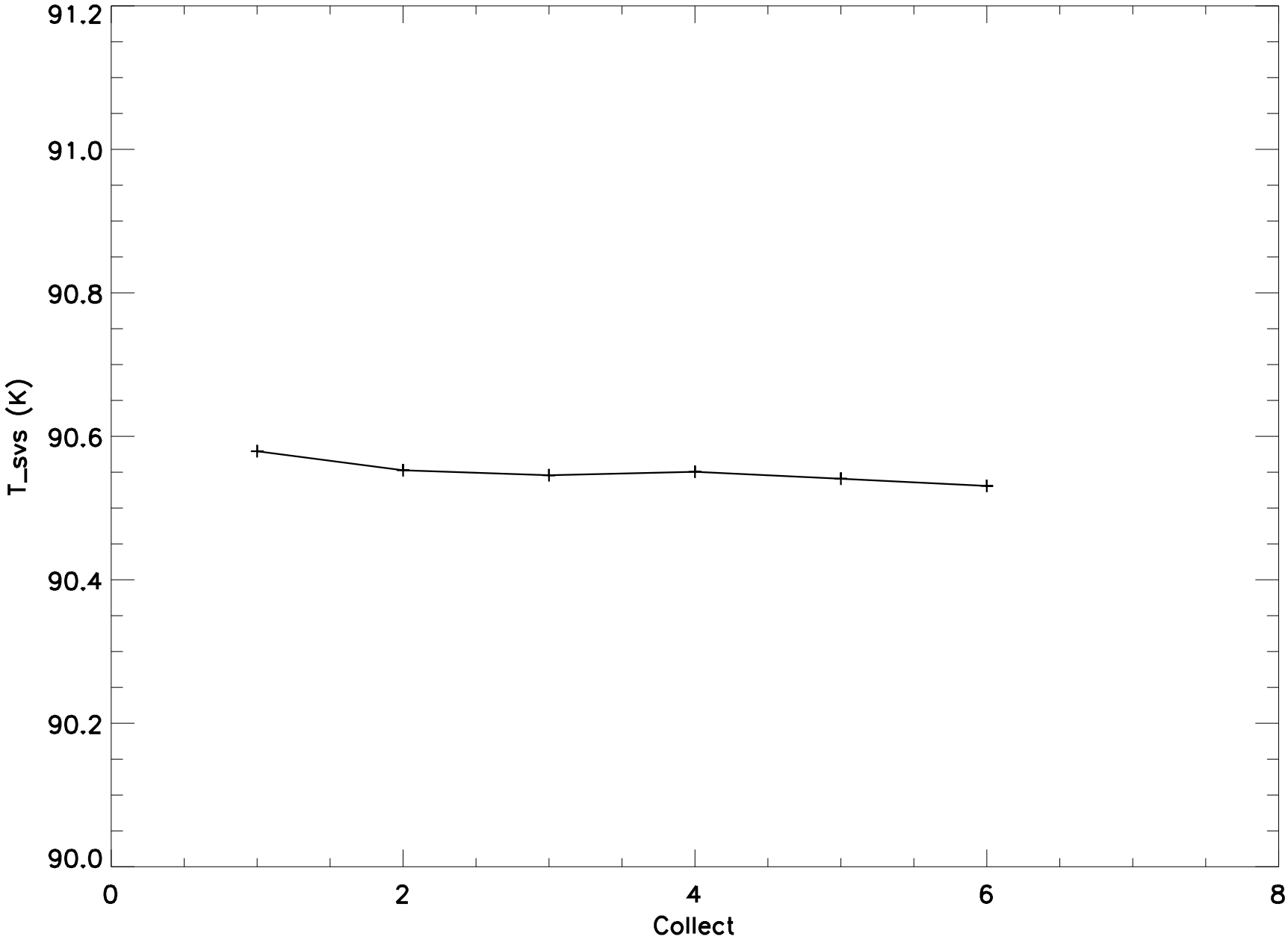
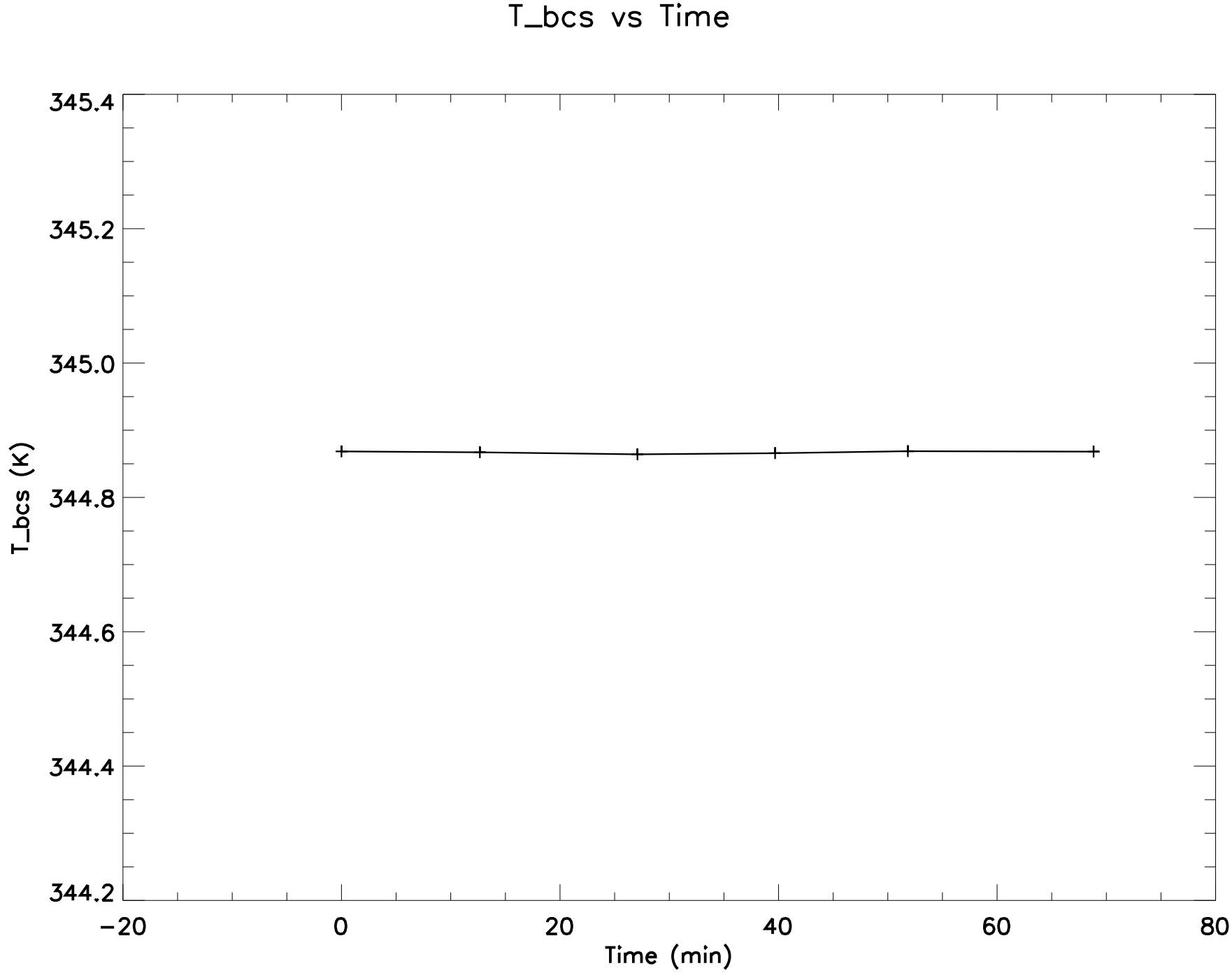
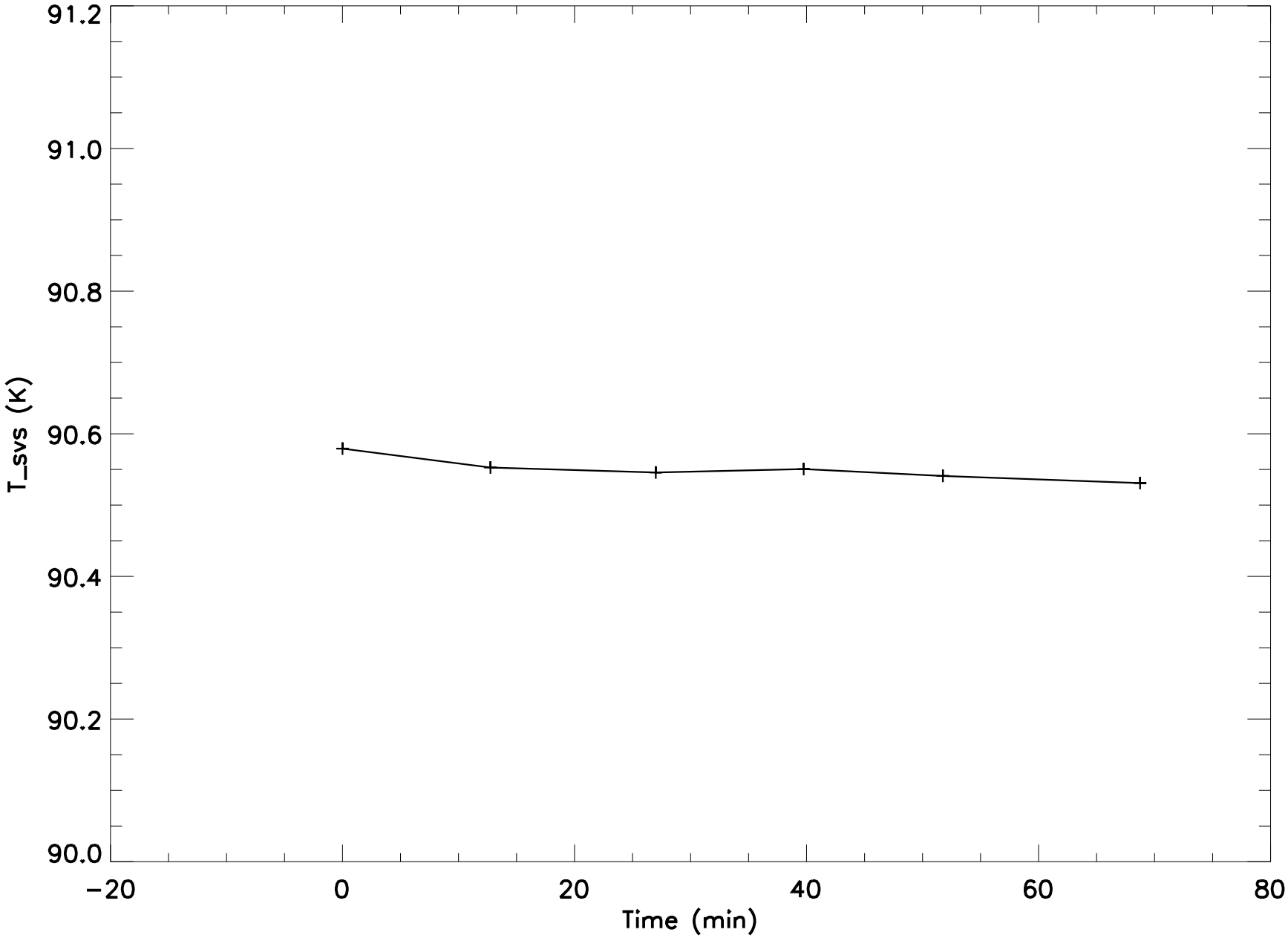
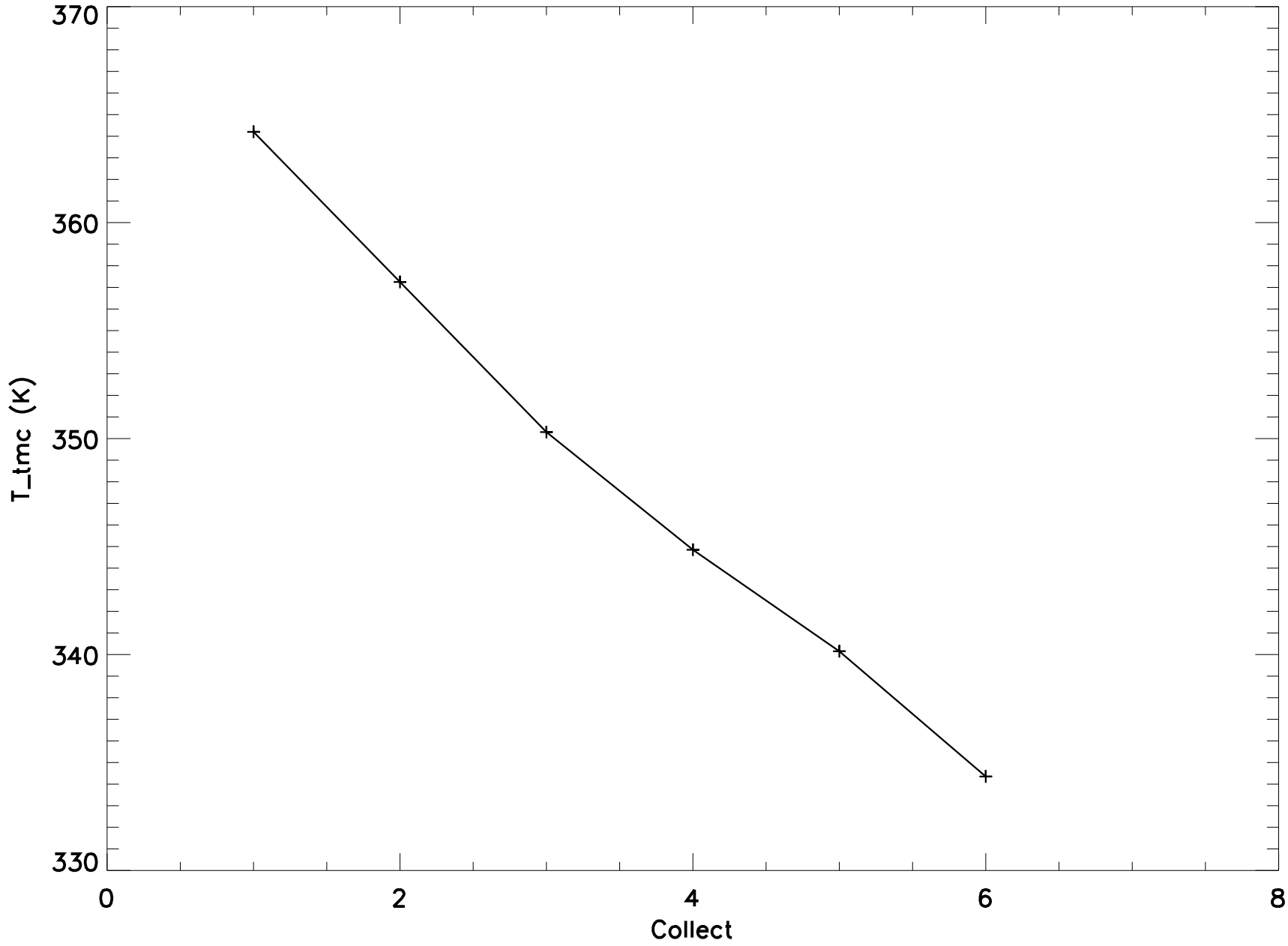

Integration Time vs Collect
Integration Time (Ticks)
4.0
3.5
3.0
2.5
2.0
0
2
4
6
8
Collect
+ VisNIR M
✳ VisNIR I
◇ SMWIR M
△ SMWIR I
□ LWIR M
× LWIR I

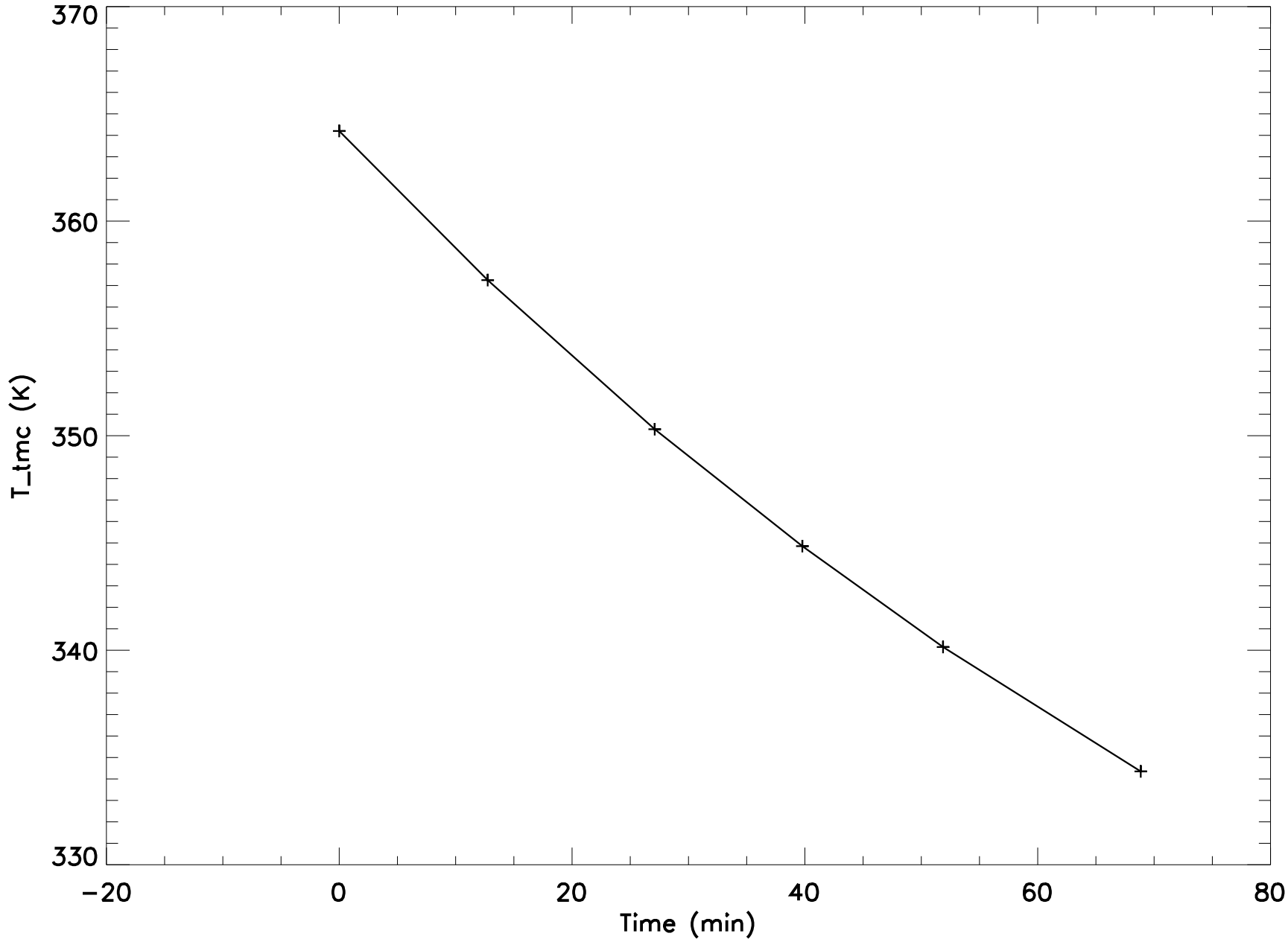

T_bcs vs Collect
345.4
345.2
345.0
344.8
344.6
344.4
344.2
T_bcs (K)
0
2
4
6
8
Collect

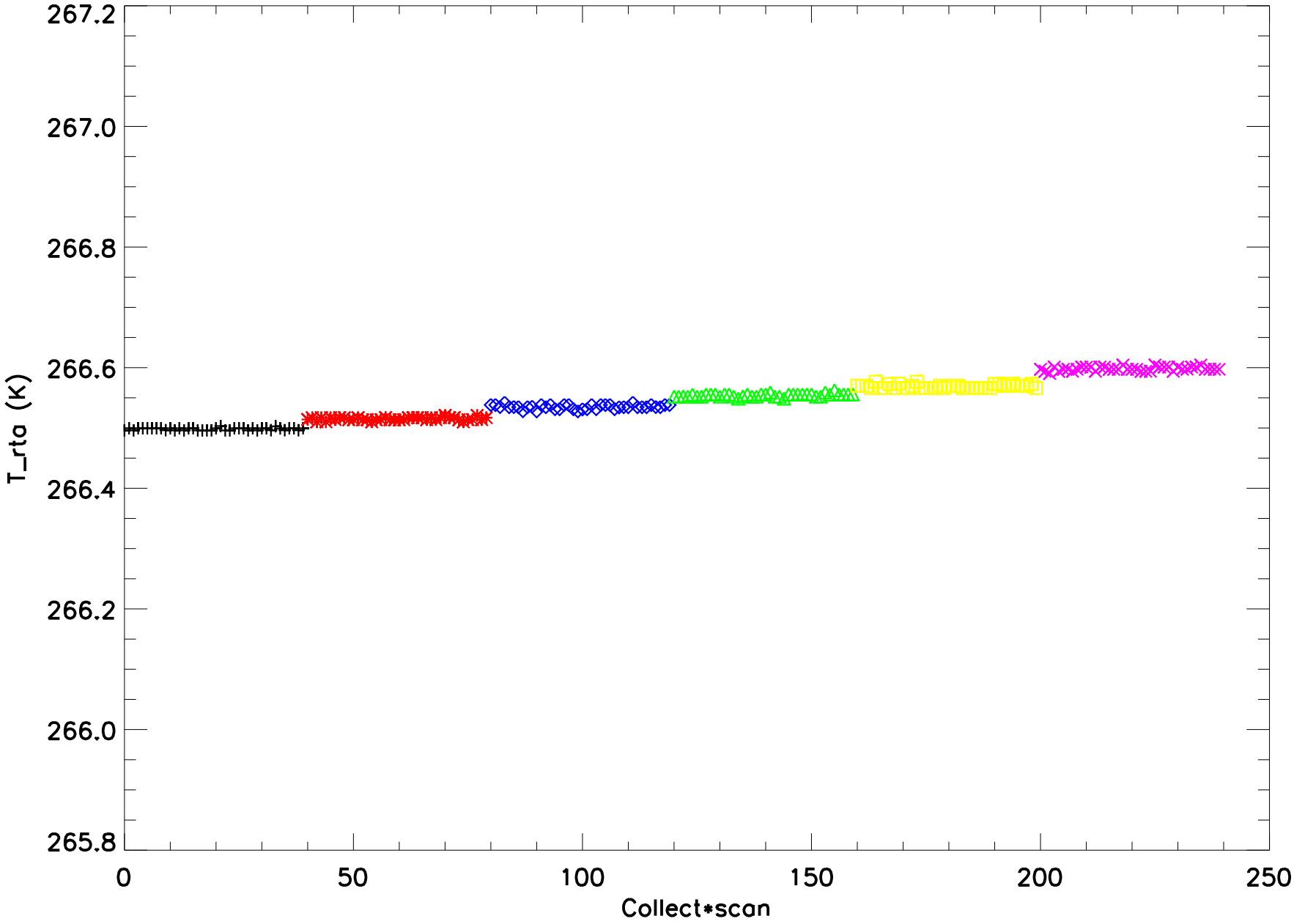

T_svs vs Collect
91.2
91.0
90.8
90.6
90.4
90.2
90.0
T_svs (K)
0
2
4
6
8
Collect

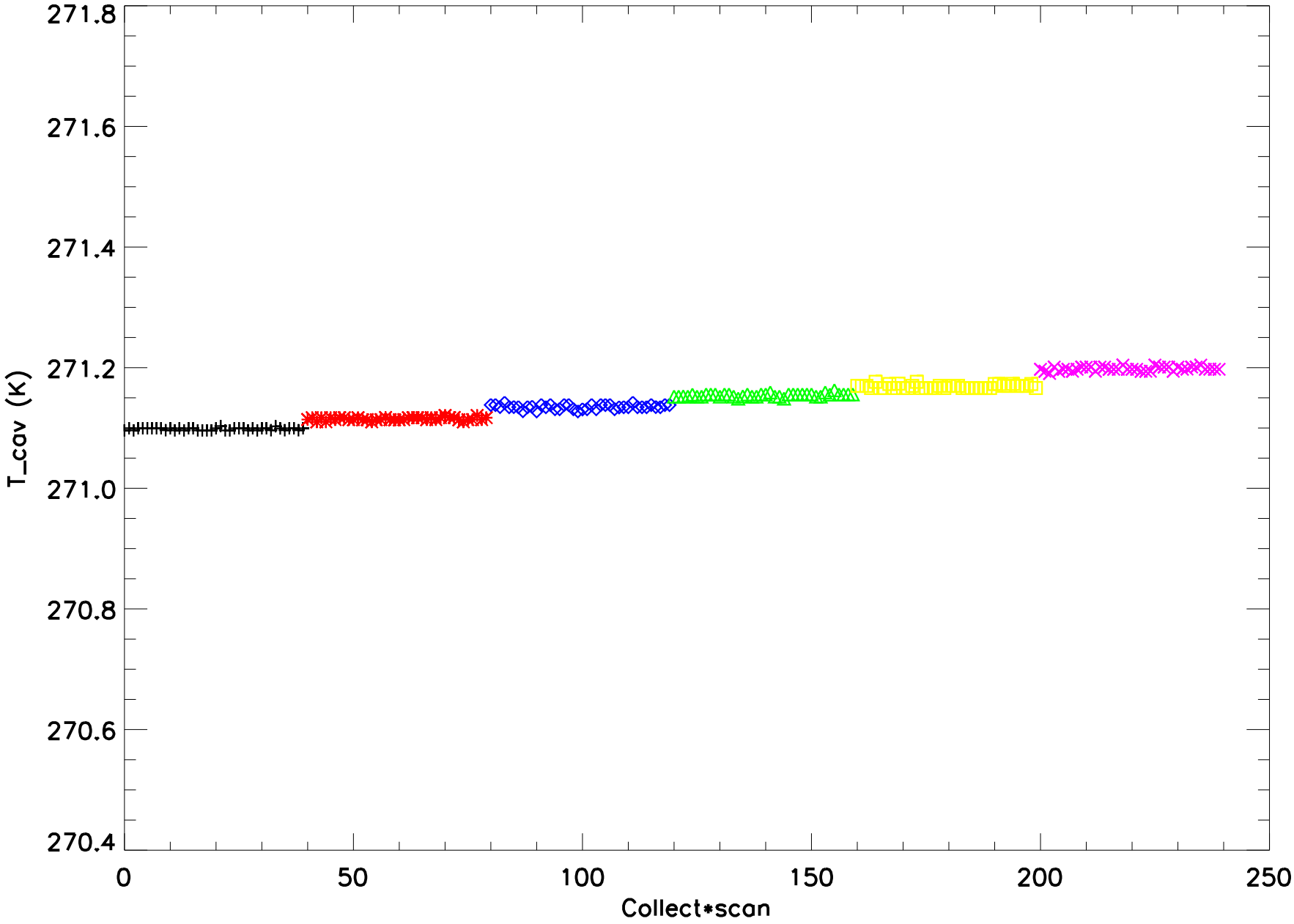

T_bcs vs Time
345.4
345.2
345.0
344.8
344.6
344.4
344.2
T_bcs (K)
−20
0
20
40
60
80
Time (min)

