

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 13170 - L2 Version 2
Chandra X-Ray Center

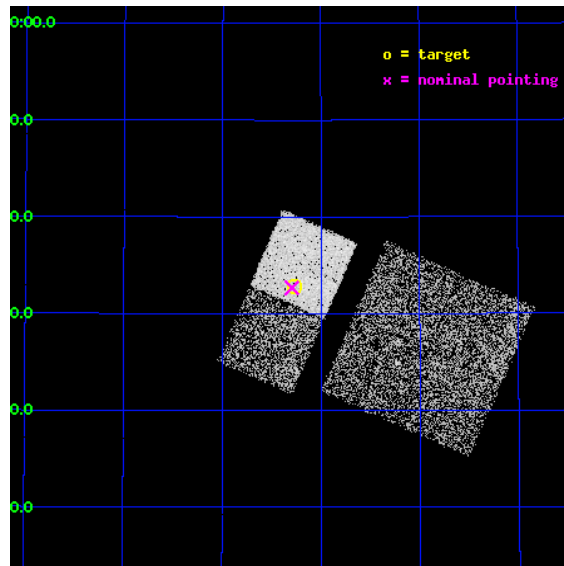
L2 Processing Date : Jul 6 2012

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1 Front

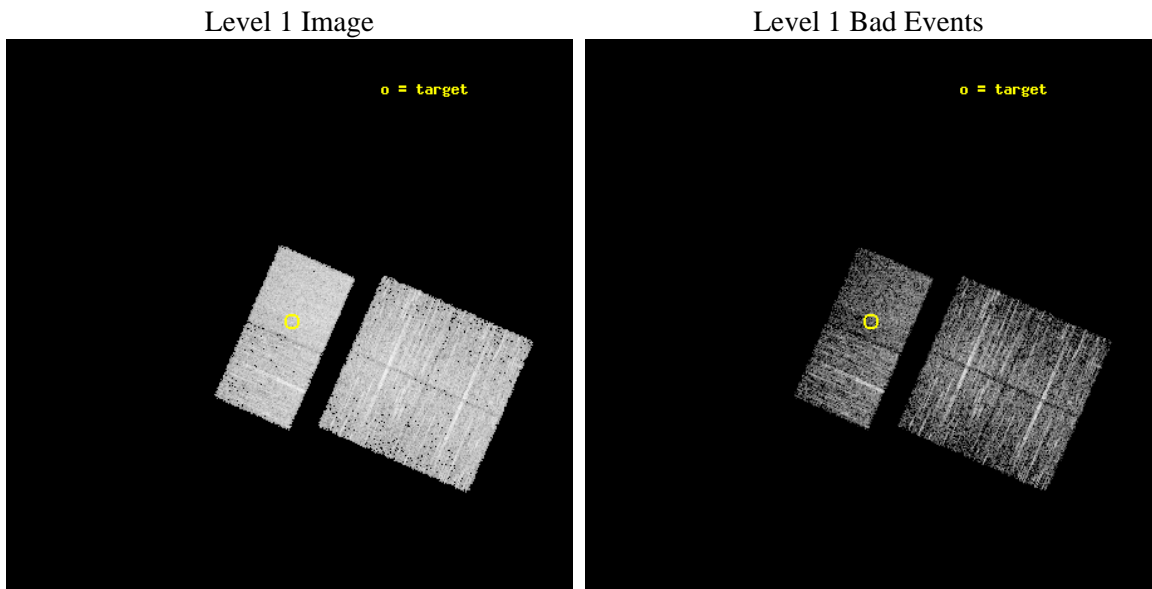
seq_num	401290	Sequence number
obs_id	13170	Observation id
title	Confirming the low-mass X-ray binaries in the Kepler field	Proposa
observer	Dr Jifeng Liu	Principal investigator
object	J194016.3+463251	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	295.067917	Observer's specified target RA [deg]
dec_targ	46.5475	Observer's specified target Dec [deg]
ra_nom	295.0736536119	Nominal RA [deg]
dec_nom	46.544745338014	Nominal Dec [deg]
roll_nom	293.81181104829	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3961.5999853015	Sum of GTIs [s]
livetime	3911.4358208985	Livetime [s]
ontime0	3961.5999853015	Sum of GTIs [s]
ontime1	3961.5932567716	Sum of GTIs [s]
ontime2	3961.5999853015	Sum of GTIs [s]
ontime3	3961.5999853015	Sum of GTIs [s]
ontime6	3961.5999853015	Sum of GTIs [s]
ontime7	3961.5999853015	Sum of GTIs [s]
l2events	28353	Number of level 2 events



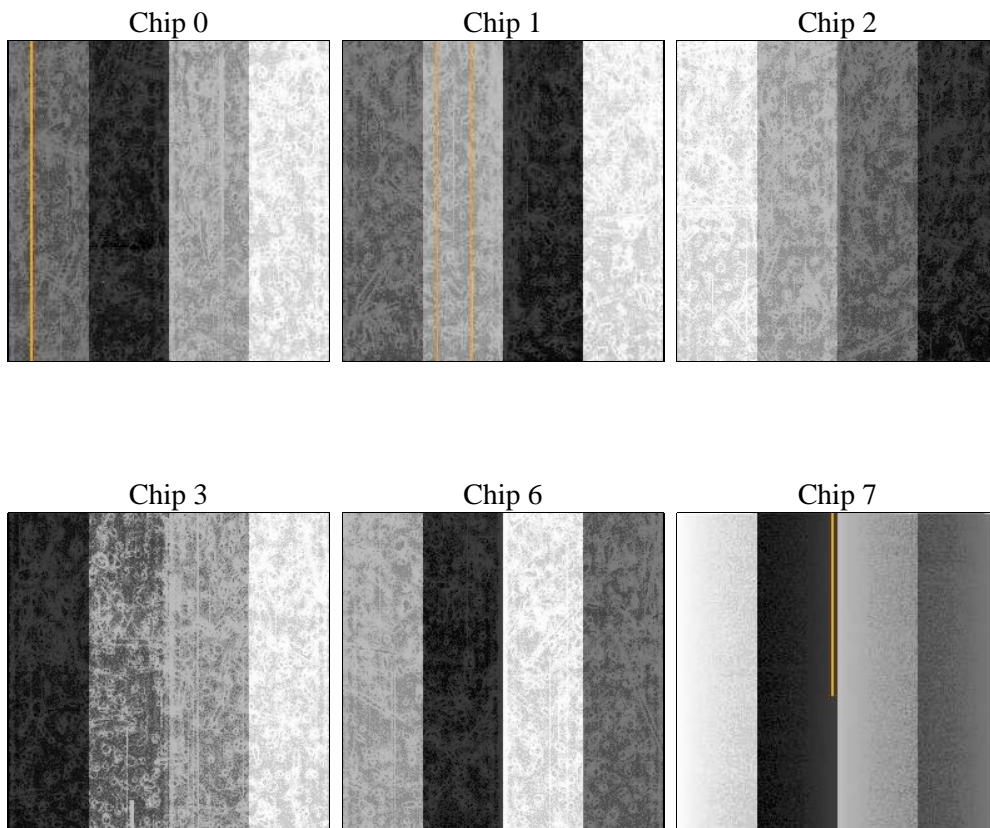
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4000.358000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3961.5999853015	Sum of GTIs [s]
caldsver	4.5.0	 	ontime0	3961.5999853015	Sum of GTIs [s]
date	2012-07-06T12:35:38	Date and time of file creation	ontime1	3961.5932567716	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	3961.5999853015	Sum of GTIs [s]
			ontime3	3961.5999853015	Sum of GTIs [s]
			ontime6	3961.5999853015	Sum of GTIs [s]
			ontime7	3961.5999853015	Sum of GTIs [s]
			l1events	172493	Number of level 1 events

