

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 6276 - L2 Version 3
Chandra X-Ray Center

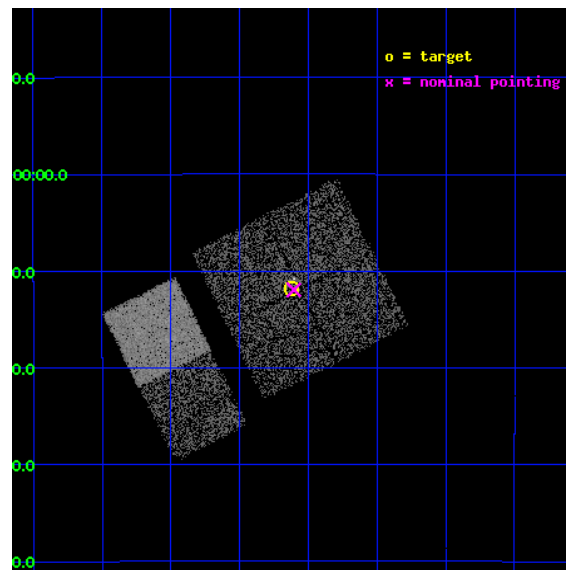
L2 Processing Date : Dec 26 2012

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1 Front

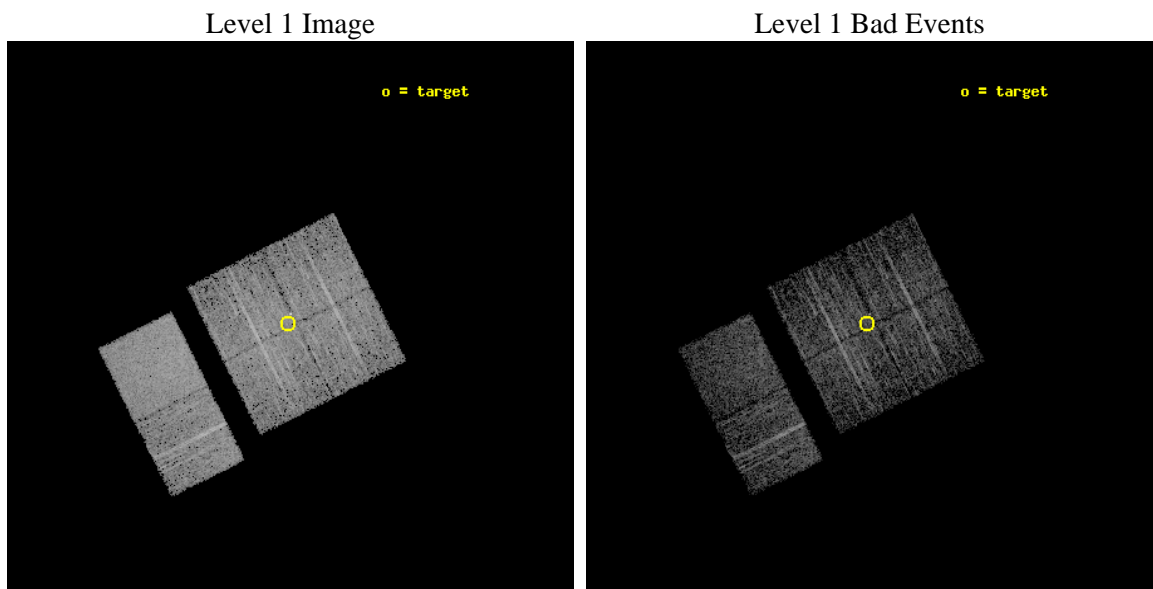
seq_num	701178	Sequence number
obs_id	6276	Observation id
title	Search for strongly obscured AGNs: support for INTEGRAL all-sky hard X-ray survey	Proposal title
observer	Prof. Rashid Sunyaev	Principal investigator
object	IGR J12391-1612	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	189.78	Observer's specified target RA [deg]
dec_targ	-16.196	Observer's specified target Dec [deg]
ra_nom	189.77637330799	Nominal RA [deg]
dec_nom	-16.199114803123	Nominal Dec [deg]
roll_nom	243.34940156947	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3253.9946520925	Sum of GTIs [s]
livetime	3212.7906124873	Livetime [s]
ontime0	3253.8715321124	Sum of GTIs [s]
ontime1	3253.9125720859	Sum of GTIs [s]
ontime2	3253.9536120892	Sum of GTIs [s]
ontime3	3253.9946520925	Sum of GTIs [s]
ontime6	3254.0767320991	Sum of GTIs [s]
ontime7	3254.0356722176	Sum of GTIs [s]
l2events	28006	Number of level 2 events



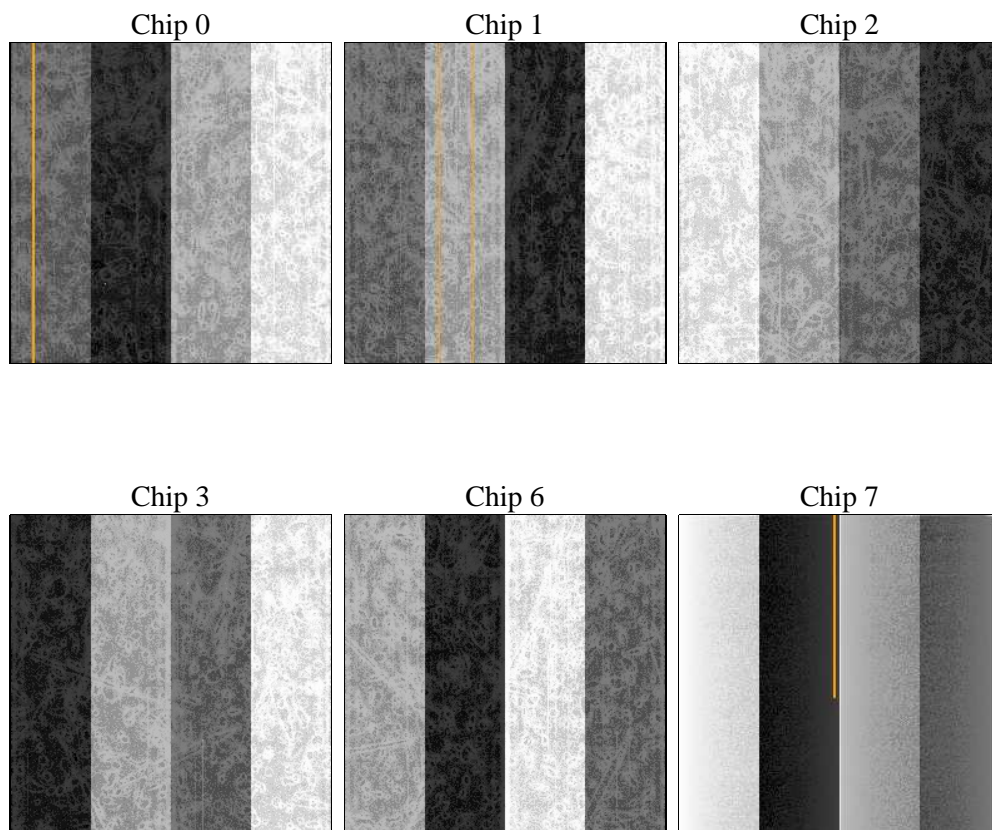
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3500.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	3253.9946520925	Sum of GTIs [s]
caldsver	4.5.5	 	ontime0	3253.8715321124	Sum of GTIs [s]
date	2012-12-26T14:50:32	Date and time of file creation	ontime1	3253.9125720859	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	3253.9536120892	Sum of GTIs [s]
			ontime3	3253.9946520925	Sum of GTIs [s]
			ontime6	3254.0767320991	Sum of GTIs [s]
			ontime7	3254.0356722176	Sum of GTIs [s]
			l1events	163039	Number of level 1 events

