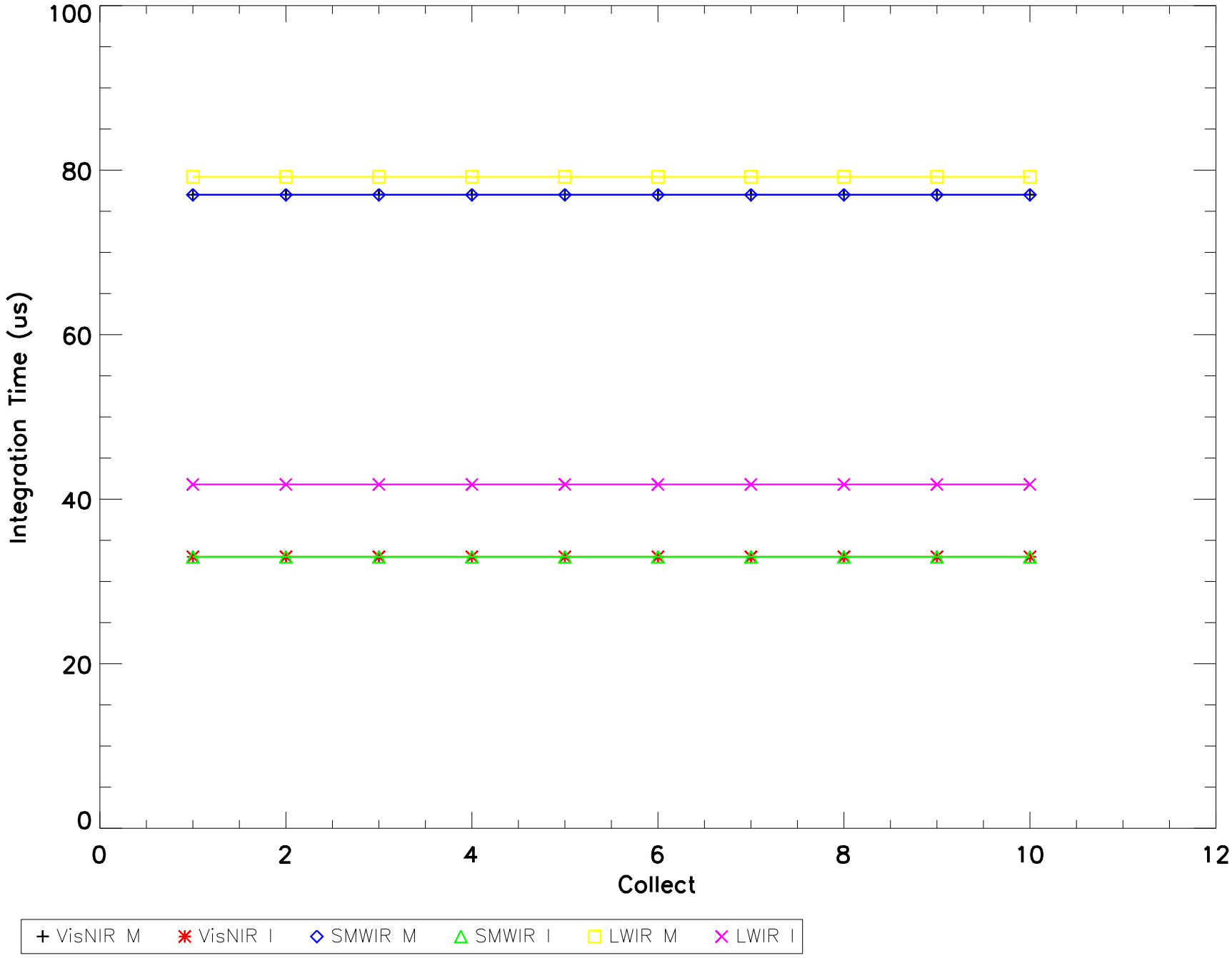
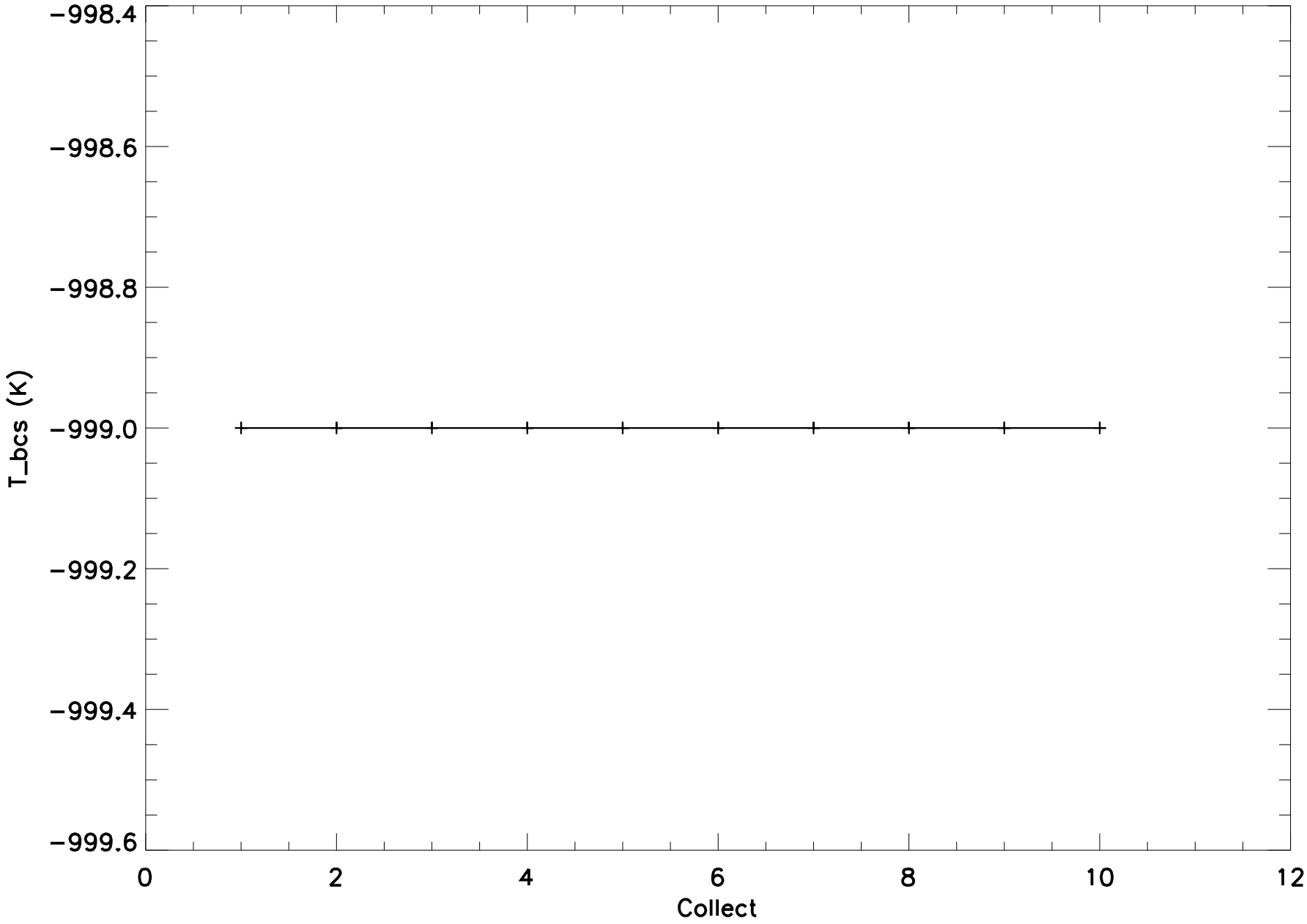
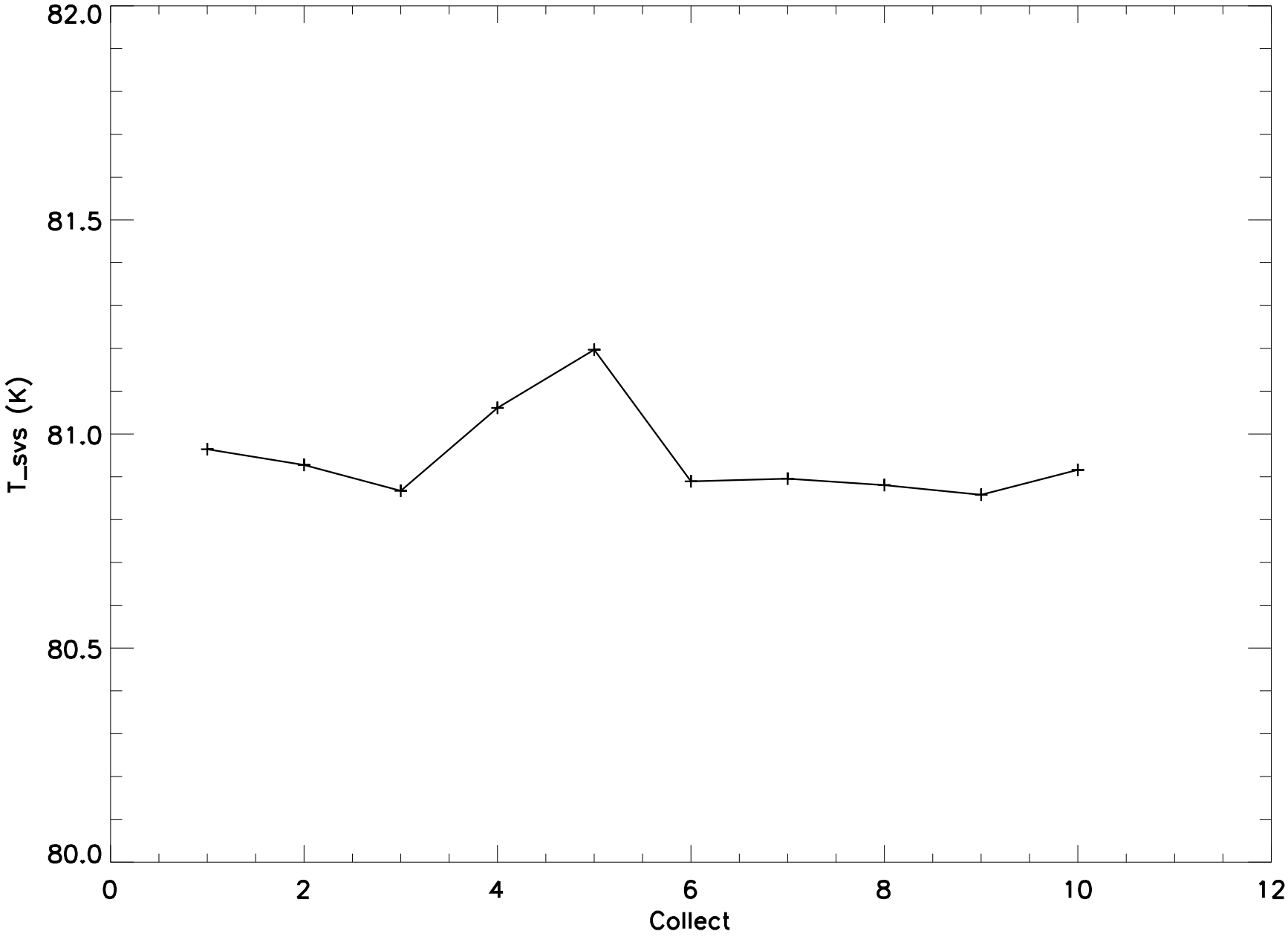
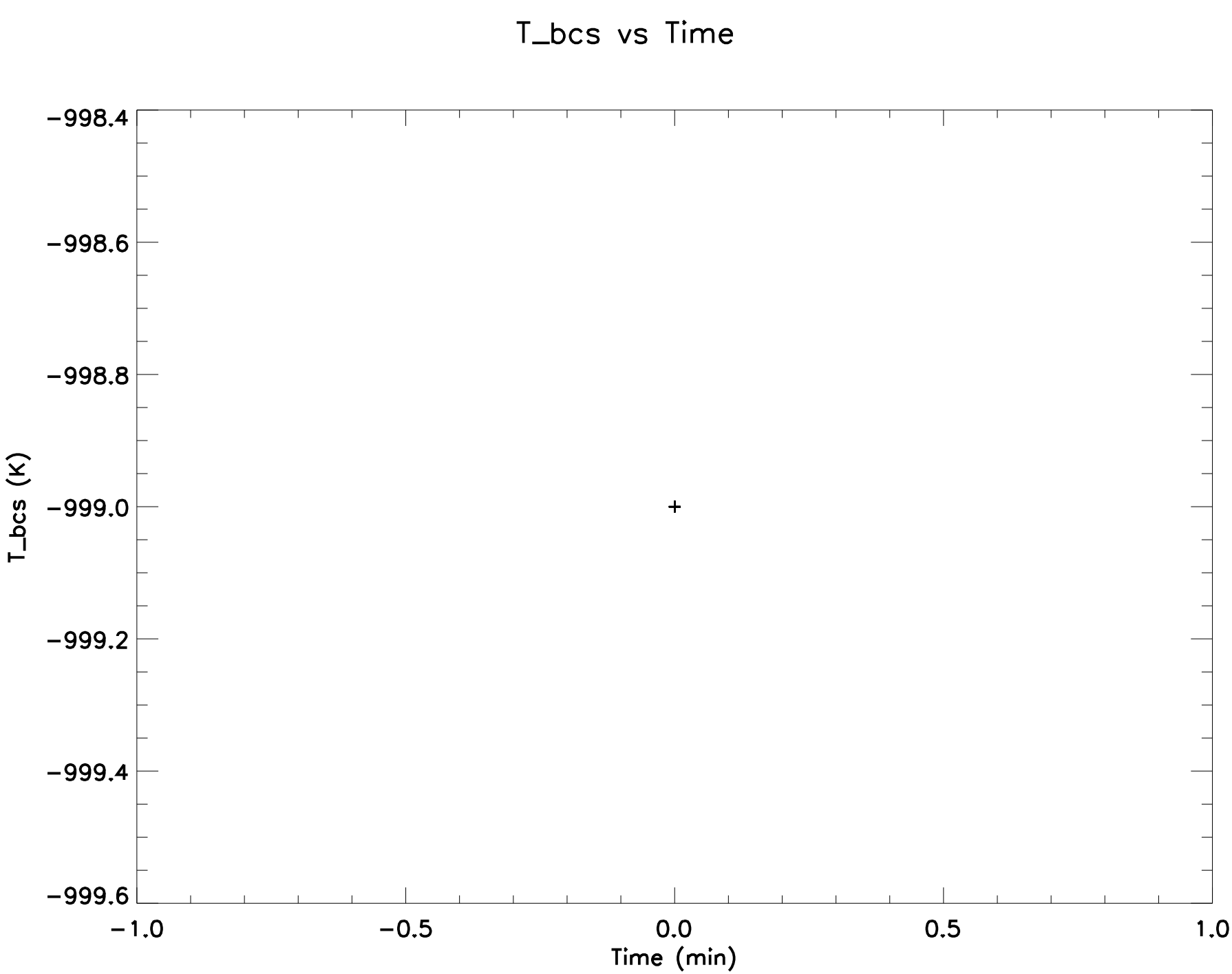
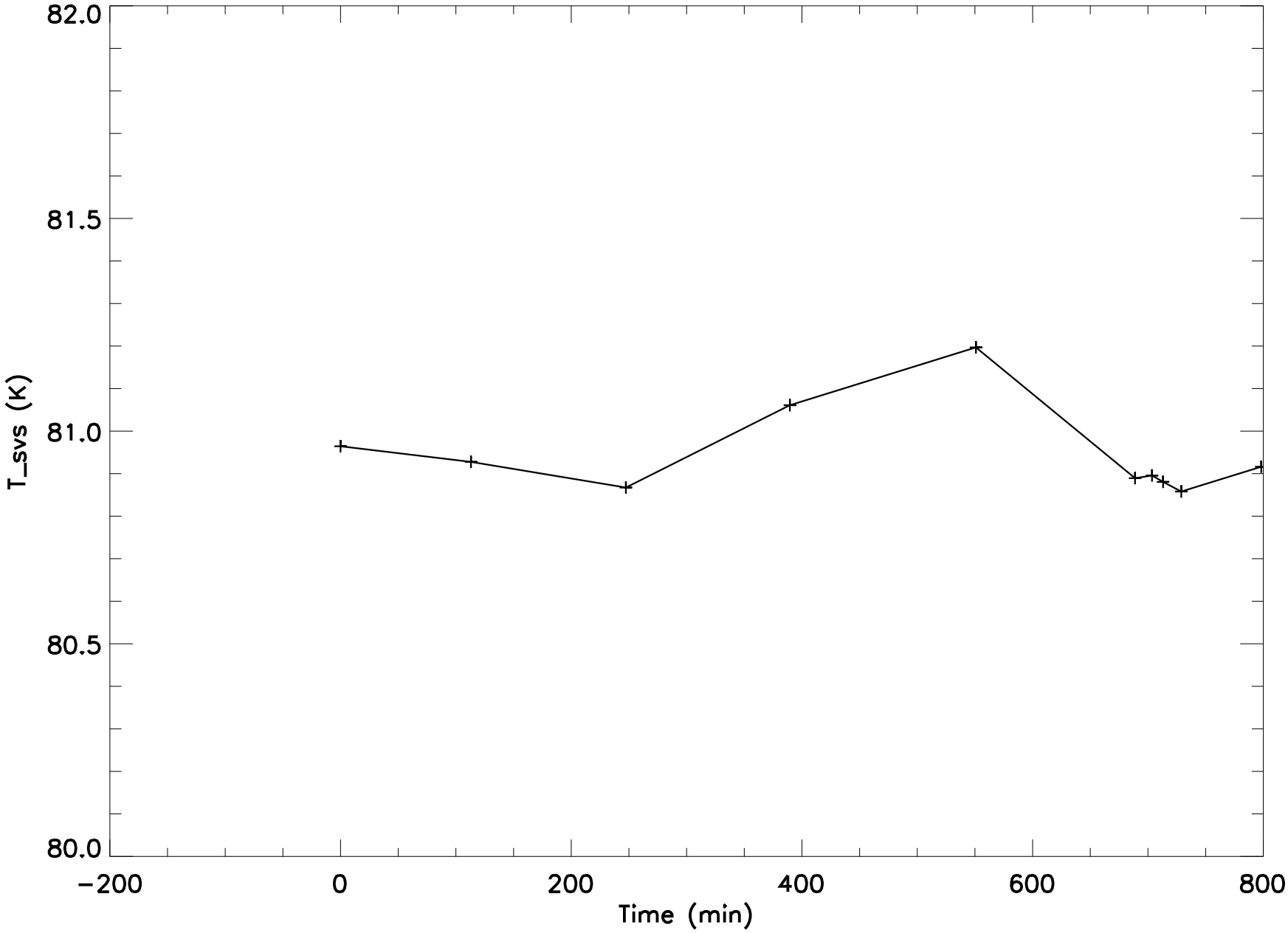
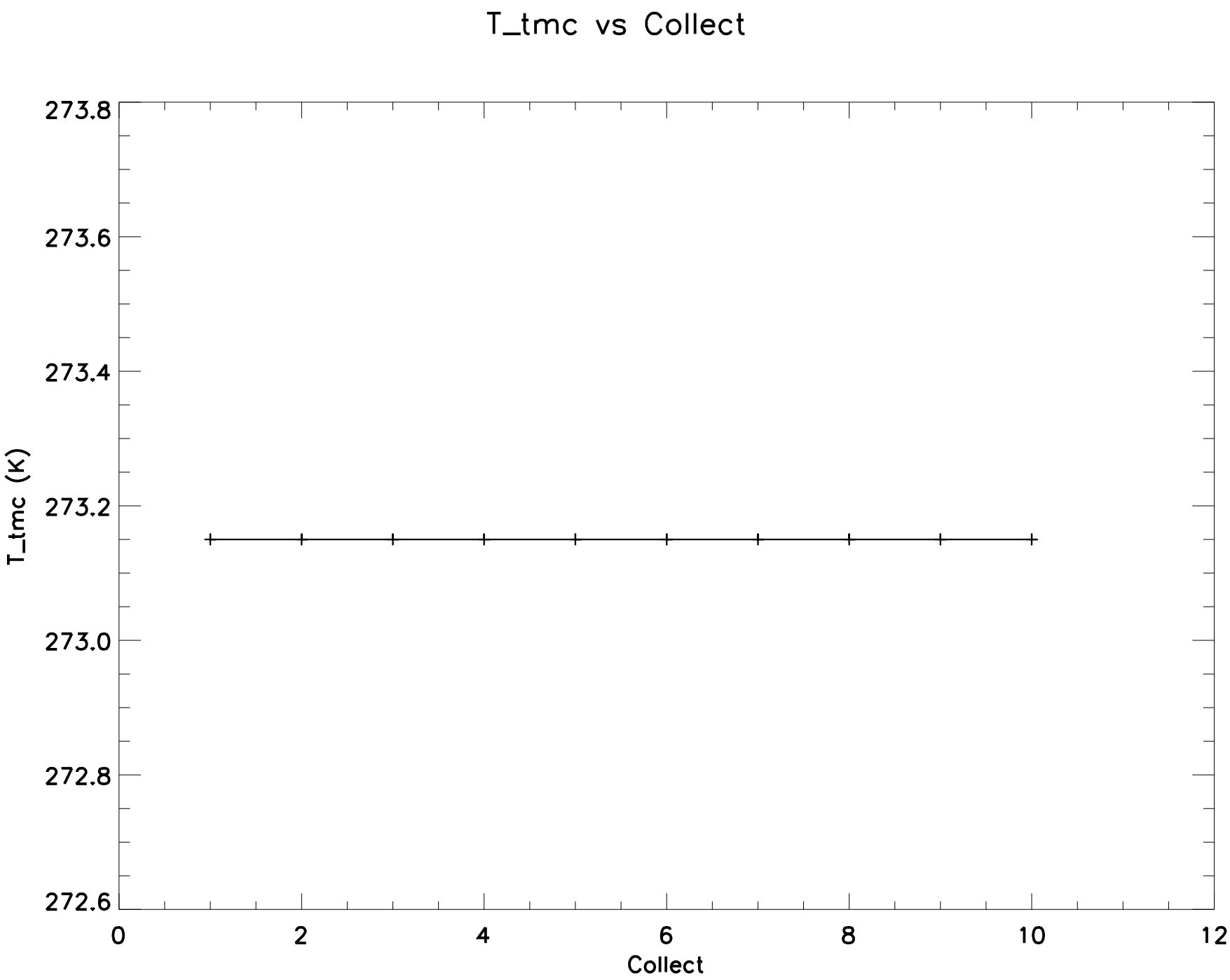

Integration Time vs Collect
Integration Time (us)
100
80
60
40
20
0
0
2
4
6
8
10
12
Collect
VisNIR M
VisNIR I
SMWIR M
SMWIR I
LWIR M
LWIR I

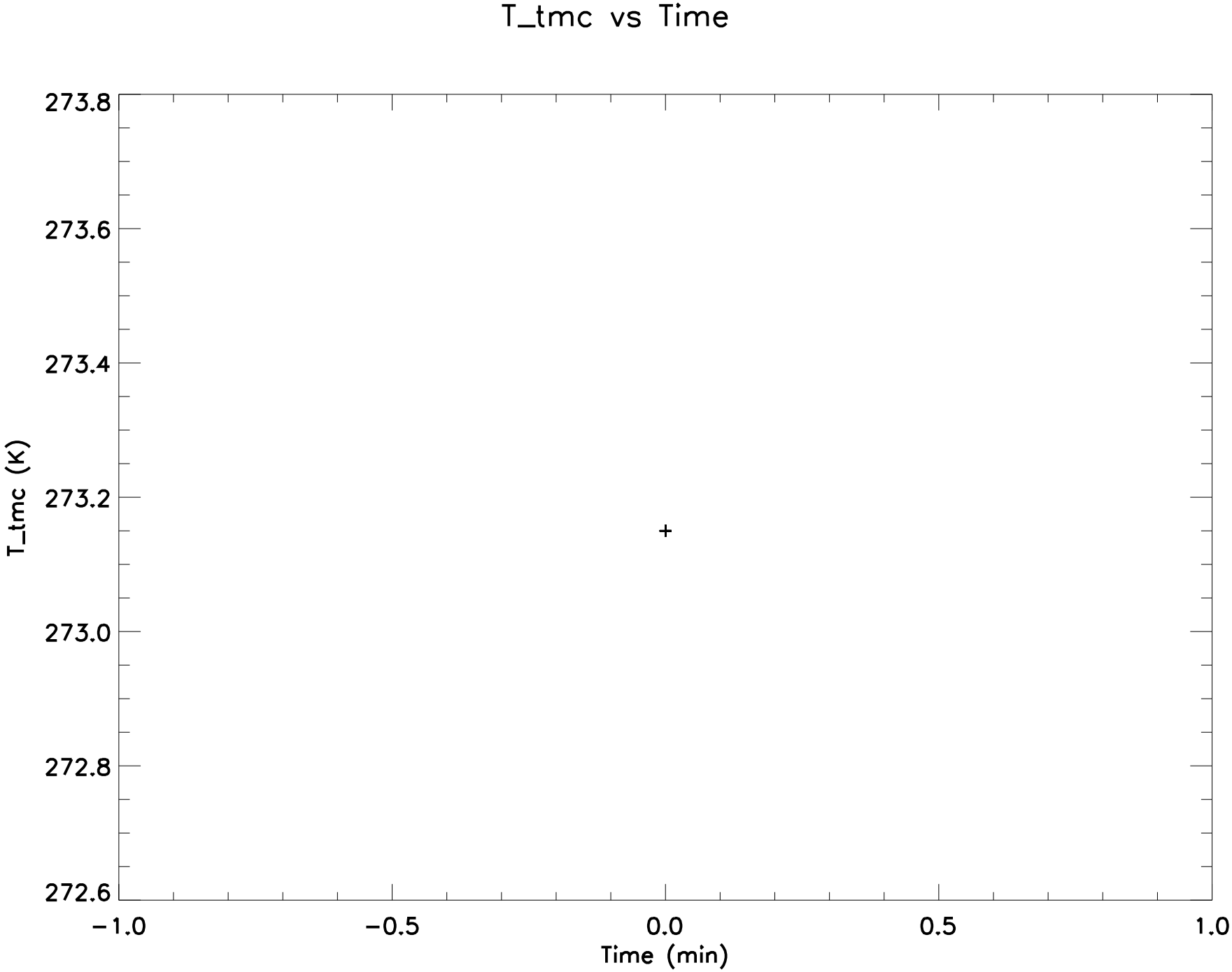

T_bcs vs Collect
T_bcs (K)
−998.4
−998.6
−998.8
−999.0
−999.2
−999.4
−999.6
0
2
4
6
8
10
12
Collect

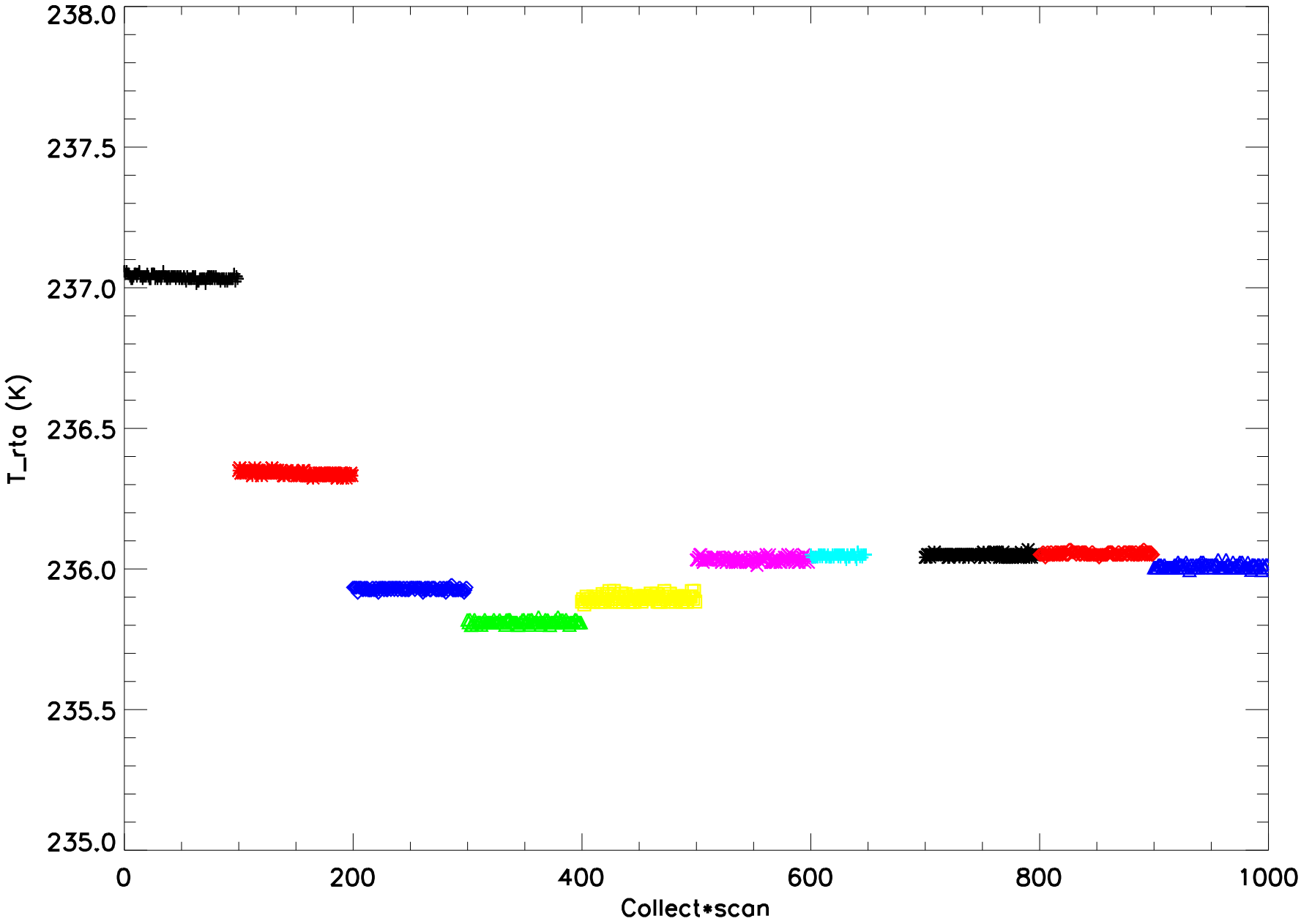

T_svs vs Collect
82.0
81.5
81.0
80.5
80.0
T_svs (K)
0
2
4
6
8
10
12
Collect

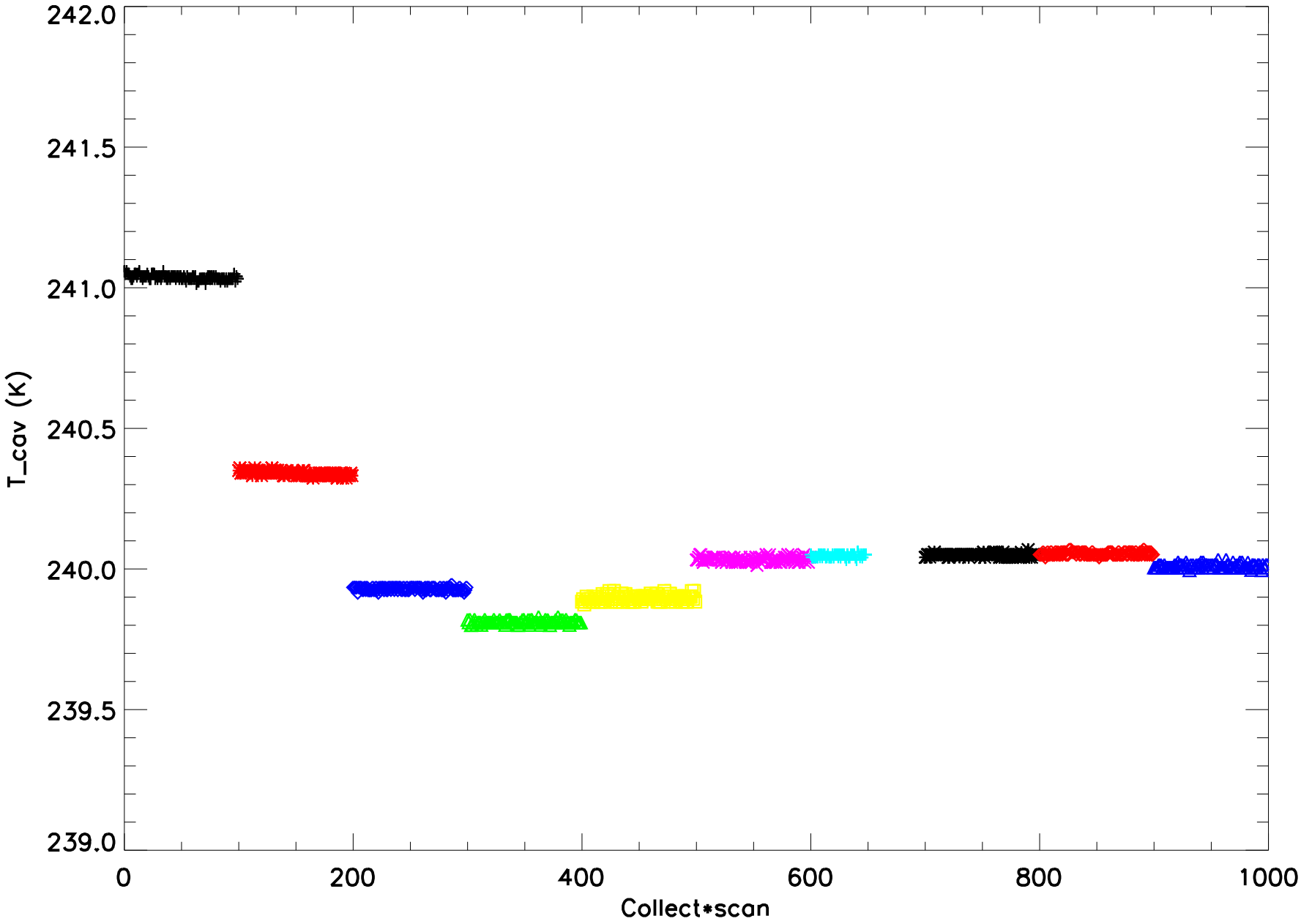

T_bcs vs Time
−998.4
−998.6
−998.8
−999.0
−999.2
−999.4
−999.6
T_bcs (K)
−1.0
−0.5
0.0
0.5
1.0
Time (min)