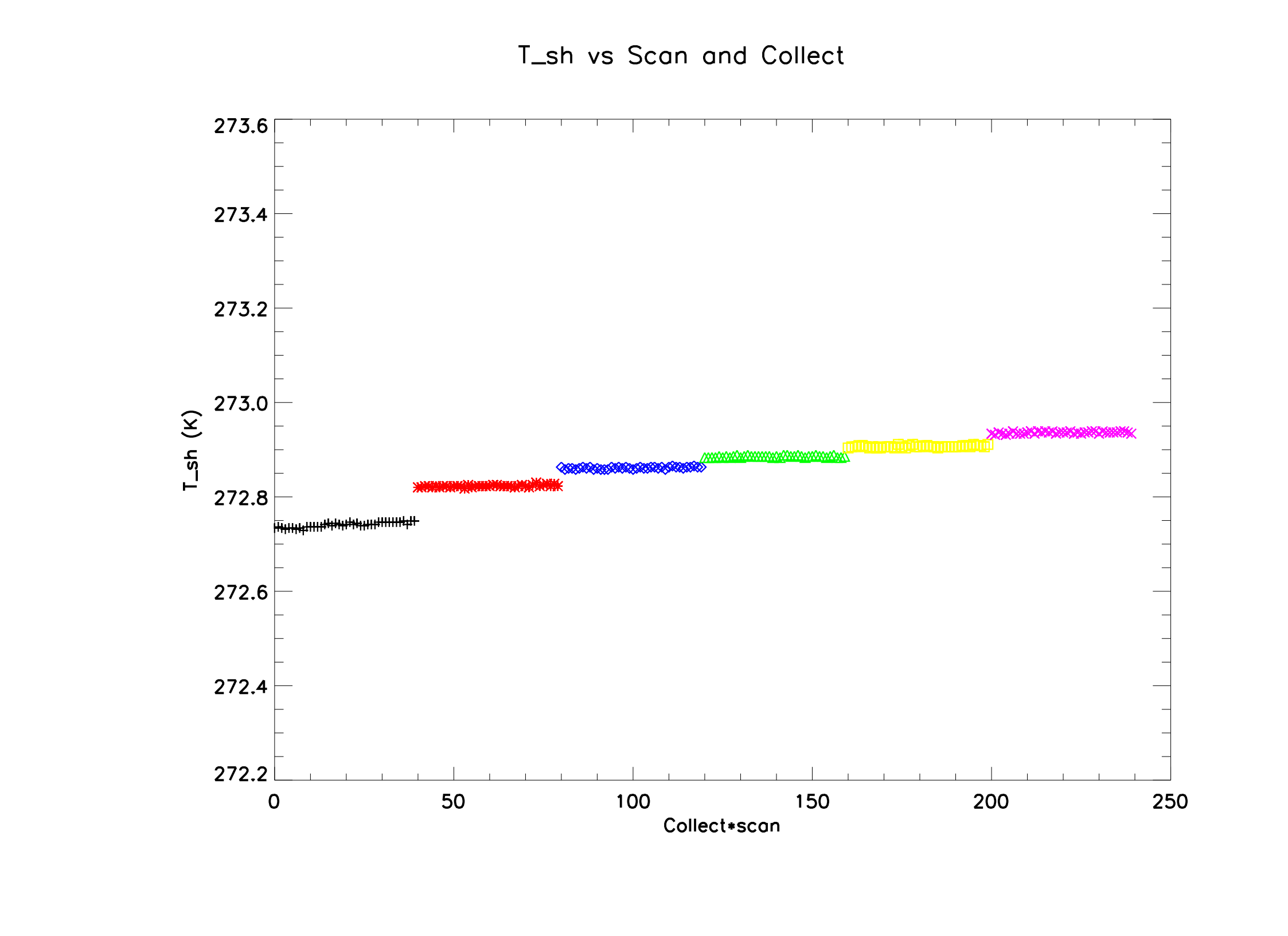

T_svs vs Time
91.2
91.0
90.8
90.6
90.4
90.2
90.0
T_svs (K)
−20
0
20
40
60
80
Time (min)

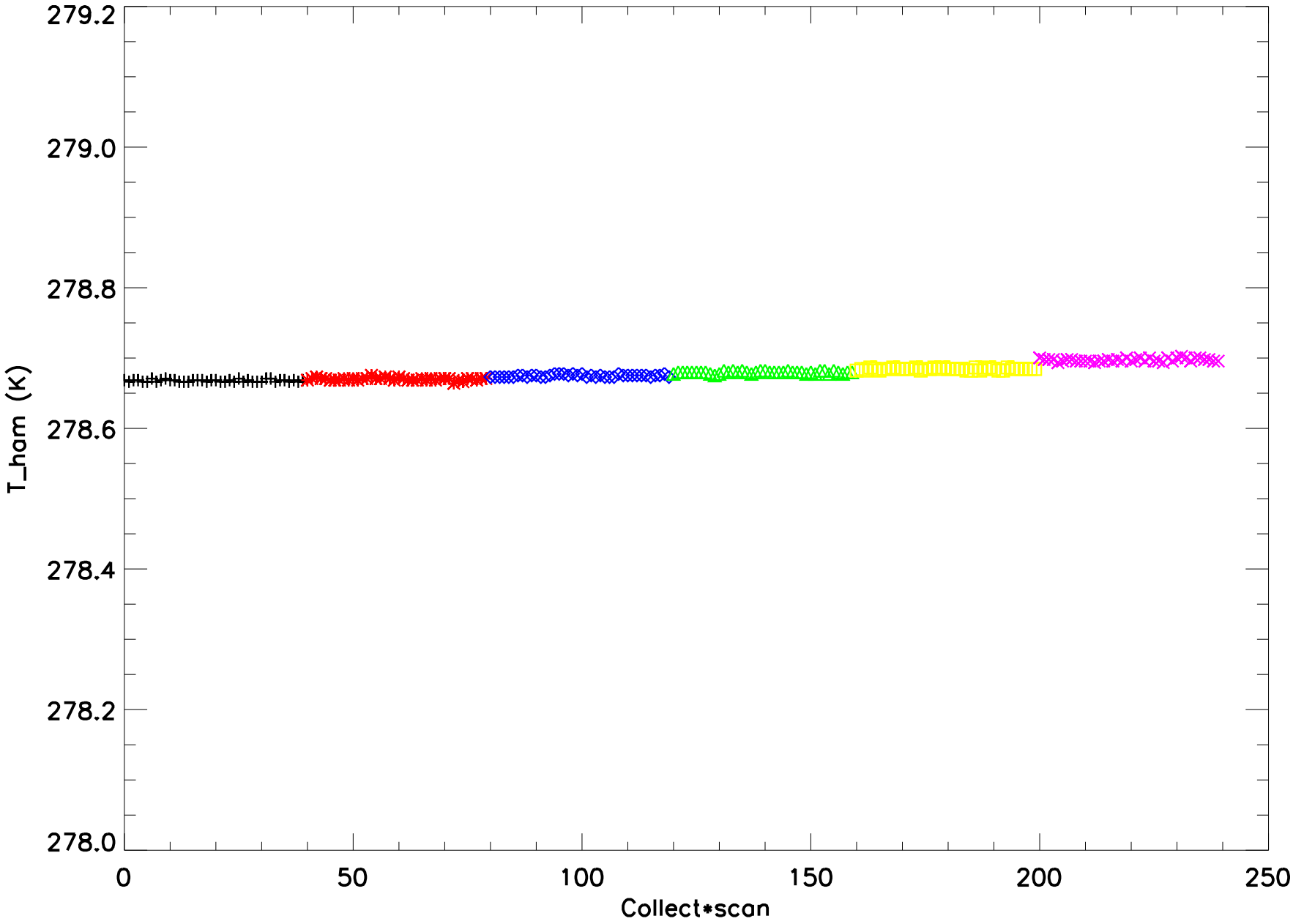

T_tmc vs Collect
370
360
350
340
330
T_tmc (K)
0
2
4
6
8
Collect

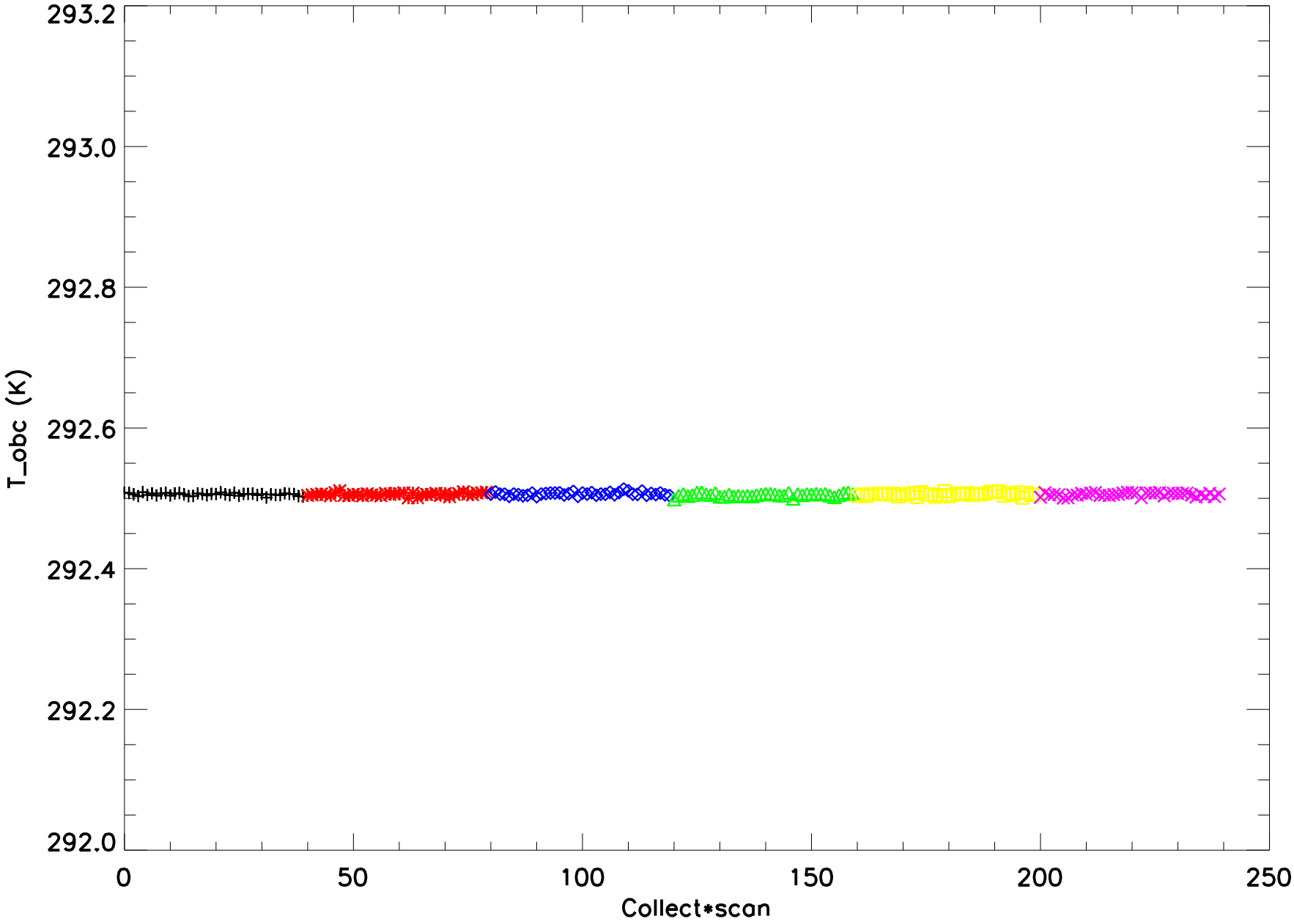

T_tmc vs Time
370
360
350
340
330
T_tmc (K)
−20
0
20
40
60
80
Time (min)

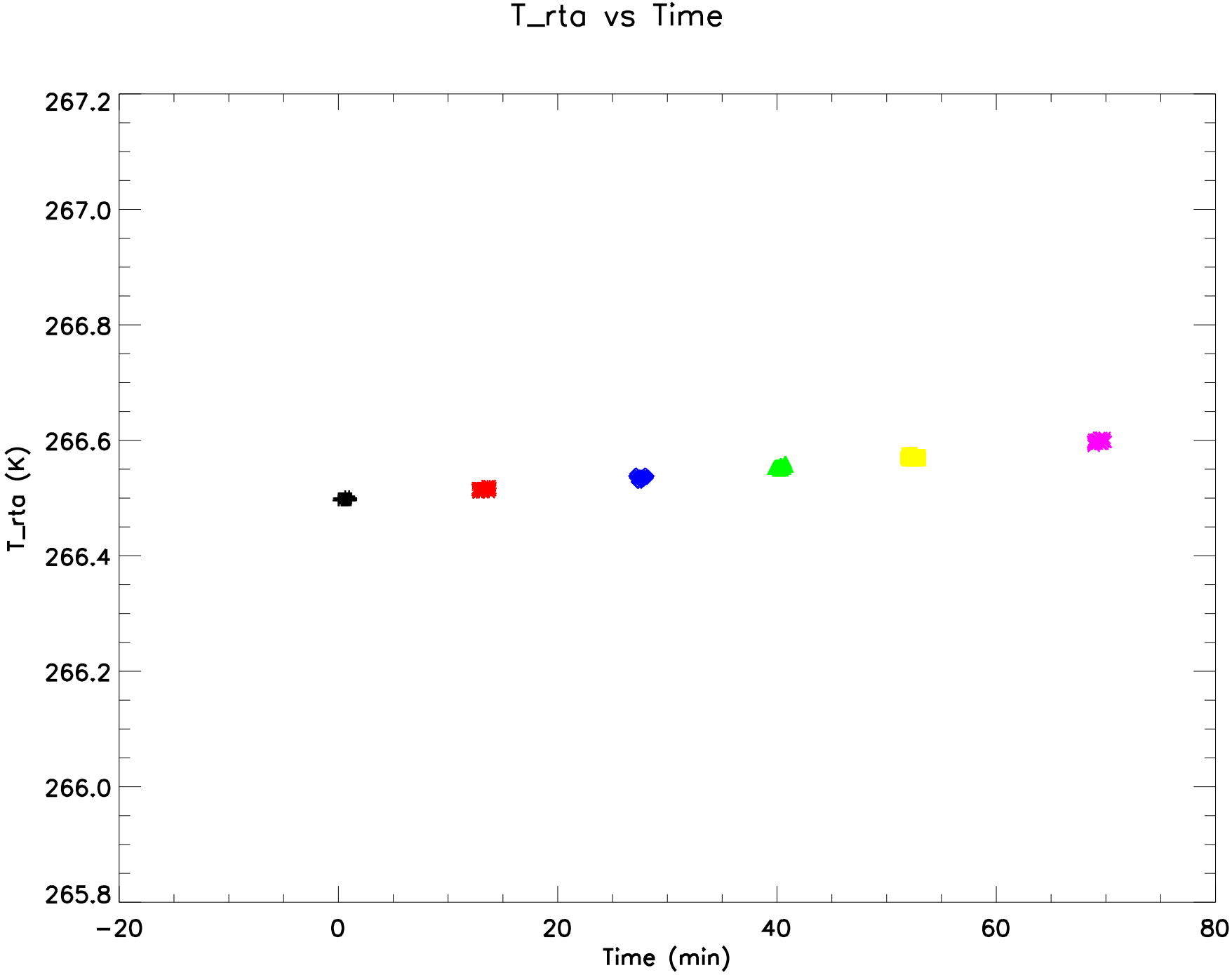

T_rta vs Scan and Collect
267.2
267.0
266.8
266.6
266.4
266.2
266.0
265.8
T_rta (K)
0
50
100
150
200
250
Collect*scan

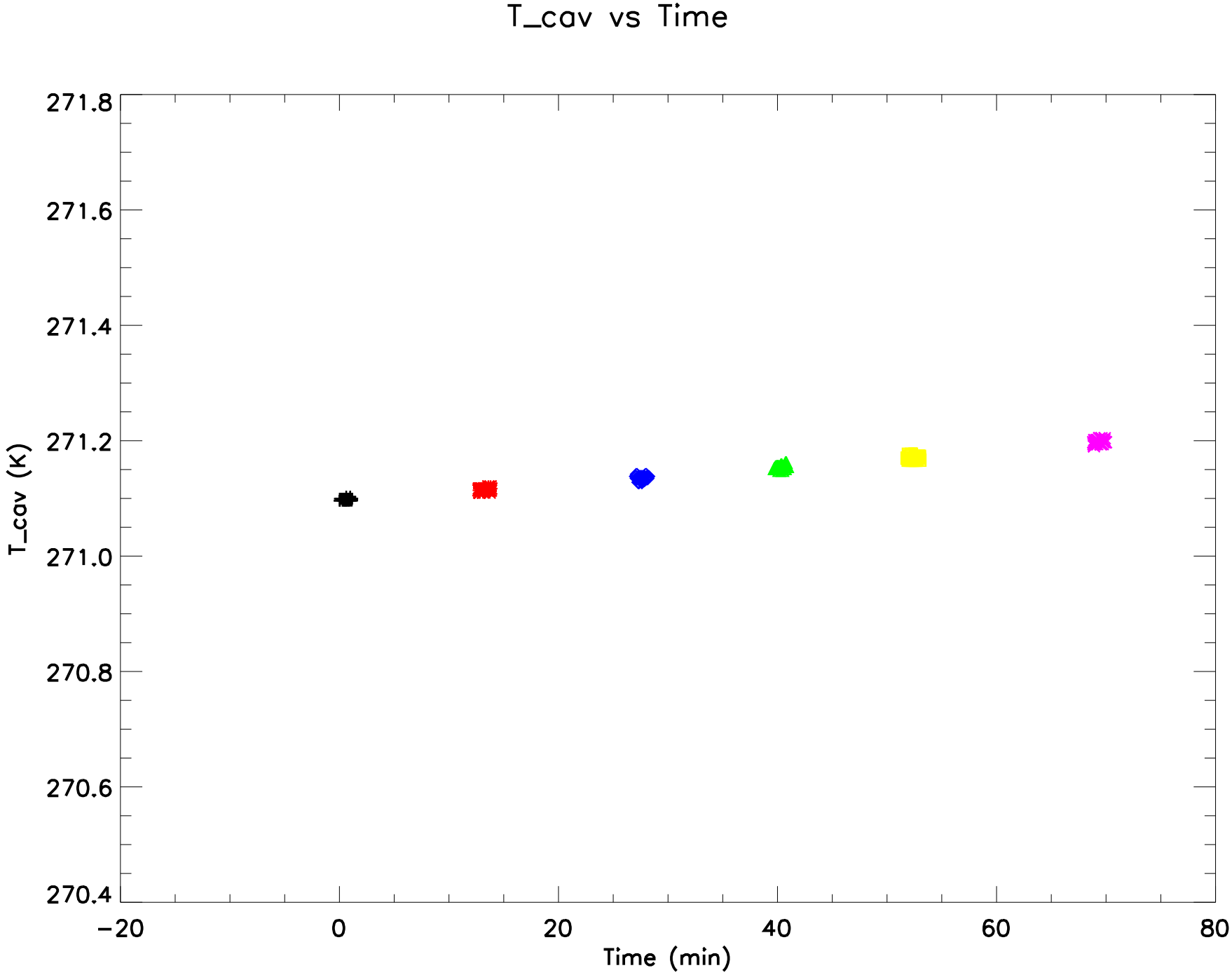

T_cav vs Scan and Collect
271.8
271.6
271.4
271.2
271.0
270.8
270.6
270.4
T_cav (K)
0
50
100
150
200
250
Collect*scan

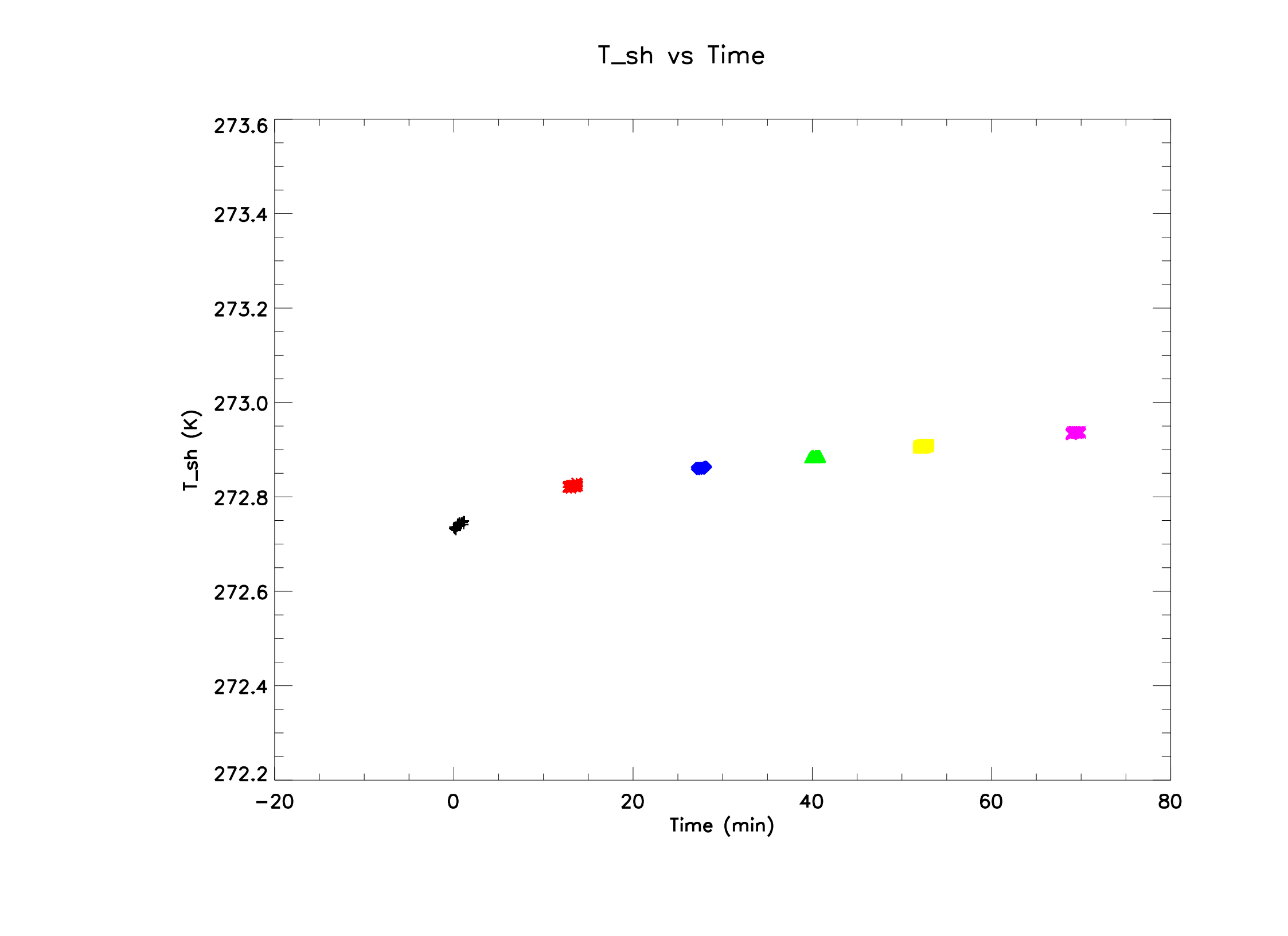

T_sh vs Scan and Collect
273.6
273.4
273.2
273.0
272.8
272.6
272.4
272.2
T_sh (K)
0
50
100
150
200
250
Collect*scan

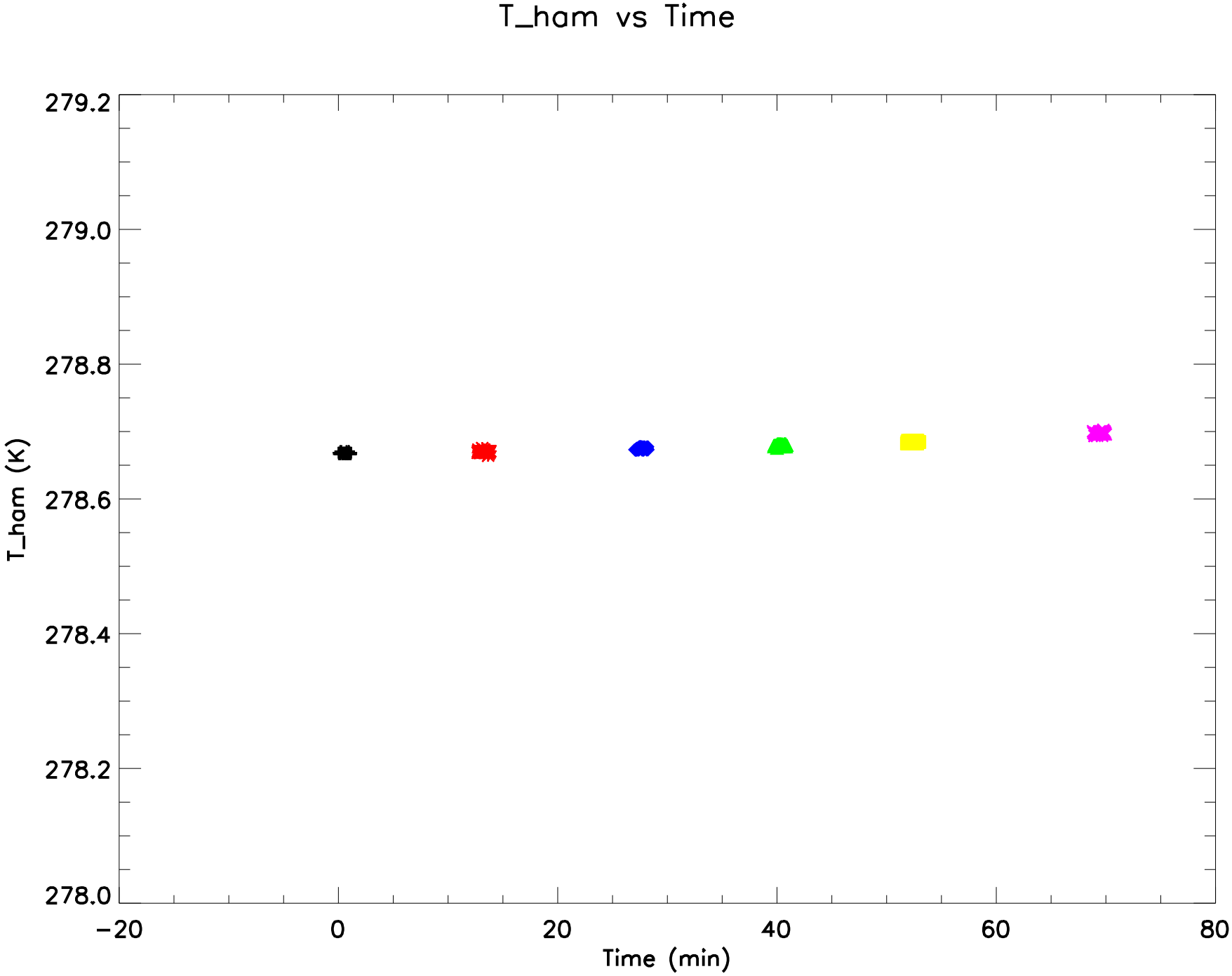

T_ham vs Scan and Collect
279.2
279.0
278.8
278.6
278.4
278.2
278.0
T_ham (K)
0
50
100
150
200
250
Collect*scan

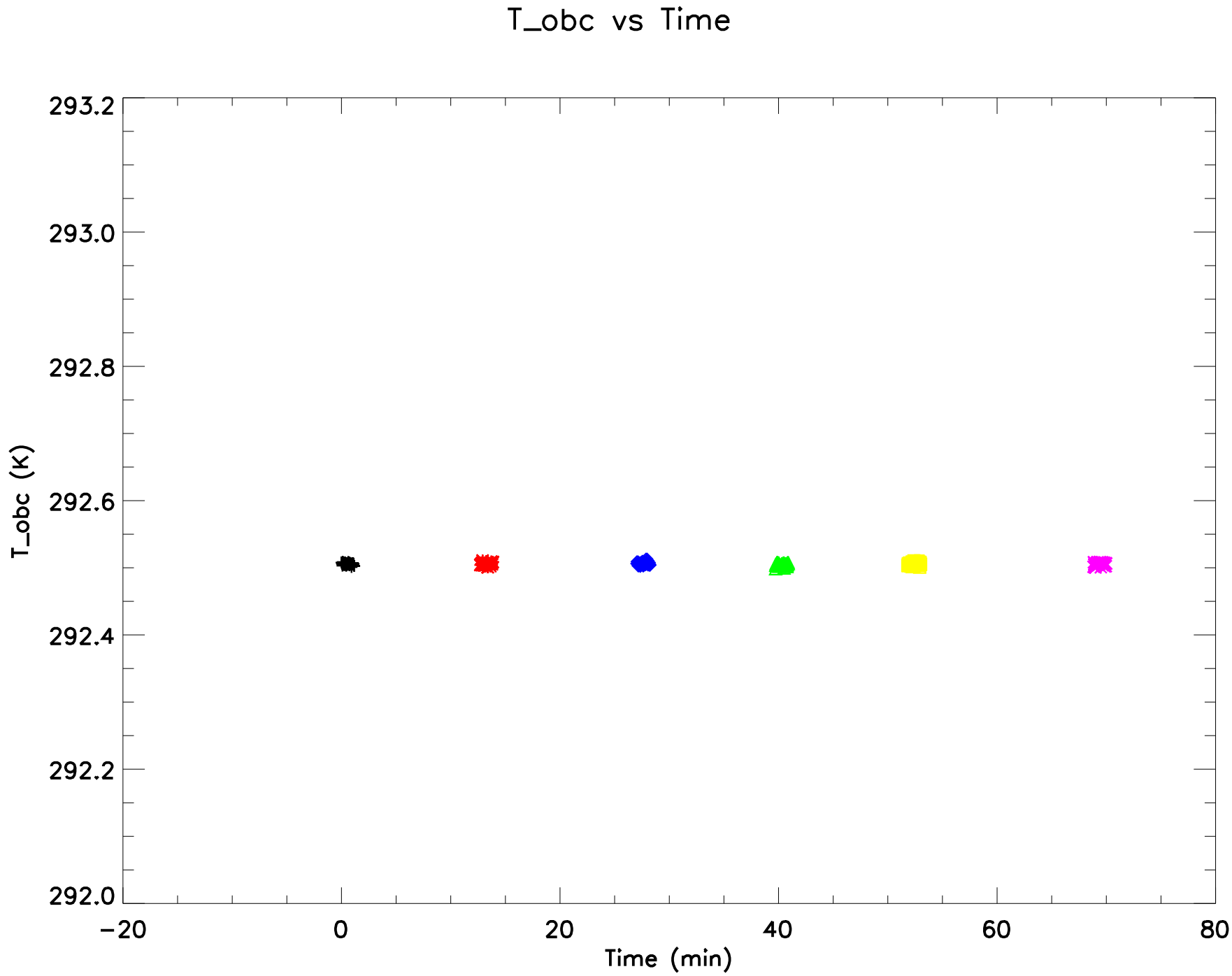

T_obc vs Scan and Collect
293.2
293.0
292.8
292.6
292.4
292.2
292.0
T_obc (K)
0
50
100
150
200
250
Collect*scan


