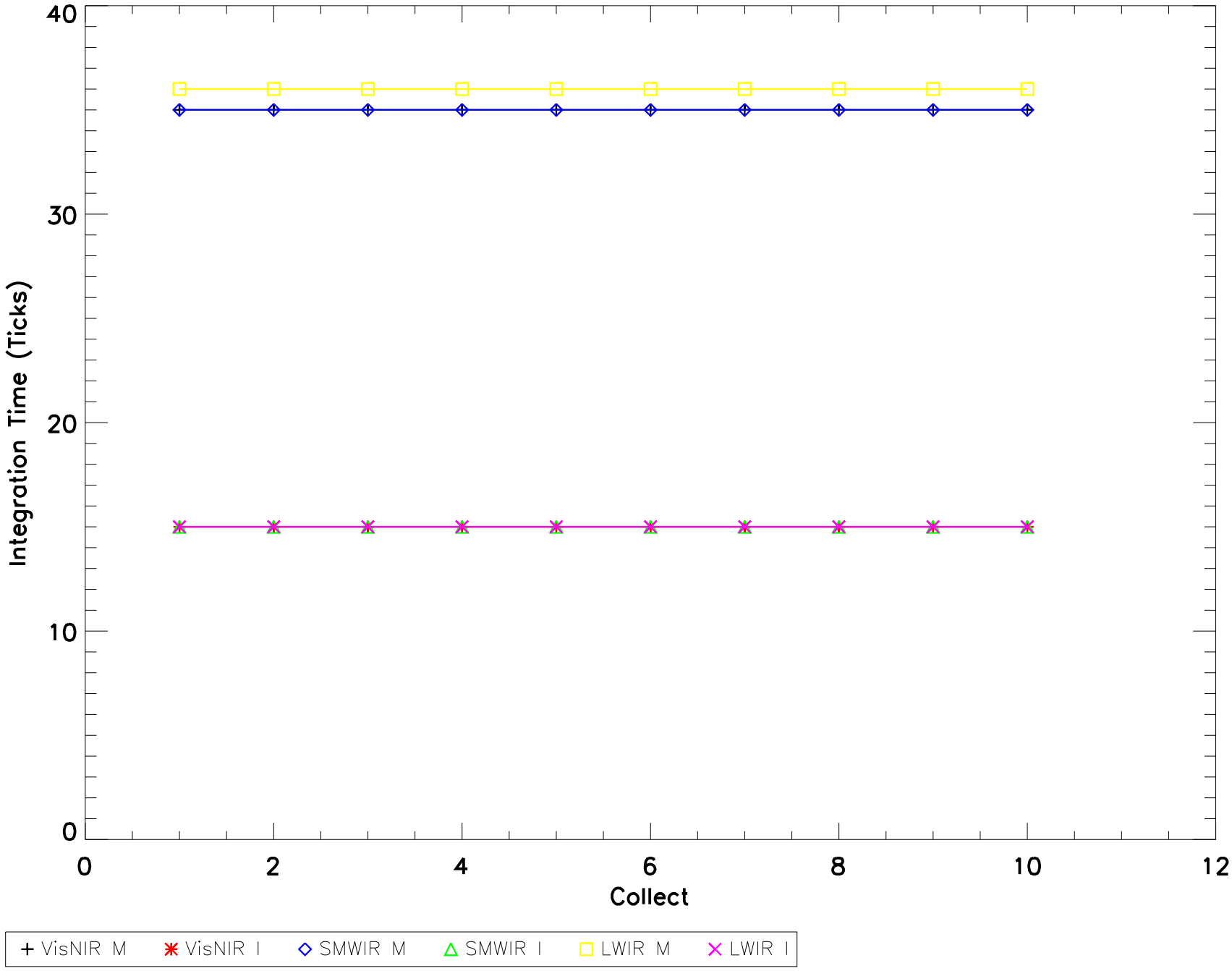
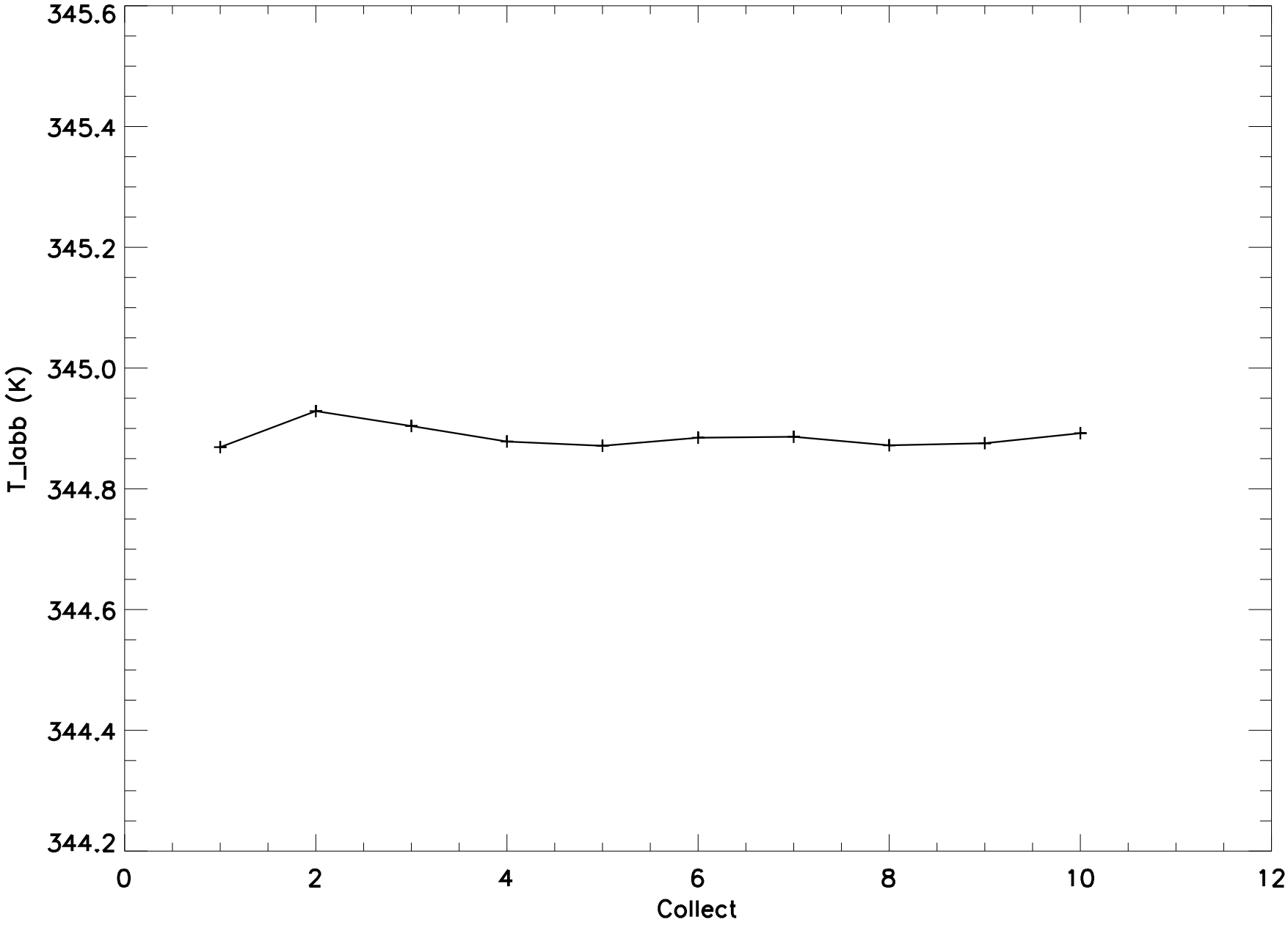
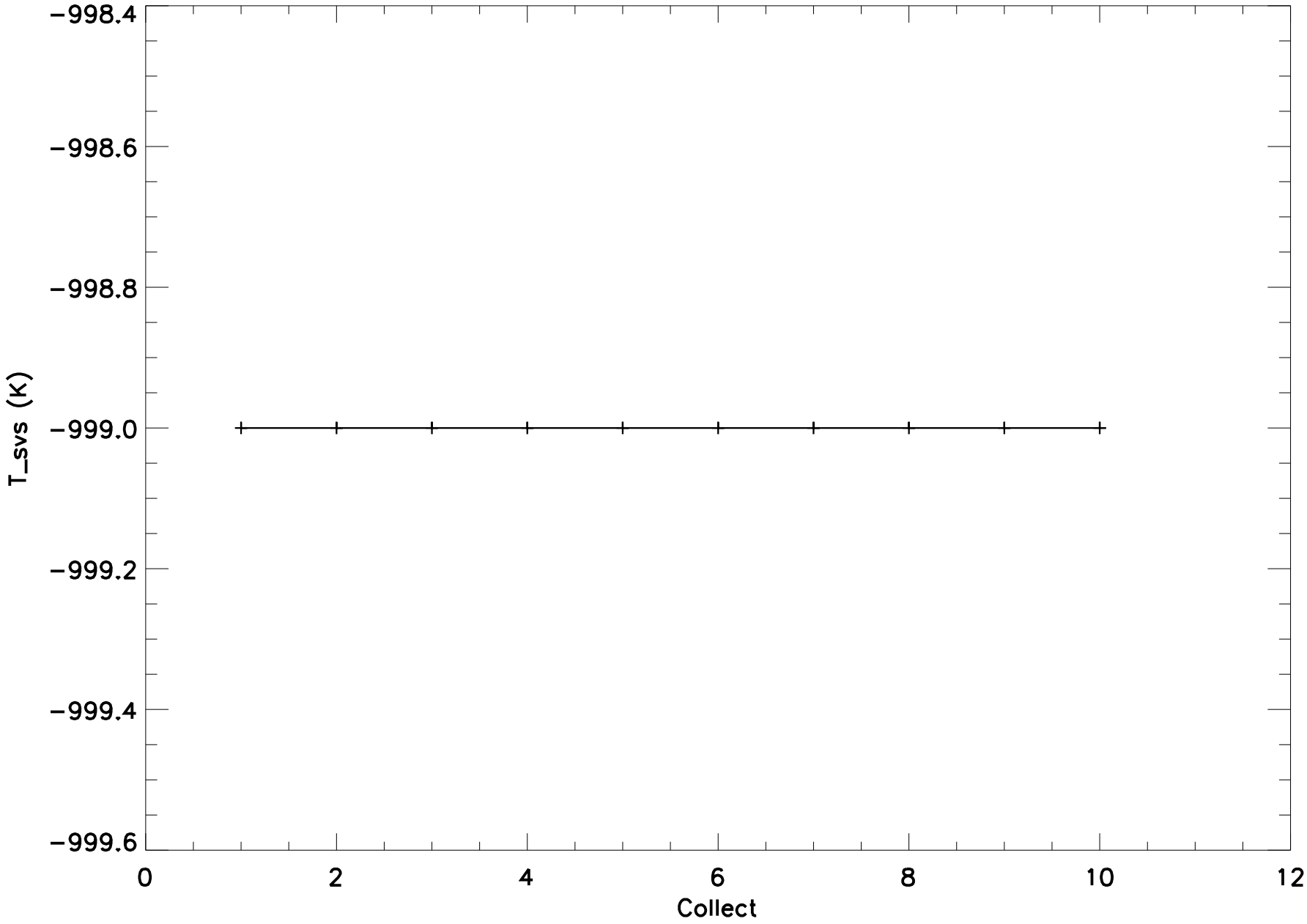
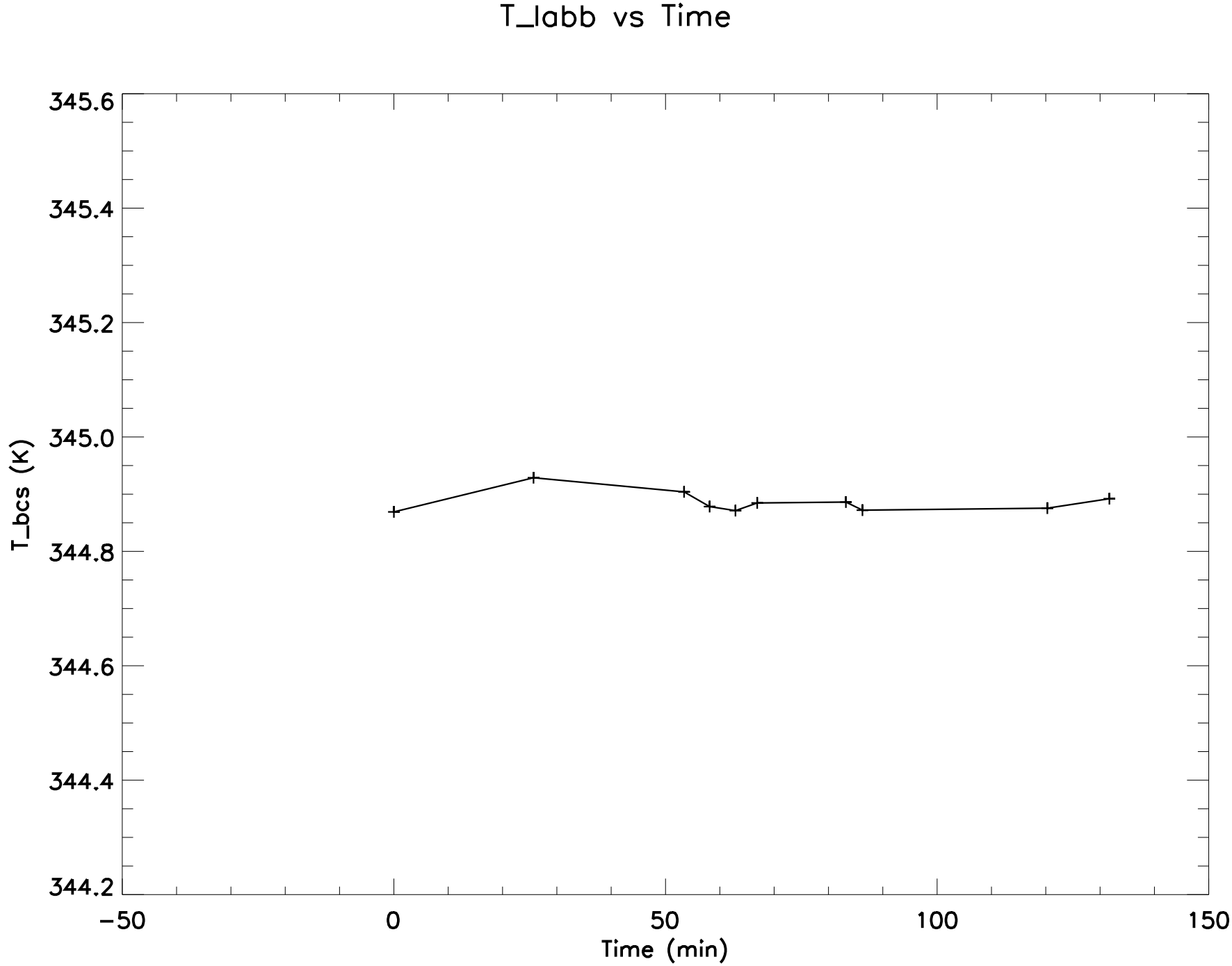
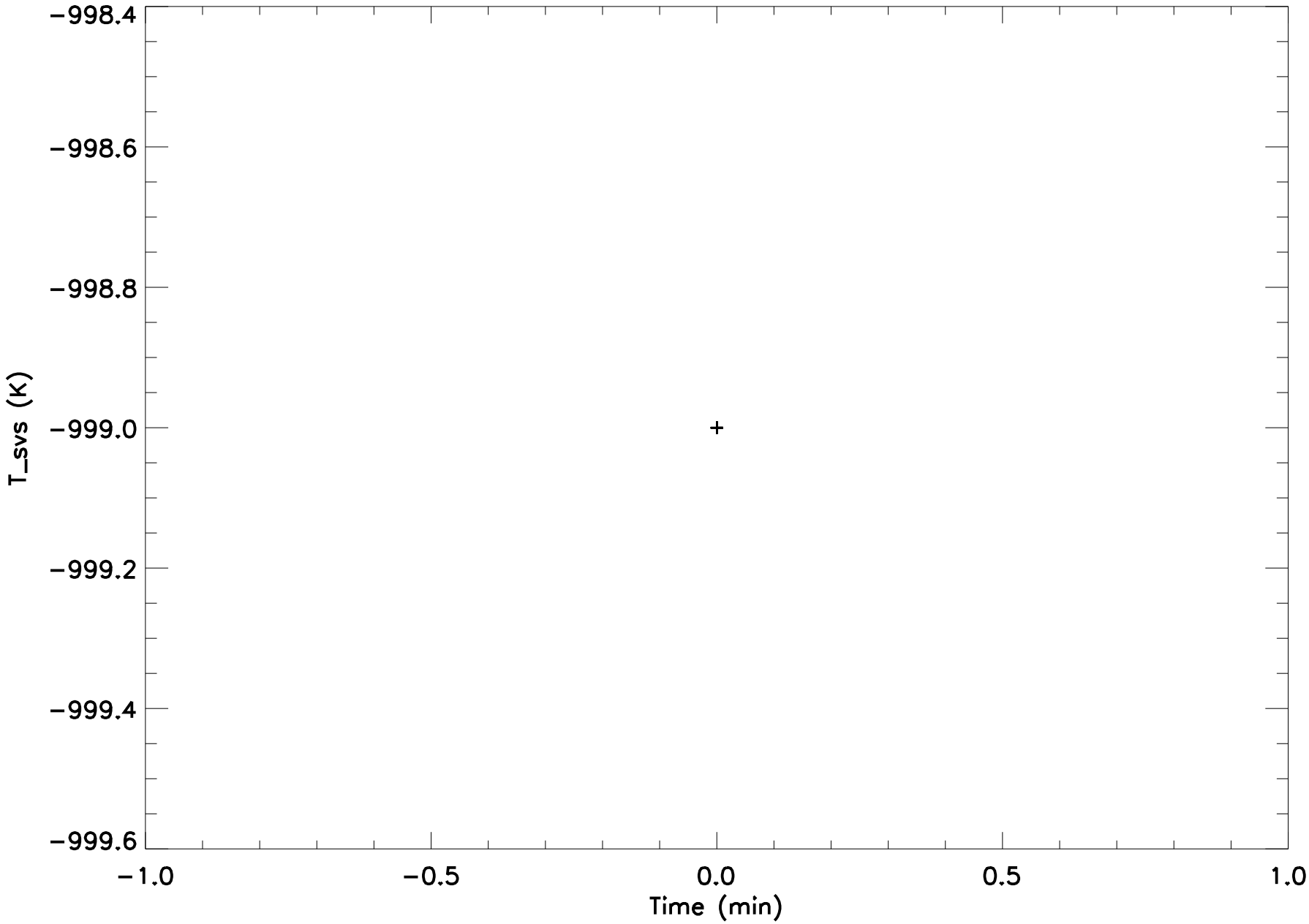
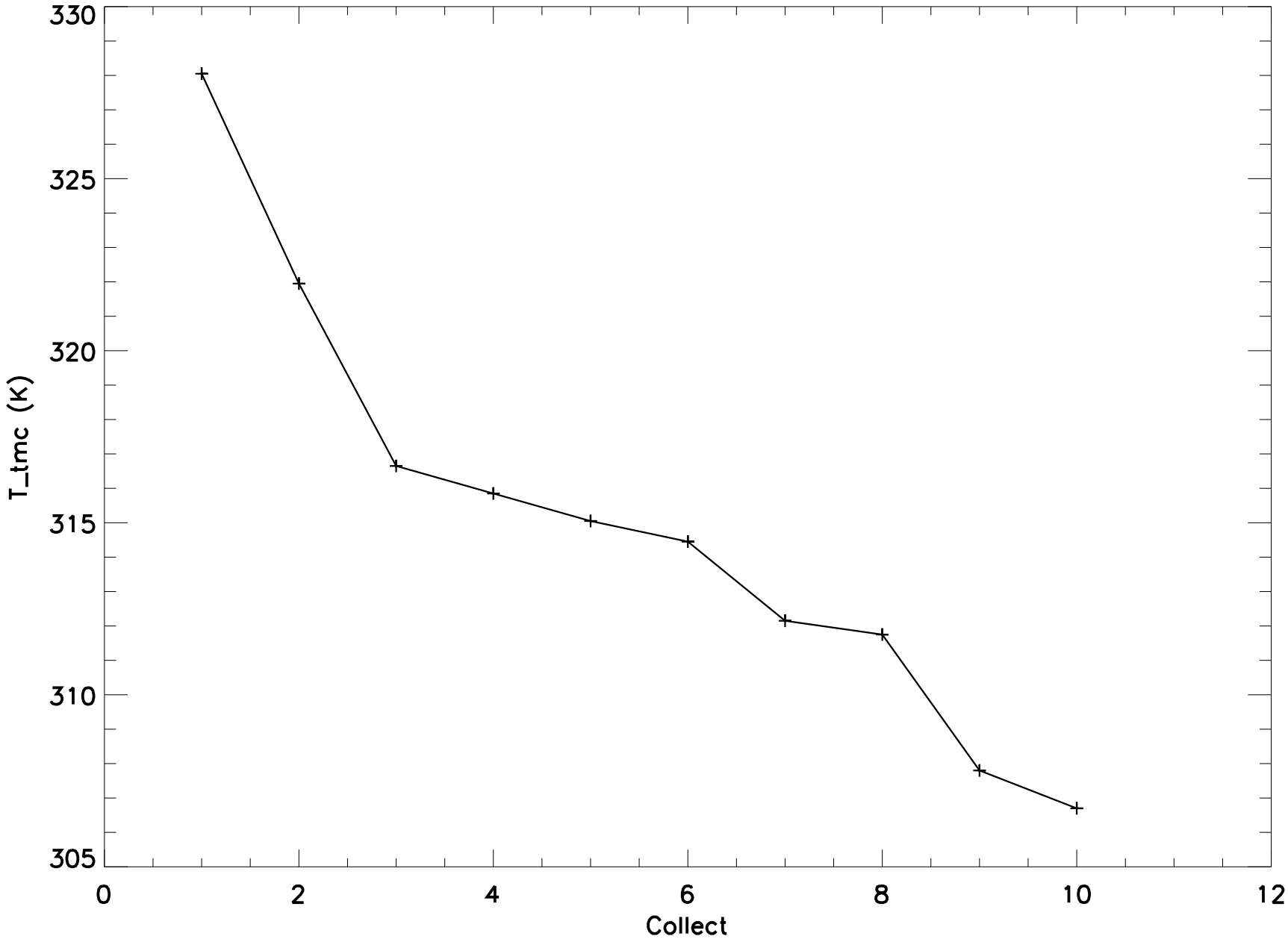

Integration Time vs Collect
Integration Time (Ticks)
40
30
20
10
0
0
2
4
6
8
10
12
Collect
VisNIR M
VisNIR I
SMWIR M
SMWIR I
LWIR M
LWIR I

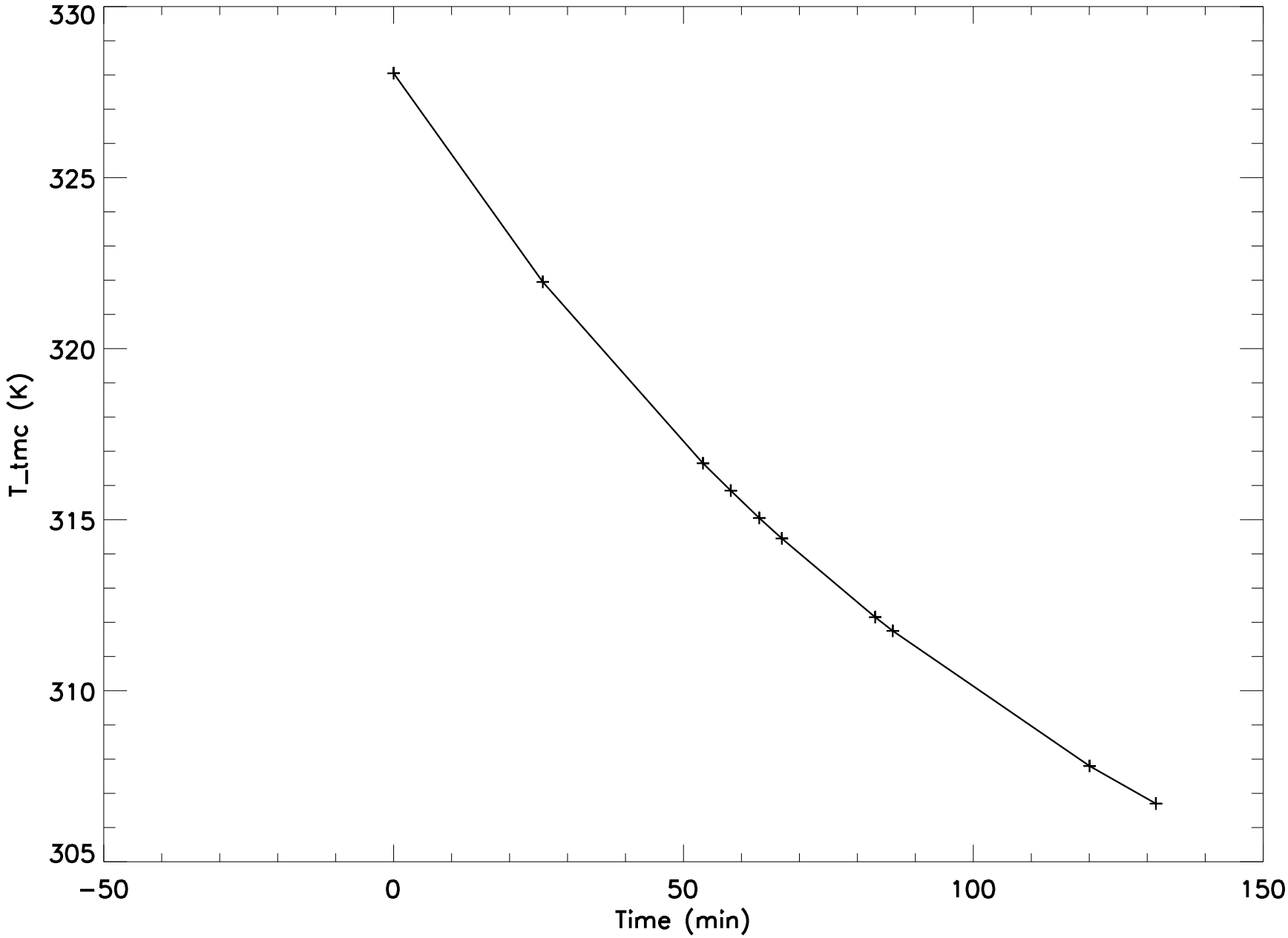

T_labb vs Collect
345.6
345.4
345.2
345.0
344.8
344.6
344.4
344.2
T_labb (K)
0
2
4
6
8
10
12
Collect

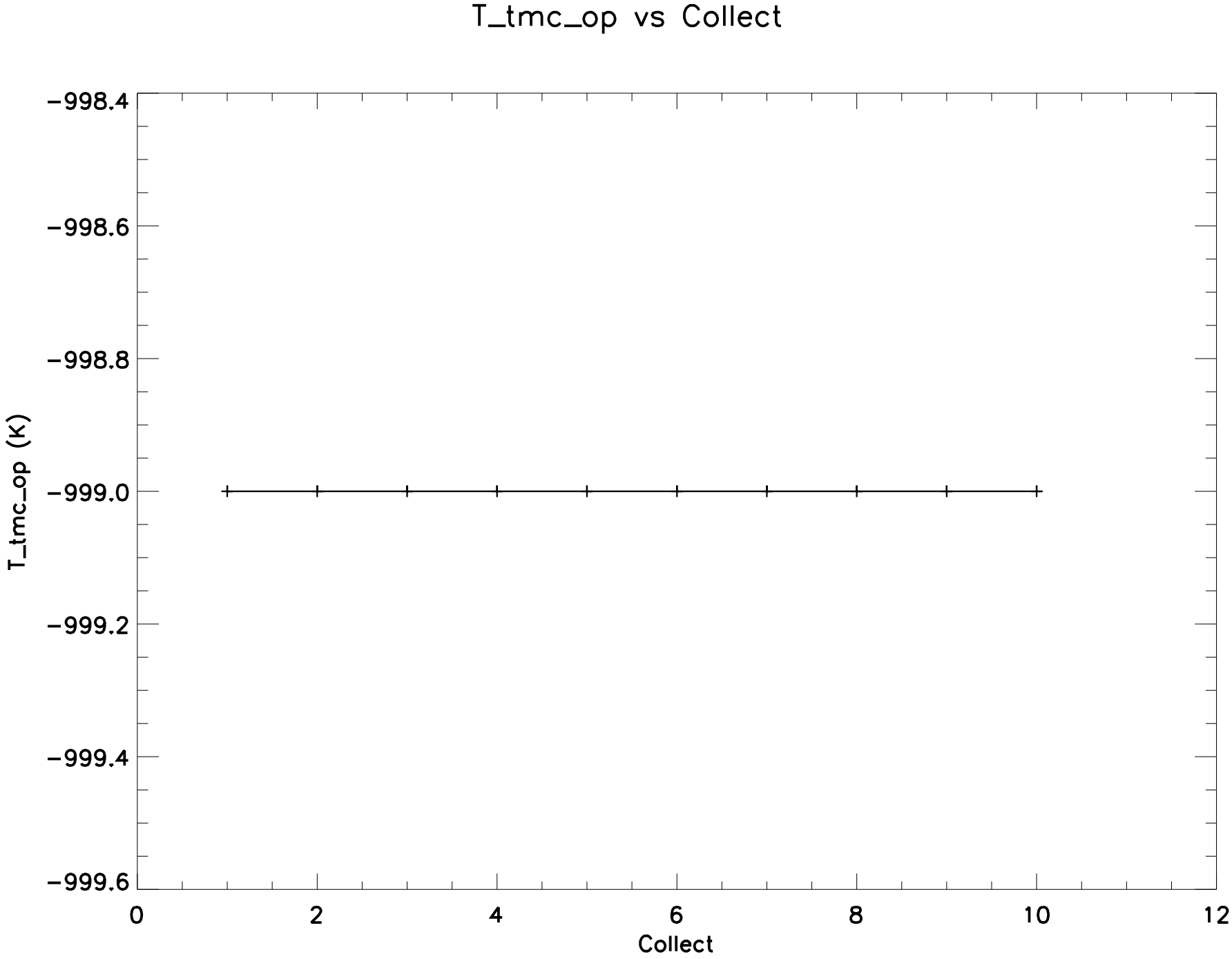

T_svs vs Collect
−998.4
−998.6
−998.8
−999.0
−999.2
−999.4
−999.6
T_svs (K)
0
2
4
6
8
10
12
Collect

