

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3337 - L2 Version 3
Chandra X-Ray Center

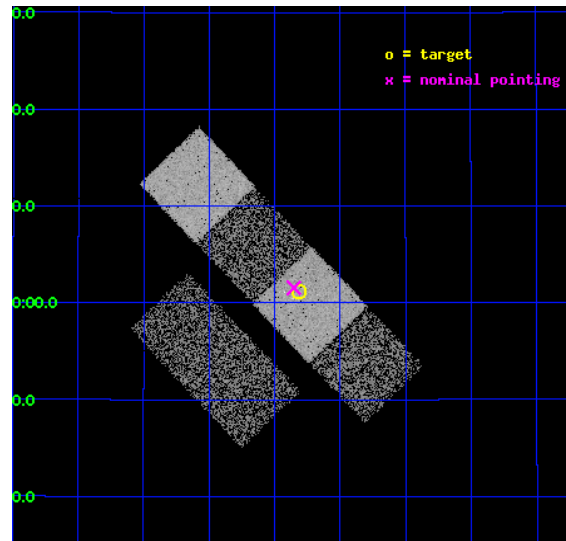
L2 Processing Date : Oct 19 2012

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1 Front

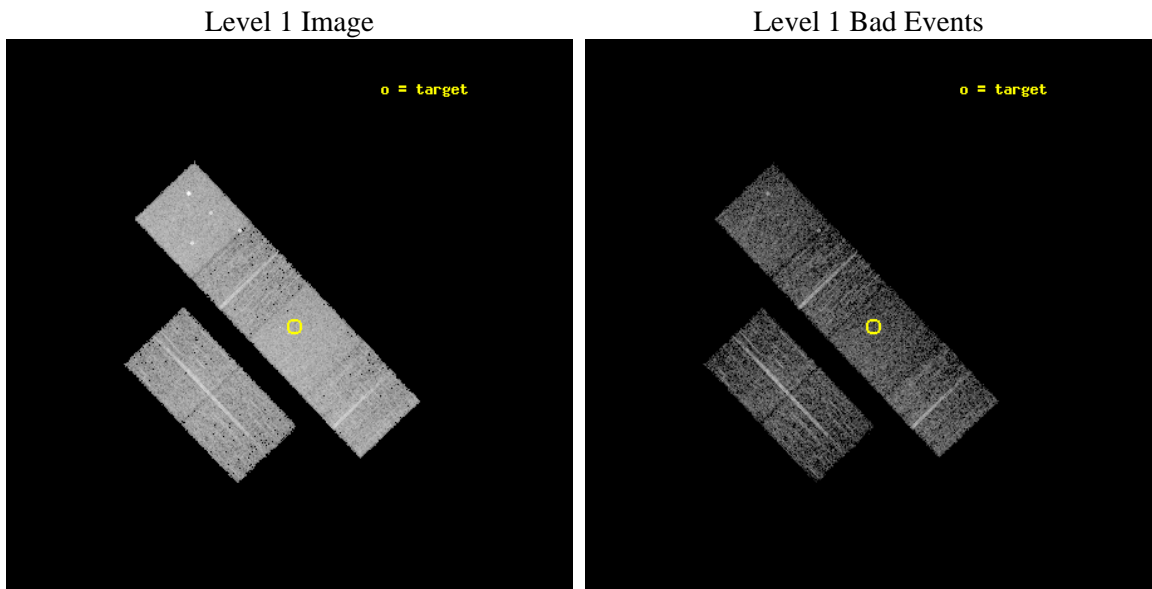
seq_num	900176	Sequence number
obs_id	3337	Observation id
title	THE SHEEP SURVEY: WHAT KIND OF OBJECTS MAKE THE X-RAY BACKGROUND?	
observer	Prof Kirpal Nandra	Principal investigator
object	AX J1532.3+2401	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	233.079583	Observer's specified target RA [deg]
dec_targ	24.020278	Observer's specified target Dec [deg]
ra_nom	233.08819174786	Nominal RA [deg]
dec_nom	24.025964152777	Nominal Dec [deg]
roll_nom	46.317307474787	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4959.8280343115	Sum of GTIs [s]
livetime	4897.0237052912	Livetime [s]
ontime2	4959.8690743148	Sum of GTIs [s]
ontime3	4959.7049143016	Sum of GTIs [s]
ontime5	4959.7869943082	Sum of GTIs [s]
ontime6	4959.7459543049	Sum of GTIs [s]
ontime7	4959.8280343115	Sum of GTIs [s]
ontime8	4959.6638743281	Sum of GTIs [s]
l2events	50941	Number of level 2 events



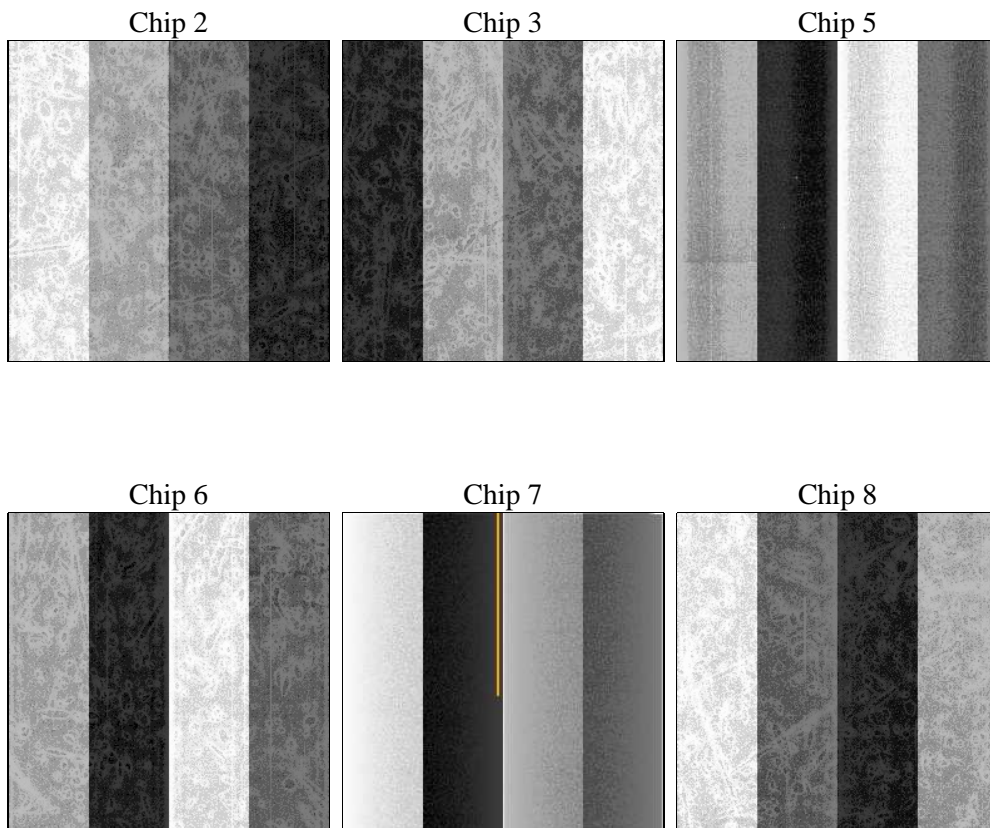
2 OBI

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	4959.8280343115	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	4959.8690743148	Sum of GTIs [s]
date	2012-10-19T14:19:19	Date and time of file creation	ontime3	4959.7049143016	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4959.7869943082	Sum of GTIs [s]
			ontime6	4959.7459543049	Sum of GTIs [s]
			ontime7	4959.8280343115	Sum of GTIs [s]
			ontime8	4959.6638743281	Sum of GTIs [s]
			l1events	218151	Number of level 1 events