T_rta vs Time
267.2
267.0
266.8
266.6
266.4
266.2
266.0
265.8
T_rta (K)
−20
0
20
40
60
80
Time (min)

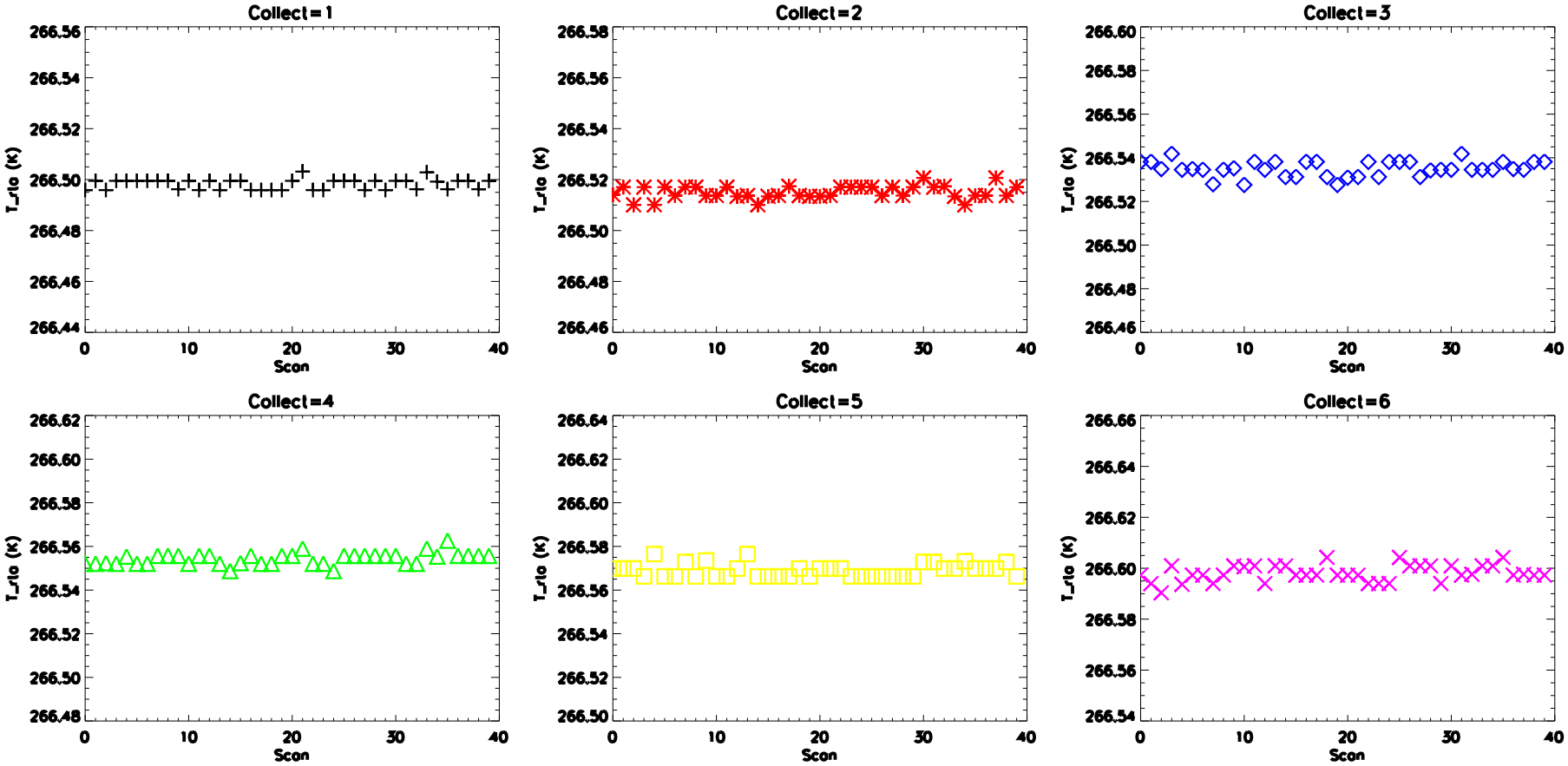

T_cav vs Time
271.8
271.6
271.4
271.2
271.0
270.8
270.6
270.4
T_cav (K)
−20
0
20
40
60
80
Time (min)


T_sh vs Time
273.6
273.4
273.2
273.0
272.8
272.6
272.4
272.2
T_sh (K)
−20
0
20
40
60
80
Time (min)

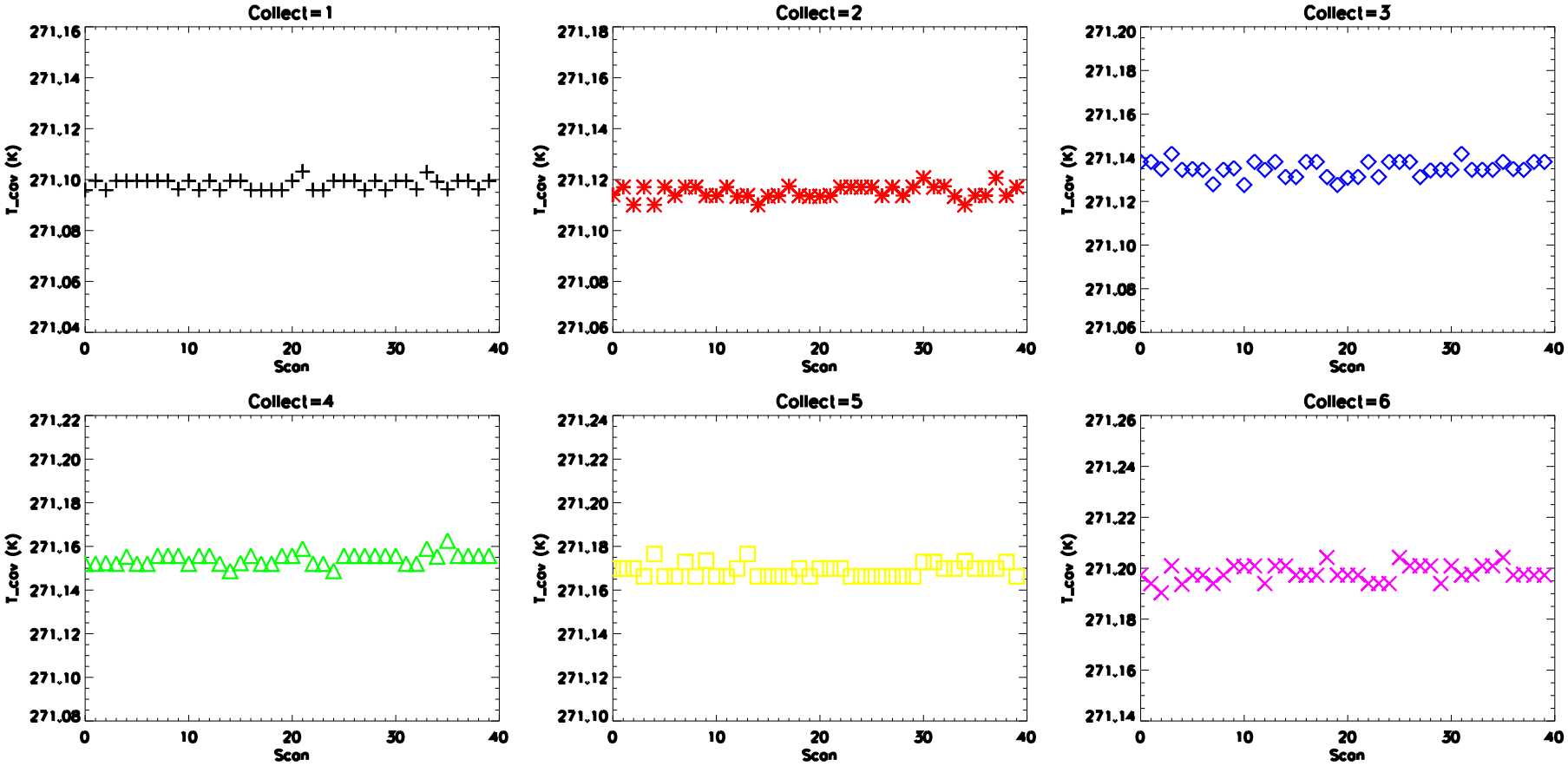

T_ham vs Time
279.2
279.0
278.8
278.6
278.4
278.2
278.0
T_ham (K)
−20
0
20
40
60
80
Time (min)


T_obc vs Time
293.2
293.0
292.8
292.6
292.4
292.2
292.0
T_obc (K)
−20
0
20
40
60
80
Time (min)