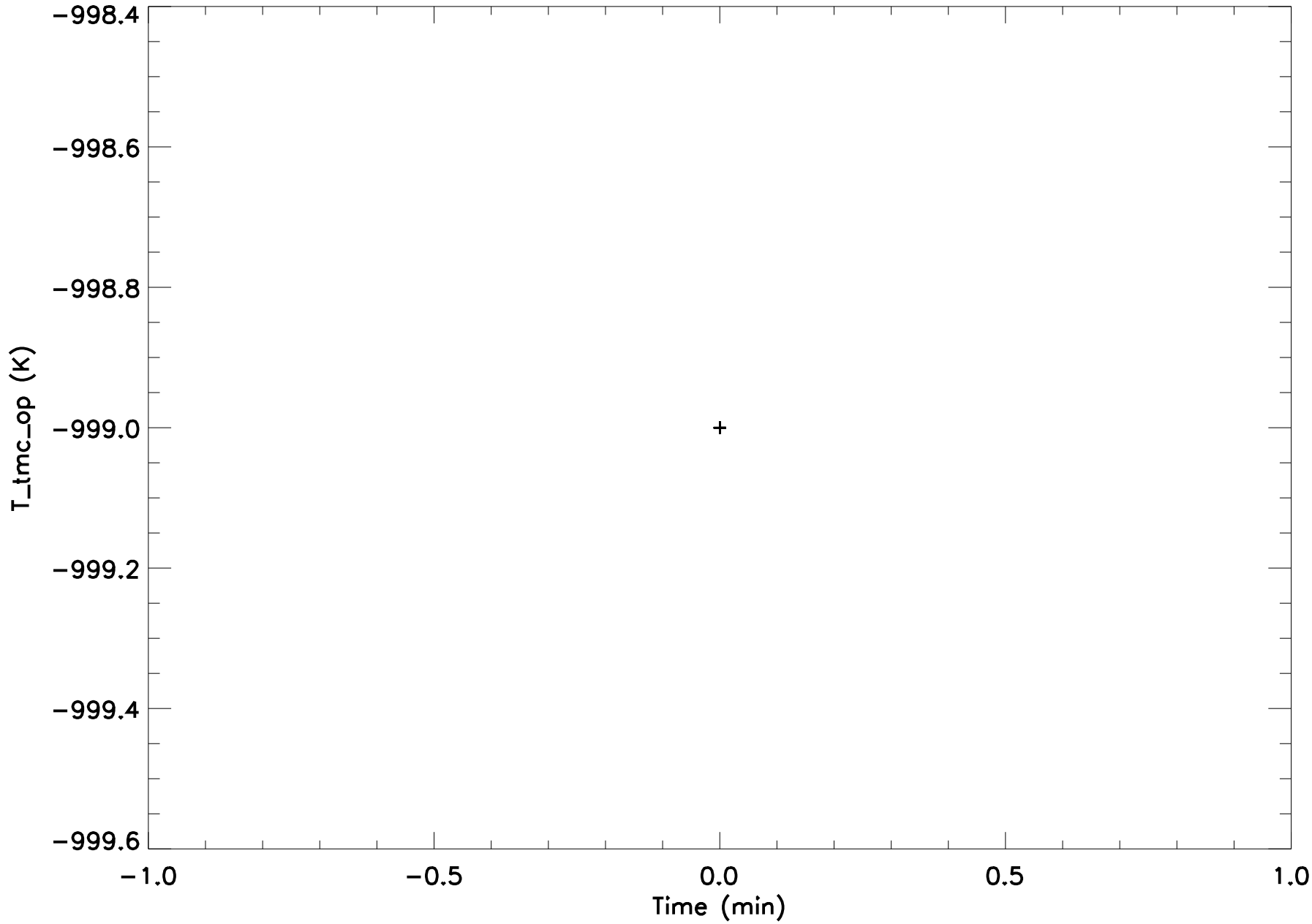

T_labb vs Time
345.6
345.4
345.2
345.0
344.8
344.6
344.4
344.2
T_bcs (K)
−50
0
50
100
150
Time (min)

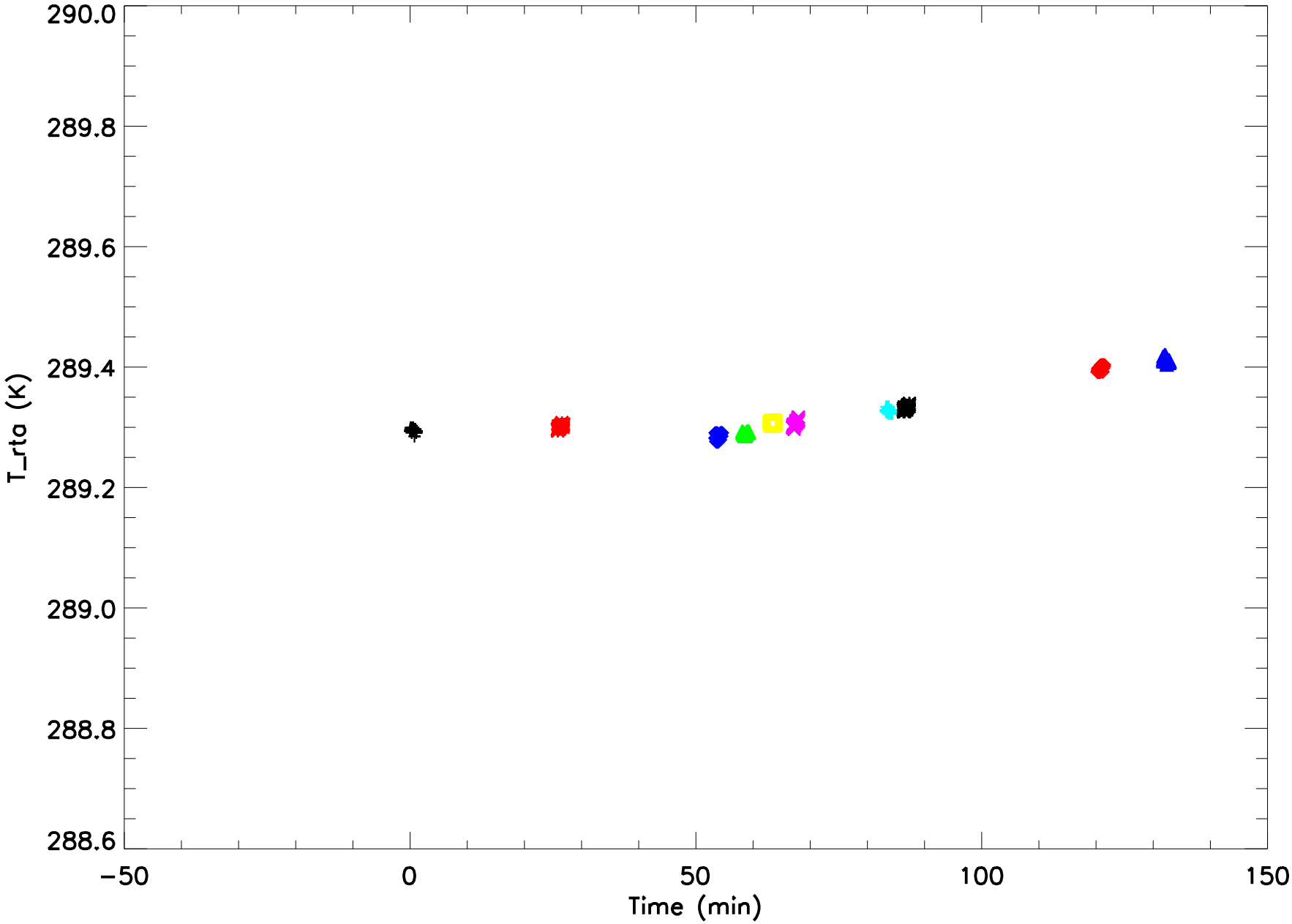

T_svs vs Time
−998.4
−998.6
−998.8
−999.0
−999.2
−999.4
−999.6
T_svs (K)
−1.0
−0.5
0.0
0.5
1.0
Time (min)

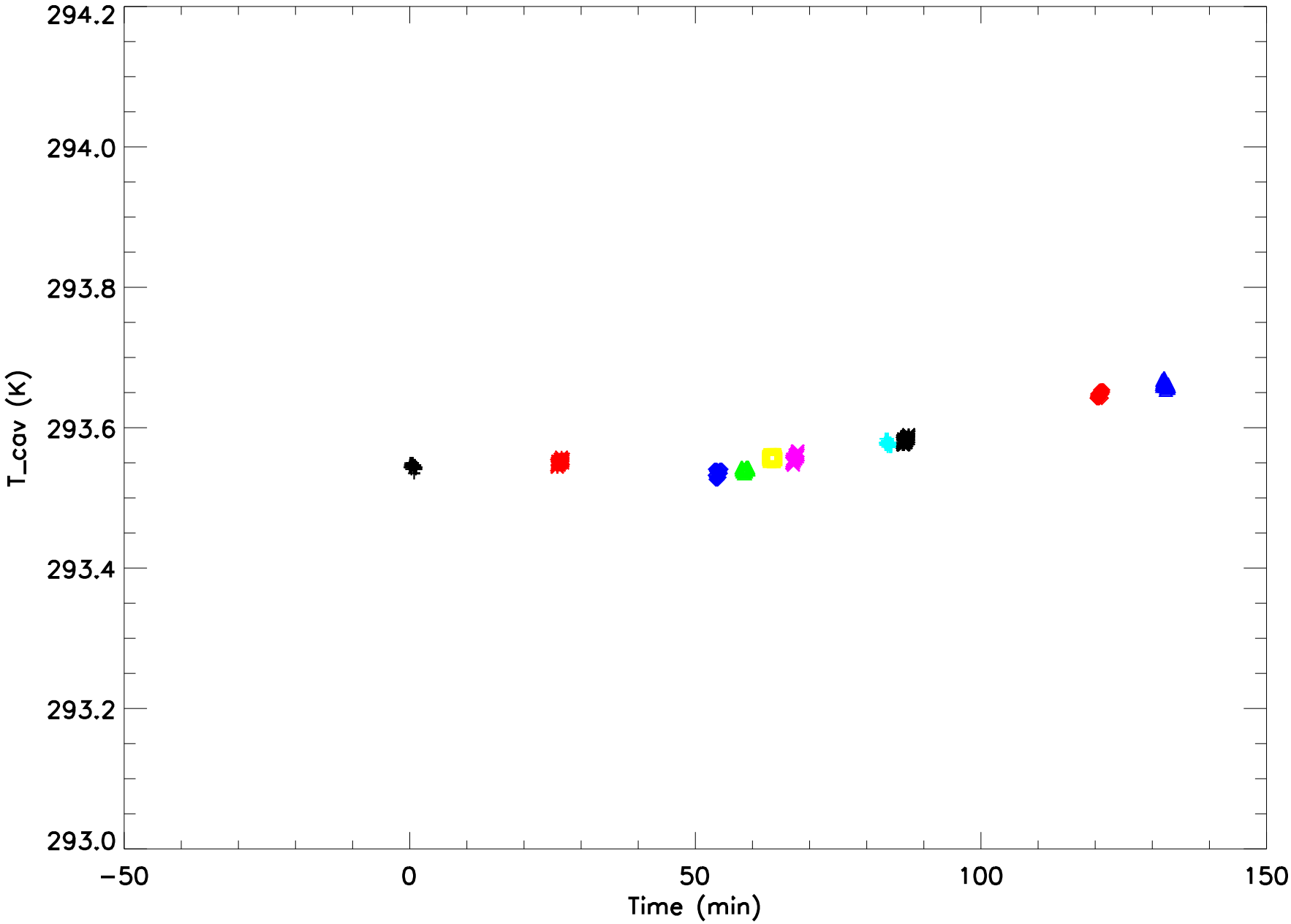

T_tmc vs Collect
330
325
320
315
310
305
T_tmc (K)
0
2
4
6
8
10
12
Collect

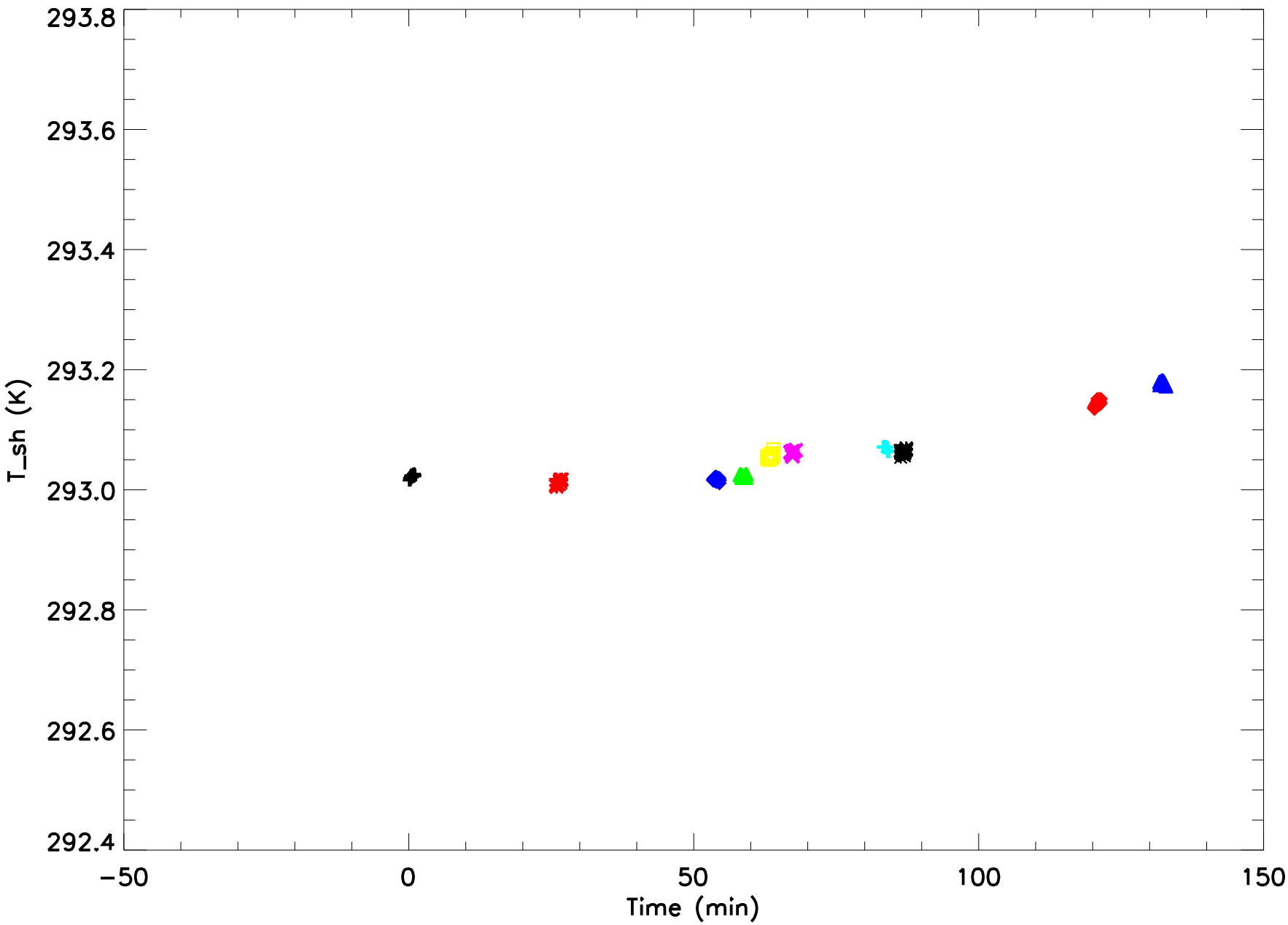

T_tmc vs Time
330
325
320
315
310
305
T_tmc (K)
−50
0
50
100
150
Time (min)

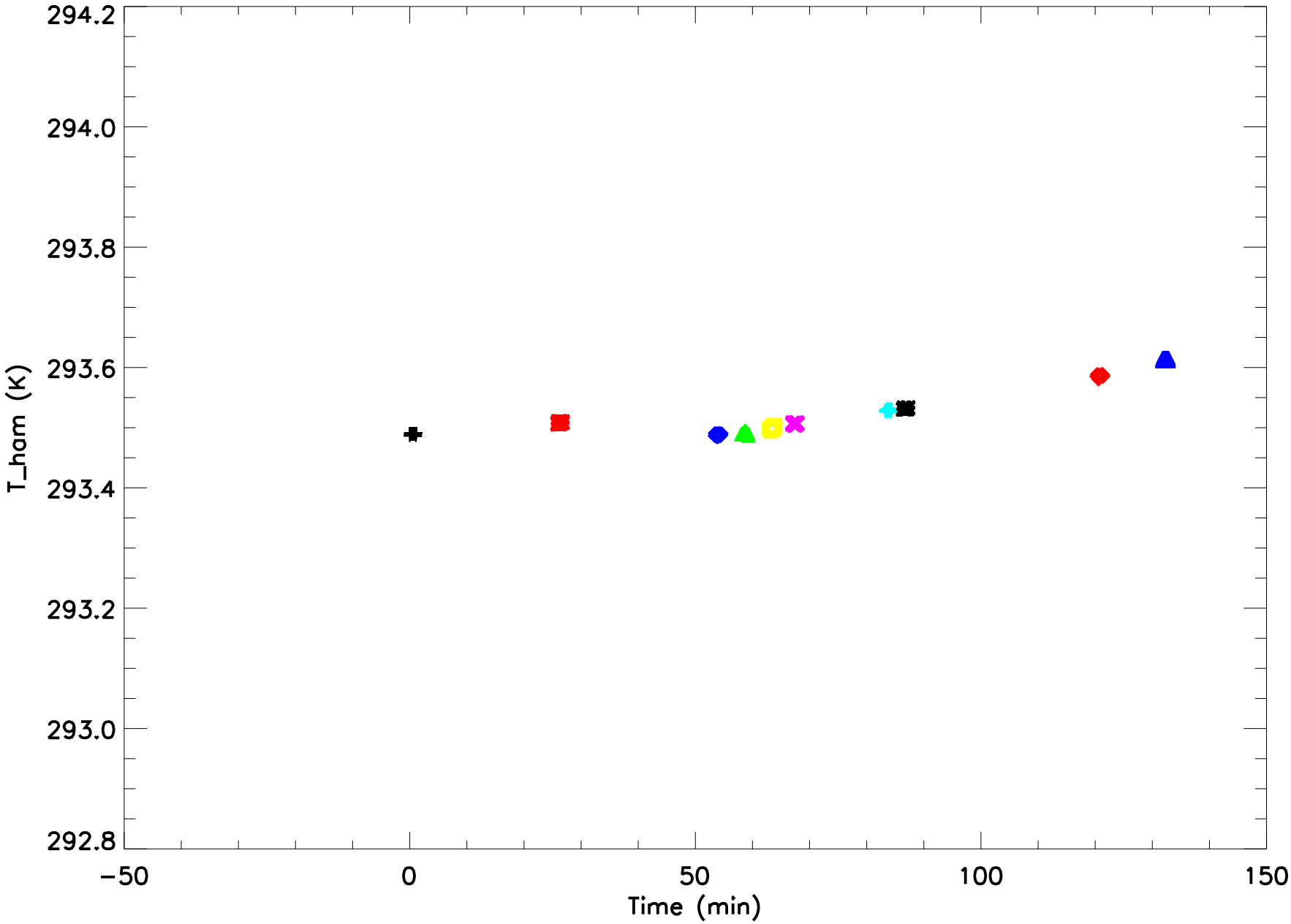

T_tmc_op vs Collect
T_tmc_op (K)
−998.4
−998.6
−998.8
−999.0
−999.2
−999.4
−999.6
0
2
4
6
8
10
12
Collect

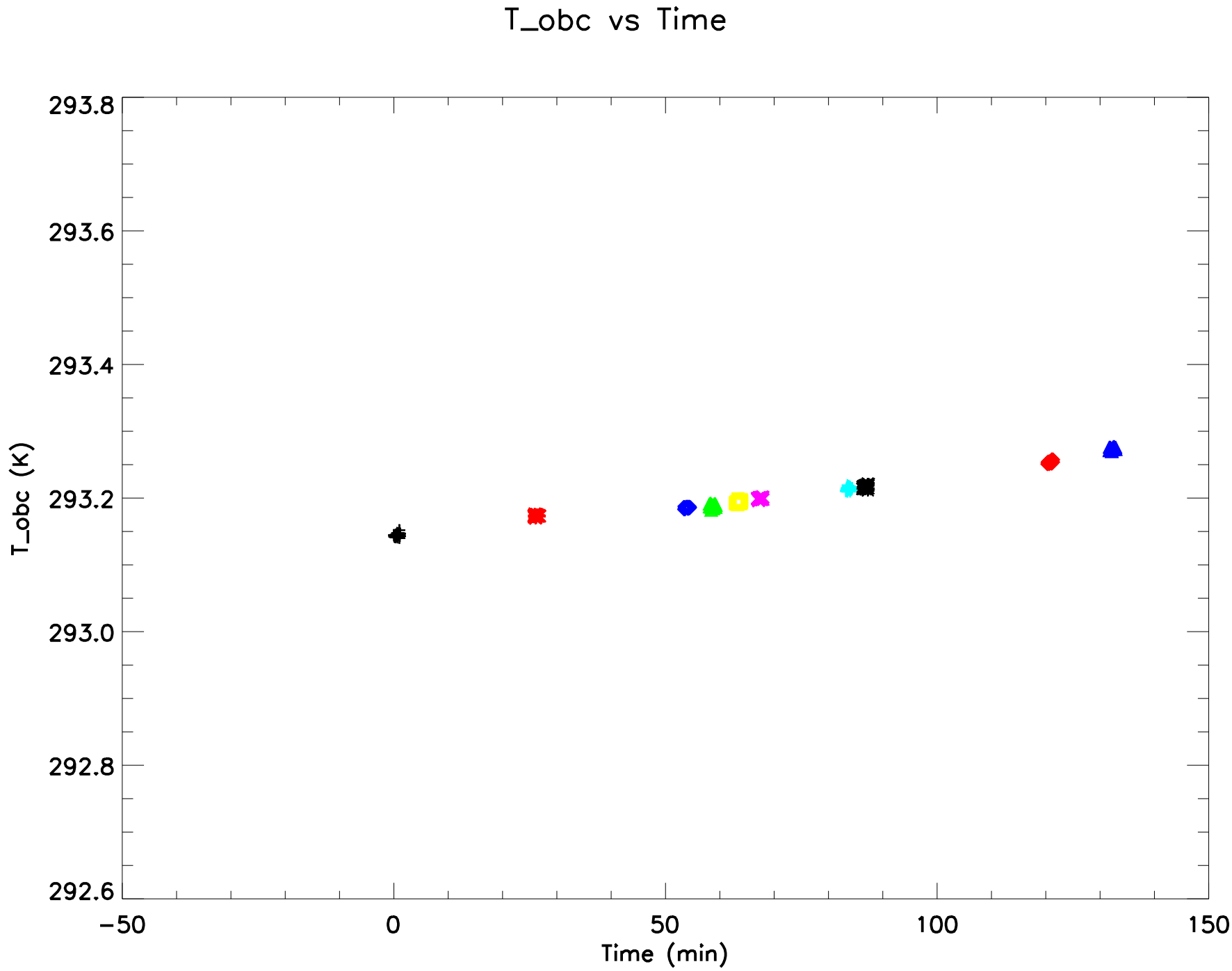

T_tmc_op vs Time
T_tmc_op (K)
−998.4
−998.6
−998.8
−999.0
−999.2
−999.4
−999.6
−1.0
−0.5
0.0
0.5
1.0
Time (min)


T_rta vs Time
290.0
289.8
289.6
289.4
289.2
289.0
288.8
288.6
T_rta (K)
−50
0
50
100
150
Time (min)

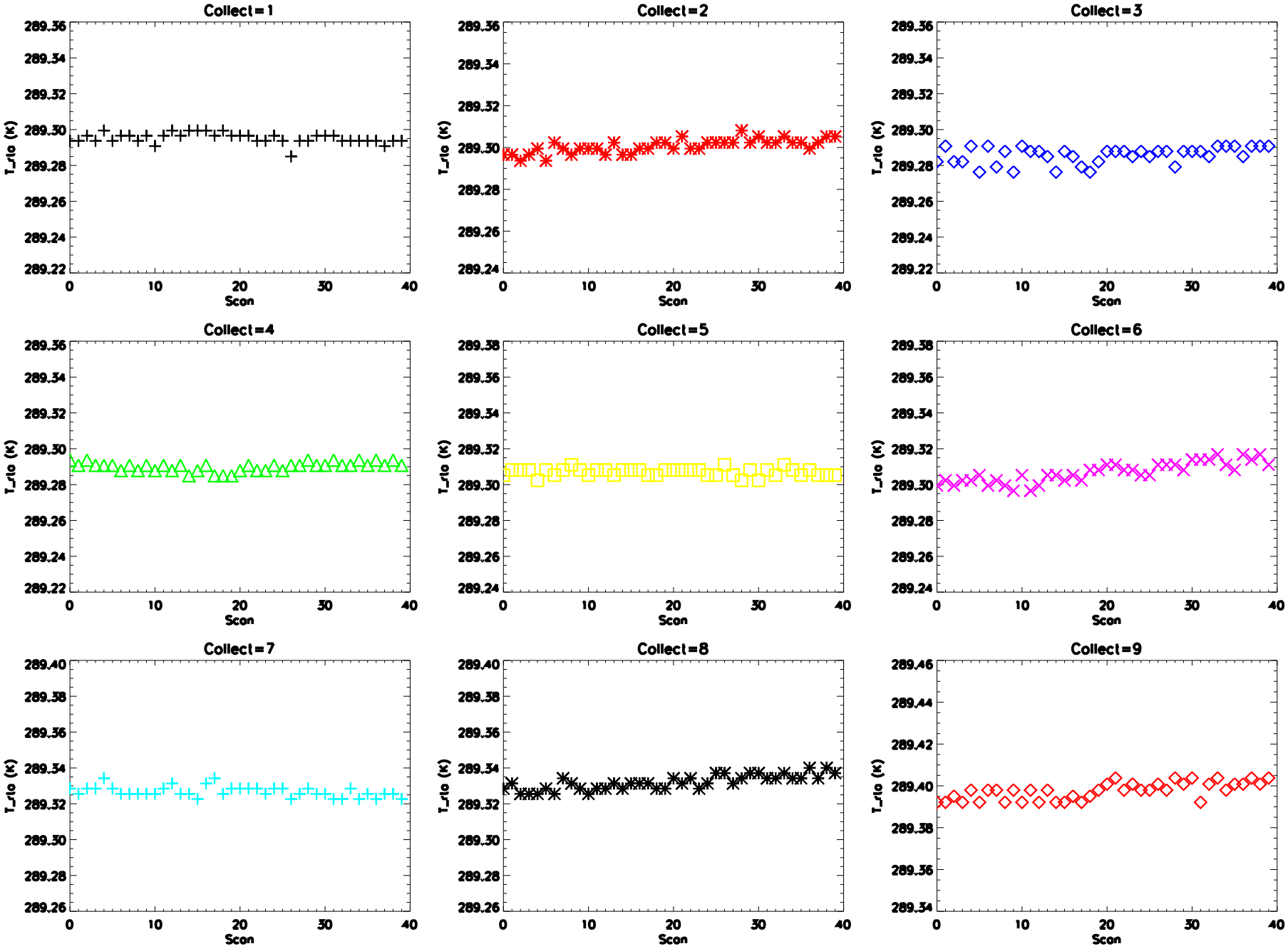

T_cav vs Time
294.2
294.0
293.8
293.6
293.4
293.2
293.0
T_cav (K)
−50
0
50
100
150
Time (min)


T_sh vs Time
293.8
293.6
293.4
293.2
293.0
292.8
292.6
292.4
T_sh (K)
−50
0
50
100
150
Time (min)

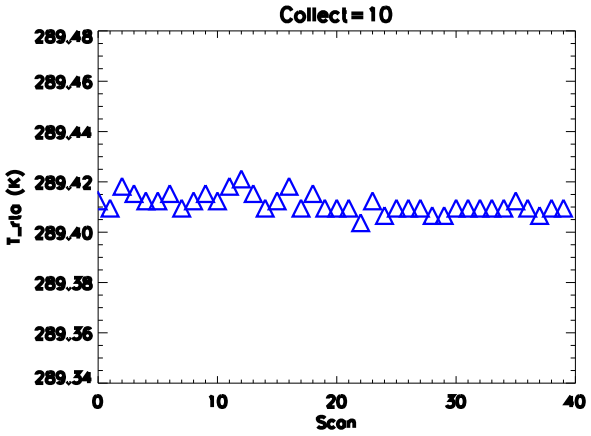

T_ham vs Time
294.2
294.0
293.8
293.6
293.4
293.2
293.0
292.8
T_ham (K)
−50
0
50
100
150
Time (min)


T_obc vs Time
293.8
293.6
293.4
293.2
293.0
292.8
292.6
T_obc (K)
−50
0
50
100
150
Time (min)