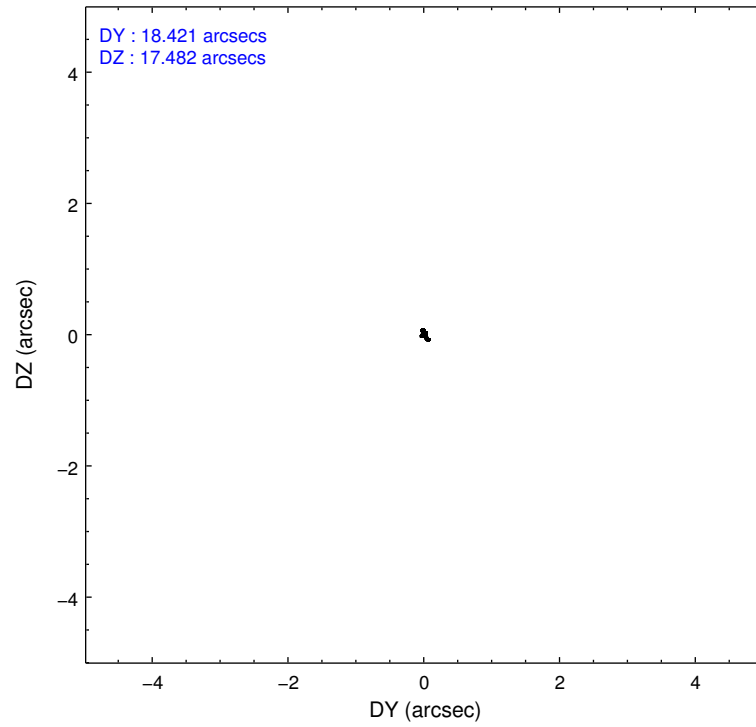
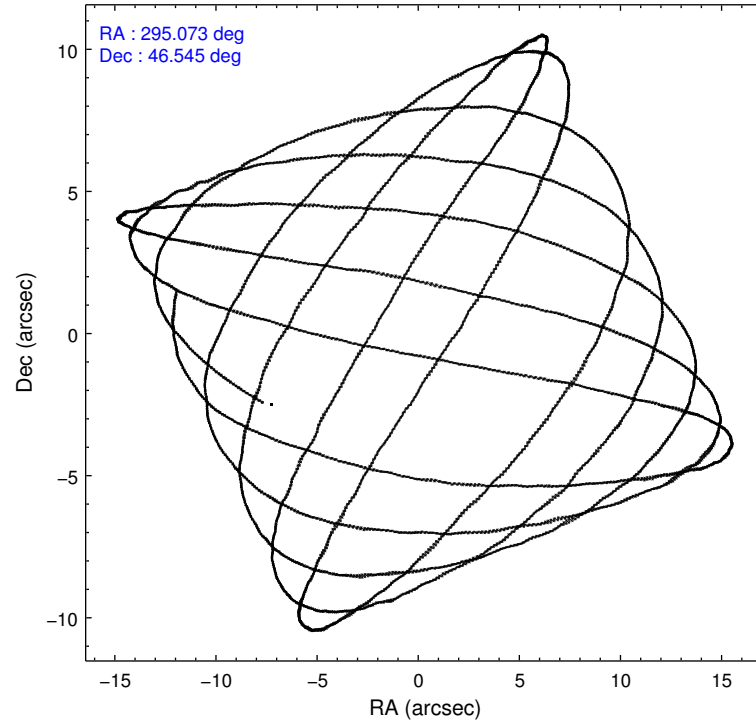
2.1.4 Events

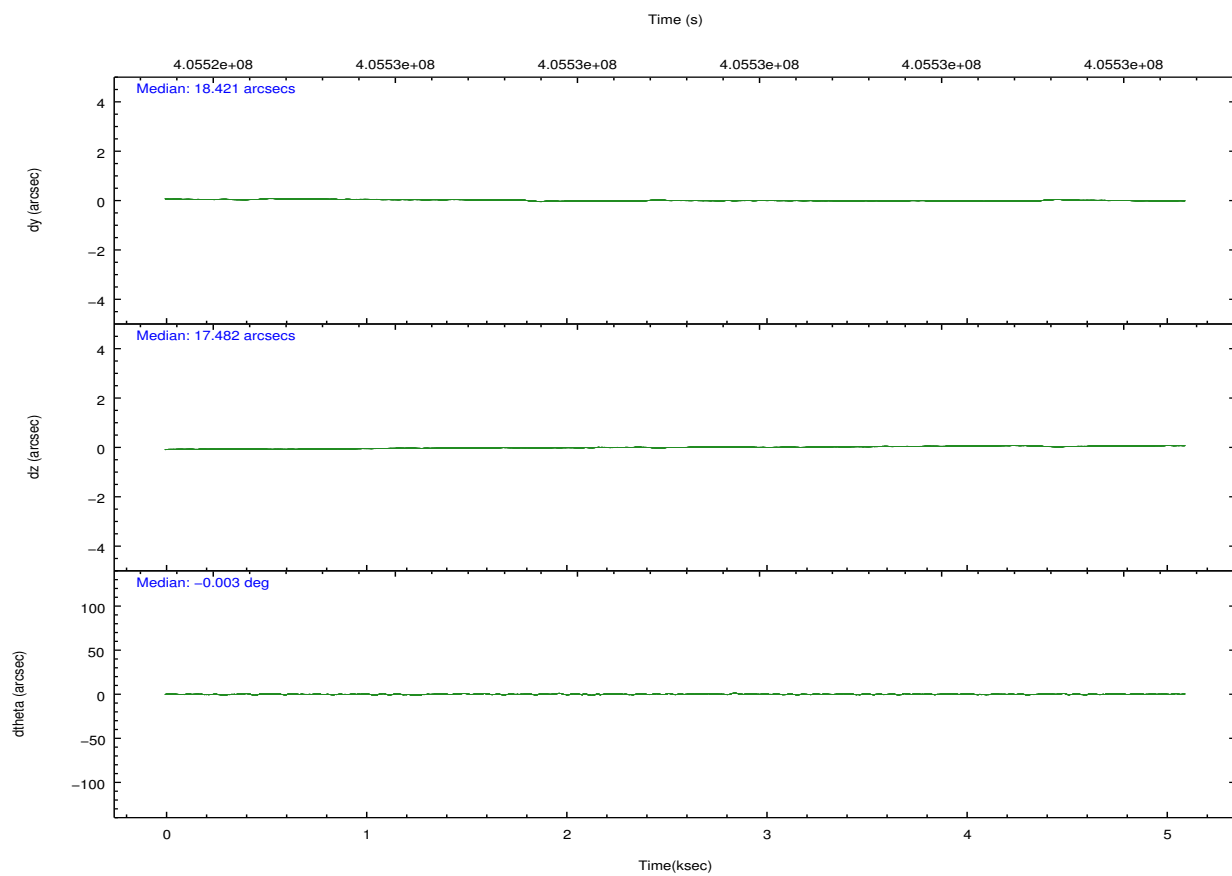
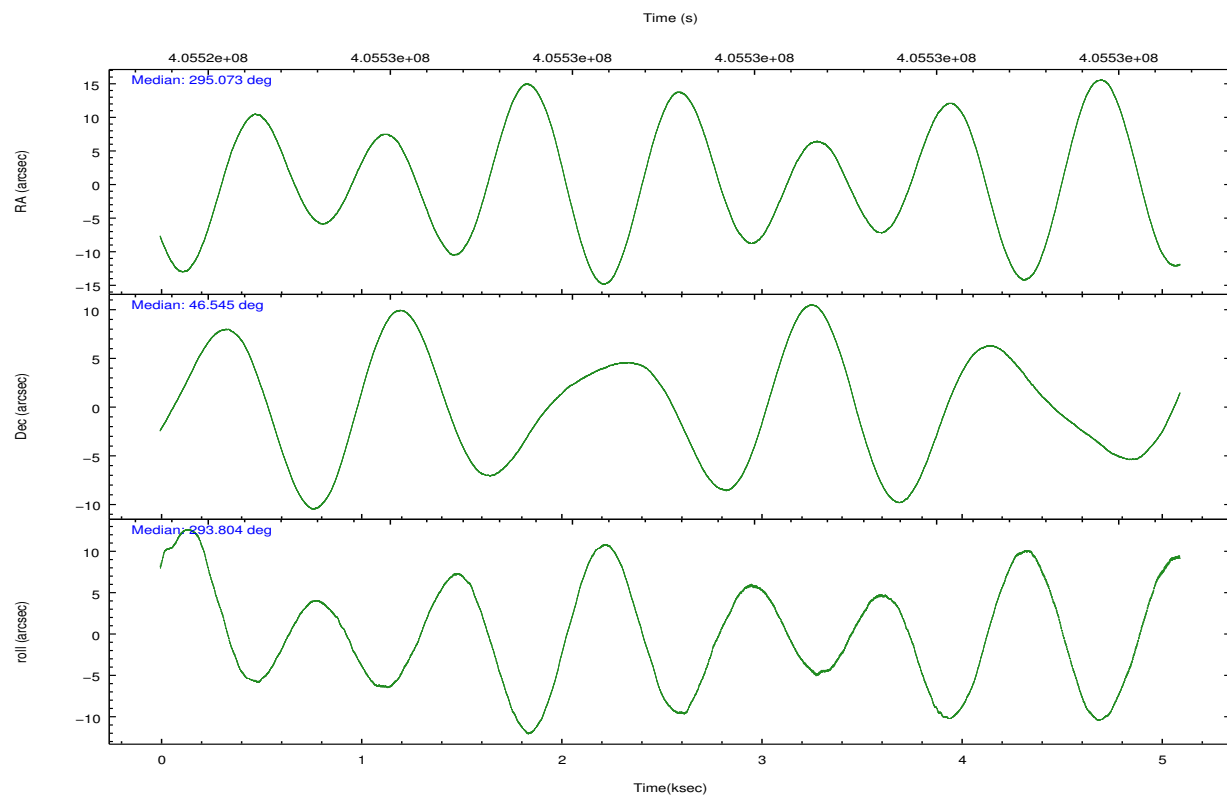
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	26592	25978	28132	28292	28501	34998	grade 0 events	1056	1163	1122	1030	1181	1353
rejected events	23470	22627	25117	25419	25211	19320		3%	4%	3%	3%	4%	3%
rejected %	88%	87%	89%	89%	88%	55%	grade 1 events	11	14	21	21	12	44
								0%	0%	0%	0%	0%	0%
							grade 2 events	767	791	721	638	711	3267
								2%	3%	2%	2%	2%	9%
							grade 3 events	367	378	300	307	352	1282
								1%	1%	1%	1%	1%	3%
							grade 4 events	319	360	317	311	331	1400
								1%	1%	1%	1%	1%	4%
							grade 5 events	1177	1225	1119	1320	1317	3693
								4%	4%	3%	4%	4%	10%
							grade 6 events	617	670	559	591	720	8404
								2%	2%	1%	2%	2%	24%
							grade 7 events	22278	21377	23973	24074	23877	15555
								83%	82%	85%	85%	83%	44%