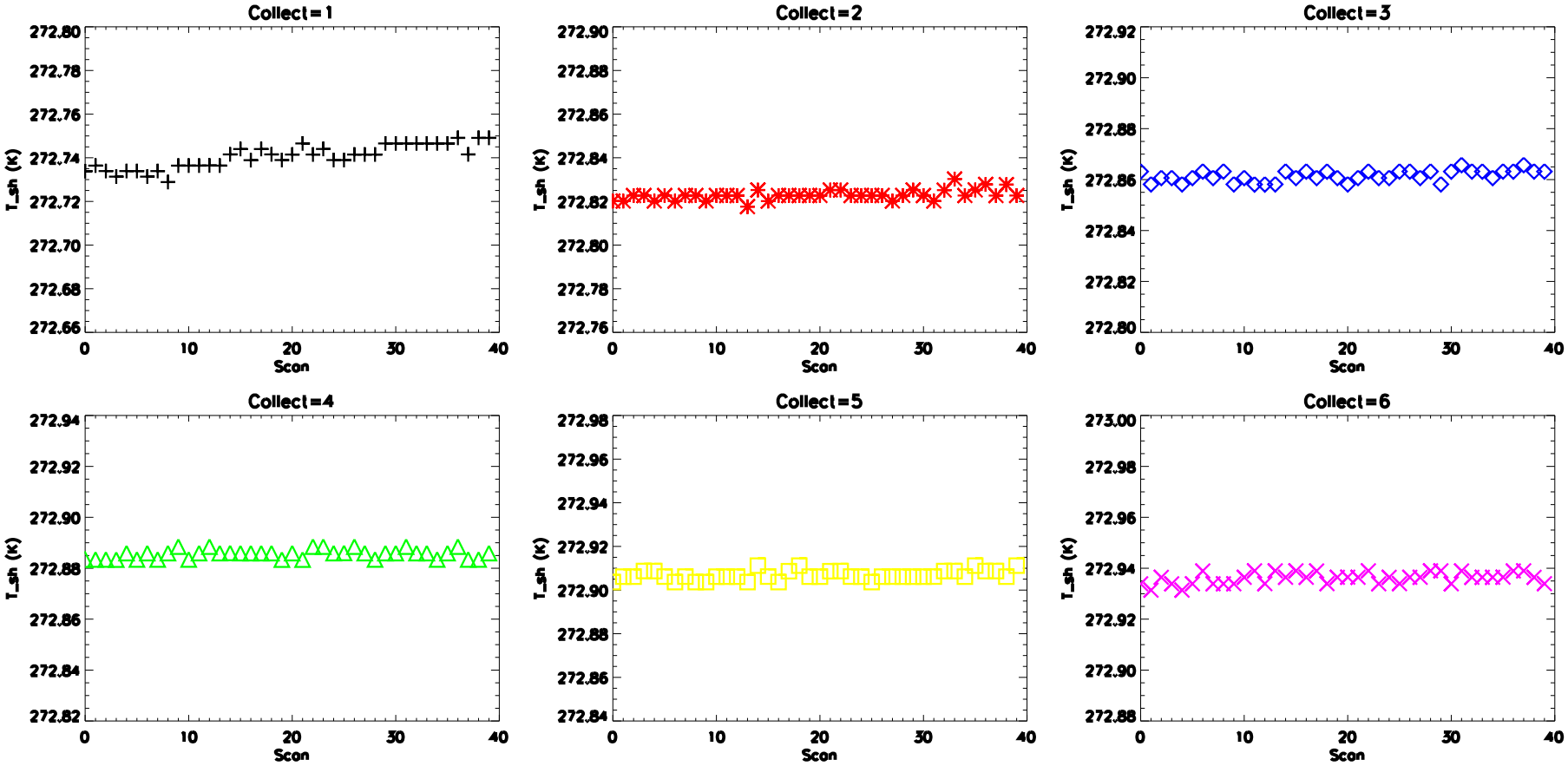
T_rta vs Scan


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

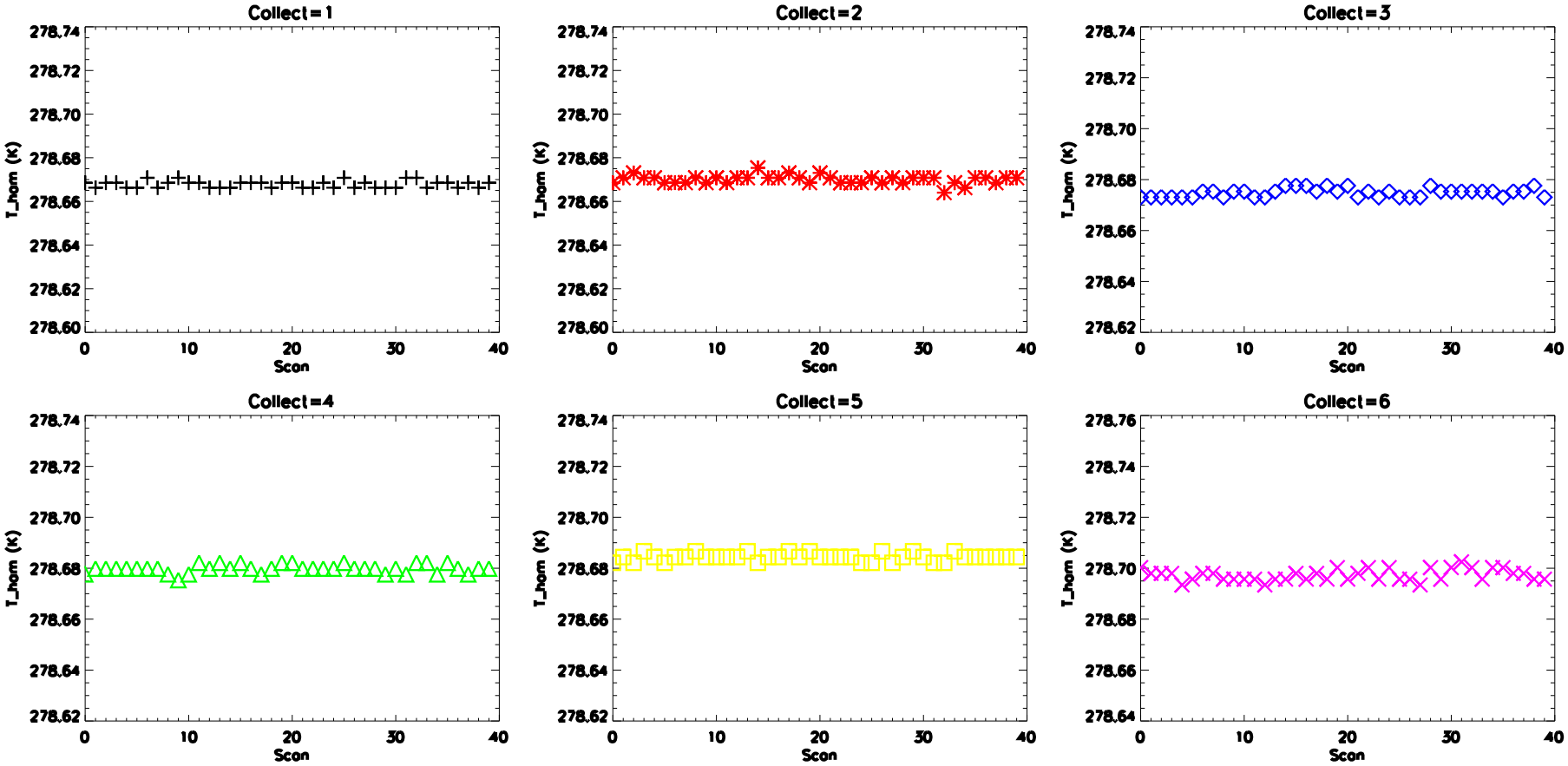
T_cav vs Scan


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

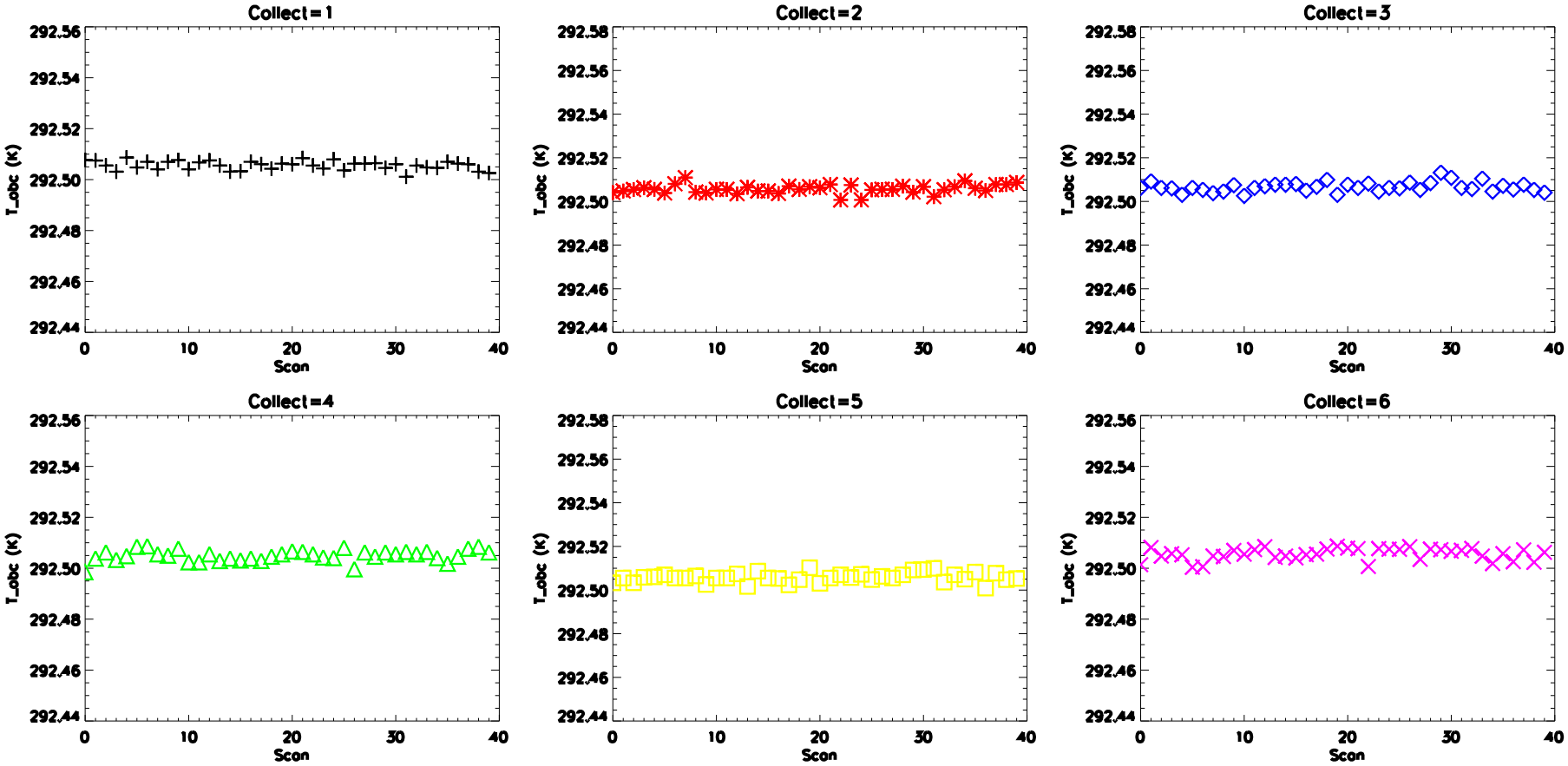
T_sh vs Scan

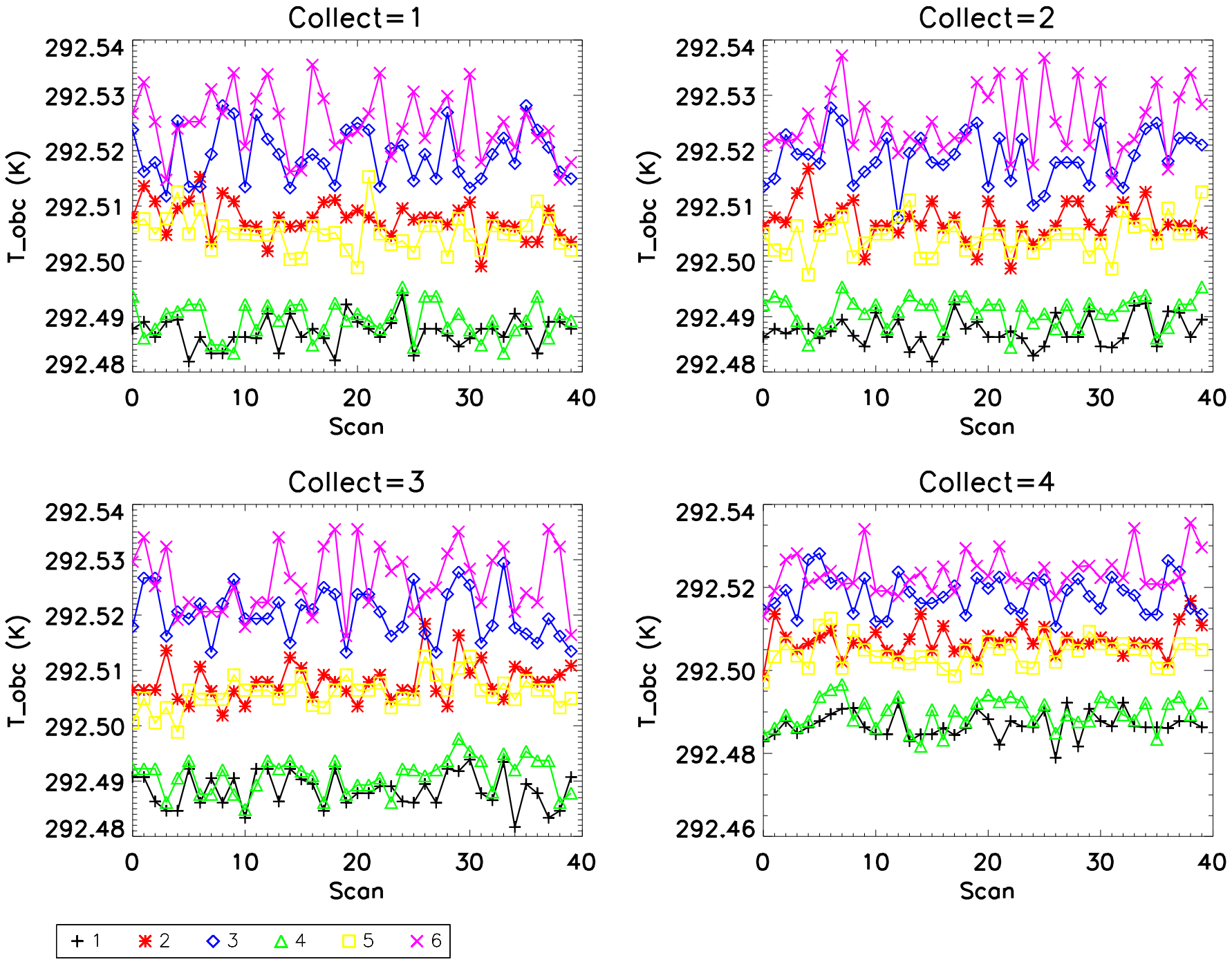

Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
T_sh (K)
Scan

T_ham vs Scan

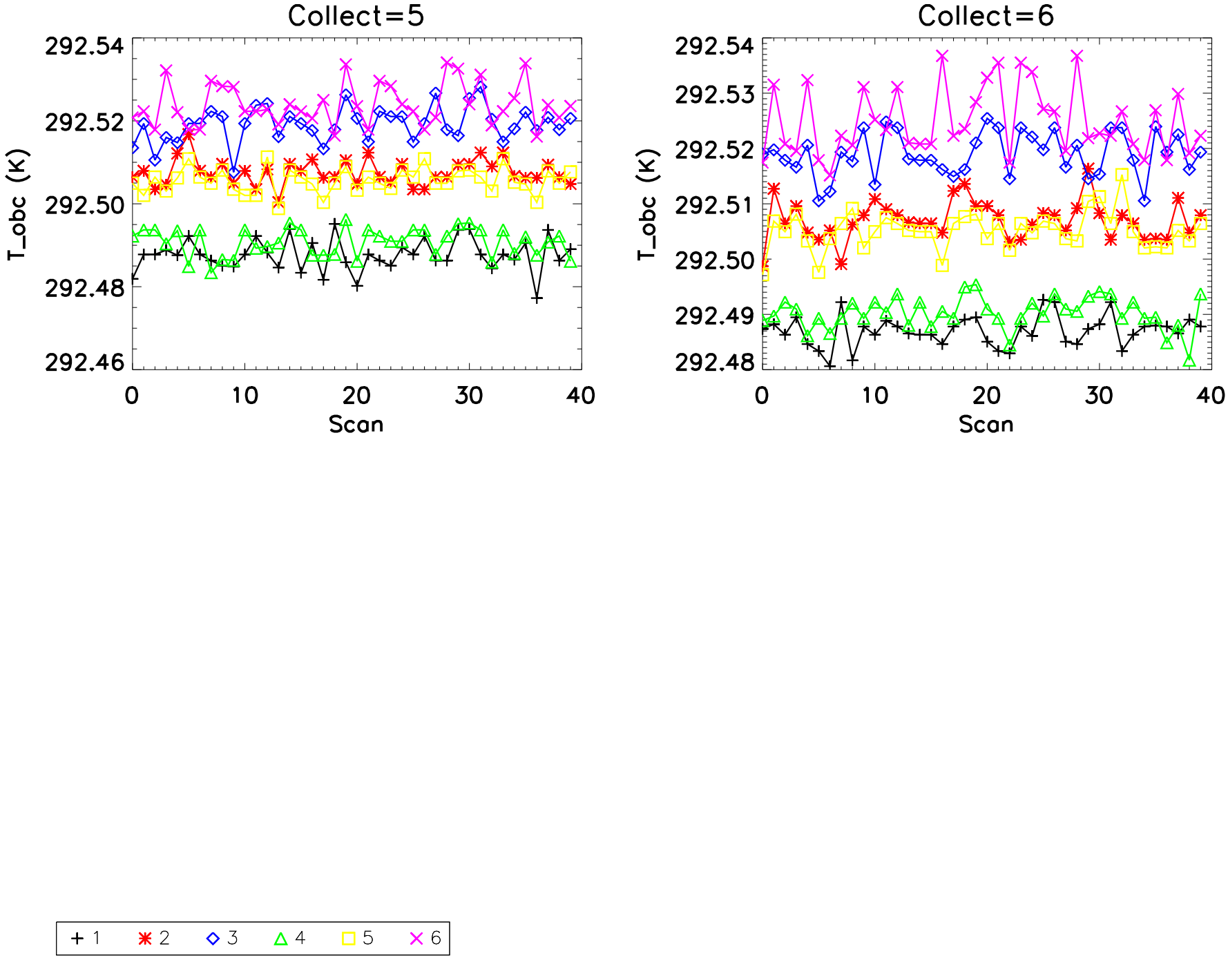

Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
T_ham (K)
Scan

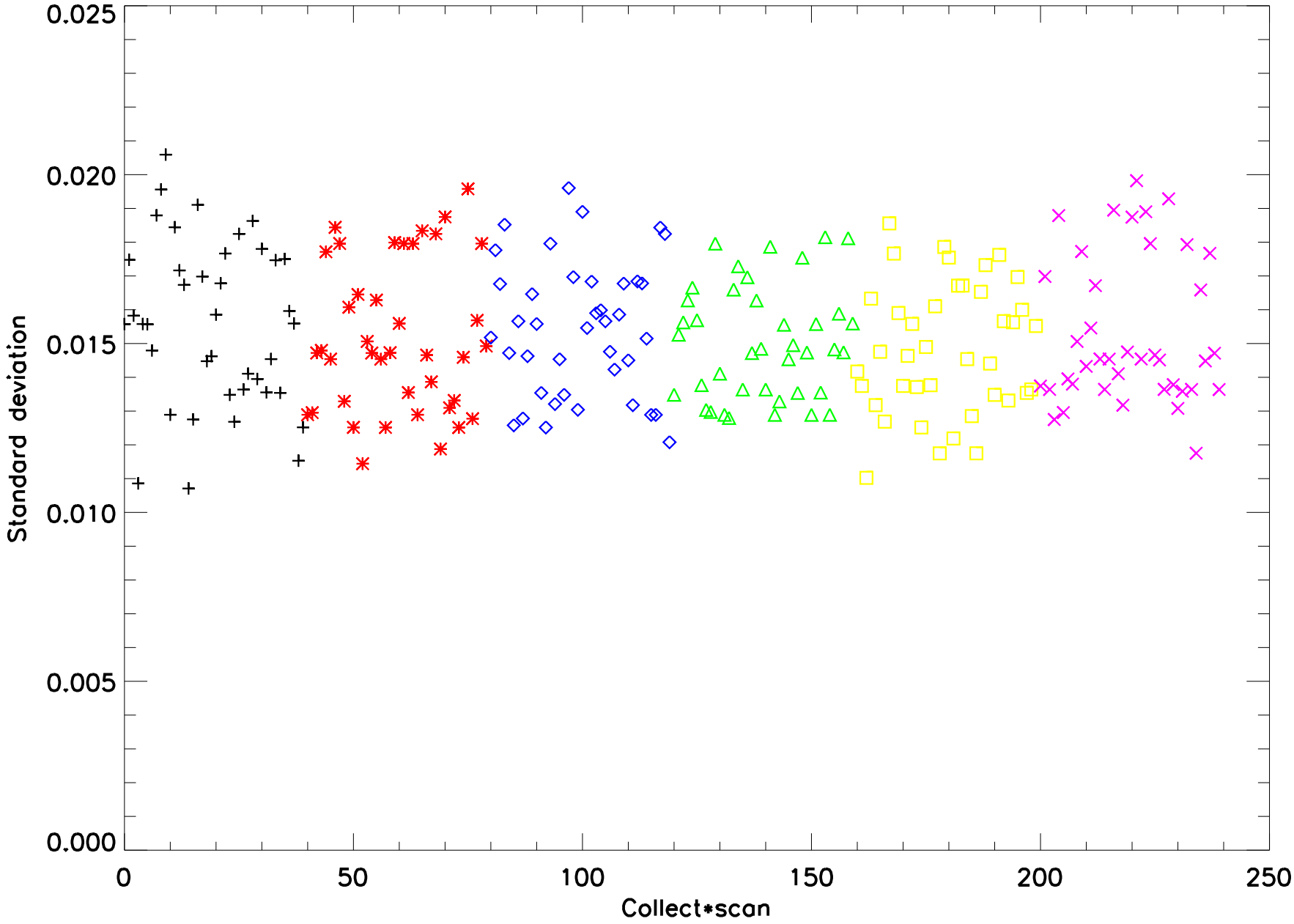
T_obc vs Scan

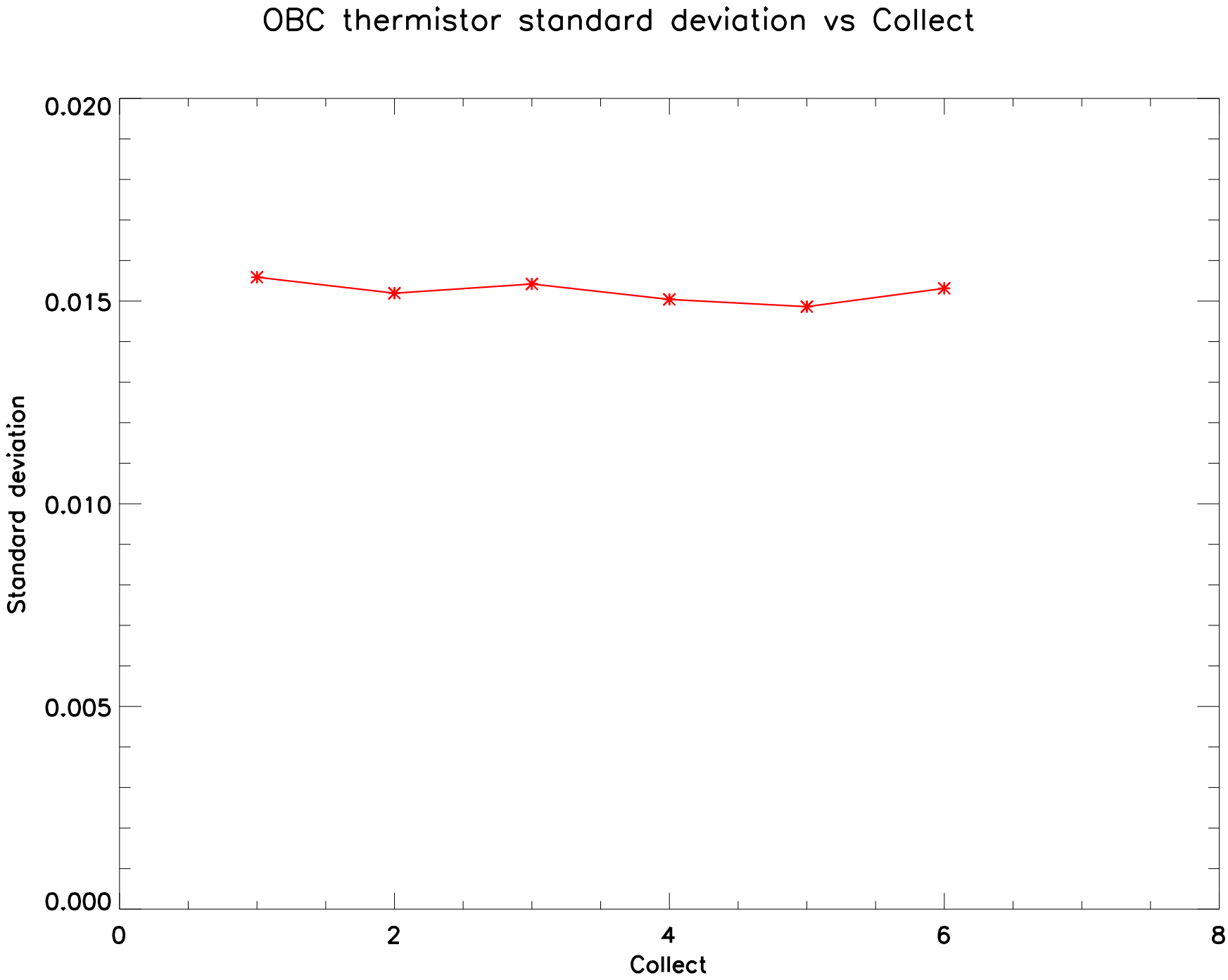

Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
T_obc (K)
Scan
292.56
292.54
292.52
292.50
292.48
292.46
292.44
292.58
0
10
20
30
40

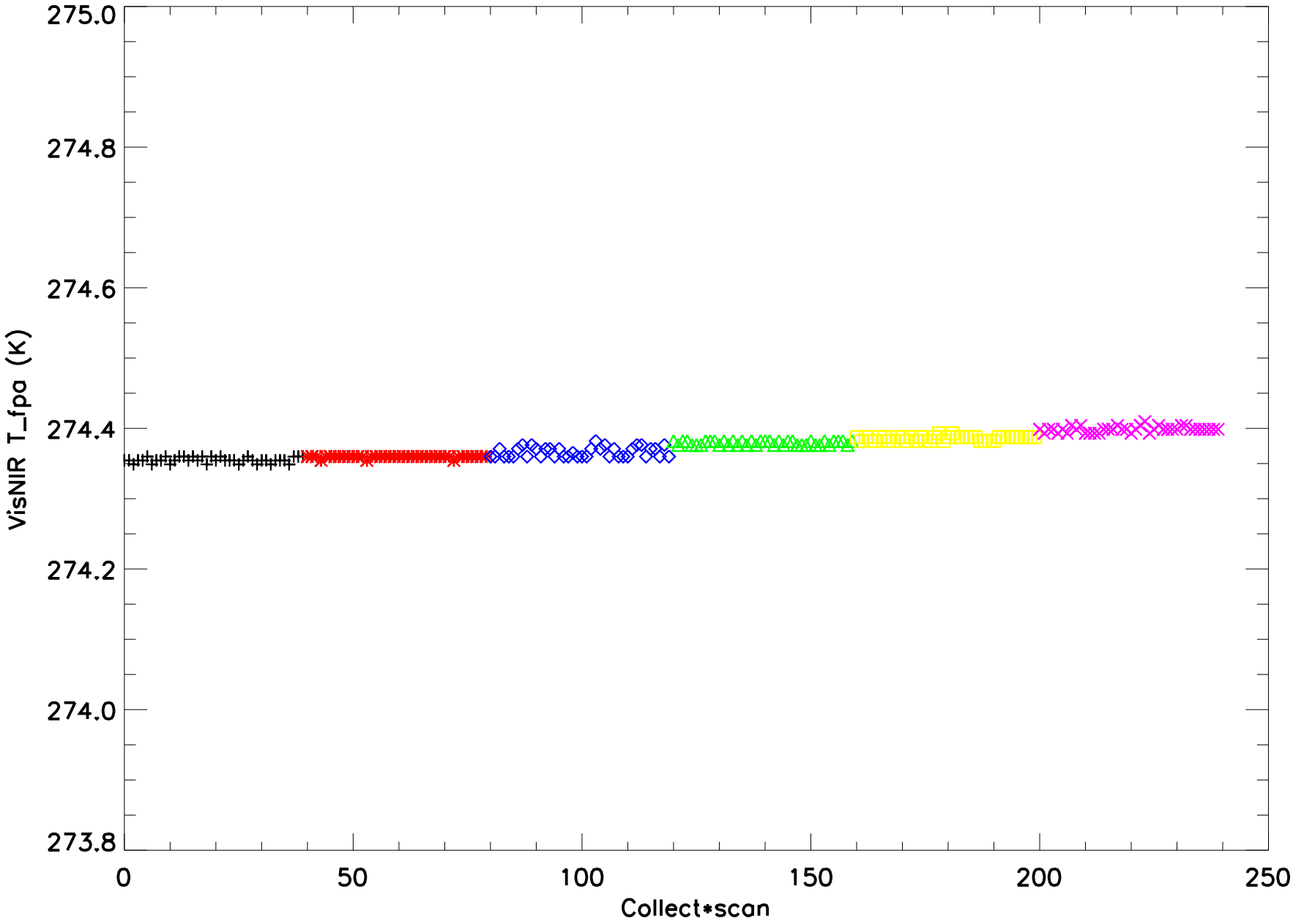

T_OBC per thermistors vs Scan
Collect=1
Collect=2
Collect=3
Collect=4
T_obc (K)
Scan
292.54
292.53
292.52
292.51
292.50
292.49
292.48
292.46
0
10
20
30
40
1
2
3
4
5
6

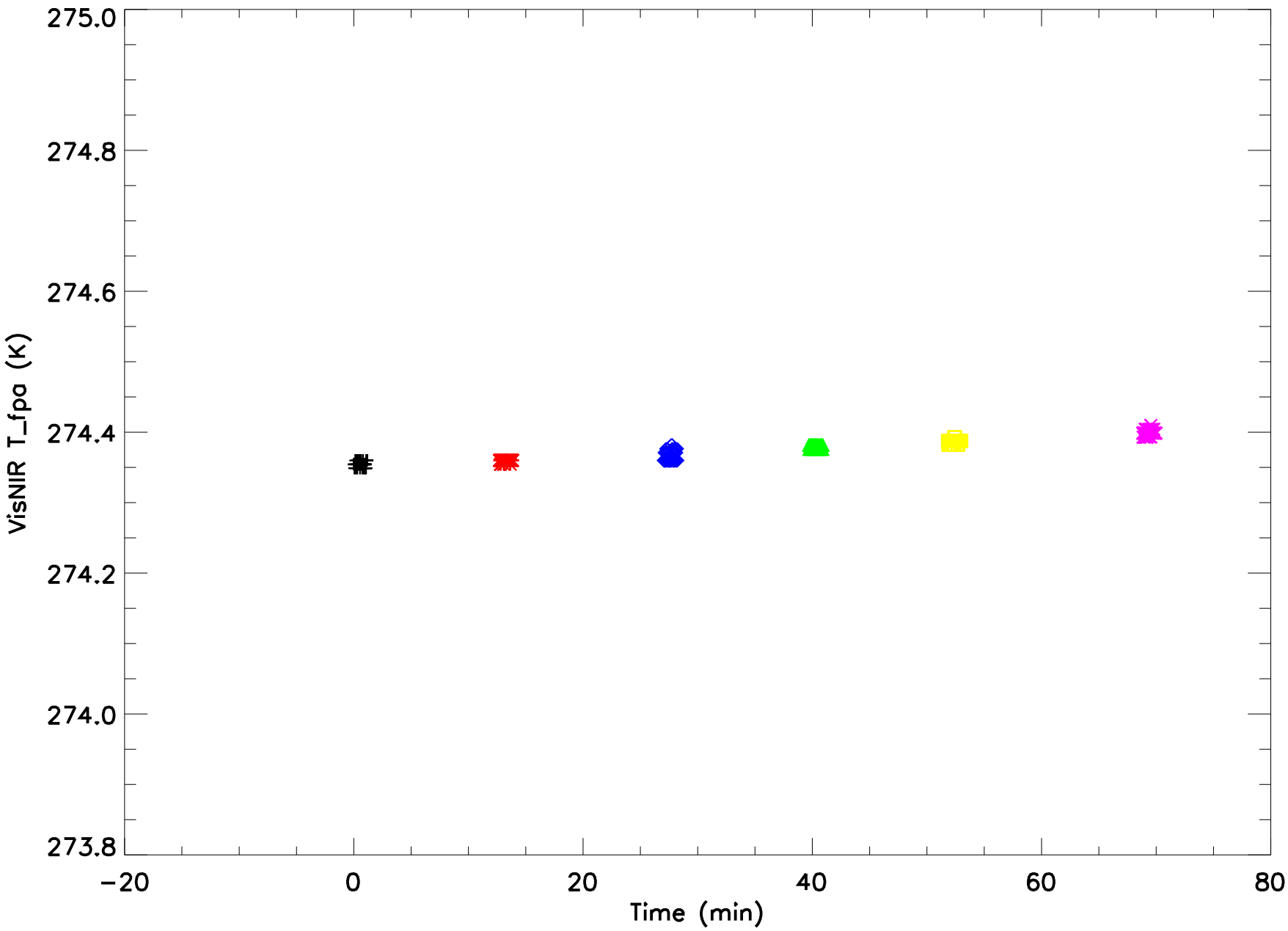
T_OBC per thermistors vs Scan



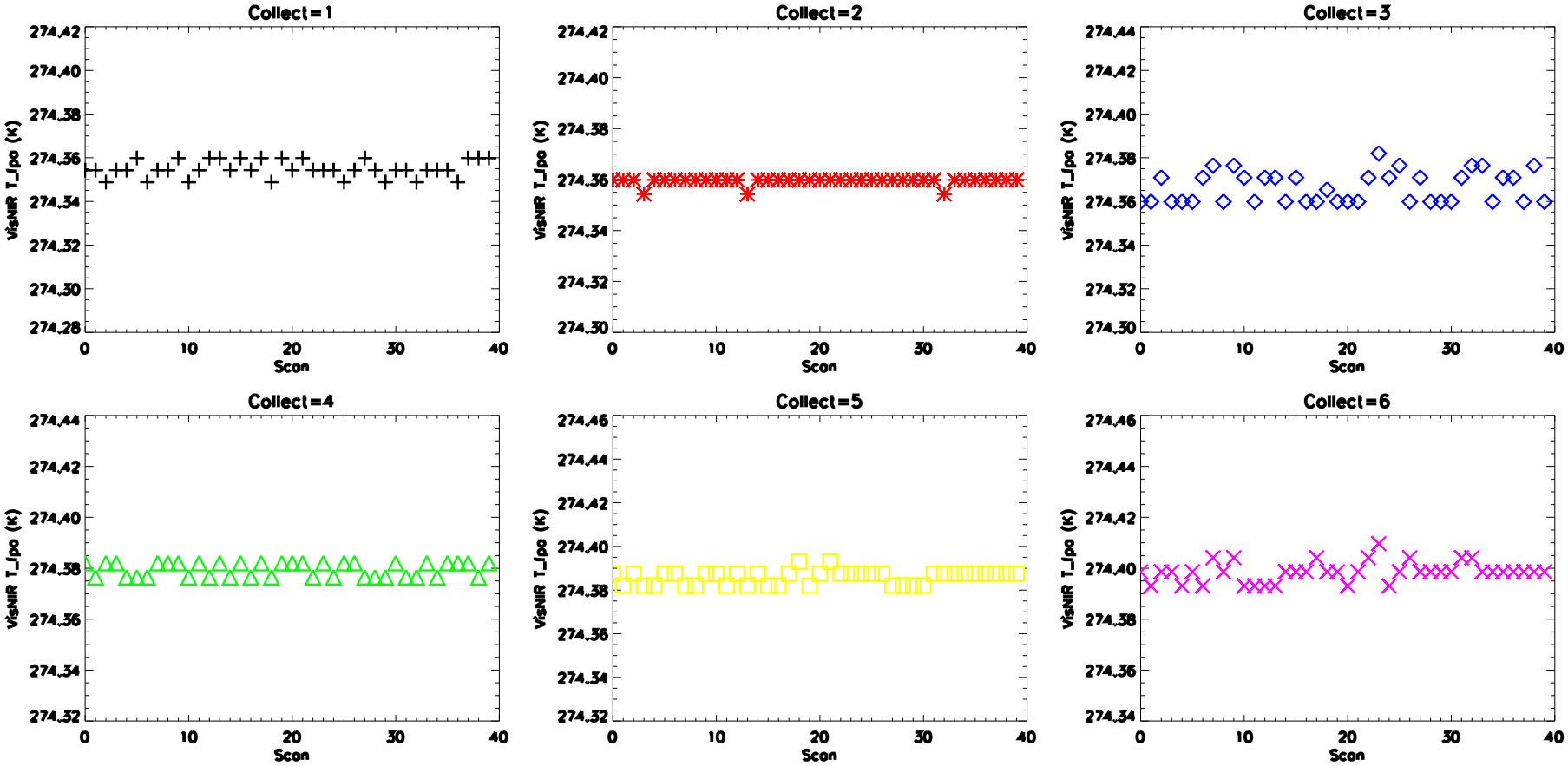

OBC thermistor standard deviation vs Scan and Collect
Standard deviation
0.025
0.020
0.015
0.010
0.005
0.000
0
50
100
150
200
250
Collect*scan

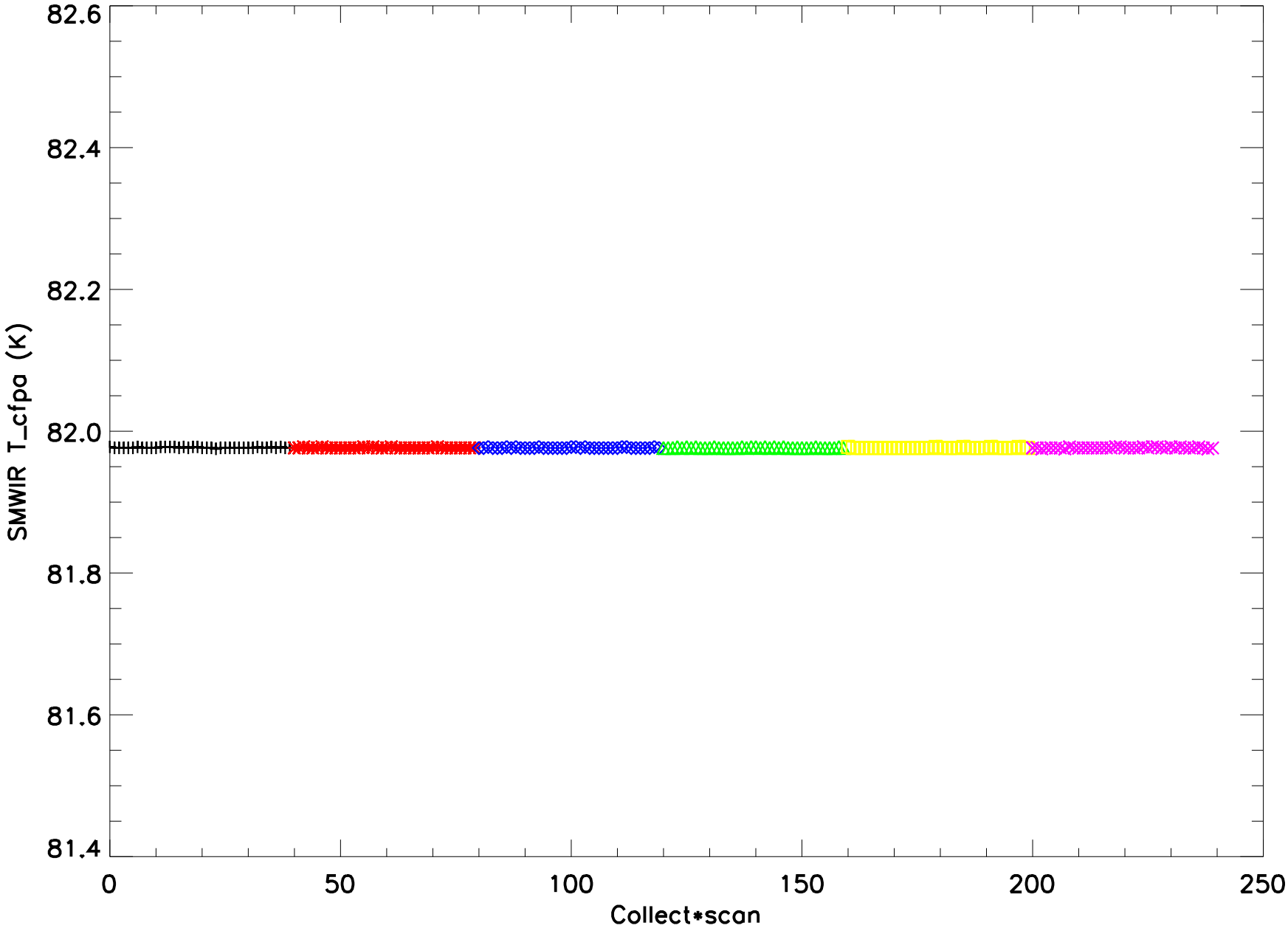

OBC thermistor standard deviation vs Collect
0.020
0.015
0.010
0.005
0.000
Standard deviation
0
2
4
6
8
Collect

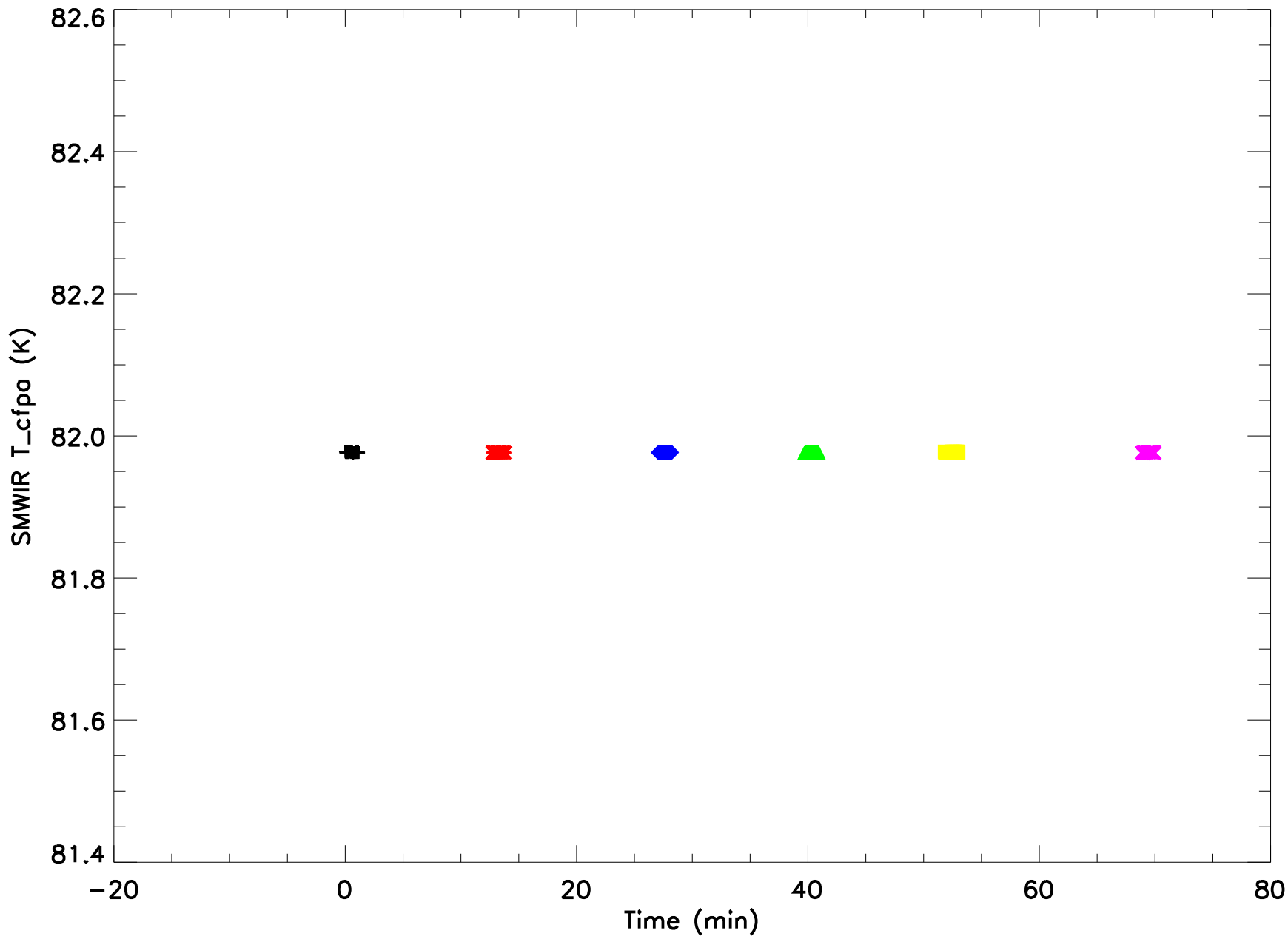

VisNIR T_fpa vs Scan and Collect
275.0
274.8
274.6
274.4
274.2
274.0
273.8
VisNIR T_fpa (K)
0
50
100
150
200
250
Collect*scan


