

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3320 - L2 Version 4
Chandra X-Ray Center

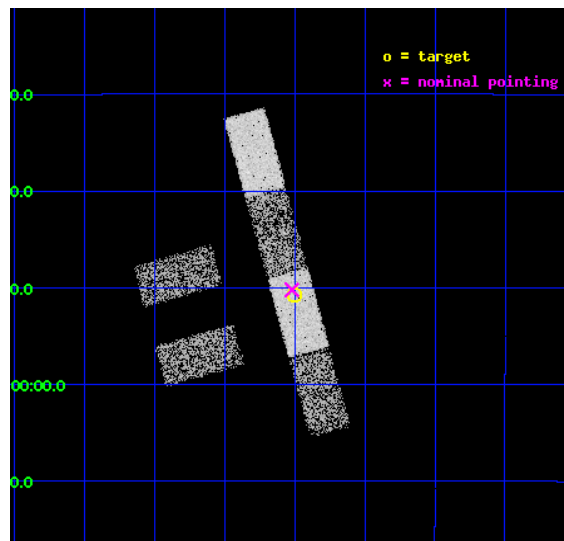
L2 Processing Date : Oct 17 2012

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1 Front

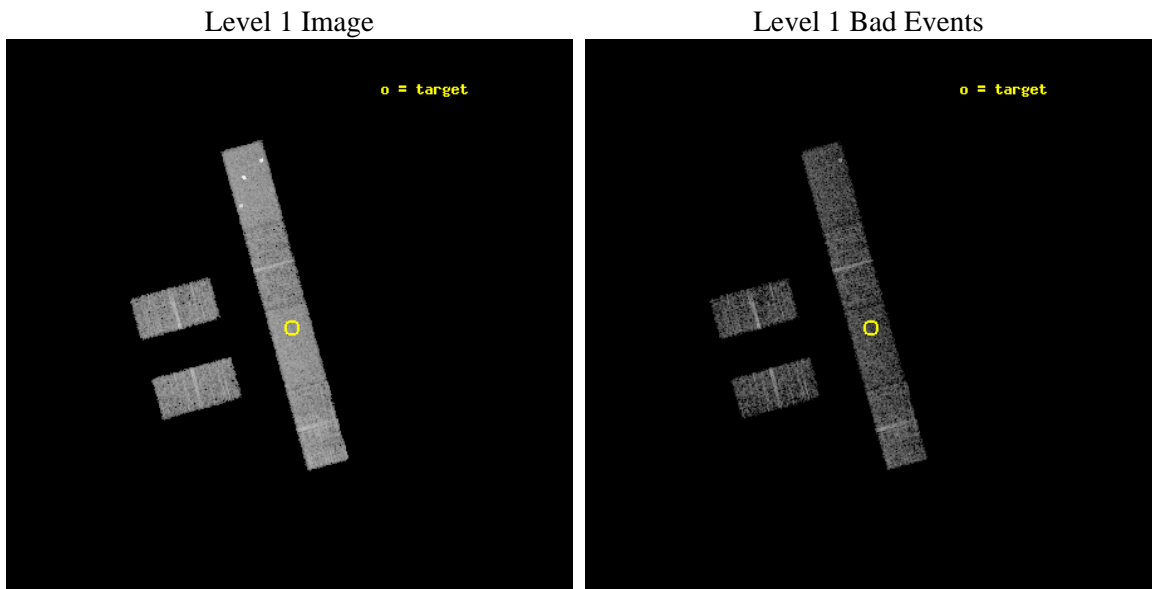
seq_num	900159	Sequence number
obs_id	3320	Observation id
title	THE SHEEP SURVEY: WHAT KIND OF OBJECTS MAKE THE X-RAY BACKGROUND?	
observer	Prof Kirpal Nandra	Principal investigator
object	AX J1107.0-1150	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	166.750833	Observer's specified target RA [deg]
dec_targ	-11.845833	Observer's specified target Dec [deg]
ra_nom	166.75510739325	Nominal RA [deg]
dec_nom	-11.837026928004	Nominal Dec [deg]
roll_nom	74.620083769647	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5372.4807667136	Sum of GTIs [s]
livetime	5252.7187785624	Livetime [s]
ontime2	5372.5218067169	Sum of GTIs [s]
ontime3	5372.3576467037	Sum of GTIs [s]
ontime5	5372.4397267103	Sum of GTIs [s]
ontime6	5372.398686707	Sum of GTIs [s]
ontime7	5372.4807667136	Sum of GTIs [s]
ontime8	5372.3166067302	Sum of GTIs [s]
l2events	27343	Number of level 2 events



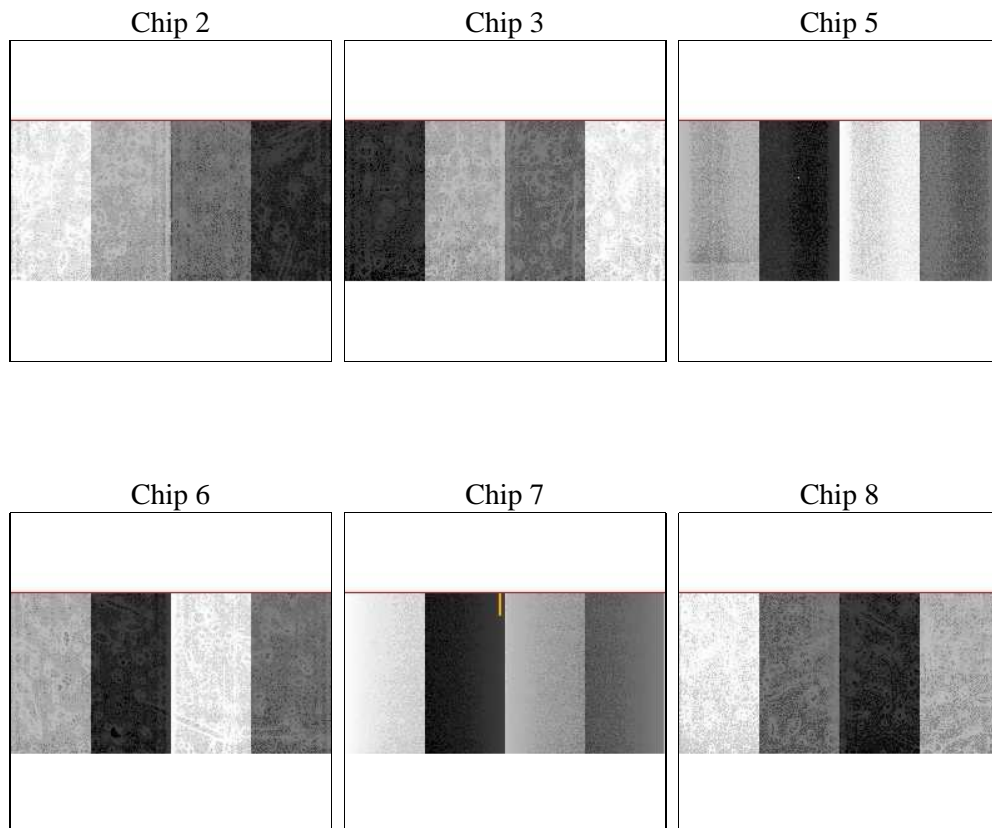
2 OBI

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	8.4.5	Processing system revision	ontime	5372.4807667136	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	5372.5218067169	Sum of GTIs [s]
date	2012-10-17T11:57:07	Date and time of file creation	ontime3	5372.3576467037	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	5372.4397267103	Sum of GTIs [s]
			ontime6	5372.398686707	Sum of GTIs [s]
			ontime7	5372.4807667136	Sum of GTIs [s]
			ontime8	5372.3166067302	Sum of GTIs [s]
			l1events	126893	Number of level 1 events

