

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10848 - L2 Version 2
Chandra X-Ray Center

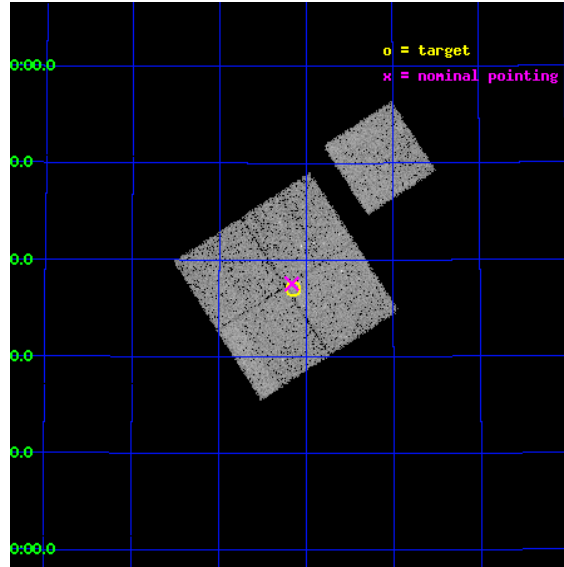
L2 Processing Date : May 28 2012

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1 Front

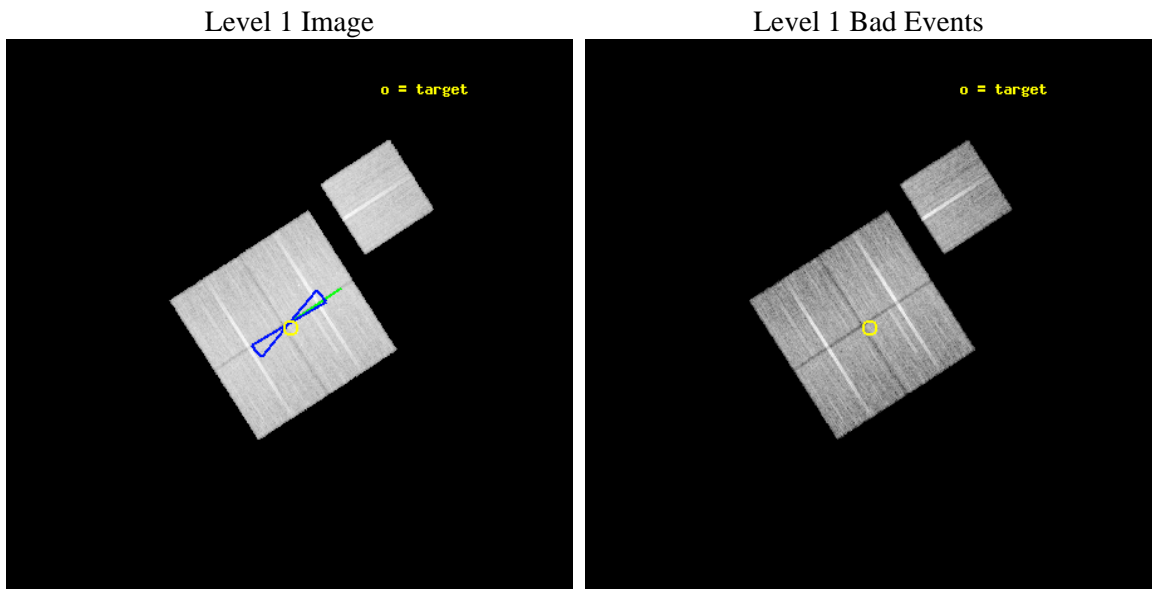
seq_num	900798	Sequence number
obs_id	10848	Observation id
title	The Evolution of Faint AGN at High Redshift	Proposal title
observer	Prof Kirpal Nandra	Principal investigator
object	AEGIS-3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	214.5375	Observer's specified target RA [deg]
dec_targ	52.617889	Observer's specified target Dec [deg]
ra_nom	214.54108980487	Nominal RA [deg]
dec_nom	52.625674495903	Nominal Dec [deg]
roll_nom	57.205831963336	Nominal Roll [deg]
revision	2	Processing version of data
ontime	18144.259169281	Sum of GTIs [s]
livetime	17907.191065625	Livetime [s]
ontime0	18144.259169221	Sum of GTIs [s]
ontime1	18141.118208766	Sum of GTIs [s]
ontime2	18141.118158877	Sum of GTIs [s]
ontime3	18144.259169281	Sum of GTIs [s]
ontime6	18144.259149313	Sum of GTIs [s]
l2events	65296	Number of level 2 events



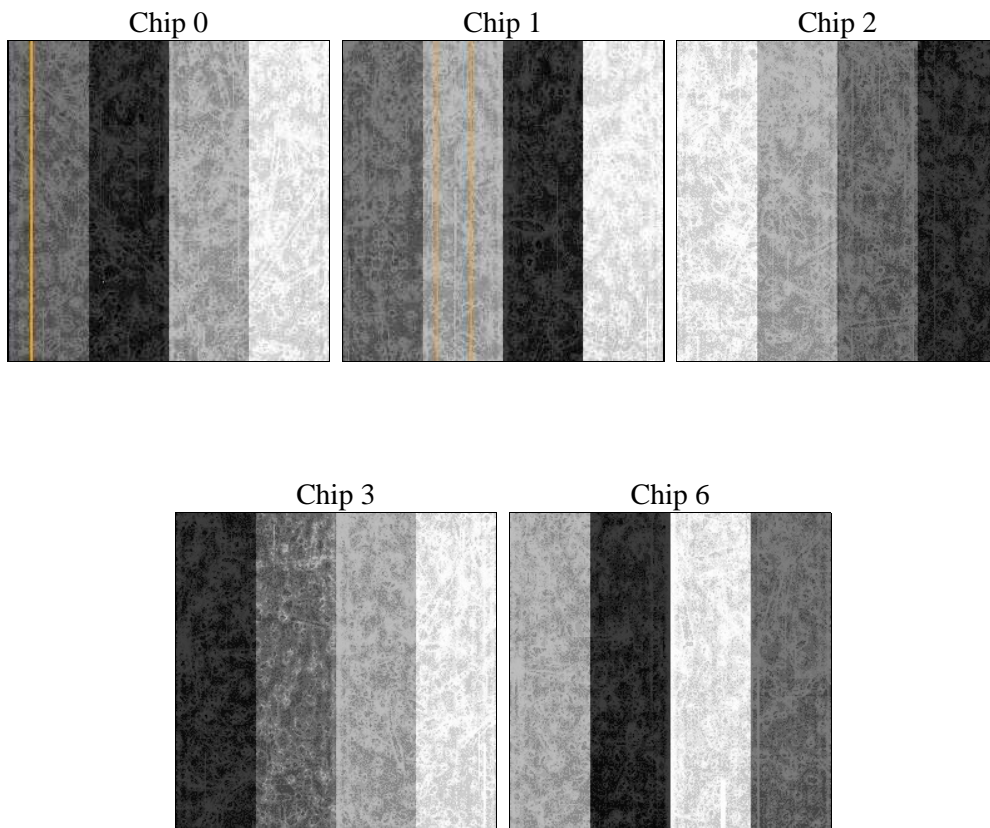
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	18000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	18144.259169281	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	18144.259169221	Sum of GTIs [s]
date	2012-05-28T12:06:55	Date and time of file creation	ontime1	18141.118208766	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	18141.118158877	Sum of GTIs [s]
			ontime3	18144.259169281	Sum of GTIs [s]
			ontime6	18144.259149313	Sum of GTIs [s]
			l1events	741353	Number of level 1 events

