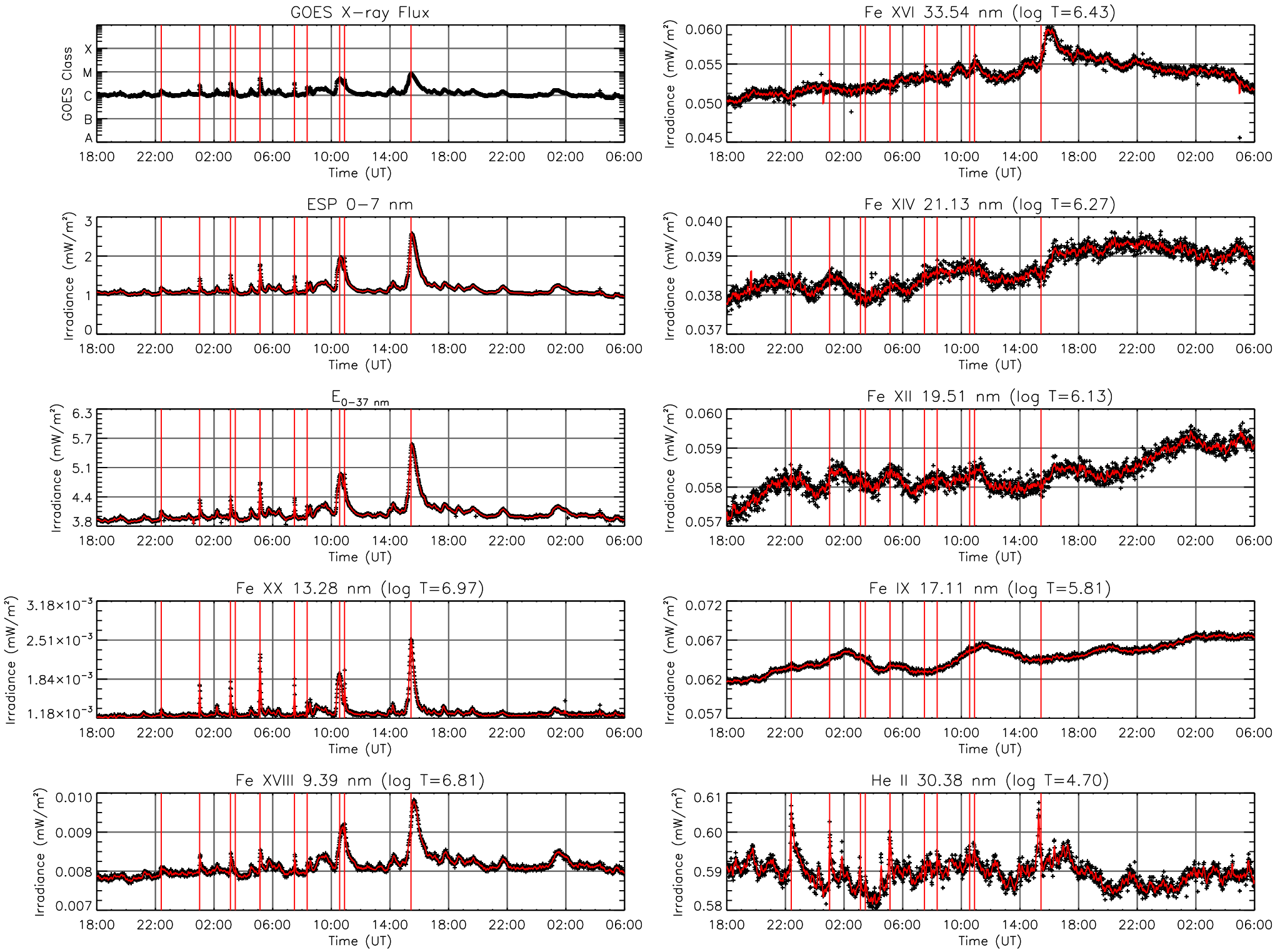
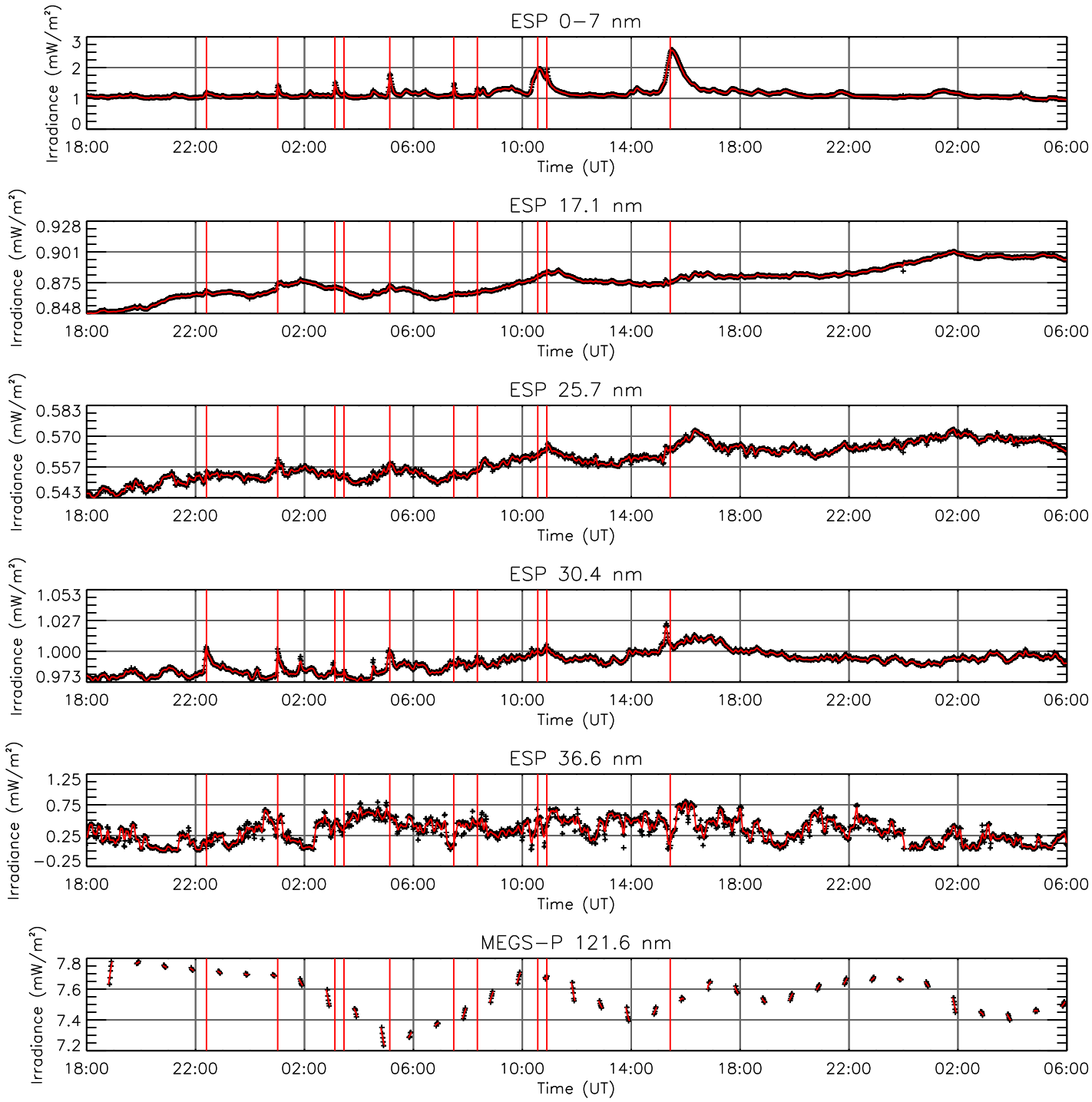
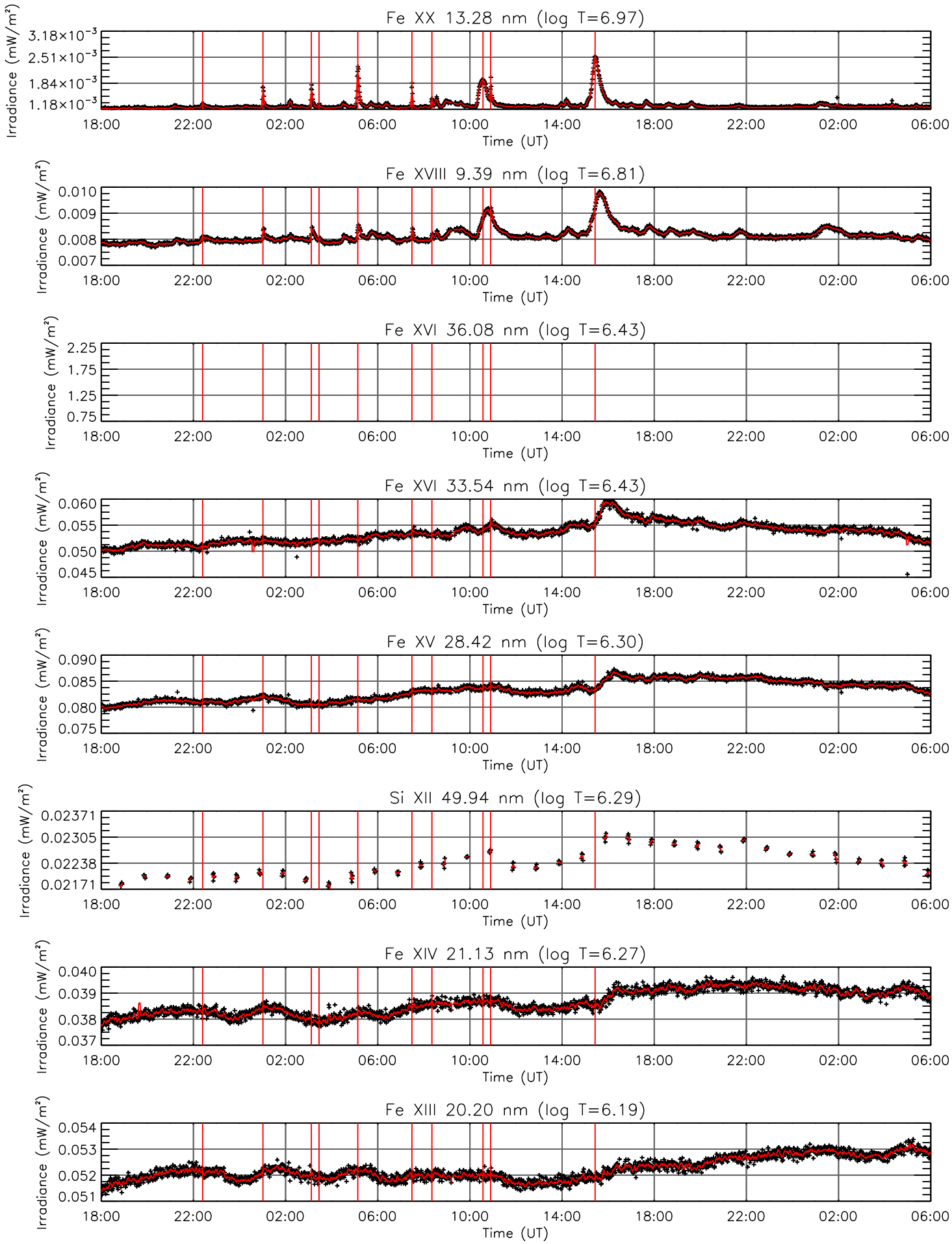
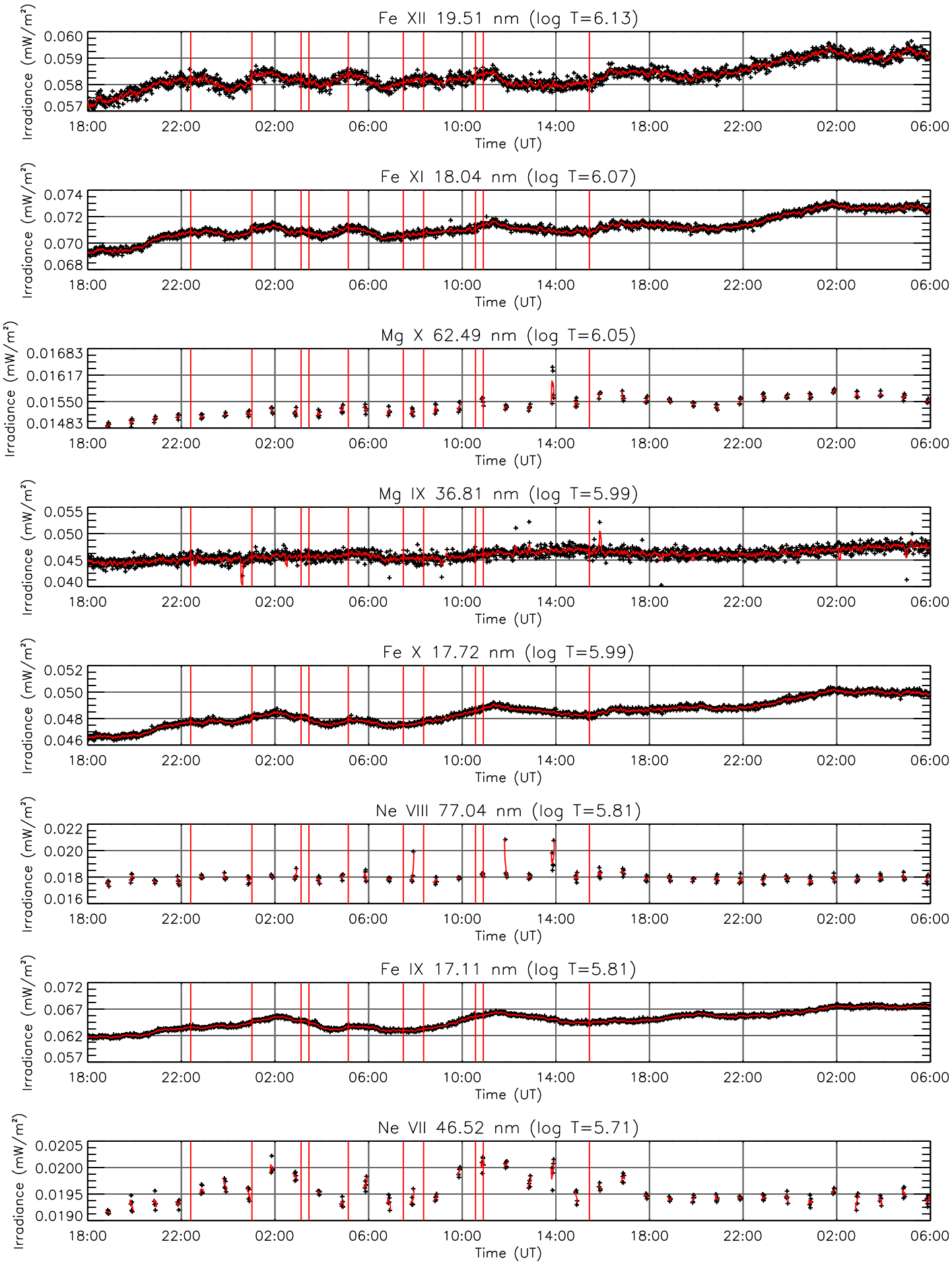
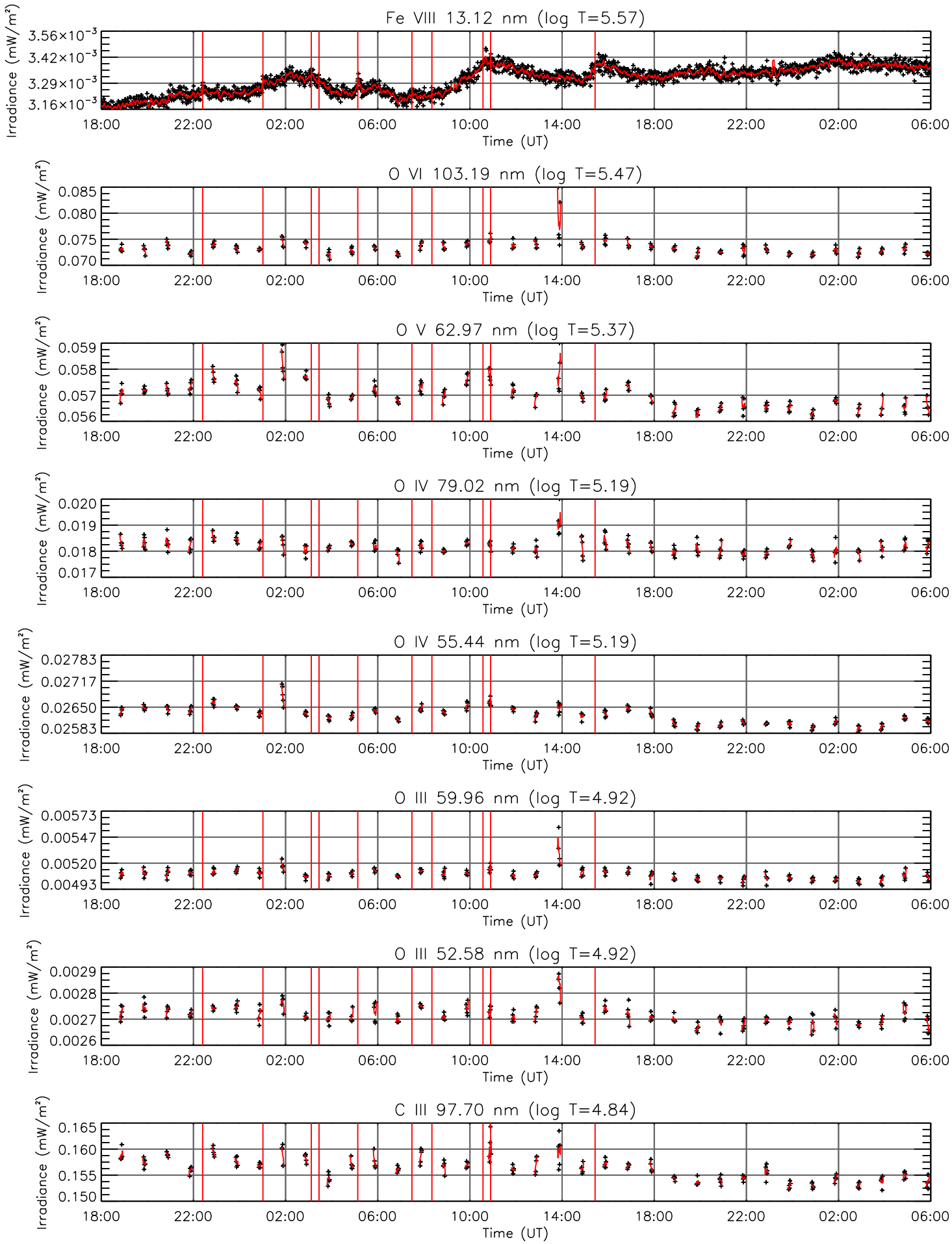
18 Oct 2013 (DOY 291)

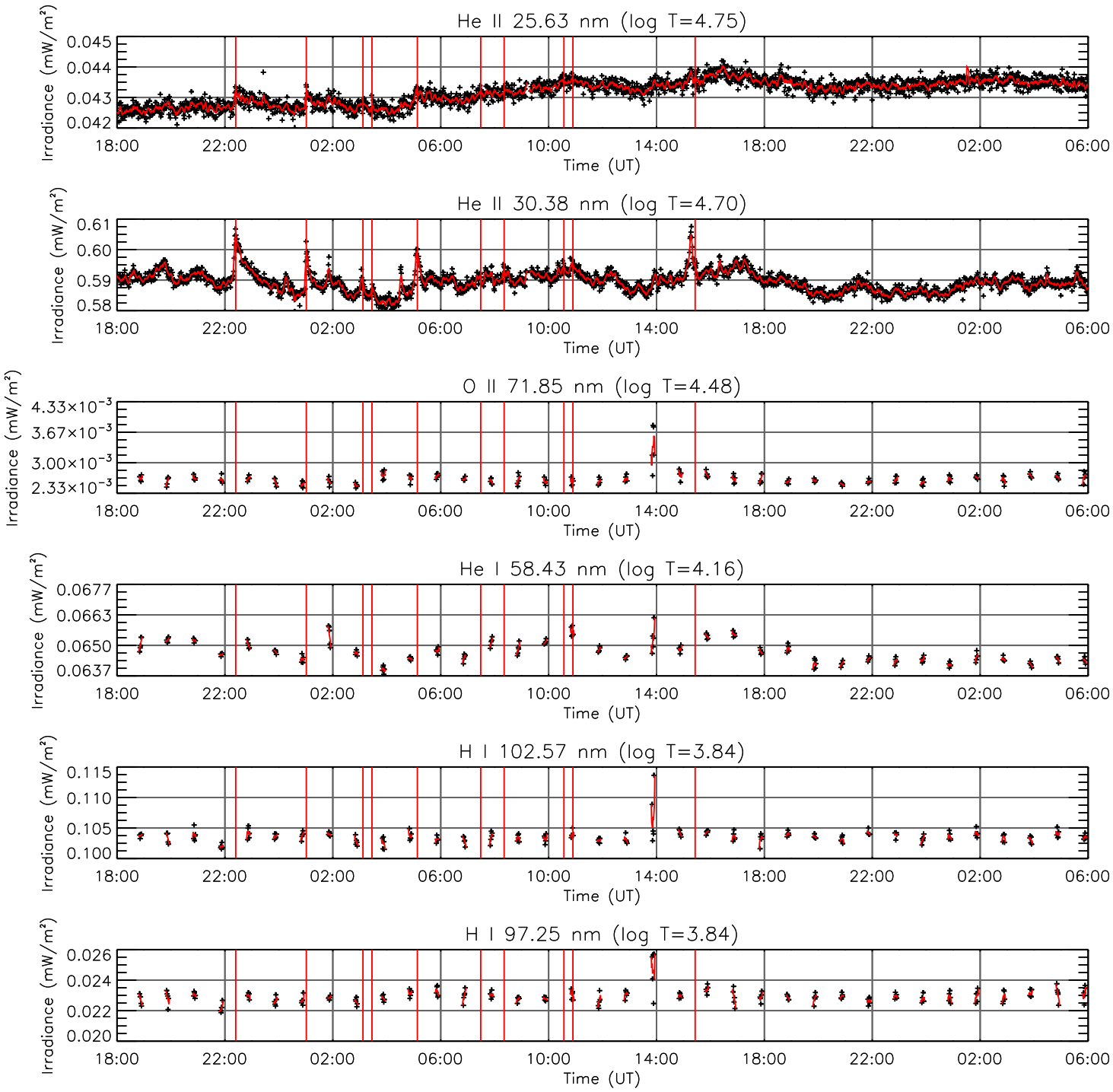


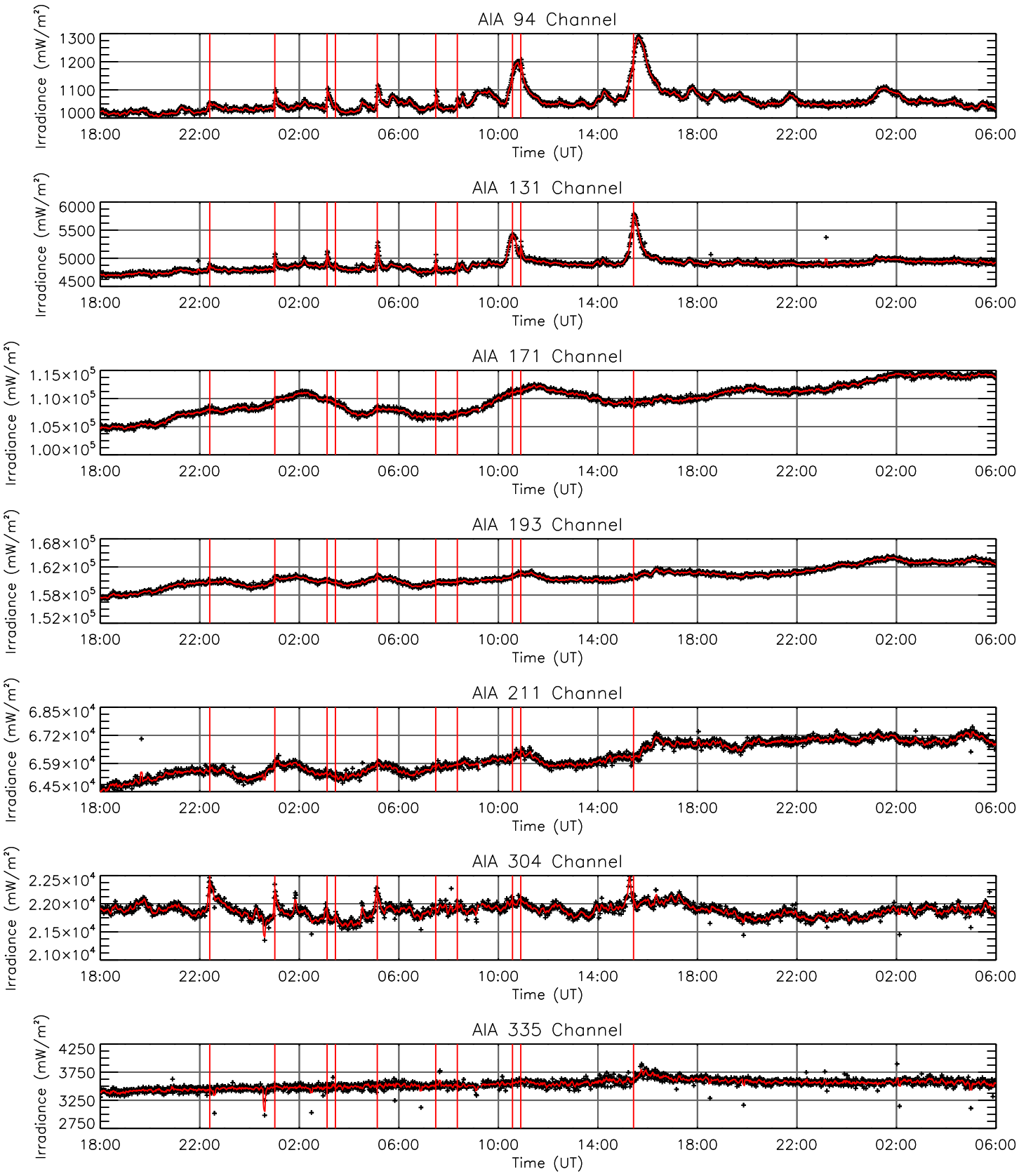

ESP 0−7 nm
Irradiance (mW/m²)
3
2
1
0
18:00
22:00
02:00
06:00
10:00
14:00
18:00
22:00
02:00
06:00
Time (UT)
ESP 17.1 nm
Irradiance (mW/m²)
0.928
0.901
0.875
0.848
Time (UT)
ESP 25.7 nm
Irradiance (mW/m²)
0.583
0.570
0.557