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	295.041311	295.0736536119028	Subarray requested	NONE	NONE
[deg] Pointing Dec	46.560591	46.54474533801362	Alternating exposures requested	N	N
[deg] Pointing Roll	293.678668	293.811811048289	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	405526080.184000	405524661.21759			
Observation start date	2010-11-07T14:06:54	2010-11-07T13:44:21			
[s] Observation end time (MET)	405530080.184000	405530305.89288			
Observation end date	2010-11-07T15:13:34	2010-11-07T15:18:25			
Read mode	TIMED	TIMED			

2.3 Aspect



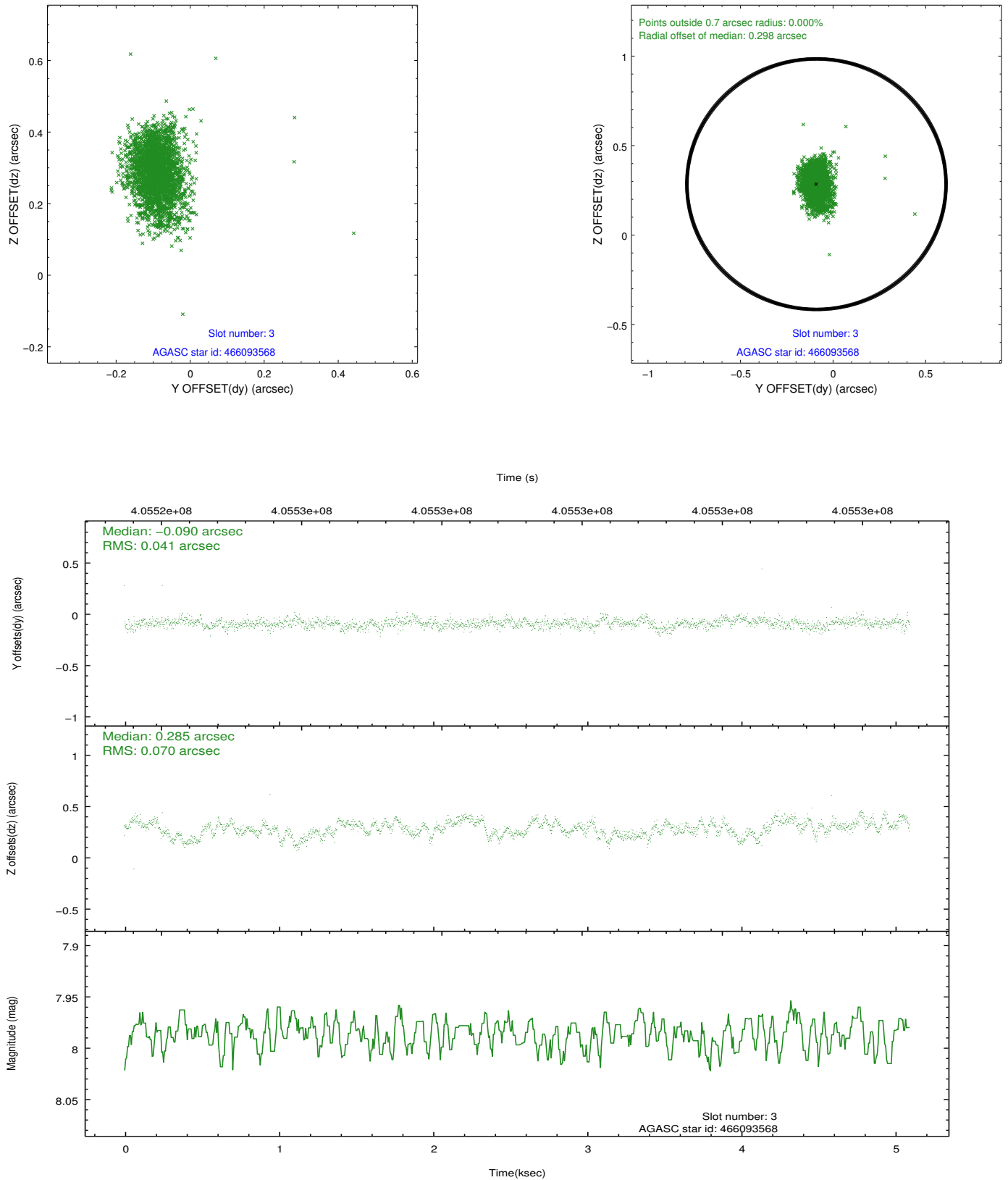


Slot Statistics

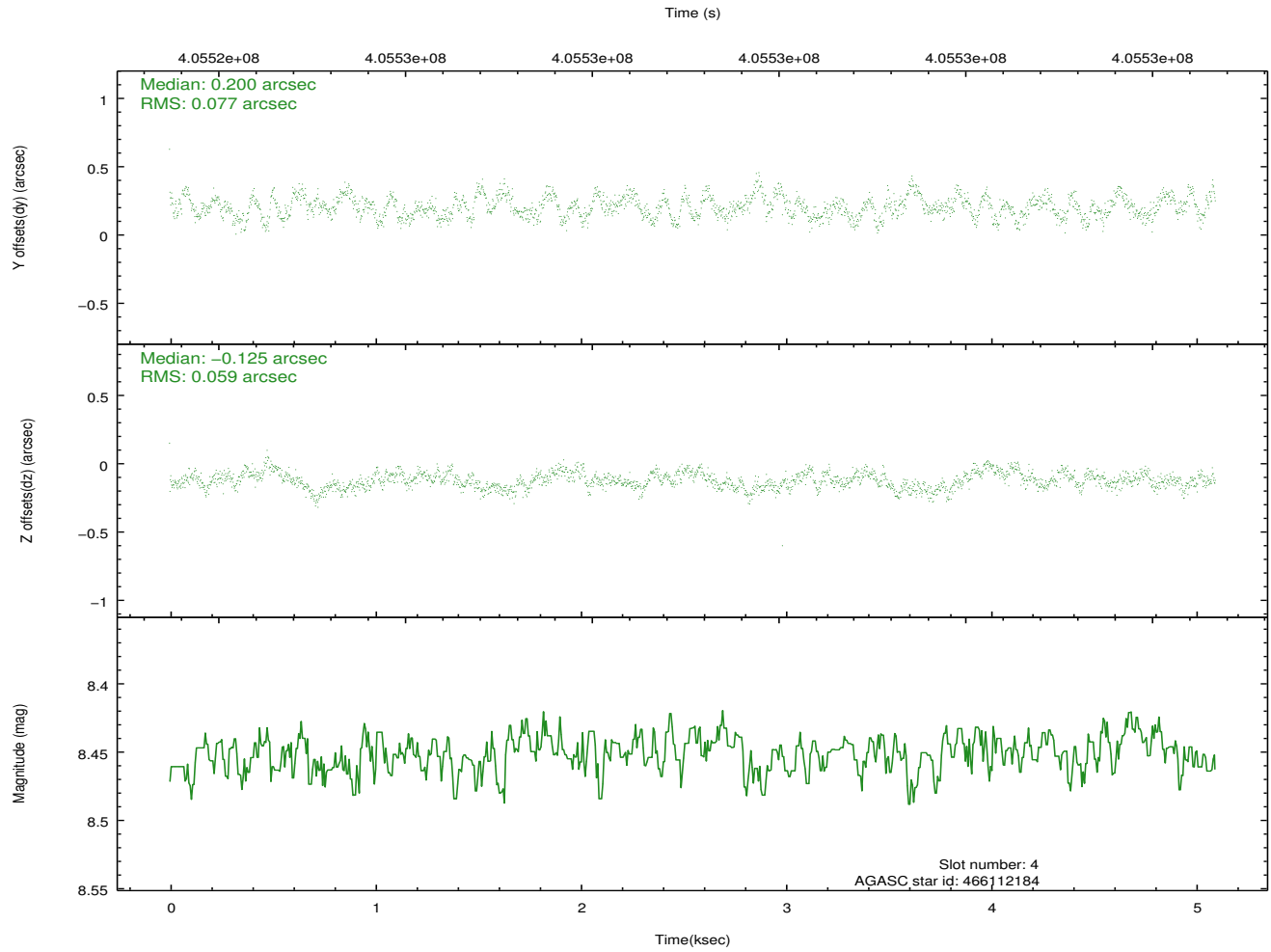
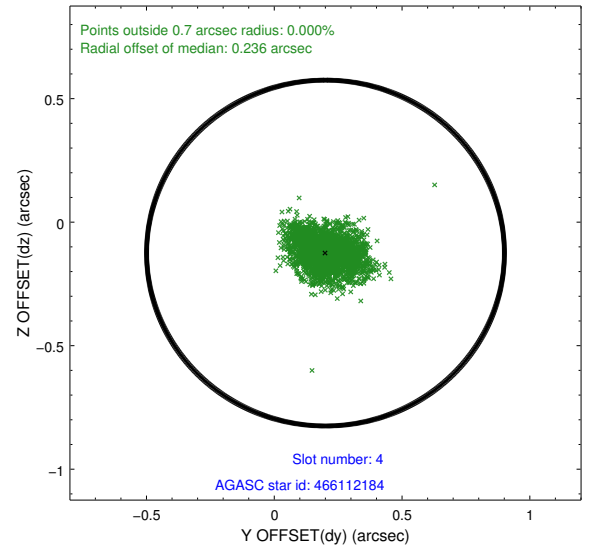
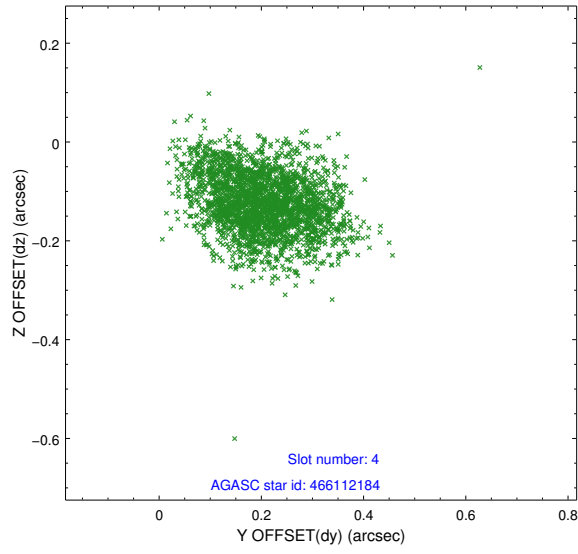
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.93	1243	-0.057	-0.031	0.006	0.011	0.000000	0.000000	-771.59	-1738.89
1	FID	ACIS-S-4	7.00	1243	0.194	0.036	0.006	0.011	0.000000	0.000000	2141.43	168.35
2	FID	ACIS-S-5	7.05	1243	-0.168	0.004	0.006	0.012	0.000000	0.000000	-1822.98	163.45
3	GUIDE	466093568	7.99	2487	-0.090	0.285	0.082	0.141	294.004749	46.604475	-1189.08	-2277.26
4	GUIDE	466112184	8.45	2485	0.200	-0.125	0.103	0.164	294.521629	45.884402	1702.81	-2169.07
5	GUIDE	466120336	7.53	2486	0.089	-0.183	0.079	0.117	295.194909	46.385466	731.96	95.57
6	GUIDE	466238400	8.65	2481	-0.073	0.033	0.077	0.123	295.793638	46.418906	1209.24	1509.16
7	GUIDE	466226760	9.10	2483	-0.127	-0.006	0.104	0.165	295.951071	46.745939	278.85	2328.98

