

A JEM-X catalog of X-ray sources

Appendix: The lightcurves

For PoS(extremesky2009)020

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Contents

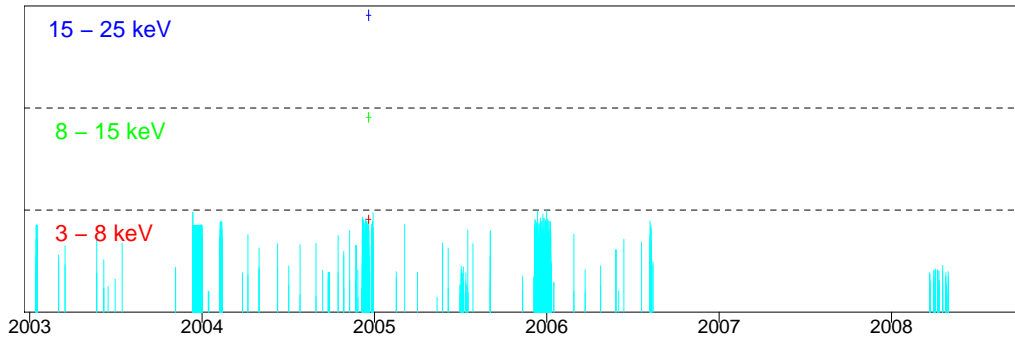
The light curves from all the sources in the ScW catalog are presented here. Each data point represents an average over the science window. The sources appear in the same order as in the catalog i.e. with increasing Right Ascension.

Caption for all figures

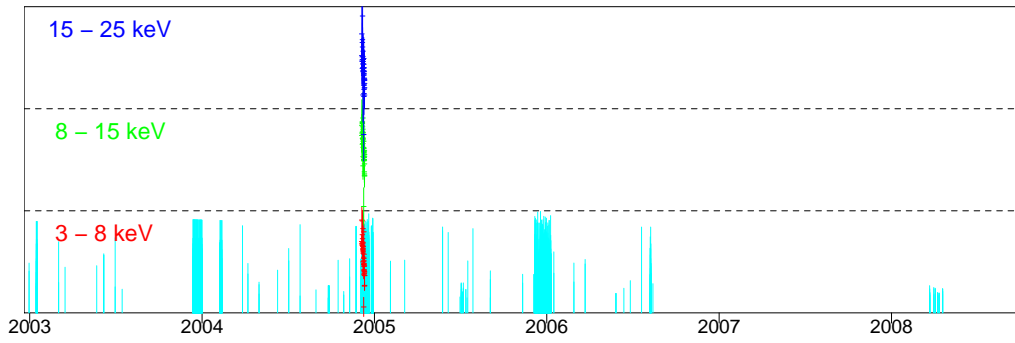
The lightcurves are science window average values in the three indicated energy bands from INTEGRAL observations using JEM-X data in revolutions 26–728. The ordinates are scaled between zero and the maximum flux observed in each energy band separately. The error bars show 1σ errors.

The cyan vertical bars in the lower panel indicates where the source was inside the JEM-X Field-Of-View. The height shows the vignetting, i.e. full height means almost on-axis, whereas a small bar means that the source is close to the edge of the FOV where the vignetting is strong.

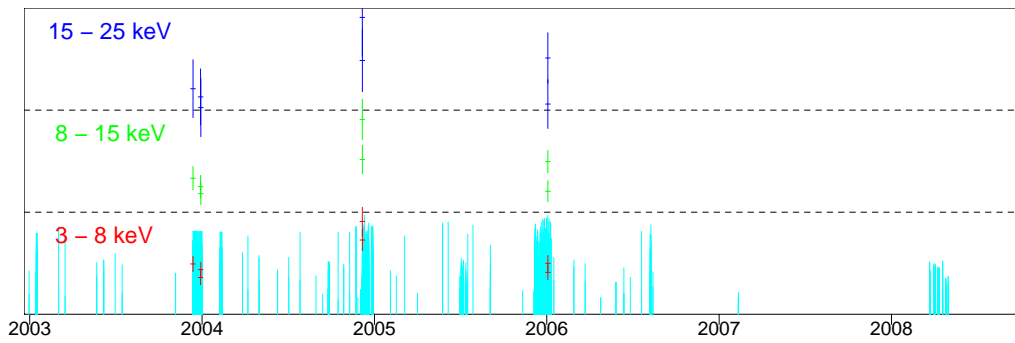
IGR J00245+6251 - RA = 6.118, Dec = 62.843



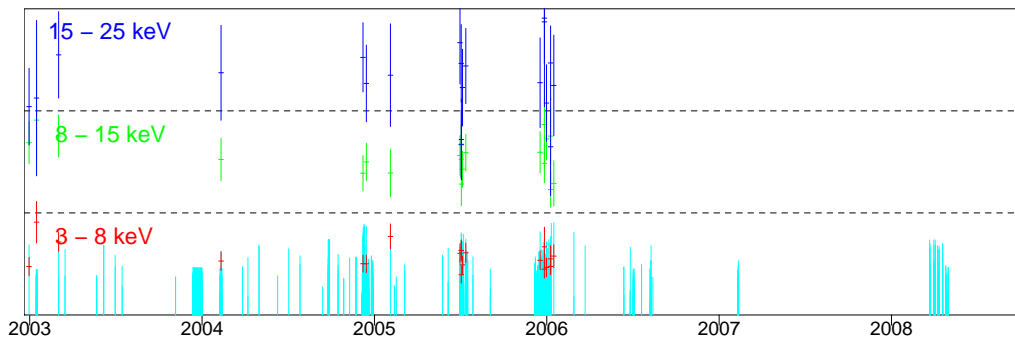
IGR J00291+5934 - RA = 7.265, Dec = 59.571



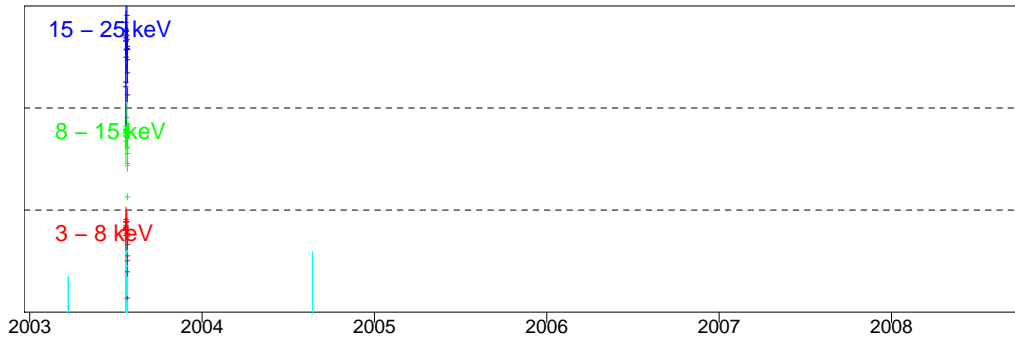
IGR J00370+6122 - RA = 9.293, Dec = 61.361



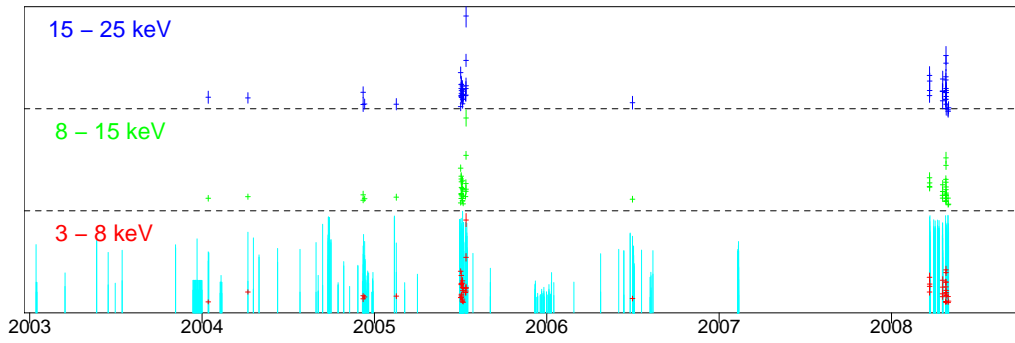
gam Cas - RA = 14.188, Dec = 60.717



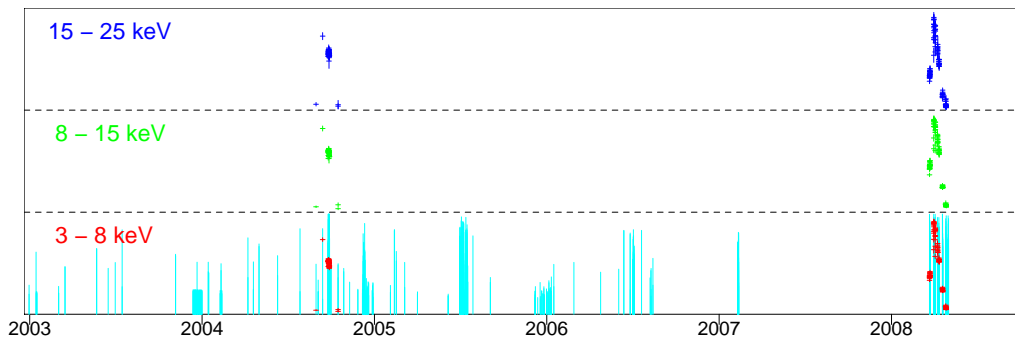
SMC X-1 - RA = 19.277, Dec = -73.445



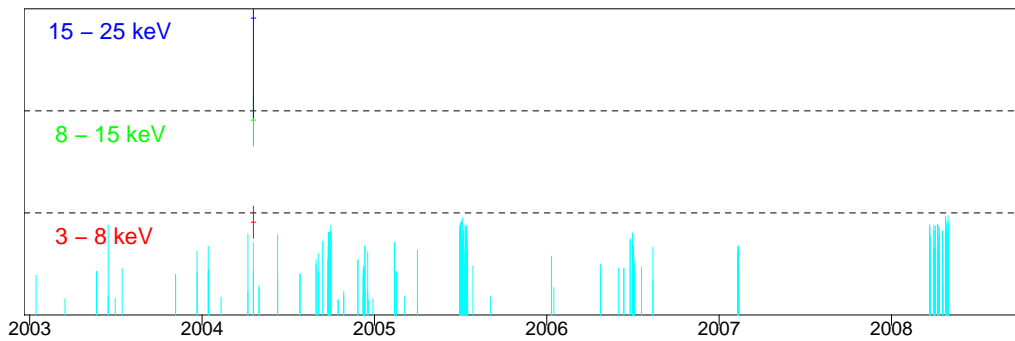
3A 0114+650 - RA = 19.516, Dec = 65.294



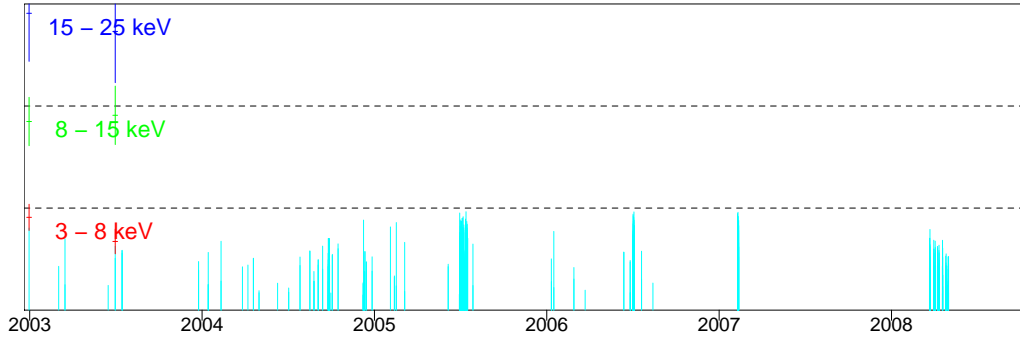
H 0115+634 - RA = 19.636, Dec = 63.742



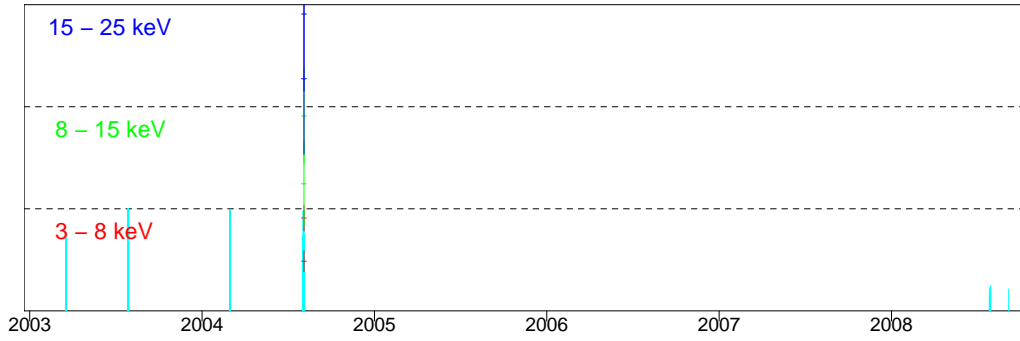
IGR J01363+6610 - RA = 23.967, Dec = 66.198



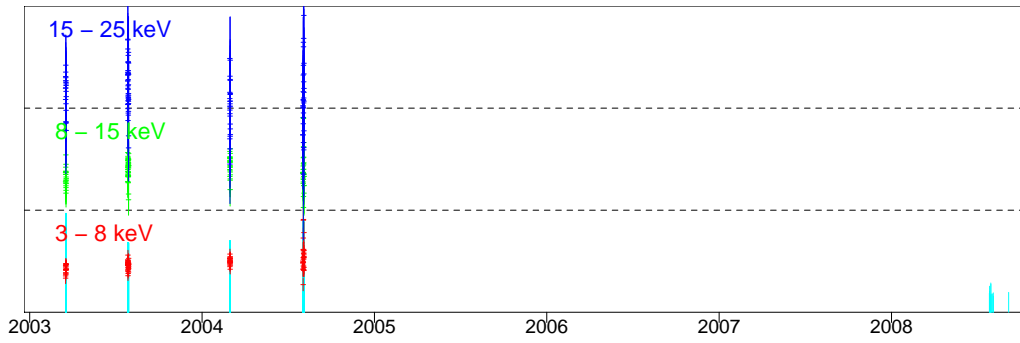
RX J0146.9+6121 - RA = 26.747, Dec = 61.349



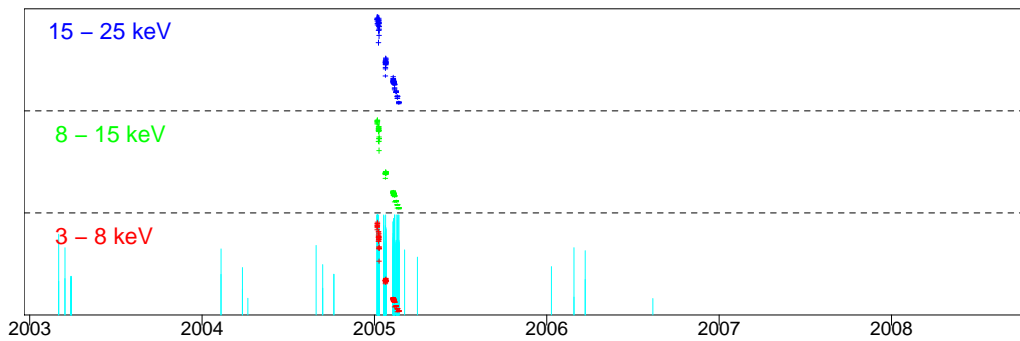
Algol - RA = 47.058, Dec = 40.964



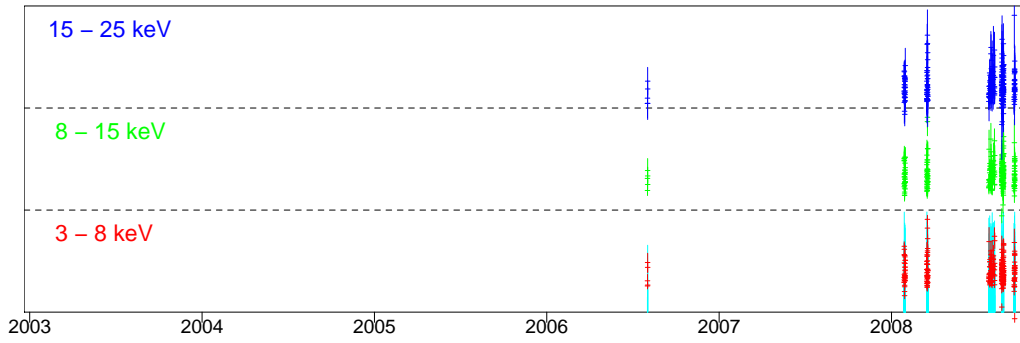
NGC 1275 - RA = 49.947, Dec = 41.513



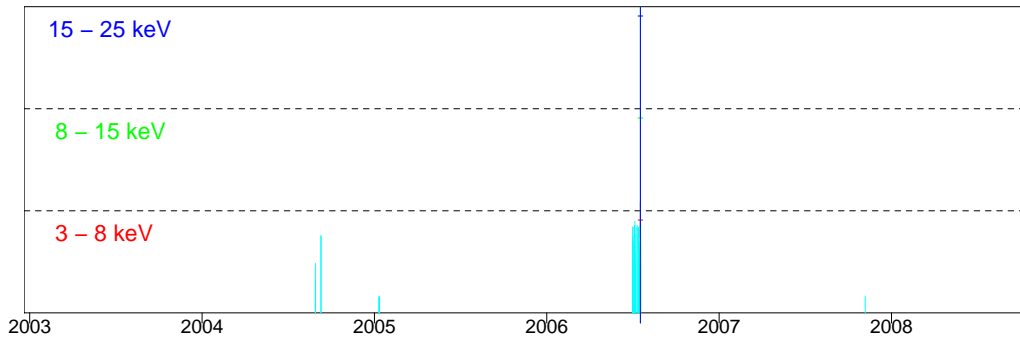
EXO 0331+530 - RA = 53.750, Dec = 53.171



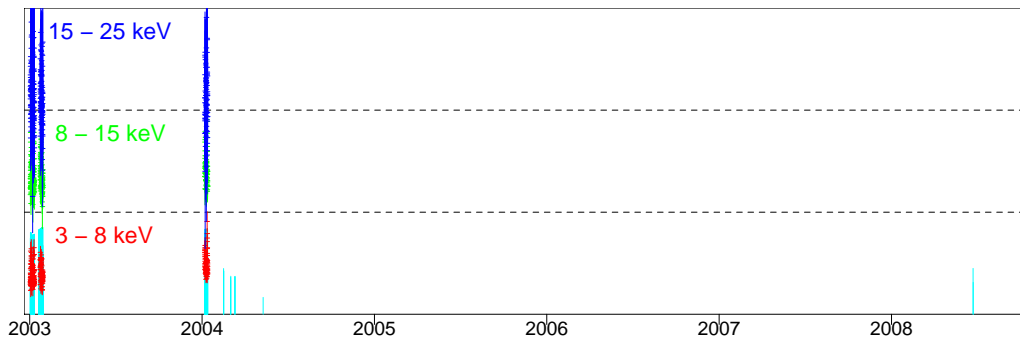
X Per - RA = 58.845, Dec = 31.046



1H 0512-401 - RA = 78.542, Dec = -40.041



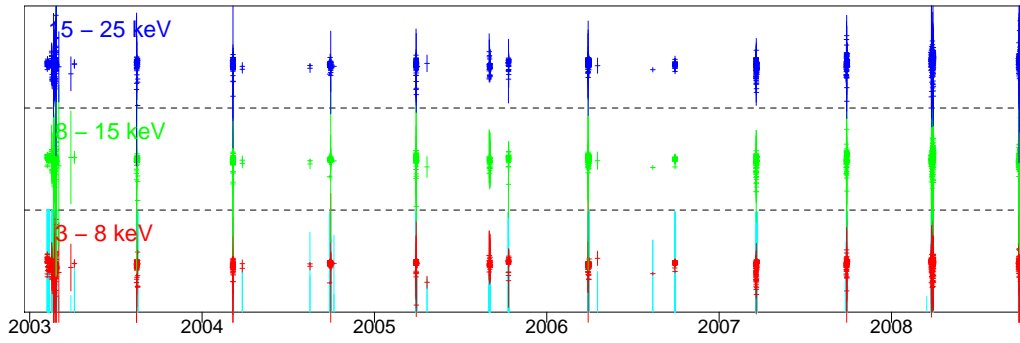
LMC X-2 - RA = 80.111, Dec = -71.959



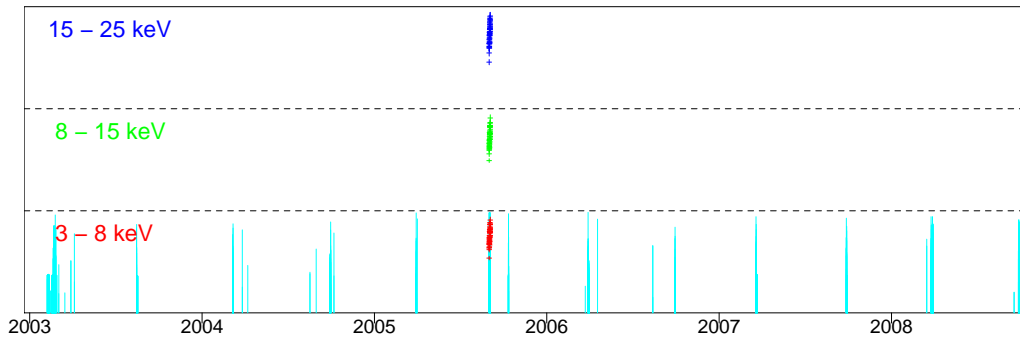
LMC X-4 - RA = 83.200, Dec = -66.370



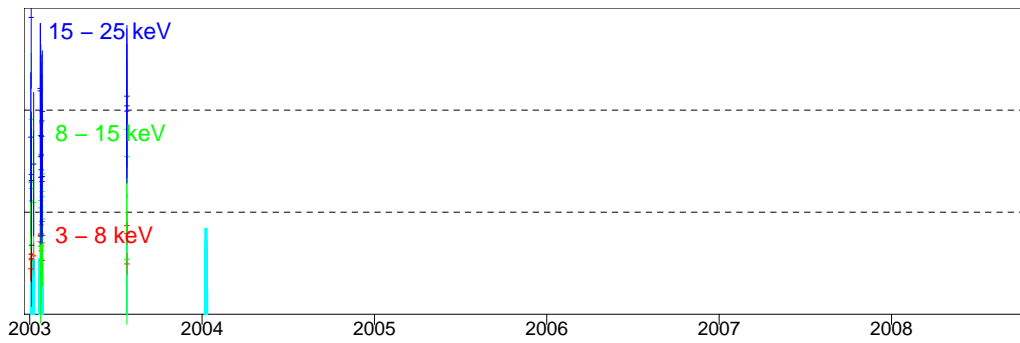
Crab Nebula - RA = 83.631, Dec = 22.017



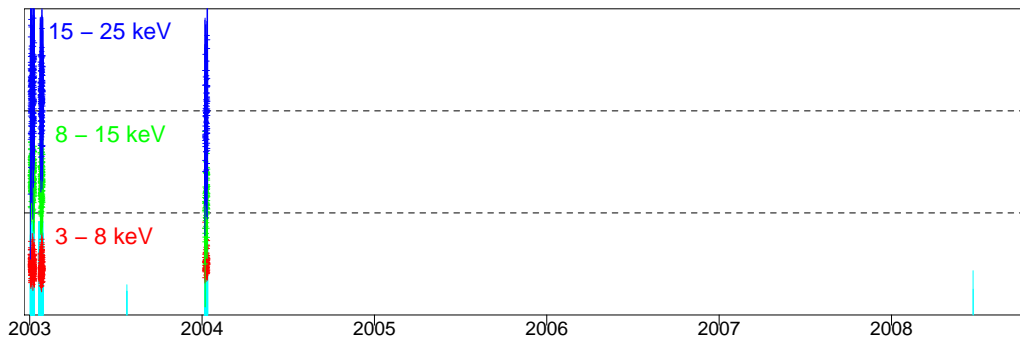
1A 0535+262 - RA = 84.728, Dec = 26.319



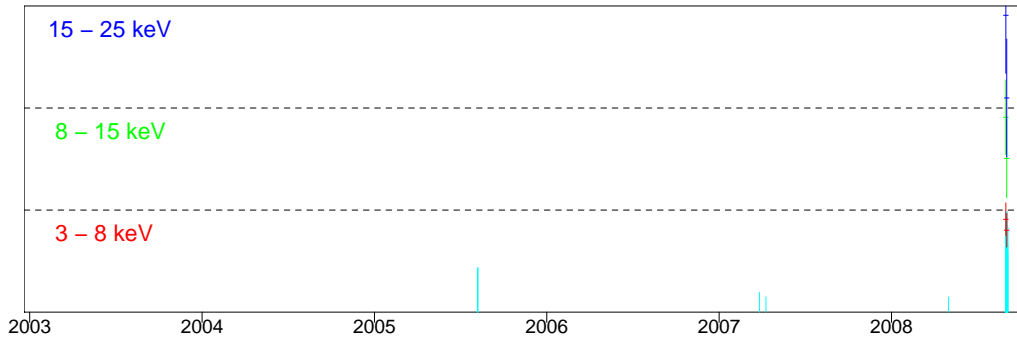
LMC X-3 - RA = 84.737, Dec = -64.086



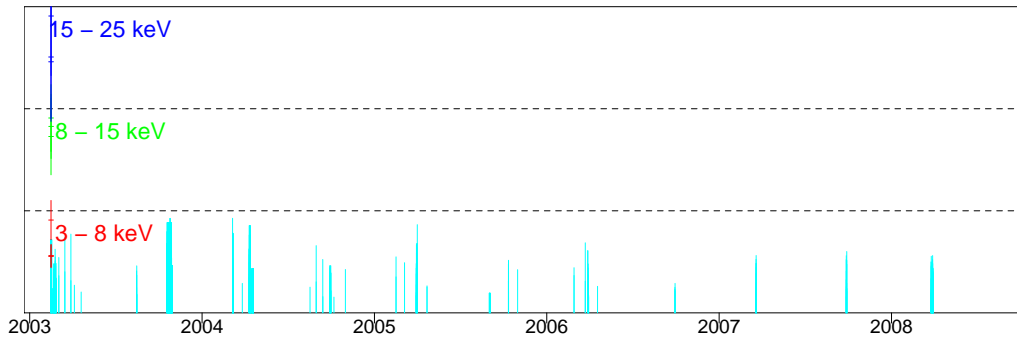
LMC X-1 - RA = 84.903, Dec = -69.743



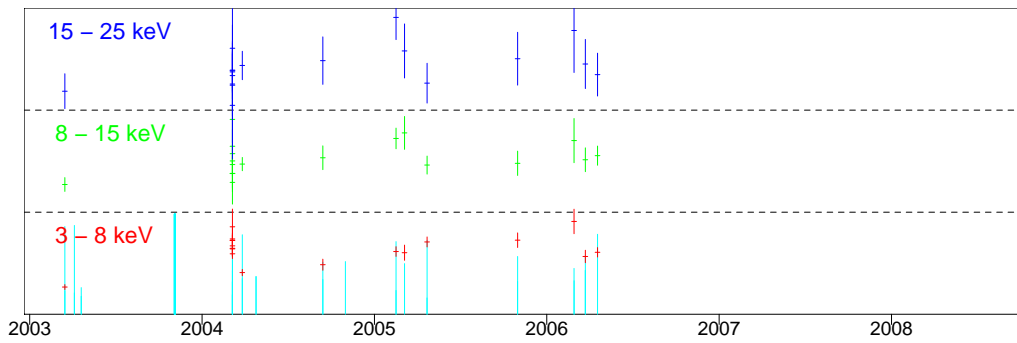
NGC 2110 - RA = 88.063, Dec = -7.448



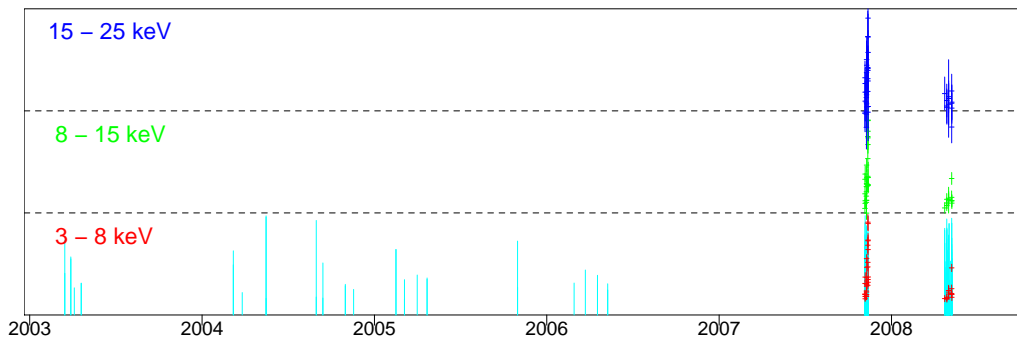
IGR J06074+2205 - RA = 91.868, Dec = 22.102