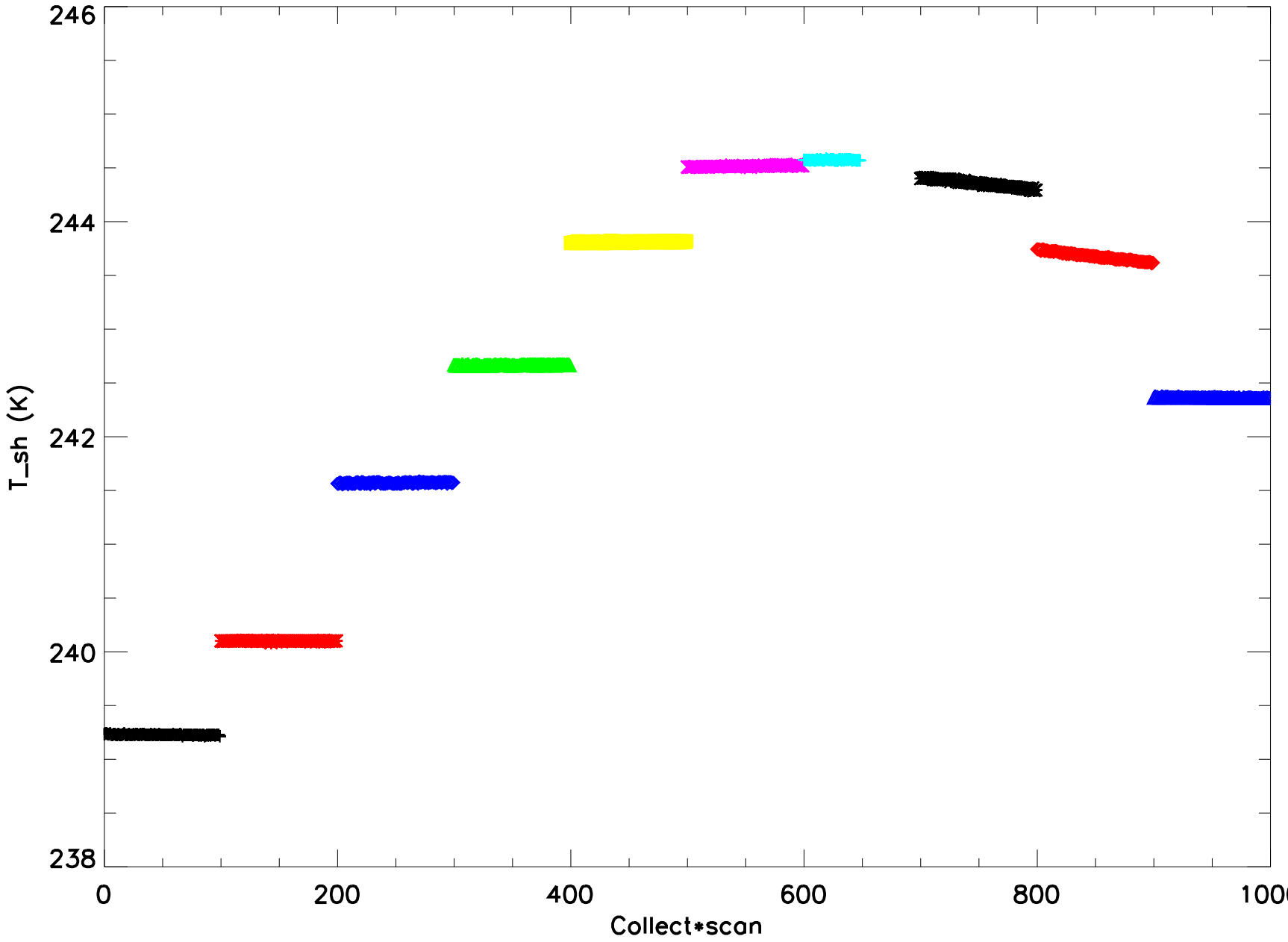

T_svs vs Time
82.0
81.5
81.0
80.5
80.0
T_svs (K)
−200
0
200
400
600
800
Time (min)

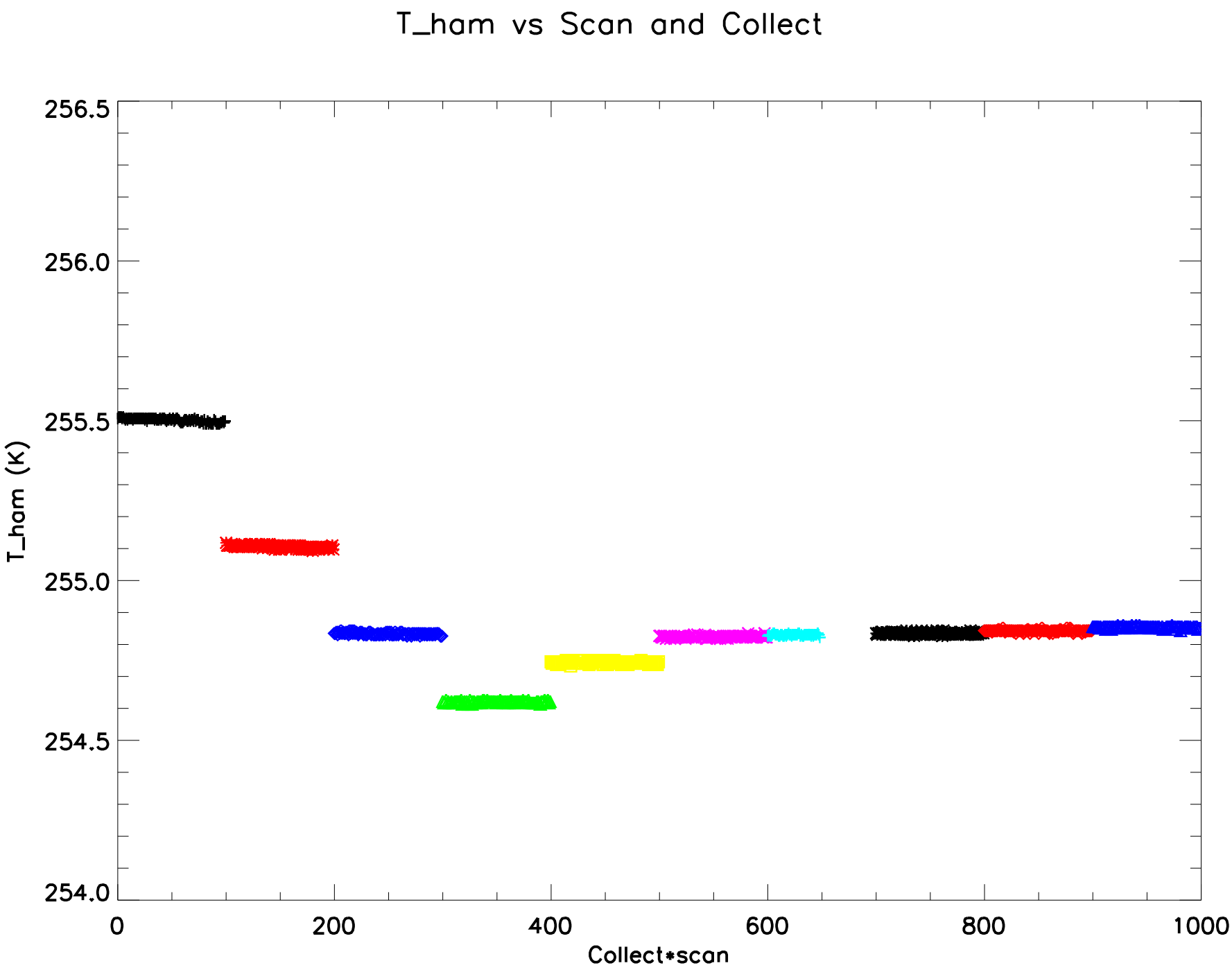

T_tmc vs Collect
273.8
273.6
273.4
273.2
273.0
272.8
272.6
T_tmc (K)
0
2
4
6
8
10
12
Collect

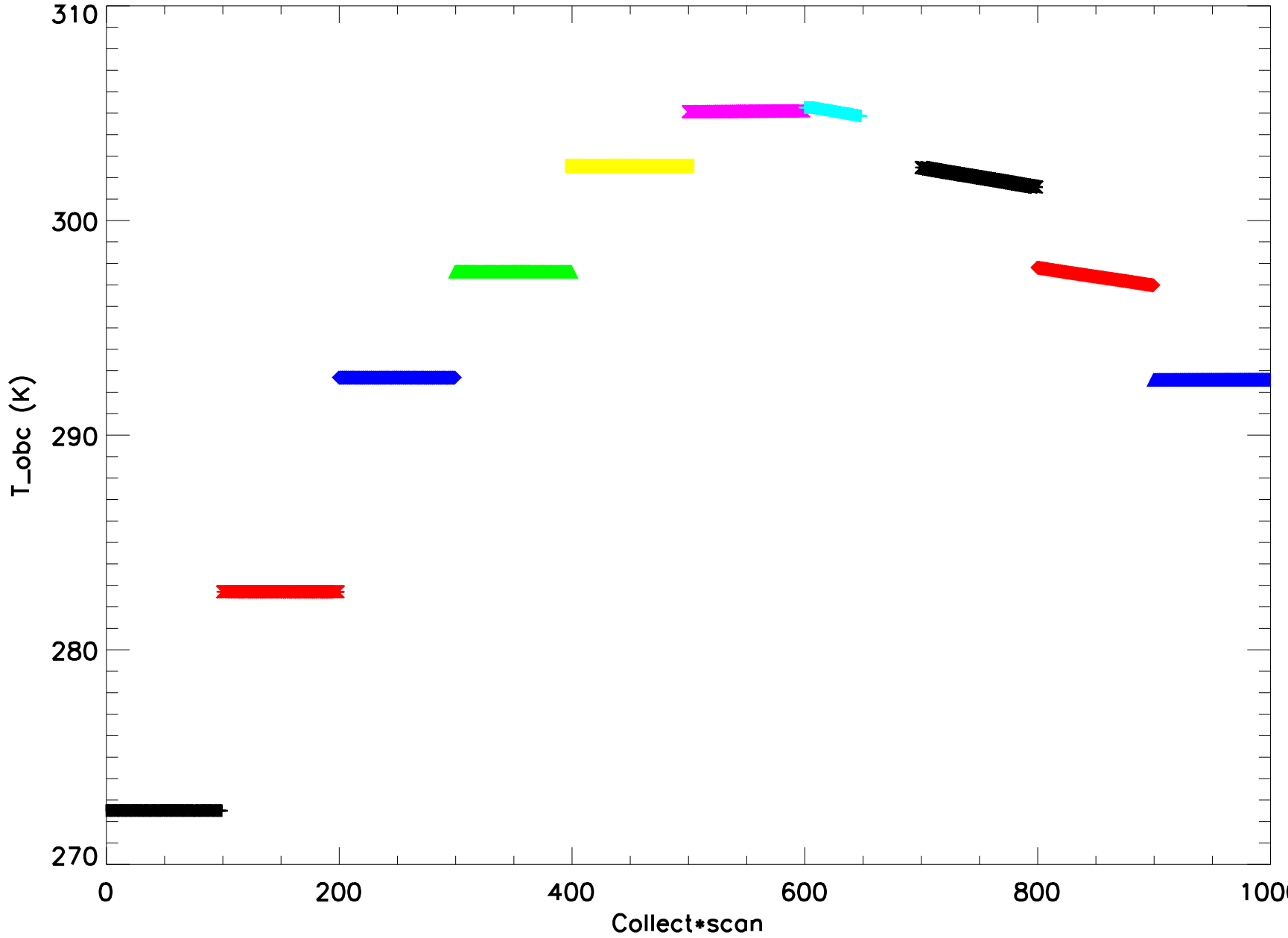

T_tmc vs Time
273.8
273.6
273.4
273.2
273.0
272.8
272.6
T_tmc (K)
−1.0
−0.5
0.0
0.5
1.0
Time (min)

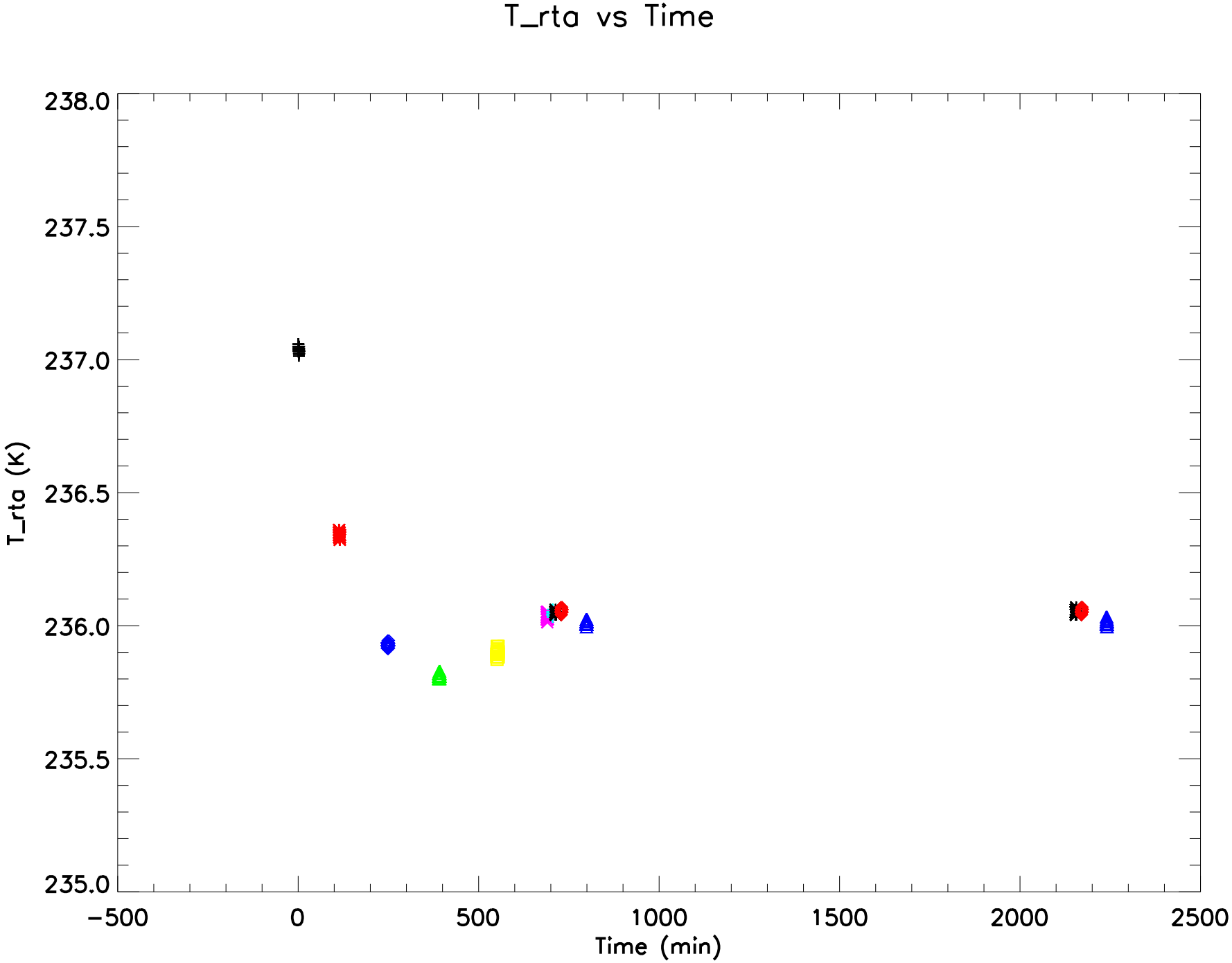

T_rta vs Scan and Collect
238.0
237.5
237.0
236.5
236.0
235.5
235.0
T_rta (K)
0
200
400
600
800
1000
Collect*scan

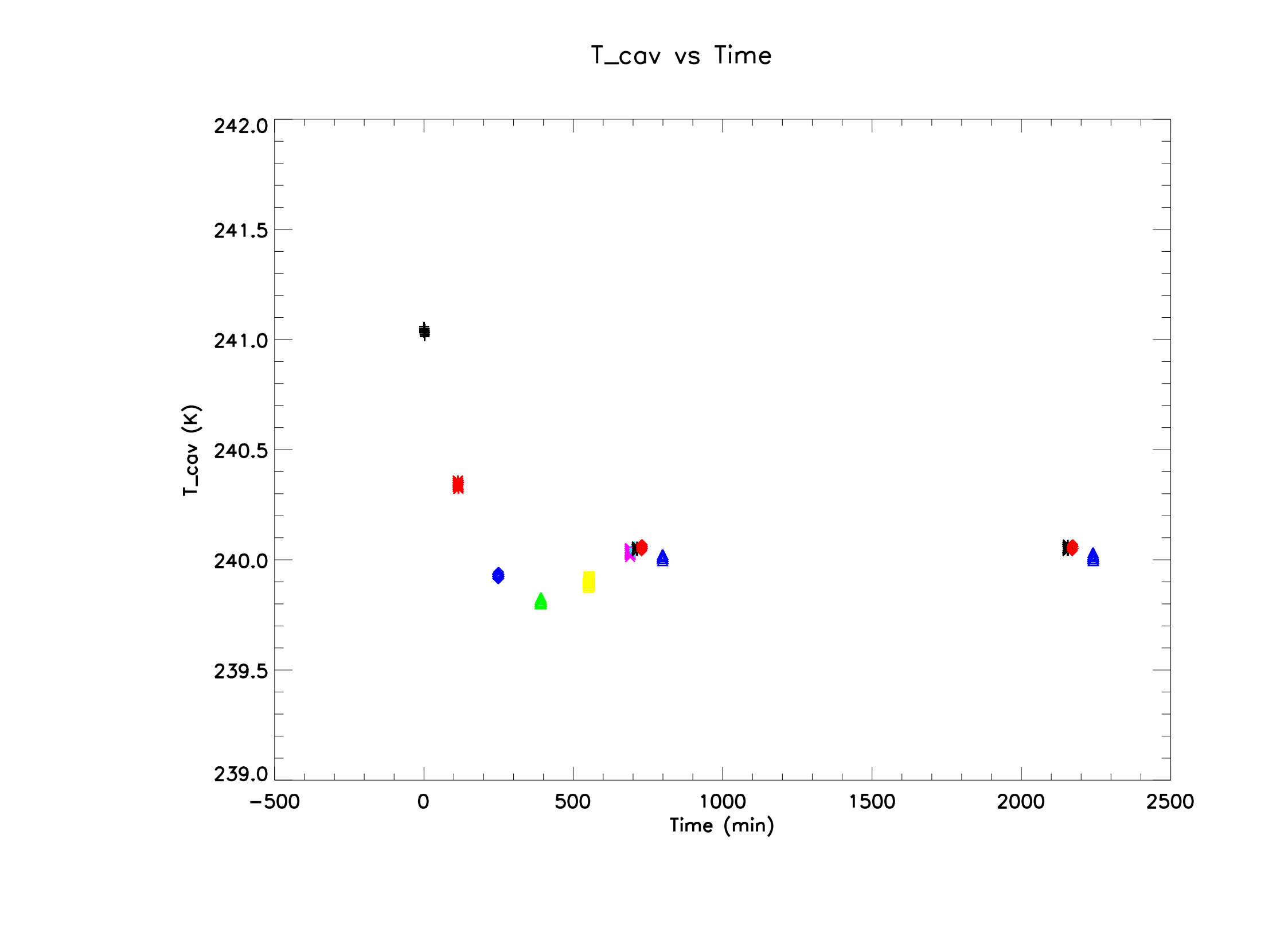

T_cav vs Scan and Collect
242.0
241.5
241.0
240.5
240.0
239.5
239.0
T_cav (K)
0
200
400
600
800
1000
Collect*scan

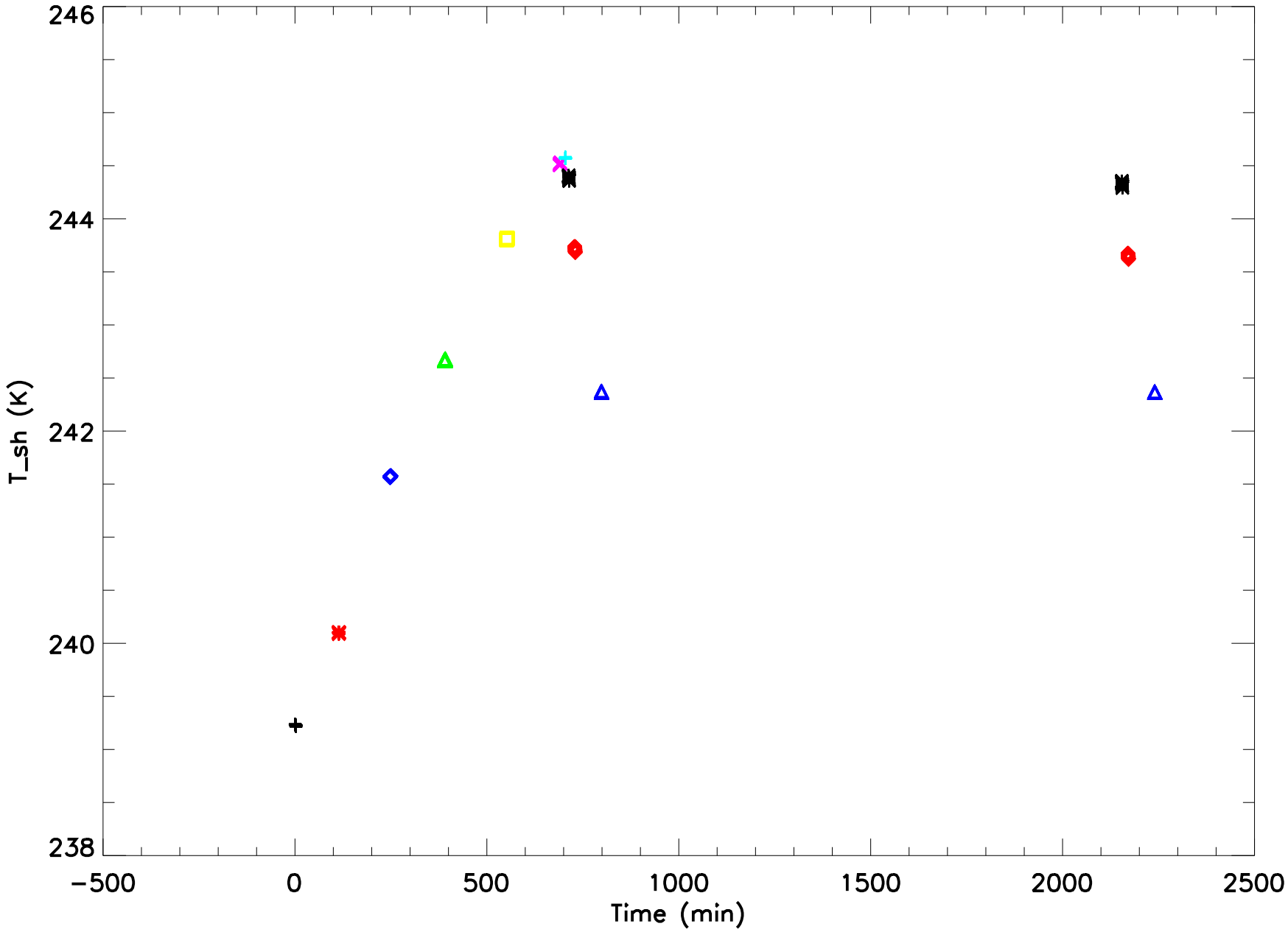

T_sh vs Scan and Collect
246
244
242
240
238
T_sh (K)
0
200
400
600
800
1000
Collect*scan

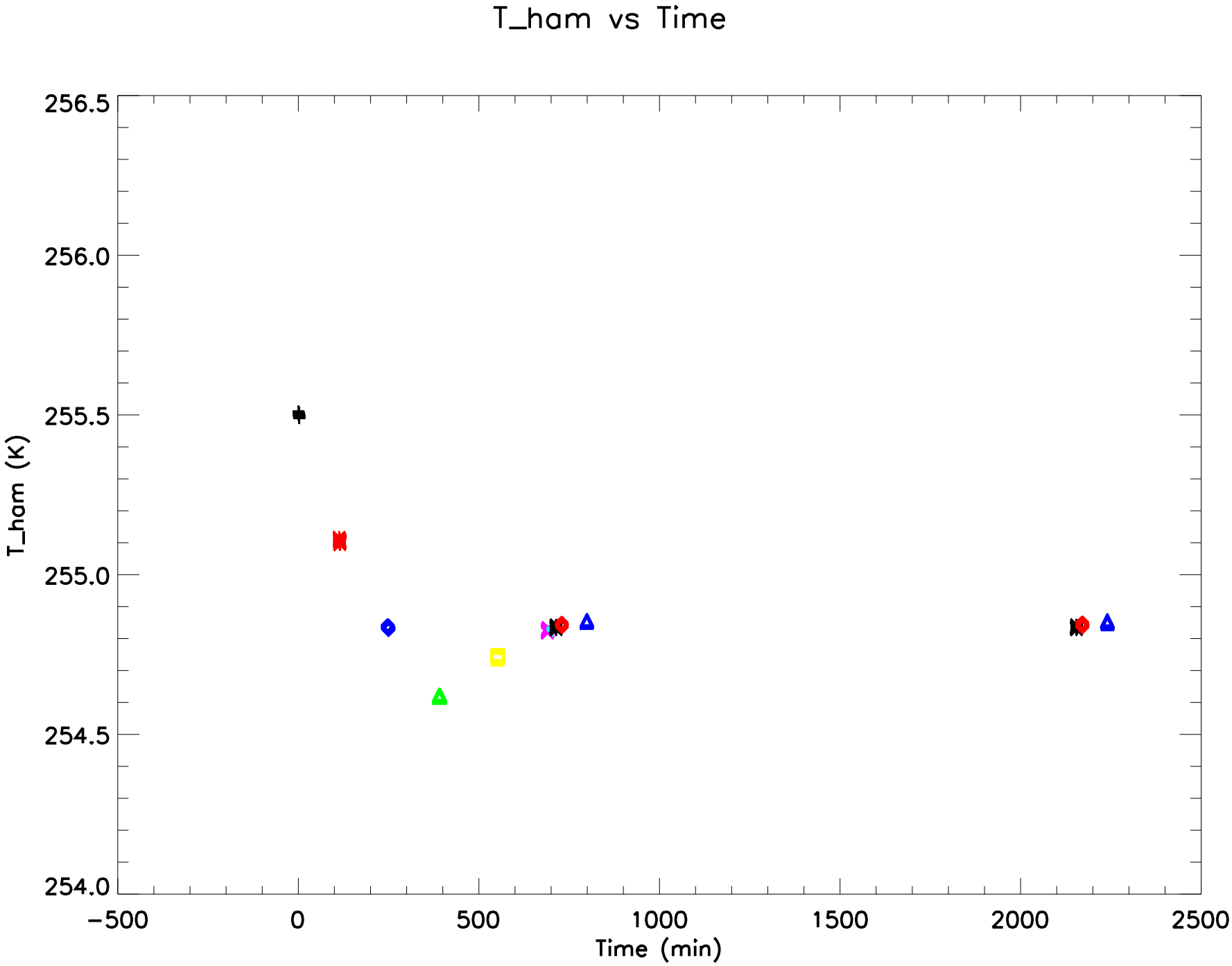

T_ham vs Scan and Collect
256.5
256.0
255.5
255.0
254.5
254.0
T_ham (K)
0
200
400
600
800
1000
Collect*scan

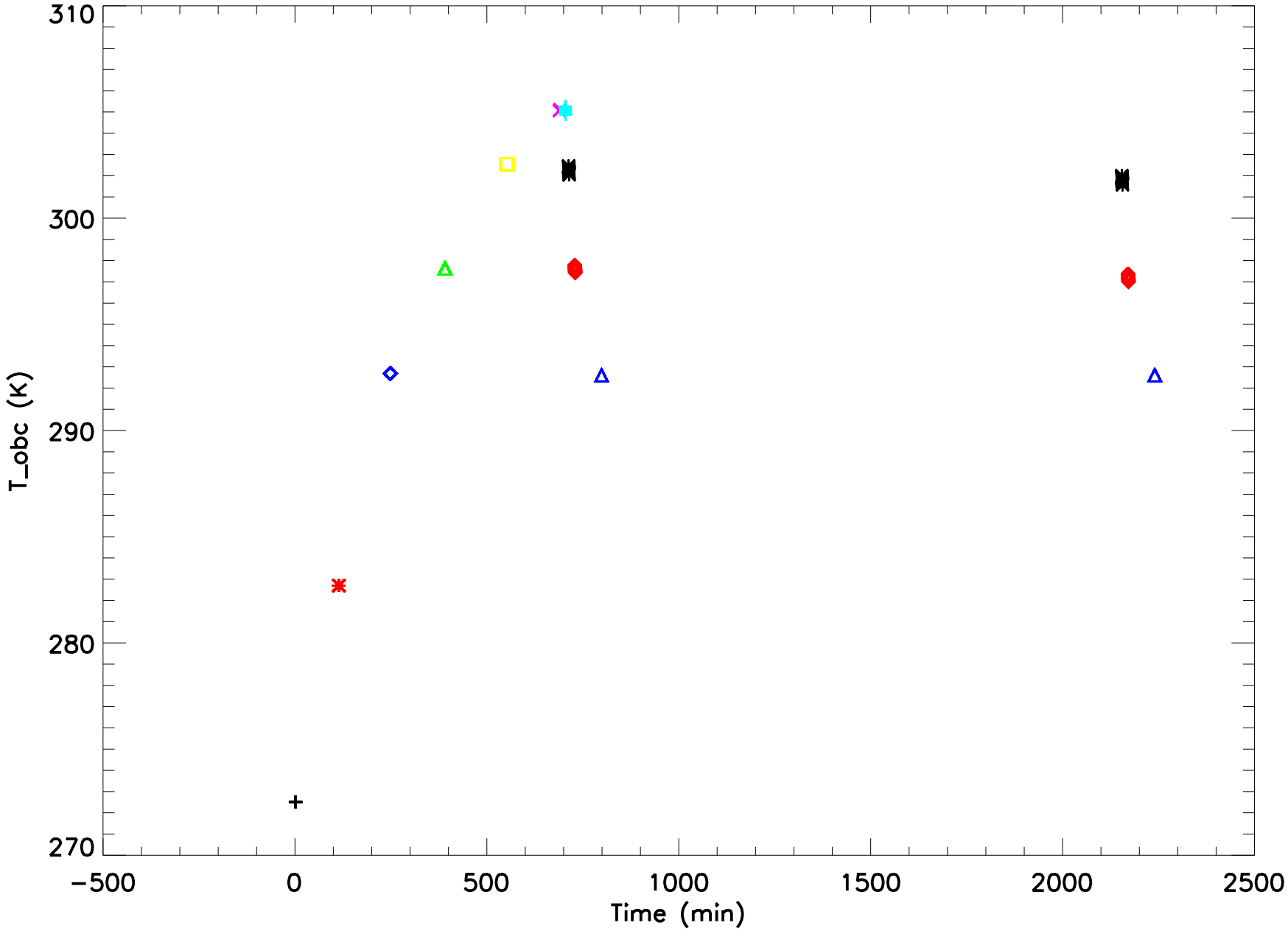

T_obc vs Scan and Collect
310
300
290
280
270
T_obc (K)
0
200
400
600
800
1000
Collect*scan

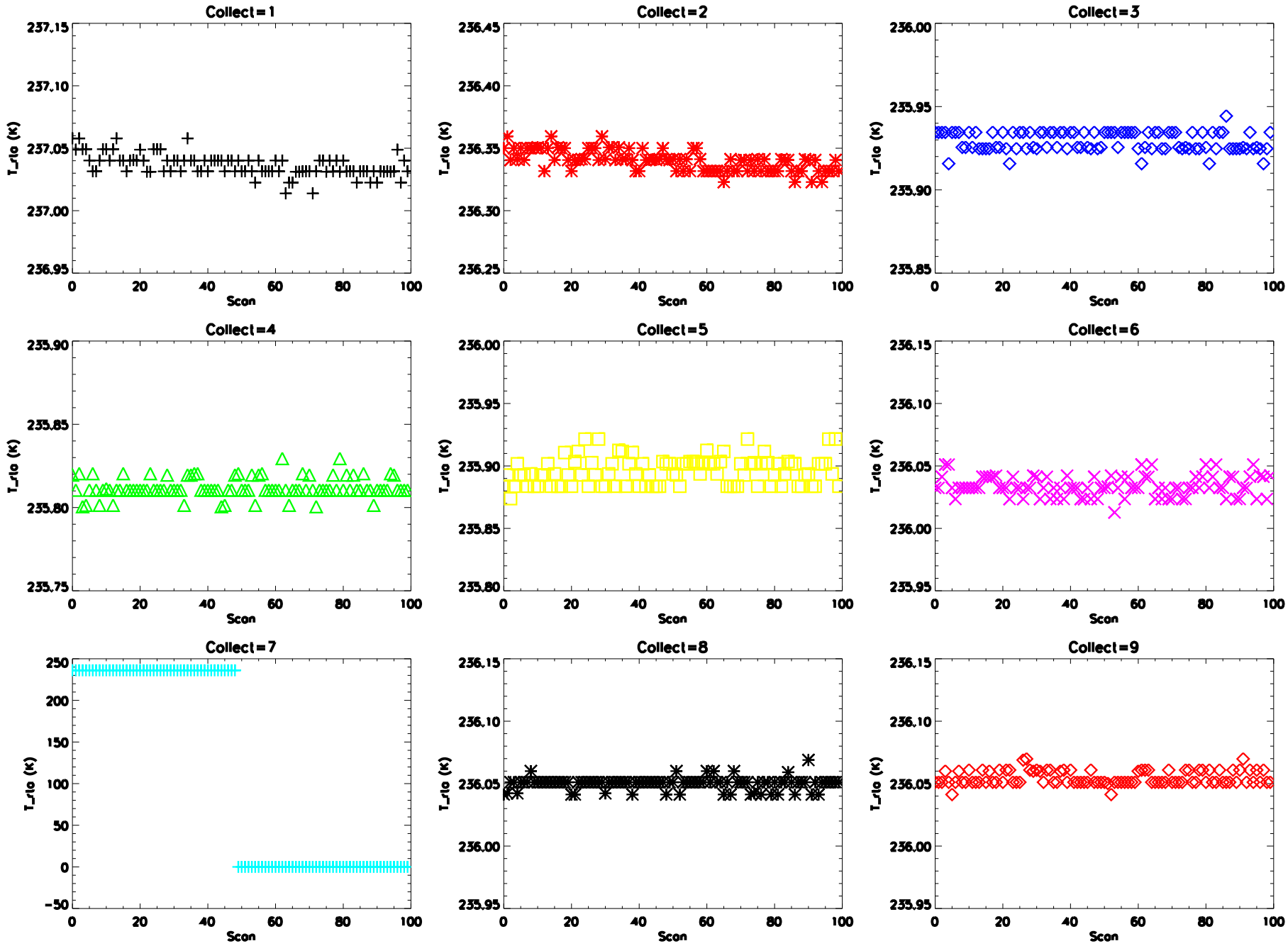

T_rta vs Time
238.0
237.5
237.0
236.5
236.0
235.5
235.0
T_rta (K)
−500
0
500
1000
1500
2000
2500
Time (min)