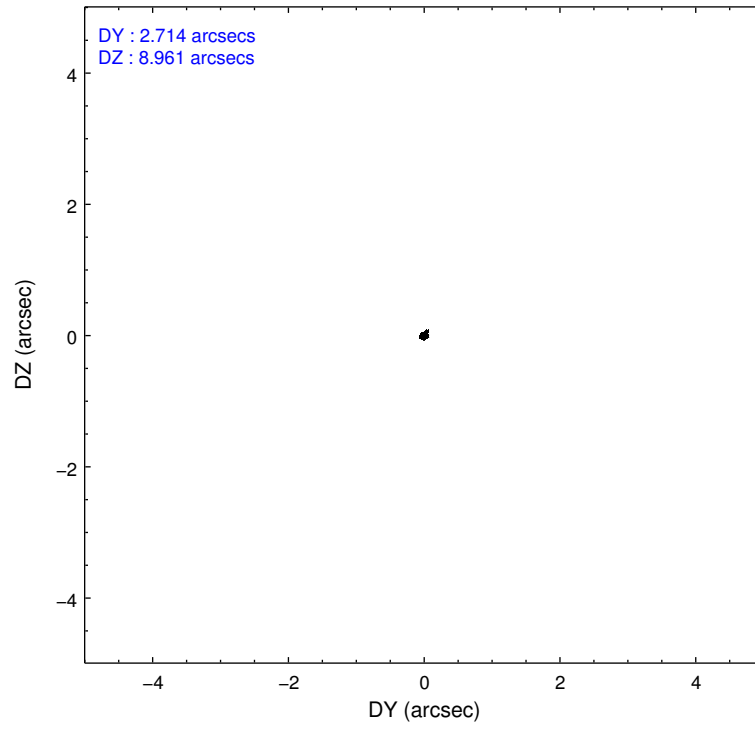
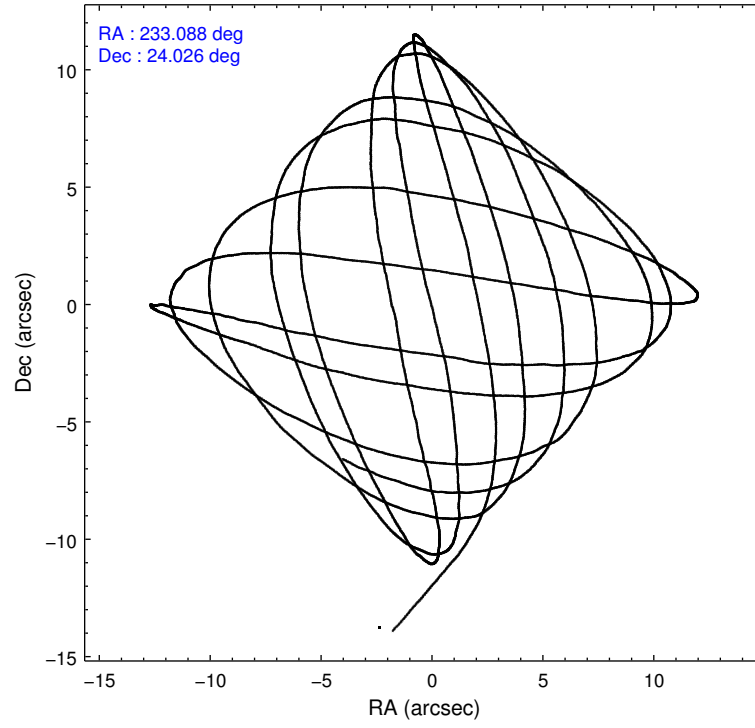
2.1.4 Events

