

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 5182 - L2 Version 3
Chandra X-Ray Center

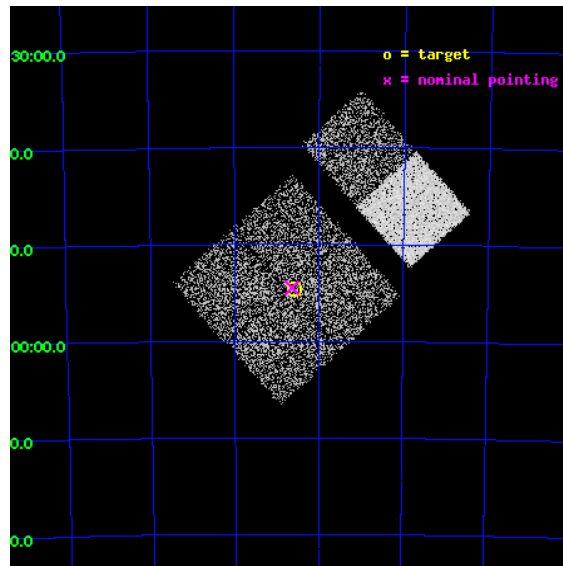
L2 Processing Date : Dec 2 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

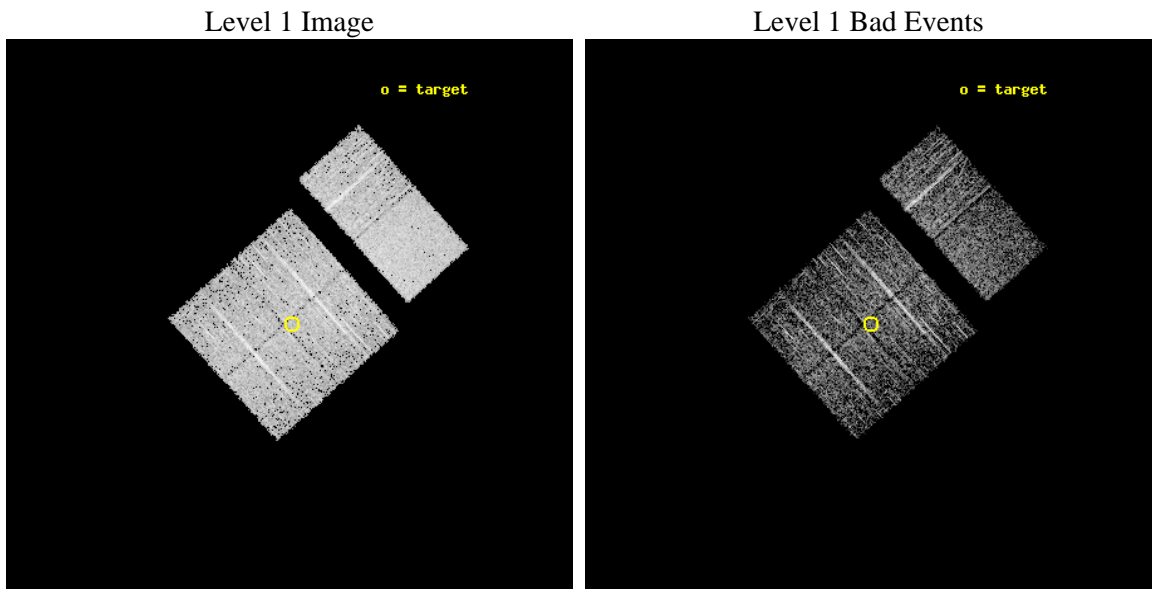
seq_num	200290	Sequence number
obs_id	5182	Observation id
title	Alternate - Search for beta Pic analogs extension	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	eps Pav	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	300.1475	Observer's specified target RA [deg]
dec_targ	-72.910278	Observer's specified target Dec [deg]
ra_nom	300.16126308855	Nominal RA [deg]
dec_nom	-72.908216926034	Nominal Dec [deg]
roll_nom	48.058059919219	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2991.9999888539	Sum of GTIs [s]
livetime	2954.113483429	Livetime [s]
ontime0	2991.9999888539	Sum of GTIs [s]
ontime1	2991.9999888539	Sum of GTIs [s]
ontime2	2991.9999888539	Sum of GTIs [s]
ontime3	2991.9999888539	Sum of GTIs [s]
ontime6	2991.9999888539	Sum of GTIs [s]
ontime7	2991.9999888539	Sum of GTIs [s]
l2events	22592	Number of level 2 events



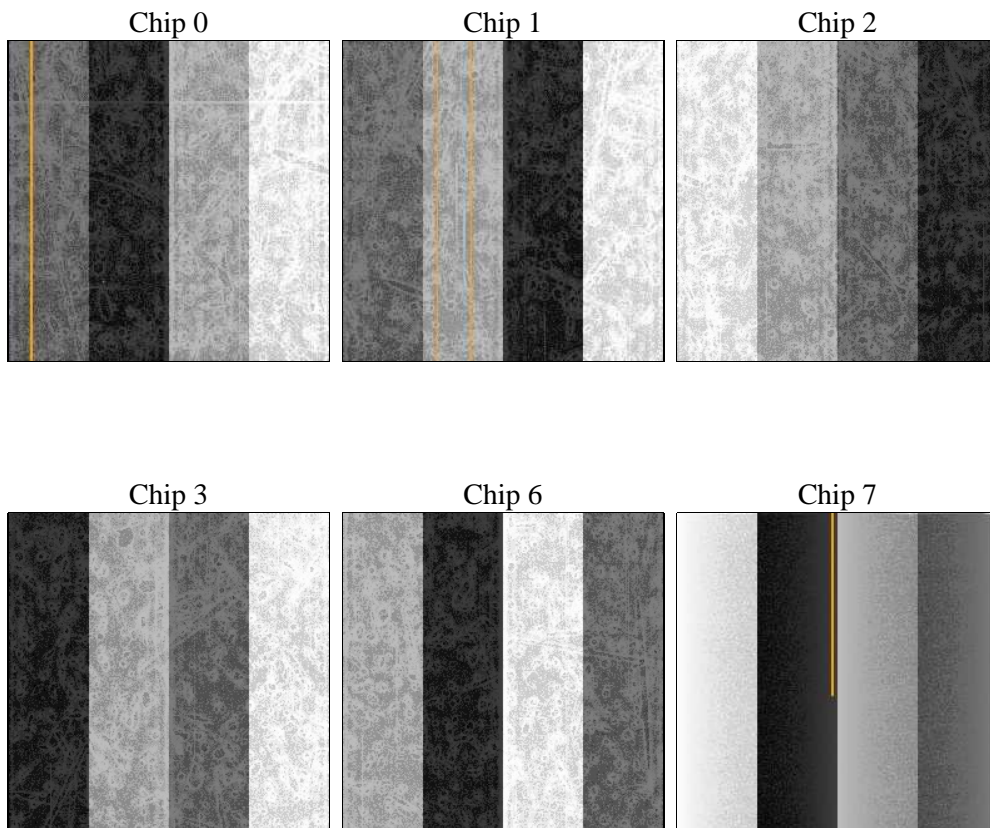
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2991.9999888539	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	2991.9999888539	Sum of GTIs [s]
date	2012-12-02T23:50:58	Date and time of file creation	ontime1	2991.9999888539	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	2991.9999888539	Sum of GTIs [s]
			ontime3	2991.9999888539	Sum of GTIs [s]
			ontime6	2991.9999888539	Sum of GTIs [s]
			ontime7	2991.9999888539	Sum of GTIs [s]
			l1events	134838	Number of level 1 events

