

Konus-*WIND* candidates for short gamma-ray bursts with extended emission (figures)

Left panels of figures 1–30 show the initial pulse of the bursts, vertical dashed lines denote the emission start ($T_{\text{start,IP}}$) and end ($T_{\text{end,IP}}$) times, relative to the trigger time T_0 , calculated in the G2+G3 energy range. Right panels show the waiting mode data, vertical dashed lines denote the extended emission start ($T_{\text{start,EE}}$) and end ($T_{\text{end,EE}}$) times calculated in the G2 or G1+G2 energy range.

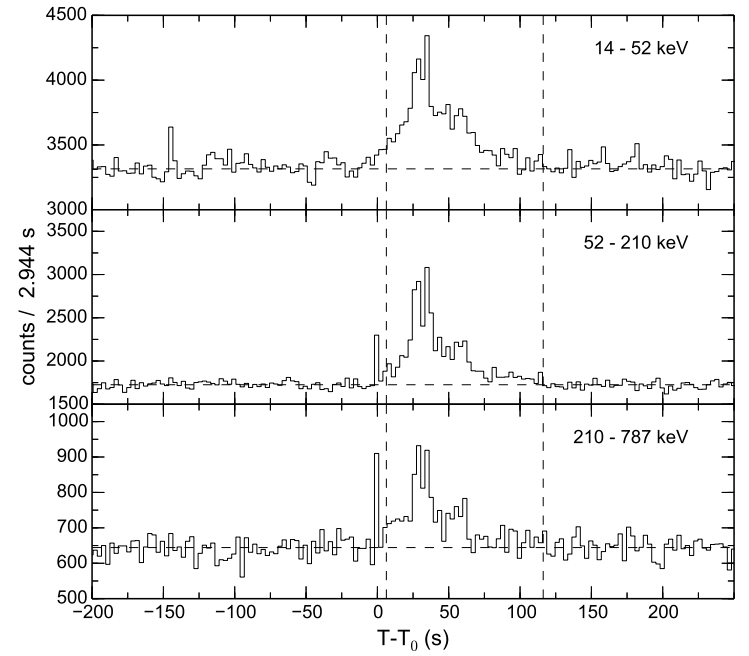
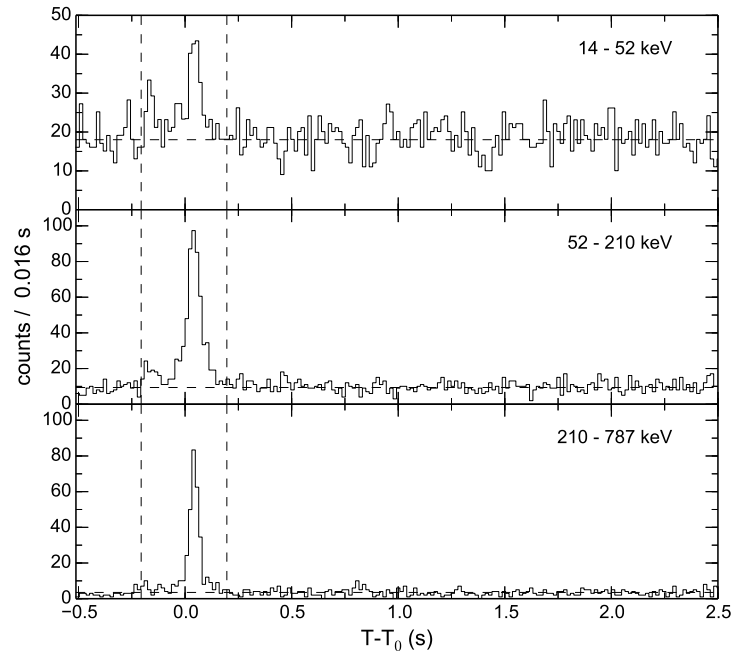
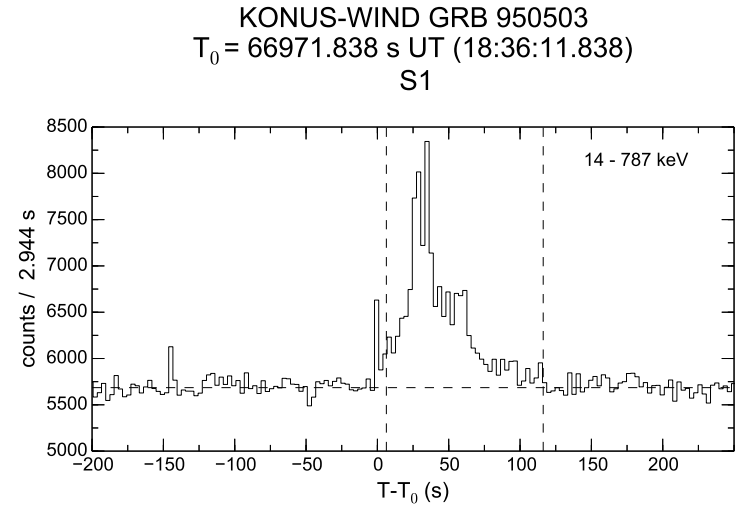
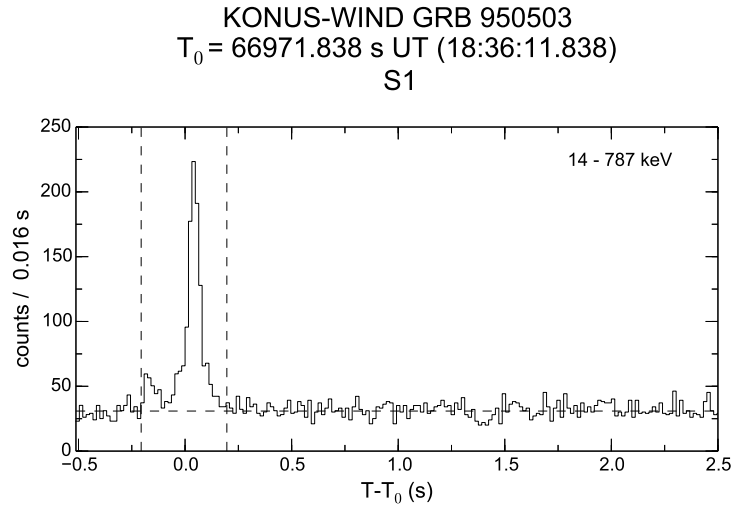


Fig. 1: GRB19950503_T66971 (initial pulse $T_{\text{start,IP}} = -0.206$ s, $T_{\text{end,IP}} = 0.196$ s; extended emission $T_{\text{start,EE}} = 6.288$ s, $T_{\text{end,EE}} = 116.224$ s)

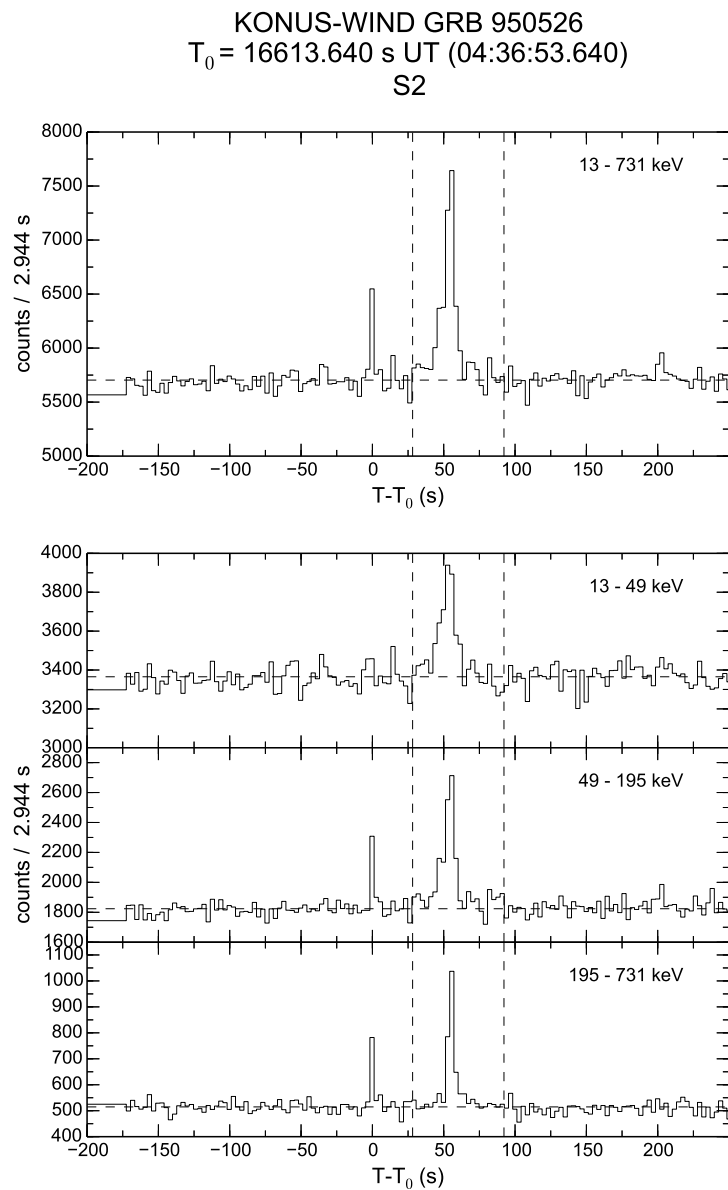
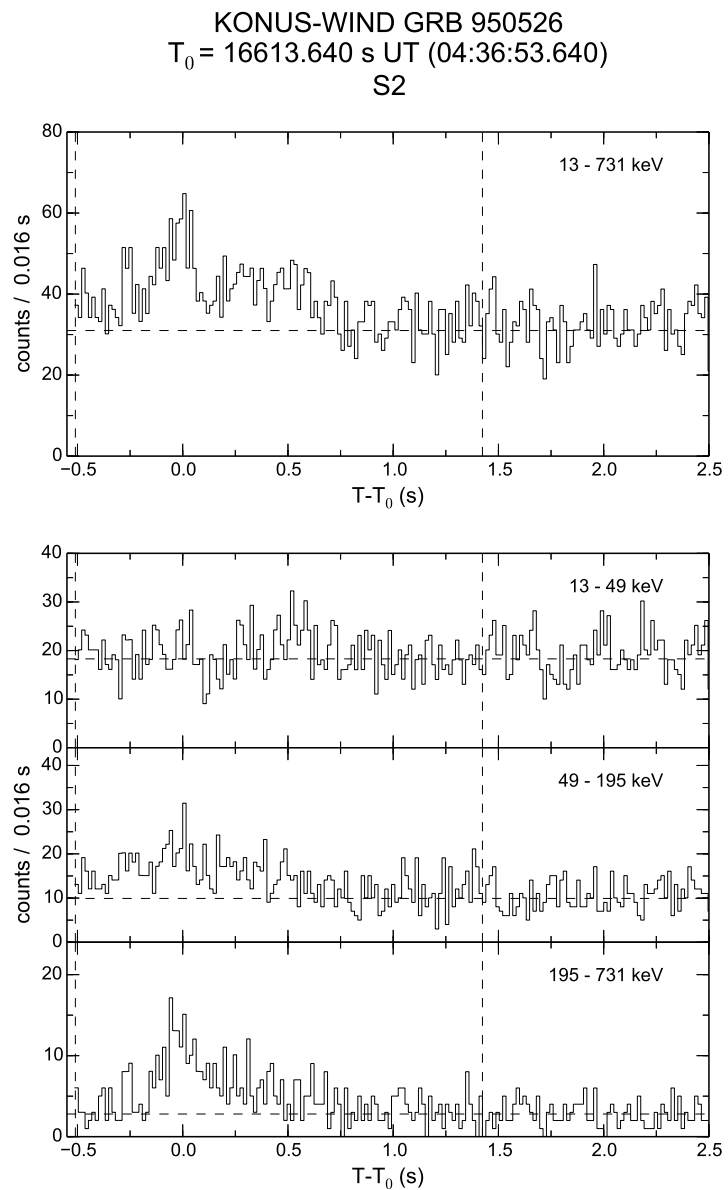


Fig. 2: GRB19950526_T16613 (initial pulse $T_{\text{start,IP}} = -0.51$ s, $T_{\text{end,IP}} = 1.424$ s; extended emission $T_{\text{start,EE}} = 28.192$ s, $T_{\text{end,EE}} = 92.224$ s)

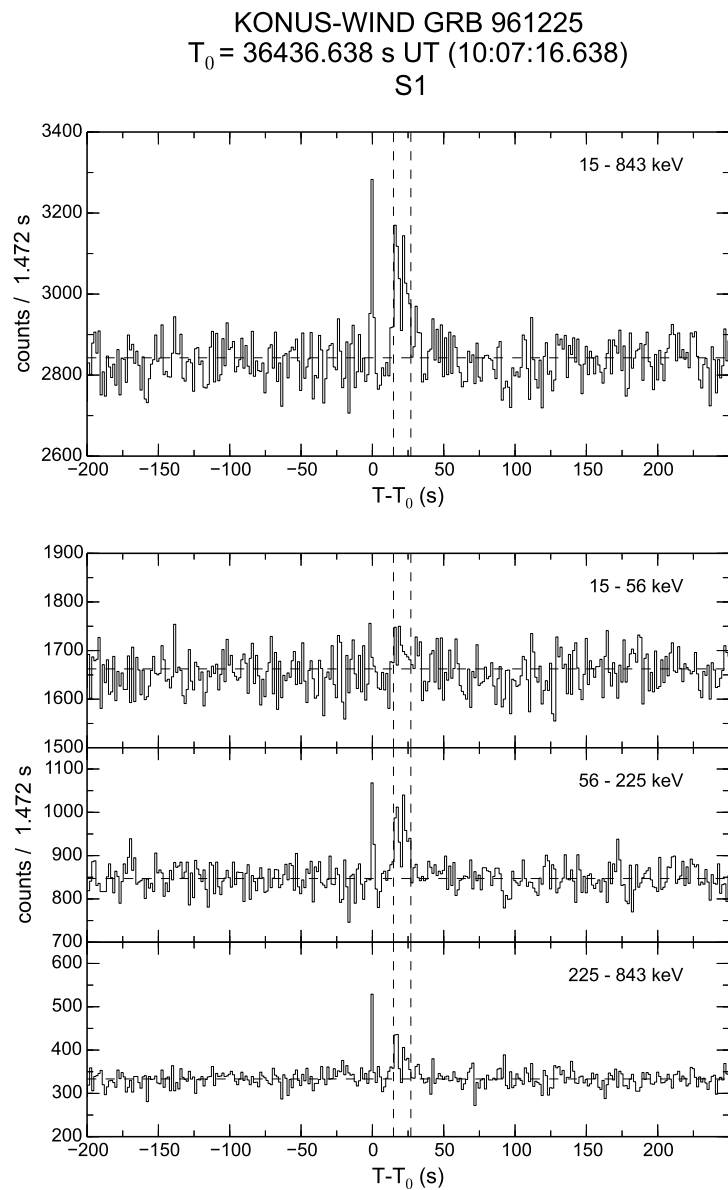
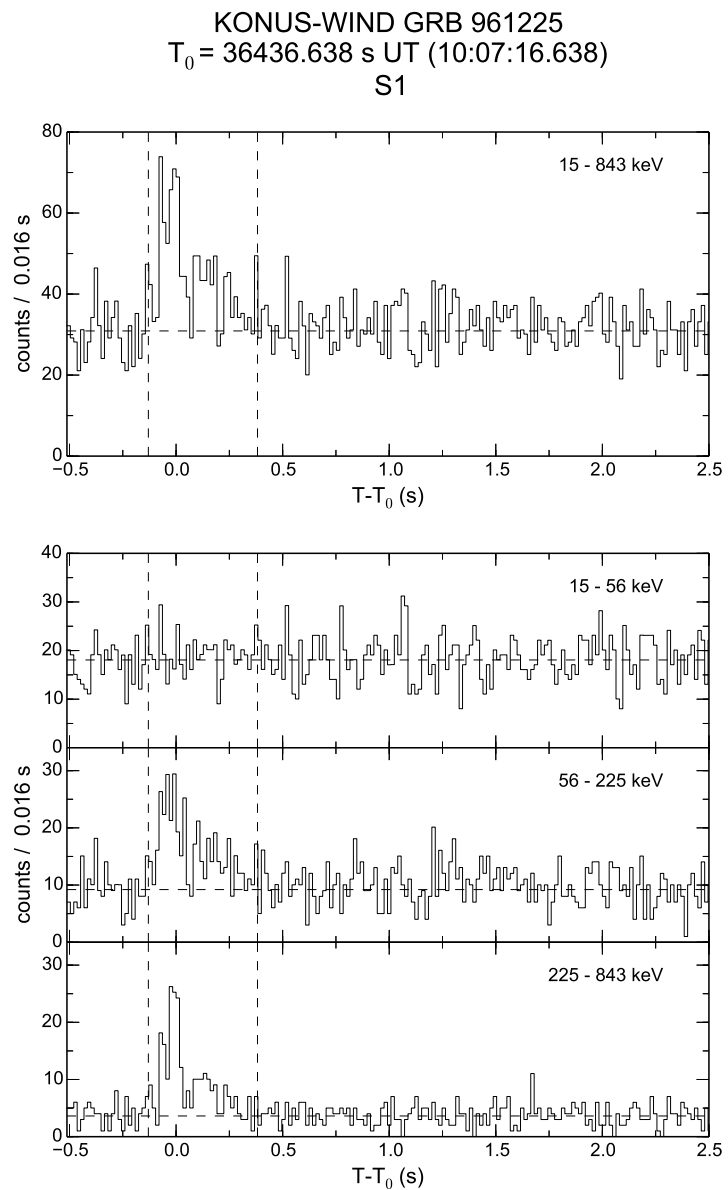


Fig. 3: GRB19961225_T36436 (initial pulse $T_{\text{start,IP}} = -0.13$ s, $T_{\text{end,IP}} = 0.382$ s; extended emission $T_{\text{start,EE}} = 14.784$ s, $T_{\text{end,EE}} = 26.96$ s)

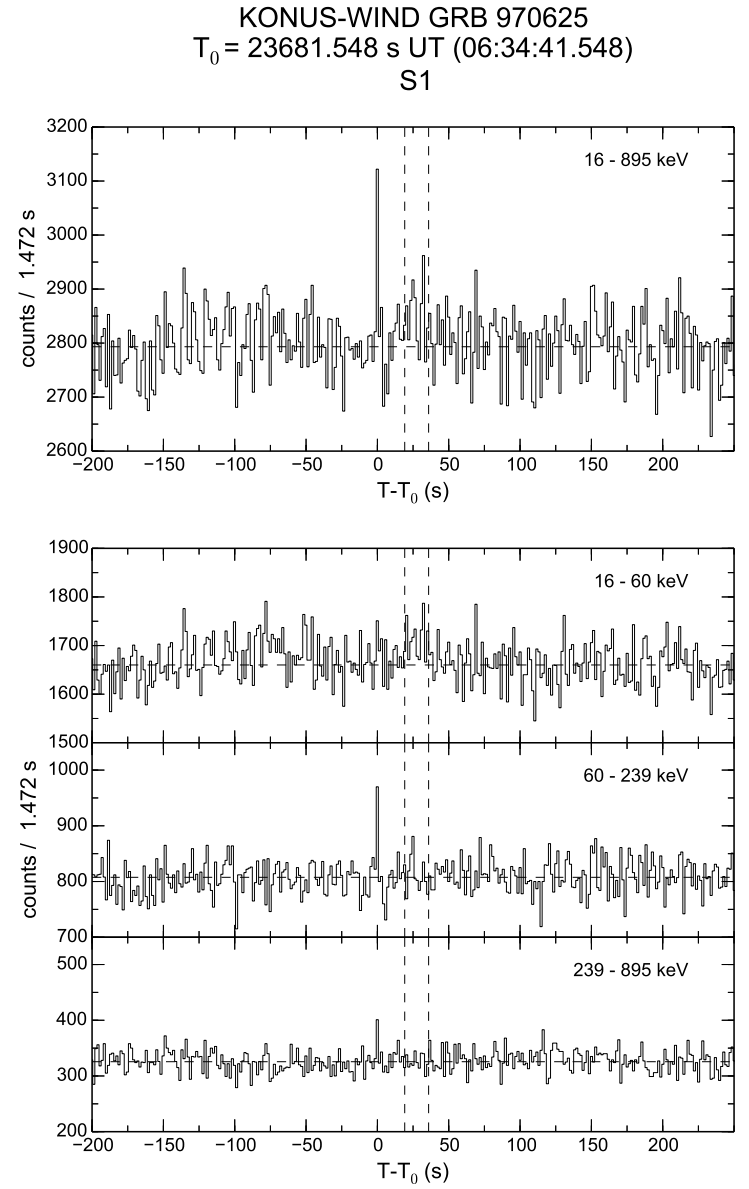
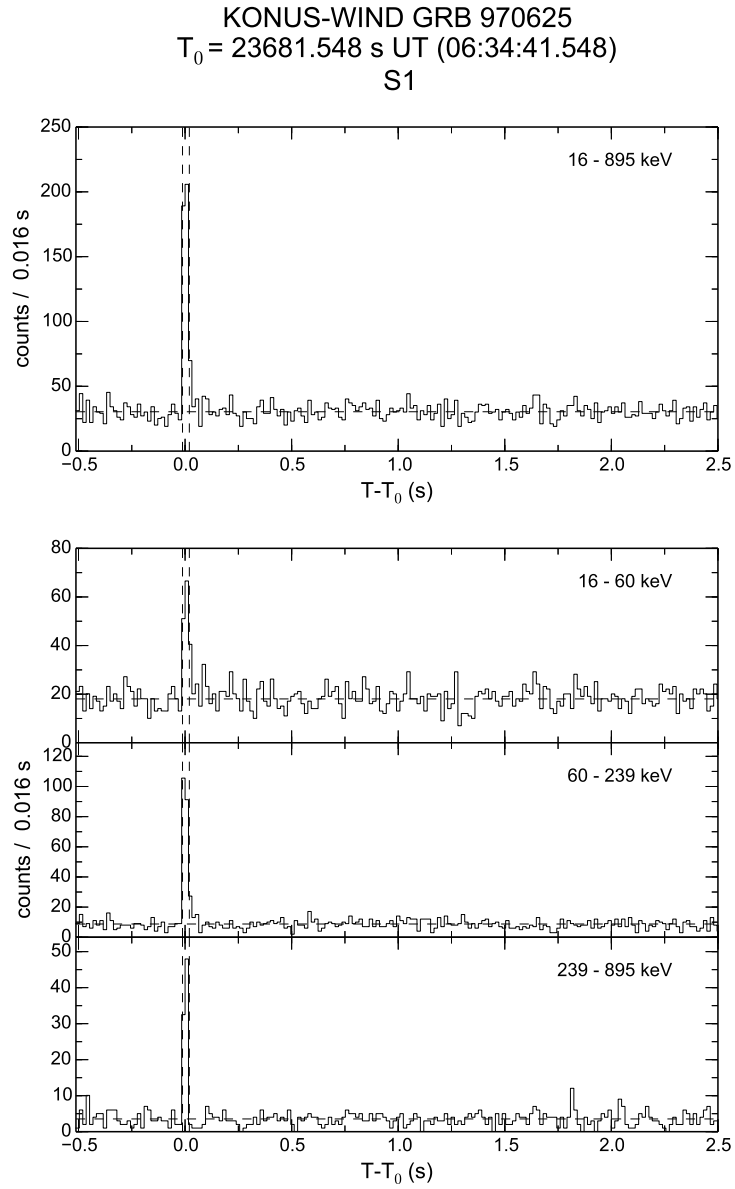