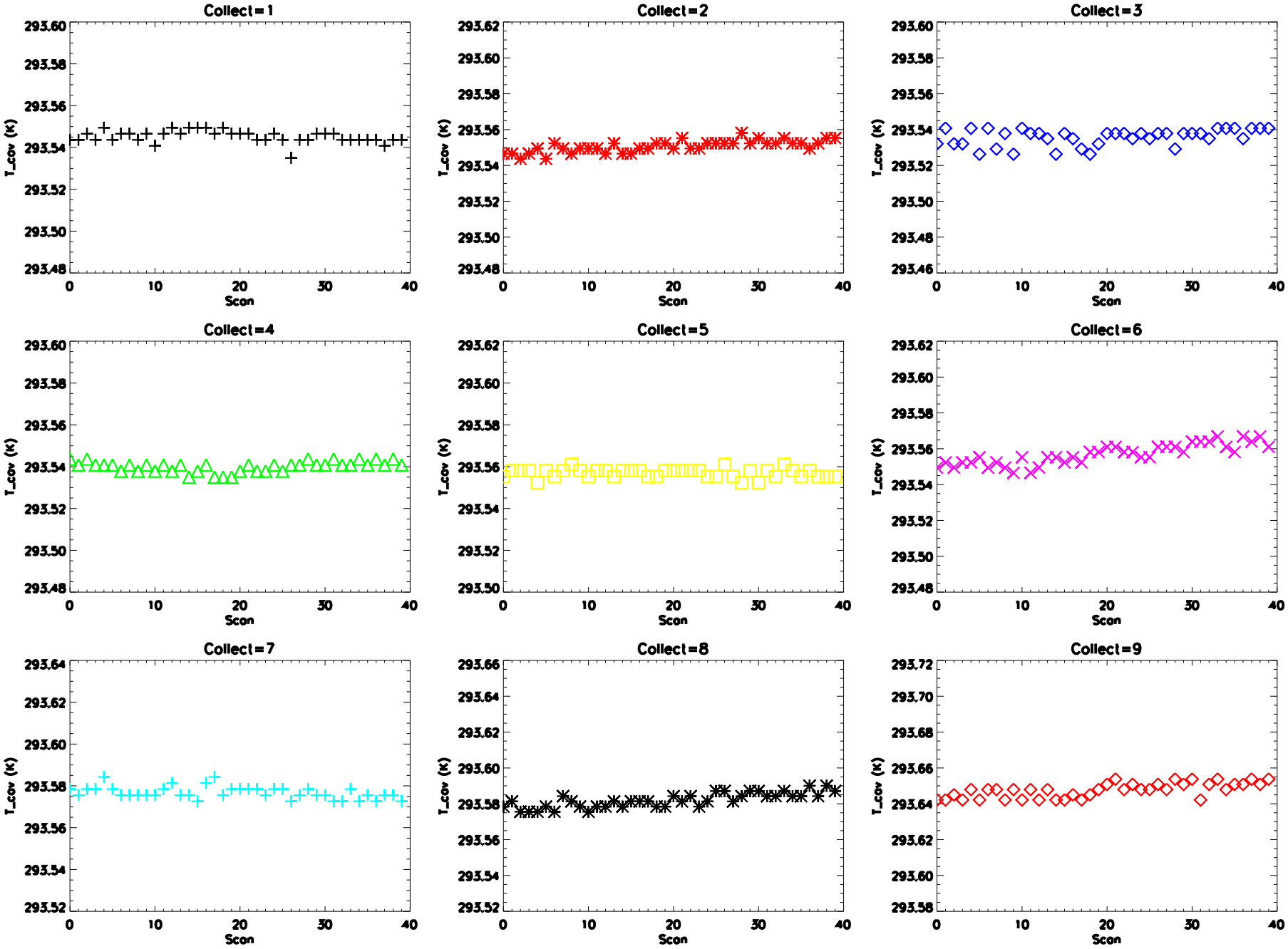
T_rta vs Scan


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

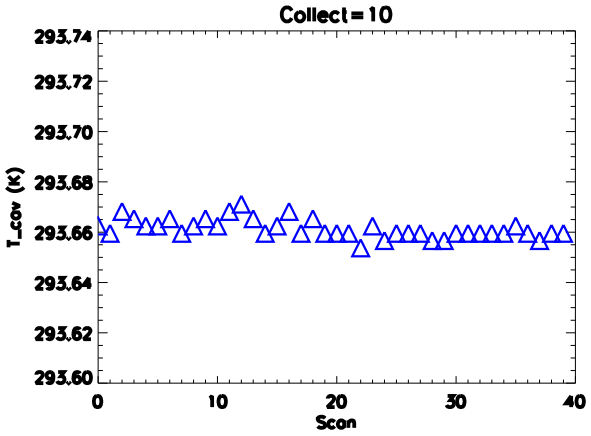
T_rta vs Scan


Collect = 10
289.48
289.46
289.44
289.42
289.40
289.38
289.36
289.34
T_rta (K)
0
10
20
30
40
Scan

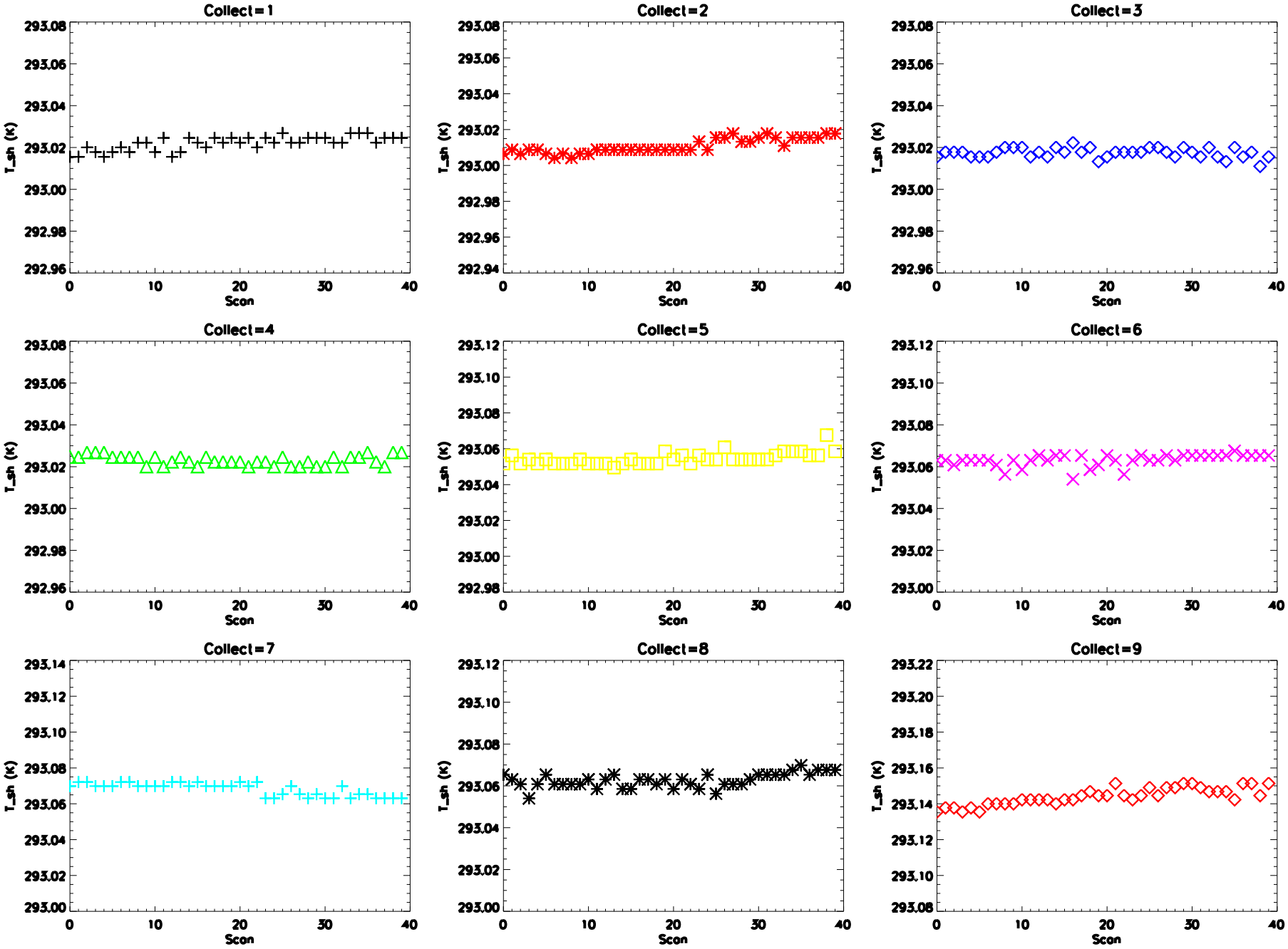
T_cav vs Scan


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

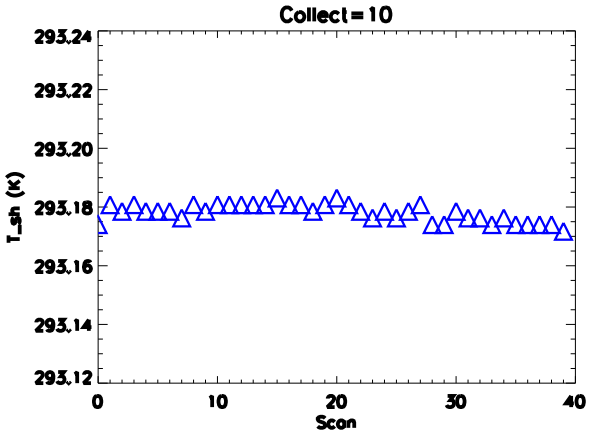
T_cav vs Scan


Collect = 10
293.74
293.72
293.70
293.68
293.66
293.64
293.62
293.60
T_cav (K)
0
10
20
30
40
Scan

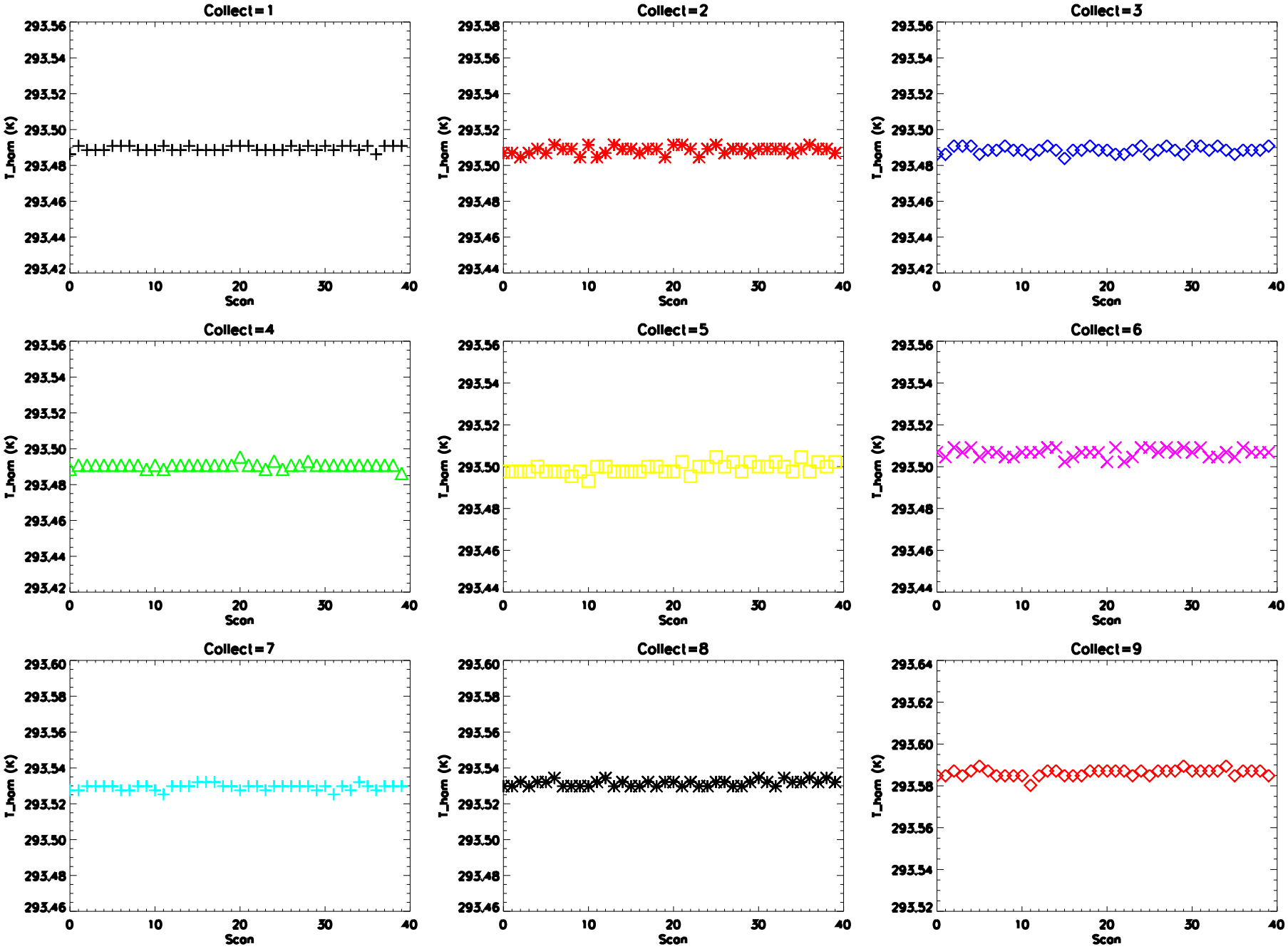
T_sh vs Scan


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

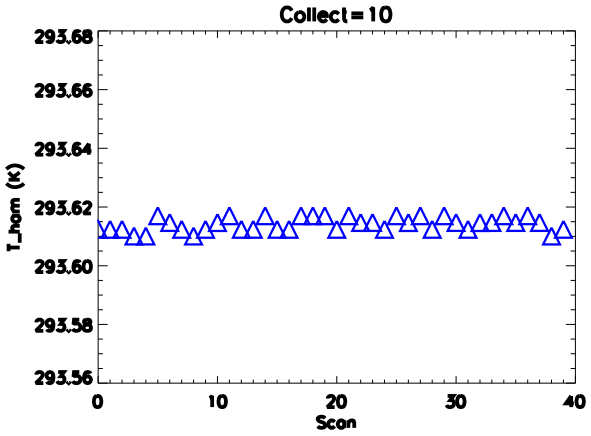
T_sh vs Scan


Collect = 10
293.24
293.22
293.20
293.18
293.16
293.14
293.12
T_sh (K)
0
10
20
30
40
Scan

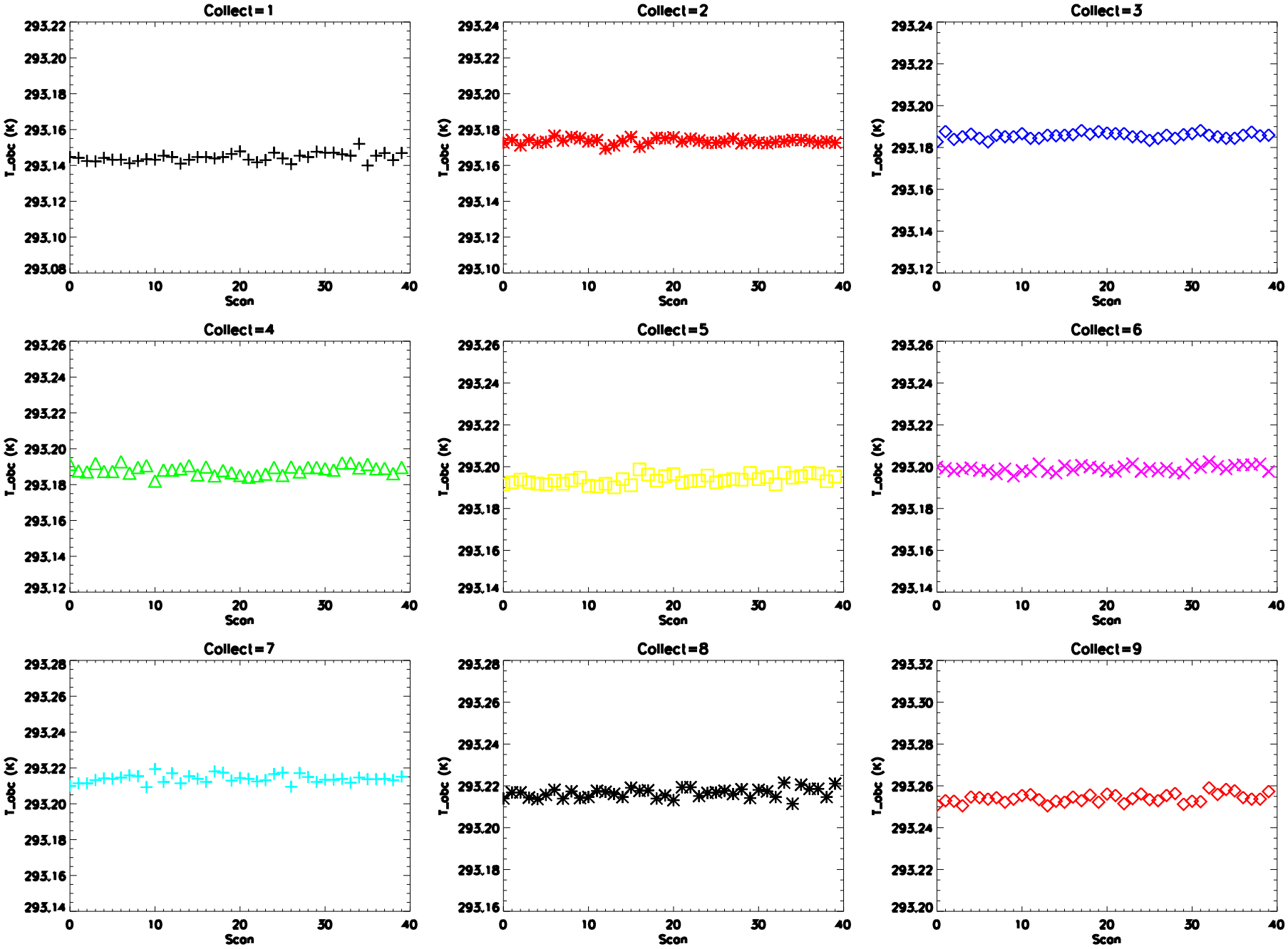
T_ham vs Scan


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

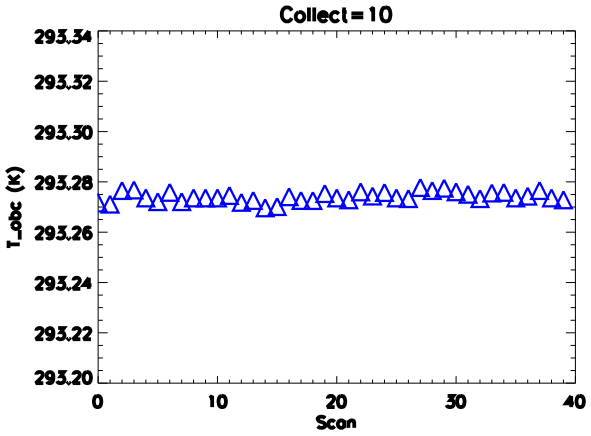
T_ham vs Scan

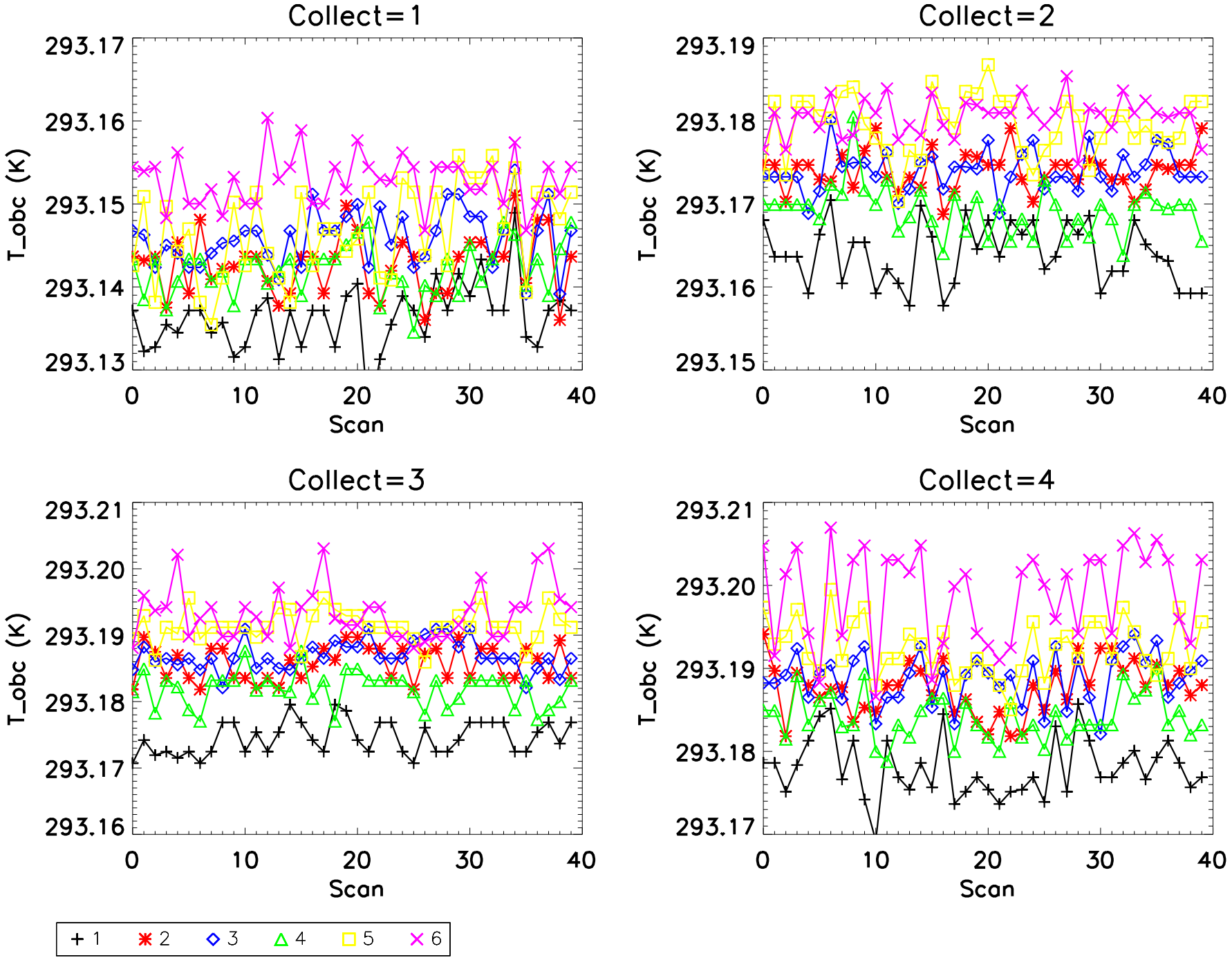

Collect = 10
293.68
293.66
293.64
293.62
293.60
293.58
293.56
T_ham (K)
0
10
20
30
40
Scan

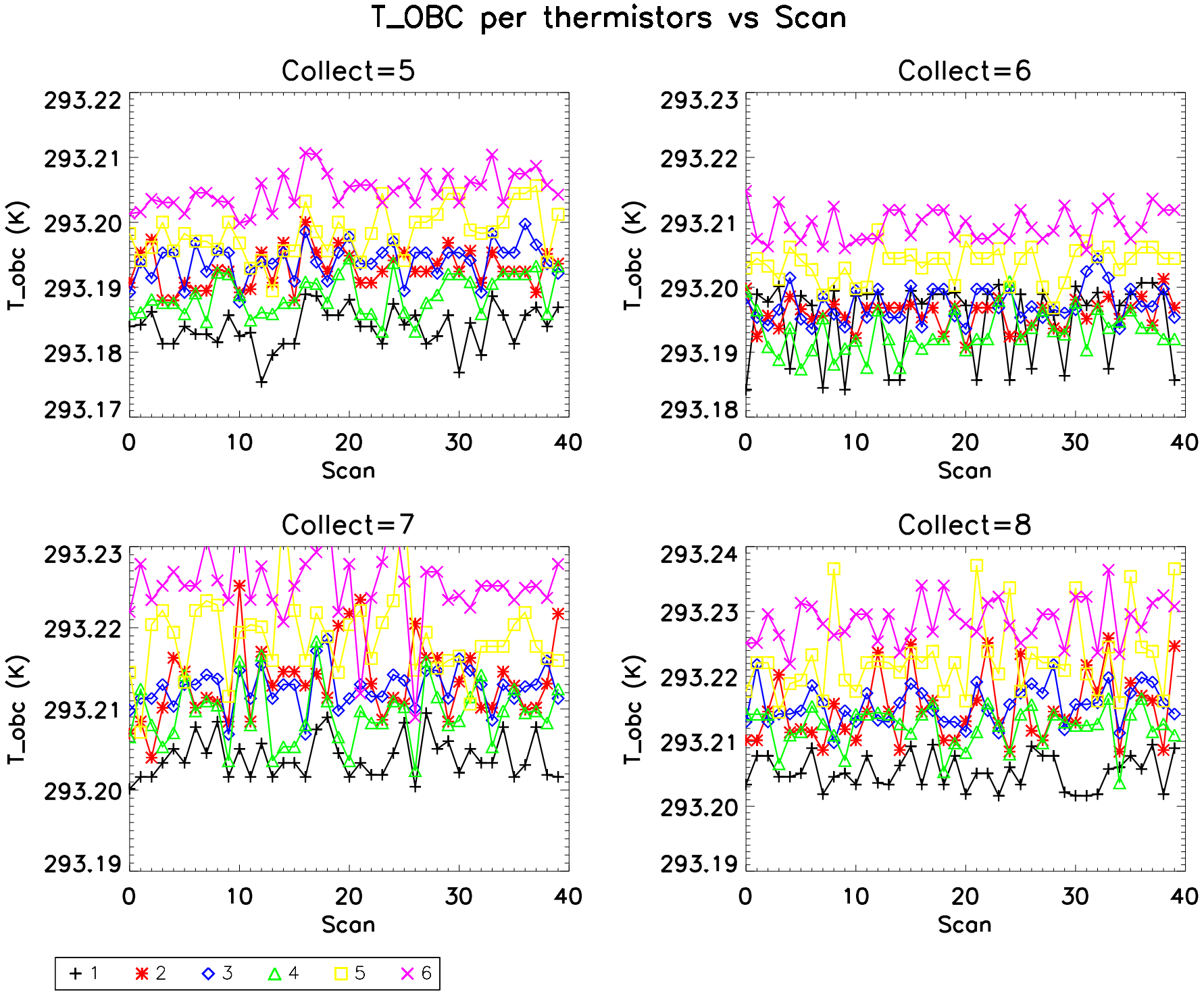
T_obc vs Scan


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

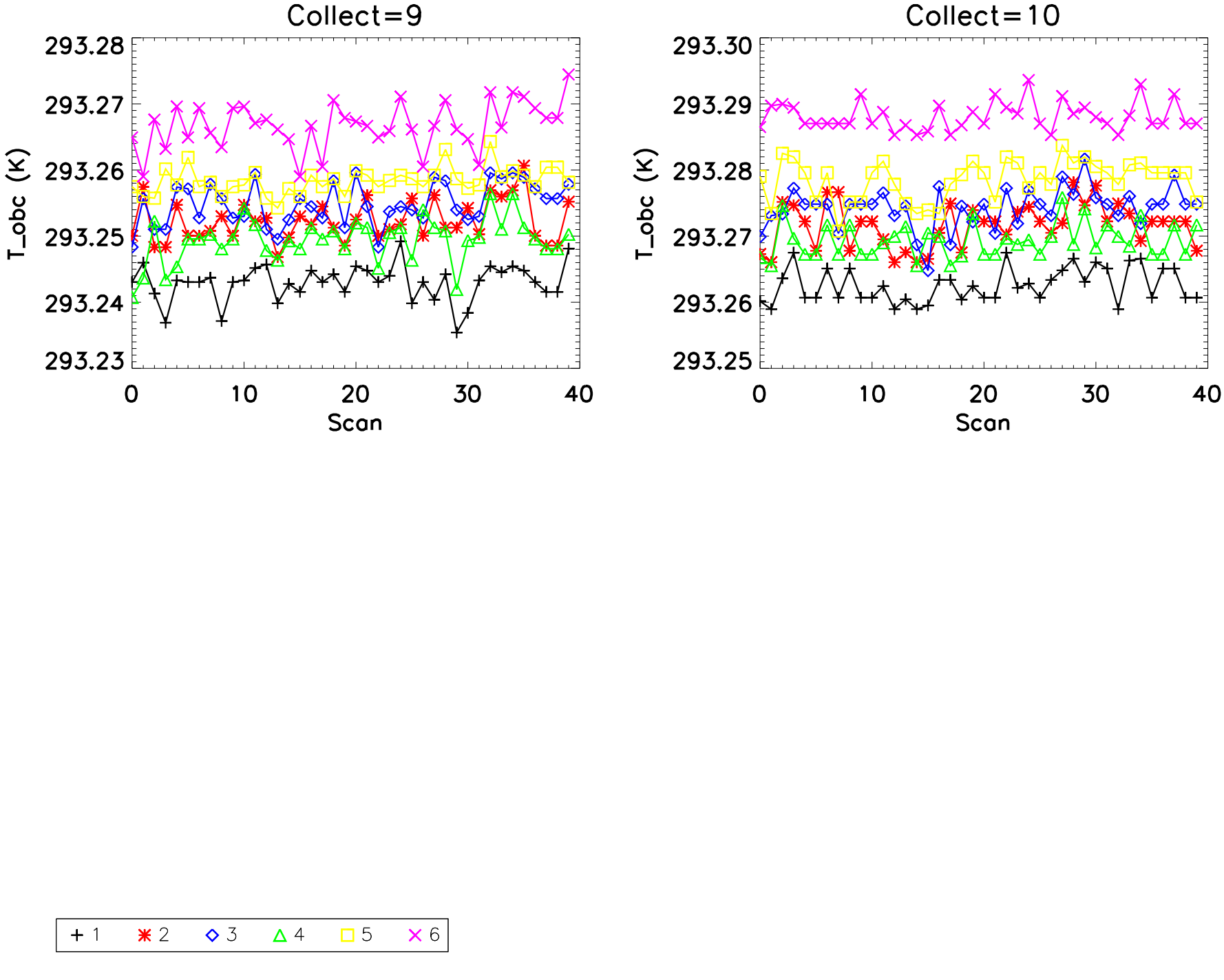
T_obc vs Scan

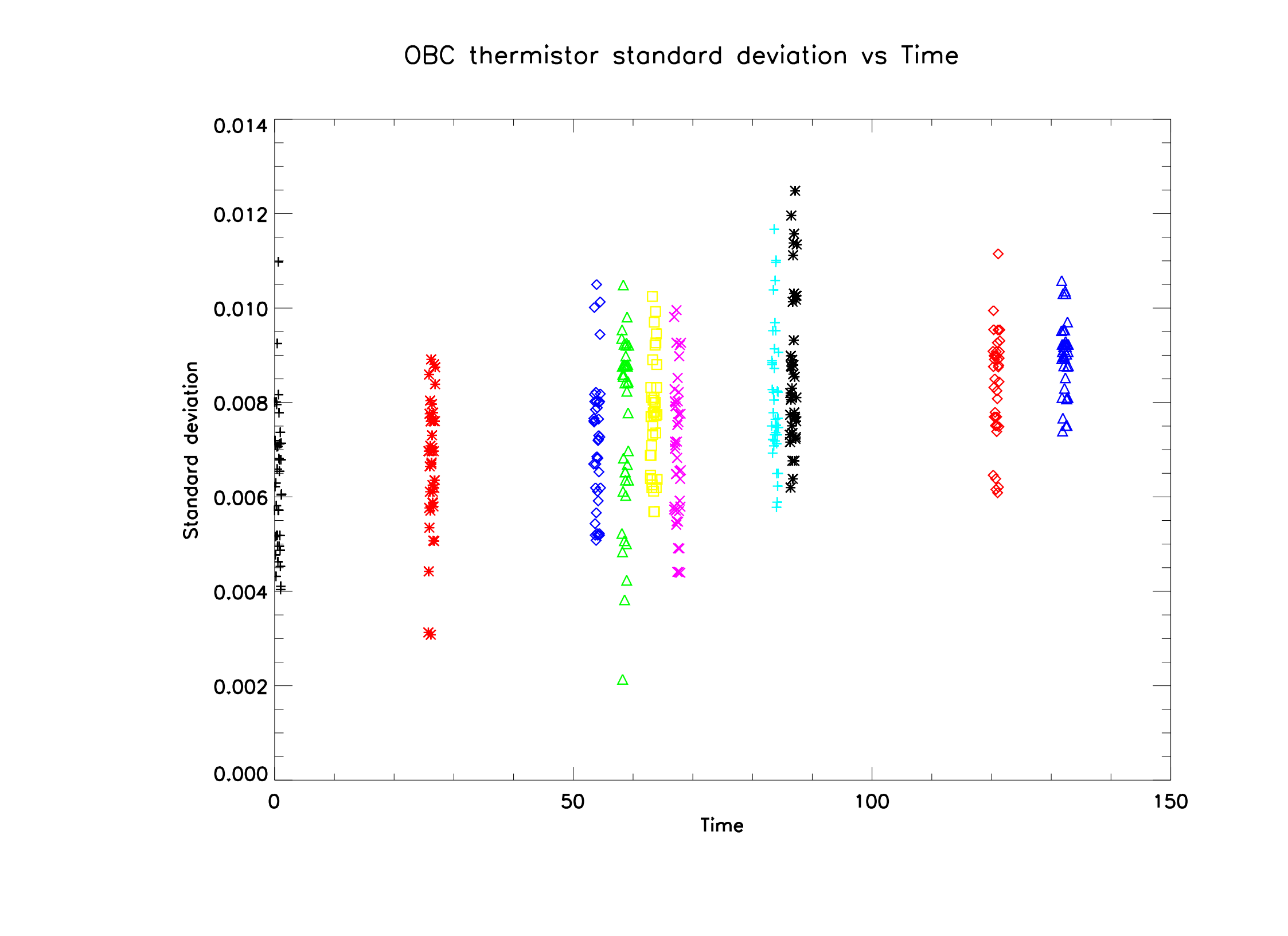

Collect = 10
293.34
293.32
293.30
293.28
293.26
293.24
293.22
293.20
T_obc (K)
0
10
20
30
40
Scan

