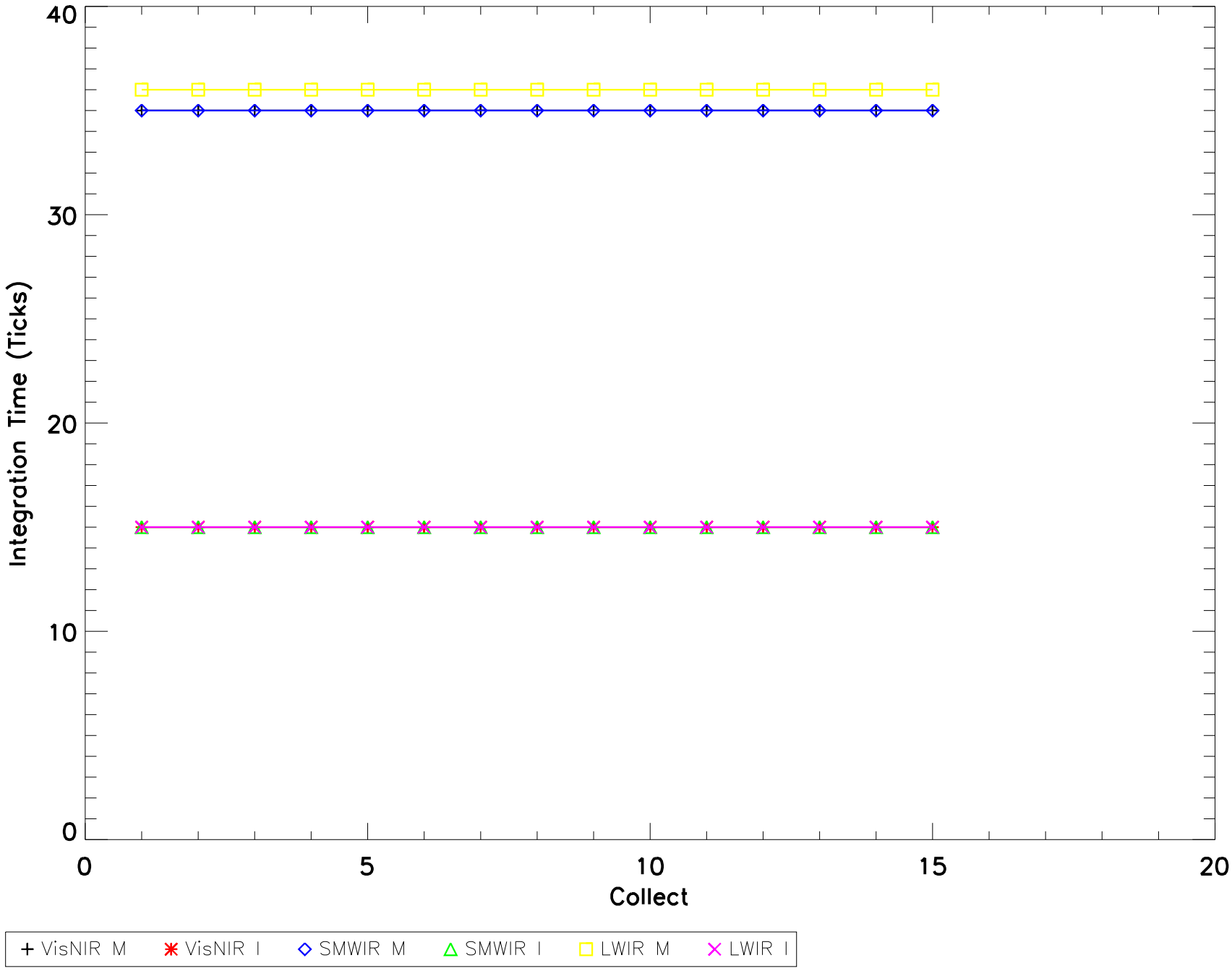
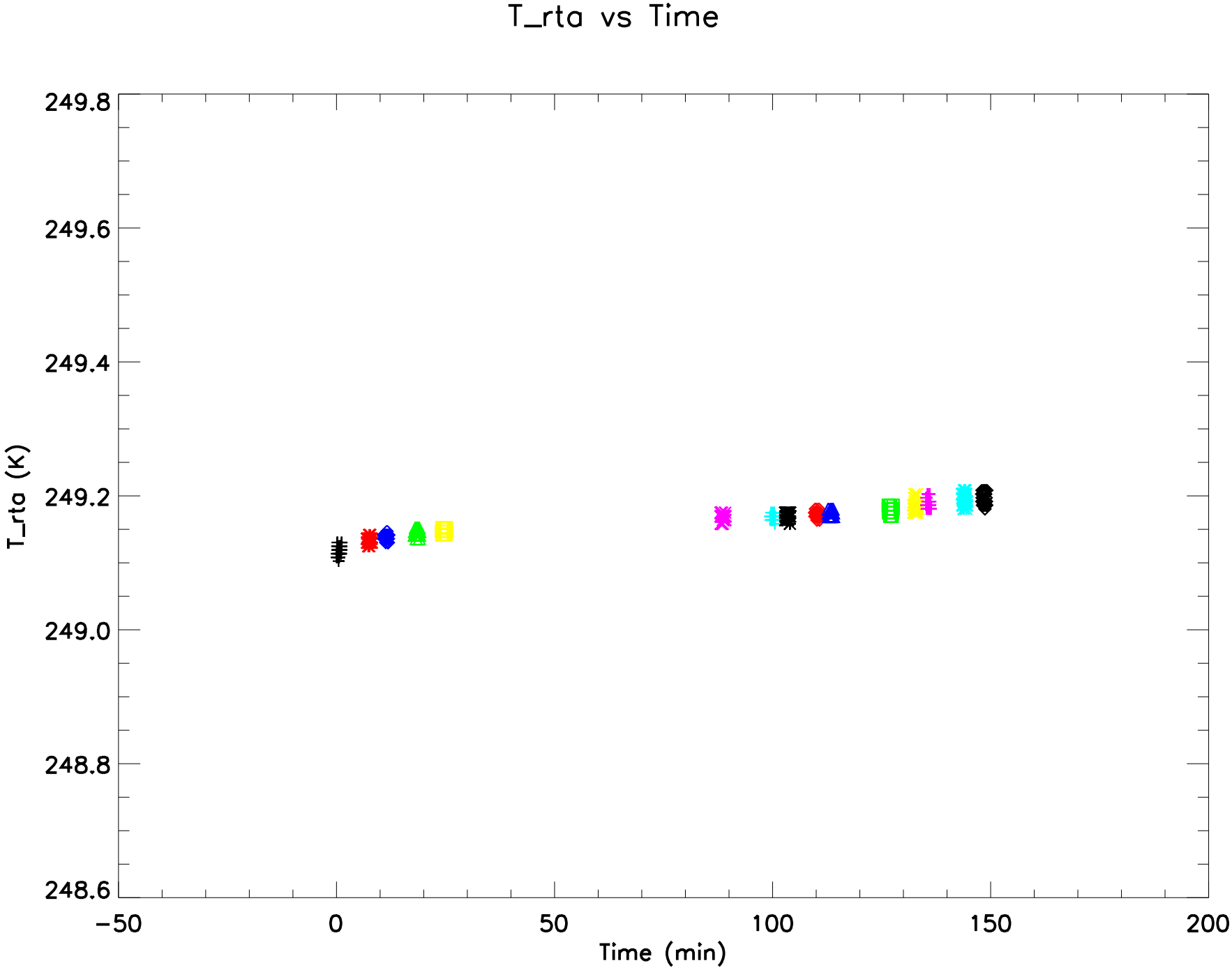
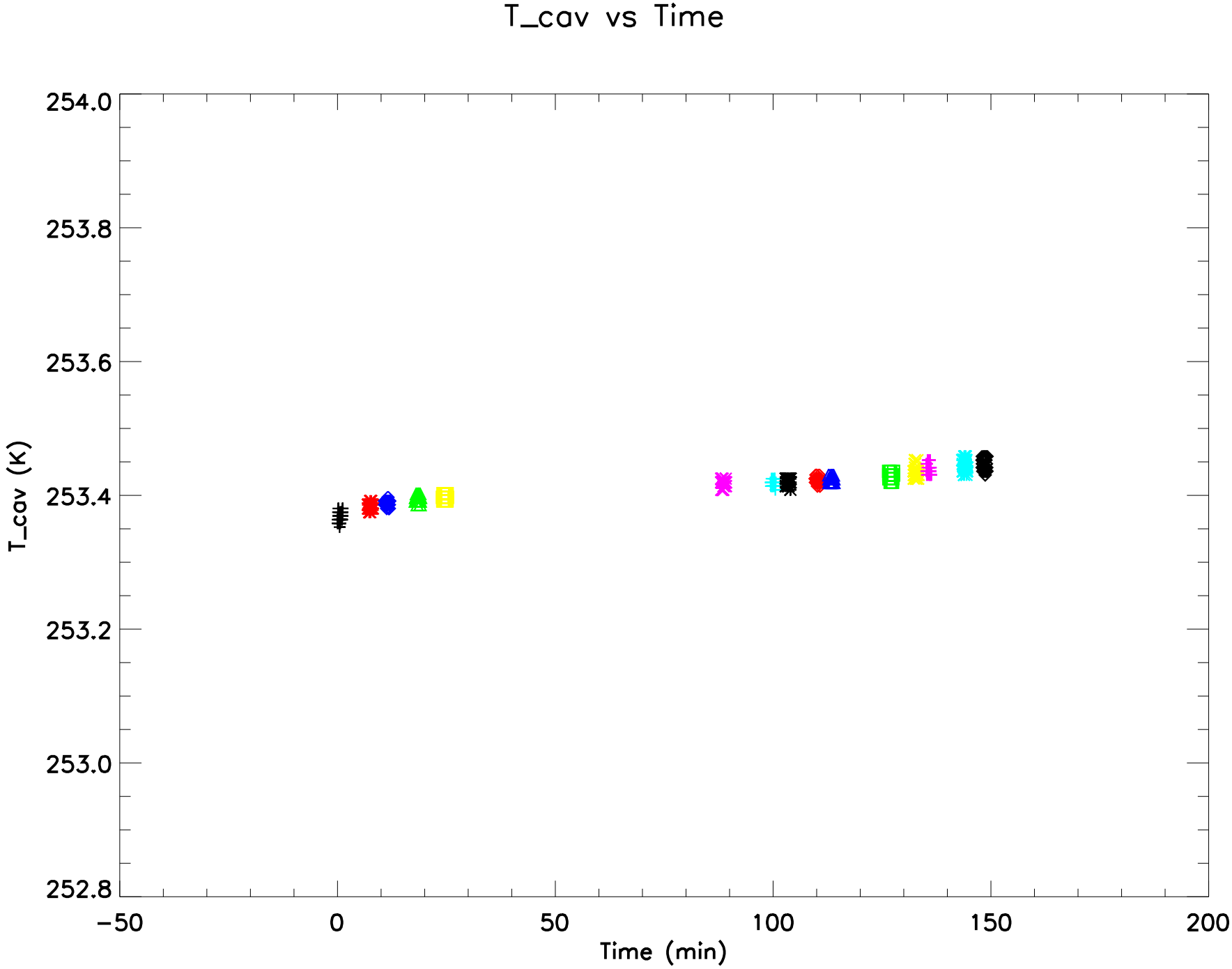
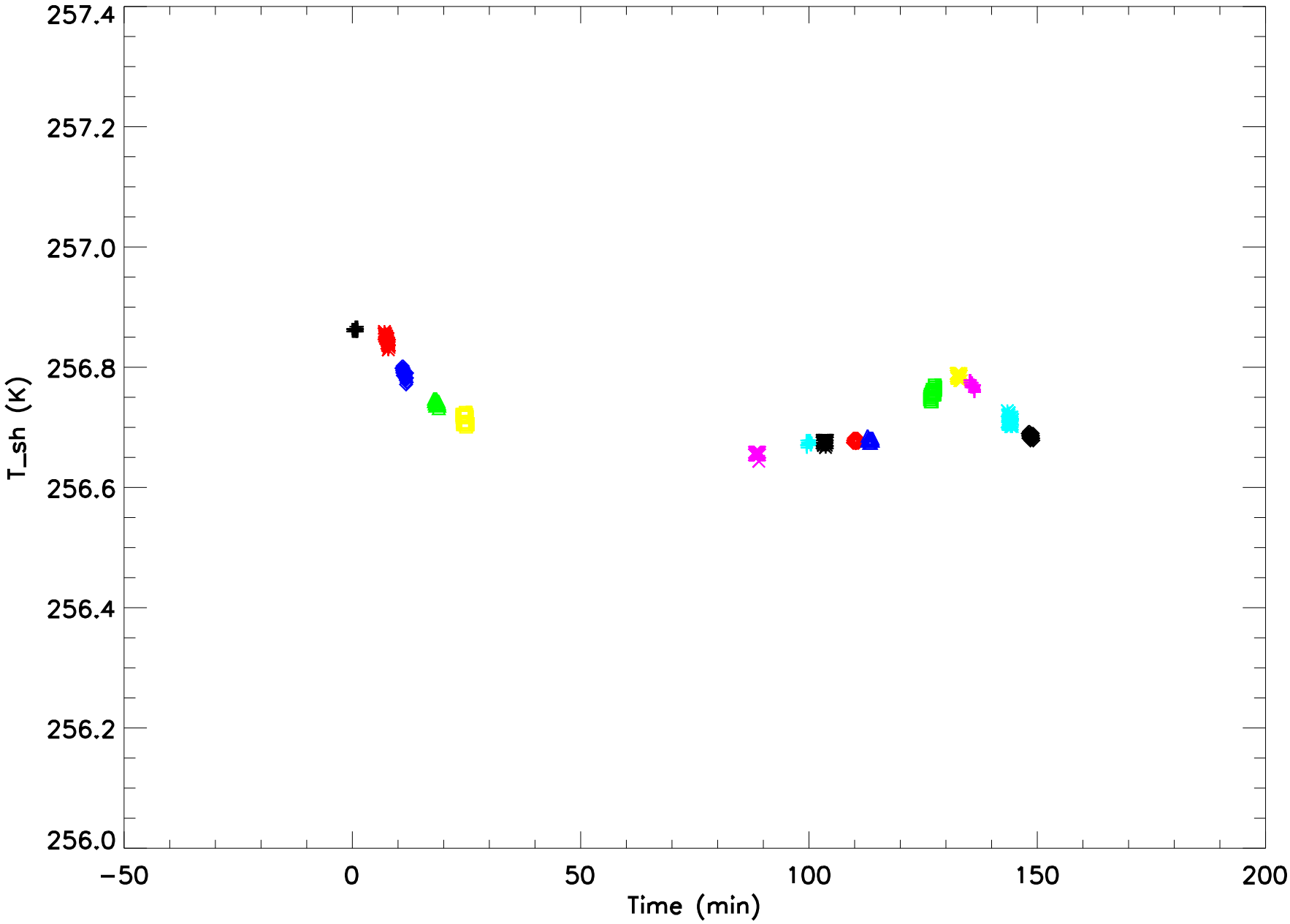
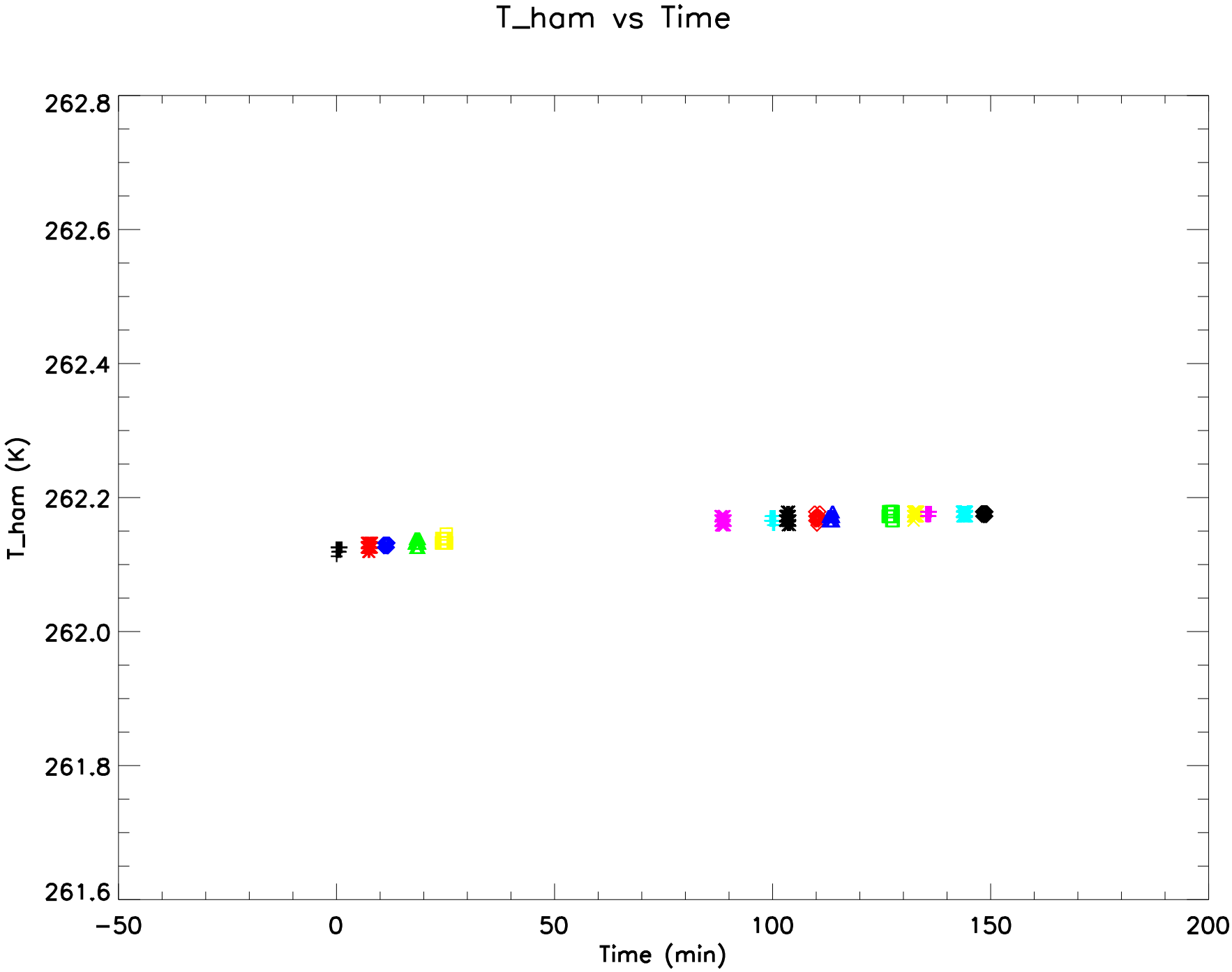
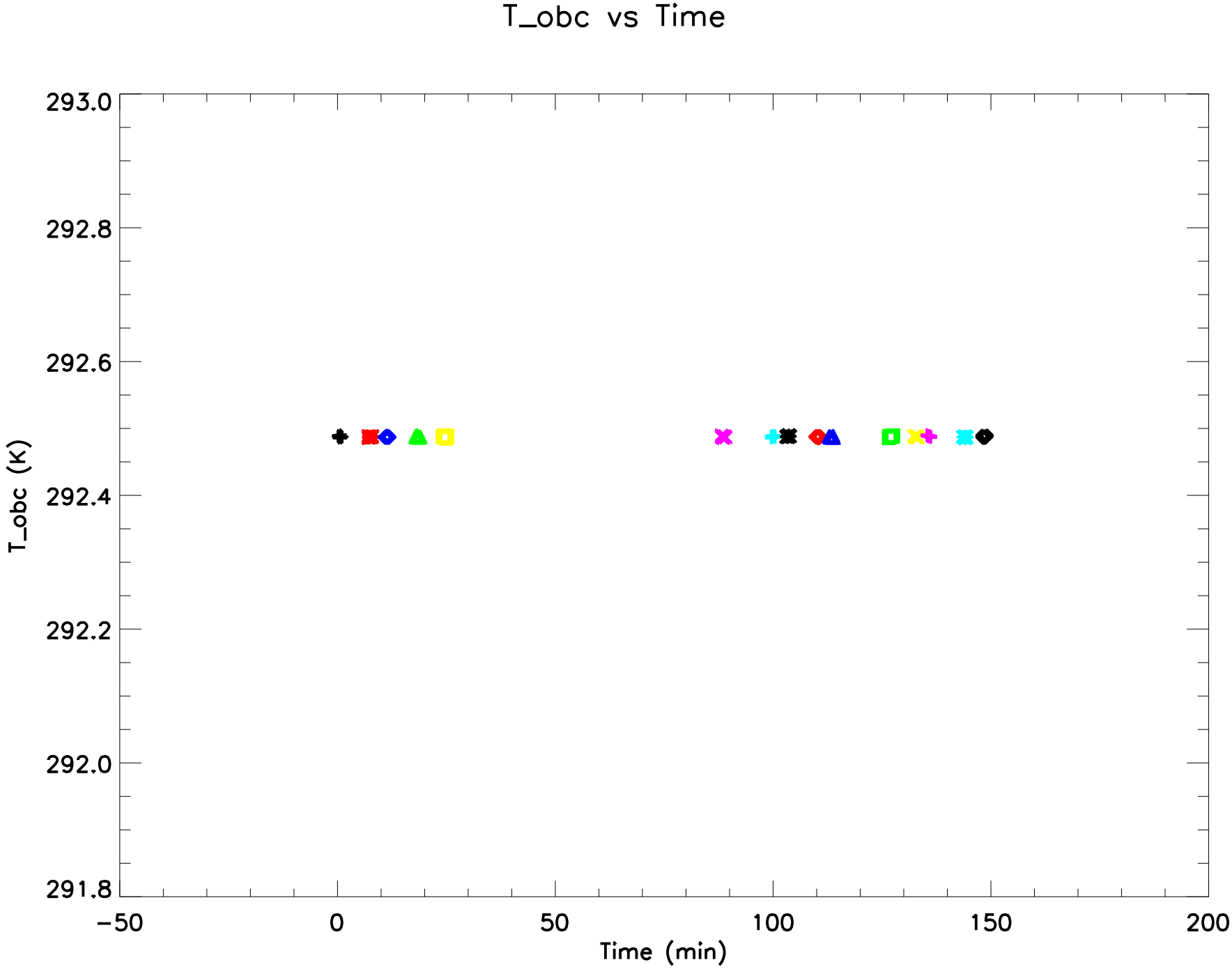

Integration Time vs Collect
Integration Time (Ticks)
40
30
20
10
0
0
5
10
15
20
Collect
VisNIR M
VisNIR I
SMWIR M
SMWIR I
LWIR M
LWIR I

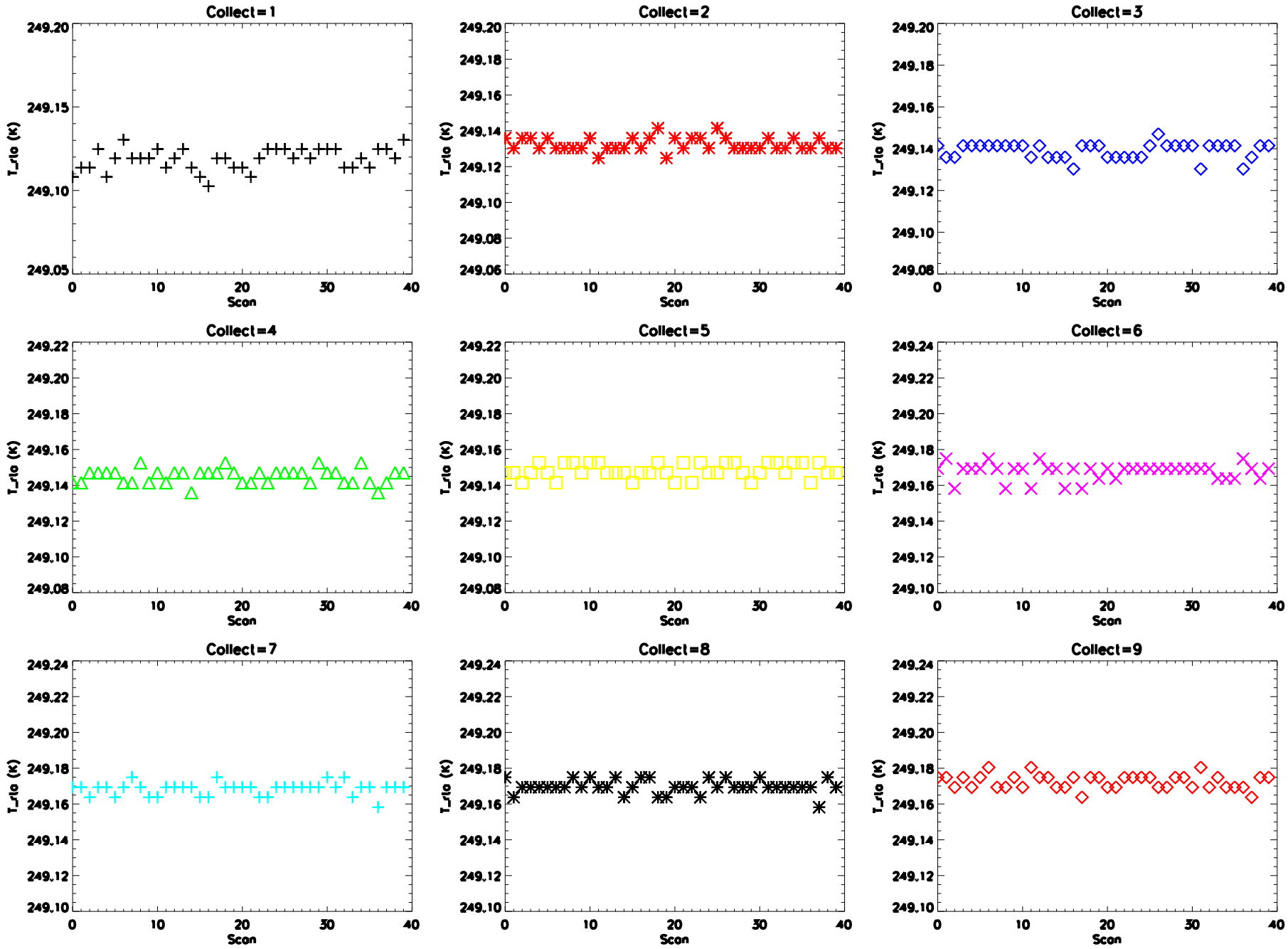

T_rta vs Time
249.8
249.6
249.4
249.2
249.0
248.8
248.6
T_rta (K)
−50
0
50
100
150
200
Time (min)


T_cav vs Time
254.0
253.8
253.6
253.4
253.2
253.0
252.8
T_cav (K)
−50
0
50
100
150
200
Time (min)

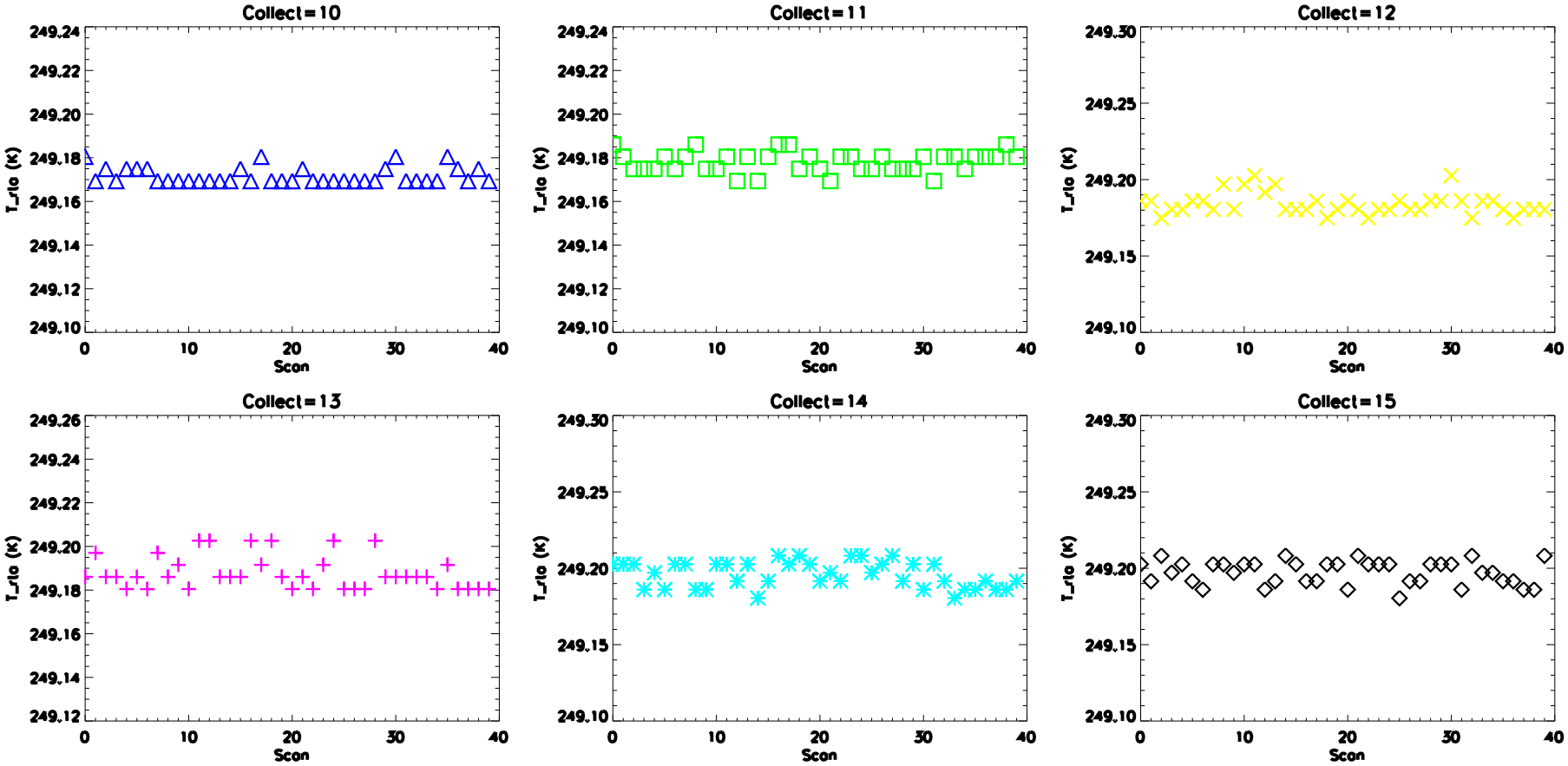

T_sh vs Time
257.4
257.2
257.0
256.8
256.6
256.4
256.2
256.0
T_sh (K)
−50
0
50
100
150
200
Time (min)


T_ham vs Time
T_ham (K)
262.8
262.6
262.4
262.2
262.0
261.8
261.6
−50
0
50
100
150
200
Time (min)

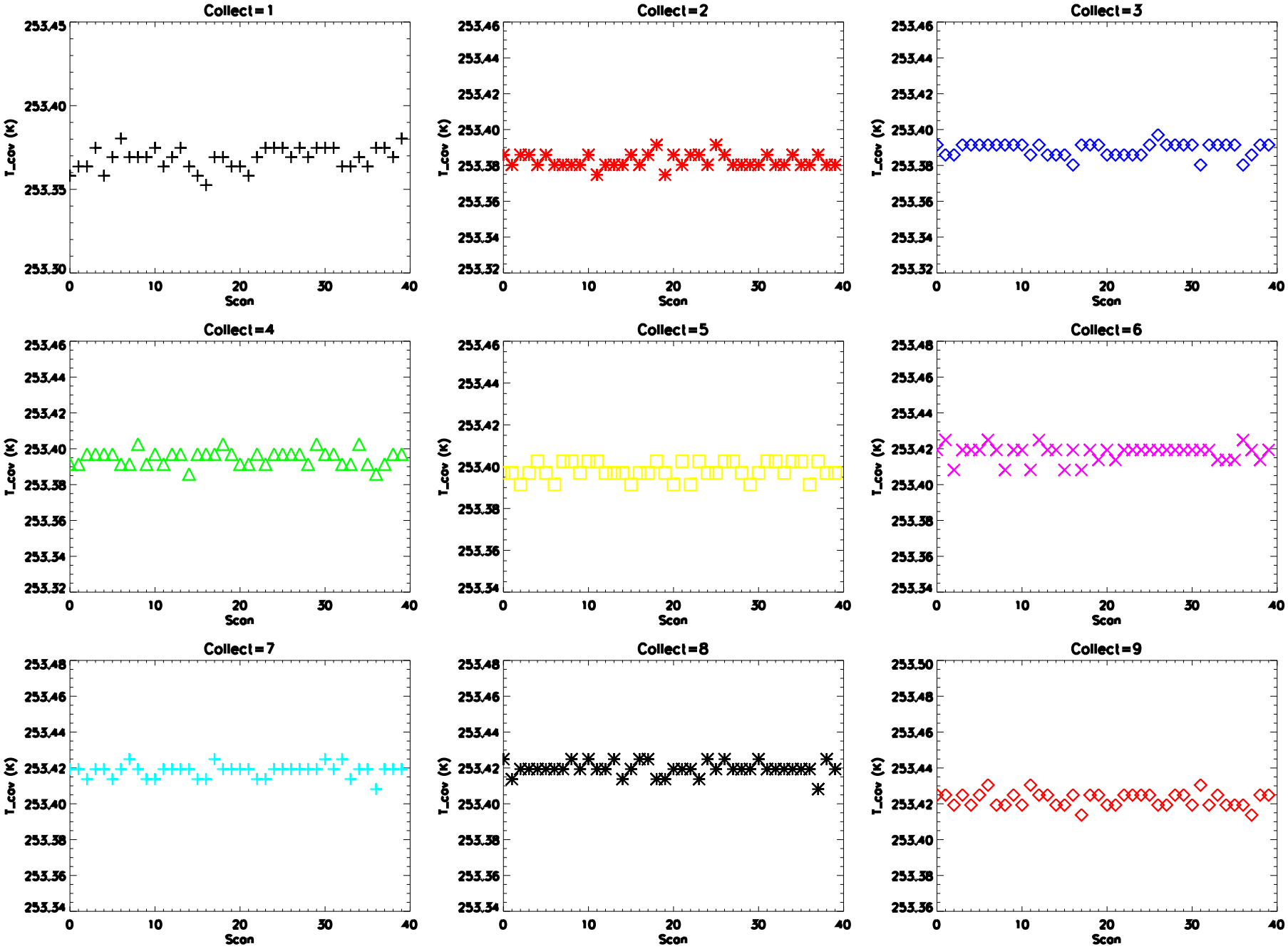

T_obc vs Time
293.0
292.8
292.6
292.4
292.2
292.0
291.8
T_obc (K)
−50
0
50
100
150
200
Time (min)


