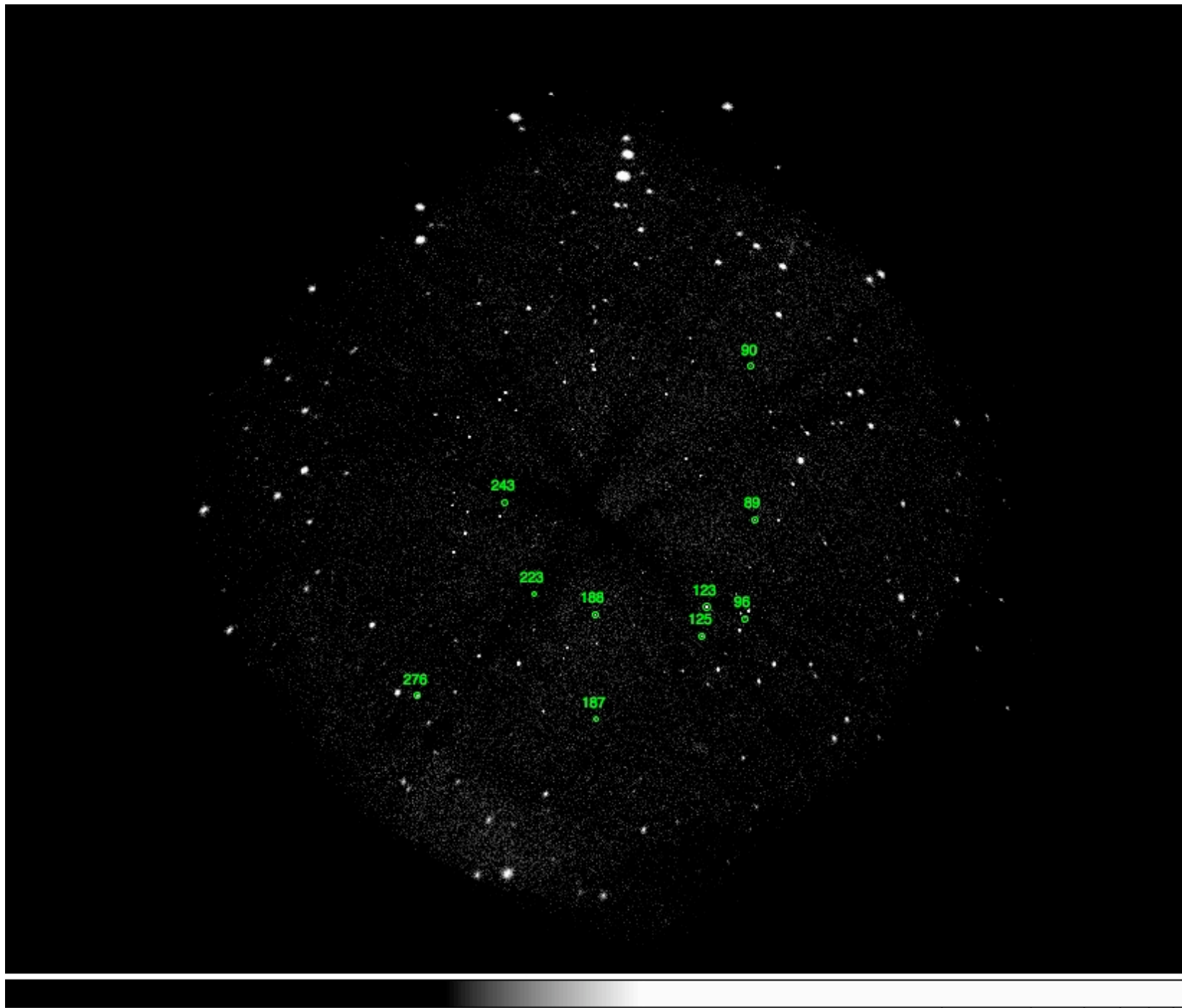


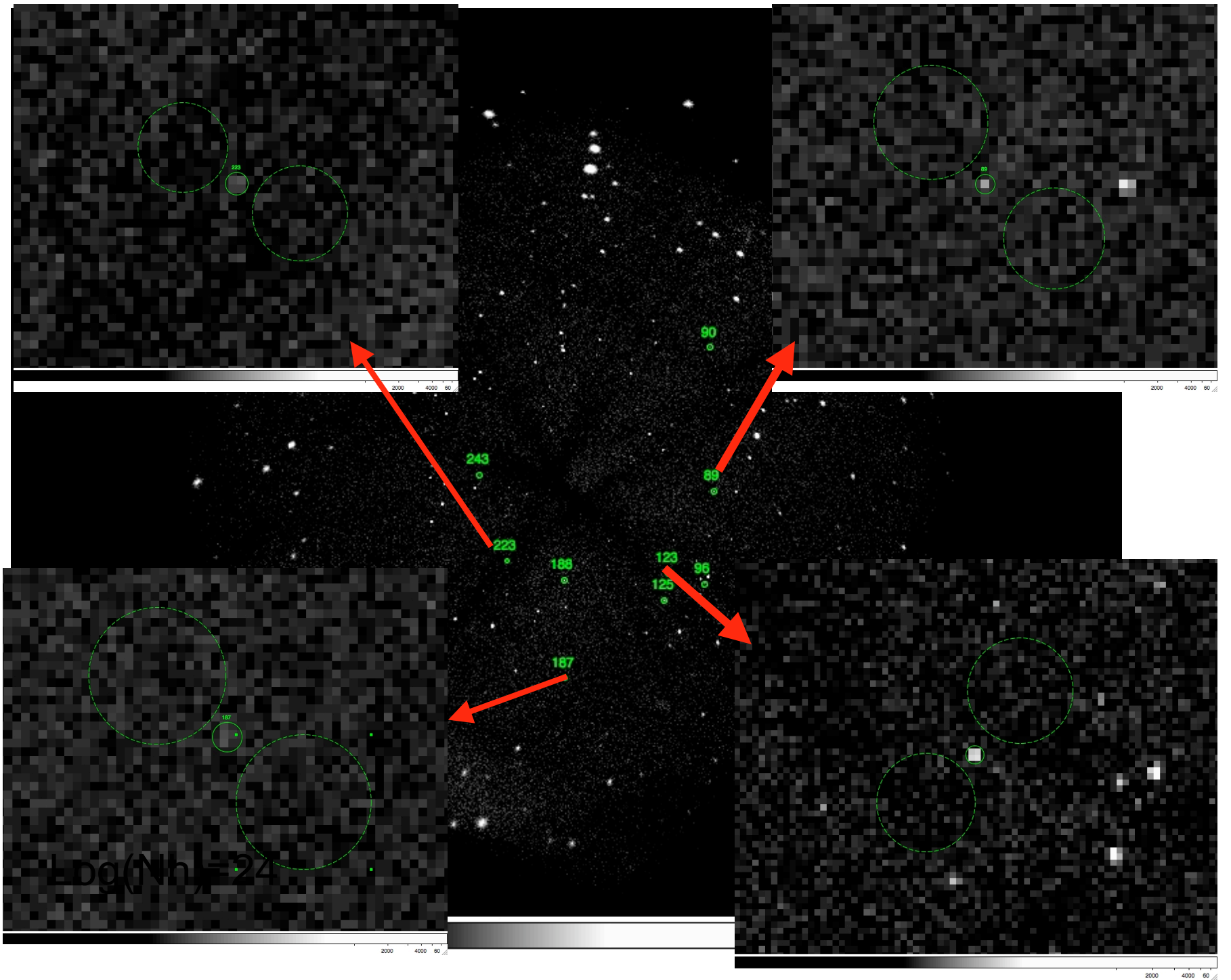
Chandra data reduction

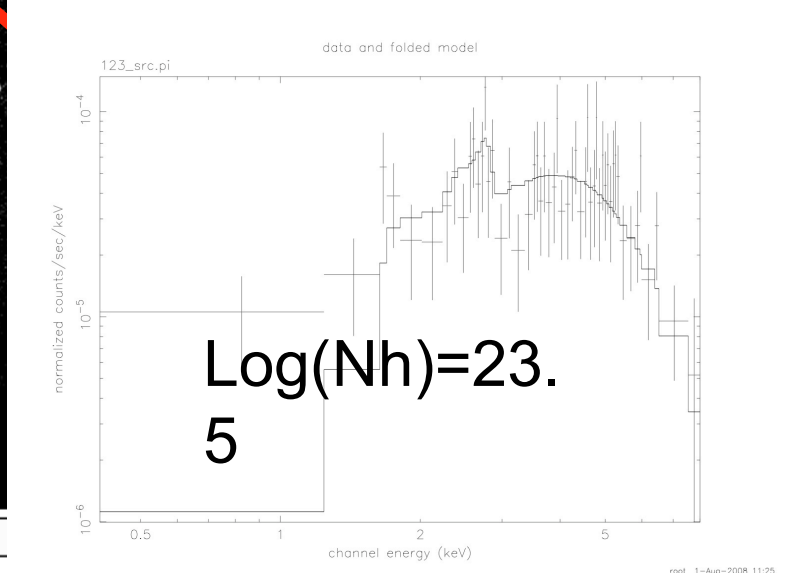
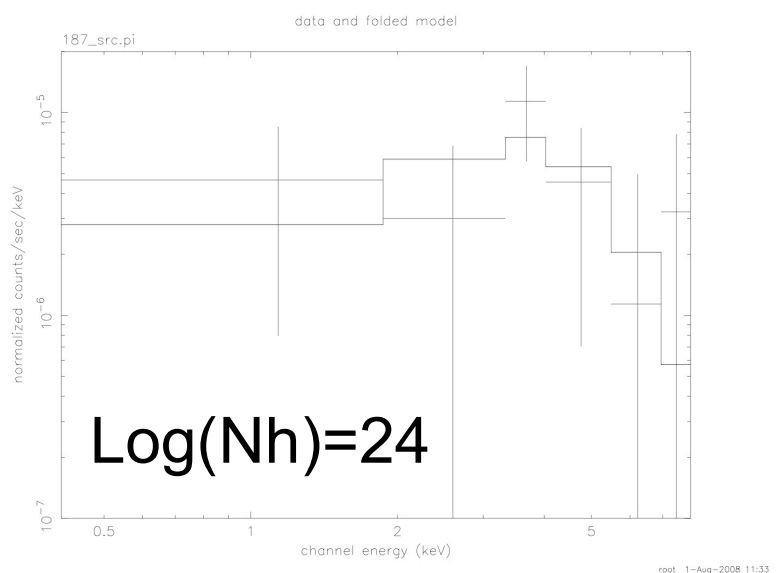