2.1.4 Events

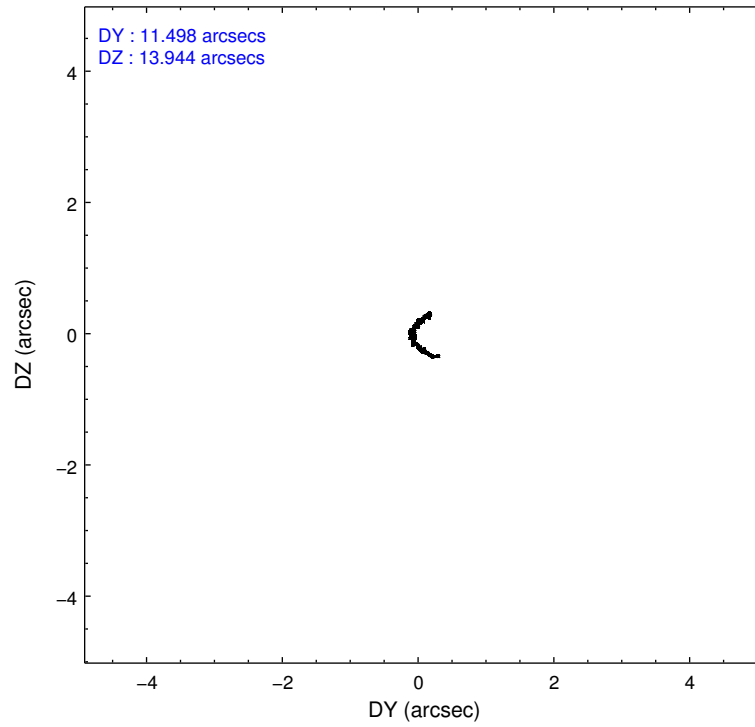
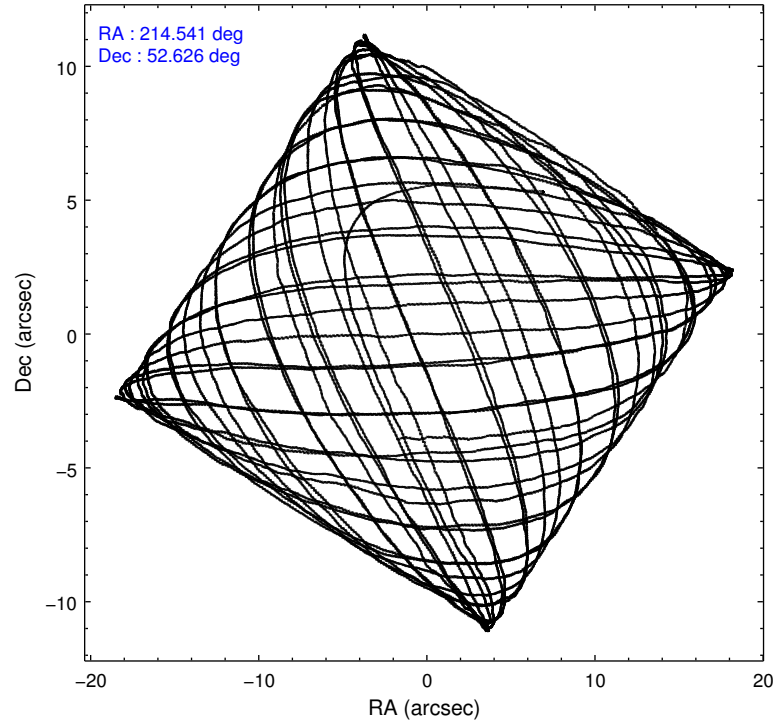
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	143804	140265	160433	147578	149273
rejected events	128556	123230	144662	132732	133623
rejected %	89%	87%	90%	89%	89%

