

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7698 - L2 Version 2
Chandra X-Ray Center

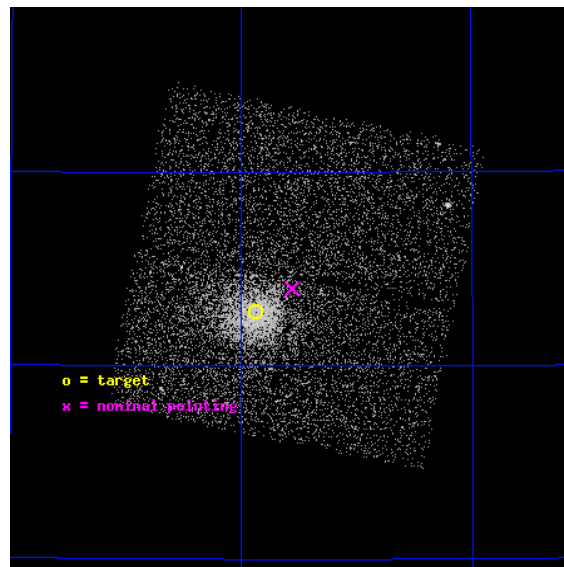
L2 Processing Date : Apr 26 2012

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1 Front

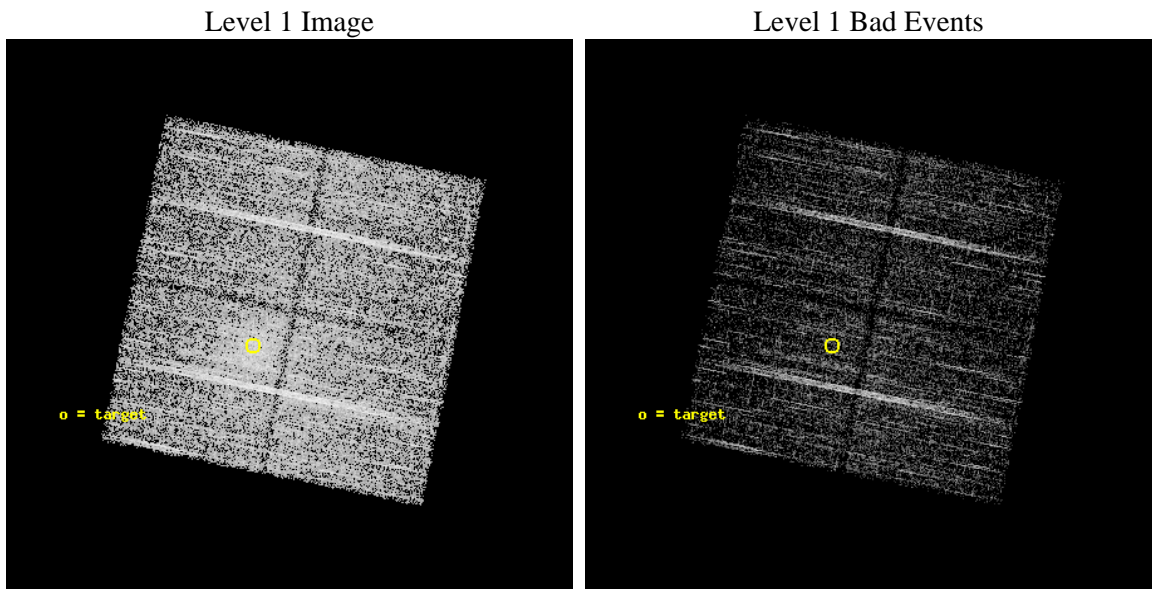
seq_num	701366	Sequence number
obs_id	7698	Observation id
title	Snapshot Survey for X-ray Outbursts in Rich Clusters of Galaxies	P
observer	Professor Gordon Garmire	Principal investigator
object	A2218	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	248.97	Observer's specified target RA [deg]
dec_targ	66.214	Observer's specified target Dec [deg]
ra_nom	248.89036900518	Nominal RA [deg]
dec_nom	66.233123498792	Nominal Dec [deg]
roll_nom	191.41177989762	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5177.0000398159	Sum of GTIs [s]
livetime	5109.3587230437	Livetime [s]
ontime0	5177.0000398159	Sum of GTIs [s]
ontime1	5177.0000398159	Sum of GTIs [s]
ontime2	5177.0000398159	Sum of GTIs [s]
ontime3	5177.0000398159	Sum of GTIs [s]
l2events	14386	Number of level 2 events



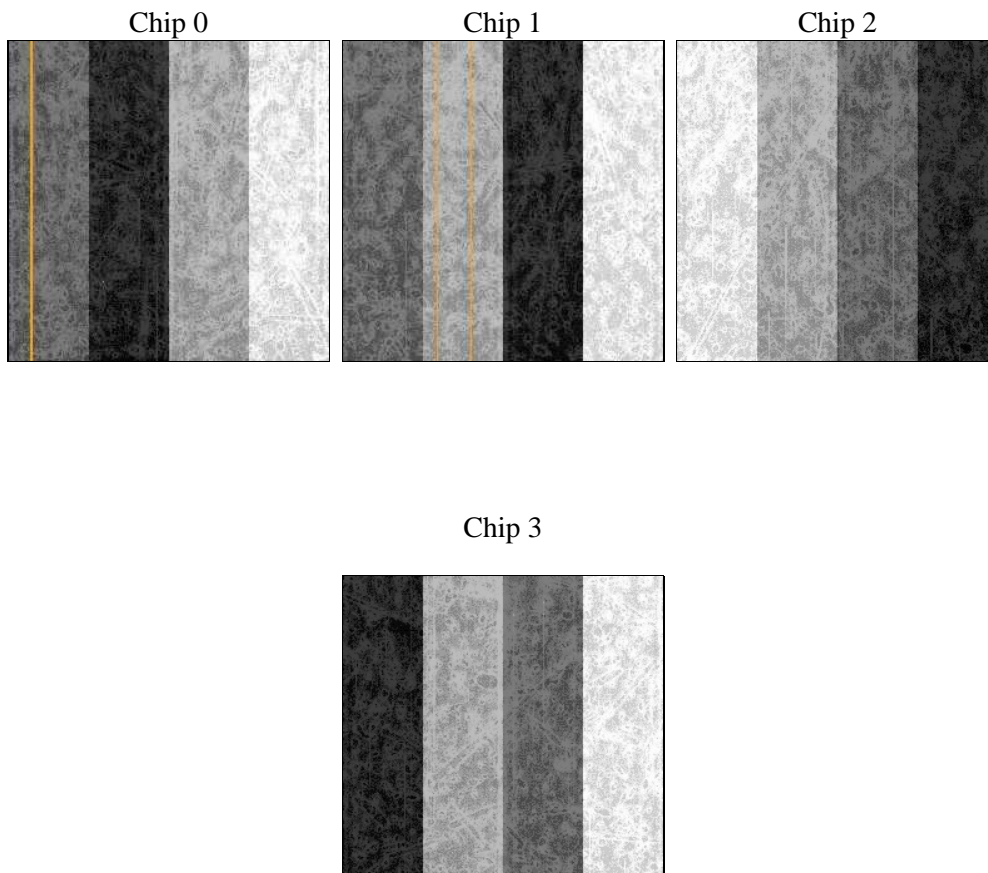
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	5177.0000398159	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	5177.0000398159	Sum of GTIs [s]
date	2012-04-26T11:40:18	Date and time of file creation	ontime1	5177.0000398159	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5177.0000398159	Sum of GTIs [s]
			ontime3	5177.0000398159	Sum of GTIs [s]
			l1events	153814	Number of level 1 events

