

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 13889 - L2 Version 1
Chandra X-Ray Center

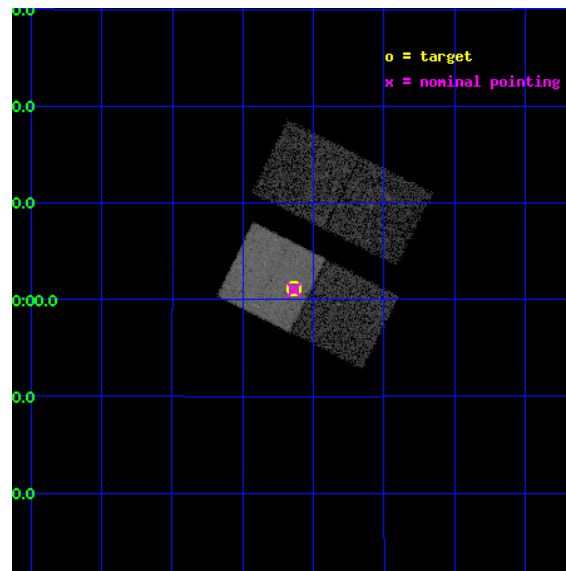
L2 Processing Date : Aug 9 2012

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1 Front

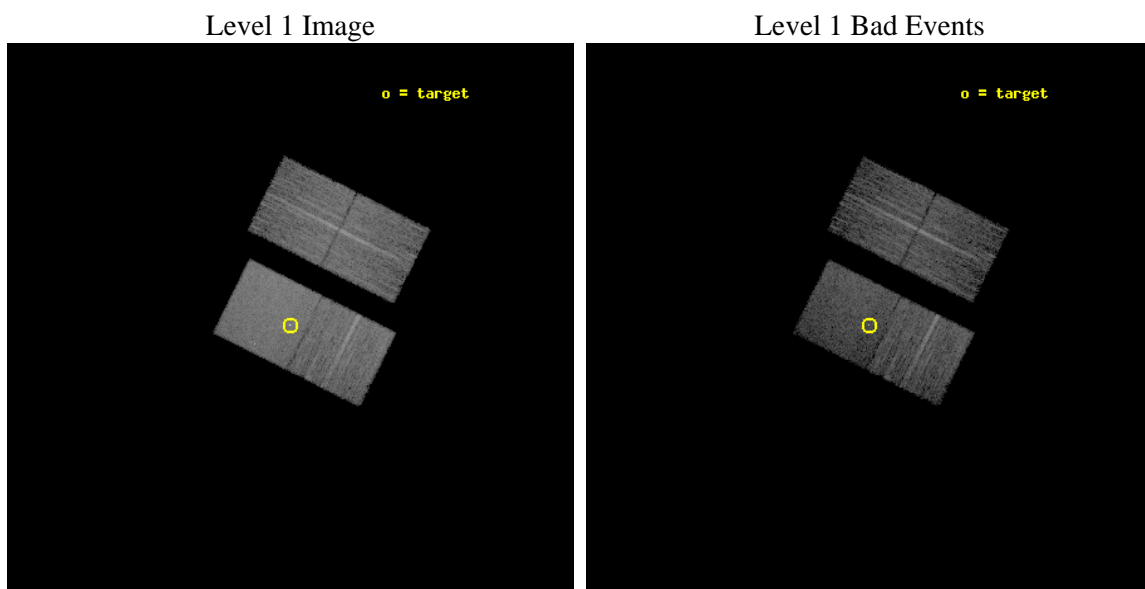
seq_num	702614	Sequence number
obs_id	13889	Observation id
title	Extending the Chandra 3C Snapshot Survey: Radio Galaxies with 0.3	Proposal title
observer	Dr. Francesco Massaro	Principal investigator
object	3c411	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	305.535	Observer's specified target RA [deg]
dec_targ	10.02	Observer's specified target Dec [deg]
ra_nom	305.53470465195	Nominal RA [deg]
dec_nom	10.016976097689	Nominal Dec [deg]
roll_nom	206.48998301725	Nominal Roll [deg]
revision	1	Processing version of data
ontime	12077.600092888	Sum of GTIs [s]
livetime	11919.797356274	Livetime [s]
ontime2	12077.600092888	Sum of GTIs [s]
ontime3	12077.600092888	Sum of GTIs [s]
ontime6	12074.459082603	Sum of GTIs [s]
ontime7	12077.600092888	Sum of GTIs [s]
l2events	55665	Number of level 2 events



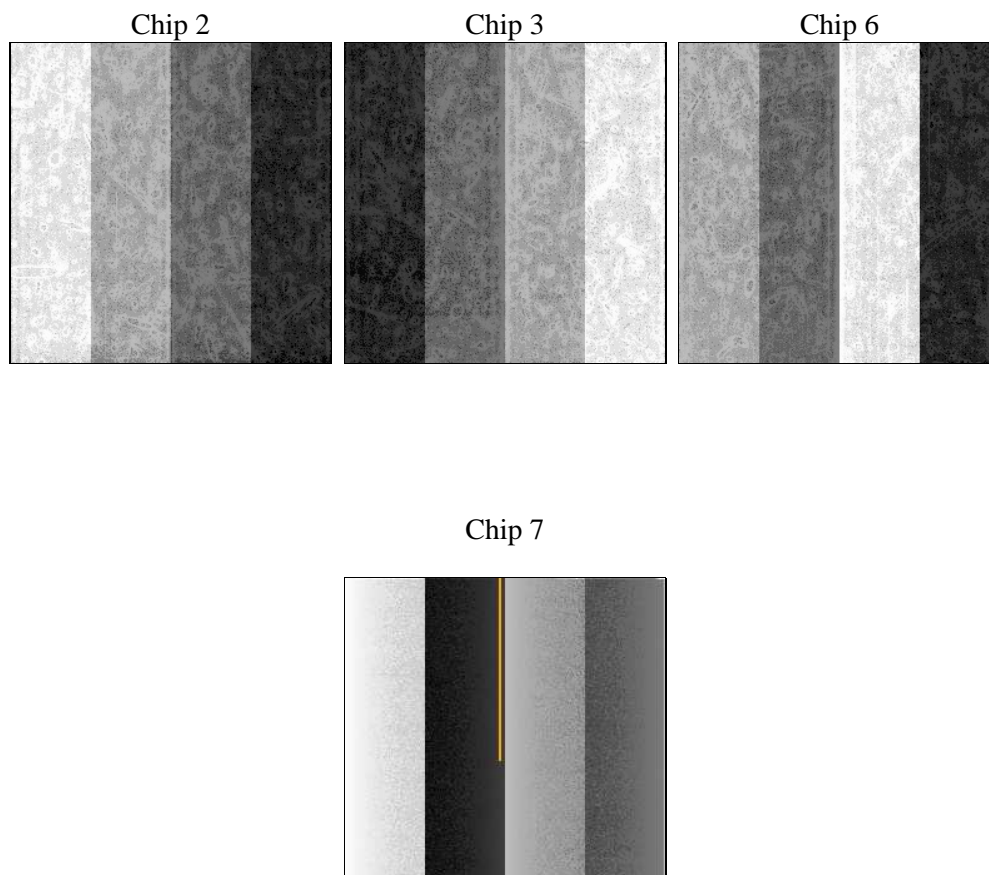
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	12000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	12077.600092888	Sum of GTIs [s]
caldsver	4.5.1	 	ontime2	12077.600092888	Sum of GTIs [s]
date	2012-08-08T22:32:56	Date and time of file creation	ontime3	12077.600092888	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	12074.459082603	Sum of GTIs [s]
			ontime7	12077.600092888	Sum of GTIs [s]
			l1events	263529	Number of level 1 events