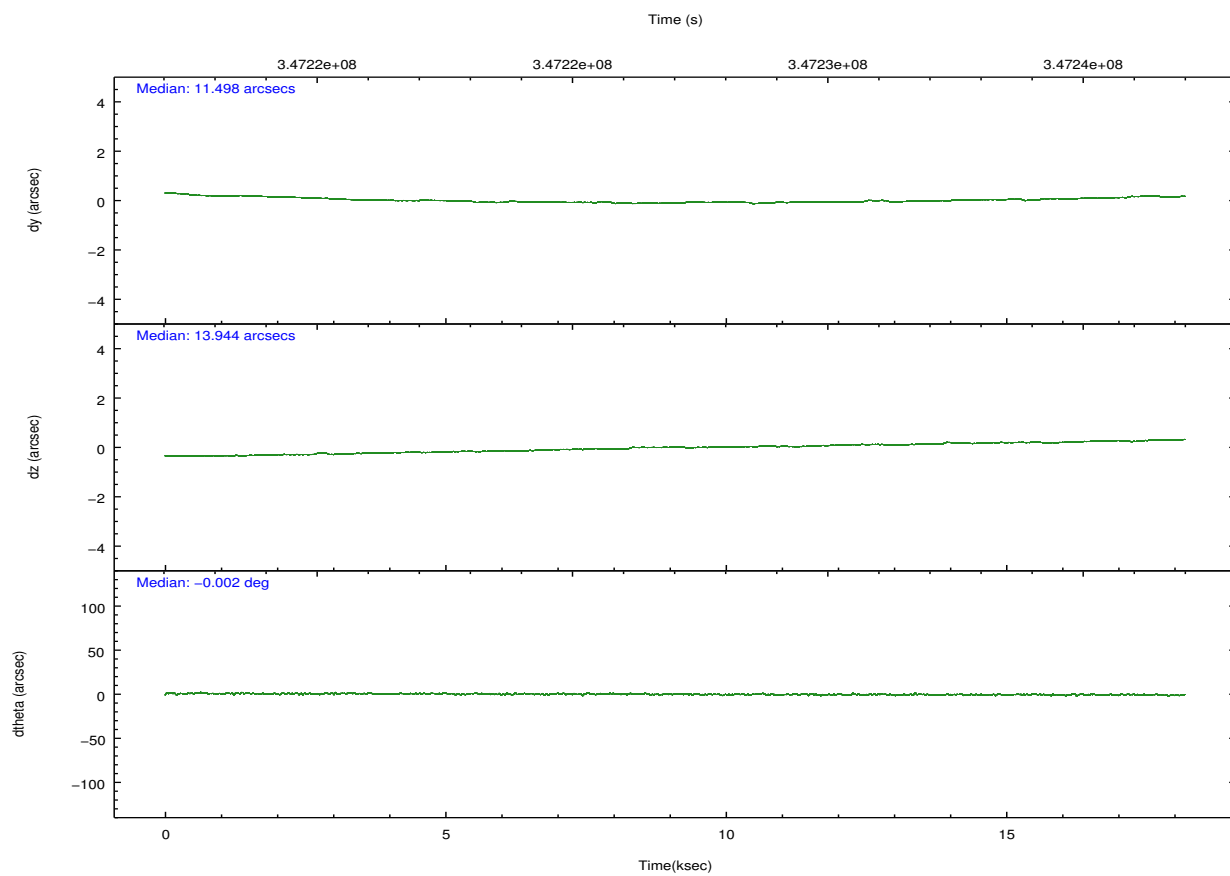
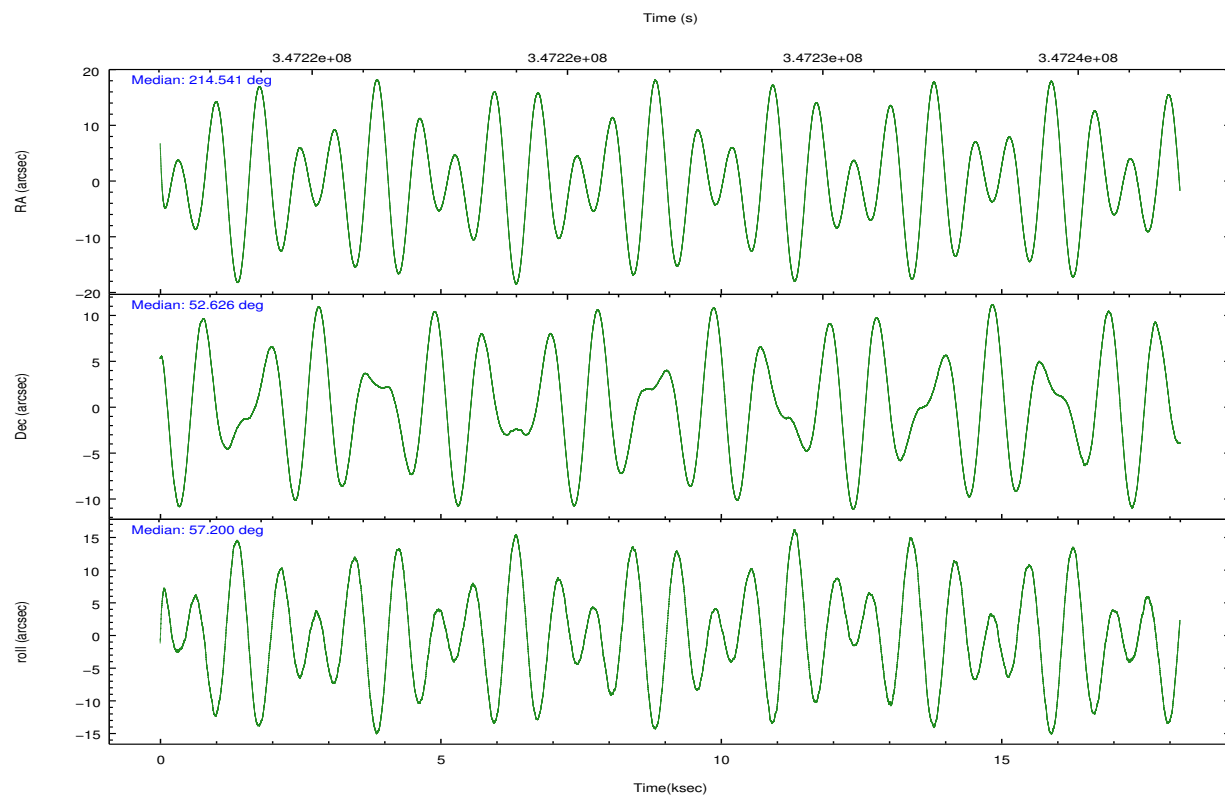
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	5229	6064	5796	5196	5394
	3%	4%	3%	3%	3%
grade 1 events	77	65	107	98	88
	0%	0%	0%	0%	0%
grade 2 events	3807	3910	3732	3277	3440
	2%	2%	2%	2%	2%
grade 3 events	1636	1840	1637	1672	1723
	1%	1%	1%	1%	1%
grade 4 events	1589	1778	1660	1648	1723
	1%	1%	1%	1%	1%
grade 5 events	5593	6055	5182	6505	6030
	3%	4%	3%	4%	4%
grade 6 events	2991	3446	2948	3060	3373
	2%	2%	1%	2%	2%
grade 7 events	122882	117107	139371	126122	127502
	85%	83%	86%	85%	85%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	214.539034	214.5410898048658	CCD I2 on	Y	Y
[deg] Pointing Dec	52.598195	52.62567449590254	CCD I3 on	Y	Y
[deg] Pointing Roll	56.998783	57.2058319633364	CCD S0 on	N	N
[deg] Roll angle	50.000000	50.000000	CCD S1 on	N	N
[deg] Roll tolerance	10.000000	10.000000	CCD S2 on	O1	Y
Roll constraint allows 180D rotation	Y	Y	CCD S3 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S4 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S5 on	N	N
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	Number of optional ACIS chips dropped	0	0
[mm] SIM translation stage offset	0	-0.005018542100998502	On-chip summing requested	N	N
[s] Observation start time (MET)	347218098.184000	347217117.12575	Subarray requested	NONE	NONE
Observation start date	2009-01-01T17:27:12	2009-01-01T17:11:57	Alternating exposures requested	N	N
[s] Observation end time (MET)	347236098.184000	347237124.61423	[s] Primary exposure time	0.000000	3.1
Observation end date	2009-01-01T22:27:12	2009-01-01T22:45:24			
Read mode	TIMED	TIMED			

