

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 17463 - L2 Version 1
Chandra X-Ray Center

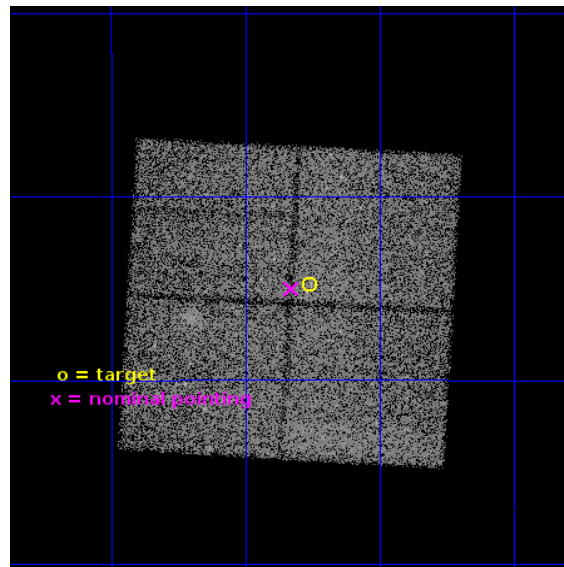
L2 Processing Date : Nov 11 2015

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1 Front

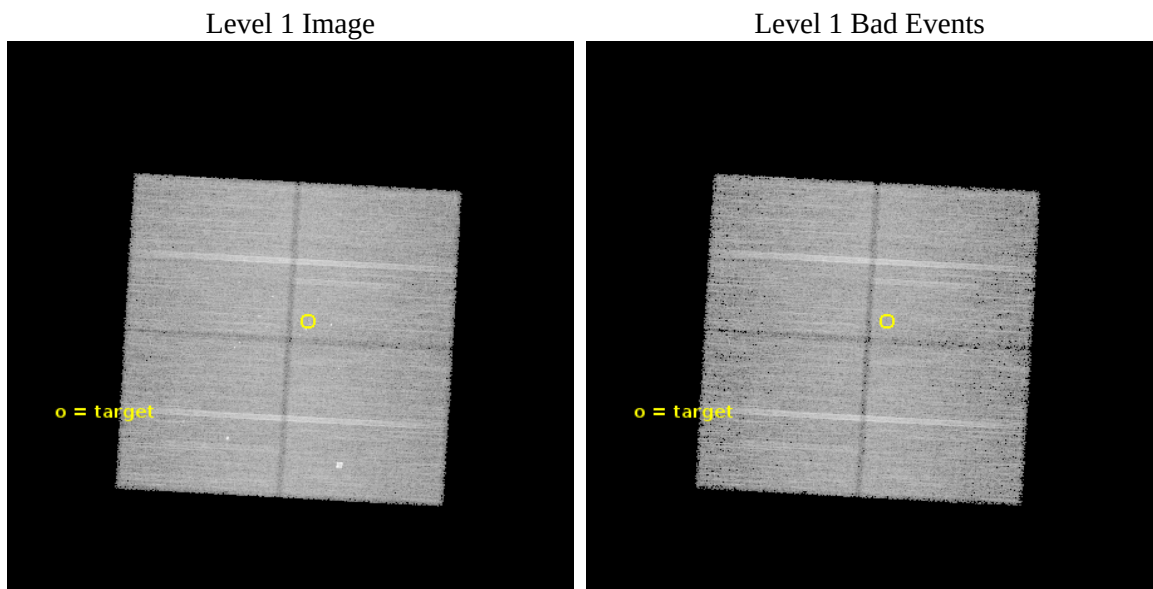
seq_num	601219	Sequence number
obs_id	17463	Observation id
title	A Survey of nearby, nearly face-on spiral galaxies	Proposal title
observer	Dr. Gordon Garmire	Principal investigator
object	NGC1232	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	47.439583	Observer's specified target RA [deg]
dec_targ	-20.579444	Observer's specified target Dec [deg]
ra_nom	47.457083798034	Nominal RA [deg]
dec_nom	-20.583609017562	Nominal Dec [deg]
roll_nom	3.2405418882325	Nominal Roll [deg]
revision	1	Processing version of data
ontime	45080.200346828	Sum of GTIs [s]
livetime	44491.194341736	Livetime [s]
ontime0	45077.059286594	Sum of GTIs [s]
ontime1	45080.200346828	Sum of GTIs [s]
ontime2	45077.059286594	Sum of GTIs [s]
ontime3	45080.200346828	Sum of GTIs [s]
l2events	92049	Number of level 2 events



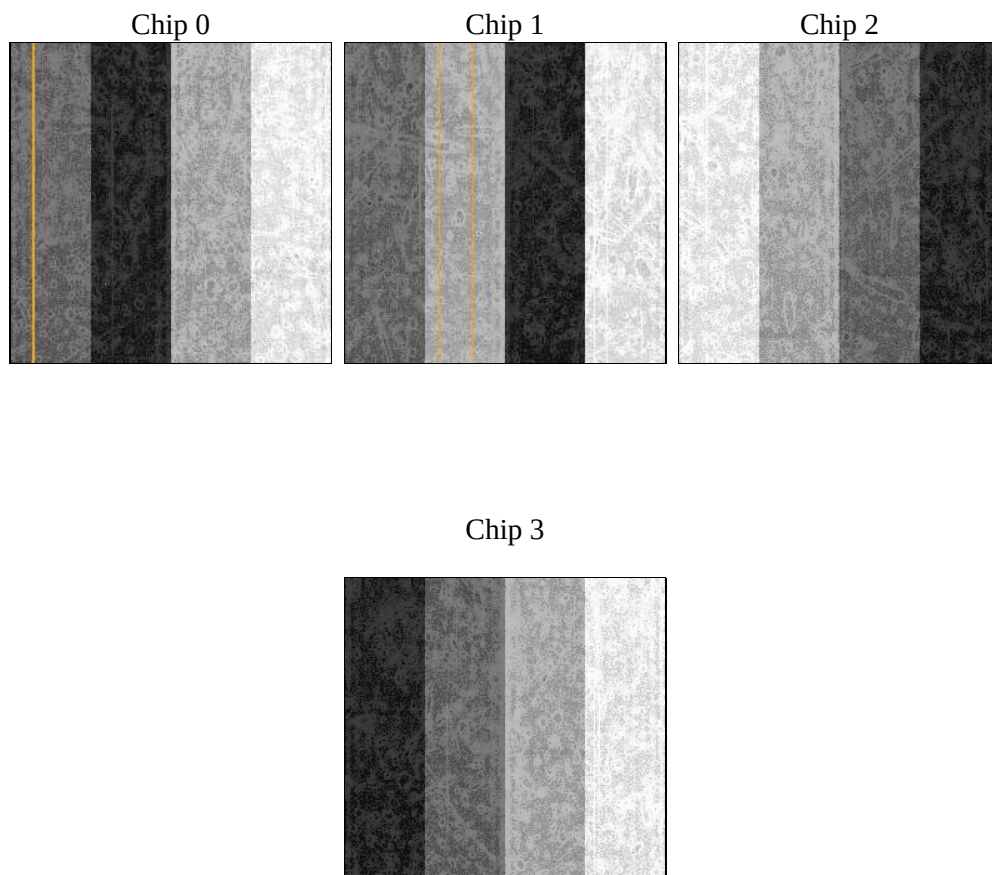
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	45000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.2.1	Processing system revision	ontime	45080.200346828	Sum of GTIs [s]
caldbver	4.6.10a	 	ontime0	45077.059286594	Sum of GTIs [s]
date	2015-11-12T03:30:40	Date and time of file creation	ontime1	45080.200346828	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	45077.059286594	Sum of GTIs [s]
			ontime3	45080.200346828	Sum of GTIs [s]
			l1events	886404	Number of level 1 events