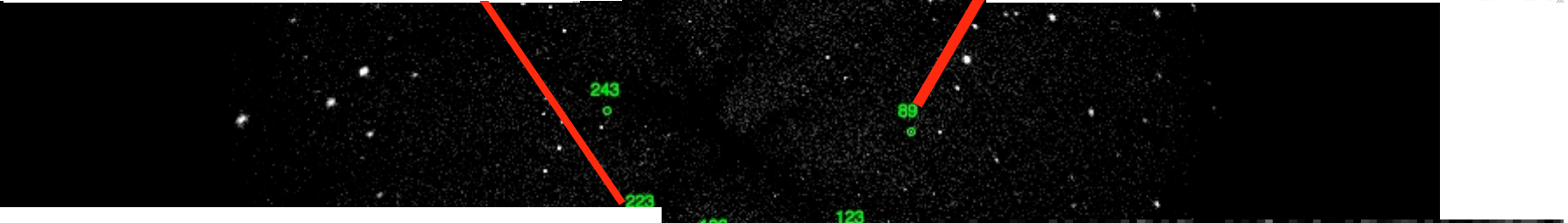
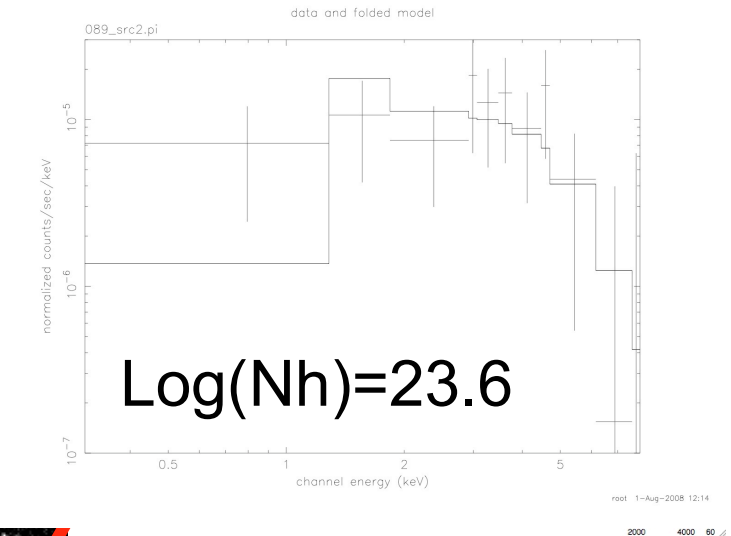
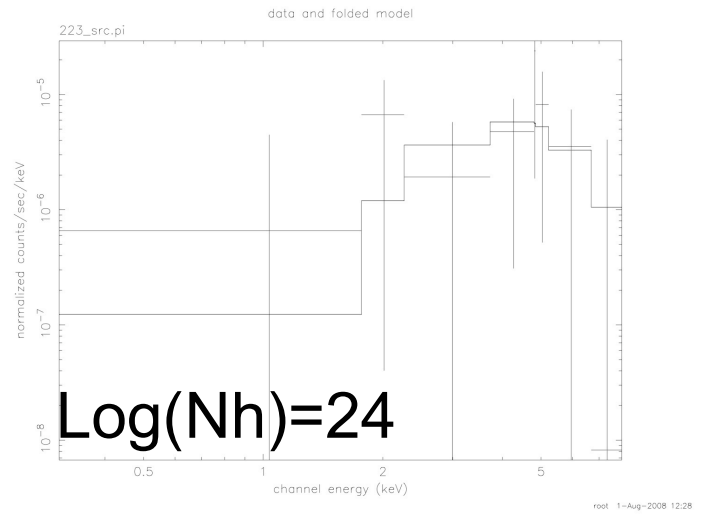
The CDFs

Giorgio, Margherita, Elisabeta,
Eleonora, Lazarus, Enrica, Laurel,
Enrique, Fabrizio