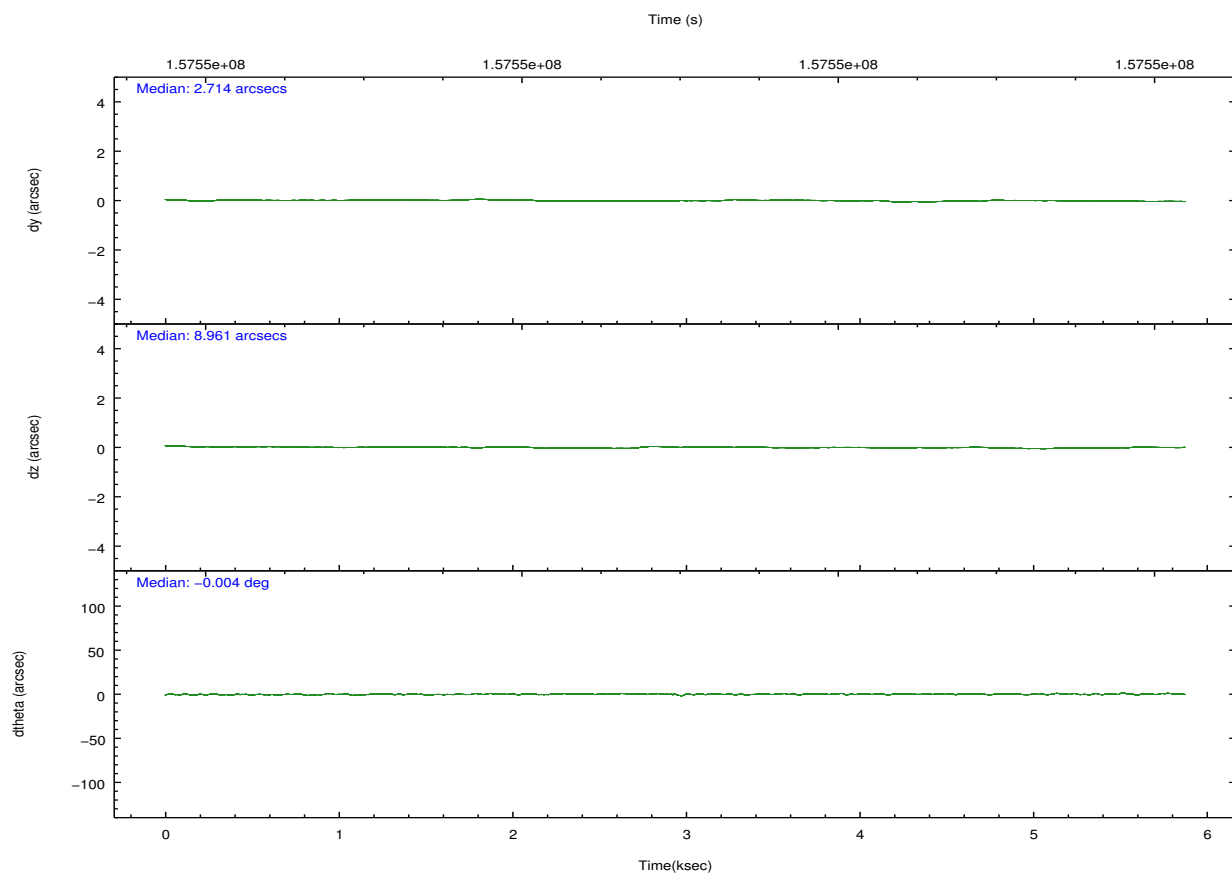
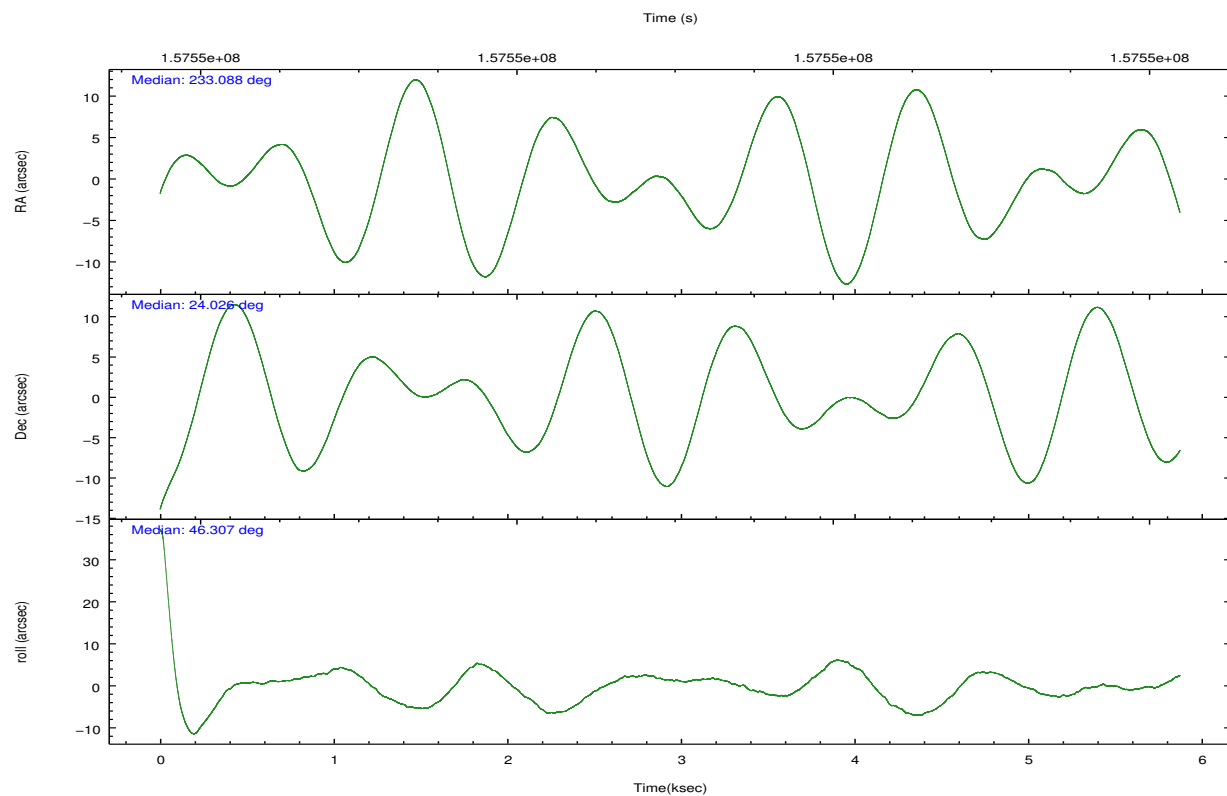
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	31456	28715	47385	31050	42039	37506	grade 0 events	1594	1607	3398	1545	1889	2397
rejected events	27781	25221	24632	27344	23661	30213		5%	5%	7%	4%	4%	6%
rejected %	88%	87%	51%	88%	56%	80%	grade 1 events	20	19	304	19	42	27
								0%	0%	0%	0%	0%	0%
							grade 2 events	768	644	6546	734	3577	1583
								2%	2%	13%	2%	8%	4%
							grade 3 events	359	334	918	366	1713	797
								1%	1%	1%	1%	4%	2%
							grade 4 events	372	338	940	321	1697	707
								1%	1%	1%	1%	4%	1%
							grade 5 events	1140	1283	3445	1422	3929	1854
								3%	4%	7%	4%	9%	4%
							grade 6 events	587	574	10976	747	9532	1839
								1%	1%	23%	2%	22%	4%
							grade 7 events	26616	23916	20858	25896	19660	28302
								84%	83%	44%	83%	46%	75%

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	233.081460	233.0881917478637	Subarray requested	NONE	NONE
[deg] Pointing Dec	23.999453	24.02596415277684	Alternating exposures requested	N	N
[deg] Pointing Roll	46.163335	46.31730747478734	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	157546903.184000	157545597.70806			
Observation start date	2002-12-29T11:00:39	2002-12-29T10:39:57			
[s] Observation end time (MET)	157551903.184000	157552224.33333			
Observation end date	2002-12-29T12:23:59	2002-12-29T12:30:24			
Read mode	TIMED	TIMED			

