

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 2744 - L2 Version 001
Chandra X-Ray Center

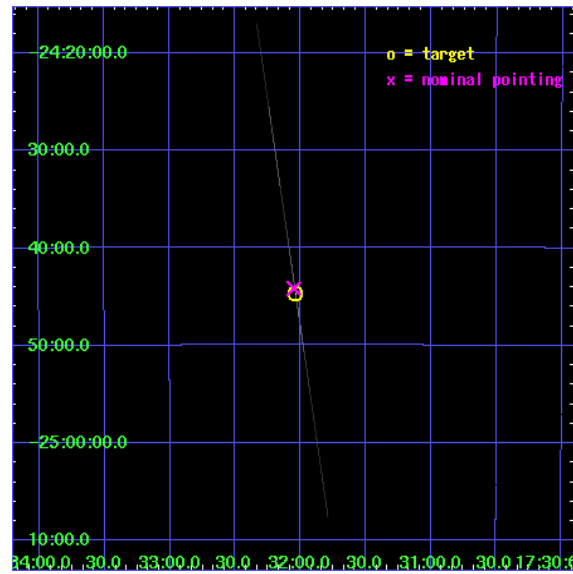
L2 Processing Date : Sep 14 2006

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1 Front

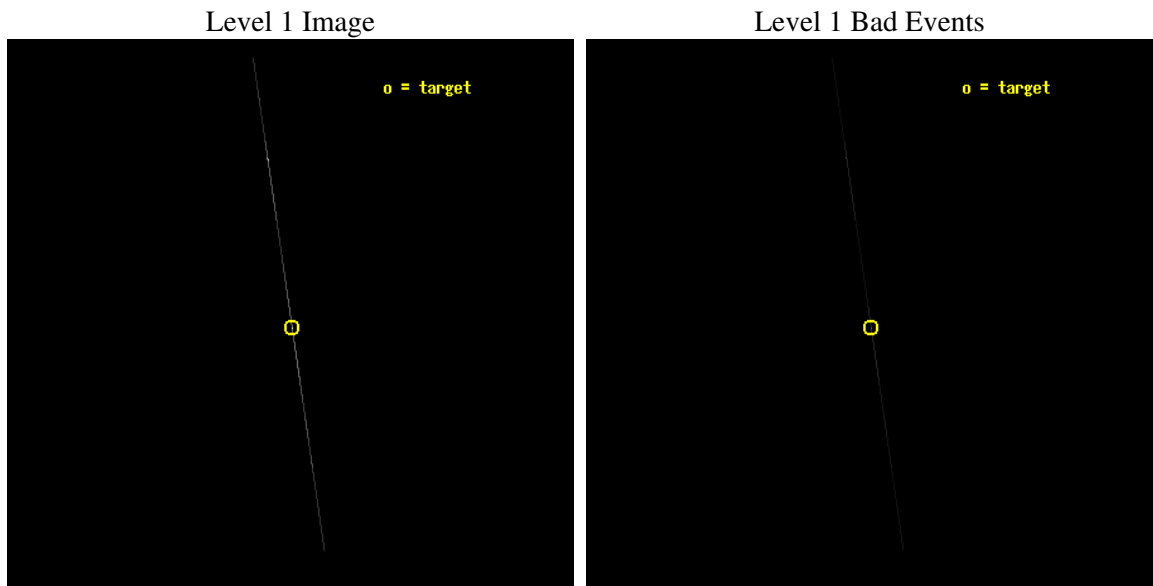
seq_num	400224
obs_id	2744
title	WIND ACCRETION IN LOW-MASS X-RAY BINARIES
observer	Dr. Duncan Galloway
object	GX 1+4
ra_targ	263.009167
dec_targ	-24.745444
ra_nom	263.012567022
dec_nom	-24.736228814227
roll_nom	81.618793193071
revision	3
ontime	20336.0
livetime	20256.5625
ontime4	20336.0
ontime5	20336.0
ontime6	20336.0
ontime7	20336.0
ontime8	20336.0
ontime9	20336.0
l2events	443701



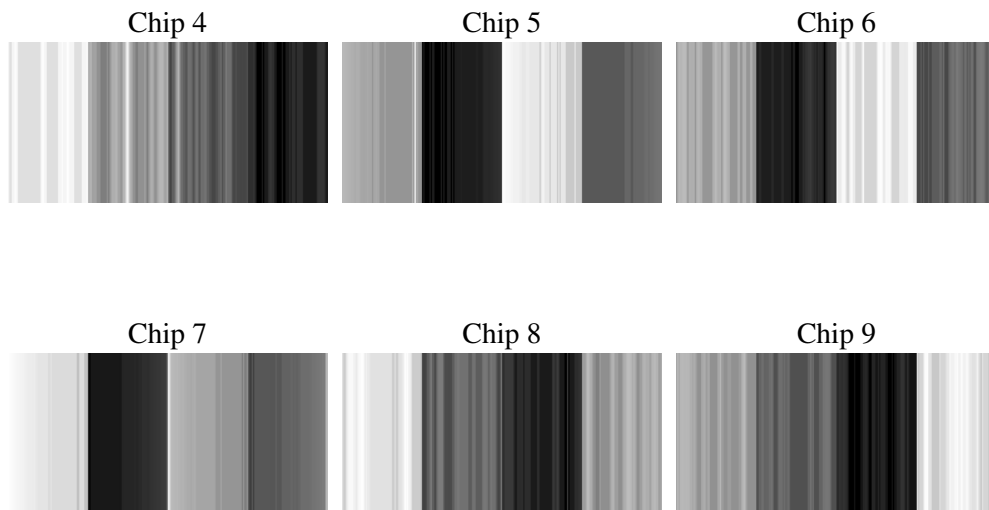
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.9
caldbver	3.2.3
date	2006-09-14T18:47:12
revision	2

sched_exp_time	20000.000000
ontime	21048.662249386
ontime4	21048.663428724
ontime5	21047.203856736
ontime6	21048.662634283
ontime7	21048.662249386
ontime8	21048.661859751
ontime9	21048.661471546
l1events	586921

2.1.4 Events

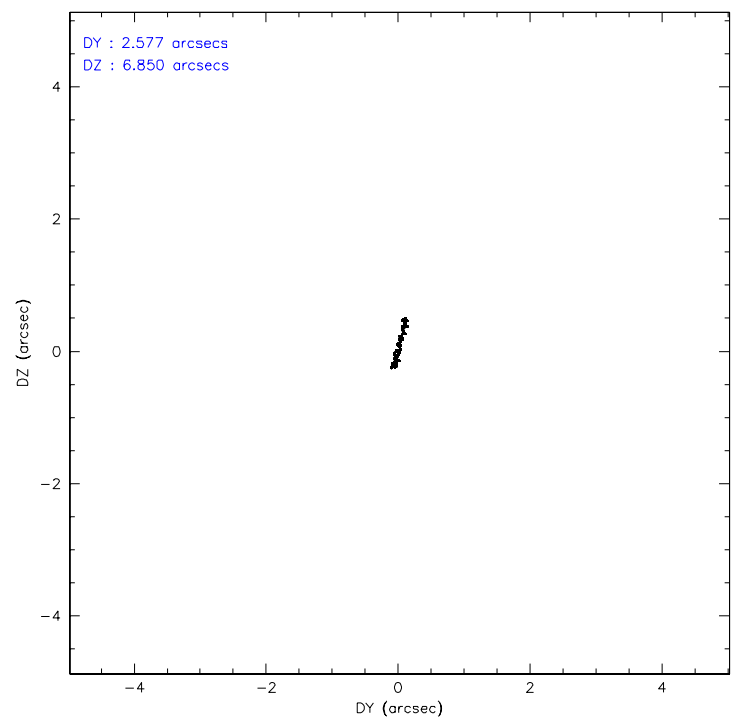
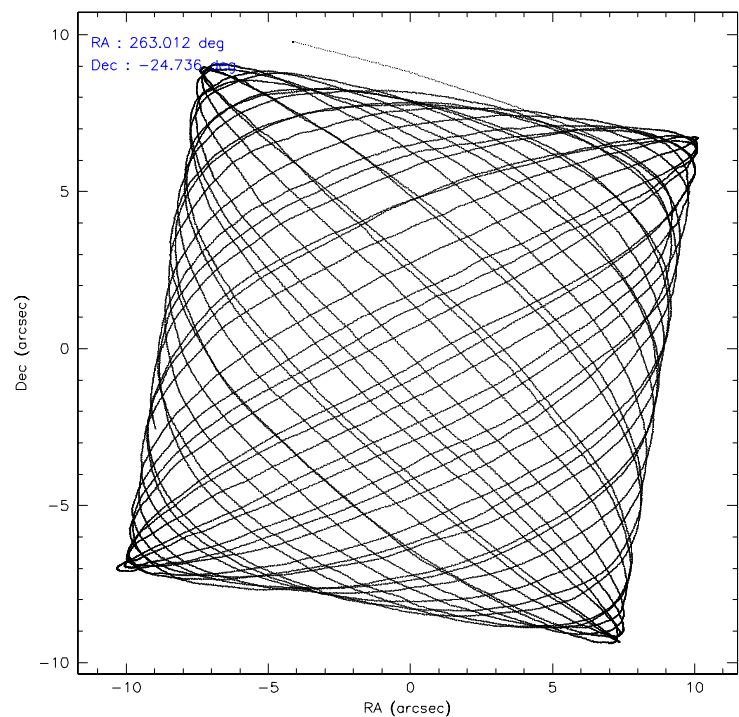
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	27922	135194	59900	270378	63302	30225
rejected events	5089	13703	6207	18644	9043	6408
rejected %	18%	10%	10%	6%	14%	21%