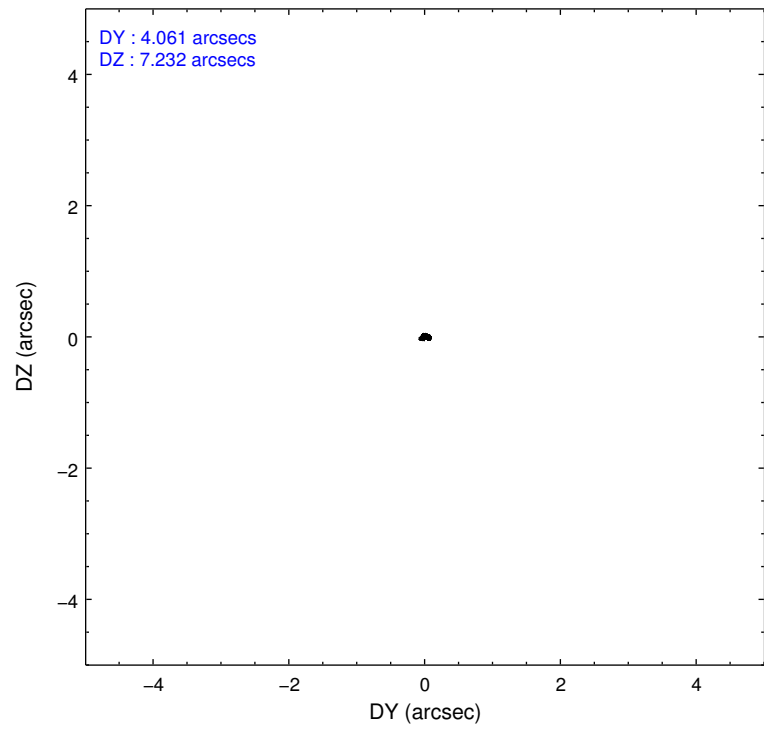
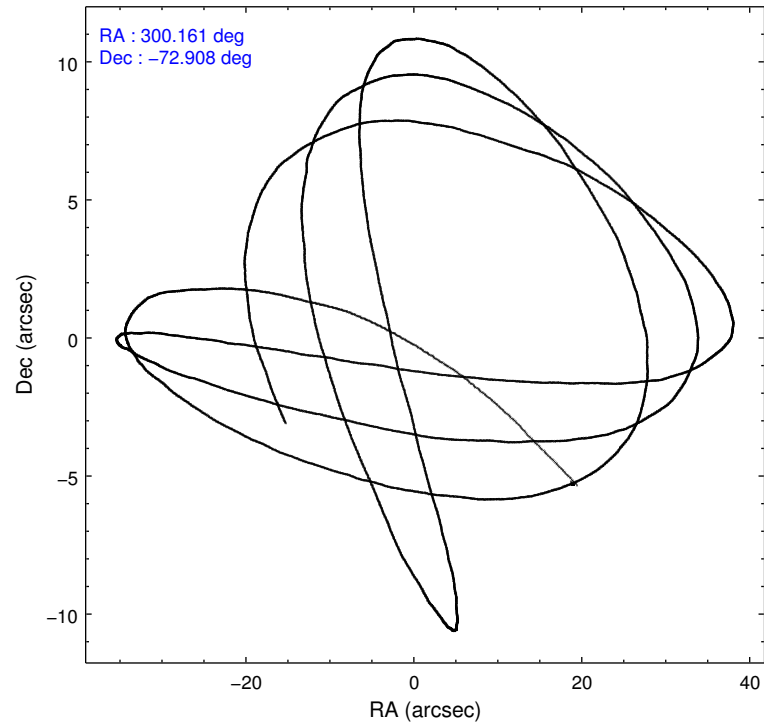
2.1.4 Events