Fig. 4: GRB19970625_T23681 (initial pulse $T_{\text{start,IP}} = -0.012$ s, $T_{\text{end,IP}} = 0.02$ s; extended emission $T_{\text{start,EE}} = 19.152$ s, $T_{\text{end,EE}} = 35.904$ s)

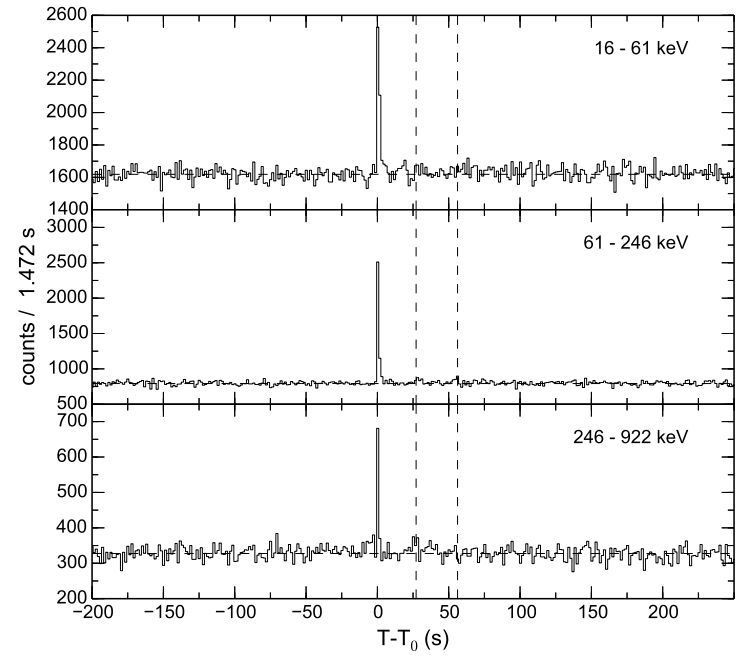
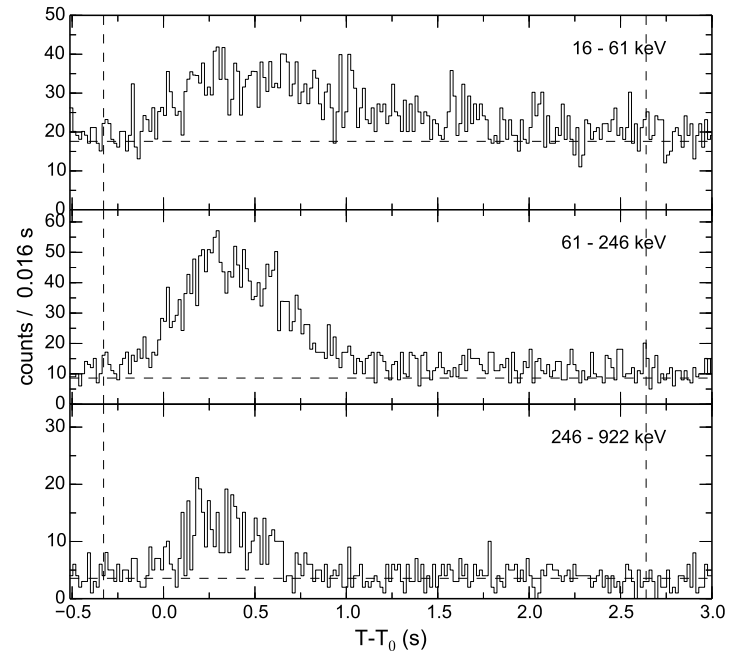
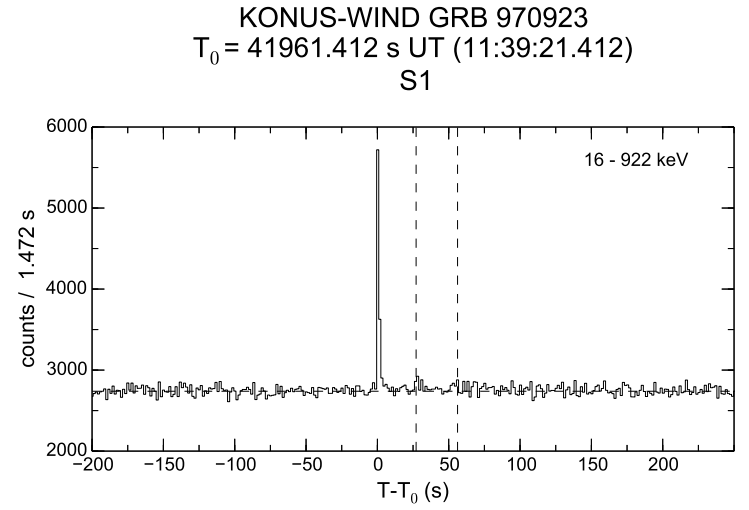
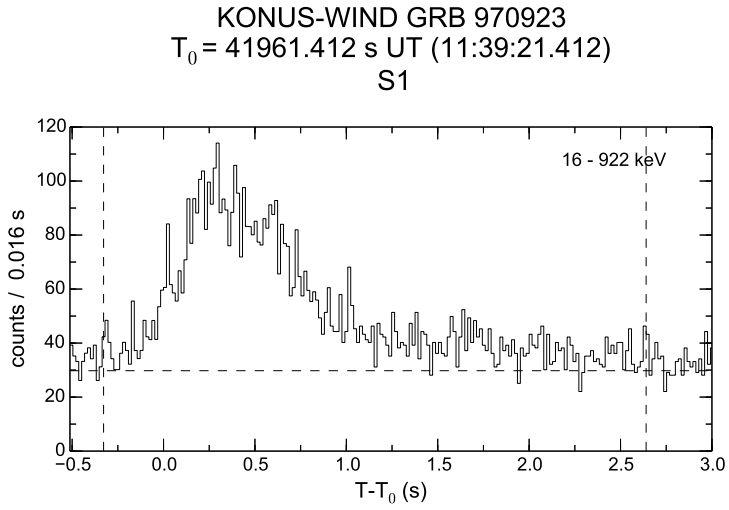


Fig. 5: GRB19970923_T41961 (initial pulse $T_{\text{start,IP}} = -0.328$ s, $T_{\text{end,IP}} = 2.640$ s; extended emission $T_{\text{start,EE}} = 27.136$ s, $T_{\text{end,EE}} = 56.192$ s)

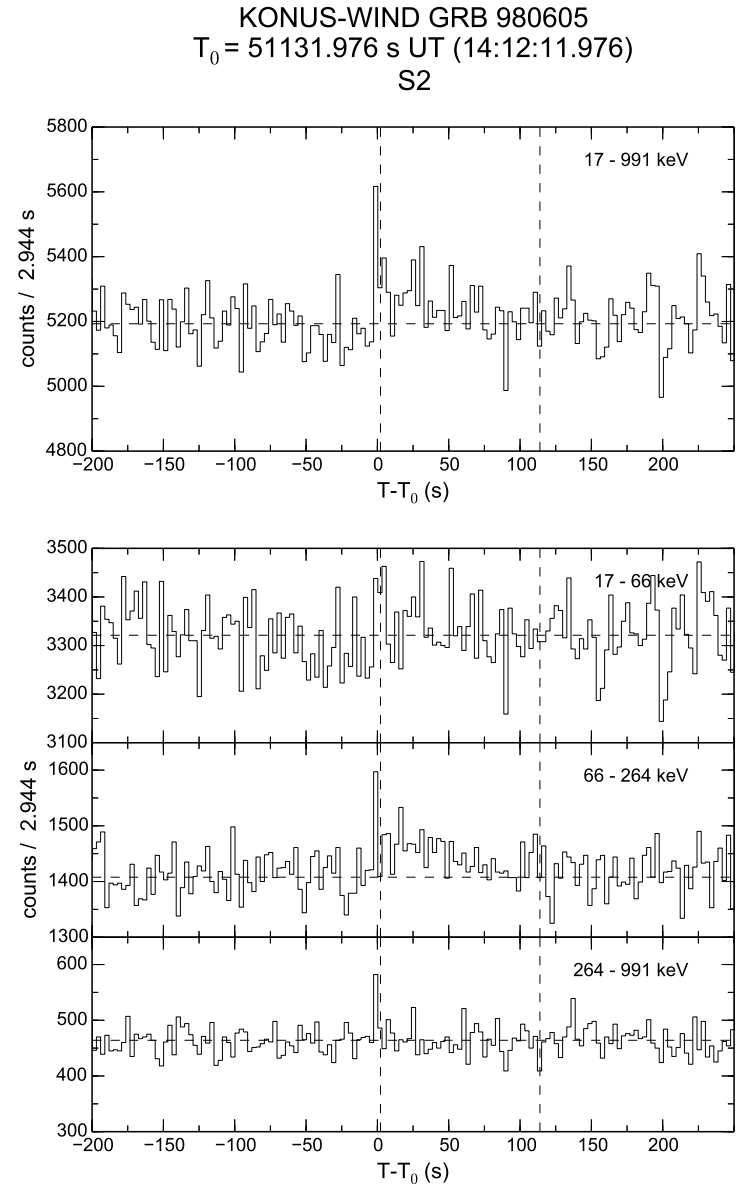
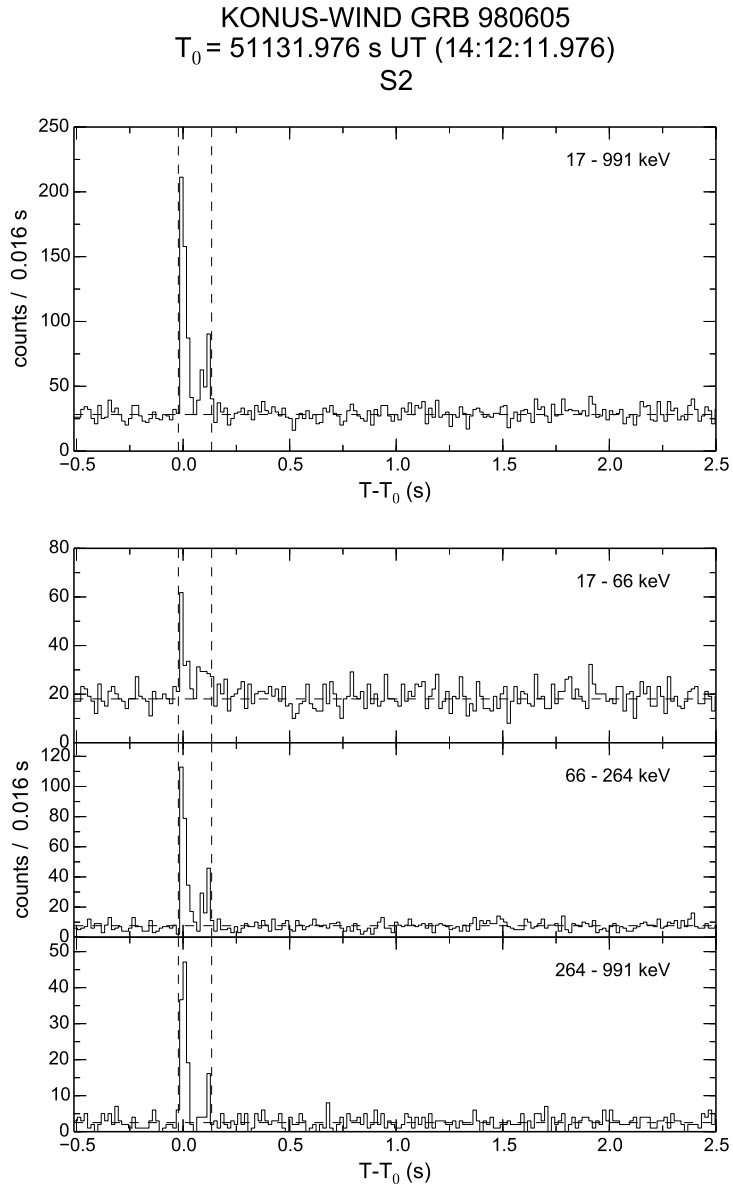


Fig. 6: GRB19980605_T51131 (initial pulse $T_{\text{start,IP}} = -0.022$ s, $T_{\text{end,IP}} = 0.134$ s; extended emission $T_{\text{start,EE}} = 2.16$ s, $T_{\text{end,EE}} = 113.92$ s)

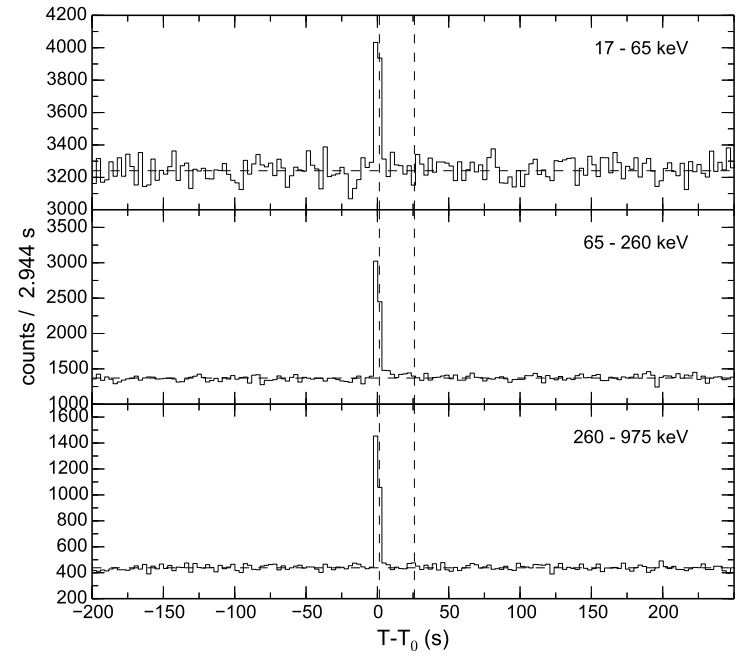
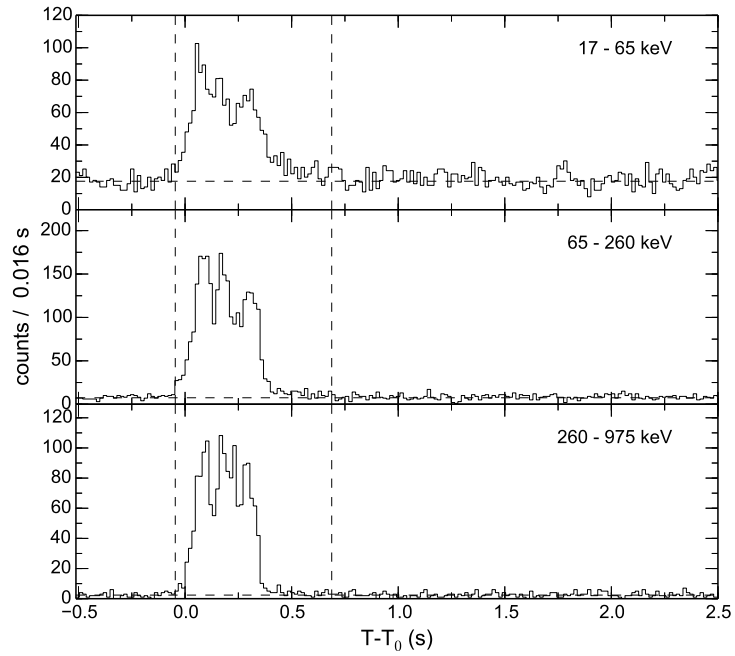
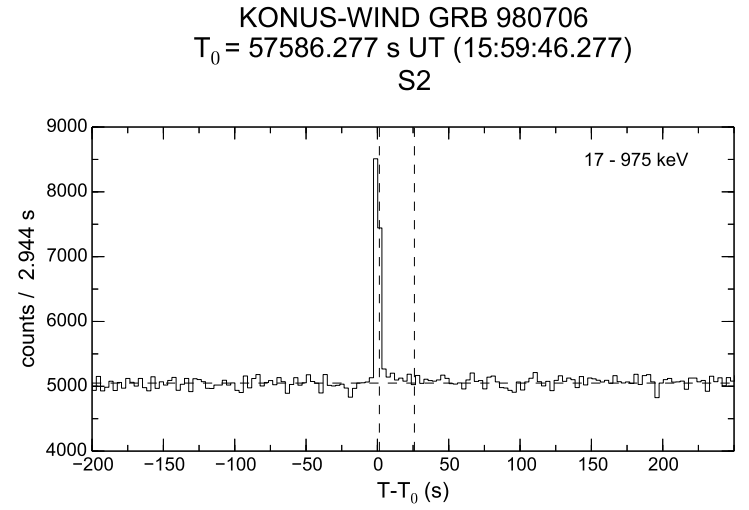
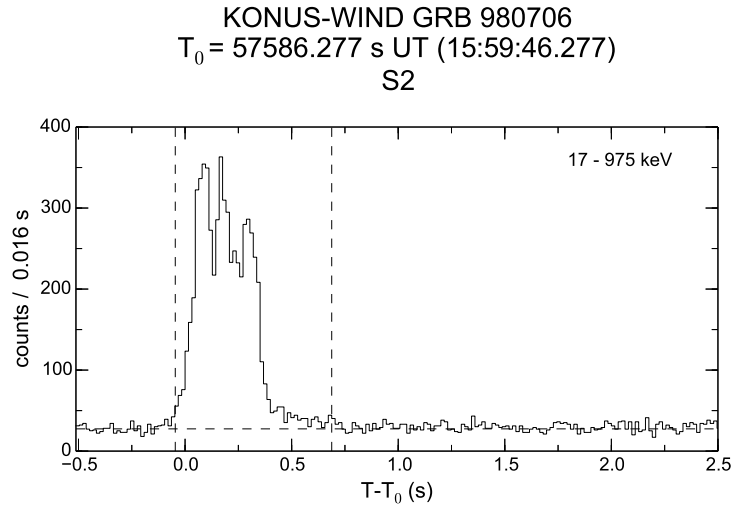


Fig. 7: GRB19980706_T57586 (initial pulse $T_{\text{start,IP}} = -0.046$ s, $T_{\text{end,IP}} = 0.688$ s; extended emission $T_{\text{start,EE}} = 1.392$ s, $T_{\text{end,EE}} = 25.952$ s)