2.3 Aspect



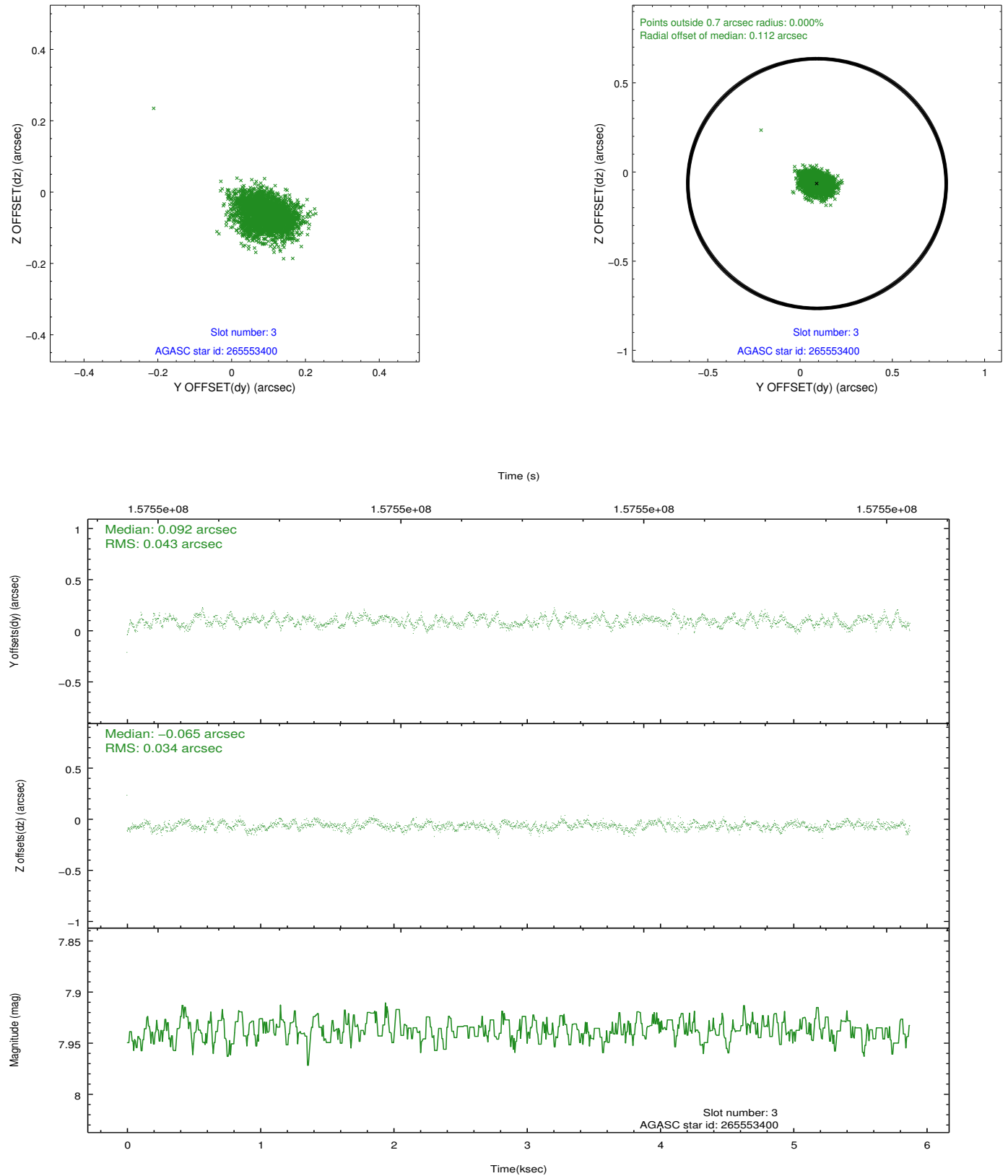


Slot Statistics

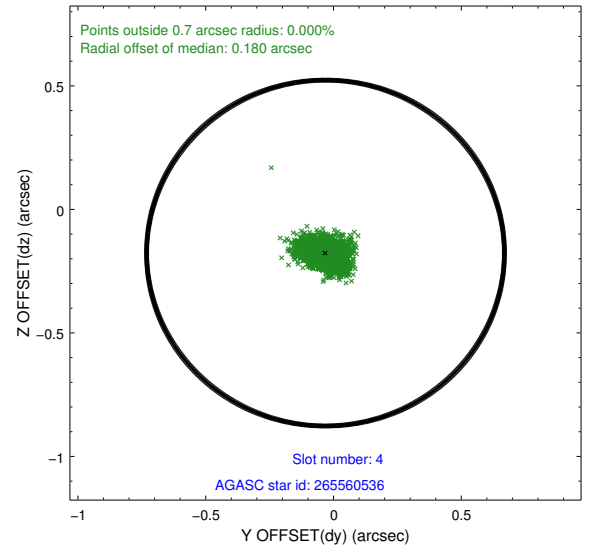
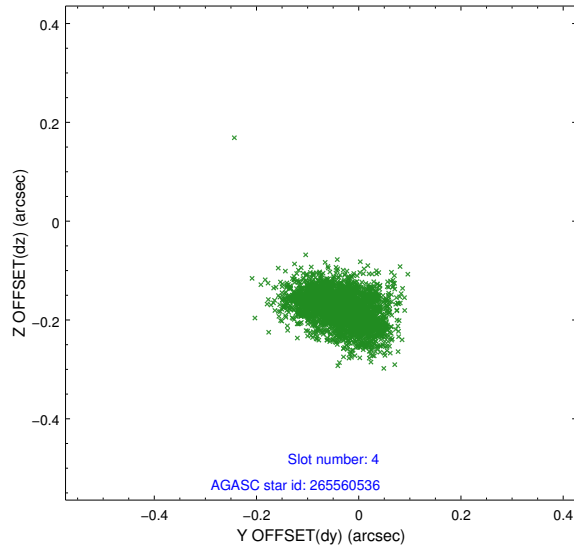
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1433	-0.023	-0.004	0.007	0.011	0.000000	0.000000	-755.37	-1730.13
1	FID	ACIS-S-4	7.20	1433	-0.004	0.012	0.006	0.011	0.000000	0.000000	2157.47	177.33
2	FID	ACIS-S-5	7.24	1433	-0.004	0.000	0.007	0.012	0.000000	0.000000	-1806.89	172.13
3	GUIDE	265553400	7.94	2867	0.092	-0.065	0.059	0.092	232.475560	23.817136	-1852.54	987.97
4	GUIDE	265560536	8.06	2867	-0.031	-0.177	0.065	0.106	232.543821	23.755517	-1858.72	672.34
5	GUIDE	265562656	8.93	2866	-0.091	0.200	0.068	0.113	233.555152	23.638057	145.07	-2025.11
6	GUIDE	265563224	8.50	2867	-0.048	0.169	0.080	0.126	233.424580	23.443962	-656.27	-2201.54
7	GUIDE	265558384	9.65	2864	0.081	-0.123	0.094	0.152	232.899731	24.051291	-279.09	560.07

