

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2290 - L2 Version 3
Chandra X-Ray Center

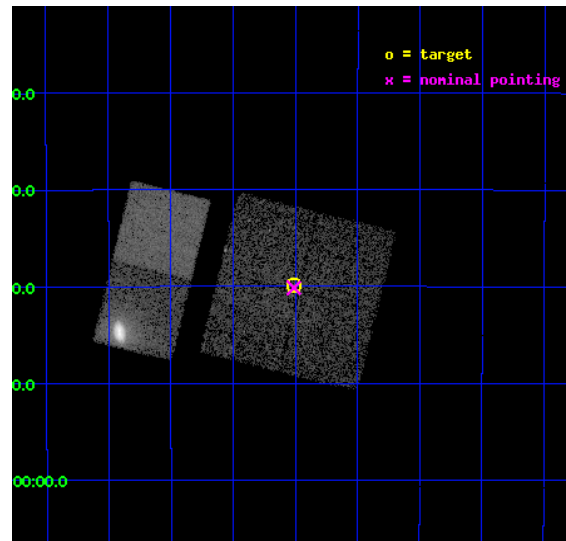
L2 Processing Date : Sep 20 2012

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1 Front

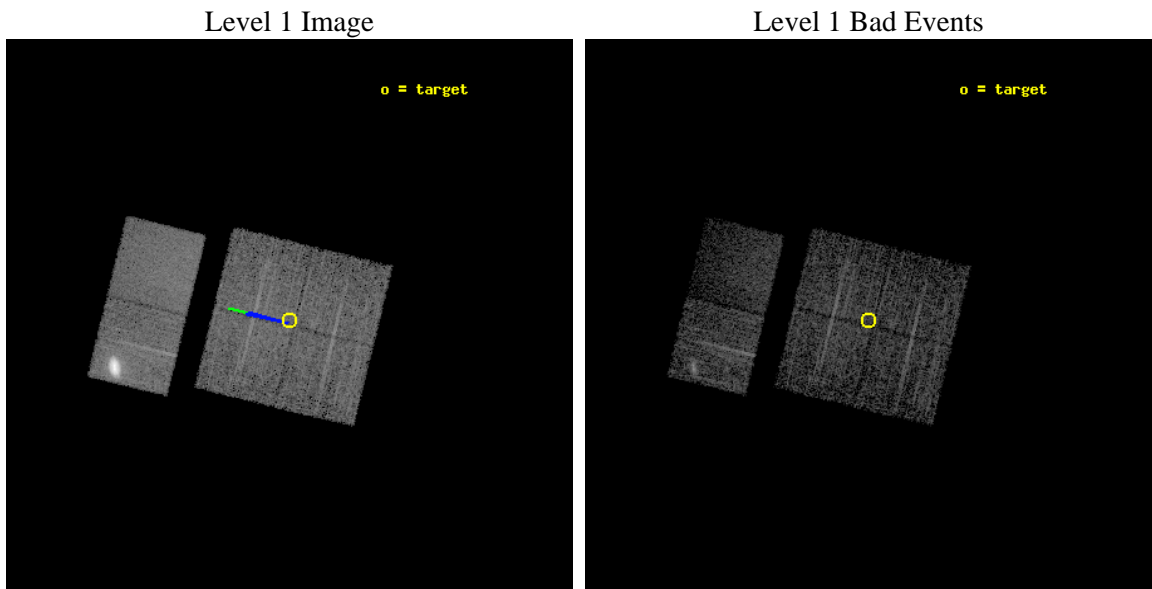
seq_num	900117	Sequence number
obs_id	2290	Observation id
title	CHANDRA SURVEY OF THE GALACTIC RIDGE AROUND THE MILKY WAY CENTER	P
observer	Prof. Q. Daniel Wang	Principal investigator
object	GCS 30	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	265.6288	Observer's specified target RA [deg]
dec_targ	-29.6645	Observer's specified target Dec [deg]
ra_nom	265.62791725866	Nominal RA [deg]
dec_nom	-29.669198449533	Nominal Dec [deg]
roll_nom	283.80725682985	Nominal Roll [deg]
revision	3	Processing version of data
ontime	11760.000010937	Sum of GTIs [s]
livetime	11611.087809777	Livetime [s]
ontime0	11760.000010937	Sum of GTIs [s]
ontime1	11760.000010937	Sum of GTIs [s]
ontime2	11756.759040684	Sum of GTIs [s]
ontime3	11760.000010937	Sum of GTIs [s]
ontime6	11760.000010937	Sum of GTIs [s]
ontime7	11760.000010937	Sum of GTIs [s]
l2events	92138	Number of level 2 events



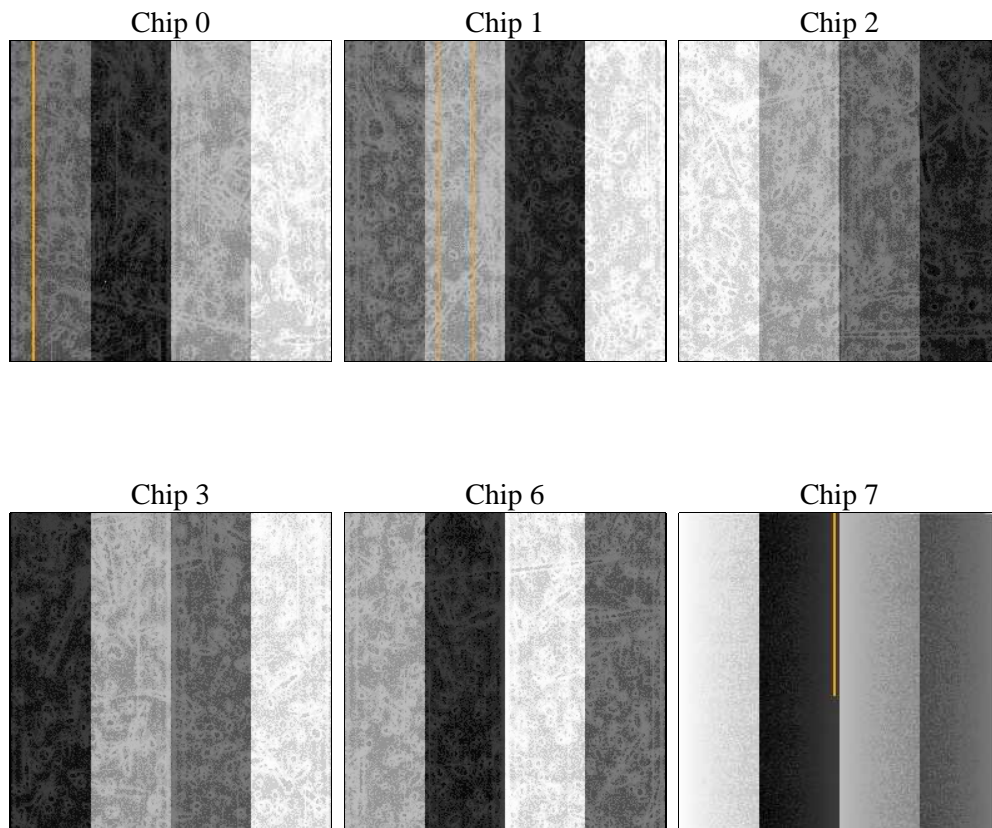
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	12000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	11760.000010937	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime0	11760.000010937	Sum of GTIs [s]
date	2012-09-20T19:36:47	Date and time of file creation	ontime1	11760.000010937	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	11756.759040684	Sum of GTIs [s]
			ontime3	11760.000010937	Sum of GTIs [s]
			ontime6	11760.000010937	Sum of GTIs [s]
			ontime7	11760.000010937	Sum of GTIs [s]
			l1events	241330	Number of level 1 events

