

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3315 - L2 Version 3
Chandra X-Ray Center

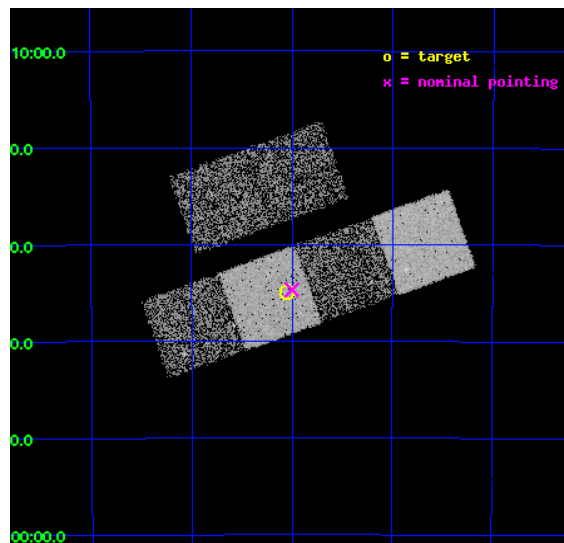
L2 Processing Date : Oct 9 2012

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1 Front

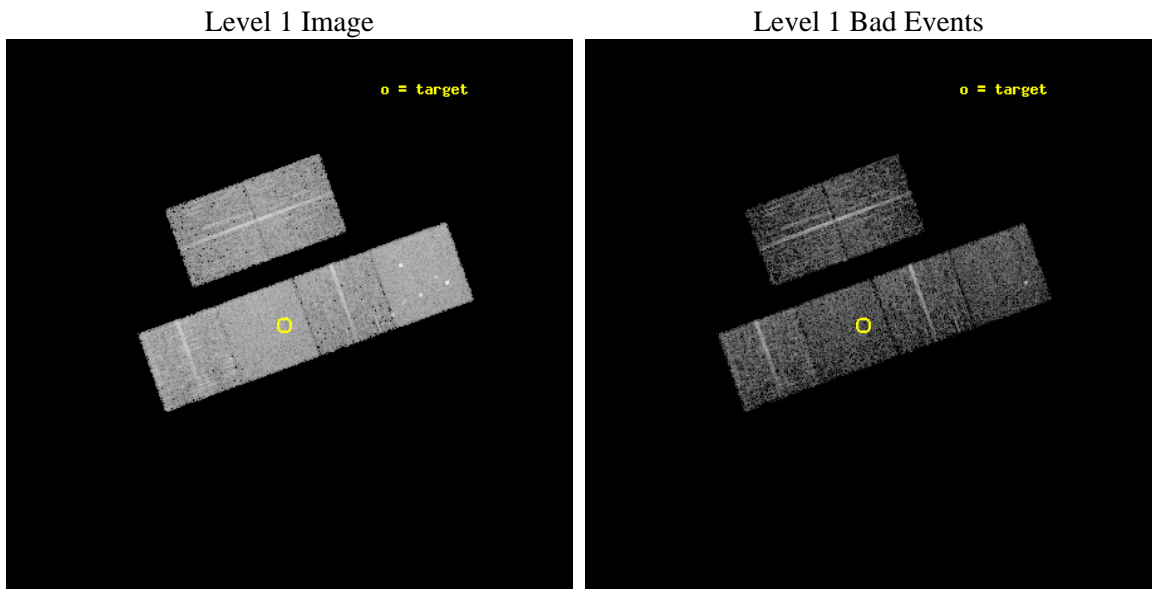
seq_num	900154	Sequence number
obs_id	3315	Observation id
title	THE SHEEP SURVEY: WHAT KIND OF OBJECTS MAKE THE X-RAY BACKGROUND?	
observer	Prof Kirpal Nandra	Principal investigator
object	AX J0440.0-4534	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	70.012083	Observer's specified target RA [deg]
dec_targ	-45.583056	Observer's specified target Dec [deg]
ra_nom	70.000172037232	Nominal RA [deg]
dec_nom	-45.578230336425	Nominal Dec [deg]
roll_nom	160.23340881796	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4761.5999822617	Sum of GTIs [s]
livetime	4701.305736195	Livetime [s]
ontime2	4761.5999822617	Sum of GTIs [s]
ontime3	4761.5999822617	Sum of GTIs [s]
ontime5	4761.5999822617	Sum of GTIs [s]
ontime6	4761.5999822617	Sum of GTIs [s]
ontime7	4761.5999822617	Sum of GTIs [s]
ontime8	4761.5999822617	Sum of GTIs [s]
l2events	48678	Number of level 2 events



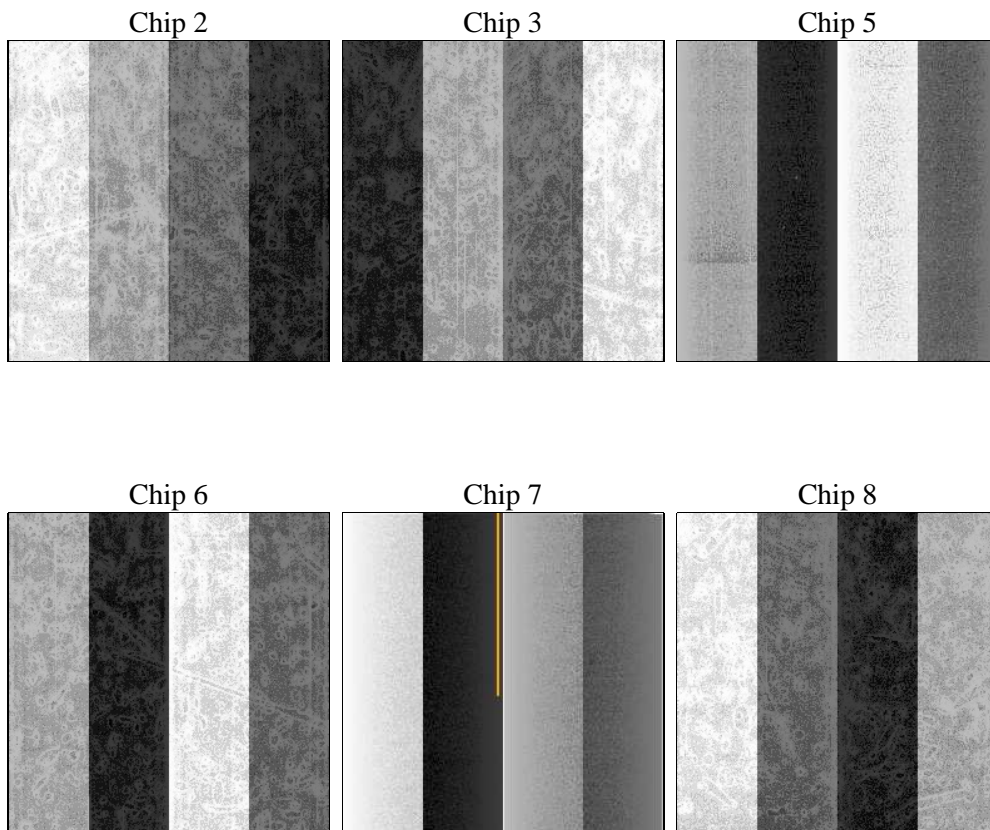
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4800.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4761.5999822617	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	4761.5999822617	Sum of GTIs [s]
date	2012-10-10T00:57:32	Date and time of file creation	ontime3	4761.5999822617	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4761.5999822617	Sum of GTIs [s]
			ontime6	4761.5999822617	Sum of GTIs [s]
			ontime7	4761.5999822617	Sum of GTIs [s]
			ontime8	4761.5999822617	Sum of GTIs [s]
			l1events	217670	Number of level 1 events

