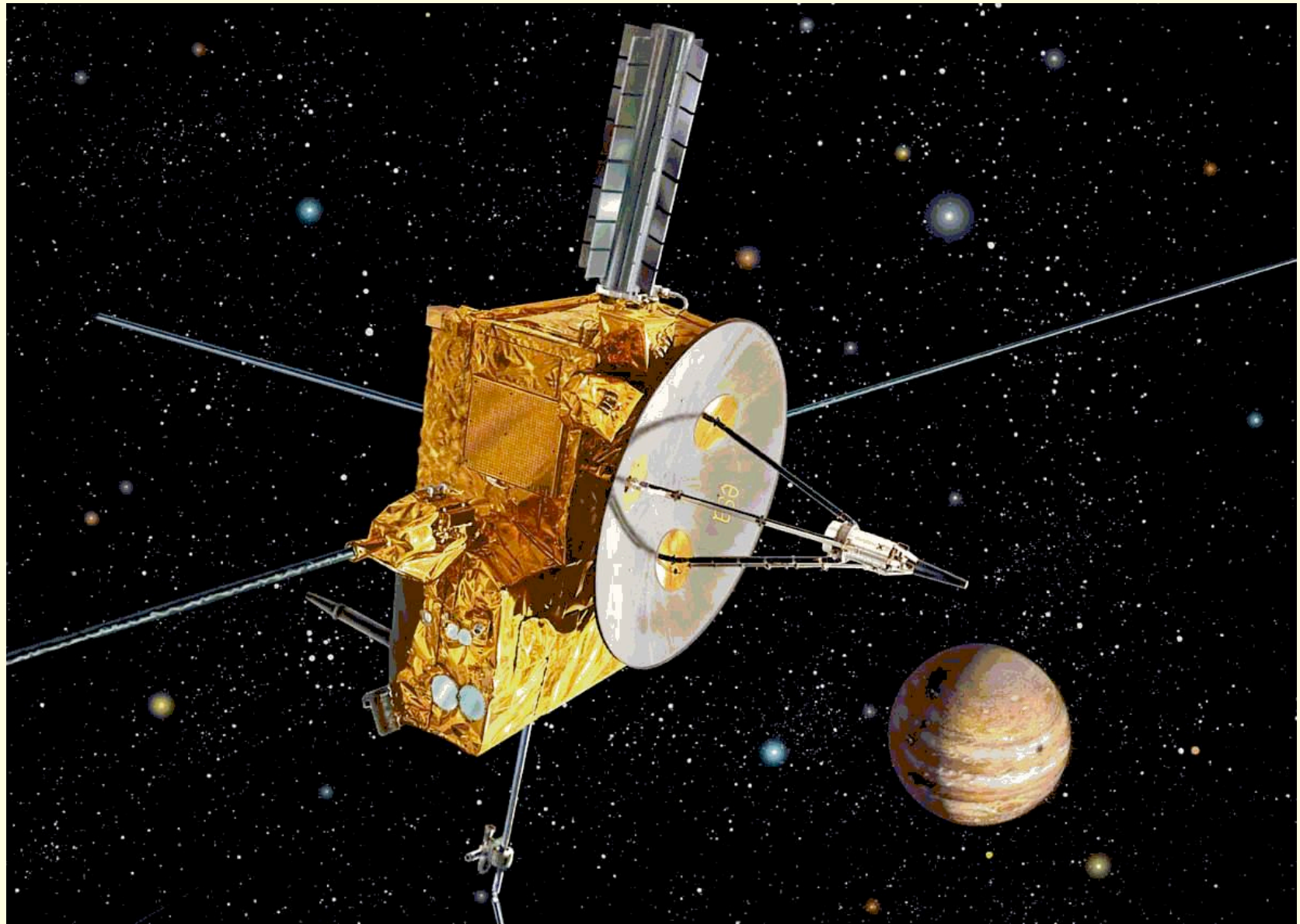


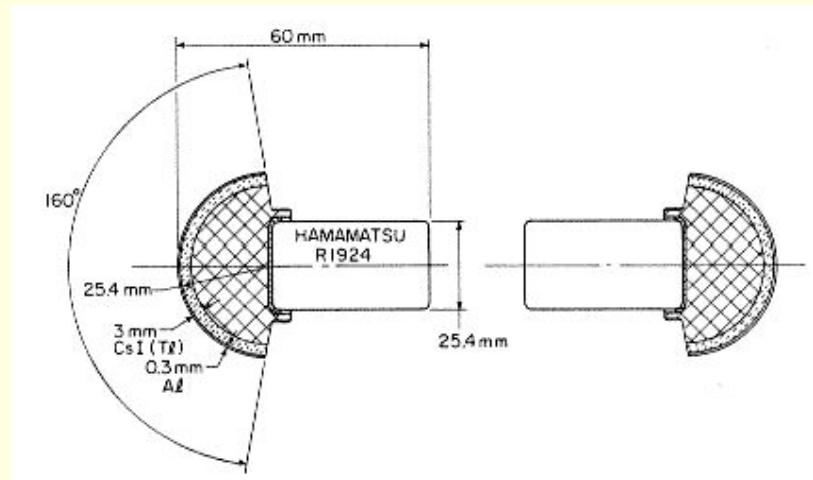
# RHESSI calibrate Ulysses

Hugh Hudson

# Ulysses background

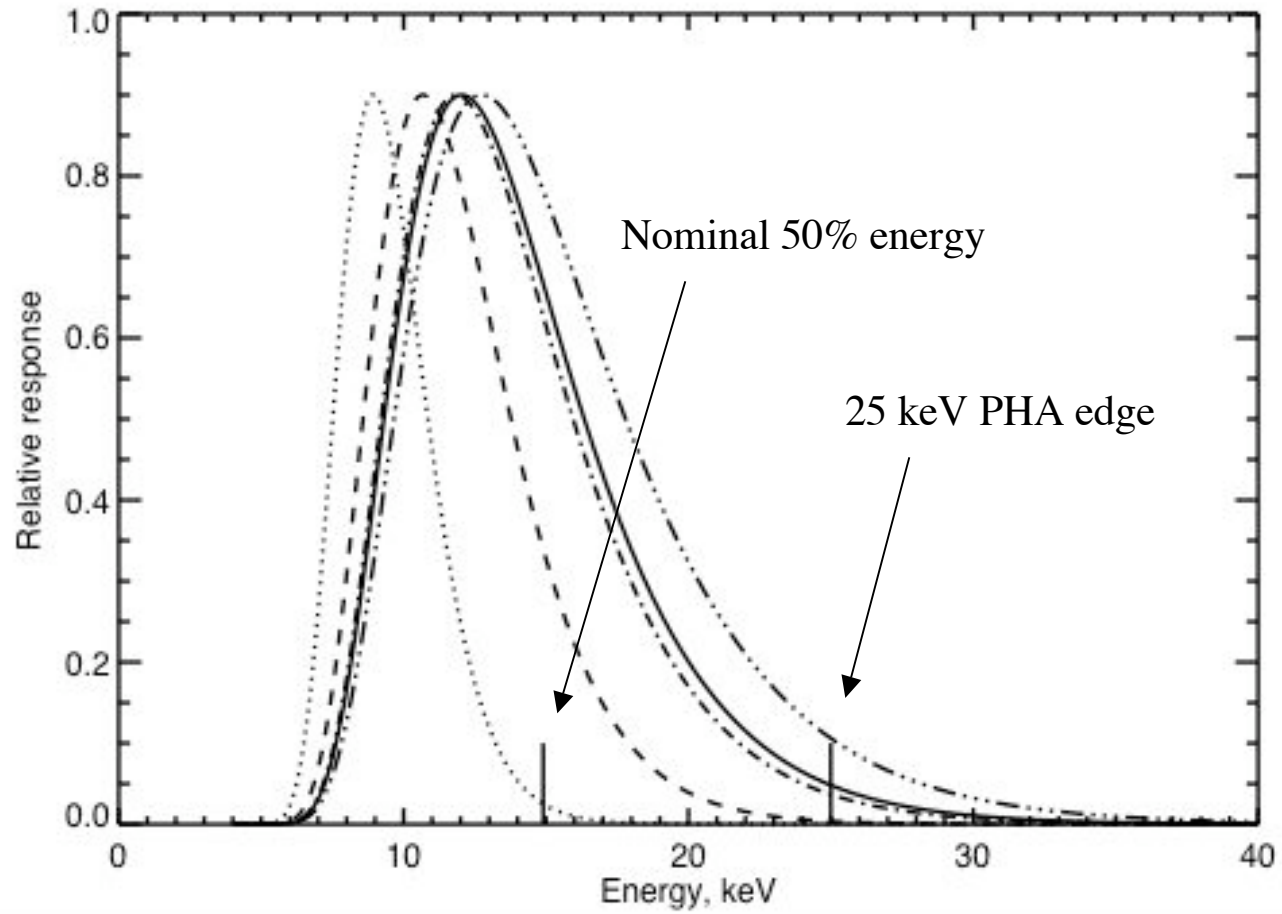
- Small scintillation counter in solar polar orbit at 5+ AU apogee
- Launch in 1990
- Many nice solar observations reported by Kane and McTiernan over the years
- We can calibrate against RHESSI, as reported here