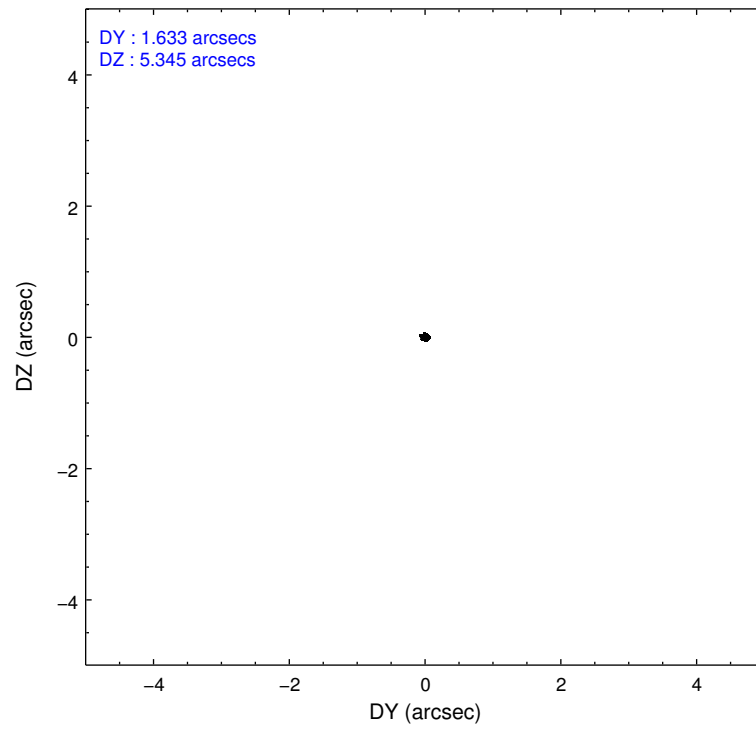
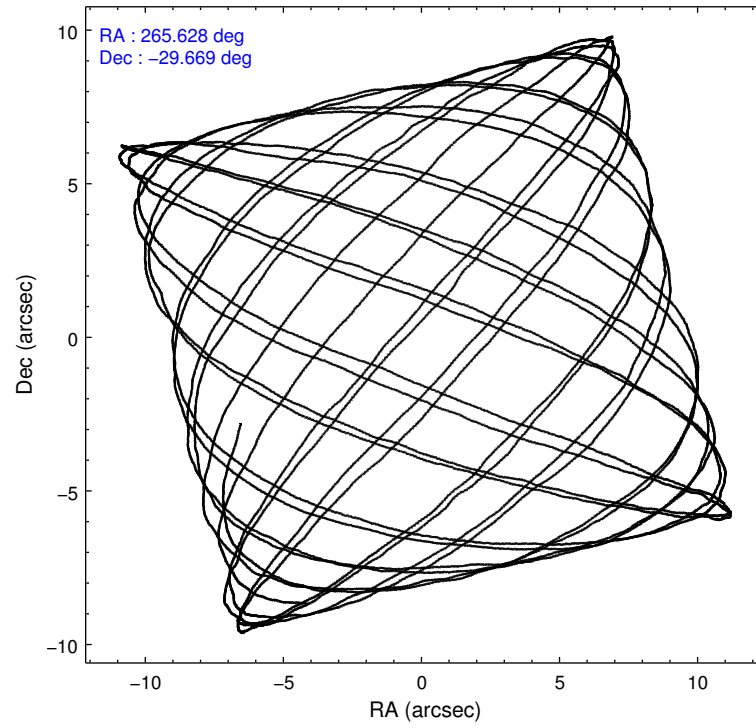
2.1.4 Events

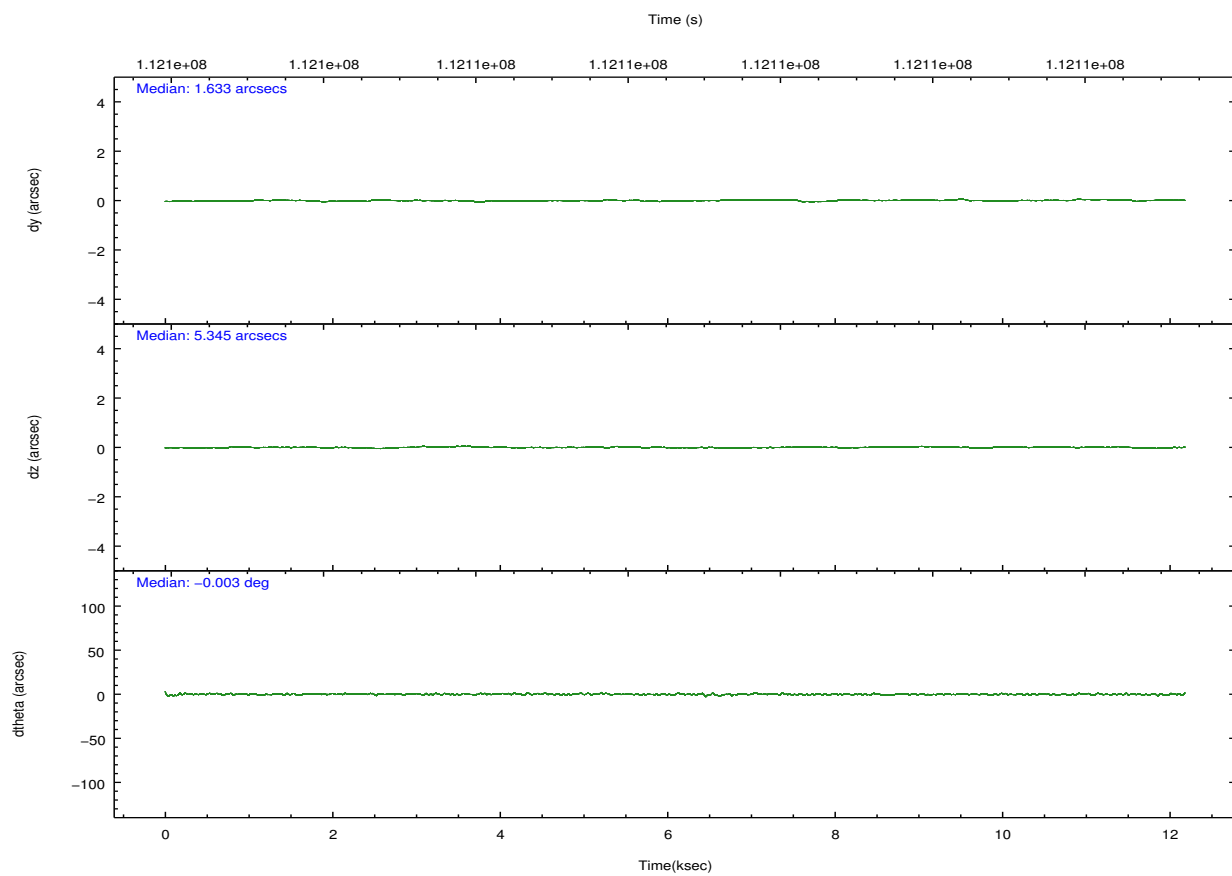
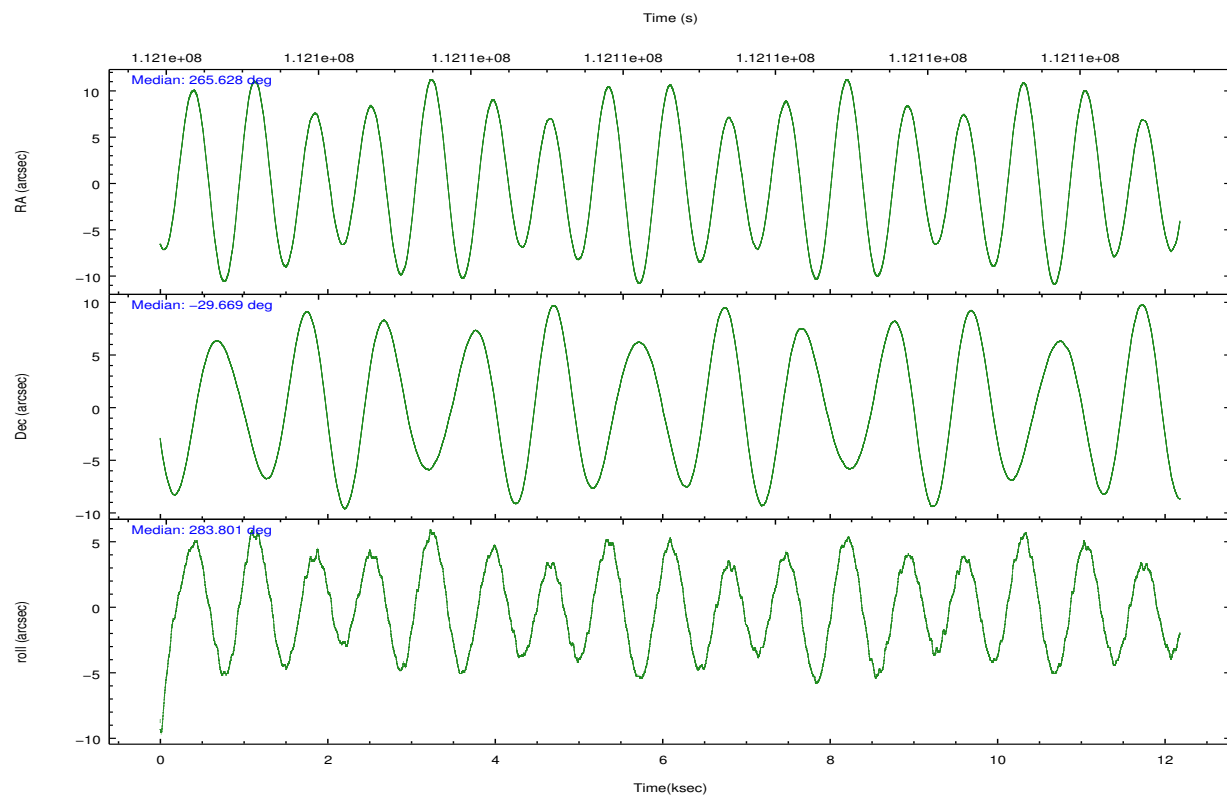
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	28477	28628	31506	31726	81567	39426	grade 0 events	2643	2330	3354	2842	32479	2171
rejected events	23130	23400	25183	25922	29108	17977		9%	8%	10%	8%	39%	5%
rejected %	81%	81%	79%	81%	35%	45%	grade 1 events	28	27	30	32	223	42
								0%	0%	0%	0%	0%	0%
							grade 2 events	1018	1067	1166	1131	8358	4442
								3%	3%	3%	3%	10%	11%
							grade 3 events	451	482	489	480	2930	2070
								1%	1%	1%	1%	3%	5%
							grade 4 events	450	476	448	471	3041	1992
								1%	1%	1%	1%	3%	5%
							grade 5 events	1205	1356	1170	1341	1774	4336
								4%	4%	3%	4%	2%	10%
							grade 6 events	788	875	866	880	5651	10783
								2%	3%	2%	2%	6%	27%
							grade 7 events	21894	22015	23983	24549	27111	13590
								76%	76%	76%	77%	33%	34%

