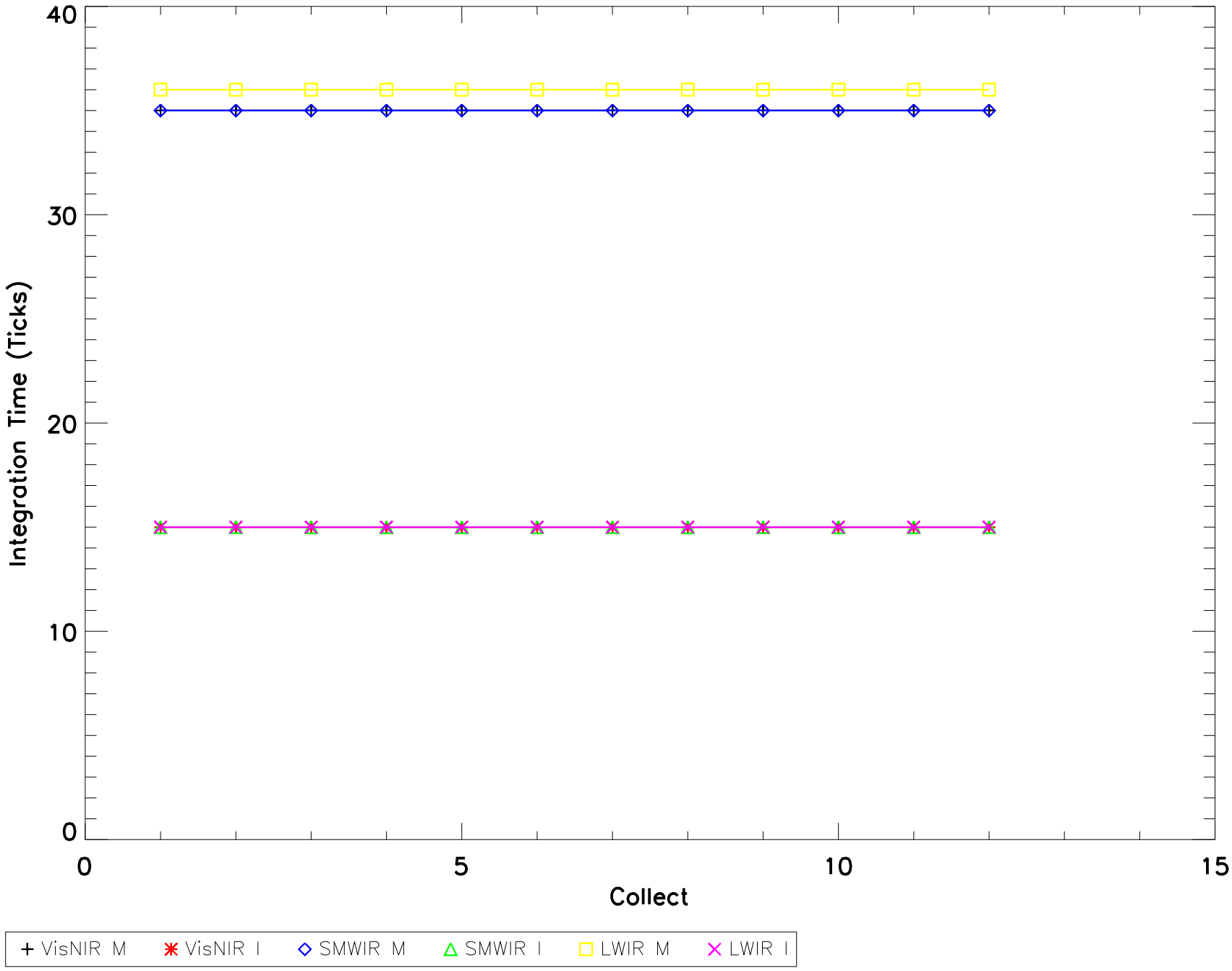
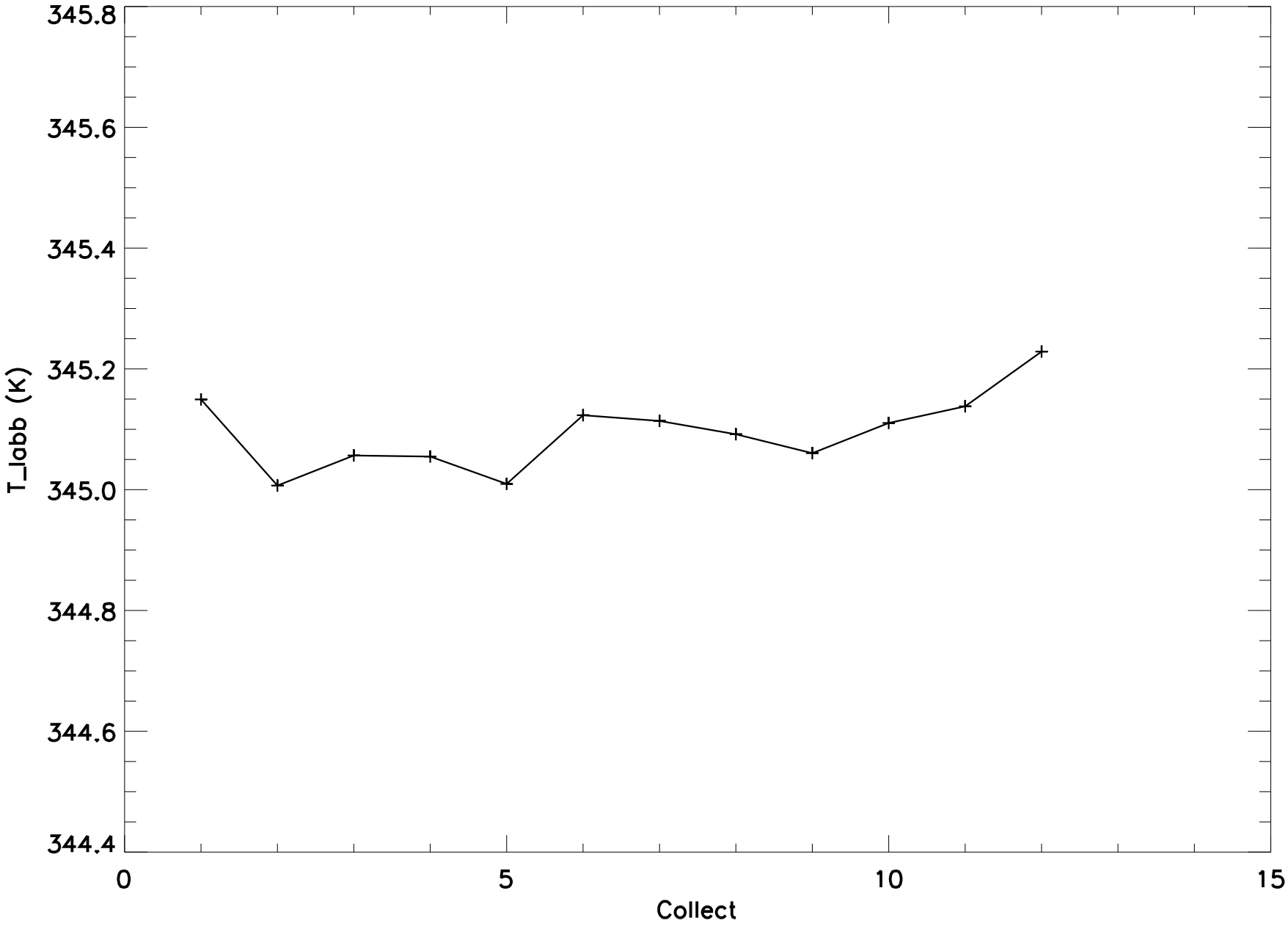
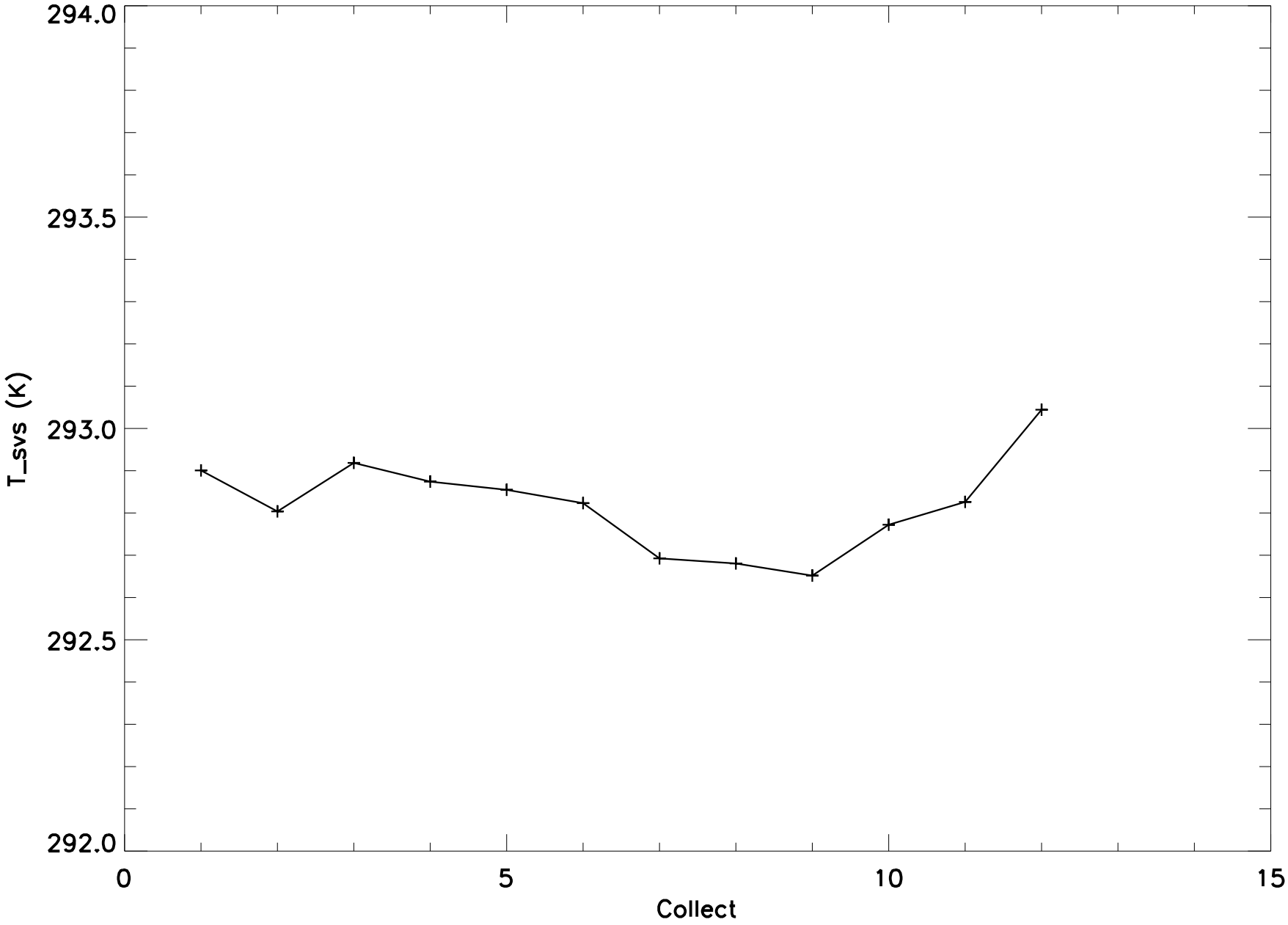
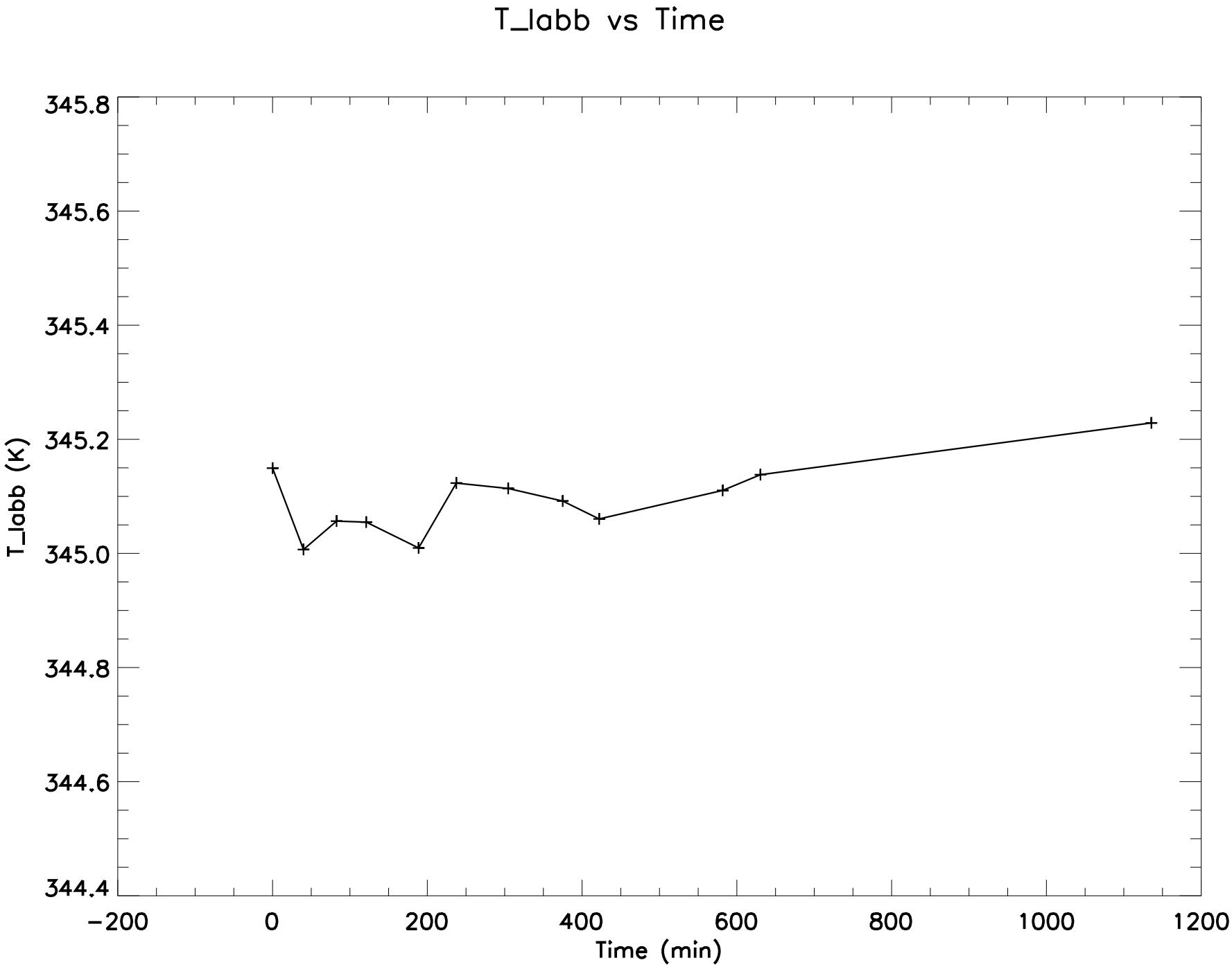
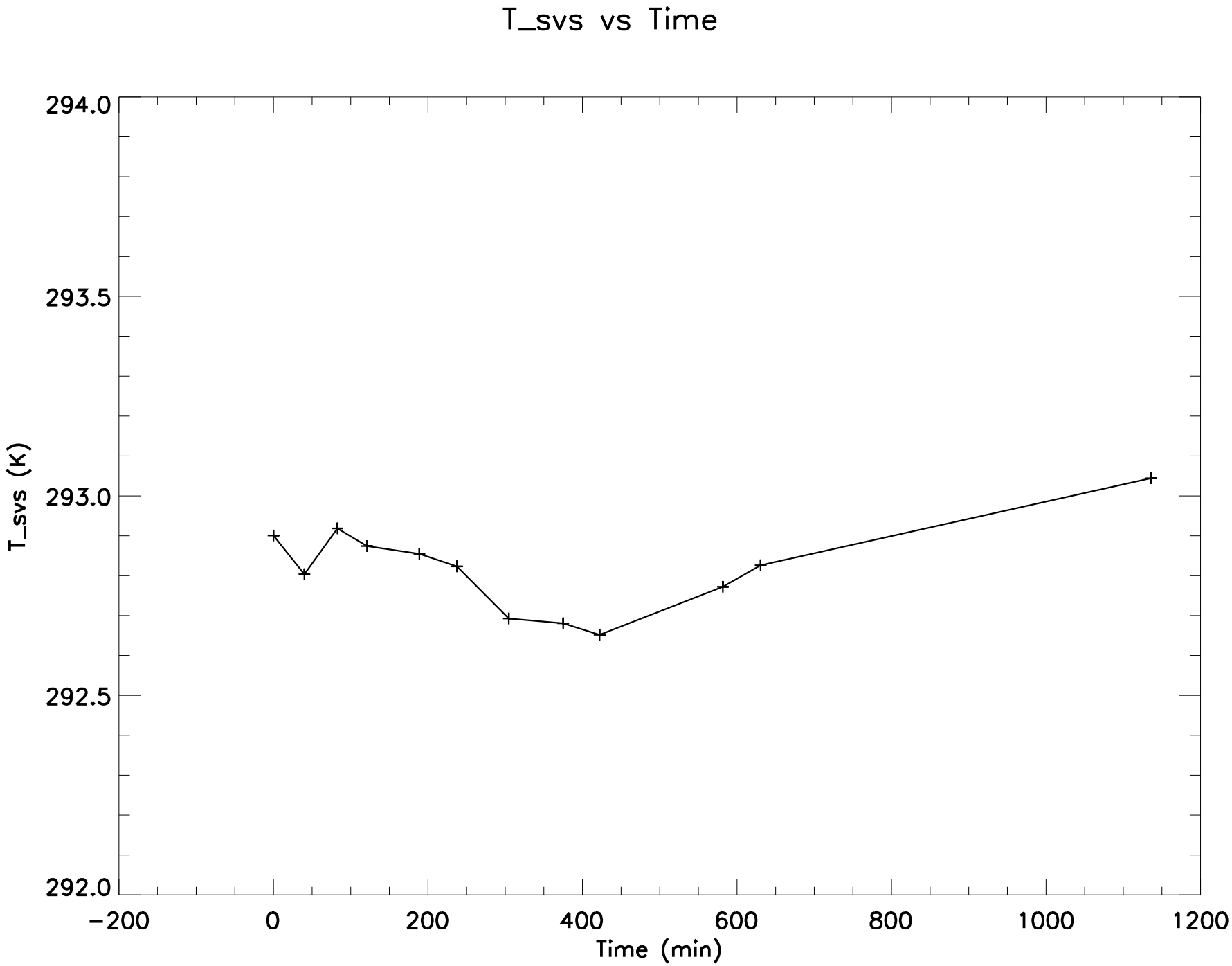
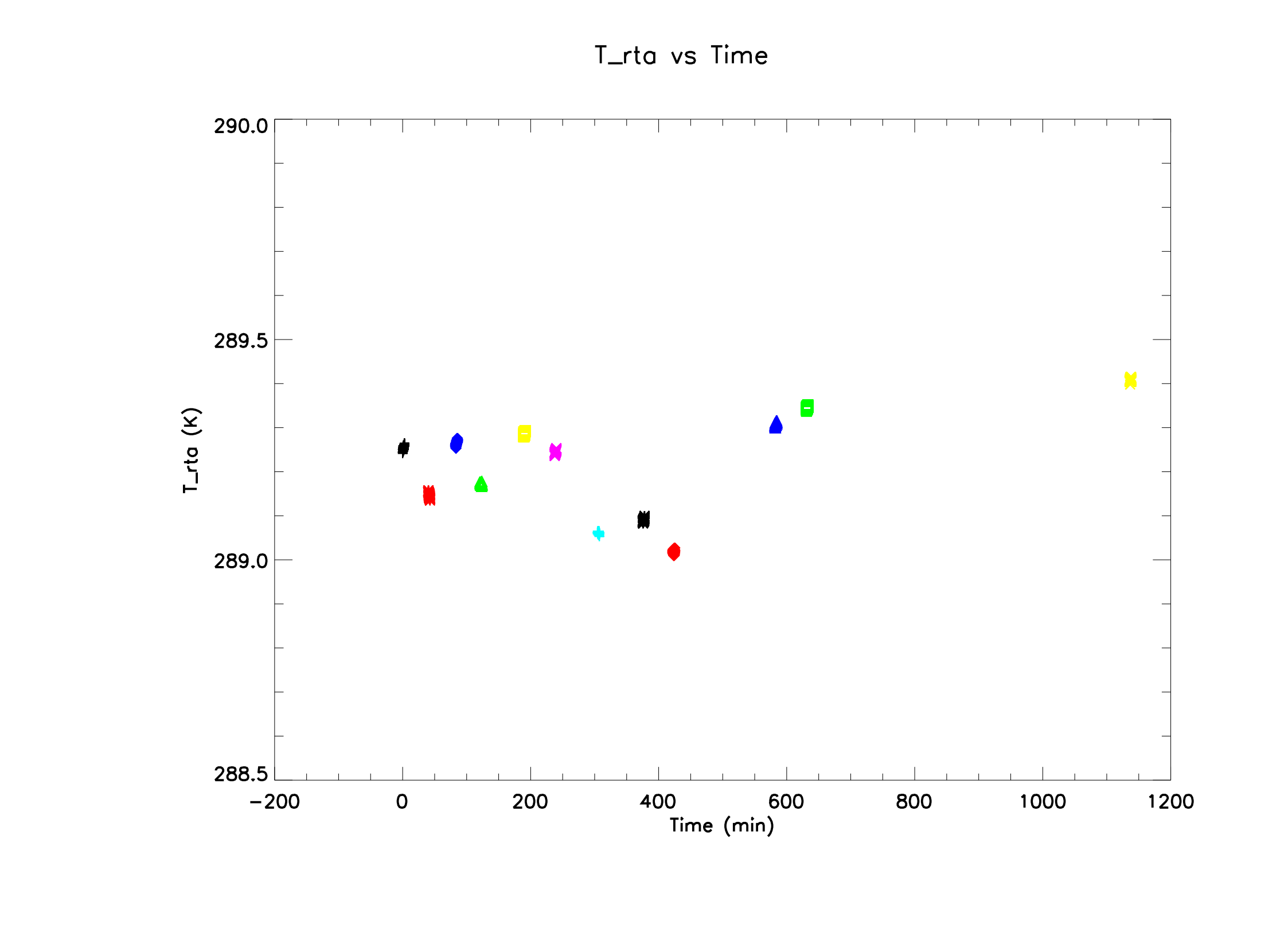

Integration Time vs Collect
Integration Time (Ticks)
40
30
20
10
0
0
5
10
15
Collect
VisNIR M
VisNIR I
SMWIR M
SMWIR I
LWIR M
LWIR I

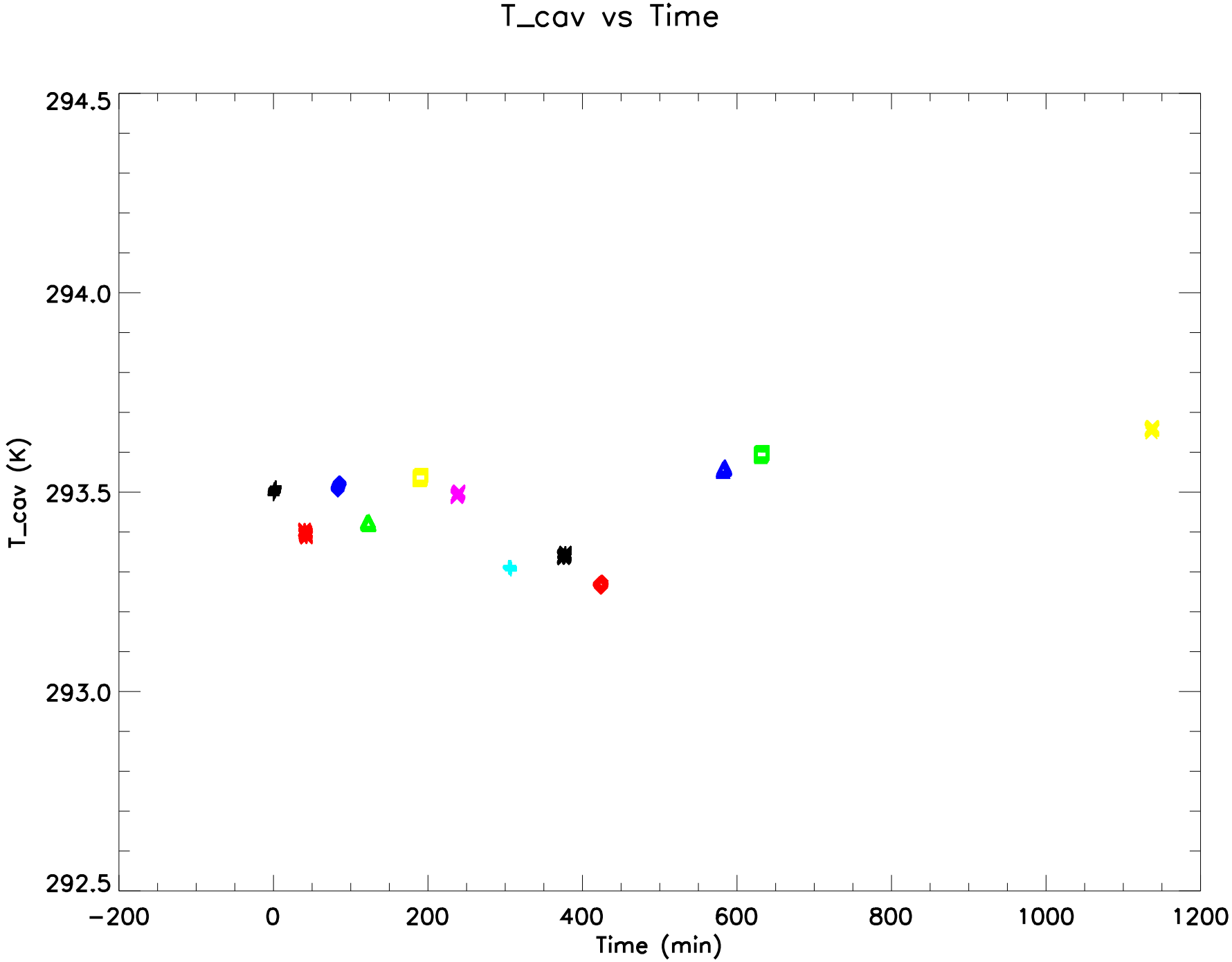

T_labb vs Collect
345.8
345.6
345.4
345.2
345.0
344.8
344.6
344.4
T_labb (K)
0
5
10
15
Collect

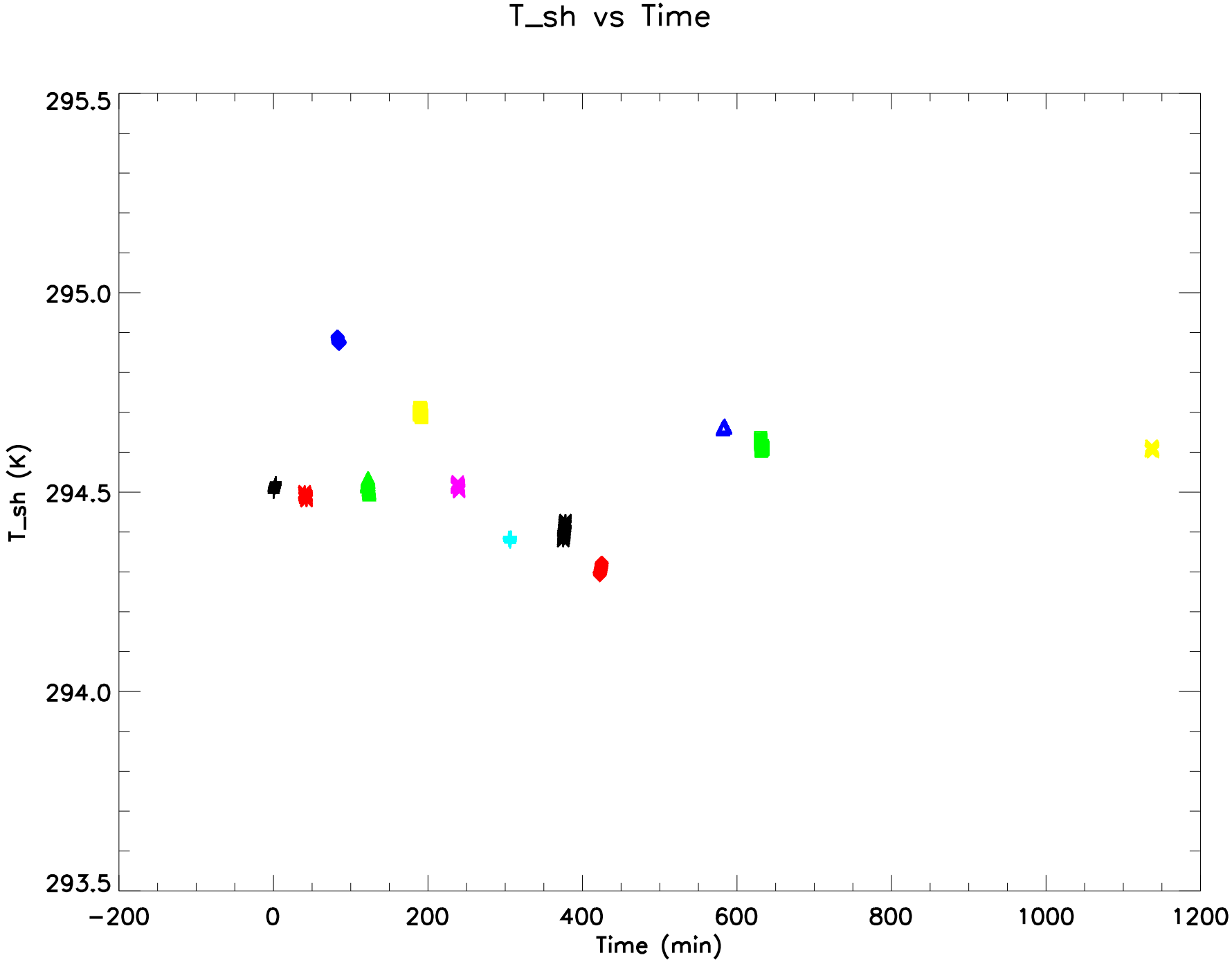

T_svs vs Collect
294.0
293.5
293.0
292.5
292.0
T_svs (K)
0
5
10
15
Collect

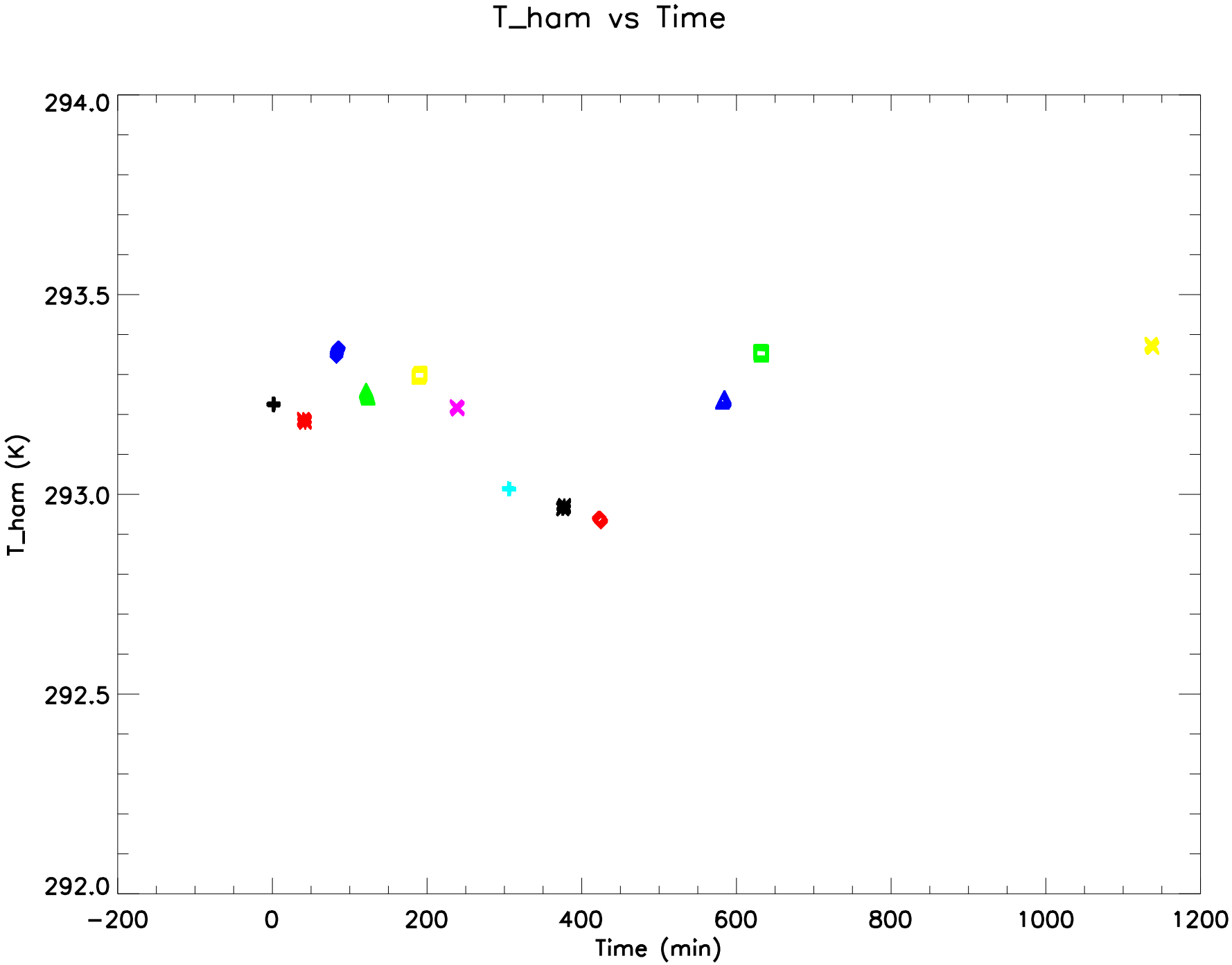

T_labb vs Time
345.8
345.6
345.4
345.2
345.0
344.8
344.6
344.4
T_labb (K)
−200
0
200
400
600
800
1000
1200
Time (min)

