

V&V Reference Report

L2 ASCDS Version : 7.6.8.1

Observation 3729 - L2 Version 001
Chandra X-Ray Center

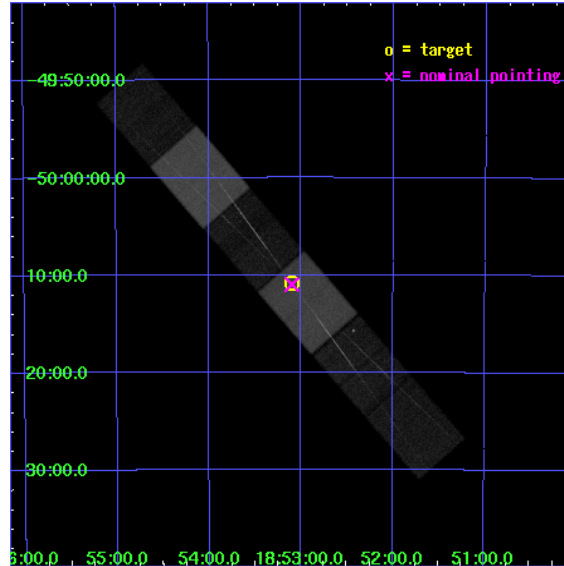
L2 Processing Date : Aug 7 2006

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1 Front

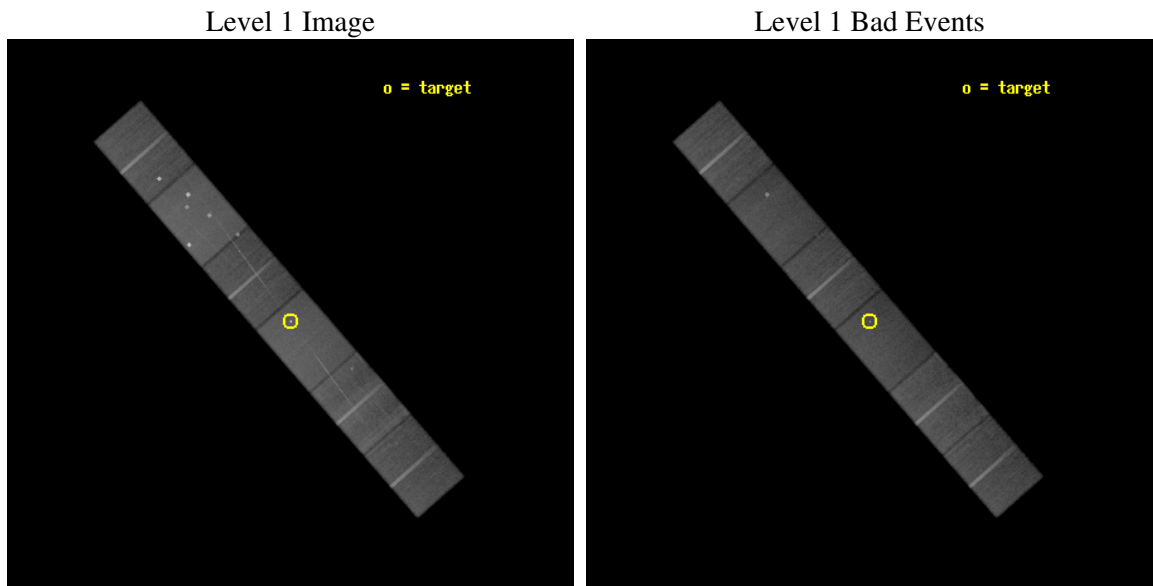
seq_num	200199
obs_id	3729
title	THE CORONAL SPECTRA OF POST-T TAURI STARS IN THE NEARBY TUCANAE ASSOCIATION
observer	Dr. Salvatore Sciortino
object	HIP 92680
dtcycle	0
cycle	P
ra_targ	283.274583
dec_targ	-50.180528
ra_nom	283.2750027859
dec_nom	-50.182751654983
roll_nom	48.855832266575
revision	2
ontime	75109.15885666
livetime	73896.08079434
ontime4	75112.5
ontime5	75109.959009767
ontime6	75107.418009579
ontime7	75109.15885666
ontime8	75109.958999842
ontime9	75109.959009767
l2events	566773



2 OBI

2.1 OBI

2.1.1 Images

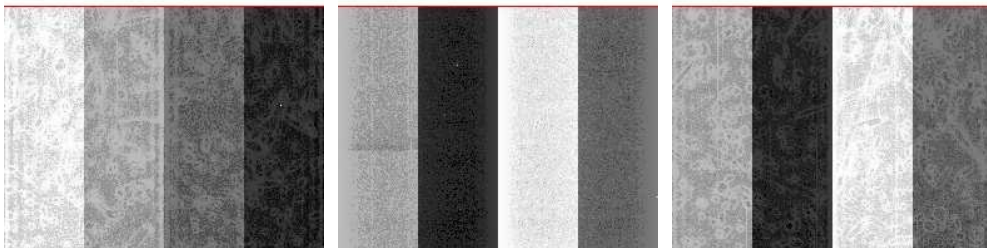


2.1.2 Bias

Chip 4

Chip 5

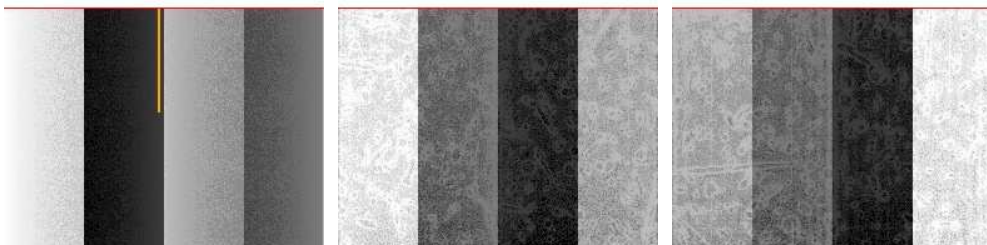
Chip 6



Chip 7

Chip 8

Chip 9



2.1.3 Parameters

obi_num	2
ascdsver	7.6.8.1
caldsver	3.2.2
date	2006-08-06T23:45:47
revision	2

sched_exp_time	75000.000000
ontime	75114.964698285
ontime4	75120.046678811
ontime5	75120.046708643
ontime6	75117.505708456
ontime7	75114.964698285
ontime8	75120.046698719
ontime9	75120.046708643
l1events	2570857

2.1.4 Events

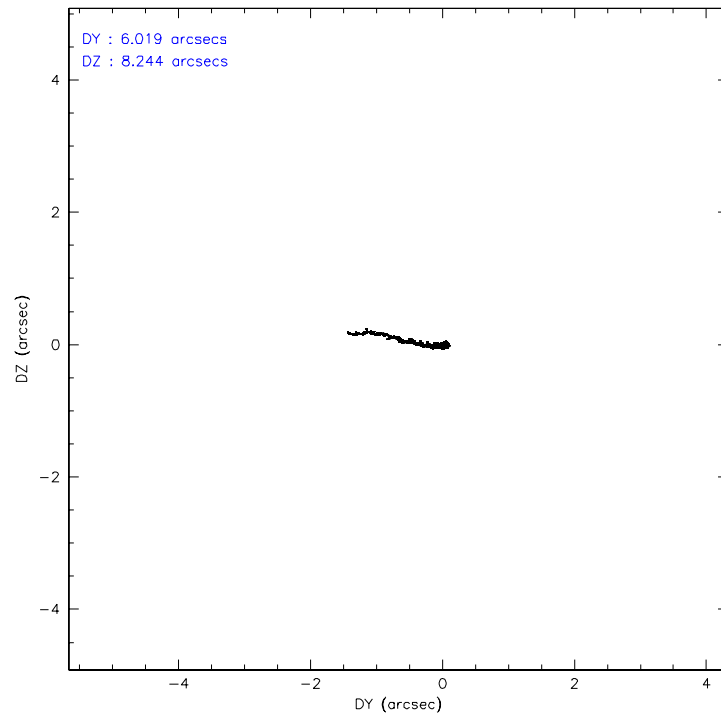
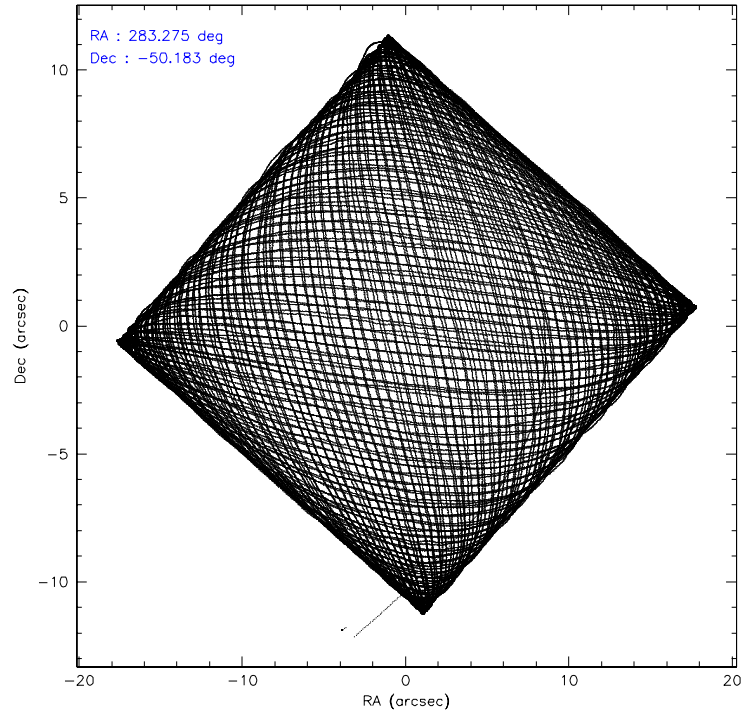
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	398255	537305	361895	475629	449754	348019
rejected events	341836	284368	313464	280426	351762	304452
rejected %	85%	52%	86%	58%	78%	87%

