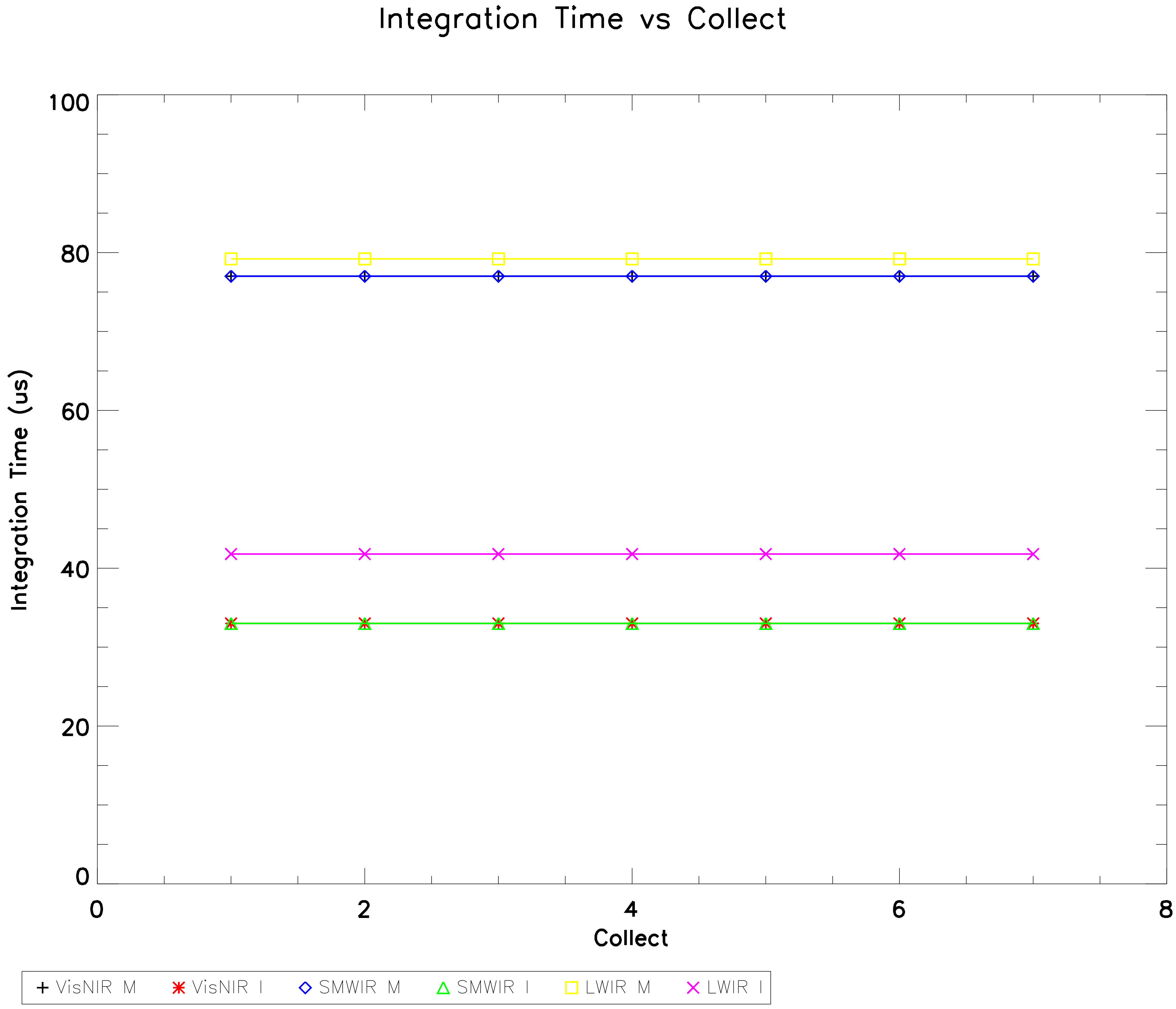
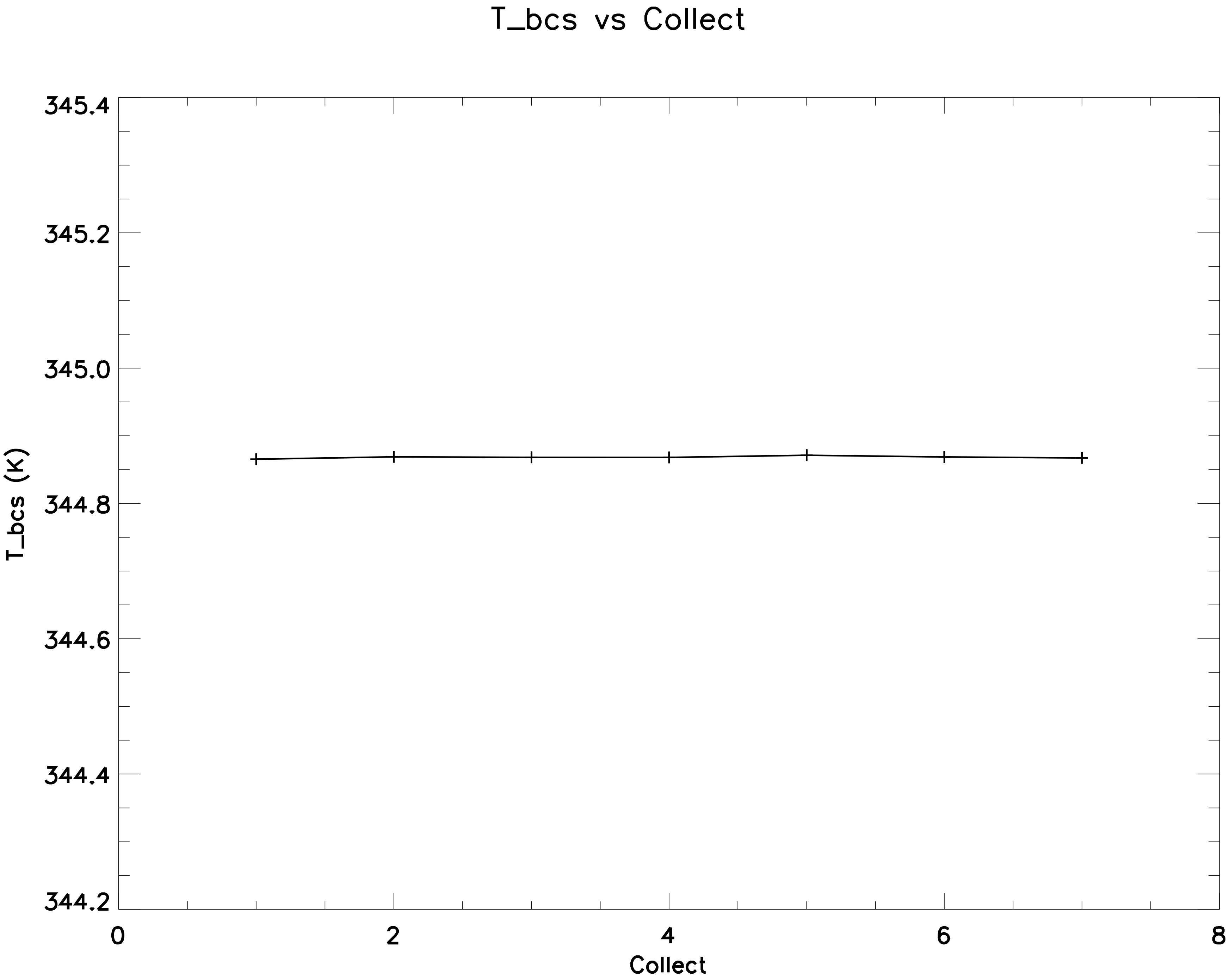
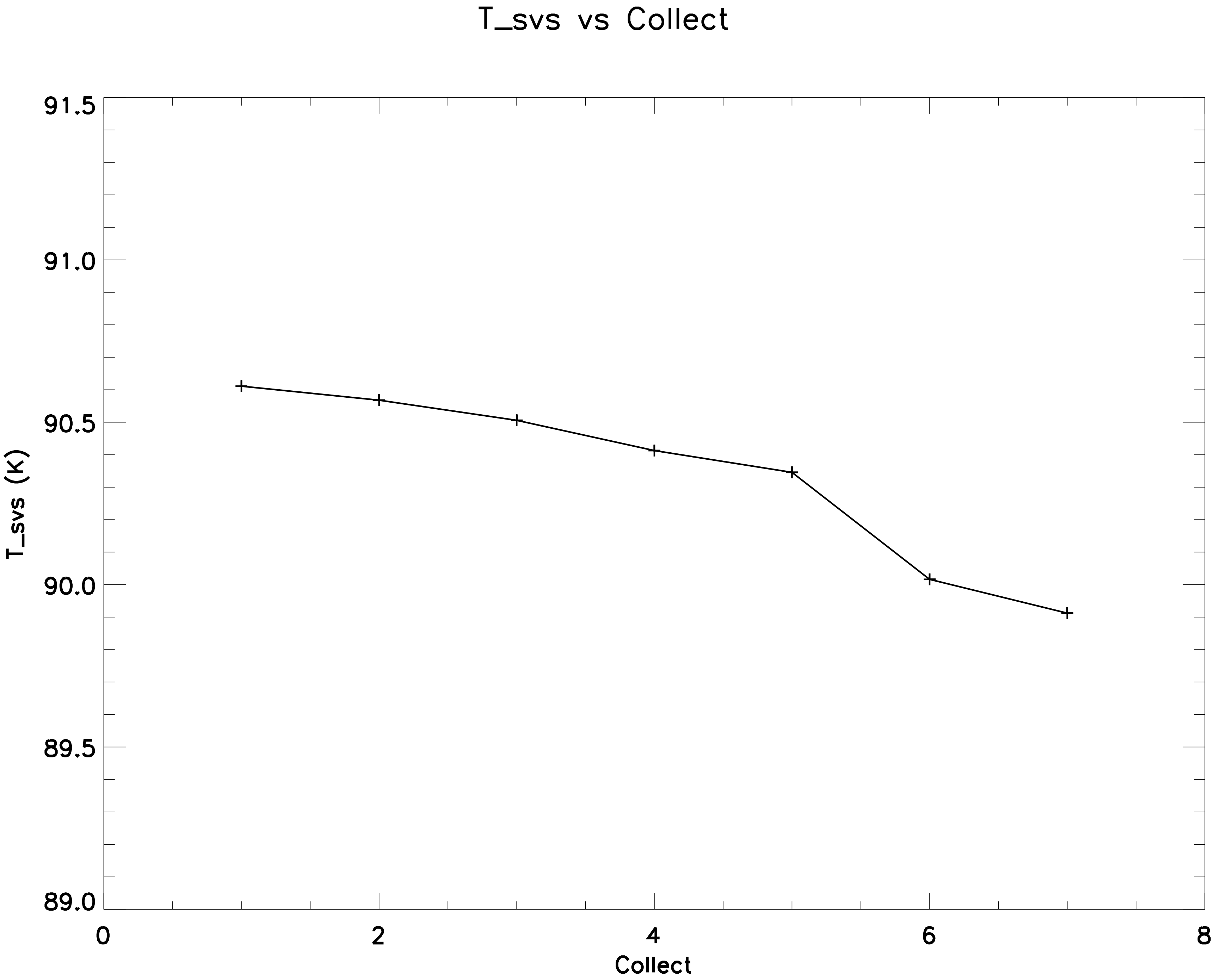
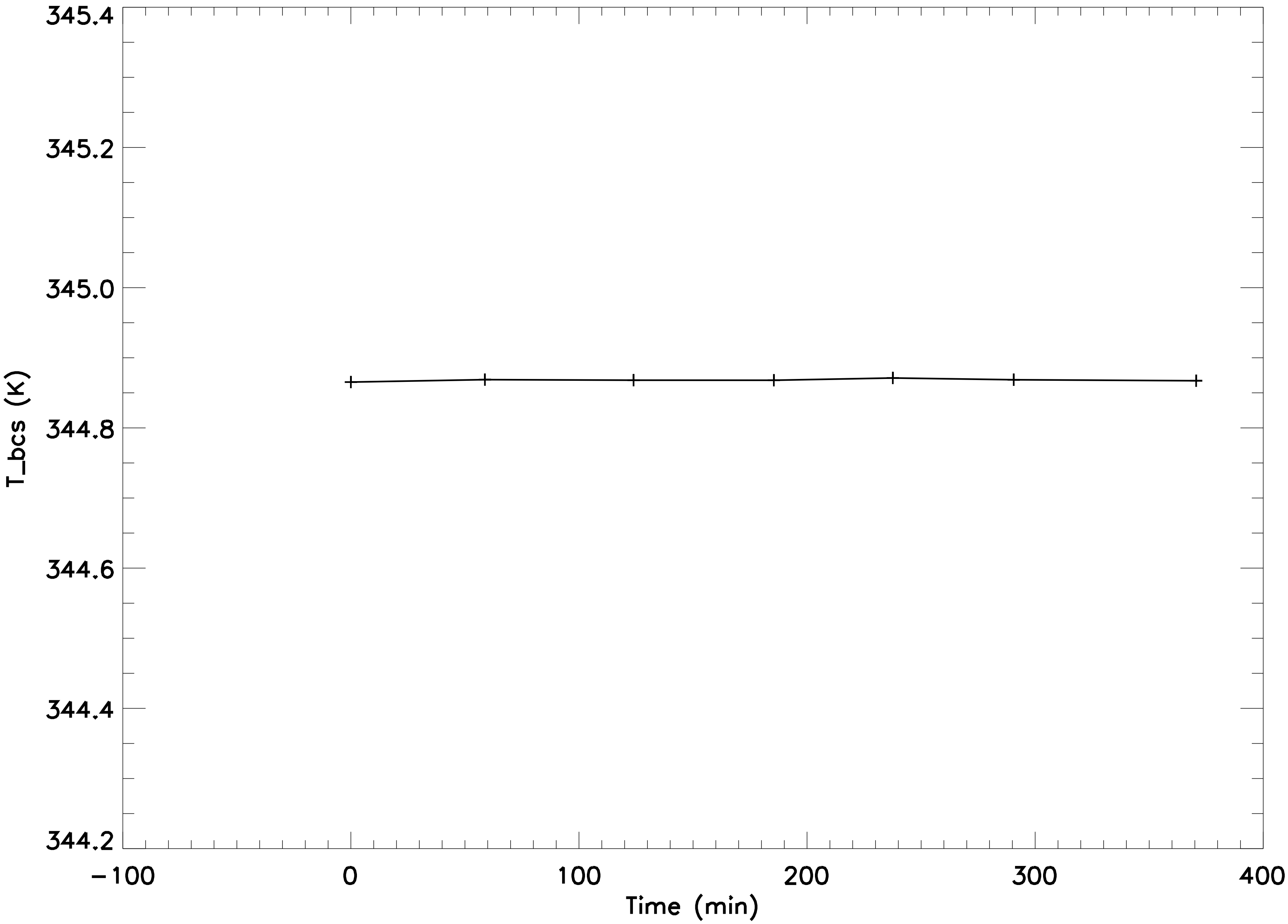
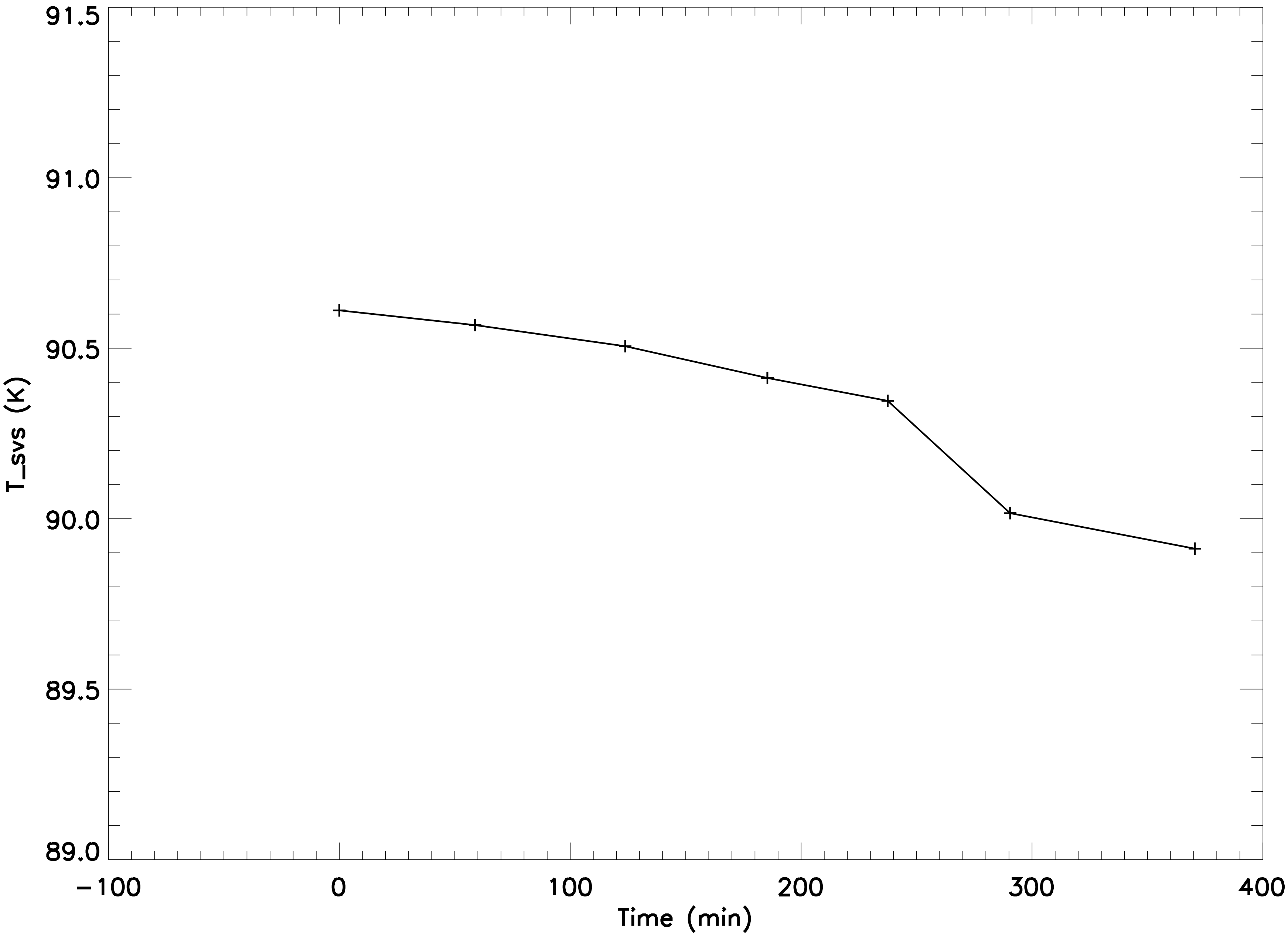

Integration Time vs Collect
Integration Time (us)
100
80
60
40
20
0
0
2
4
6
8
Collect
+ VisNIR M
✳ VisNIR I
◇ SMWIR M
△ SMWIR I
□ LWIR M
× LWIR I


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

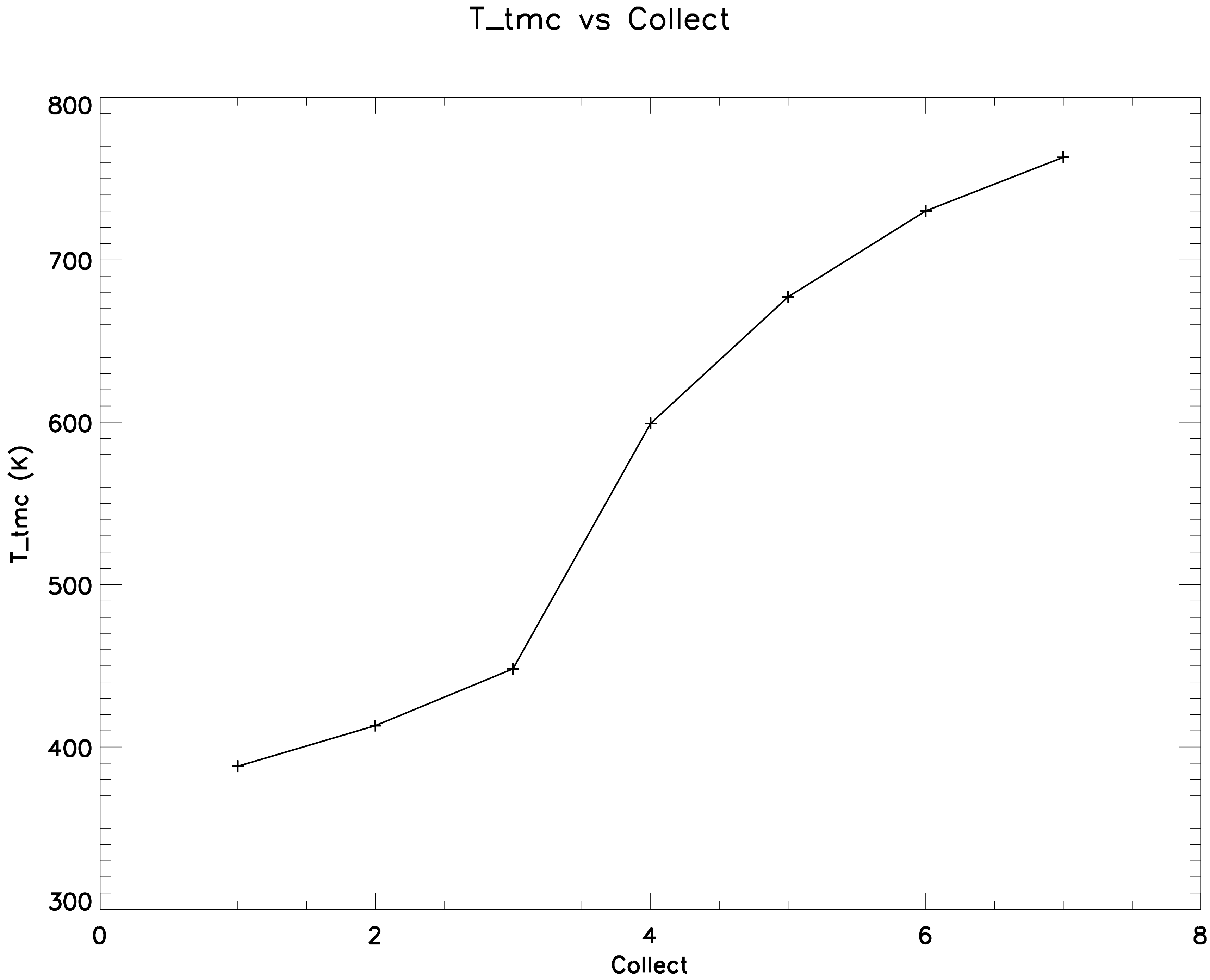

T_svs vs Collect
T_svs (K)
91.5
91.0
90.5
90.0
89.5
89.0
0
2
4
6
8
Collect

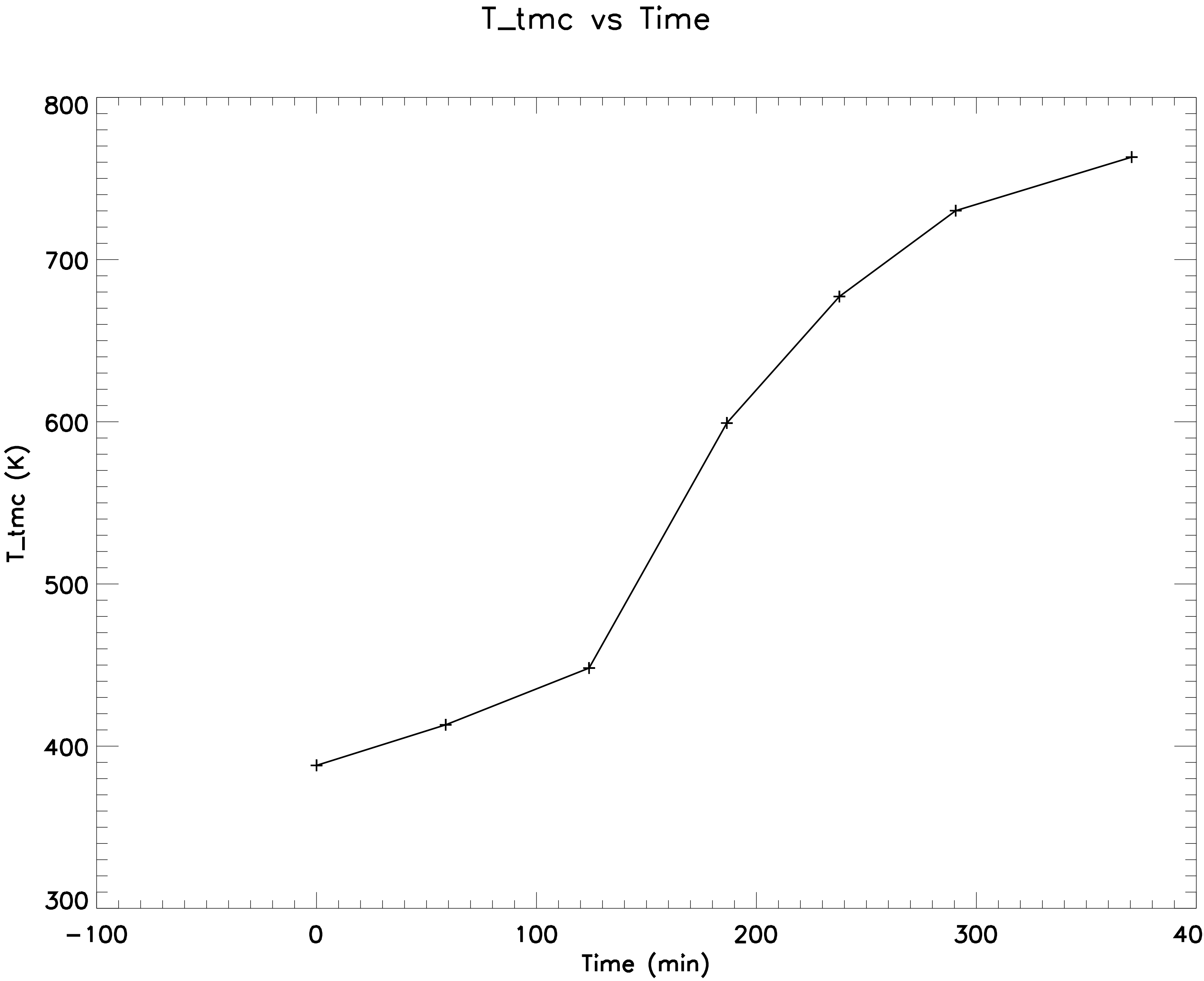

T_bcs vs Time

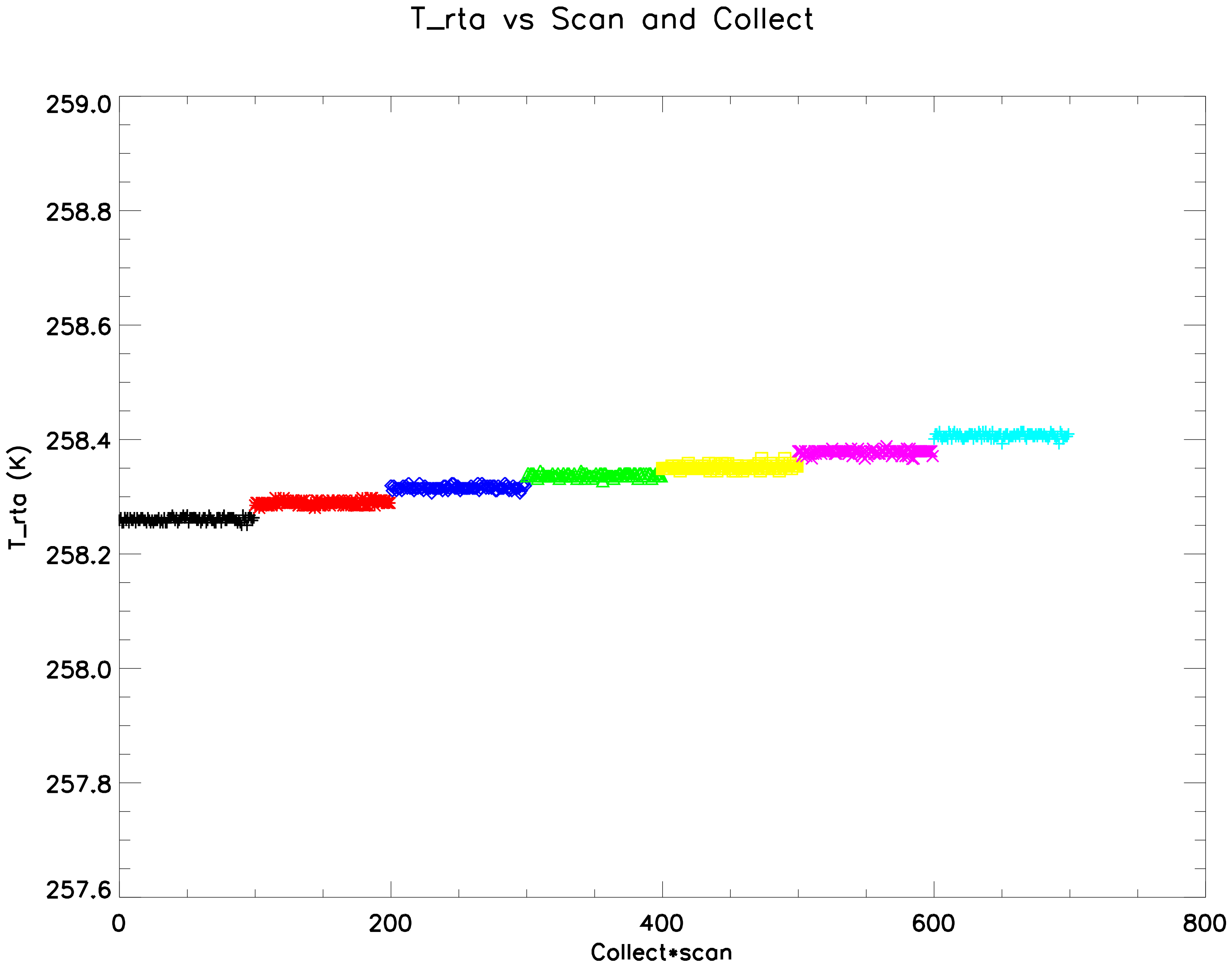
T_bcs (K)
345.4
345.2
345.0
344.8
344.6
344.4
344.2
−100
0
100
200
300
400
Time (min)