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

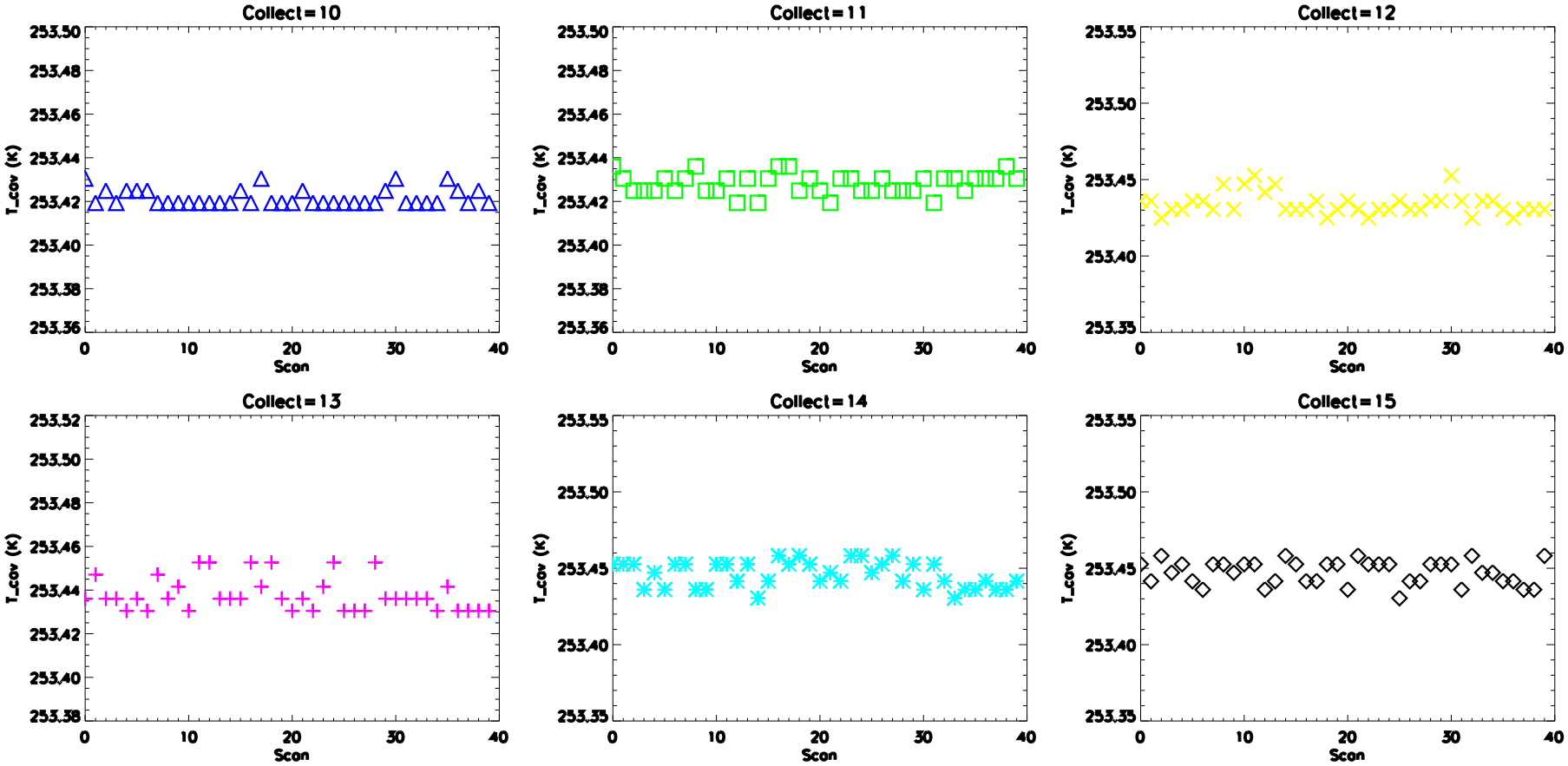
T_rta vs Scan


Collect = 10
Collect = 11
Collect = 12
Collect = 13
Collect = 14
Collect = 15
T_rta (K)
Scan

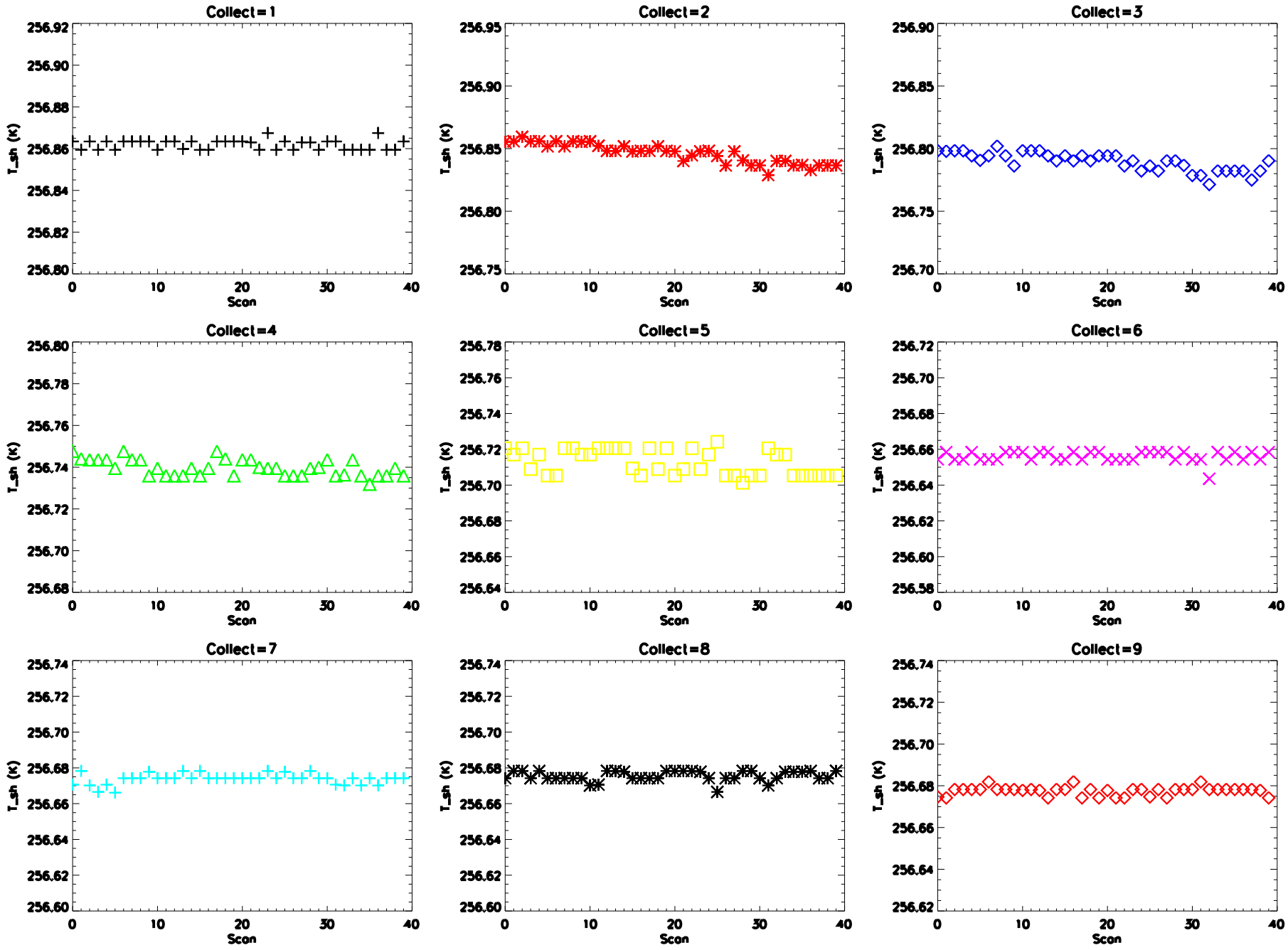
T_cav vs Scan


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

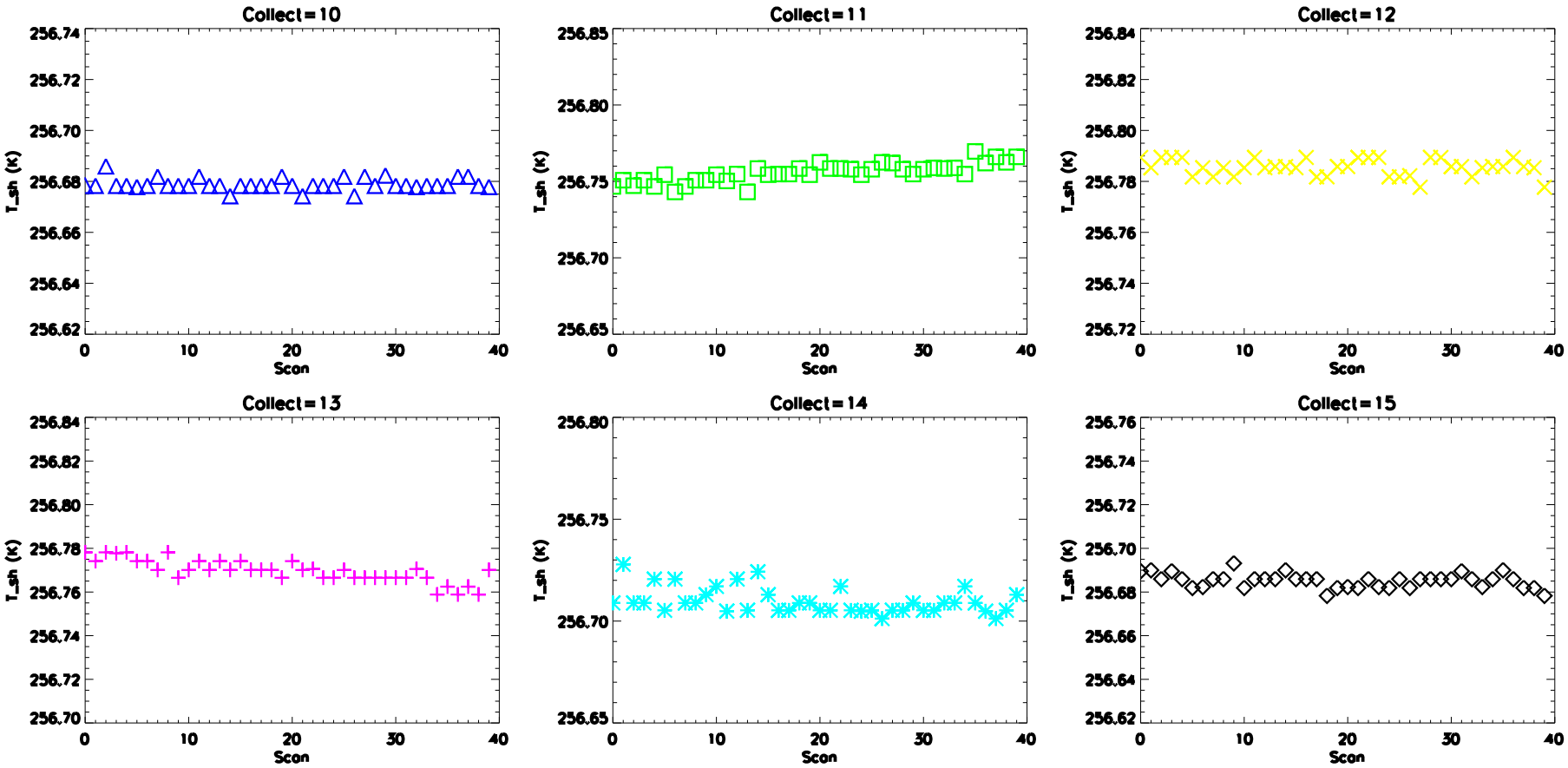
T_cav vs Scan


Collect = 10
Collect = 11
Collect = 12
Collect = 13
Collect = 14
Collect = 15
T_cav (K)
Scan

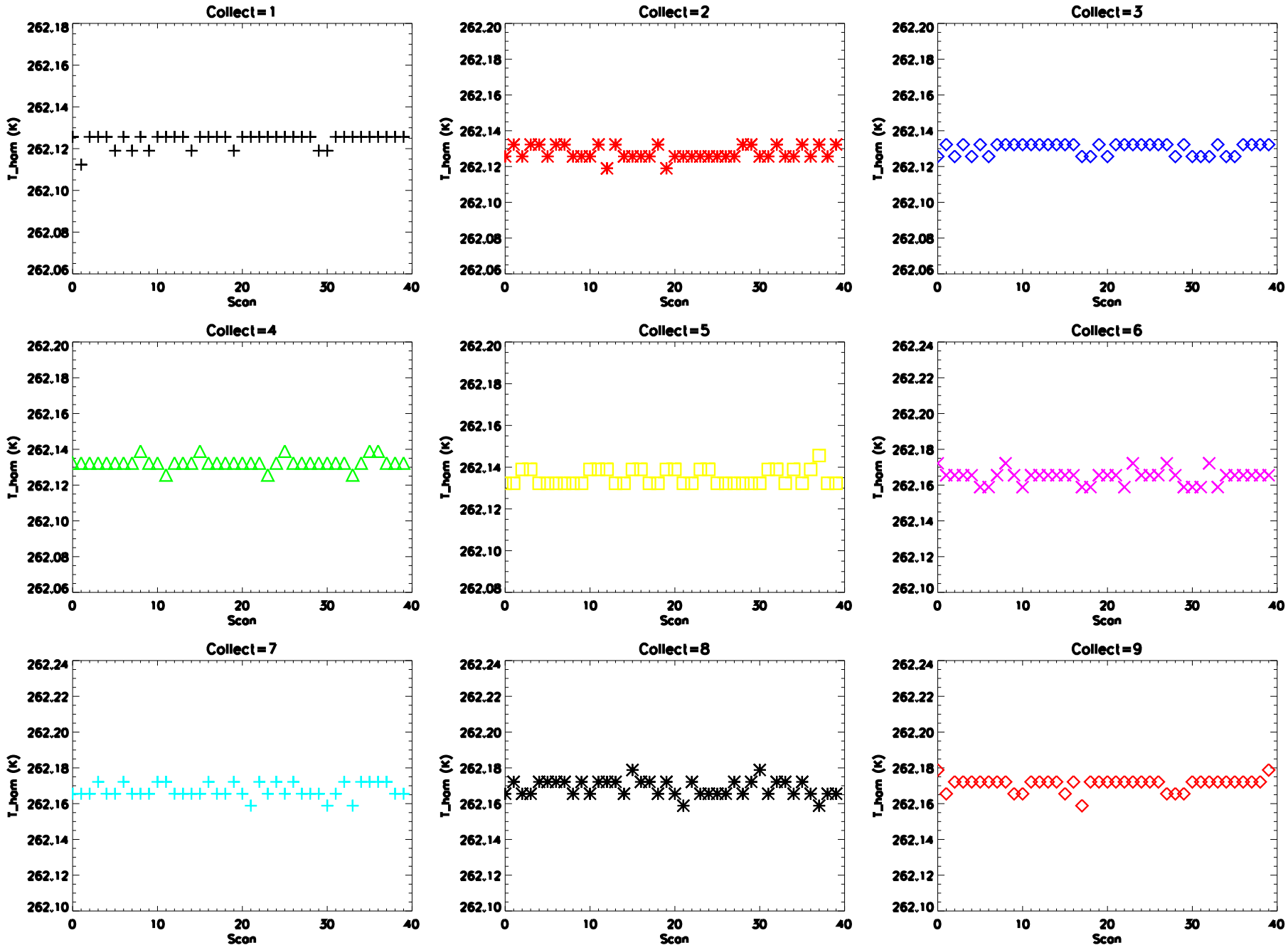
T_sh vs Scan


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

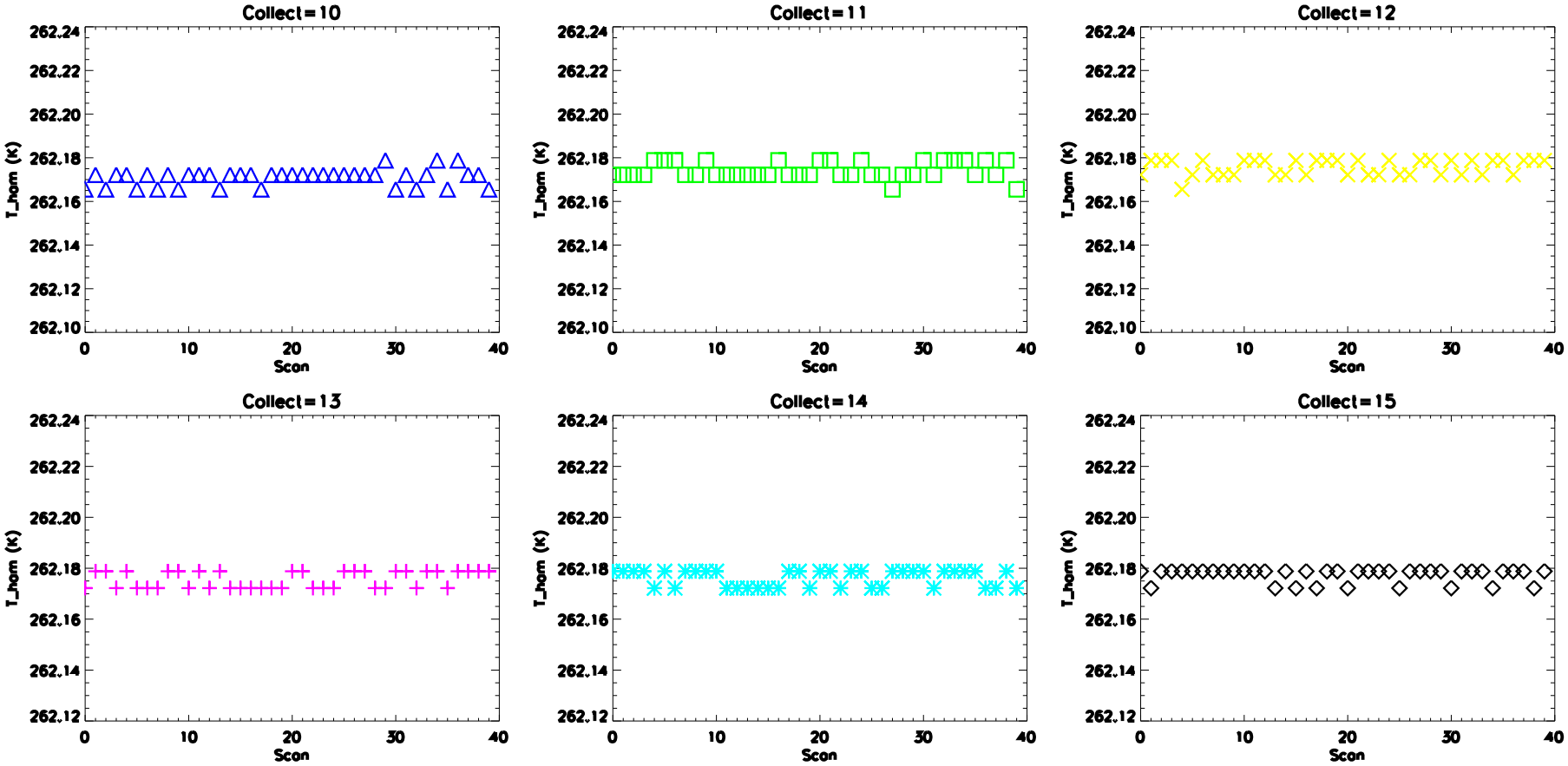
T_sh vs Scan

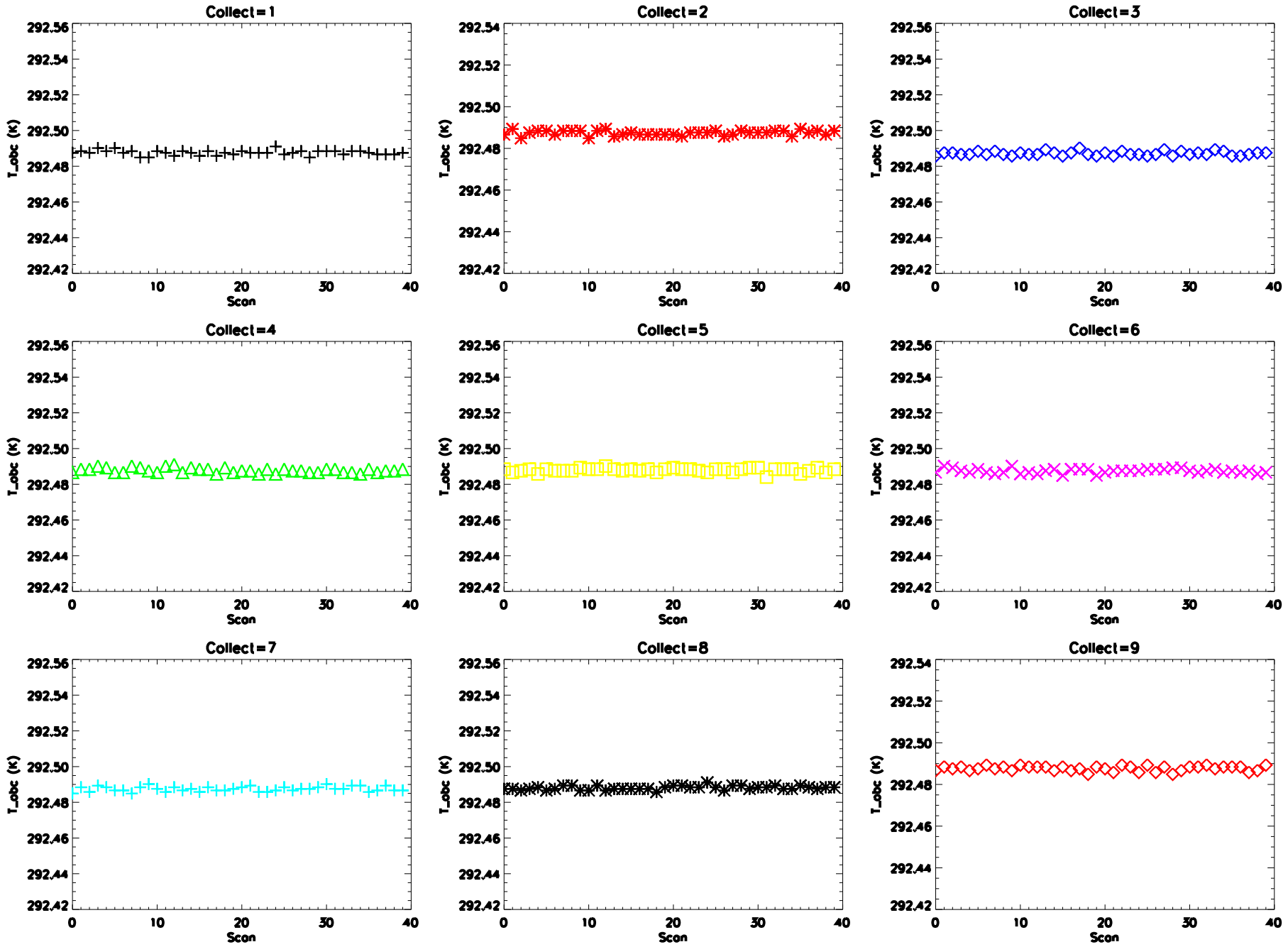

Collect = 10
Collect = 11
Collect = 12
Collect = 13
Collect = 14
Collect = 15
T_sh (K)
Scan

T_ham vs Scan

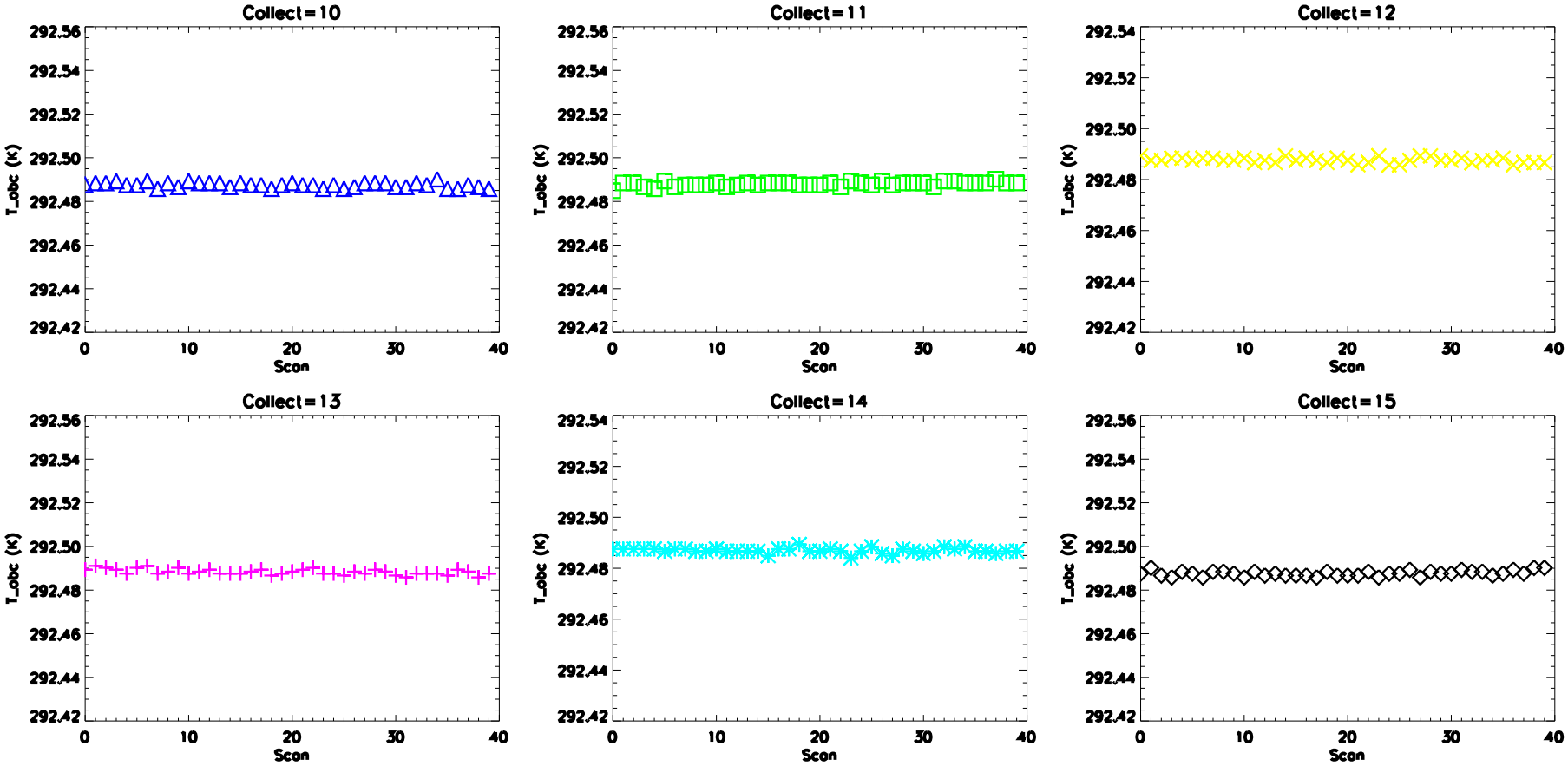

Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
T_ham (K)
Scan

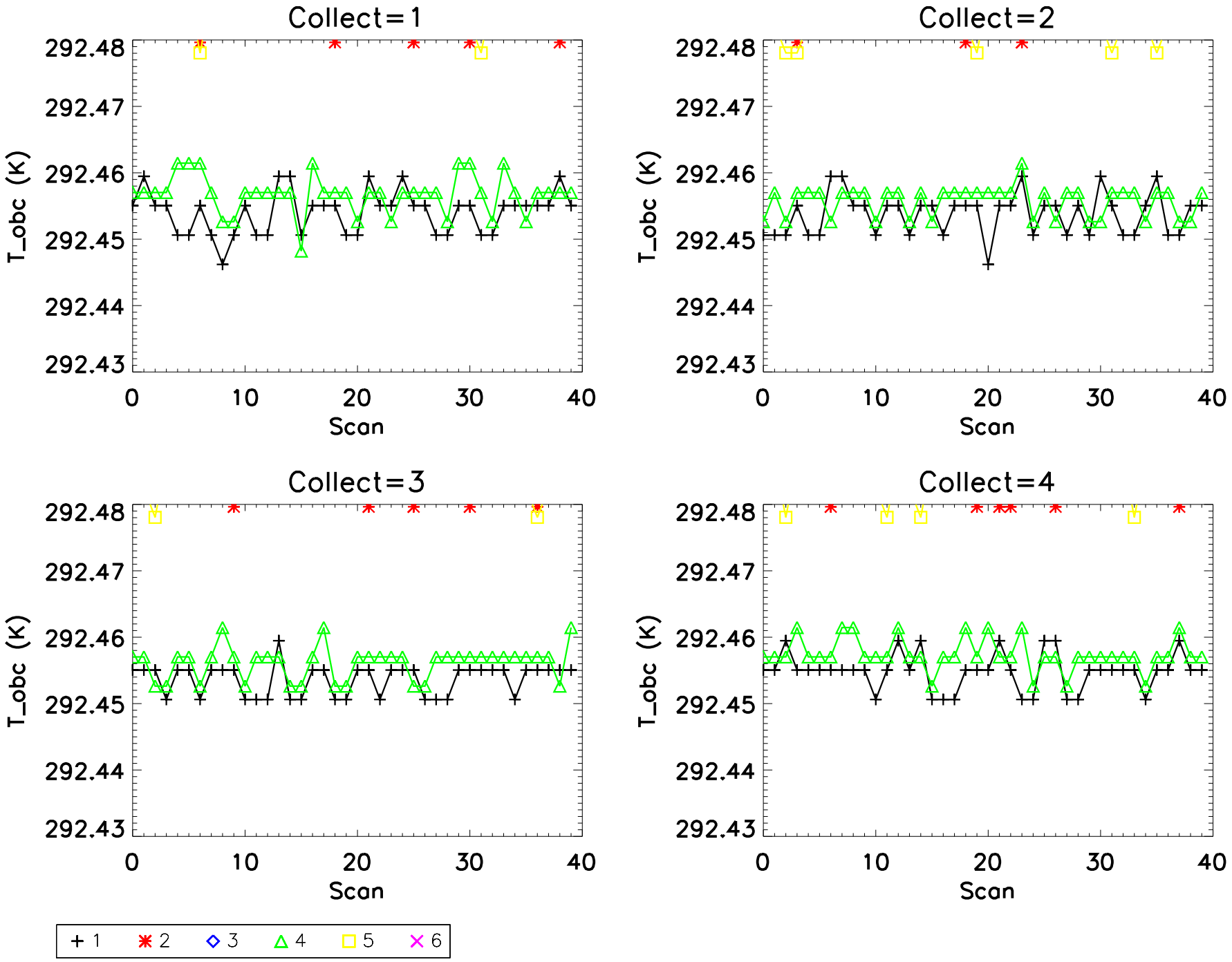
T_ham vs Scan

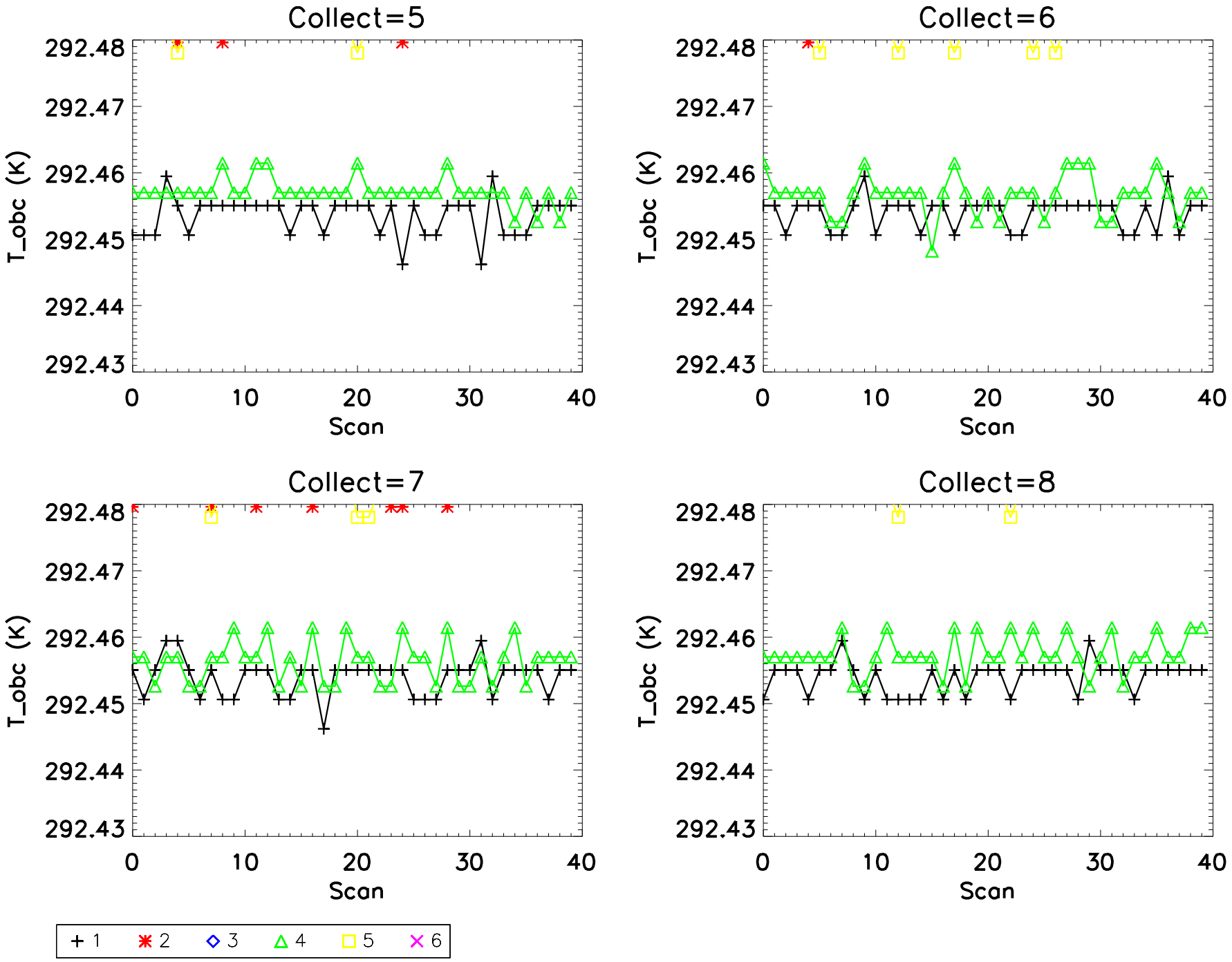

Collect = 10
Collect = 11
Collect = 12
Collect = 13
Collect = 14
Collect = 15
T_ham (K)
Scan
262.24
262.22
262.20
262.18
262.16
262.14
262.12
262.10
0
10
20
30
40

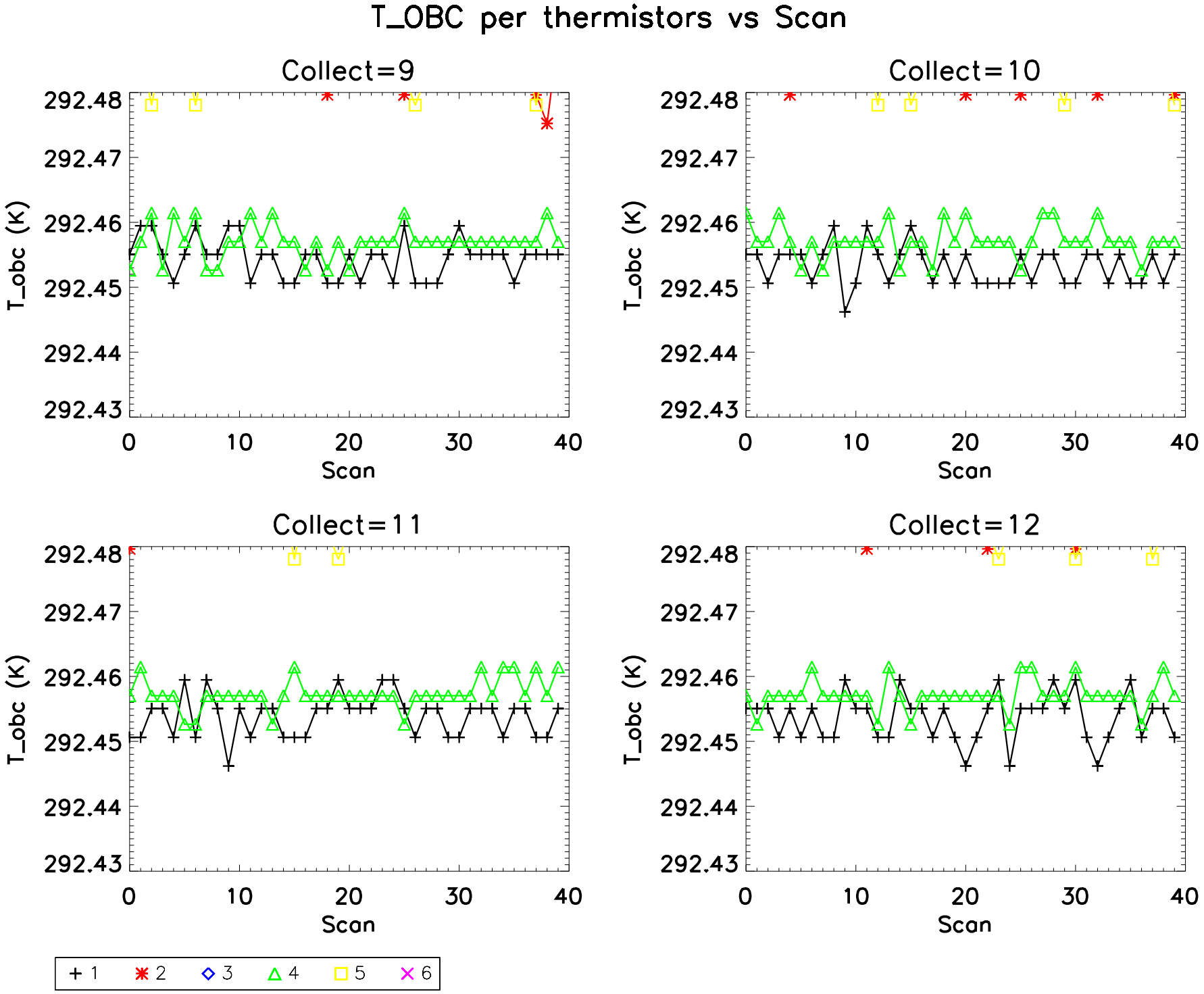

T_obc vs Scan
Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
T_obc (K)
Scan