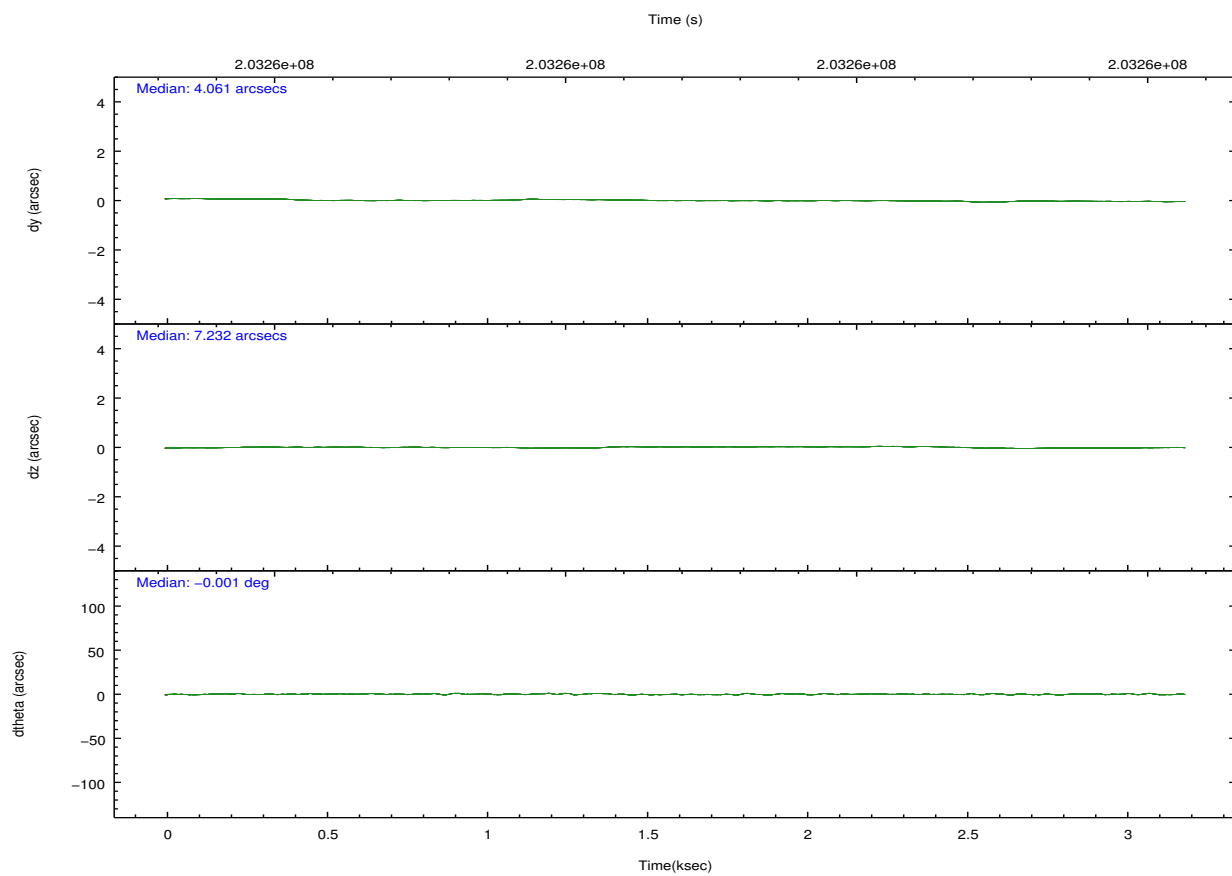
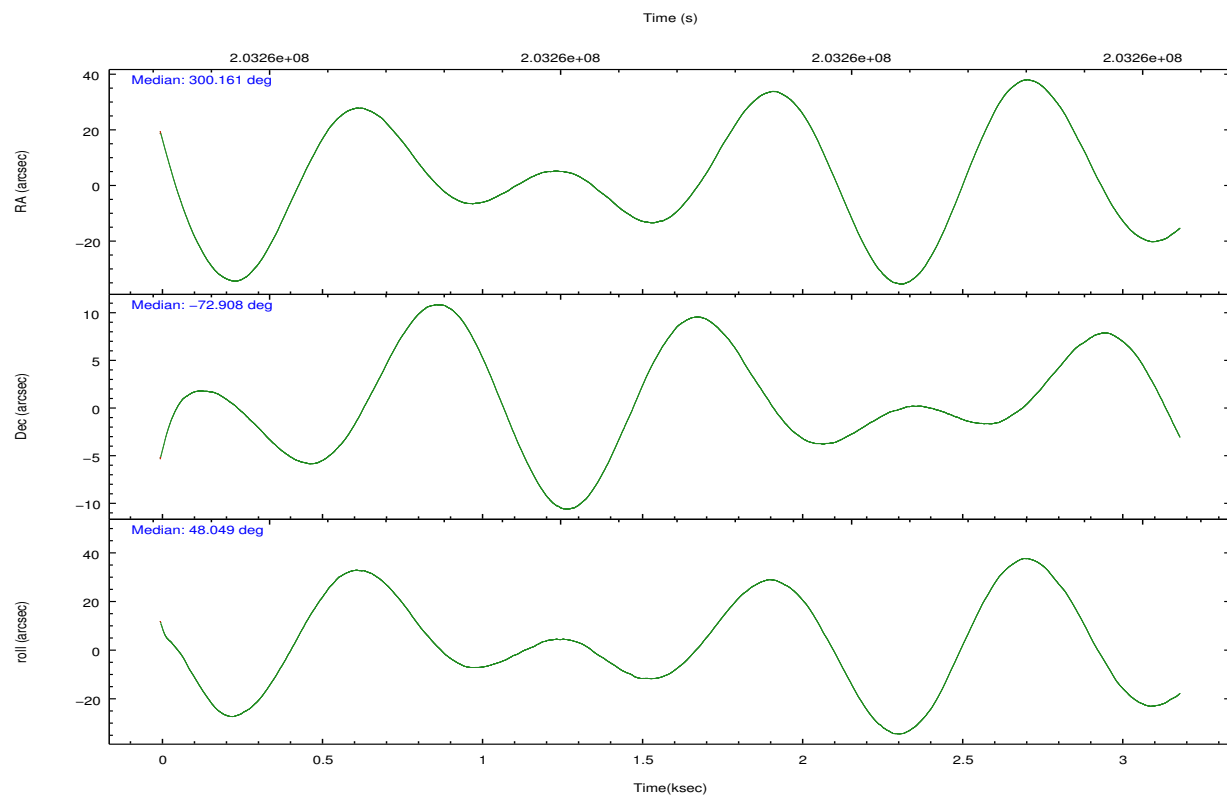
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	19795	19775	21507	21430	23294	29037	grade 0 events	1135	1132	1035	1086	1059	1011
rejected events	17114	17043	19108	18961	20719	17216		5%	5%	4%	5%	4%	3%
rejected %	86%	86%	88%	88%	88%	59%	grade 1 events	13	10	10	12	15	32
								0%	0%	0%	0%	0%	0%
							grade 2 events	562	552	501	480	566	2399
								2%	2%	2%	2%	2%	8%
							grade 3 events	281	268	257	256	245	1046
								1%	1%	1%	1%	1%	3%
							grade 4 events	260	225	240	231	231	1091
								1%	1%	1%	1%	0%	3%
							grade 5 events	890	920	850	978	994	2744
								4%	4%	3%	4%	4%	9%
							grade 6 events	445	557	368	418	479	6280
								2%	2%	1%	1%	2%	21%
							grade 7 events	16209	16111	18246	17969	19705	14434
								81%	81%	84%	83%	84%	49%

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	300.142862	300.1612630885487	Subarray requested	NONE	NONE
[deg] Pointing Dec	-72.935120	-72.90821692603384	Alternating exposures requested	N	N
[deg] Pointing Roll	47.831811	48.05805991921918	[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)	203260963.184000	203259985.18569			
Observation start date	2004-06-10T13:21:39	2004-06-10T13:06:25			
[s] Observation end time (MET)	203263963.184000	203264674.5609			
Observation end date	2004-06-10T14:11:39	2004-06-10T14:24:34			
Read mode	TIMED	TIMED			