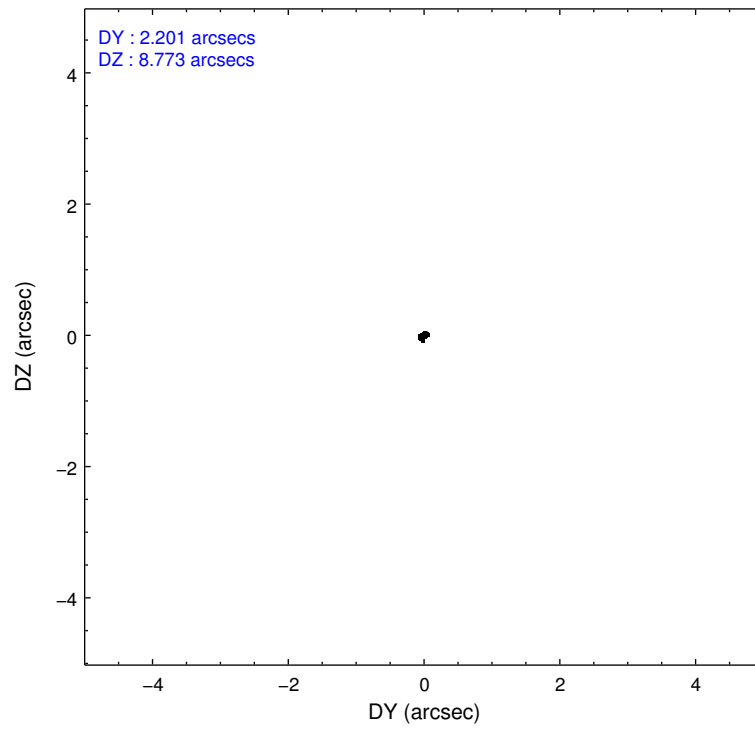
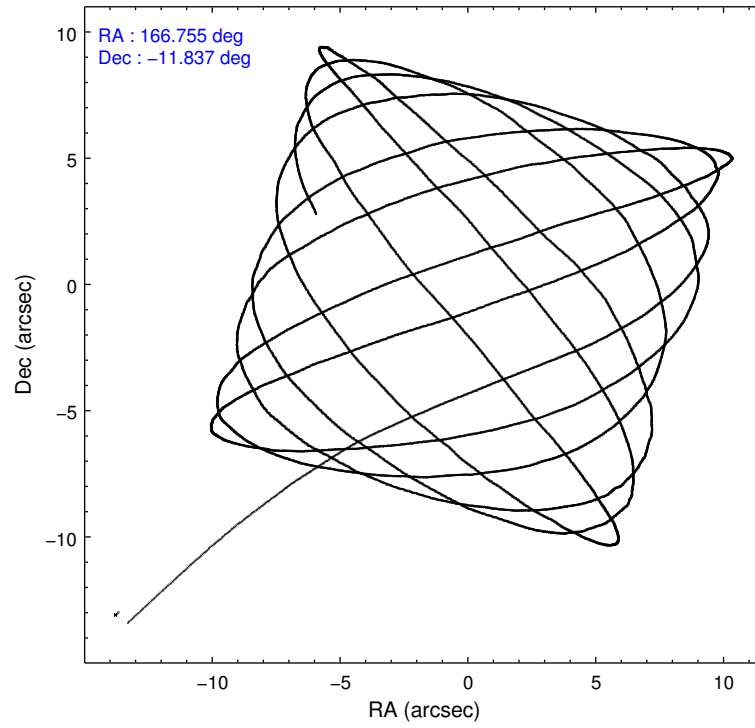
2.1.4 Events

