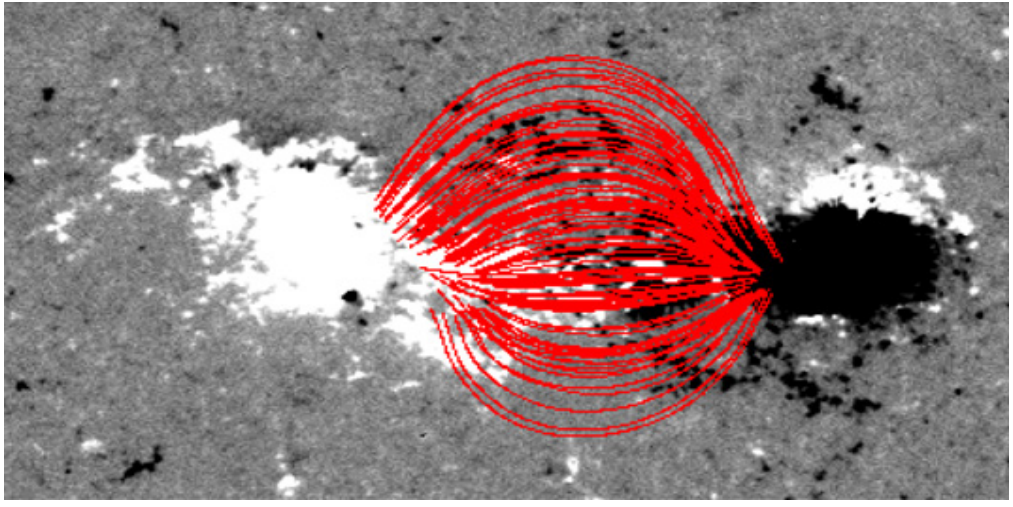
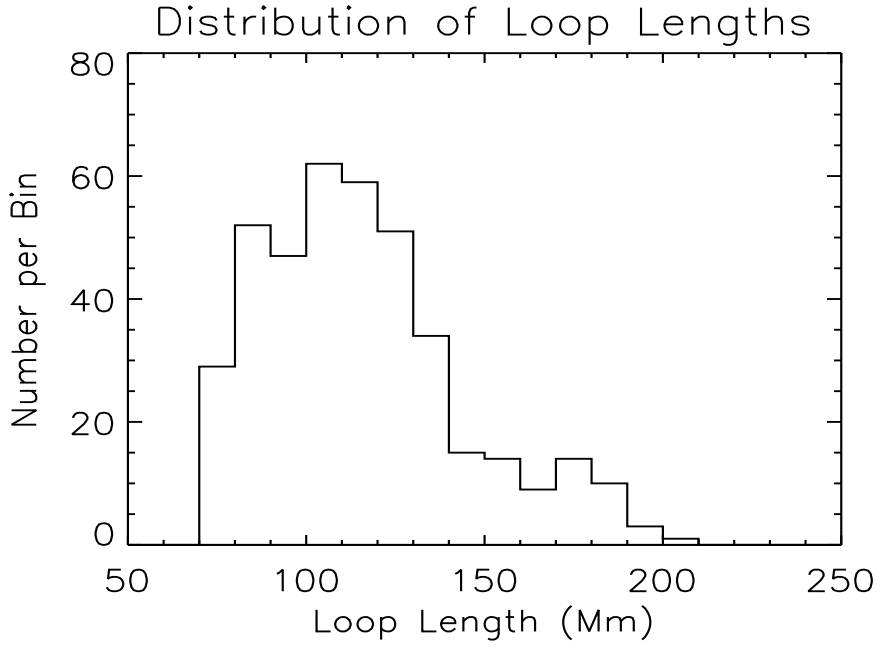