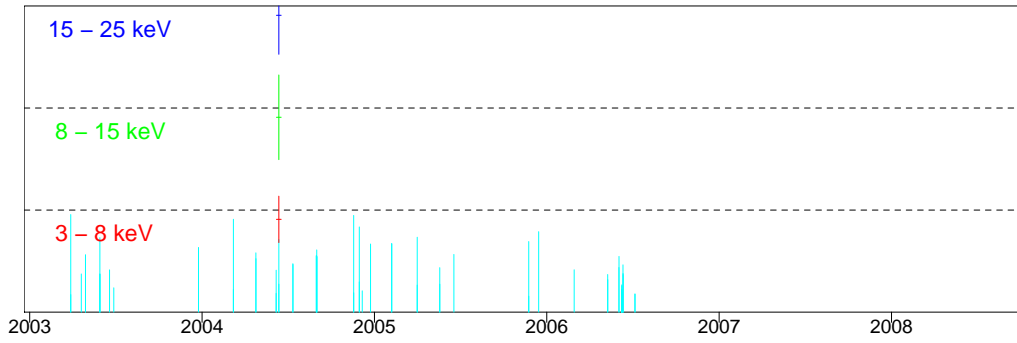
H 0614+091 - RA = 94.280, Dec = 9.139



3A 0656-072 - RA = 104.573, Dec = -7.211



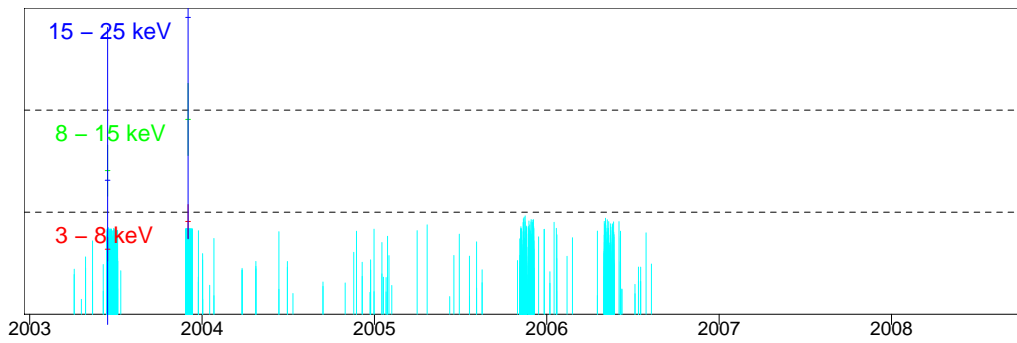
3A 0726-260 - RA = 112.214, Dec = -26.119



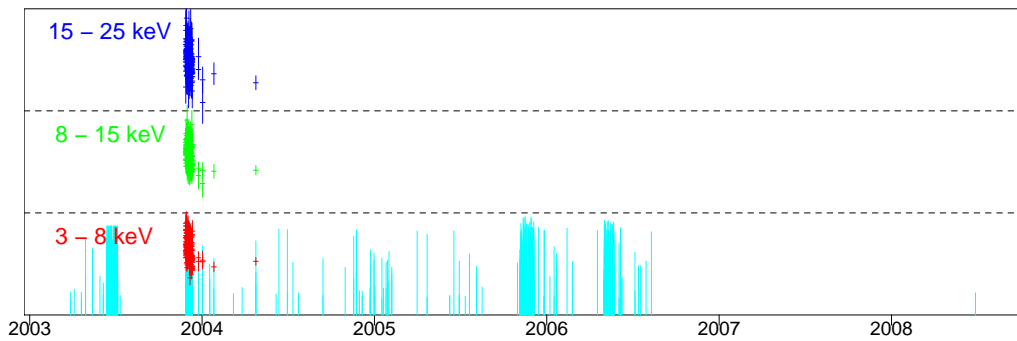
EXO 0748-676 - RA = 117.134, Dec = -67.754



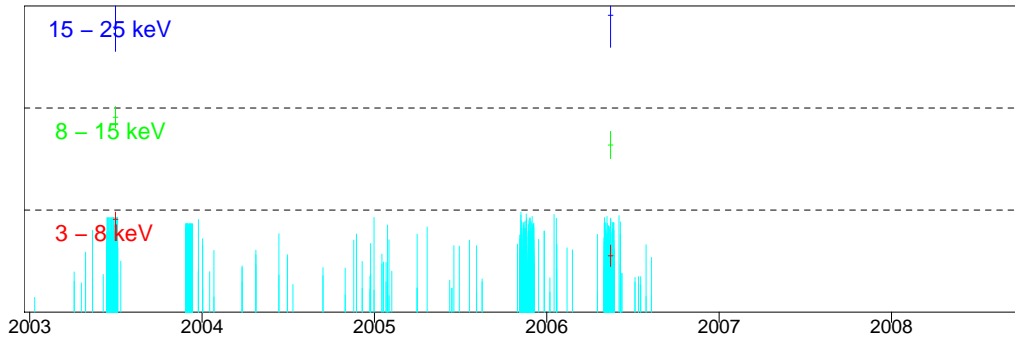
Vela Pulsar - RA = 128.820, Dec = -45.196



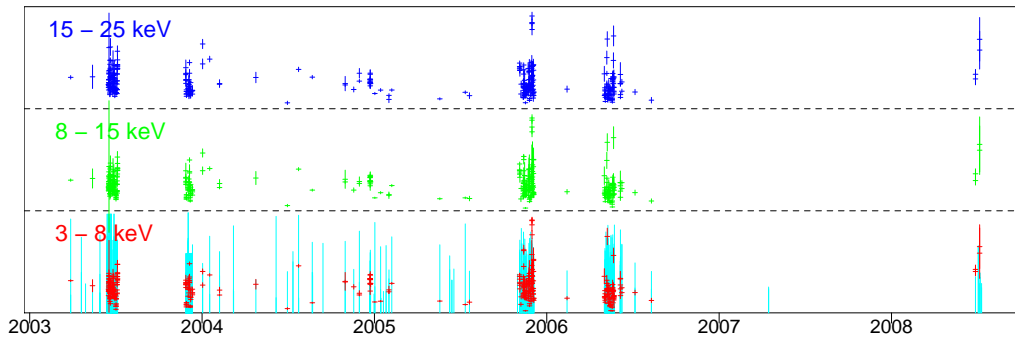
Ginga 0836-429 - RA = 129.346, Dec = -42.899



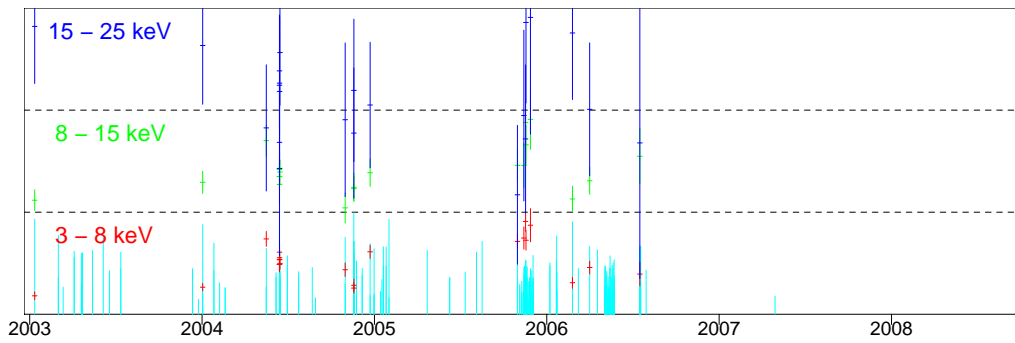
IGR J08408-4503 - RA = 130.192, Dec = -45.053



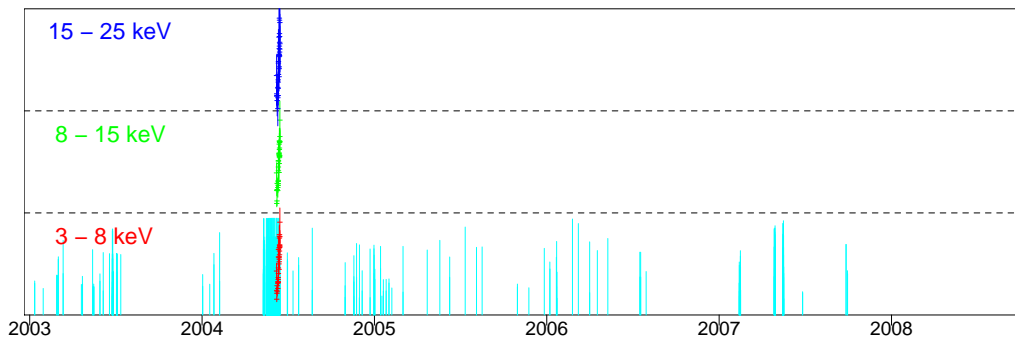
Vela X-1 - RA = 135.527, Dec = -40.554



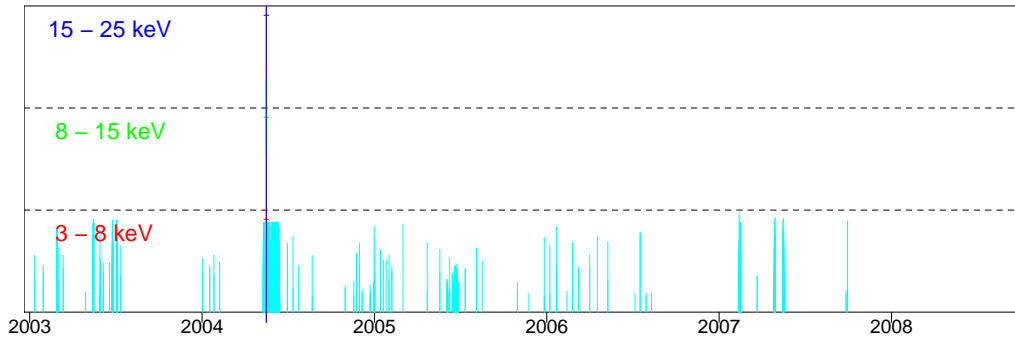
H 0918-549 - RA = 140.112, Dec = -55.205



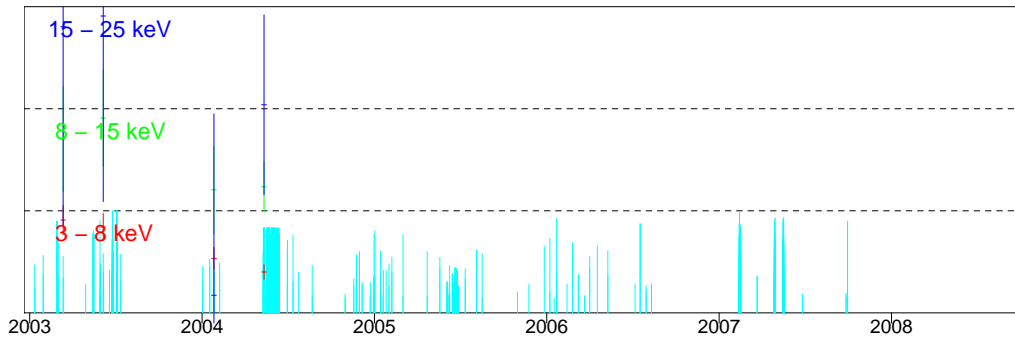
GRO J1008-57 - RA = 152.444, Dec = -58.295



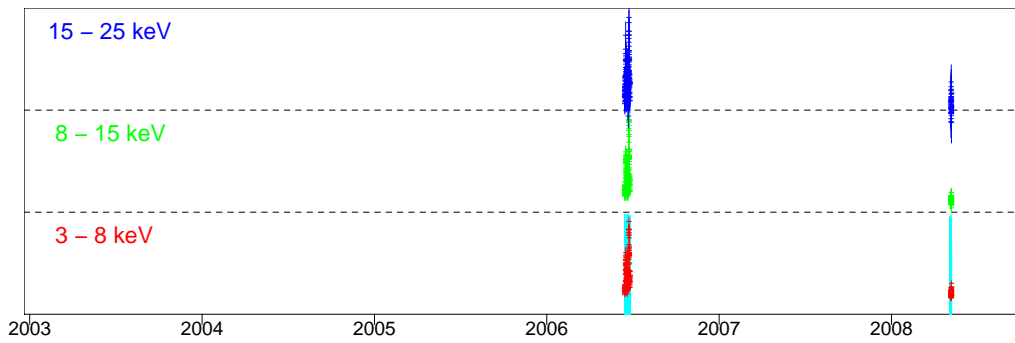
IGR J10447-6027 - RA = 161.099, Dec = -60.374



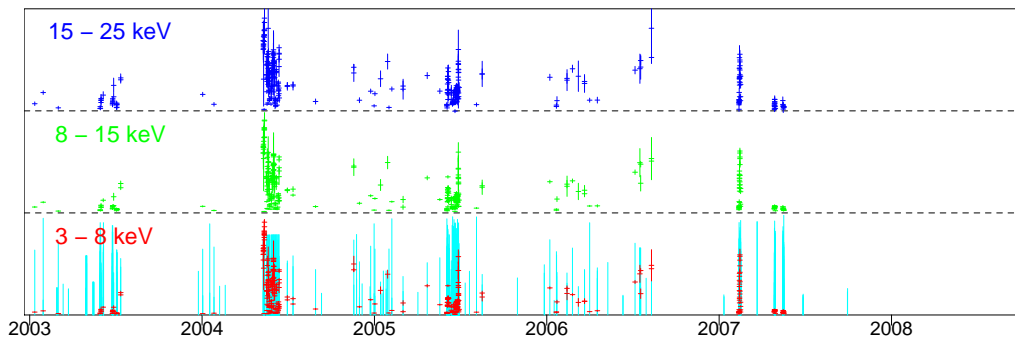
1H 1045-597 - RA = 161.278, Dec = -59.686



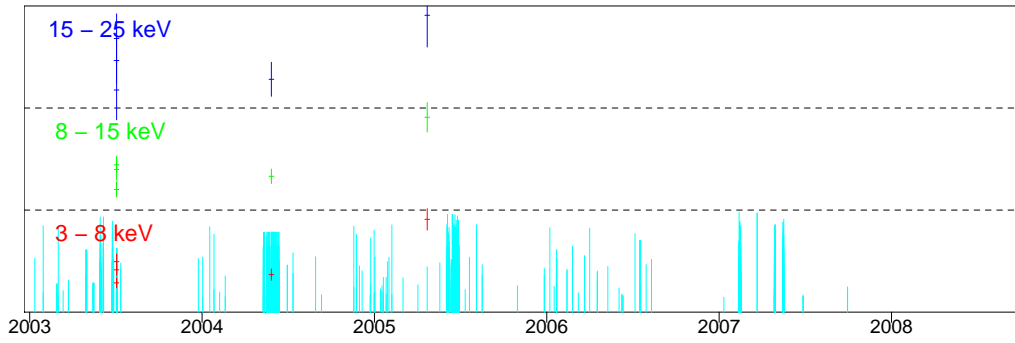
Mrk 421 - RA = 166.112, Dec = 38.207



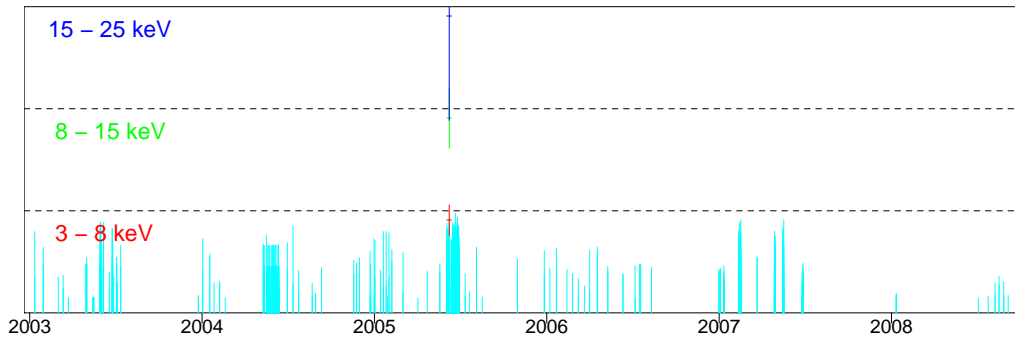
Cen X-3 - RA = 170.313, Dec = -60.624



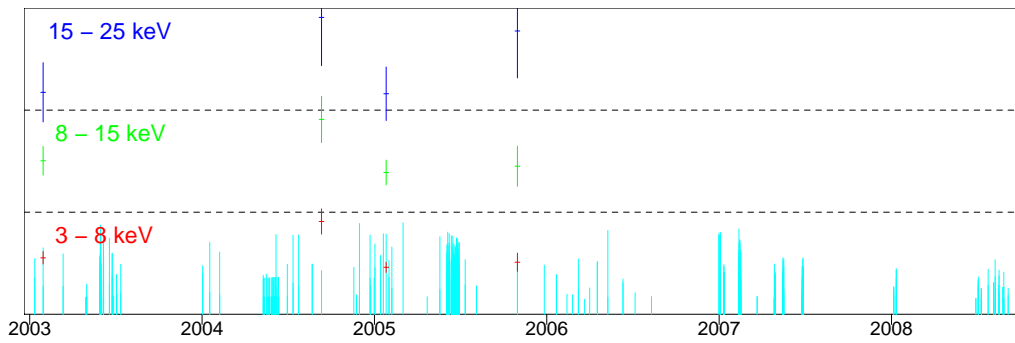
IGR J11215-5952 - RA = 170.438, Dec = -59.861



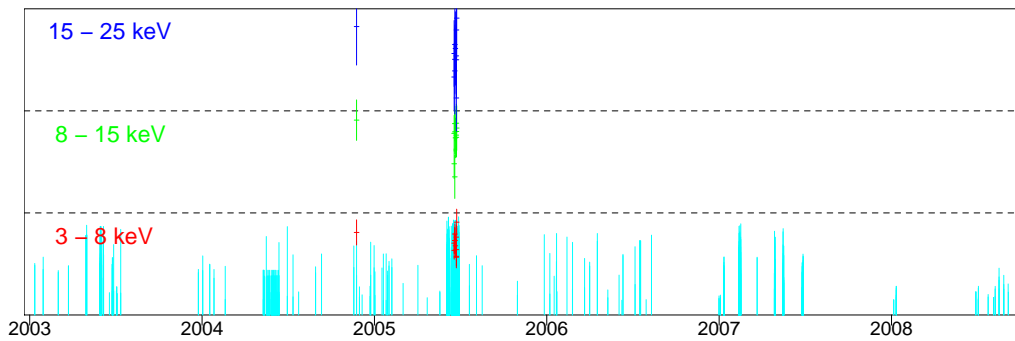
IGR J11305-6256 - RA = 172.769, Dec = -62.970



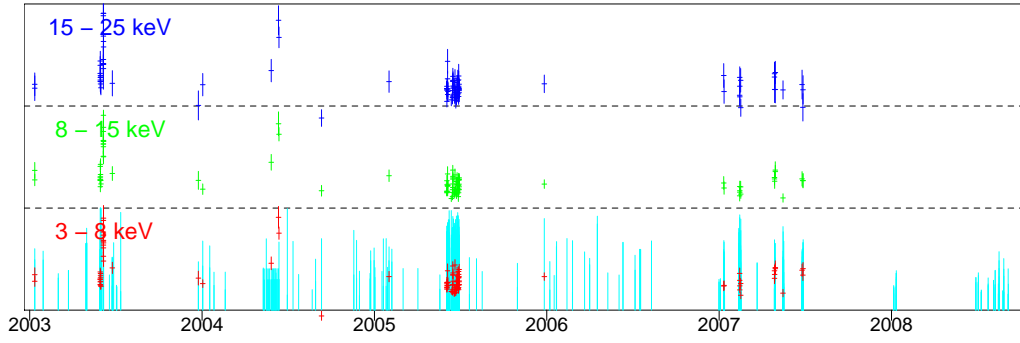
HR 4492 - RA = 174.882, Dec = -65.395



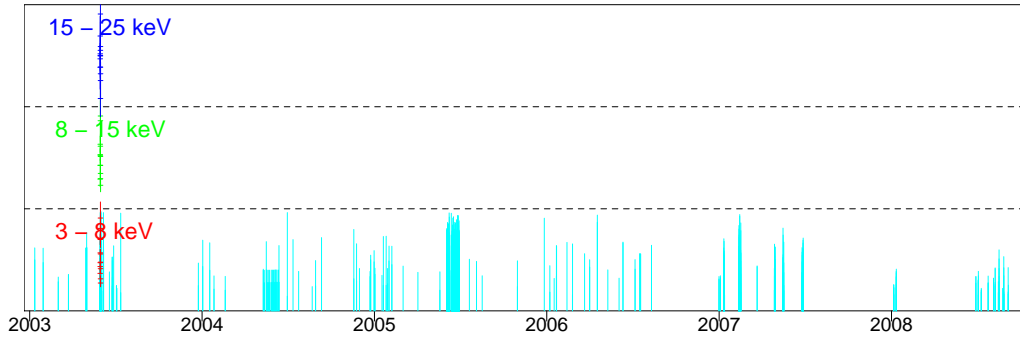
IGR J11435-6109 - RA = 176.013, Dec = -61.122



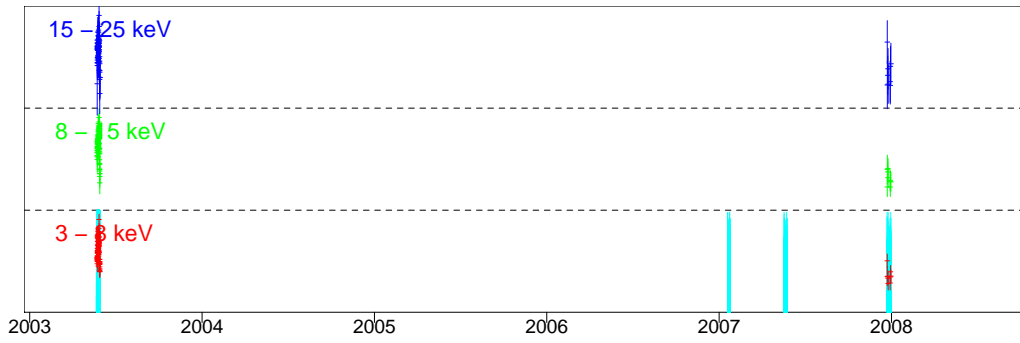
1E 1145.1-6141 - RA = 176.867, Dec = -61.954



