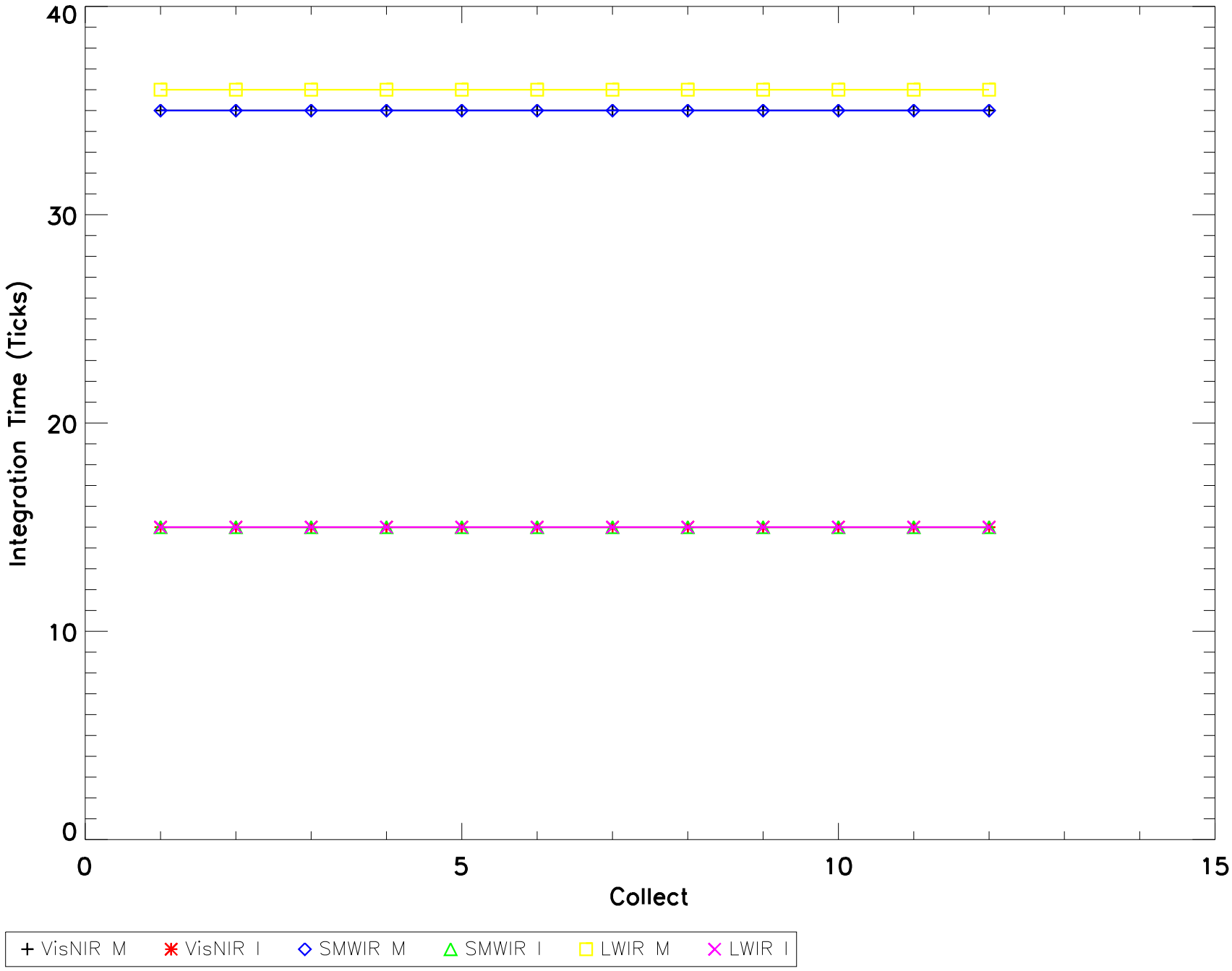
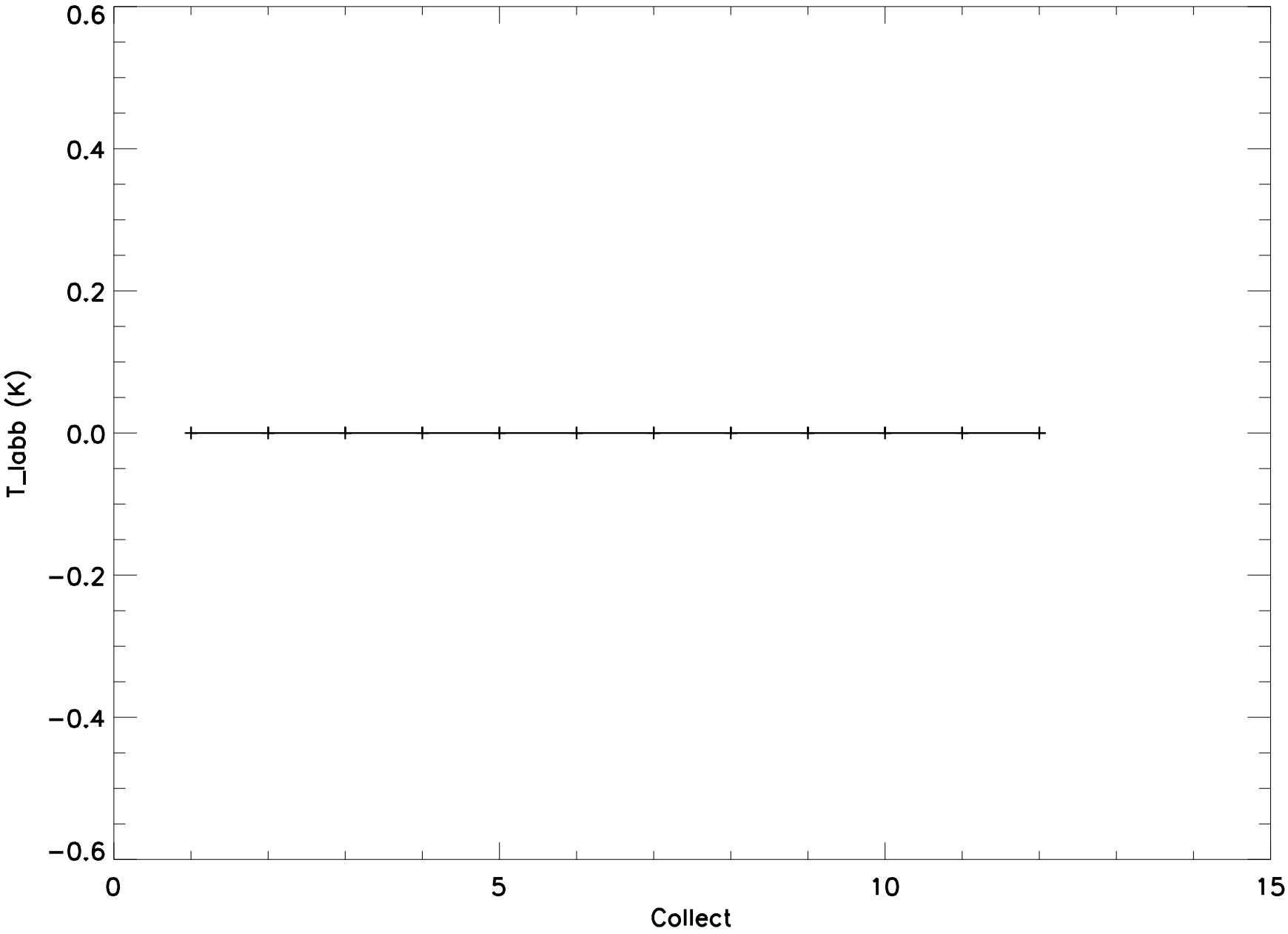
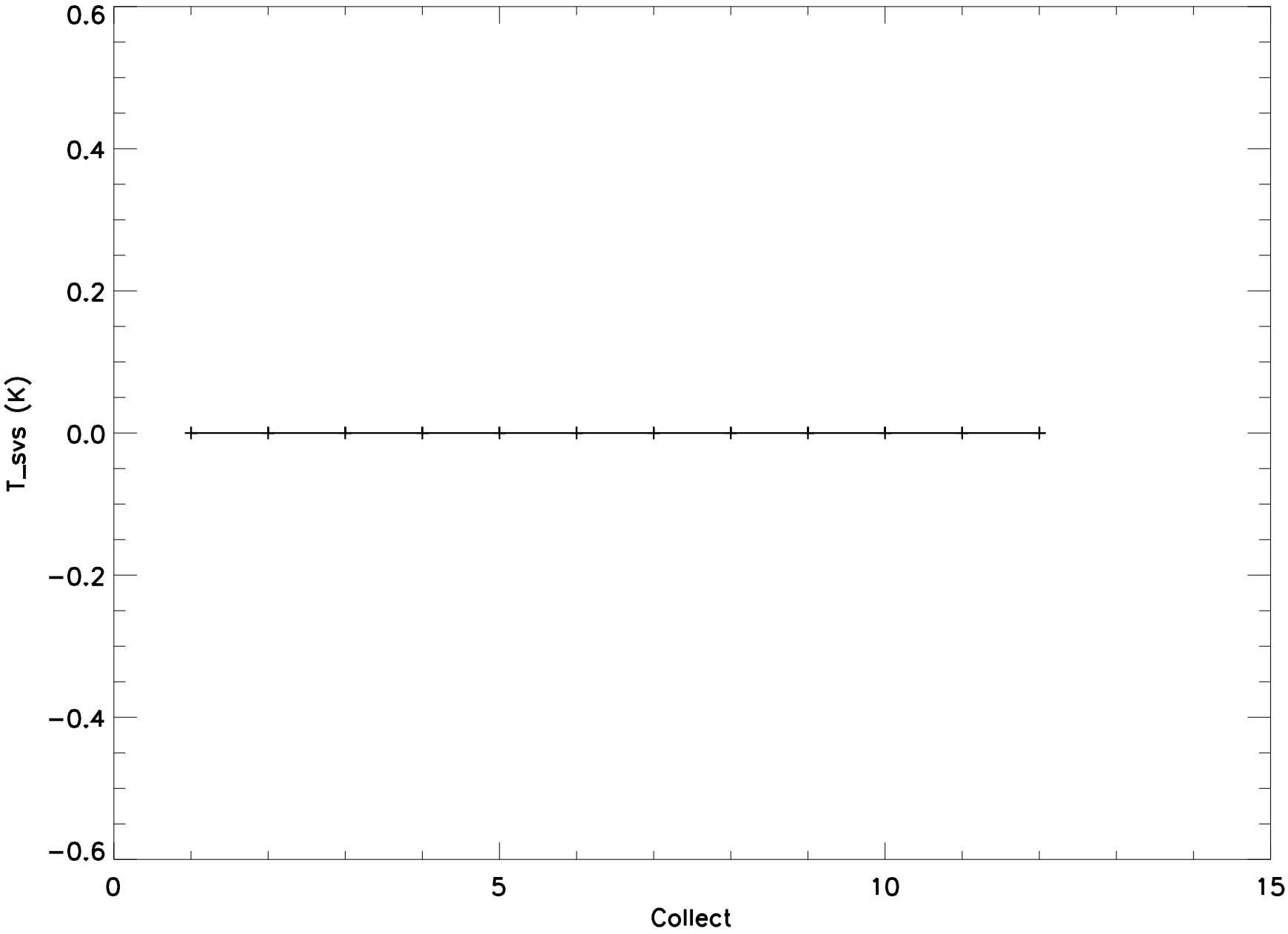
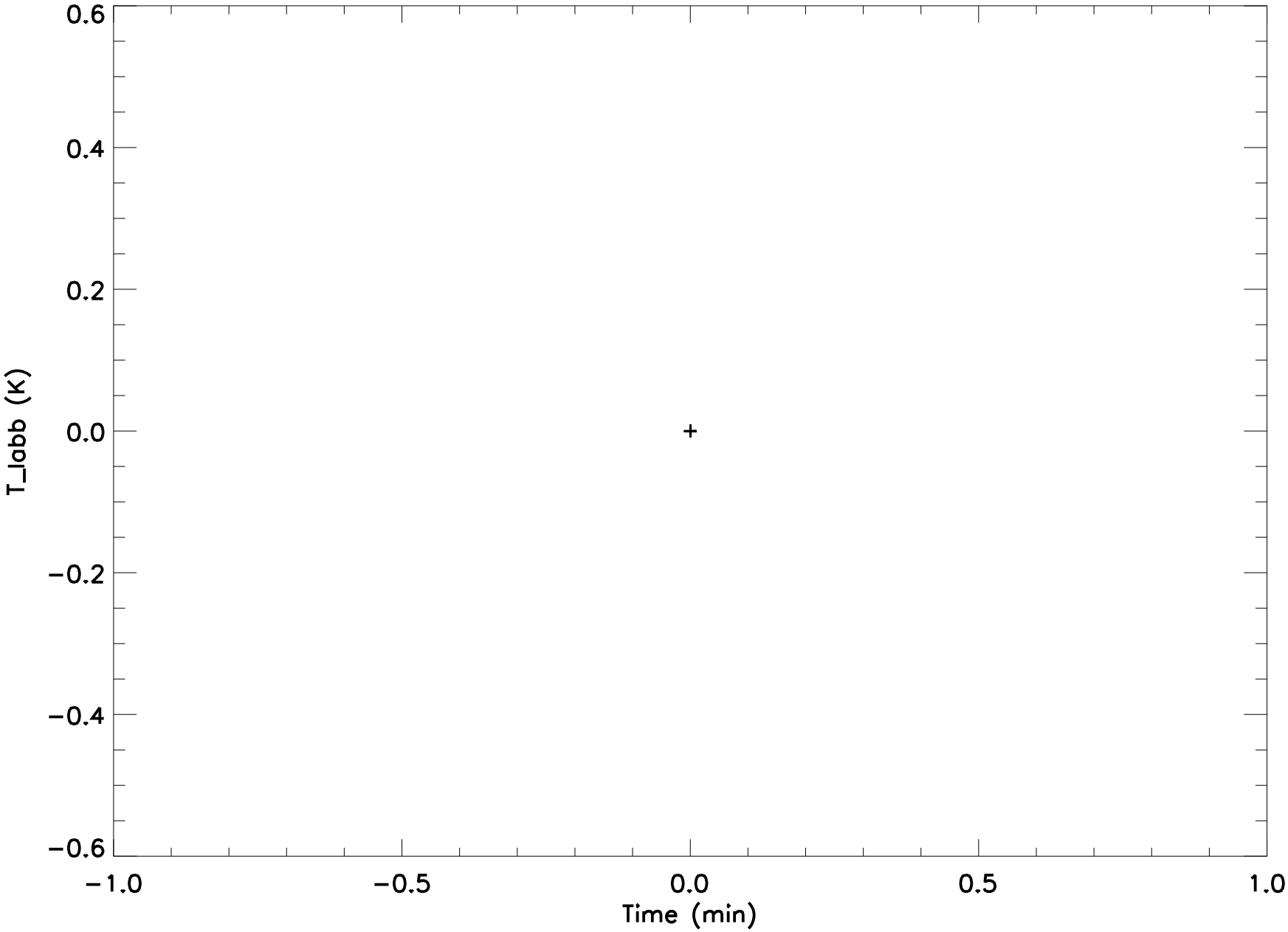
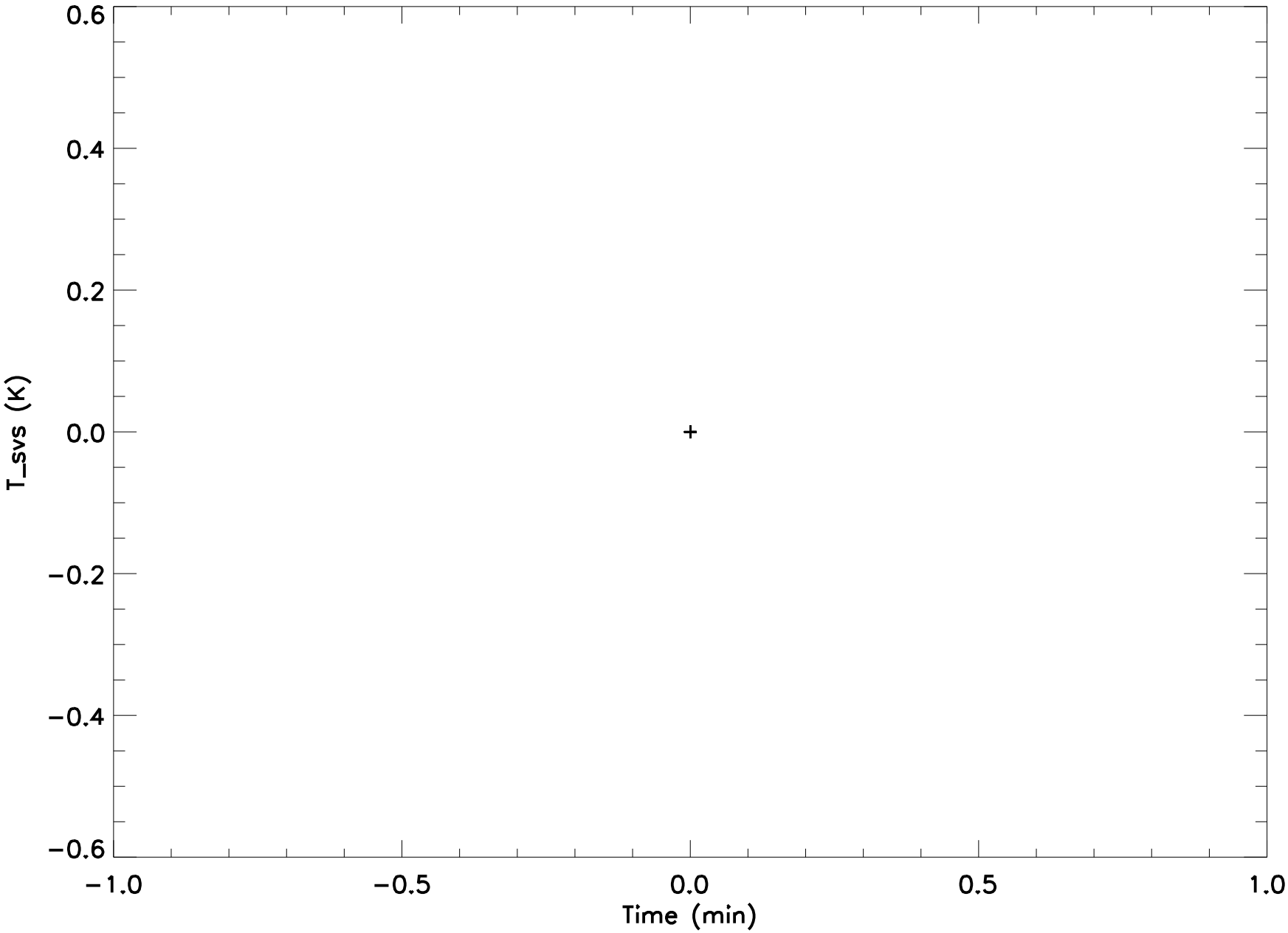
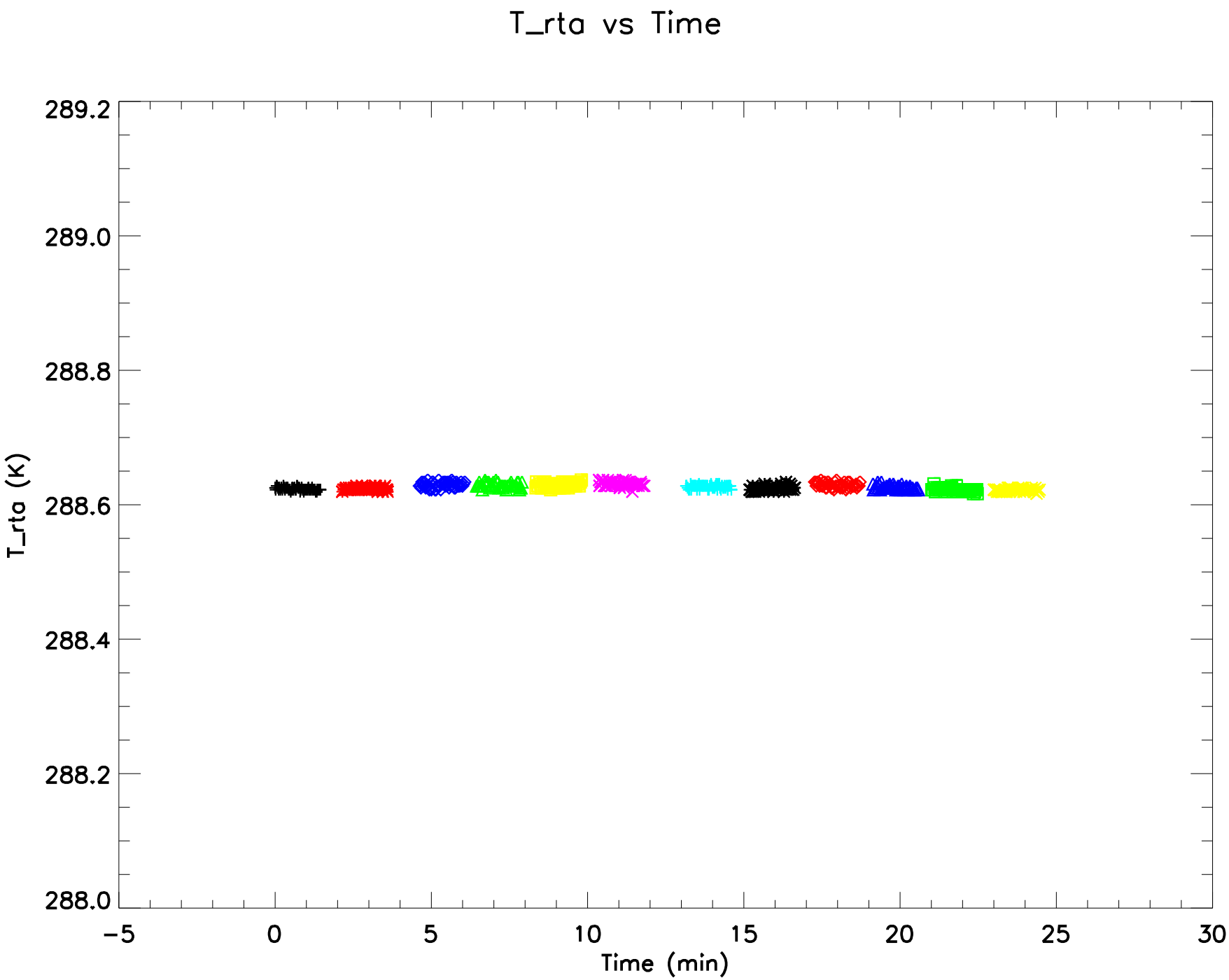

Integration Time vs Collect
Integration Time (Ticks)
40
30
20
10
0
0
5
10
15
Collect
VisNIR M
VisNIR I
SMWIR M
SMWIR I
LWIR M
LWIR I

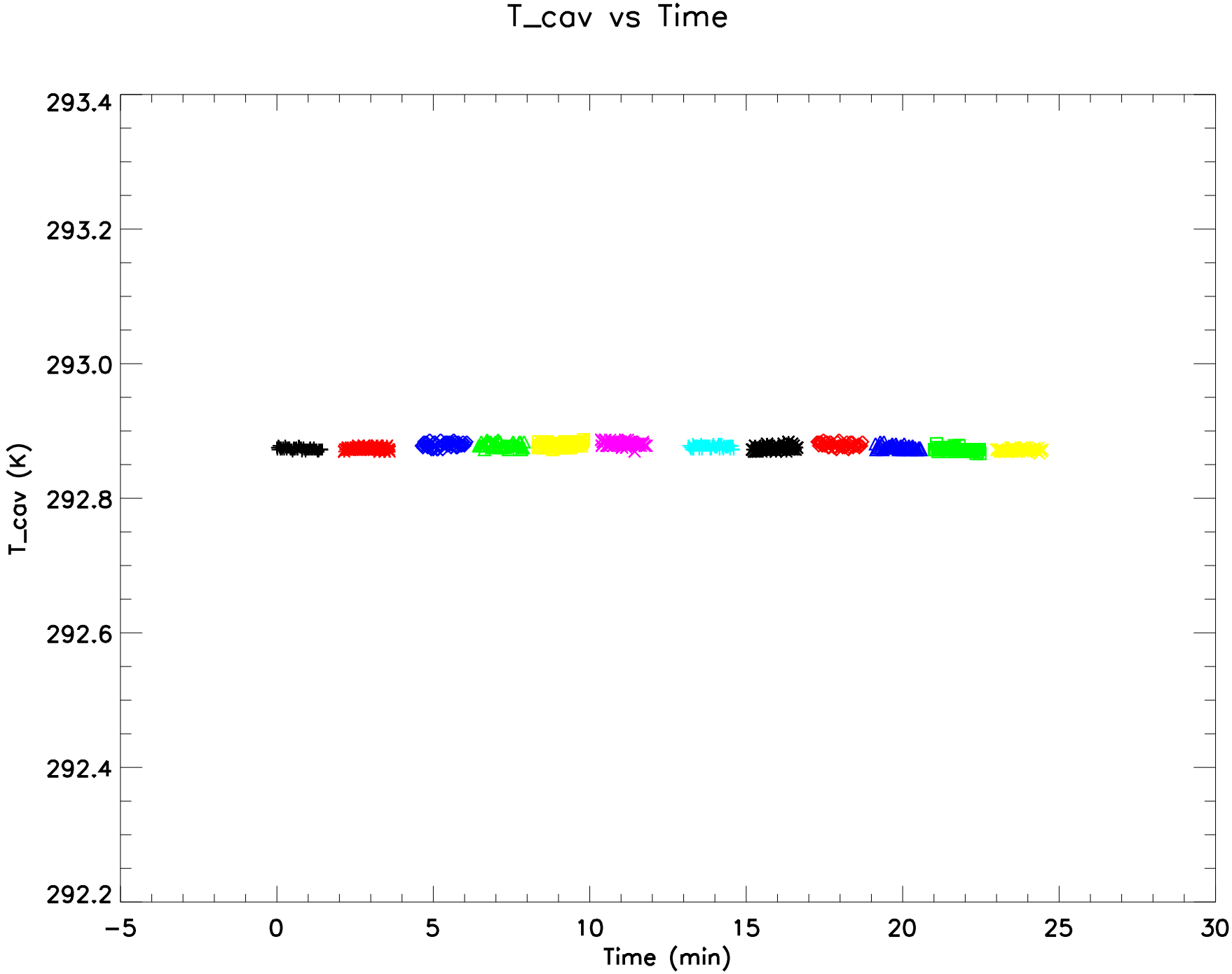

T_labb vs Collect
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
T_labb (K)
0
5
10
15
Collect

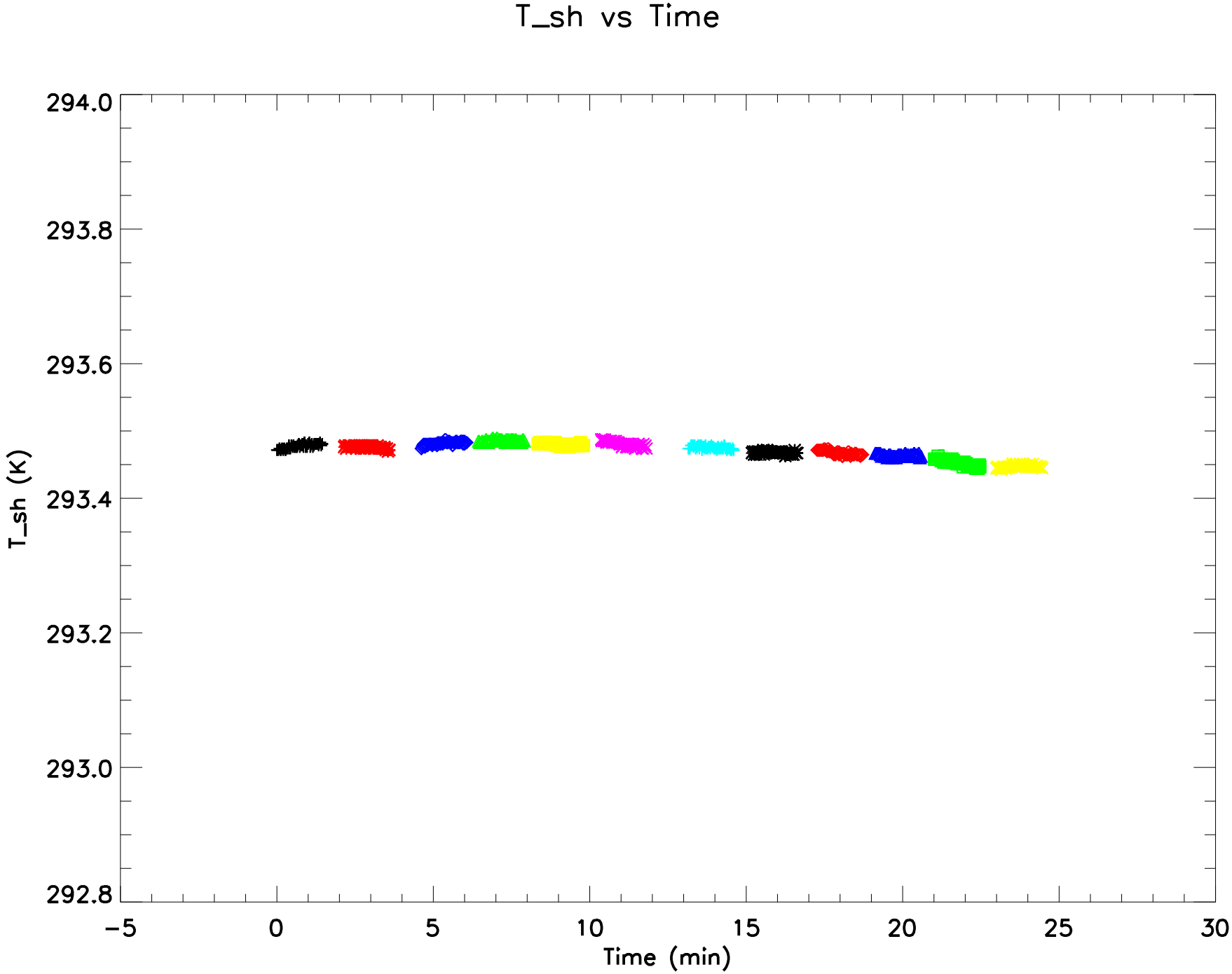

T_svs vs Collect
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
T_svs (K)
0
5
10
15
Collect