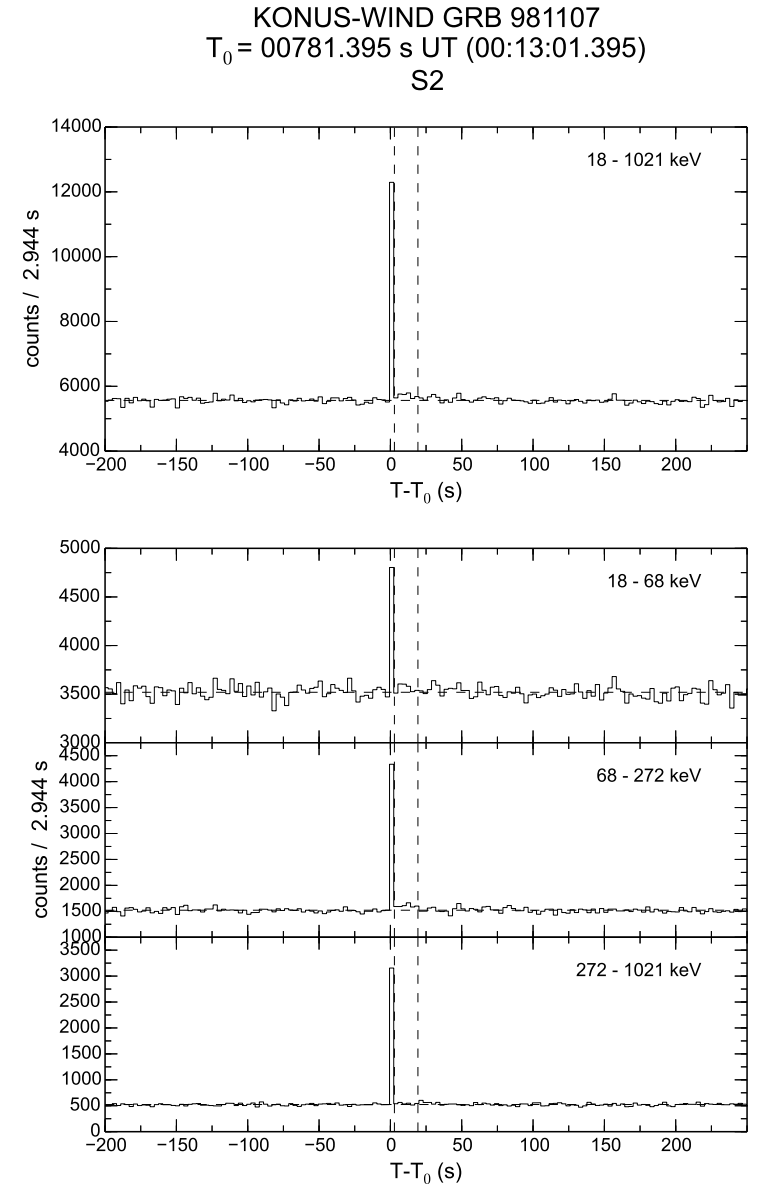
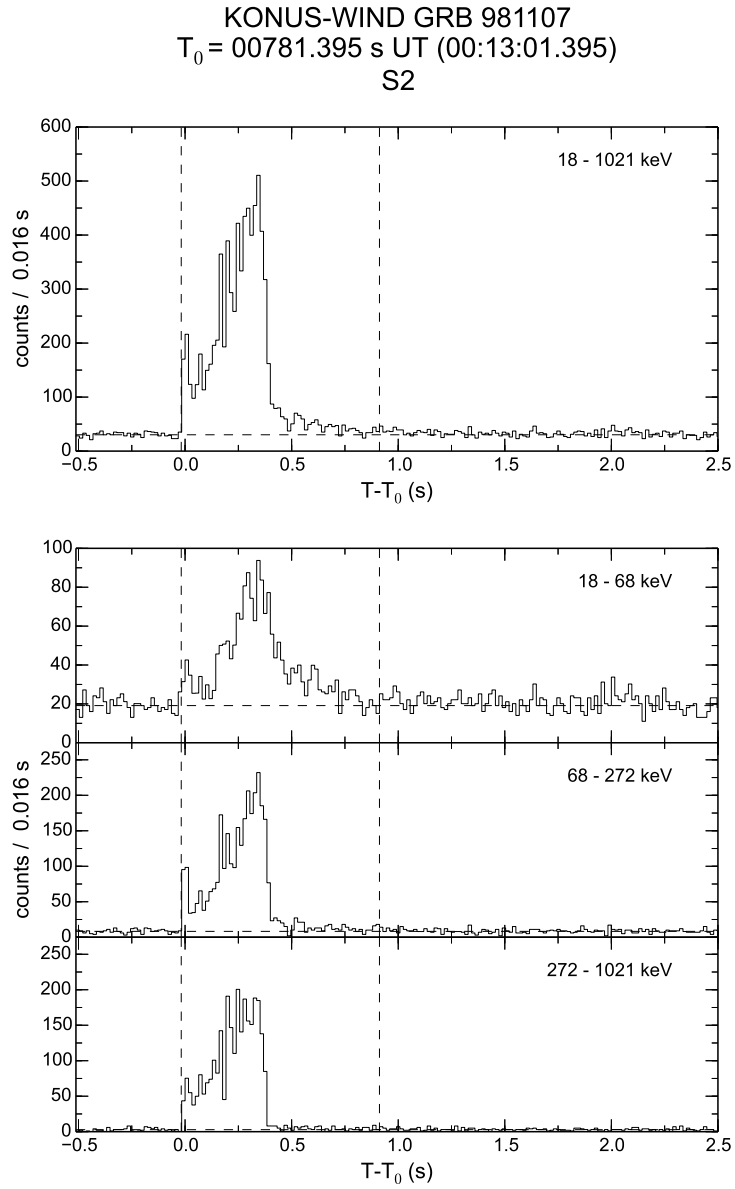


Fig. 8: GRB1981107_T00781 (initial pulse $T_{\text{start,IP}} = -0.018$ s, $T_{\text{end,IP}} = 0.912$ s; extended emission $T_{\text{start,EE}} = 2.816$ s, $T_{\text{end,EE}} = 19.296$ s)

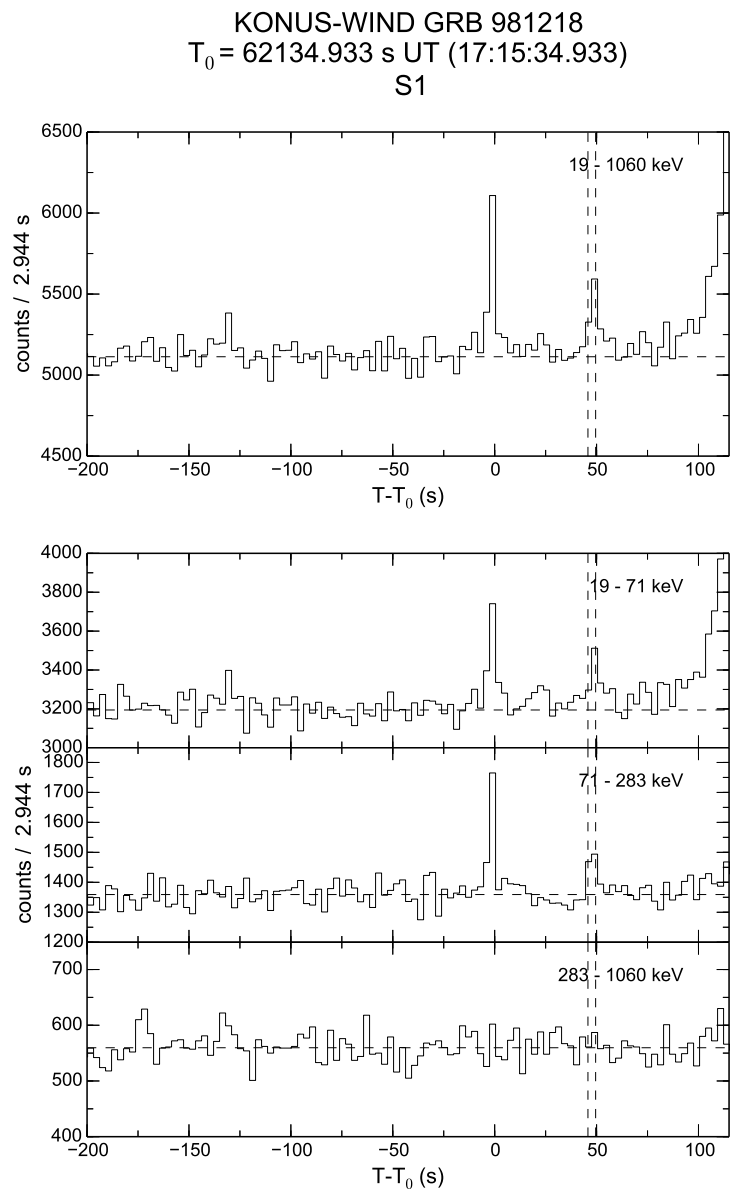
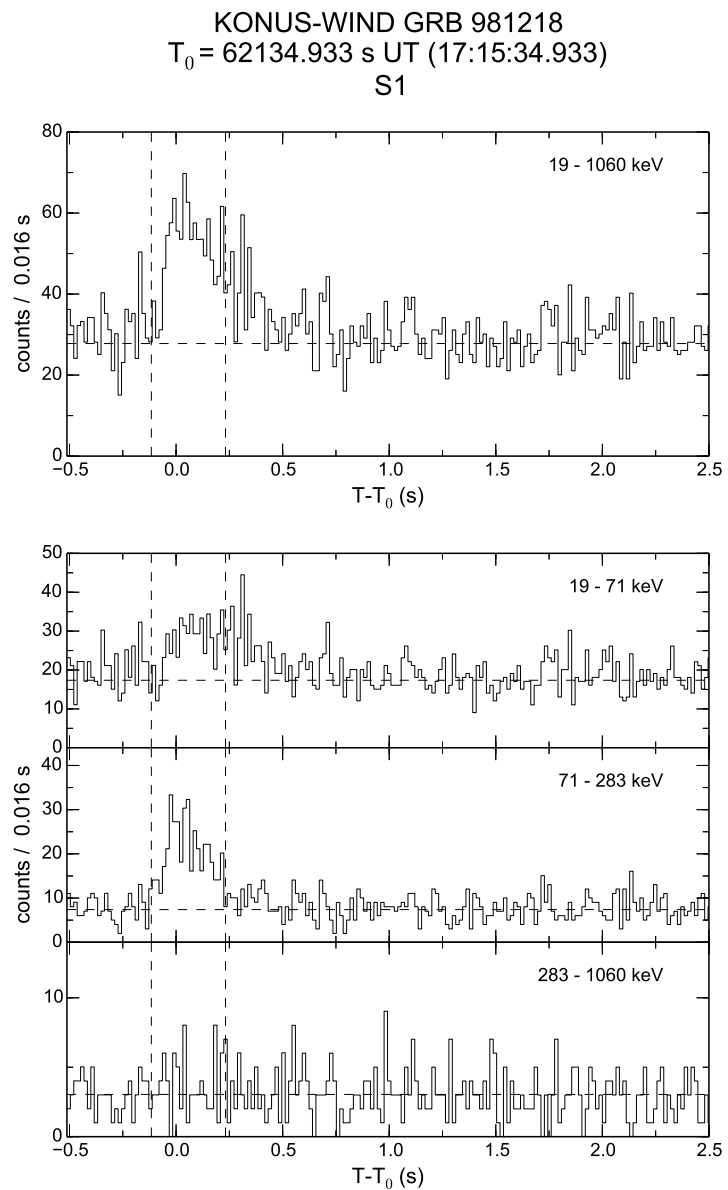


Fig. 9: GRB19981218_T62134 (initial pulse $T_{\text{start,IP}} = -0.116$ s, $T_{\text{end,IP}} = 0.232$ s; extended emission $T_{\text{start,EE}} = 45.76$ s, $T_{\text{end,EE}} = 49.536$ s)

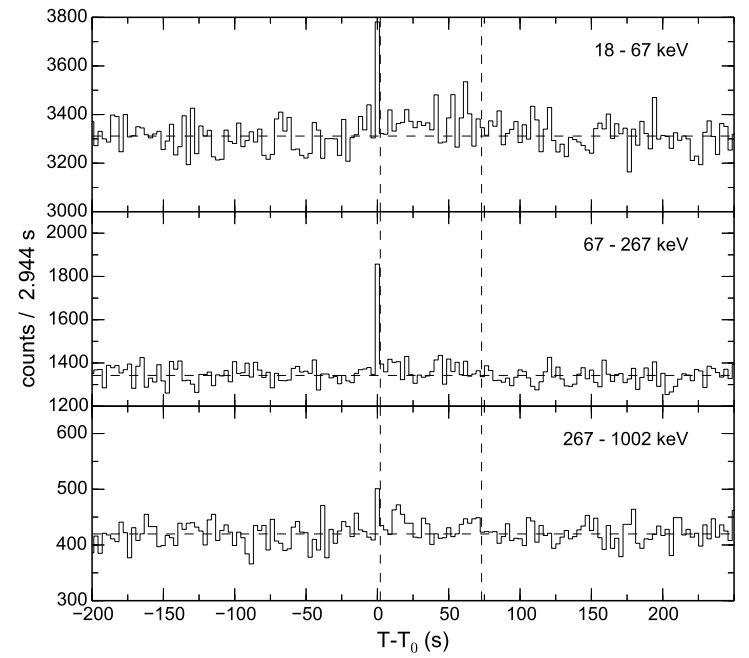
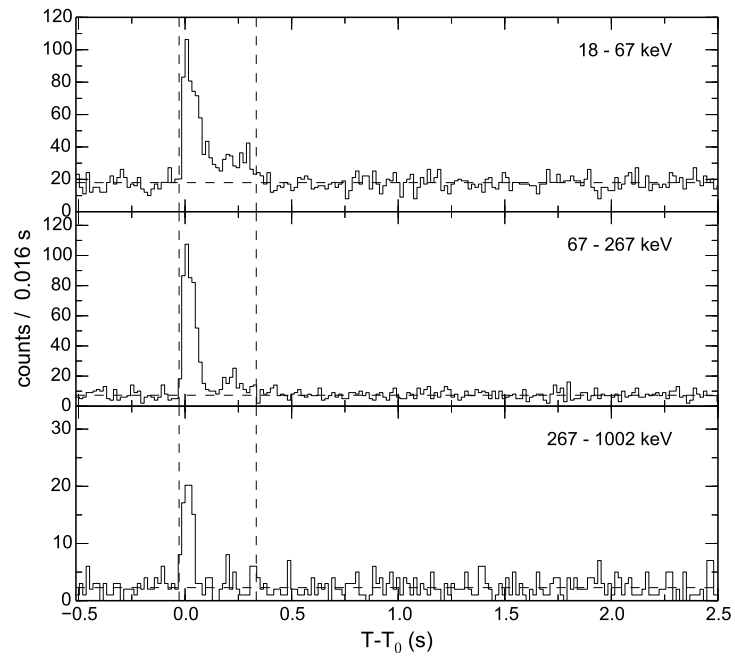
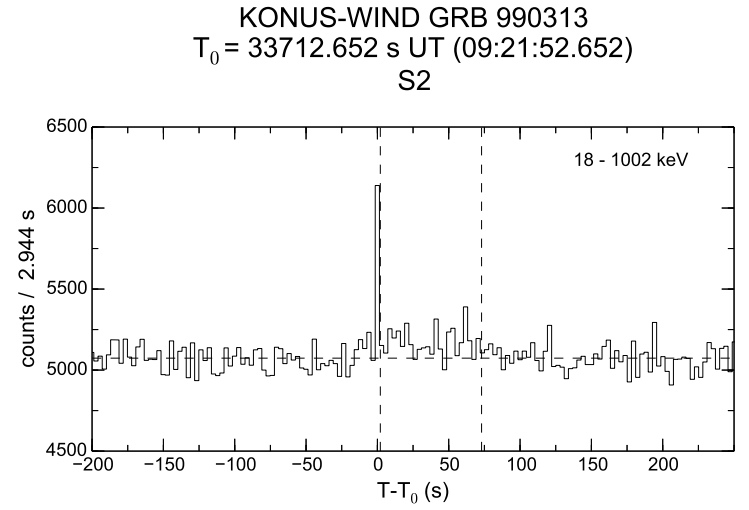
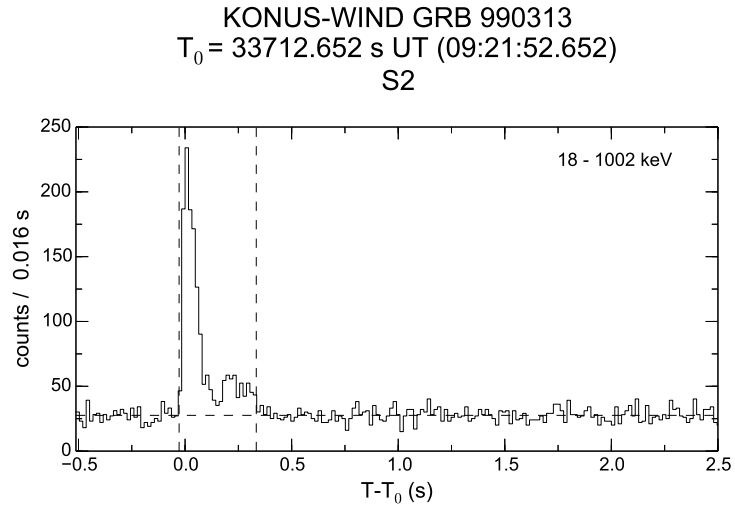


Fig. 10: GRB19990313_T33712 (initial pulse $T_{\text{start,IP}} = -0.028$ s, $T_{\text{end,IP}} = 0.334$ s; extended emission $T_{\text{start,EE}} = 2.048$ s, $T_{\text{end,EE}} = 73.024$ s)

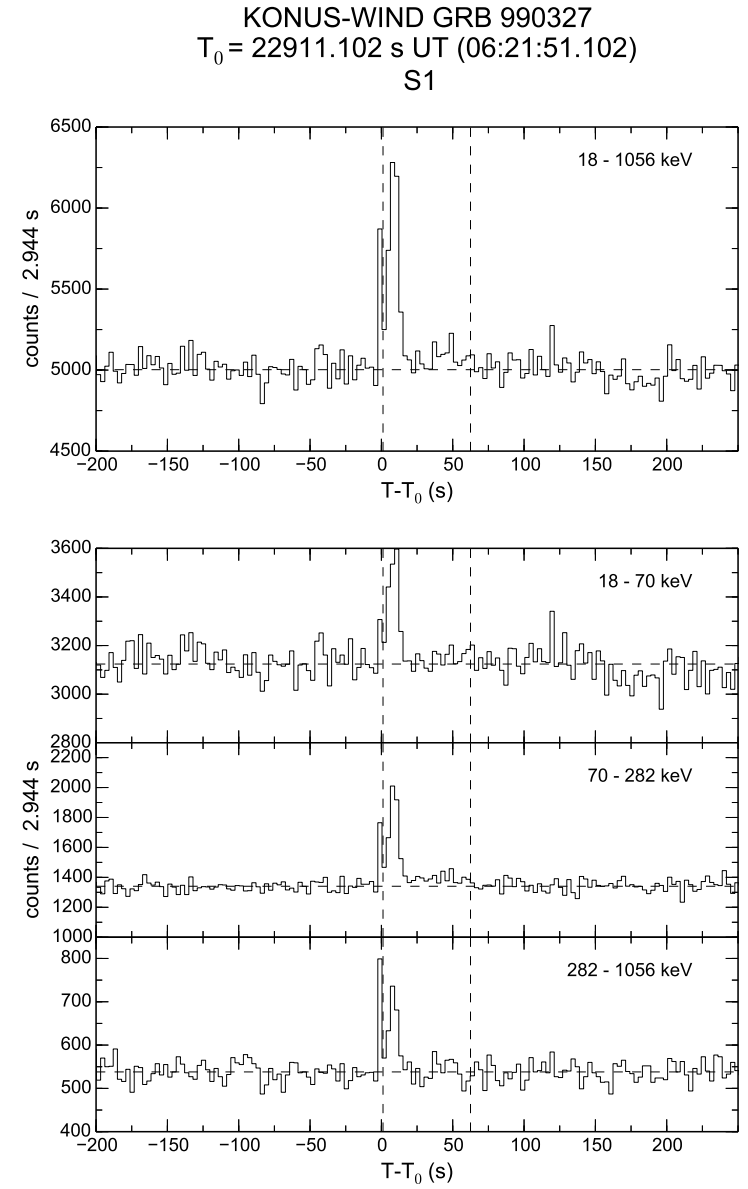
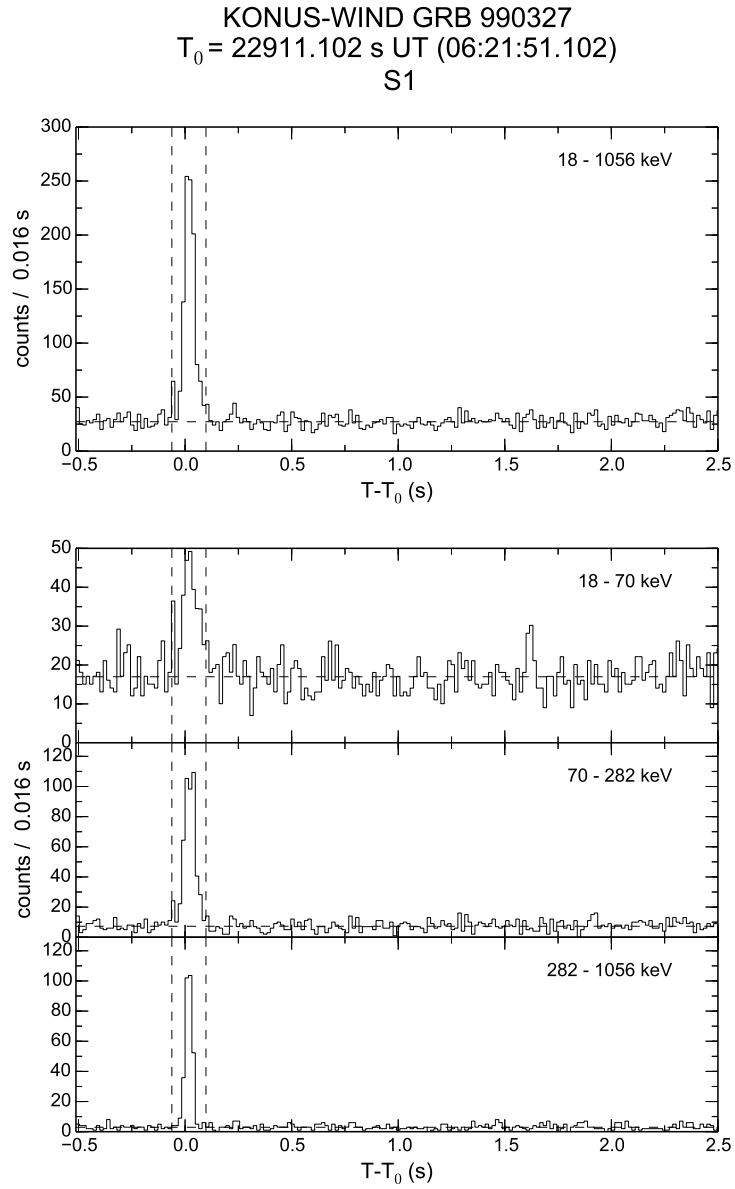


Fig. 11: GRB19990327_T22911 (initial pulse $T_{\text{start,IP}} = -0.062$ s, $T_{\text{end,IP}} = 0.098$ s; extended emission $T_{\text{start,EE}} = 1.136$ s, $T_{\text{end,EE}} = 62.464$ s)