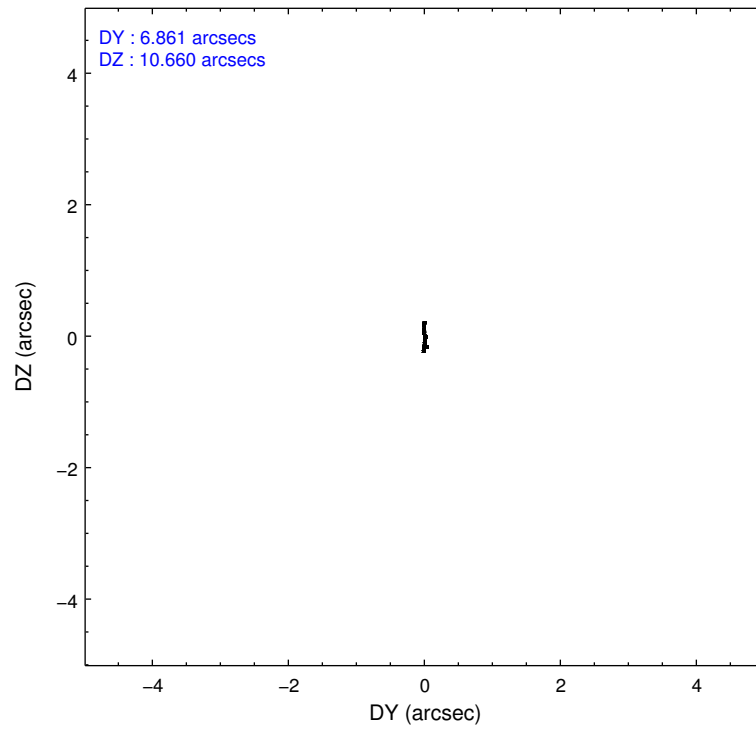
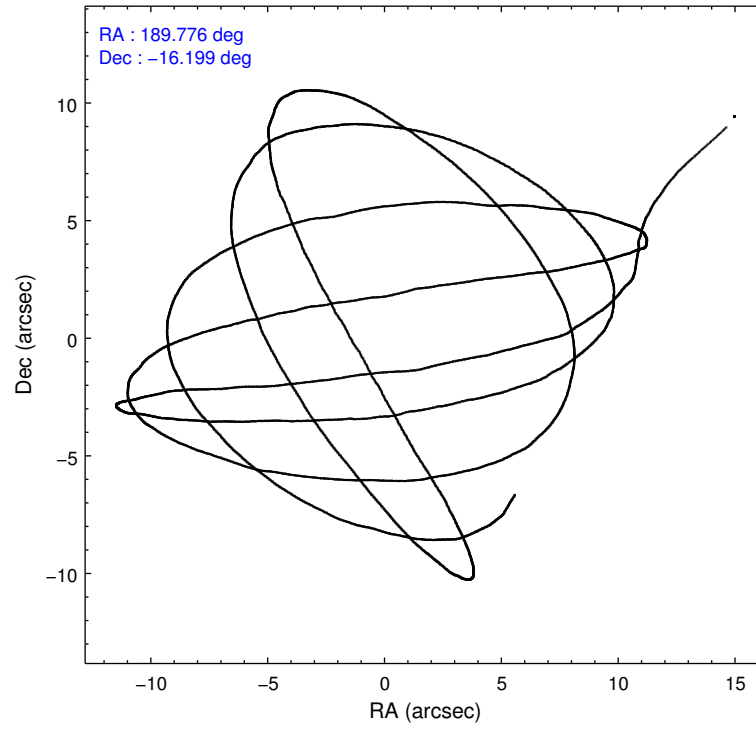
2.1.4 Events

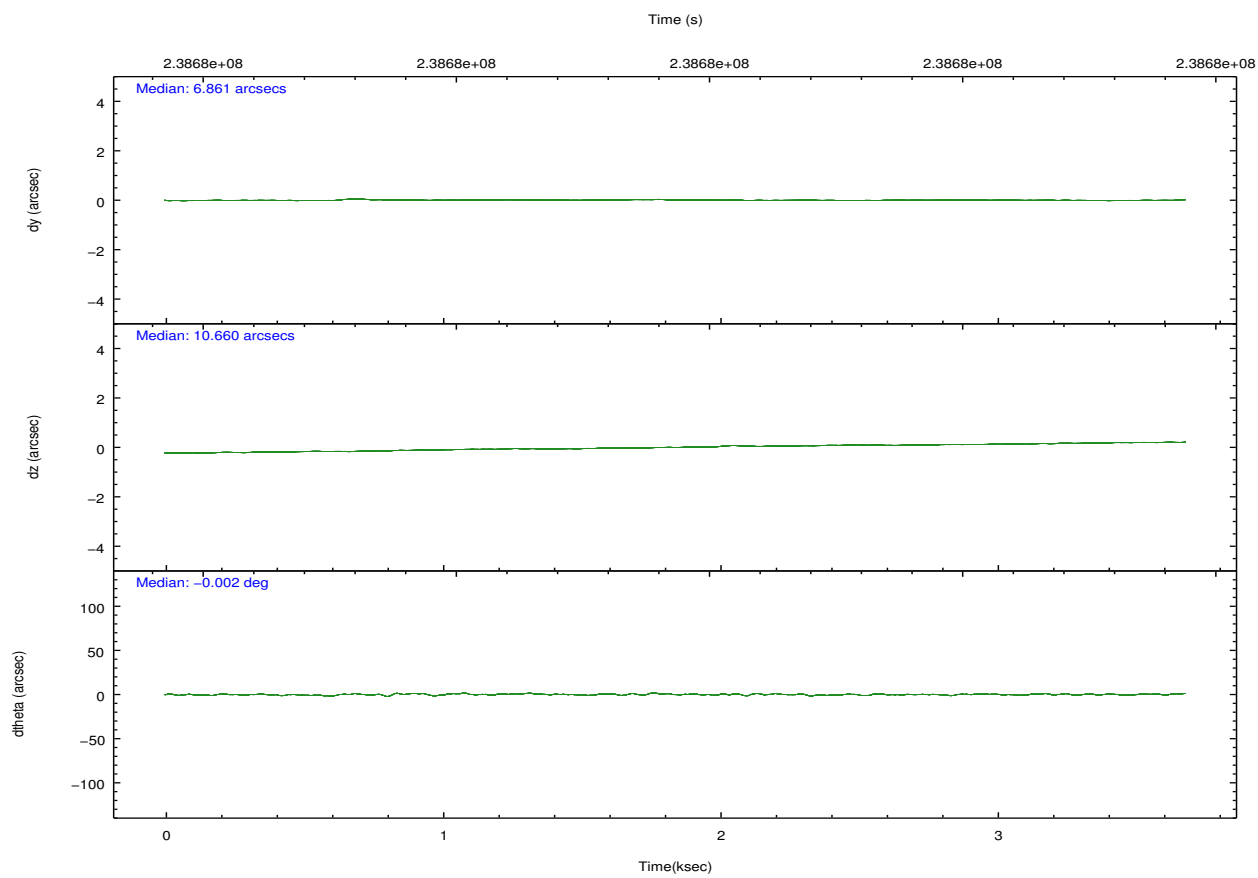
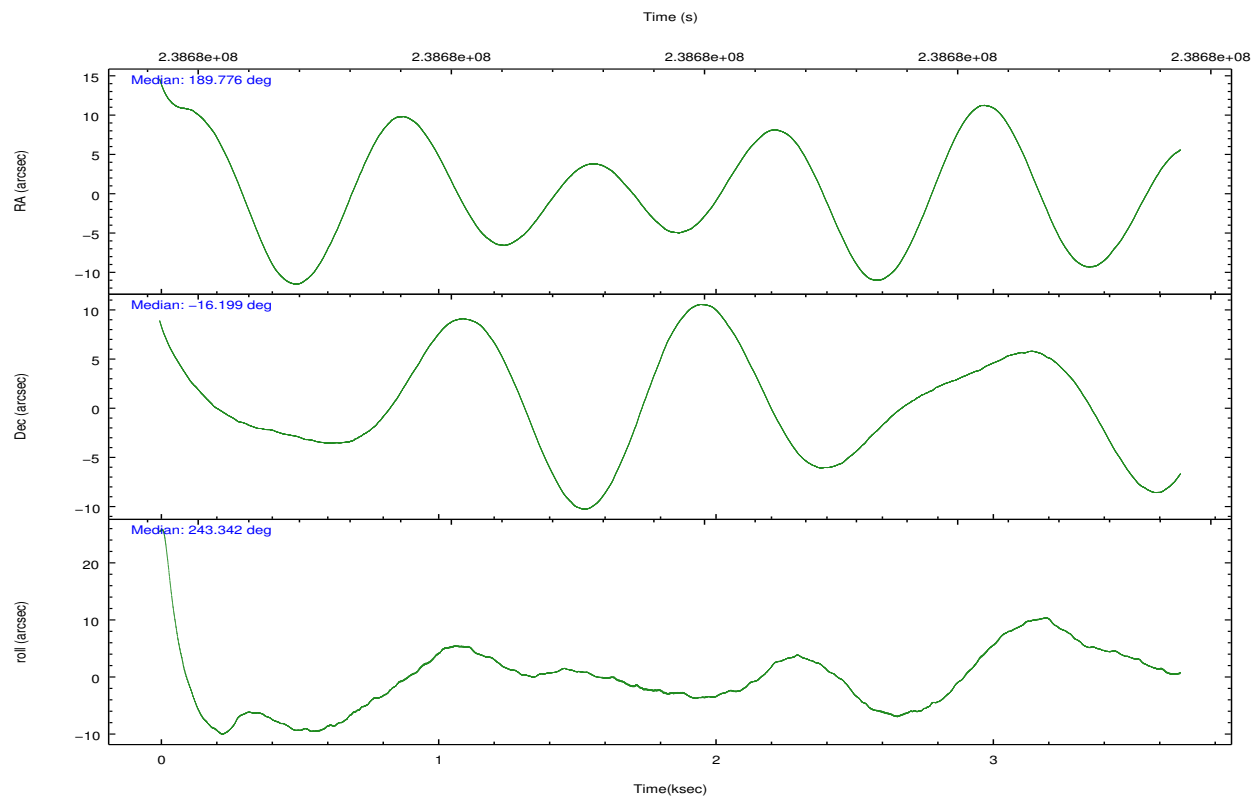
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	24879	24200	25425	26633	26631	35271	grade 0 events	1385	1309	1378	1527	1277	1326
rejected events	21730	20953	22459	23245	23471	20679		5%	5%	5%	5%	4%	3%
rejected %	87%	86%	88%	87%	88%	58%	grade 1 events	13	11	21	52	12	27
								0%	0%	0%	0%	0%	0%
							grade 2 events	691	733	588	662	648	2996
								2%	3%	2%	2%	2%	8%
							grade 3 events	270	304	262	338	294	1251
								1%	1%	1%	1%	1%	3%
							grade 4 events	267	281	264	334	278	1302
								1%	1%	1%	1%	1%	3%
							grade 5 events	1038	1148	937	1205	1237	3349
								4%	4%	3%	4%	4%	9%
							grade 6 events	542	625	478	535	666	7757
								2%	2%	1%	2%	2%	21%
							grade 7 events	20673	19789	21497	21980	22219	17263
								83%	81%	84%	82%	83%	48%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	189.774545	189.7763733079903	Subarray requested	NONE	NONE
[deg] Pointing Dec	-16.171679	-16.19911480312289	Alternating exposures requested	N	N
[deg] Pointing Roll	243.140102	243.3494015694684	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	238679199.184000	238678418.98125			
Observation start date	2005-07-25T11:45:35	2005-07-25T11:33:38			
[s] Observation end time (MET)	238682699.184000	238683473.76899			
Observation end date	2005-07-25T12:43:55	2005-07-25T12:57:53			
Read mode	TIMED	TIMED			