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	265.606049	265.6279172586647	Subarray requested	NONE	NONE
[deg] Pointing Dec	-29.649395	-29.66919844953253	Alternating exposures requested	N	N
[deg] Pointing Roll	283.587746	283.8072568298488	[s] Primary exposure time	0.000000	3.2
[deg] Roll angle	283.600000	283.600000			
[deg] Roll tolerance	2.000000	2.000000			
Roll constraint allows 180D rotation	N	N			
[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)	112102706.184000	112102330.02587			
Observation start date	2001-07-21T11:37:22	2001-07-21T11:32:10			
[s] Observation end time (MET)	112114706.184000	112115019.52637			
Observation end date	2001-07-21T14:57:22	2001-07-21T15:03:39			
Read mode	TIMED	TIMED			

2.3 Aspect



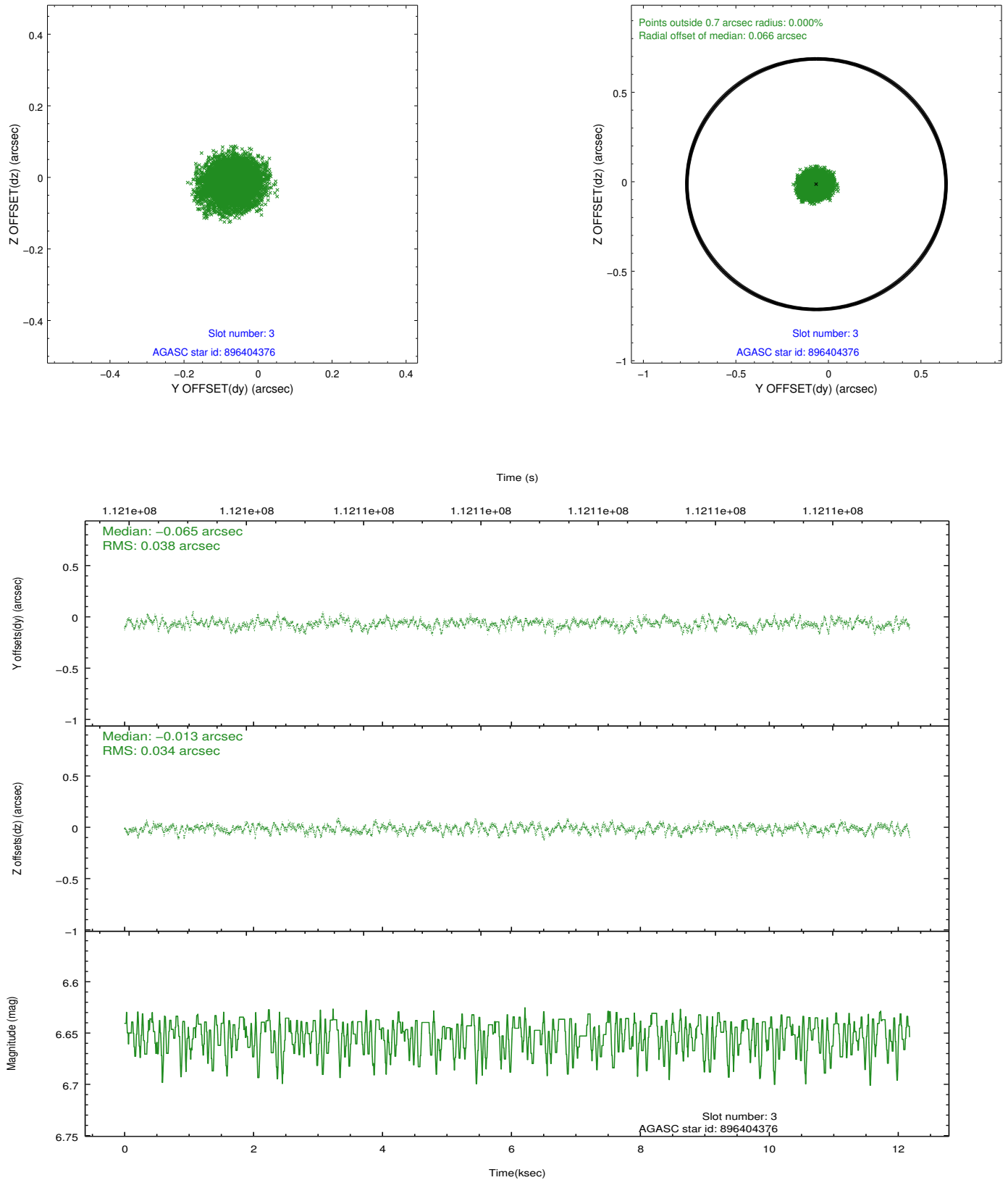


Slot Statistics

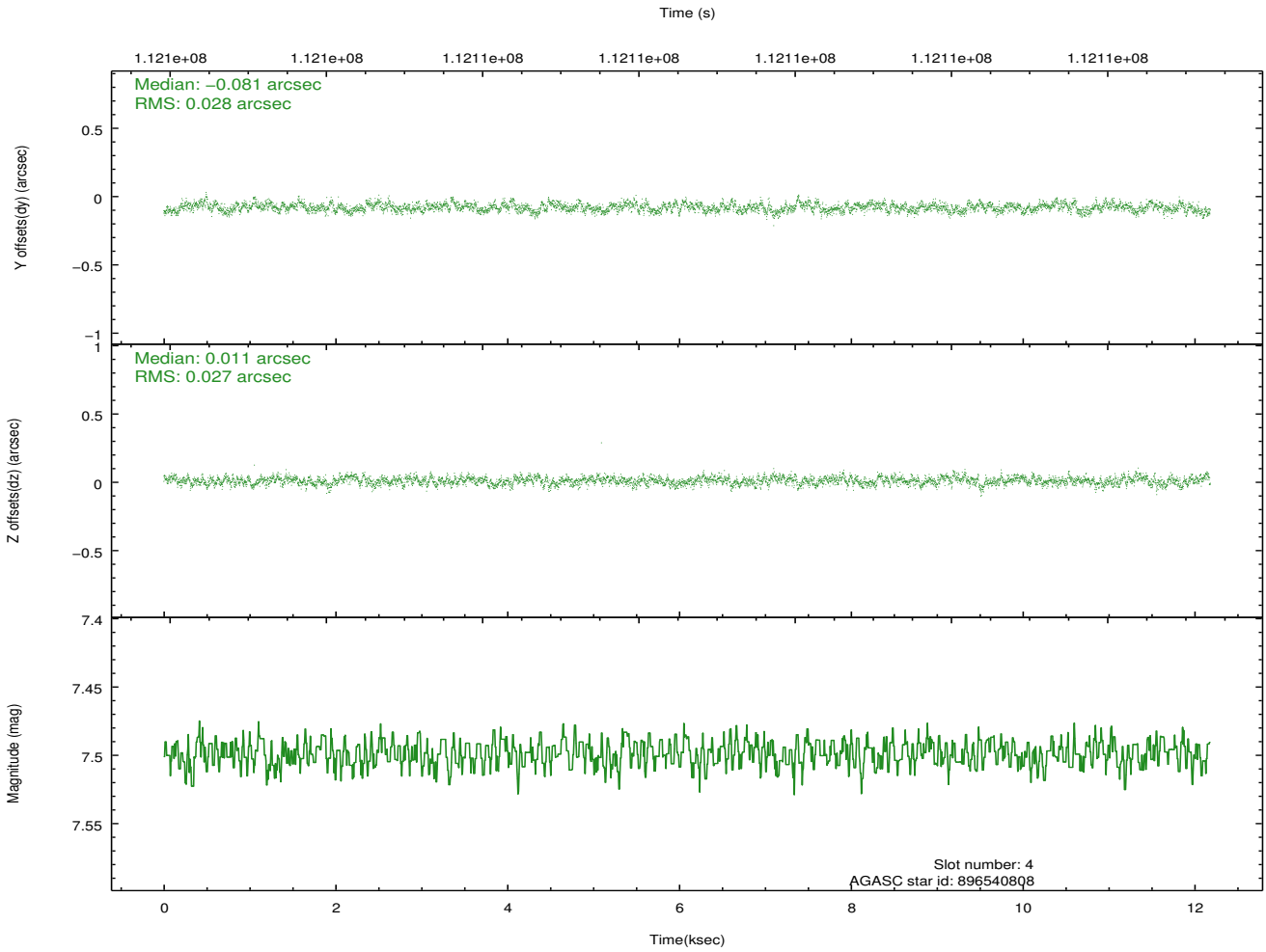