VisNIR T_fpa vs Time
VisNIR T_fpa (K)
275.0
274.8
274.6
274.4
274.2
274.0
273.8
−20
0
20
40
60
80
Time (min)

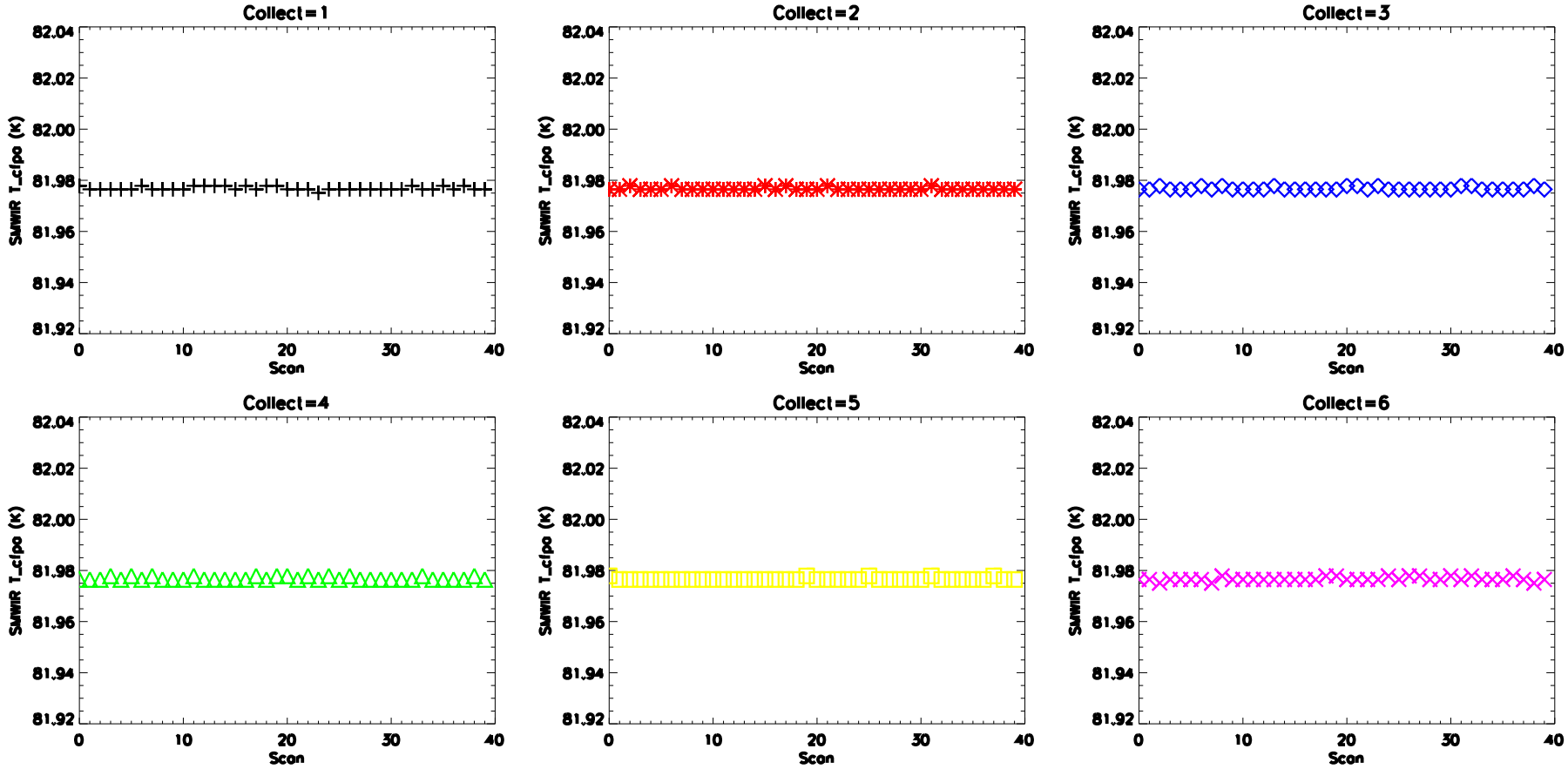
VisNIR T_fpa vs Scan

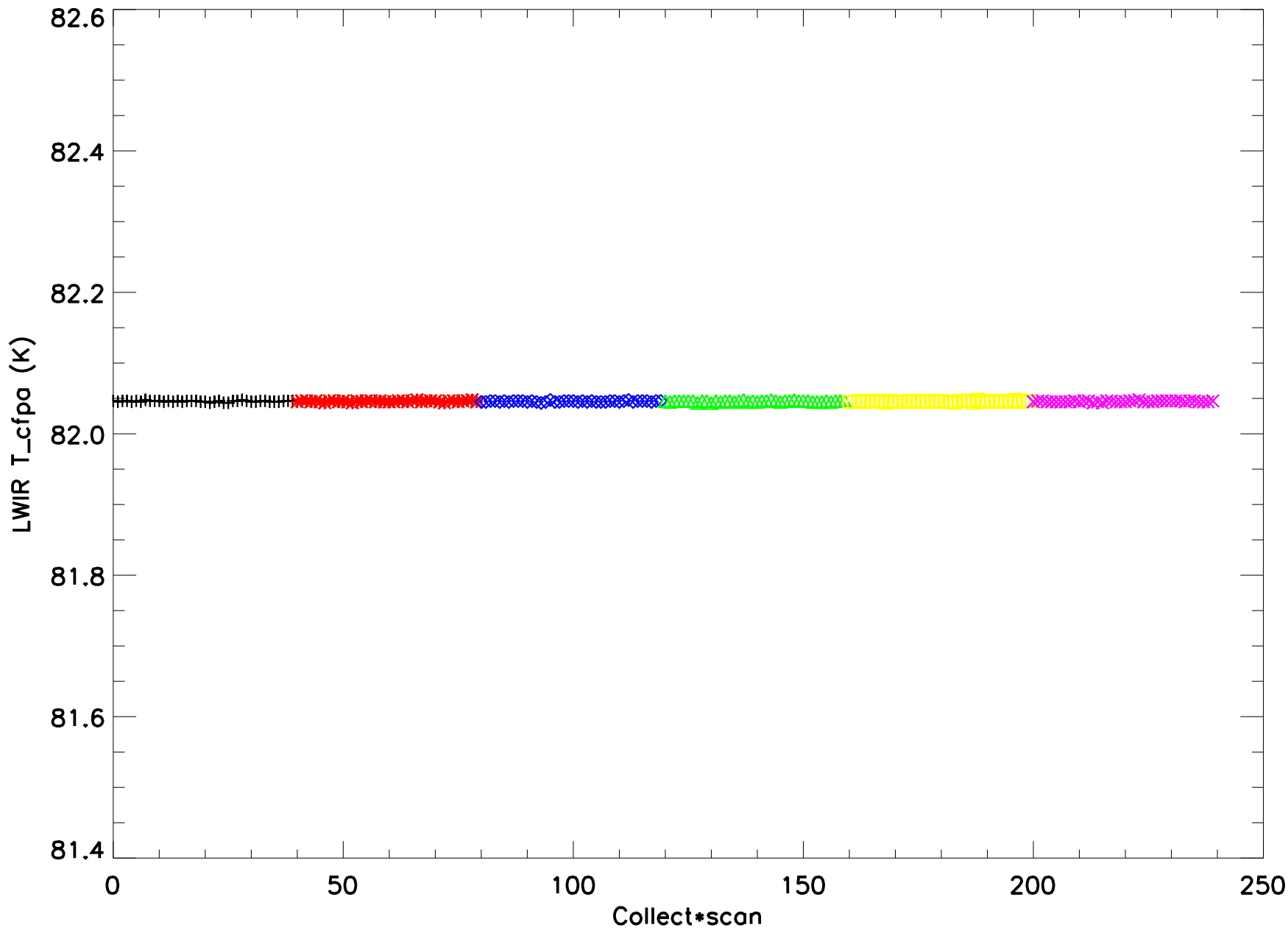


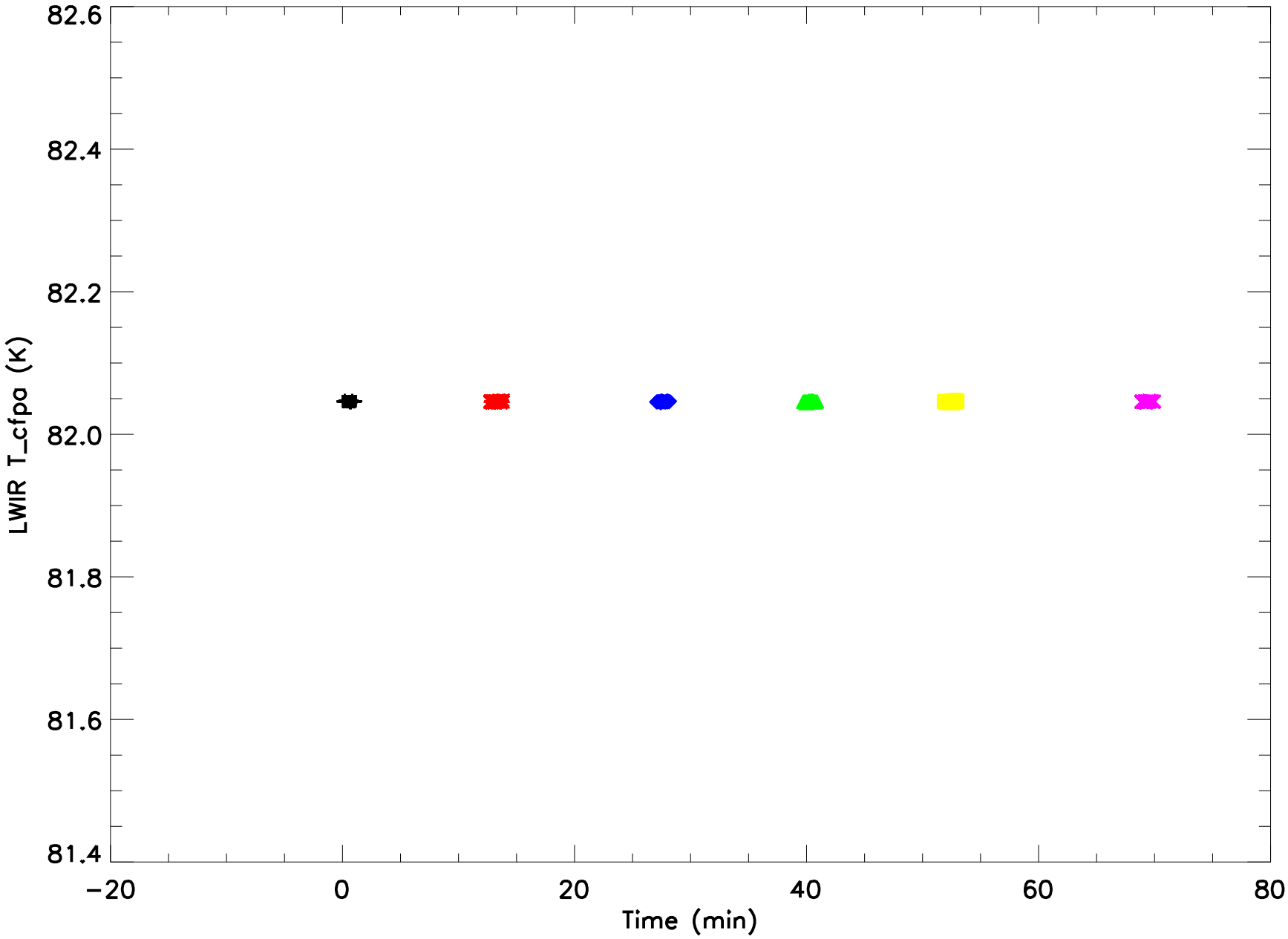

SMWIR T_cfpa vs Scan and Collect
SMWIR T_cfpa (K)
82.6
82.4
82.2
82.0
81.8
81.6
81.4
0
50
100
150
200
250
Collect*scan


SMWIR T_cfpa vs Time
82.6
82.4
82.2
82.0
81.8
81.6
81.4
SMWIR T_cfpa (K)
−20
0
20
40
60
80
Time (min)

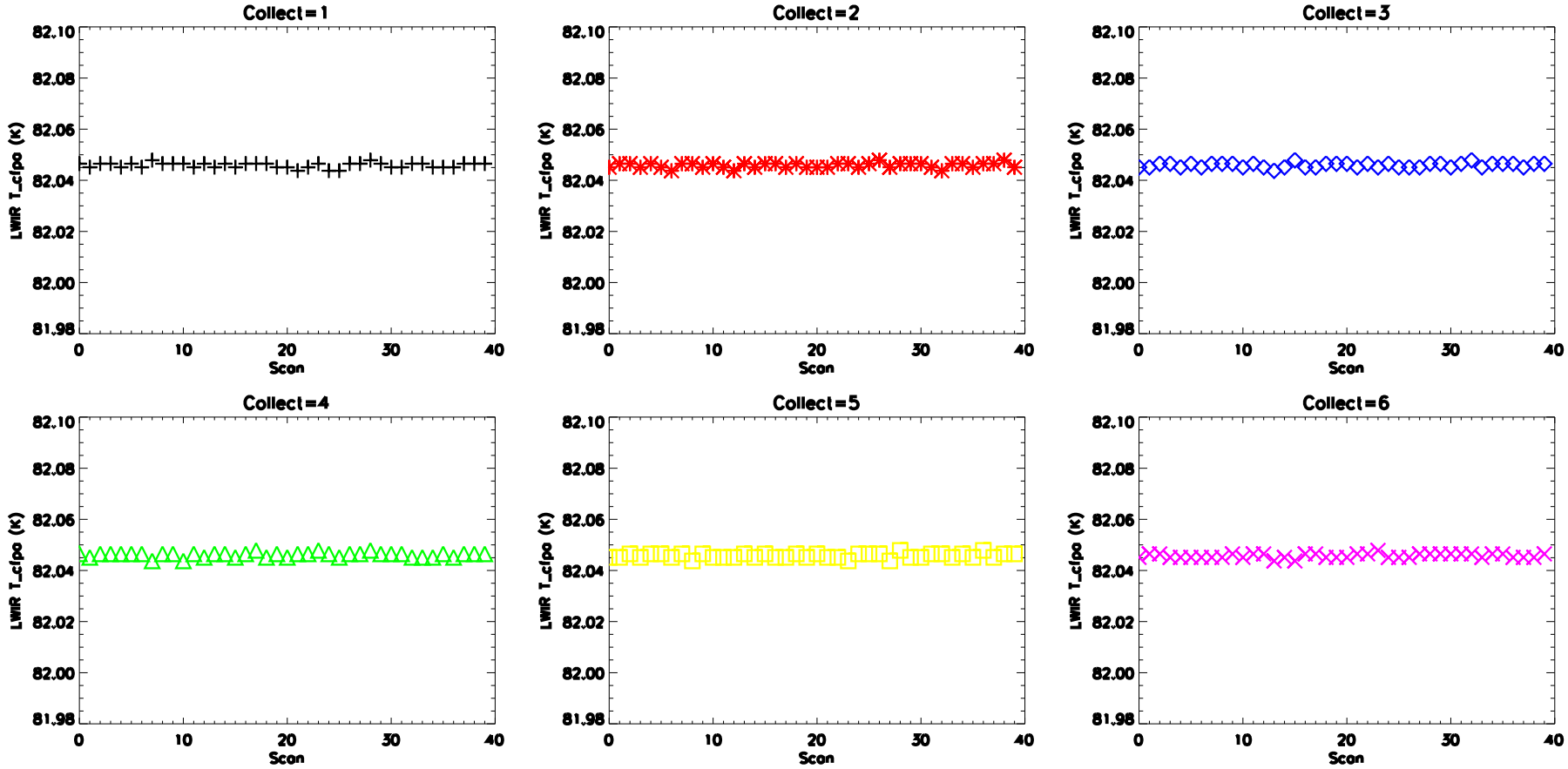
SMWIR T_cfpa vs Scan

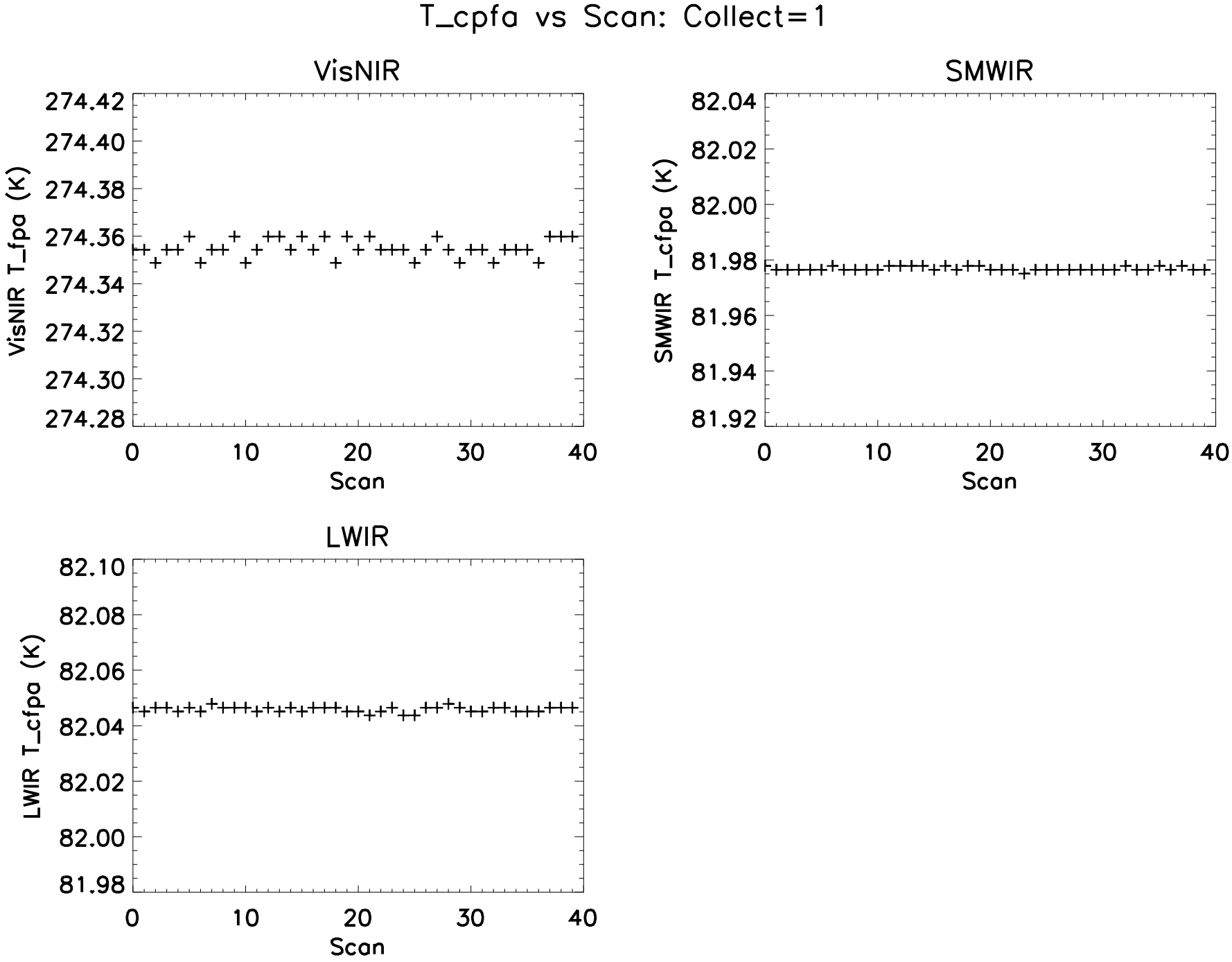


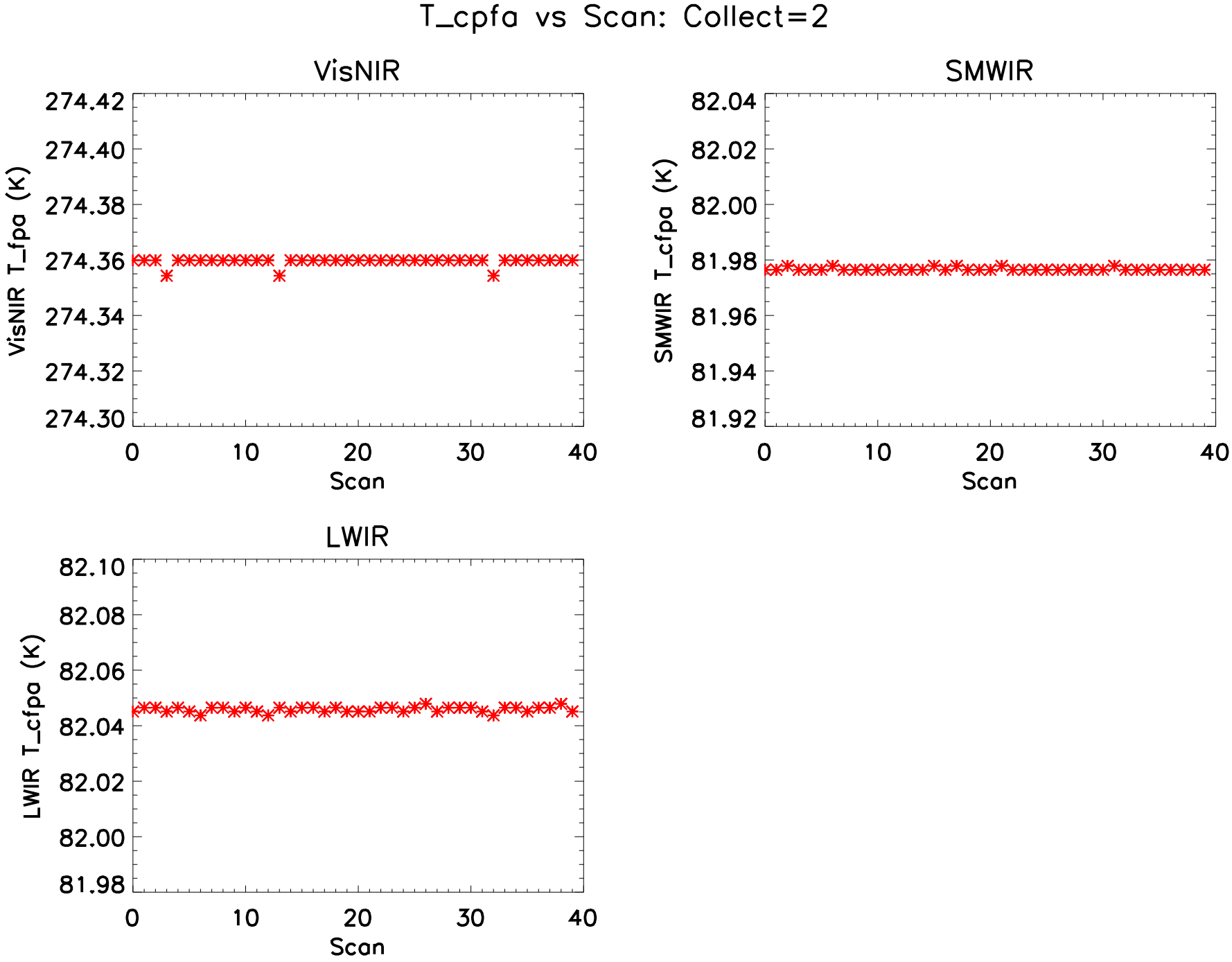

LWIR T_cfpa vs Scan and Collect
LWIR T_cfpa (K)
82.6
82.4
82.2
82.0
81.8
81.6
81.4
0
50
100
150
200
250
Collect*scan

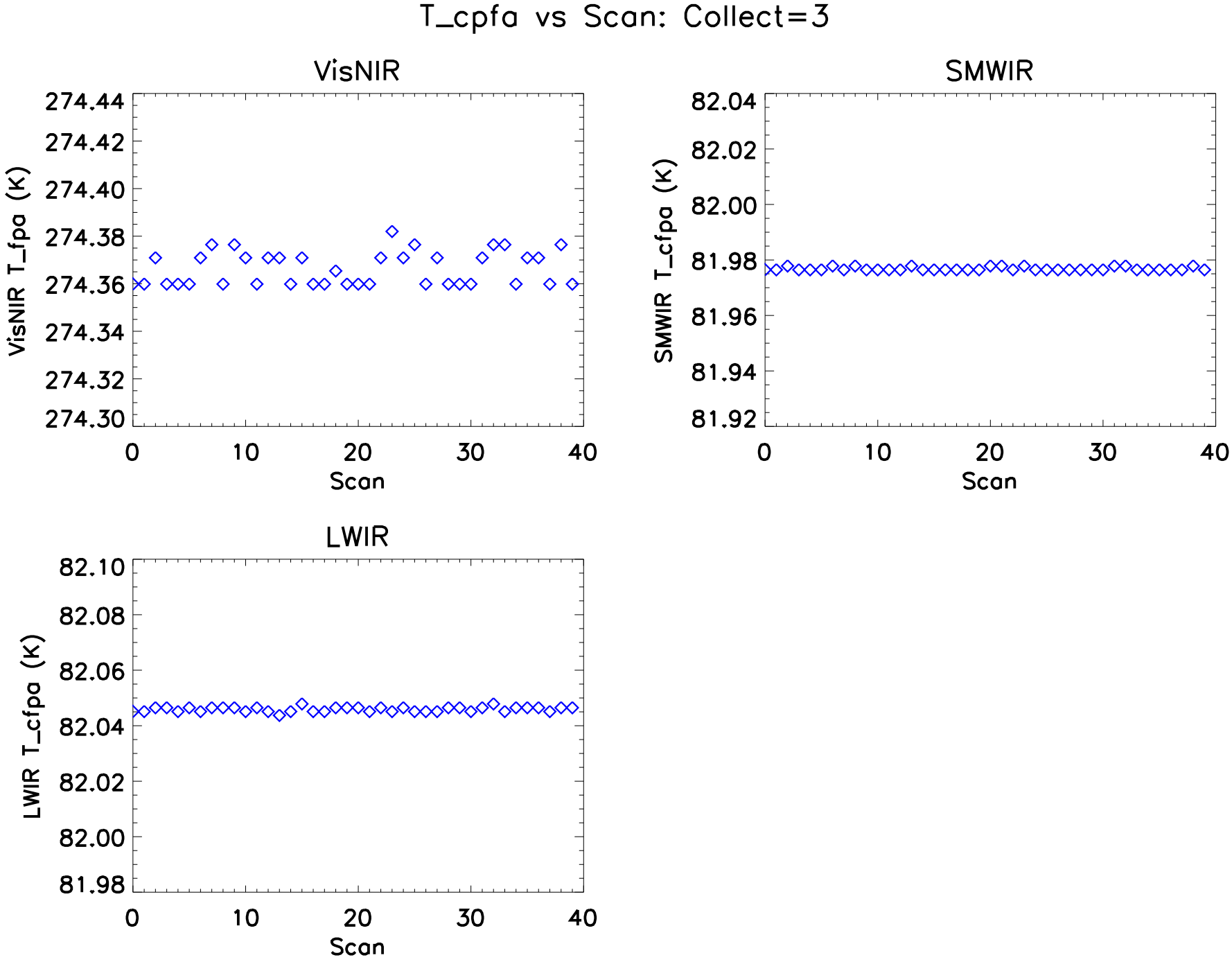

LWIR T_cfpa vs Time
LWIR T_cfpa (K)
82.6
82.4
82.2
82.0
81.8
81.6
81.4
−20
0
20
40
60
80
Time (min)