2.3 Aspect



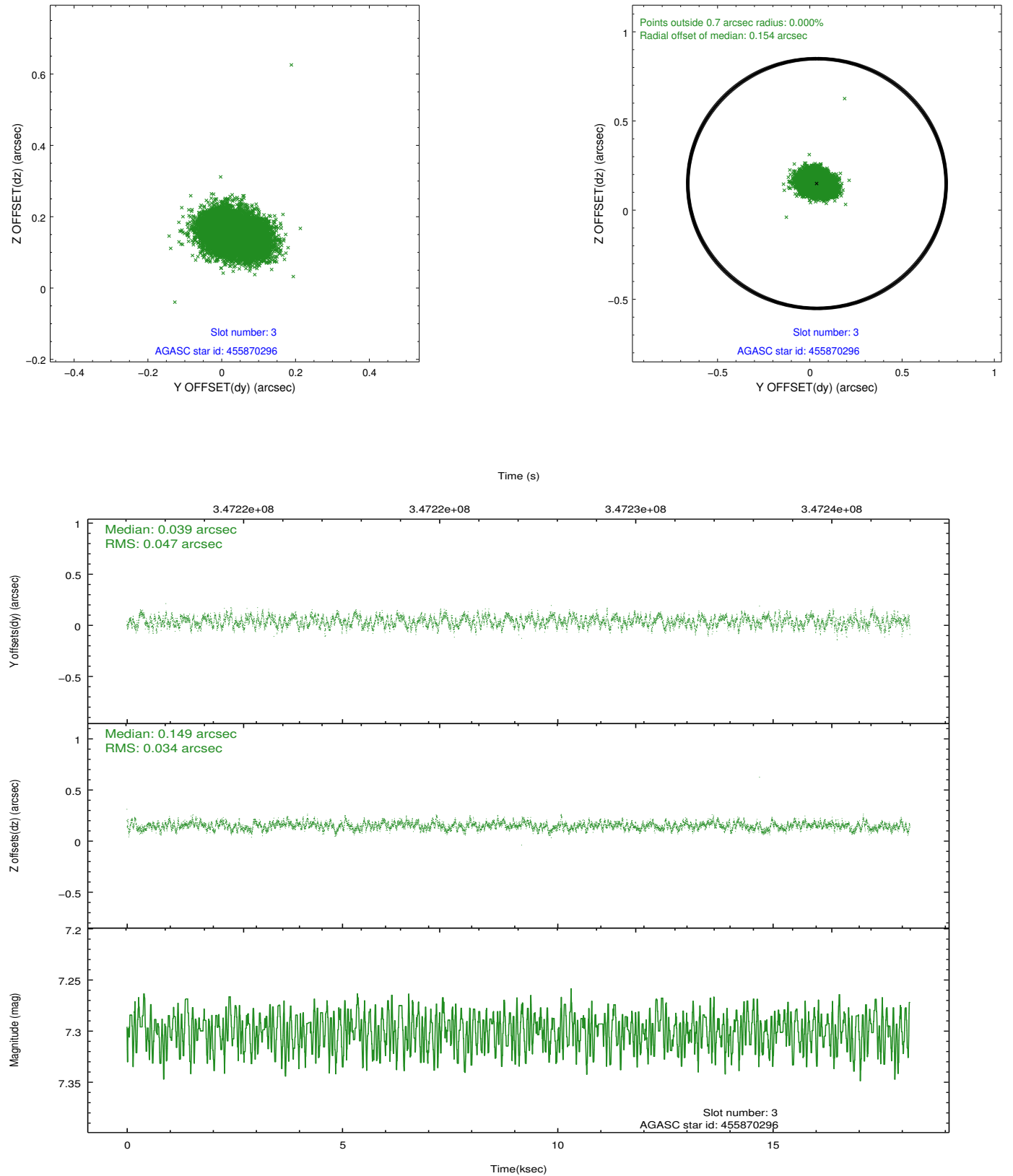


Slot Statistics

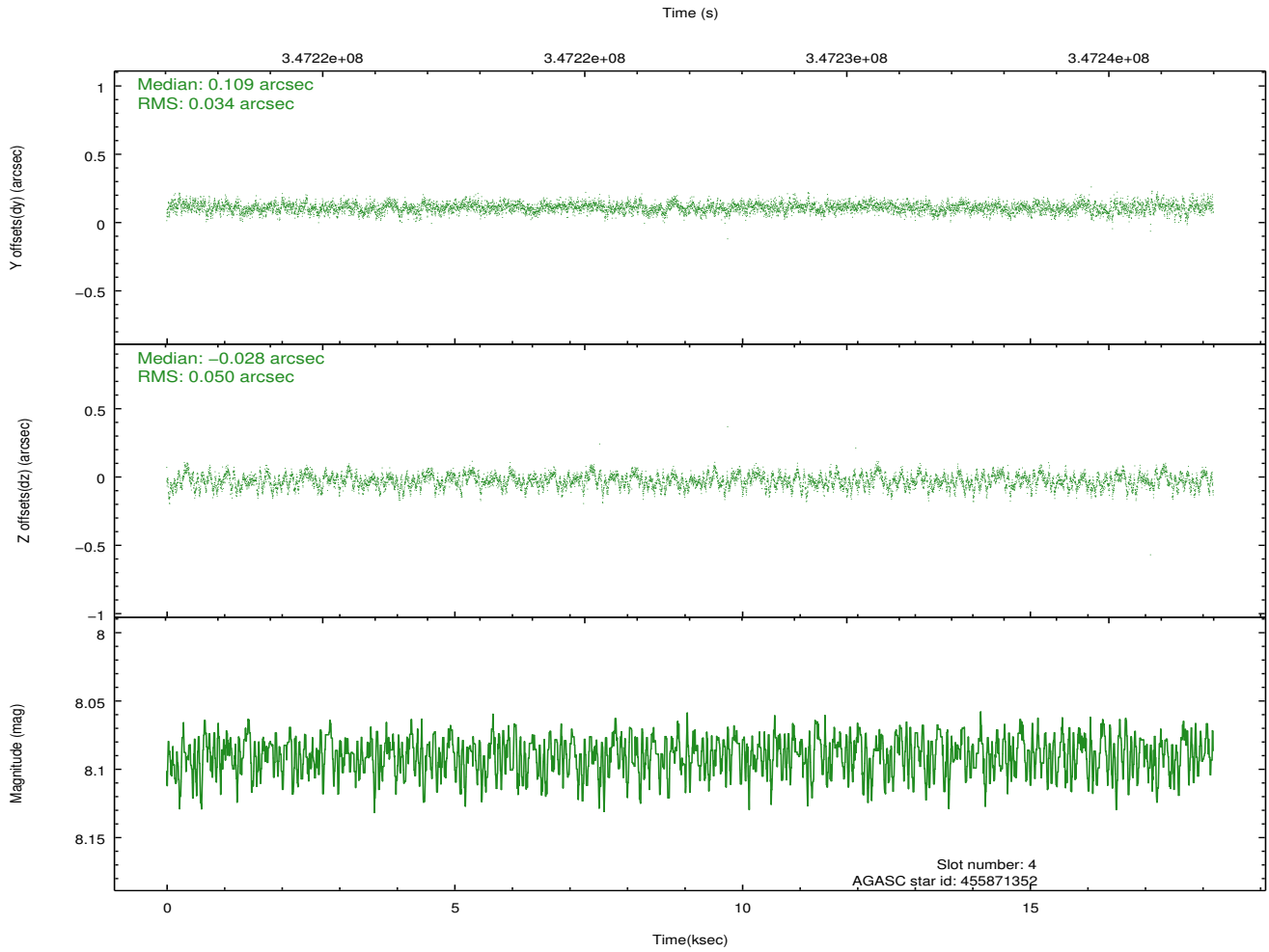
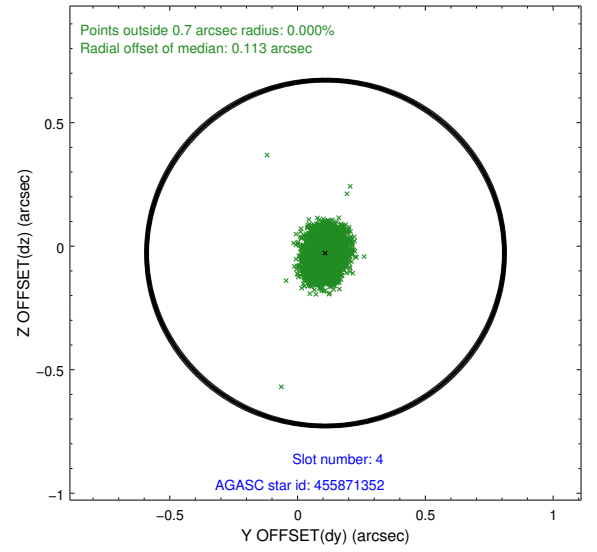
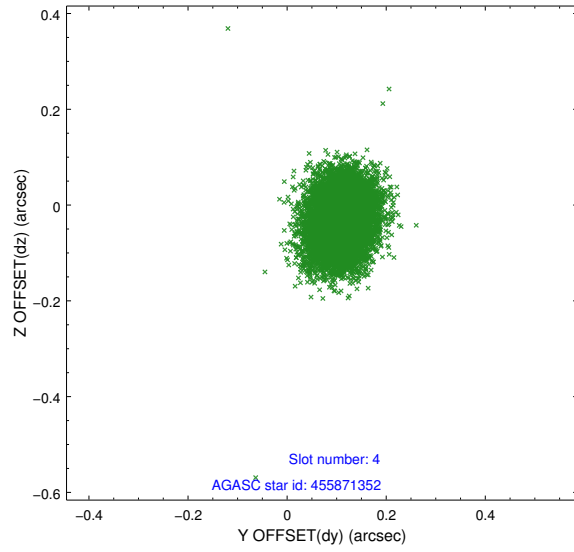
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.09	4435	-0.010	0.018	0.008	0.015	0.000000	0.000000	928.03	-837.47
1	FID	ACIS-I-4	7.03	4434	0.154	0.016	0.009	0.015	0.000000	0.000000	2148.36	1062.22
2	FID	ACIS-I-5	7.07	4435	-0.242	0.037	0.008	0.014	0.000000	0.000000	-1819.92	1060.35
3	GUIDE	455870296	7.30	8871	0.039	0.149	0.063	0.098	214.629779	52.033323	-1595.67	-1275.93
4	GUIDE	455871352	8.09	8865	0.109	-0.028	0.064	0.104	215.099961	52.172669	-606.02	-1870.41
5	GUIDE	505806936	7.00	8868	0.032	0.008	0.076	0.144	213.820815	52.535927	-1038.13	1201.00
6	GUIDE	505812376	7.52	8869	-0.221	0.056	0.048	0.079	214.039537	52.937930	438.16	1577.50
7	GUIDE	505812088	8.14	8865	0.033	-0.181	0.054	0.087	214.186617	53.263562	1597.05	1942.47