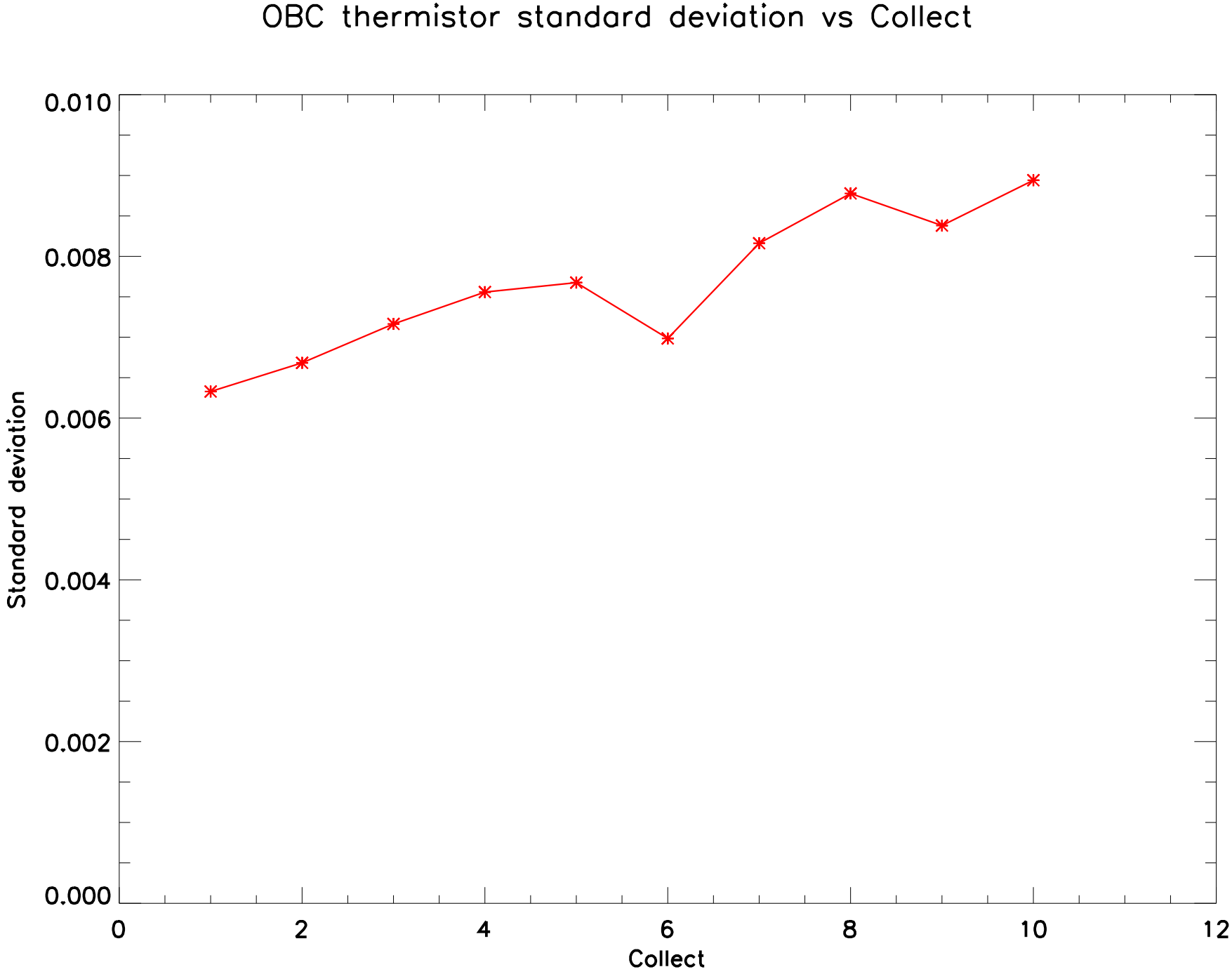

T_OBC per thermistors vs Scan
Collect=1
Collect=2
Collect=3
Collect=4
T_obc (K)
Scan
293.17
293.16
293.15
293.14
293.13
293.19
293.18
293.21
293.20
0
10
20
30
40
1
2
3
4
5
6

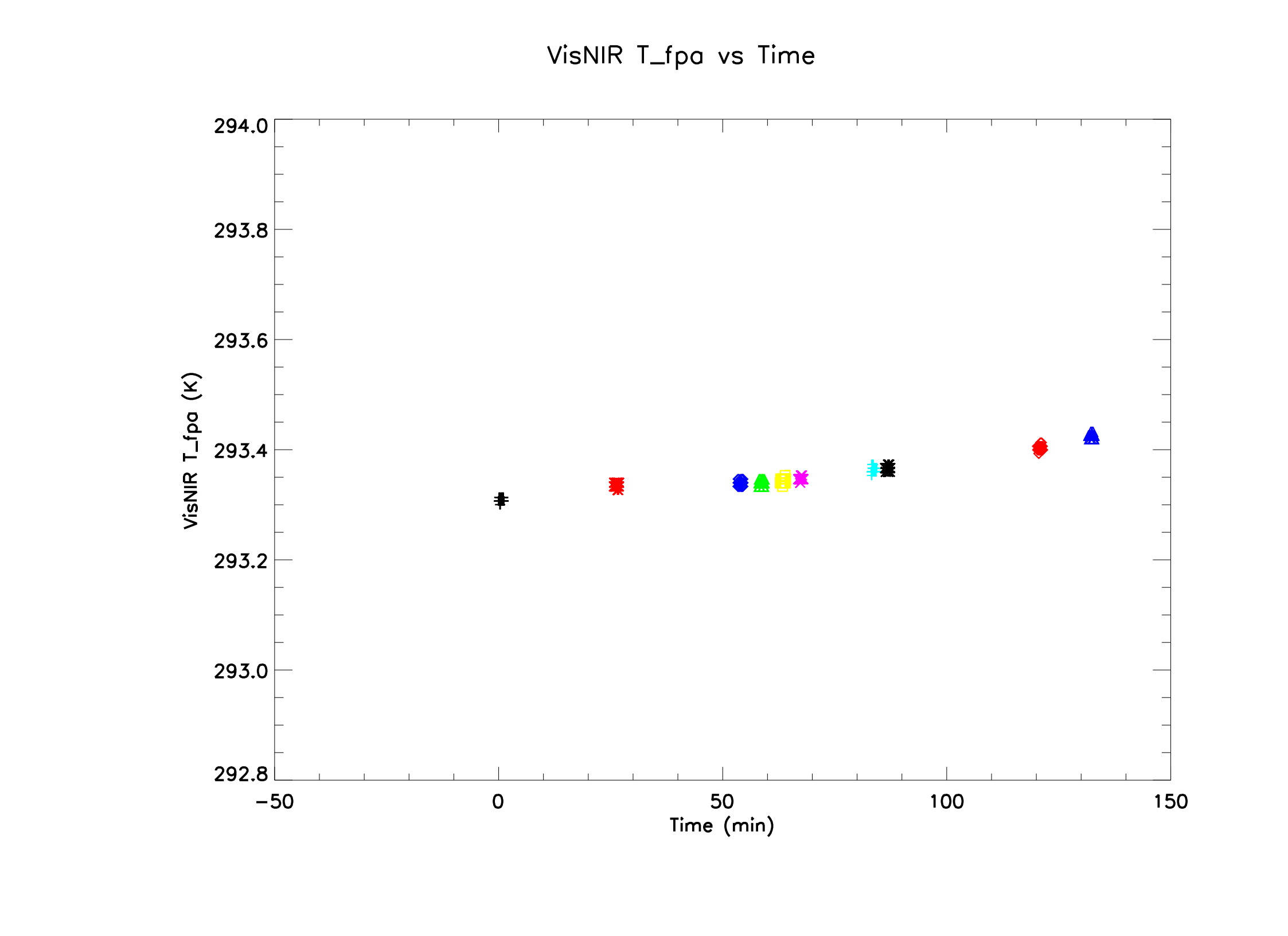

T_OBC per thermistors vs Scan
Collect=5
Collect=6
Collect=7
Collect=8
T_obc (K)
Scan
293.17
293.18
293.19
293.20
293.21
293.22
293.23
293.24
0
10
20
30
40
1
2
3
4
5
6

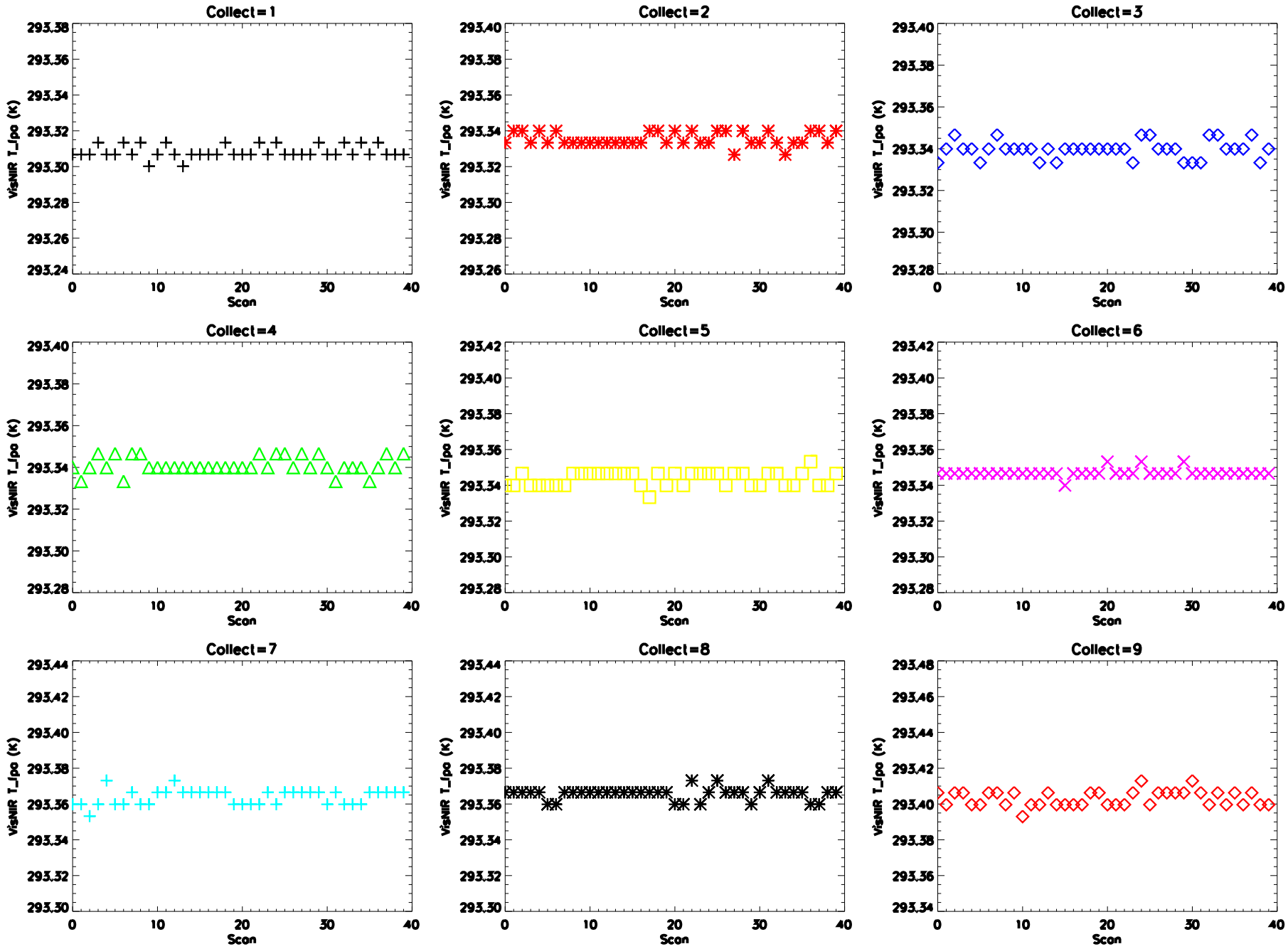
T_OBC per thermistors vs Scan



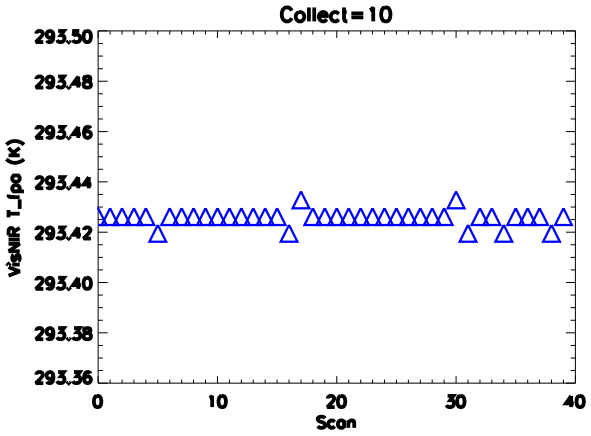

OBC thermistor standard deviation vs Time
Standard deviation
0.014
0.012
0.010
0.008
0.006
0.004
0.002
0.000
0
50
100
150
Time

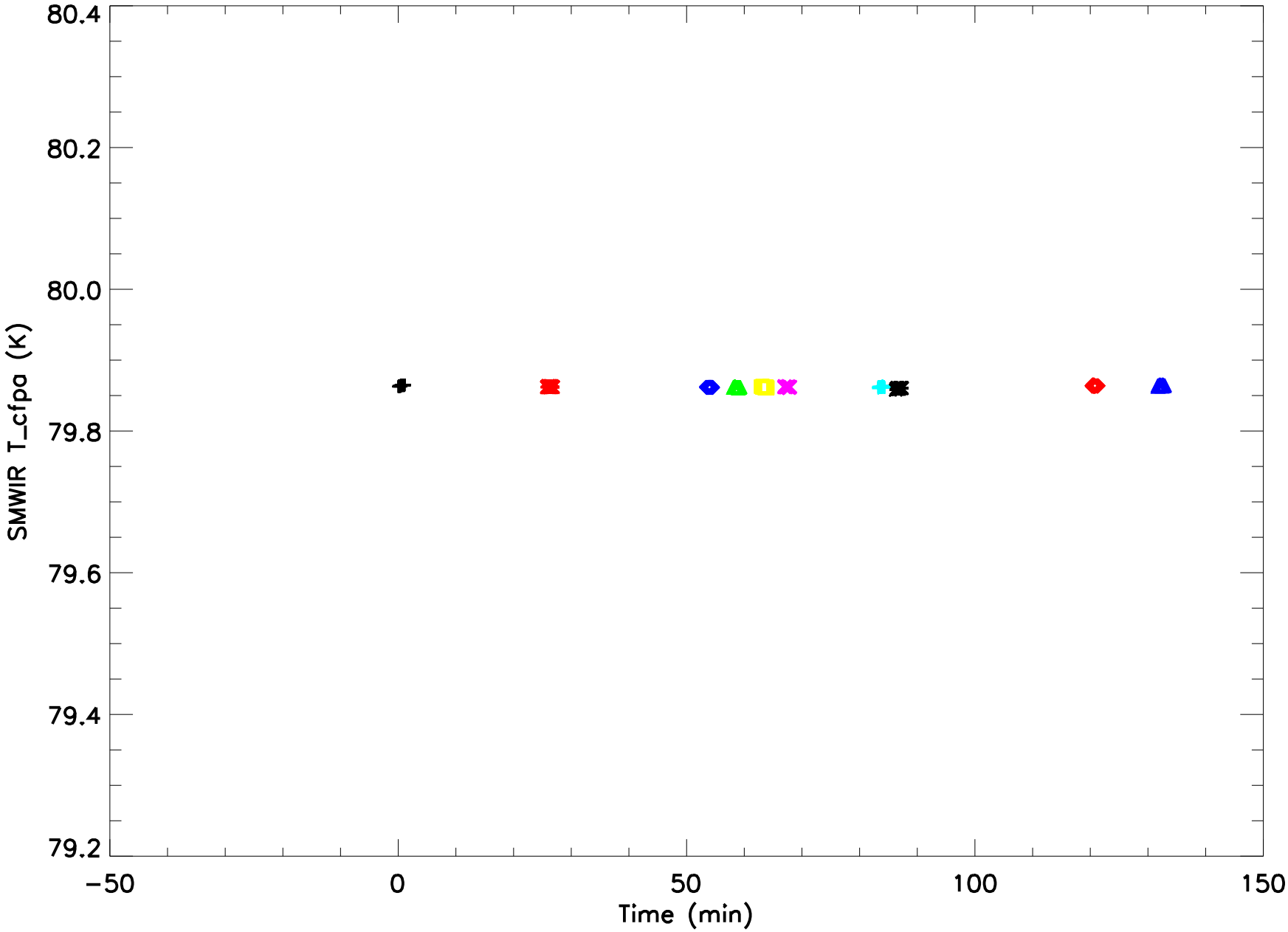

OBC thermistor standard deviation vs Collect
Standard deviation
0.010
0.008
0.006
0.004
0.002
0.000
0
2
4
6
8
10
12
Collect

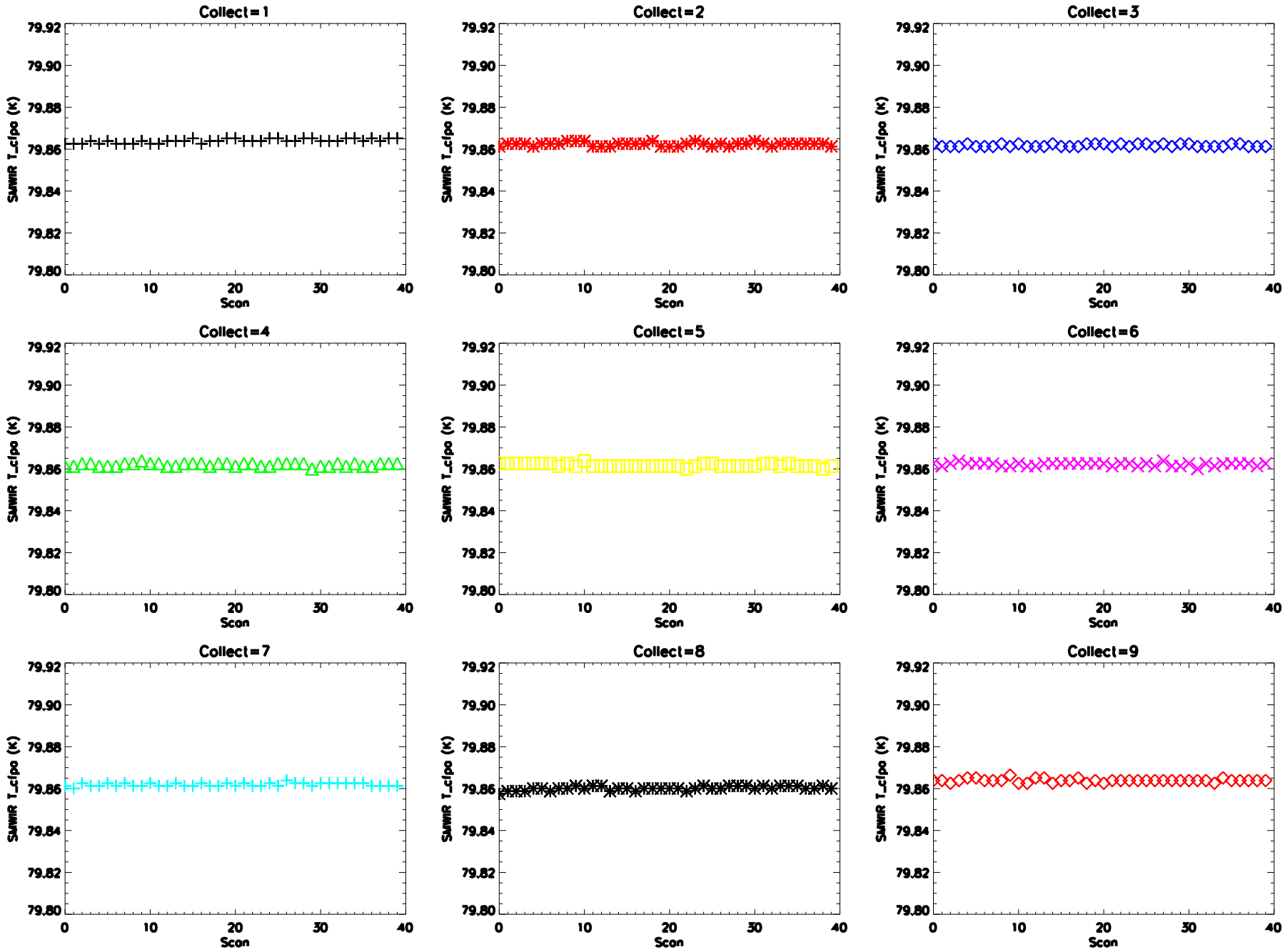

VisNIR T_fpa vs Time
VisNIR T_fpa (K)
294.0
293.8
293.6
293.4
293.2
293.0
292.8
−50
0
50
100
150
Time (min)


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

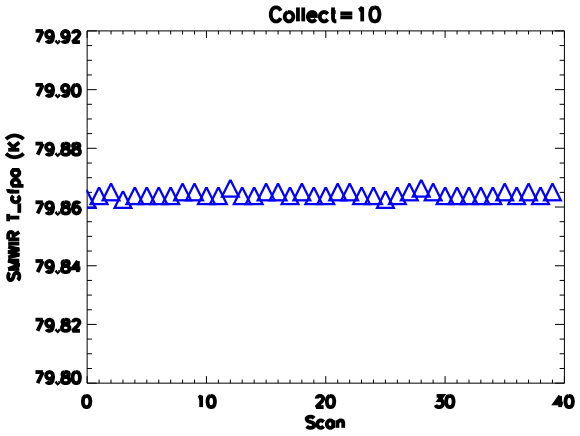
VisNIR T_fpa vs Scan

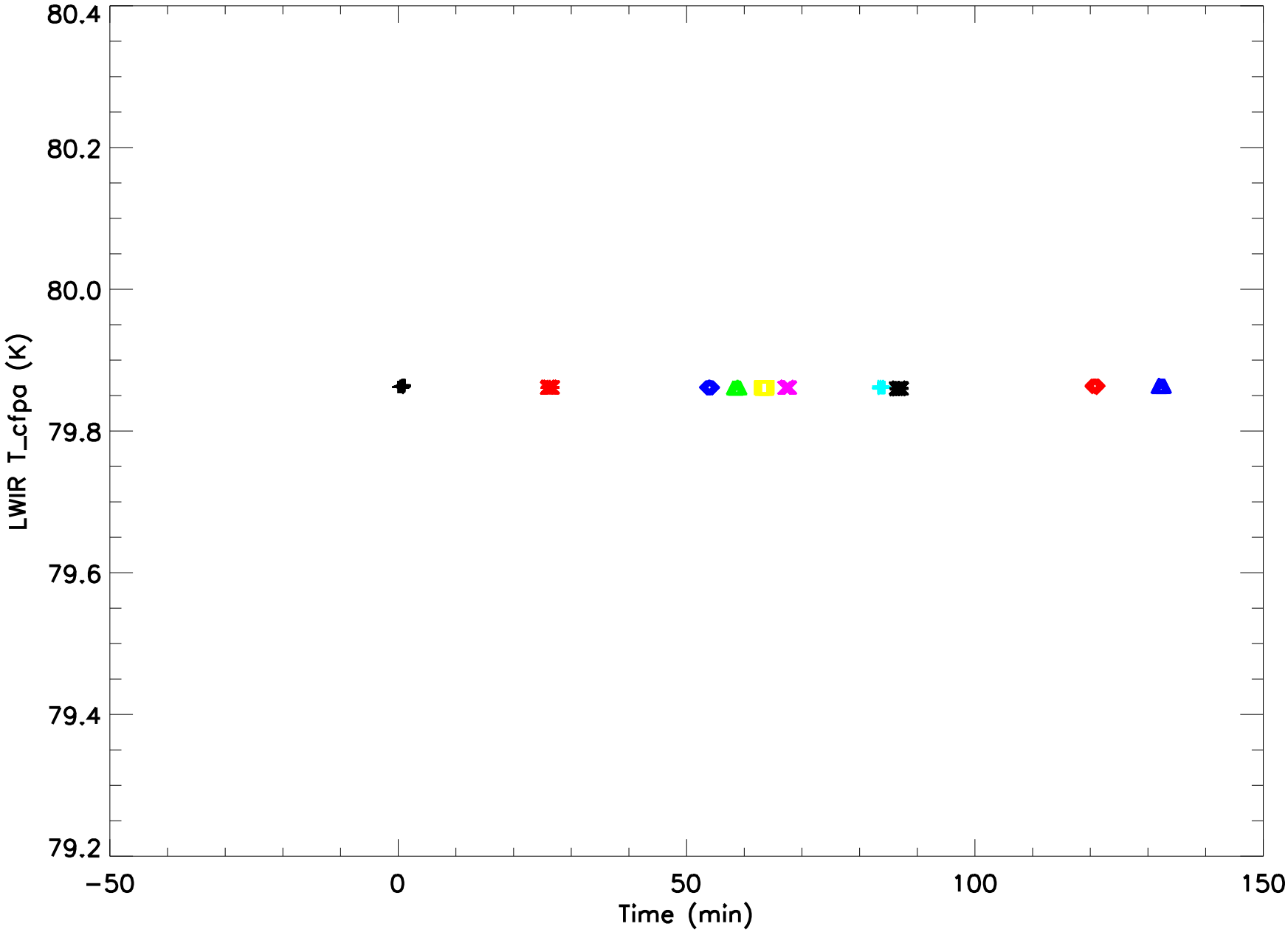


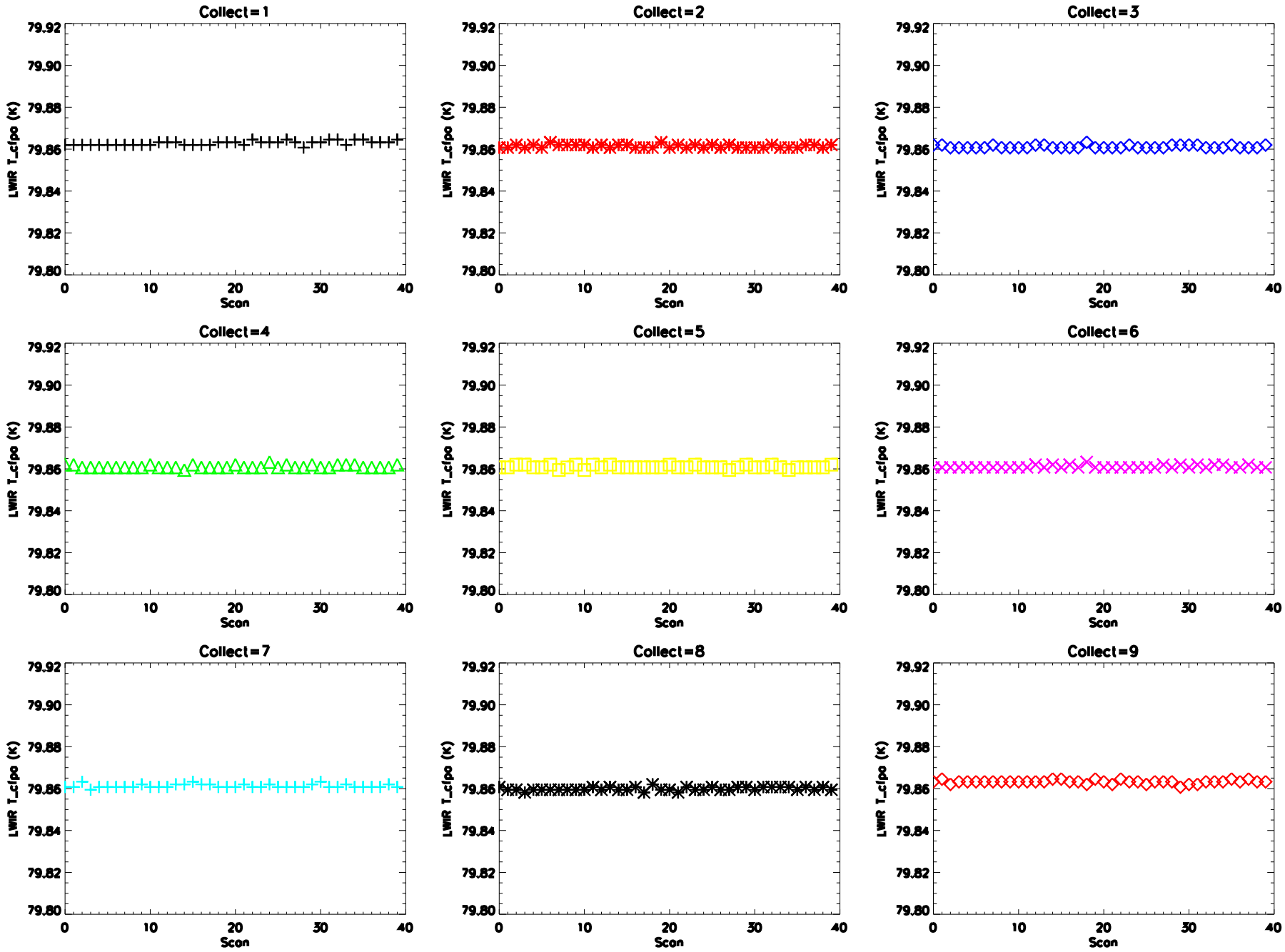

SMWIR T_cfpa vs Time
80.4
80.2
80.0
79.8
79.6
79.4
79.2
SMWIR T_cfpa (K)
−50
0
50
100
150
Time (min)


Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
SMWIR T_clpa (K)
Scan
79.92
79.90
79.88
79.86
79.84
79.82
79.80
0
10
20
30
40

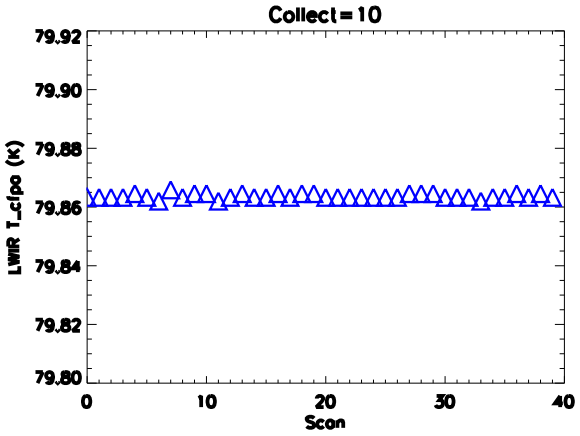
SMWIR T_cfpa vs Scan

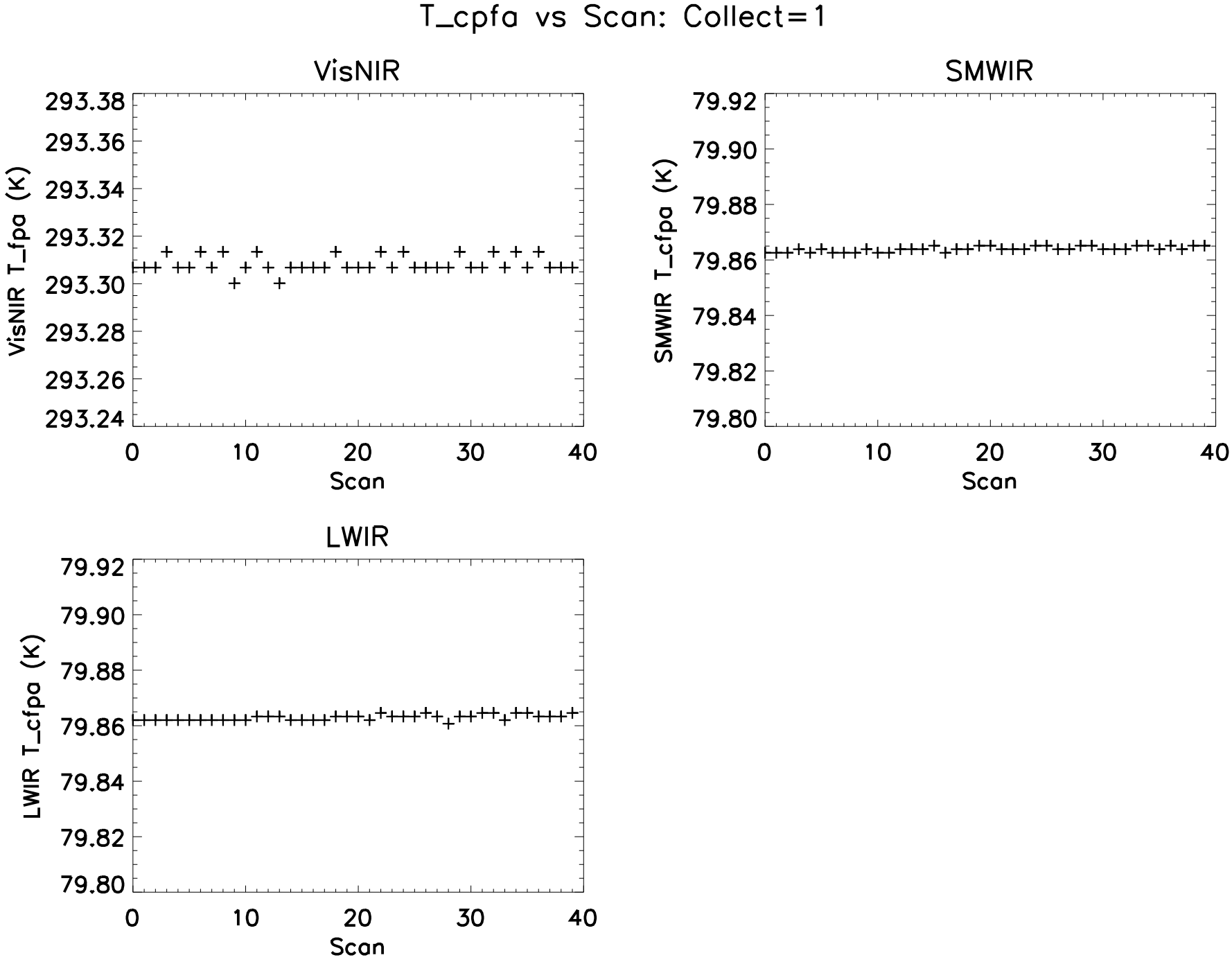


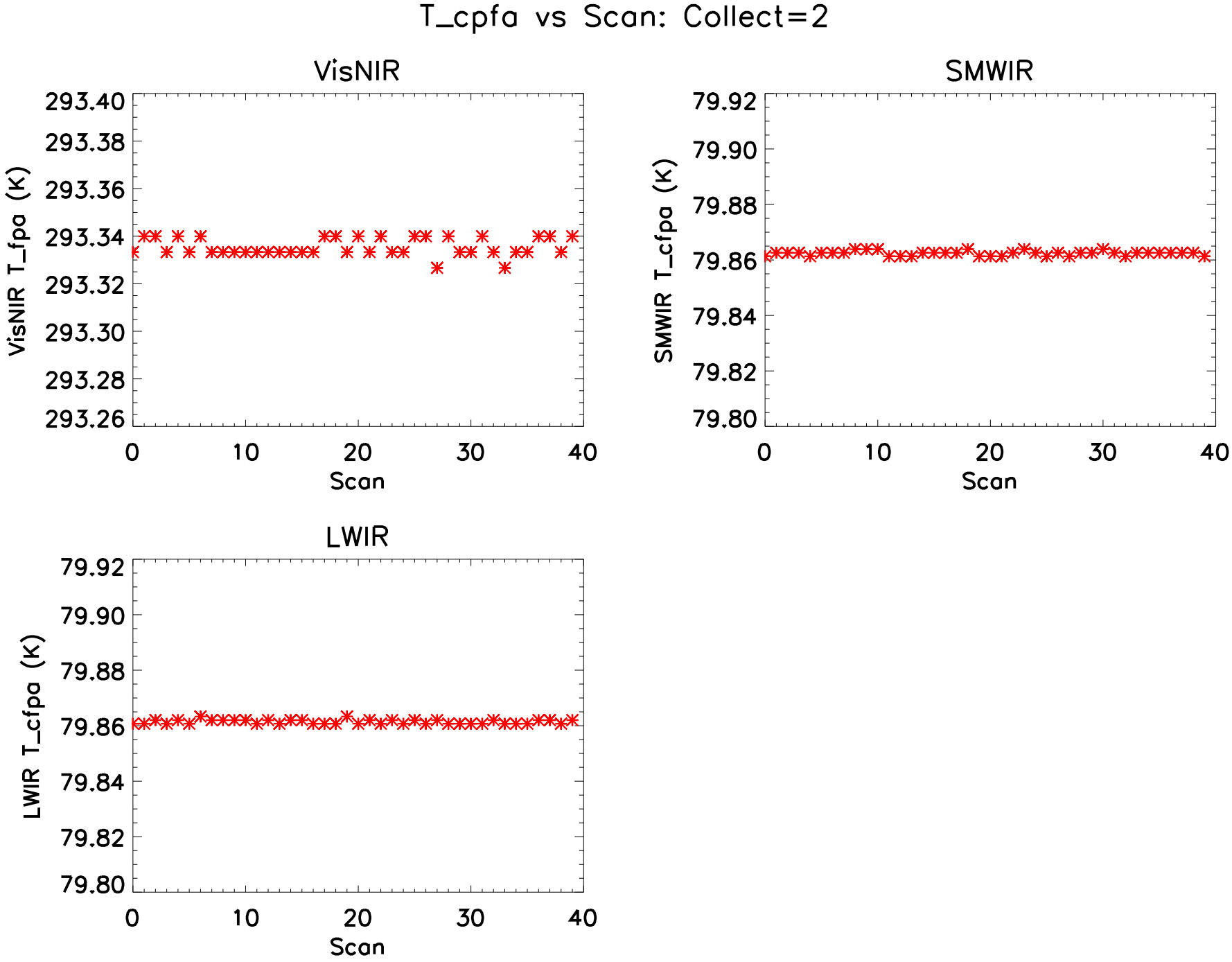

LWIR T_cfpa vs Time
LWIR T_cfpa (K)
80.4
80.2
80.0
79.8
79.6
79.4
79.2
−50
0
50
100
150
Time (min)

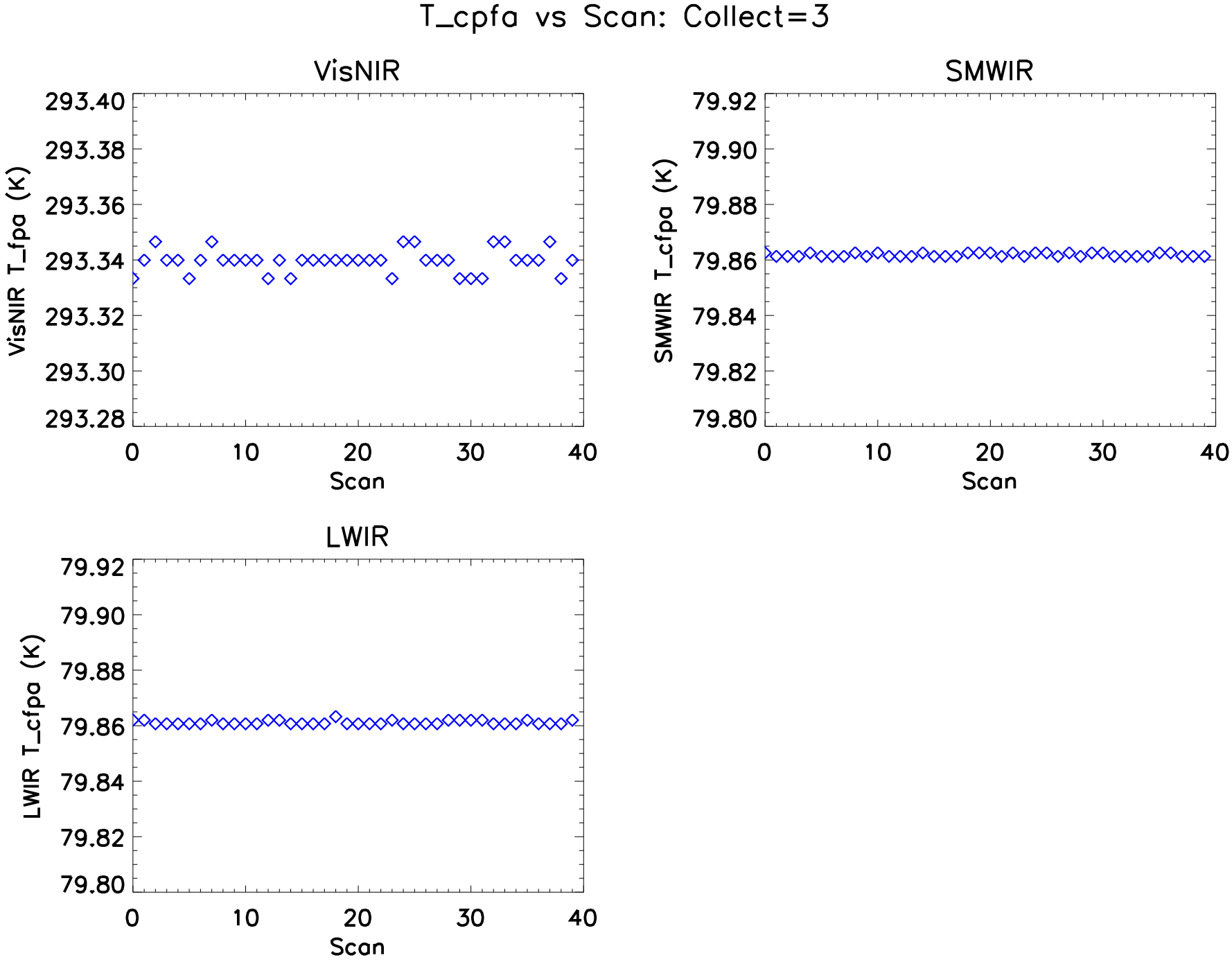

Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
LWIR T_cfpa (K)
Scan
79.92
79.90
79.88
79.86
79.84
79.82
79.80
0
10
20
30
40

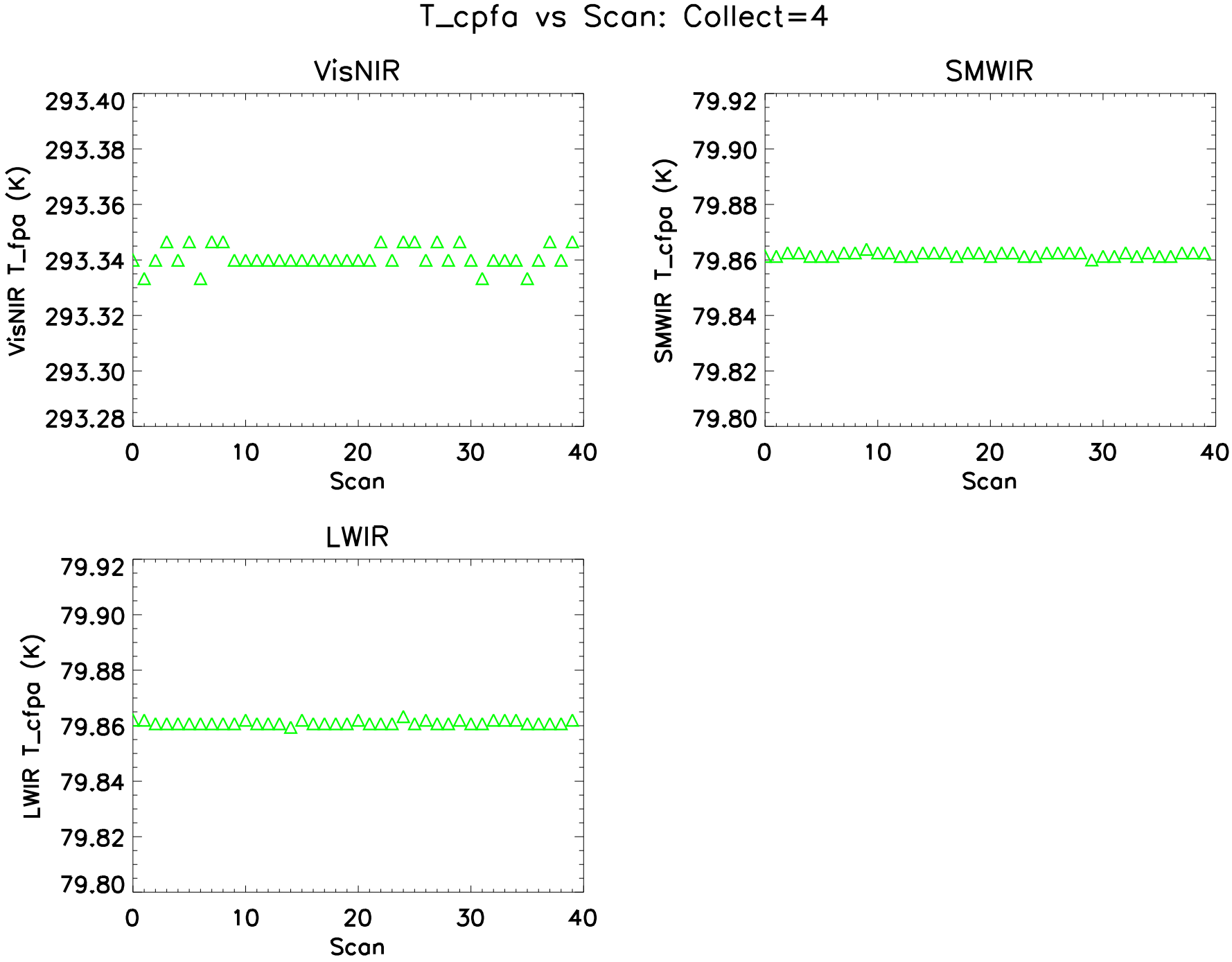
LWIR T_cfpa vs Scan

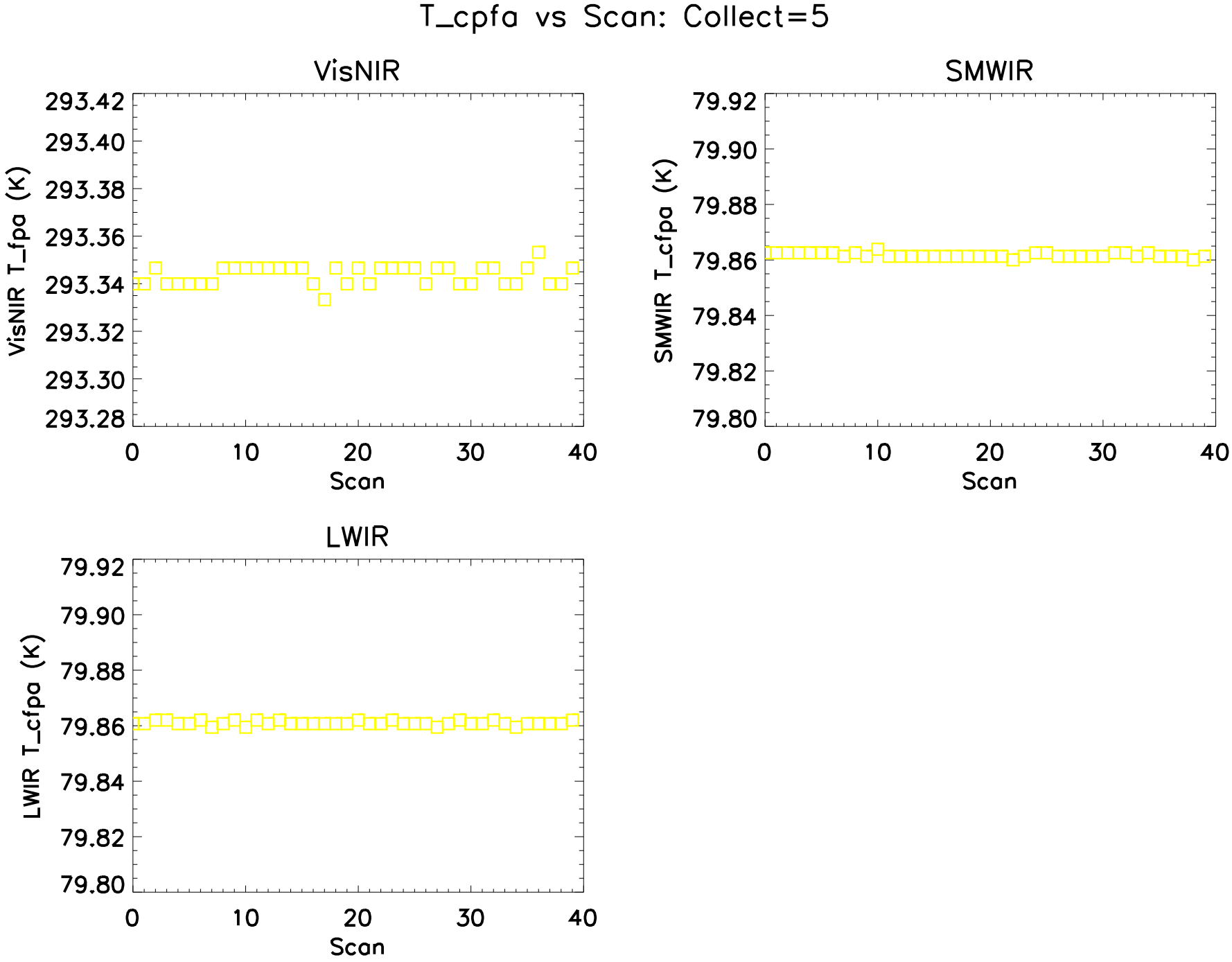


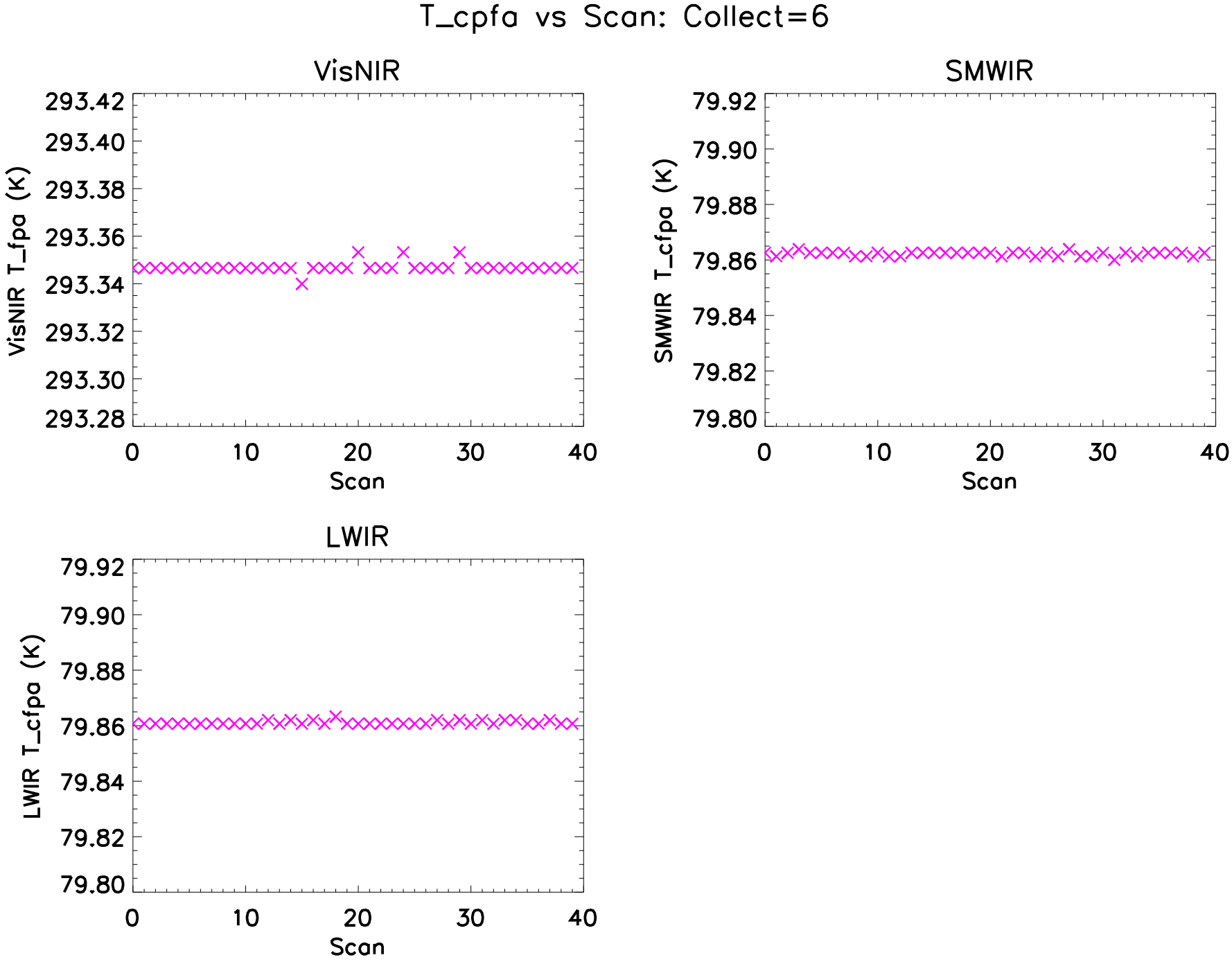

T_cpfa vs Scan: Collect=1
VisNIR
VisNIR T_fpa (K)
293.38
293.36
293.34
293.32
293.30
293.28
293.26
293.24
0
10
20
30
40
Scan
SMWIR
SMWIR T_cfpa (K)
79.92
79.90
79.88
79.86
79.84
79.82
79.80
0
10
20
30
40
Scan
LWIR
LWIR T_cfpa (K)
79.92
79.90
79.88
79.86
79.84
79.82
79.80
0
10
20
30
40
Scan

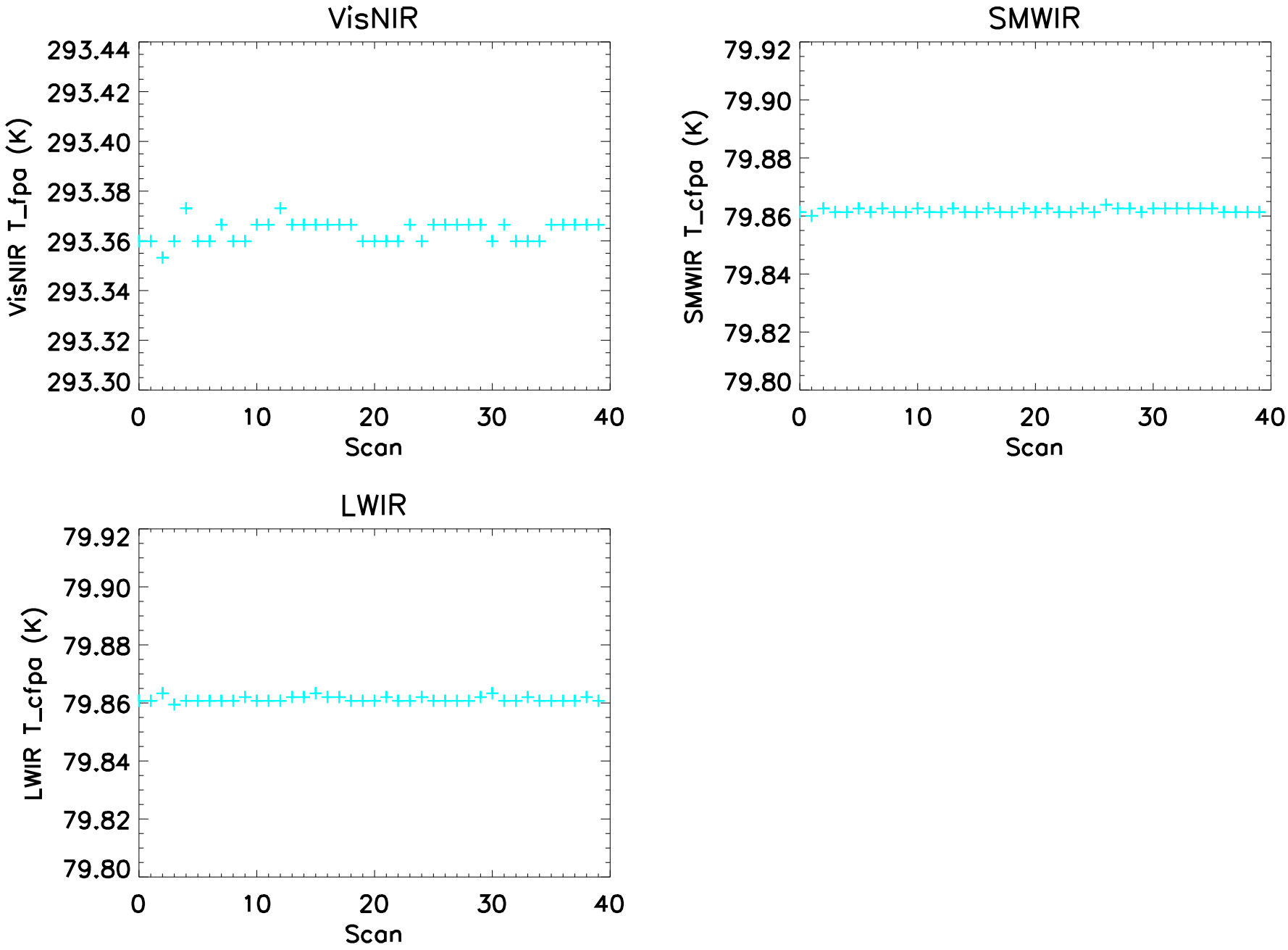

T_cpfa vs Scan: Collect=2
VisNIR
VisNIR T_fpa (K)
293.40
293.38
293.36
293.34
293.32
293.30
293.28
293.26
0
10
20
30
40
Scan
SMWIR
SMWIR T_cfpa (K)
79.92
79.90
79.88
79.86
79.84
79.82
79.80
0
10
20
30
40
Scan
LWIR
LWIR T_cfpa (K)
79.92
79.90
79.88
79.86
79.84
79.82
79.80
0
10
20
30
40
Scan

