

V&V Reference Report

L2 ASCDS Version : 7.6.8.1

Observation 2971 - L2 Version 001
Chandra X-Ray Center

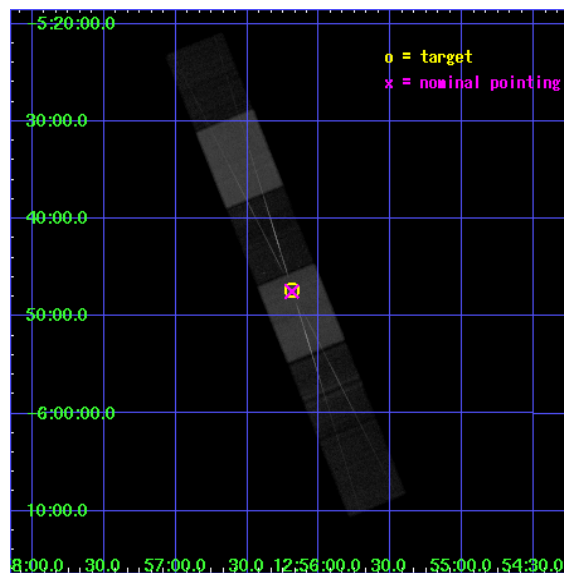
L2 Processing Date : Sep 8 2006

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1 Front

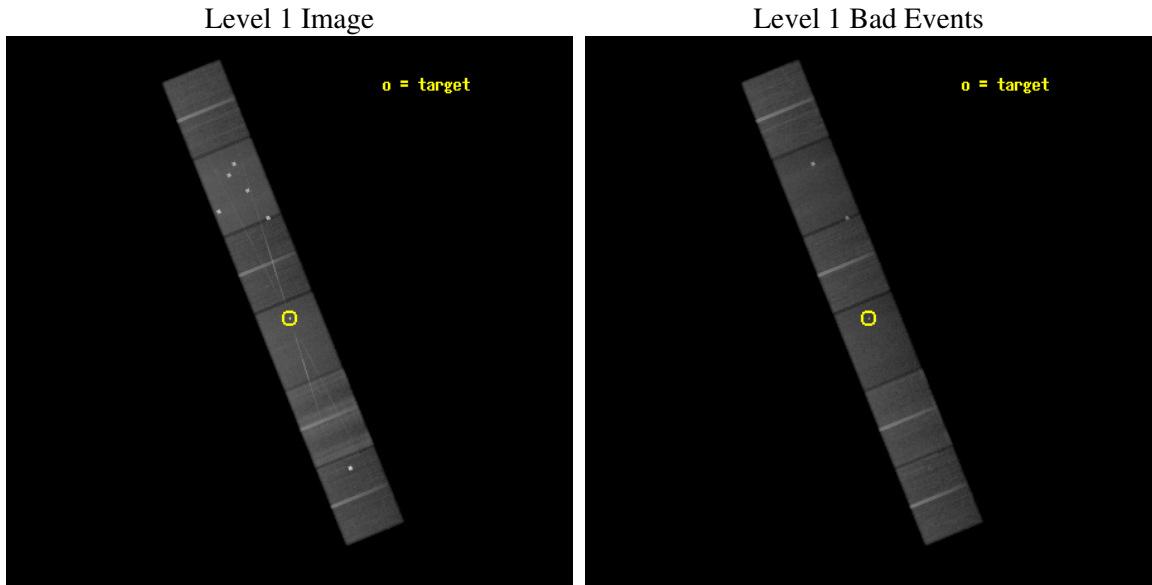
seq_num	700410
obs_id	2971
title	PROBING THE INTERGALACTIC MEDIUM AT LOW REDSHIFT
observer	Prof. Claude Canizares
object	3C 279
dtcycle	0
cycle	P
ra_targ	194.04625
dec_targ	-5.789444
ra_nom	194.04727538238
dec_nom	-5.7914236004716
roll_nom	67.956754581807
revision	2
ontime	108250.0
livetime	106501.66860813
ontime4	108250.0
ontime5	108250.0
ontime6	108244.91804951
ontime7	108250.0
ontime8	108247.45901975
ontime9	108250.0
l2events	837070



2 OBI

2.1 OBI

2.1.1 Images

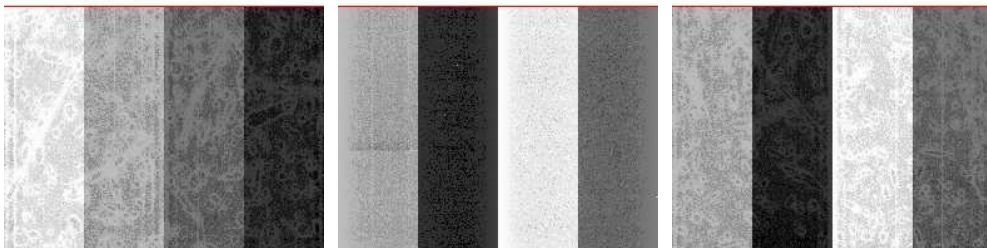


2.1.2 Bias

Chip 4

Chip 5

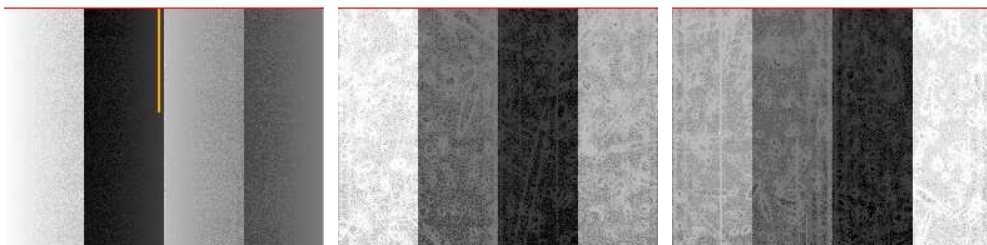
Chip 6



Chip 7

Chip 8

Chip 9



2.1.3 Parameters

obi_num	1
ascdsver	7.6.8.1
caldbver	3.2.3
date	2006-09-08T11:51:59
revision	2

sched_exp_time	108491.376000
ontime	108252.23005489
ontime4	108252.23007481
ontime5	108252.23007481
ontime6	108247.14812432
ontime7	108252.23005489
ontime8	108249.68909456
ontime9	108252.23007481
l1events	3946707

2.1.4 Events

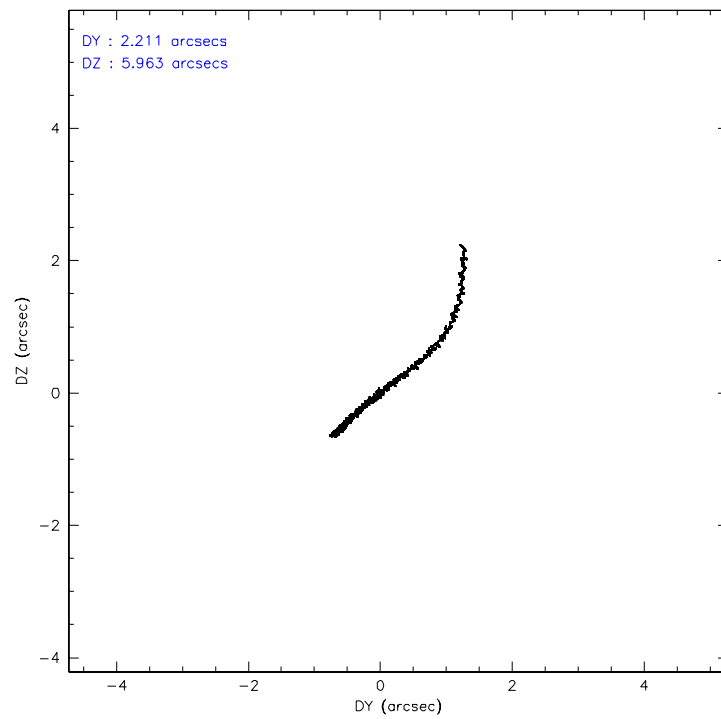
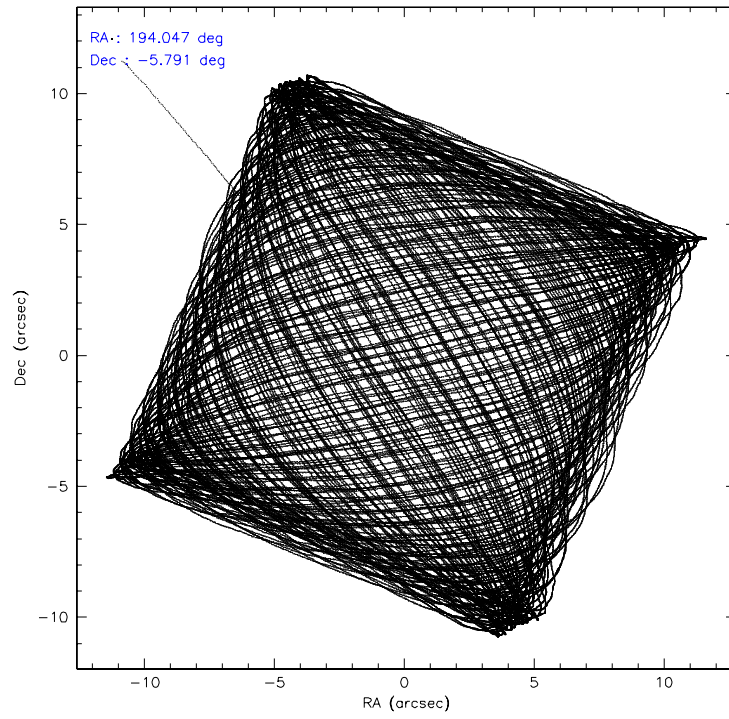
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	577111	804584	550114	688985	771426	554487
rejected events	504854	408681	468063	397238	527952	448234
rejected %	87%	50%	85%	57%	68%	80%