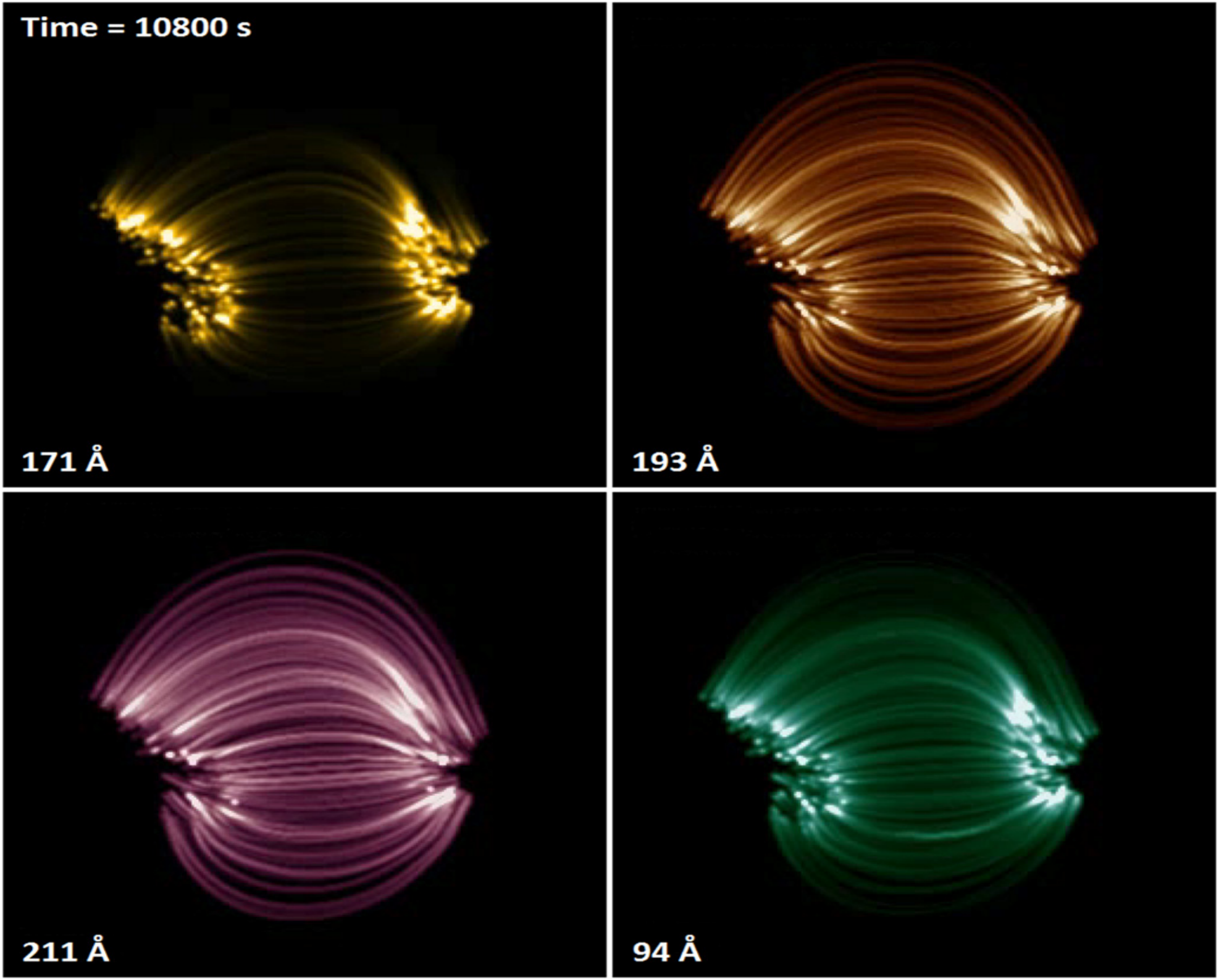