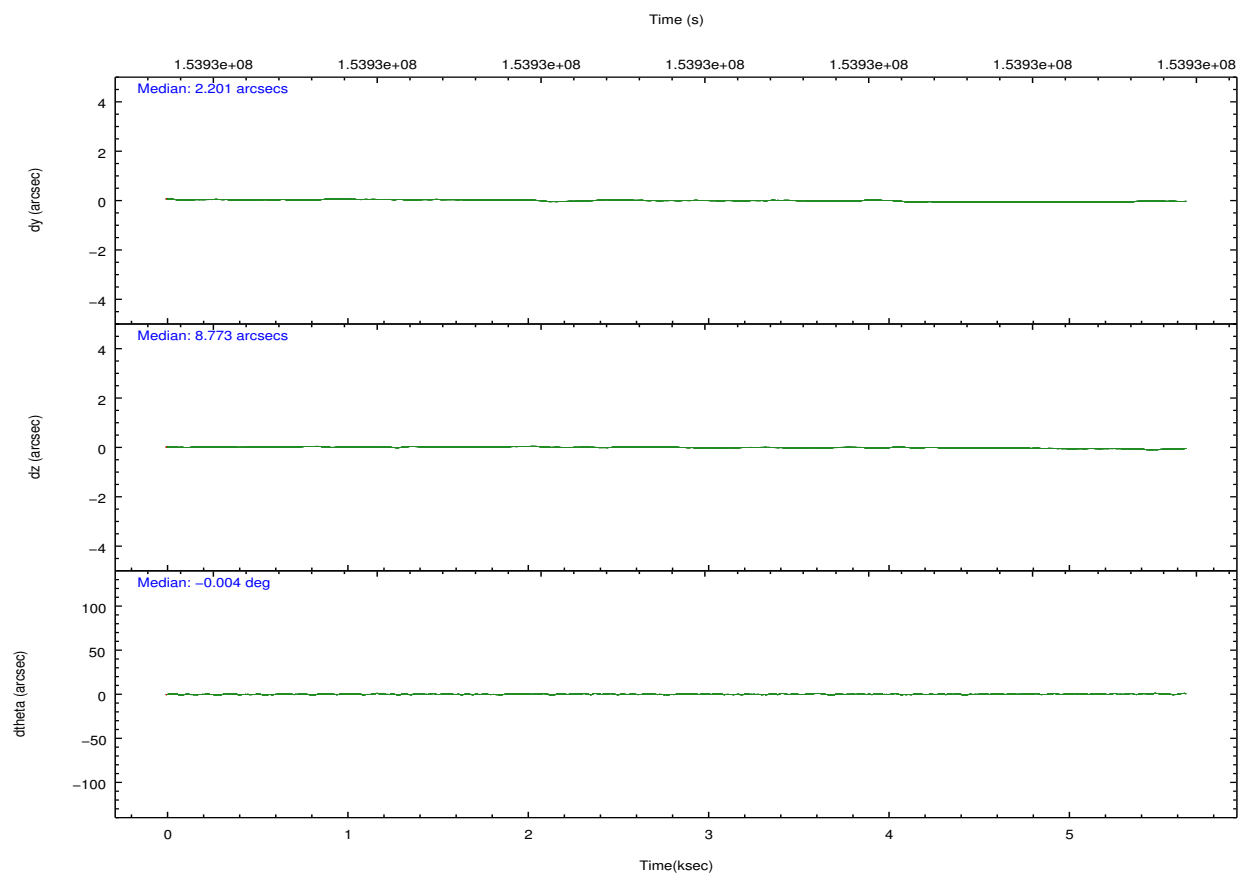
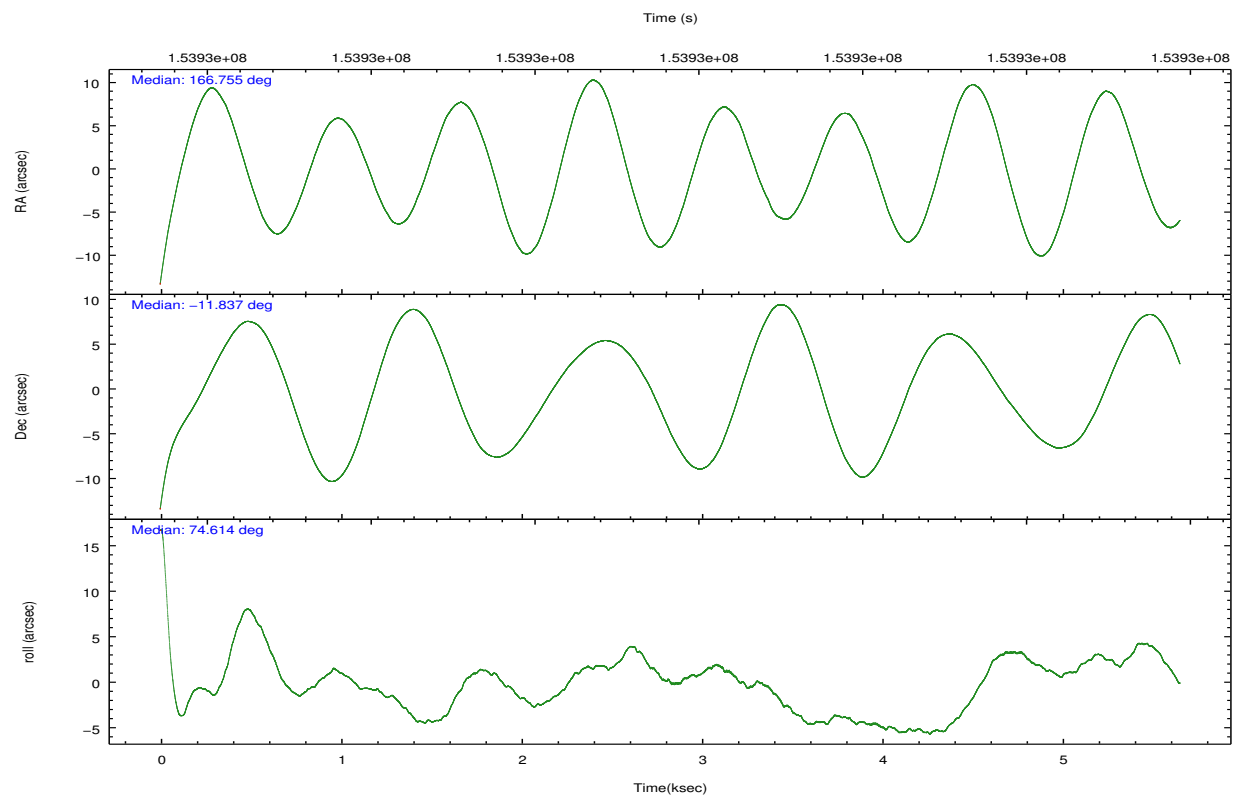
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	17649	16897	28409	17959	22298	23681	grade 0 events	1008	915	5570	965	973	1695
rejected events	15414	14750	13025	15563	12718	18246		5%	5%	19%	5%	4%	7%
rejected %	87%	87%	45%	86%	57%	77%	grade 1 events	13	8	198	12	24	12
								0%	0%	0%	0%	0%	0%
							grade 2 events	402	416	3283	501	1929	1111
								2%	2%	11%	2%	8%	4%
							grade 3 events	217	243	563	255	951	627
								1%	1%	1%	1%	4%	2%
							grade 4 events	226	217	515	232	895	584
								1%	1%	1%	1%	4%	2%
							grade 5 events	598	654	1879	754	2109	924
								3%	3%	6%	4%	9%	3%
							grade 6 events	383	357	5462	444	4835	1422
								2%	2%	19%	2%	21%	6%
							grade 7 events	14802	14087	10939	14796	10582	17306
								83%	83%	38%	82%	47%	73%

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	166.762474	166.7551073932547	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	-11.863357	-11.83702692800376	Subarray start row	257	257
[deg] Pointing Roll	74.464917	74.6200837696466	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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	153928647.184000	153927451.59466			
Observation start date	2002-11-17T13:56:23	2002-11-17T13:37:31			
[s] Observation end time (MET)	153933647.184000	153934403.14495			
Observation end date	2002-11-17T15:19:43	2002-11-17T15:33:23			
Read mode	TIMED	TIMED			