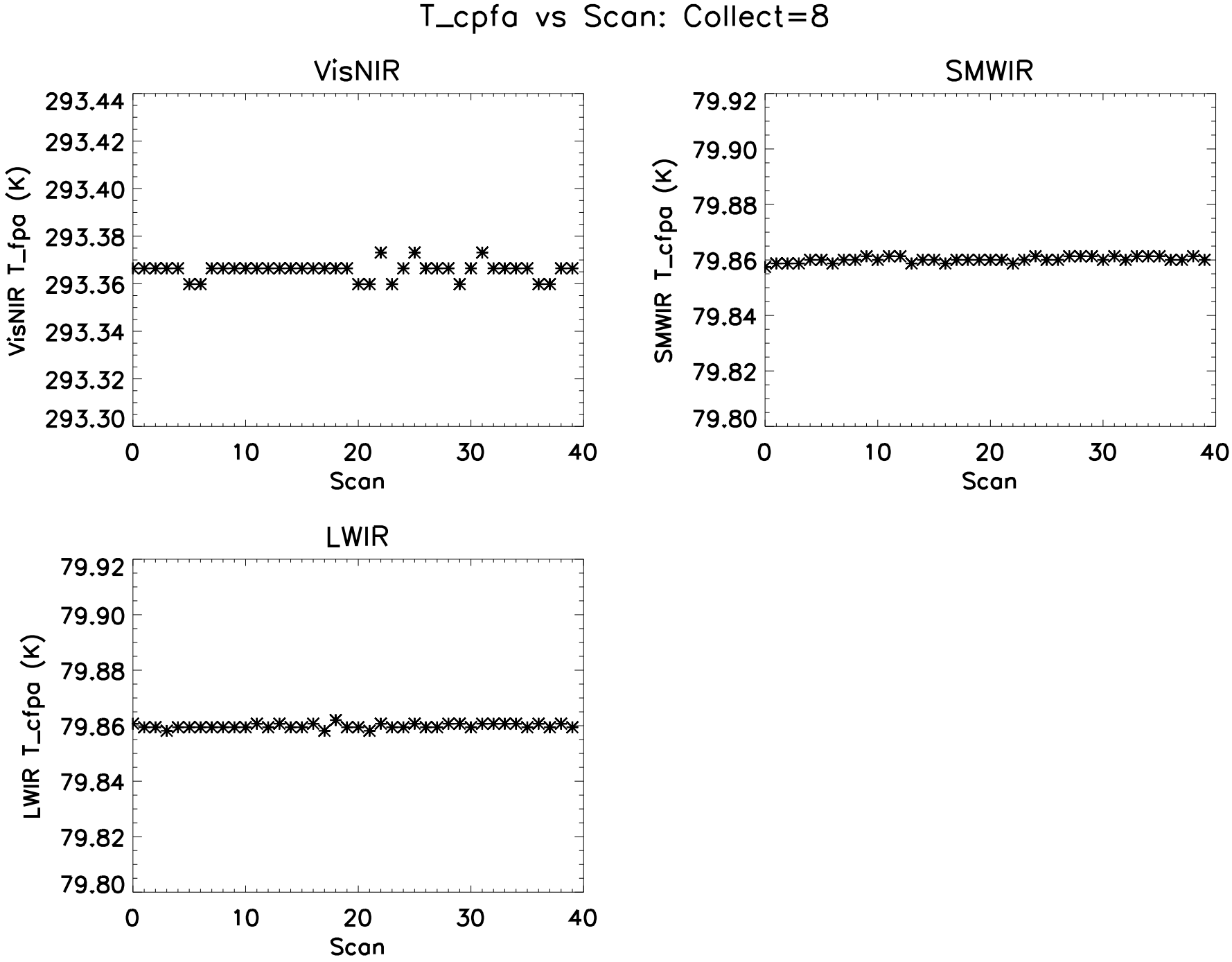

T_cpfa vs Scan: Collect=3
VisNIR
VisNIR T_fpa (K)
293.40
293.38
293.36
293.34
293.32
293.30
293.28
0
10
20
30
40
Scan
SMWIR
SMWIR T_cfpa (K)
79.92
79.90
79.88
79.86
79.84
79.82
79.80
0
10
20
30
40
Scan
LWIR
LWIR T_cfpa (K)
79.92
79.90
79.88
79.86
79.84
79.82
79.80
0
10
20
30
40
Scan

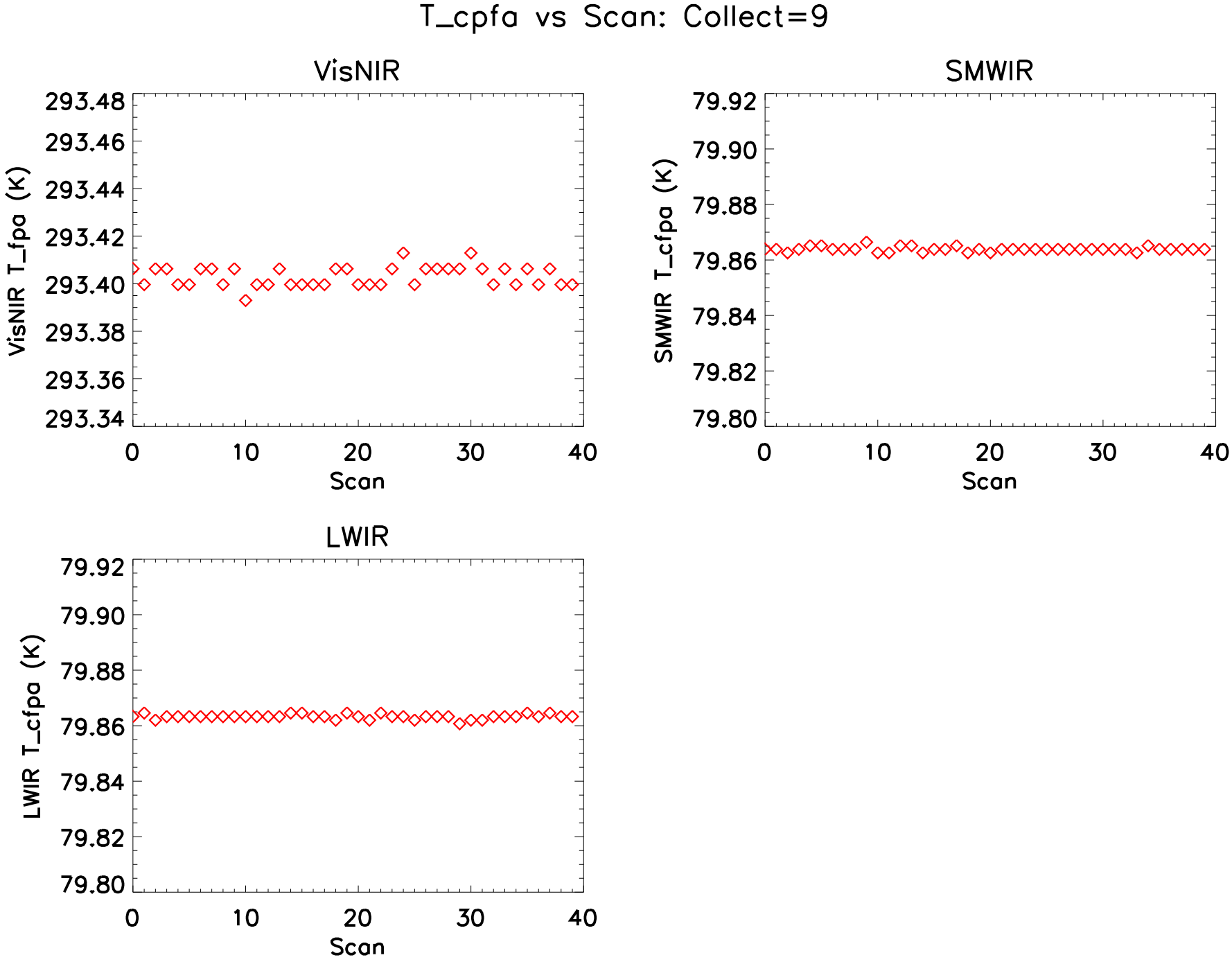

T_cpfa vs Scan: Collect=4
VisNIR
VisNIR T_fpa (K)
293.40
293.38
293.36
293.34
293.32
293.30
293.28
0
10
20
30
40
Scan
SMWIR
SMWIR T_cfpa (K)
79.92
79.90
79.88
79.86
79.84
79.82
79.80
0
10
20
30
40
Scan
LWIR
LWIR T_cfpa (K)
79.92
79.90
79.88
79.86
79.84
79.82
79.80
0
10
20
30
40
Scan

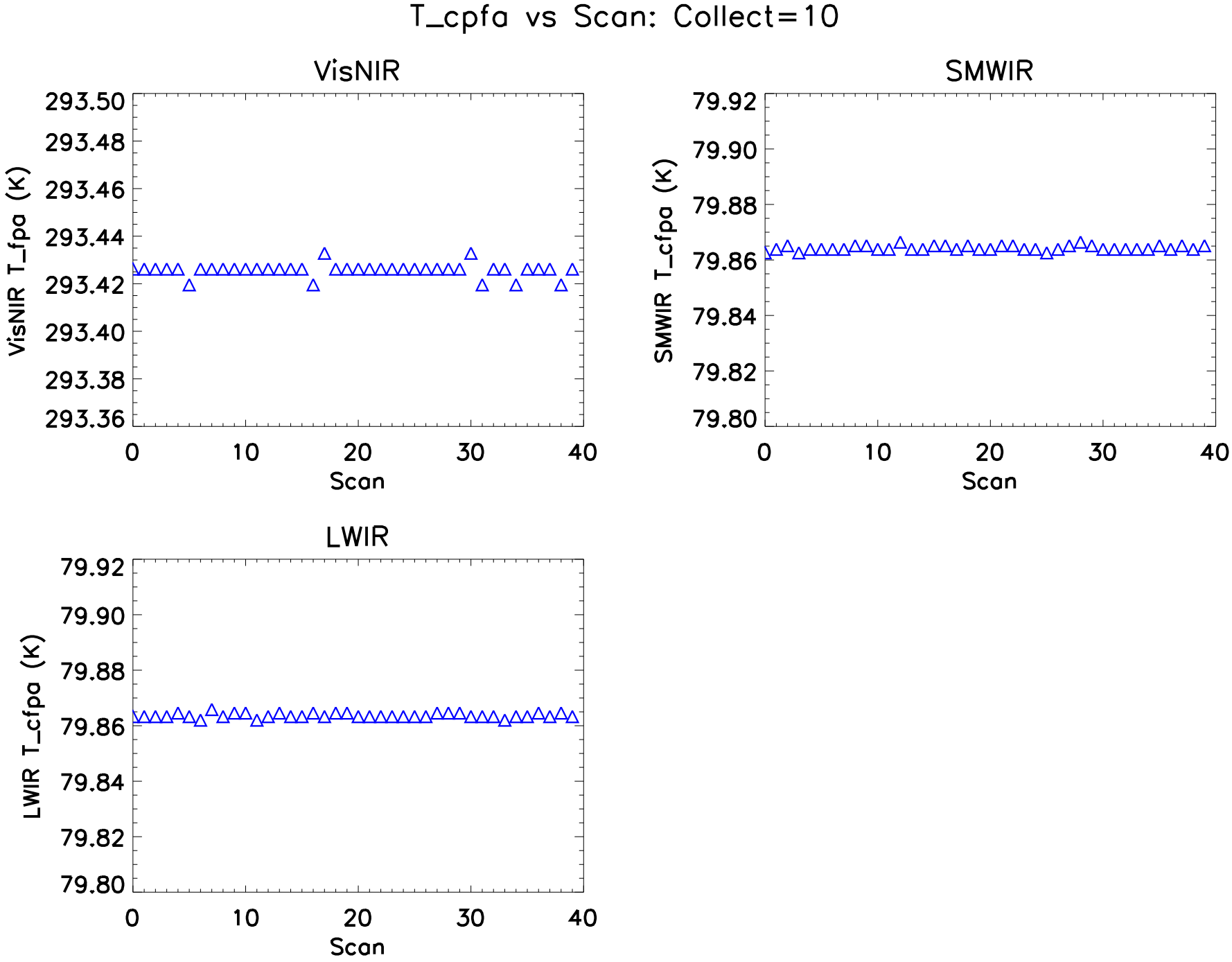

T_cpfa vs Scan: Collect=5
VisNIR
VisNIR T_fpa (K)
293.42
293.40
293.38
293.36
293.34
293.32
293.30
293.28
0
10
20
30
40
Scan
SMWIR
SMWIR T_cfpa (K)
79.92
79.90
79.88
79.86
79.84
79.82
79.80
0
10
20
30
40
Scan
LWIR
LWIR T_cfpa (K)
79.92
79.90
79.88
79.86
79.84
79.82
79.80
0
10
20
30
40
Scan

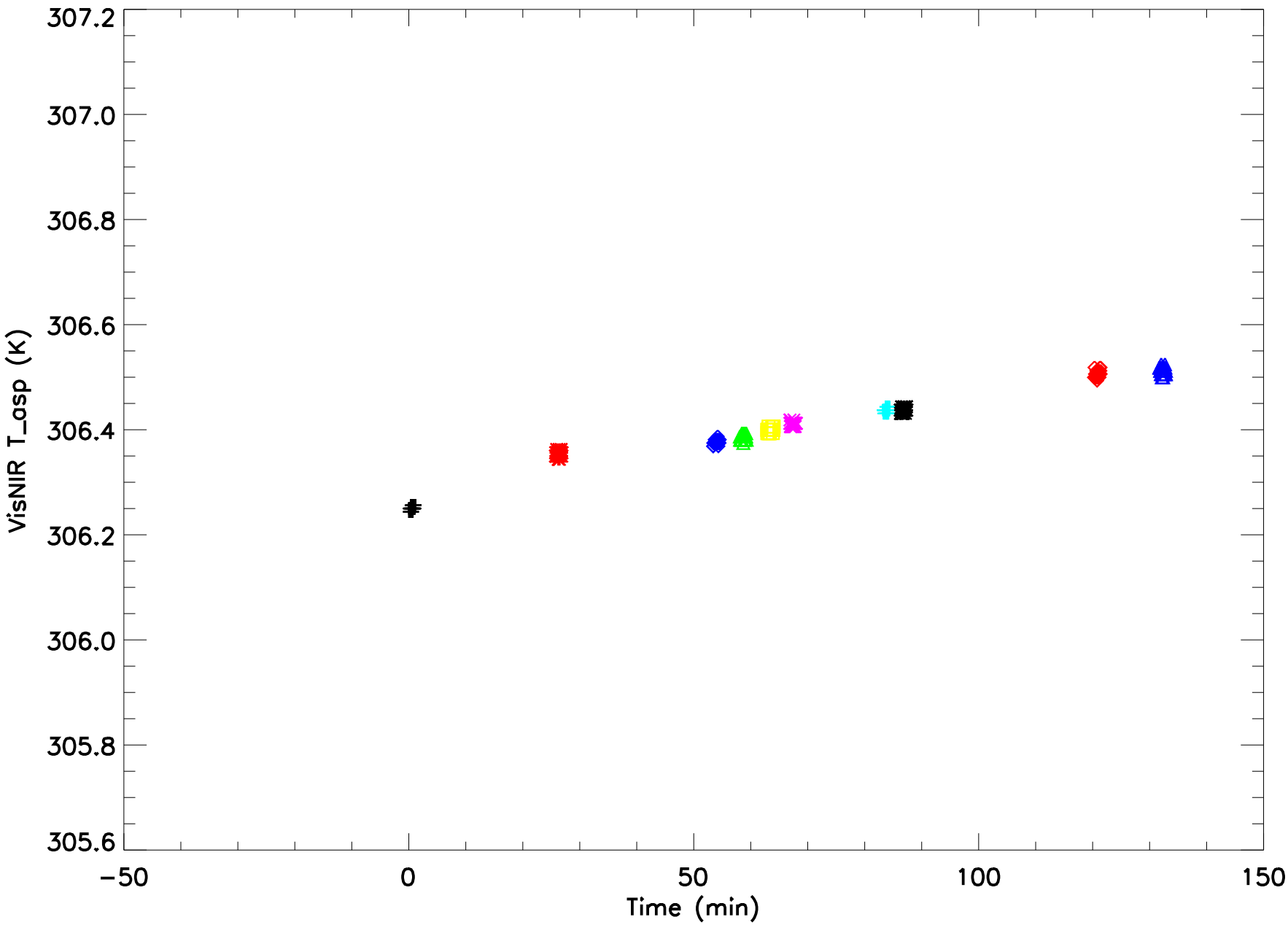

T_cpfa vs Scan: Collect=6
VisNIR
VisNIR T_fpa (K)
293.42
293.40
293.38
293.36
293.34
293.32
293.30
293.28
0
10
20
30
40
Scan
SMWIR
SMWIR T_cfpa (K)
79.92
79.90
79.88
79.86
79.84
79.82
79.80
0
10
20
30
40
Scan
LWIR
LWIR T_cfpa (K)
79.92
79.90
79.88
79.86
79.84
79.82
79.80
0
10
20
30
40
Scan

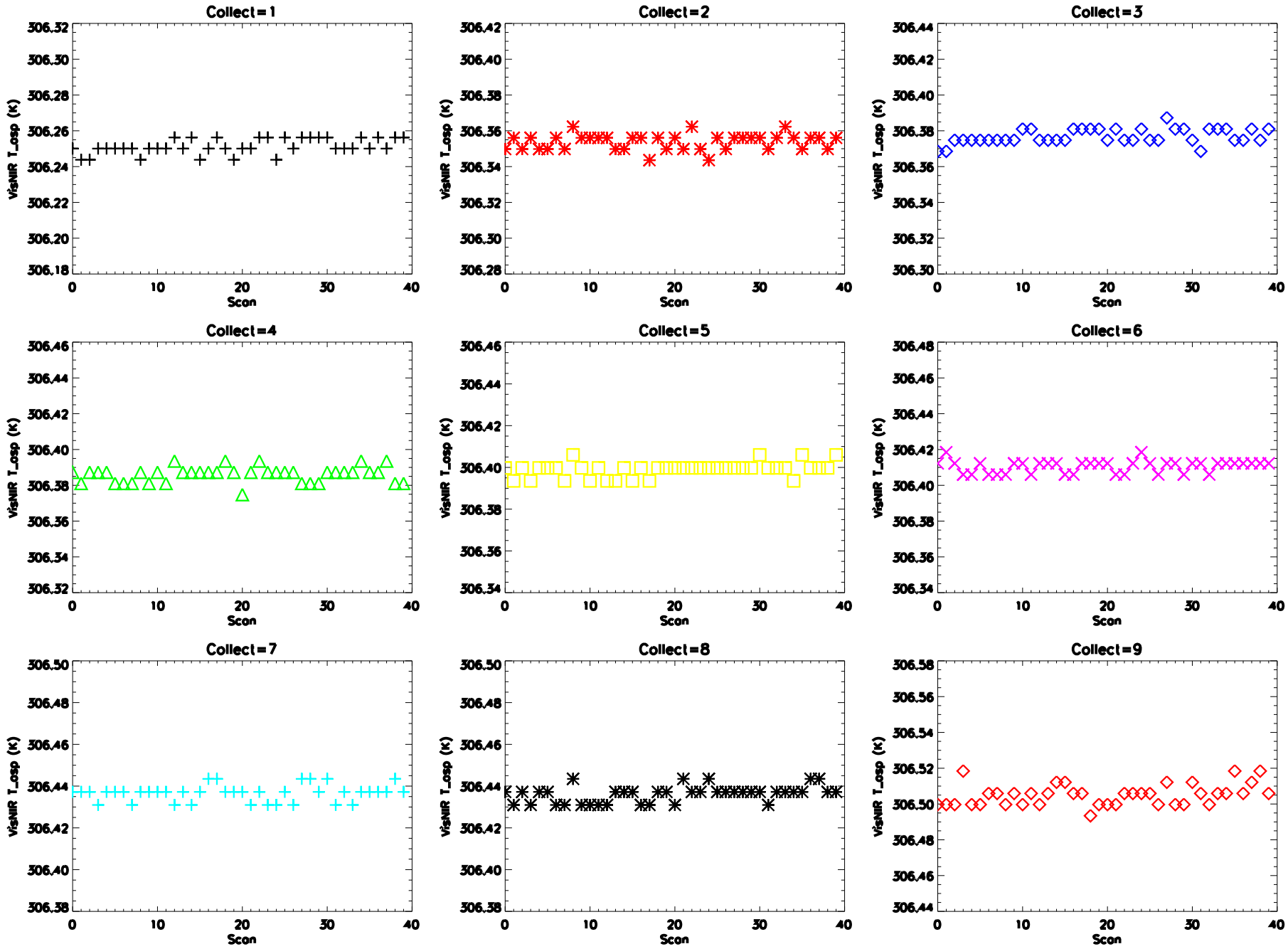

T_cpfa vs Scan: Collect=7
VisNIR
VisNIR T_fpa (K)
293.44
293.42
293.40
293.38
293.36
293.34
293.32
293.30
0
10
20
30
40
Scan
SMWIR
SMWIR T_cfpa (K)
79.92
79.90
79.88
79.86
79.84
79.82
79.80
0
10
20
30
40
Scan
LWIR
LWIR T_cfpa (K)
79.92
79.90
79.88
79.86
79.84
79.82
79.80
0
10
20
30
40
Scan


T_cpfa vs Scan: Collect=8
VisNIR
VisNIR T_fpa (K)
293.44
293.42
293.40
293.38
293.36
293.34
293.32
293.30
0
10
20
30
40
Scan
SMWIR
SMWIR T_cfpa (K)
79.92
79.90
79.88
79.86
79.84
79.82
79.80
0
10
20
30
40
Scan
LWIR
LWIR T_cfpa (K)
79.92
79.90
79.88
79.86
79.84
79.82
79.80
0
10
20
30
40
Scan

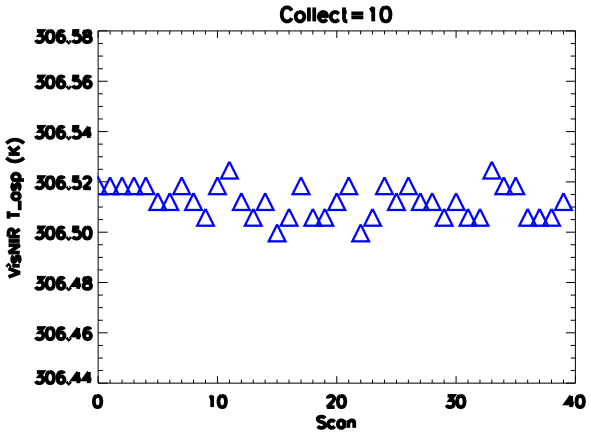

T_cpfa vs Scan: Collect=9
VisNIR
VisNIR T_fpa (K)
293.48
293.46
293.44
293.42
293.40
293.38
293.36
293.34
0
10
20
30
40
Scan
SMWIR
SMWIR T_cfpa (K)
79.92
79.90
79.88
79.86
79.84
79.82
79.80
0
10
20
30
40
Scan
LWIR
LWIR T_cfpa (K)
79.92
79.90
79.88
79.86
79.84
79.82
79.80
0
10
20
30
40
Scan

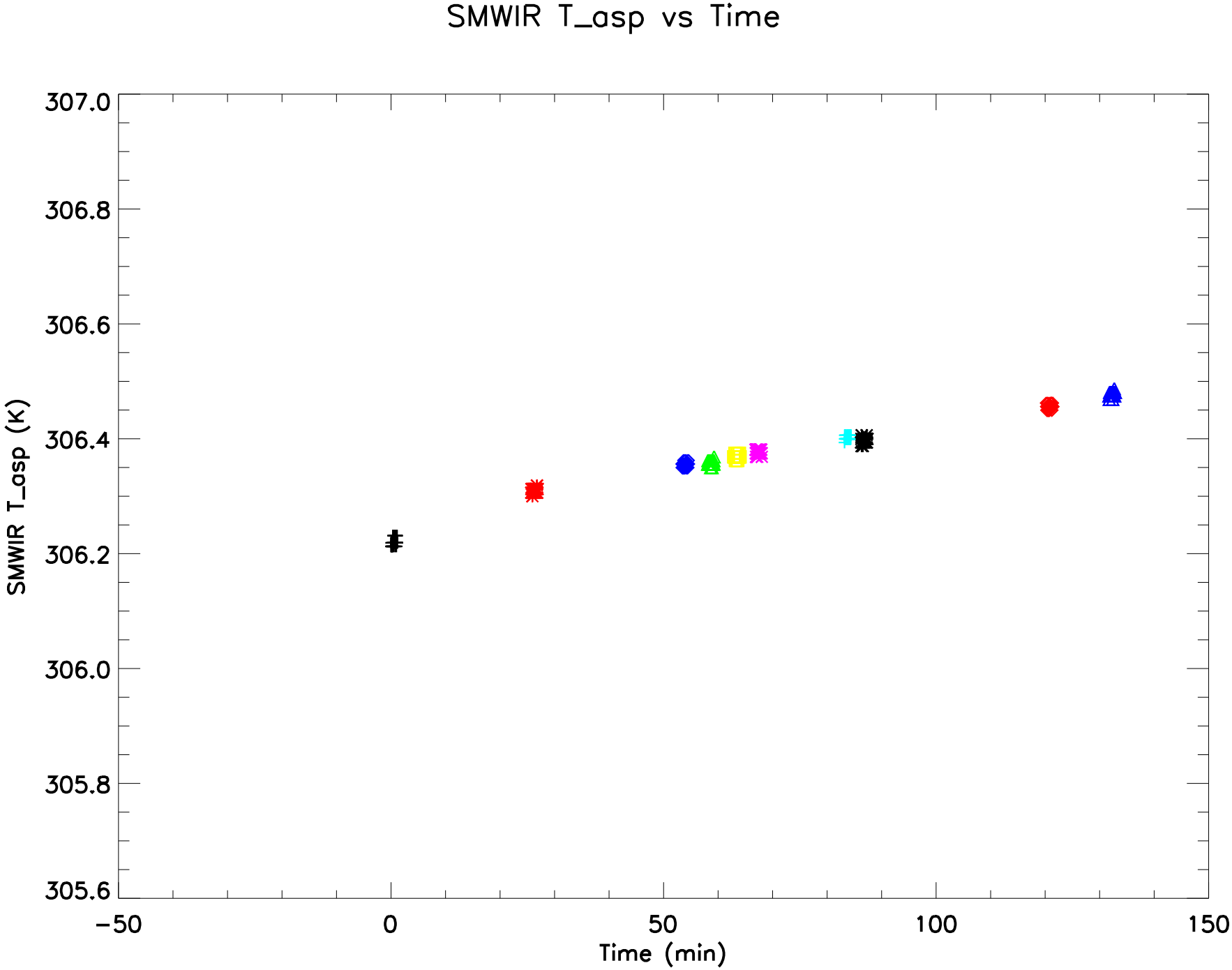

T_cpfa vs Scan: Collect=10
VisNIR
VisNIR T_fpa (K)
293.50
293.48
293.46
293.44
293.42
293.40
293.38
293.36
0
10
20
30
40
Scan
SMWIR
SMWIR T_cfpa (K)
79.92
79.90
79.88
79.86
79.84
79.82
79.80
0
10
20
30
40
Scan
LWIR
LWIR T_cfpa (K)
79.92
79.90
79.88
79.86
79.84
79.82
79.80
0
10
20
30
40
Scan

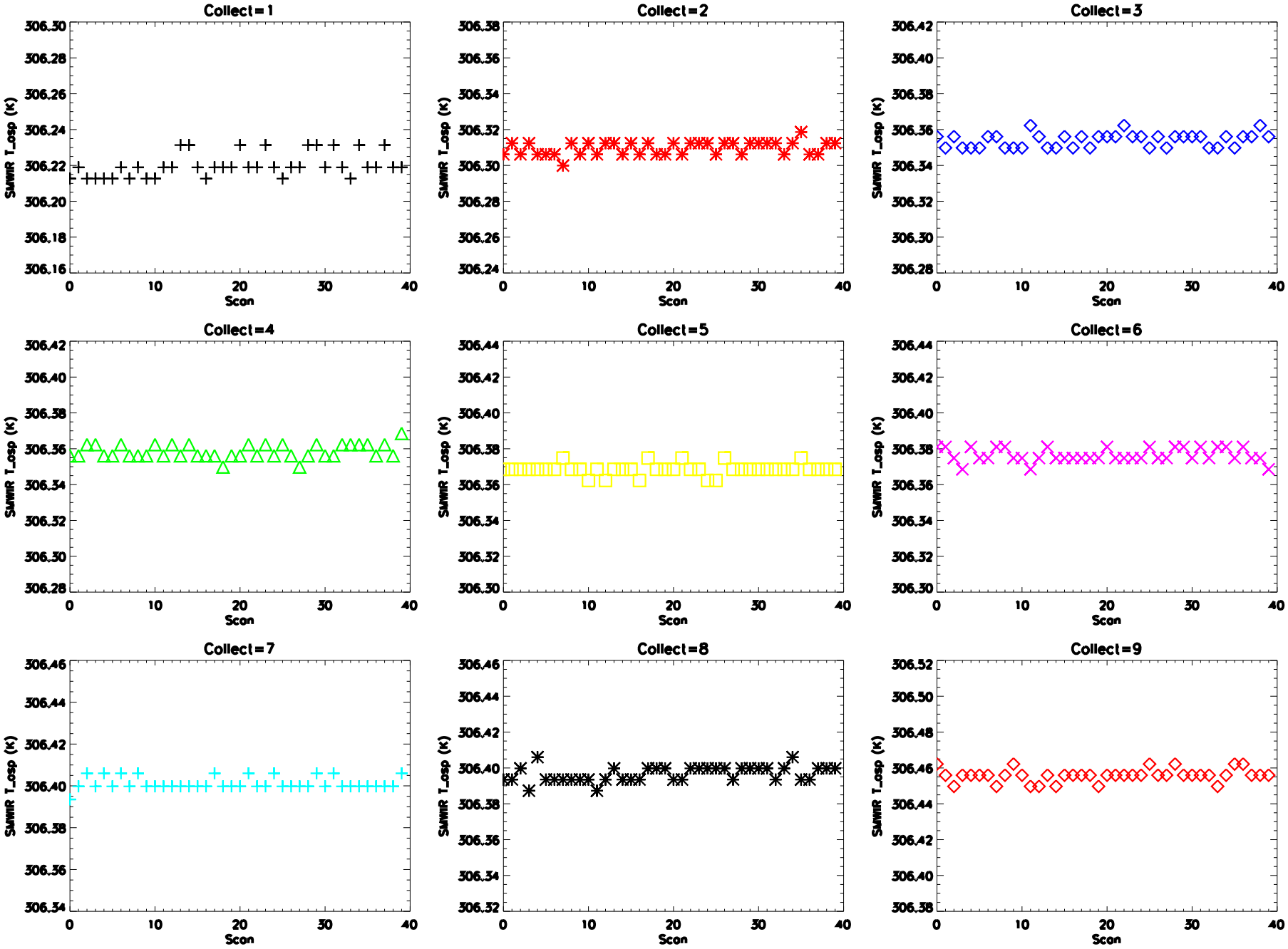

VisNIR T_asp vs Time
VisNIR T_asp (K)
307.2
307.0
306.8
306.6
306.4
306.2
306.0
305.8
305.6
−50
0
50
100
150
Time (min)