0.543
Time (UT)
ESP 30.4 nm
Irradiance (mW/m²)
1.053
1.027
1.000
0.973
Time (UT)
ESP 36.6 nm
Irradiance (mW/m²)
1.25
0.75
0.25
−0.25
Time (UT)
MEGS−P 121.6 nm
Irradiance (mW/m²)
7.8
7.6
7.4
7.2
Time (UT)

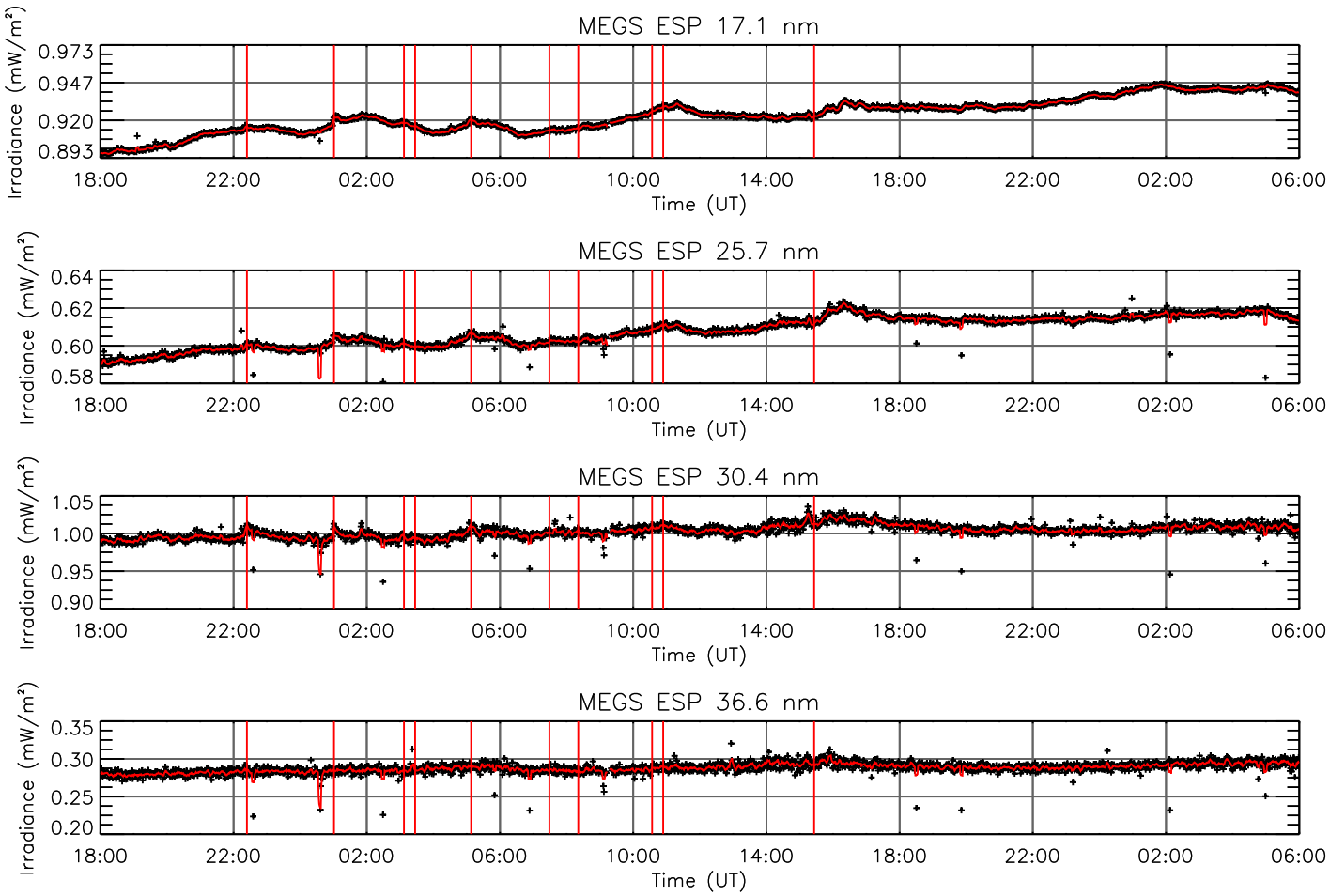

Fe XX 13.28 nm (log T=6.97)
Irradiance (mW/m²)
3.18×10⁻³
2.51×10⁻³
1.84×10⁻³
1.18×10⁻³
Fe XVIII 9.39 nm (log T=6.81)
0.010
0.009
0.008
0.007
Fe XVI 36.08 nm (log T=6.43)
2.25
1.75
1.25
0.75
Fe XVI 33.54 nm (log T=6.43)
0.060
0.055
0.050
0.045
Fe XV 28.42 nm (log T=6.30)
0.090
0.085
