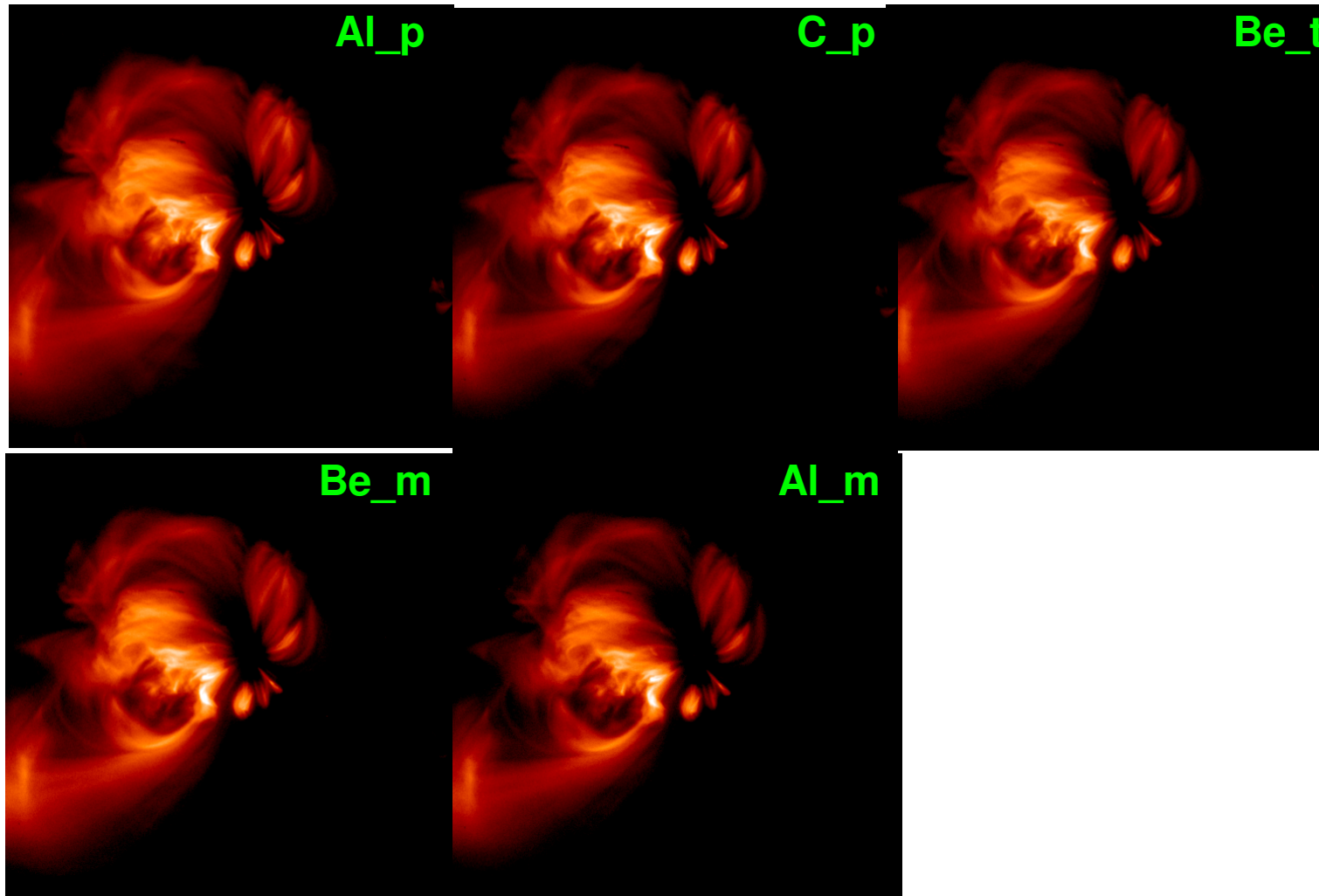


# **Fine thermal structures in AR with XRT**