2.4 Star Slots

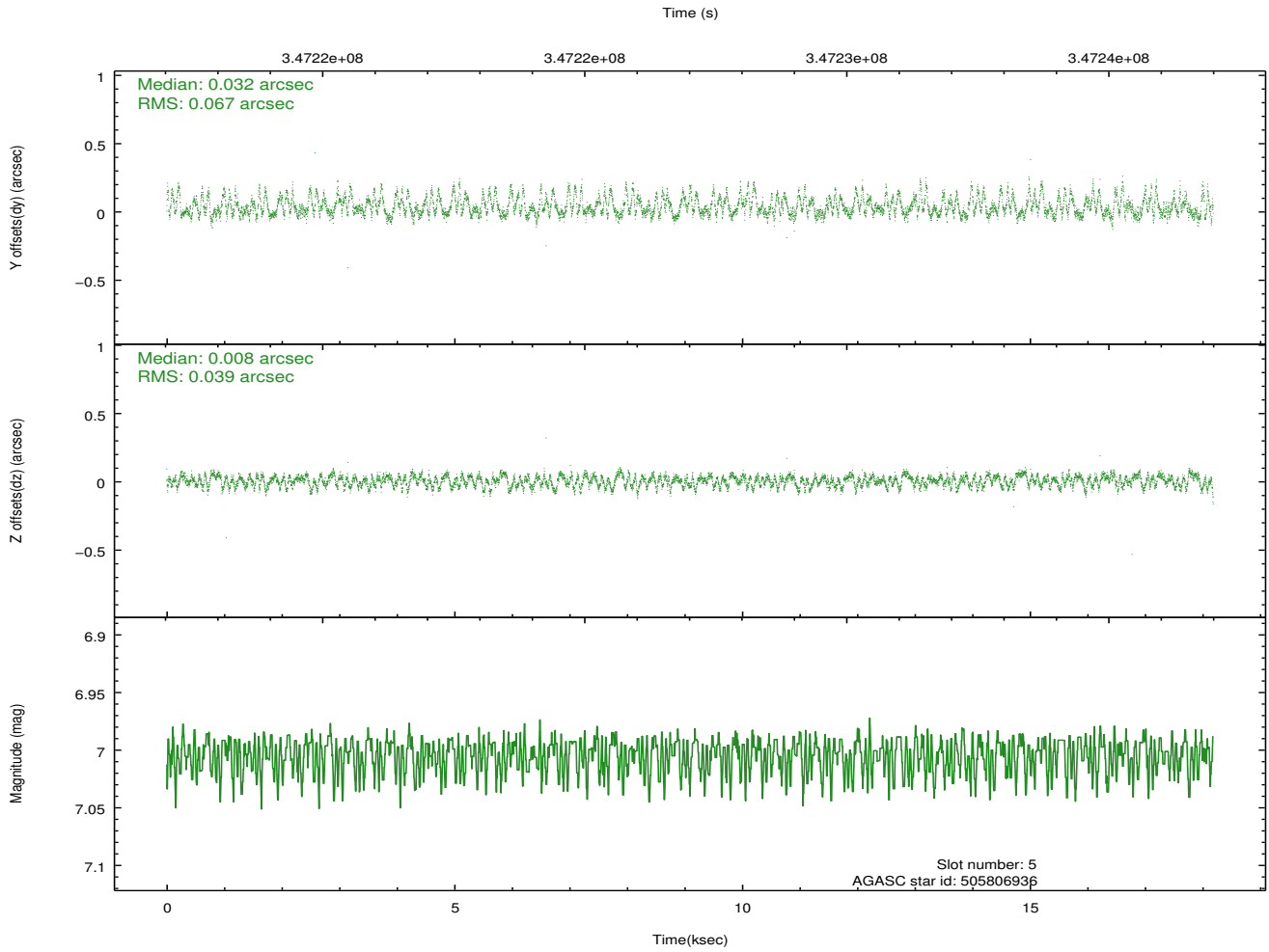
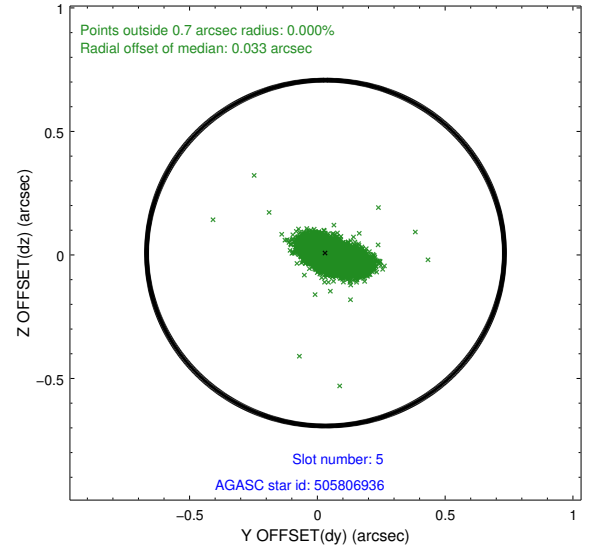
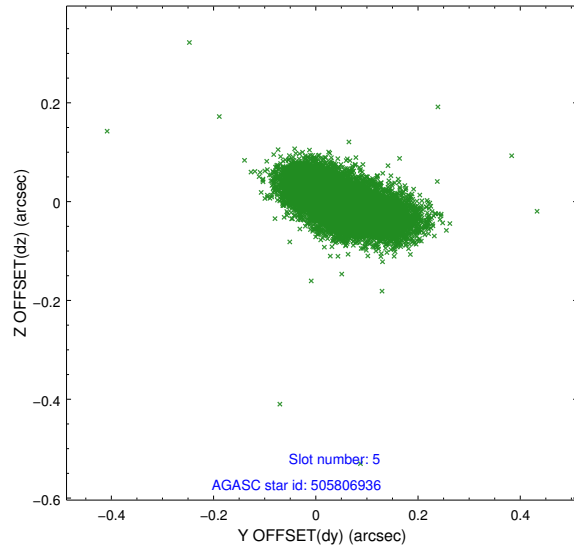
2.4.1 Slot 3