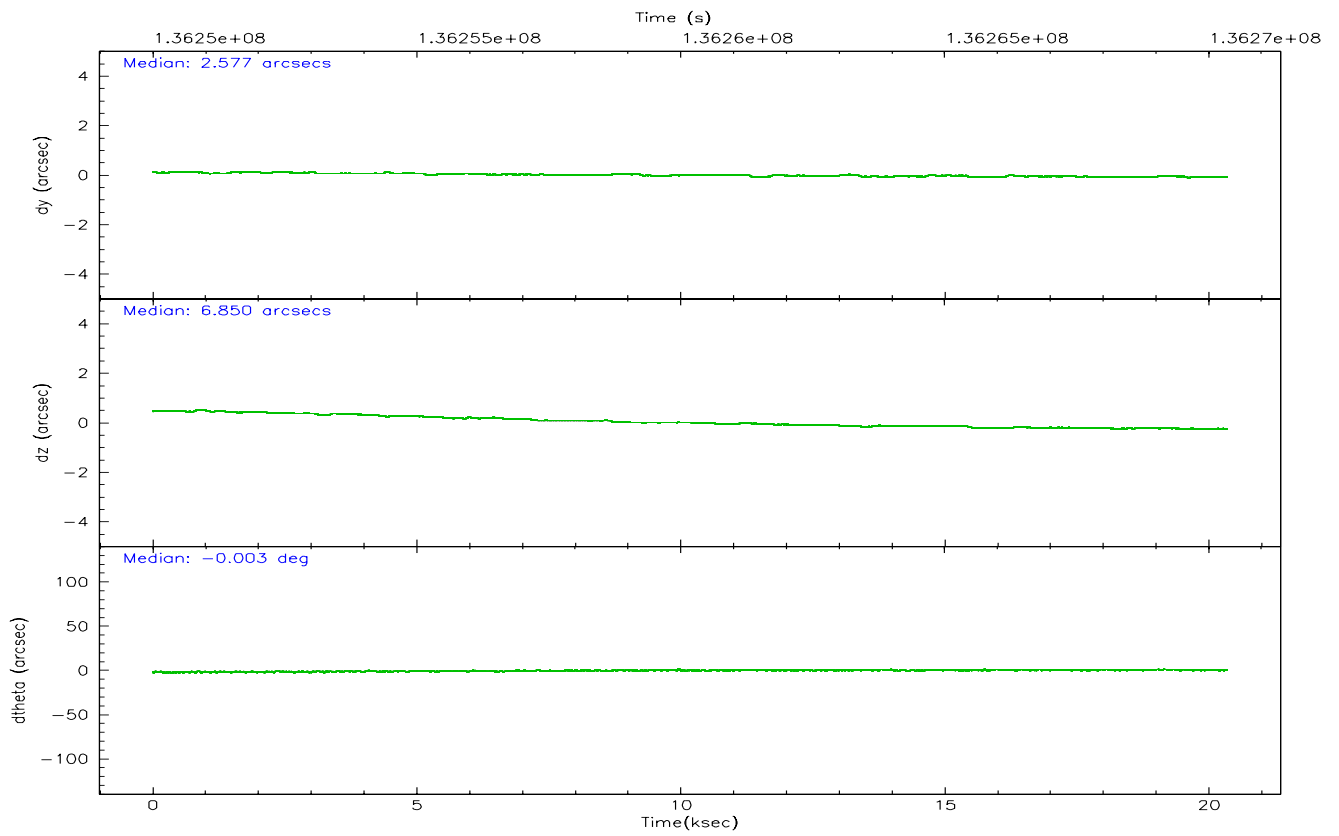
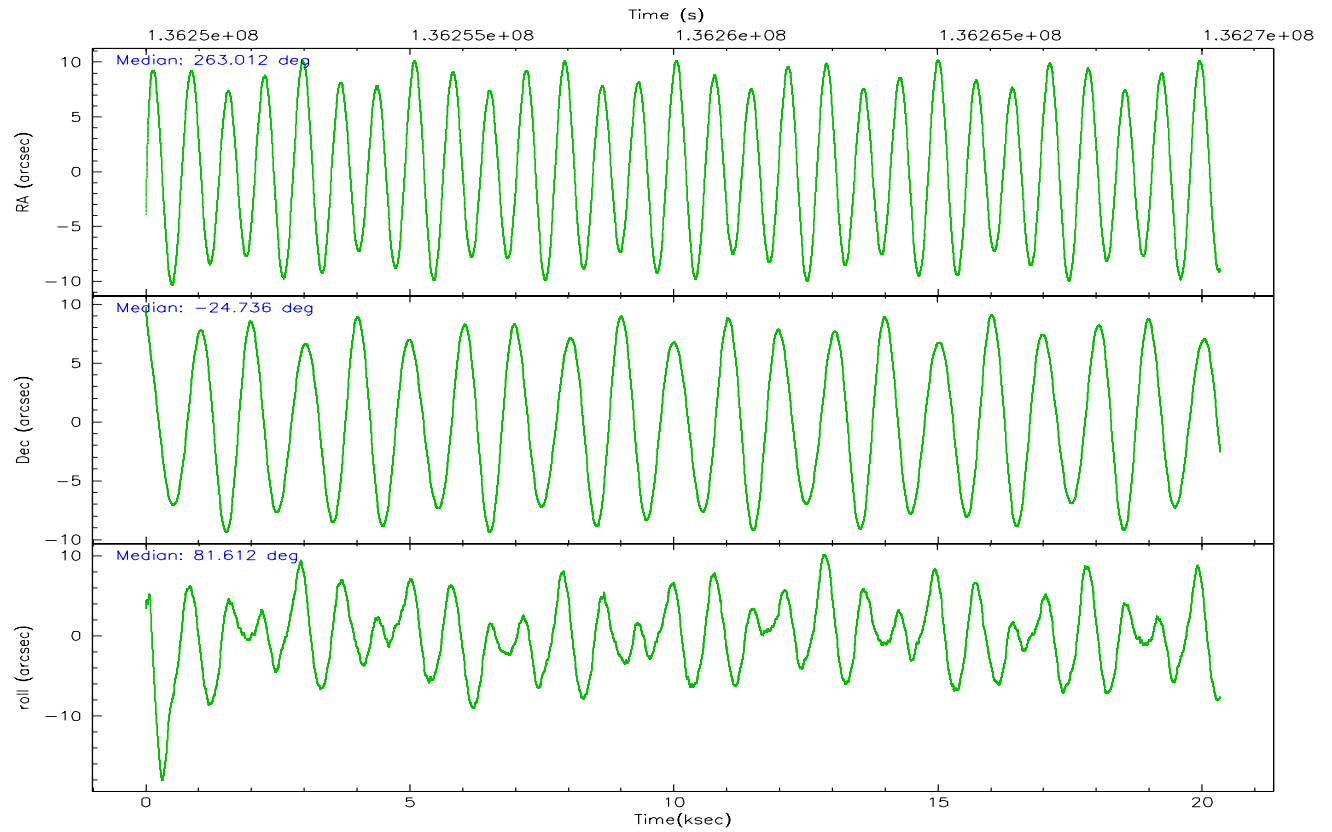
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	2727	35492	5302	36793	13009	3442
	9%	26%	8%	13%	20%	11%
grade 1 events	72	127	94	390	186	72
	0%	0%	0%	0%	0%	0%
grade 2 events	9518	32371	32937	69773	17395	9336
	34%	23%	54%	25%	27%	30%
grade 3 events	3212	1991	3067	19548	6318	2919
	11%	1%	5%	7%	9%	9%
grade 4 events	3240	1961	3140	18253	5952	3028
	11%	1%	5%	6%	9%	10%
grade 5 events	4232	9823	5197	14269	7086	5436
	15%	7%	8%	5%	11%	17%
grade 6 events	4921	53429	10163	111352	13356	5992
	17%	39%	16%	41%	21%	19%
grade 7 events	0	0	0	0	0	0
	0%	0%	0%	0%	0%	0%

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	CC33_FAINT	CC33_FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	263.023970	263.0125670219951	Subarray requested	NONE	NONE
Pointing Dec	-24.761452	-24.73622881422679	Alternating exposures requested	N	N
Pointing Roll	81.466935	81.61879319307081	Primary exposure time	0.000000	0
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-184.272523	-184.2691398207293			
SIM translation stage offset (mm)	-5.86	-5.863382762278519			
Observation start time	136250345.184000	136249298.41692			
Observation start date	2002-04-26T23:18:01	2002-04-26T23:01:38			
Observation end time	136270345.184000	136270978.1928			
Observation end date	2002-04-27T04:51:21	2002-04-27T05:02:58			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