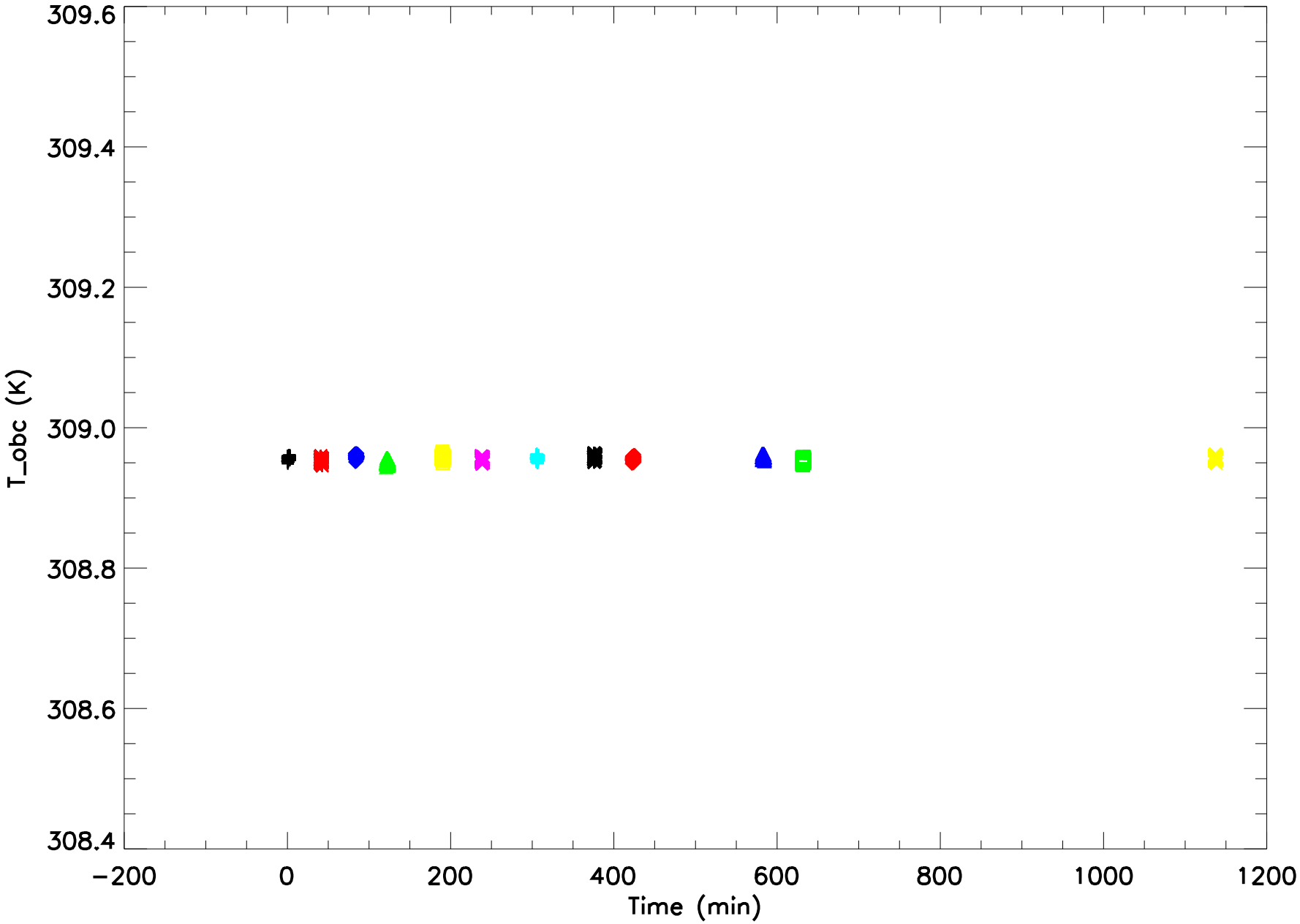

T_svs vs Time
294.0
293.5
293.0
292.5
292.0
T_svs (K)
−200
0
200
400
600
800
1000
1200
Time (min)


T_rta vs Time
290.0
289.5
289.0
288.5
T_rta (K)
−200
0
200
400
600
800
1000
1200
Time (min)

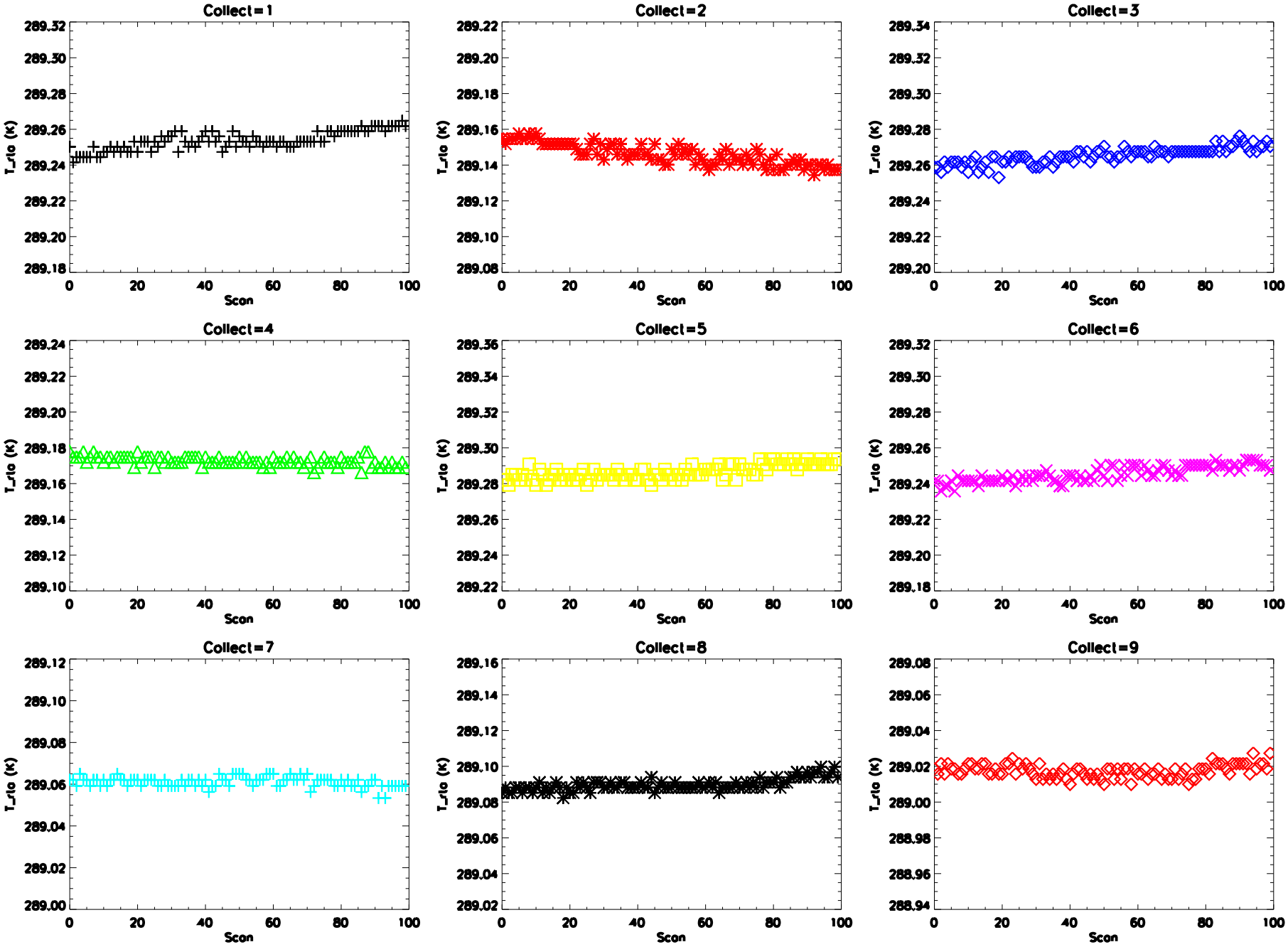

T_cav vs Time
294.5
294.0
293.5
293.0
292.5
T_cav (K)
−200
0
200
400
600
800
1000
1200
Time (min)


T_sh vs Time
295.5
295.0
294.5
294.0
293.5
T_sh (K)
−200
0
200
400
600
800
1000
1200
Time (min)

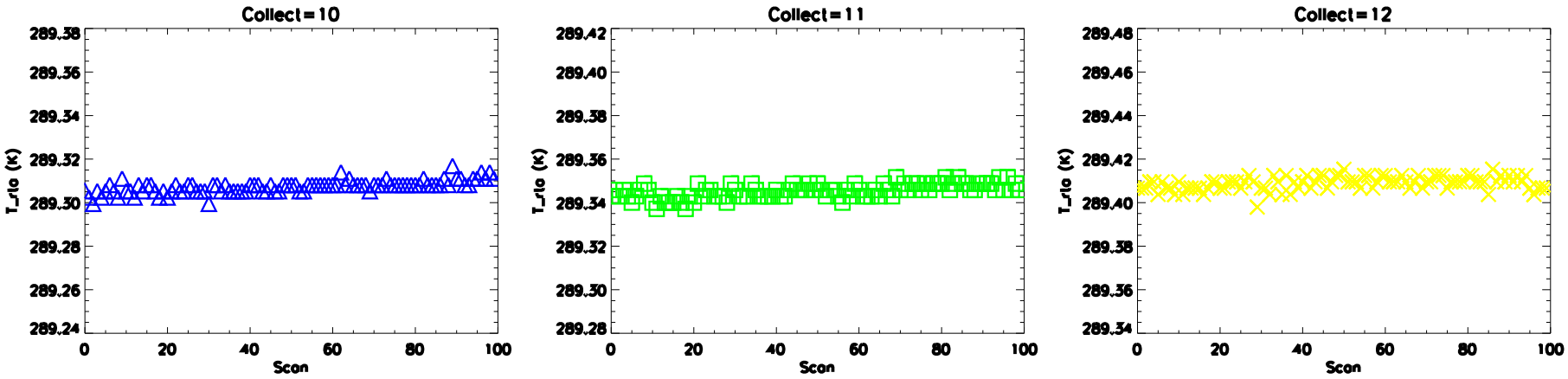

T_ham vs Time
294.0
293.5
293.0
292.5
292.0
T_ham (K)
−200
0
200
400
600
800
1000
1200
Time (min)


T_obc vs Time
309.6
309.4
309.2
309.0
308.8
308.6
308.4
T_obc (K)
−200
0
200
400
600
800
1000
1200
Time (min)

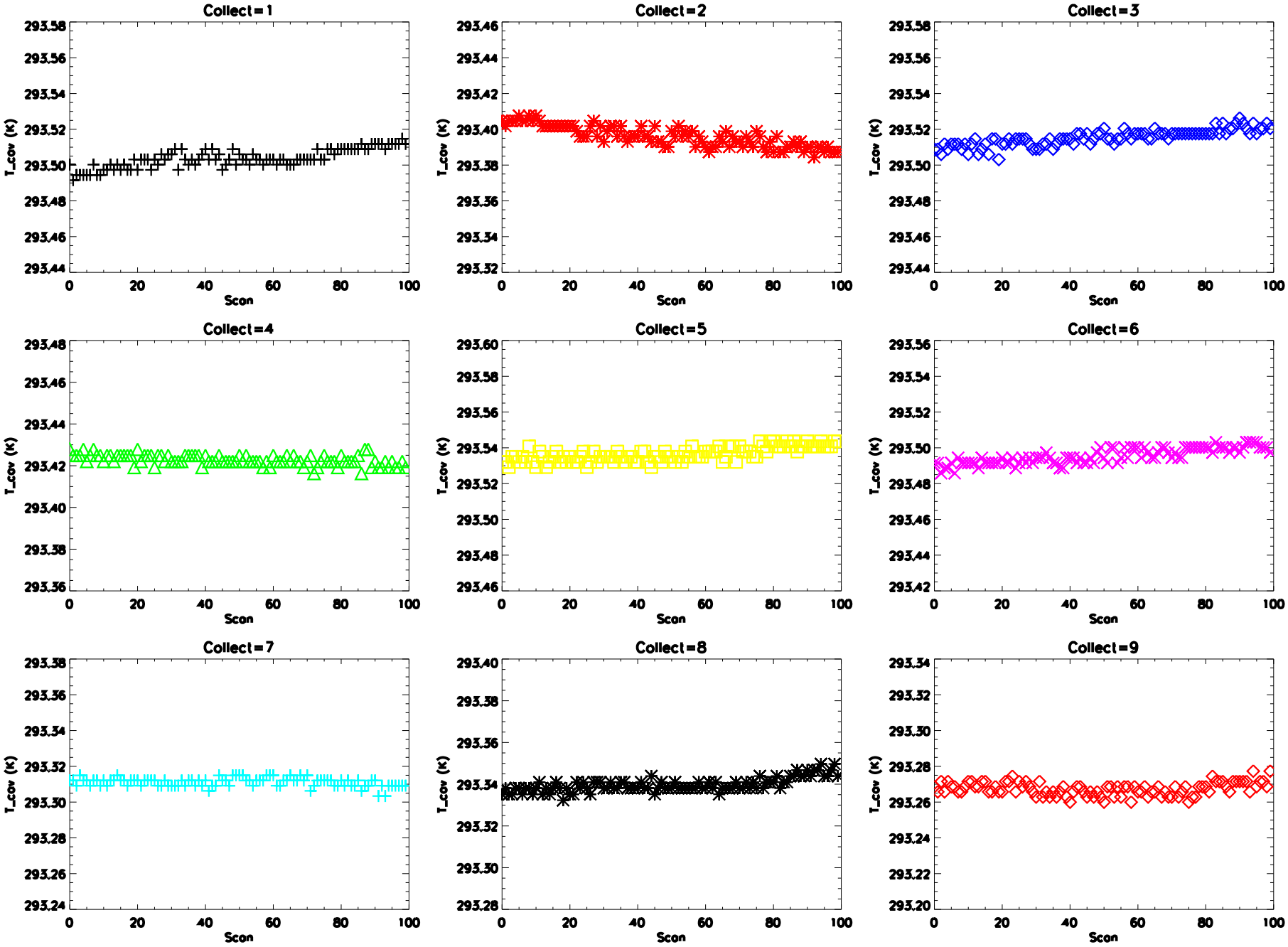
T_rta vs Scan


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

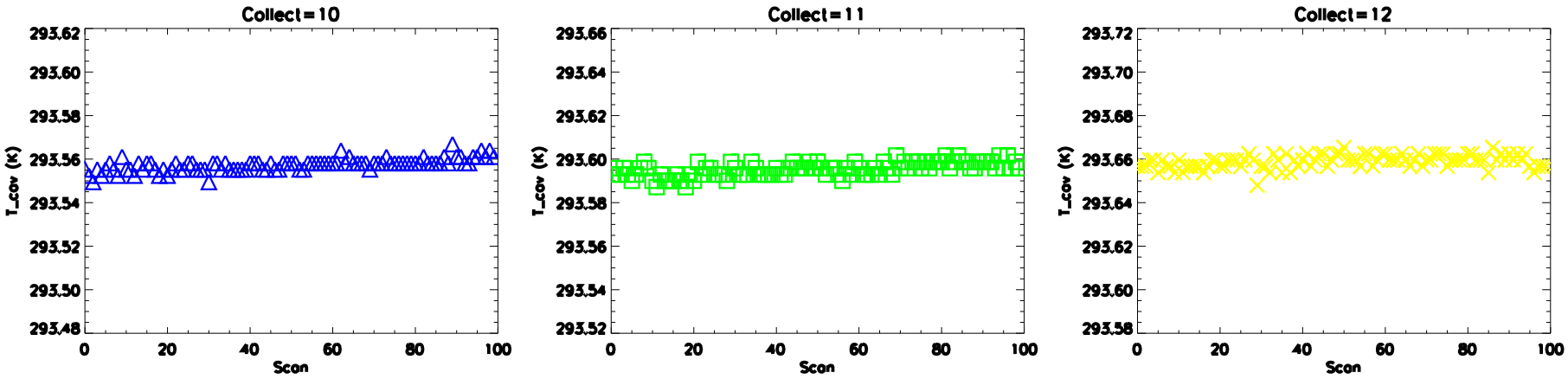
T_rta vs Scan

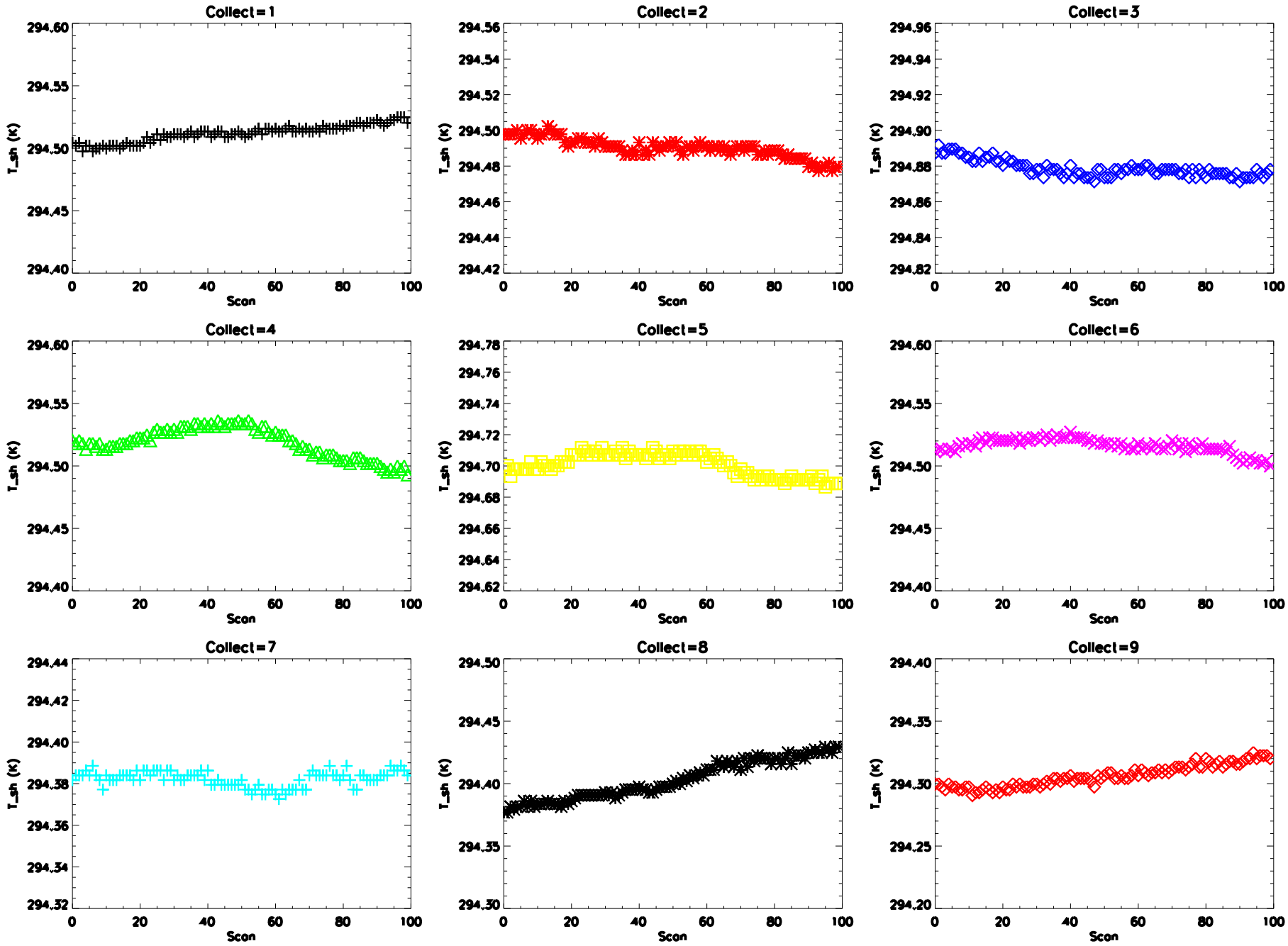

Collect = 10
Collect = 11
Collect = 12
T_rta (K)
Scan
289.38
289.36
289.34
289.32
289.30
289.28
289.26
289.24
289.42
289.40
289.38
289.36
289.34
289.32
289.30
289.28
289.48
289.46
289.44
289.42
289.40
289.38
289.36
289.34
0
20
40
60
80
100

T_cav vs Scan

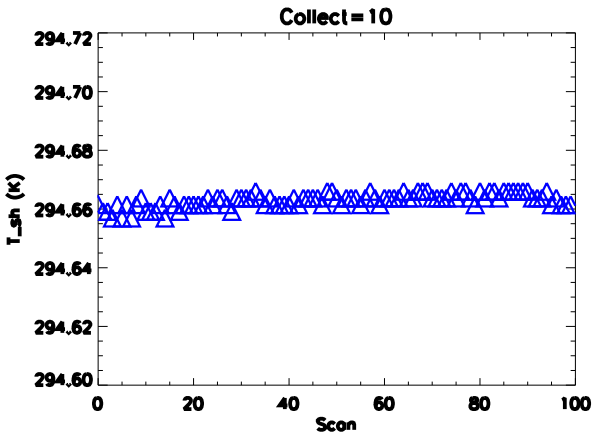

Collect=1
293.58
293.56
293.54
293.52
293.50
293.48
293.46
293.44
T_cav (K)
0
20
40
60
80
100
Scan
Collect=2
293.46
293.44
293.42
293.40
293.38
293.36
293.34
293.32
T_cav (K)
0
20
40
60
80
100
Scan
Collect=3
293.58
293.56
293.54
293.52
293.50
293.48
293.46
293.44
T_cav (K)
0
20
40
60
80
100
Scan
Collect=4
293.48
293.46
293.44
293.42
293.40
293.38
293.36
T_cav (K)
0
20
40
60
80
100
Scan
Collect=5
293.60
293.58
293.56
293.54
293.52
293.50
293.48
293.46
T_cav (K)
0
20
40
60
80
100
Scan
Collect=6
293.56
293.54
293.52
293.50
293.48
293.46
293.44
293.42
T_cav (K)
0
20
40
60
80
100
Scan
Collect=7
293.38
293.36
293.34
293.32
293.30
293.28
293.26
293.24
T_cav (K)
0
20
40
60
80
100
Scan
Collect=8
293.40
293.38
293.36
293.34
293.32
293.30
293.28
T_cav (K)
0
20
40
60
80
100
Scan
Collect=9
293.34
293.32
293.30
293.28
293.26
293.24
293.22
293.20
T_cav (K)
0
20
40
60
80
100
Scan

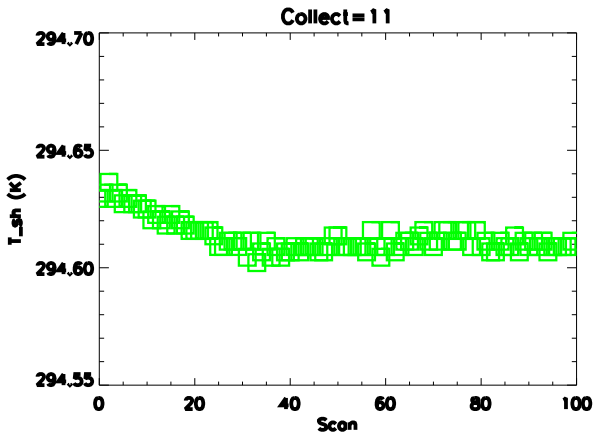
T_cav vs Scan

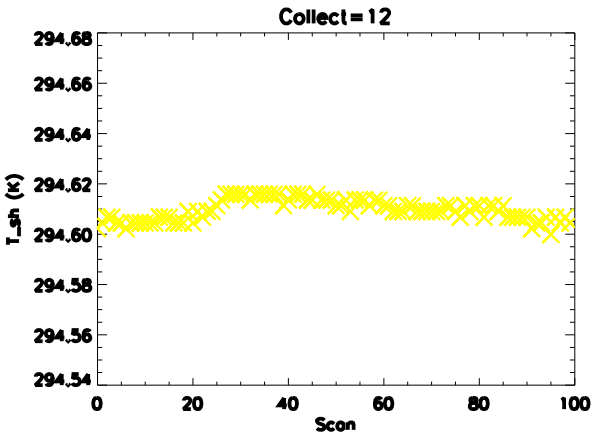

Collect = 10
Collect = 11
Collect = 12
T_cav (K)
Scan
293.62
293.60
293.58
293.56
293.54
293.52
293.50
293.48
293.66
293.64
293.62
293.60
293.58
293.56
293.54
293.52
293.72
293.70
293.68
293.66
293.64
293.62
293.60
293.58
0
20
40
60
80
100


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

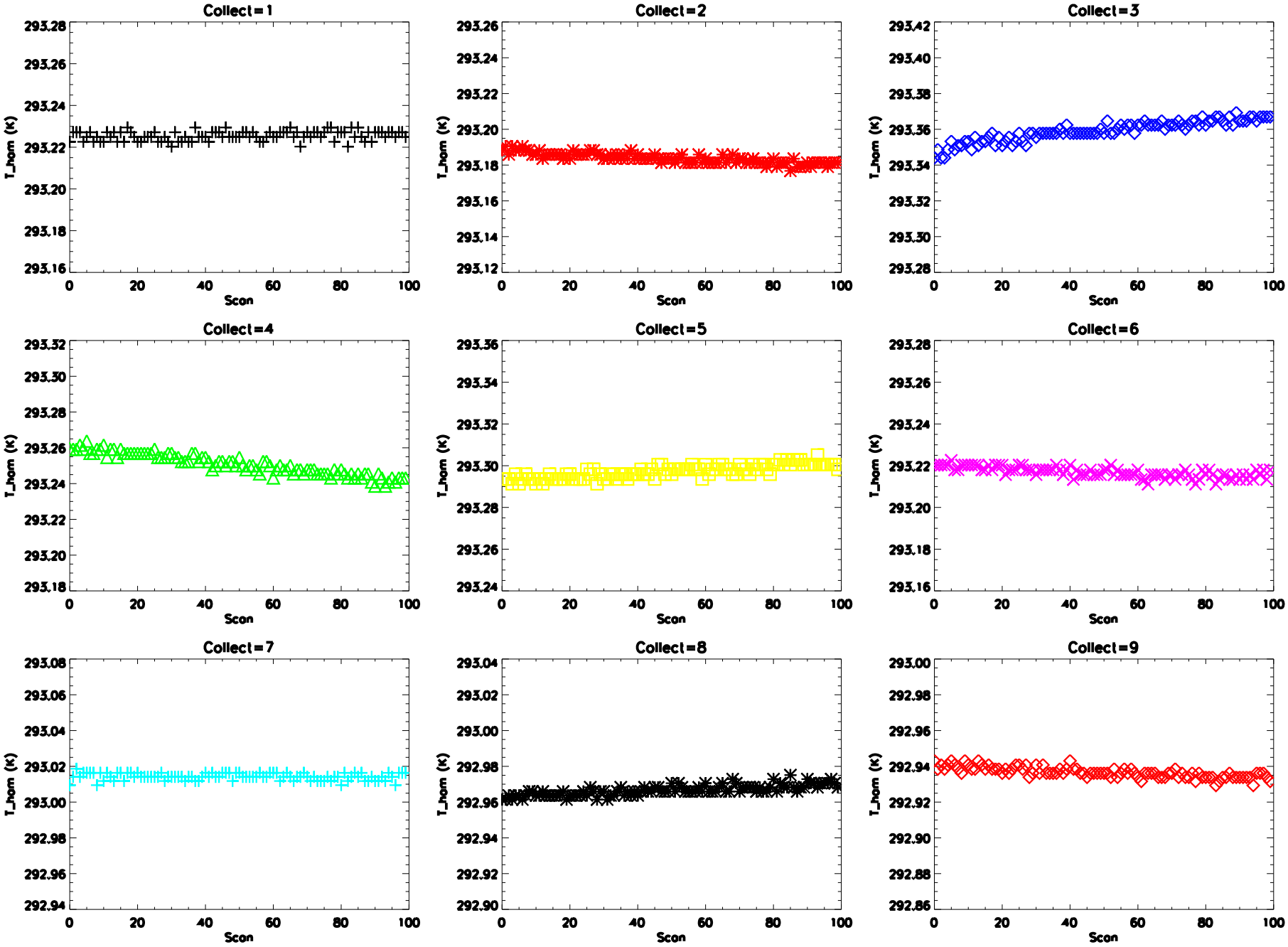
T_sh vs Scan


Collect = 10
T_sh (K)
294.72
294.70
294.68
294.66
294.64
294.62
294.60
0
20
40
60
80
100
Scan

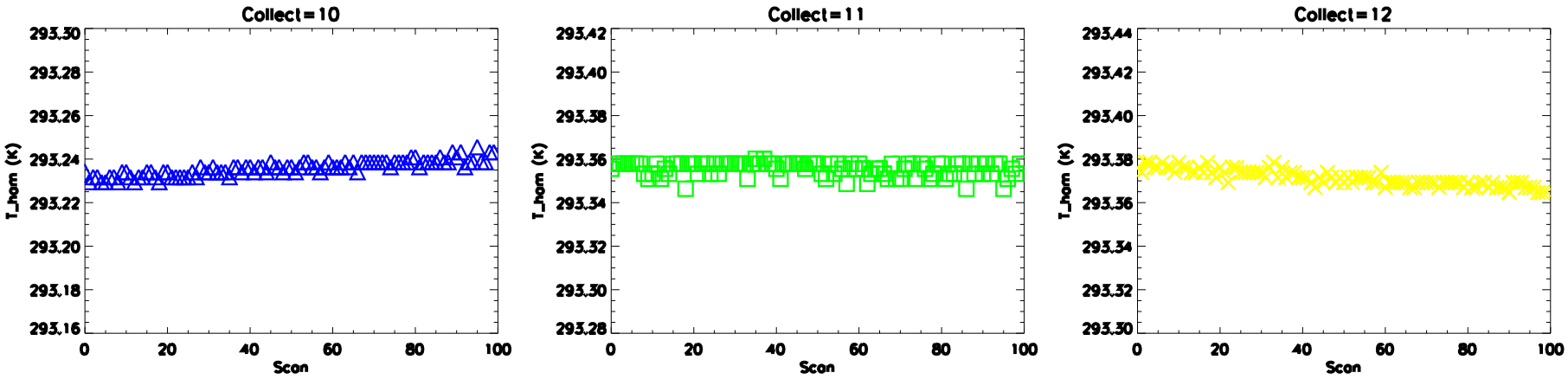

Collect = 11
T_sh (K)
294.70
294.65
294.60
294.55
0
20
40
60
80
100
Scan


Collect = 12
T_sh (K)
294.68
294.66
294.64
294.62
294.60
294.58
294.56
294.54
0
20
40
60
80
100
Scan