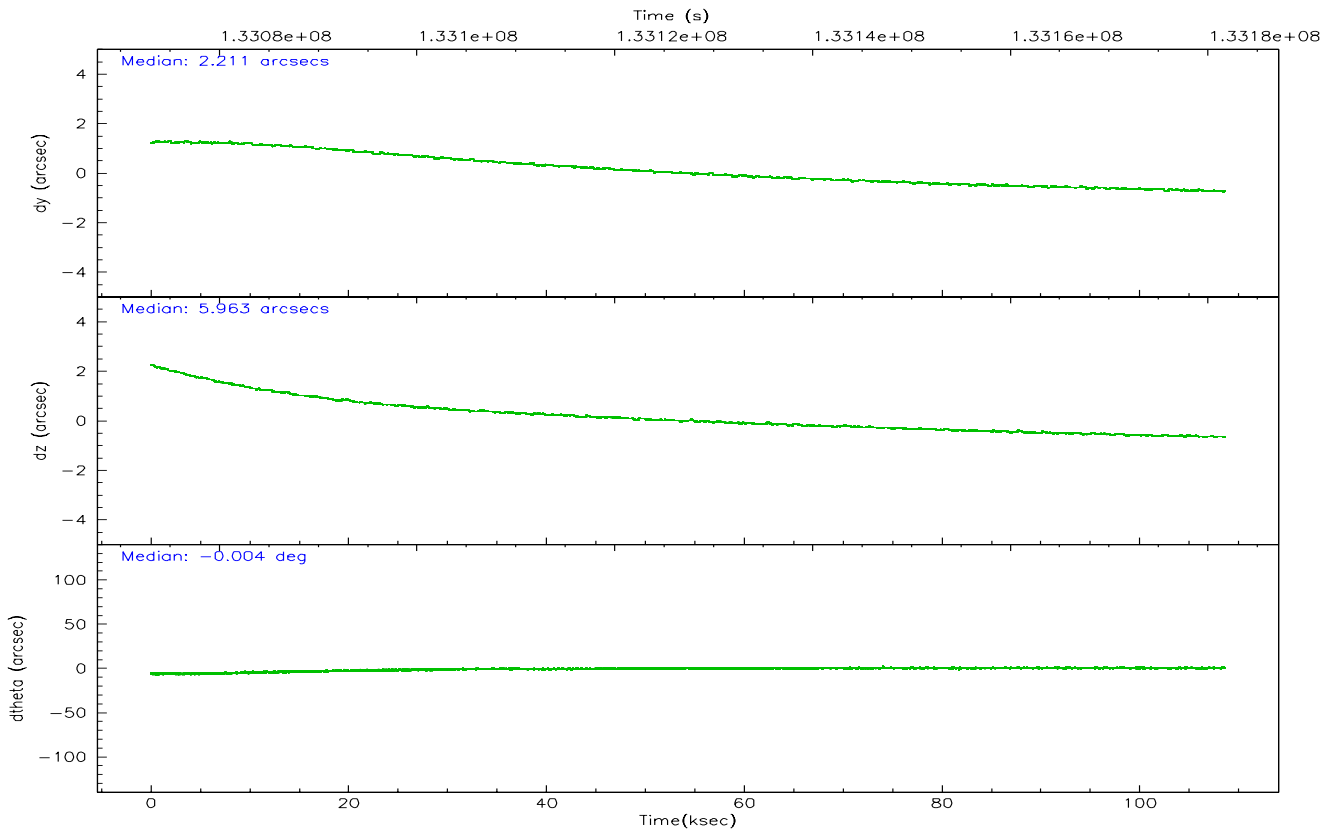
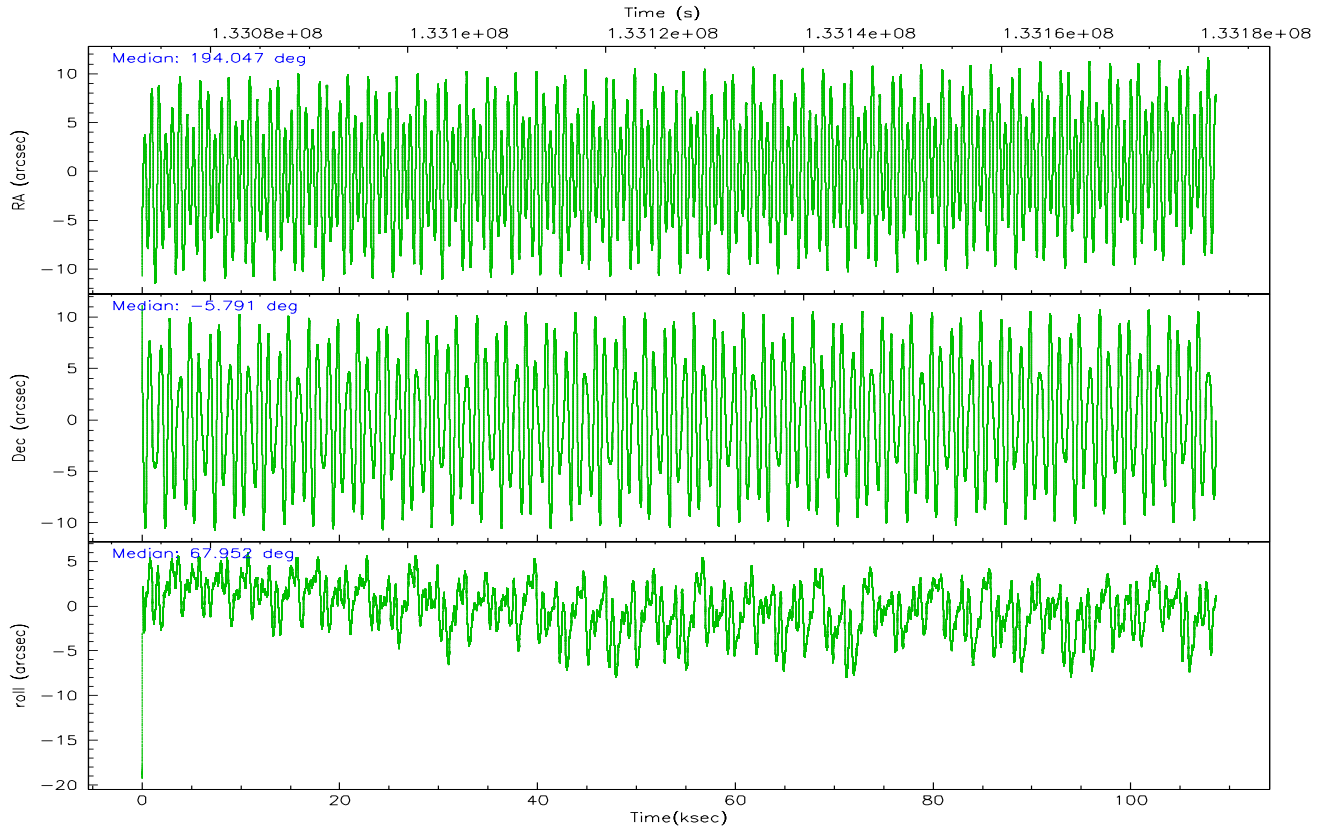
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	28987	88427	39245	23198	79167	58340
	5%	10%	7%	3%	10%	10%
grade 1 events	247	1399	261	648	635	242
	0%	0%	0%	0%	0%	0%
grade 2 events	18692	101477	15838	71816	40122	22263
	3%	12%	2%	10%	5%	4%
grade 3 events	6317	13523	7119	19268	36996	6422
	1%	1%	1%	2%	4%	1%
grade 4 events	6009	10492	6881	18874	33177	6171
	1%	1%	1%	2%	4%	1%
grade 5 events	18175	41013	21061	47800	28341	21796
	3%	5%	3%	6%	3%	3%
grade 6 events	12253	181993	12969	158595	54015	13059
	2%	22%	2%	23%	7%	2%
grade 7 events	486431	366260	446740	348786	498973	426194
	84%	45%	81%	50%	64%	76%

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	194.051403	194.0472753823766	Subarray start row	1	1
Pointing Dec	-5.818353	-5.791423600471594	Subarray row count	774	774
Pointing Roll	67.800545	67.95675458180749	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	133073248.184000	133071547.16286			
Observation start date	2002-03-21T04:46:24	2002-03-21T04:19:07			
Observation end time	133181739.184000	133182053.95484			
Observation end date	2002-03-22T10:54:35	2002-03-22T11:00:53			
Read mode	TIMED	TIMED			

2.3 Aspect



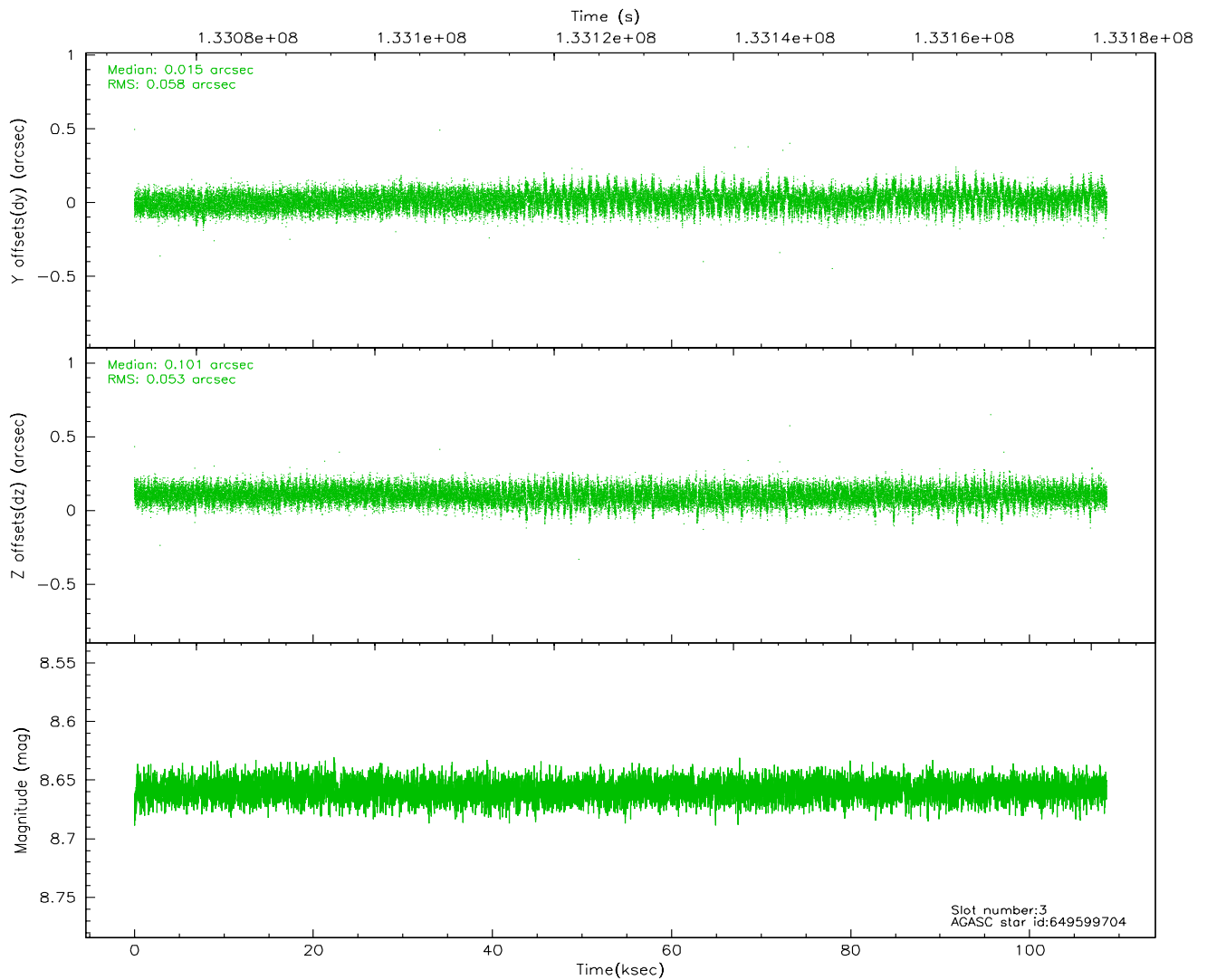
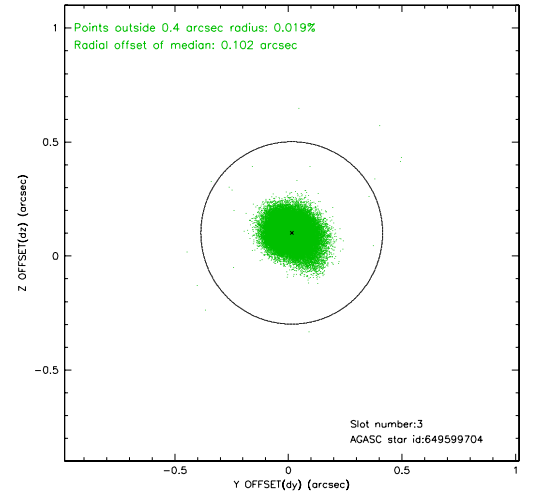
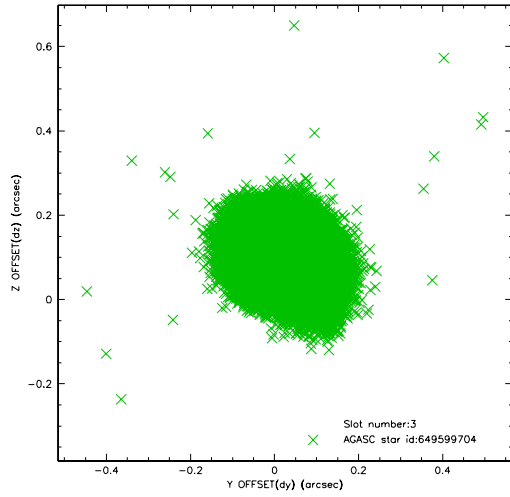