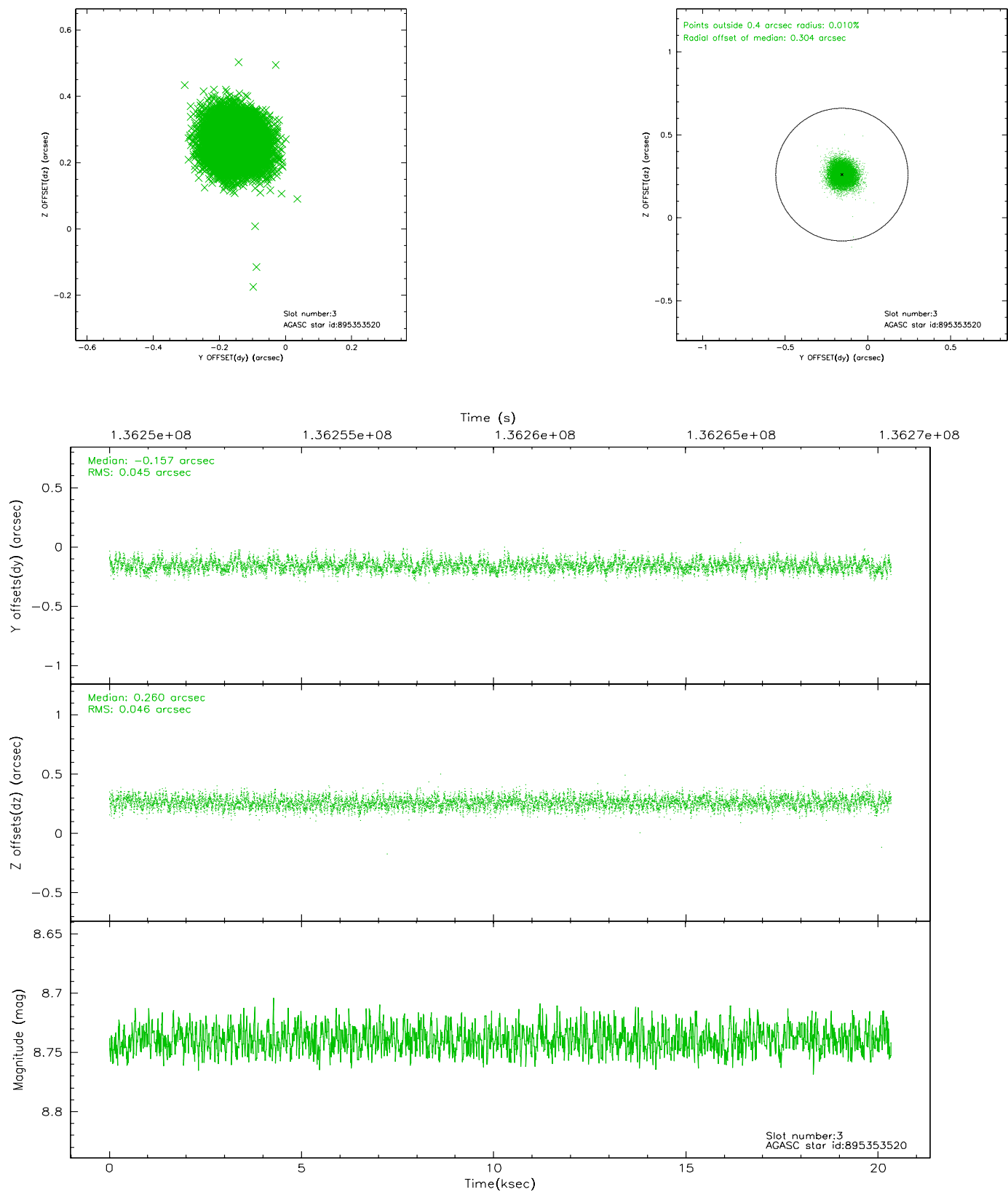


Slot Statistics

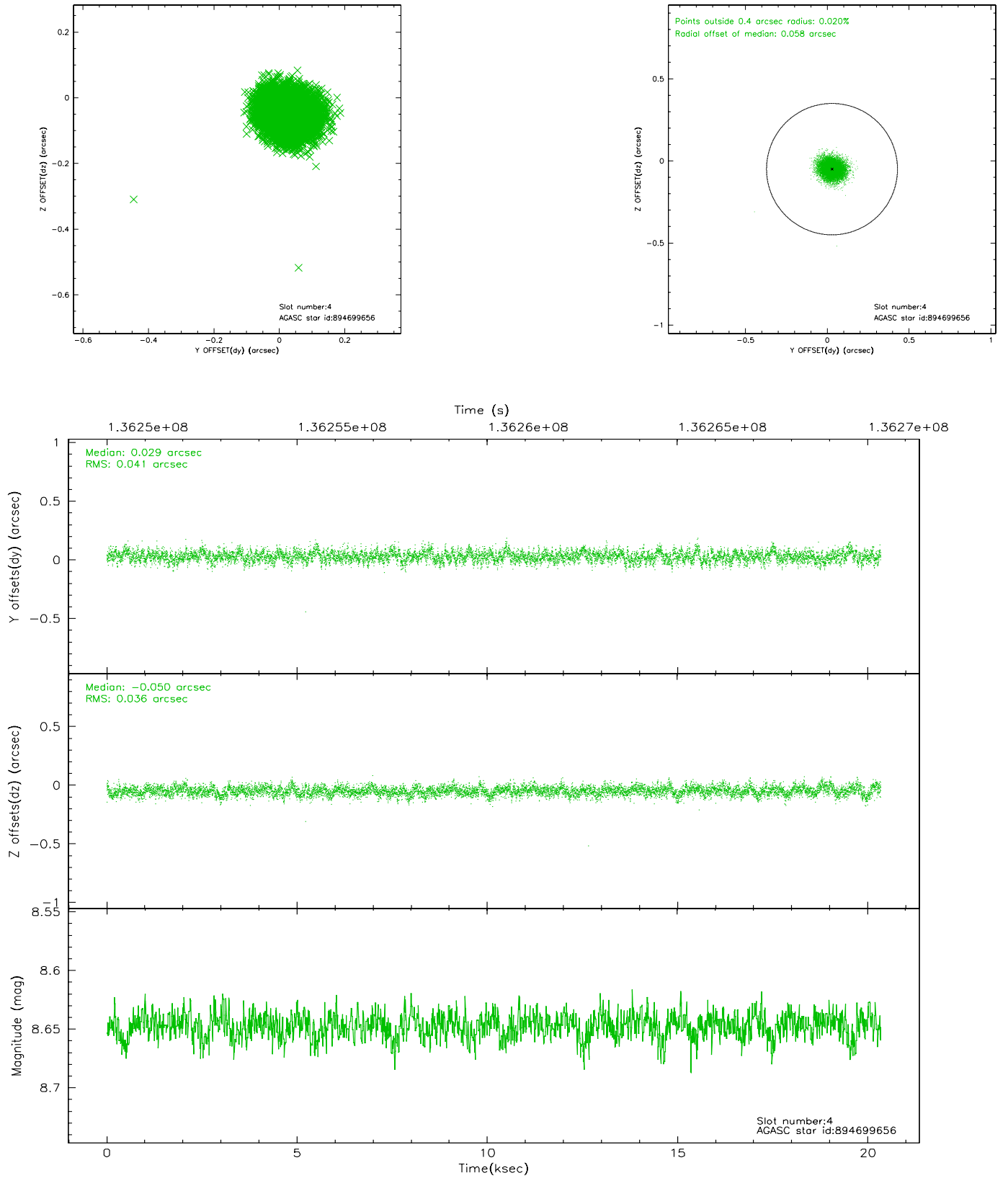
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.08	4961	-0.025	-0.095	0.007	0.011	0.000000	0.000000	-754.86	-1849.01
1	FID	ACIS-S-4	7.19	4961	-0.063	0.037	0.005	0.009	0.000000	0.000000	2158.33	59.34
2	FID	ACIS-S-5	7.23	4961	0.057	0.066	0.006	0.010	0.000000	0.000000	-1807.35	53.31
3	GUIDE	895353520	8.74	9920	-0.157	0.260	0.069	0.107	263.803092	-24.654210	753.75	-2465.14
4	GUIDE	894699656	8.65	9921	0.029	-0.050	0.058	0.095	263.251476	-24.323201	1670.98	-504.94
5	GUIDE	894699080	9.46	9920	-0.099	-0.167	0.082	0.133	262.542072	-24.037504	2340.10	1952.50
6	GUIDE	894700152	9.46	9920	-0.013	0.063	0.087	0.143	263.301771	-24.142954	2337.46	-572.54
7	GUIDE	895223264	9.68	9901	0.241	-0.101	0.096	0.158	263.266819	-25.047627	-900.76	-937.36