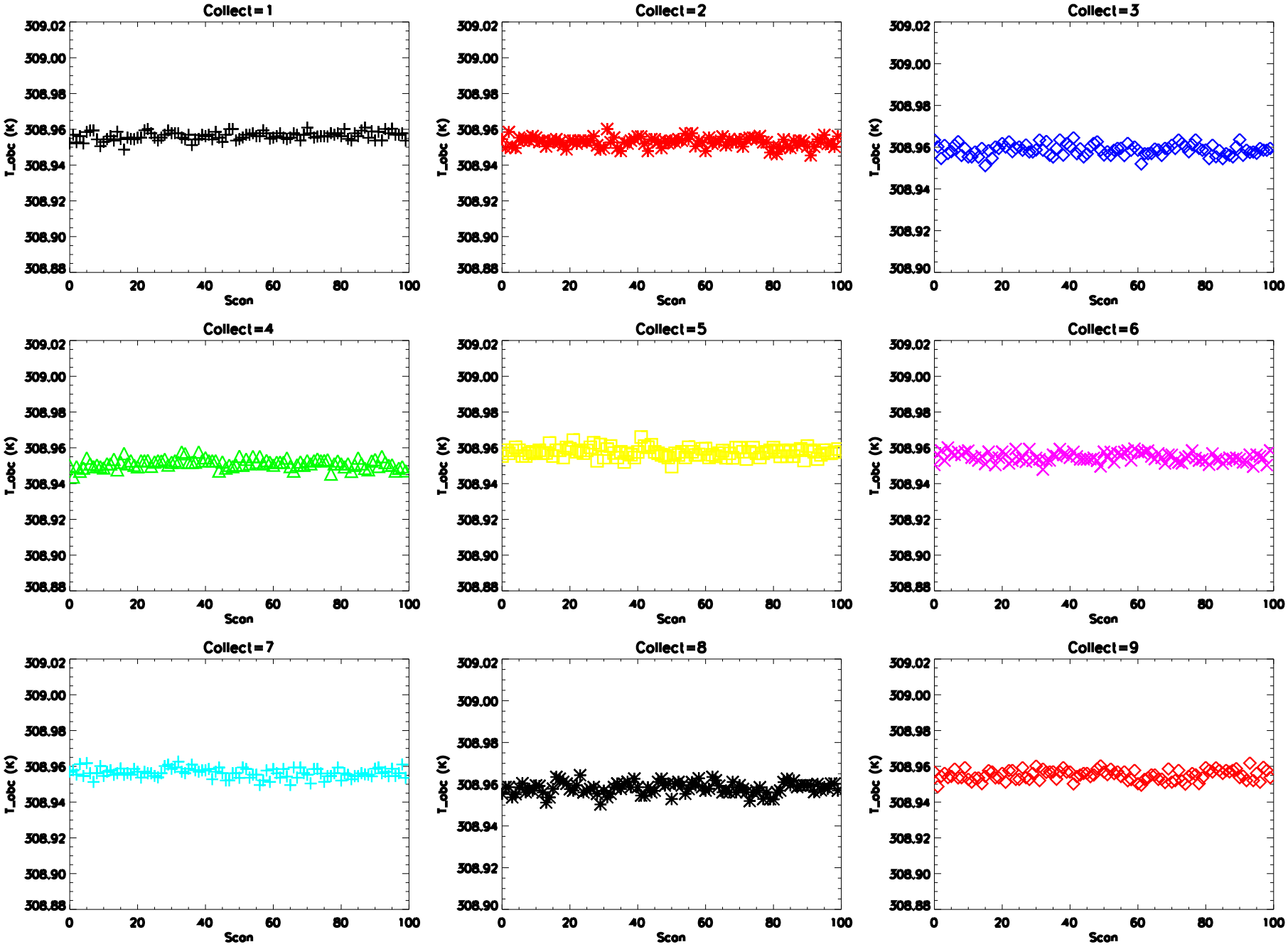
T_ham vs Scan


Collect=1
293.28
293.26
293.24
293.22
293.20
293.18
293.16
T_ham (K)
0
20
40
60
80
100
Scan
Collect=2
293.26
293.24
293.22
293.20
293.18
293.16
293.14
293.12
T_ham (K)
0
20
40
60
80
100
Scan
Collect=3
293.42
293.40
293.38
293.36
293.34
293.32
293.30
293.28
T_ham (K)
0
20
40
60
80
100
Scan
Collect=4
293.32
293.30
293.28
293.26
293.24
293.22
293.20
293.18
T_ham (K)
0
20
40
60
80
100
Scan
Collect=5
293.36
293.34
293.32
293.30
293.28
293.26
293.24
T_ham (K)
0
20
40
60
80
100
Scan
Collect=6
293.28
293.26
293.24
293.22
293.20
293.18
293.16
T_ham (K)
0
20
40
60
80
100
Scan
Collect=7
293.08
293.06
293.04
293.02
293.00
292.98
292.96
292.94
T_ham (K)
0
20
40
60
80
100
Scan
Collect=8
293.04
293.02
293.00
292.98
292.96
292.94
292.92
292.90
T_ham (K)
0
20
40
60
80
100
Scan
Collect=9
293.00
292.98
292.96
292.94
292.92
292.90
292.88
292.86
T_ham (K)
0
20
40
60
80
100
Scan

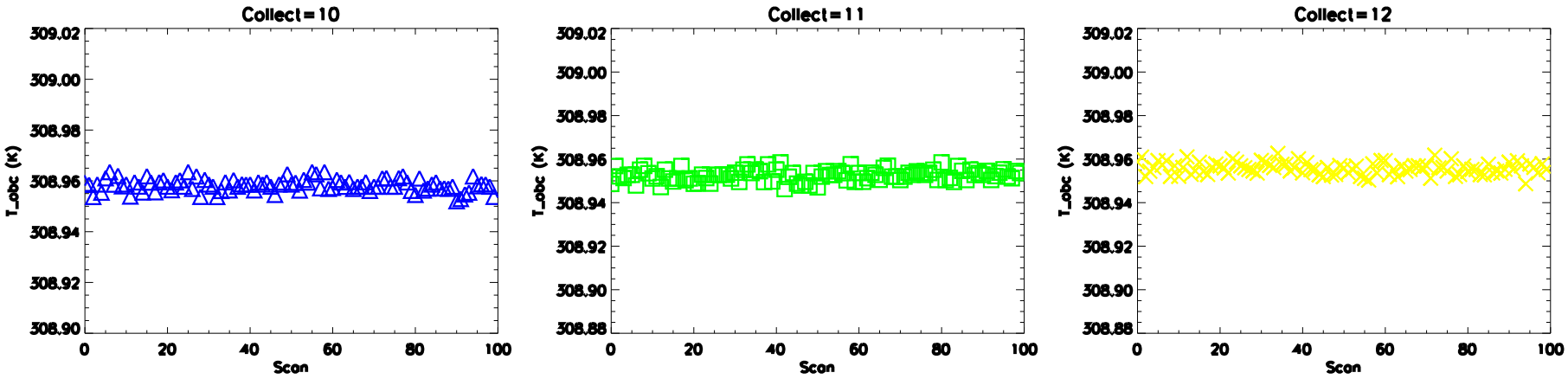
T_ham vs Scan

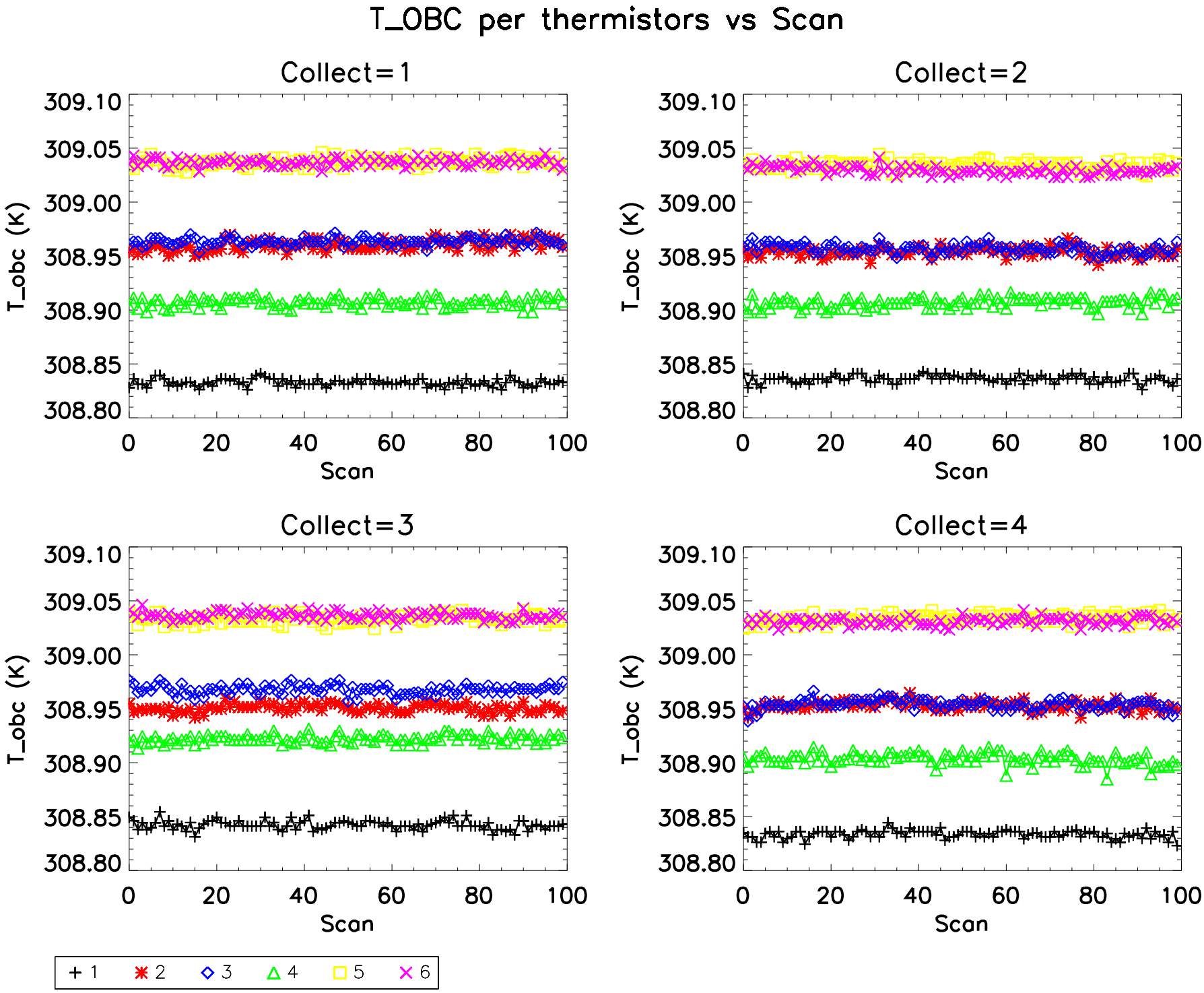

Collect = 10
T_ham (K)
293.30
293.28
293.26
293.24
293.22
293.20
293.18
293.16
0
20
40
60
80
100
Scan
Collect = 11
T_ham (K)
293.42
293.40
293.38
293.36
293.34
293.32
293.30
293.28
0
20
40
60
80
100
Scan
Collect = 12
T_ham (K)
293.44
293.42
293.40
293.38
293.36
293.34
293.32
293.30
0
20
40
60
80
100
Scan

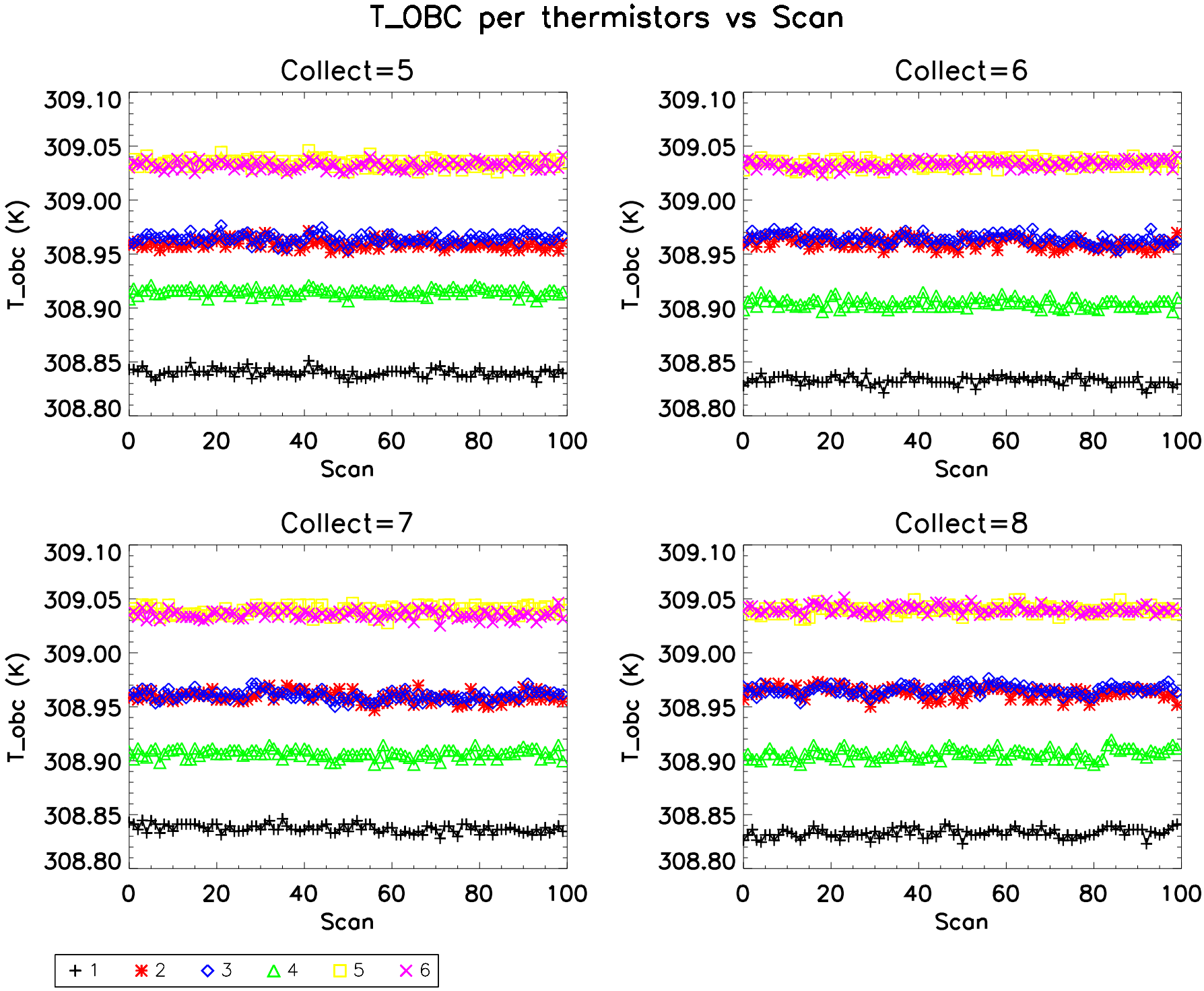
T_obc vs Scan

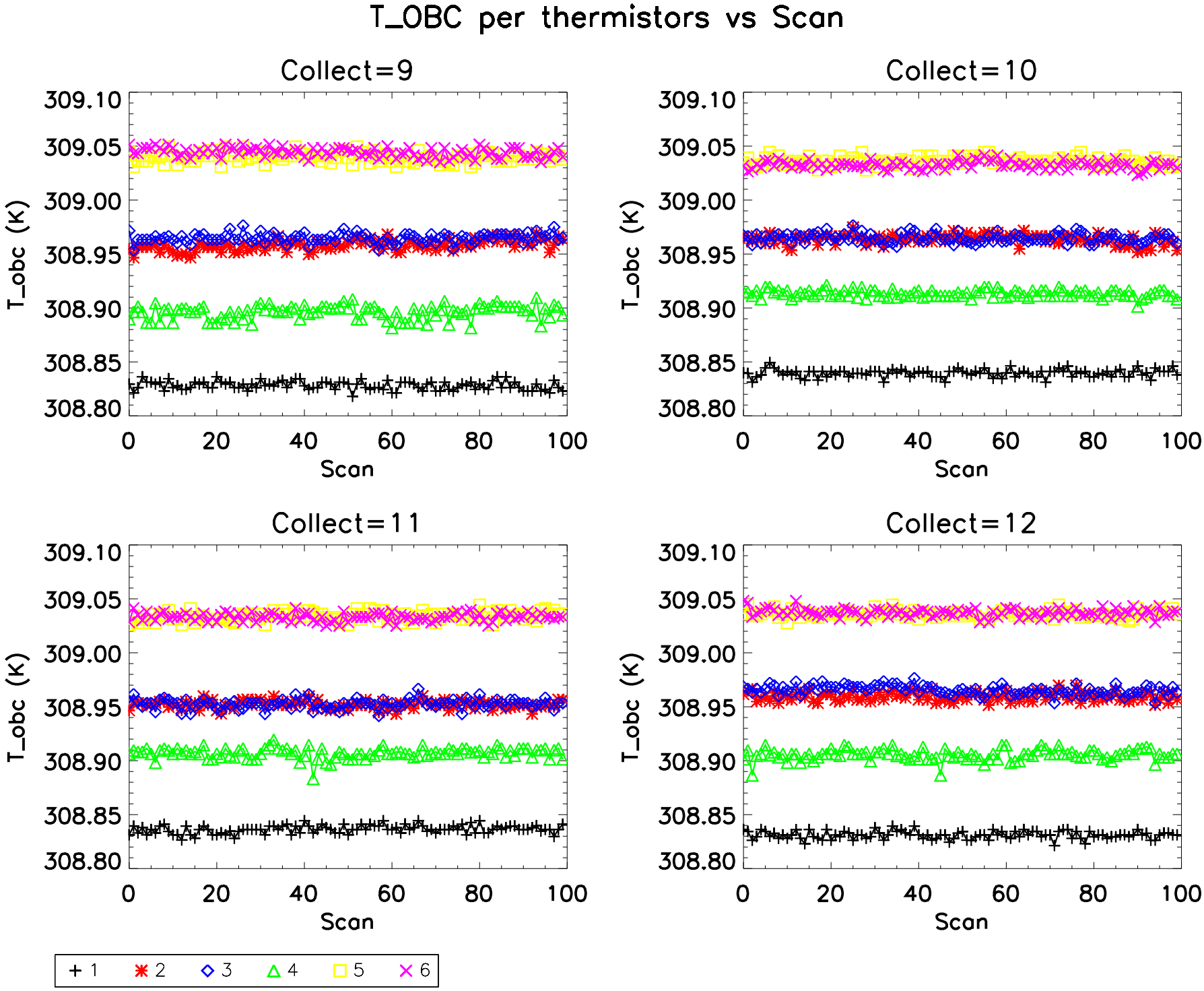

Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
T_obc (K)
Scan
309.02
309.00
308.98
308.96
308.94
308.92
308.90
308.88
0
20
40
60
80
100

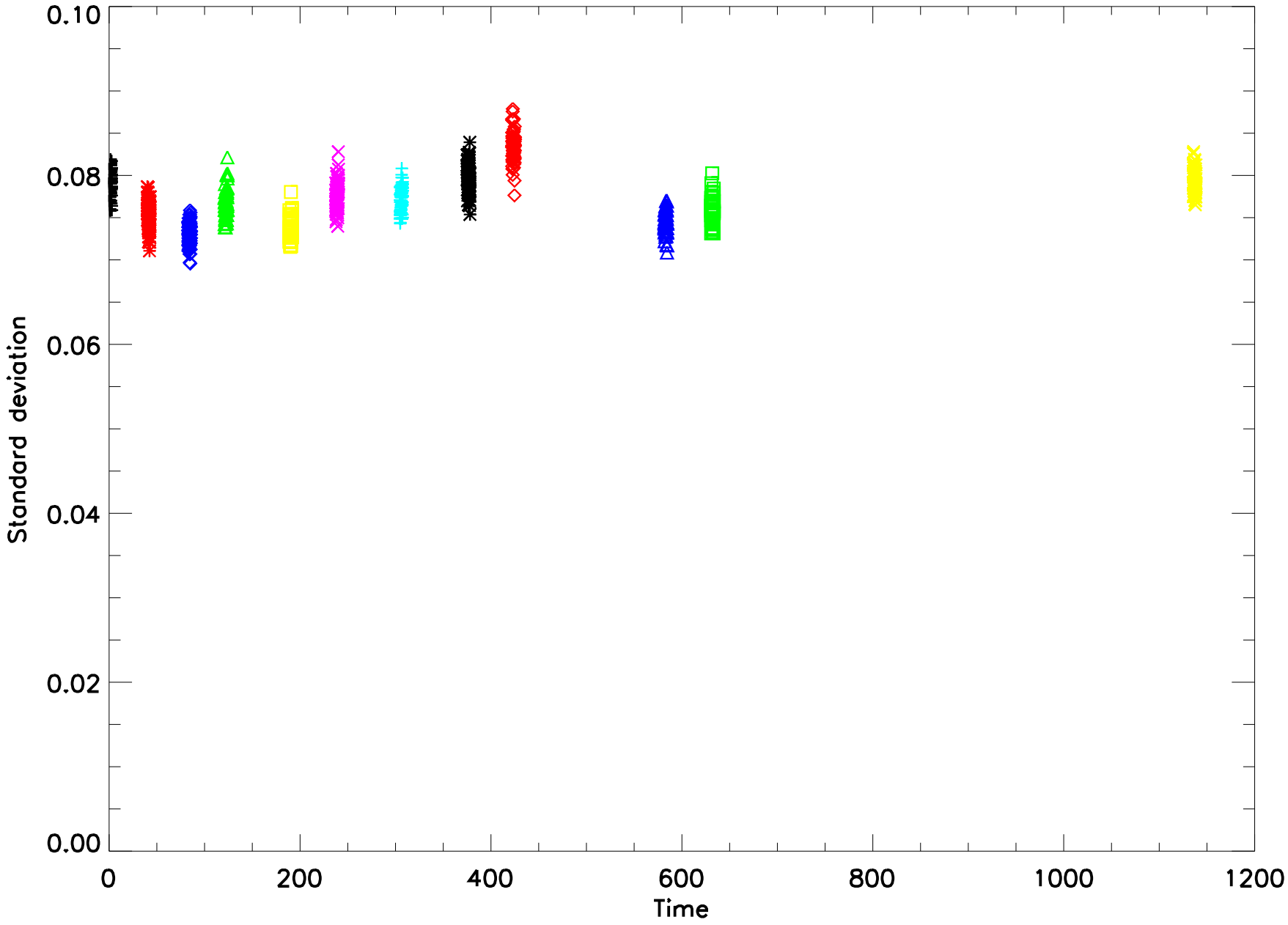
T_obc vs Scan

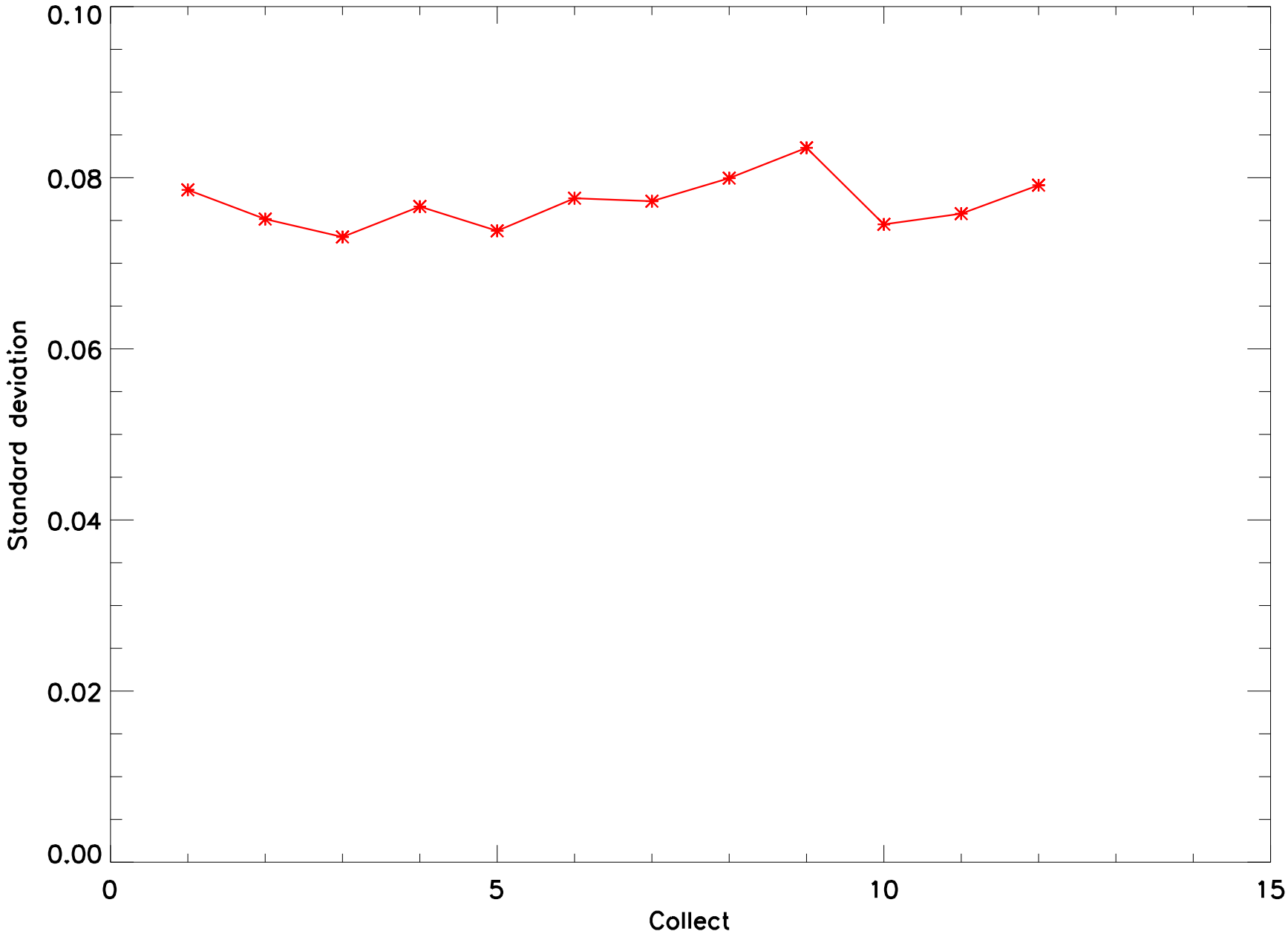

Collect = 10
Collect = 11
Collect = 12
T_obc (K)
Scan
309.02
309.00
308.98
308.96
308.94
308.92
308.90
308.88
0
20
40
60
80
100

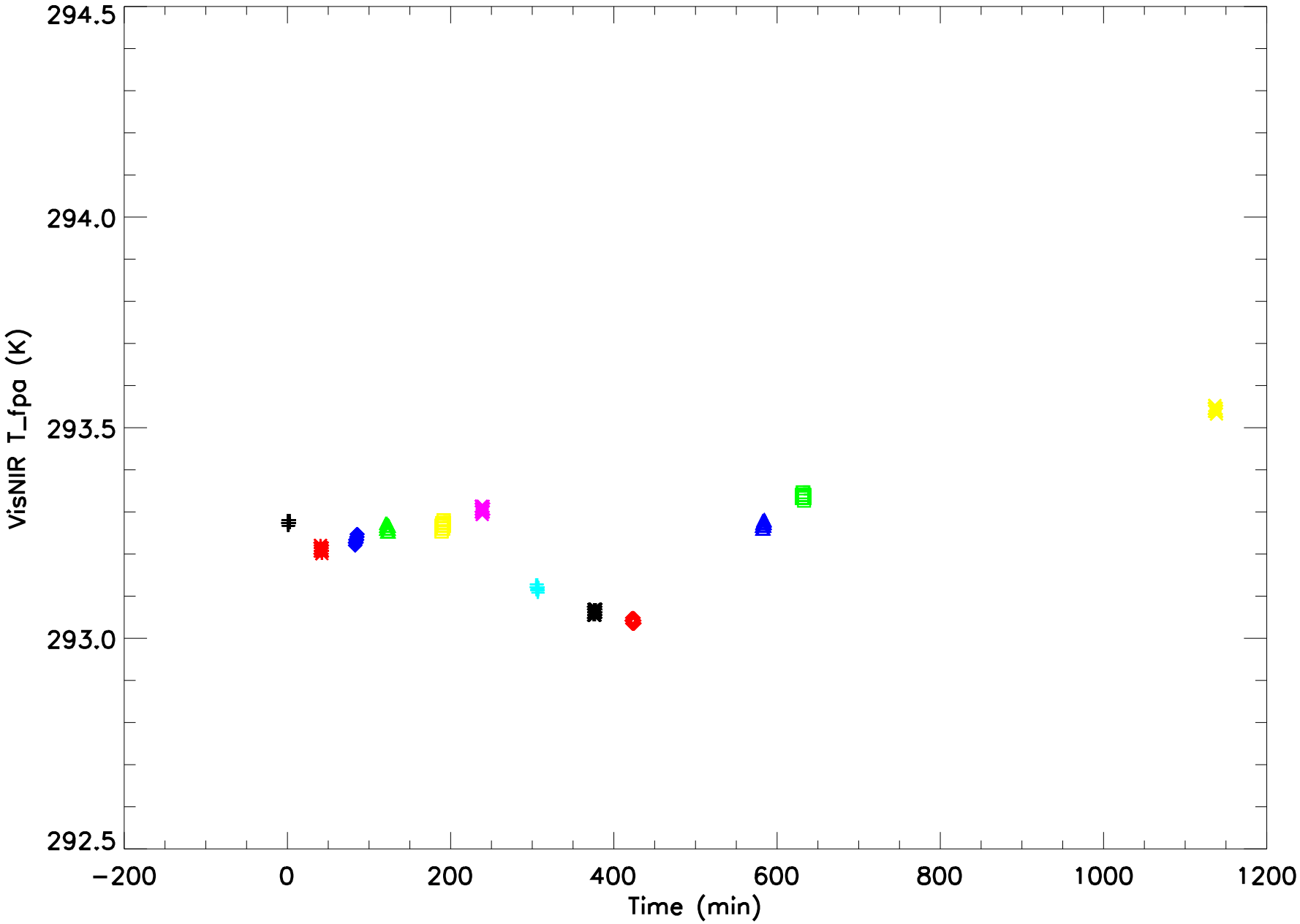

T_OBC per thermistors vs Scan
Collect=1
Collect=2
Collect=3
Collect=4
T_obc (K)
Scan
309.10
309.05
309.00
308.95
308.90
308.85
308.80
0
20
40
60
80
100
1
2
3
4
5
6

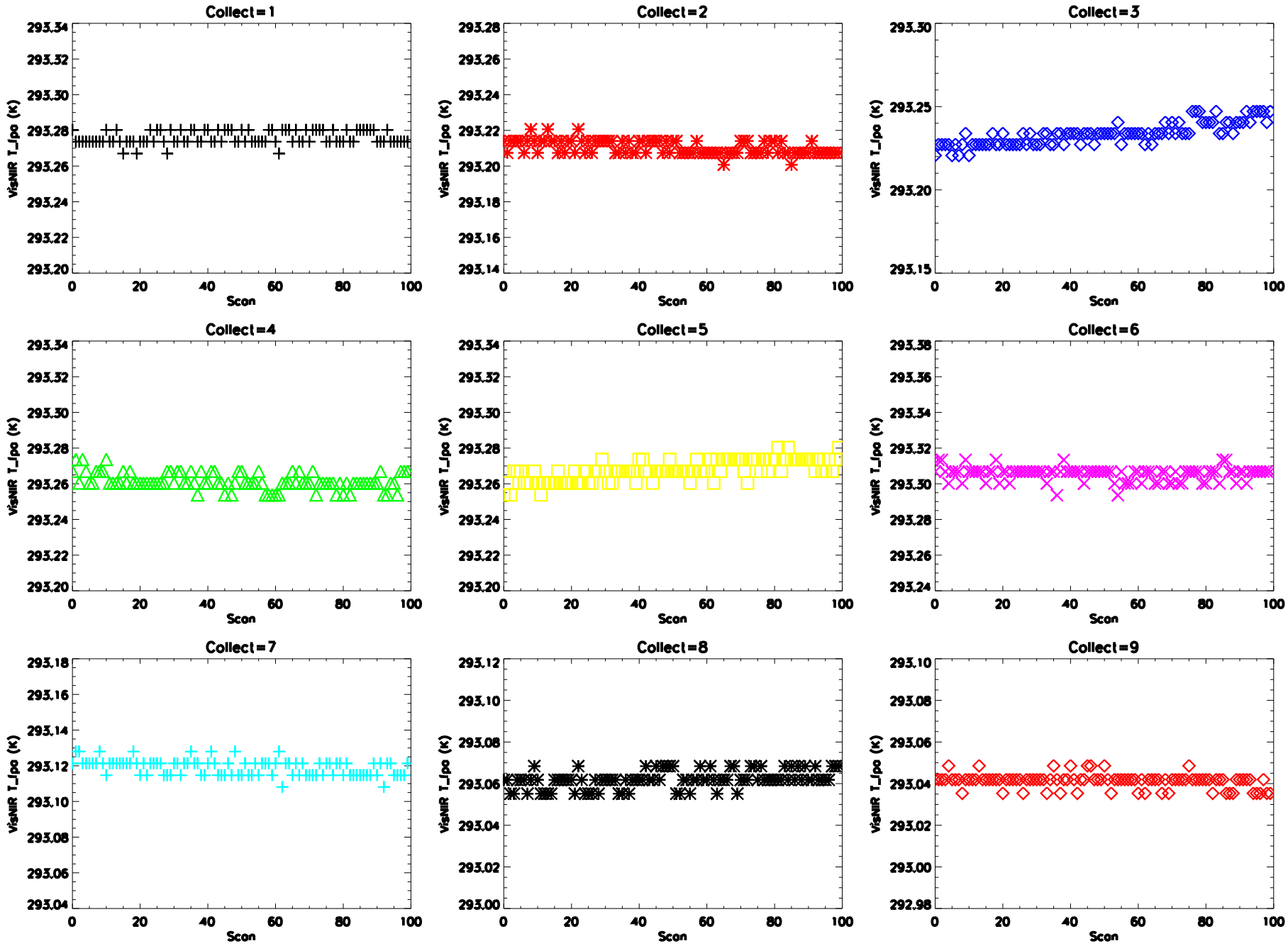

T_OBC per thermistors vs Scan
Collect=5
Collect=6
Collect=7
Collect=8
T_obc (K)
Scan
309.10
309.05
309.00
308.95
308.90
308.85
308.80
0
20
40
60
80
100
1
2
3
4
5
6