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

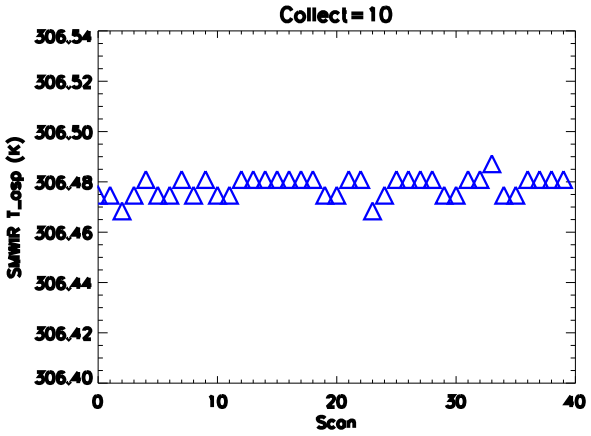
VisNIR T_asp vs Scan

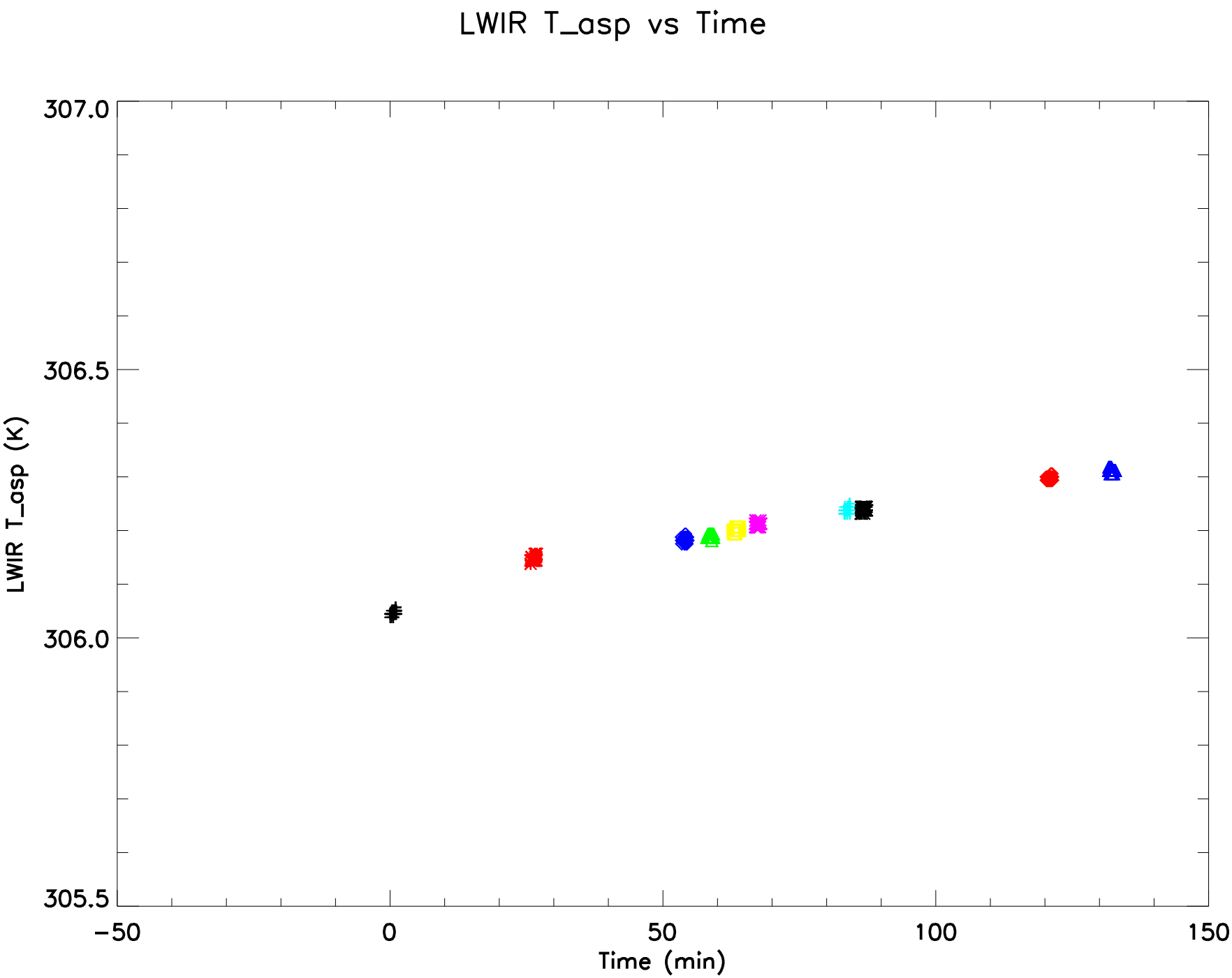


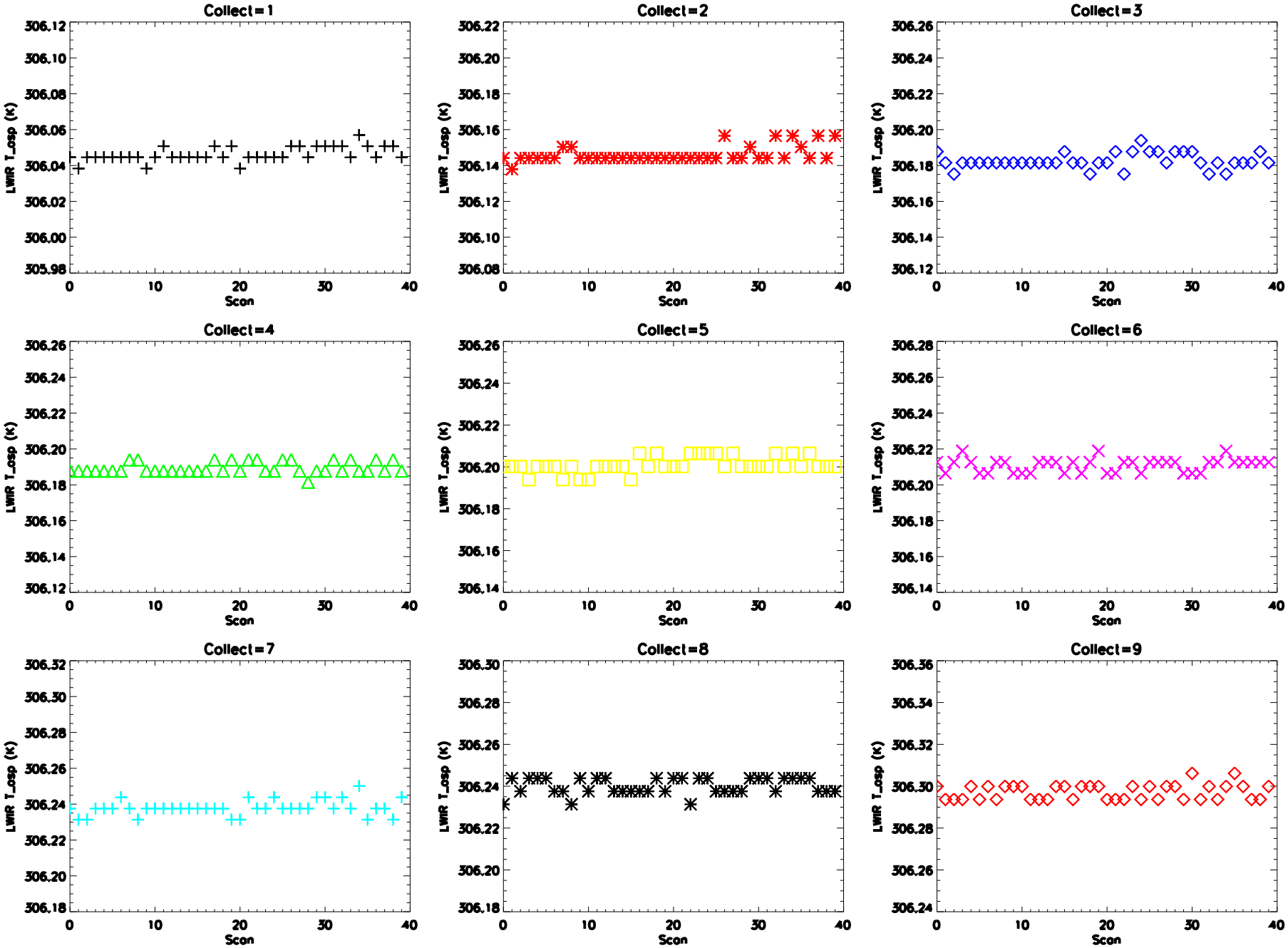

SMWIR T_asp vs Time
307.0
306.8
306.6
306.4
306.2
306.0
305.8
305.6
SMWIR T_asp (K)
−50
0
50
100
150
Time (min)


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

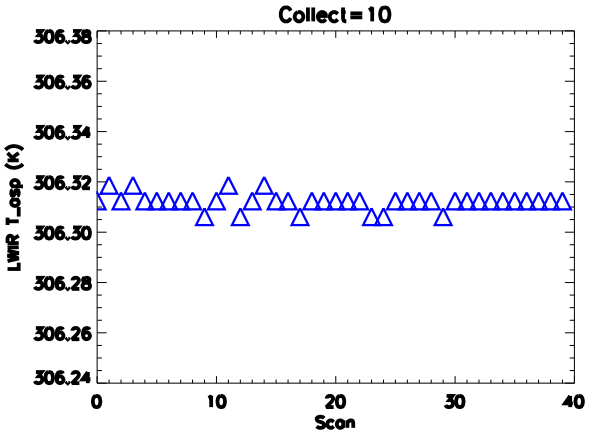
SMWIR T_asp vs Scan

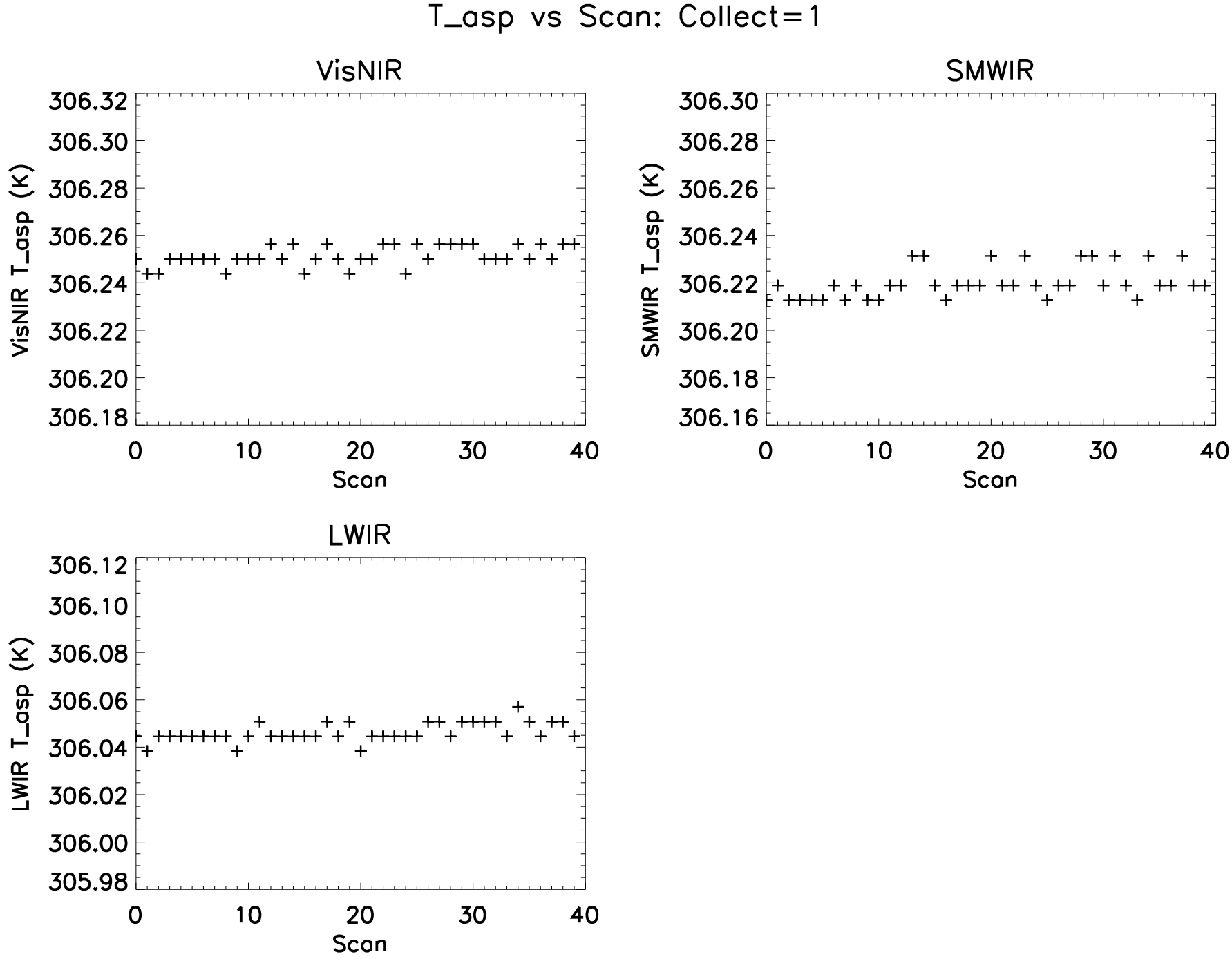


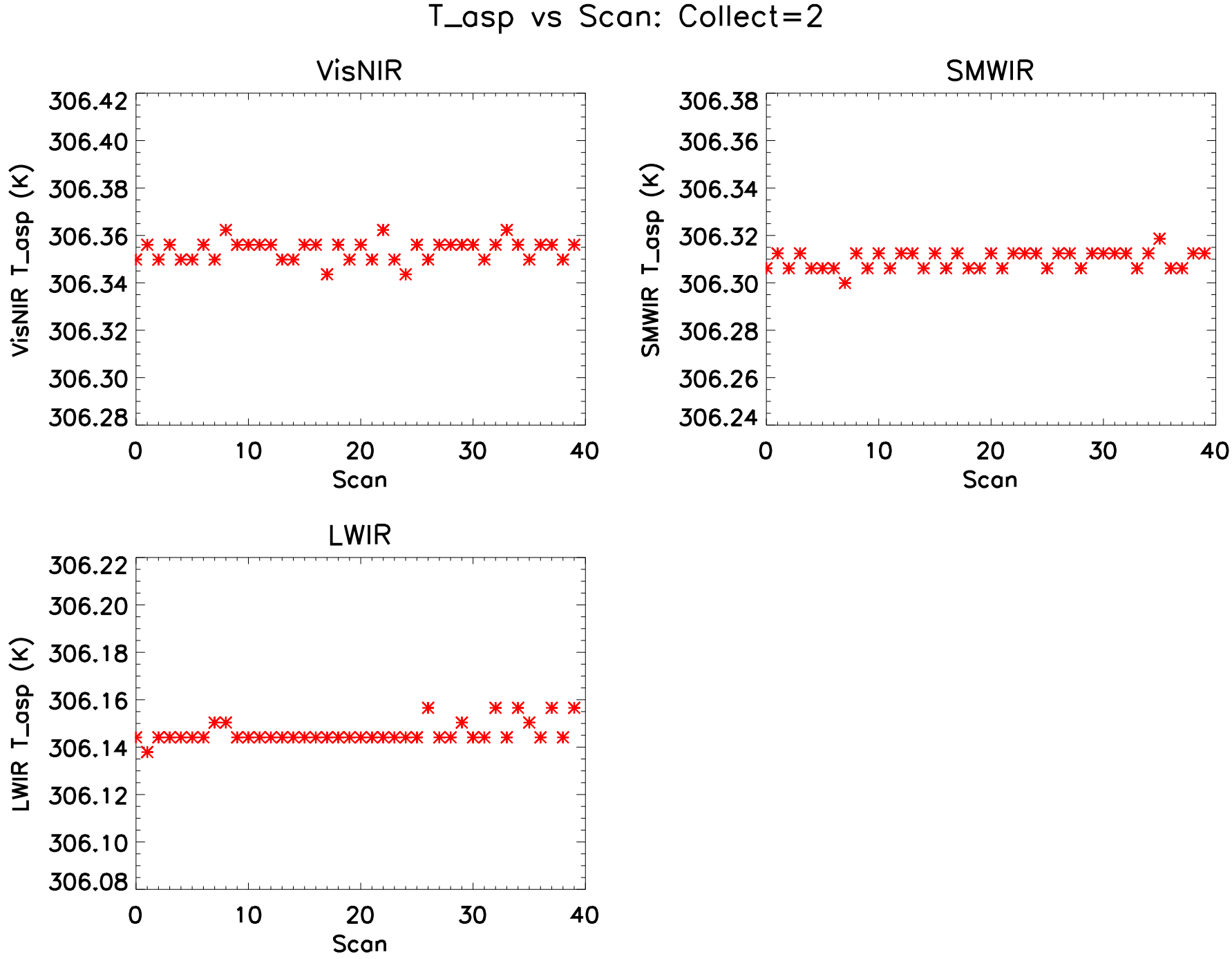

LWIR T_asp vs Time
307.0
306.5
306.0
305.5
LWIR T_asp (K)
−50
0
50
100
150
Time (min)

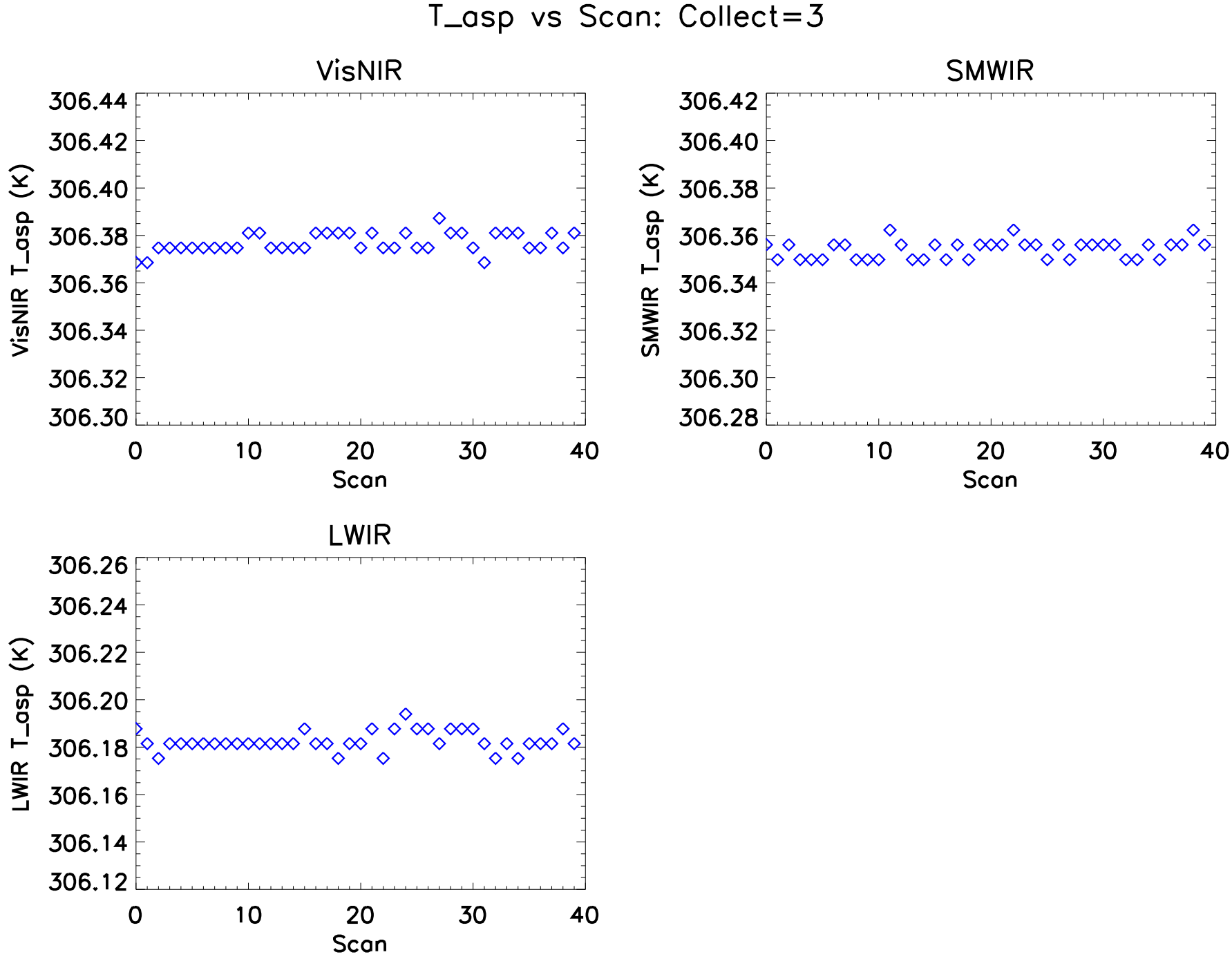

Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
LWIR T_osp (K)
Scan

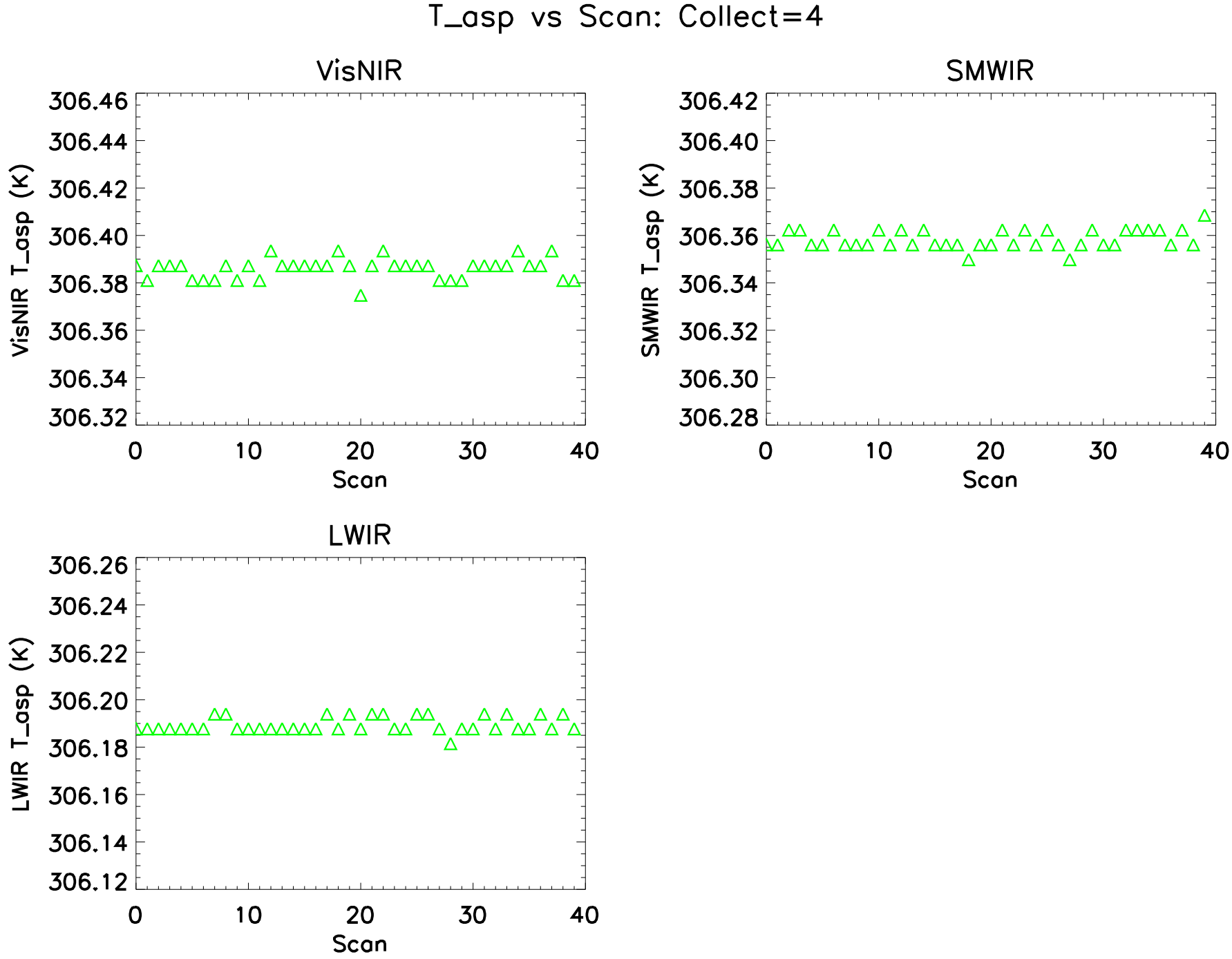
LWIR T_asp vs Scan

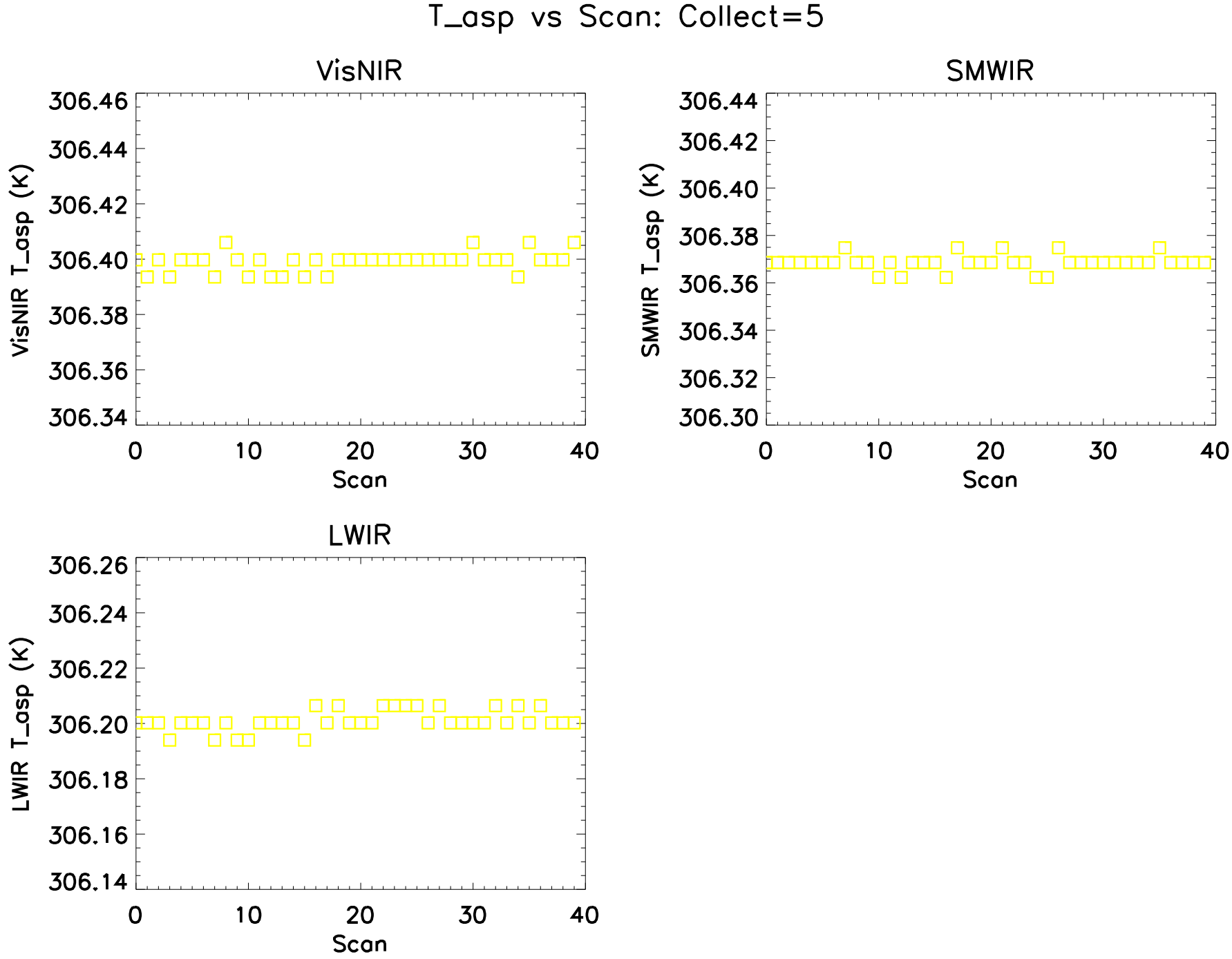


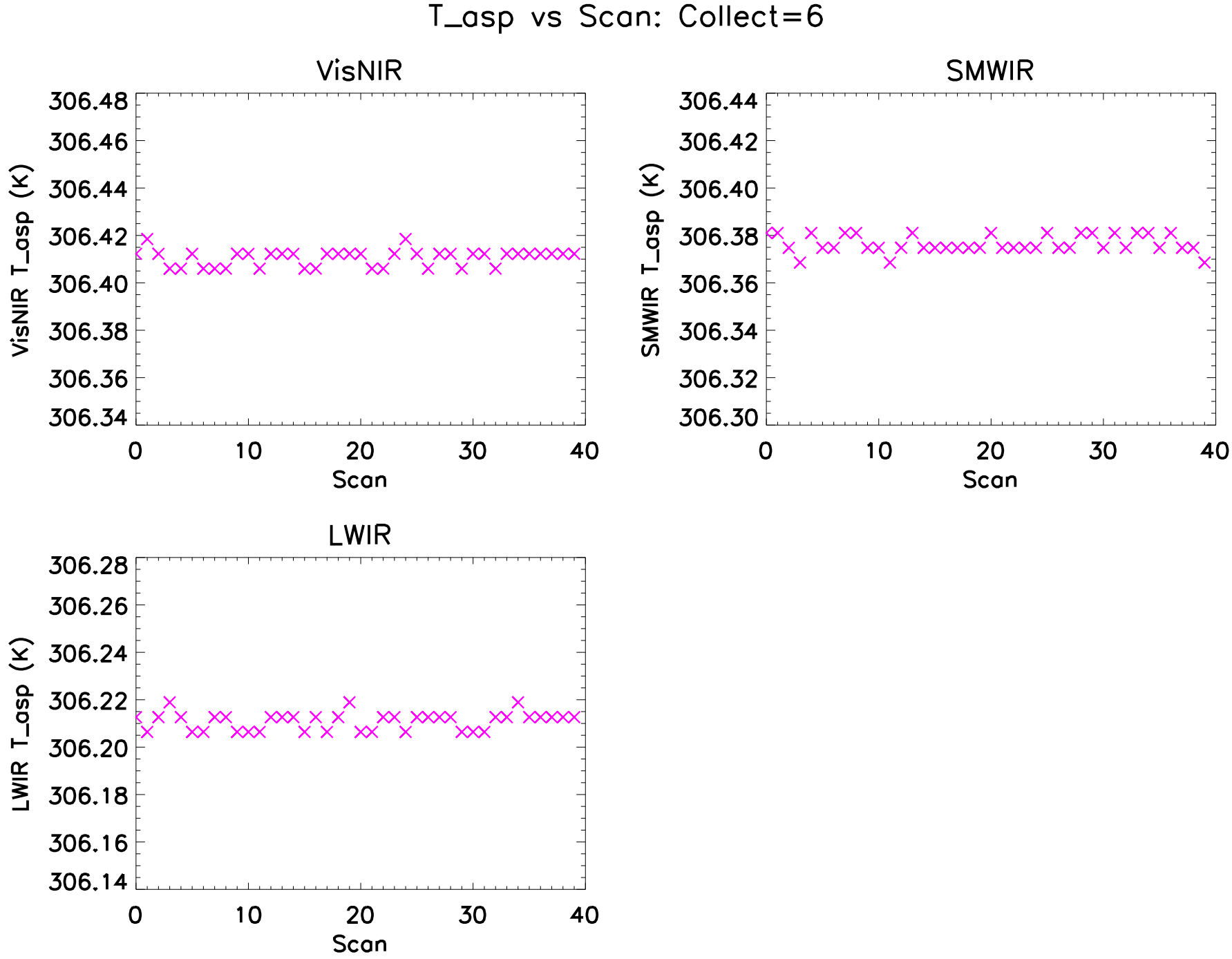

T_asp vs Scan: Collect=1
VisNIR
VisNIR T_asp (K)
306.32
306.30
306.28
306.26
306.24
306.22
306.20
306.18
0
10
20
30
40
Scan
SMWIR
SMWIR T_asp (K)
306.30
306.28
306.26
306.24
306.22
306.20
306.18
306.16
0
10
20
30
40
Scan
LWIR
LWIR T_asp (K)
306.12
306.10
306.08
306.06
306.04
306.02
306.00
305.98
0
10
20
30
40
Scan