2.4 Star Slots

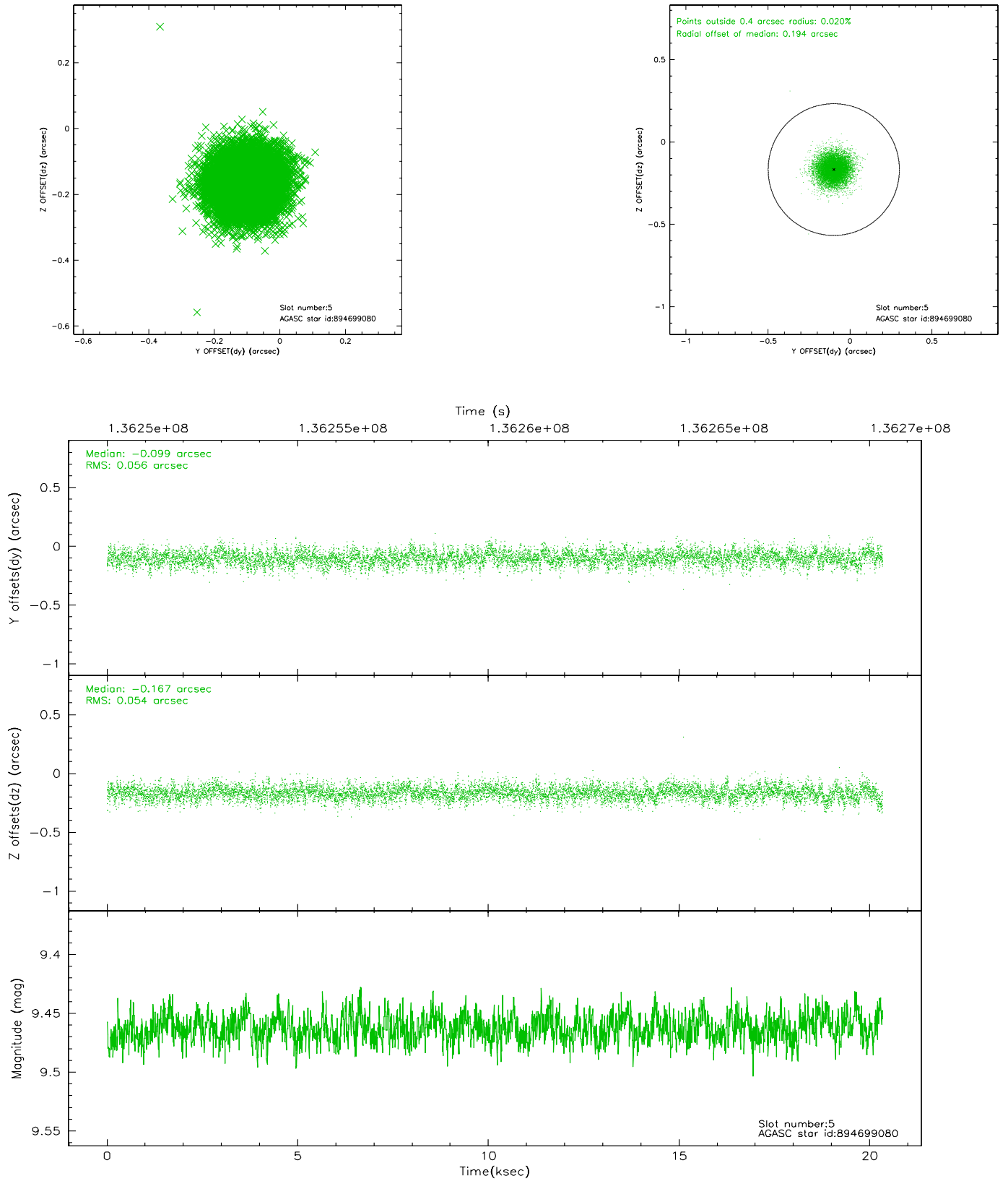
2.4.1 Slot 3



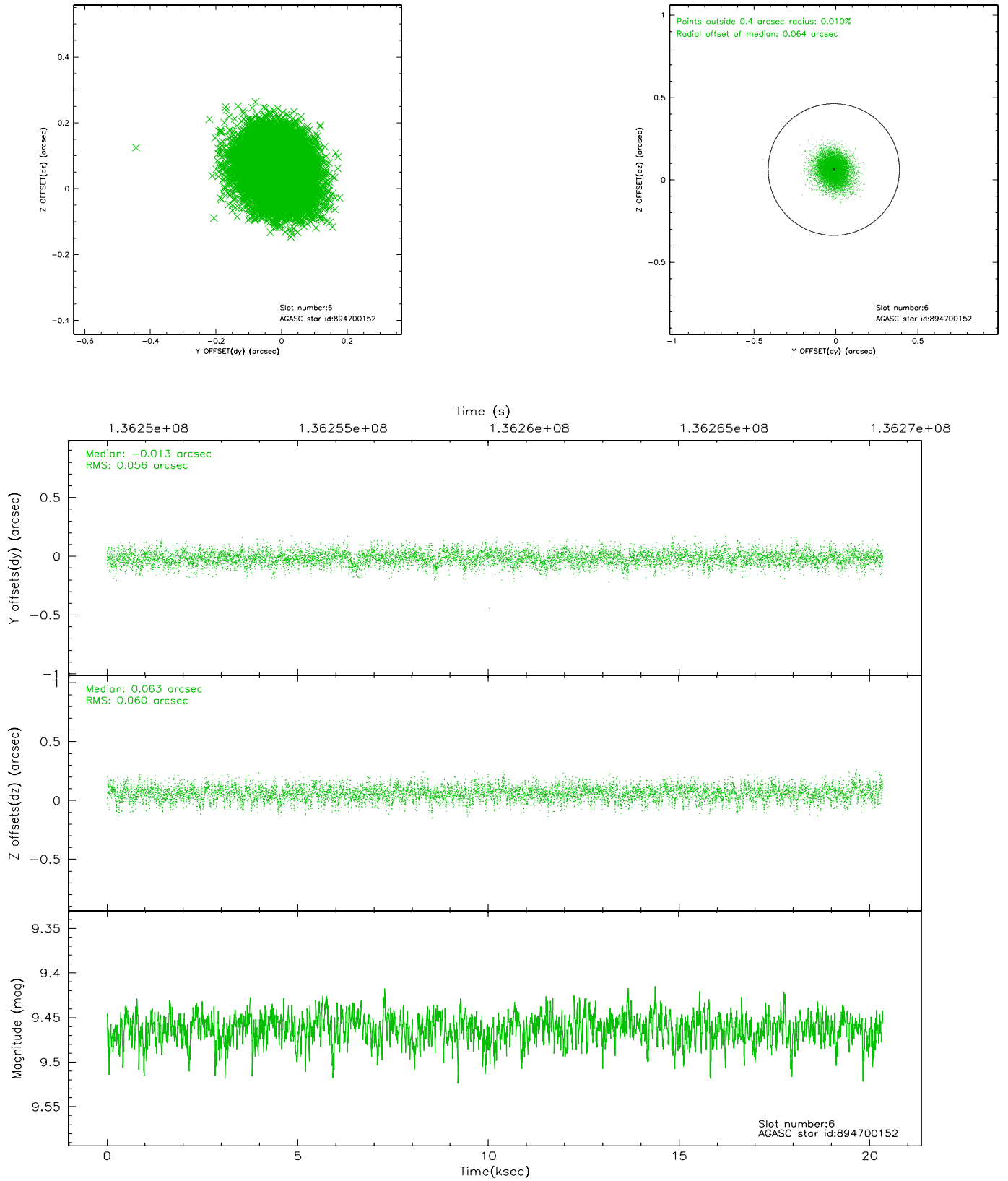
2.4.2 Slot 4



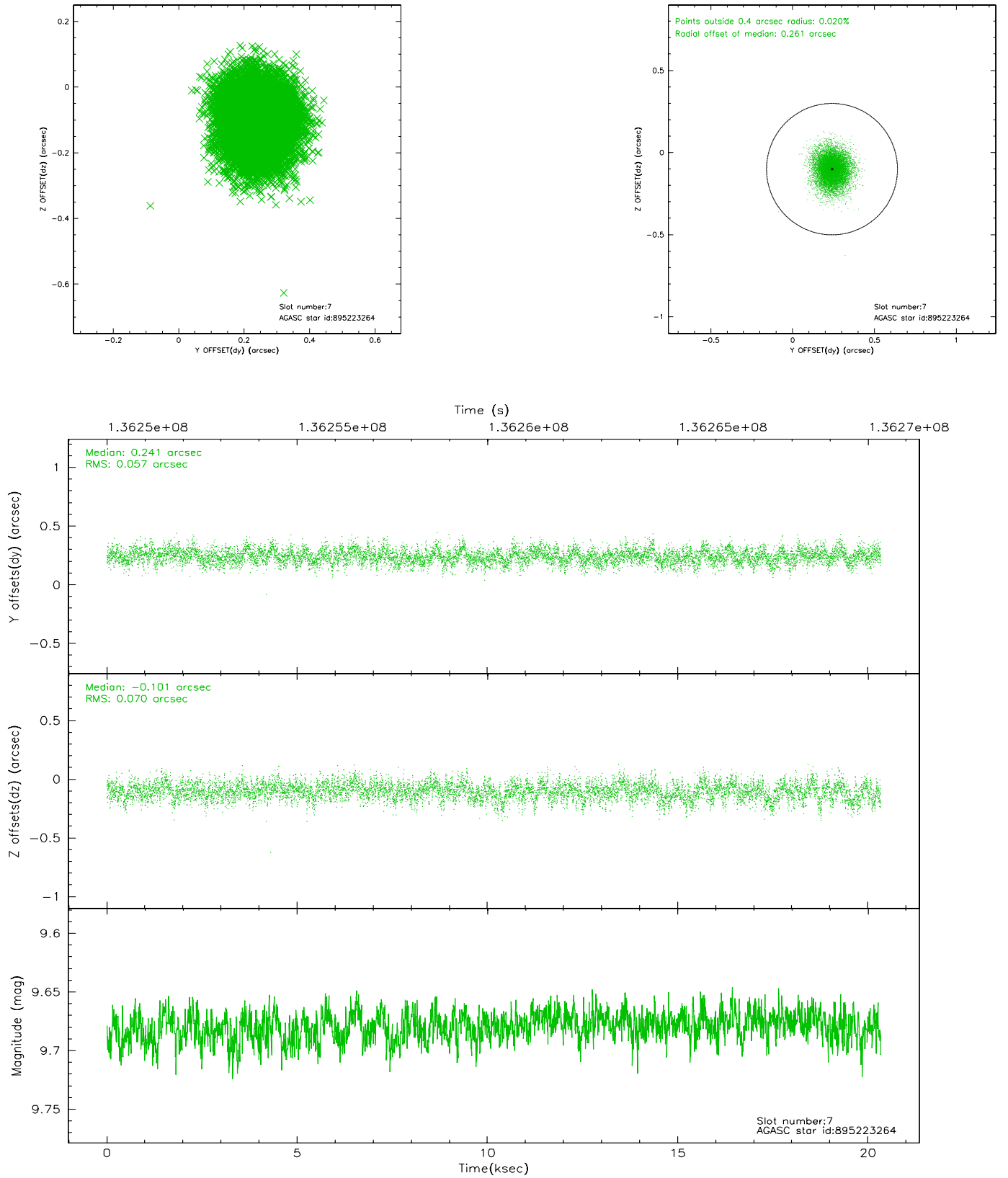
2.4.3 Slot 5