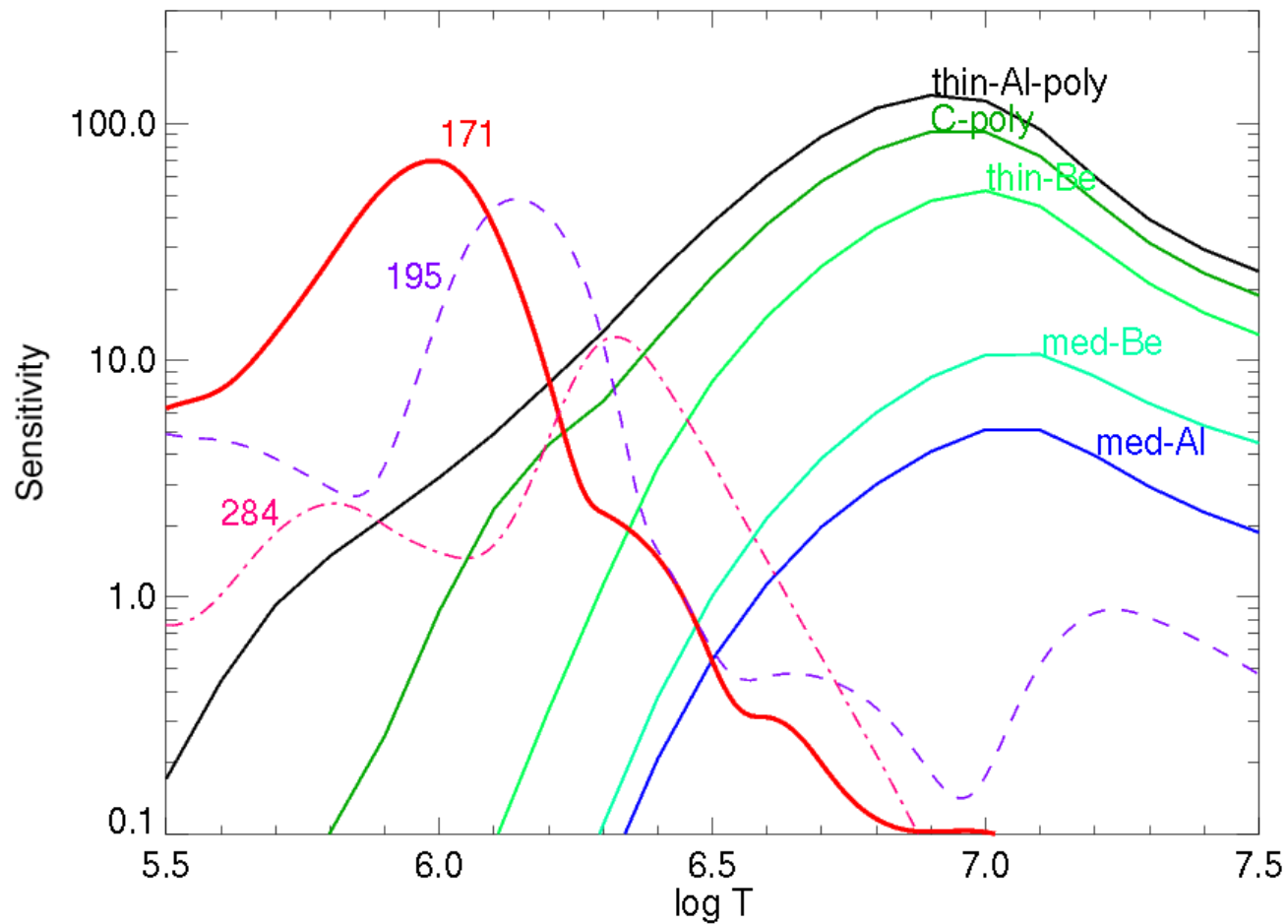
**Susanna Parenti  
ROB**

# AR in XRT (12 November 2006)

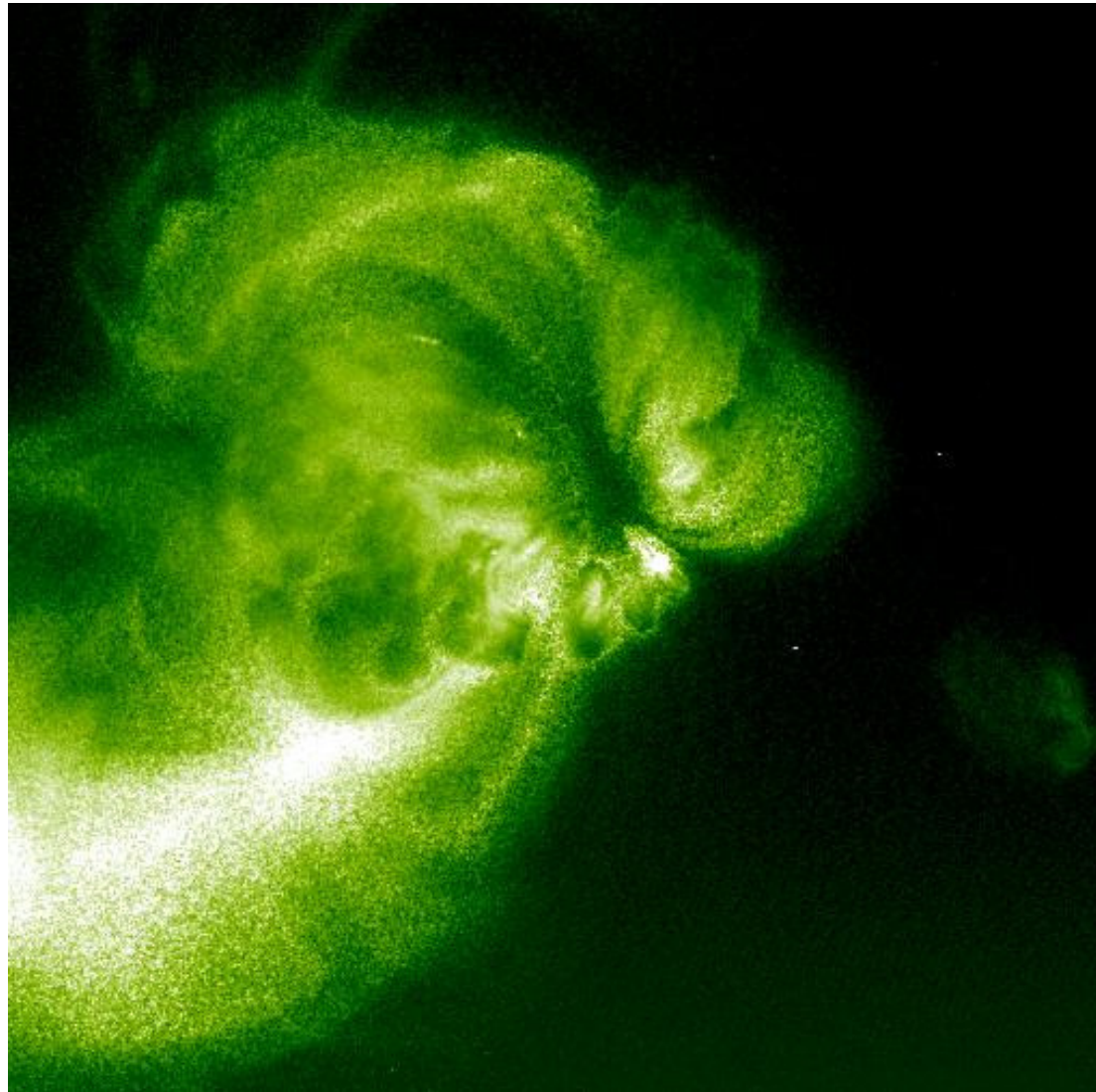


- 1h average
- Log color scales:
  - 100-5000
  - 100-3000
  - 20-1000
  - 3-150
  - 2-80 DN/s