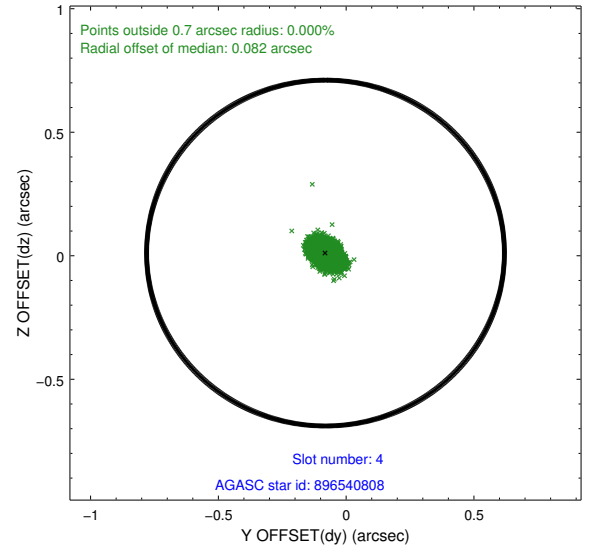
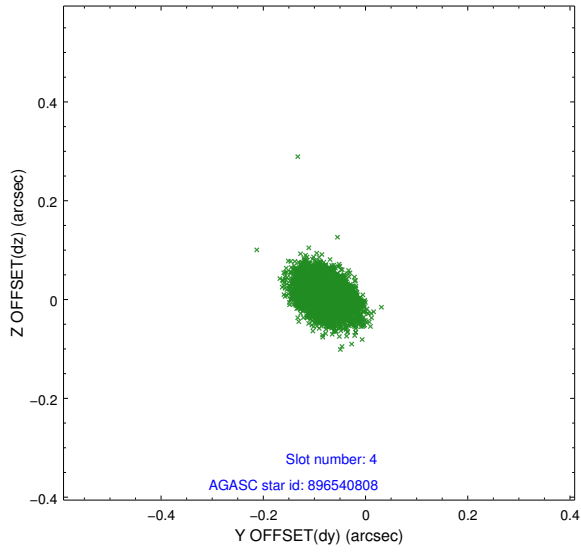
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	2971	-0.025	-0.050	0.009	0.016	0.000000	0.000000	-755.99	-835.12
1	FID	ACIS-I-4	7.19	2970	-0.026	0.037	0.006	0.010	0.000000	0.000000	2157.87	1070.97
2	FID	ACIS-I-5	7.23	2970	-0.049	0.082	0.009	0.014	0.000000	0.000000	-1809.33	1069.29
3	GUIDE	896404376	6.65	5942	-0.065	-0.013	0.055	0.089	264.835179	-29.530972	-972.96	-2248.51
4	GUIDE	896540808	7.50	5943	-0.081	0.011	0.041	0.067	265.985401	-29.308604	-910.52	1445.22
5	GUIDE	966924920	8.09	5942	0.131	-0.005	0.057	0.091	265.875401	-30.176961	2044.66	369.24
6	GUIDE	896405480	8.24	5942	0.019	-0.026	0.054	0.090	265.220460	-29.599691	-454.30	-1131.26
7	GUIDE	896541168	8.15	5940	0.001	0.034	0.076	0.118	266.319970	-29.850801	1235.66	1995.12