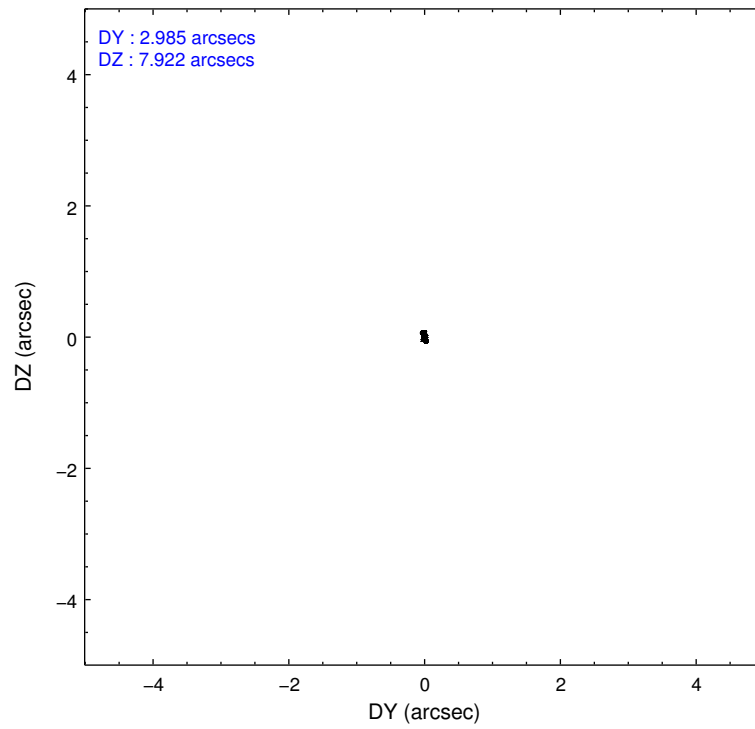
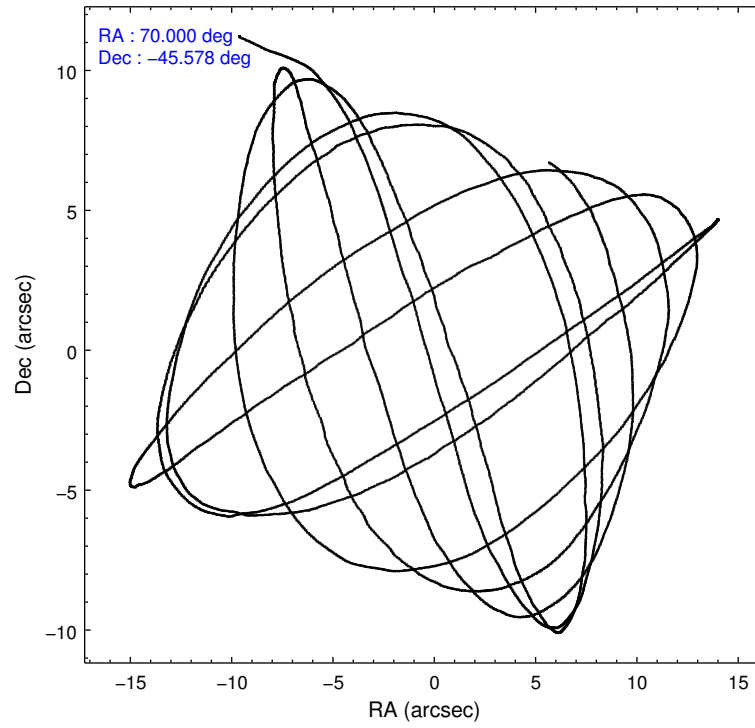
2.1.4 Events

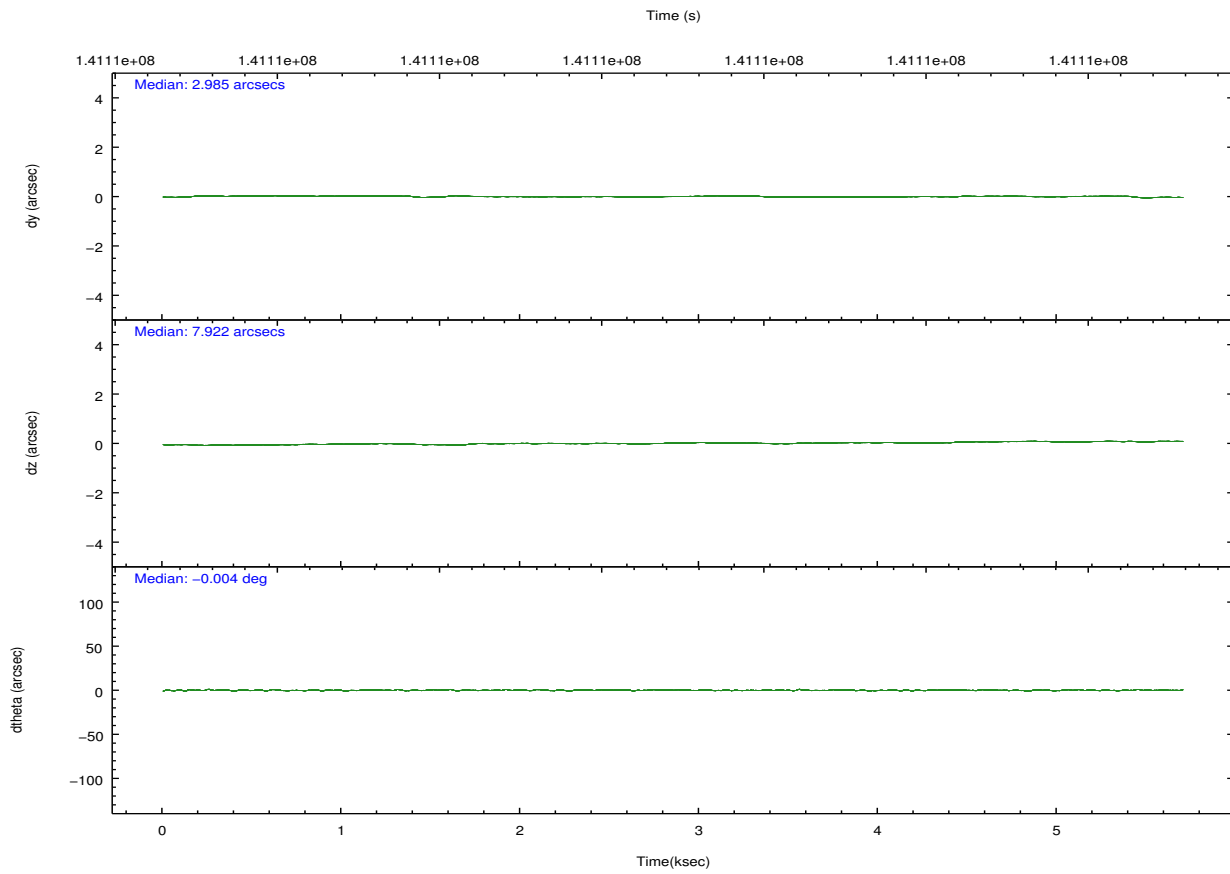
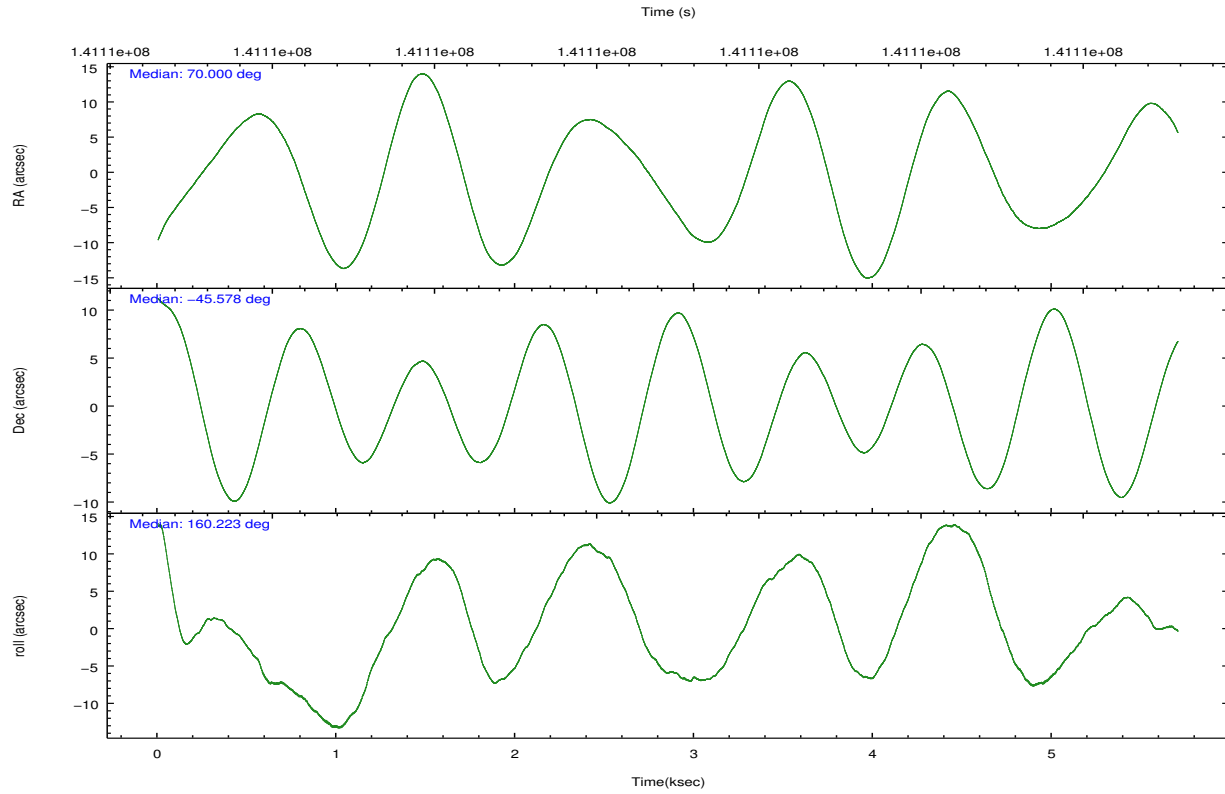
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	30892	29687	46809	30893	40515	38874	grade 0 events	1597	1603	3297	1410	1602	2691
rejected events	27223	26020	24608	27275	23815	30640		5%	5%	7%	4%	3%	6%
rejected %	88%	87%	52%	88%	58%	78%	grade 1 events	11	13	64	15	37	15
								0%	0%	0%	0%	0%	0%
							grade 2 events	809	760	6556	796	3285	1738
								2%	2%	14%	2%	8%	4%
							grade 3 events	324	338	901	353	1500	877
								1%	1%	1%	1%	3%	2%
							grade 4 events	330	342	892	350	1504	776
								1%	1%	1%	1%	3%	1%
							grade 5 events	1144	1264	3420	1359	3917	1701
								3%	4%	7%	4%	9%	4%
							grade 6 events	615	630	10582	715	8828	2164
								1%	2%	22%	2%	21%	5%
							grade 7 events	26062	24737	21097	25895	19842	28912
								84%	83%	45%	83%	48%	74%