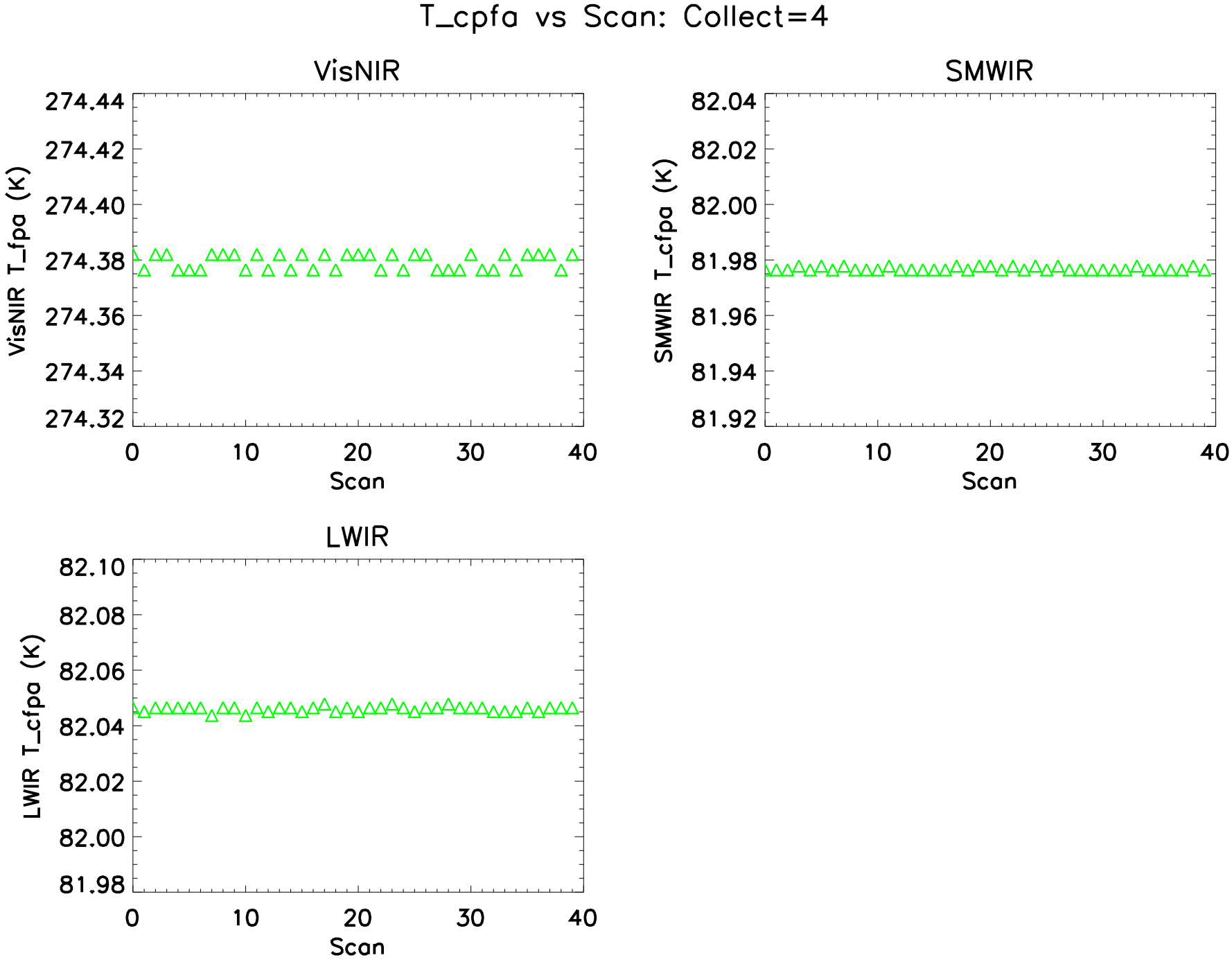
LWIR T_cfpa vs Scan

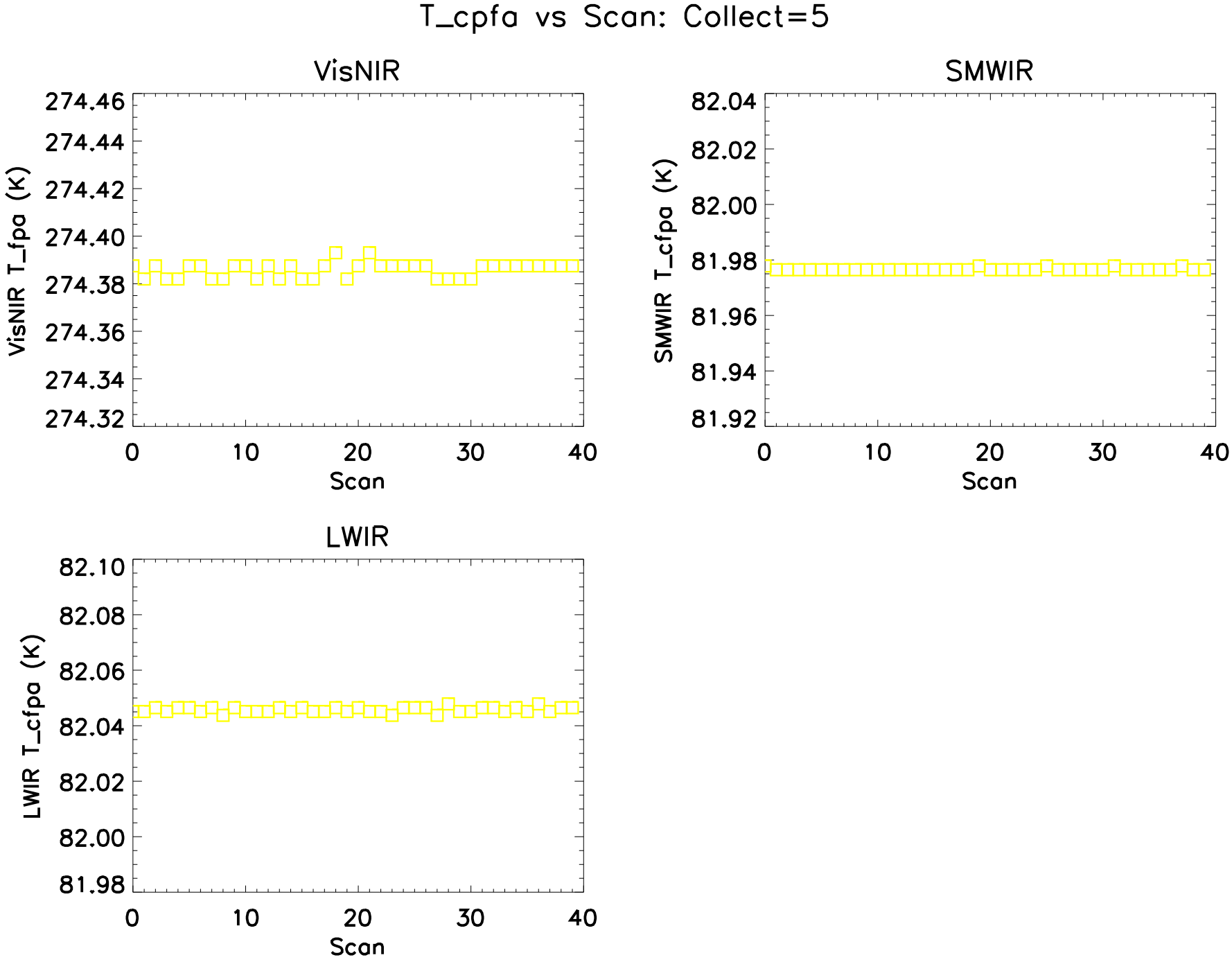


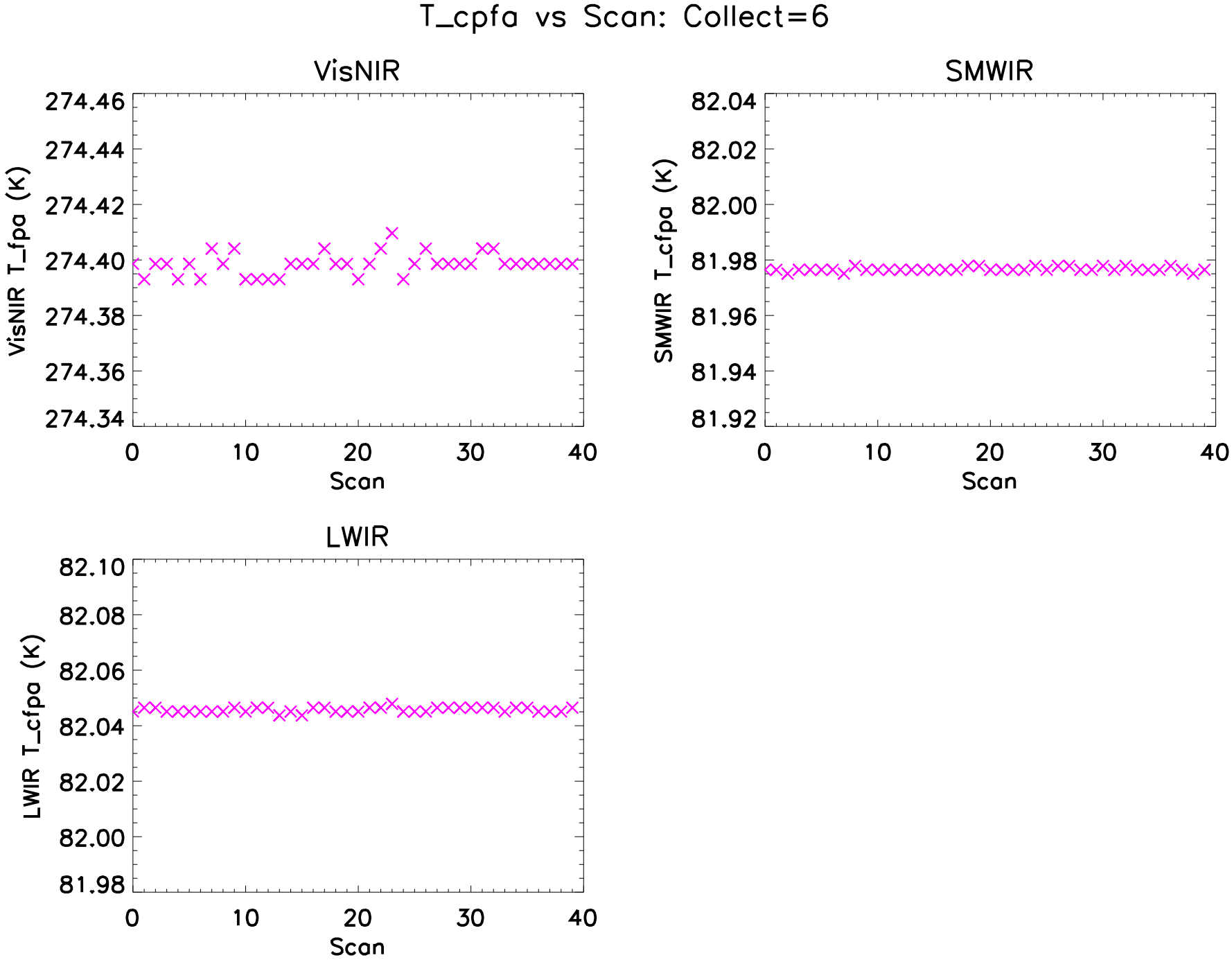

T_cpfa vs Scan: Collect=1
VisNIR
VisNIR T_fpa (K)
274.42
274.40
274.38
274.36
274.34
274.32
274.30
274.28
0
10
20
30
40
Scan
SMWIR
SMWIR T_cfpa (K)
82.04
82.02
82.00
81.98
81.96
81.94
81.92
0
10
20
30
40
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
Scan

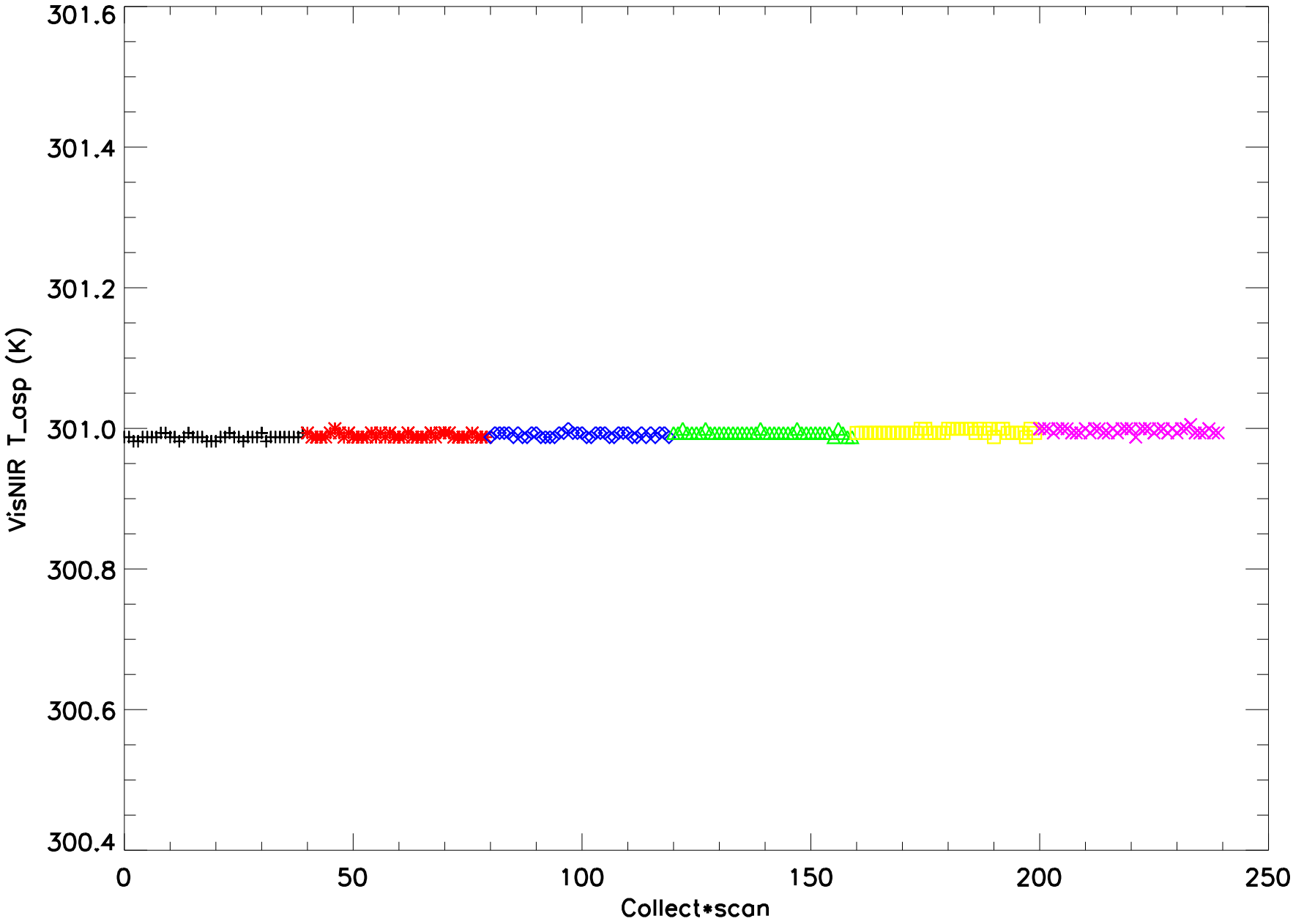

T_cpfa vs Scan: Collect=2
VisNIR
VisNIR T_fpa (K)
274.42
274.40
274.38
274.36
274.34
274.32
274.30
0
10
20
30
40
Scan
SMWIR
SMWIR T_cfpa (K)
82.04
82.02
82.00
81.98
81.96
81.94
81.92
0
10
20
30
40
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
Scan

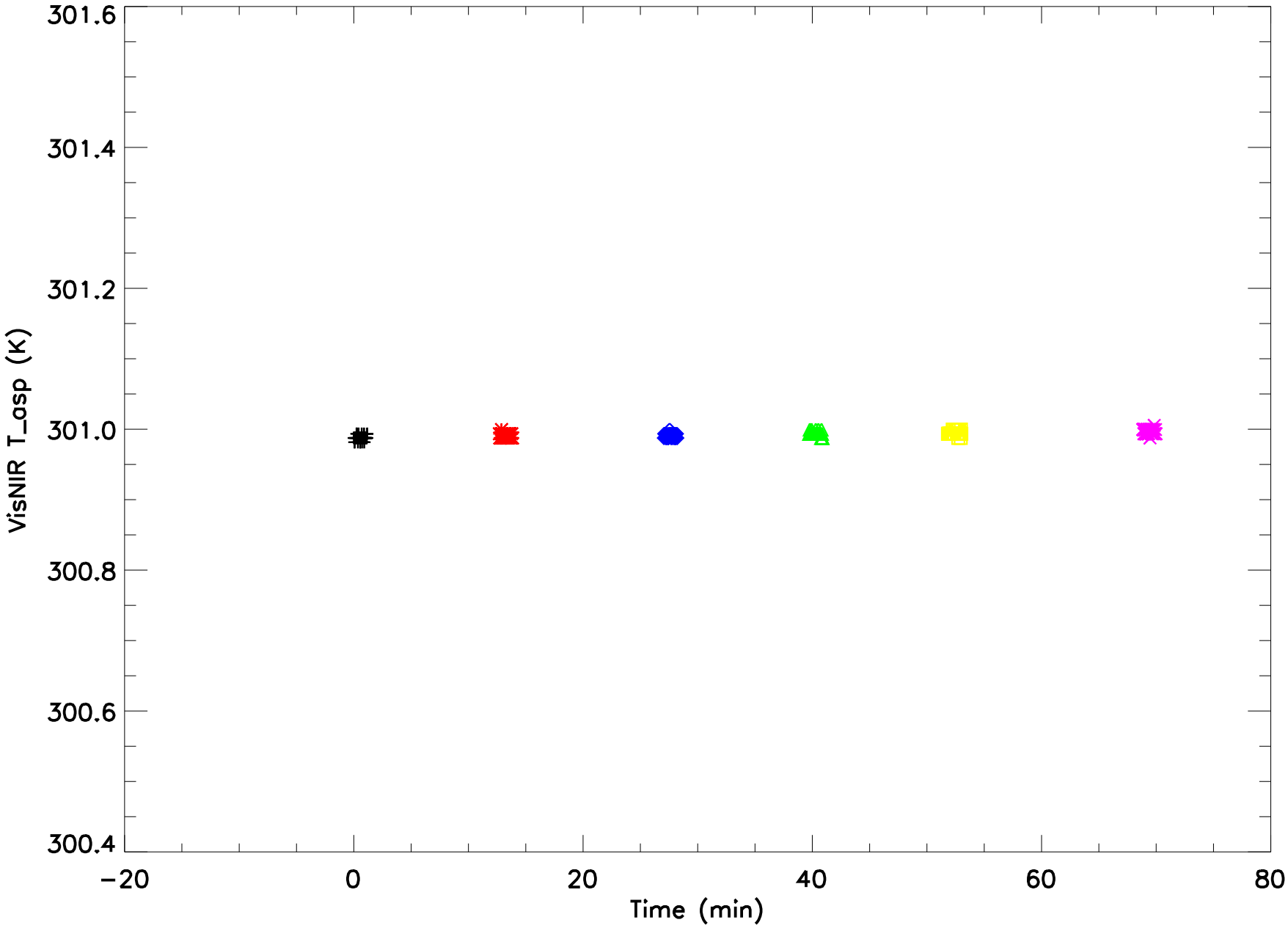

T_cpfa vs Scan: Collect=3
VisNIR
VisNIR T_fpa (K)
274.44
274.42
274.40
274.38
274.36
274.34
274.32
274.30
0
10
20
30
40
Scan
SMWIR
SMWIR T_cfpa (K)
82.04
82.02
82.00
81.98
81.96
81.94
81.92
0
10
20
30
40
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
Scan


T_cpfa vs Scan: Collect=4
VisNIR
VisNIR T_fpa (K)
274.44
274.42
274.40
274.38
274.36
274.34
274.32
0
10
20
30
40
Scan
SMWIR
SMWIR T_cfpa (K)
82.04
82.02
82.00
81.98
81.96
81.94
81.92
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

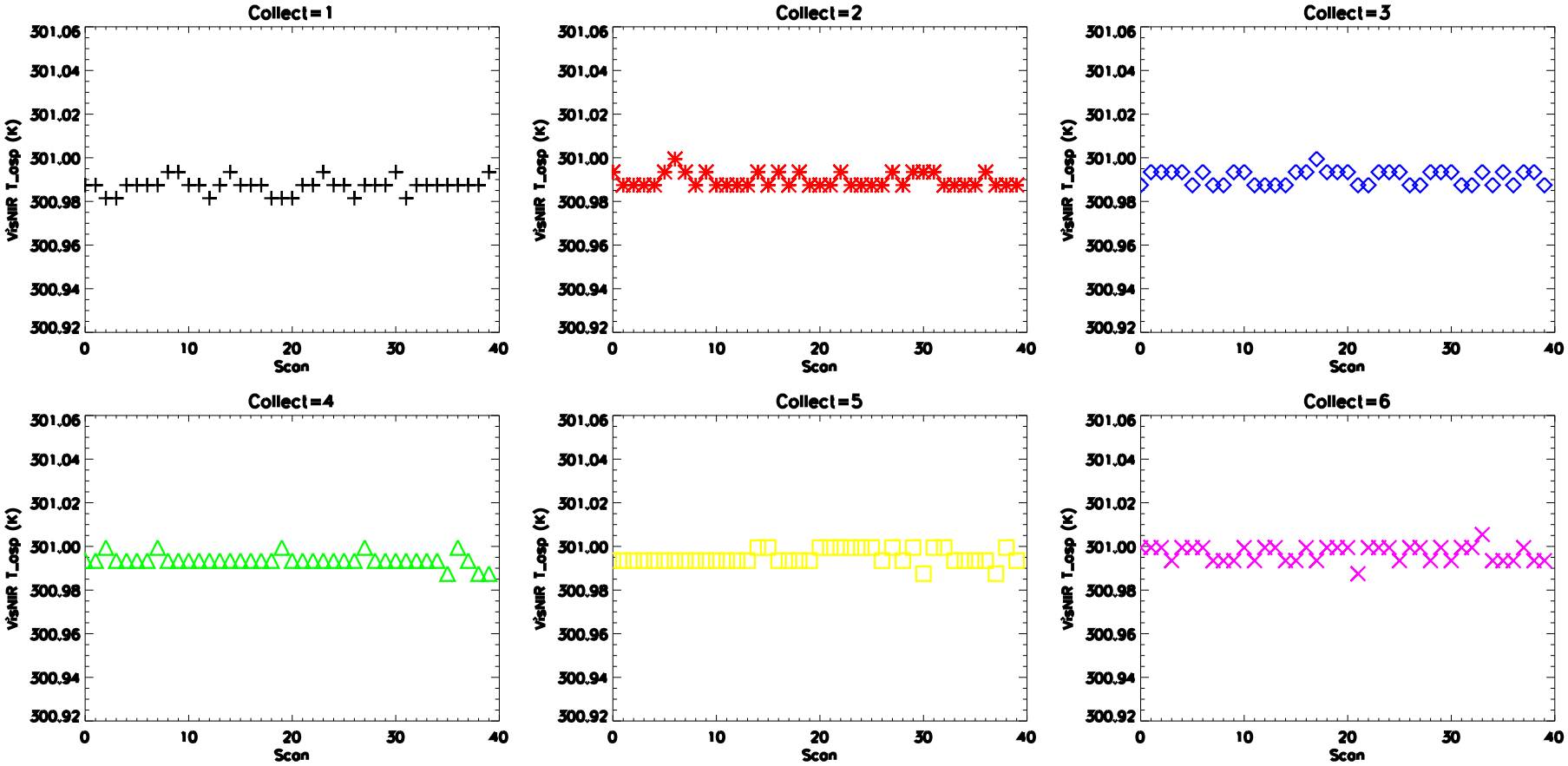

T_cpfa vs Scan: Collect=5
VisNIR
VisNIR T_fpa (K)
274.46
274.44
274.42
274.40
274.38
274.36
274.34
274.32
0
10
20
30
40
Scan
SMWIR
SMWIR T_cfpa (K)
82.04
82.02
82.00
81.98
81.96
81.94
81.92
0
10
20
30
40
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
Scan

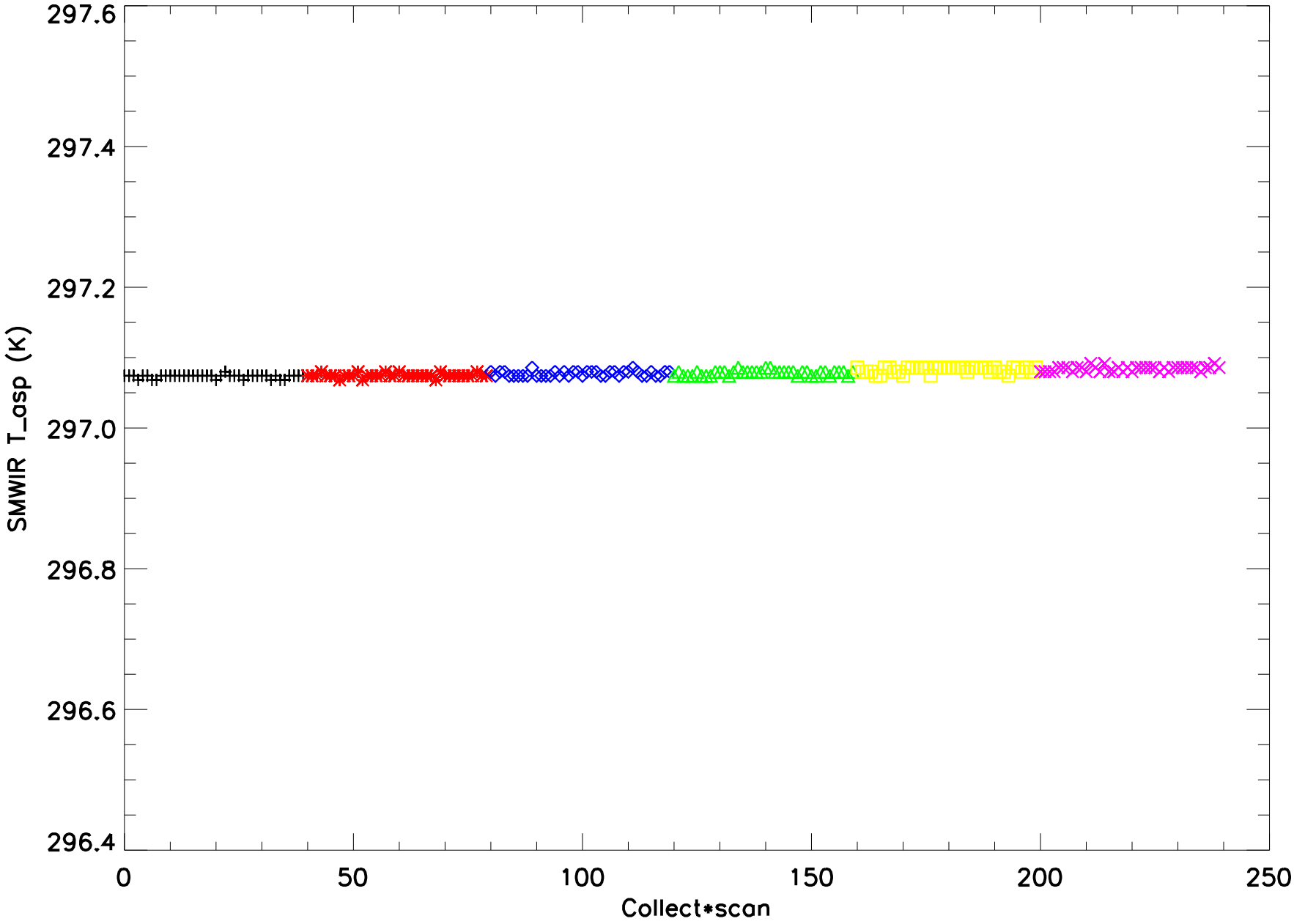

T_cpfa vs Scan: Collect=6
VisNIR
VisNIR T_fpa (K)
274.46
274.44
274.42
274.40
274.38
274.36
274.34
0
10
20
30
40
Scan
SMWIR
SMWIR T_cfpa (K)
82.04
82.02
82.00
81.98
81.96
81.94
81.92
0
10
20
30
40
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
Scan

