

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3332 - L2 Version 3
Chandra X-Ray Center

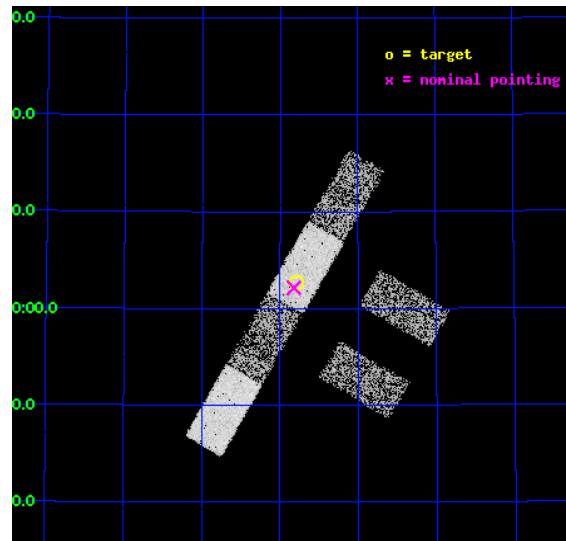
L2 Processing Date : Oct 14 2012

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1 Front

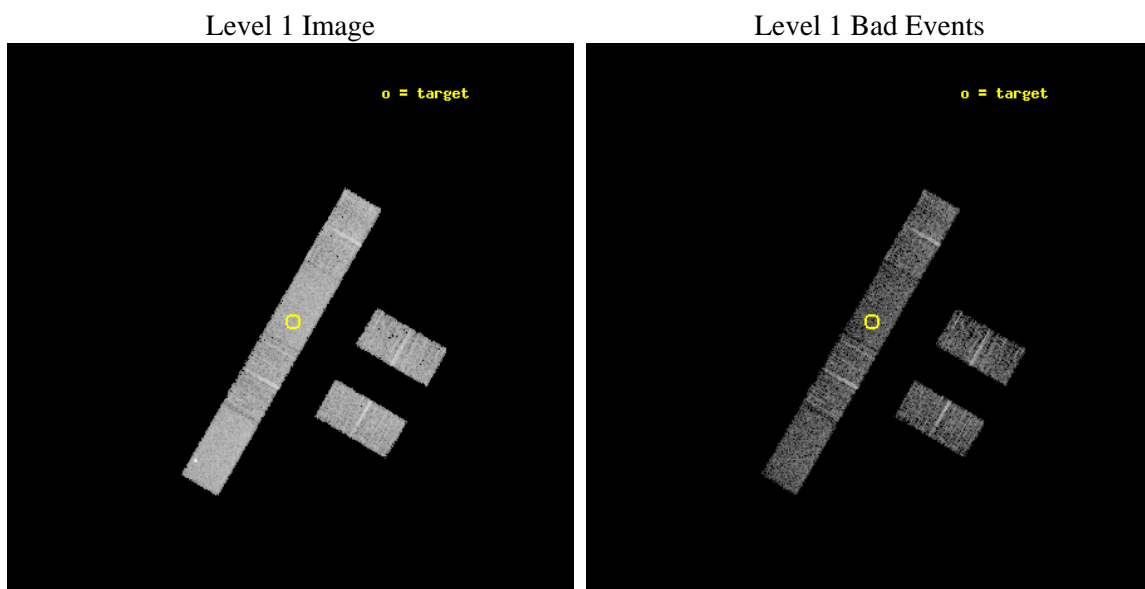
seq_num	900171	Sequence number
obs_id	3332	Observation id
title	THE SHEEP SURVEY: WHAT KIND OF OBJECTS MAKE THE X-RAY BACKGROUND?	
observer	Prof Kirpal Nandra	Principal investigator
object	AX J1511.7+5702	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	227.949583	Observer's specified target RA [deg]
dec_targ	57.045	Observer's specified target Dec [deg]
ra_nom	227.95579077899	Nominal RA [deg]
dec_nom	57.03586682705	Nominal Dec [deg]
roll_nom	300.08325281992	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5149.8000341058	Sum of GTIs [s]
livetime	5035.001988762	Livetime [s]
ontime2	5149.8000341058	Sum of GTIs [s]
ontime3	5149.8000341058	Sum of GTIs [s]
ontime5	5149.8000341058	Sum of GTIs [s]
ontime6	5149.8000341058	Sum of GTIs [s]
ontime7	5149.8000341058	Sum of GTIs [s]
ontime8	5149.8000341058	Sum of GTIs [s]
l2events	27153	Number of level 2 events



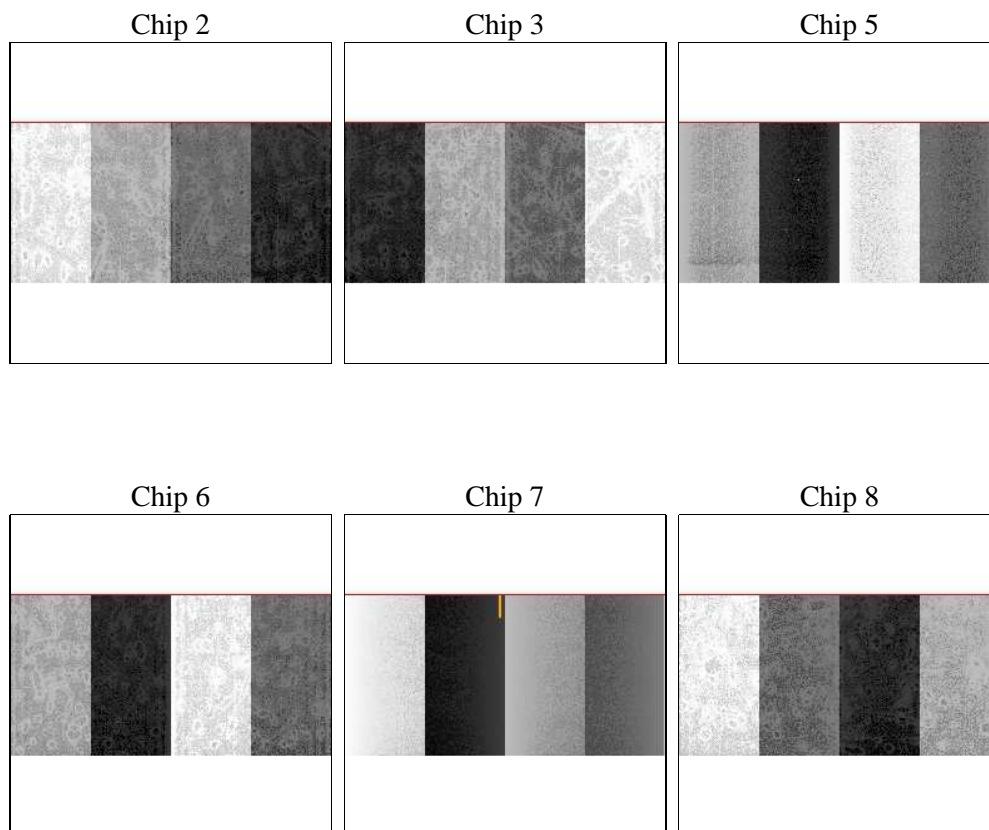
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5149.8000341058	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	5149.8000341058	Sum of GTIs [s]
date	2012-10-14T17:59:39	Date and time of file creation	ontime3	5149.8000341058	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	5149.8000341058	Sum of GTIs [s]
			ontime6	5149.8000341058	Sum of GTIs [s]
			ontime7	5149.8000341058	Sum of GTIs [s]
			ontime8	5149.8000341058	Sum of GTIs [s]
			l1events	354952	Number of level 1 events