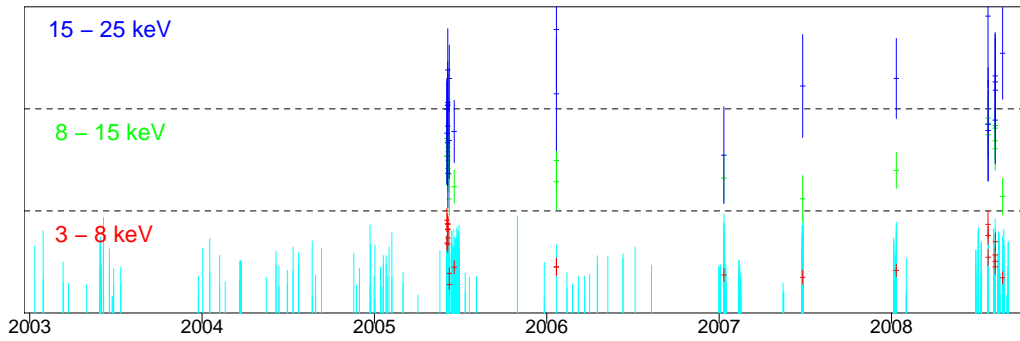
H 1145-619 - RA = 176.998, Dec = -62.208



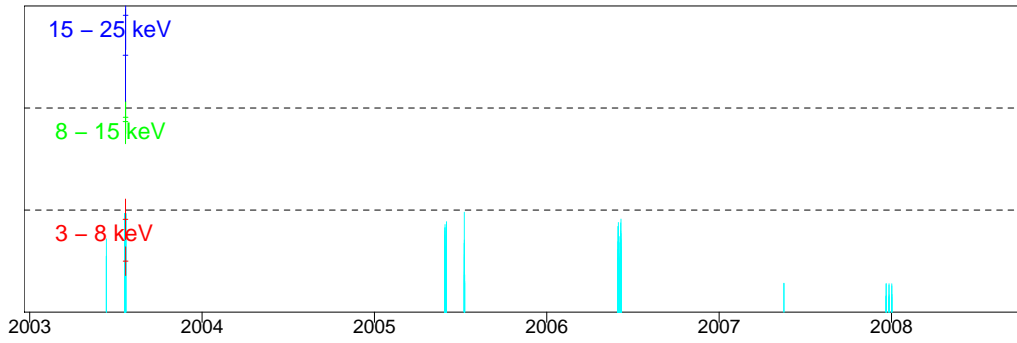
NGC 4151 - RA = 182.636, Dec = 39.407



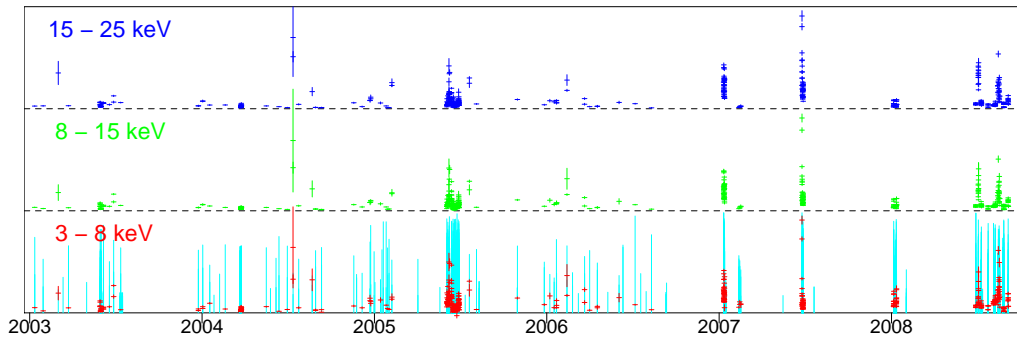
4U 1210-64 - RA = 183.305, Dec = -64.877



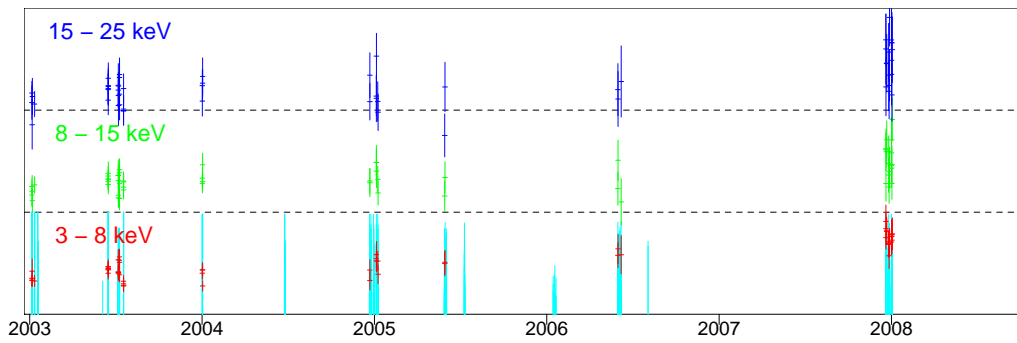
NGC 4388 - RA = 186.434, Dec = 12.652



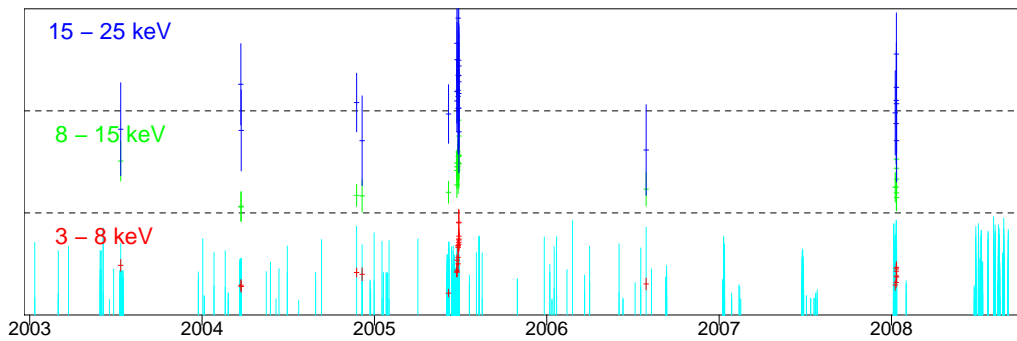
GX 301-2 - RA = 186.656, Dec = -62.771



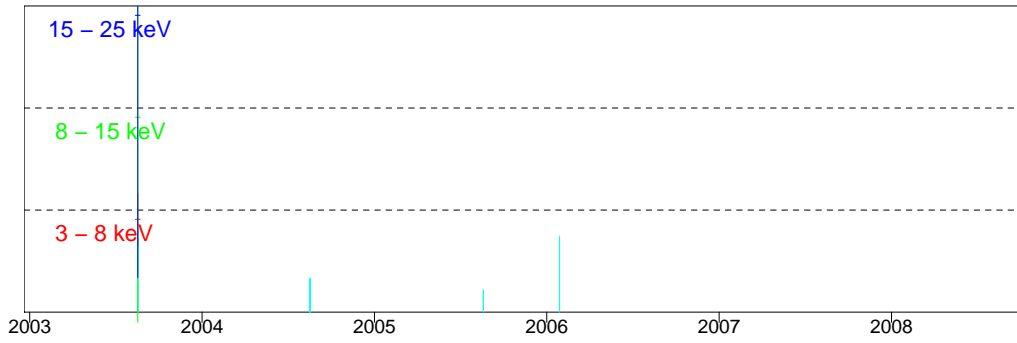
3C 273 - RA = 187.277, Dec = 2.051



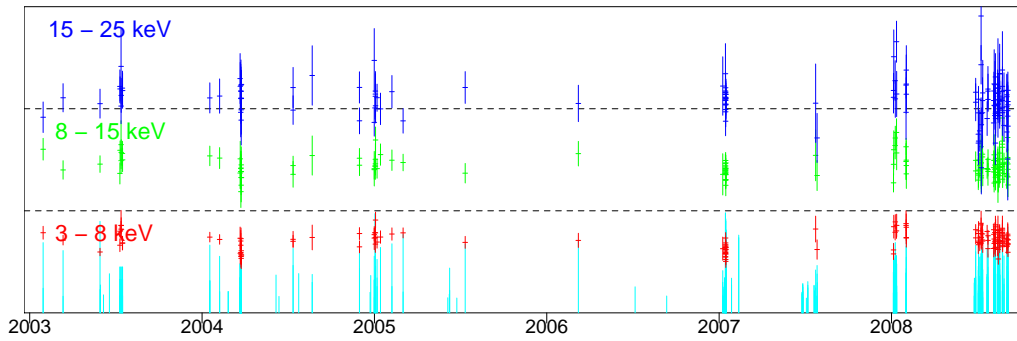
3A 1246-588 - RA = 192.419, Dec = -59.089



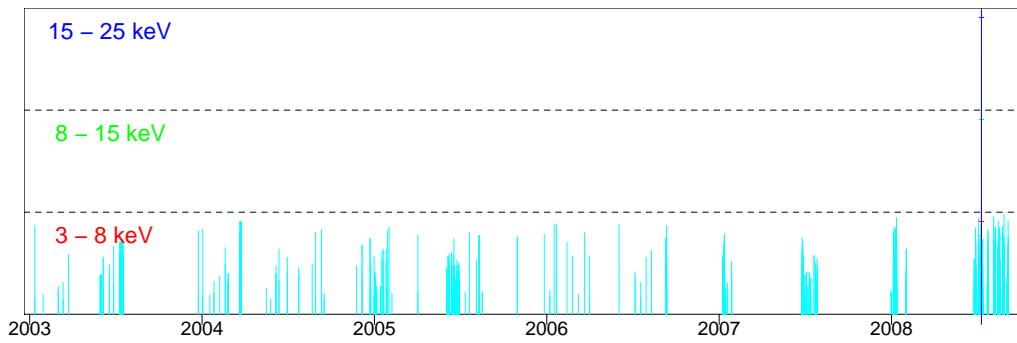
EX Hya - RA = 193.099, Dec = -29.269



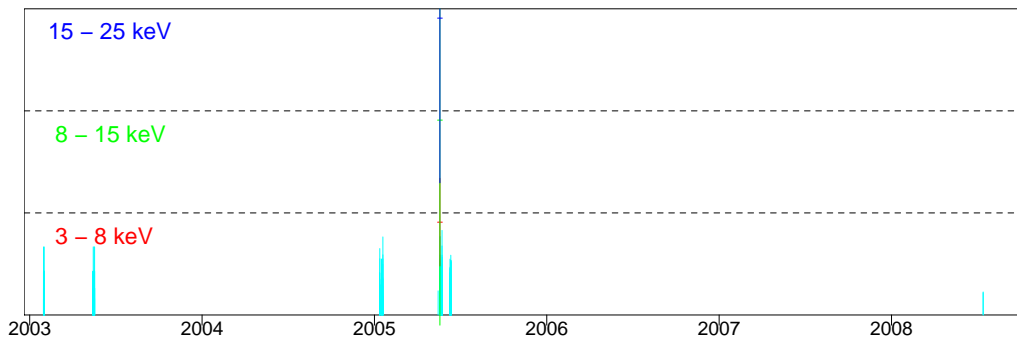
1H 1254-690 - RA = 194.404, Dec = -69.288



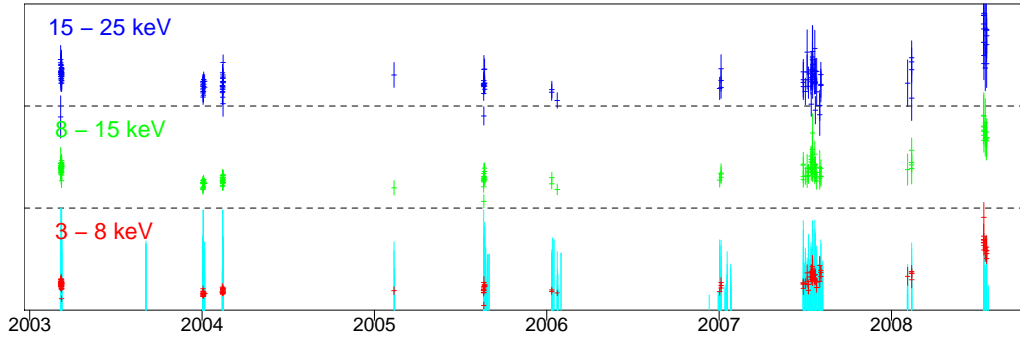
GX 304-1 - RA = 195.292, Dec = -61.599



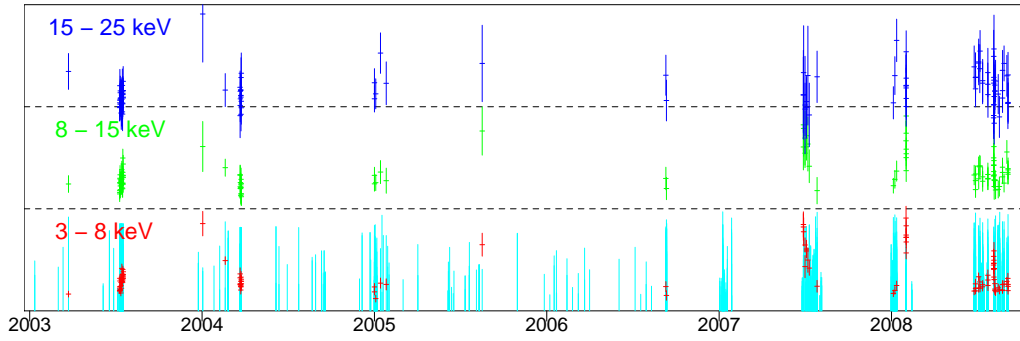
2EGS J1324+2210 - RA = 201.016, Dec = 22.166



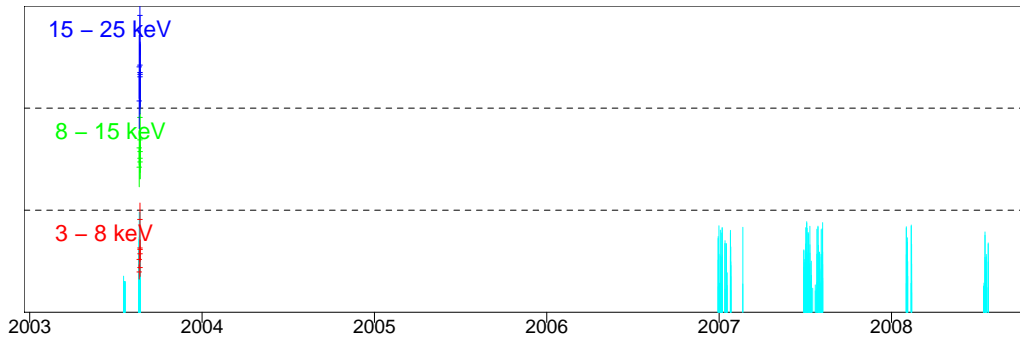
Cen A - RA = 201.366, Dec = -43.020



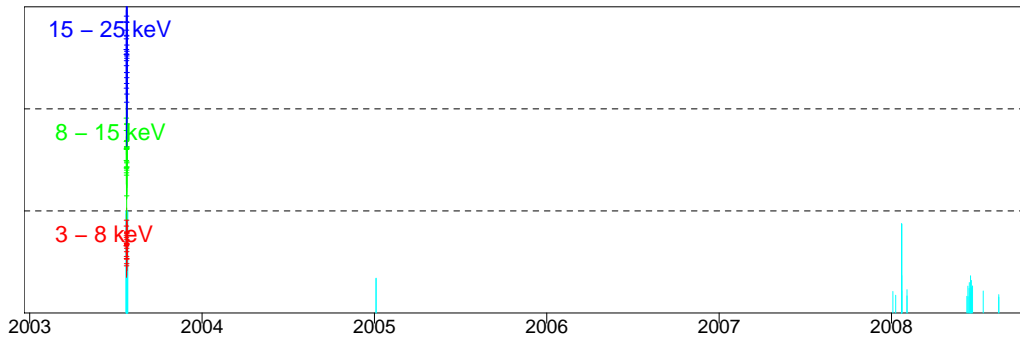
4U 1323-62 - RA = 201.655, Dec = -62.134



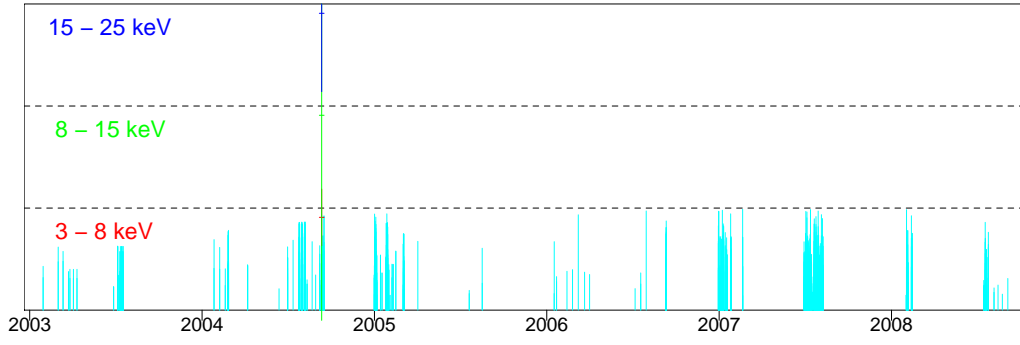
IC 4329A - RA = 207.323, Dec = -30.302



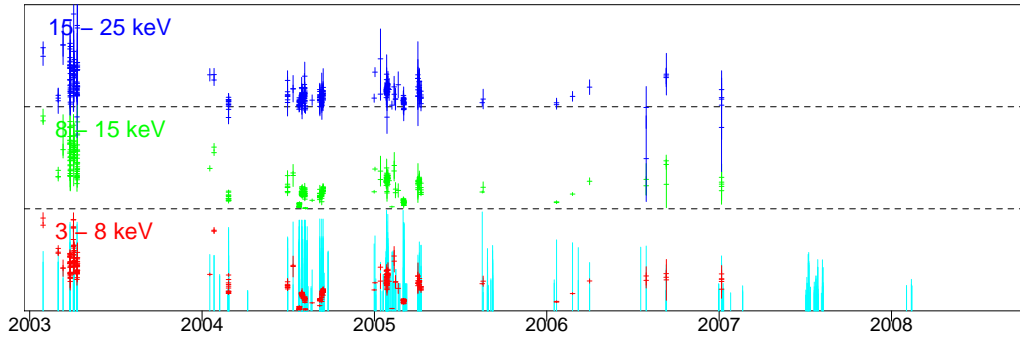
NGC 5506 - RA = 213.316, Dec = -3.209



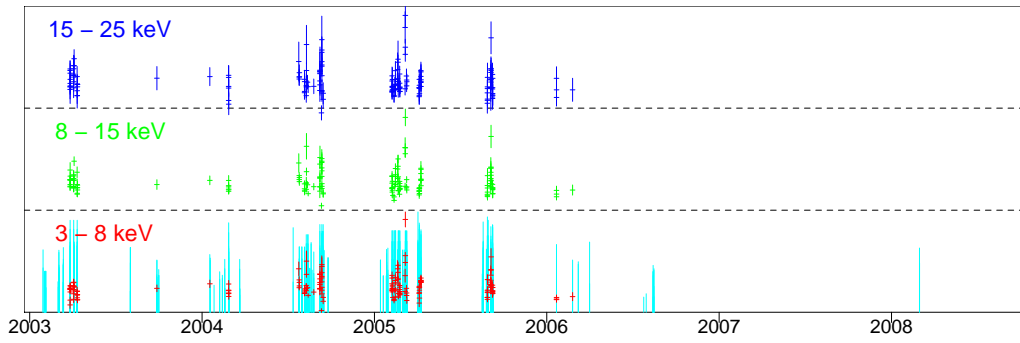
AX J1445.3-5949 - RA = 221.281, Dec = -59.869



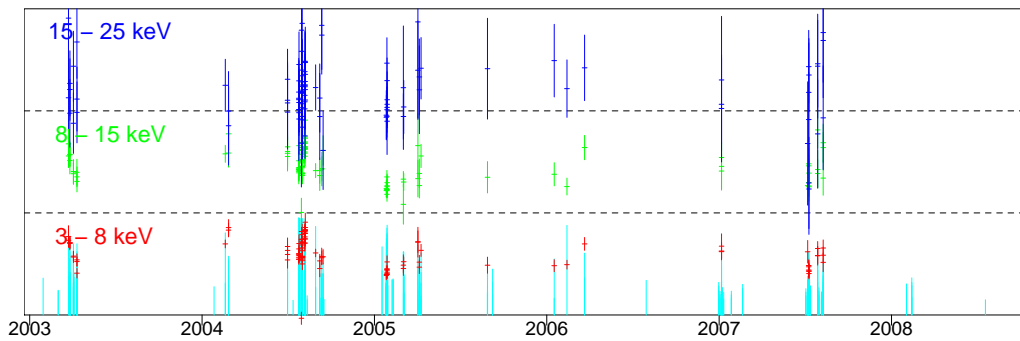
Cir X-1 - RA = 230.170, Dec = -57.167



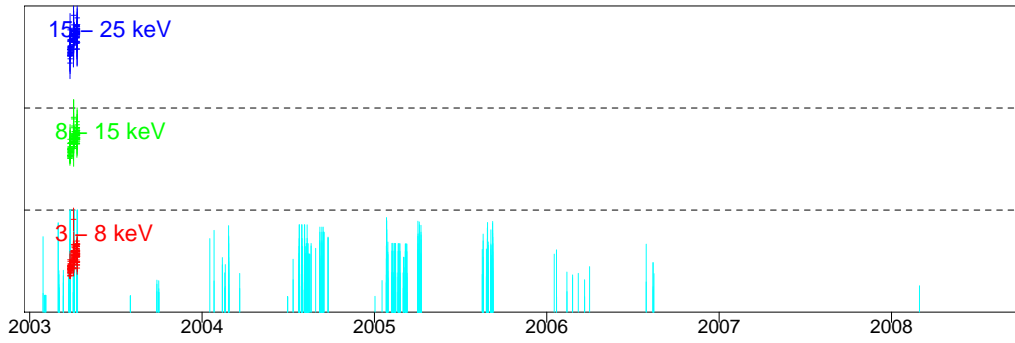
H 1538-522 - RA = 235.597, Dec = -52.387



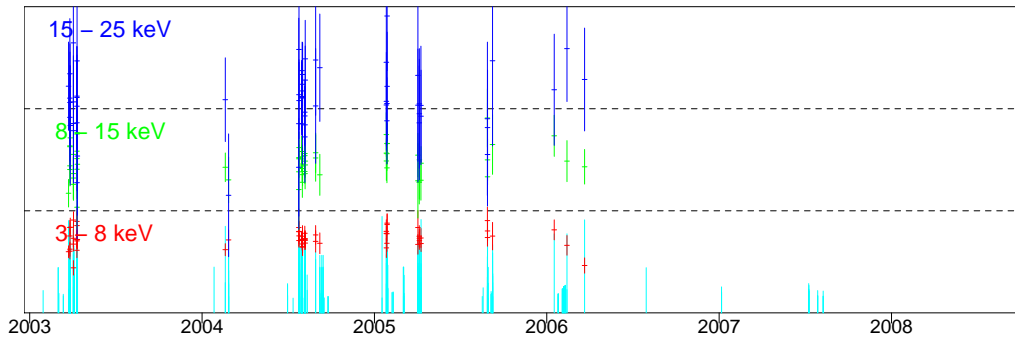
4U 1543-624 - RA = 236.979, Dec = -62.568



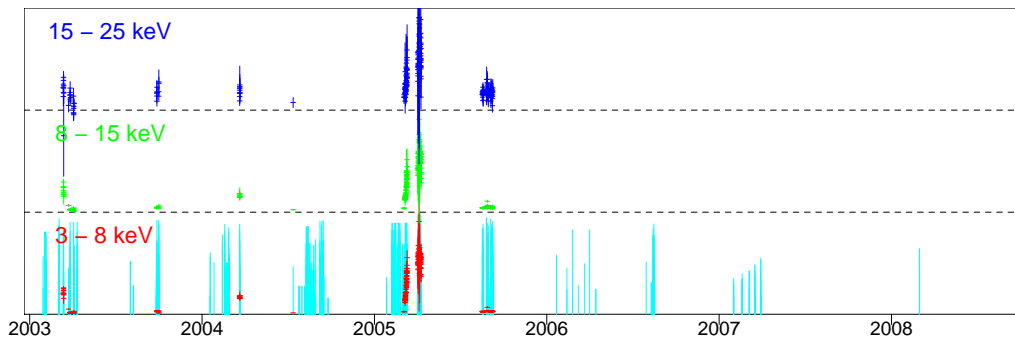
XTE J1550-564 - RA = 237.743, Dec = -56.477



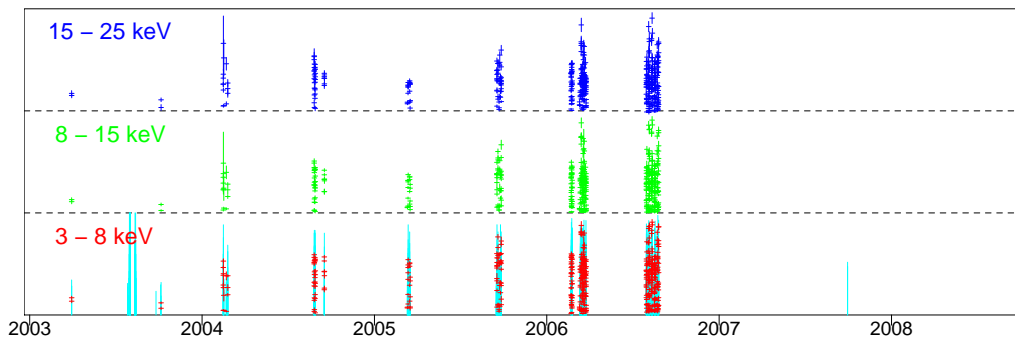
1H 1556-605 - RA = 240.258, Dec = -60.737