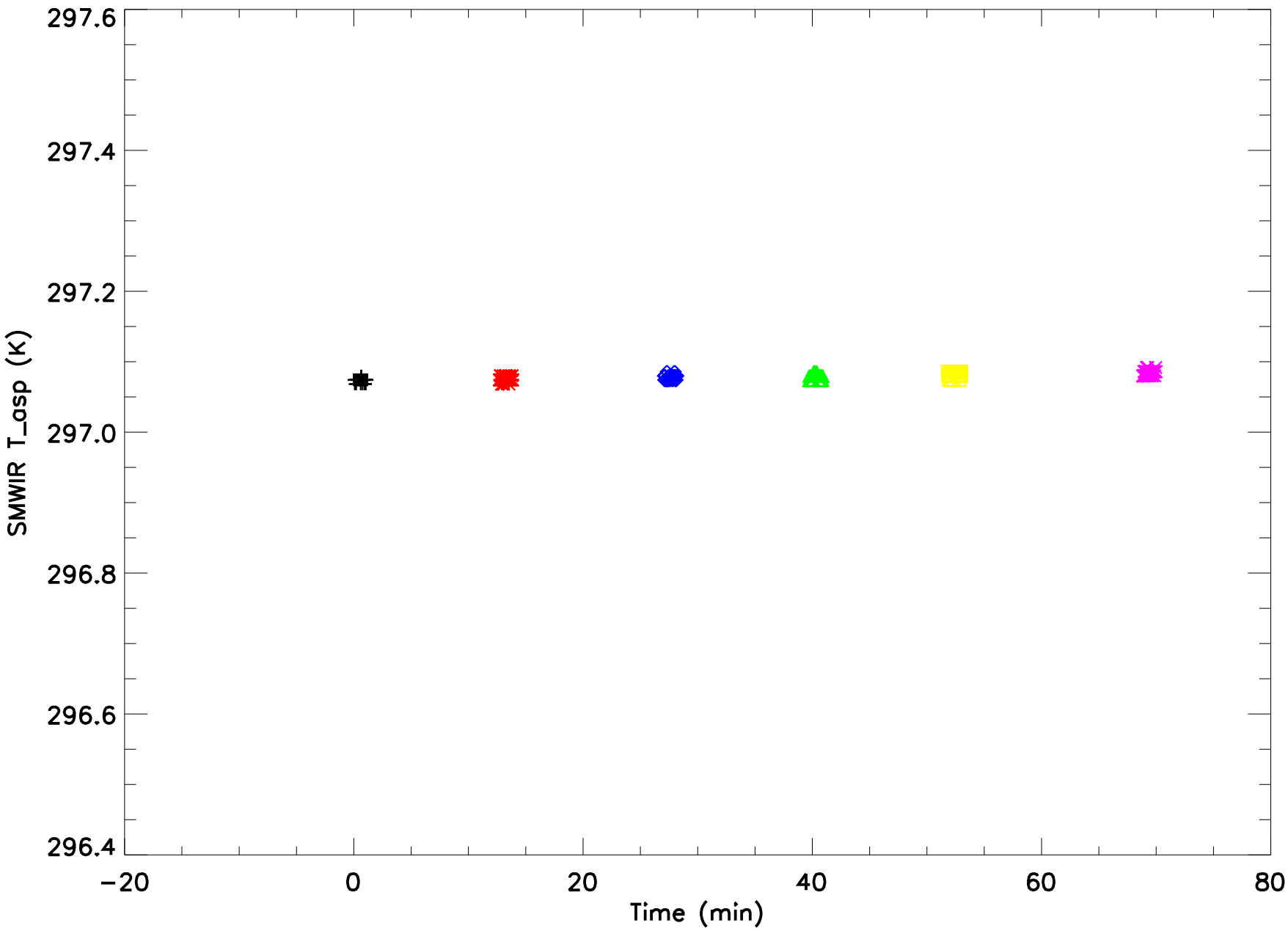

VisNIR T_asp vs Scan and Collect
301.6
301.4
301.2
301.0
300.8
300.6
300.4
VisNIR T_asp (K)
0
50
100
150
200
250
Collect*scan


VisNIR T_asp vs Time
VisNIR T_asp (K)
301.6
301.4
301.2
301.0
300.8
300.6
300.4
−20
0
20
40
60
80
Time (min)

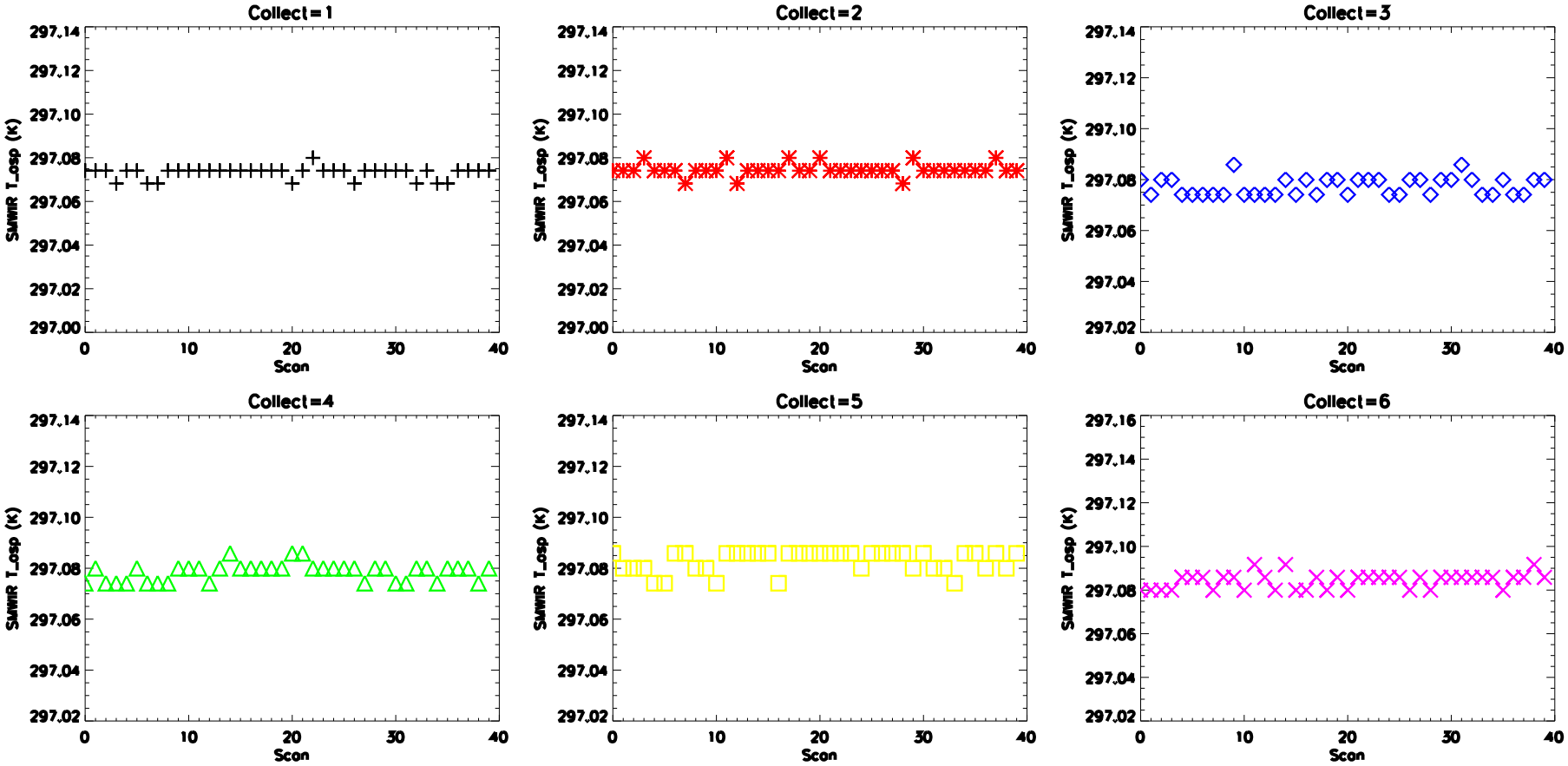
VisNIR T_asp vs Scan

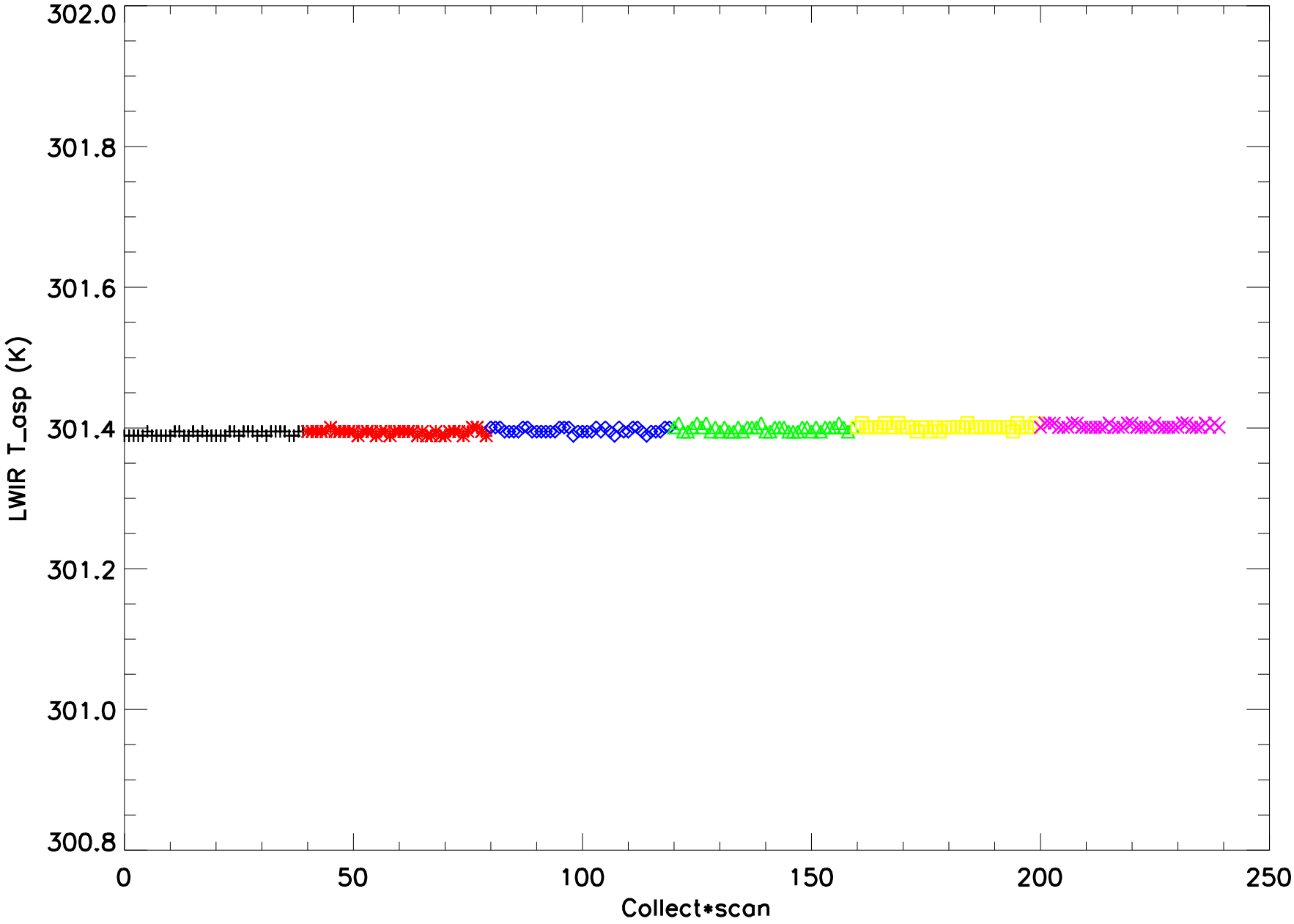


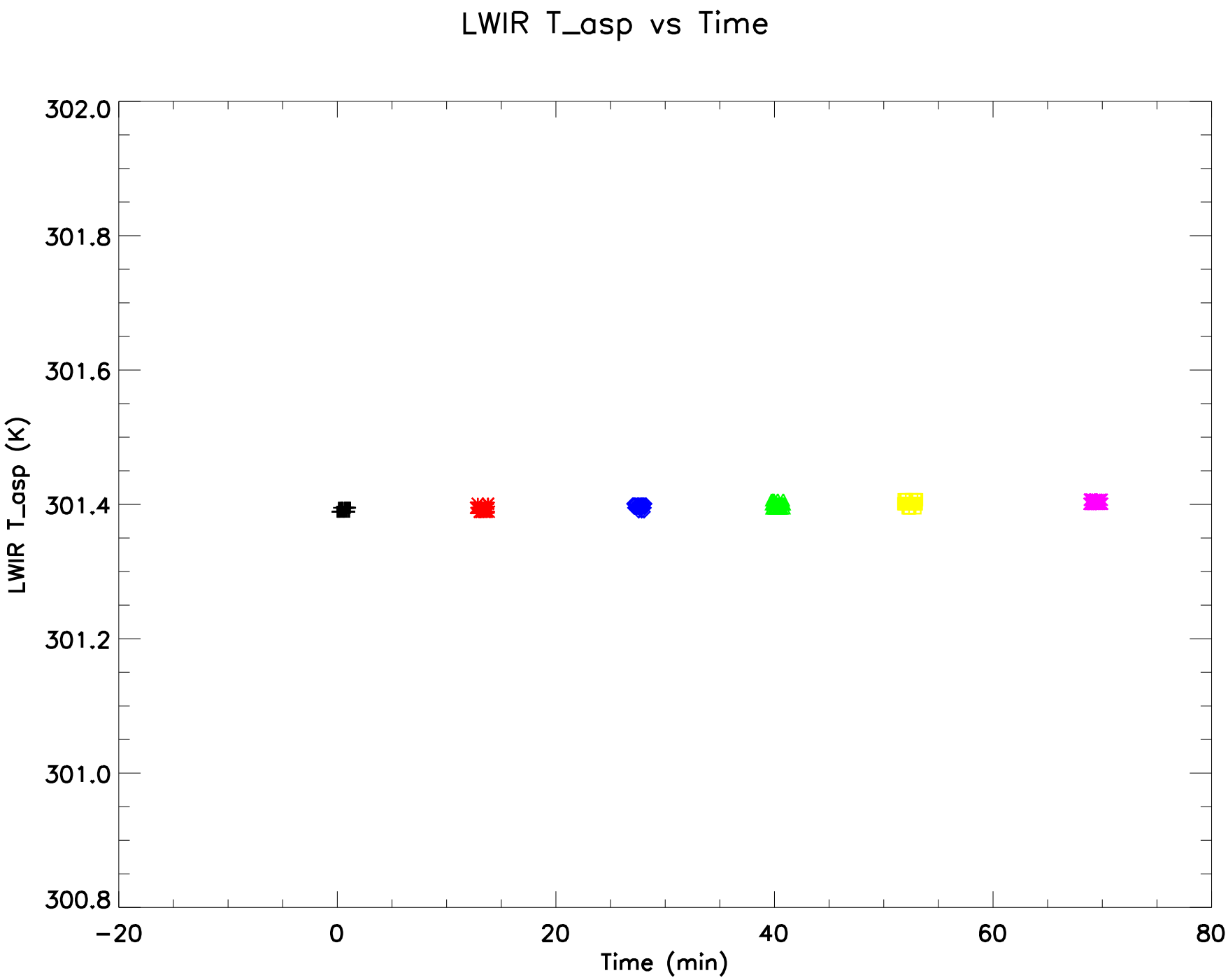

SMWIR T_asp vs Scan and Collect
SMWIR T_asp (K)
297.6
297.4
297.2
297.0
296.8
296.6
296.4
0
50
100
150
200
250
Collect*scan


SMWIR T_asp vs Time
SMWIR T_asp (K)
297.6
297.4
297.2
297.0
296.8
296.6
296.4
−20
0
20
40
60
80
Time (min)

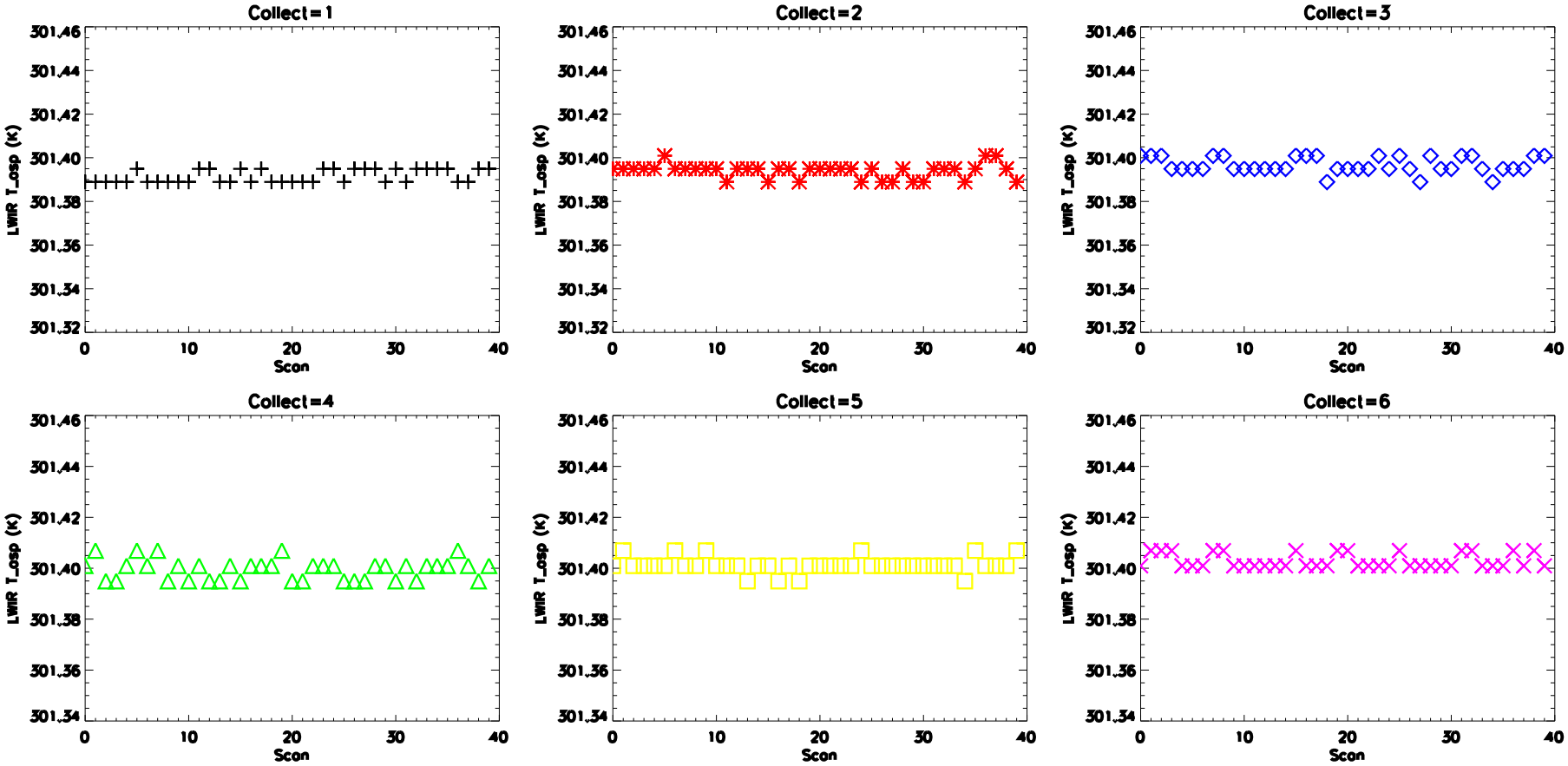
SMWIR T_asp vs Scan

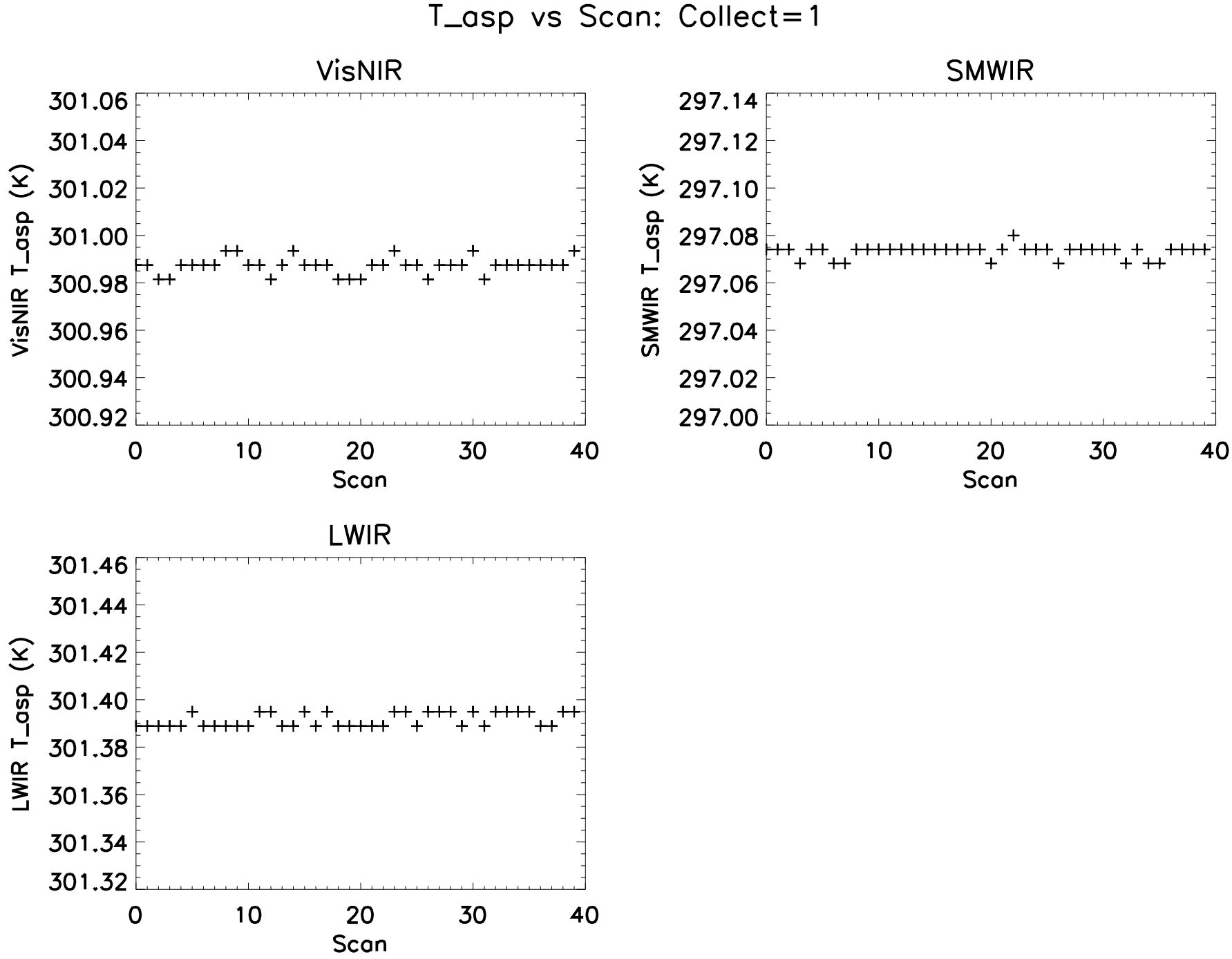


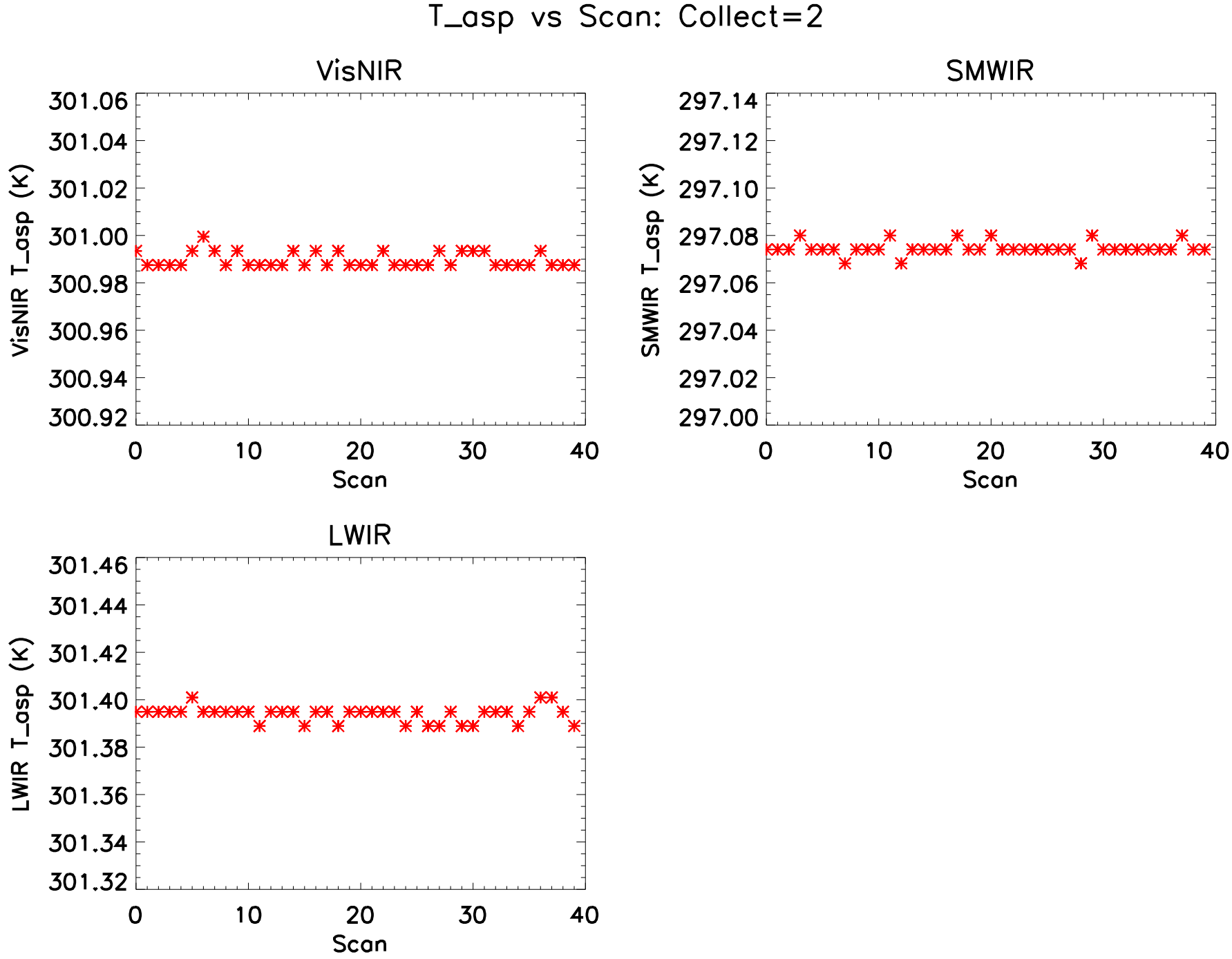

LWIR T_asp vs Scan and Collect
LWIR T_asp (K)
302.0
301.8
301.6
301.4
301.2
301.0
300.8
0
50
100
150
200
250
Collect*scan