2.1.4 Events

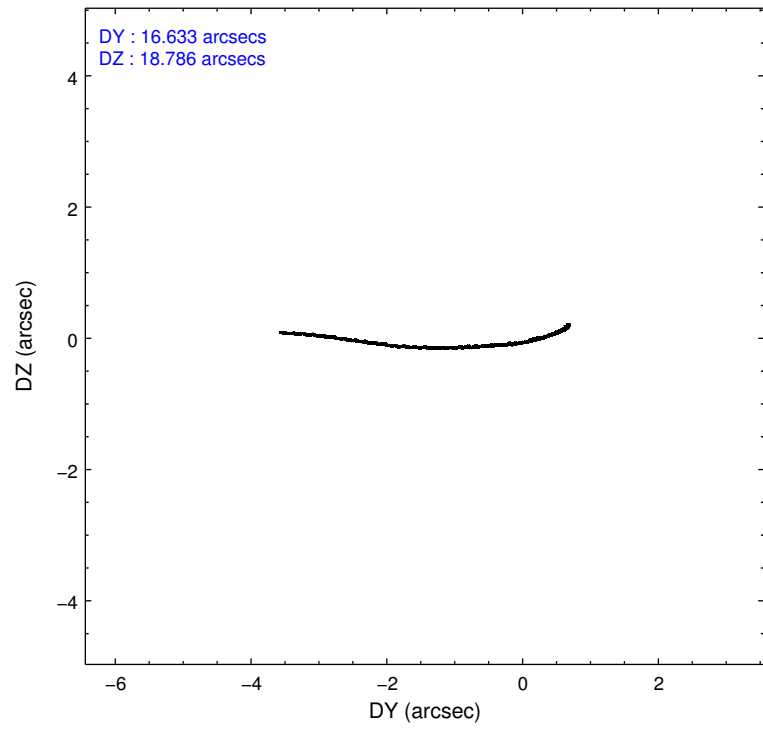
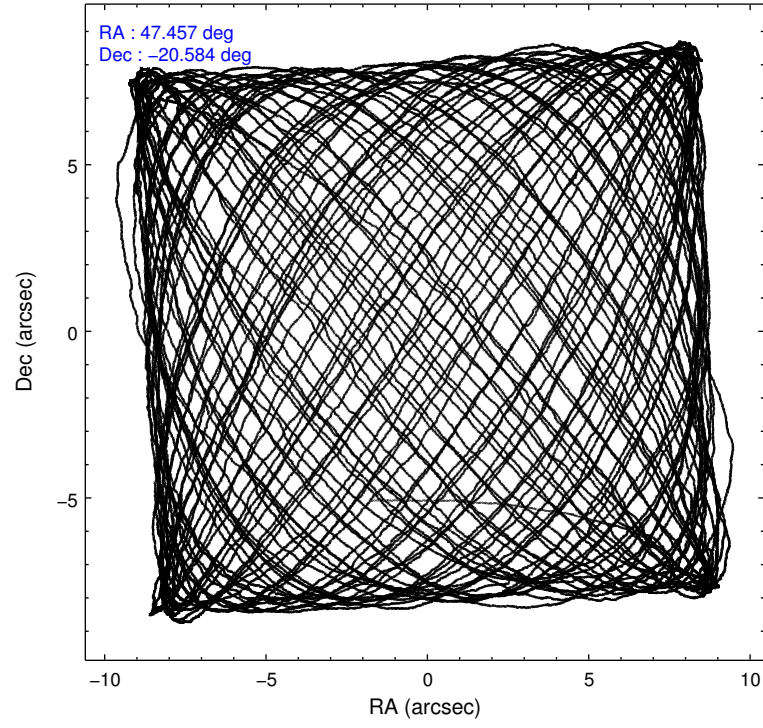
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	215265	222241	227597	221301
rejected events	186818	190737	201738	195448
rejected %	86%	85%	88%	88%

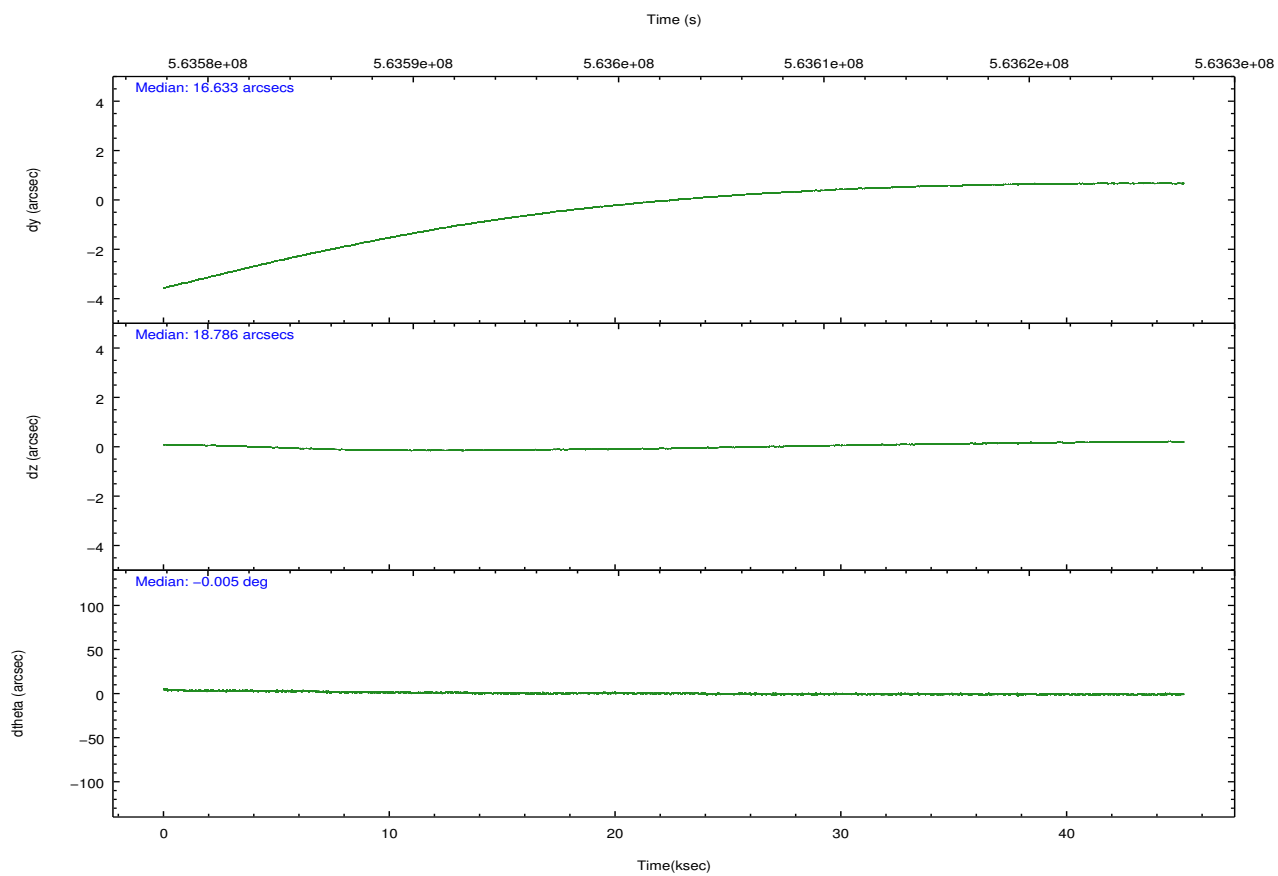
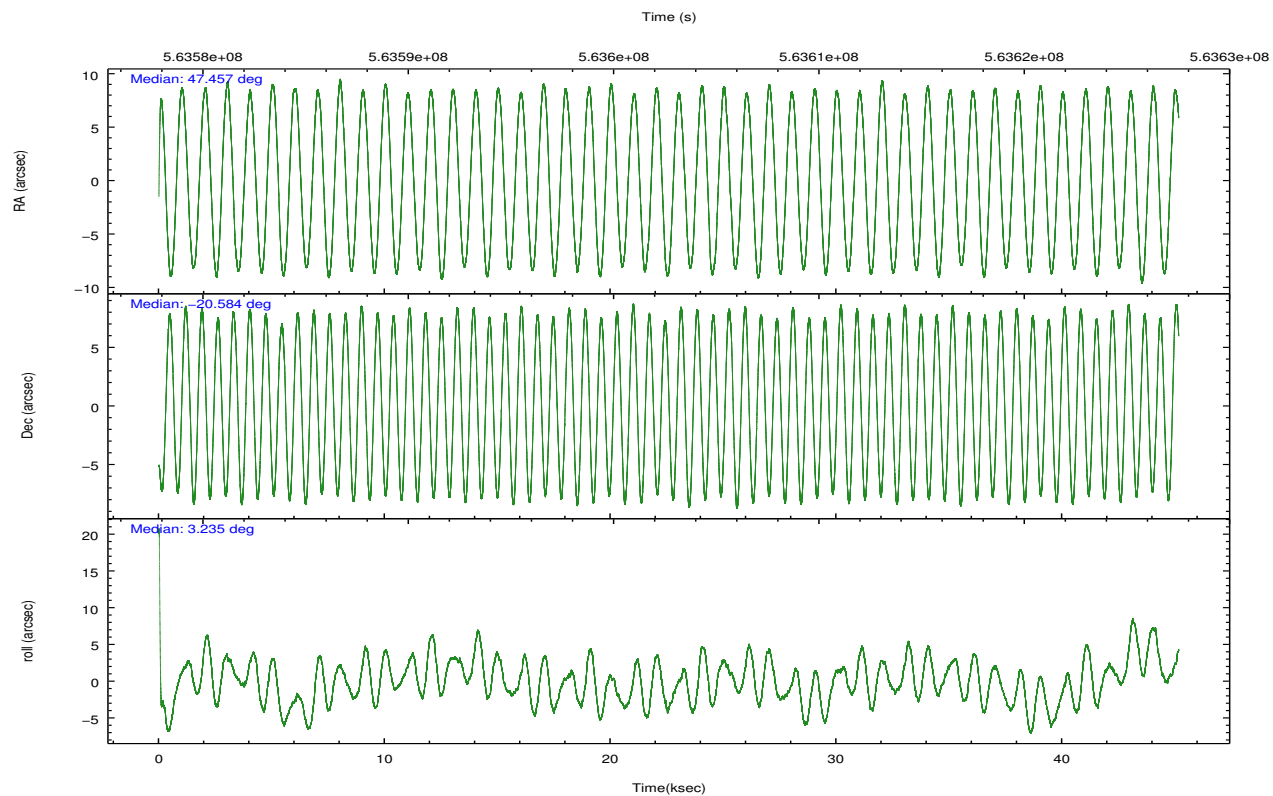
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	10368	12250	9218	9227
	4%	5%	4%	4%
grade 1 events	112	139	152	136
	0%	0%	0%	0%
grade 2 events	6752	7034	6397	5905
	3%	3%	2%	2%
grade 3 events	2961	2786	2612	2773
	1%	1%	1%	1%
grade 4 events	2726	2810	2626	2631
	1%	1%	1%	1%
grade 5 events	10543	11057	9946	12069
	4%	4%	4%	5%
grade 6 events	5640	6630	5007	5323
	2%	2%	2%	2%
grade 7 events	176163	179535	191639	183237
	81%	80%	84%	82%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	47.432472	47.45708379803366	Subarray requested	NONE	NONE
[deg] Pointing Dec	-20.598824	-20.58360901756221	Alternating exposures requested	N	N
[deg] Pointing Roll	3.023194	3.240541888232532	[s] Primary exposure time	0.000000	3.1
[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)	563580280.184000	563579336.85216			
Observation start date	2015-11-10T22:03:32	2015-11-10T21:48:56			
[s] Observation end time (MET)	563625280.184000	563625841.1048			
Observation end date	2015-11-11T10:33:32	2015-11-11T10:44:01			
Read mode	TIMED	TIMED			