T_cav vs Time
242.0
241.5
241.0
240.5
240.0
239.5
239.0
T_cav (K)
−500
0
500
1000
1500
2000
2500
Time (min)

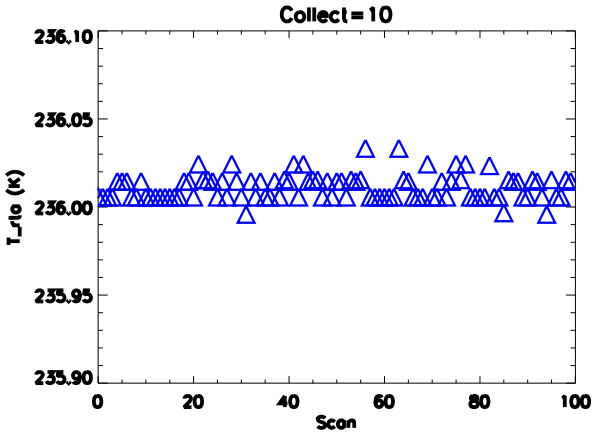

T_sh vs Time
246
244
242
240
238
T_sh (K)
−500
0
500
1000
1500
2000
2500
Time (min)


T_ham vs Time
256.5
256.0
255.5
255.0
254.5
254.0
T_ham (K)
−500
0
500
1000
1500
2000
2500
Time (min)

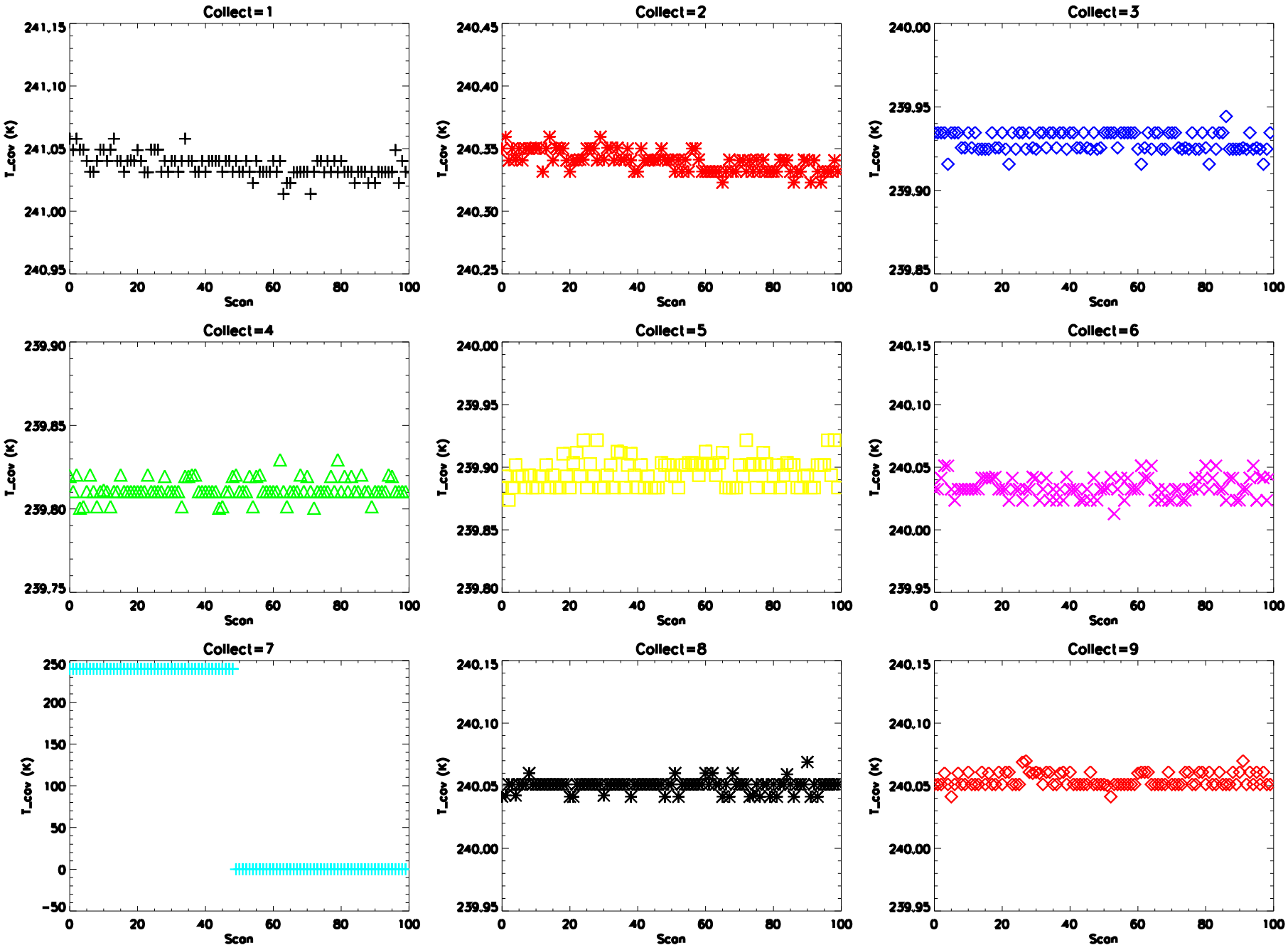

T_obc vs Time
310
300
290
280
270
T_obc (K)
−500
0
500
1000
1500
2000
2500
Time (min)


T_rta vs Scan
Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
T_rta (K)
Scan

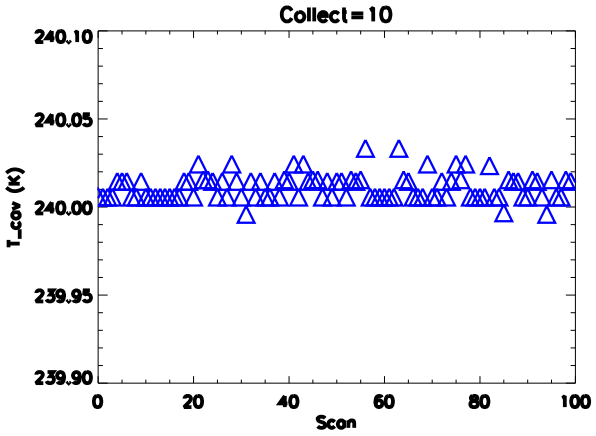
T_rta vs Scan

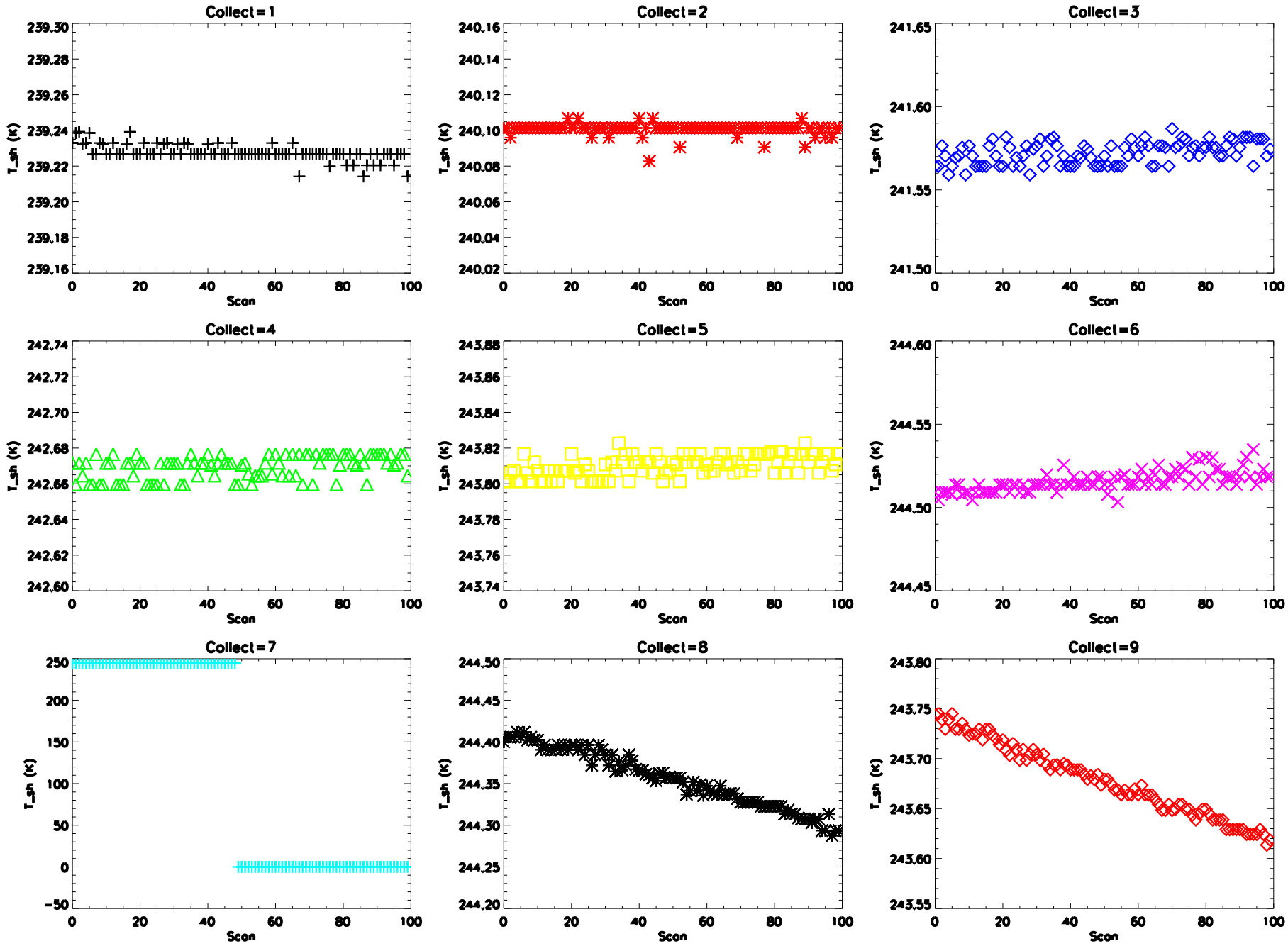

Collect = 10
236.10
236.05
236.00
235.95
235.90
T_rta (K)
0
20
40
60
80
100
Scan

T_cav vs Scan

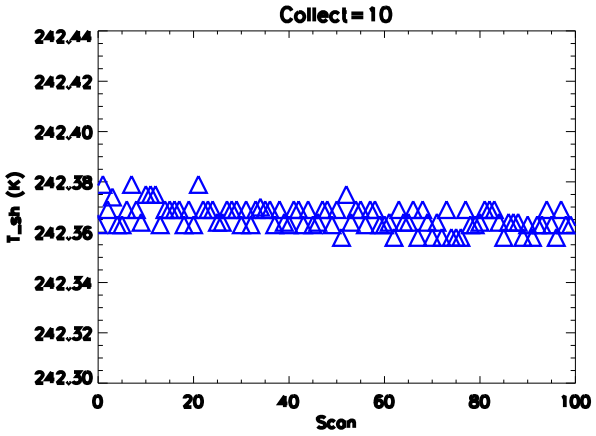

Collect=1
241.15
241.10
241.05
241.00
240.95
T_cav (K)
0
20
40
60
80
100
Scan
Collect=2
240.45
240.40
240.35
240.30
240.25
T_cav (K)
0
20
40
60
80
100
Scan
Collect=3
240.00
239.95
239.90
239.85
T_cav (K)
0
20
40
60
80
100
Scan
Collect=4
239.90
239.85
239.80
239.75
T_cav (K)
0
20
40
60
80
100
Scan
Collect=5
240.00
239.95
239.90
239.85
239.80
T_cav (K)
0
20
40
60
80
100
Scan
Collect=6
240.15
240.10
240.05
240.00
239.95
T_cav (K)
0
20
40
60
80
100
Scan
Collect=7
250
200
150
100
50
0
-50
T_cav (K)
0
20
40
60
80
100
Scan
Collect=8
240.15
240.10
240.05
240.00
239.95
T_cav (K)
0
20
40
60
80
100
Scan
Collect=9
240.15
240.10
240.05
240.00
239.95
T_cav (K)
0
20
40
60
80
100
Scan

T_cav vs Scan

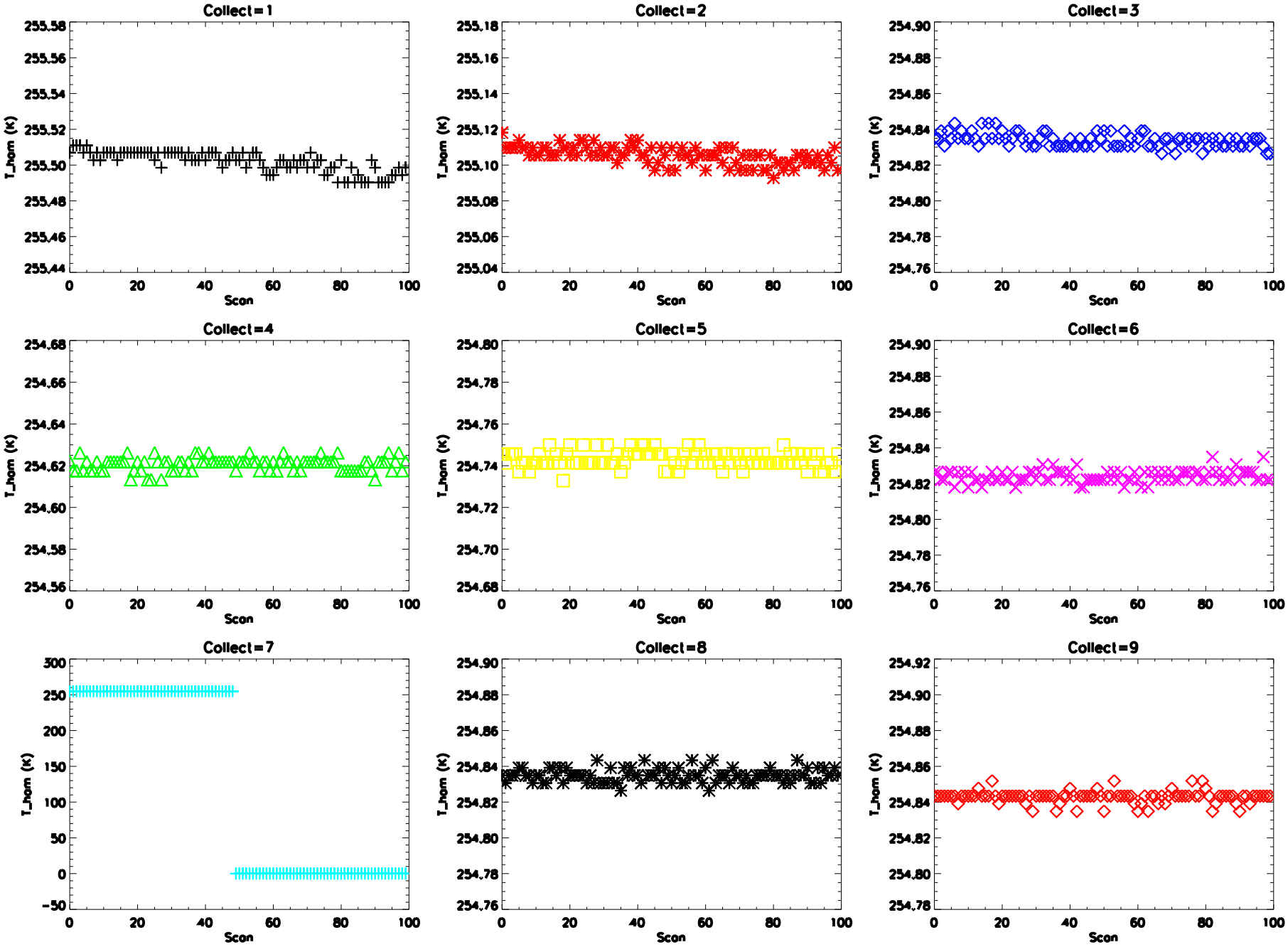

Collect = 10
240.10
240.05
240.00
239.95
239.90
T_cav (K)
0
20
40
60
80
100
Scan


T_sh vs Scan
Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
T_sh (K)
Scan

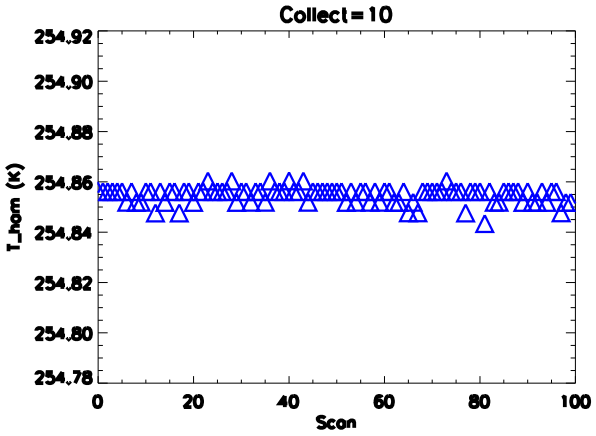
T_sh vs Scan


Collect = 10
242.44
242.42
242.40
242.38
242.36
242.34
242.32
242.30
T_sh (K)
0
20
40
60
80
100
Scan

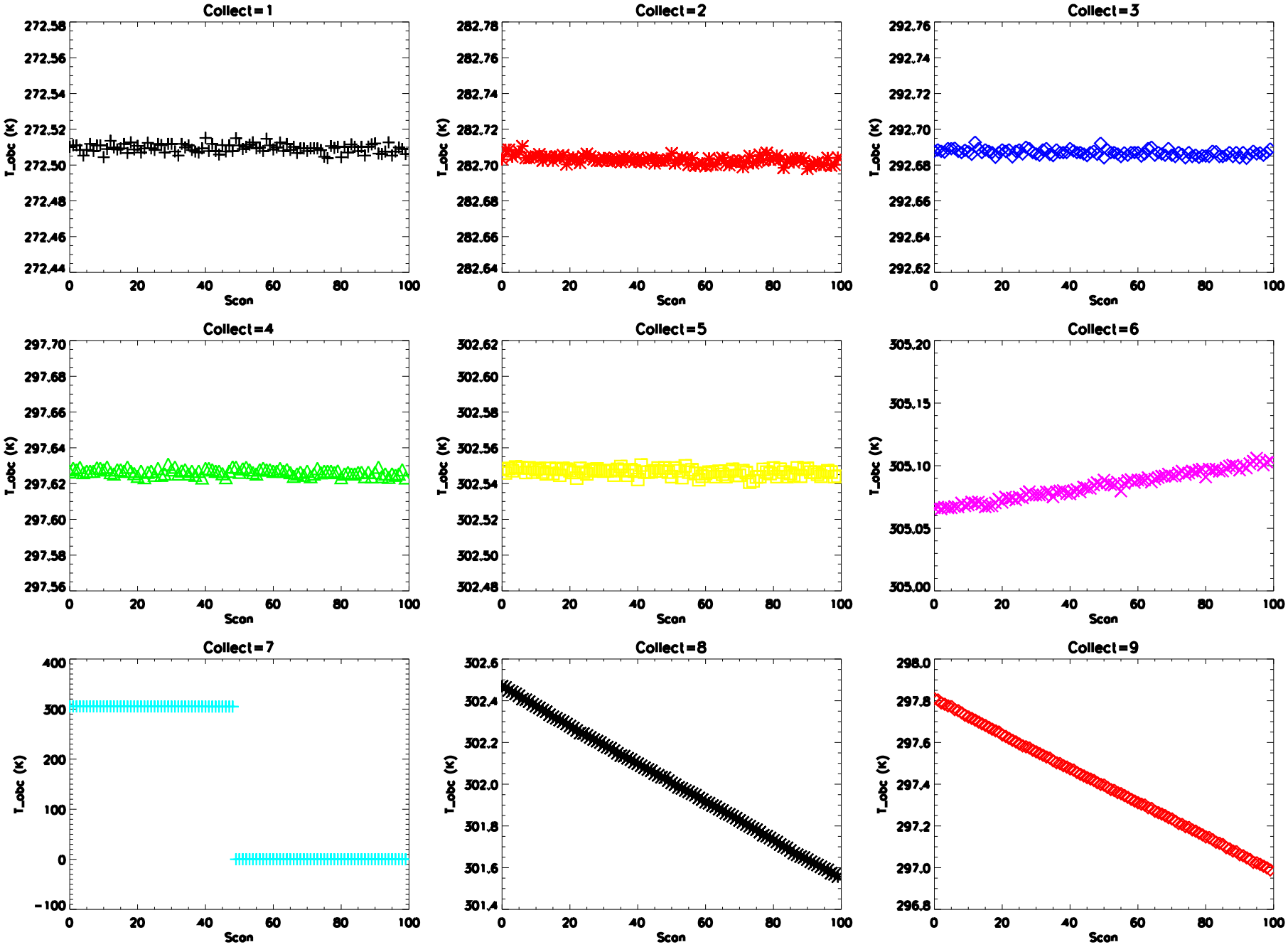
T_ham vs Scan


Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
T_ham (K)
Scan

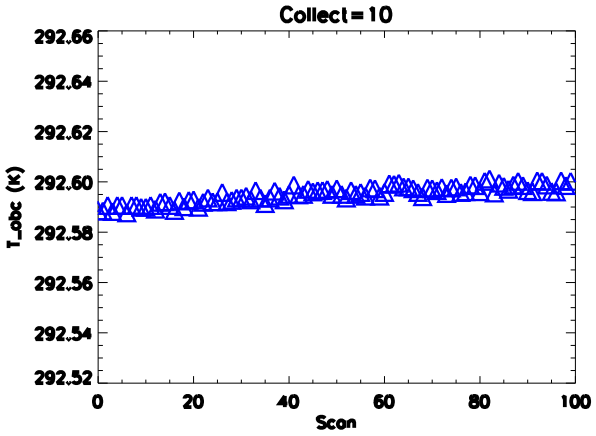
T_ham vs Scan

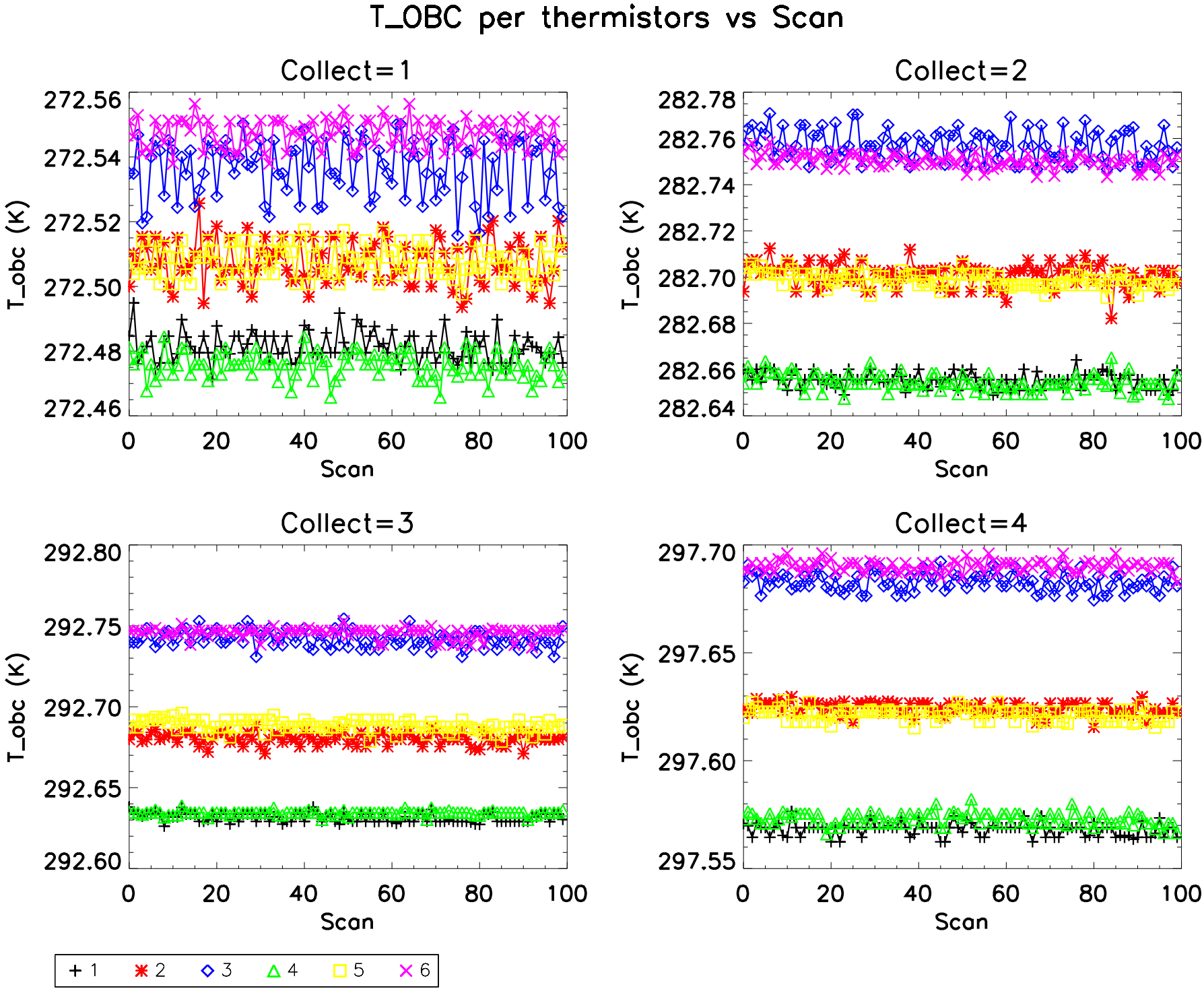

Collect = 10
254.92
254.90
254.88
254.86
254.84
254.82
254.80
254.78
T_ham (K)
0
20
40
60
80
100
Scan

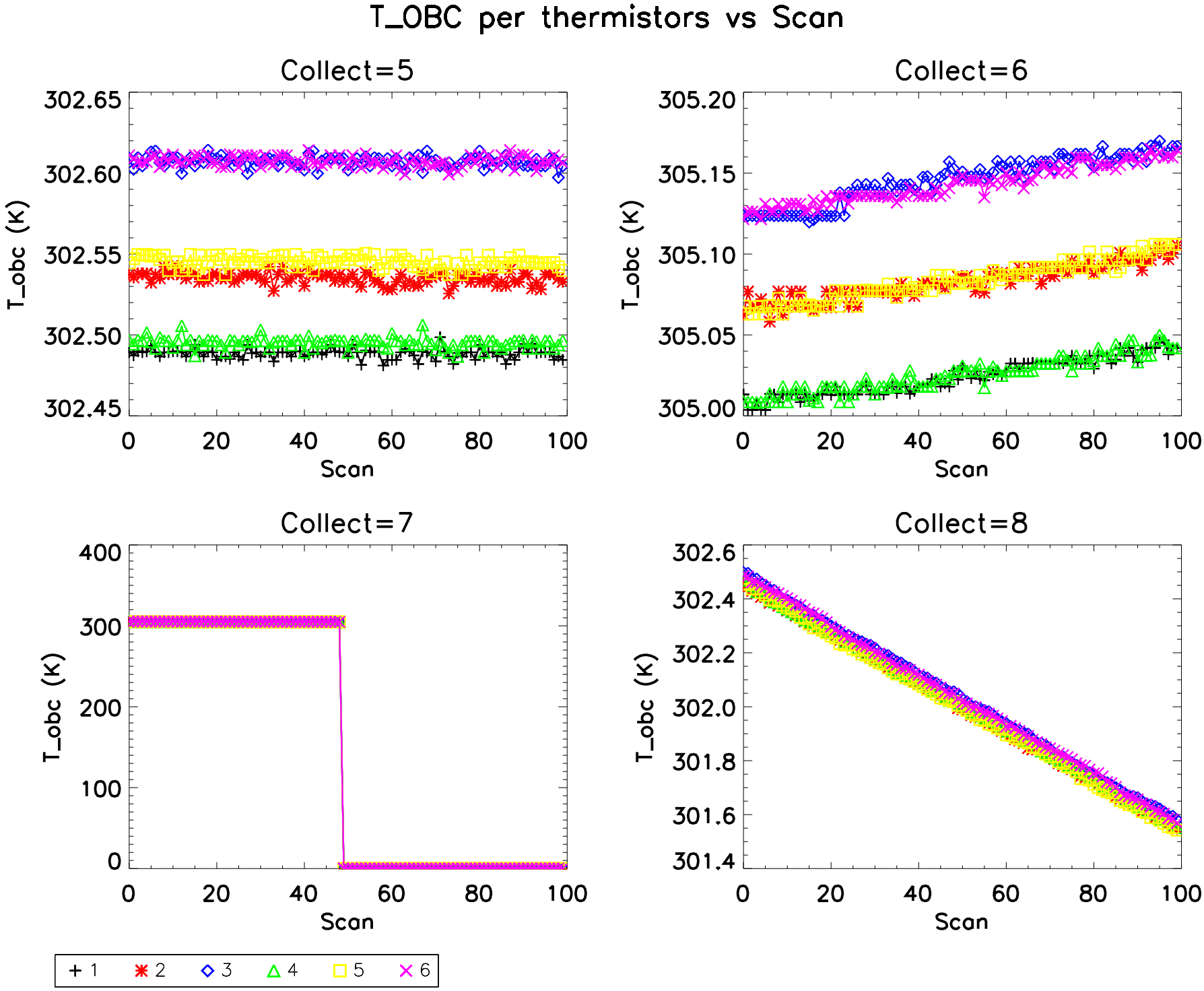
T_obc vs Scan


Collect=1
272.58
272.56
272.54
272.52
272.50
272.48
272.46
272.44
T_obc (K)
0
20
40
60
80
100
Scan
Collect=2
282.78
282.76
282.74
282.72
282.70
282.68
282.66
282.64
T_obc (K)
0
20
40
60
80
100
Scan
Collect=3
292.76
292.74
292.72
292.70
292.68
292.66
292.64
292.62
T_obc (K)
0
20
40
60
80
100
Scan
Collect=4
297.70
297.68
297.66
297.64
297.62
297.60
297.58
297.56
T_obc (K)
0
20
40
60
80
100
Scan
Collect=5
302.62
302.60
302.58
302.56
302.54
302.52
302.50
302.48
T_obc (K)
0
20
40
60
80
100
Scan
Collect=6
305.20
305.15
305.10
305.05
305.00
T_obc (K)
0
20
40
60
80
100
Scan
Collect=7
400
300
200
100
0
-100
T_obc (K)
0
20
40
60
80
100
Scan
Collect=8
302.6
302.4
302.2
302.0
301.8
301.6
301.4
T_obc (K)
0
20
40
60
80
100
Scan
Collect=9
298.0
297.8
297.6
297.4
297.2
297.0
296.8
T_obc (K)
0
20
40
60
80
100
Scan

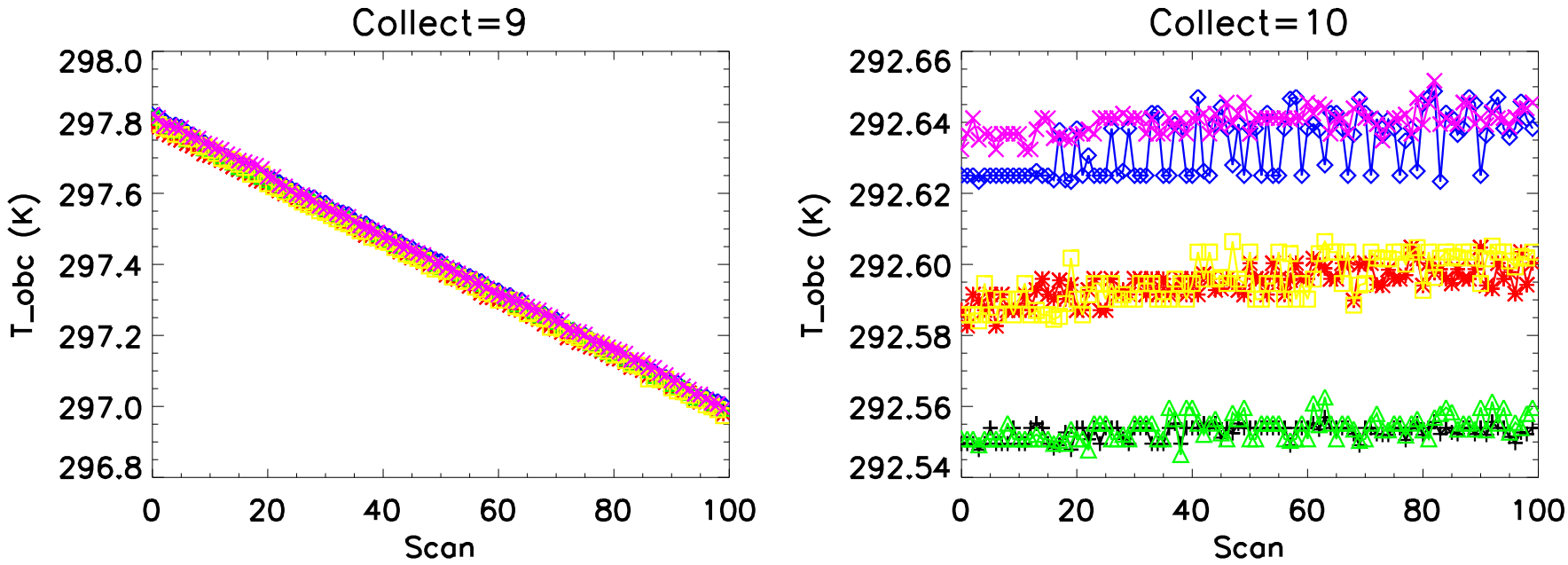
T_obc vs Scan

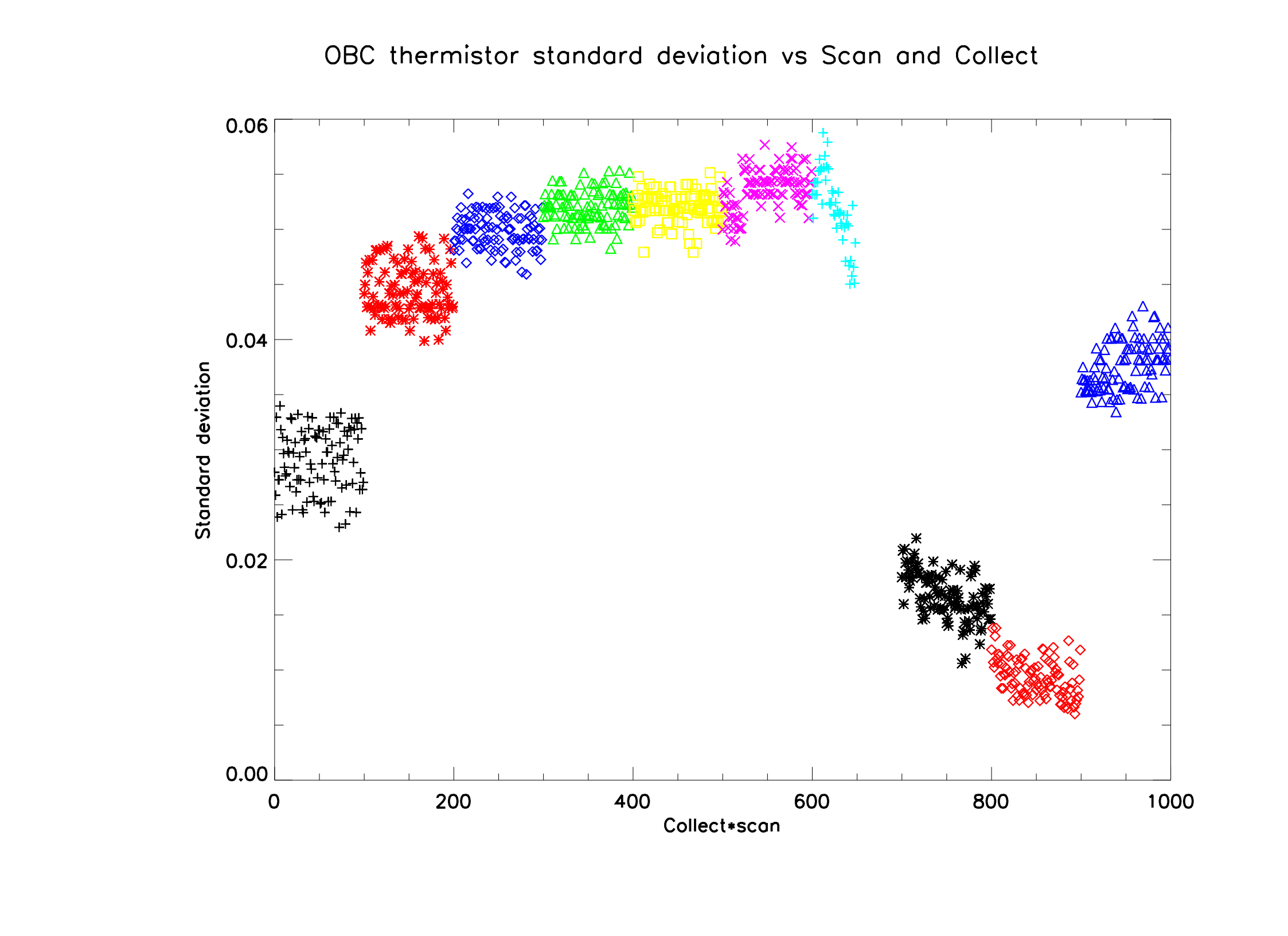

Collect = 10
292.66
292.64
292.62
292.60
292.58
292.56
292.54
292.52
T_obc (K)
0
20
40
60
80
100
Scan