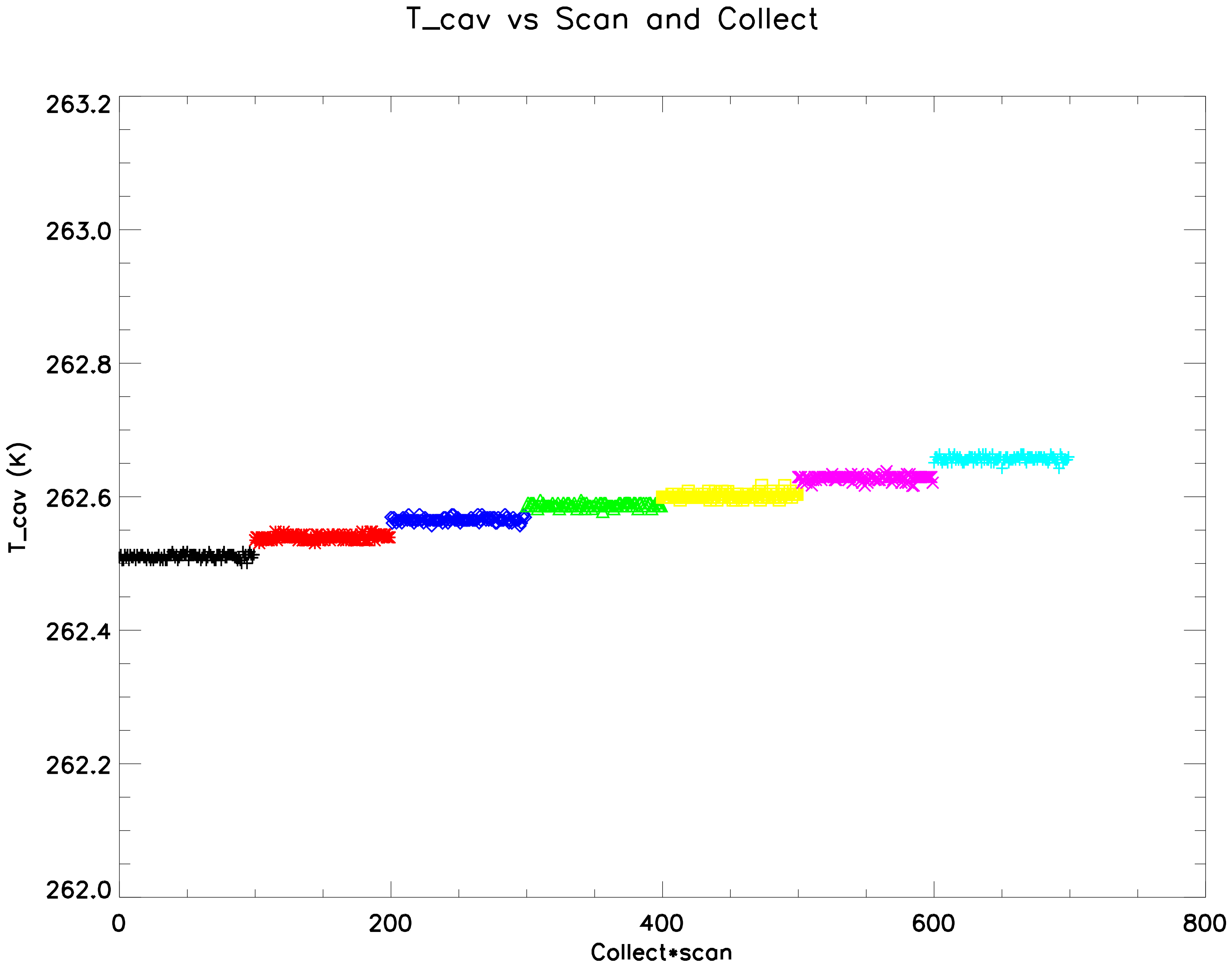


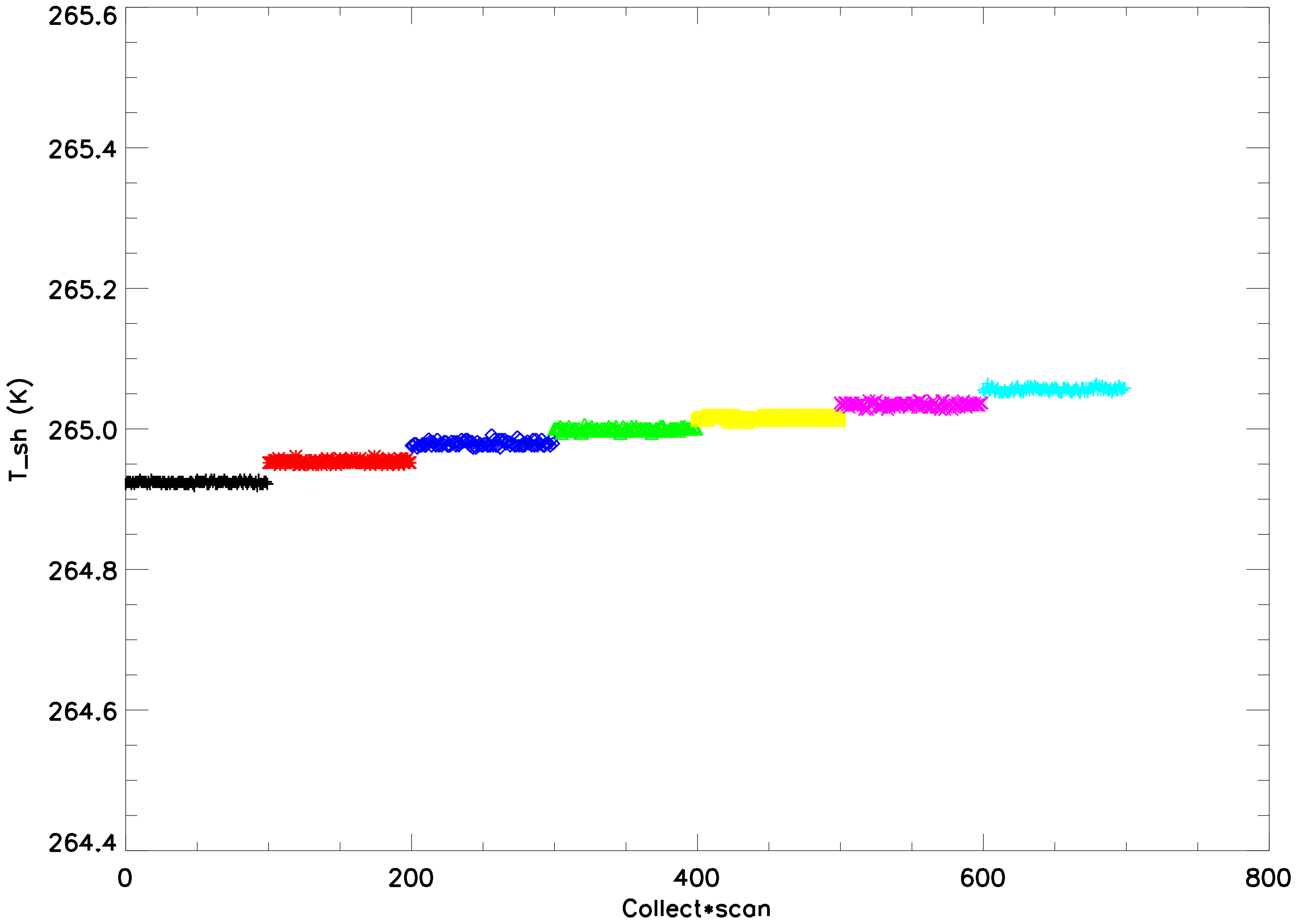
T_svs vs Time


T_tmc vs Collect
T_tmc (K)
800
700
600
500
400
300
0
2
4
6
8
Collect

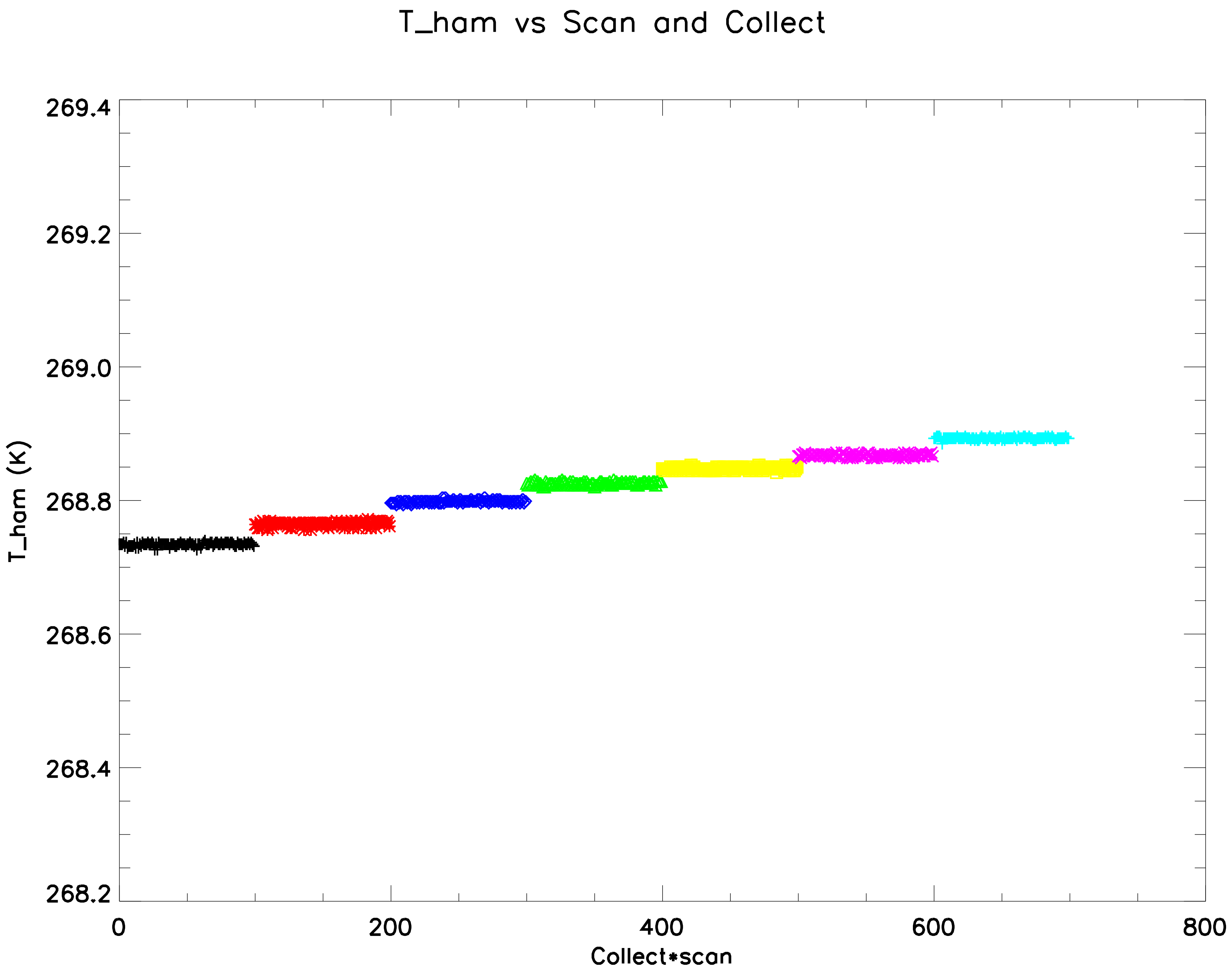

T_tmc vs Time
T_tmc (K)
800
700
600
500
400
300
−100
0
100
200
300
400
Time (min)

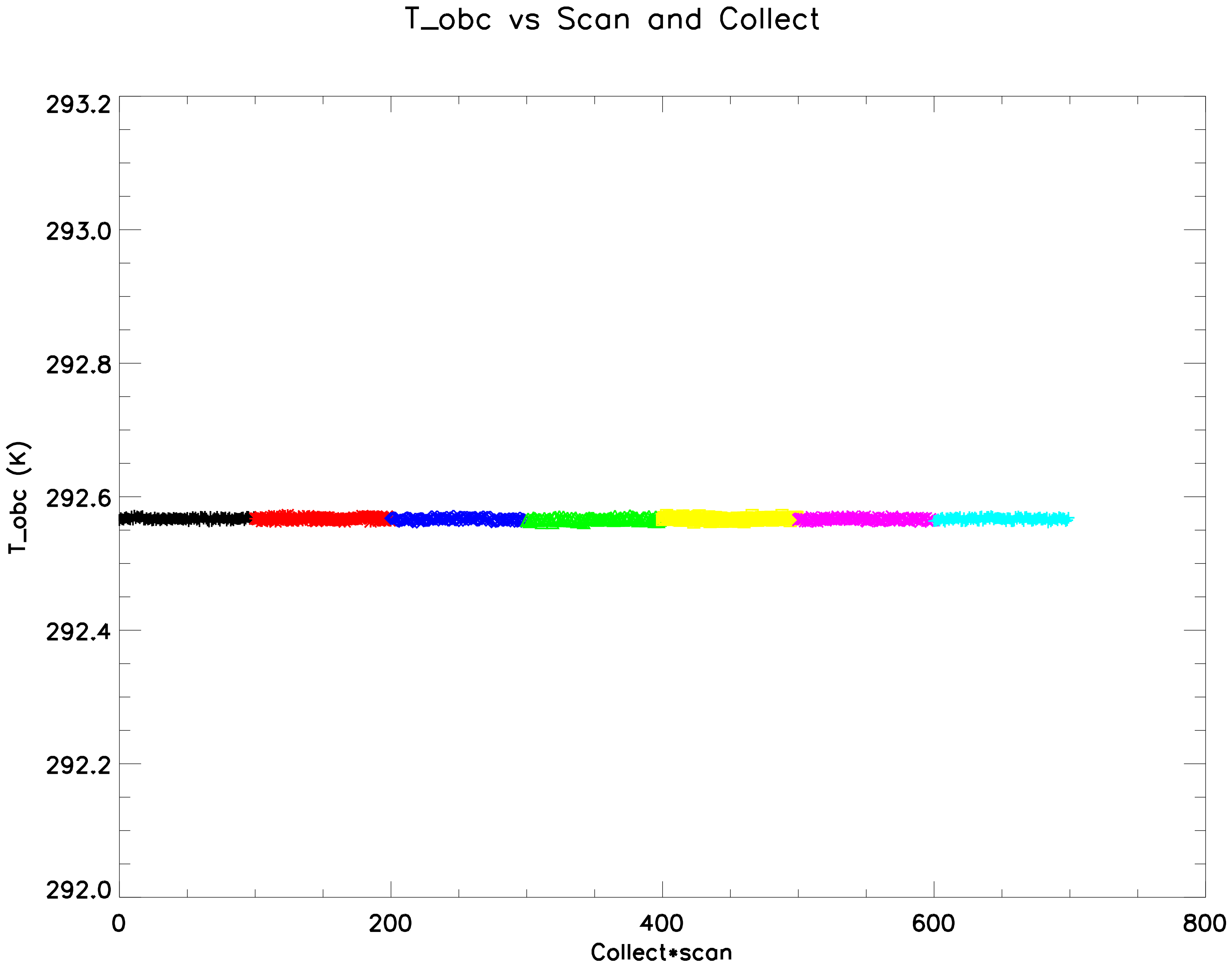

T_rta vs Scan and Collect
T_rta (K)
259.0
258.8
258.6
258.4
258.2
258.0
257.8
257.6
0
200
400
600
800
Collect*scan

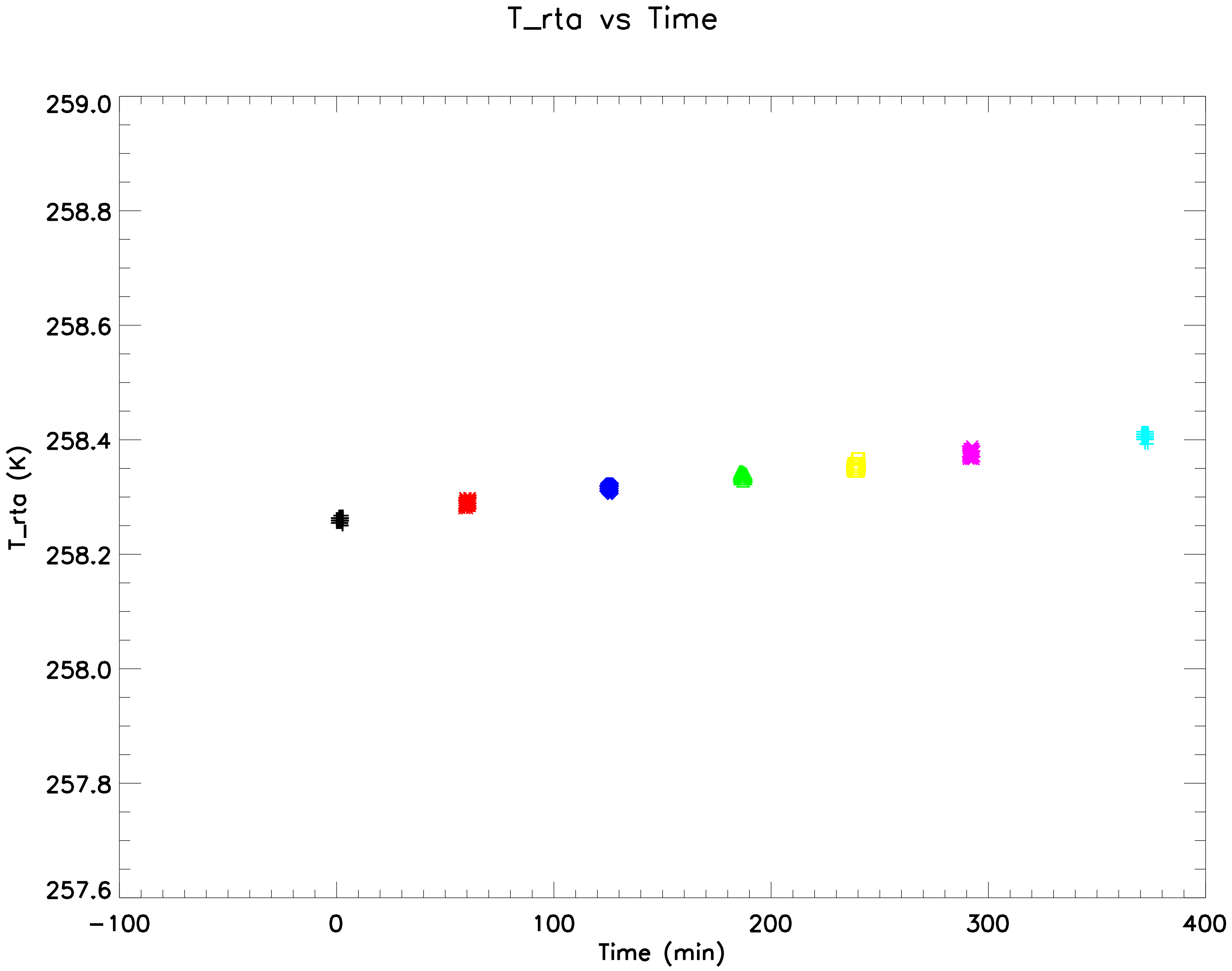

T_cav vs Scan and Collect
T_cav (K)
263.2
263.0
262.8
262.6
262.4
262.2
262.0
0
200
400
600
800
Collect*scan

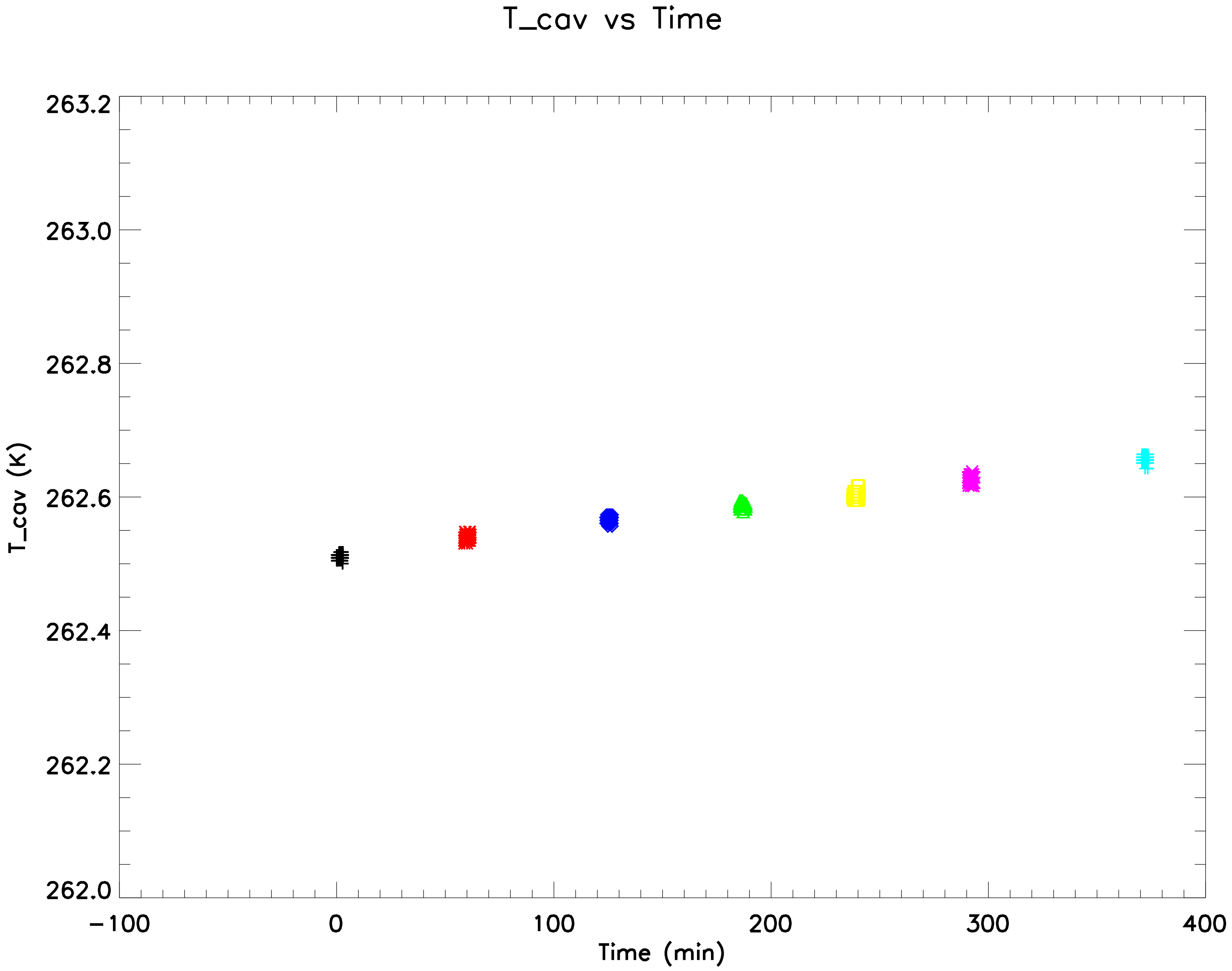


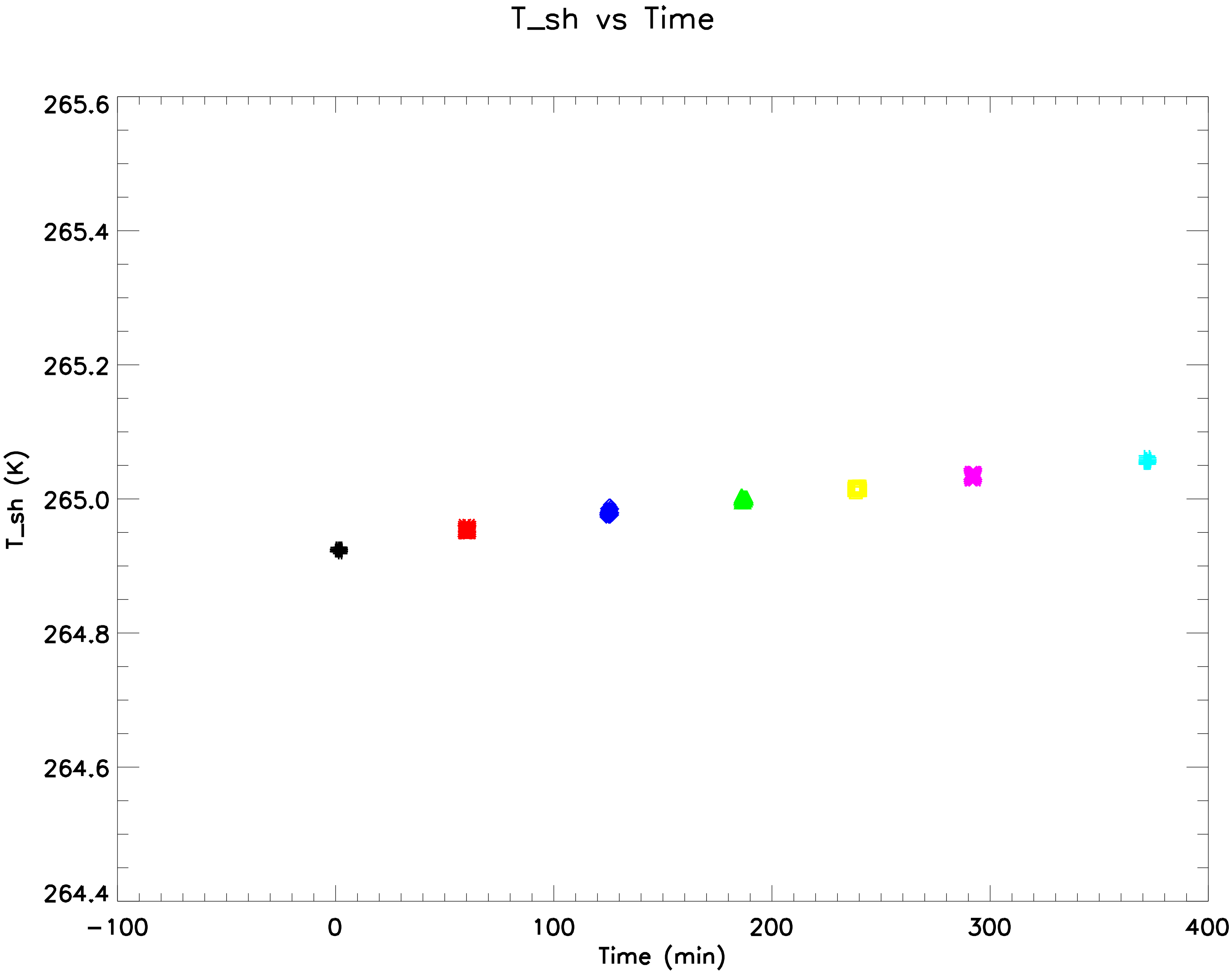
T_sh vs Scan and Collect

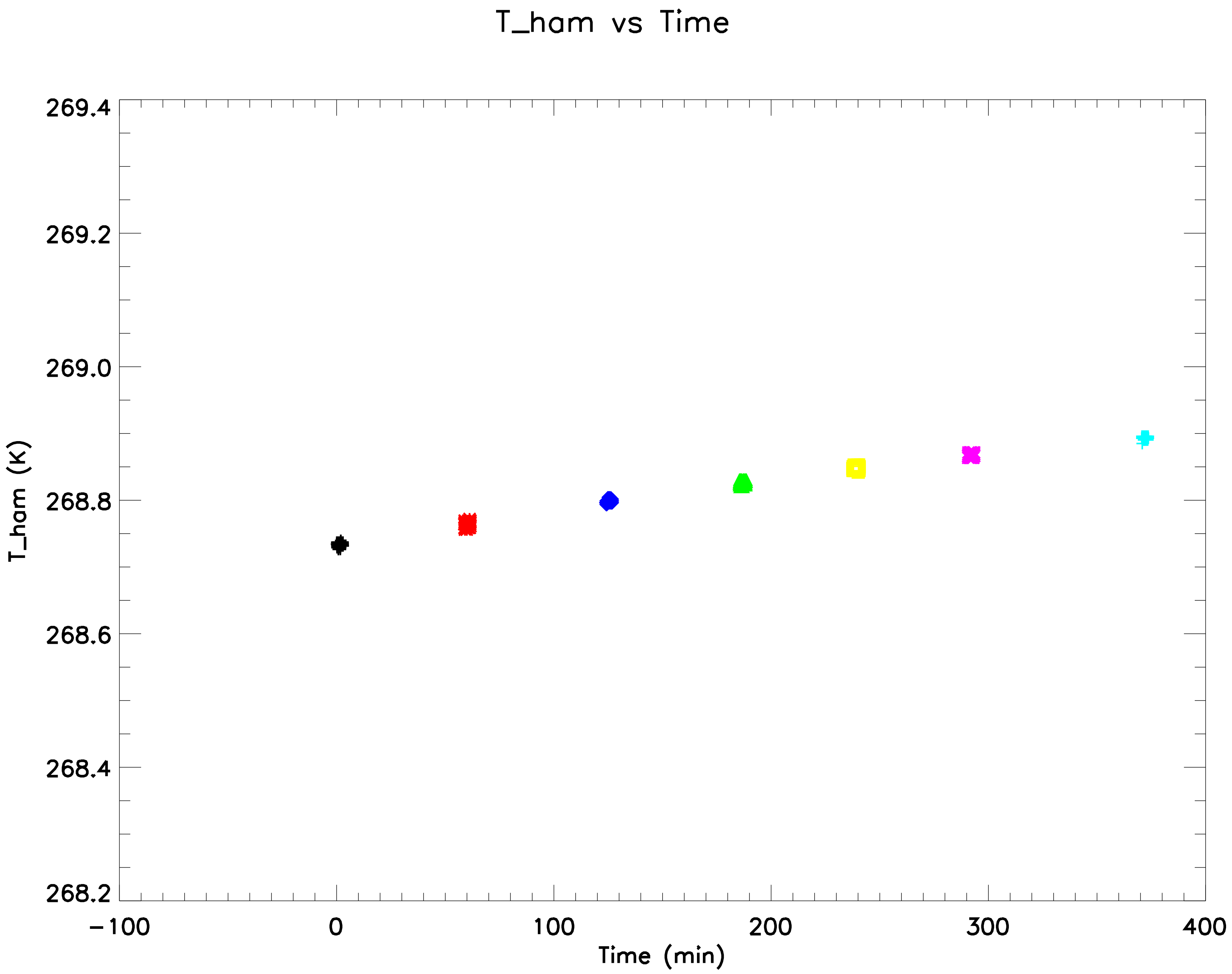

T_ham vs Scan and Collect
T_ham (K)
269.4
269.2
269.0
268.8
268.6
268.4
268.2
0
200
400
600
800
Collect*scan