2.3 Aspect



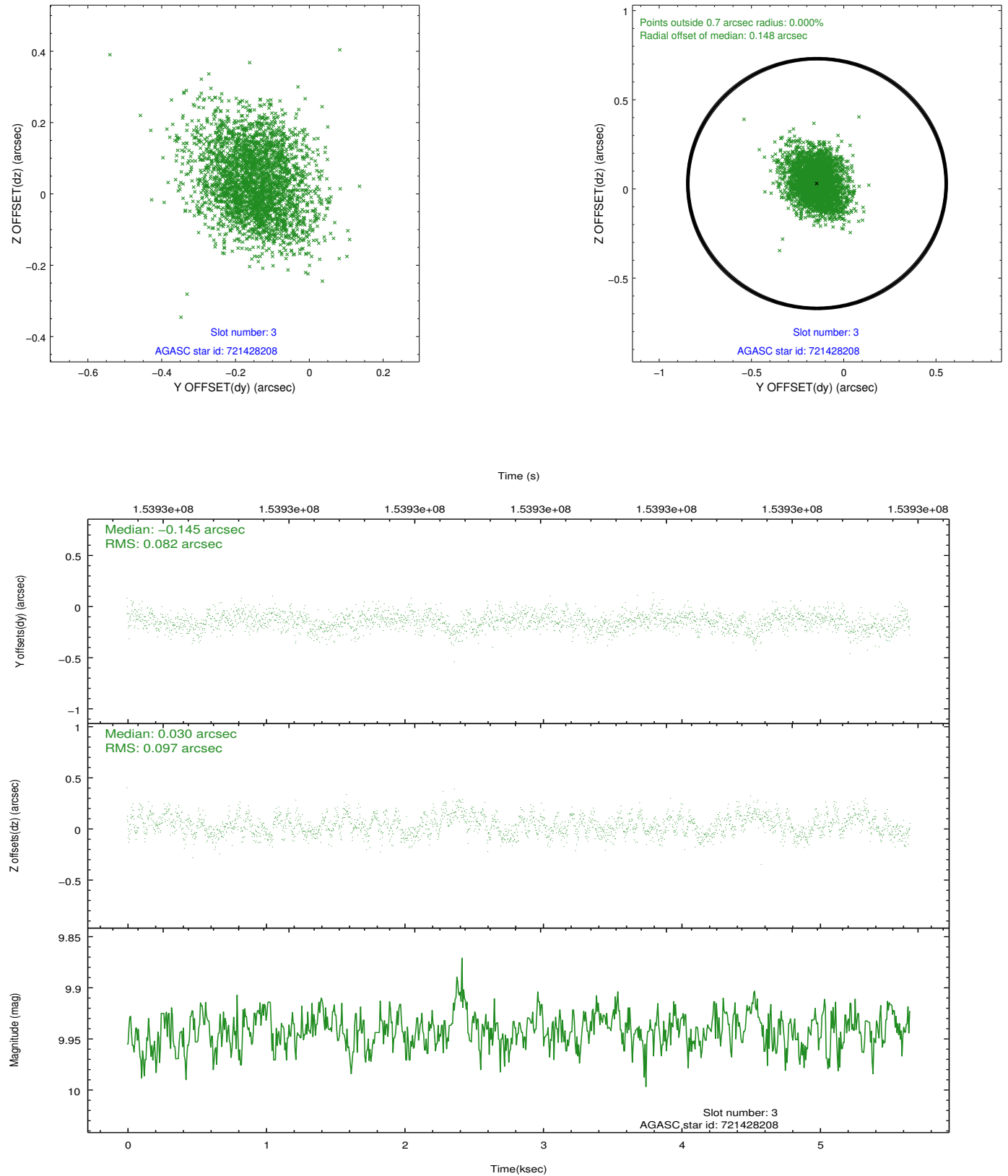


Slot Statistics

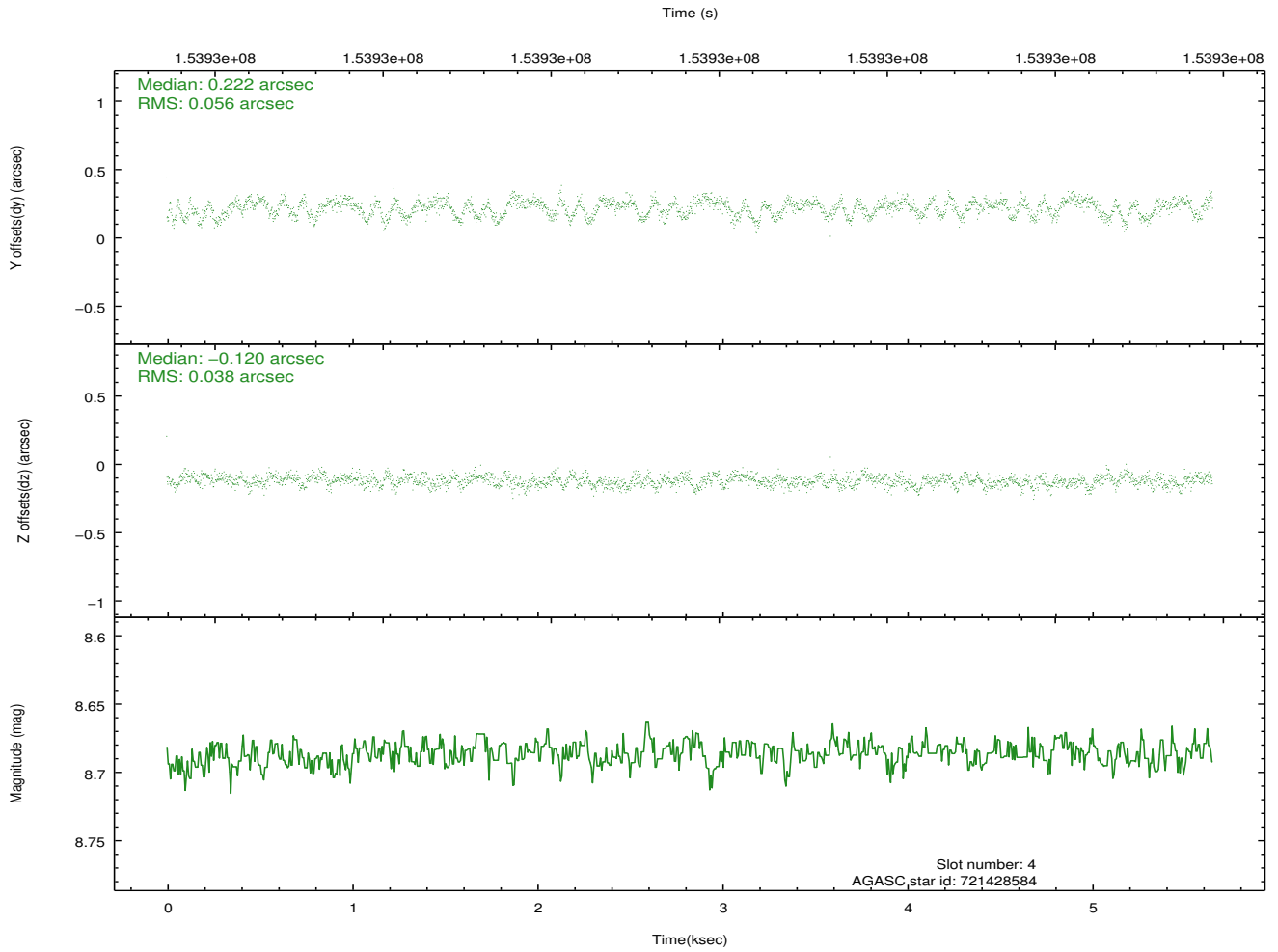
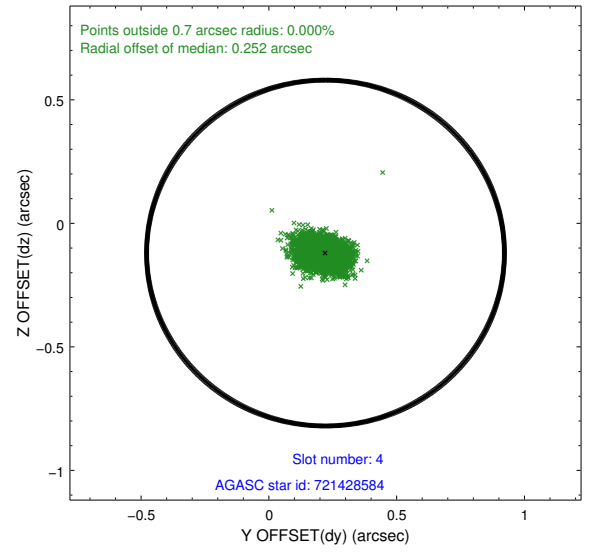
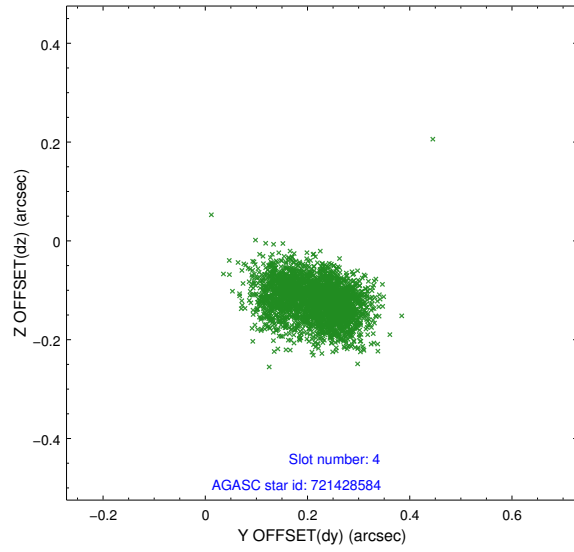
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1380	-0.031	-0.016	0.006	0.011	0.000000	0.000000	-754.86	-1729.94
1	FID	ACIS-S-4	7.20	1380	0.000	0.019	0.006	0.011	0.000000	0.000000	2157.98	177.47
2	FID	ACIS-S-5	7.24	1379	-0.001	0.006	0.007	0.012	0.000000	0.000000	-1806.30	172.35
3	GUIDE	721428208	9.94	2748	-0.145	0.030	0.134	0.216	167.218076	-11.341832	2237.56	-1046.41
4	GUIDE	721428584	8.69	2758	0.222	-0.120	0.073	0.115	166.389712	-12.165494	-1400.04	971.98
5	GUIDE	721433376	8.03	2759	0.068	-0.264	0.077	0.133	166.223582	-11.759425	-151.55	1930.34
6	GUIDE	721428688	9.13	2759	-0.114	0.185	0.092	0.152	167.280044	-11.370452	2196.47	-1283.81
7	GUIDE	721427032	9.19	2757	-0.023	0.169	0.087	0.141	167.356230	-12.055223	-107.55	-2199.57