2.3 Aspect



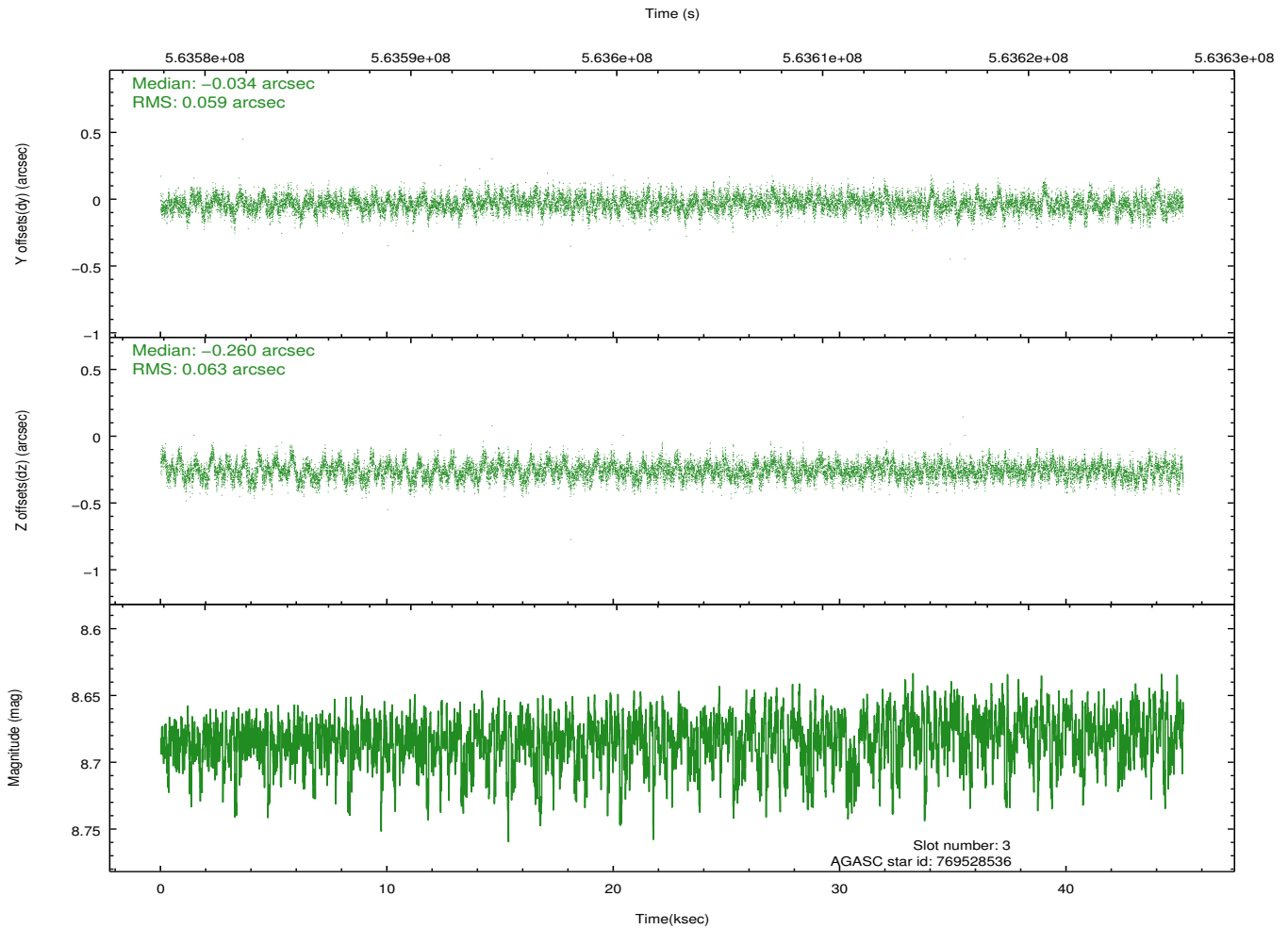
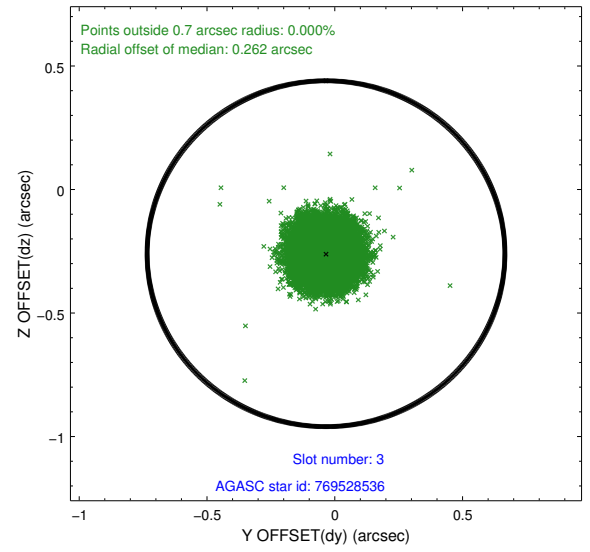
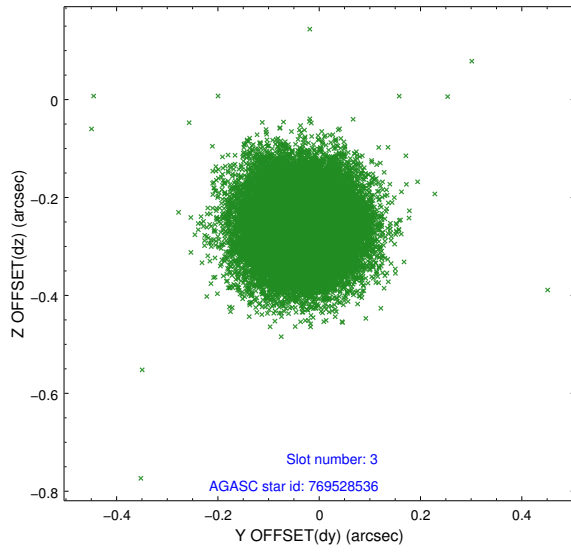