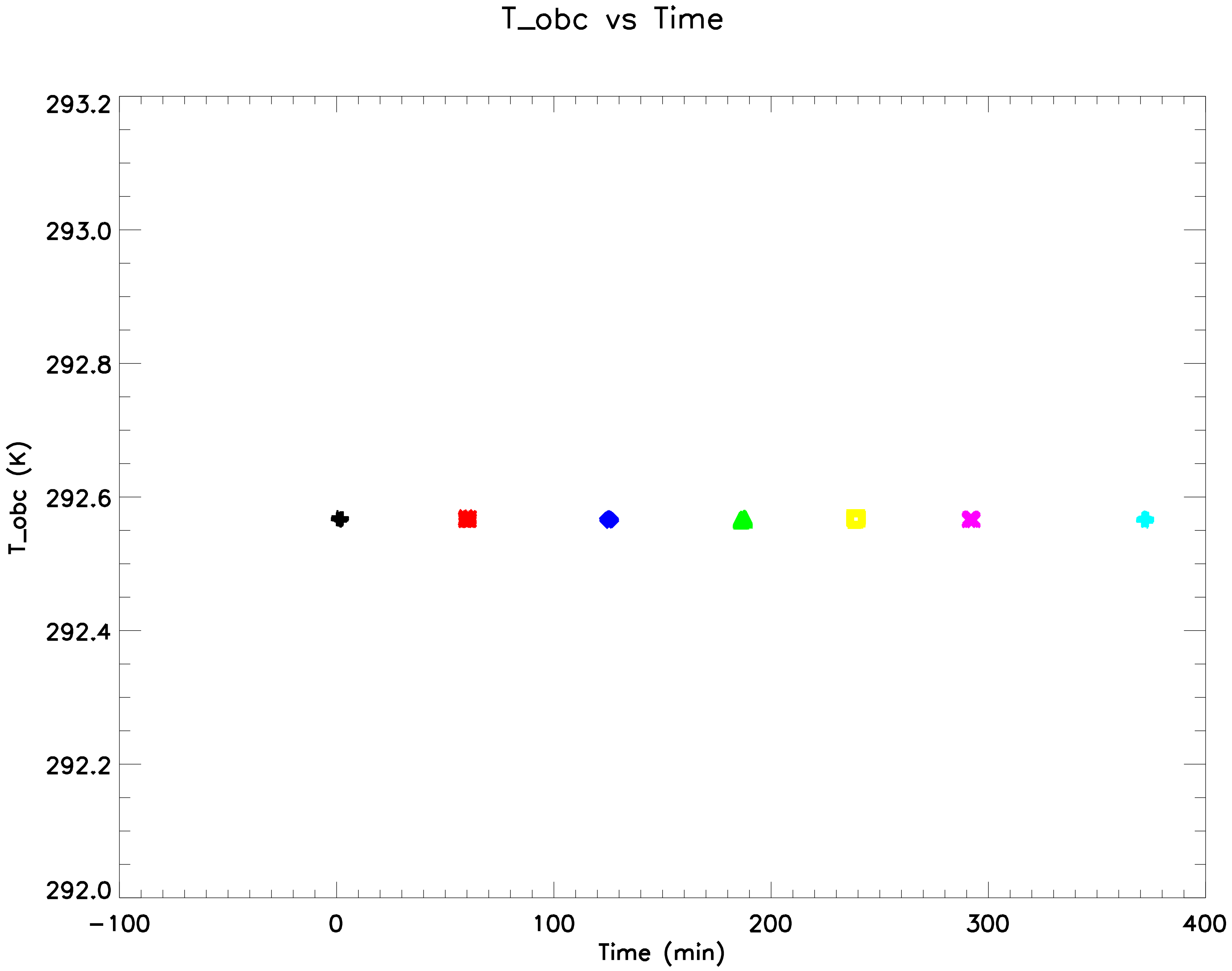

T_obc vs Scan and Collect
T_obc (K)
293.2
293.0
292.8
292.6
292.4
292.2
292.0
0
200
400
600
800
Collect*scan

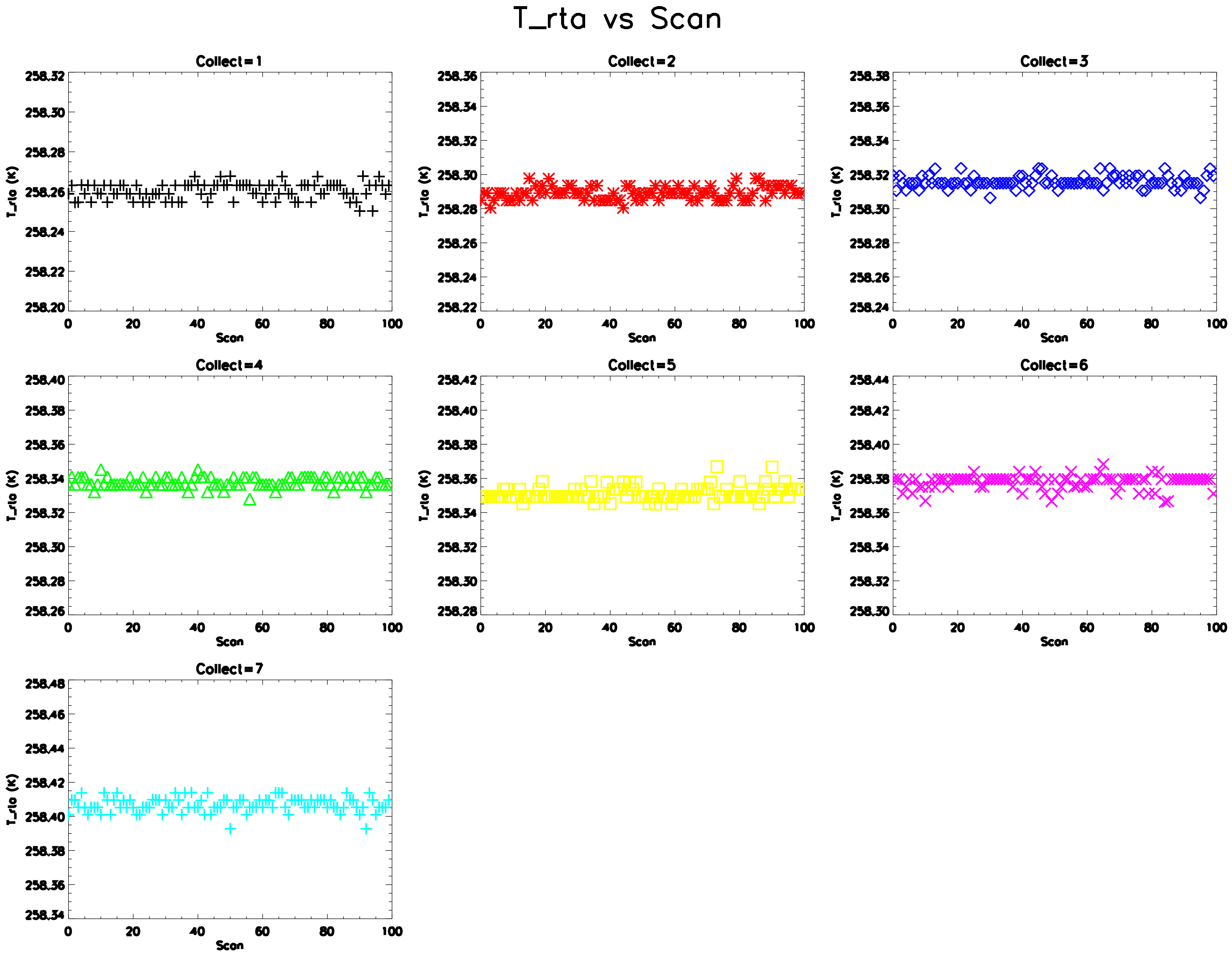

T_rta vs Time
T_rta (K)
259.0
258.8
258.6
258.4
258.2
258.0
257.8
257.6
−100
0
100
200
300
400
Time (min)

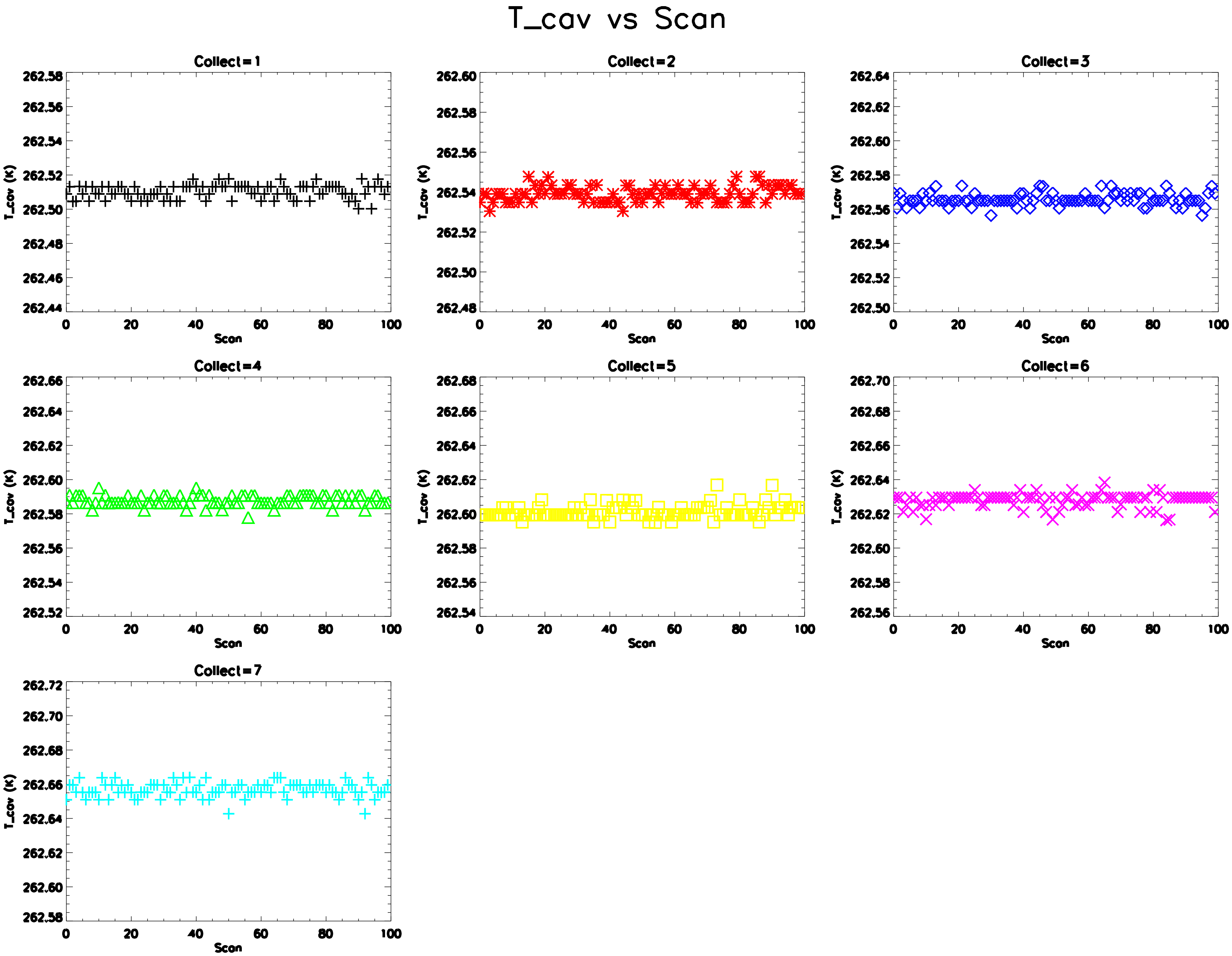

T_cav vs Time
263.2
263.0
262.8
262.6
262.4
262.2
262.0
T_cav (K)
−100
0
100
200
300
400
Time (min)

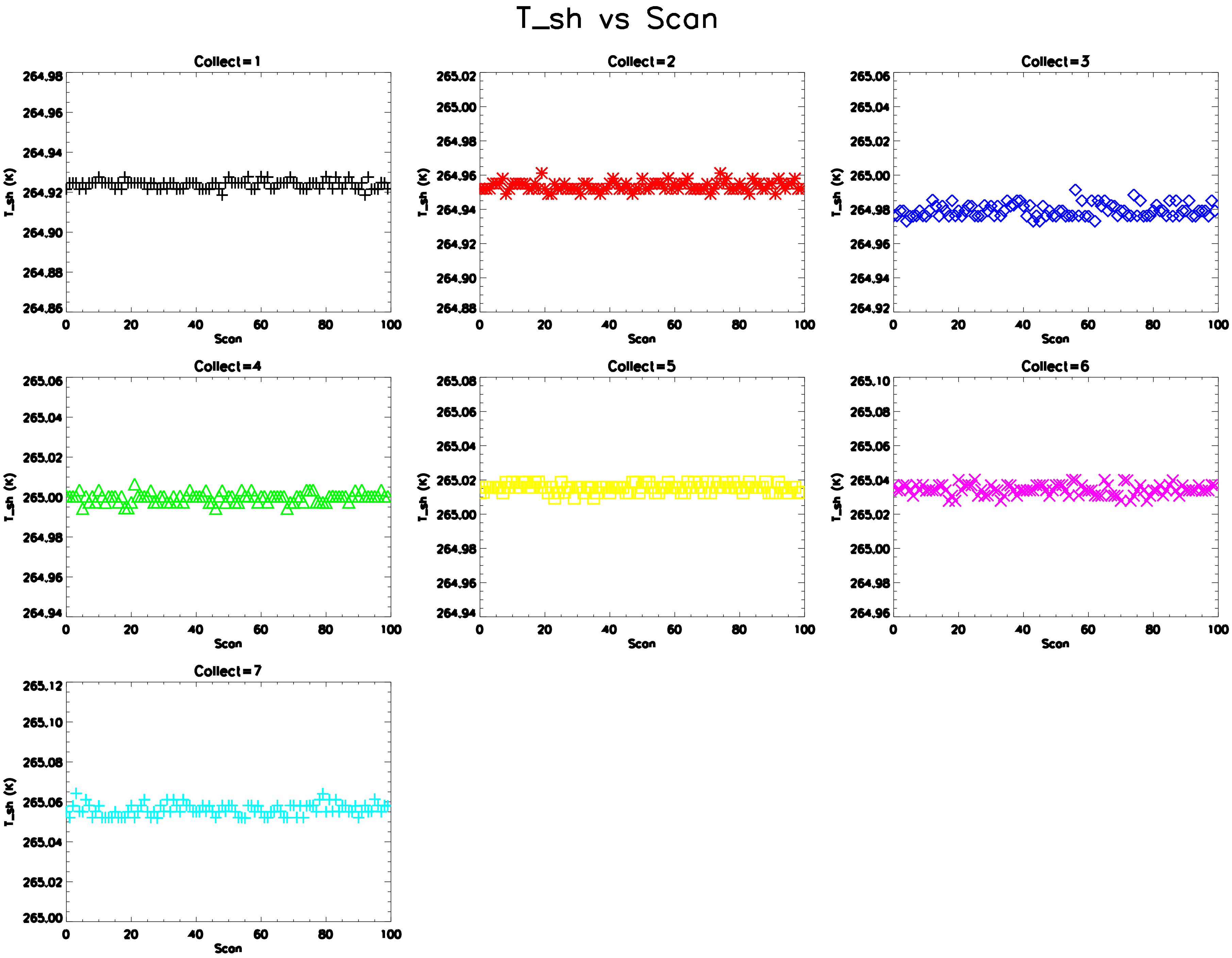

T_sh vs Time
T_sh (K)
265.6
265.4
265.2
265.0
264.8
264.6
264.4
-100
0
100
200
300
400
Time (min)

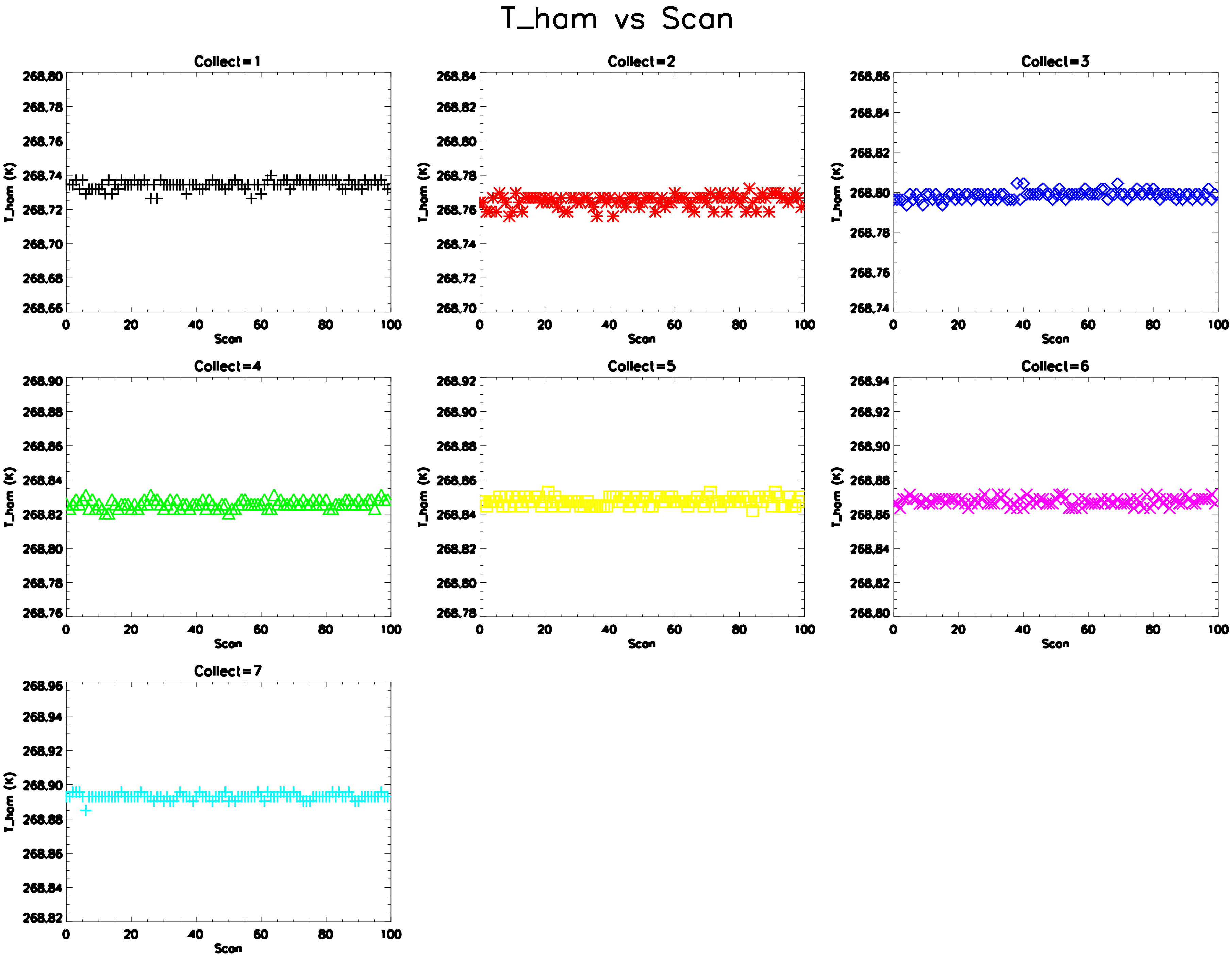

T_ham vs Time
T_ham (K)
269.4
269.2
269.0
268.8
268.6
268.4
268.2
−100
0
100
200
300
400
Time (min)


T_obc vs Time
293.2
293.0
292.8
292.6
292.4
292.2
292.0
T_obc (K)
−100
0
100
200
300
400
Time (min)

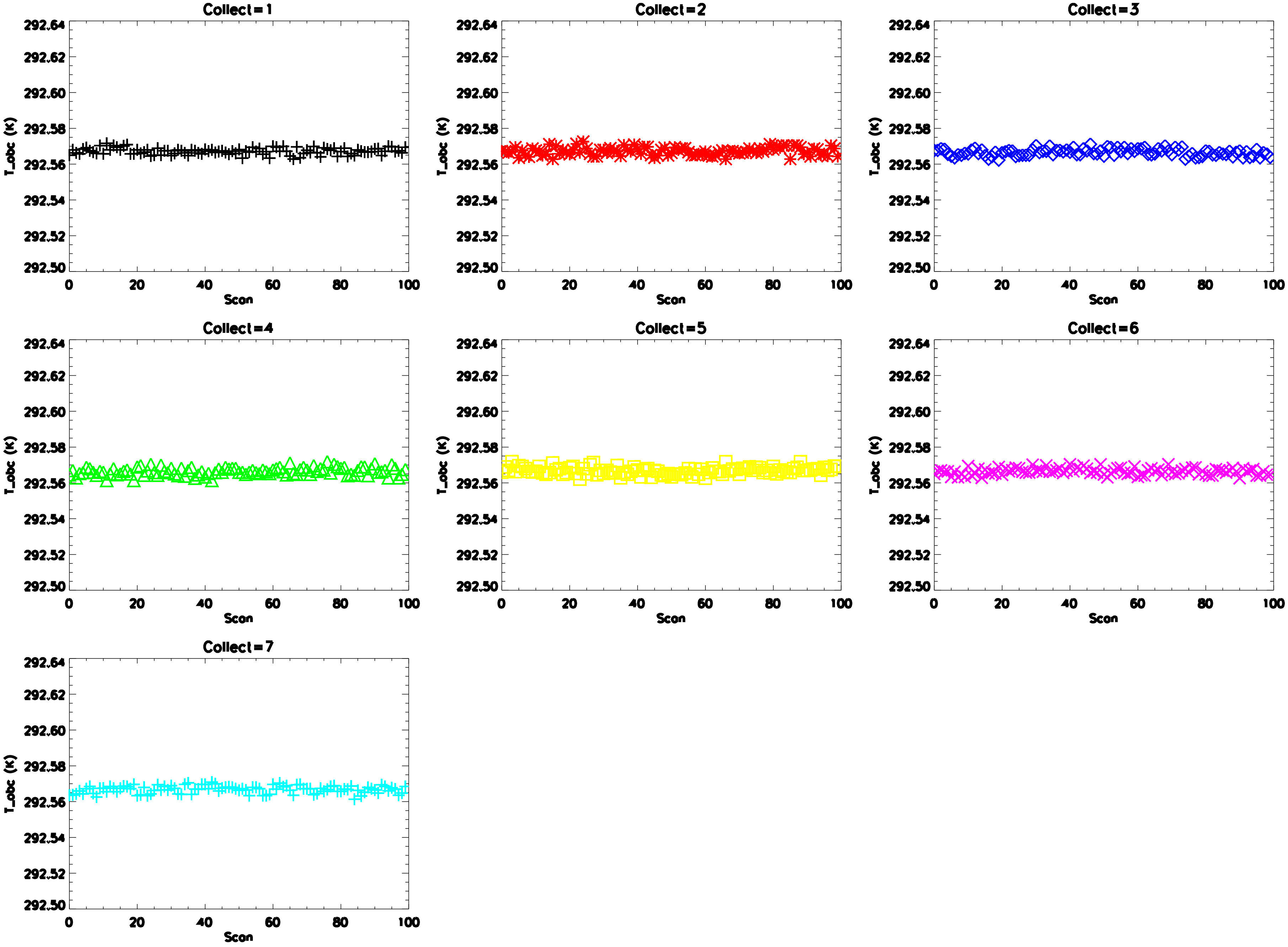

T_rta vs Scan
Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
T_rta (K)
Scan
0
20
40
60
80
100
258.20
258.22
258.24
258.26
258.28
258.30
258.32
258.34
258.36
258.38
258.40
258.42
258.44
258.46
258.48

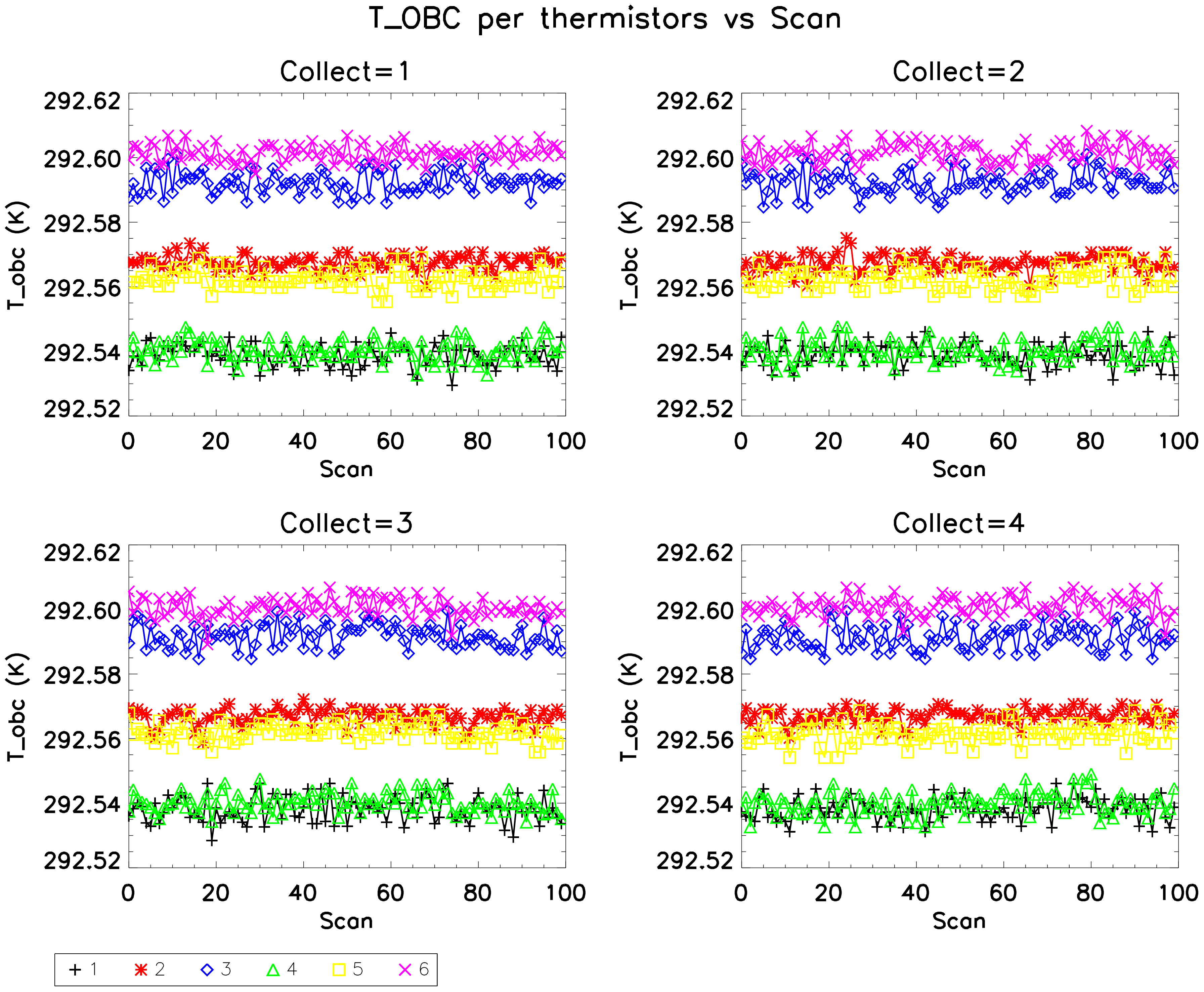

T_cav vs Scan
Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
T_cav (K)
Scan
0
20
40
60
80
100
262.44
262.46
262.48
262.50
262.52
262.54
262.56
262.58
262.60
262.62
262.64
262.66
262.68
262.70
262.72


T_sh vs Scan
Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
T_sh (K)
Scan
0
20
40
60
80
100
264.86
264.88
264.90
264.92
264.94
264.96
264.98
265.00
265.02
265.04
265.06
265.08
265.10
265.12