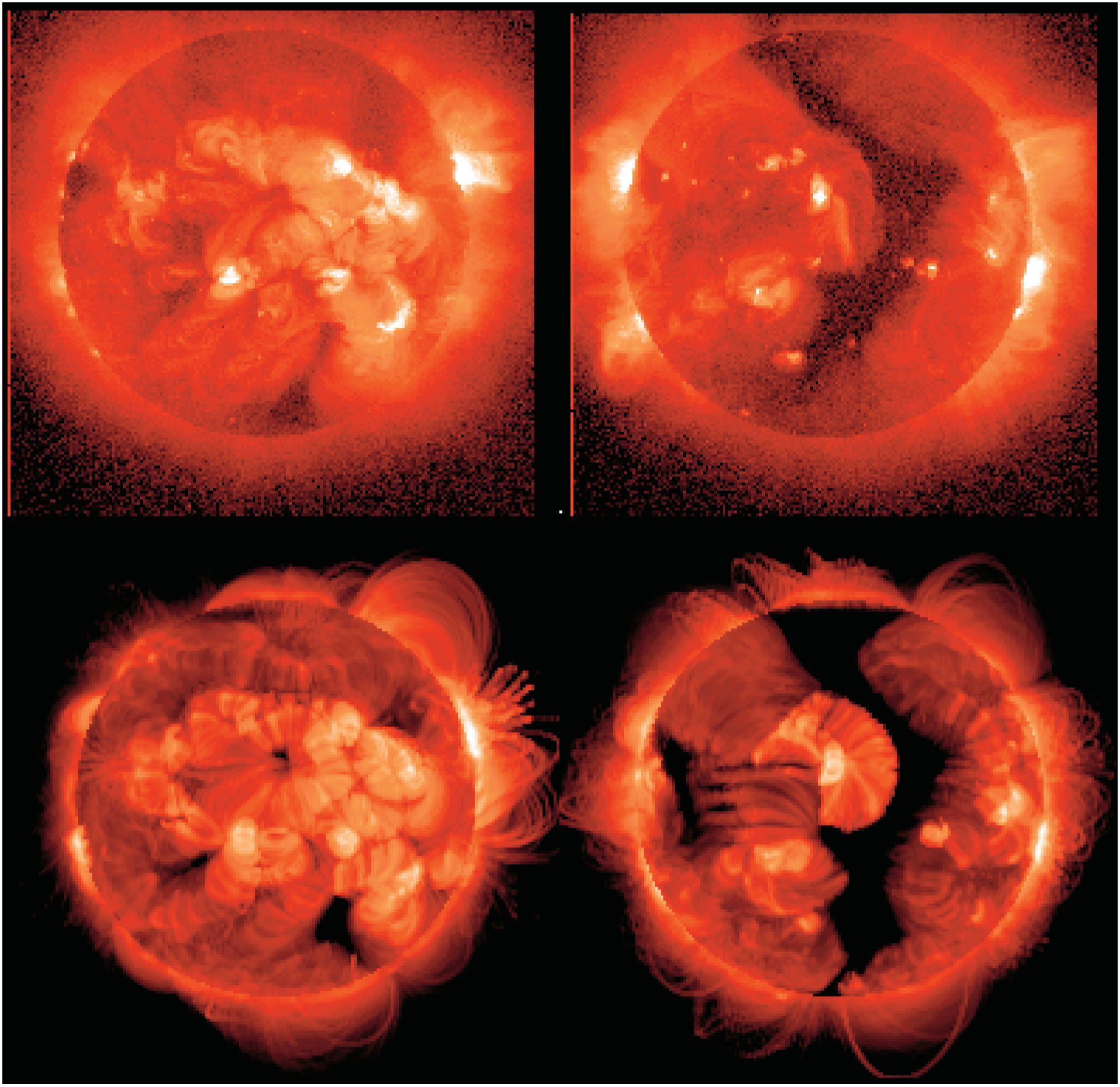
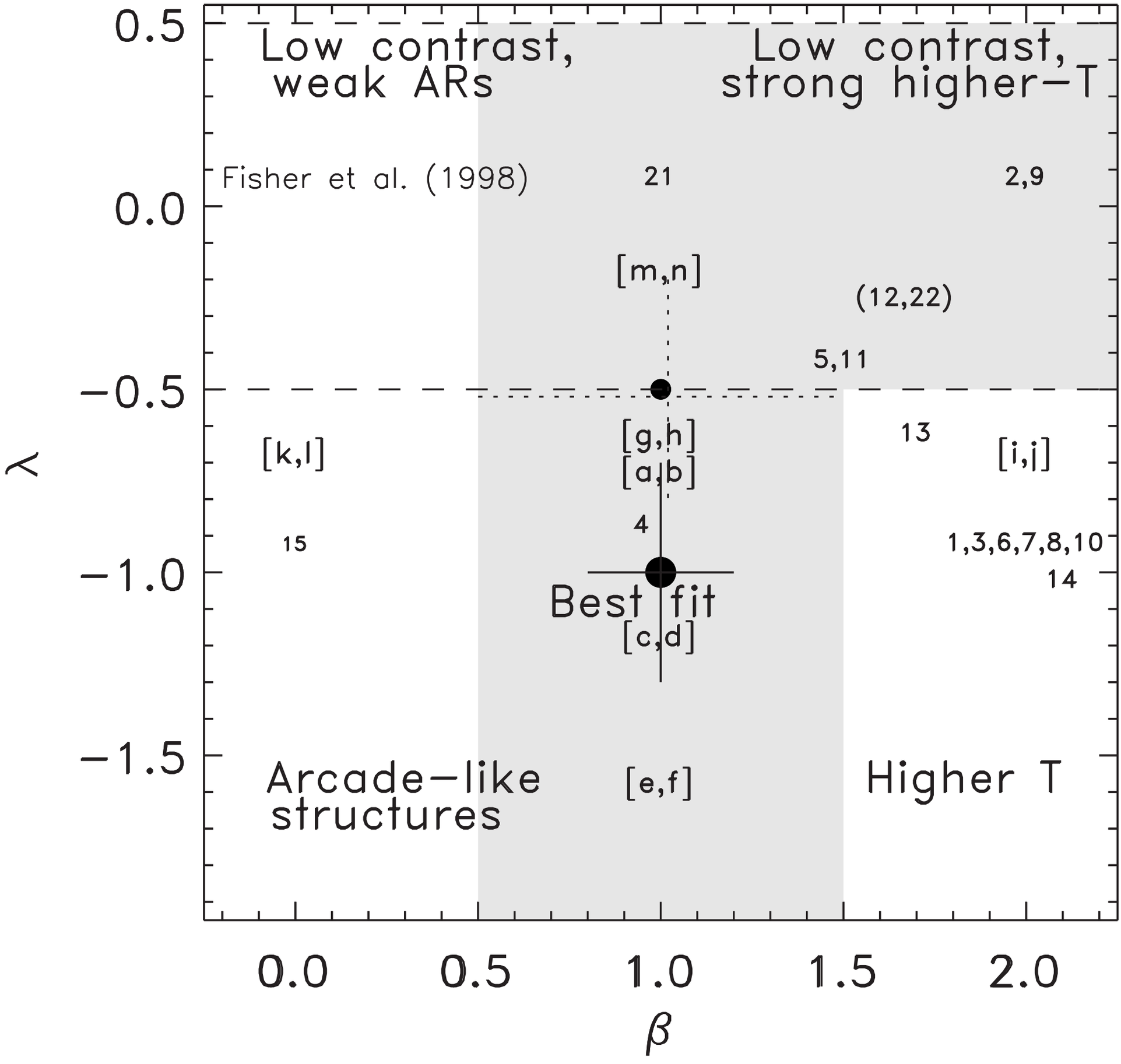