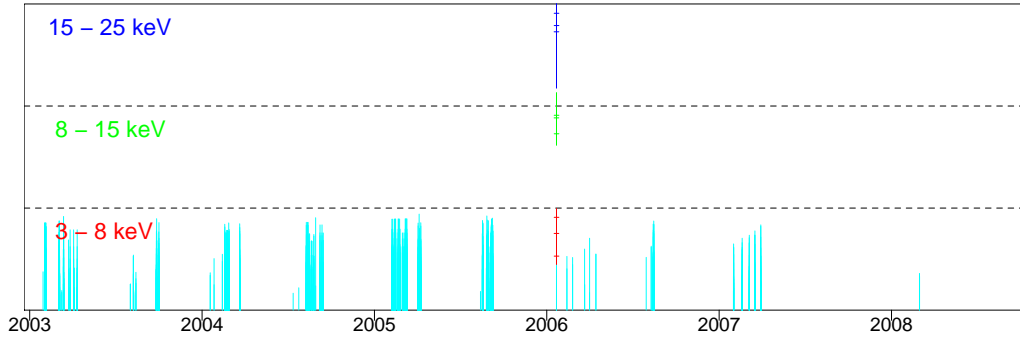
H 1608-522 - RA = 243.180, Dec = -52.423



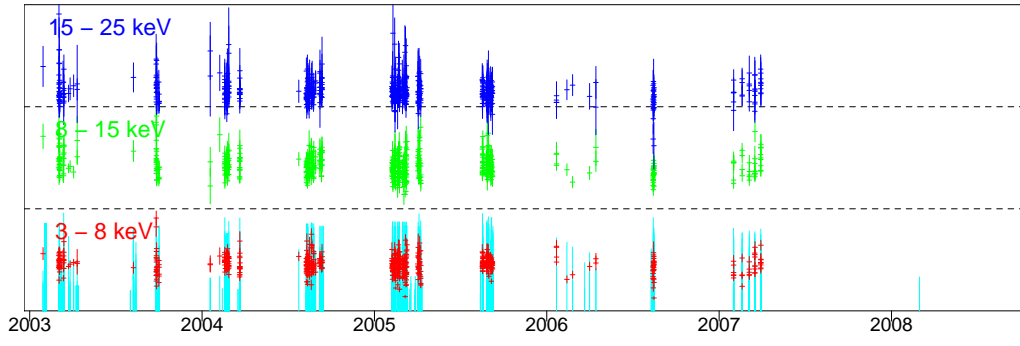
Sco X-1 - RA = 244.979, Dec = -15.641



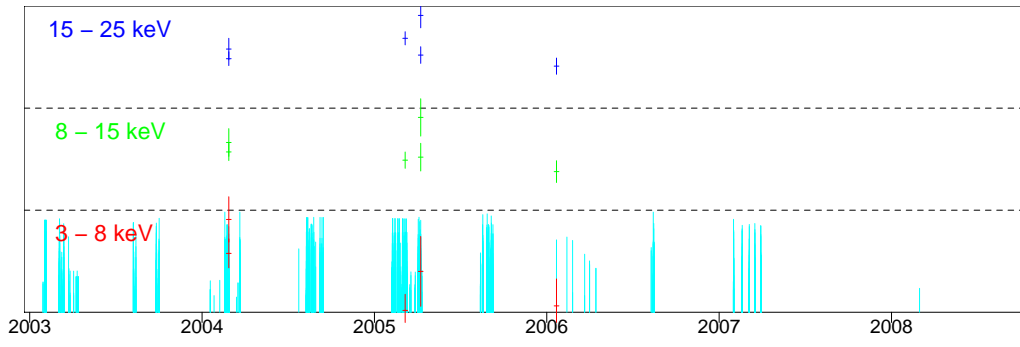
SWIFT J1626.6-5156 - RA = 246.655, Dec = -51.933



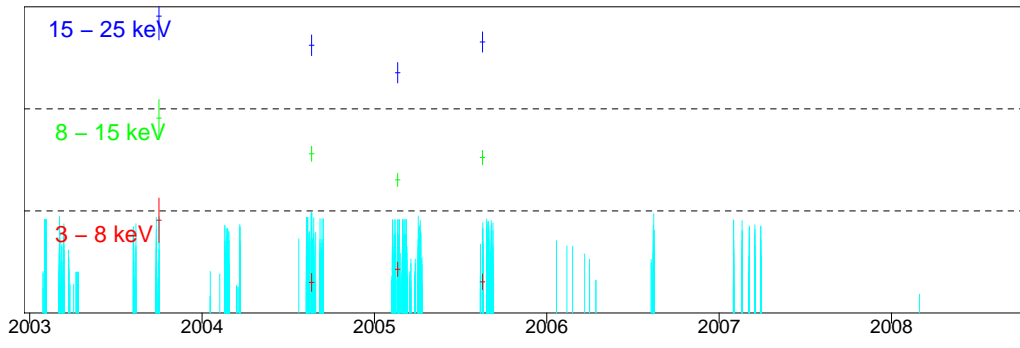
H 1624-490 - RA = 247.012, Dec = -49.198



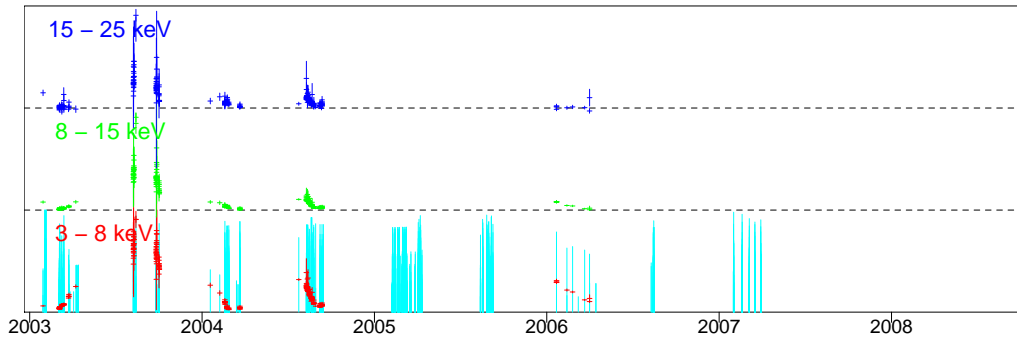
IGR J16318-4848 - RA = 247.947, Dec = -48.817



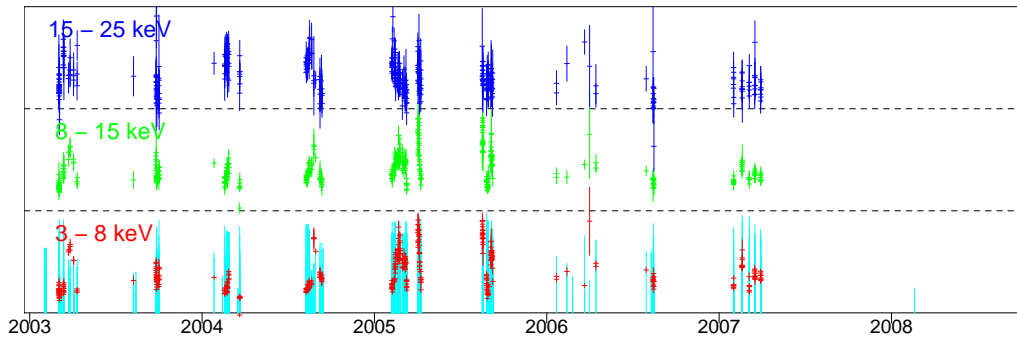
IGR J16320-4751 - RA = 248.013, Dec = -47.873



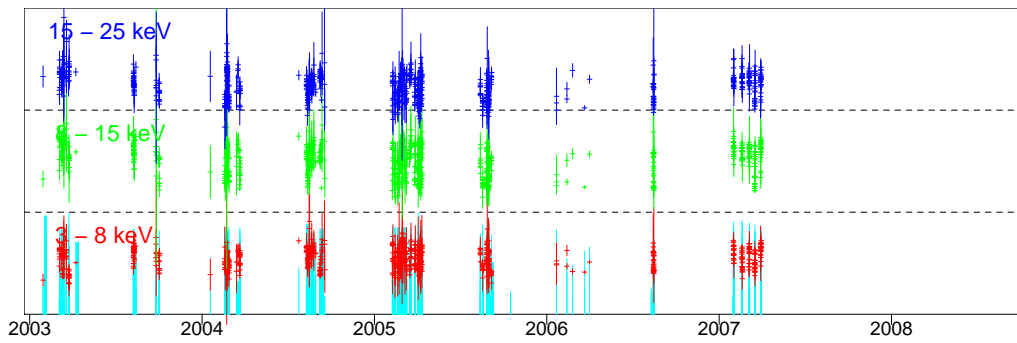
4U 1630-47 - RA = 248.507, Dec = -47.393



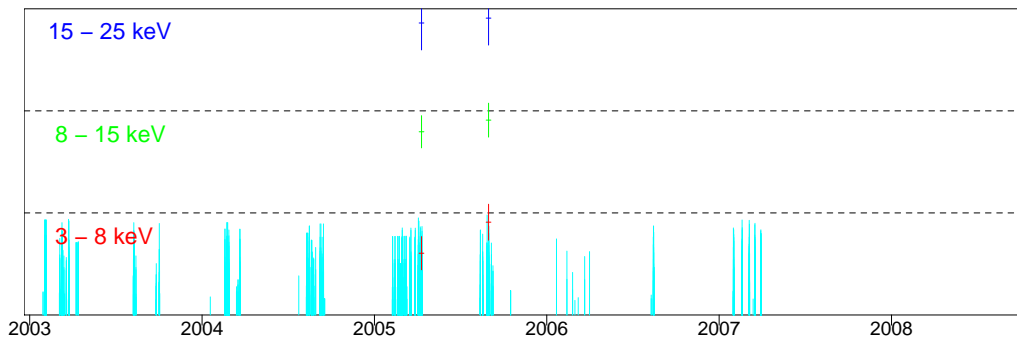
H 1636-536 - RA = 250.231, Dec = -53.751



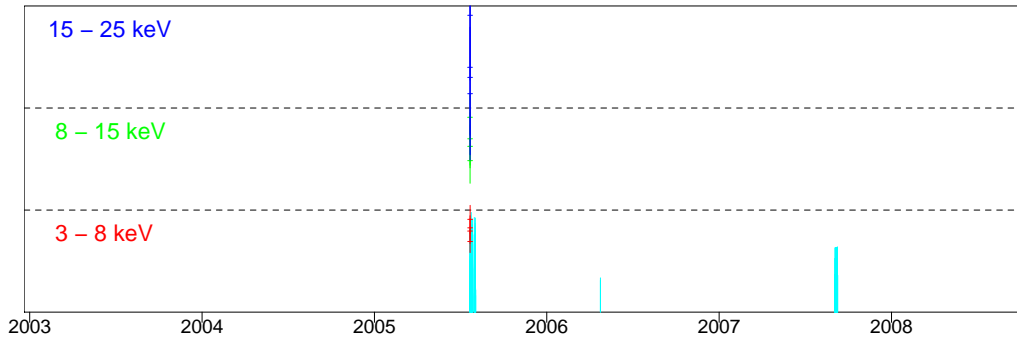
GX 340+0 - RA = 251.449, Dec = -45.611



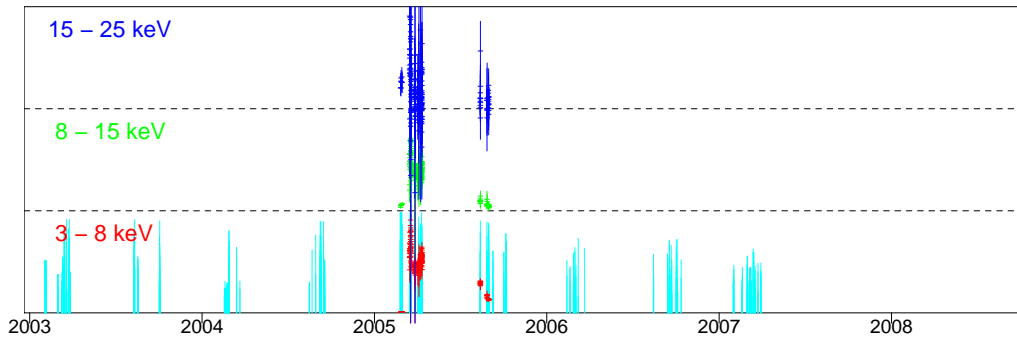
IGR J16479-4514 - RA = 252.016, Dec = -45.217



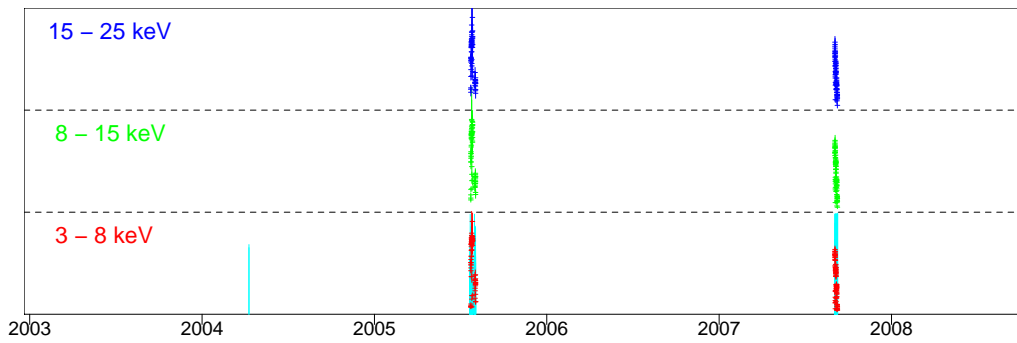
Mrk 501 - RA = 253.456, Dec = 39.750



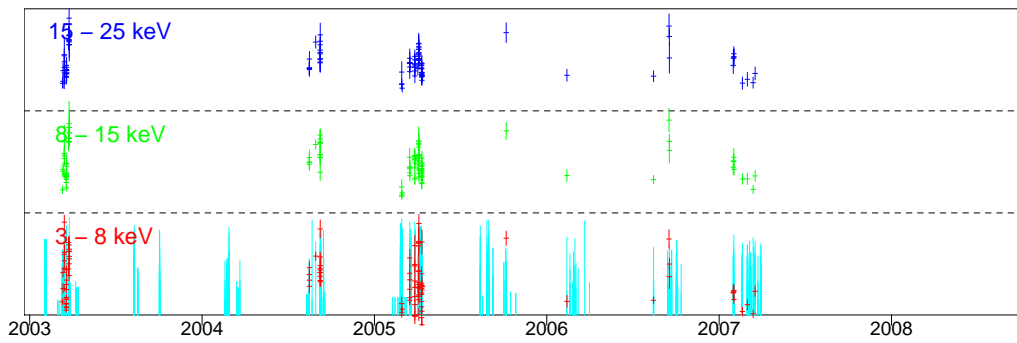
GRO J1655-40 - RA = 253.500, Dec = -39.846



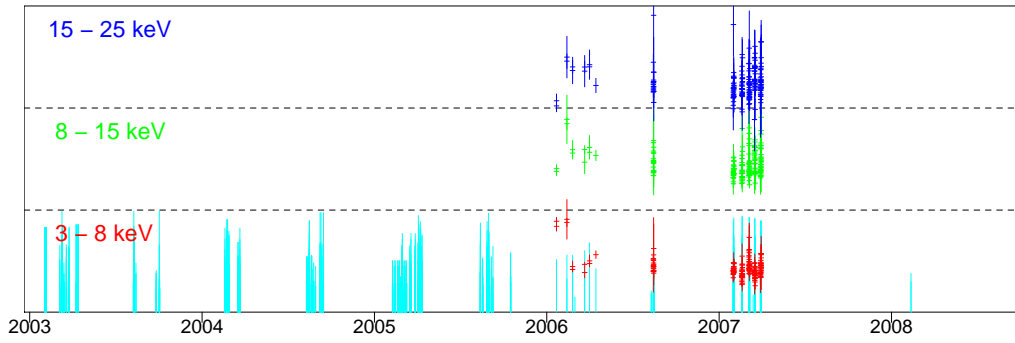
Her X-1 - RA = 254.455, Dec = 35.341



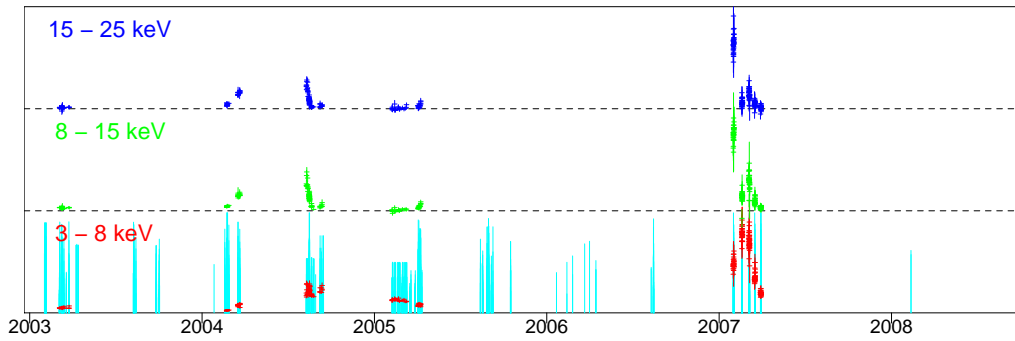
OA0 1657-415 - RA = 255.202, Dec = -41.657



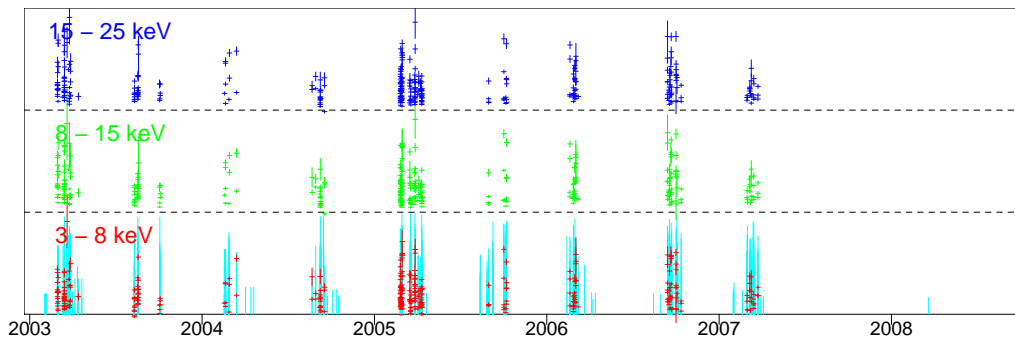
XTE J1701-462 - RA = 255.245, Dec = -46.184



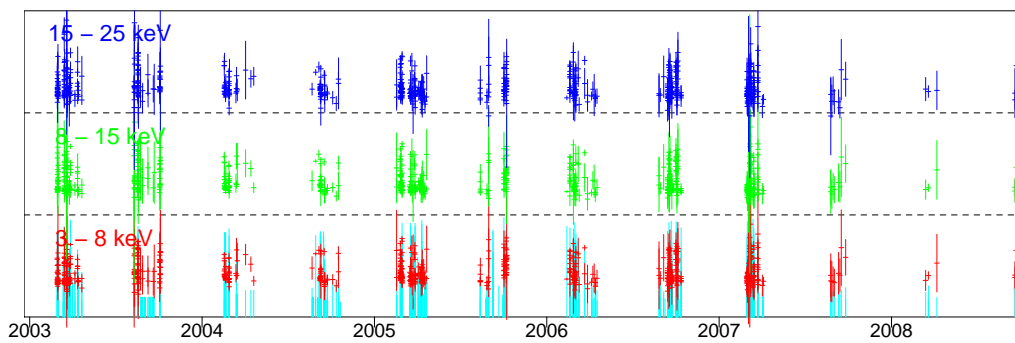
GX 339-4 - RA = 255.706, Dec = -48.788



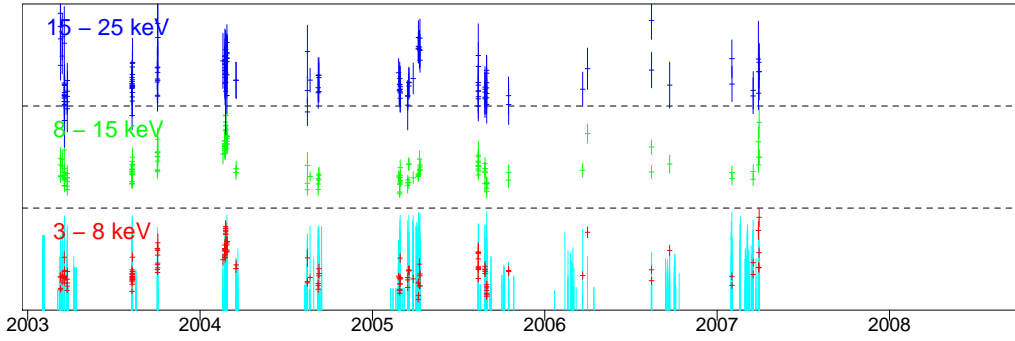
4U 1700-377 - RA = 255.986, Dec = -37.844



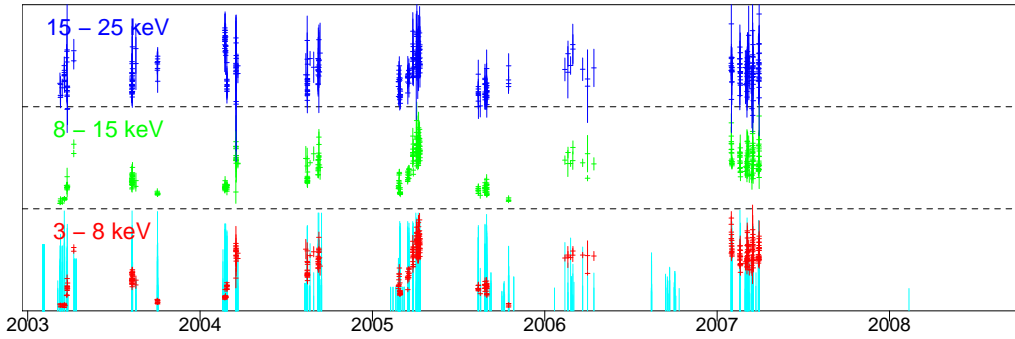
GX 349+2 - RA = 256.436, Dec = -36.423



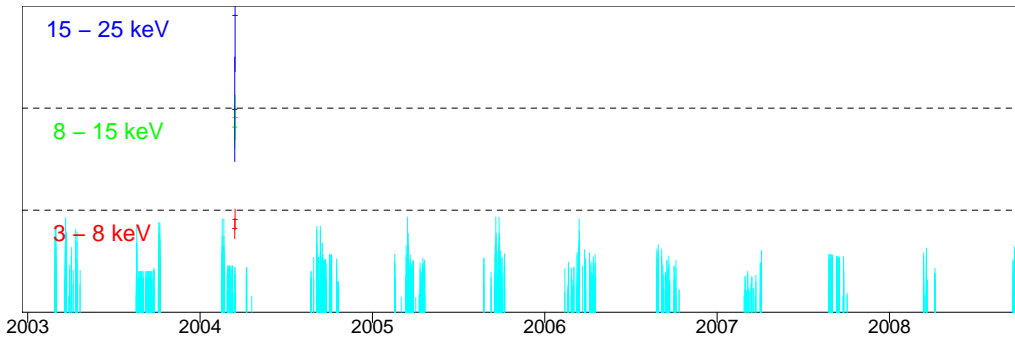
H 1702-429 - RA = 256.565, Dec = -43.038



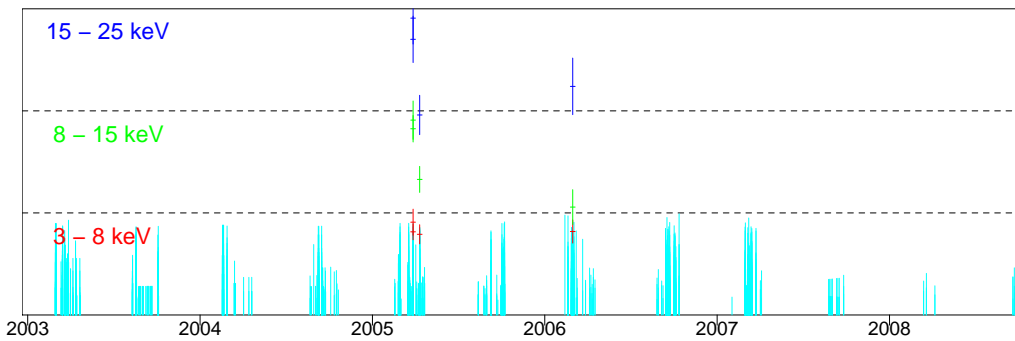
H 1705-440 - RA = 257.227, Dec = -44.101



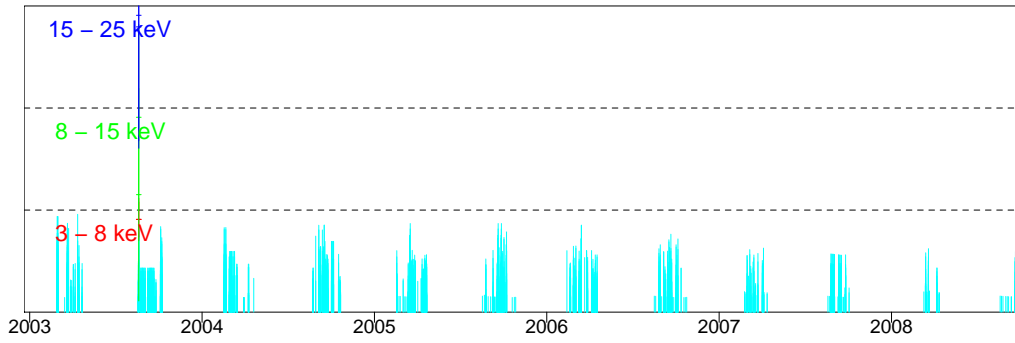
XTE J1709-267 - RA = 257.377, Dec = -26.658