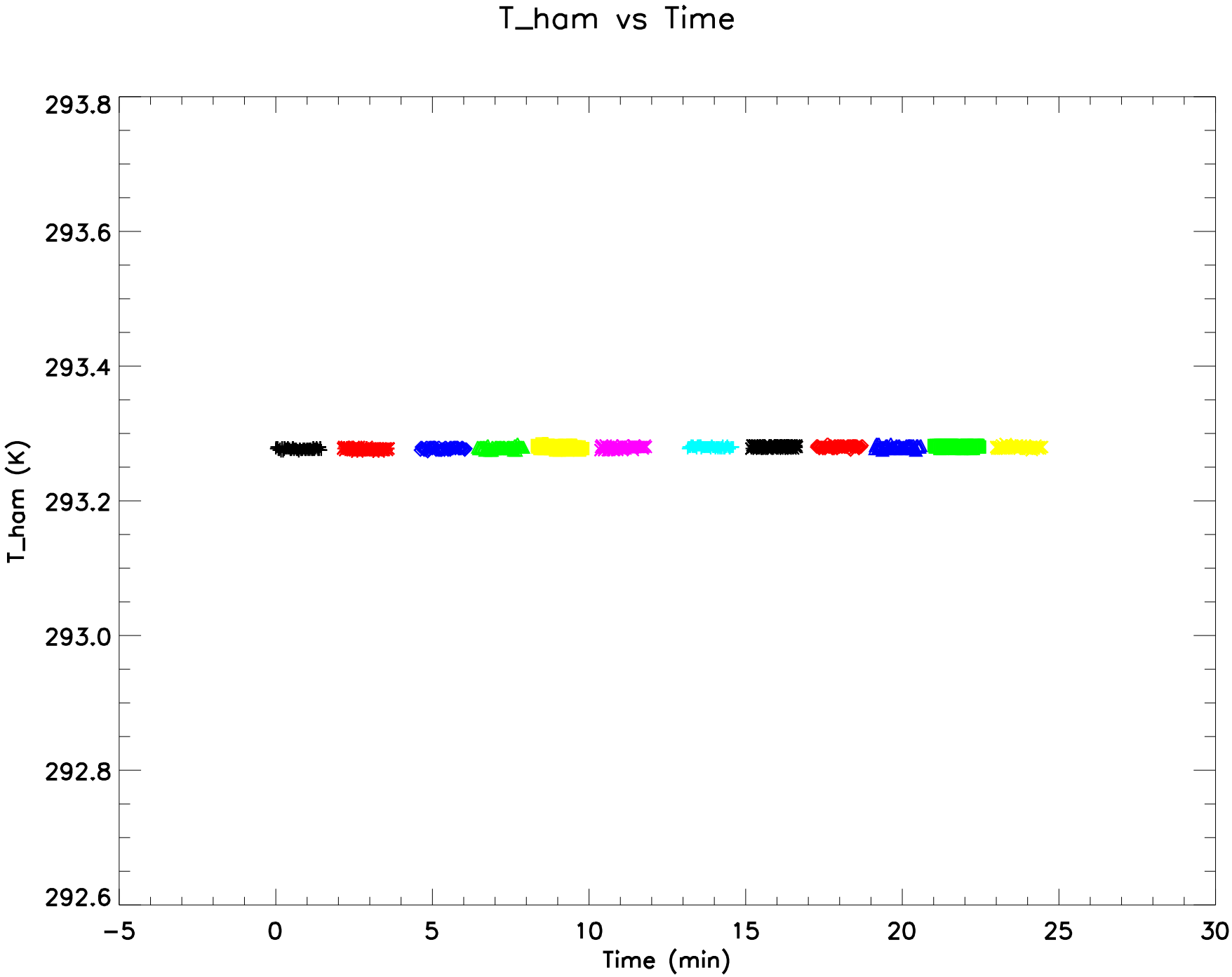

T_labb vs Time
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
T_labb (K)
−1.0
−0.5
0.0
0.5
1.0
Time (min)

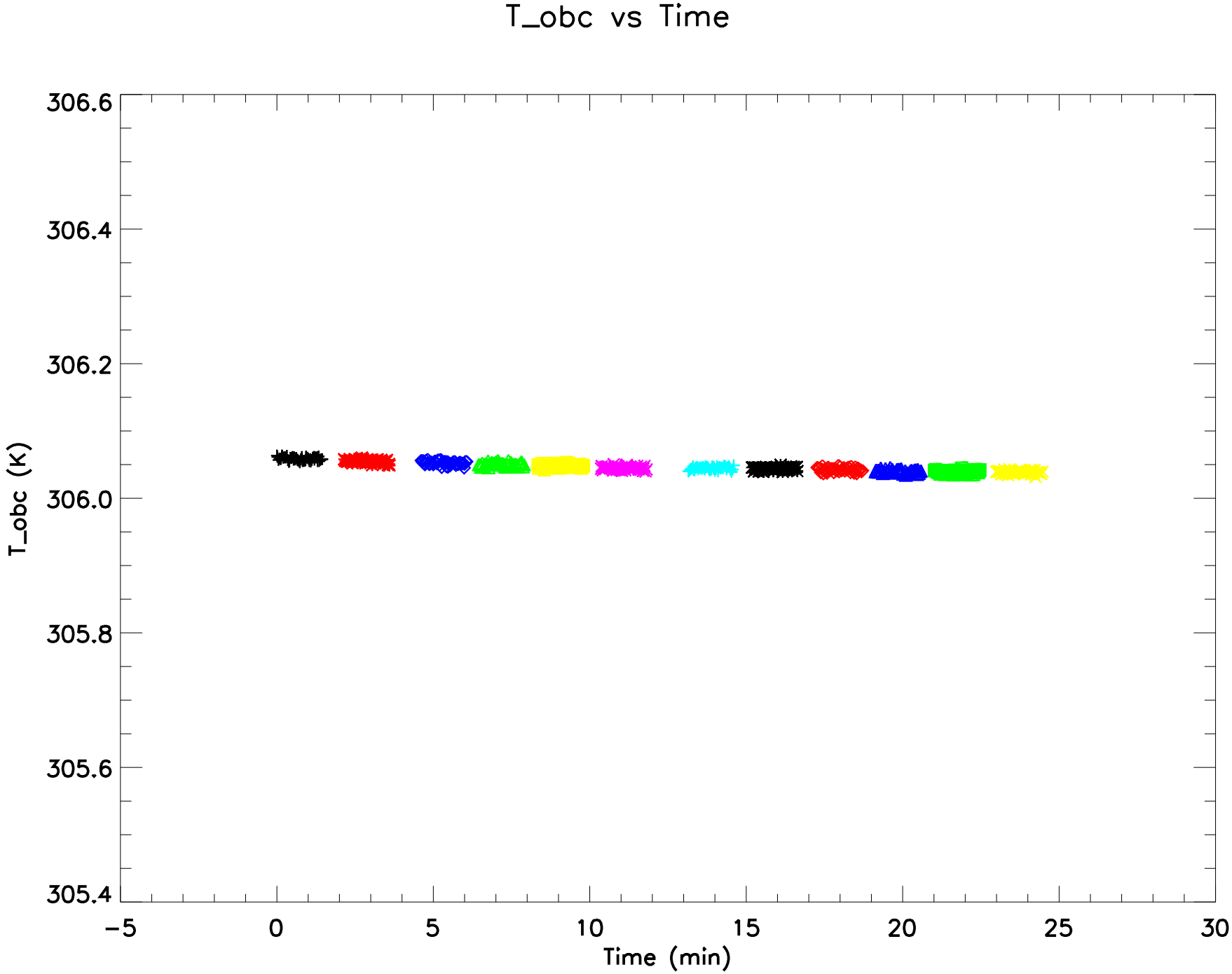

T_svs vs Time
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6
T_svs (K)
−1.0
−0.5
0.0
0.5
1.0
Time (min)

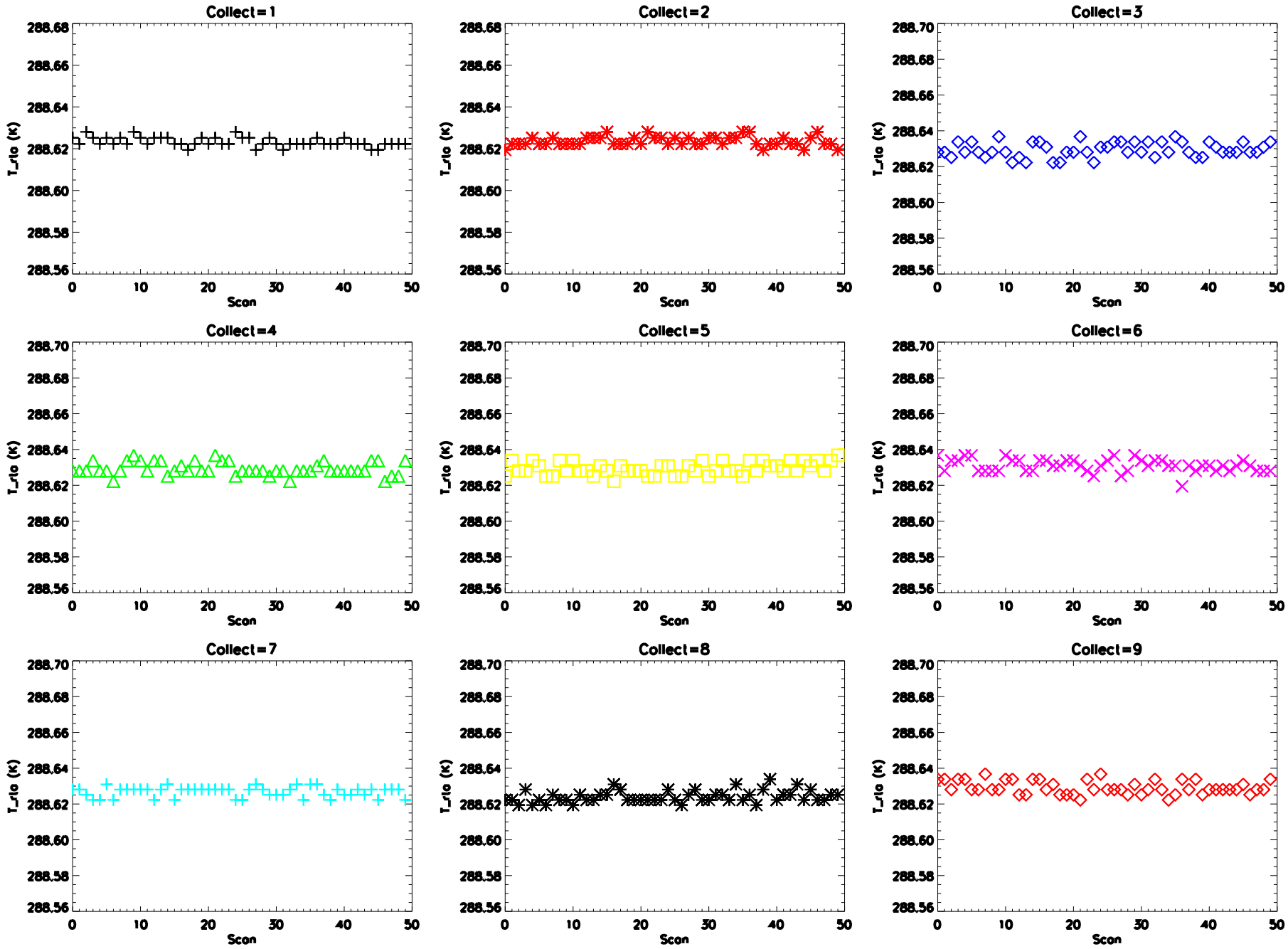

T_rta vs Time
289.2
289.0
288.8
288.6
288.4
288.2
288.0
T_rta (K)
−5
0
5
10
15
20
25
30
Time (min)


T_cav vs Time
293.4
293.2
293.0
292.8
292.6
292.4
292.2
T_cav (K)
−5
0
5
10
15
20
25
30
Time (min)

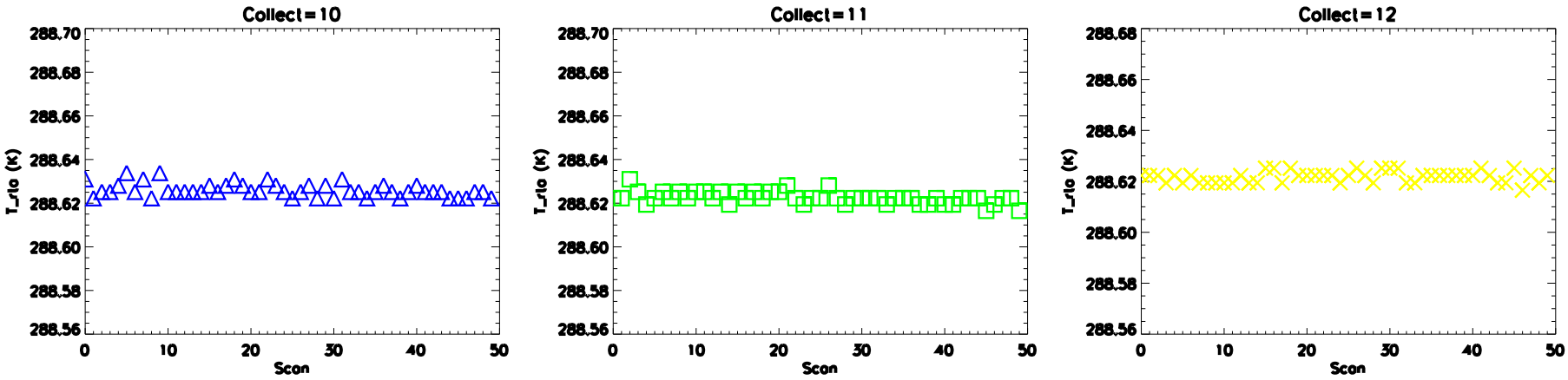

T_sh vs Time
294.0
293.8
293.6
293.4
293.2
293.0
292.8
T_sh (K)
−5
0
5
10
15
20
25
30
Time (min)

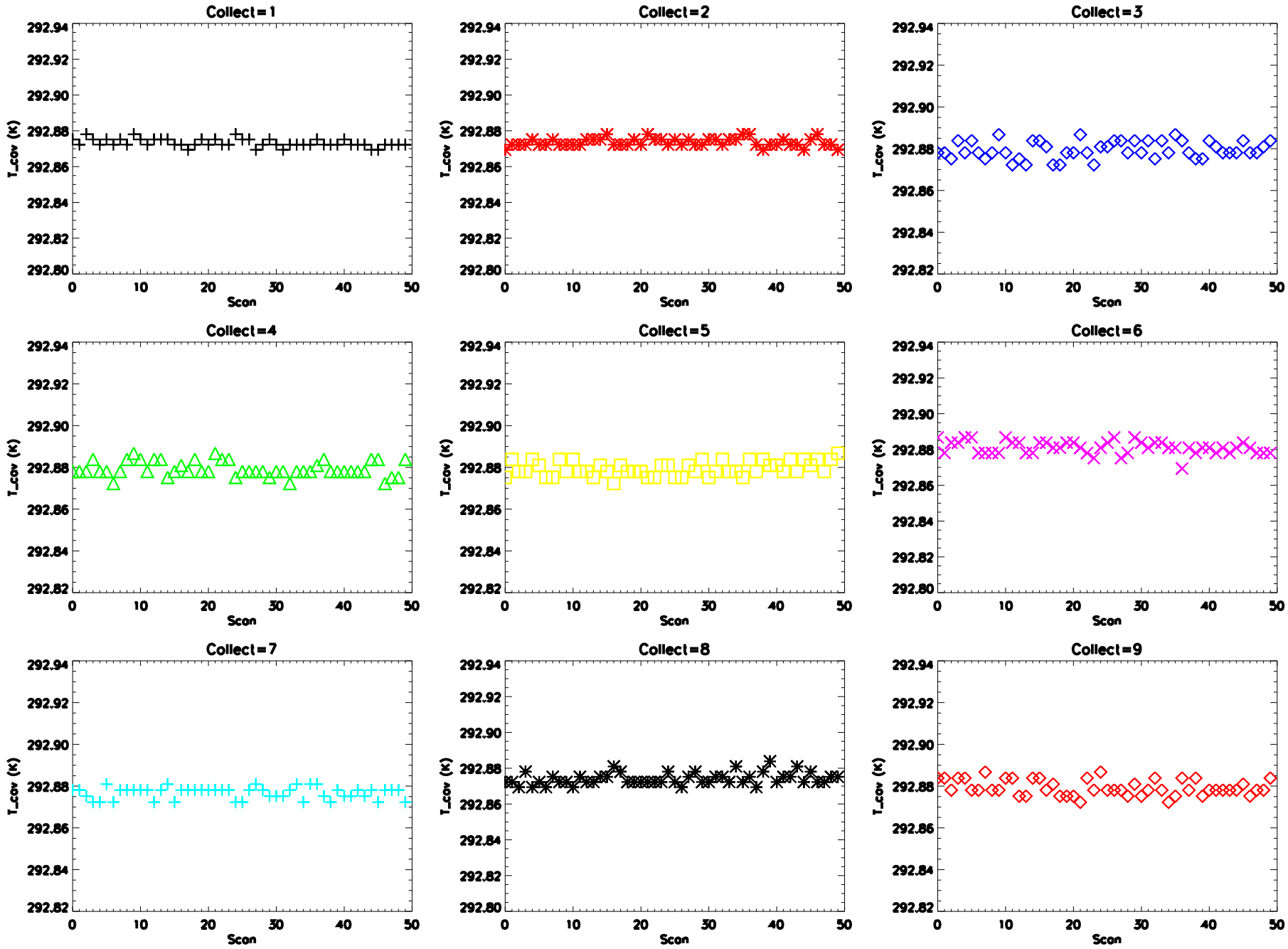

T_ham vs Time
293.8
293.6
293.4
293.2
293.0
292.8
292.6
T_ham (K)
−5
0
5
10
15
20
25
30
Time (min)


T_obc vs Time
306.6
306.4
306.2
306.0
305.8
305.6
305.4
T_obc (K)
−5
0
5
10
15
20
25
30
Time (min)

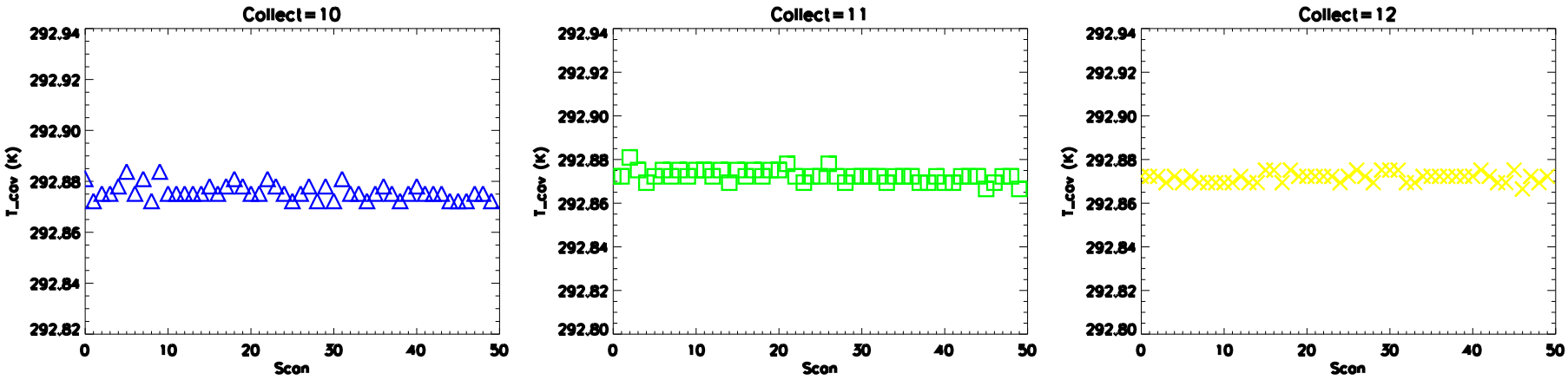

T_rta vs Scan
Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
T_rta (K)
Scan
288.56
288.58
288.60
288.62
288.64
288.66
288.68
288.70
0
10
20
30
40
50

T_rta vs Scan

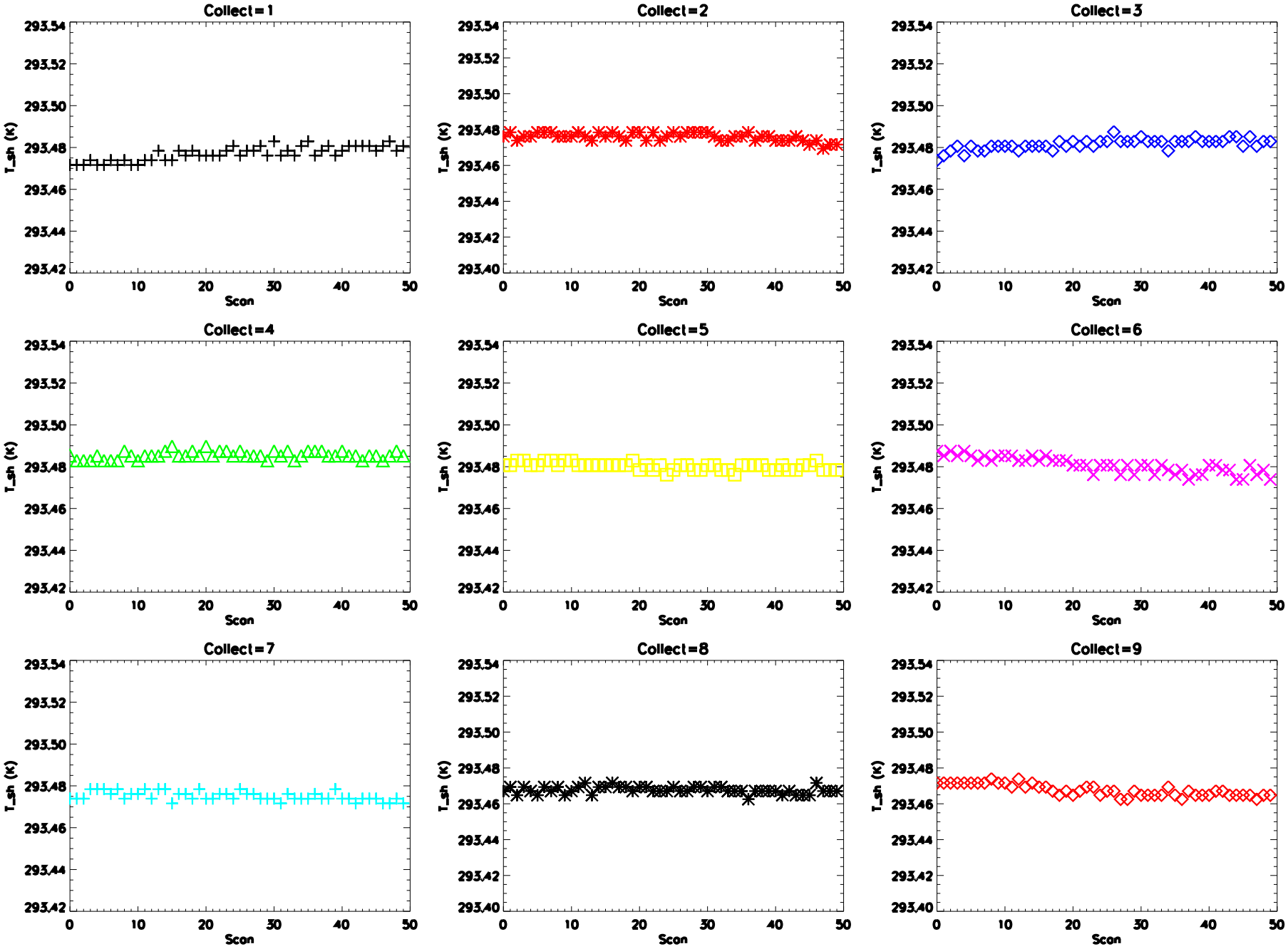

Collect = 10
Collect = 11
Collect = 12
T_rta (K)
Scan
288.70
288.68
288.66
288.64
288.62
288.60
288.58
288.56
0
10
20
30
40
50


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
292.94
292.92
292.90
292.88
292.86
292.84
292.82
292.80
0
10
20
30
40
50

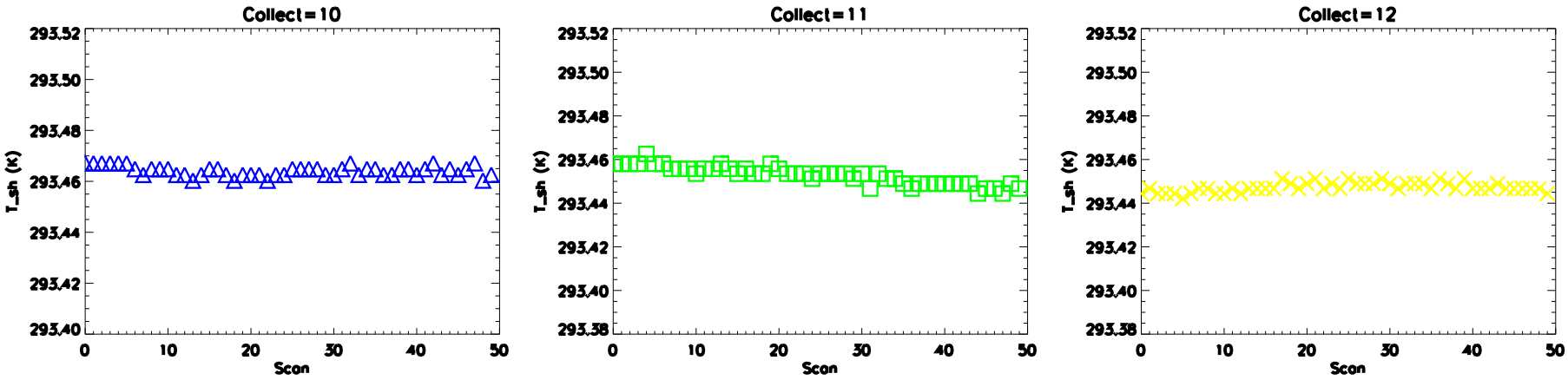
T_cav vs Scan

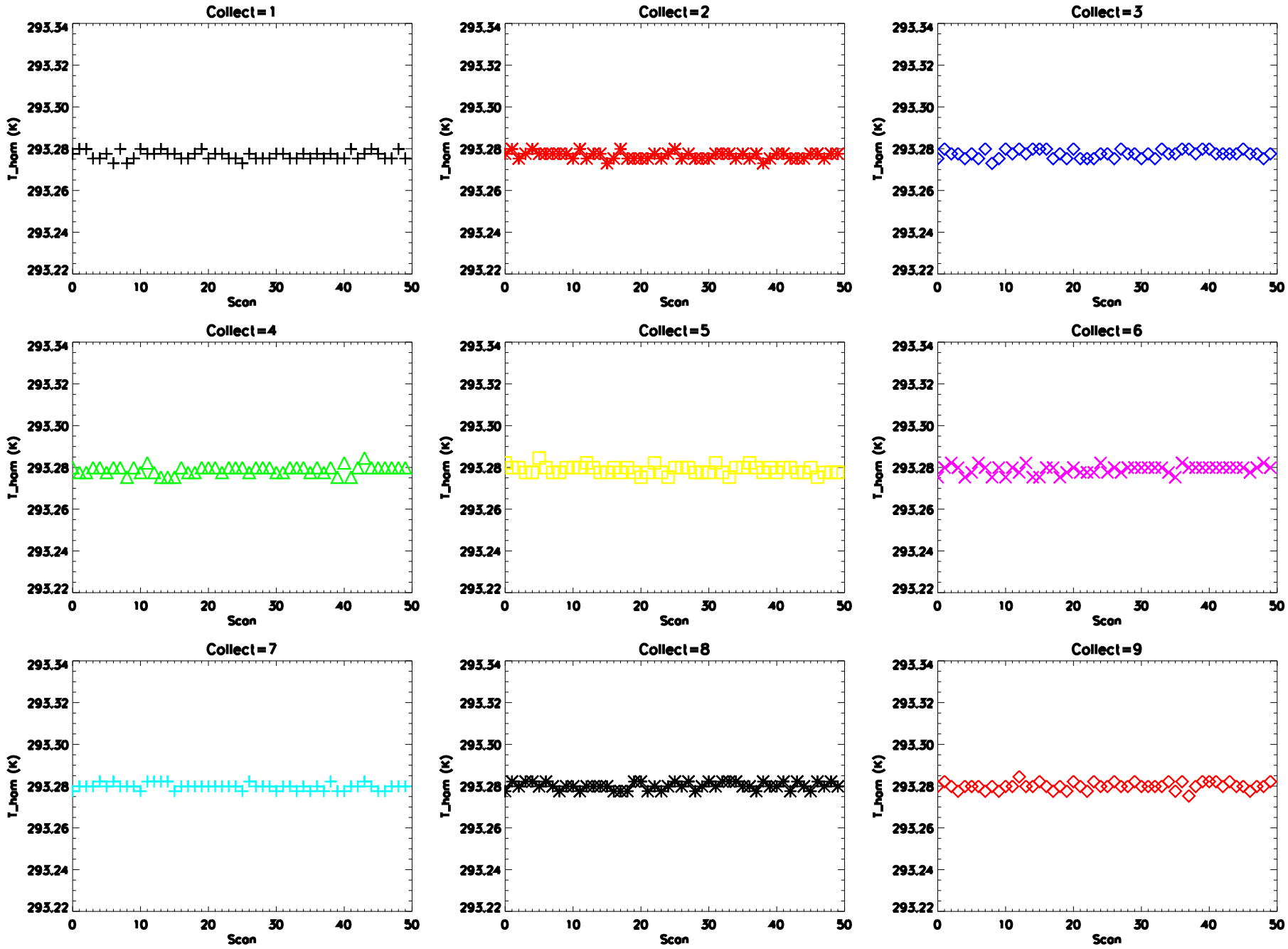

Collect = 10
Collect = 11
Collect = 12
T_cav (K)
Scan
292.94
292.92
292.90
292.88
292.86
292.84
292.82
292.80
0
10
20
30
40
50

T_sh vs Scan

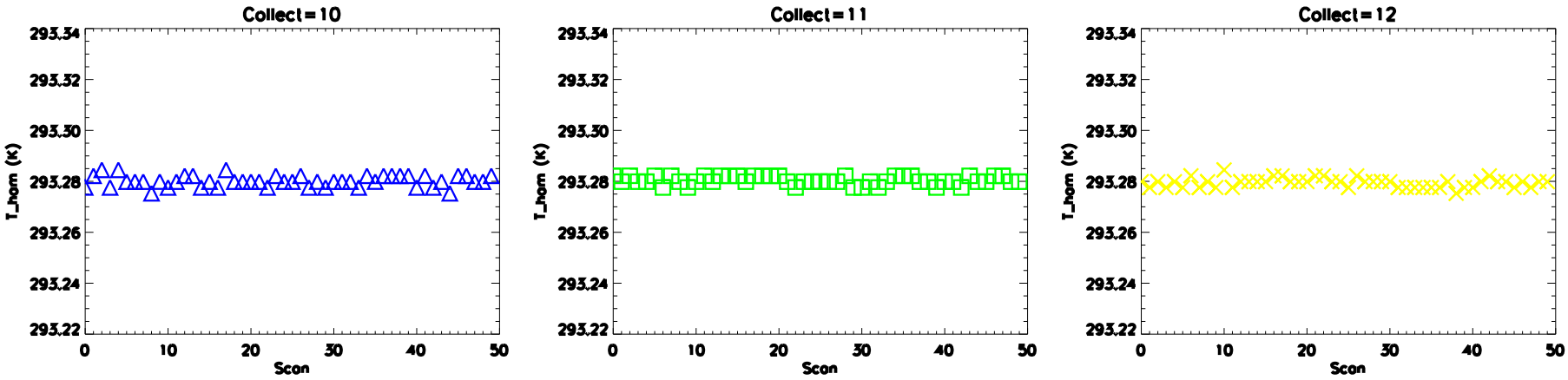

Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
T_sh (K)
Scan

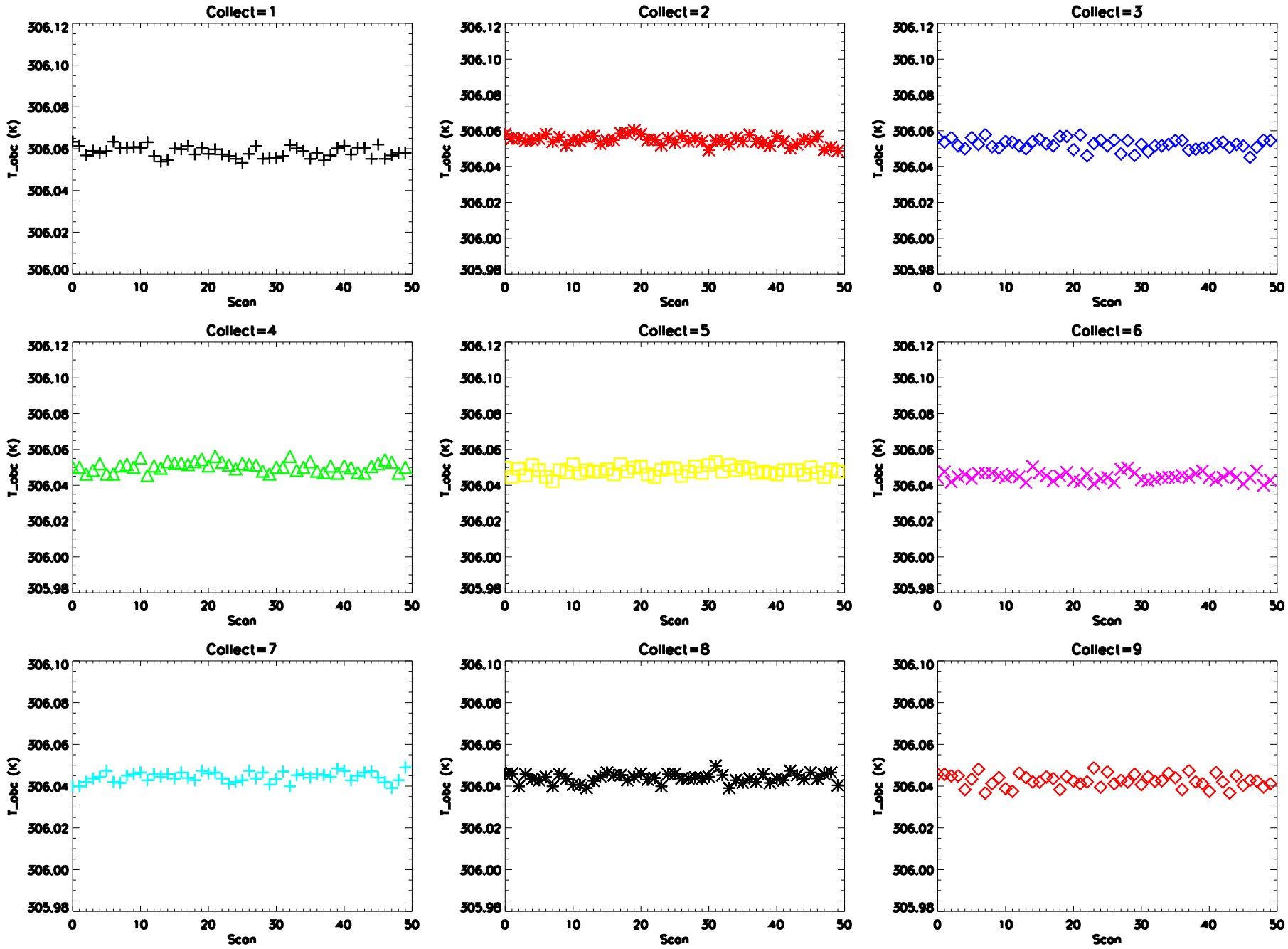
T_sh vs Scan


Collect = 10
Collect = 11
Collect = 12
T_sh (K)
Scan
293.52
293.50
293.48
293.46
293.44
293.42
293.40
293.38
0
10
20
30
40
50

