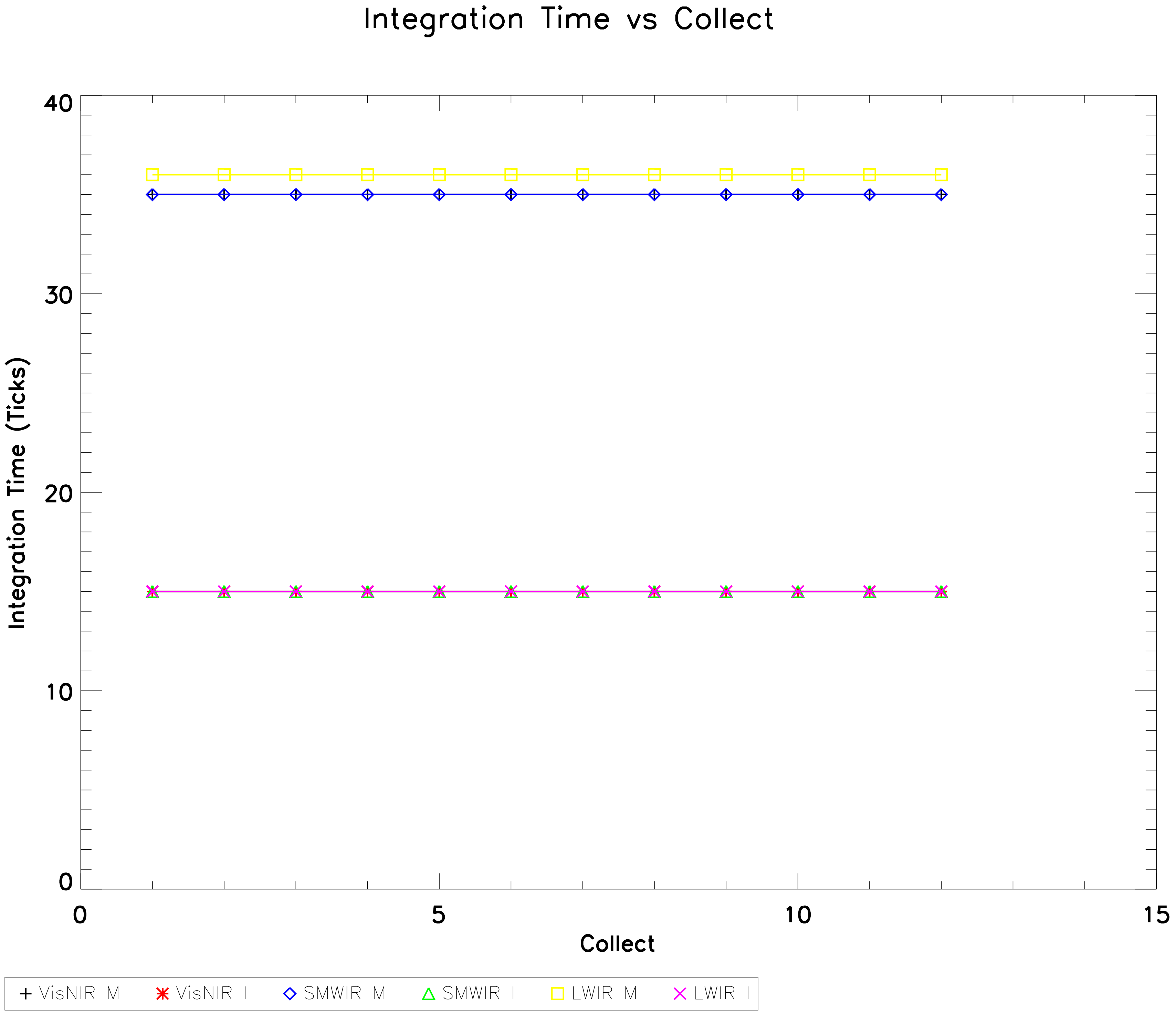
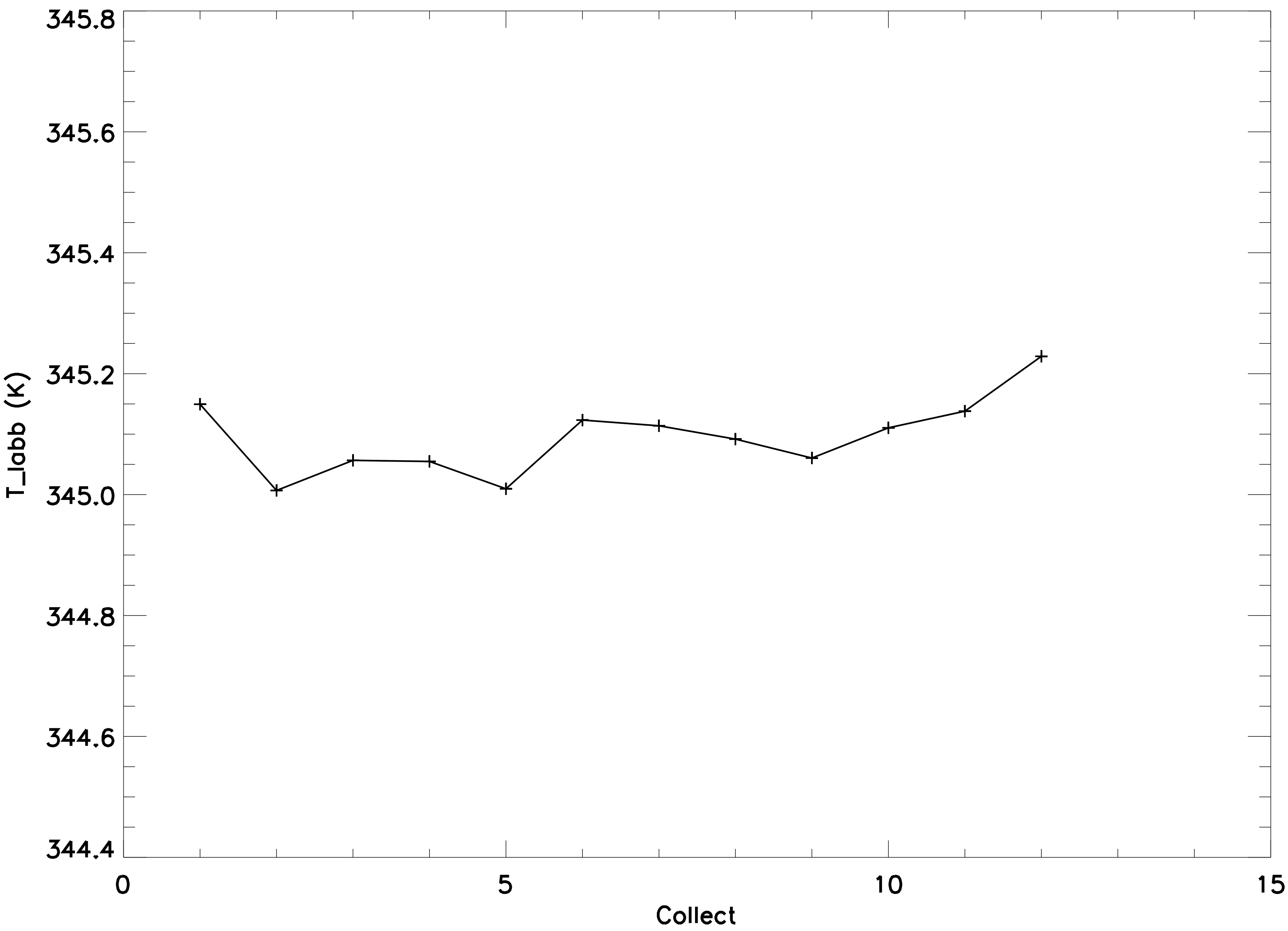
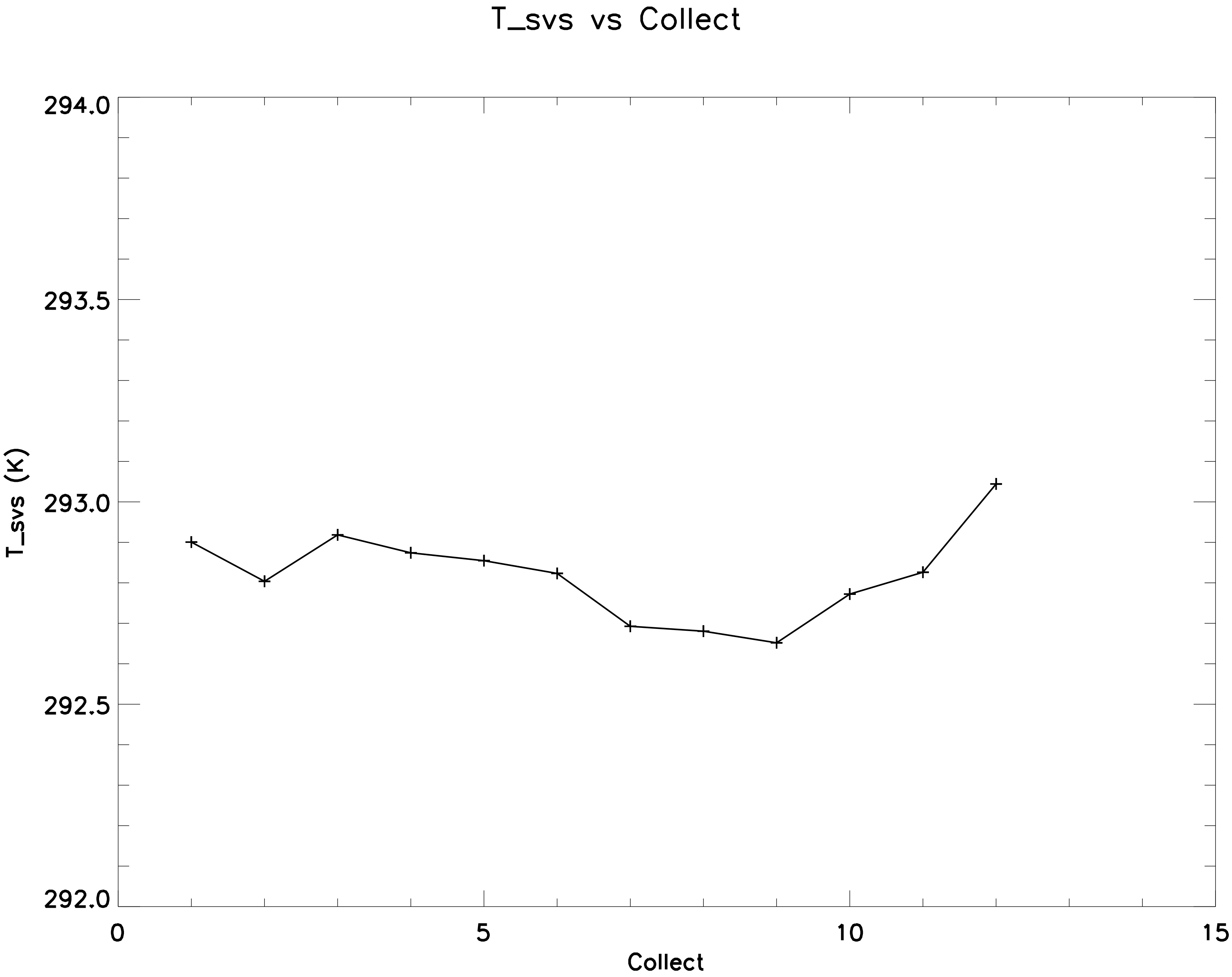
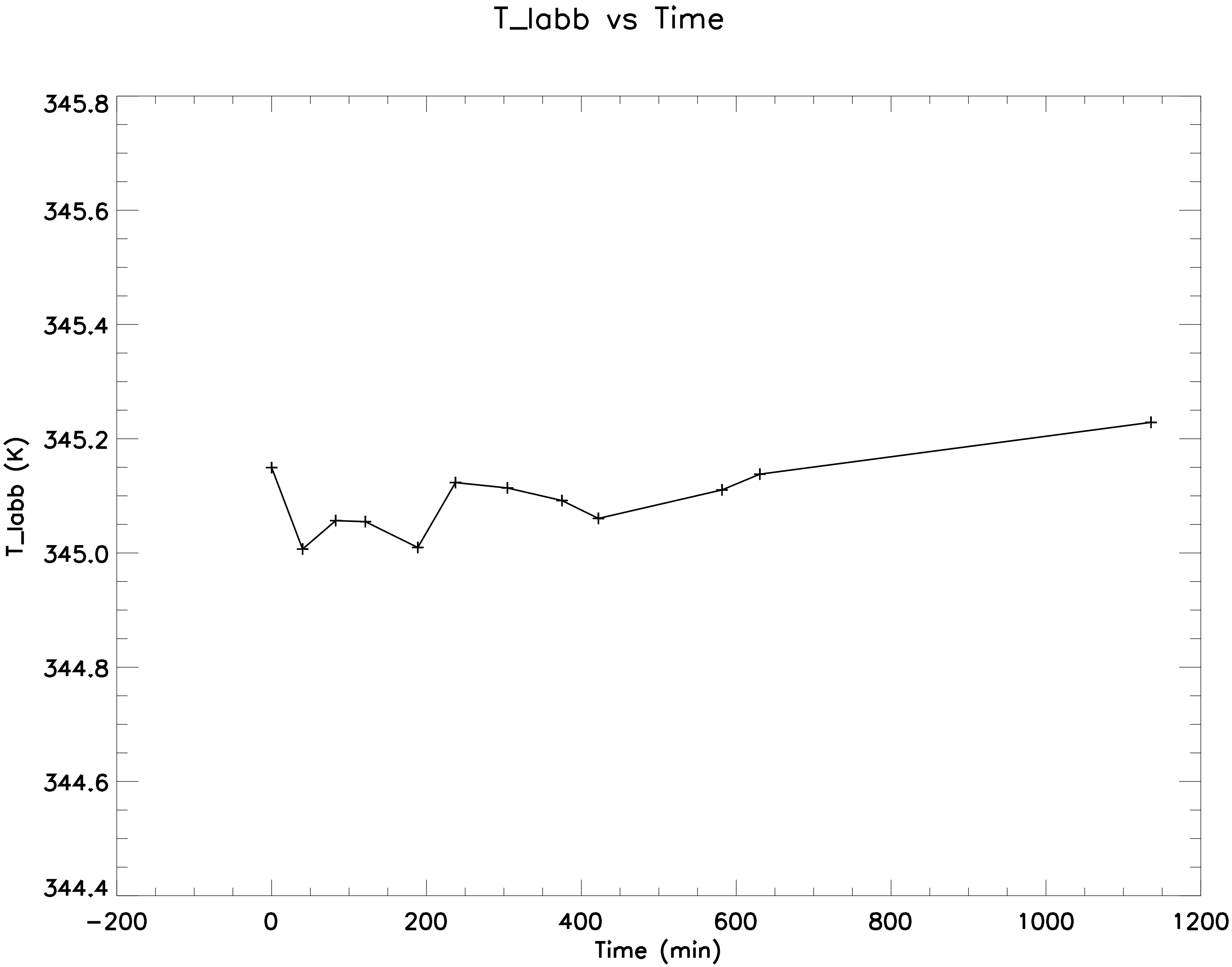
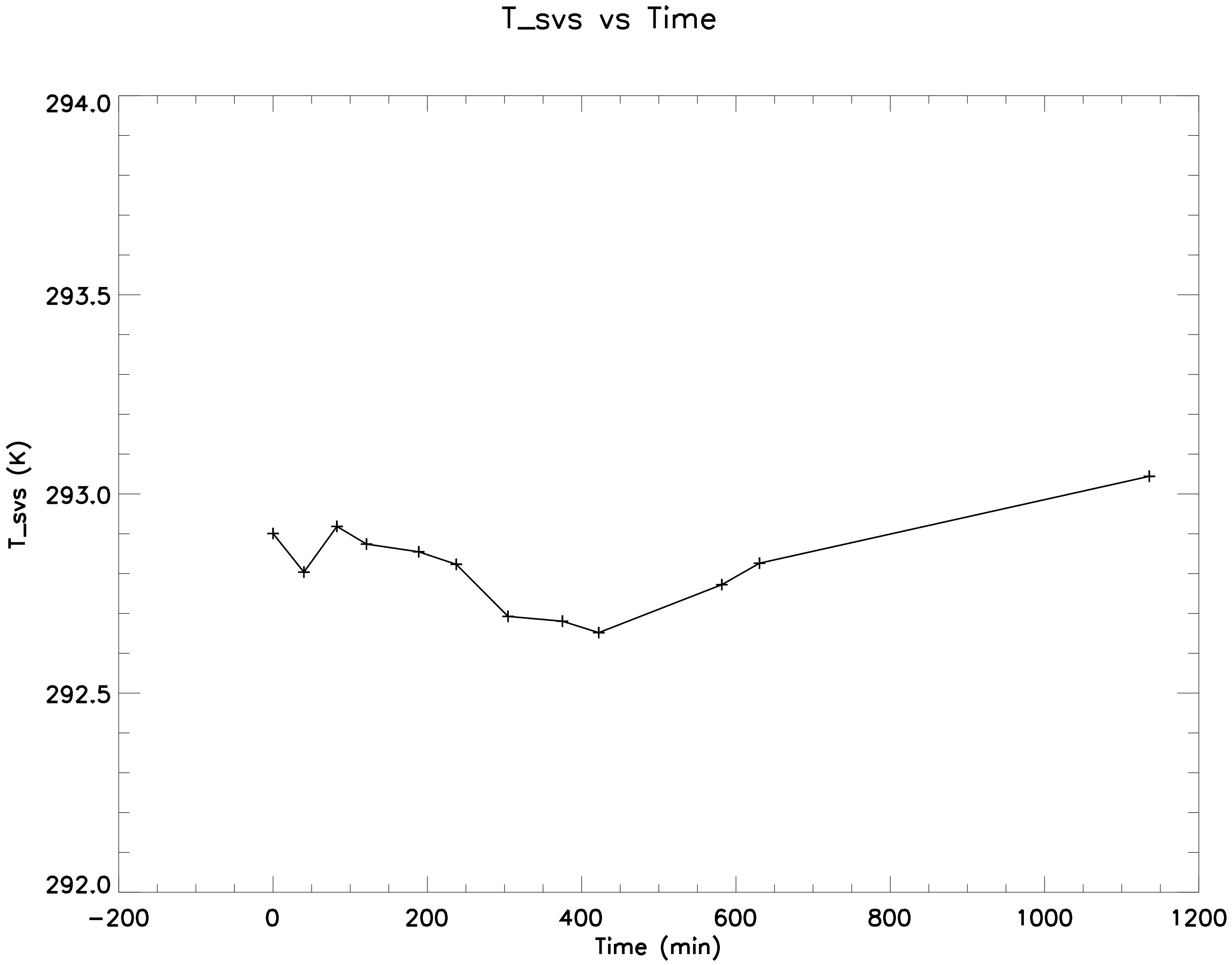

Integration Time vs Collect
Integration Time (Ticks)
40
30
20
10
0
0
5
10
15
Collect
+ VisNIR M
✳ VisNIR I
◇ SMWIR M
△ SMWIR I
□ LWIR M
× LWIR I

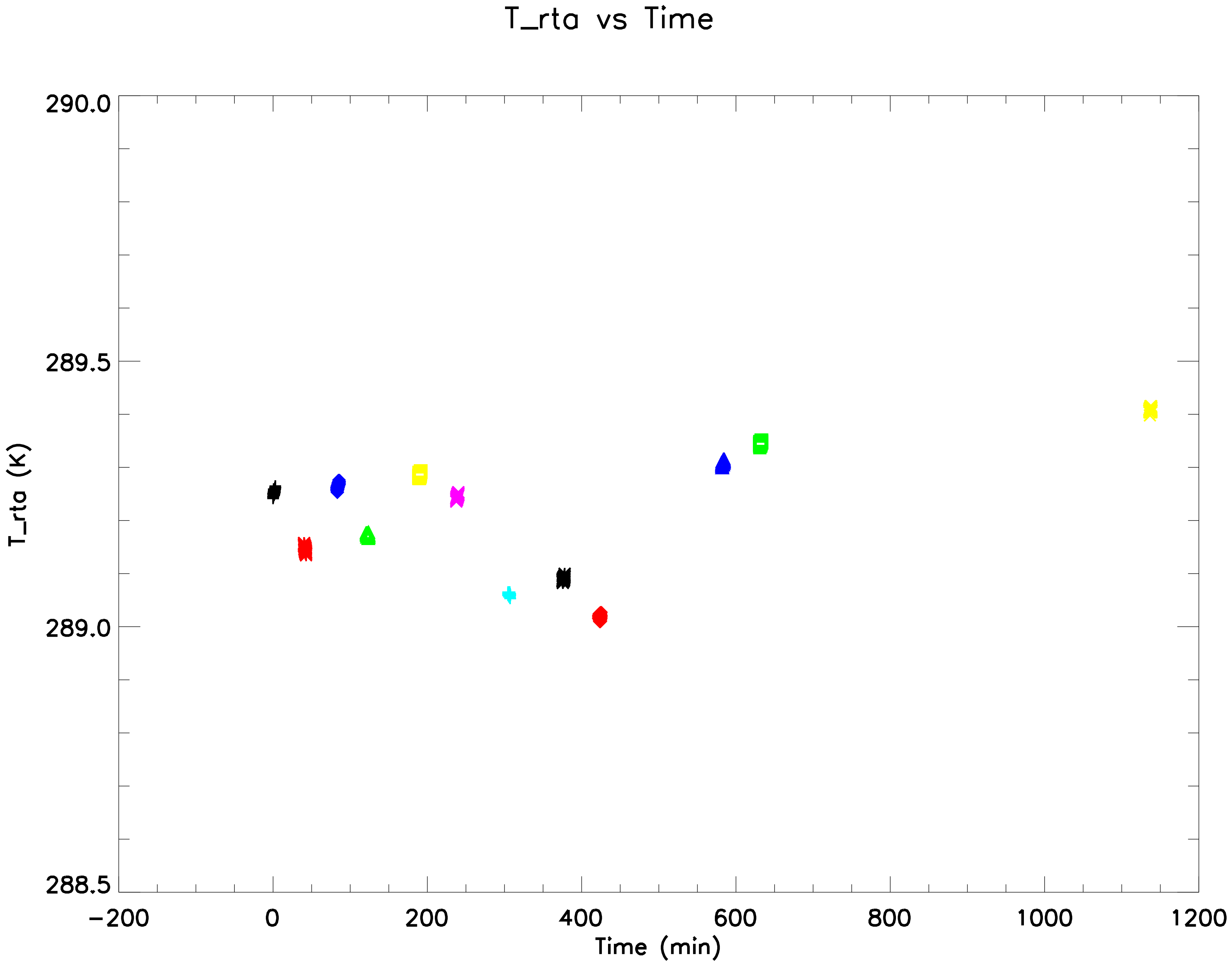


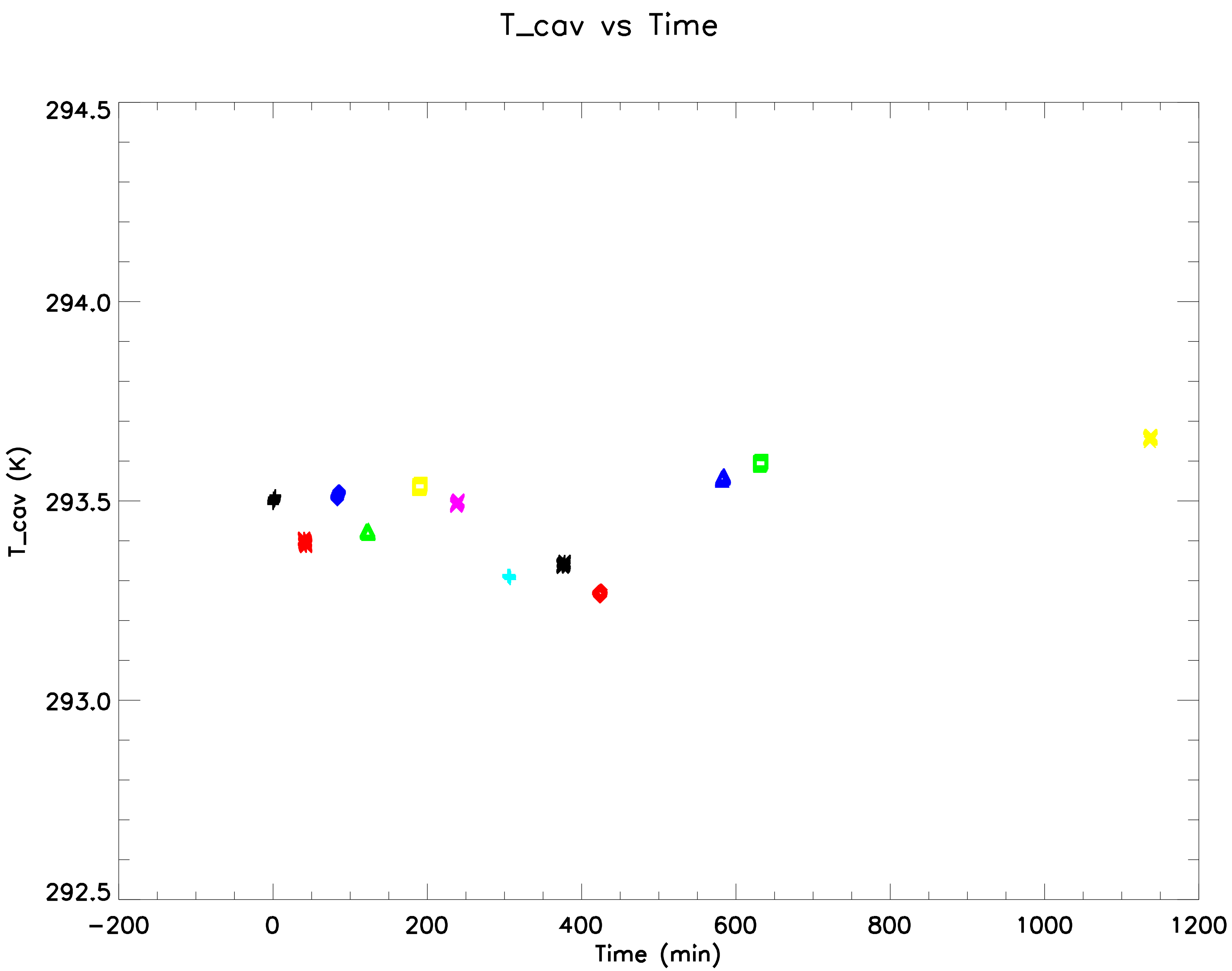
T_labb vs Collect

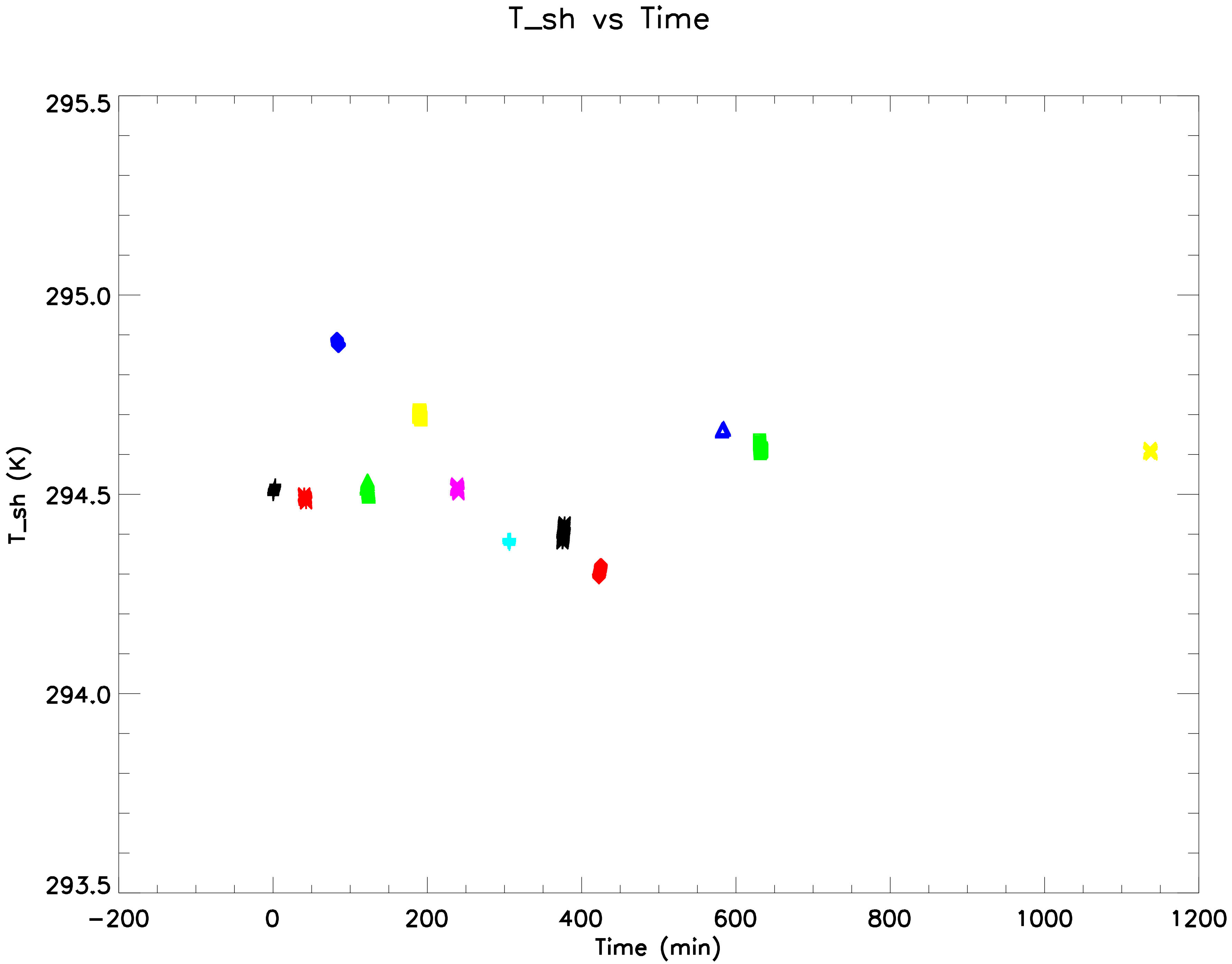

T_svs vs Collect
T_svs (K)
294.0
293.5
293.0
292.5
292.0
0
5
10
15
Collect

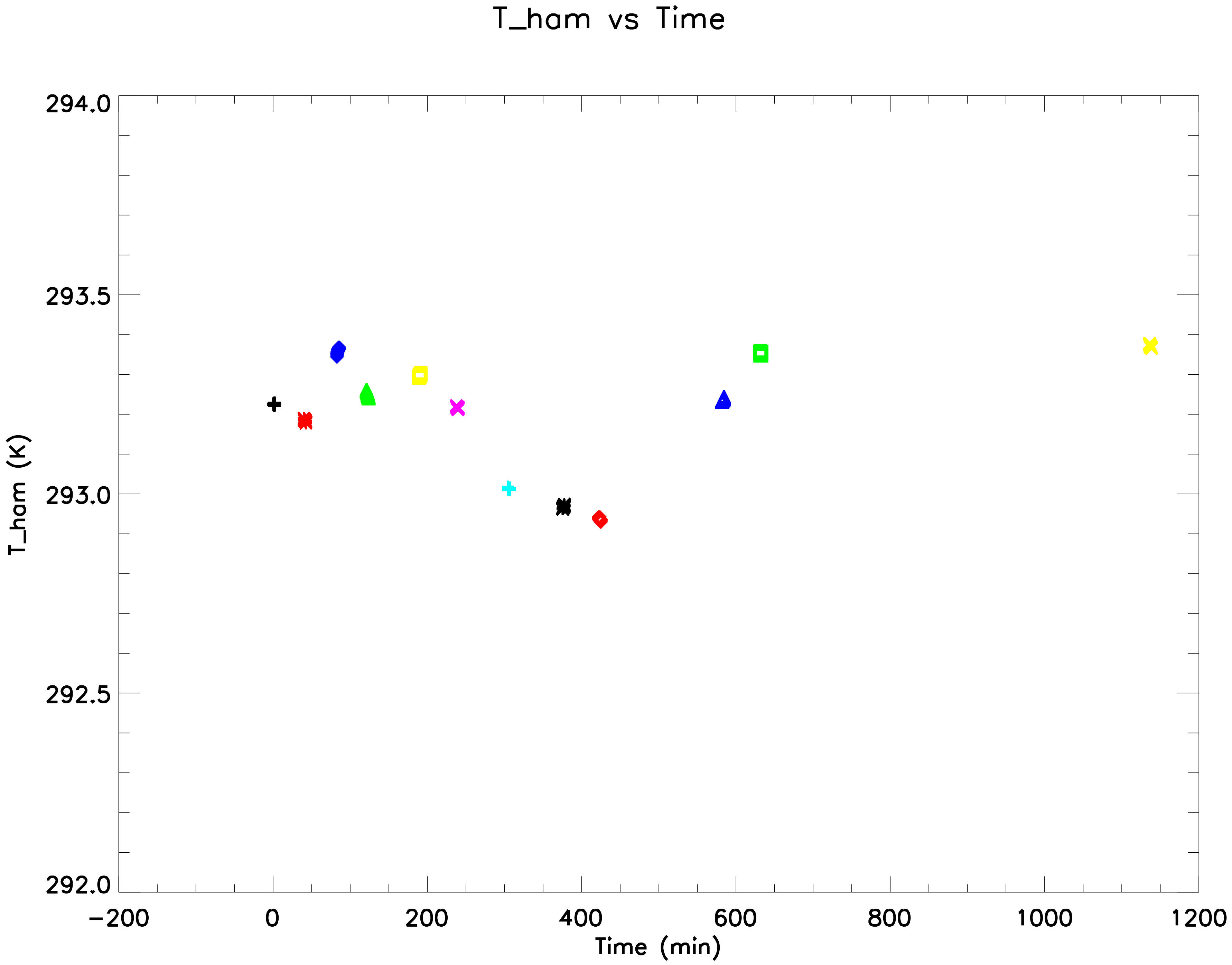

T_labb vs Time
T_labb (K)
345.8
345.6
345.4
345.2
345.0
344.8
344.6
344.4
Time (min)
−200
0
200
400
600
800
1000
1200