# XRT and TRACE T response



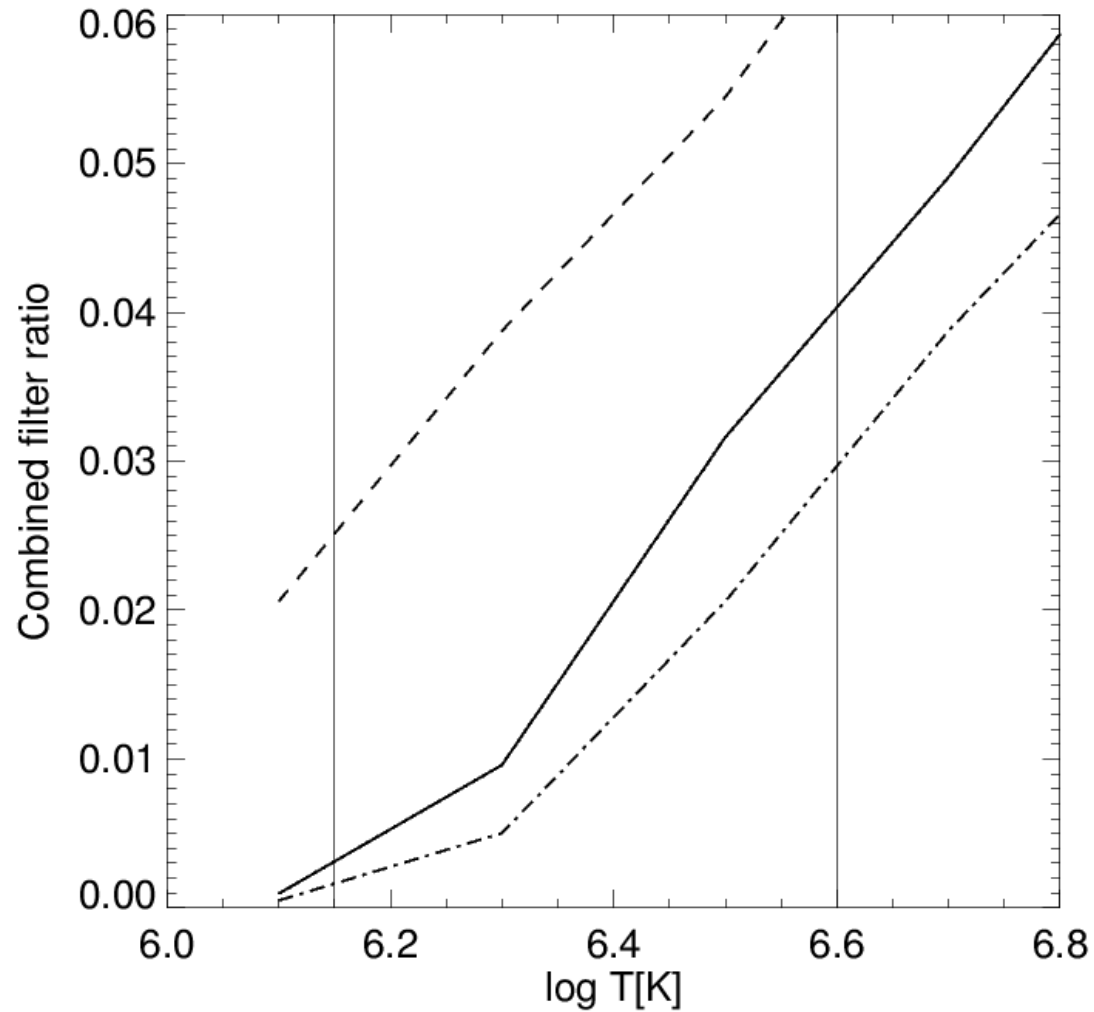
**Be\_m/Al\_p**



# Combined Improved Filter Ratio (CIFR)

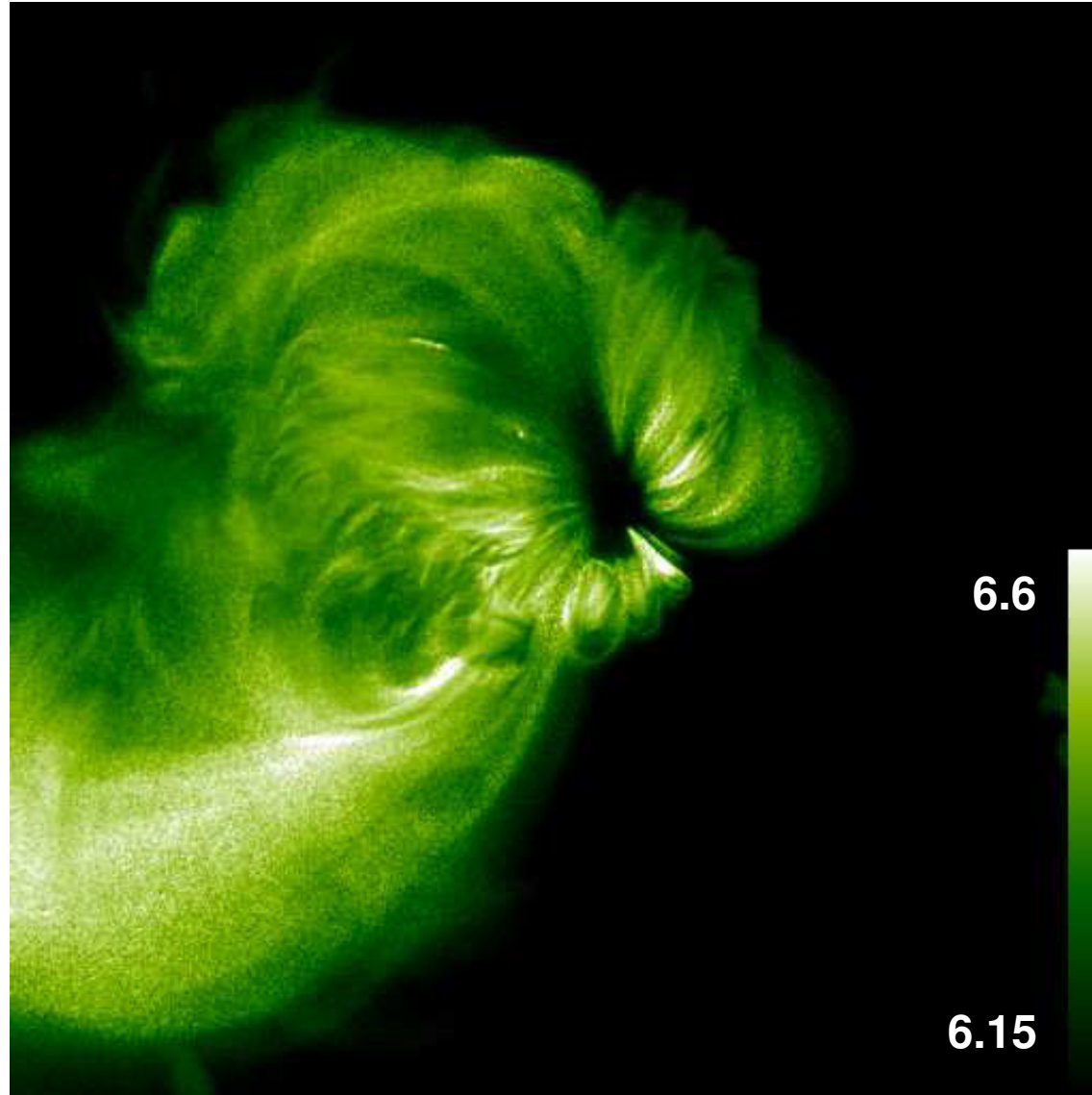
$$\begin{aligned} CIFR(T) &= \frac{(\prod_i I_i)^{1/n}}{I_j} \frac{(\prod_i I_i)^{1/n}}{I_k} \\ &= \frac{(\prod_i G_i(T))^{1/n}}{G(T)_j} \frac{(\prod_i G_i(T))^{1/n}}{G(T)_k} \end{aligned}$$