0.080
0.075
Si XII 49.94 nm (log T=6.29)
0.02371
0.02305
0.02238
0.02171
Fe XIV 21.13 nm (log T=6.27)
0.040
0.039
0.038
0.037
Fe XIII 20.20 nm (log T=6.19)
0.054
0.053
0.052
0.051
18:00
22:00
02:00
06:00
10:00
14:00
18:00
22:00
02:00
06:00
Time (UT)

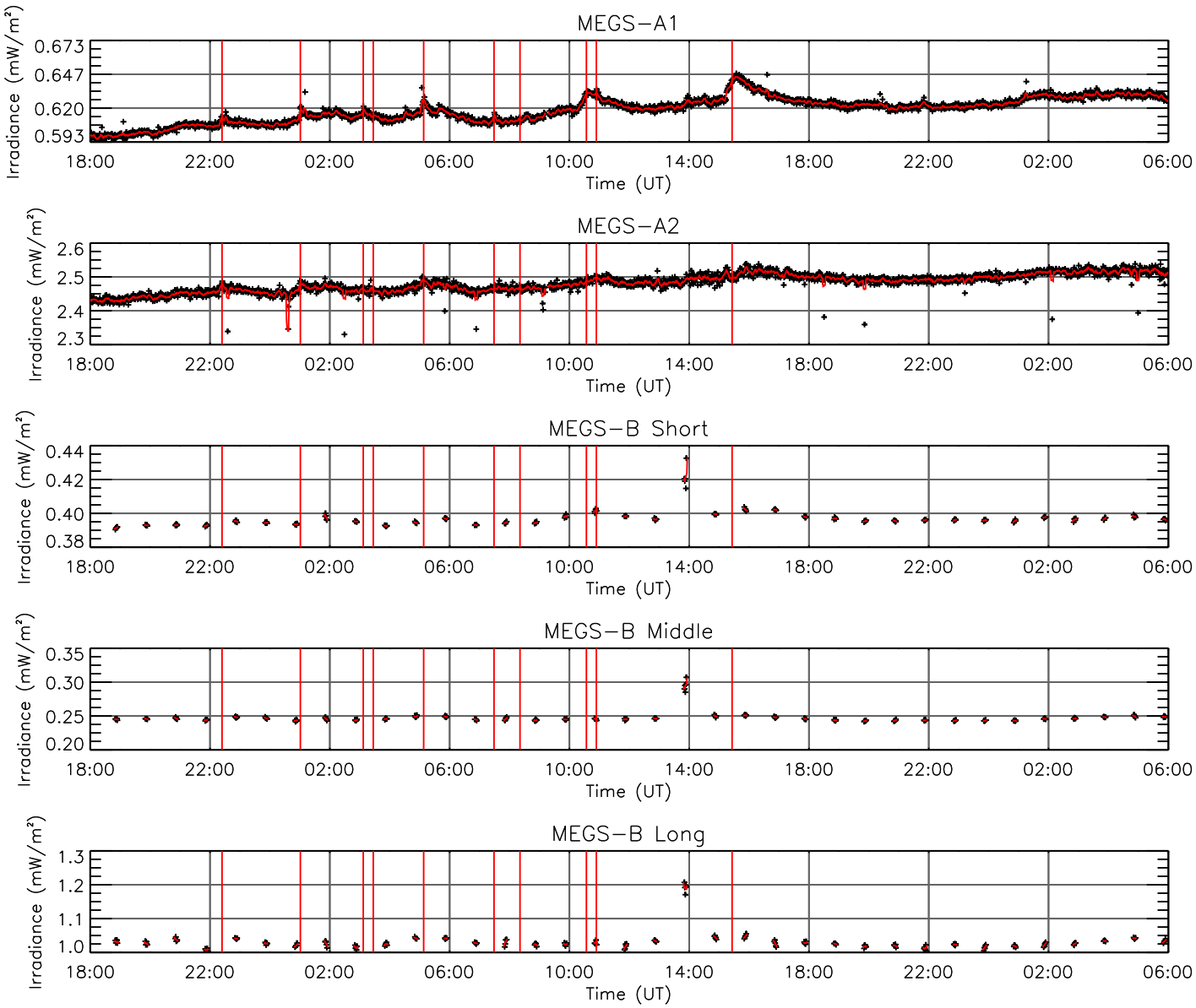

Fe XII 19.51 nm (log T=6.13)
Irradiance (mW/m²)
0.060
0.059
0.058
0.057
18:00 22:00 02:00 06:00 10:00 14:00 18:00 22:00 02:00 06:00
Time (UT)
Fe XI 18.04 nm (log T=6.07)
Irradiance (mW/m²)
0.074
0.072
0.070
0.068
18:00 22:00 02:00 06:00 10:00 14:00 18:00 22:00 02:00 06:00