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	70.038286	70.00017203723176	Subarray requested	NONE	NONE
[deg] Pointing Dec	-45.573035	-45.57823033642517	Alternating exposures requested	N	N
[deg] Pointing Roll	160.103987	160.233408817963	[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)	141108493.184000	141107171.31525			
Observation start date	2002-06-22T04:47:09	2002-06-22T04:26:11			
[s] Observation end time (MET)	141113293.184000	141113876.35303			
Observation end date	2002-06-22T06:07:09	2002-06-22T06:17:56			
Read mode	TIMED	TIMED			

2.3 Aspect





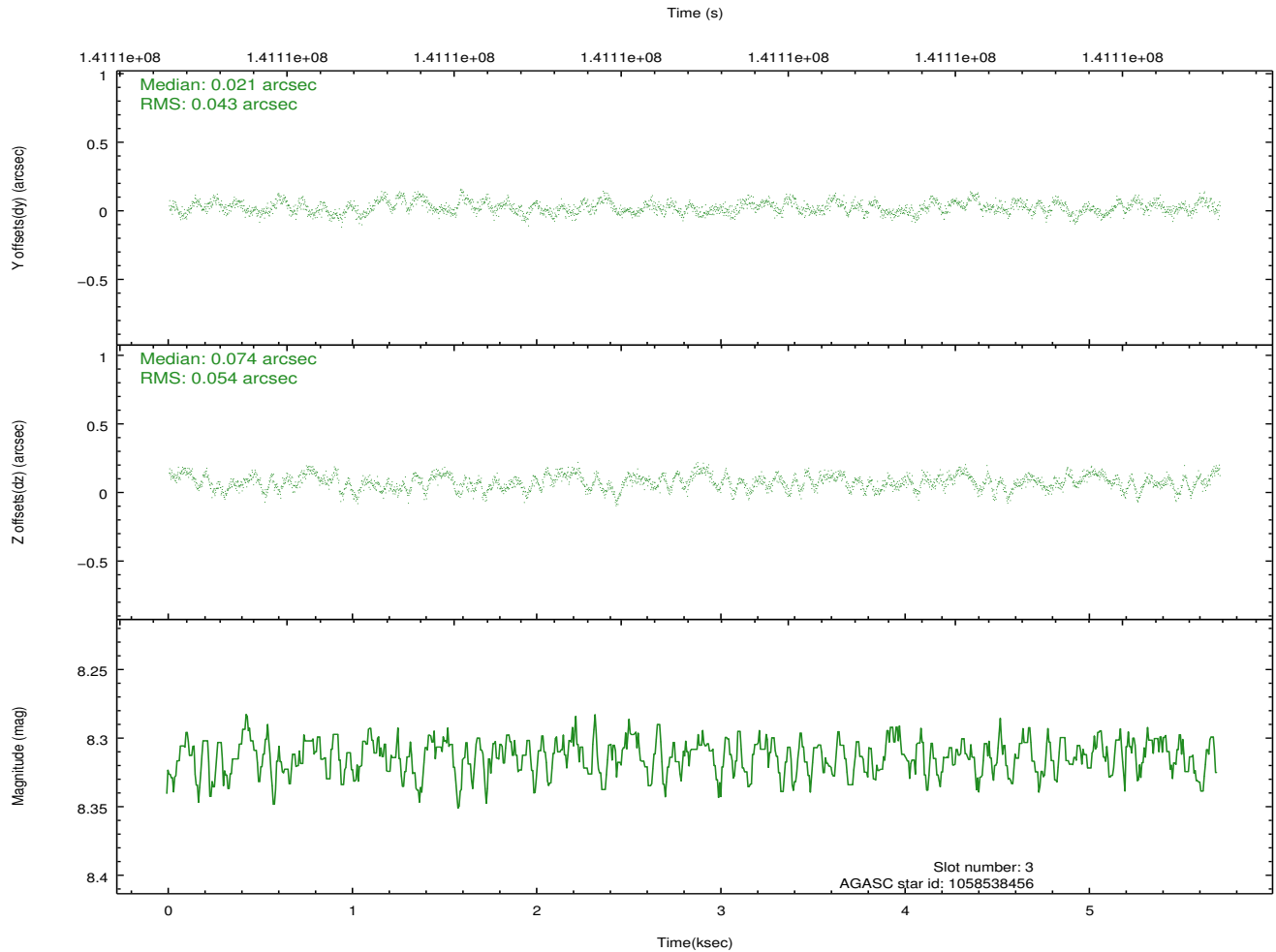
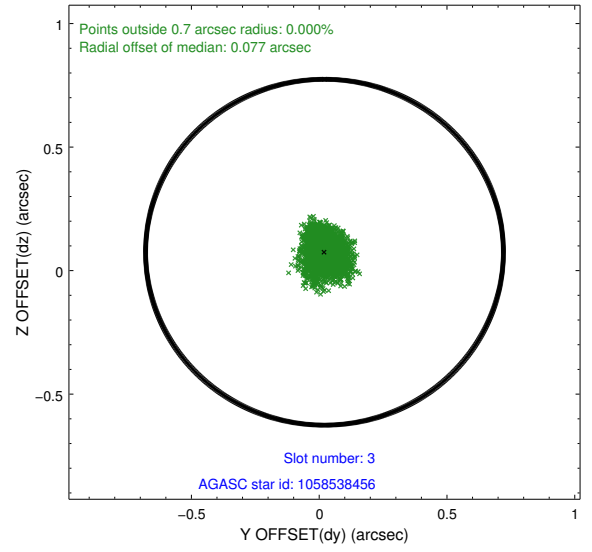
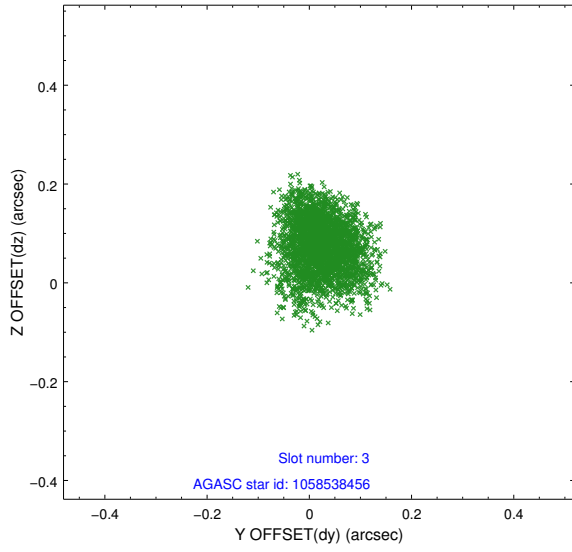
Slot Statistics