2.4.4 Slot 6

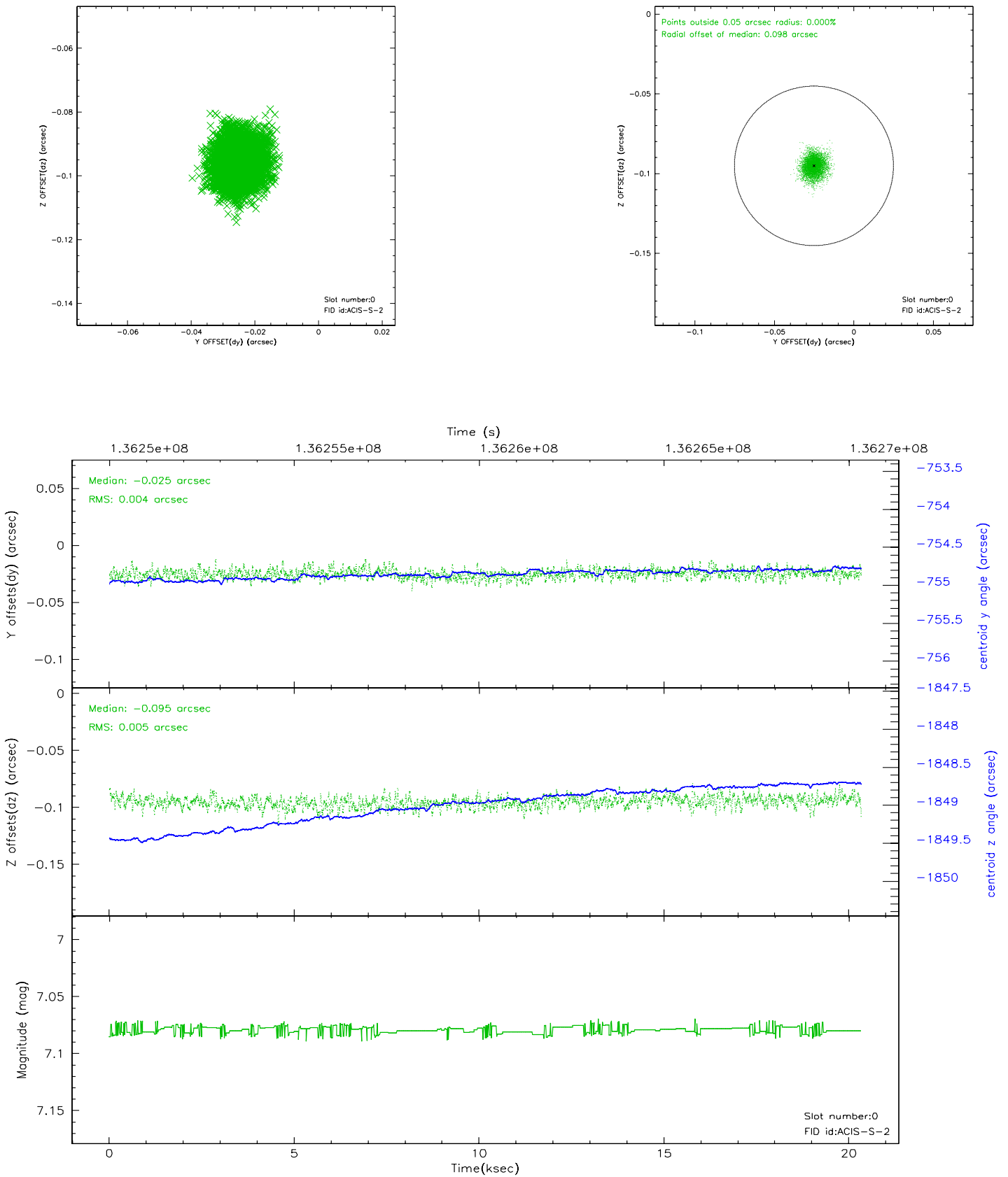


2.4.5 Slot 7

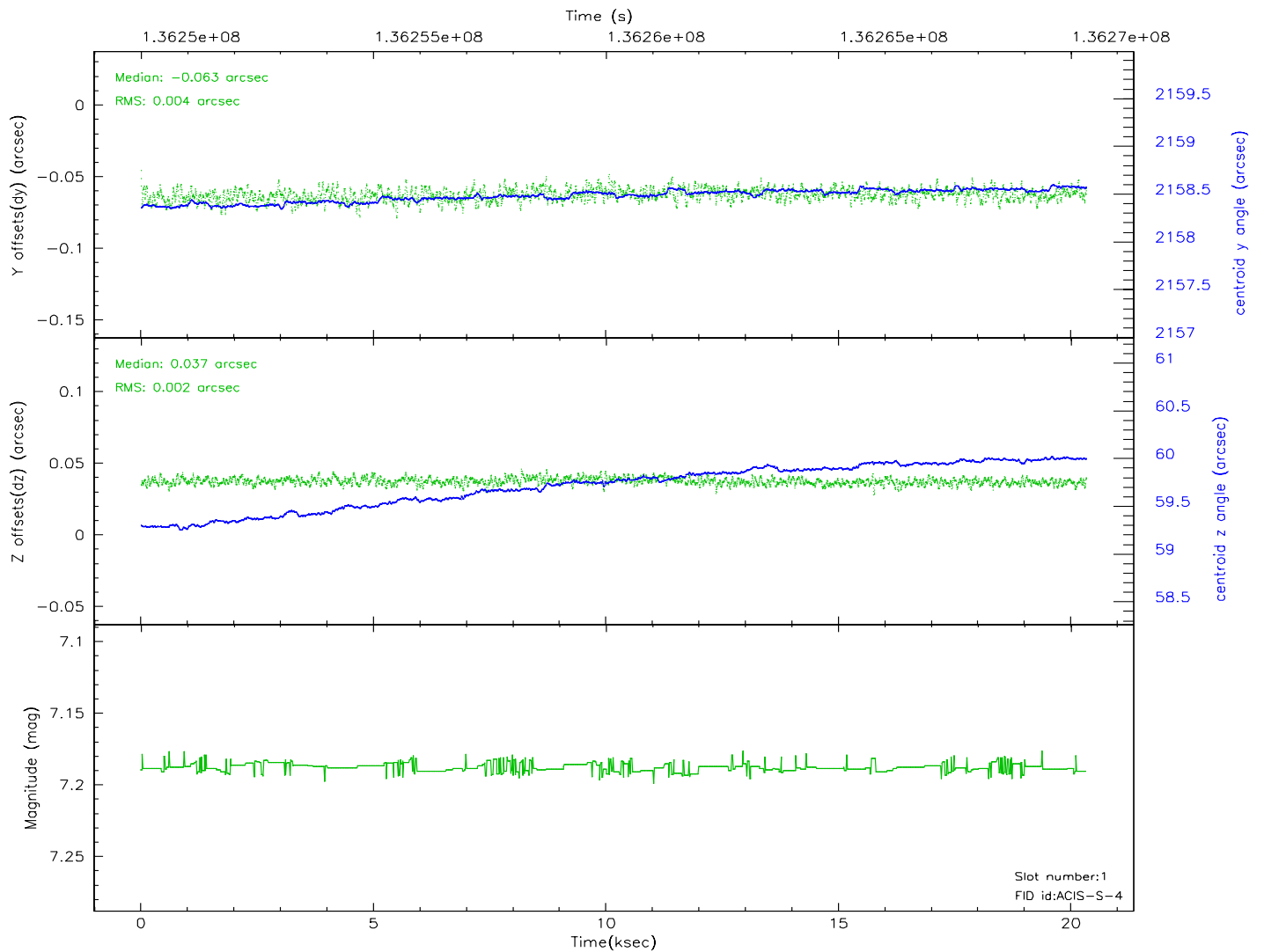
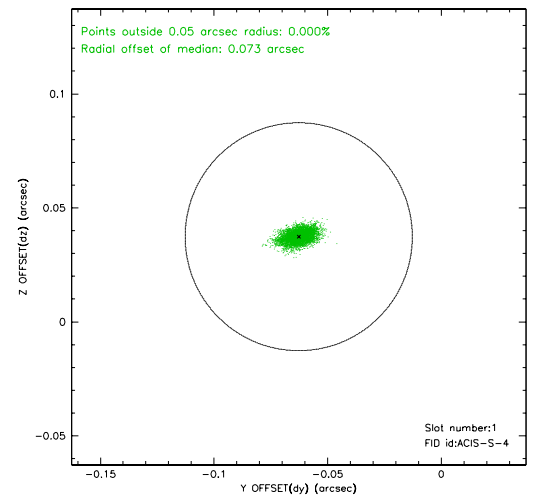
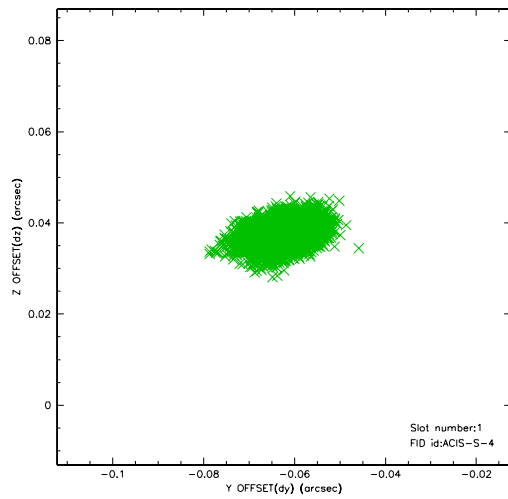