2.3 Aspect



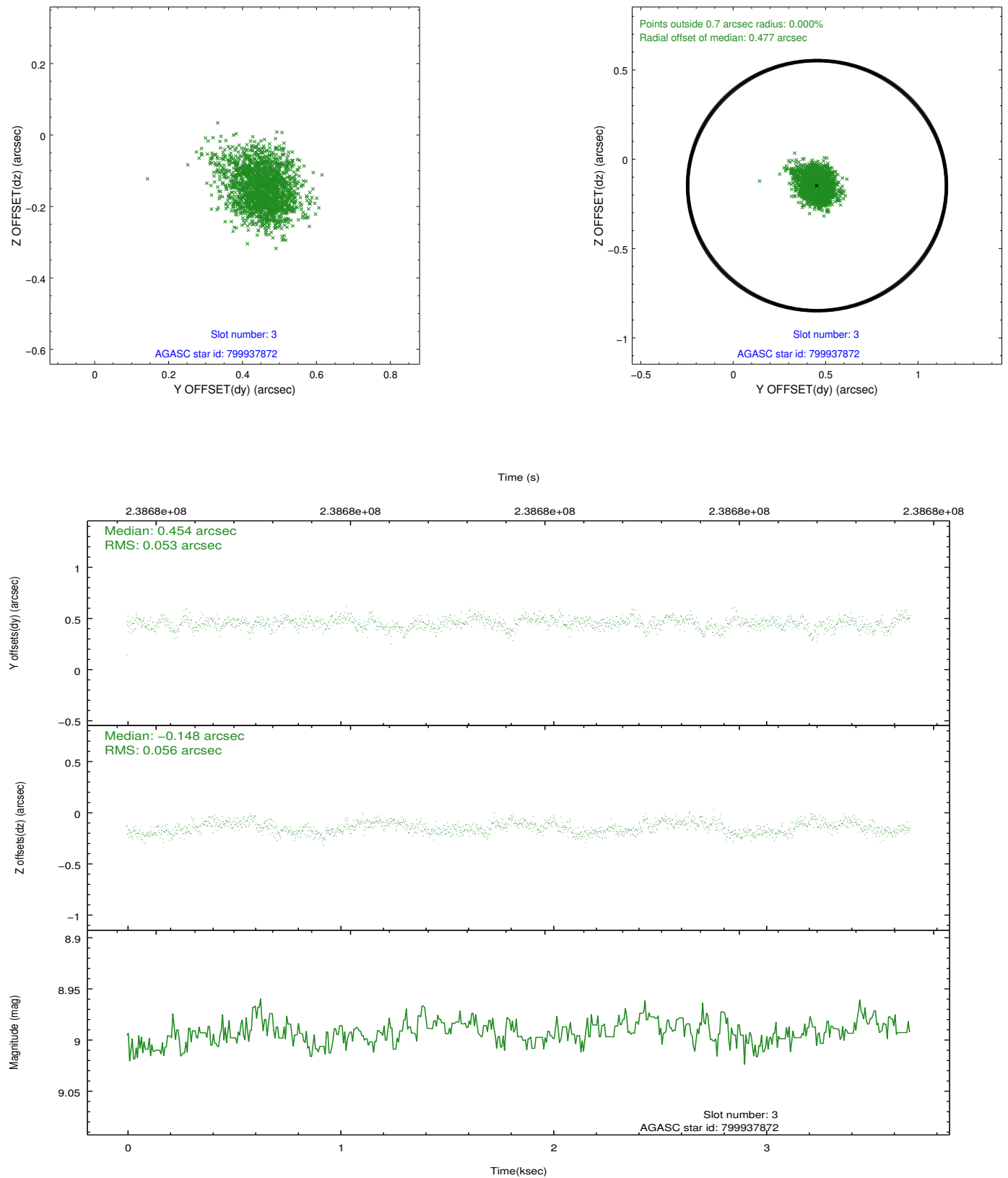


Slot Statistics

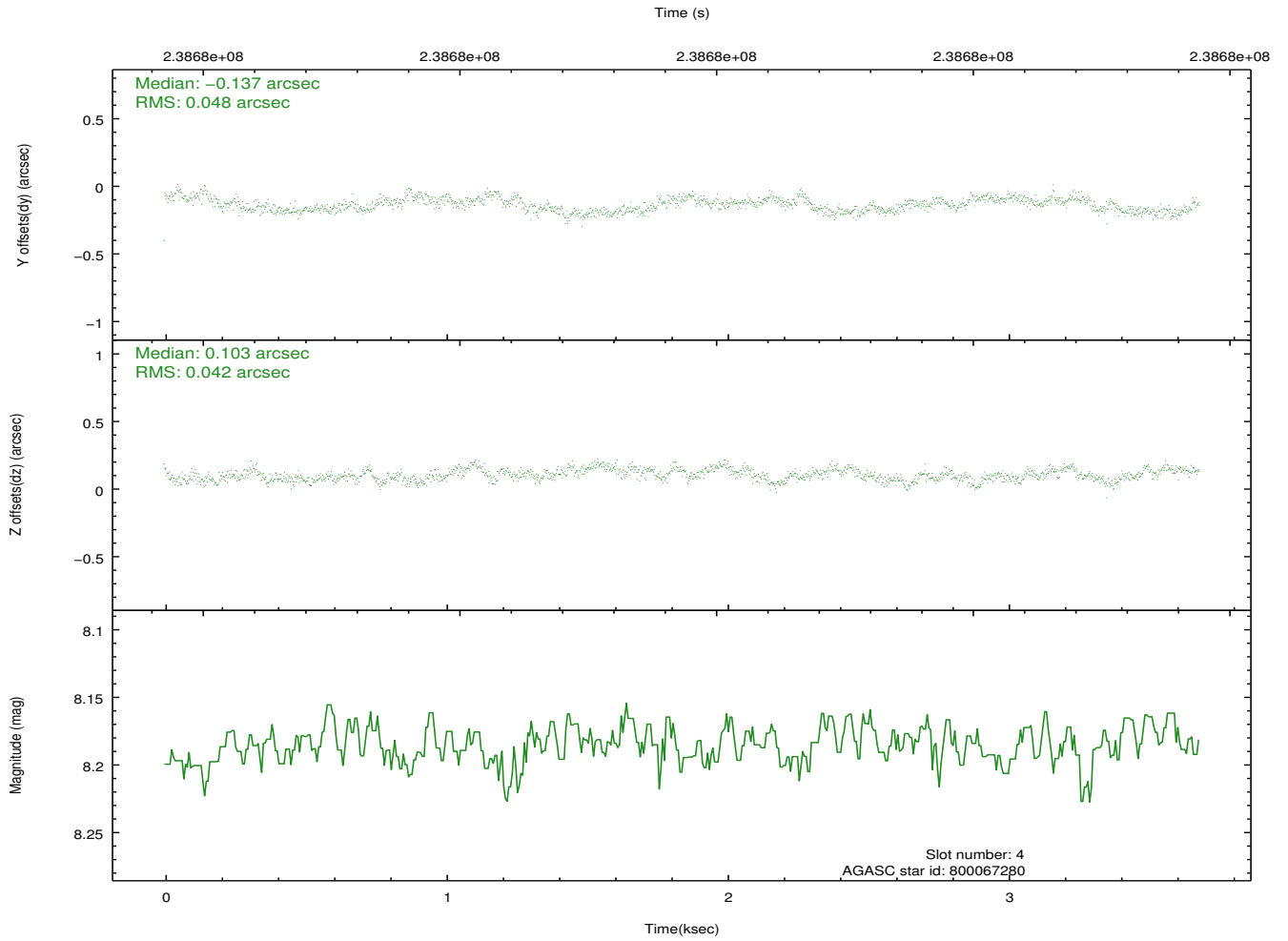
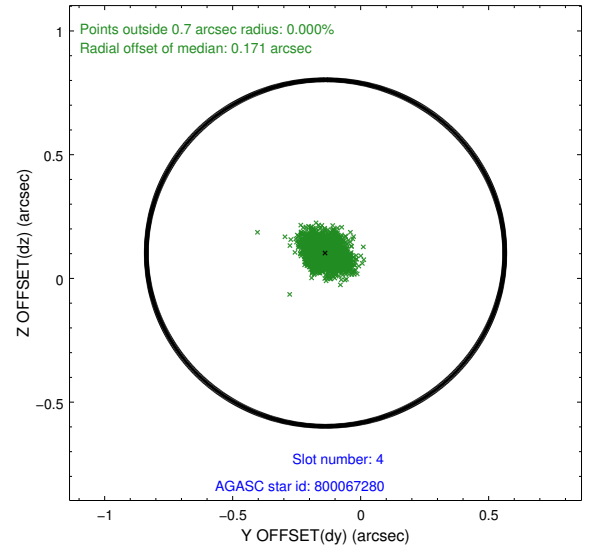
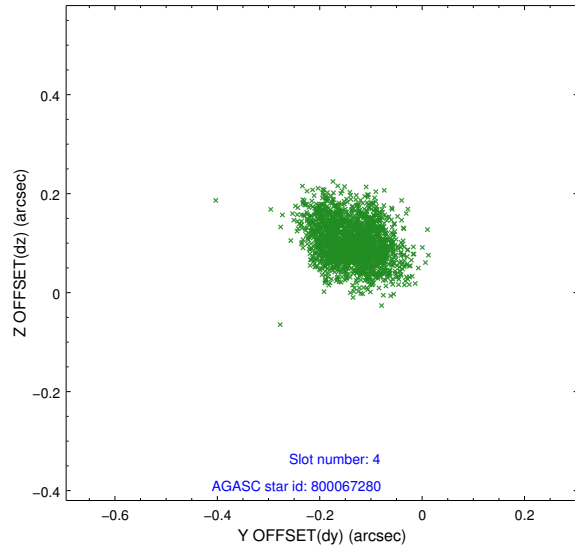
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	898	-0.009	-0.028	0.016	0.027	0.000000	0.000000	932.81	-834.18
1	FID	ACIS-I-4	7.18	898	0.121	0.047	0.011	0.019	0.000000	0.000000	2153.95	1064.84
2	FID	ACIS-I-5	7.23	899	-0.211	0.051	0.010	0.019	0.000000	0.000000	-1813.18	1064.67
3	GUIDE	799937872	8.99	1795	0.454	-0.148	0.081	0.134	189.138829	-16.385586	1683.00	-1609.43
4	GUIDE	800067280	8.19	1797	-0.137	0.103	0.068	0.109	190.179145	-16.146783	-709.95	1207.29
5	GUIDE	800067728	8.79	1797	-0.170	-0.064	0.074	0.125	189.544492	-15.558456	-1608.77	-1708.58
6	GUIDE	800068504	10.01	1787	0.020	0.269	0.153	0.256	190.210842	-16.342498	-131.73	1621.86
7	GUIDE	799934328	7.37	1796	-0.165	-0.169	0.051	0.081	189.229346	-15.722091	-587.90	-2415.00