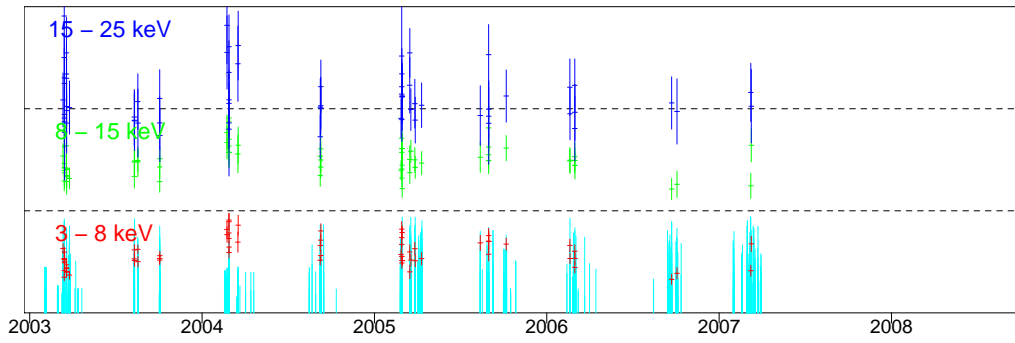
IGR J17098-3628 - RA = 257.455, Dec = -36.454



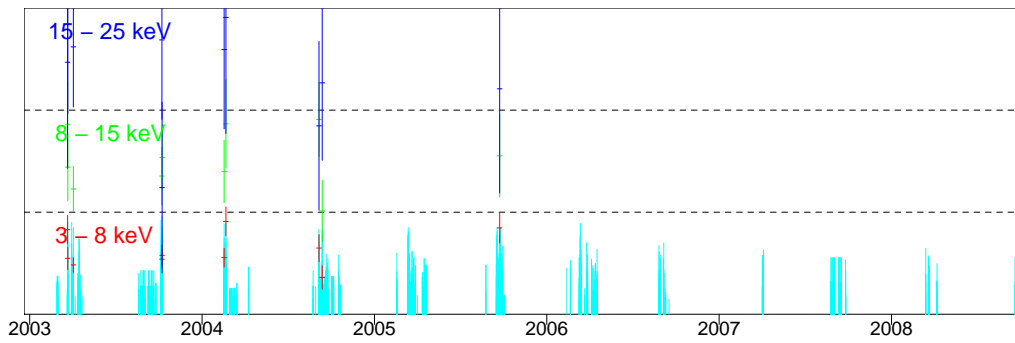
XTE J1710-281 - RA = 257.564, Dec = -28.138



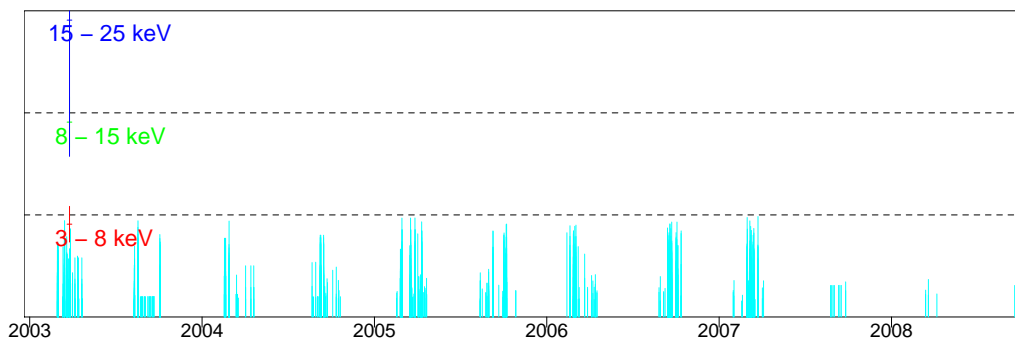
4U 1708-40 - RA = 258.099, Dec = -40.841



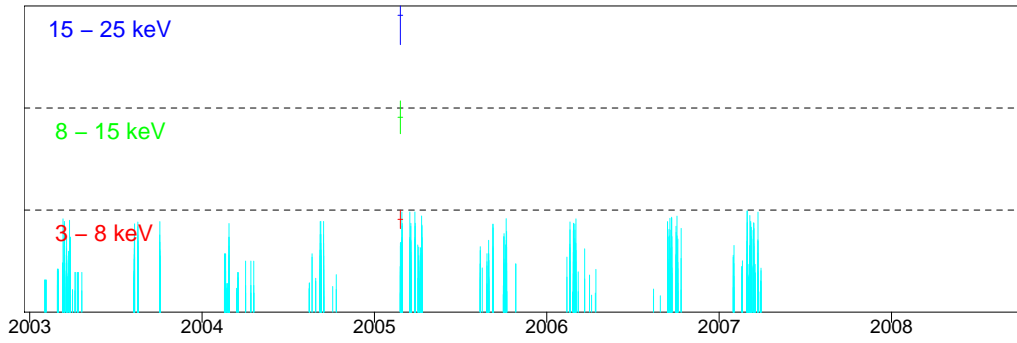
Oph Cluster - RA = 258.110, Dec = -23.353



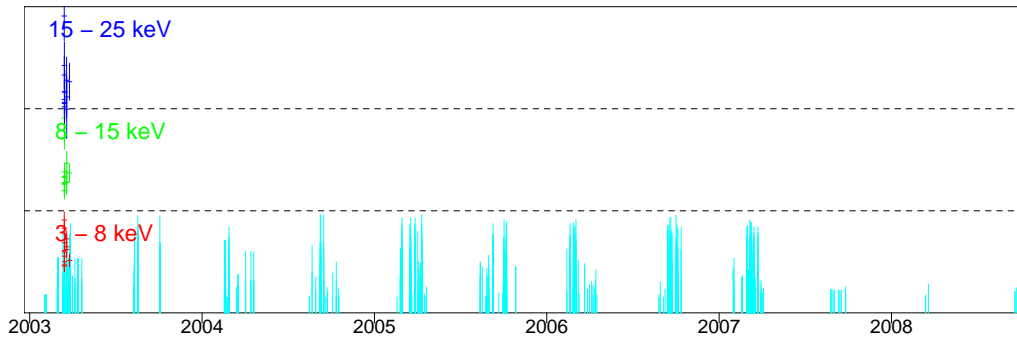
SAX J1712.6-3739 - RA = 258.147, Dec = -37.652



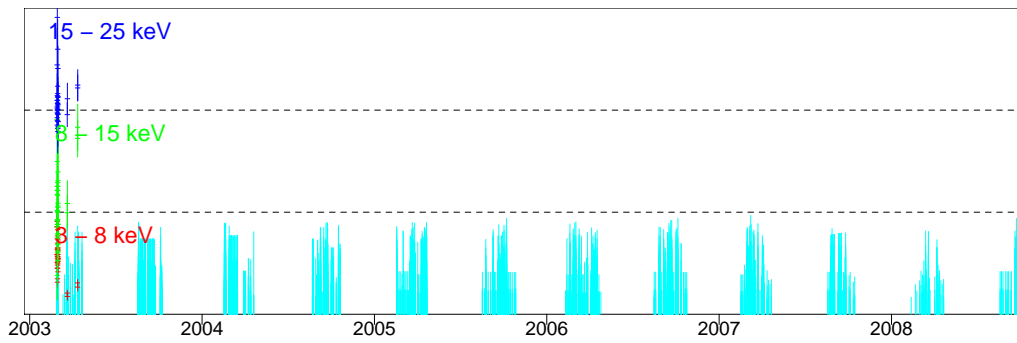
RX J1713.7-3946 - RA = 258.362, Dec = -39.727



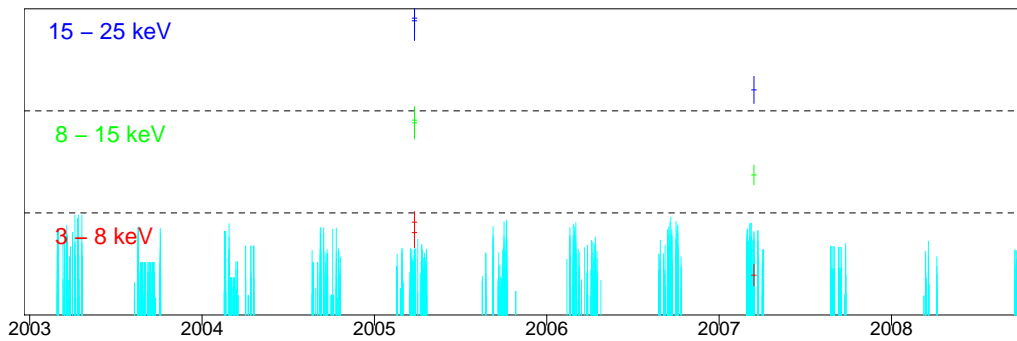
XTE J1716-389 - RA = 258.988, Dec = -38.869



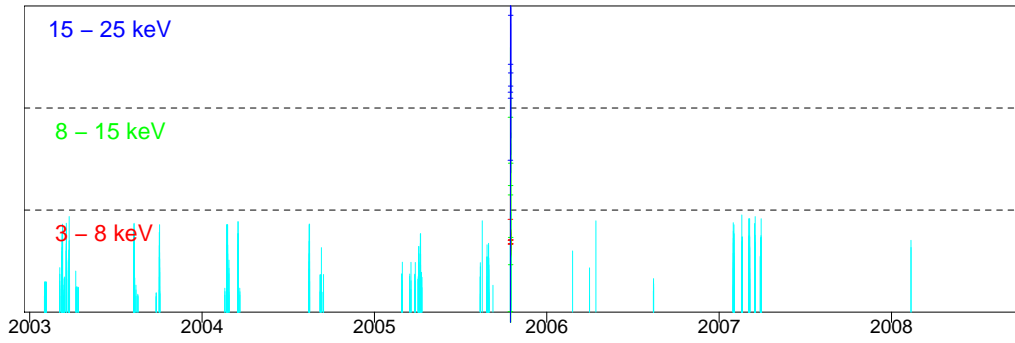
XTE J1720-318 - RA = 260.001, Dec = -31.749



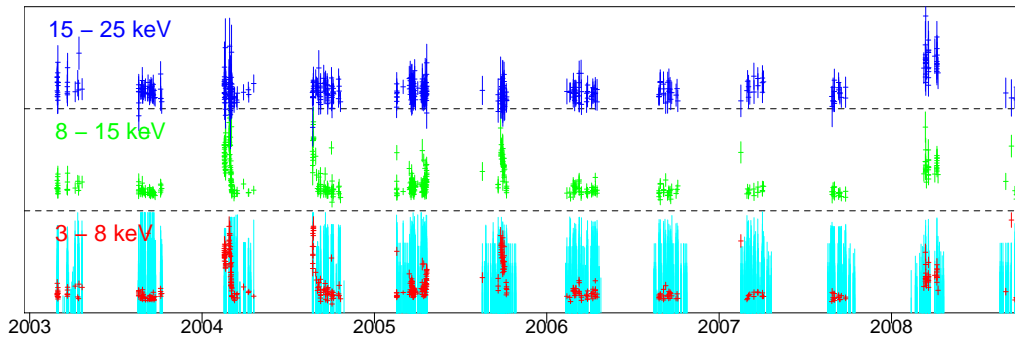
IGR J17252-3616 - RA = 261.295, Dec = -36.285



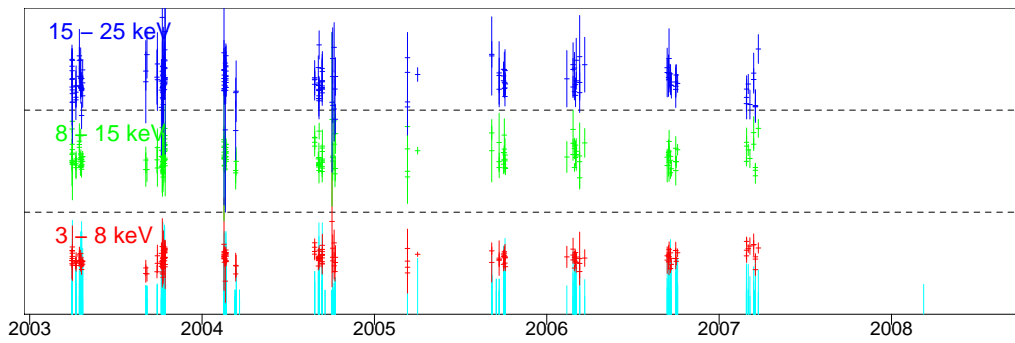
IGR J17269-4737 - RA = 261.695, Dec = -47.641



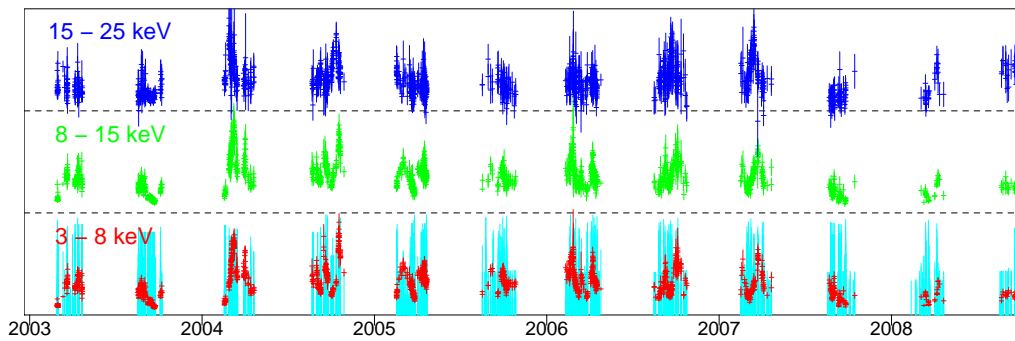
4U 1722-30 - RA = 261.888, Dec = -30.802



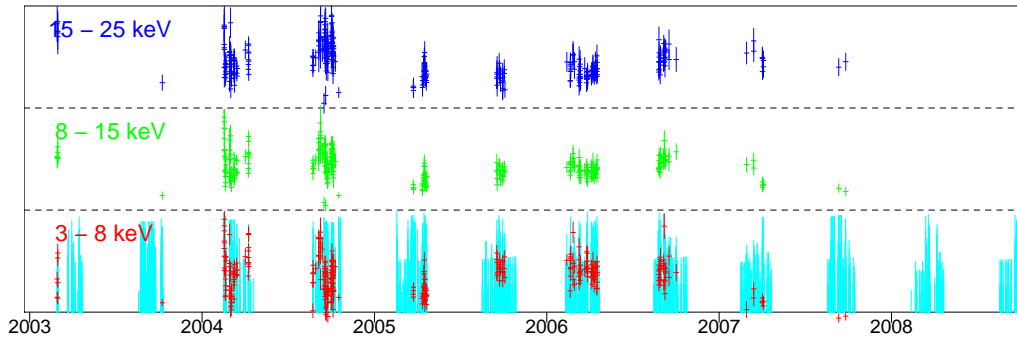
3A 1728-169 - RA = 262.934, Dec = -16.963



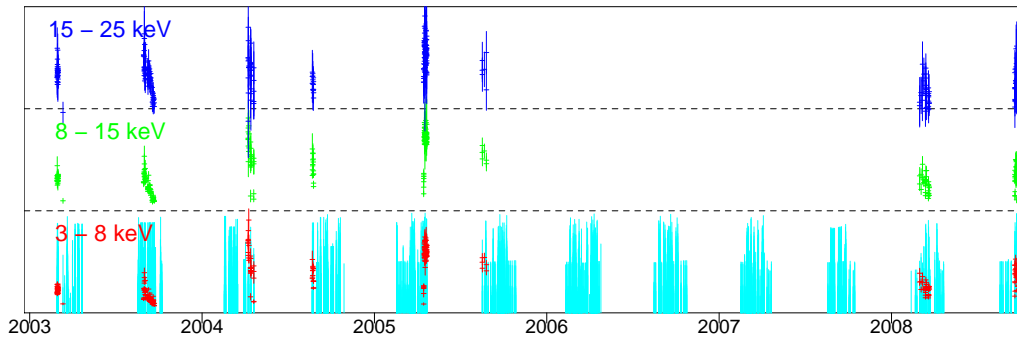
GX 354-0 - RA = 262.990, Dec = -33.834



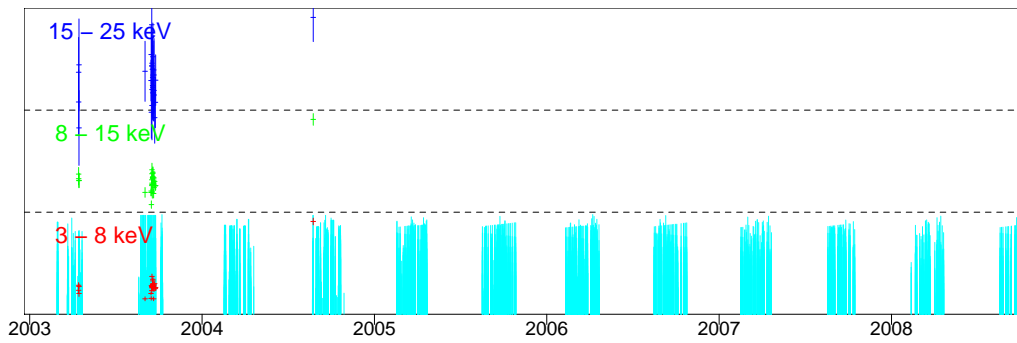
GX 1+4 - RA = 263.009, Dec = -24.747



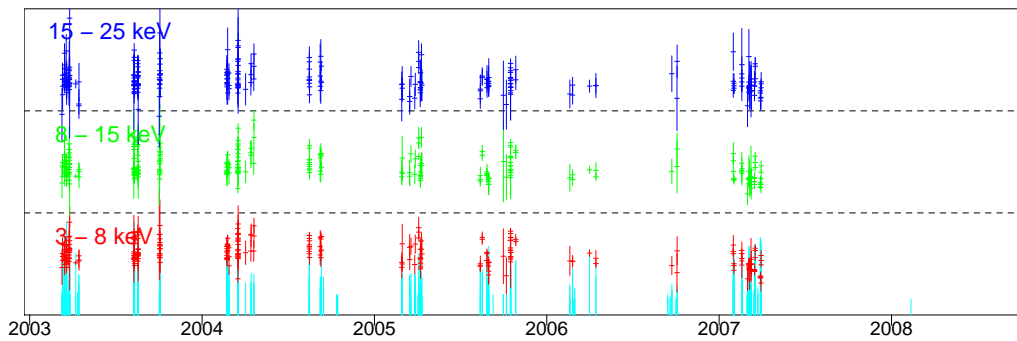
4U 1730-335 - RA = 263.352, Dec = -33.388



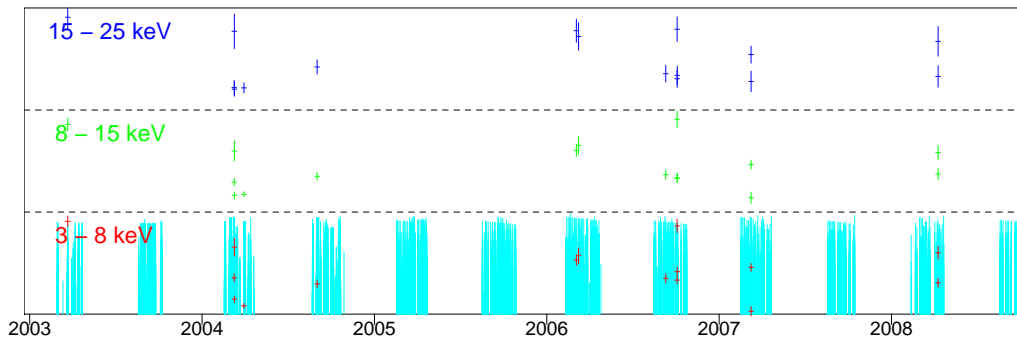
SLX 1735-269 - RA = 264.569, Dec = -26.987



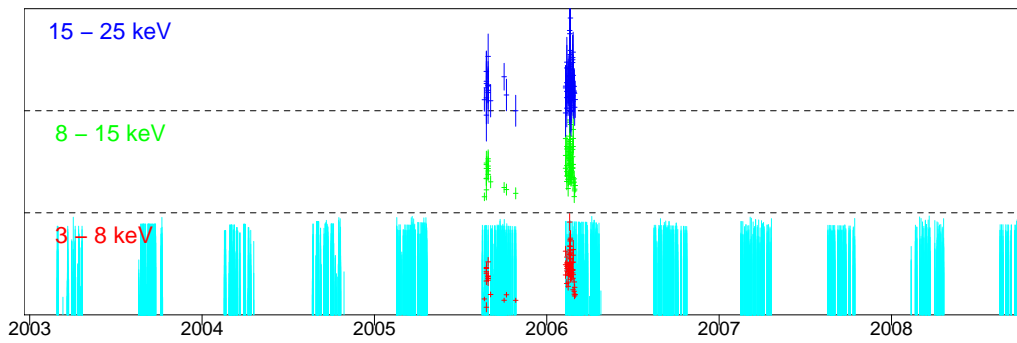
4U 1735-444 - RA = 264.742, Dec = -44.450



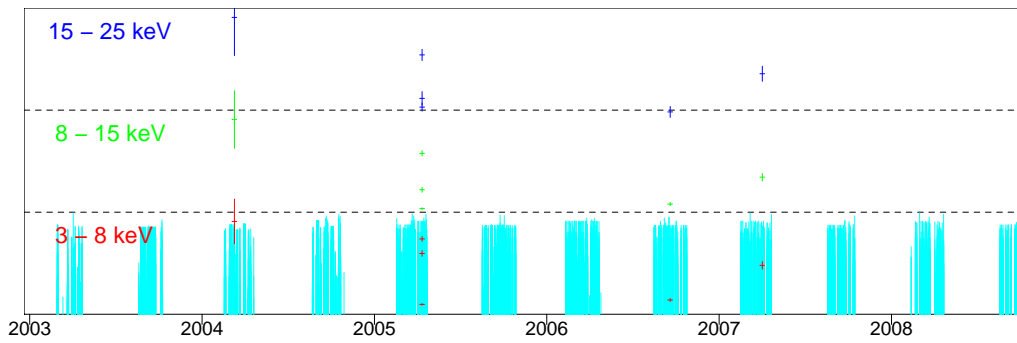
IGR J17391-3021 - RA = 264.798, Dec = -30.343



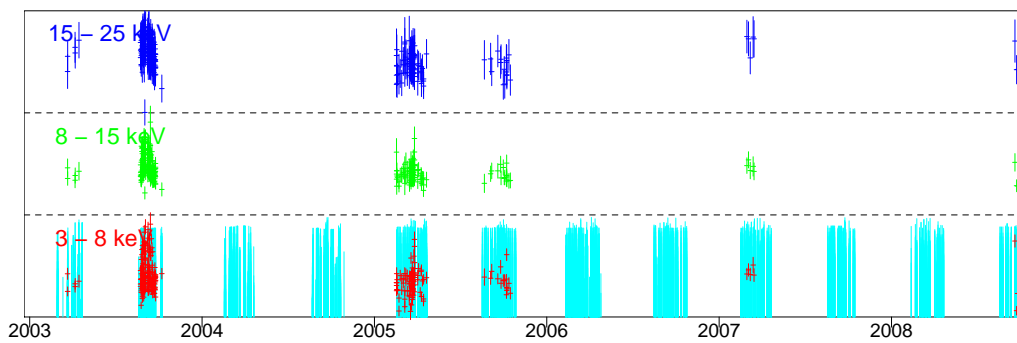
XTE J1739-285 - RA = 264.976, Dec = -28.496



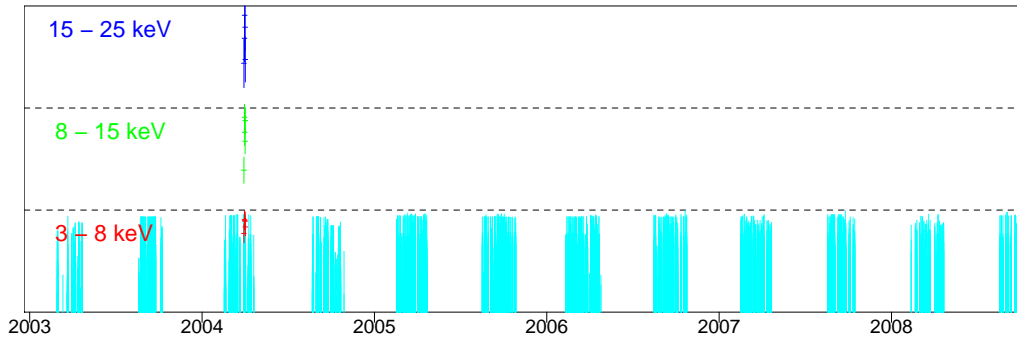
SLX 1737-282 - RA = 265.177, Dec = -28.306



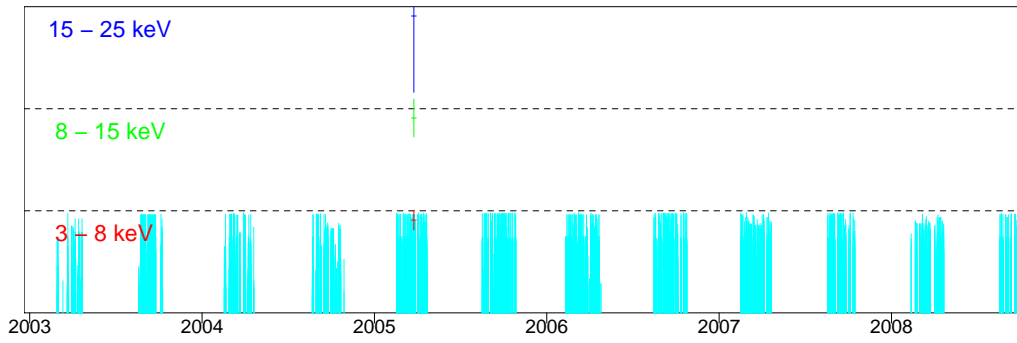
1E 1740.7-2942 - RA = 265.980, Dec = -29.744