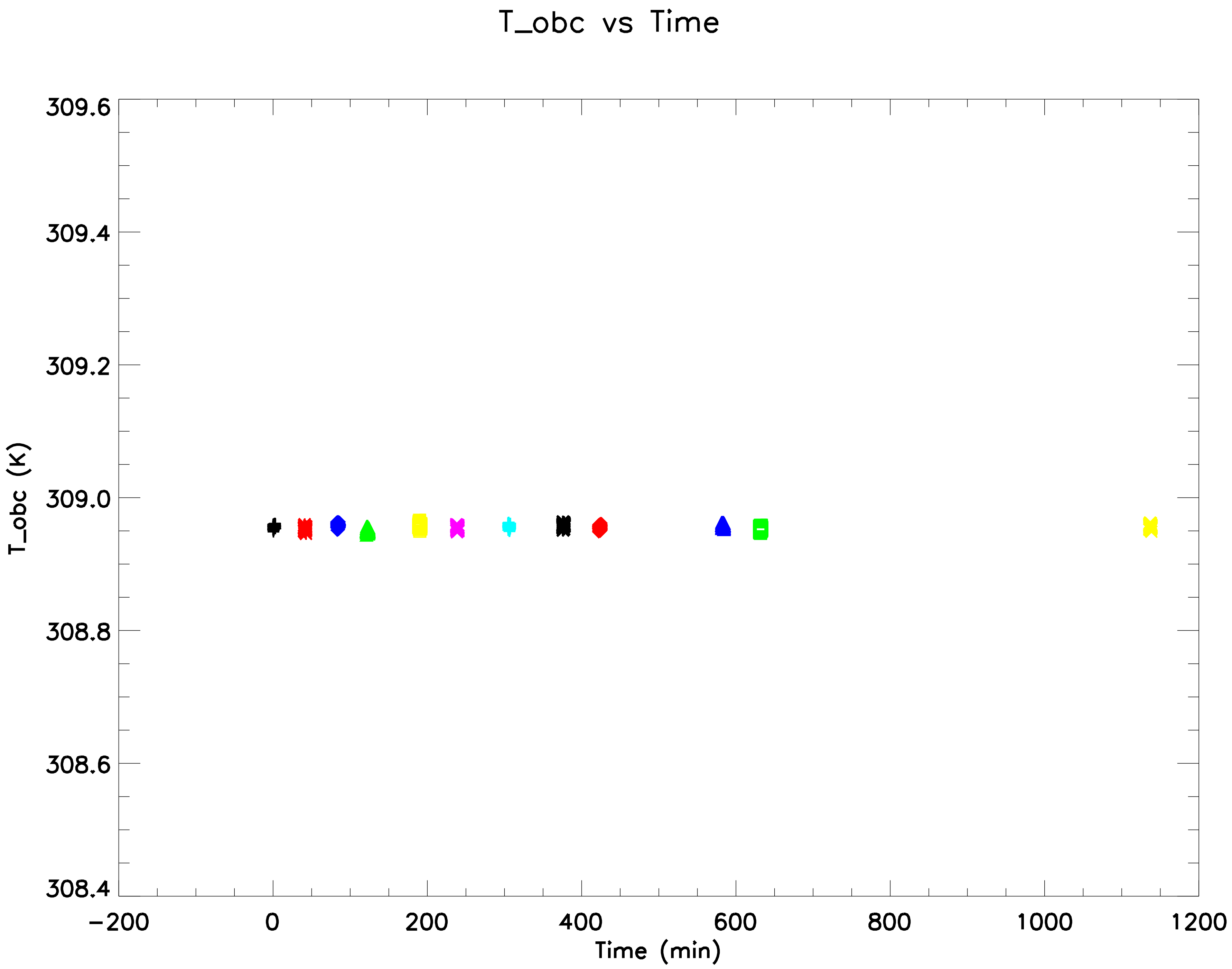

T_svs vs Time
T_svs (K)
294.0
293.5
293.0
292.5
292.0
−200
0
200
400
600
800
1000
1200
Time (min)


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

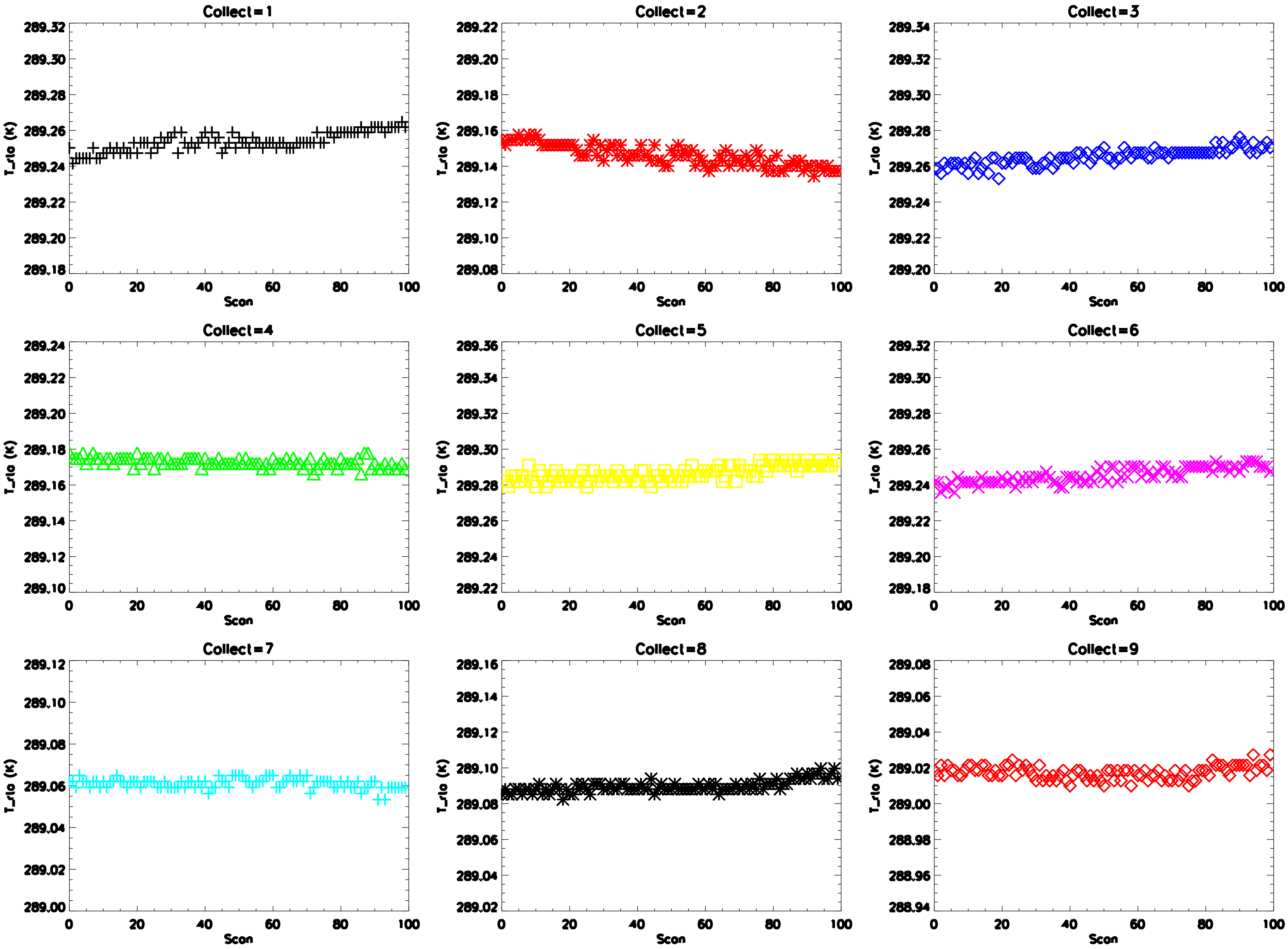

T_cav vs Time
T_cav (K)
294.5
294.0
293.5
293.0
292.5
Time (min)
−200
0
200
400
600
800
1000
1200


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


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

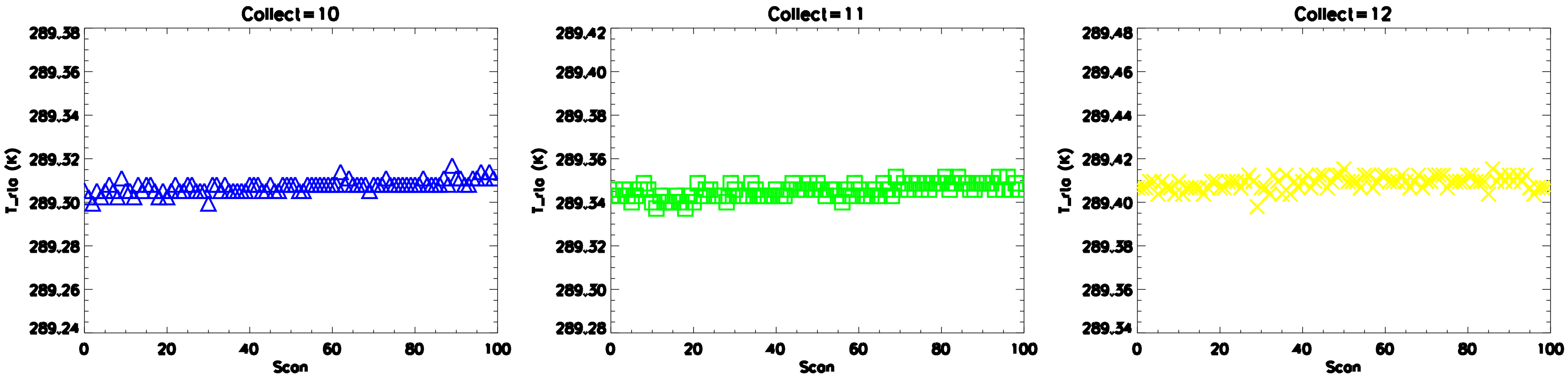

T_obc vs Time
T_obc (K)
309.6
309.4
309.2
309.0
308.8
308.6
308.4
−200
0
200
400
600
800
1000
1200
Time (min)

T_rta vs Scan

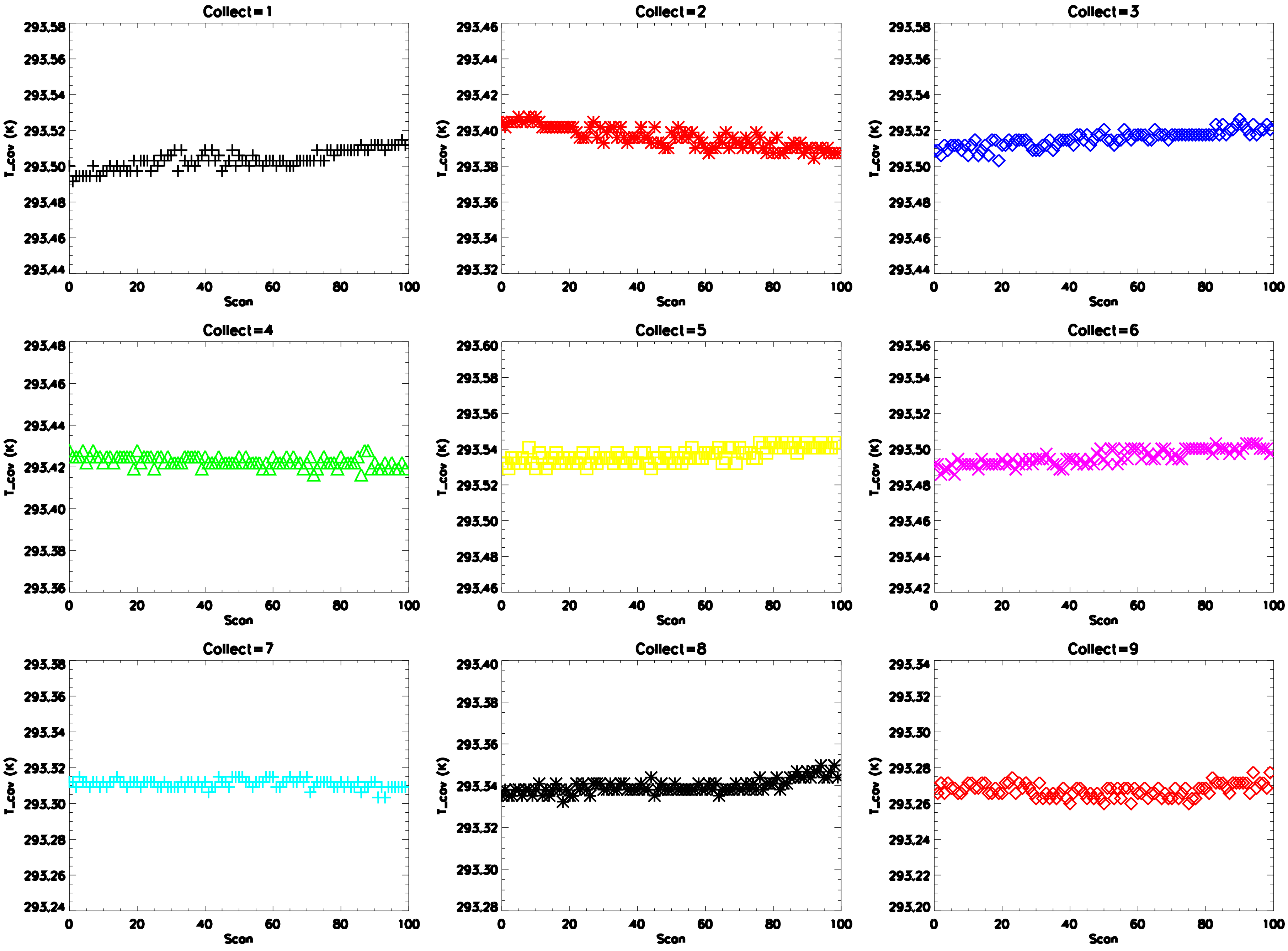


Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
T_rta (K)
Scan
0
20
40
60
80
100
289.18
289.20
289.22
289.24
289.26
289.28
289.30
289.32
289.08
289.10
289.12
289.14
289.16
289.34
289.36
289.00
289.02
289.04
289.06
288.94
288.96
288.98

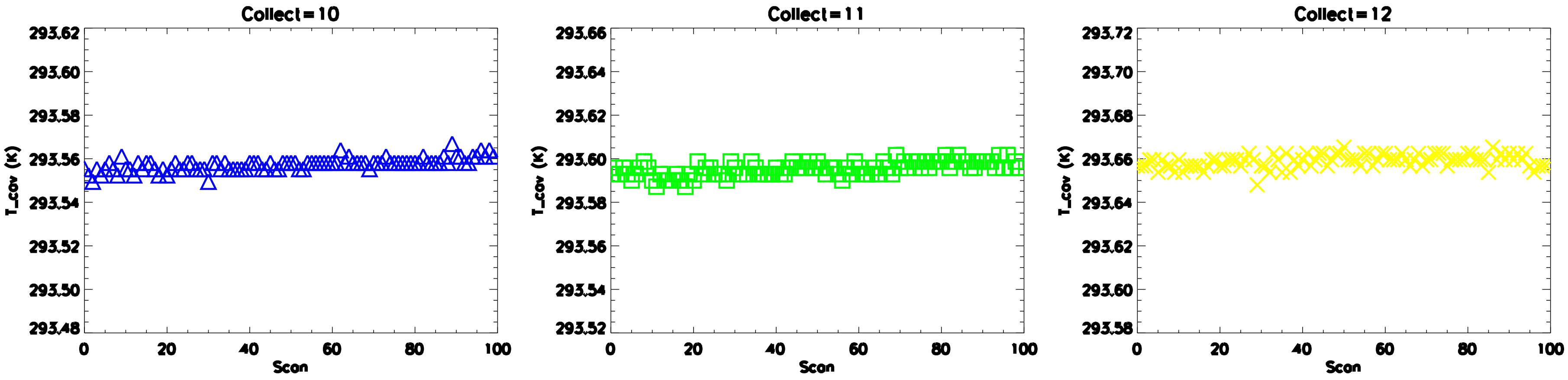
T_rta vs Scan

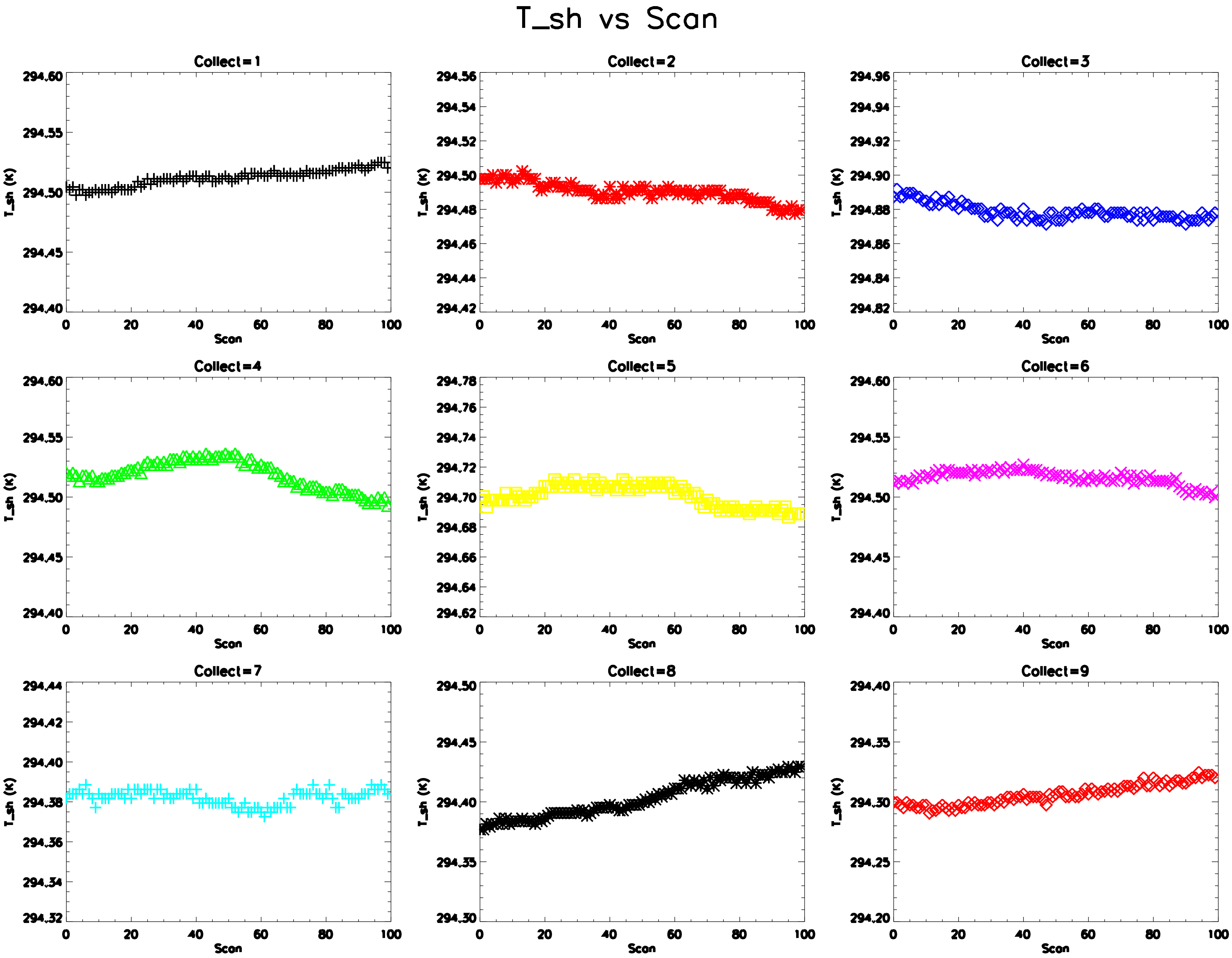

Collect=10
289.38
289.36
289.34
289.32
289.30
289.28
289.26
289.24
T_rta (K)
0
20
40
60
80
100
Scan
Collect=11
289.42
289.40
289.38
289.36
289.34
289.32
289.30
289.28
T_rta (K)
0
20
40
60
80
100
Scan
Collect=12
289.48
289.46
289.44
289.42
289.40
289.38
289.36
289.34
T_rta (K)
0
20
40
60
80
100
Scan

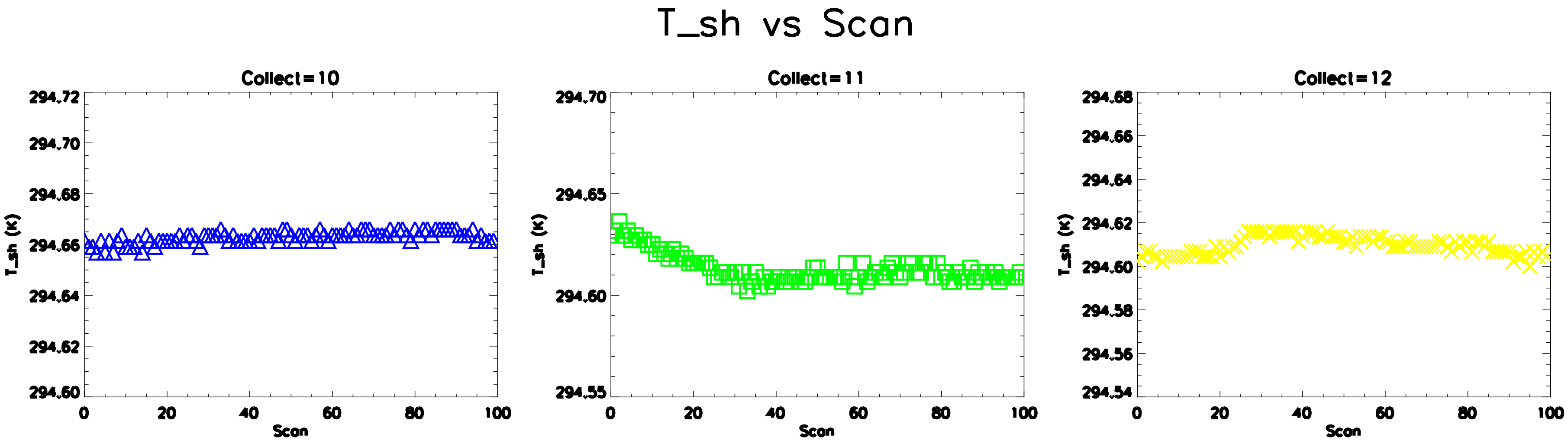
T_cav vs Scan

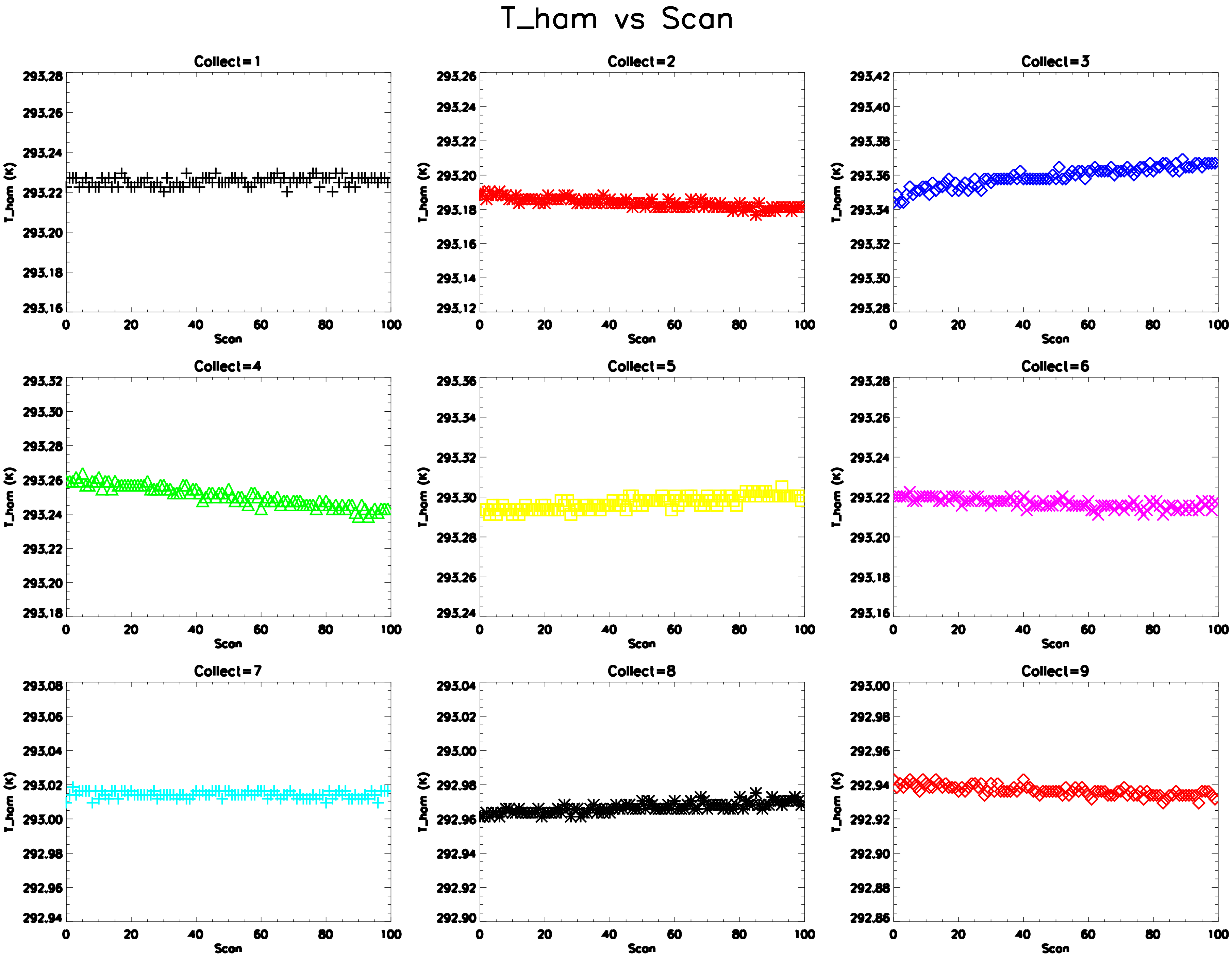

Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
T_cav (K)
Scan
0
20
40
60
80
100
293.44
293.46
293.48
293.50
293.52
293.54
293.56
293.58
293.32
293.34
293.36
293.38
293.40
293.42
293.44
293.46
293.36
293.38
293.40
293.42
293.44
293.46
293.48
293.46
293.48
293.50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

T_cav vs Scan


Collect=10
Collect=11
Collect=12
T_cav (K)
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
Scan

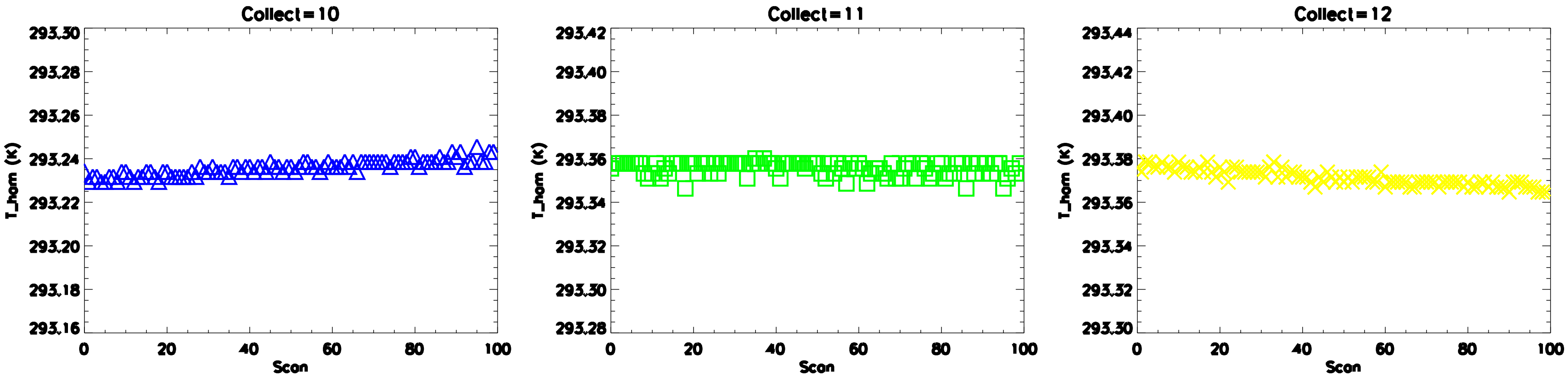

T_sh vs Scan
Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
T_sh (K)
Scan
0
20
40
60
80
100
294.60
294.55
294.50
294.45
294.40
294.56
294.54
294.52
294.48
294.46
294.44
294.42
294.96
294.94
294.92
294.90
294.88
294.86
294.84
294.82
294.78
294.76
294.74
294.72
294.70
294.68
294.66
294.64
294.62
294.44
294.42
294.38
294.36
294.34
294.32
294.35
294.30
294.25
294.20

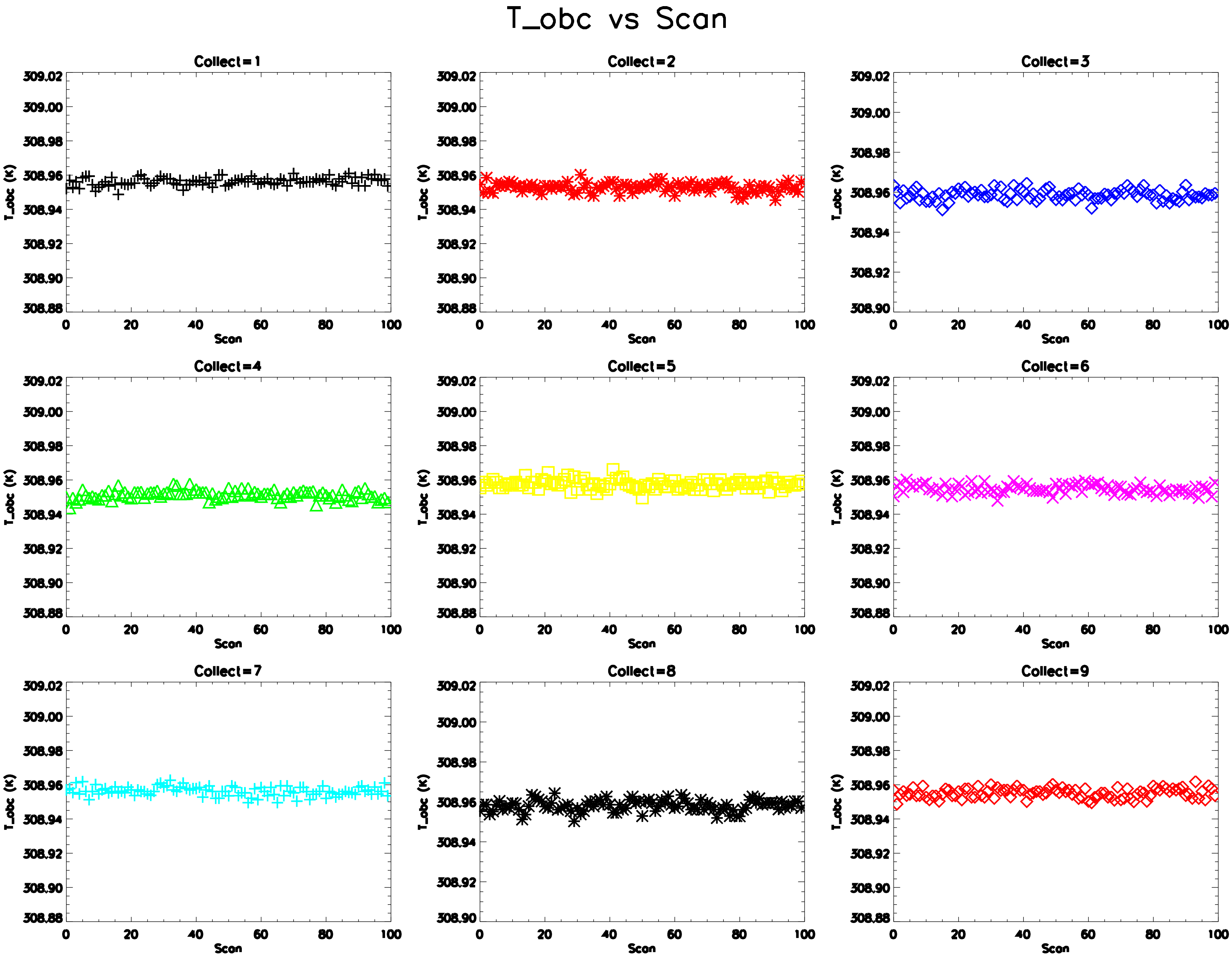

T_sh vs Scan
Collect=10
Collect=11
Collect=12
T_sh (K)
294.72
294.70
294.68
294.66
294.64
294.62
294.60
294.65
294.55
294.58
294.56
294.54
0
20
40
60
80
100
Scan