2.4 Star Slots

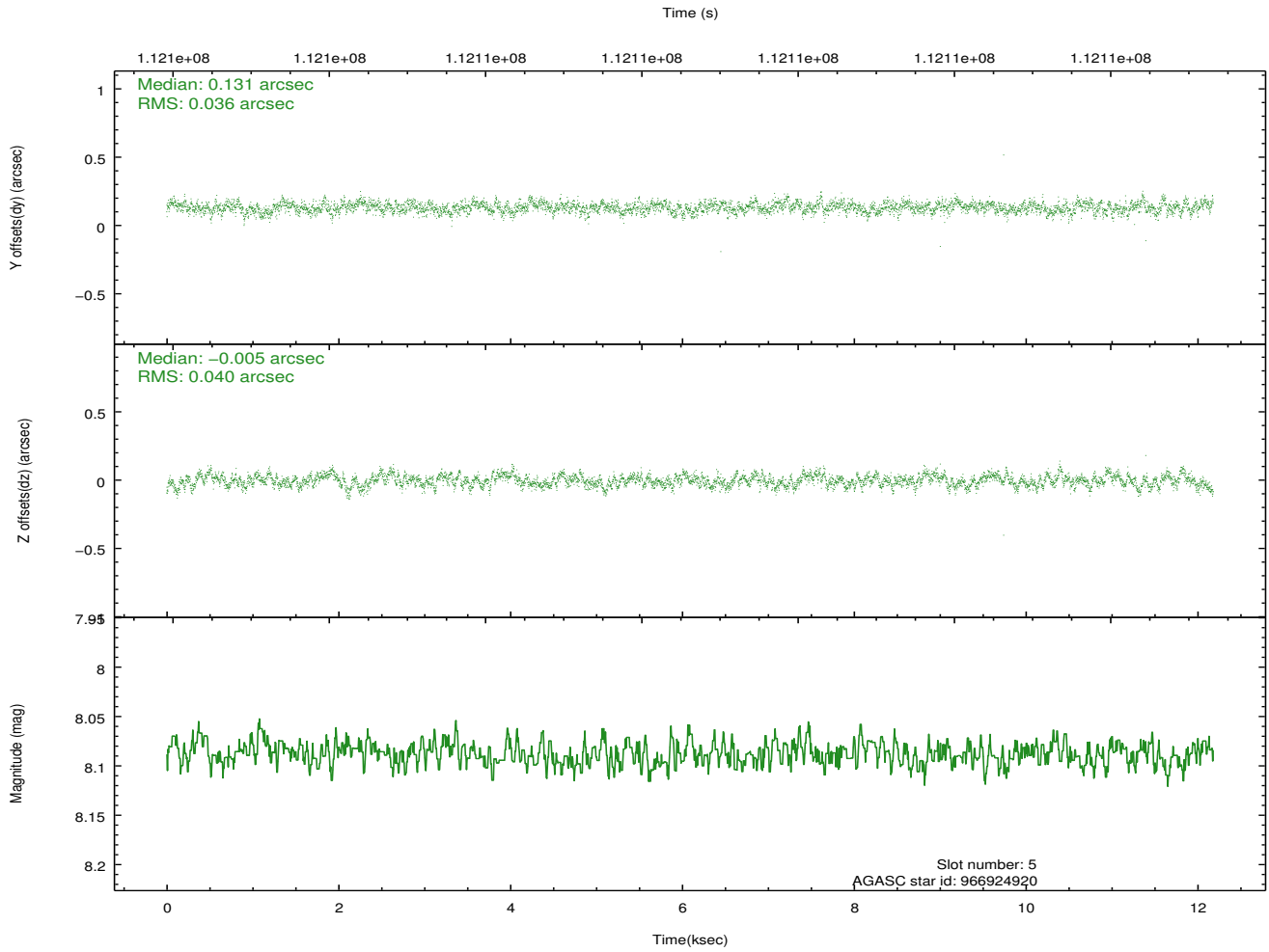
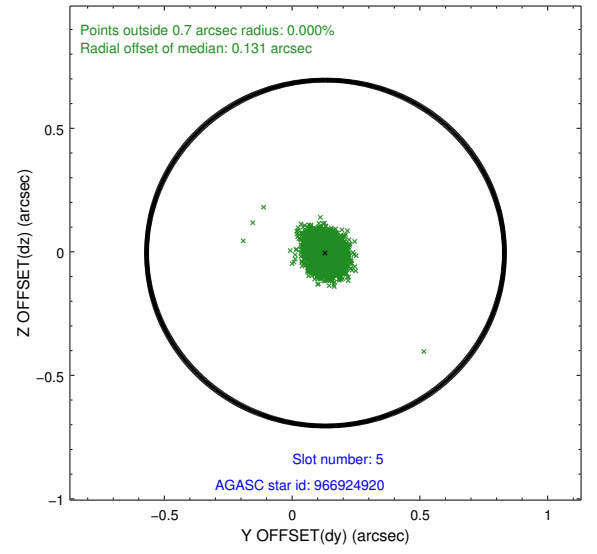
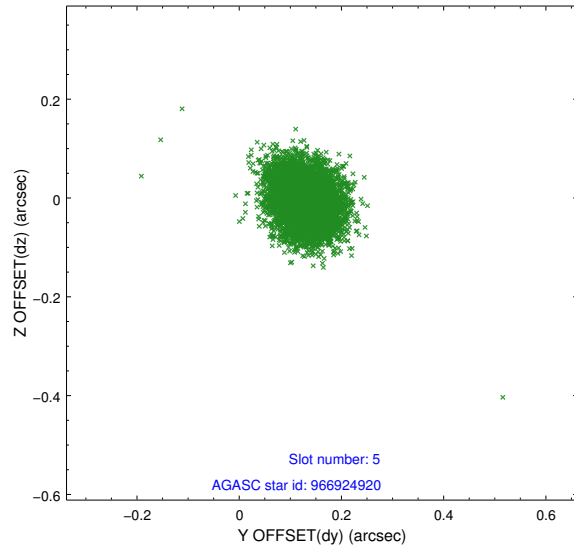
2.4.1 Slot 3