Distribution of Loop Lengths
Number per Bin
0
20
40
60
80
50
100
150
200
250
Loop Length (Mm)


Time = 10800 s
171 Å
193 Å
211 Å
94 Å

Bradshaw & Viall (2016)



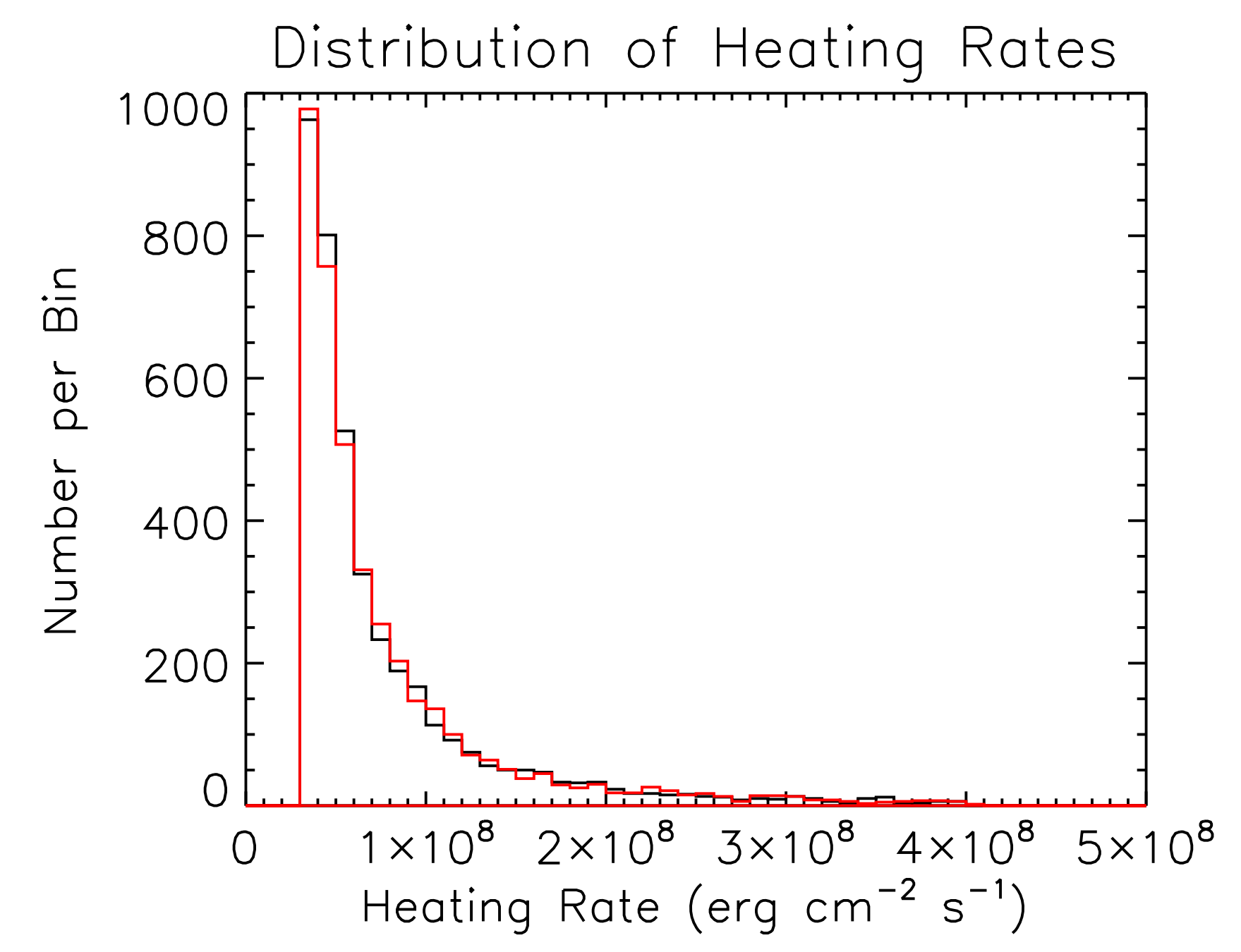

Low contrast,
weak ARs
Low contrast,
strong higher−T
Fisher et al. (1998)
21