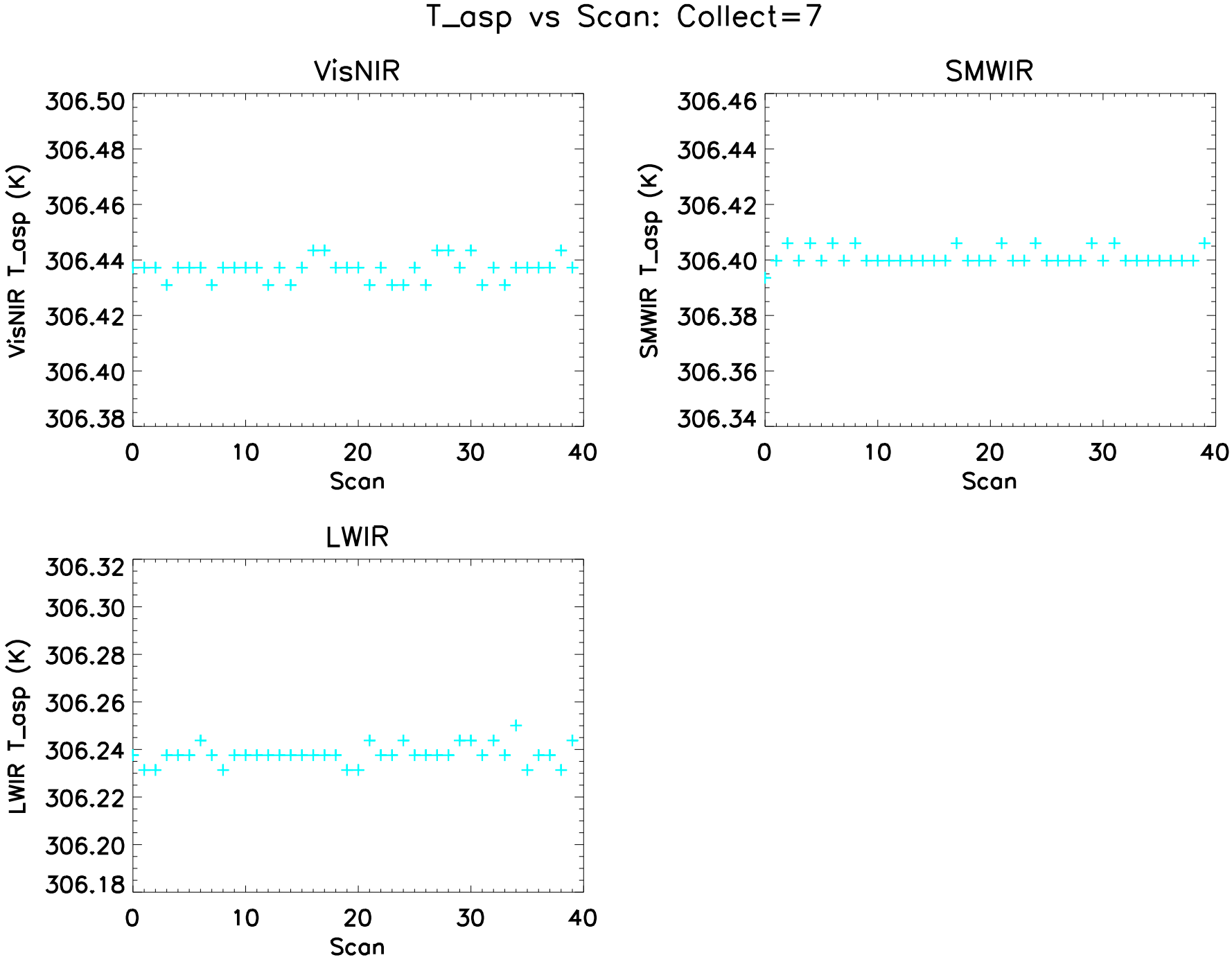

T_asp vs Scan: Collect=2
VisNIR
VisNIR T_asp (K)
306.42
306.40
306.38
306.36
306.34
306.32
306.30
306.28
0
10
20
30
40
Scan
SMWIR
SMWIR T_asp (K)
306.38
306.36
306.34
306.32
306.30
306.28
306.26
306.24
0
10
20
30
40
Scan
LWIR
LWIR T_asp (K)
306.22
306.20
306.18
306.16
306.14
306.12
306.10
306.08
0
10
20
30
40
Scan

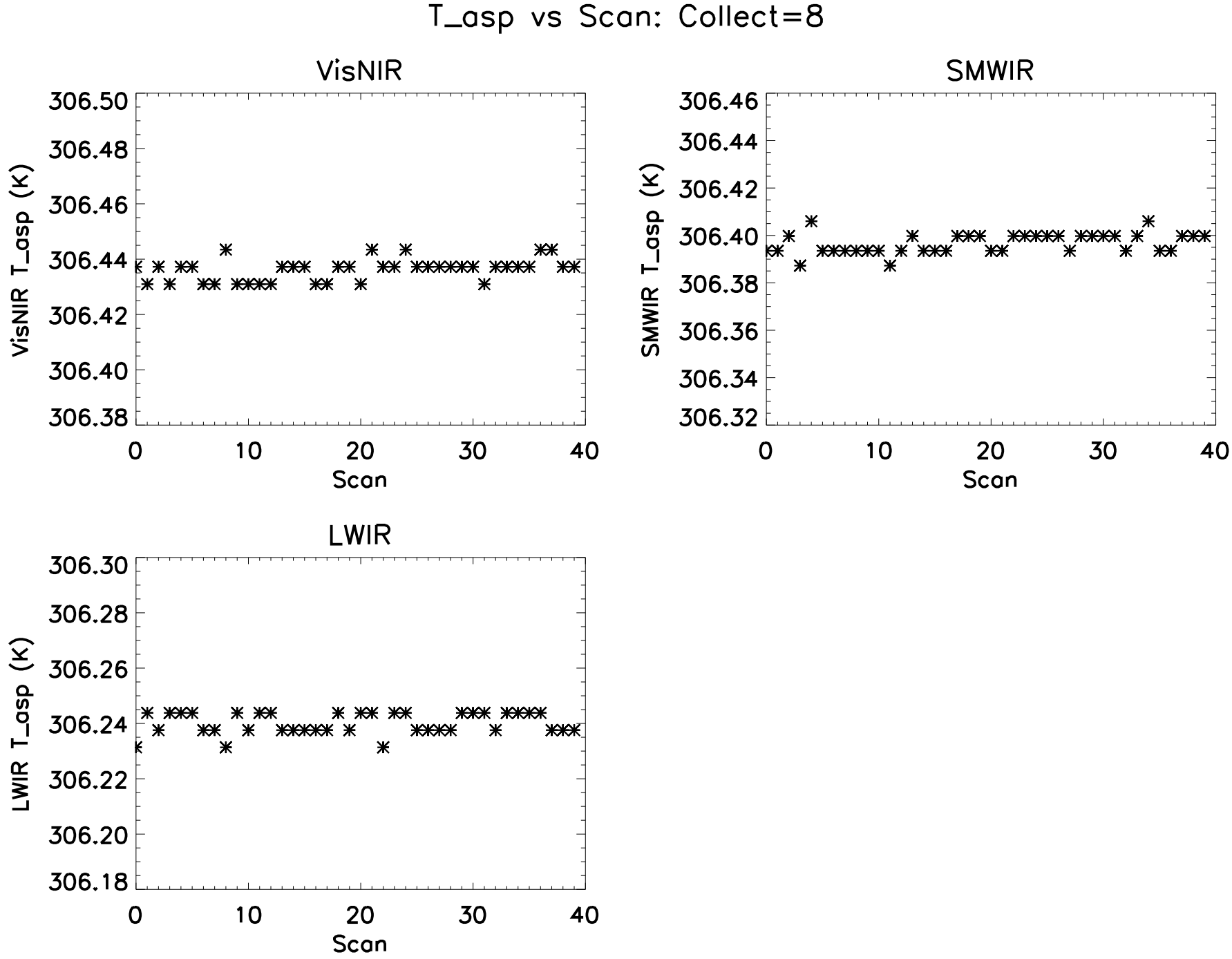

T_asp vs Scan: Collect=3
VisNIR
VisNIR T_asp (K)
306.44
306.42
306.40
306.38
306.36
306.34
306.32
306.30
0
10
20
30
40
Scan
SMWIR
SMWIR T_asp (K)
306.42
306.40
306.38
306.36
306.34
306.32
306.30
306.28
0
10
20
30
40
Scan
LWIR
LWIR T_asp (K)
306.26
306.24
306.22
306.20
306.18
306.16
306.14
306.12
0
10
20
30
40
Scan

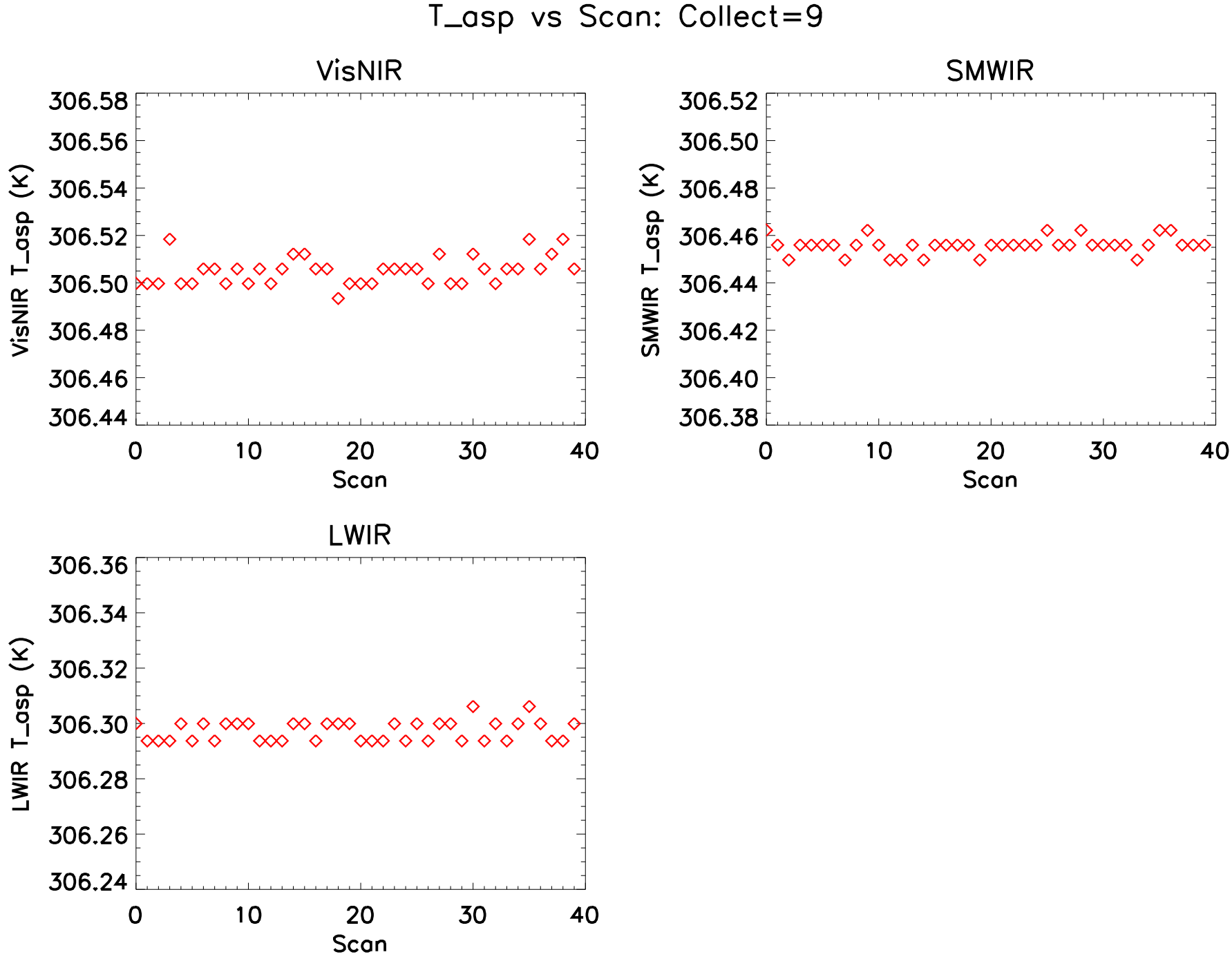

T_asp vs Scan: Collect=4
VisNIR
VisNIR T_asp (K)
306.46
306.44
306.42
306.40
306.38
306.36
306.34
306.32
0
10
20
30
40
Scan
SMWIR
SMWIR T_asp (K)
306.42
306.40
306.38
306.36
306.34
306.32
306.30
306.28
0
10
20
30
40
Scan
LWIR
LWIR T_asp (K)
306.26
306.24
306.22
306.20
306.18
306.16
306.14
306.12
0
10
20
30
40
Scan

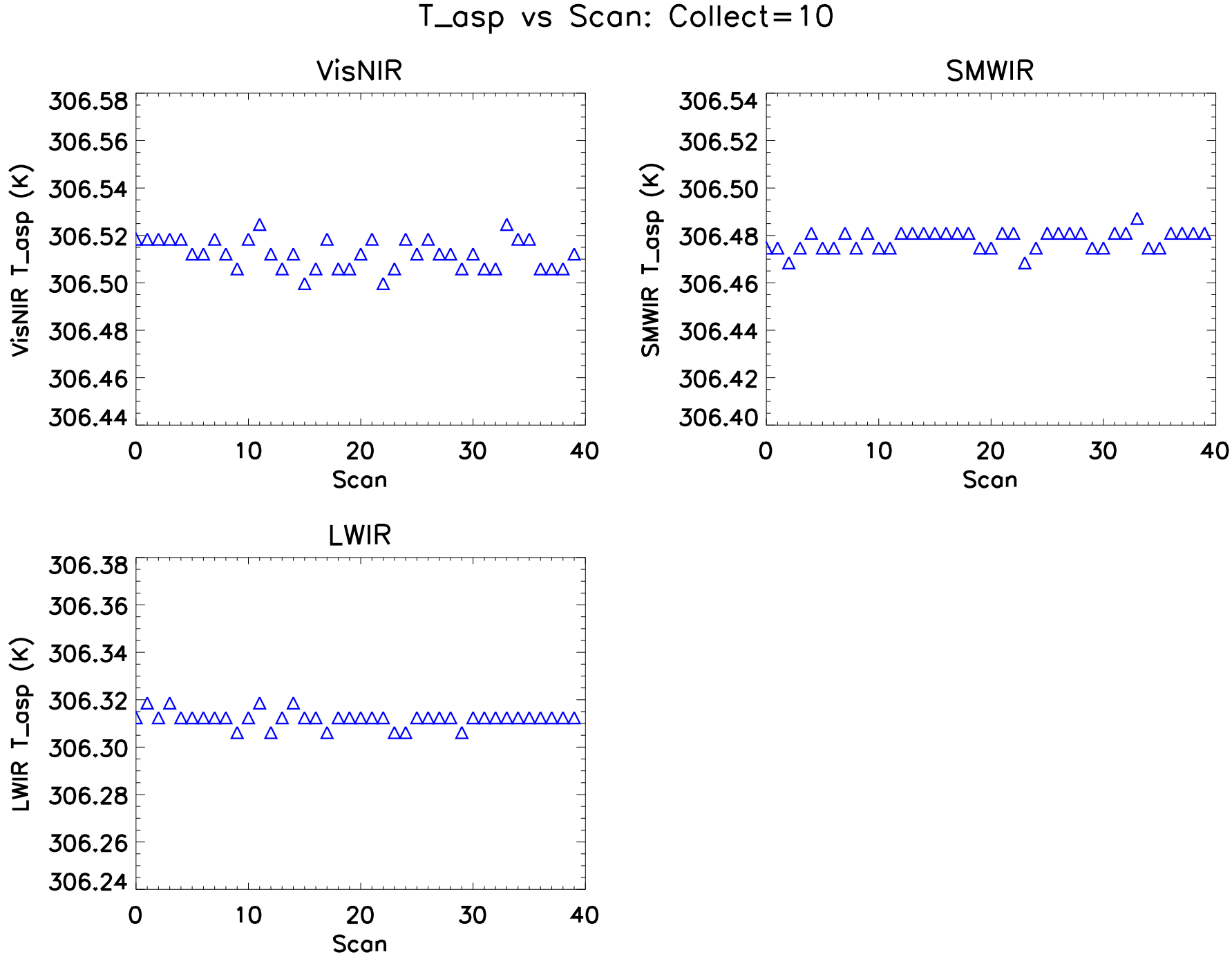

T_asp vs Scan: Collect=5
VisNIR
VisNIR T_asp (K)
306.46
306.44
306.42
306.40
306.38
306.36
306.34
0
10
20
30
40
Scan
SMWIR
SMWIR T_asp (K)
306.44
306.42
306.40
306.38
306.36
306.34
306.32
306.30
0
10
20
30
40
Scan
LWIR
LWIR T_asp (K)
306.26
306.24
306.22
306.20
306.18
306.16
306.14
0
10
20
30
40
Scan

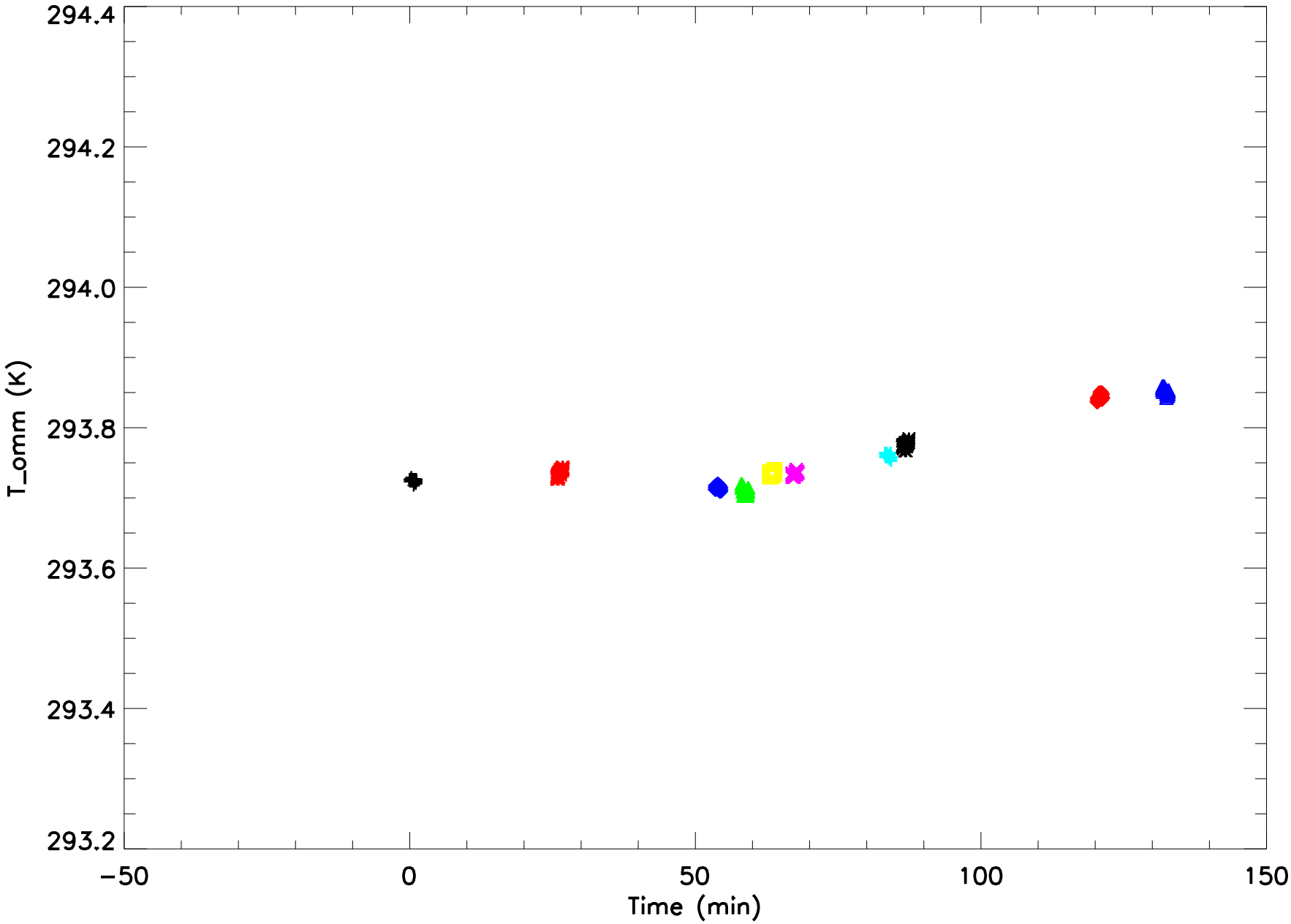

T_asp vs Scan: Collect=6
VisNIR
VisNIR T_asp (K)
306.48
306.46
306.44
306.42
306.40
306.38
306.36
306.34
0
10
20
30
40
Scan
SMWIR
SMWIR T_asp (K)
306.44
306.42
306.40
306.38
306.36
306.34
306.32
306.30
0
10
20
30
40
Scan
LWIR
LWIR T_asp (K)
306.28
306.26
306.24
306.22
306.20
306.18
306.16
306.14
0
10
20
30
40
Scan


T_asp vs Scan: Collect=7
VisNIR
VisNIR T_asp (K)
306.50
306.48
306.46
306.44
306.42
306.40
306.38
0
10
20
30
40
Scan
SMWIR
SMWIR T_asp (K)
306.46
306.44
306.42
306.40
306.38
306.36
306.34
0
10
20
30
40
Scan
LWIR
LWIR T_asp (K)
306.32
306.30
306.28
306.26
306.24
306.22
306.20
306.18
0
10
20
30
40
Scan

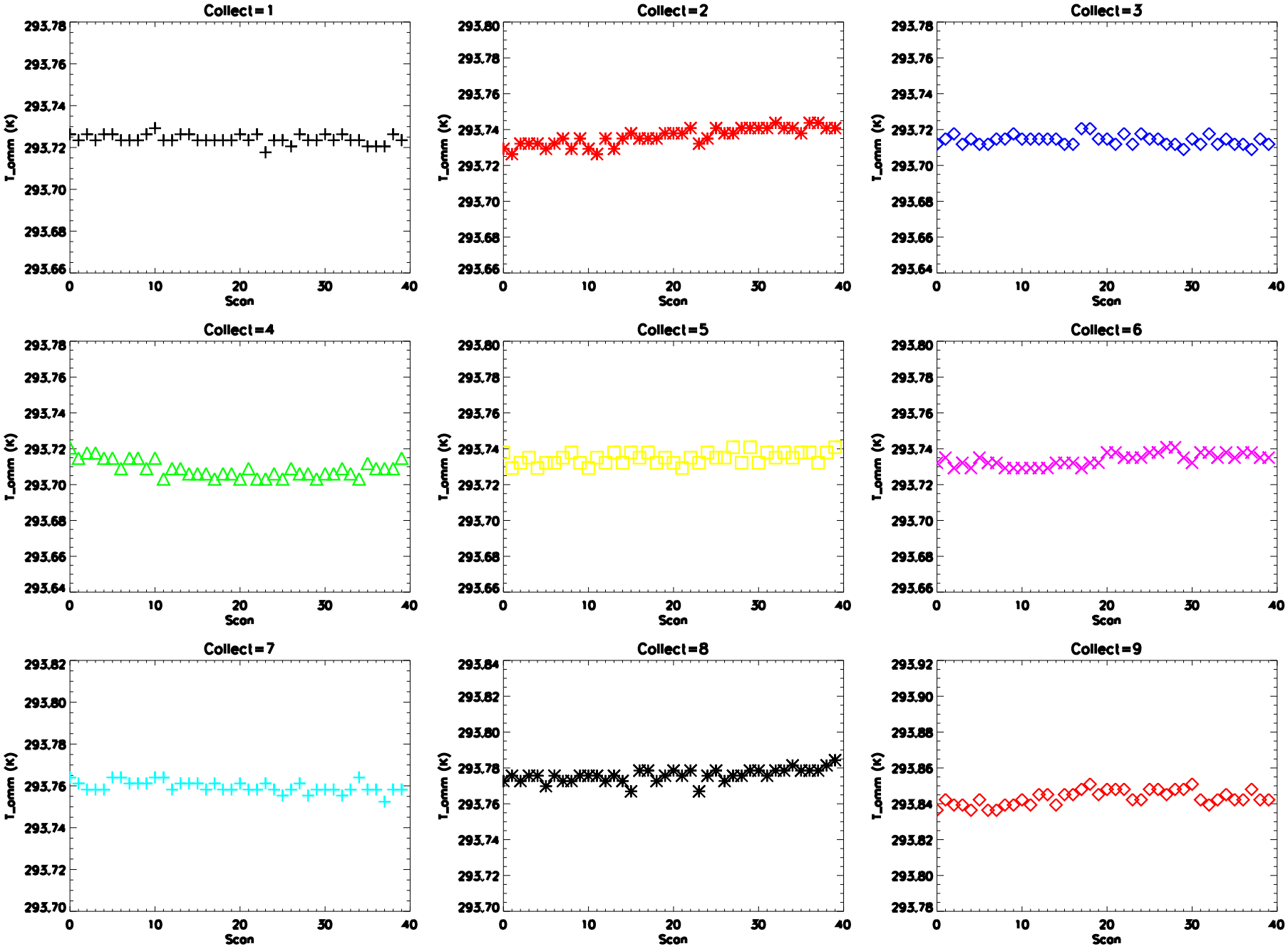

T_asp vs Scan: Collect=8
VisNIR
VisNIR T_asp (K)
306.50
306.48
306.46
306.44
306.42
306.40
306.38
0
10
20
30
40
Scan
SMWIR
SMWIR T_asp (K)
306.46
306.44
306.42
306.40
306.38
306.36
306.34
306.32
0
10
20
30
40
Scan
LWIR
LWIR T_asp (K)
306.30
306.28
306.26
306.24
306.22
306.20
306.18
0
10
20
30
40
Scan


T_asp vs Scan: Collect=9
VisNIR
VisNIR T_asp (K)
306.58
306.56
306.54
306.52
306.50
306.48
306.46
306.44
0
10
20
30
40
Scan
SMWIR
SMWIR T_asp (K)
306.52
306.50
306.48
306.46
306.44
306.42
306.40
306.38
0
10
20
30
40
Scan
LWIR
LWIR T_asp (K)
306.36
306.34
306.32
306.30
306.28
306.26
306.24
0
10
20
30
40
Scan

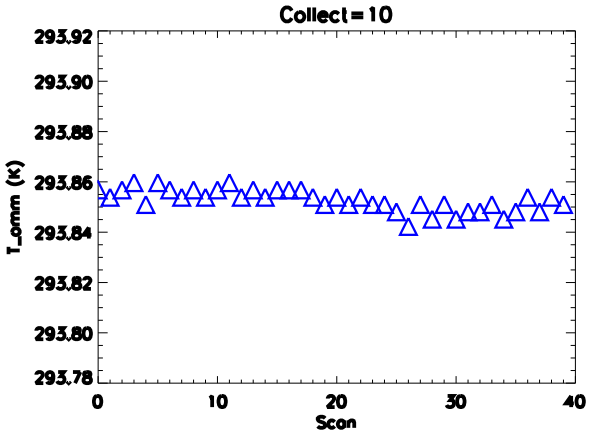

T_asp vs Scan: Collect=10
VisNIR
VisNIR T_asp (K)
306.58
306.56
306.54
306.52
306.50
306.48
306.46
306.44
0
10
20
30
40
Scan
SMWIR
SMWIR T_asp (K)
306.54
306.52
306.50
306.48
306.46
306.44
306.42
306.40
0
10
20
30
40
Scan
LWIR
LWIR T_asp (K)
306.38
306.36
306.34
306.32
306.30
306.28
306.26
306.24
0
10
20
30
40
Scan


T_omm vs Time
294.4
294.2
294.0
293.8
293.6
293.4
293.2
T_omm (K)
−50
0
50
100
150
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
293.92
293.90
293.88
293.86
293.84
293.82
293.80
293.78
T_omm (K)
0
10
20
30
40
Scan