2.1.4 Events

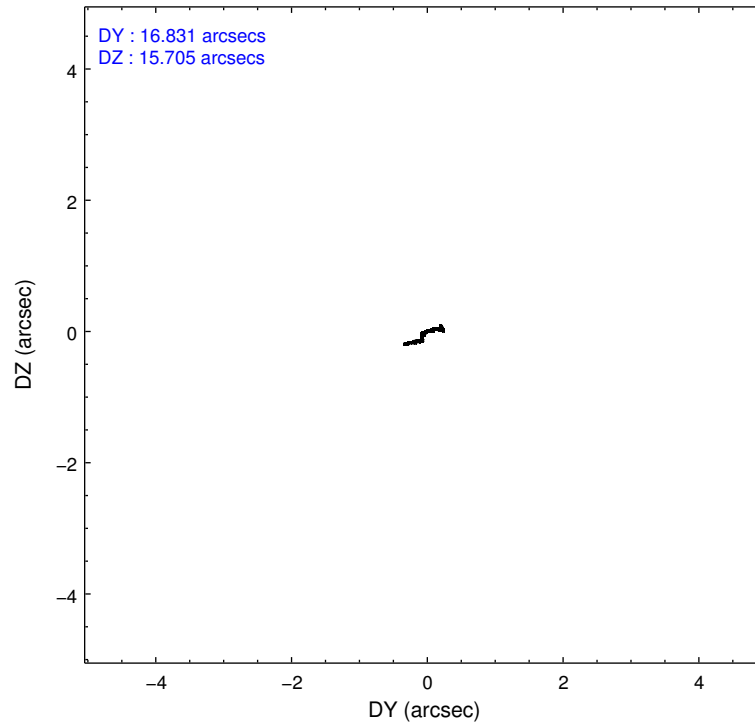
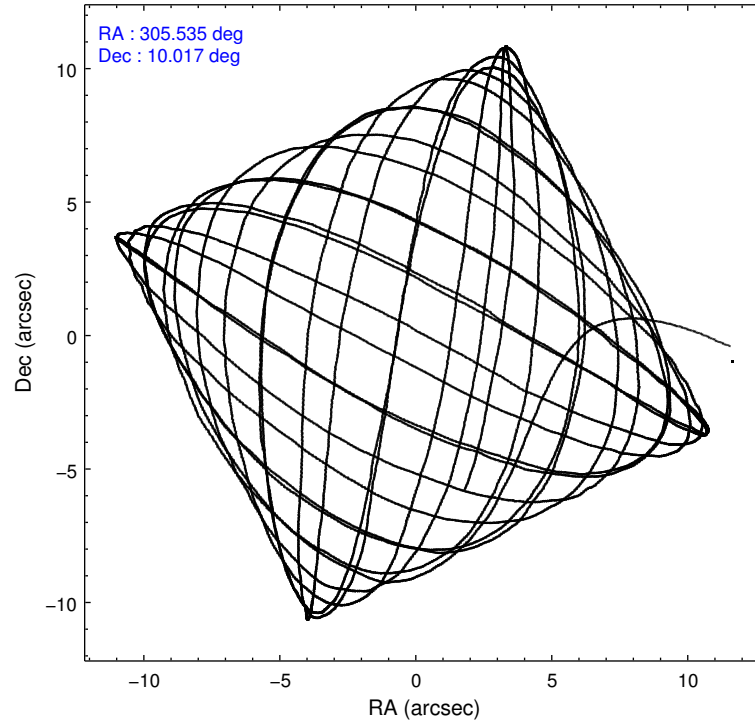
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	57942	57886	63789	83912
rejected events	51115	51205	56366	45521
rejected %	88%	88%	88%	54%

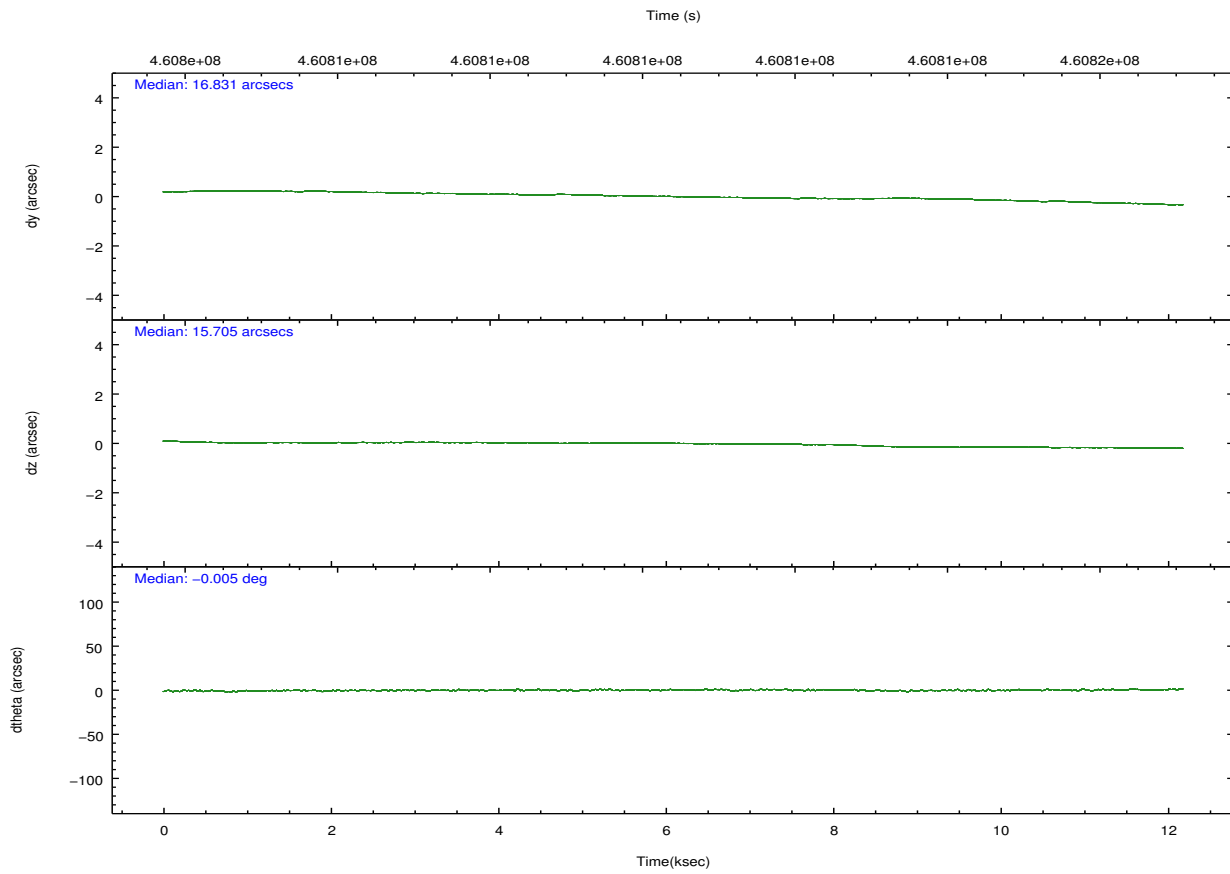
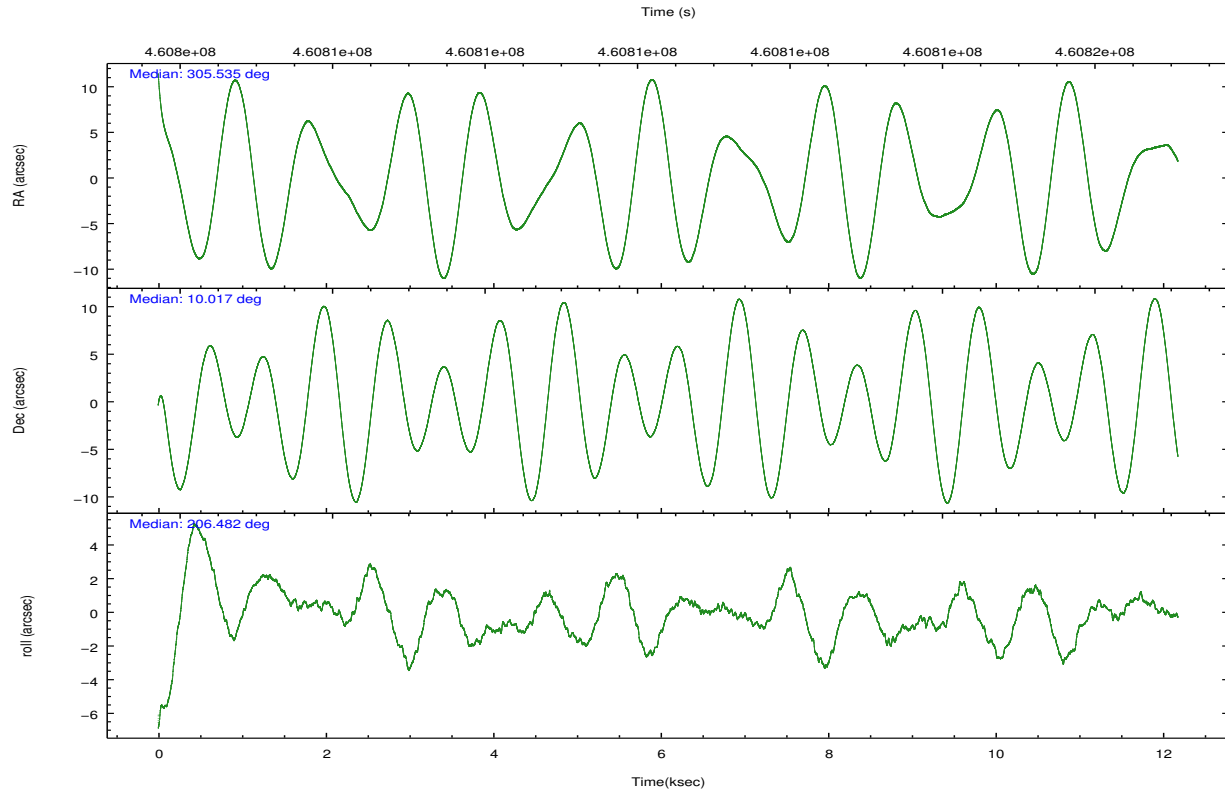
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2439	2419	2488	3813
	4%	4%	3%	4%
grade 1 events	37	28	23	126
	0%	0%	0%	0%
grade 2 events	1601	1433	1737	8111
	2%	2%	2%	9%
grade 3 events	708	719	747	3180
	1%	1%	1%	3%
grade 4 events	725	726	701	3198
	1%	1%	1%	3%
grade 5 events	2657	3094	3083	8408
	4%	5%	4%	10%
grade 6 events	1354	1388	1751	20107
	2%	2%	2%	23%
grade 7 events	48421	48079	53259	36969
	83%	83%	83%	44%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-2367	ACIS-2367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	305.549694	305.5347046519498	CCD I2 on	O1	Y
[deg] Pointing Dec	10.039996	10.01697609768869	CCD I3 on	O2	Y
[deg] Pointing Roll	206.330742	206.489983017252	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.145094680475	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01257209746719923	CCD S4 on	N	N
[s] Observation start time (MET)	460804492.184000	460803500.34078	CCD S5 on	N	N
Observation start date	2012-08-08T09:13:45	2012-08-08T08:58:20	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	460816492.184000	460816840.7165	On-chip summing requested	N	N
Observation end date	2012-08-08T12:33:45	2012-08-08T12:40:40	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