T_OBC per thermistors vs Scan
Collect=9
Collect=10
Collect=11
Collect=12
T_obc (K)
Scan
309.10
309.05
309.00
308.95
308.90
308.85
308.80
0
20
40
60
80
100
1
2
3
4
5
6

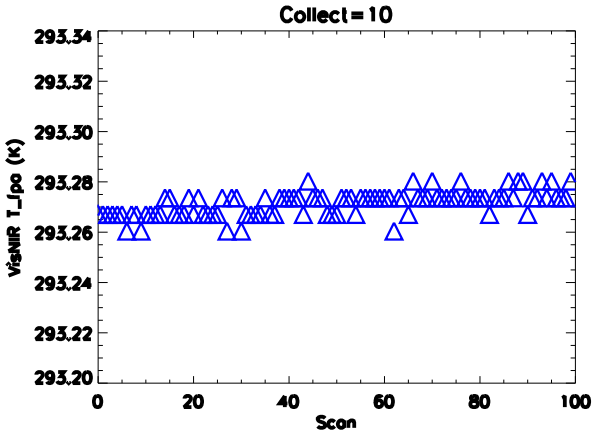

OBC thermistor standard deviation vs Time
Standard deviation
0.10
0.08
0.06
0.04
0.02
0.00
0
200
400
600
800
1000
1200
Time

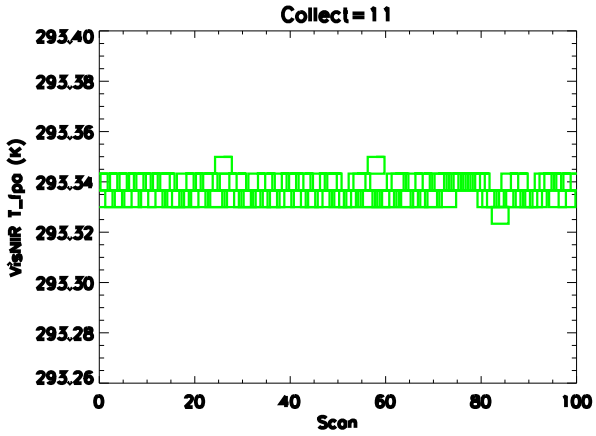

OBC thermistor standard deviation vs Collect
0.10
0.08
0.06
0.04
0.02
0.00
Standard deviation
0
5
10
15
Collect

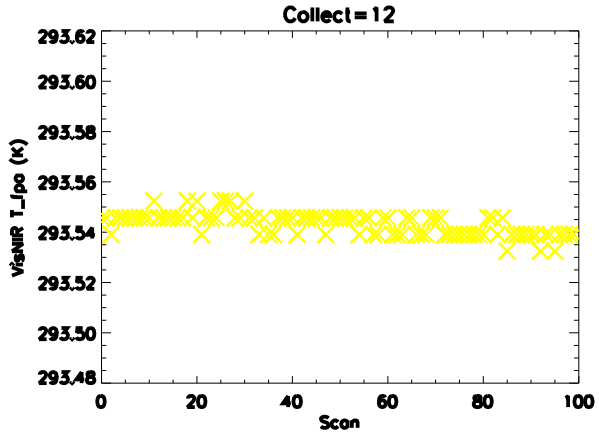

VisNIR T_fpa vs Time
294.5
294.0
293.5
293.0
292.5
VisNIR T_fpa (K)
−200
0
200
400
600
800
1000
1200
Time (min)

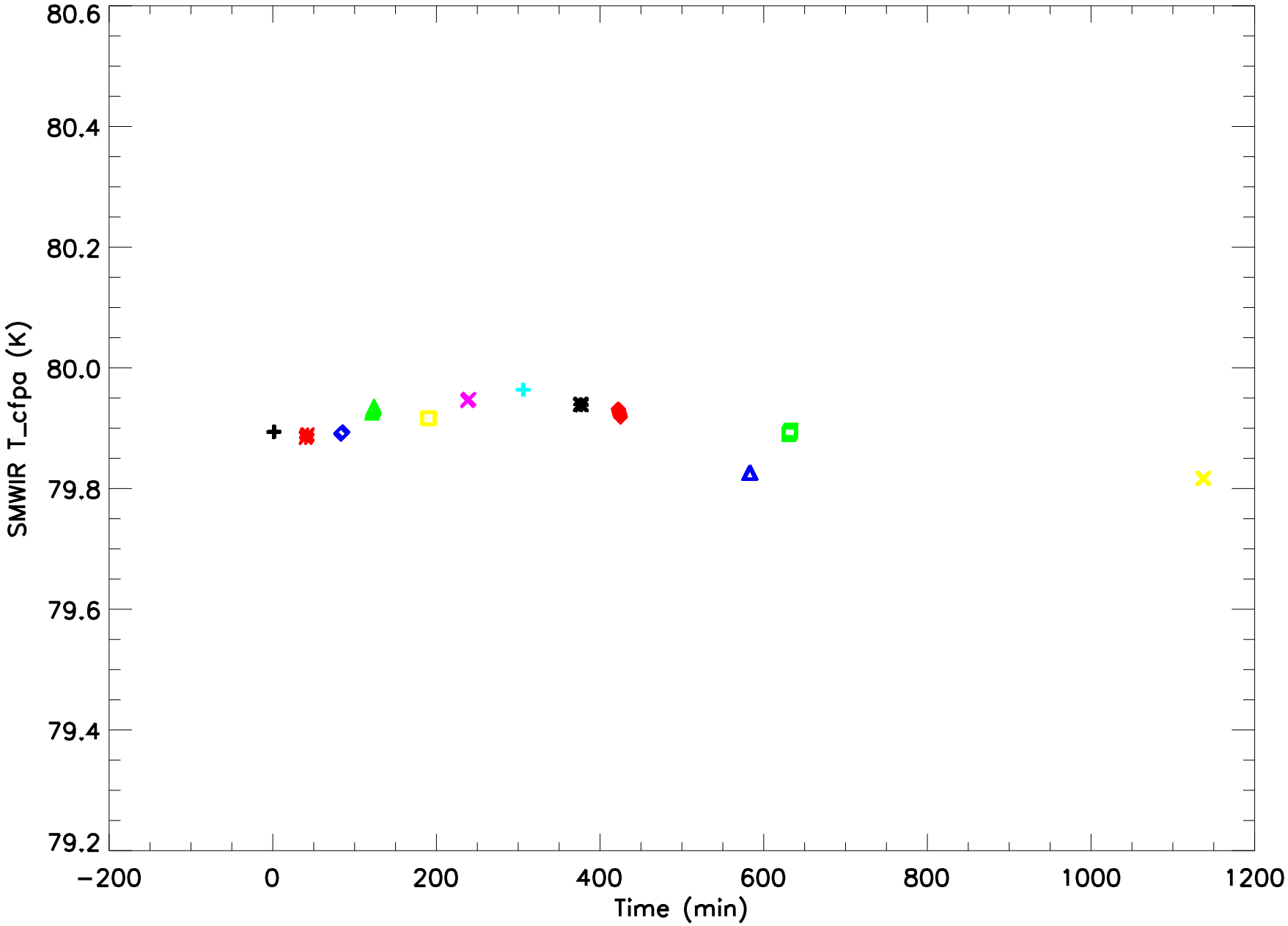

Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
VisNIR T_lpo (K)
Scan

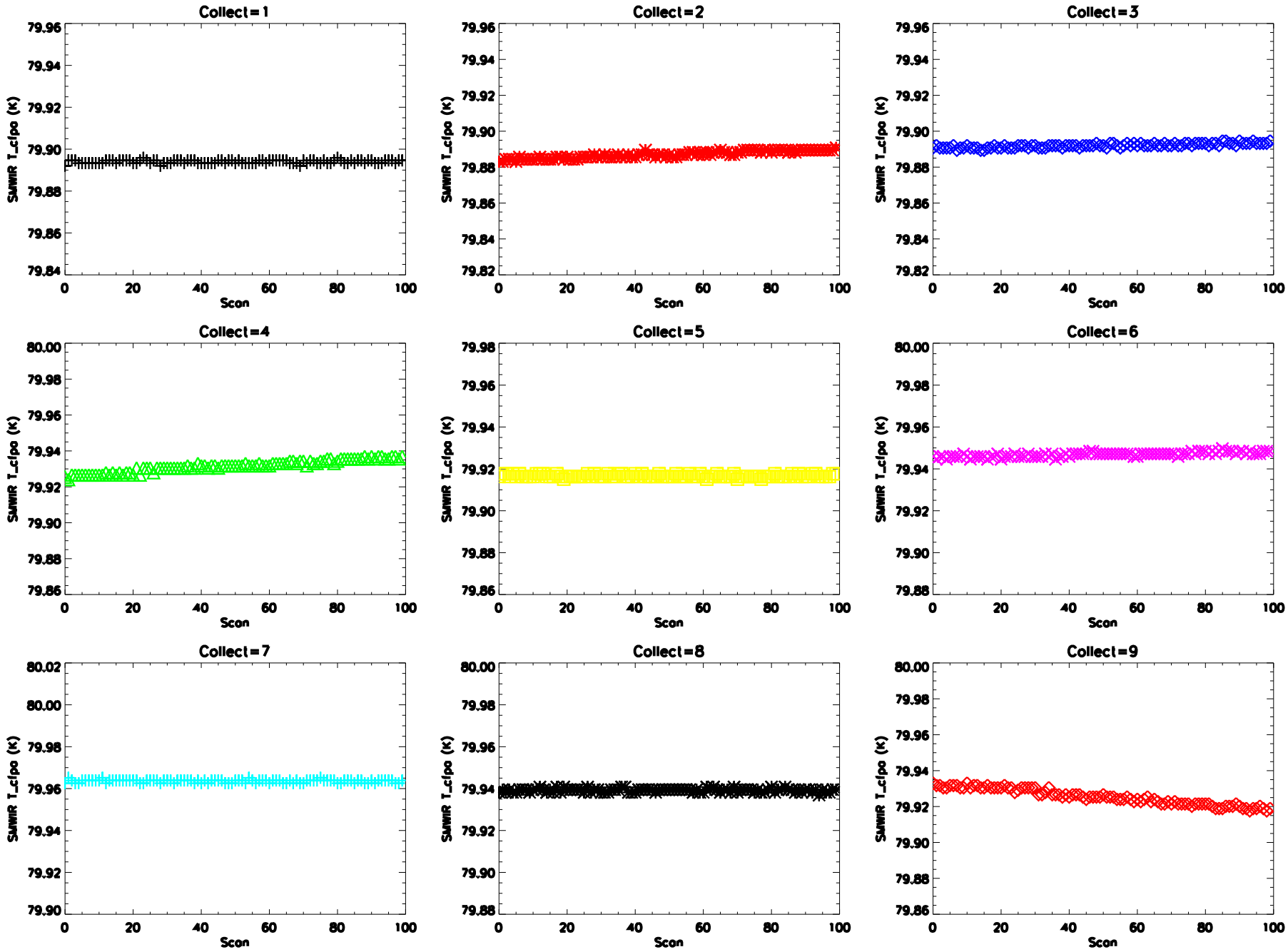
VisNIR T_fpa vs Scan



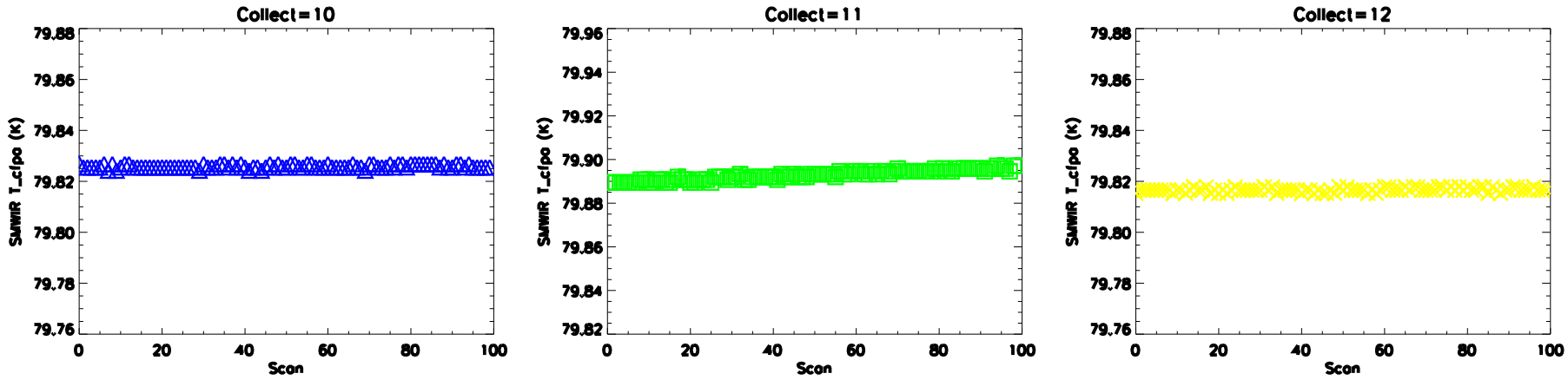


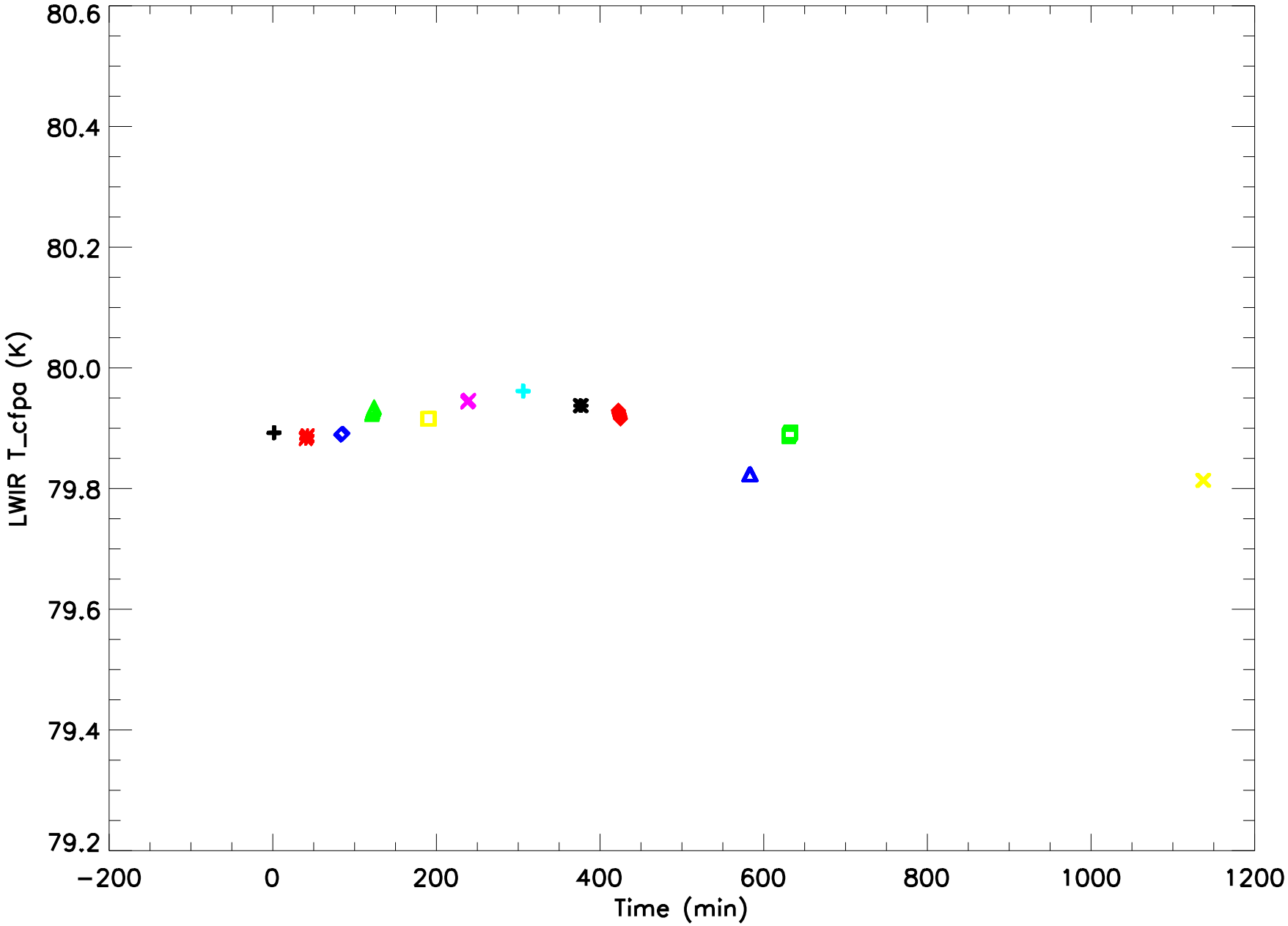


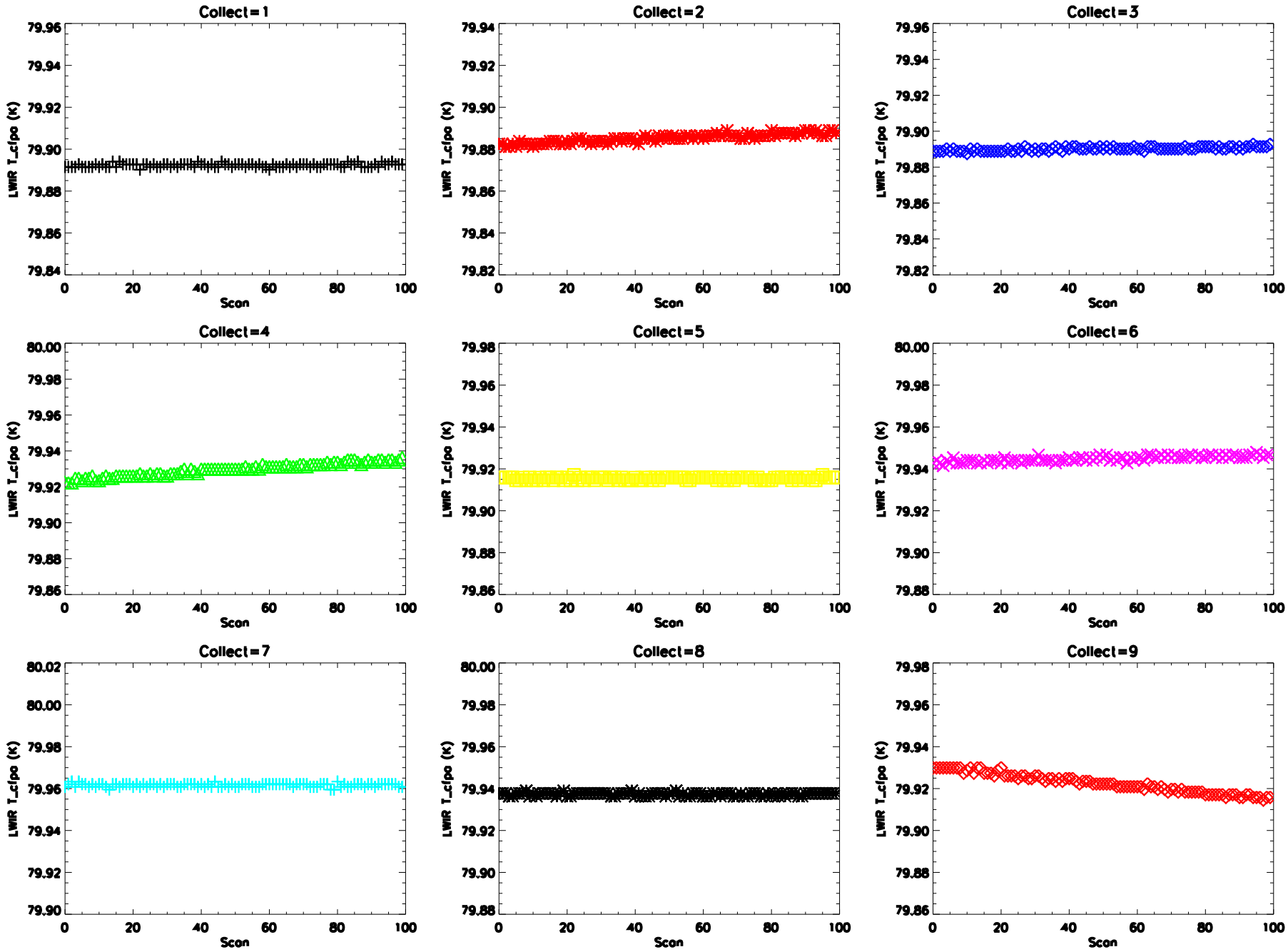

SMWIR T_cfpa vs Time
SMWIR T_cfpa (K)
80.6
80.4
80.2
80.0
79.8
79.6
79.4
79.2
−200
0
200
400
600
800
1000
1200
Time (min)


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

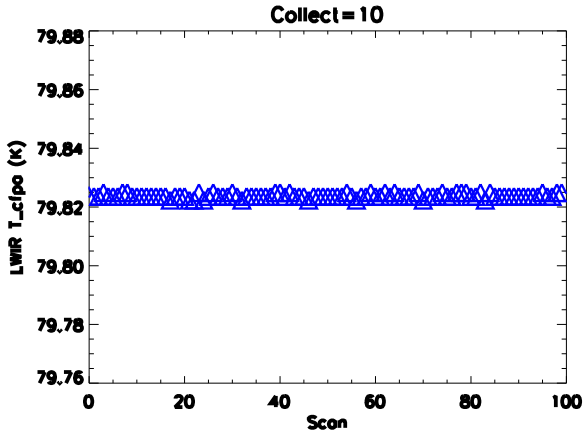
SMWIR T_cfpa vs Scan

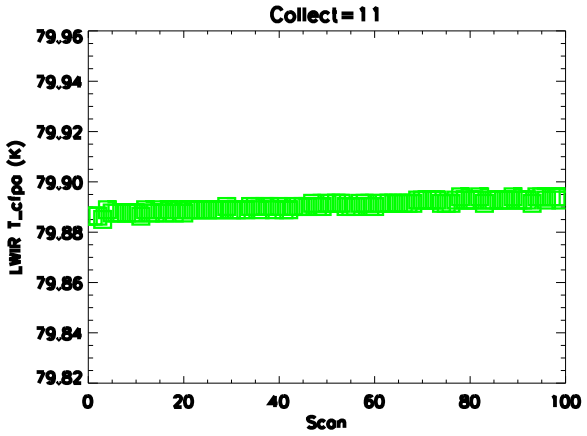


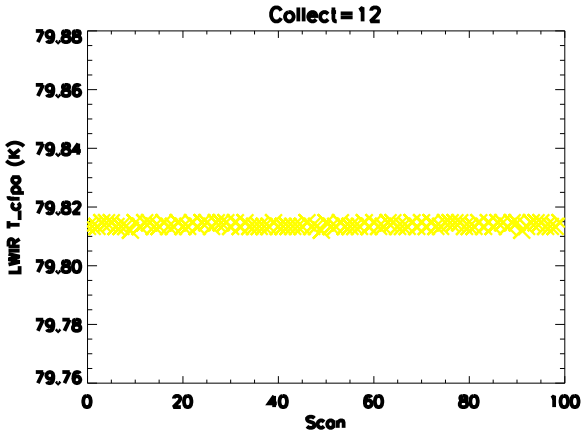

LWIR T_cfpa vs Time
LWIR T_cfpa (K)
80.6
80.4
80.2
80.0
79.8
79.6
79.4
79.2
−200
0
200
400
600
800
1000
1200
Time (min)