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	1391	-0.004	-0.004	0.007	0.011	0.000000	0.000000	-755.64	-1729.07
1	FID	ACIS-S-4	7.20	1391	-0.028	0.003	0.005	0.010	0.000000	0.000000	2157.15	178.33
2	FID	ACIS-S-5	7.24	1392	0.001	0.010	0.006	0.010	0.000000	0.000000	-1807.12	173.22
3	GUIDE	1058538456	8.31	2781	0.021	0.074	0.074	0.118	70.444308	-45.307467	-641.25	-1245.77
4	GUIDE	994182000	8.65	2783	-0.039	0.020	0.088	0.151	69.462706	-44.781505	2351.84	-2173.34
5	GUIDE	1058544424	9.49	2778	0.114	-0.019	0.094	0.149	70.091798	-46.111879	-784.46	1778.40
6	GUIDE	1058543952	8.74	2783	0.005	-0.178	0.081	0.137	70.076625	-46.293272	-972.16	2406.66
7	GUIDE	994183392	10.15	2675	-0.095	0.109	0.173	0.295	69.404806	-44.886131	2359.63	-1767.45

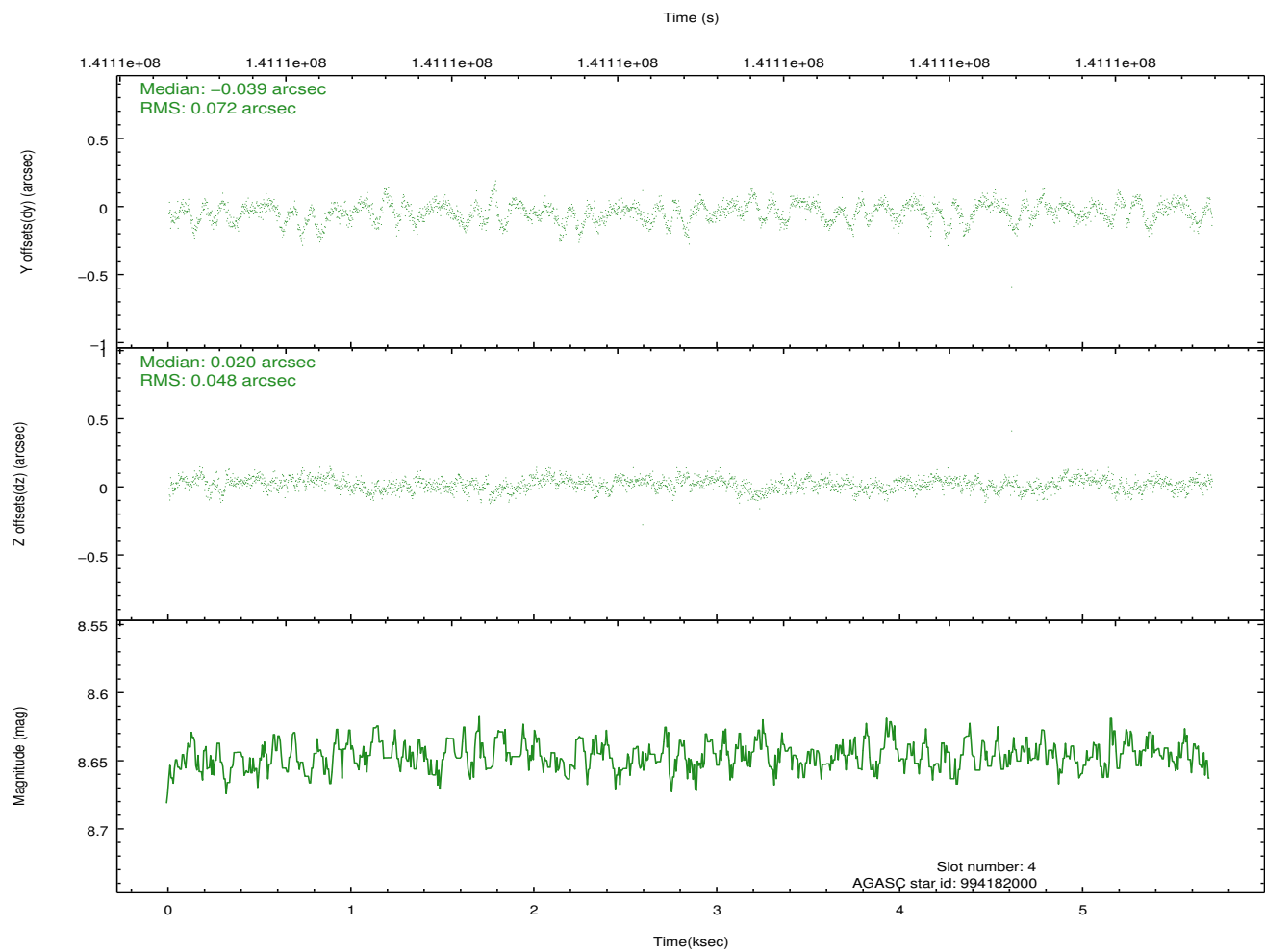
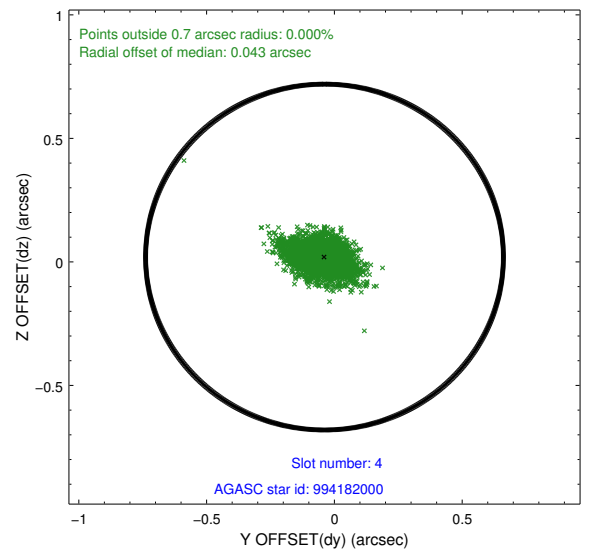
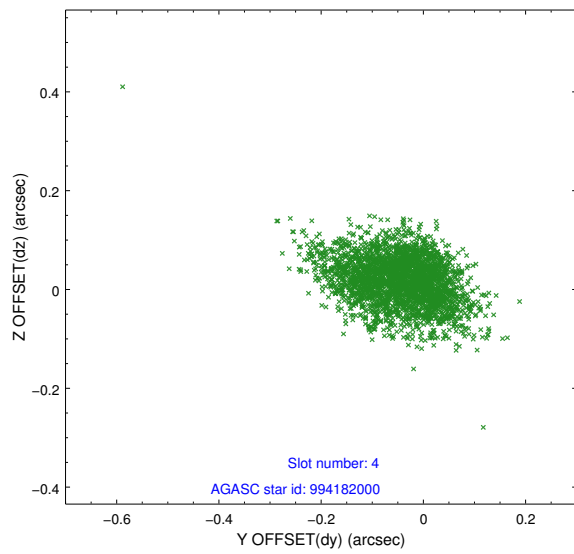
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2.4 Star Slots