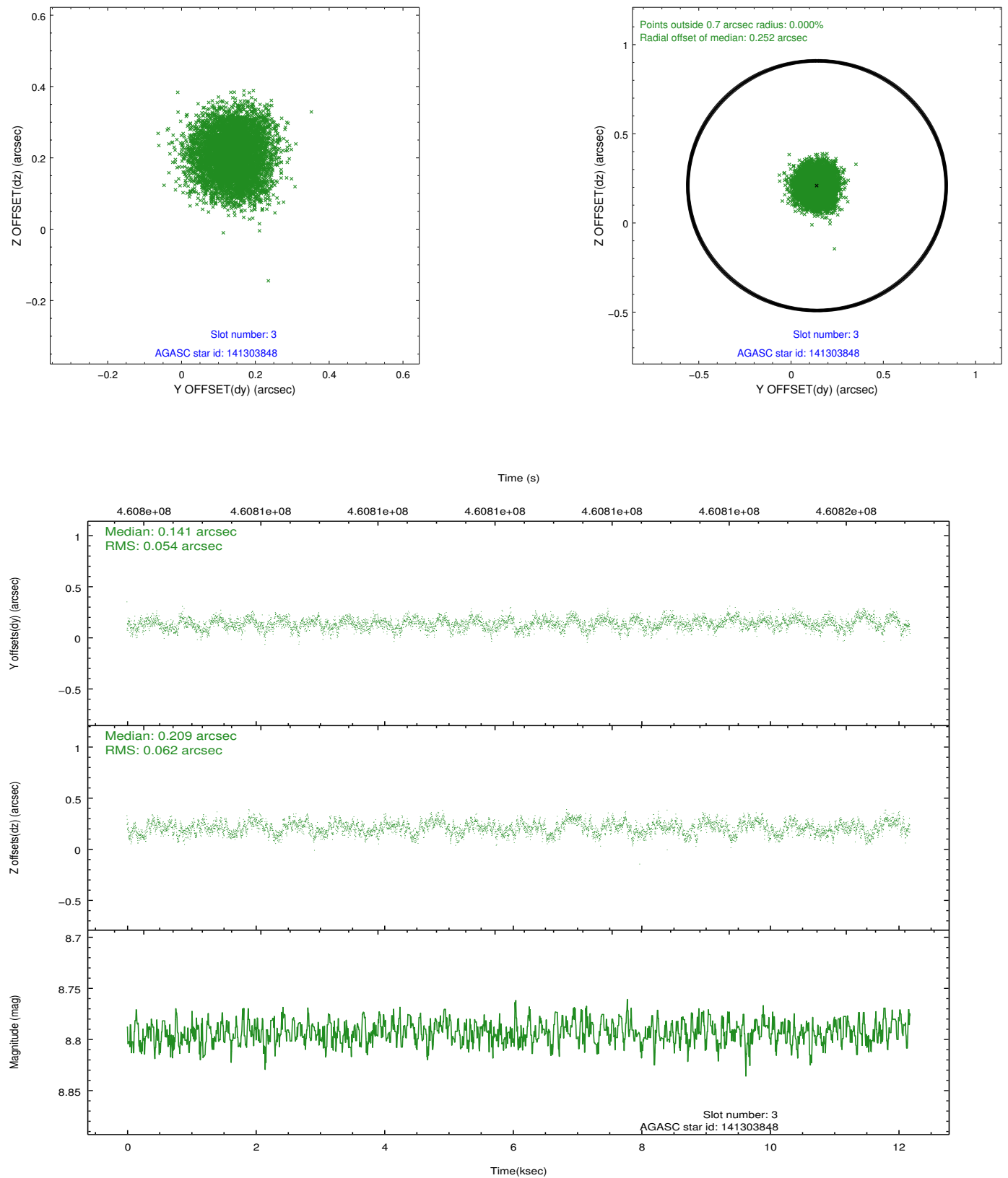


Slot Statistics

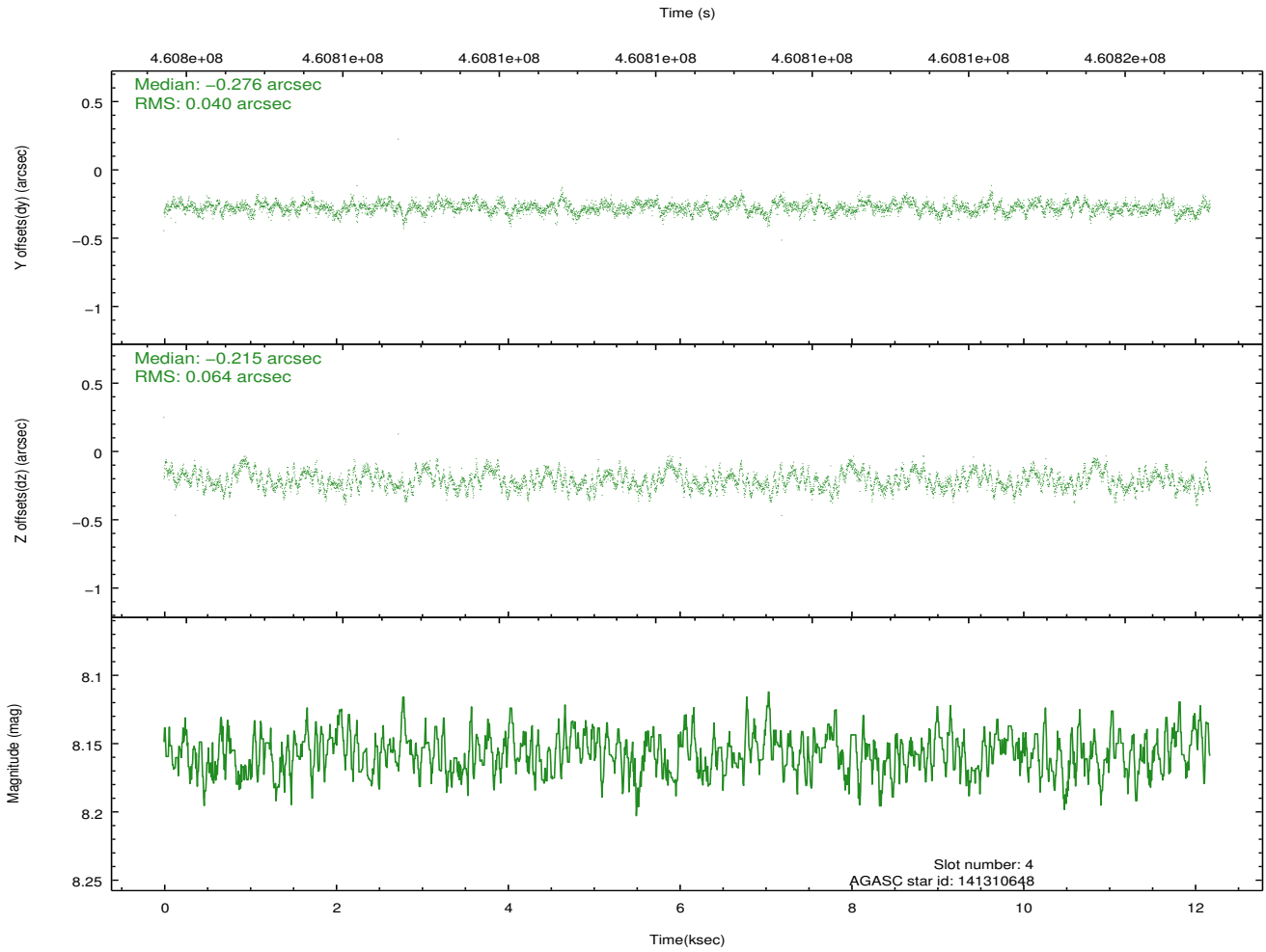
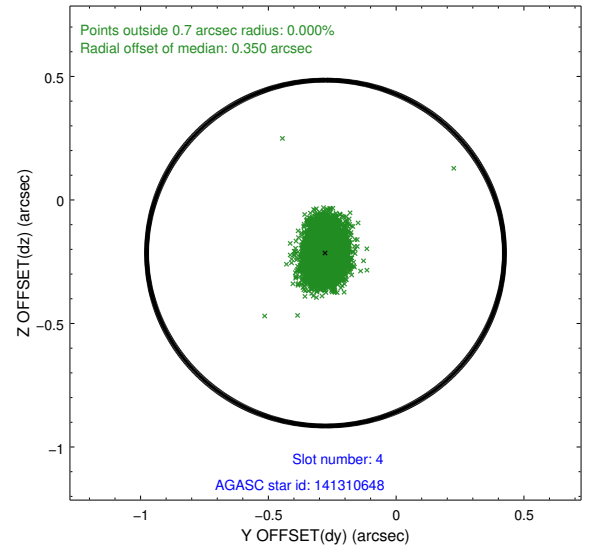
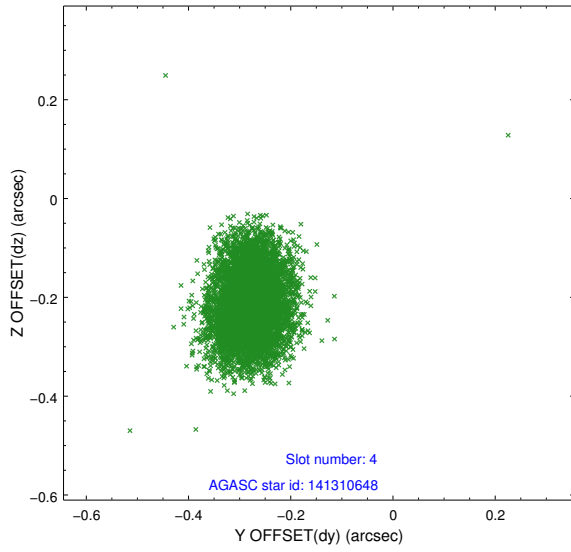
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.01	2971	-0.044	-0.012	0.006	0.011	0.000000	0.000000	-769.88	-1736.98
1	FID	ACIS-S-5	7.13	2972	-0.068	-0.046	0.007	0.013	0.000000	0.000000	-1823.22	164.53
2	FID	ACIS-S-6	7.22	2969	0.086	0.066	0.006	0.010	0.000000	0.000000	391.39	809.03
3	GUIDE	141303848	8.79	5941	0.141	0.209	0.089	0.137	305.968802	10.440873	-1969.89	-636.09
4	GUIDE	141310648	8.16	5942	-0.276	-0.215	0.080	0.131	305.588304	9.425083	858.43	2044.77
5	GUIDE	141303968	8.78	5938	0.092	-0.107	0.104	0.168	304.723667	10.189295	2383.95	-1782.59
6	GUIDE	141302624	9.21	5924	0.053	0.034	0.106	0.170	305.032008	10.204769	1381.75	-1346.43
7	GUIDE	141307720	8.09	5936	-0.005	0.092	0.096	0.155	306.056845	9.813382	-1250.84	1527.74