Slot Statistics

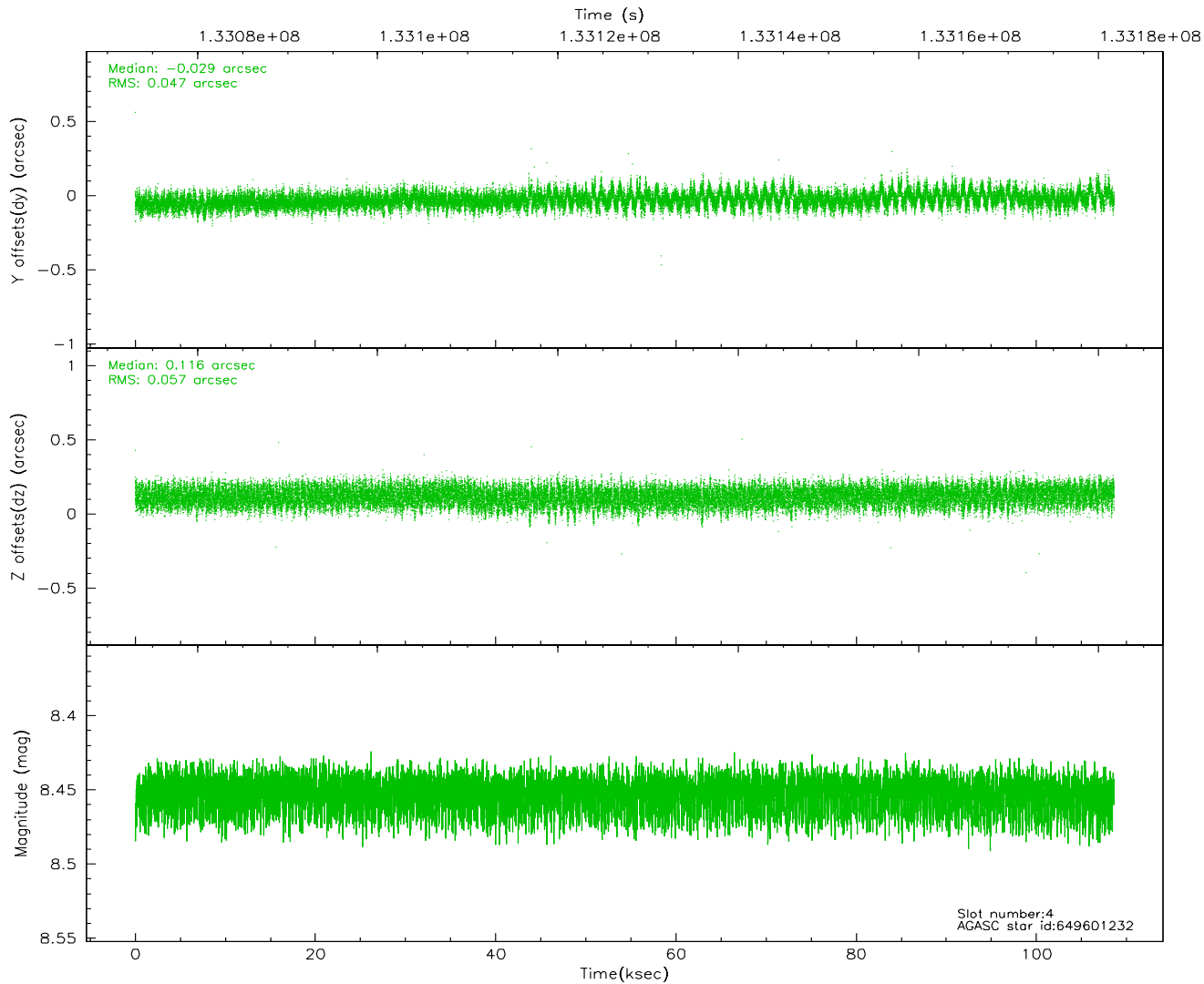
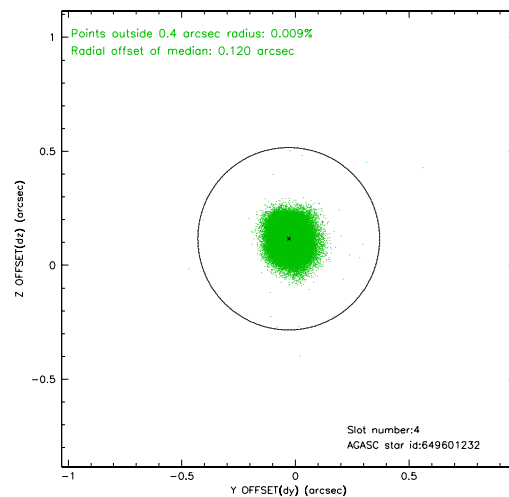
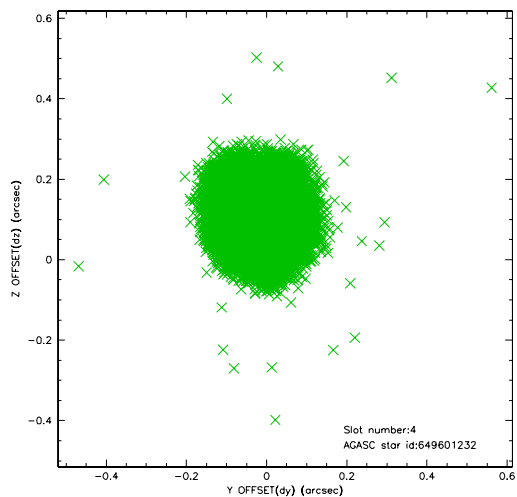
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	26494	-0.023	-0.036	0.012	0.035	0.000000	0.000000	-754.79	-1789.46
1	FID	ACIS-S-4	7.20	26495	-0.042	0.021	0.010	0.026	0.000000	0.000000	2158.52	119.16
2	FID	ACIS-S-5	7.23	26496	0.034	0.024	0.011	0.032	0.000000	0.000000	-1807.69	112.74
3	GUIDE	649599704	8.66	52984	0.015	0.101	0.082	0.134	194.128261	-6.327014	-1591.82	-946.33
4	GUIDE	649601232	8.45	52983	-0.029	0.116	0.079	0.126	194.416640	-6.392285	-1419.95	-1990.59
5	GUIDE	649598328	9.23	52960	-0.207	-0.088	0.097	0.158	193.935030	-5.035210	2452.01	1451.88
6	GUIDE	649594216	9.47	52959	0.156	-0.227	0.140	0.236	193.273989	-6.022654	-1734.83	2298.19
7	GUIDE	649600336	10.31	52851	0.077	0.101	0.223	0.441	194.463709	-5.310101	2251.81	-676.85