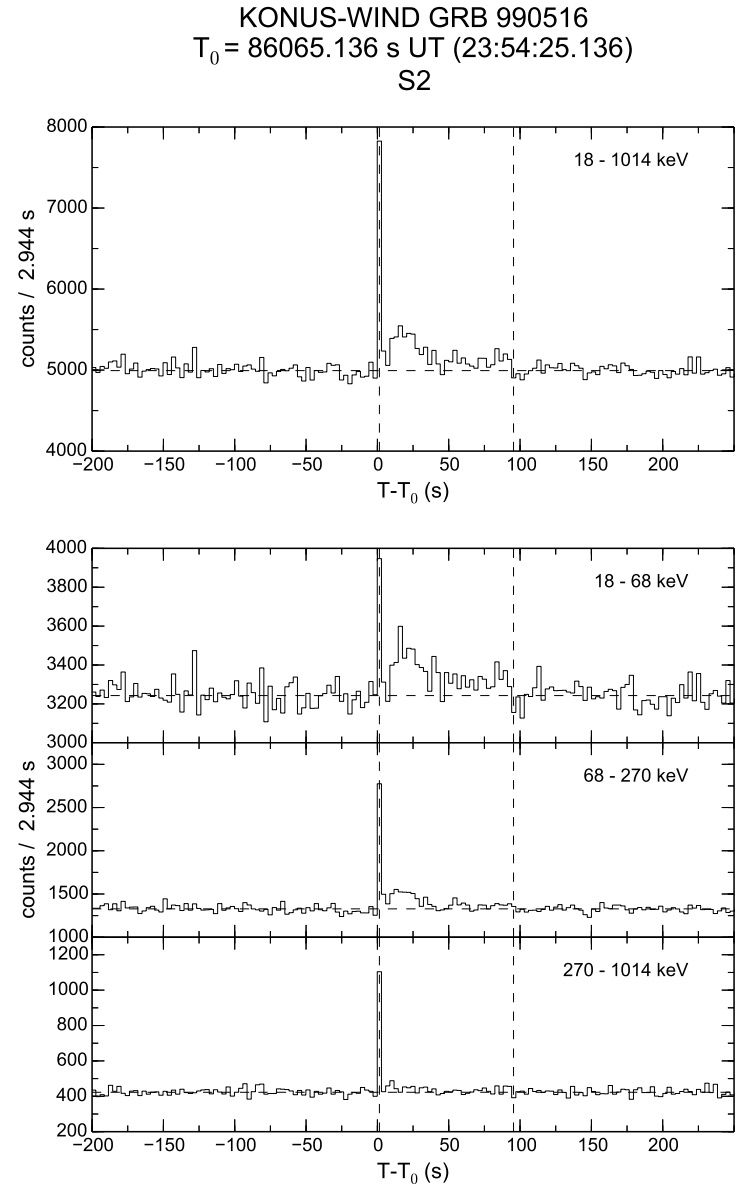
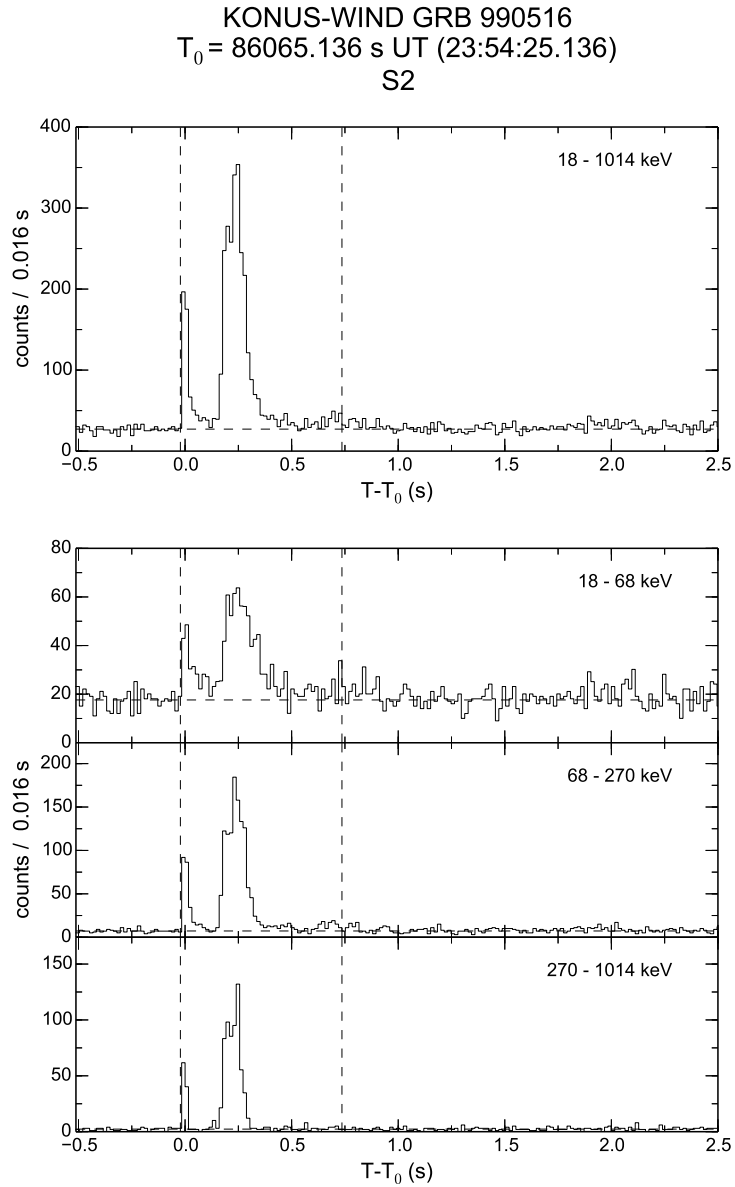


Fig. 12: GRB19990516_T86065 (initial pulse $T_{\text{start,IP}} = -0.022$ s, $T_{\text{end,IP}} = 0.736$ s; extended emission $T_{\text{start,EE}} = 1.408$ s, $T_{\text{end,EE}} = 95.424$ s)

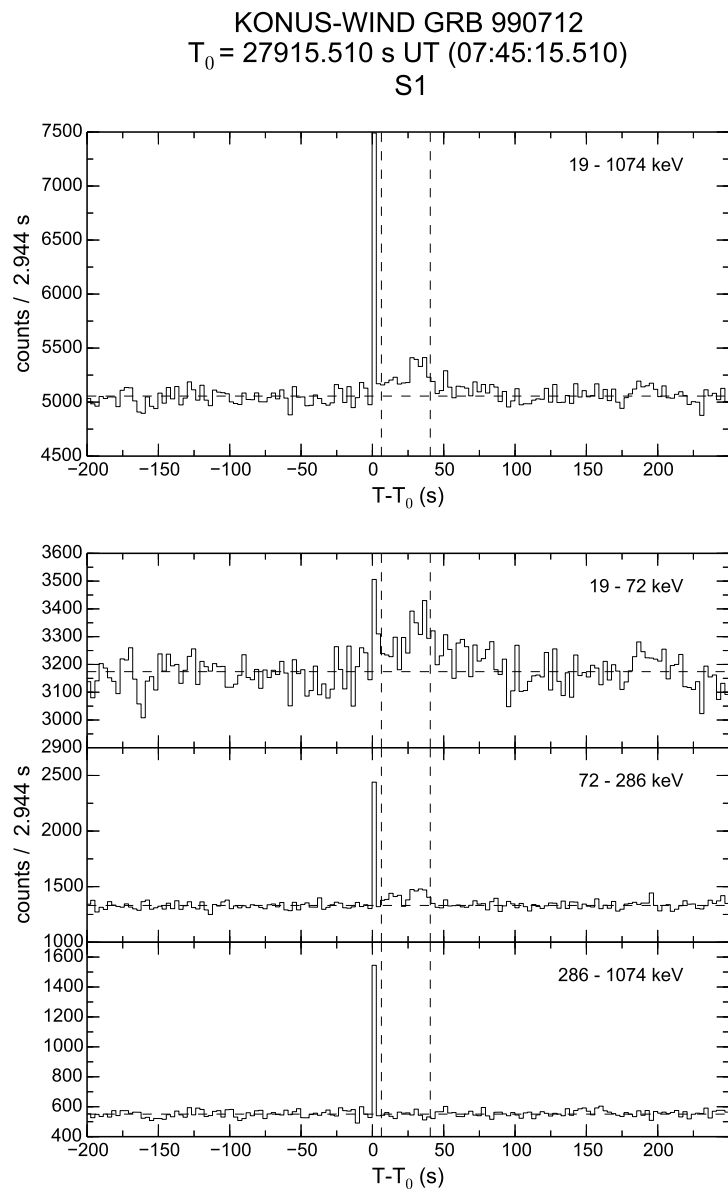
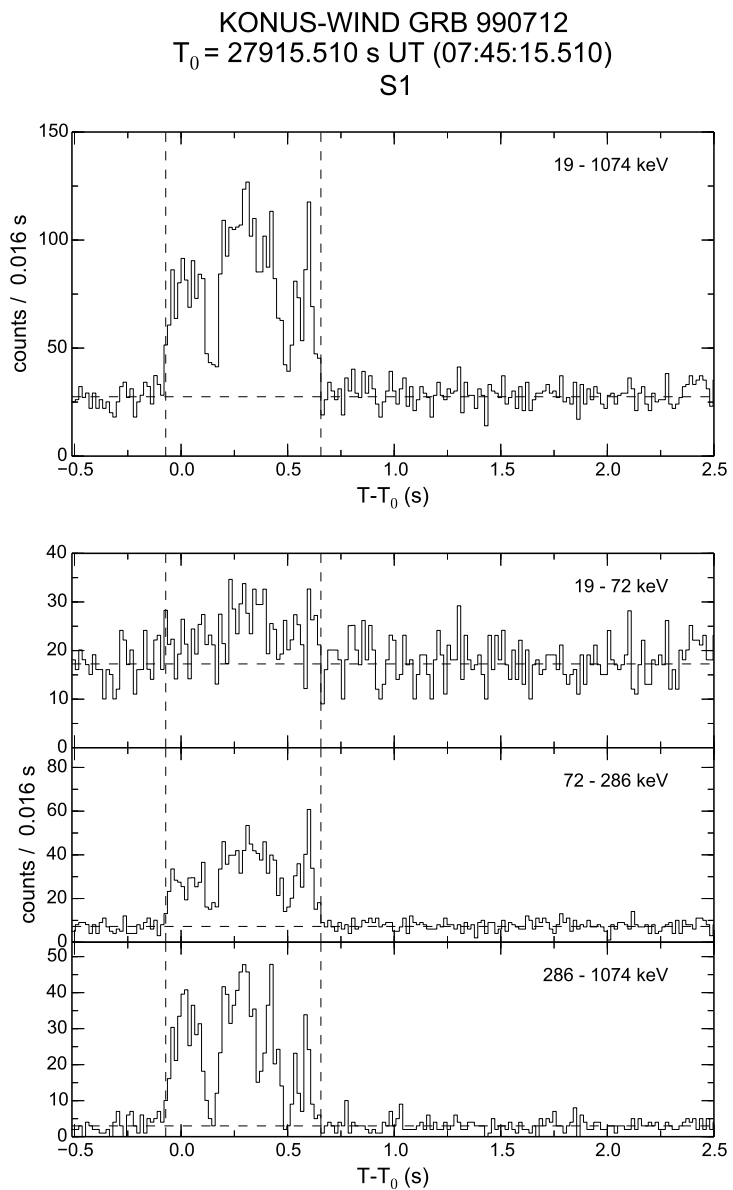


Fig. 13: GRB19990712.T27915 (initial pulse $T_{\text{start,IP}} = -0.072$ s, $T_{\text{end,IP}} = 0.656$ s; extended emission $T_{\text{start,EE}} = 6.32$ s, $T_{\text{end,EE}} = 40.576$ s)

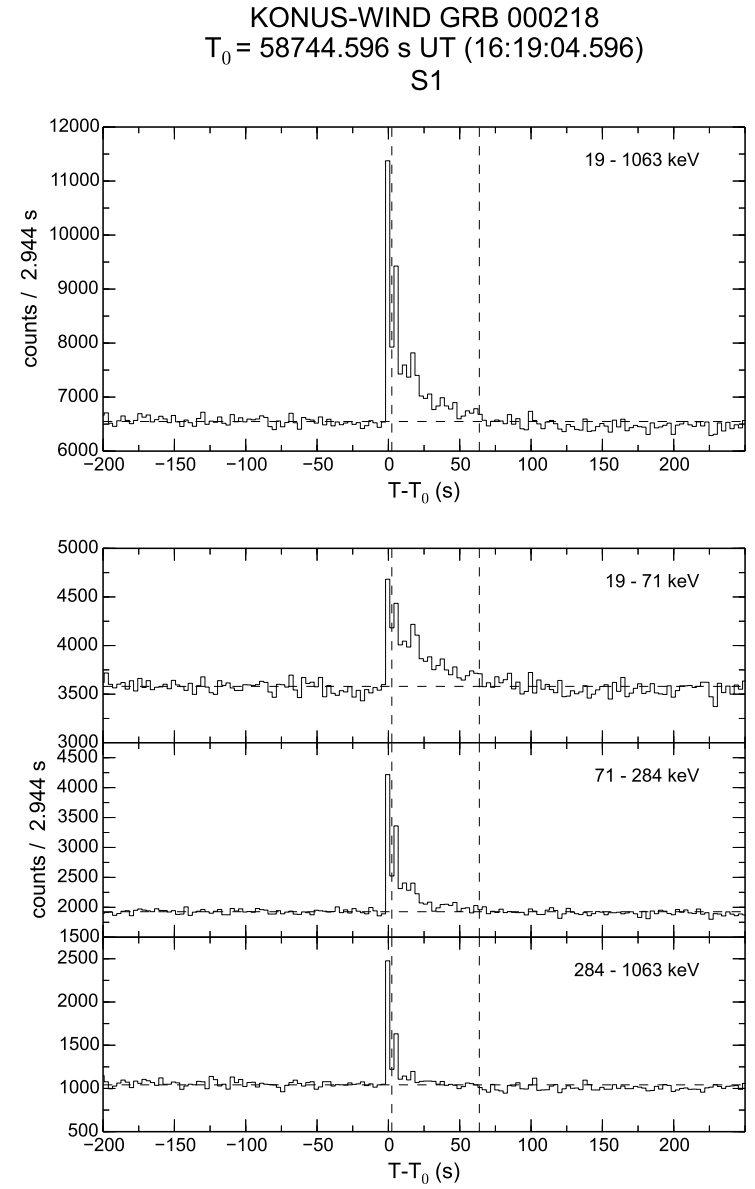
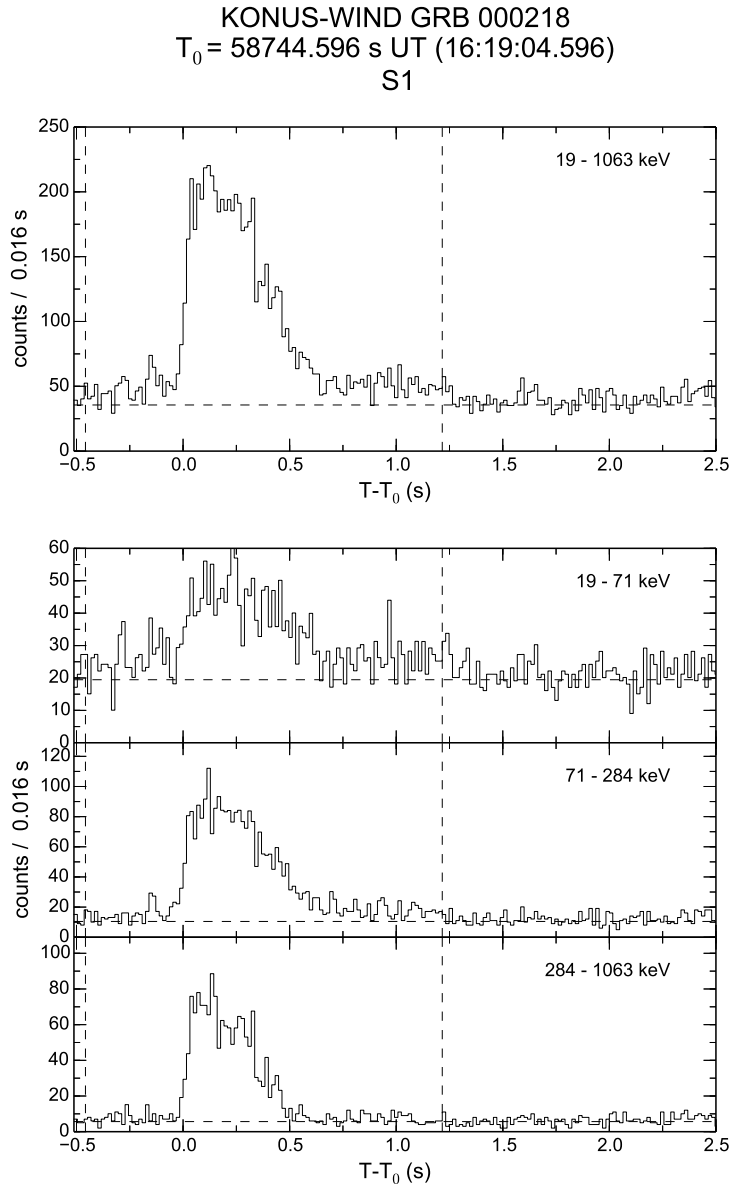


Fig. 14: GRB20000218_T58744 (initial pulse $T_{\text{start,IP}} = -0.458$ s, $T_{\text{end,IP}} = 1.216$ s; extended emission $T_{\text{start,EE}} = 2.4$ s, $T_{\text{end,EE}} = 63.744$ s)

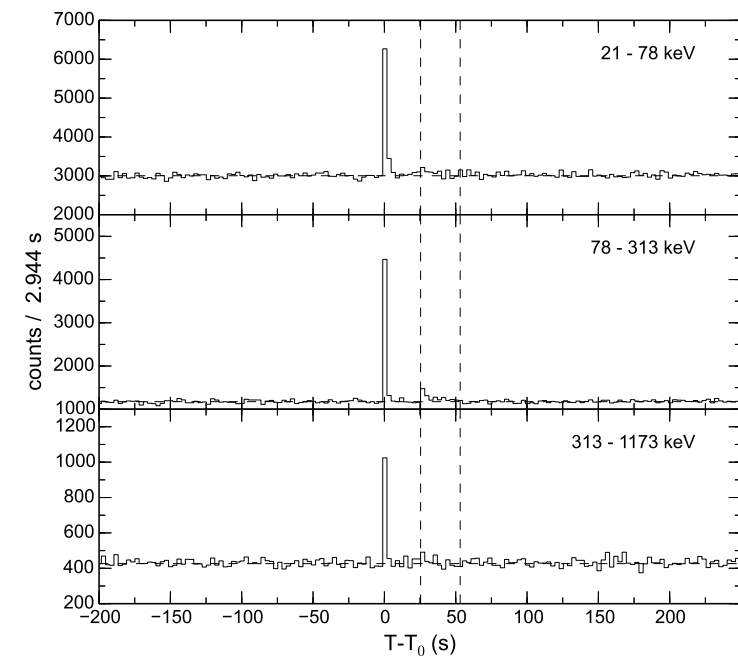
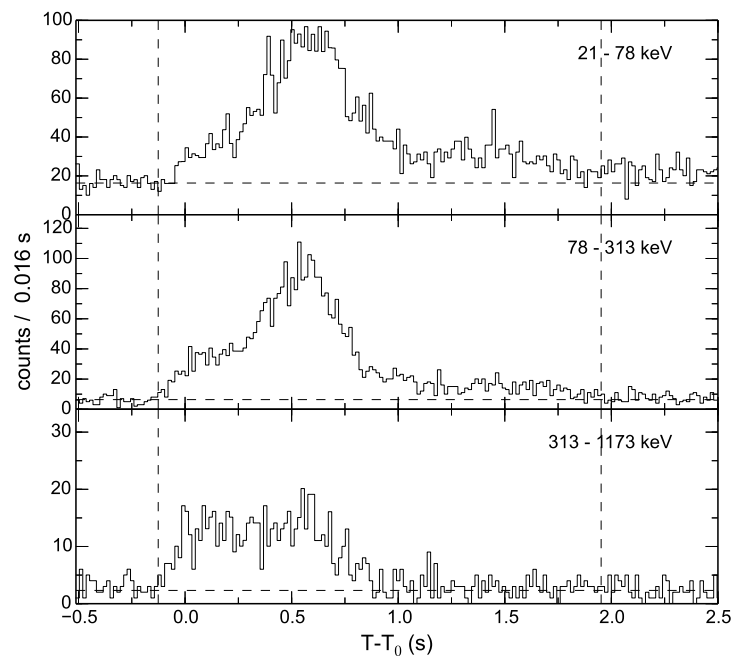
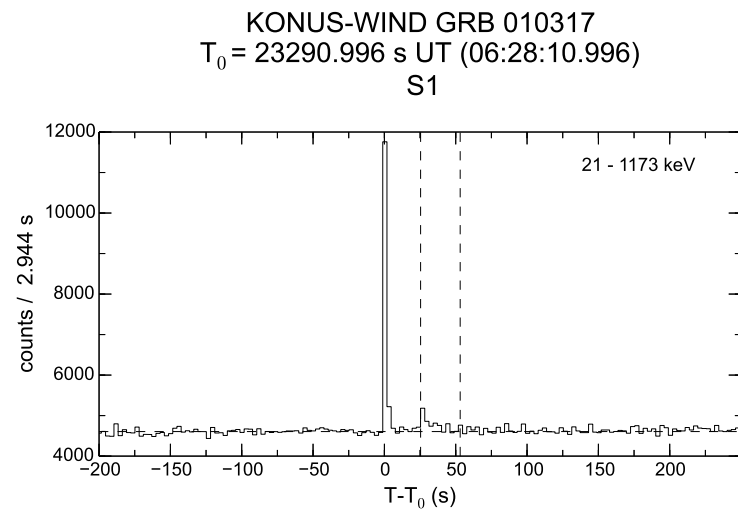
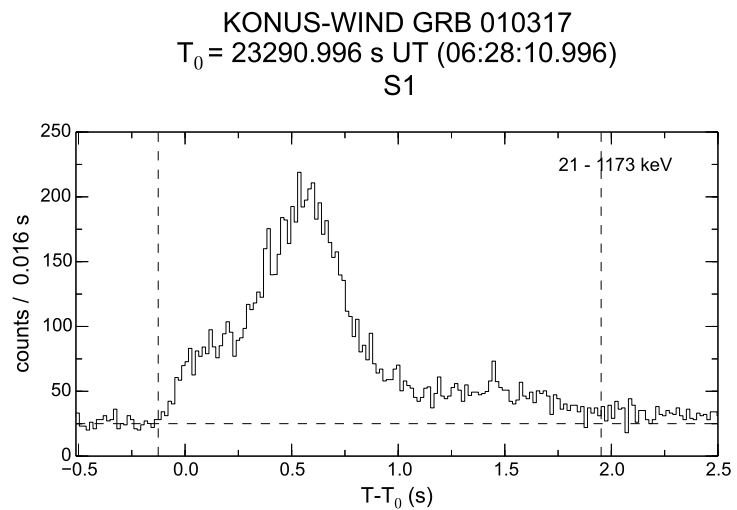