2.1.4 Events

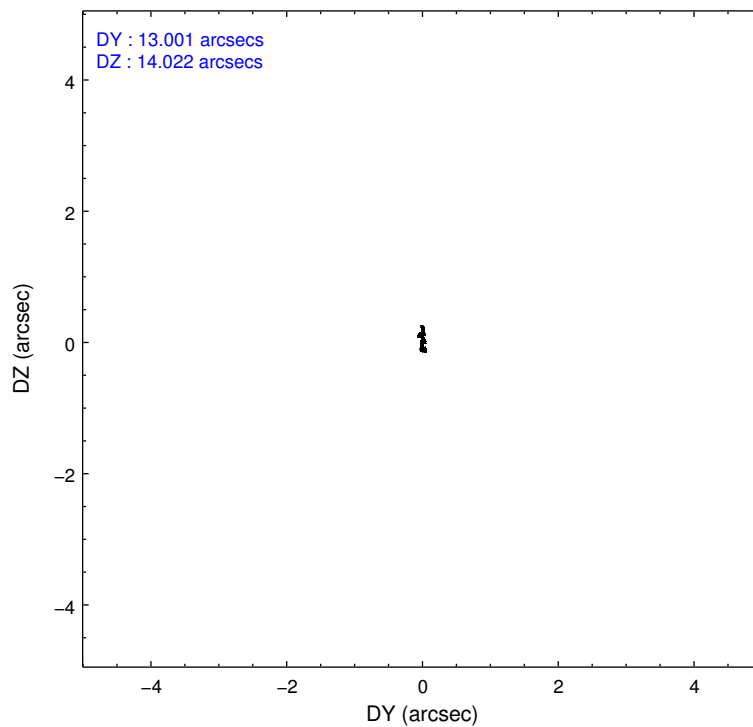
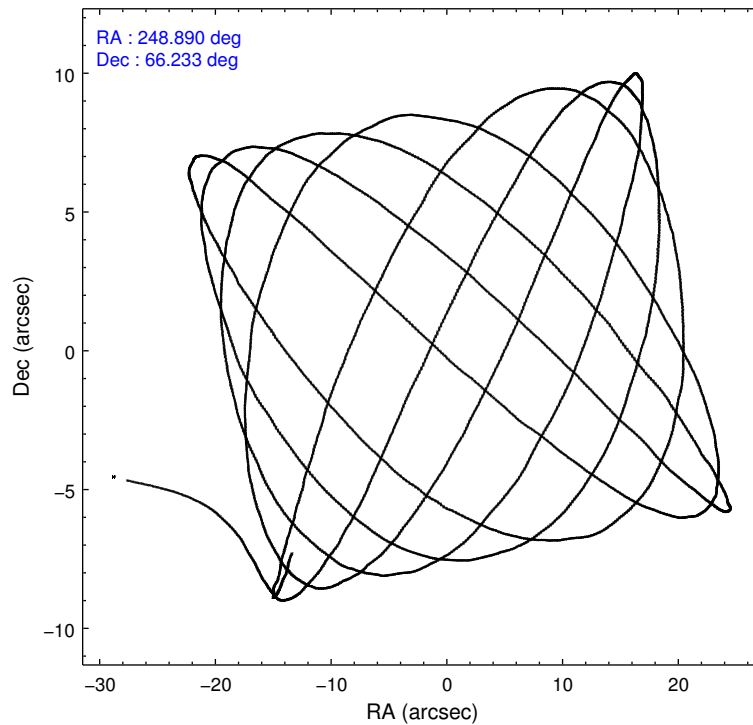
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	35498	34906	41728	41682
rejected events	32261	31525	38287	34458
rejected %	90%	90%	91%	82%

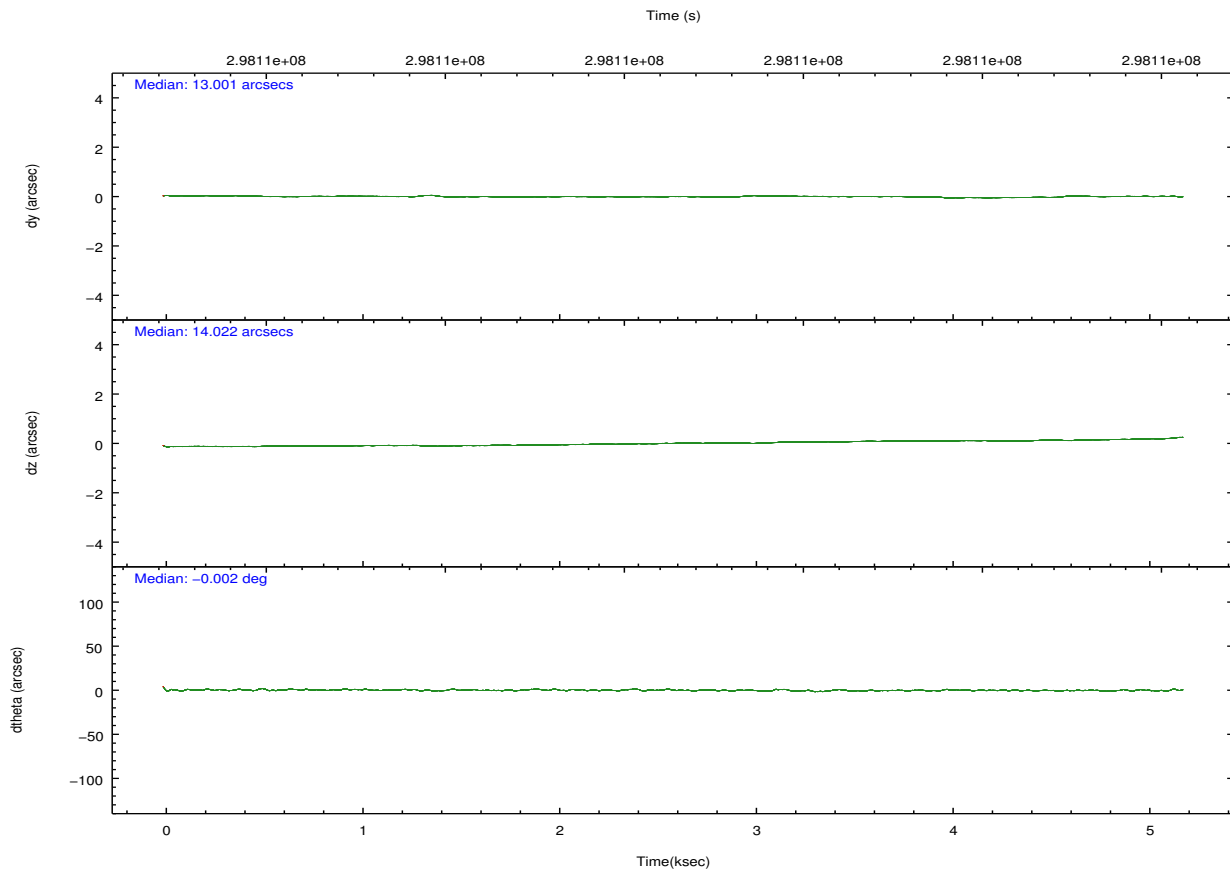
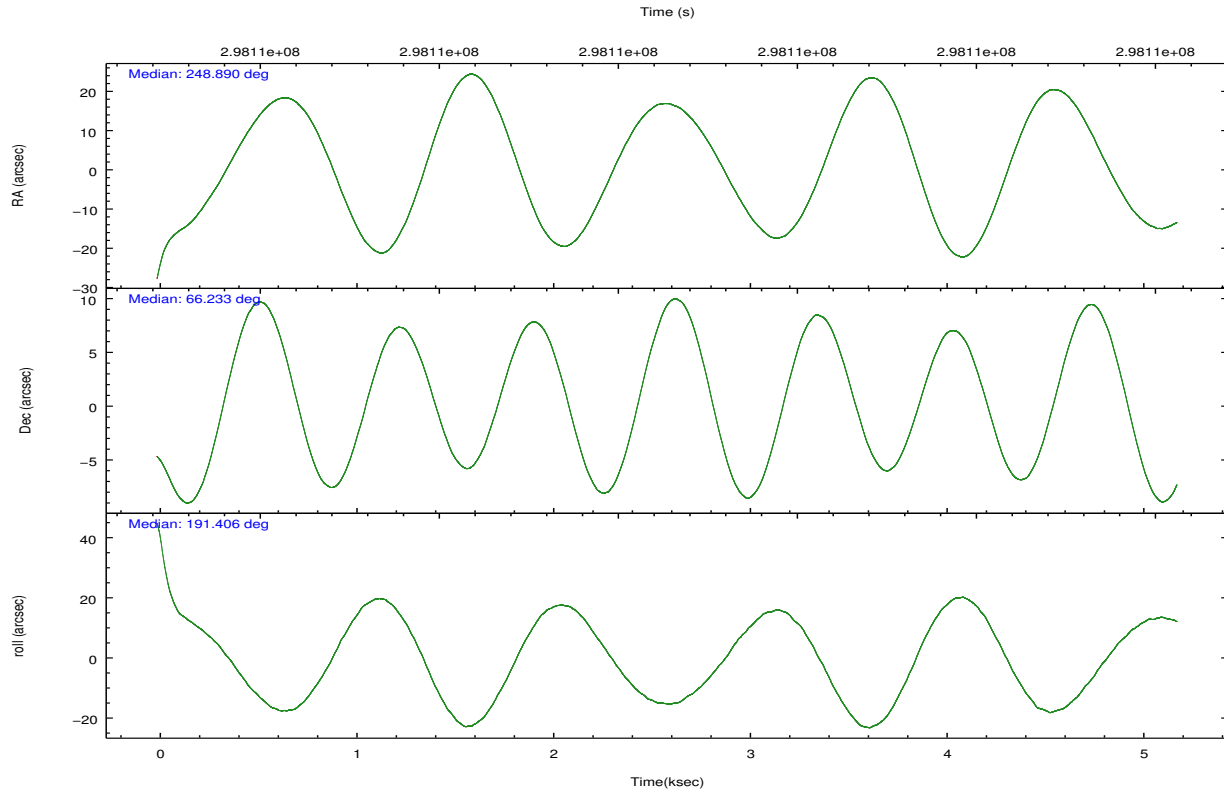
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1408	1428	1652	4967
	3%	4%	3%	11%
grade 1 events	12	16	20	41
	0%	0%	0%	0%
grade 2 events	797	815	789	1006
	2%	2%	1%	2%
grade 3 events	400	410	343	475
	1%	1%	0%	1%
grade 4 events	343	420	374	454
	0%	1%	0%	1%
grade 5 events	607	697	531	808
	1%	1%	1%	1%
grade 6 events	458	493	440	548
	1%	1%	1%	1%
grade 7 events	31473	30627	37579	33383
	88%	87%	90%	80%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	248.941549	248.8903690051764	Subarray requested	NONE	NONE
[deg] Pointing Dec	66.251498	66.23312349879241	Alternating exposures requested	N	N
[deg] Pointing Roll	191.156214	191.4117798976241	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	298107849.184000	298106792.72669			
Observation start date	2007-06-13T07:43:04	2007-06-13T07:26:32			
[s] Observation end time (MET)	298112849.184000	298113104.16449			
Observation end date	2007-06-13T09:06:24	2007-06-13T09:11:44			
Read mode	TIMED	TIMED			