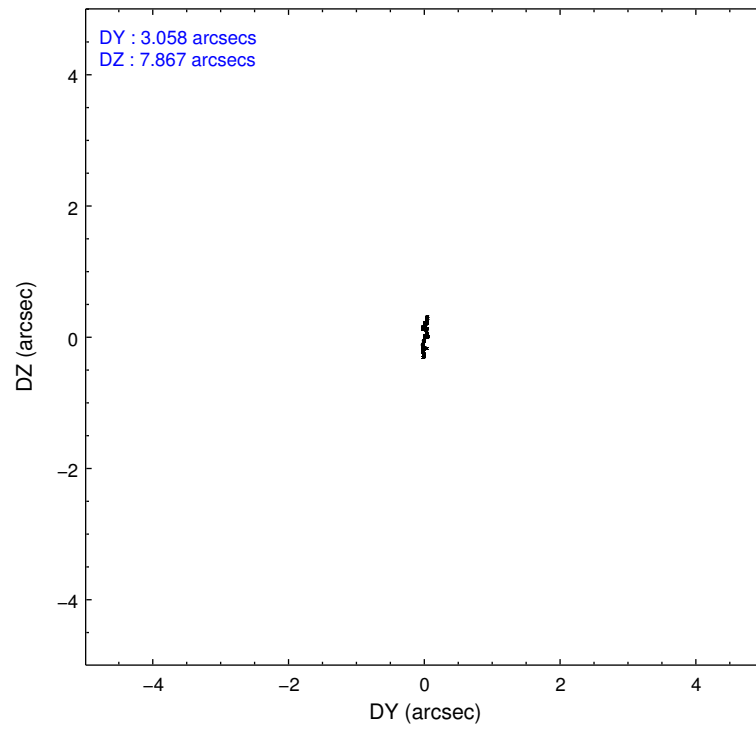
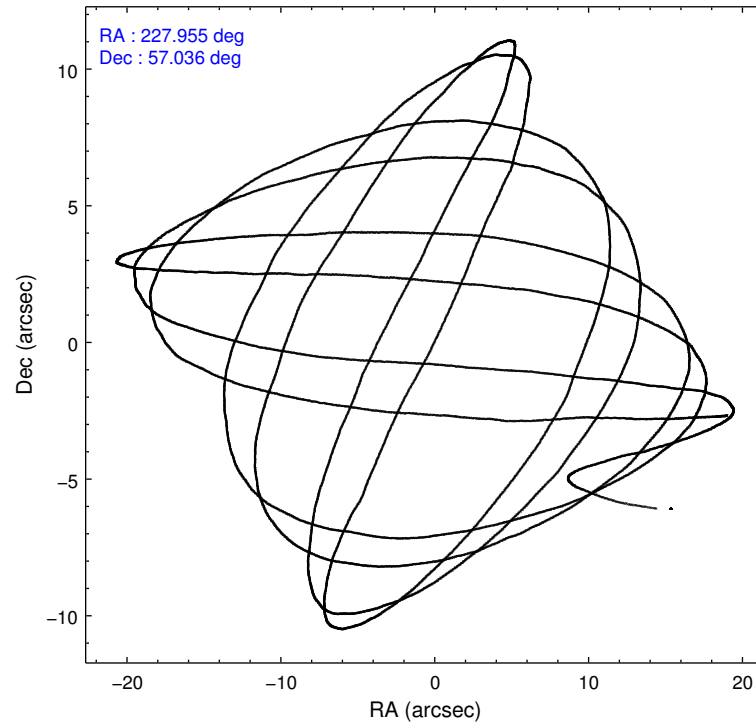
2.1.4 Events