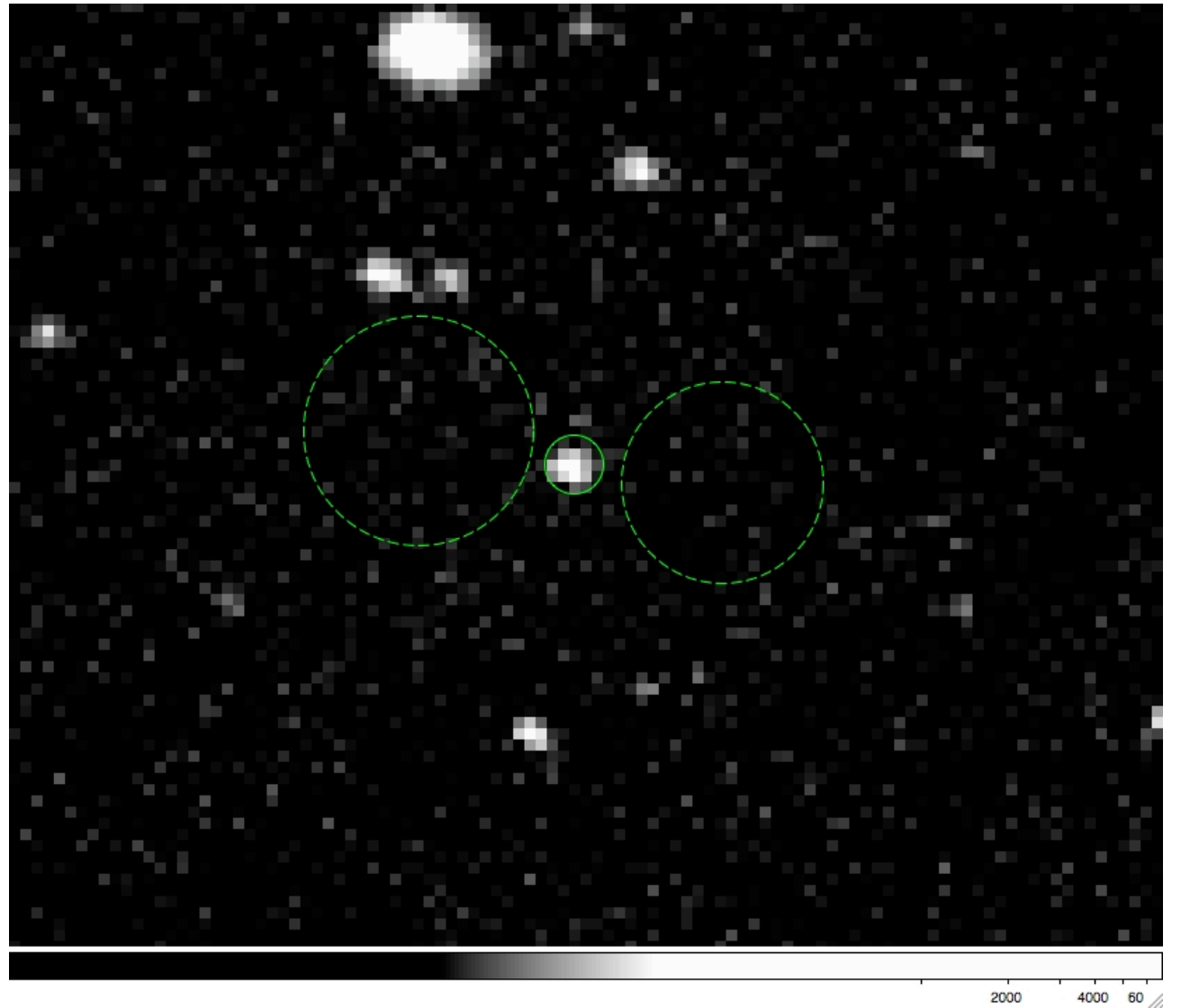


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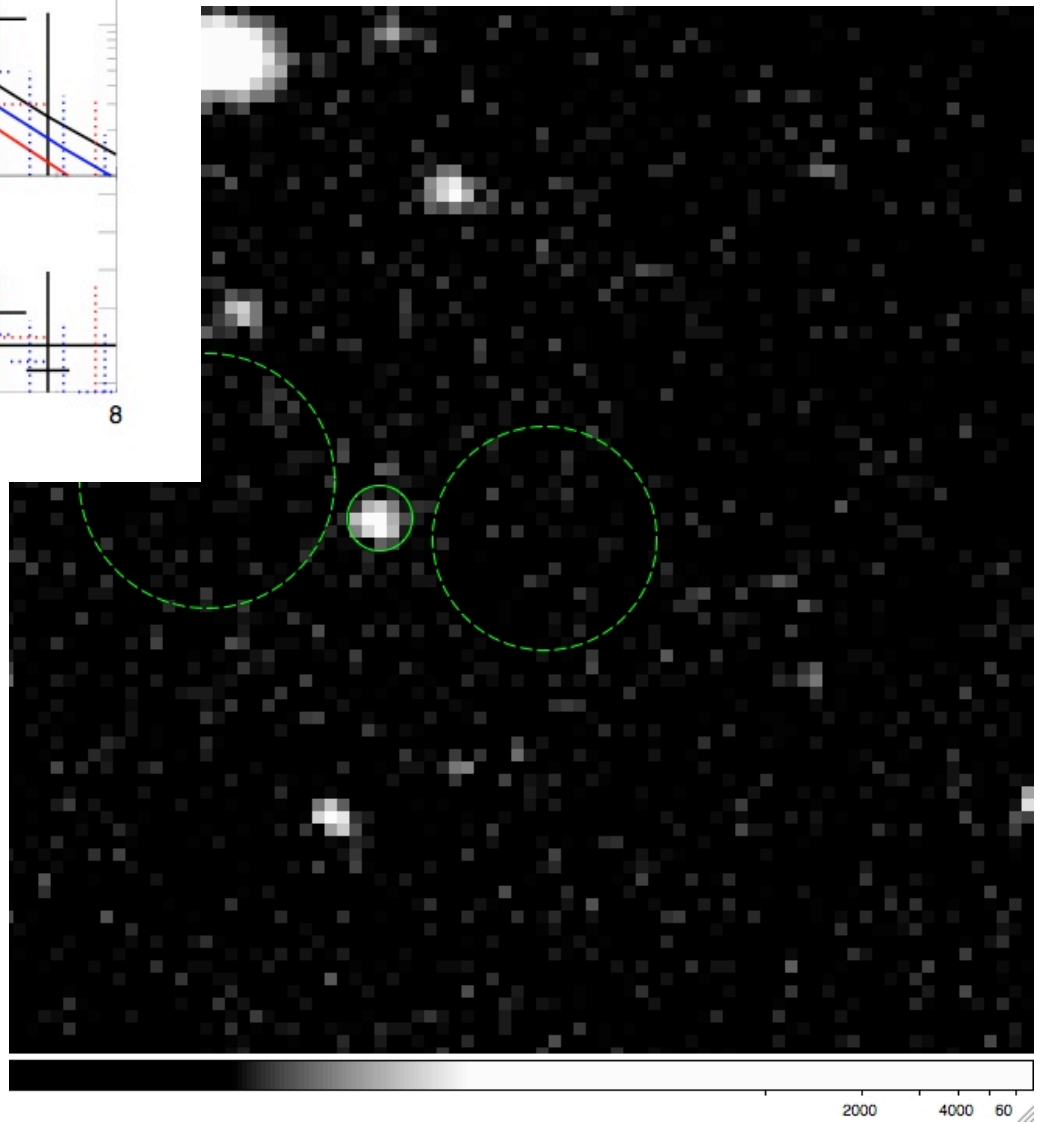
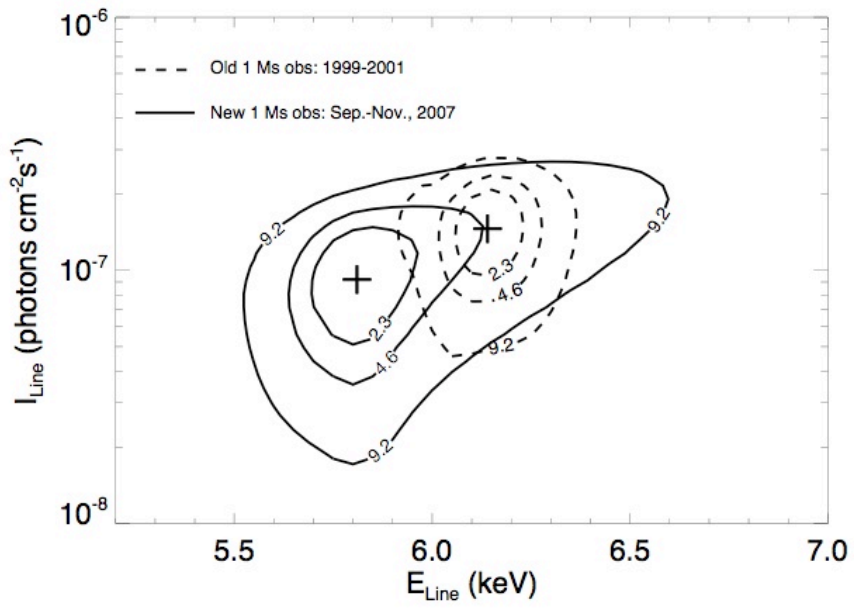
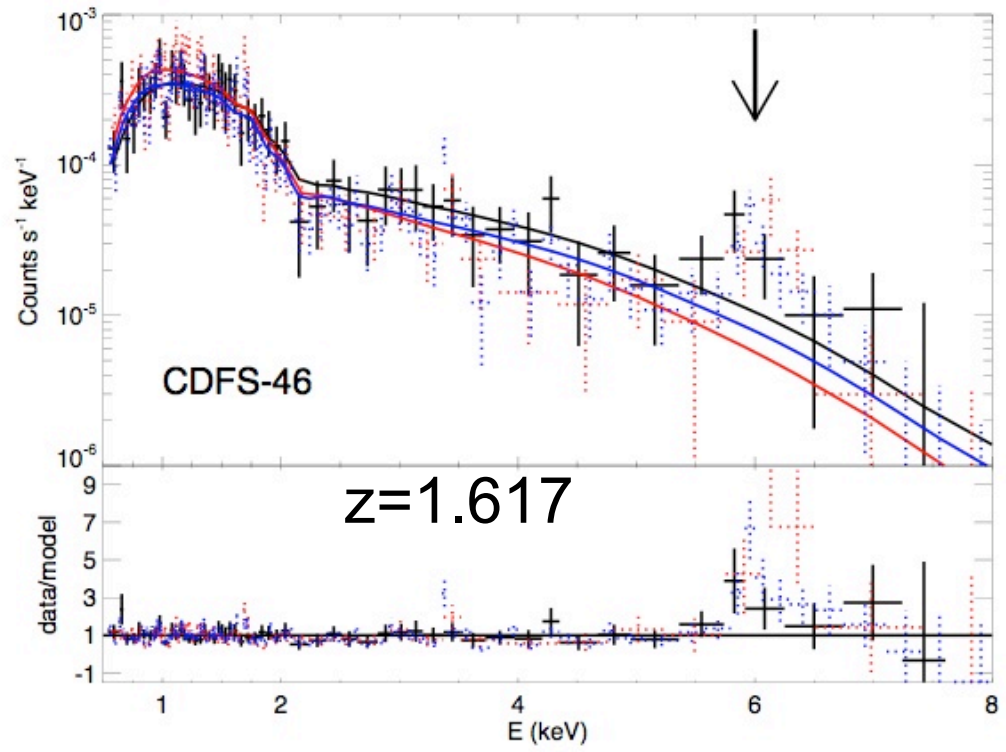