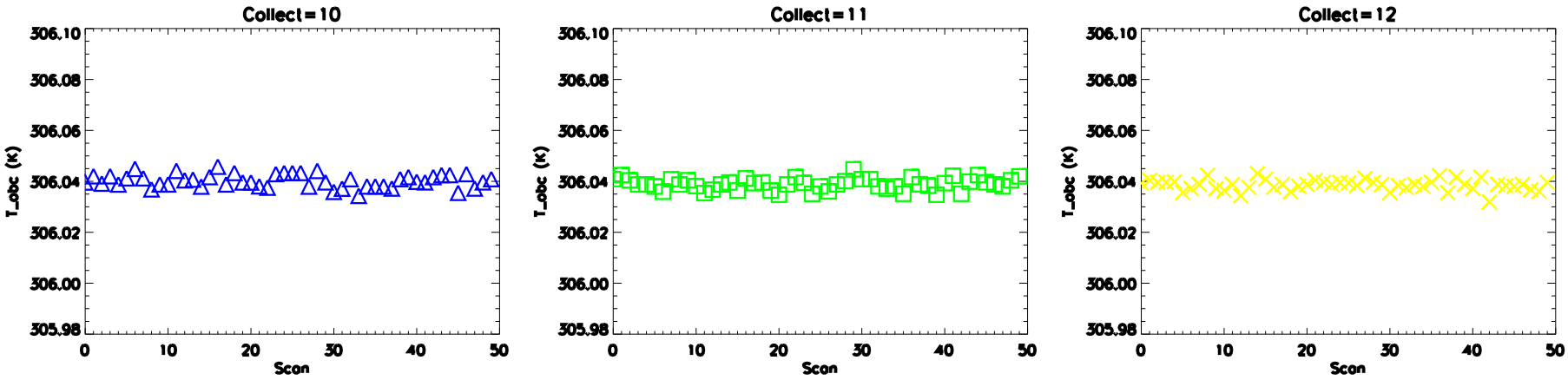

T_ham vs Scan
Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
T_ham (K)
Scan
293.34
293.32
293.30
293.28
293.26
293.24
293.22
0
10
20
30
40
50

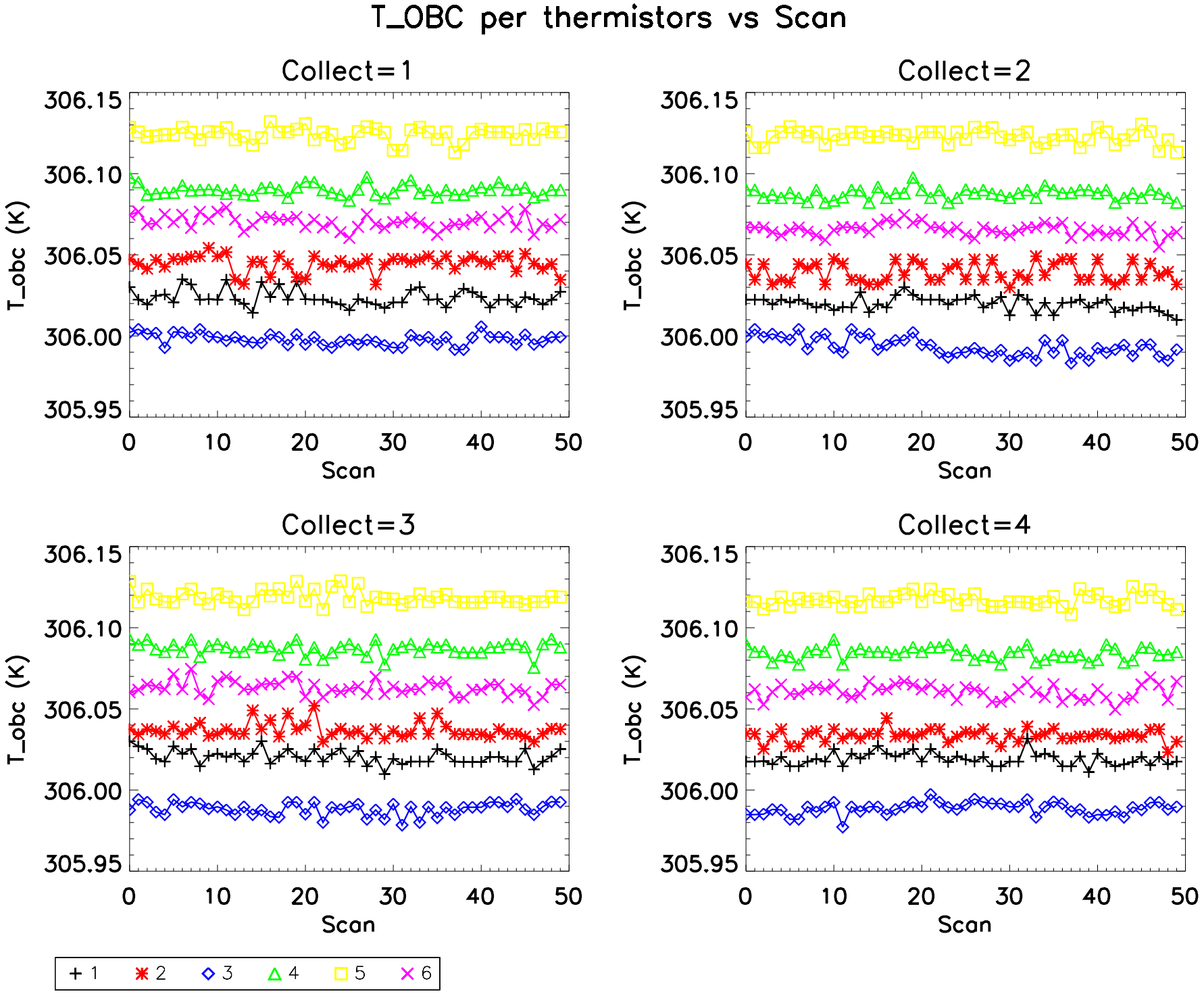
T_ham vs Scan

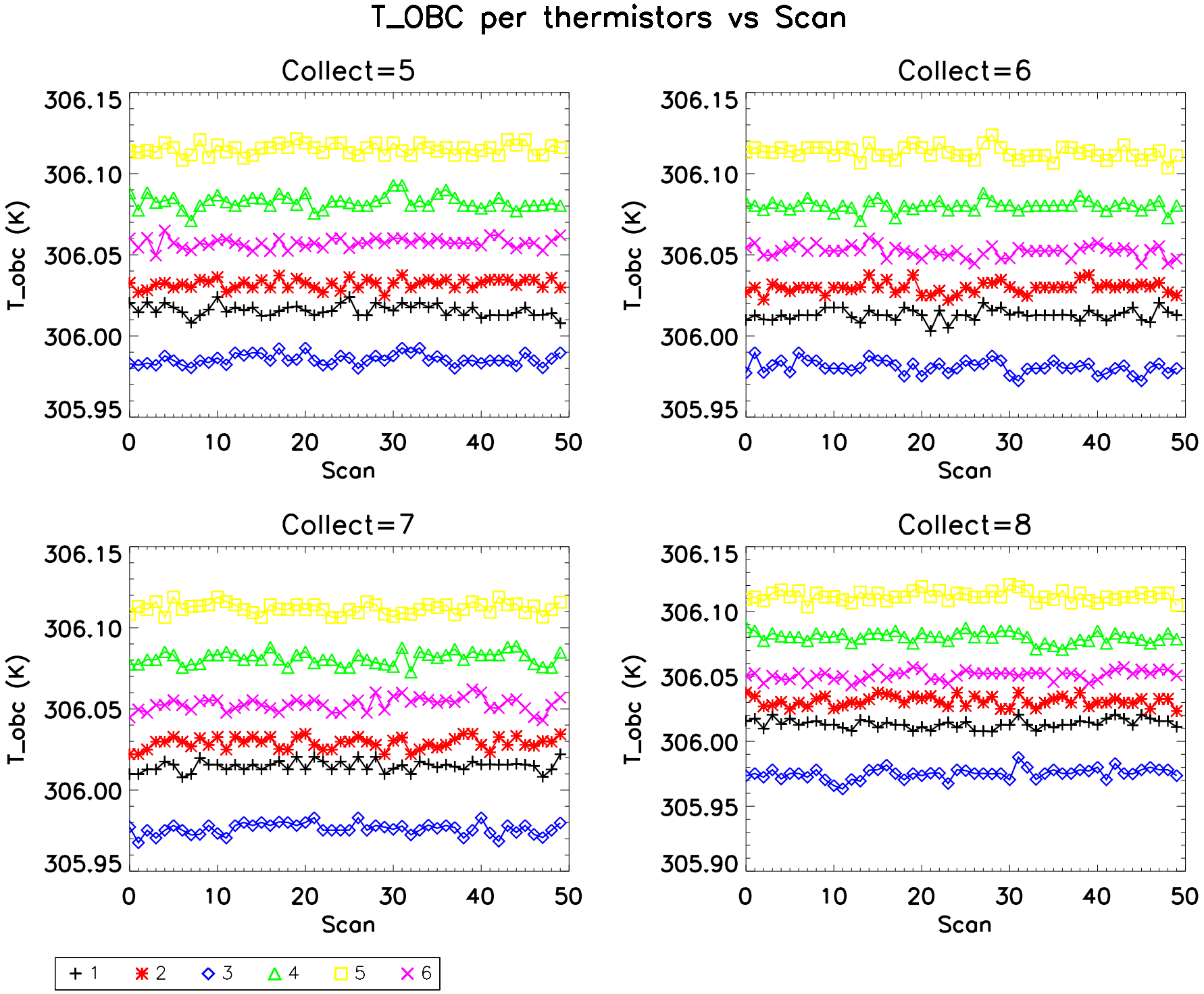

Collect = 10
Collect = 11
Collect = 12
T_ham (K)
Scan
293.34
293.32
293.30
293.28
293.26
293.24
293.22
0
10
20
30
40
50

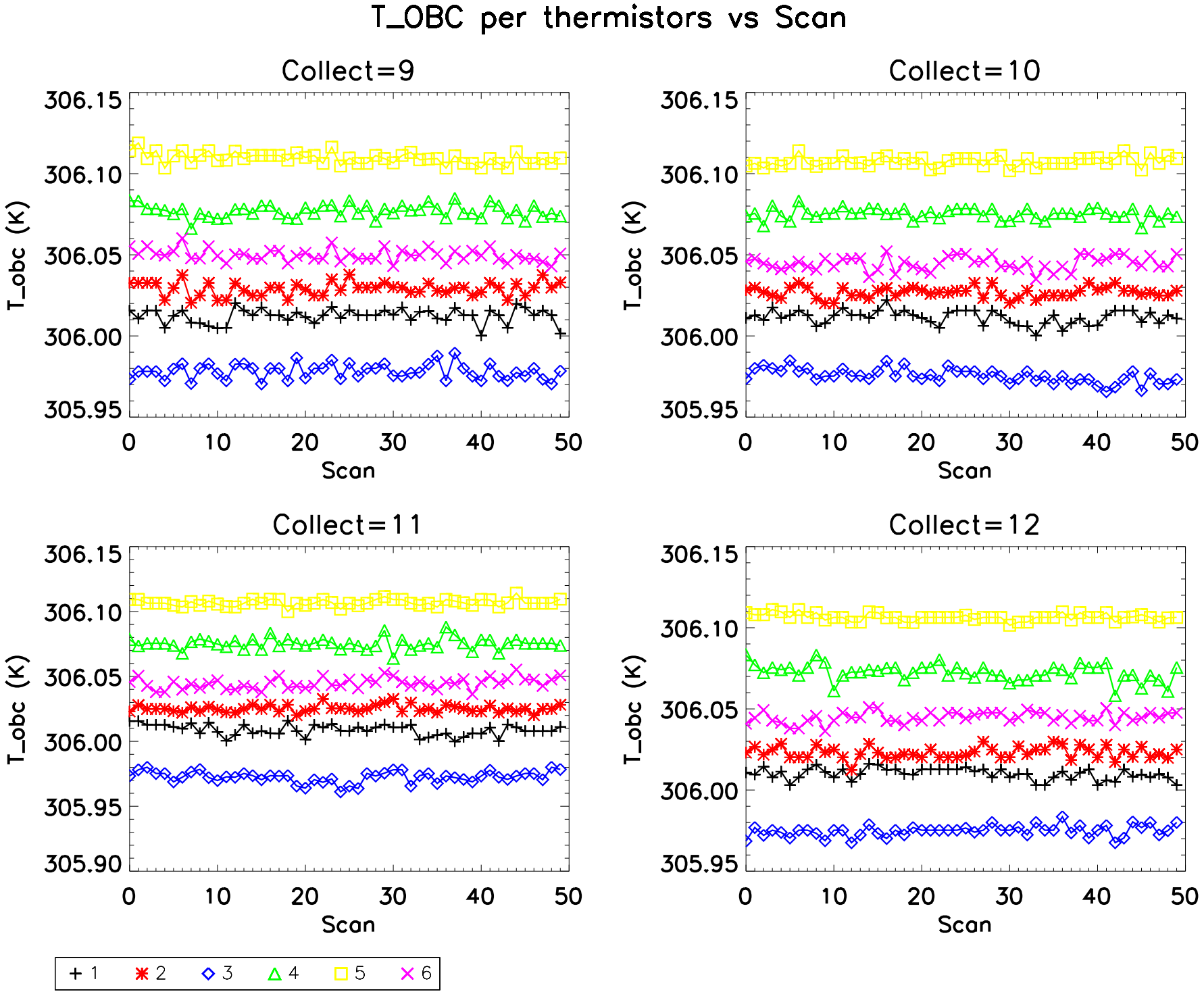

T_obc vs Scan
Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
T_obc (K)
Scan

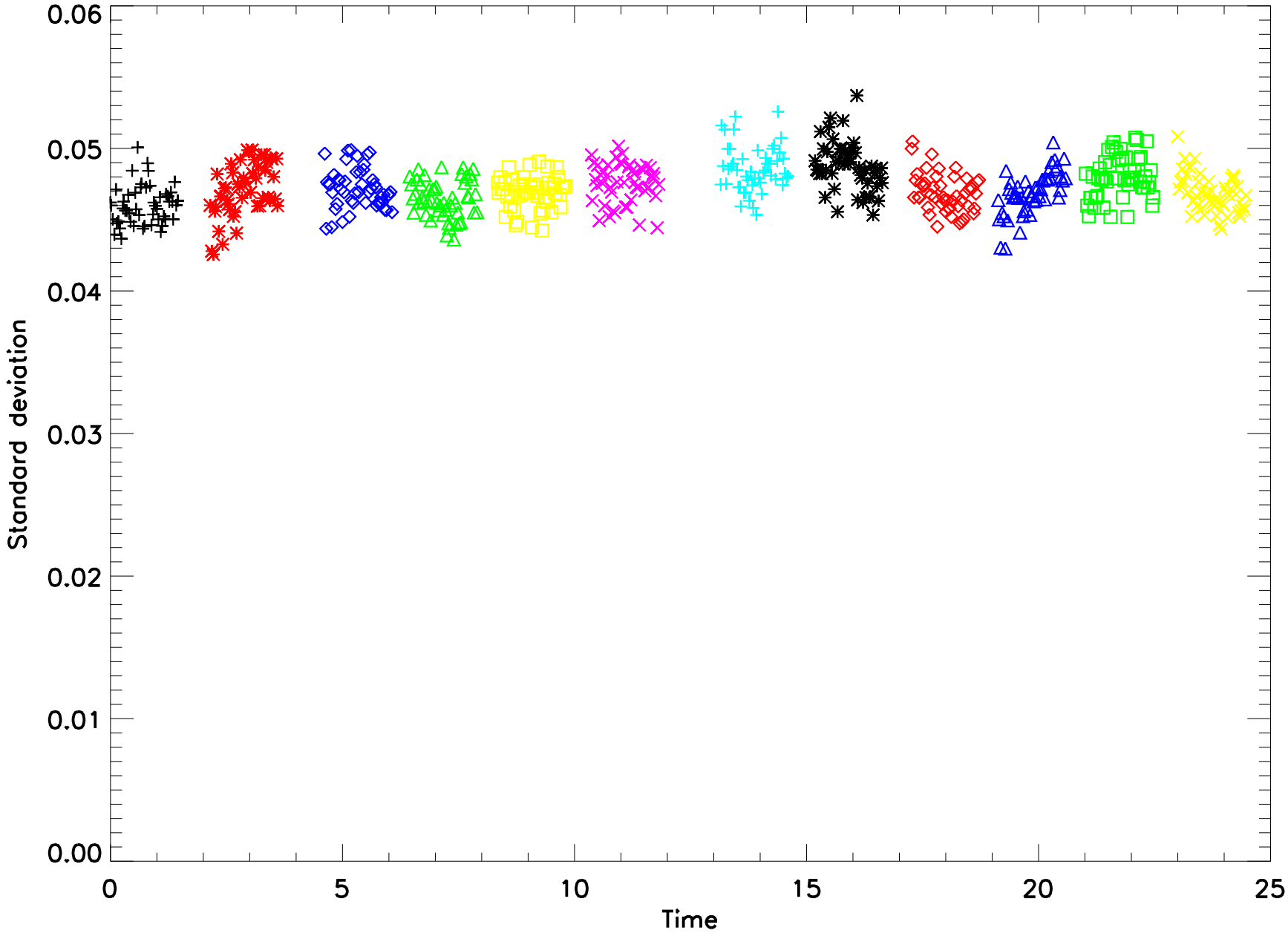
T_obc vs Scan

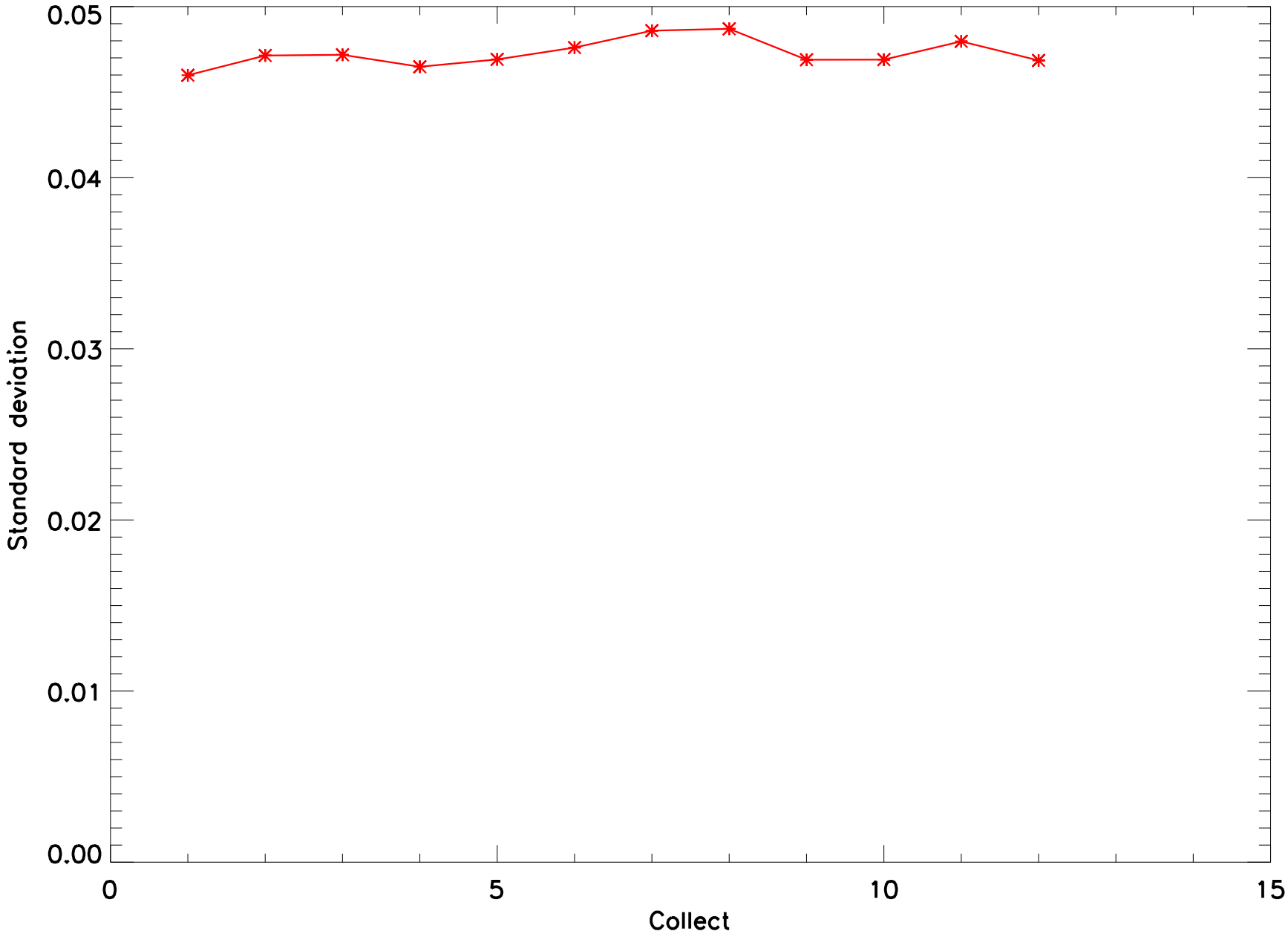

Collect = 10
Collect = 11
Collect = 12
T_obc (K)
Scan
306.10
306.08
306.06
306.04
306.02
306.00
305.98
0
10
20
30
40
50

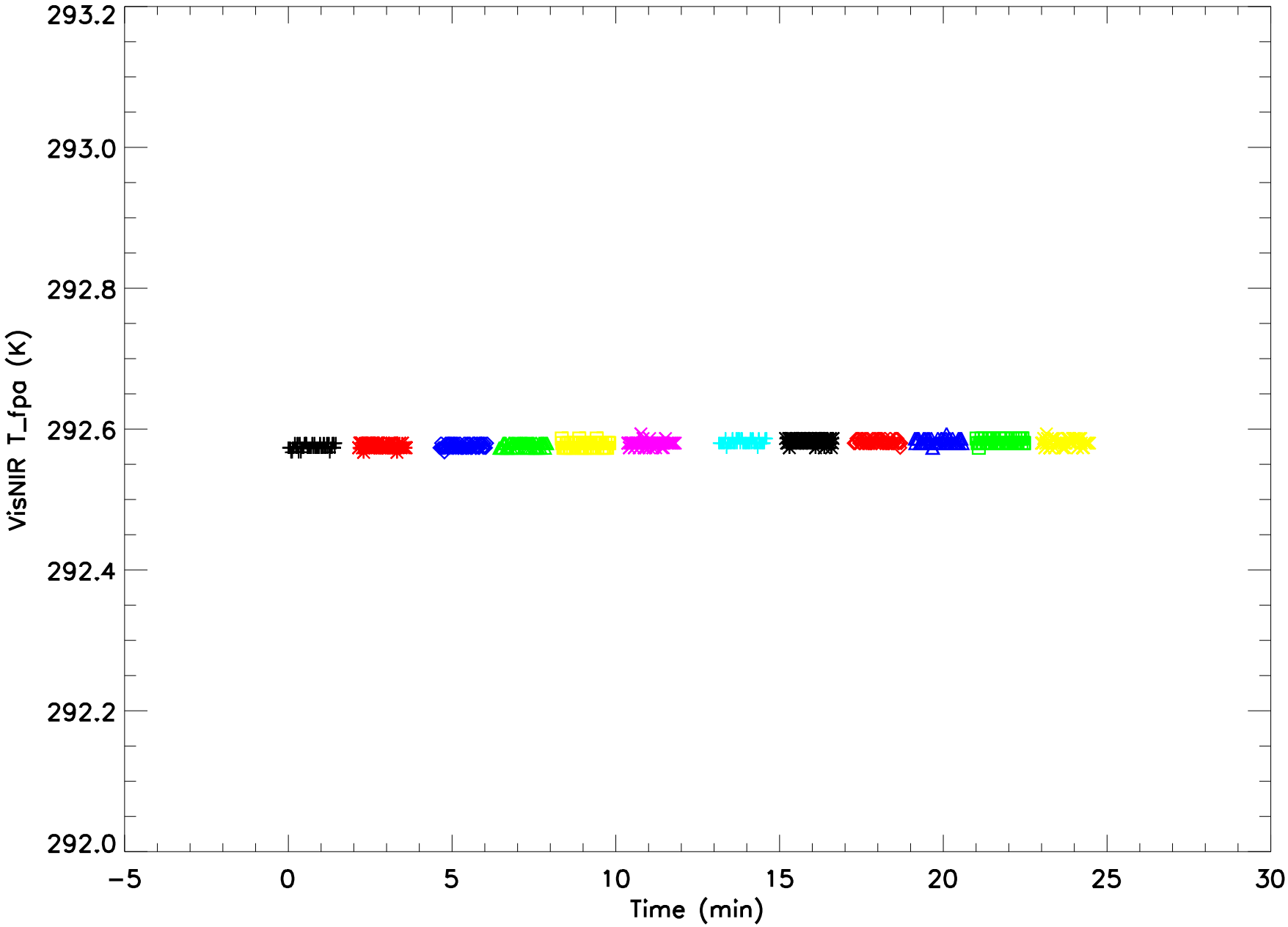

T_OBC per thermistors vs Scan
Collect=1
Collect=2
Collect=3
Collect=4
T_obc (K)
306.15
306.10
306.05
306.00
305.95
0
10
20
30
40
50
Scan
1
2
3
4
5
6

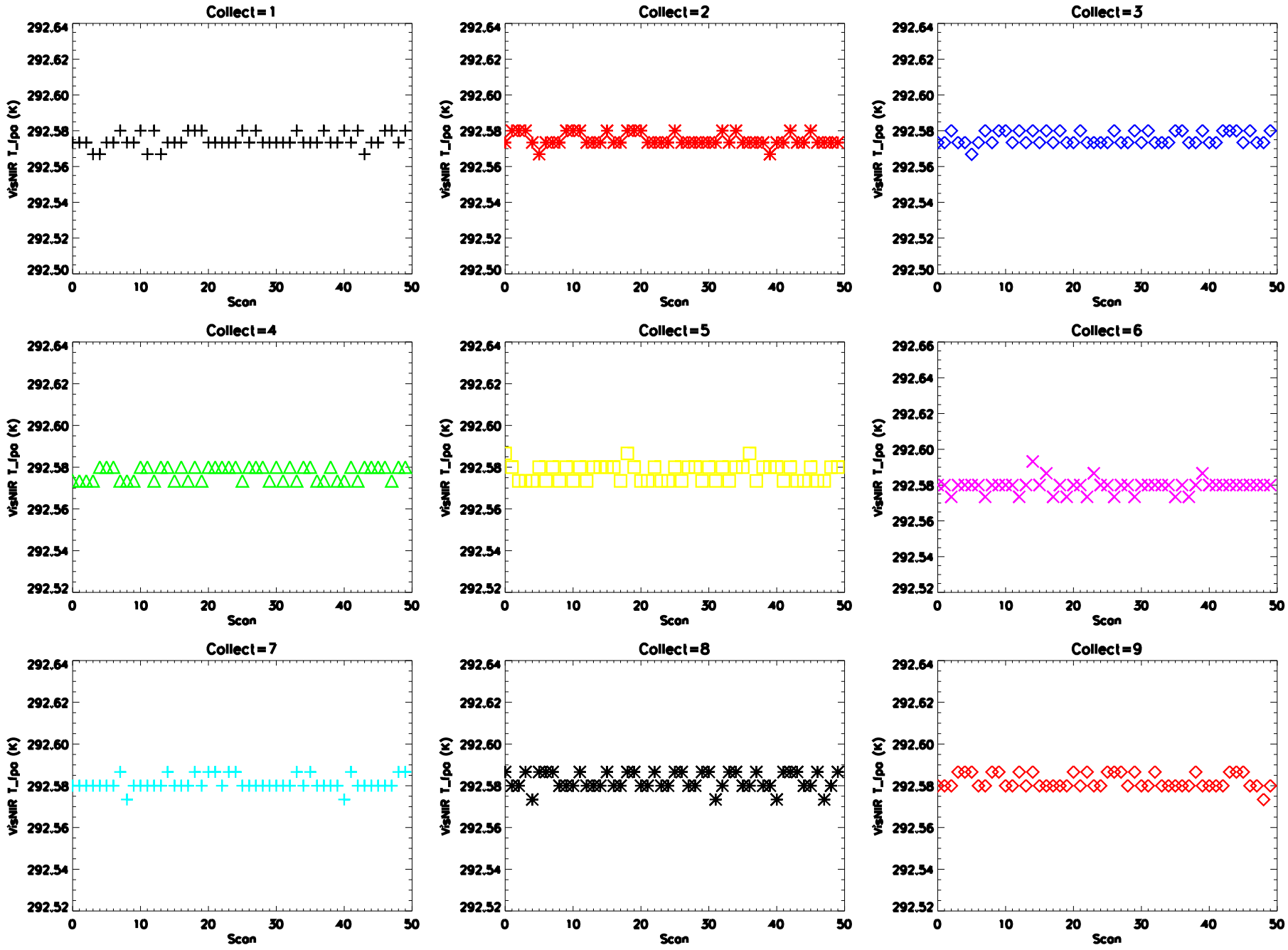

T_OBC per thermistors vs Scan
Collect=5
Collect=6
Collect=7
Collect=8
T_obc (K)
Scan
306.15
306.10
306.05
306.00
305.95
305.90
0
10
20
30
40
50
1
2
3
4
5
6


T_OBC per thermistors vs Scan
Collect=9
Collect=10
Collect=11
Collect=12
T_obc (K)
Scan
306.15
306.10
306.05
306.00
305.95
305.90
0
10
20
30
40
50
1
2
3
4
5
6