2,9
[m,n]
(12,22)
5,11
[k,l]
[g,h]
[a,b]
13
[i,j]
4
15
1,3,6,7,8,10
14
Best fit
[c,d]
Arcade−like
structures
[e,f]
Higher T
0.5
0.0
−0.5
−1.0
−1.5
λ
0.0
0.5
1.0
1.5
2.0
β

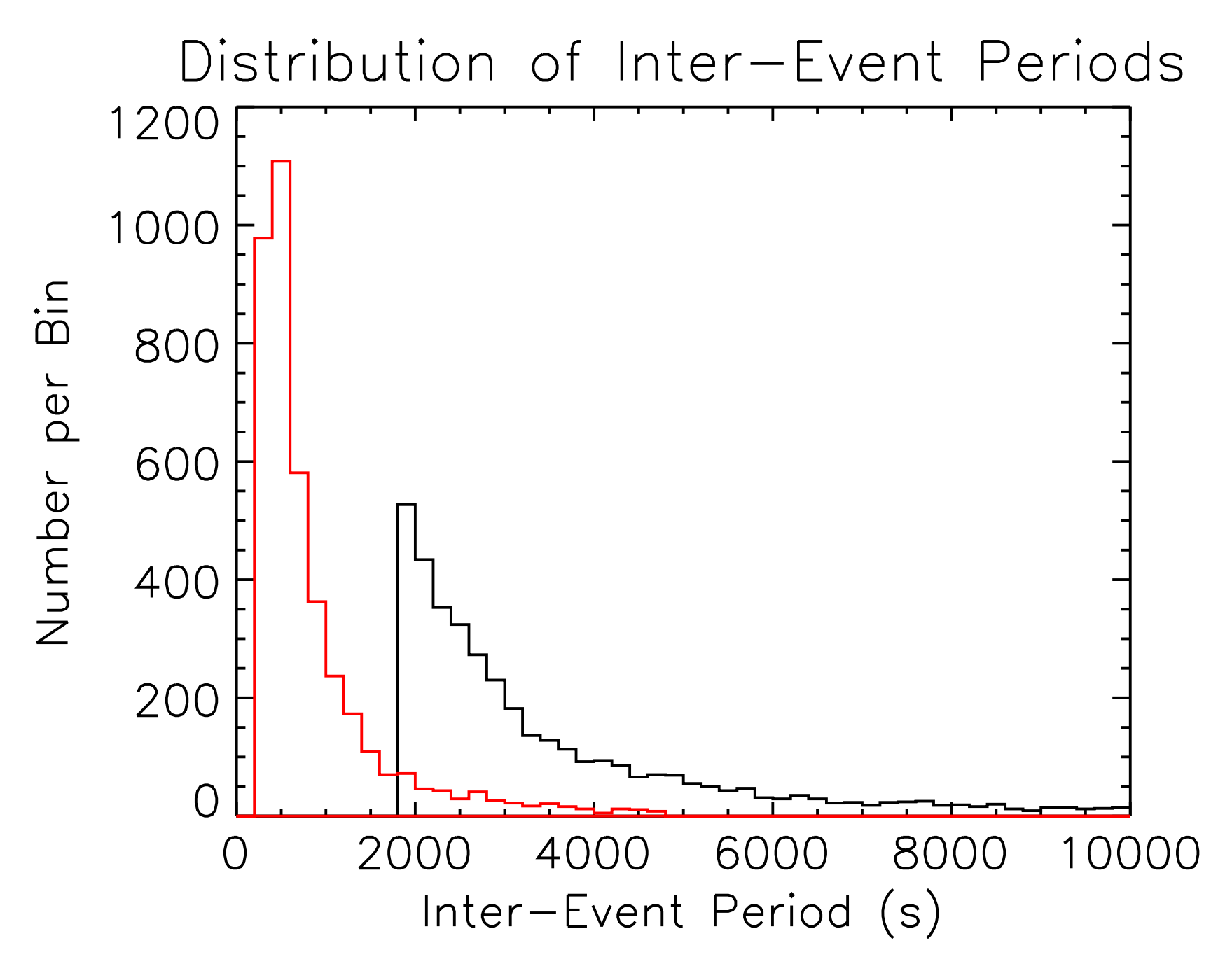
$$F_H = \alpha B_{base}^{\beta} L_{half}^{\lambda} f(B_{base})$$