Slot Statistics

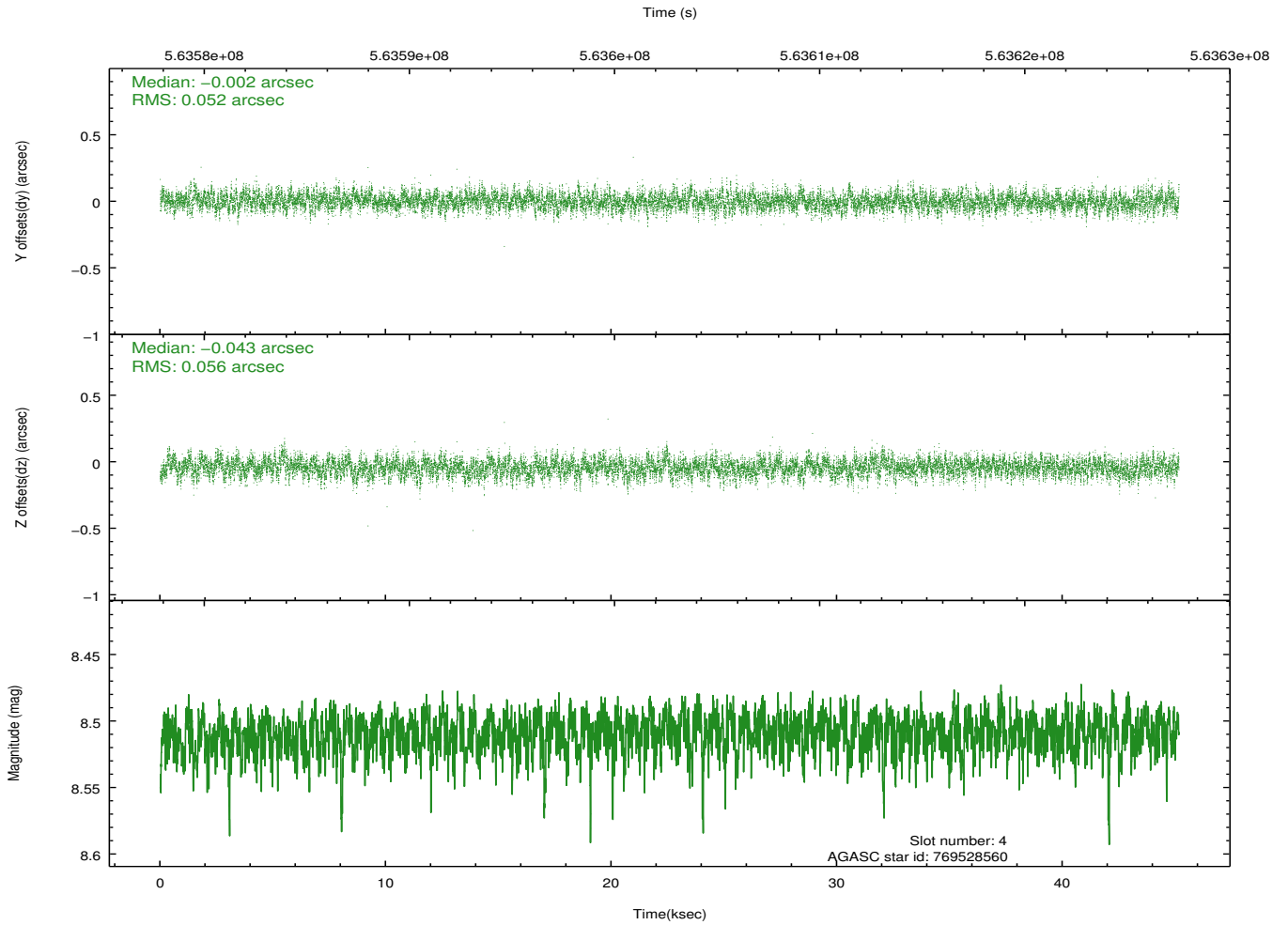
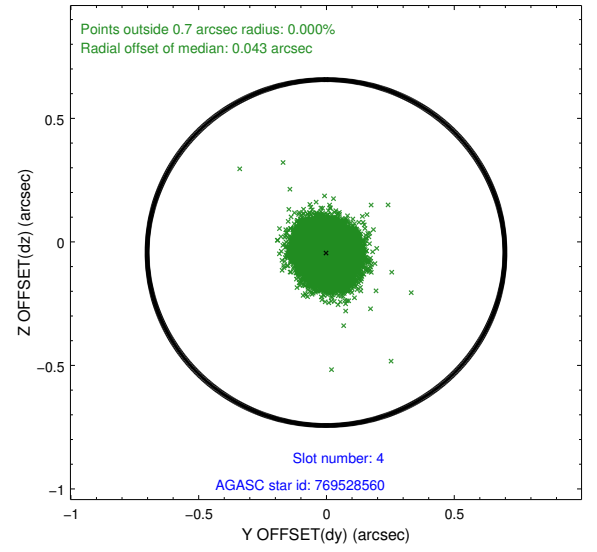
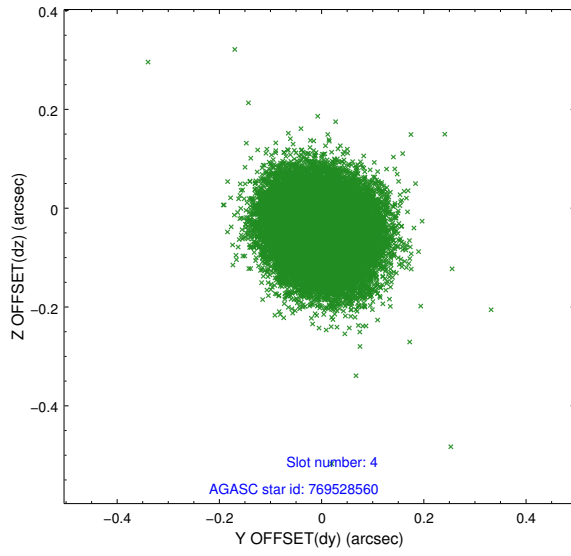
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.25	11014	0.055	0.010	0.010	0.019	0.000000	0.000000	923.38	-842.44
1	FID		ACIS-I-5	7.25	11014	-0.344	0.030	0.023	0.060	0.000000	0.000000	-1825.20	1054.95
2	FID		ACIS-I-6	7.26	11015	0.196	0.029	0.025	0.059	0.000000	0.000000	388.95	1699.54
3	GUIDE	used	769528536	8.68	22028	-0.034	-0.260	0.092	0.148	46.820282	-20.648792	-2068.82	-75.14
4	GUIDE	used	769528560	8.51	22021	-0.002	-0.043	0.082	0.131	47.066460	-20.416749	-1198.35	718.38
5	GUIDE	used	769532344	8.54	21963	0.041	0.370	0.086	0.140	47.077000	-21.186579	-1302.46	-2051.93
6	GUIDE	used	770451224	7.78	22025	-0.116	-0.046	0.084	0.150	48.005011	-20.791582	1887.71	-797.91
7	GUIDE	used	770451544	7.58	22027	0.102	-0.016	0.081	0.132	48.064077	-20.619593	2121.53	-190.82