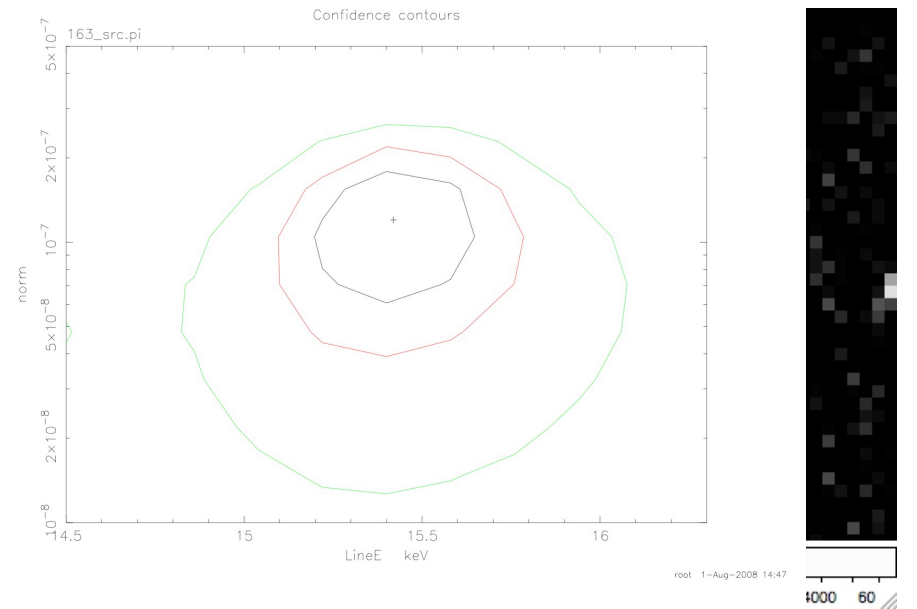
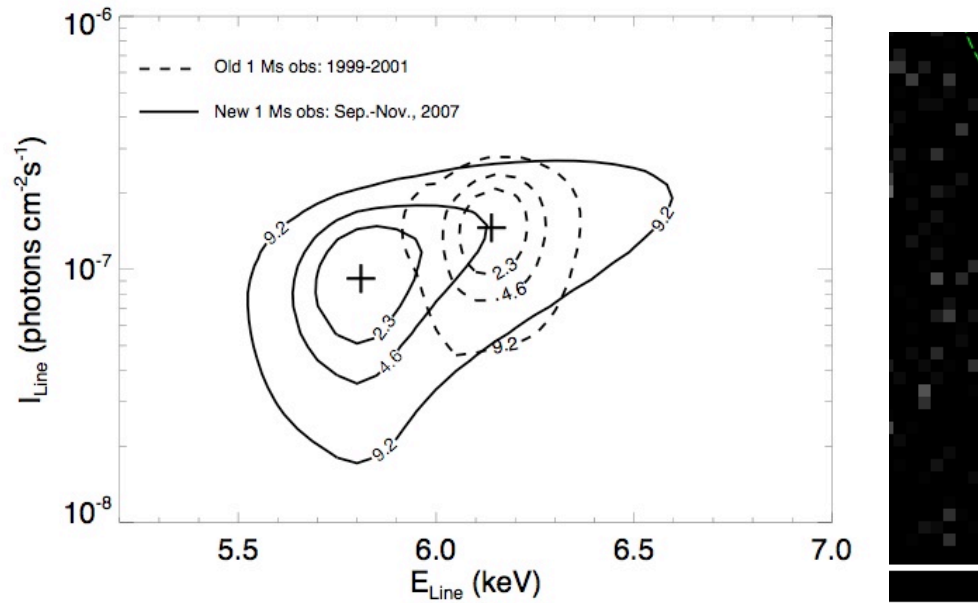
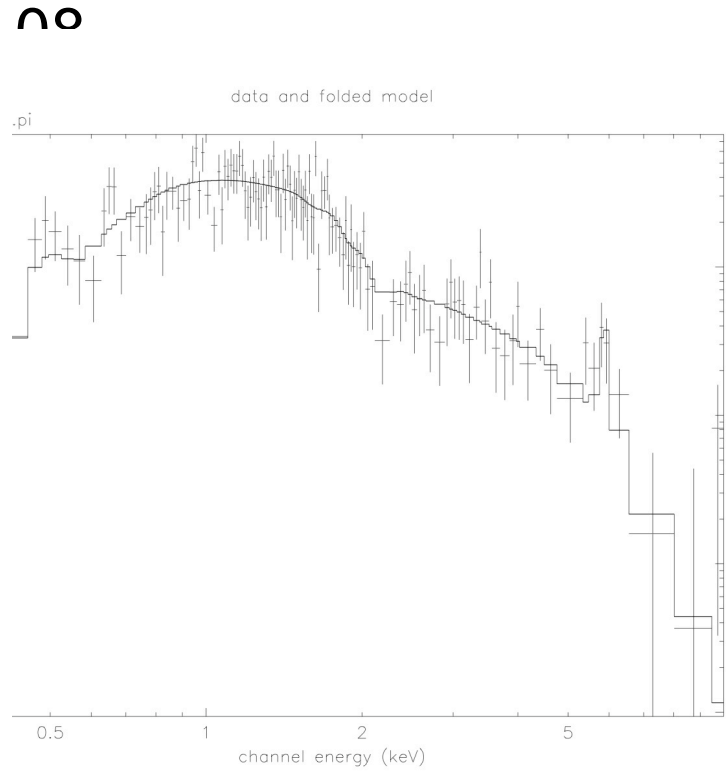
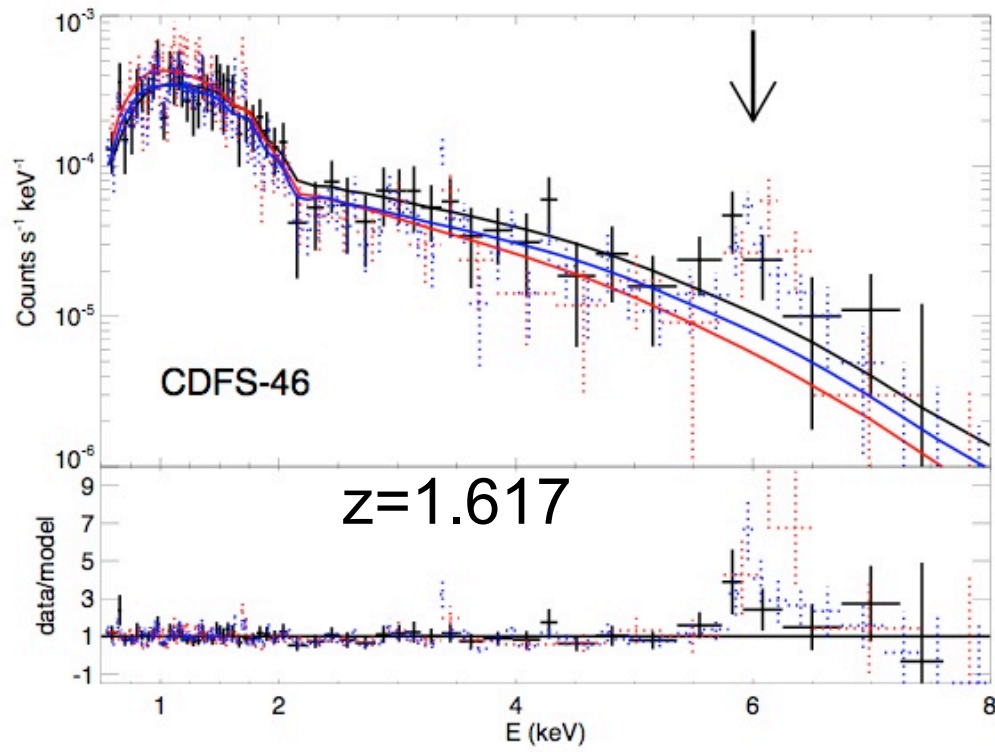