2.3 Aspect



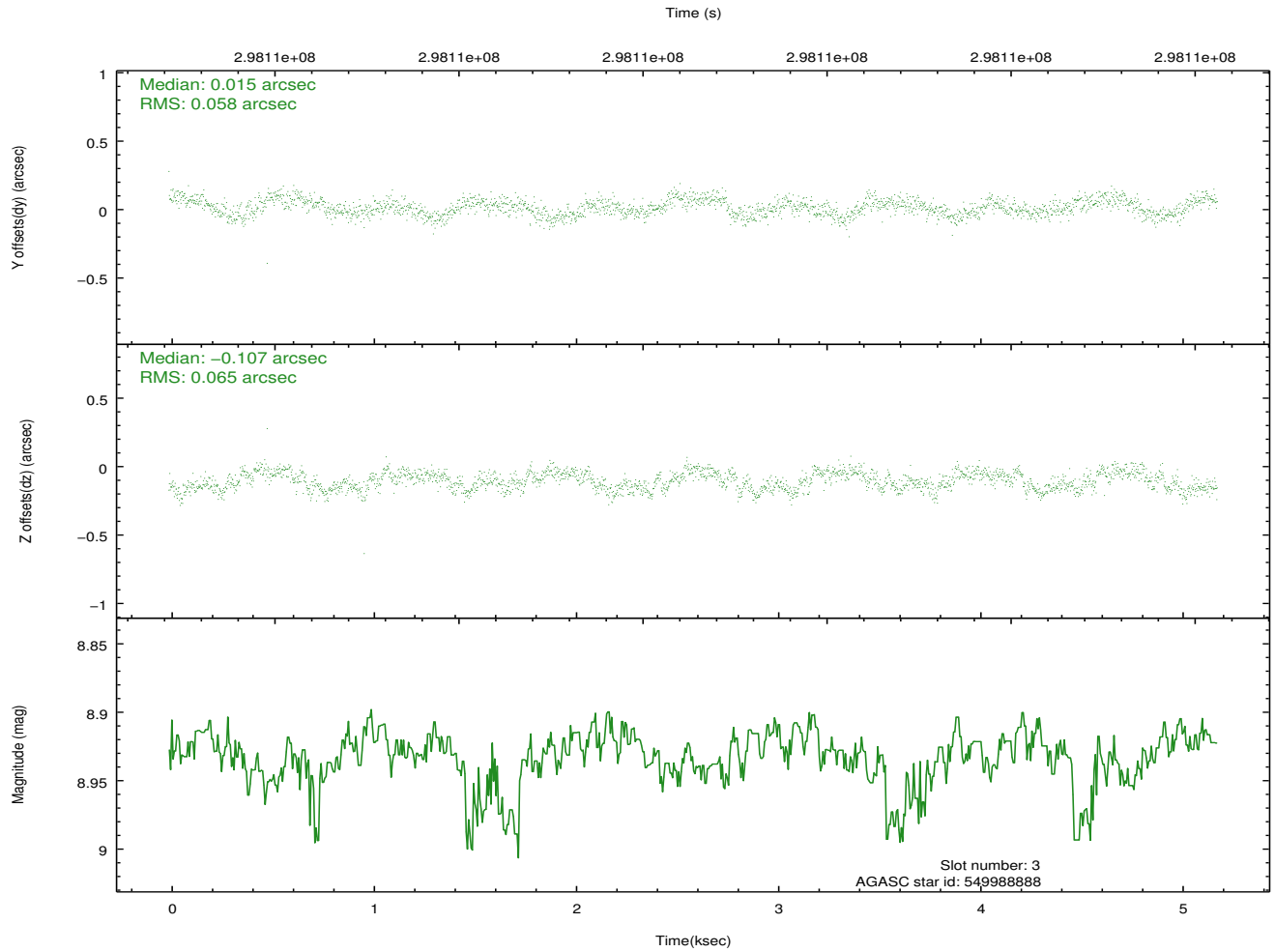
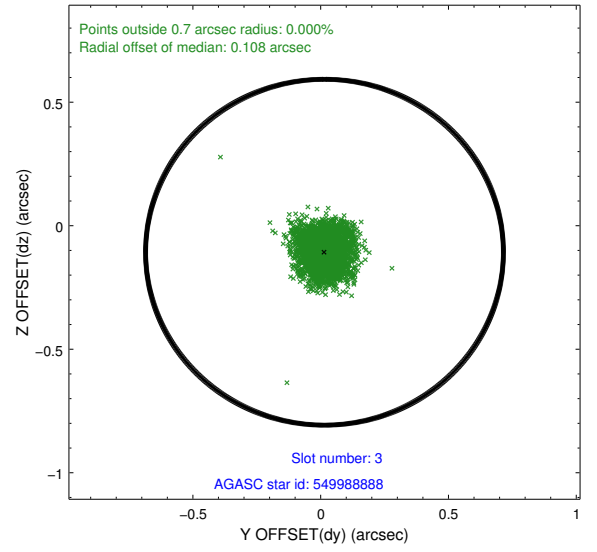
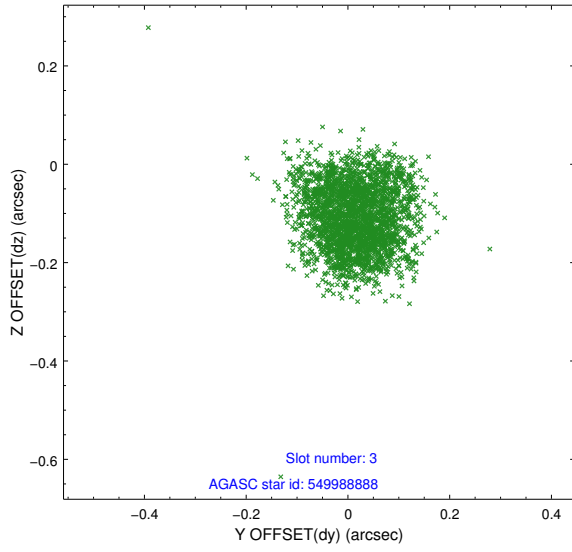