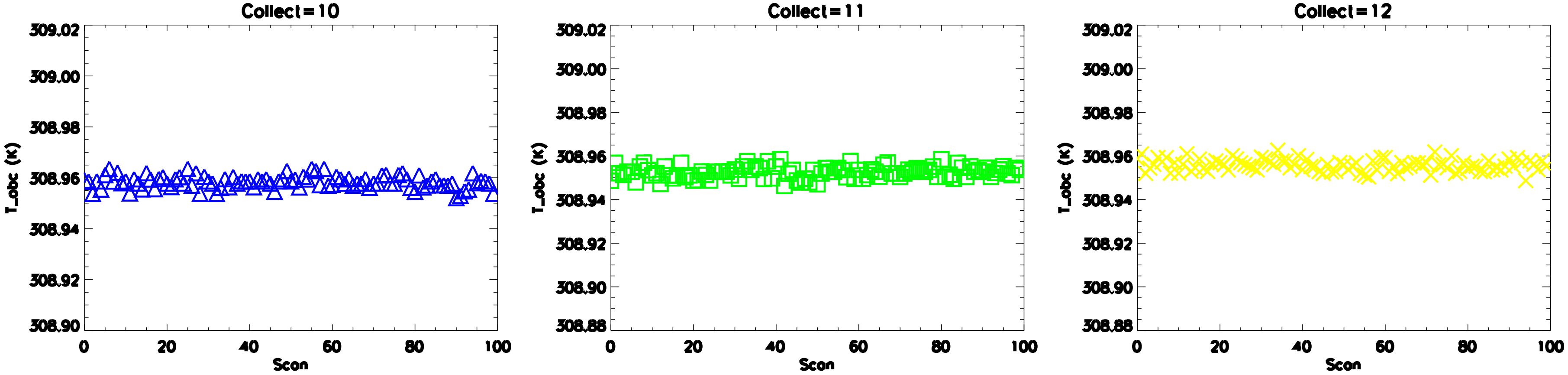


T_ham vs Scan
Collect=1
293.28
293.26
293.24
293.22
293.20
293.18
293.16
Collect=2
293.26
293.24
293.22
293.20
293.18
293.16
293.14
293.12
Collect=3
293.42
293.40
293.38
293.36
293.34
293.32
293.30
293.28
Collect=4
293.32
293.30
293.28
293.26
293.24
293.22
293.20
293.18
Collect=5
293.36
293.34
293.32
293.30
293.28
293.26
293.24
Collect=6
293.28
293.26
293.24
293.22
293.20
293.18
293.16
Collect=7
293.08
293.06
293.04
293.02
293.00
292.98
292.96
292.94
Collect=8
293.04
293.02
293.00
292.98
292.96
292.94
292.92
292.90
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

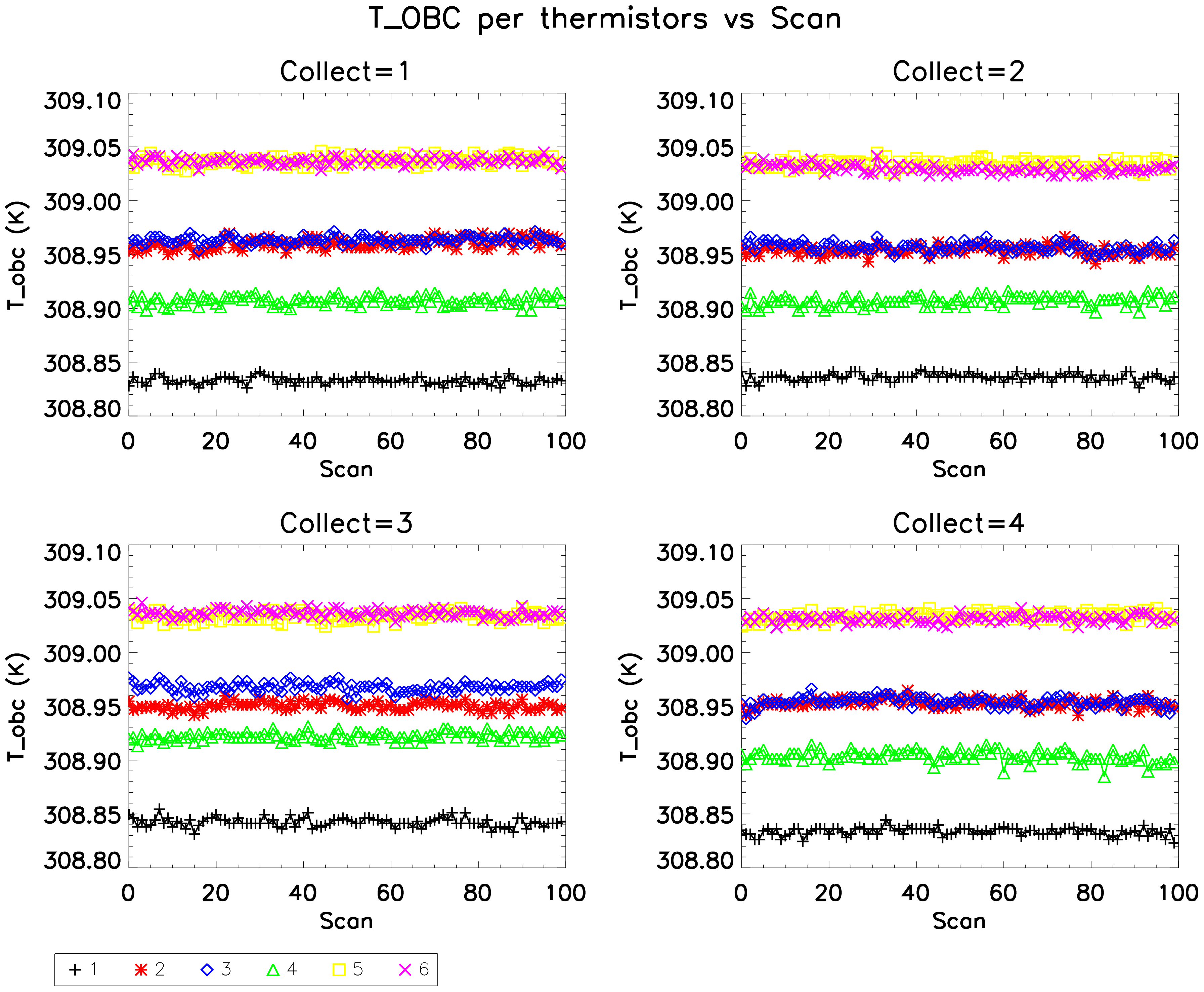

Collect=10
293.30
293.28
293.26
293.24
293.22
293.20
293.18
293.16
T_ham (K)
0
20
40
60
80
100
Scan
Collect=11
293.42
293.40
293.38
293.36
293.34
293.32
293.30
293.28
T_ham (K)
0
20
40
60
80
100
Scan
Collect=12
293.44
293.42
293.40
293.38
293.36
293.34
293.32
293.30
T_ham (K)
0
20
40
60
80
100
Scan

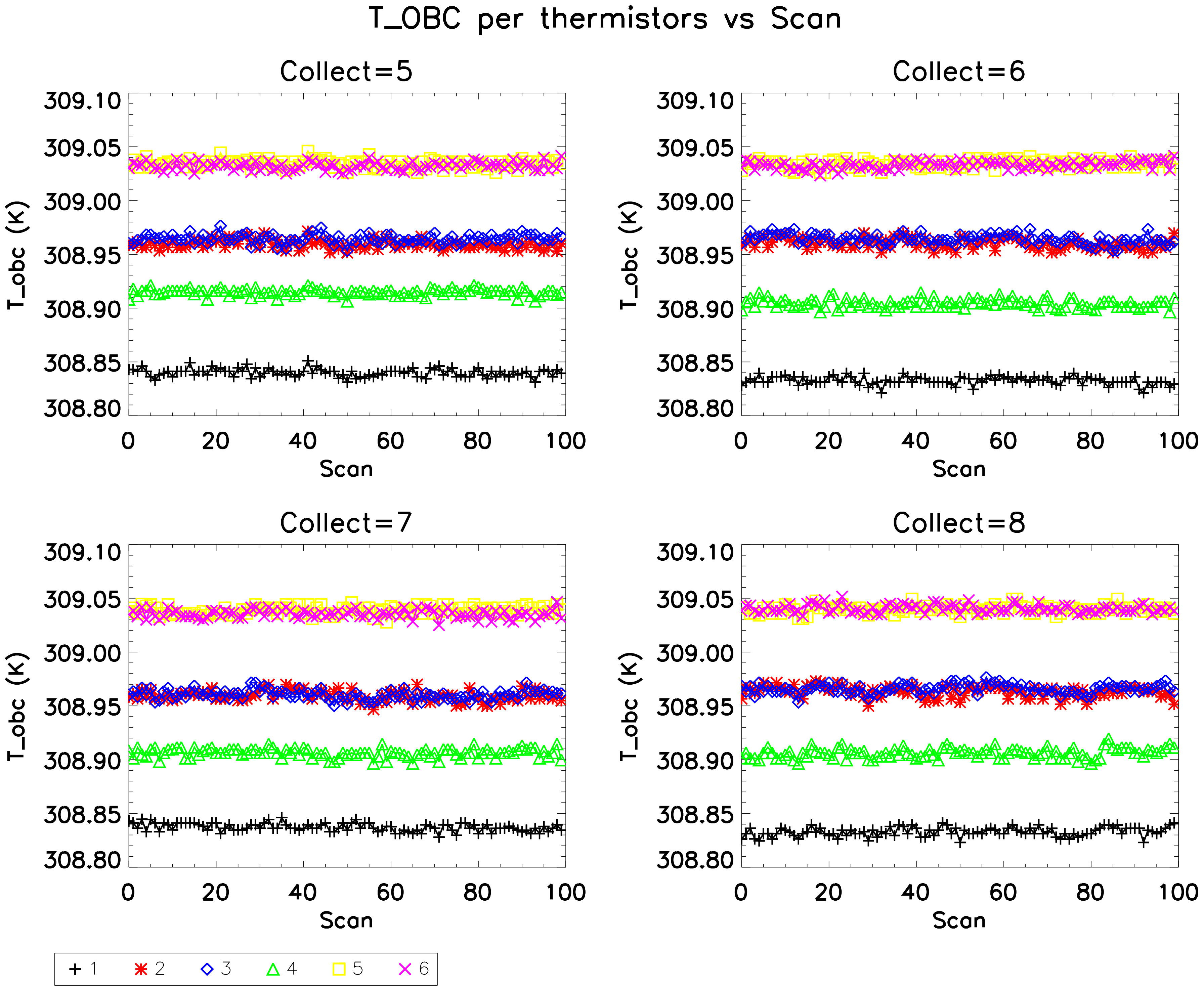

T_obc vs Scan
Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
T_obc (K)
Scan
0
20
40
60
80
100
309.02
309.00
308.98
308.96
308.94
308.92
308.90
308.88

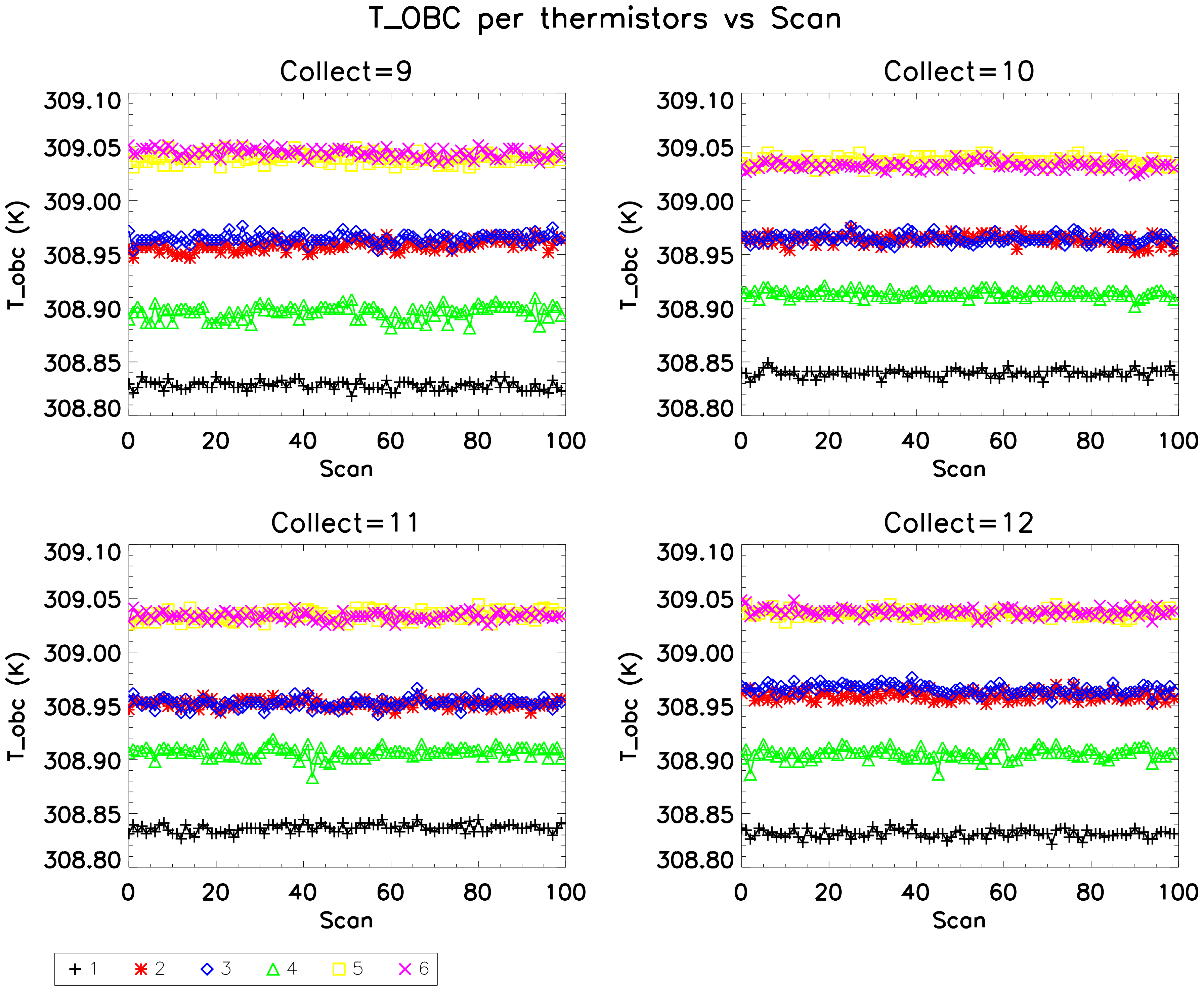


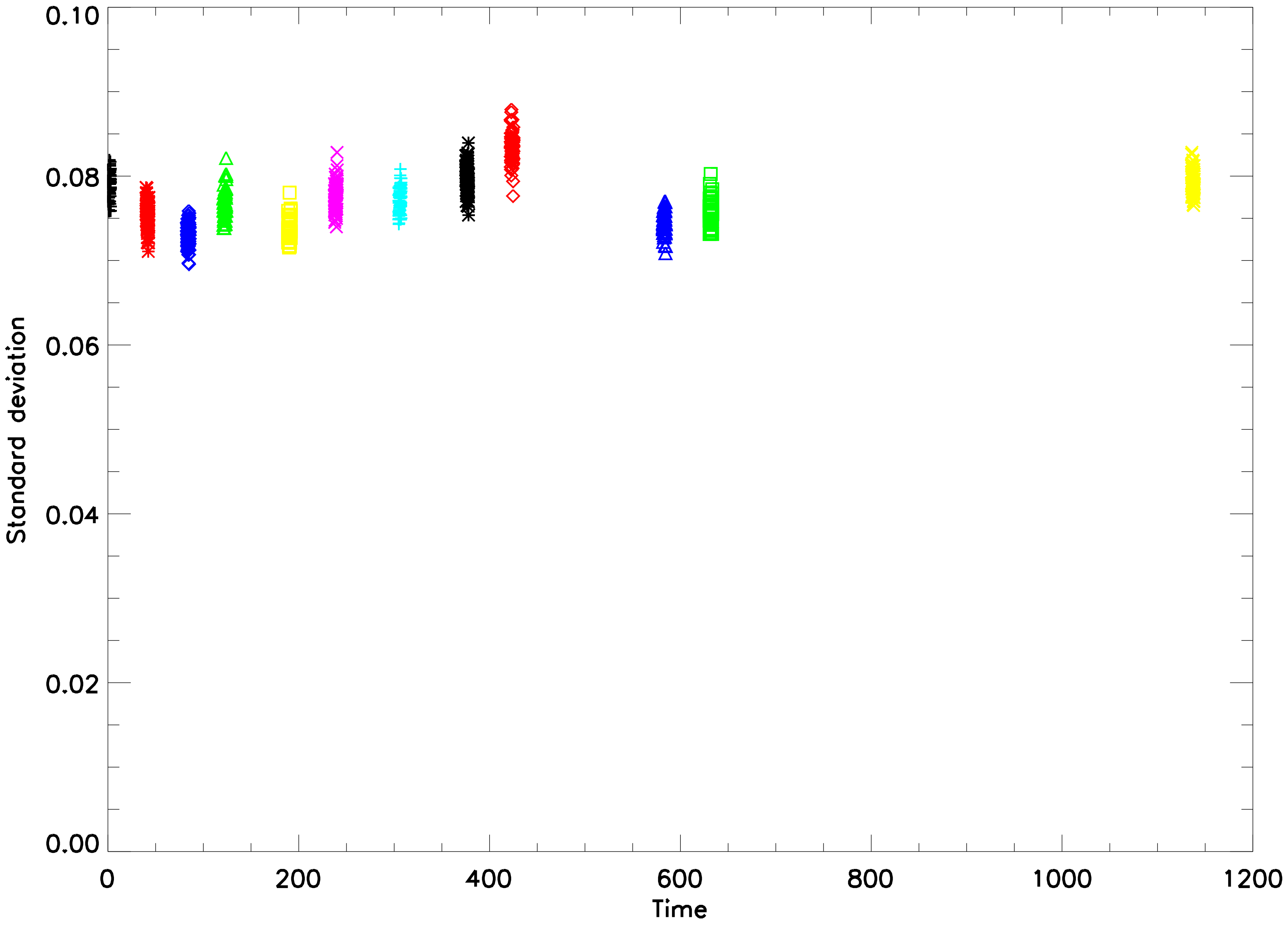
T_obc vs Scan

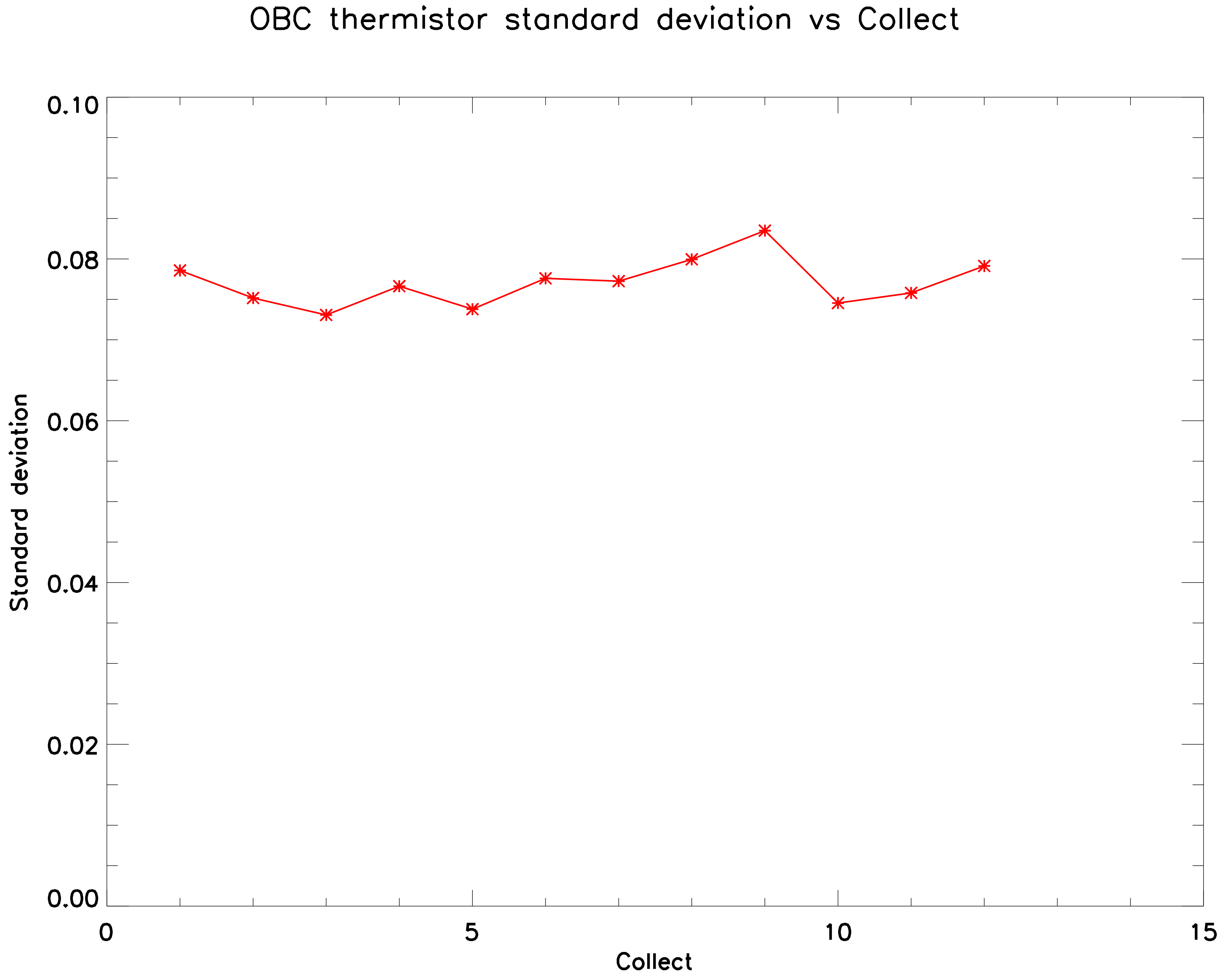
Collect=10
Collect=11
Collect=12
T_obc (K)
309.02
309.00
308.98
308.96
308.94
308.92
308.90
308.88
Scan
0
20
40
60
80
100


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)
309.10
309.05
309.00
308.95
308.90
308.85
308.80
Scan
0
20
40
60
80
100
+ 1
✱ 2
◇ 3
△ 4
□ 5
× 6

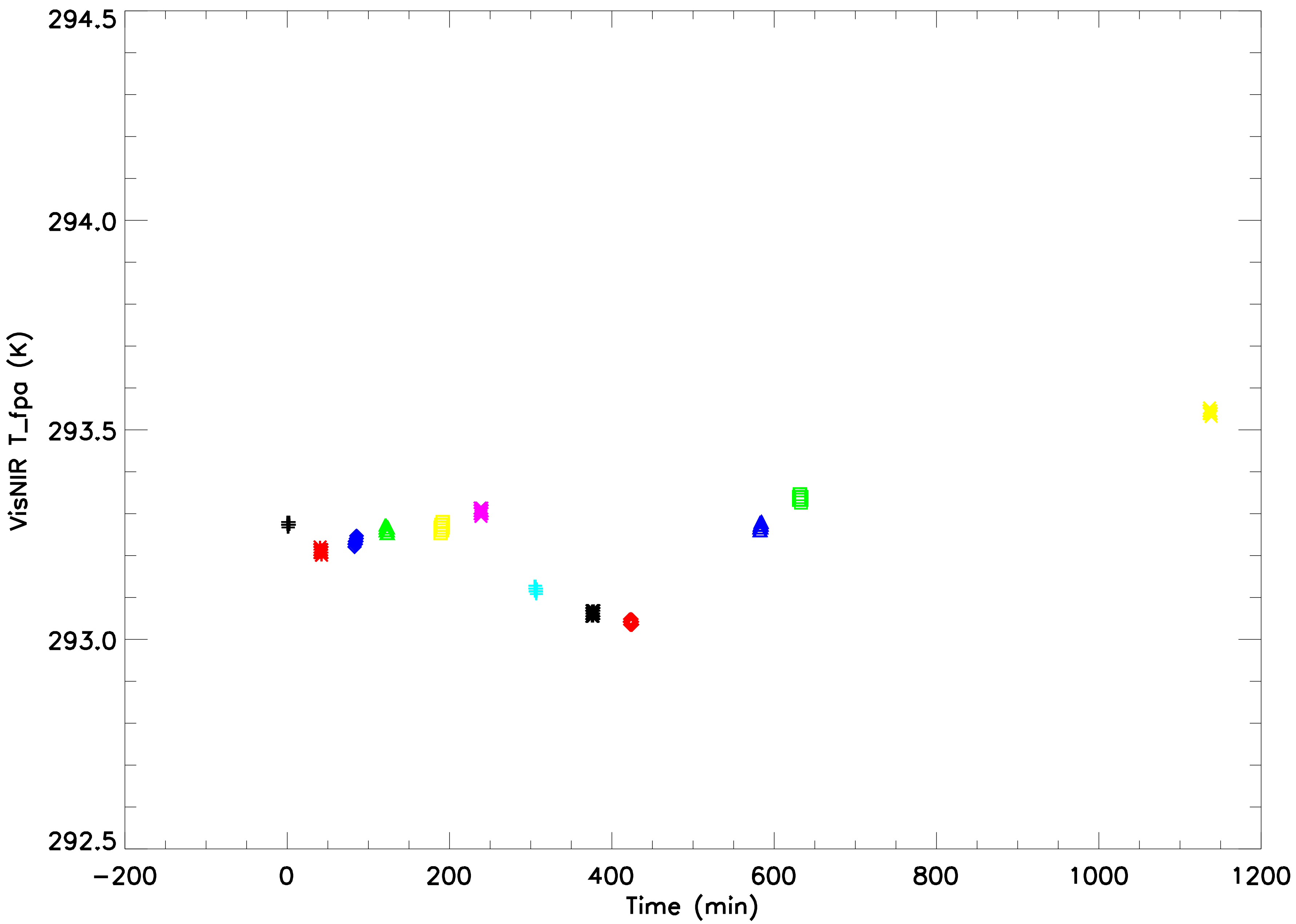

T_OBC per thermistors vs Scan
Collect=9
Collect=10
Collect=11
Collect=12
T_obc (K)
309.10
309.05
309.00
308.95
308.90
308.85
308.80
0
20
40
60
80
100
Scan
+ 1
✱ 2
◇ 3
△ 4
□ 5
× 6