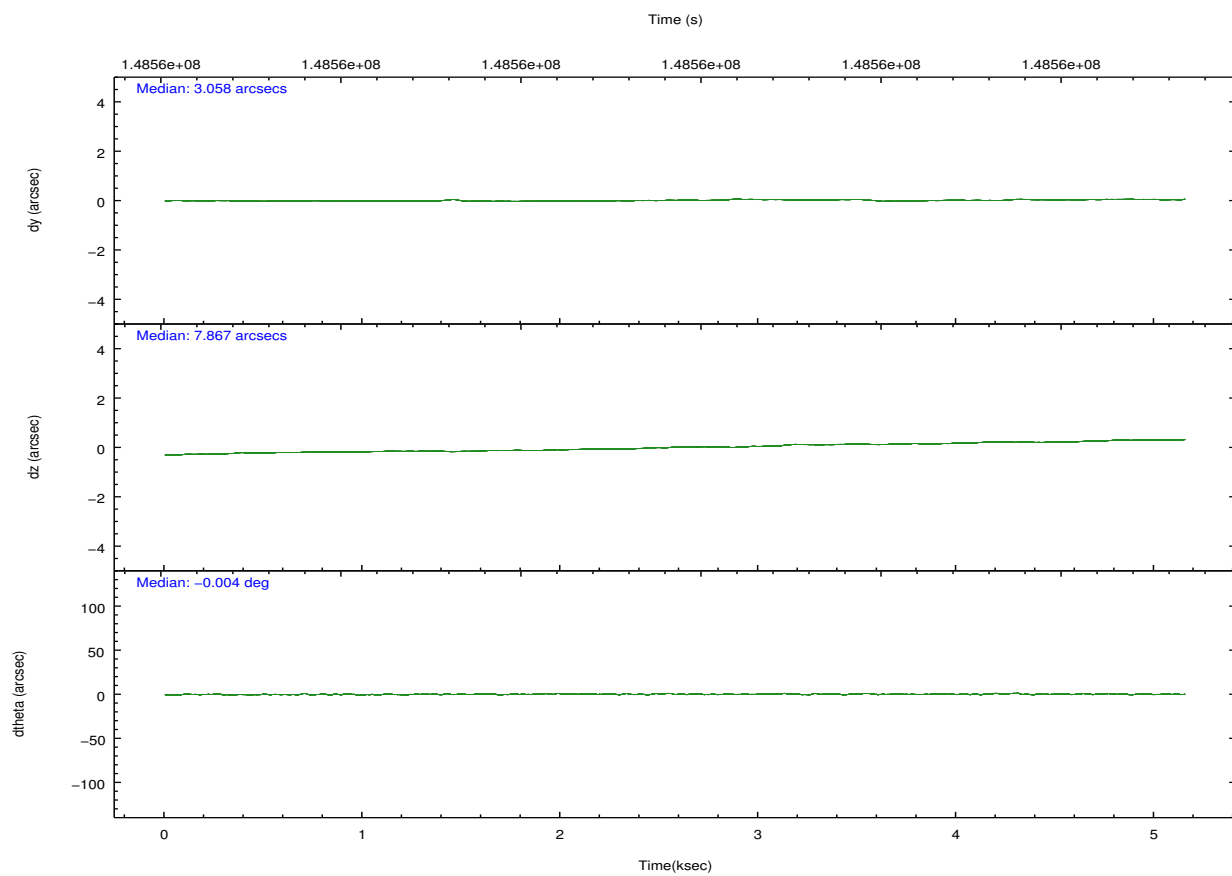
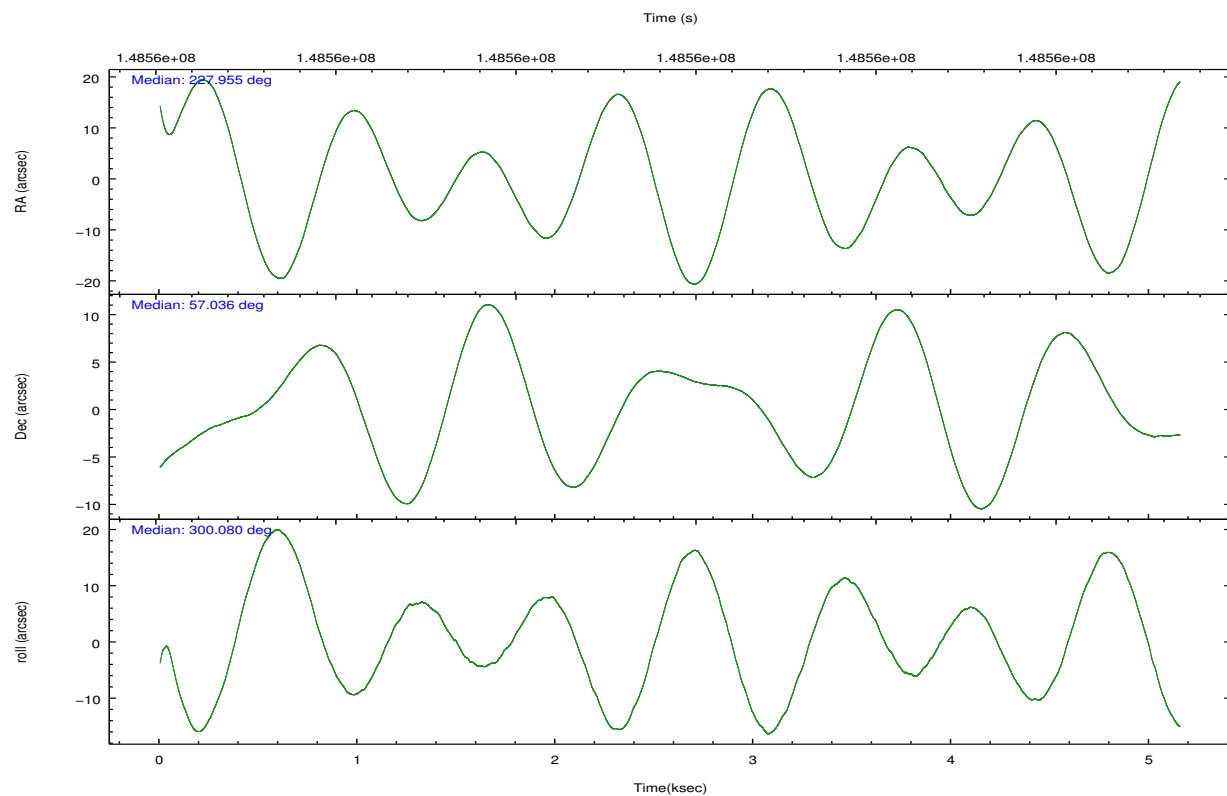
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	57153	55574	61089	57286	60287	63563	grade 0 events	18618	18380	9193	18361	9335	19141
rejected events	54969	53593	49614	55211	50654	59133		32%	33%	15%	32%	15%	30%
rejected %	96%	96%	81%	96%	84%	93%	grade 1 events	81	68	151	61	42	75
								0%	0%	0%	0%	0%	0%
							grade 2 events	5810	5752	13355	6056	9240	6787
								10%	10%	21%	10%	15%	10%
							grade 3 events	2302	2289	2469	2266	4292	2572
								4%	4%	4%	3%	7%	4%
							grade 4 events	2250	2297	2436	2212	4302	2433
								3%	4%	3%	3%	7%	3%
							grade 5 events	1009	1054	2958	1136	3077	1457
								1%	1%	4%	1%	5%	2%
							grade 6 events	4376	4459	13960	5172	15135	5990
								7%	8%	22%	9%	25%	9%
							grade 7 events	22707	21275	16567	22022	14864	25108
								39%	38%	27%	38%	24%	39%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	227.911942	227.9557907789868	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	57.049170	57.03586682704965	Subarray start row	257	257
[deg] Pointing Roll	299.963416	300.0832528199222	Subarray row count	512	512
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	1.8
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	148555440.184000	148553450.68419			
Observation start date	2002-09-16T09:22:56	2002-09-16T08:50:50			
[s] Observation end time (MET)	148560440.184000	148560833.75949			
Observation end date	2002-09-16T10:46:16	2002-09-16T10:53:53			
Read mode	TIMED	TIMED			