2.4 Star Slots

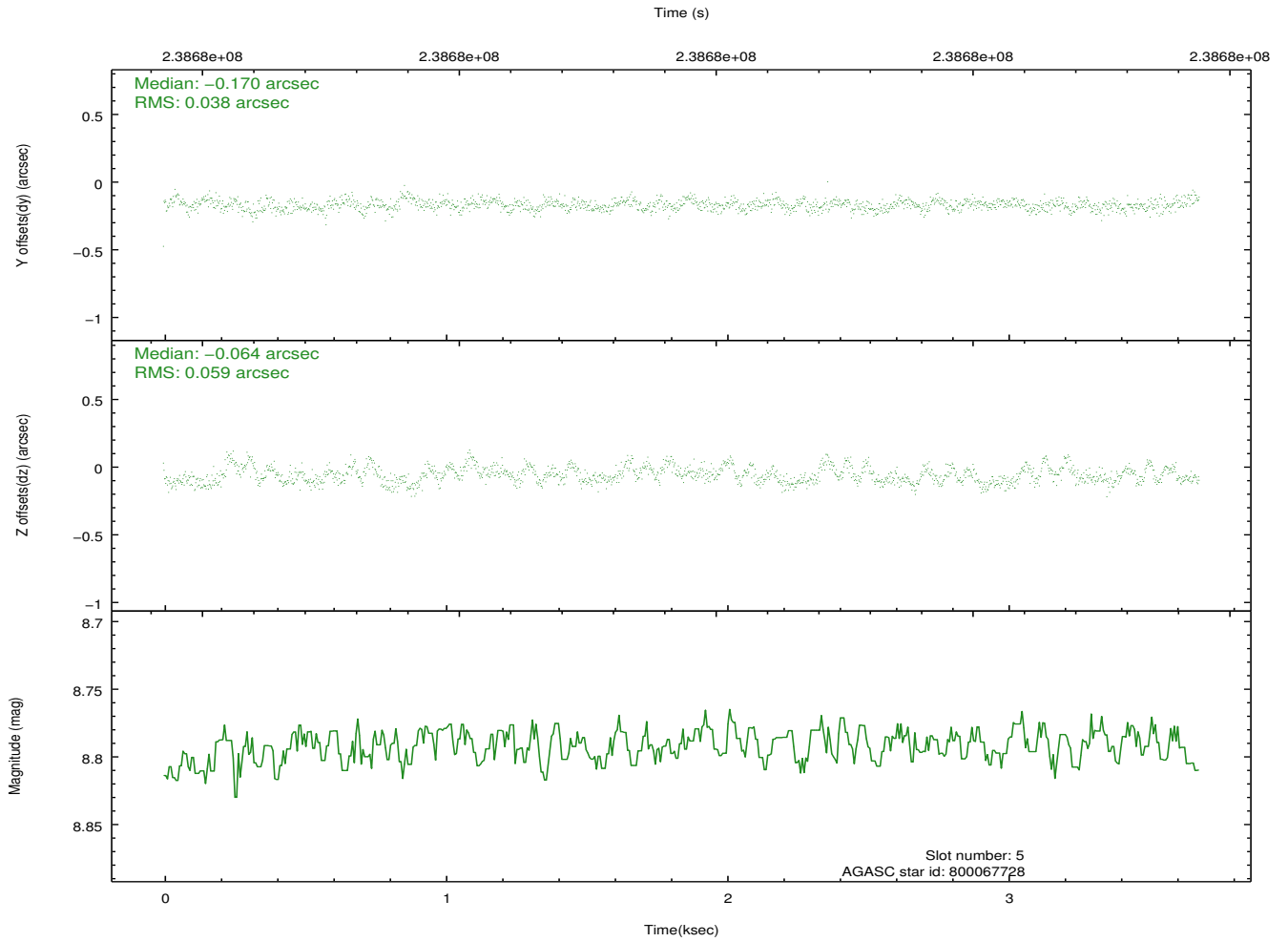
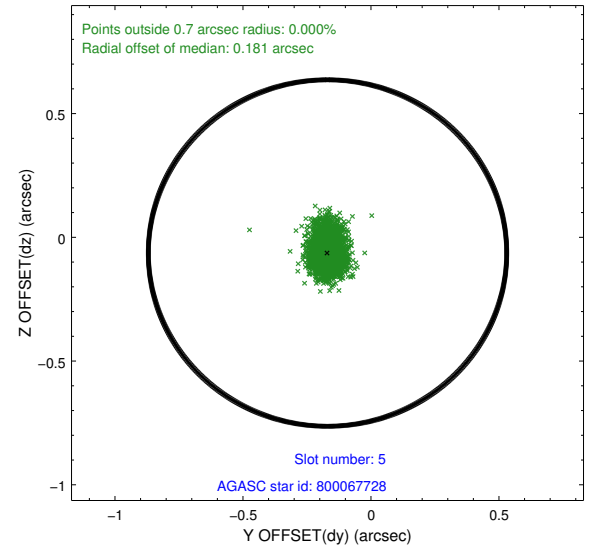
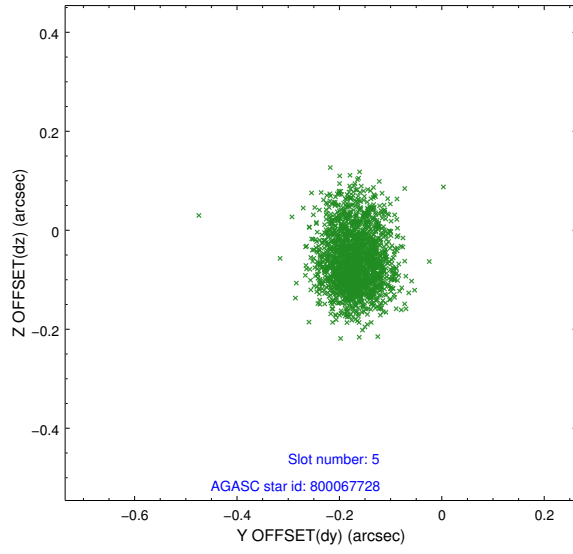
2.4.1 Slot 3