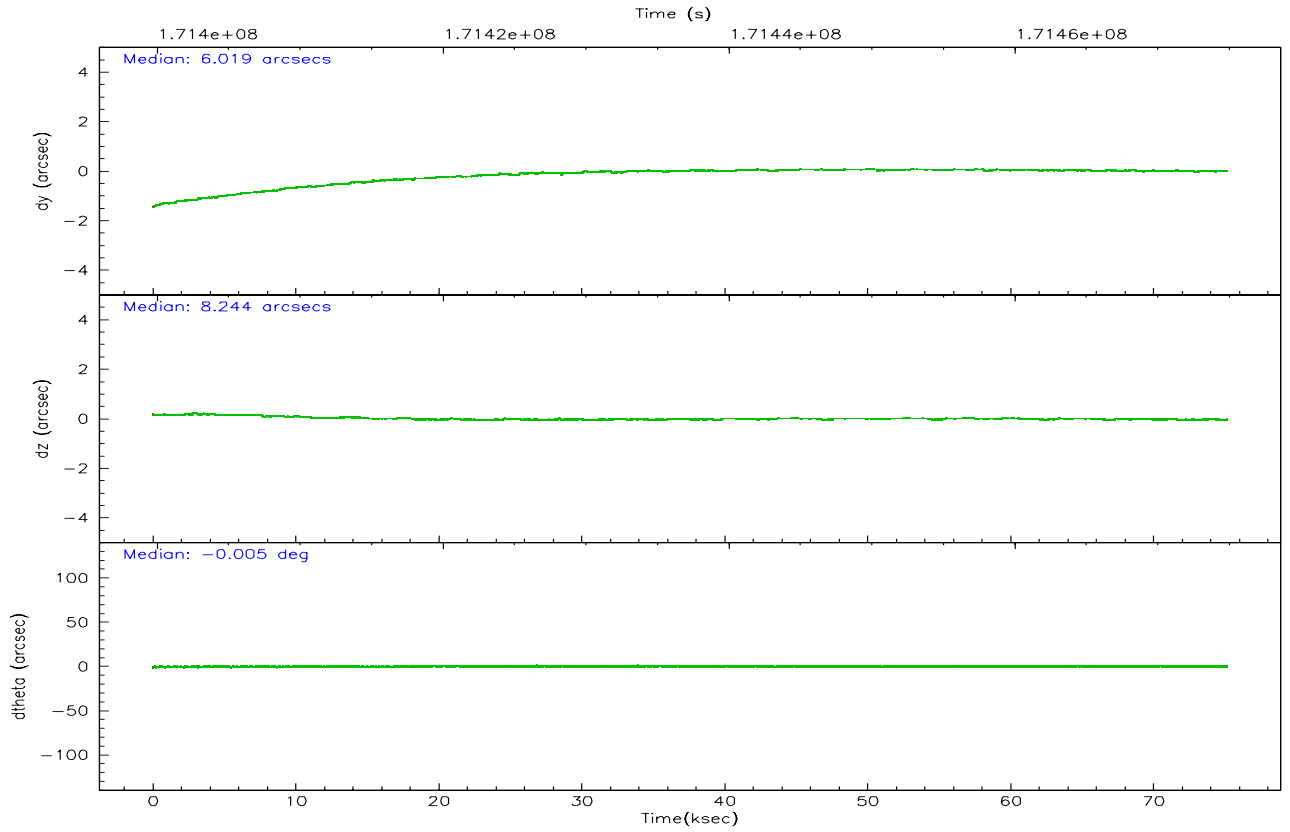
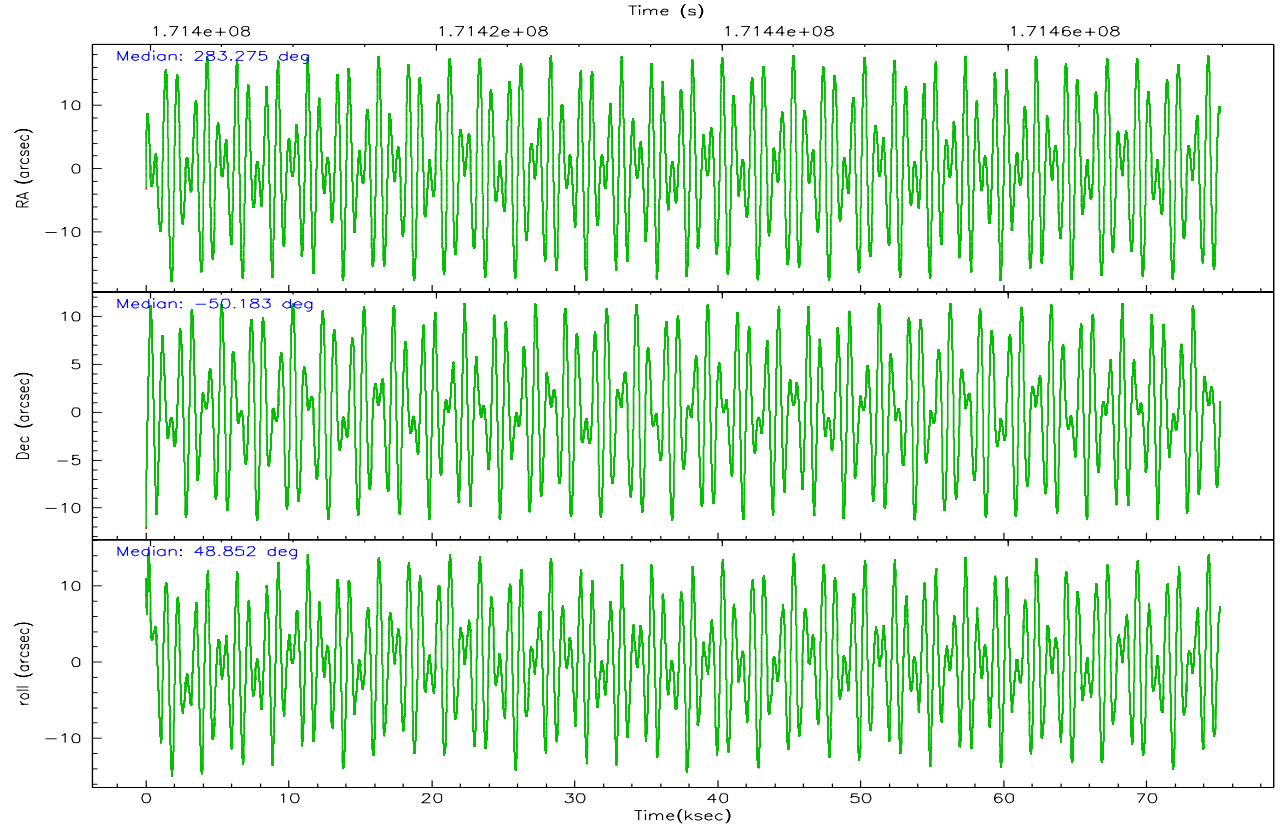
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	31084	38819	22265	14744	33811	18606
	7%	7%	6%	3%	7%	5%
grade 1 events	266	794	140	409	262	159
	0%	0%	0%	0%	0%	0%
grade 2 events	9277	74780	8823	47427	20482	8193
	2%	13%	2%	9%	4%	2%
grade 3 events	4678	6715	4609	12773	10041	4514
	1%	1%	1%	2%	2%	1%
grade 4 events	4423	6050	4483	12244	9488	4235
	1%	1%	1%	2%	2%	1%
grade 5 events	14583	28556	15492	33906	20139	16498
	3%	5%	4%	7%	4%	4%
grade 6 events	6966	126607	8256	108039	24180	8025
	1%	23%	2%	22%	5%	2%
grade 7 events	326978	254984	297827	246087	331351	287789
	82%	47%	82%	51%	73%	82%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	HETG	HETG	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	CUSTOM	CUSTOM
Pointing RA	283.267353	283.2750027858991	Subarray start row	1	1
Pointing Dec	-50.209519	-50.18275165498272	Subarray row count	774	774
Pointing Roll	48.693325	48.85583226657512	Alternating exposures requested	N	N
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Primary exposure time	0.000000	2.5
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-187.132523	-187.1228876879999			
SIM translation stage offset (mm)	-3	-3.009634895007935			
Observation start time	171399851.184000	171398781.81662			
Observation start date	2003-06-07T19:03:07	2003-06-07T18:46:21			
Observation end time	171474851.184000	171475827.99489			
Observation end date	2003-06-08T15:53:07	2003-06-08T16:10:27			
Read mode	TIMED	TIMED			