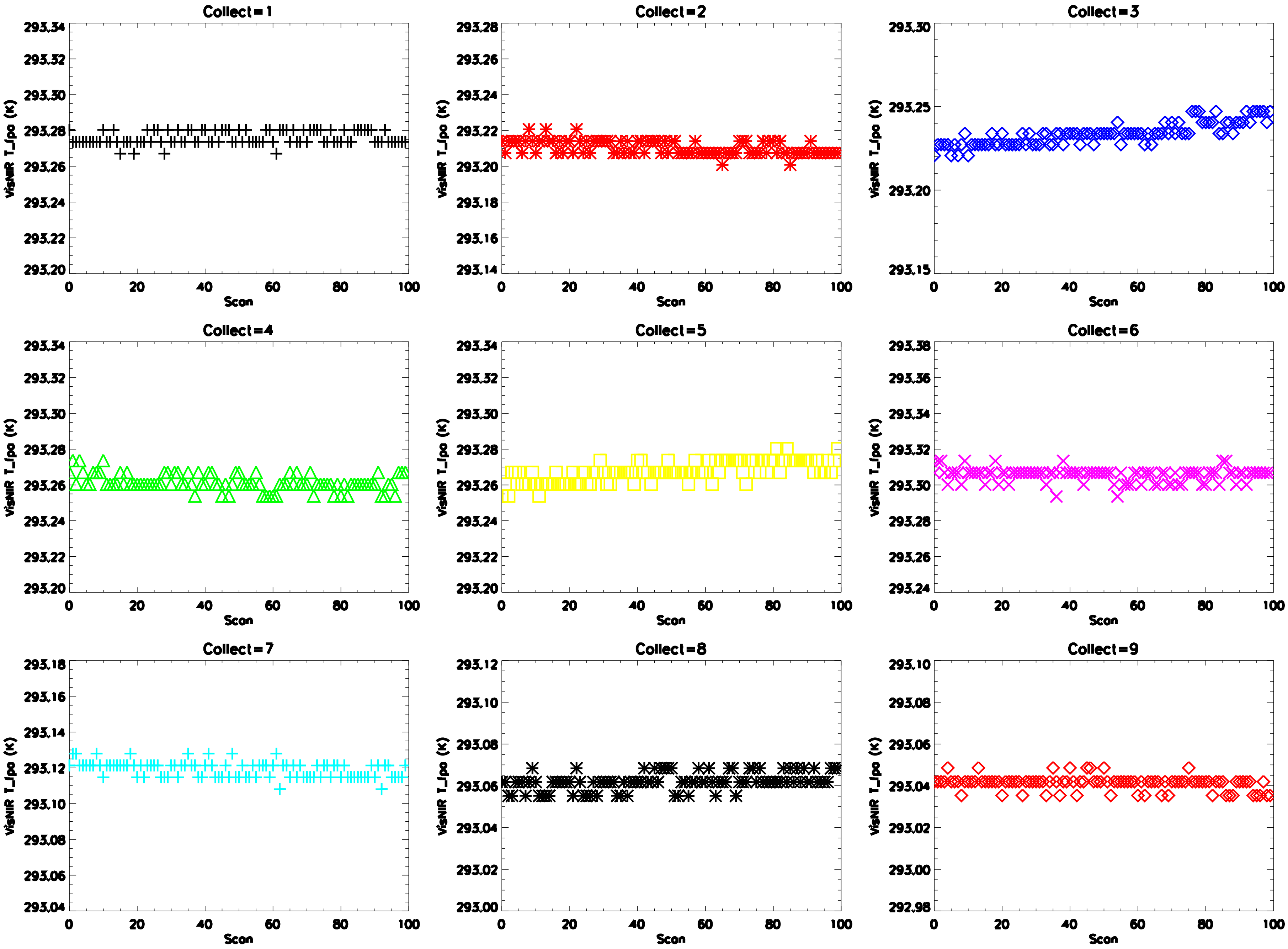

OBC thermistor standard deviation vs Time

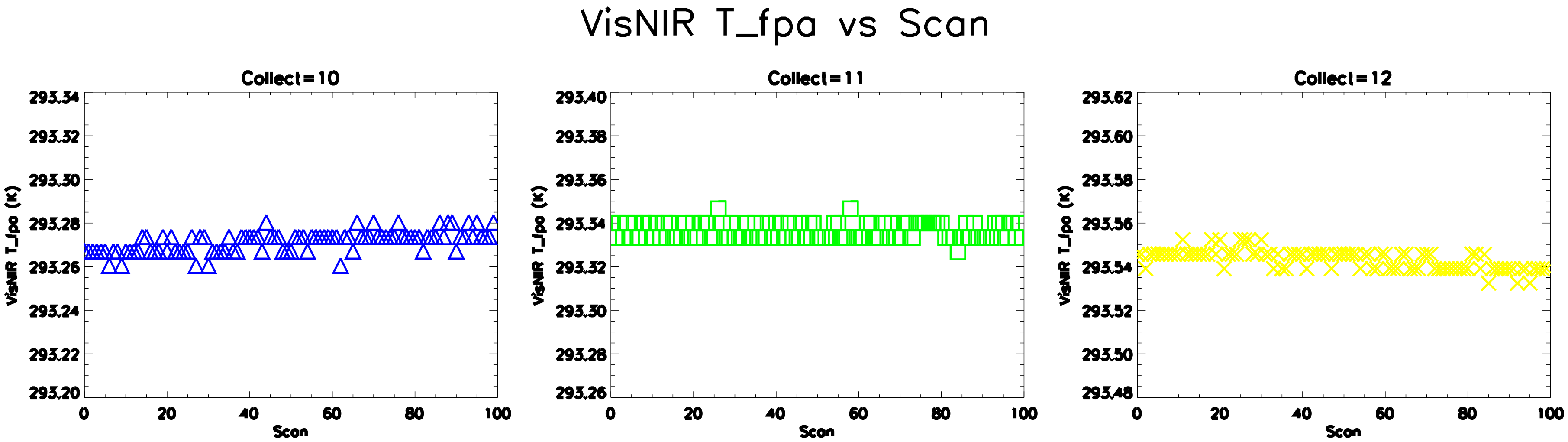


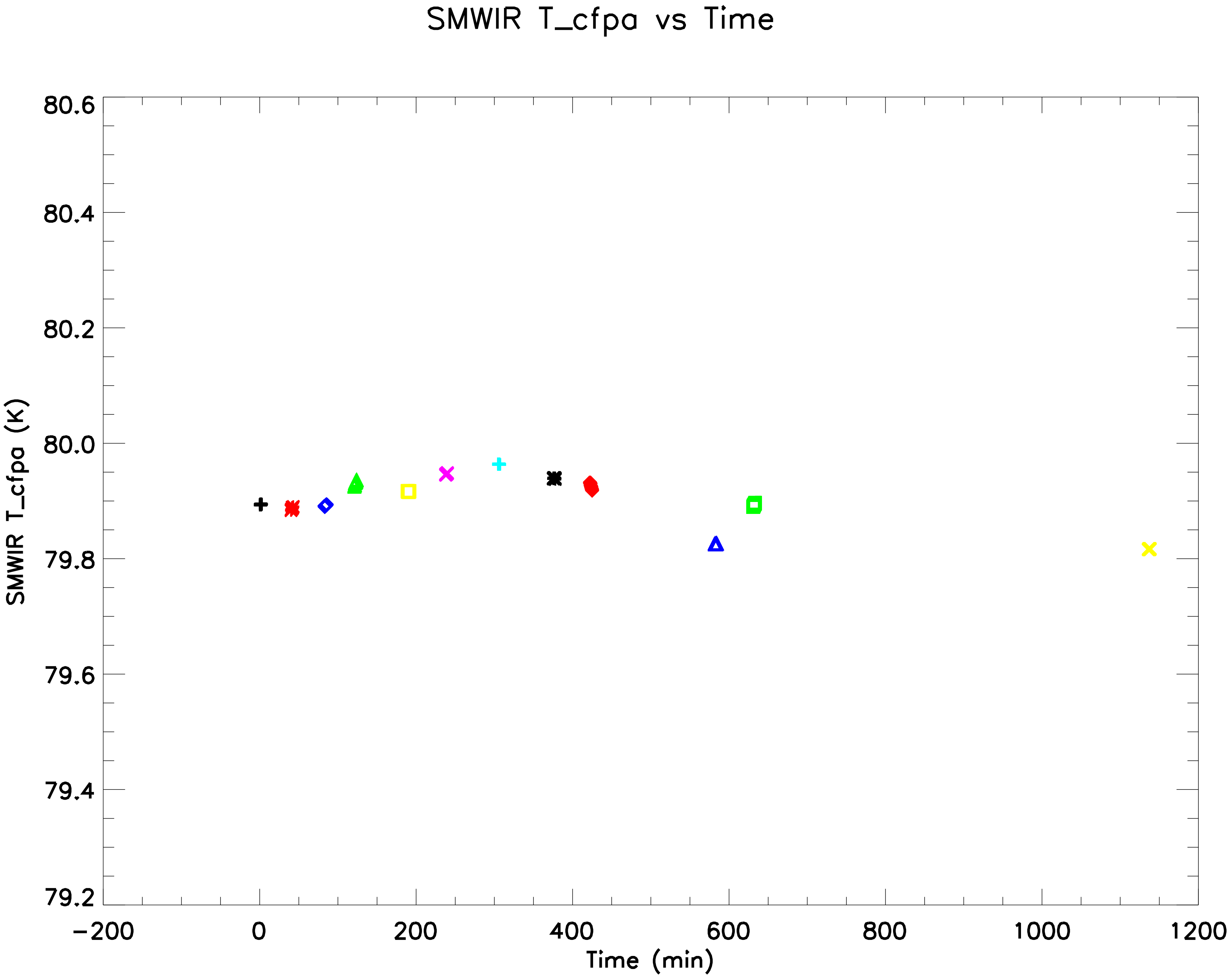
OBC thermistor standard deviation vs Collect
Standard deviation
0.10
0.08
0.06
0.04
0.02
0.00
0
5
10
15
Collect

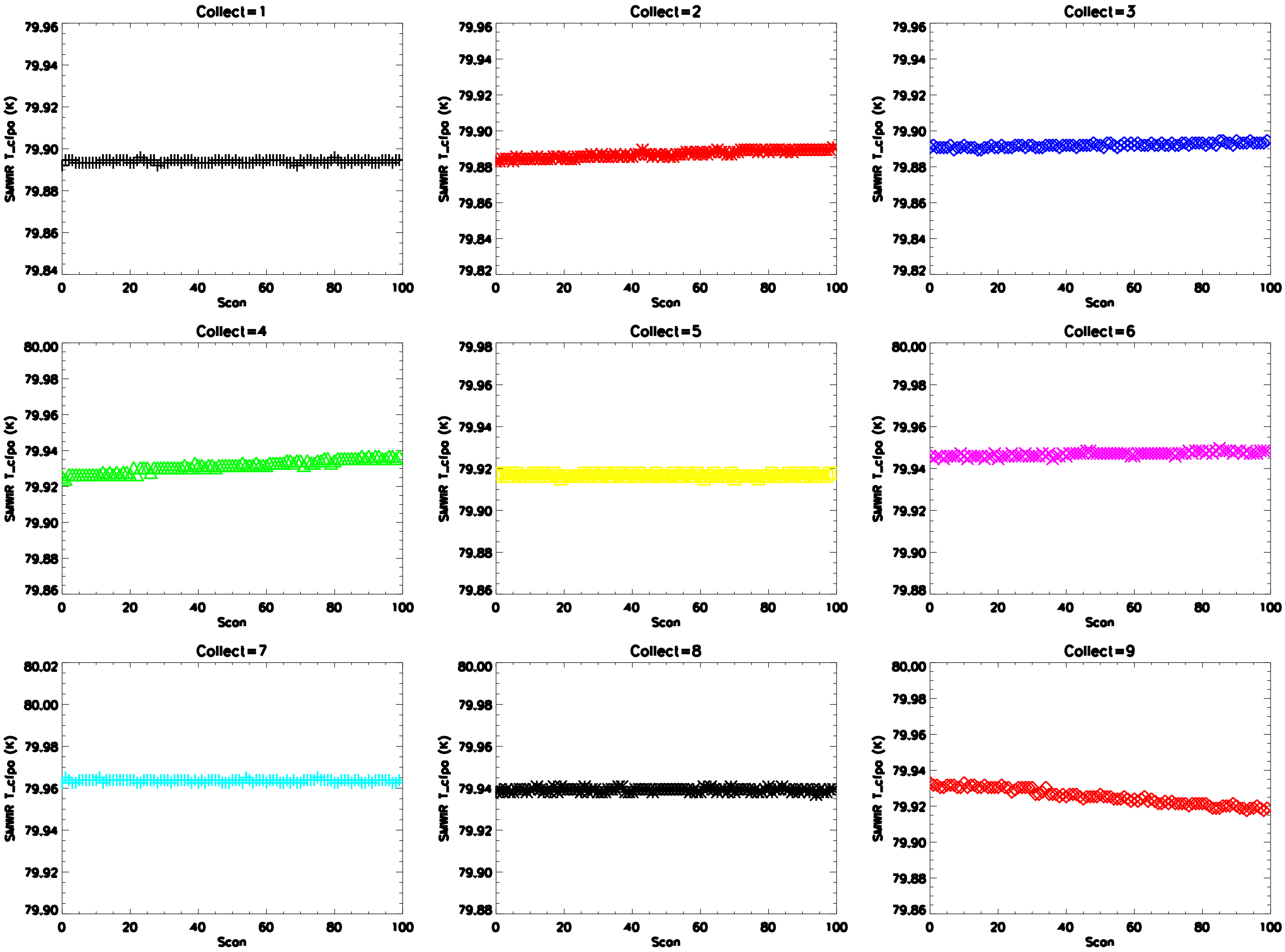
VisNIR T_fpa vs Time



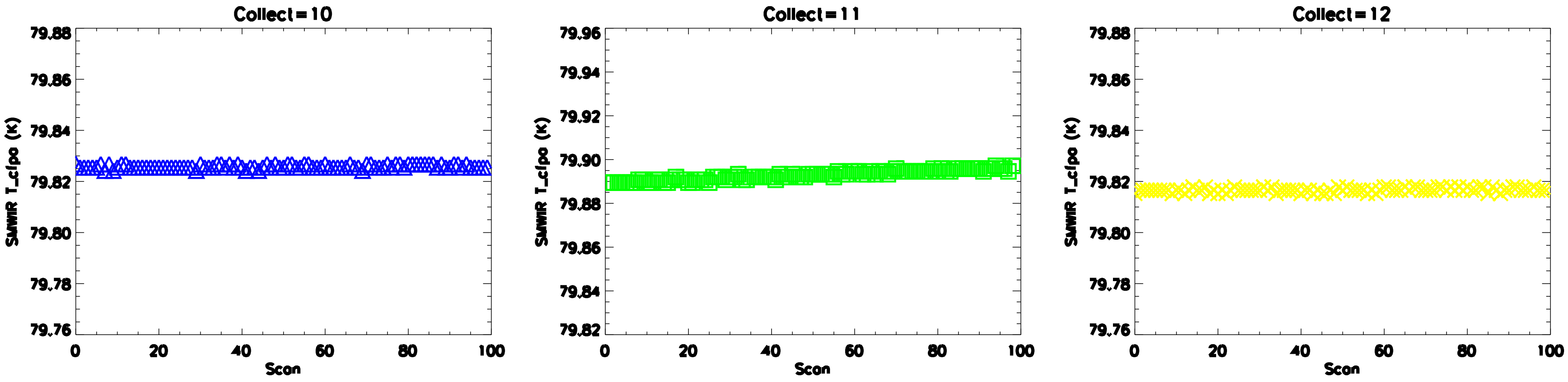

Collect=1
293.34
293.32
293.30
293.28
293.26
293.24
293.22
293.20
Collect=2
293.28
293.26
293.24
293.22
293.20
293.18
293.16
293.14
Collect=3
293.30
293.25
293.20
293.15
Collect=4
293.34
293.32
293.30
293.28
293.26
293.24
293.22
293.20
Collect=5
293.34
293.32
293.30
293.28
293.26
293.24
293.22
293.20
Collect=6
293.38
293.36
293.34
293.32
293.30
293.28
293.26
293.24
Collect=7
293.18
293.16
293.14
293.12
293.10
293.08
293.06
293.04
Collect=8
293.12
293.10
293.08
293.06
293.04
293.02
293.00
Collect=9
293.10
293.08
293.06
293.04
293.02
293.00
292.98
VisNIR T_lpo (K)
0
20
40
60
80
100
Scan


VisNIR T_fpa vs Scan
Collect=10
Collect=11
Collect=12
VisNIR T_fpa (K)
293.34
293.32
293.30
293.28
293.26
293.24
293.22
293.20
293.40
293.38
293.36
293.34
293.32
293.30
293.28
293.26
293.62
293.60
293.58
293.56
293.54
293.52
293.50
293.48
0
20
40
60
80
100
Scan

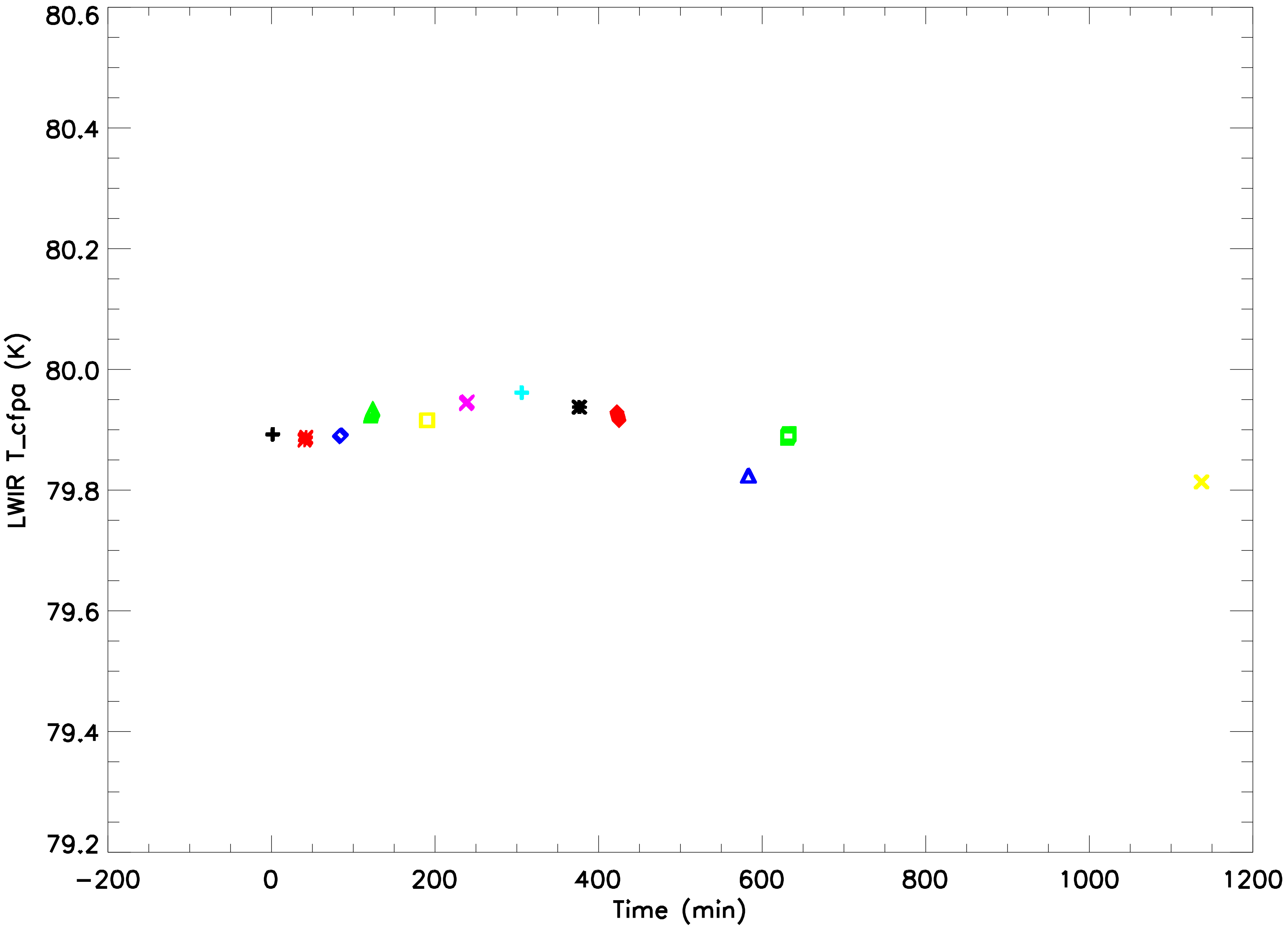

SMWIR T_cfpa vs Time
SMWIR T_cfpa (K)
80.6
80.4
80.2
80.0
79.8
79.6
79.4
79.2
−200
0
200
400
600
800
1000
1200
Time (min)

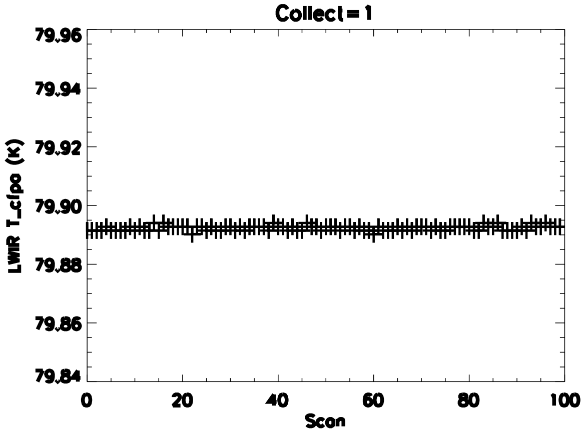

Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
SMWIR T_clpo (K)
Scan
79.84
79.86
79.88
79.90
79.92
79.94
79.96
79.82
79.98
80.00
80.02
0
20
40
60
80
100

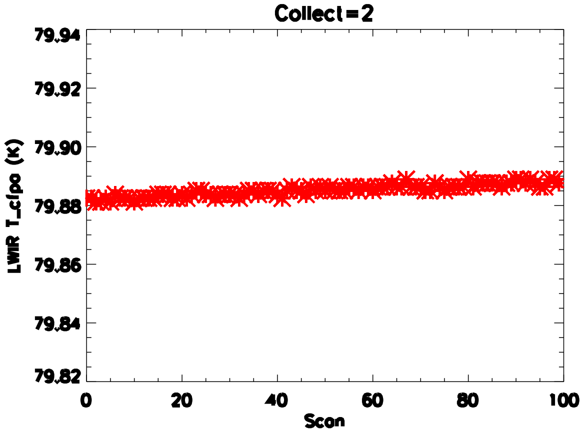
SMWIR T_cfpa vs Scan

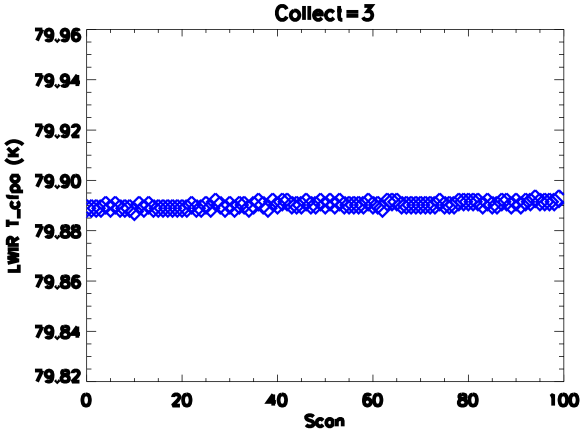


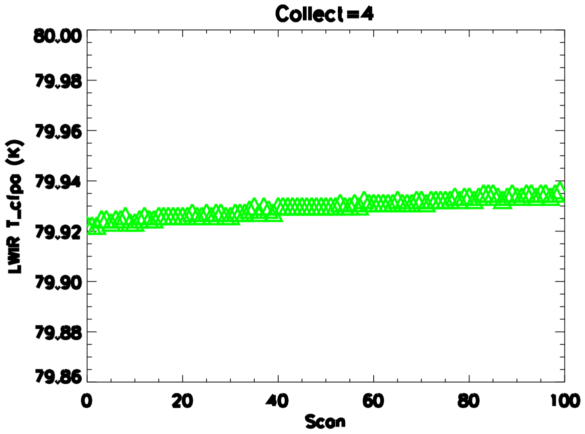
LWIR T_cfpa vs Time

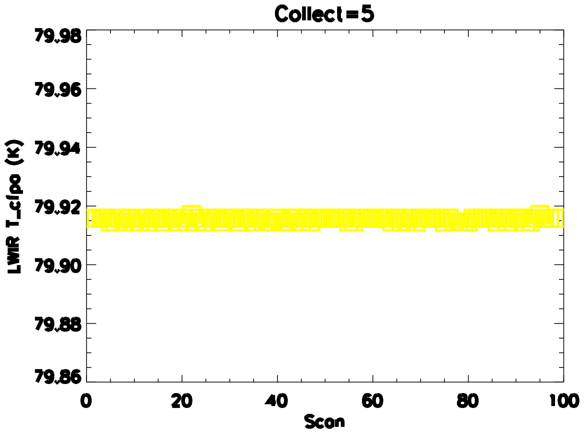


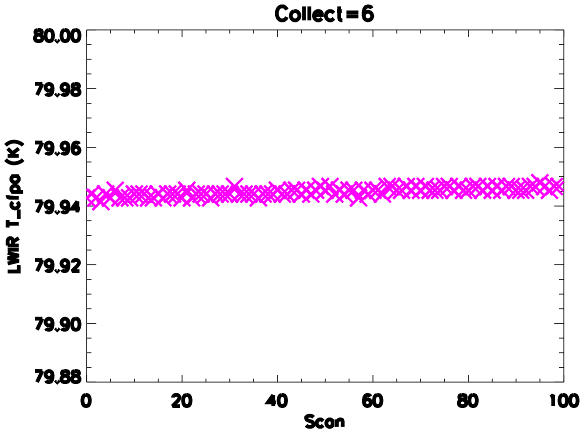

Collect=1
79.96
79.94
79.92
79.90
79.88
79.86
79.84
LWIR T_clpo (K)
0
20
40
60
80
100
Scan

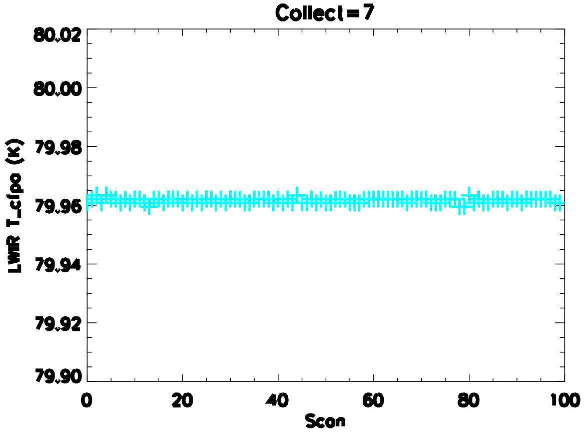

Collect=2
79.94
79.92
79.90
79.88
79.86
79.84
79.82
LWIR T_clpo (K)
0
20
40
60
80
100
Scan

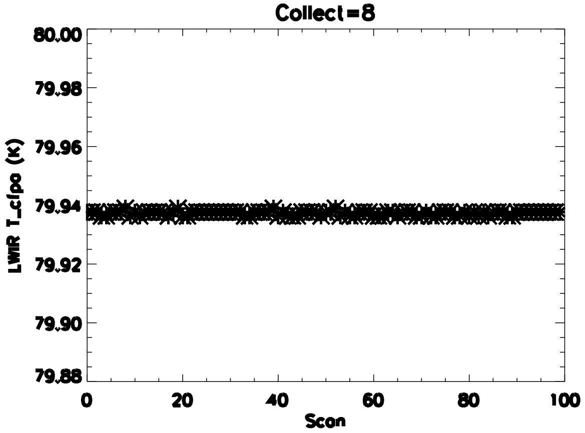

Collect=3
79.96
79.94
79.92
79.90
79.88
79.86
79.84
79.82
LWIR T_clpo (K)
0
20
40
60
80
100
Scan

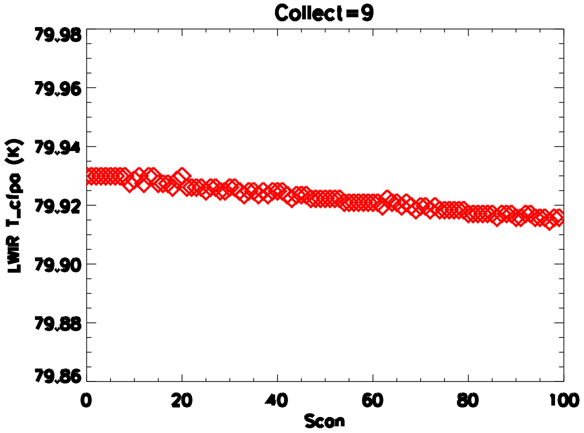

Collect=4
80.00
79.98
79.96
79.94
79.92
79.90
79.88
79.86
LWIR T_clpo (K)
0
20
40
60
80
100
Scan


Collect=5
79.98
79.96
79.94
79.92
79.90
79.88
79.86
LWIR T_clpo (K)
0
20
40
60
80
100
Scan

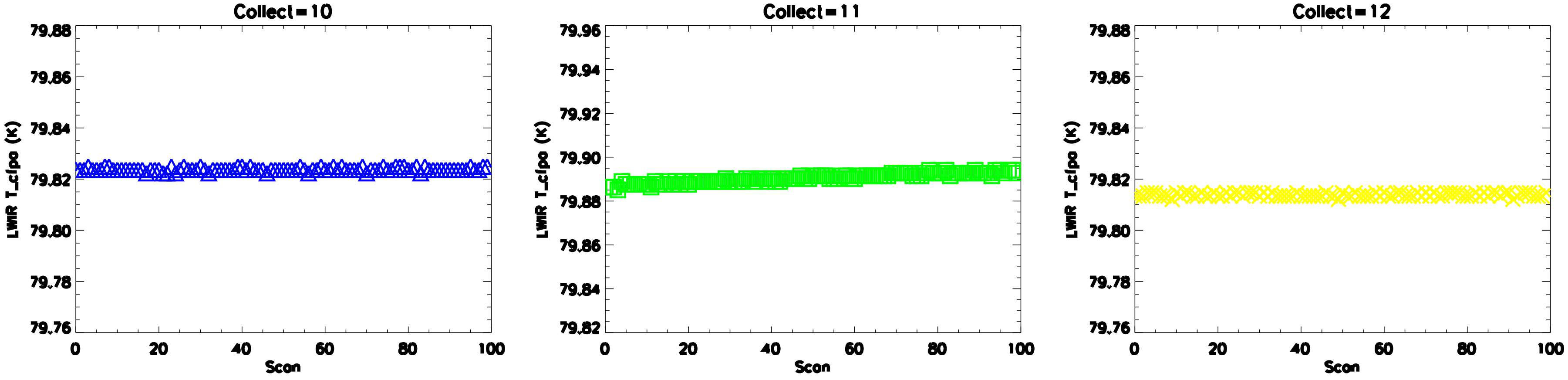

Collect=6
80.00
79.98
79.96
79.94
79.92
79.90
79.88
LWIR T_clpo (K)
0
20
40
60
80
100
Scan

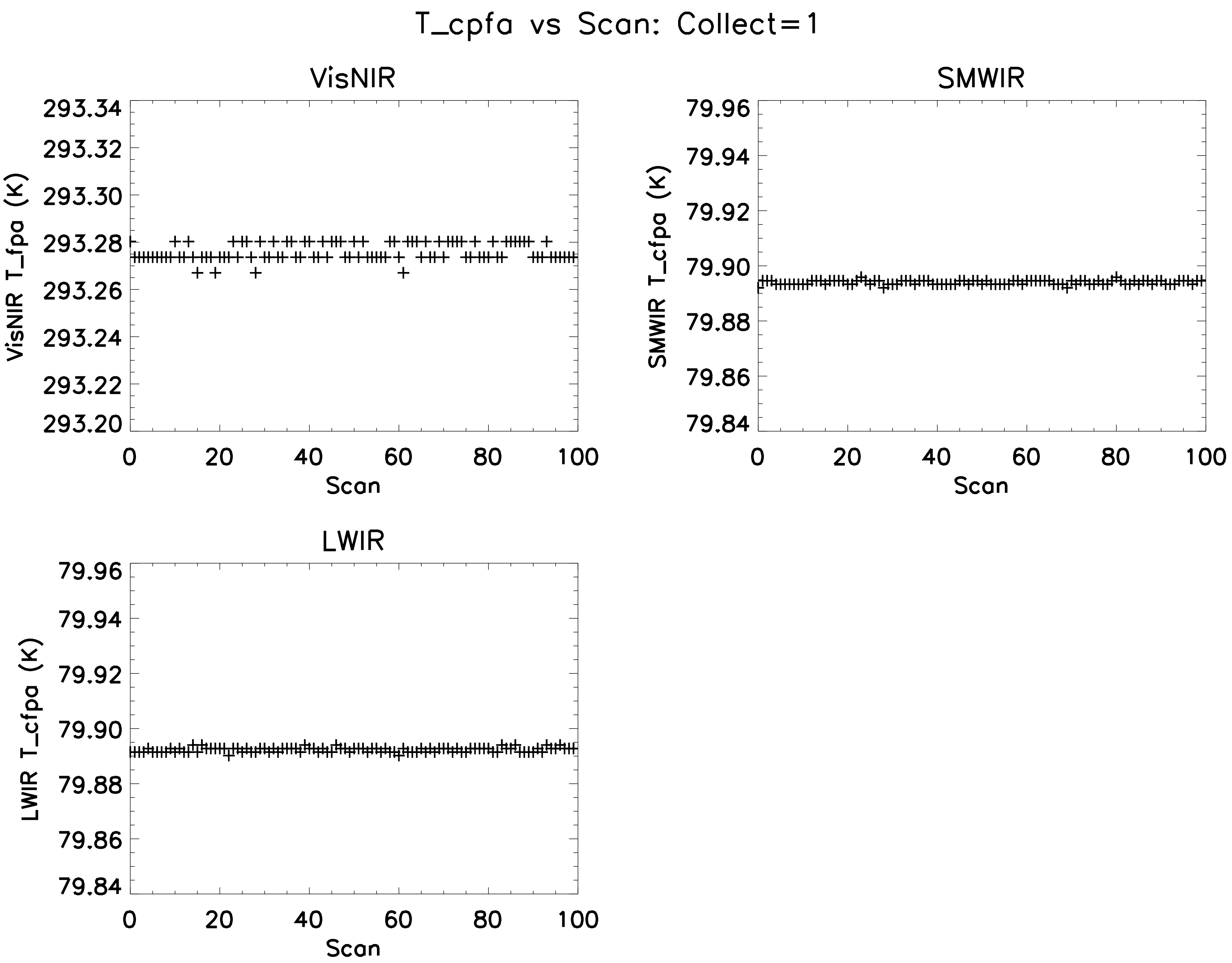

Collect=7
80.02
80.00
79.98
79.96
79.94
79.92
79.90
LWIR T_clpo (K)
0
20
40
60
80
100
Scan


Collect=8
80.00
79.98
79.96
79.94
79.92
79.90
79.88
LWIR T_clpo (K)
0
20
40
60
80
100
Scan