Time (UT)
Mg X 62.49 nm (log T=6.05)
Irradiance (mW/m²)
0.01683
0.01617
0.01550
0.01483
18:00 22:00 02:00 06:00 10:00 14:00 18:00 22:00 02:00 06:00
Time (UT)
Mg IX 36.81 nm (log T=5.99)
Irradiance (mW/m²)
0.055
0.050
0.045
0.040
18:00 22:00 02:00 06:00 10:00 14:00 18:00 22:00 02:00 06:00
Time (UT)
Fe X 17.72 nm (log T=5.99)
Irradiance (mW/m²)
0.052
0.050
0.048
0.046
18:00 22:00 02:00 06:00 10:00 14:00 18:00 22:00 02:00 06:00
Time (UT)
Ne VIII 77.04 nm (log T=5.81)
Irradiance (mW/m²)
0.022
0.020
0.018
0.016
18:00 22:00 02:00 06:00 10:00 14:00 18:00 22:00 02:00 06:00
Time (UT)
Fe IX 17.11 nm (log T=5.81)
Irradiance (mW/m²)
0.072
0.067
0.062
0.057
18:00 22:00 02:00 06:00 10:00 14:00 18:00 22:00 02:00 06:00
Time (UT)
Ne VII 46.52 nm (log T=5.71)
Irradiance (mW/m²)
0.0205
0.0200
0.0195
0.0190
18:00 22:00 02:00 06:00 10:00 14:00 18:00 22:00 02:00 06:00
Time (UT)


Fe VIII 13.12 nm (log T=5.57)
O VI 103.19 nm (log T=5.47)
O V 62.97 nm (log T=5.37)
O IV 79.02 nm (log T=5.19)
O IV 55.44 nm (log T=5.19)
O III 59.96 nm (log T=4.92)