2.4 Star Slots

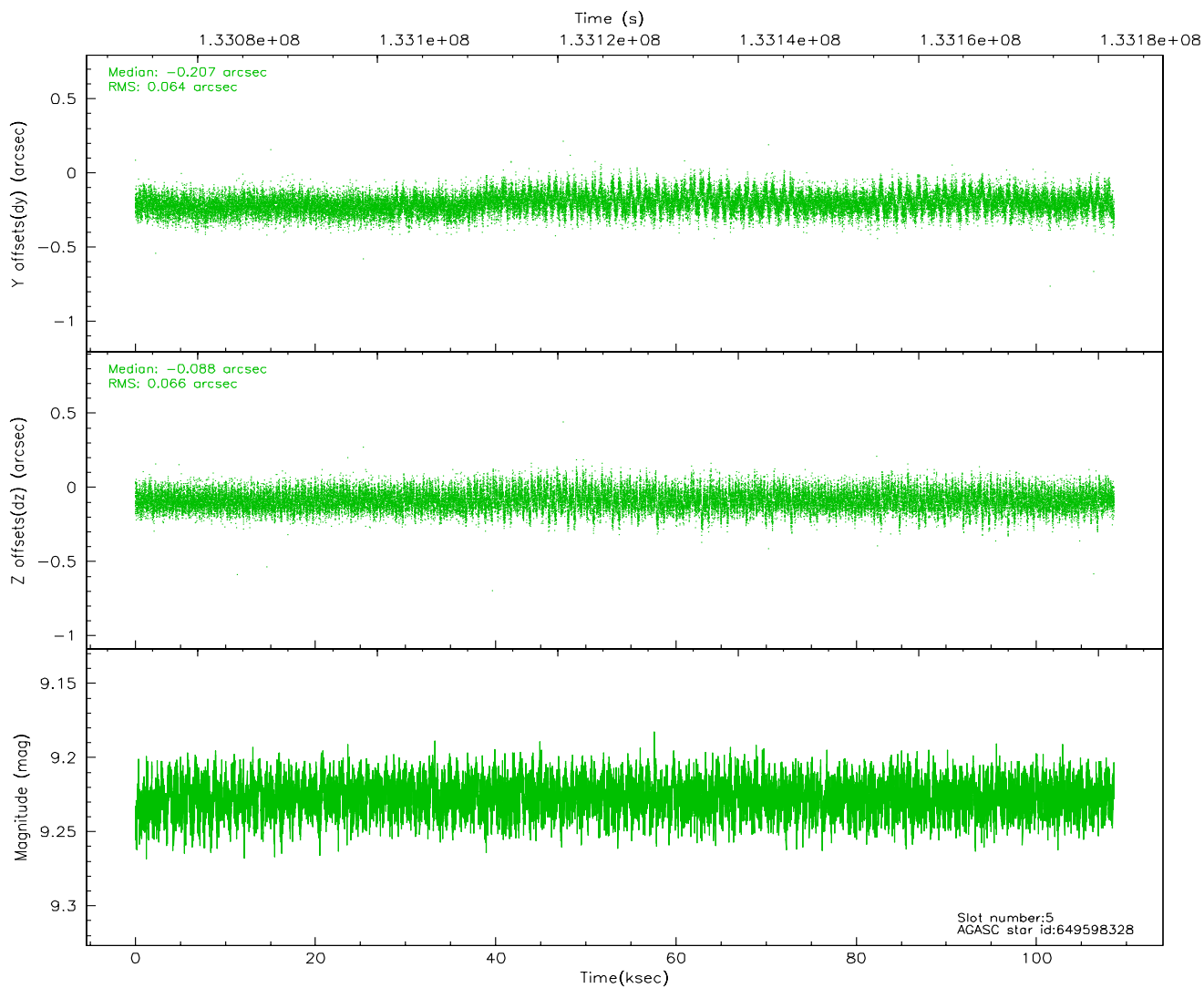
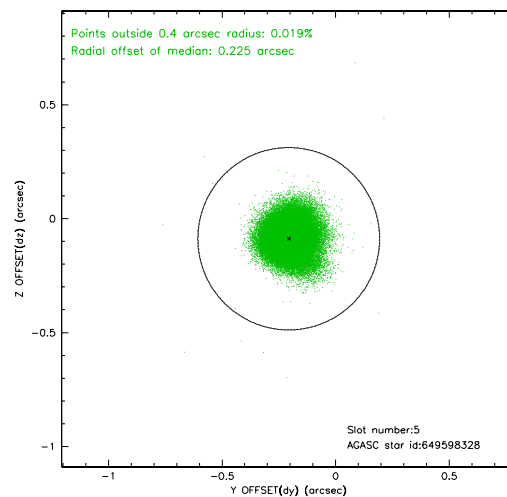
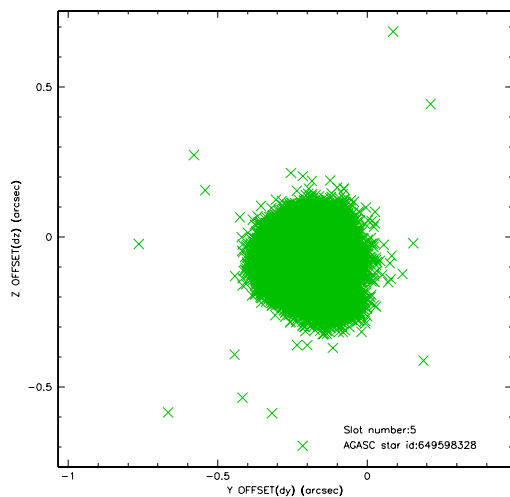
2.4.1 Slot 3



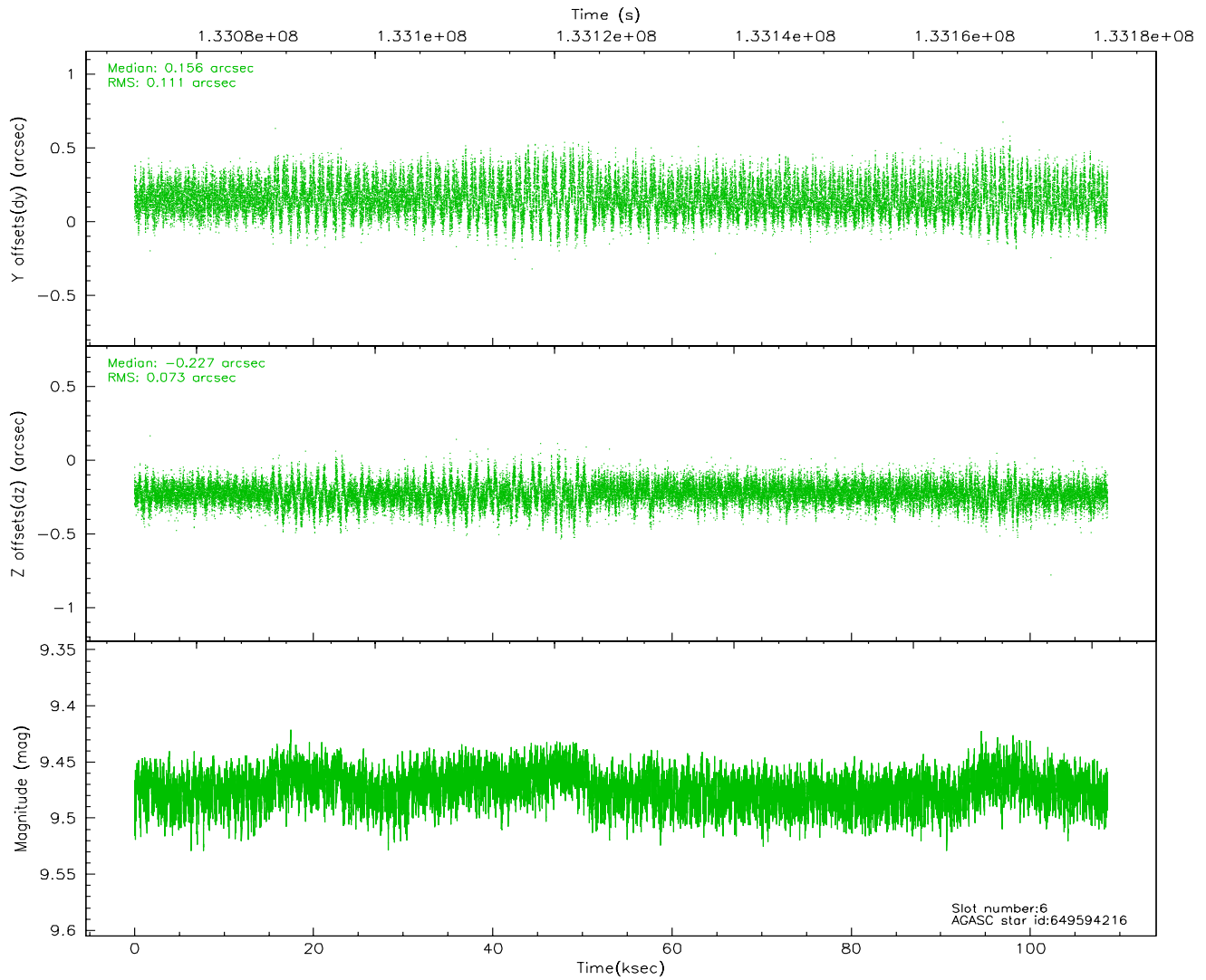
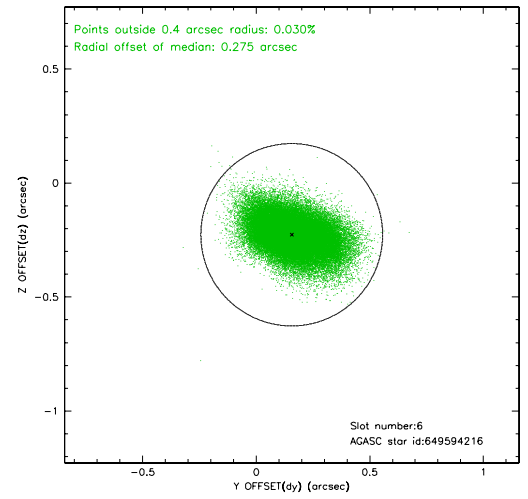
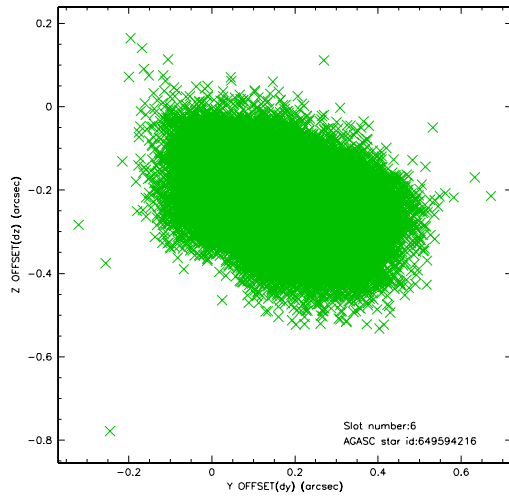
2.4.2 Slot 4