2.4 Star Slots

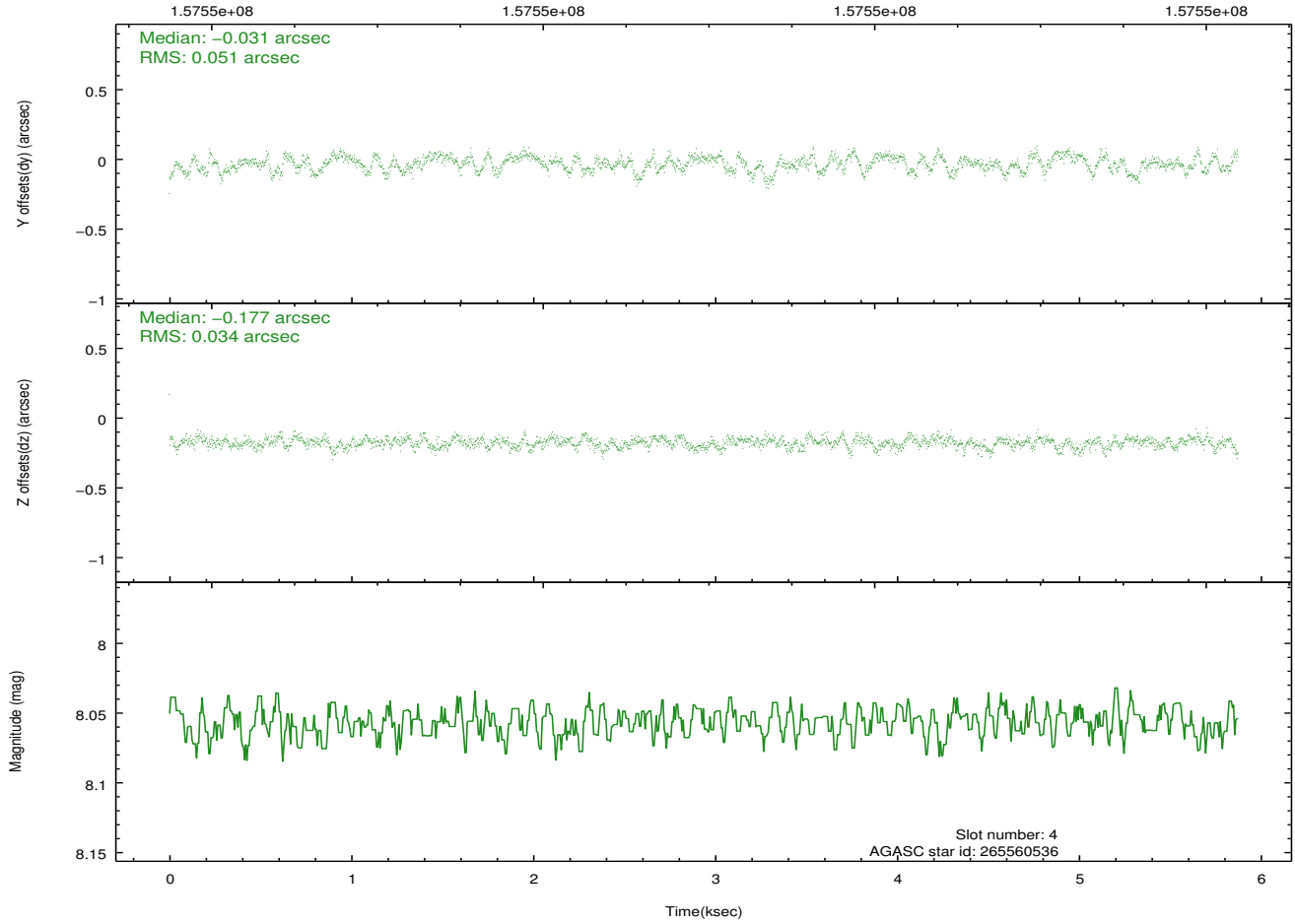
2.4.1 Slot 3



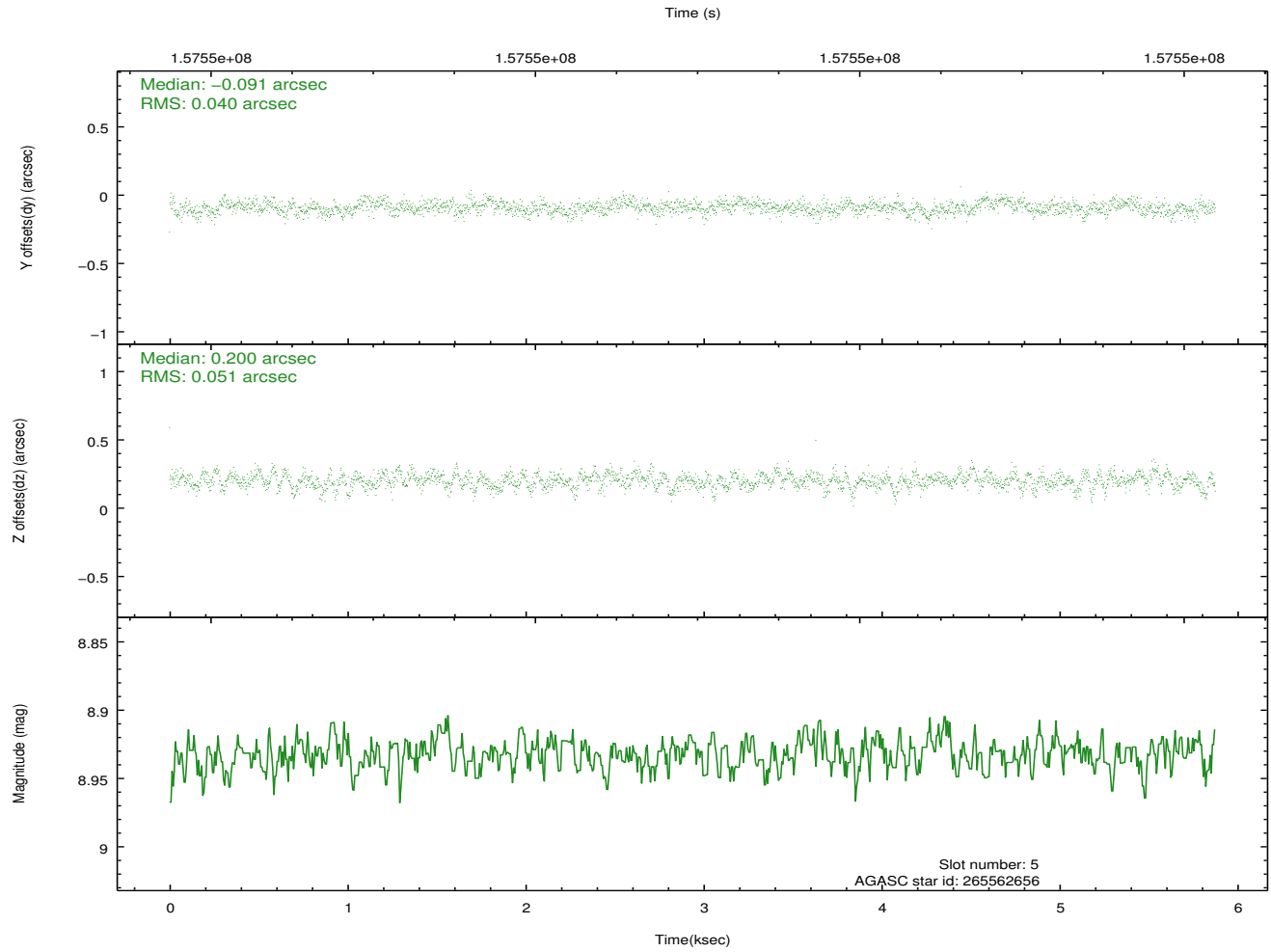
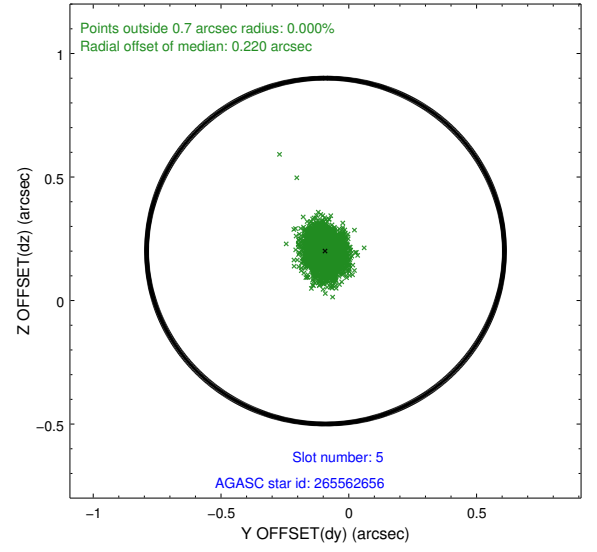
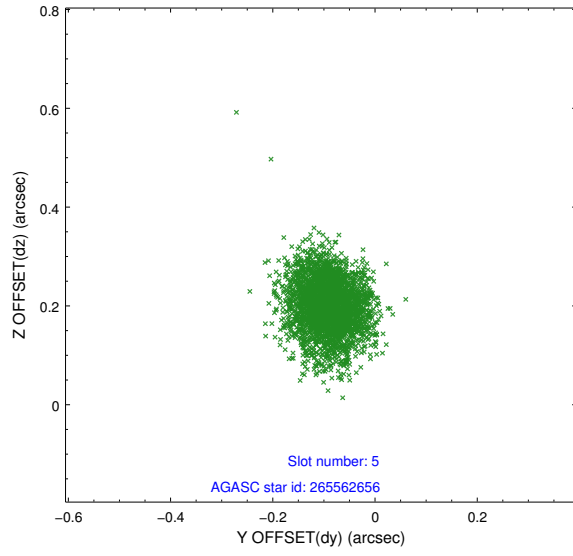
2.4.2 Slot 4