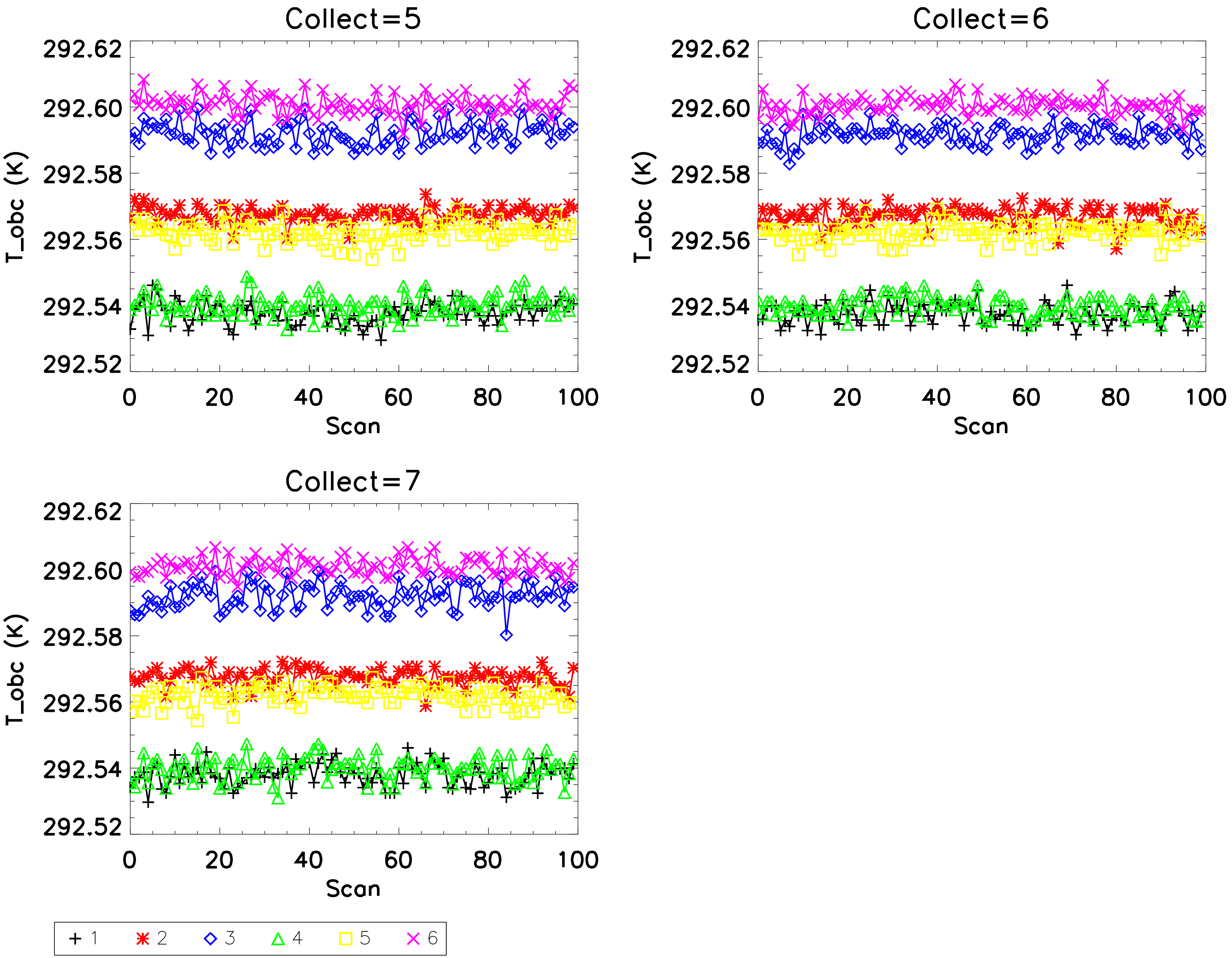

T_ham vs Scan
Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
T_ham (K)
Scan
0
20
40
60
80
100
268.66
268.68
268.70
268.72
268.74
268.76
268.78
268.80
268.82
268.84
268.86
268.88
268.90
268.92
268.94
268.96

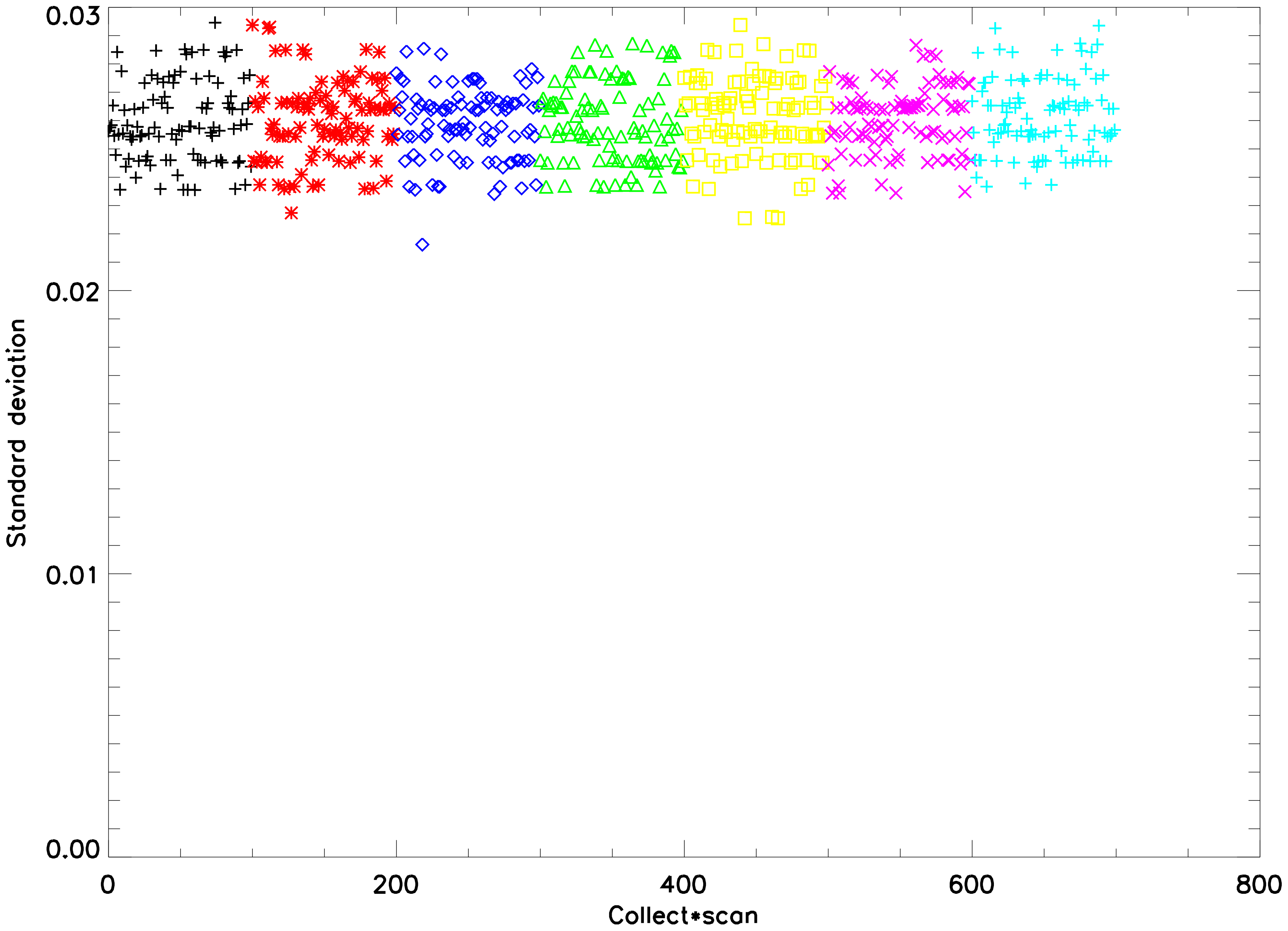
T_obc vs Scan

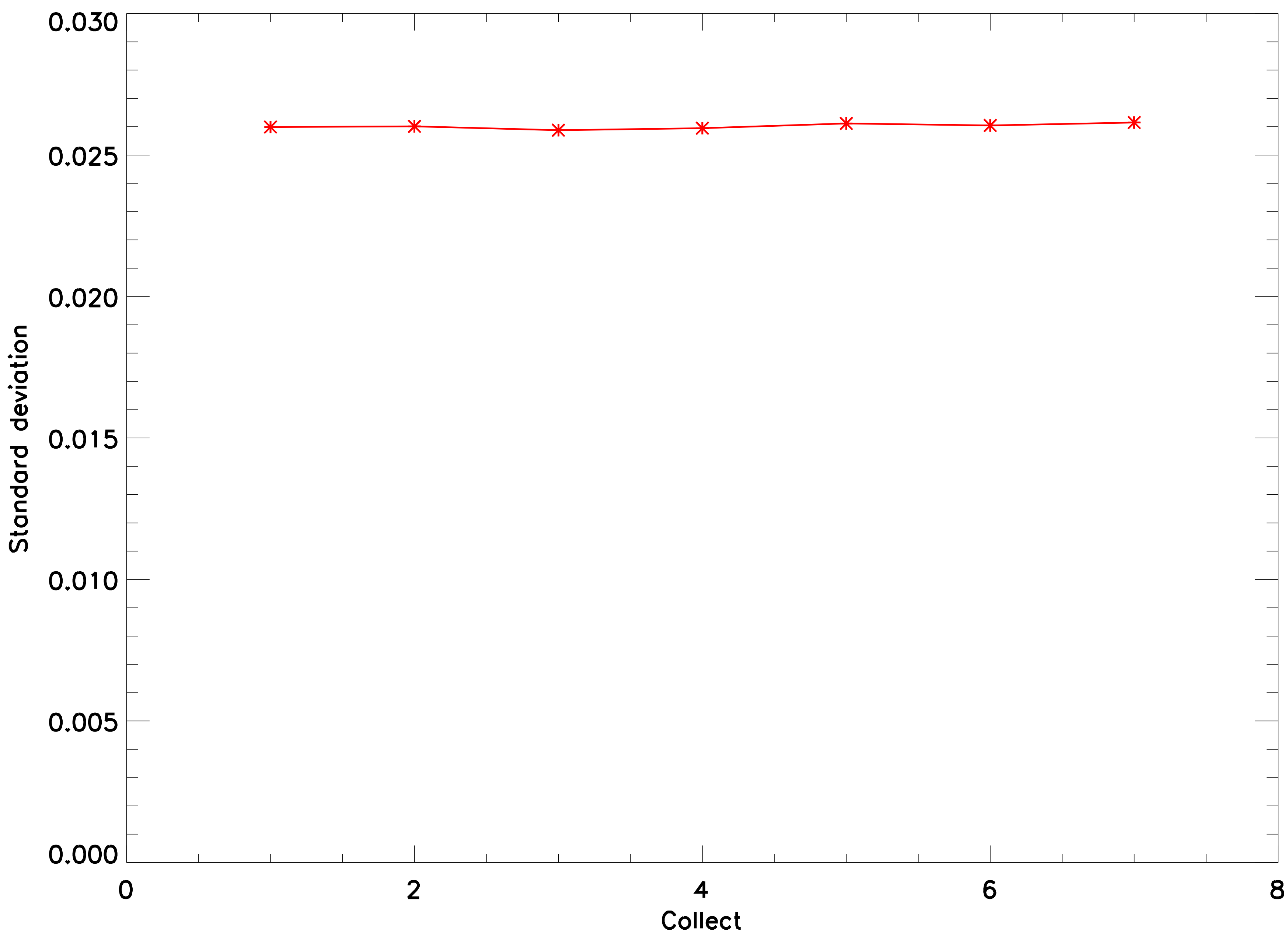

Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
T_obc (K)
292.50
292.52
292.54
292.56
292.58
292.60
292.62
292.64
Scan
0
20
40
60
80
100


T_OBC per thermistors vs Scan
Collect=1
Collect=2
Collect=3
Collect=4
T_obc (K)
292.62
292.60
292.58
292.56
292.54
292.52
Scan
0
20
40
60
80
100
+ 1
✱ 2
◇ 3
△ 4
□ 5
× 6

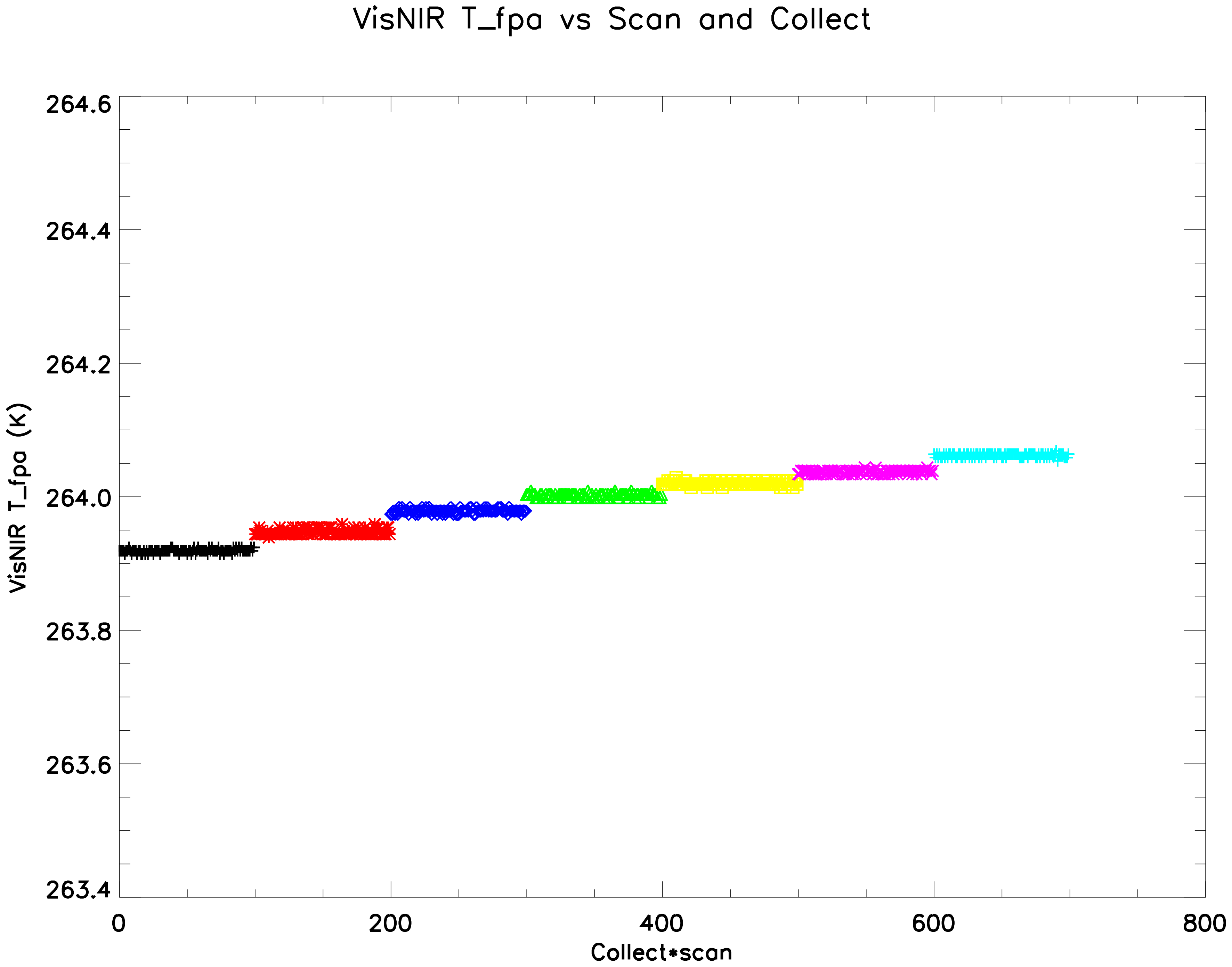
T_OBC per thermistors vs Scan

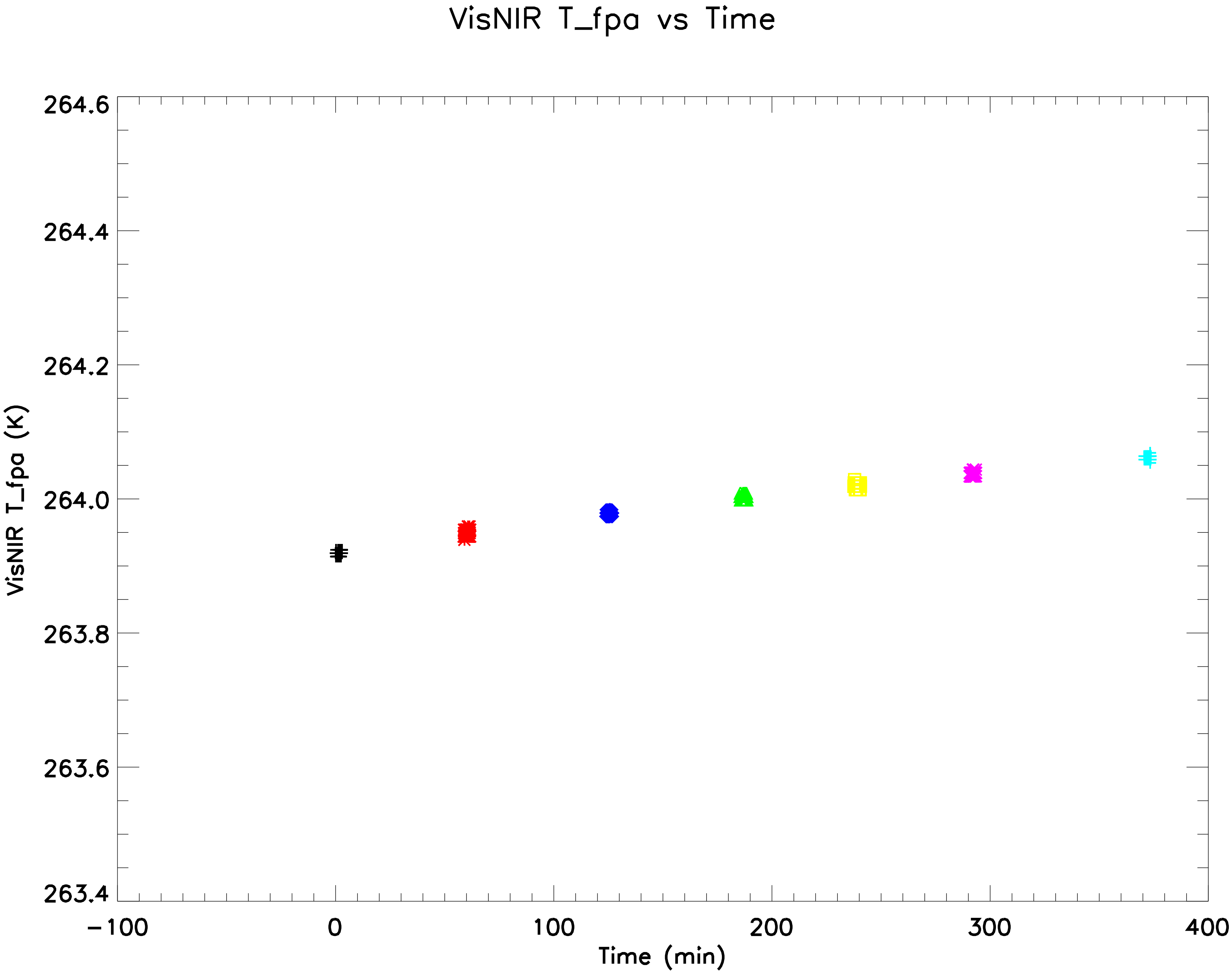



OBC thermistor standard deviation vs Scan and Collect

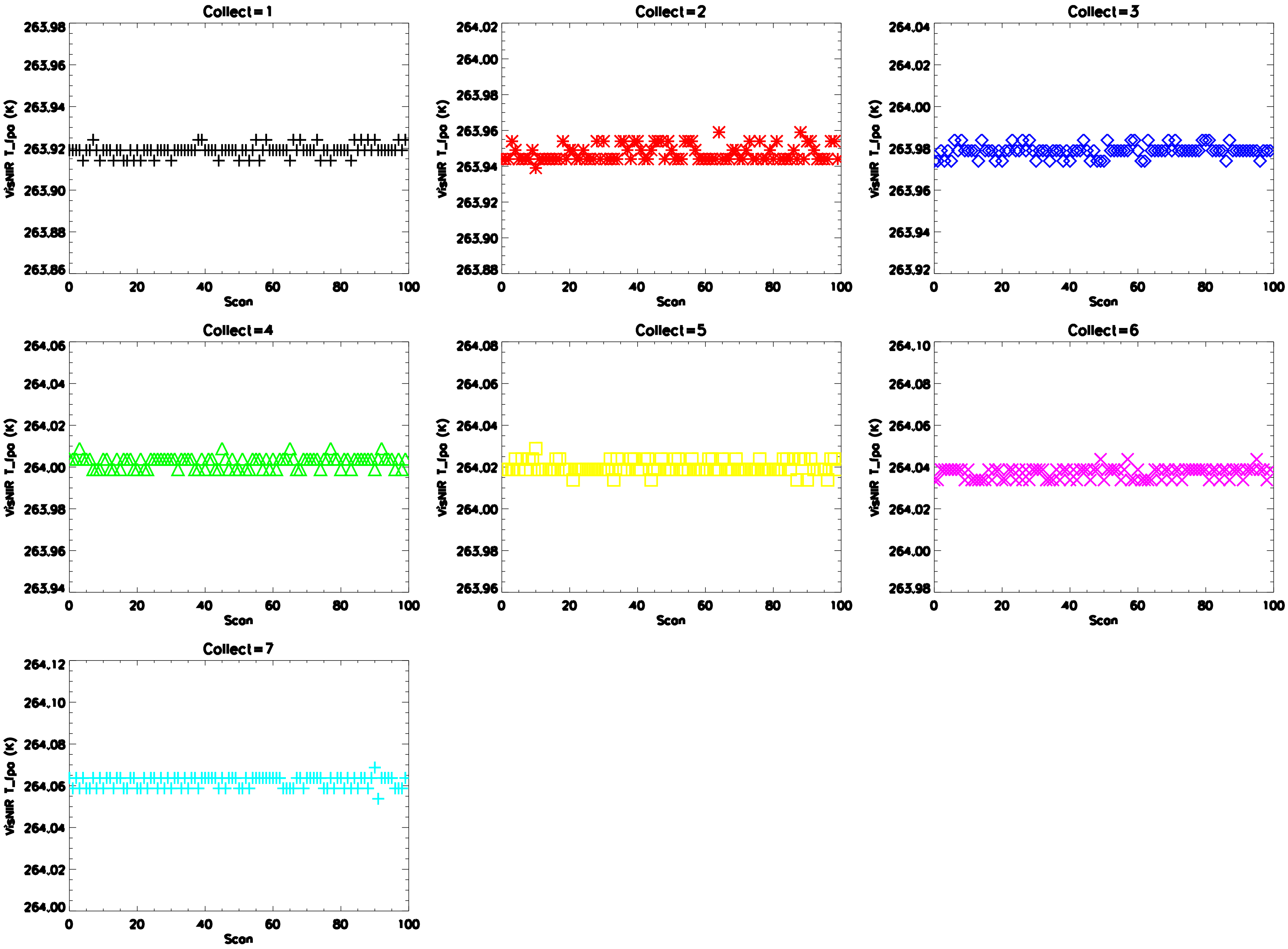


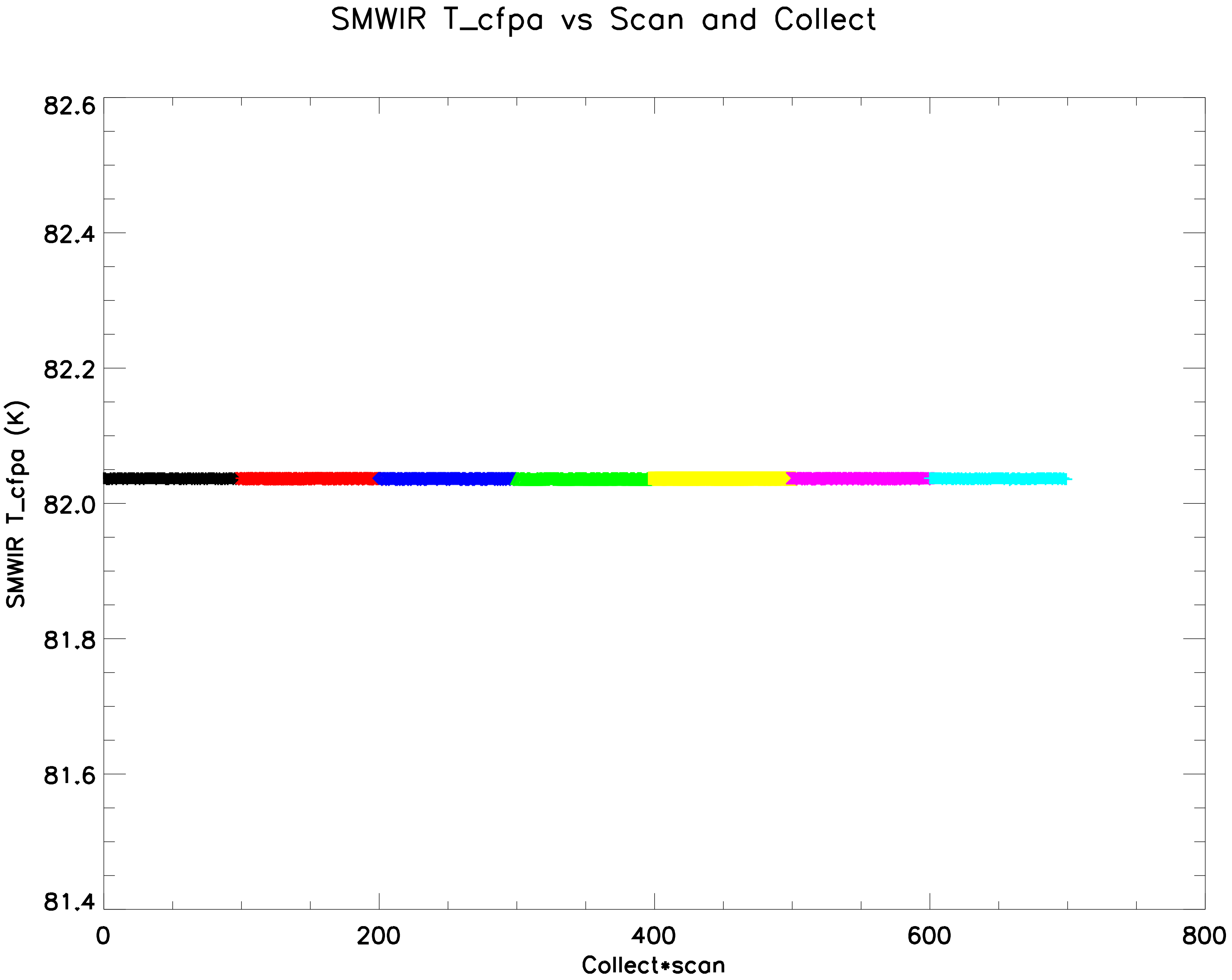
OBC thermistor standard deviation vs Collect

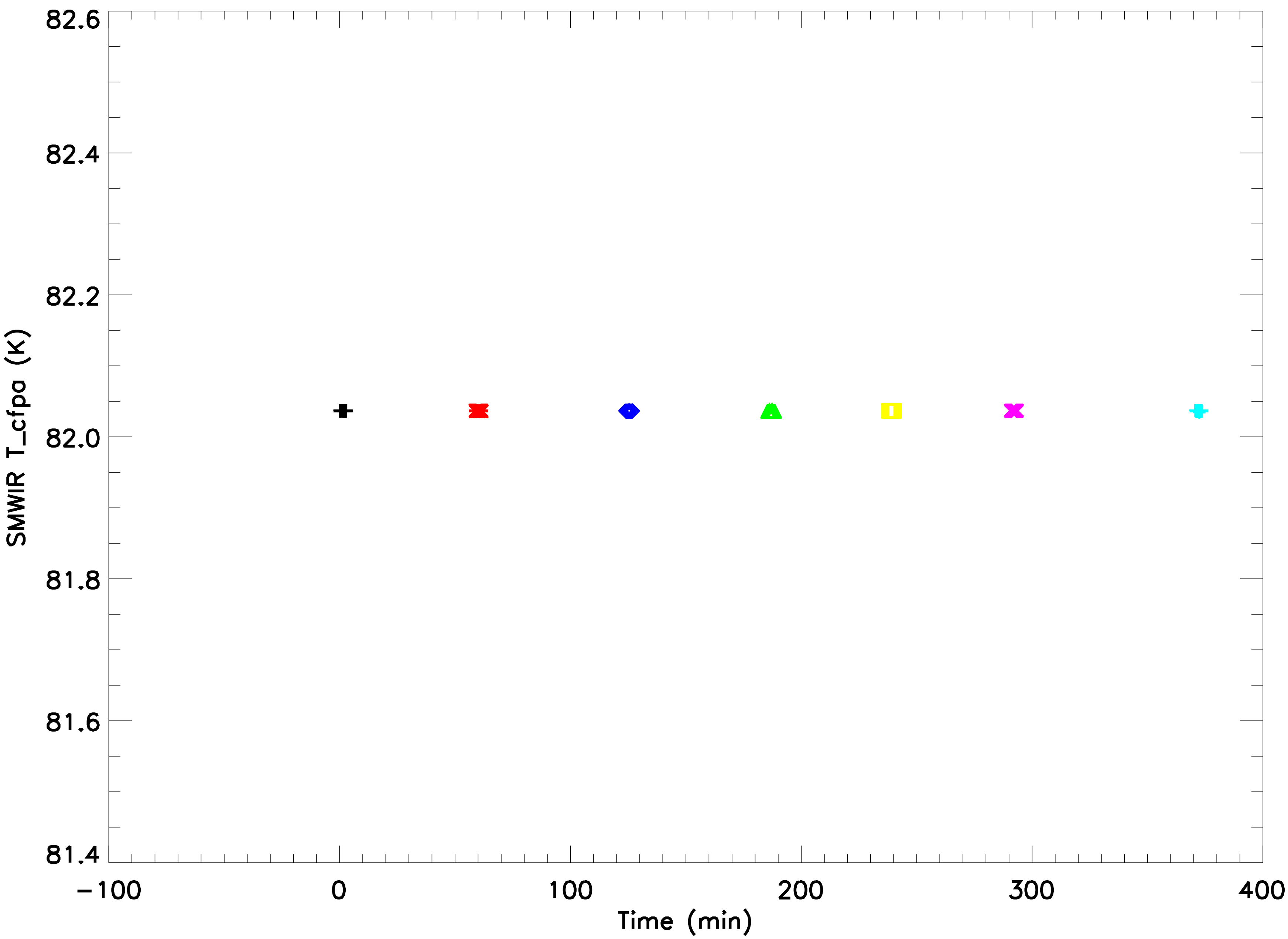

VisNIR T_fpa vs Scan and Collect
VisNIR T_fpa (K)
264.6
264.4
264.2
264.0
263.8
263.6
263.4
0
200
400
600
800
Collect*scan