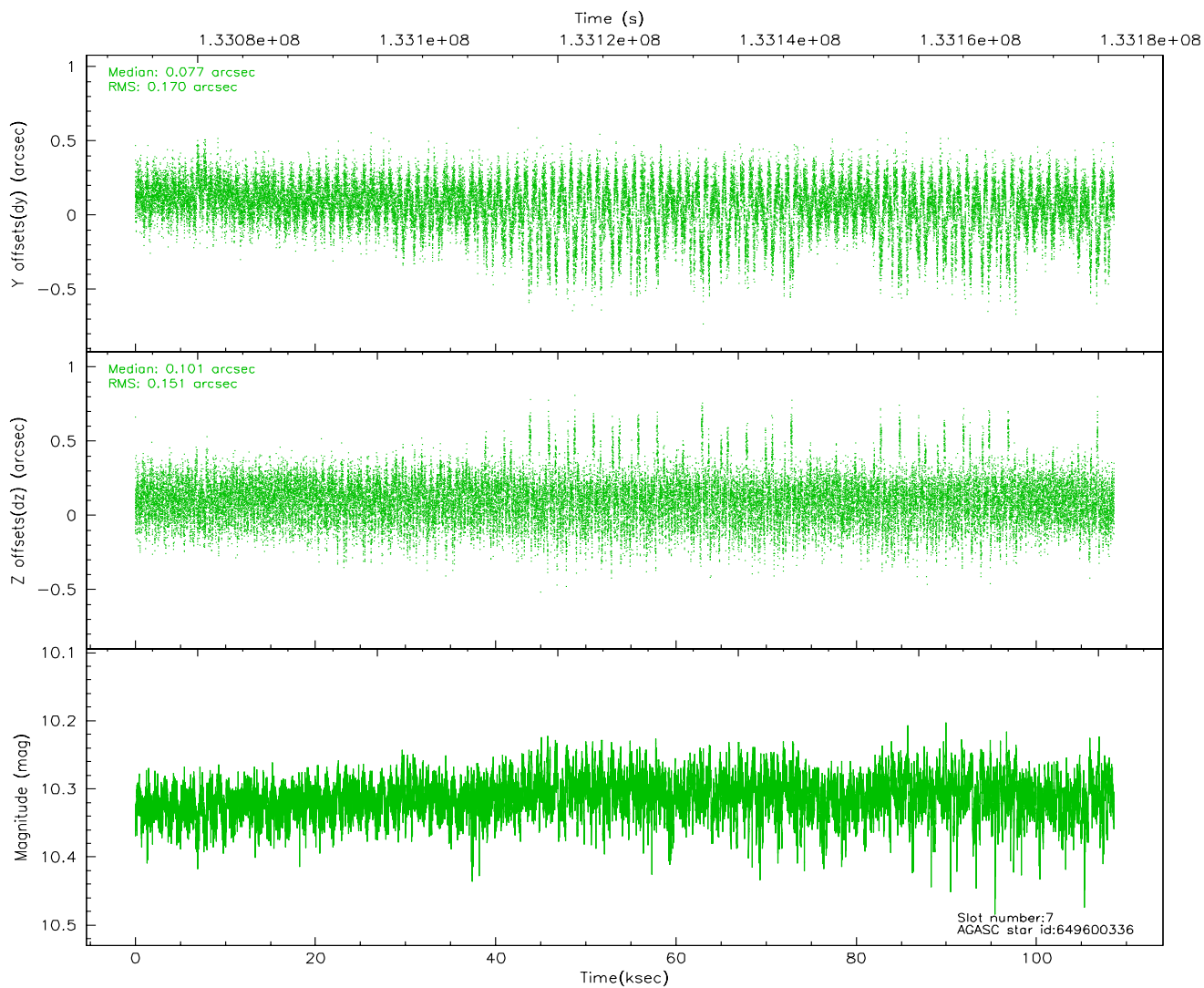
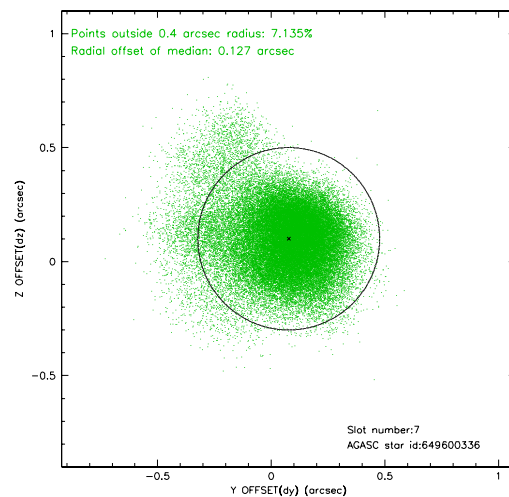
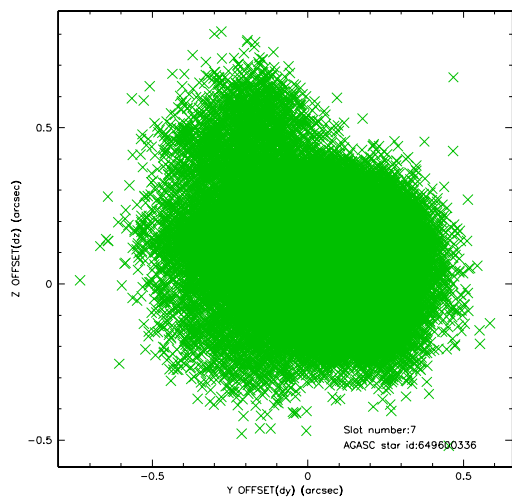
2.4.3 Slot 5



2.4.4 Slot 6

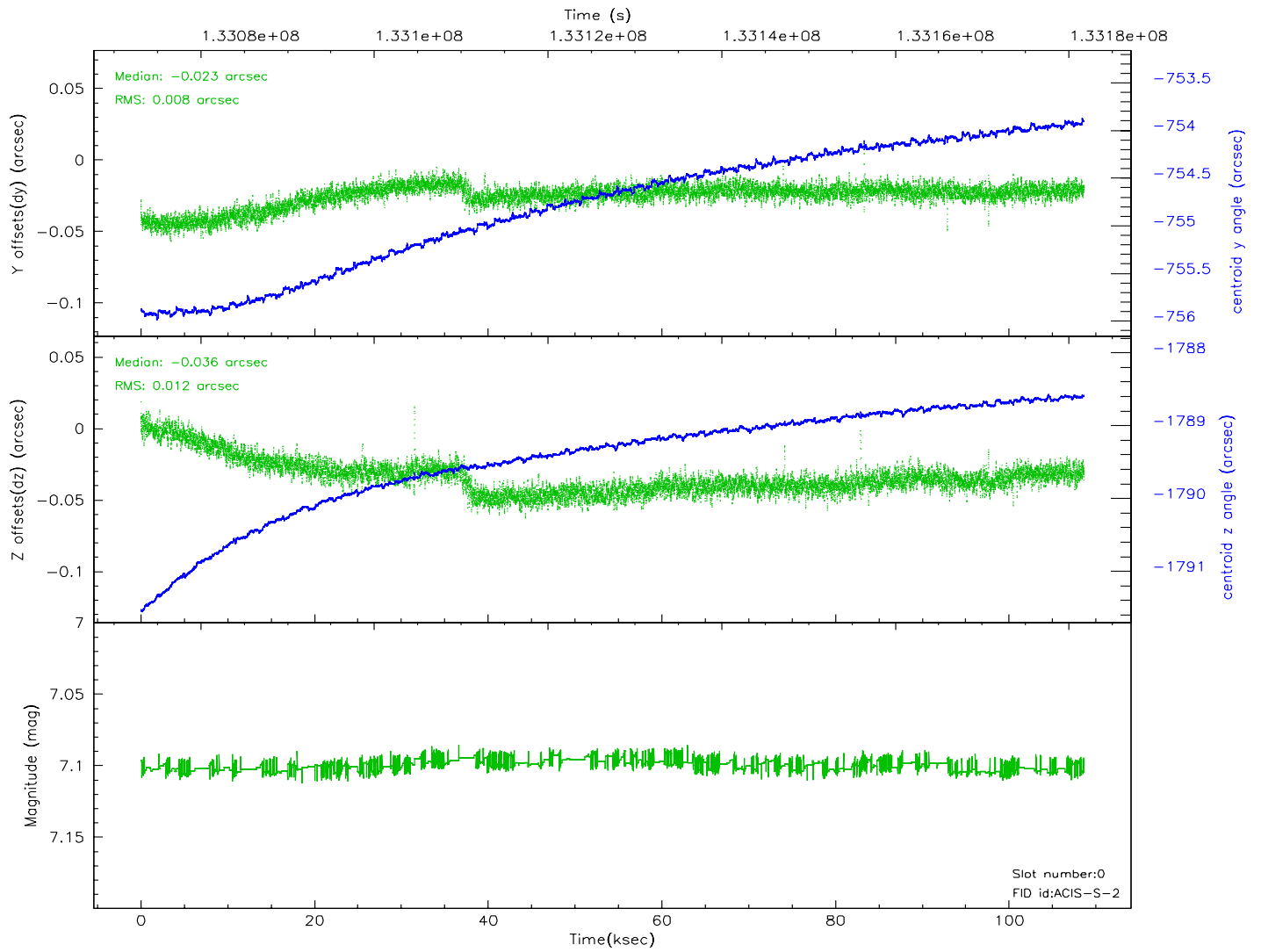
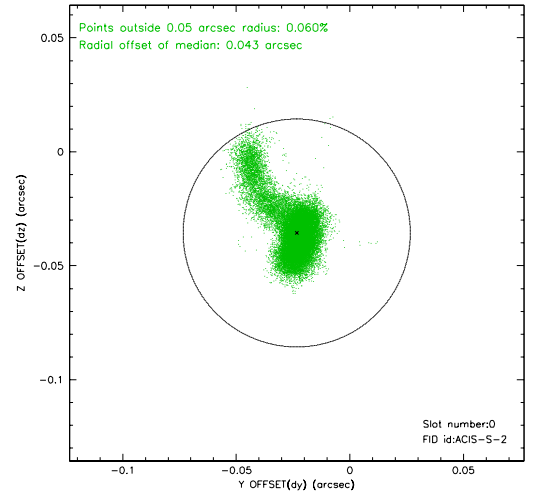
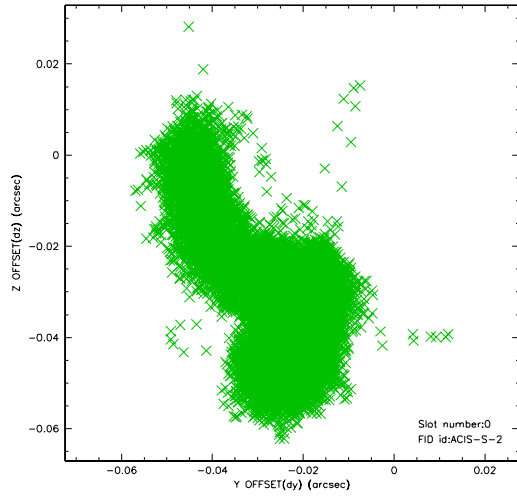