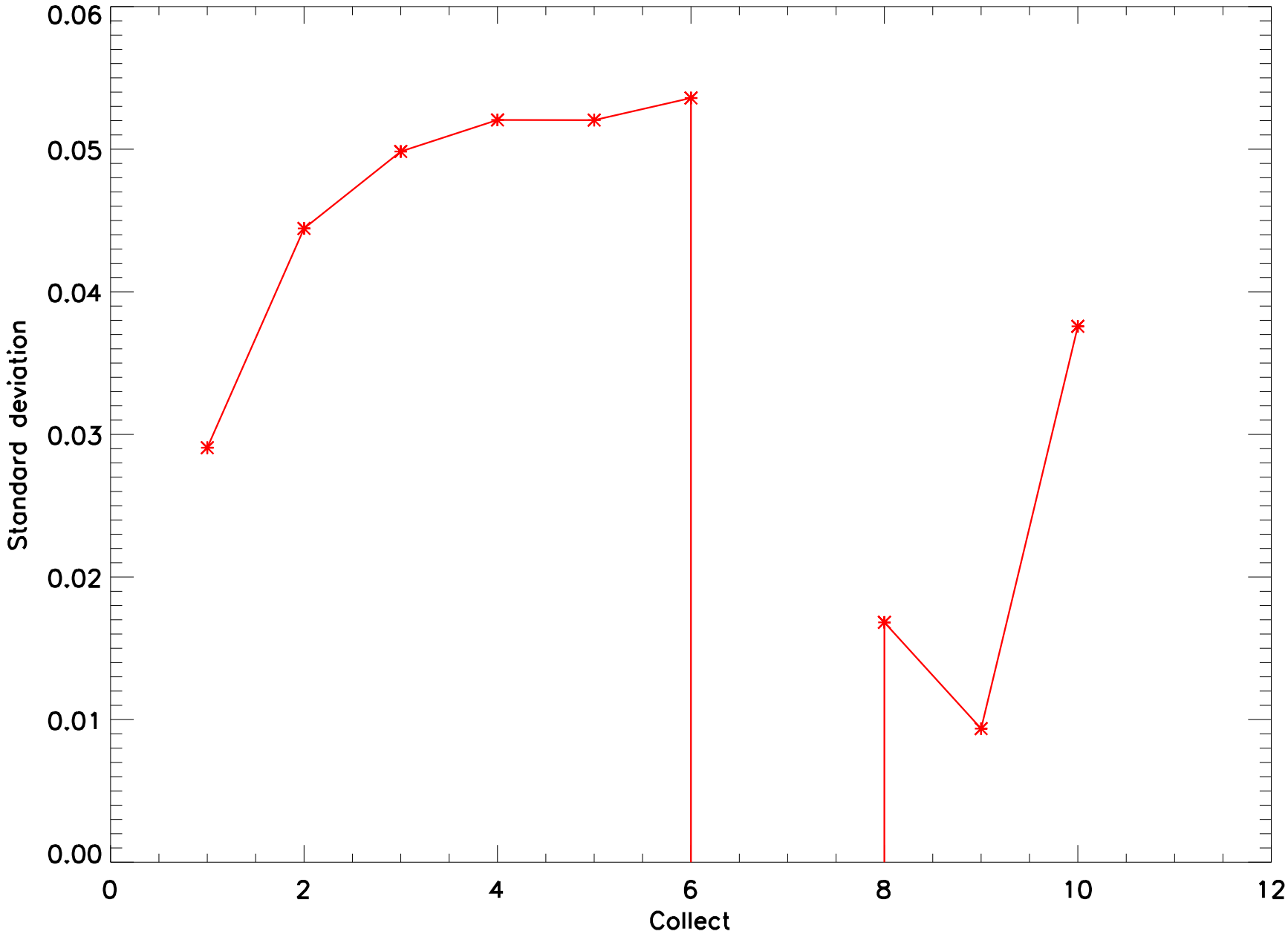

T_OBC per thermistors vs Scan
Collect=1
Collect=2
Collect=3
Collect=4
T_obc (K)
Scan
272.56
272.54
272.52
272.50
272.48
272.46
282.78
282.76
282.74
282.72
282.70
282.68
282.66
282.64
292.80
292.75
292.70
292.65
292.60
297.70
297.65
297.60
297.55
0
20
40
60
80
100
1
2
3
4
5
6

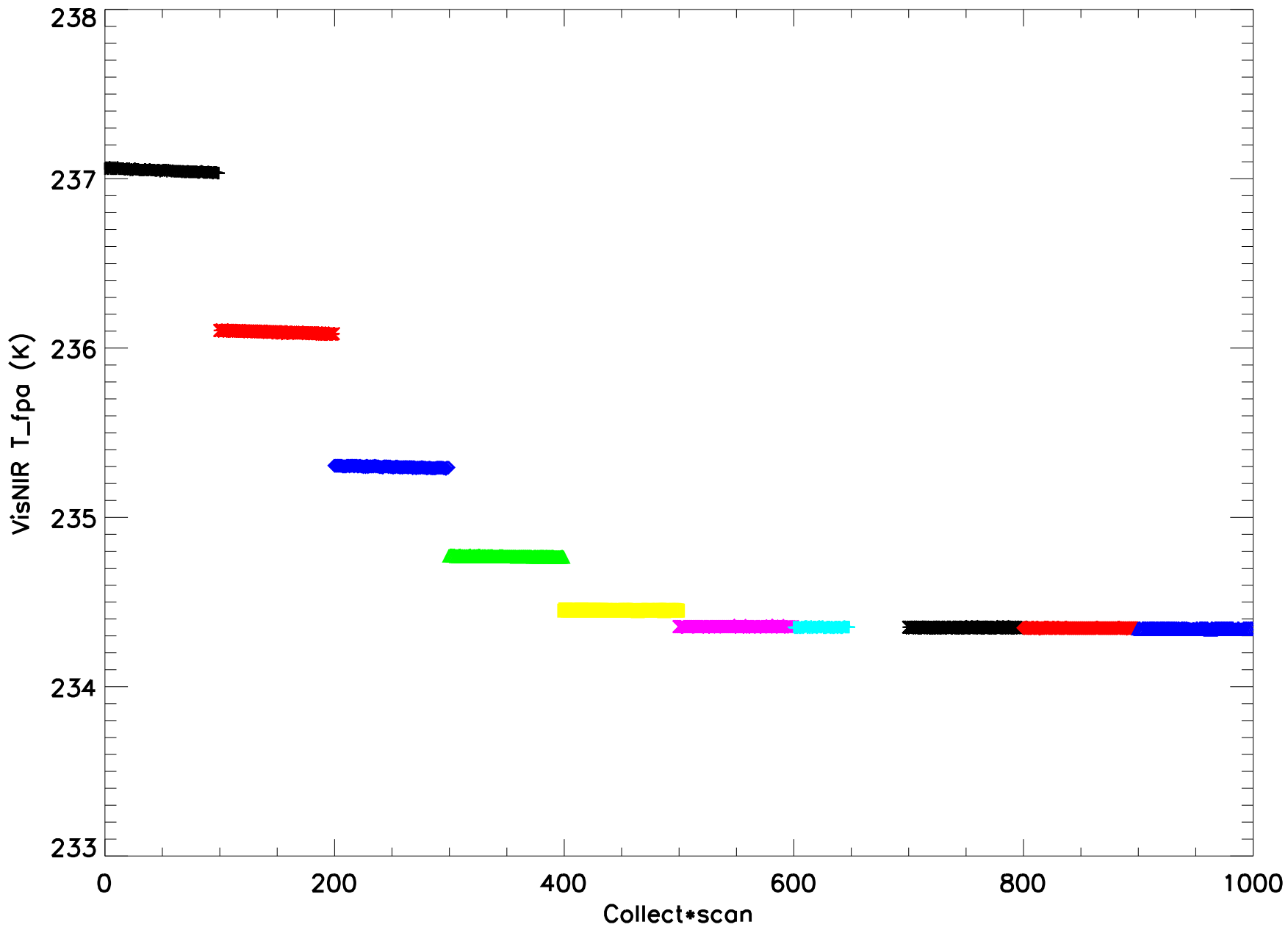

T_OBC per thermistors vs Scan
Collect=5
Collect=6
Collect=7
Collect=8
T_obc (K)
Scan
302.65
302.60
302.55
302.50
302.45
305.20
305.15
305.10
305.05
305.00
400
300
200
100
0
302.6
302.4
302.2
302.0
301.8
301.6
301.4
0
20
40
60
80
100
1
2
3
4
5
6

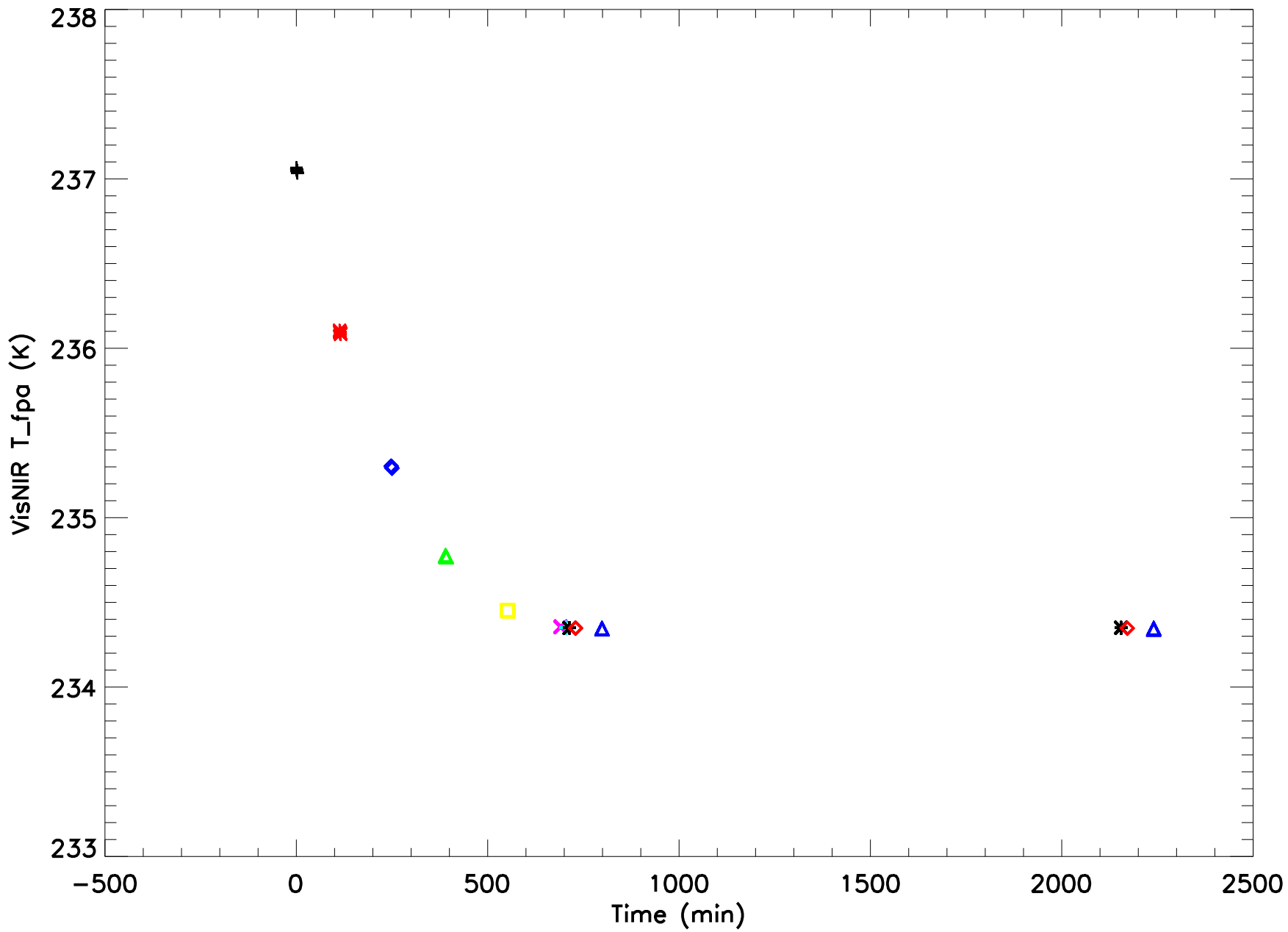
T_OBC per thermistors vs Scan

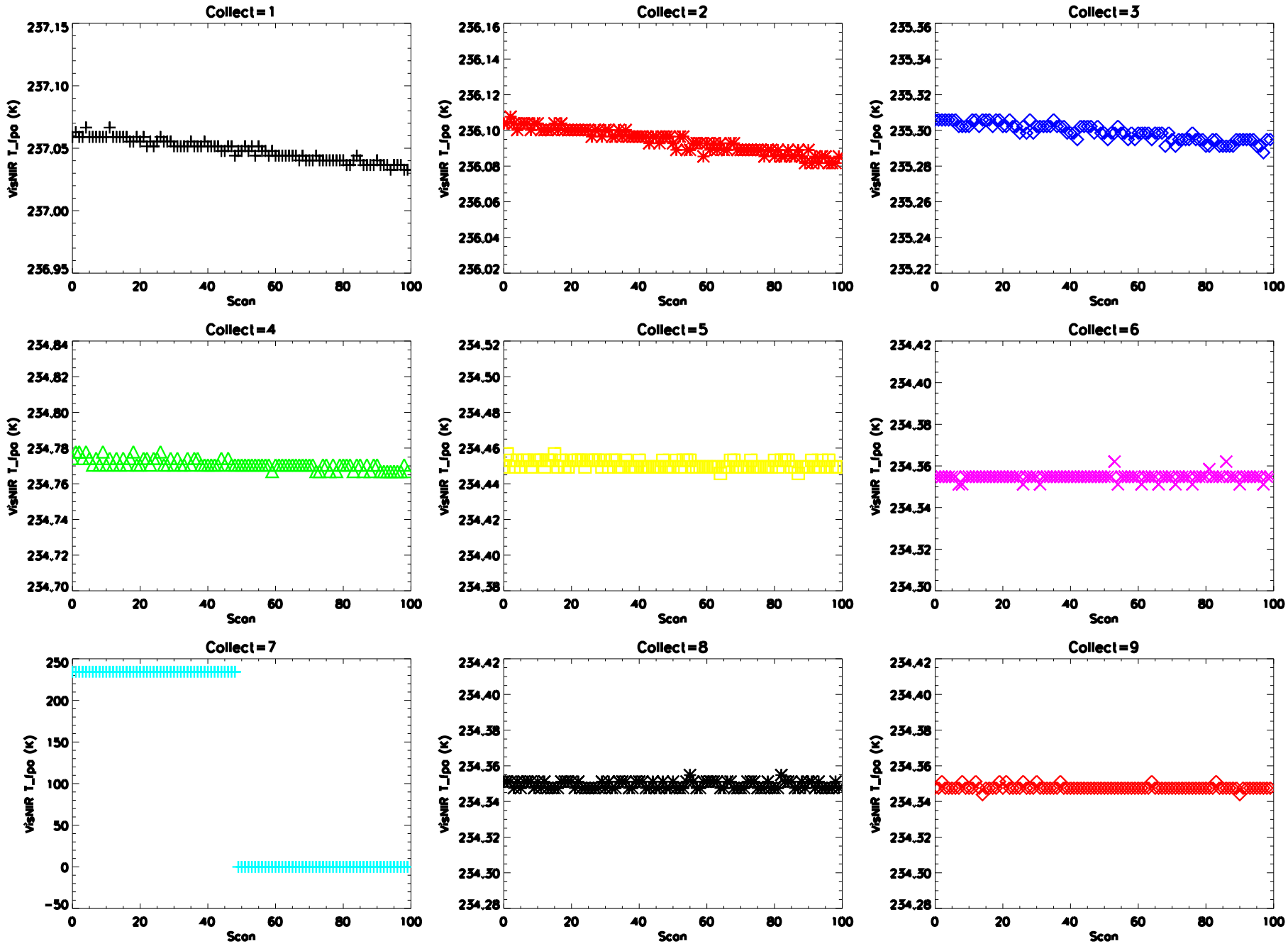



OBC thermistor standard deviation vs Scan and Collect
Standard deviation
0.06
0.04
0.02
0.00
0
200
400
600
800
1000
Collect*scan

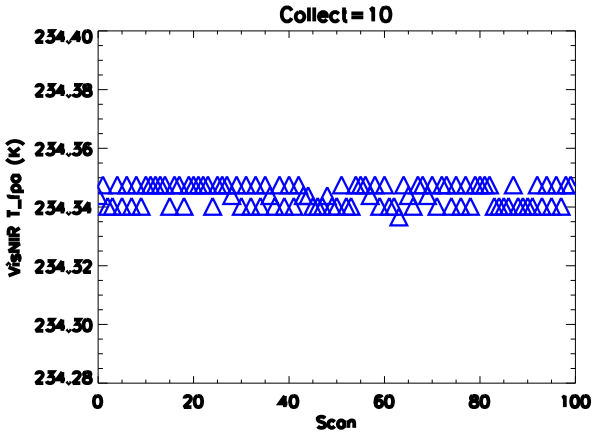

OBC thermistor standard deviation vs Collect
Standard deviation
0.06
0.05
0.04
0.03
0.02
0.01
0.00
0
2
4
6
8
10
12
Collect

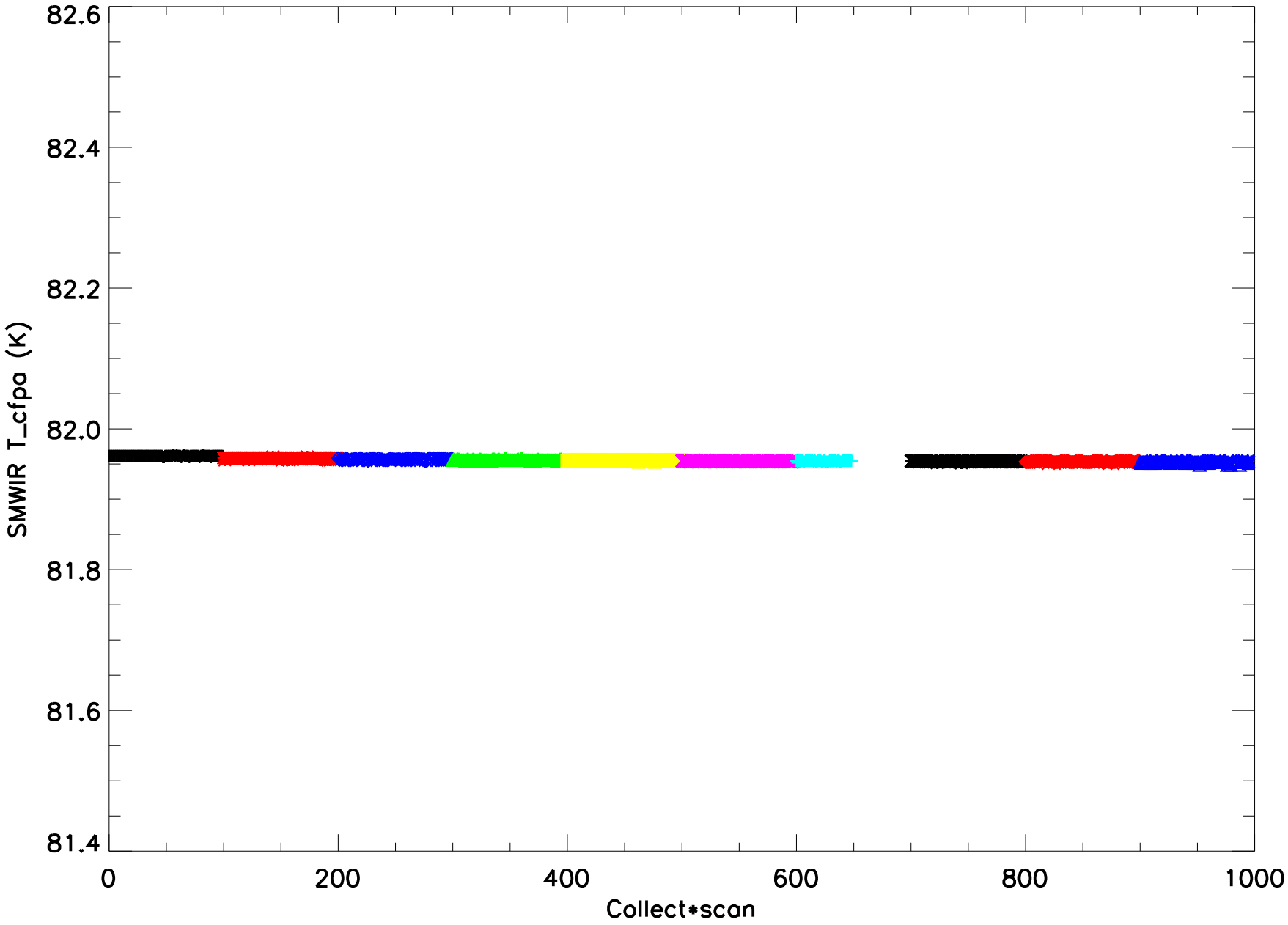

VisNIR T_fpa vs Scan and Collect
VisNIR T_fpa (K)
238
237
236
235
234
233
0
200
400
600
800
1000
Collect*scan

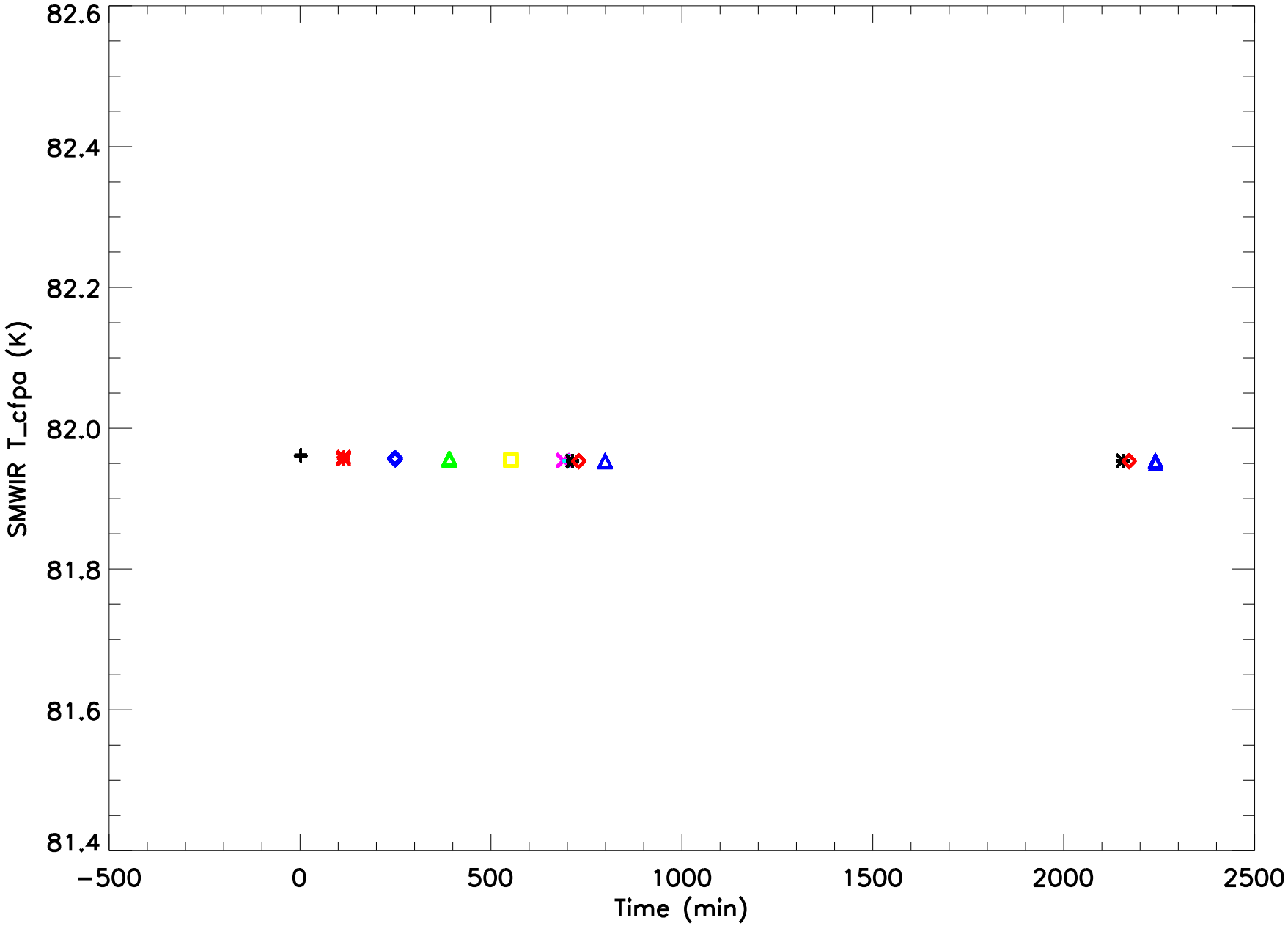

VisNIR T_fpa vs Time
VisNIR T_fpa (K)
238
237
236
235
234
233
−500
0
500
1000
1500
2000
2500
Time (min)


Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
VisNIR T_fpo (K)
Scan

VisNIR T_fpa vs Scan

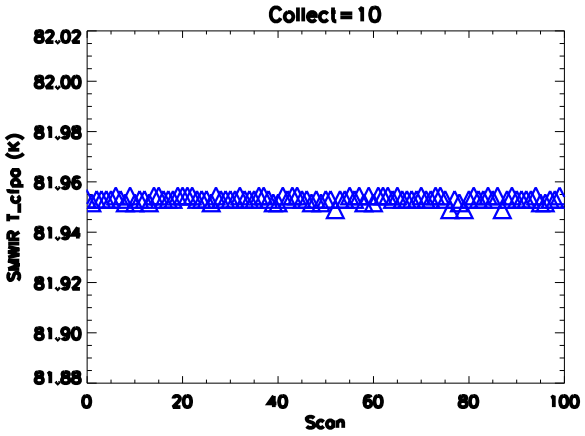


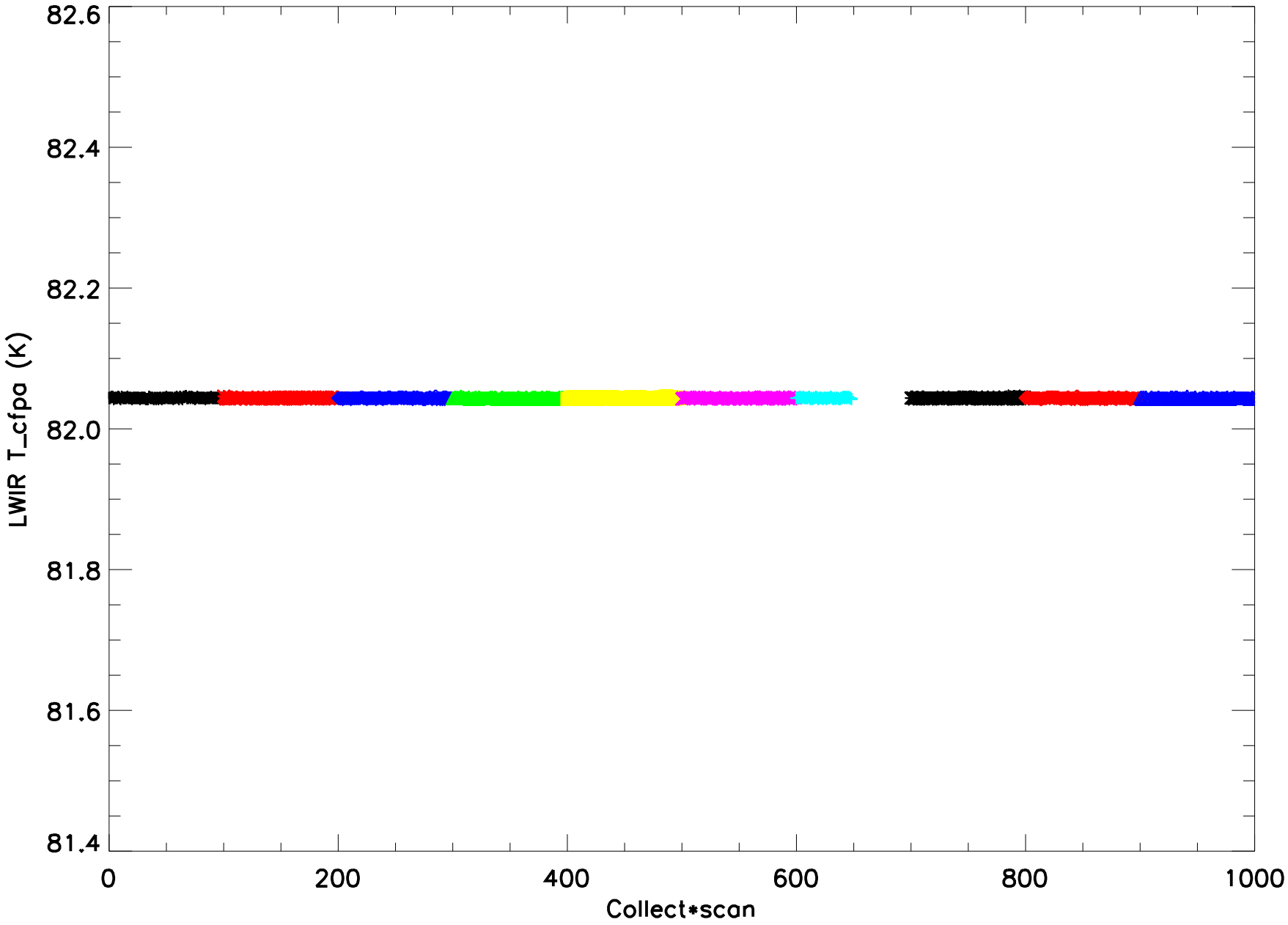

SMWIR T_cfpa vs Scan and Collect
82.6
82.4
82.2
82.0
81.8
81.6
81.4
SMWIR T_cfpa (K)
0
200
400
600
800
1000
Collect*scan

