

Plans for further reduction, visualization and archiving of RESIK spectra

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RESIK Catalogue

http://www.cbk.pan.wroc.pl/experiments/resik/resik_catalogue.htm

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RESIK CATALOGUE

Detector Calibration
 Discriminator calibration
 GOES class -M
 GOES class -X
 Higher orders-ORD3
 Instrument switch off

LEGEND 2002 LEGEND 2003

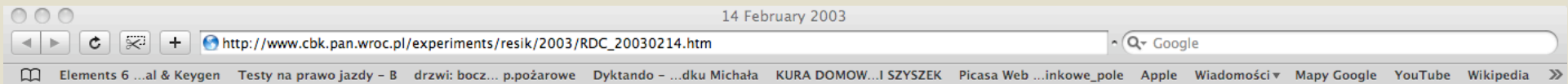
2003

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March	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
February	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28			
January	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

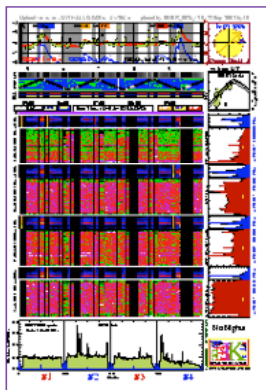
2002

December	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
November	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
October	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
September	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
August	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
July	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
June	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
May	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
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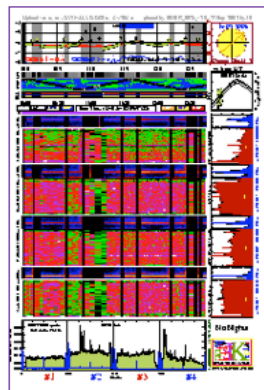
http://www.cbk.pan.wroc.pl/experiments/resik/resik_catalogue.htm



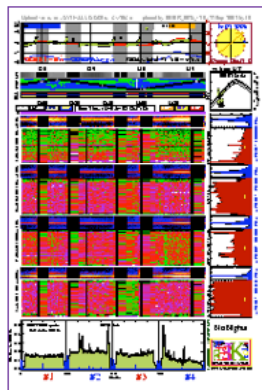
14 February 2003



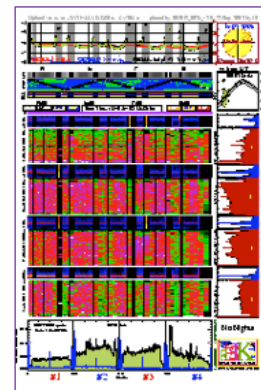
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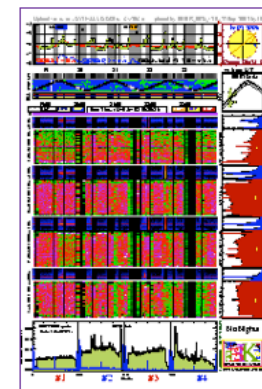
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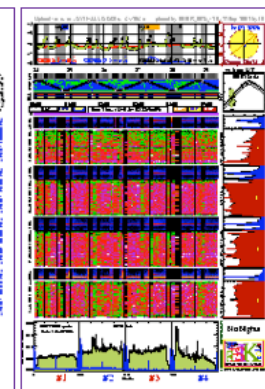
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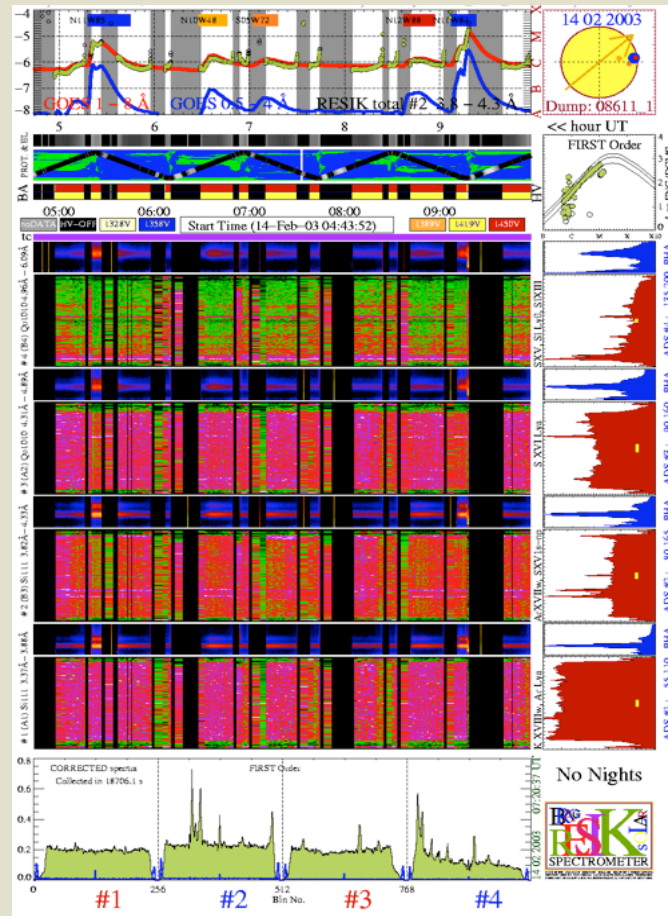
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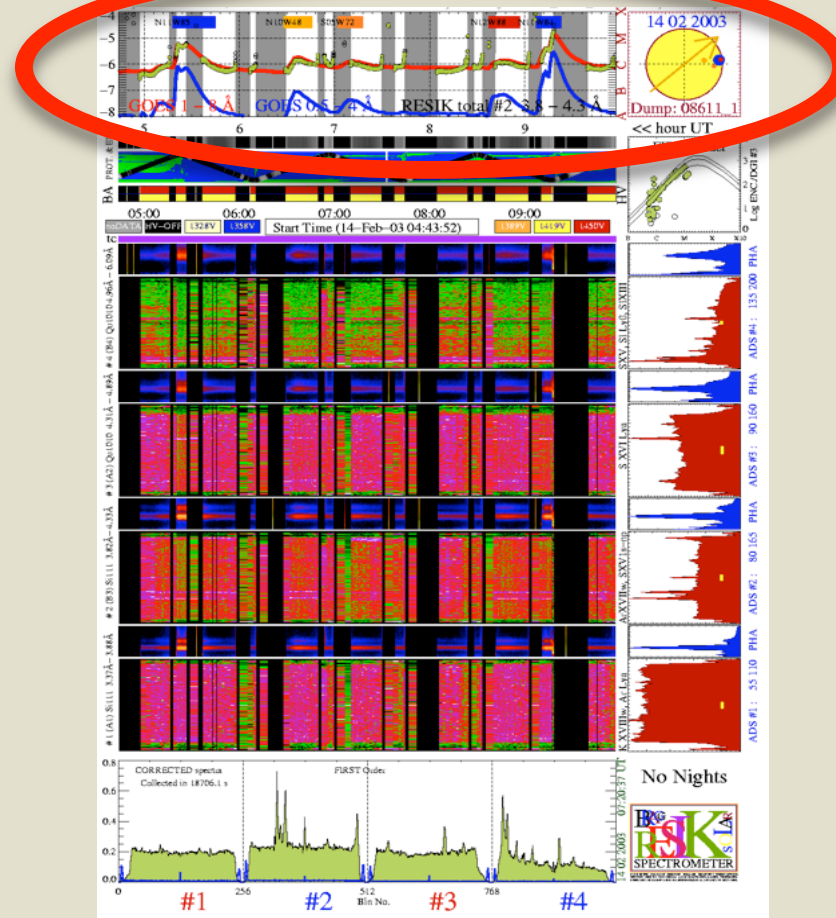
RESIK Catalogue