Fig. 15: GRB20010317_T23290 (initial pulse $T_{\text{start,IP}} = -0.126$ s, $T_{\text{end,IP}} = 1.952$ s; extended emission $T_{\text{start,EE}} = 25.376$ s, $T_{\text{end,EE}} = 53.12$ s)

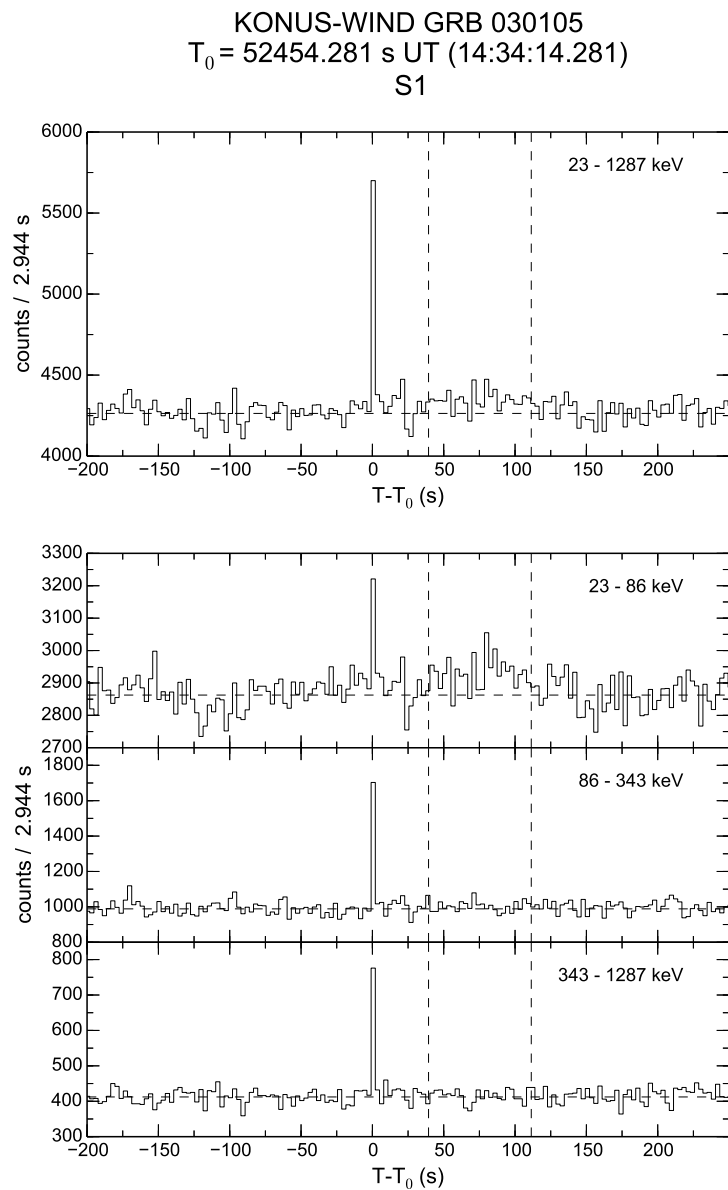
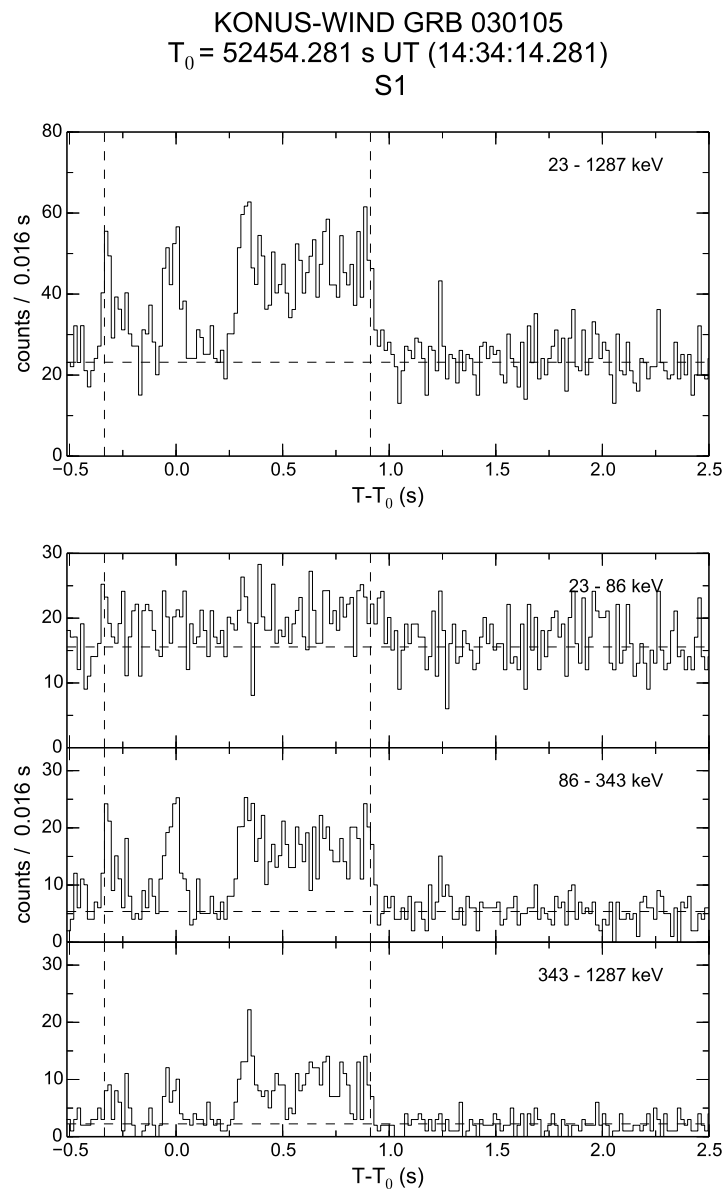


Fig. 16: GRB20030105_T52454 (initial pulse $T_{\text{start,IP}} = -0.336$ s, $T_{\text{end,IP}} = 0.912$ s; extended emission $T_{\text{start,EE}} = 39.36$ s, $T_{\text{end,EE}} = 111.36$ s)

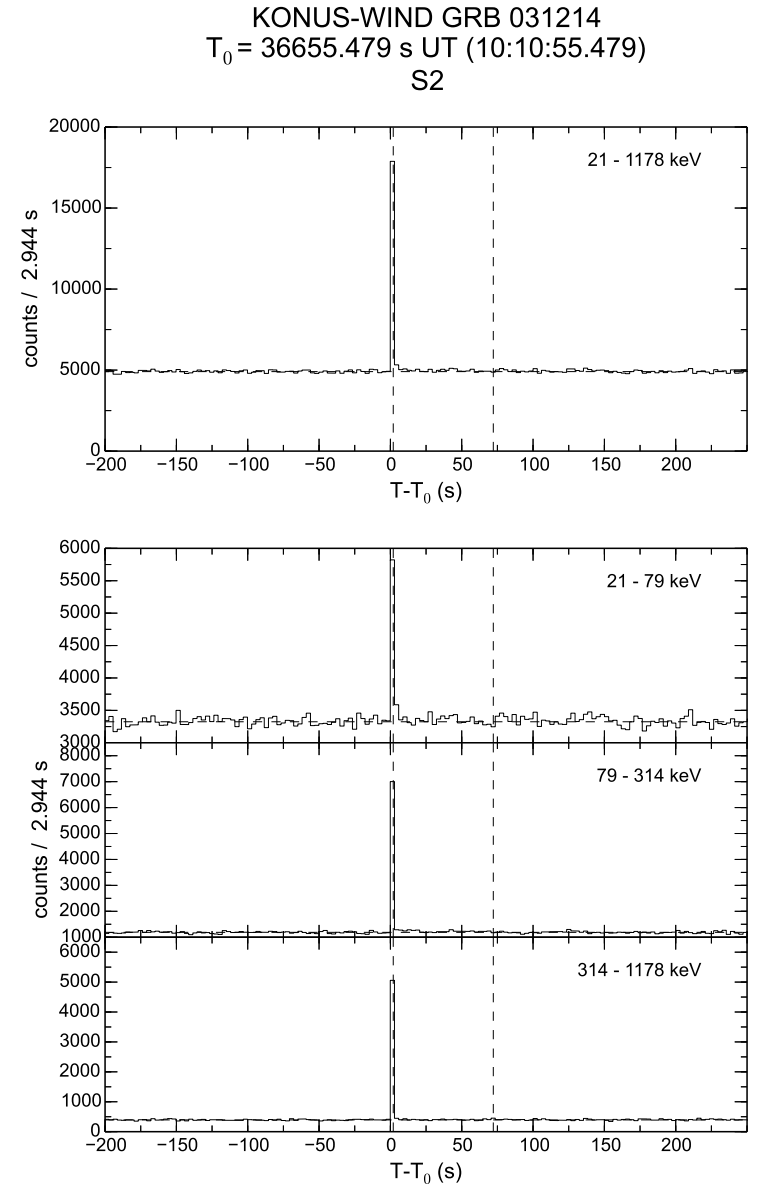
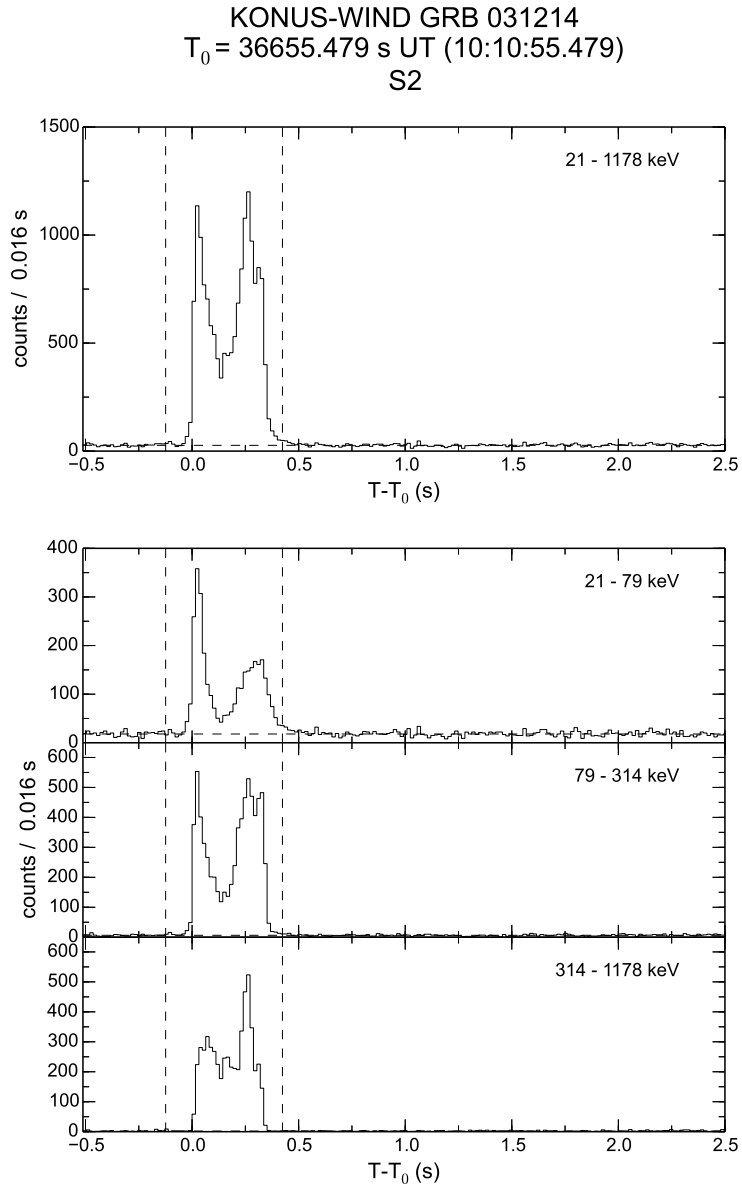


Fig. 17: GRB20031214_T36655 (initial pulse $T_{\text{start,IP}} = -0.124$ s, $T_{\text{end,IP}} = 0.424$ s; extended emission $T_{\text{start,EE}} = 2$ s, $T_{\text{end,EE}} = 72.128$ s)

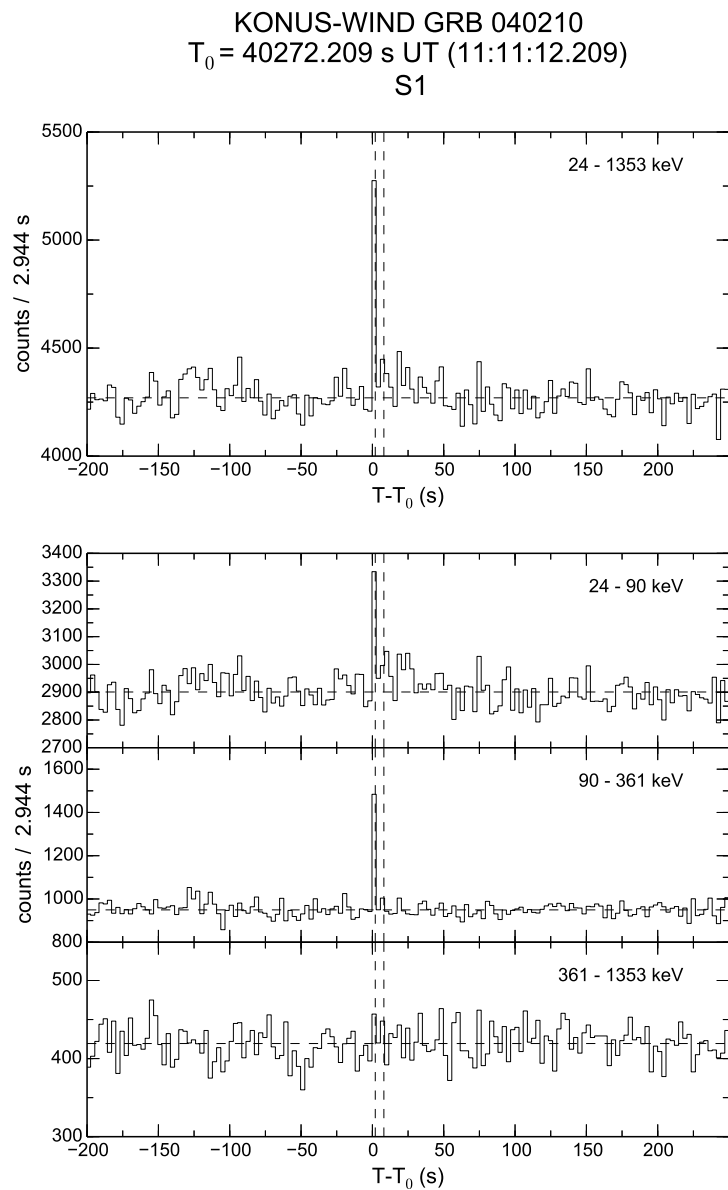
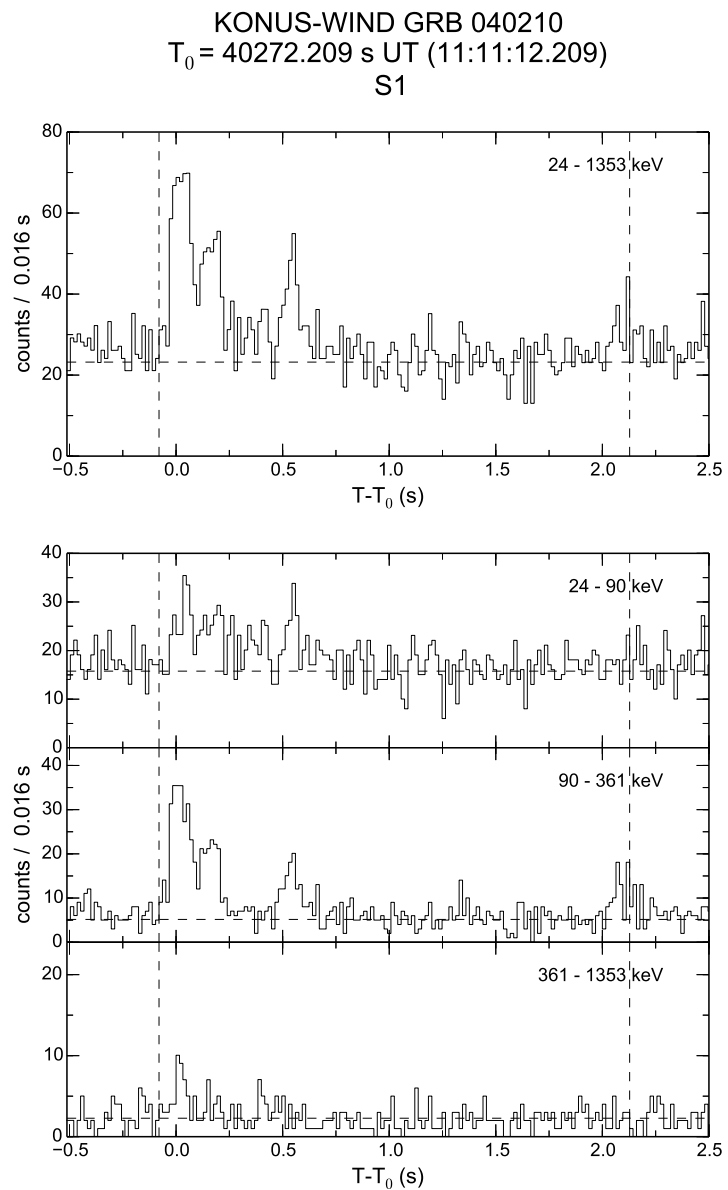
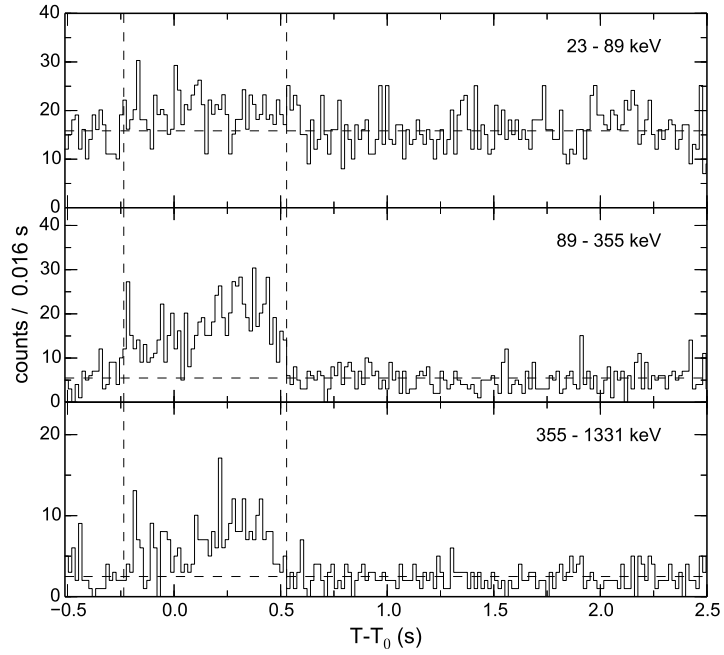
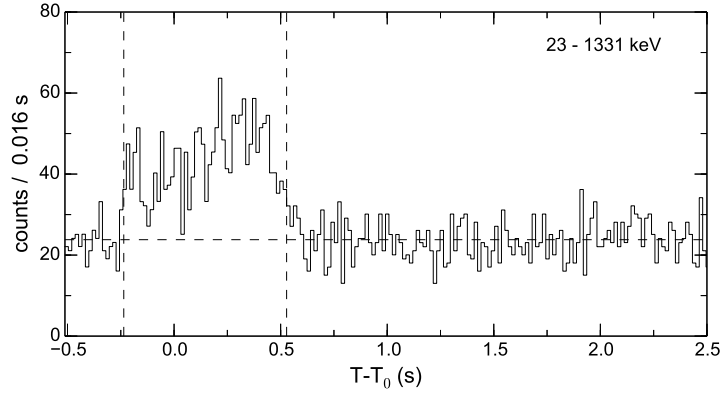


Fig. 18: GRB20040210_T40272 (initial pulse $T_{\text{start,IP}} = -0.08$ s, $T_{\text{end,IP}} = 2.128$ s; extended emission $T_{\text{start,EE}} = 2.016$ s, $T_{\text{end,EE}} = 8.048$ s)