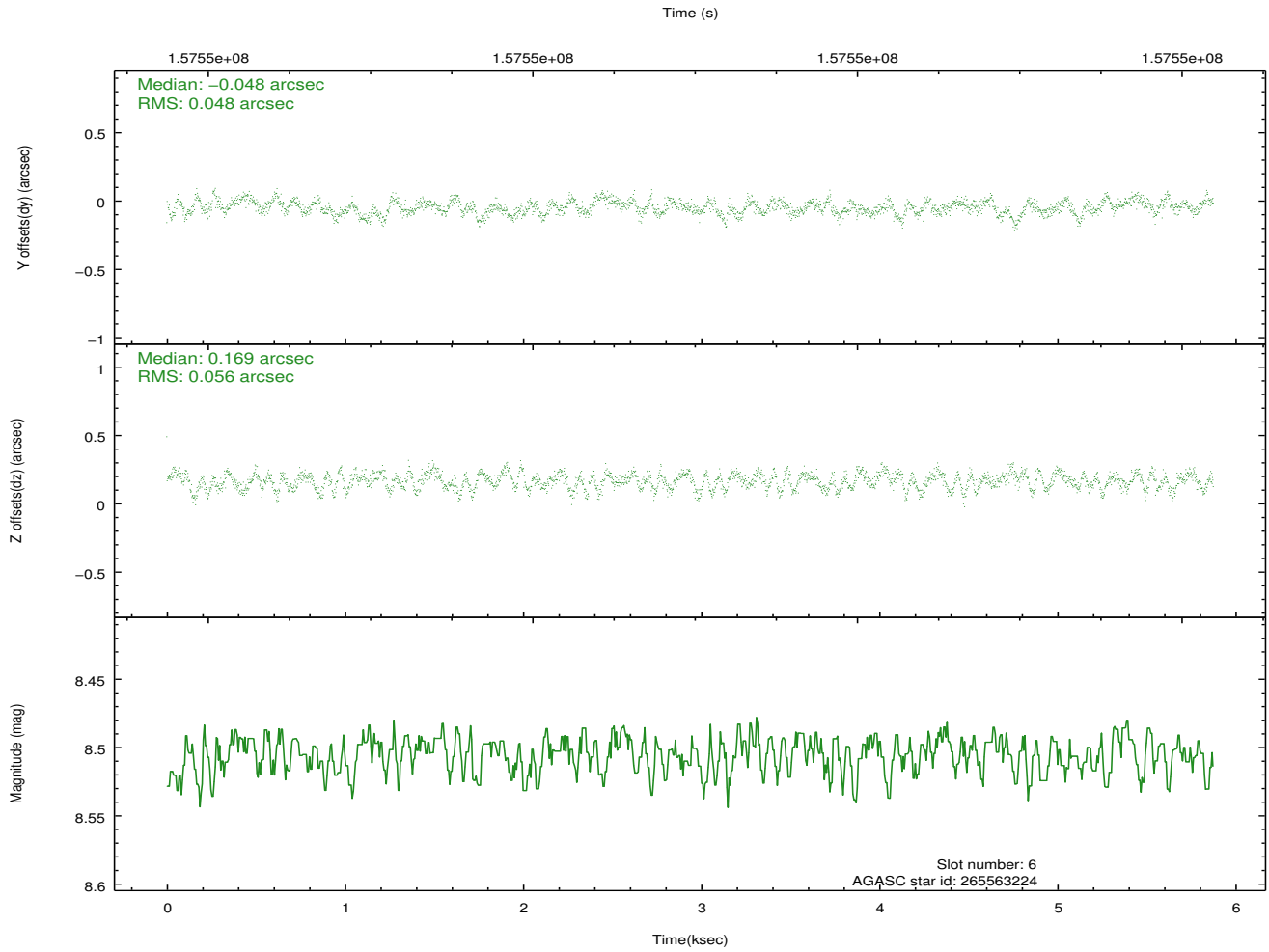
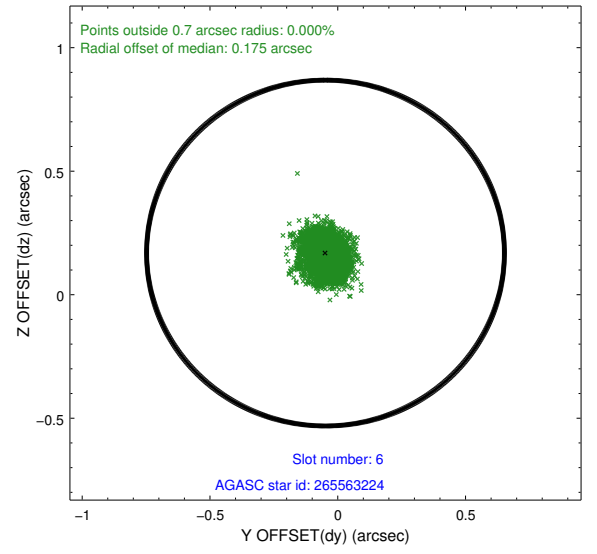
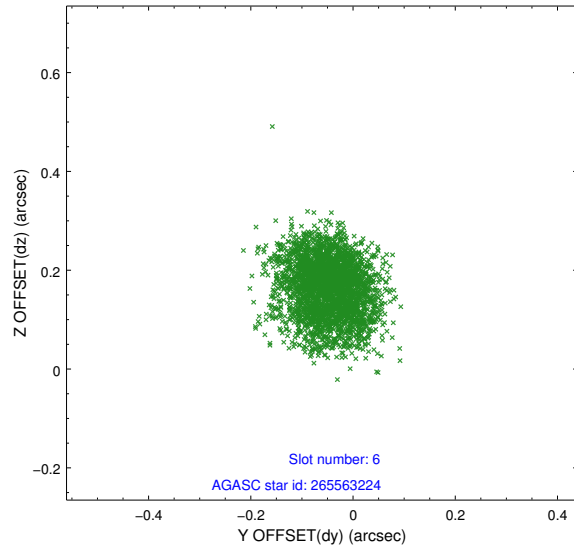
Time (s)