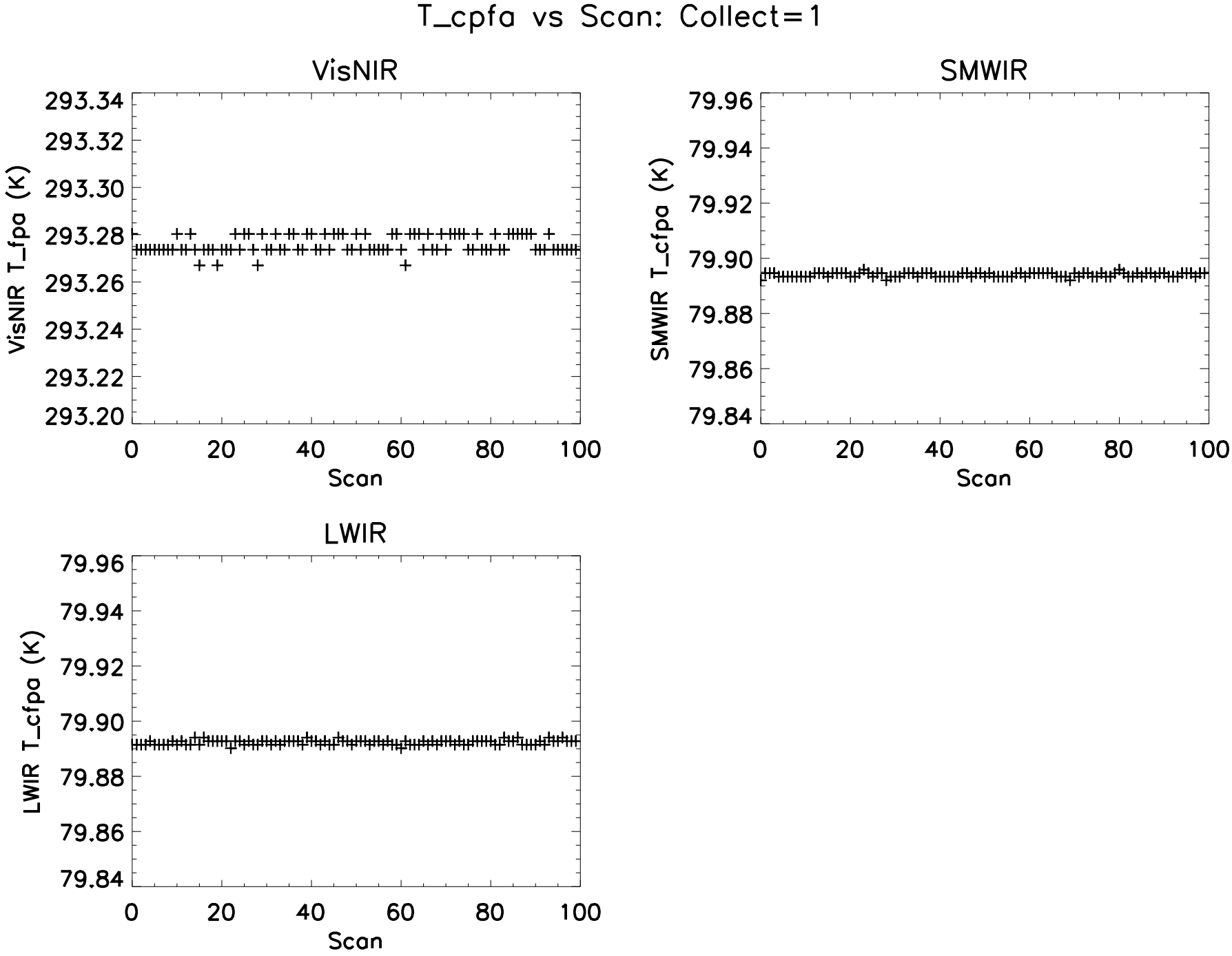

Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
LWIR T_cfpa (K)
Scan

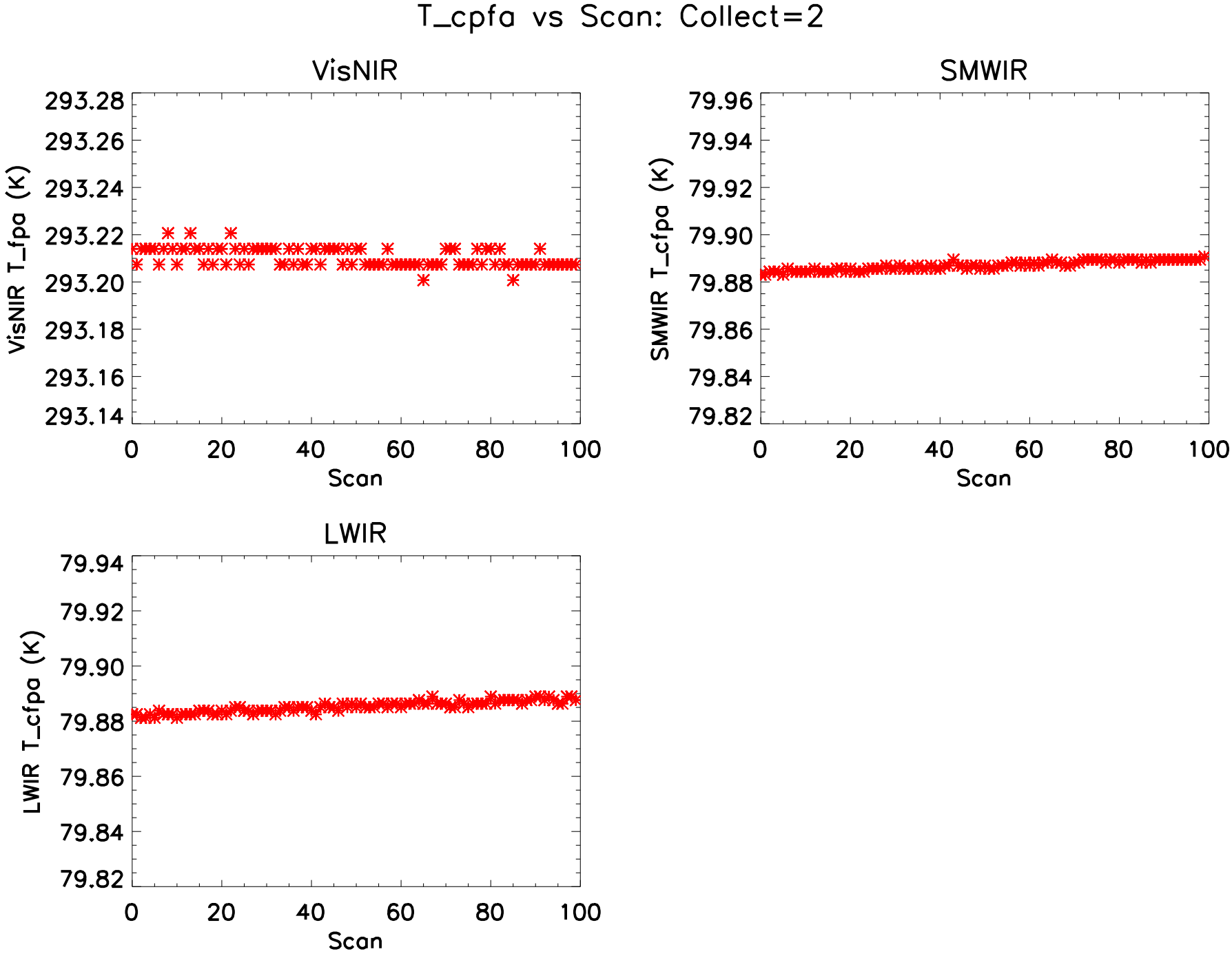
LWIR T_cfpa vs Scan

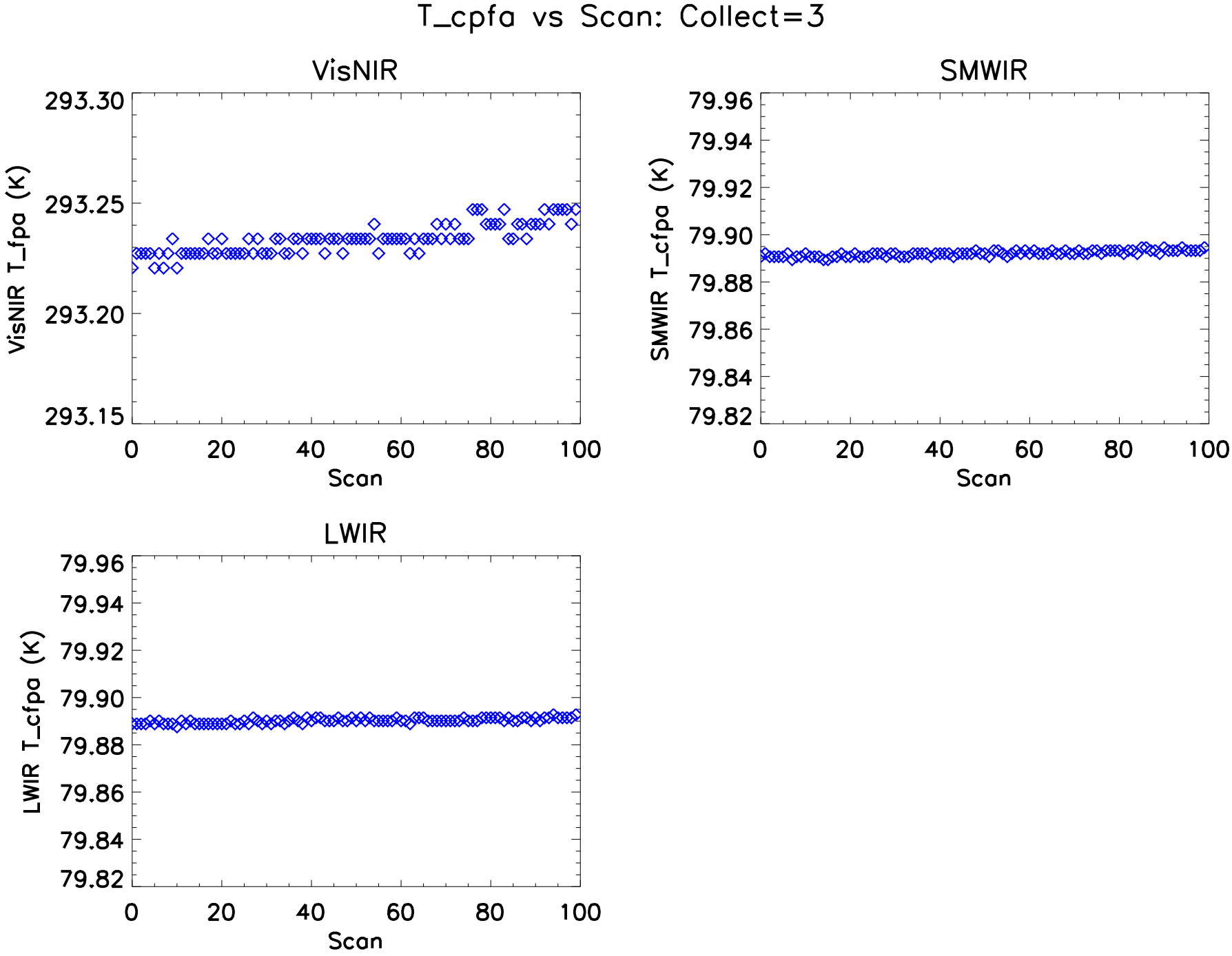


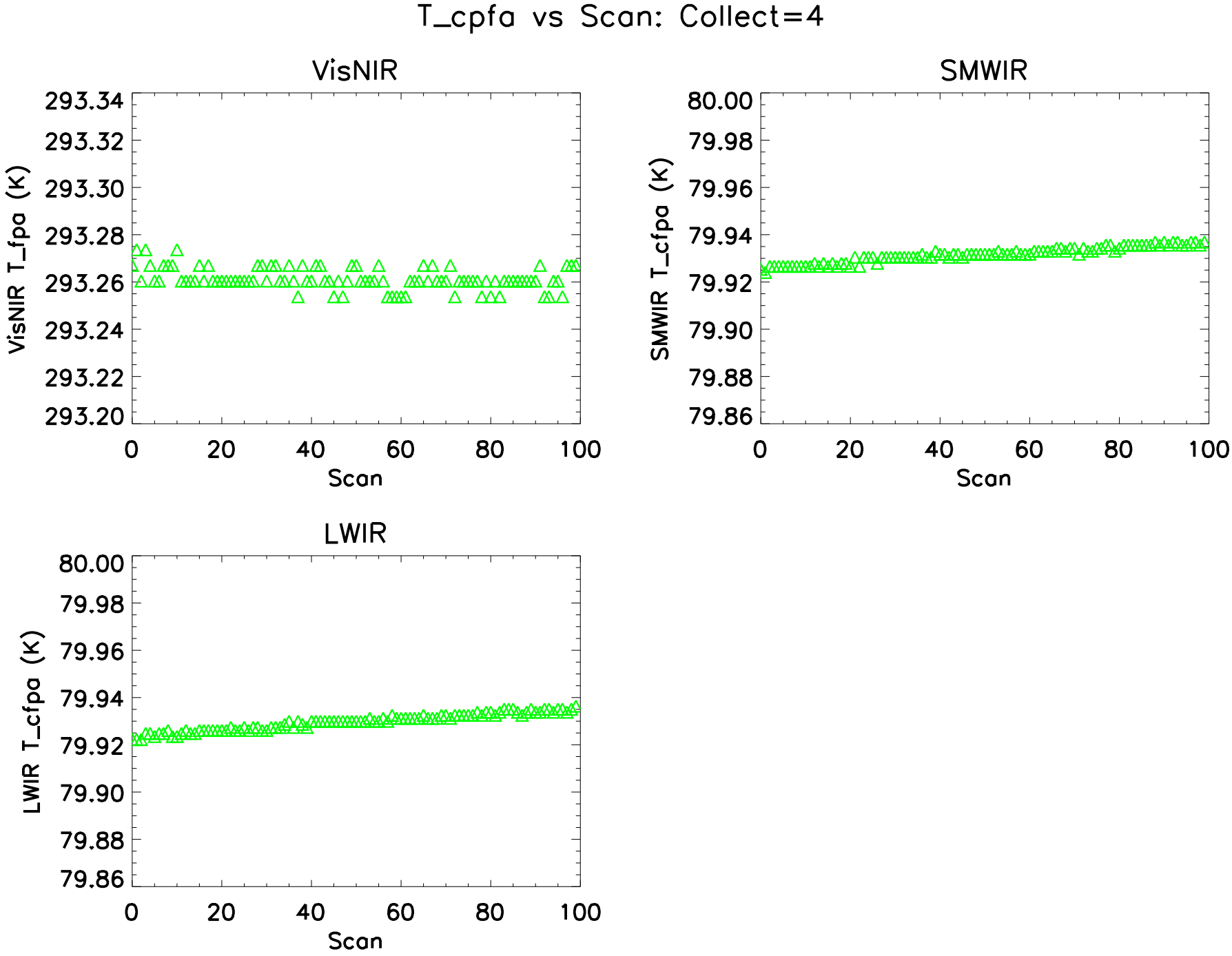


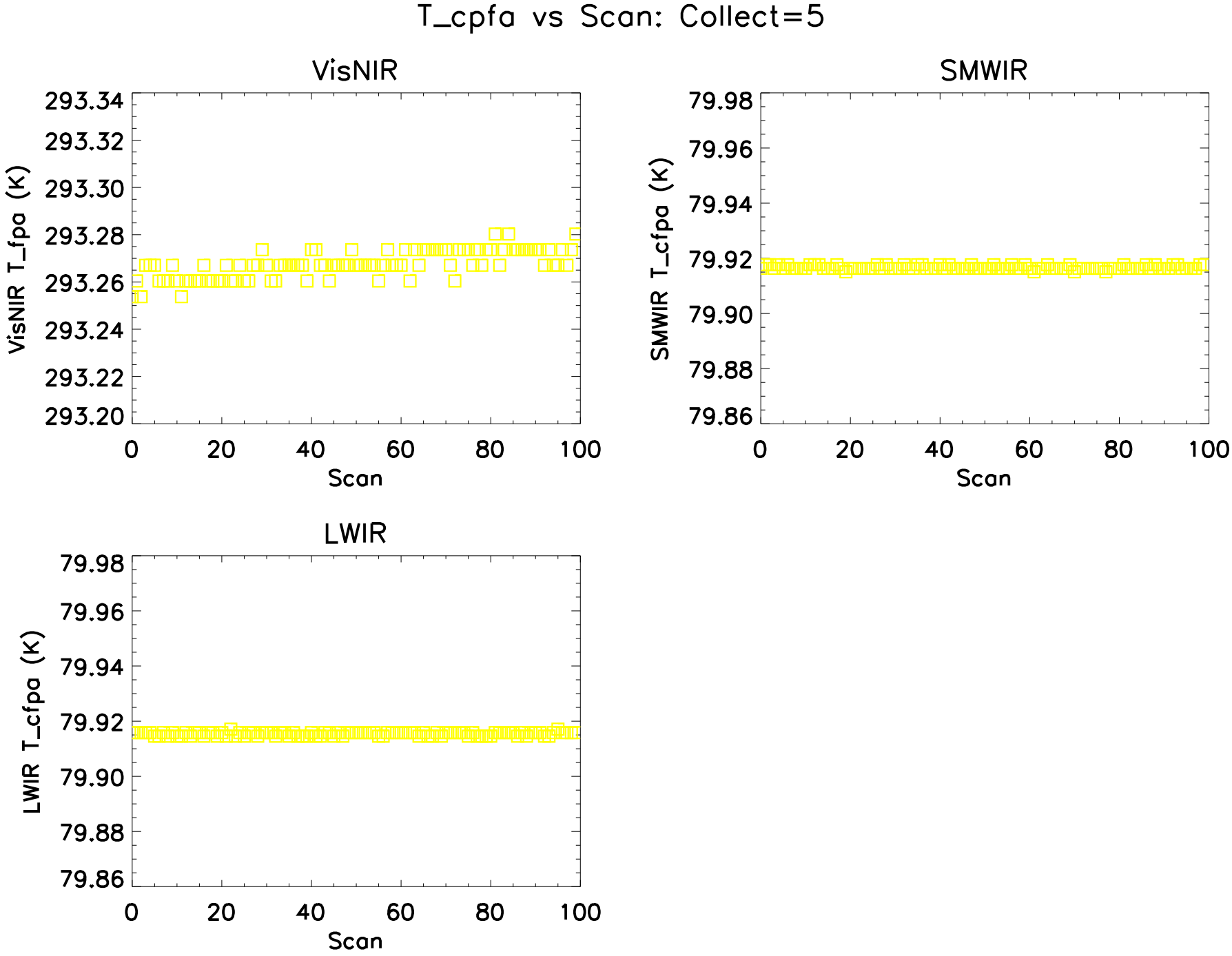


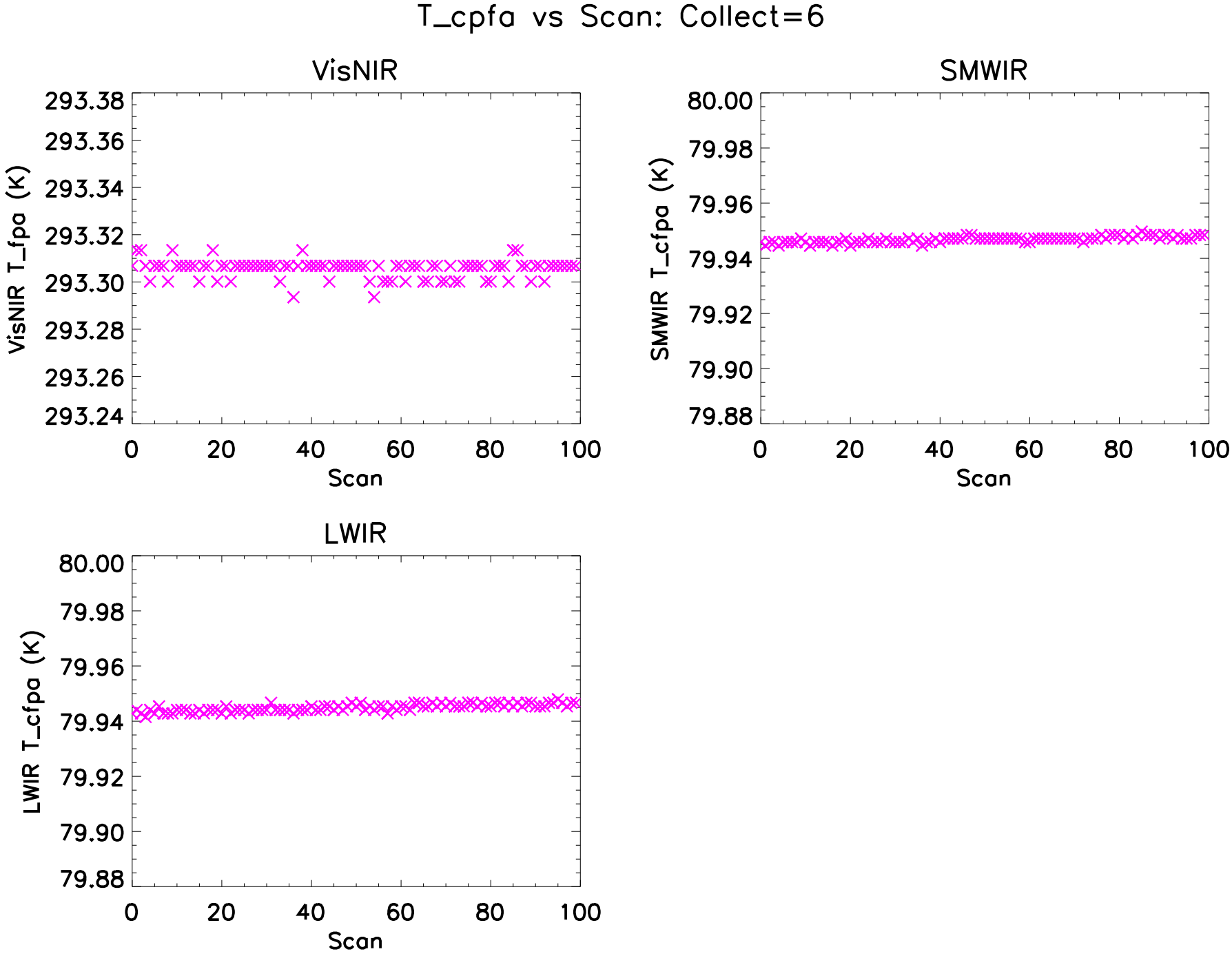

T_cpfa vs Scan: Collect=1
VisNIR
VisNIR T_fpa (K)
293.34
293.32
293.30
293.28
293.26
293.24
293.22
293.20
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
79.96
79.94
79.92
79.90
79.88
79.86
79.84
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
79.96
79.94
79.92
79.90
79.88
79.86
79.84
0
20
40
60
80
100
Scan

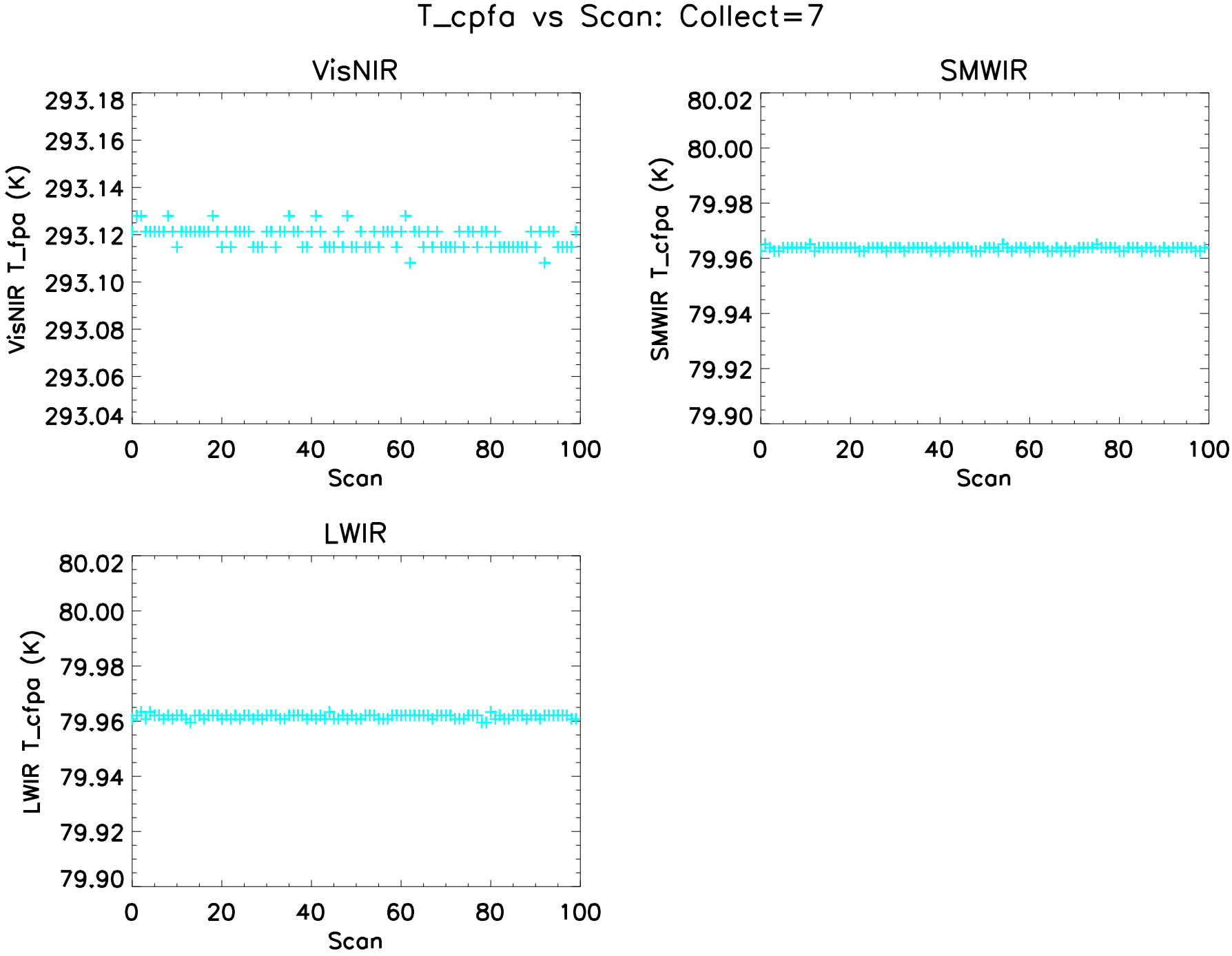

T_cpfa vs Scan: Collect=2
VisNIR
VisNIR T_fpa (K)
293.28
293.26
293.24
293.22
293.20
293.18
293.16
293.14
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
79.96
79.94
79.92
79.90
79.88
79.86
79.84
79.82
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
79.94
79.92
79.90
79.88
79.86
79.84
79.82
0
20
40
60
80
100
Scan

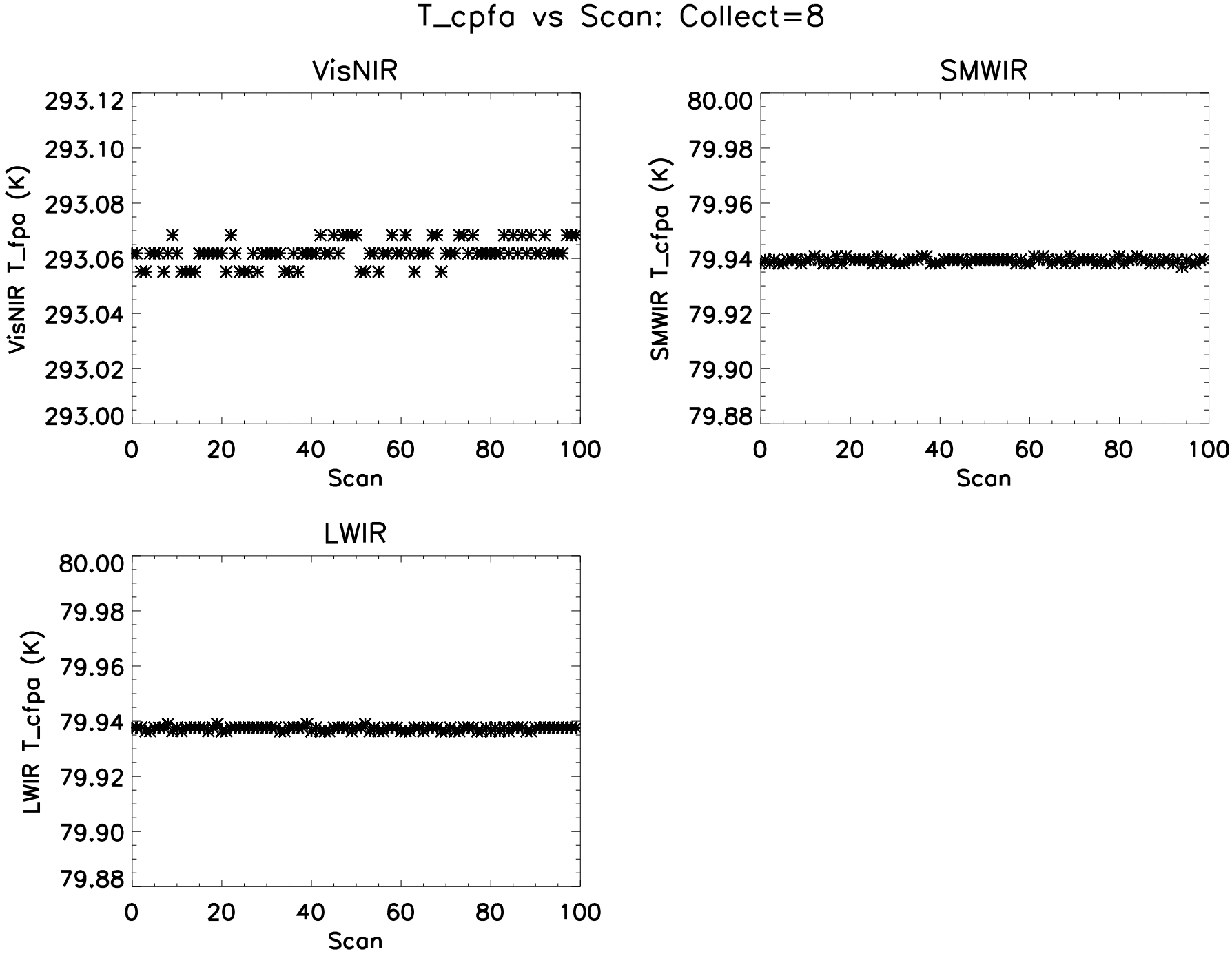

T_cpfa vs Scan: Collect=3
VisNIR
VisNIR T_fpa (K)
293.30
293.25
293.20
293.15
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
79.96
79.94
79.92
79.90
79.88
79.86
79.84
79.82
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
79.96
79.94
79.92
79.90
79.88
79.86
79.84
79.82
0
20
40
60
80
100
Scan

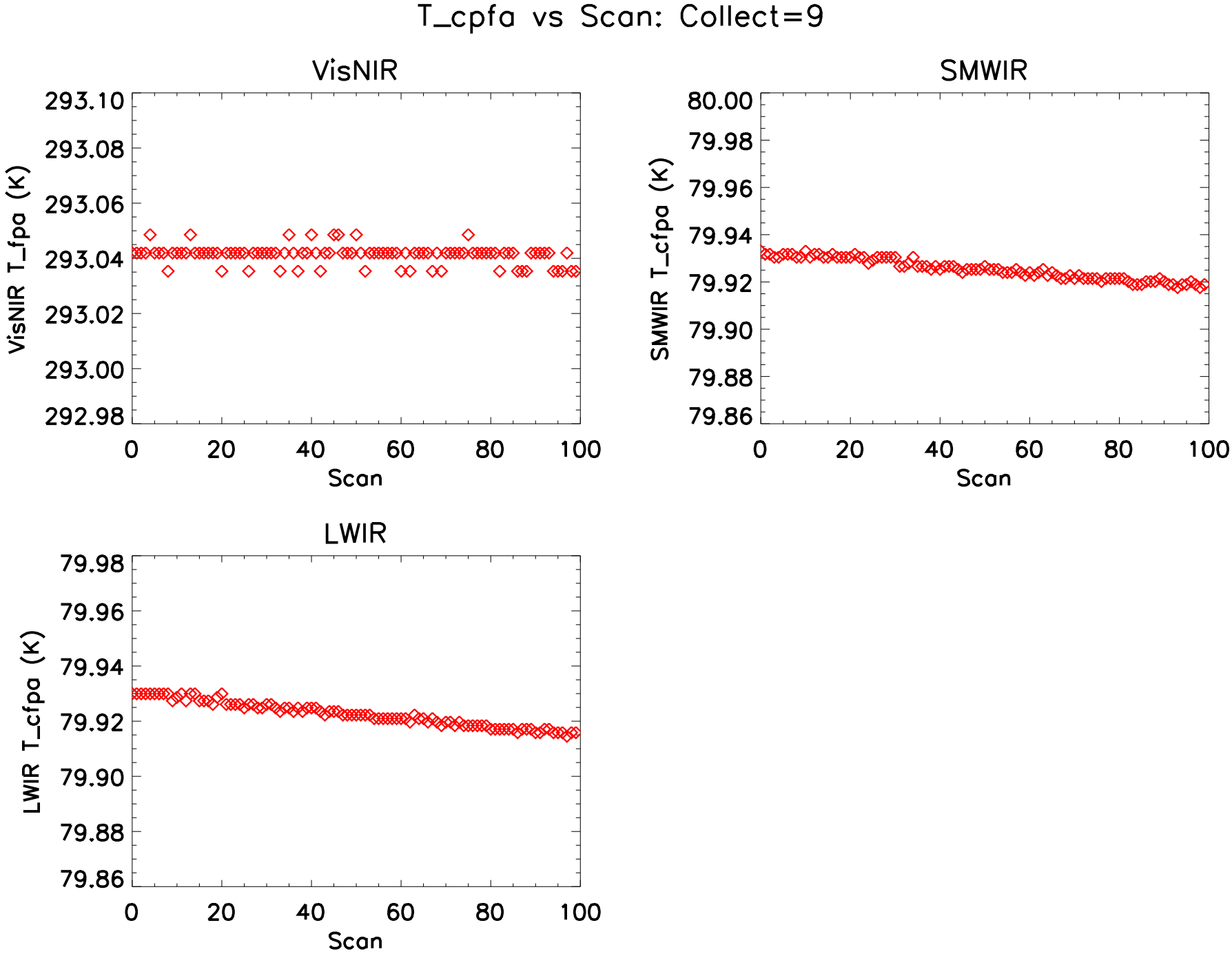

T_cpfa vs Scan: Collect=4
VisNIR
VisNIR T_fpa (K)
293.34
293.32
293.30
293.28
293.26
293.24
293.22
293.20
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
80.00
79.98
79.96
79.94
79.92
79.90
79.88
79.86
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
80.00
79.98
79.96
79.94
79.92
79.90
79.88
79.86
0
20
40
60
80
100
Scan

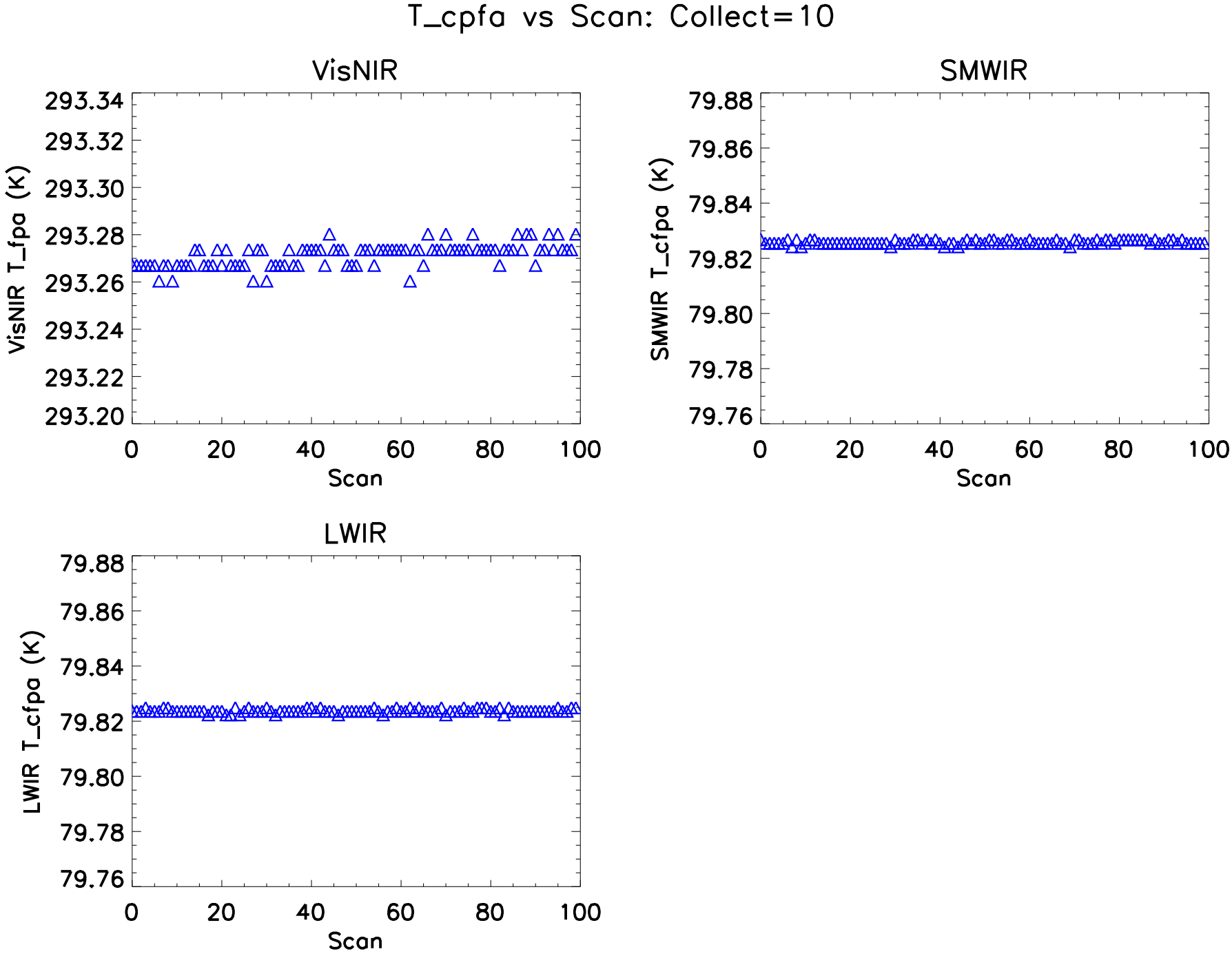

T_cpfa vs Scan: Collect=5
VisNIR
VisNIR T_fpa (K)
293.34
293.32
293.30
293.28
293.26
293.24
293.22
293.20
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
79.98
79.96
79.94
79.92
79.90
79.88
79.86
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
79.98
79.96
79.94
79.92
79.90
79.88
79.86
0
20
40
60
80
100
Scan