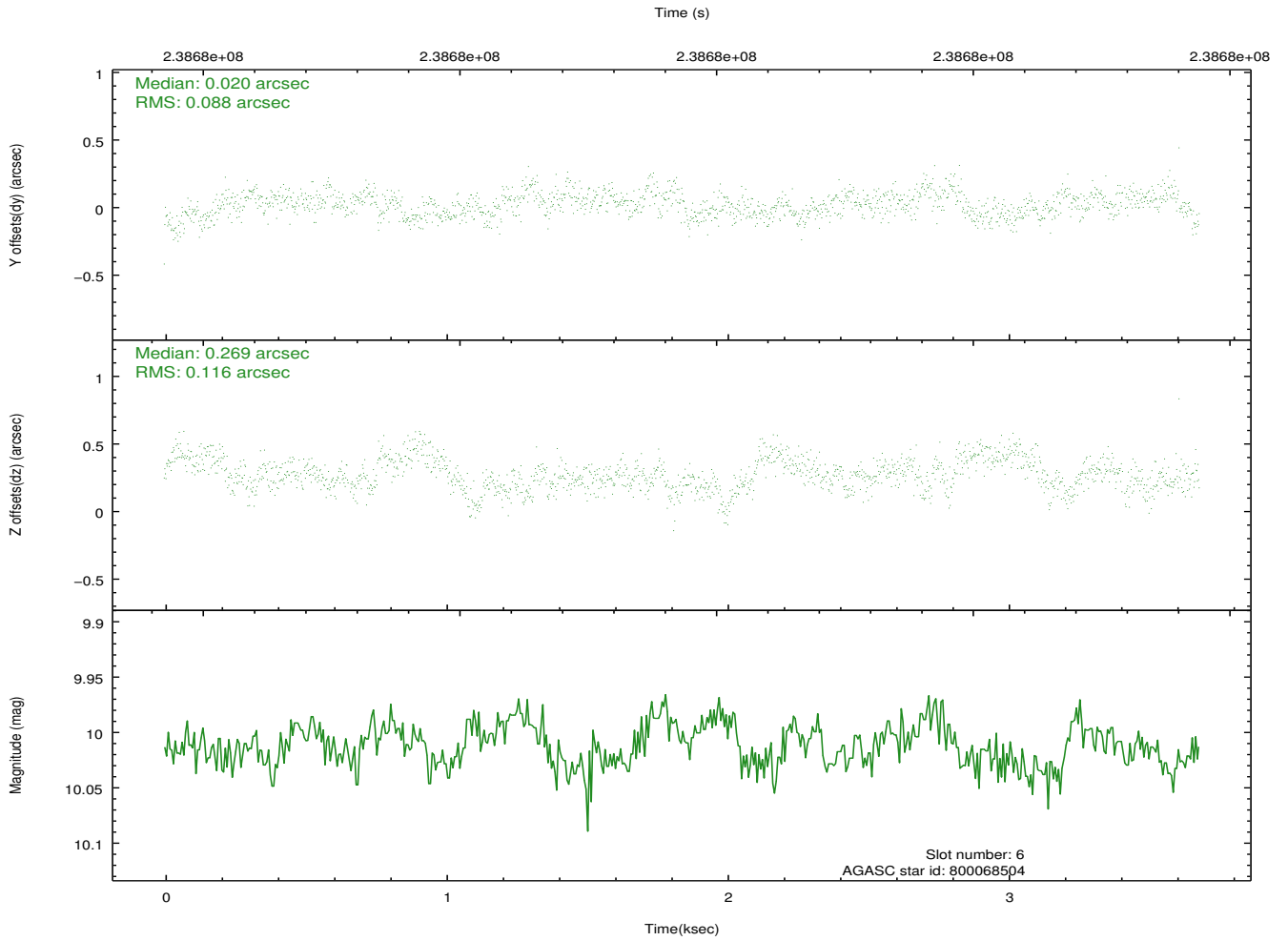
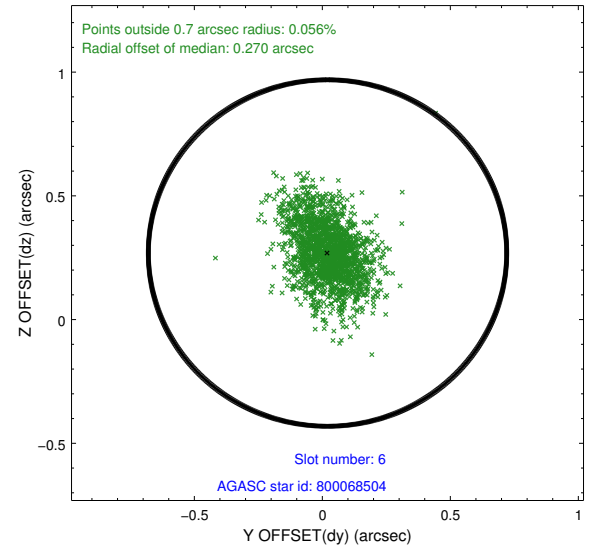
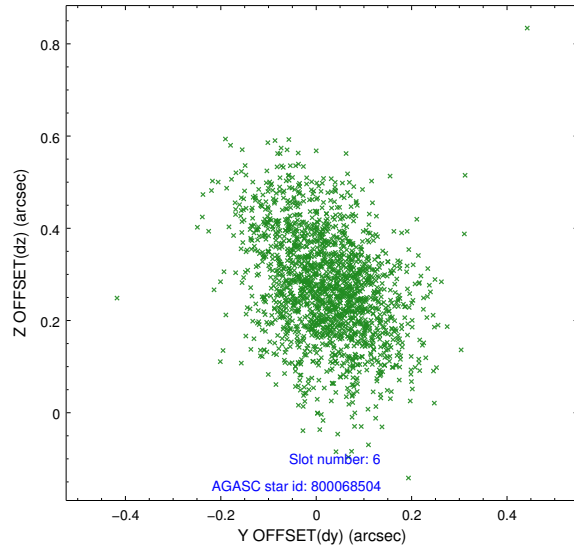
2.4.2 Slot 4