VisNIR T_fpa vs Time
VisNIR T_fpa (K)
264.6
264.4
264.2
264.0
263.8
263.6
263.4
−100
0
100
200
300
400
Time (min)

VisNIR T_fpa vs Scan

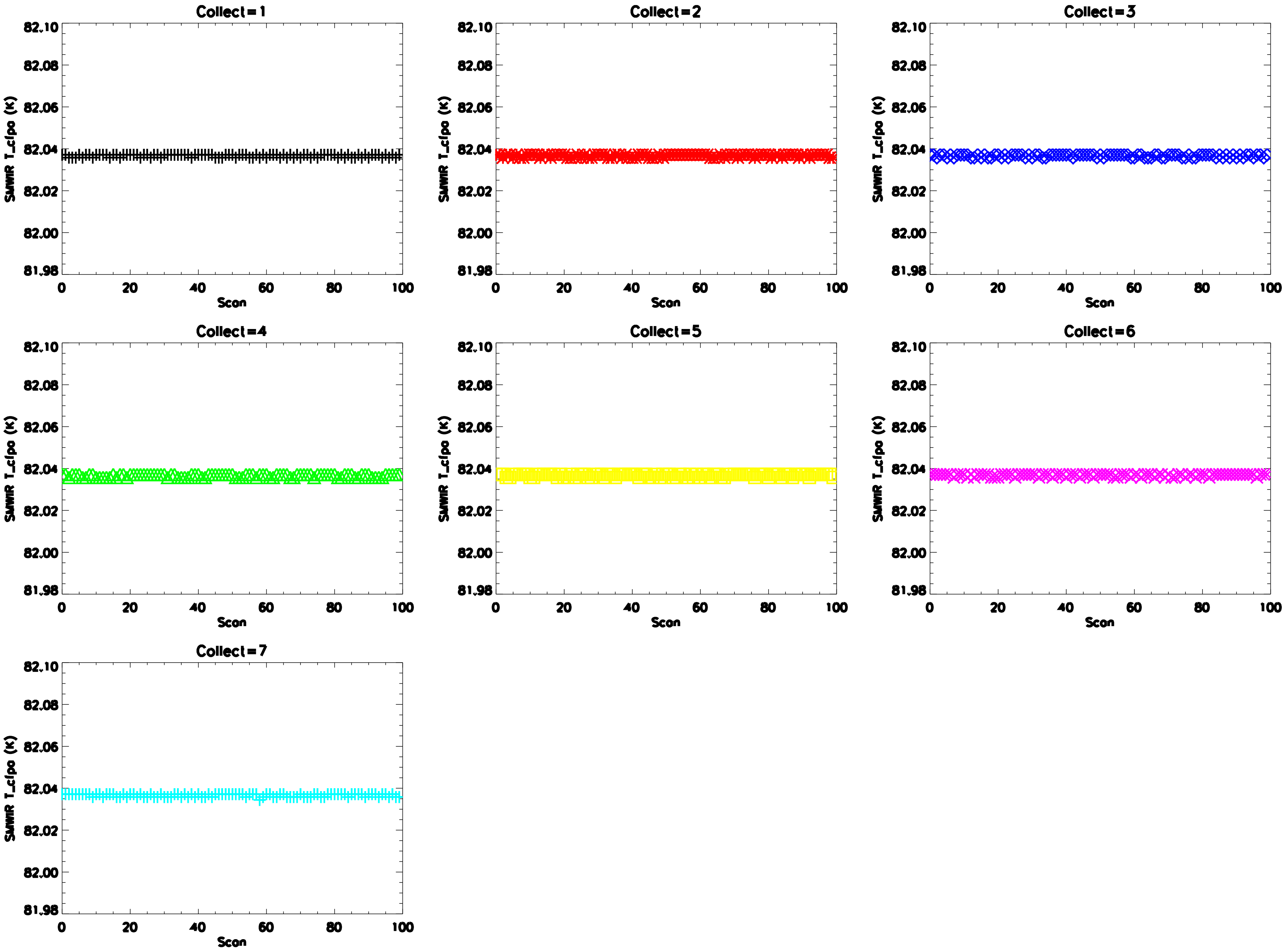



SMWIR T_cfpa vs Scan and Collect

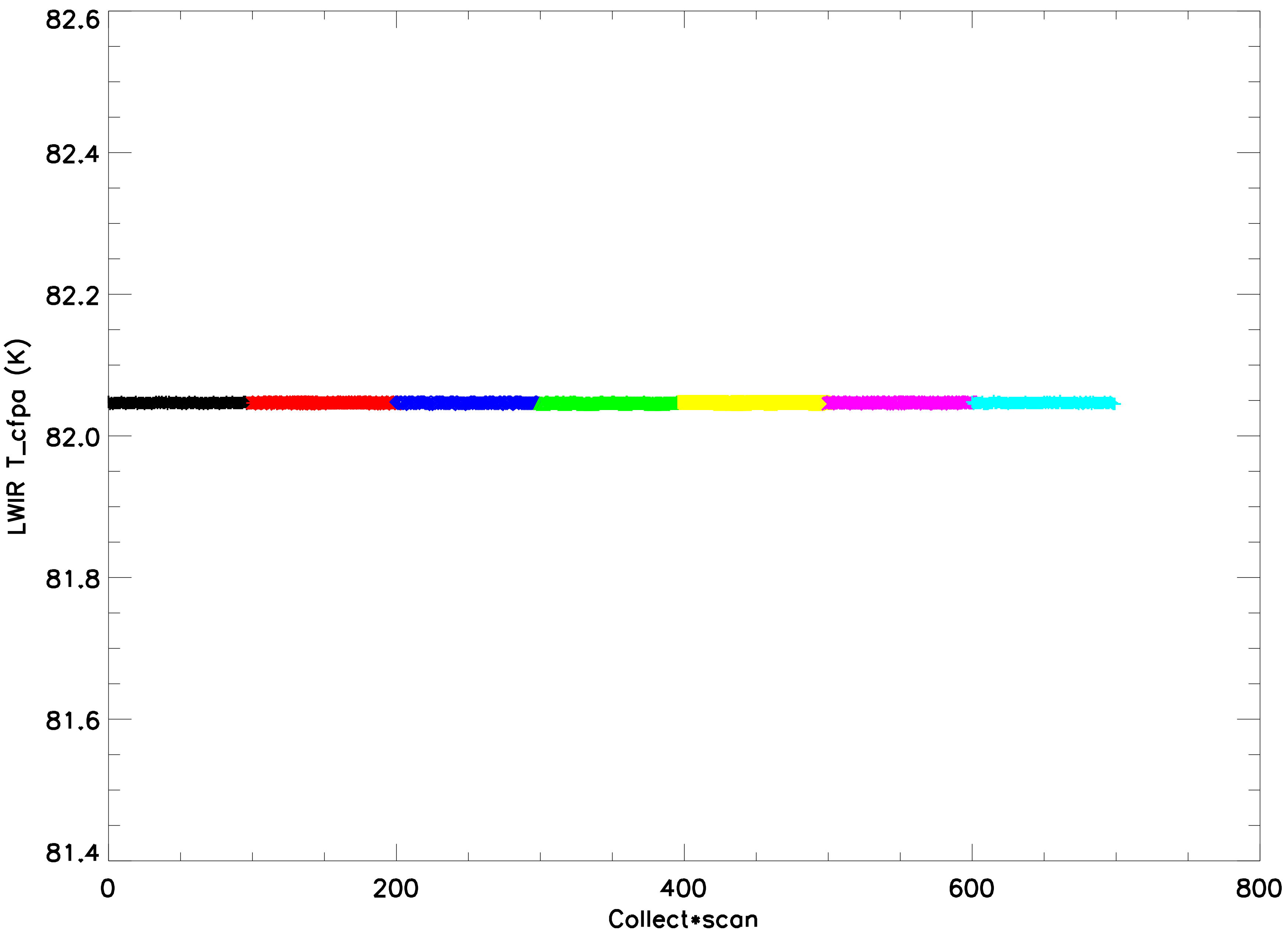


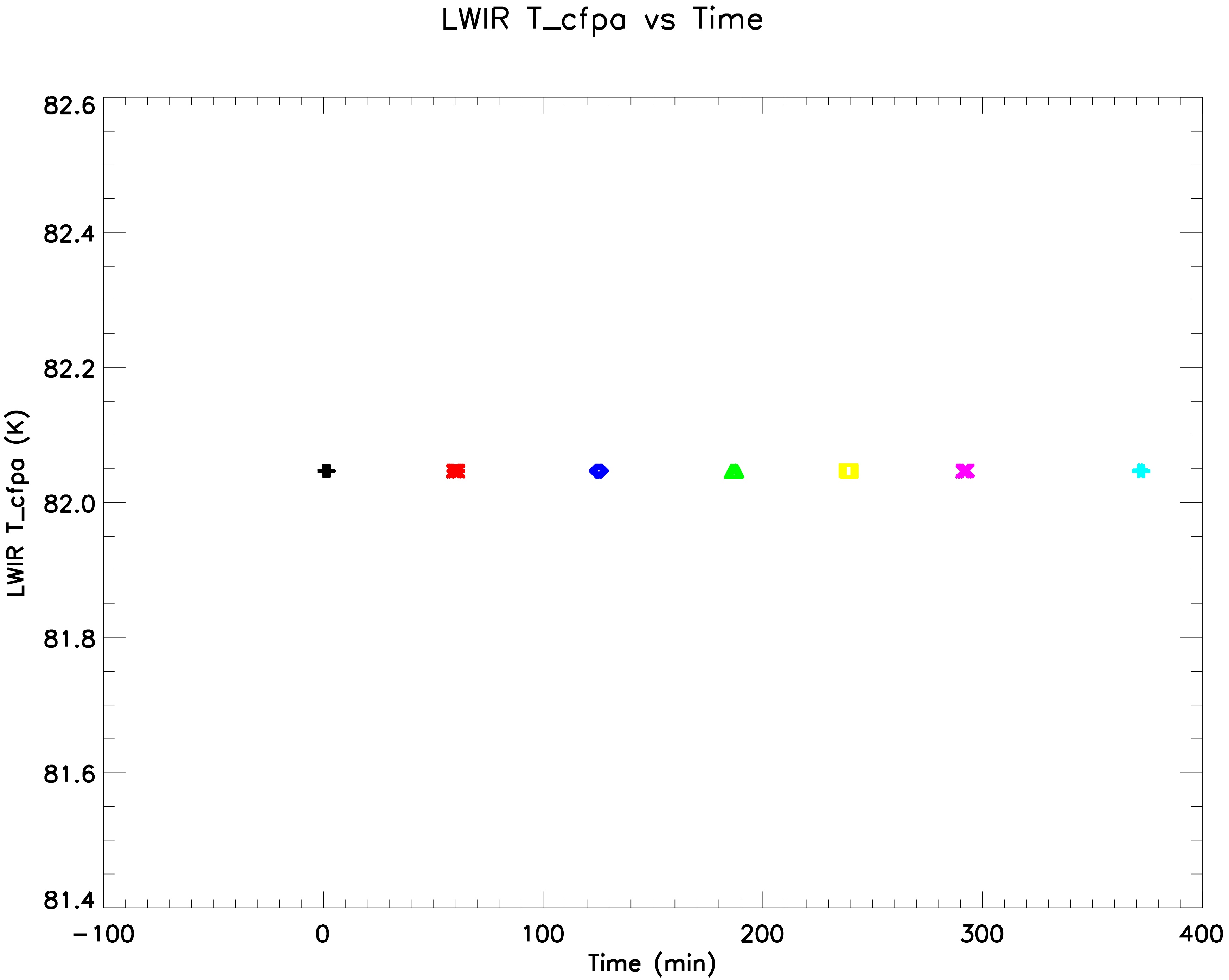
SMWIR T_cfpa vs Time

SMWIR T_cfpa vs Scan

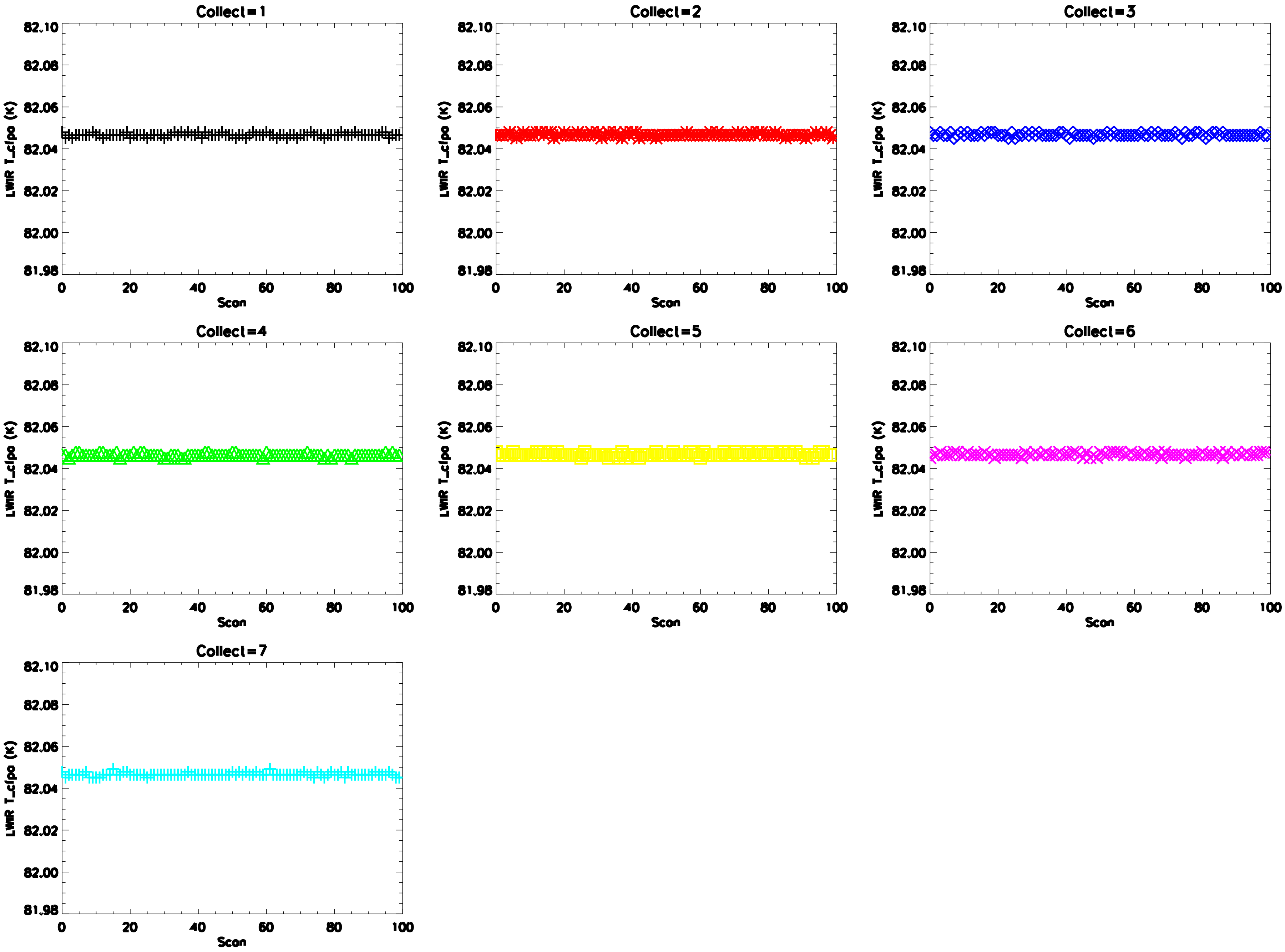


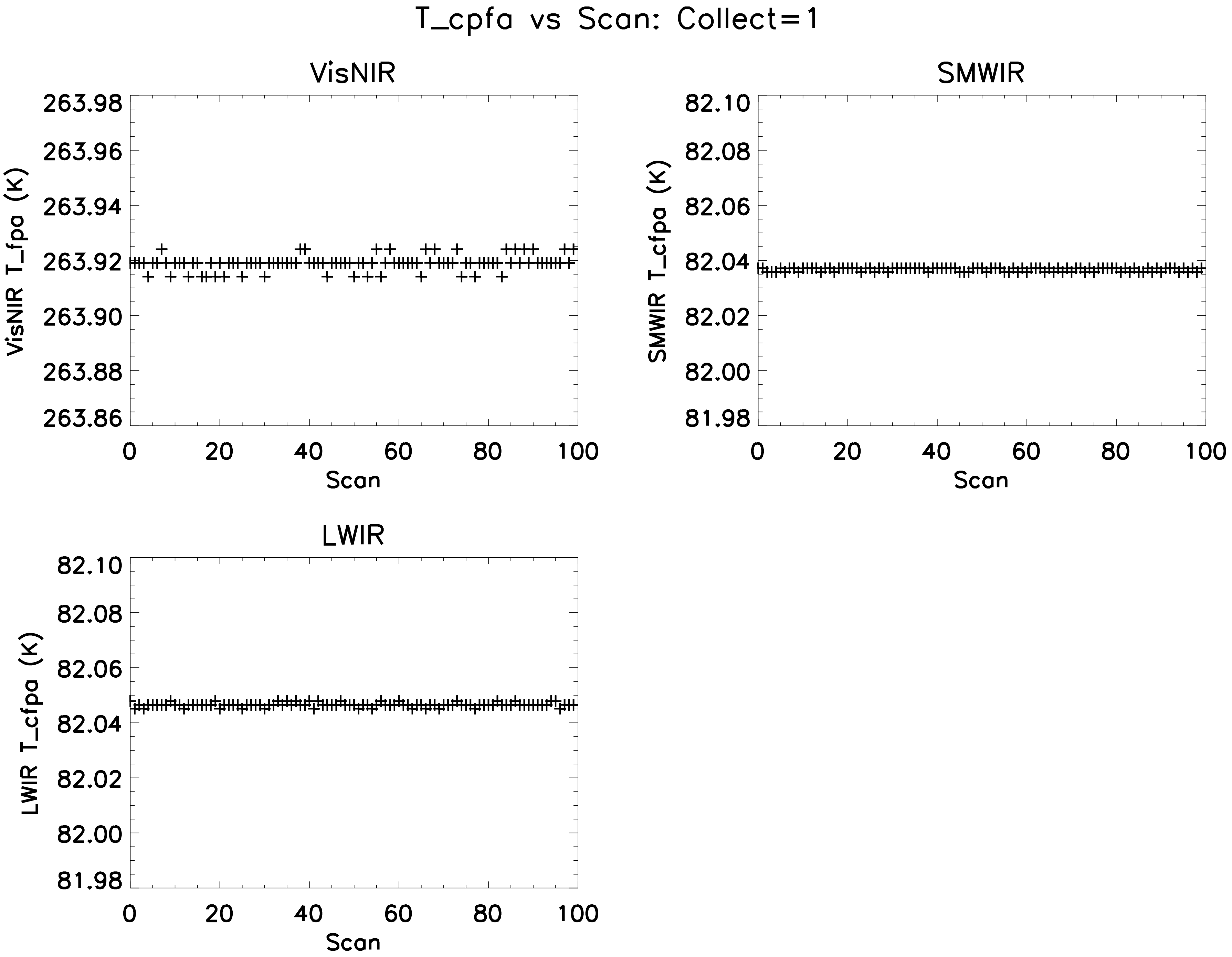
LWIR T_cfpa vs Scan and Collect



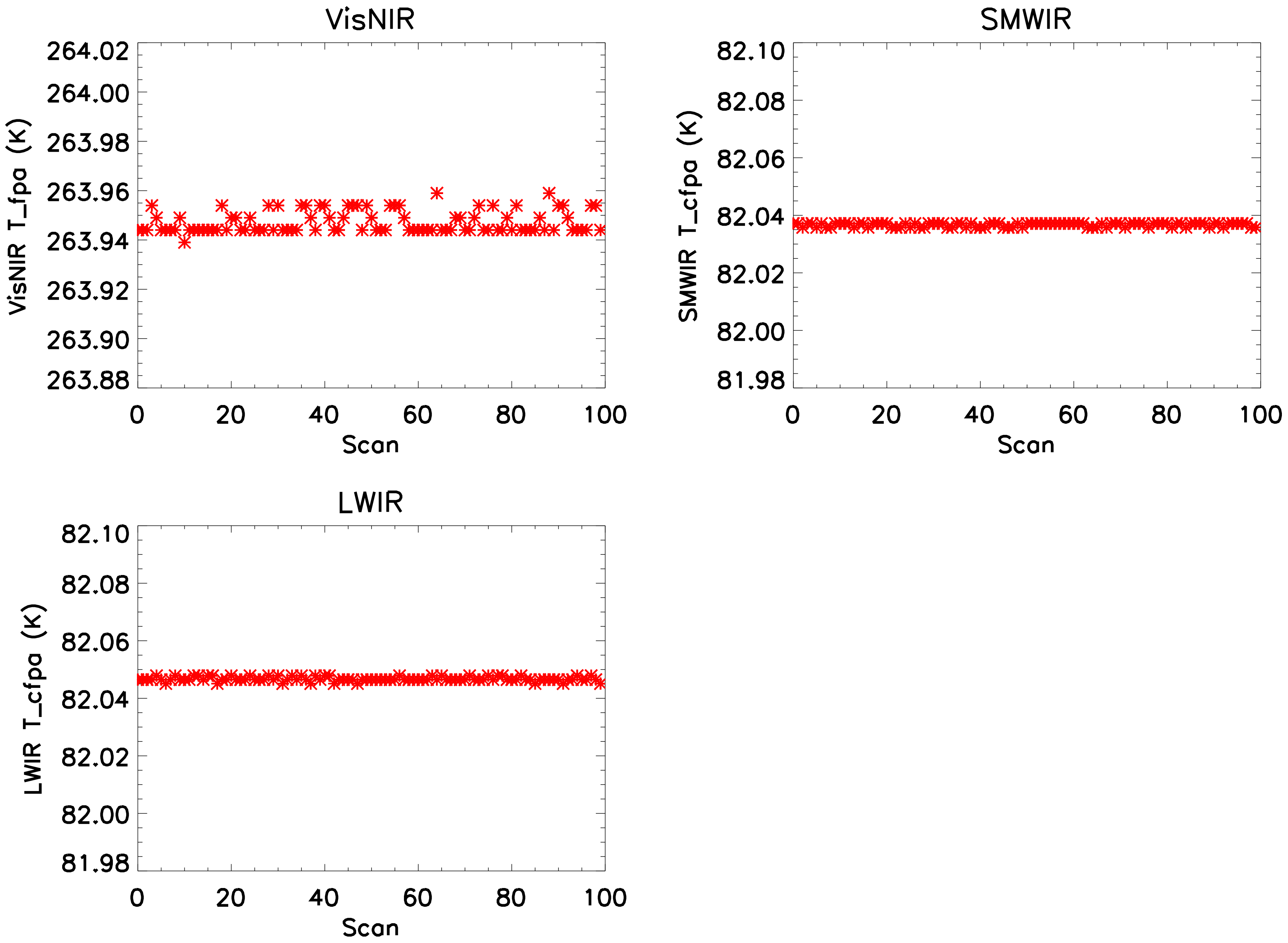

LWIR T_cfpa vs Time
LWIR T_cfpa (K)
82.6
82.4
82.2
82.0
81.8
81.6
81.4
−100
0
100
200
300
400
Time (min)