2.4 Star Slots

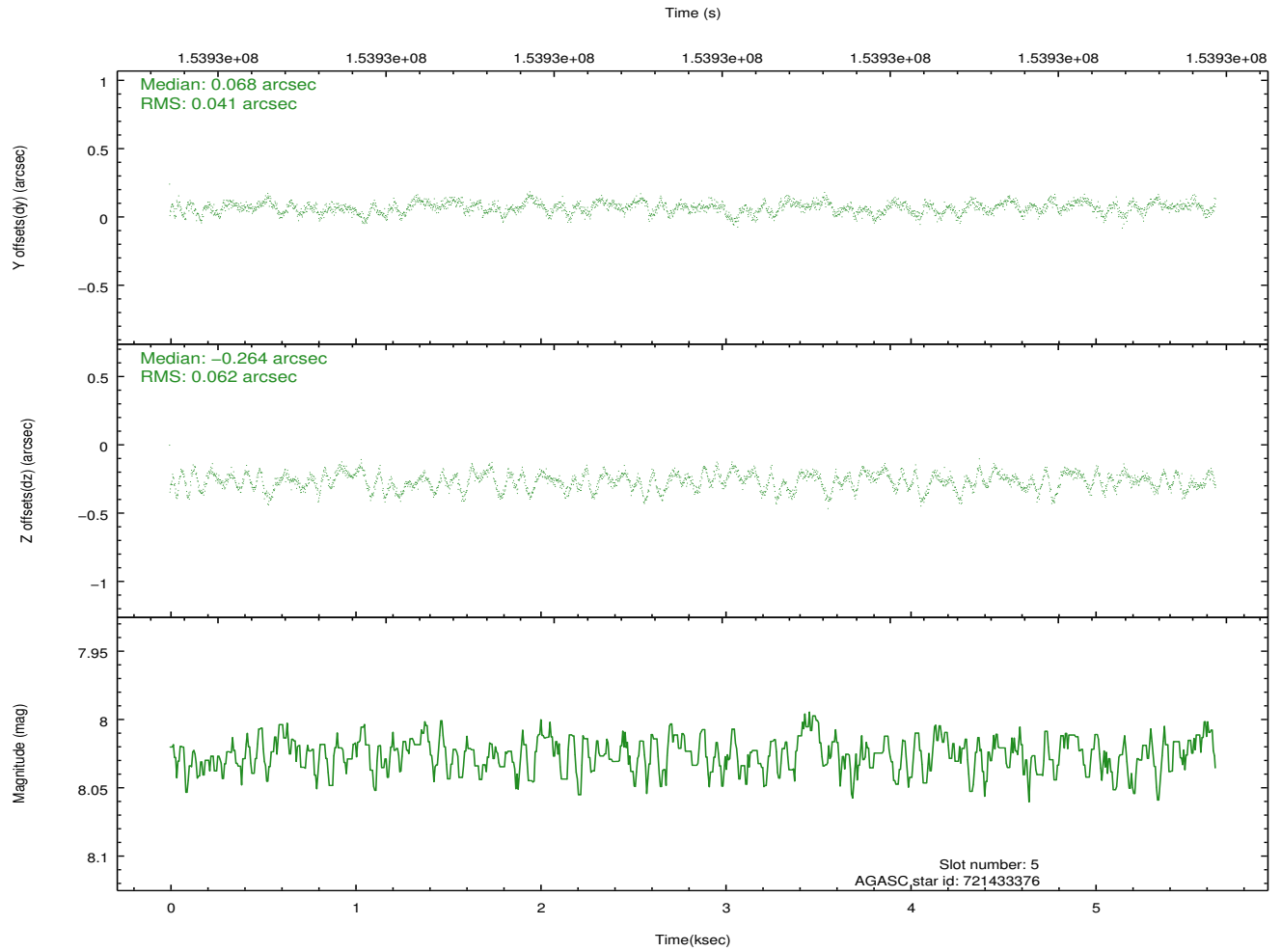
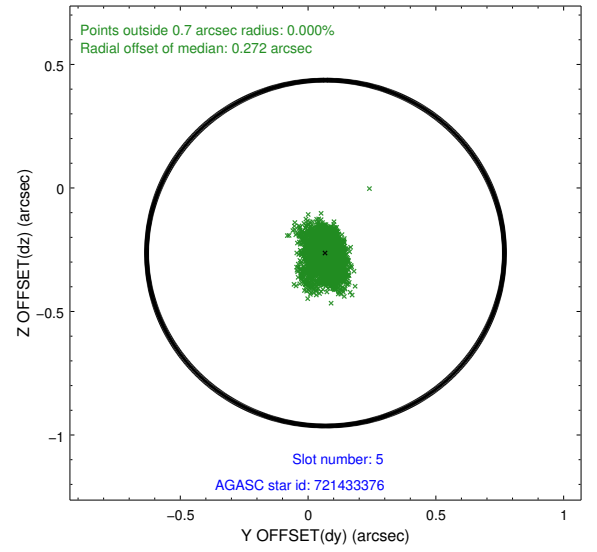
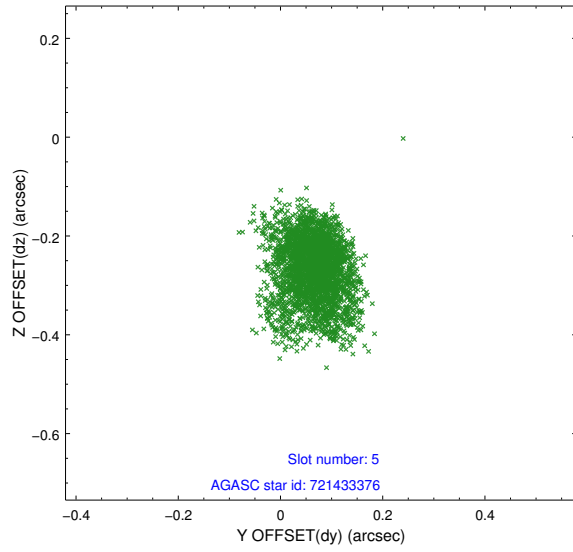
2.4.1 Slot 3