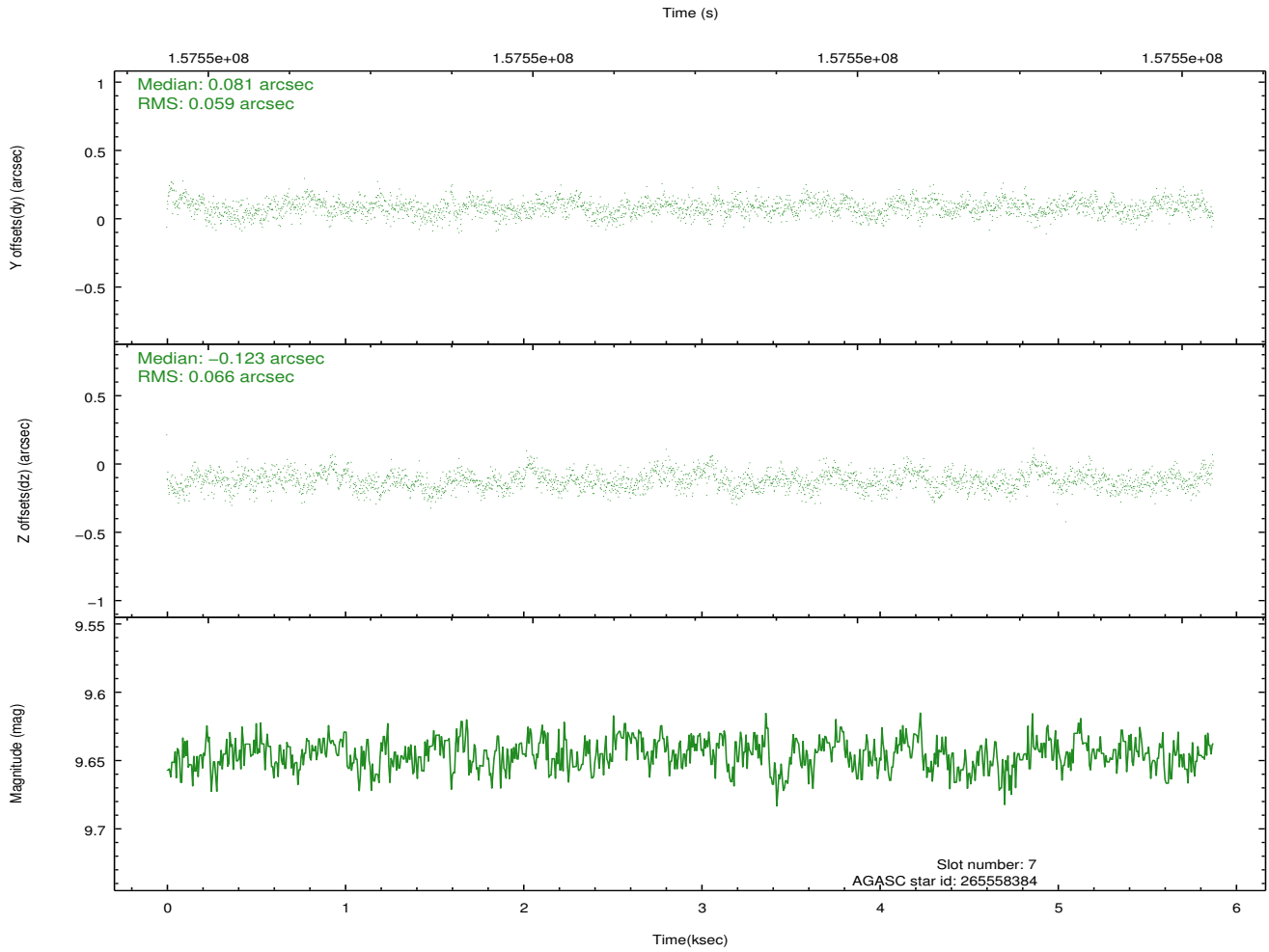
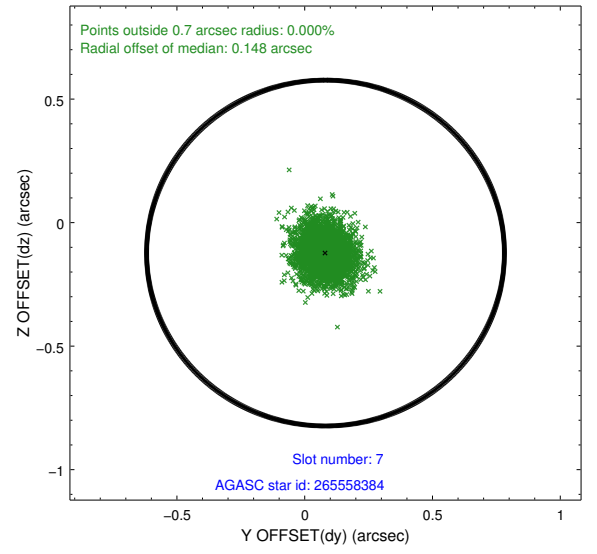
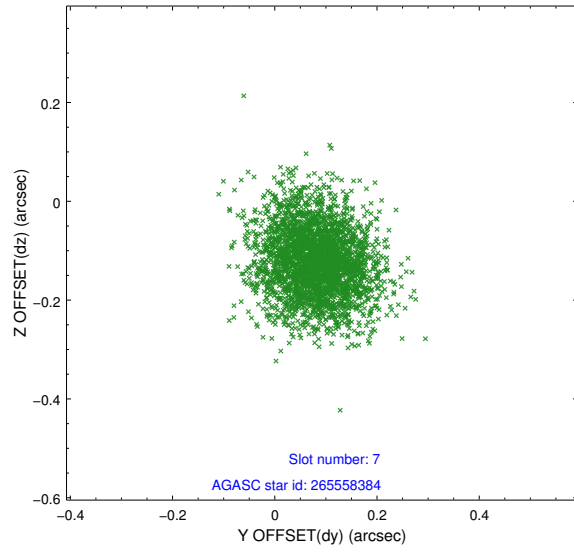
2.4.3 Slot 5