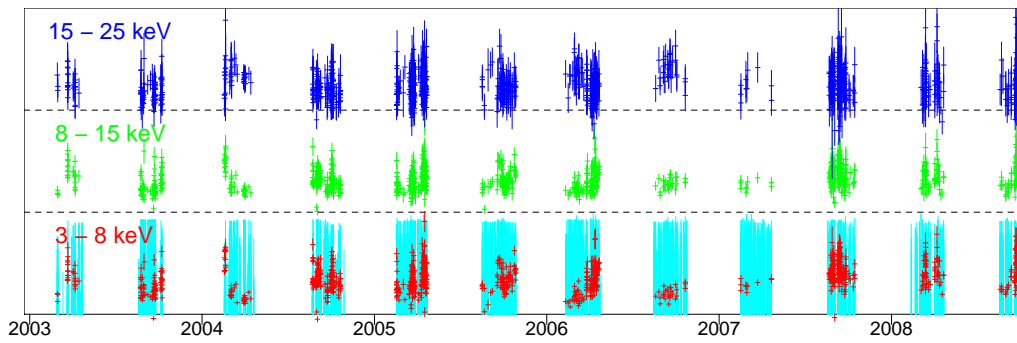
KS 1741-293 - RA = 266.212, Dec = -29.337



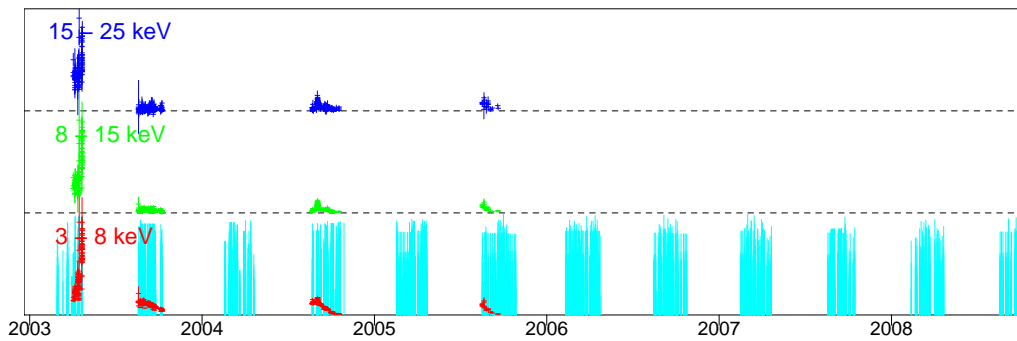
1E 1742.5-2845 - RA = 266.420, Dec = -28.755



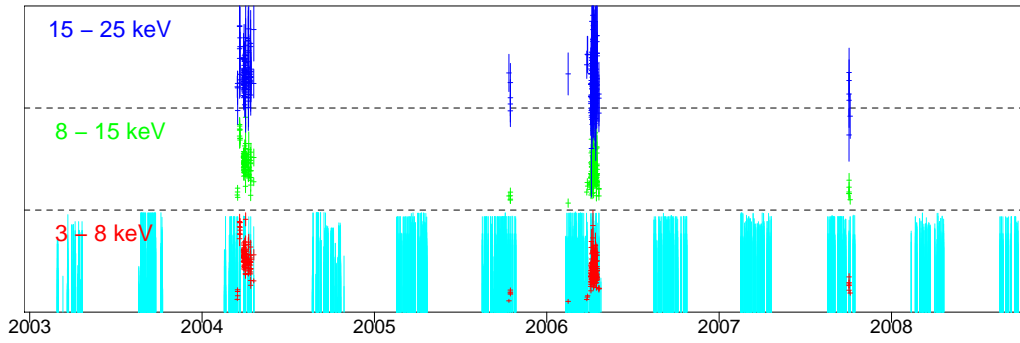
1A 1742-294 - RA = 266.521, Dec = -29.516



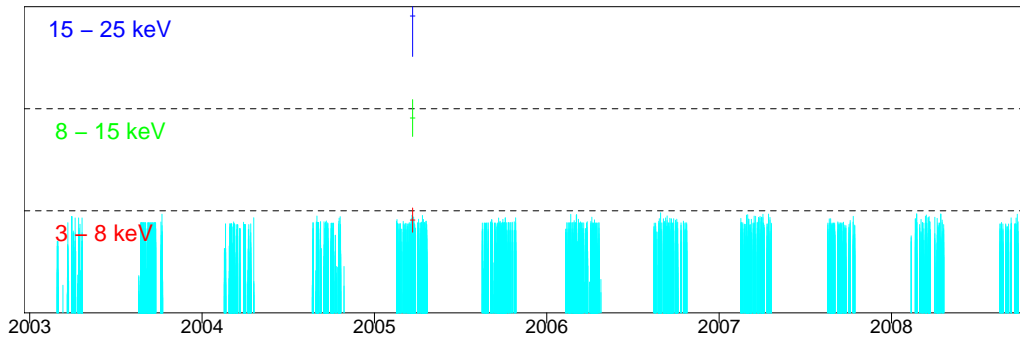
IGR J17464-3213 - RA = 266.564, Dec = -32.234



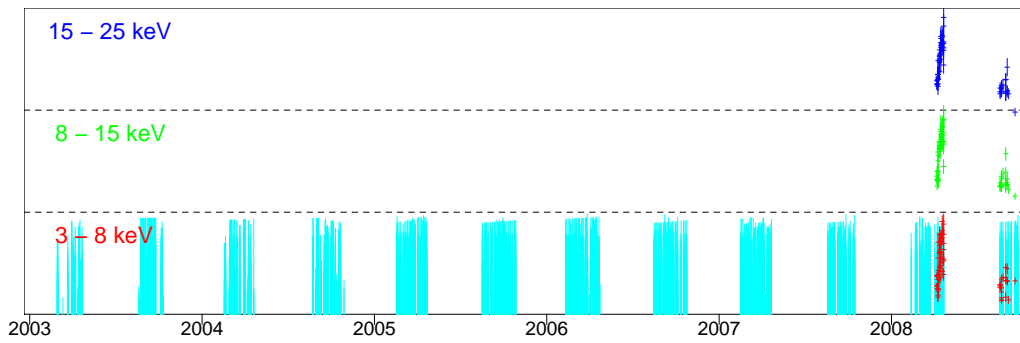
1A 1743-288 - RA = 266.761, Dec = -28.883



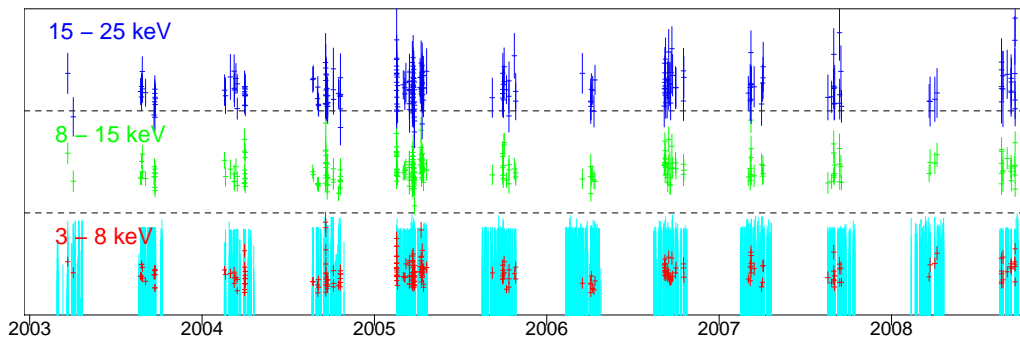
IGR J17464-2811 - RA = 266.813, Dec = -28.200



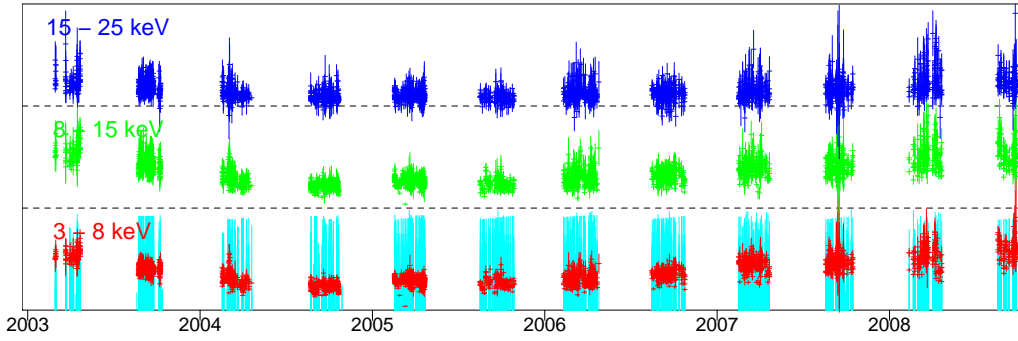
IGR J17473-2721 - RA = 266.827, Dec = -27.340



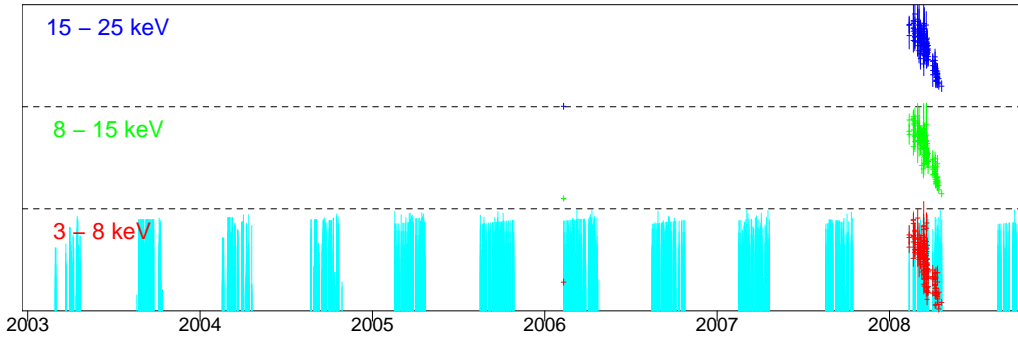
SLX 1744-299 - RA = 266.859, Dec = -30.015



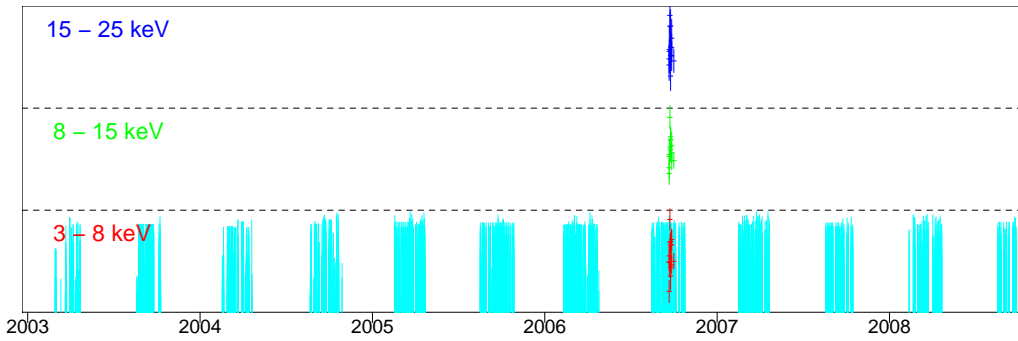
GX 3+1 - RA = 266.983, Dec = -26.564



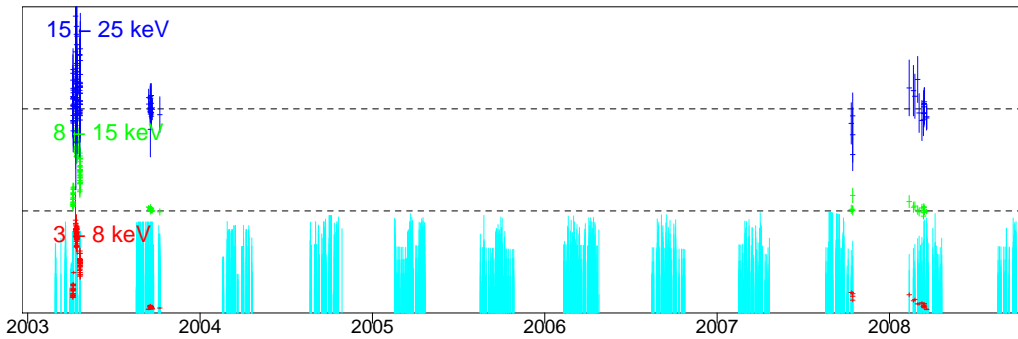
GRO J1750-27 - RA = 267.305, Dec = -26.644



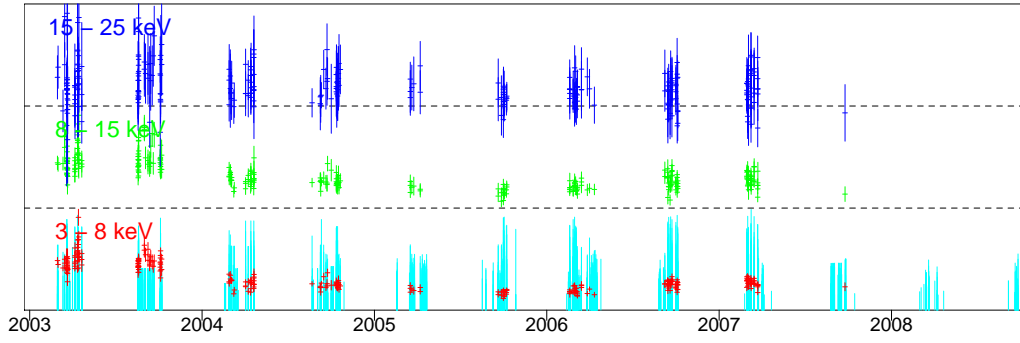
IGR J17497-2821 - RA = 267.407, Dec = -28.356



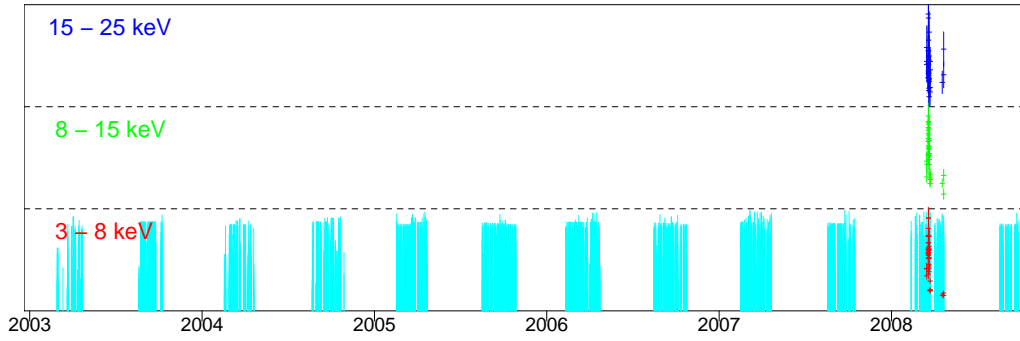
SLX 1746-331 - RA = 267.453, Dec = -33.205



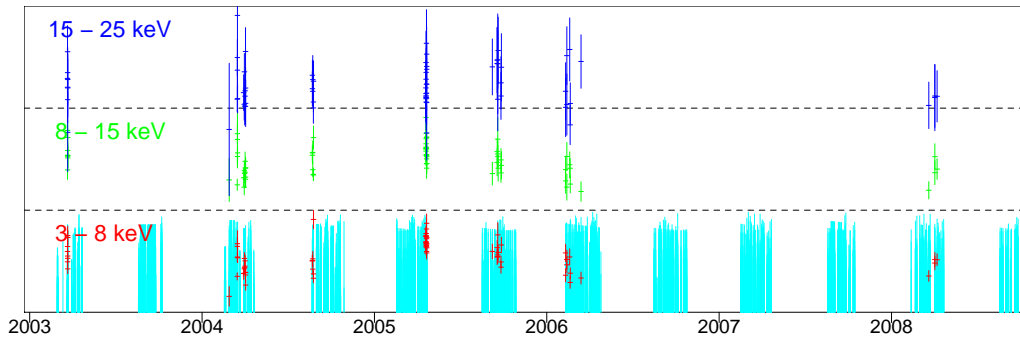
1H 1746-370 - RA = 267.553, Dec = -37.052



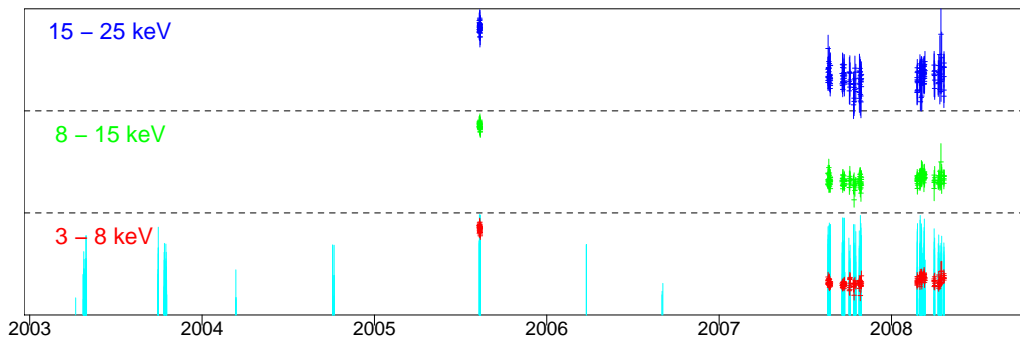
SAX J1750.8-2900 - RA = 267.602, Dec = -29.034



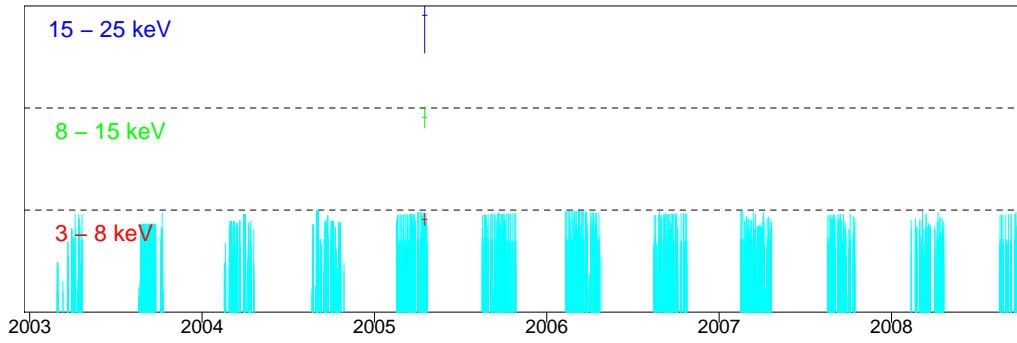
GRS 1747-312 - RA = 267.695, Dec = -31.277



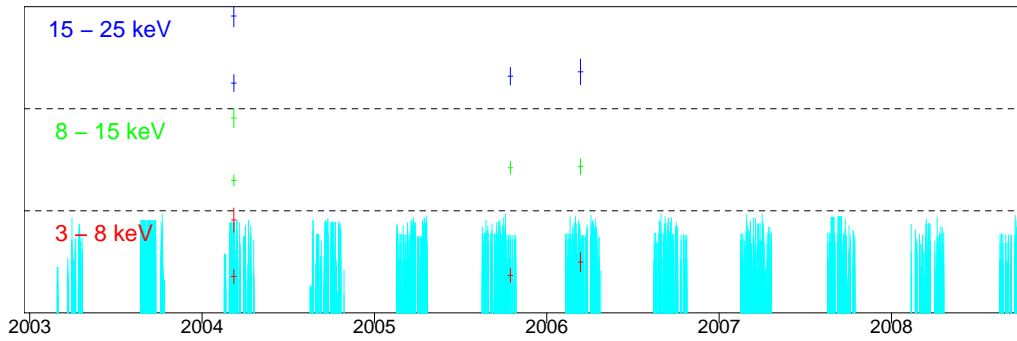
SWIFT J1753.5-0127 - RA = 268.368, Dec = -1.452



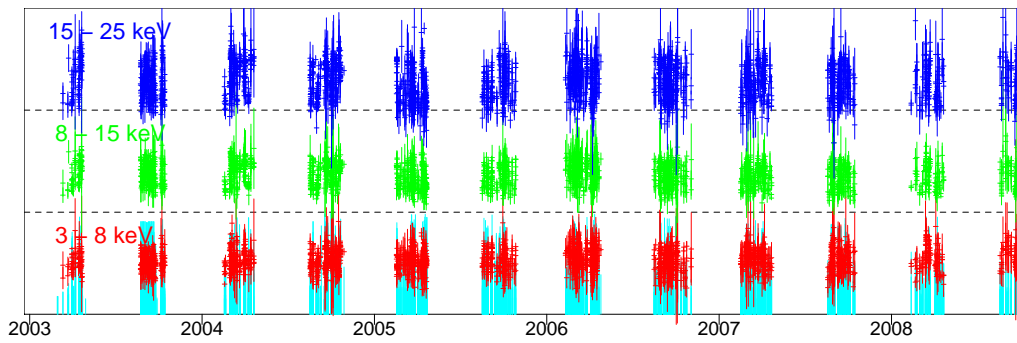
AX J1754.2-2754 - RA = 268.568, Dec = -27.917



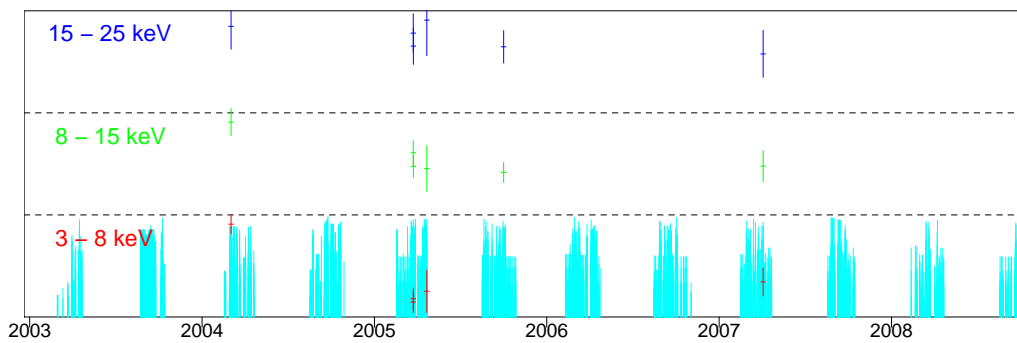
IGR J17544-2619 - RA = 268.601, Dec = -26.334



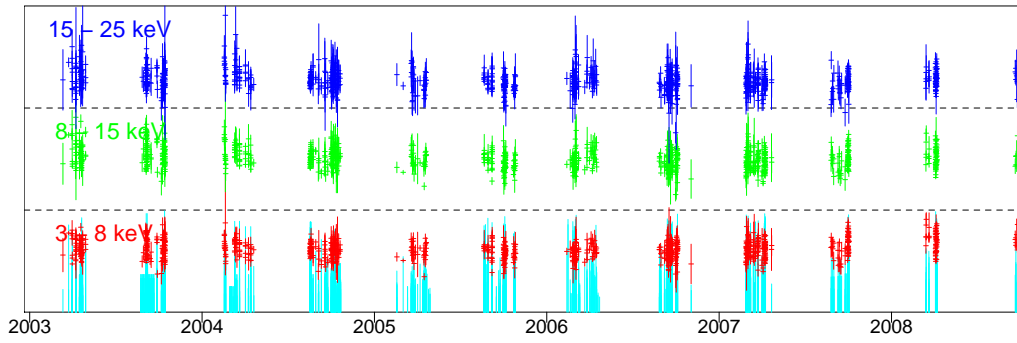
GX 5-1 - RA = 270.284, Dec = -25.078



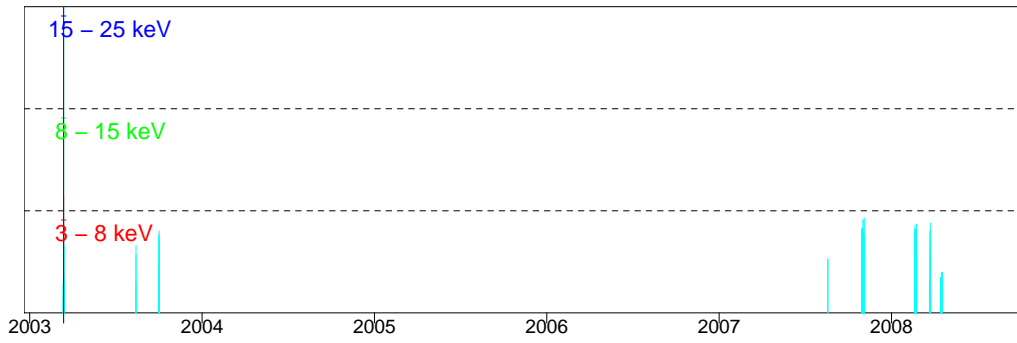
GRS 1758-258 - RA = 270.305, Dec = -25.744