2.4.5 Slot 7

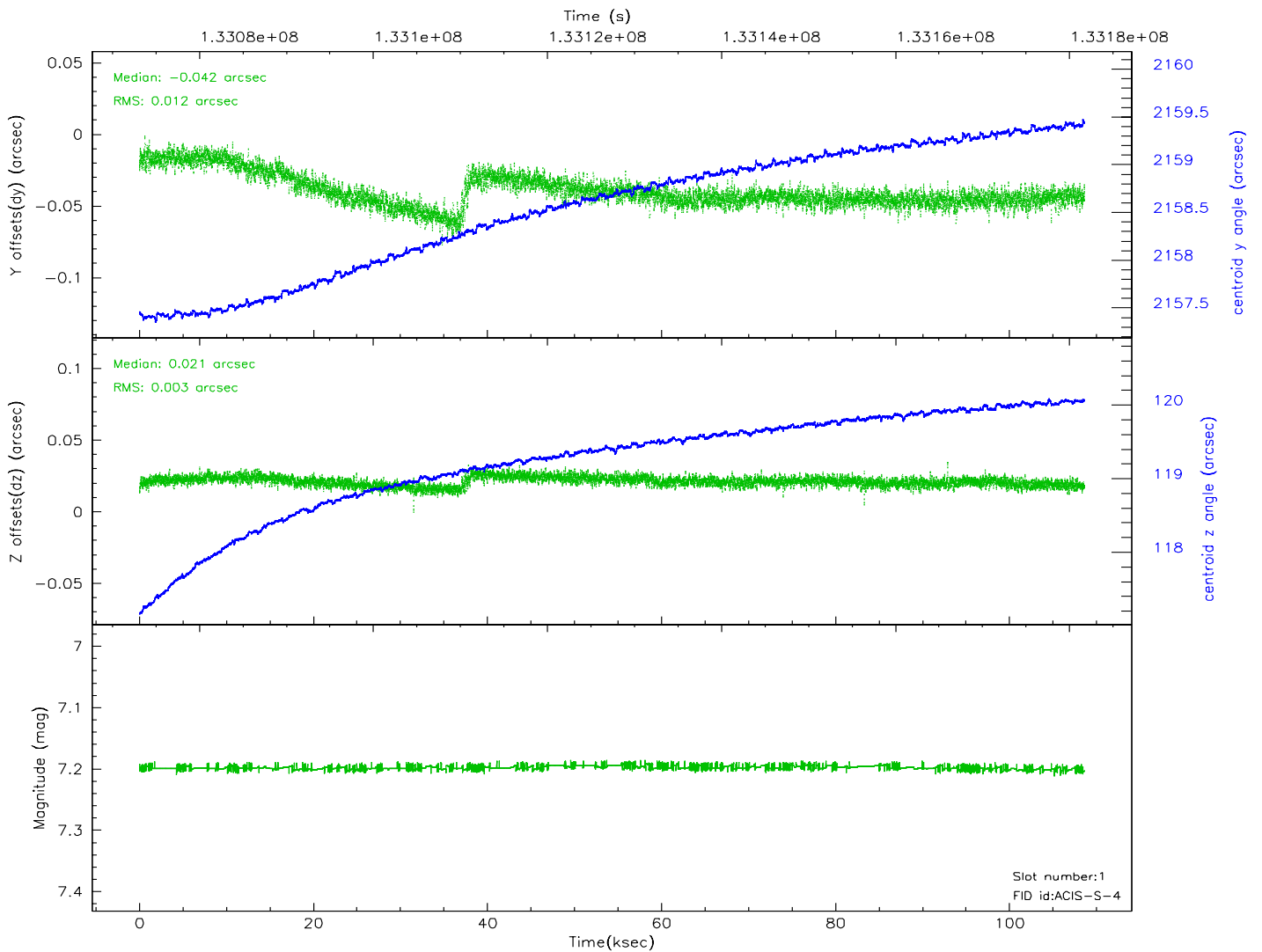
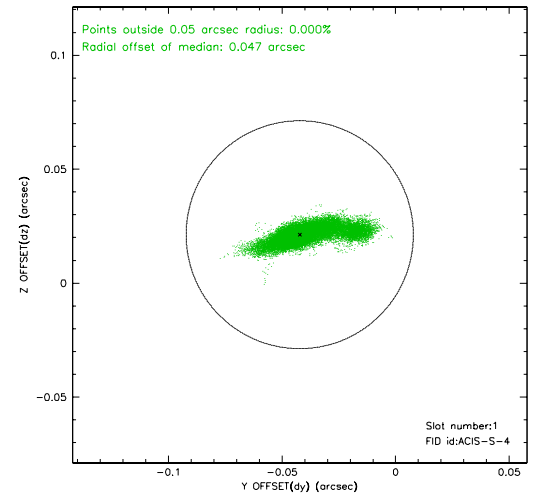
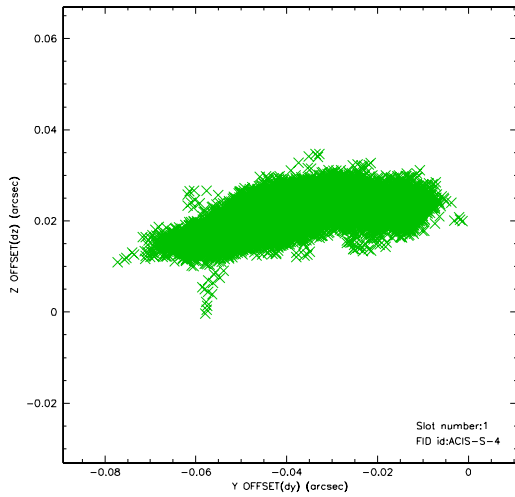


2.5 FID Slots

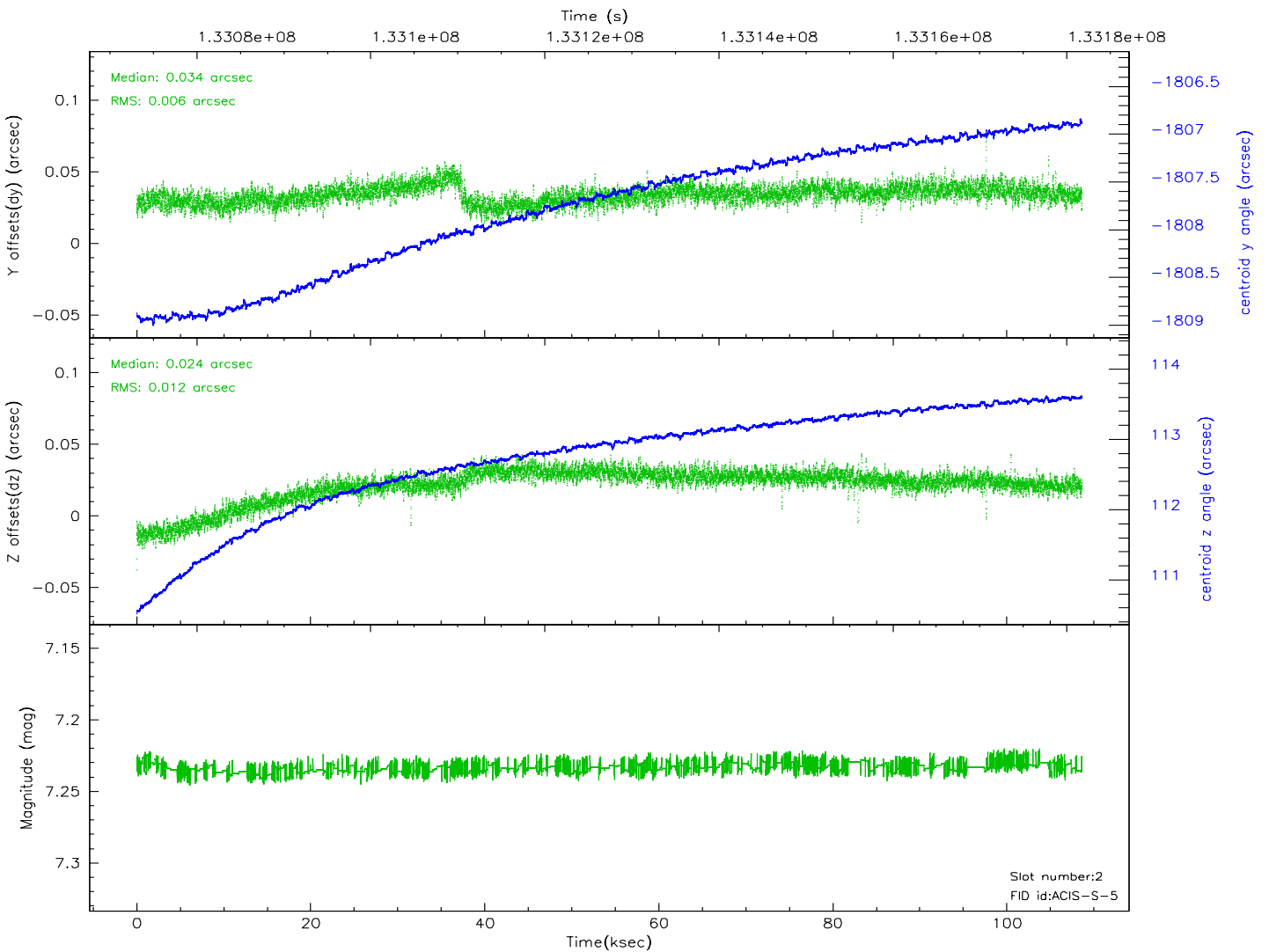
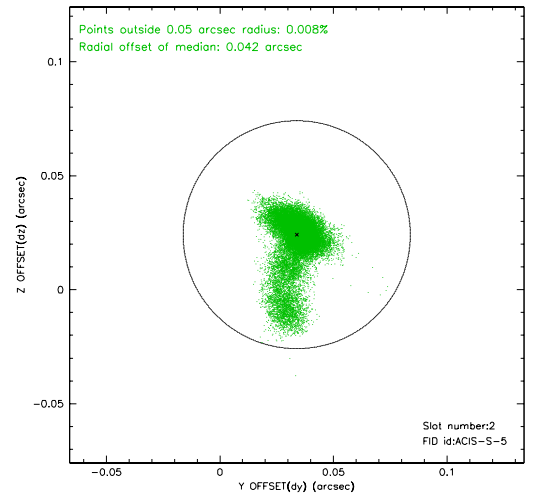
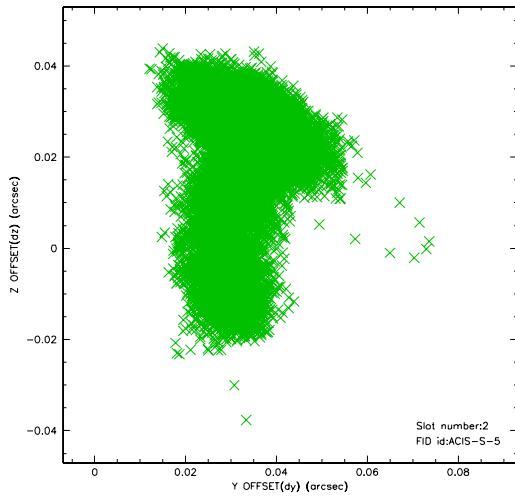
2.5.1 Slot 0