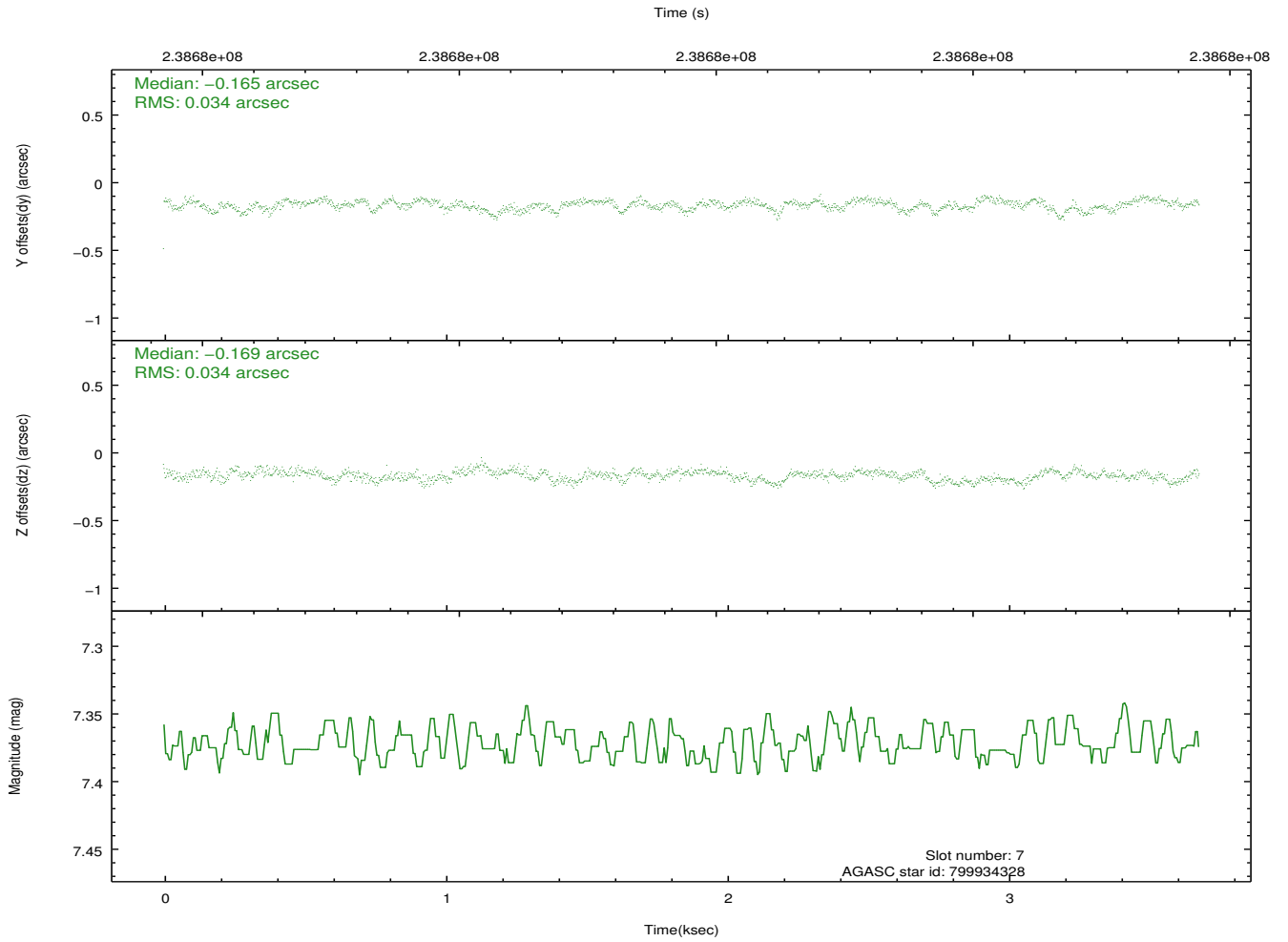
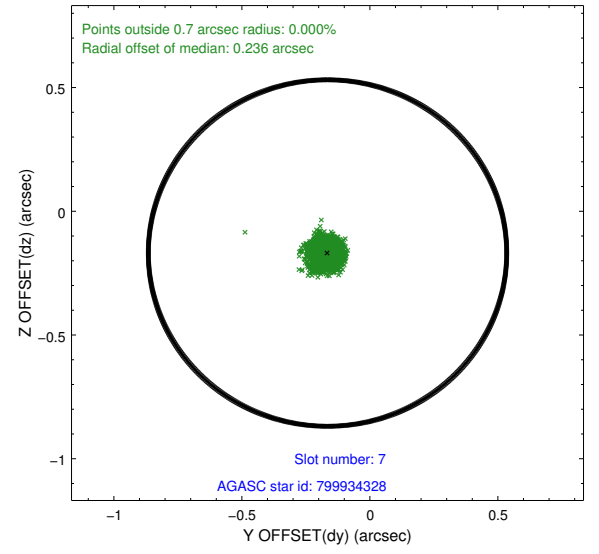
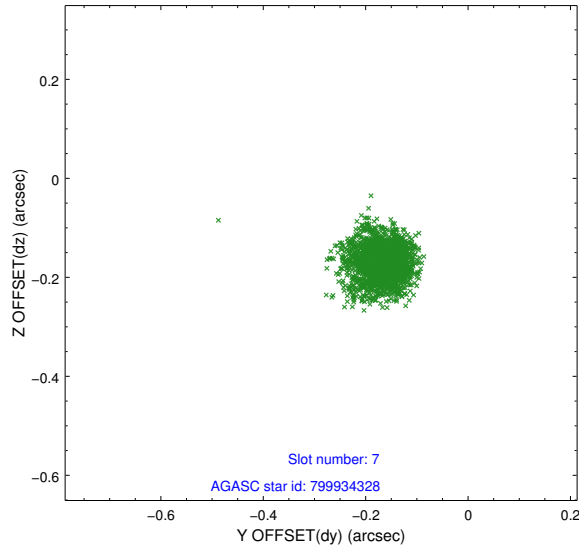
2.4.3 Slot 5