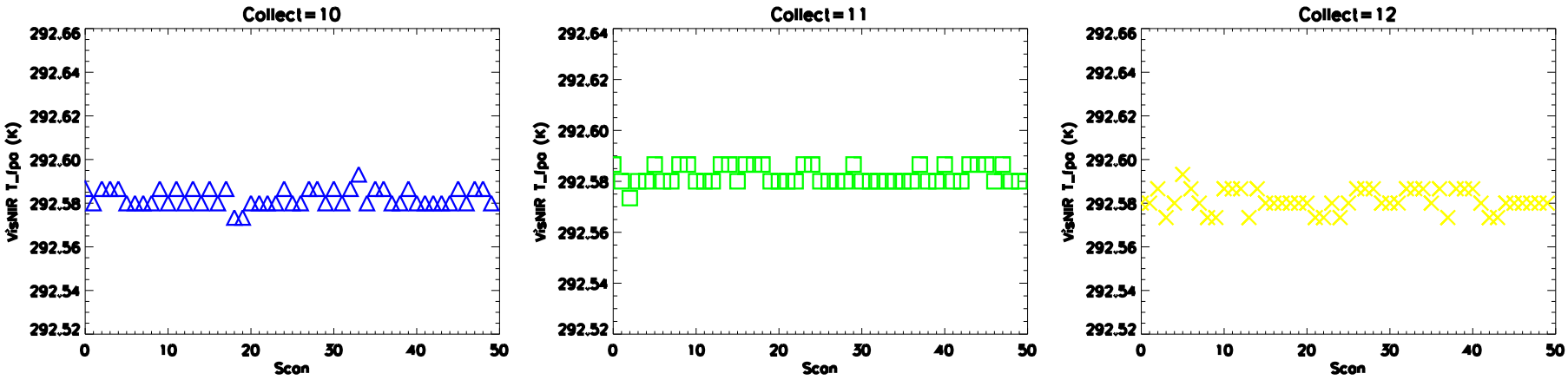

OBC thermistor standard deviation vs Time
Standard deviation
0.06
0.05
0.04
0.03
0.02
0.01
0.00
0
5
10
15
20
25
Time

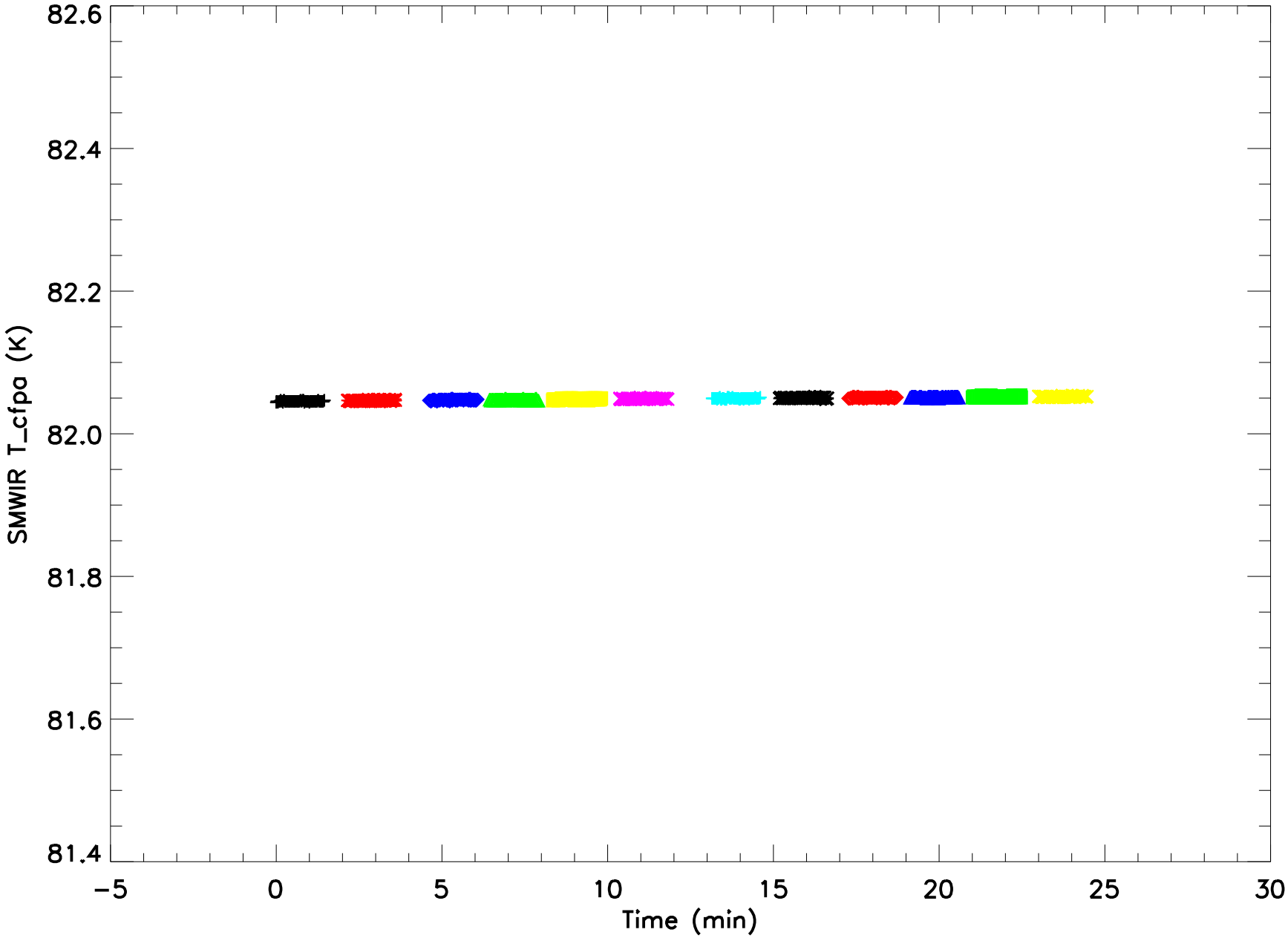

OBC thermistor standard deviation vs Collect
Standard deviation
0.05
0.04
0.03
0.02
0.01
0.00
0
5
10
15
Collect

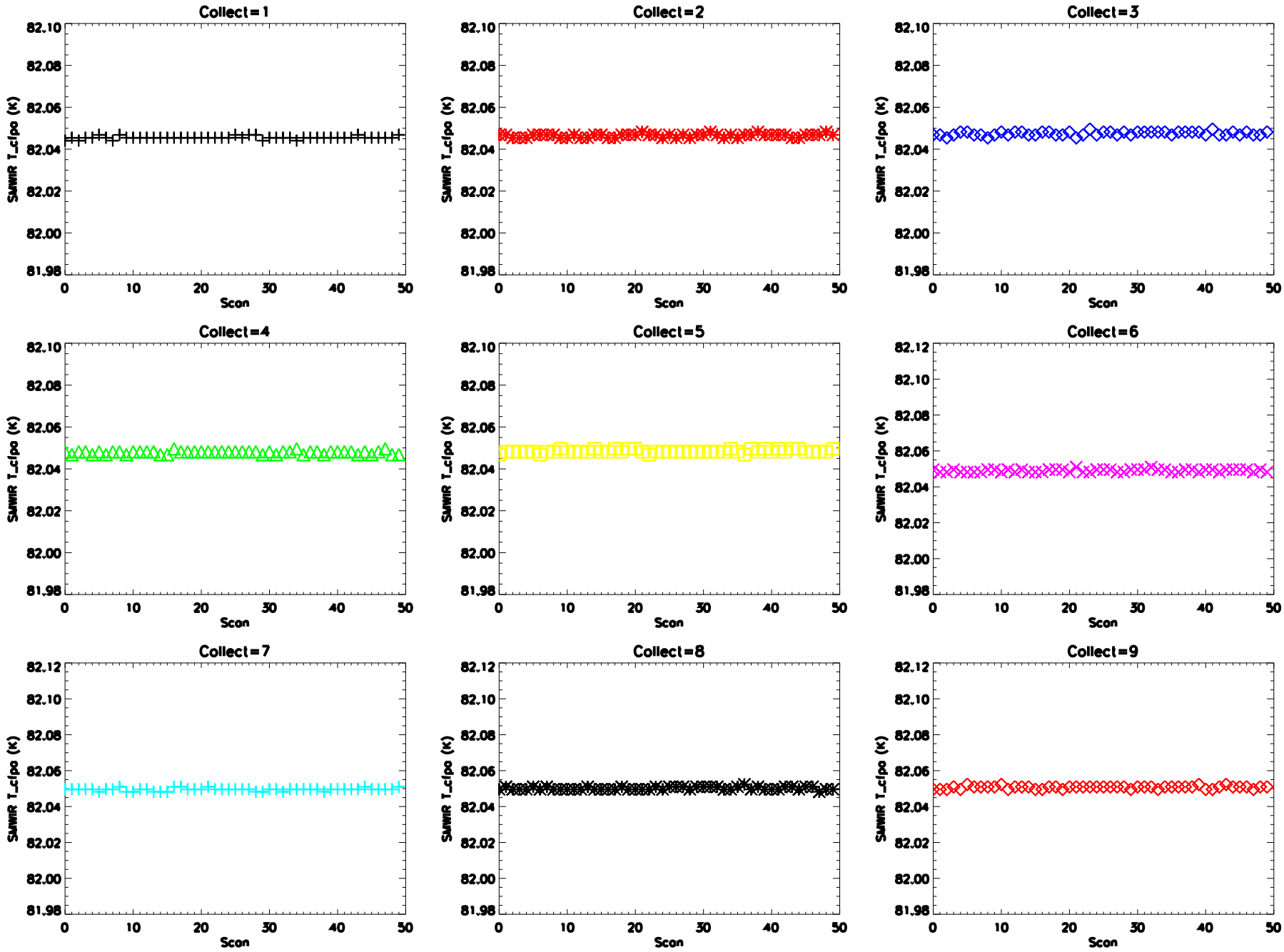

VisNIR T_fpa vs Time
293.2
293.0
292.8
292.6
292.4
292.2
292.0
VisNIR T_fpa (K)
−5
0
5
10
15
20
25
30
Time (min)


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

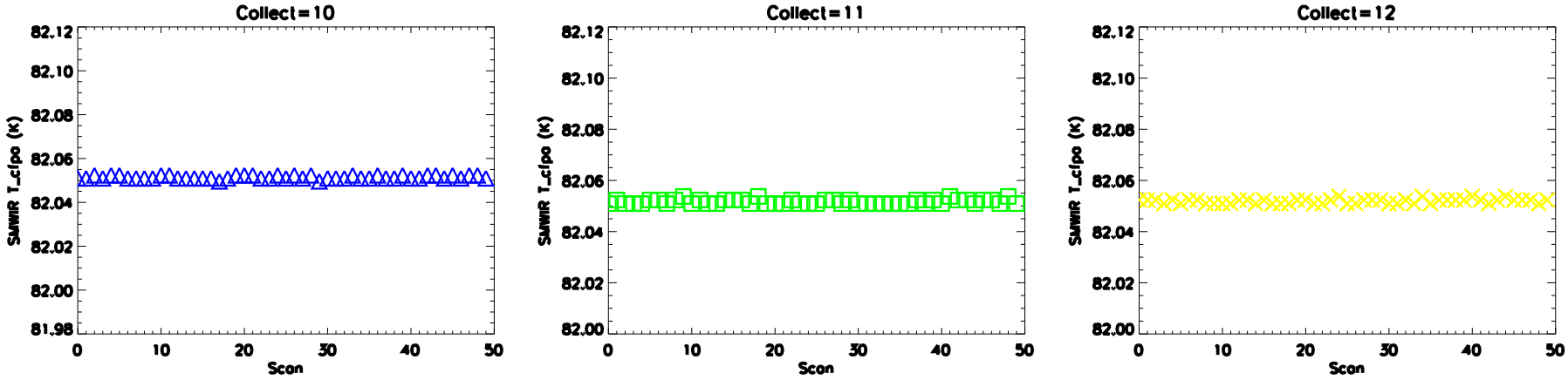
VisNIR T_fpa vs Scan

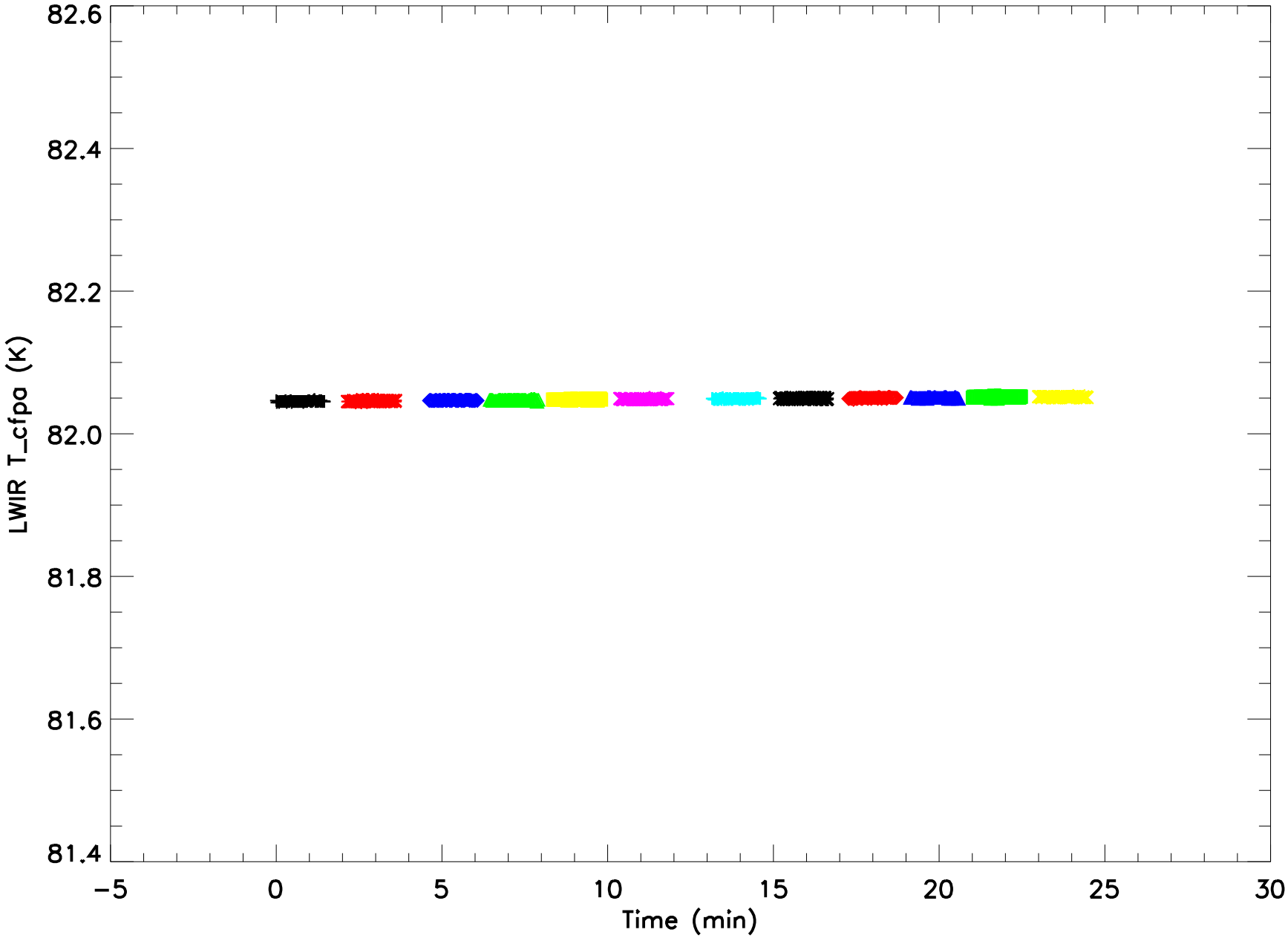


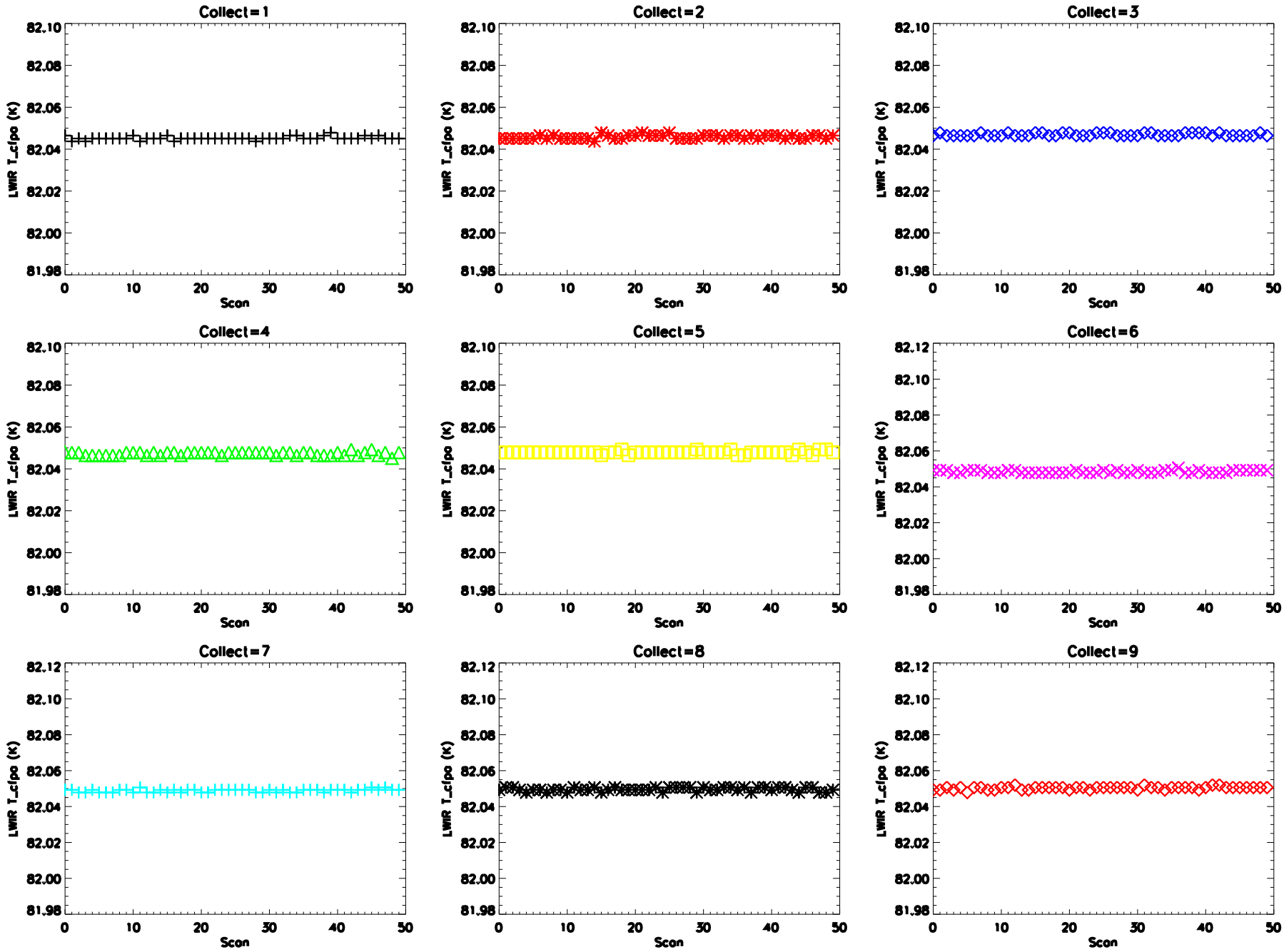

SMWIR T_cfpa vs Time
SMWIR T_cfpa (K)
82.6
82.4
82.2
82.0
81.8
81.6
81.4
−5
0
5
10
15
20
25
30
Time (min)


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

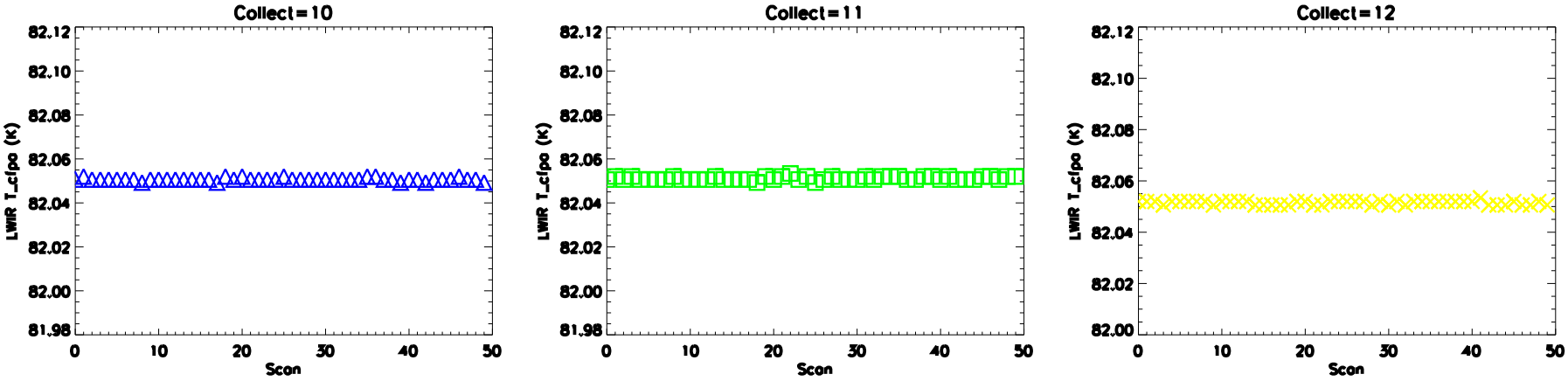
SMWIR T_cfpa vs Scan

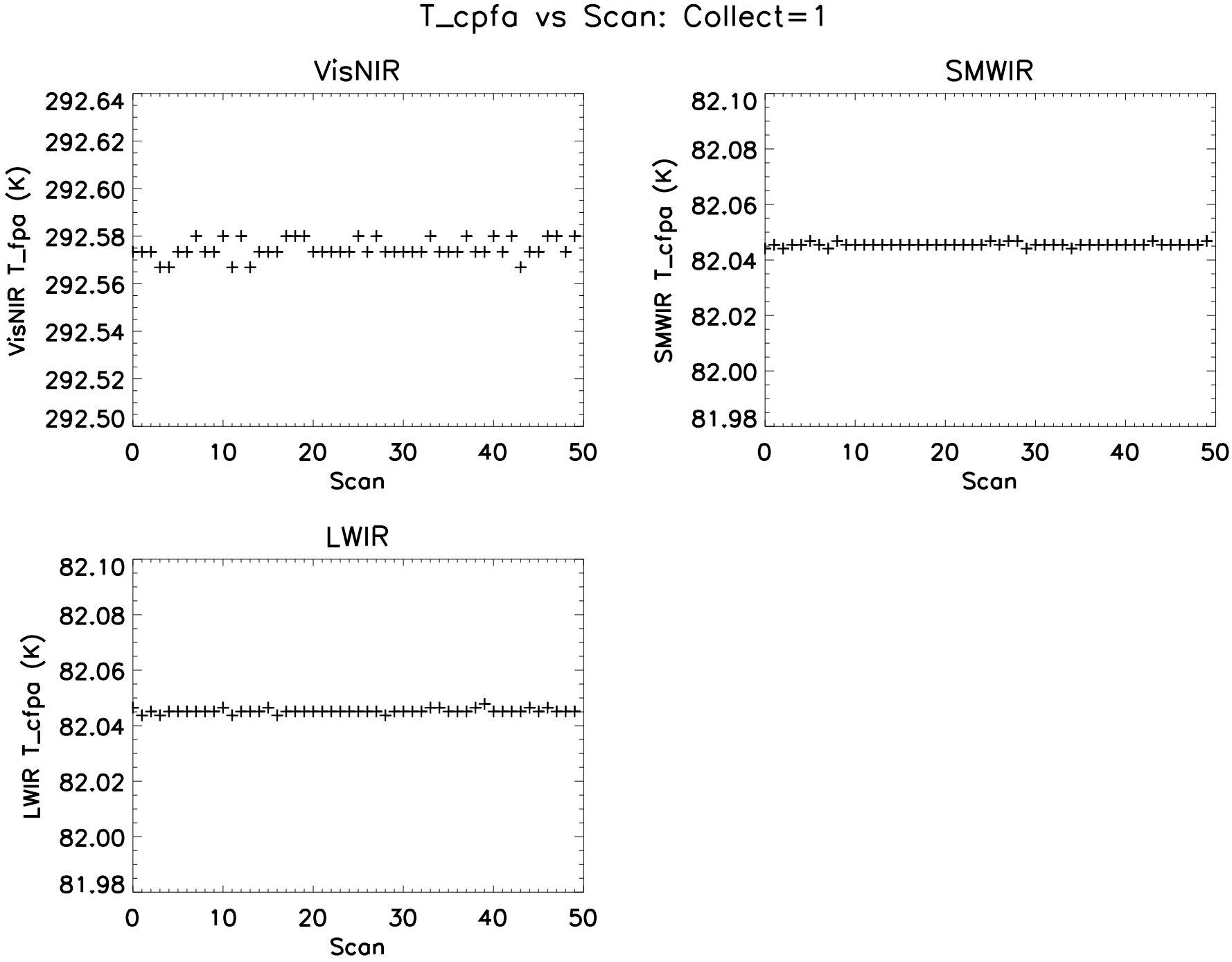


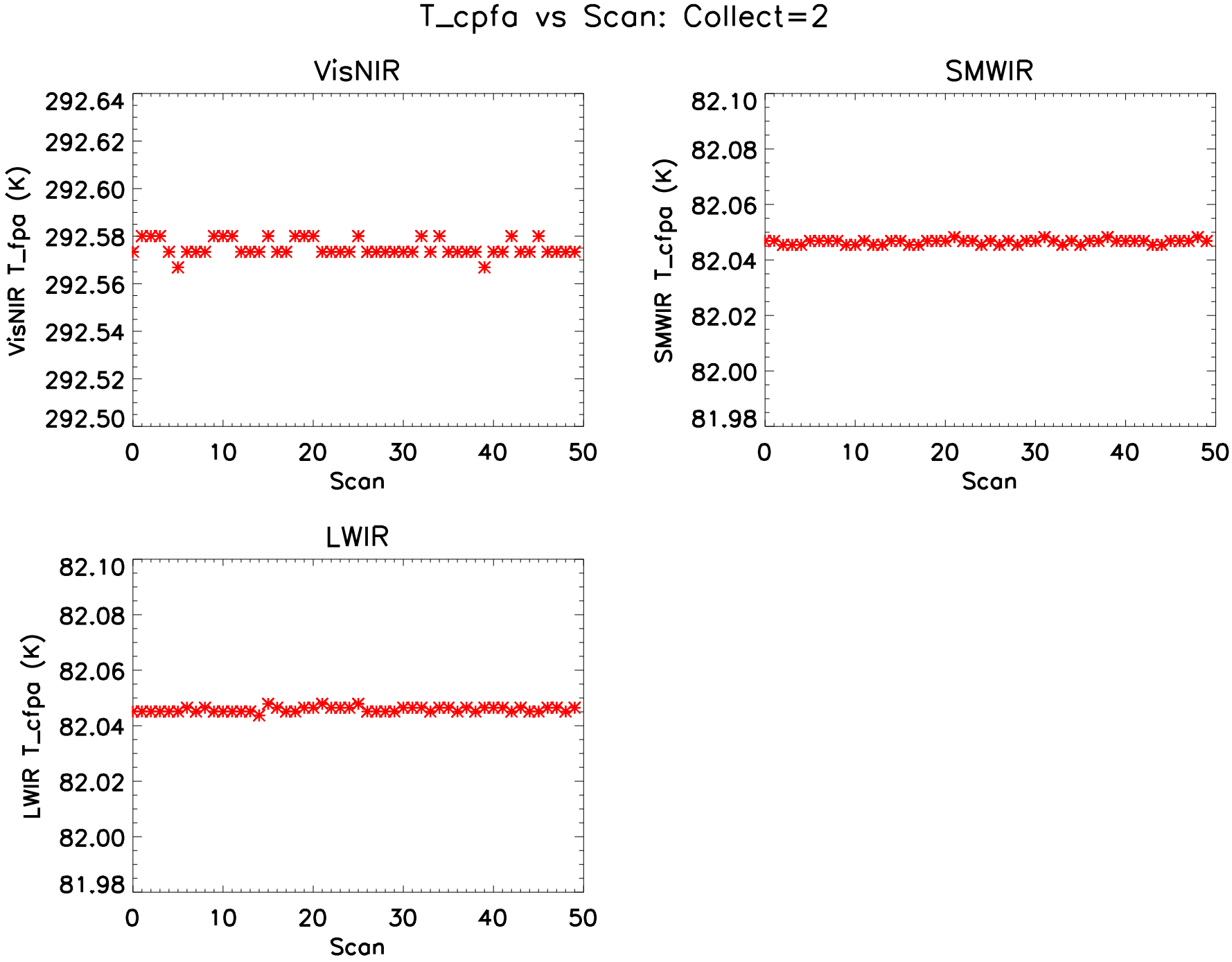

LWIR T_cfpa vs Time
LWIR T_cfpa (K)
82.6
82.4
82.2
82.0
81.8
81.6
81.4
−5
0
5
10
15
20
25
30
Time (min)

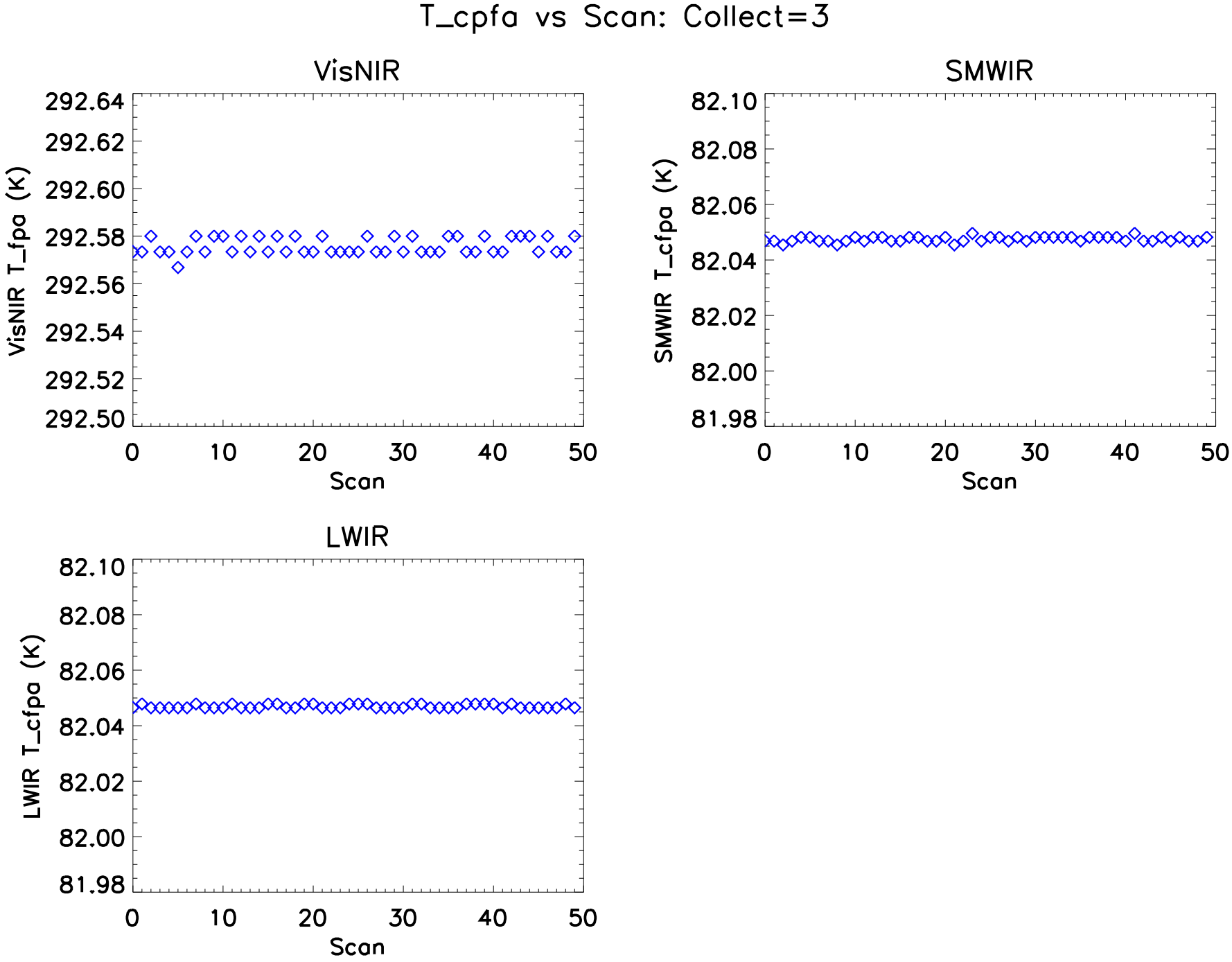

Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
LWIR T_clpo (K)
Scan
82.10
82.08
82.06
82.04
82.02
82.00
81.98
82.12
0
10
20
30
40
50