2.5.2 Slot 1

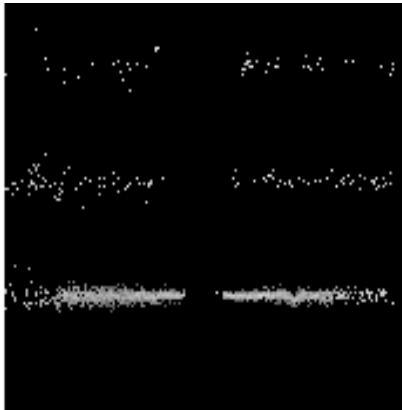


2.5.3 Slot 2

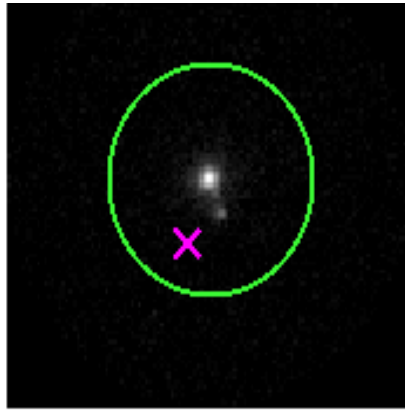


3 Gratings

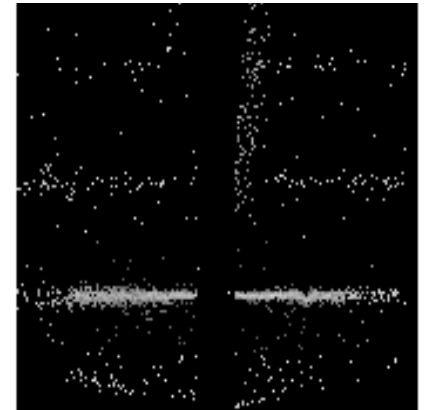
3.1 HEG Arm



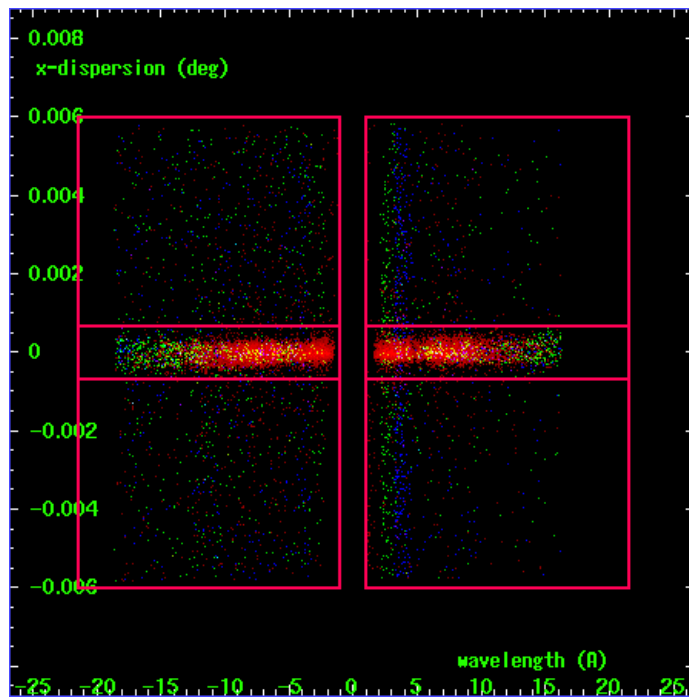
HEG Order Sort 123



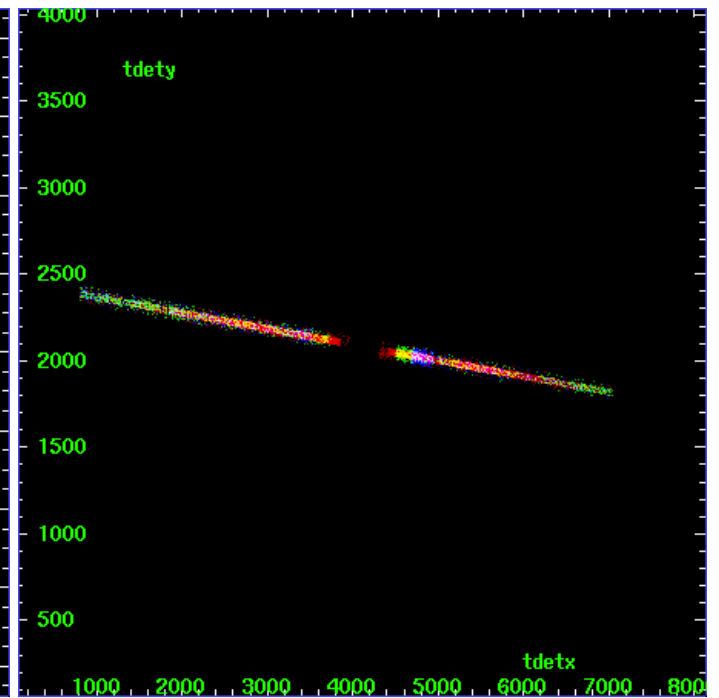
HEG Zero Order



HEG Order Sort ALL

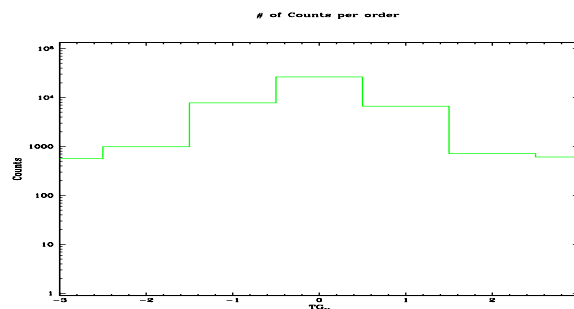


Spot Image HEG

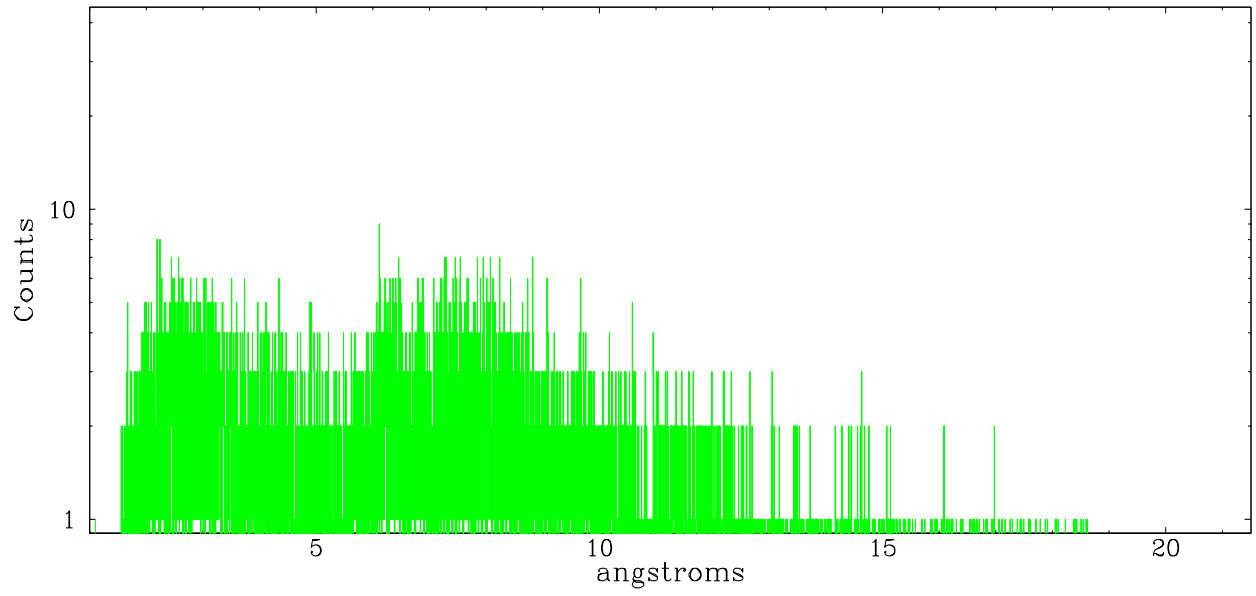


Full Detector HEG

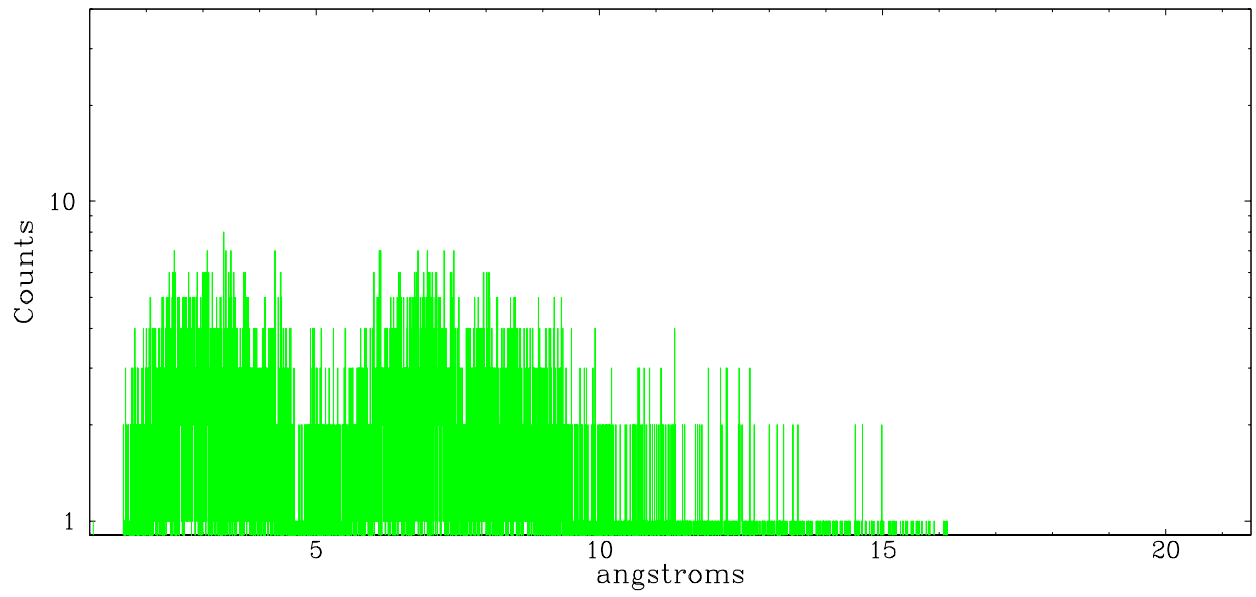
	order -3	order -2	order -1	order 0	order 1	order 2	order 3
Events	565	993	7756	26427	6646	713	609