2.4 Star Slots

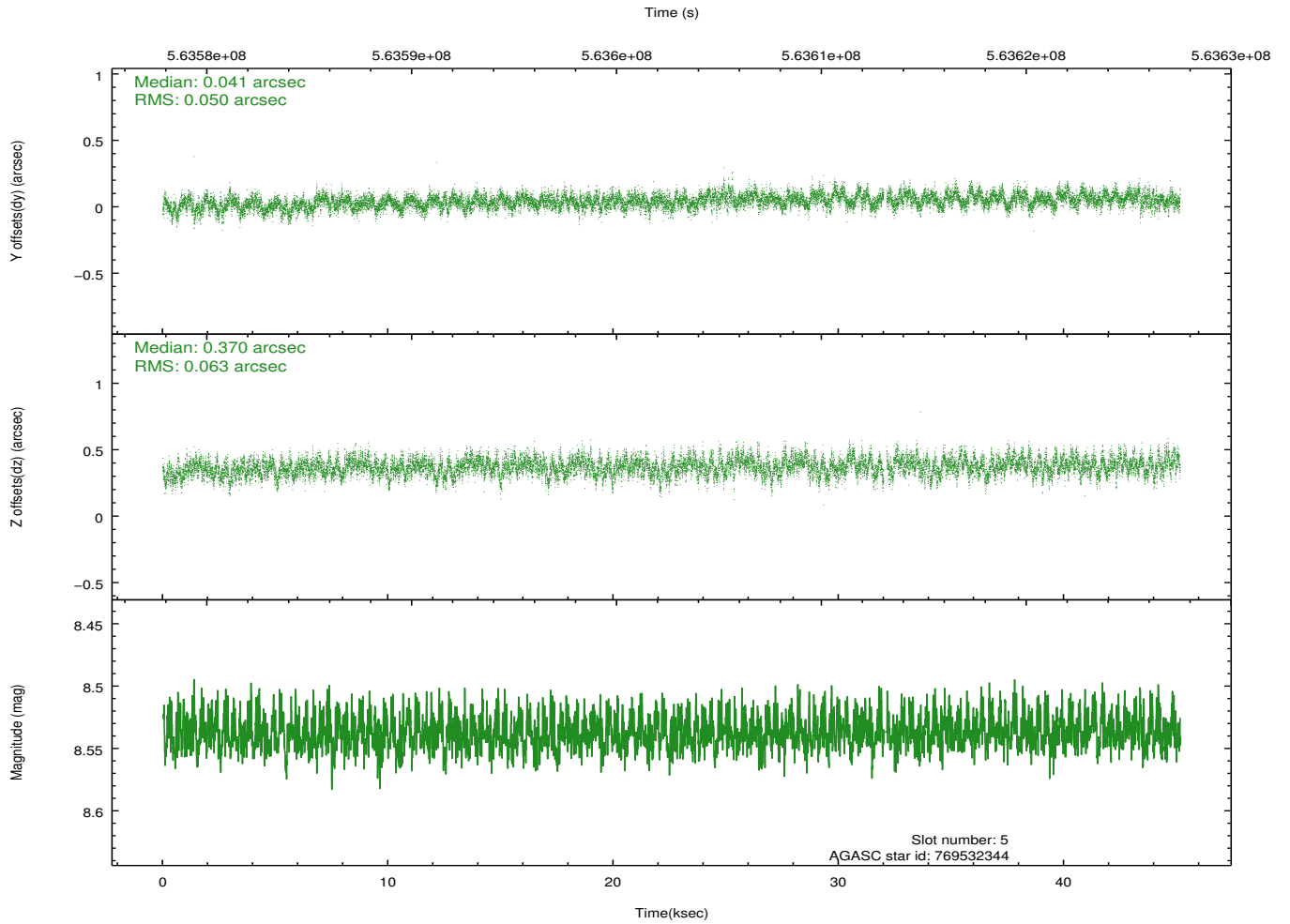
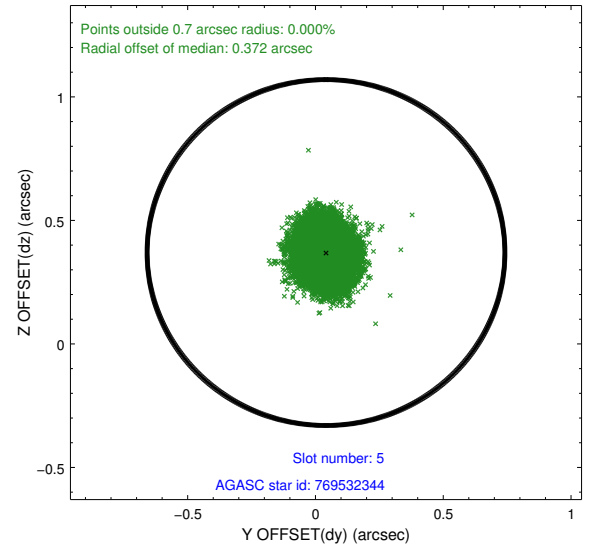
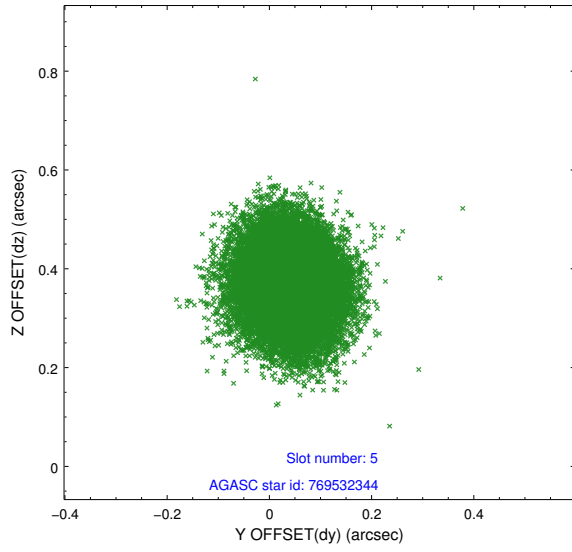
2.4.1 Slot 3