Heating:

Schrijver et al. (2004)

HYDRAD: HYDrodynamics and RADiative

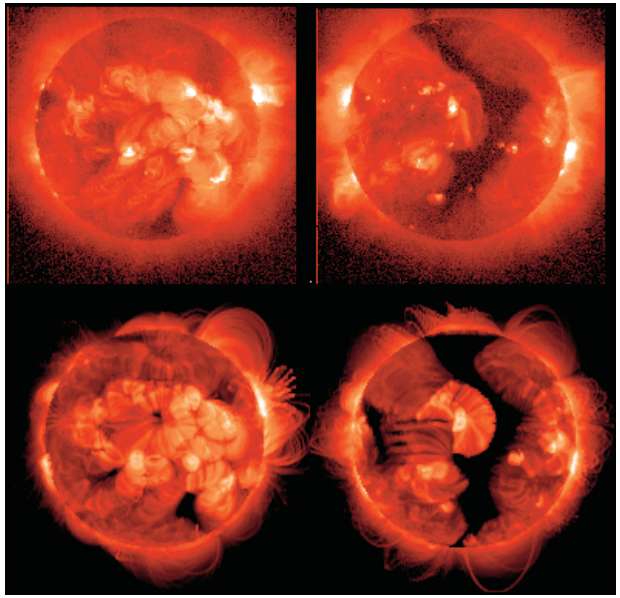

Distribution of Heating Rates
1000
800
600
400
200
0
Number per Bin
0
1×10^8
2×10^8
3×10^8
4×10^8
5×10^8
Heating Rate (erg cm^-2 s^-1)

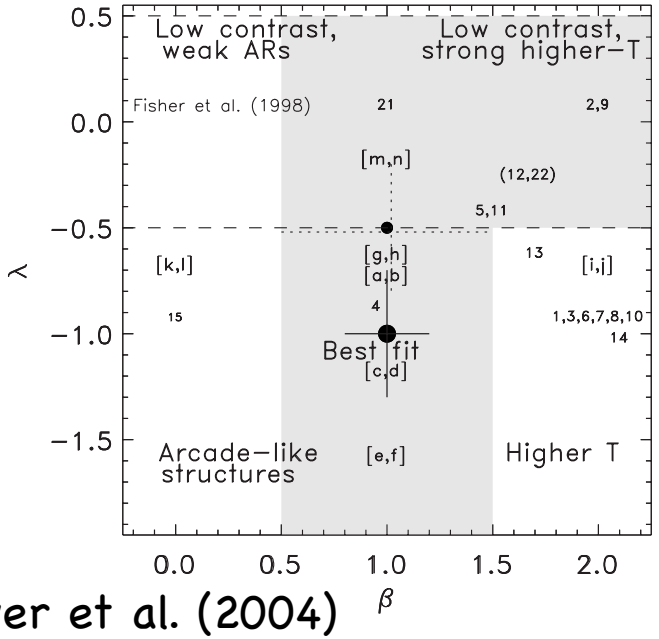

Distribution of Inter−Event Periods
Number per Bin
0
200
400
600
800
1000
1200
0
2000
4000
6000
8000
10000
Inter−Event Period (s)