http://www.cbk.pan.wroc.pl/experiments/resik/legend/legend_2003.htm



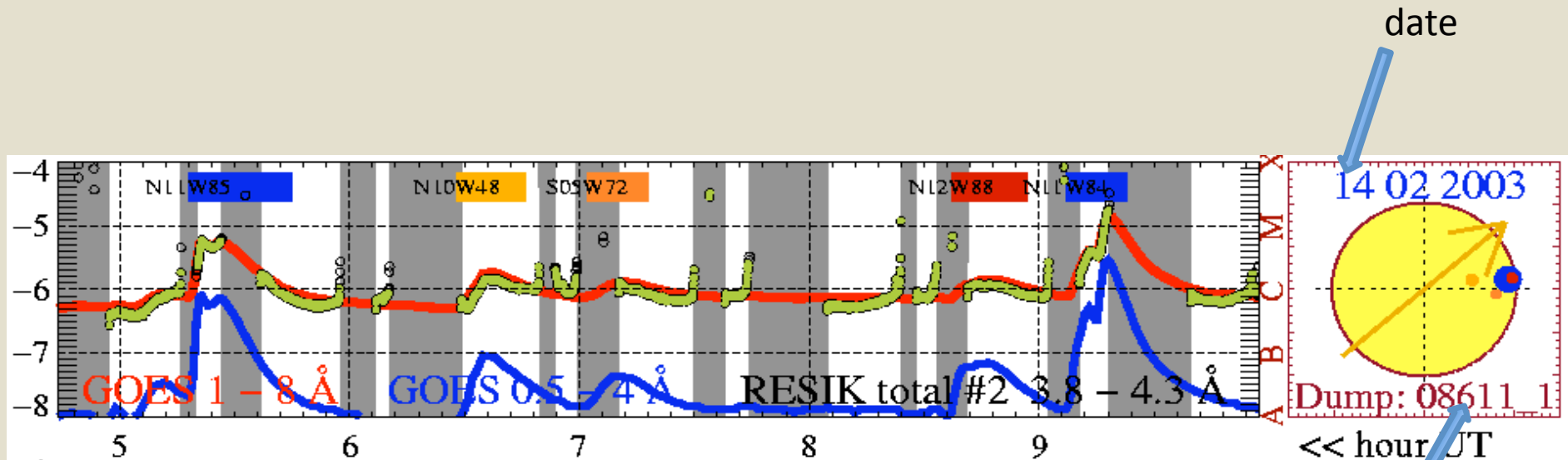
RESIK Catalogue

http://www.cbk.pan.wroc.pl/experiments/resik/legend/legend_2003.htm



RESIK Catalogue

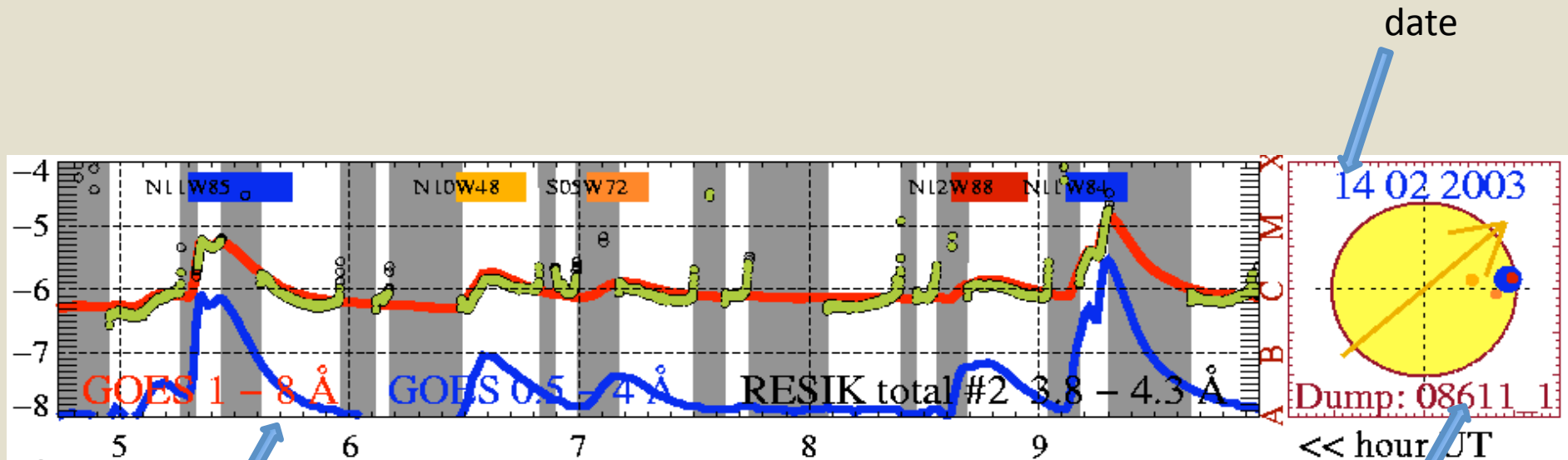
http://www.cbk.pan.wroc.pl/experiments/resik/legend/legend_2003.htm



dump identification
(the number of orbit when
the data presented were sent
to the ground)

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http://www.cbk.pan.wroc.pl/experiments/resik/legend/legend_2003.htm