2.3 Aspect



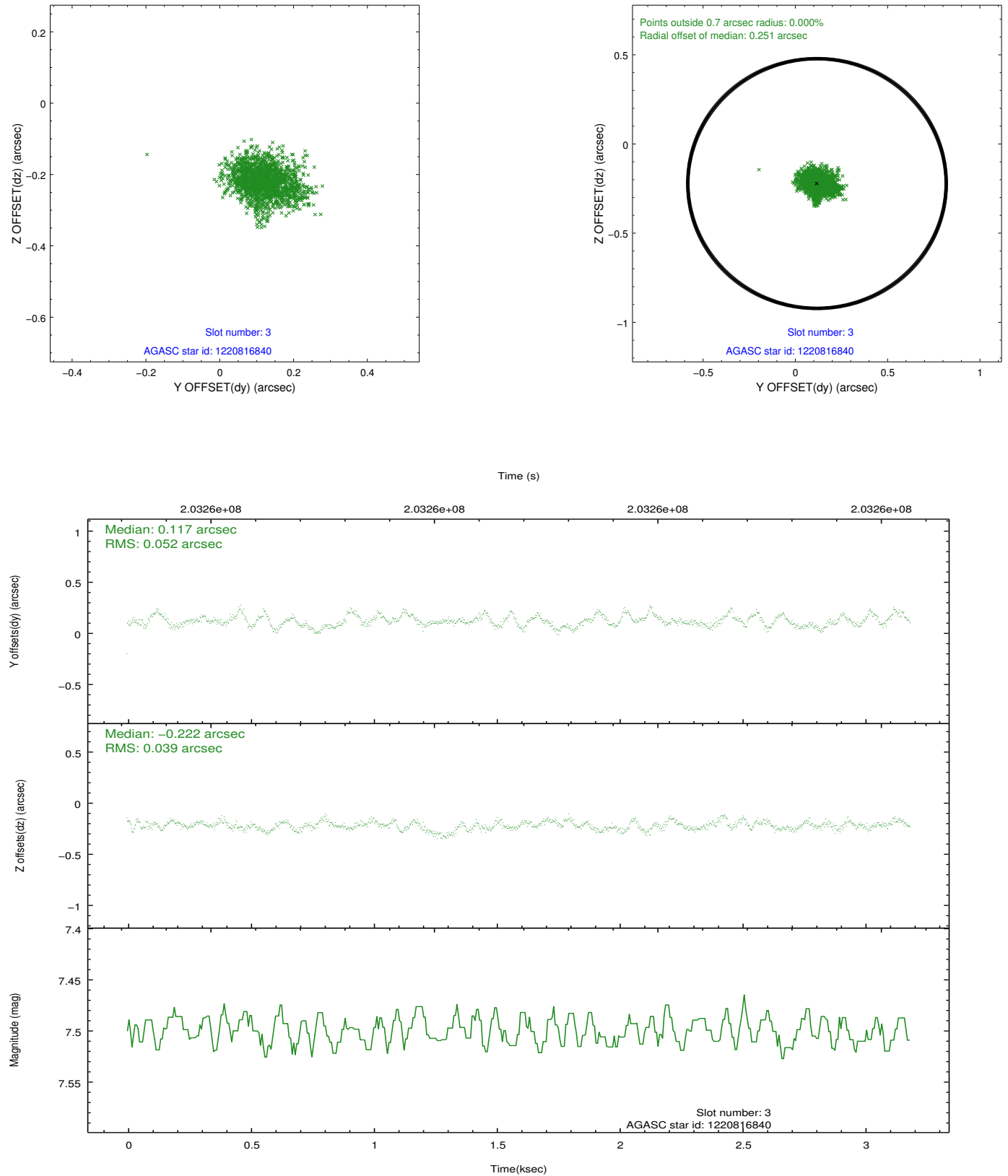


Slot Statistics

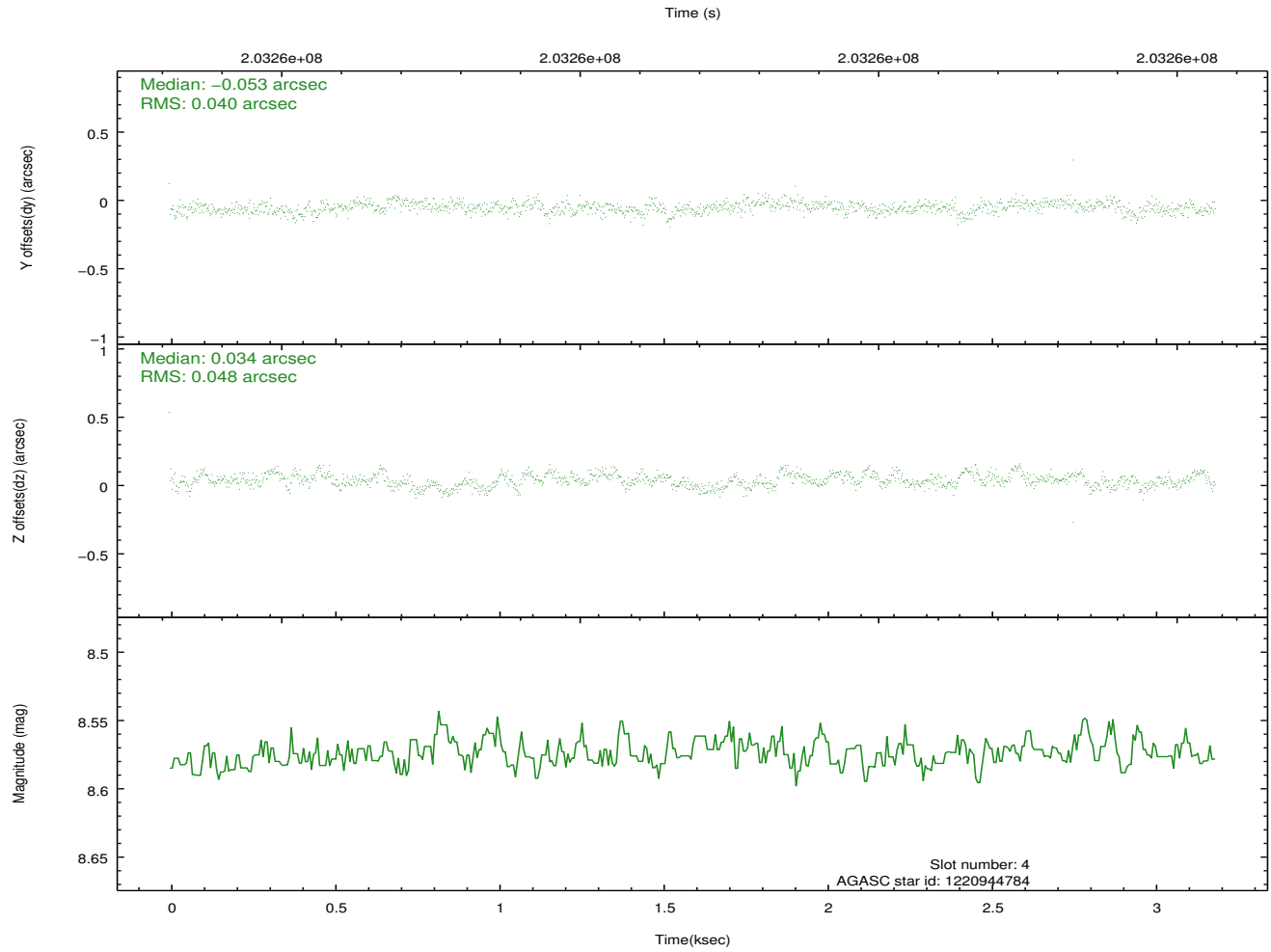
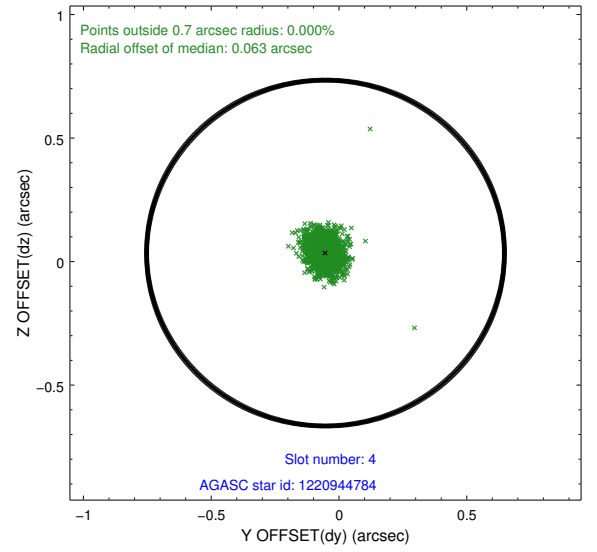
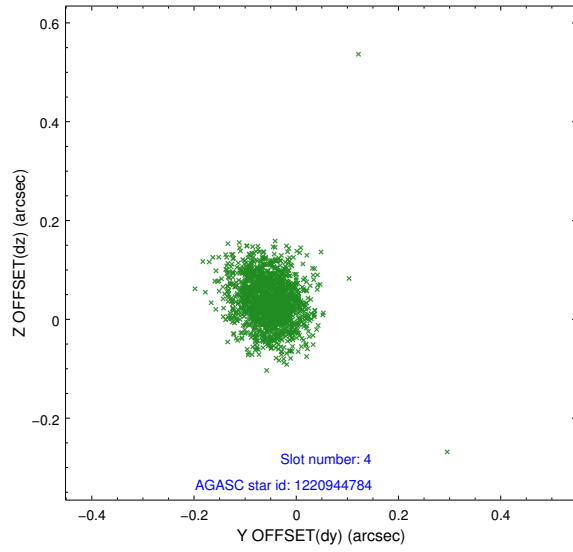
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	778	0.056	-0.018	0.006	0.010	0.000000	0.000000	935.74	-830.67
1	FID	ACIS-I-5	7.23	777	-0.167	0.074	0.006	0.010	0.000000	0.000000	-1811.44	1065.97
2	FID	ACIS-I-6	7.25	777	0.020	0.015	0.007	0.012	0.000000	0.000000	399.13	1712.64
3	GUIDE	1220816840	7.50	1555	0.117	-0.222	0.070	0.113	297.809006	-72.795185	-1330.29	2145.99
4	GUIDE	1220944784	8.57	1555	-0.053	0.034	0.065	0.106	302.438929	-72.762609	2069.23	-1428.56
5	GUIDE	1221463712	9.57	1555	-0.055	0.097	0.102	0.169	302.388651	-73.130354	1023.20	-2241.27
6	GUIDE	1220937768	9.43	1555	0.083	-0.005	0.082	0.136	300.365973	-72.098385	2398.96	1837.16
7	GUIDE	1220940928	9.75	1551	-0.093	0.091	0.112	0.175	302.072335	-72.559480	2376.83	-656.43