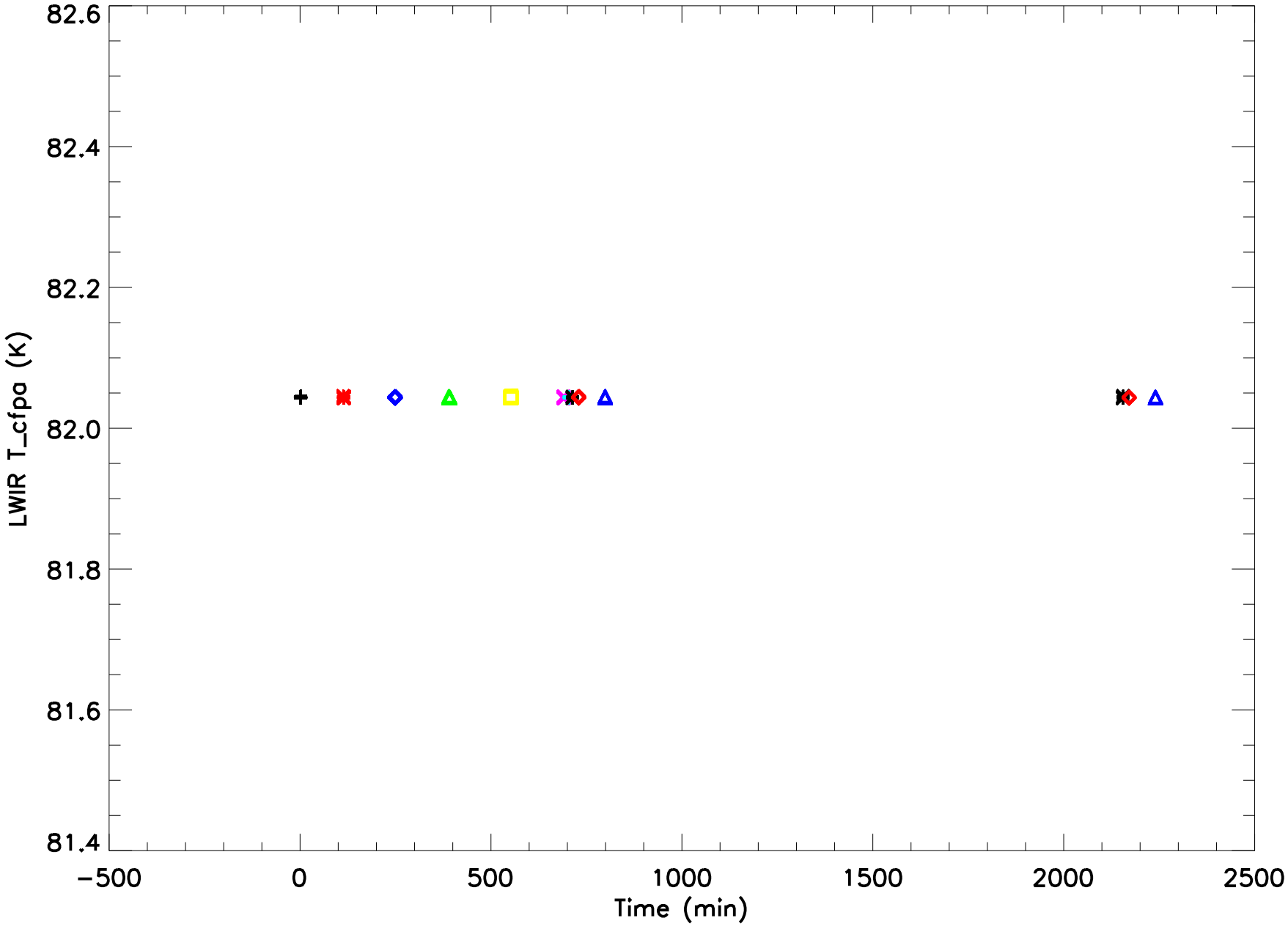

SMWIR T_cfpa vs Time
82.6
82.4
82.2
82.0
81.8
81.6
81.4
SMWIR T_cfpa (K)
−500
0
500
1000
1500
2000
2500
Time (min)

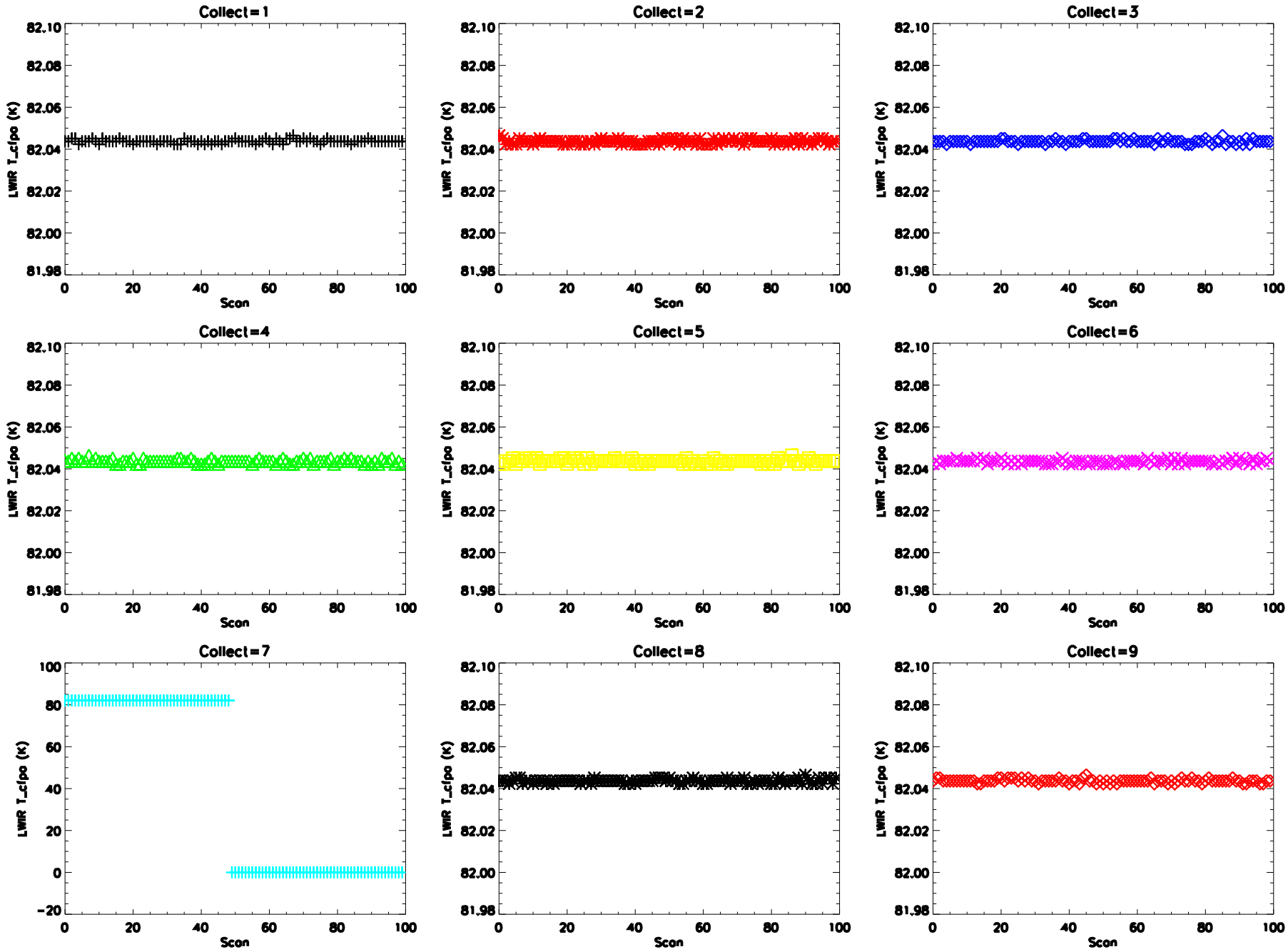
Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
SAMIR T_cipa (K)
Scan
82.02
82.00
81.98
81.96
81.94
81.92
81.90
0
20
40
60
80
100
-20

SMWIR T_cfpa vs Scan

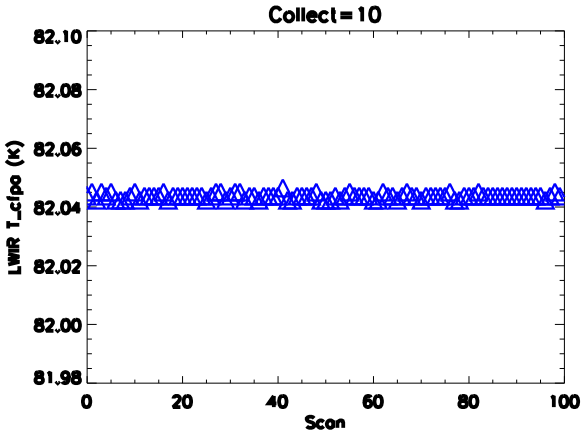


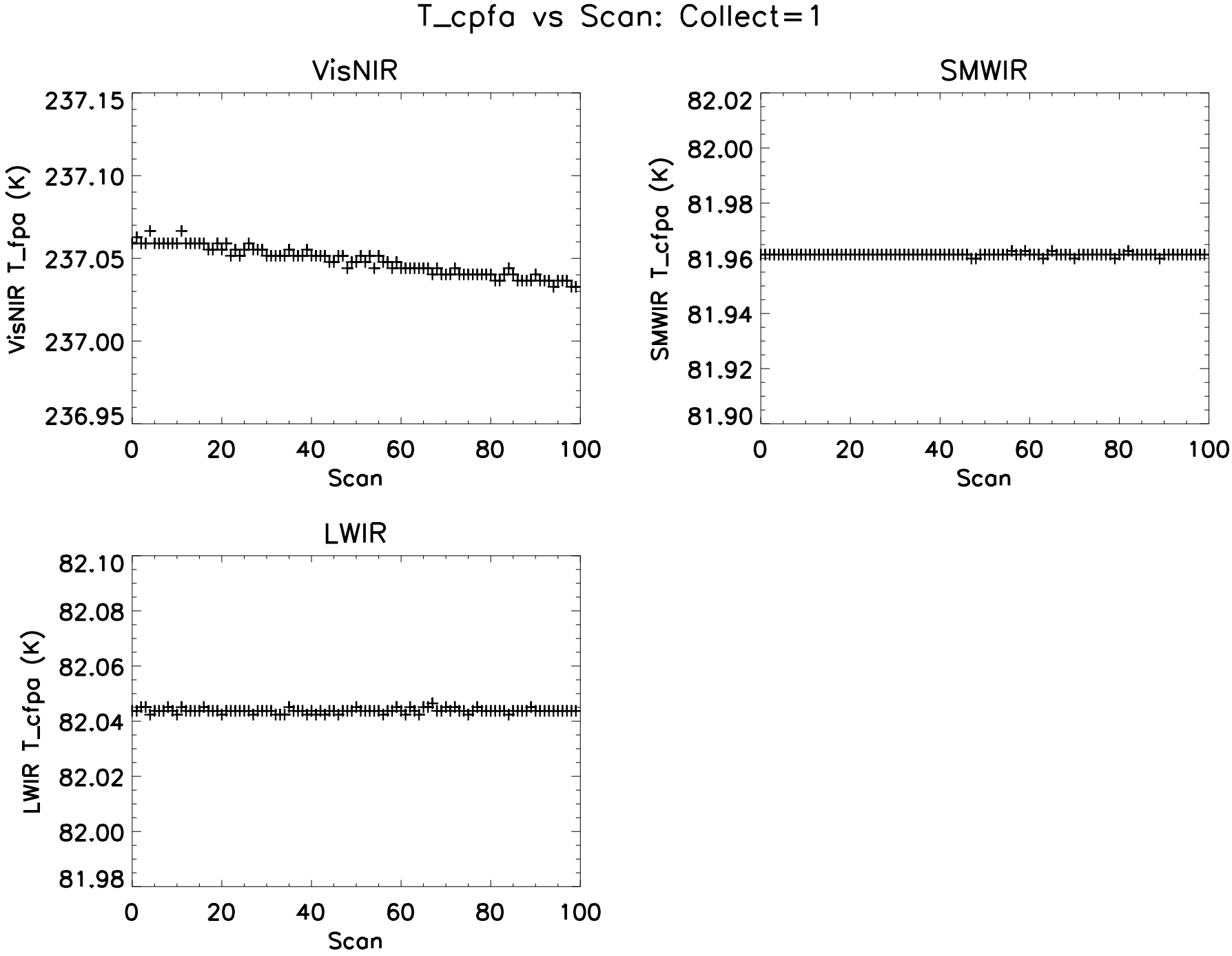

LWIR T_cfpa vs Scan and Collect
LWIR T_cfpa (K)
82.6
82.4
82.2
82.0
81.8
81.6
81.4
0
200
400
600
800
1000
Collect*scan

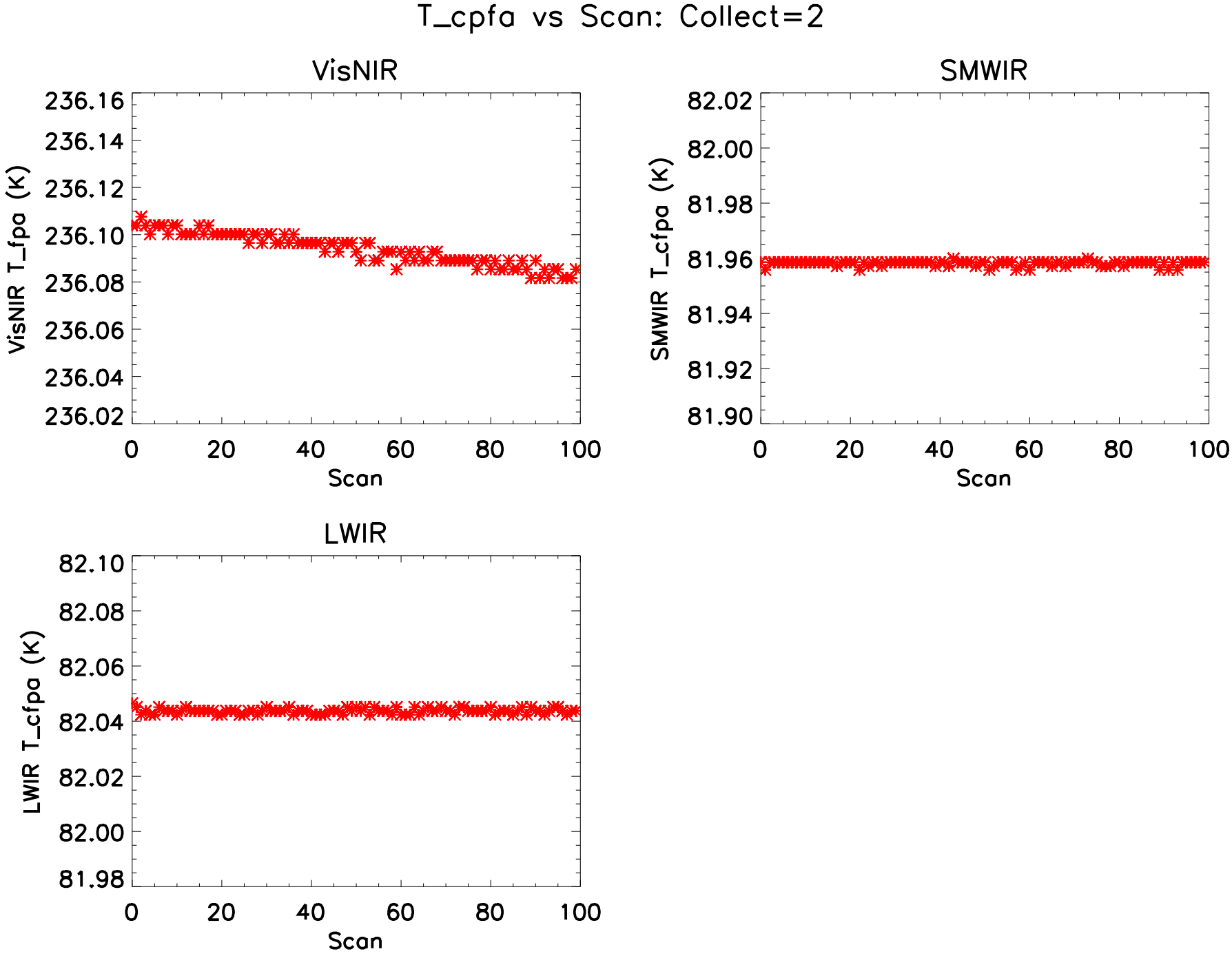

LWIR T_cfpa vs Time
LWIR T_cfpa (K)
82.6
82.4
82.2
82.0
81.8
81.6
81.4
−500
0
500
1000
1500
2000
2500
Time (min)

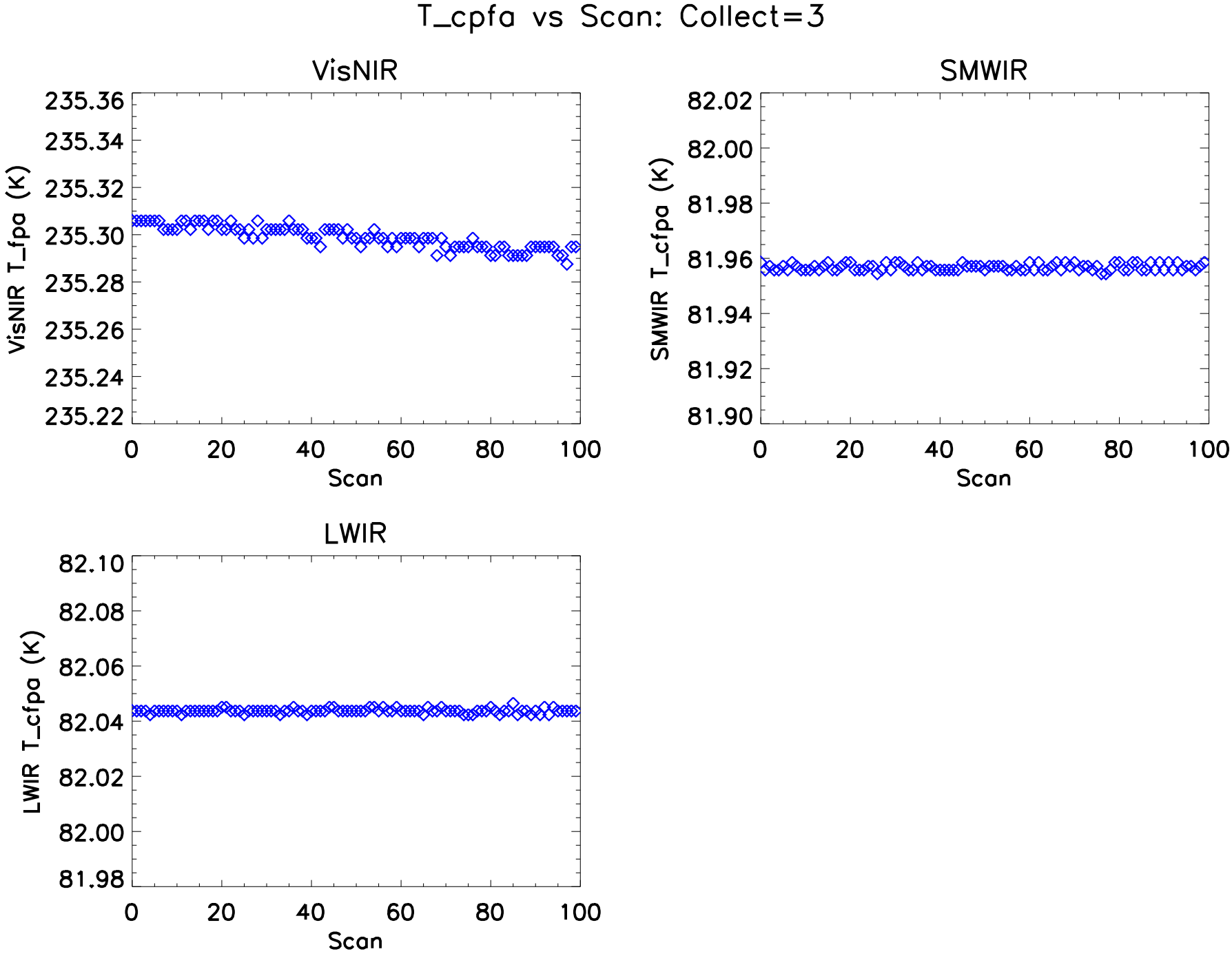

Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
LWIR T_cfpa (K)
Scan
82.10
82.08
82.06
82.04
82.02
82.00
81.98
100
80
60
40
20
0
-20
0
20
40
60
80
100

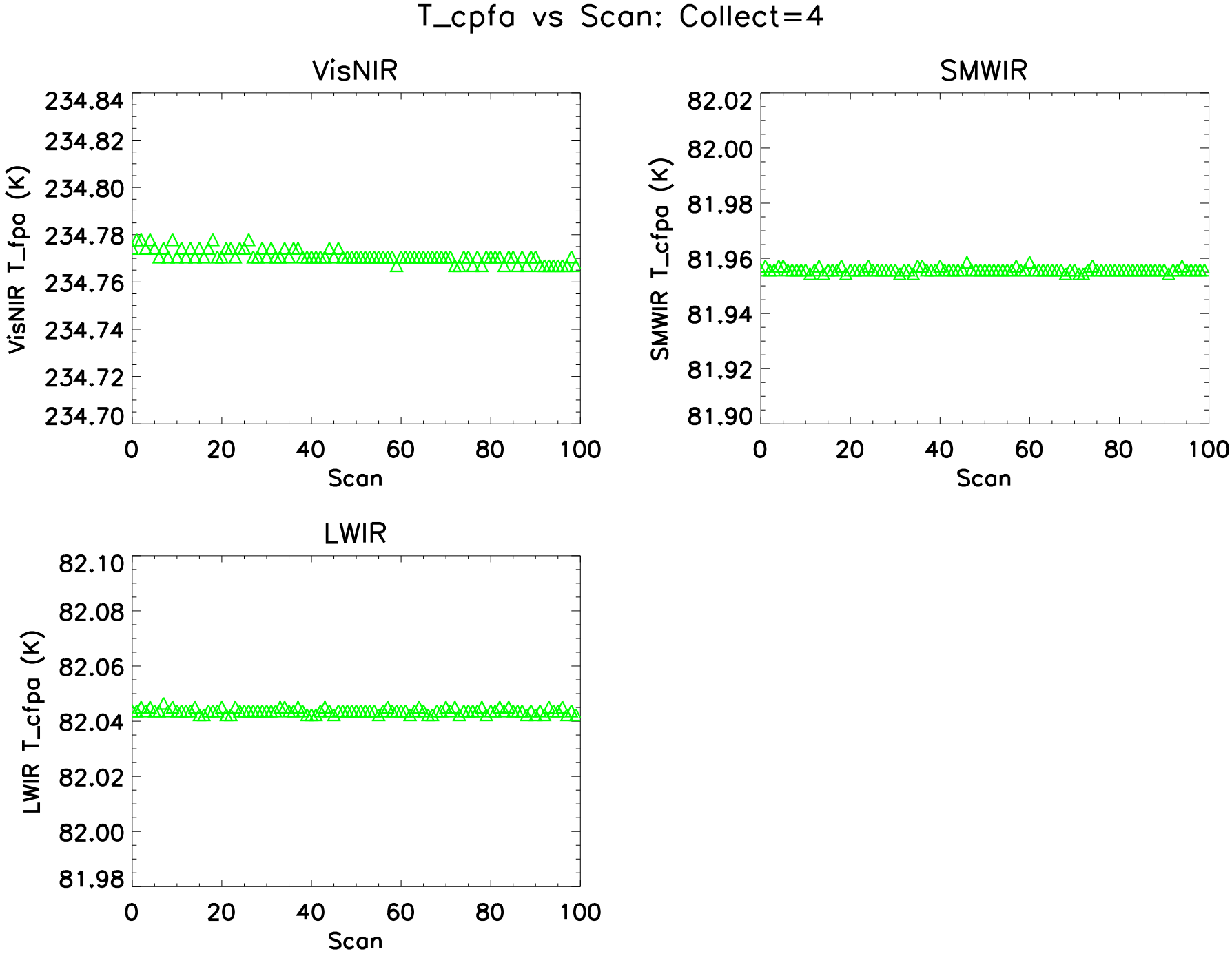
LWIR T_cfpa vs Scan

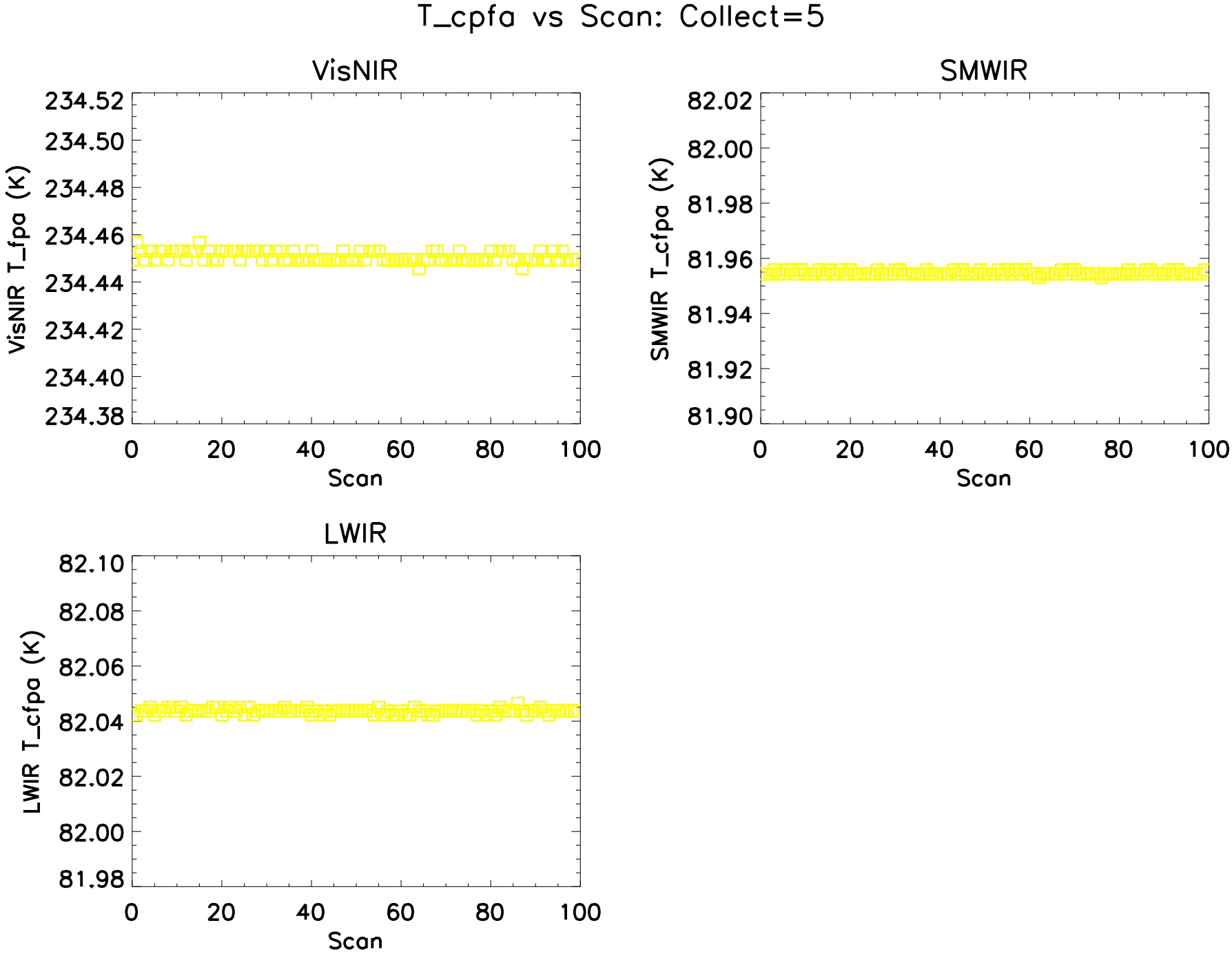


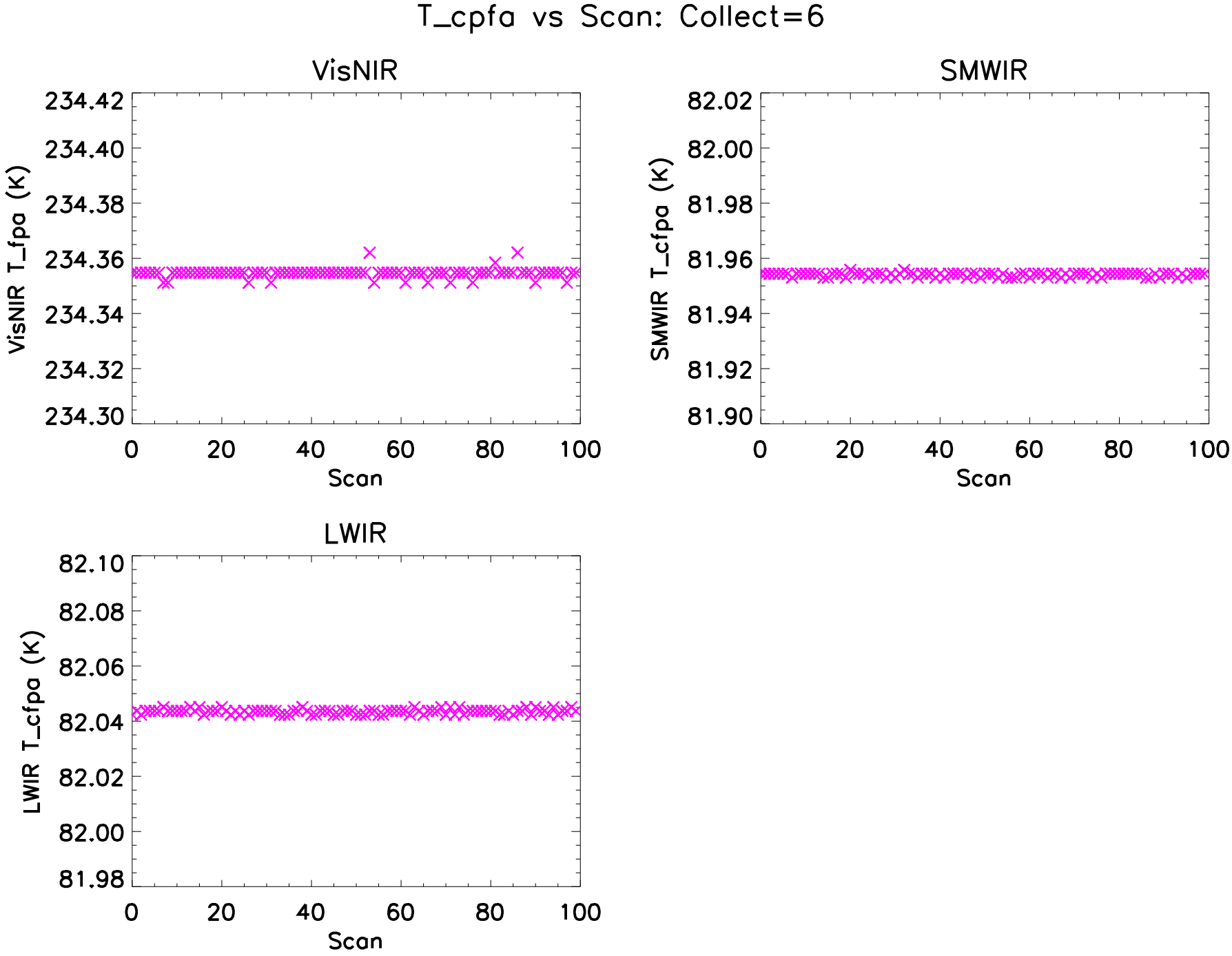

T_cpfa vs Scan: Collect=1
VisNIR
VisNIR T_fpa (K)
237.15
237.10
237.05
237.00
236.95
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
82.02
82.00
81.98
81.96
81.94
81.92
81.90
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
20
40
60
80
100
Scan

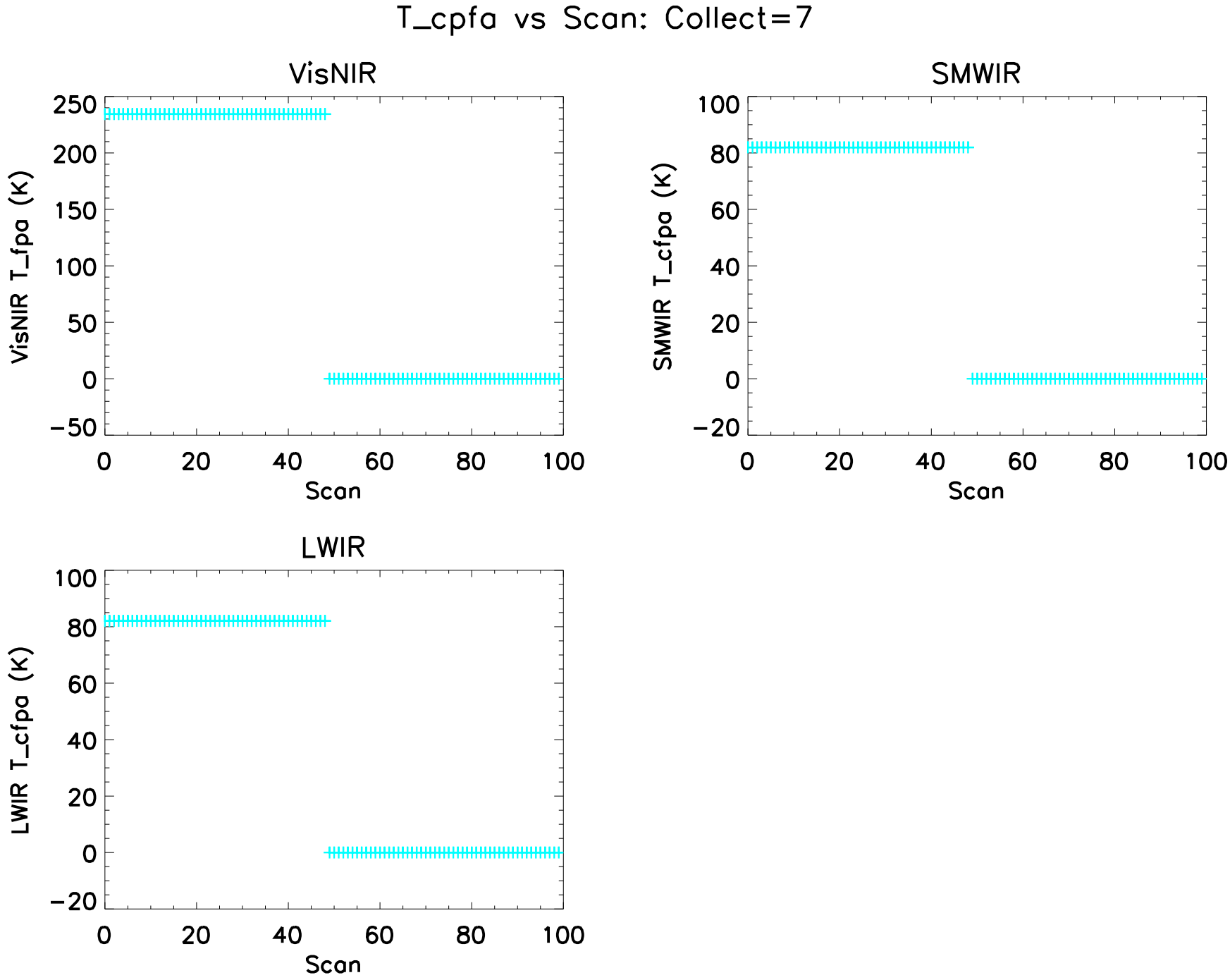

T_cpfa vs Scan: Collect=2
VisNIR
VisNIR T_fpa (K)
236.16
236.14
236.12
236.10
236.08
236.06
236.04
236.02
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
82.02
82.00
81.98
81.96
81.94
81.92
81.90
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
20
40
60
80
100
Scan