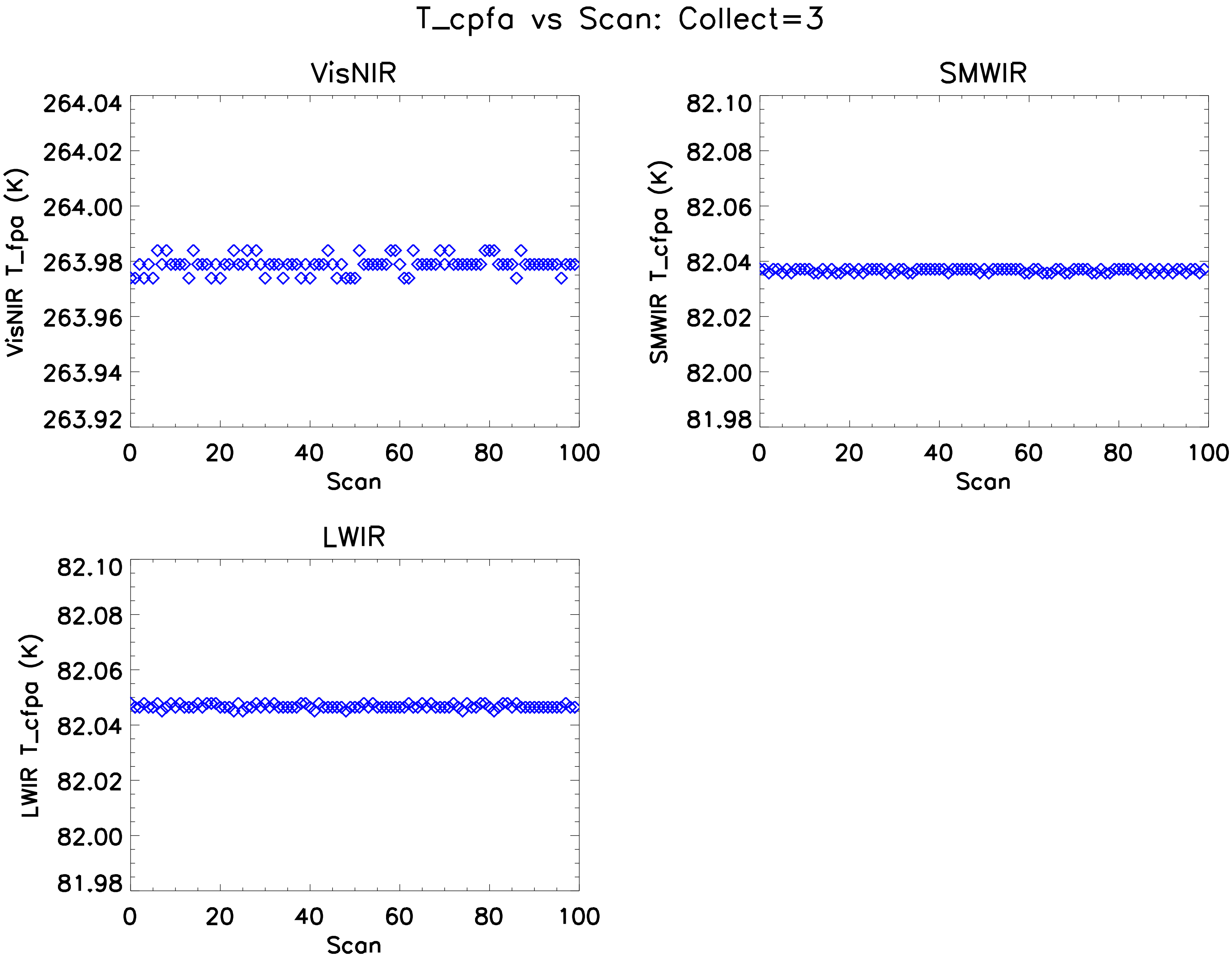
LWIR T_cfpa vs Scan

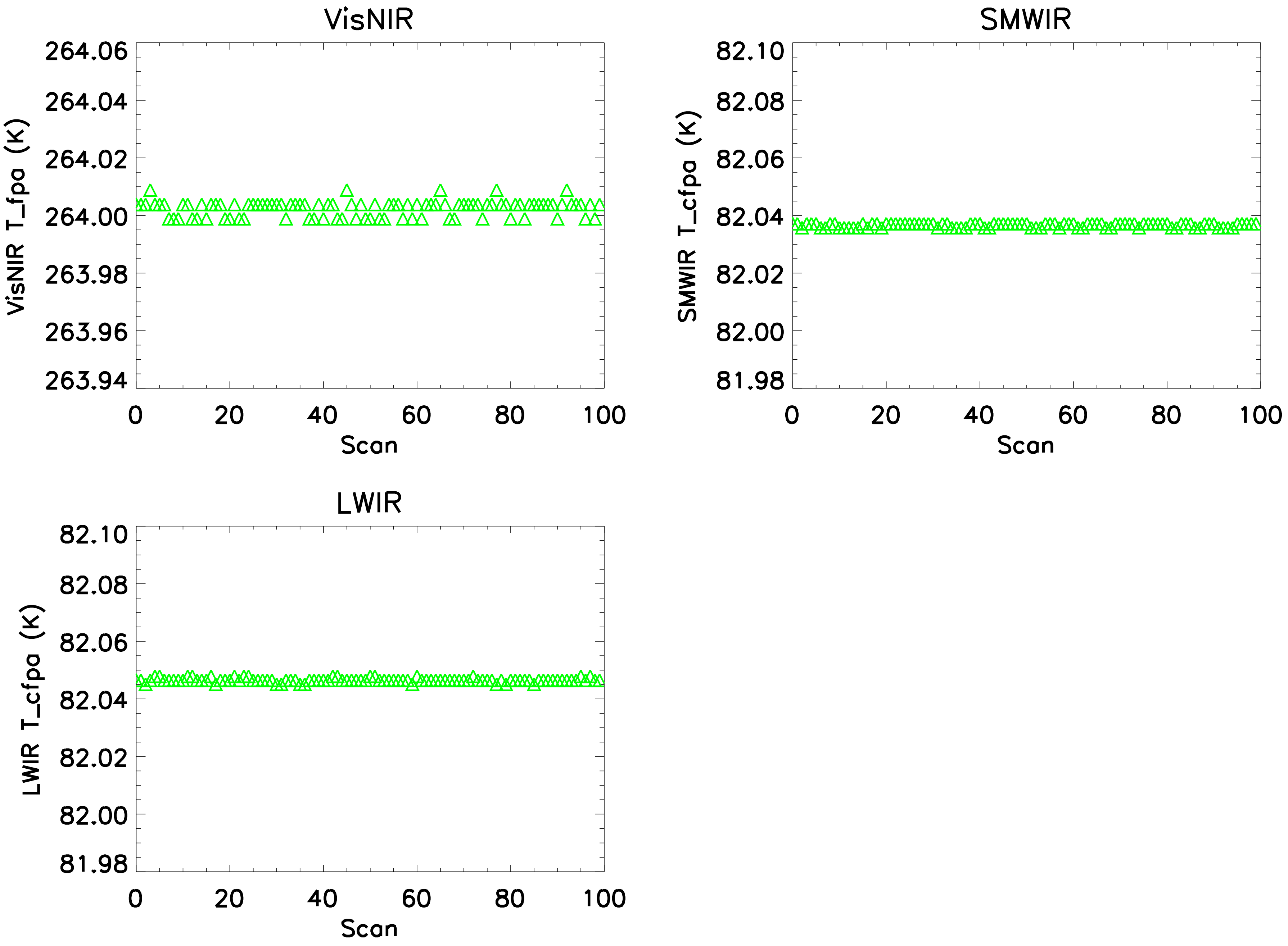


 T_cpfa vs Scan: Collect=1

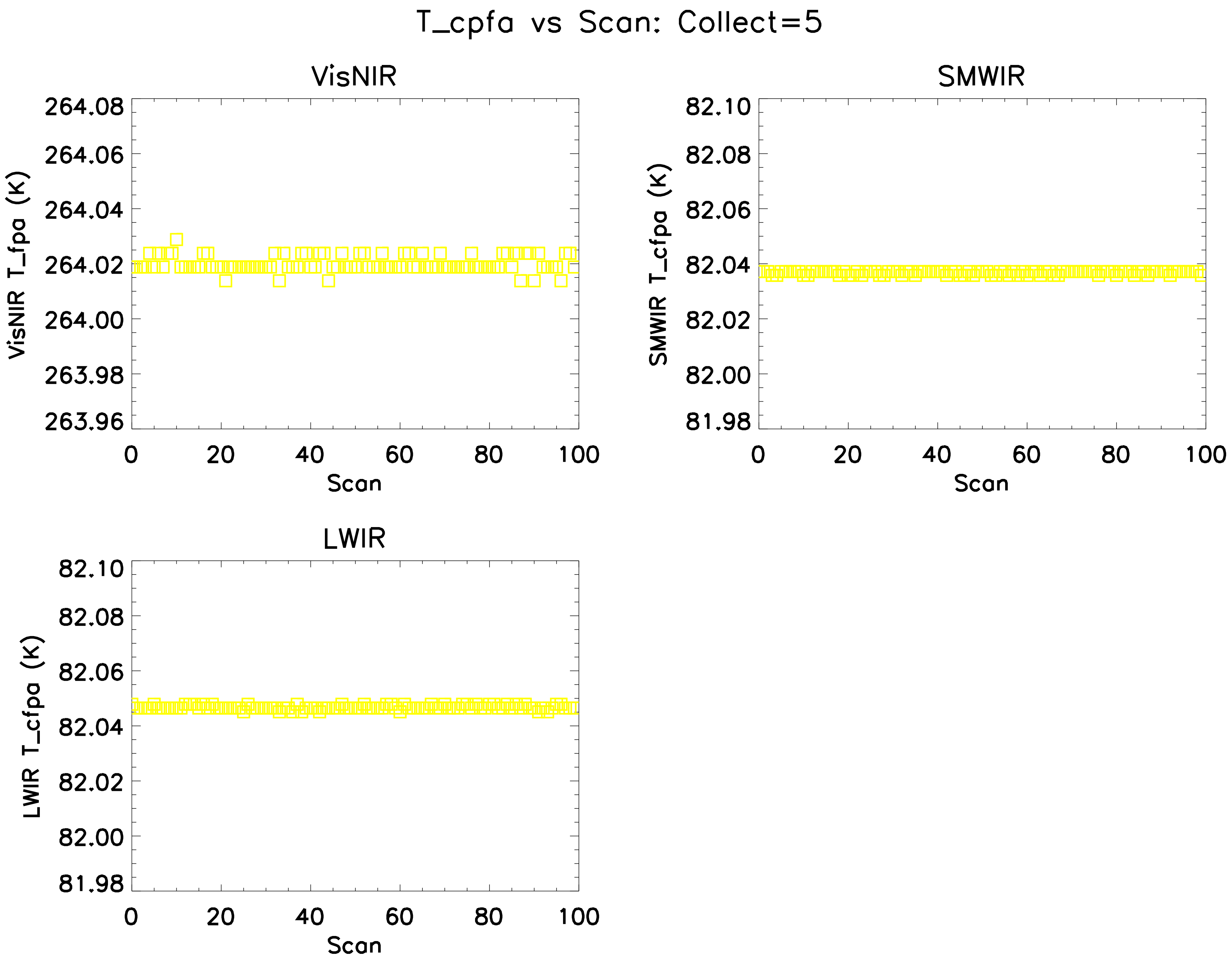
T_cpfa vs Scan: Collect=2

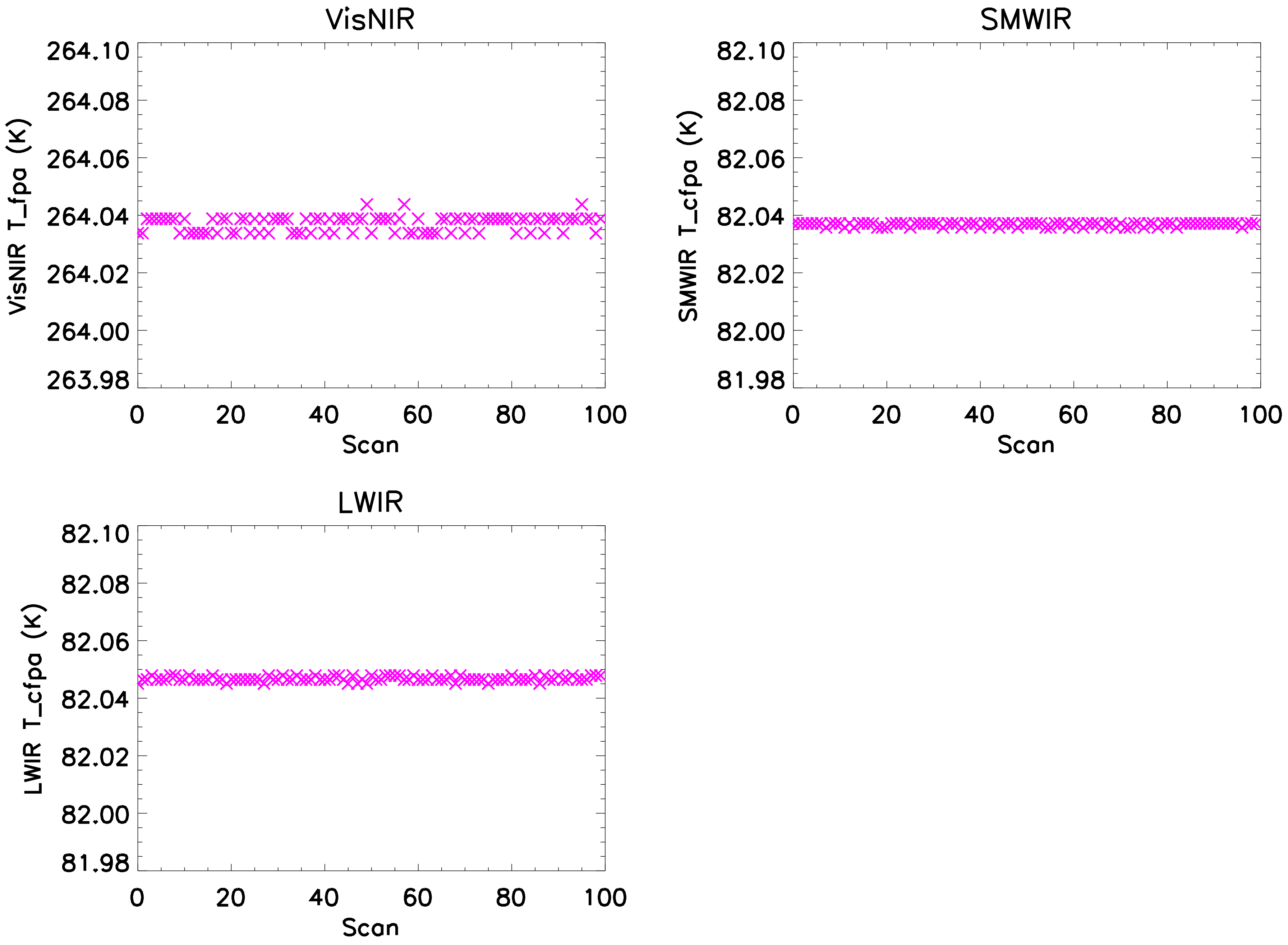



T_cpfa vs Scan: Collect=3
VisNIR
VisNIR T_fpa (K)
264.04
264.02
264.00
263.98
263.96
263.94
263.92
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
20
40
60
80
100
Scan



T_cpfa vs Scan: Collect=4

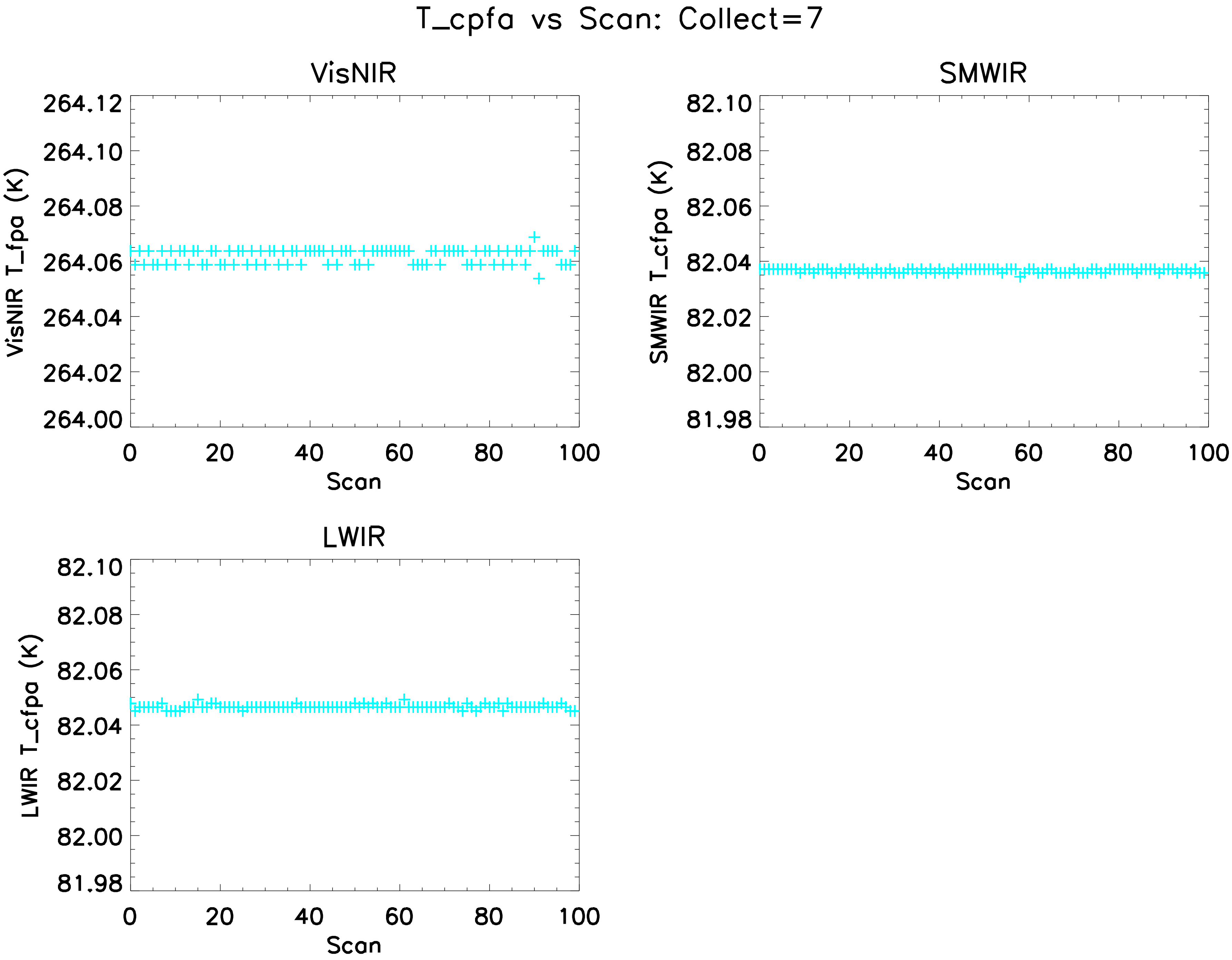

T_cpfa vs Scan: Collect=5
VisNIR
VisNIR T_fpa (K)
264.08
264.06
264.04
264.02
264.00
263.98
263.96
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
20
40
60
80
100
Scan

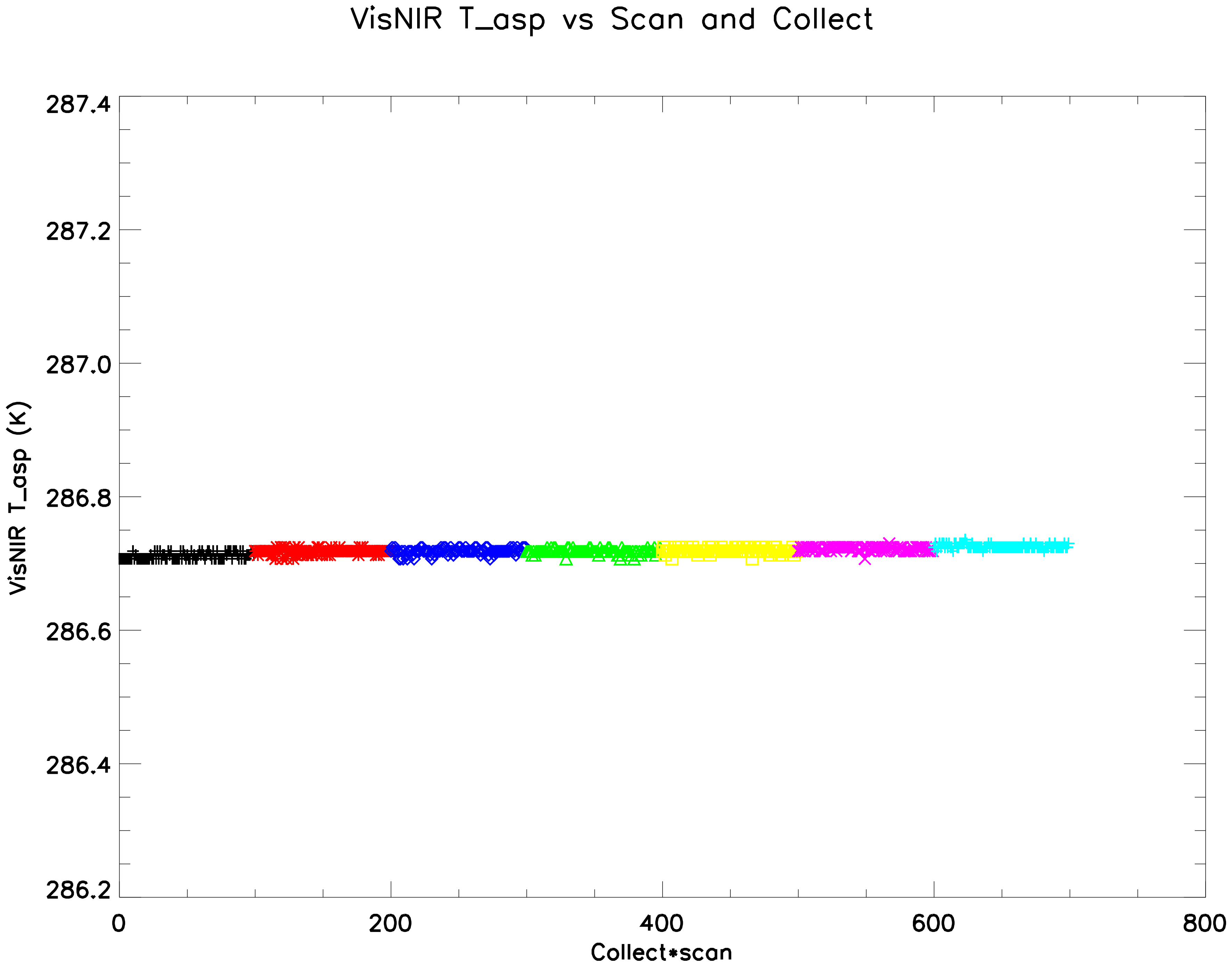

T_cpfa vs Scan: Collect=6

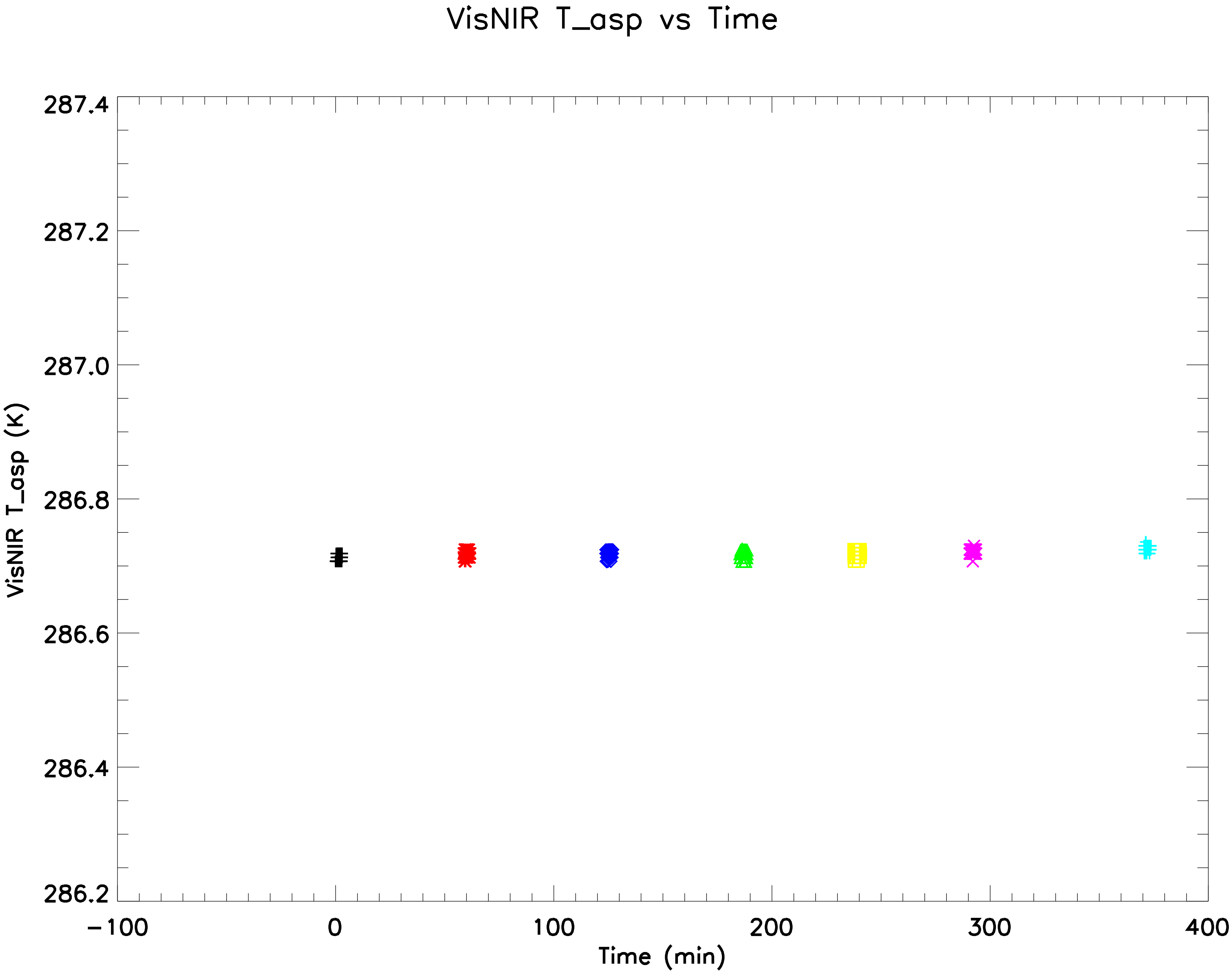
VisNIR

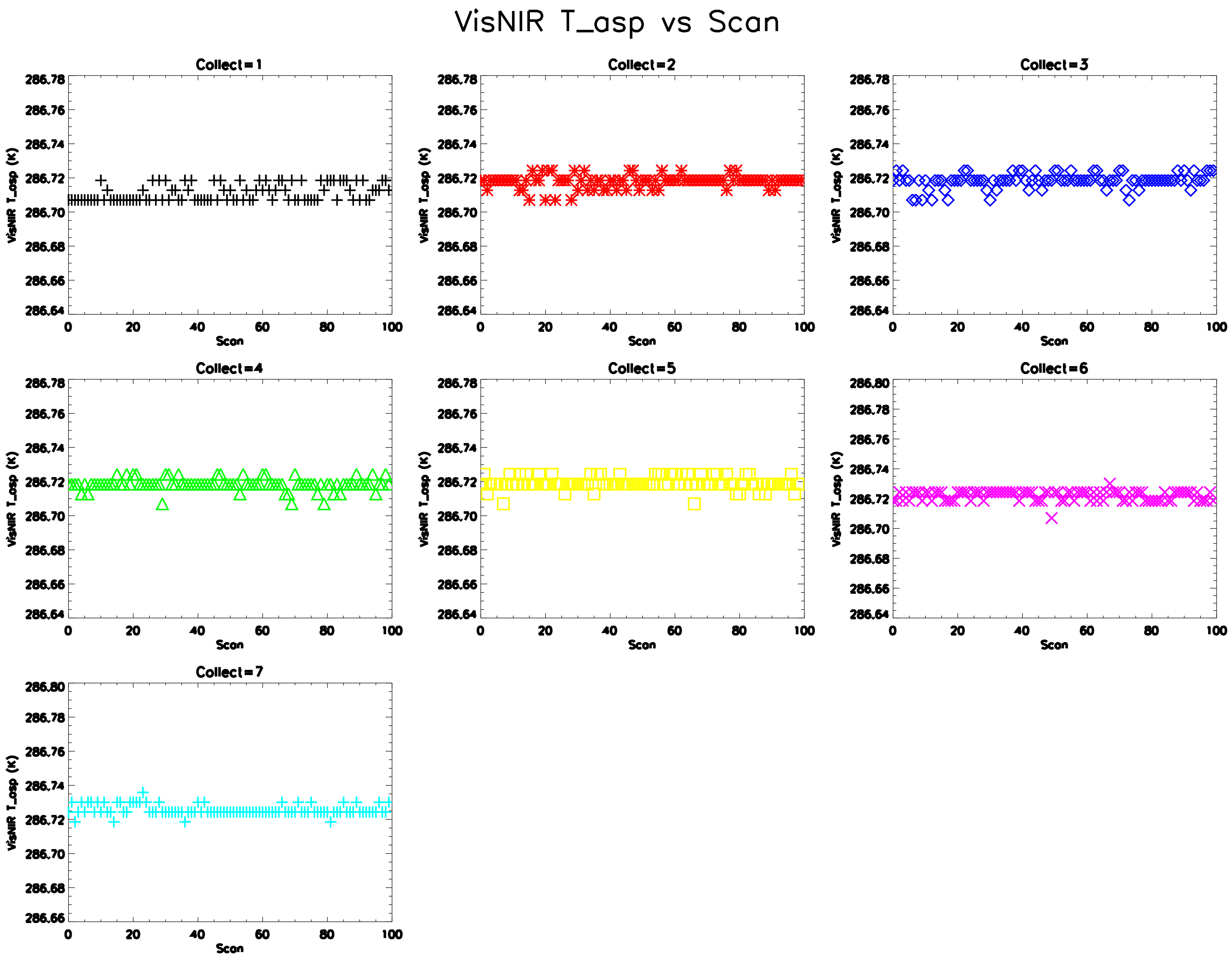
SMWIR

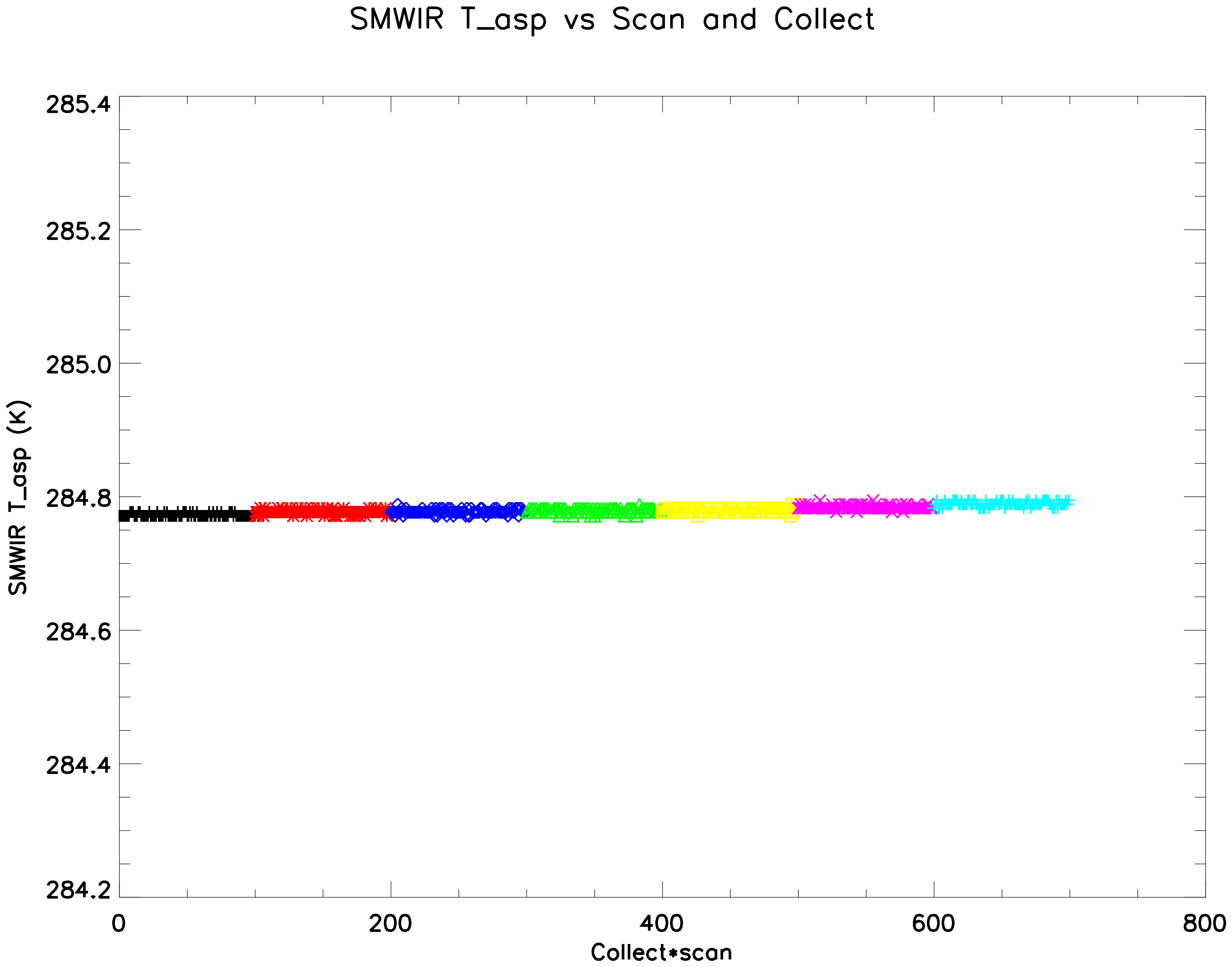
LWIR

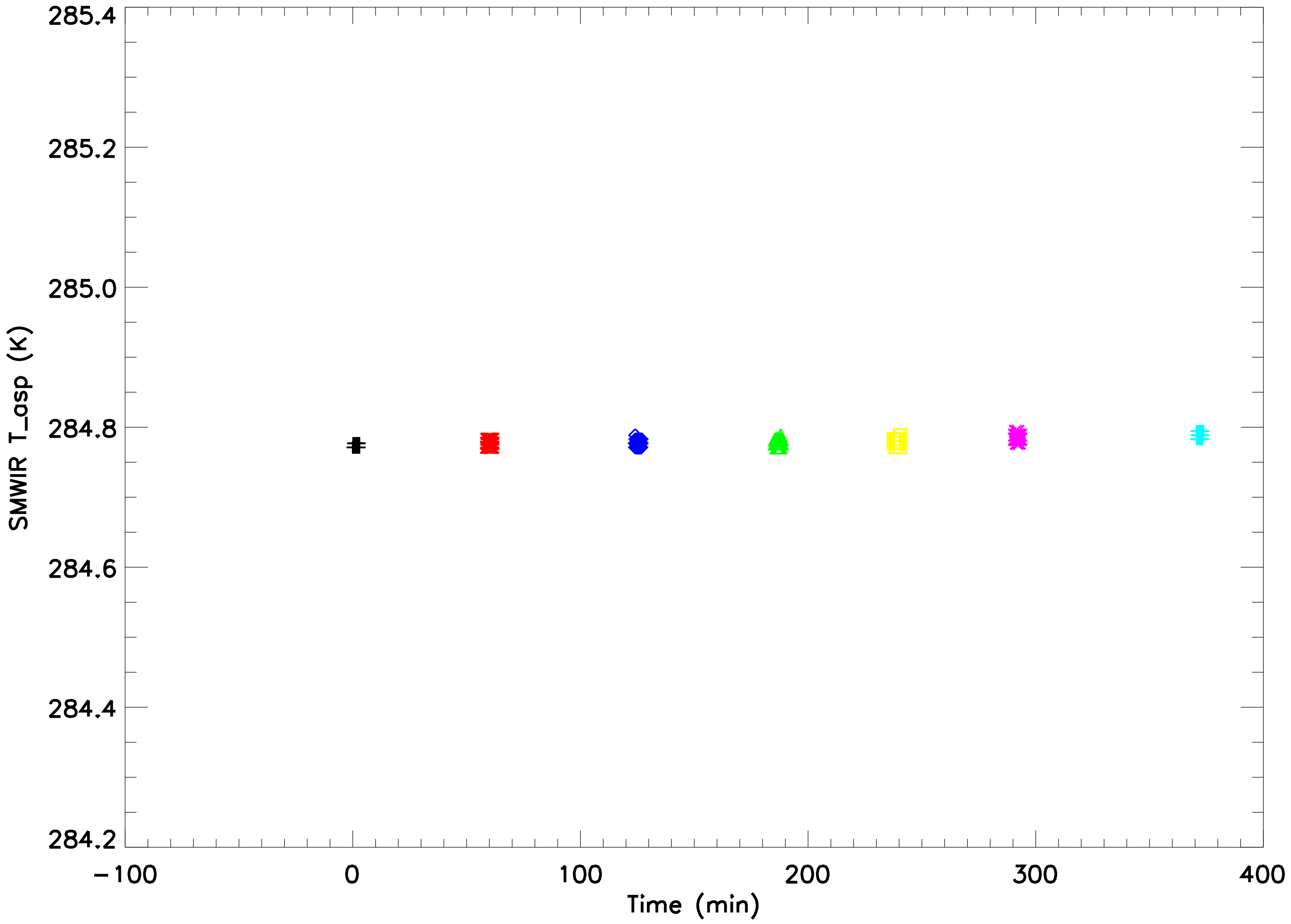

T_cpfa vs Scan: Collect=7
VisNIR
VisNIR T_fpa (K)
264.12
264.10
264.08
264.06
264.04
264.02
264.00
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
20
40
60
80
100
Scan