Slot Statistics

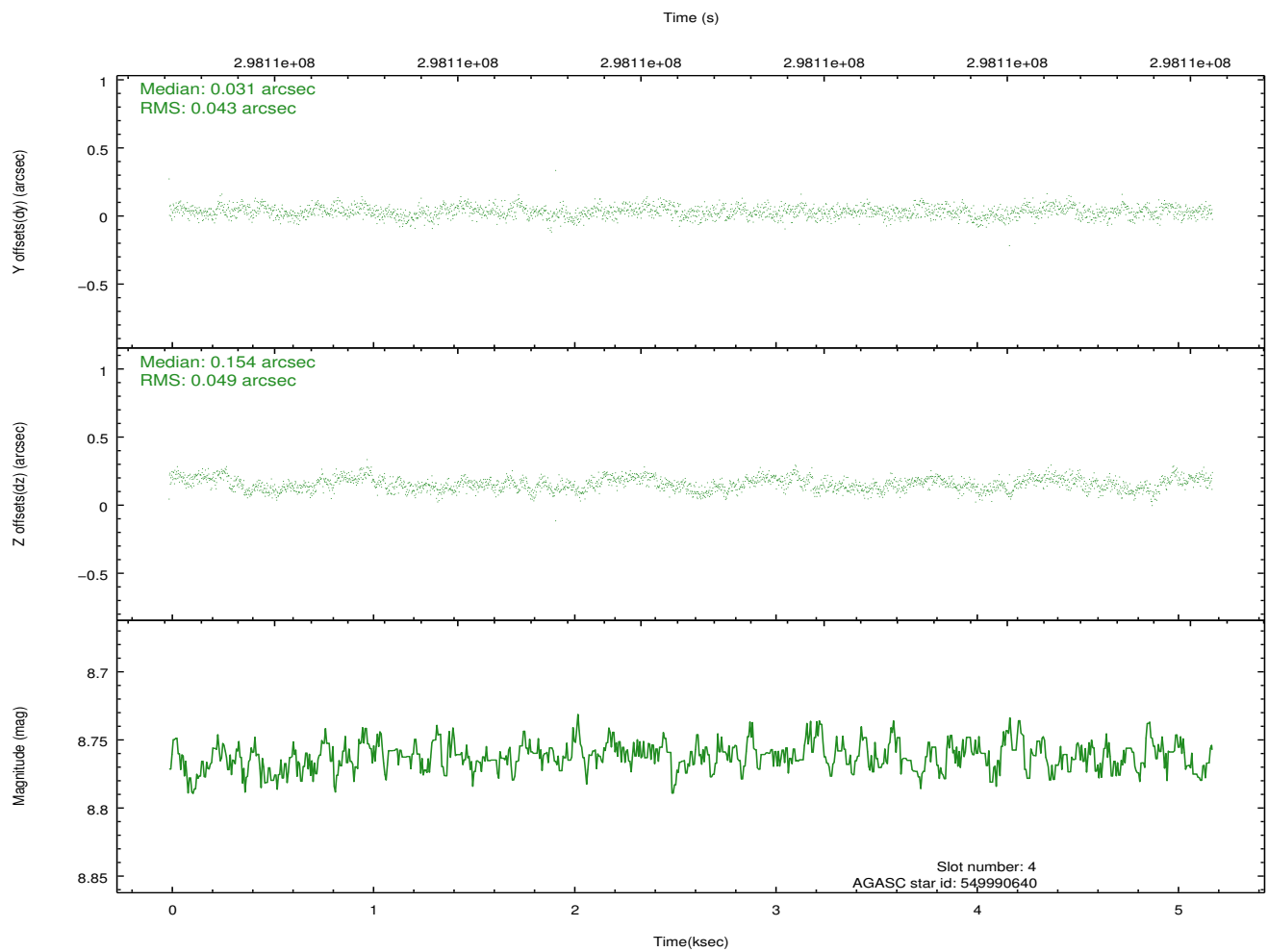
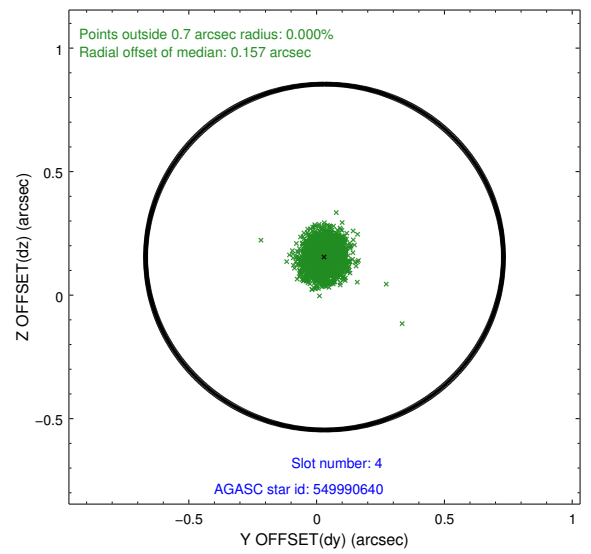
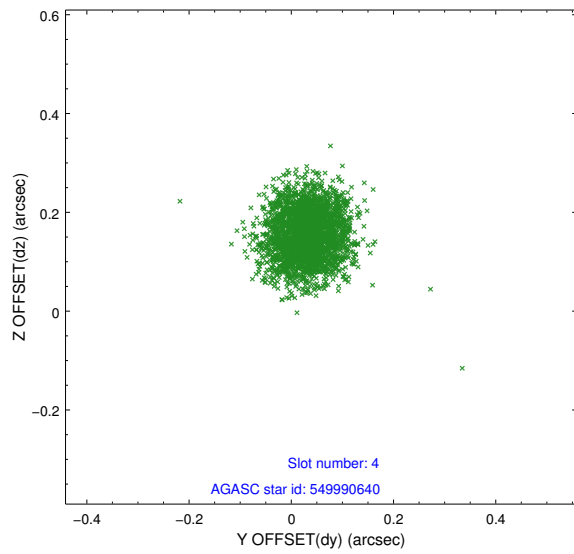
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	1264	-0.016	0.027	0.008	0.014	0.000000	0.000000	926.50	-837.58
1	FID	ACIS-I-4	7.17	1265	0.220	0.013	0.007	0.012	0.000000	0.000000	2147.43	1061.62
2	FID	ACIS-I-5	7.22	1265	-0.303	0.031	0.006	0.011	0.000000	0.000000	-1820.28	1060.84
3	GUIDE	549988888	8.93	2528	0.015	-0.107	0.093	0.141	248.449431	66.055118	841.46	551.63
4	GUIDE	549990640	8.76	2530	0.031	0.154	0.069	0.109	247.861354	66.249817	1535.29	-310.07
5	GUIDE	549992648	9.35	2527	0.029	-0.073	0.095	0.159	249.957584	65.815808	-1168.27	1816.44
6	GUIDE	549997304	9.35	2530	0.075	0.090	0.094	0.149	248.020872	65.553765	1829.29	2189.24
7	GUIDE	549979432	8.03	2529	-0.149	-0.059	0.060	0.102	250.249808	66.959441	-2304.62	-2162.41