2.3 Aspect



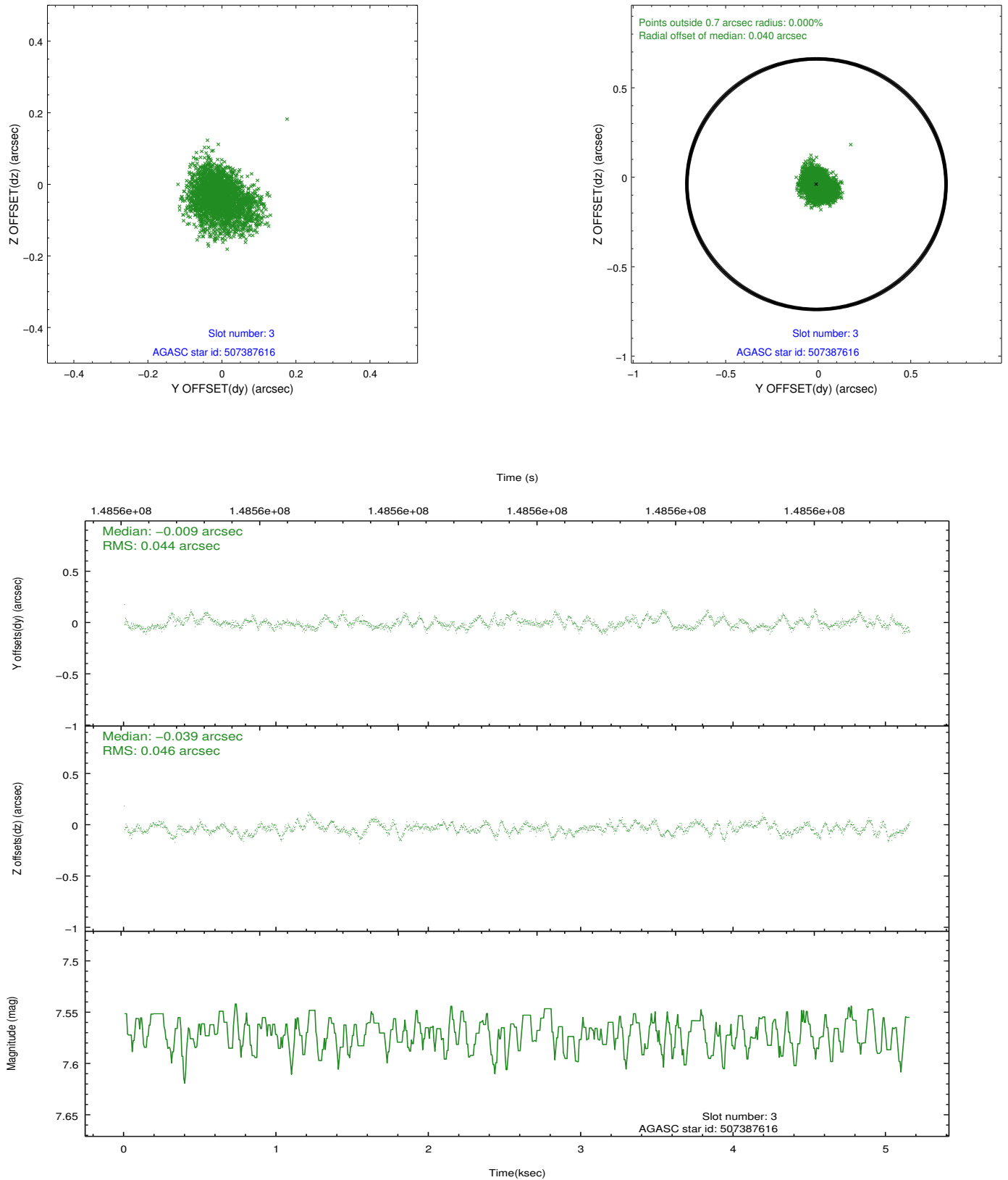


Slot Statistics

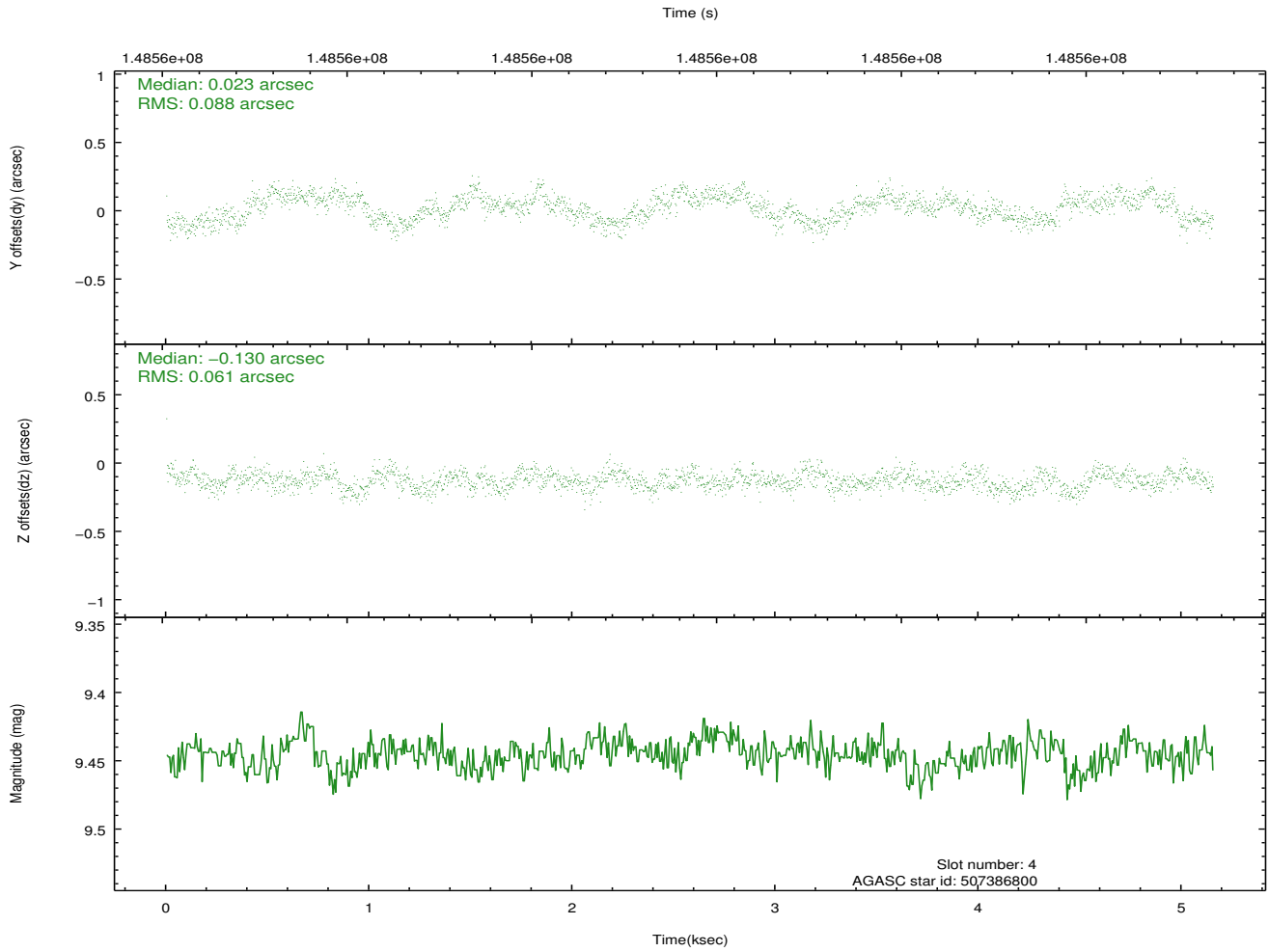
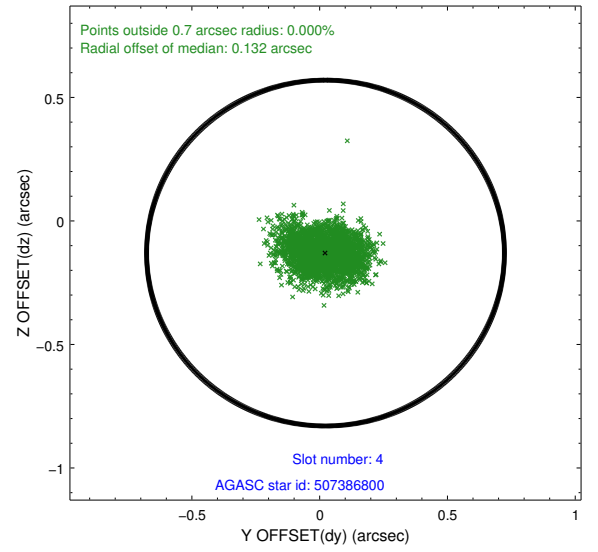
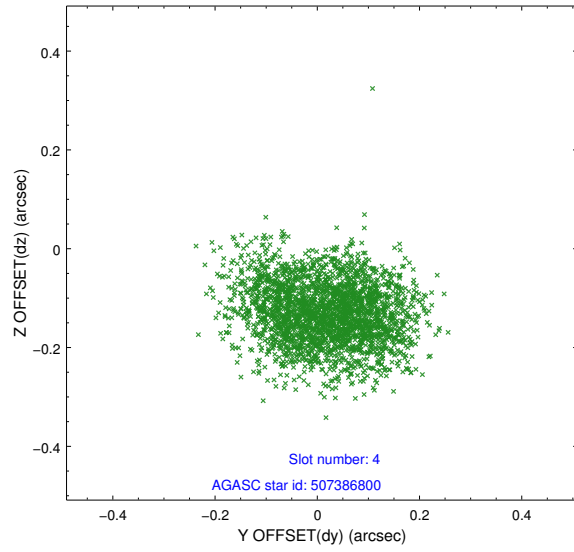
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1257	-0.009	-0.001	0.007	0.012	0.000000	0.000000	-755.73	-1729.05
1	FID	ACIS-S-4	7.20	1257	-0.006	0.005	0.005	0.010	0.000000	0.000000	2157.03	178.20
2	FID	ACIS-S-5	7.24	1257	-0.016	0.006	0.007	0.012	0.000000	0.000000	-1807.05	173.25
3	GUIDE	507387616	7.57	2514	-0.009	-0.039	0.068	0.111	227.343190	57.112136	-754.50	-847.22
4	GUIDE	507386800	9.45	2510	0.023	-0.130	0.115	0.183	228.092642	57.032196	229.87	276.53
5	GUIDE	507388336	9.28	2513	-0.008	0.037	0.094	0.149	229.367625	56.897463	1876.94	2222.71
6	GUIDE	507387168	9.60	2515	-0.024	0.142	0.138	0.233	226.927533	56.702730	98.53	-2299.68
7	GUIDE	507385608	9.61	2511	0.023	-0.020	0.125	0.194	228.578240	57.333615	-245.31	1635.85