2.4 Star Slots

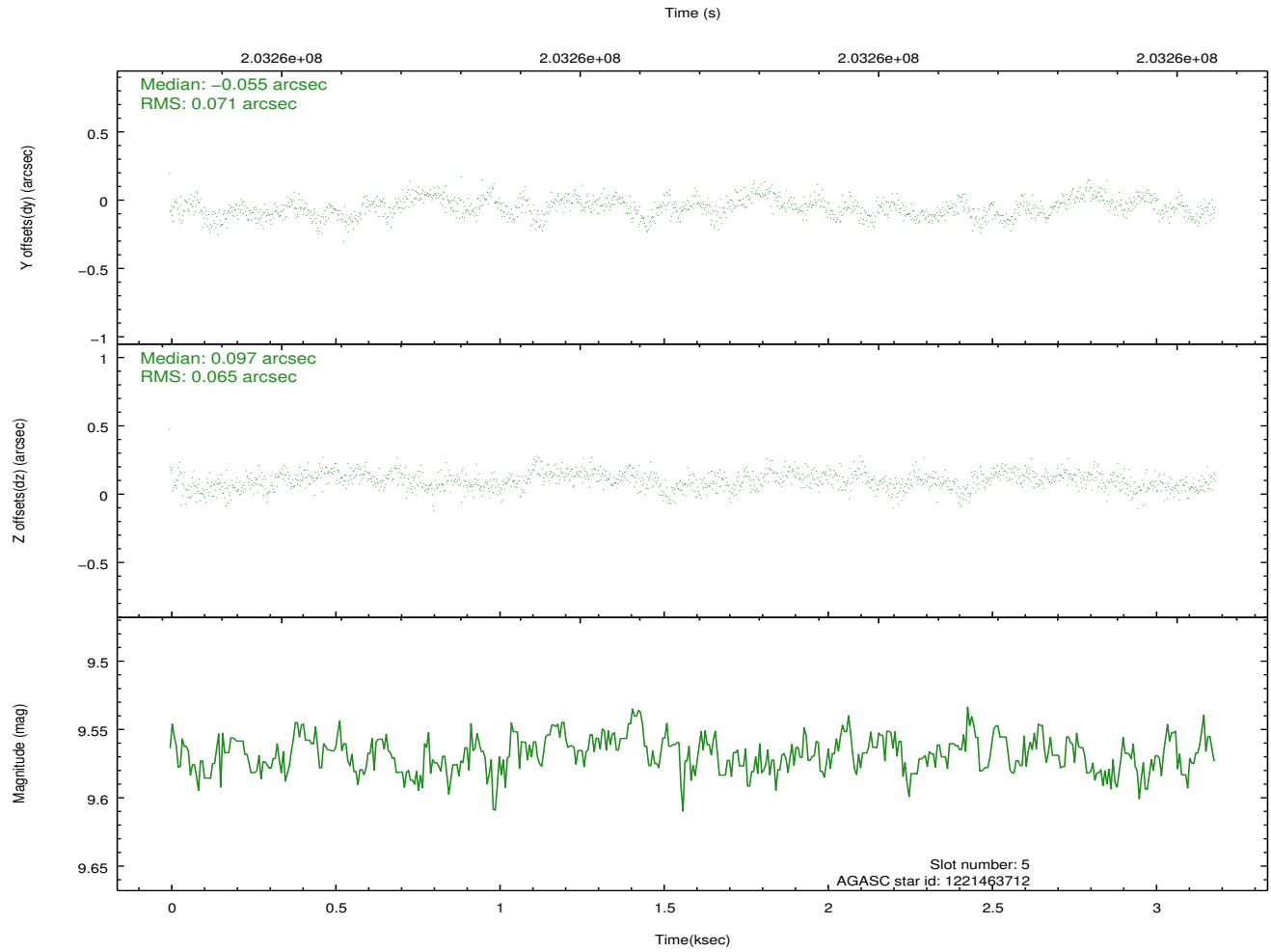
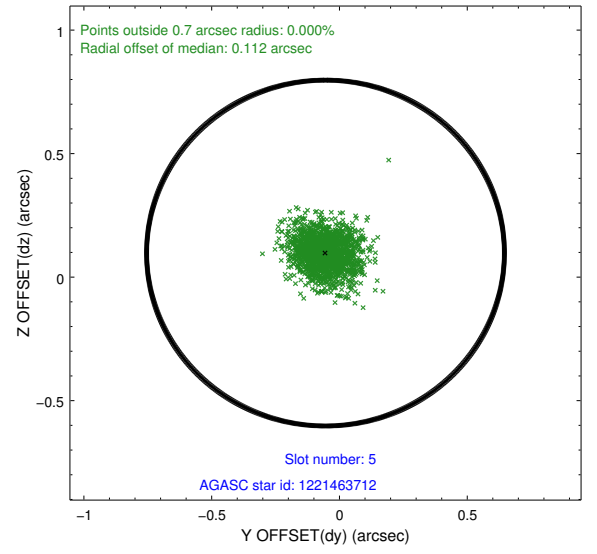
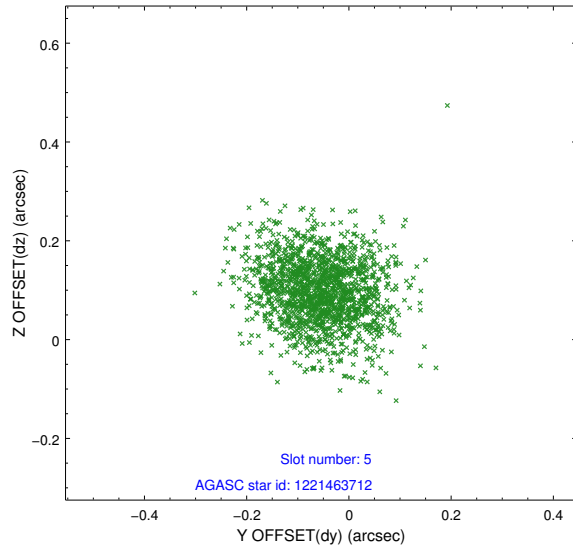
2.4.1 Slot 3