2.5 FID Slots

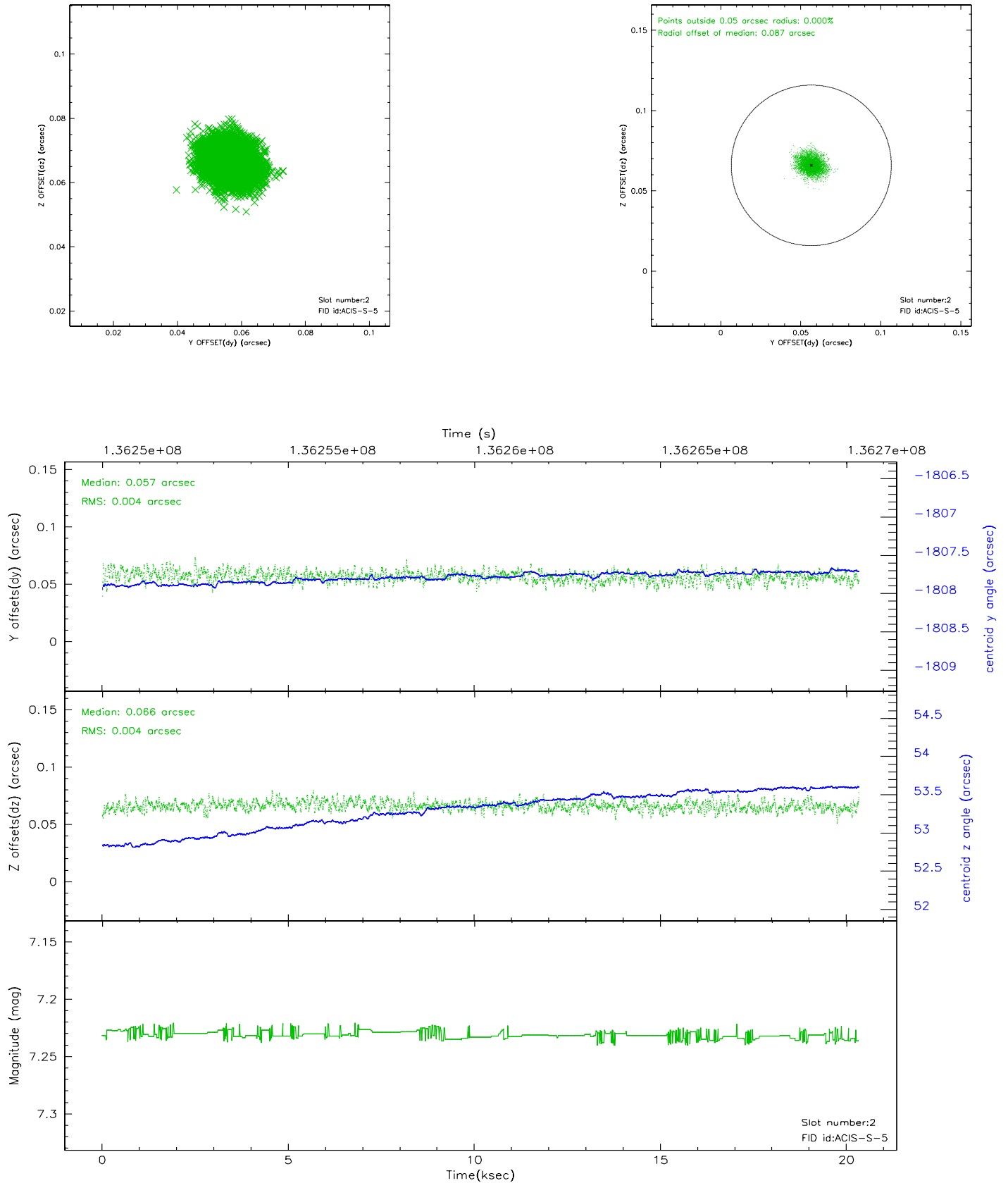
2.5.1 Slot 0



2.5.2 Slot 1

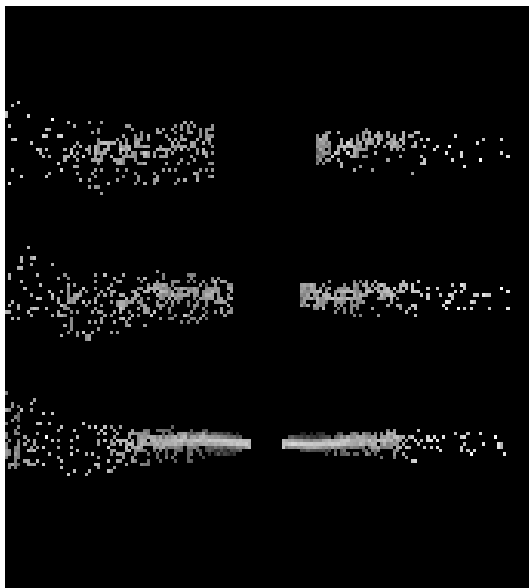


2.5.3 Slot 2

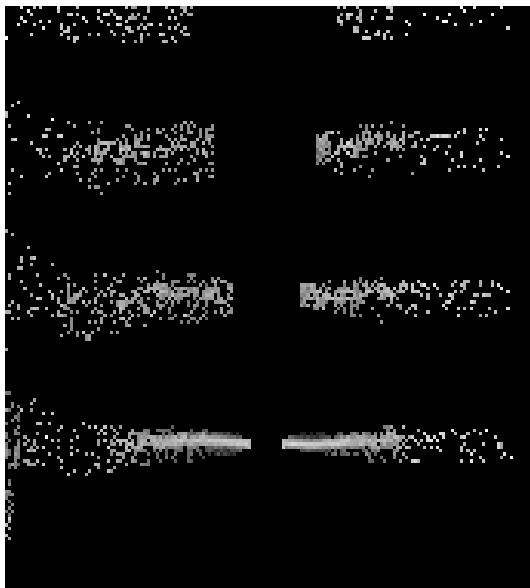


3 Gratings

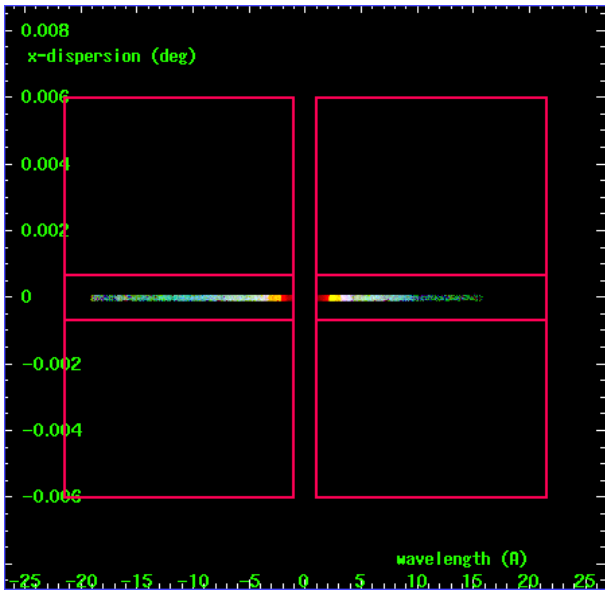
3.1 HEG Arm



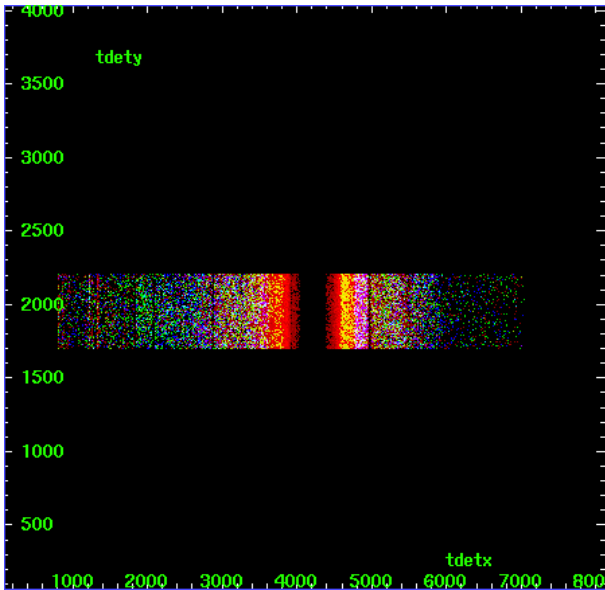
