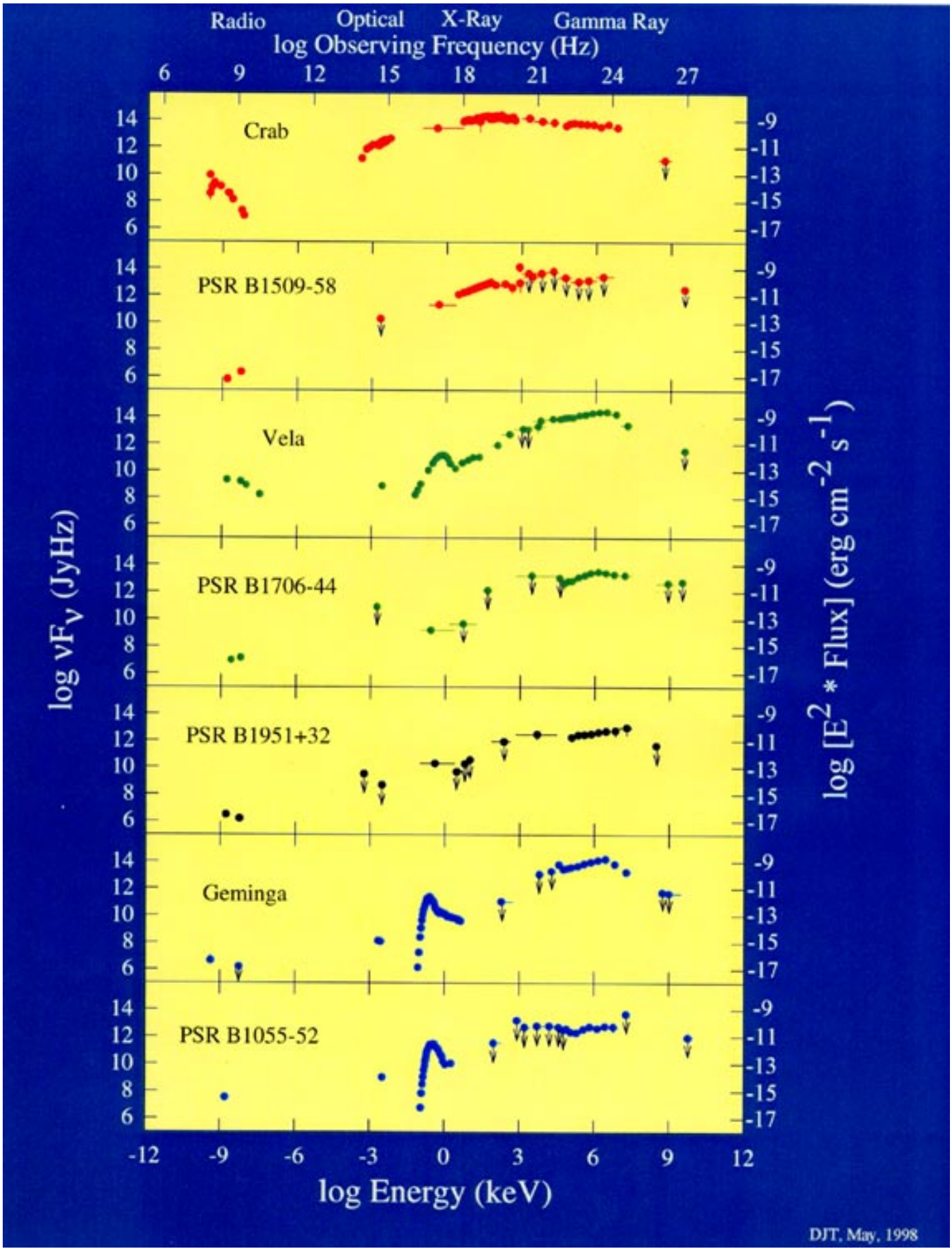
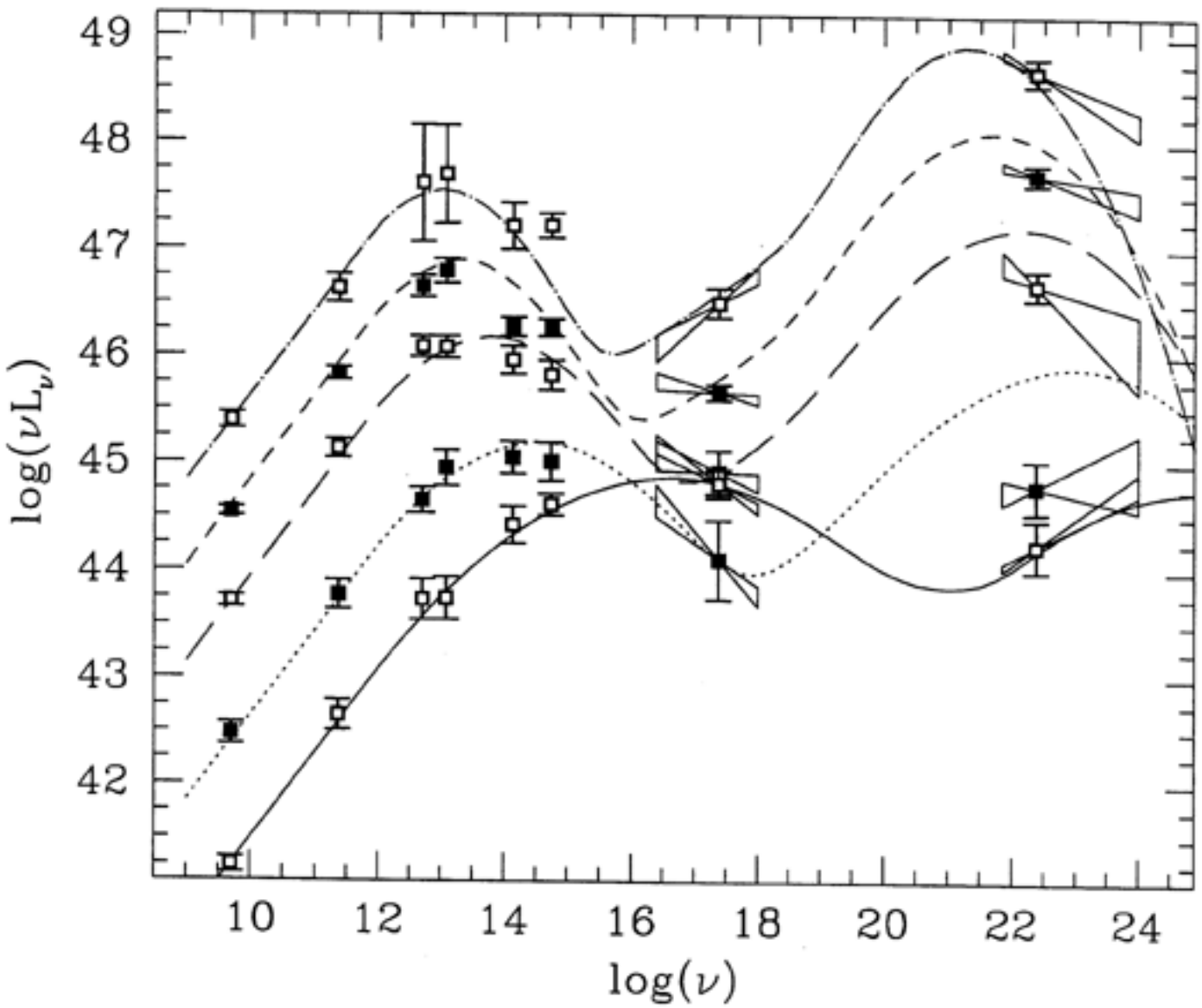
The Importance of Multiwavelength Observations for GLAST

OR

The Importance of GLAST for Multiwavelength Observations