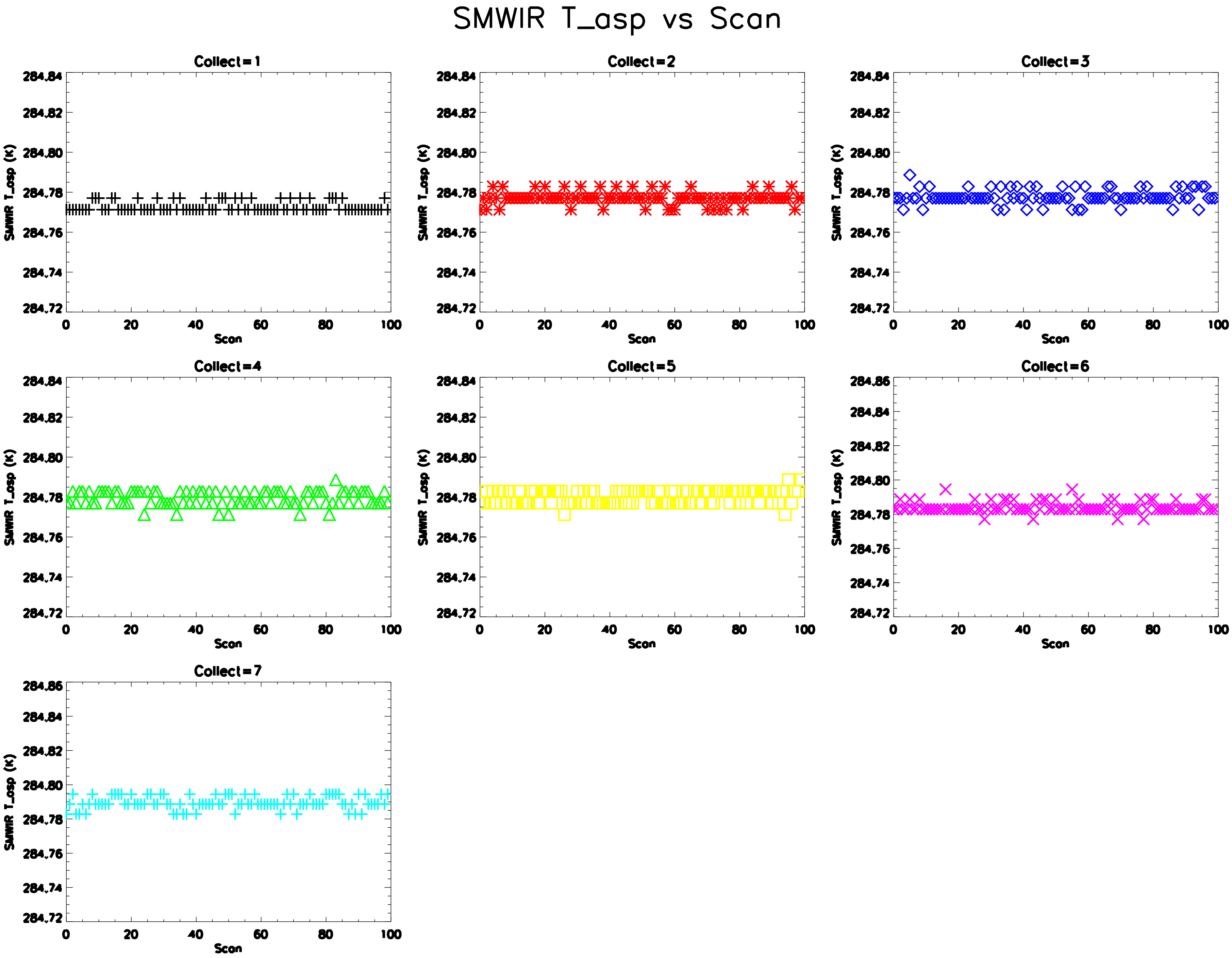

VisNIR T_asp vs Scan and Collect
VisNIR T_asp (K)
287.4
287.2
287.0
286.8
286.6
286.4
286.2
0
200
400
600
800
Collect*scan

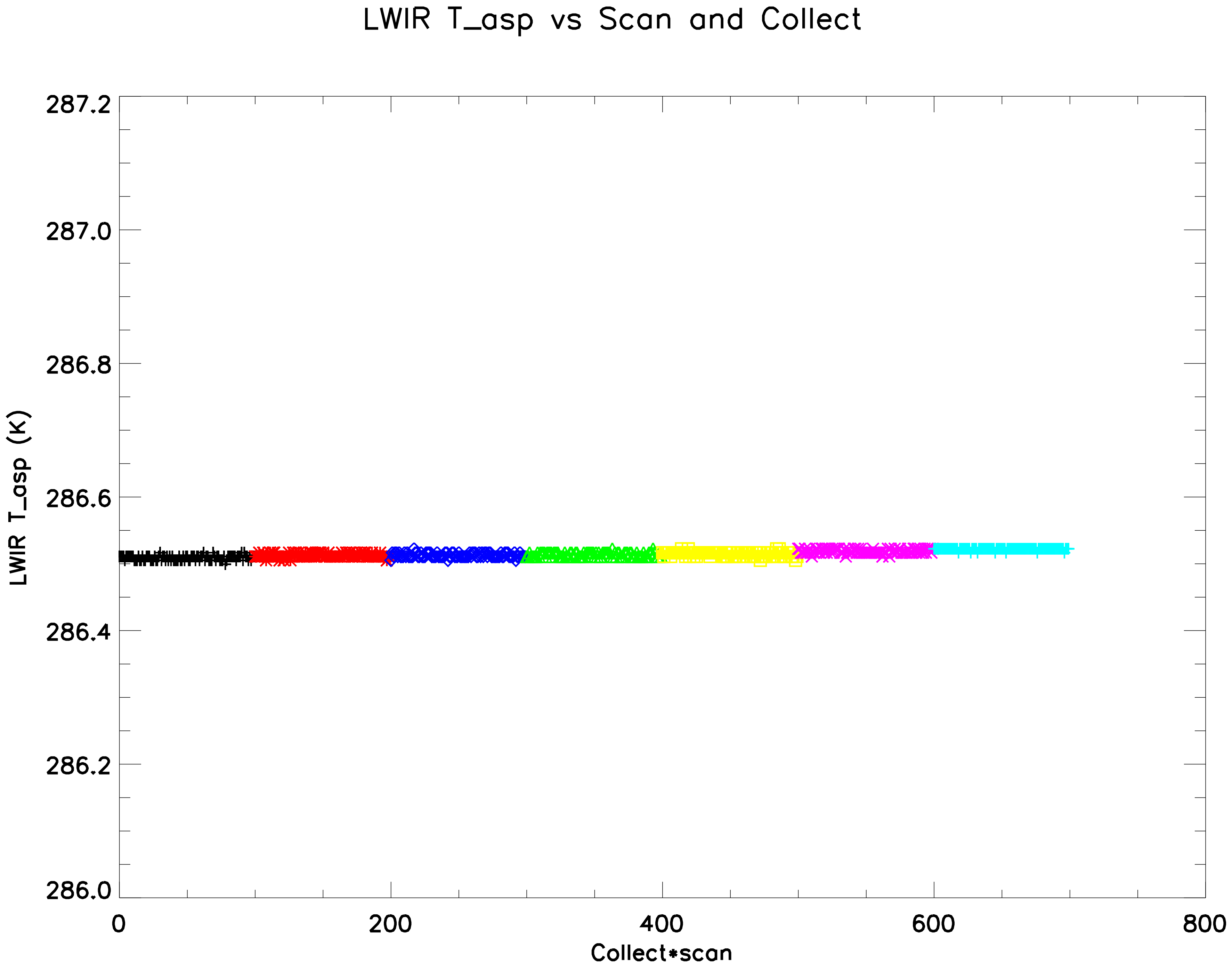

VisNIR T_asp vs Time
VisNIR T_asp (K)
287.4
287.2
287.0
286.8
286.6
286.4
286.2
−100
0
100
200
300
400
Time (min)

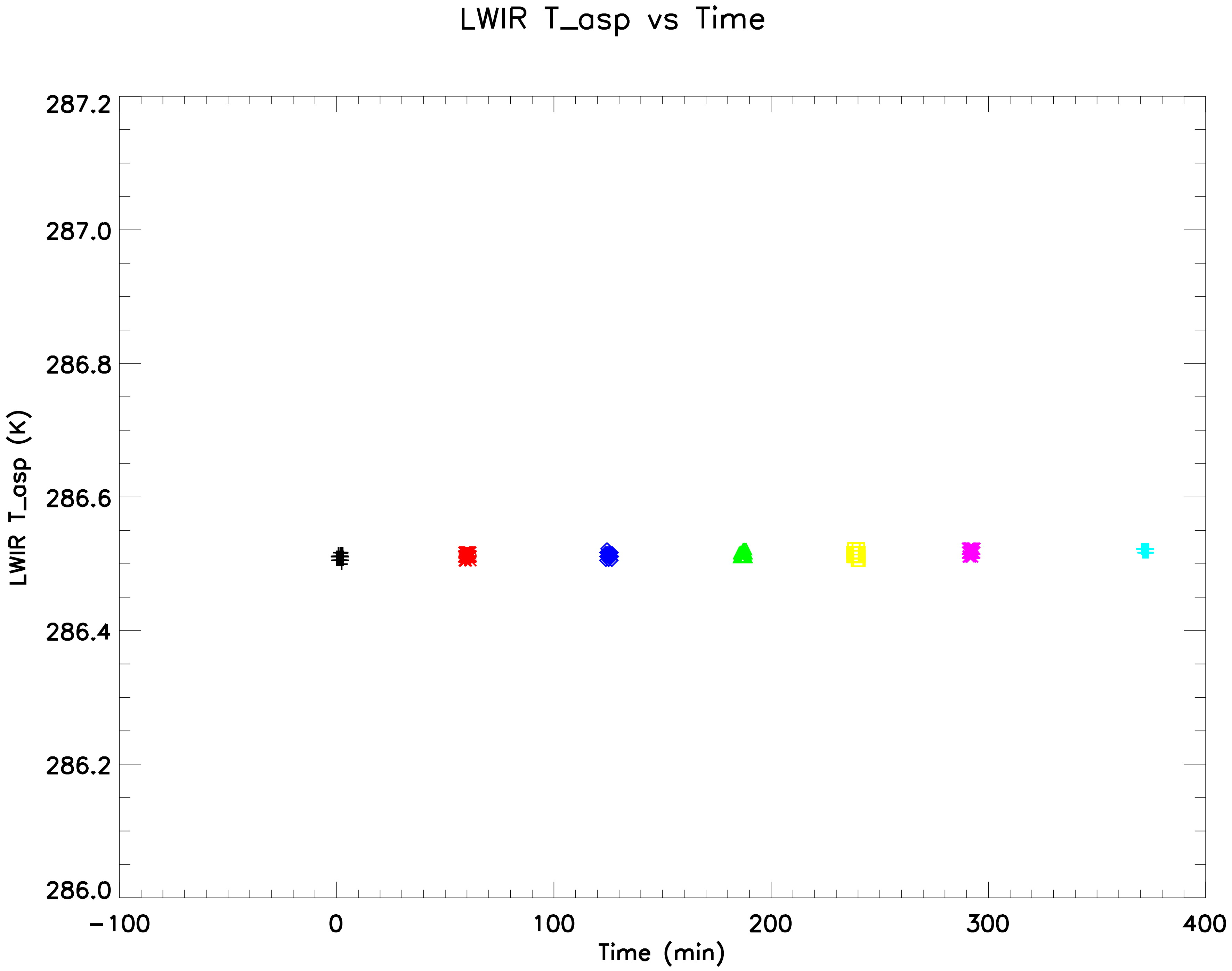

VisNIR T_asp vs Scan
Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
VisNIR T_asp (K)
Scan
0
20
40
60
80
100
286.64
286.66
286.68
286.70
286.72
286.74
286.76
286.78
286.80


SMWIR T_asp vs Scan and Collect
SMWIR T_asp (K)
285.4
285.2
285.0
284.8
284.6
284.4
284.2
0
200
400
600
800
Collect*scan

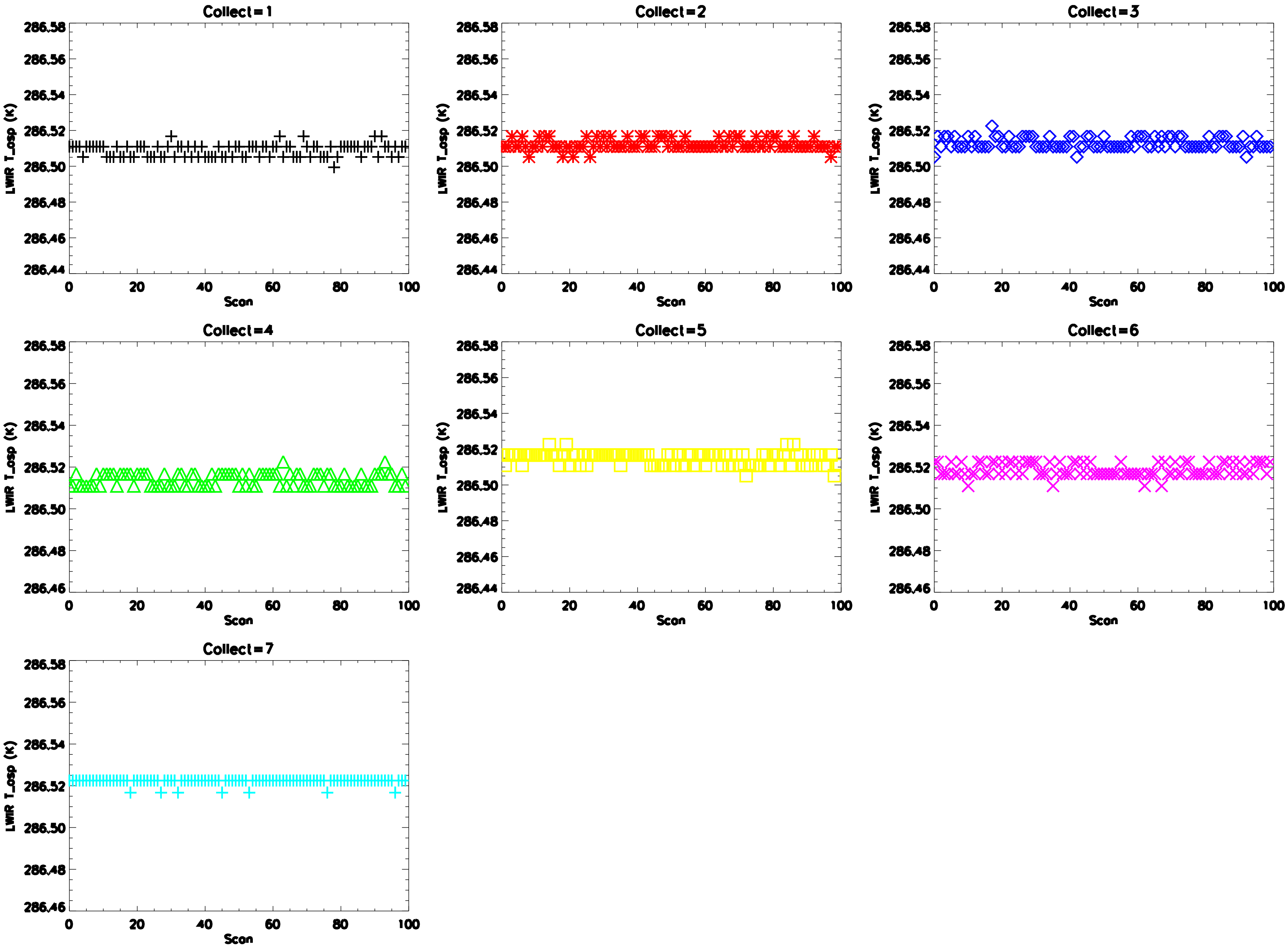

SMWIR T_asp vs Time


SMWIR T_asp vs Scan
Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
SMWIR T_asp (K)
Scan
0
20
40
60
80
100
284.72
284.74
284.76
284.78
284.80
284.82
284.84
284.86


LWIR T_asp vs Scan and Collect
LWIR T_asp (K)
287.2
287.0
286.8
286.6
286.4
286.2
286.0
0
200
400
600
800
Collect*scan