2.3 Aspect



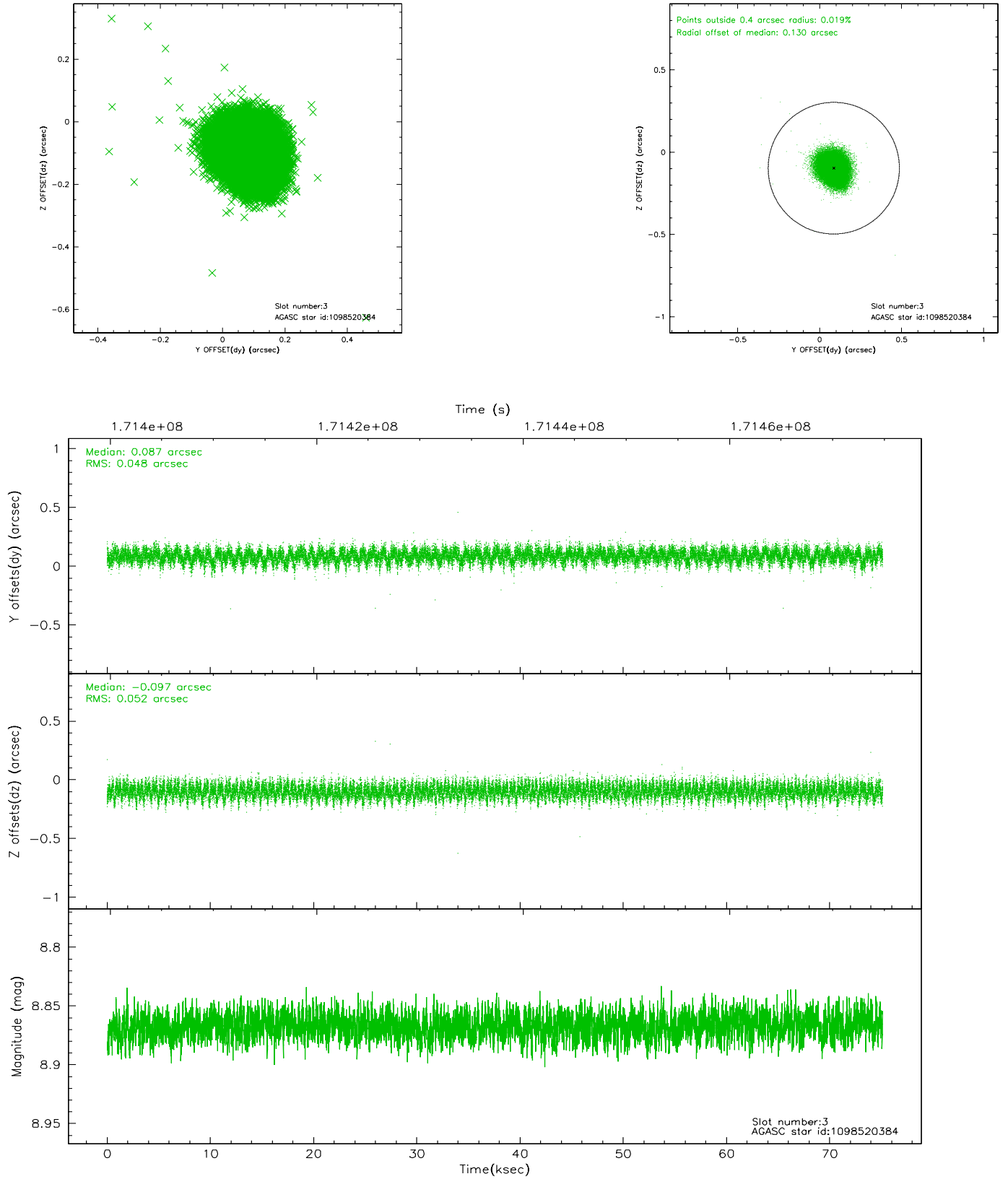


Slot Statistics

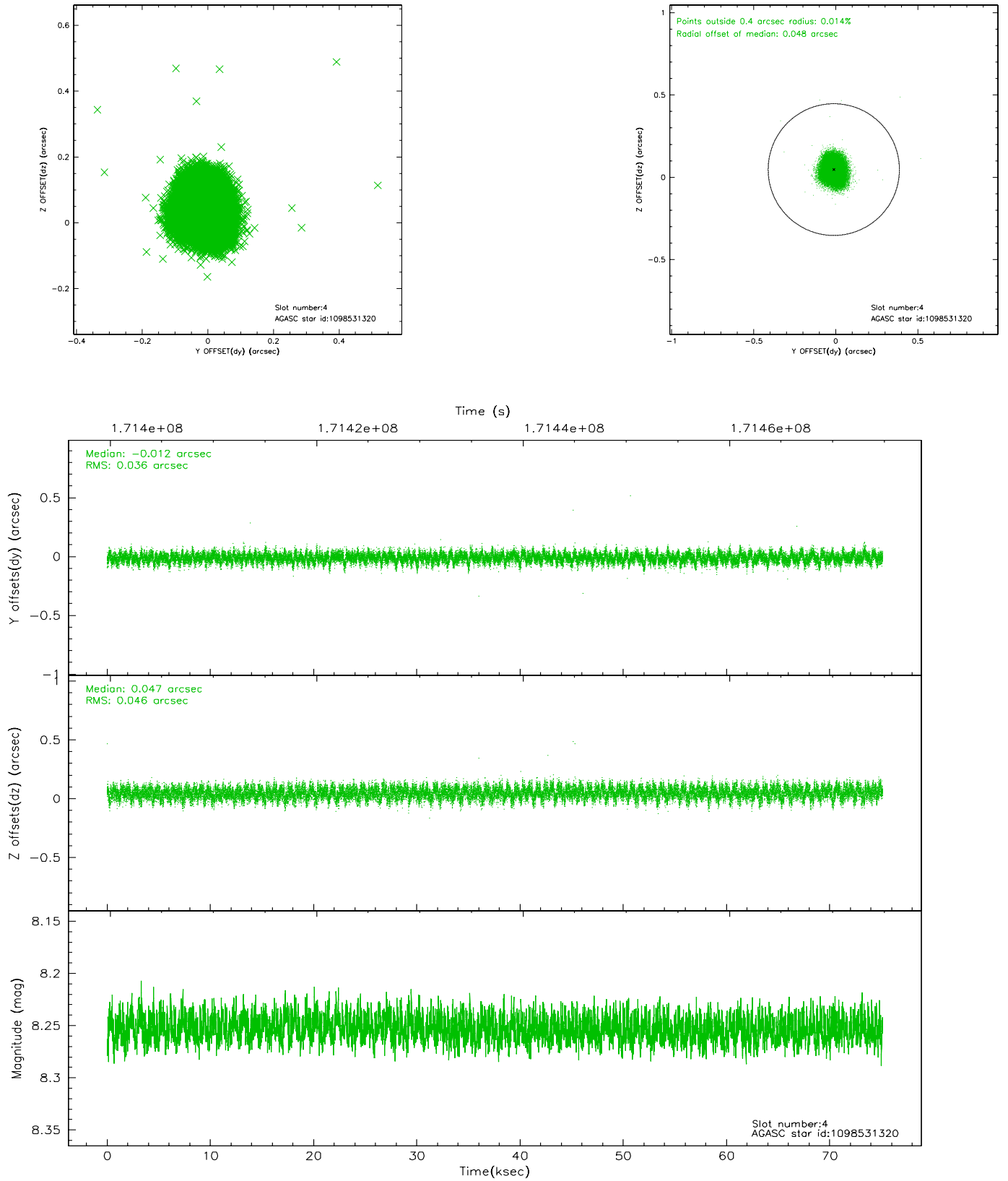
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	18327	-0.070	-0.007	0.008	0.014	0.000000	0.000000	-758.39	-1791.61
1	FID	ACIS-S-4	7.20	18326	0.042	0.035	0.008	0.026	0.000000	0.000000	2155.01	117.00
2	FID	ACIS-S-5	7.23	18327	-0.003	-0.020	0.010	0.024	0.000000	0.000000	-1811.27	110.50
3	GUIDE	1098520384	8.87	36647	0.087	-0.097	0.076	0.121	282.761997	-50.164221	-649.46	980.47
4	GUIDE	1098531320	8.25	36650	-0.012	0.047	0.062	0.100	283.682318	-50.168825	739.89	-623.65
5	GUIDE	1099055344	9.14	36638	0.083	0.104	0.076	0.122	283.149153	-50.680029	-1450.11	-915.57
6	GUIDE	1098529320	9.38	36638	-0.090	0.011	0.092	0.151	283.333928	-49.421470	2234.03	1755.84
7	GUIDE	1098529808	8.25	36627	-0.065	-0.062	0.060	0.097	283.832501	-50.062455	1256.41	-634.69