# CIFR Temperature response

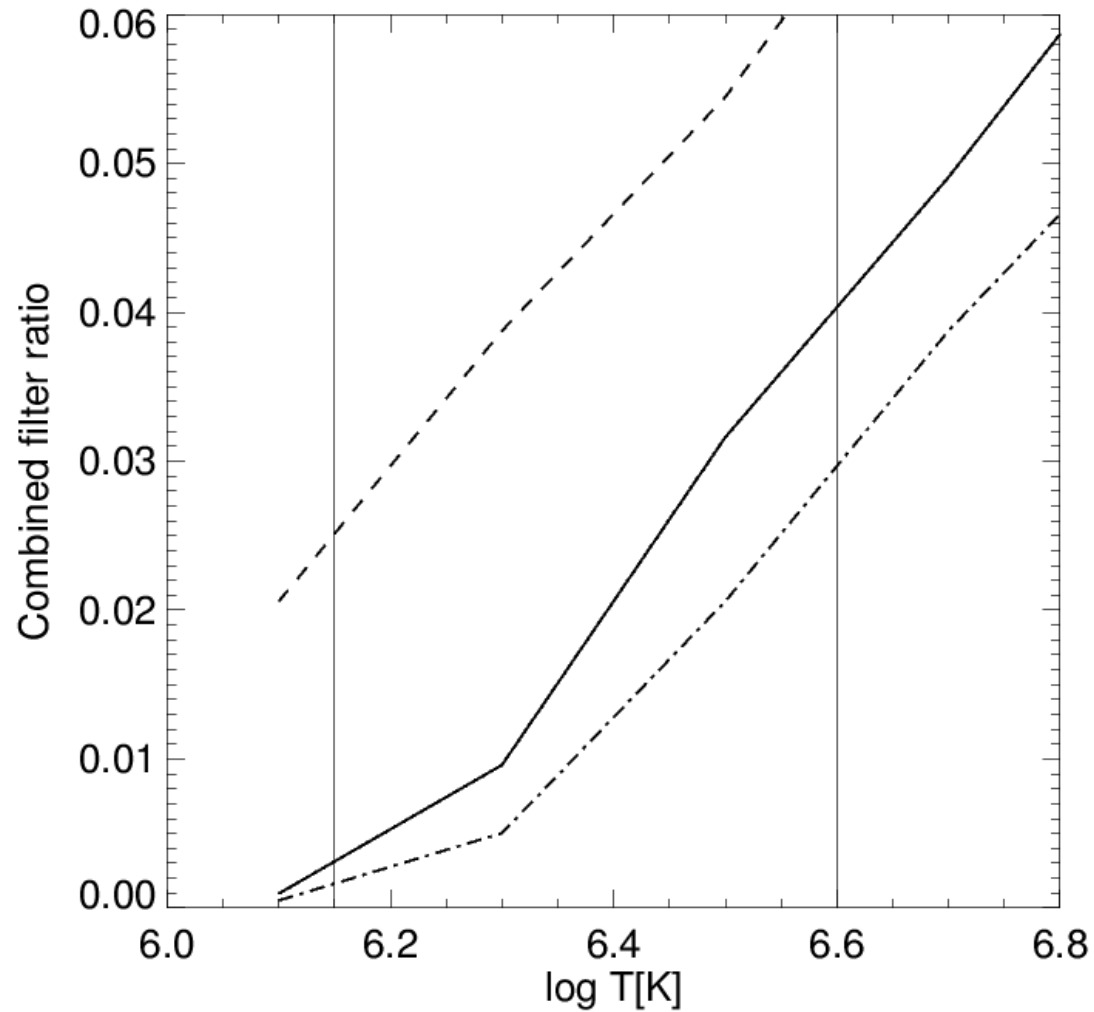


# CIFR- Temperature map

Reale, Parenti et al, Science, in press



# CIFR Temperature response





Reale, Parenti et al., Science, in press