$$f = \exp(-(B_{base}/500)^2)$$

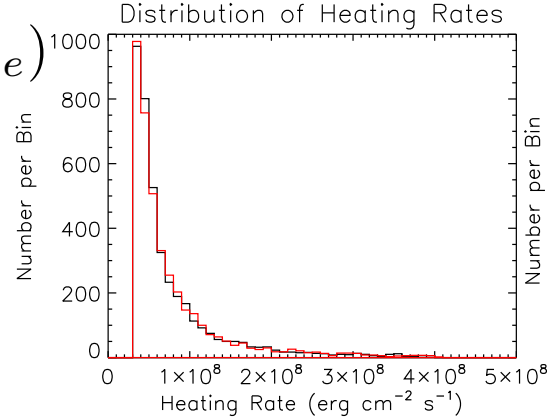
Heating: $F_H = \alpha B_{base}^{\beta} L_{half}^{\lambda} f(B_{base})$

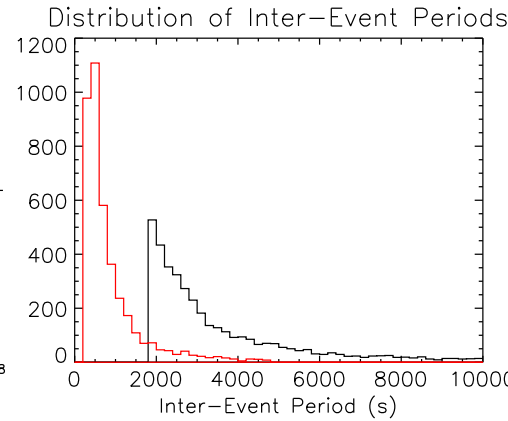
$$f = \exp(-(B_{base}/500)^2)$$

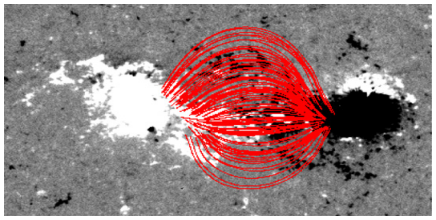


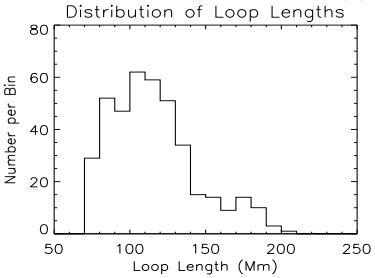


Schrijver et al. (2004)