KONUS-WIND GRB 040816
 $T_0 = 29998.724$ s UT (08:19:58.724)
 S1



KONUS-WIND GRB 040816
 $T_0 = 29998.724$ s UT (08:19:58.724)
 S1

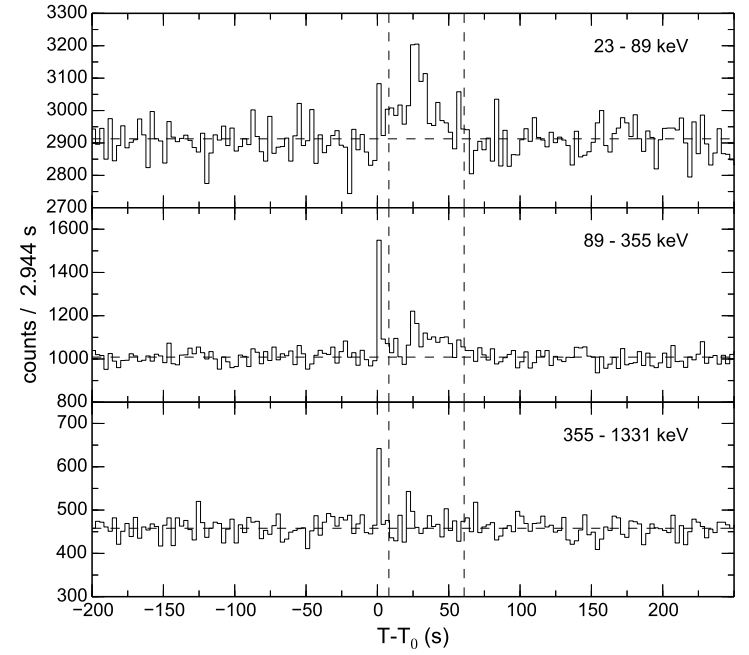
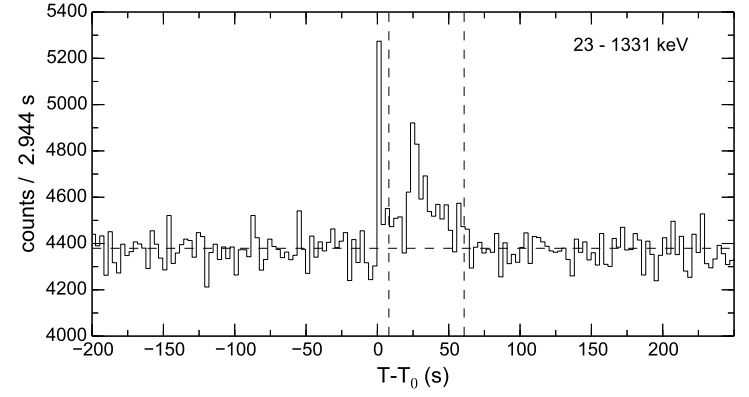


Fig. 19: GRB20040816_T29998 (initial pulse $T_{\text{start,IP}} = -0.236$ s, $T_{\text{end,IP}} = 0.528$ s; extended emission $T_{\text{start,EE}} = 8.048$ s, $T_{\text{end,EE}} = 60.8$ s)

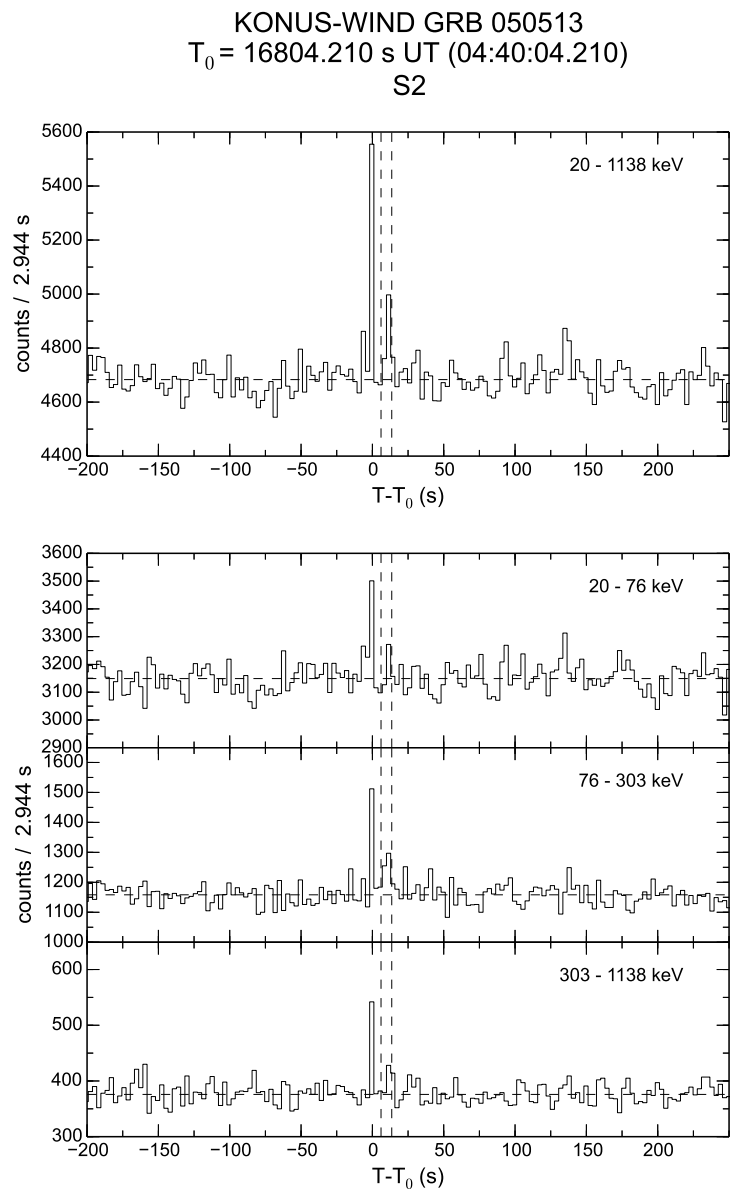
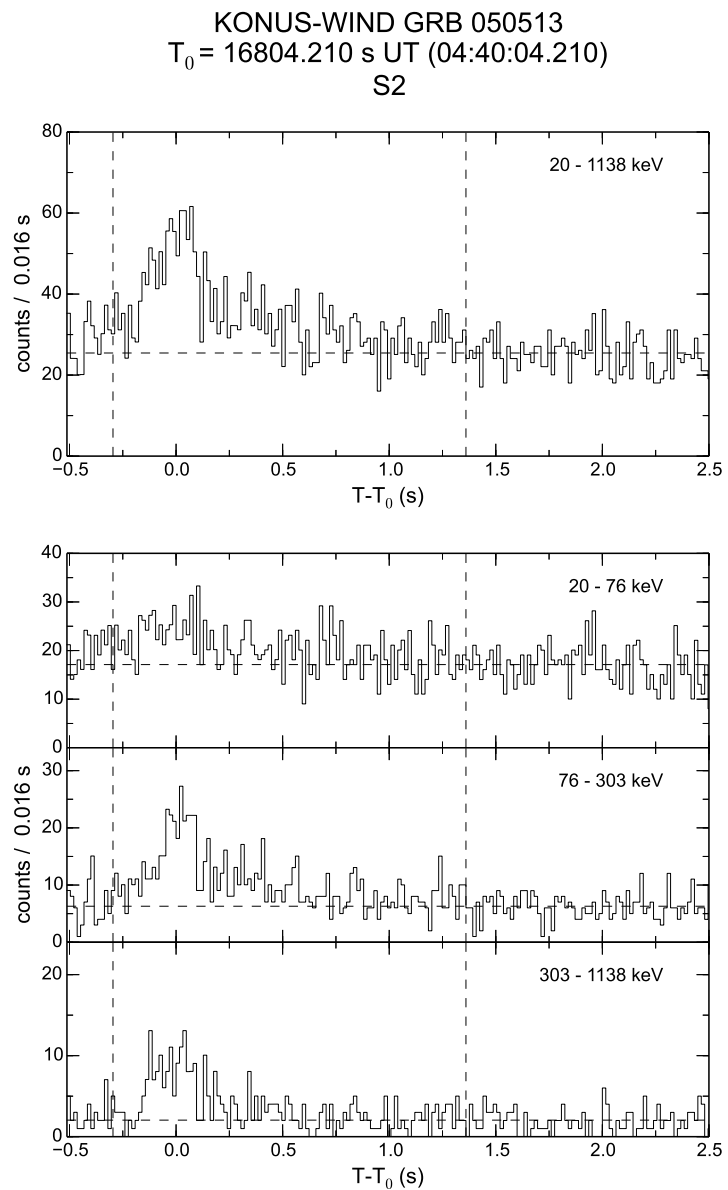


Fig. 20: GRB20050513.T16804 (initial pulse $T_{\text{start,IP}} = -0.296$ s, $T_{\text{end,IP}} = 1.36$ s; extended emission $T_{\text{start,EE}} = 6.048$ s, $T_{\text{end,EE}} = 13.568$ s)

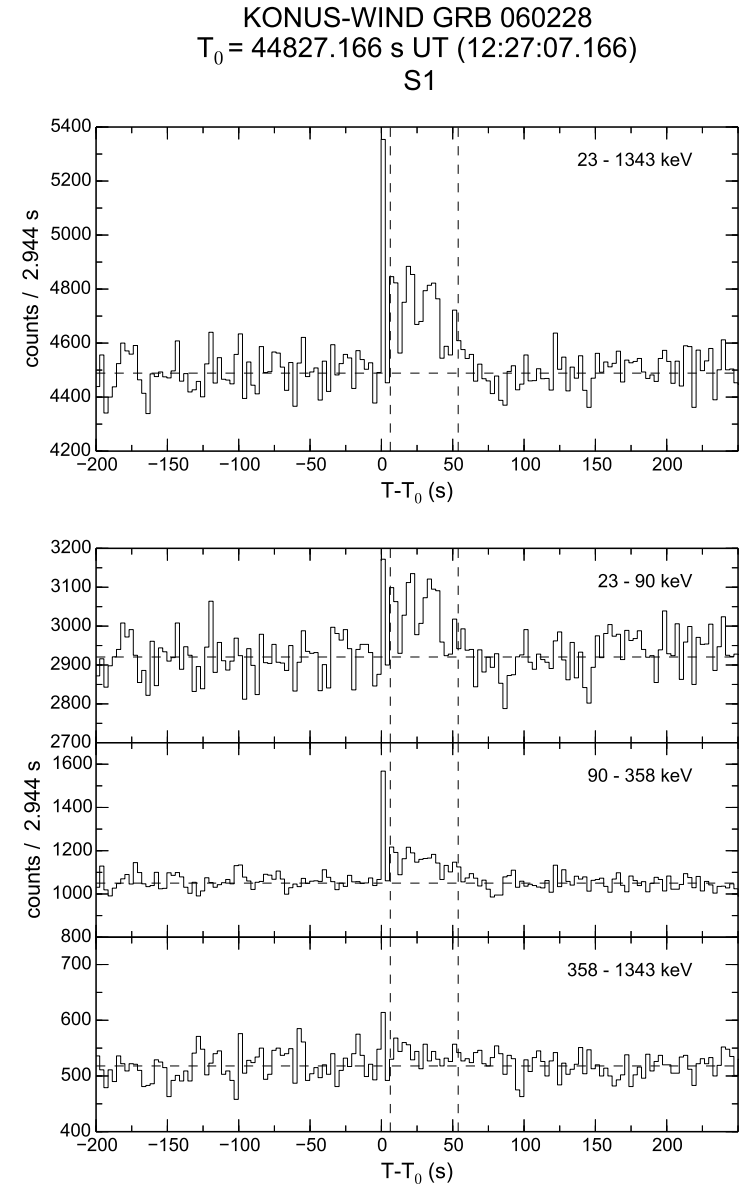
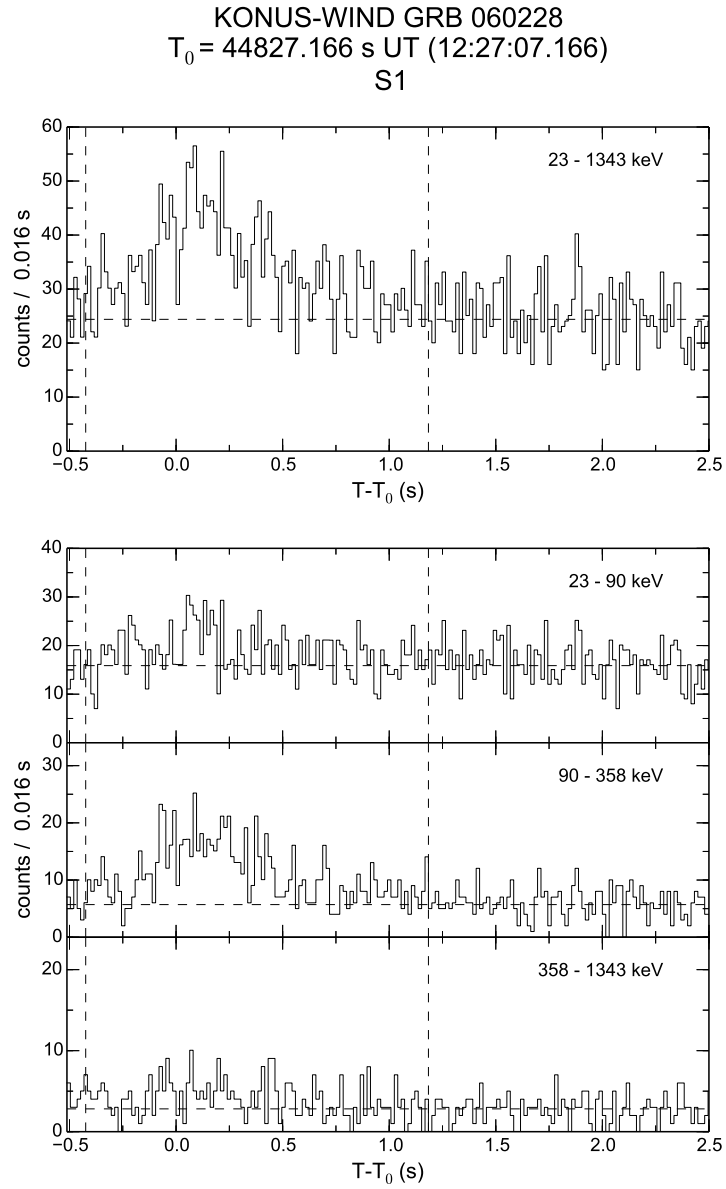


Fig. 21: GRB20060228.T44827 (initial pulse $T_{\text{start,IP}} = -0.424$ s, $T_{\text{end,IP}} = 1.184$ s; extended emission $T_{\text{start,EE}} = 6.24$ s, $T_{\text{end,EE}} = 53.824$ s)

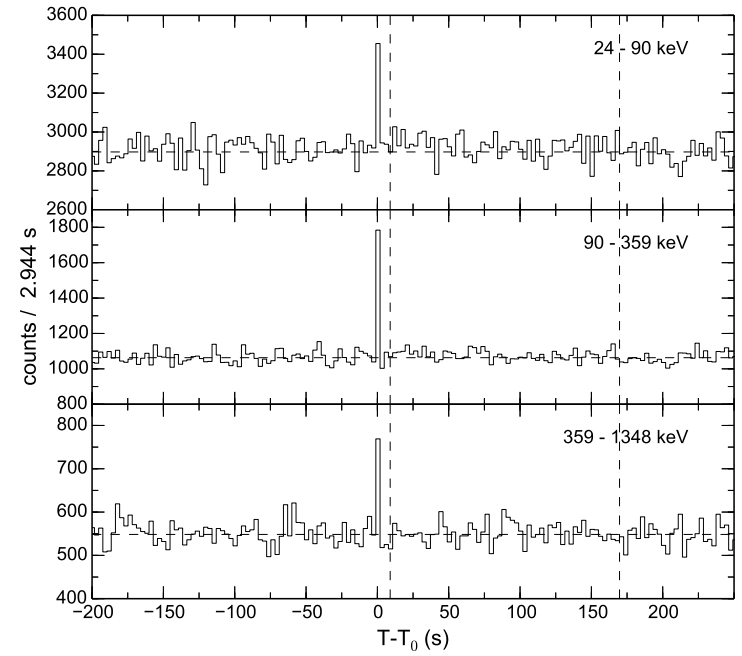
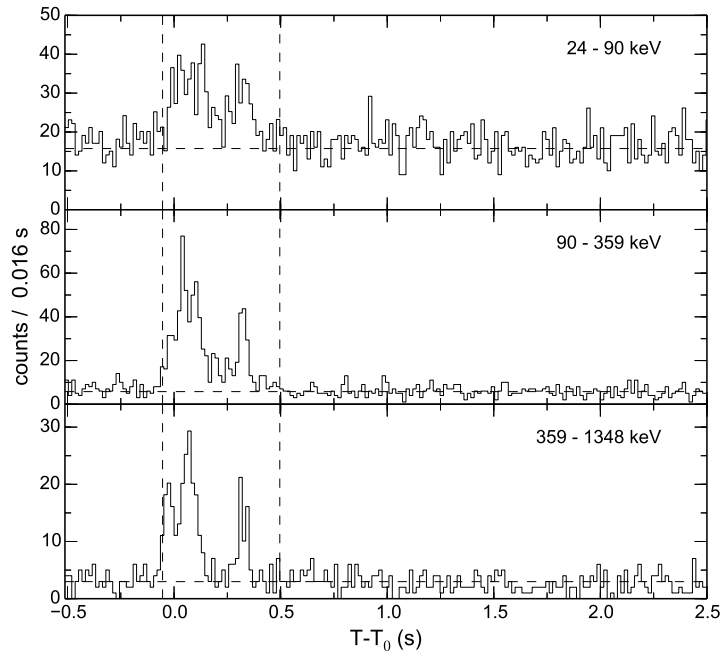
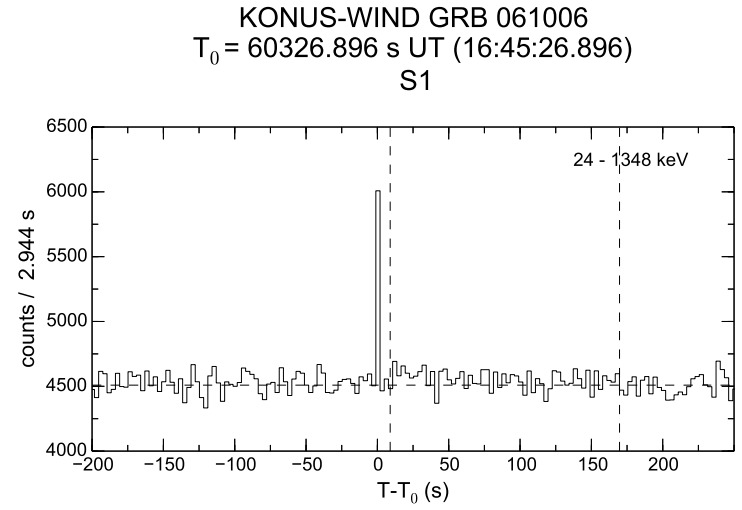
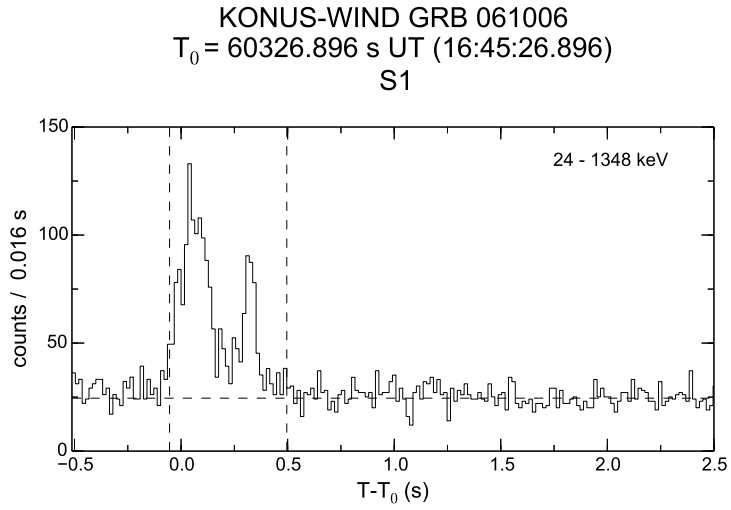
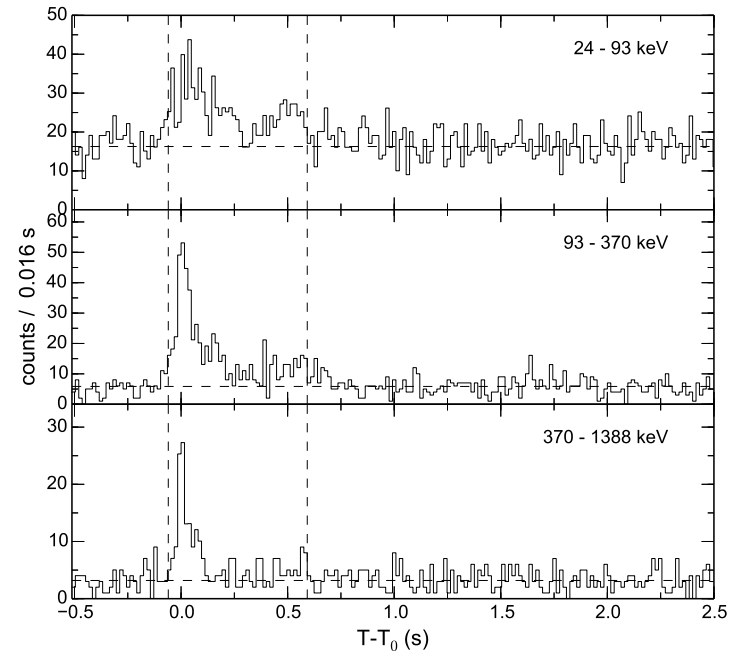
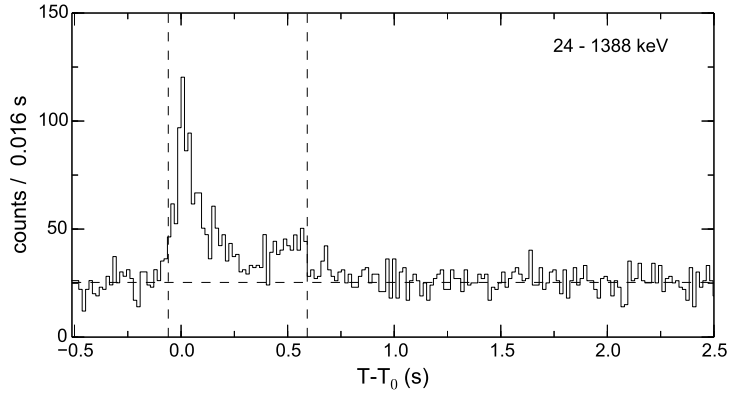