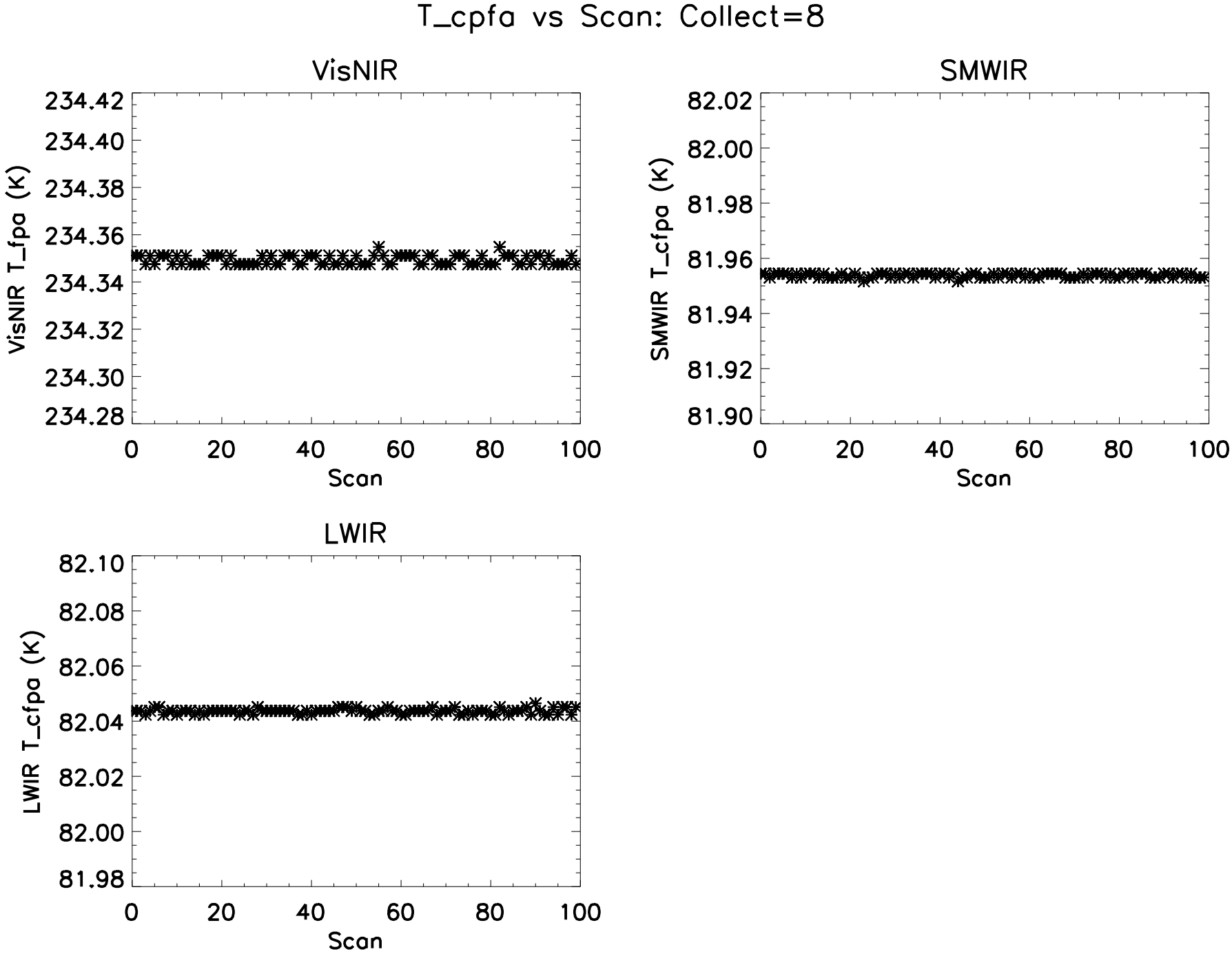

T_cpfa vs Scan: Collect=3
VisNIR
VisNIR T_fpa (K)
235.36
235.34
235.32
235.30
235.28
235.26
235.24
235.22
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
82.02
82.00
81.98
81.96
81.94
81.92
81.90
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
20
40
60
80
100
Scan

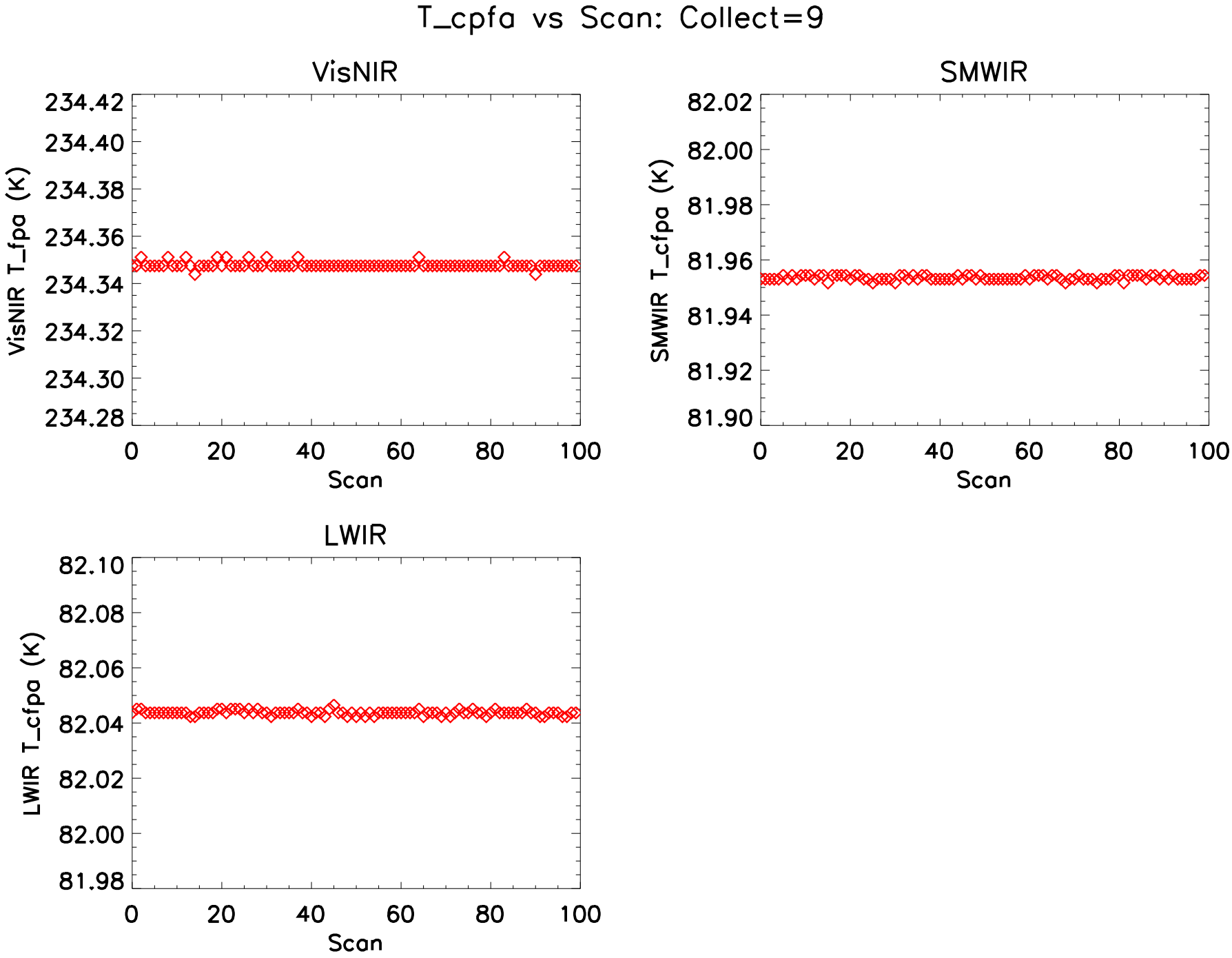

T_cpfa vs Scan: Collect=4
VisNIR
VisNIR T_fpa (K)
234.84
234.82
234.80
234.78
234.76
234.74
234.72
234.70
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
82.02
82.00
81.98
81.96
81.94
81.92
81.90
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
20
40
60
80
100
Scan

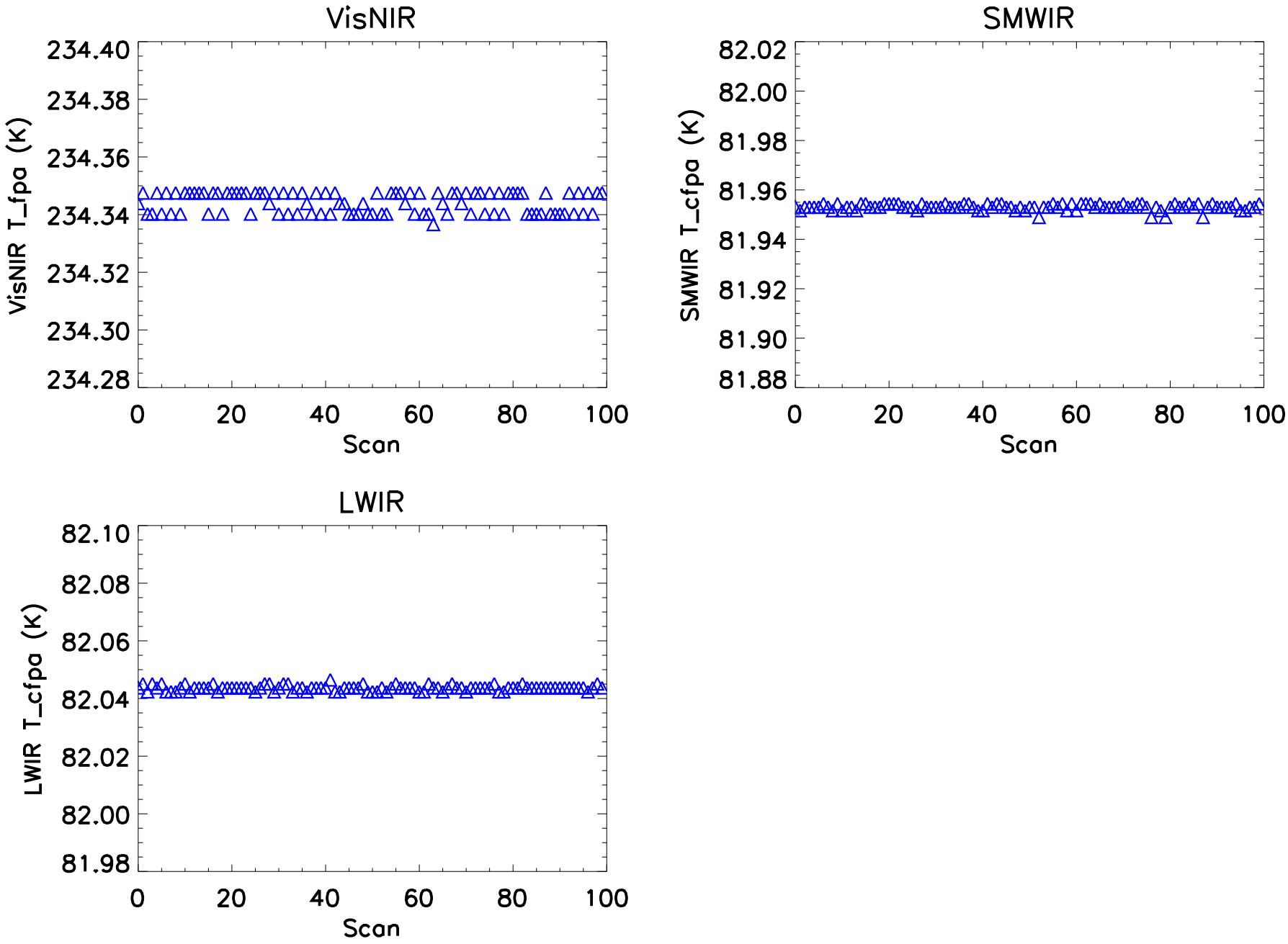

T_cpfa vs Scan: Collect=5
VisNIR
VisNIR T_fpa (K)
234.52
234.50
234.48
234.46
234.44
234.42
234.40
234.38
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
82.02
82.00
81.98
81.96
81.94
81.92
81.90
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
20
40
60
80
100
Scan

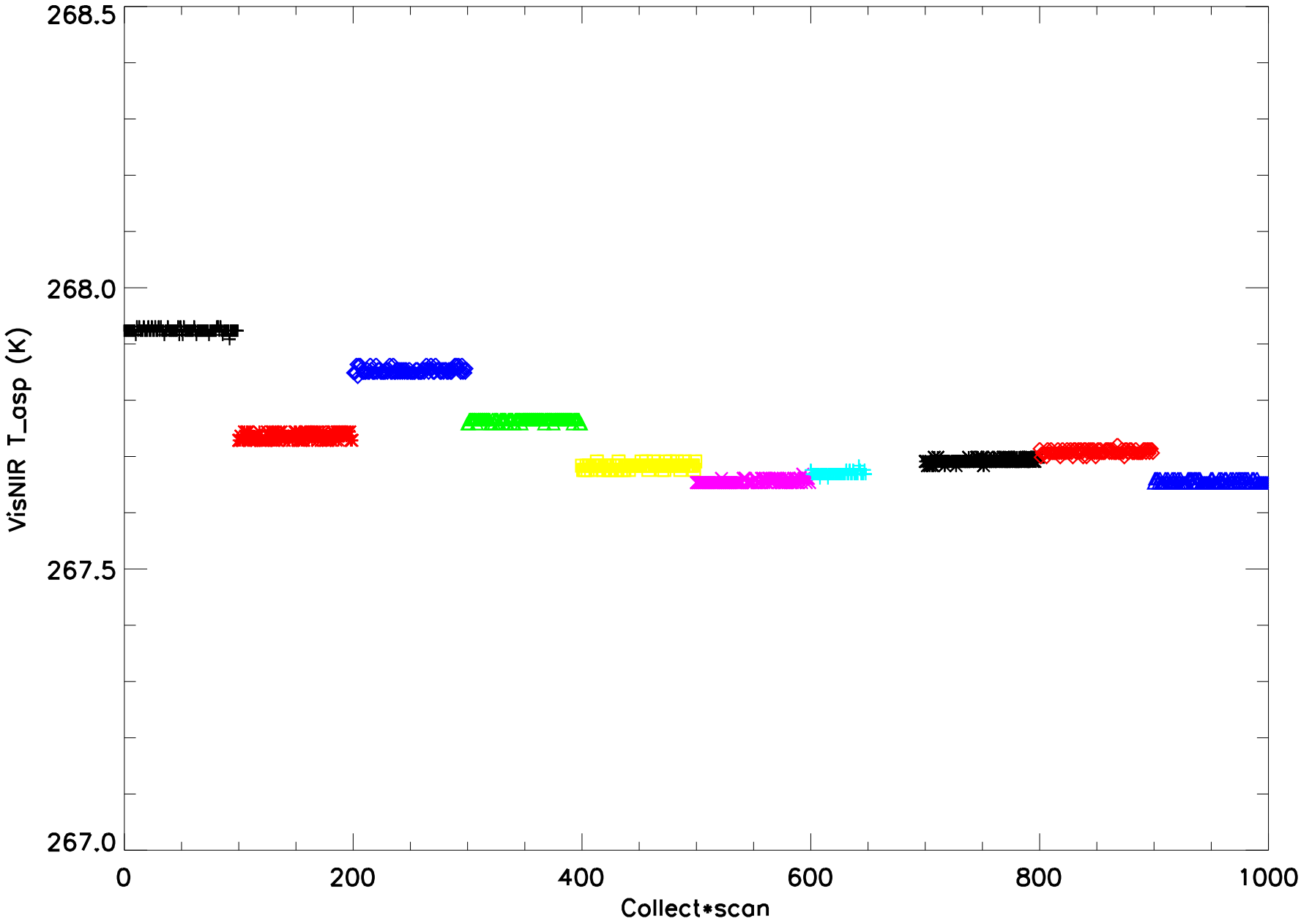

T_cpfa vs Scan: Collect=6
VisNIR
VisNIR T_fpa (K)
234.42
234.40
234.38
234.36
234.34
234.32
234.30
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
82.02
82.00
81.98
81.96
81.94
81.92
81.90
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
20
40
60
80
100
Scan

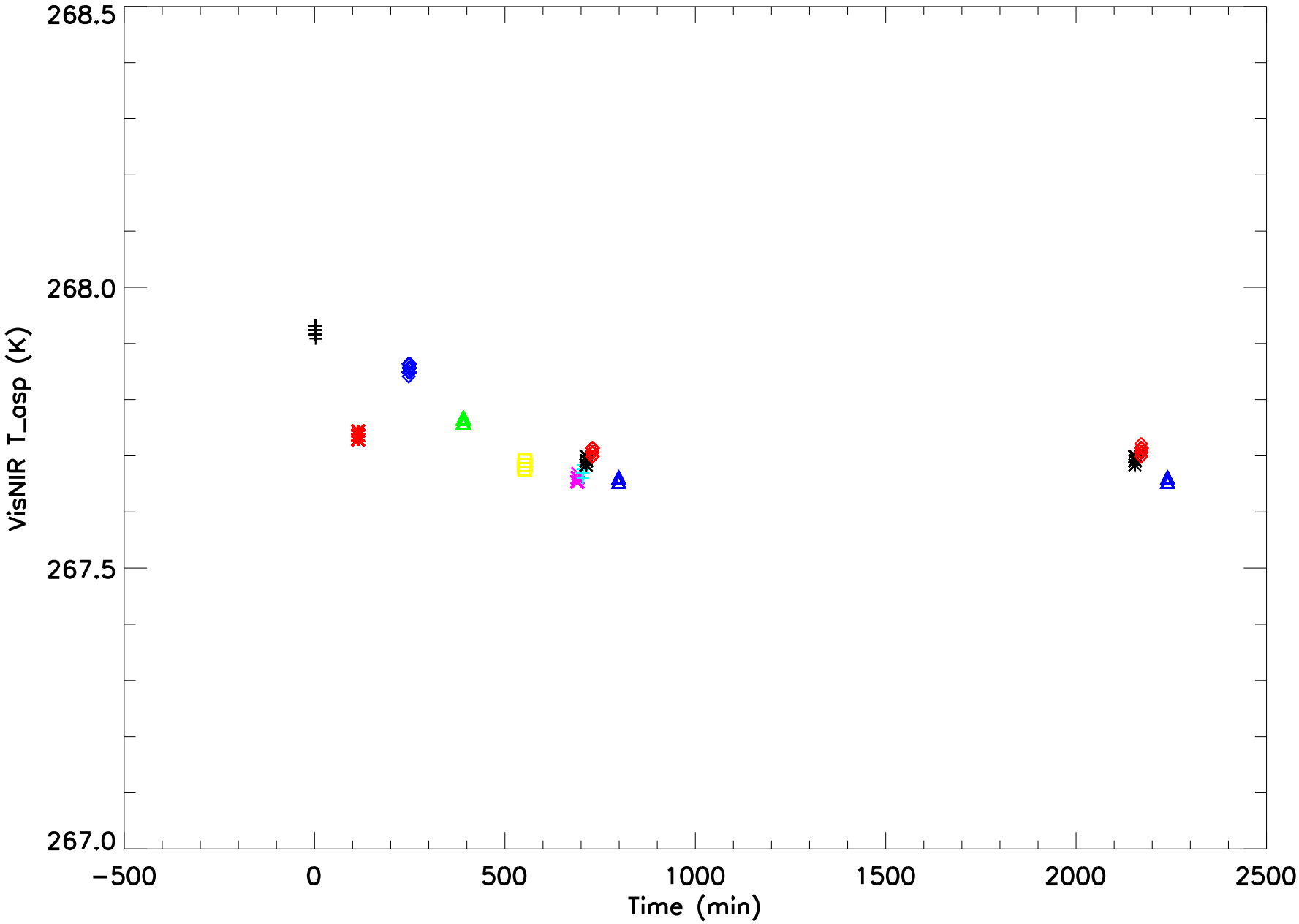

T_cpfa vs Scan: Collect=7
VisNIR
VisNIR T_fpa (K)
250
200
150
100
50
0
−50
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
100
80
60
40
20
0
−20
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
100
80
60
40
20
0
−20
0
20
40
60
80
100
Scan

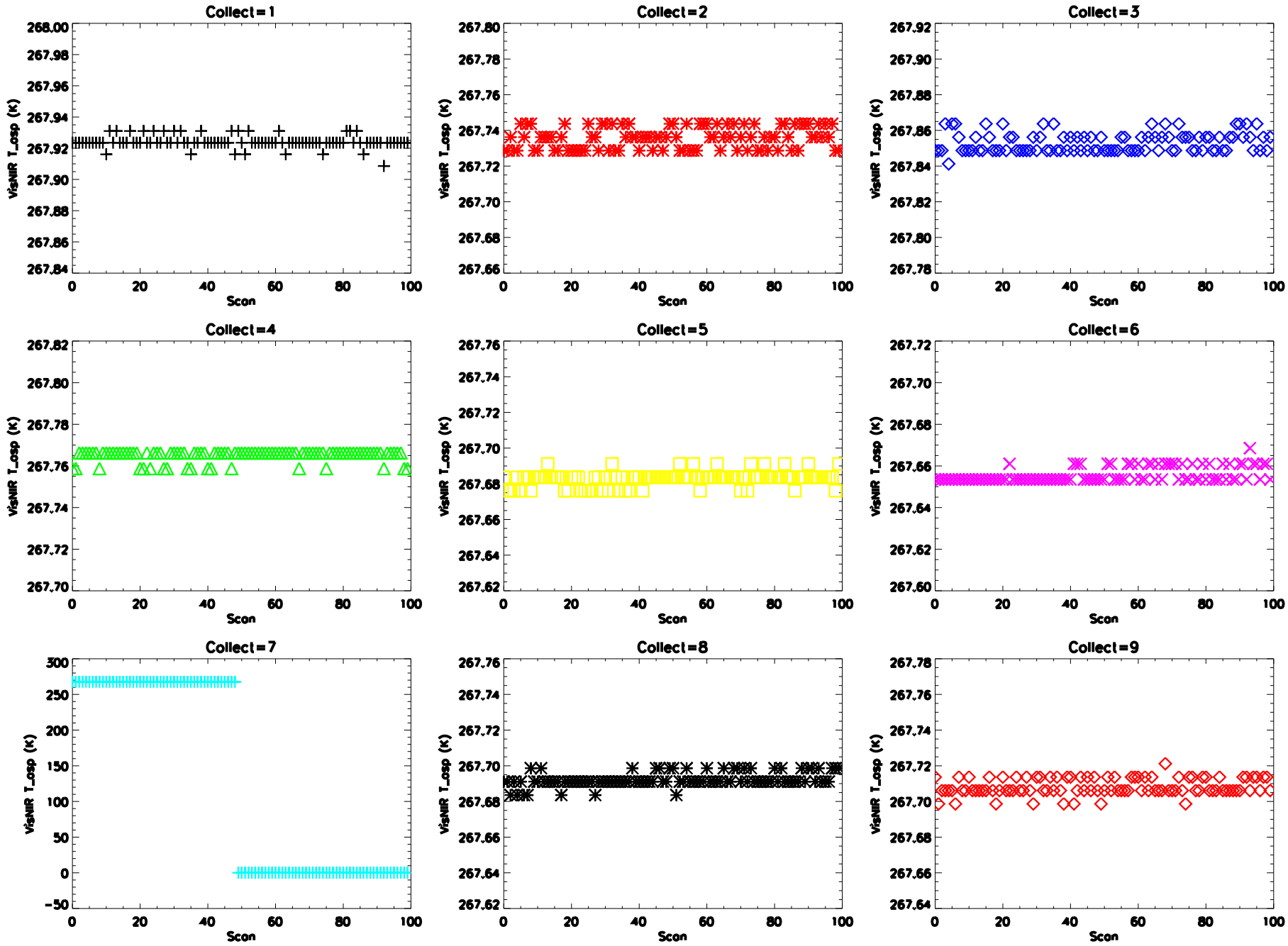

T_cpfa vs Scan: Collect=8
VisNIR
VisNIR T_fpa (K)
234.42
234.40
234.38
234.36
234.34
234.32
234.30
234.28
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
82.02
82.00
81.98
81.96
81.94
81.92
81.90
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
20
40
60
80
100
Scan


T_cpfa vs Scan: Collect=9
VisNIR
VisNIR T_fpa (K)
234.42
234.40
234.38
234.36
234.34
234.32
234.30
234.28
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
82.02
82.00
81.98
81.96
81.94
81.92
81.90
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

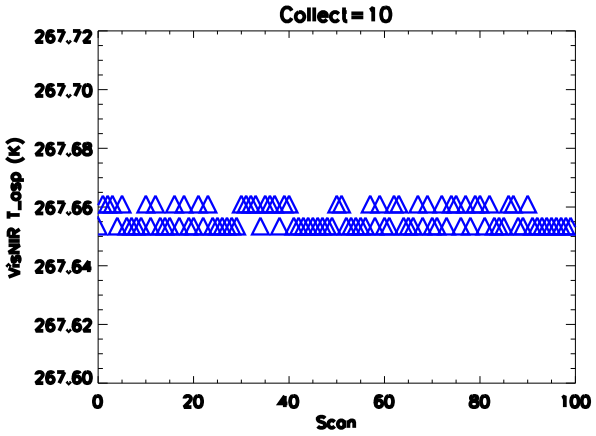

T_cpfa vs Scan: Collect=10
VisNIR
VisNIR T_fpa (K)
234.40
234.38
234.36
234.34
234.32
234.30
234.28
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
82.02
82.00
81.98
81.96
81.94
81.92
81.90
81.88
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
20
40
60
80
100
Scan

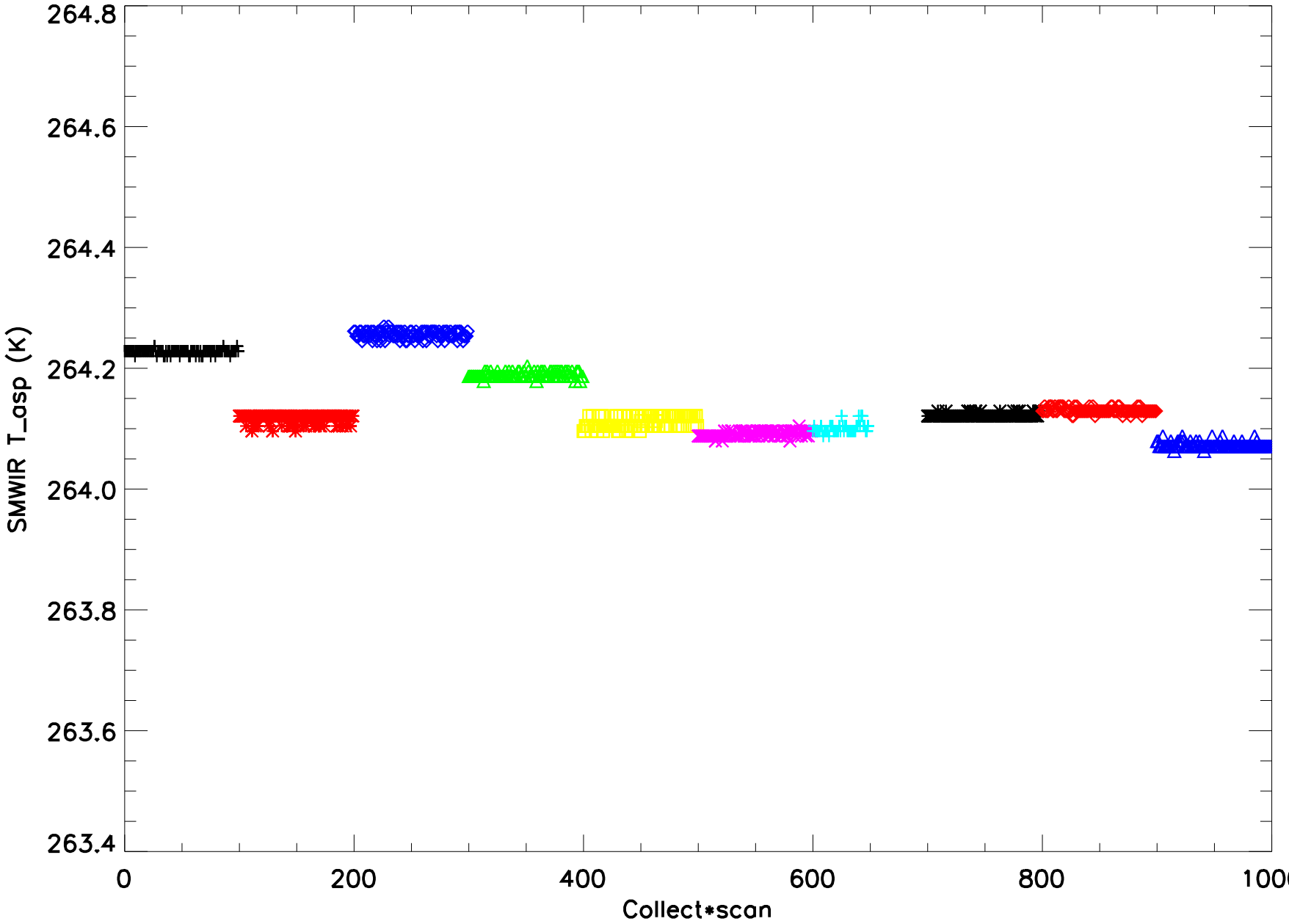

VisNIR T_asp vs Scan and Collect
VisNIR T_asp (K)
268.5
268.0
267.5
267.0
0
200
400
600
800
1000
Collect*scan

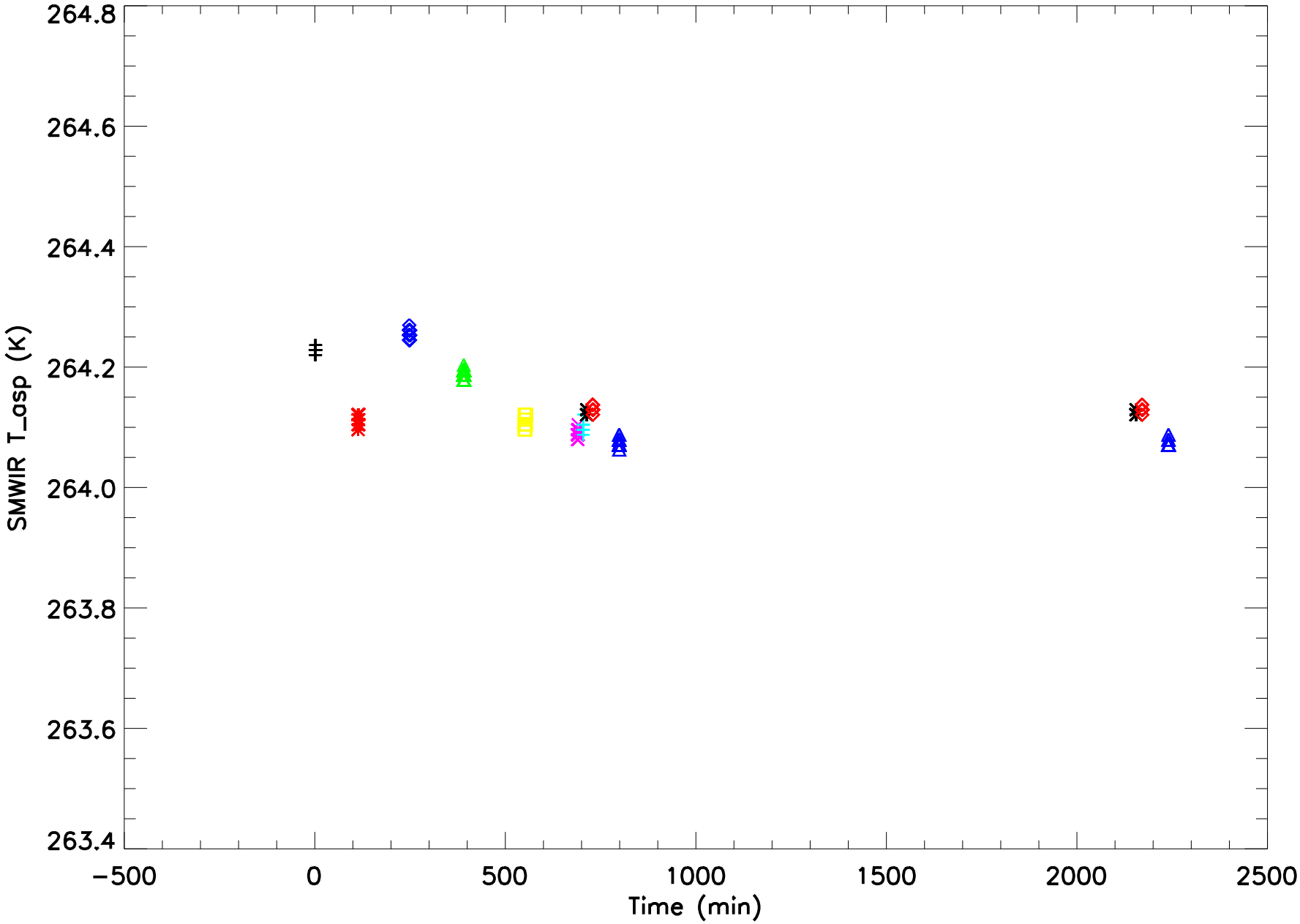

VisNIR T_asp vs Time
VisNIR T_asp (K)
268.5
268.0
267.5
267.0
−500
0
500
1000
1500
2000
2500
Time (min)