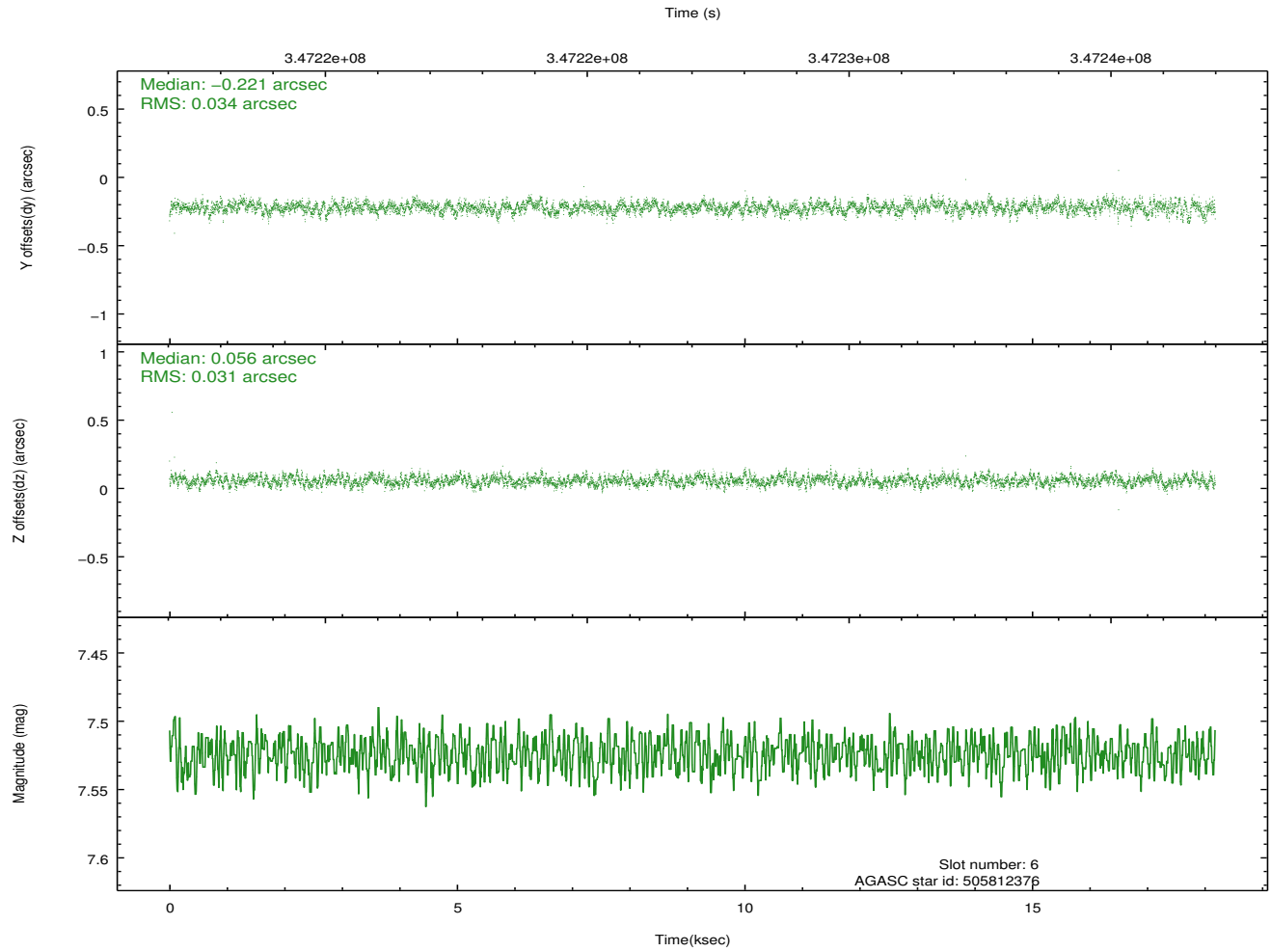
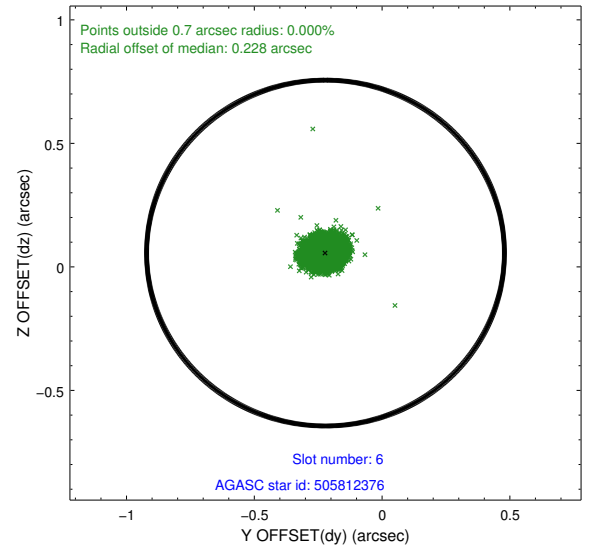
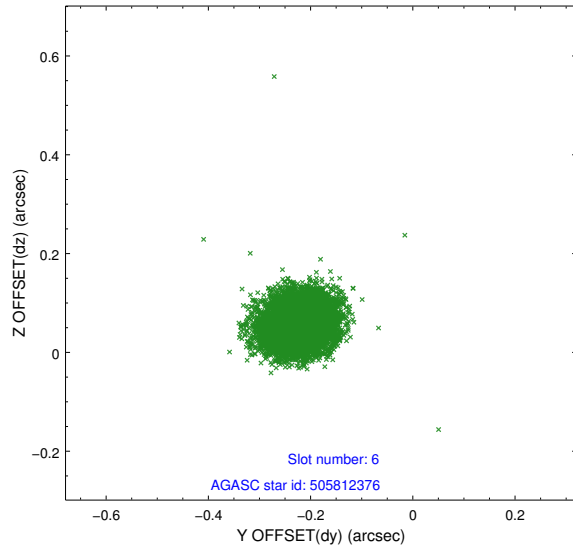
2.4.2 Slot 4