2.4 Star Slots

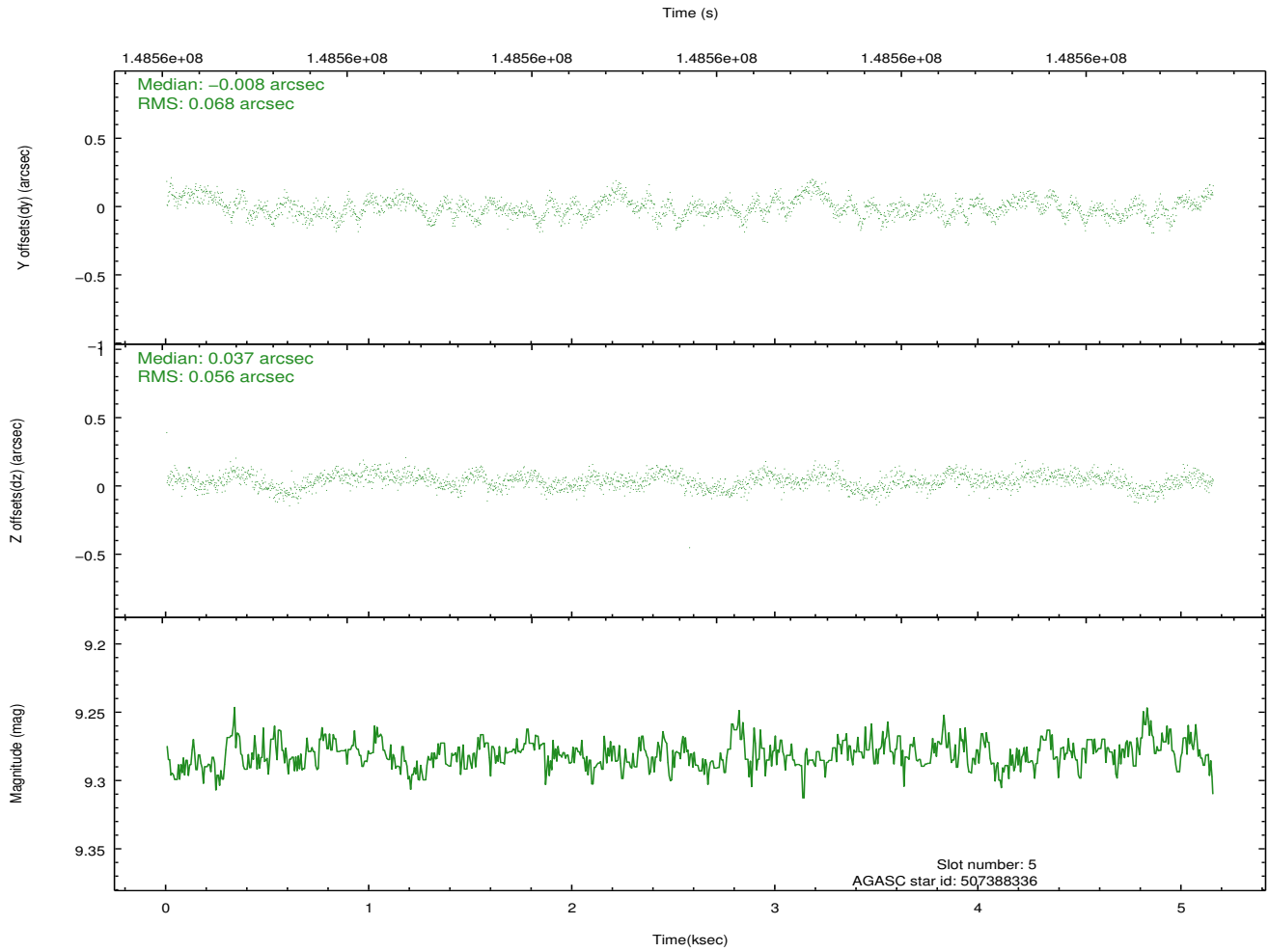
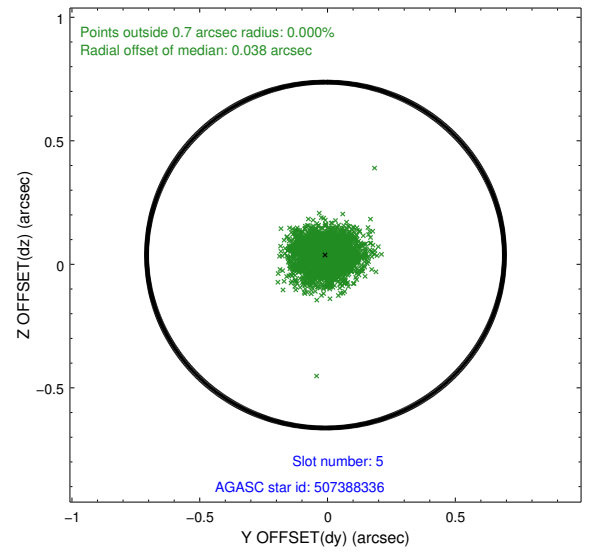
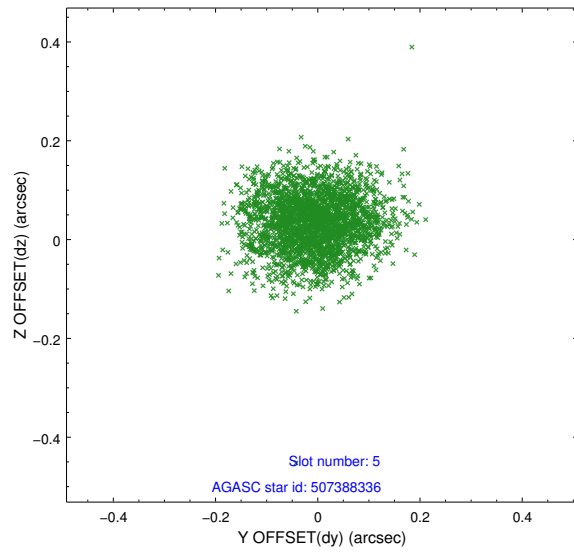
2.4.1 Slot 3