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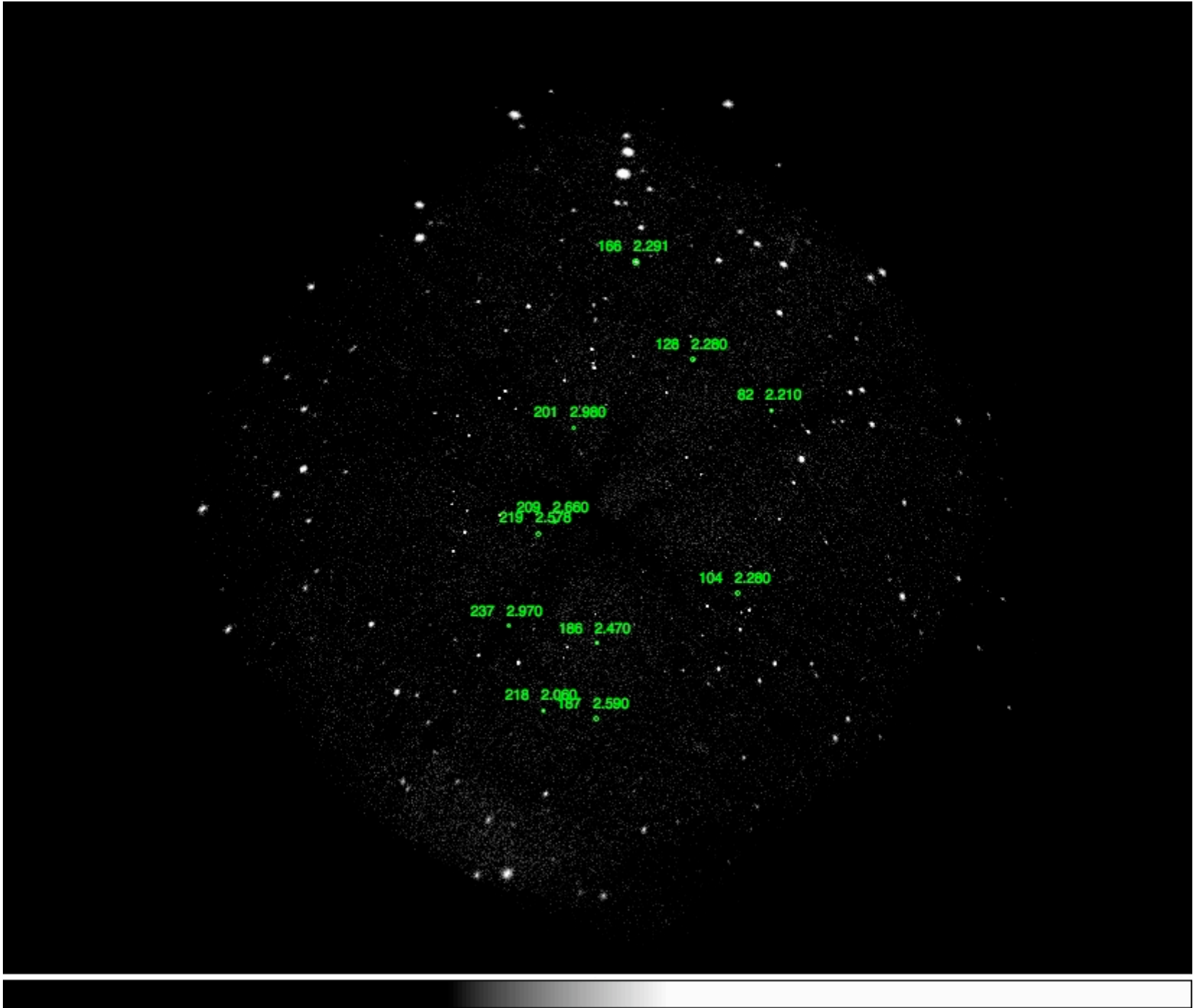