2.4 Star Slots

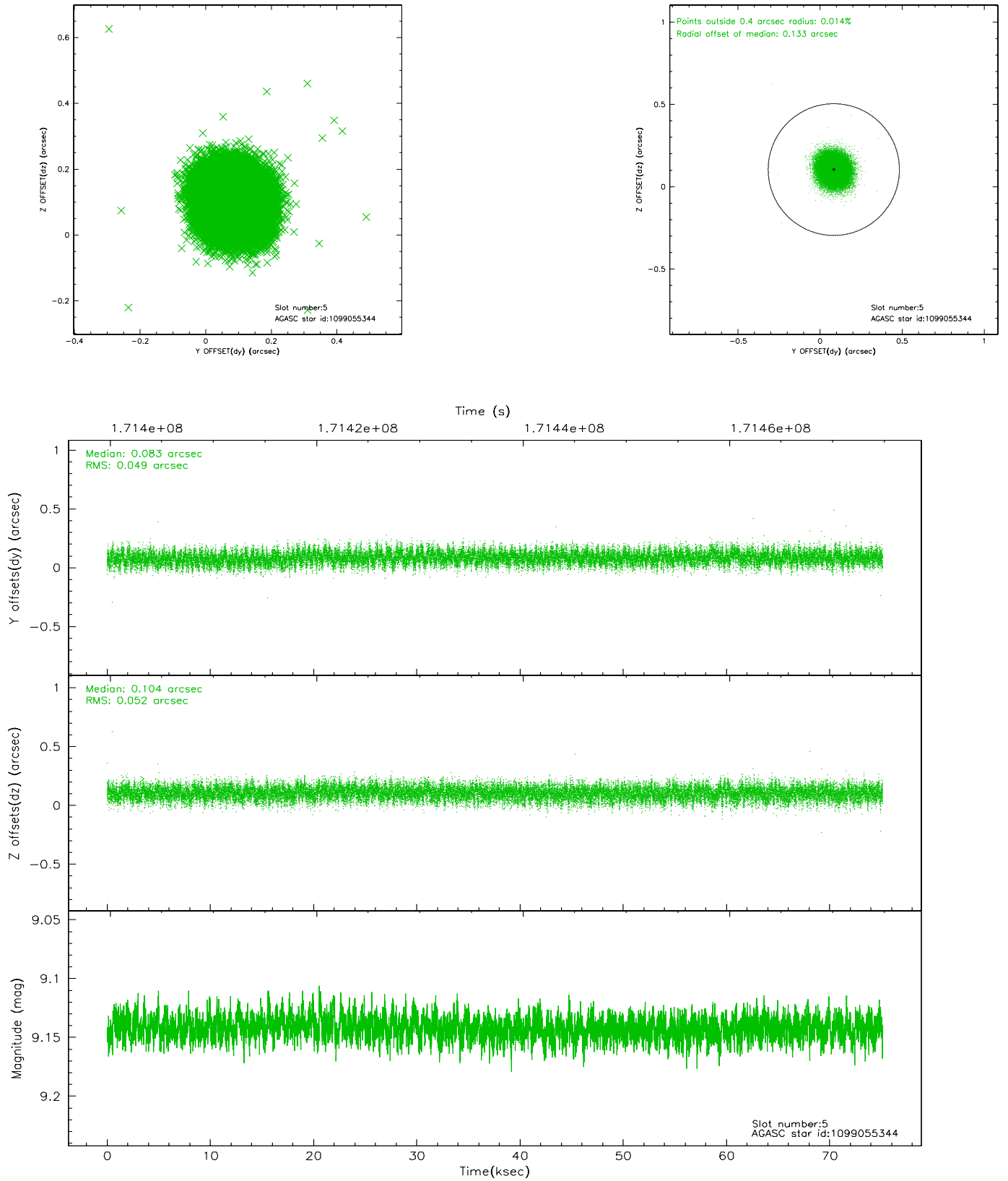
2.4.1 Slot 3



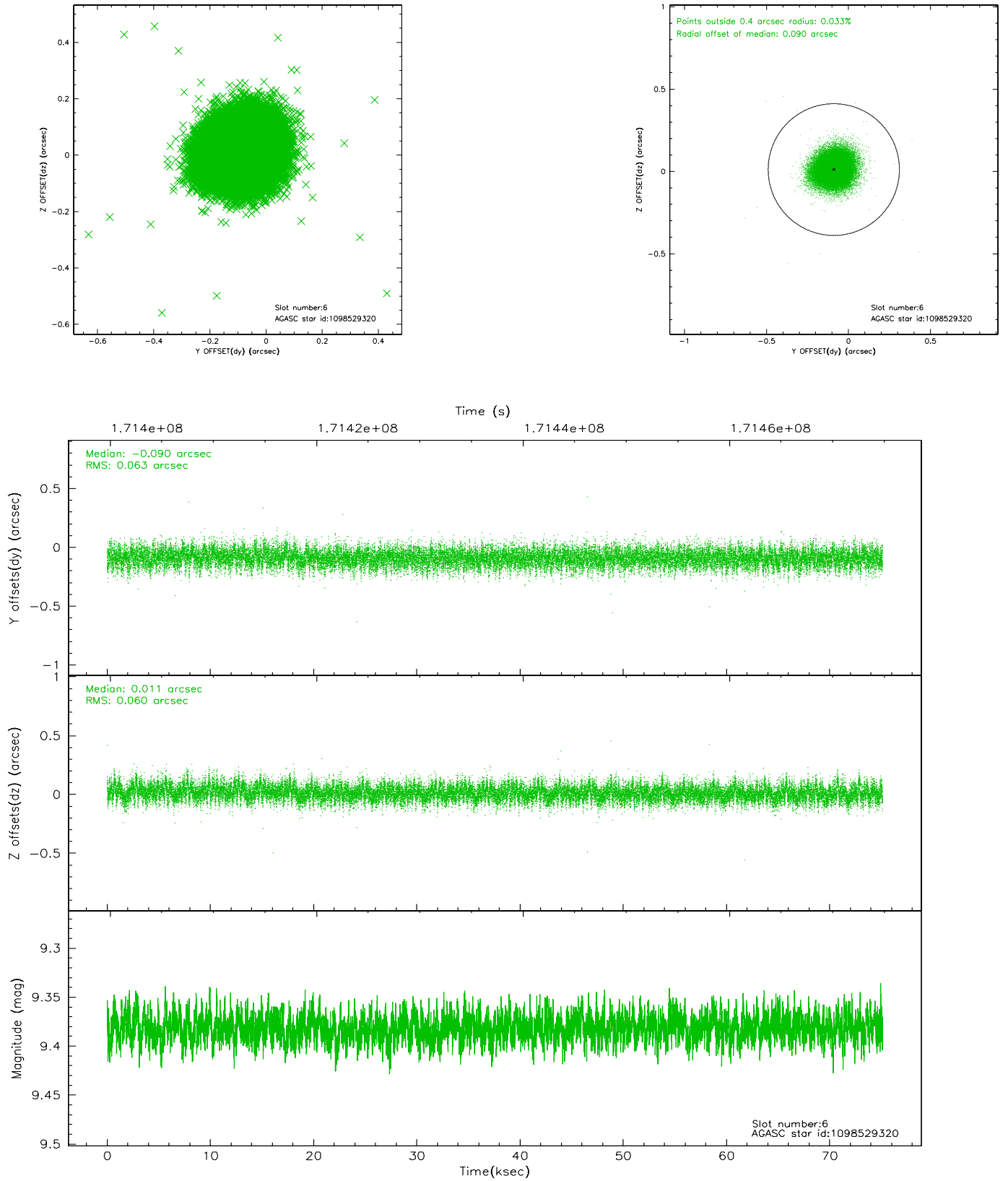
2.4.2 Slot 4



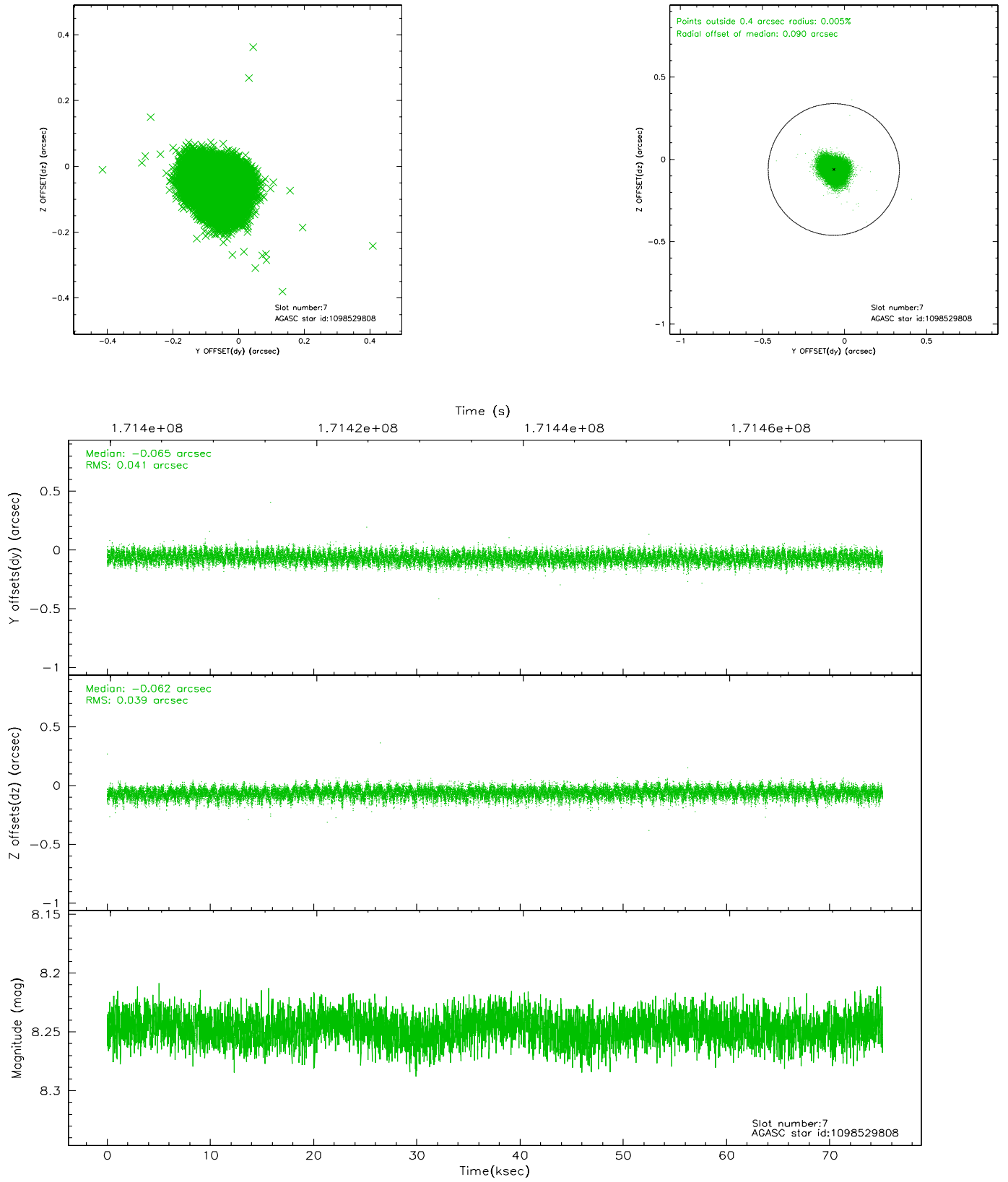
2.4.3 Slot 5



2.4.4 Slot 6

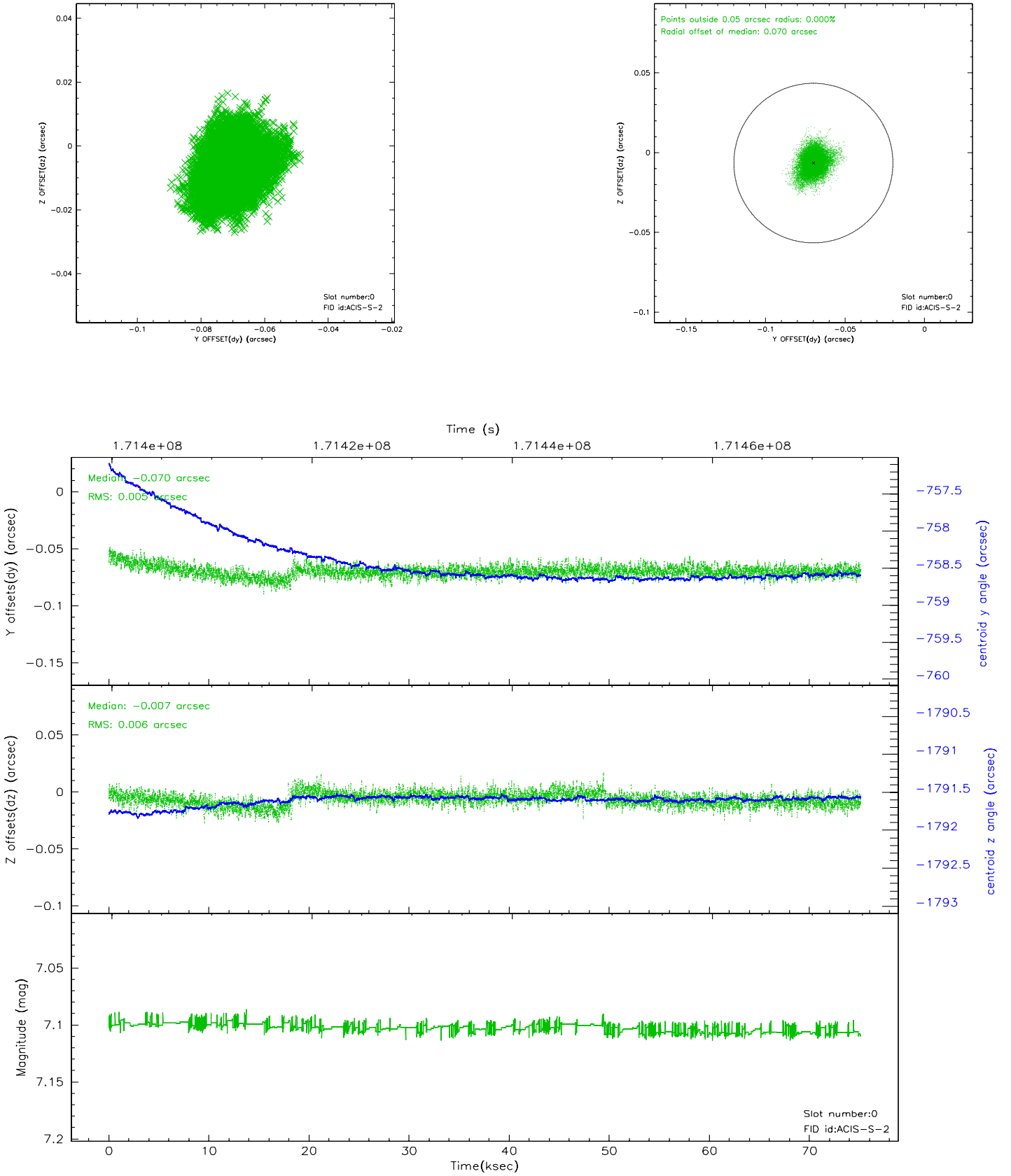