T_obc vs Scan

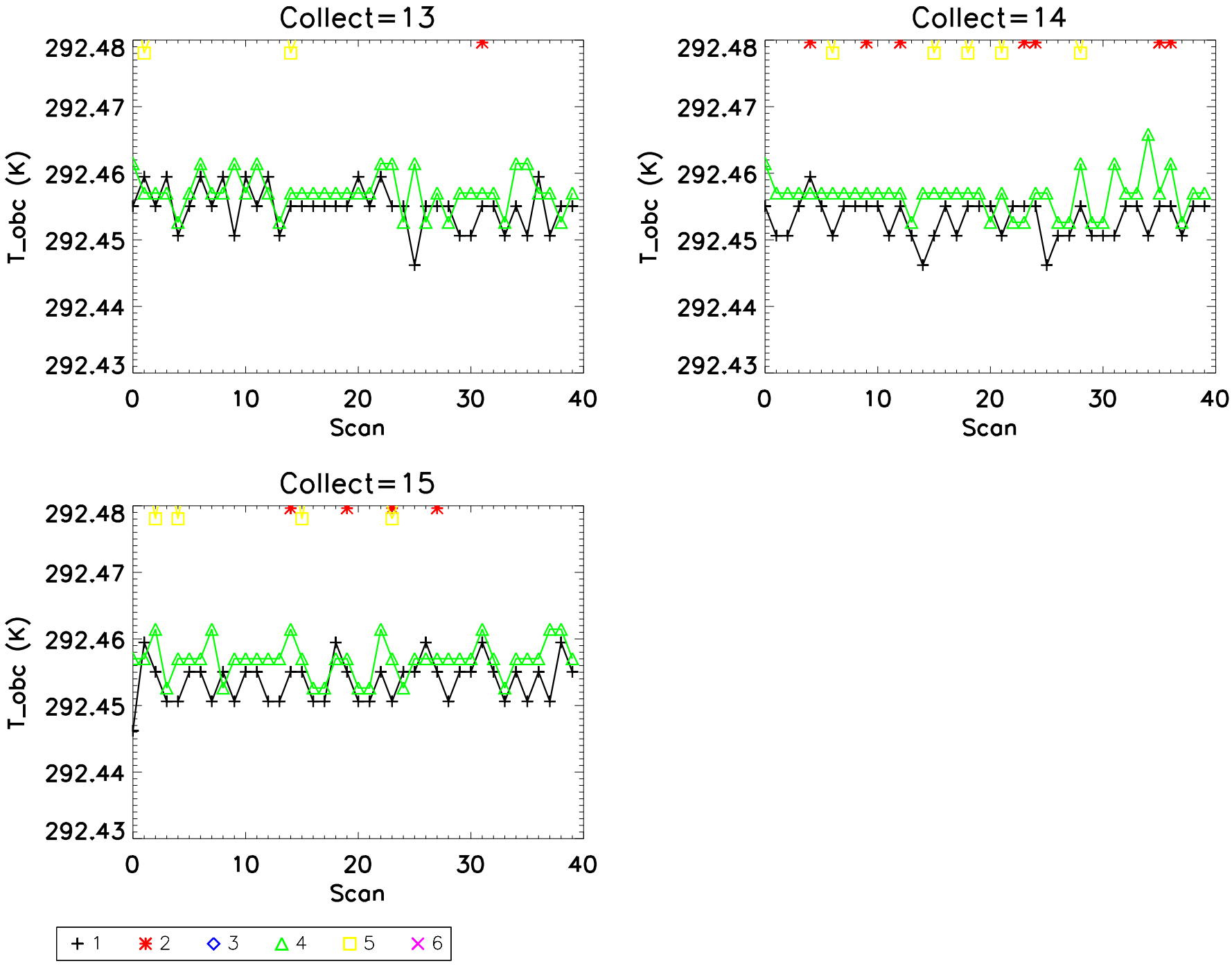

Collect = 10
Collect = 11
Collect = 12
Collect = 13
Collect = 14
Collect = 15
T_obc (K)
Scan
292.56
292.54
292.52
292.50
292.48
292.46
292.44
292.42
0
10
20
30
40

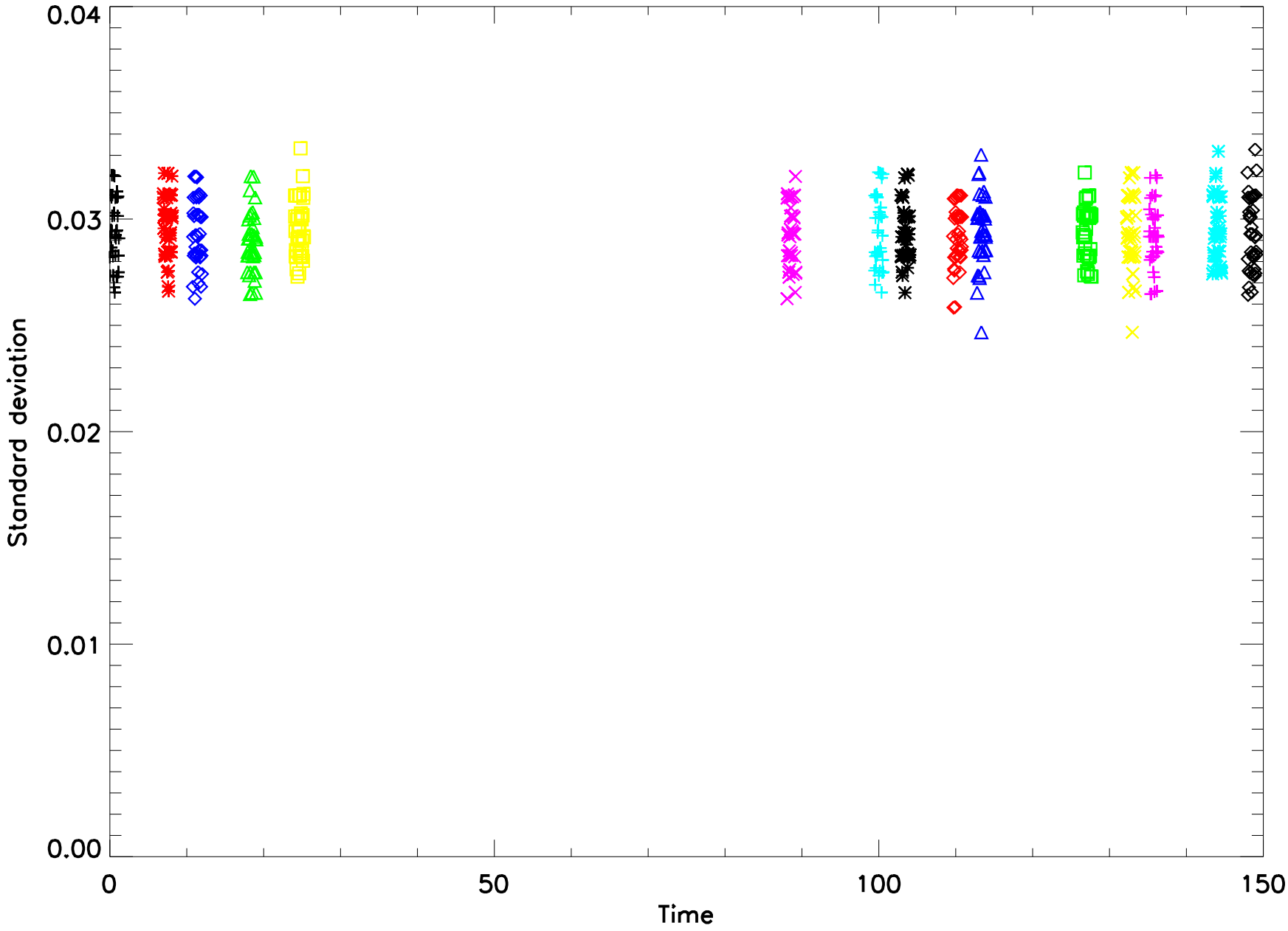

T_OBC per thermistors vs Scan
Collect=1
Collect=2
Collect=3
Collect=4
T_obc (K)
Scan
292.48
292.47
292.46
292.45
292.44
292.43
0
10
20
30
40
1
2
3
4
5
6

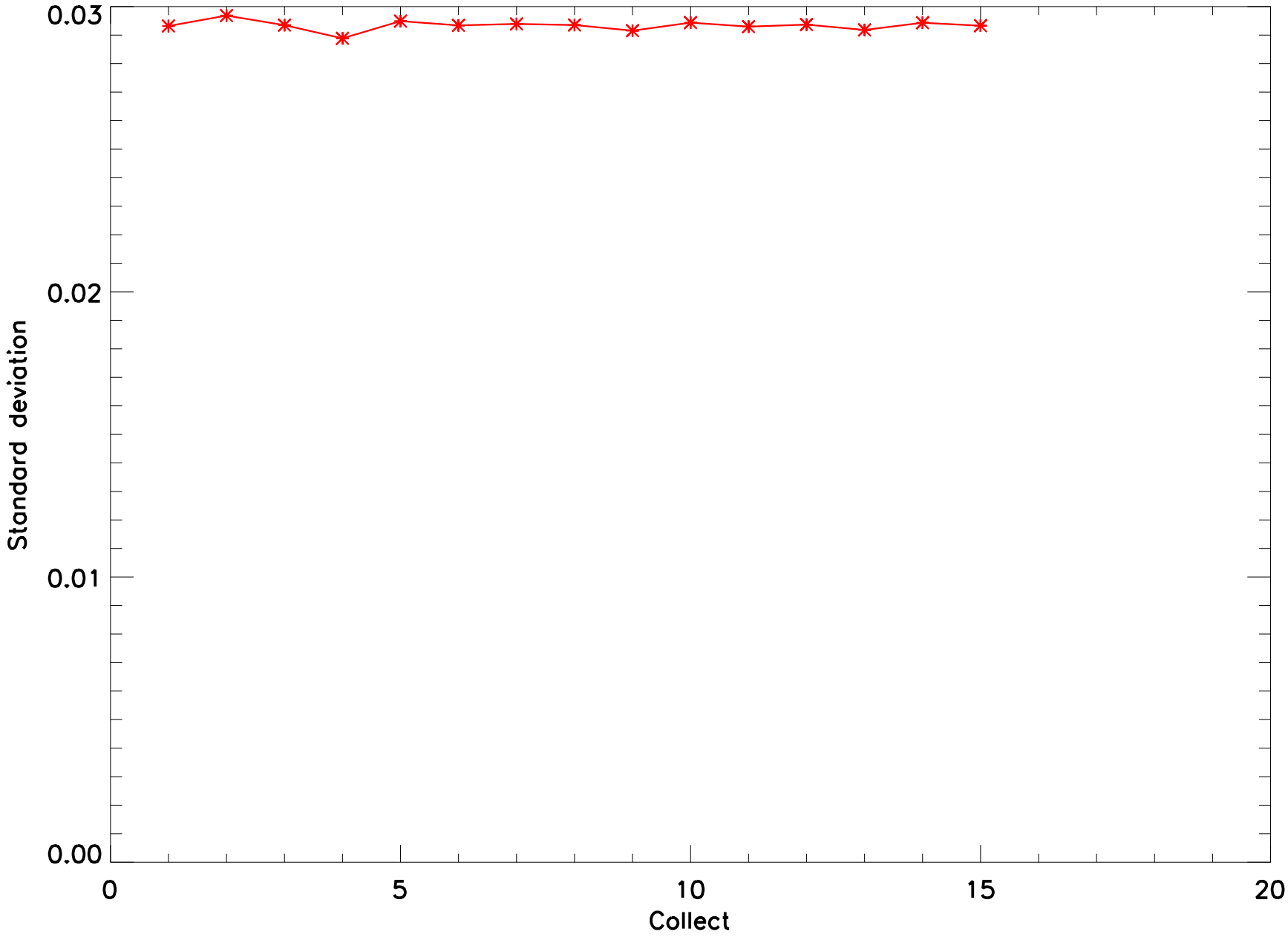

T_OBC per thermistors vs Scan
Collect=5
Collect=6
Collect=7
Collect=8
T_obc (K)
Scan
292.48
292.47
292.46
292.45
292.44
292.43
0
10
20
30
40
1
2
3
4
5
6

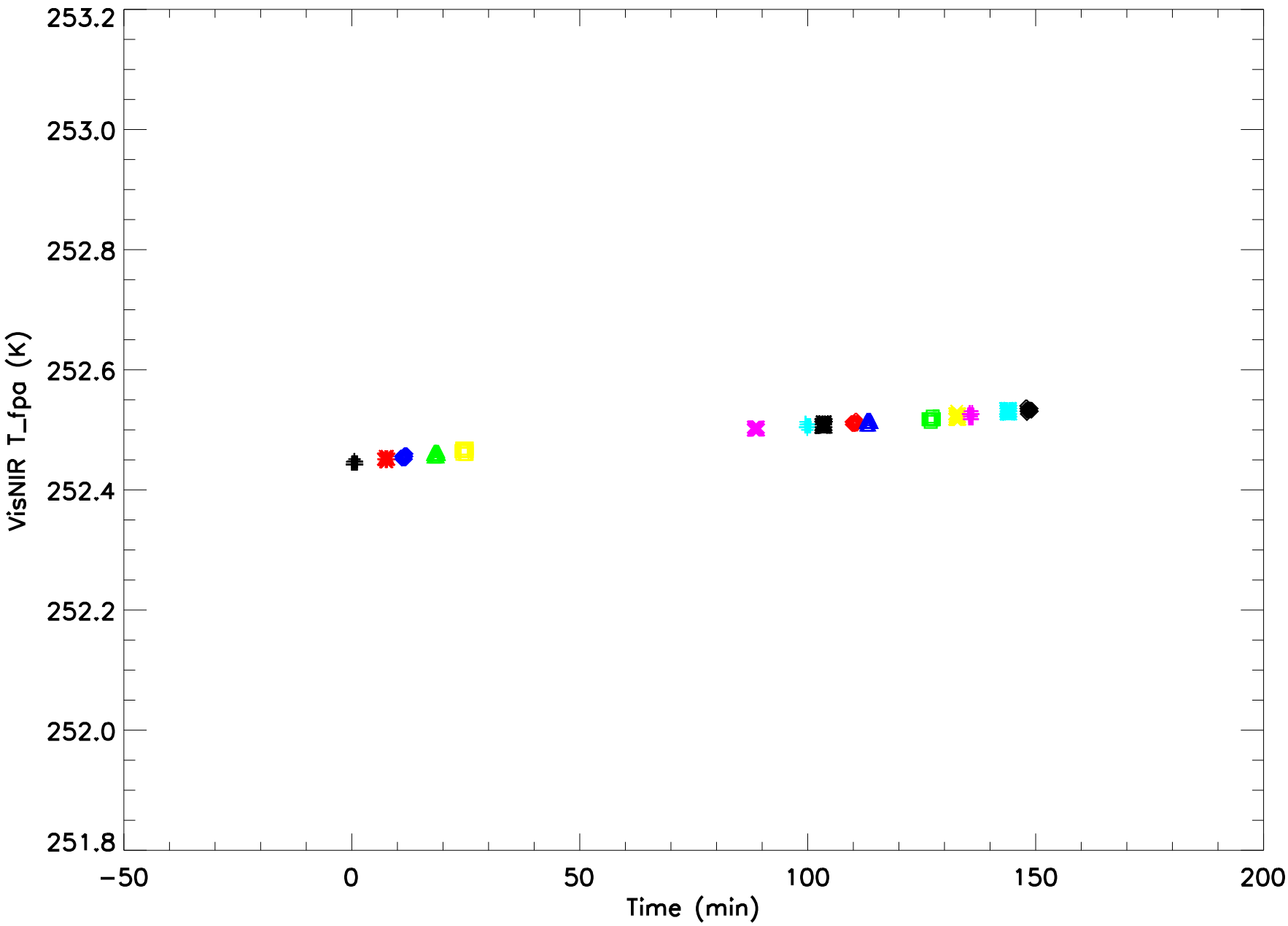

T_OBC per thermistors vs Scan
Collect=9
Collect=10
Collect=11
Collect=12
T_obc (K)
Scan
292.48
292.47
292.46
292.45
292.44
292.43
0
10
20
30
40
1
2
3
4
5
6

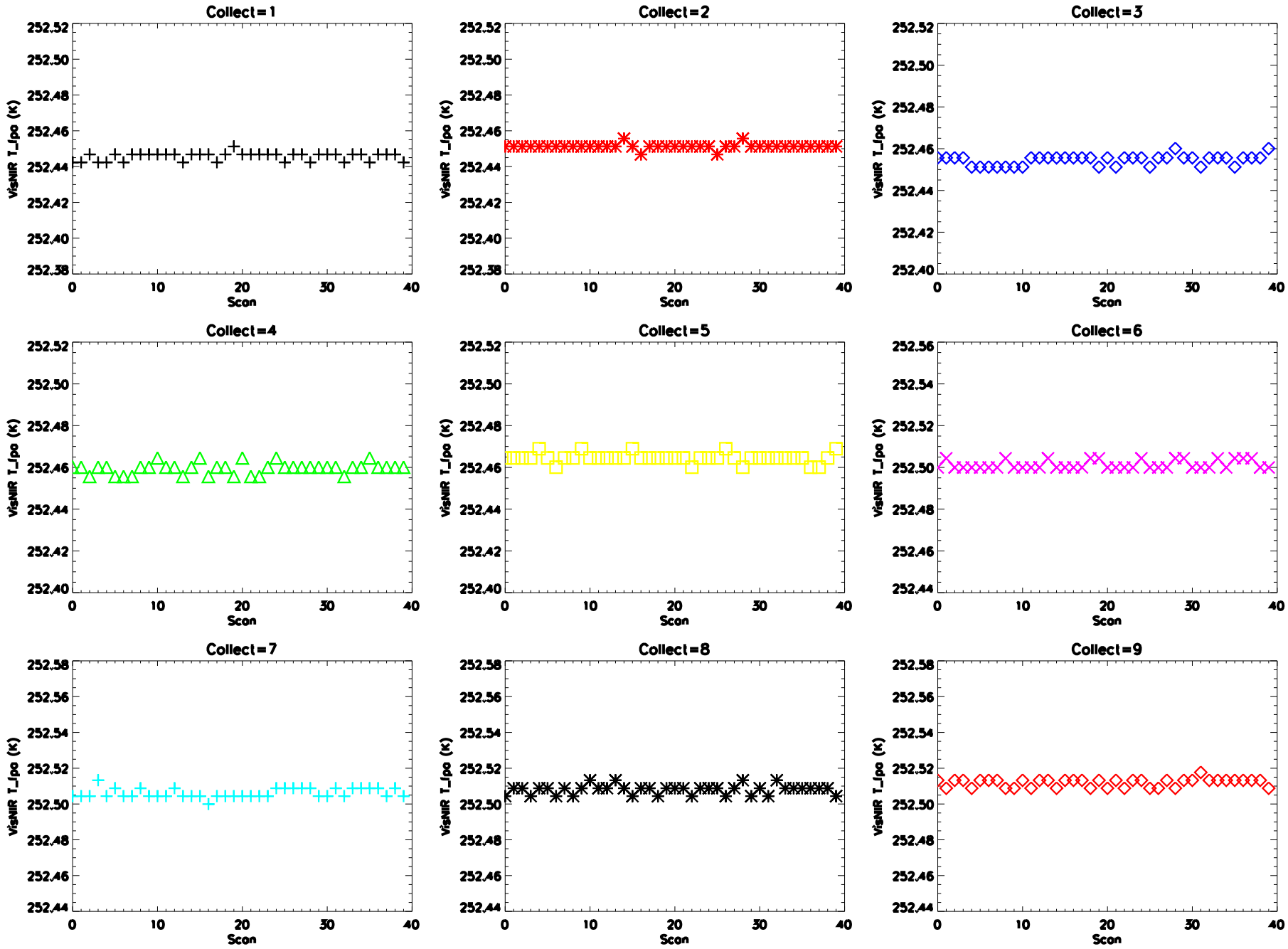
T_OBC per thermistors vs Scan



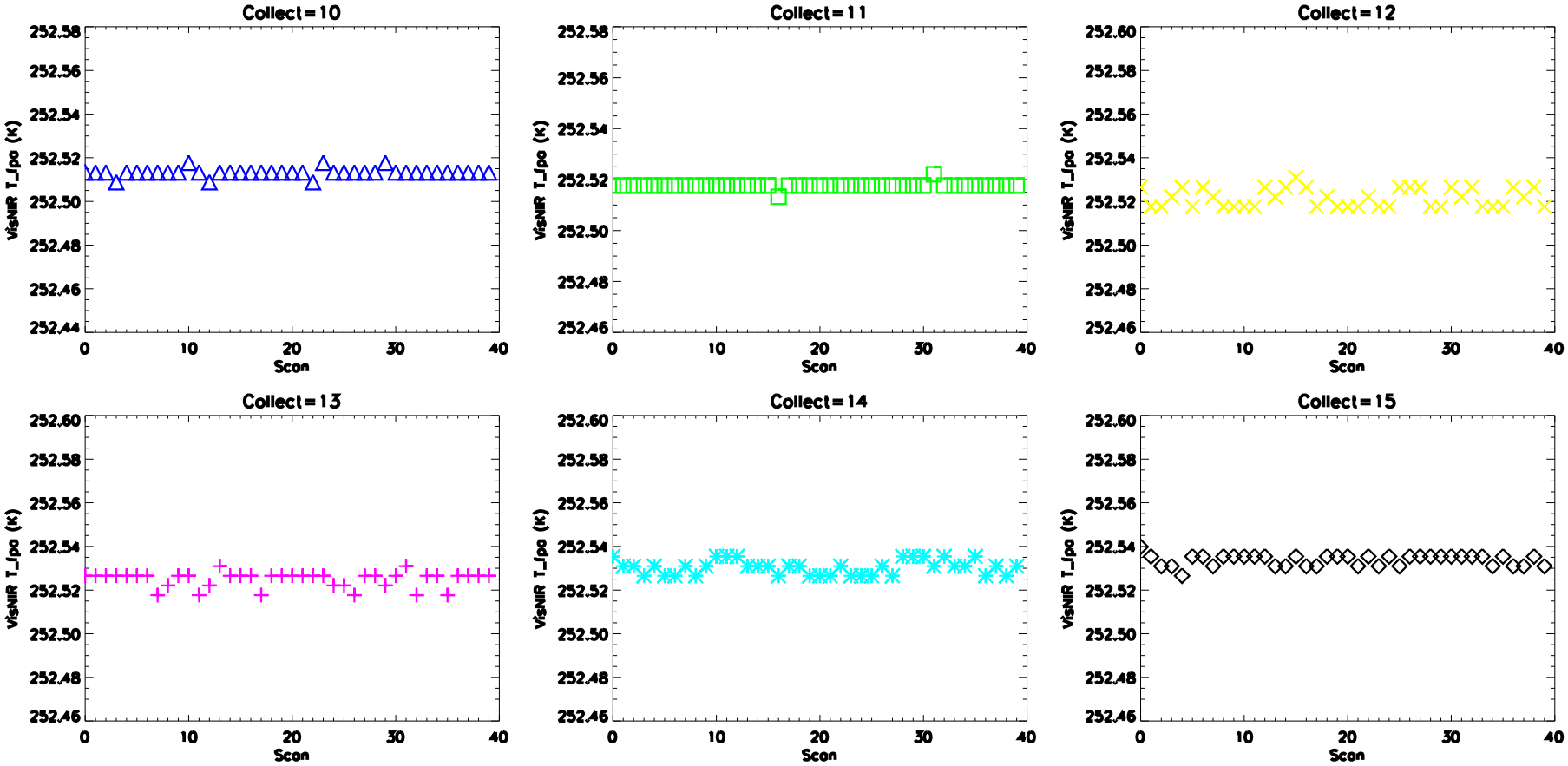

OBC thermistor standard deviation vs Time
Standard deviation
0.04
0.03
0.02
0.01
0.00
0
50
100
150
Time

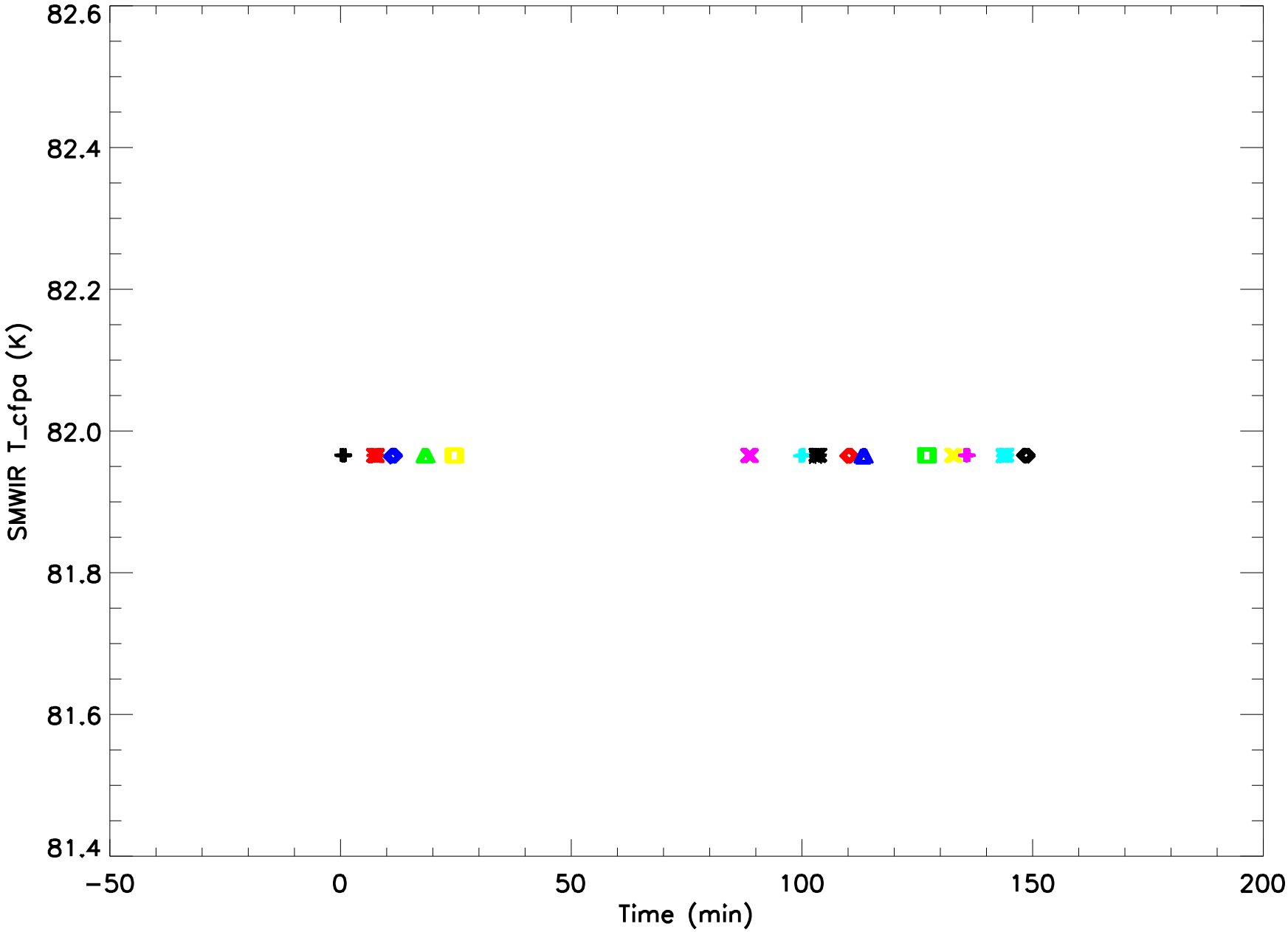

OBC thermistor standard deviation vs Collect
Standard deviation
0.03
0.02
0.01
0.00
0
5
10
15
20
Collect

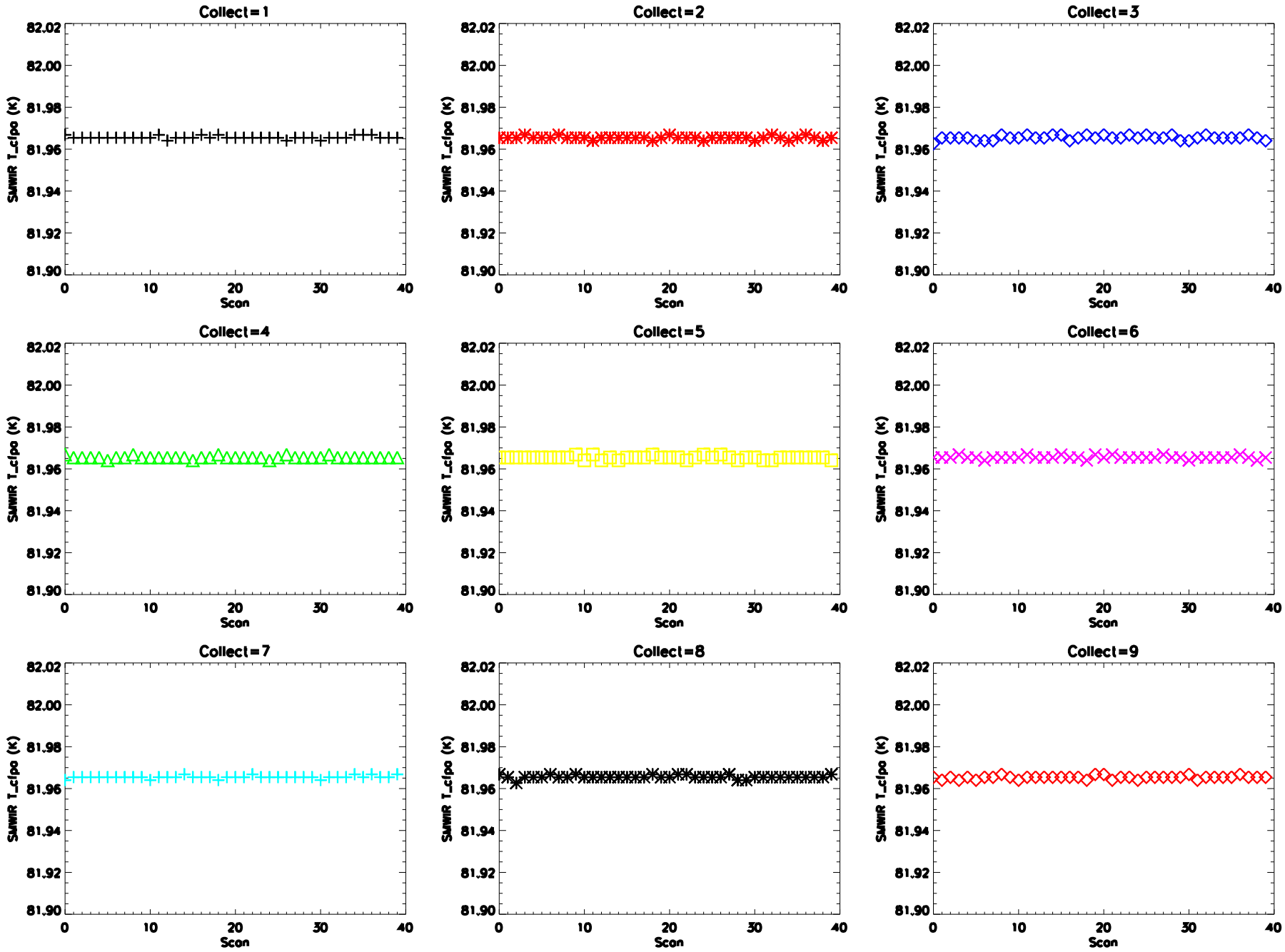

VisNIR T_fpa vs Time
VisNIR T_fpa (K)
253.2
253.0
252.8
252.6
252.4
252.2
252.0
251.8
−50
0
50
100
150
200
Time (min)