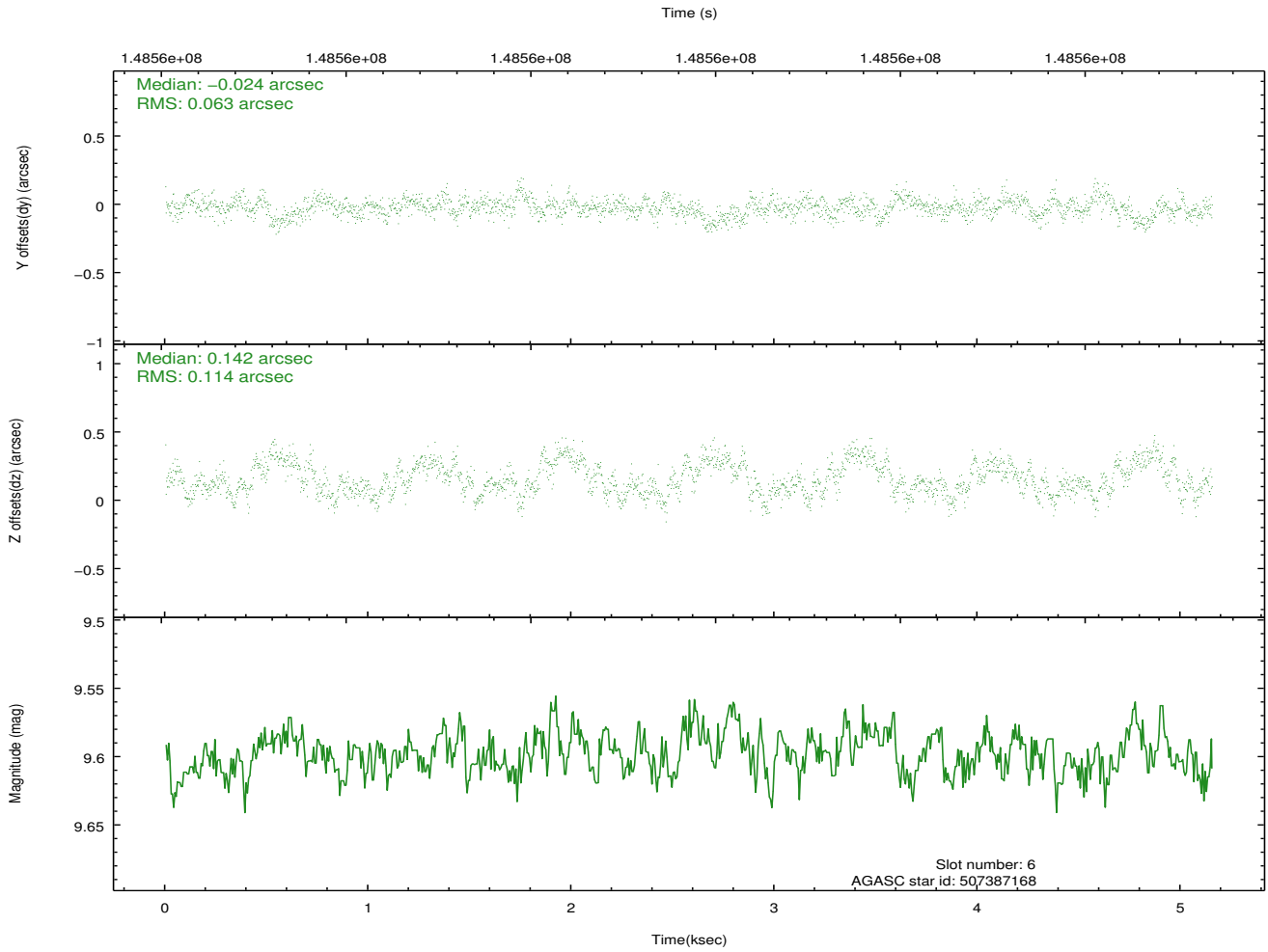
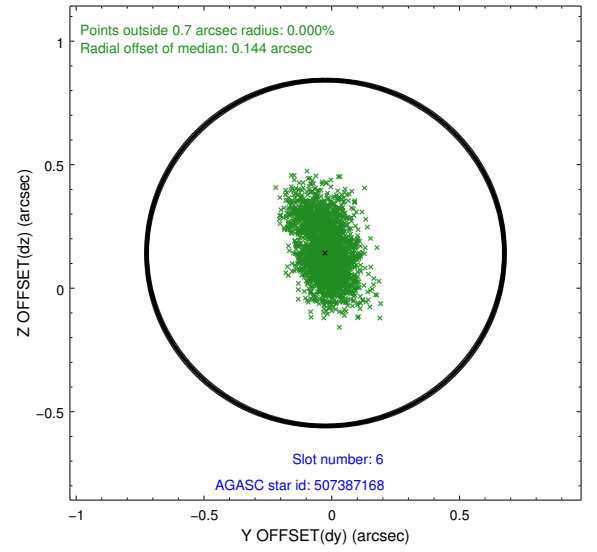
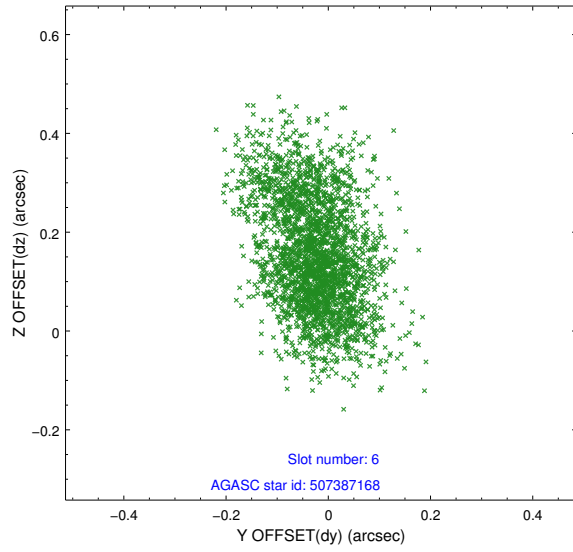
2.4.2 Slot 4