2.4 Star Slots

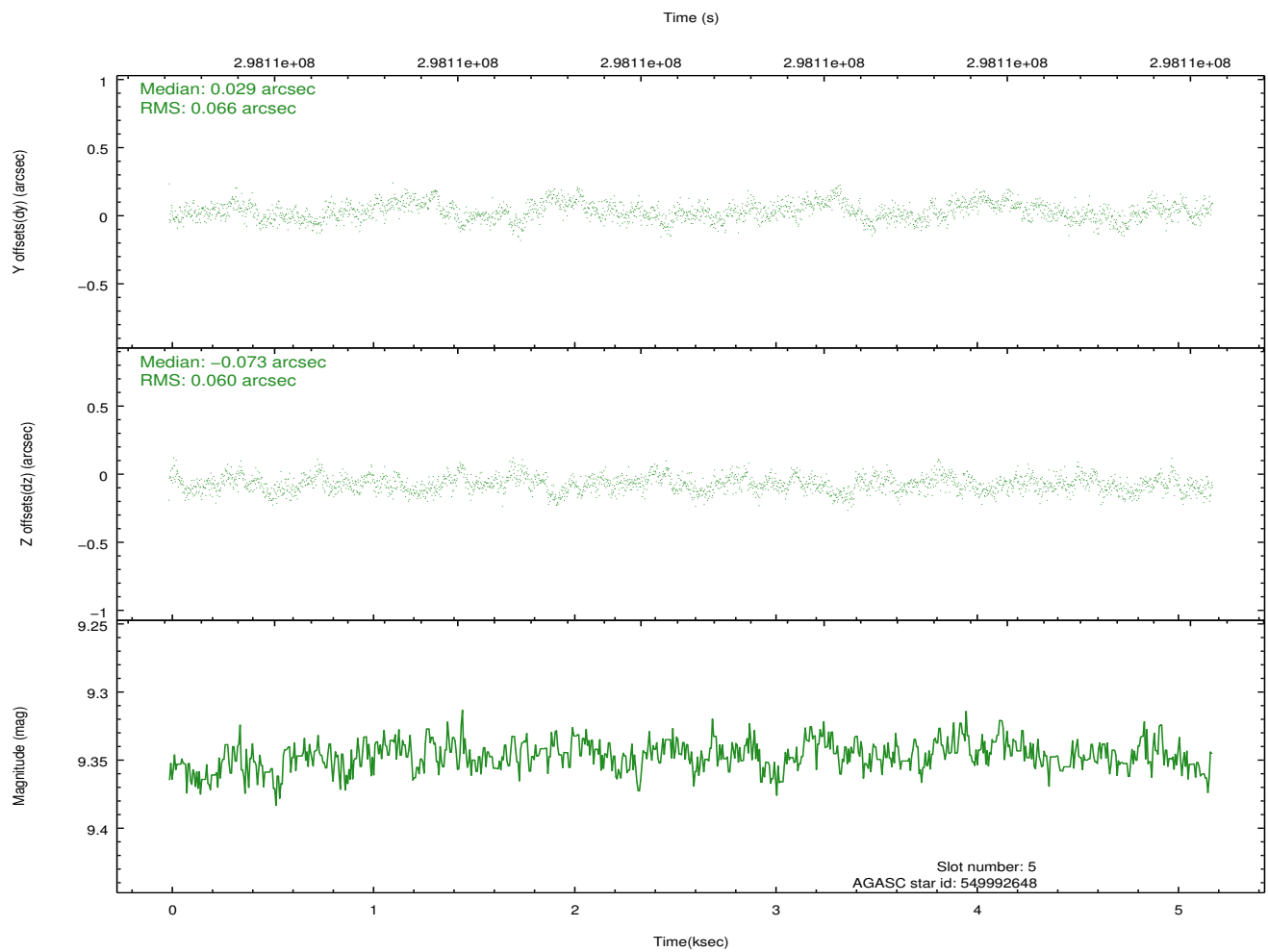
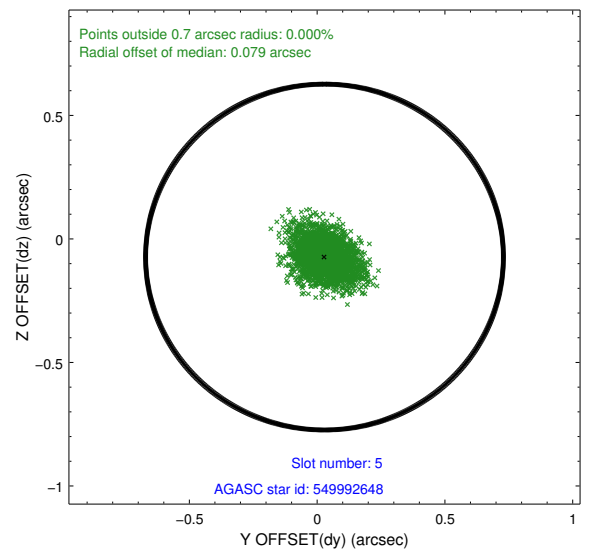
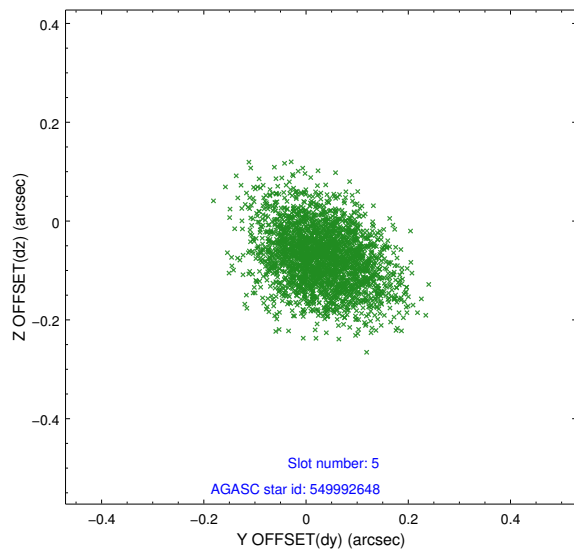
2.4.1 Slot 3



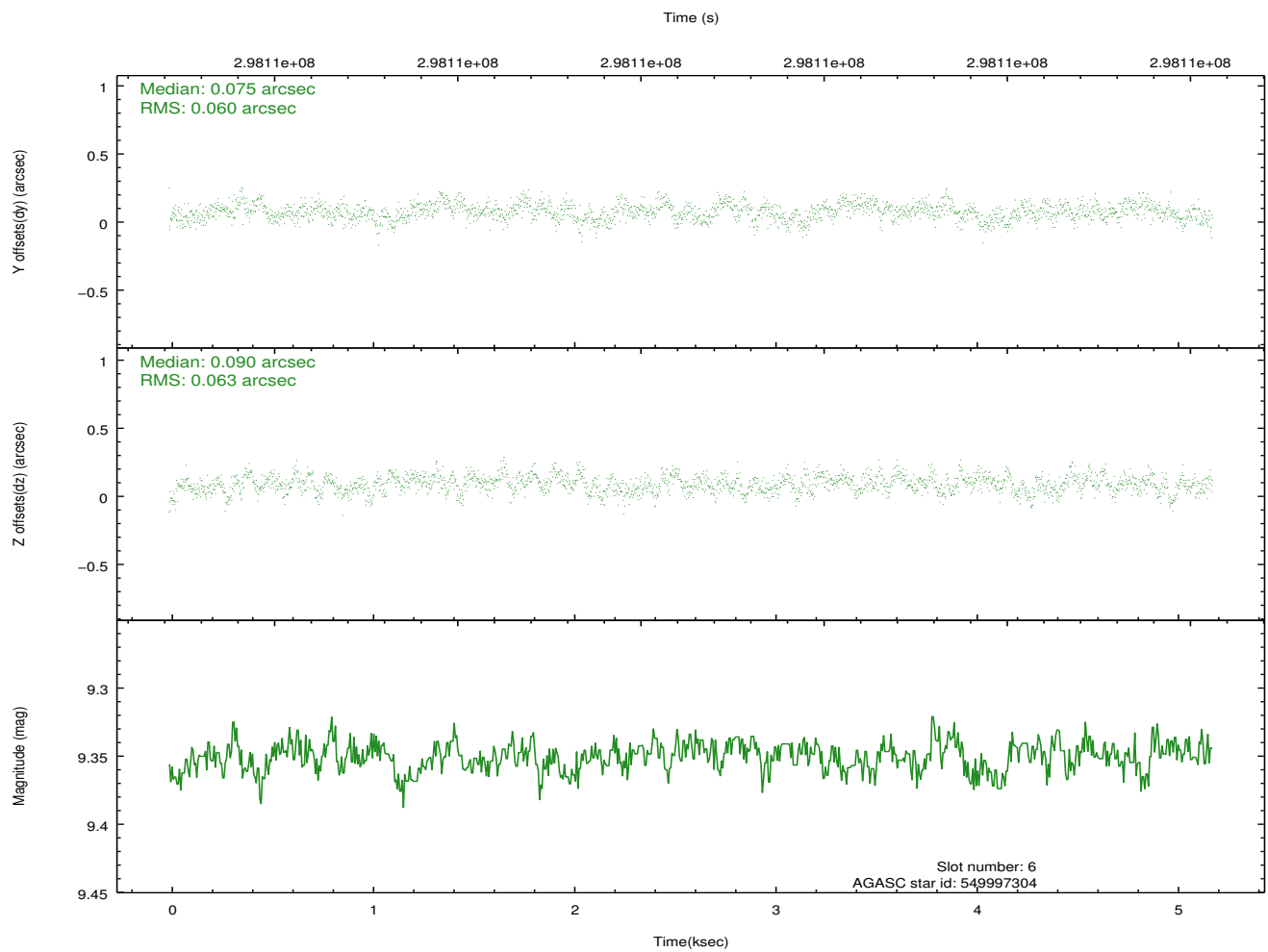
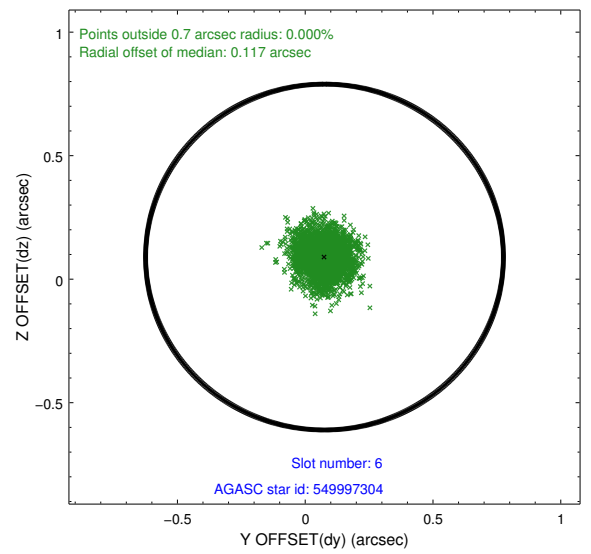
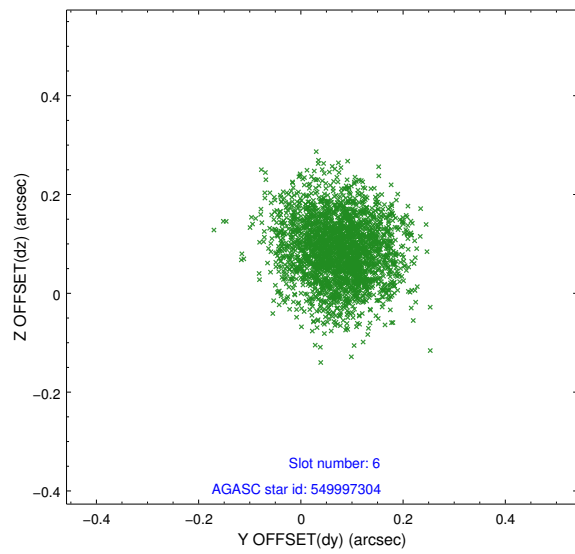
2.4.2 Slot 4