2.4 Star Slots

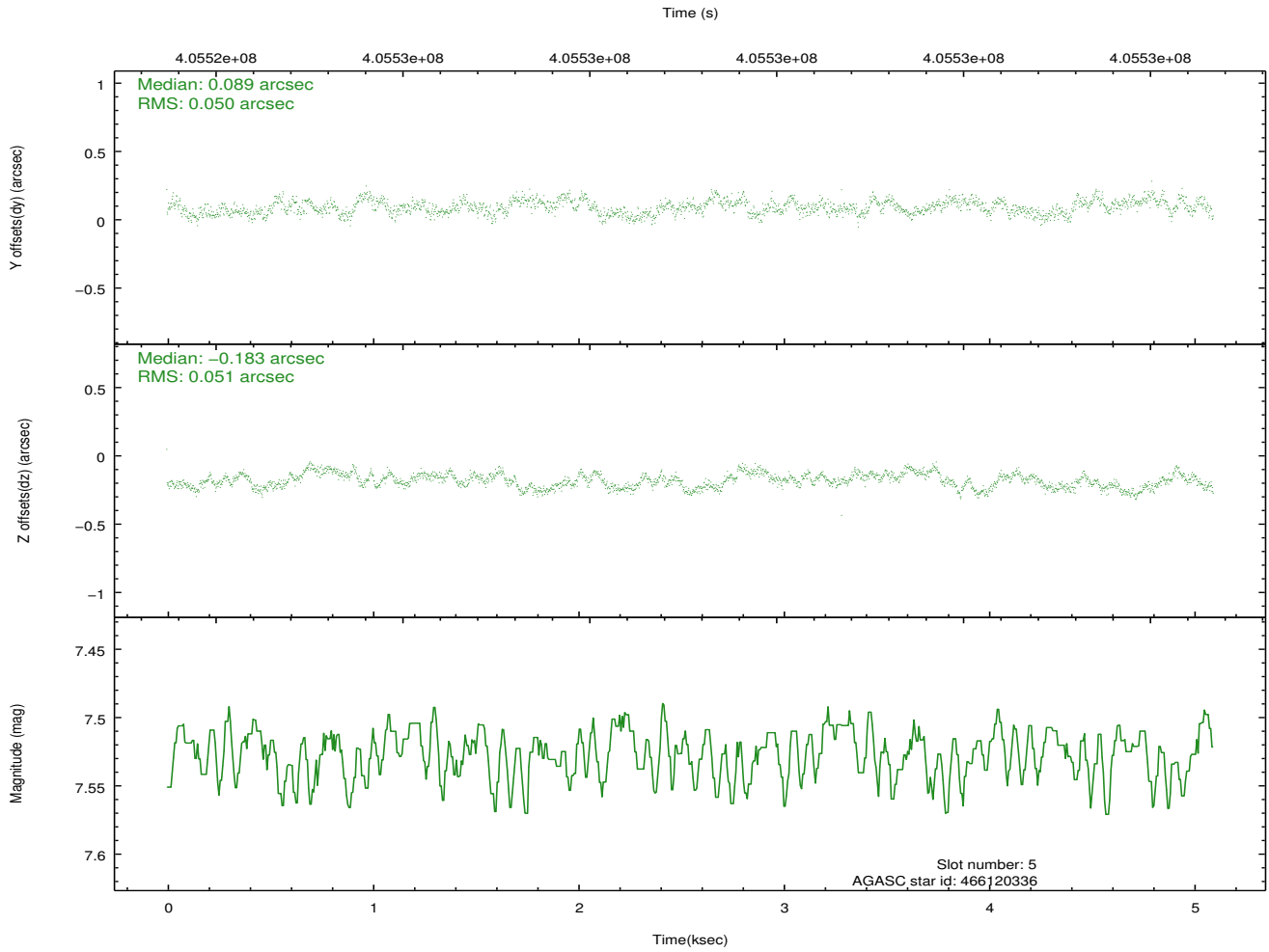
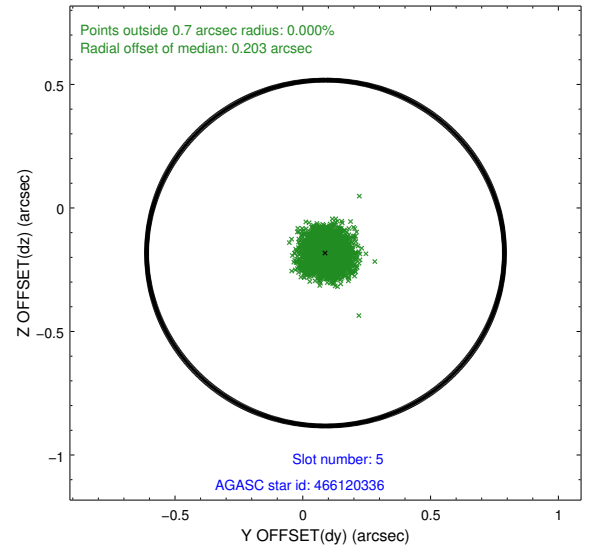
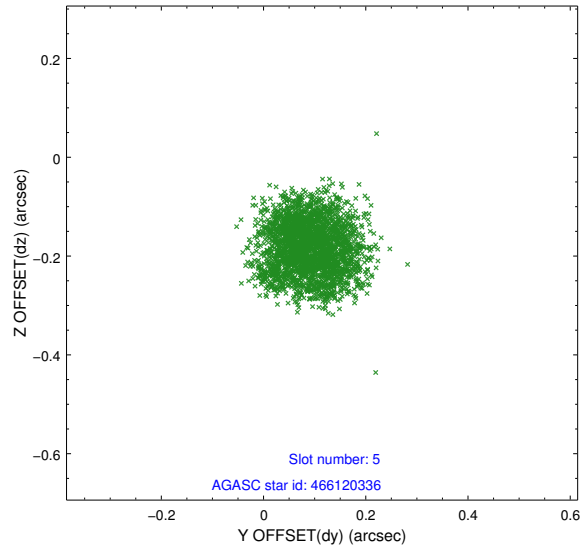
2.4.1 Slot 3