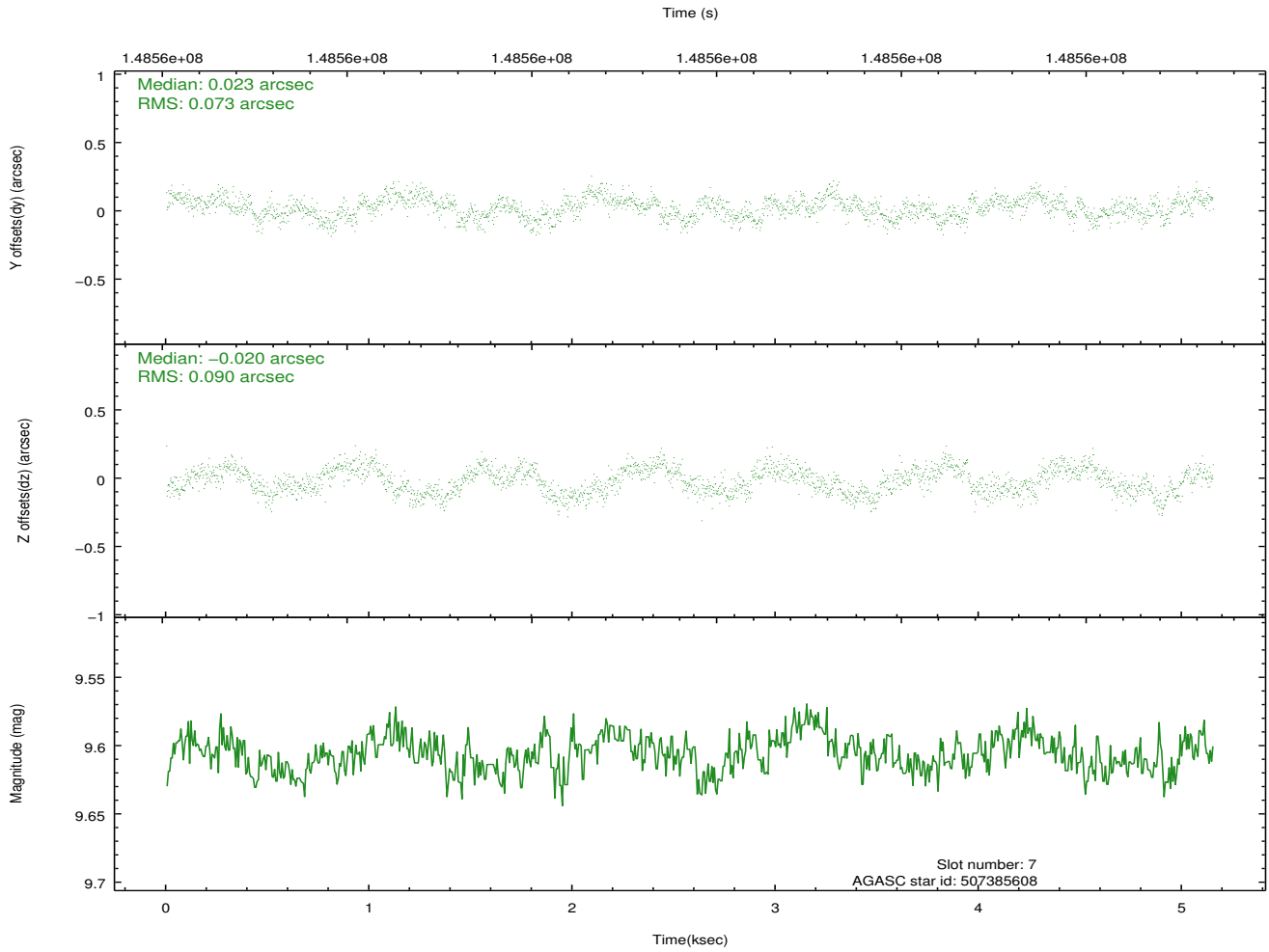
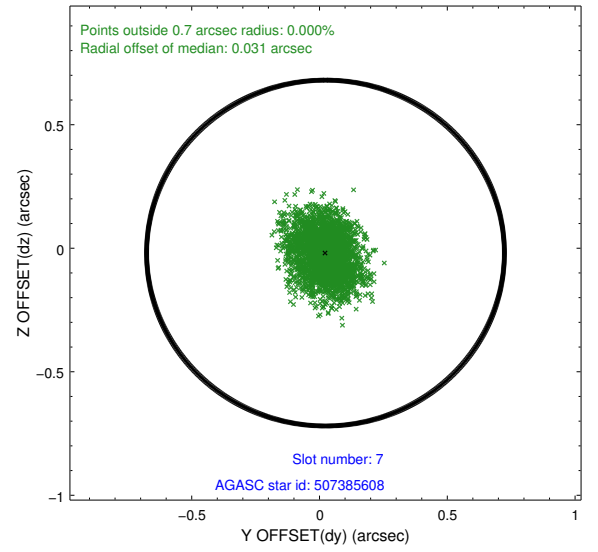
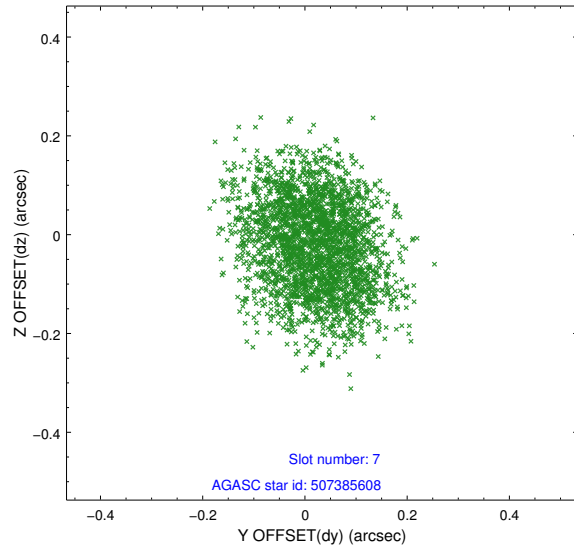
2.4.3 Slot 5