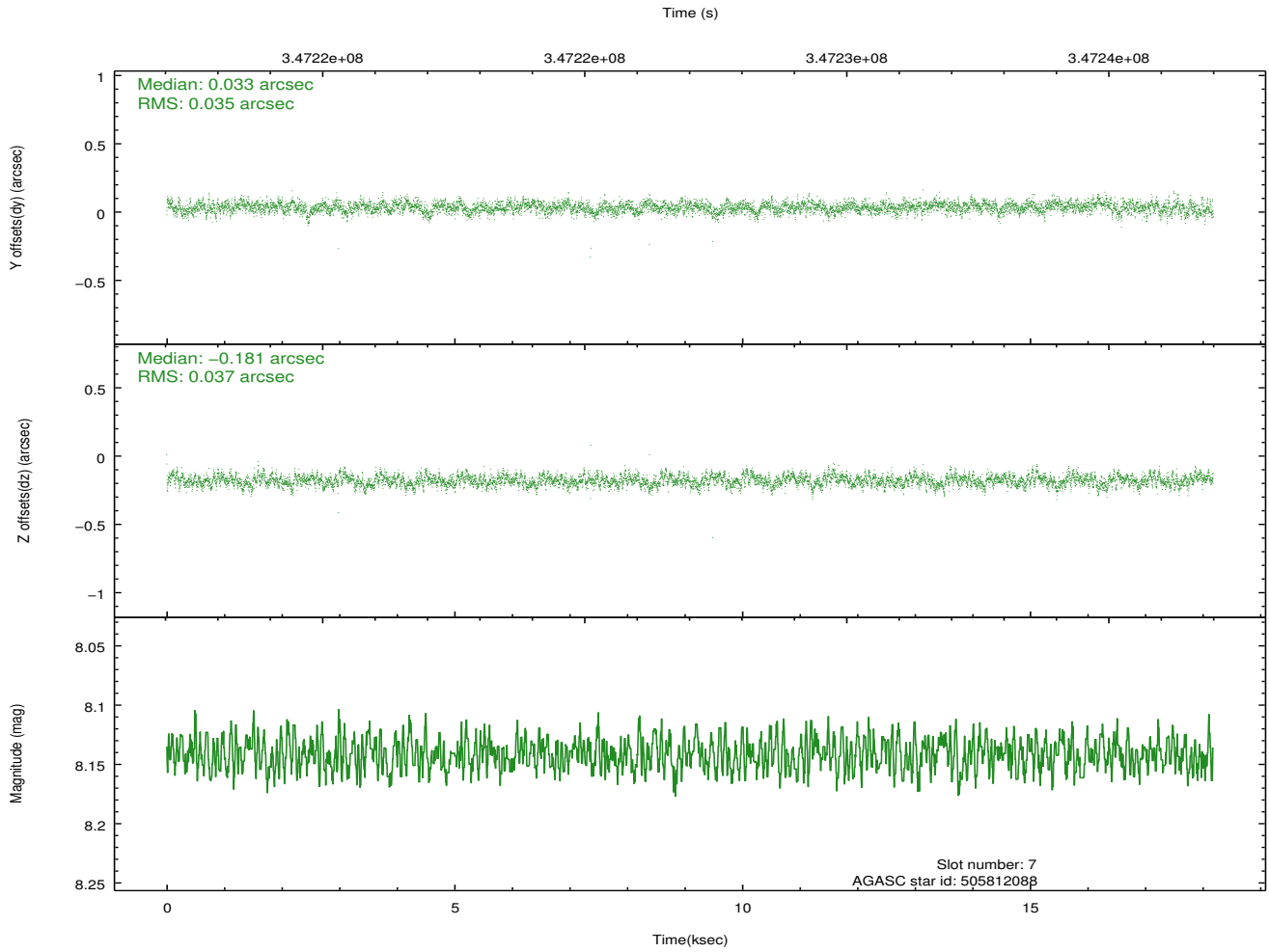
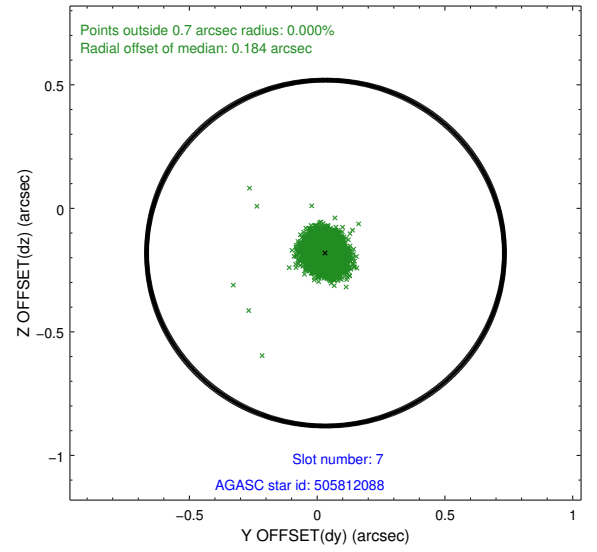
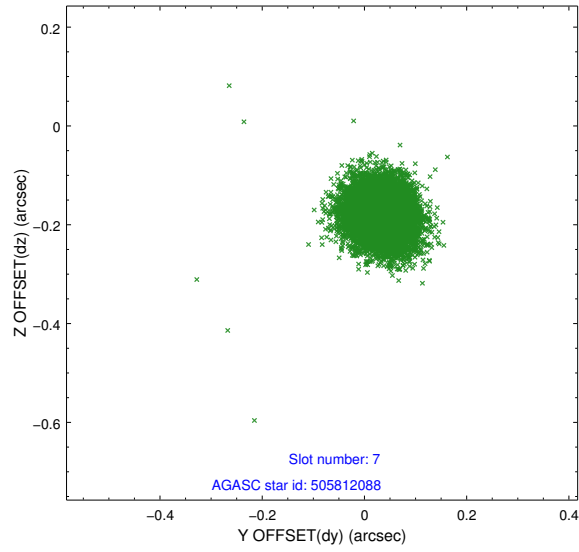
2.4.3 Slot 5