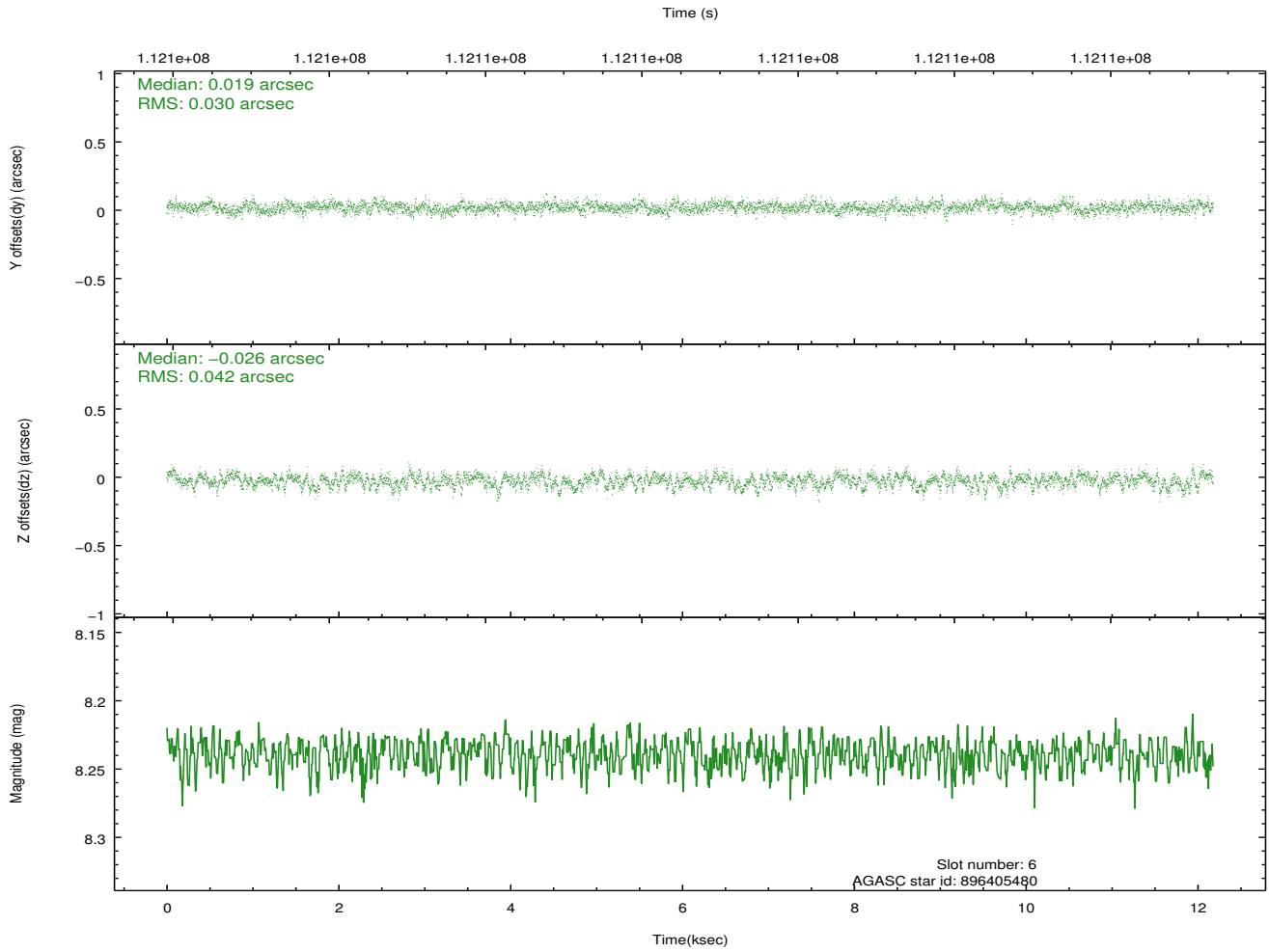
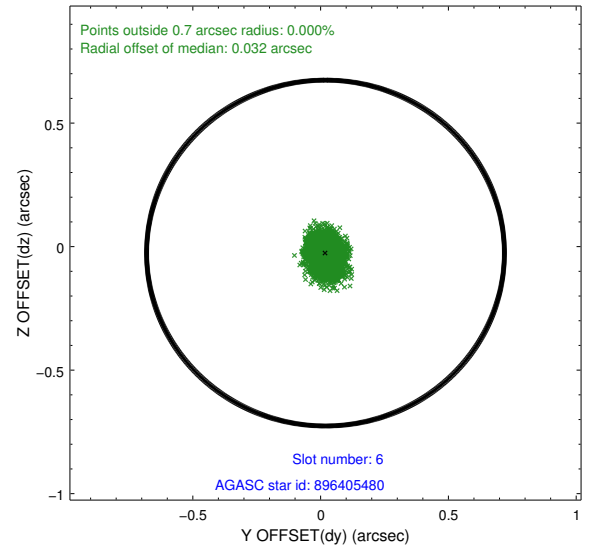
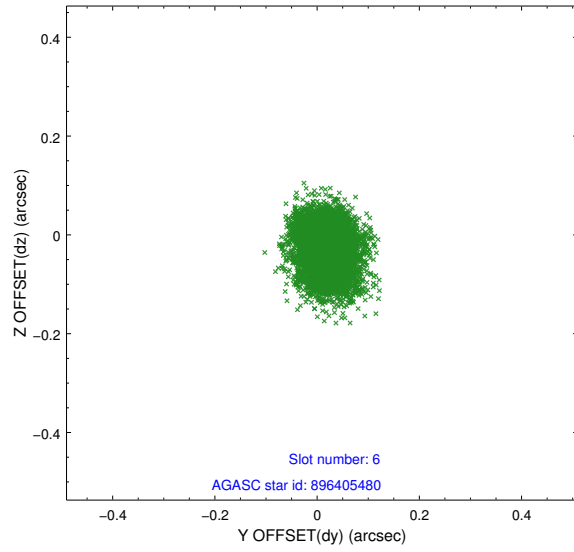
2.4.2 Slot 4