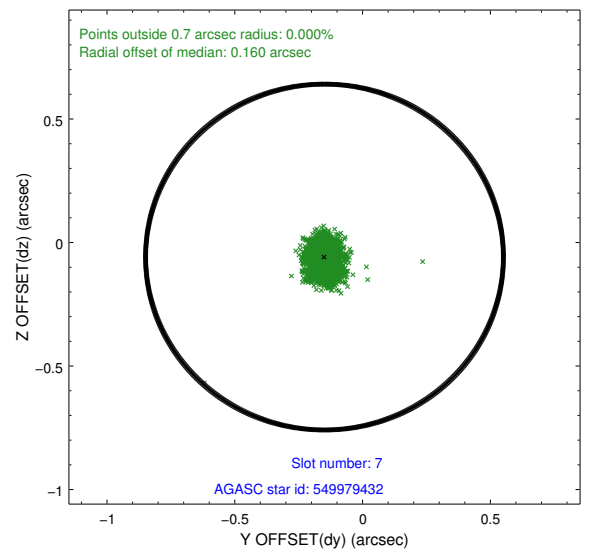
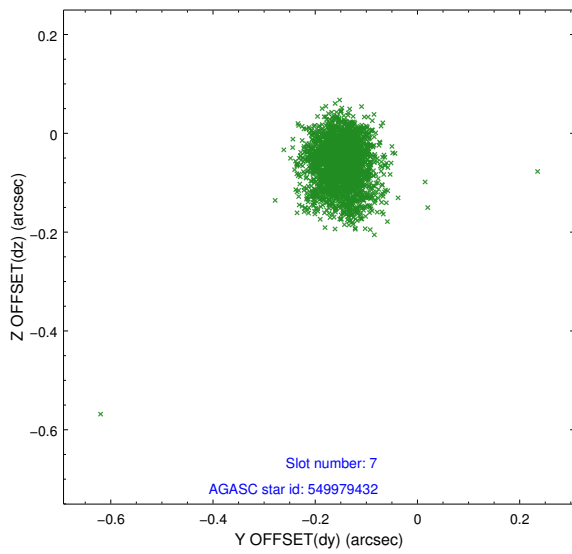
2.4.3 Slot 5