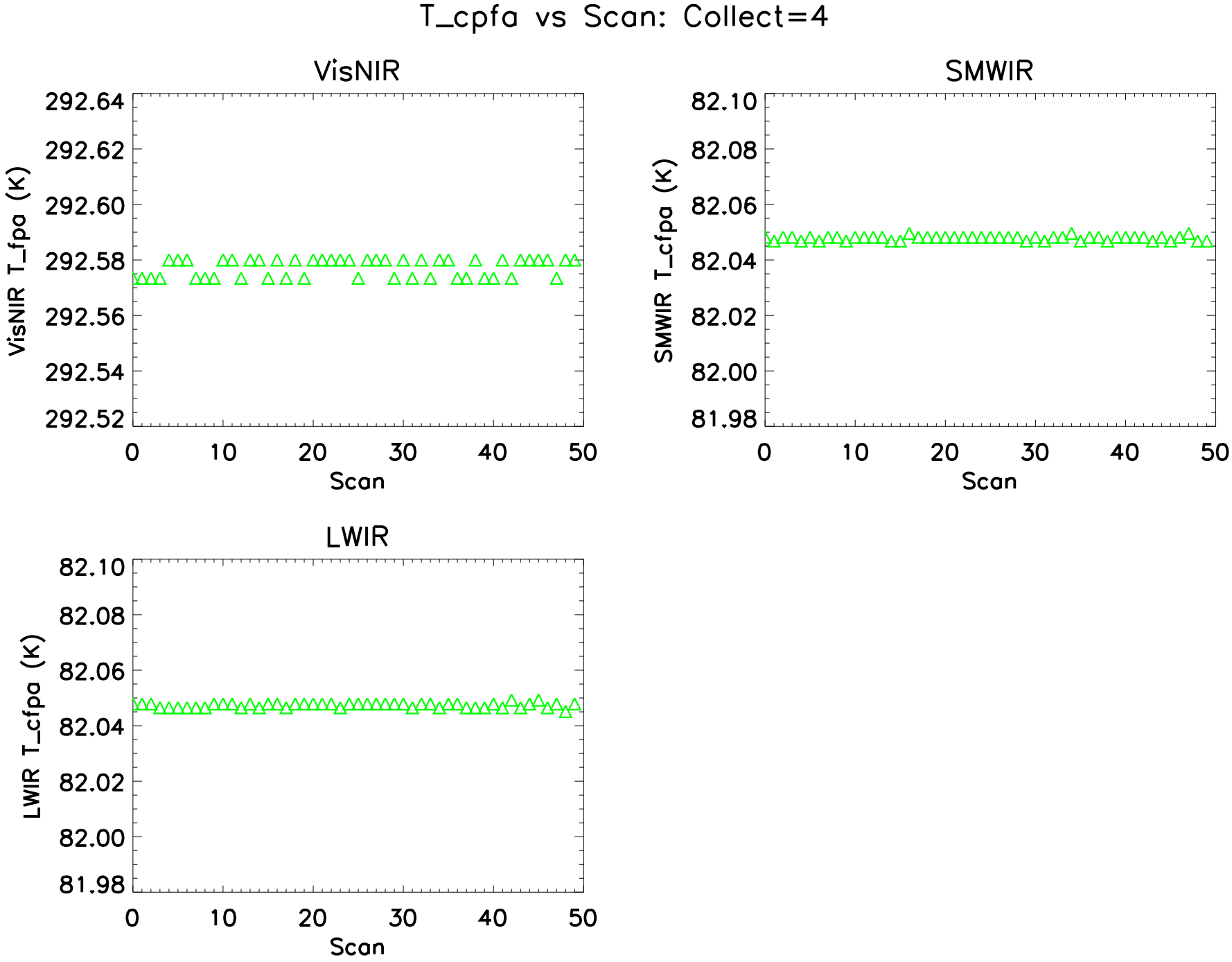
LWIR T_cfpa vs Scan

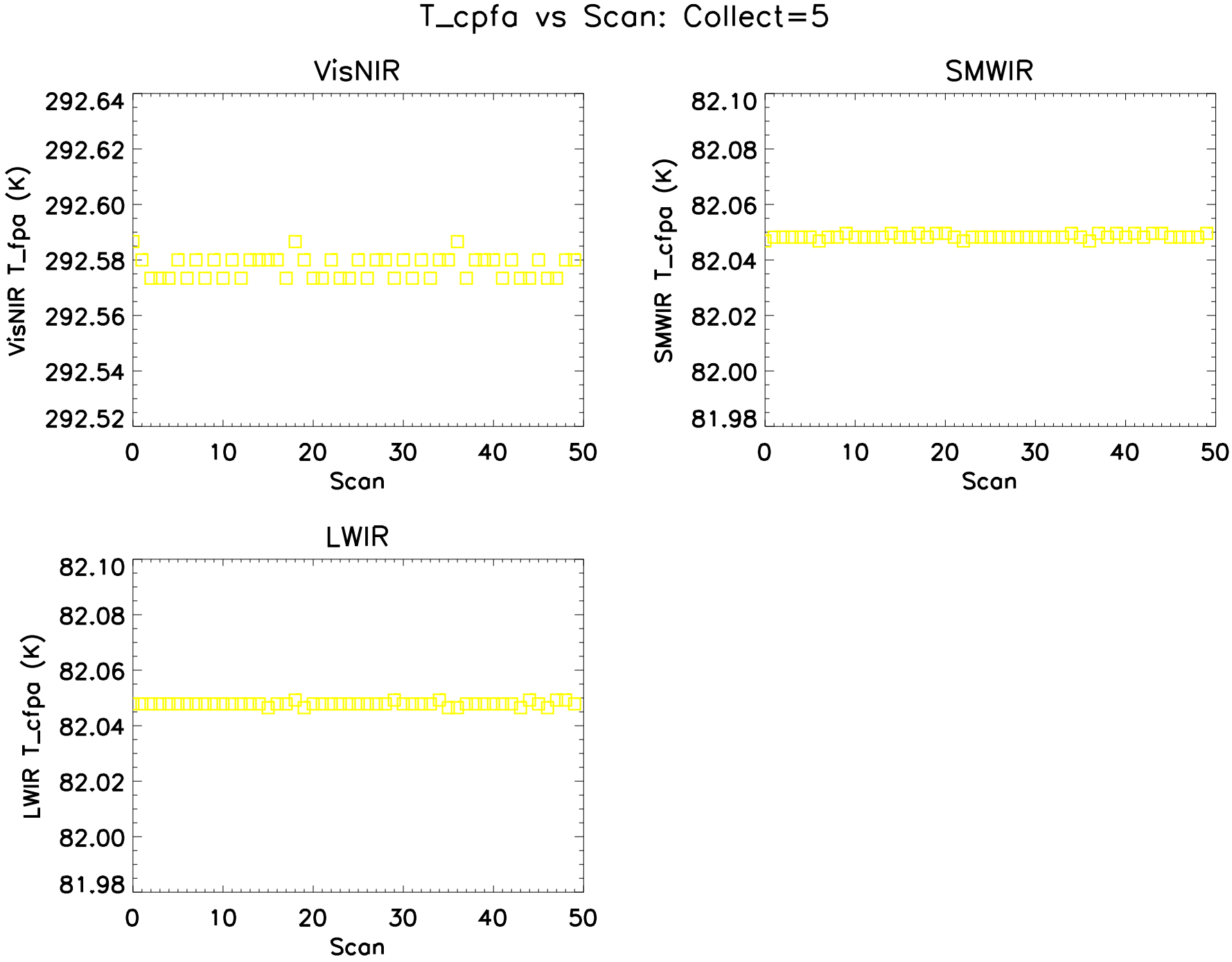


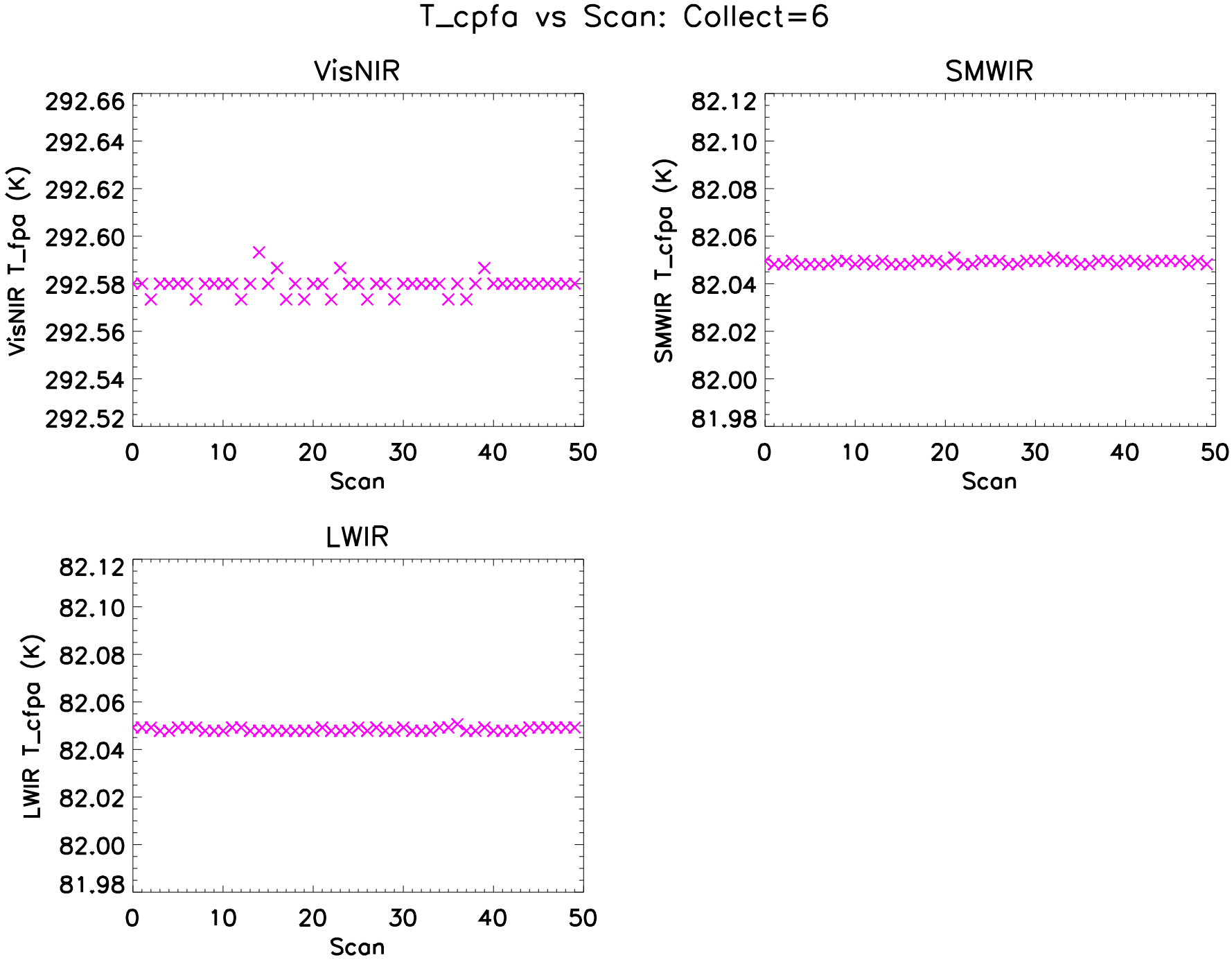

T_cpfa vs Scan: Collect=1
VisNIR
VisNIR T_fpa (K)
292.64
292.62
292.60
292.58
292.56
292.54
292.52
292.50
0
10
20
30
40
50
Scan
SMWIR
SMWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
50
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
50
Scan

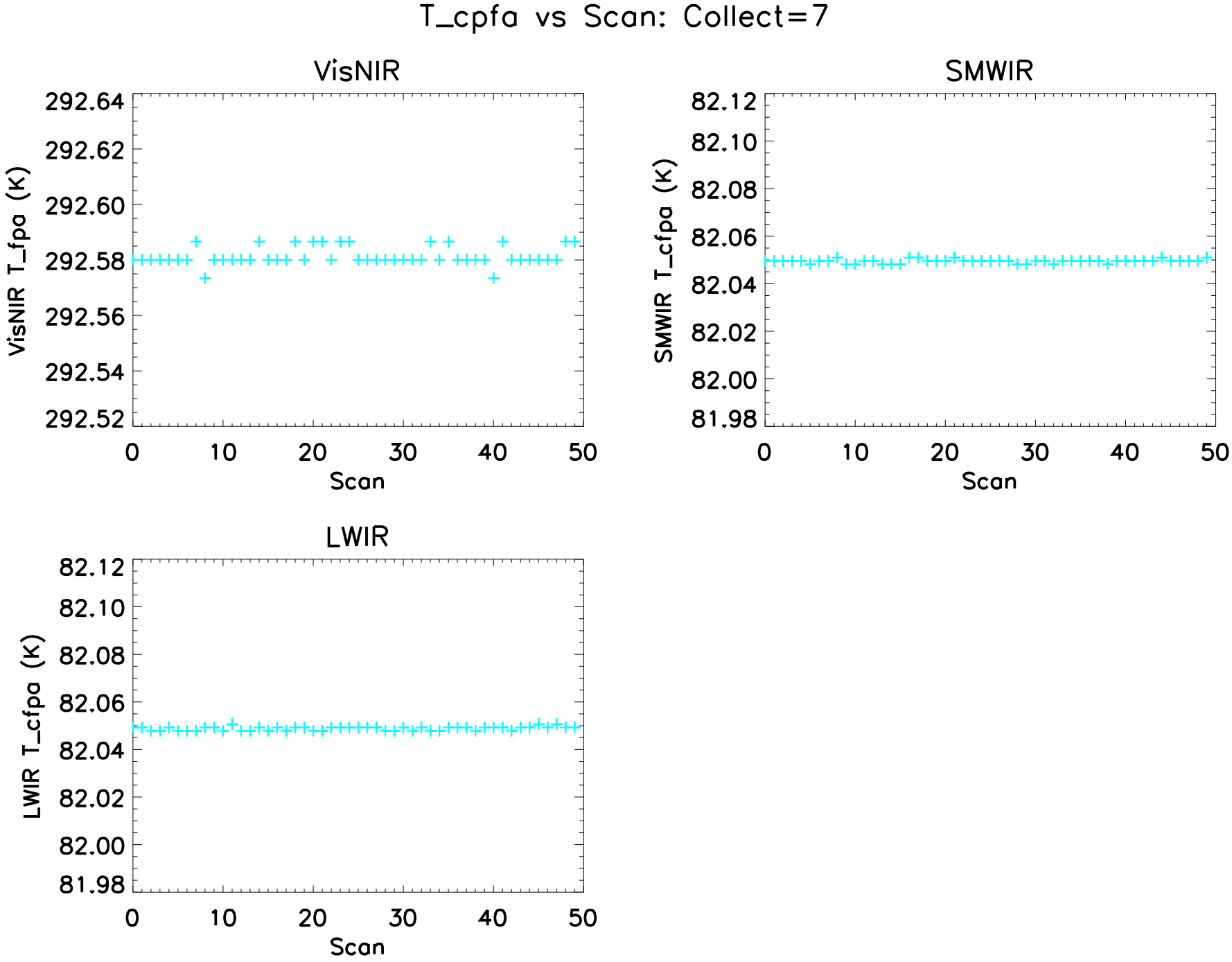

T_cpfa vs Scan: Collect=2
VisNIR
VisNIR T_fpa (K)
292.64
292.62
292.60
292.58
292.56
292.54
292.52
292.50
0
10
20
30
40
50
Scan
SMWIR
SMWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
50
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
50
Scan

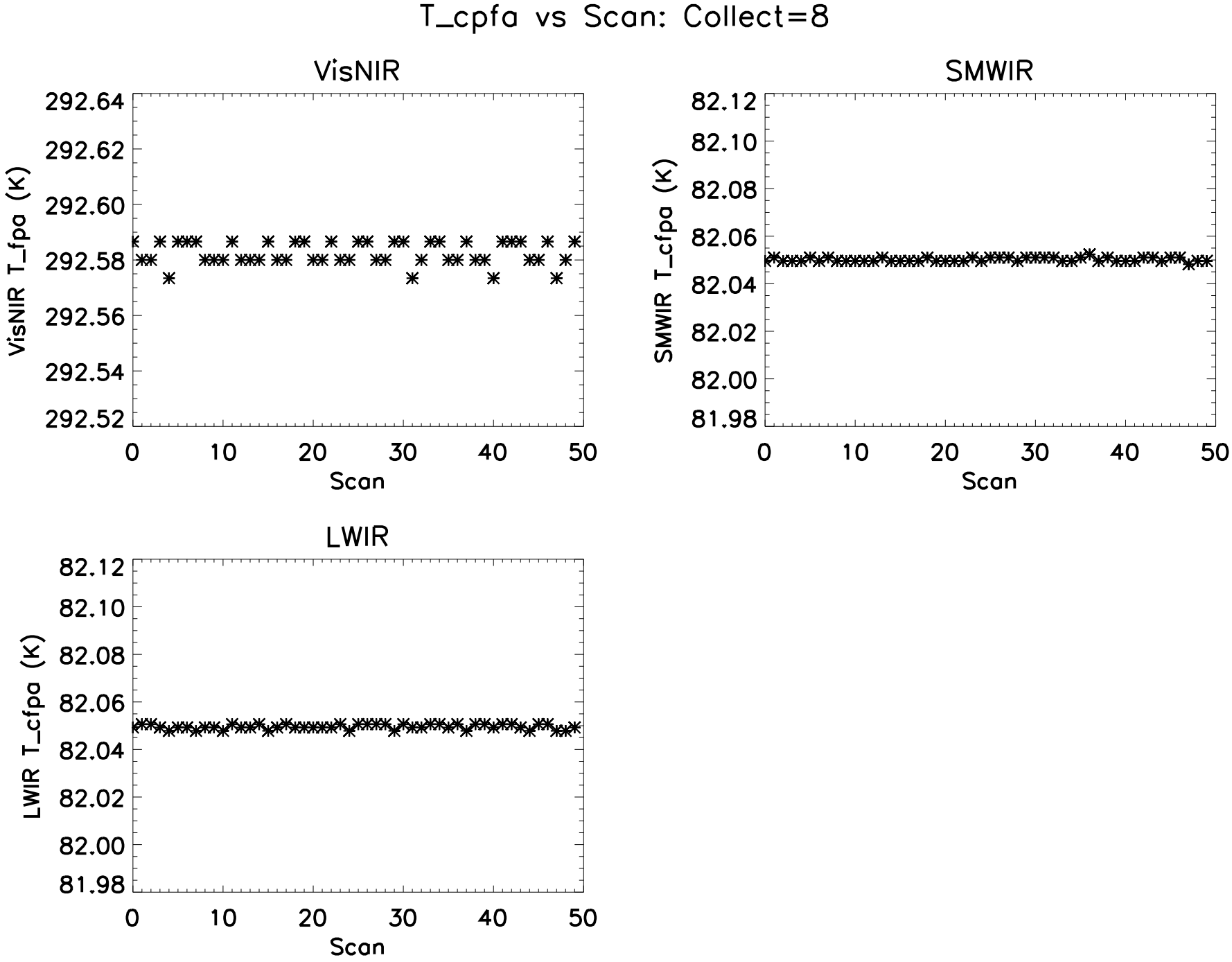

T_cpfa vs Scan: Collect=3
VisNIR
VisNIR T_fpa (K)
292.64
292.62
292.60
292.58
292.56
292.54
292.52
292.50
0
10
20
30
40
50
Scan
SMWIR
SMWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
50
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
50
Scan

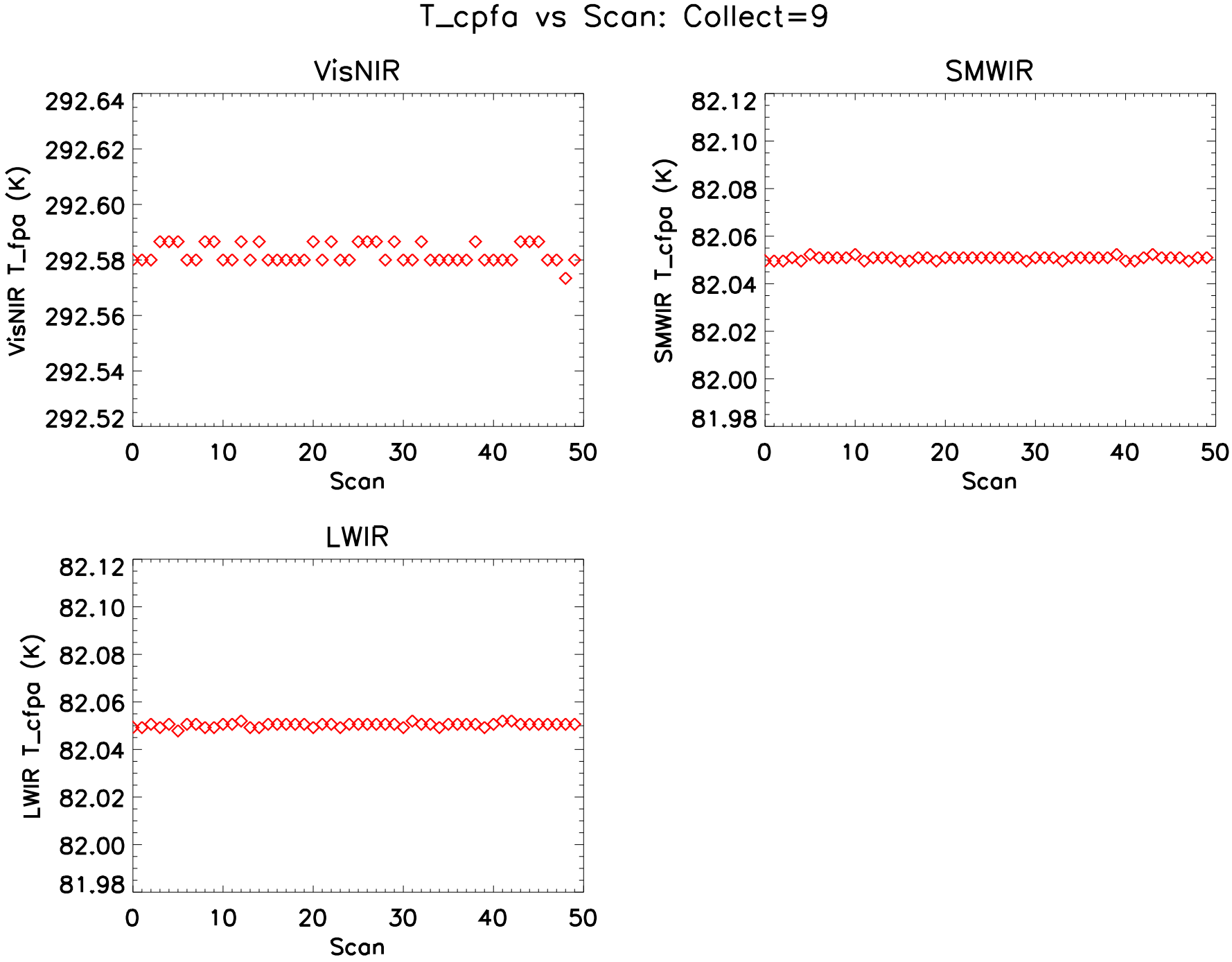

T_cpfa vs Scan: Collect=4
VisNIR
VisNIR T_fpa (K)
292.64
292.62
292.60
292.58
292.56
292.54
292.52
0
10
20
30
40
50
Scan
SMWIR
SMWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
50
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
50
Scan

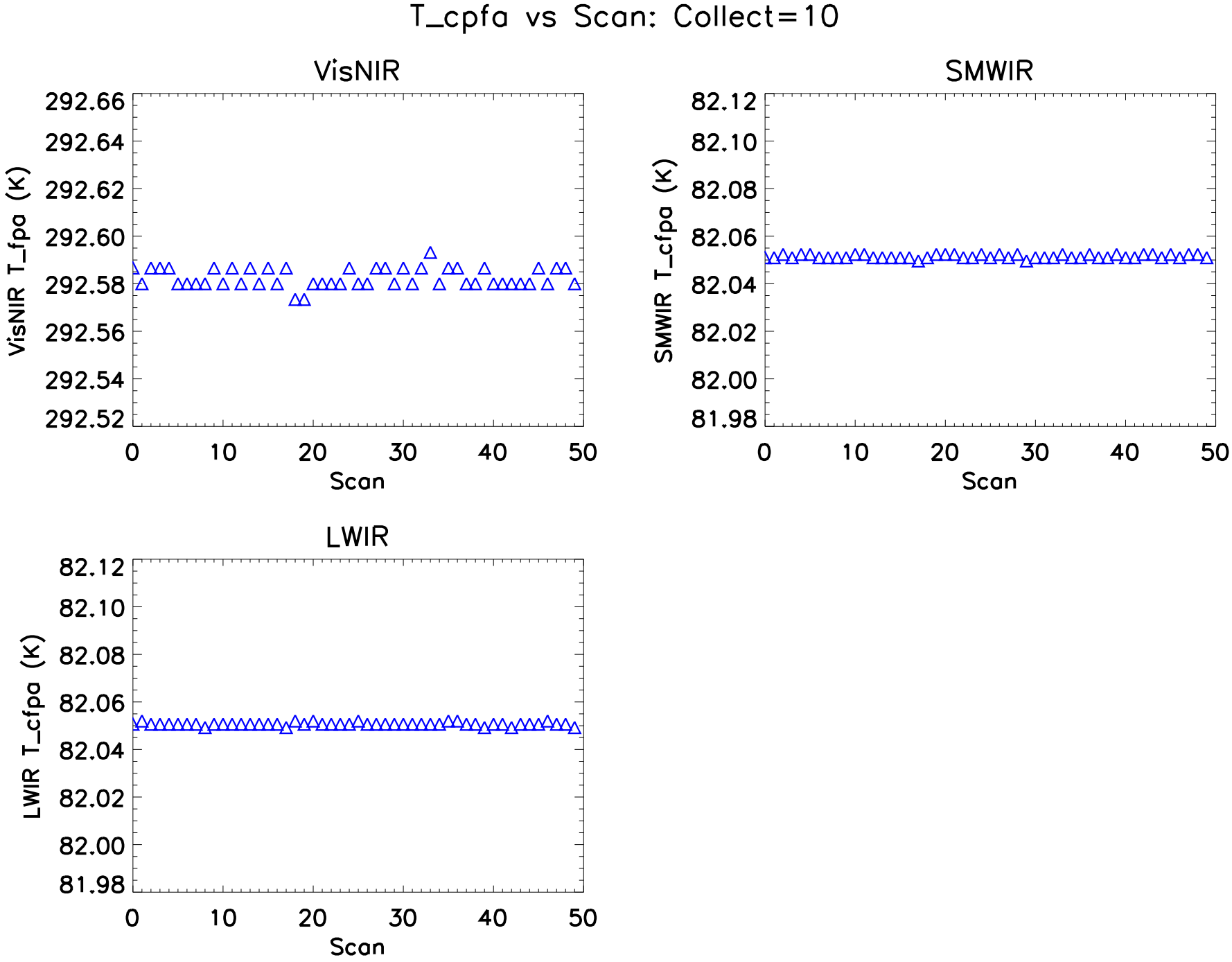

T_cpfa vs Scan: Collect=5
VisNIR
VisNIR T_fpa (K)
292.64
292.62
292.60
292.58
292.56
292.54
292.52
0
10
20
30
40
50
Scan
SMWIR
SMWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
50
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
50
Scan

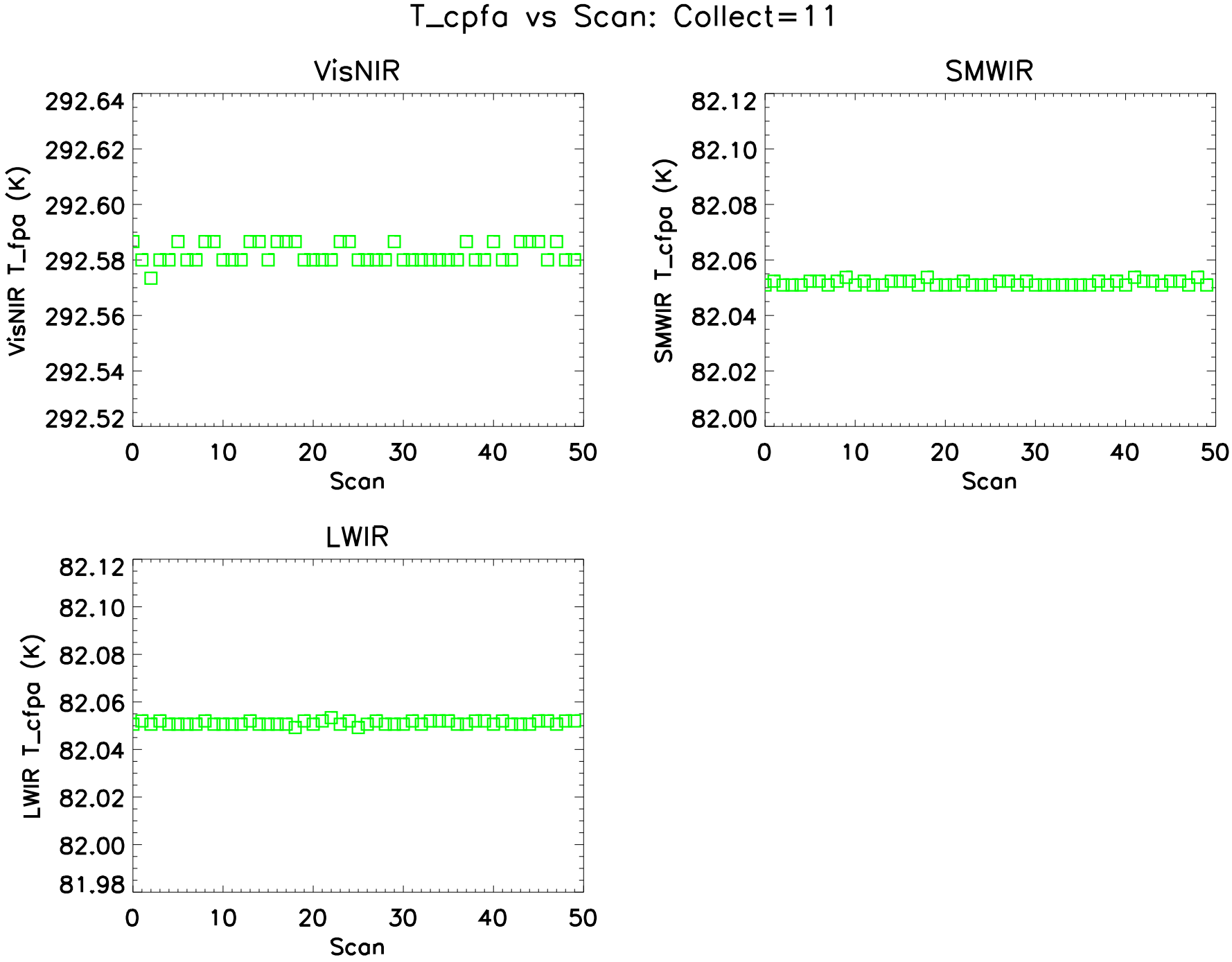

T_cpfa vs Scan: Collect=6
VisNIR
VisNIR T_fpa (K)
292.66
292.64
292.62
292.60
292.58
292.56
292.54
292.52
0
10
20
30
40
50
Scan
SMWIR
SMWIR T_cfpa (K)
82.12
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
50
Scan
LWIR
LWIR T_cfpa (K)
82.12
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
50
Scan