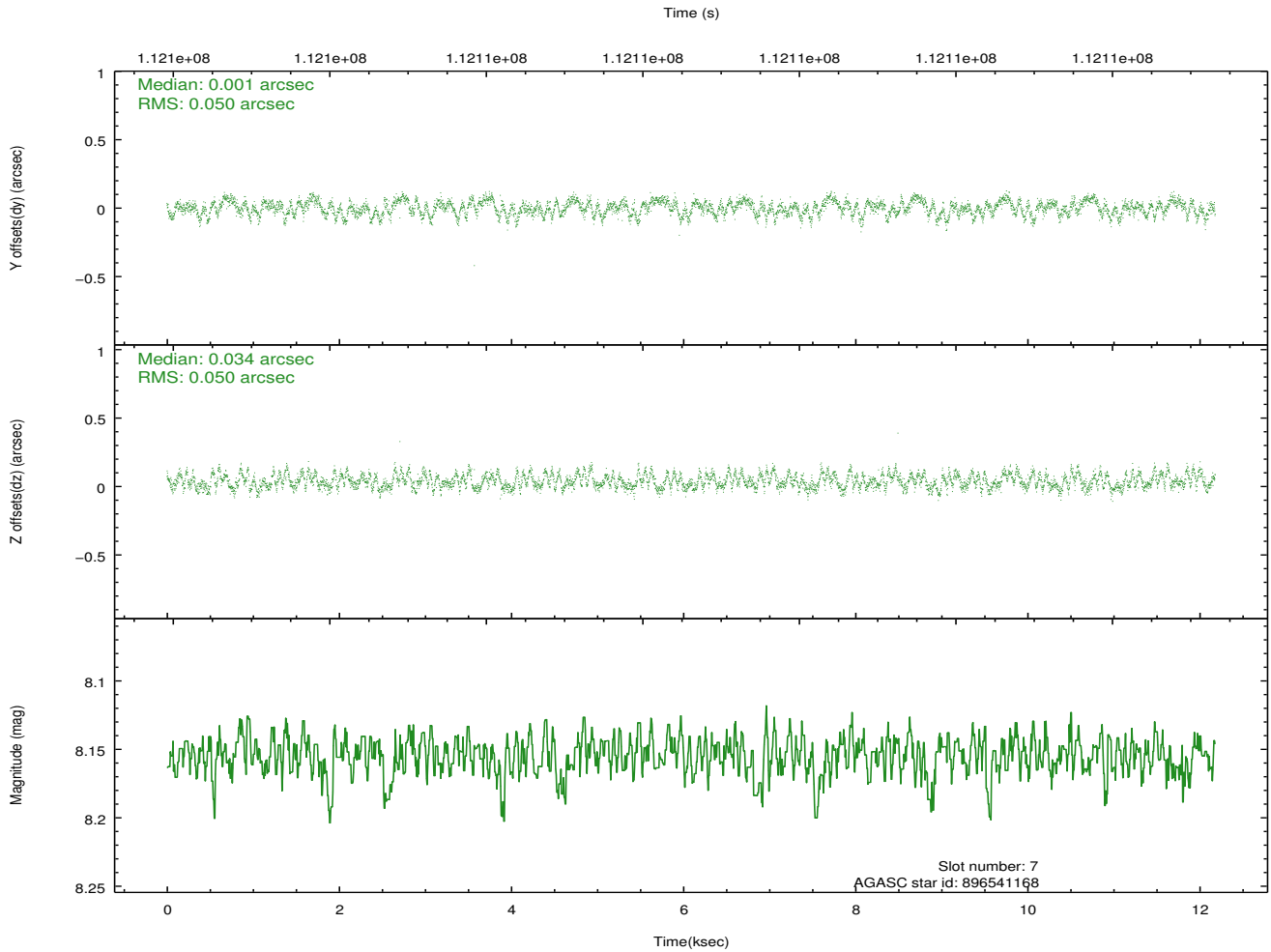
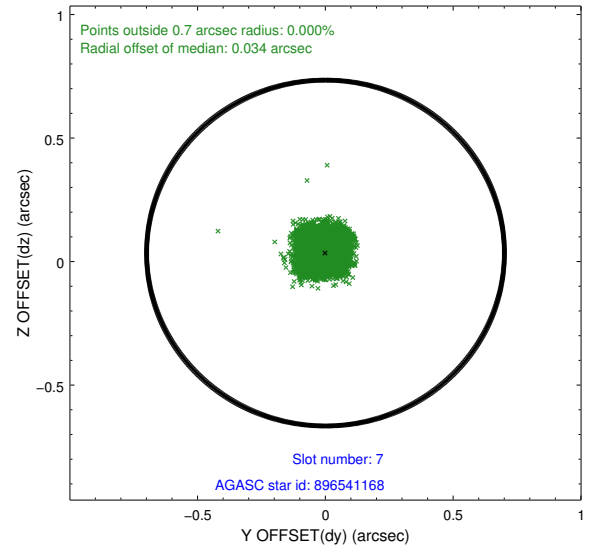
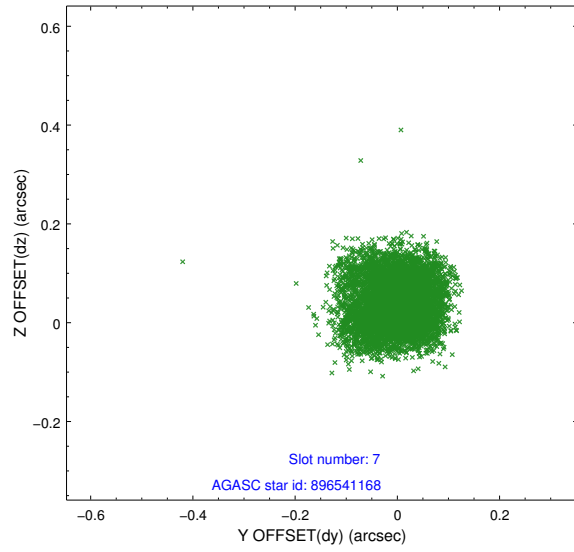
2.4.3 Slot 5