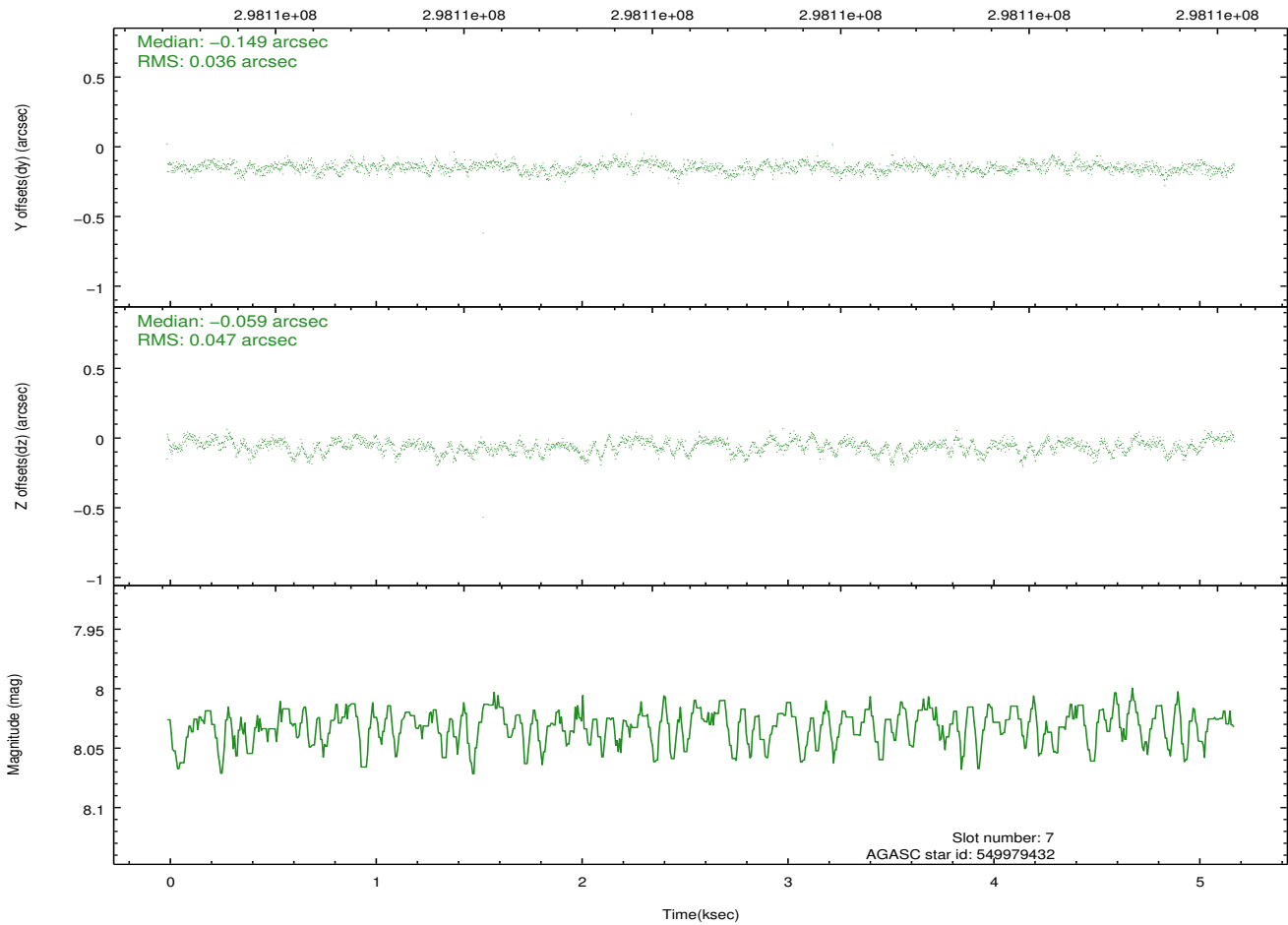
2.4.4 Slot 6



2.4.5 Slot 7

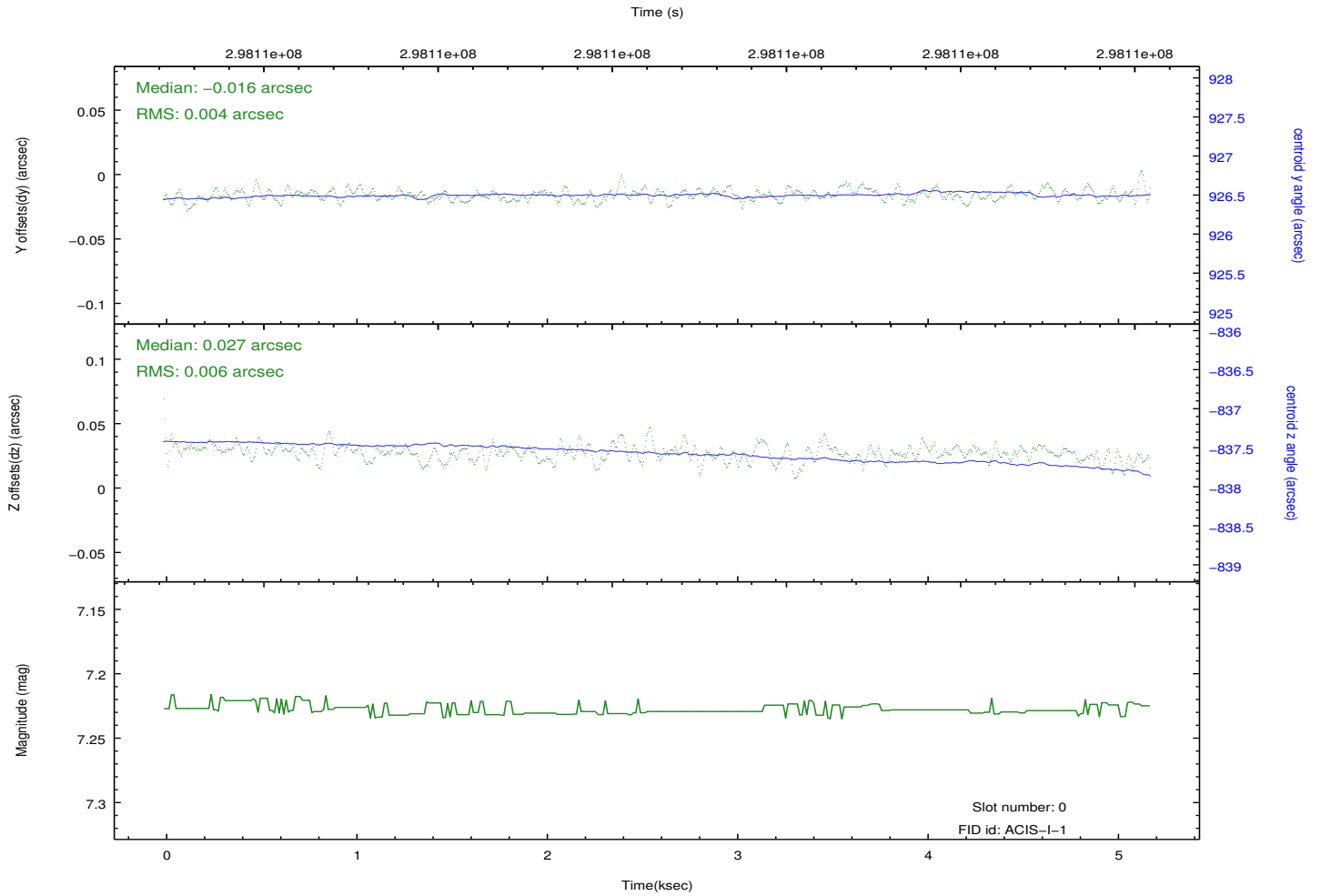
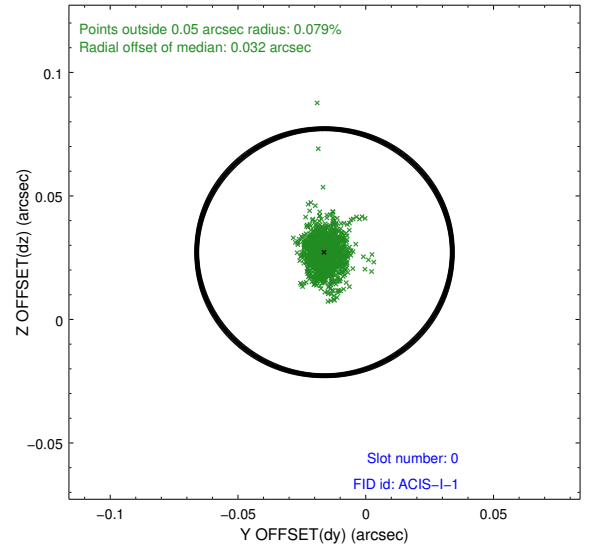
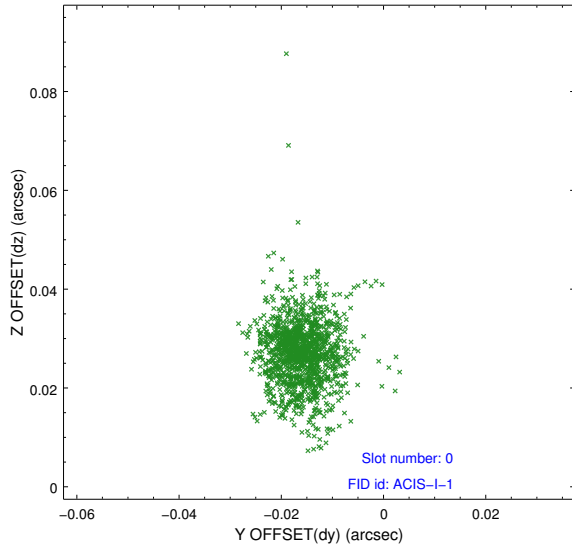


Time (s)

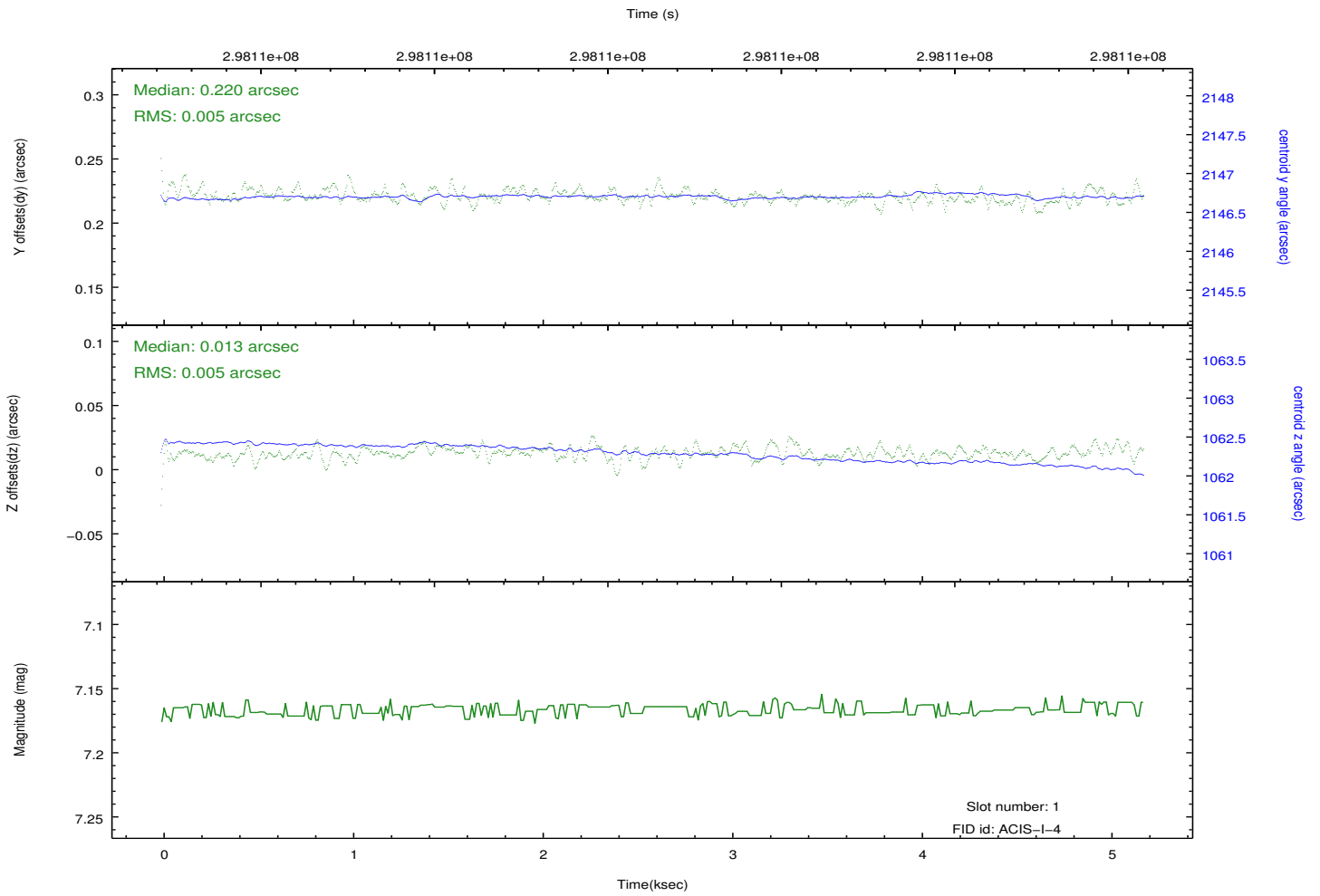
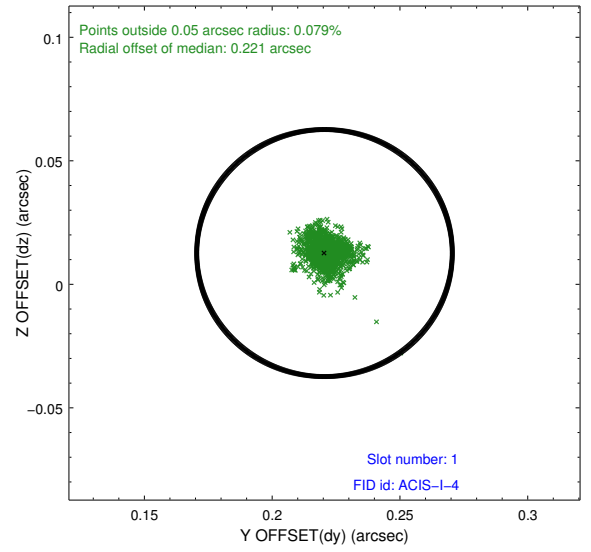
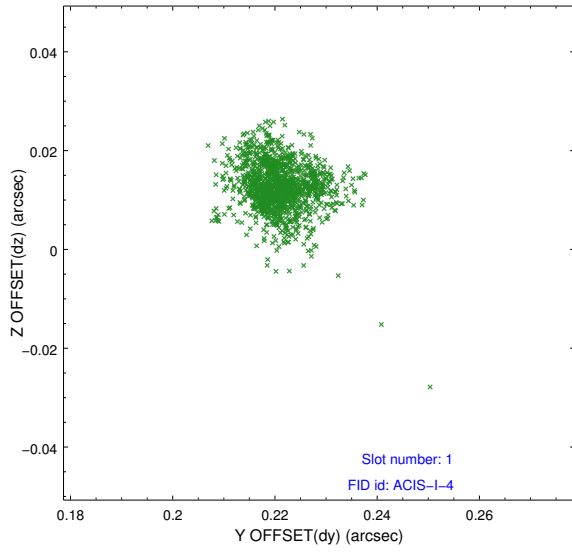