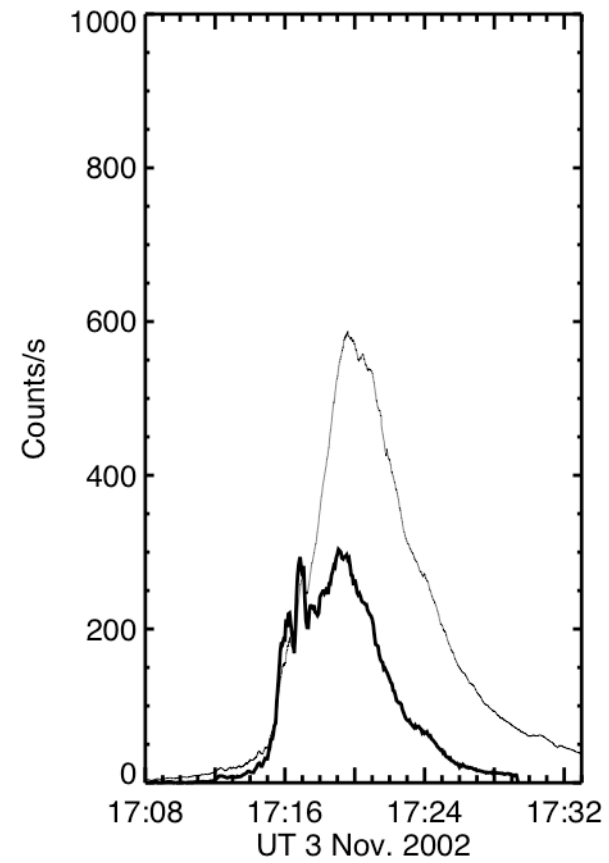
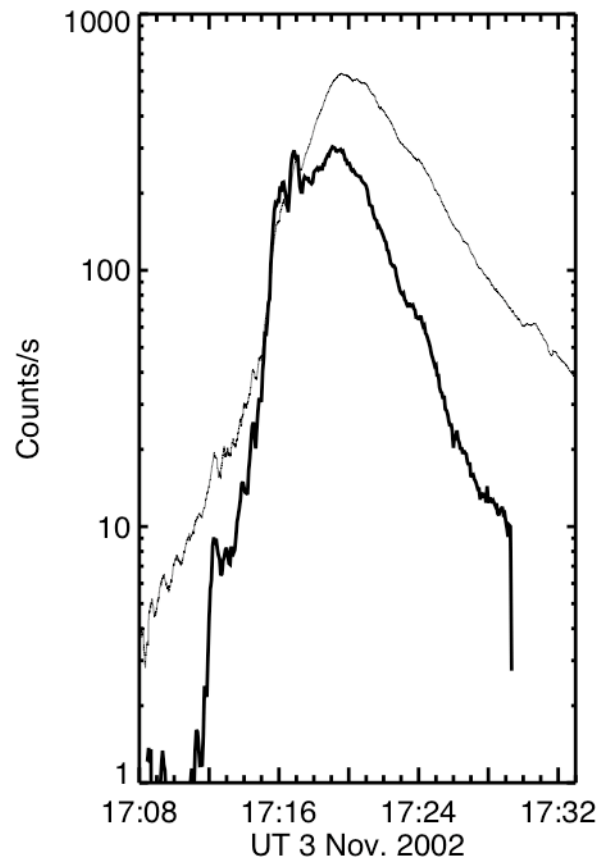


The GRB detector. Note the hemispherical scintillator design, aimed at getting isotropic response.

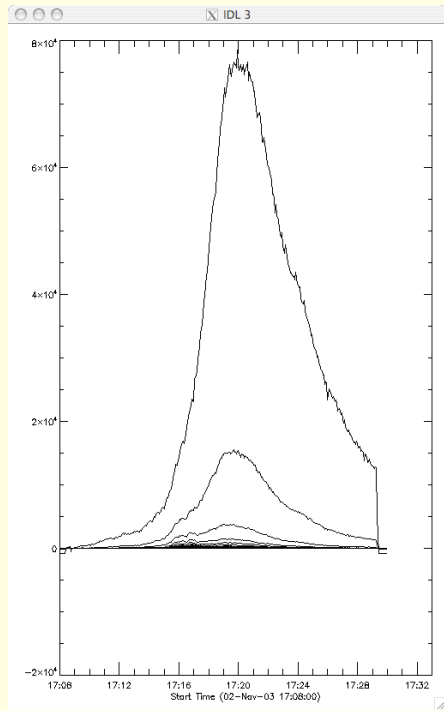
# Model GRB pulse-height distributions, 10-40 MK