2.4 Star Slots

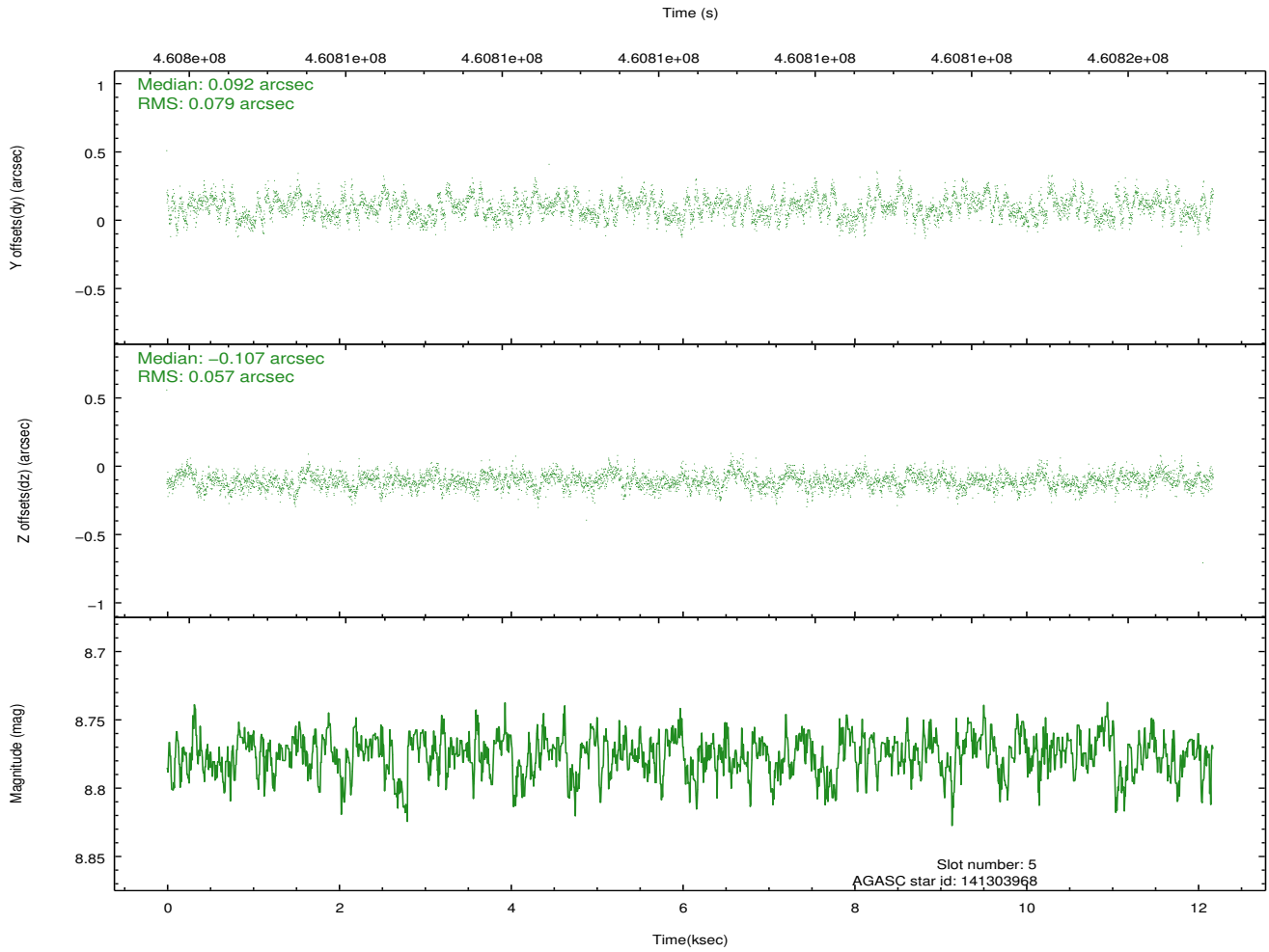
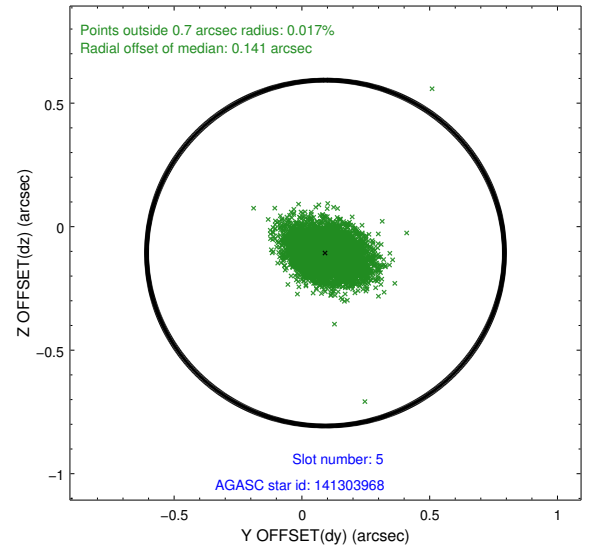
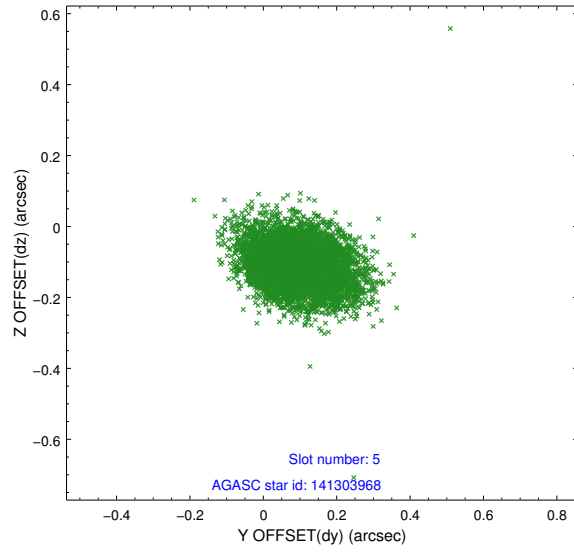
2.4.1 Slot 3