2.4.5 Slot 7

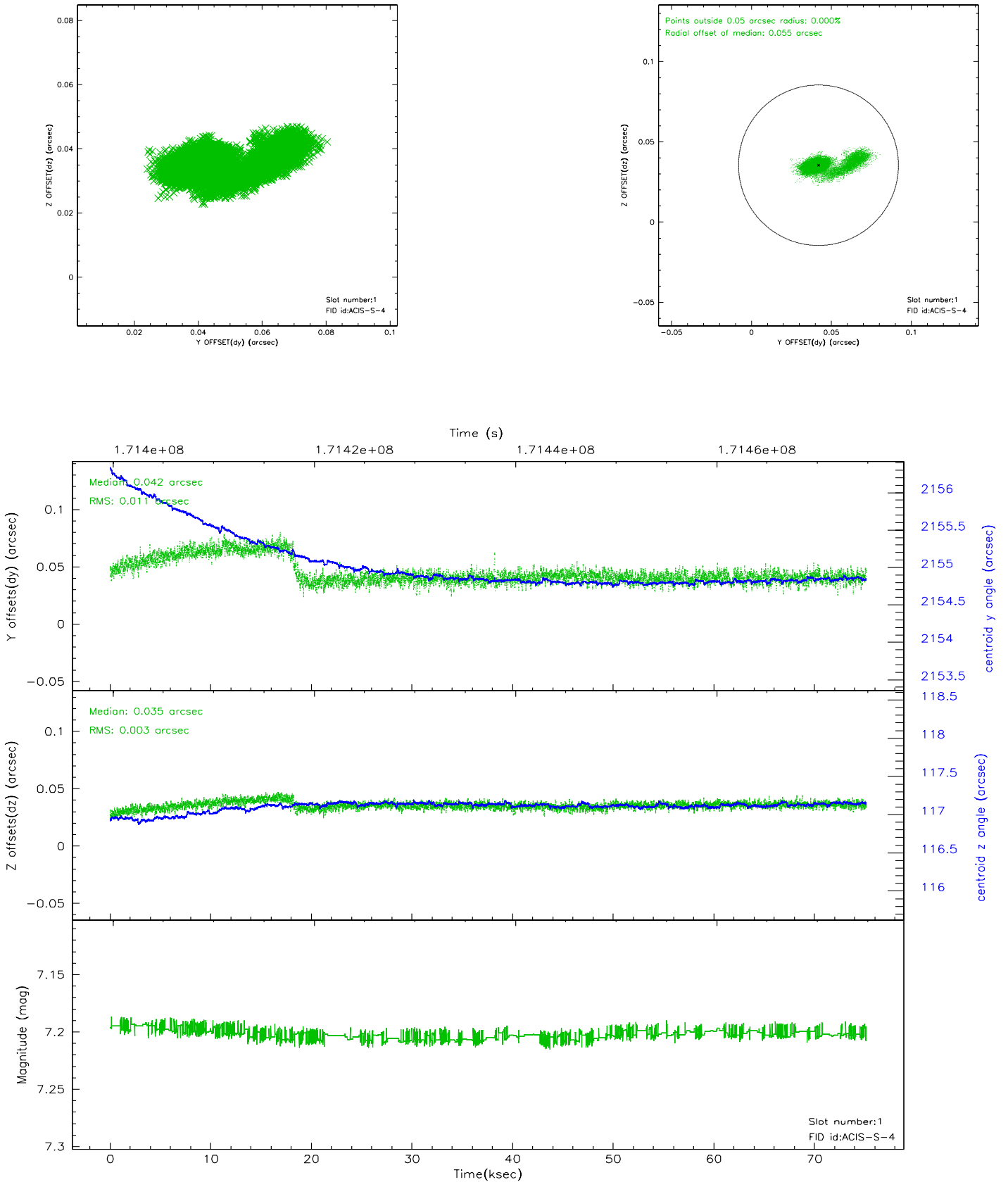


2.5 FID Slots

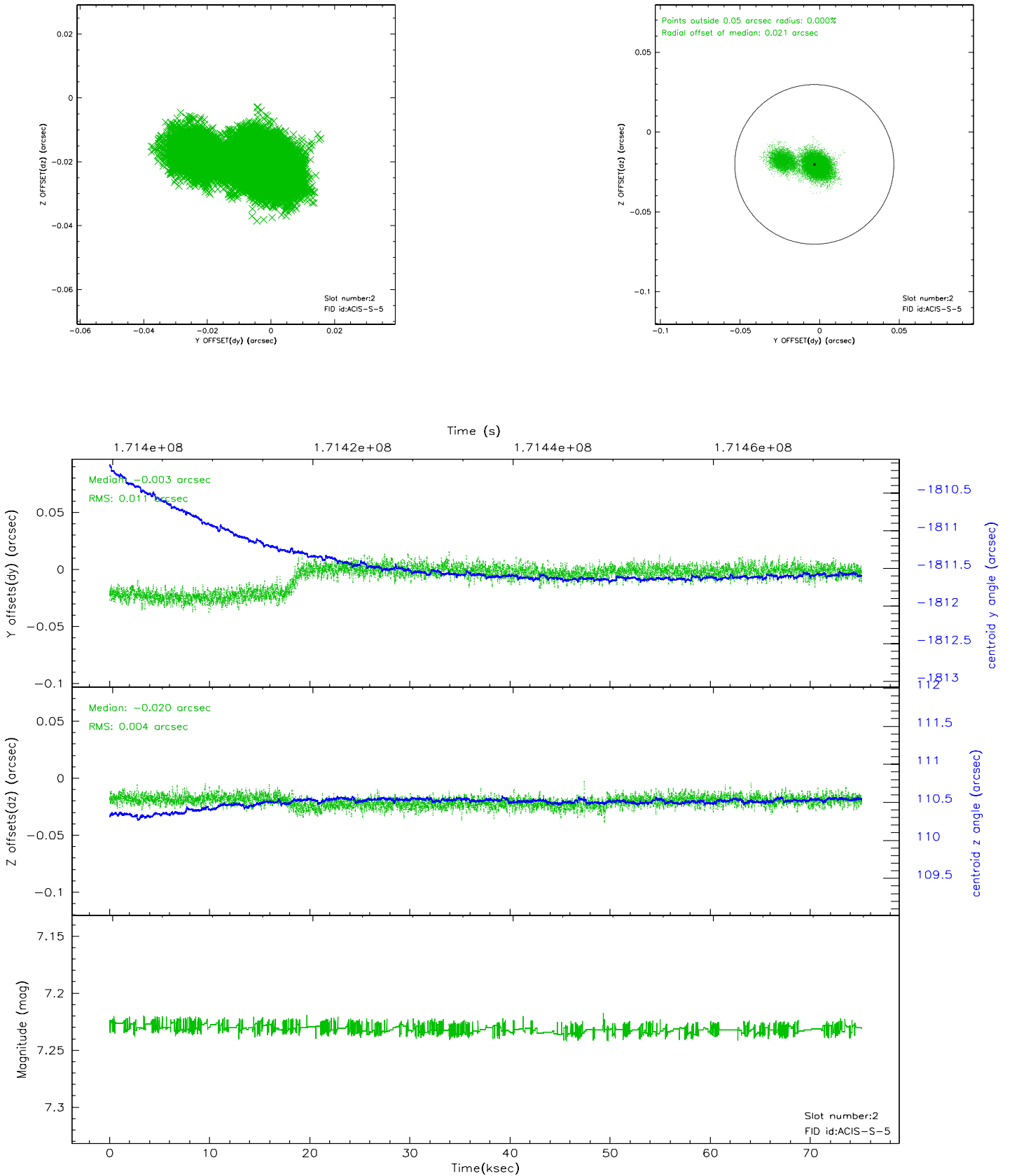
2.5.1 Slot 0



2.5.2 Slot 1

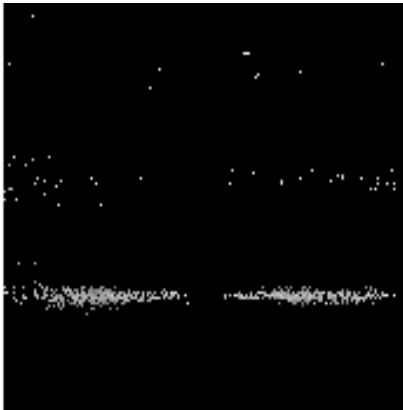


2.5.3 Slot 2

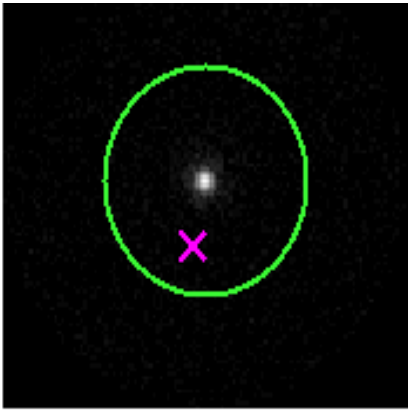