Fig. 22: GRB20061006_T60326 (initial pulse $T_{\text{start,IP}} = -0.054$ s, $T_{\text{end,IP}} = 0.496$ s; extended emission $T_{\text{start,EE}} = 8.96$ s, $T_{\text{end,EE}} = 169.728$ s)

KONUS-WIND GRB 070915
 $T_0 = 30890.684$ s UT (08:34:50.684)
 S1



KONUS-WIND GRB 070915
 $T_0 = 30890.684$ s UT (08:34:50.684)
 S1

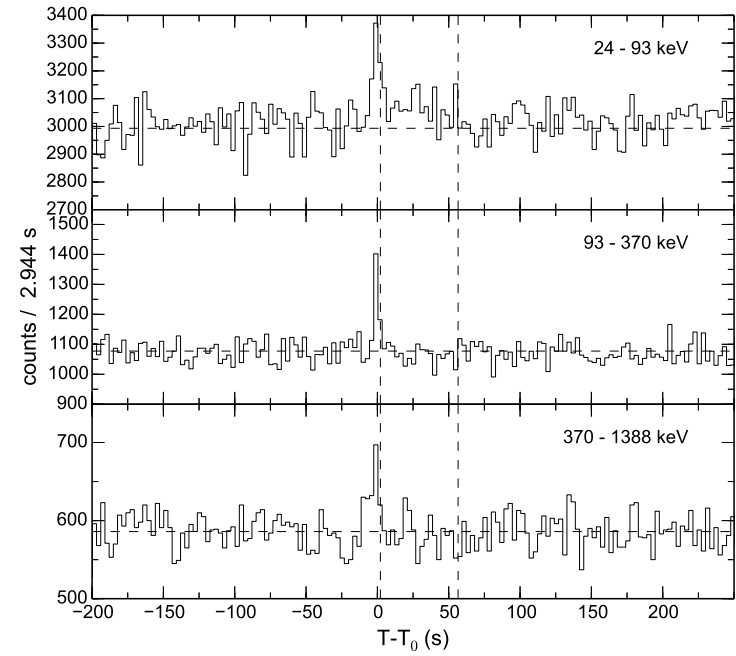
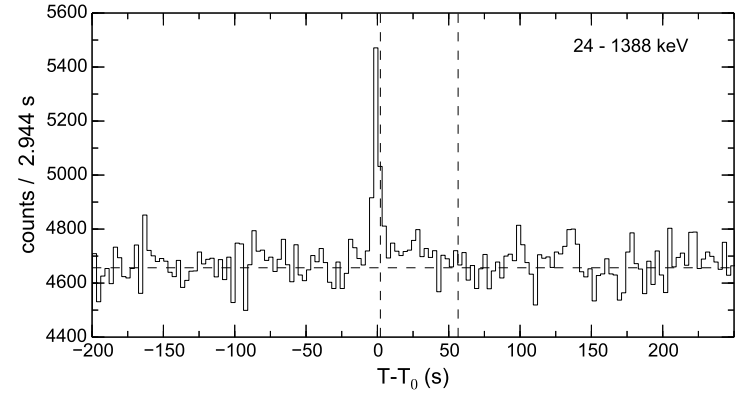


Fig. 23: GRB20070915_T30890 (initial pulse $T_{\text{start,IP}} = -0.06$ s, $T_{\text{end,IP}} = 0.592$ s; extended emission $T_{\text{start,EE}} = 2.096$ s, $T_{\text{end,EE}} = 56.576$ s)

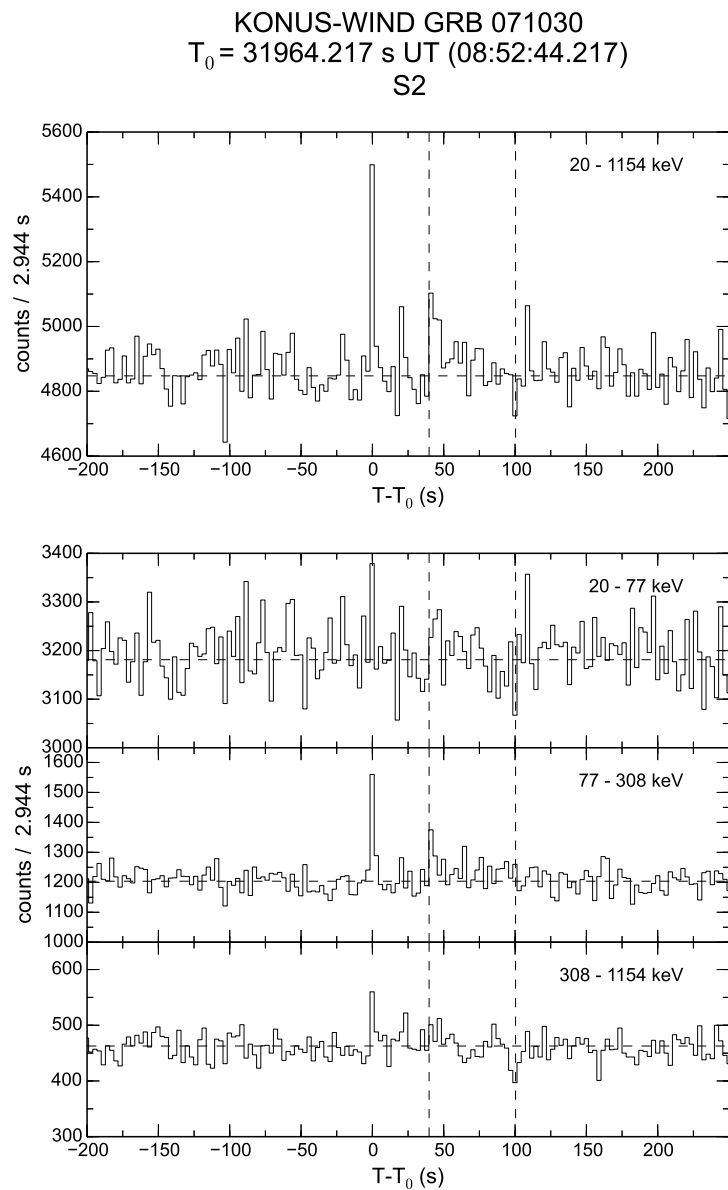
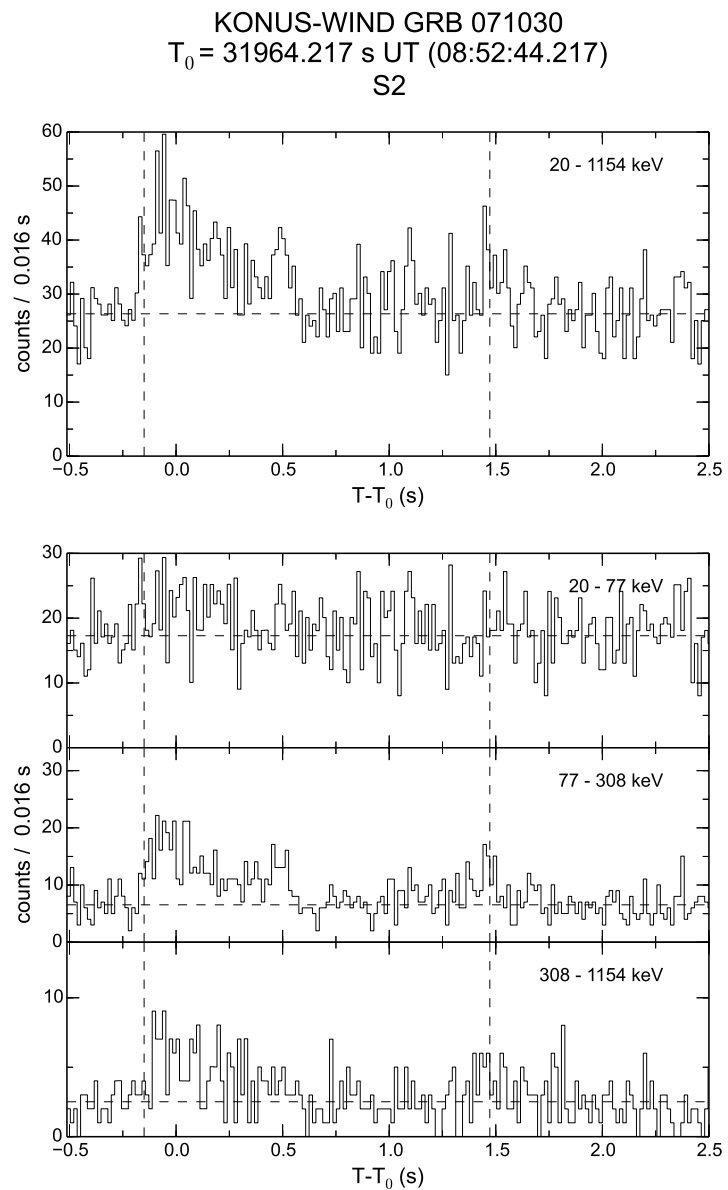


Fig. 24: GRB20071030_T31964 (initial pulse $T_{\text{start,IP}} = -0.15$ s, $T_{\text{end,IP}} = 1.472$ s; extended emission $T_{\text{start,EE}} = 39.744$ s, $T_{\text{end,EE}} = 100.352$ s)

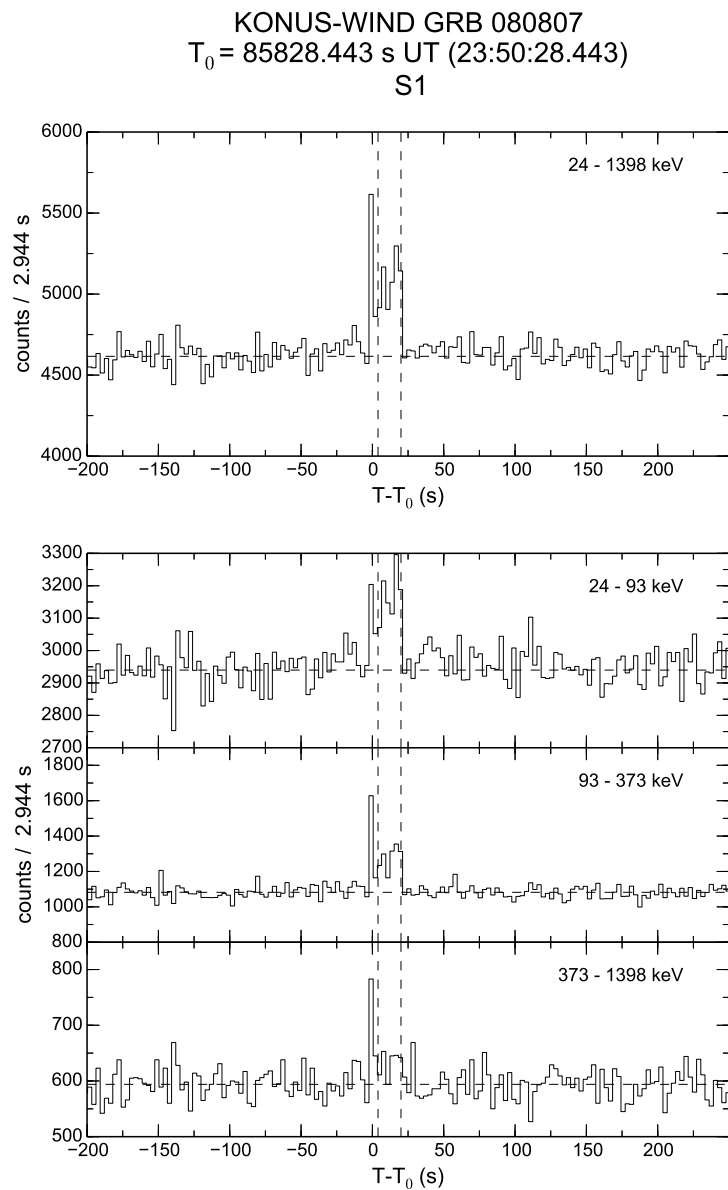
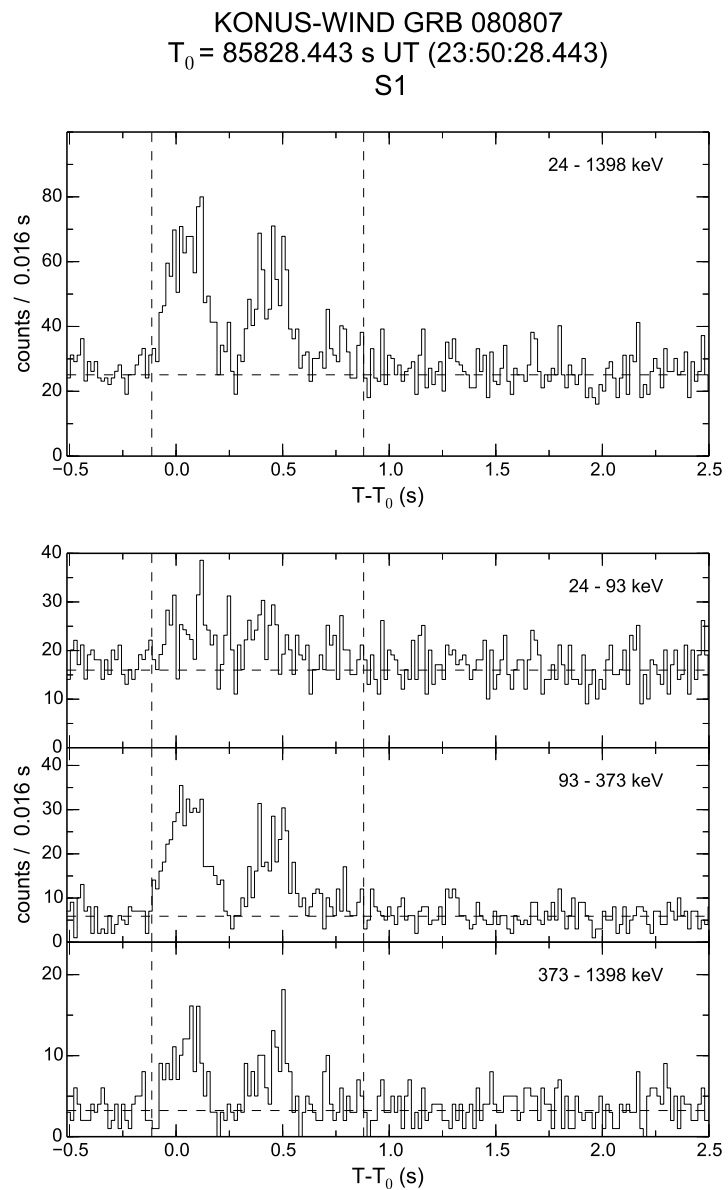


Fig. 25: GRB20080807_T85828 (initial pulse $T_{\text{start,IP}} = -0.114$ s, $T_{\text{end,IP}} = 0.88$ s; extended emission $T_{\text{start,EE}} = 3.952$ s, $T_{\text{end,EE}} = 20.032$ s)

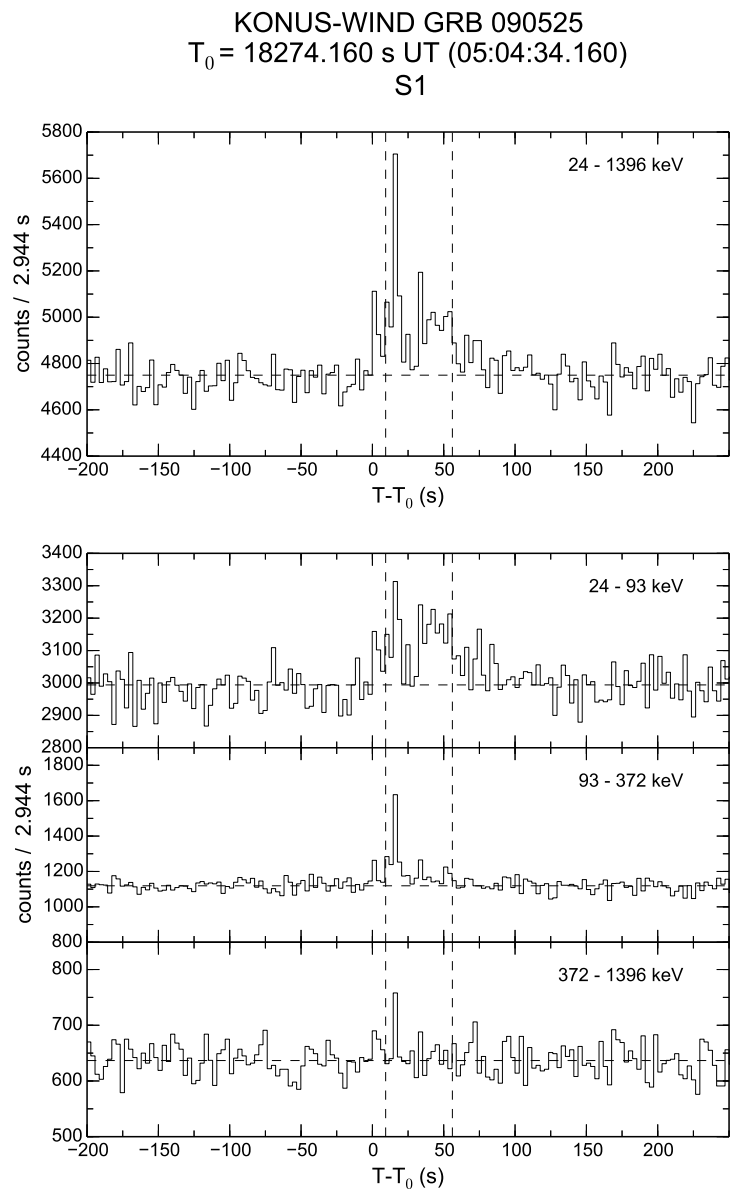
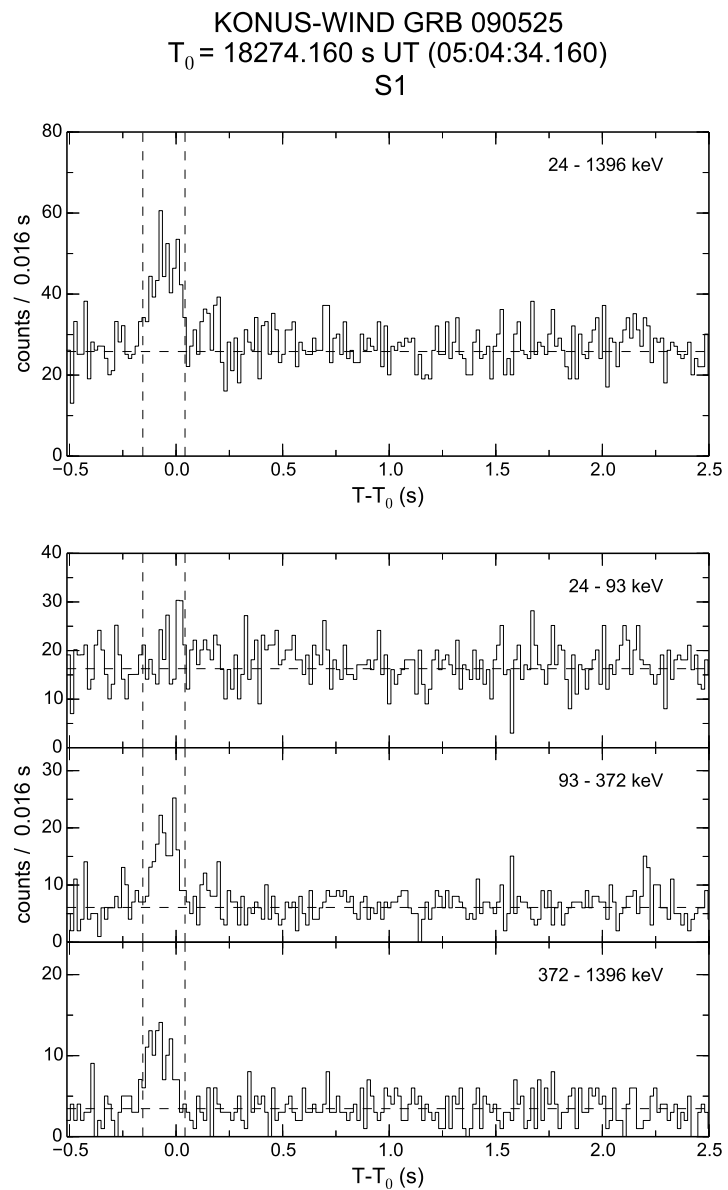


Fig. 26: GRB20090525_T18274 (initial pulse $T_{\text{start,IP}} = -0.156$ s, $T_{\text{end,IP}} = 0.042$ s; extended emission $T_{\text{start,EE}} = 9.296$ s, $T_{\text{end,EE}} = 56.064$ s)