2.4.4 Slot 6

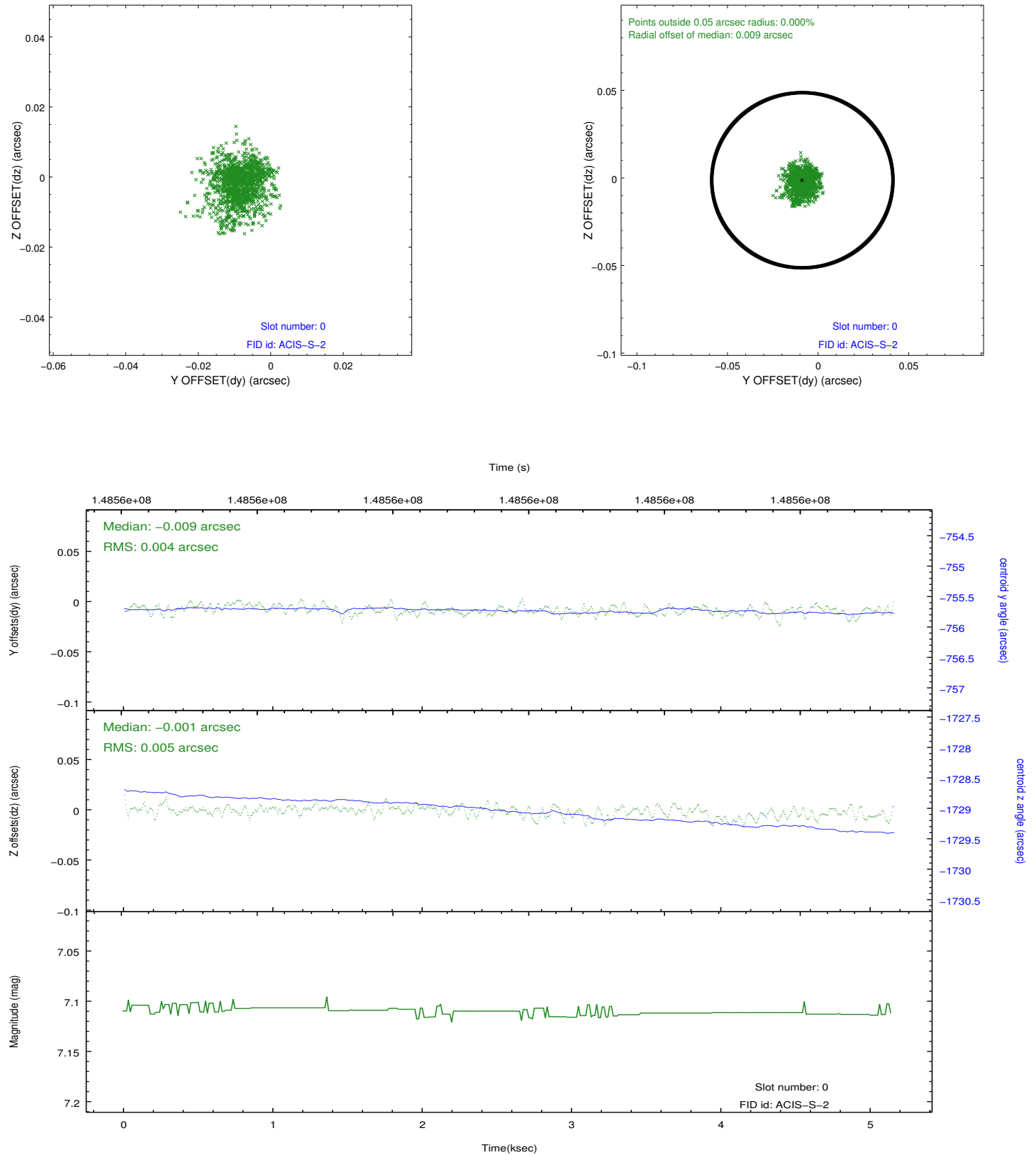


2.4.5 Slot 7

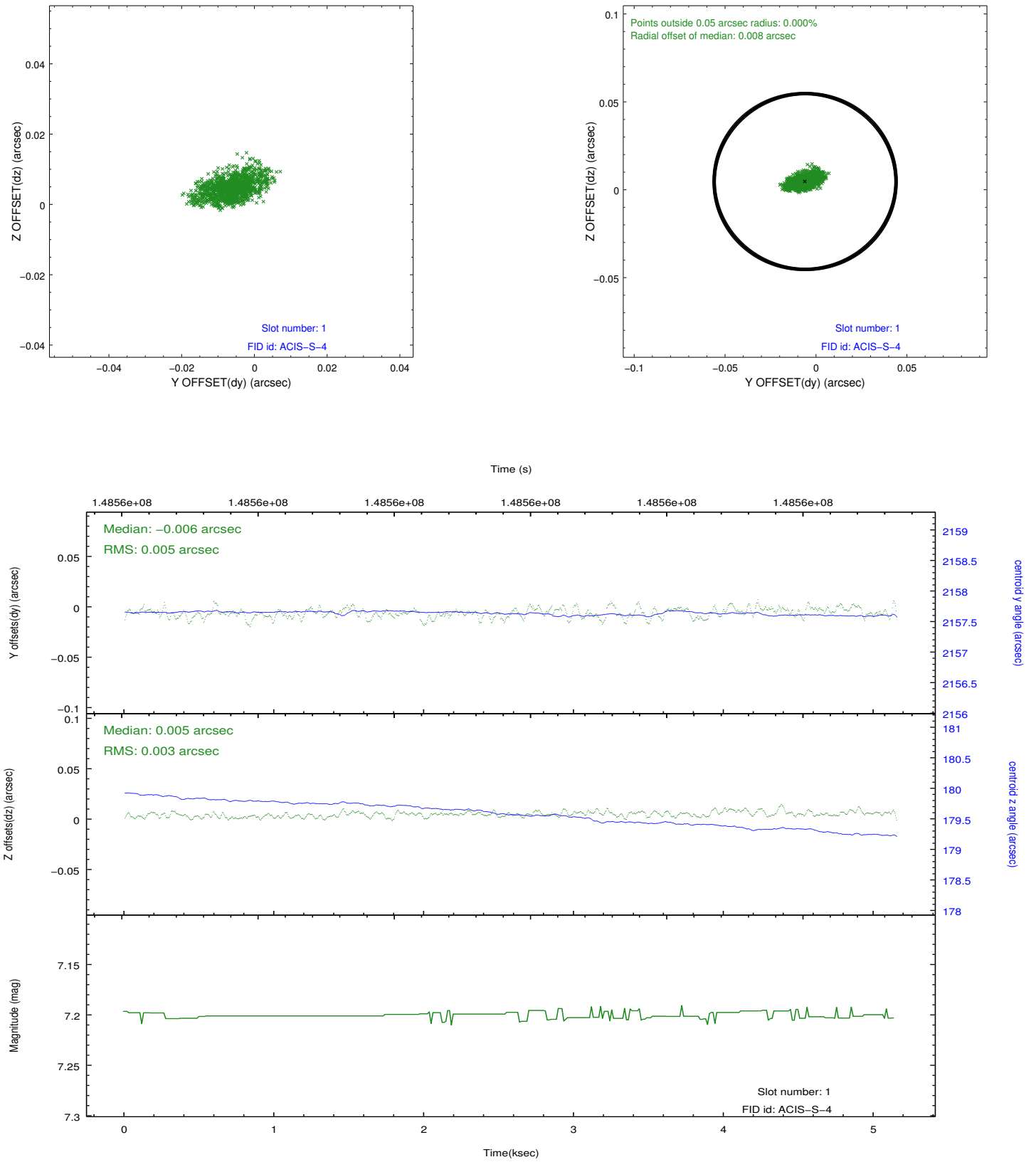


2.5 FID Slots

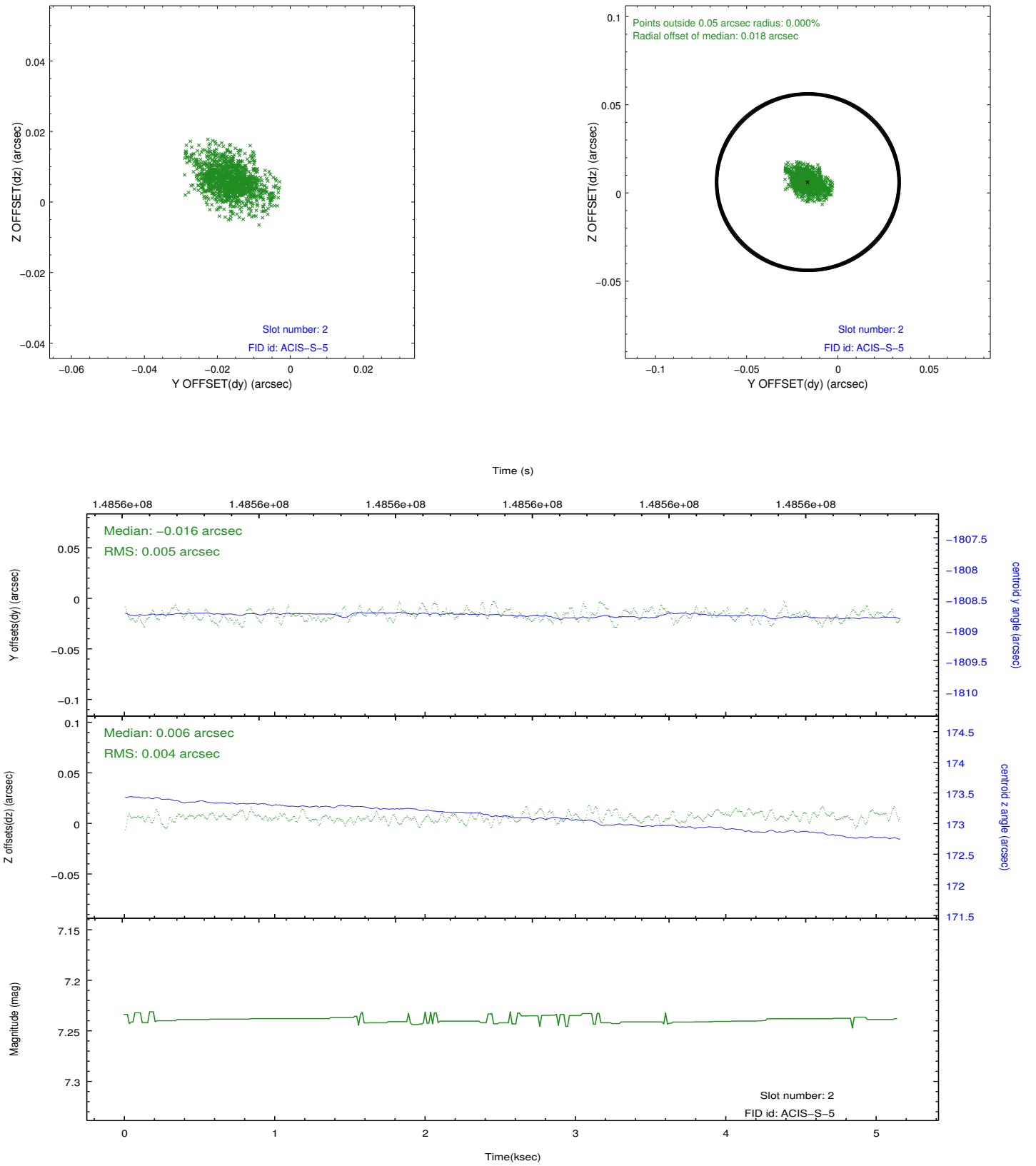
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.10.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.149

A.2 Comments

Joint proposal with NOAO.