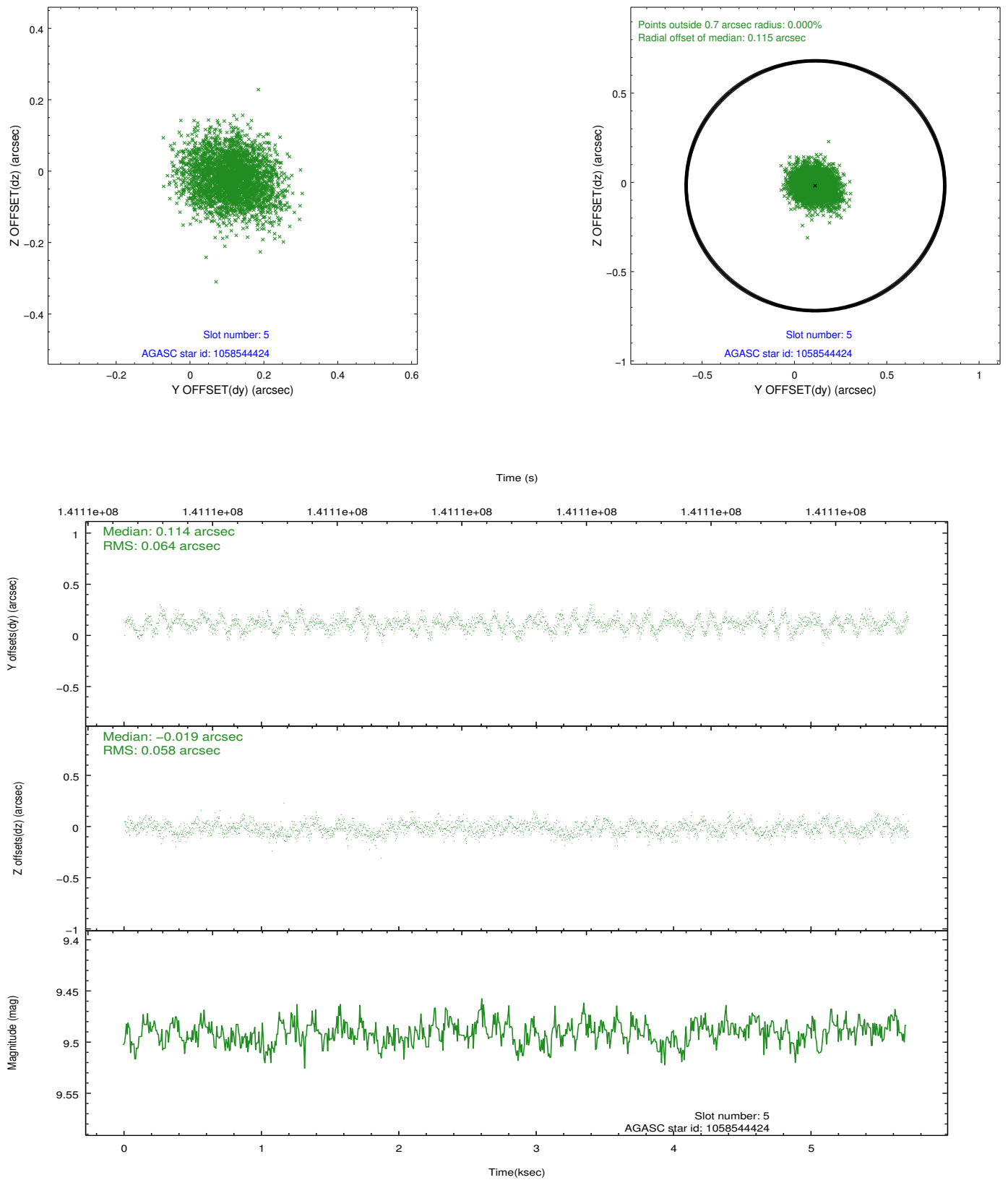
2.4.1 Slot 3



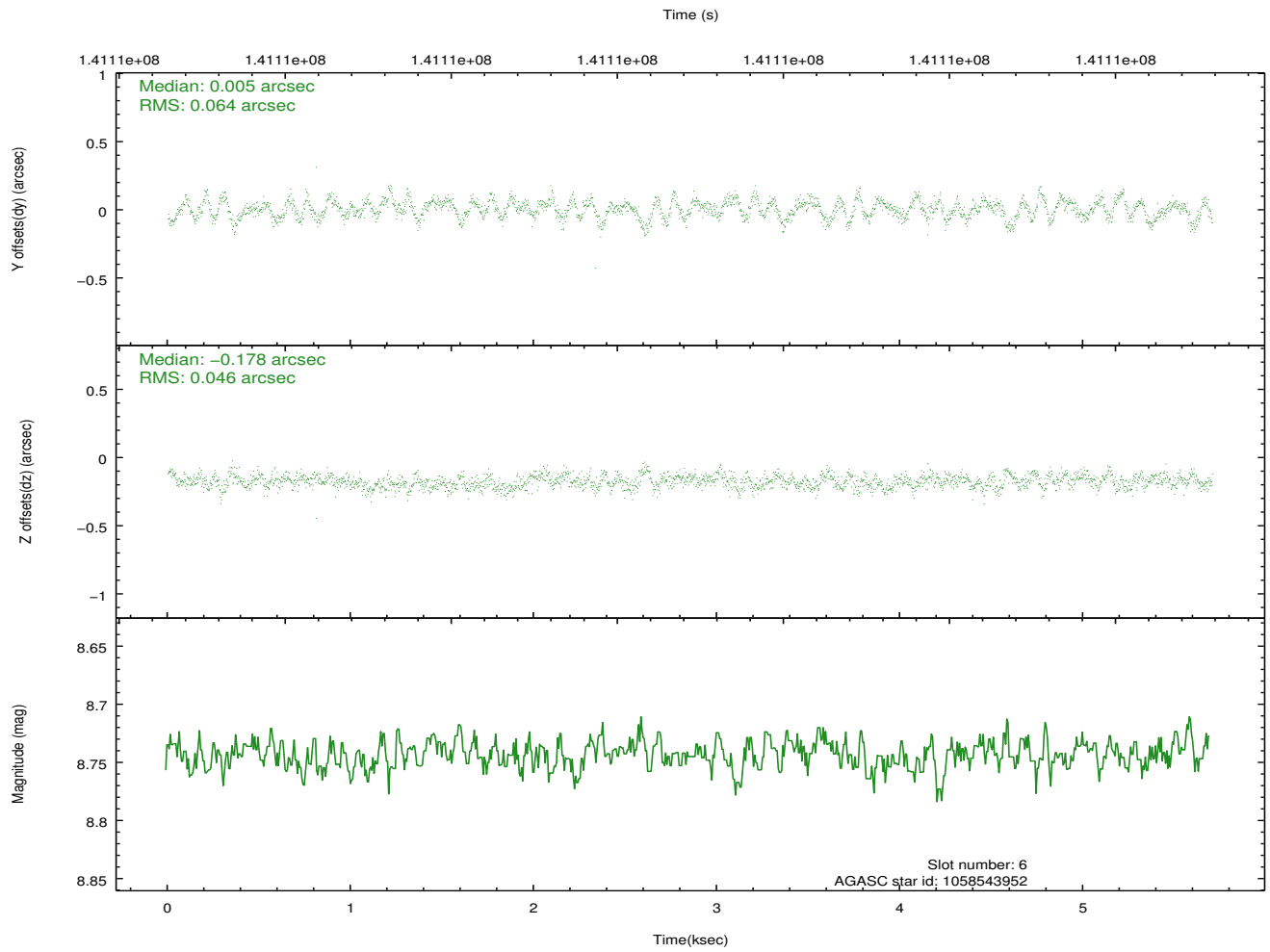
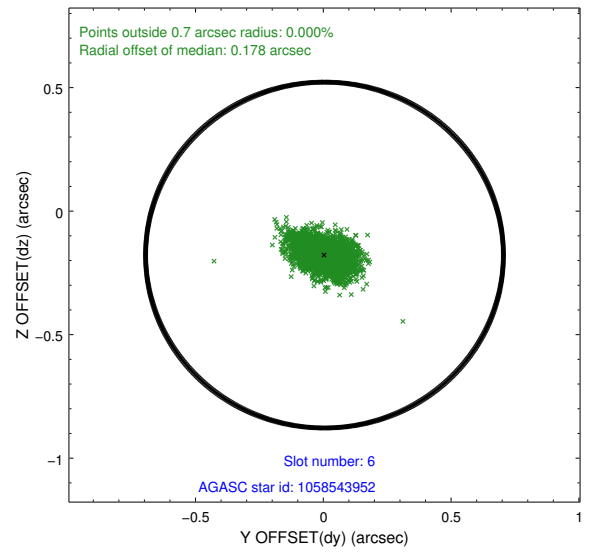
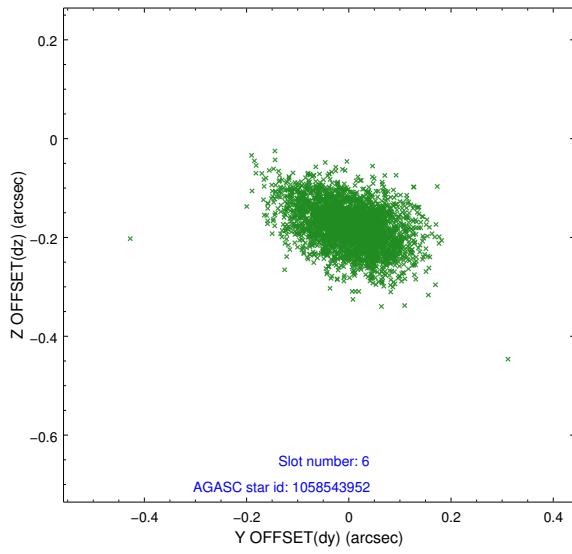
2.4.2 Slot 4