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

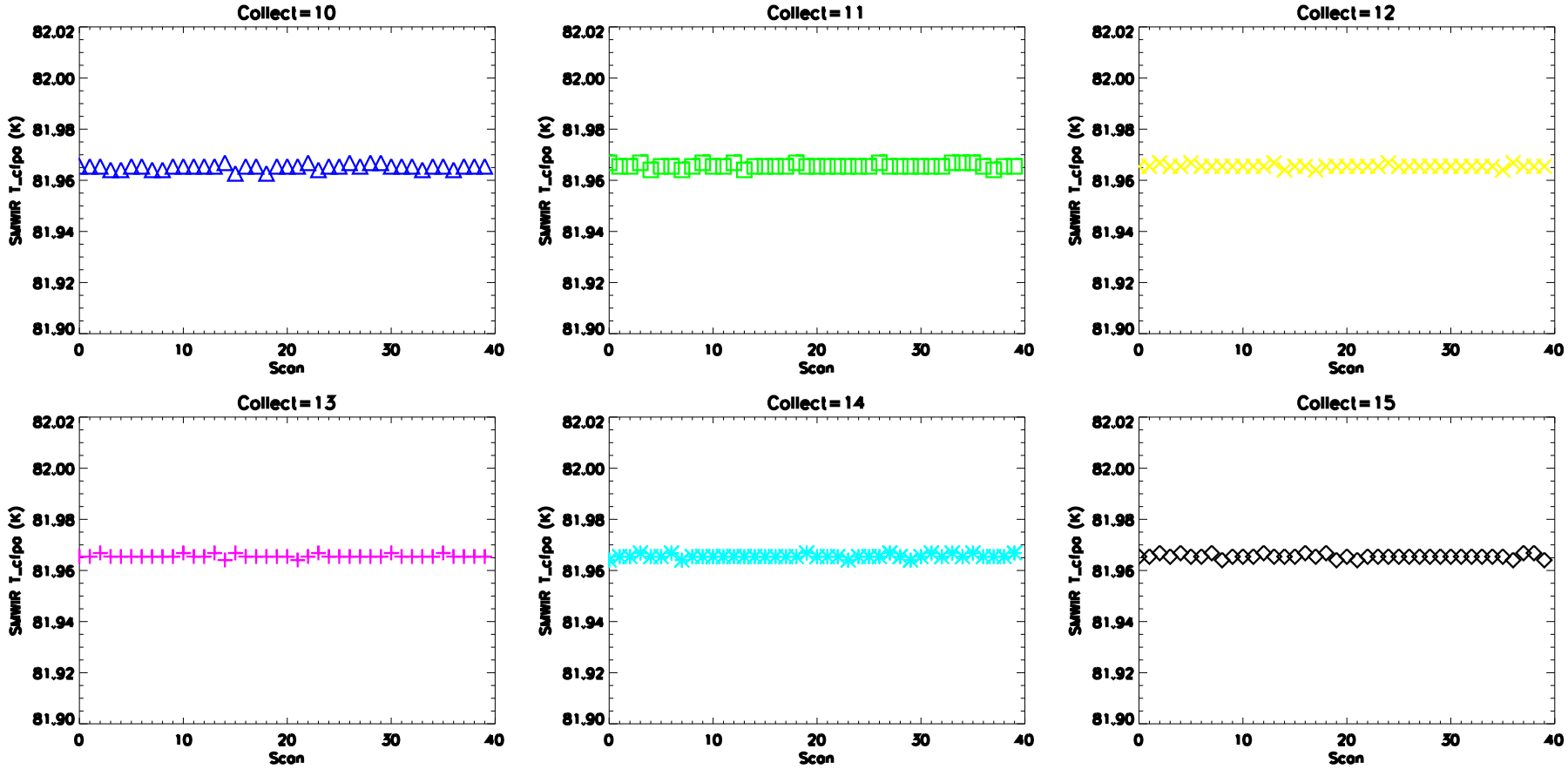
VisNIR T_fpa vs Scan

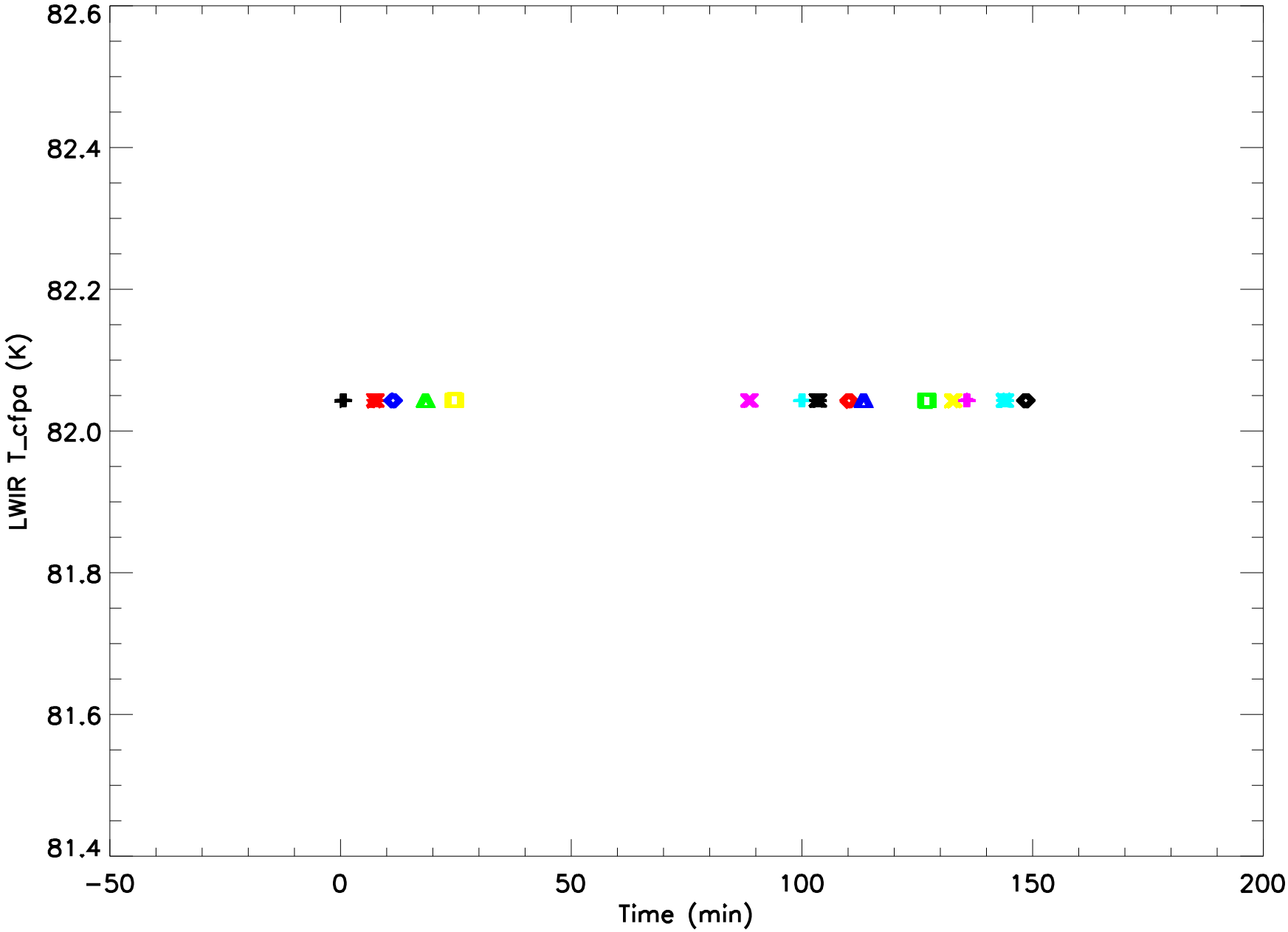


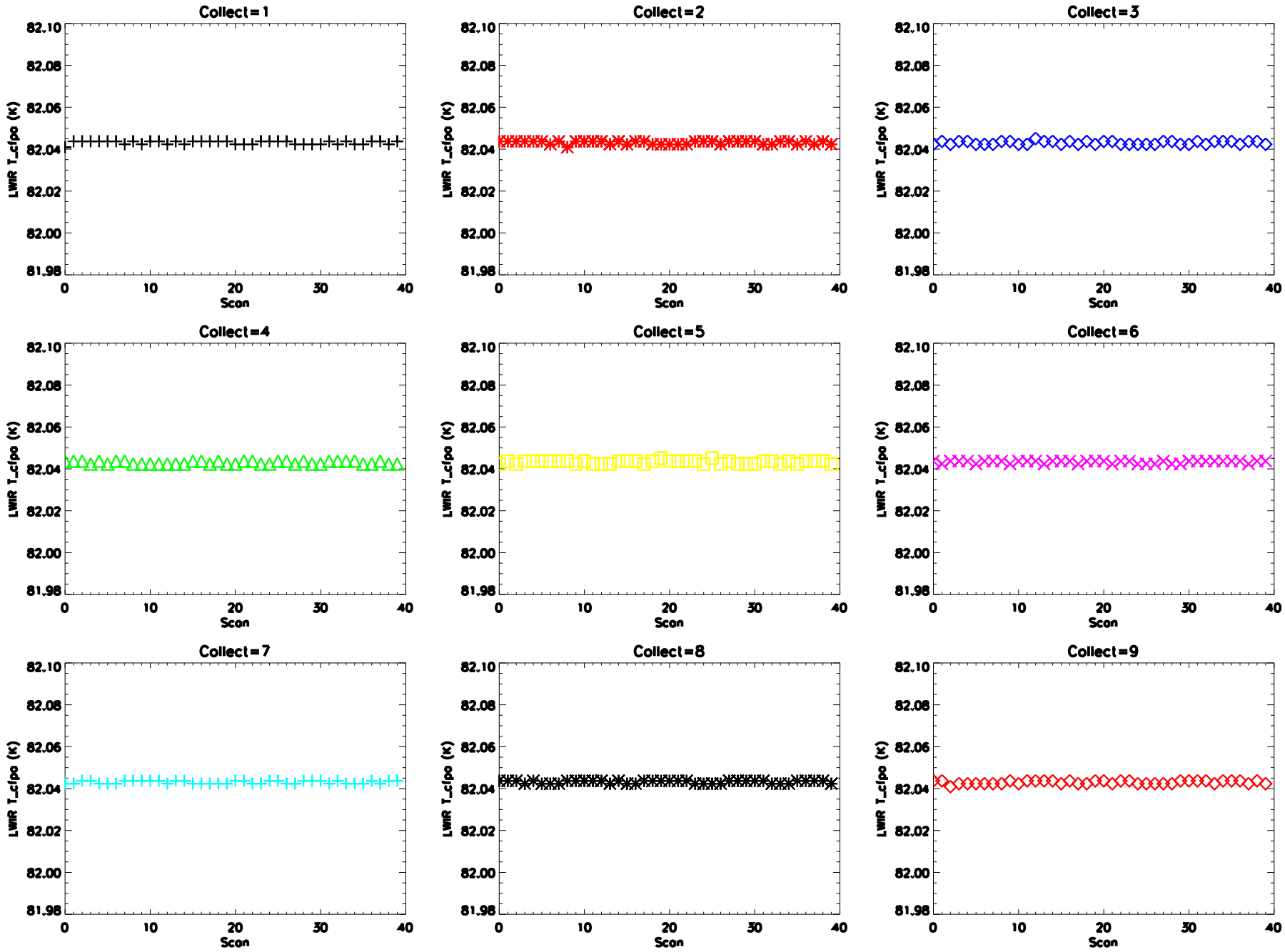

SMWIR T_cfpa vs Time
82.6
82.4
82.2
82.0
81.8
81.6
81.4
SMWIR T_cfpa (K)
−50
0
50
100
150
200
Time (min)


Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
SMWIR T_clpa (K)
Scan
82.02
82.00
81.98
81.96
81.94
81.92
81.90
0
10
20
30
40

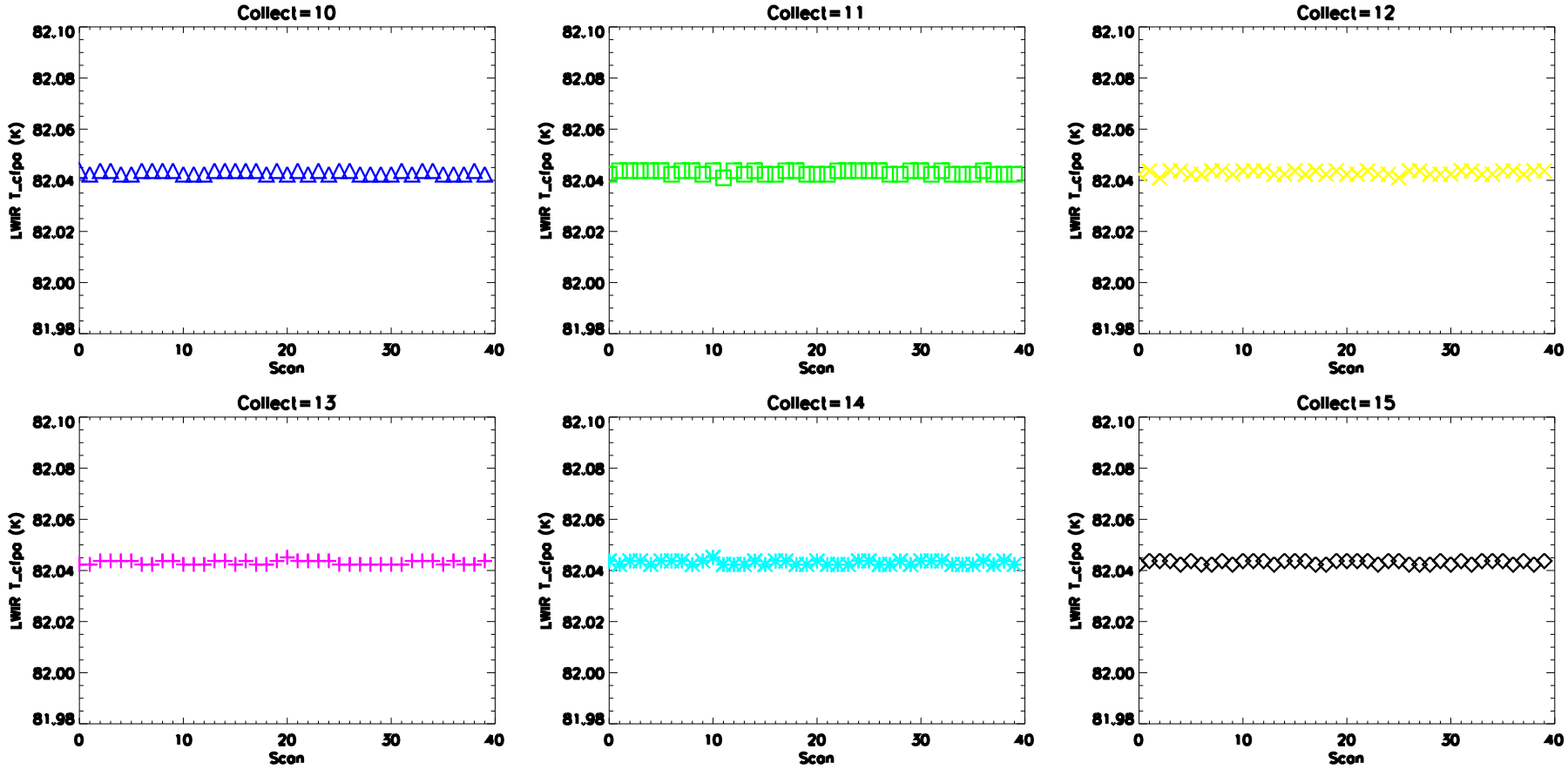
SMWIR T_cfpa vs Scan

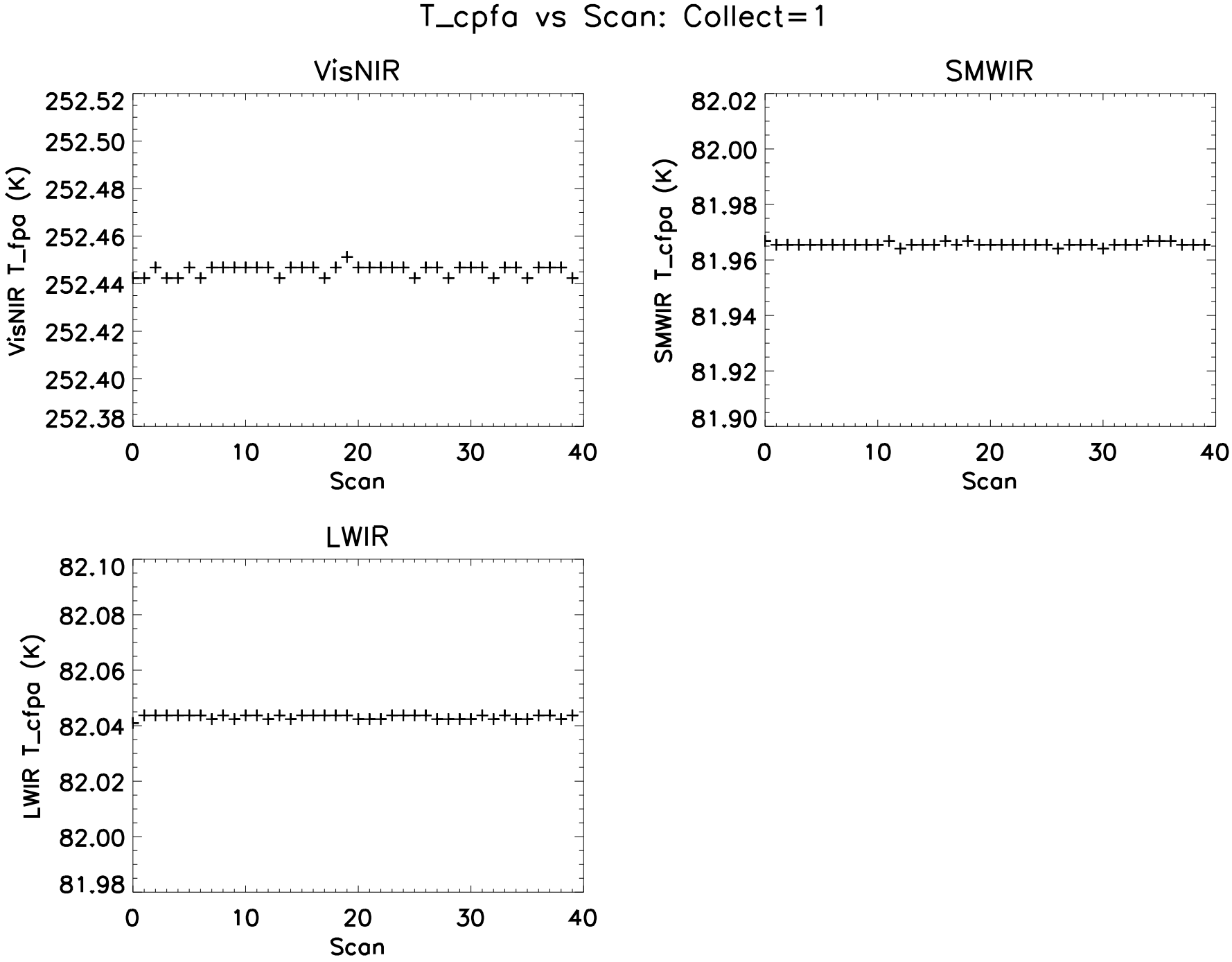


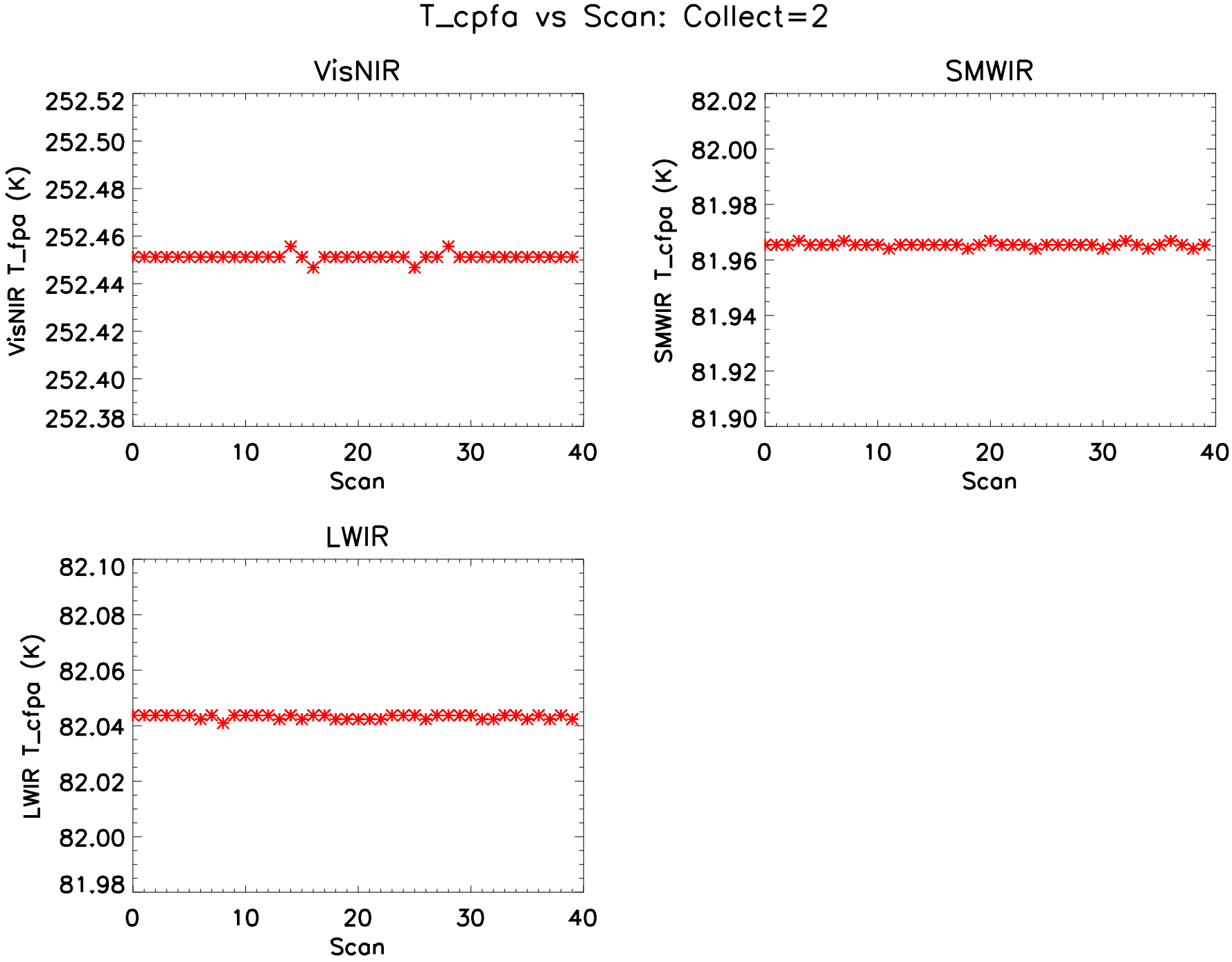

LWIR T_cfpa vs Time
LWIR T_cfpa (K)
82.6
82.4
82.2
82.0
81.8
81.6
81.4
−50
0
50
100
150
200
Time (min)

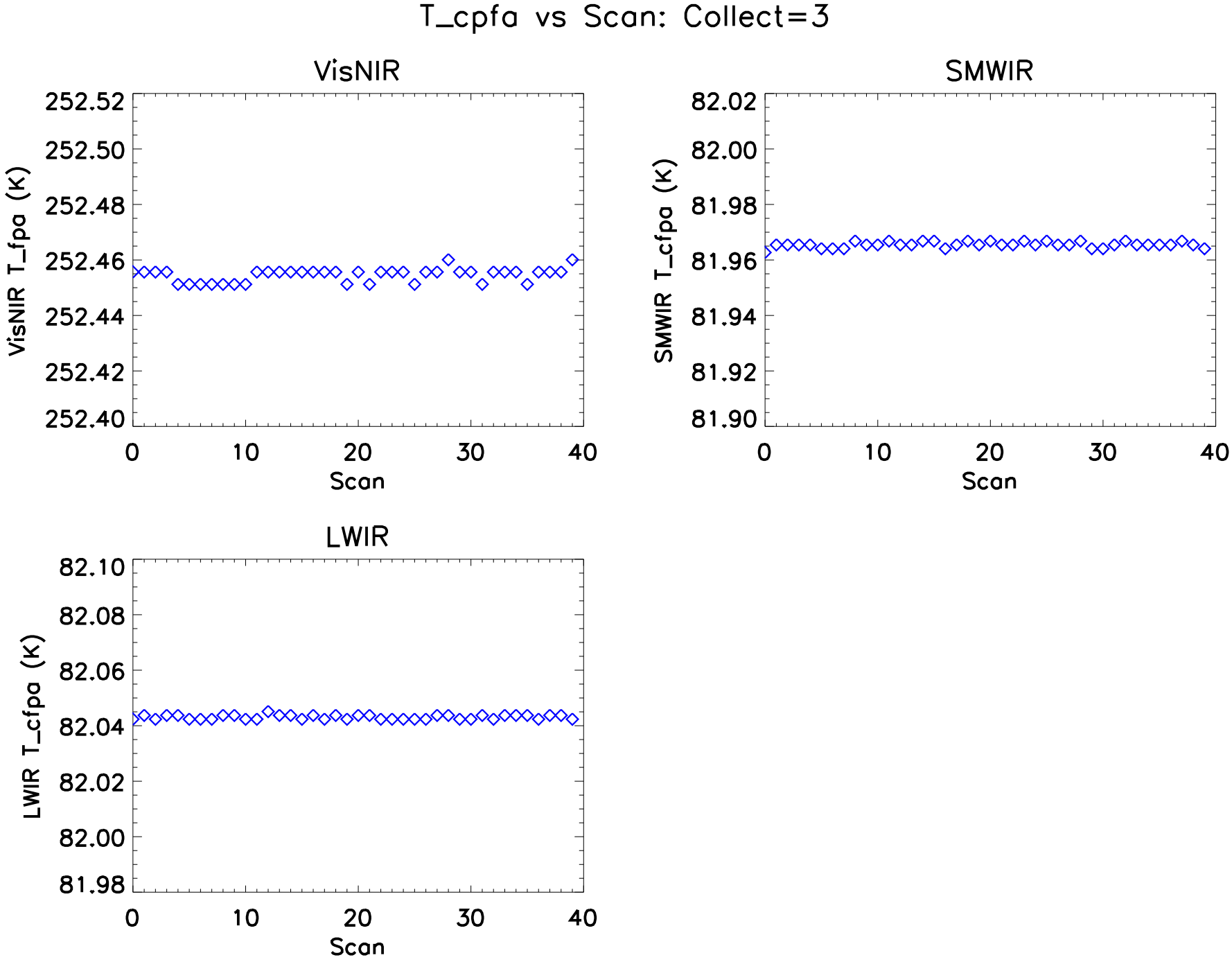

Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
LWIR T_cfpa (K)
Scan
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40

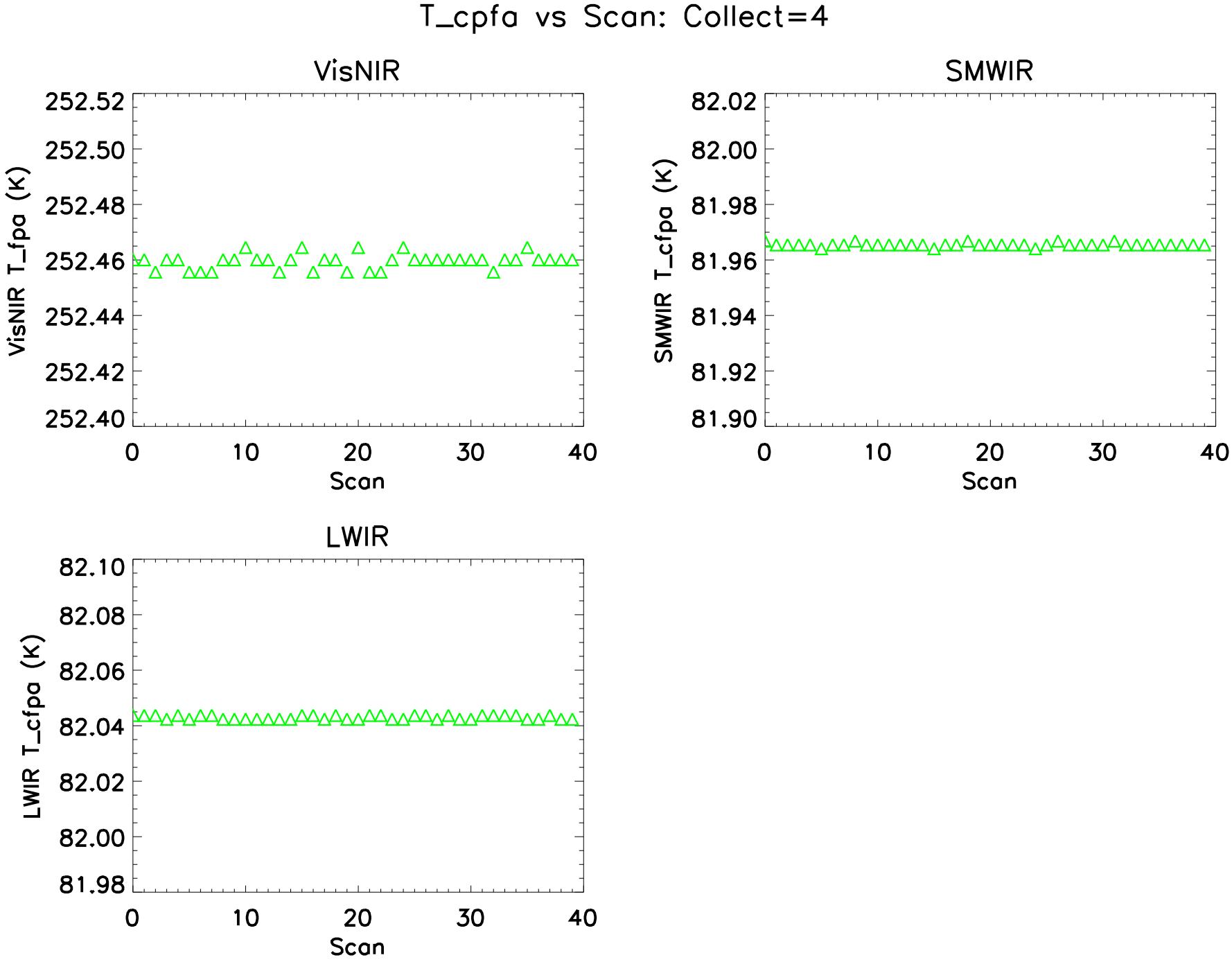
LWIR T_cfpa vs Scan

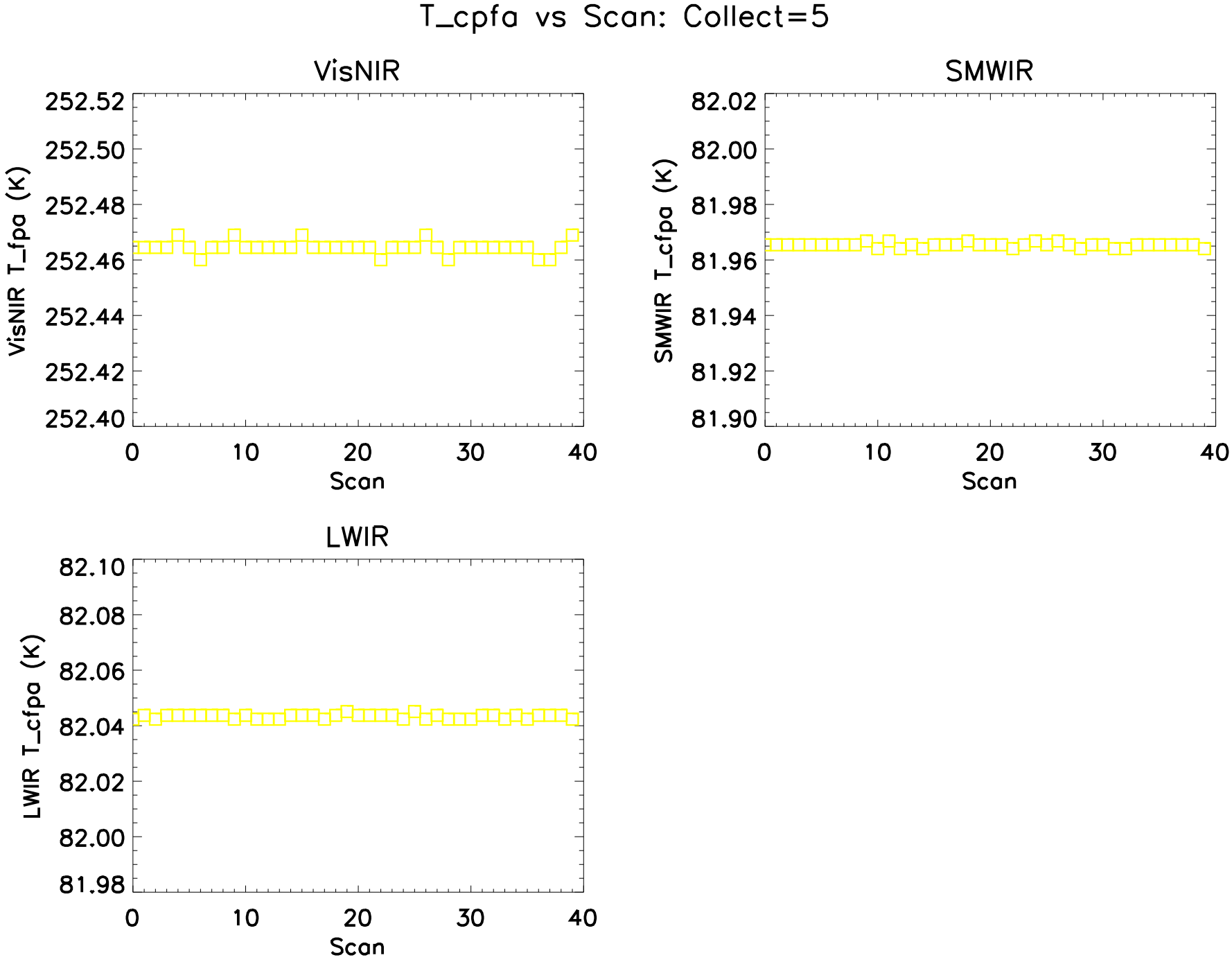


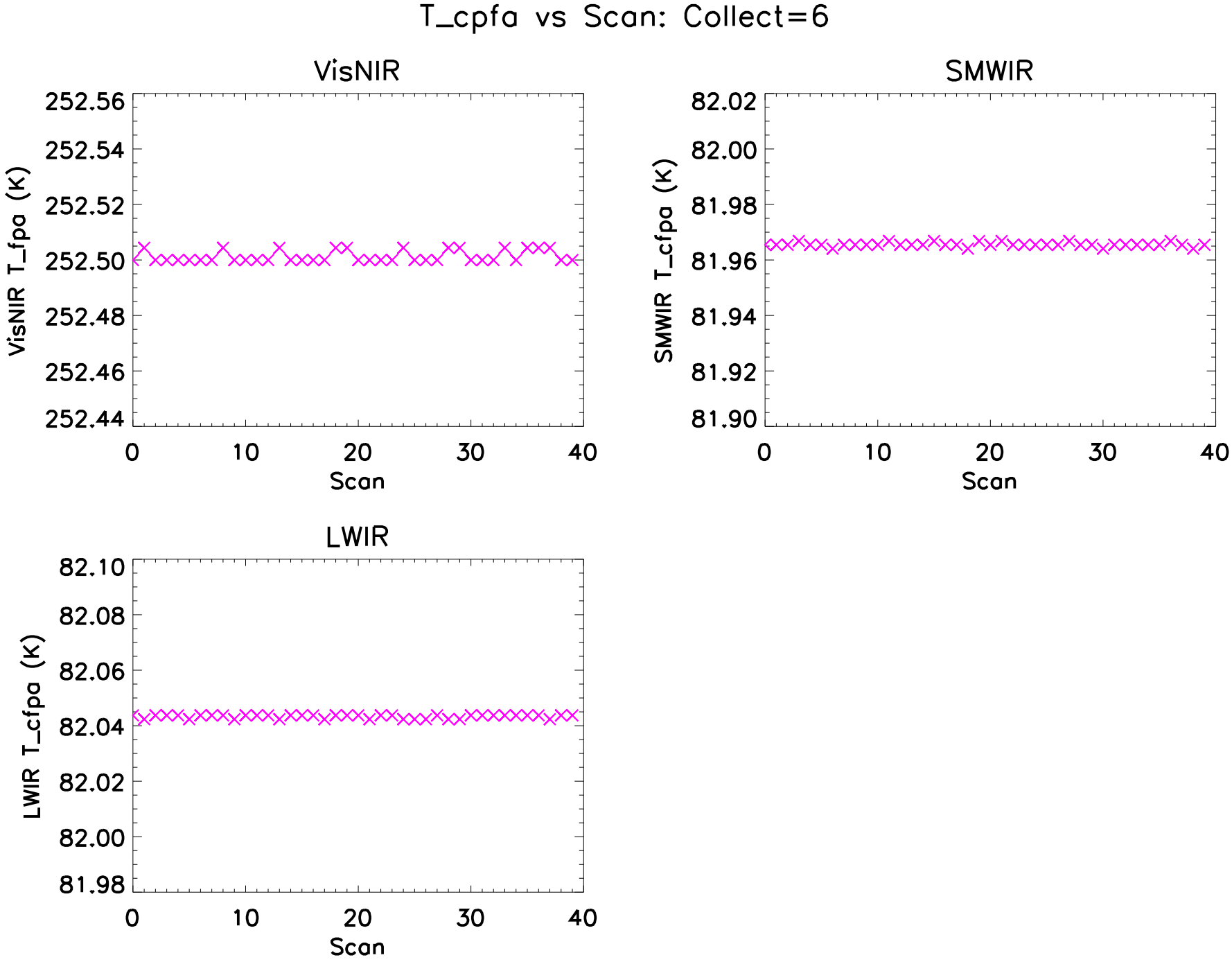

T_cpfa vs Scan: Collect=1
VisNIR
VisNIR T_fpa (K)
252.52
252.50
252.48
252.46
252.44
252.42
252.40
252.38
0
10
20
30
40
Scan
SMWIR
SMWIR T_cfpa (K)
82.02
82.00
81.98
81.96
81.94
81.92
81.90
0
10
20
30
40
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
Scan

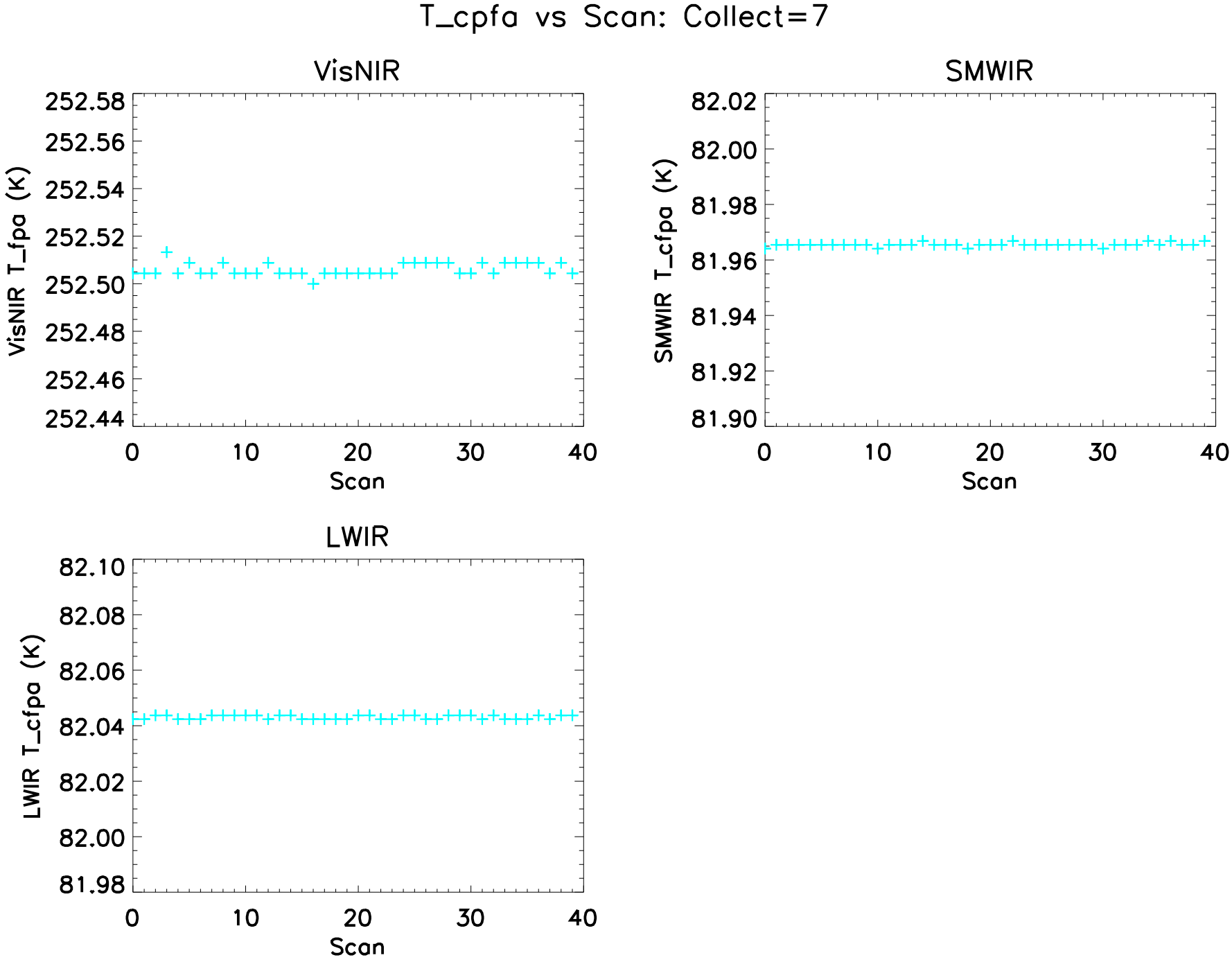

T_cpfa vs Scan: Collect=2
VisNIR
VisNIR T_fpa (K)
252.52
252.50
252.48
252.46
252.44
252.42
252.40
252.38
0
10
20
30
40
Scan
SMWIR
SMWIR T_cfpa (K)
82.02
82.00
81.98
81.96
81.94
81.92
81.90
0
10
20
30
40
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
Scan