3 Gratings

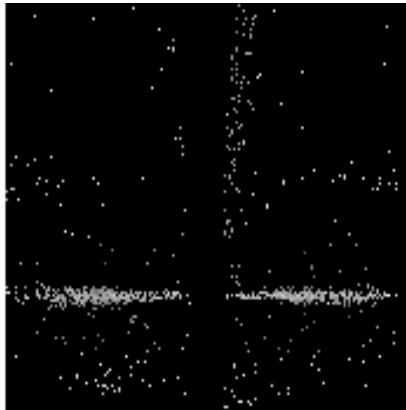
3.1 HEG Arm



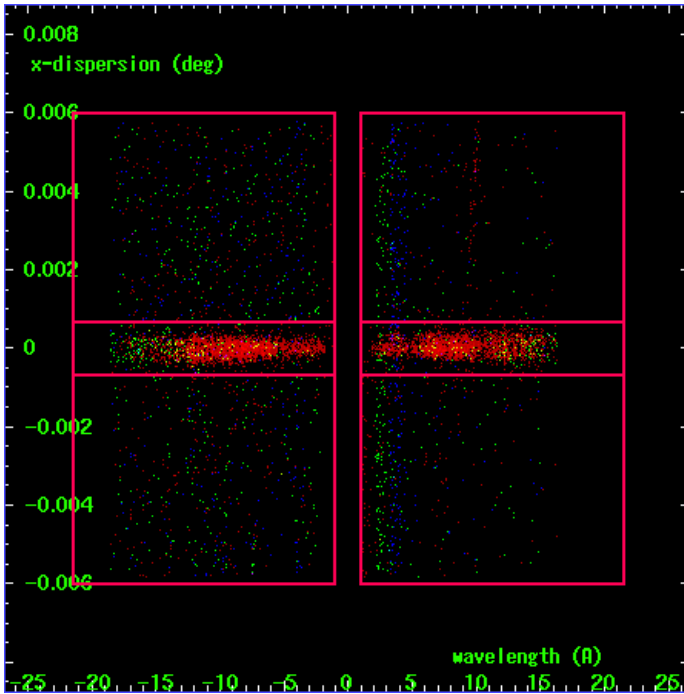
HEG Order Sort 123



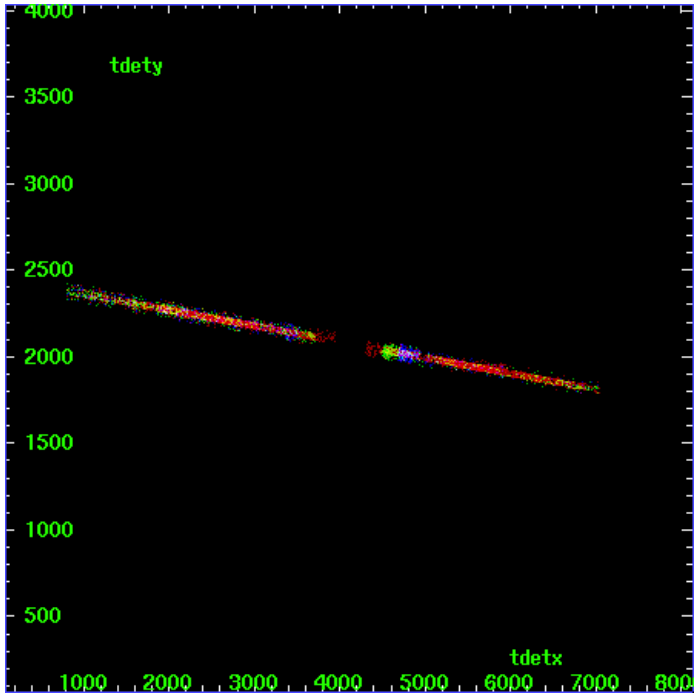
HEG Zero Order



HEG Order Sort ALL

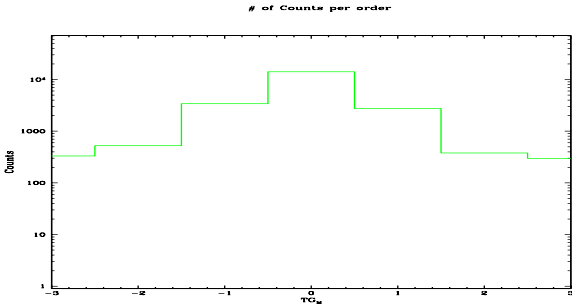