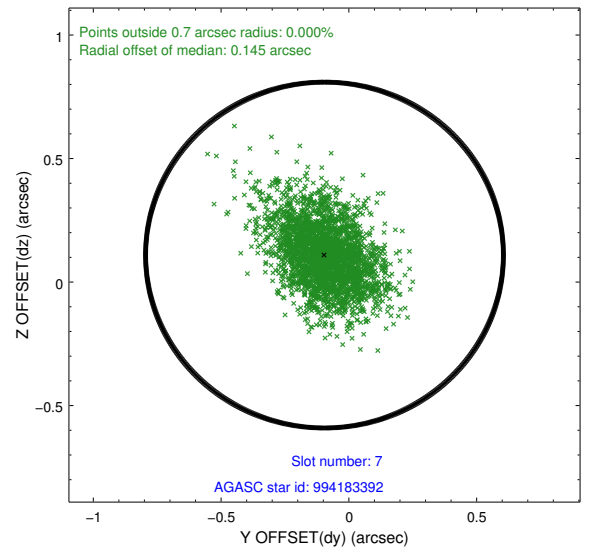
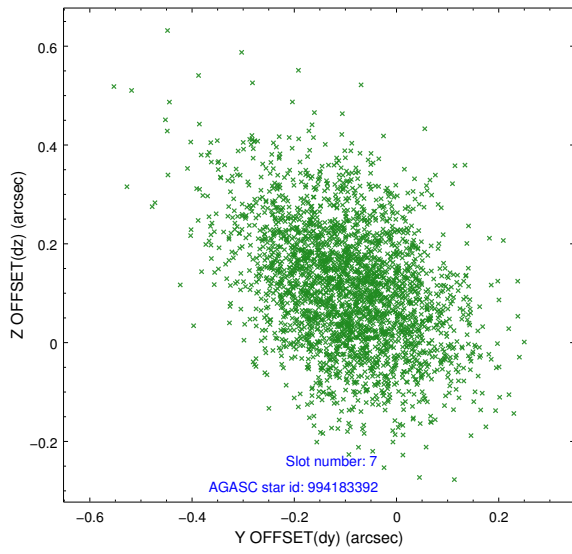
2.4.3 Slot 5