Radio
Optical
X-Ray
Gamma Ray
log Observing Frequency (Hz)
6
9
12
15
18
21
24
27
Crab
PSR B1509-58
Vela
PSR B1706-44
PSR B1951+32
Geminga
PSR B1055-52
log νFν (JyHz)
log [E2 * Flux] (erg cm-2 s-1)
log Energy (keV)
-12
-9
-6
-3
0
3
6
9
12
DJT, May, 1998


49
48
47
46
45
44
43
42
log(νL_ν)
10
12
14
16
18
20
22
24
log(ν)

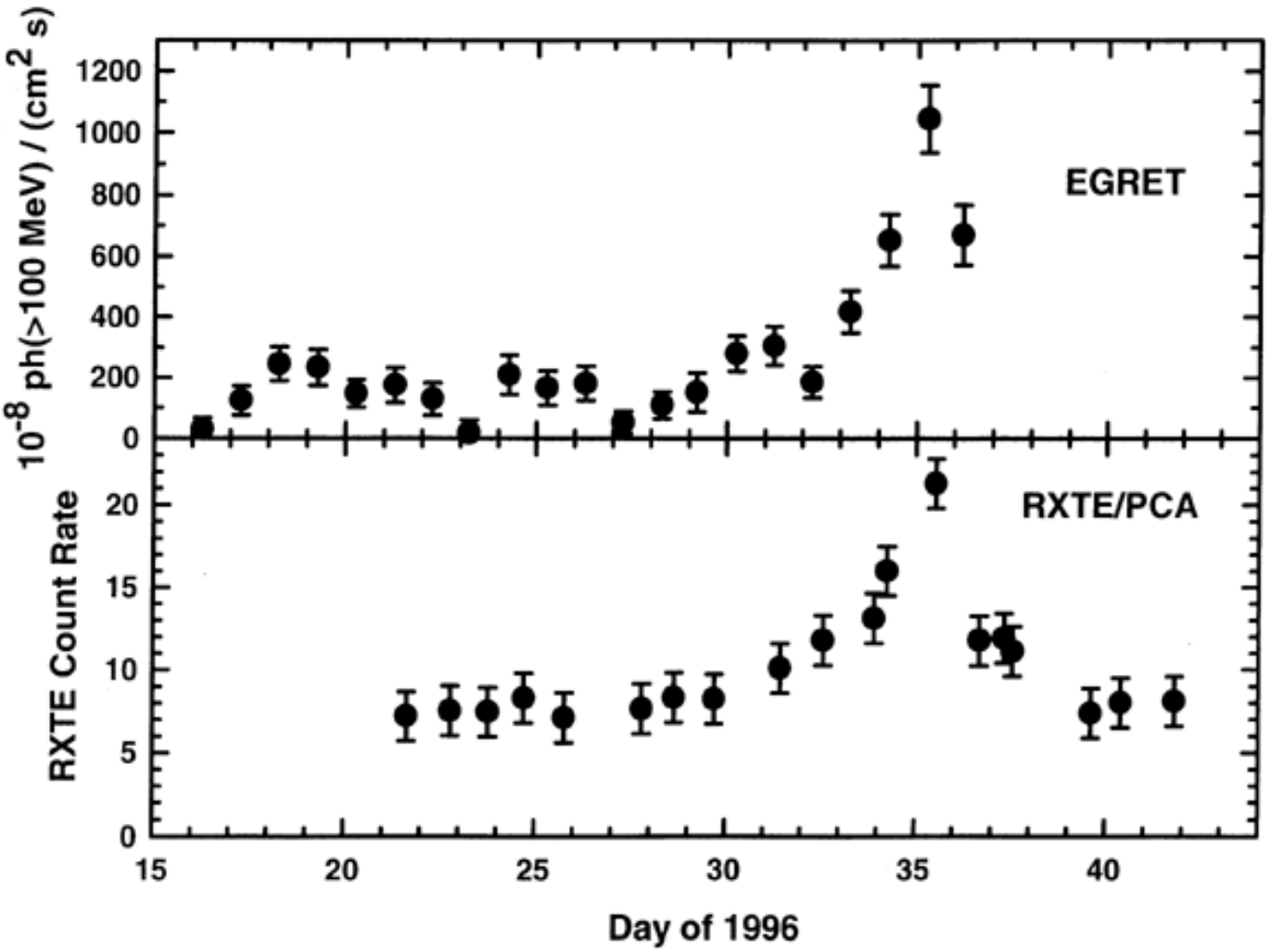
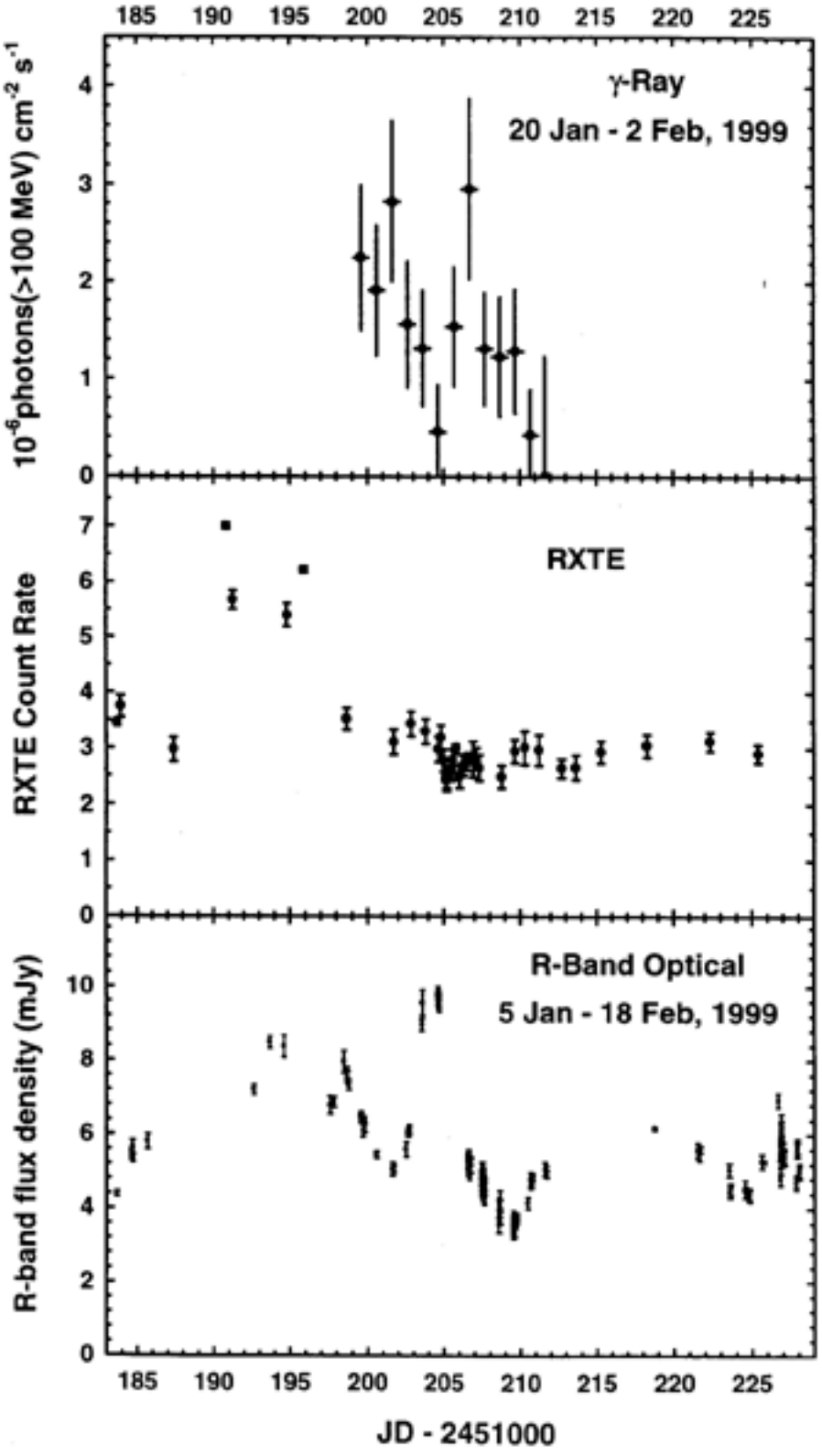