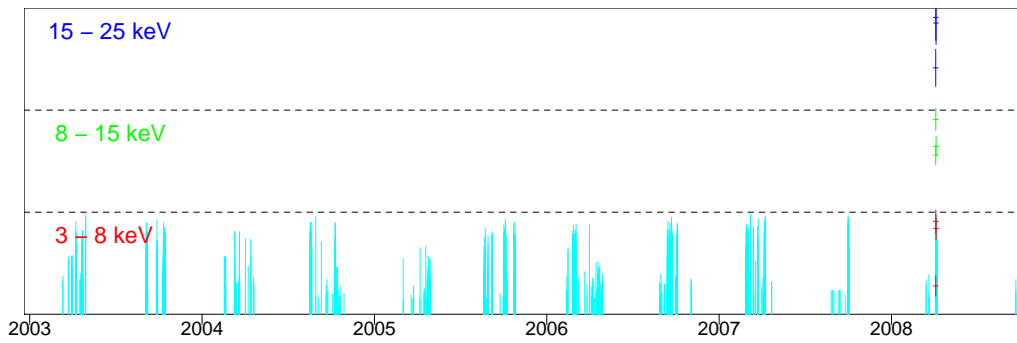
GX 9+1 - RA = 270.385, Dec = -20.530



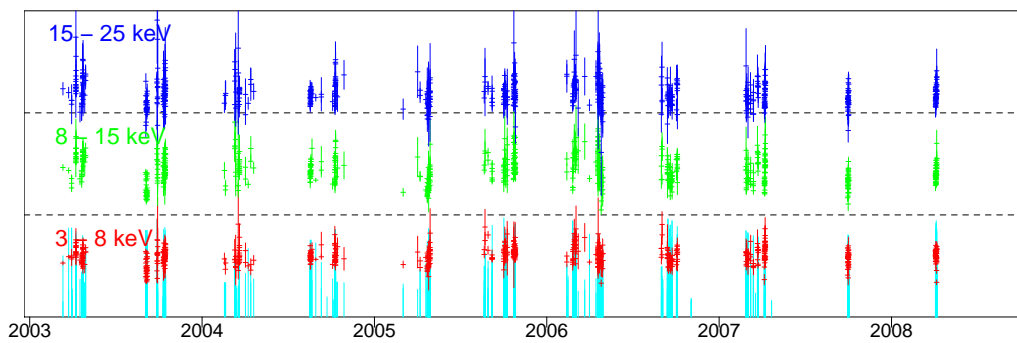
4U 1803-60 - RA = 271.981, Dec = -60.565



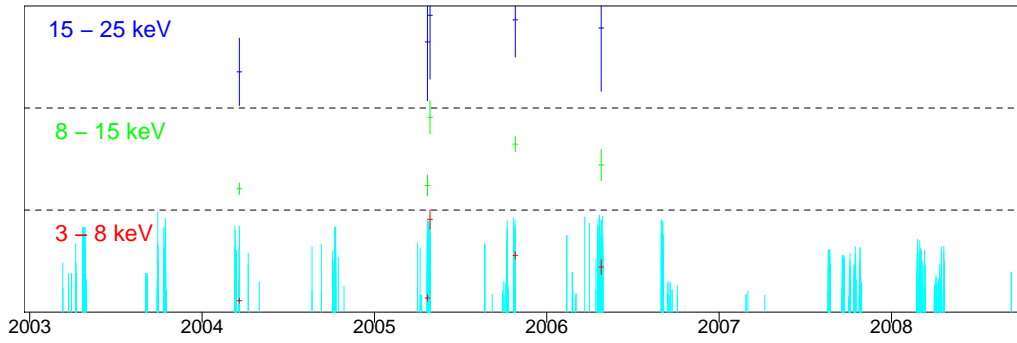
XTE J1810-189 - RA = 272.584, Dec = -19.066



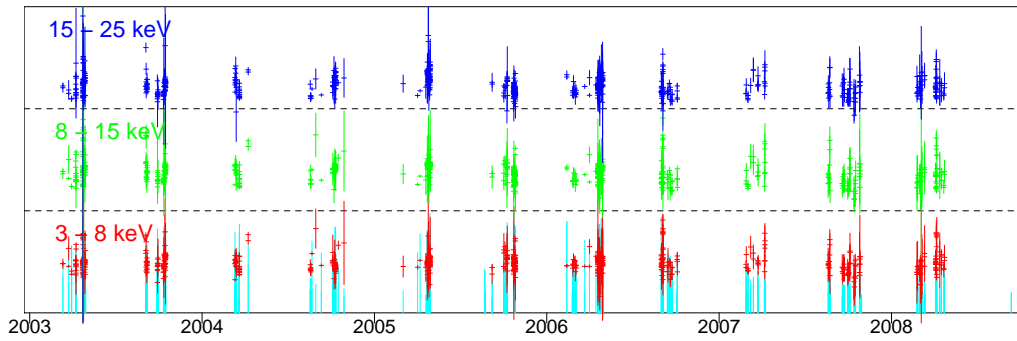
GX 13+1 - RA = 273.629, Dec = -17.157



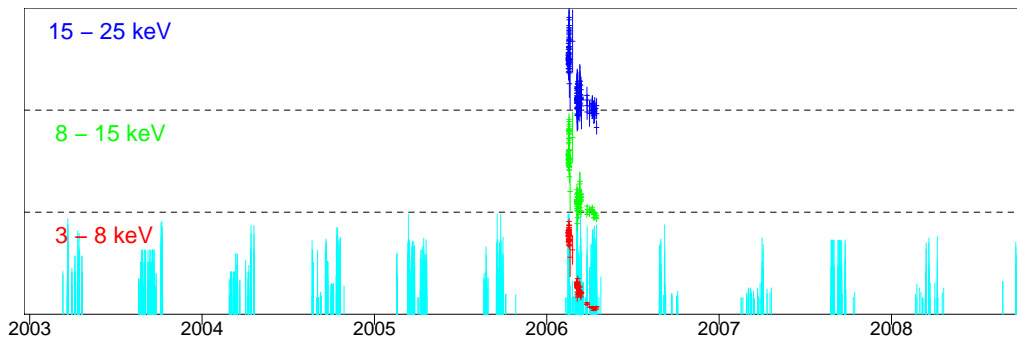
4U 1812-12 - RA = 273.779, Dec = -12.080



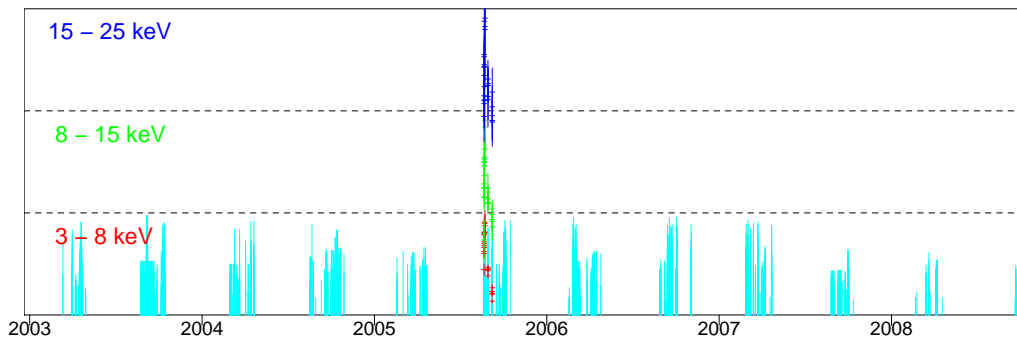
GX 17+2 - RA = 274.006, Dec = -14.037



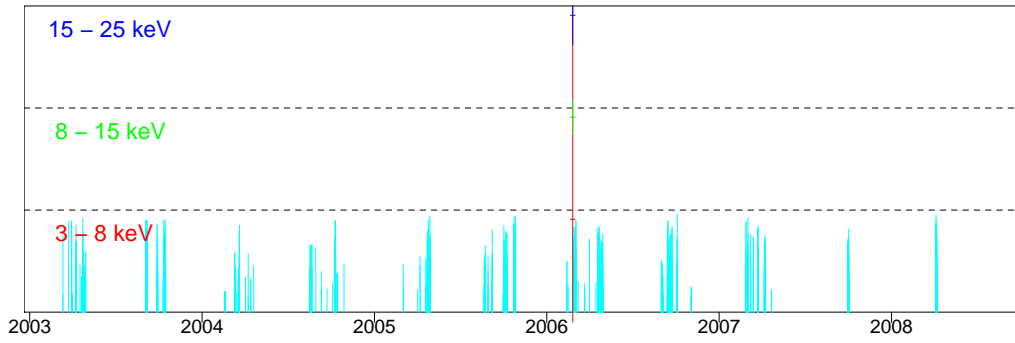
XTE J1817-330 - RA = 274.431, Dec = -33.017



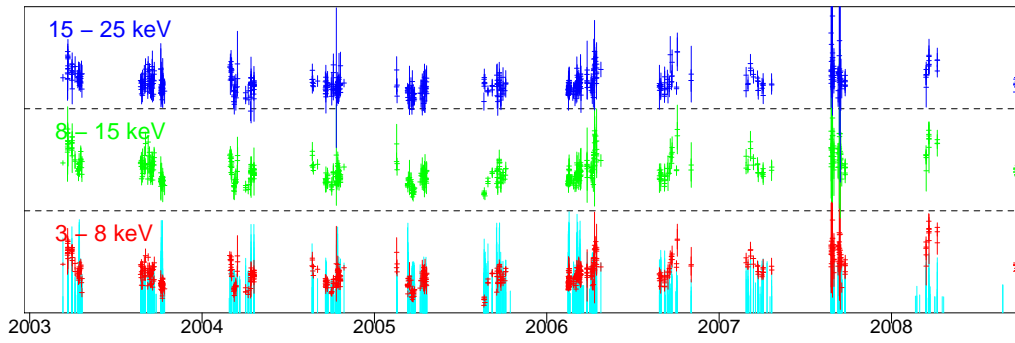
XTE J1818-245 - RA = 274.602, Dec = -24.537



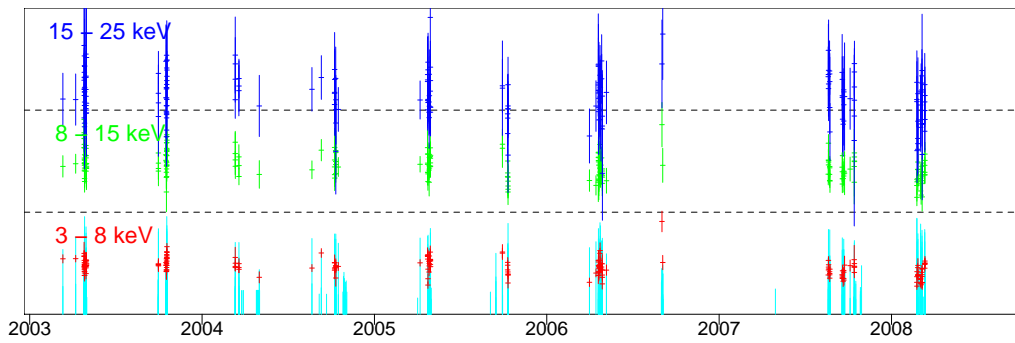
SAX J1818.6-1703 - RA = 274.671, Dec = -17.038



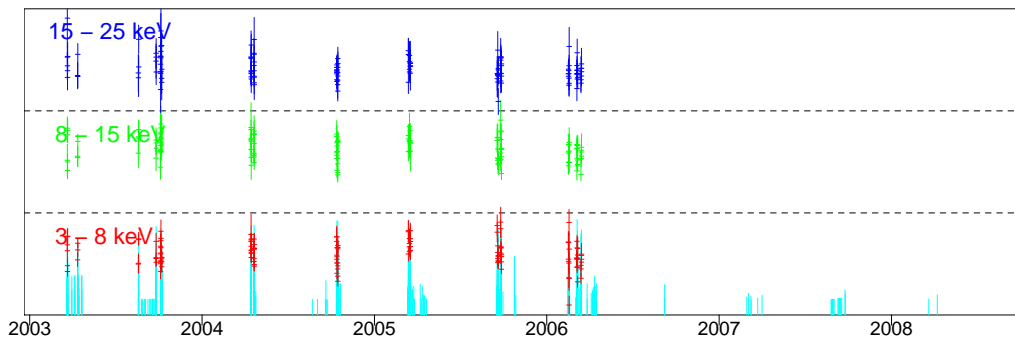
H 1820-303 - RA = 275.918, Dec = -30.361



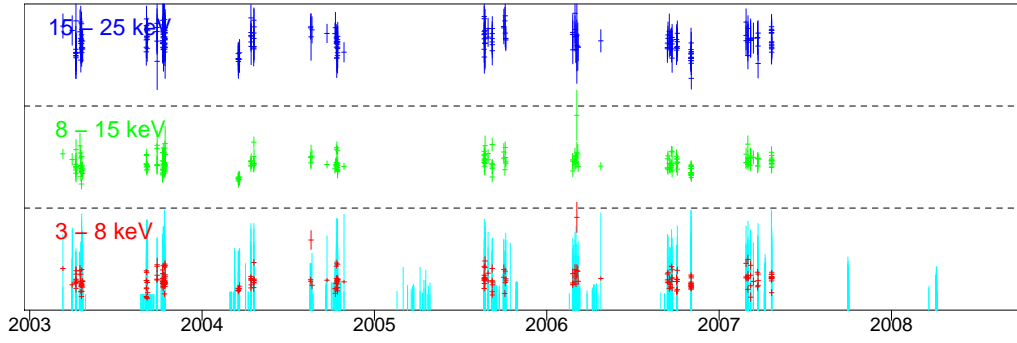
H 1822-000 - RA = 276.341, Dec = -0.012



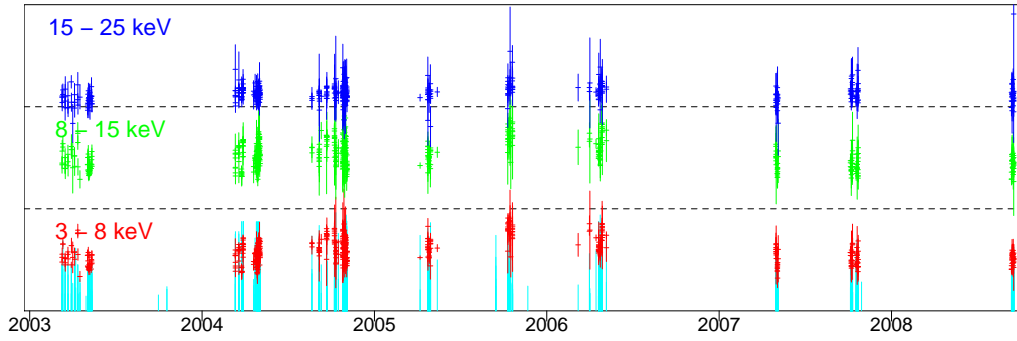
3A 1822-371 - RA = 276.446, Dec = -37.106



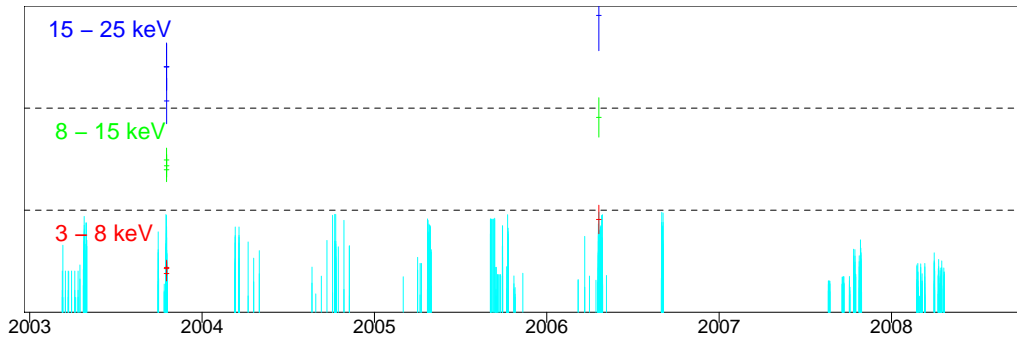
Ginga 1826-24 - RA = 277.367, Dec = -23.798



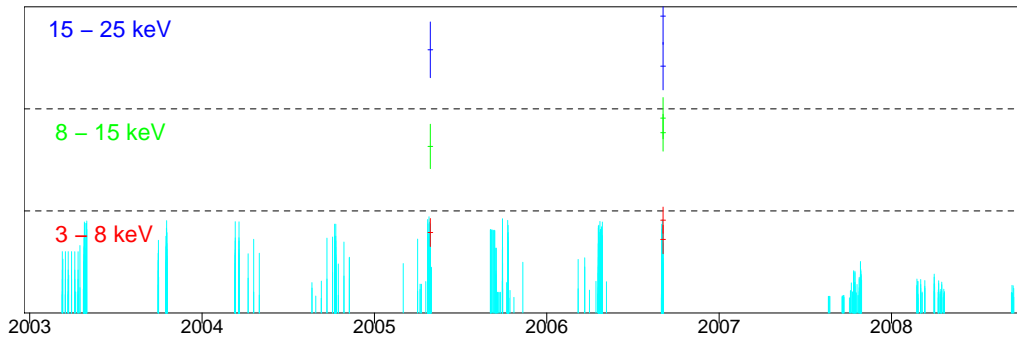
Ser X-1 - RA = 279.990, Dec = 5.035



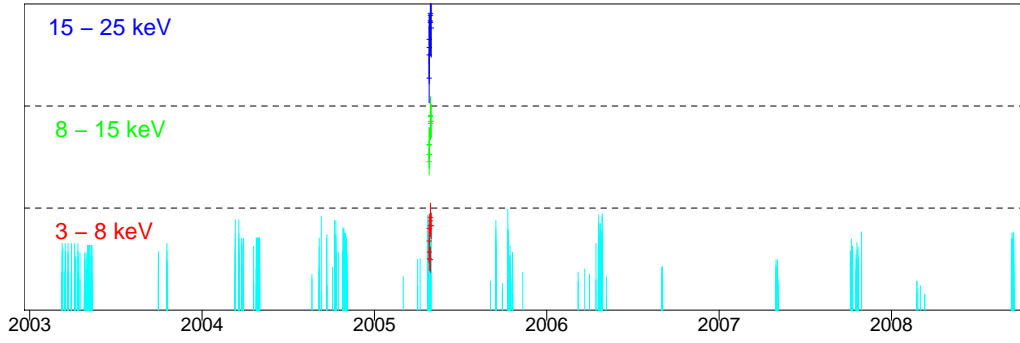
IGR J18410-0535 - RA = 280.242, Dec = -5.595



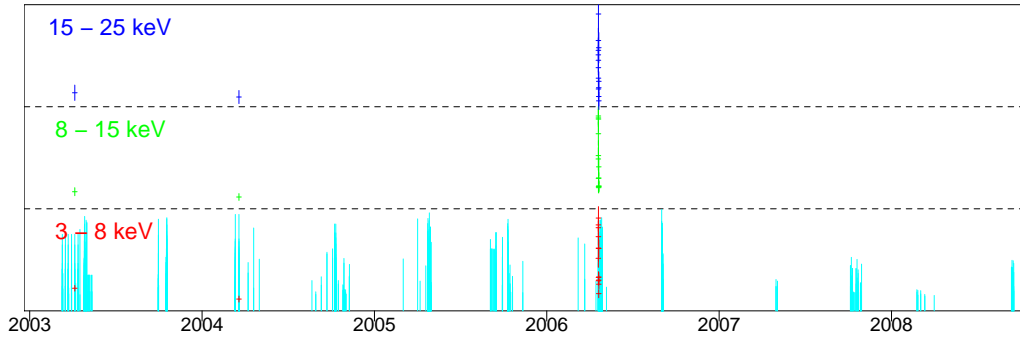
IGR J18450-0435 - RA = 281.256, Dec = -4.564



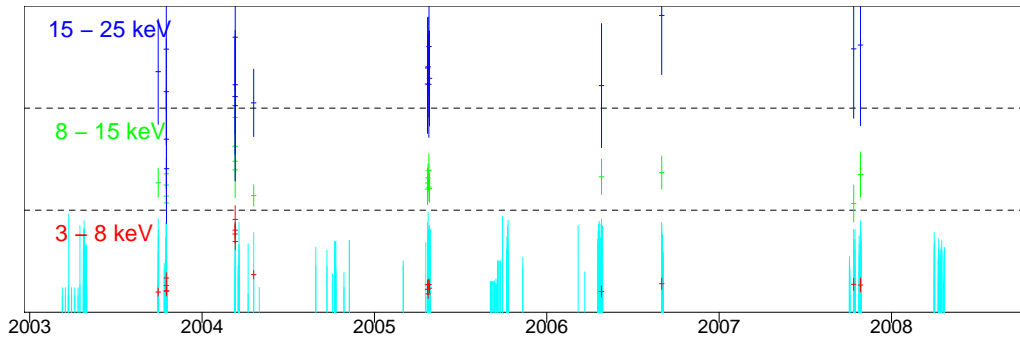
Ginga 1843+009 - RA = 281.400, Dec = 0.864



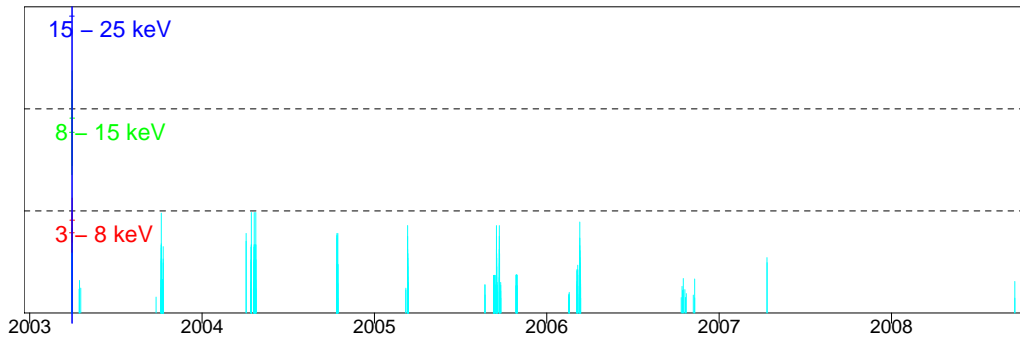
IGR J18483-0311 - RA = 282.071, Dec = -3.170



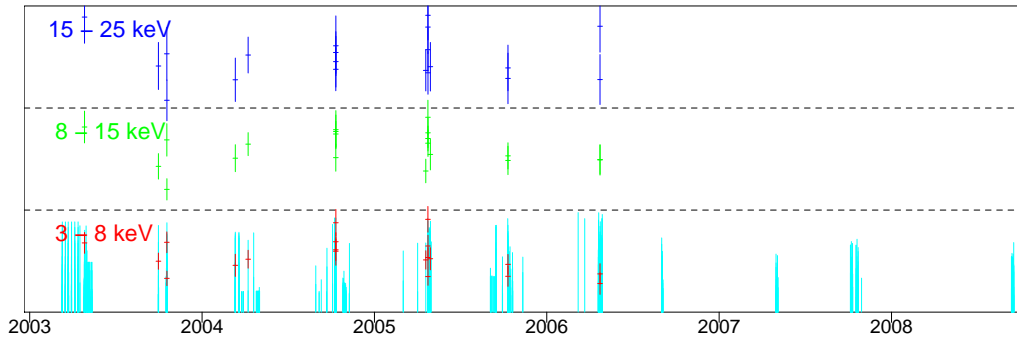
3A 1850-087 - RA = 283.269, Dec = -8.706



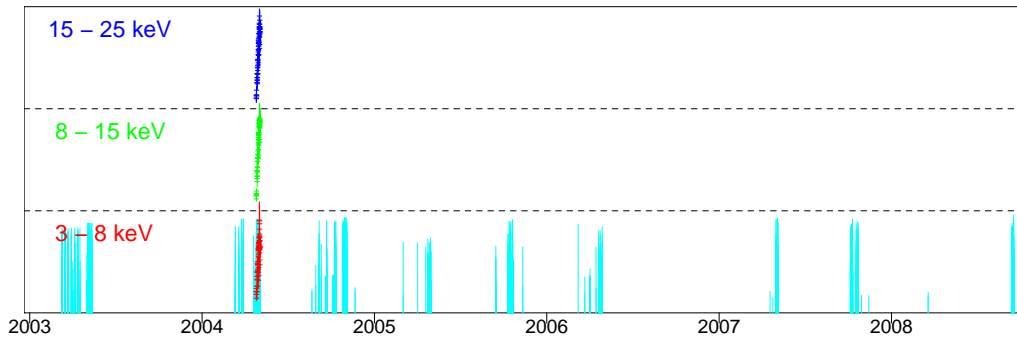
V1223 Sgr - RA = 283.768, Dec = -31.176



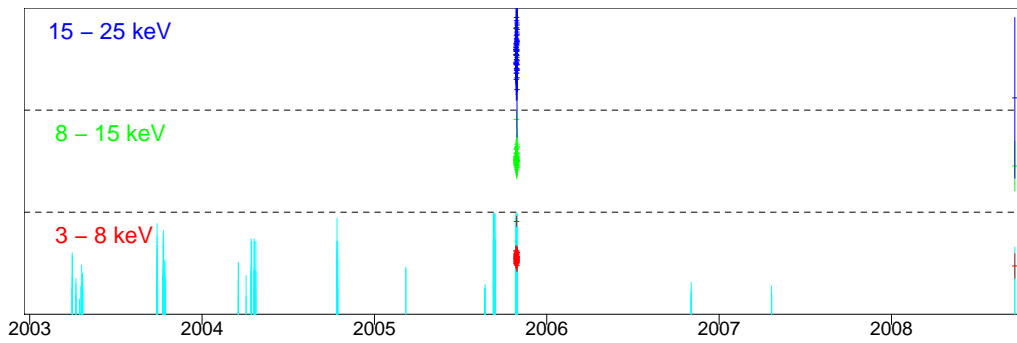
XTE J1855-026 - RA = 283.873, Dec = -2.606