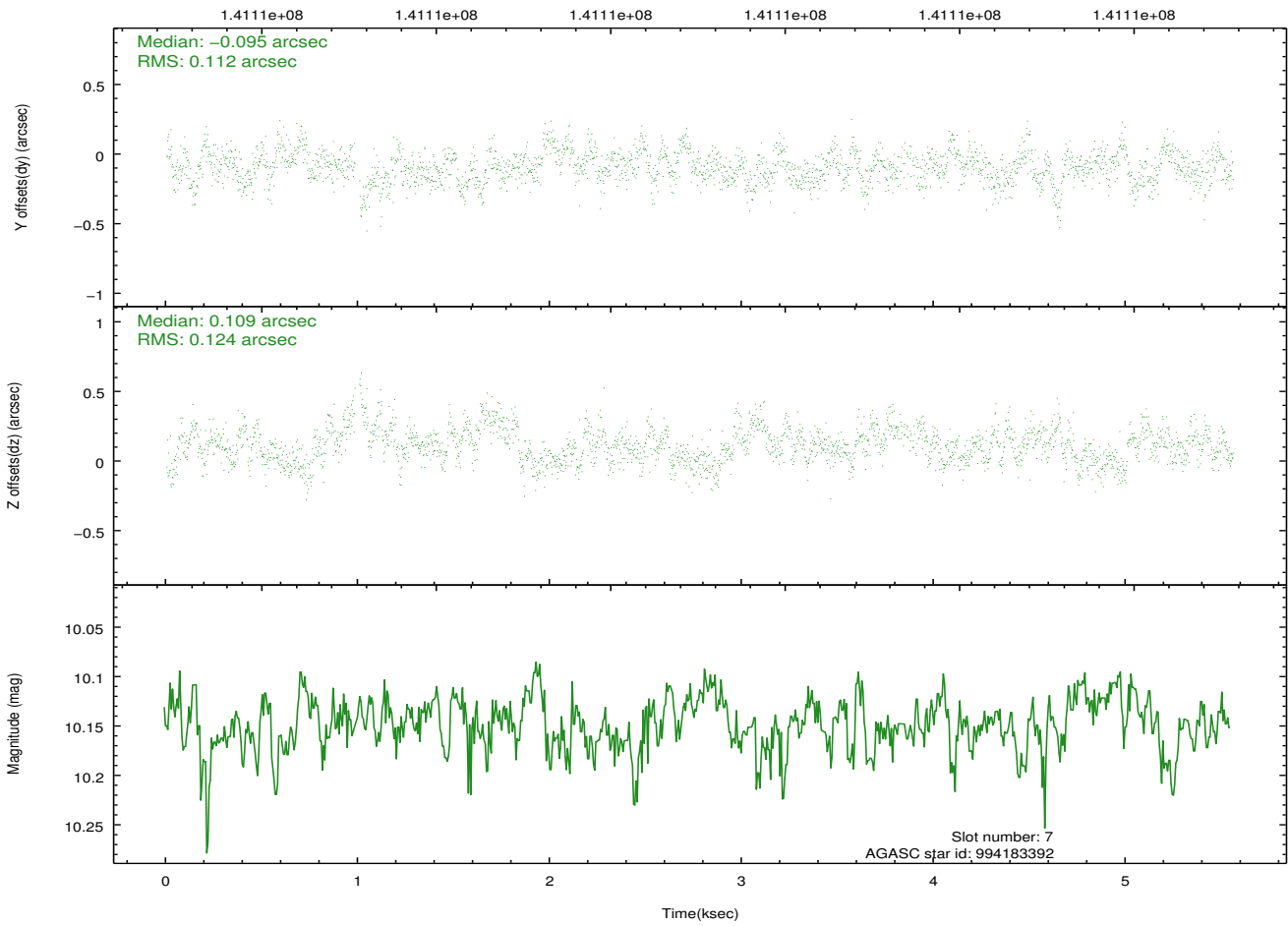
2.4.4 Slot 6



2.4.5 Slot 7

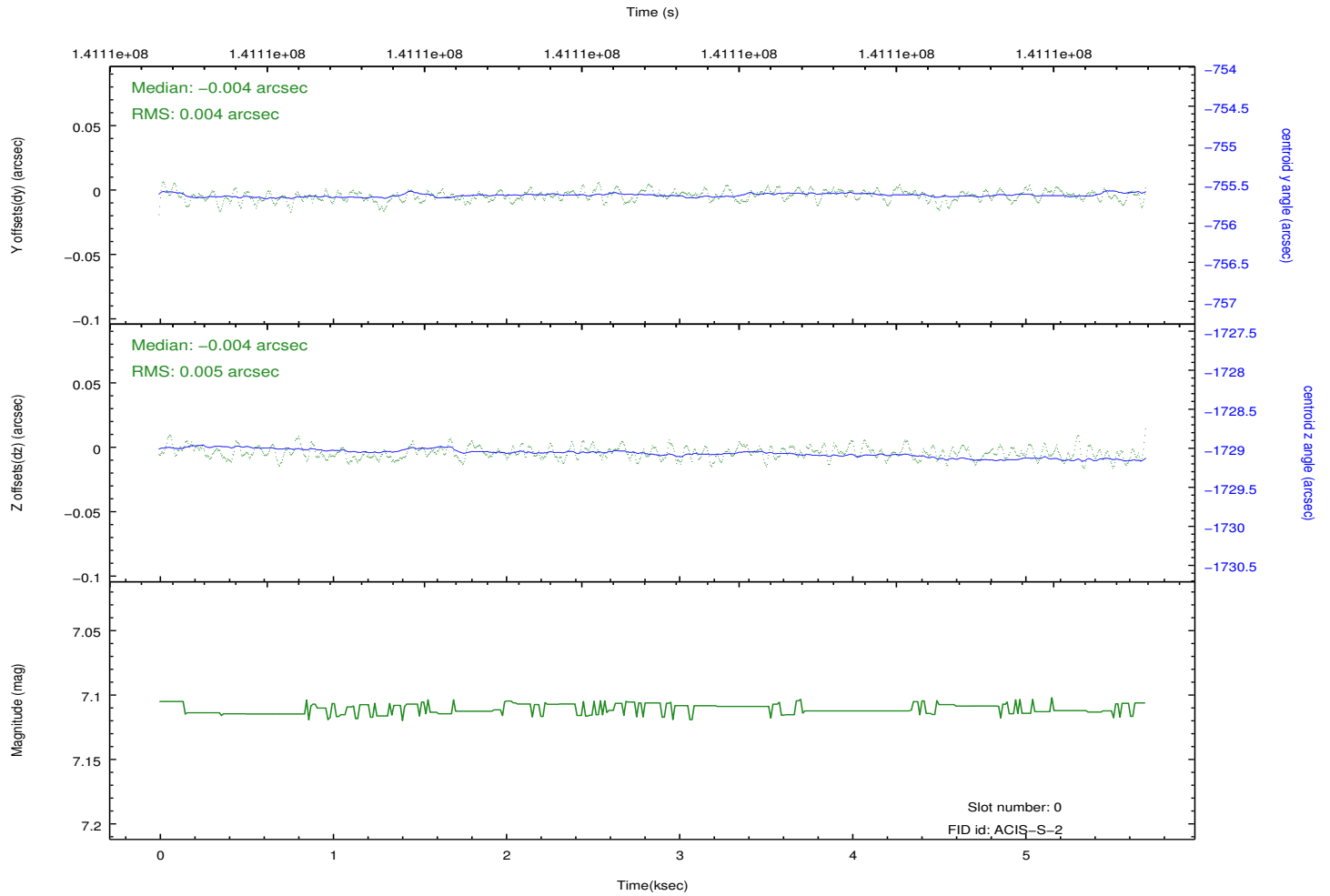
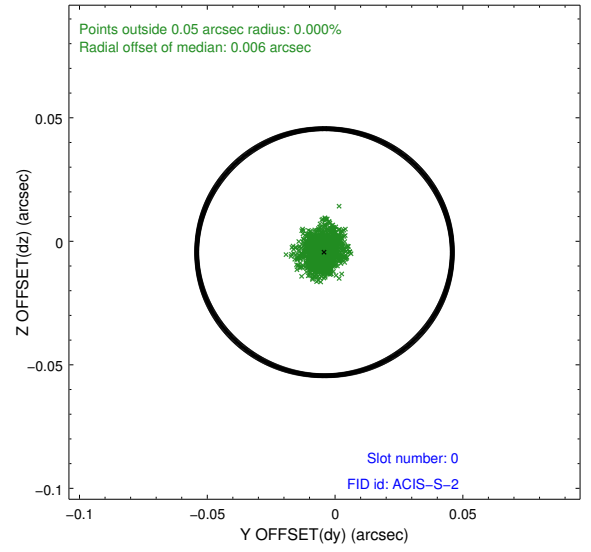
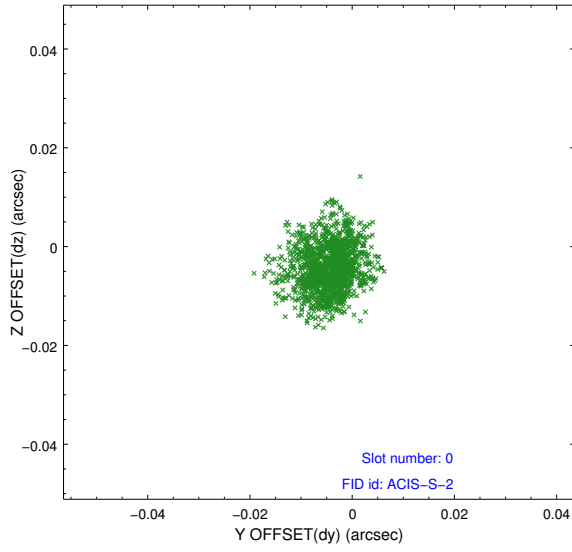


Time (s)