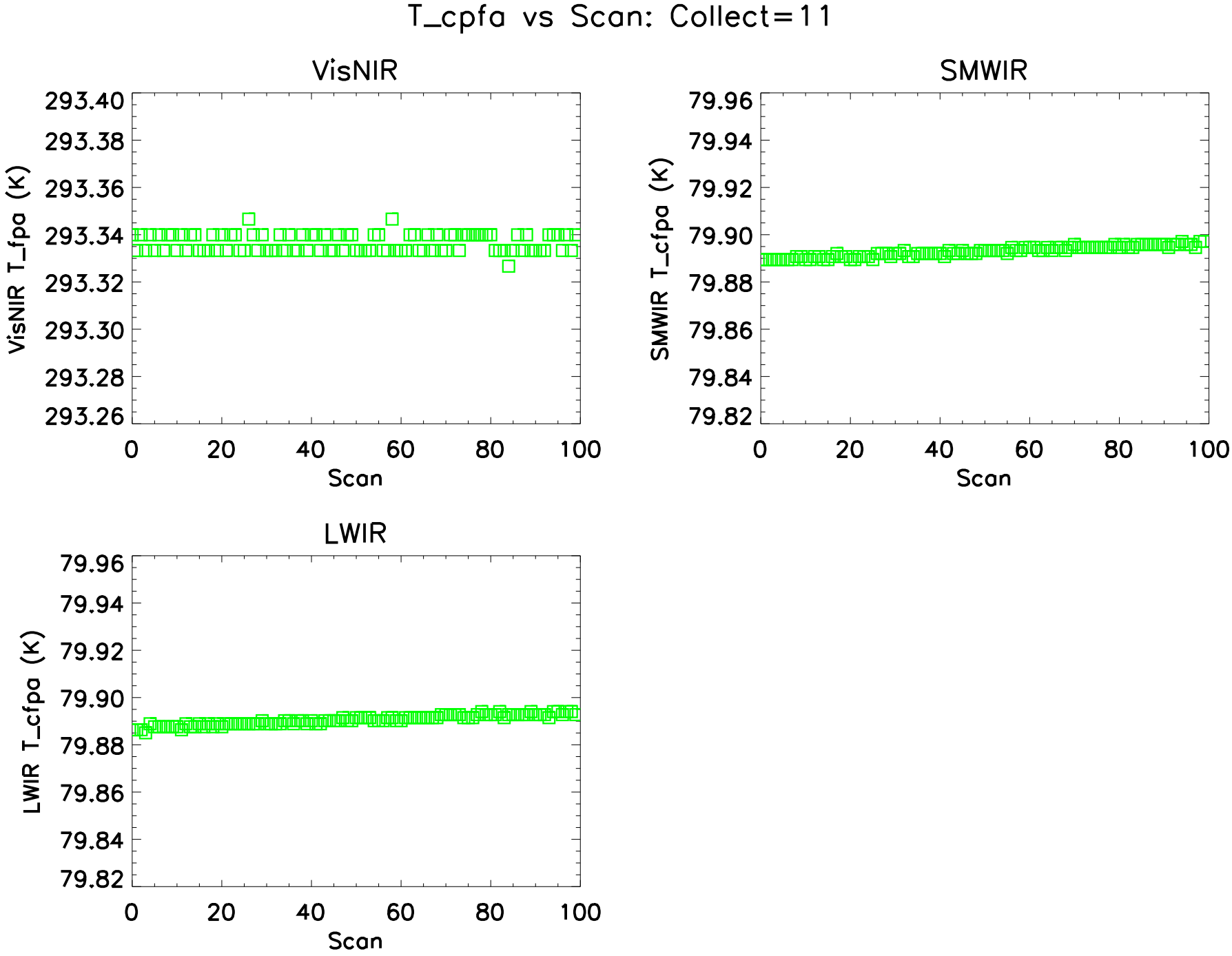

T_cpfa vs Scan: Collect=6
VisNIR
VisNIR T_fpa (K)
293.38
293.36
293.34
293.32
293.30
293.28
293.26
293.24
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
80.00
79.98
79.96
79.94
79.92
79.90
79.88
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
80.00
79.98
79.96
79.94
79.92
79.90
79.88
0
20
40
60
80
100
Scan

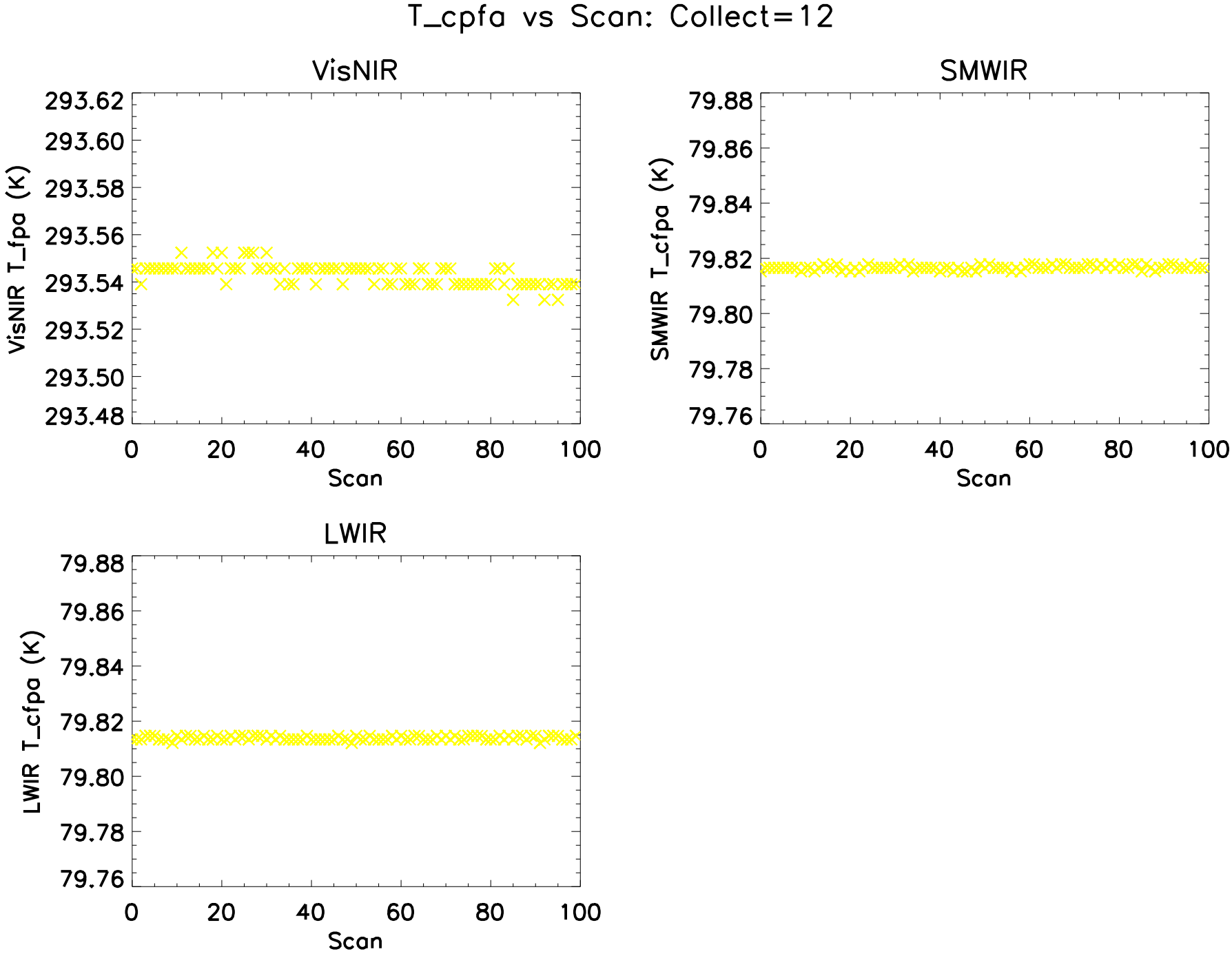

T_cpfa vs Scan: Collect=7
VisNIR
VisNIR T_fpa (K)
293.18
293.16
293.14
293.12
293.10
293.08
293.06
293.04
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
80.02
80.00
79.98
79.96
79.94
79.92
79.90
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
80.02
80.00
79.98
79.96
79.94
79.92
79.90
0
20
40
60
80
100
Scan

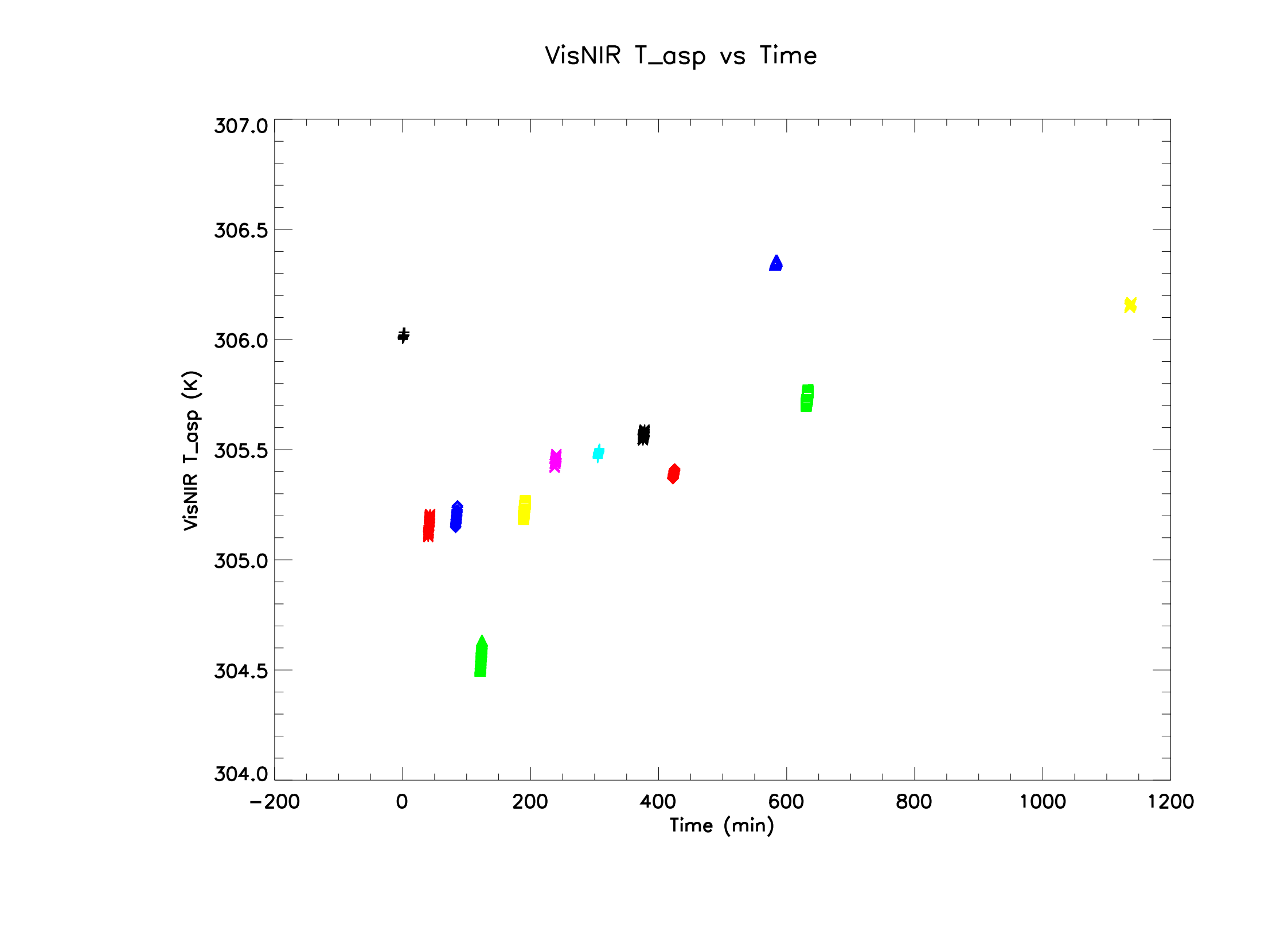

T_cpfa vs Scan: Collect=8
VisNIR
VisNIR T_fpa (K)
293.12
293.10
293.08
293.06
293.04
293.02
293.00
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
80.00
79.98
79.96
79.94
79.92
79.90
79.88
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
80.00
79.98
79.96
79.94
79.92
79.90
79.88
0
20
40
60
80
100
Scan

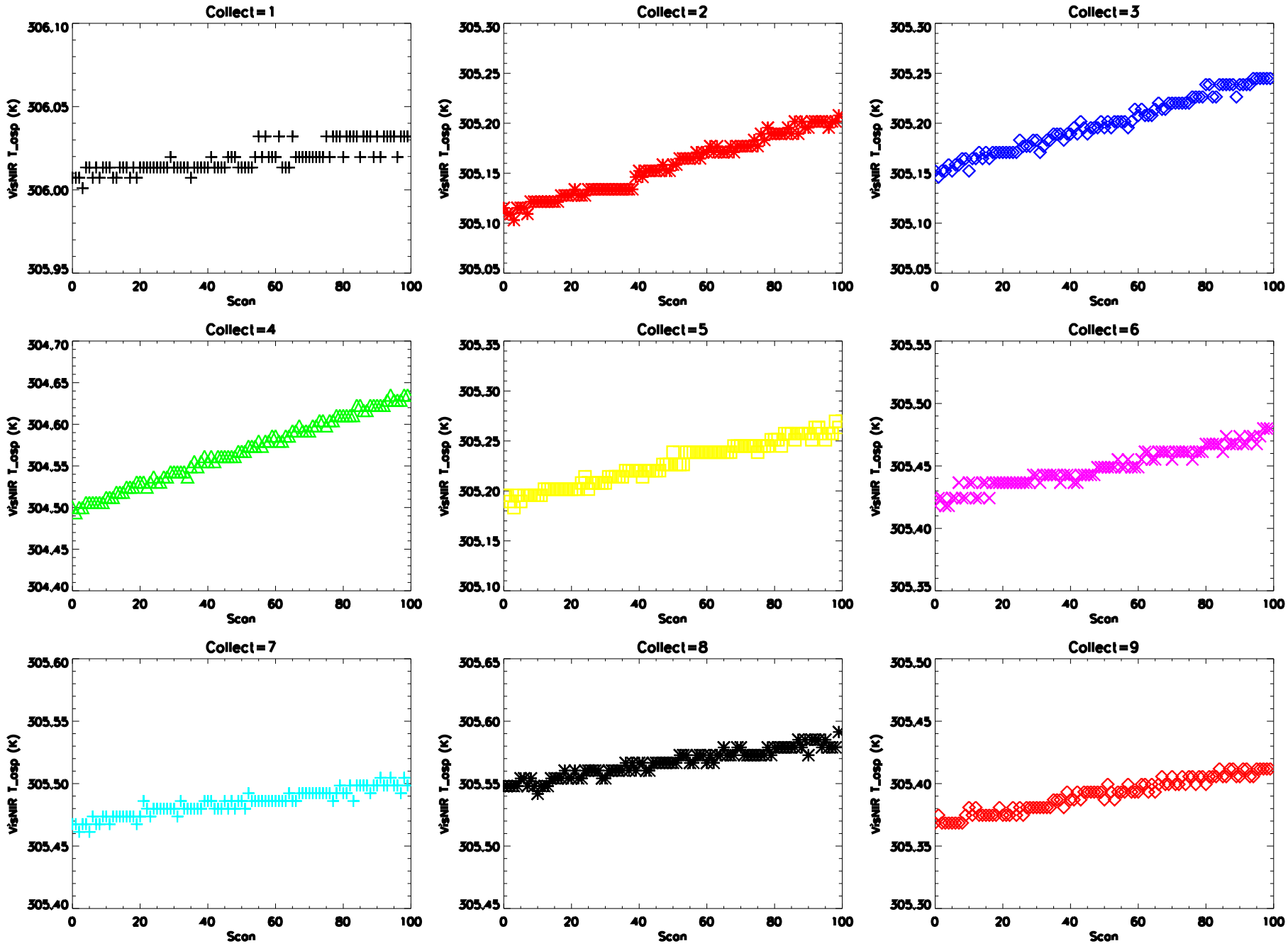

T_cpfa vs Scan: Collect=9
VisNIR
VisNIR T_fpa (K)
293.10
293.08
293.06
293.04
293.02
293.00
292.98
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
80.00
79.98
79.96
79.94
79.92
79.90
79.88
79.86
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
79.98
79.96
79.94
79.92
79.90
79.88
79.86
0
20
40
60
80
100
Scan


T_cpfa vs Scan: Collect=10
VisNIR
VisNIR T_fpa (K)
293.34
293.32
293.30
293.28
293.26
293.24
293.22
293.20
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
79.88
79.86
79.84
79.82
79.80
79.78
79.76
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
79.88
79.86
79.84
79.82
79.80
79.78
79.76
0
20
40
60
80
100
Scan

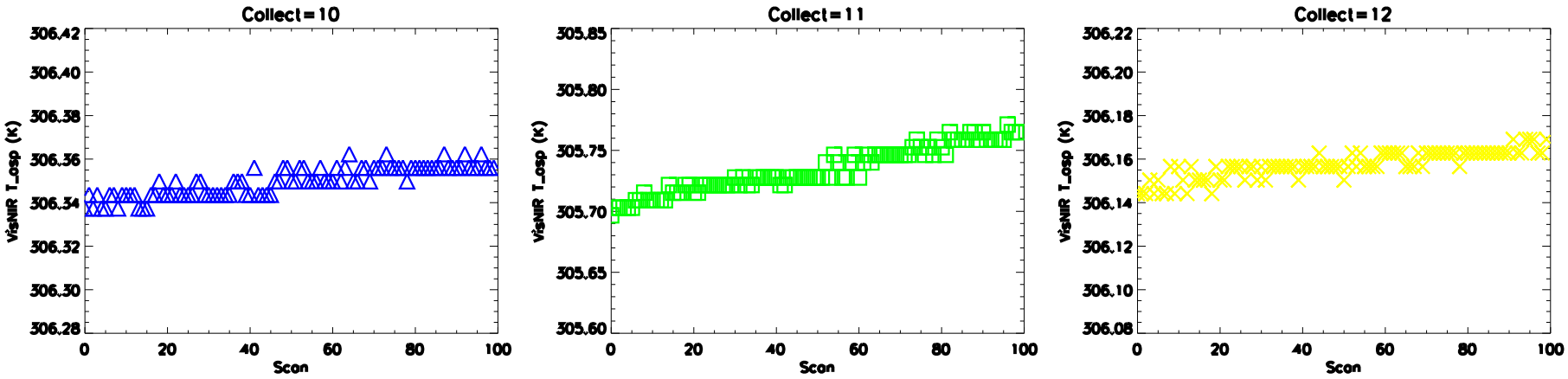

T_cpfa vs Scan: Collect=11
VisNIR
VisNIR T_fpa (K)
293.40
293.38
293.36
293.34
293.32
293.30
293.28
293.26
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
79.96
79.94
79.92
79.90
79.88
79.86
79.84
79.82
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
79.96
79.94
79.92
79.90
79.88
79.86
79.84
79.82
0
20
40
60
80
100
Scan

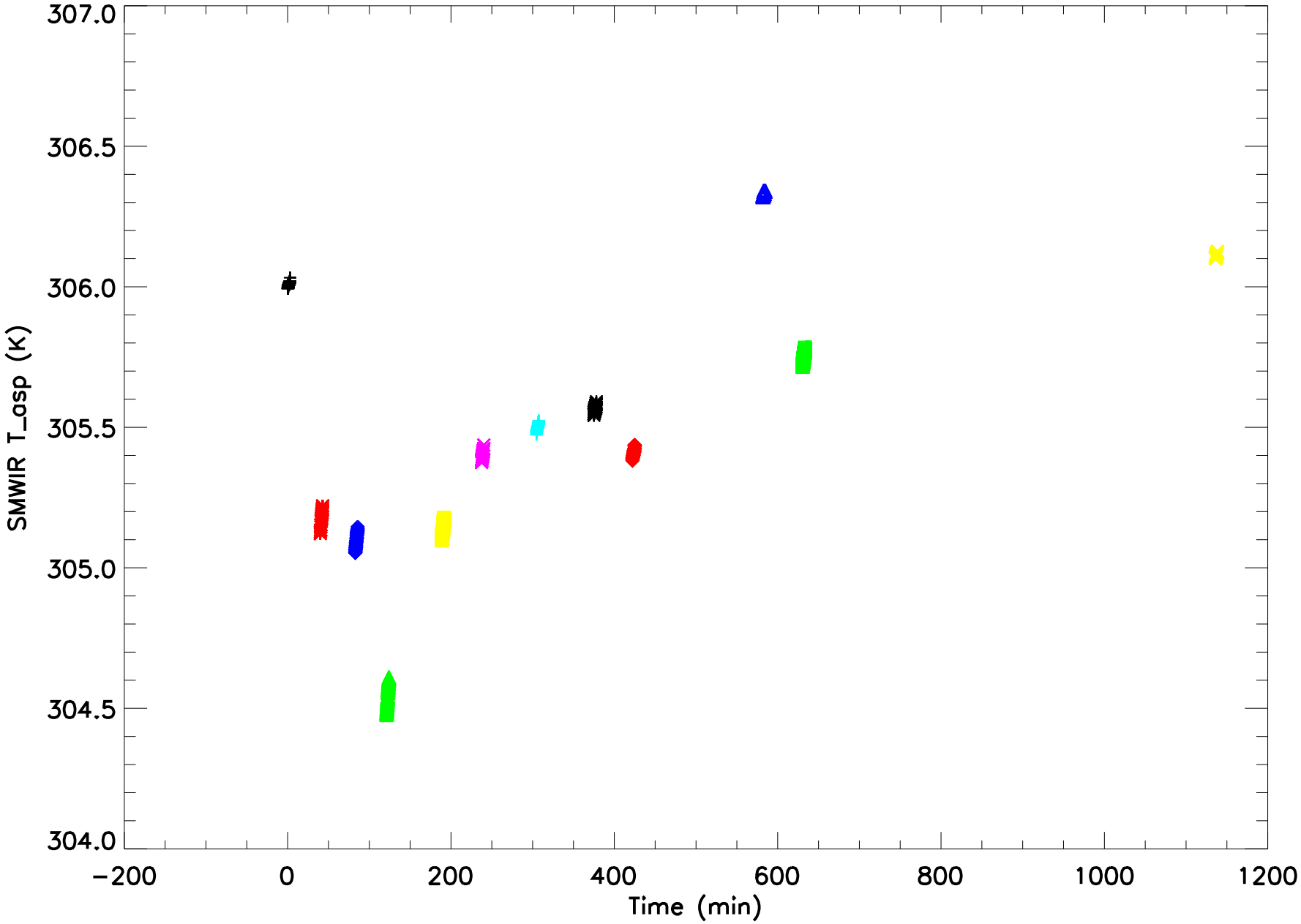

T_cpfa vs Scan: Collect=12
VisNIR
VisNIR T_fpa (K)
293.62
293.60
293.58
293.56
293.54
293.52
293.50
293.48
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
79.88
79.86
79.84
79.82
79.80
79.78
79.76
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
79.88
79.86
79.84
79.82
79.80
79.78
79.76
0
20
40
60
80
100
Scan

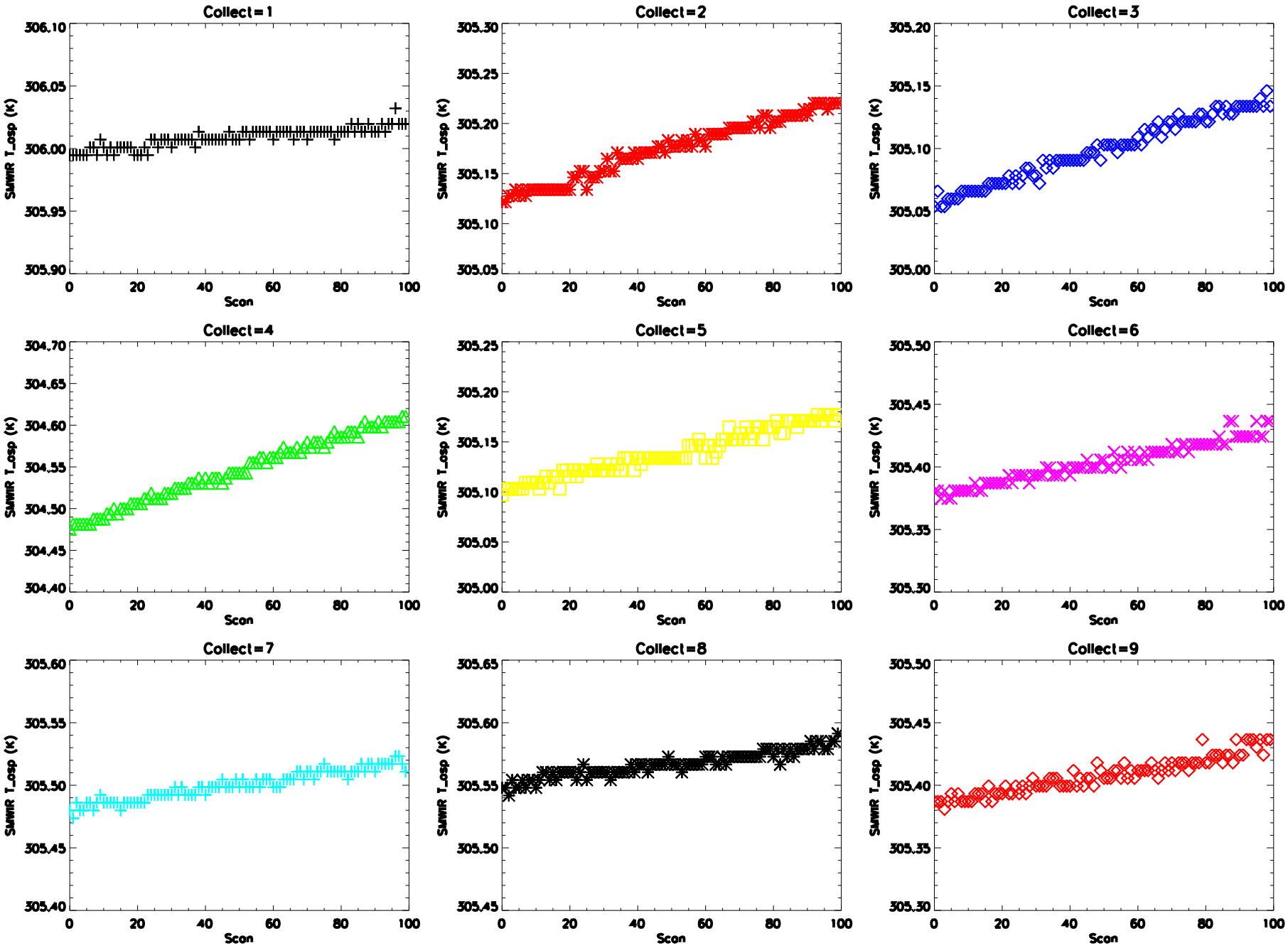

VisNIR T_asp vs Time
VisNIR T_asp (K)
307.0
306.5
306.0
305.5
305.0
304.5
304.0
−200
0
200
400
600
800
1000
1200
Time (min)


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

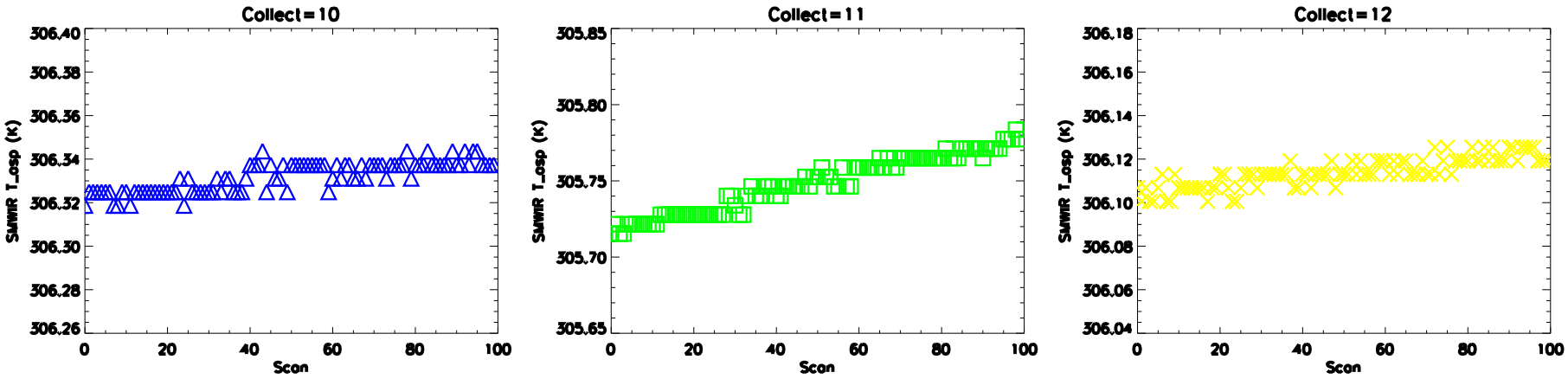
VisNIR T_asp vs Scan

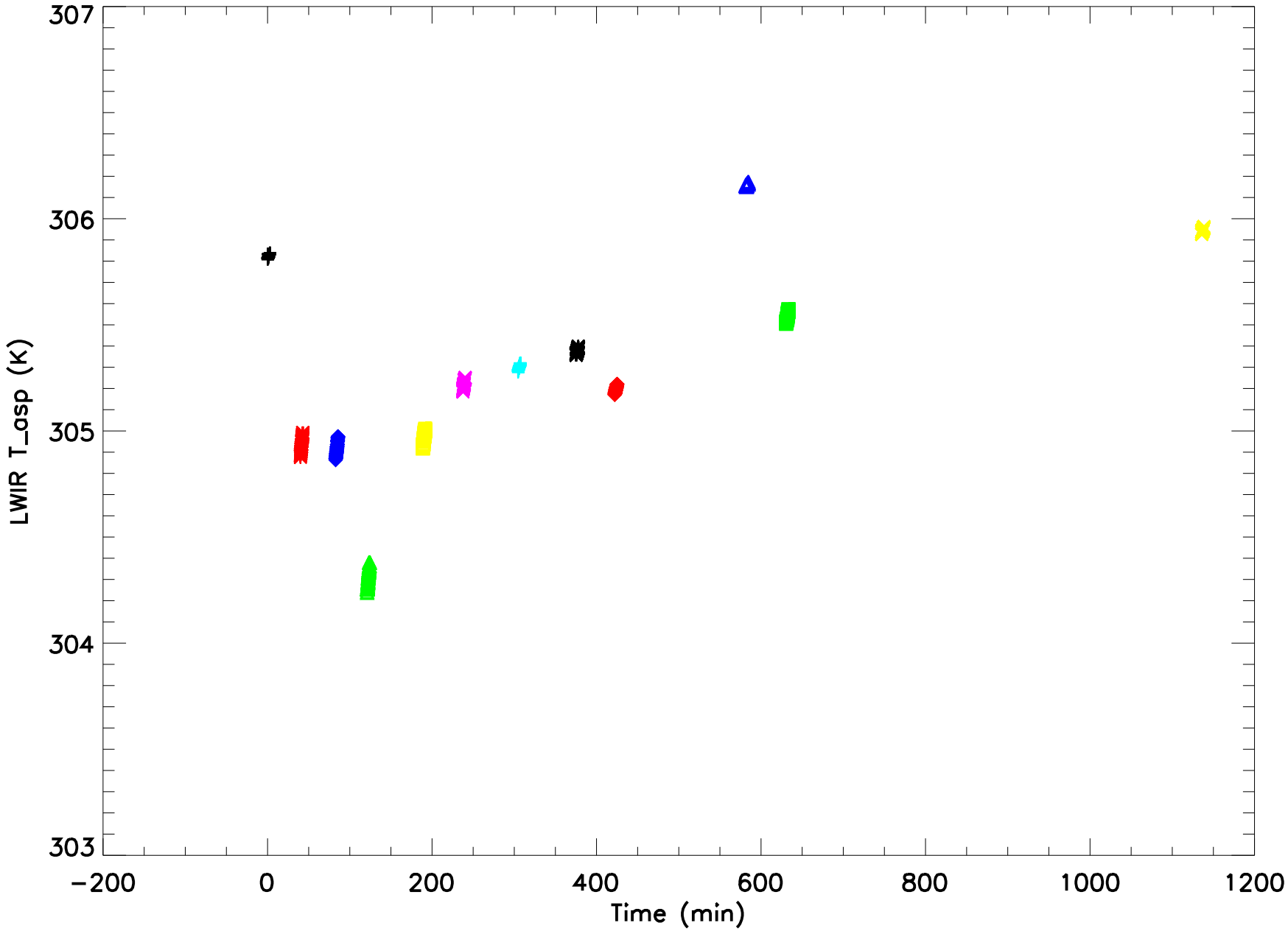


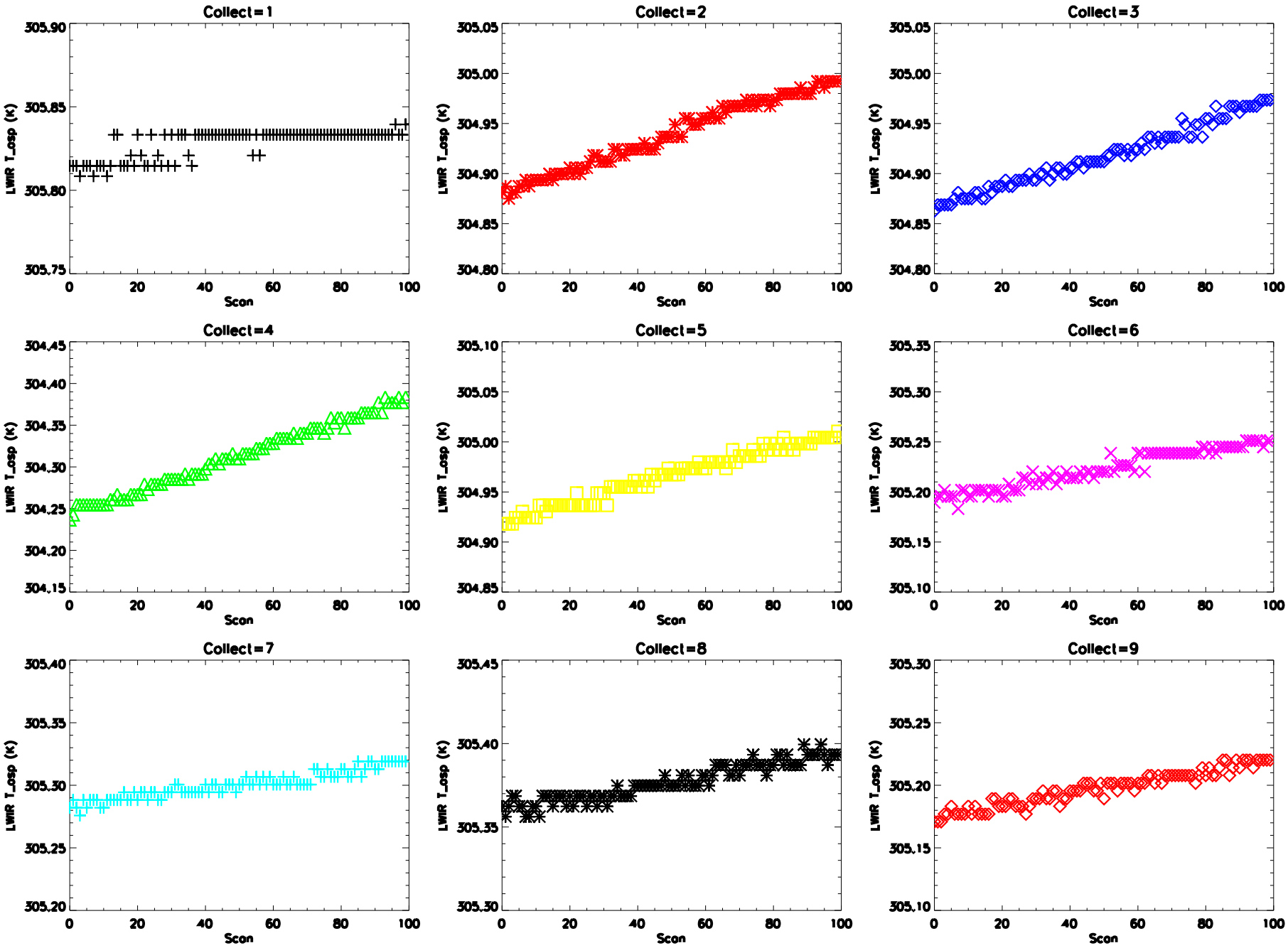

SMWIR T_asp vs Time
307.0
306.5
306.0
305.5
305.0
304.5
304.0
SMWIR T_asp (K)
−200
0
200
400
600
800
1000
1200
Time (min)