2.5 FID Slots

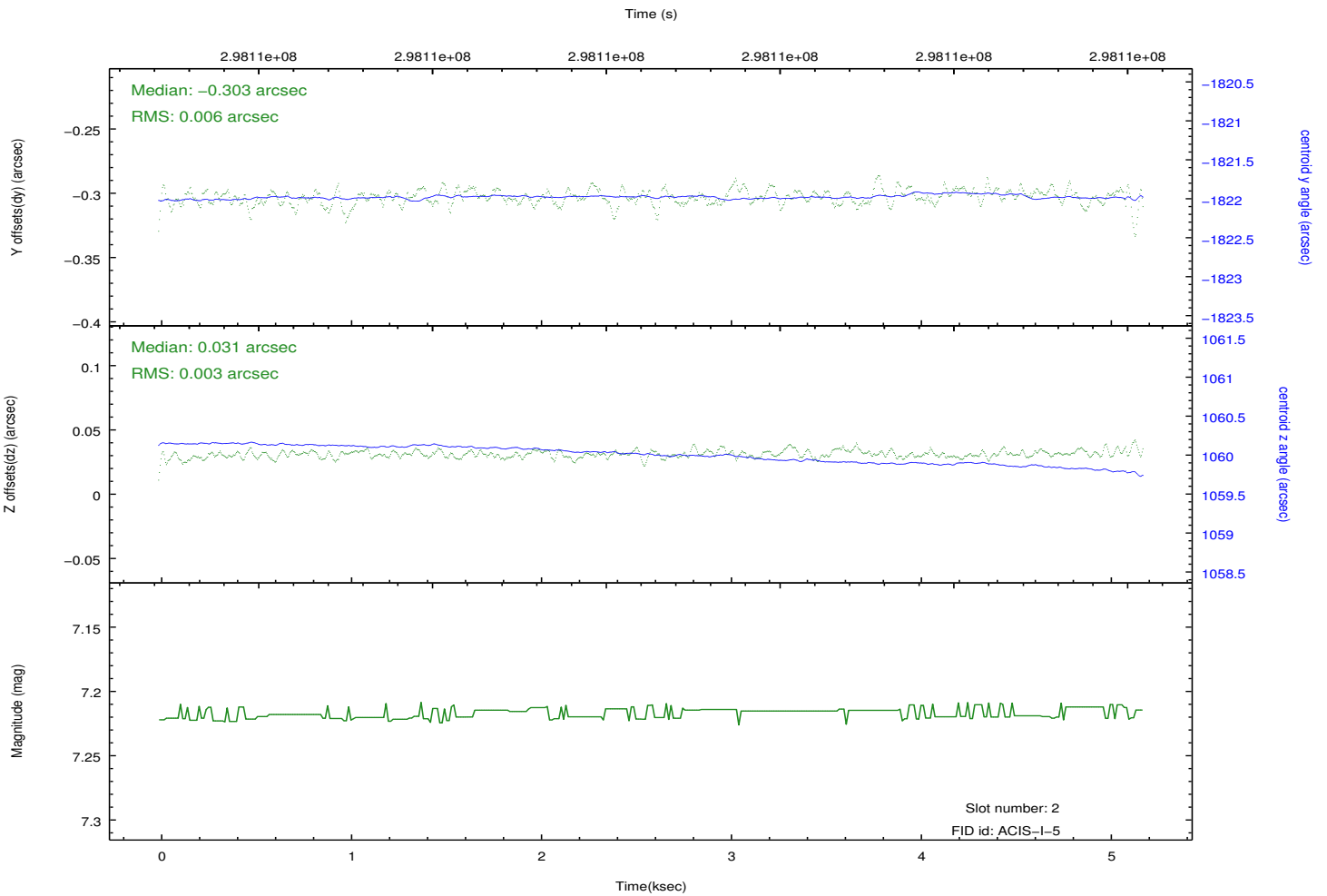
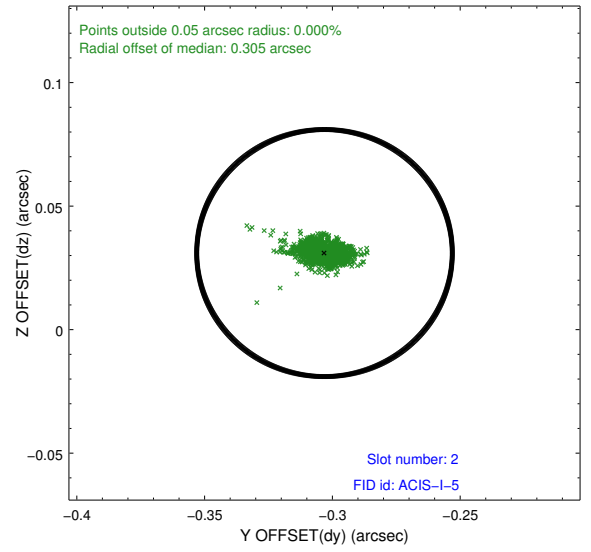
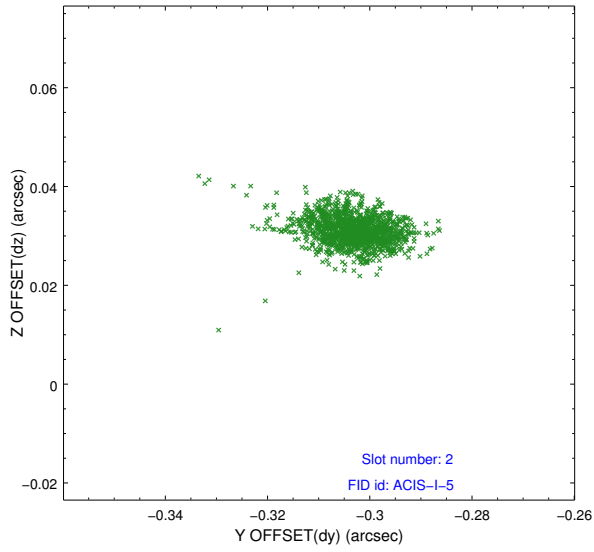
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.04.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.17700003

A.2 Comments