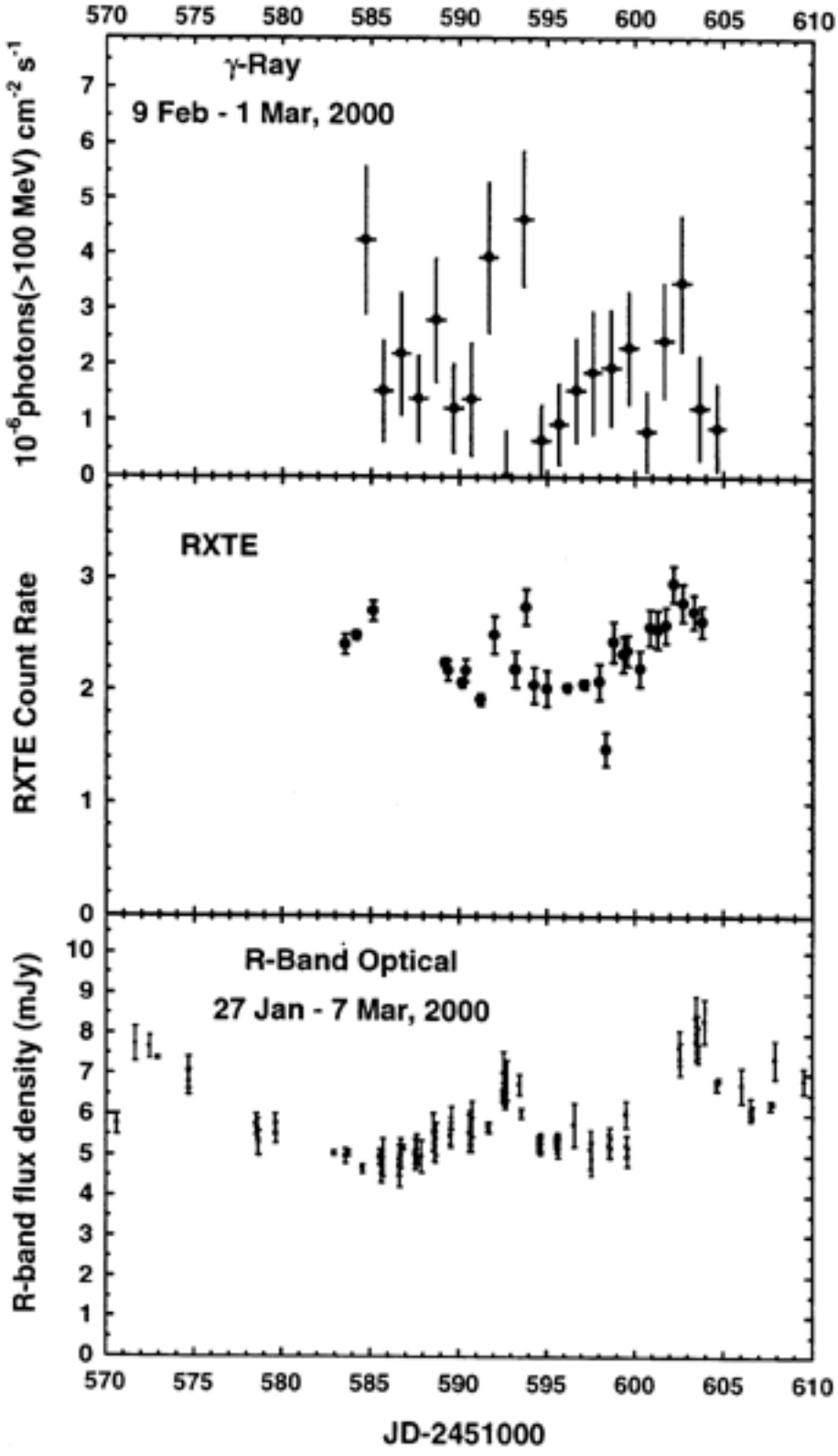


Figure 3 - Light curves for γ-rays and X-rays in 1996


γ-Ray
20 Jan - 2 Feb, 1999
10^{-6}photons(>100 MeV) cm^{-2} s^{-1}
RXTE
RXTE Count Rate
R-Band Optical
5 Jan - 18 Feb, 1999
R-band flux density (mJy)
JD - 2451000


γ-Ray
9 Feb - 1 Mar, 2000
10^{-6}photons(>100 MeV) cm^{-2} s^{-1}
RXTE
RXTE Count Rate
R-Band Optical
27 Jan - 7 Mar, 2000
R-band flux density (mJy)
JD-2451000