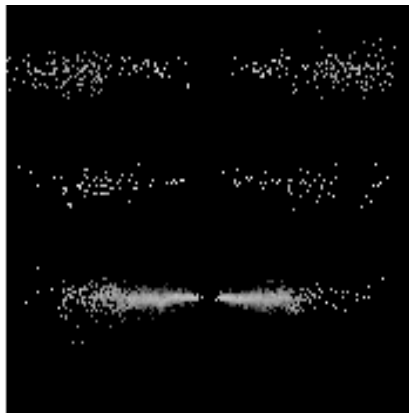
heg order -1



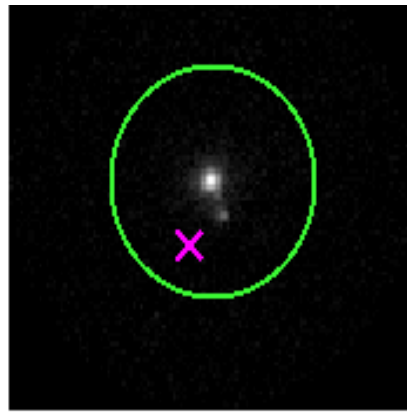
heg order +1



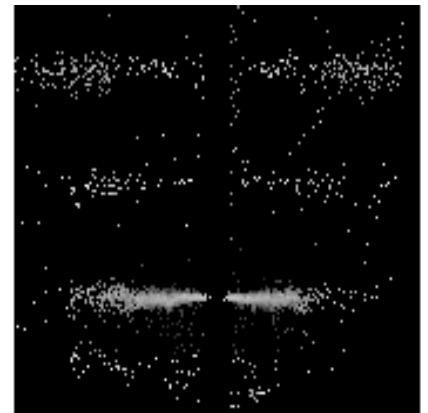
3.2 MEG Arm



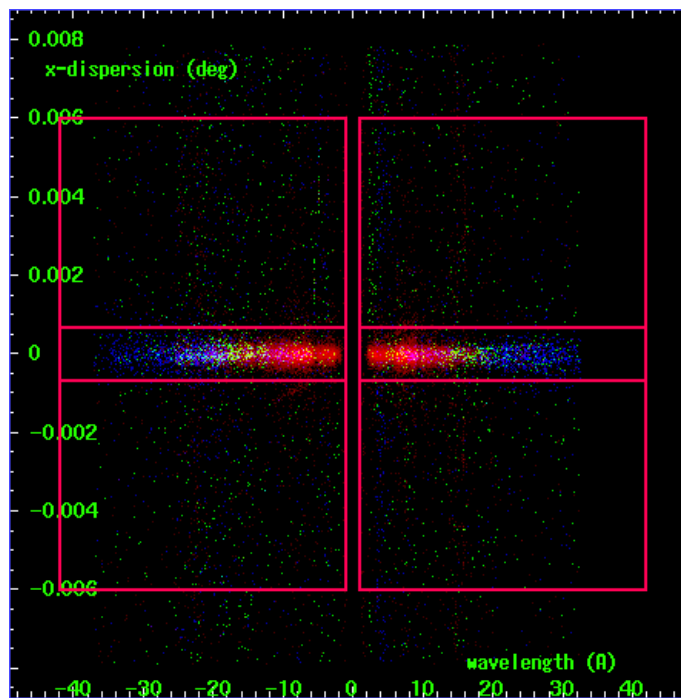
MEG Order Sort 123



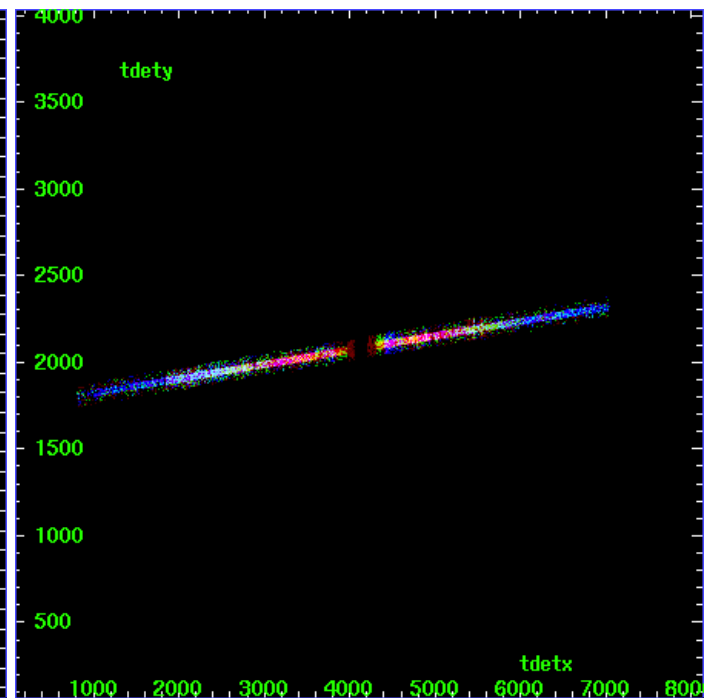
MEG Zero Order



MEG Order Sort ALL

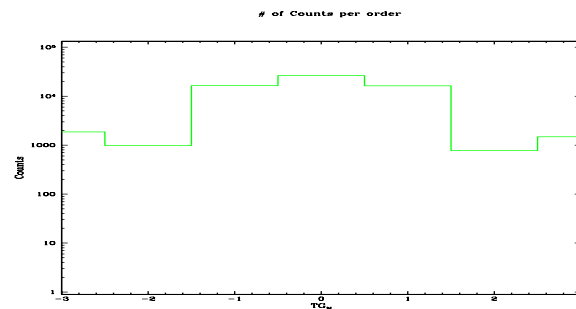


Spot Image MEG

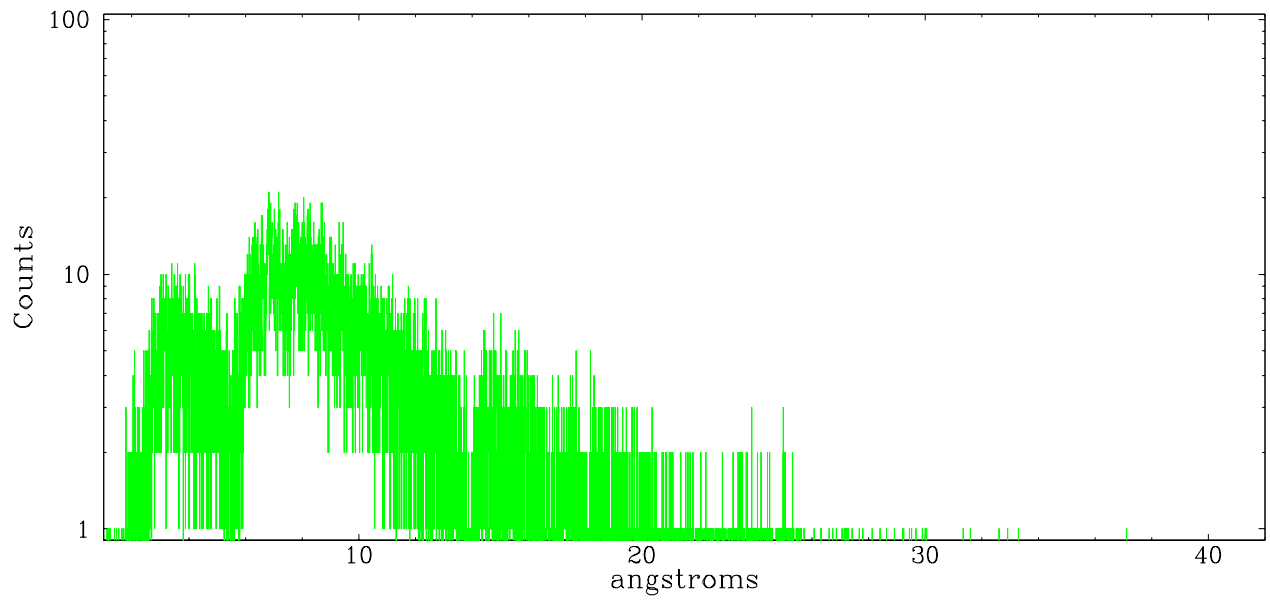


Full Detector MEG

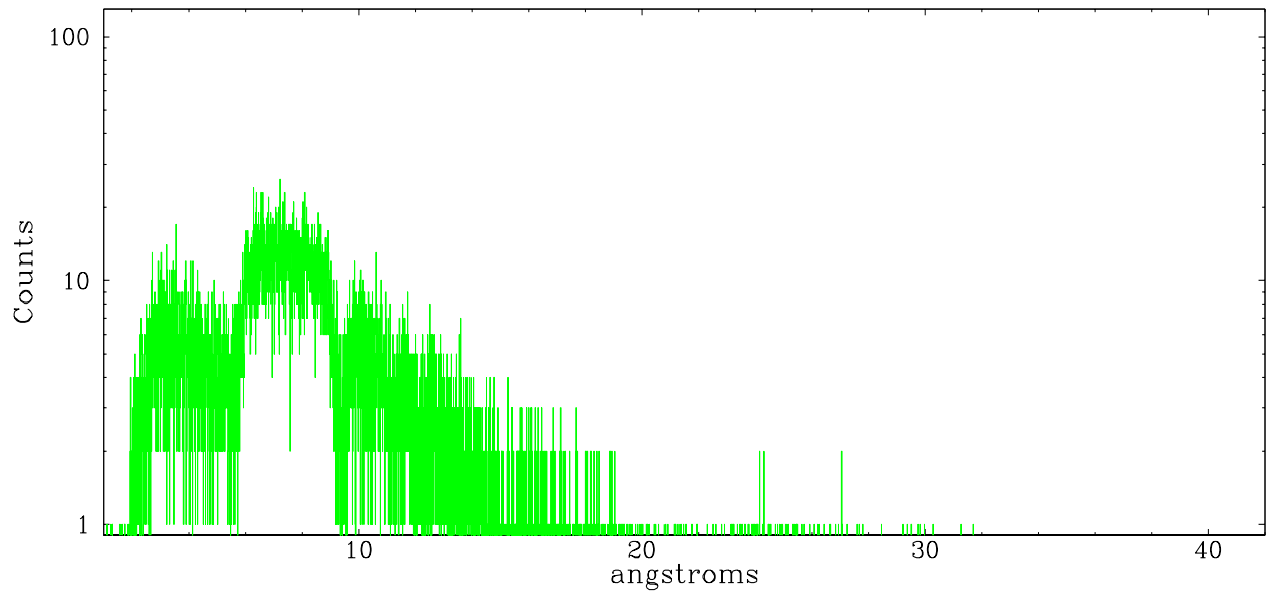
	order -3	order -2	order -1	order 0	order 1	order 2	order 3
Events	1865	979	16438	26427	16310	772	1479



meg order -1



meg order +1



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.09.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	108.24

A.2 Comments