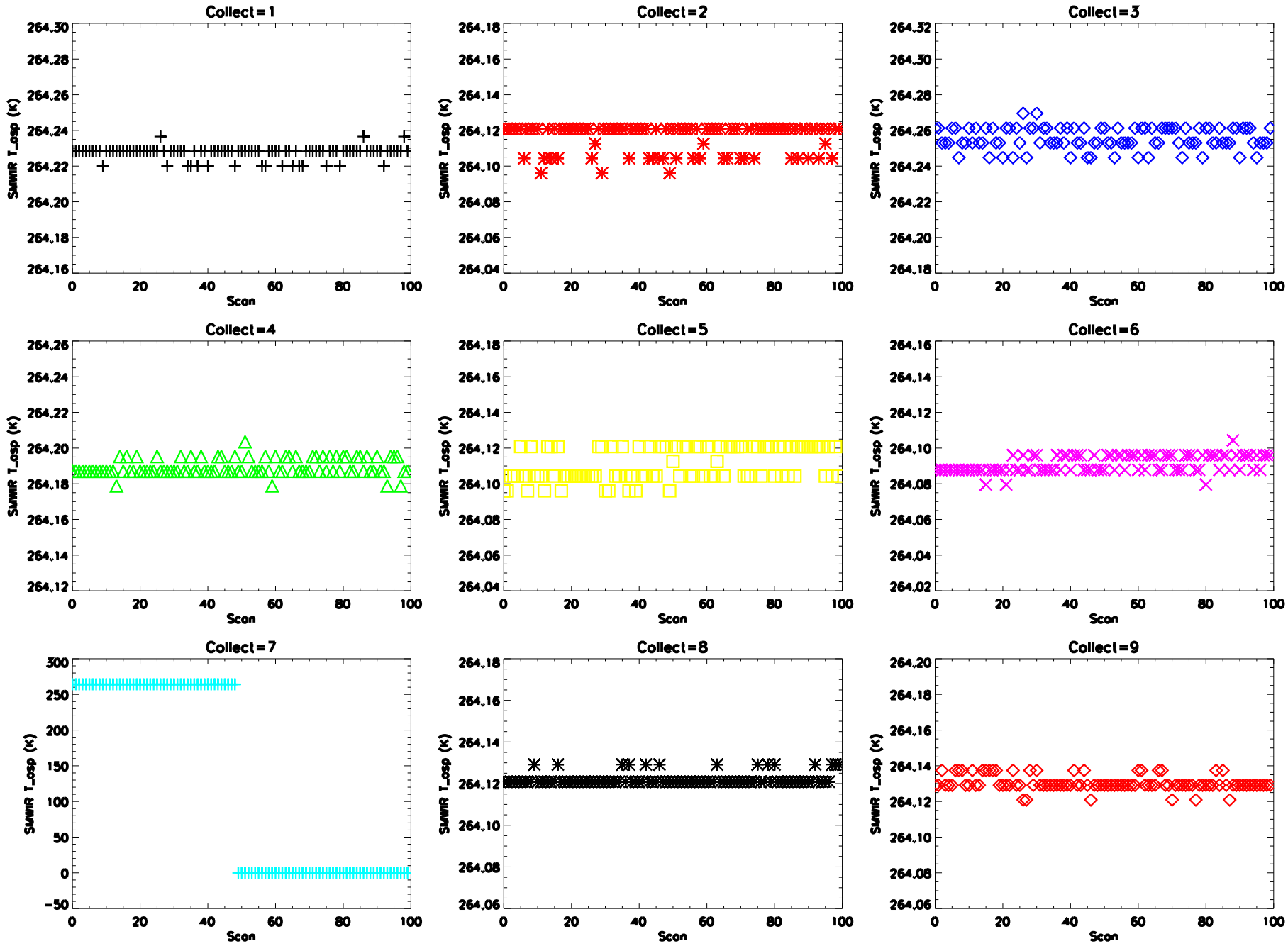

Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
VisNIR T_osp (K)
Scan

VisNIR T_asp vs Scan

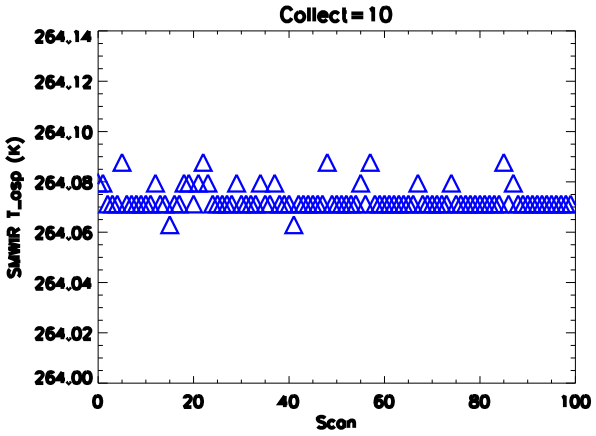


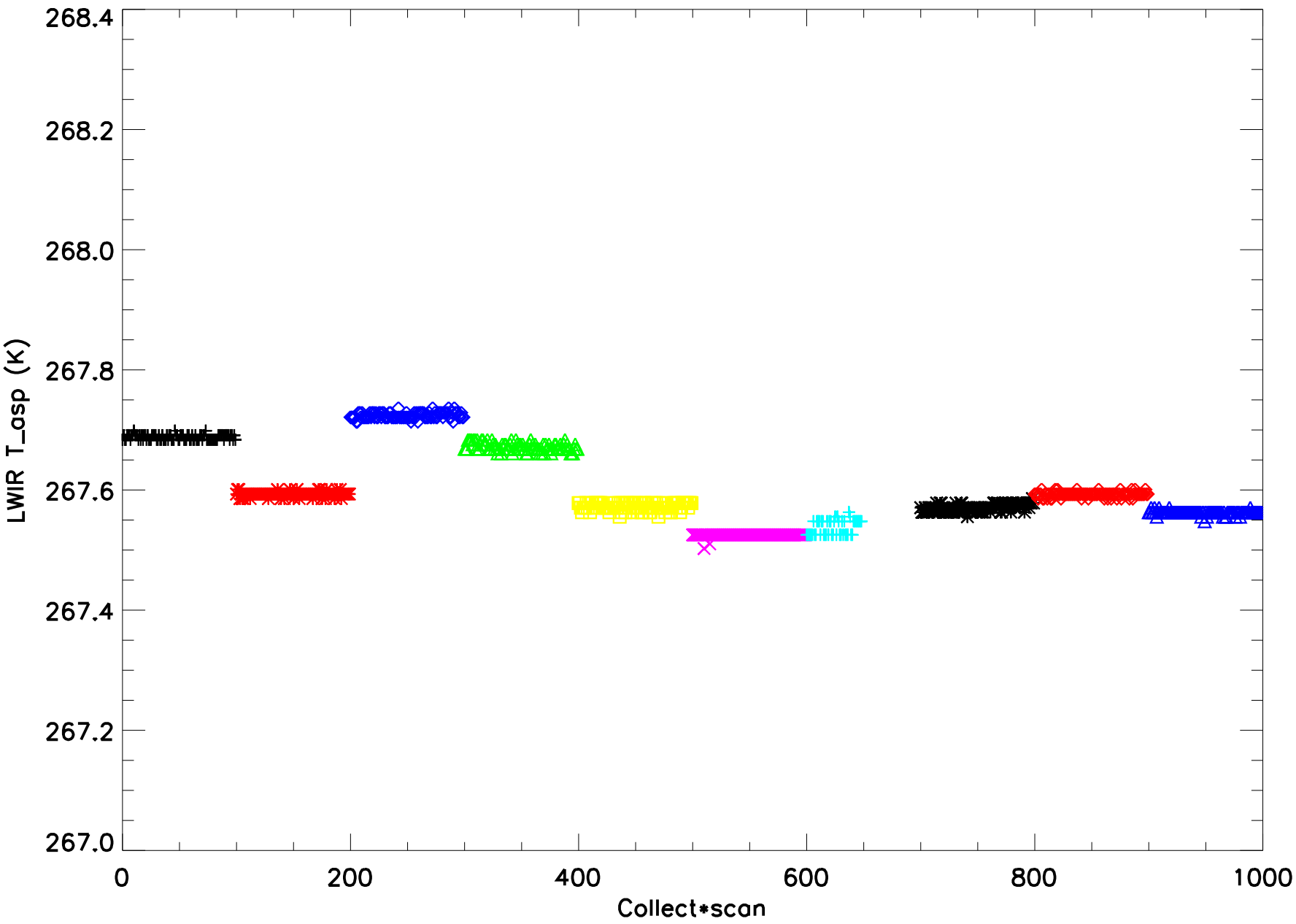

SMWIR T_asp vs Scan and Collect
SMWIR T_asp (K)
264.8
264.6
264.4
264.2
264.0
263.8
263.6
263.4
0
200
400
600
800
1000
Collect*scan

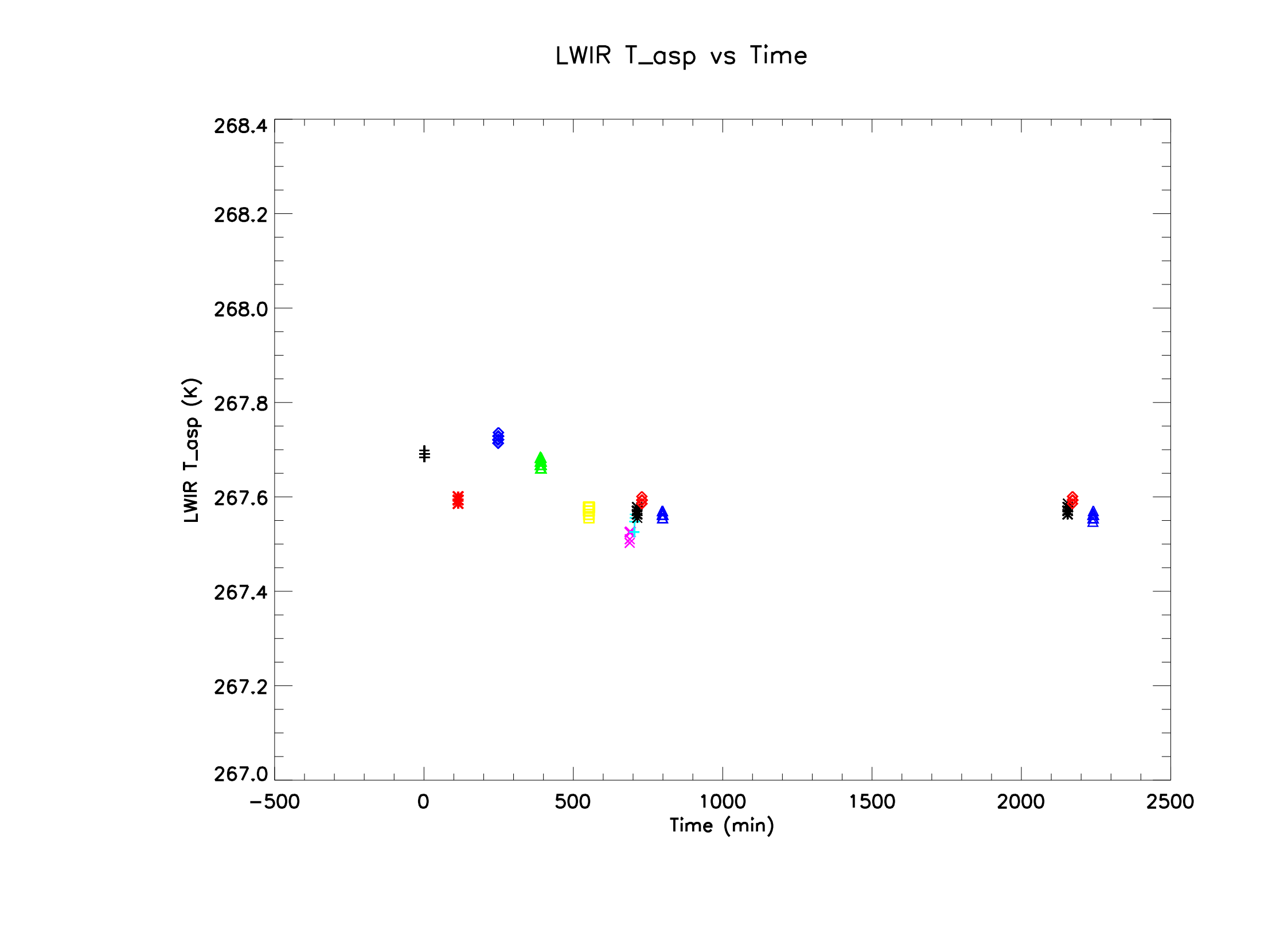

SMWIR T_asp vs Time
SMWIR T_asp (K)
264.8
264.6
264.4
264.2
264.0
263.8
263.6
263.4
−500
0
500
1000
1500
2000
2500
Time (min)

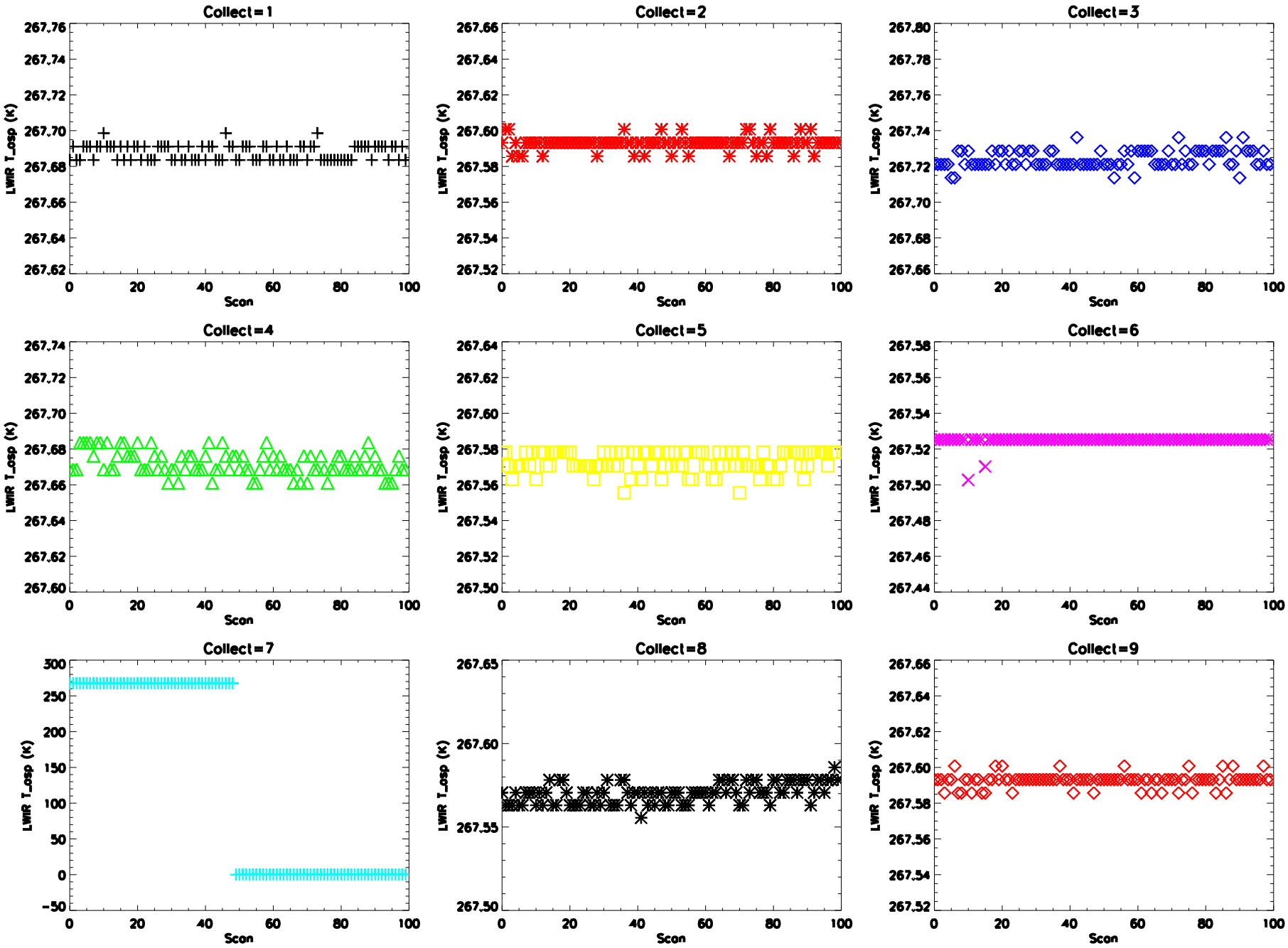

Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
SMMR T_osp (K)
Scan

SMWIR T_asp vs Scan

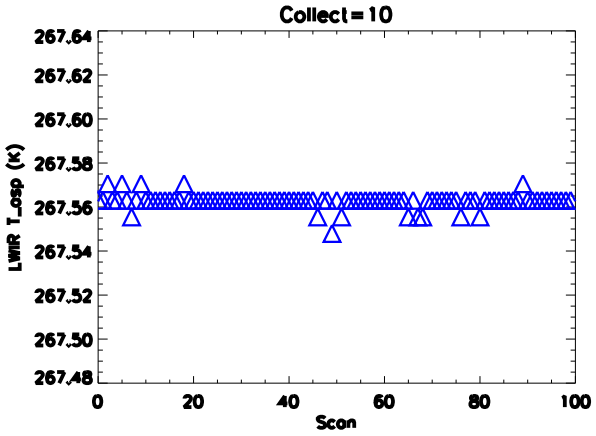


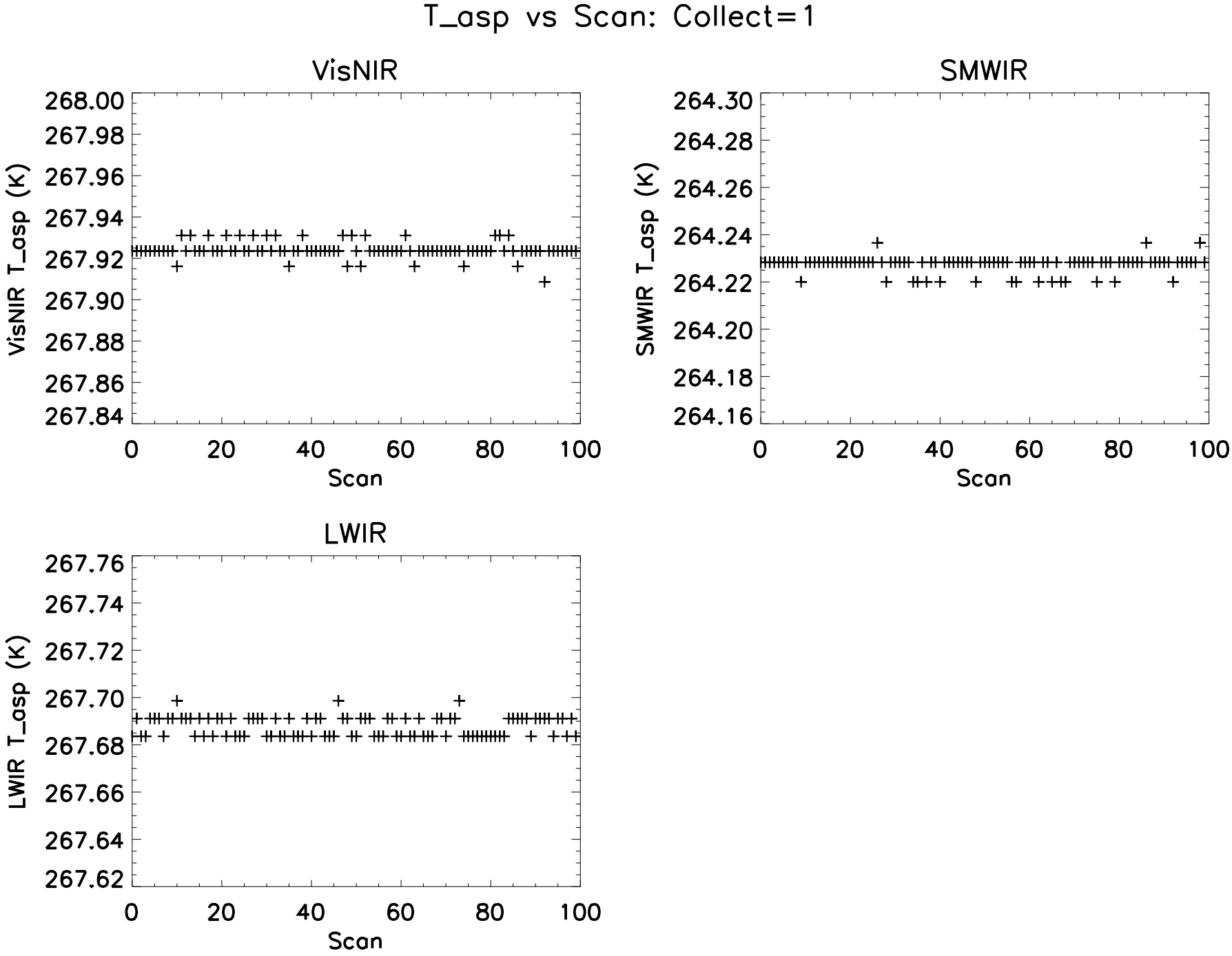

LWIR T_asp vs Scan and Collect
LWIR T_asp (K)
268.4
268.2
268.0
267.8
267.6
267.4
267.2
267.0
0
200
400
600
800
1000
Collect*scan

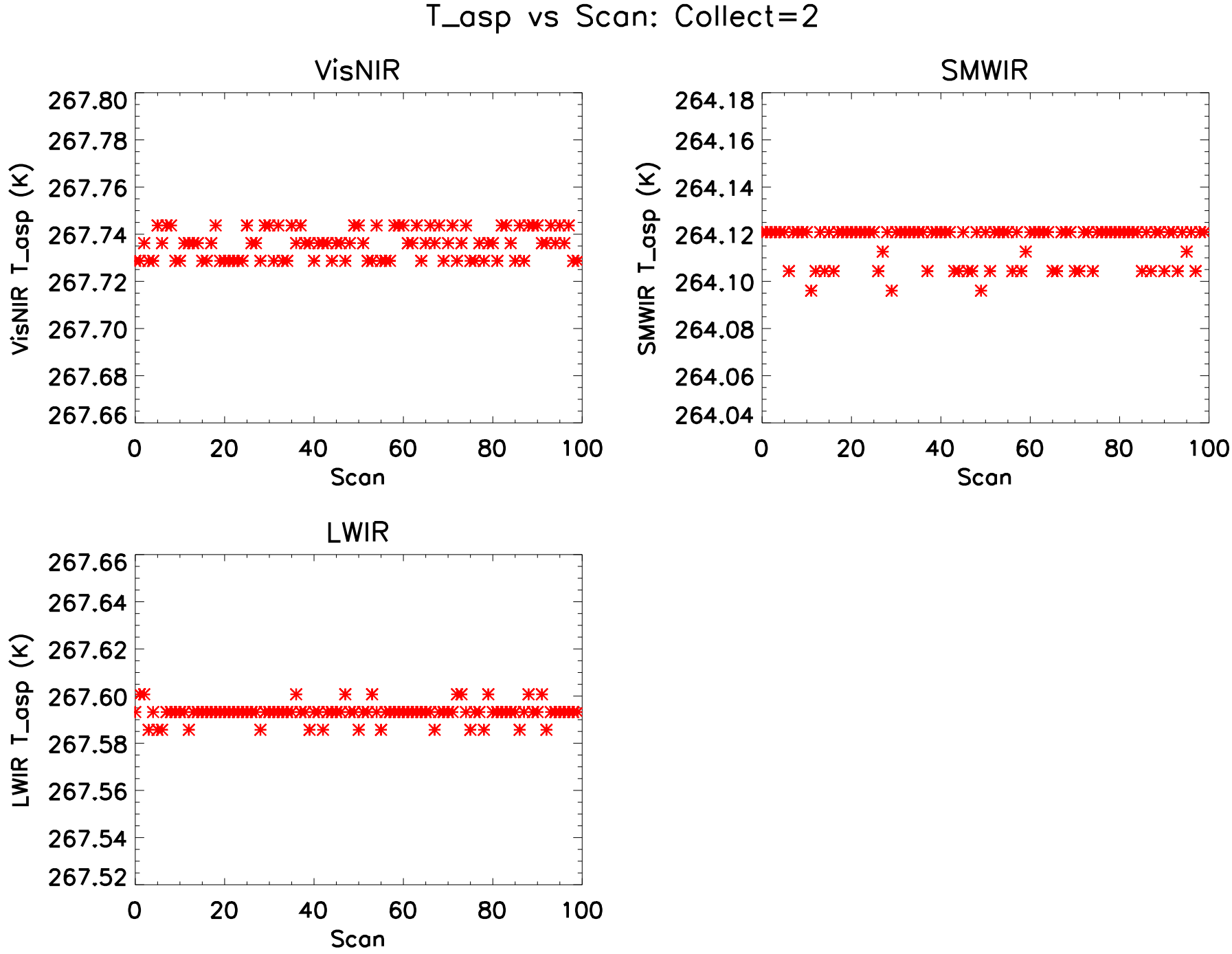

LWIR T_asp vs Time
LWIR T_asp (K)
268.4
268.2
268.0
267.8
267.6
267.4
267.2
267.0
−500
0
500
1000
1500
2000
2500
Time (min)

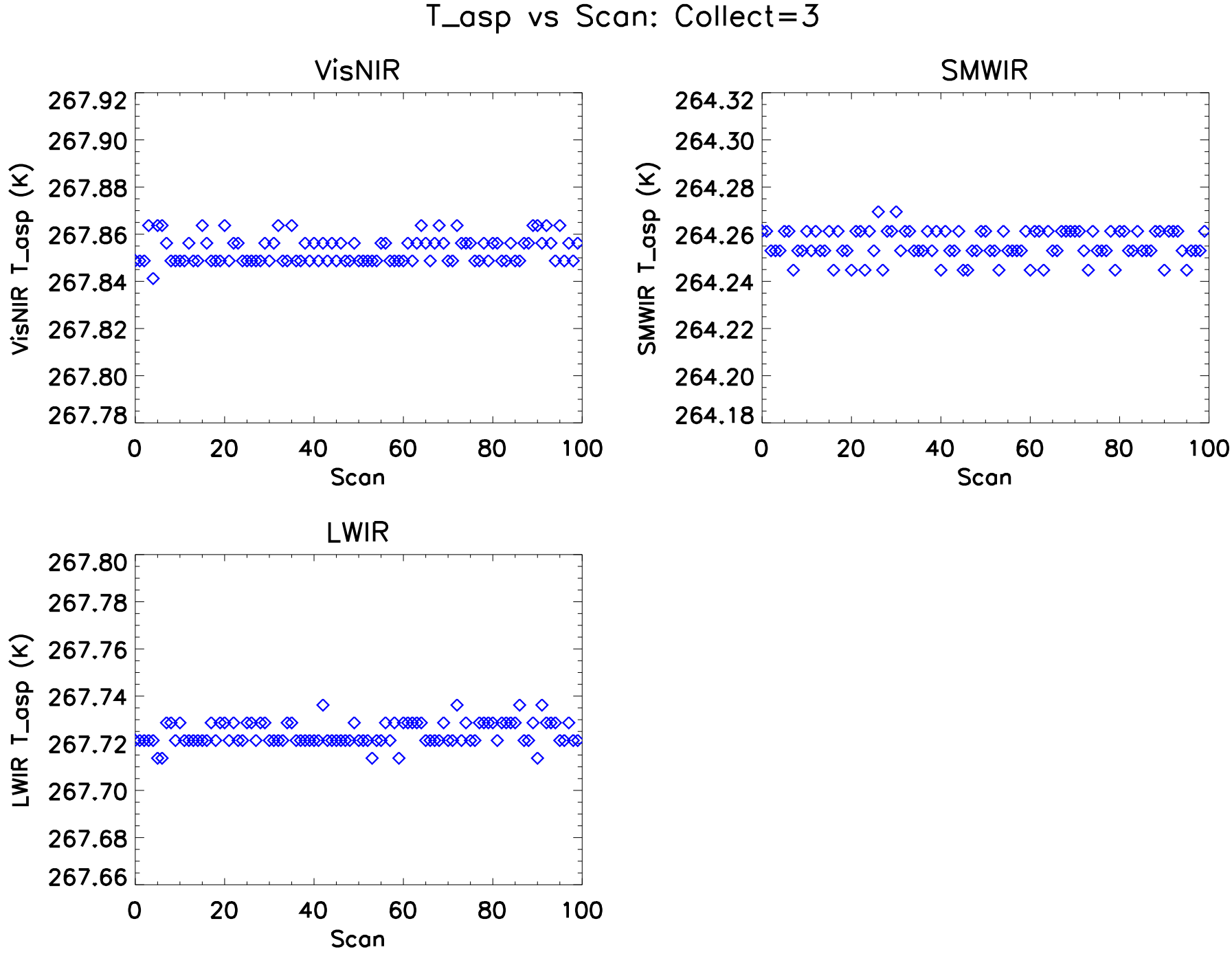

Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
LWIR T_osp (K)
Scan

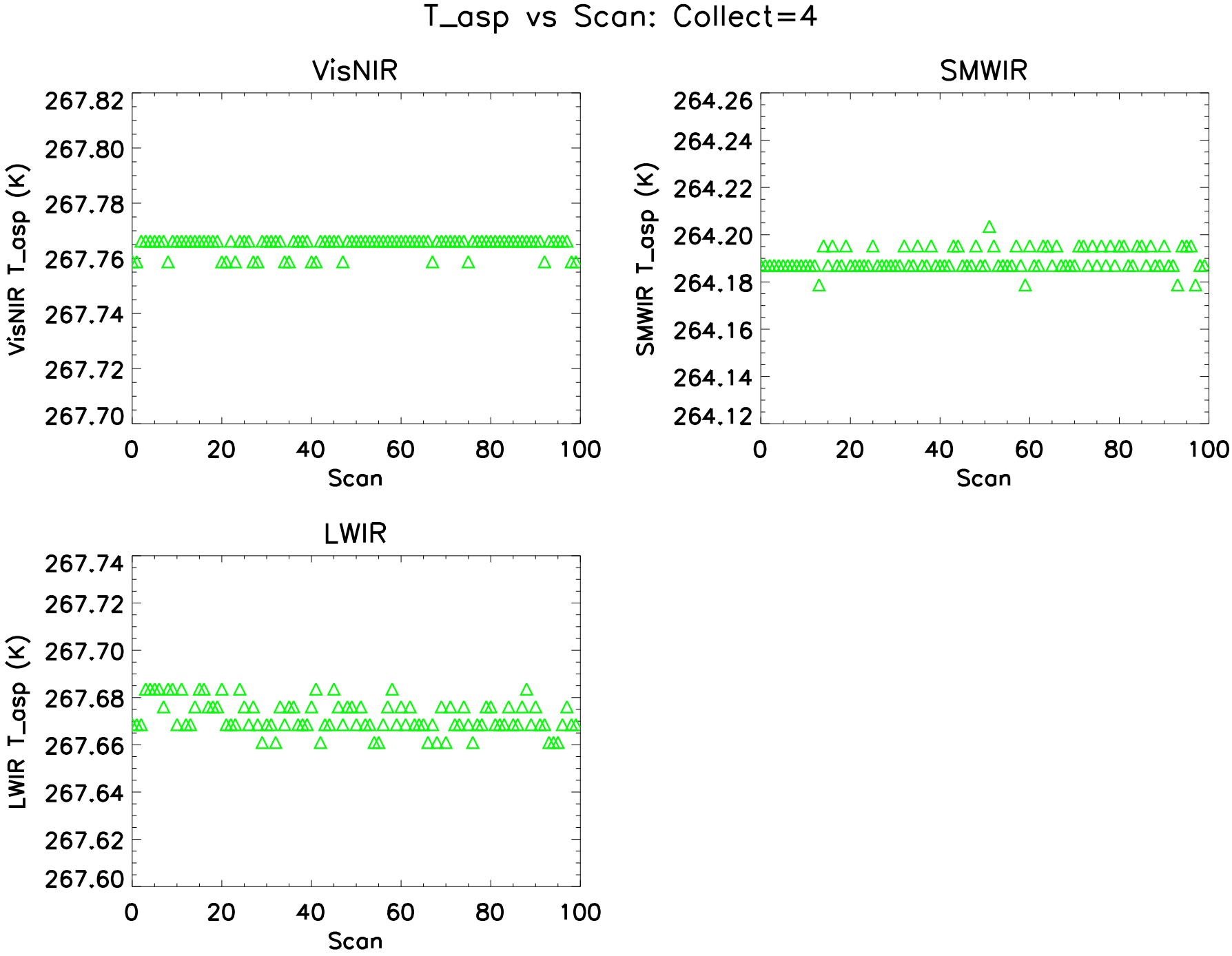
LWIR T_asp vs Scan

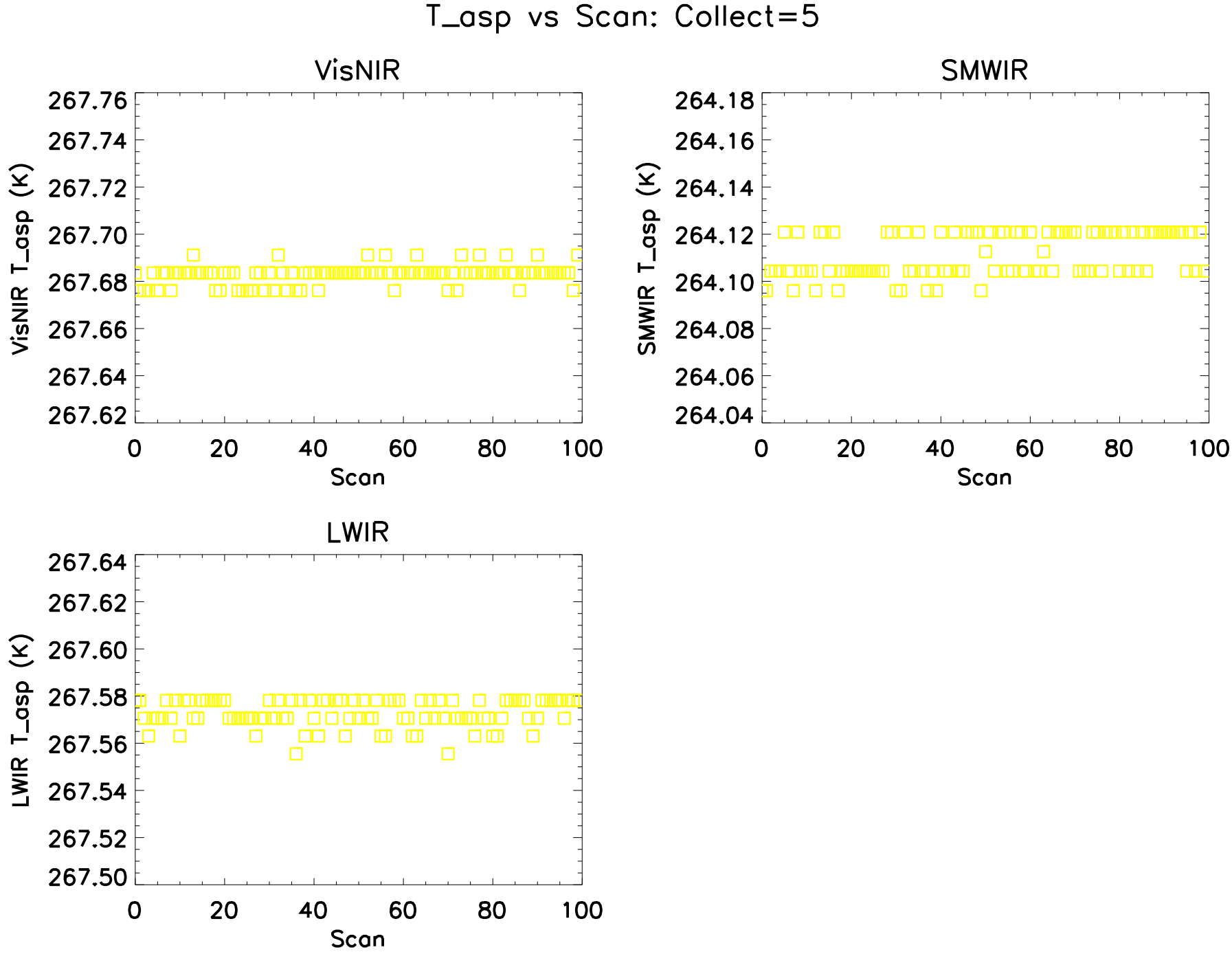


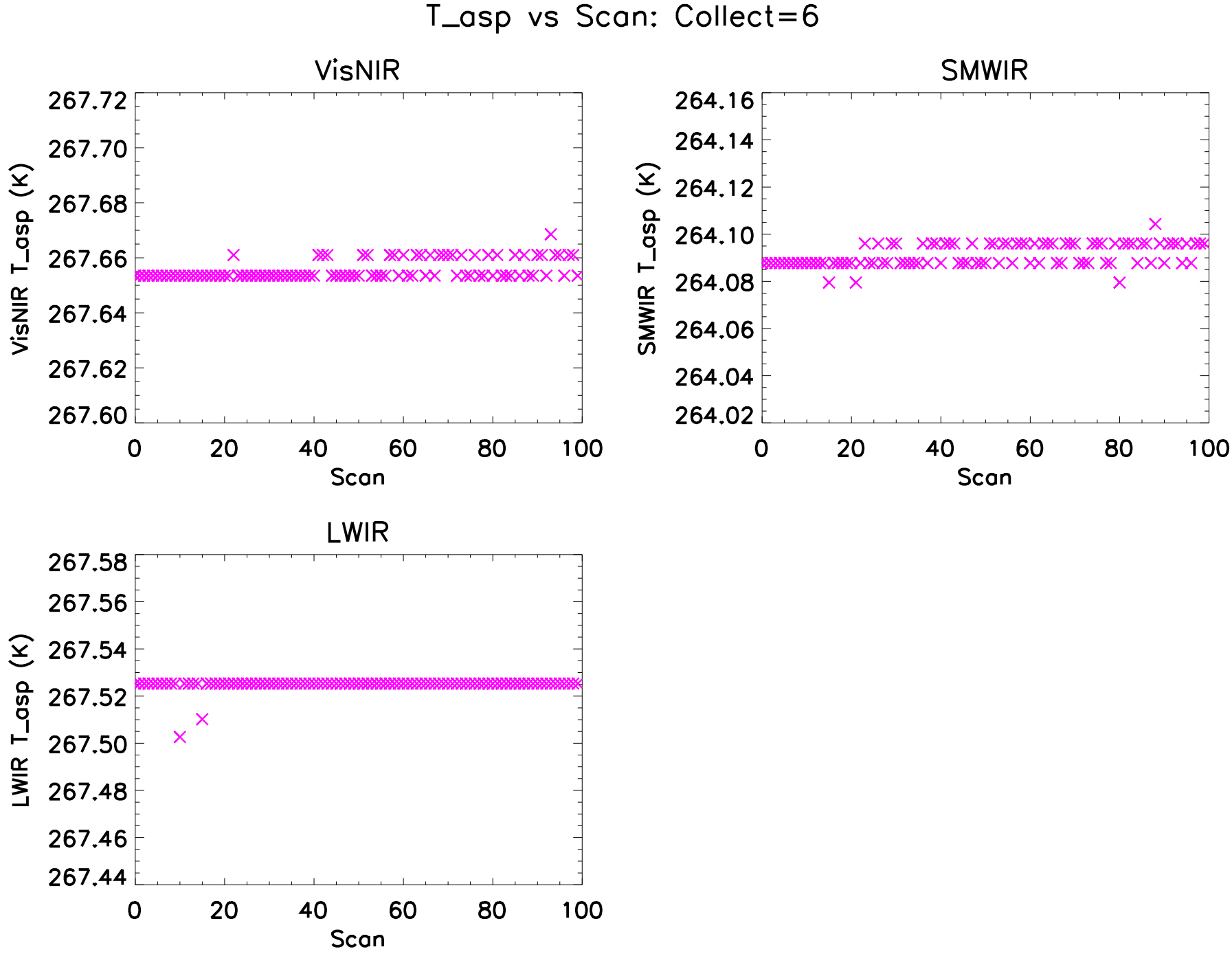

T_asp vs Scan: Collect=1
VisNIR
VisNIR T_asp (K)
268.00
267.98
267.96
267.94
267.92
267.90
267.88
267.86
267.84
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
264.30
264.28
264.26
264.24
264.22
264.20
264.18
264.16
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
267.76
267.74
267.72
267.70
267.68
267.66
267.64
267.62
0
20
40
60
80
100
Scan