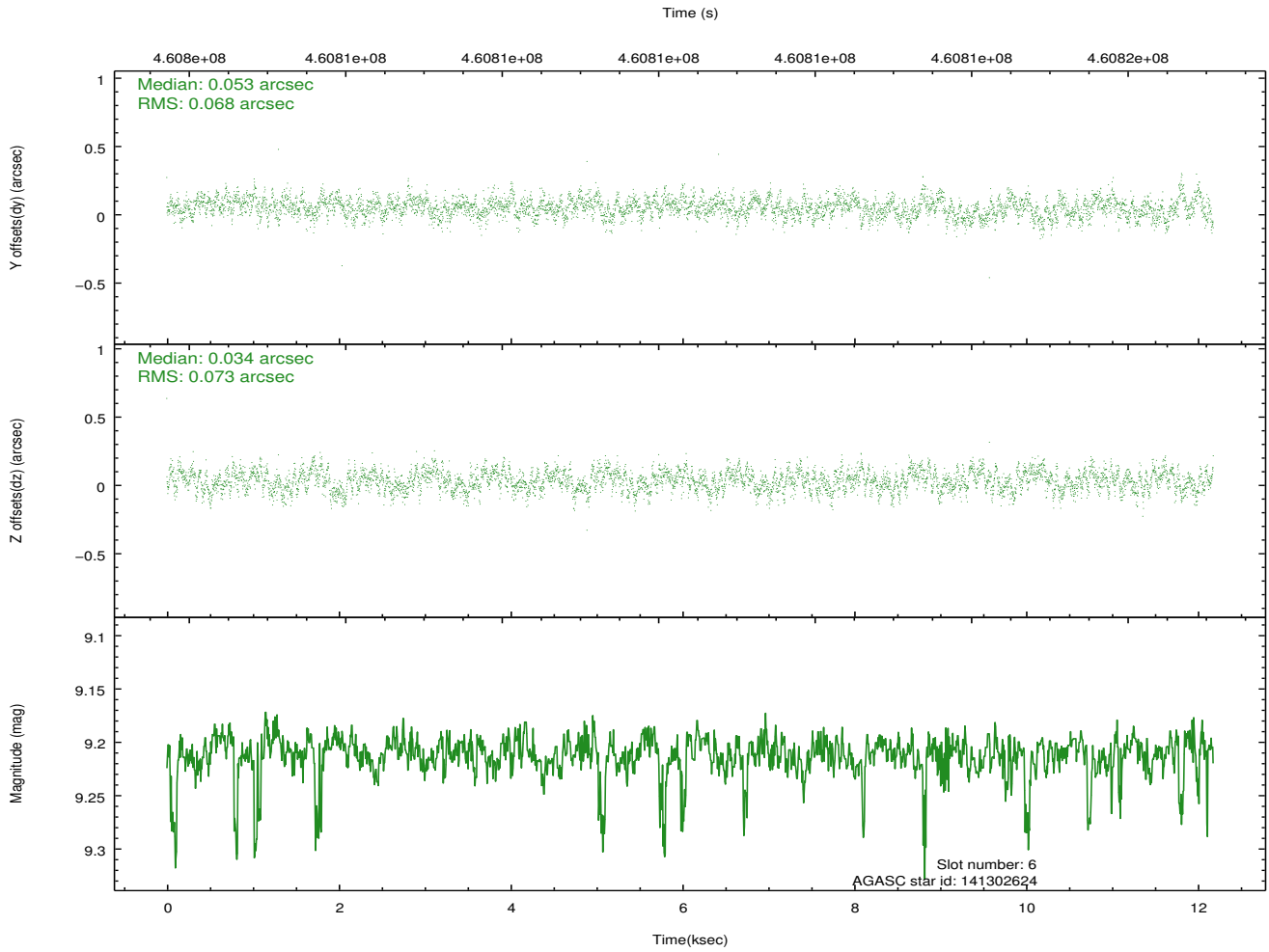
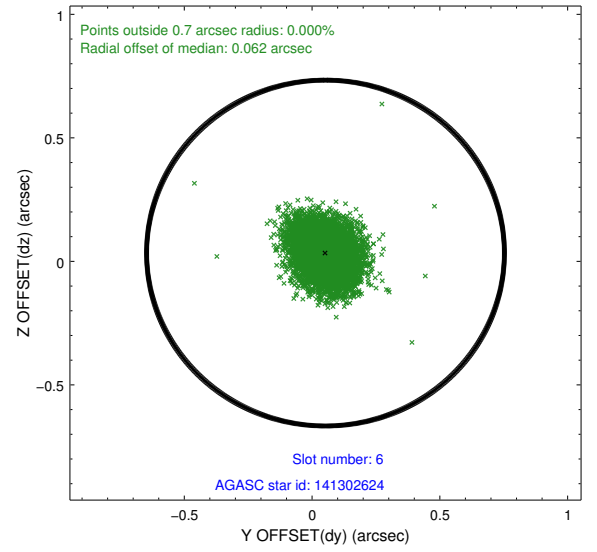
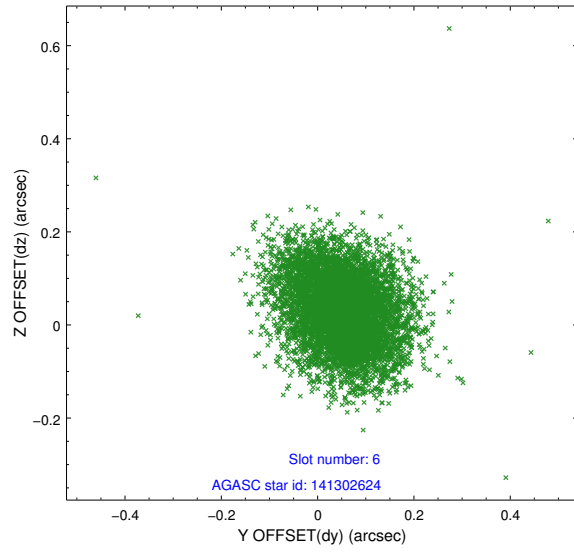
2.4.2 Slot 4