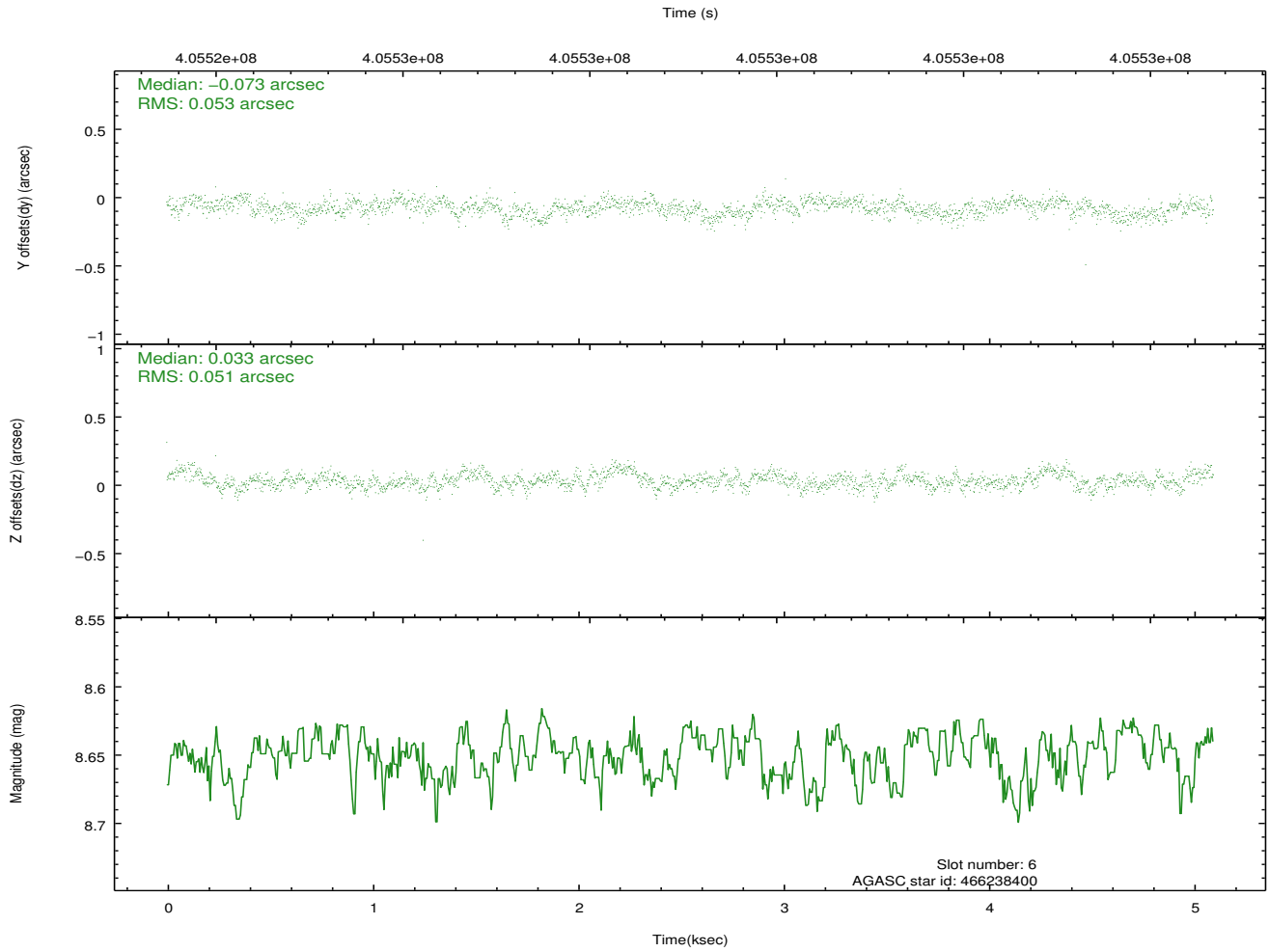
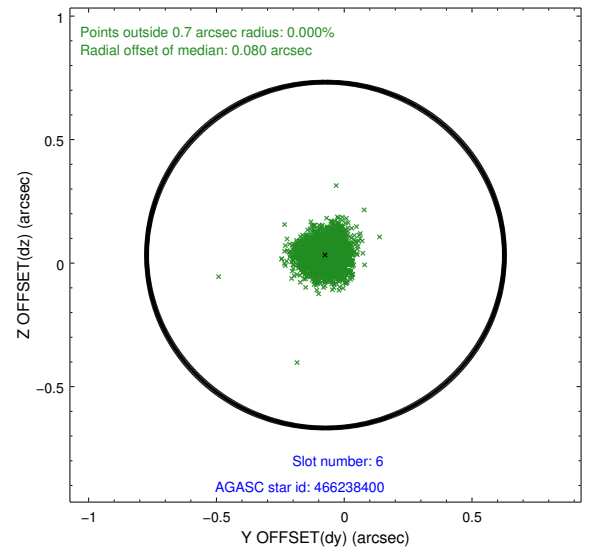
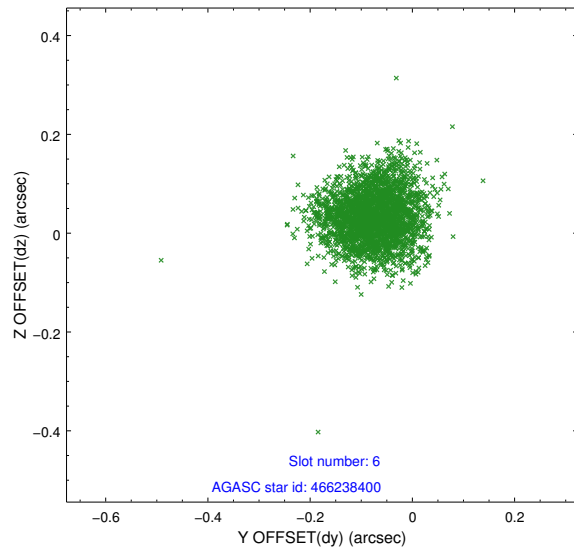
2.4.2 Slot 4