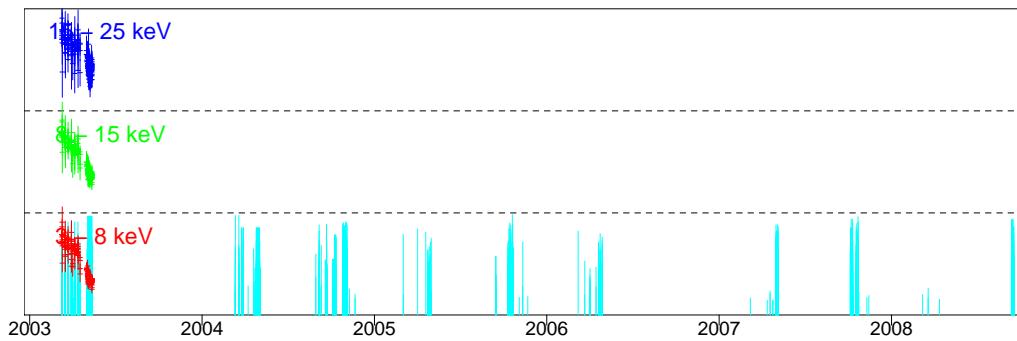
XTE J1858+034 - RA = 284.681, Dec = 3.436



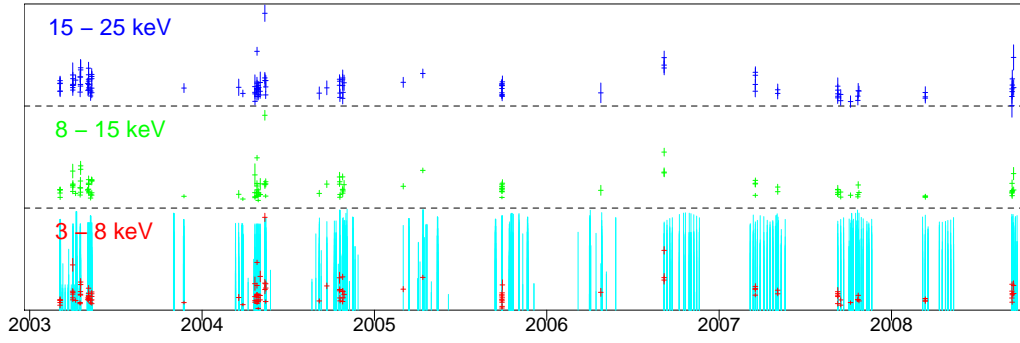
HETE J1900.1-2455 - RA = 285.036, Dec = -24.924



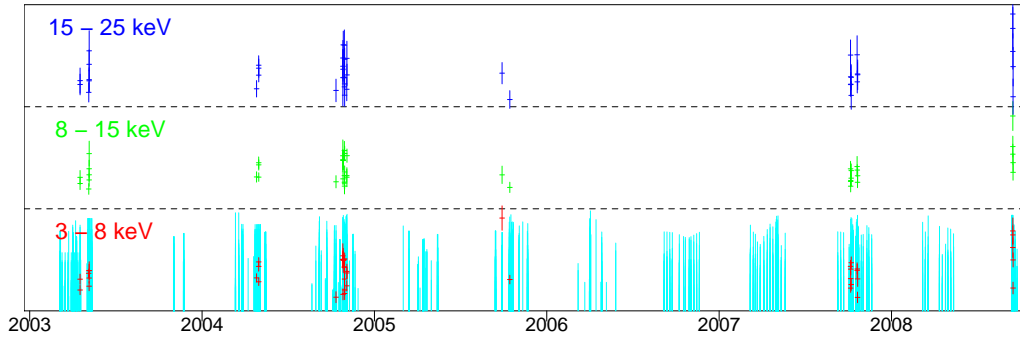
4U 1901+03 - RA = 285.915, Dec = 3.203



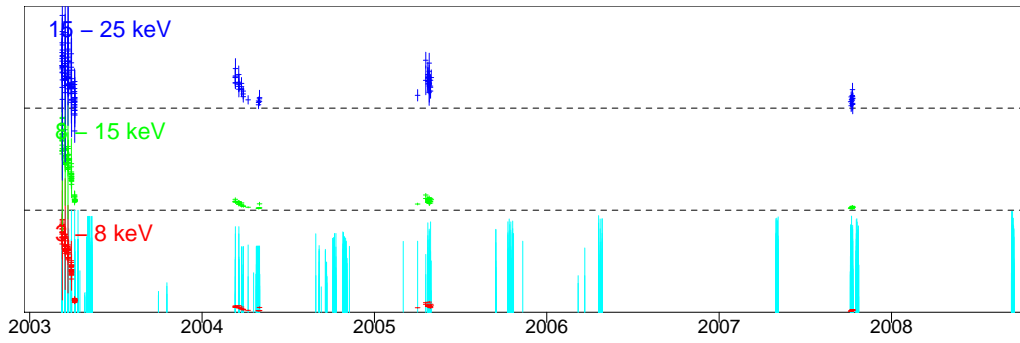
H 1907+097 - RA = 287.409, Dec = 9.829



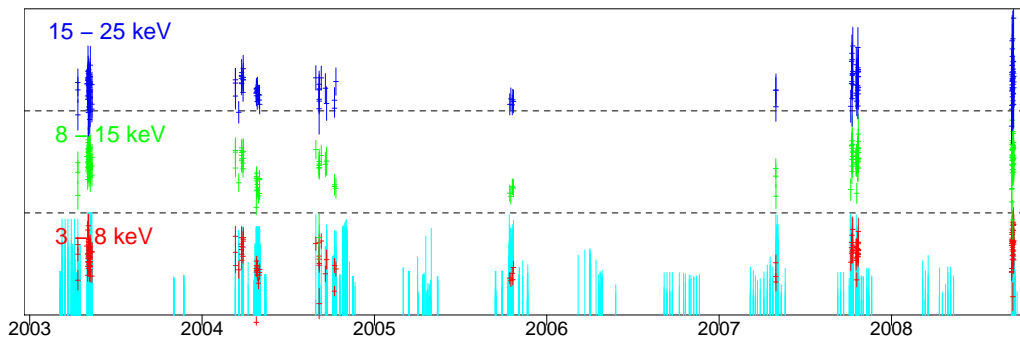
4U 1909+07 - RA = 287.698, Dec = 7.594



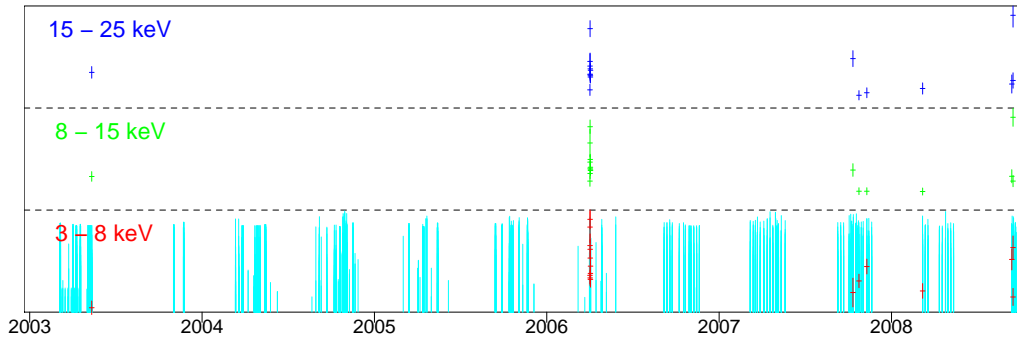
Aql X-1 - RA = 287.817, Dec = 0.584



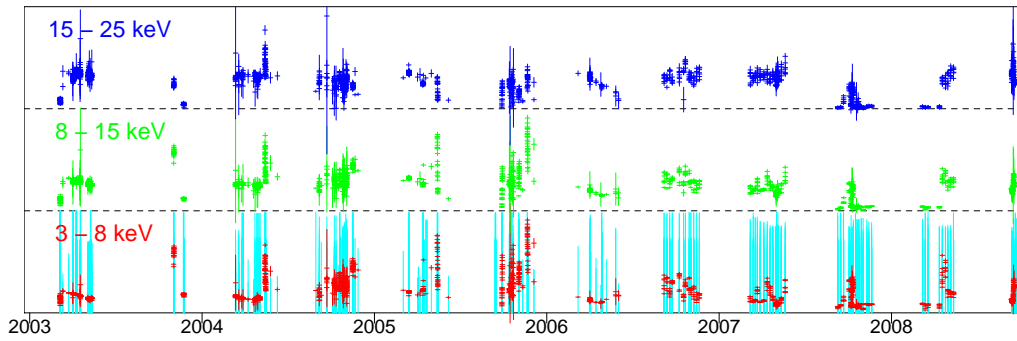
SS 433 - RA = 287.957, Dec = 4.982



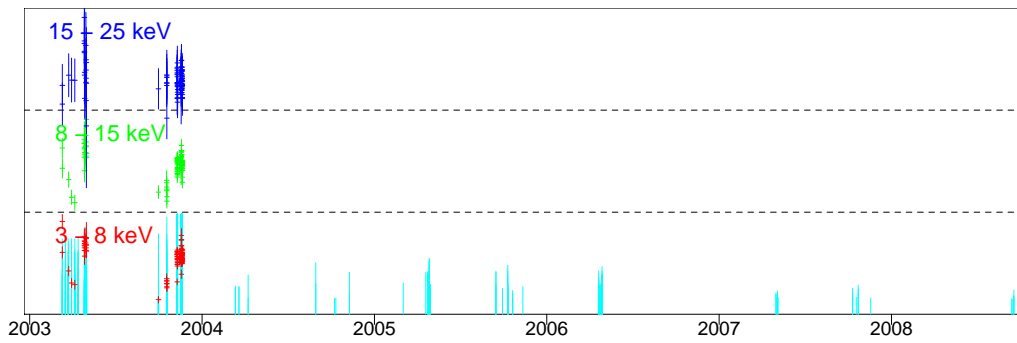
IGR J19140+0951 - RA = 288.522, Dec = 9.884



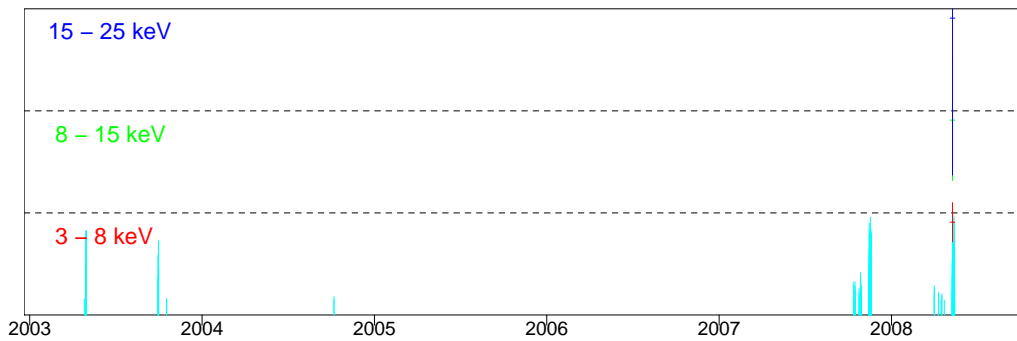
GRS 1915+105 - RA = 288.798, Dec = 10.945



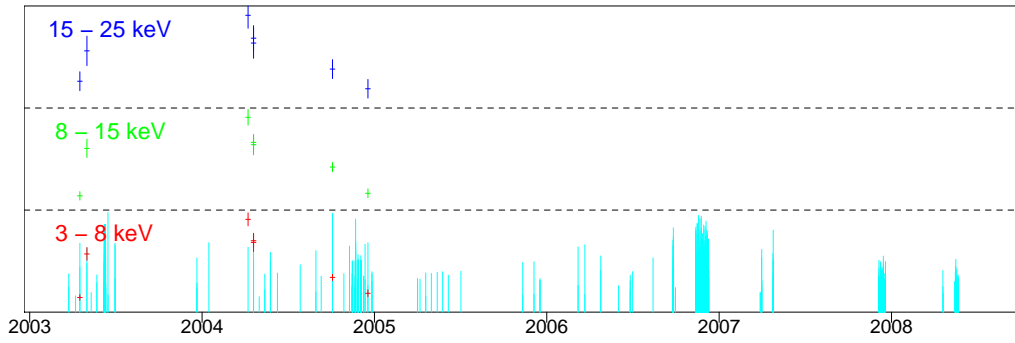
4U 1916-053 - RA = 289.698, Dec = -5.237



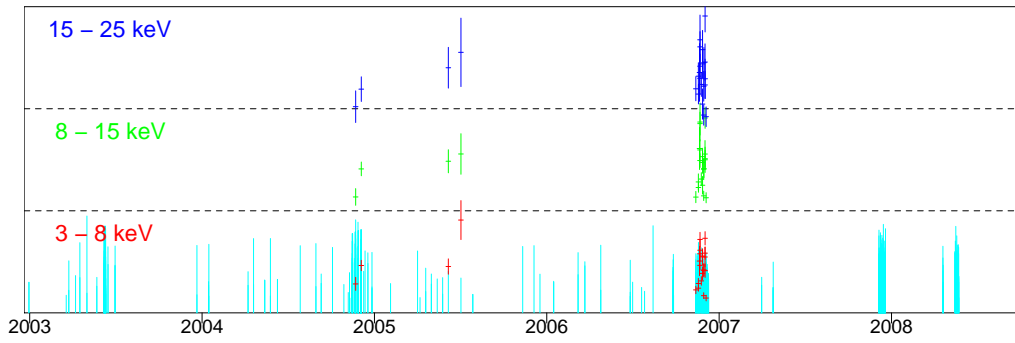
RX J1940.2-1025 - RA = 295.033, Dec = -10.411



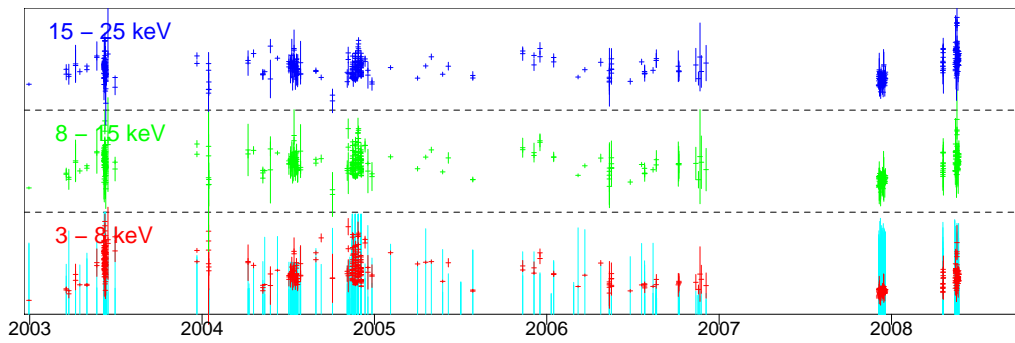
KS 1947+300 - RA = 297.395, Dec = 30.205



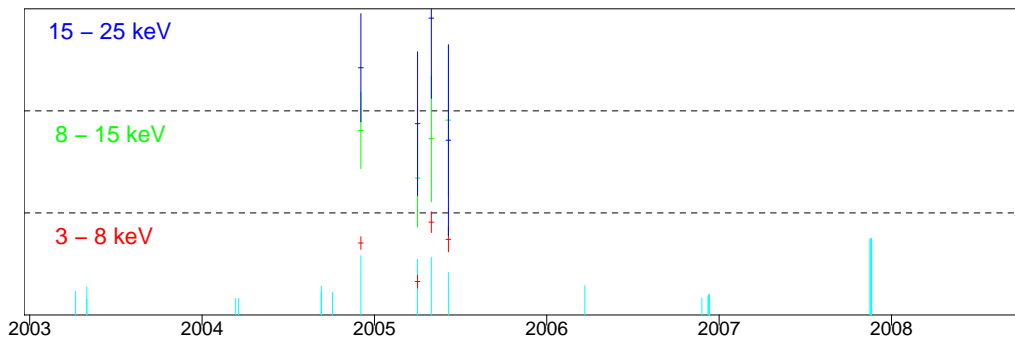
3A 1954+319 - RA = 298.928, Dec = 32.097



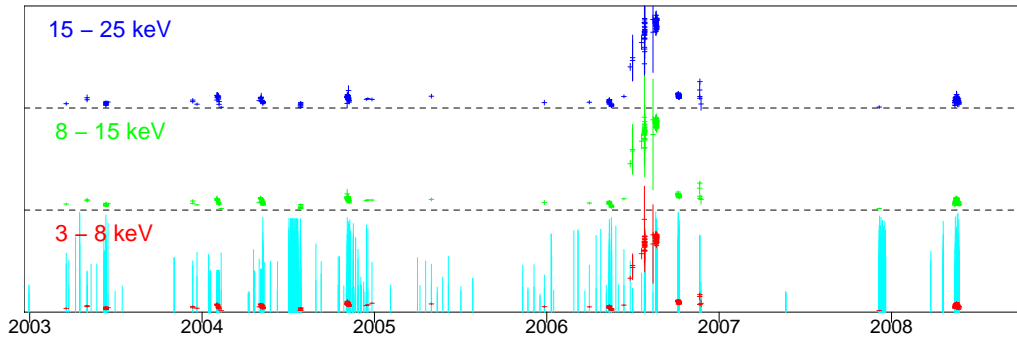
Cyg X-1 - RA = 299.591, Dec = 35.201



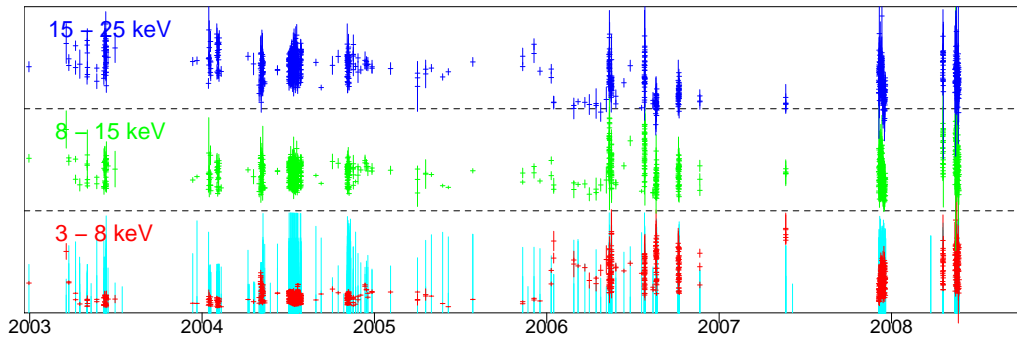
4U 1957+115 - RA = 299.851, Dec = 11.707



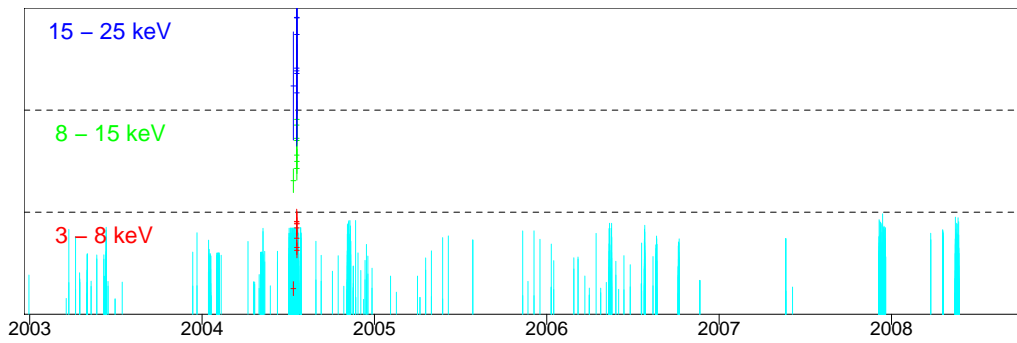
EXO 2030+375 - RA = 308.063, Dec = 37.637



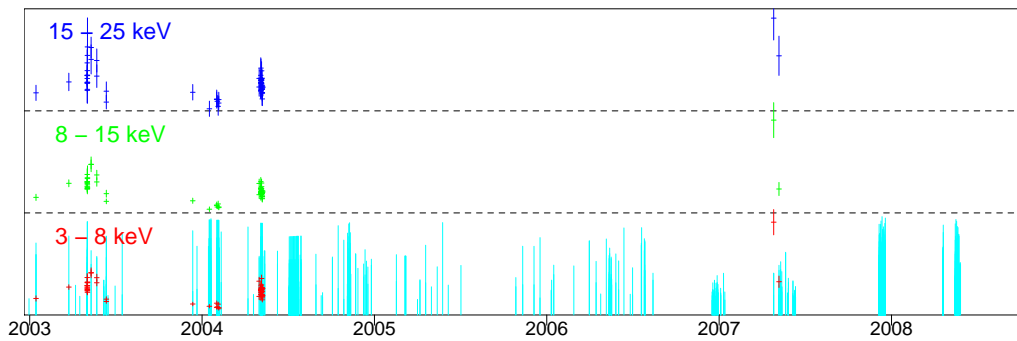
Cyg X-3 - RA = 308.108, Dec = 40.958



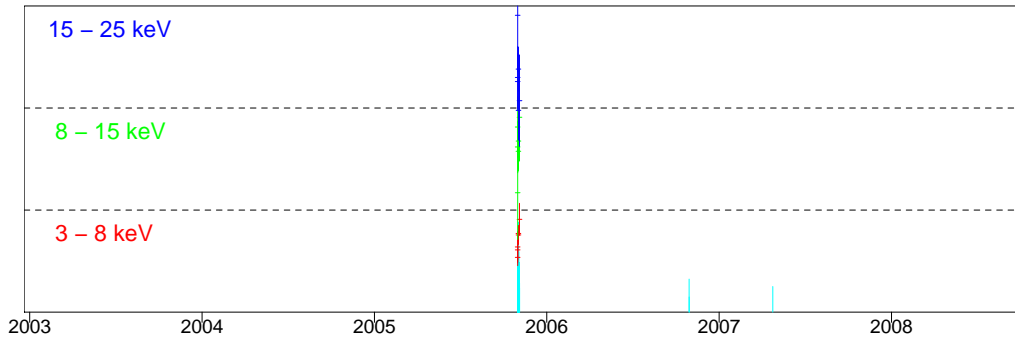
SWIFT J2037.2+4151 - RA = 309.279, Dec = 41.831



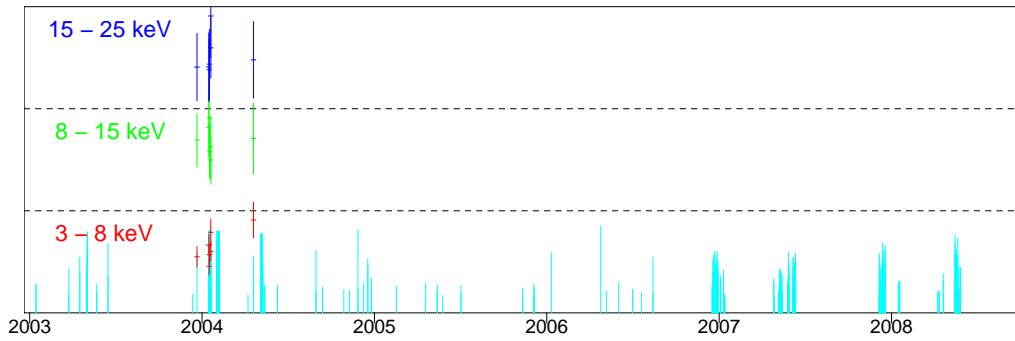
SAX J2103.5+4545 - RA = 315.898, Dec = 45.751



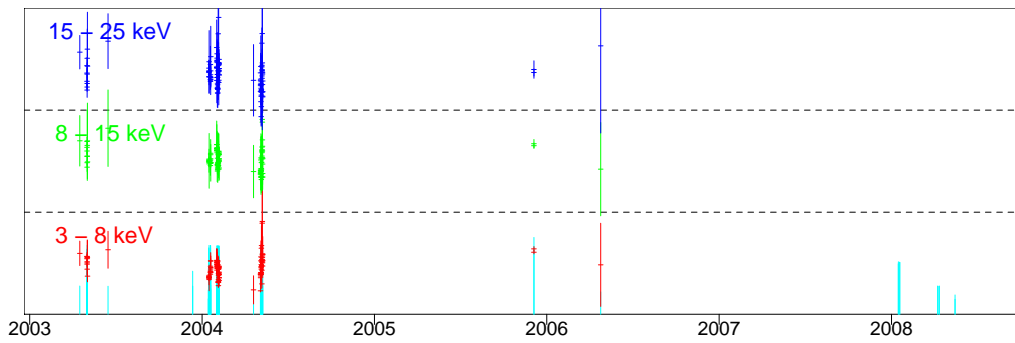
4U 2129+12 - RA = 322.501, Dec = 12.170



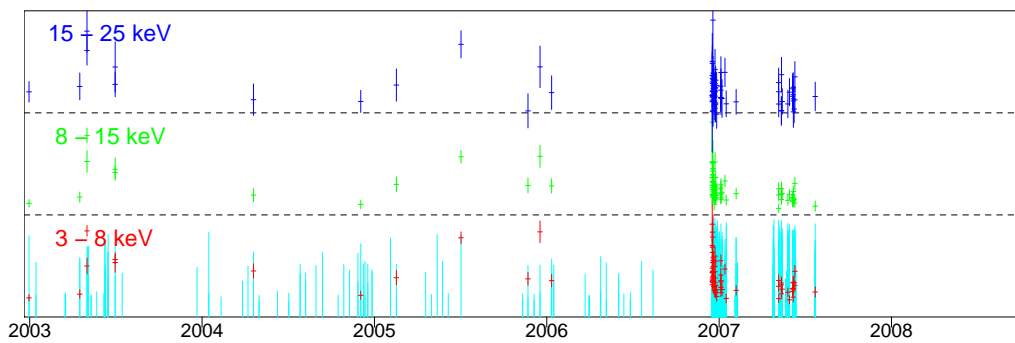
SS Cyg - RA = 325.676, Dec = 43.592



Cyg X-2 - RA = 326.171, Dec = 38.323



3A 2206+543 - RA = 331.984, Dec = 54.518



Cas A - RA = 350.857, Dec = 58.817