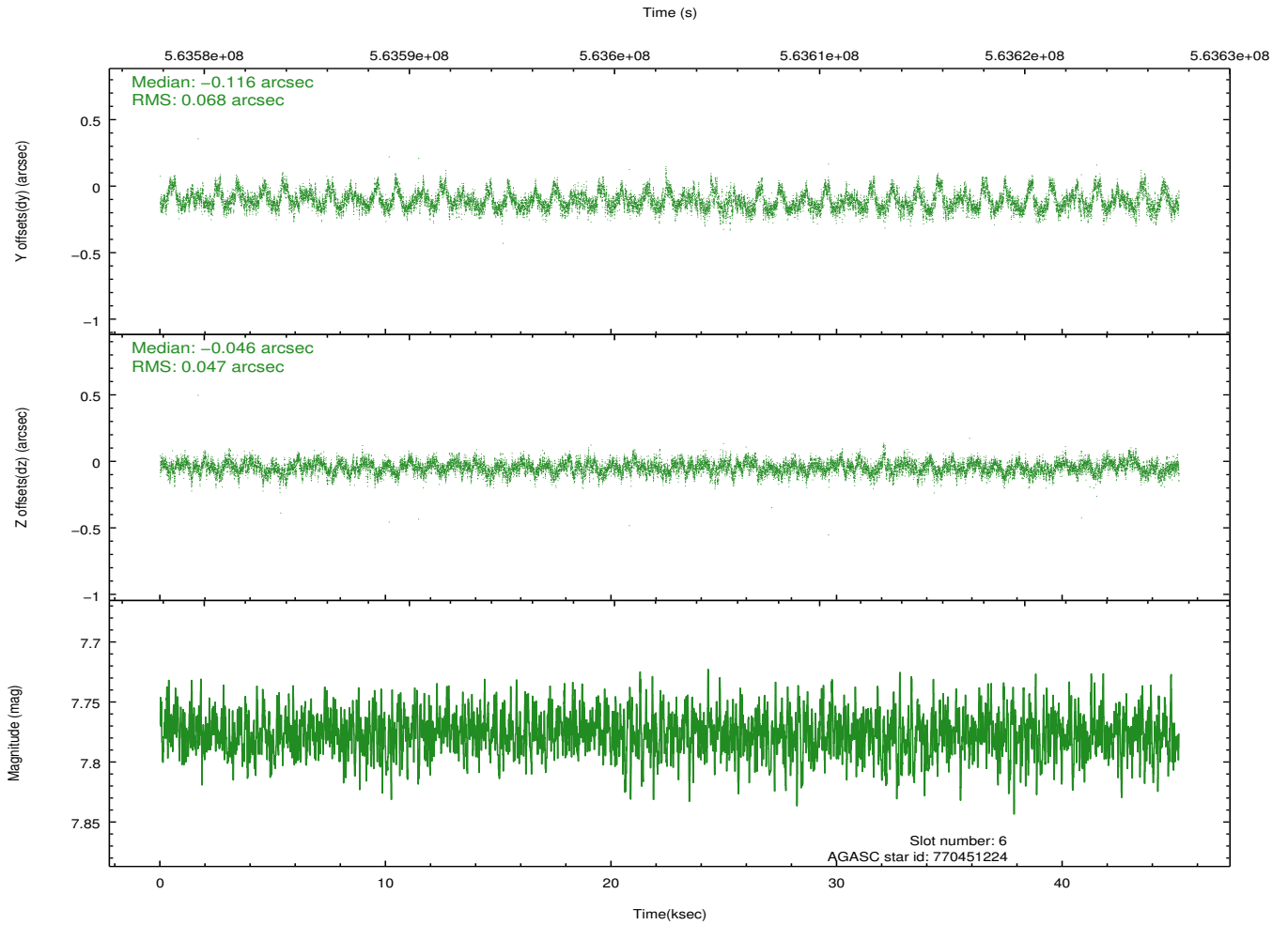
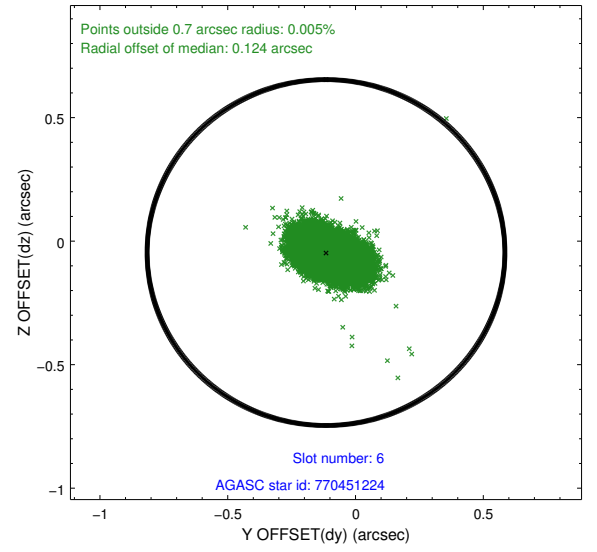
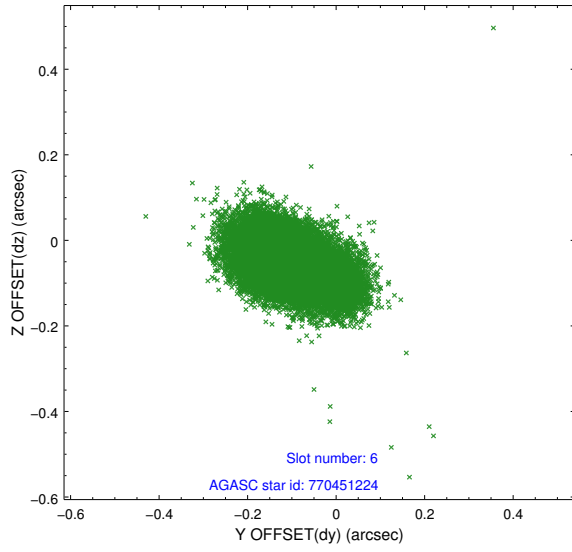
2.4.2 Slot 4