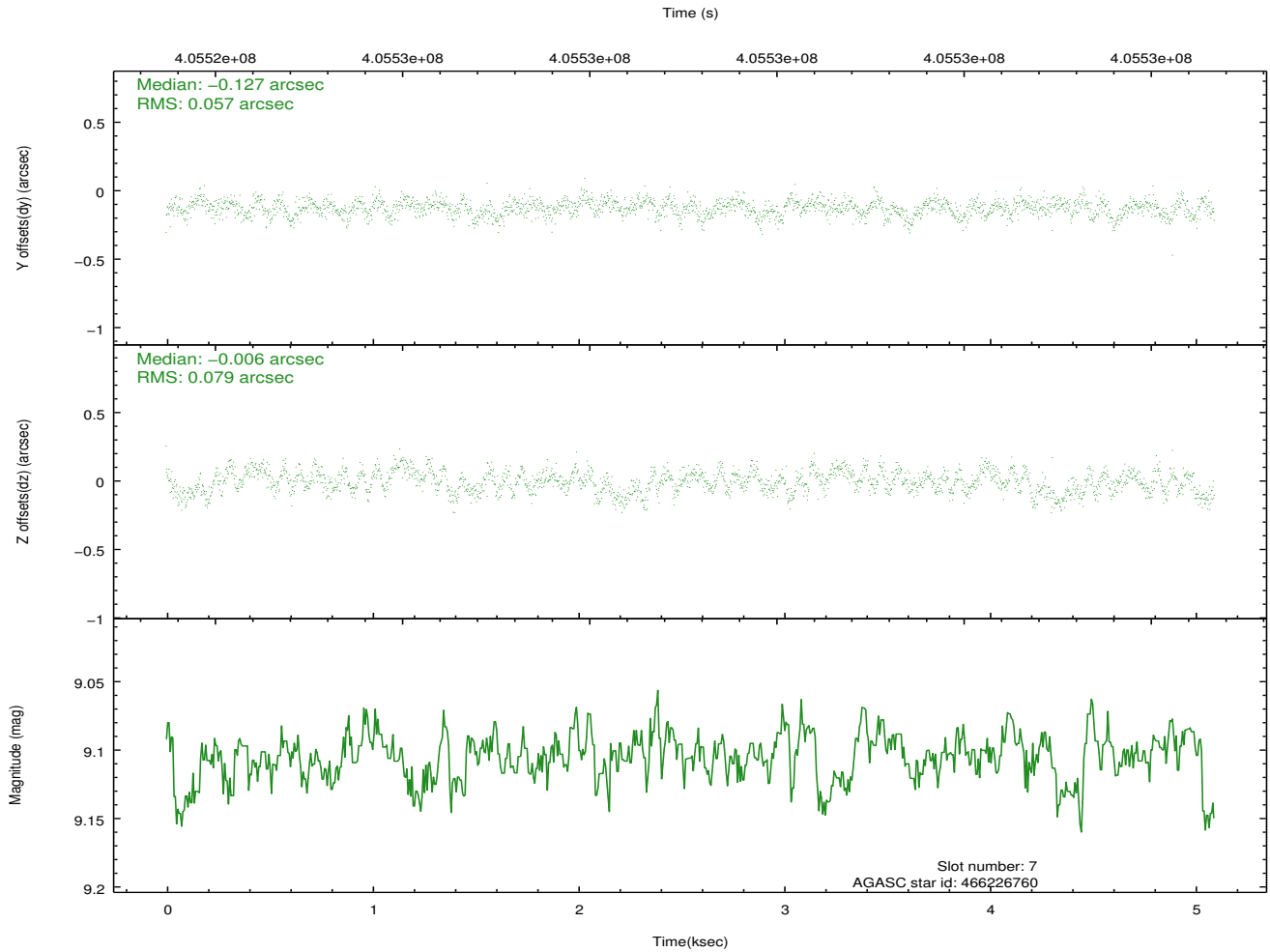
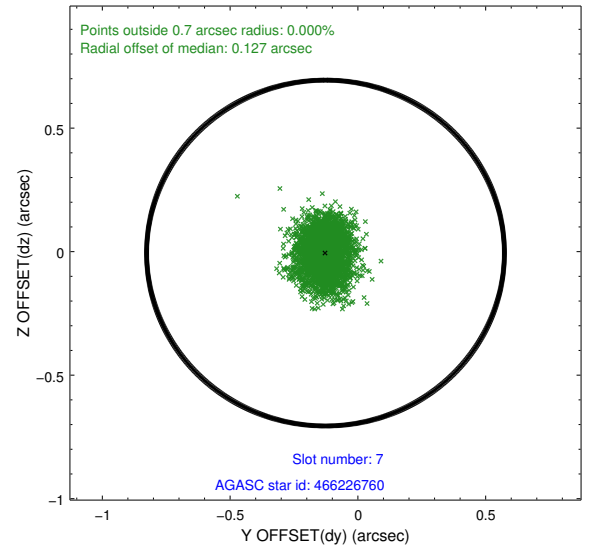
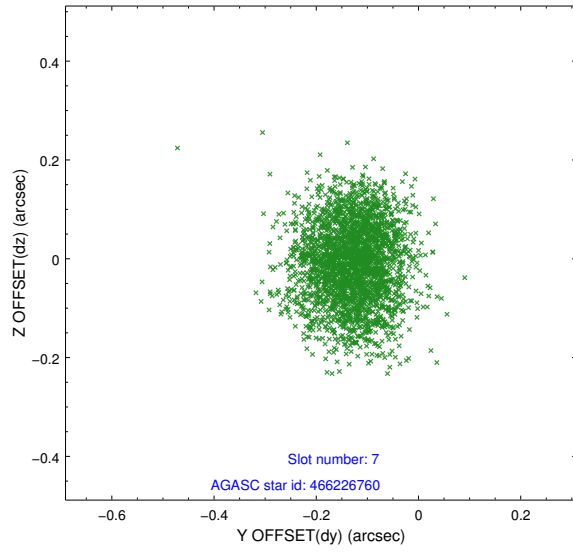
2.4.3 Slot 5