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

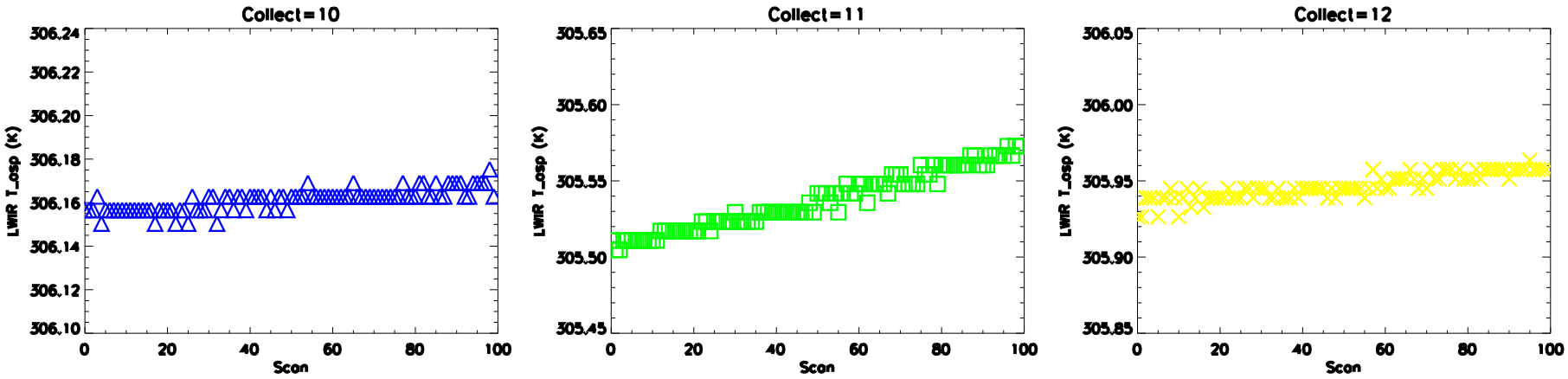
SMWIR T_asp vs Scan

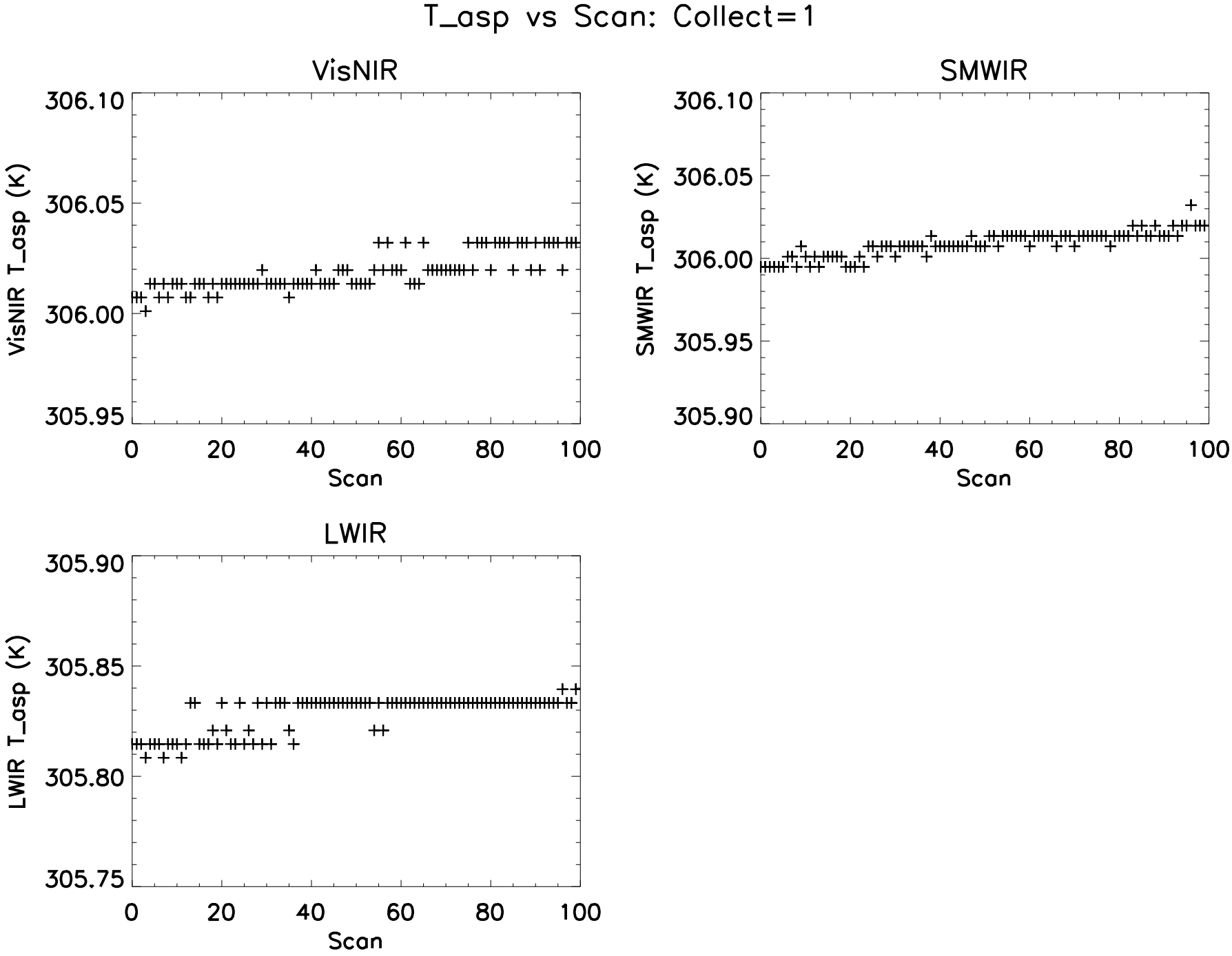


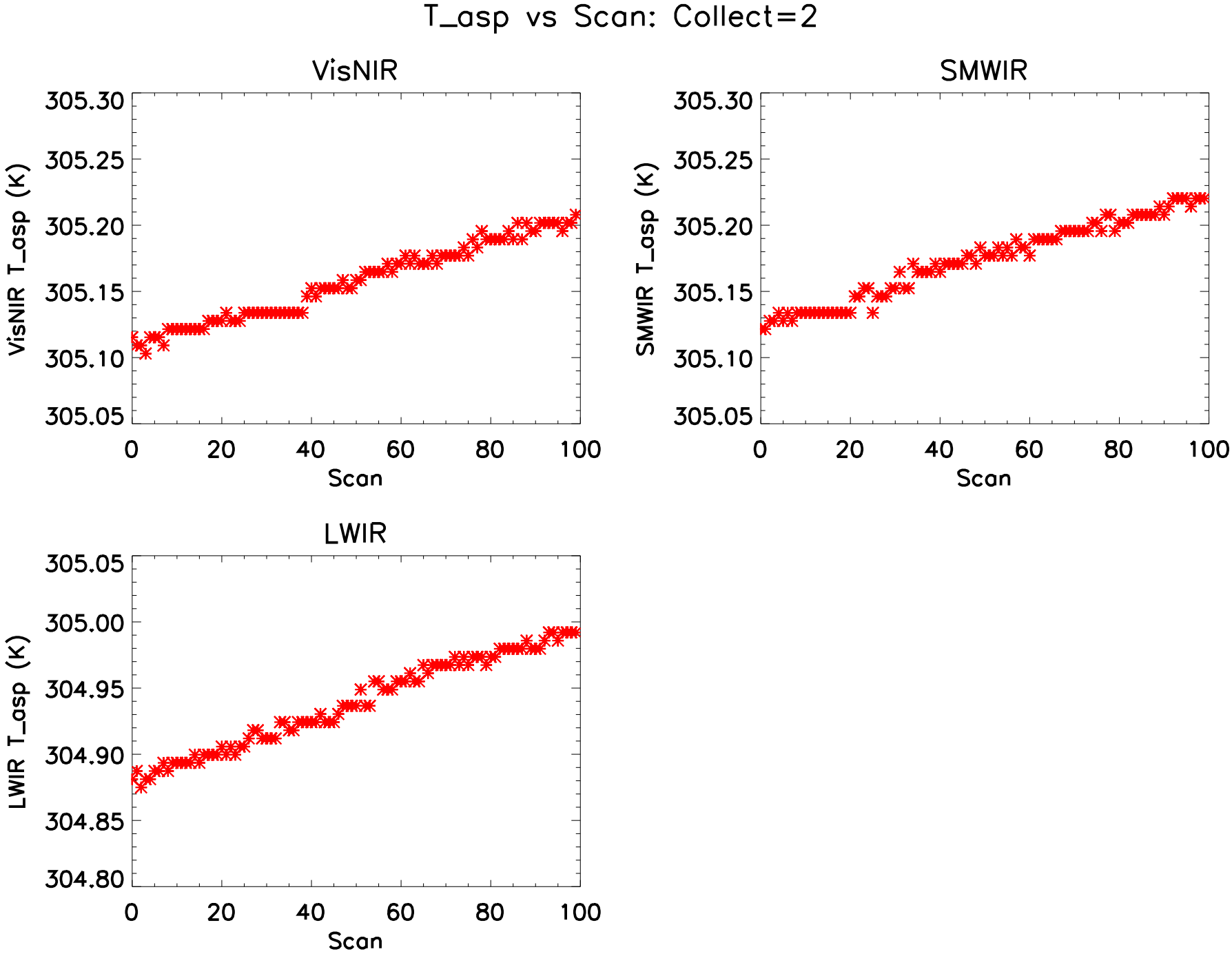

LWIR T_asp vs Time
LWIR T_asp (K)
307
306
305
304
303
−200
0
200
400
600
800
1000
1200
Time (min)

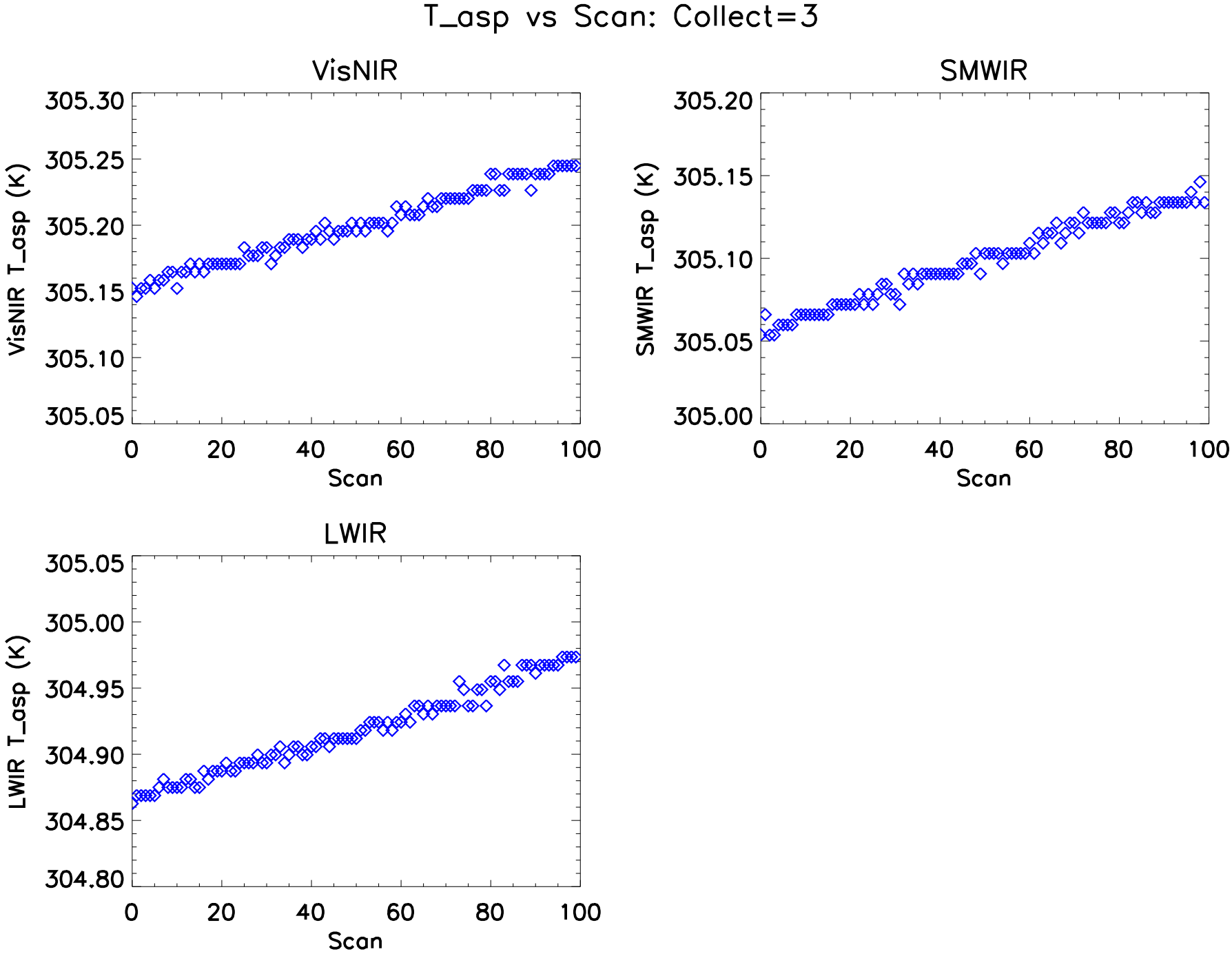

Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
LWIR T_osp (K)
Scan

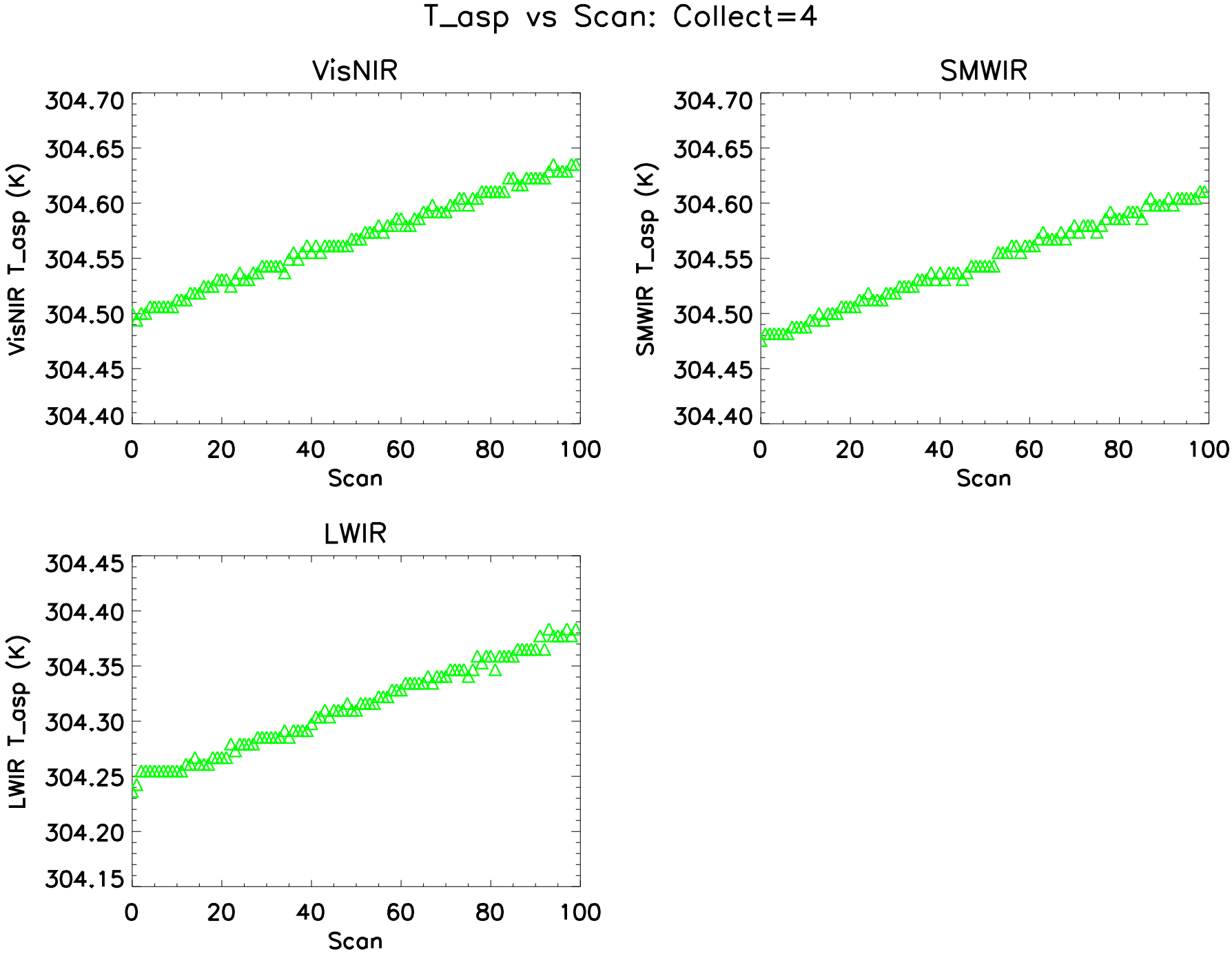
LWIR T_asp vs Scan

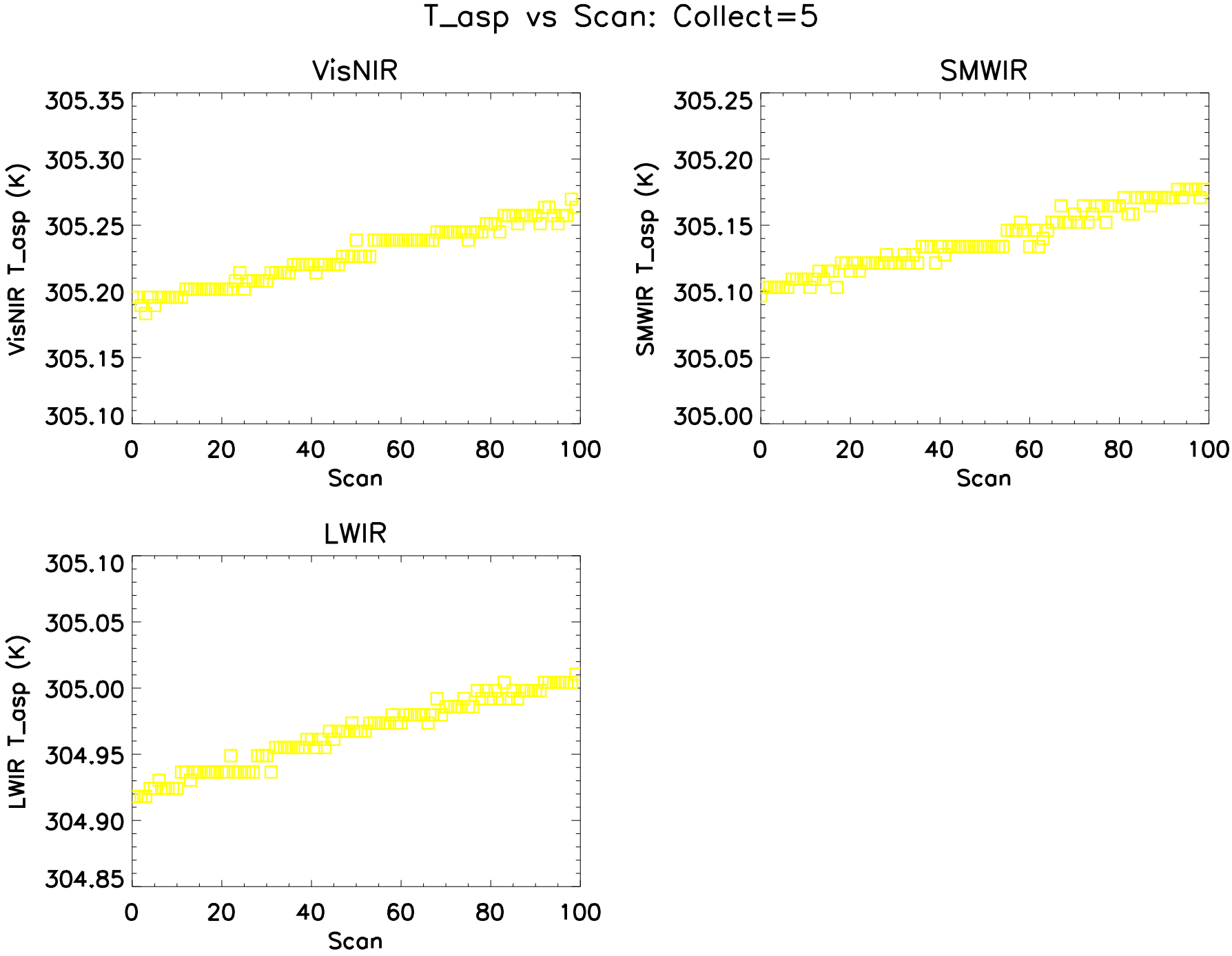


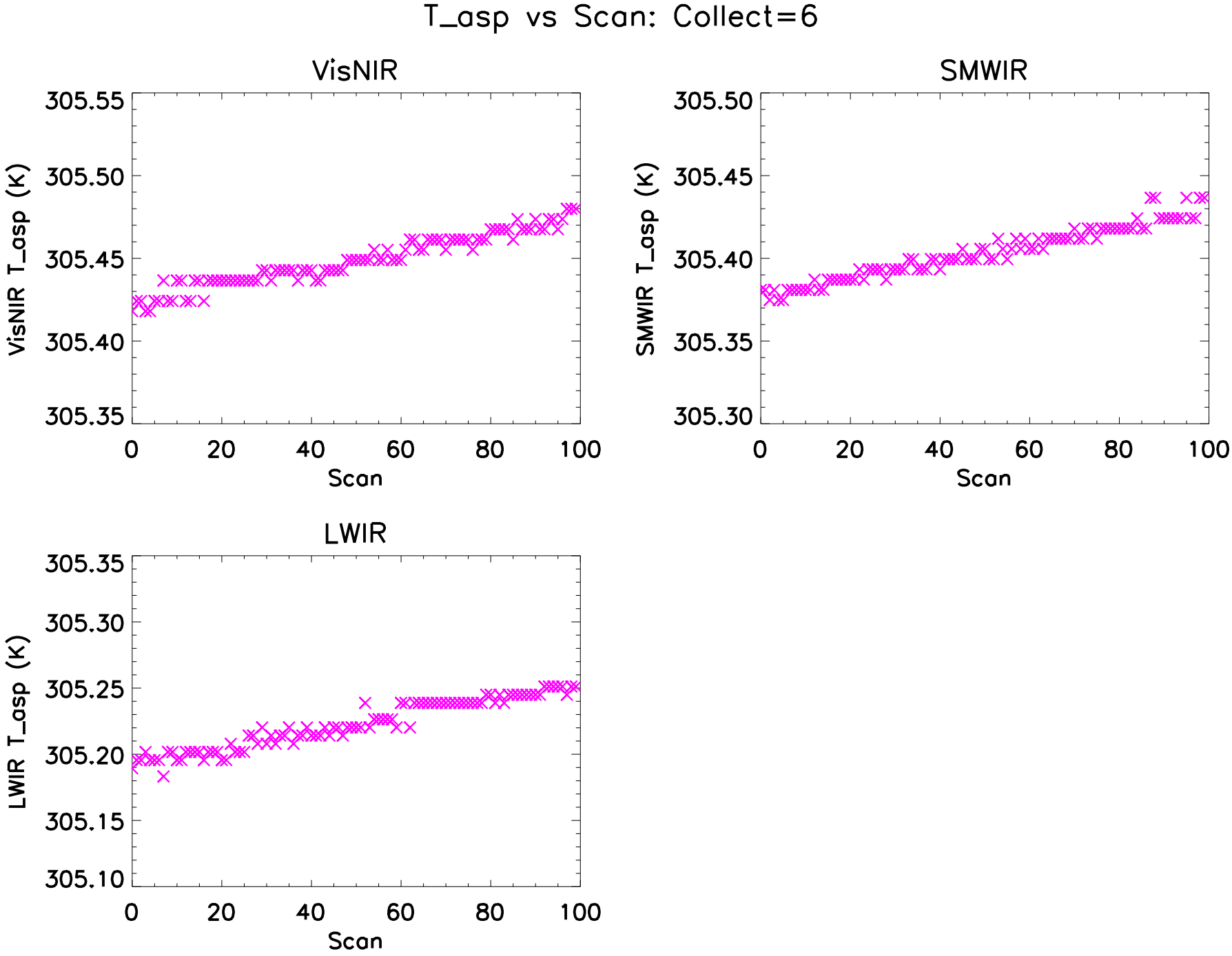

T_asp vs Scan: Collect=1
VisNIR
VisNIR T_asp (K)
306.10
306.05
306.00
305.95
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
306.10
306.05
306.00
305.95
305.90
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
305.90
305.85
305.80
305.75
0
20
40
60
80
100
Scan

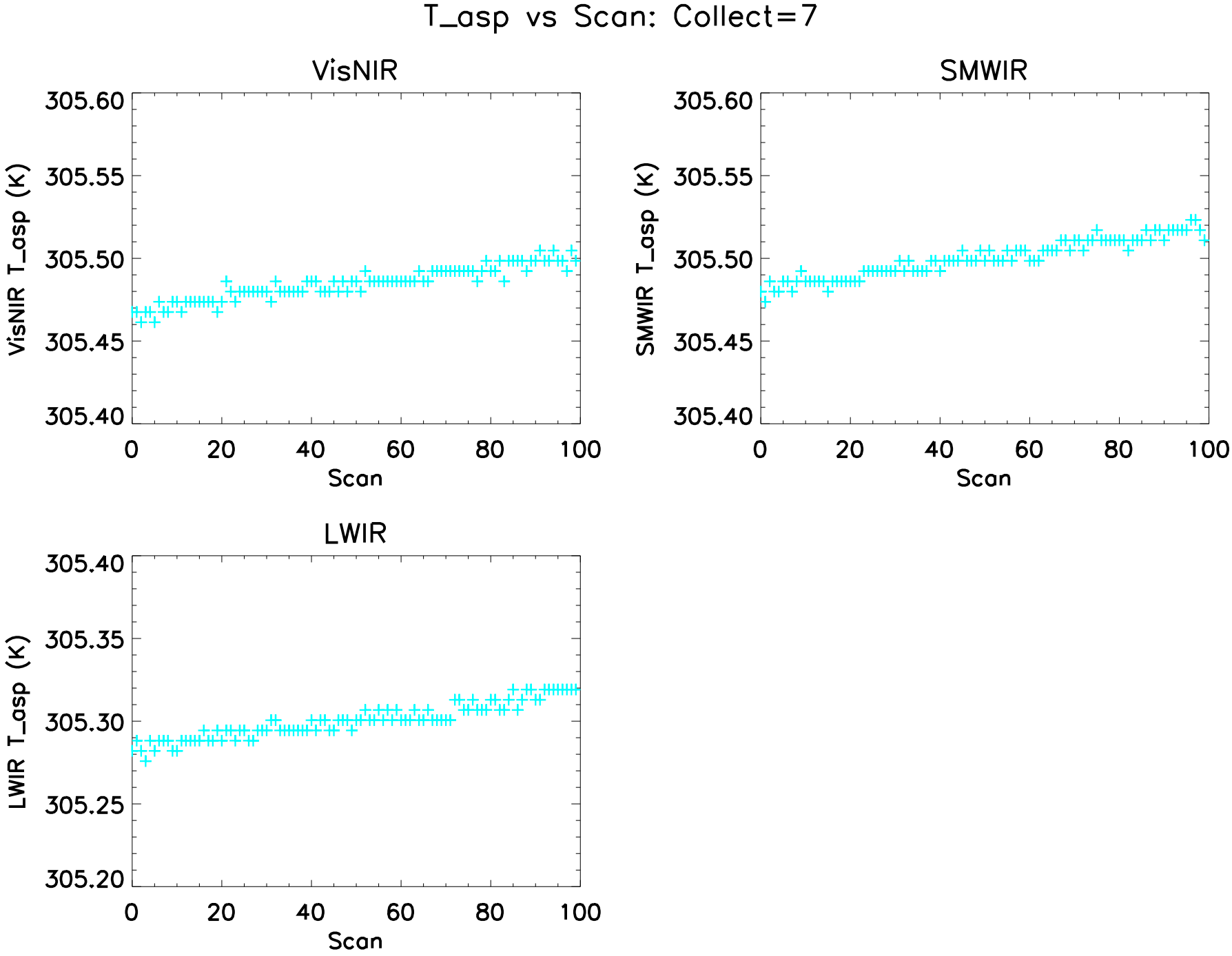

T_asp vs Scan: Collect=2
VisNIR
VisNIR T_asp (K)
305.30
305.25
305.20
305.15
305.10
305.05
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
305.30
305.25
305.20
305.15
305.10
305.05
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
305.05
305.00
304.95
304.90
304.85
304.80
0
20
40
60
80
100
Scan