Spot Image HEG

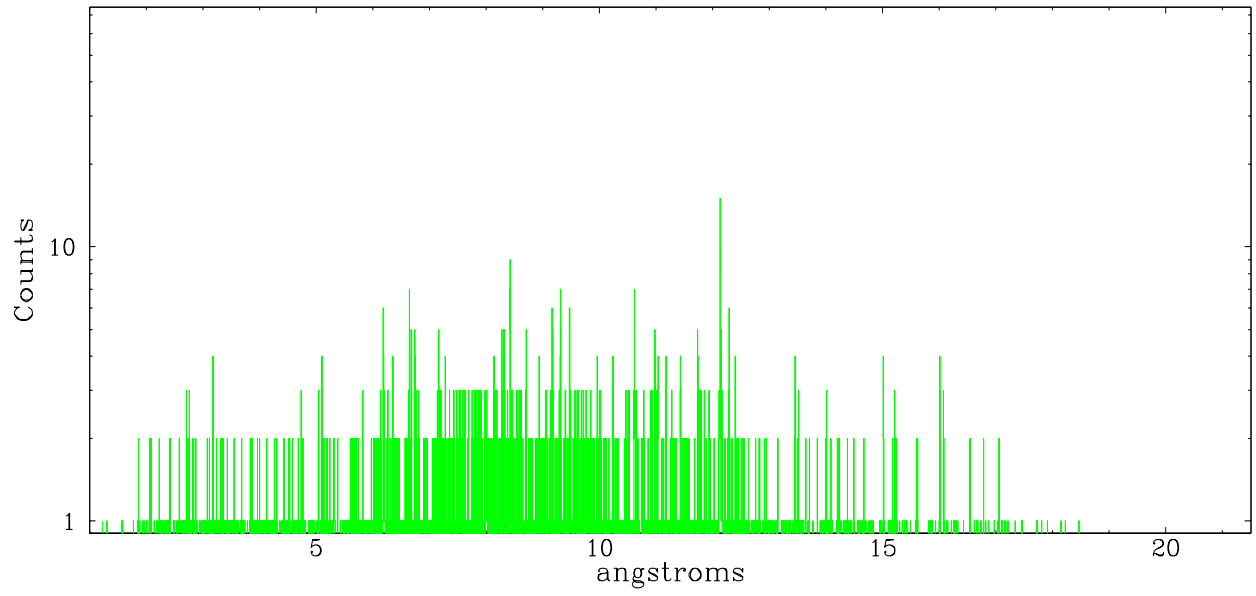


Full Detector HEG

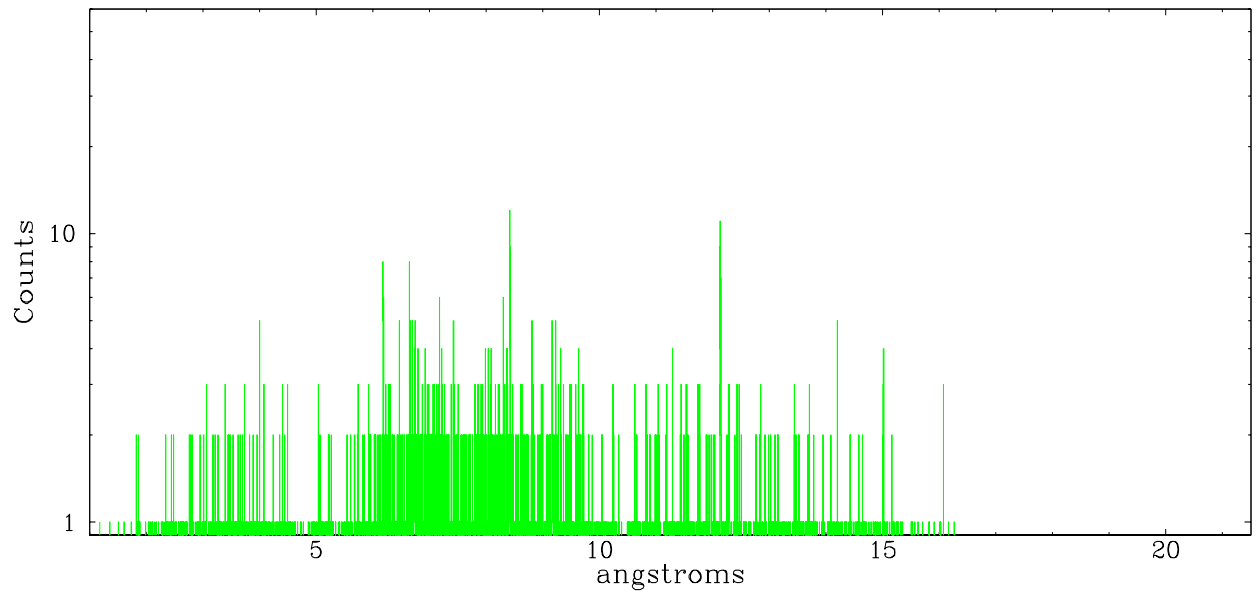
	order -3	order -2	order -1	order 0	order 1	order 2	order 3
Events	333	523	3400	14122	2739	380	299