2.4.4 Slot 6

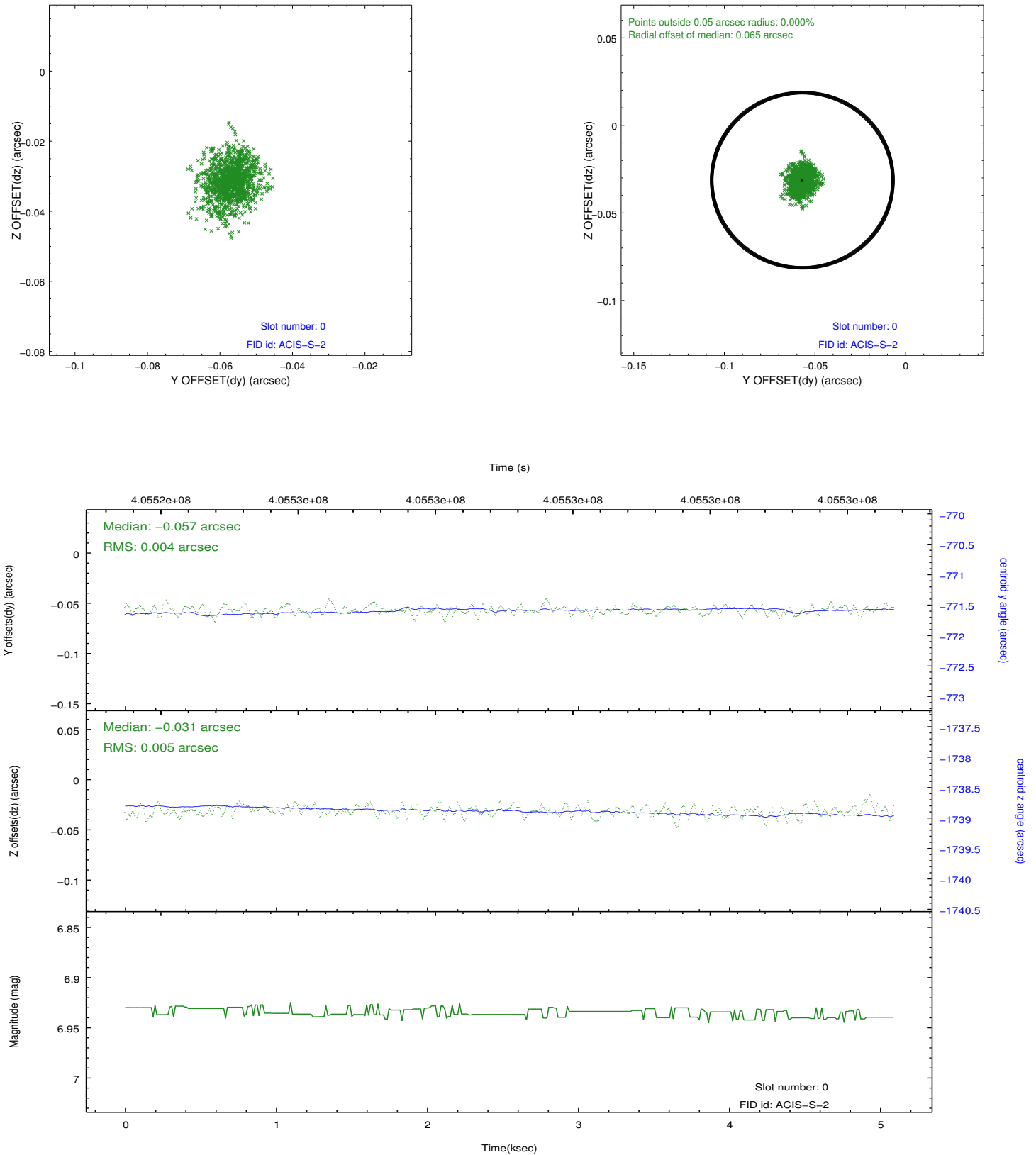


2.4.5 Slot 7

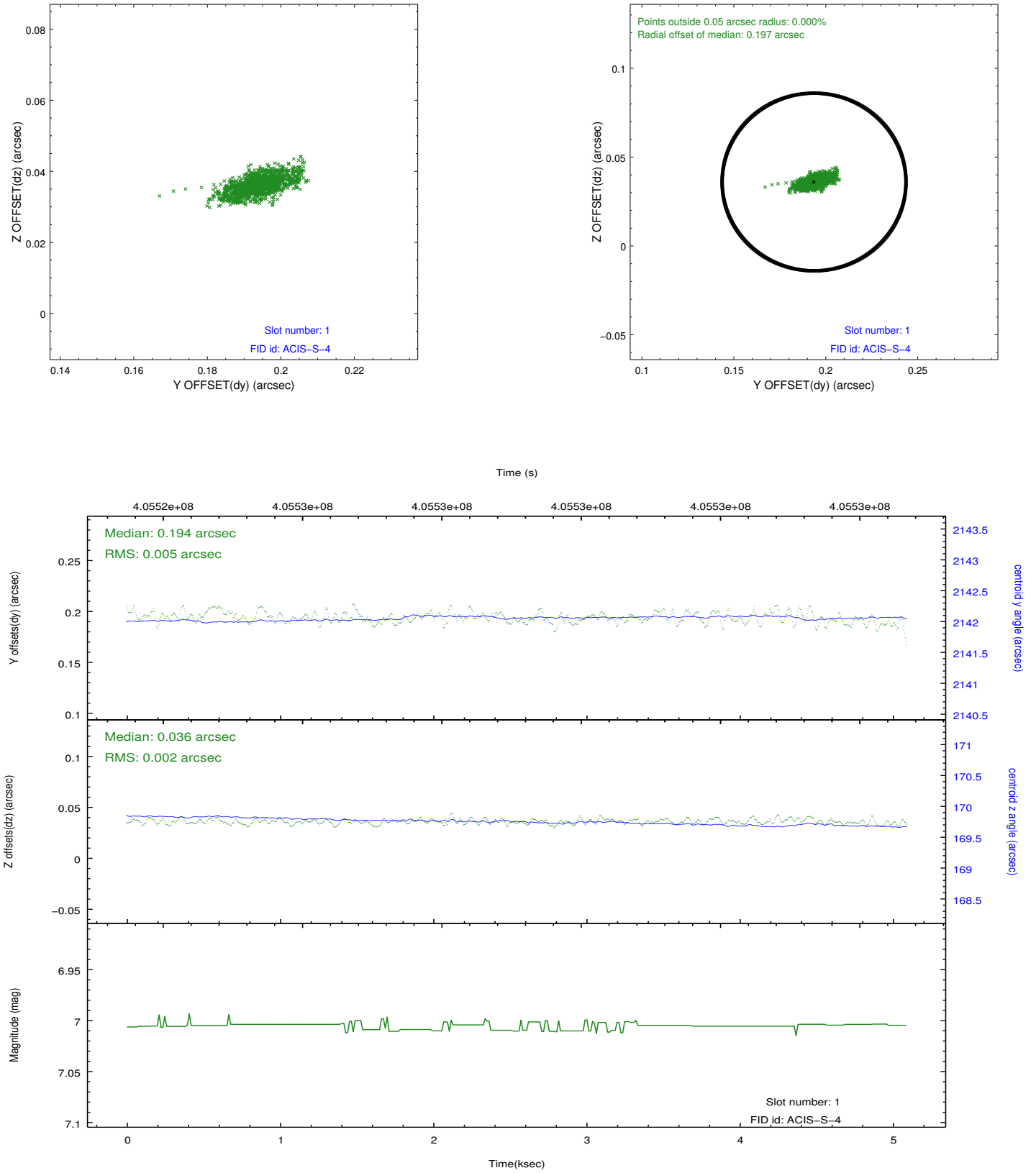


2.5 FID Slots

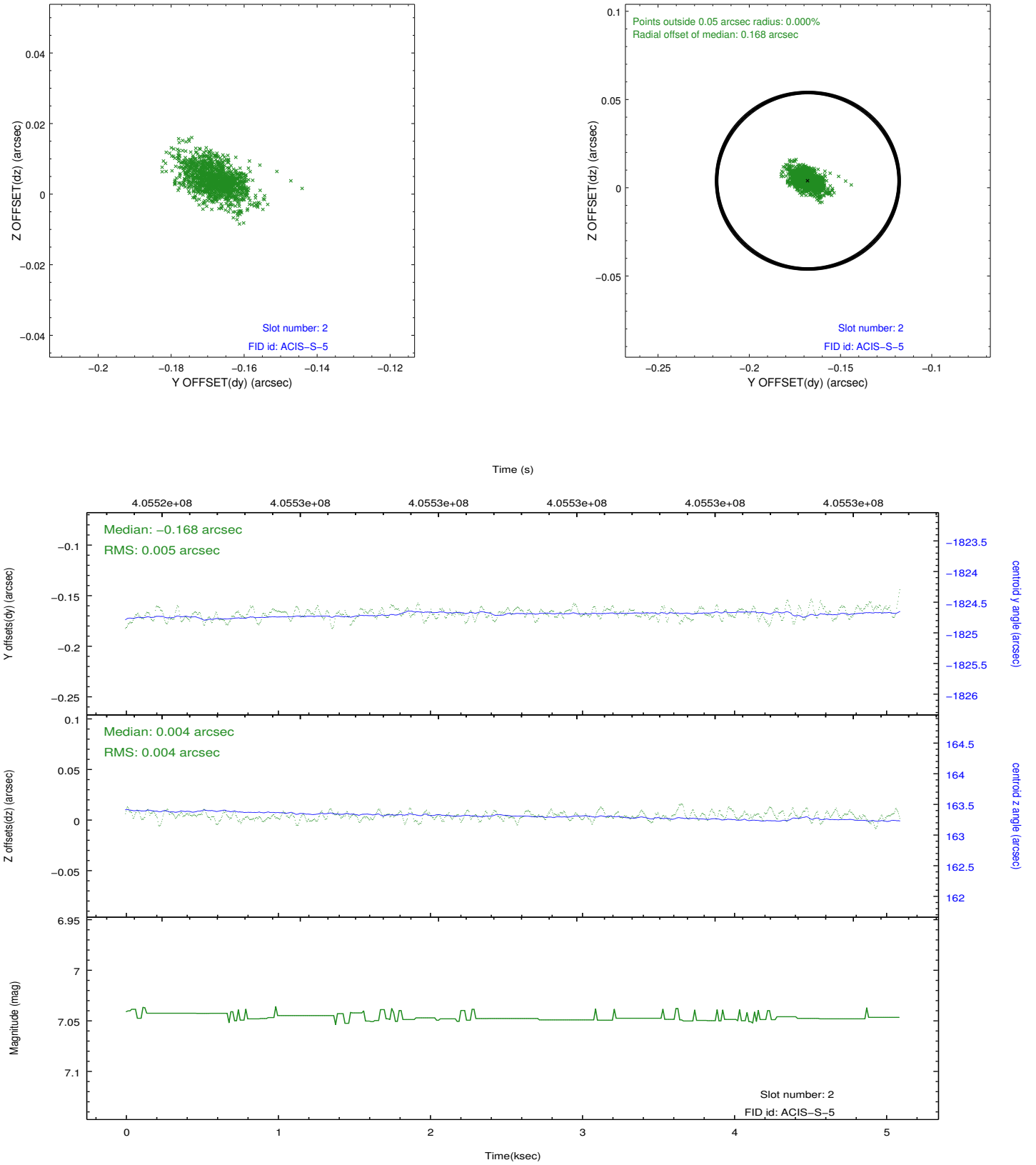
2.5.1 Slot 0



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)	2012.07.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.9615999853015

A.2 Comments