2.4.4 Slot 6

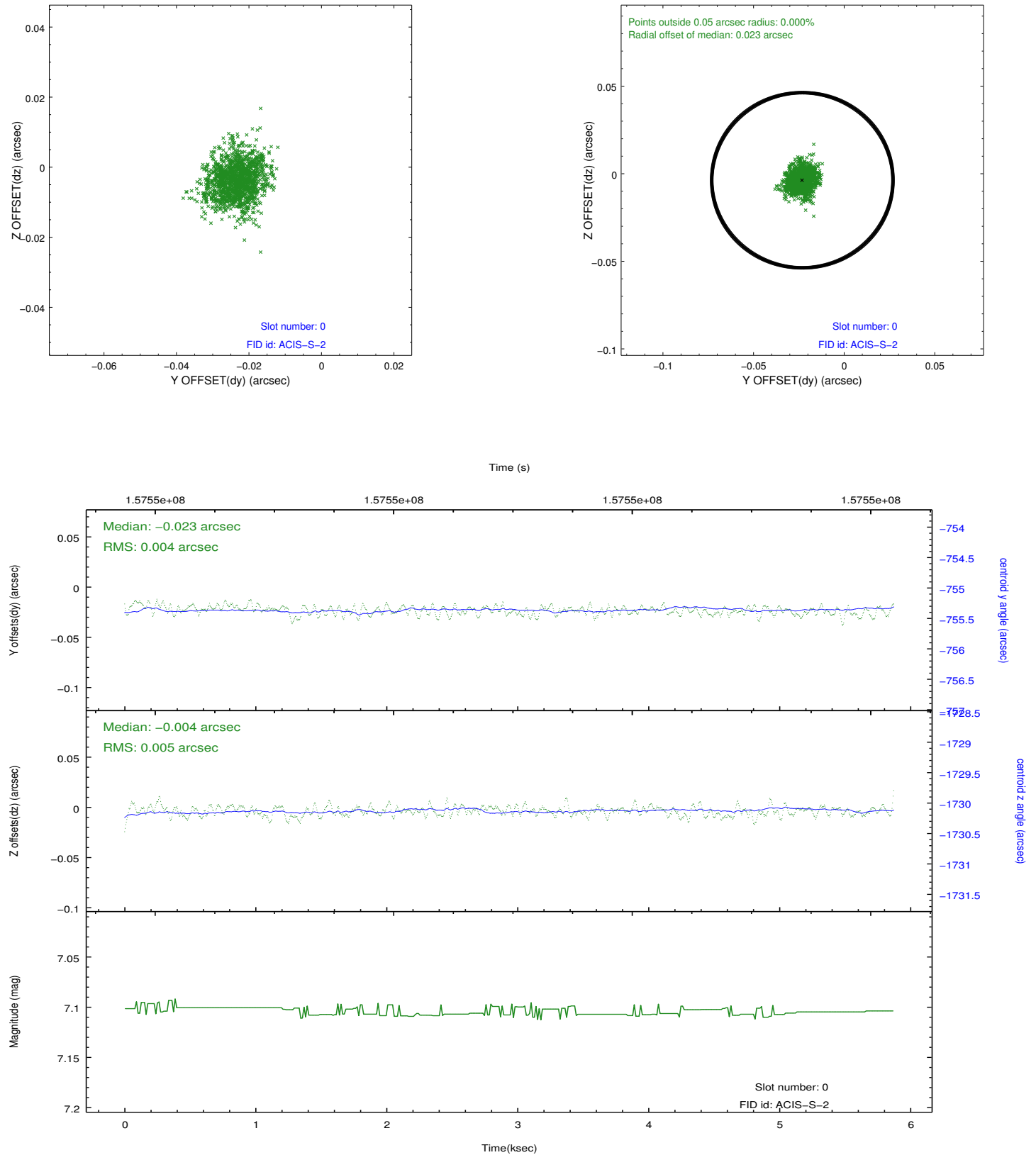


2.4.5 Slot 7

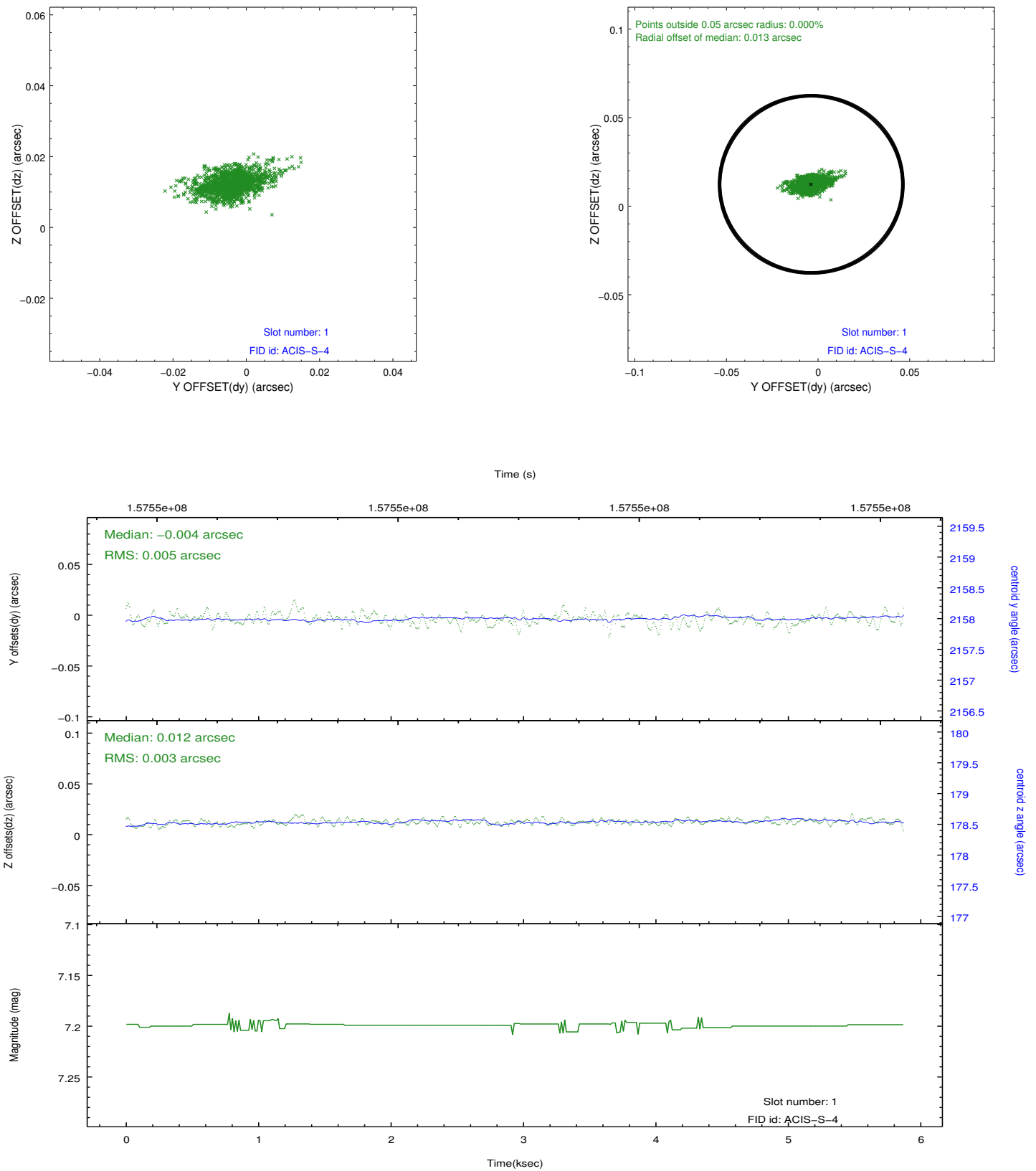


2.5 FID Slots

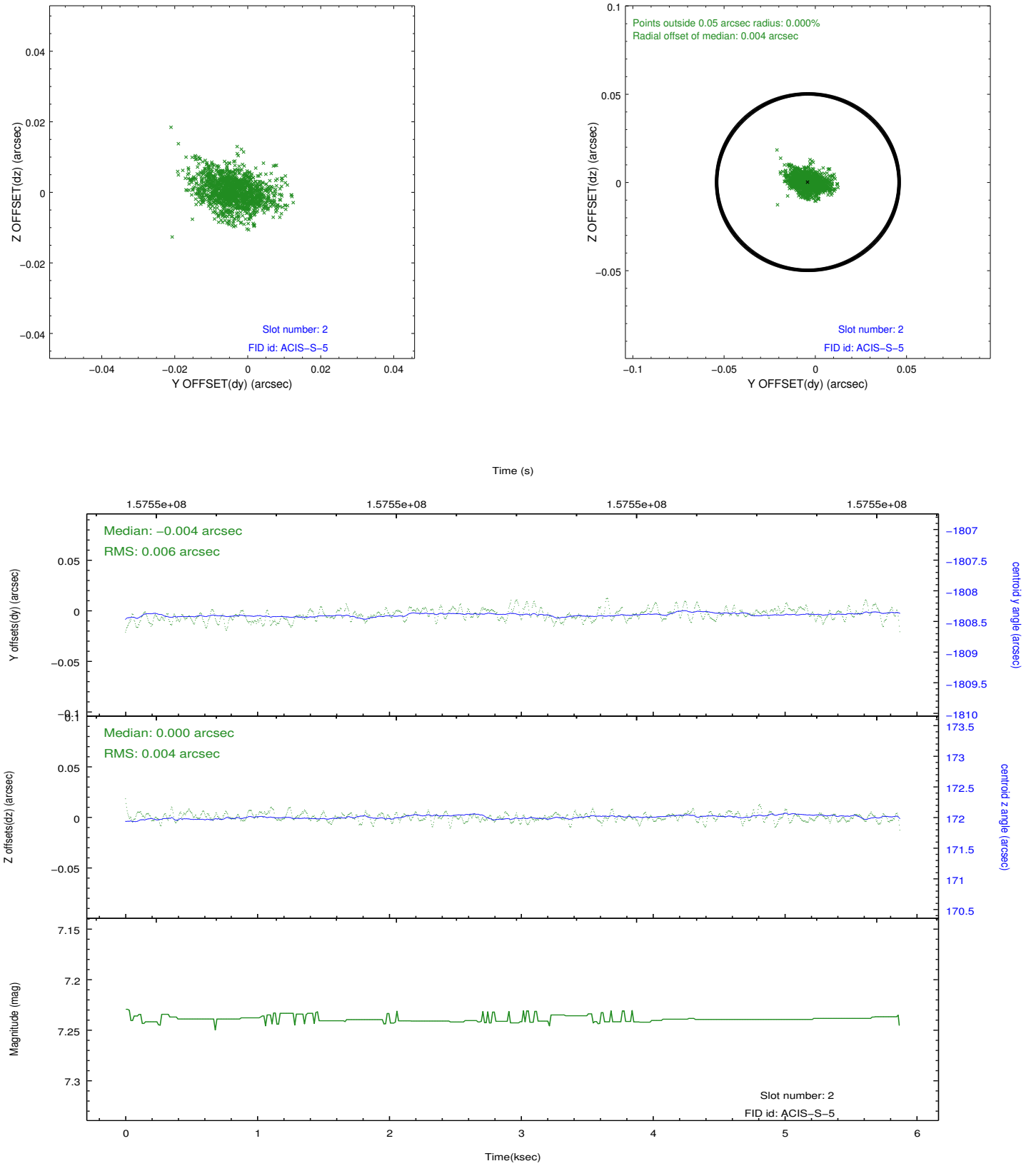
2.5.1 Slot 0



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)	2012.10.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.959

A.2 Comments

Joint Proposal: NOAO