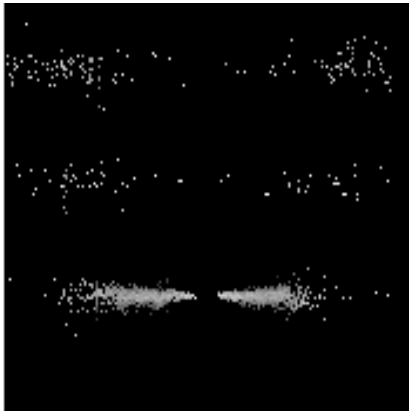
heg order -1



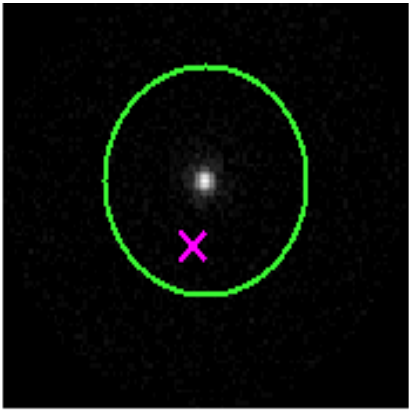
heg order +1



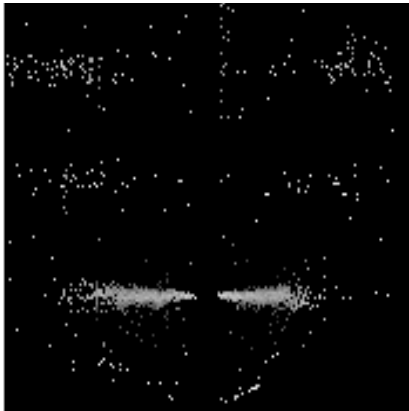
3.2 MEG Arm



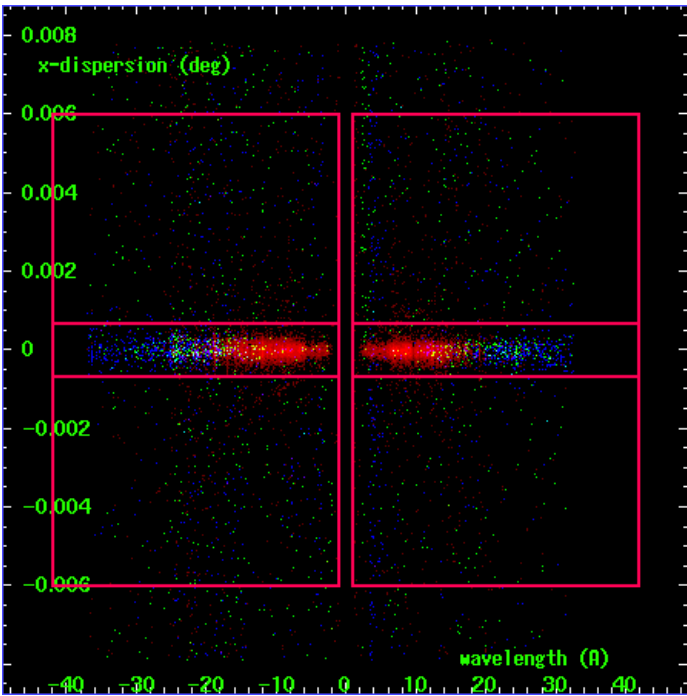
MEG Order Sort 123



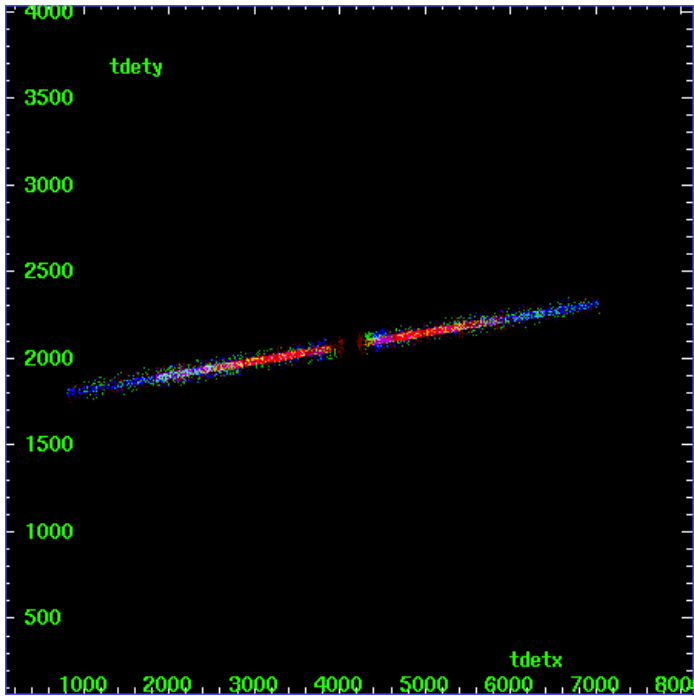
MEG Zero Order



MEG Order Sort ALL

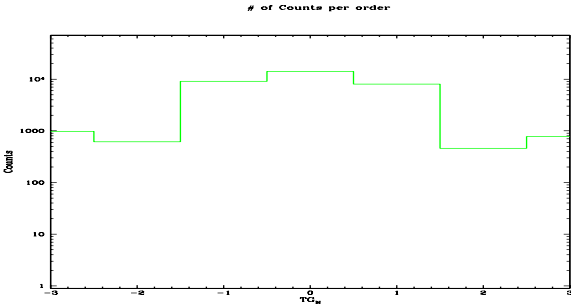


Spot Image MEG

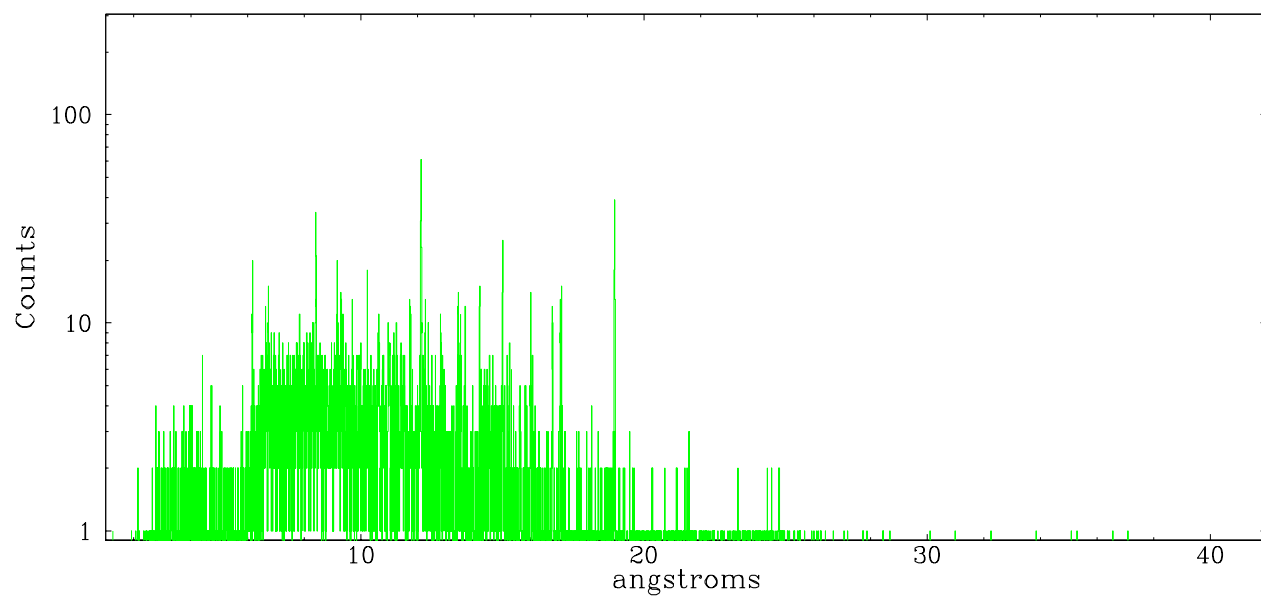


Full Detector MEG

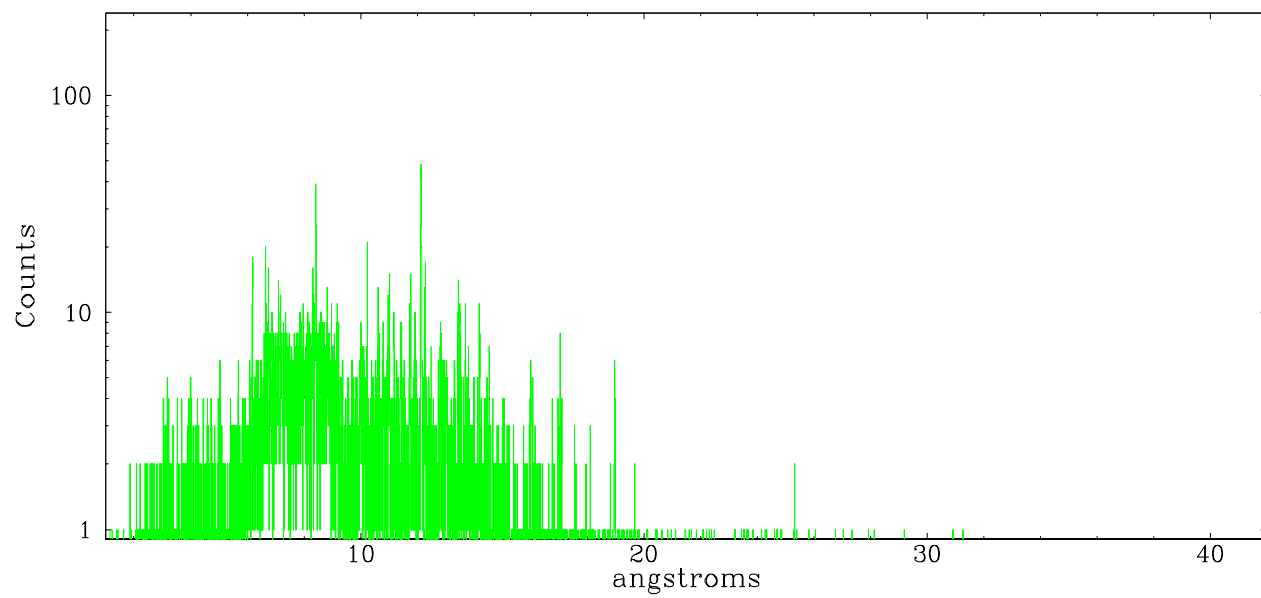
	order -3	order -2	order -1	order 0	order 1	order 2	order 3
Events	978	612	9093	14122	8043	461	774



meg order -1



meg order +1



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.08.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	75.111

A.2 Comments