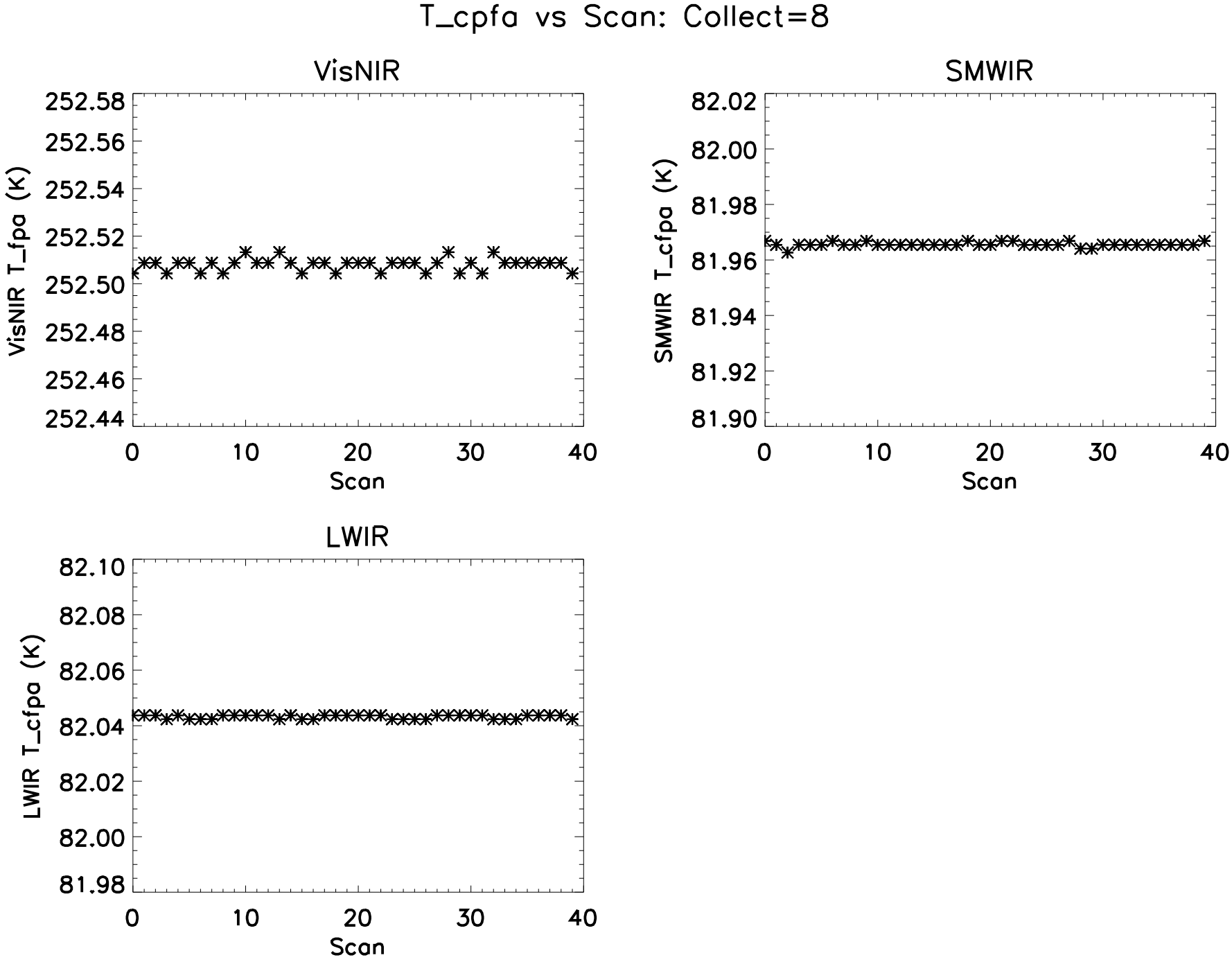

T_cpfa vs Scan: Collect=3
VisNIR
VisNIR T_fpa (K)
252.52
252.50
252.48
252.46
252.44
252.42
252.40
0
10
20
30
40
Scan
SMWIR
SMWIR T_cfpa (K)
82.02
82.00
81.98
81.96
81.94
81.92
81.90
0
10
20
30
40
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
Scan

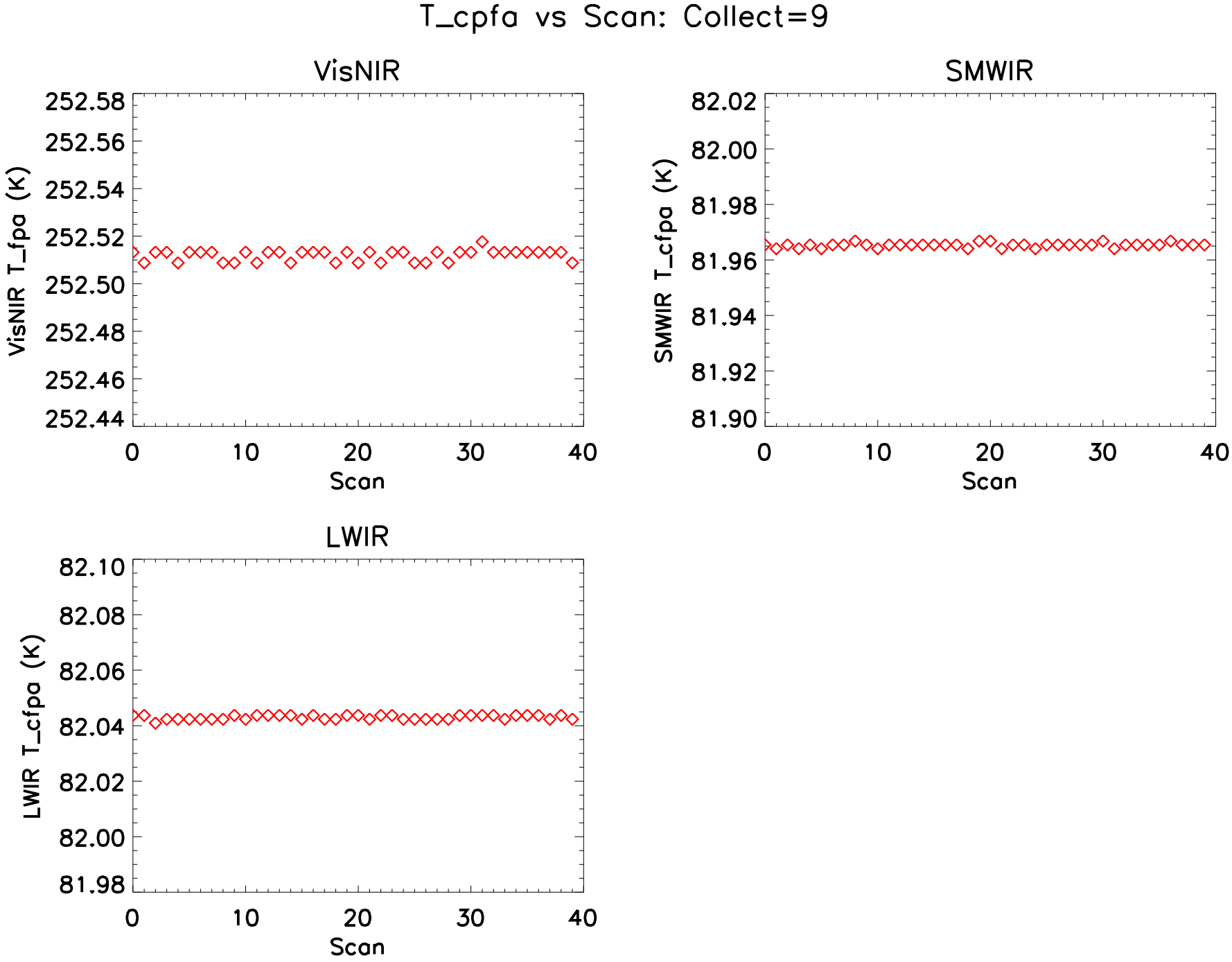

T_cpfa vs Scan: Collect=4
VisNIR
VisNIR T_fpa (K)
252.52
252.50
252.48
252.46
252.44
252.42
252.40
0
10
20
30
40
Scan
SMWIR
SMWIR T_cfpa (K)
82.02
82.00
81.98
81.96
81.94
81.92
81.90
0
10
20
30
40
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
Scan

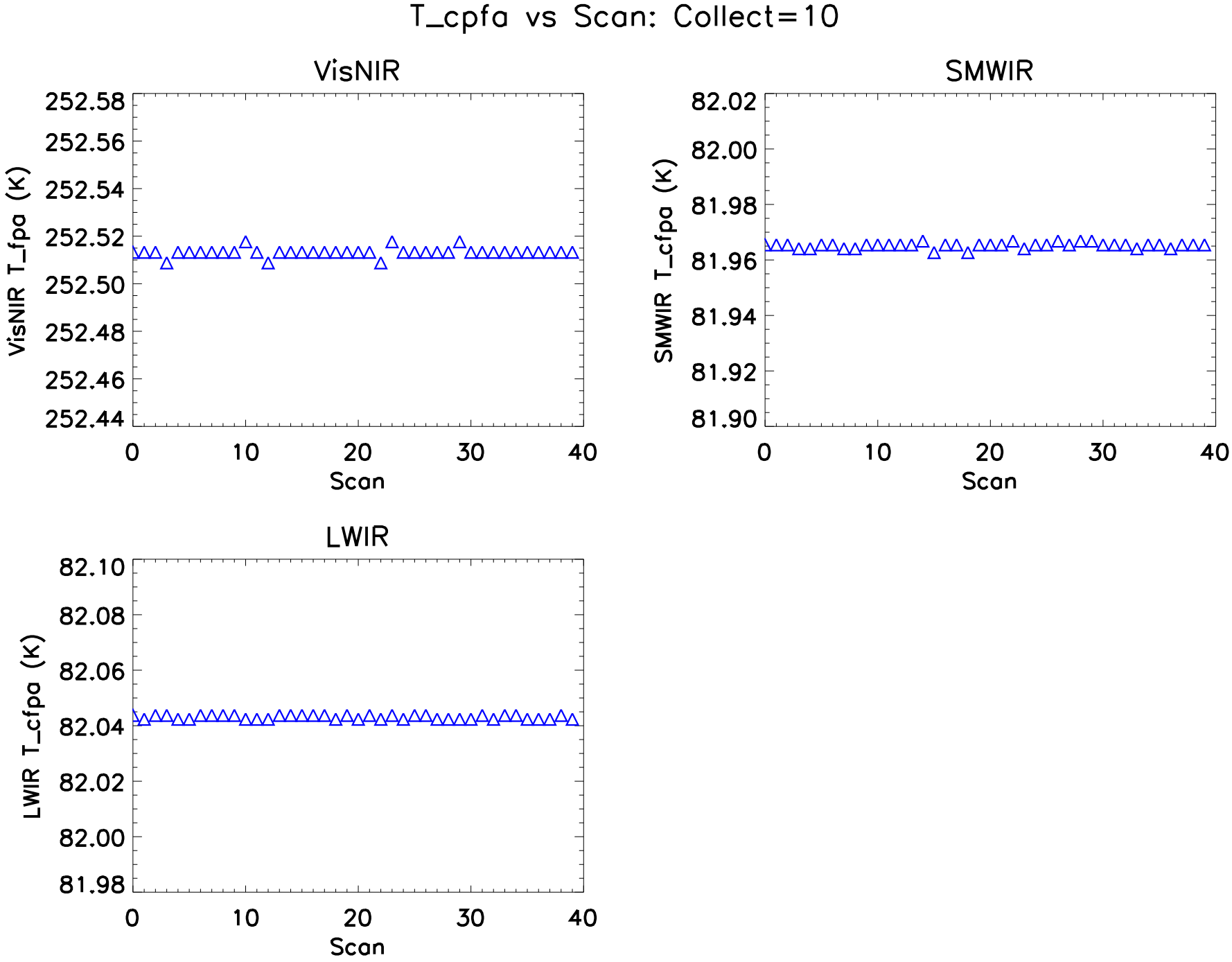

T_cpfa vs Scan: Collect=5
VisNIR
VisNIR T_fpa (K)
252.52
252.50
252.48
252.46
252.44
252.42
252.40
0
10
20
30
40
Scan
SMWIR
SMWIR T_cfpa (K)
82.02
82.00
81.98
81.96
81.94
81.92
81.90
0
10
20
30
40
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
Scan

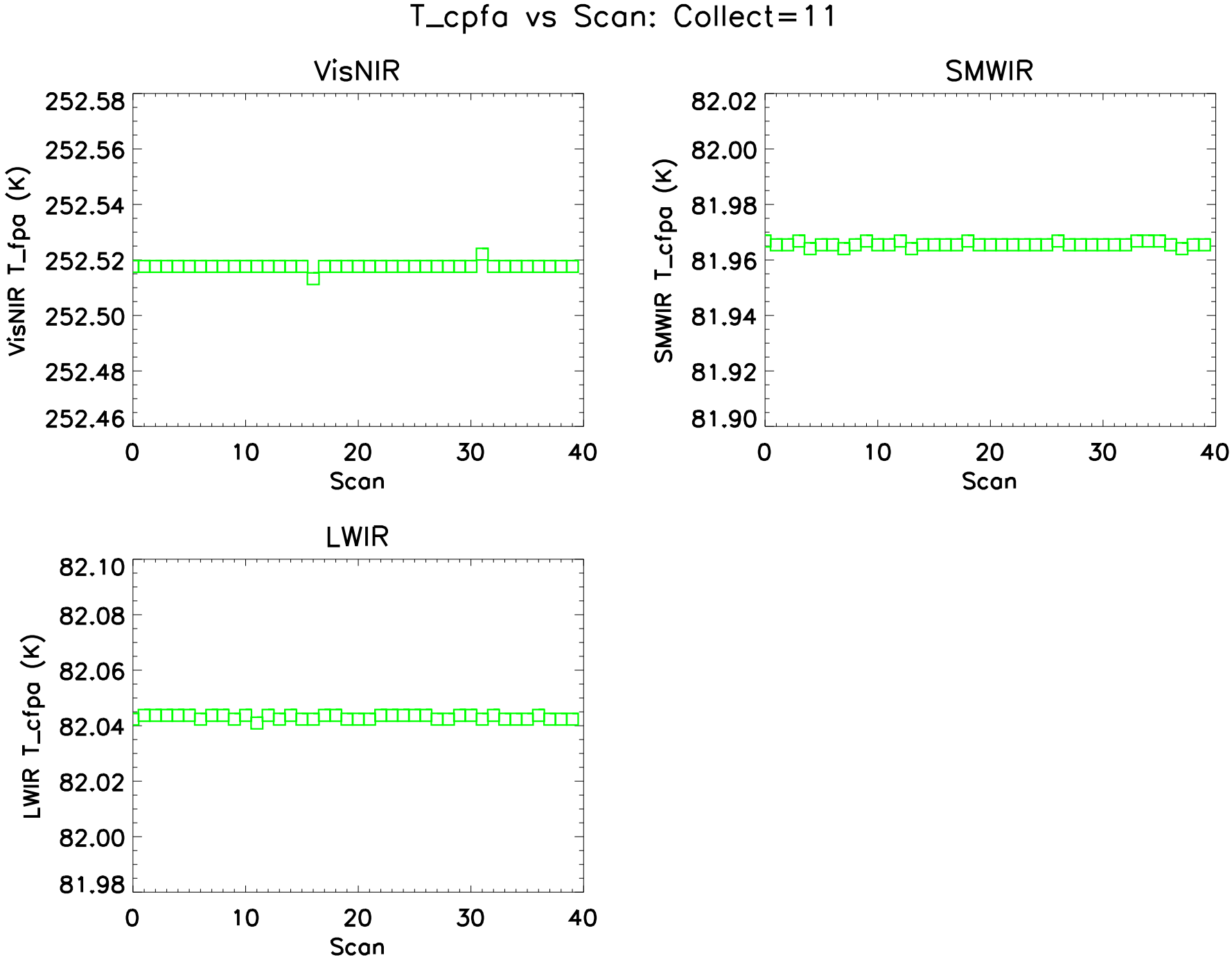

T_cpfa vs Scan: Collect=6
VisNIR
VisNIR T_fpa (K)
252.56
252.54
252.52
252.50
252.48
252.46
252.44
0
10
20
30
40
Scan
SMWIR
SMWIR T_cfpa (K)
82.02
82.00
81.98
81.96
81.94
81.92
81.90
0
10
20
30
40
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
Scan

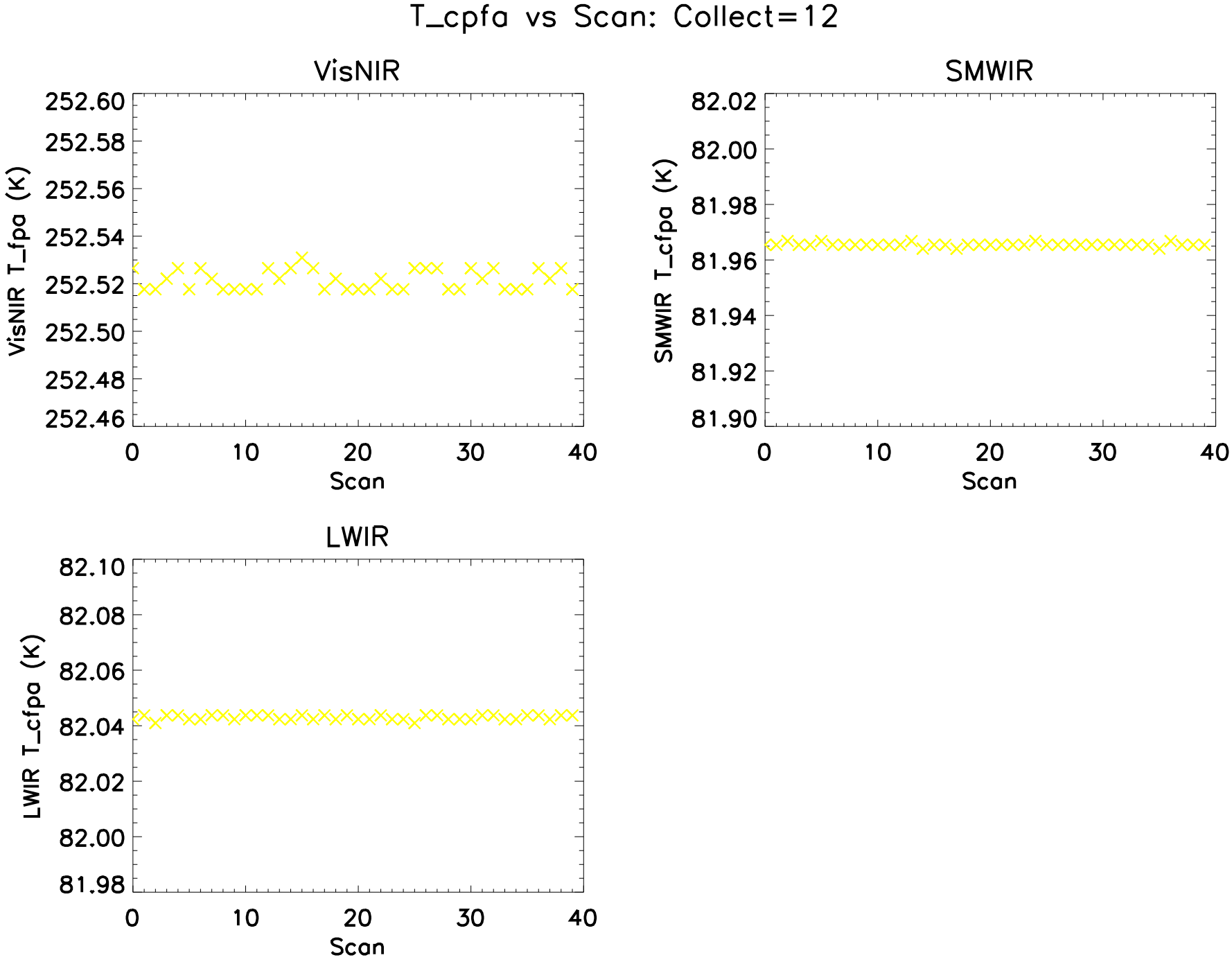

T_cpfa vs Scan: Collect=7
VisNIR
VisNIR T_fpa (K)
252.58
252.56
252.54
252.52
252.50
252.48
252.46
252.44
0
10
20
30
40
Scan
SMWIR
SMWIR T_cfpa (K)
82.02
82.00
81.98
81.96
81.94
81.92
81.90
0
10
20
30
40
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
Scan

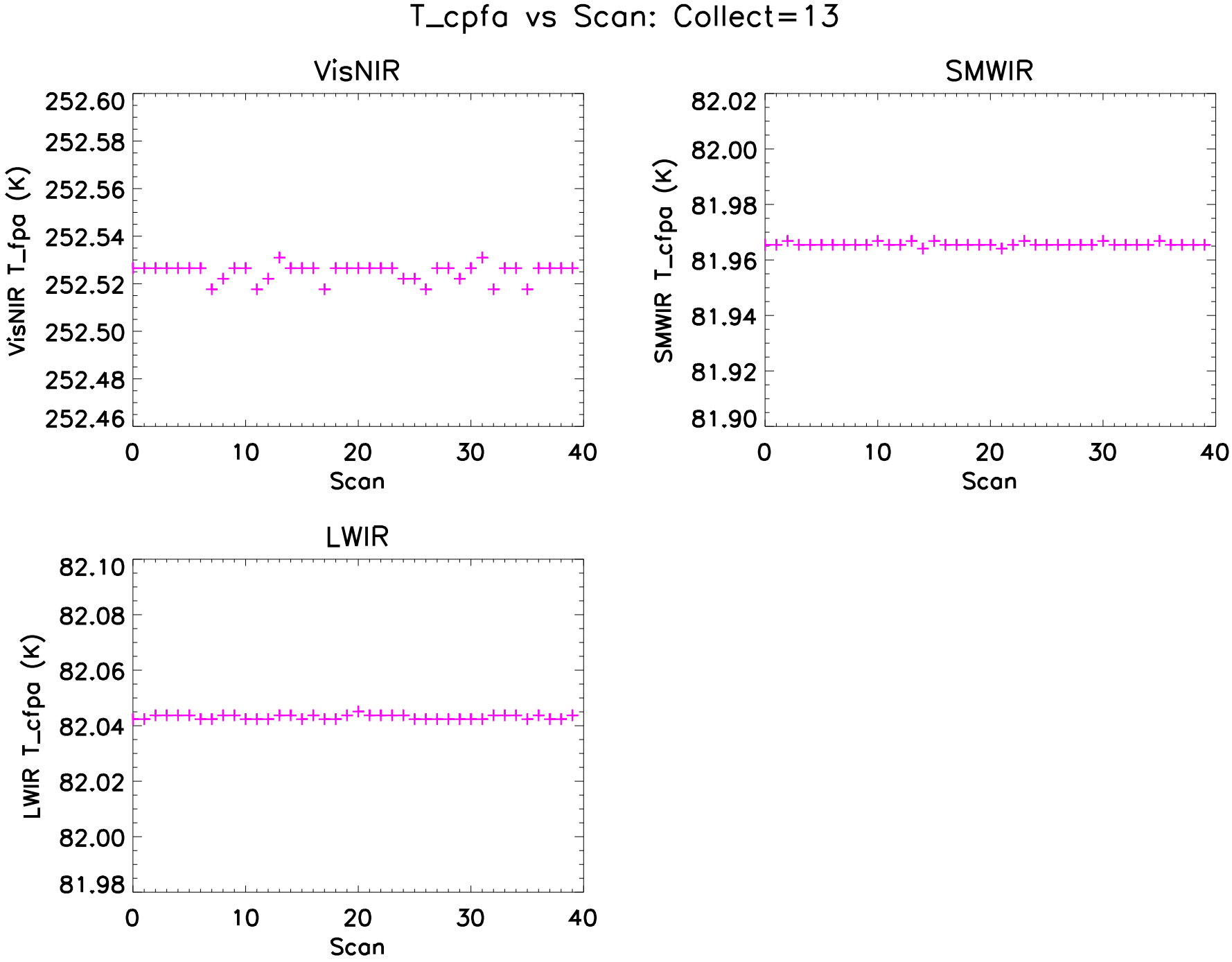

T_cpfa vs Scan: Collect=8
VisNIR
VisNIR T_fpa (K)
252.58
252.56
252.54
252.52
252.50
252.48
252.46
252.44
0
10
20
30
40
Scan
SMWIR
SMWIR T_cfpa (K)
82.02
82.00
81.98
81.96
81.94
81.92
81.90
0
10
20
30
40
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
Scan

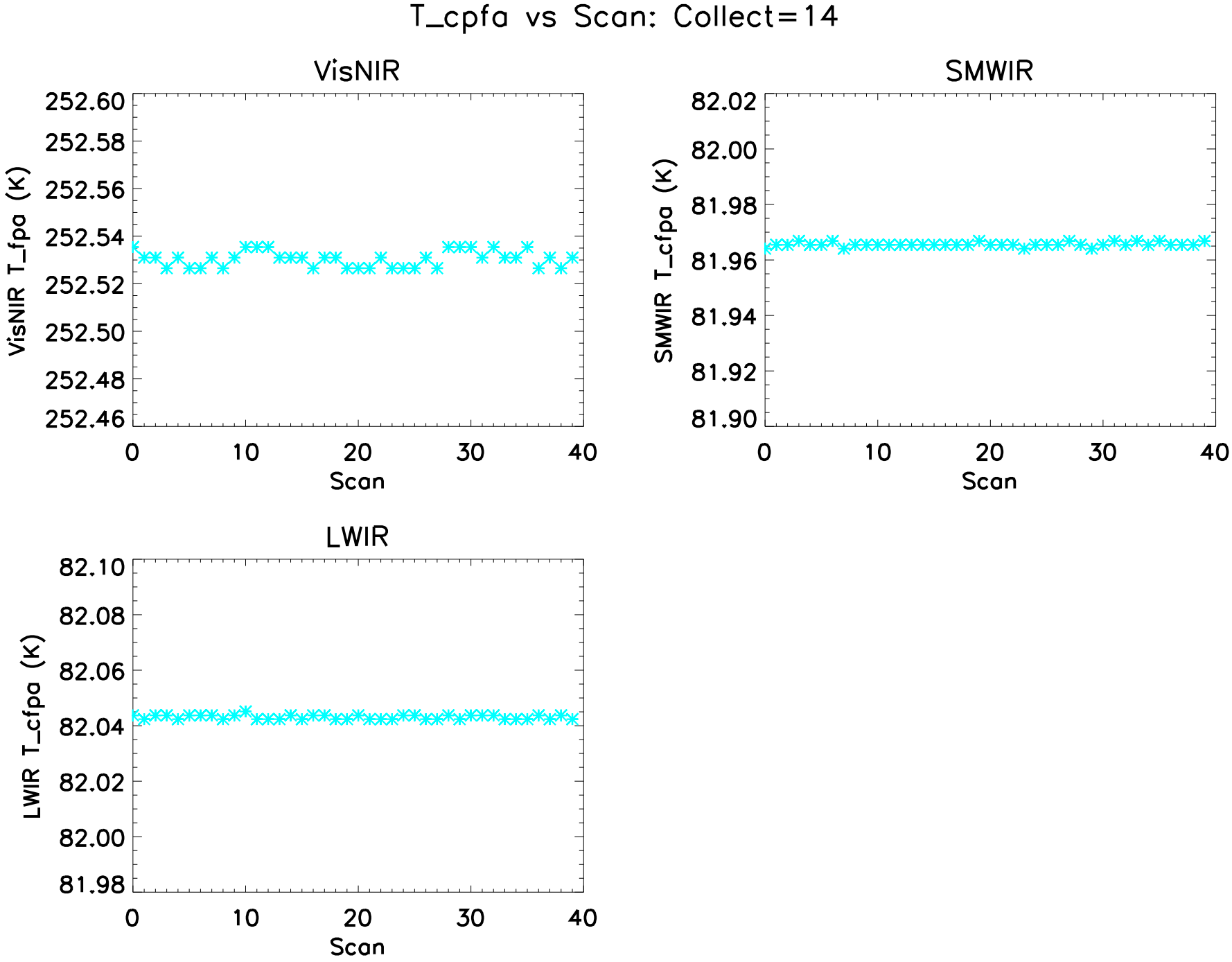

T_cpfa vs Scan: Collect=9
VisNIR
VisNIR T_fpa (K)
252.58
252.56
252.54
252.52
252.50
252.48
252.46
252.44
0
10
20
30
40
Scan
SMWIR
SMWIR T_cfpa (K)
82.02
82.00
81.98
81.96
81.94
81.92
81.90
0
10
20
30
40
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
Scan

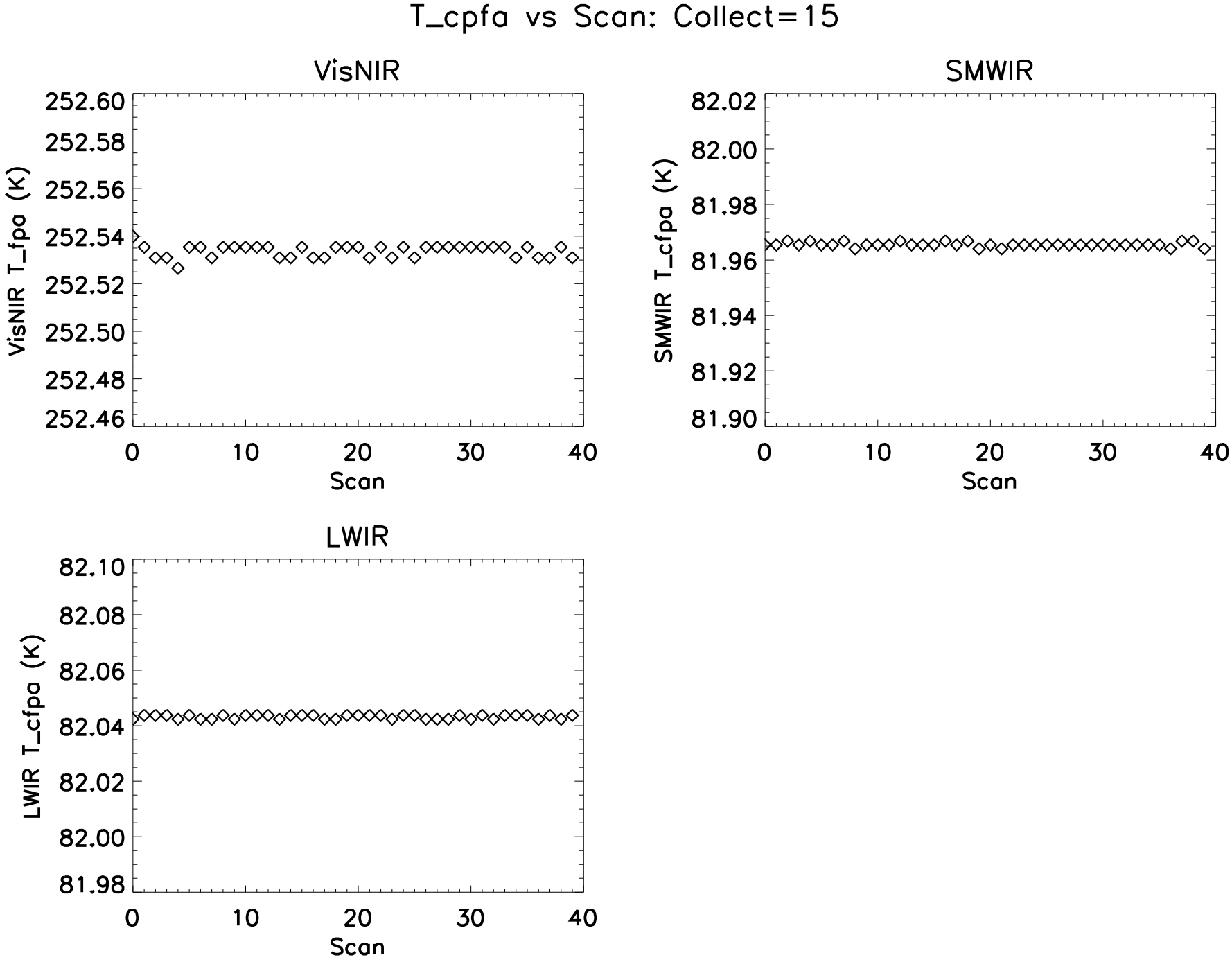

T_cpfa vs Scan: Collect=10
VisNIR
VisNIR T_fpa (K)
252.58
252.56
252.54
252.52
252.50
252.48
252.46
252.44
0
10
20
30
40
Scan
SMWIR
SMWIR T_cfpa (K)
82.02
82.00
81.98
81.96
81.94
81.92
81.90
0
10
20
30
40
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
Scan

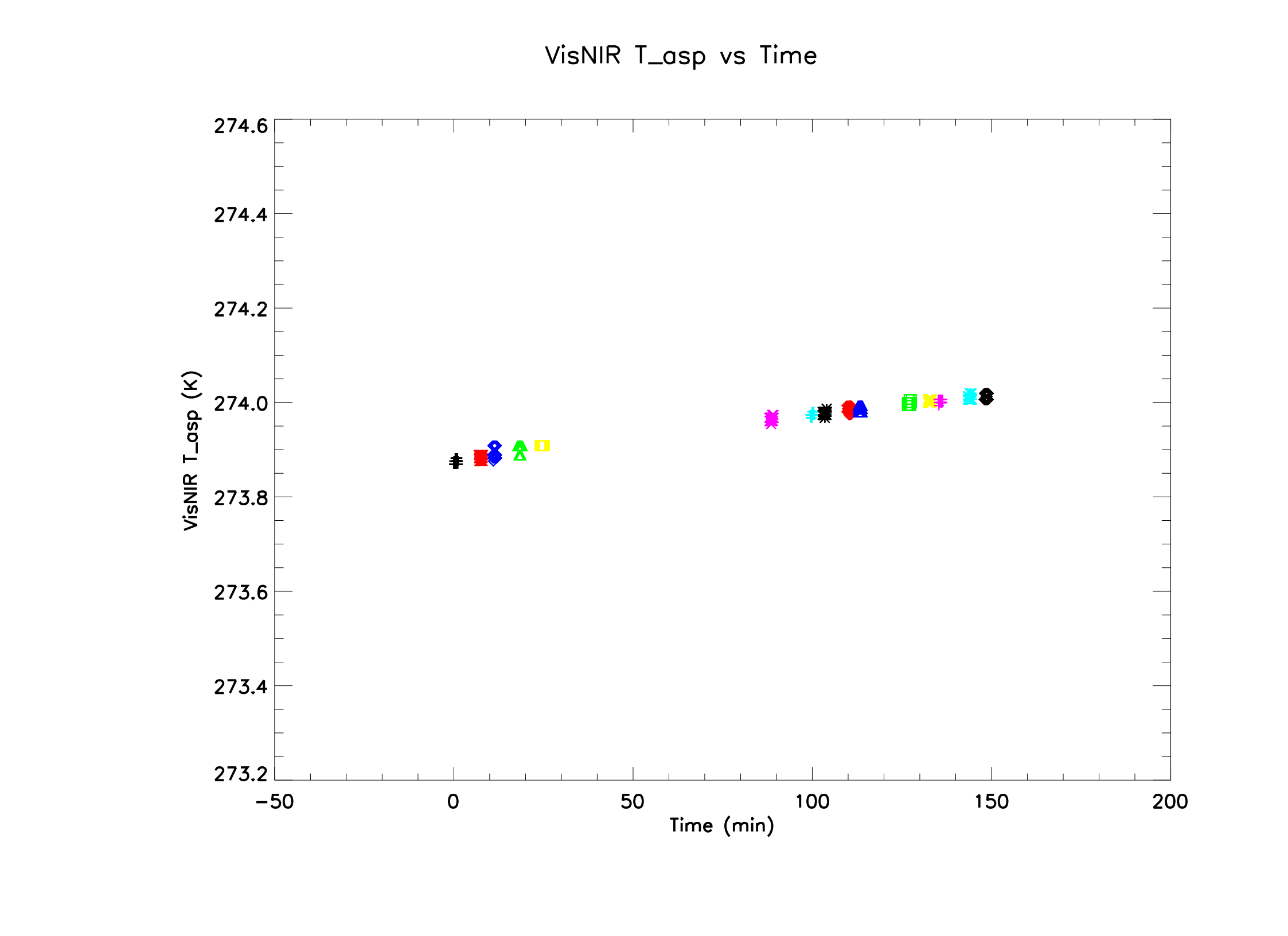

T_cpfa vs Scan: Collect=11
VisNIR
VisNIR T_fpa (K)
252.58
252.56
252.54
252.52
252.50
252.48
252.46
0
10
20
30
40
Scan
SMWIR
SMWIR T_cfpa (K)
82.02
82.00
81.98
81.96
81.94
81.92
81.90
0
10
20
30
40
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
Scan