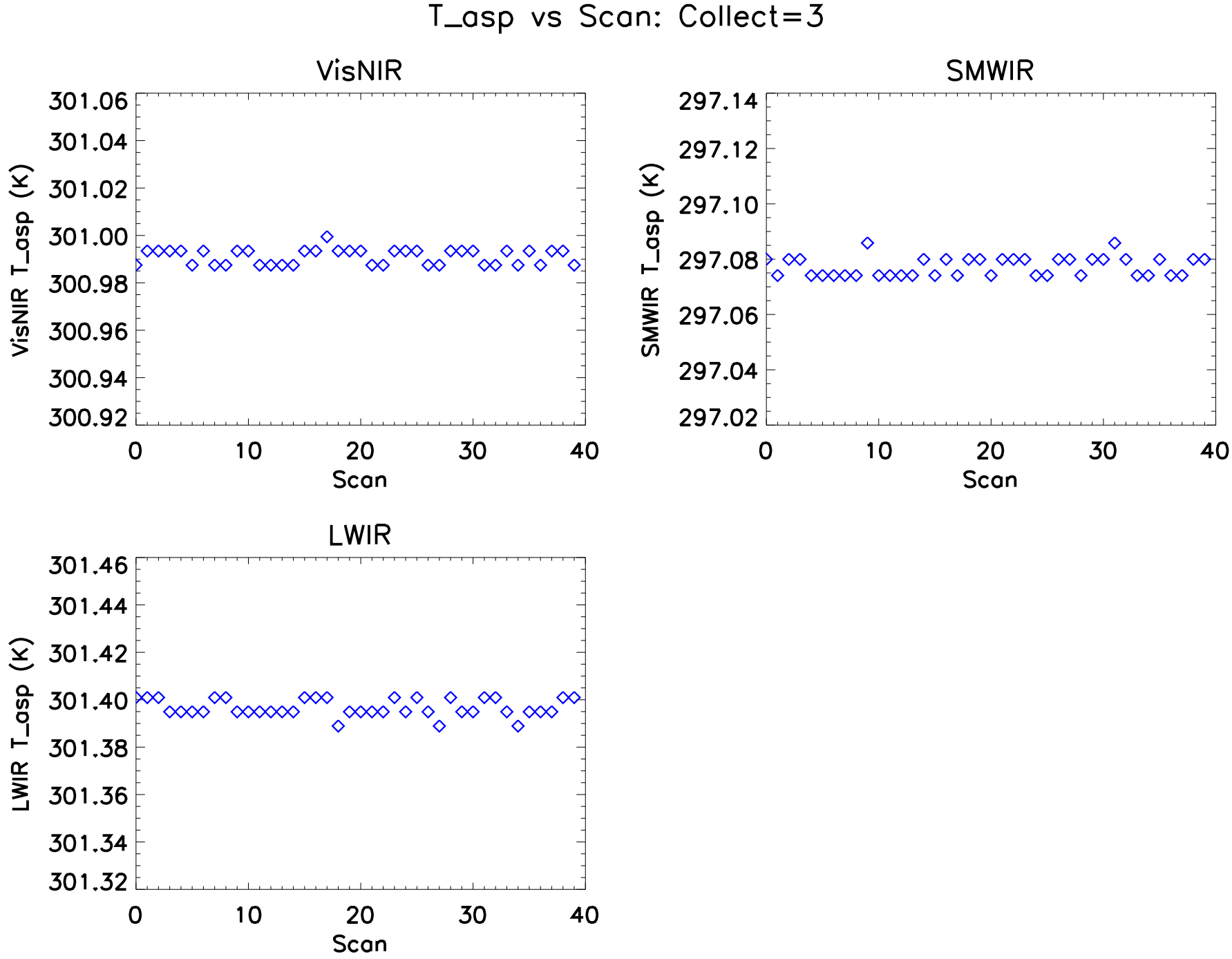

LWIR T_asp vs Time
LWIR T_asp (K)
302.0
301.8
301.6
301.4
301.2
301.0
300.8
−20
0
20
40
60
80
Time (min)

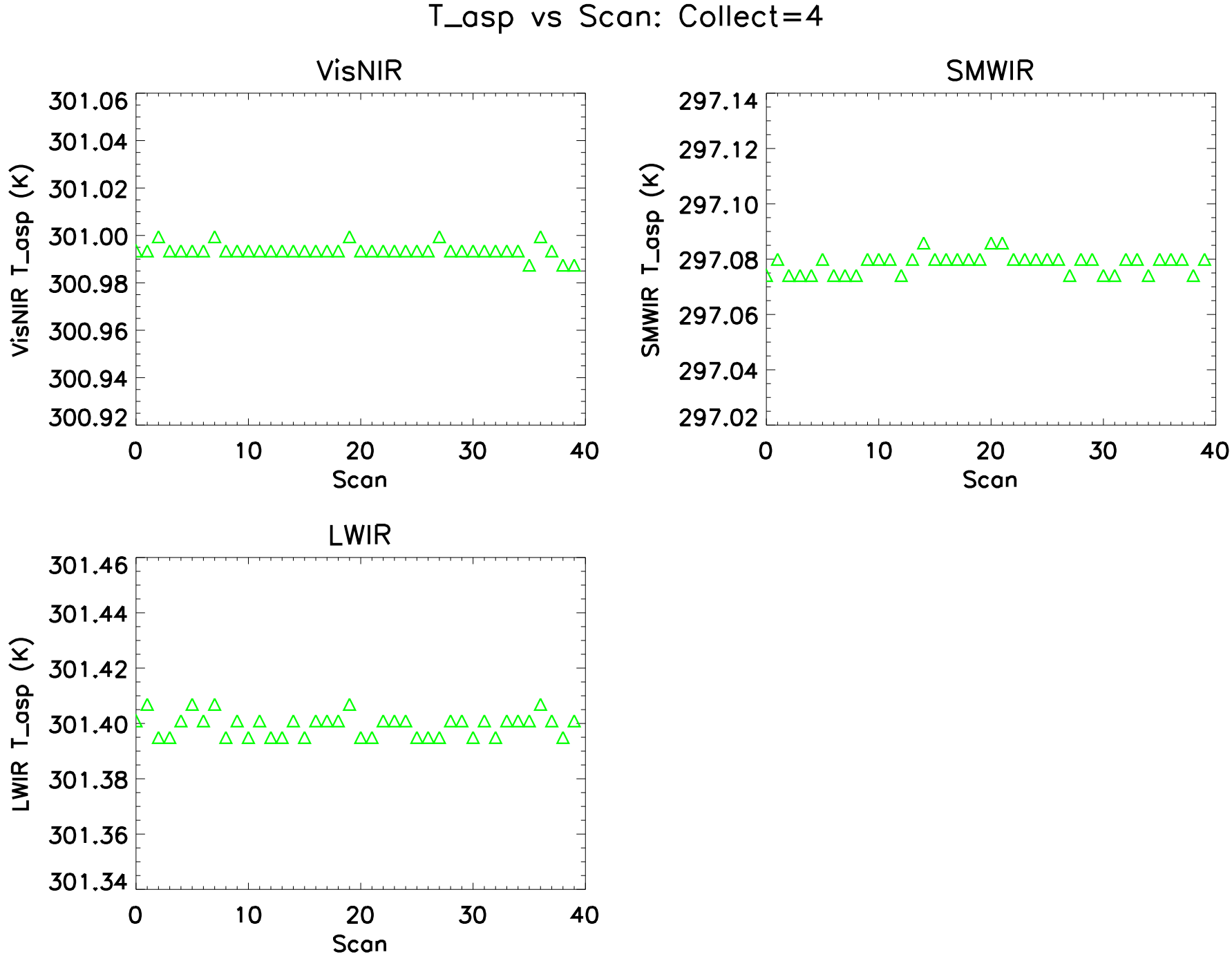
LWIR T_asp vs Scan

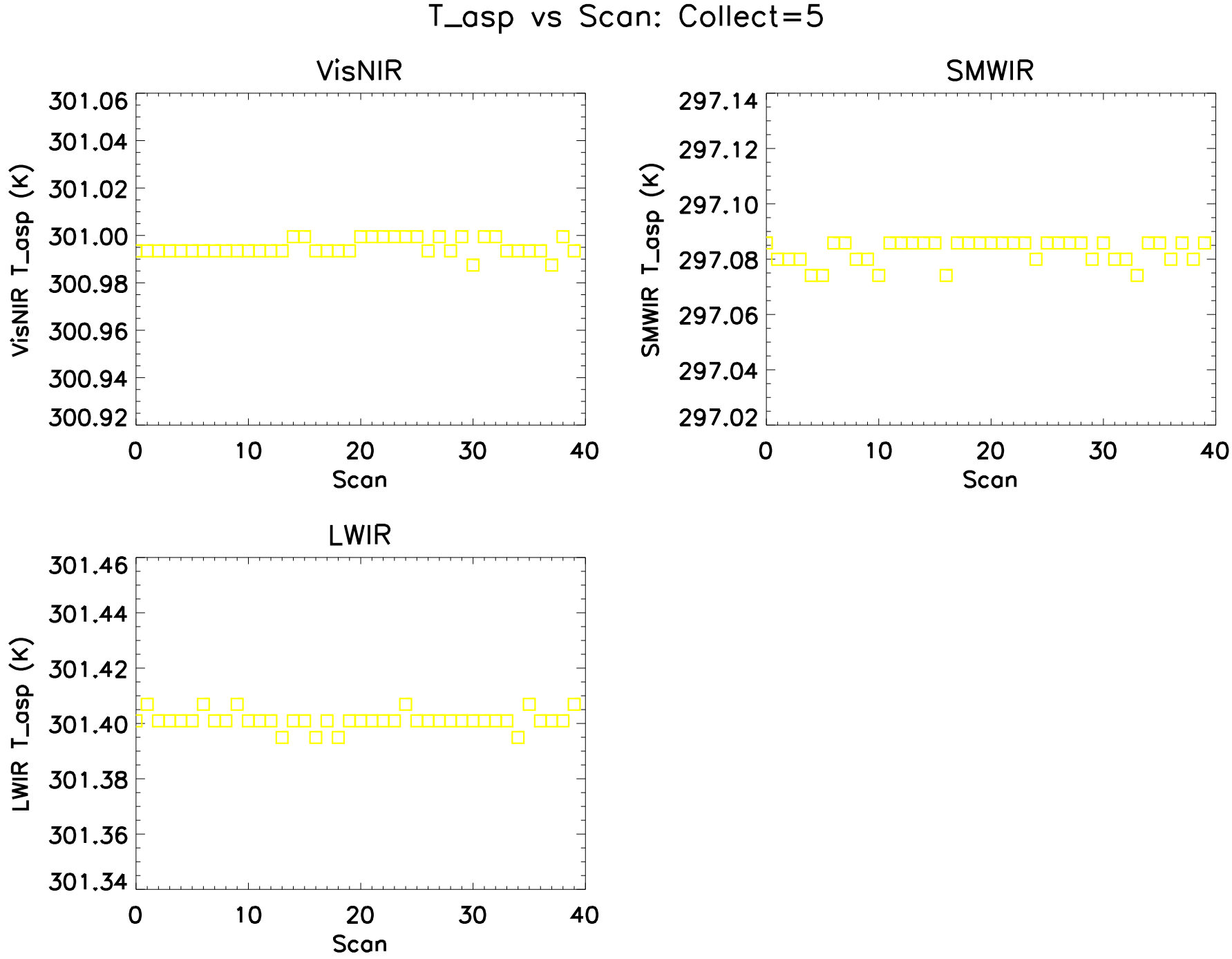


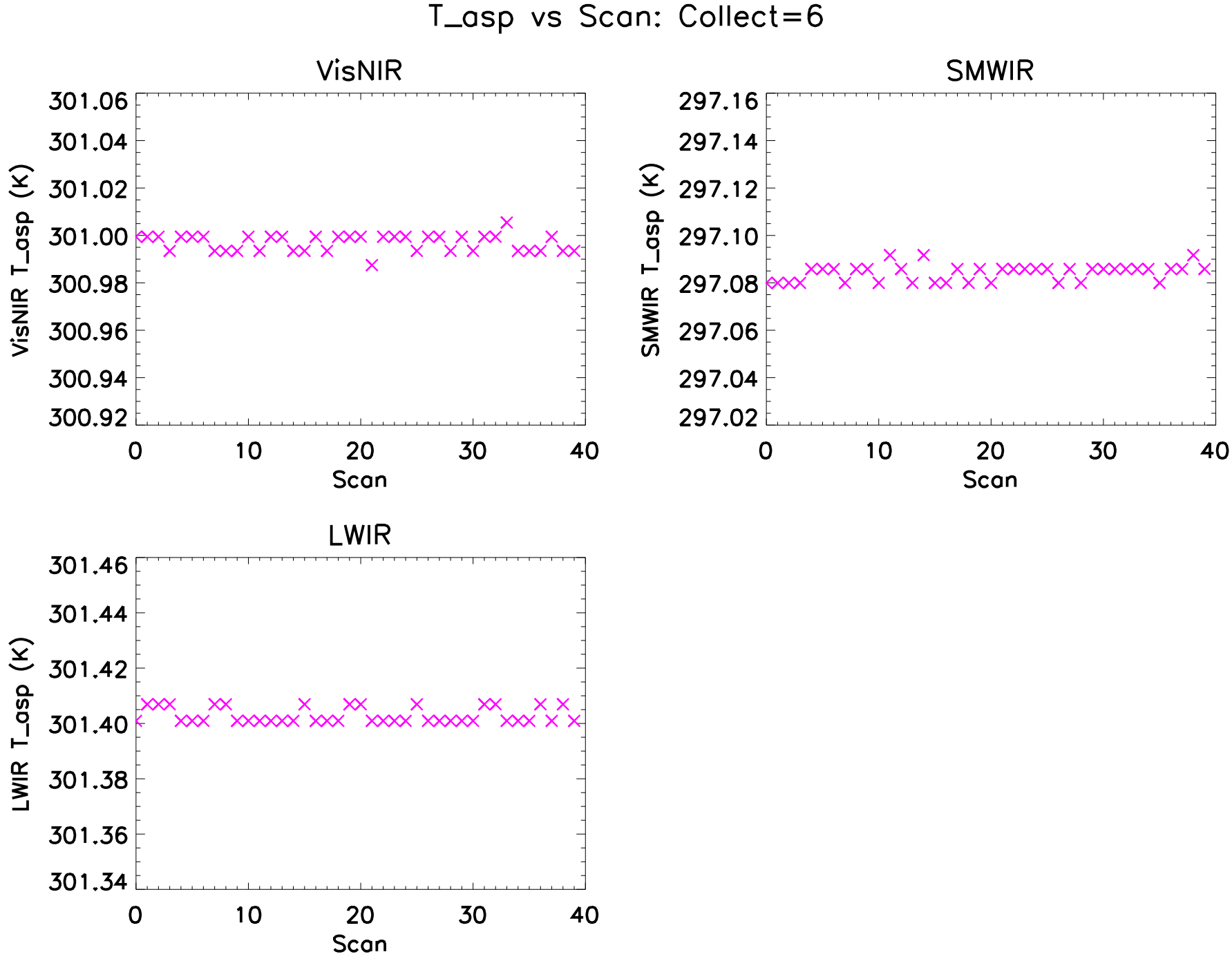

T_asp vs Scan: Collect=1
VisNIR
VisNIR T_asp (K)
301.06
301.04
301.02
301.00
300.98
300.96
300.94
300.92
0
10
20
30
40
Scan
SMWIR
SMWIR T_asp (K)
297.14
297.12
297.10
297.08
297.06
297.04
297.02
297.00
0
10
20
30
40
Scan
LWIR
LWIR T_asp (K)
301.46
301.44
301.42
301.40
301.38
301.36
301.34
301.32
0
10
20
30
40
Scan

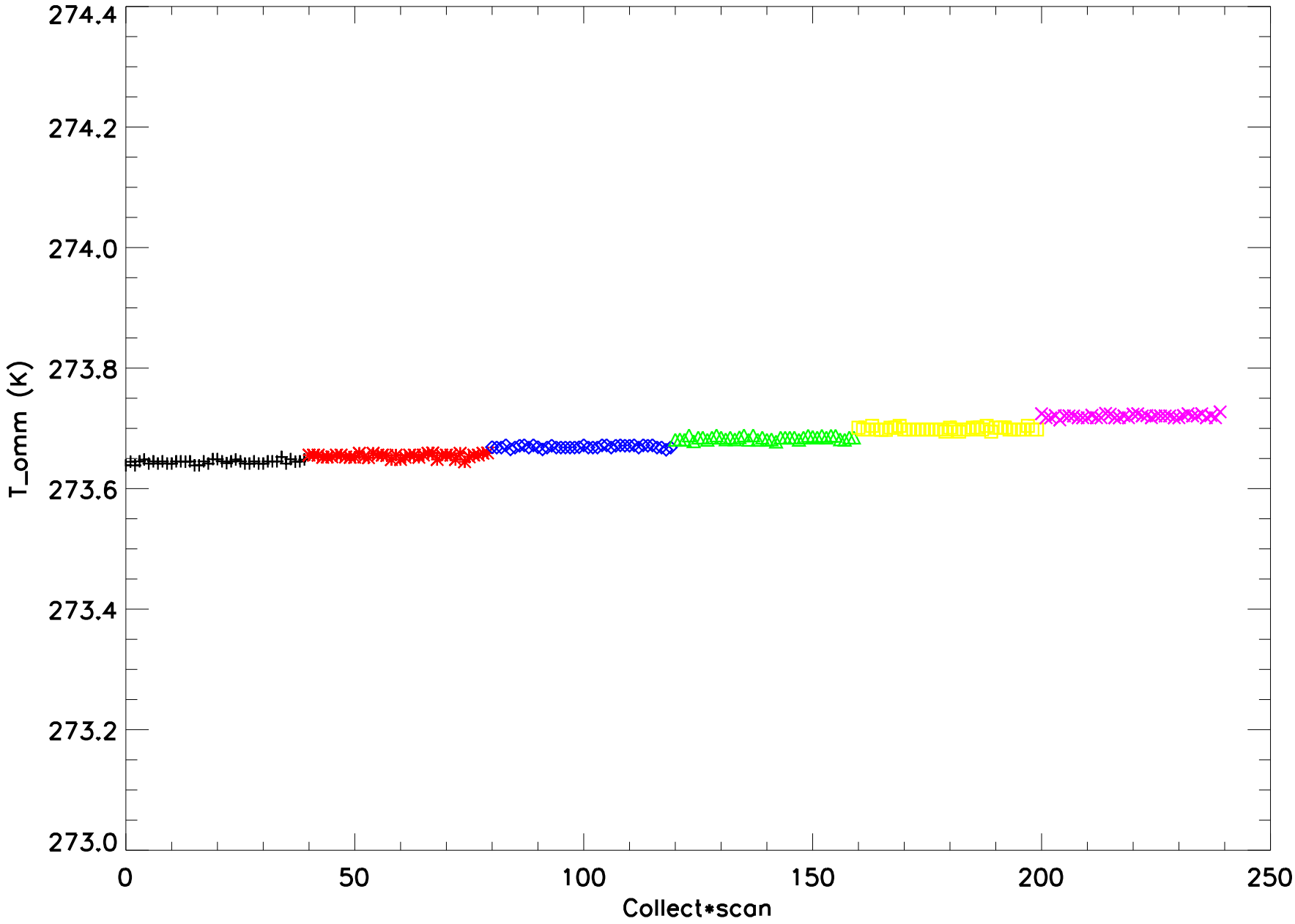

T_asp vs Scan: Collect=2
VisNIR
VisNIR T_asp (K)
301.06
301.04
301.02
301.00
300.98
300.96
300.94
300.92
0
10
20
30
40
Scan
SMWIR
SMWIR T_asp (K)
297.14
297.12
297.10
297.08
297.06
297.04
297.02
297.00
0
10
20
30
40
Scan
LWIR
LWIR T_asp (K)
301.46
301.44
301.42
301.40
301.38
301.36
301.34
301.32
0
10
20
30
40
Scan

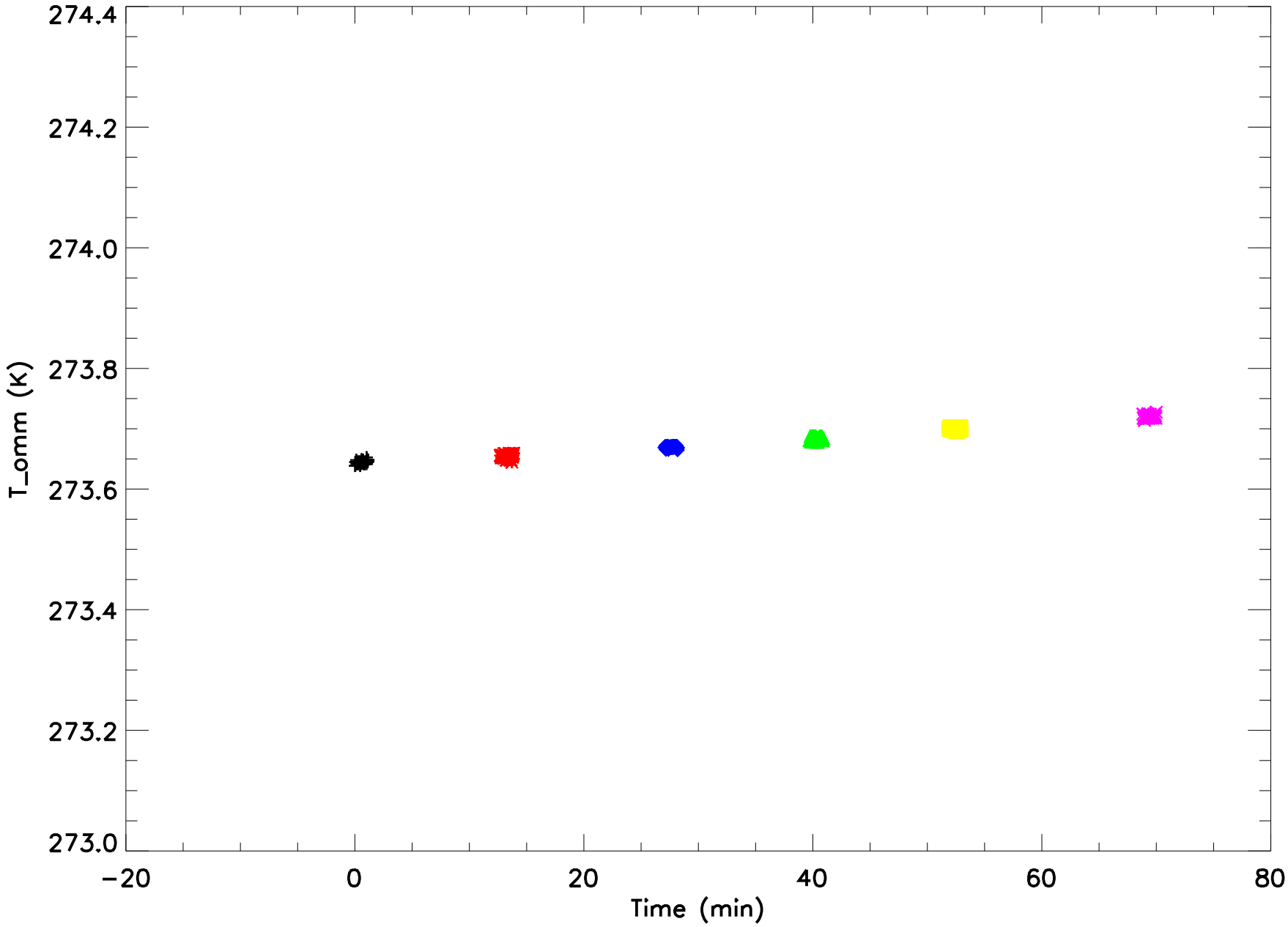

T_asp vs Scan: Collect=3
VisNIR
VisNIR T_asp (K)
301.06
301.04
301.02
301.00
300.98
300.96
300.94
300.92
0
10
20
30
40
Scan
SMWIR
SMWIR T_asp (K)
297.14
297.12
297.10
297.08
297.06
297.04
297.02
0
10
20
30
40
Scan
LWIR
LWIR T_asp (K)
301.46
301.44
301.42
301.40
301.38
301.36
301.34
301.32
0
10
20
30
40
Scan


T_asp vs Scan: Collect=4
VisNIR
VisNIR T_asp (K)
301.06
301.04
301.02
301.00
300.98
300.96
300.94
300.92
0
10
20
30
40
Scan
SMWIR
SMWIR T_asp (K)
297.14
297.12
297.10
297.08
297.06
297.04
297.02
0
10
20
30
40
Scan
LWIR
LWIR T_asp (K)
301.46
301.44
301.42
301.40
301.38
301.36
301.34
0
10
20
30
40
Scan

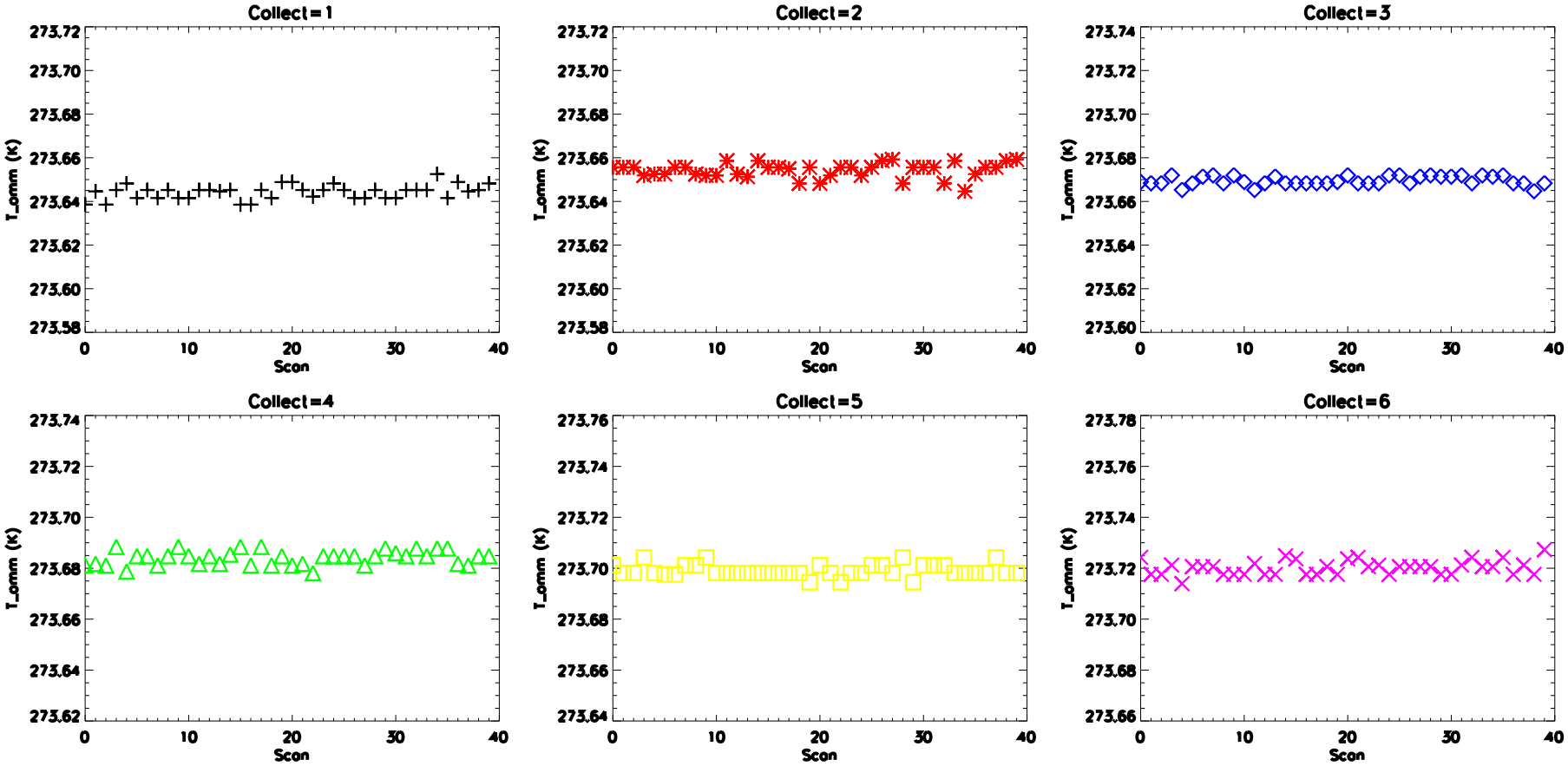

T_asp vs Scan: Collect=5
VisNIR
VisNIR T_asp (K)
301.06
301.04
301.02
301.00
300.98
300.96
300.94
300.92
0
10
20
30
40
Scan
SMWIR
SMWIR T_asp (K)
297.14
297.12
297.10
297.08
297.06
297.04
297.02
0
10
20
30
40
Scan
LWIR
LWIR T_asp (K)
301.46
301.44
301.42
301.40
301.38
301.36
301.34
0
10
20
30
40
Scan


T_asp vs Scan: Collect=6
VisNIR
VisNIR T_asp (K)
301.06
301.04
301.02
301.00
300.98
300.96
300.94
300.92
0
10
20
30
40
Scan
SMWIR
SMWIR T_asp (K)
297.16
297.14
297.12
297.10
297.08
297.06
297.04
297.02
0
10
20
30
40
Scan
LWIR
LWIR T_asp (K)
301.46
301.44
301.42
301.40
301.38
301.36
301.34
0
10
20
30
40
Scan


T_omm vs Scan and Collect
274.4
274.2
274.0
273.8
273.6
273.4
273.2
273.0
T_omm (K)
0
50
100
150
200
250
Collect*scan


T_omm vs Time
T_omm (K)
274.4
274.2
274.0
273.8
273.6
273.4
273.2
273.0
−20
0
20
40
60
80
Time (min)

T_omm vs Scan


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