2.4.4 Slot 6

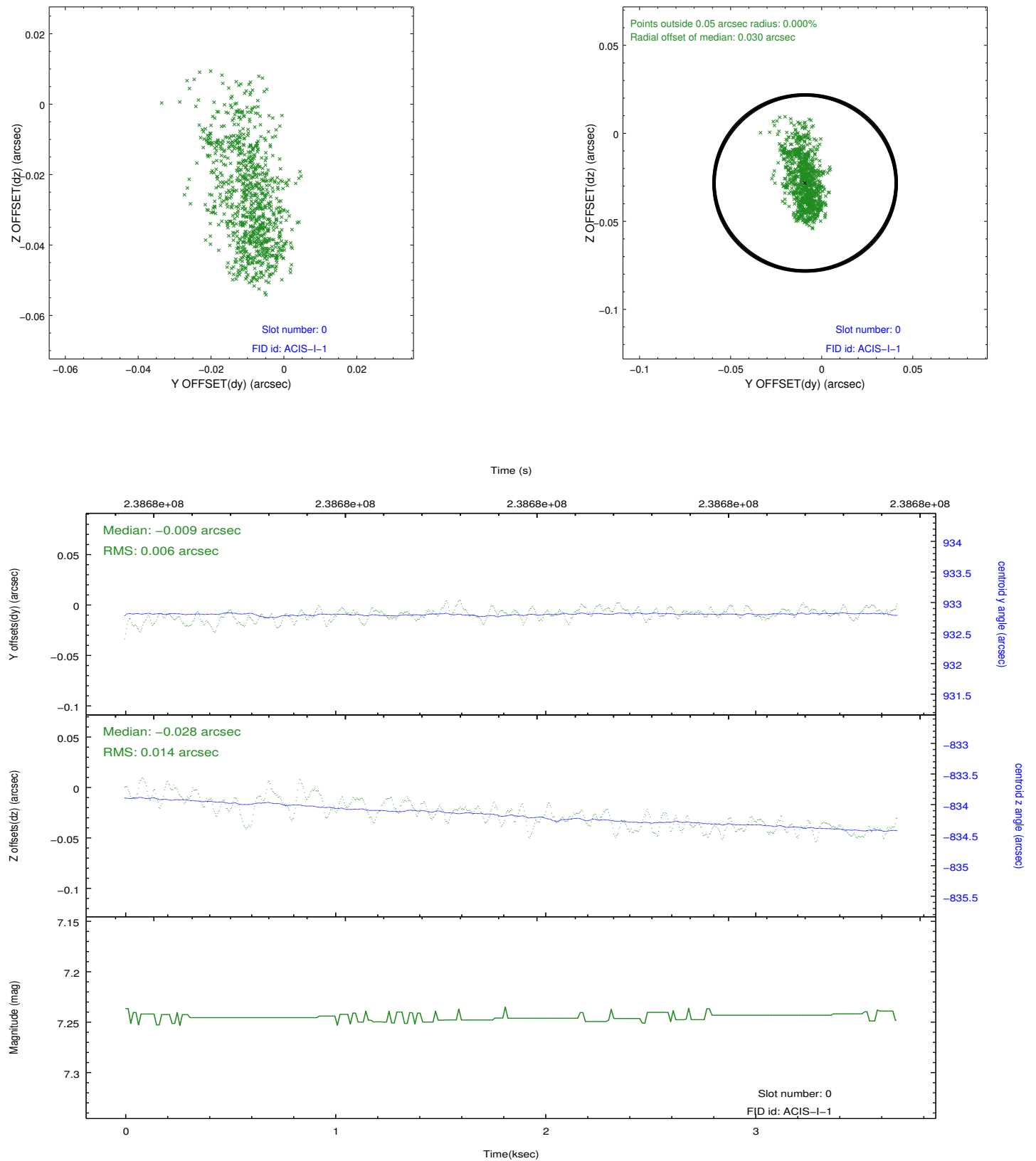


2.4.5 Slot 7

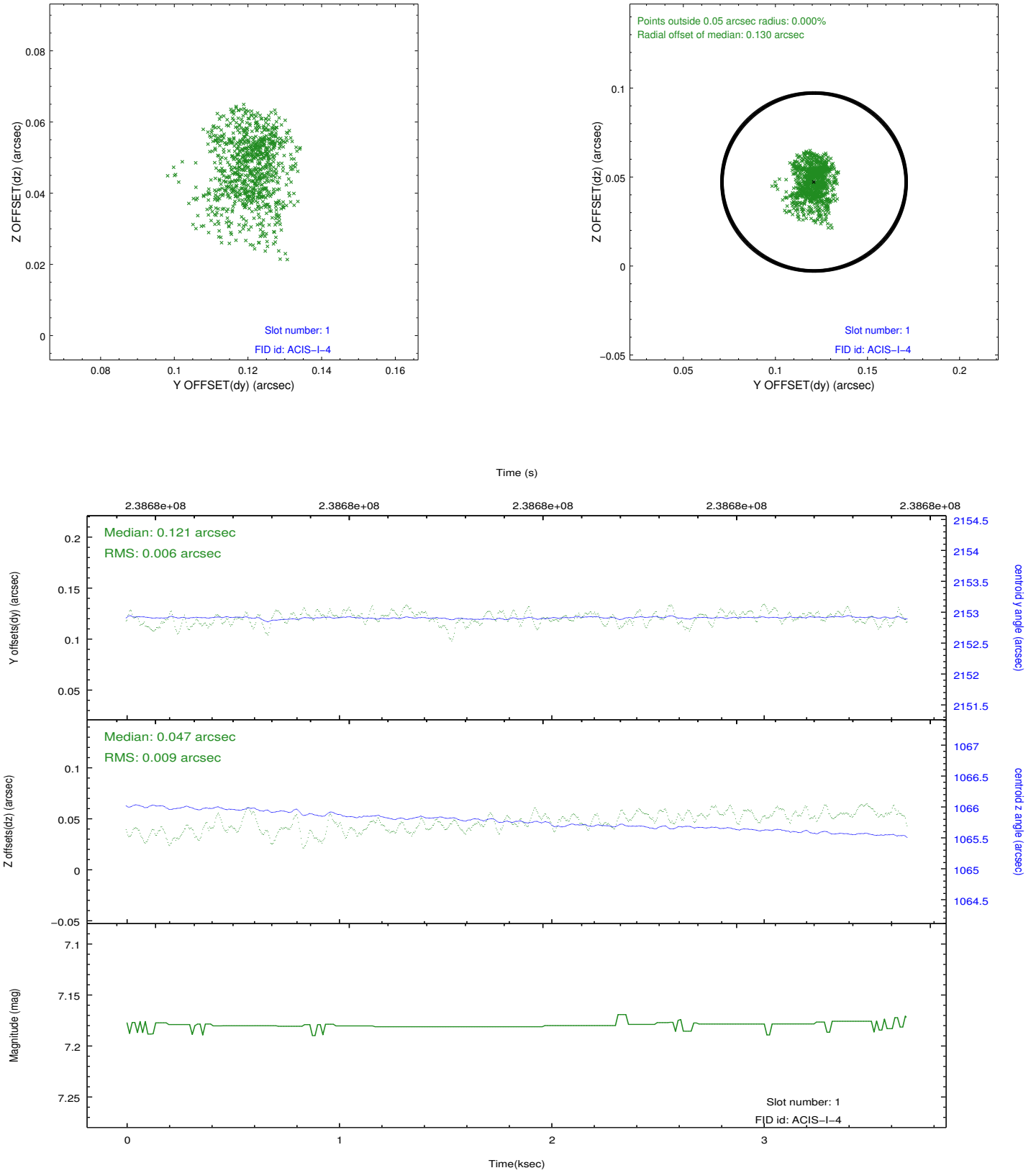


2.5 FID Slots

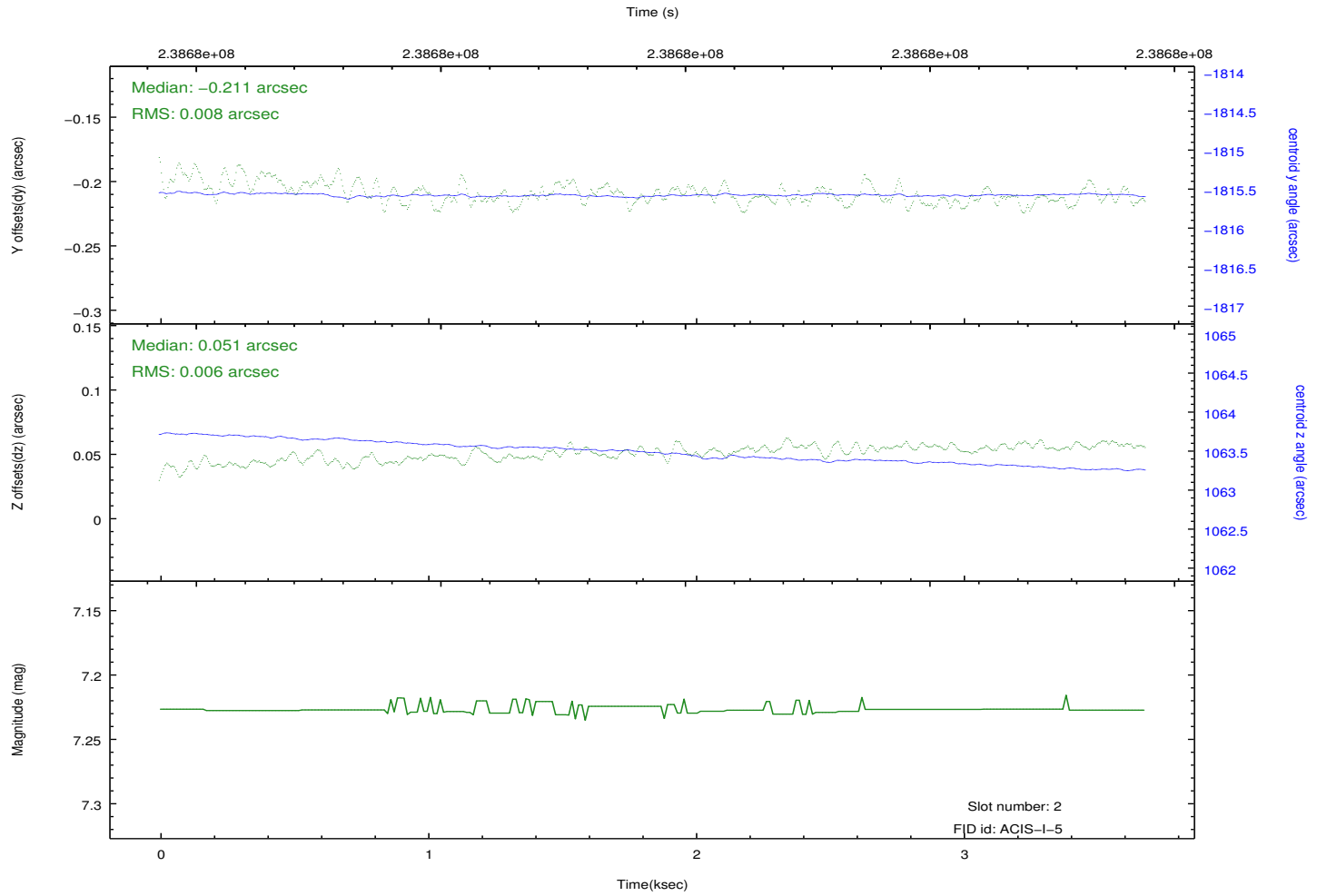
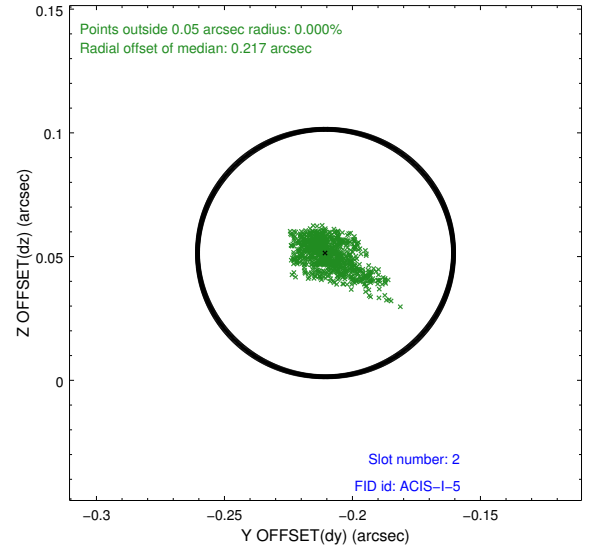
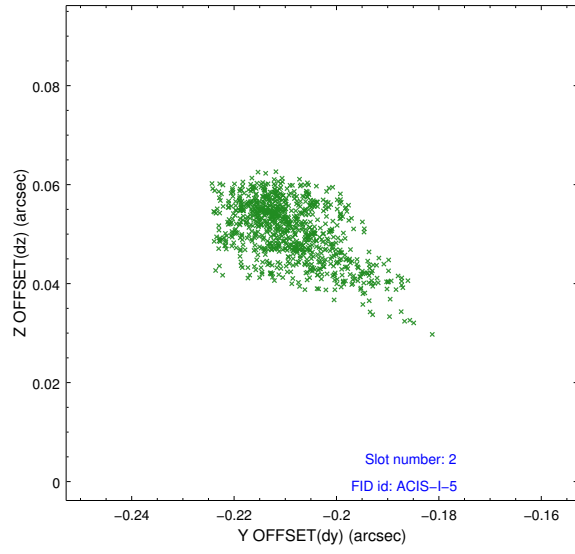
2.5.1 Slot 0



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)	2013.01.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.260449

A.2 Comments