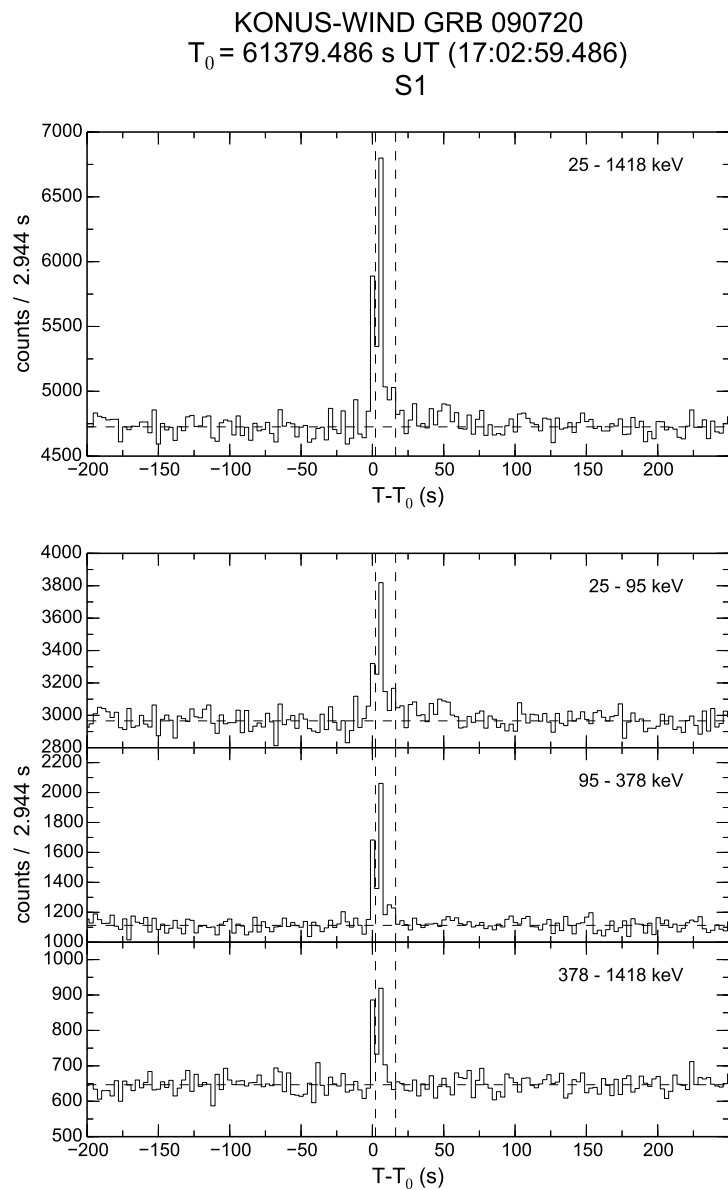
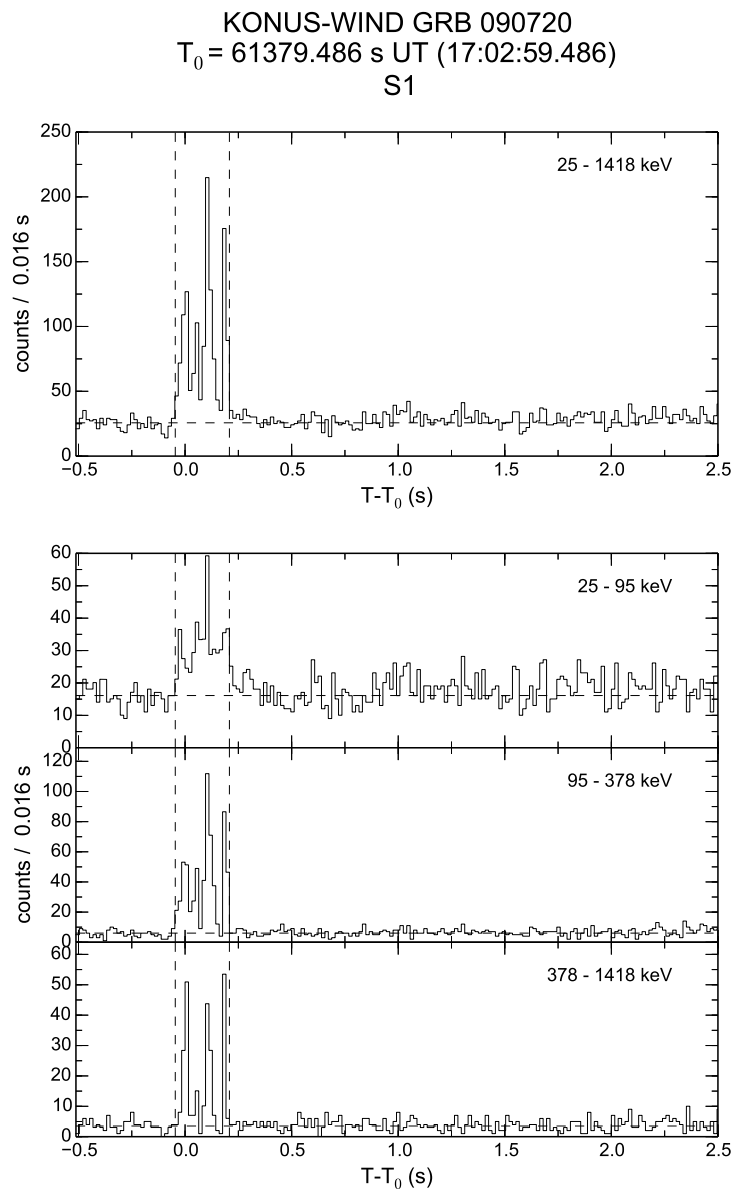


Fig. 27: GRB20090720_T61379 (initial pulse $T_{\text{start,IP}} = -0.046$ s, $T_{\text{end,IP}} = 0.208$ s; extended emission $T_{\text{start,EE}} = 2.176$ s, $T_{\text{end,EE}} = 16.256$ s)

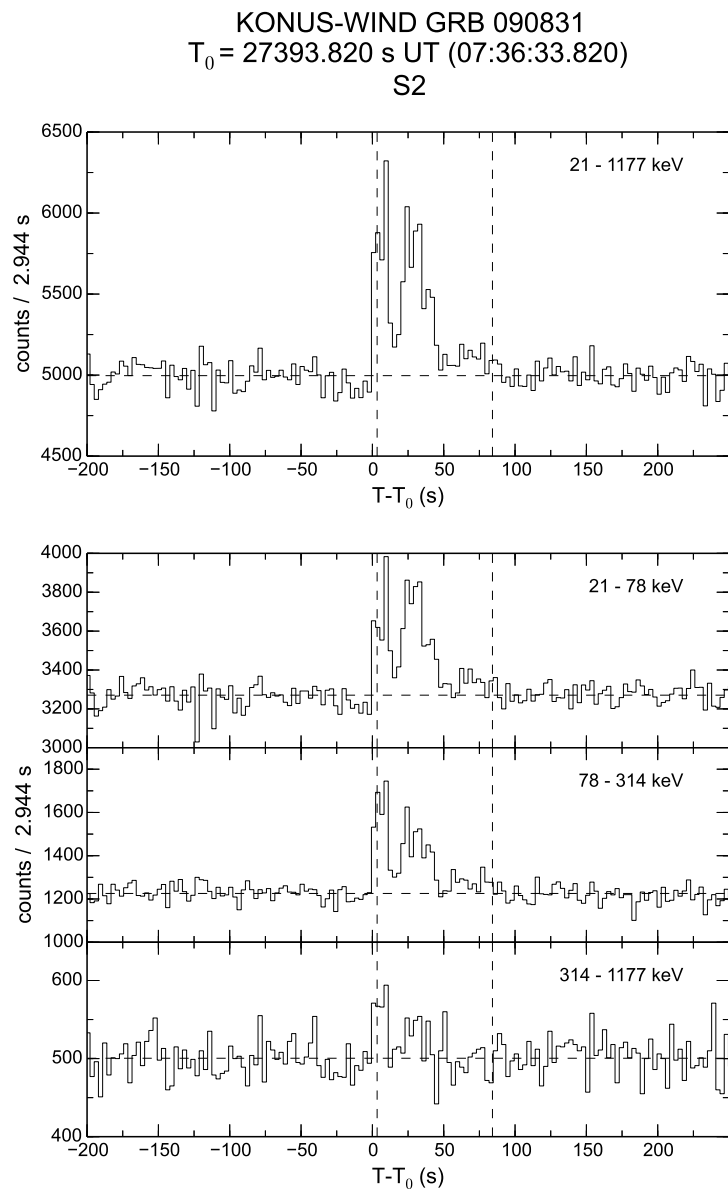
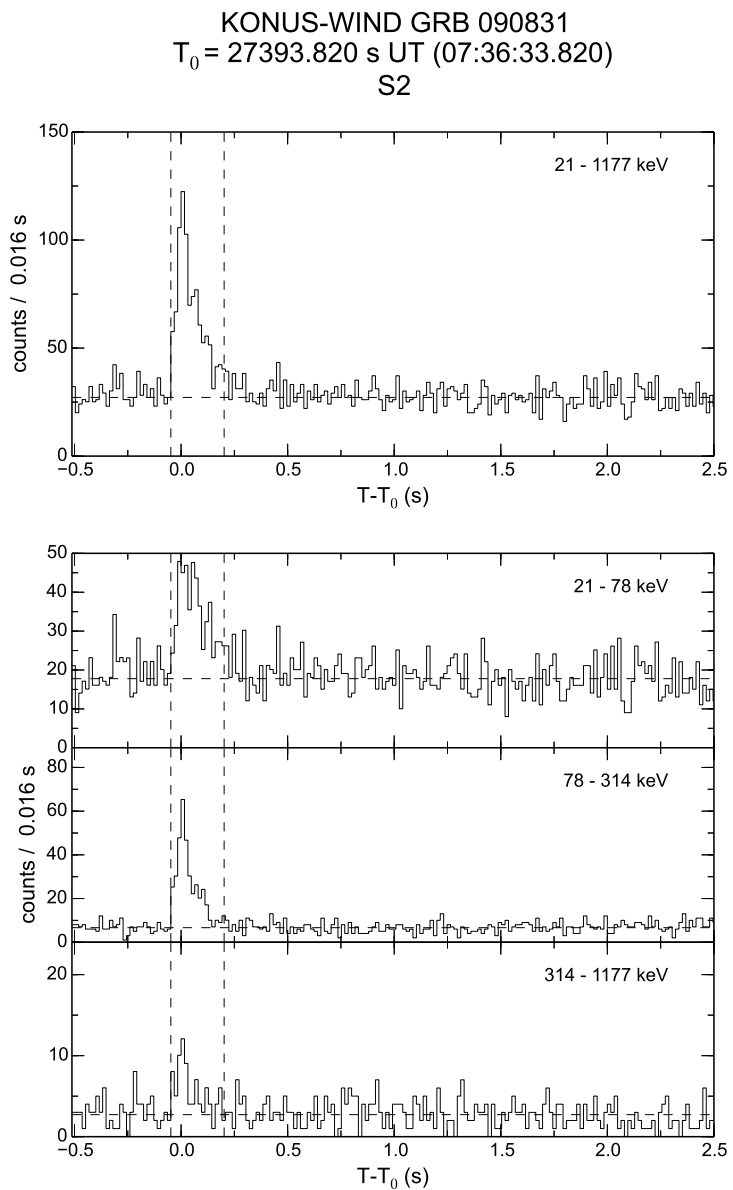


Fig. 28: GRB20090831_T27393 (initial pulse $T_{\text{start,IP}} = -0.048$ s, $T_{\text{end,IP}} = 0.202$ s; extended emission $T_{\text{start,EE}} = 3.312$ s, $T_{\text{end,EE}} = 84.16$ s)

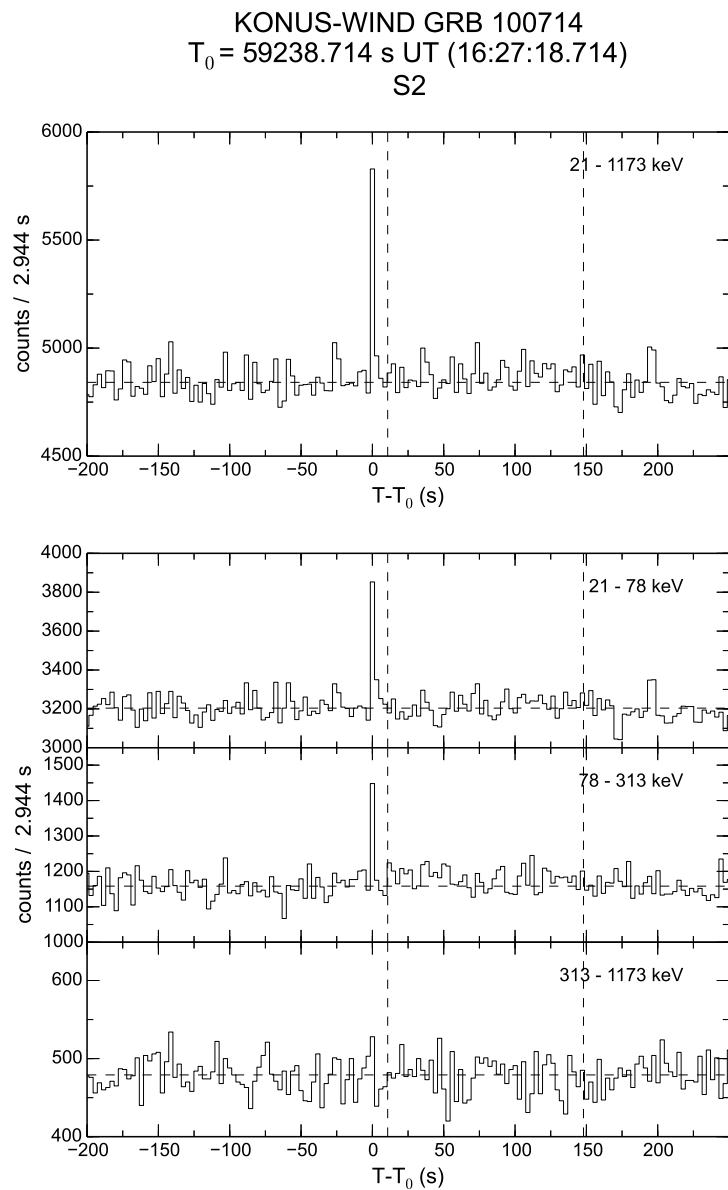
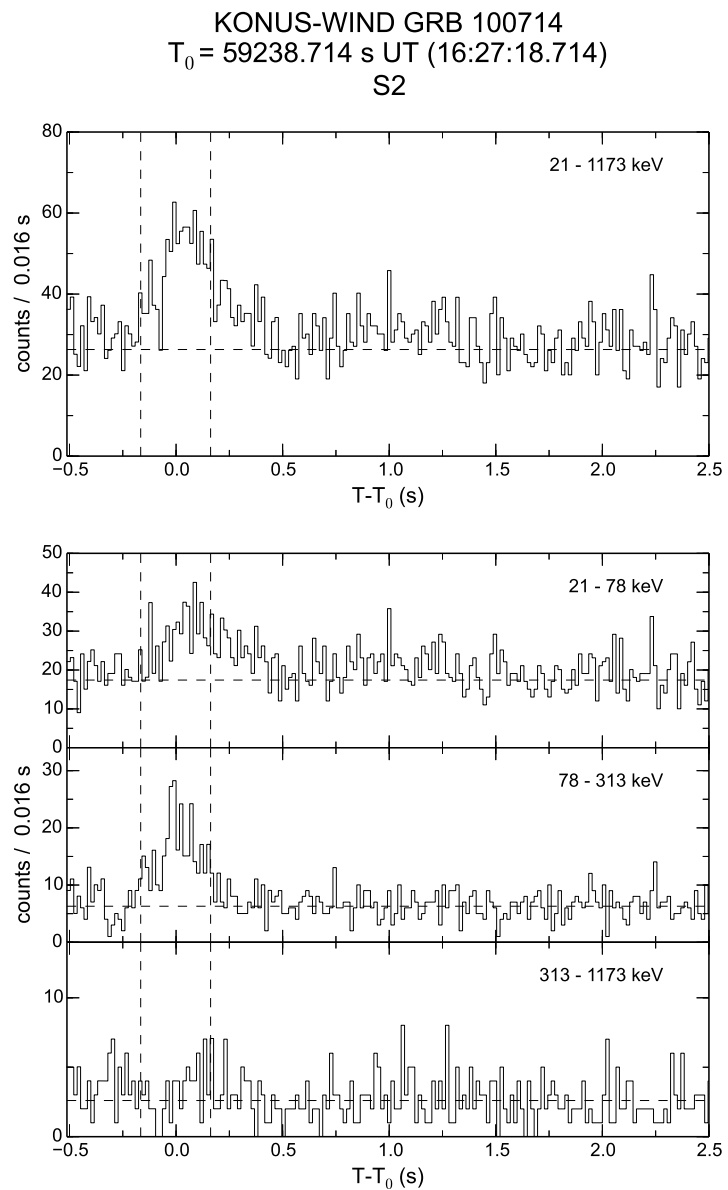


Fig. 29: GRB20100714.T59238 (initial pulse $T_{\text{start,IP}} = -0.166$ s, $T_{\text{end,IP}} = 0.162$ s; extended emission $T_{\text{start,EE}} = 10.72$ s, $T_{\text{end,EE}} = 147.968$ s)

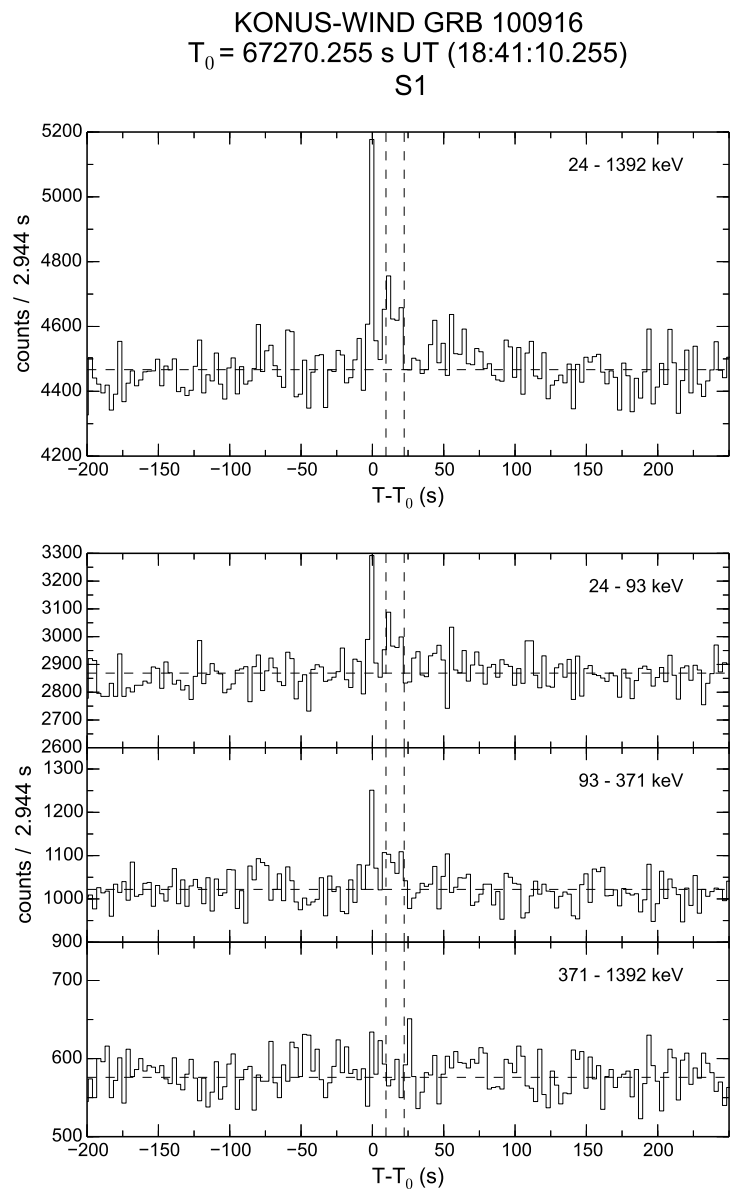
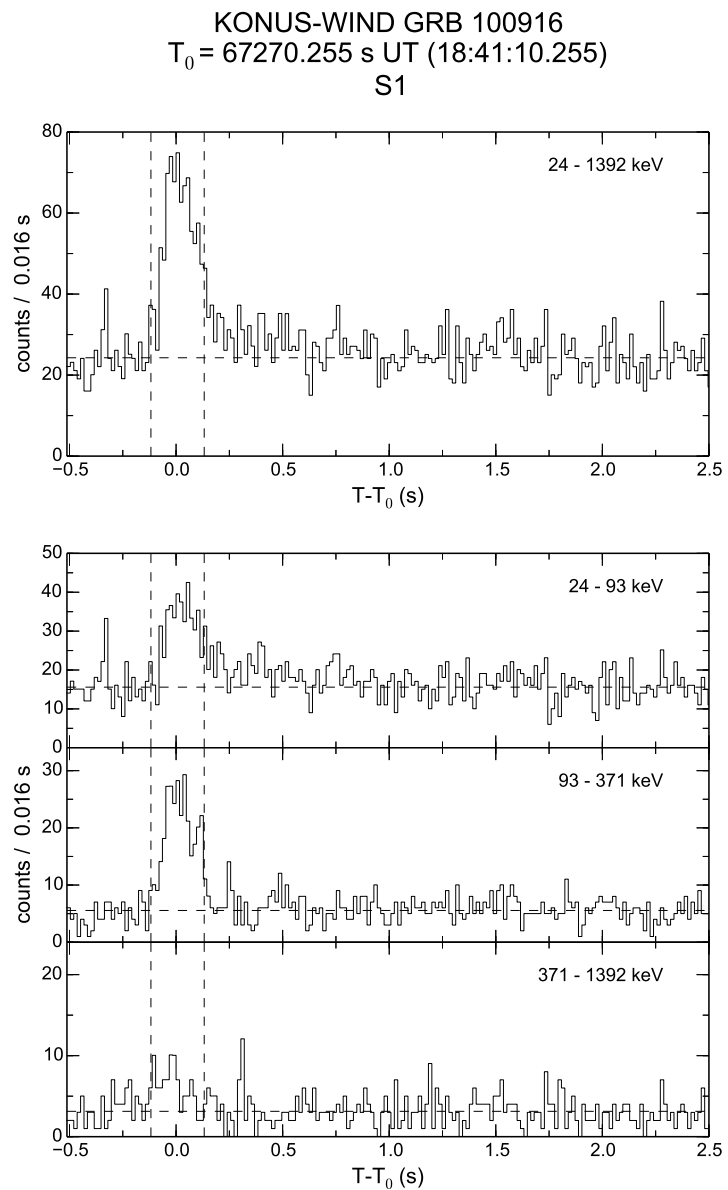


Fig. 30: GRB20100916.T67270 (initial pulse $T_{\text{start,IP}} = -0.118$ s, $T_{\text{end,IP}} = 0.132$ s; extended emission $T_{\text{start,EE}} = 9.52$ s, $T_{\text{end,EE}} = 22.288$ s)