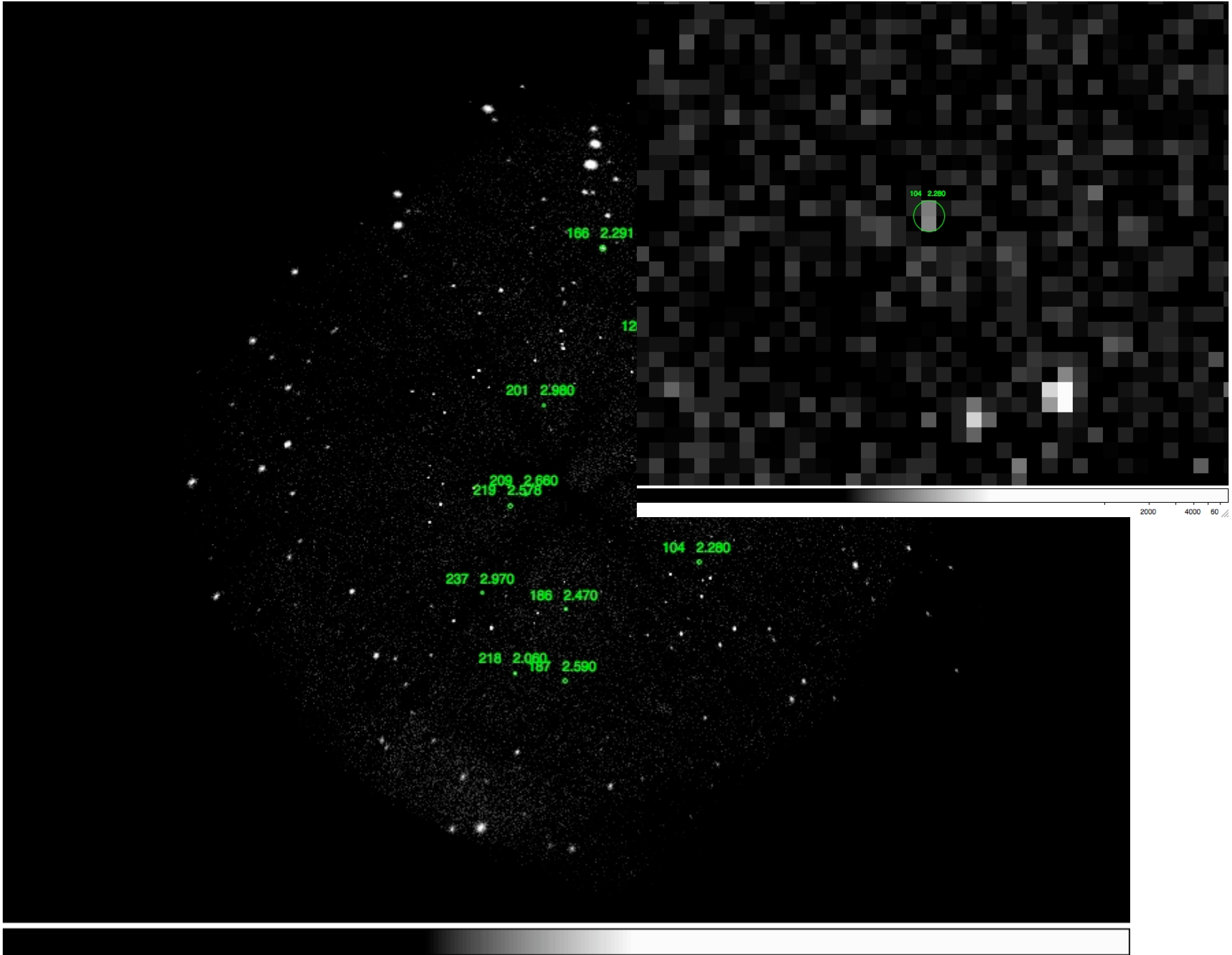


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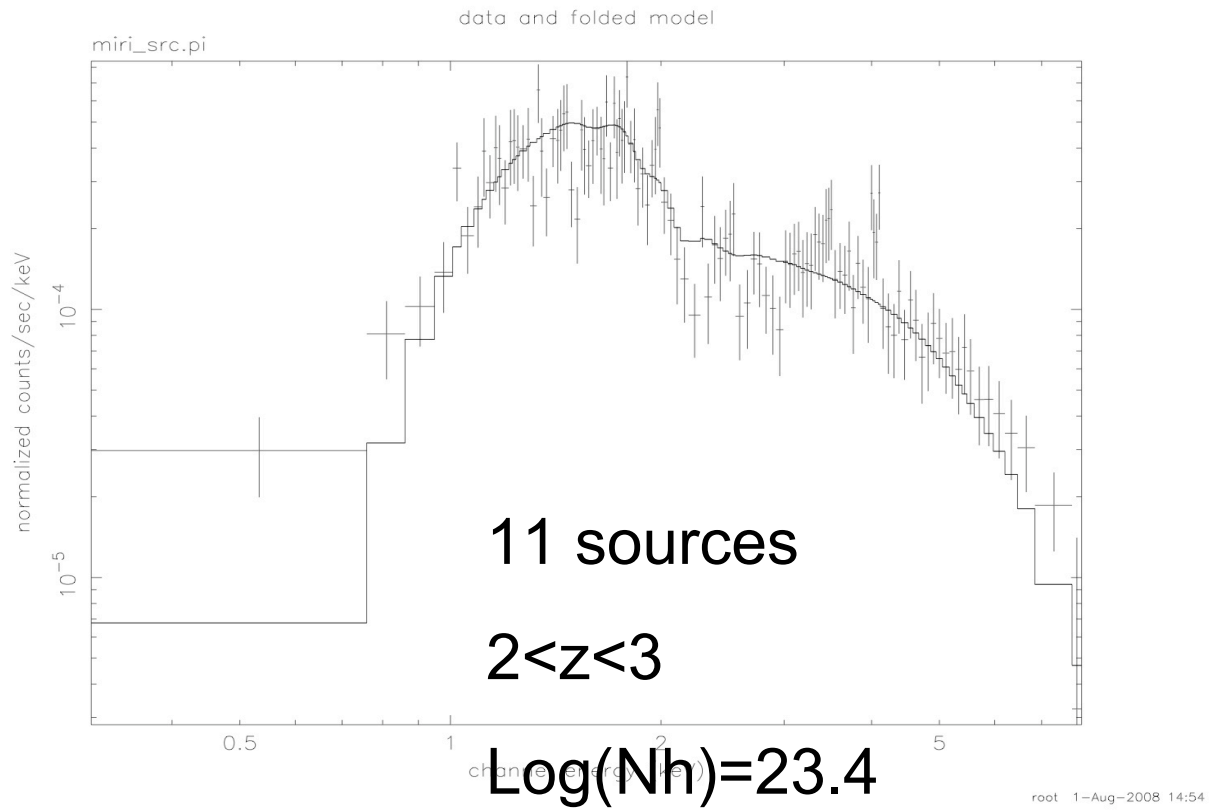
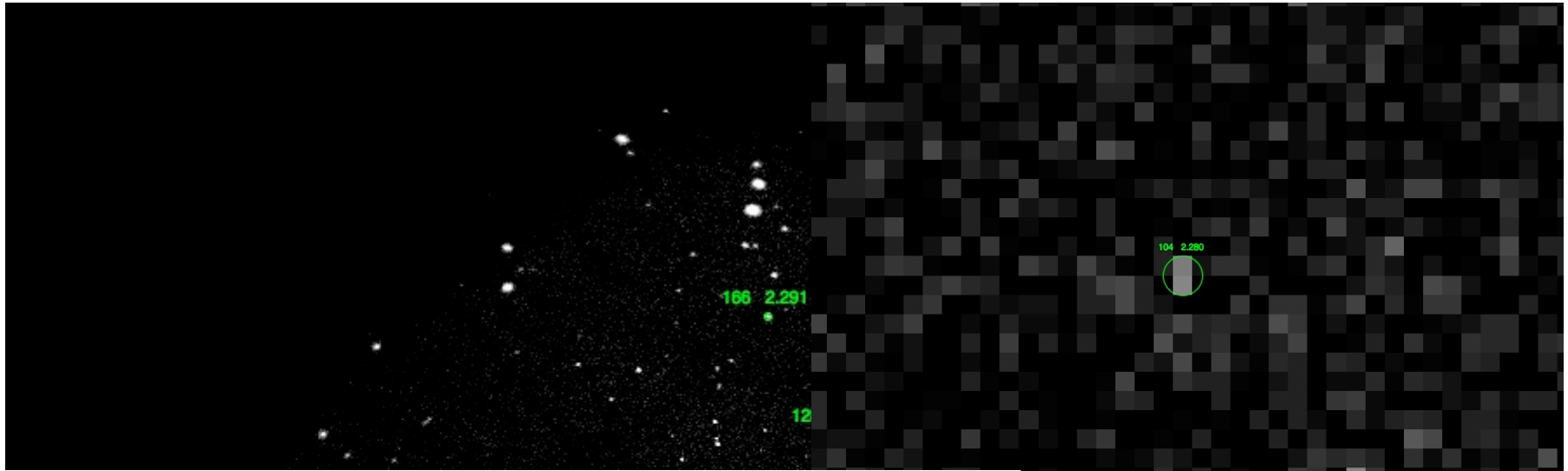
root 1--Aug-2008 14:47

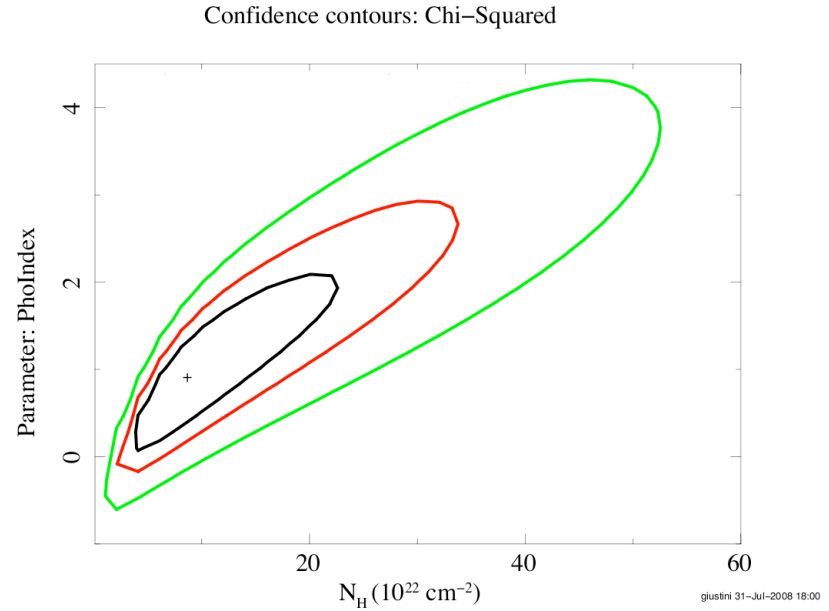
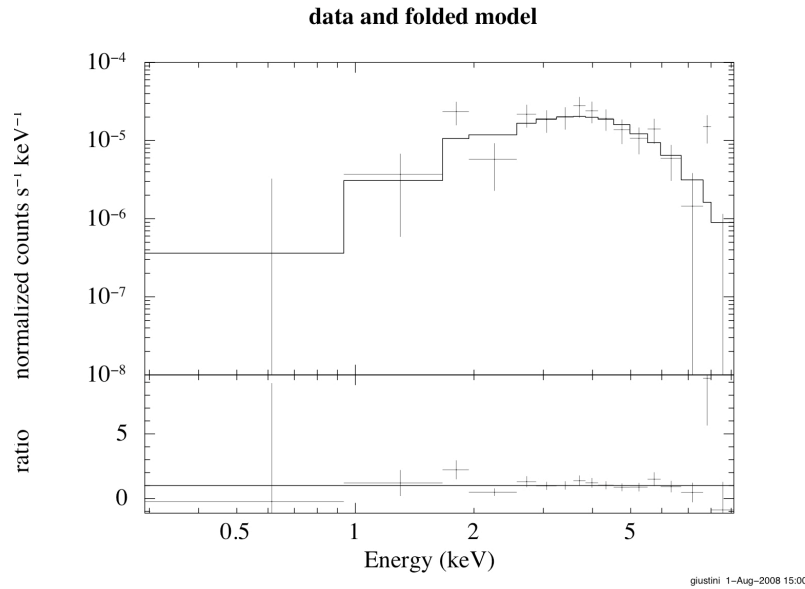
1000 60





2000 4000 60 //





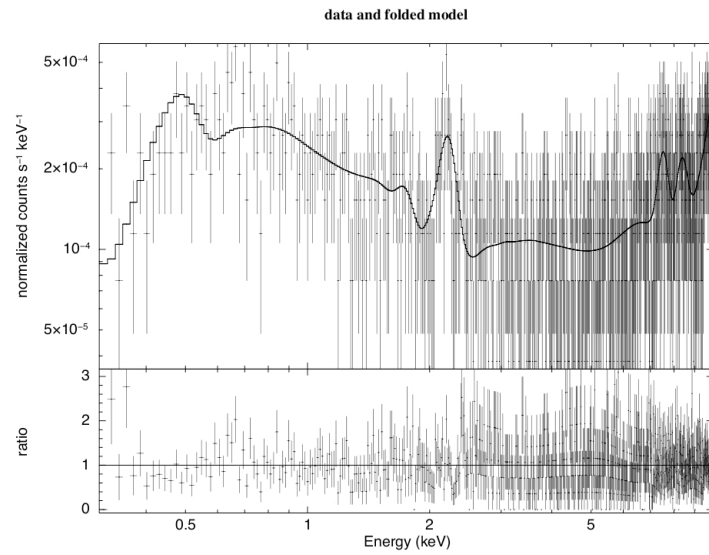
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Model **wabs<1>*zwabs<2>*powerlaw<3>** Source No.: 1 Active/On