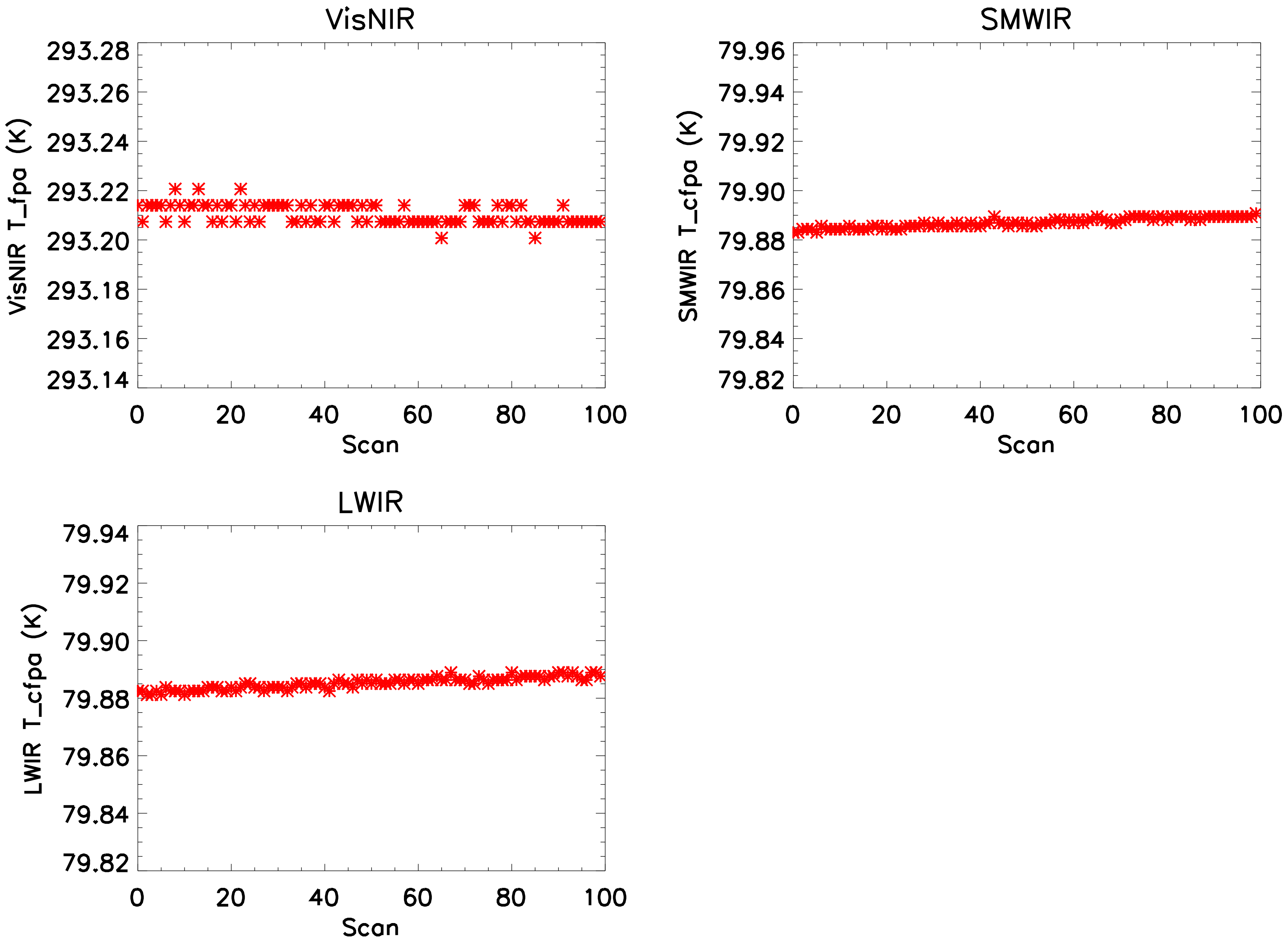

Collect=9
79.98
79.96
79.94
79.92
79.90
79.88
79.86
LWIR T_clpo (K)
0
20
40
60
80
100
Scan

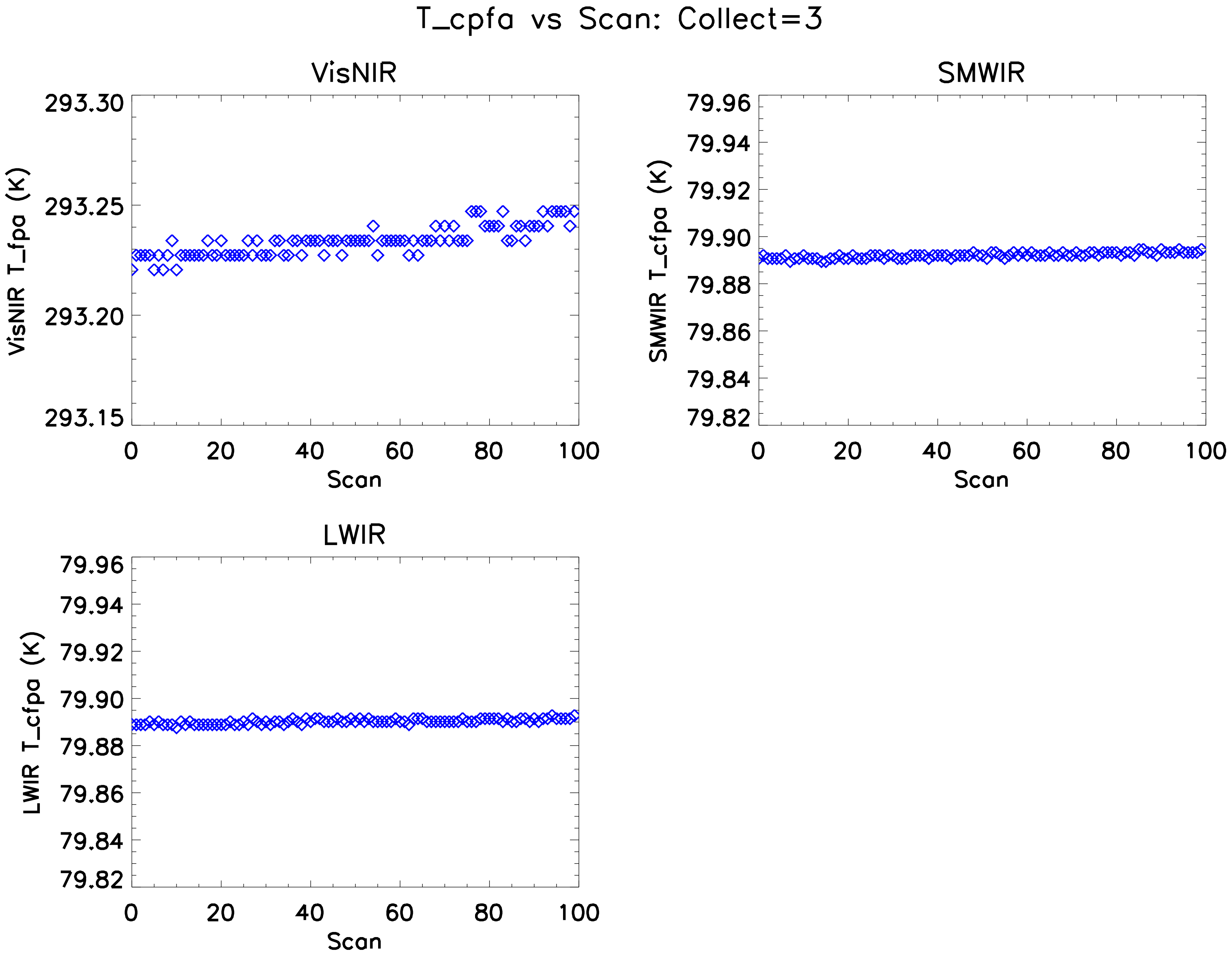
LWIR T_cfpa vs Scan

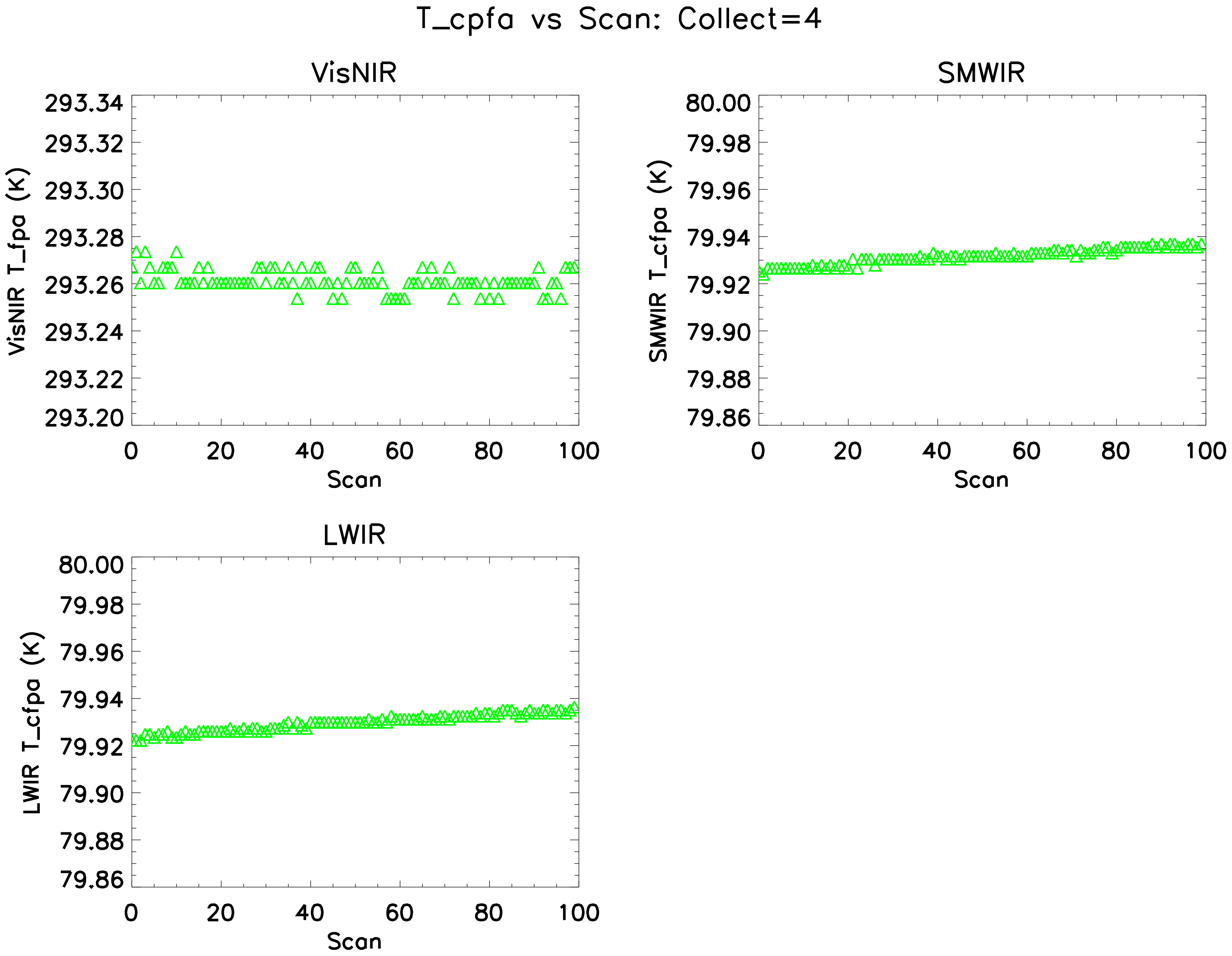



T_cpfa vs Scan: Collect=1

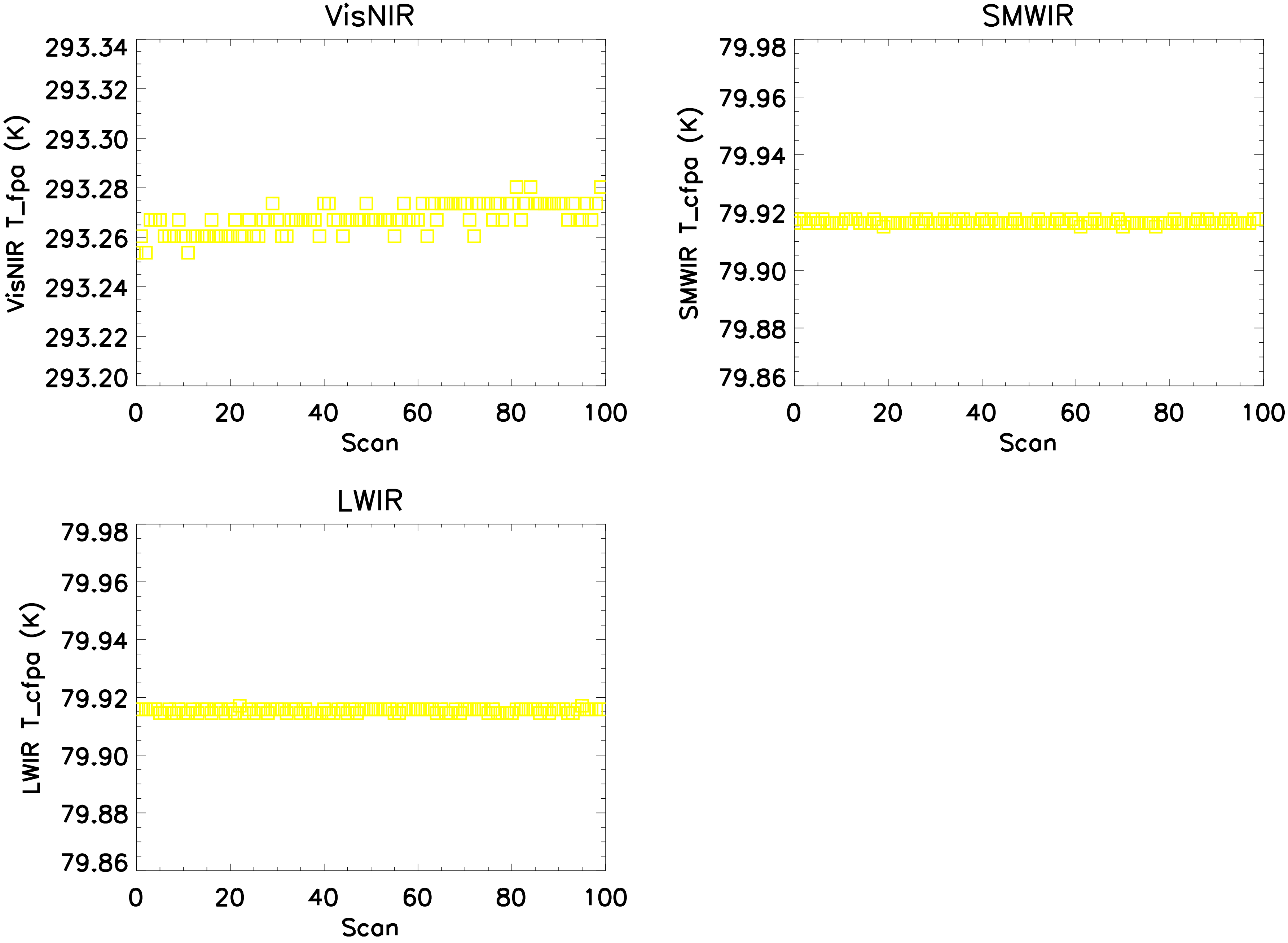
T_cpfa vs Scan: Collect=2



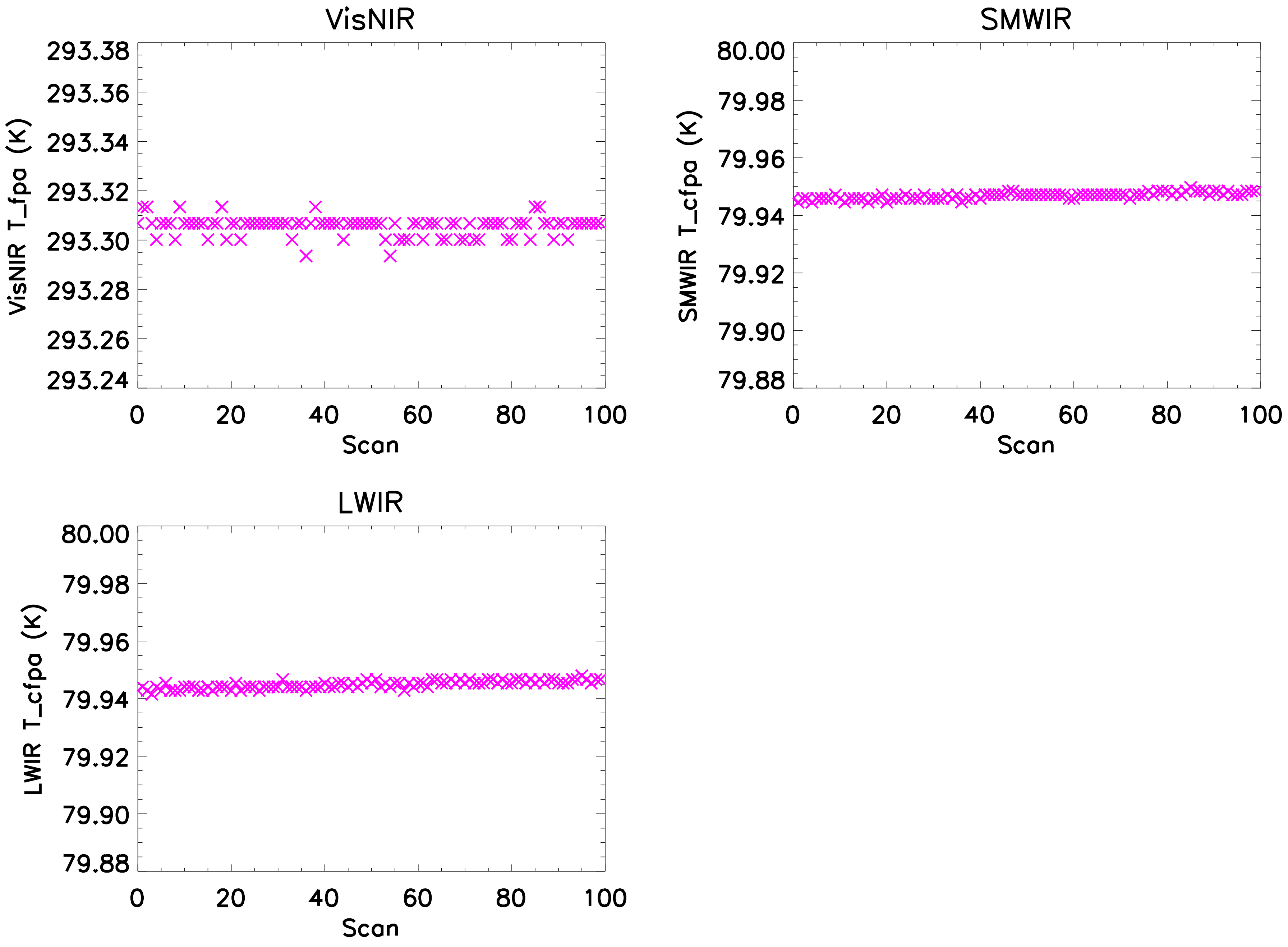

T_cpfa vs Scan: Collect=3
VisNIR
VisNIR T_fpa (K)
293.30
293.25
293.20
293.15
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
79.96
79.94
79.92
79.90
79.88
79.86
79.84
79.82
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
79.96
79.94
79.92
79.90
79.88
79.86
79.84
79.82
0
20
40
60
80
100
Scan