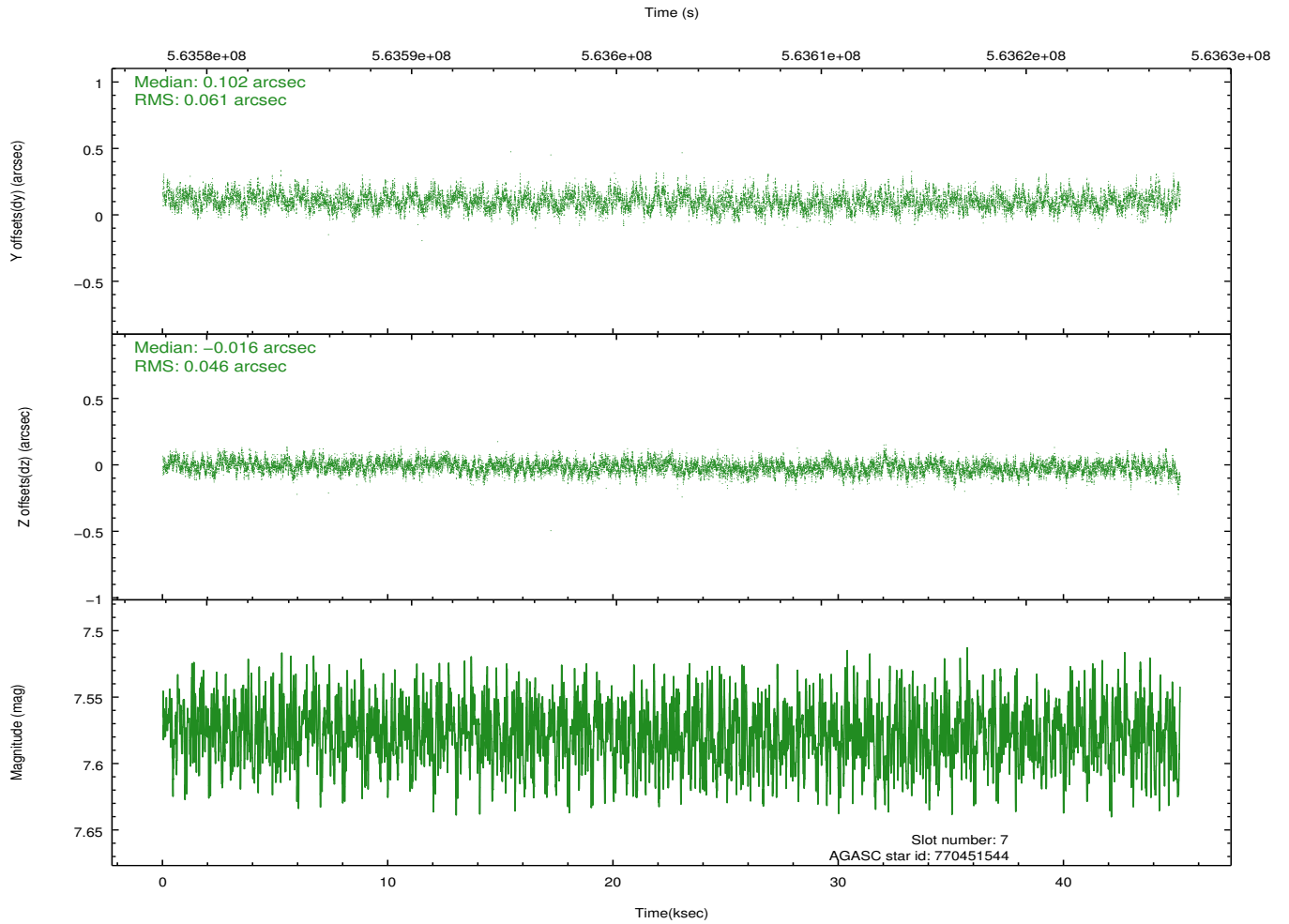
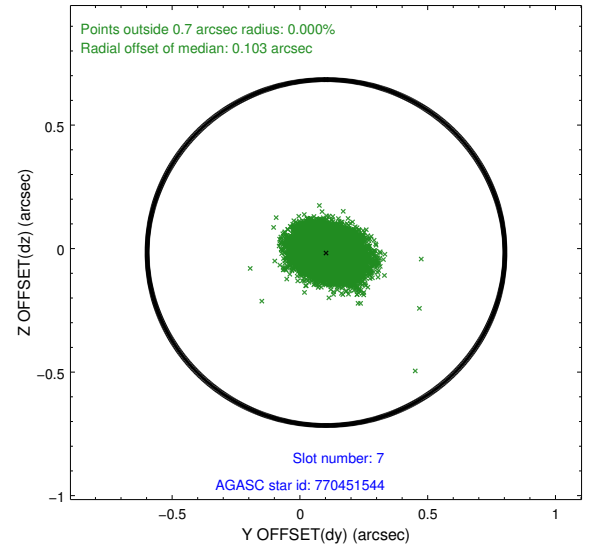
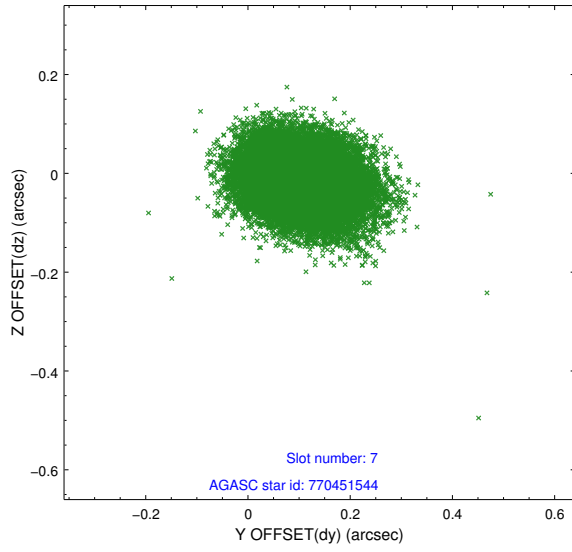
2.4.3 Slot 5