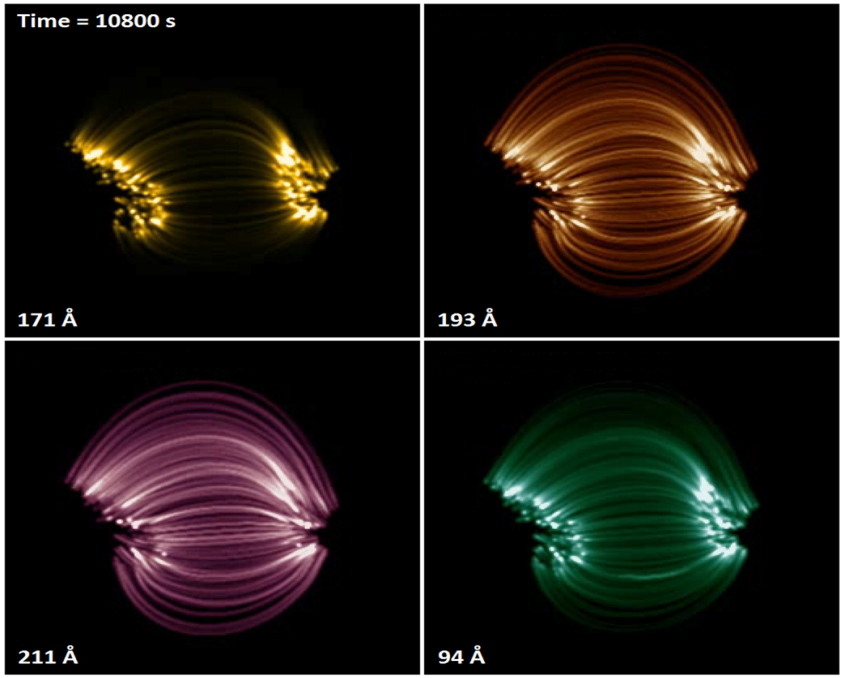




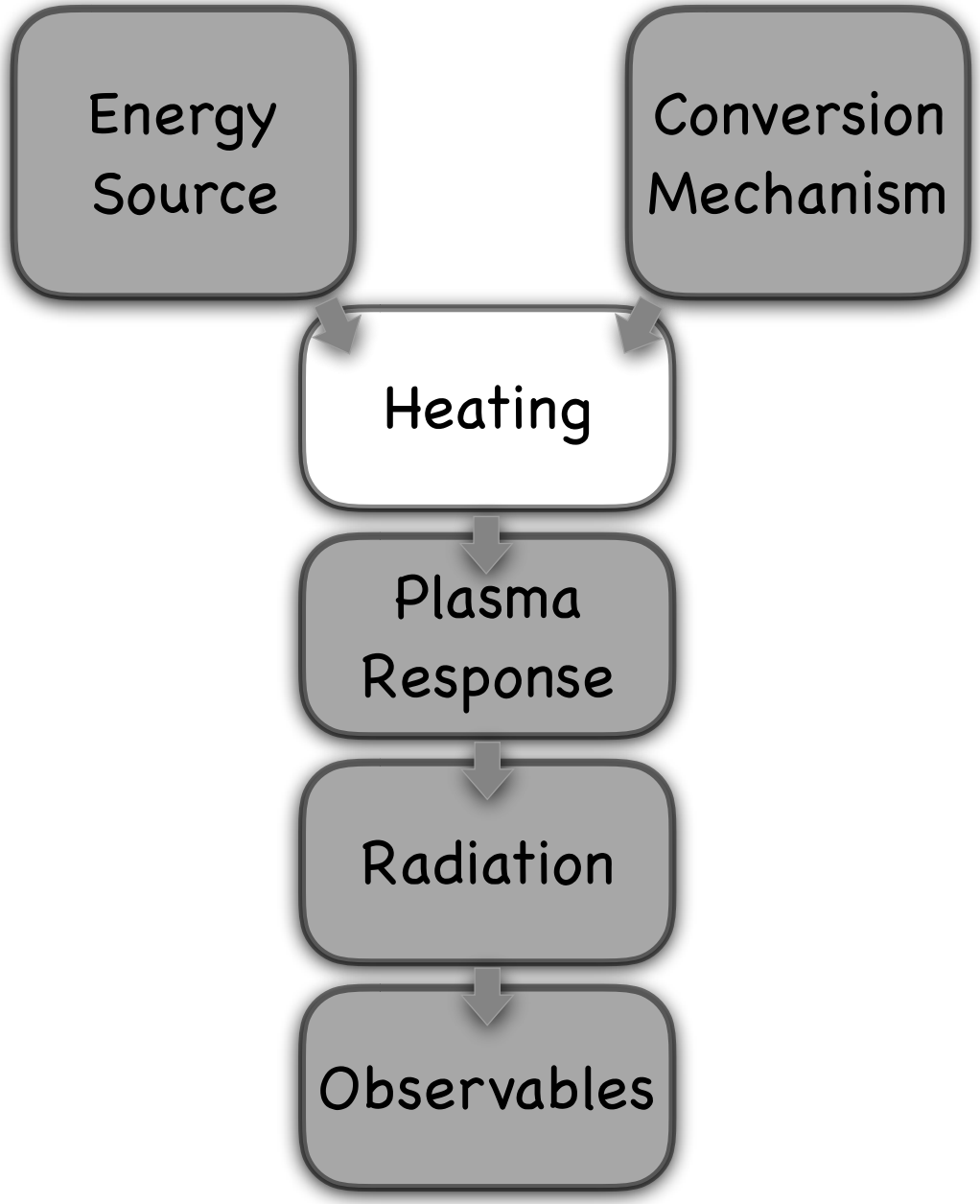




HYDRAD: HYDrodynamics and RADiative



Bradshaw & Viall (2016)



Klimchuk 2006