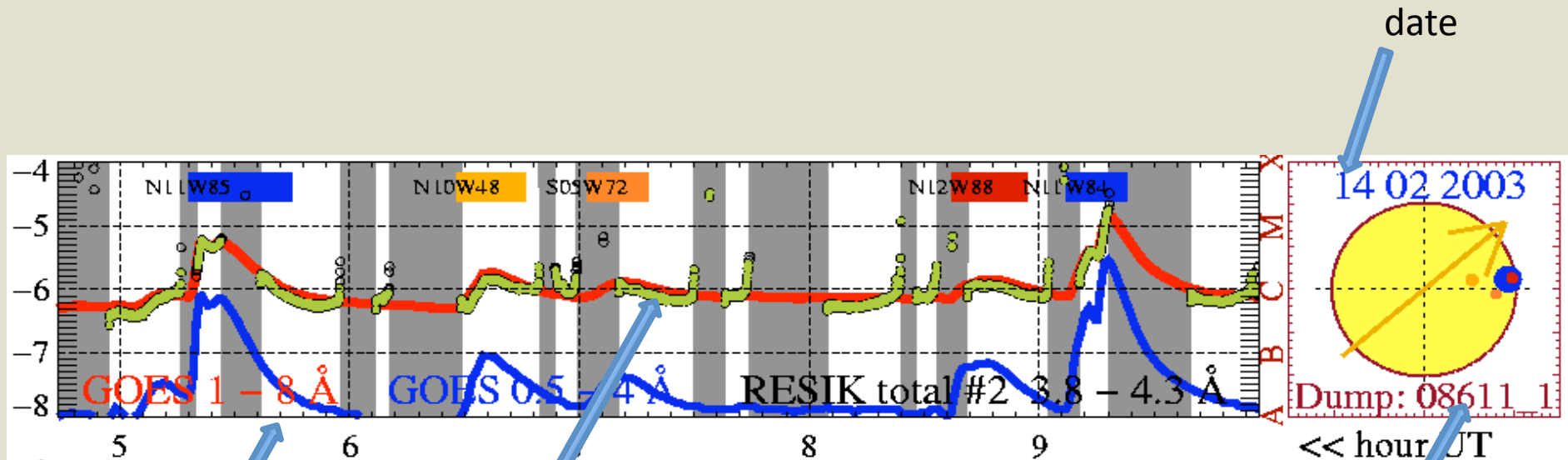


Log GOES flux level

date
14 02 2003
Dump: 08611_1
<< hour UT
dump identification
(the number of orbit when
the data presented were sent
to the ground)

RESIK Catalogue

http://www.cbk.pan.wroc.pl/experiments/resik/legend/legend_2003.htm

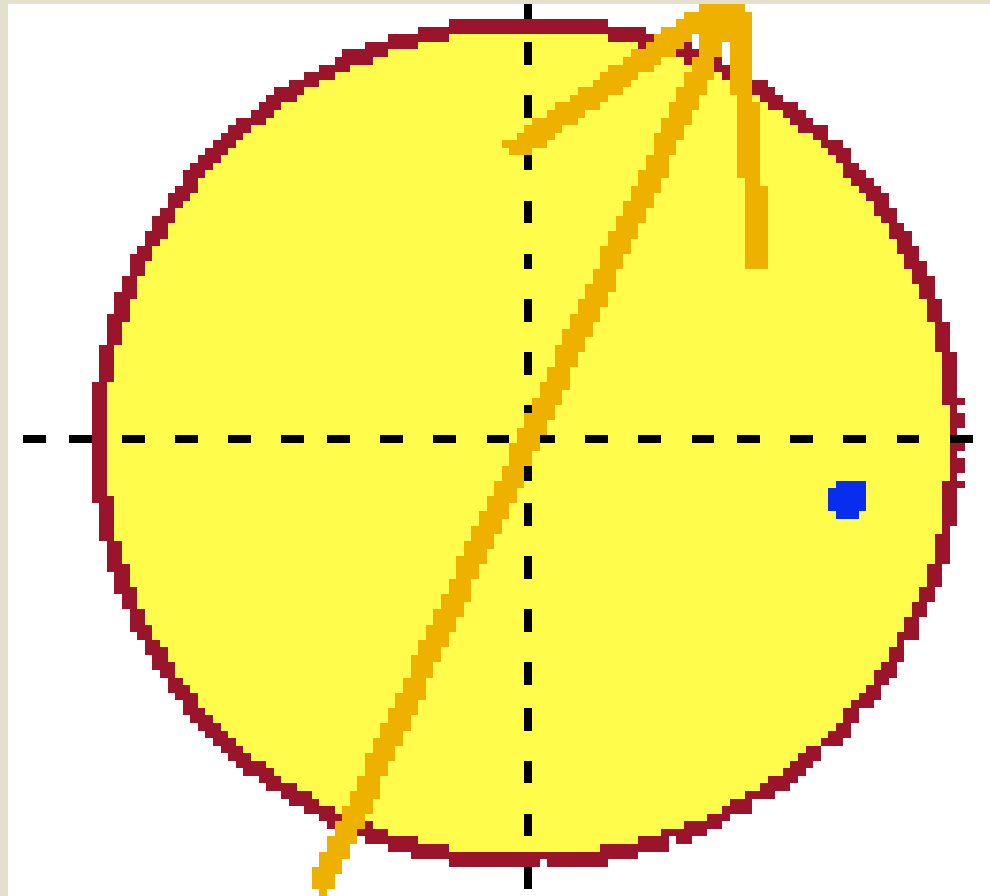


Log GOES flux level

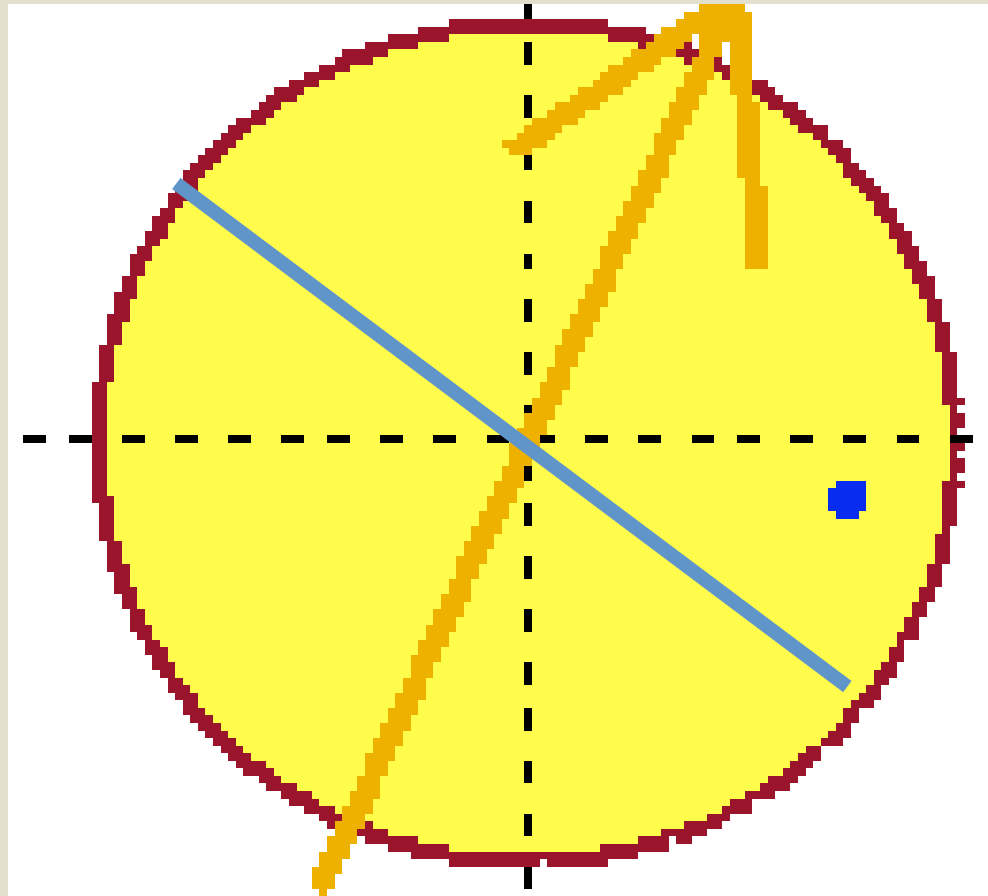
RESIK lightcurve plot for Channel #2
In green - times when clean RESIK spectra are available.