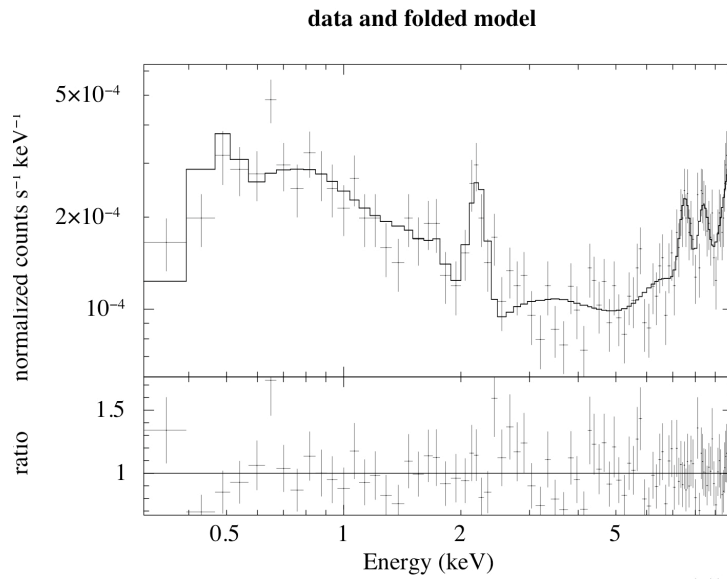
Model	Model Component	Parameter	Unit	Value
par	comp			
1	1 wabs	nH	10 ²²	1.00000E-02 frozen
2	2 zwabs	nH	10²²	8.88983 +/- 3.50514
3	2 zwabs	redshift		0.481000 frozen
4	3 powerlaw	PhotoIndex		0.914029 +/- 0.232553
5	3 powerlaw	norm		2.36292E-07 +/- 2.65760E-07

Using energies from responses.

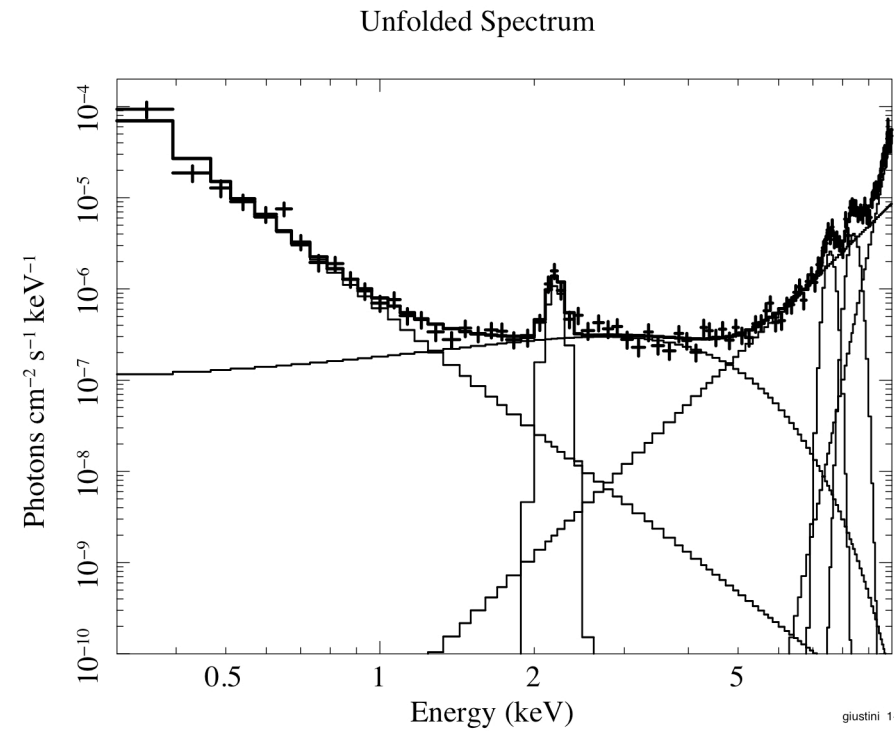
Chi-Squared = 15.18 using 17 PHA bins.
 Reduced chi-squared = 1.084 for 14 degrees of freedom
 Null hypothesis probability = 3.659512e-01
 Weighting method: standard



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**wabs<1>*zwabs<2>*powerlaw<3> + powerlaw<4>
+ gaussian<5> + powerlaw<6> + gaussian<7> +
powerlaw<8> + gaussian<9> + gaussian<10>**

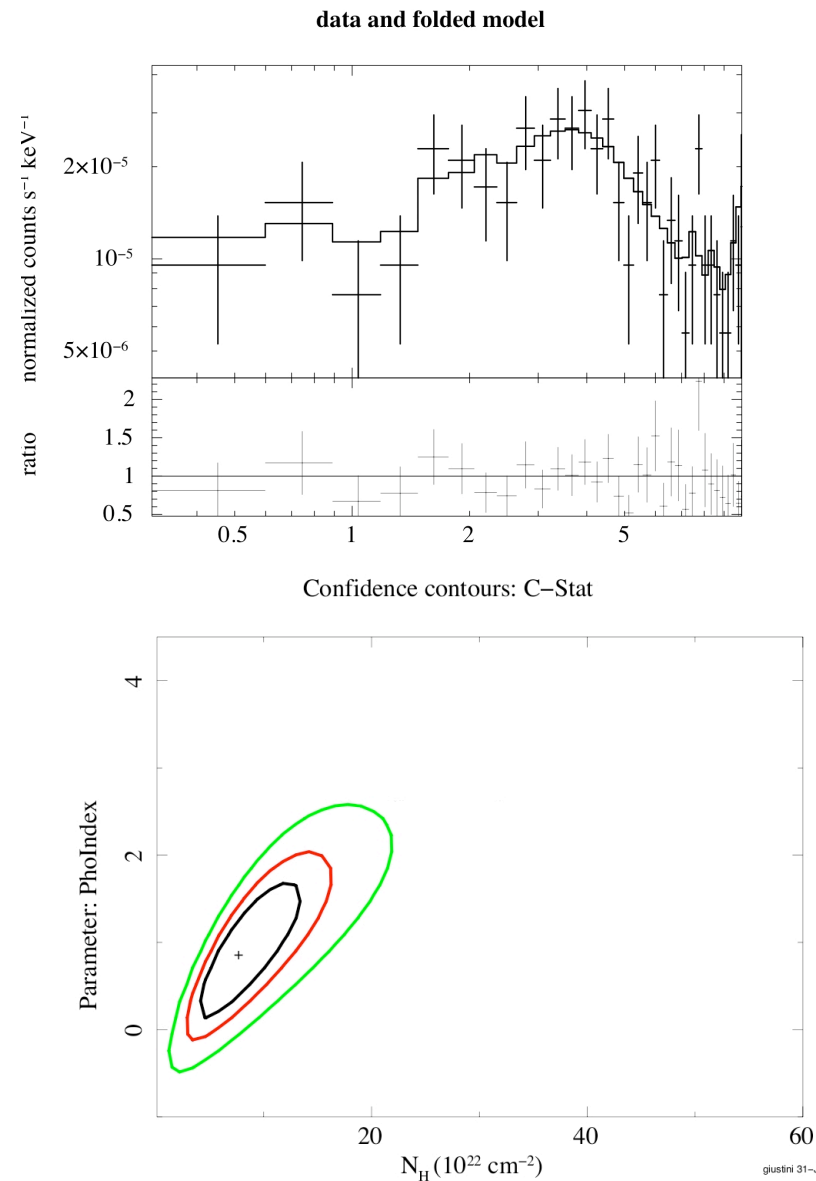
=====

Model **wabs<1>*zwabs<2>*powerlaw<3> + powerlaw<4> + gaussian<5> + powerlaw<6> + gaussian<7> + powerlaw<8> + gaussian<9> + gaussian<10>**