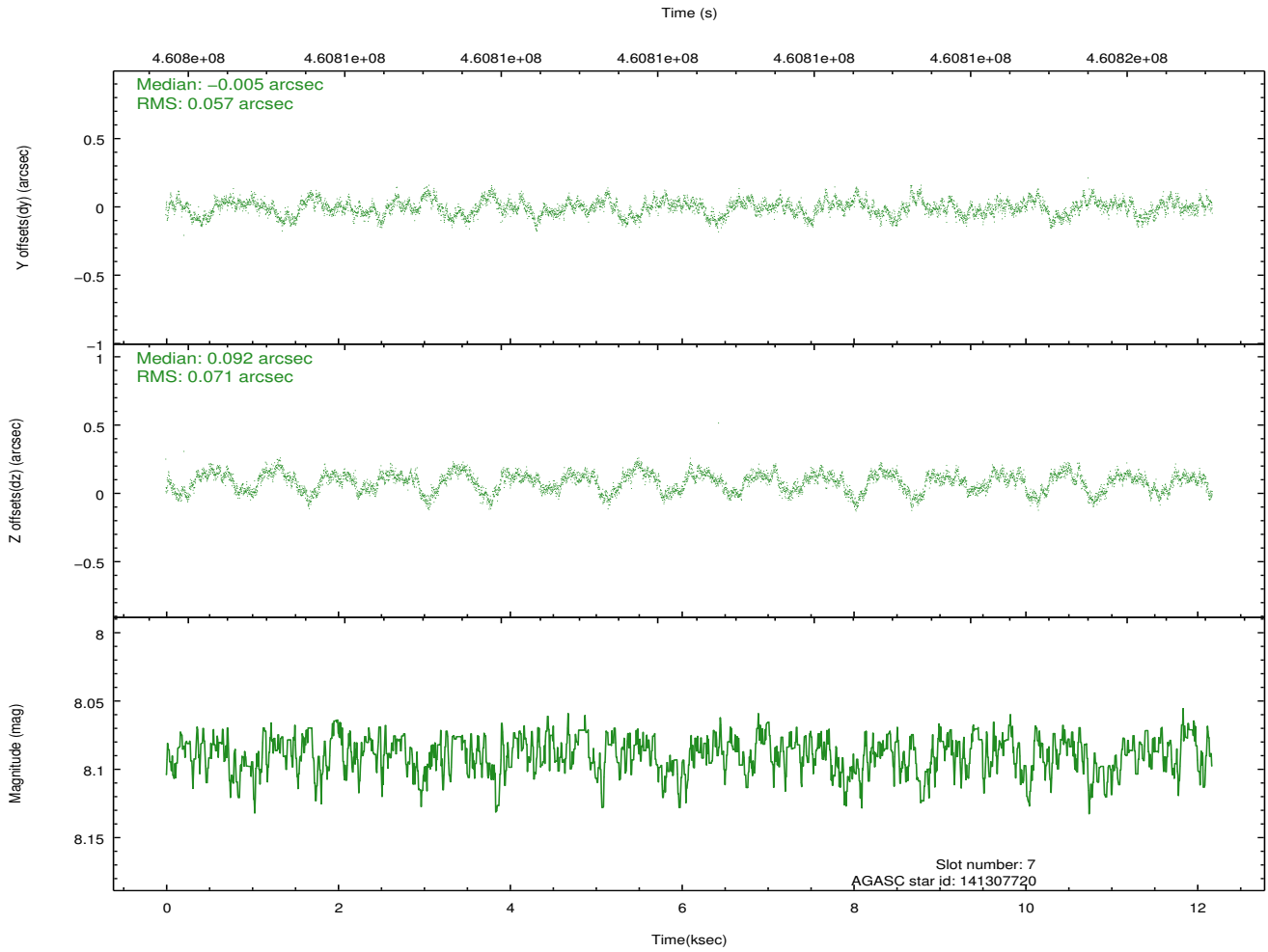
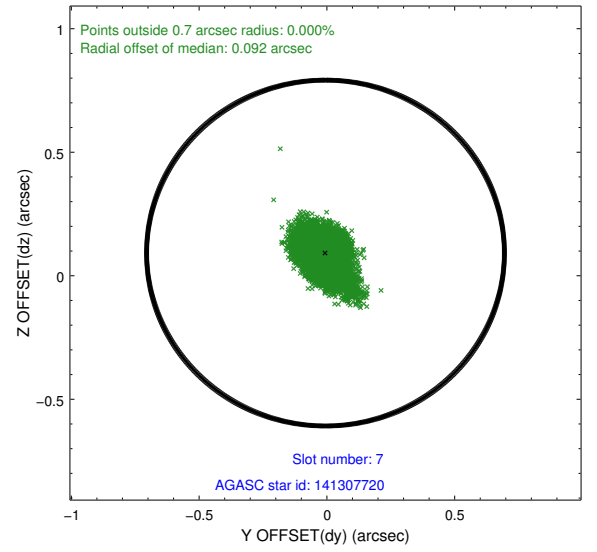
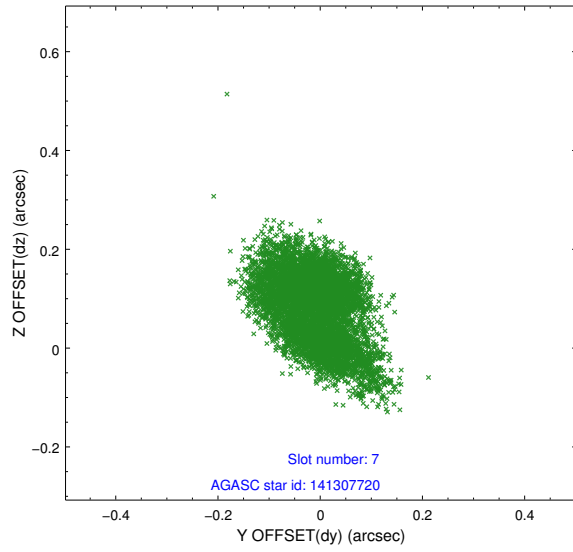
2.4.3 Slot 5