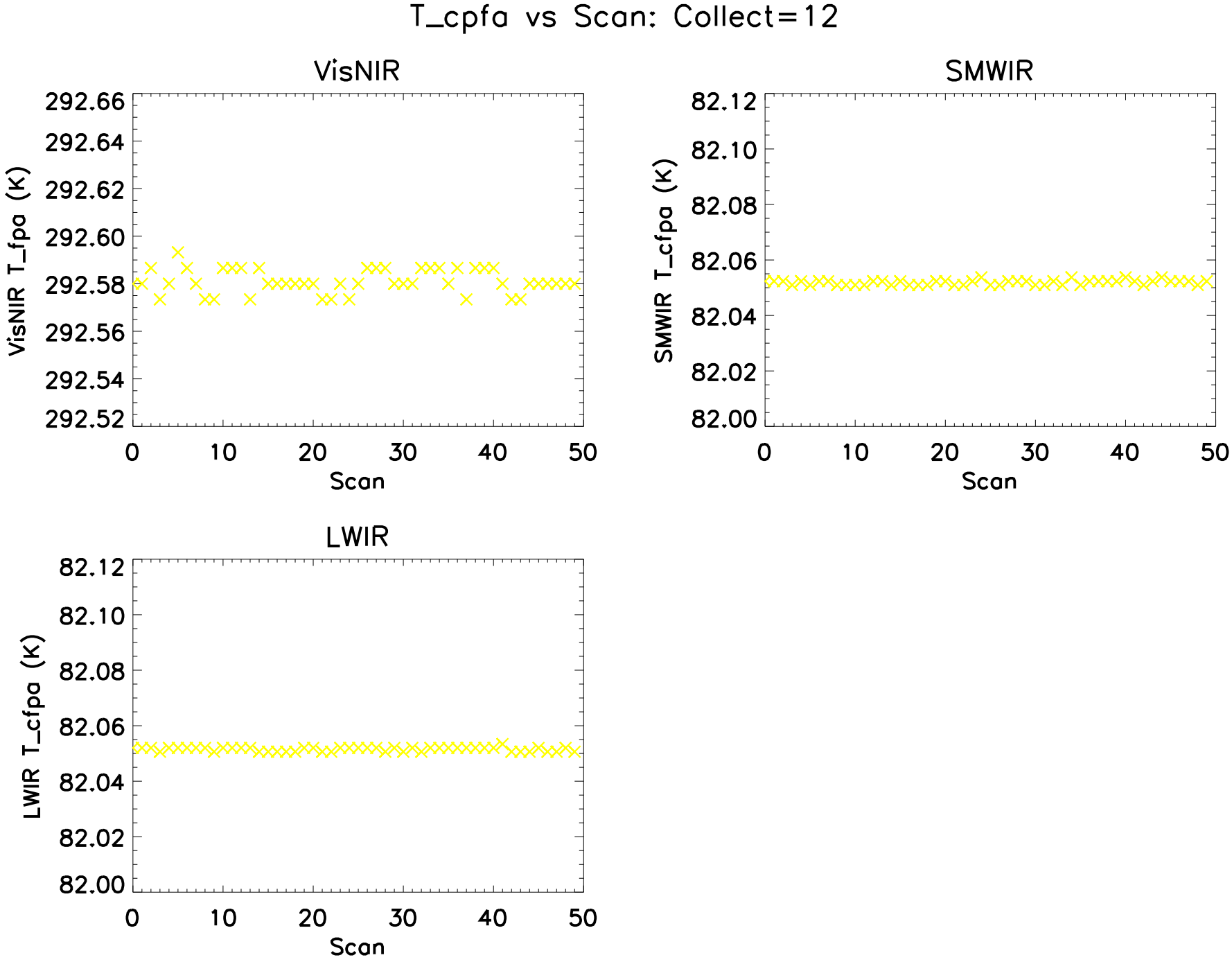

T_cpfa vs Scan: Collect=7
VisNIR
VisNIR T_fpa (K)
292.64
292.62
292.60
292.58
292.56
292.54
292.52
0
10
20
30
40
50
Scan
SMWIR
SMWIR T_cfpa (K)
82.12
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
50
Scan
LWIR
LWIR T_cfpa (K)
82.12
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
50
Scan

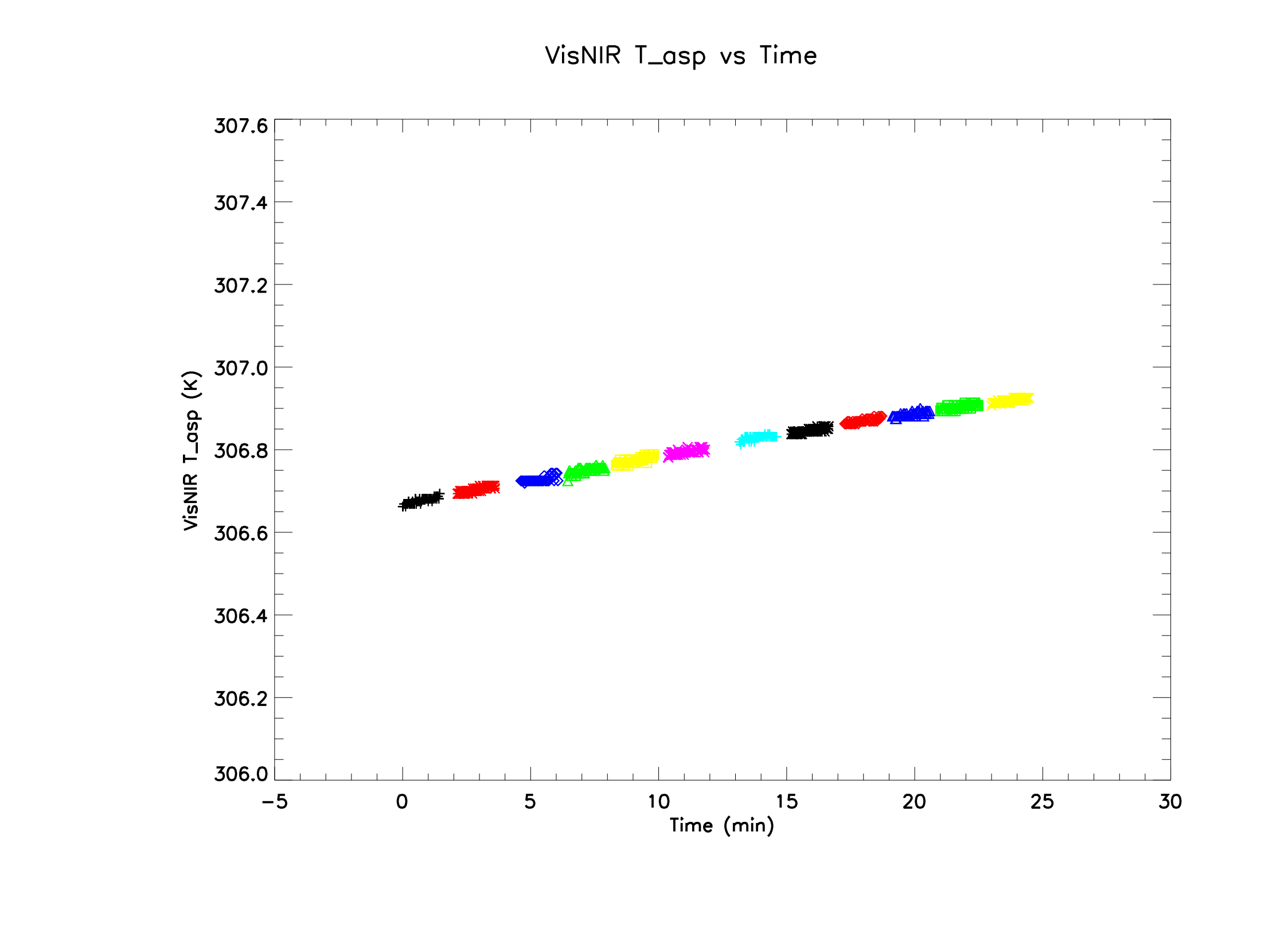

T_cpfa vs Scan: Collect=8
VisNIR
VisNIR T_fpa (K)
292.64
292.62
292.60
292.58
292.56
292.54
292.52
0
10
20
30
40
50
Scan
SMWIR
SMWIR T_cfpa (K)
82.12
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
50
Scan
LWIR
LWIR T_cfpa (K)
82.12
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
50
Scan

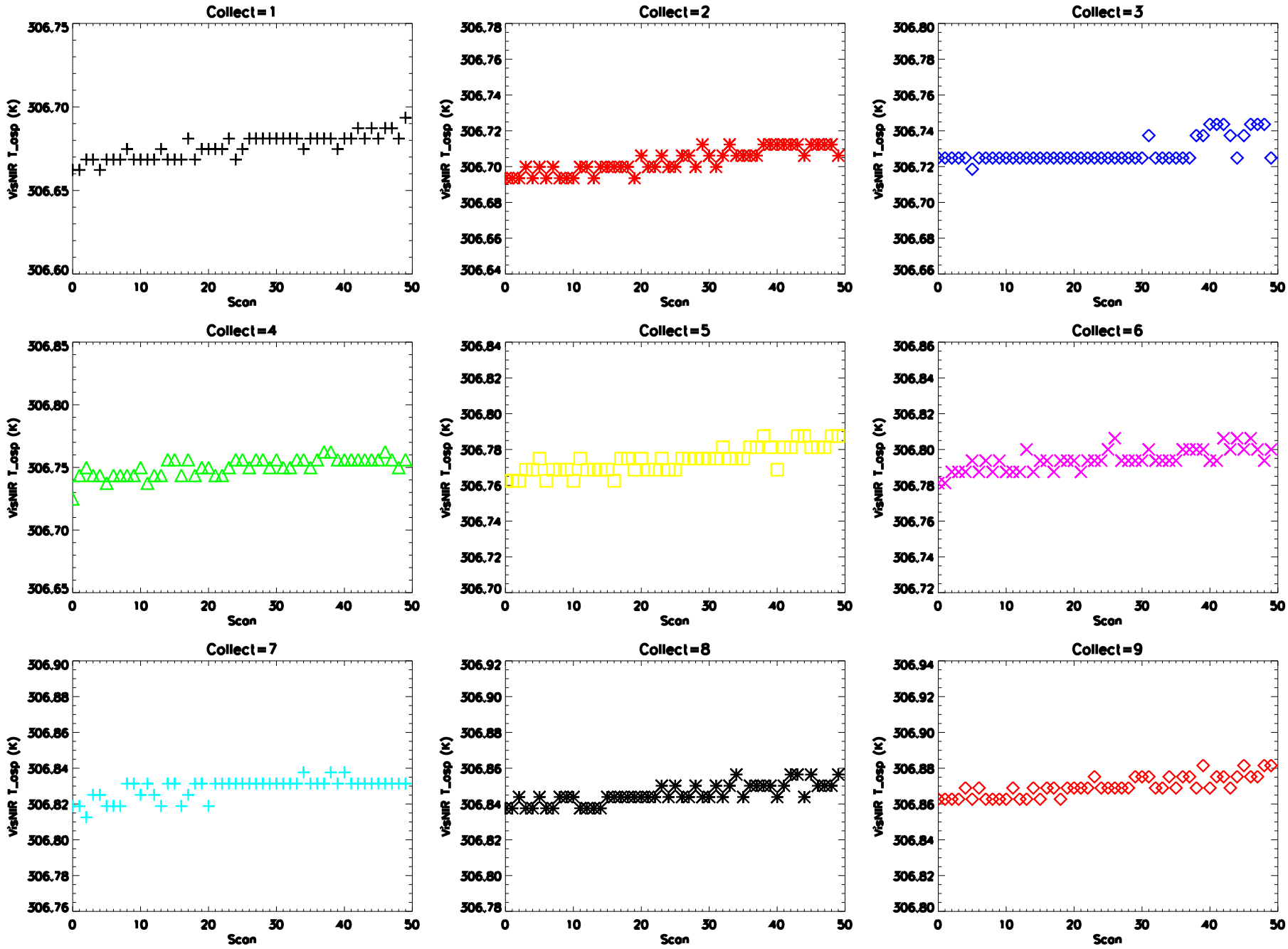

T_cpfa vs Scan: Collect=9
VisNIR
VisNIR T_fpa (K)
292.64
292.62
292.60
292.58
292.56
292.54
292.52
0
10
20
30
40
50
Scan
SMWIR
SMWIR T_cfpa (K)
82.12
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
50
Scan
LWIR
LWIR T_cfpa (K)
82.12
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
50
Scan


T_cpfa vs Scan: Collect=10
VisNIR
VisNIR T_fpa (K)
292.66
292.64
292.62
292.60
292.58
292.56
292.54
292.52
0
10
20
30
40
50
Scan
SMWIR
SMWIR T_cfpa (K)
82.12
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
50
Scan
LWIR
LWIR T_cfpa (K)
82.12
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
50
Scan

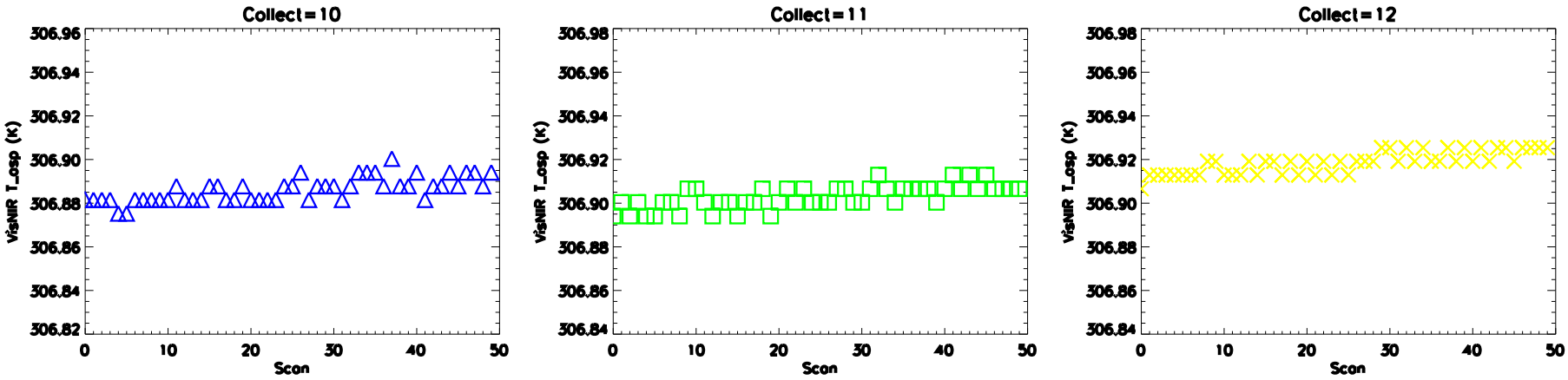

T_cpfa vs Scan: Collect=11
VisNIR
VisNIR T_fpa (K)
292.64
292.62
292.60
292.58
292.56
292.54
292.52
0
10
20
30
40
50
Scan
SMWIR
SMWIR T_cfpa (K)
82.12
82.10
82.08
82.06
82.04
82.02
82.00
0
10
20
30
40
50
Scan
LWIR
LWIR T_cfpa (K)
82.12
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
50
Scan

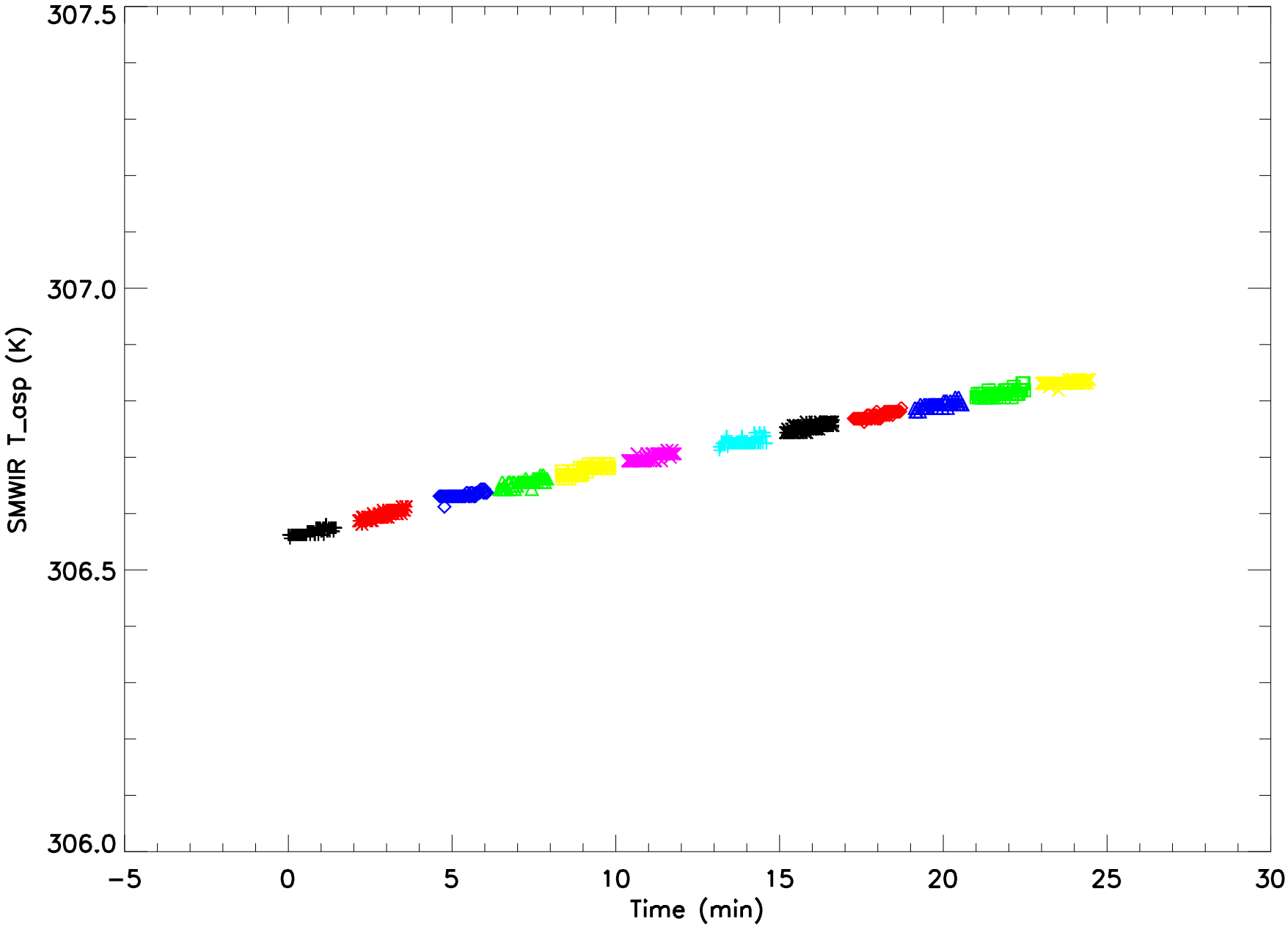

T_cpfa vs Scan: Collect=12
VisNIR
VisNIR T_fpa (K)
292.66
292.64
292.62
292.60
292.58
292.56
292.54
292.52
0
10
20
30
40
50
Scan
SMWIR
SMWIR T_cfpa (K)
82.12
82.10
82.08
82.06
82.04
82.02
82.00
0
10
20
30
40
50
Scan
LWIR
LWIR T_cfpa (K)
82.12
82.10
82.08
82.06
82.04
82.02
82.00
0
10
20
30
40
50
Scan

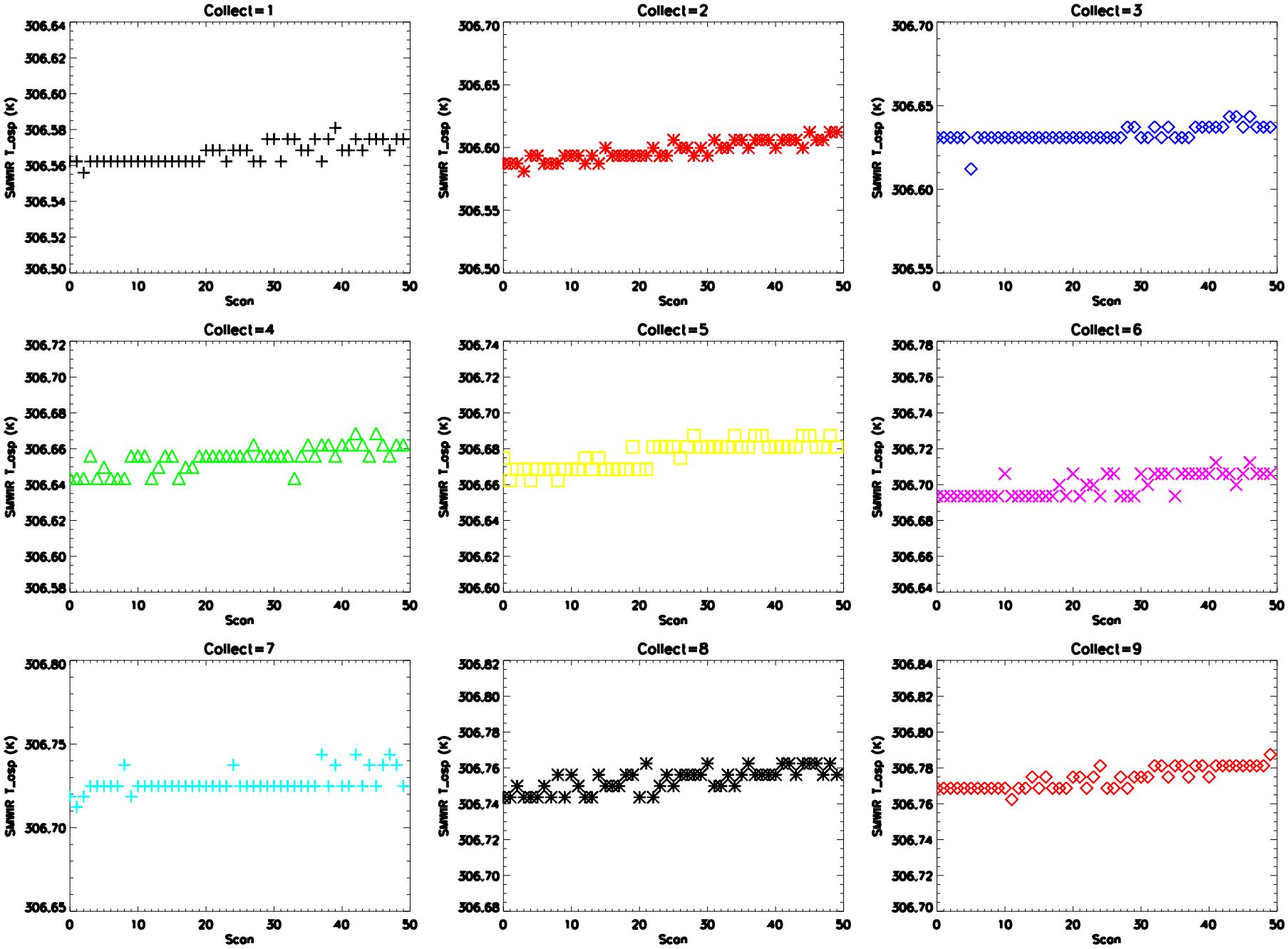

VisNIR T_asp vs Time
VisNIR T_asp (K)
307.6
307.4
307.2
307.0
306.8
306.6
306.4
306.2
306.0
−5
0
5
10
15
20
25
30
Time (min)


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

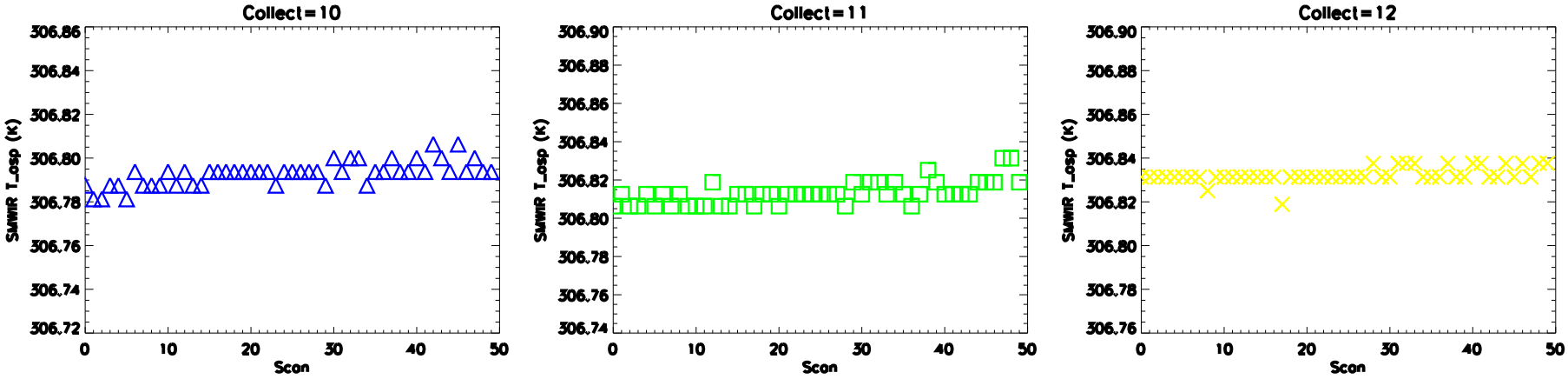
VisNIR T_asp vs Scan

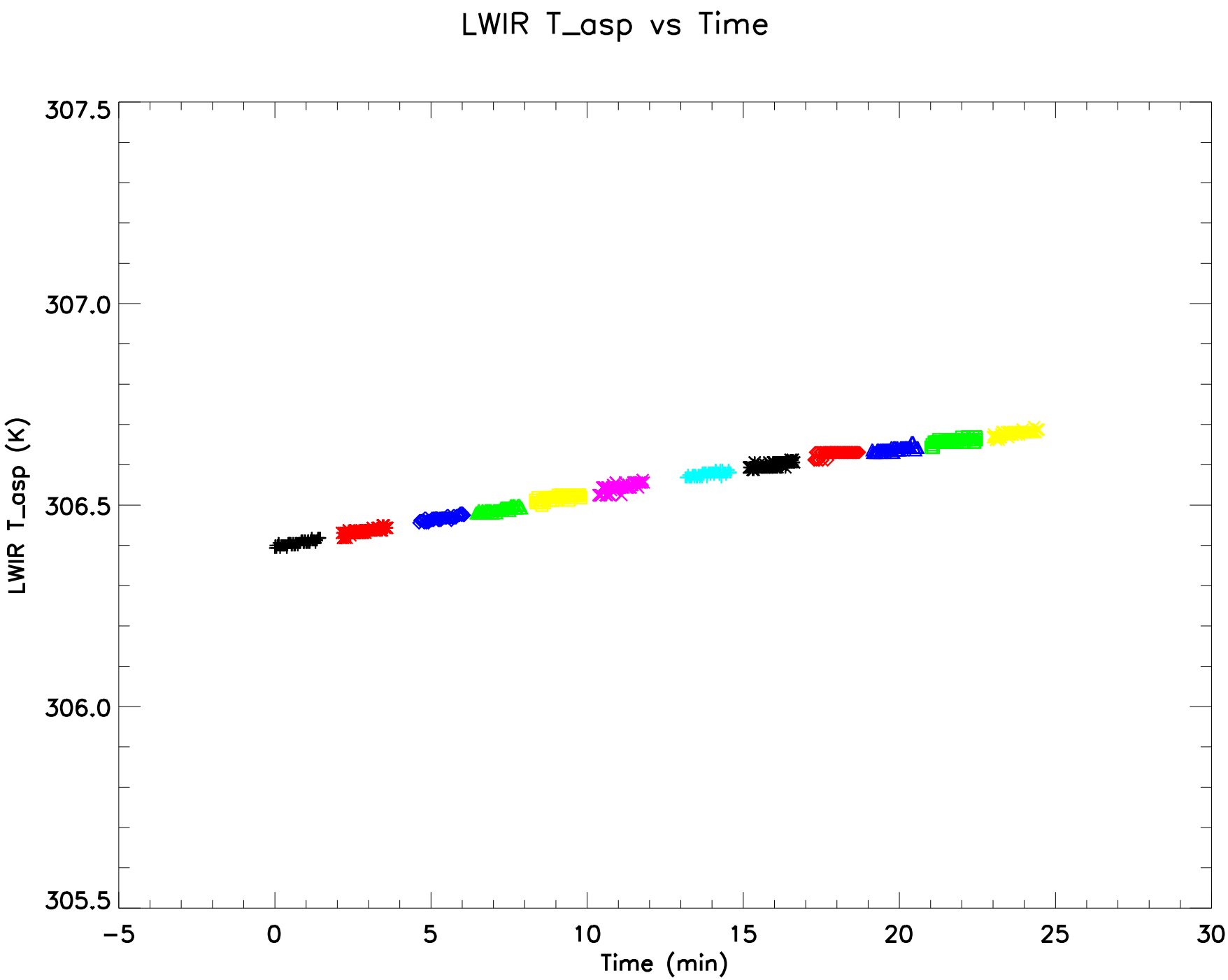


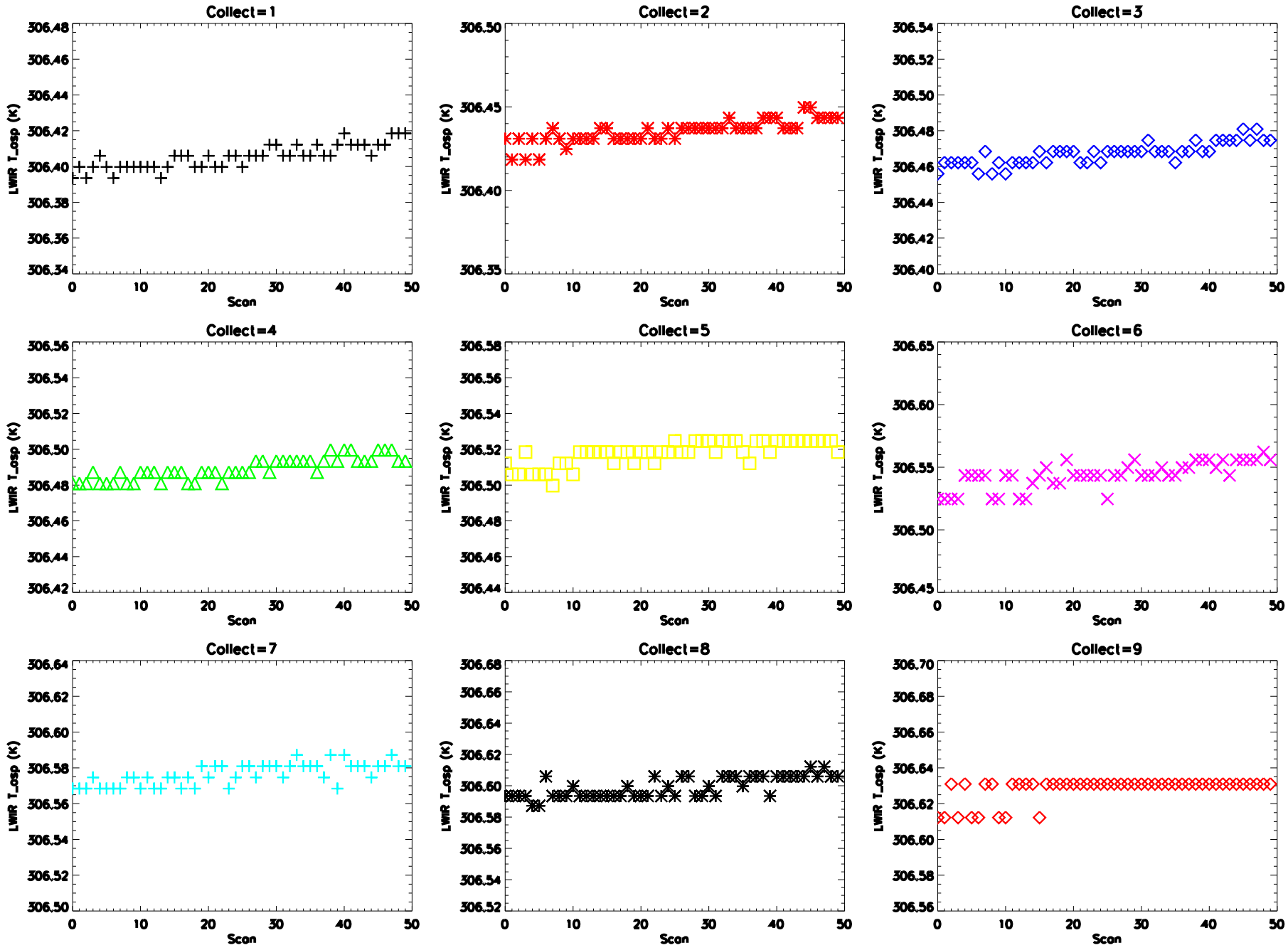

SMWIR T_asp vs Time
307.5
307.0
306.5
306.0
SMWIR T_asp (K)
−5
0
5
10
15
20
25
30
Time (min)