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

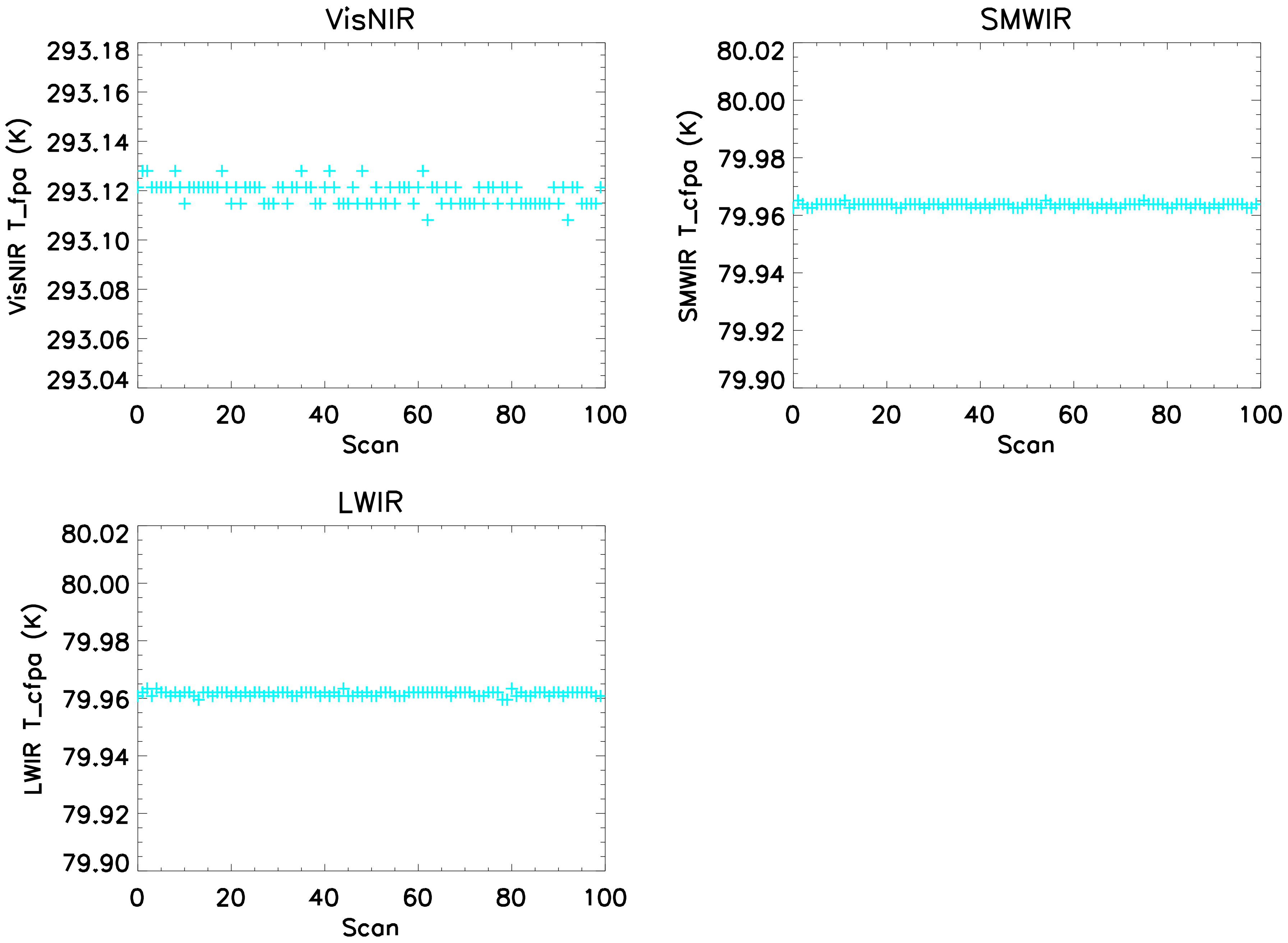
T_cpfa vs Scan: Collect=5



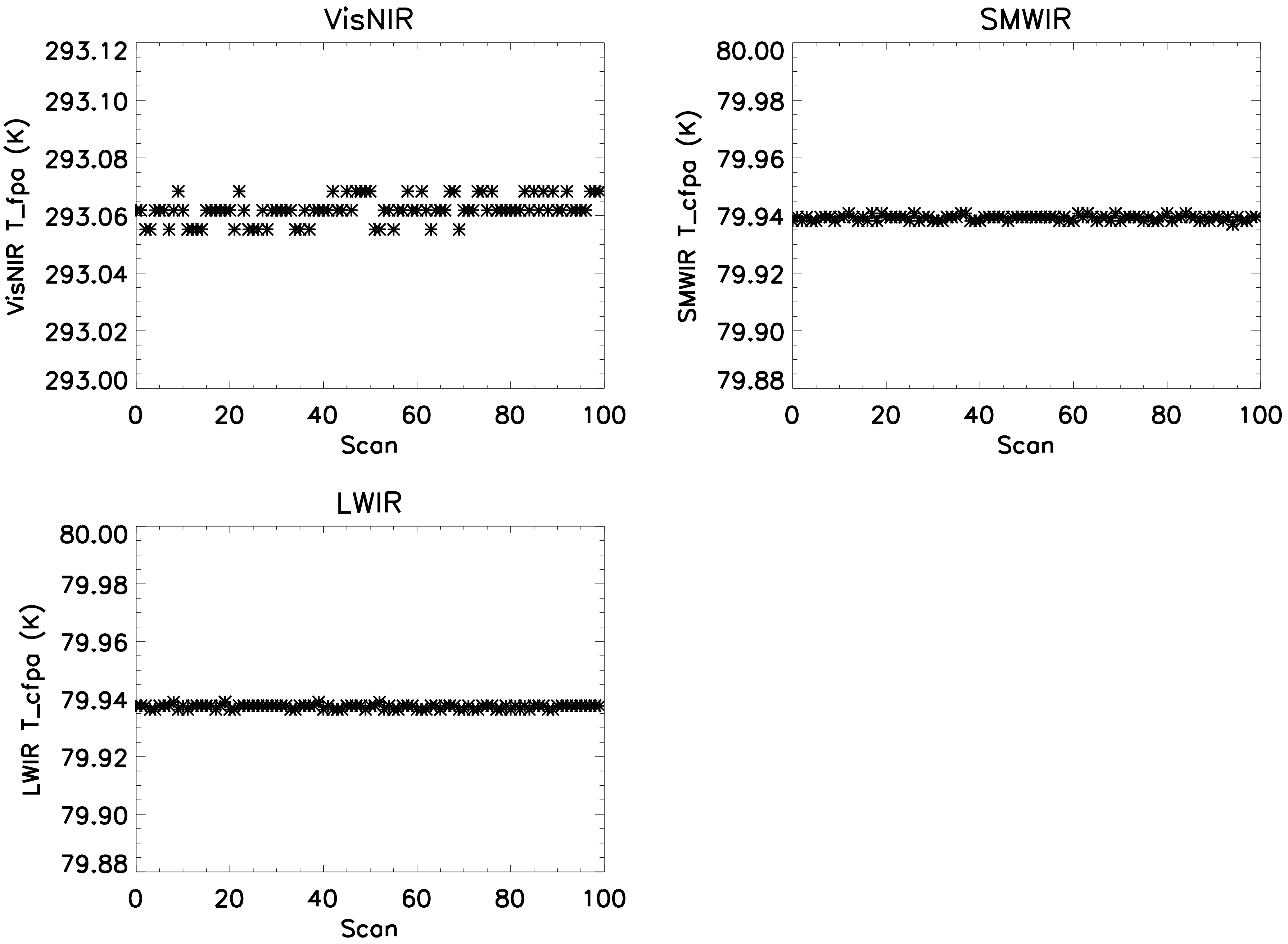
T_cpfa vs Scan: Collect=6



T_cpfa vs Scan: Collect=7



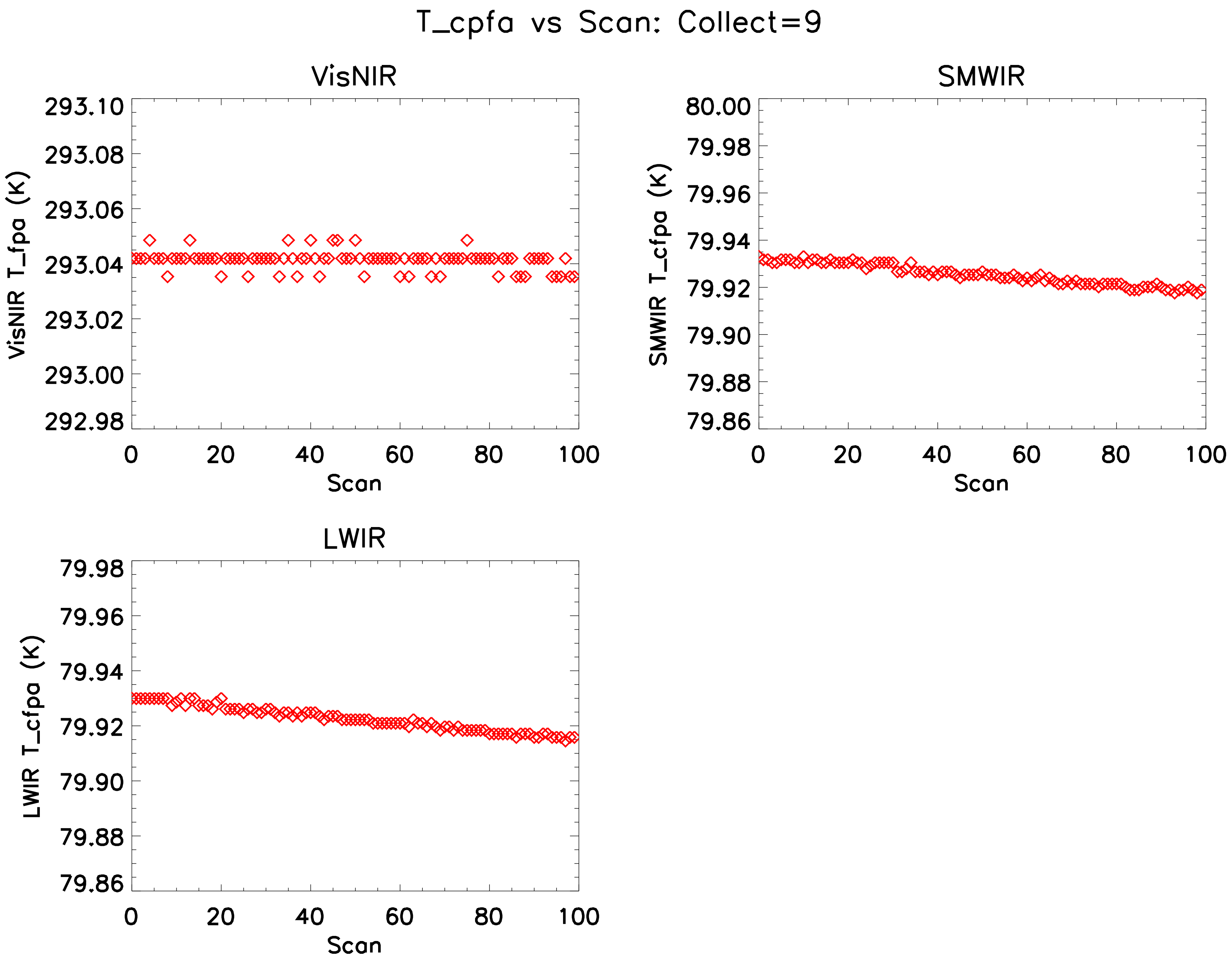
T_cpfa vs Scan: Collect=8

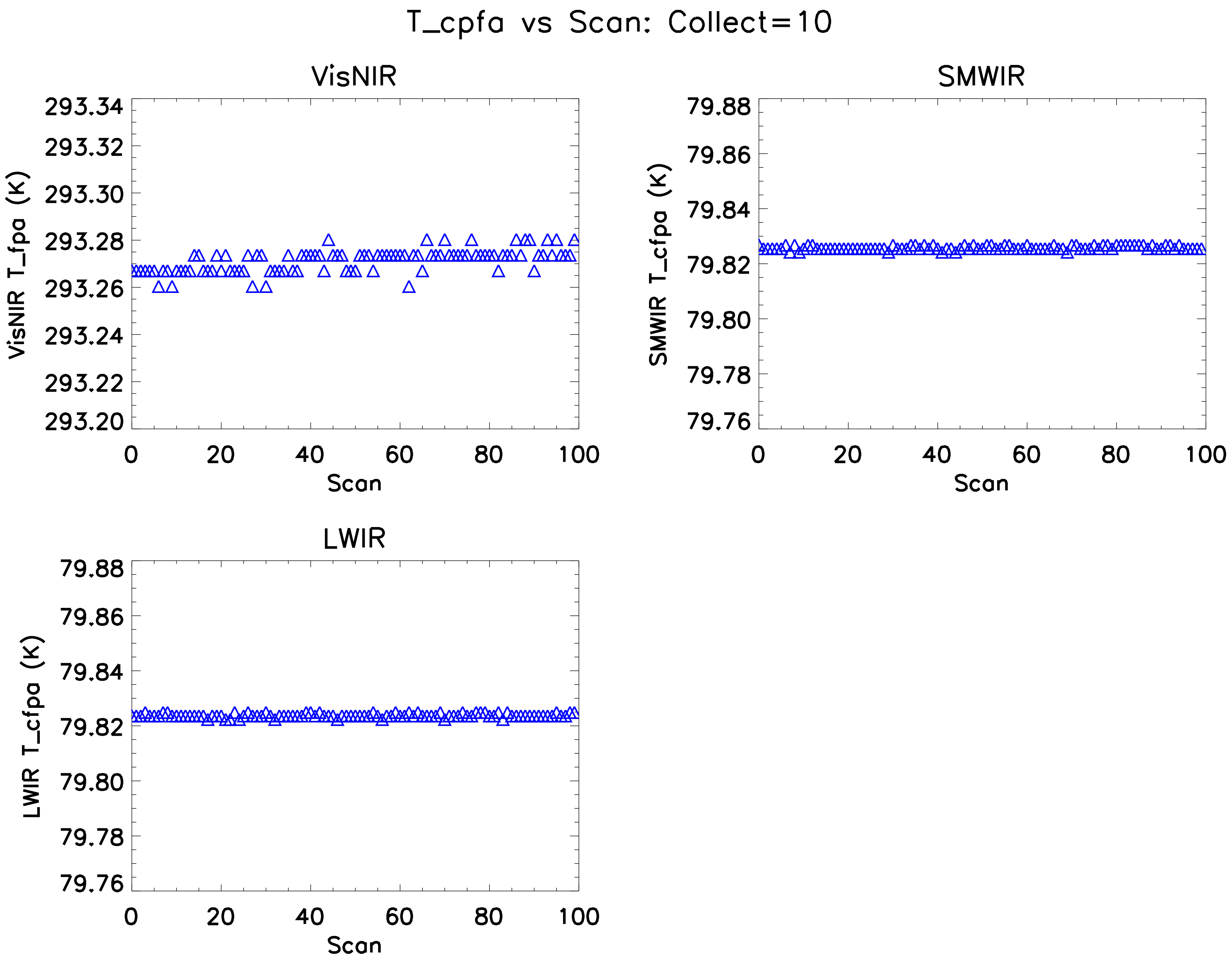


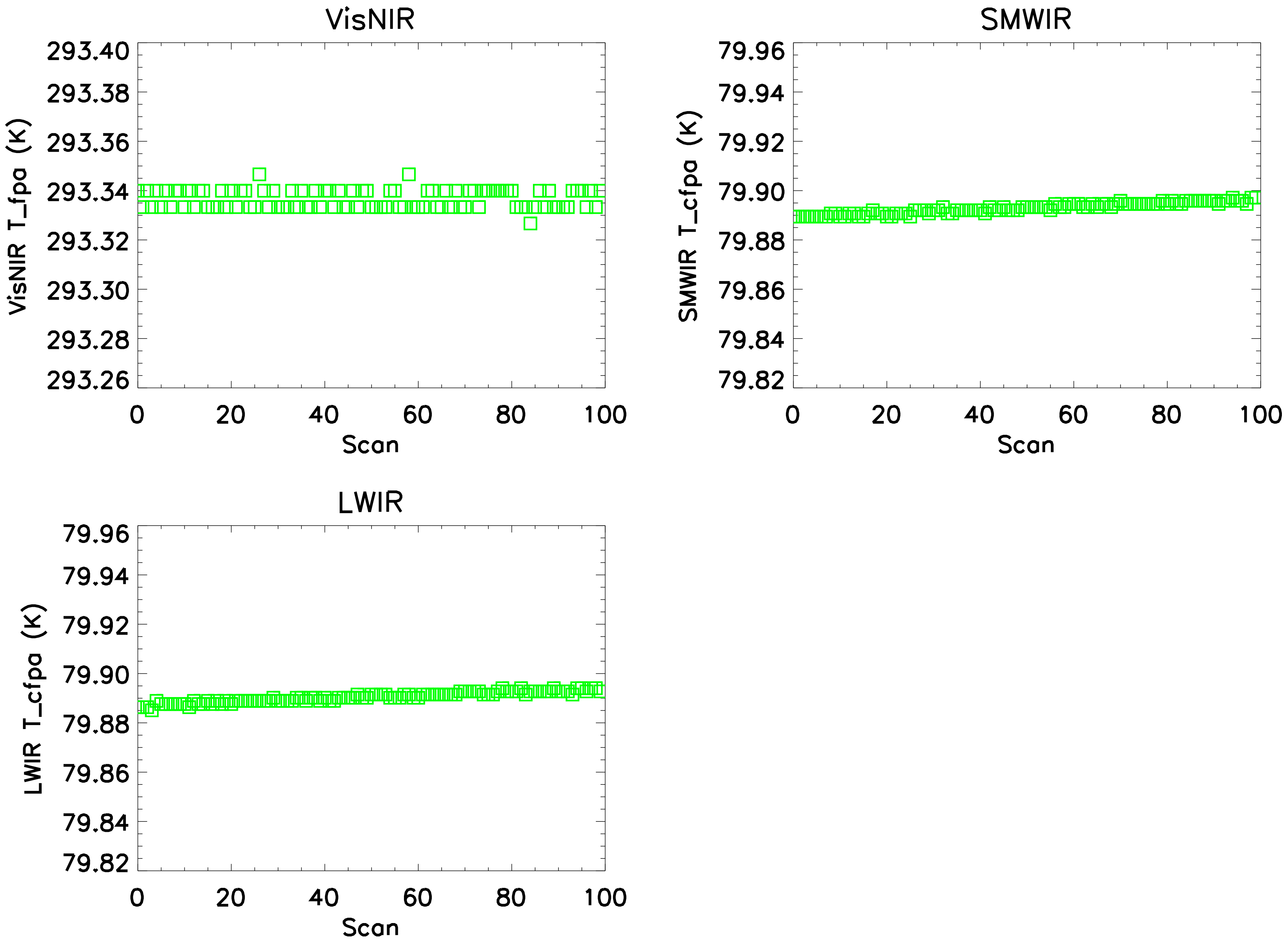
VisNIR

SMWIR

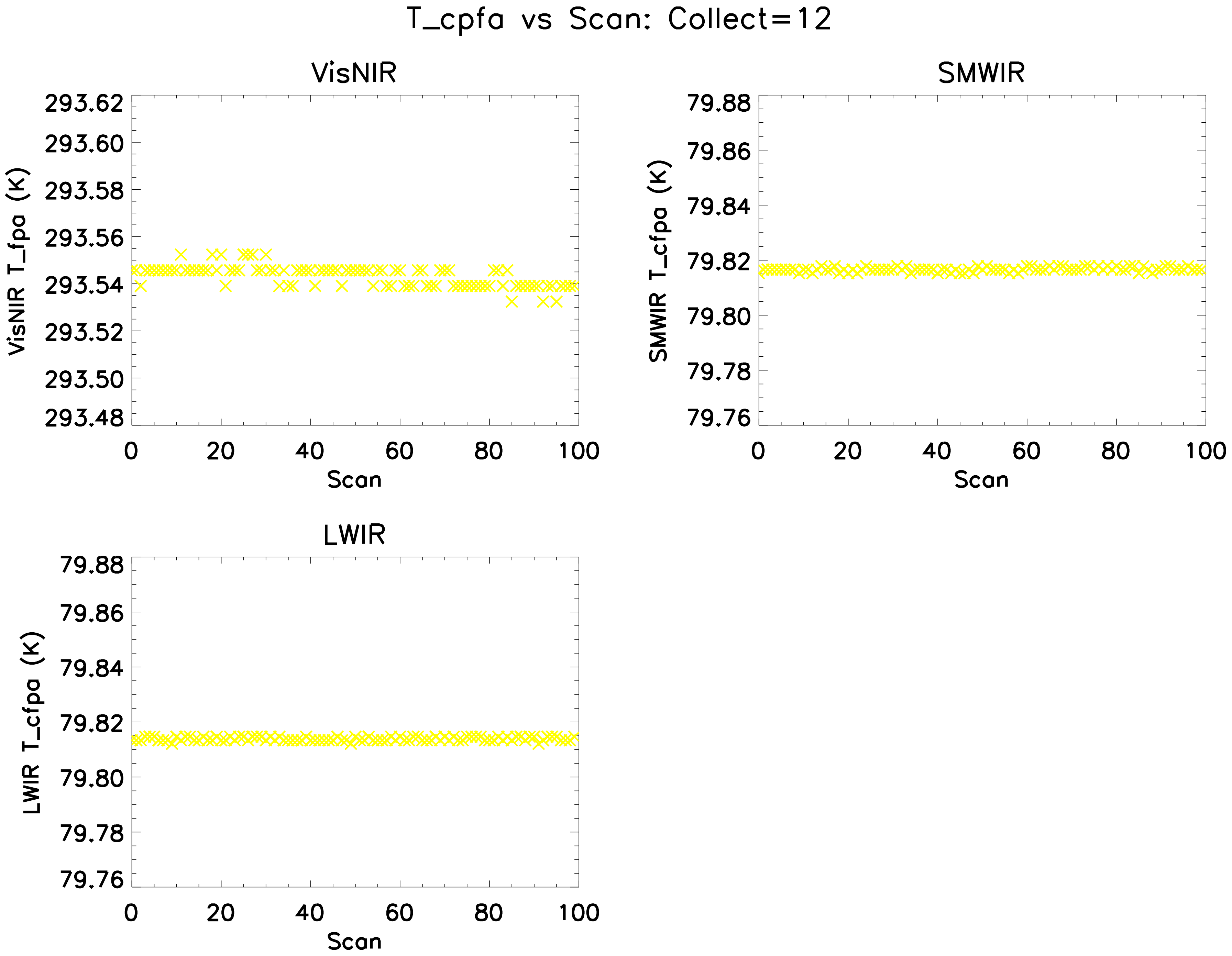
LWIR

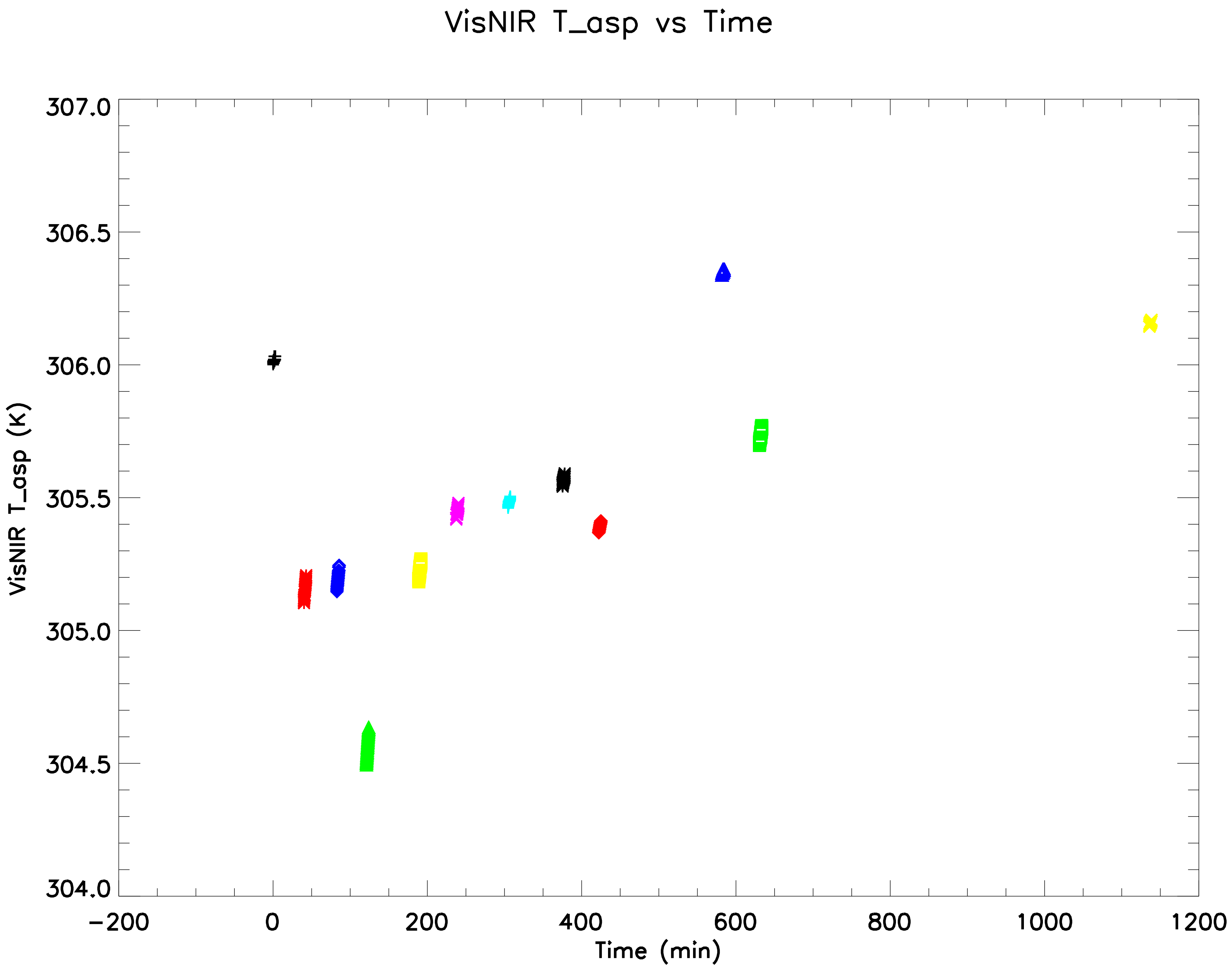

T_cpfa vs Scan: Collect=9
VisNIR
VisNIR T_fpa (K)
293.10
293.08
293.06
293.04
293.02
293.00
292.98
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
80.00
79.98
79.96
79.94
79.92
79.90
79.88
79.86
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
79.98
79.96
79.94
79.92
79.90
79.88
79.86
0
20
40
60
80
100
Scan

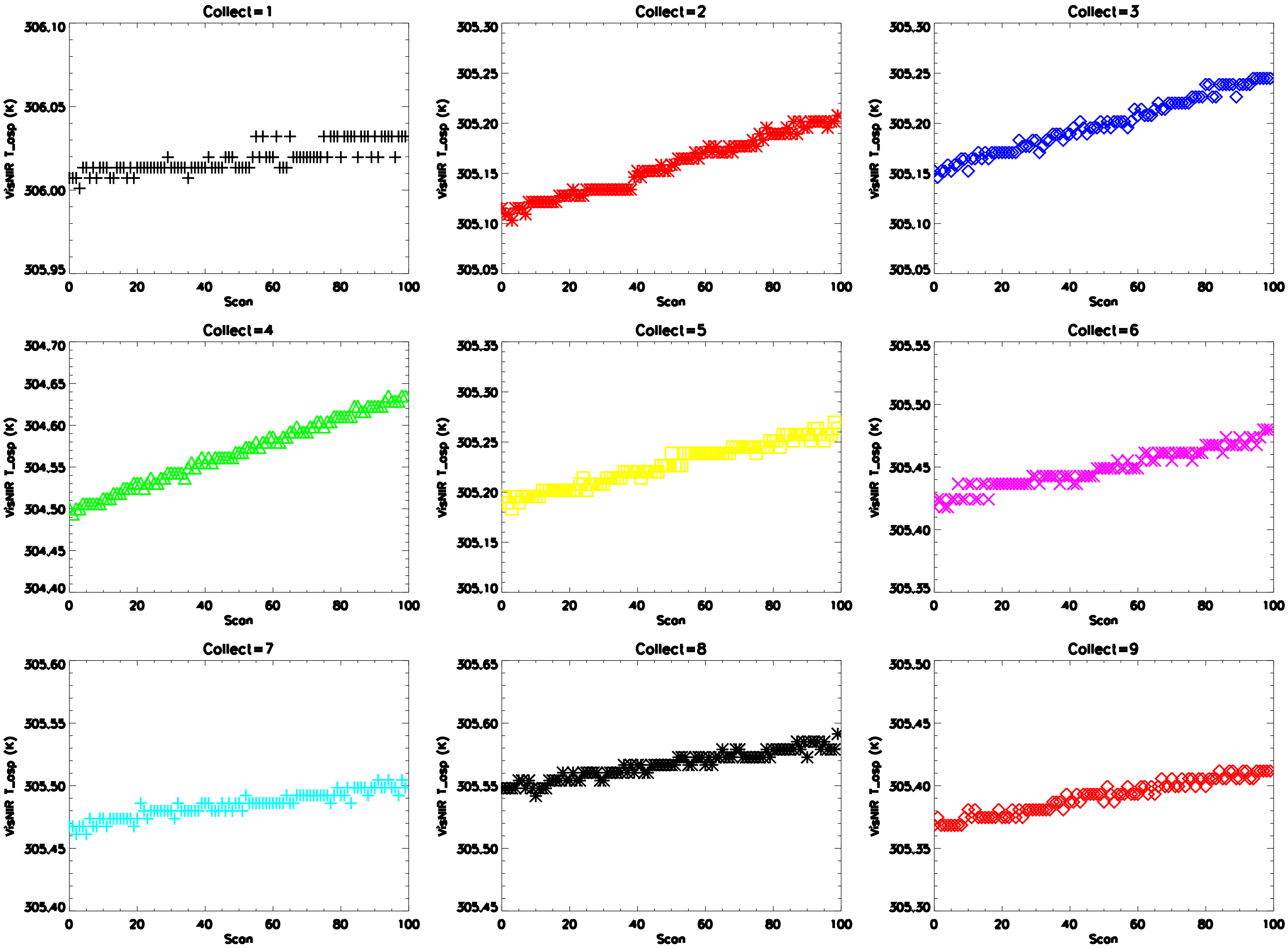

T_cpfa vs Scan: Collect=10
VisNIR
VisNIR T_fpa (K)
293.34
293.32
293.30
293.28
293.26
293.24
293.22
293.20
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_cfpa (K)
79.88
79.86
79.84
79.82
79.80
79.78
79.76
0
20
40
60
80
100
Scan
LWIR
LWIR T_cfpa (K)
79.88
79.86
79.84
79.82
79.80
79.78
79.76
0
20
40
60
80
100
Scan

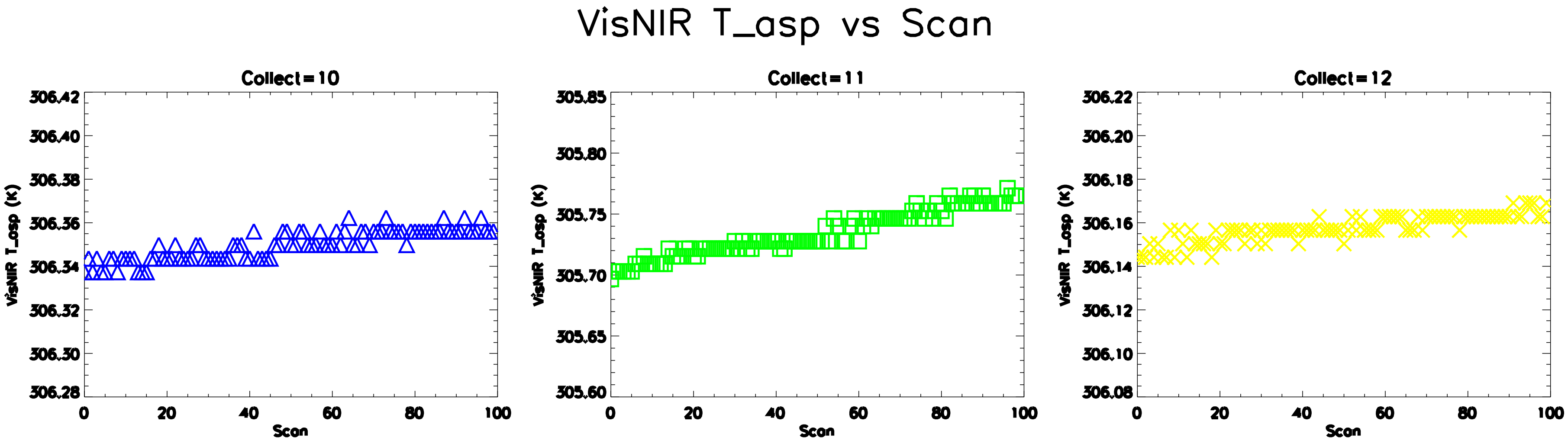


T_cpfa vs Scan: Collect=11


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)

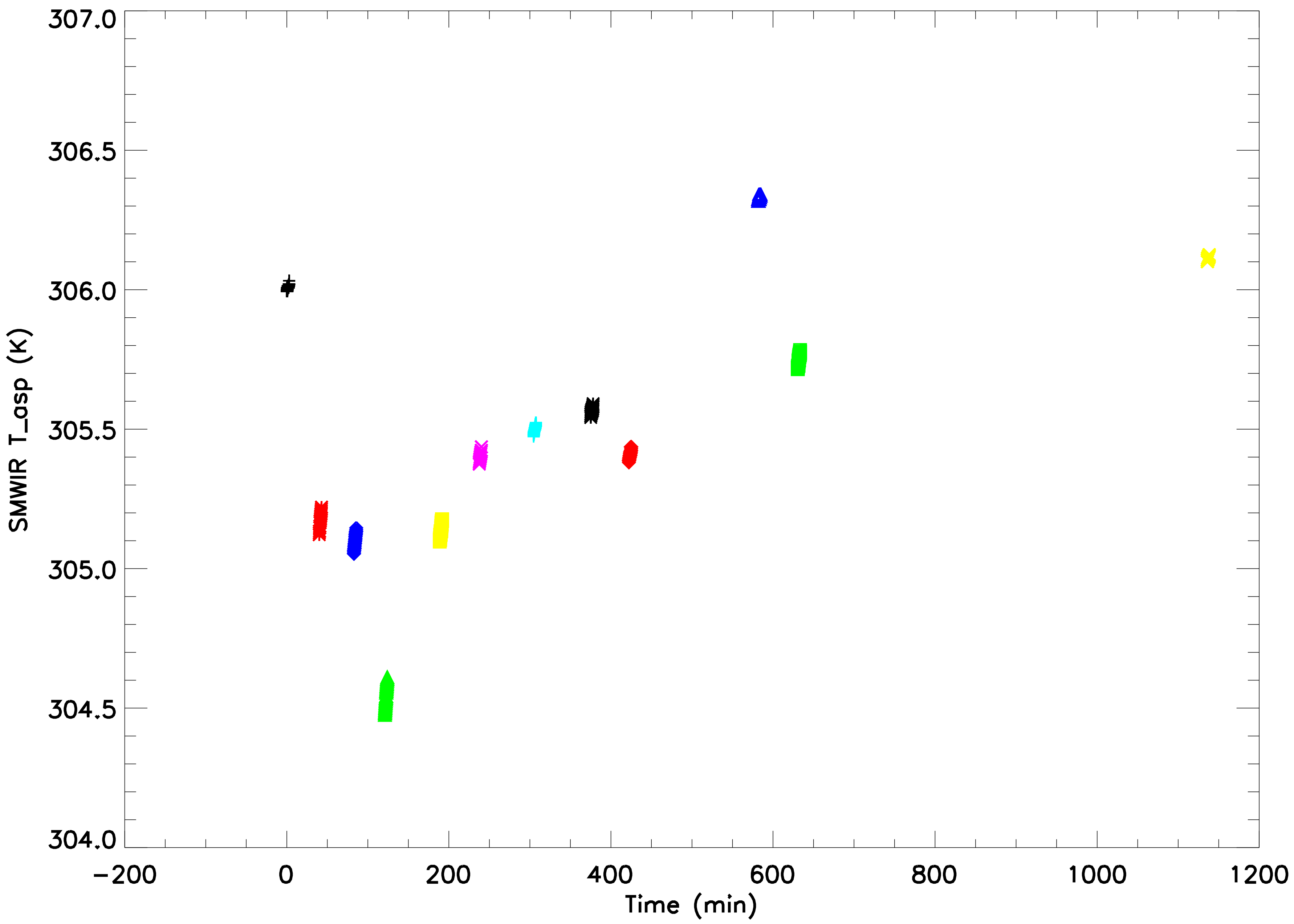

Collect=1
306.10
306.05
306.00
305.95
Collect=2
305.30
305.25
305.20
305.15
305.10
305.05
Collect=3
305.30
305.25
305.20
305.15
305.10
305.05
Collect=4
304.70
304.65
304.60
304.55
304.50
304.45
304.40
Collect=5
305.35
305.30
305.25
305.20
305.15
305.10
Collect=6
305.55
305.50
305.45
305.40
305.35
Collect=7
305.60
305.55
305.50
305.45
305.40
Collect=8
305.65
305.60
305.55
305.50
305.45
Collect=9
305.50
305.45
305.40
305.35
305.30
VisNIR T_osp (K)
0
20
40
60
80
100
Scan

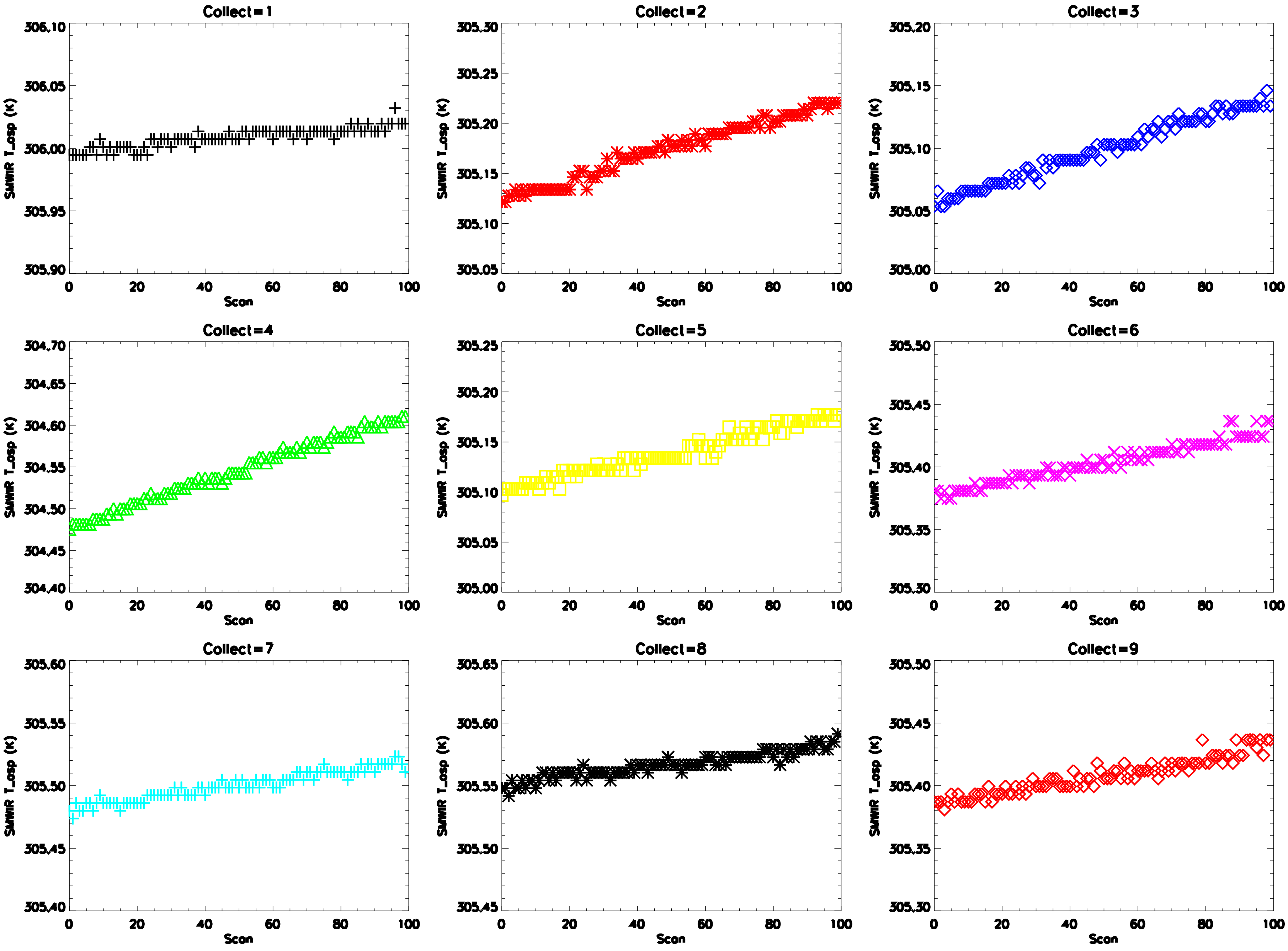

VisNIR T_asp vs Scan

Collect=10

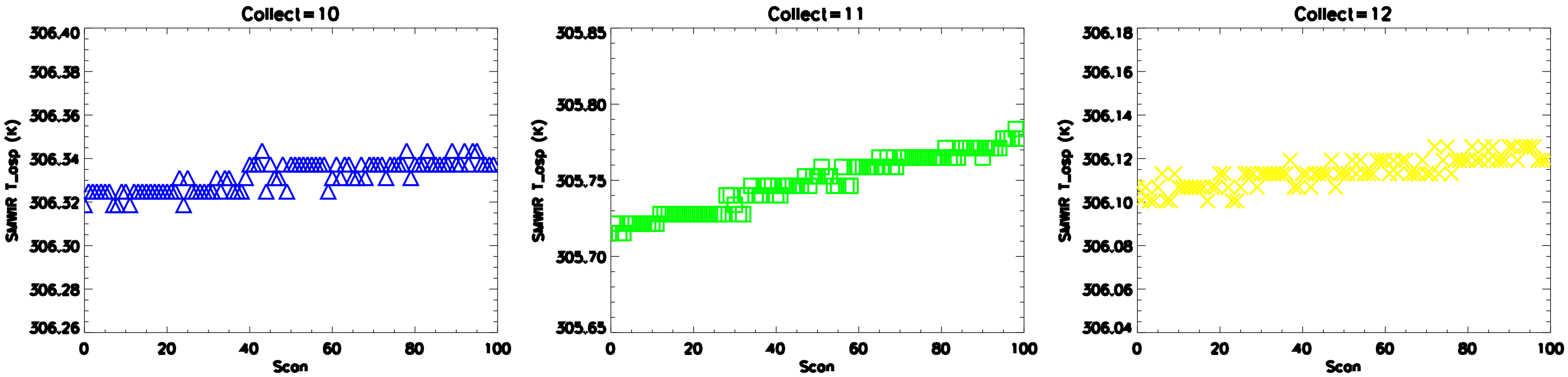
Collect=11

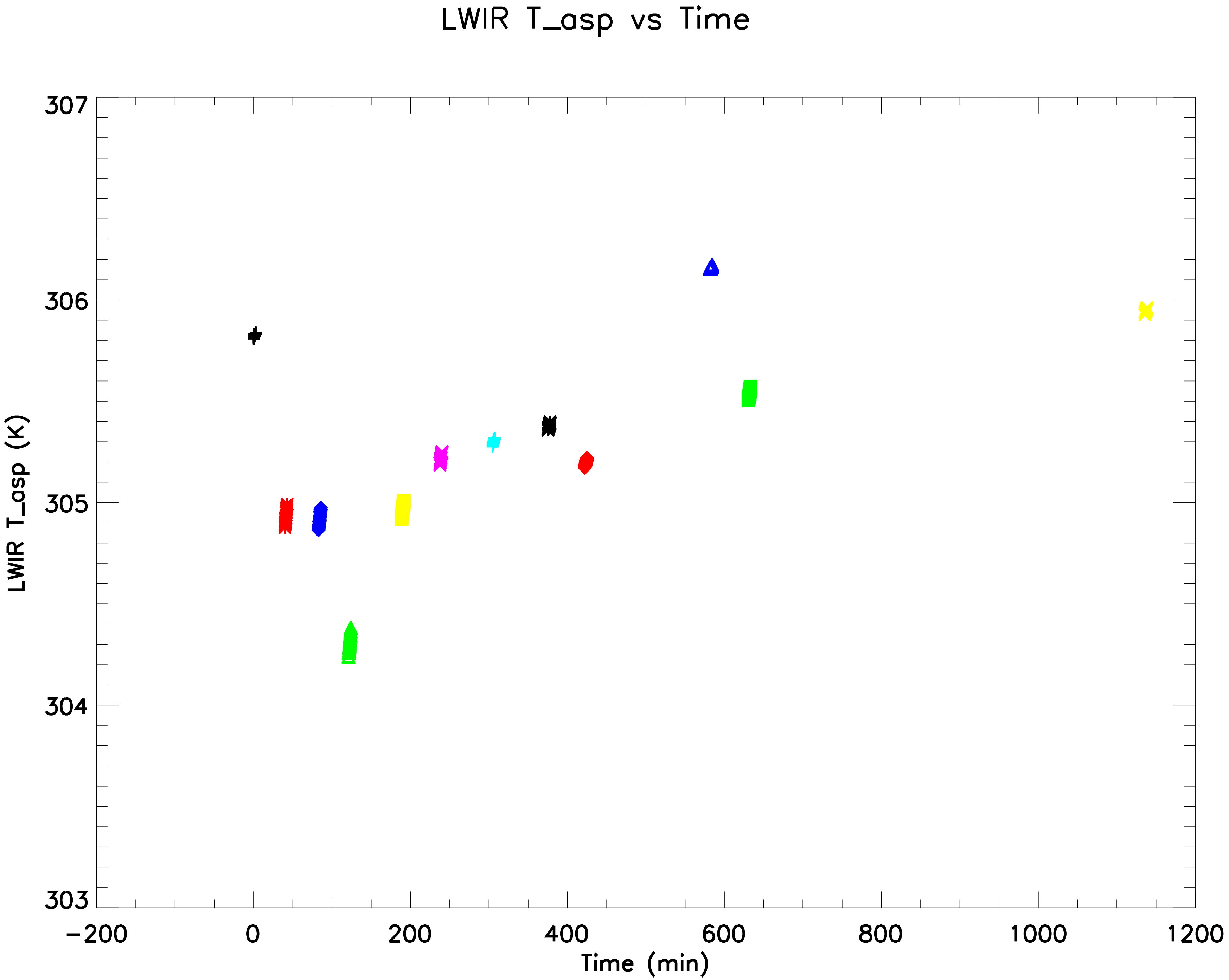
Collect=12

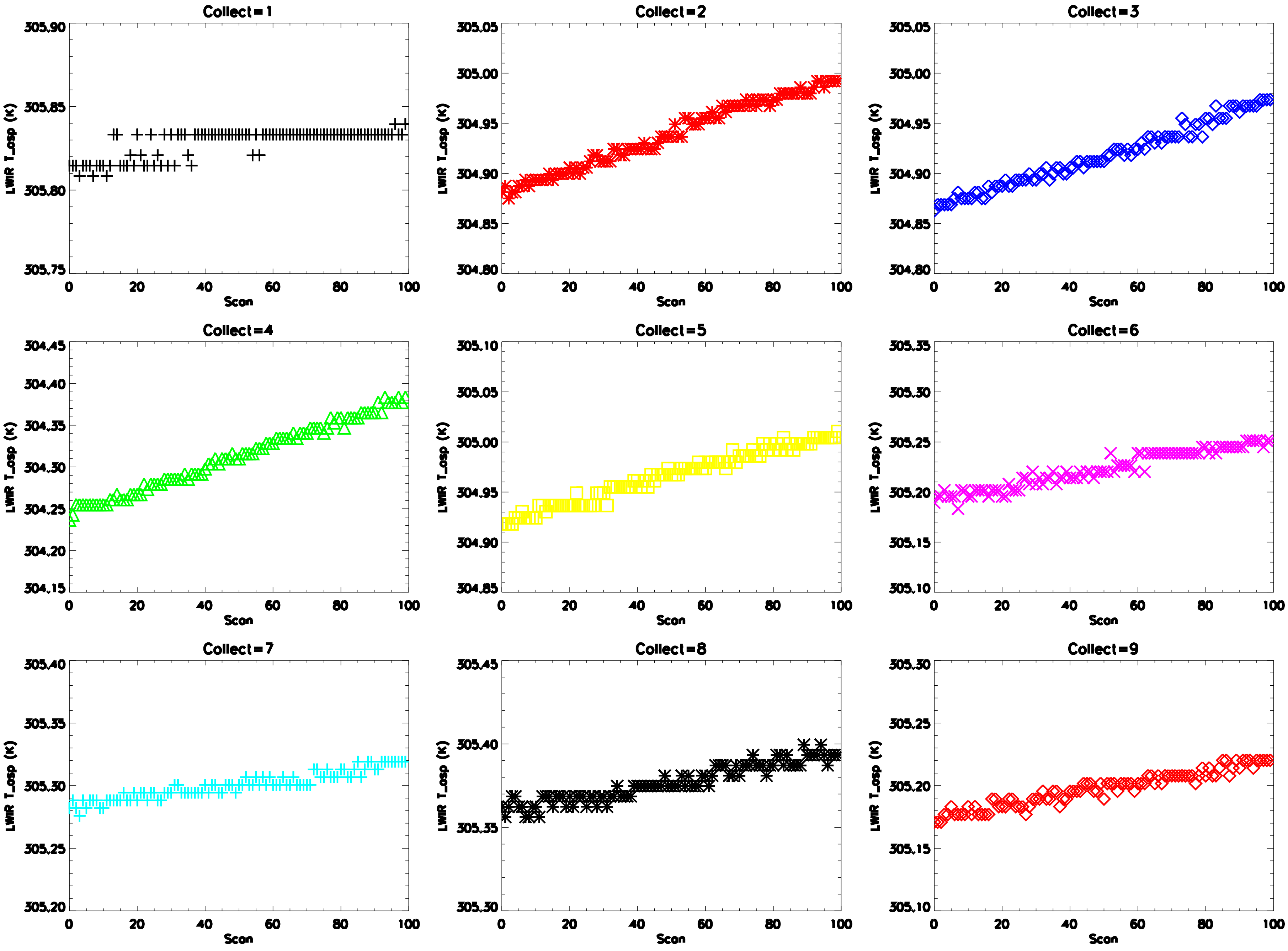

SMWIR T_asp vs Time


Collect=1
306.10
306.05
306.00
305.95
305.90
SMWIR T_osp (K)
0
20
40
60
80
100
Scan
Collect=2
305.30
305.25
305.20
305.15
305.10
305.05
SMWIR T_osp (K)
0
20
40
60
80
100
Scan
Collect=3
305.20
305.15
305.10
305.05
305.00
SMWIR T_osp (K)
0
20
40
60
80
100
Scan
Collect=4
304.70
304.65
304.60
304.55
304.50
304.45
304.40
SMWIR T_osp (K)
0
20
40
60
80
100
Scan
Collect=5
305.25
305.20
305.15
305.10
305.05
305.00
SMWIR T_osp (K)
0
20
40
60
80
100
Scan
Collect=6
305.50
305.45
305.40
305.35
305.30
SMWIR T_osp (K)
0
20
40
60
80
100
Scan
Collect=7
305.60
305.55
305.50
305.45
305.40
SMWIR T_osp (K)
0
20
40
60
80
100
Scan
Collect=8
305.65
305.60
305.55
305.50
305.45
SMWIR T_osp (K)
0
20
40
60
80
100
Scan
Collect=9
305.50
305.45
305.40
305.35
305.30
SMWIR T_osp (K)
0
20
40
60
80
100
Scan