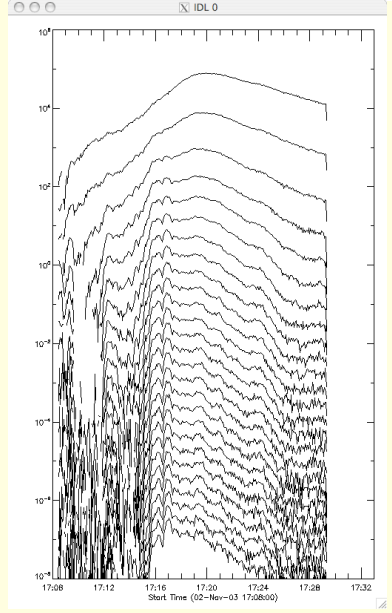
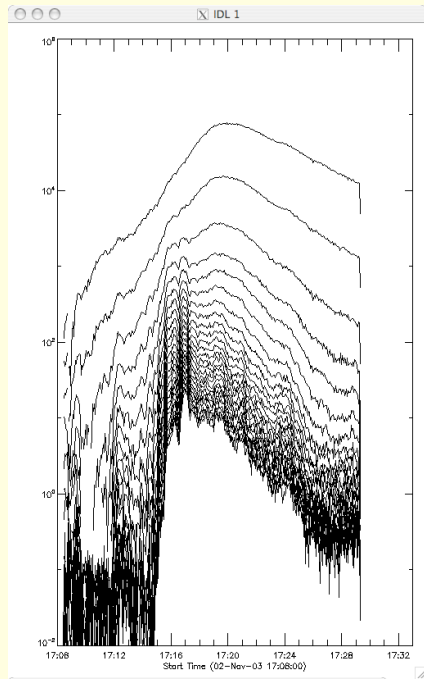
## Comparison for 25-150 keV



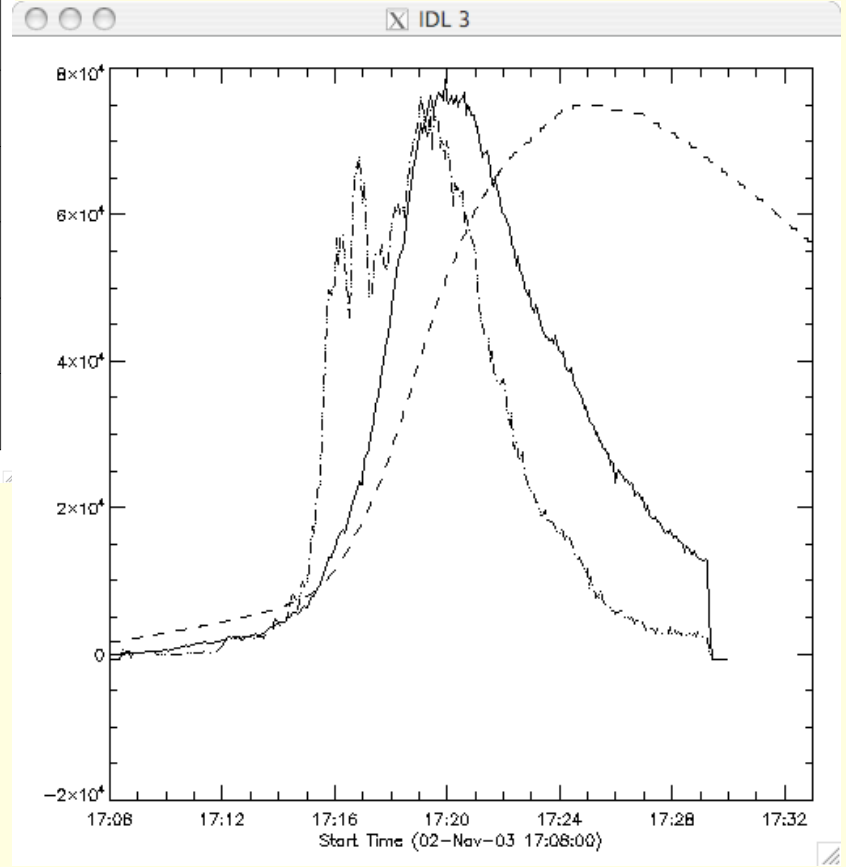
# Linear



# Log



# RHESSI + GOES



# Conclusions

- Ulysses fluxes compare fairly well with RHESSI
- Pileup is not a problem, although thermal feedthrough is
- The calibration of Ulysses resolution may be off a bit