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

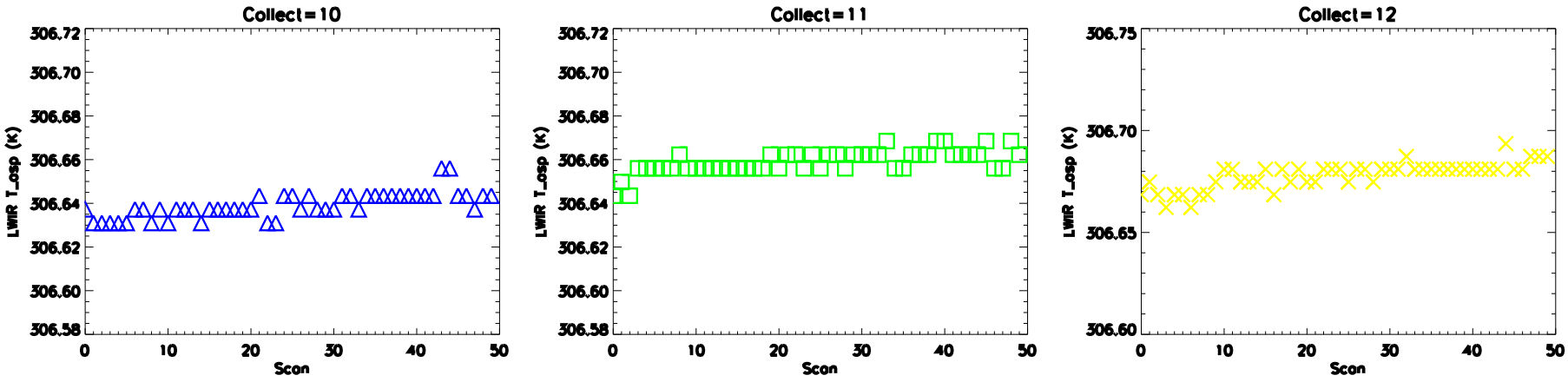
SMWIR T_asp vs Scan

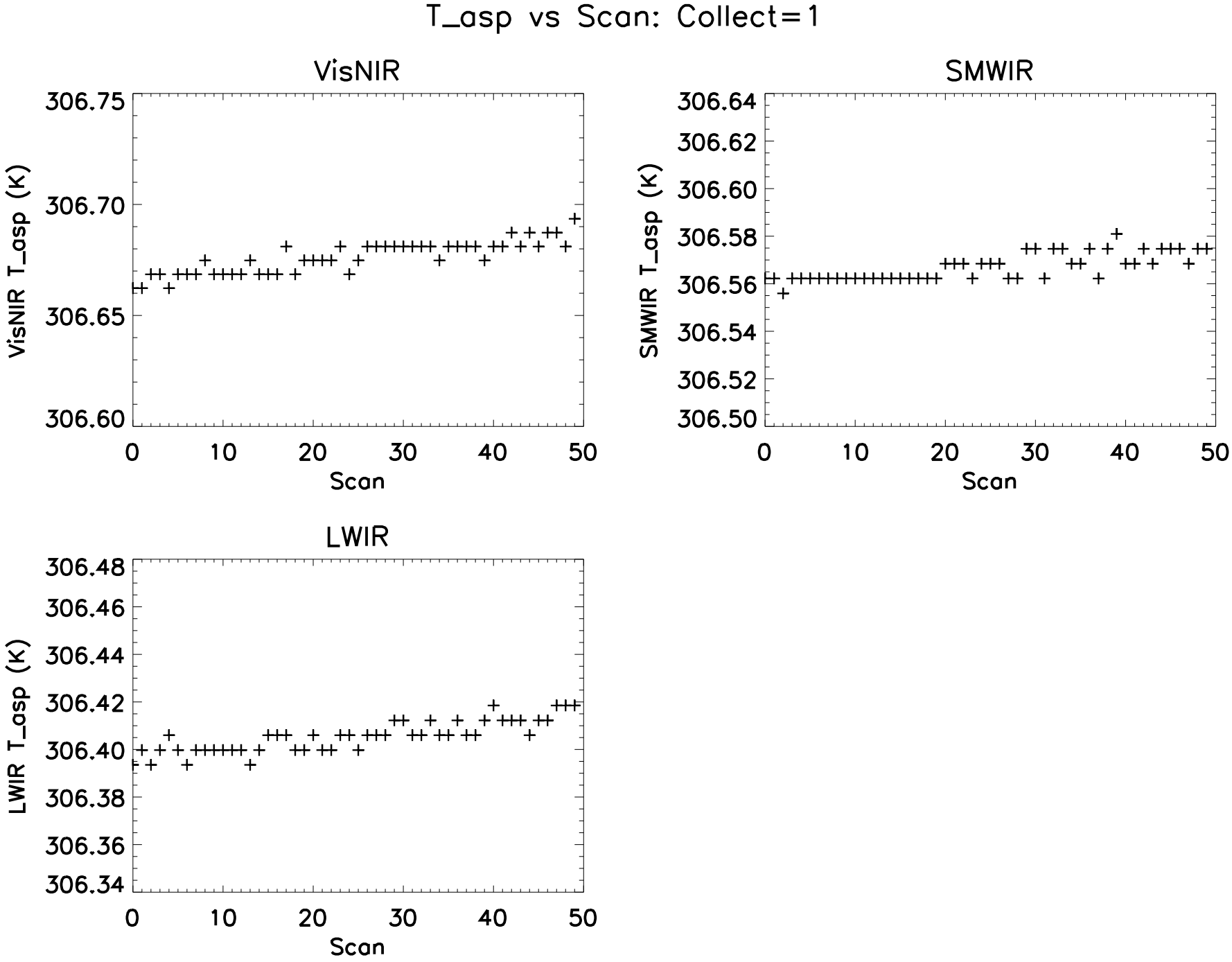


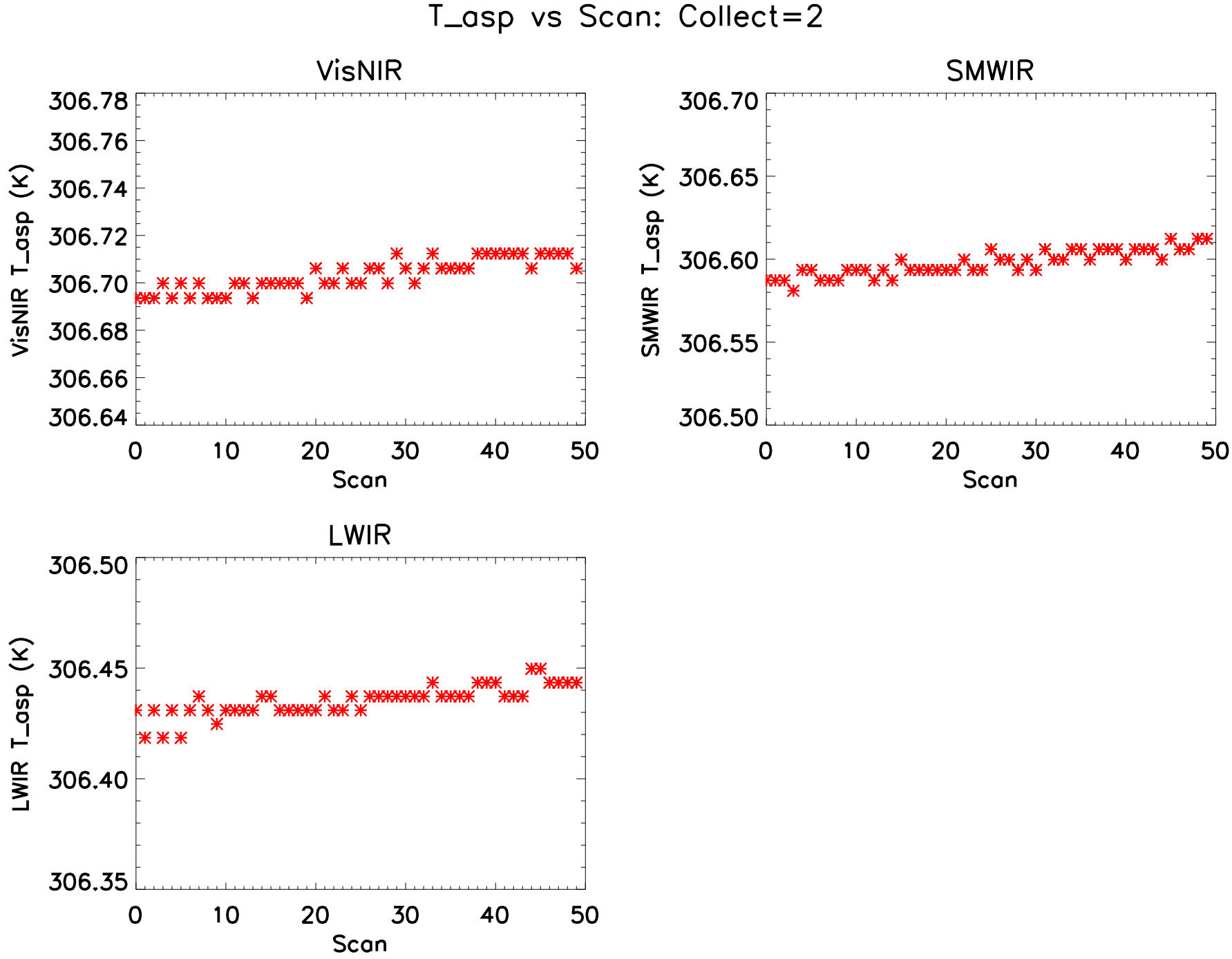

LWIR T_asp vs Time
LWIR T_asp (K)
307.5
307.0
306.5
306.0
305.5
−5
0
5
10
15
20
25
30
Time (min)

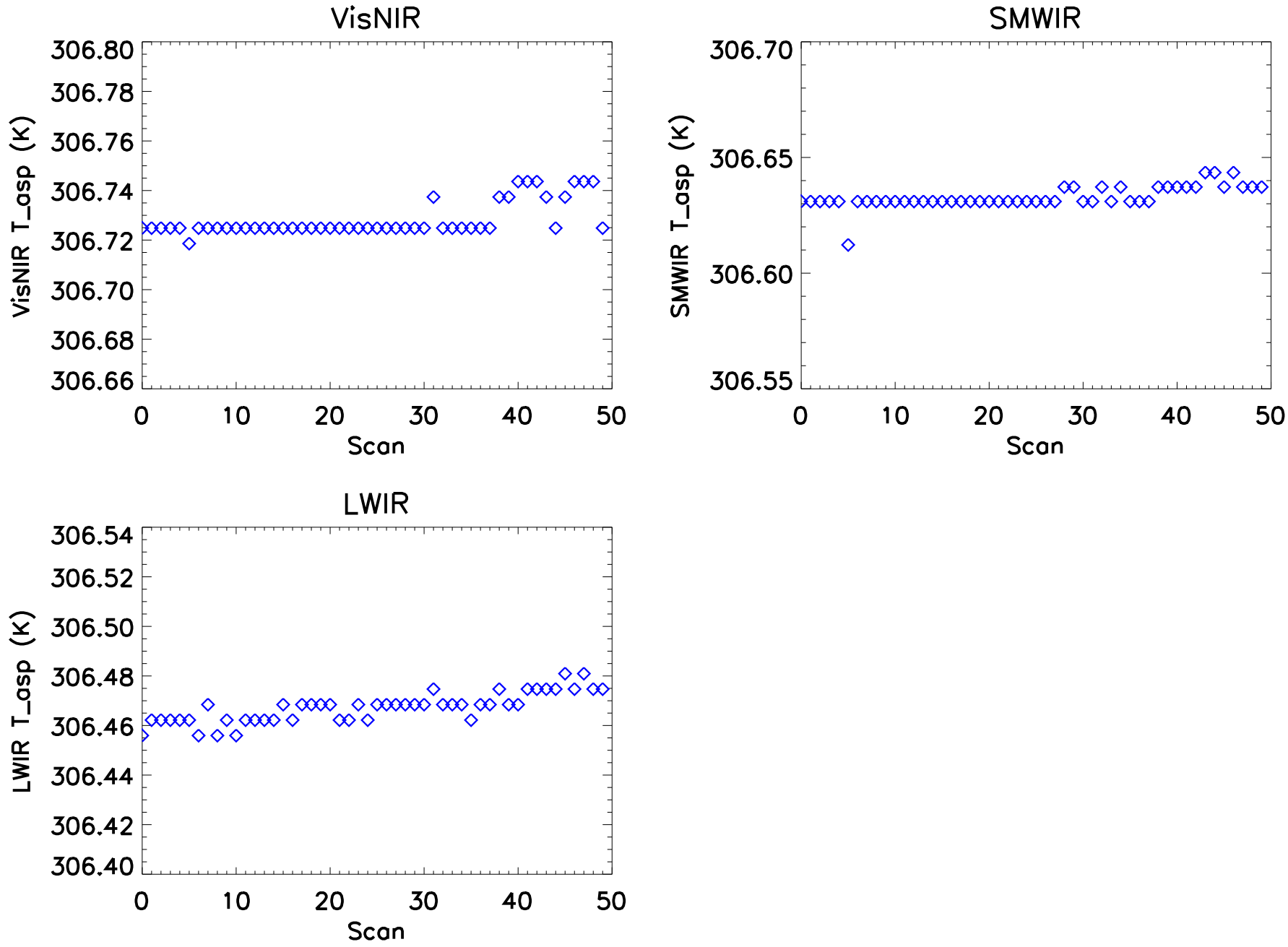

Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
LWIR T_osp (K)
Scan

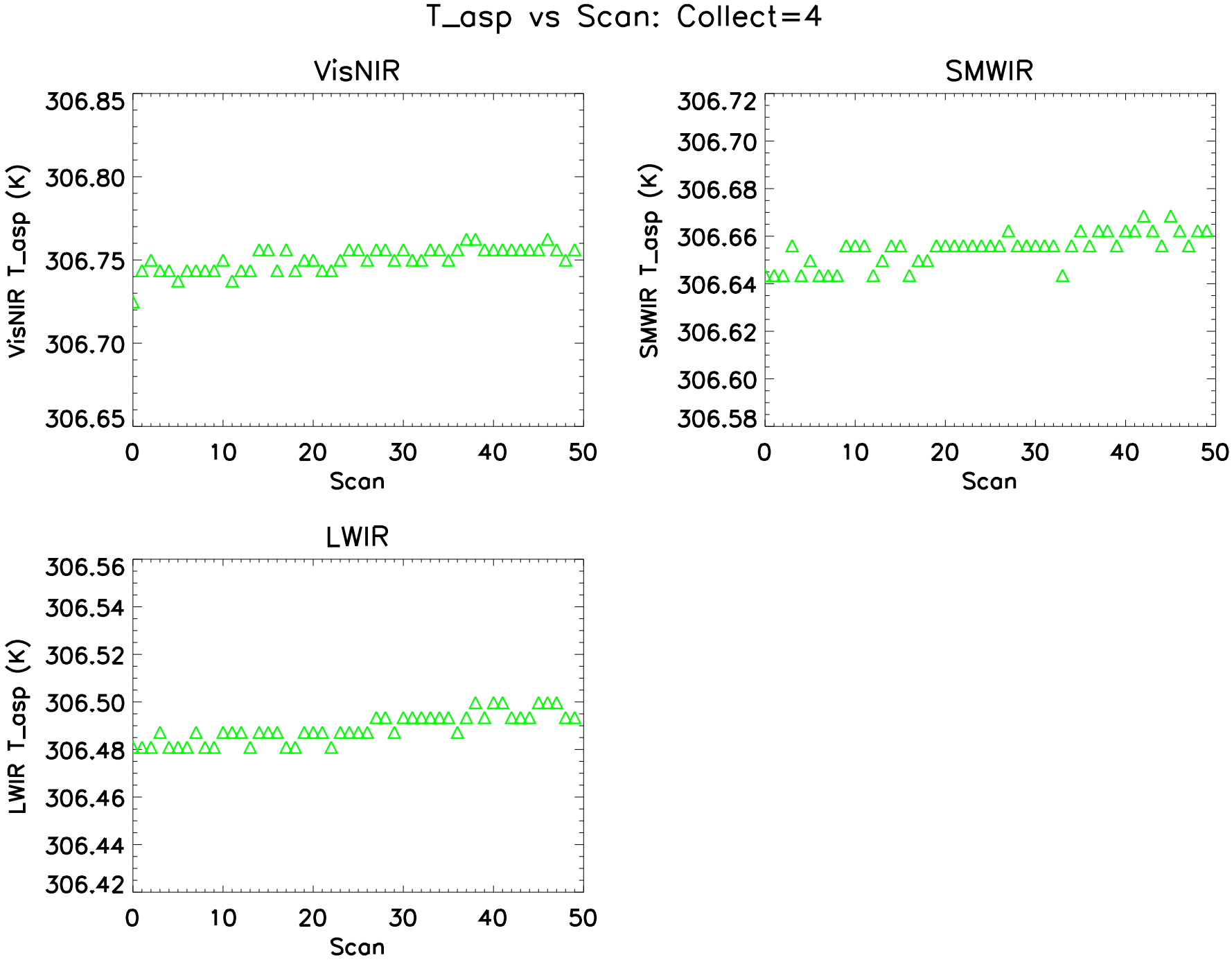
LWIR T_asp vs Scan

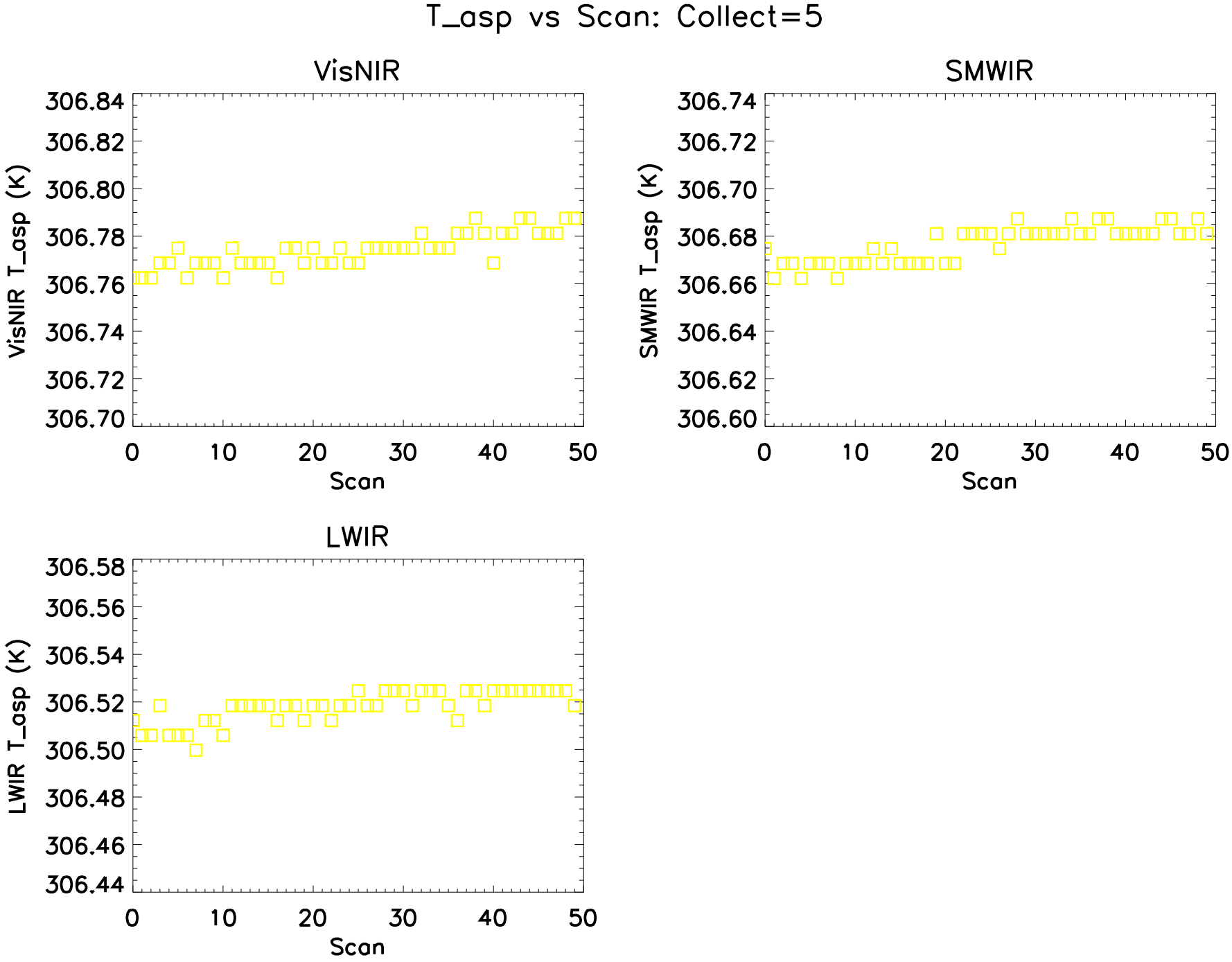


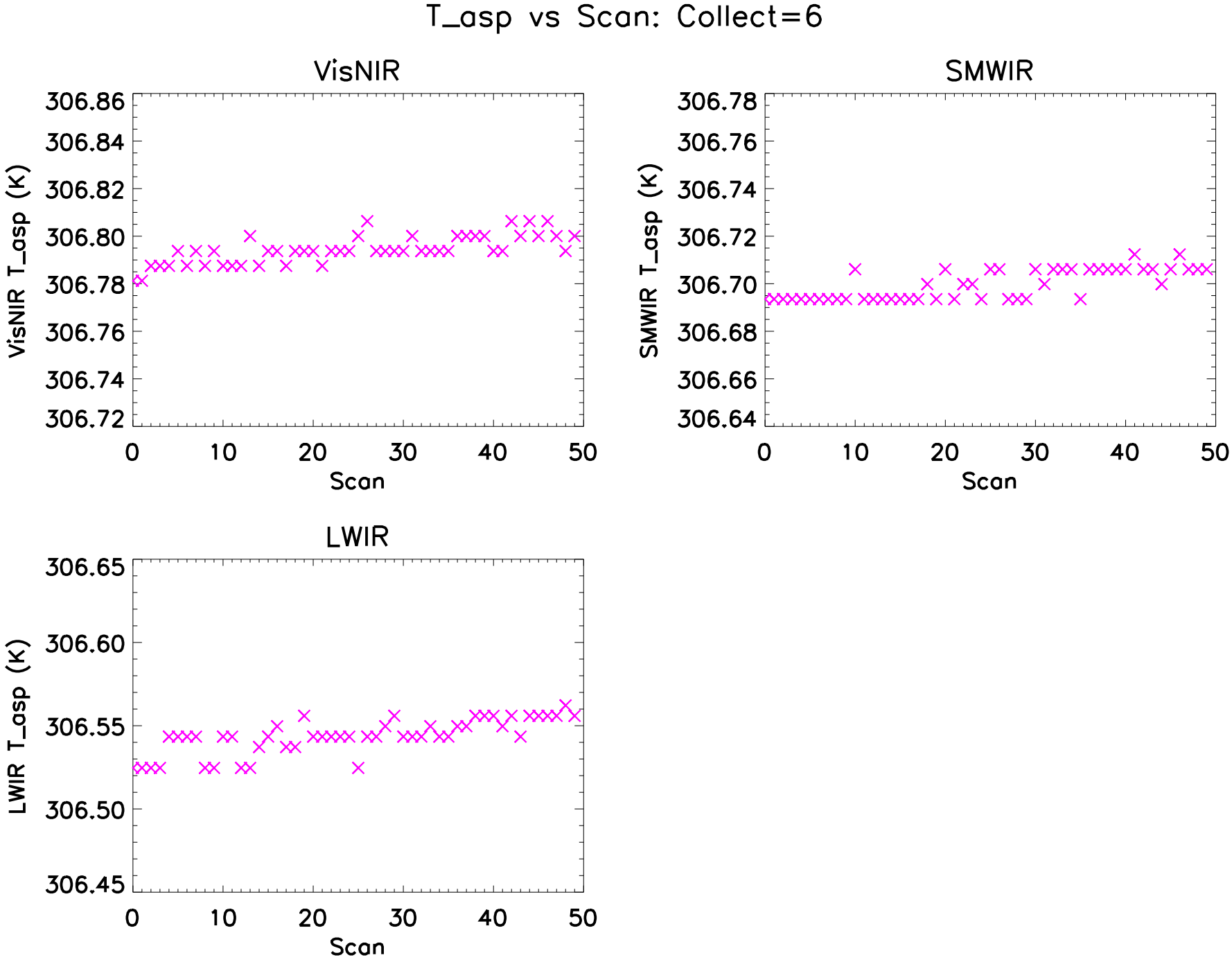

T_asp vs Scan: Collect=1
VisNIR
VisNIR T_asp (K)
306.75
306.70
306.65
306.60
0
10
20
30
40
50
Scan
SMWIR
SMWIR T_asp (K)
306.64
306.62
306.60
306.58
306.56
306.54
306.52
306.50
0
10
20
30
40
50
Scan
LWIR
LWIR T_asp (K)
306.48
306.46
306.44
306.42
306.40
306.38
306.36
306.34
0
10
20
30
40
50
Scan

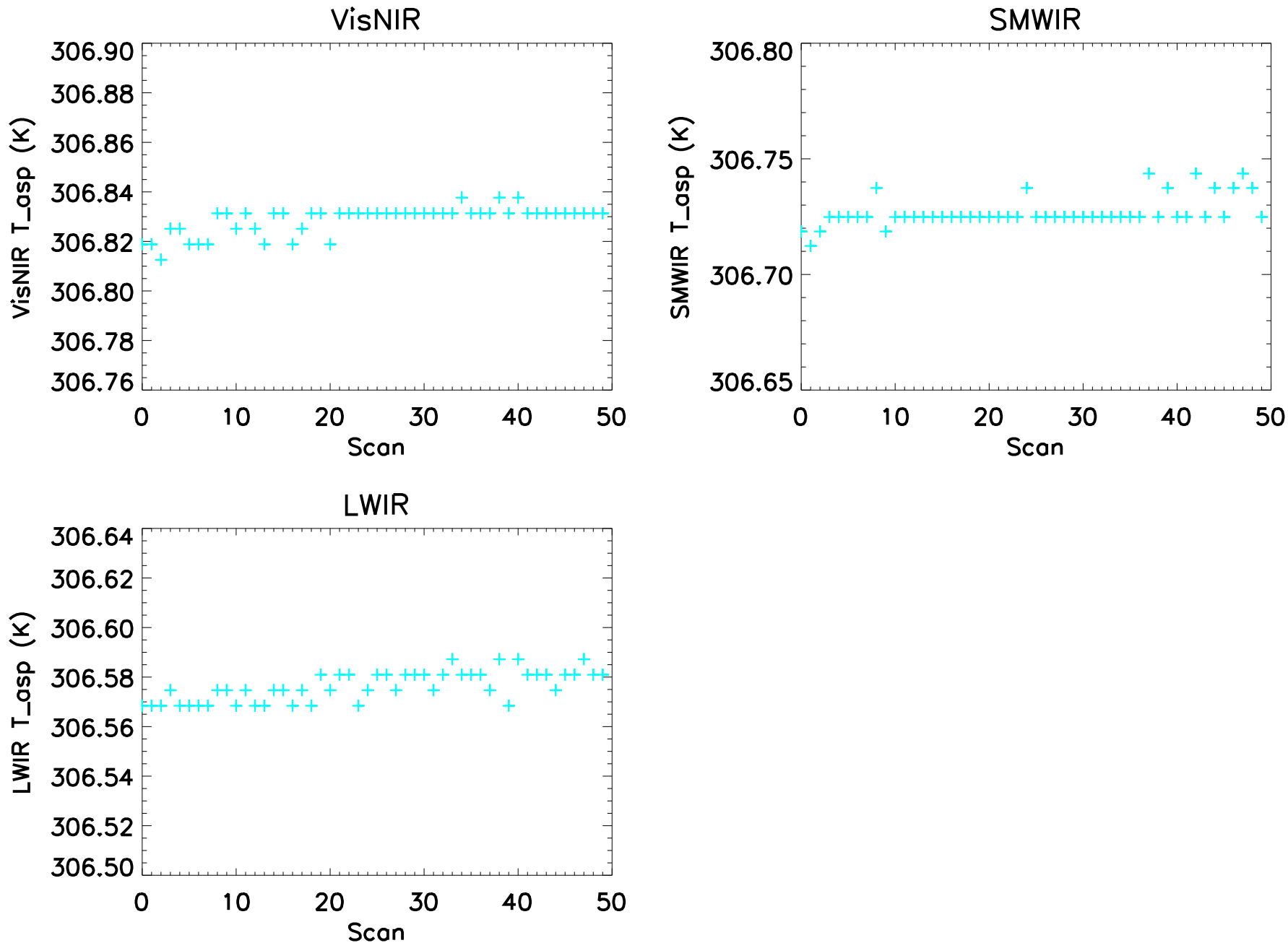

T_asp vs Scan: Collect=2
VisNIR
VisNIR T_asp (K)
306.78
306.76
306.74
306.72
306.70
306.68
306.66
306.64
0
10
20
30
40
50
Scan
SMWIR
SMWIR T_asp (K)
306.70
306.65
306.60
306.55
306.50
0
10
20
30
40
50
Scan
LWIR
LWIR T_asp (K)
306.50
306.45
306.40
306.35
0
10
20
30
40
50
Scan