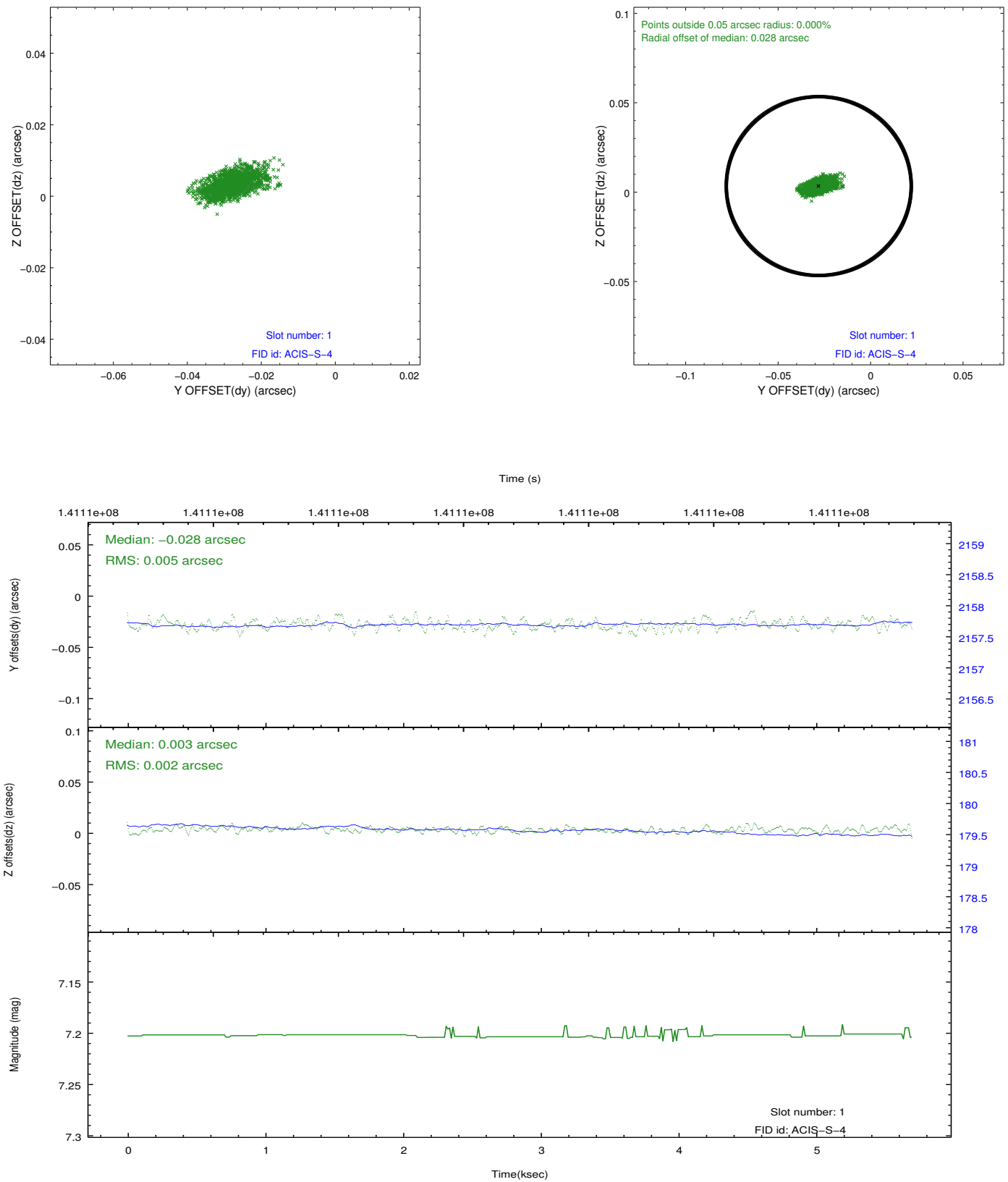


2.5 FID Slots

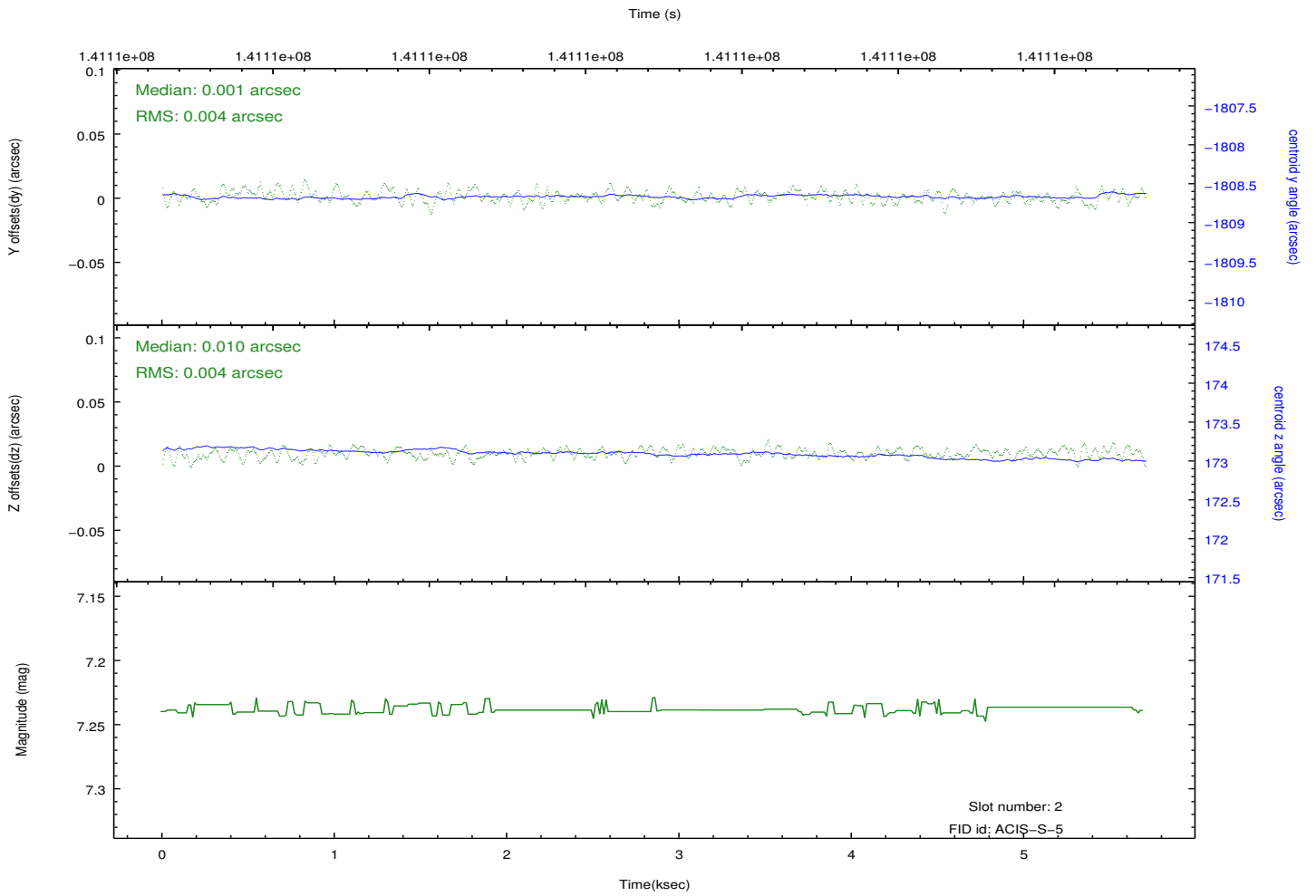
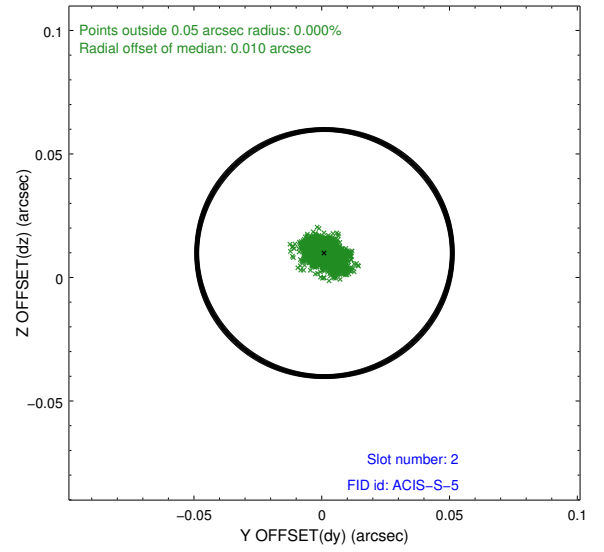
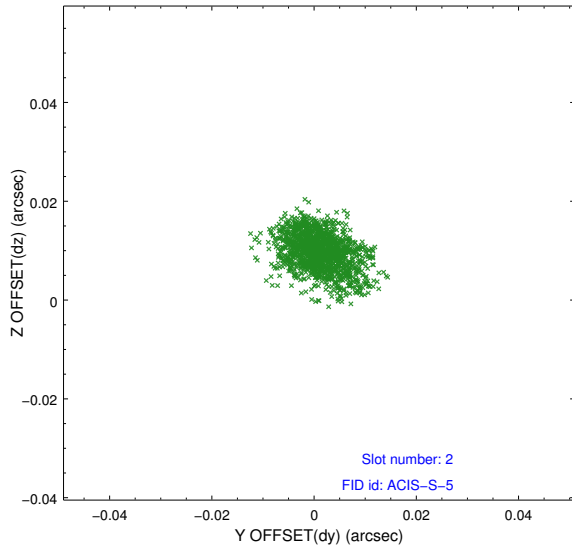
2.5.1 Slot 0



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)	2013.01.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.764

A.2 Comments

Joint Proposal: NOAO