date
dump identification
(the number of orbit when the data presented were sent to the ground)

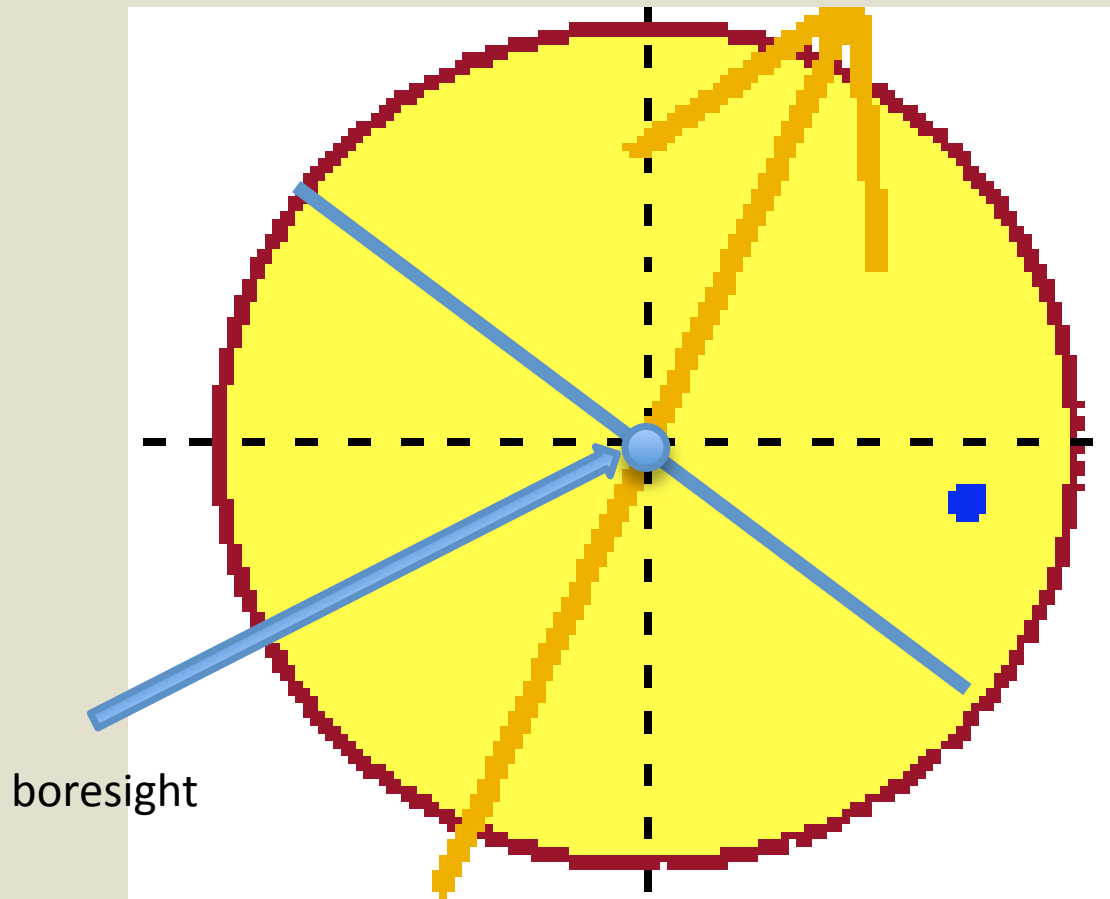
Offset