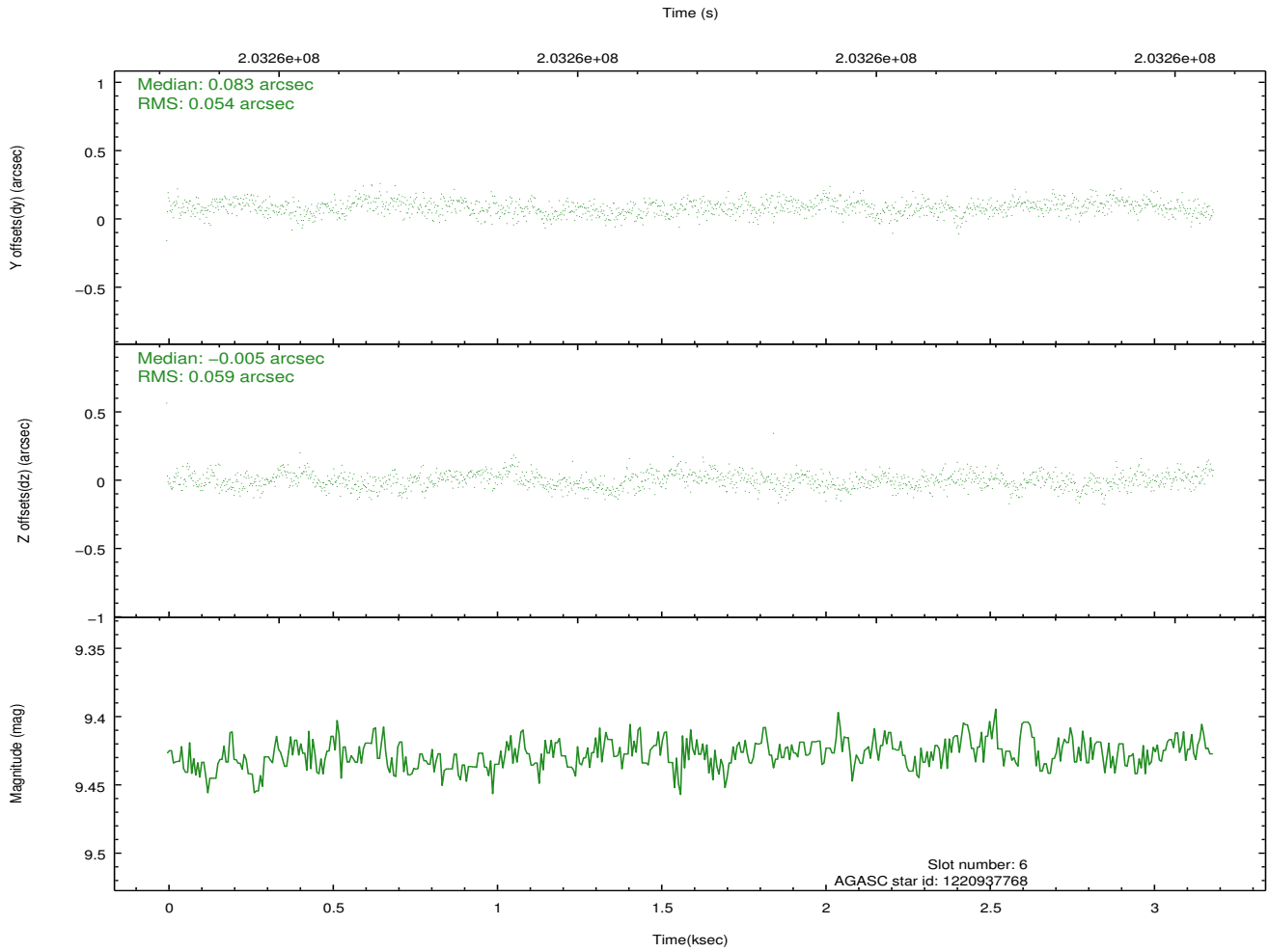
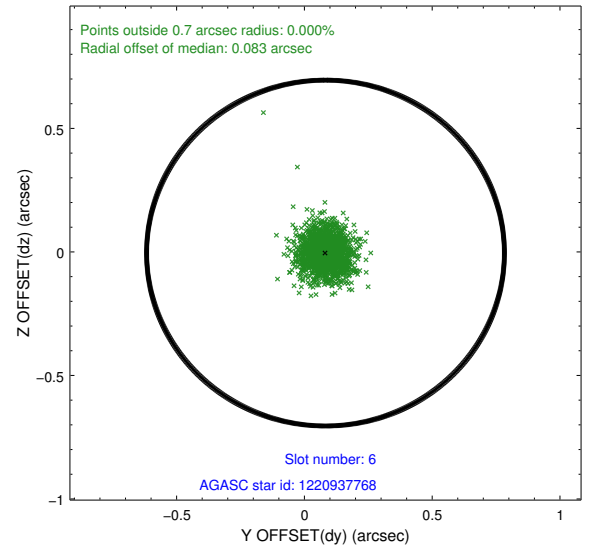
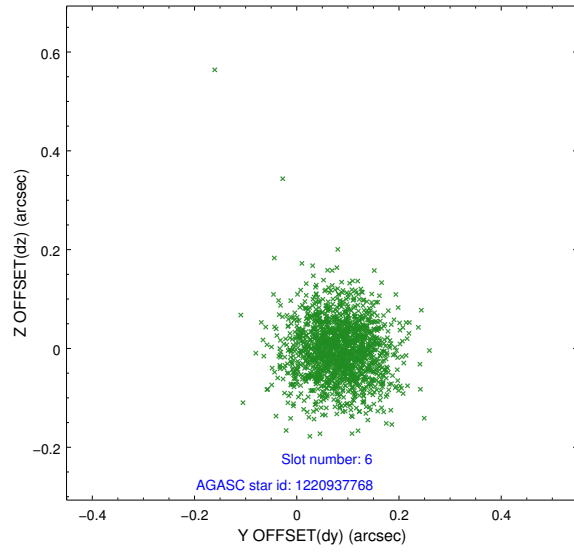
2.4.2 Slot 4