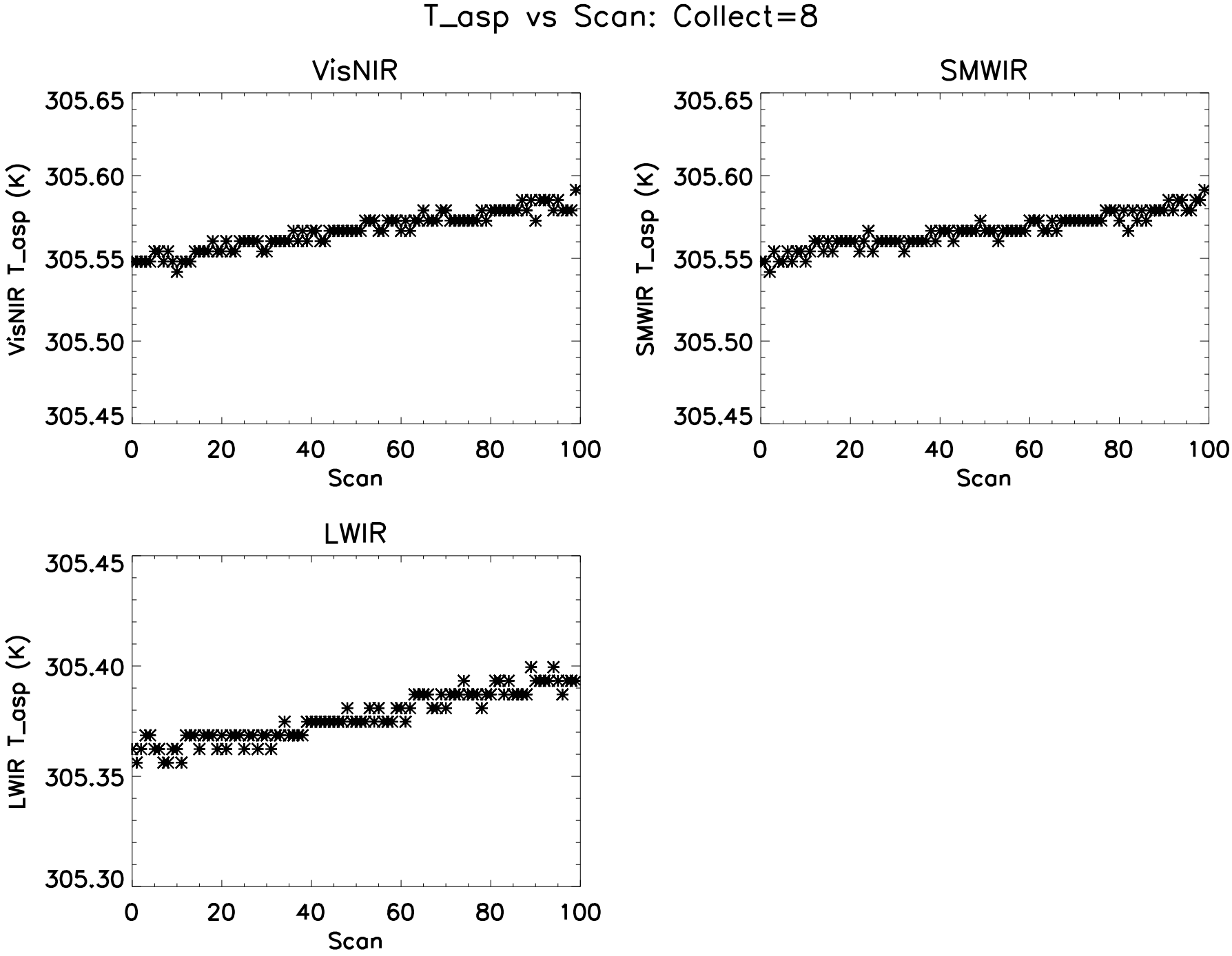

T_asp vs Scan: Collect=3
VisNIR
VisNIR T_asp (K)
305.30
305.25
305.20
305.15
305.10
305.05
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
305.20
305.15
305.10
305.05
305.00
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
305.05
305.00
304.95
304.90
304.85
304.80
0
20
40
60
80
100
Scan

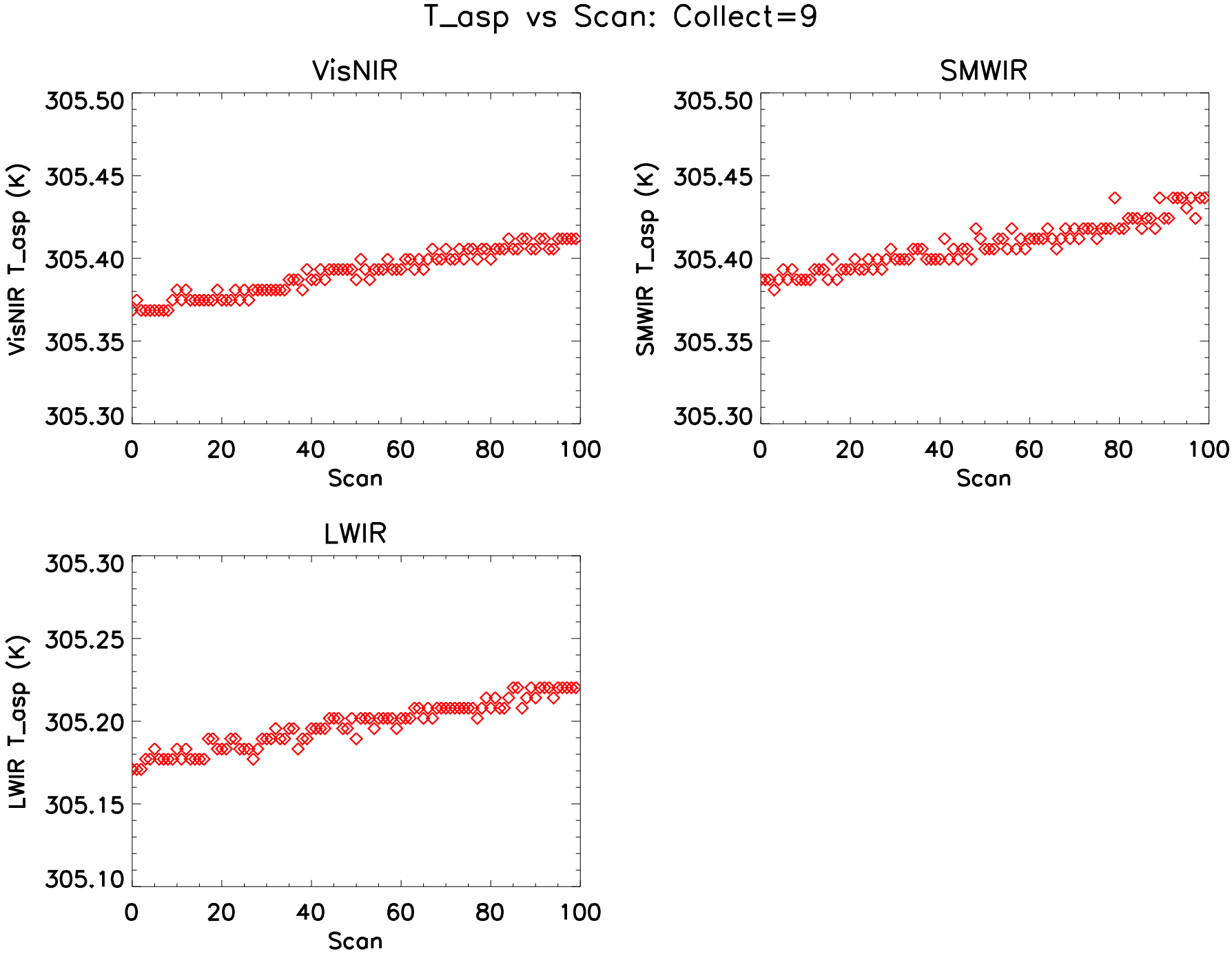

T_asp vs Scan: Collect=4
VisNIR
VisNIR T_asp (K)
304.70
304.65
304.60
304.55
304.50
304.45
304.40
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
304.70
304.65
304.60
304.55
304.50
304.45
304.40
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
304.45
304.40
304.35
304.30
304.25
304.20
304.15
0
20
40
60
80
100
Scan

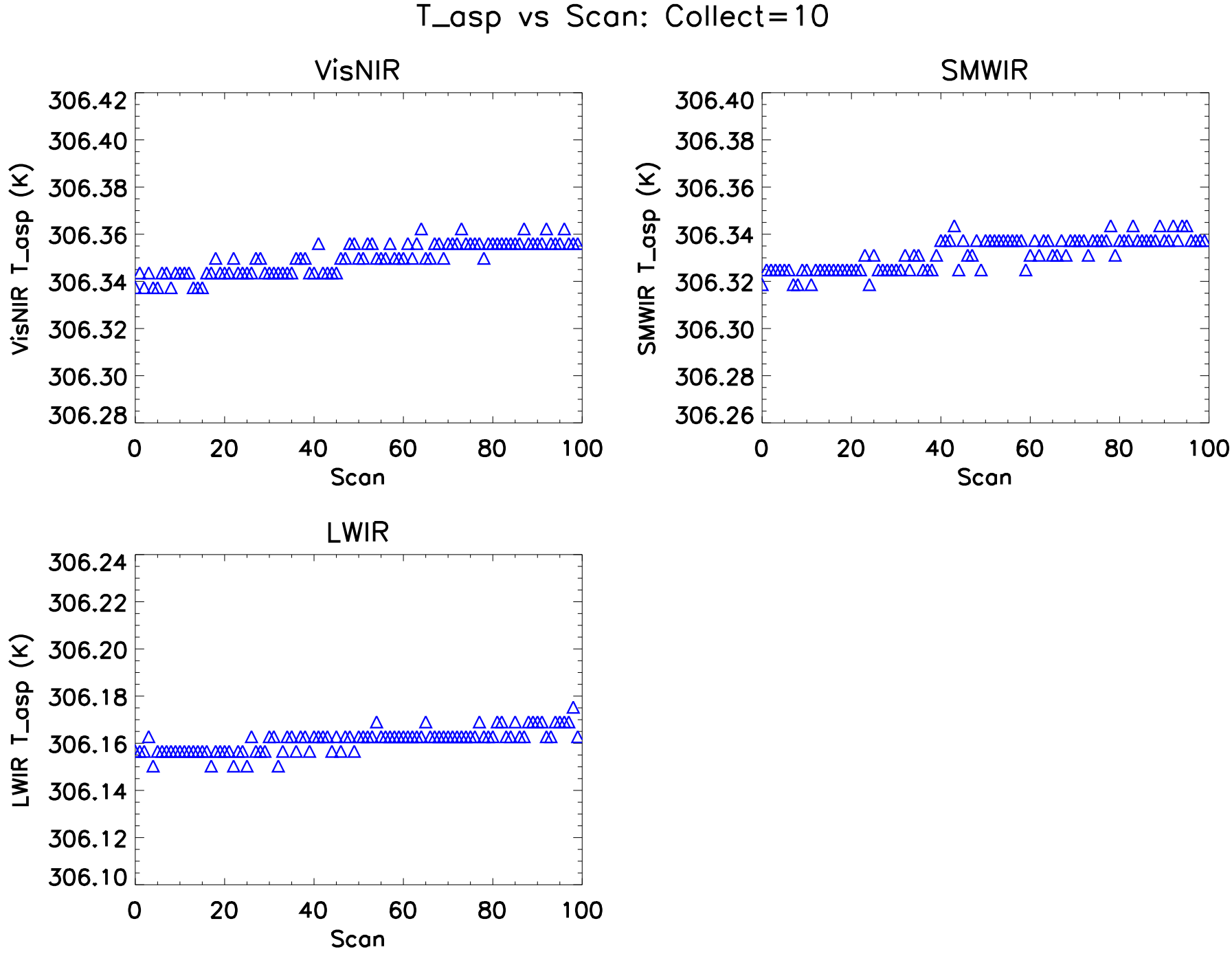

T_asp vs Scan: Collect=5
VisNIR
VisNIR T_asp (K)
305.35
305.30
305.25
305.20
305.15
305.10
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
305.25
305.20
305.15
305.10
305.05
305.00
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
305.10
305.05
305.00
304.95
304.90
304.85
0
20
40
60
80
100
Scan

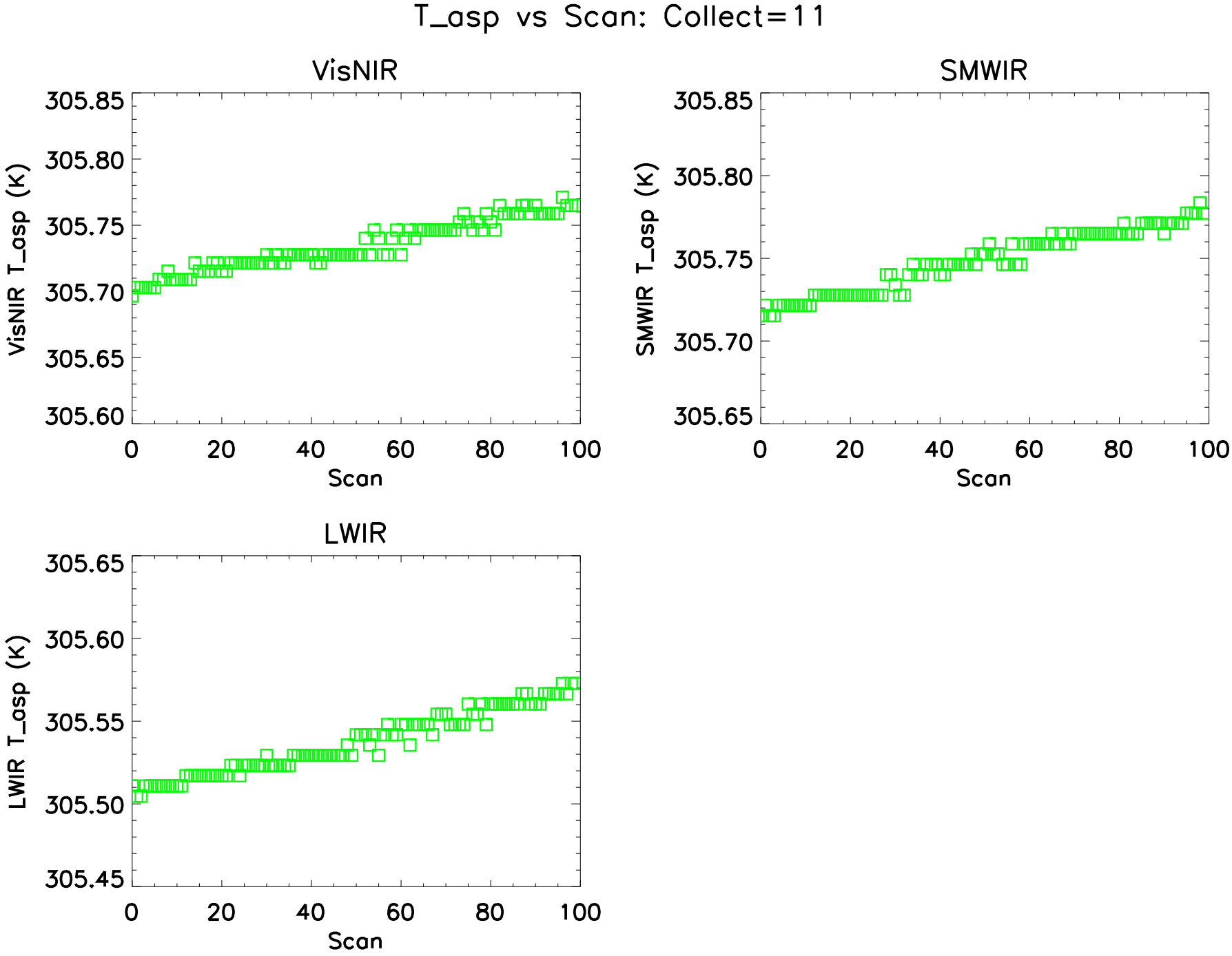

T_asp vs Scan: Collect=6
VisNIR
VisNIR T_asp (K)
305.55
305.50
305.45
305.40
305.35
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
305.50
305.45
305.40
305.35
305.30
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
305.35
305.30
305.25
305.20
305.15
305.10
0
20
40
60
80
100
Scan

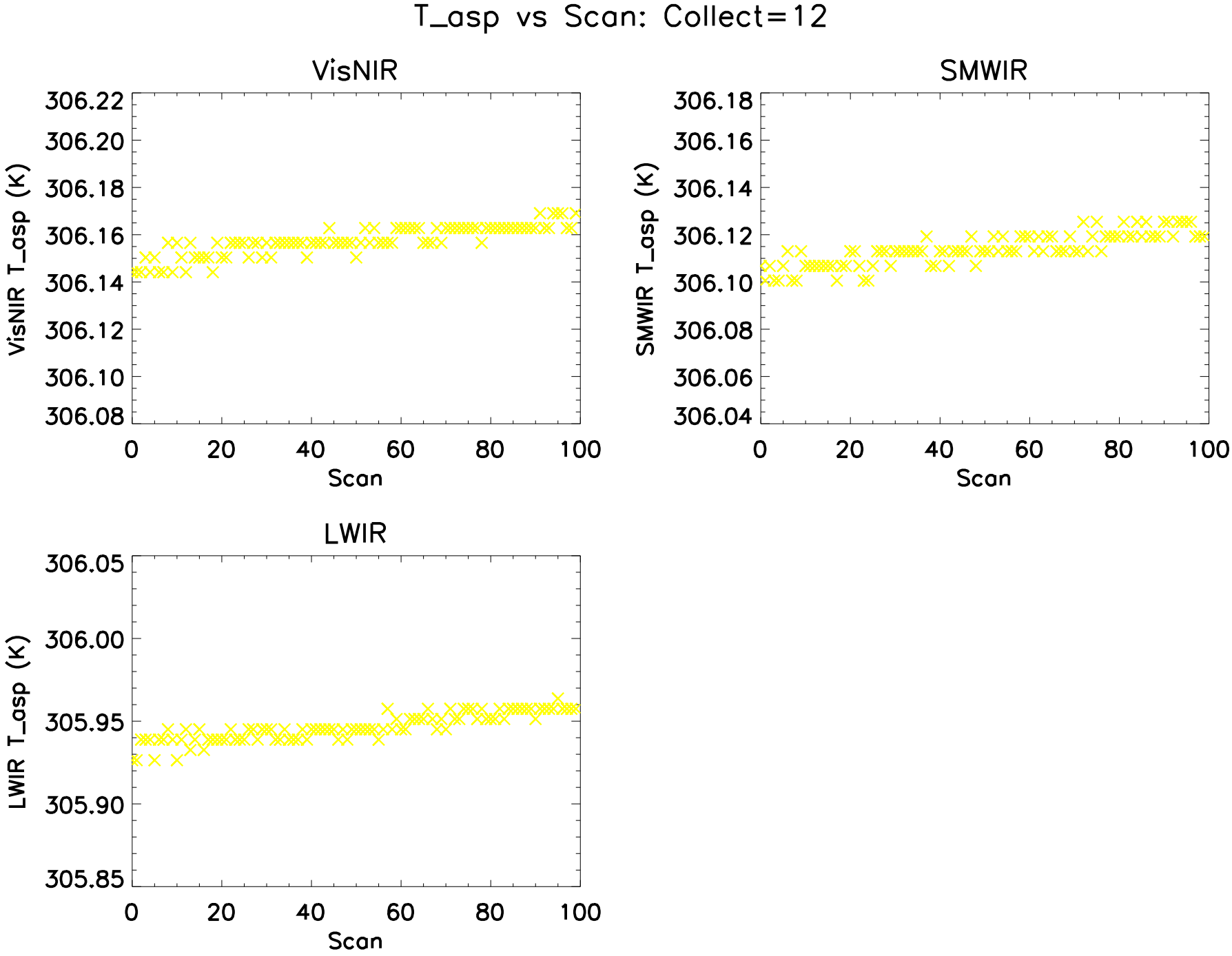

T_asp vs Scan: Collect=7
VisNIR
VisNIR T_asp (K)
305.60
305.55
305.50
305.45
305.40
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
305.60
305.55
305.50
305.45
305.40
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
305.40
305.35
305.30
305.25
305.20
0
20
40
60
80
100
Scan

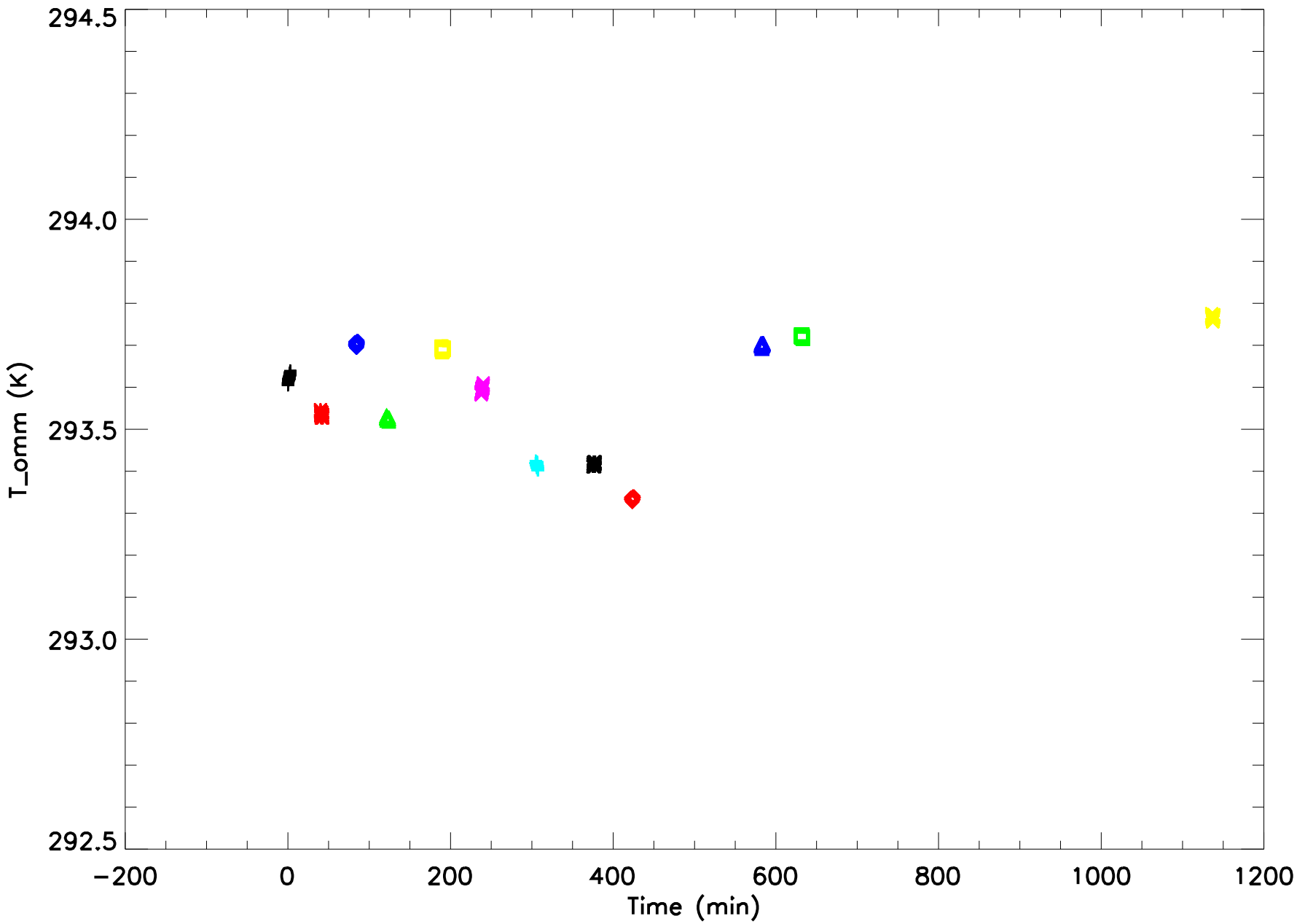

T_asp vs Scan: Collect=8
VisNIR
VisNIR T_asp (K)
305.65
305.60
305.55
305.50
305.45
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
305.65
305.60
305.55
305.50
305.45
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
305.45
305.40
305.35
305.30
0
20
40
60
80
100
Scan


T_asp vs Scan: Collect=9
VisNIR
VisNIR T_asp (K)
305.50
305.45
305.40
305.35
305.30
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
305.50
305.45
305.40
305.35
305.30
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
305.30
305.25
305.20
305.15
305.10
0
20
40
60
80
100
Scan

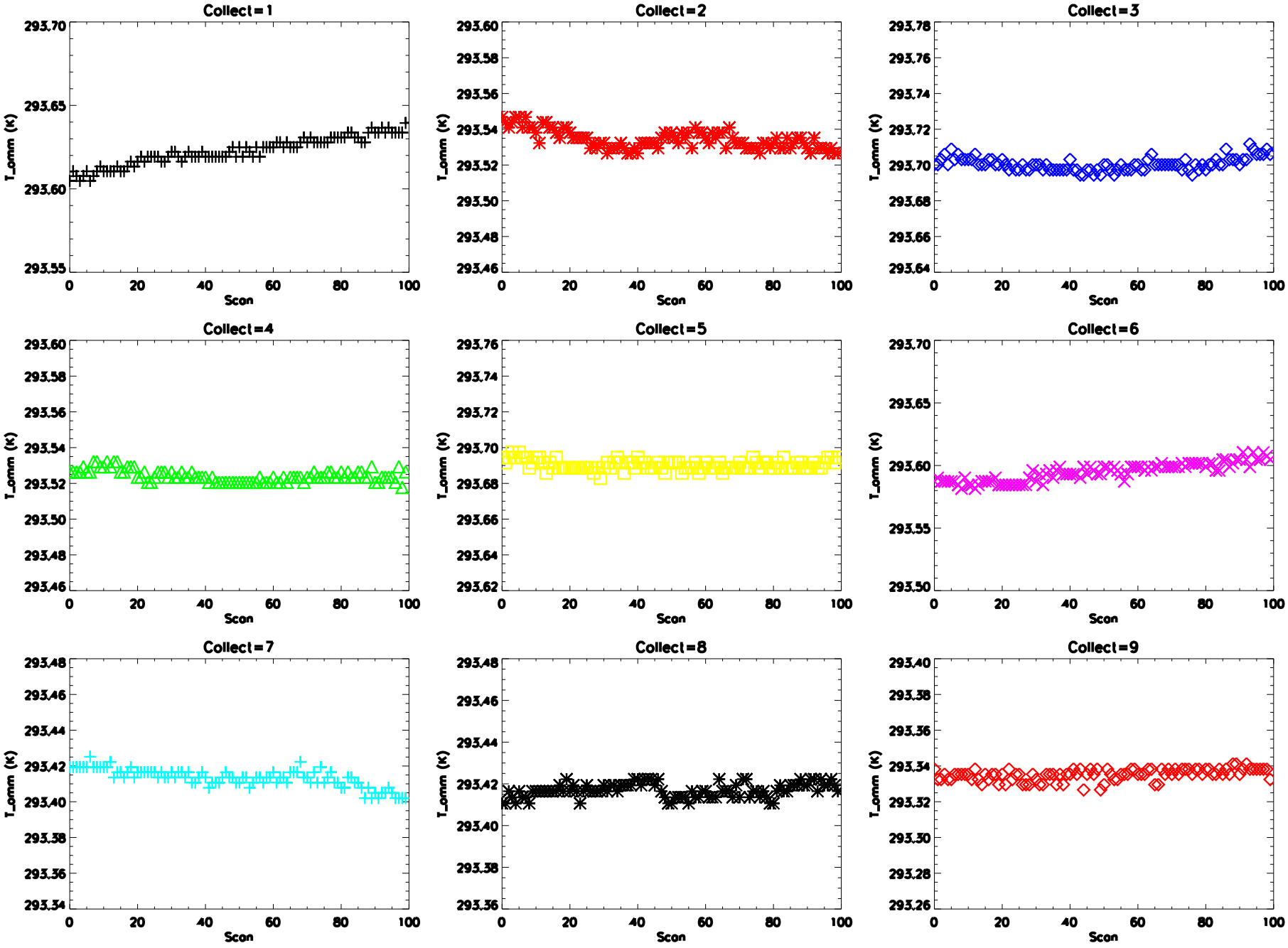

T_asp vs Scan: Collect=10
VisNIR
VisNIR T_asp (K)
306.42
306.40
306.38
306.36
306.34
306.32
306.30
306.28
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
306.40
306.38
306.36
306.34
306.32
306.30
306.28
306.26
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
306.24
306.22
306.20
306.18
306.16
306.14
306.12
306.10
0
20
40
60
80
100
Scan


T_asp vs Scan: Collect=11
VisNIR
VisNIR T_asp (K)
305.85
305.80
305.75
305.70
305.65
305.60
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
305.85
305.80
305.75
305.70
305.65
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
305.65
305.60
305.55
305.50
305.45
0
20
40
60
80
100
Scan

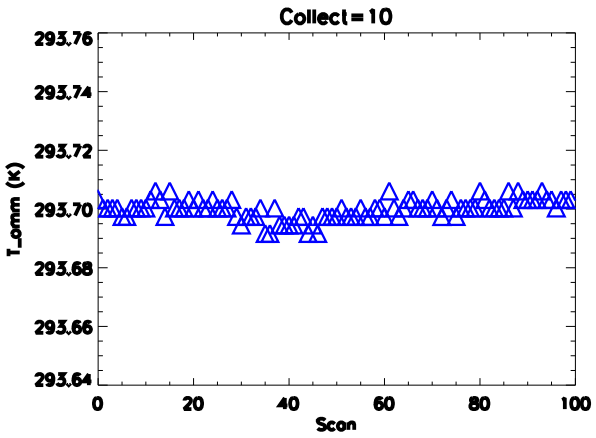

T_asp vs Scan: Collect=12
VisNIR
VisNIR T_asp (K)
306.22
306.20
306.18
306.16
306.14
306.12
306.10
306.08
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
306.18
306.16
306.14
306.12
306.10
306.08
306.06
306.04
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
306.05
306.00
305.95
305.90
305.85
0
20
40
60
80
100
Scan

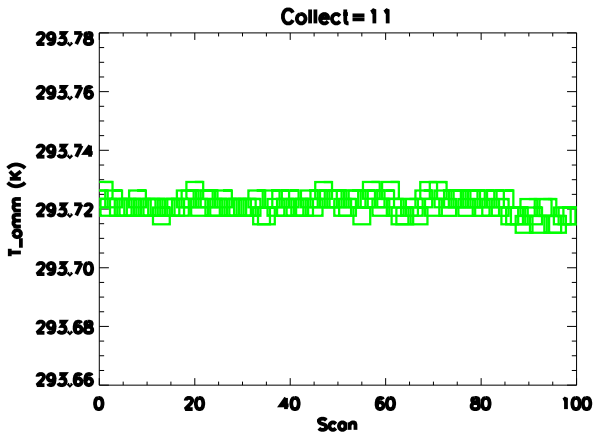

T_omm vs Time
294.5
294.0
293.5
293.0
292.5
T_omm (K)
−200
0
200
400
600
800
1000
1200
Time (min)

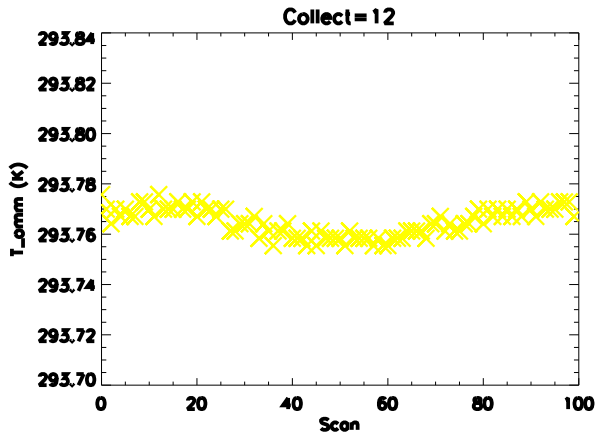
T_omm vs Scan


Collect=1
293.70
293.65
293.60
293.55
T_omm (K)
0
20
40
60
80
100
Scan
Collect=2
293.60
293.58
293.56
293.54
293.52
293.50
293.48
293.46
T_omm (K)
0
20
40
60
80
100
Scan
Collect=3
293.78
293.76
293.74
293.72
293.70
293.68
293.66
293.64
T_omm (K)
0
20
40
60
80
100
Scan
Collect=4
293.60
293.58
293.56
293.54
293.52
293.50
293.48
293.46
T_omm (K)
0
20
40
60
80
100
Scan
Collect=5
293.76
293.74
293.72
293.70
293.68
293.66
293.64
293.62
T_omm (K)
0
20
40
60
80
100
Scan
Collect=6
293.70
293.65
293.60
293.55
293.50
T_omm (K)
0
20
40
60
80
100
Scan
Collect=7
293.48
293.46
293.44
293.42
293.40
293.38
293.36
293.34
T_omm (K)
0
20
40
60
80
100
Scan
Collect=8
293.48
293.46
293.44
293.42
293.40
293.38
293.36
T_omm (K)
0
20
40
60
80
100
Scan
Collect=9
293.40
293.38
293.36
293.34
293.32
293.30
293.28
293.26
T_omm (K)
0
20
40
60
80
100
Scan

T_omm vs Scan


Collect = 10
T_omm (K)
293.76
293.74
293.72
293.70
293.68
293.66
293.64
0
20
40
60
80
100
Scan


Collect = 11
T_omm (K)
293.78
293.76
293.74
293.72
293.70
293.68
293.66
0
20
40
60
80
100
Scan


Collect = 12
T_omm (K)
293.84
293.82
293.80
293.78
293.76
293.74
293.72
293.70
0
20
40
60
80
100
Scan