2.4.4 Slot 6

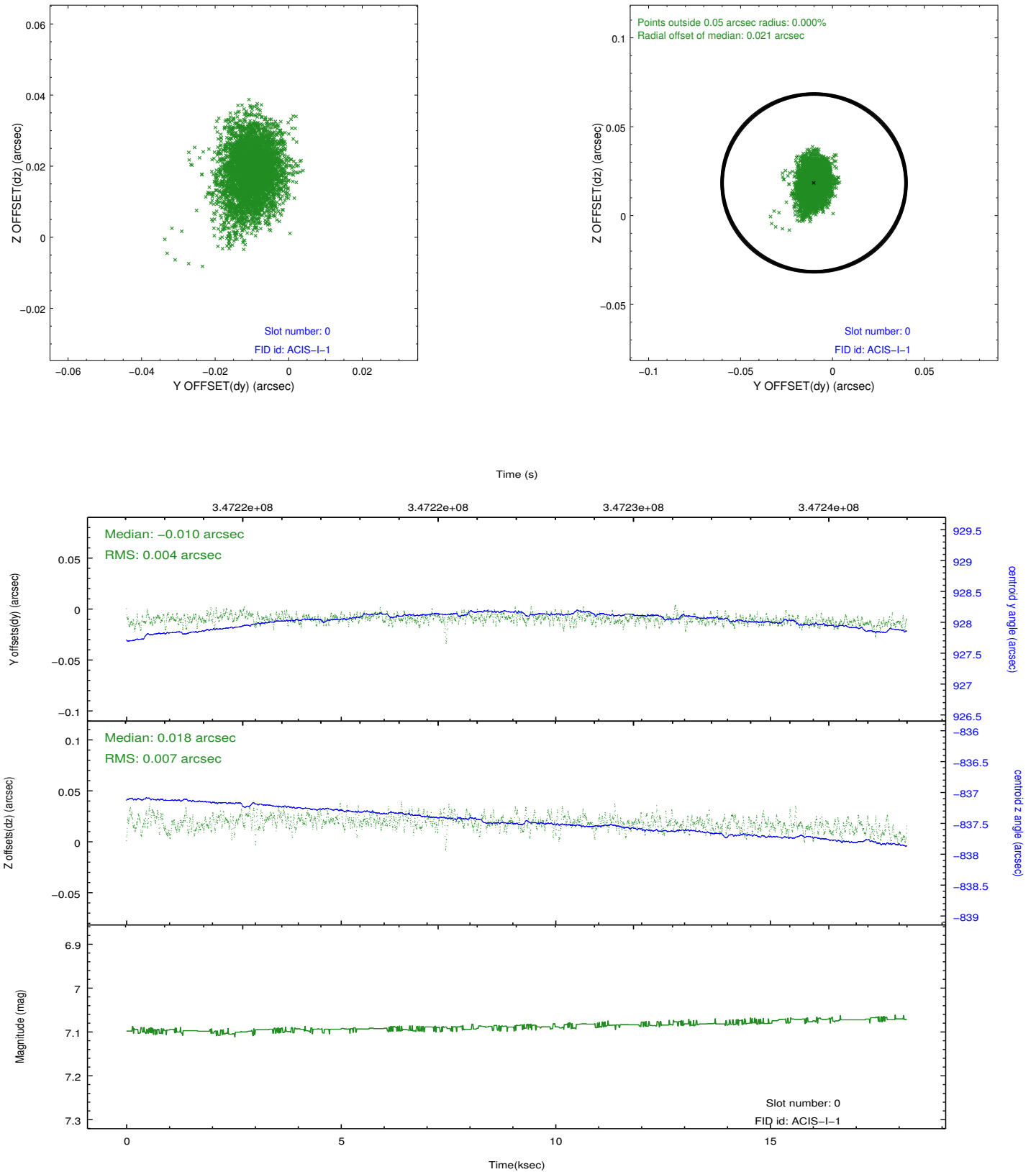


2.4.5 Slot 7

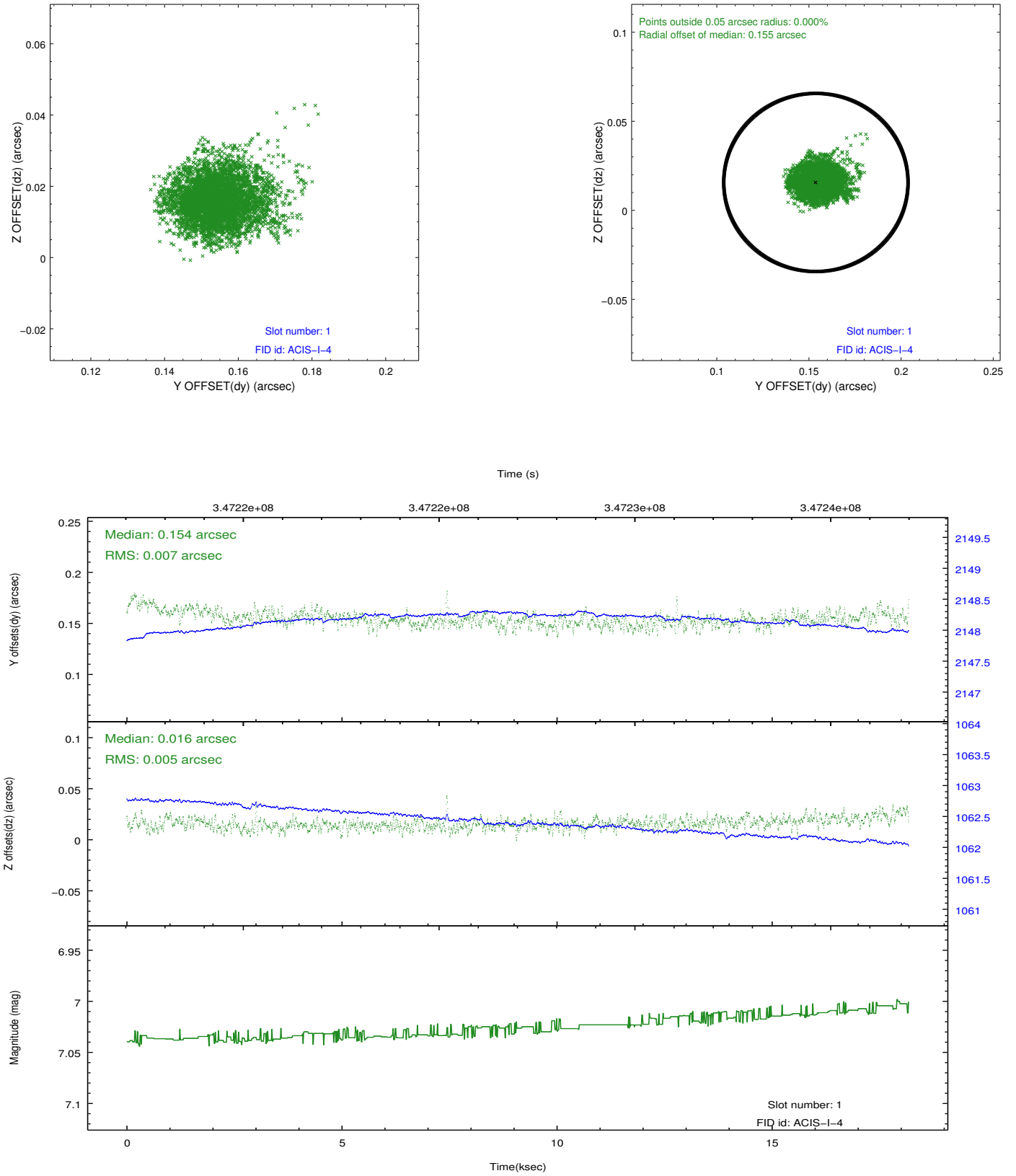


2.5 FID Slots

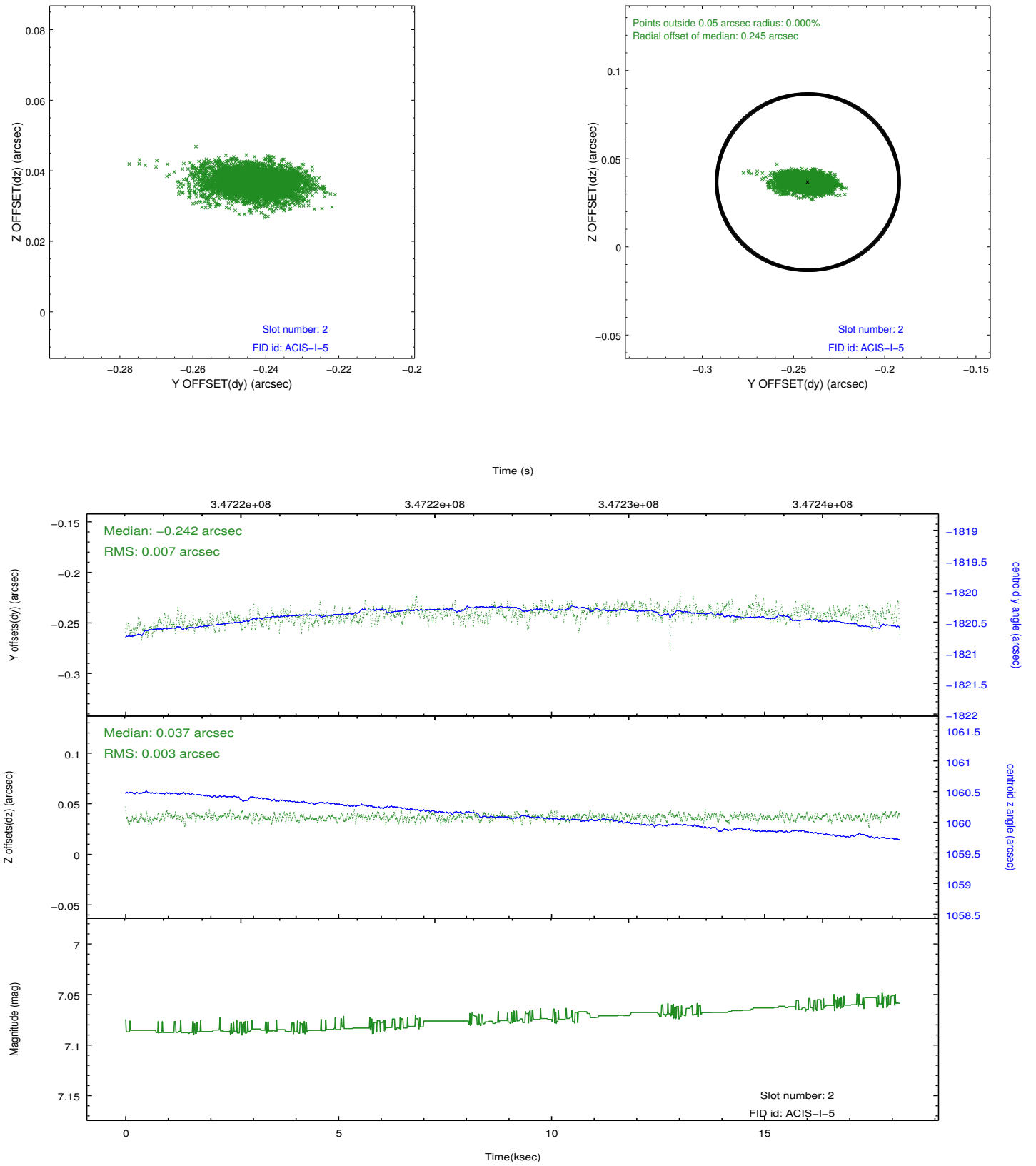
2.5.1 Slot 0



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)	2012.06.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	18.1442591

A.2 Comments

Joint Proposal: Spitzer. Roll constraint met.