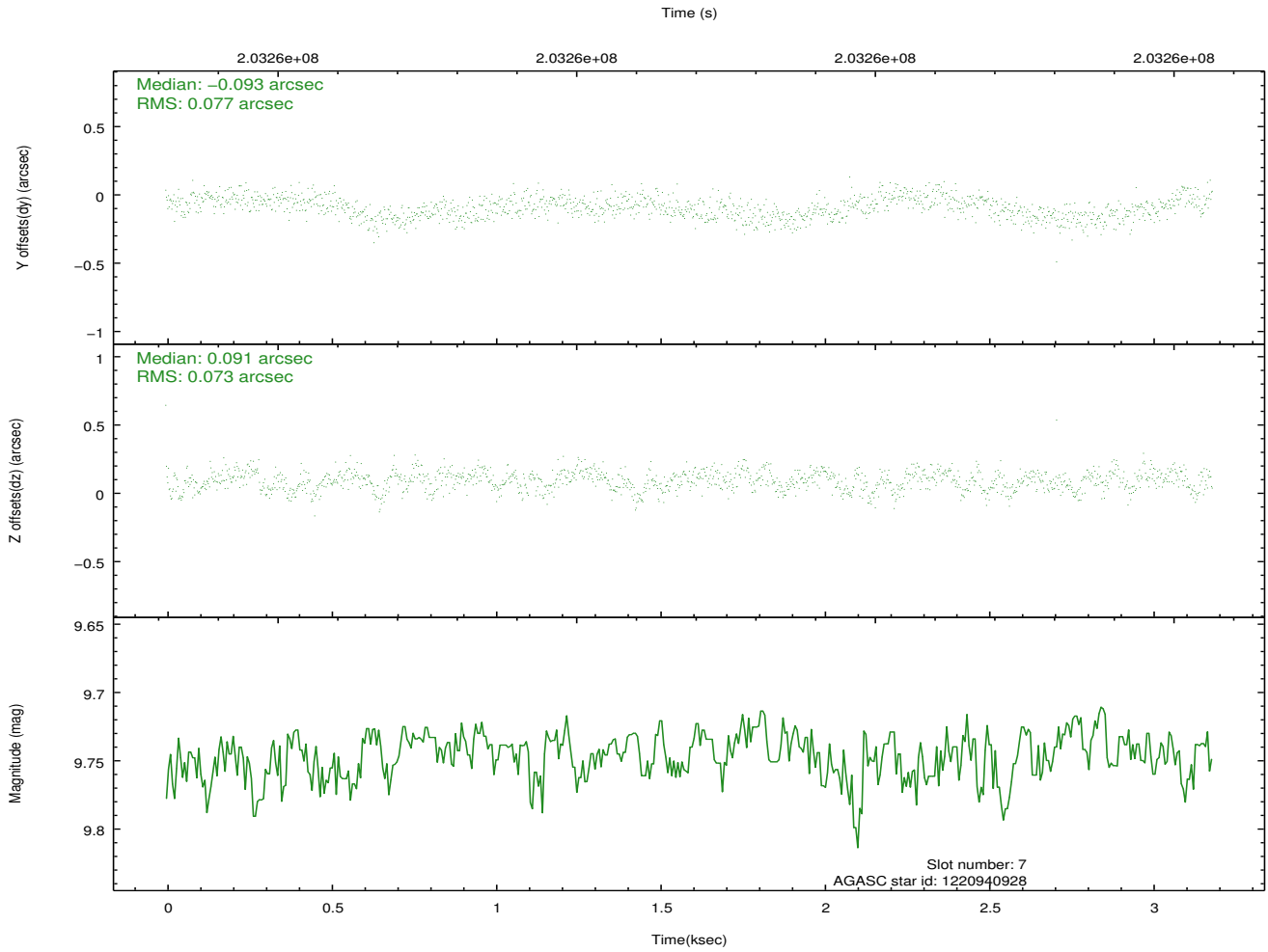
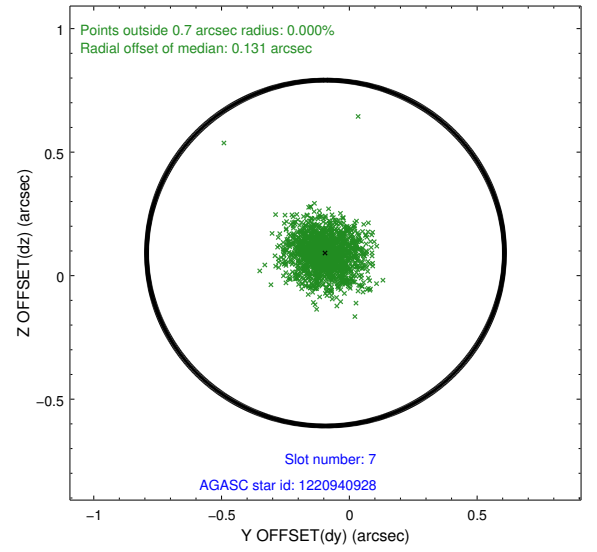
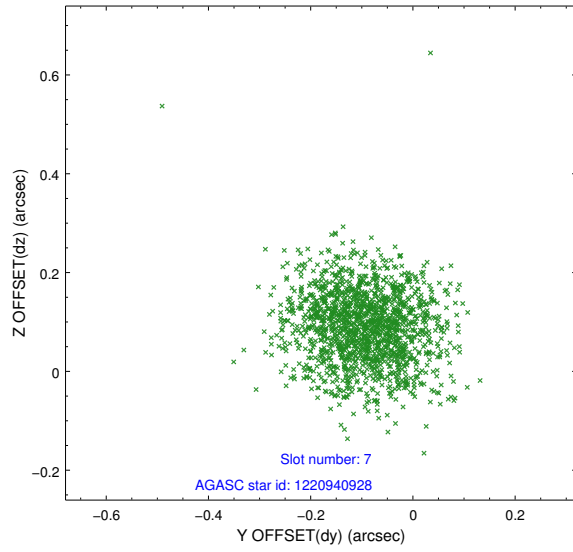
2.4.3 Slot 5