2.4.4 Slot 6

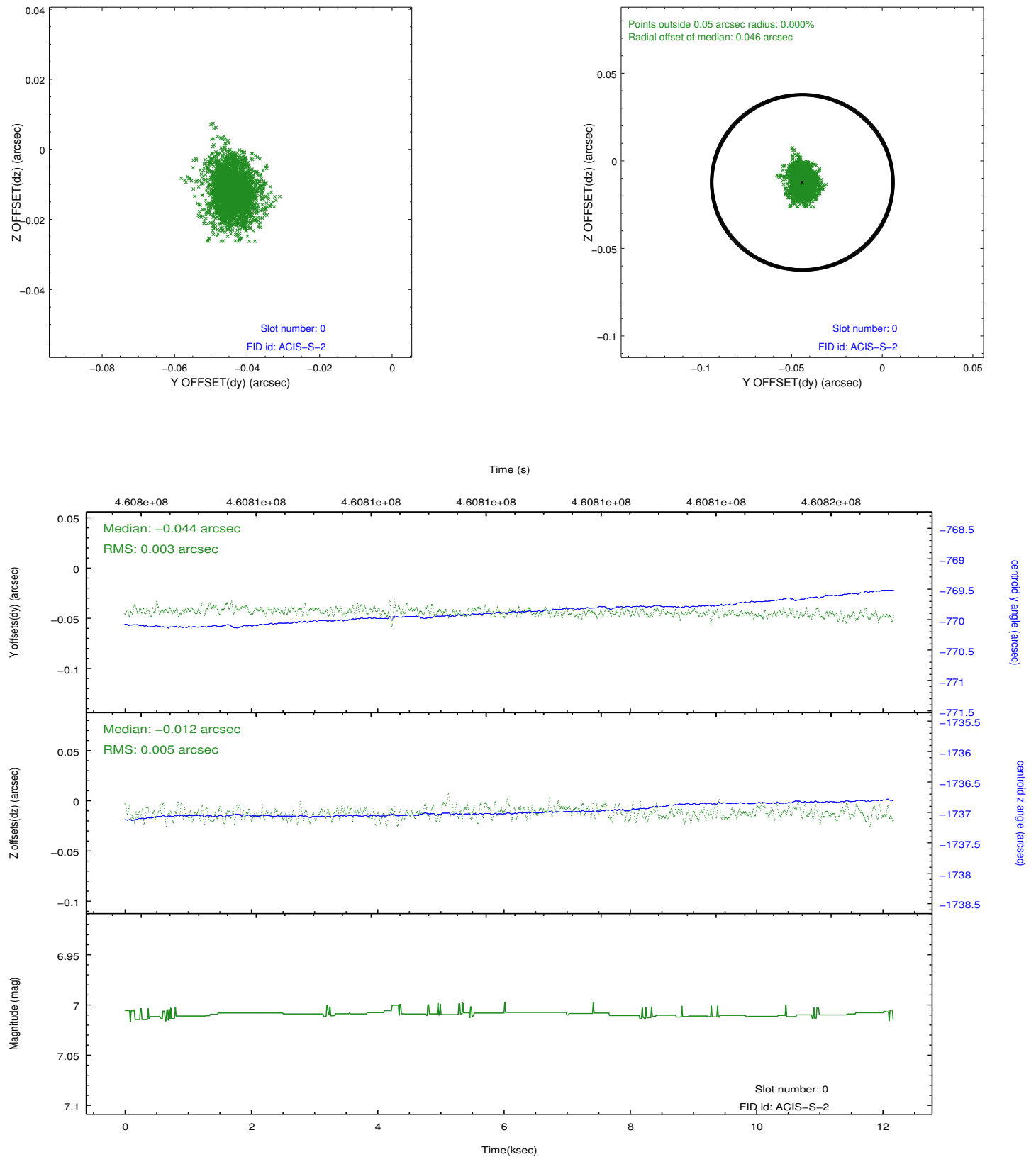


2.4.5 Slot 7

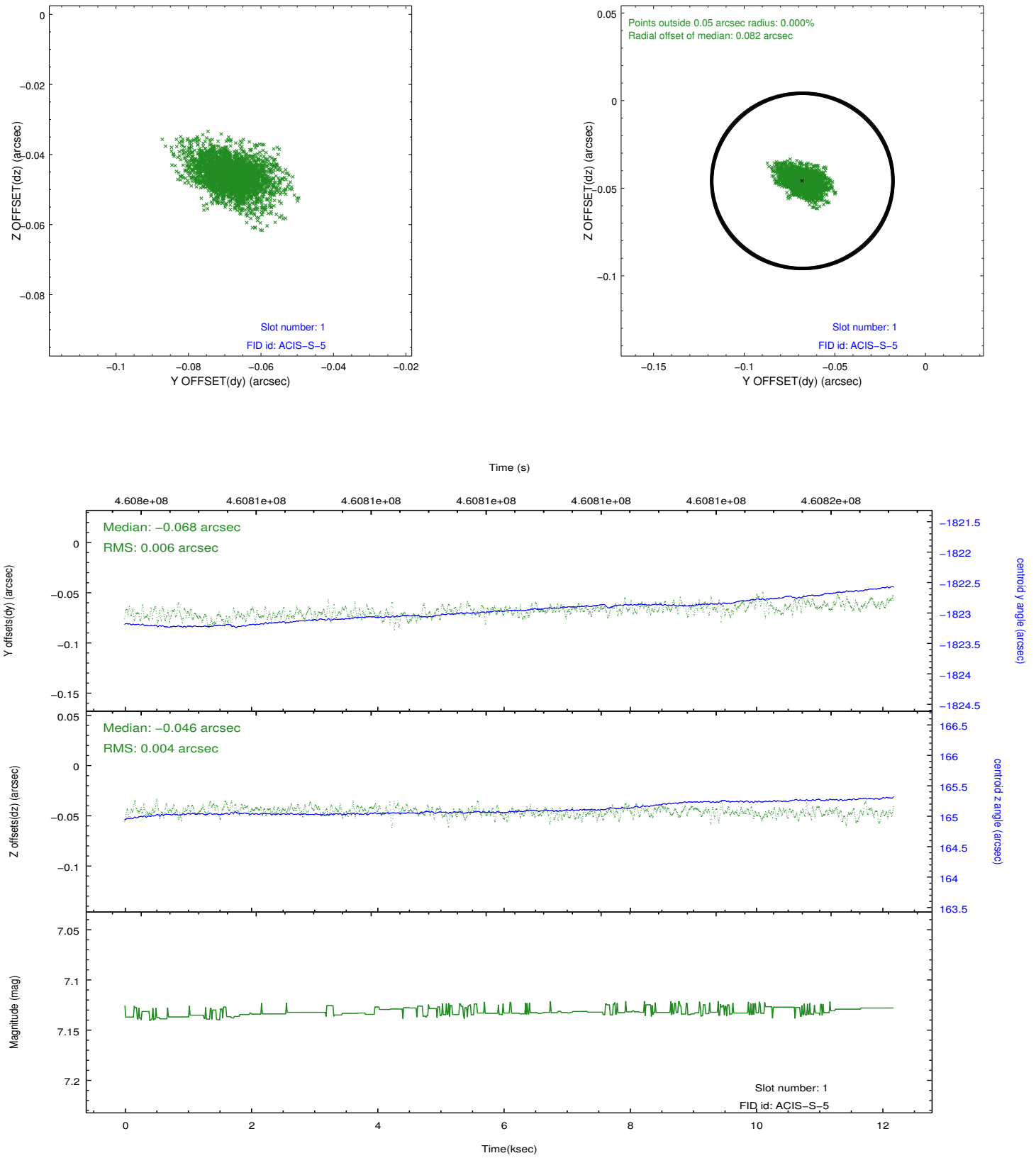


2.5 FID Slots

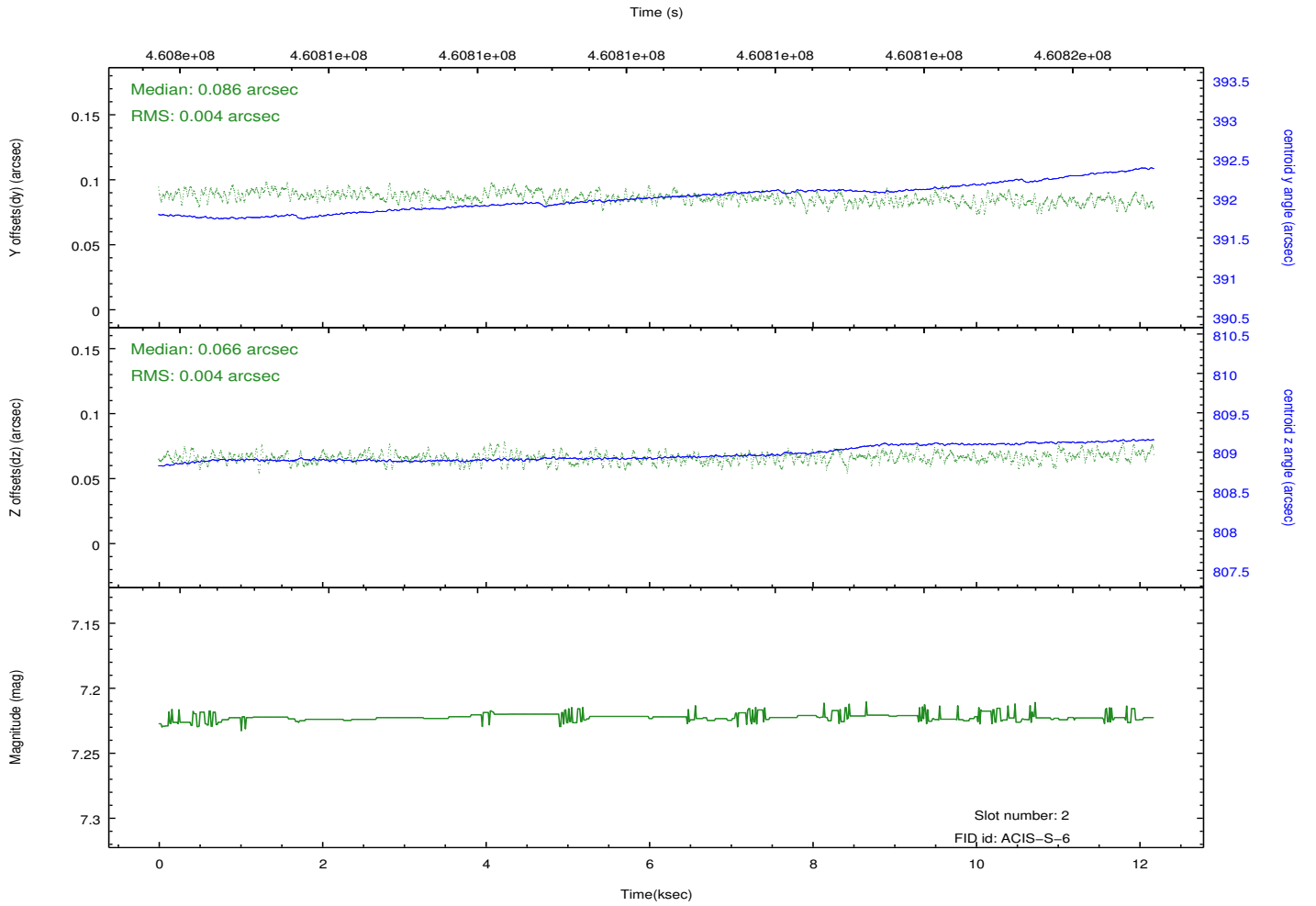
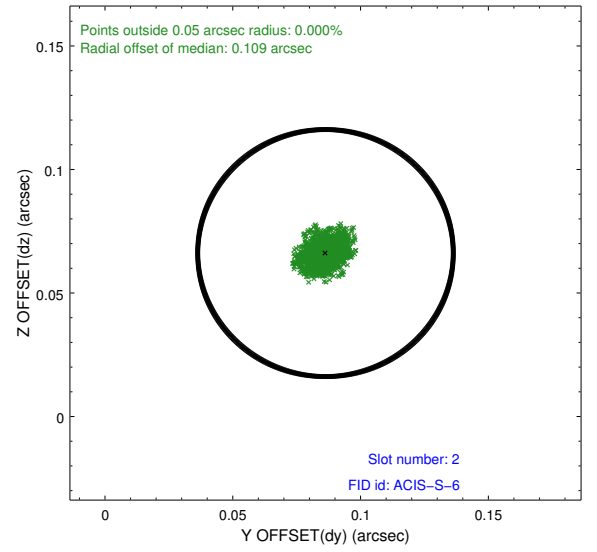
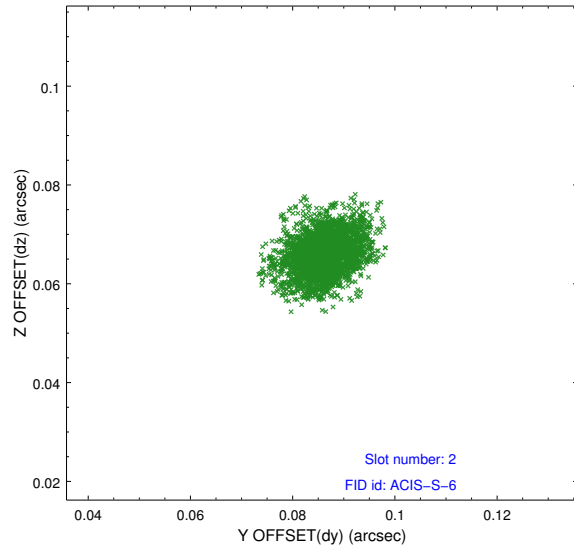
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.08.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.077600092888

A.2 Comments