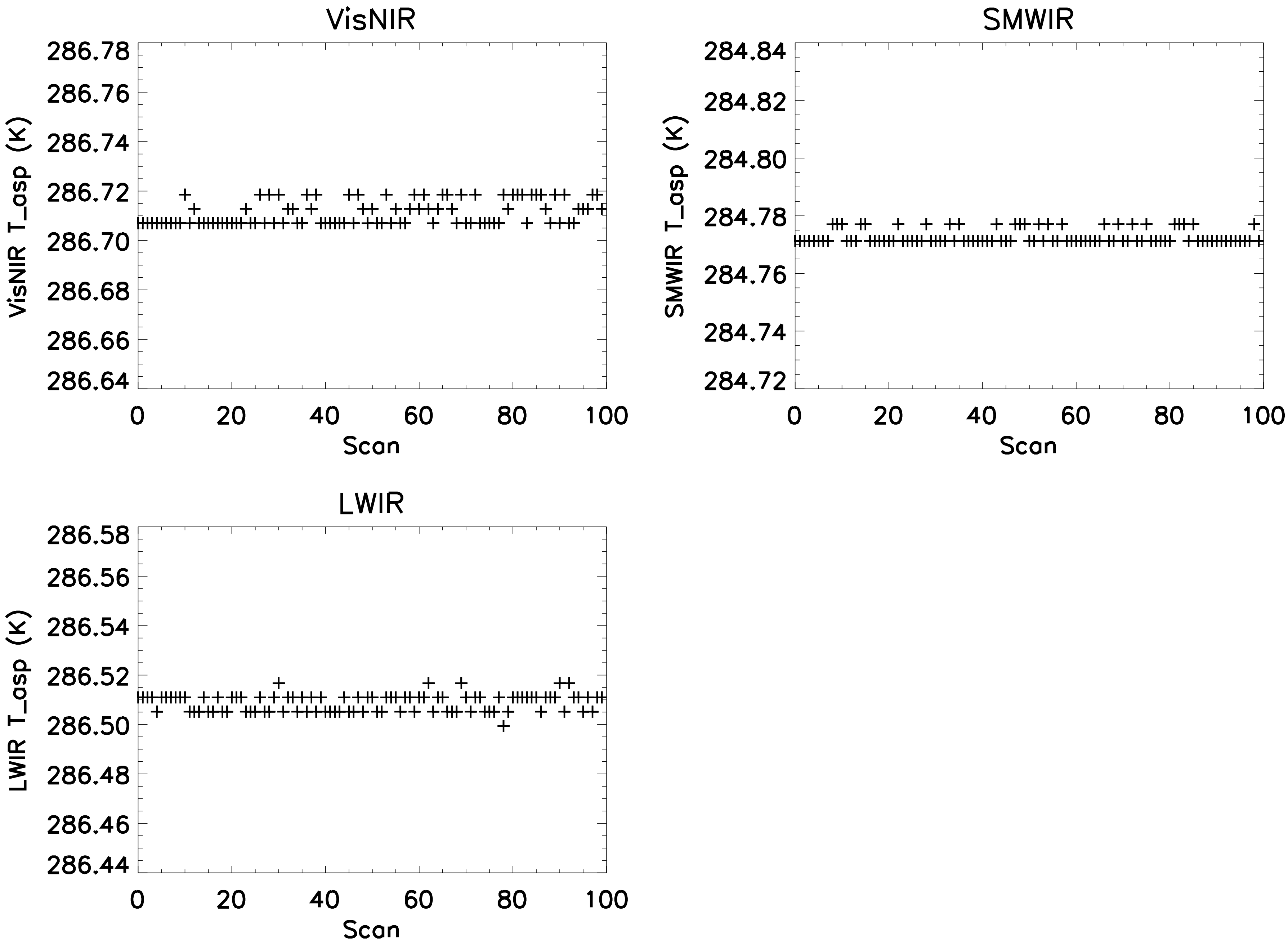


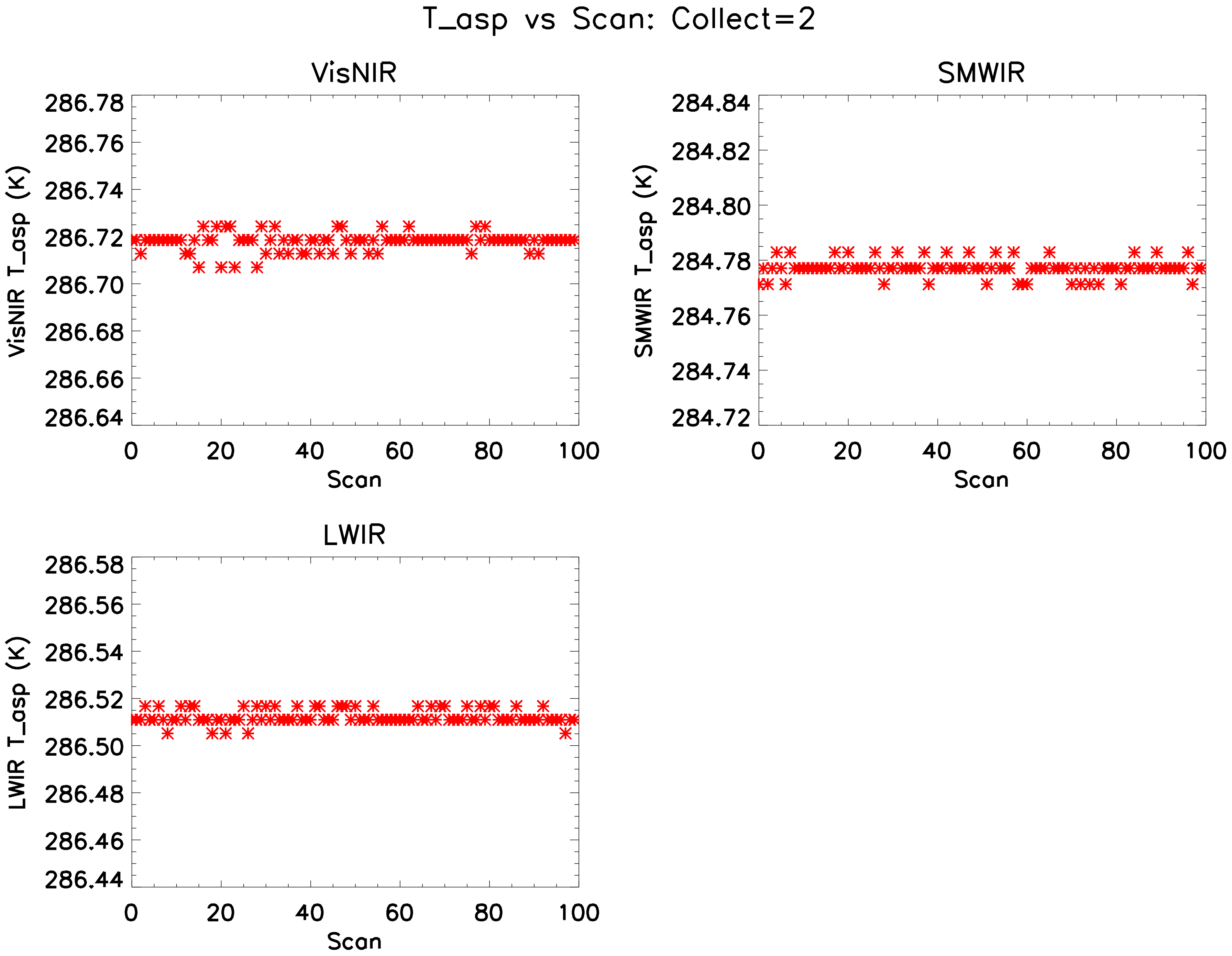
LWIR T_asp vs Time



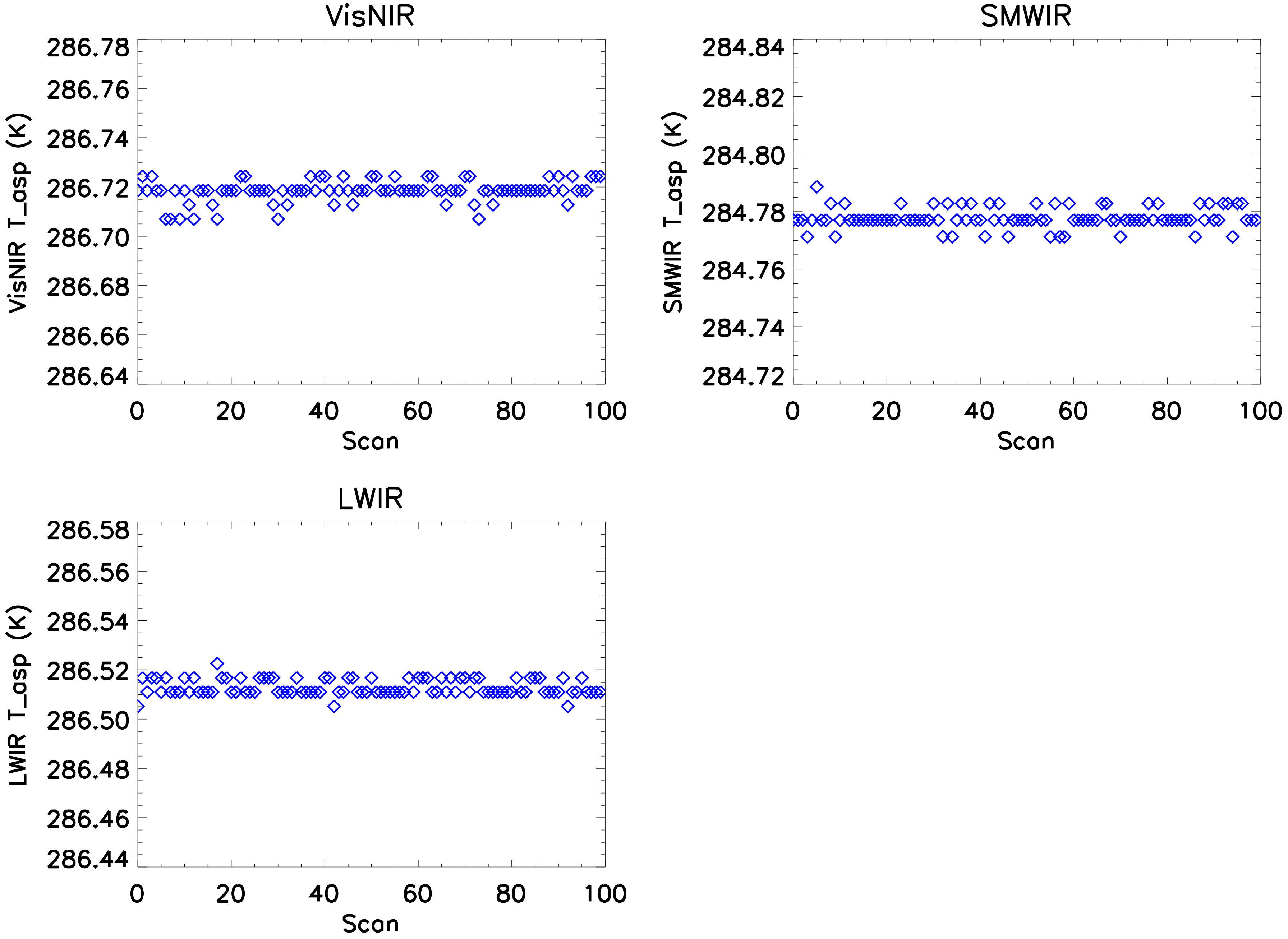
LWIR T_asp vs Scan

T_asp vs Scan: Collect=1

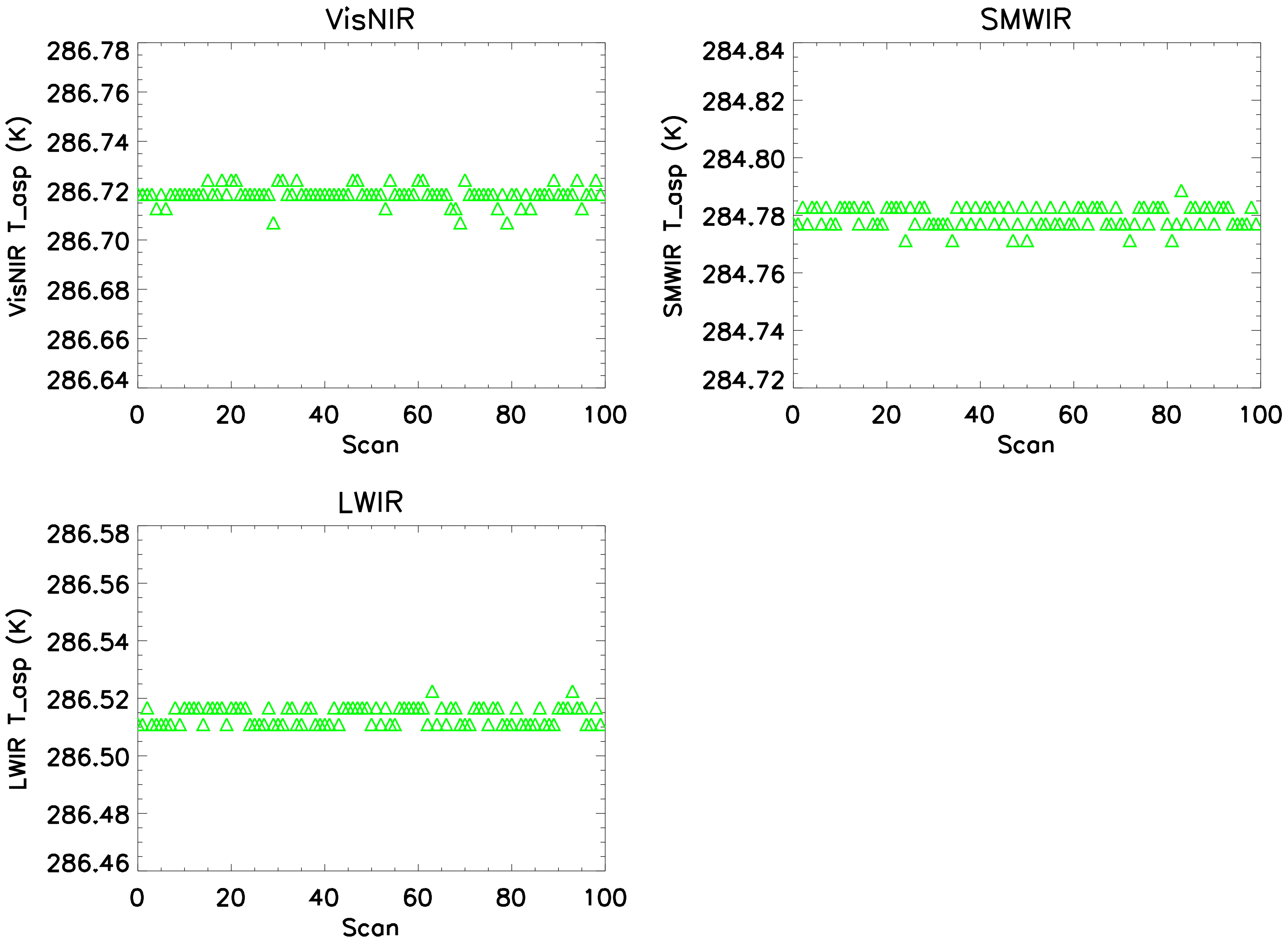



T_asp vs Scan: Collect=2
VisNIR
VisNIR T_asp (K)
286.78
286.76
286.74
286.72
286.70
286.68
286.66
286.64
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
284.84
284.82
284.80
284.78
284.76
284.74
284.72
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
286.58
286.56
286.54
286.52
286.50
286.48
286.46
286.44
0
20
40
60
80
100
Scan

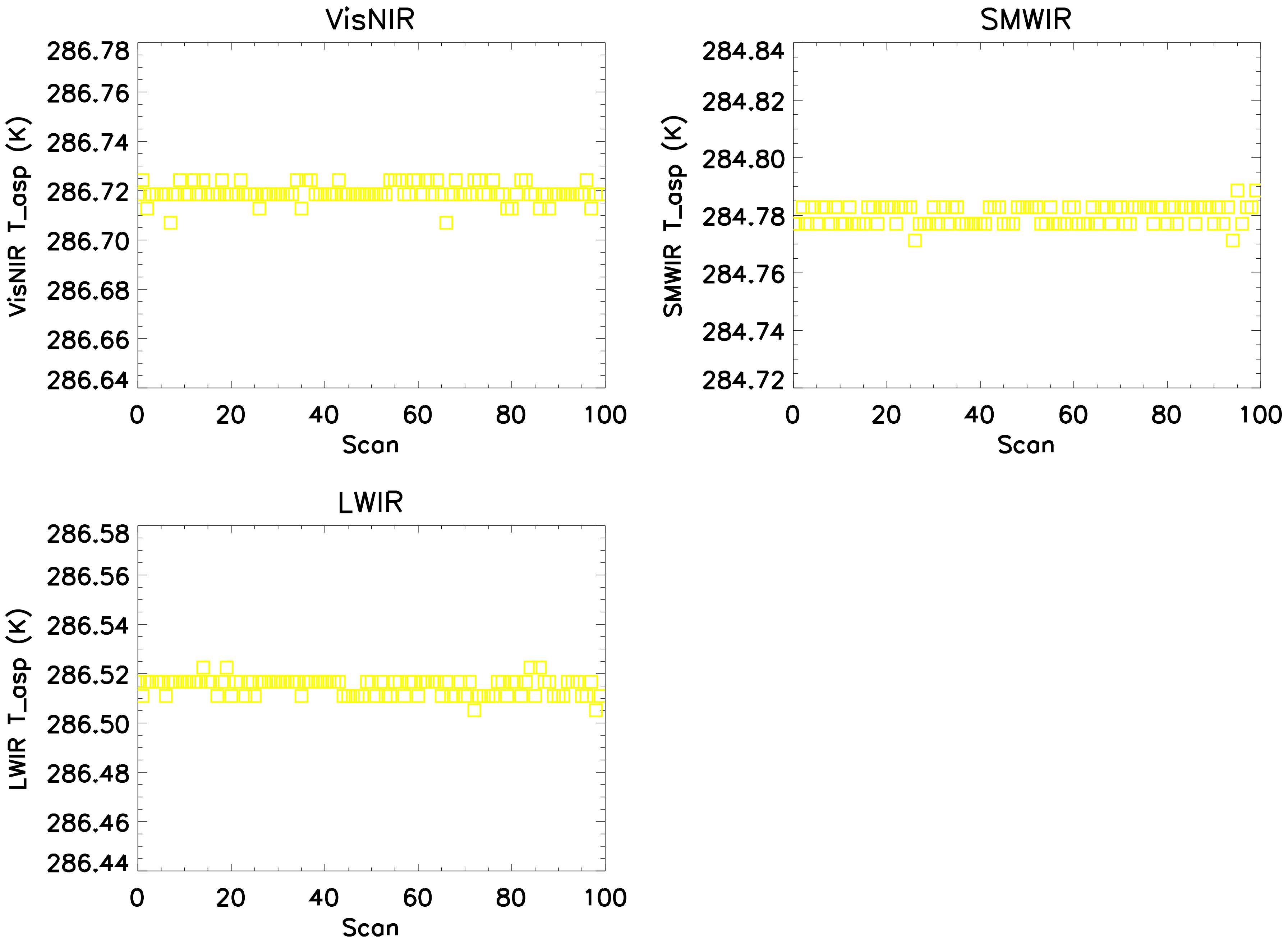
T_asp vs Scan: Collect=3

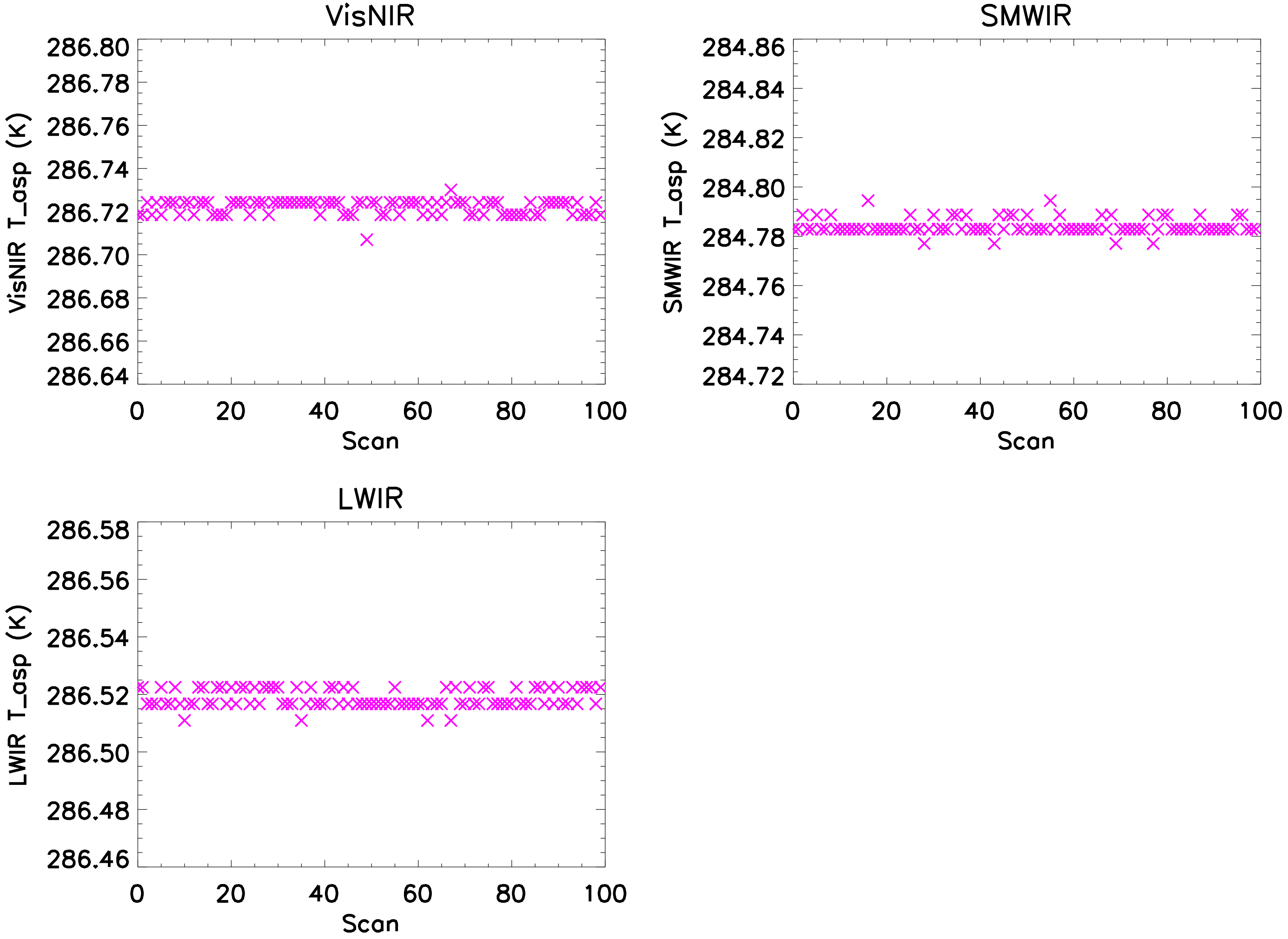


T_asp vs Scan: Collect=4

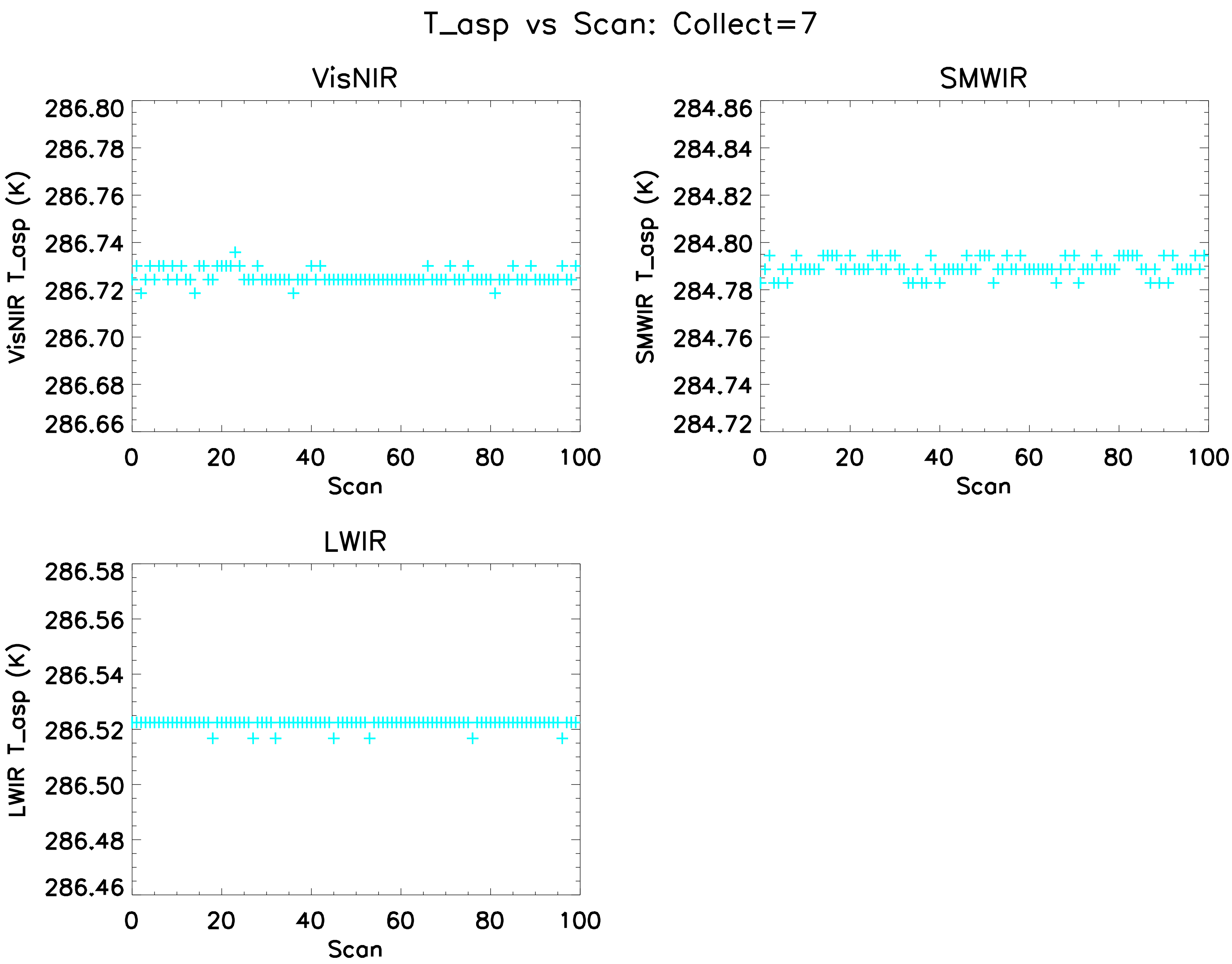


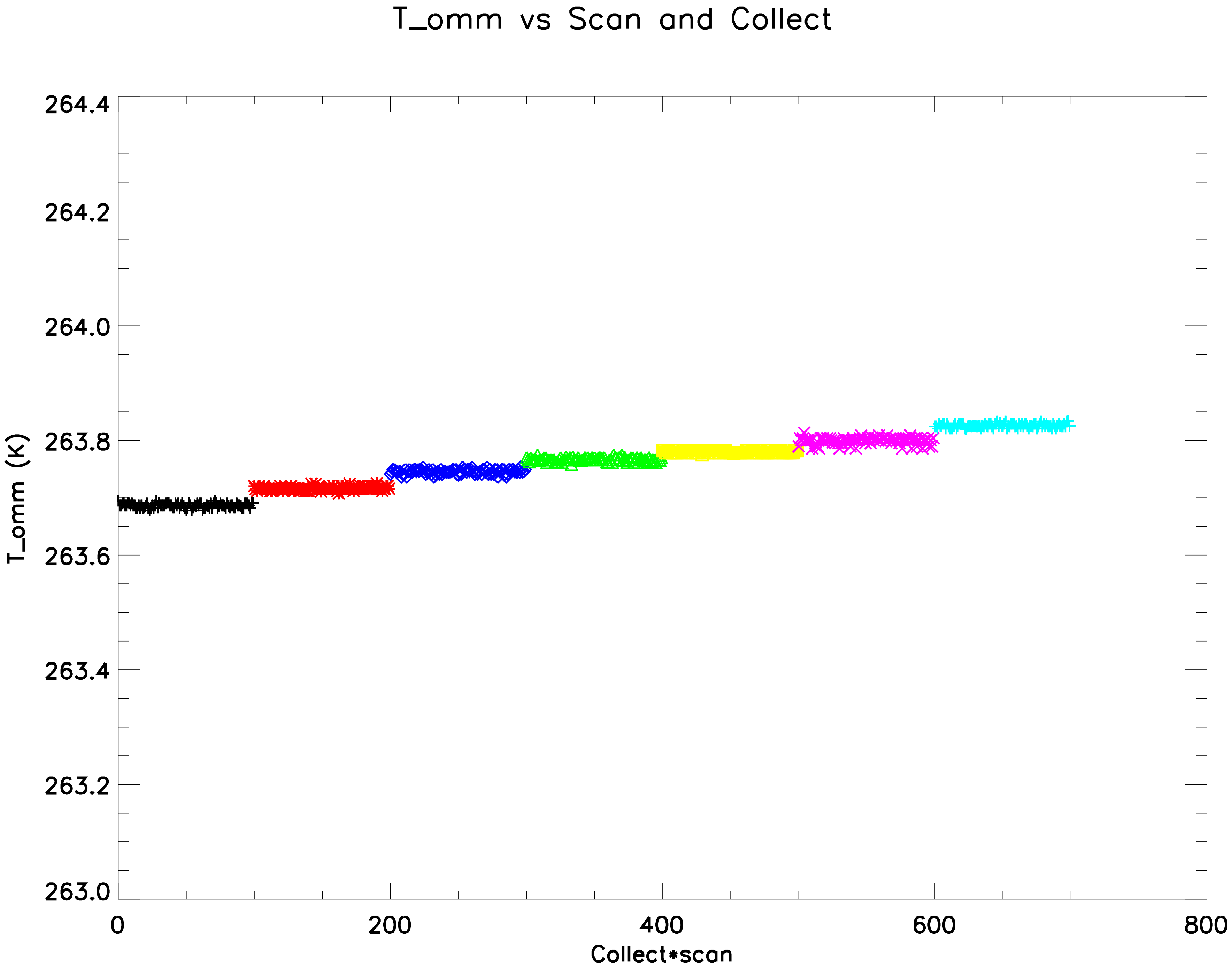
T_asp vs Scan: Collect=5

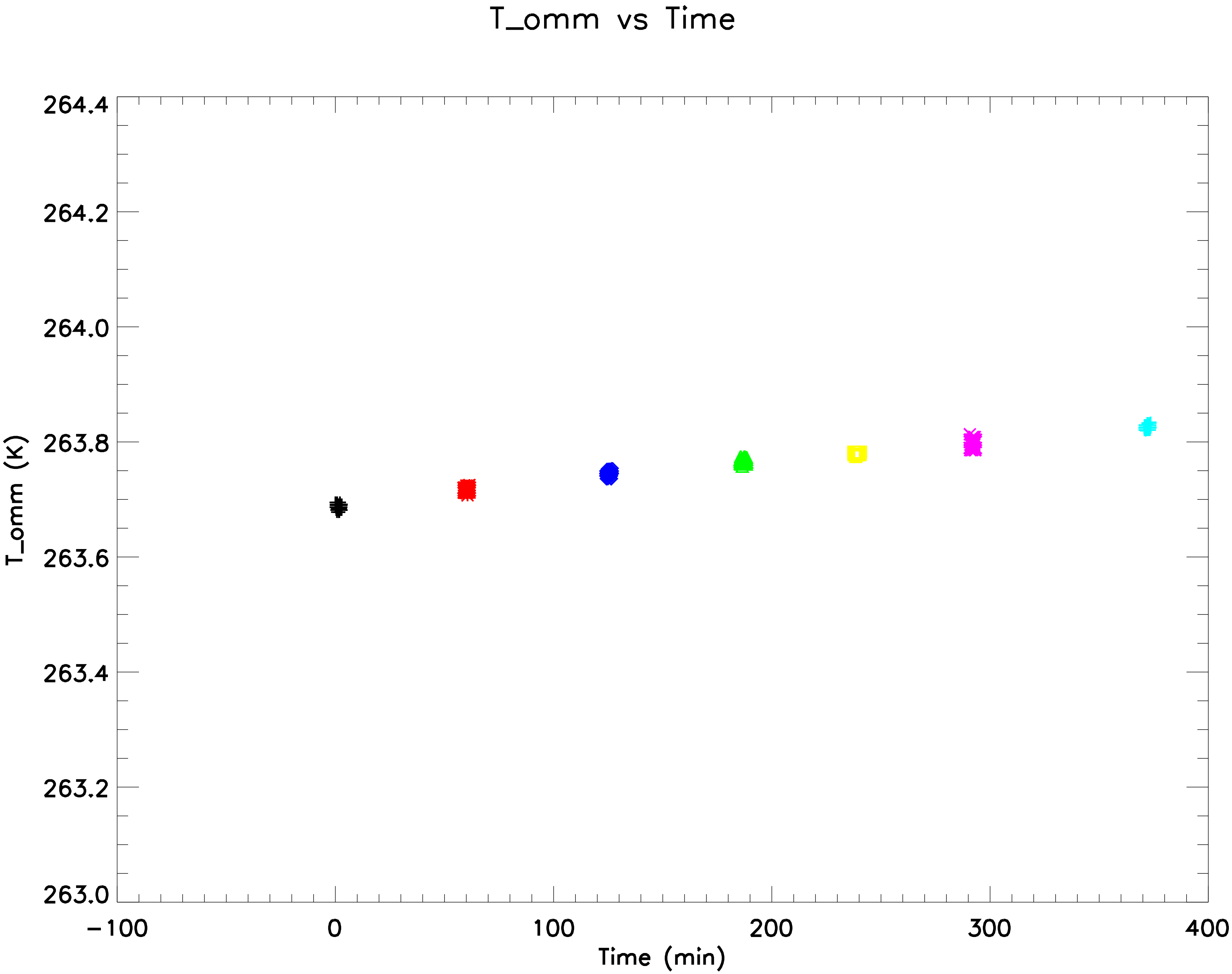




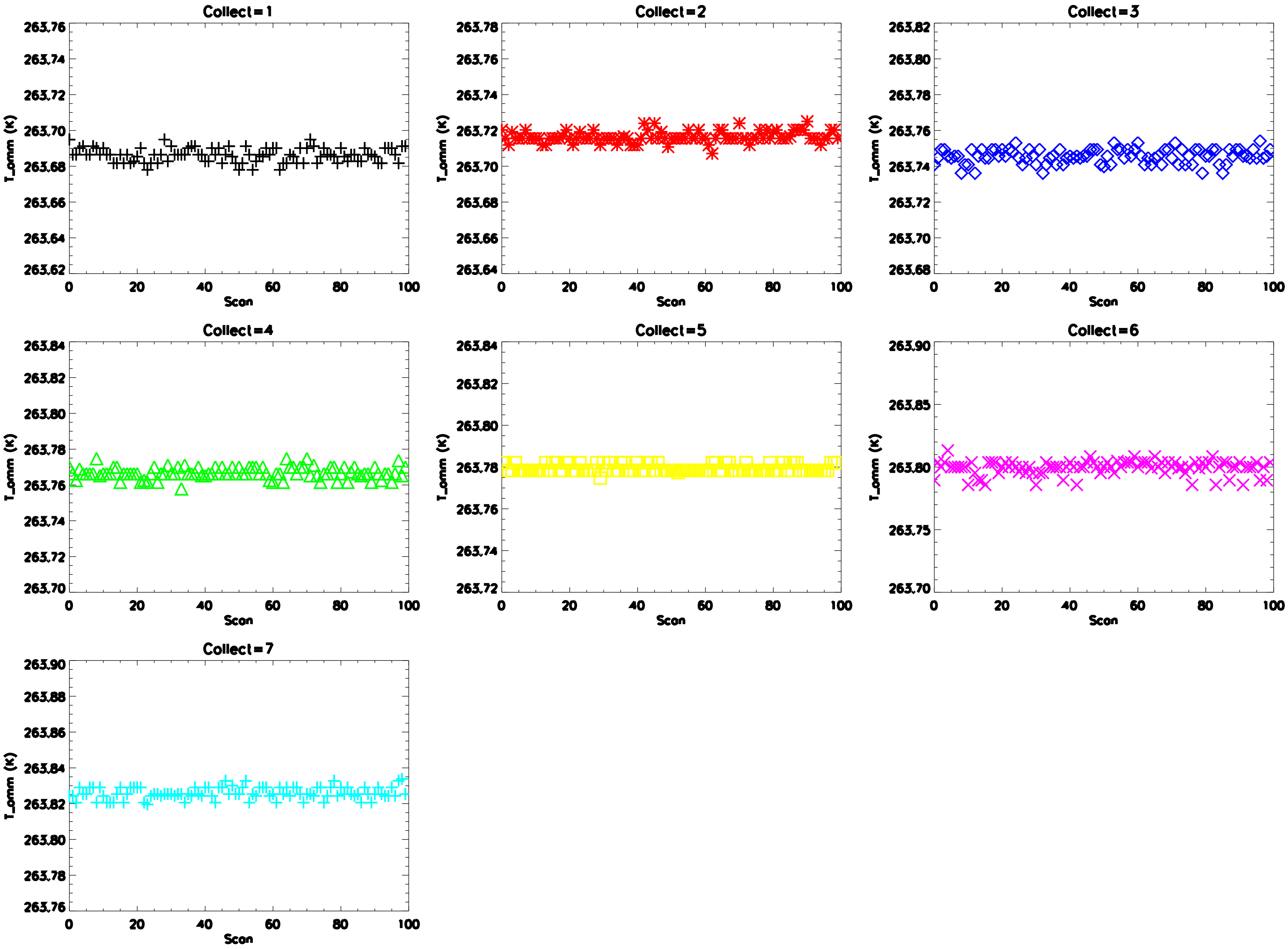
T_asp vs Scan: Collect=6


T_asp vs Scan: Collect=7
VisNIR
VisNIR T_asp (K)
286.80
286.78
286.76
286.74
286.72
286.70
286.68
286.66
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
284.86
284.84
284.82
284.80
284.78
284.76
284.74
284.72
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
286.58
286.56
286.54
286.52
286.50
286.48
286.46
0
20
40
60
80
100
Scan


T_omm vs Scan and Collect
T_omm (K)
264.4
264.2
264.0
263.8
263.6
263.4
263.2
263.0
0
200
400
600
800
Collect*scan


T_omm vs Time
T_omm (K)
264.4
264.2
264.0
263.8
263.6
263.4
263.2
263.0
−100
0
100
200
300
400
Time (min)

T_omm vs Scan


Collect=1
263.76
263.74
263.72
263.70
263.68
263.66
263.64
263.62
T_omm (K)
0
20
40
60
80
100
Scan
Collect=2
263.78
263.76
263.74
263.72
263.70
263.68
263.66
263.64
T_omm (K)
0
20
40
60
80
100
Scan
Collect=3
263.82
263.80
263.78
263.76
263.74
263.72
263.70
263.68
T_omm (K)
0
20
40
60
80
100
Scan
Collect=4
263.84
263.82
263.80
263.78
263.76
263.74
263.72
263.70
T_omm (K)
0
20
40
60
80
100
Scan
Collect=5
263.84
263.82
263.80
263.78
263.76
263.74
263.72
T_omm (K)
0
20
40
60
80
100
Scan
Collect=6
263.90
263.85
263.80
263.75
263.70
T_omm (K)
0
20
40
60
80
100
Scan
Collect=7
263.90
263.88
263.86
263.84
263.82
263.80
263.78
263.76
T_omm (K)
0
20
40
60
80
100
Scan