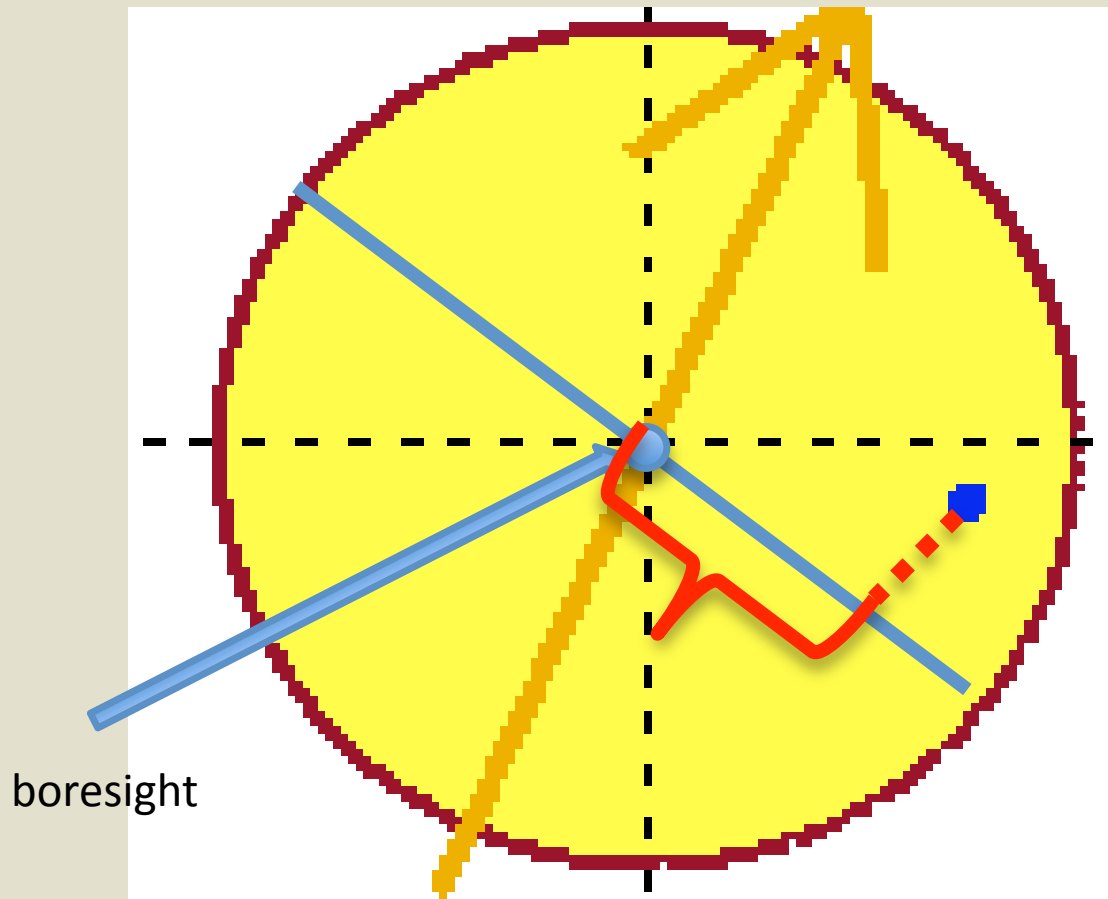
Offset



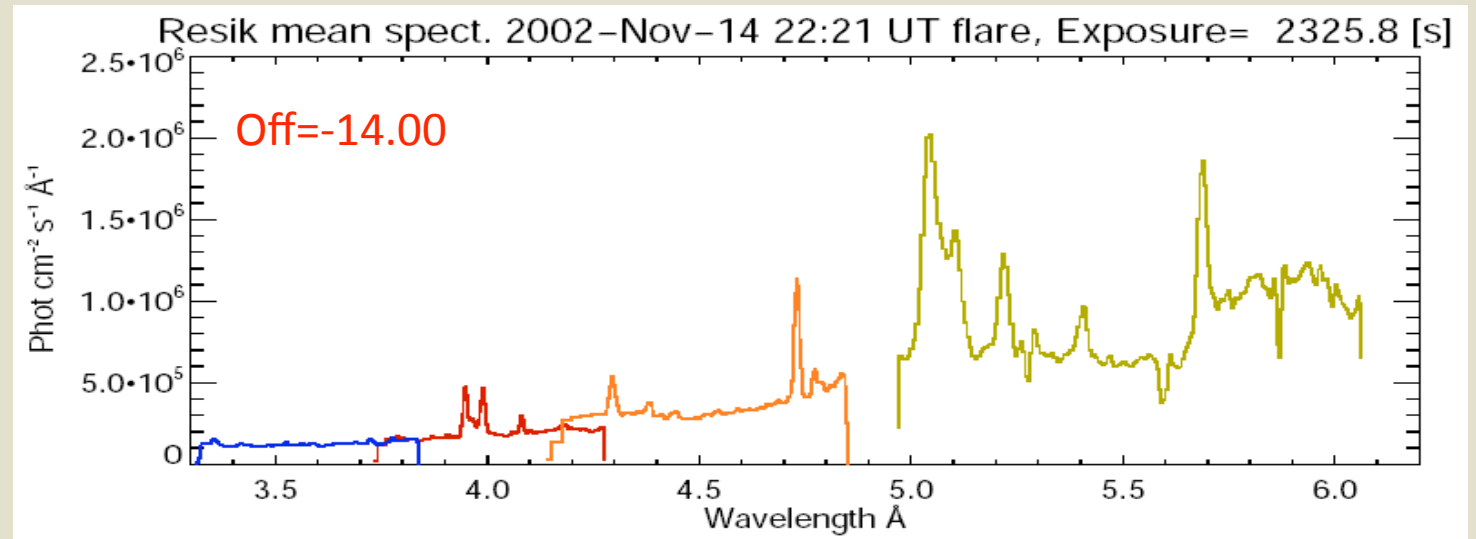
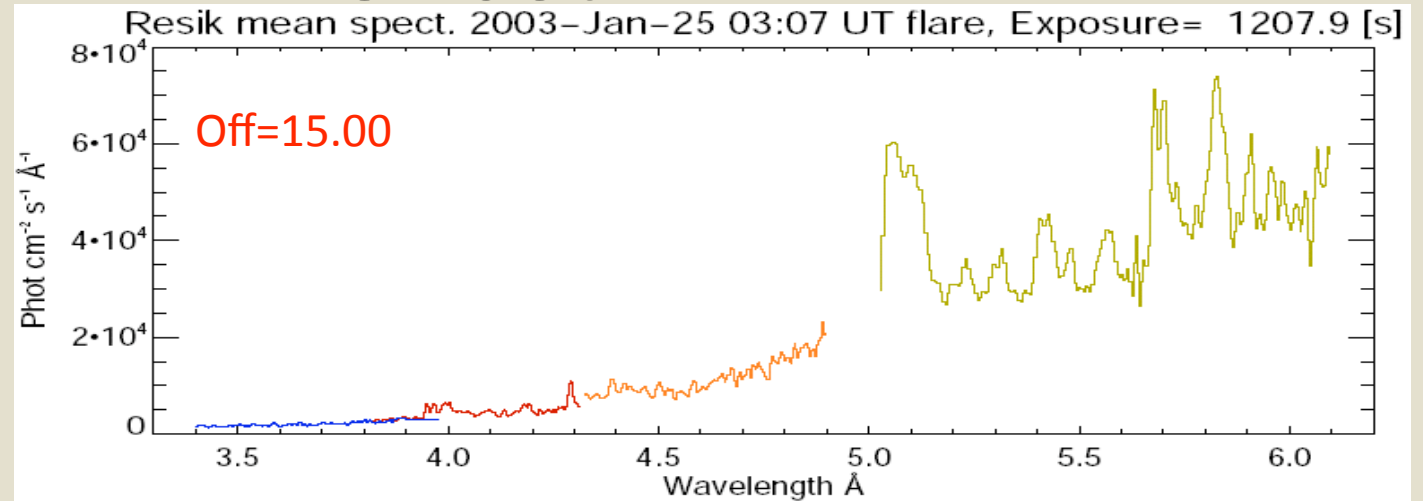
Offset