O III 52.58 nm (log T=4.92)
C III 97.70 nm (log T=4.84)
Irradiance (mW/m²)
Time (UT)
18:00
22:00
02:00
06:00
10:00
14:00


He II 25.63 nm (log T=4.75)
Irradiance (mW/m²)
0.045
0.044
0.043
0.042
He II 30.38 nm (log T=4.70)
0.61
0.60
0.59
0.58
O II 71.85 nm (log T=4.48)
4.33×10⁻³
3.67×10⁻³
3.00×10⁻³
2.33×10⁻³
He I 58.43 nm (log T=4.16)
0.0677
0.0663
0.0650
0.0637
H I 102.57 nm (log T=3.84)
0.115
0.110
0.105
0.100
H I 97.25 nm (log T=3.84)
0.026
0.024
0.022
0.020
18:00
22:00
02:00
06:00
10:00
14:00
Time (UT)


AIA 94 Channel
Irradiance (mW/m²)
1300
1200
1100
1000
AIA 131 Channel
6000
5500
5000
4500
AIA 171 Channel
1.15×10⁵
1.10×10⁵
1.05×10⁵
1.00×10⁵
AIA 193 Channel
1.68×10⁵
1.62×10⁵
1.58×10⁵
1.52×10⁵
AIA 211 Channel
6.85×10⁴
6.72×10⁴
6.59×10⁴
6.45×10⁴
AIA 304 Channel
2.25×10⁴
2.20×10⁴
2.15×10⁴
2.10×10⁴
AIA 335 Channel
4250
3750
3250
2750
18:00
22:00
02:00
06:00
10:00
14:00
18:00
22:00
02:00
06:00
Time (UT)


MEGS ESP 17.1 nm
Irradiance (mW/m²)
0.973
0.947
0.920
0.893
18:00
22:00
02:00
06:00
10:00
14:00
18:00
22:00
02:00
06:00
Time (UT)
MEGS ESP 25.7 nm
Irradiance (mW/m²)
0.64
0.62
0.60
0.58
Time (UT)
MEGS ESP 30.4 nm
Irradiance (mW/m²)
1.05
1.00
0.95
0.90
Time (UT)
MEGS ESP 36.6 nm
Irradiance (mW/m²)
0.35
0.30
0.25
0.20
Time (UT)


MEGS−A1
Irradiance (mW/m²)
0.673
0.647
0.620
0.593
18:00
22:00
02:00
06:00
10:00
14:00
18:00
22:00
02:00
06:00
Time (UT)
MEGS−A2
Irradiance (mW/m²)
2.6
2.5
2.4
2.3
Time (UT)
MEGS−B Short
Irradiance (mW/m²)
0.44
0.42
0.40
0.38
Time (UT)
MEGS−B Middle
Irradiance (mW/m²)
0.35
0.30
0.25
0.20
Time (UT)
MEGS−B Long
Irradiance (mW/m²)
1.3
1.2
1.1
1.0
Time (UT)