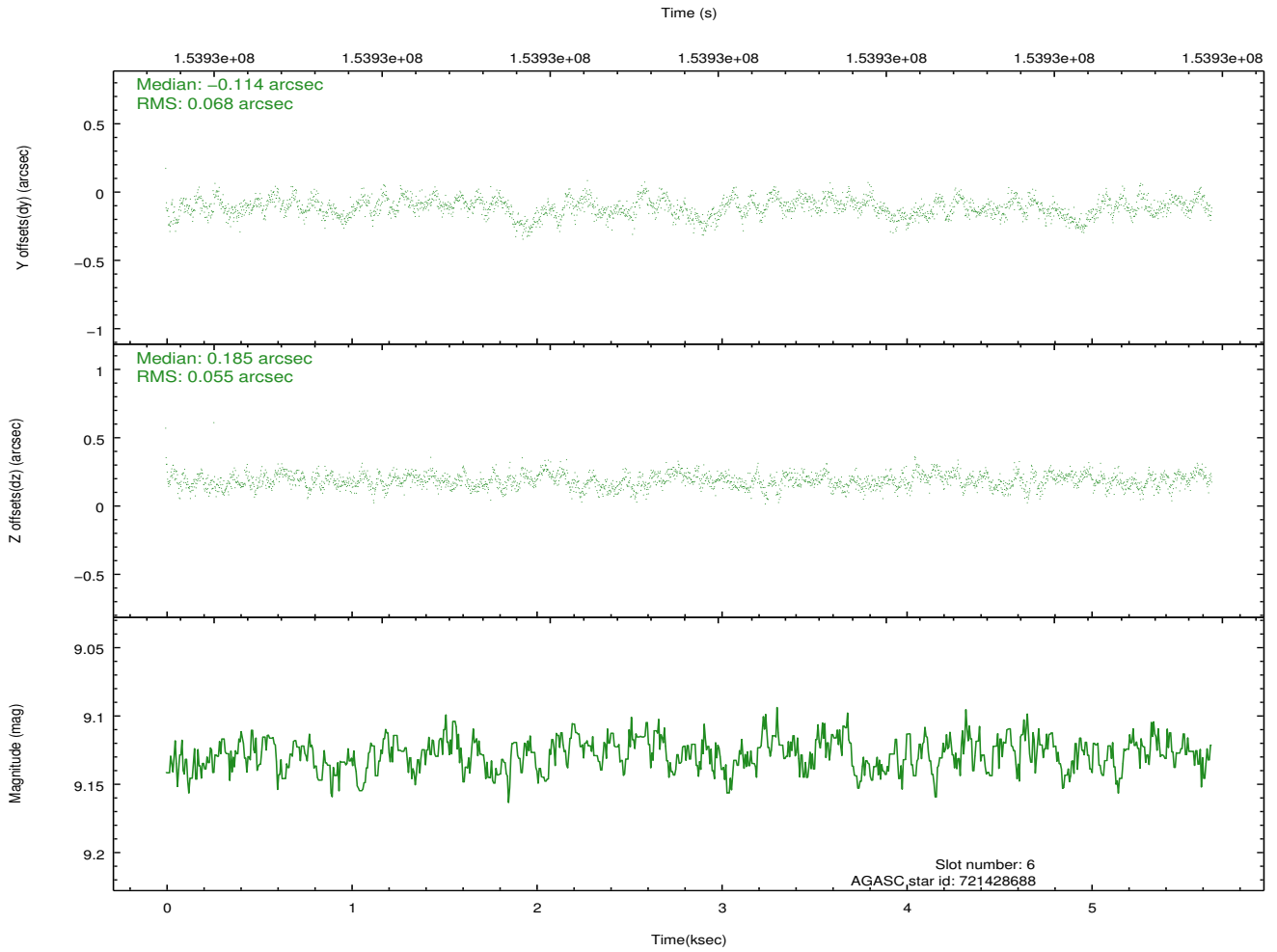
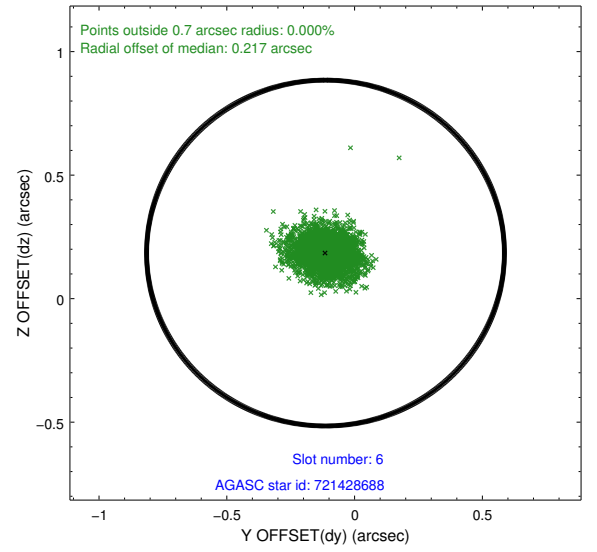
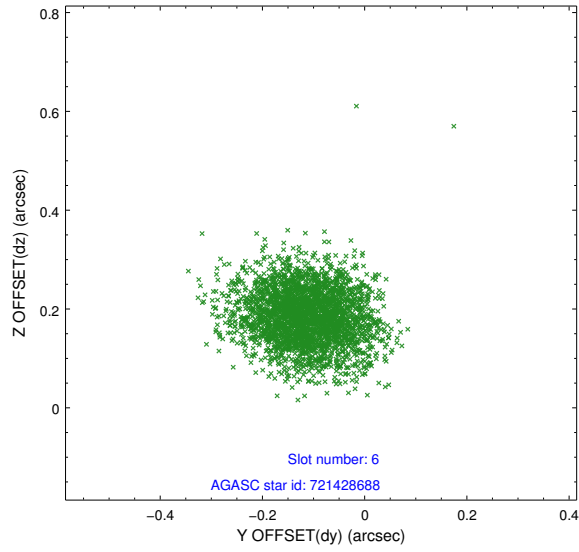
2.4.2 Slot 4