Offset



Offset

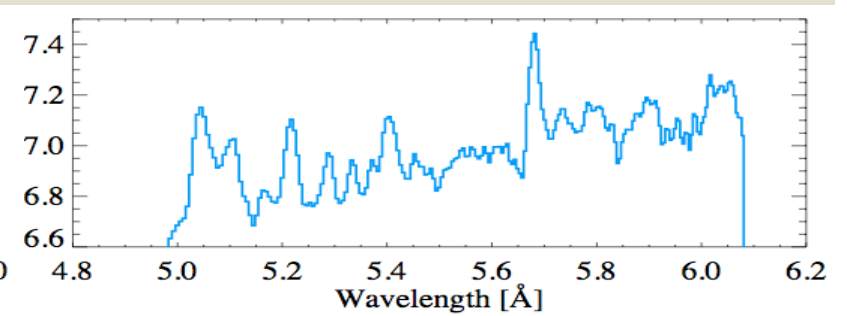
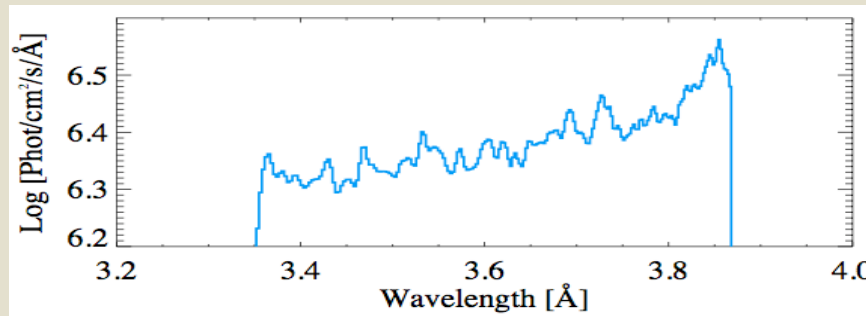
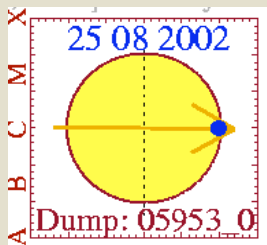


Offset ~ 0.3

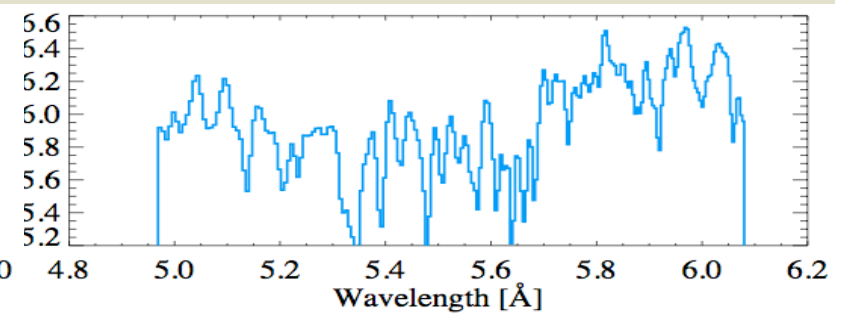
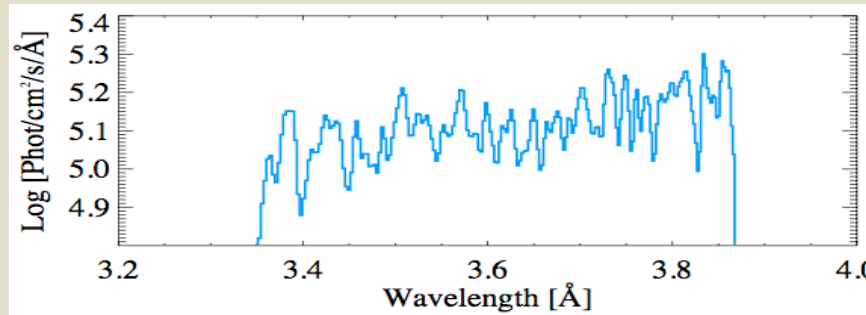
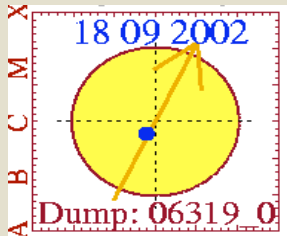
Channel 1