2.4.4 Slot 6

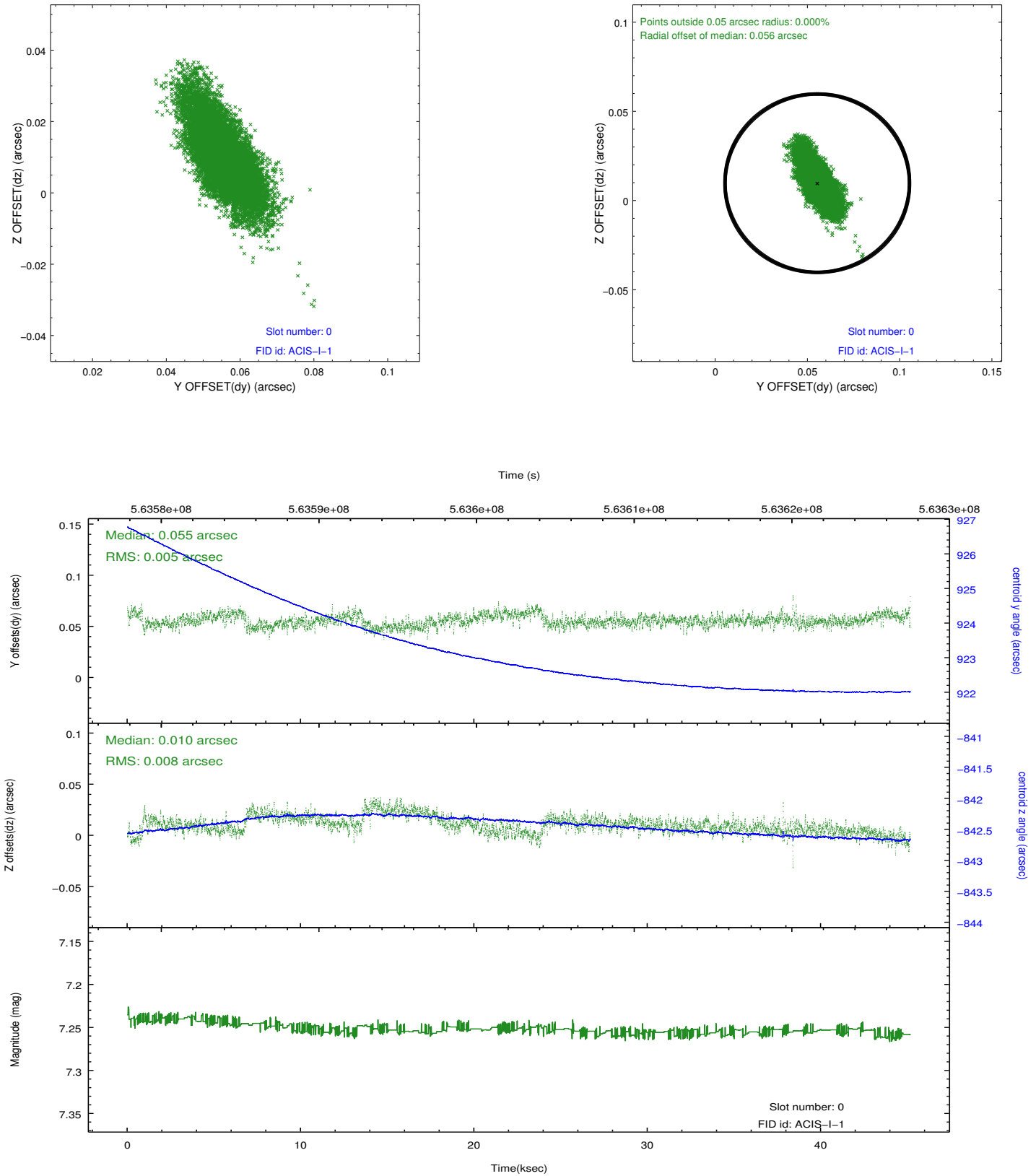


2.4.5 Slot 7

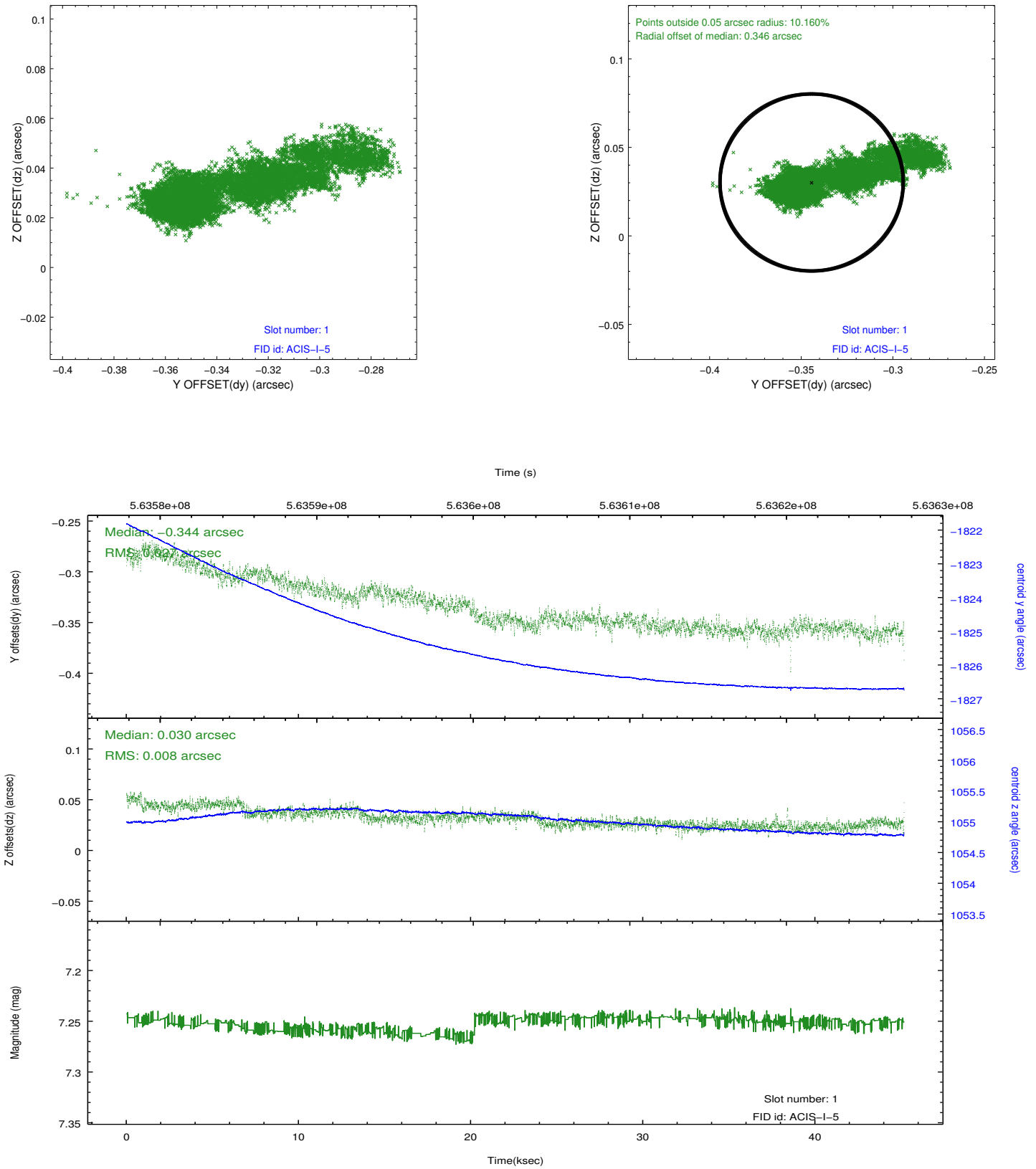


2.5 FID Slots

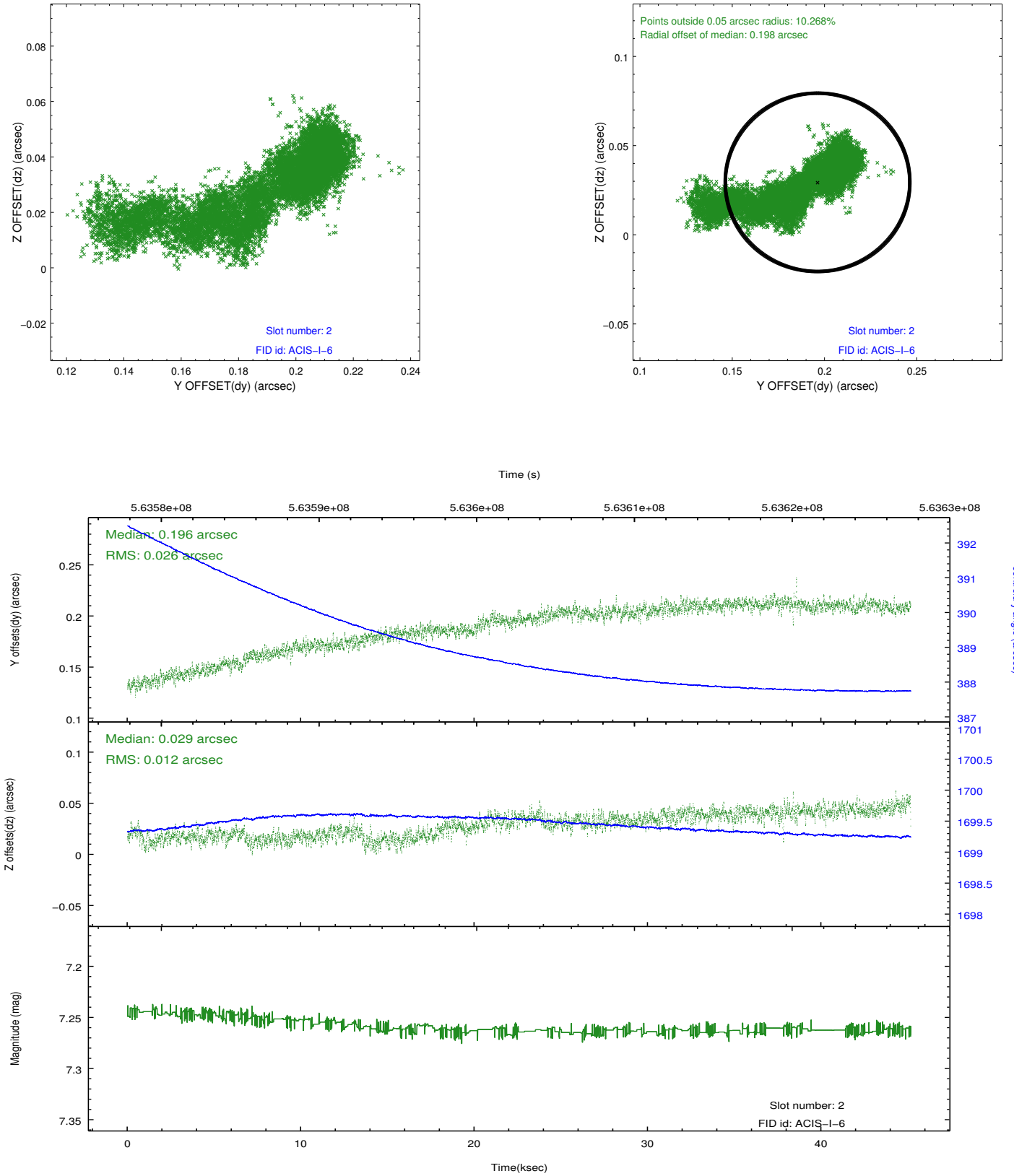
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.11.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	45.080200346828

A.2 Comments