2.4.4 Slot 6

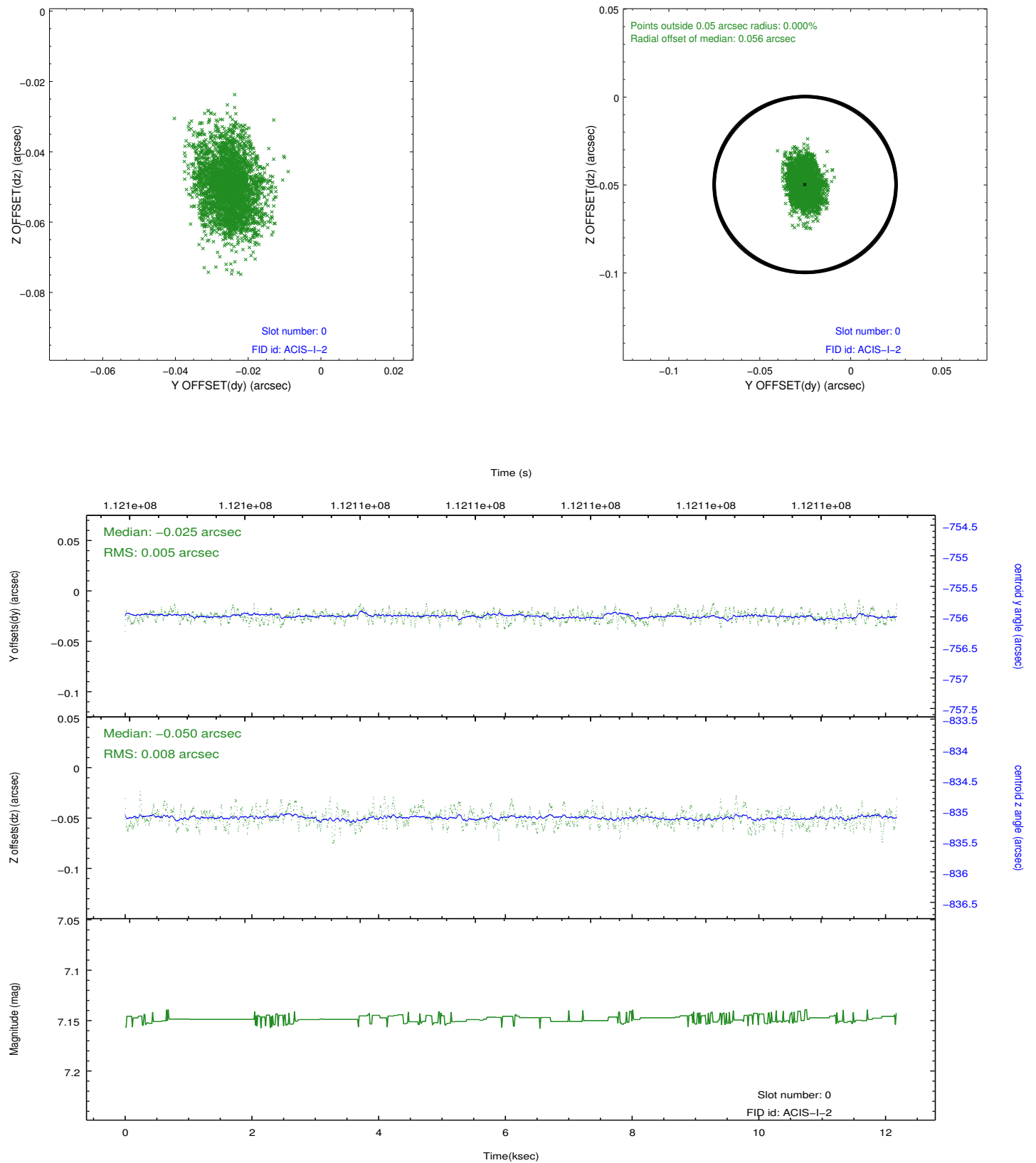


2.4.5 Slot 7

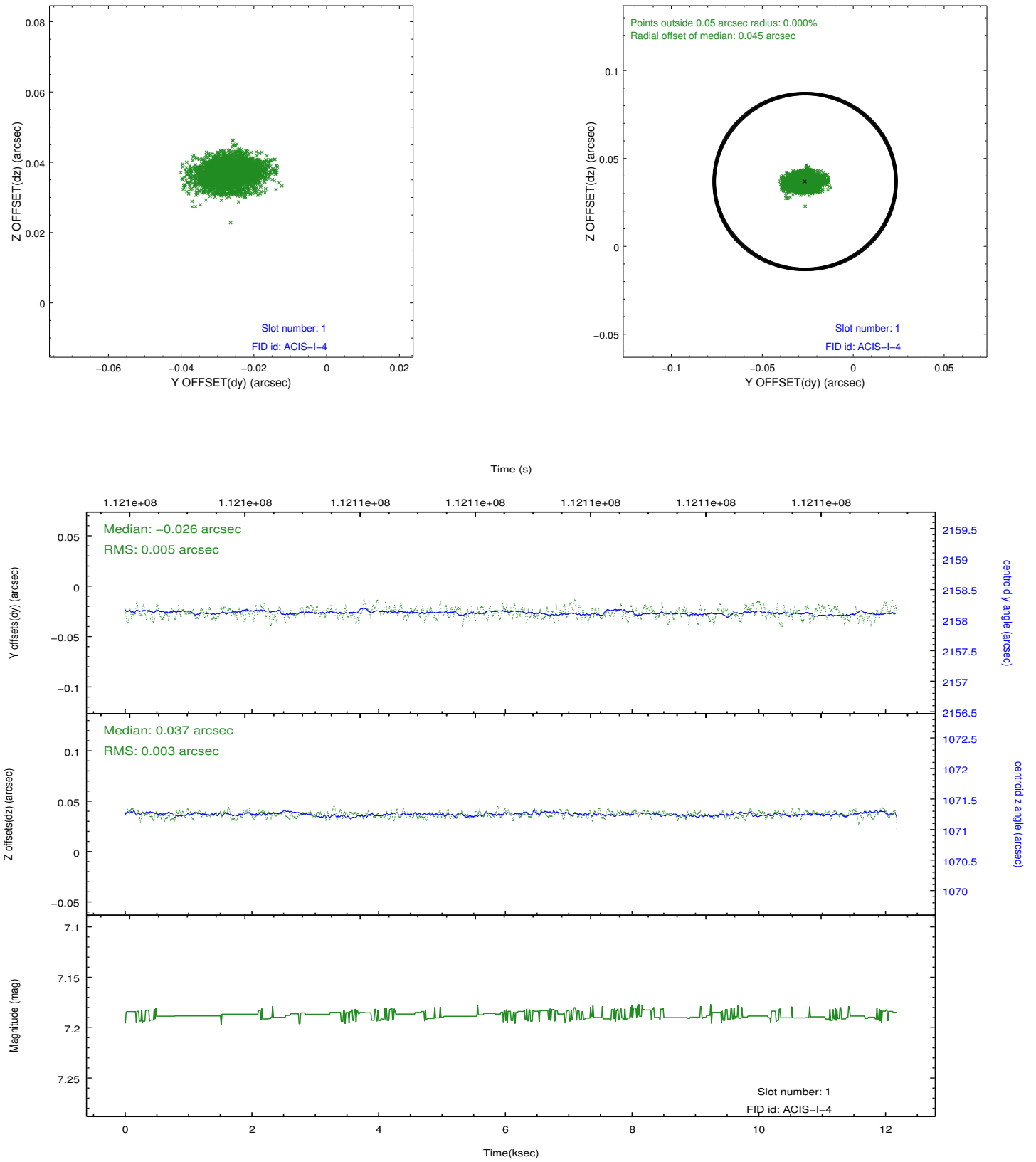


2.5 FID Slots

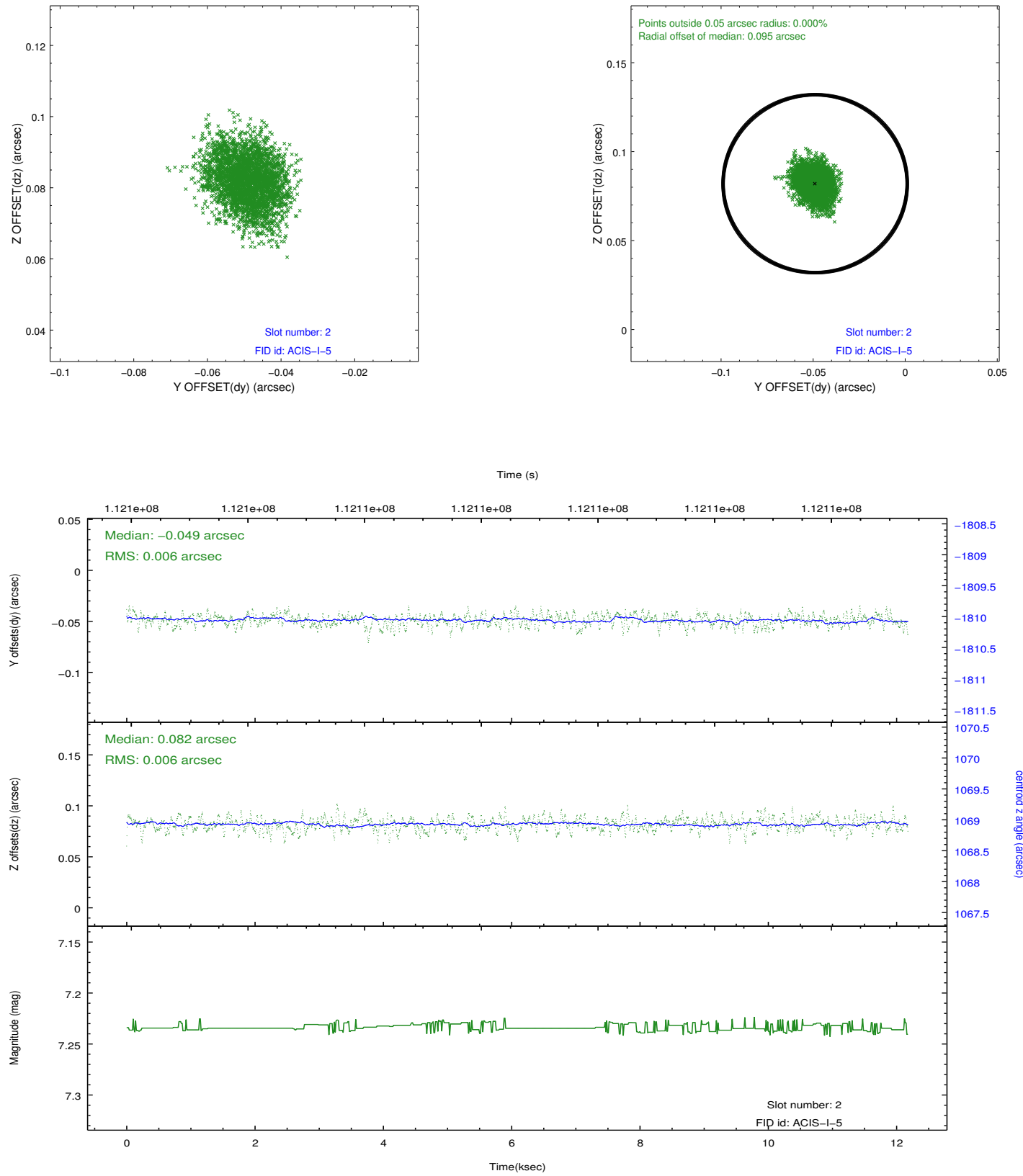
2.5.1 Slot 0



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)	2012.09.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	11.76

A.2 Comments

Roll preference met.