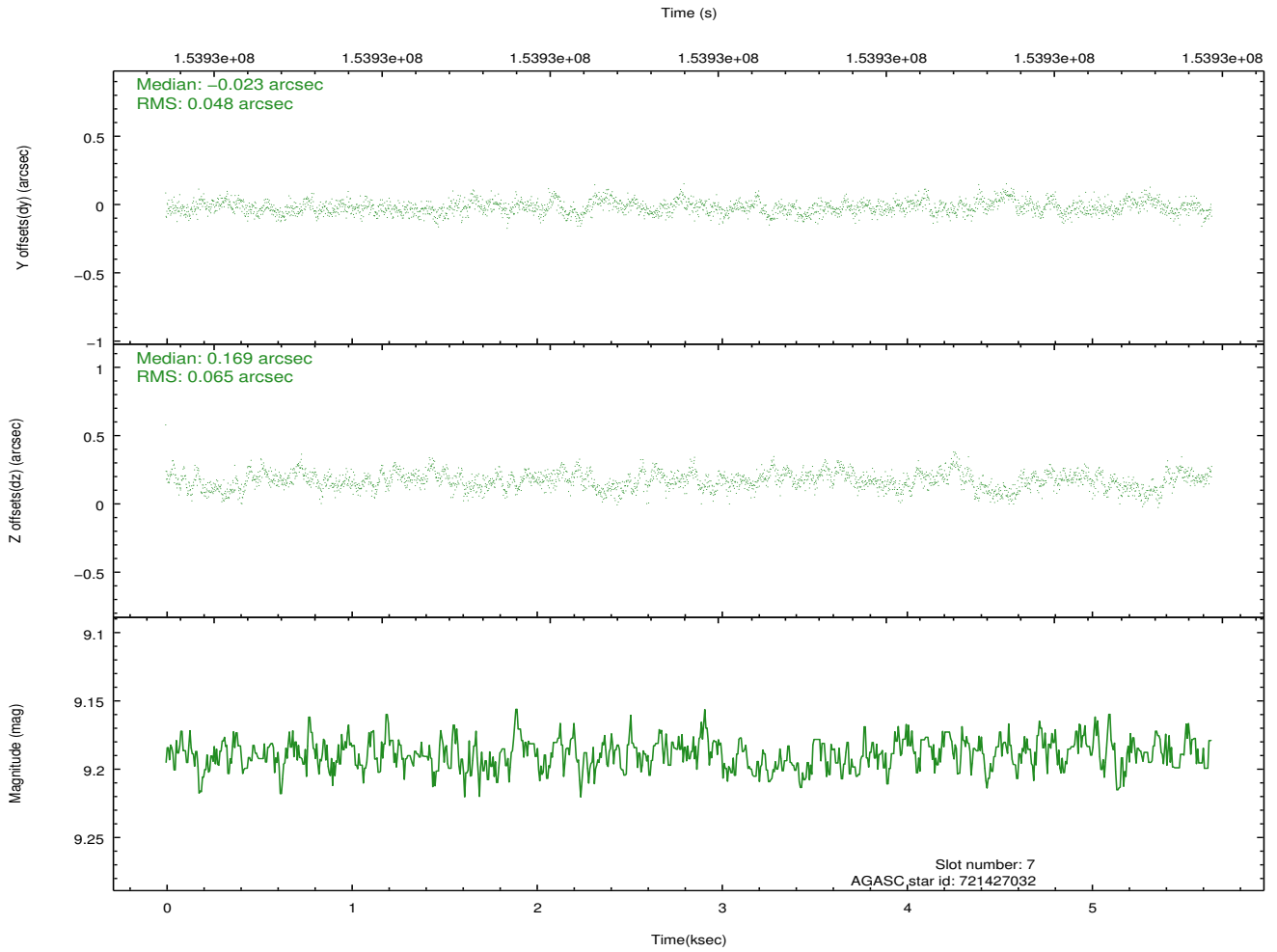
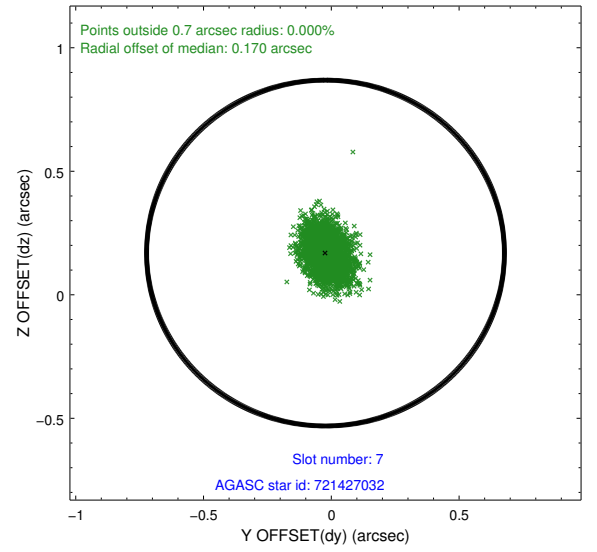
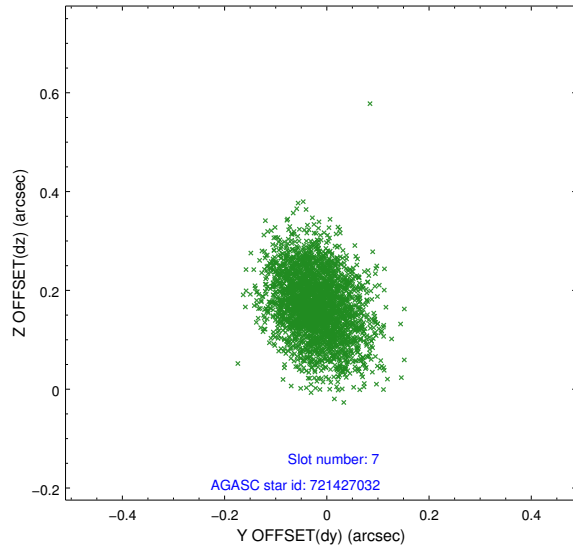
2.4.3 Slot 5