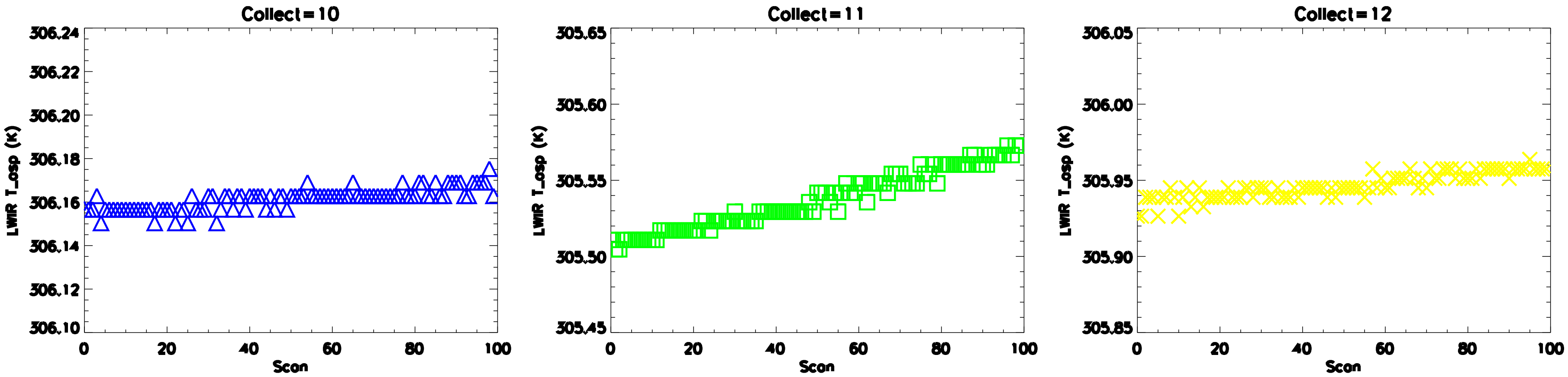
SMWIR T_asp vs Scan

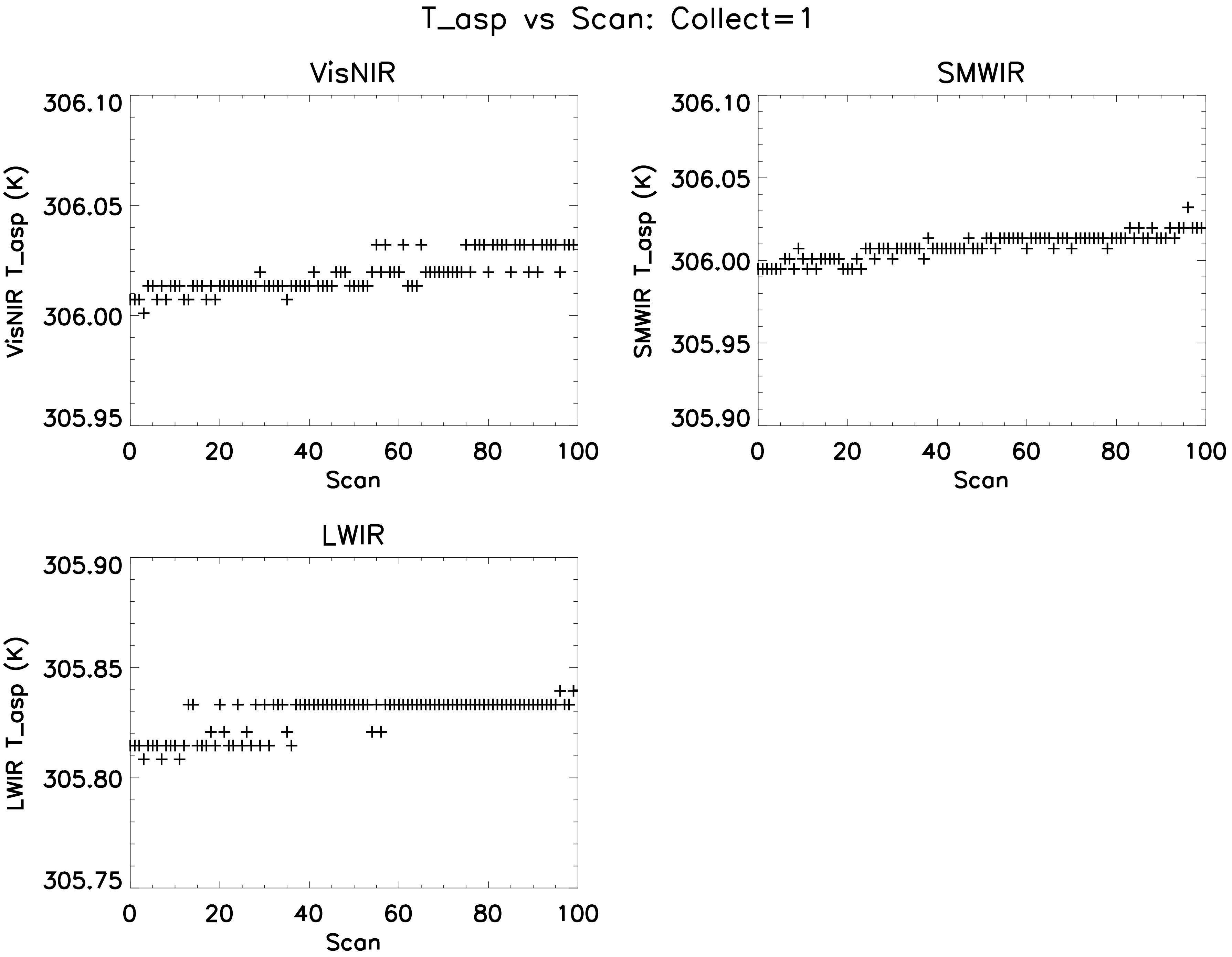


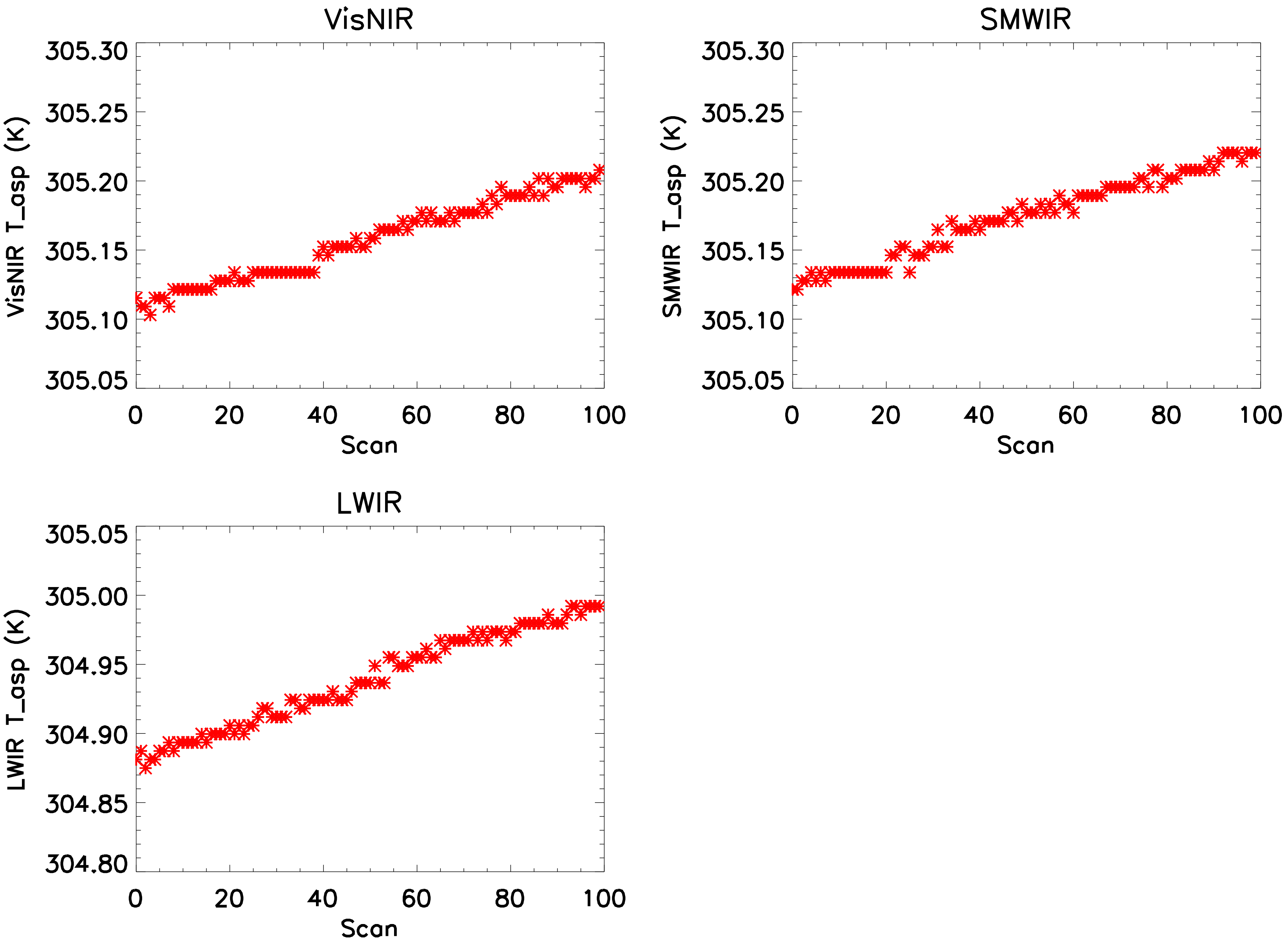

LWIR T_asp vs Time
LWIR T_asp (K)
Time (min)
303
304
305
306
307
−200
0
200
400
600
800
1000
1200


Collect=1
305.90
305.85
305.80
305.75
LWIR T_osp (K)
0
20
40
60
80
100
Scan
Collect=2
305.05
305.00
304.95
304.90
304.85
304.80
LWIR T_osp (K)
Scan
Collect=3
305.05
305.00
304.95
304.90
304.85
304.80
LWIR T_osp (K)
Scan
Collect=4
304.45
304.40
304.35
304.30
304.25
304.20
304.15
LWIR T_osp (K)
Scan
Collect=5
305.10
305.05
305.00
304.95
304.90
304.85
LWIR T_osp (K)
Scan
Collect=6
305.35
305.30
305.25
305.20
305.15
305.10
LWIR T_osp (K)
Scan
Collect=7
305.40
305.35
305.30
305.25
305.20
LWIR T_osp (K)
Scan
Collect=8
305.45
305.40
305.35
305.30
LWIR T_osp (K)
Scan
Collect=9
305.30
305.25
305.20
305.15
305.10
LWIR T_osp (K)
Scan

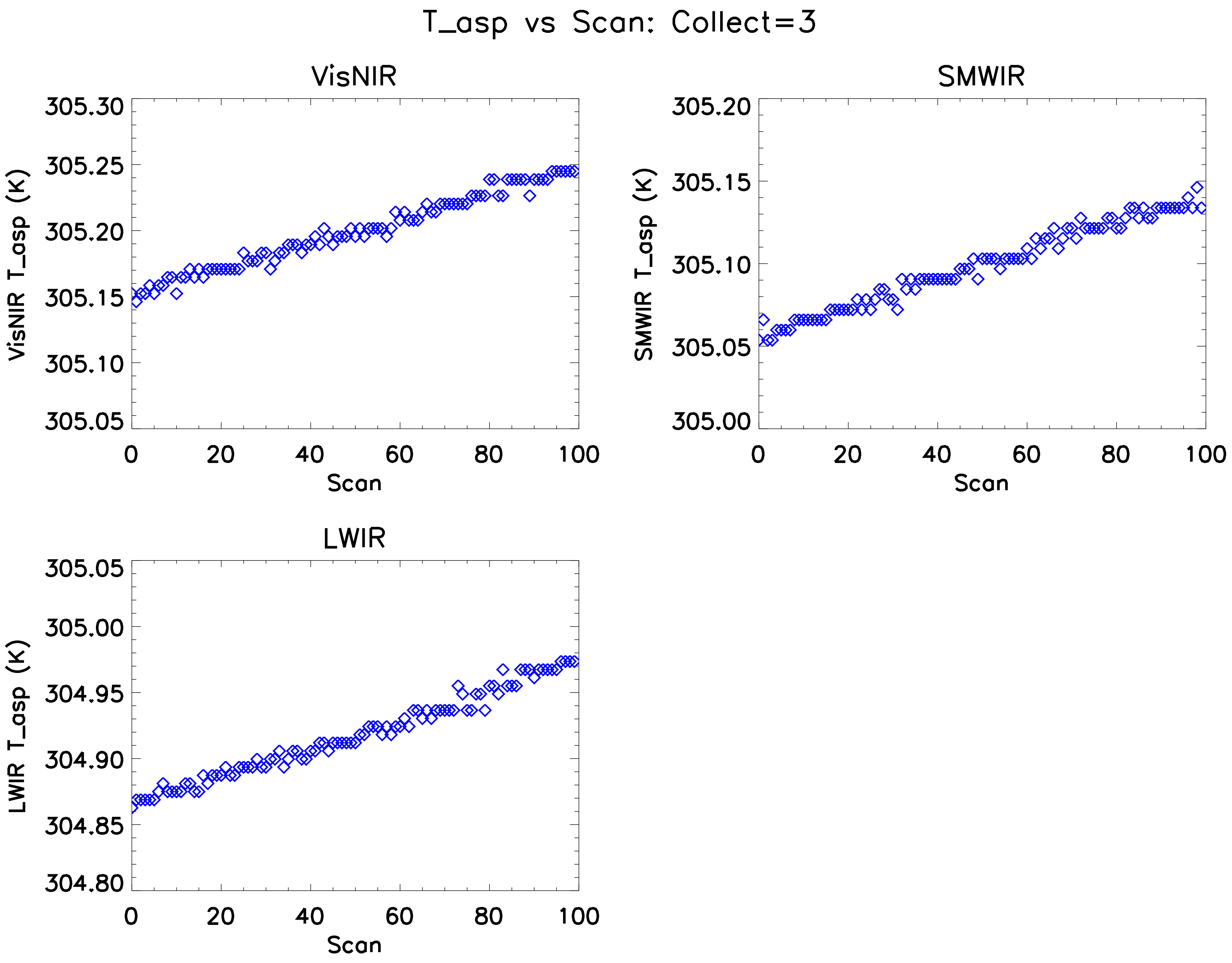
LWIR T_asp vs Scan

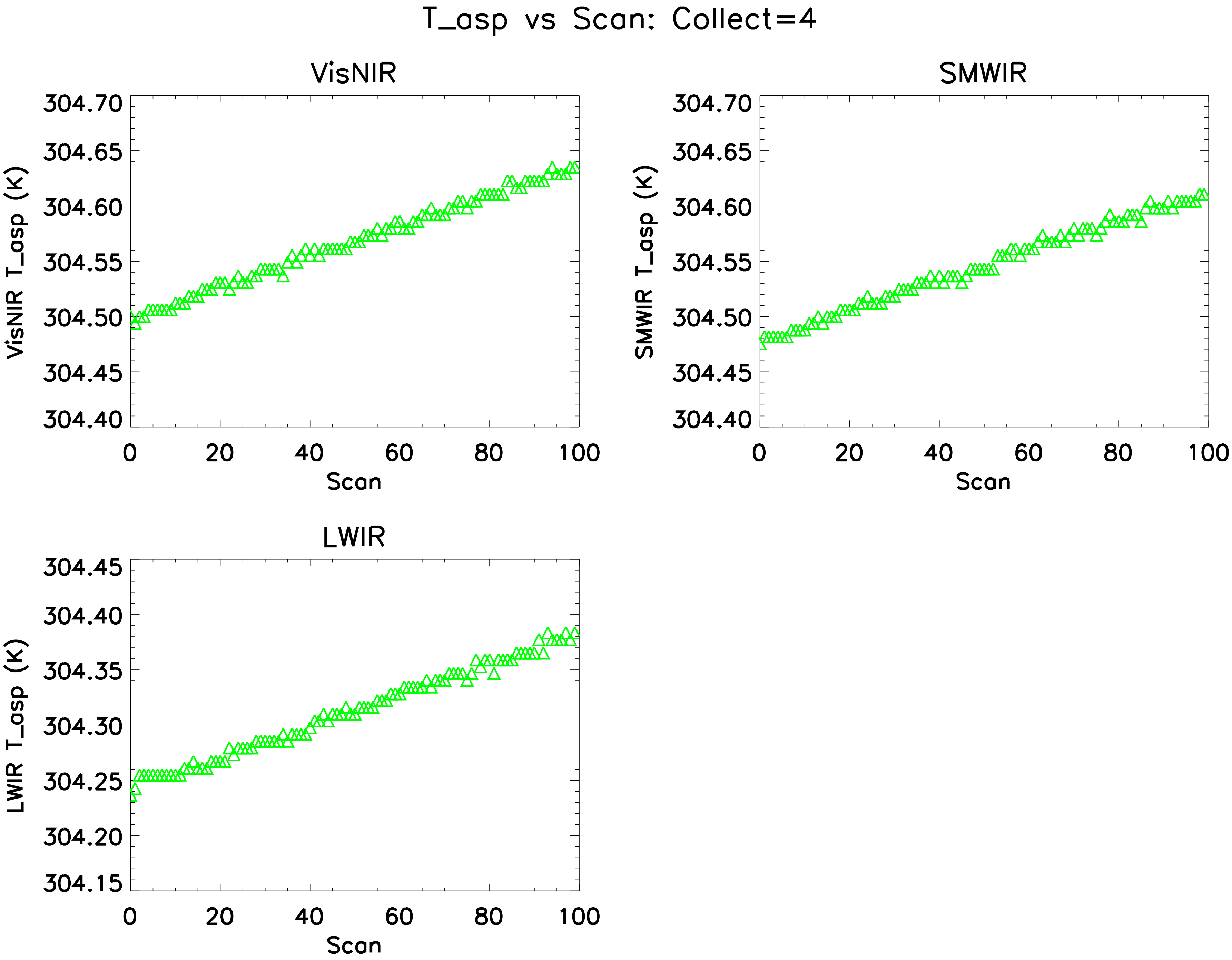


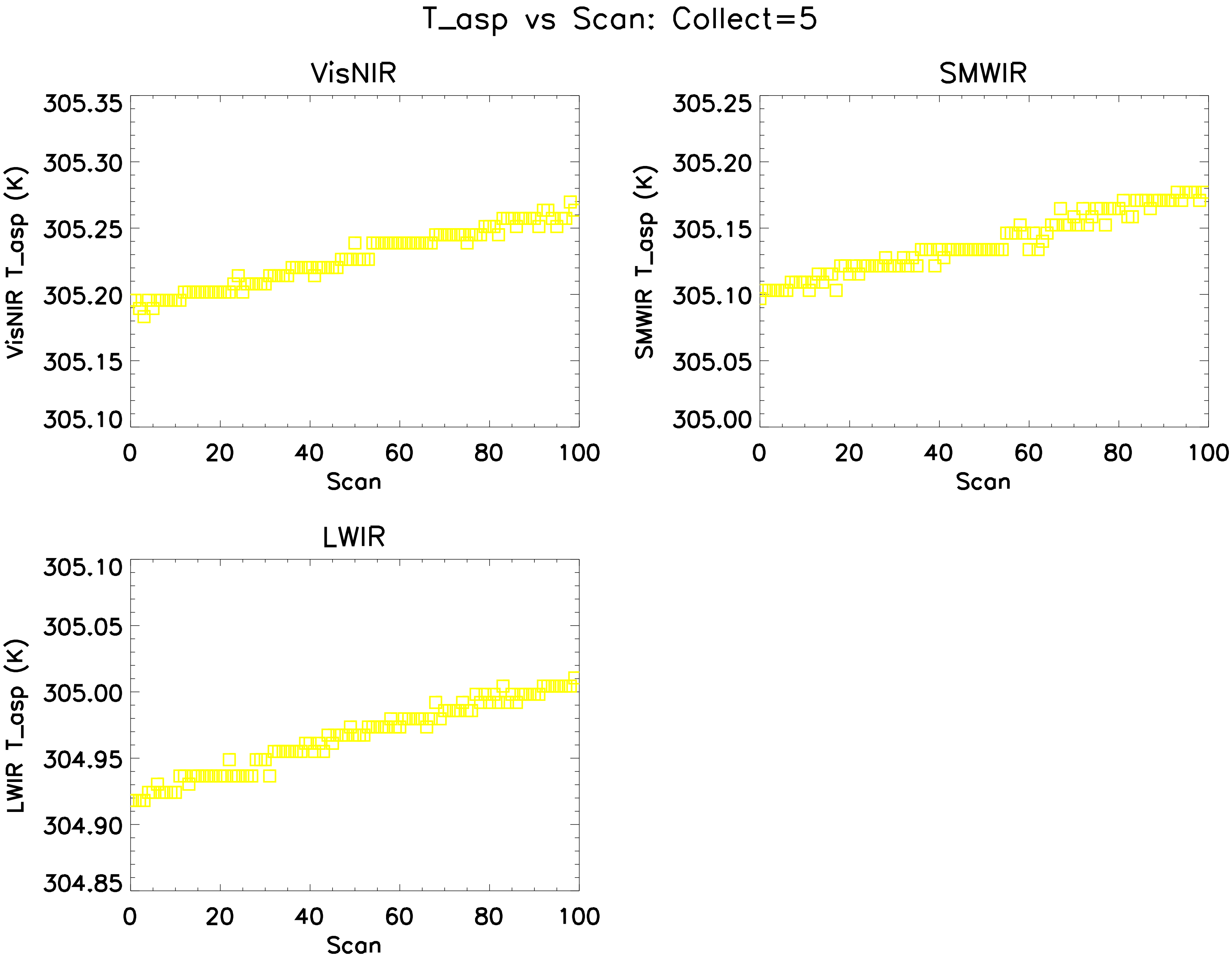

T_asp vs Scan: Collect=1
VisNIR
VisNIR T_asp (K)
306.10
306.05
306.00
305.95
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
306.10
306.05
306.00
305.95
305.90
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
305.90
305.85
305.80
305.75
0
20
40
60
80
100
Scan



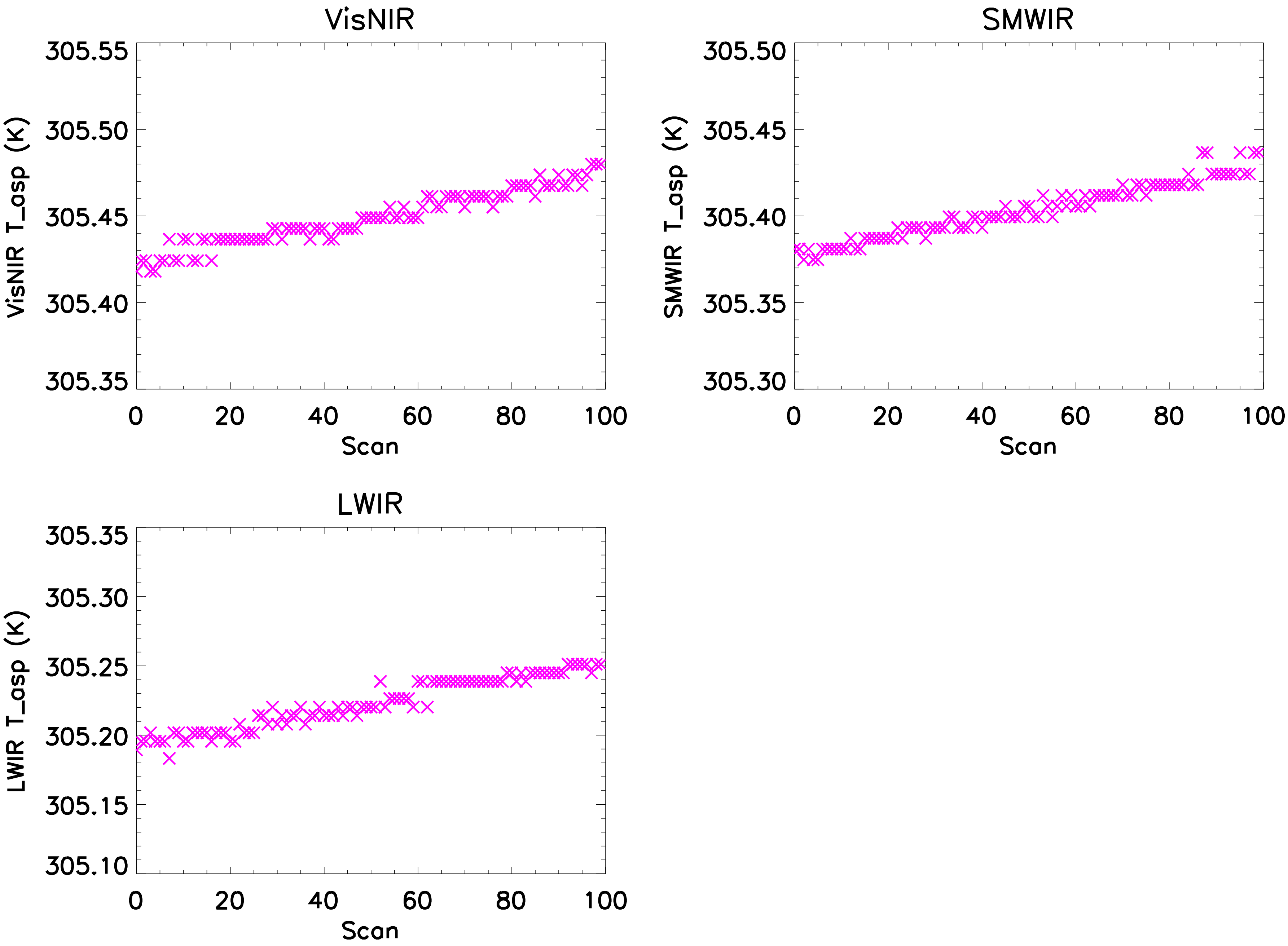
T_asp vs Scan: Collect=2

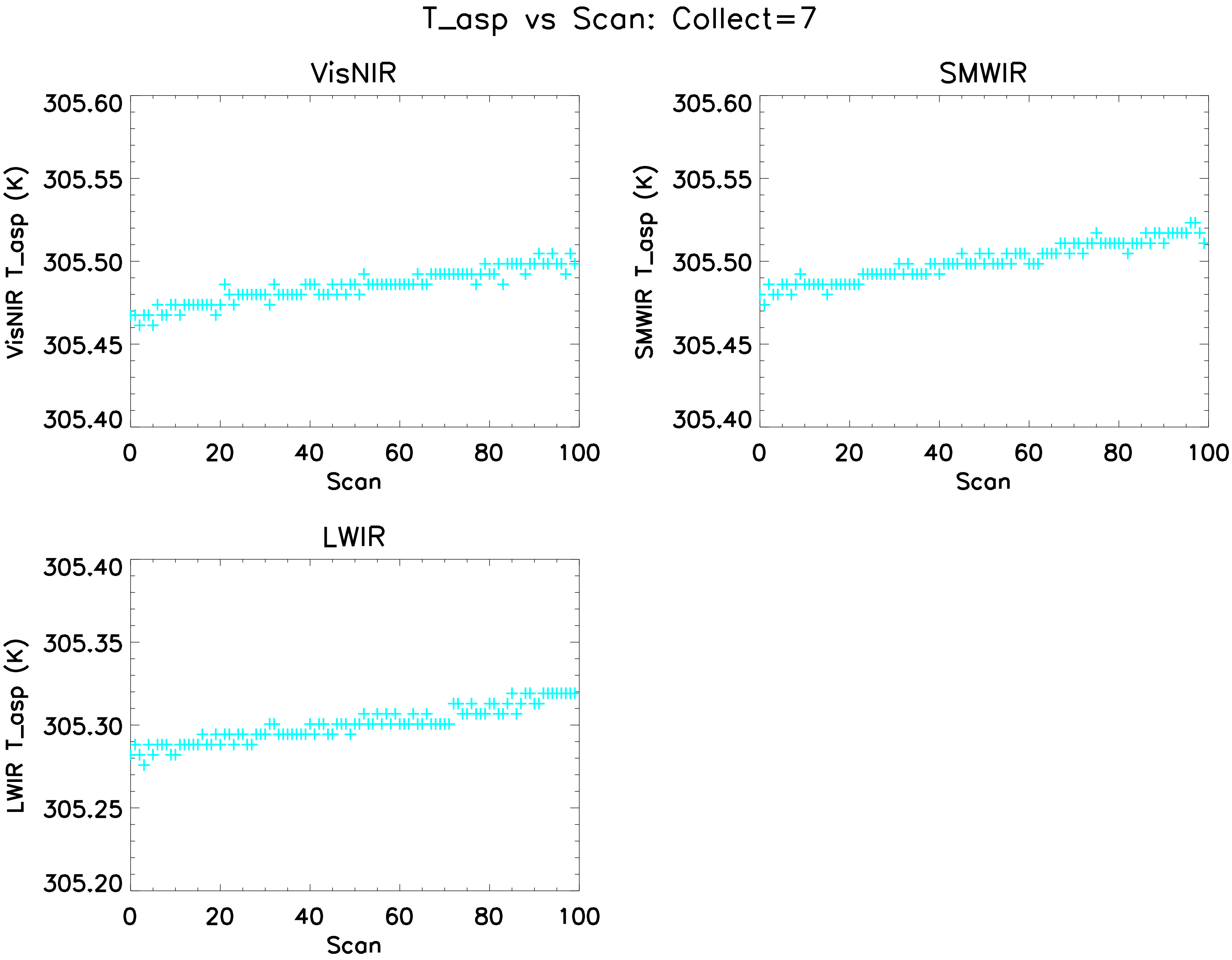

T_asp vs Scan: Collect=3
VisNIR
VisNIR T_asp (K)
305.30
305.25
305.20
305.15
305.10
305.05
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
305.20
305.15
305.10
305.05
305.00
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
305.05
305.00
304.95
304.90
304.85
304.80
0
20
40
60
80
100
Scan