Channel 4

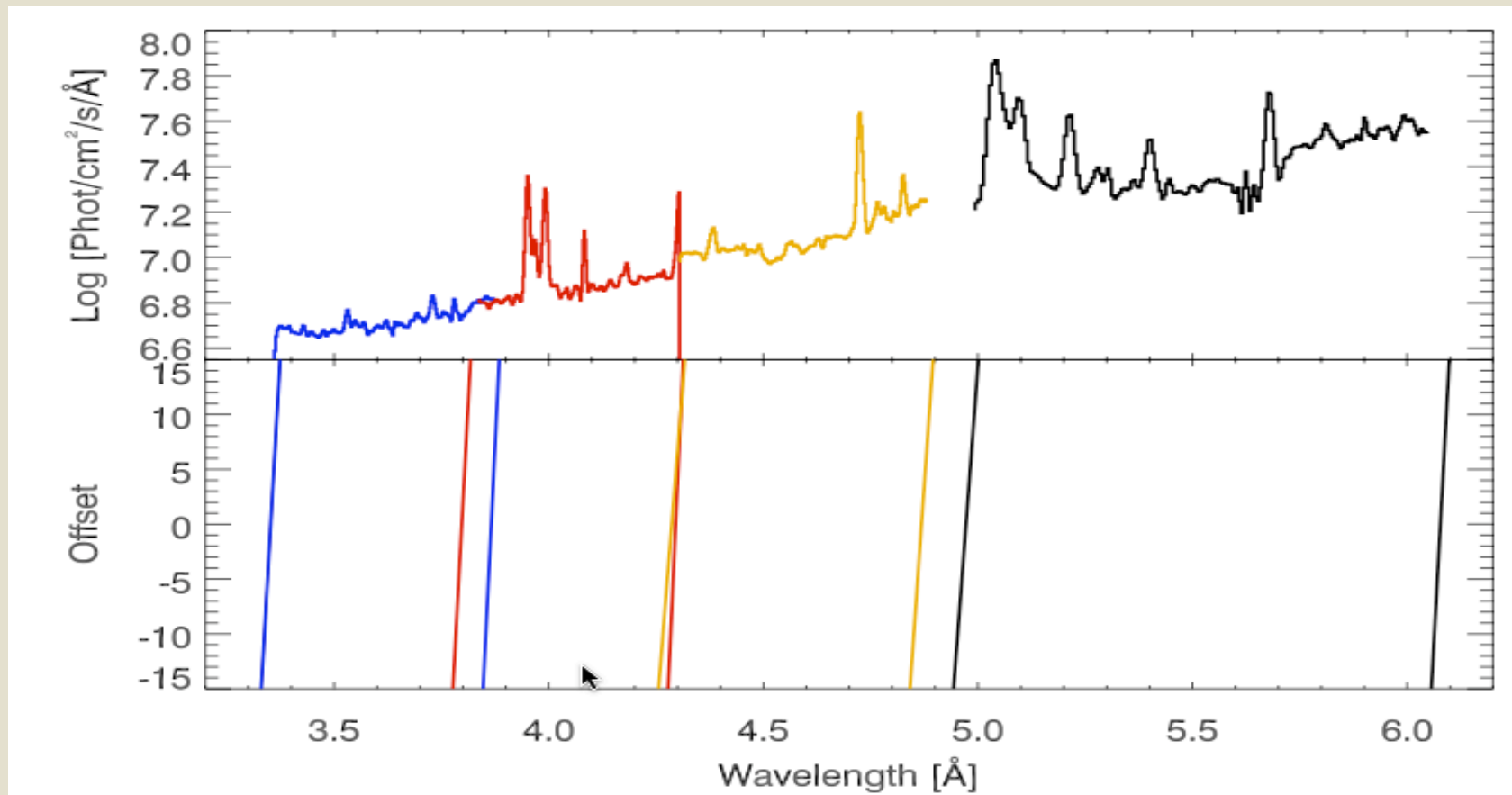
10:18 UT



10:30 UT



Offset



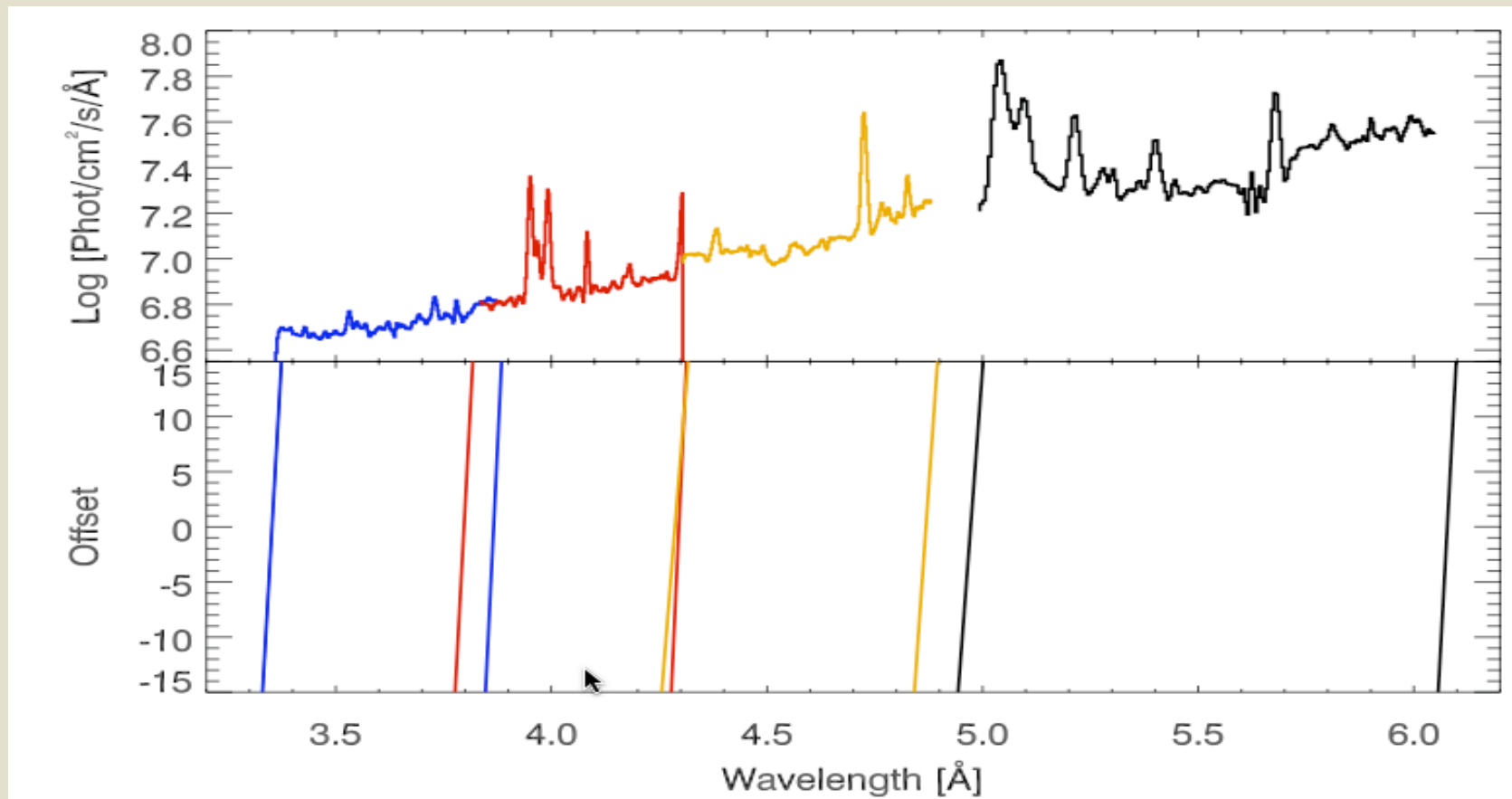
Offset

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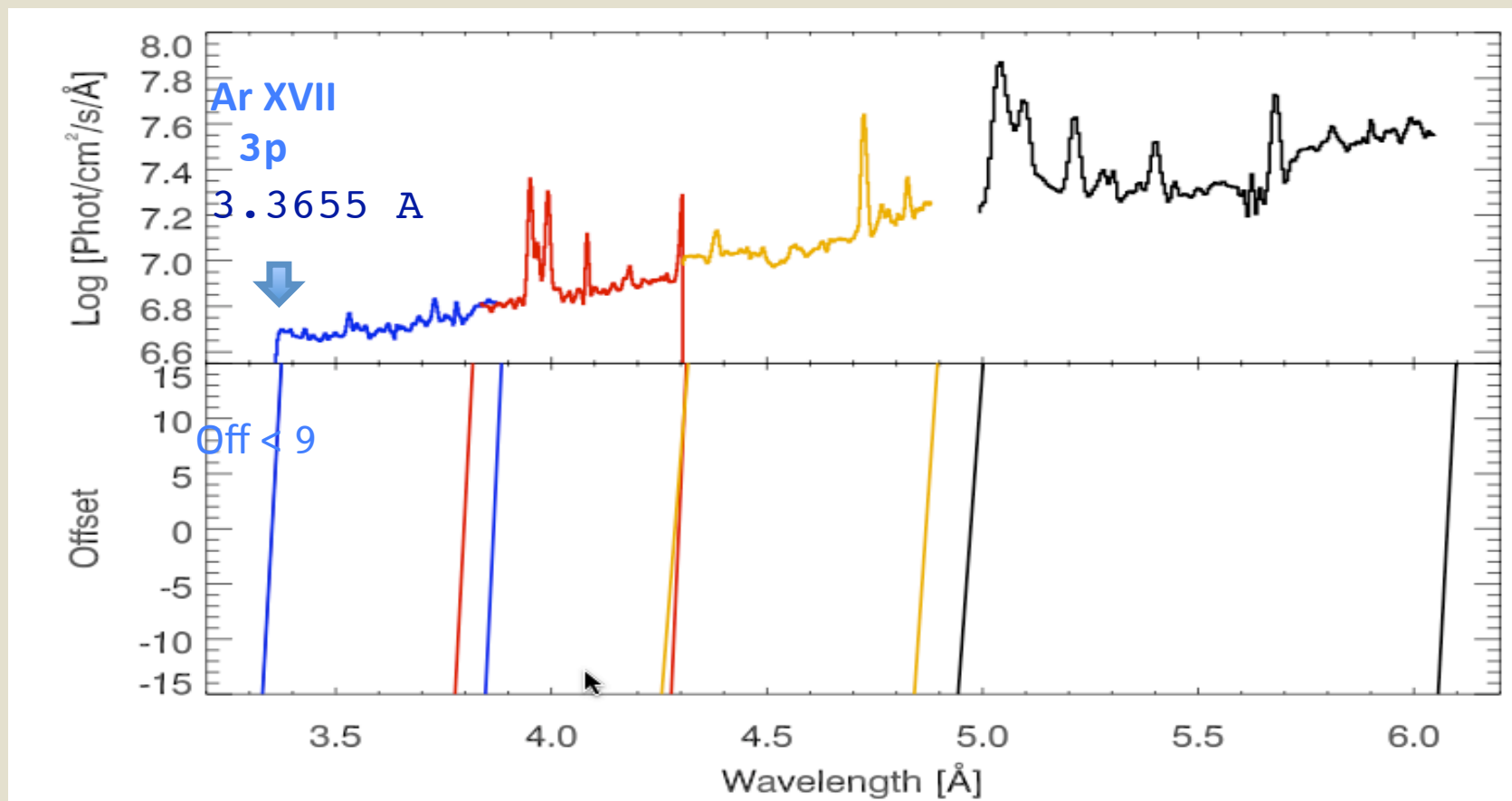
#2

#3

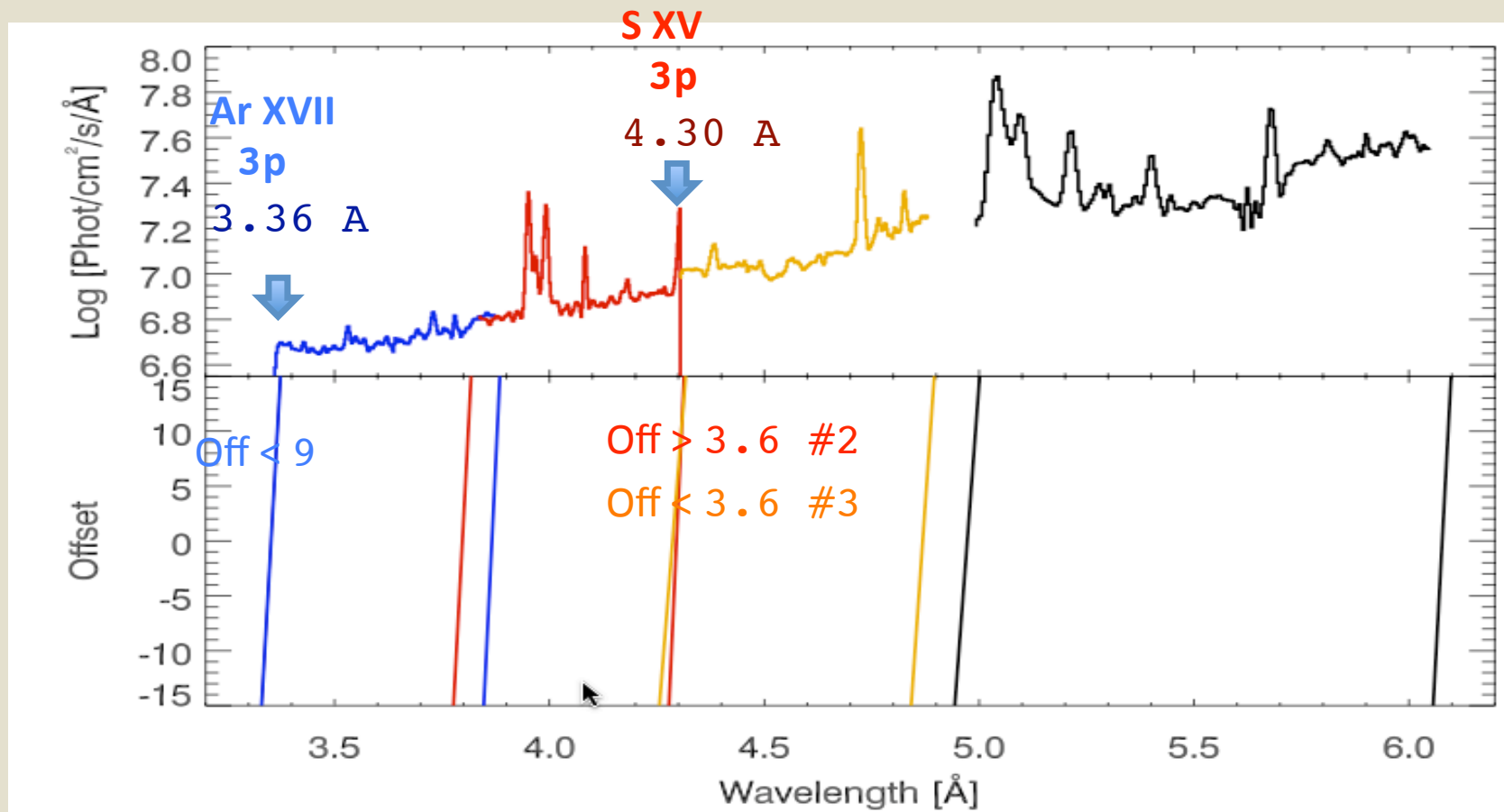
#4



Offset



Offset



Reduction of RESIK spectra

- ❖ Orbital background
- ❖ Position of the flare relative to dispersion axis
- ❖ Silicon fluorescence of Quartz and silicon crystals
- ❖ All other unknown effects (auroal emission) – interactively
- ❖ Fluorescence from crystal support (following Elena and Alena methodology)

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fits data



website

Plans for the future

	All events	Observed by RESIK	Reduced
Jan 1, 2003 – Mar 15, 2003	433	Entire : 38 (8%) Phases Rise: 148 (34%) Max: 86 (19%) Decay: 194 (44%)	20 flares & 312 individual quiet intervals

So, we have a lot to do ...

The end