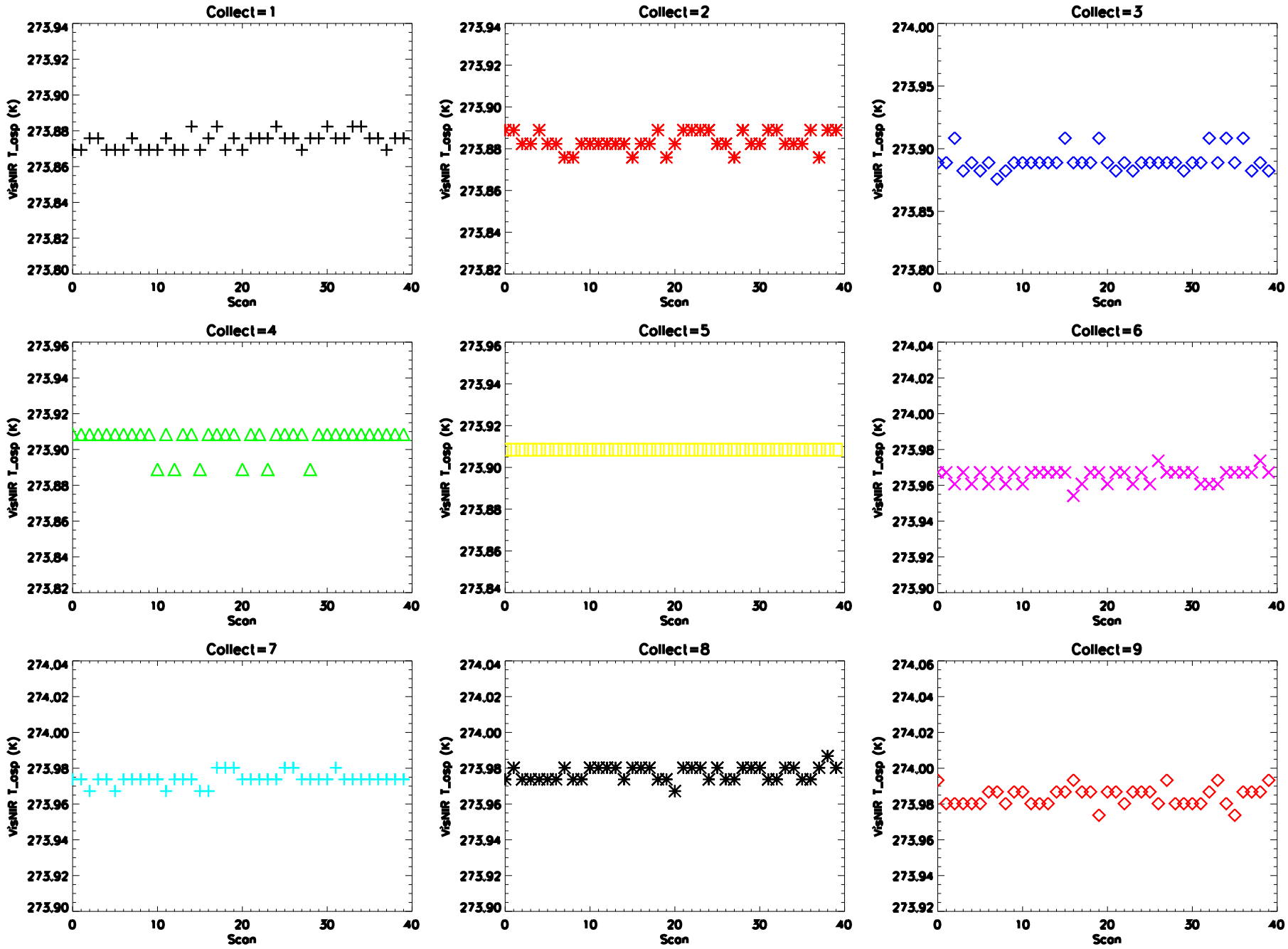

T_cpfa vs Scan: Collect=12
VisNIR
VisNIR T_fpa (K)
252.60
252.58
252.56
252.54
252.52
252.50
252.48
252.46
0
10
20
30
40
Scan
SMWIR
SMWIR T_cfpa (K)
82.02
82.00
81.98
81.96
81.94
81.92
81.90
0
10
20
30
40
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
Scan


T_cpfa vs Scan: Collect=13
VisNIR
VisNIR T_fpa (K)
252.60
252.58
252.56
252.54
252.52
252.50
252.48
252.46
0
10
20
30
40
Scan
SMWIR
SMWIR T_cfpa (K)
82.02
82.00
81.98
81.96
81.94
81.92
81.90
0
10
20
30
40
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
Scan

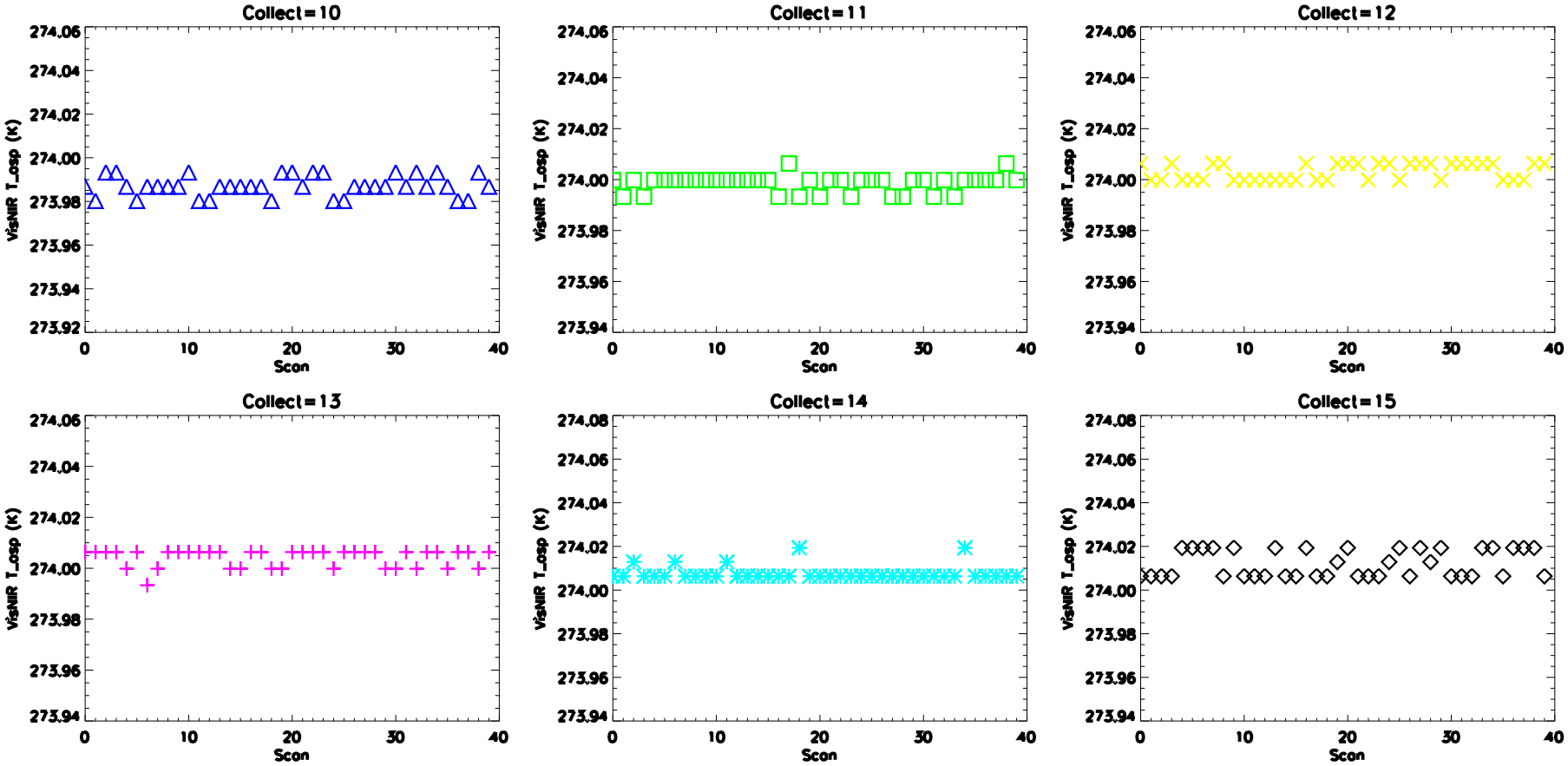

T_cpfa vs Scan: Collect=14
VisNIR
VisNIR T_fpa (K)
252.60
252.58
252.56
252.54
252.52
252.50
252.48
252.46
0
10
20
30
40
Scan
SMWIR
SMWIR T_cfpa (K)
82.02
82.00
81.98
81.96
81.94
81.92
81.90
0
10
20
30
40
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
Scan

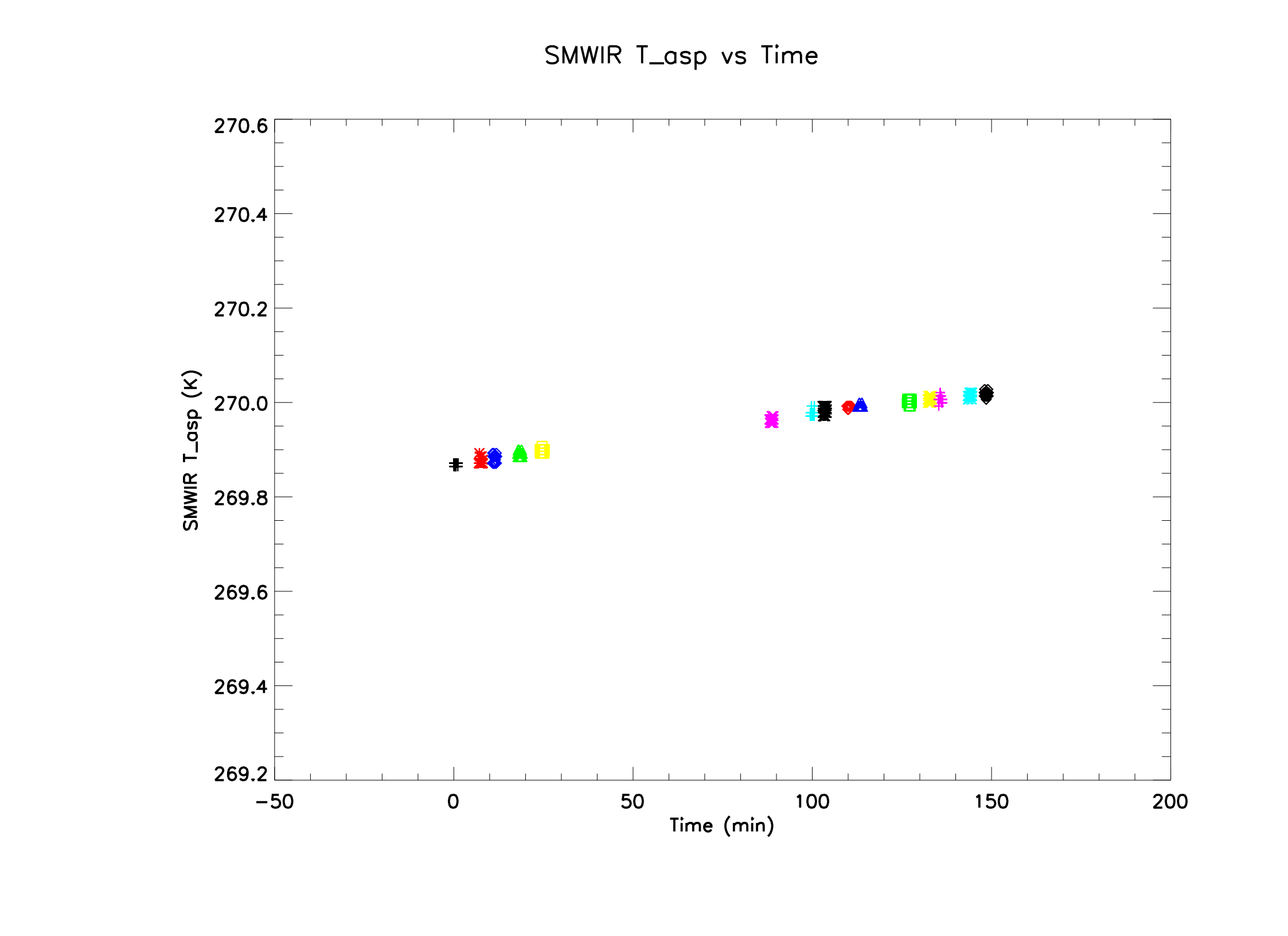

T_cpfa vs Scan: Collect=15
VisNIR
VisNIR T_fpa (K)
252.60
252.58
252.56
252.54
252.52
252.50
252.48
252.46
0
10
20
30
40
Scan
SMWIR
SMWIR T_cfpa (K)
82.02
82.00
81.98
81.96
81.94
81.92
81.90
0
10
20
30
40
Scan
LWIR
LWIR T_cfpa (K)
82.10
82.08
82.06
82.04
82.02
82.00
81.98
0
10
20
30
40
Scan

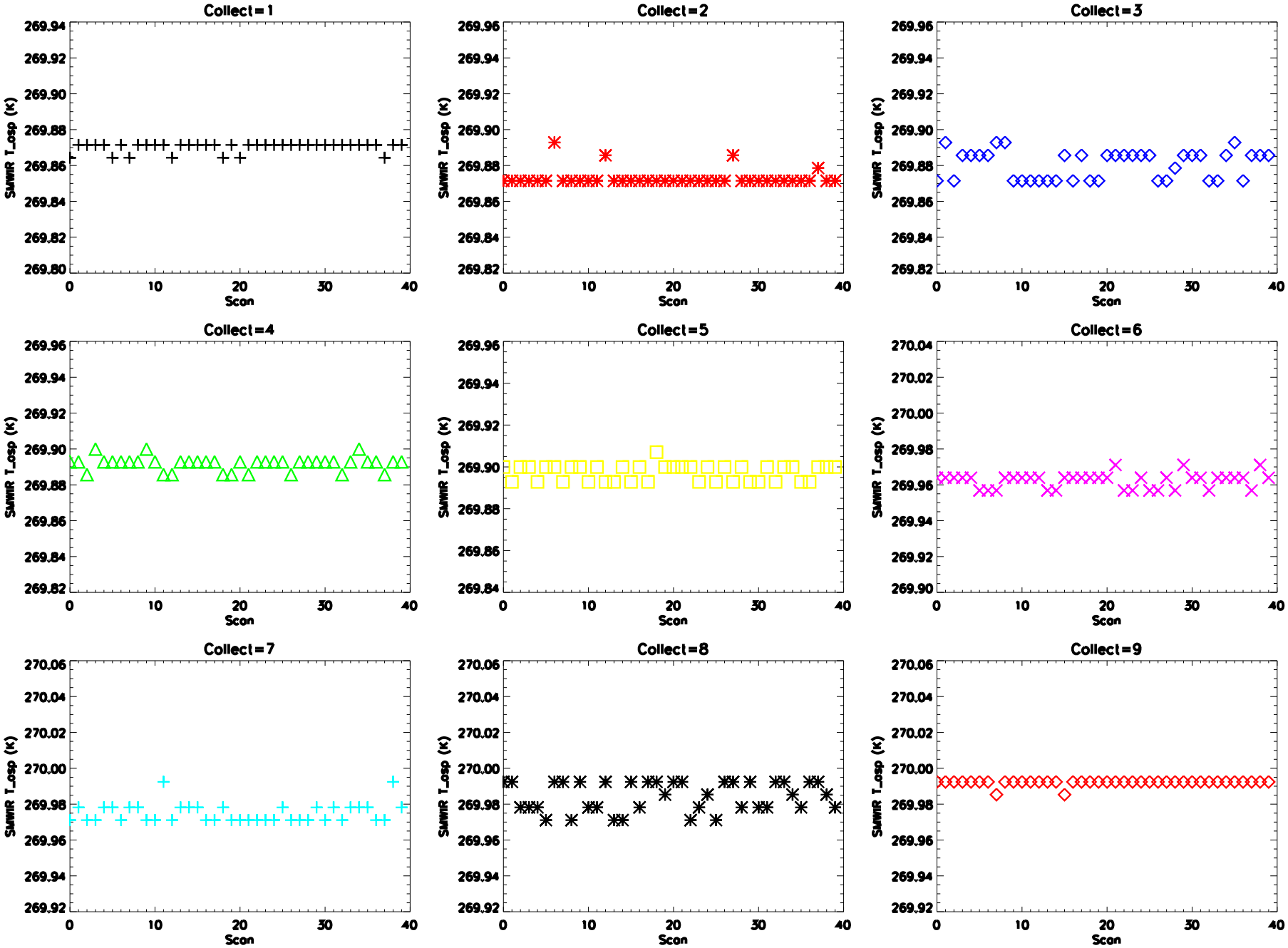

VisNIR T_asp vs Time
VisNIR T_asp (K)
274.6
274.4
274.2
274.0
273.8
273.6
273.4
273.2
−50
0
50
100
150
200
Time (min)


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

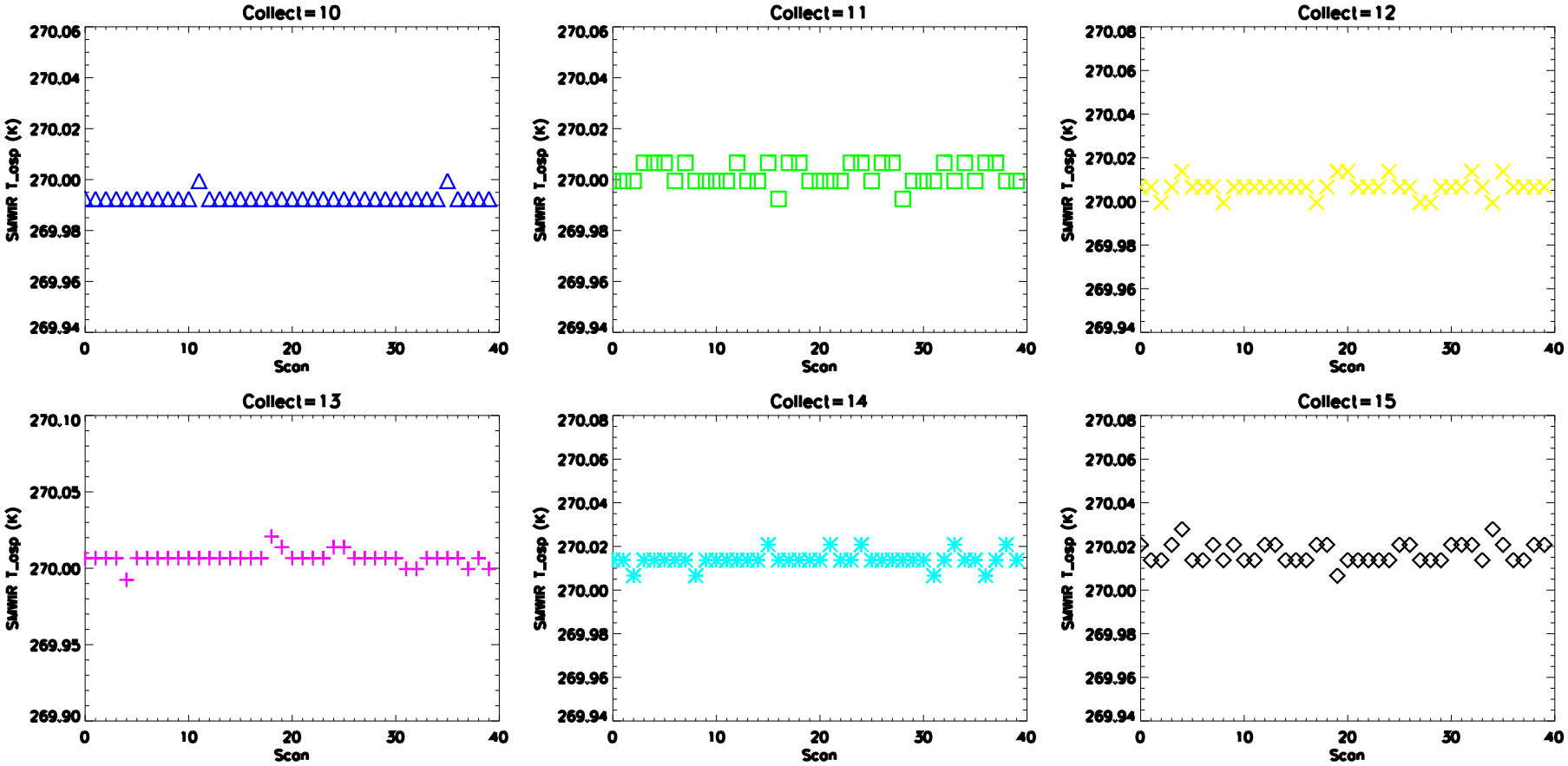
VisNIR T_asp vs Scan

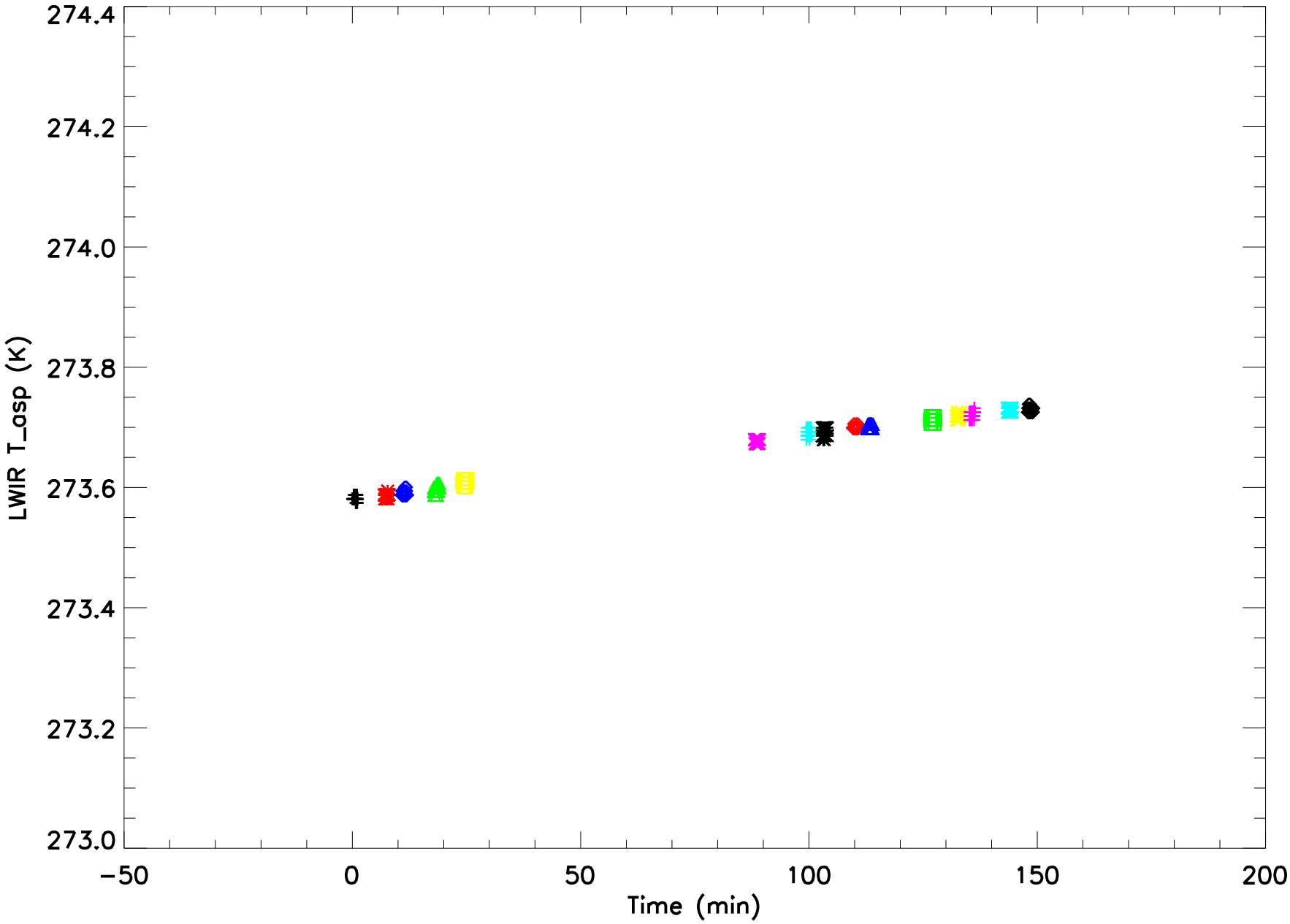


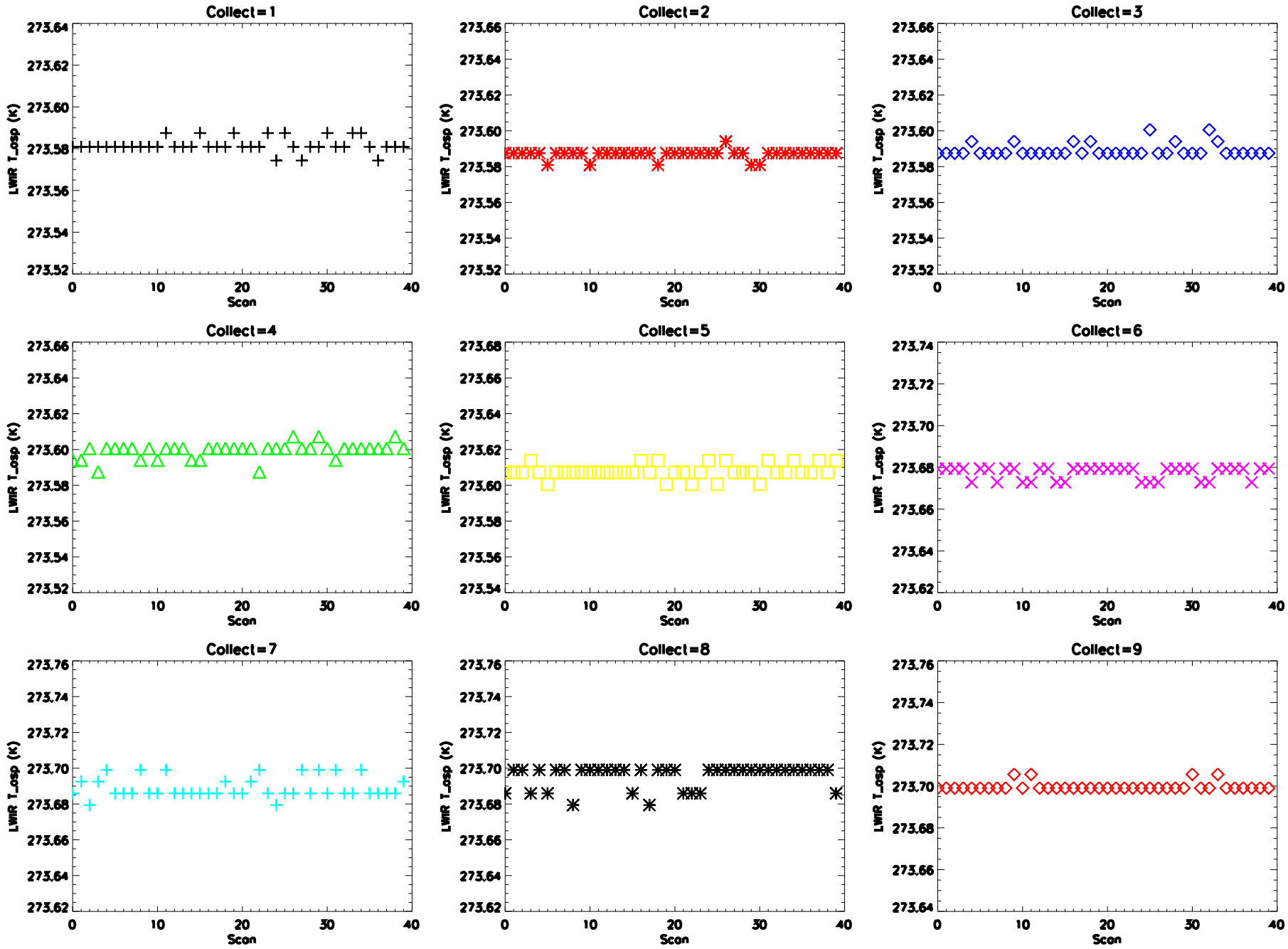

SMWIR T_asp vs Time
SMWIR T_asp (K)
270.6
270.4
270.2
270.0
269.8
269.6
269.4
269.2
−50
0
50
100
150
200
Time (min)


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

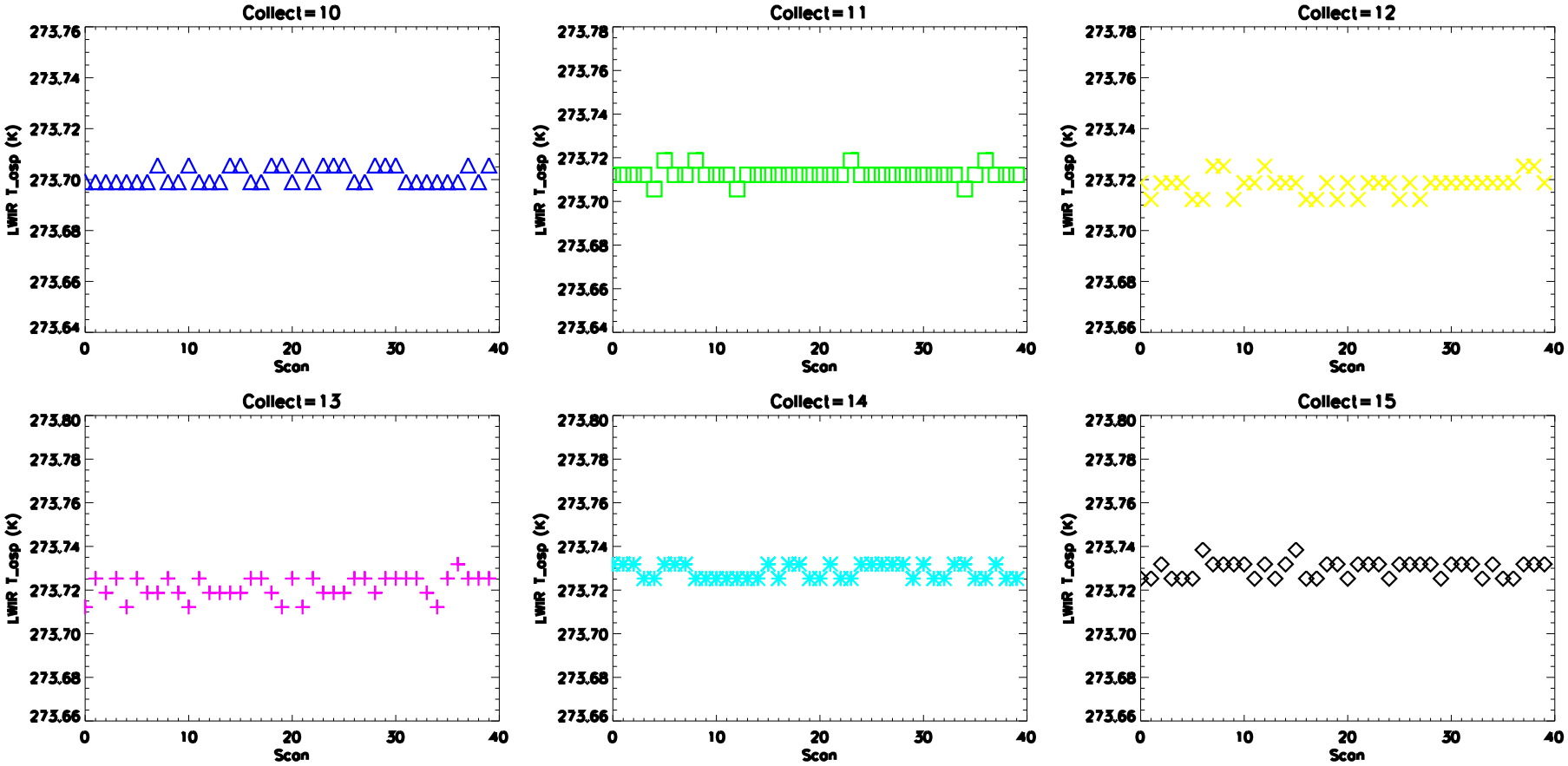
SMWIR T_asp vs Scan

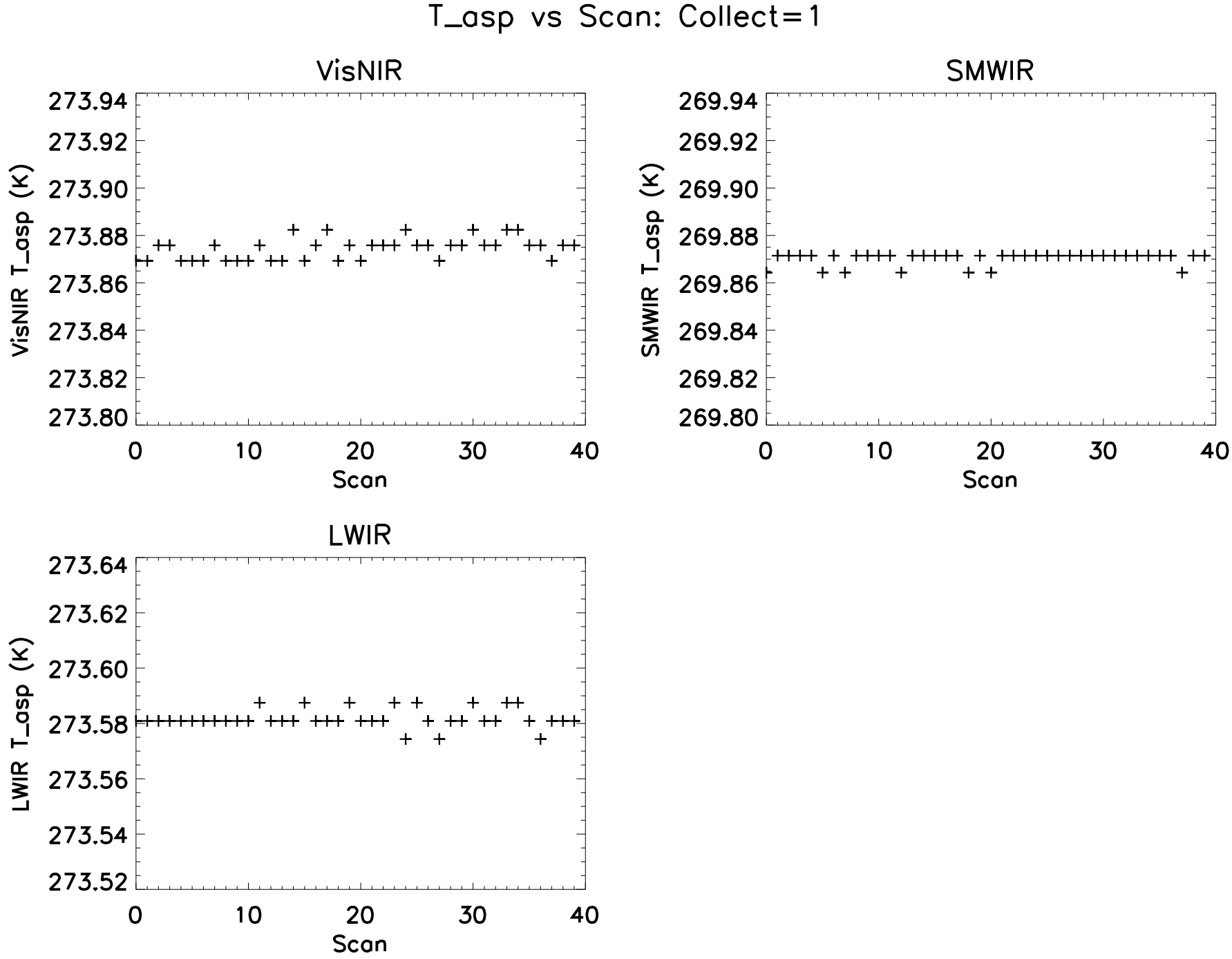


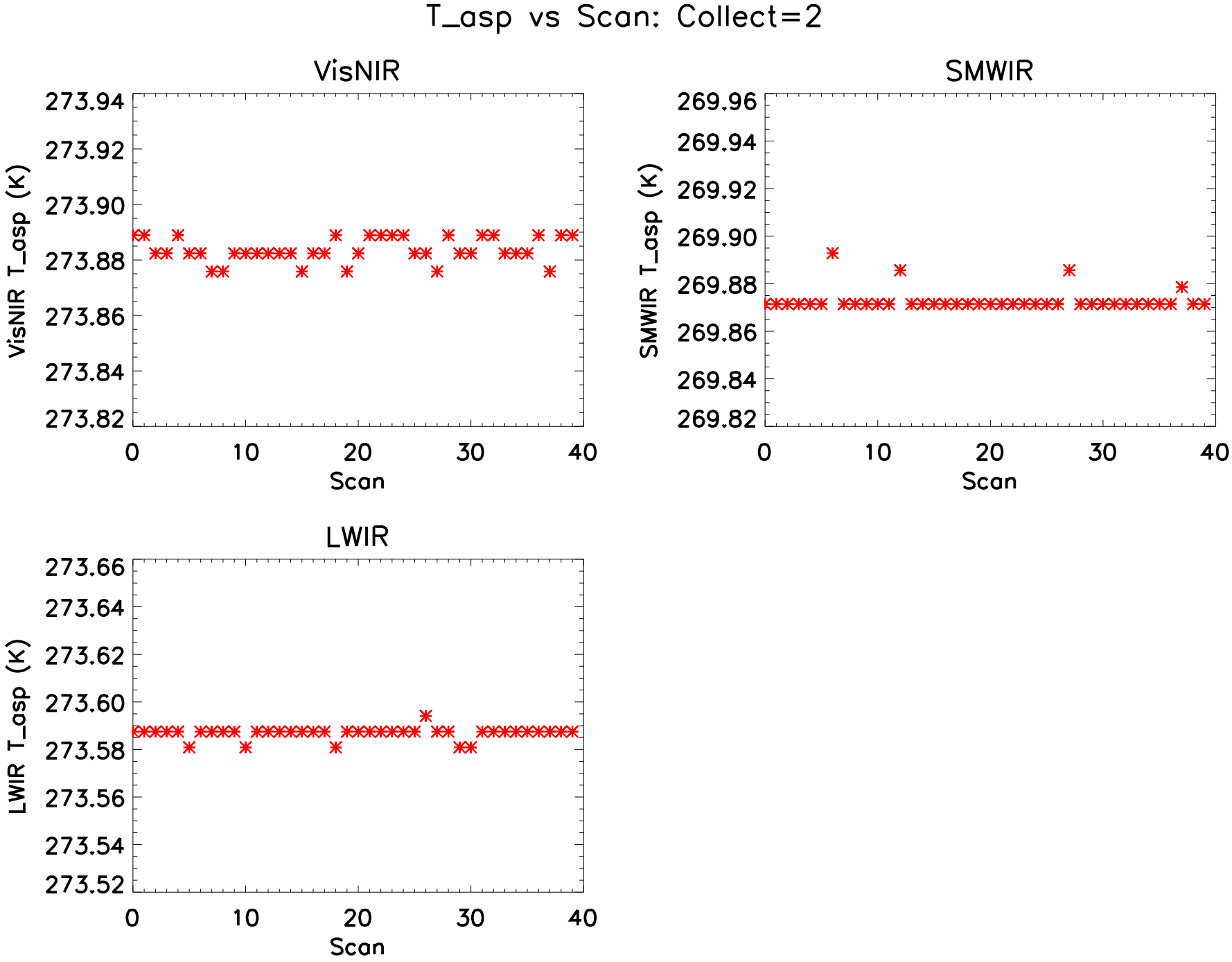

LWIR T_asp vs Time
LWIR T_asp (K)
274.4
274.2
274.0
273.8
273.6
273.4
273.2
273.0
−50
0
50
100
150
200
Time (min)