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

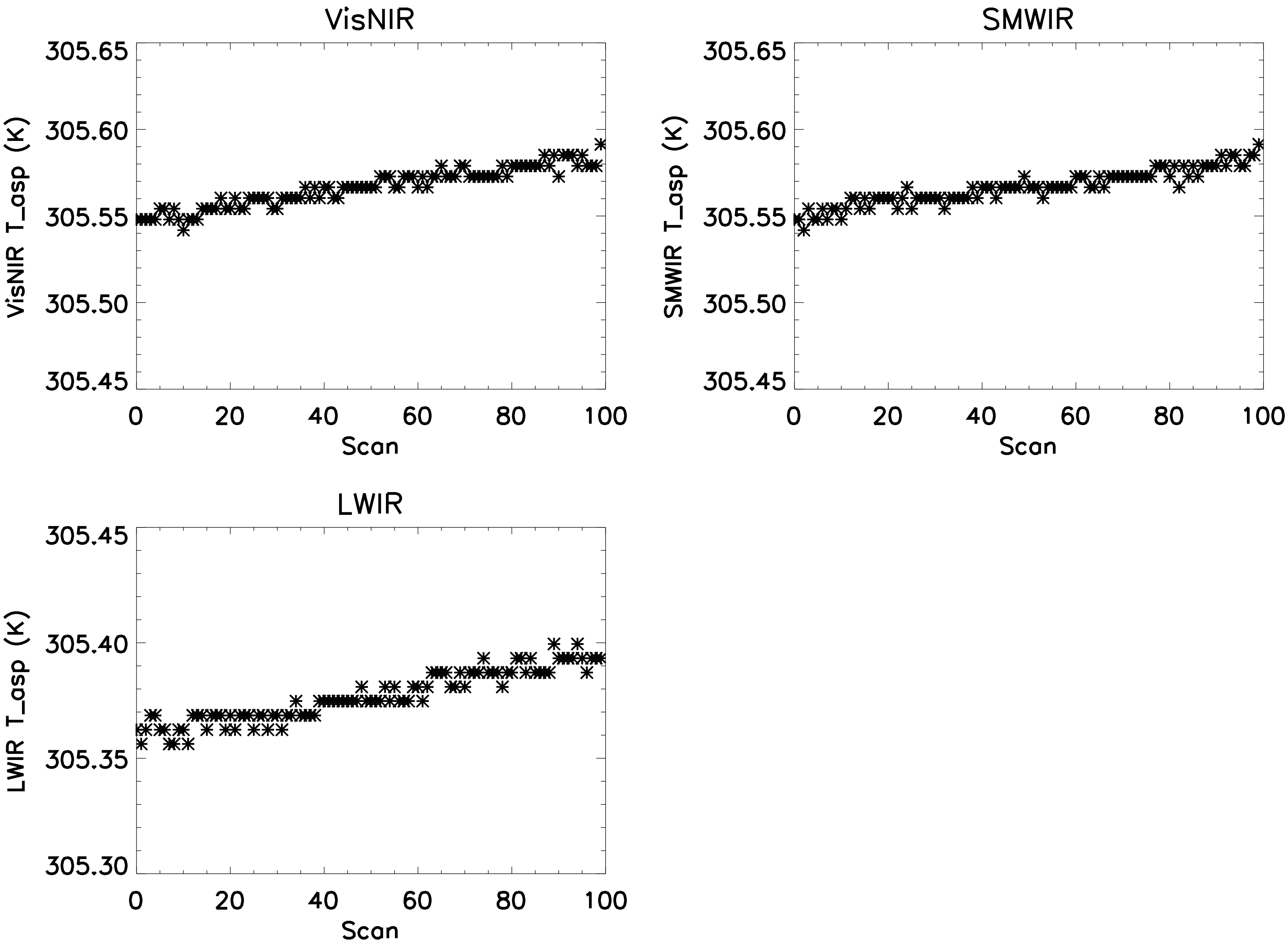

T_asp vs Scan: Collect=5
VisNIR
VisNIR T_asp (K)
305.35
305.30
305.25
305.20
305.15
305.10
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
305.25
305.20
305.15
305.10
305.05
305.00
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
305.10
305.05
305.00
304.95
304.90
304.85
0
20
40
60
80
100
Scan

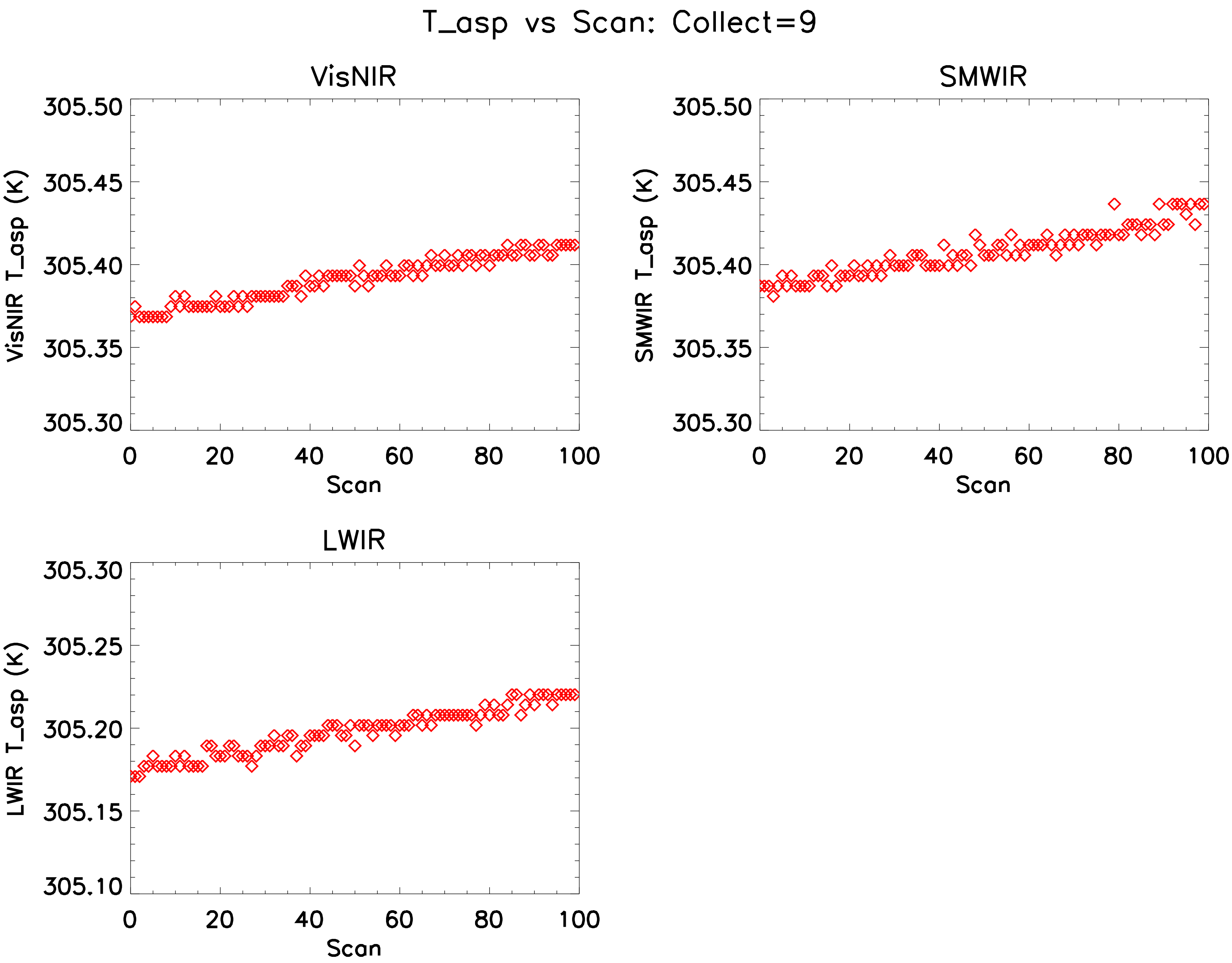
T_asp vs Scan: Collect=6

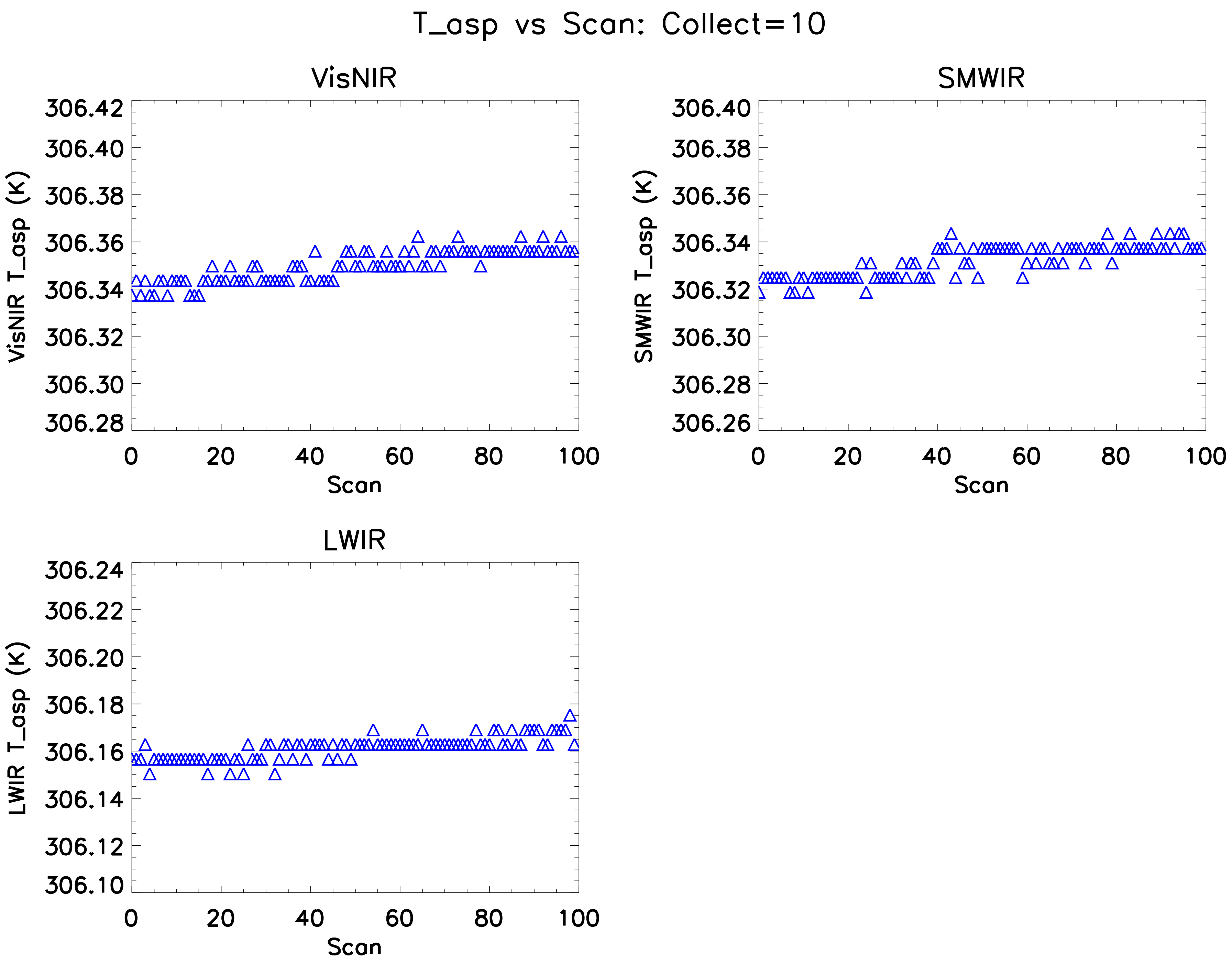



T_asp vs Scan: Collect=7
VisNIR
VisNIR T_asp (K)
305.60
305.55
305.50
305.45
305.40
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
305.60
305.55
305.50
305.45
305.40
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
305.40
305.35
305.30
305.25
305.20
0
20
40
60
80
100
Scan

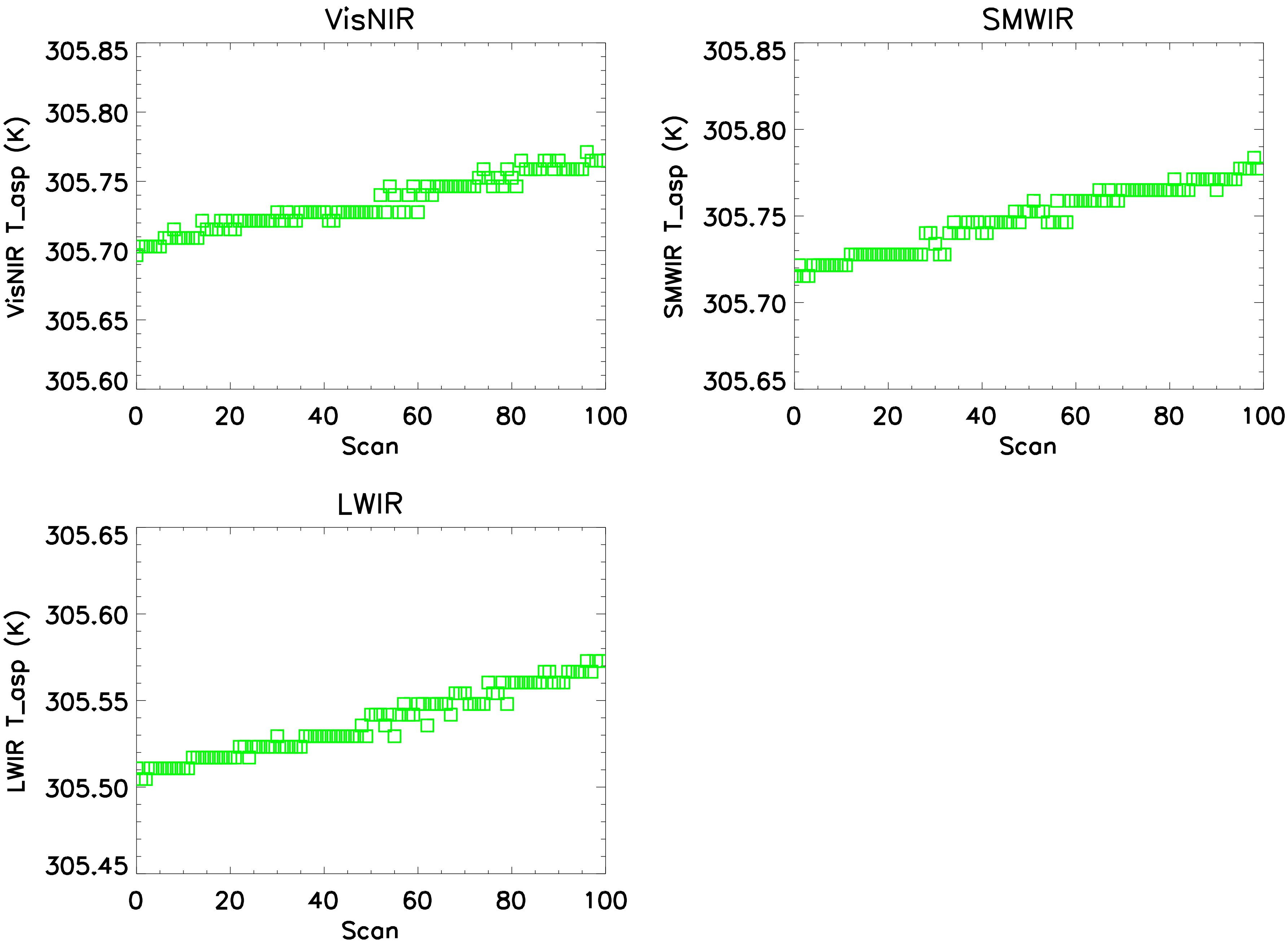
T_asp vs Scan: Collect=8



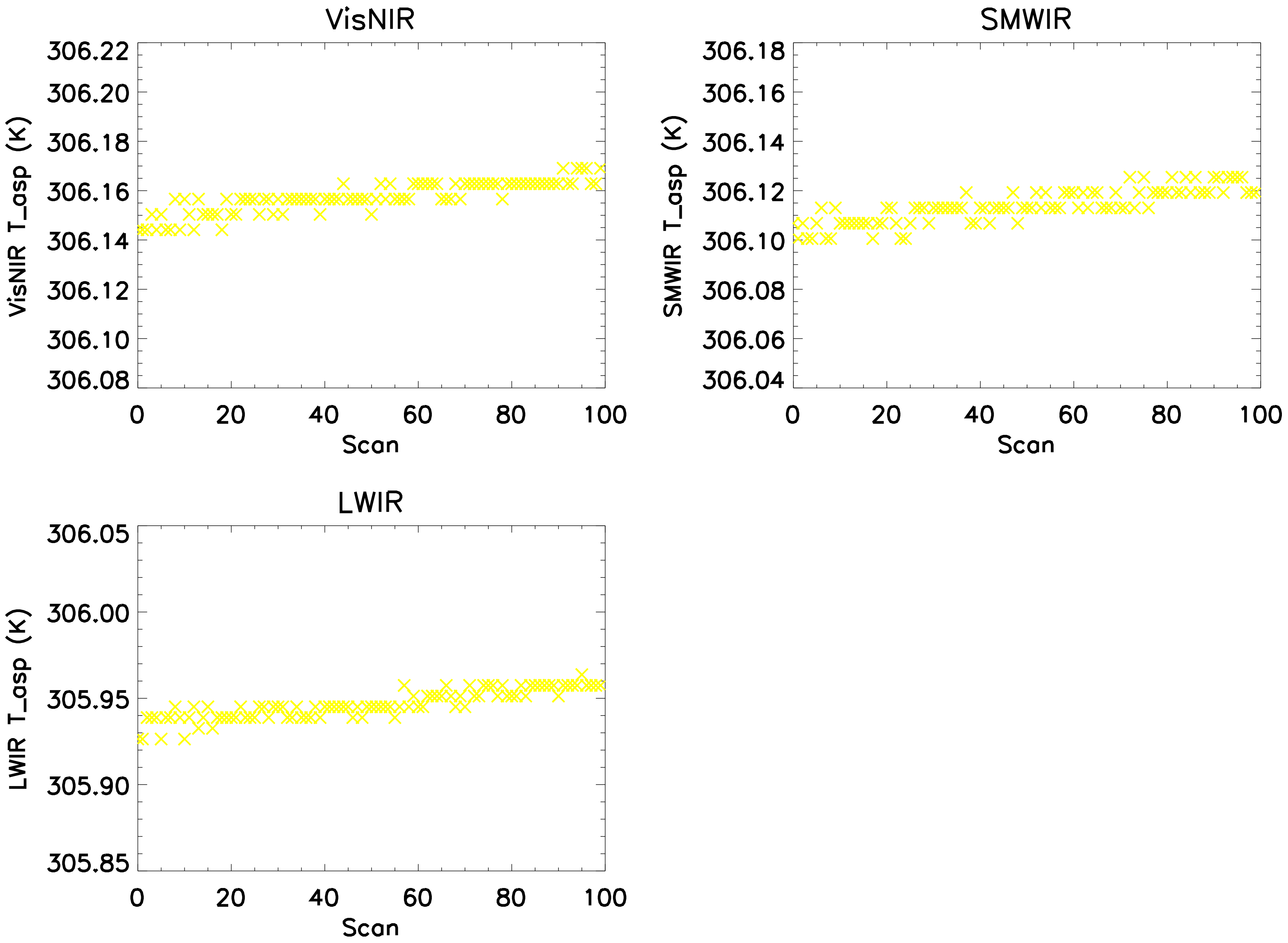

T_asp vs Scan: Collect=9
VisNIR
VisNIR T_asp (K)
305.50
305.45
305.40
305.35
305.30
0
20
40
60
80
100
Scan
SMWIR
SMWIR T_asp (K)
305.50
305.45
305.40
305.35
305.30
0
20
40
60
80
100
Scan
LWIR
LWIR T_asp (K)
305.30
305.25
305.20
305.15
305.10
0
20
40
60
80
100
Scan



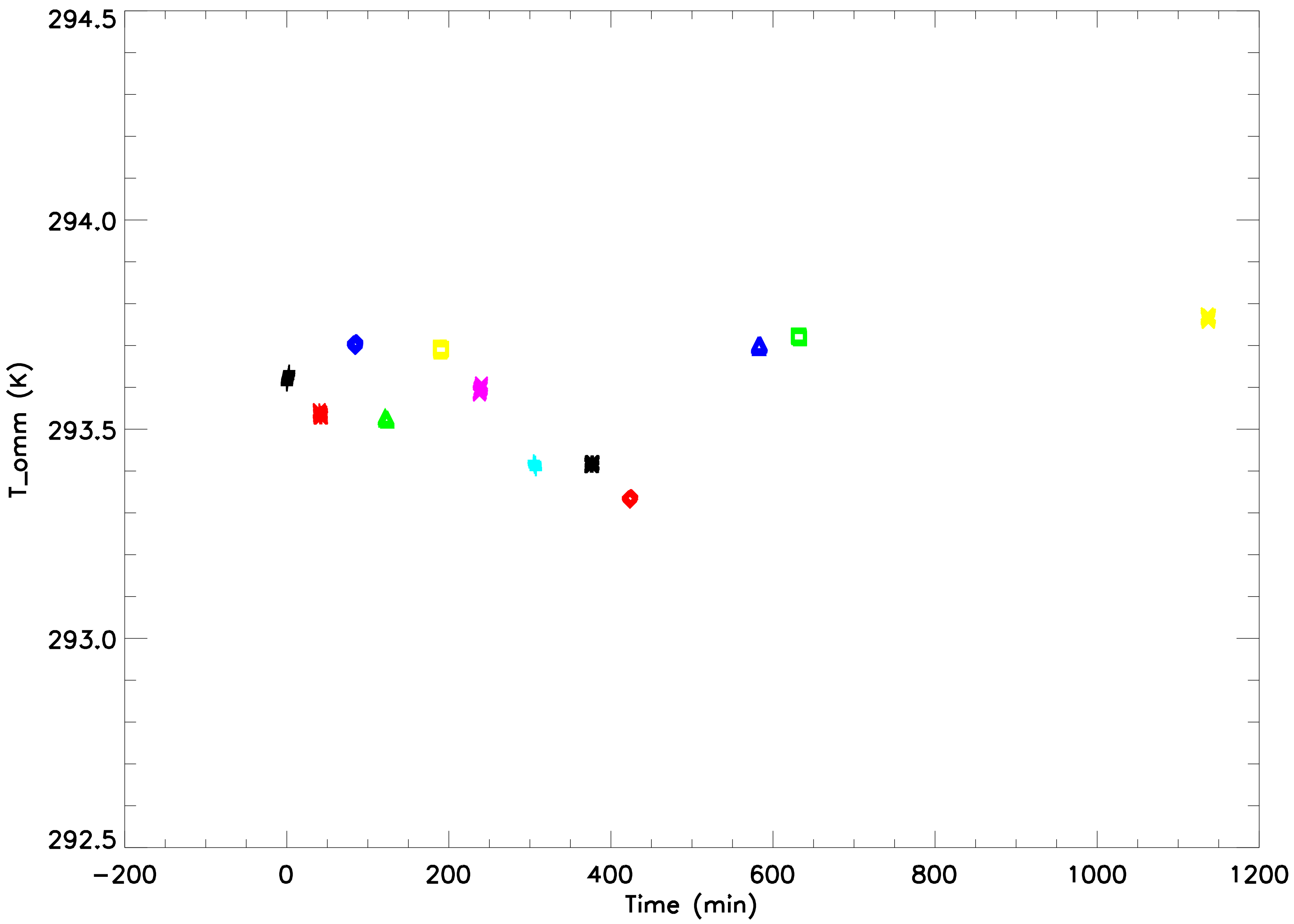
T_asp vs Scan: Collect=10


T_asp vs Scan: Collect=11

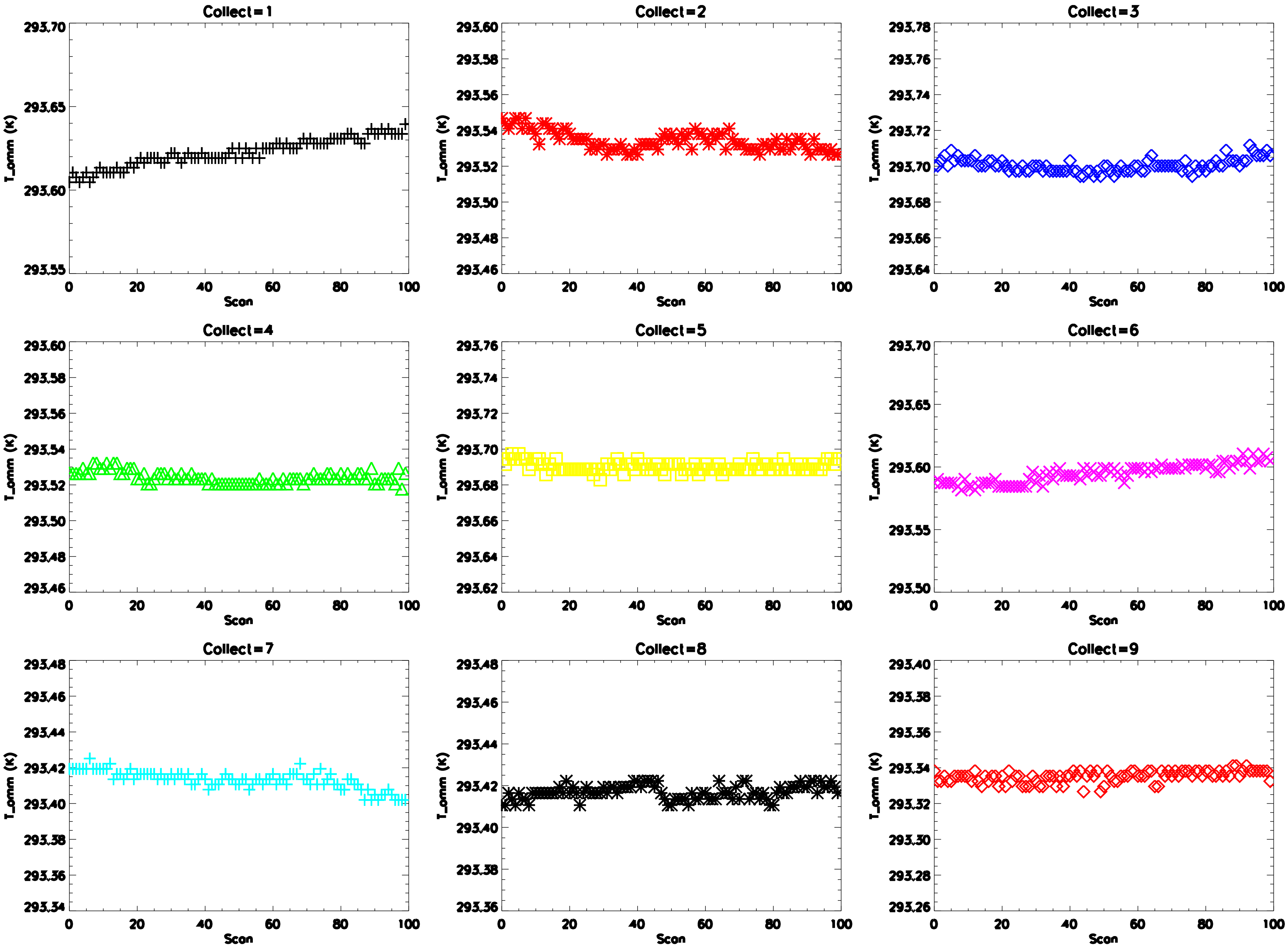
T_asp vs Scan: Collect=12

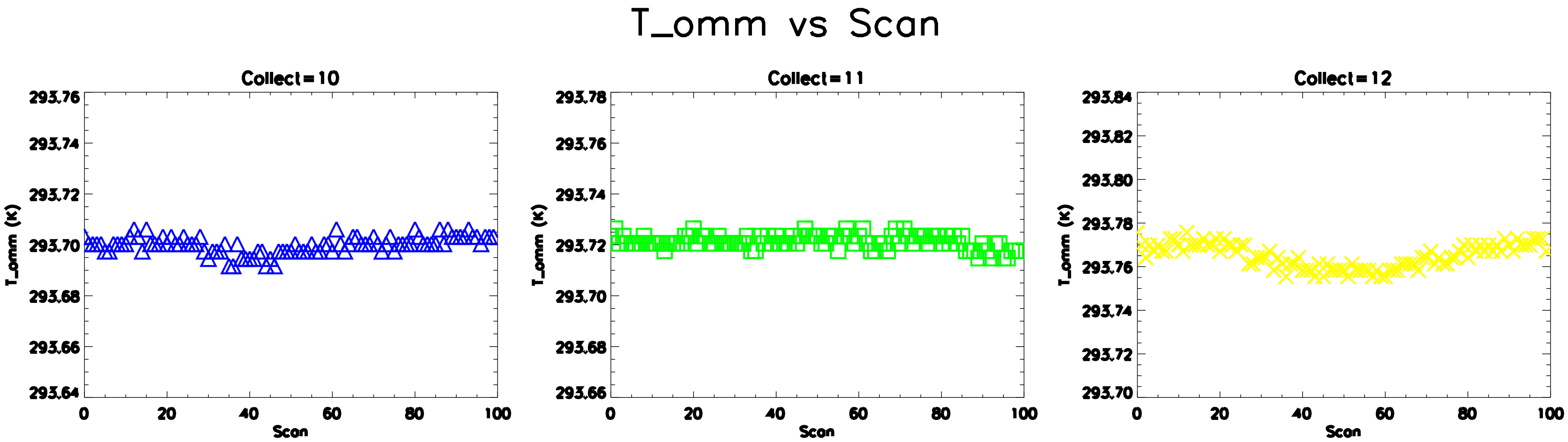


T_omm vs Time


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)
Collect=2
293.60
293.58
293.56
293.54
293.52
293.50
293.48
293.46
T_omm (K)
Collect=3
293.78
293.76
293.74
293.72
293.70
293.68
293.66
293.64
T_omm (K)
Collect=4
293.60
293.58
293.56
293.54
293.52
293.50
293.48
293.46
T_omm (K)
Collect=5
293.76
293.74
293.72
293.70
293.68
293.66
293.64
293.62
T_omm (K)
Collect=6
293.70
293.65
293.60
293.55
293.50
T_omm (K)
Collect=7
293.48
293.46
293.44
293.42
293.40
293.38
293.36
293.34
T_omm (K)
Collect=8
293.48
293.46
293.44
293.42
293.40
293.38
293.36
T_omm (K)
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
Collect=11
Collect=12
T_omm (K)
293.76
293.74
293.72
293.70
293.68
293.66
293.64
293.78
293.84
293.82
293.80
Scan
0
20
40
60
80
100