HEG Order Sort 123



HEG Order Sort ALL

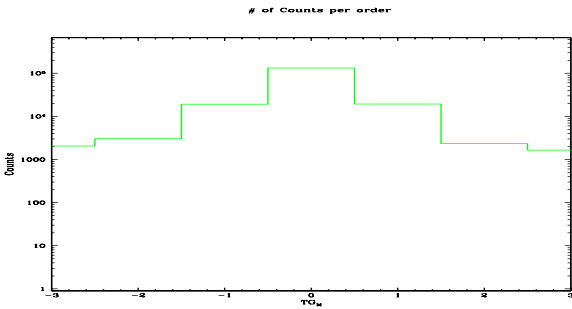


Spot Image HEG

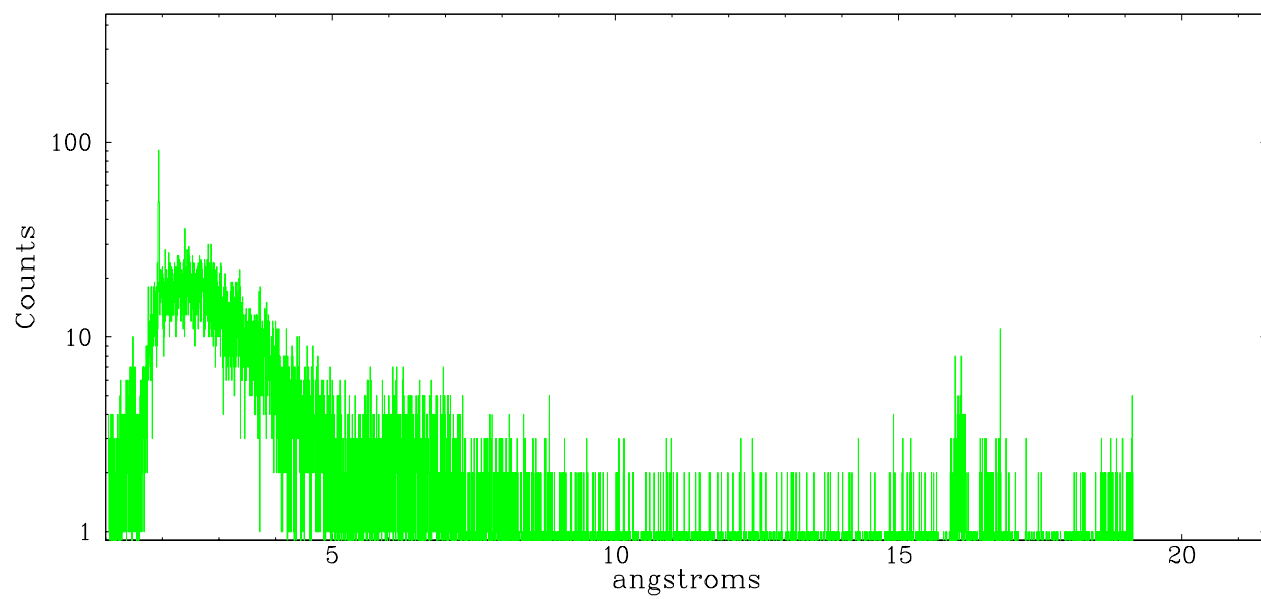


Full Detector HEG

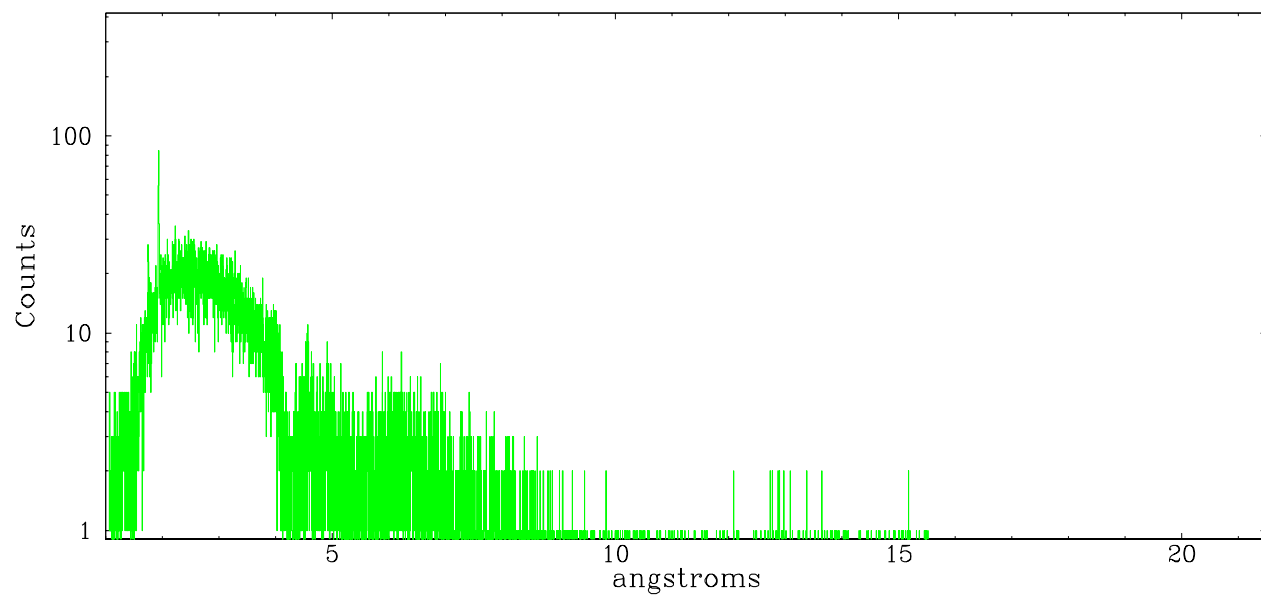
	order -3	order -2	order -1	order 0	order 1	order 2	order 3
Events	2047	3033	19161	132605	19375	2337	1642