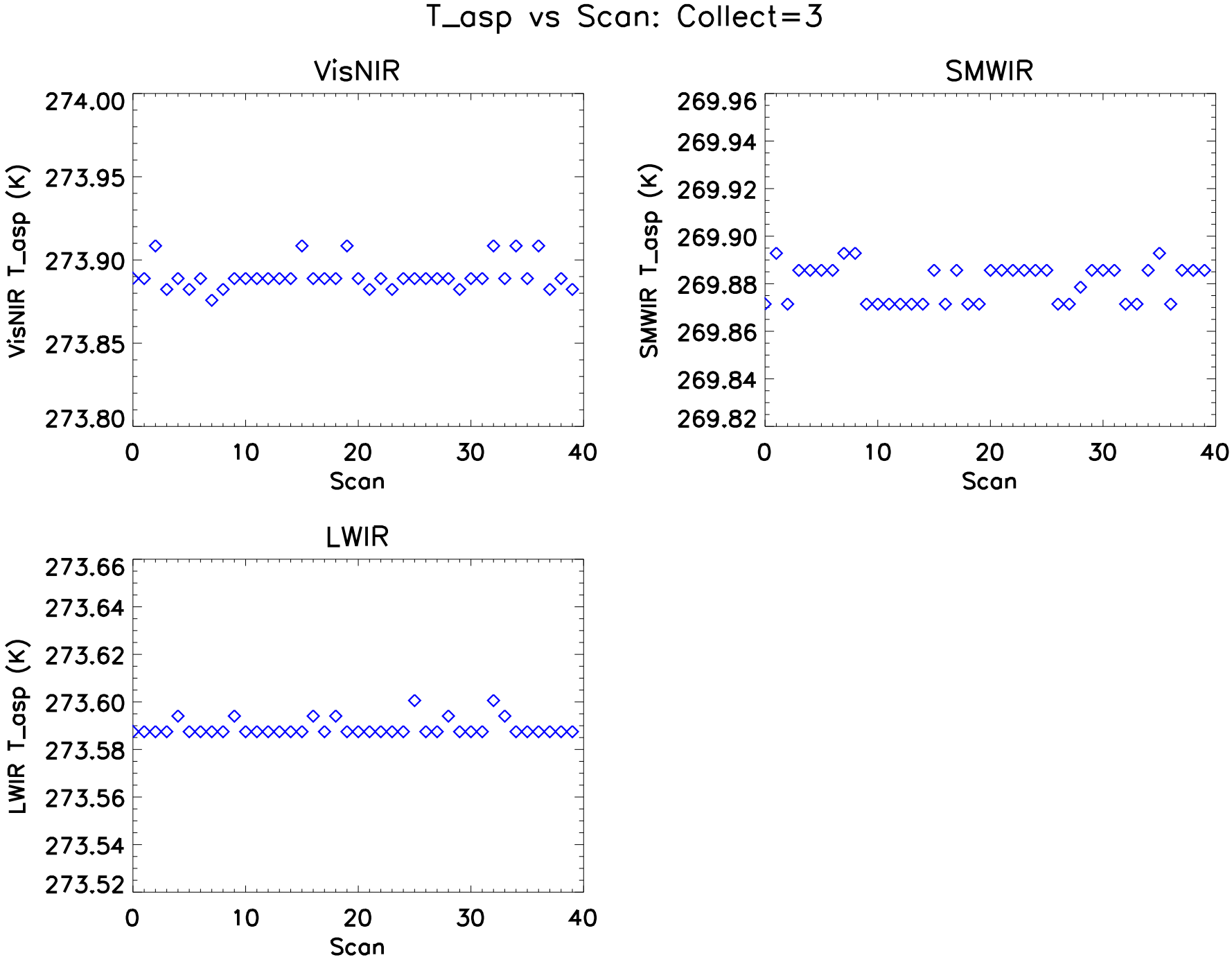

Collect=1
Collect=2
Collect=3
Collect=4
Collect=5
Collect=6
Collect=7
Collect=8
Collect=9
LWIR T_osp (K)
Scan

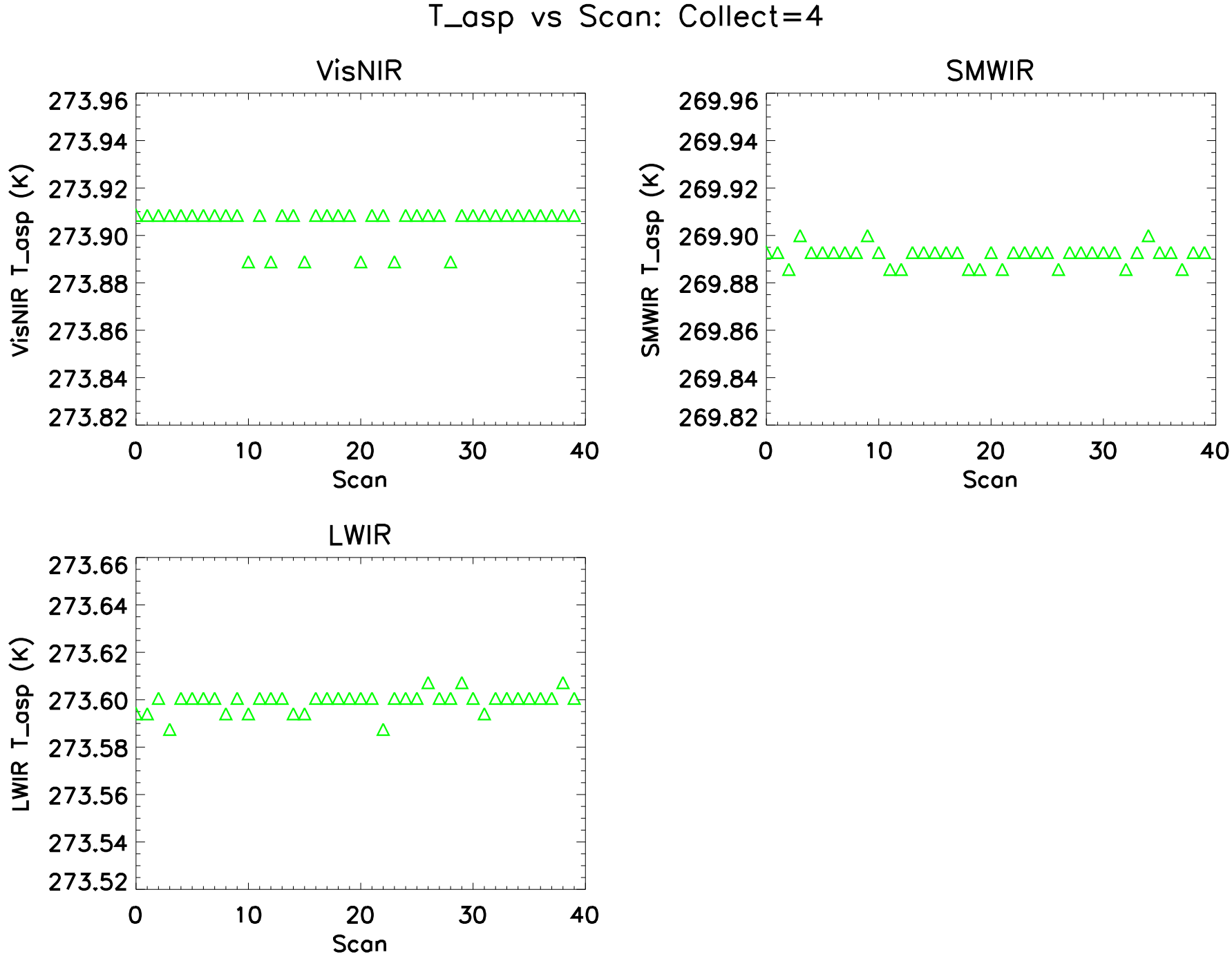
LWIR T_asp vs Scan

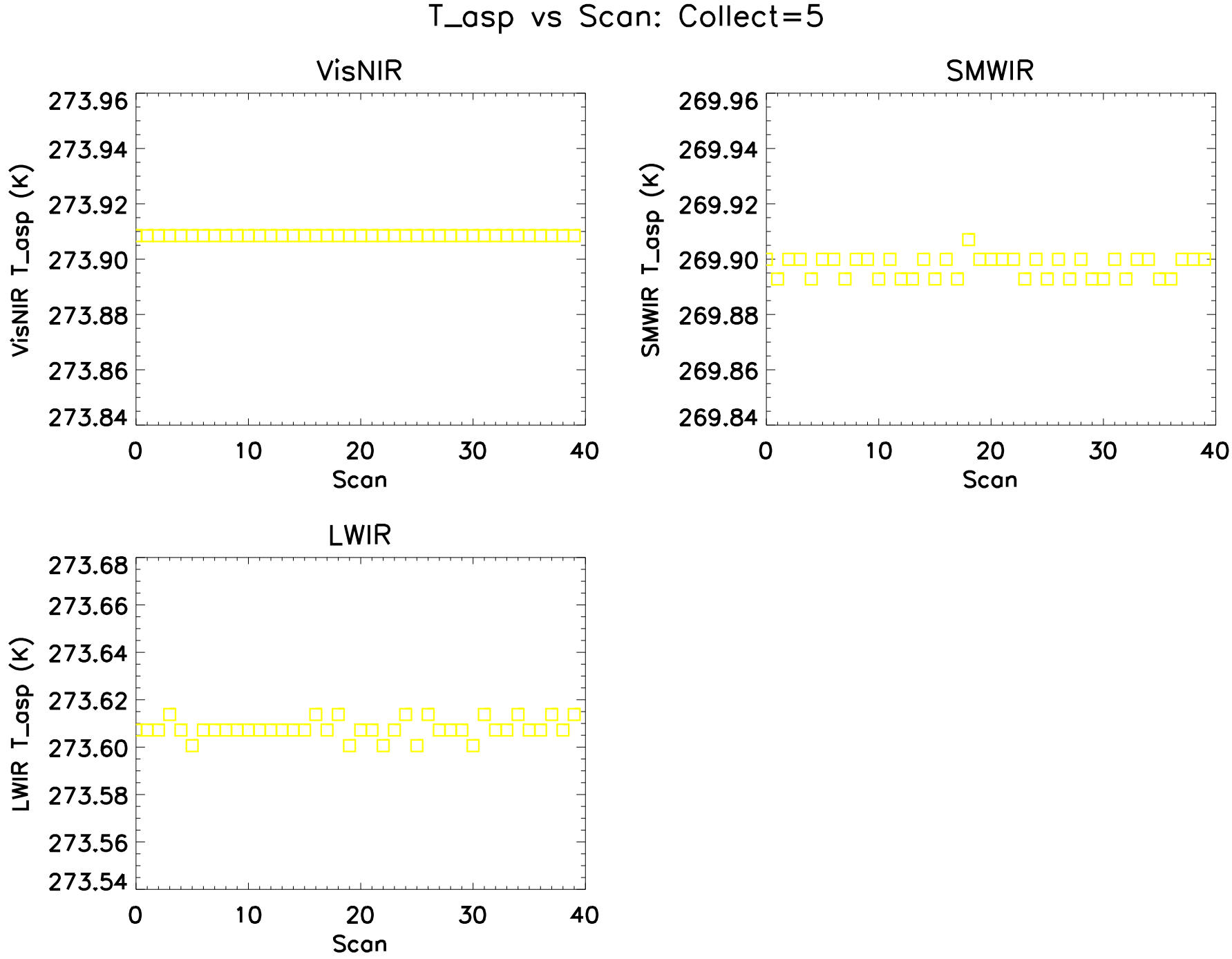


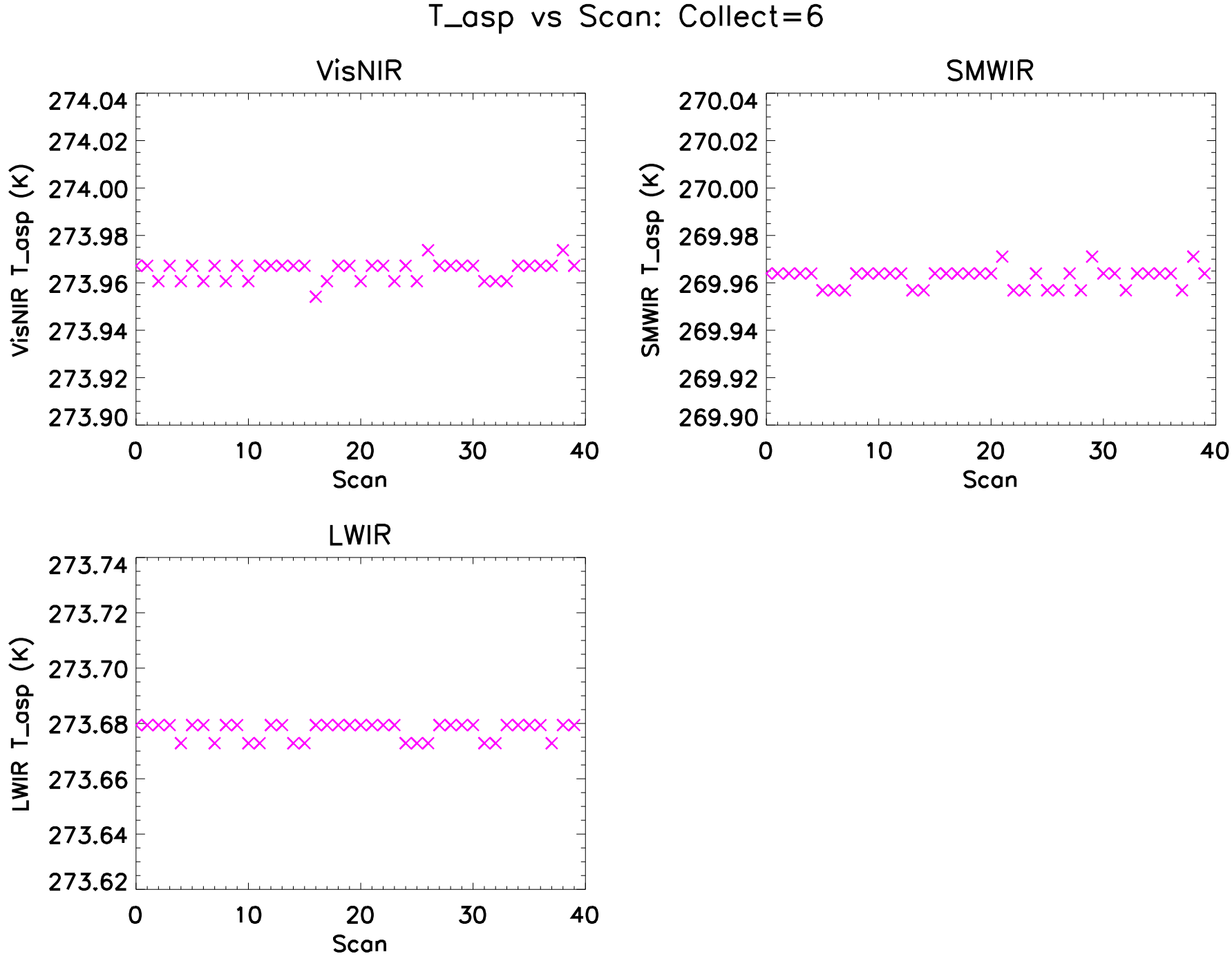

T_asp vs Scan: Collect=1
VisNIR
VisNIR T_asp (K)
273.94
273.92
273.90
273.88
273.86
273.84
273.82
273.80
0
10
20
30
40
Scan
SMWIR
SMWIR T_asp (K)
269.94
269.92
269.90
269.88
269.86
269.84
269.82
269.80
0
10
20
30
40
Scan
LWIR
LWIR T_asp (K)
273.64
273.62
273.60
273.58
273.56
273.54
273.52
0
10
20
30
40
Scan

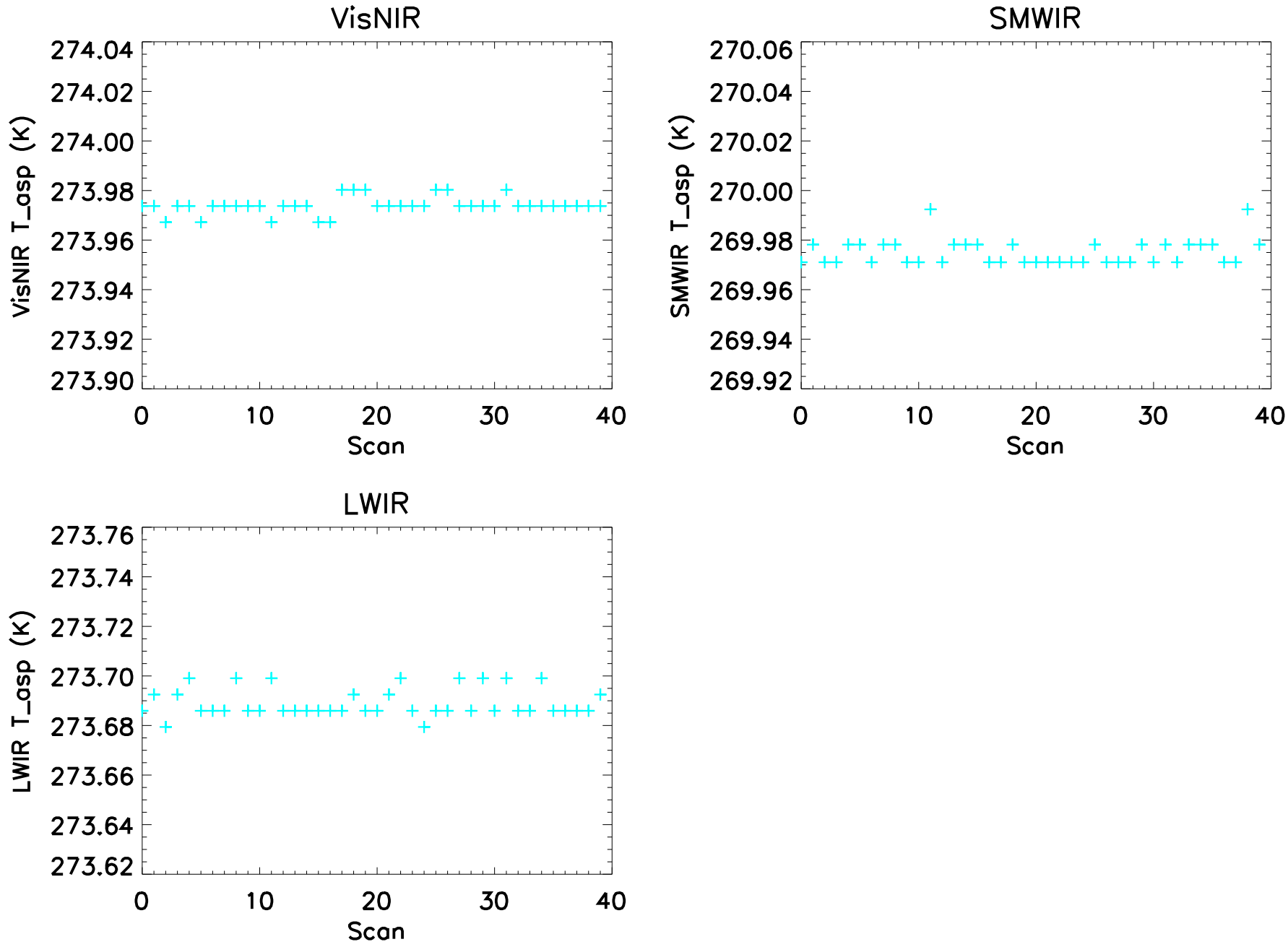

T_asp vs Scan: Collect=2
VisNIR
VisNIR T_asp (K)
273.94
273.92
273.90
273.88
273.86
273.84
273.82
0
10
20
30
40
Scan
SMWIR
SMWIR T_asp (K)
269.96
269.94
269.92
269.90
269.88
269.86
269.84
269.82
0
10
20
30
40
Scan
LWIR
LWIR T_asp (K)
273.66
273.64
273.62
273.60
273.58
273.56
273.54
273.52
0
10
20
30
40
Scan

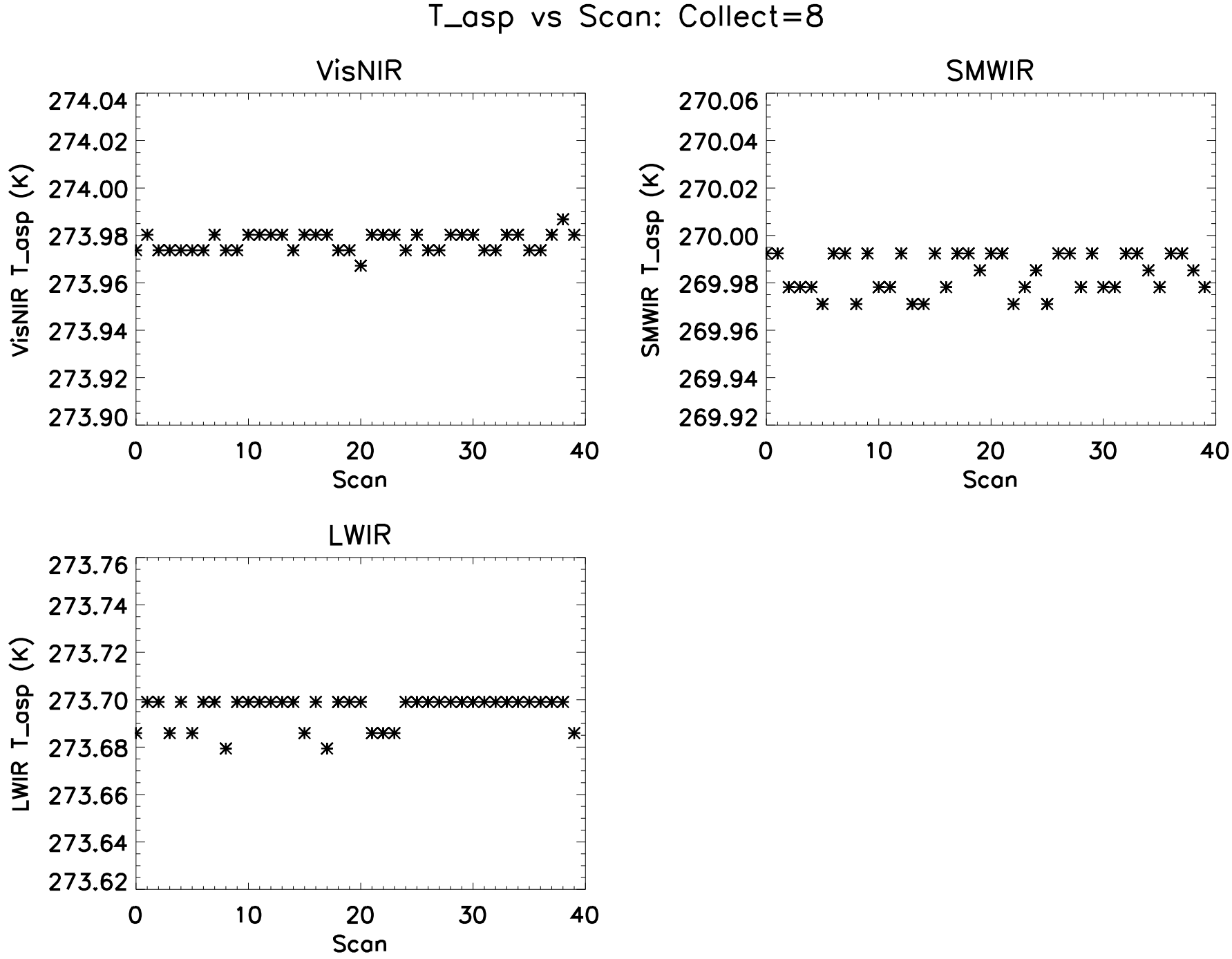

T_asp vs Scan: Collect=3
VisNIR
VisNIR T_asp (K)
274.00
273.95
273.90
273.85
273.80
0
10
20
30
40
Scan
SMWIR
SMWIR T_asp (K)
269.96
269.94
269.92
269.90
269.88
269.86
269.84
269.82
0
10
20
30
40
Scan
LWIR
LWIR T_asp (K)
273.66
273.64
273.62
273.60
273.58
273.56
273.54
273.52
0
10
20
30
40
Scan

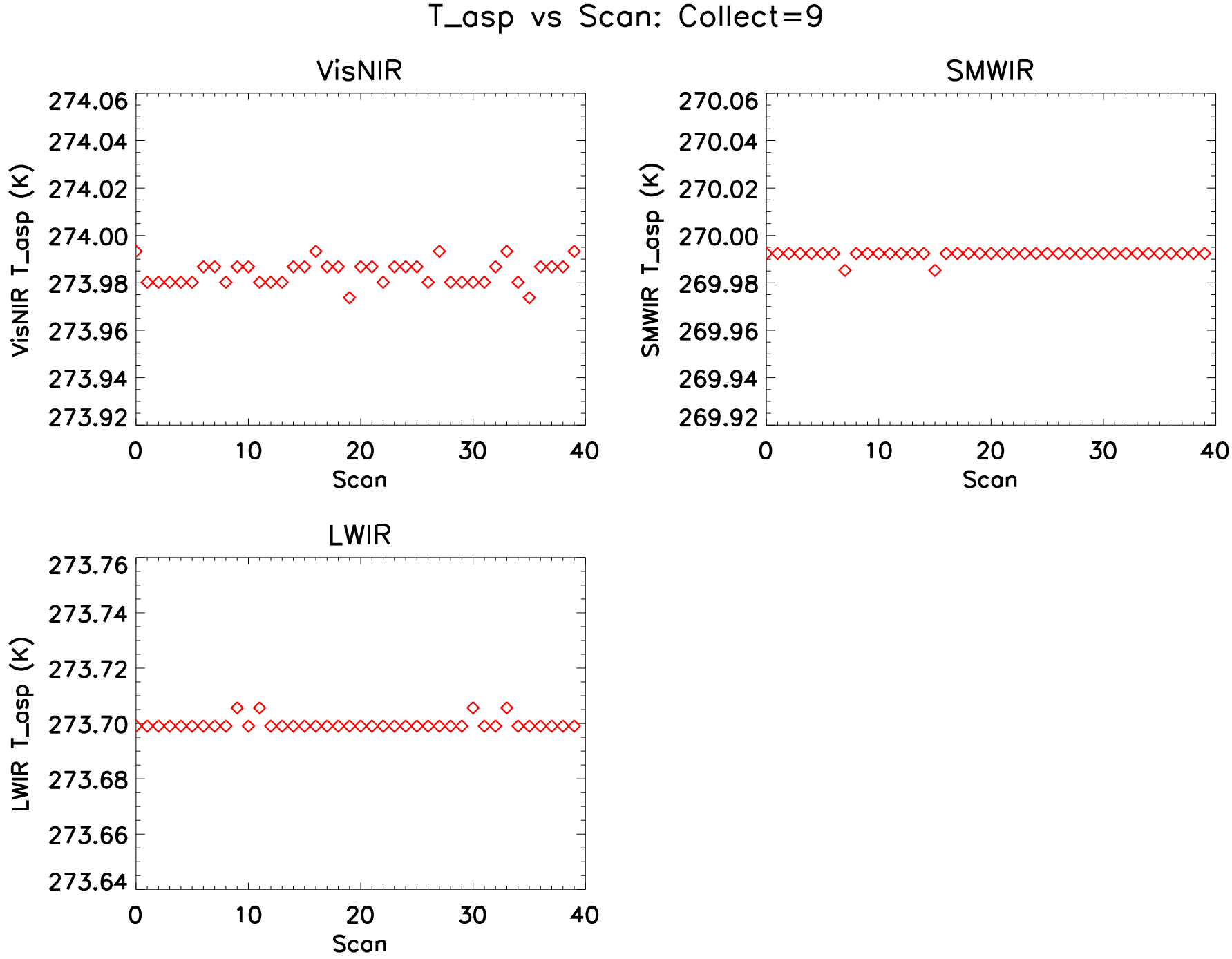

T_asp vs Scan: Collect=4
VisNIR
VisNIR T_asp (K)
273.96
273.94
273.92
273.90
273.88
273.86
273.84
273.82
0
10
20
30
40
Scan
SMWIR
SMWIR T_asp (K)
269.96
269.94
269.92
269.90
269.88
269.86
269.84
269.82
0
10
20
30
40
Scan
LWIR
LWIR T_asp (K)
273.66
273.64
273.62
273.60
273.58
273.56
273.54
273.52
0
10
20
30
40
Scan

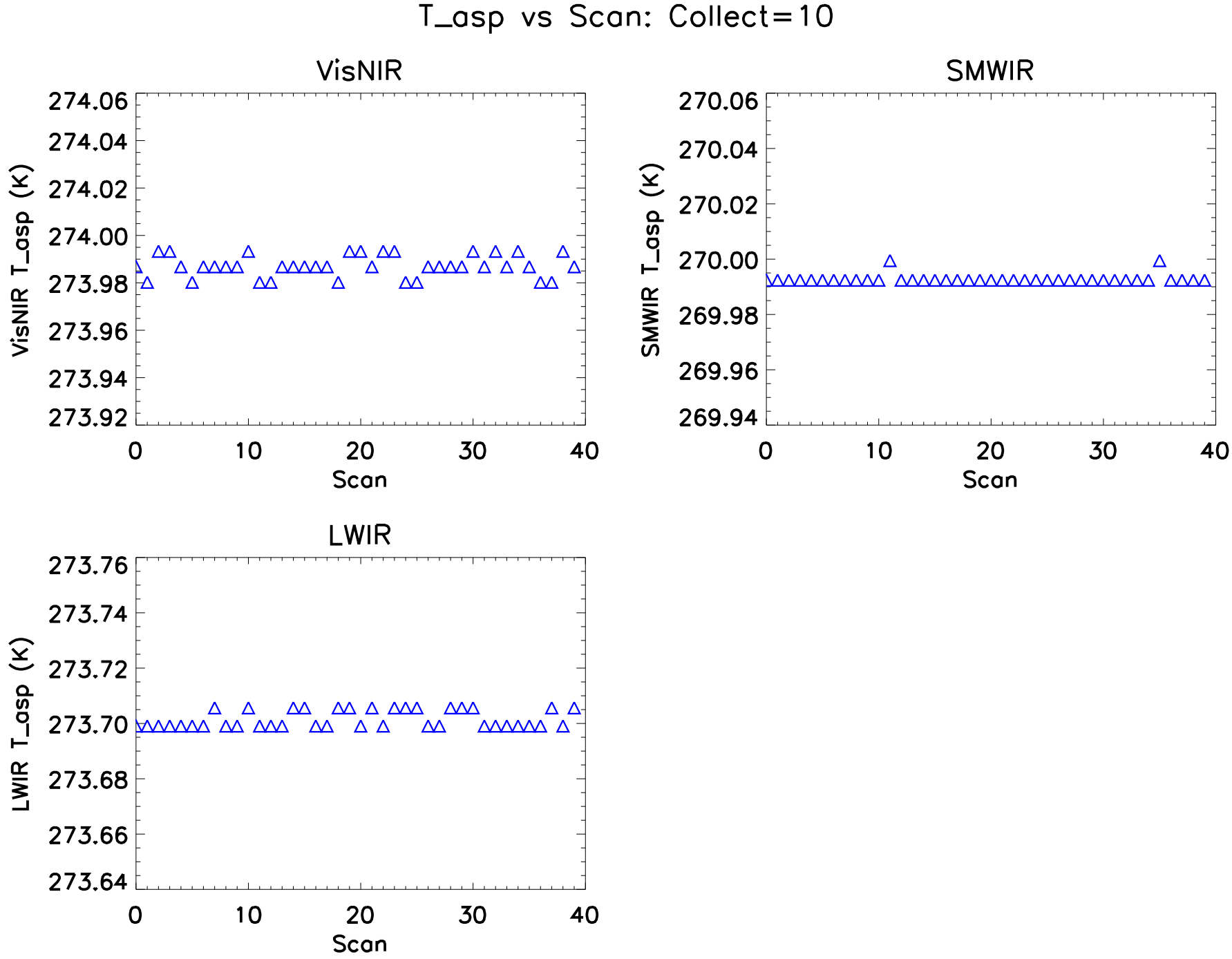

T_asp vs Scan: Collect=5
VisNIR
VisNIR T_asp (K)
273.96
273.94
273.92
273.90
273.88
273.86
273.84
0
10
20
30
40
Scan
SMWIR
SMWIR T_asp (K)
269.96
269.94
269.92
269.90
269.88
269.86
269.84
0
10
20
30
40
Scan
LWIR
LWIR T_asp (K)
273.68
273.66
273.64
273.62
273.60
273.58
273.56
273.54
0
10
20
30
40
Scan