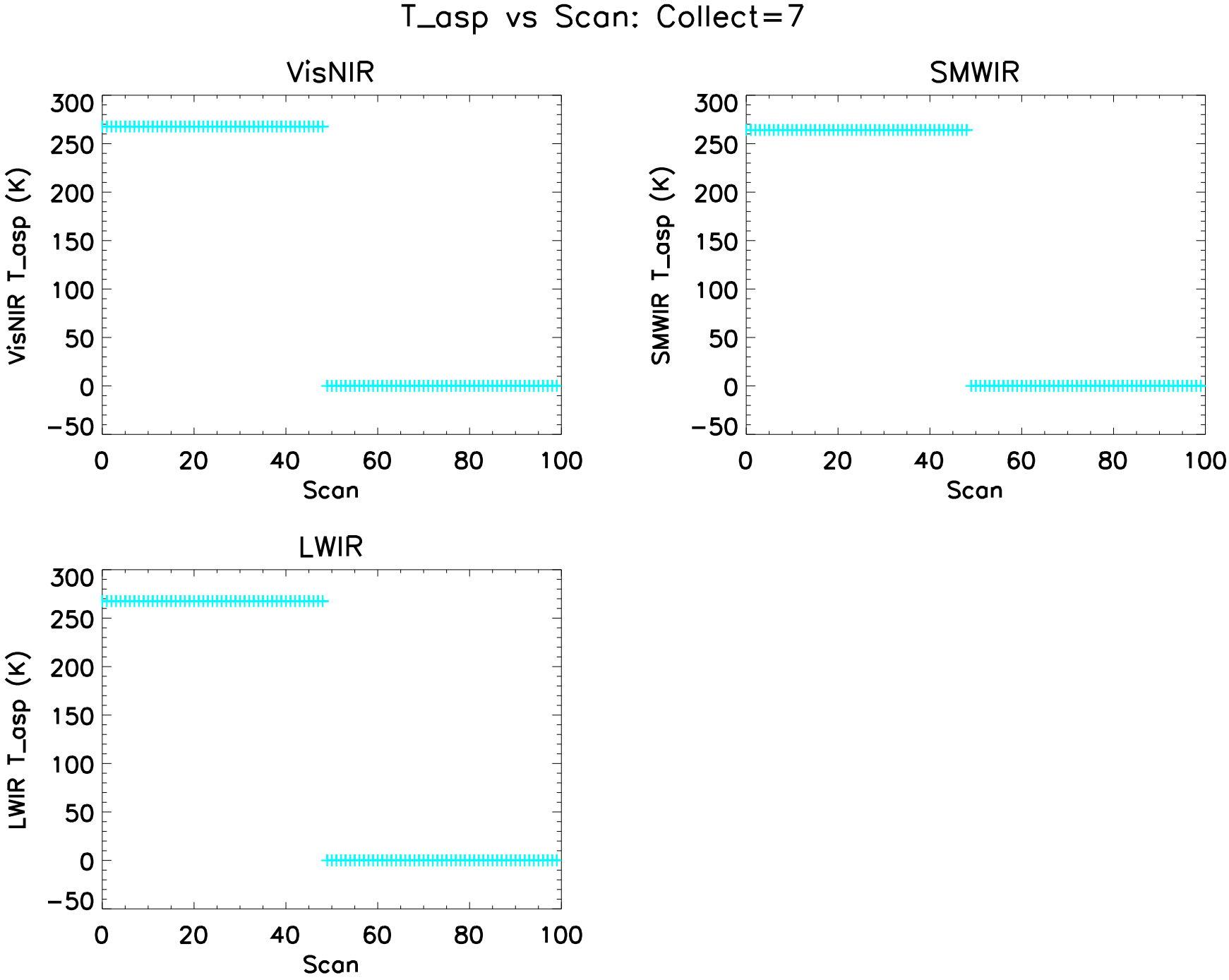

T_asp vs Scan: Collect=2
VisNIR
VisNIR T_asp (K)
267.80
267.78
267.76
267.74
267.72
267.70
267.68
267.66
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
264.18
264.16
264.14
264.12
264.10
264.08
264.06
264.04
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
267.66
267.64
267.62
267.60
267.58
267.56
267.54
267.52
0
20
40
60
80
100
Scan

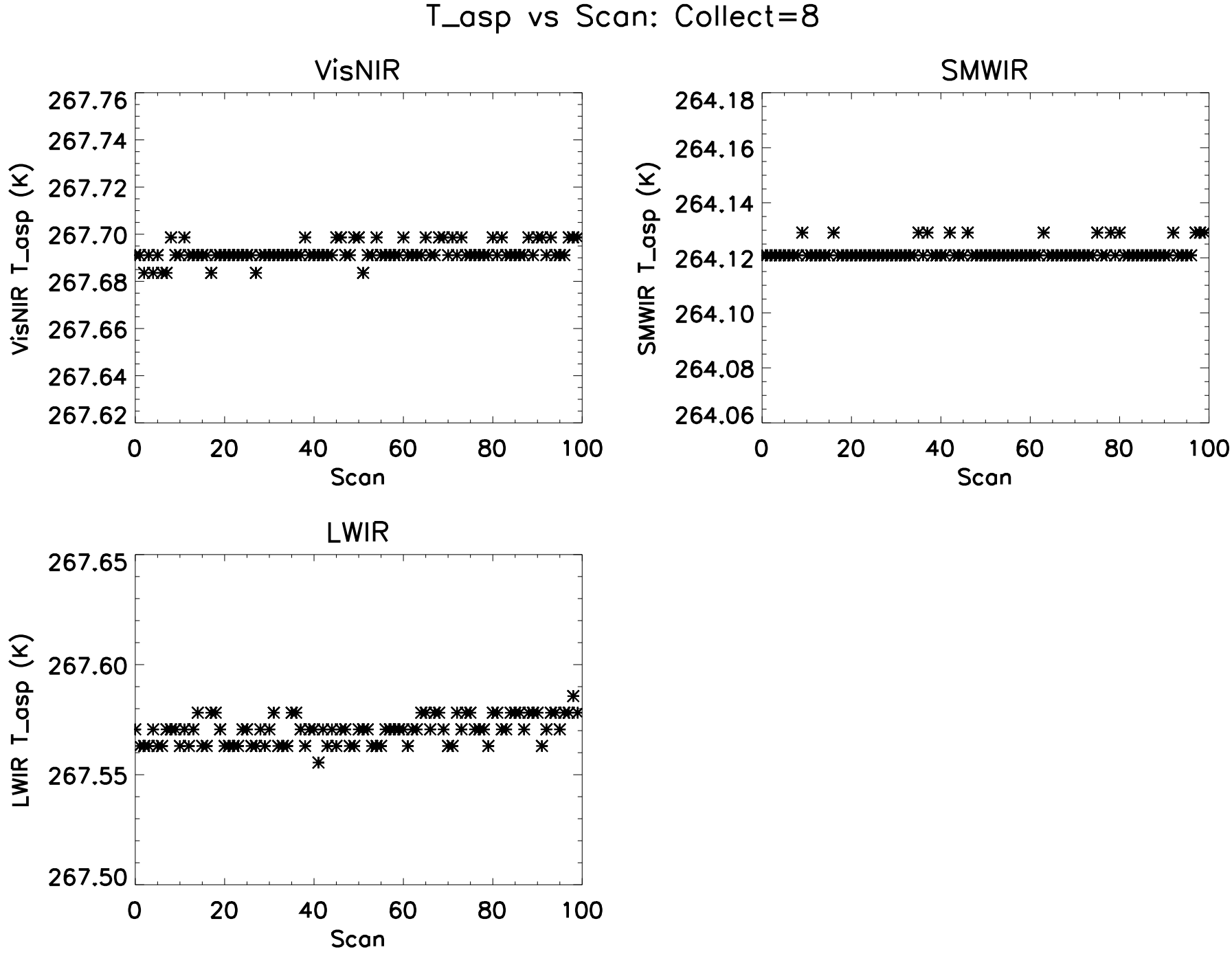

T_asp vs Scan: Collect=3
VisNIR
VisNIR T_asp (K)
267.92
267.90
267.88
267.86
267.84
267.82
267.80
267.78
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
264.32
264.30
264.28
264.26
264.24
264.22
264.20
264.18
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
267.80
267.78
267.76
267.74
267.72
267.70
267.68
267.66
0
20
40
60
80
100
Scan

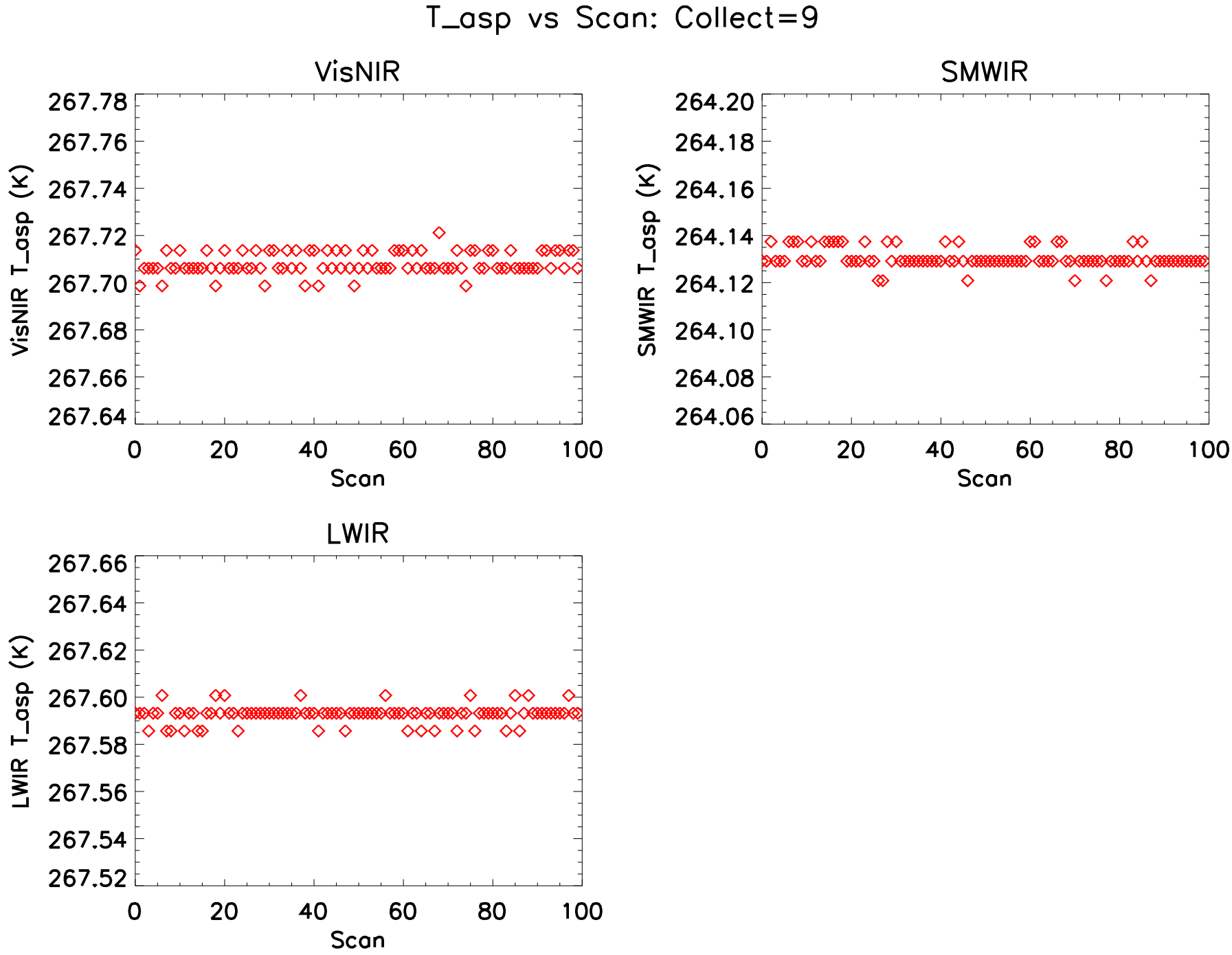

T_asp vs Scan: Collect=4
VisNIR
VisNIR T_asp (K)
267.82
267.80
267.78
267.76
267.74
267.72
267.70
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
264.26
264.24
264.22
264.20
264.18
264.16
264.14
264.12
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
267.74
267.72
267.70
267.68
267.66
267.64
267.62
267.60
0
20
40
60
80
100
Scan

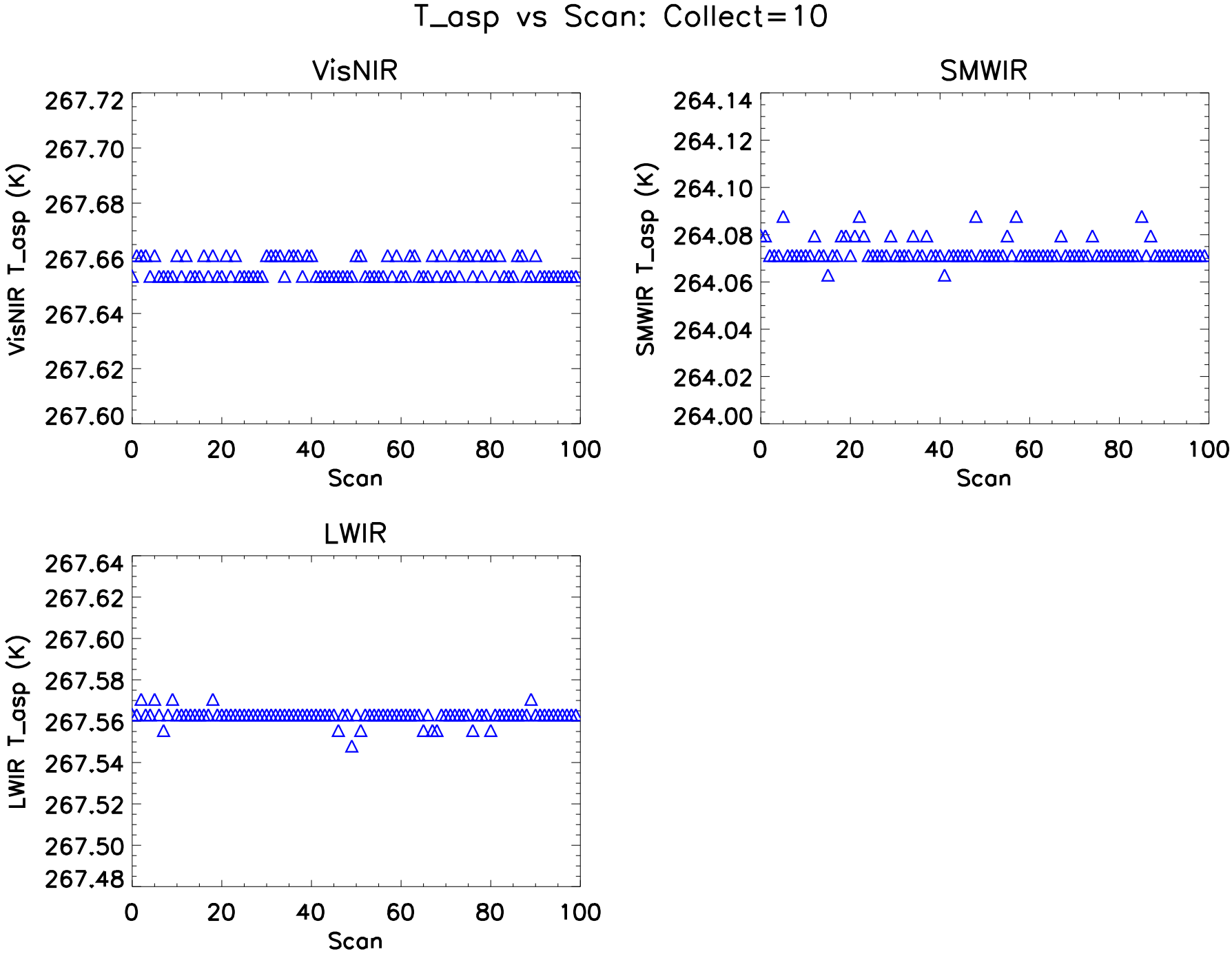

T_asp vs Scan: Collect=5
VisNIR
VisNIR T_asp (K)
267.76
267.74
267.72
267.70
267.68
267.66
267.64
267.62
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
264.18
264.16
264.14
264.12
264.10
264.08
264.06
264.04
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
267.64
267.62
267.60
267.58
267.56
267.54
267.52
267.50
0
20
40
60
80
100
Scan

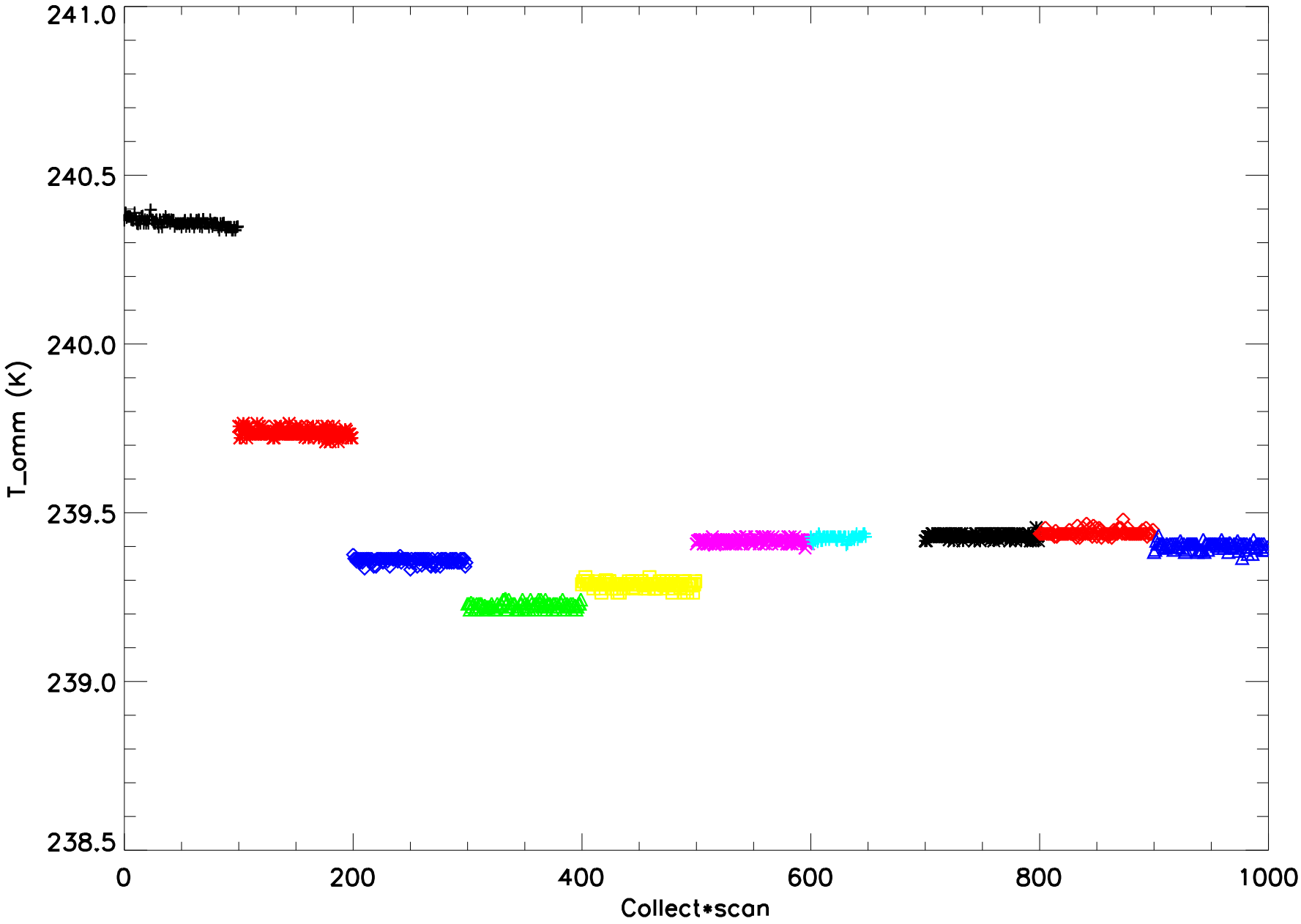

T_asp vs Scan: Collect=6
VisNIR
VisNIR T_asp (K)
267.72
267.70
267.68
267.66
267.64
267.62
267.60
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
264.16
264.14
264.12
264.10
264.08
264.06
264.04
264.02
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
267.58
267.56
267.54
267.52
267.50
267.48
267.46
267.44
0
20
40
60
80
100
Scan

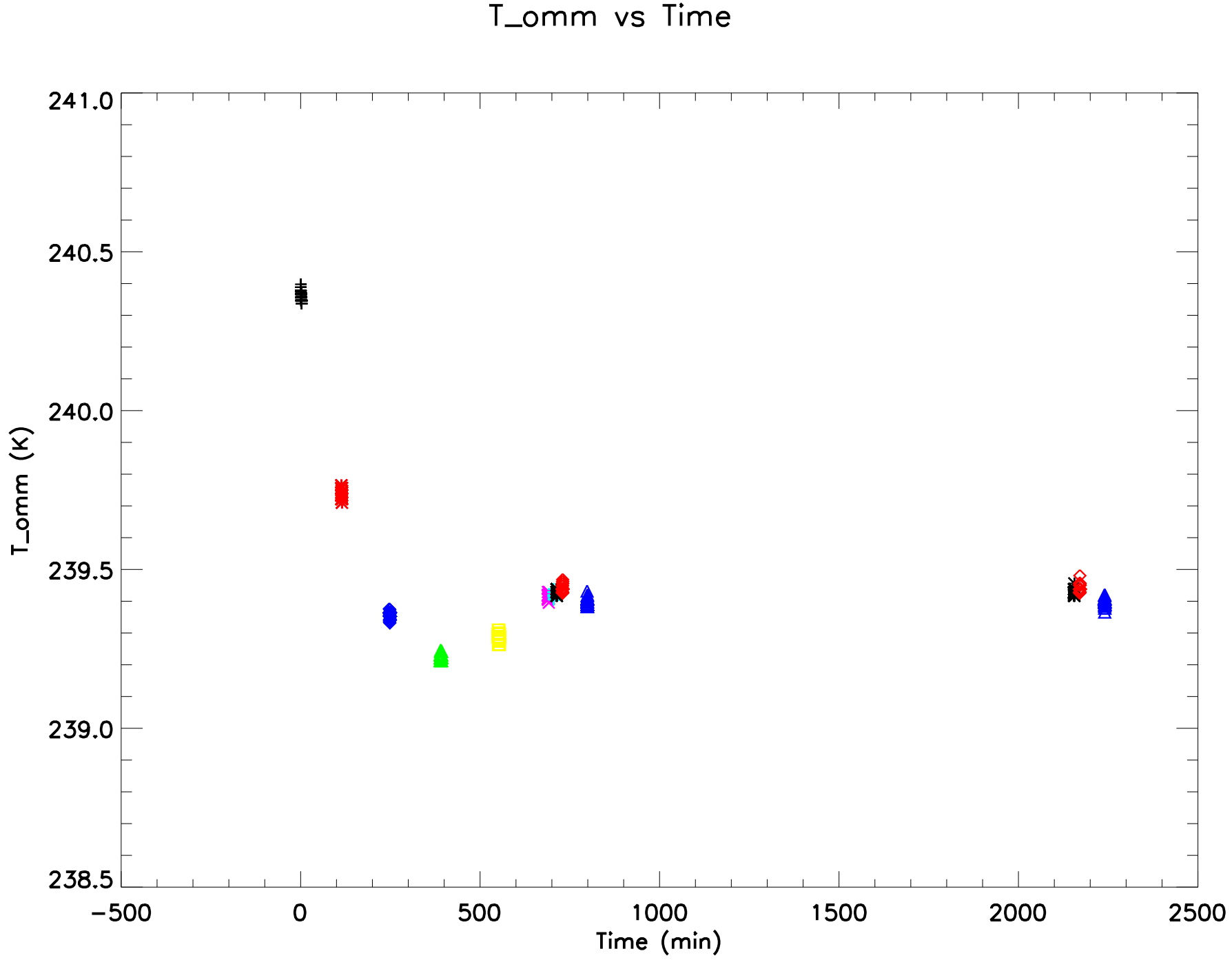

T_asp vs Scan: Collect=7
VisNIR
VisNIR T_asp (K)
SMWIR
SMWIR T_asp (K)
LWIR
LWIR T_asp (K)
Scan
300
250
200
150
100
50
0
−50
0
20
40
60
80
100


T_asp vs Scan: Collect=8
VisNIR
VisNIR T_asp (K)
267.76
267.74
267.72
267.70
267.68
267.66
267.64
267.62
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
264.18
264.16
264.14
264.12
264.10
264.08
264.06
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
267.65
267.60
267.55
267.50
0
20
40
60
80
100
Scan

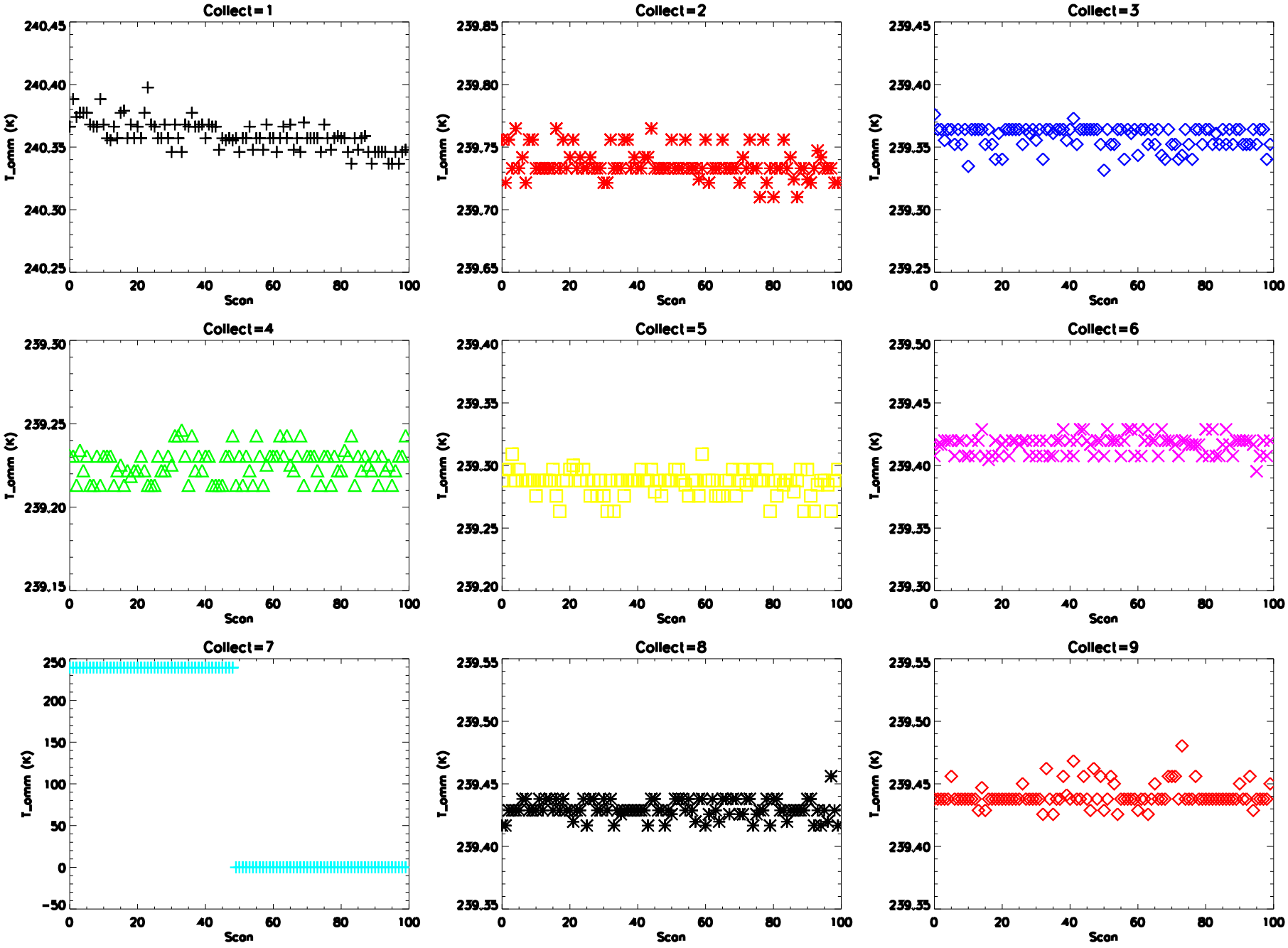

T_asp vs Scan: Collect=9
VisNIR
VisNIR T_asp (K)
267.78
267.76
267.74
267.72
267.70
267.68
267.66
267.64
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
264.20
264.18
264.16
264.14
264.12
264.10
264.08
264.06
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
267.66
267.64
267.62
267.60
267.58
267.56
267.54
267.52
0
20
40
60
80
100
Scan


T_asp vs Scan: Collect=10
VisNIR
VisNIR T_asp (K)
267.72
267.70
267.68
267.66
267.64
267.62
267.60
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
264.14
264.12
264.10
264.08
264.06
264.04
264.02
264.00
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
267.64
267.62
267.60
267.58
267.56
267.54
267.52
267.50
267.48
0
20
40
60
80
100
Scan

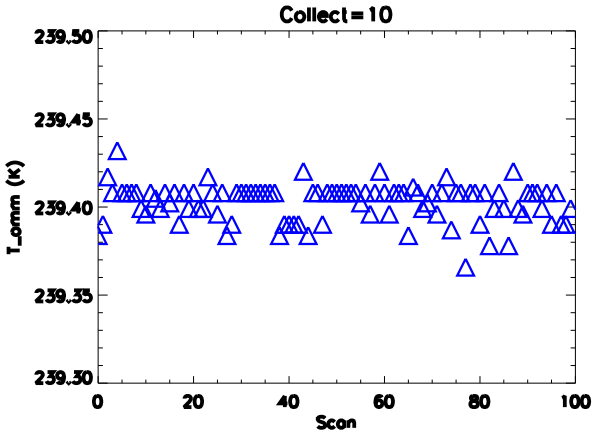

T_omm vs Scan and Collect
241.0
240.5
240.0
239.5
239.0
238.5
T_omm (K)
0
200
400
600
800
1000
Collect*scan


T_omm vs Time
241.0
240.5
240.0
239.5
239.0
238.5
T_omm (K)
−500
0
500
1000
1500
2000
2500
Time (min)

T_omm vs Scan


Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
T_omm (K)
Scan

T_omm vs Scan


Collect = 10
239.50
239.45
239.40
239.35
239.30
T_omm (K)
0
20
40
60
80
100
Scan