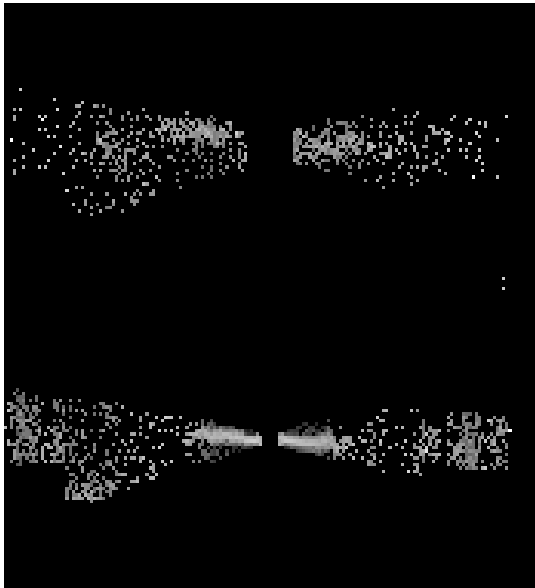
heg order -1



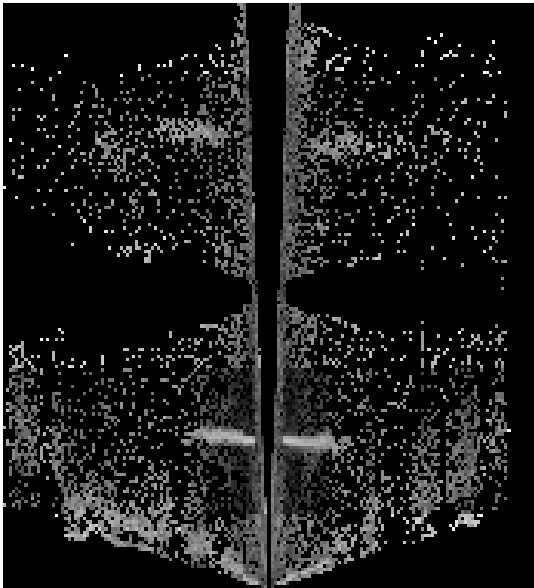
heg order +1



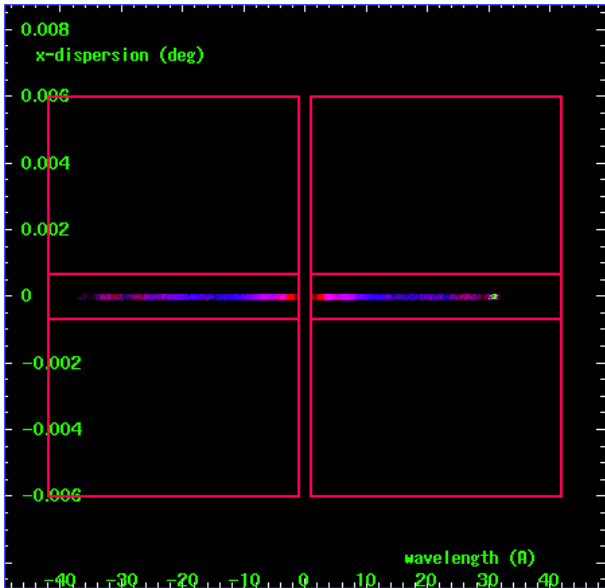
3.2 MEG Arm



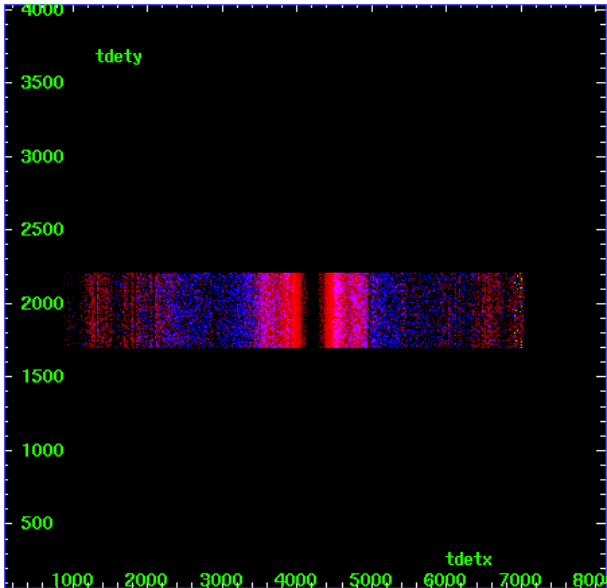
MEG Order Sort 123



MEG Order Sort ALL

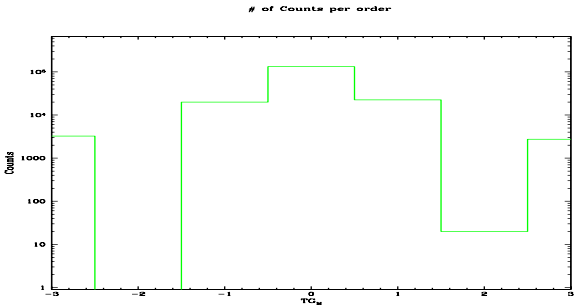


Spot Image MEG

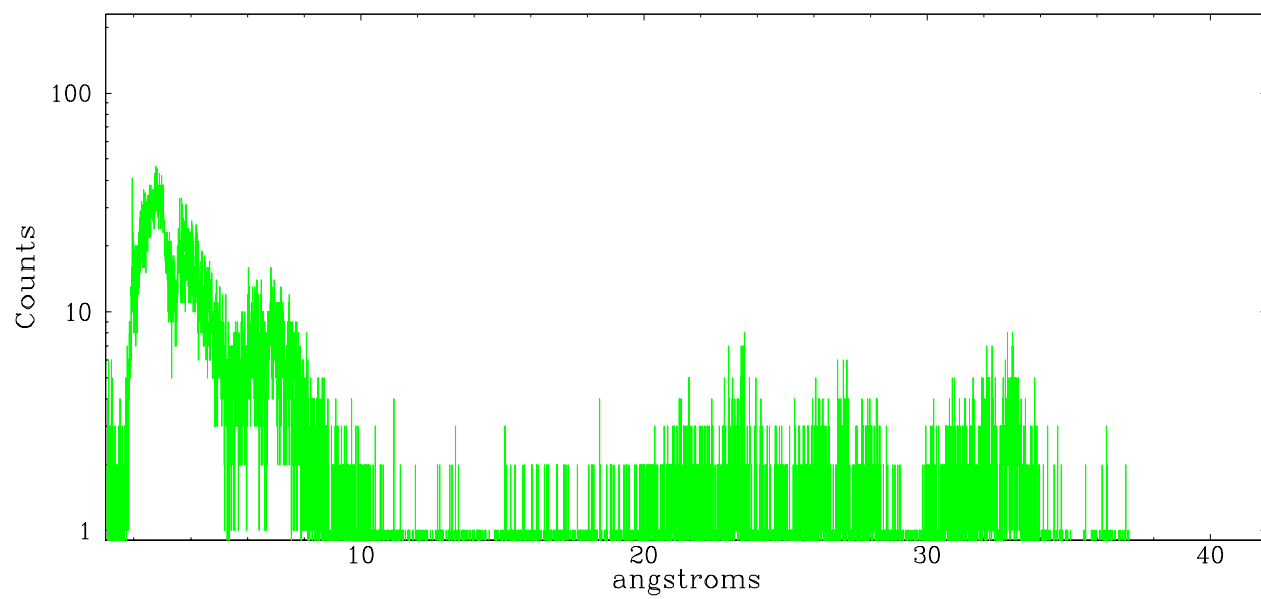


Full Detector MEG

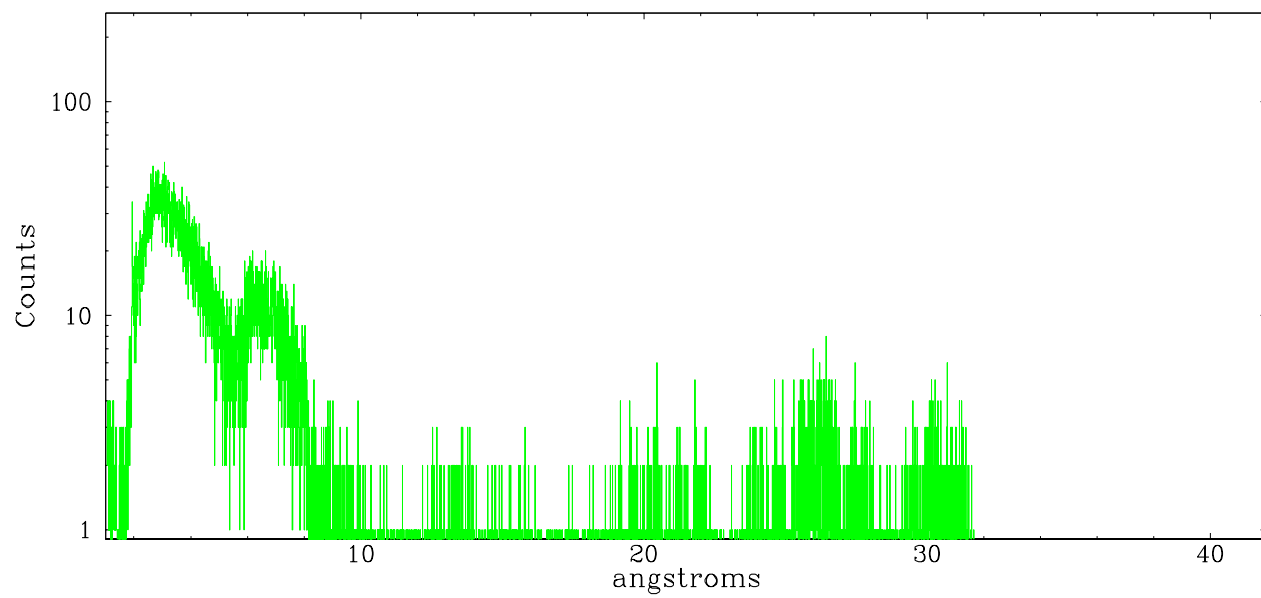
	order -3	order -2	order -1	order 0	order 1	order 2	order 3
Events	3252	0	19852	132605	22508	20	2733



meg order -1



meg order +1



A Summary

A.1 Status

V&V Scientist	David Huenemoerder
V&V Date (YYYY-MM-DD)	2006.09.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.339

A.2 Comments