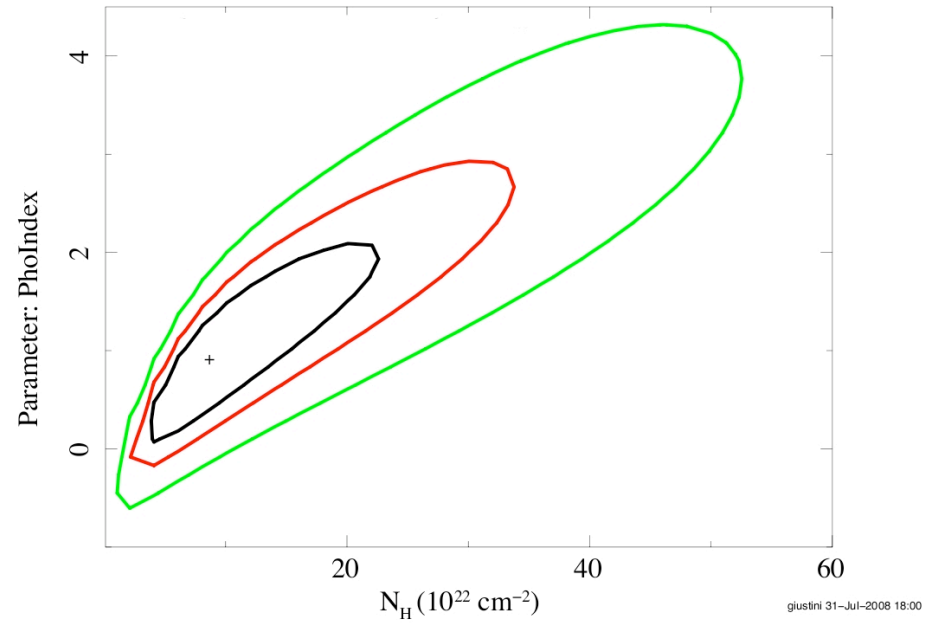
Source No.: 1 Active/On

Model	Component	Parameter	Unit	Value
par comp				
1	1	wabs	nH	10^22 1.00000E-02 frozen
2	2	zwabs	nH	10^22 7.81893 +/- 3.07105
3	2	zwabs	redshift	0.481000 frozen
4	3	powerlaw	PhoIndex	0.863339 +/- 0.508804
5	3	powerlaw	norm	2.20851E-07 +/- 3.73254E-07
6	4	powerlaw	PhoIndex	4.45000 frozen
7	4	powerlaw	norm	2.75500E-08 frozen
8	5	gaussian	LineE	keV 2.20000 frozen
9	5	gaussian	Sigma	keV 7.37000E-02 frozen
10	5	gaussian	norm	9.41000E-09 frozen
11	6	powerlaw	PhoIndex	-5.52000 frozen
12	6	powerlaw	norm	1.17700E-12 frozen
13	7	gaussian	LineE	keV 2.73700 frozen
14	7	gaussian	Sigma	keV 1.73300 frozen
15	7	gaussian	norm	5.85350E-08 frozen
16	8	powerlaw	PhoIndex	-28.2200 frozen
17	8	powerlaw	norm	1.43000E-34 frozen
18	9	gaussian	LineE	keV 7.56500 frozen
19	9	gaussian	Sigma	keV 0.161300 frozen
20	9	gaussian	norm	4.73400E-08 frozen
21	10	gaussian	LineE	keV 8.41000 frozen
22	10	gaussian	Sigma	keV 0.204000 frozen
23	10	gaussian	norm	9.32300E-08 frozen

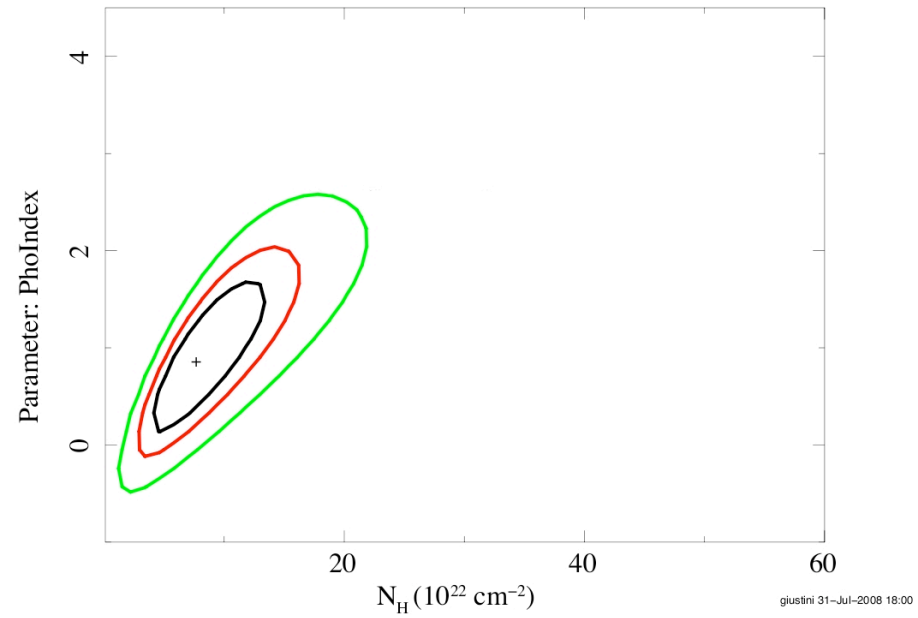
C-statistic = 595.55 using 663 PHA bins and 660 degrees of freedom.



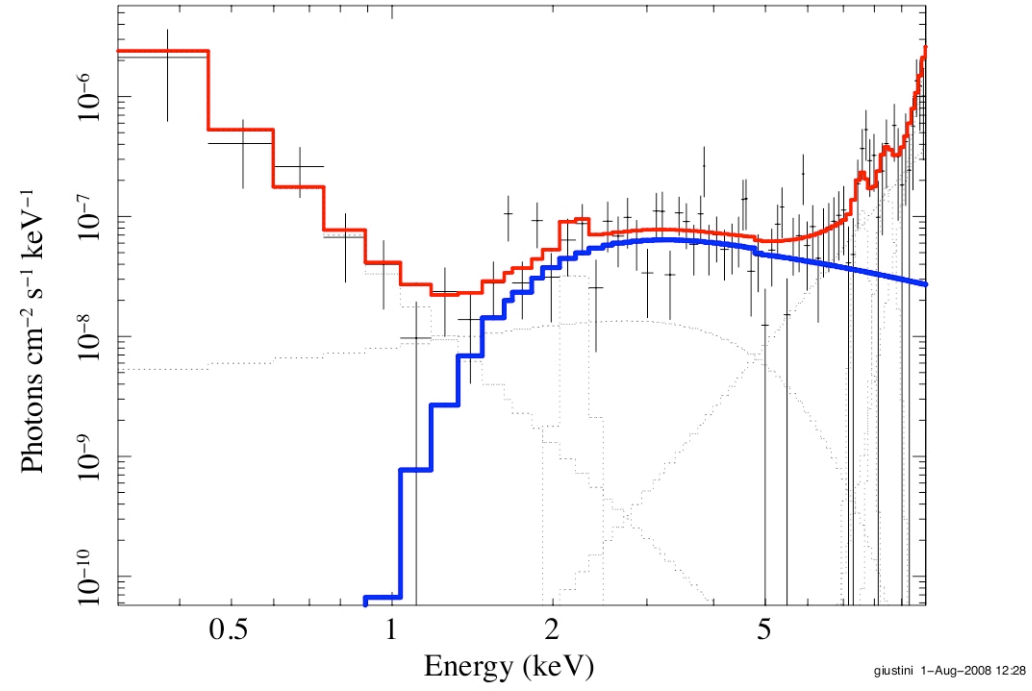
Confidence contours: Chi-Squared



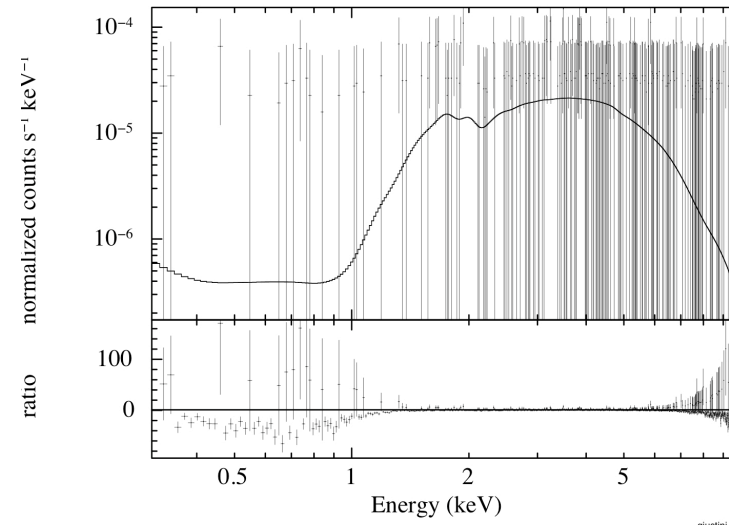
Confidence contours: C-Stat



Unfolded Spectrum



data and folded model



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$$W = 2 \sum_{i=1}^N \{ t_s y_i + (t_s + t_b) f_i - S_i \log(t_s y_i + t_s f_i) - B_i \log(t_b f_i) - S_i (1 - \log S_i) - B_i (1 - \log B_i) \}$$