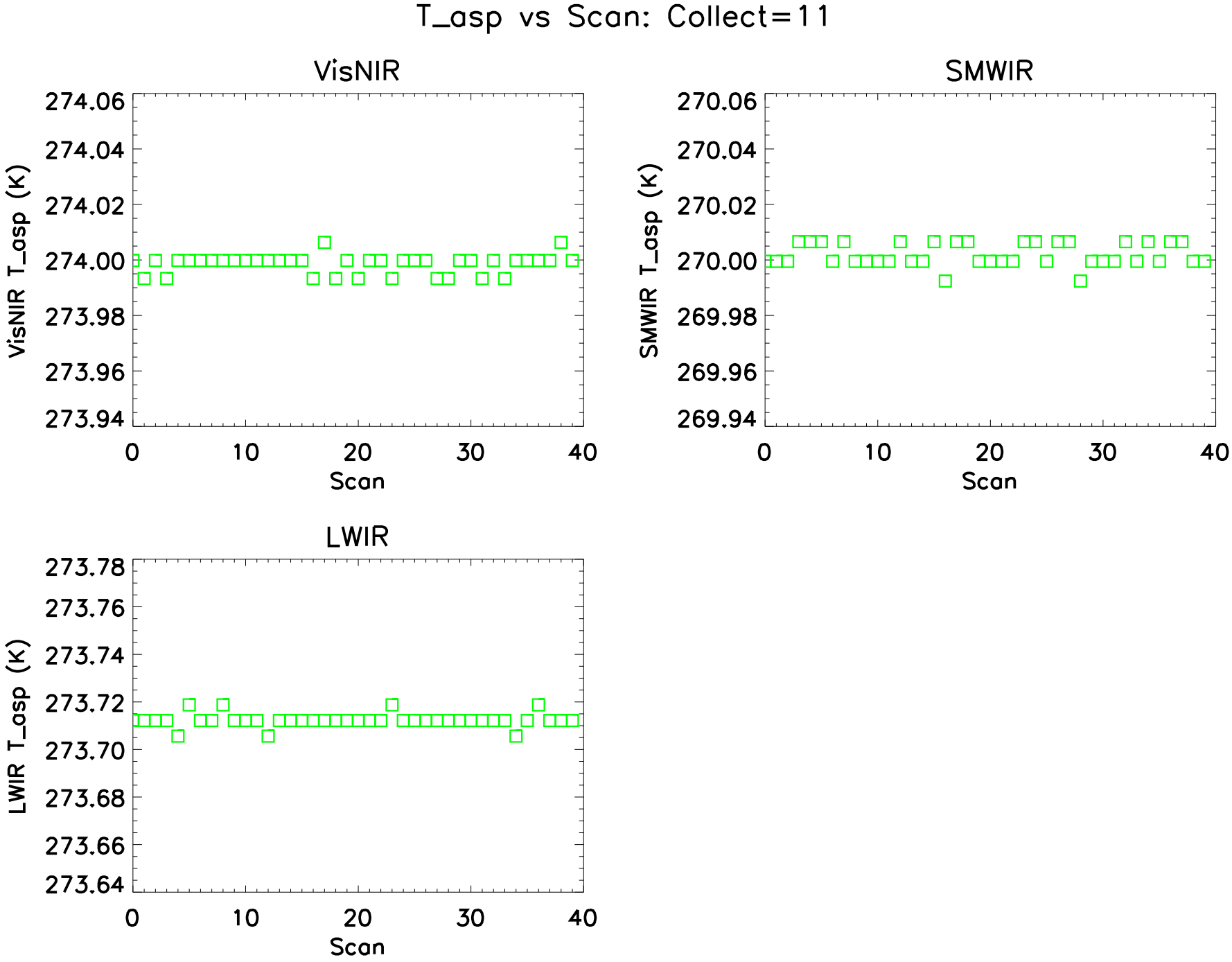

T_asp vs Scan: Collect=6
VisNIR
VisNIR T_asp (K)
274.04
274.02
274.00
273.98
273.96
273.94
273.92
273.90
0
10
20
30
40
Scan
SMWIR
SMWIR T_asp (K)
270.04
270.02
270.00
269.98
269.96
269.94
269.92
269.90
0
10
20
30
40
Scan
LWIR
LWIR T_asp (K)
273.74
273.72
273.70
273.68
273.66
273.64
273.62
0
10
20
30
40
Scan

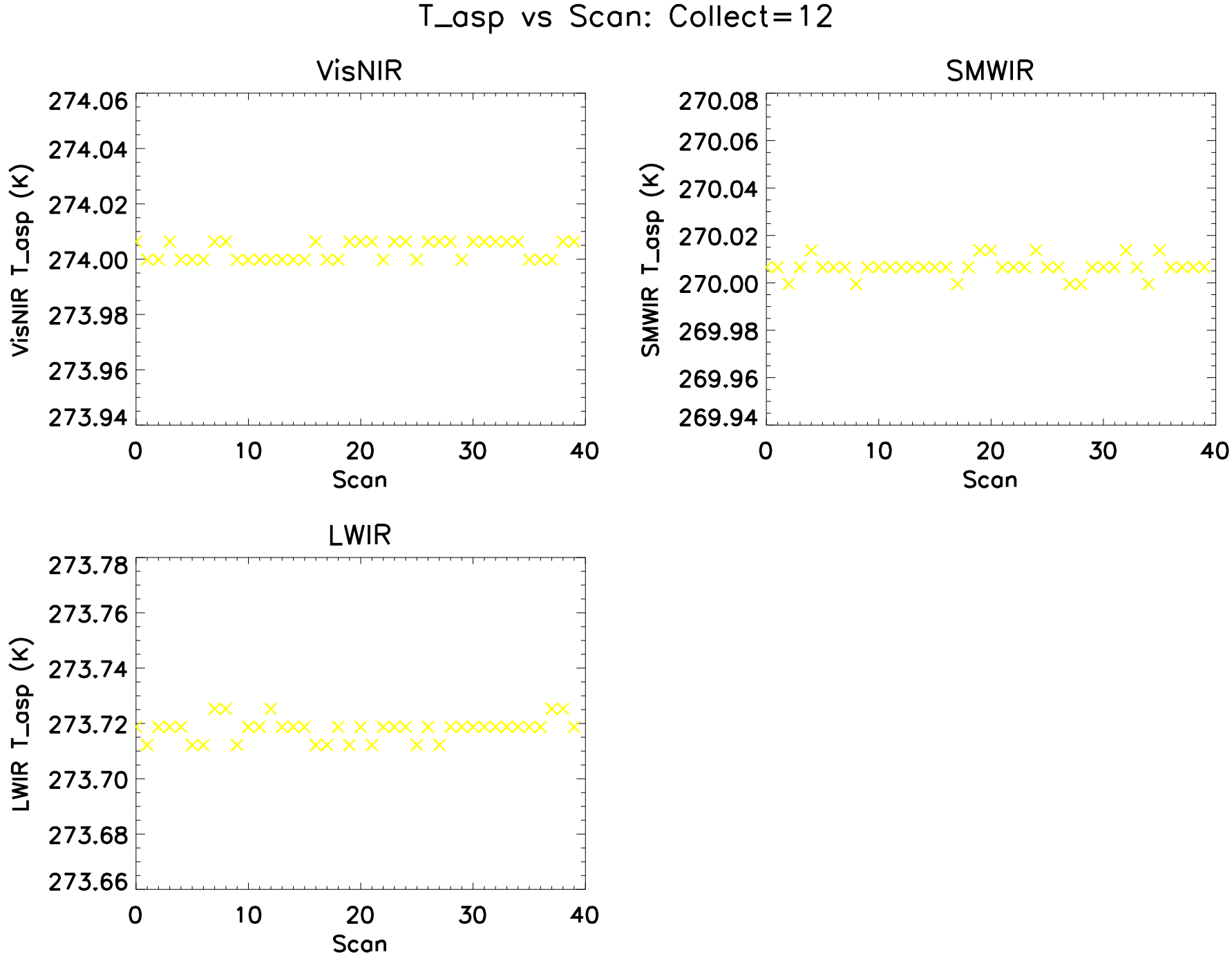

T_asp vs Scan: Collect=7
VisNIR
VisNIR T_asp (K)
274.04
274.02
274.00
273.98
273.96
273.94
273.92
273.90
0
10
20
30
40
Scan
SMWIR
SMWIR T_asp (K)
270.06
270.04
270.02
270.00
269.98
269.96
269.94
269.92
0
10
20
30
40
Scan
LWIR
LWIR T_asp (K)
273.76
273.74
273.72
273.70
273.68
273.66
273.64
273.62
0
10
20
30
40
Scan

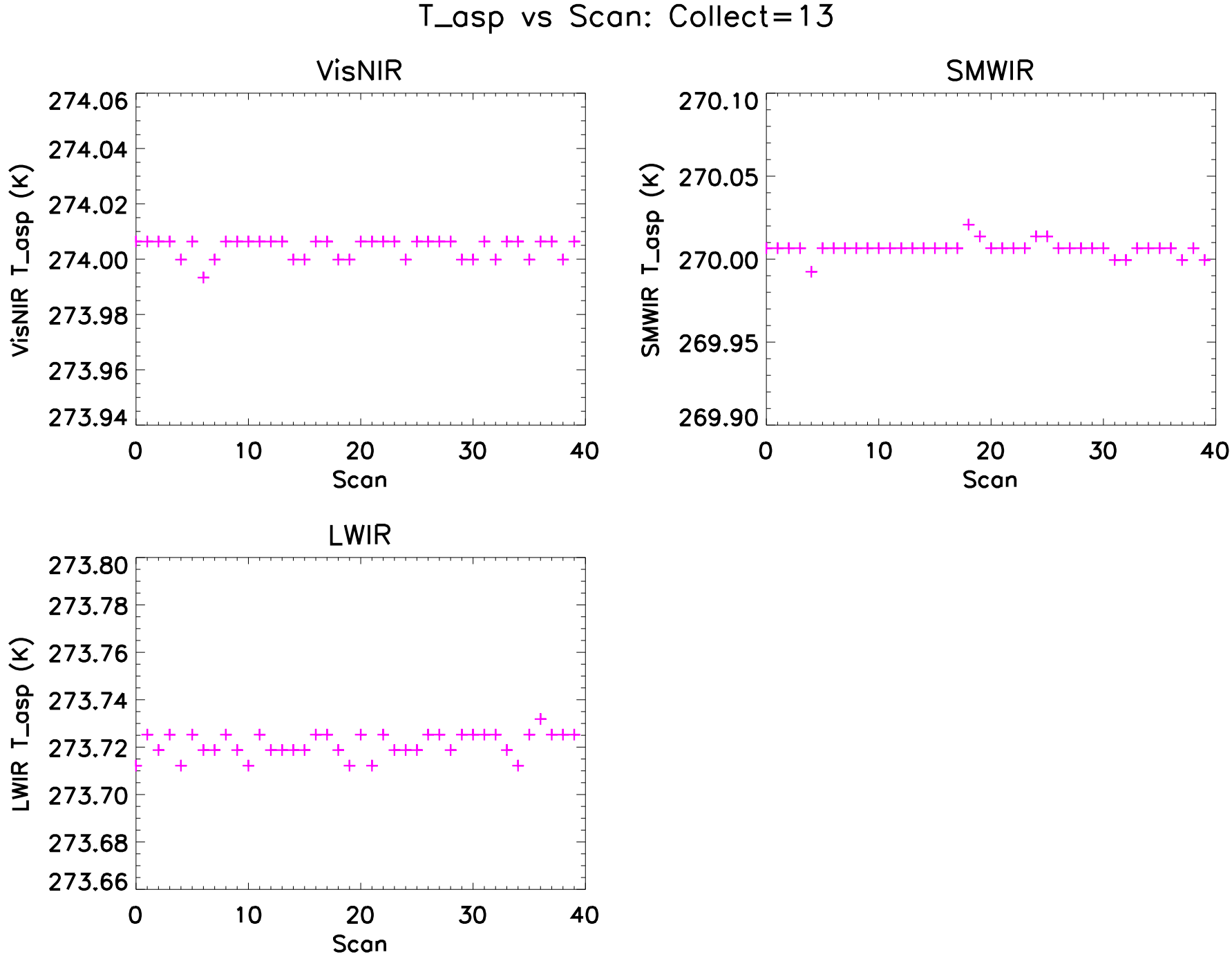

T_asp vs Scan: Collect=8
VisNIR
VisNIR T_asp (K)
274.04
274.02
274.00
273.98
273.96
273.94
273.92
273.90
0
10
20
30
40
Scan
SMWIR
SMWIR T_asp (K)
270.06
270.04
270.02
270.00
269.98
269.96
269.94
269.92
0
10
20
30
40
Scan
LWIR
LWIR T_asp (K)
273.76
273.74
273.72
273.70
273.68
273.66
273.64
273.62
0
10
20
30
40
Scan

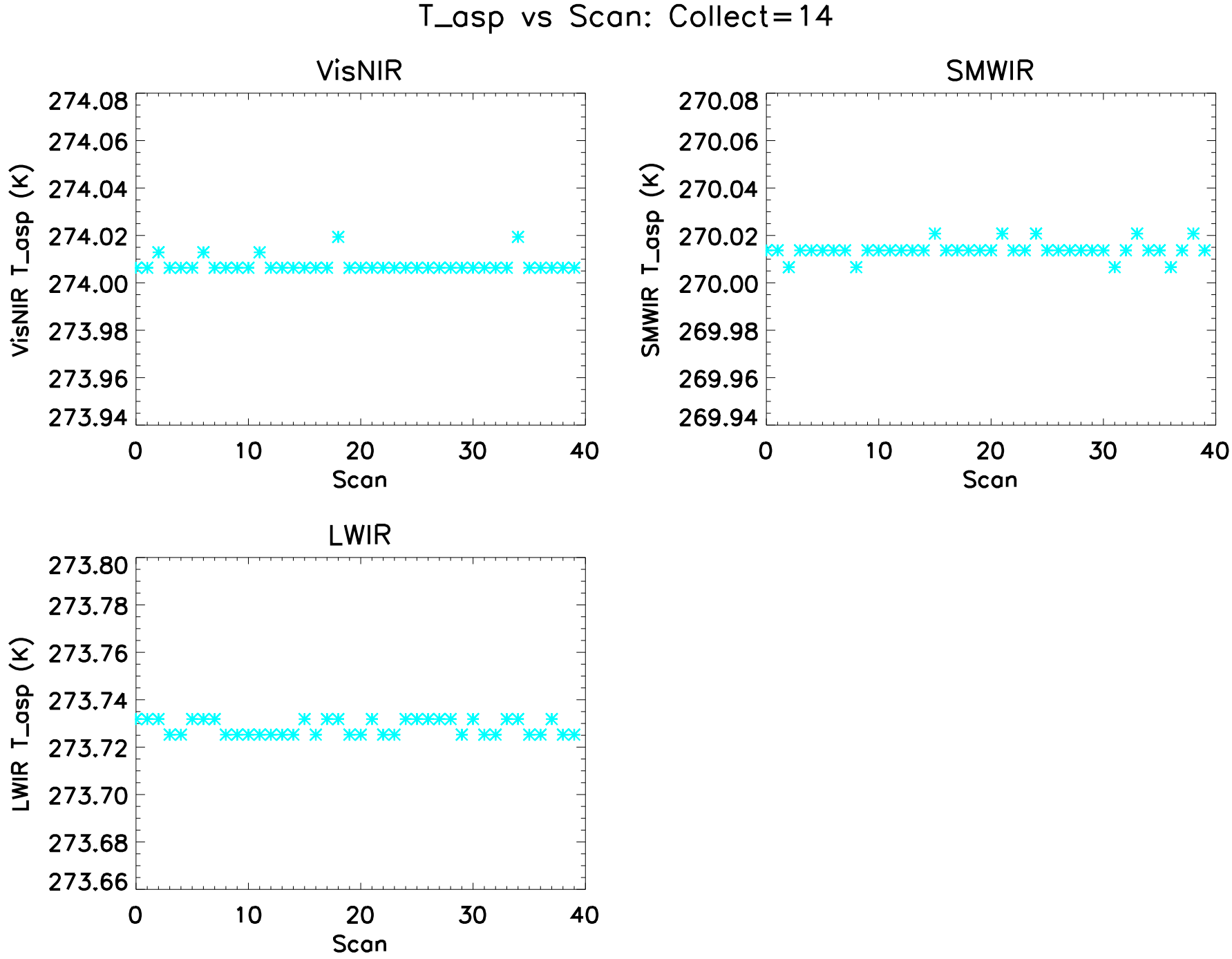

T_asp vs Scan: Collect=9
VisNIR
VisNIR T_asp (K)
274.06
274.04
274.02
274.00
273.98
273.96
273.94
273.92
0
10
20
30
40
Scan
SMWIR
SMWIR T_asp (K)
270.06
270.04
270.02
270.00
269.98
269.96
269.94
269.92
0
10
20
30
40
Scan
LWIR
LWIR T_asp (K)
273.76
273.74
273.72
273.70
273.68
273.66
273.64
0
10
20
30
40
Scan

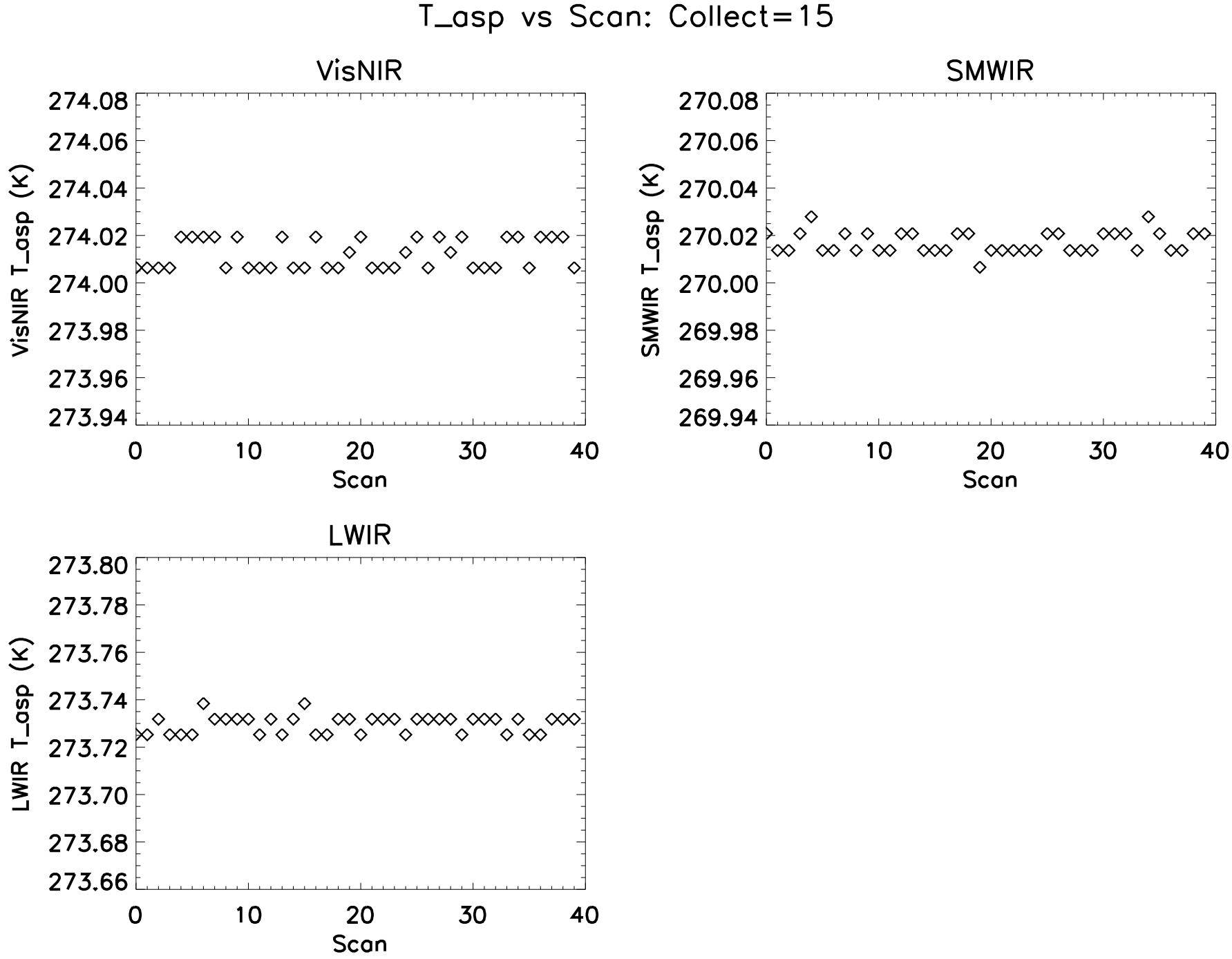

T_asp vs Scan: Collect=10
VisNIR
VisNIR T_asp (K)
274.06
274.04
274.02
274.00
273.98
273.96
273.94
273.92
0
10
20
30
40
Scan
SMWIR
SMWIR T_asp (K)
270.06
270.04
270.02
270.00
269.98
269.96
269.94
0
10
20
30
40
Scan
LWIR
LWIR T_asp (K)
273.76
273.74
273.72
273.70
273.68
273.66
273.64
0
10
20
30
40
Scan

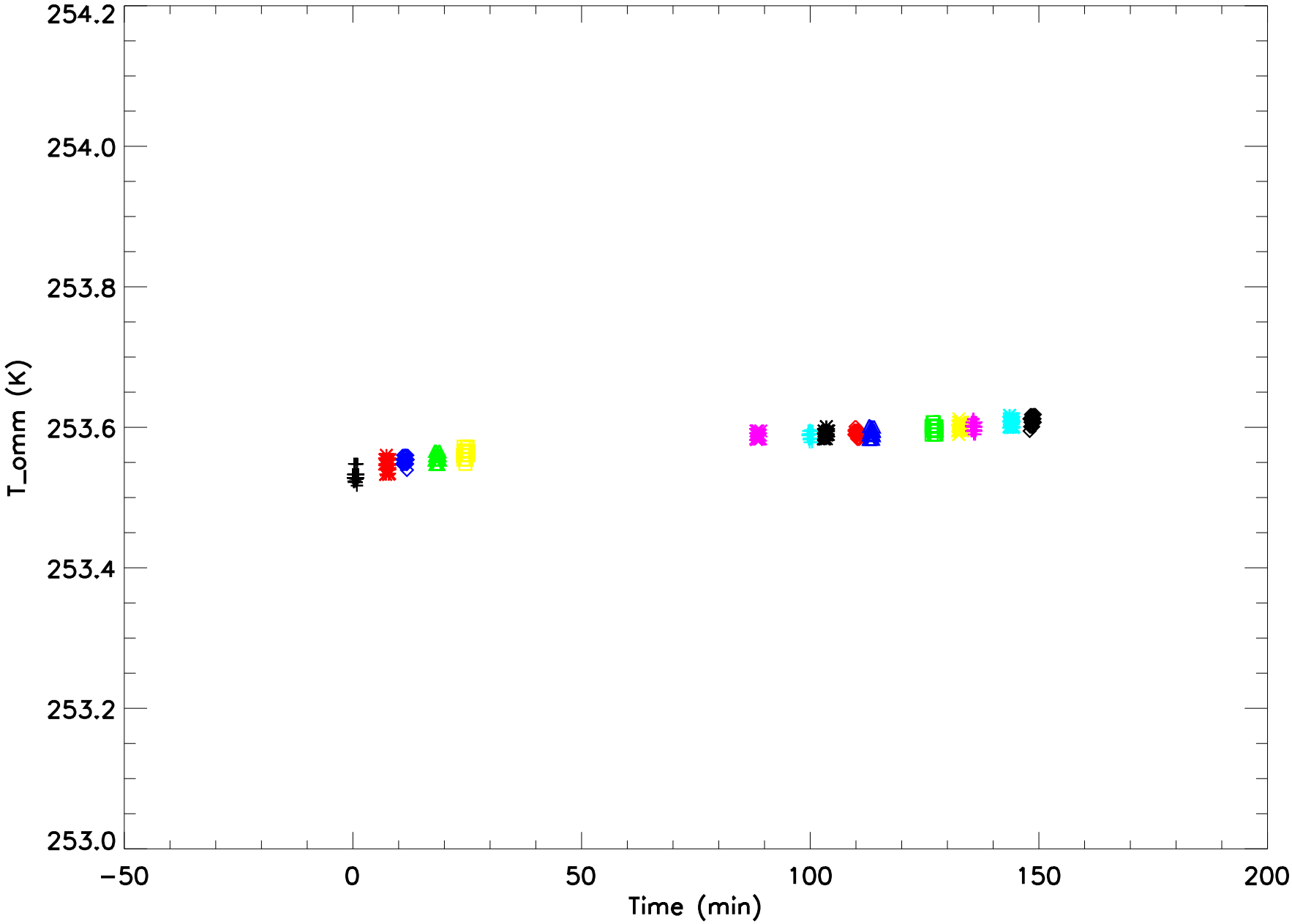

T_asp vs Scan: Collect=11
VisNIR
VisNIR T_asp (K)
274.06
274.04
274.02
274.00
273.98
273.96
273.94
0
10
20
30
40
Scan
SMWIR
SMWIR T_asp (K)
270.06
270.04
270.02
270.00
269.98
269.96
269.94
0
10
20
30
40
Scan
LWIR
LWIR T_asp (K)
273.78
273.76
273.74
273.72
273.70
273.68
273.66
273.64
0
10
20
30
40
Scan


T_asp vs Scan: Collect=12
VisNIR
VisNIR T_asp (K)
274.06
274.04
274.02
274.00
273.98
273.96
273.94
0
10
20
30
40
Scan
SMWIR
SMWIR T_asp (K)
270.08
270.06
270.04
270.02
270.00
269.98
269.96
269.94
0
10
20
30
40
Scan
LWIR
LWIR T_asp (K)
273.78
273.76
273.74
273.72
273.70
273.68
273.66
0
10
20
30
40
Scan

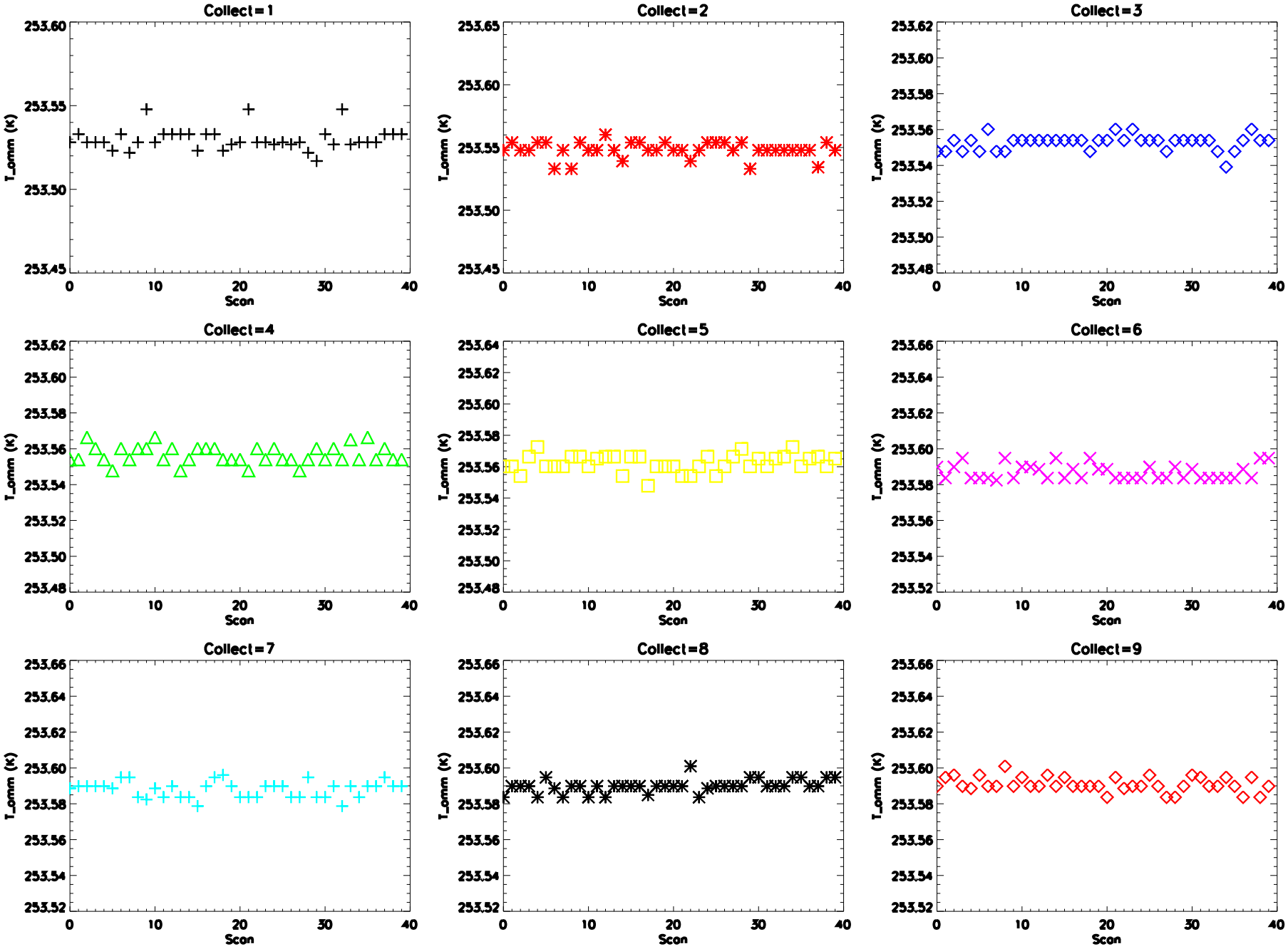

T_asp vs Scan: Collect=13
VisNIR
VisNIR T_asp (K)
274.06
274.04
274.02
274.00
273.98
273.96
273.94
0
10
20
30
40
Scan
SMWIR
SMWIR T_asp (K)
270.10
270.05
270.00
269.95
269.90
0
10
20
30
40
Scan
LWIR
LWIR T_asp (K)
273.80
273.78
273.76
273.74
273.72
273.70
273.68
273.66
0
10
20
30
40
Scan


T_asp vs Scan: Collect=14
VisNIR
VisNIR T_asp (K)
274.08
274.06
274.04
274.02
274.00
273.98
273.96
273.94
0
10
20
30
40
Scan
SMWIR
SMWIR T_asp (K)
270.08
270.06
270.04
270.02
270.00
269.98
269.96
269.94
0
10
20
30
40
Scan
LWIR
LWIR T_asp (K)
273.80
273.78
273.76
273.74
273.72
273.70
273.68
273.66
0
10
20
30
40
Scan

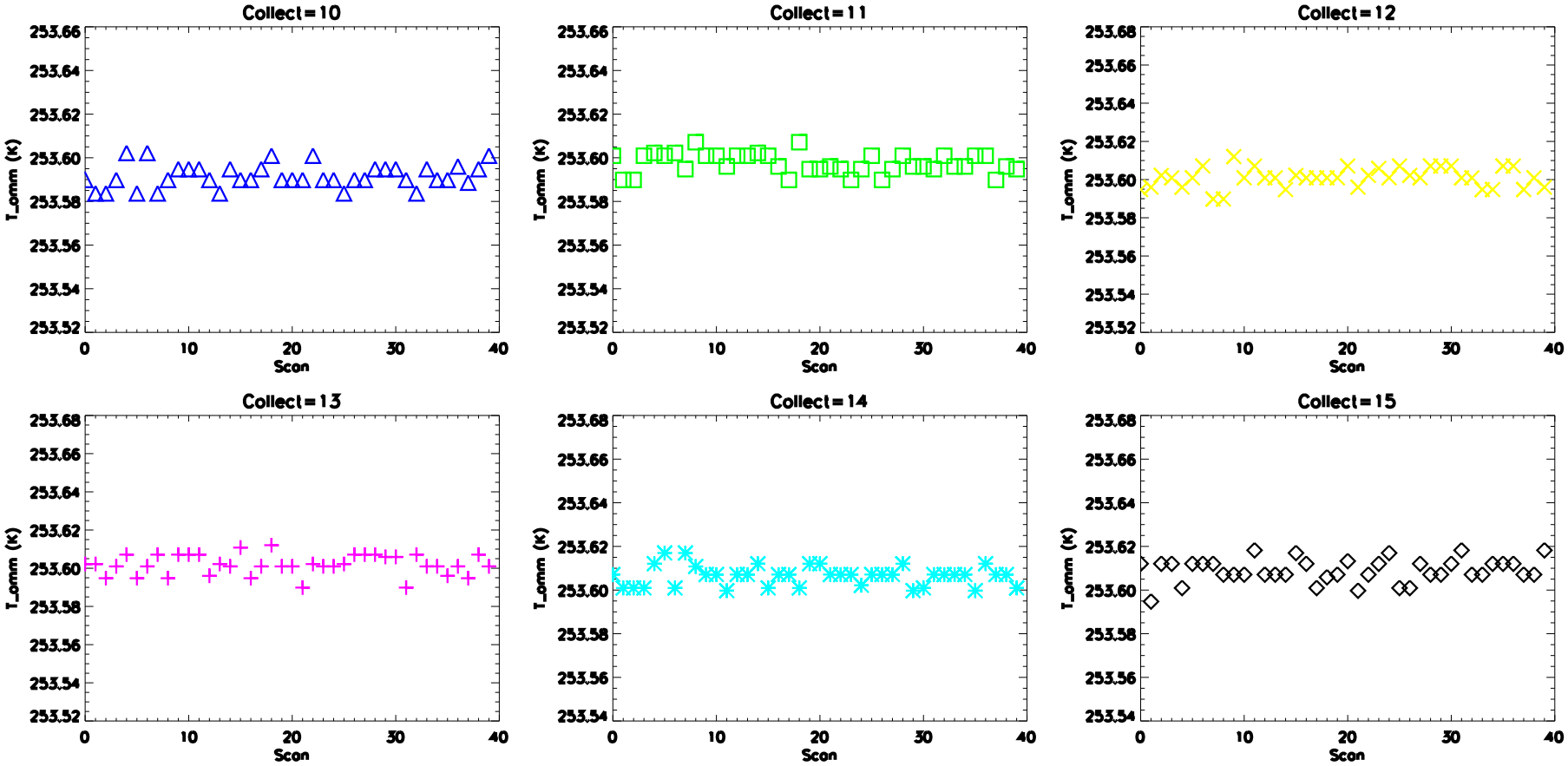

T_asp vs Scan: Collect=15
VisNIR
VisNIR T_asp (K)
274.08
274.06
274.04
274.02
274.00
273.98
273.96
273.94
0
10
20
30
40
Scan
SMWIR
SMWIR T_asp (K)
270.08
270.06
270.04
270.02
270.00
269.98
269.96
269.94
0
10
20
30
40
Scan
LWIR
LWIR T_asp (K)
273.80
273.78
273.76
273.74
273.72
273.70
273.68
273.66
0
10
20
30
40
Scan


T_omm vs Time
254.2
254.0
253.8
253.6
253.4
253.2
253.0
T_omm (K)
−50
0
50
100
150
200
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
Collect = 11
Collect = 12
Collect = 13
Collect = 14
Collect = 15
T_omm (K)
Scan