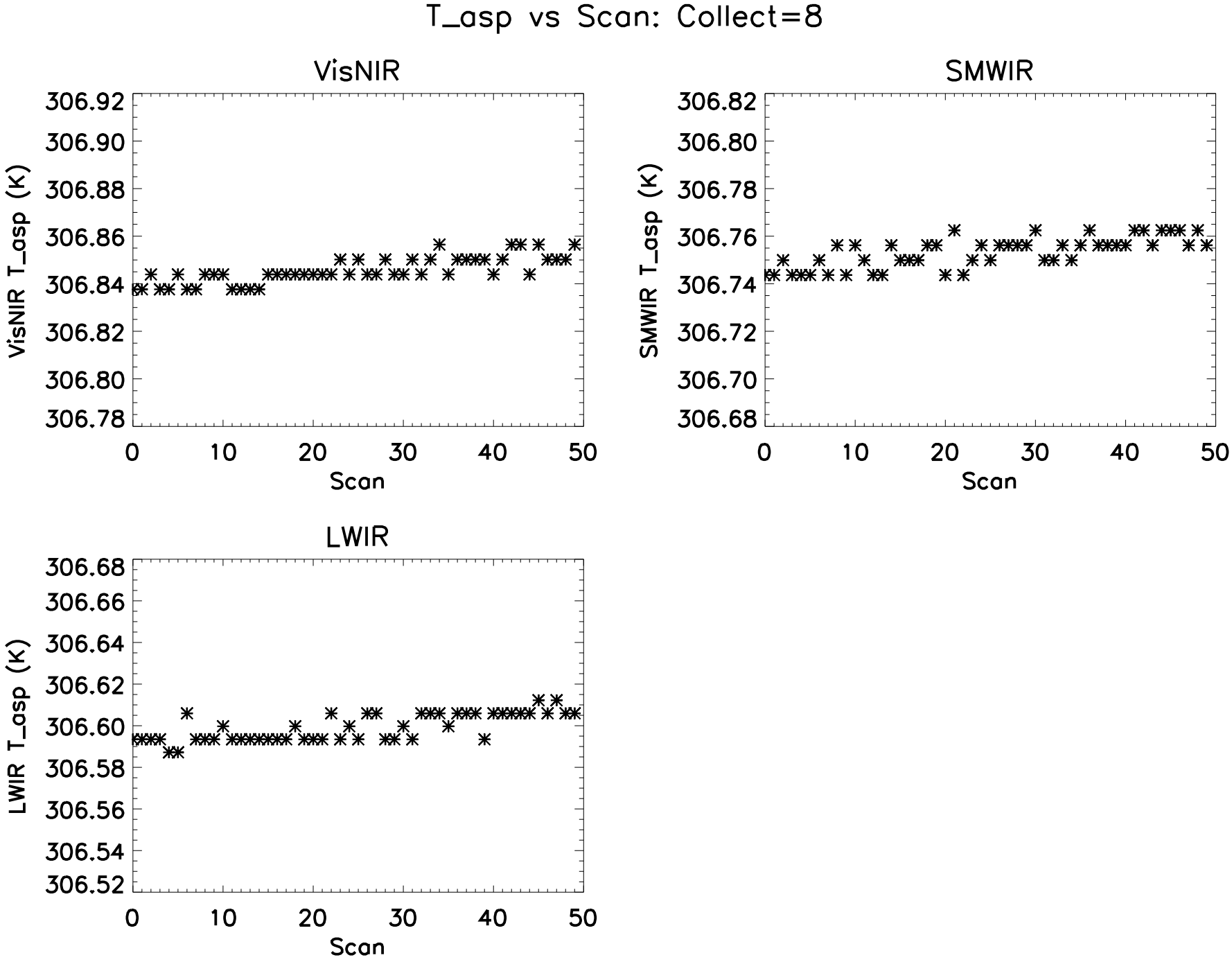

T_asp vs Scan: Collect=3
VisNIR
VisNIR T_asp (K)
306.80
306.78
306.76
306.74
306.72
306.70
306.68
306.66
0
10
20
30
40
50
Scan
SMWIR
SMWIR T_asp (K)
306.70
306.65
306.60
306.55
0
10
20
30
40
50
Scan
LWIR
LWIR T_asp (K)
306.54
306.52
306.50
306.48
306.46
306.44
306.42
306.40
0
10
20
30
40
50
Scan

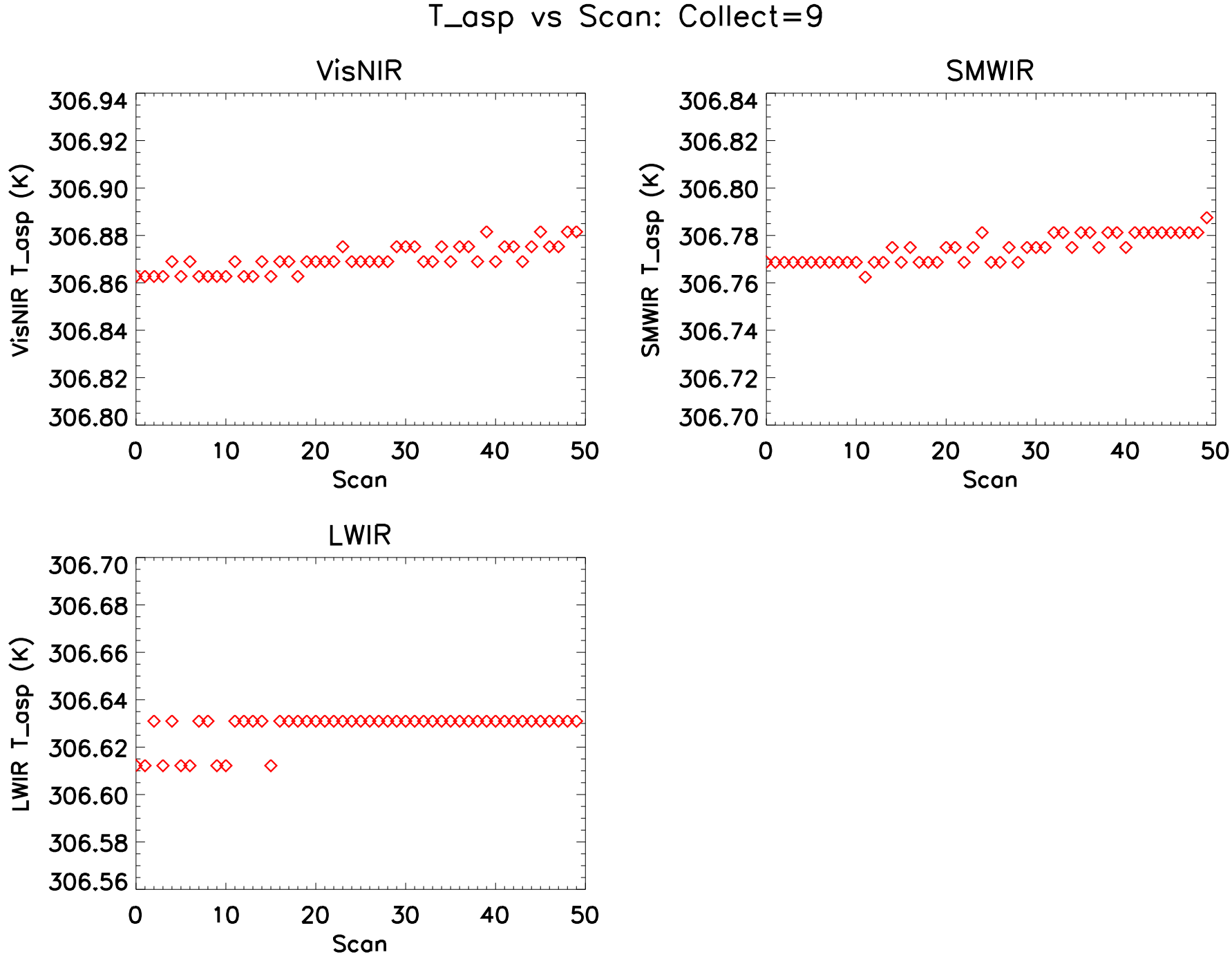

T_asp vs Scan: Collect=4
VisNIR
VisNIR T_asp (K)
306.85
306.80
306.75
306.70
306.65
0
10
20
30
40
50
Scan
SMWIR
SMWIR T_asp (K)
306.72
306.70
306.68
306.66
306.64
306.62
306.60
306.58
0
10
20
30
40
50
Scan
LWIR
LWIR T_asp (K)
306.56
306.54
306.52
306.50
306.48
306.46
306.44
306.42
0
10
20
30
40
50
Scan

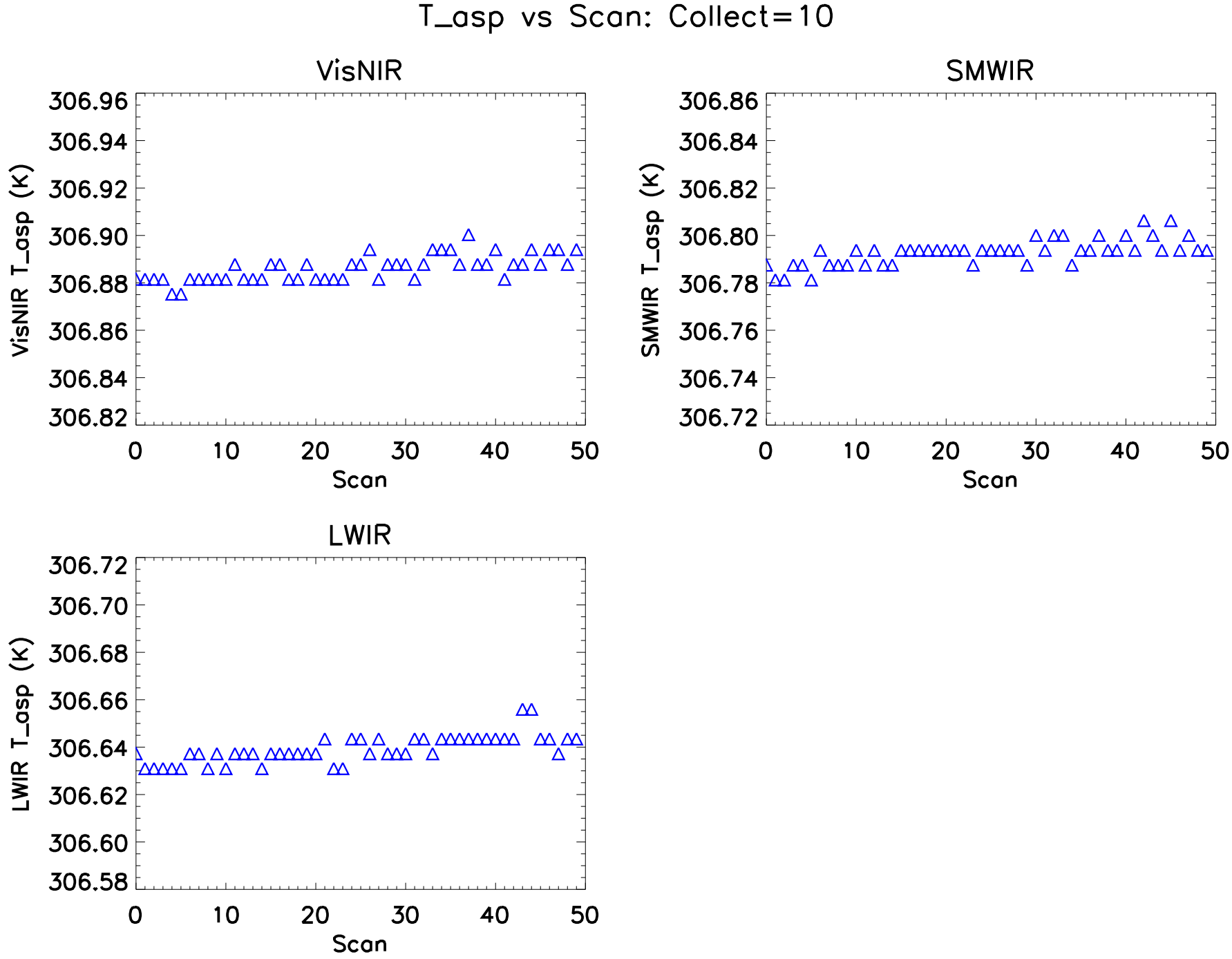

T_asp vs Scan: Collect=5
VisNIR
VisNIR T_asp (K)
306.84
306.82
306.80
306.78
306.76
306.74
306.72
306.70
0
10
20
30
40
50
Scan
SMWIR
SMWIR T_asp (K)
306.74
306.72
306.70
306.68
306.66
306.64
306.62
306.60
0
10
20
30
40
50
Scan
LWIR
LWIR T_asp (K)
306.58
306.56
306.54
306.52
306.50
306.48
306.46
306.44
0
10
20
30
40
50
Scan

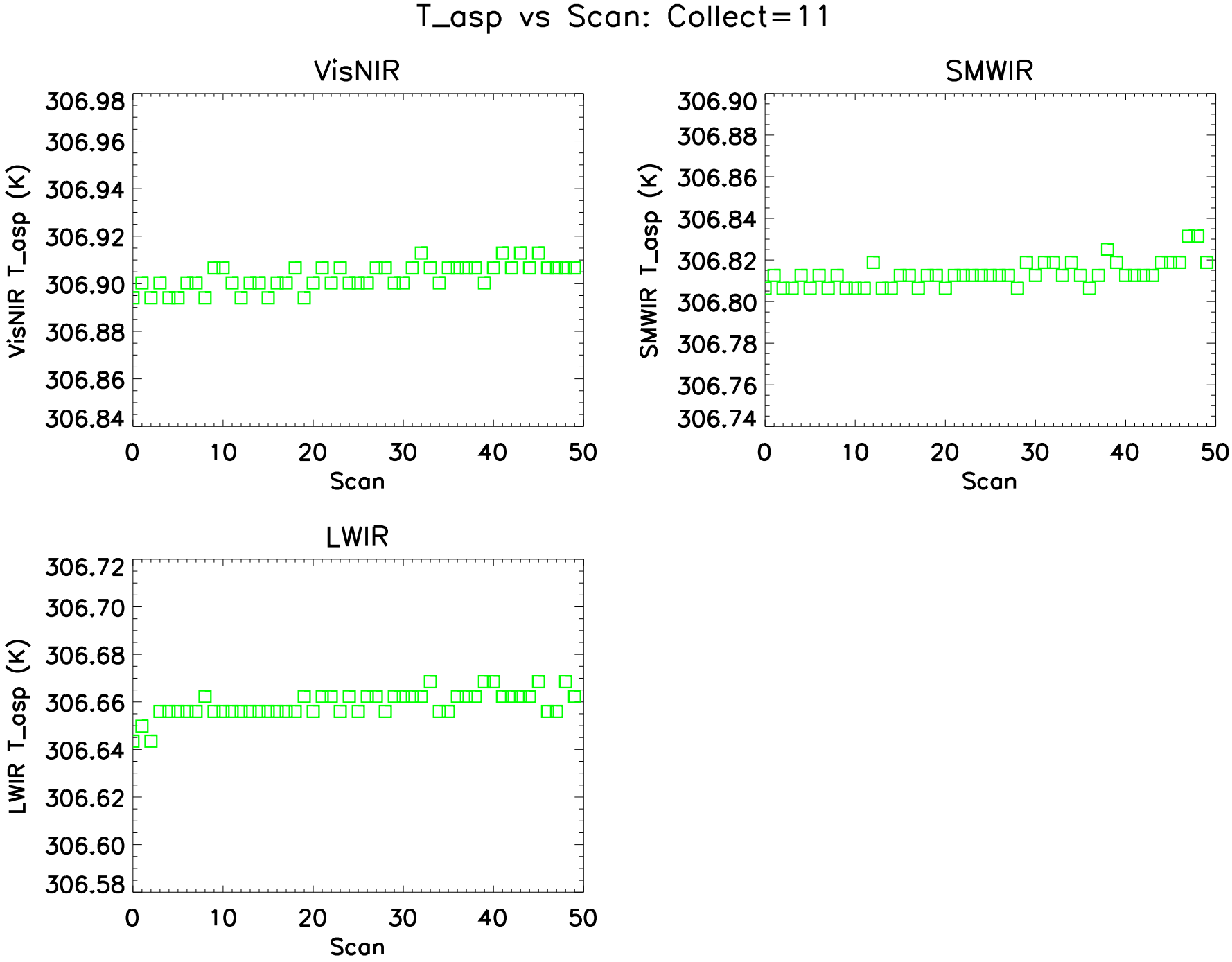

T_asp vs Scan: Collect=6
VisNIR
VisNIR T_asp (K)
306.86
306.84
306.82
306.80
306.78
306.76
306.74
306.72
0
10
20
30
40
50
Scan
SMWIR
SMWIR T_asp (K)
306.78
306.76
306.74
306.72
306.70
306.68
306.66
306.64
0
10
20
30
40
50
Scan
LWIR
LWIR T_asp (K)
306.65
306.60
306.55
306.50
306.45
0
10
20
30
40
50
Scan

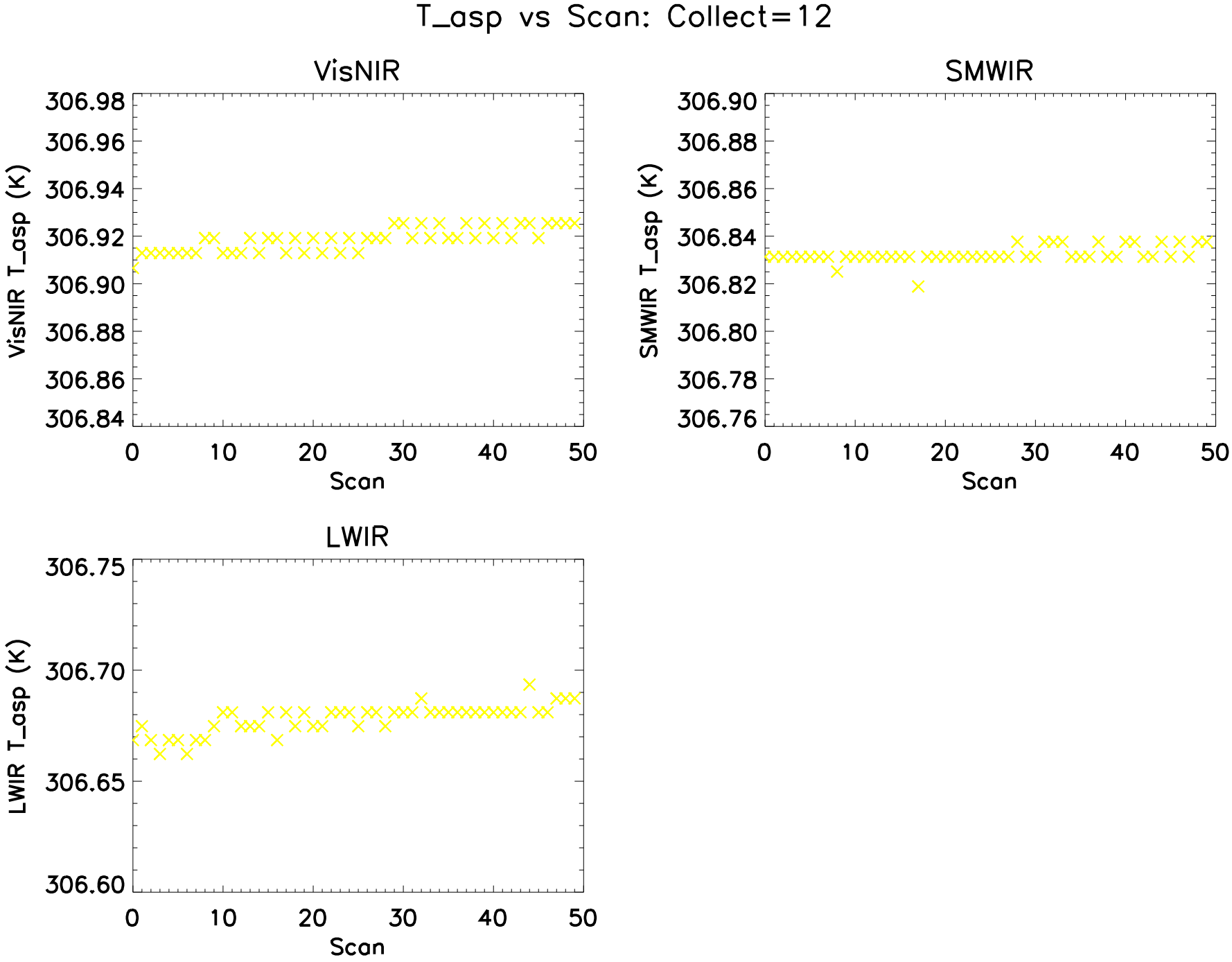

T_asp vs Scan: Collect=7
VisNIR
VisNIR T_asp (K)
306.90
306.88
306.86
306.84
306.82
306.80
306.78
306.76
0
10
20
30
40
50
Scan
SMWIR
SMWIR T_asp (K)
306.80
306.75
306.70
306.65
0
10
20
30
40
50
Scan
LWIR
LWIR T_asp (K)
306.64
306.62
306.60
306.58
306.56
306.54
306.52
306.50
0
10
20
30
40
50
Scan

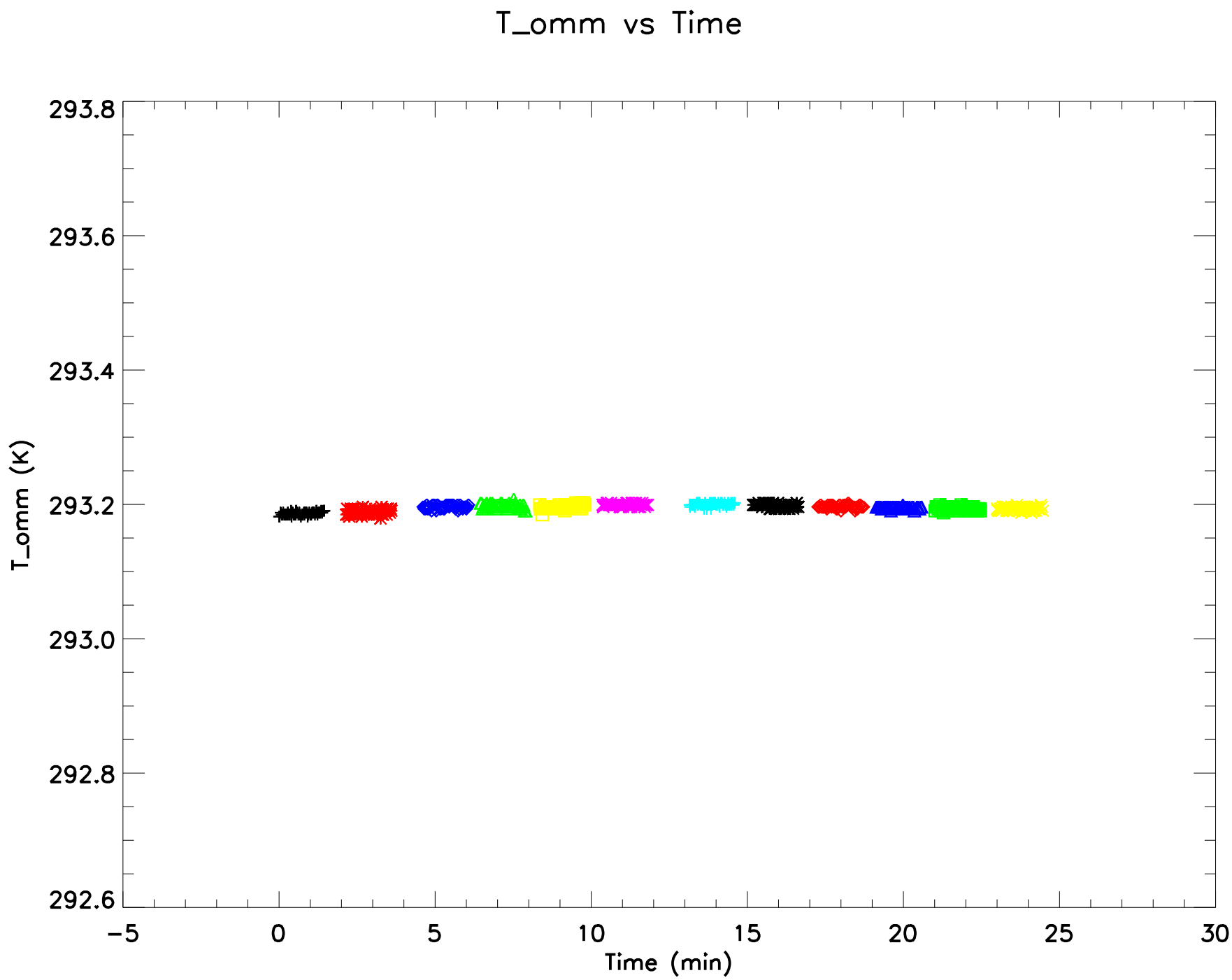

T_asp vs Scan: Collect=8
VisNIR
VisNIR T_asp (K)
306.92
306.90
306.88
306.86
306.84
306.82
306.80
306.78
0
10
20
30
40
50
Scan
SMWIR
SMWIR T_asp (K)
306.82
306.80
306.78
306.76
306.74
306.72
306.70
306.68
0
10
20
30
40
50
Scan
LWIR
LWIR T_asp (K)
306.68
306.66
306.64
306.62
306.60
306.58
306.56
306.54
306.52
0
10
20
30
40
50
Scan


T_asp vs Scan: Collect=9
VisNIR
VisNIR T_asp (K)
306.94
306.92
306.90
306.88
306.86
306.84
306.82
306.80
0
10
20
30
40
50
Scan
SMWIR
SMWIR T_asp (K)
306.84
306.82
306.80
306.78
306.76
306.74
306.72
306.70
0
10
20
30
40
50
Scan
LWIR
LWIR T_asp (K)
306.70
306.68
306.66
306.64
306.62
306.60
306.58
306.56
0
10
20
30
40
50
Scan

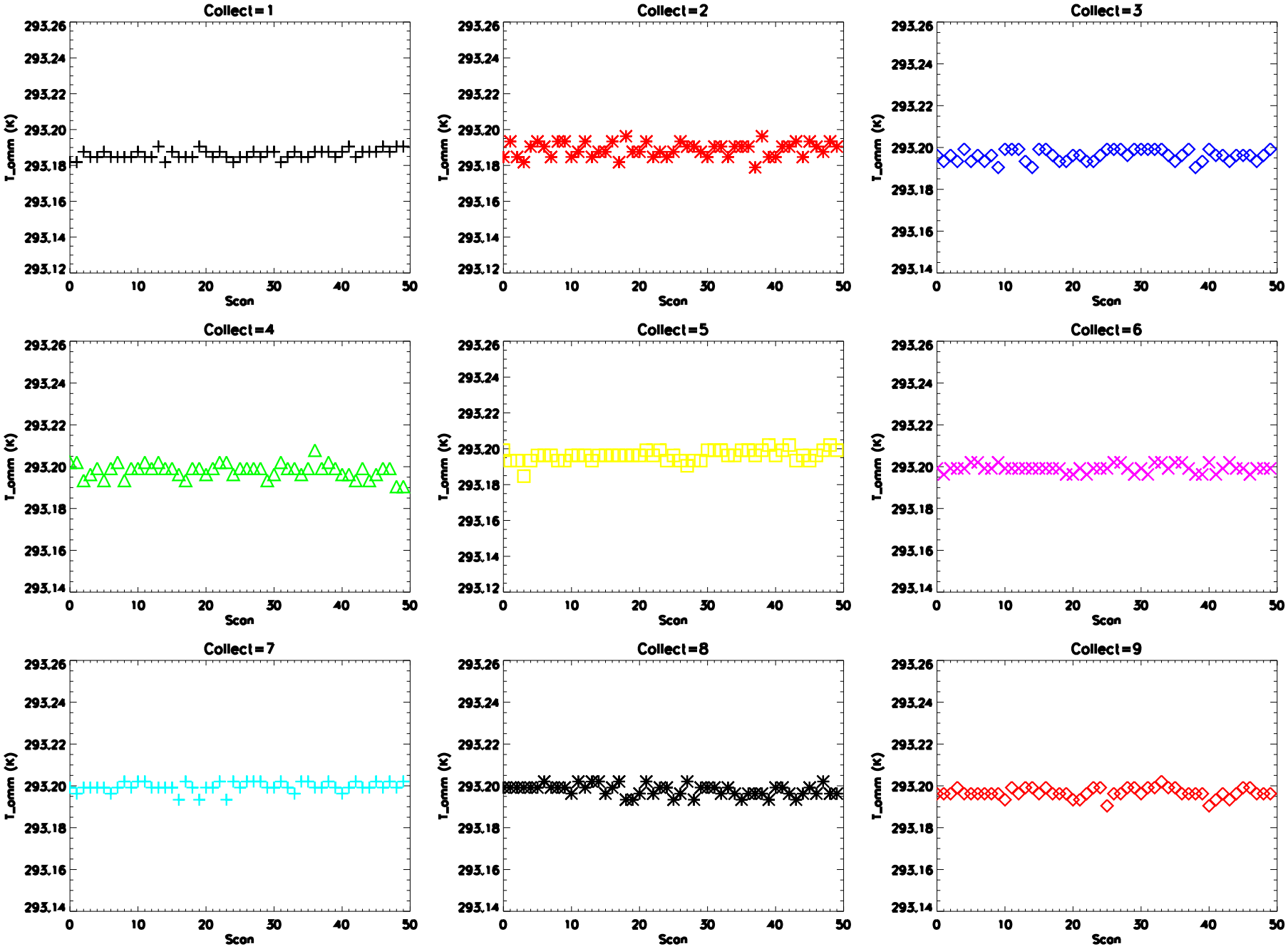

T_asp vs Scan: Collect=10
VisNIR
VisNIR T_asp (K)
306.96
306.94
306.92
306.90
306.88
306.86
306.84
306.82
0
10
20
30
40
50
Scan
SMWIR
SMWIR T_asp (K)
306.86
306.84
306.82
306.80
306.78
306.76
306.74
306.72
0
10
20
30
40
50
Scan
LWIR
LWIR T_asp (K)
306.72
306.70
306.68
306.66
306.64
306.62
306.60
306.58
0
10
20
30
40
50
Scan


T_asp vs Scan: Collect=11
VisNIR
VisNIR T_asp (K)
306.98
306.96
306.94
306.92
306.90
306.88
306.86
306.84
0
10
20
30
40
50
Scan
SMWIR
SMWIR T_asp (K)
306.90
306.88
306.86
306.84
306.82
306.80
306.78
306.76
306.74
0
10
20
30
40
50
Scan
LWIR
LWIR T_asp (K)
306.72
306.70
306.68
306.66
306.64
306.62
306.60
306.58
0
10
20
30
40
50
Scan

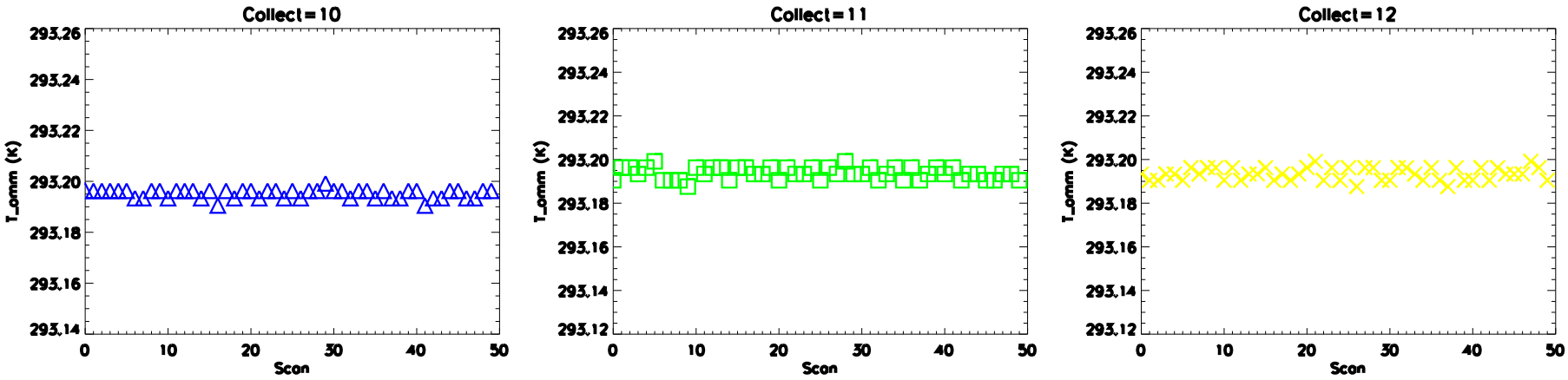

T_asp vs Scan: Collect=12
VisNIR
VisNIR T_asp (K)
306.98
306.96
306.94
306.92
306.90
306.88
306.86
306.84
0
10
20
30
40
50
Scan
SMWIR
SMWIR T_asp (K)
306.90
306.88
306.86
306.84
306.82
306.80
306.78
306.76
0
10
20
30
40
50
Scan
LWIR
LWIR T_asp (K)
306.75
306.70
306.65
306.60
0
10
20
30
40
50
Scan


T_omm vs Time
T_omm (K)
293.8
293.6
293.4
293.2
293.0
292.8
292.6
−5
0
5
10
15
20
25
30
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
293.26
293.24
293.22
293.20
293.18
293.16
293.14
293.12
0
10
20
30
40
50

T_omm vs Scan


Collect = 10
Collect = 11
Collect = 12
T_omm (K)
Scan
293.26
293.24
293.22
293.20
293.18
293.16
293.14
293.12
0
10
20
30
40
50