2.4.4 Slot 6

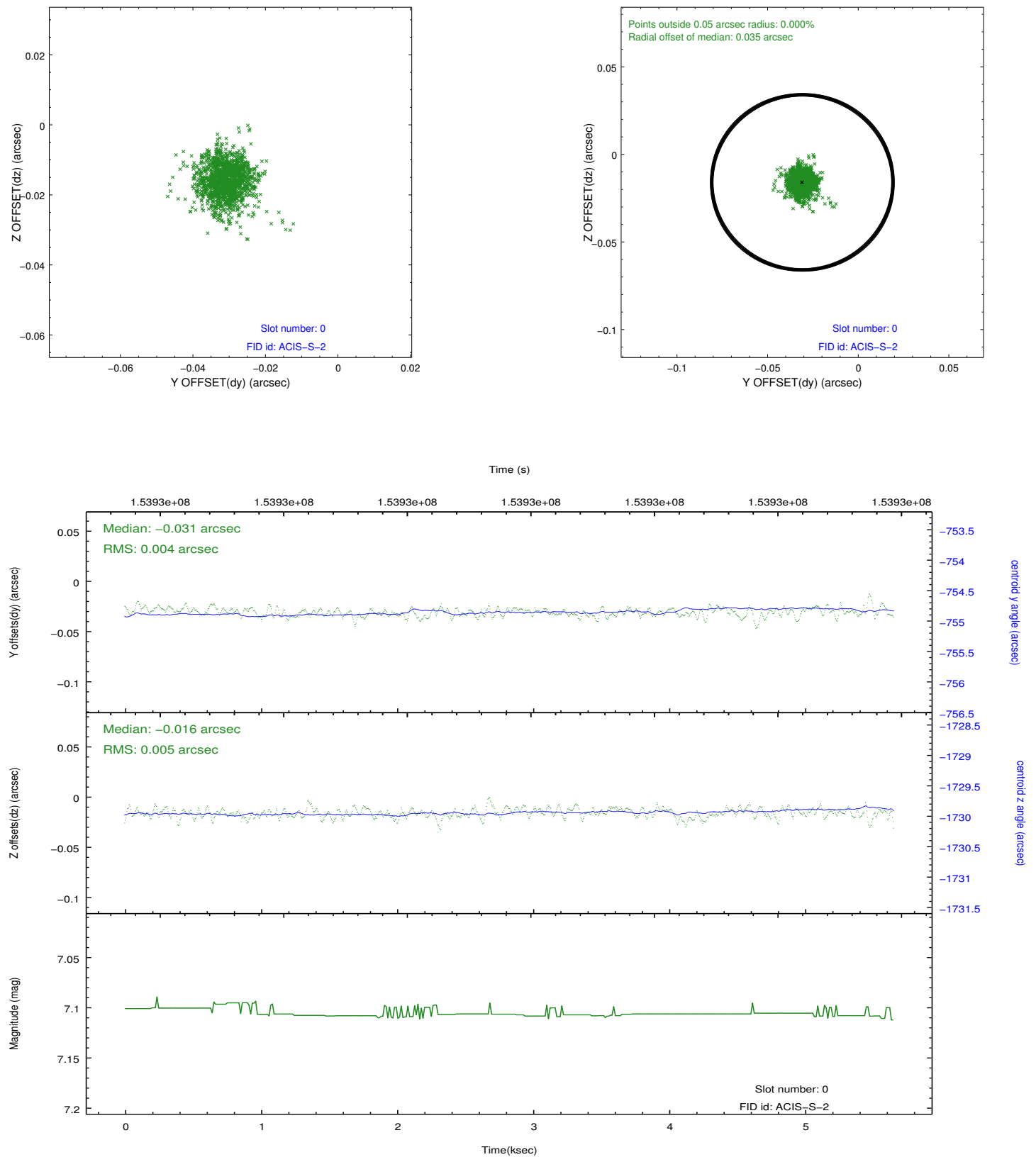


2.4.5 Slot 7

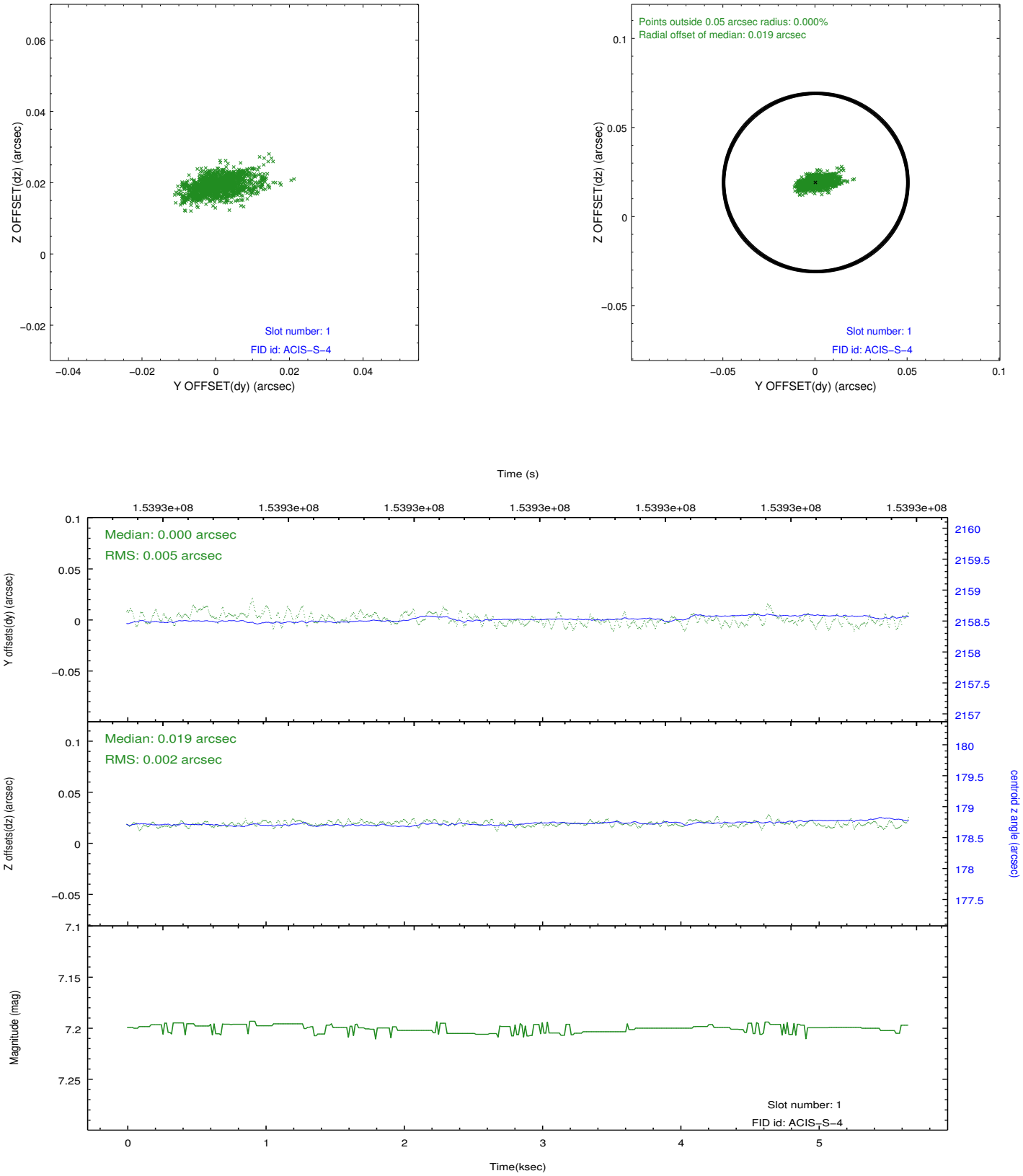


2.5 FID Slots

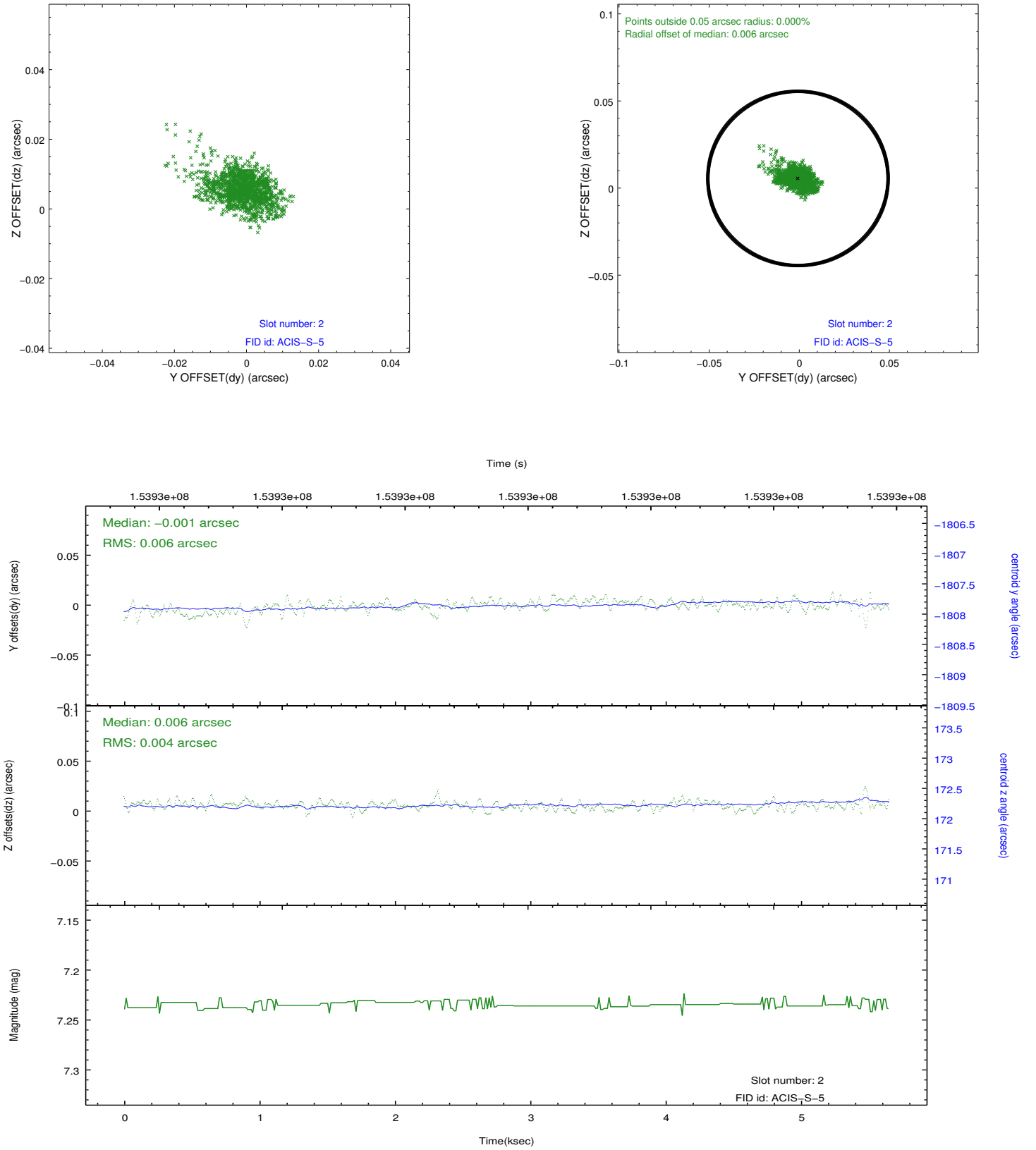
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.10.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.373

A.2 Comments

Joint Proposal: NOAO