2.4.4 Slot 6

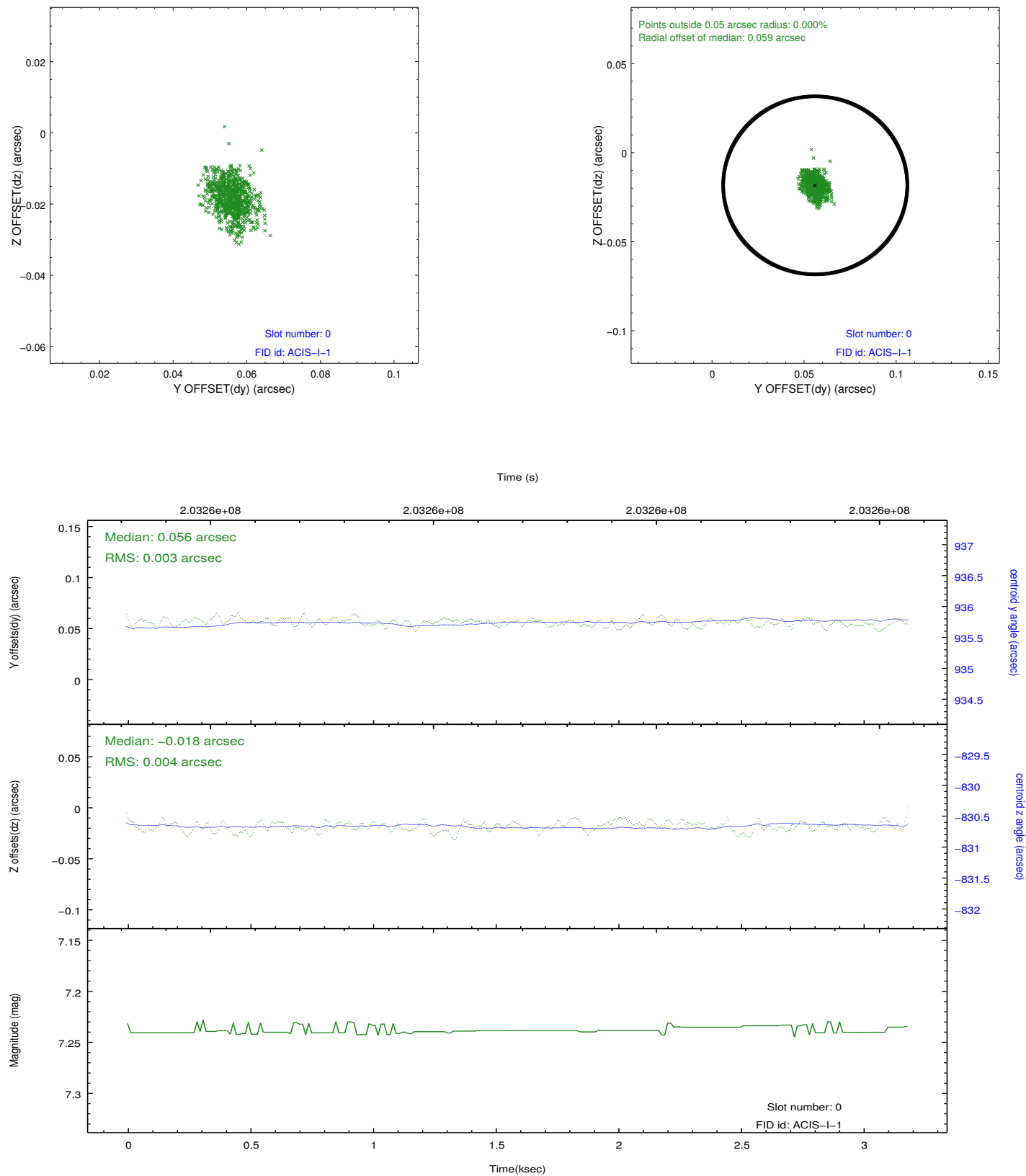


2.4.5 Slot 7

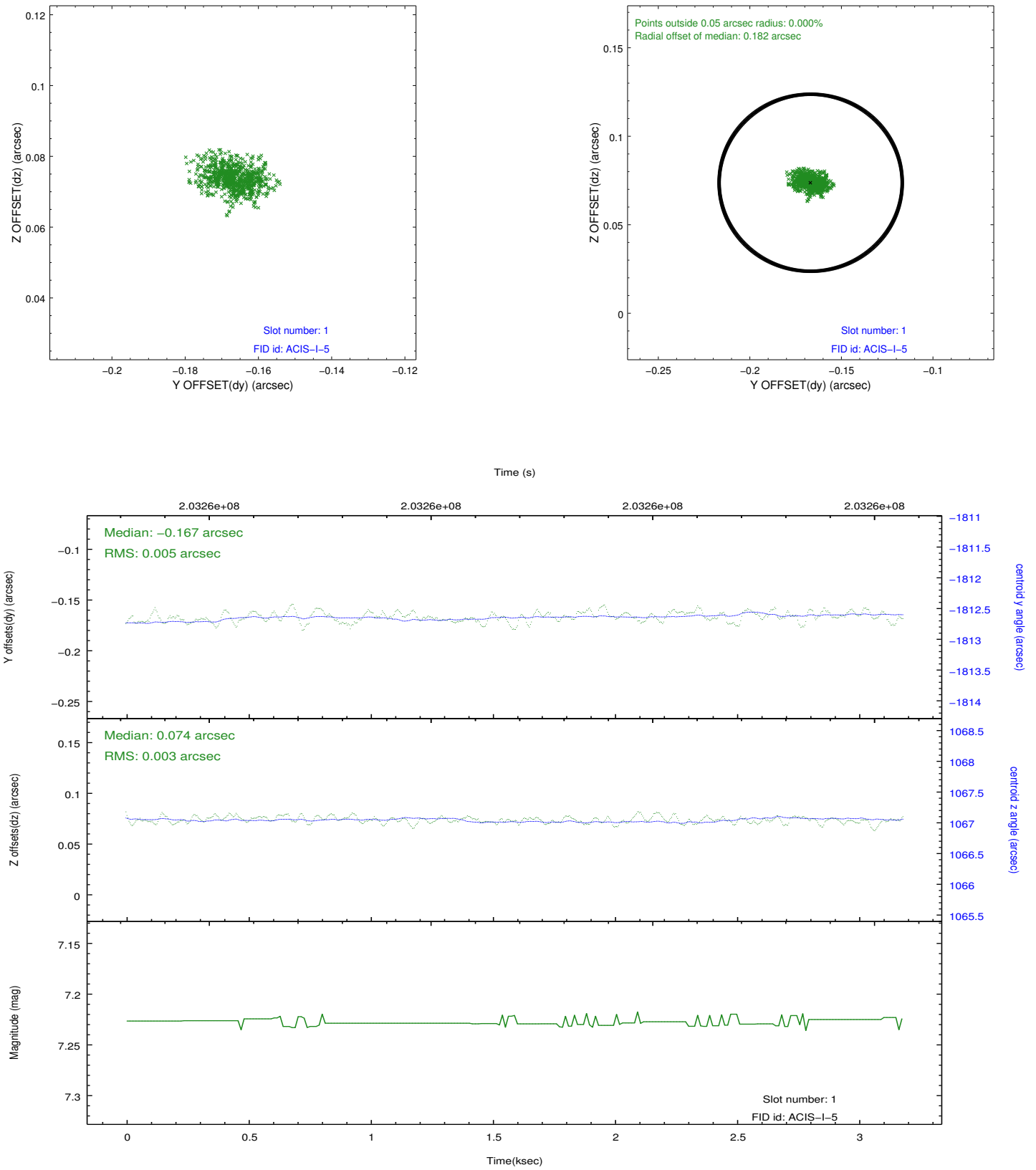


2.5 FID Slots

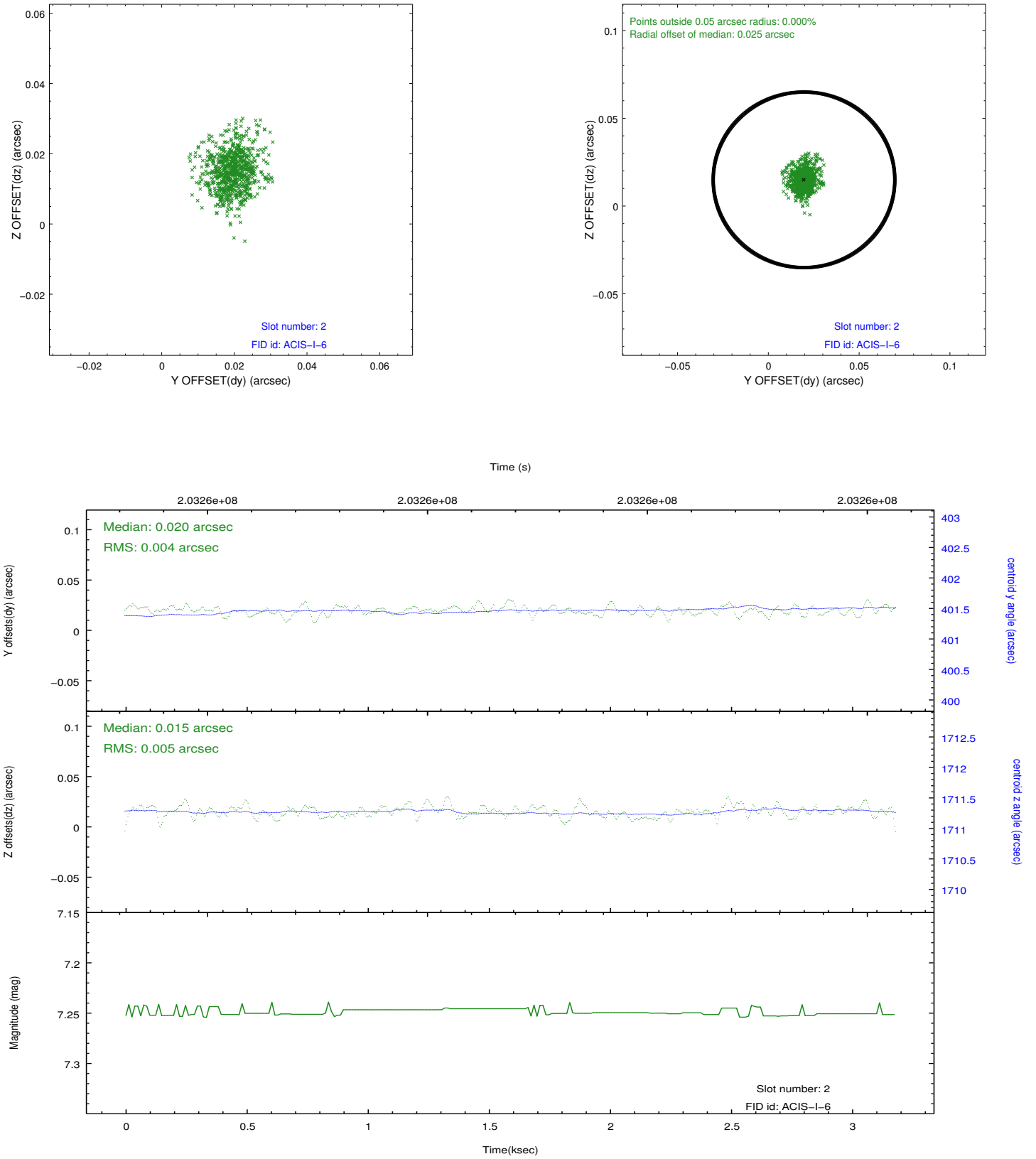
2.5.1 Slot 0



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)	2012.12.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.995

A.2 Comments