

V&V Reference Report

L2 ASCDS Version : 10.5

Observation 18287 - L2 Version 1
Chandra X-Ray Center

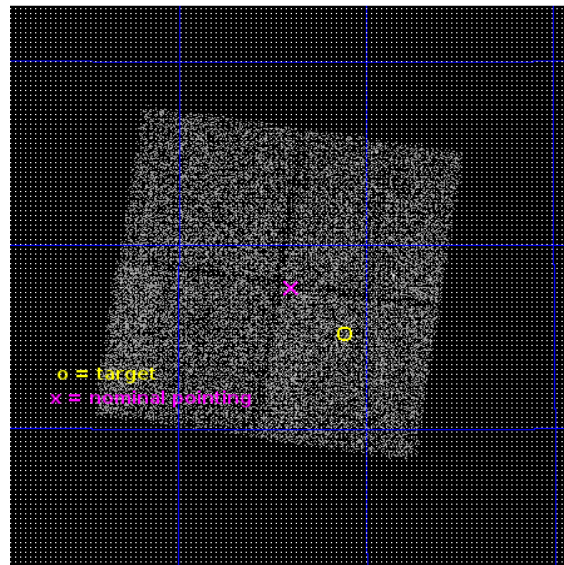
L2 Processing Date : Jul 20 2016

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1 Front

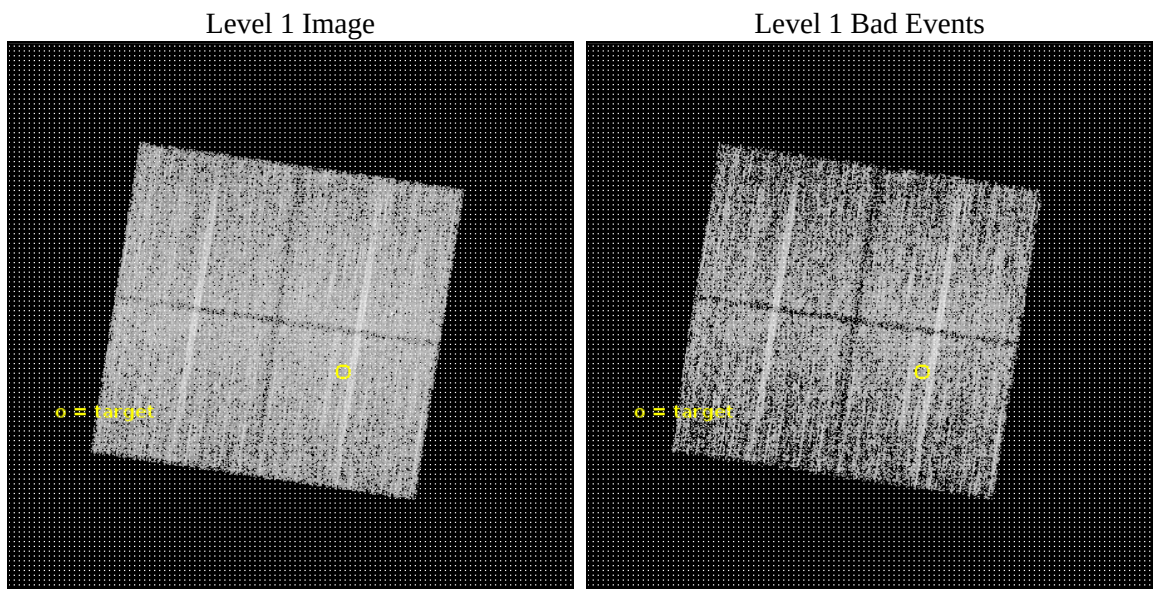
seq_num	801605	Sequence number
obs_id	18287	Observation id
title	Building a Cheap and Cheerful SZ-selected sample of galaxy clusters with the Planck Catalogue.	Proposal title
observer	Mariachiara Rossetti	Principal investigator
object	PSZ2 G138.61-10.84	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	36.778333	Observer's specified target RA [deg]
dec_targ	49.086194	Observer's specified target Dec [deg]
ra_nom	36.849714801623	Nominal RA [deg]
dec_nom	49.128201432911	Nominal Dec [deg]
roll_nom	98.672356761363	Nominal Roll [deg]
revision	1	Processing version of data
ontime	12036.673424363	Sum of GTIs [s]
livetime	11879.405424804	Livetime [s]
ontime0	12036.550304413	Sum of GTIs [s]
ontime1	12036.591344357	Sum of GTIs [s]
ontime2	12036.632384419	Sum of GTIs [s]
ontime3	12036.673424363	Sum of GTIs [s]
l2events	28805	Number of level 2 events



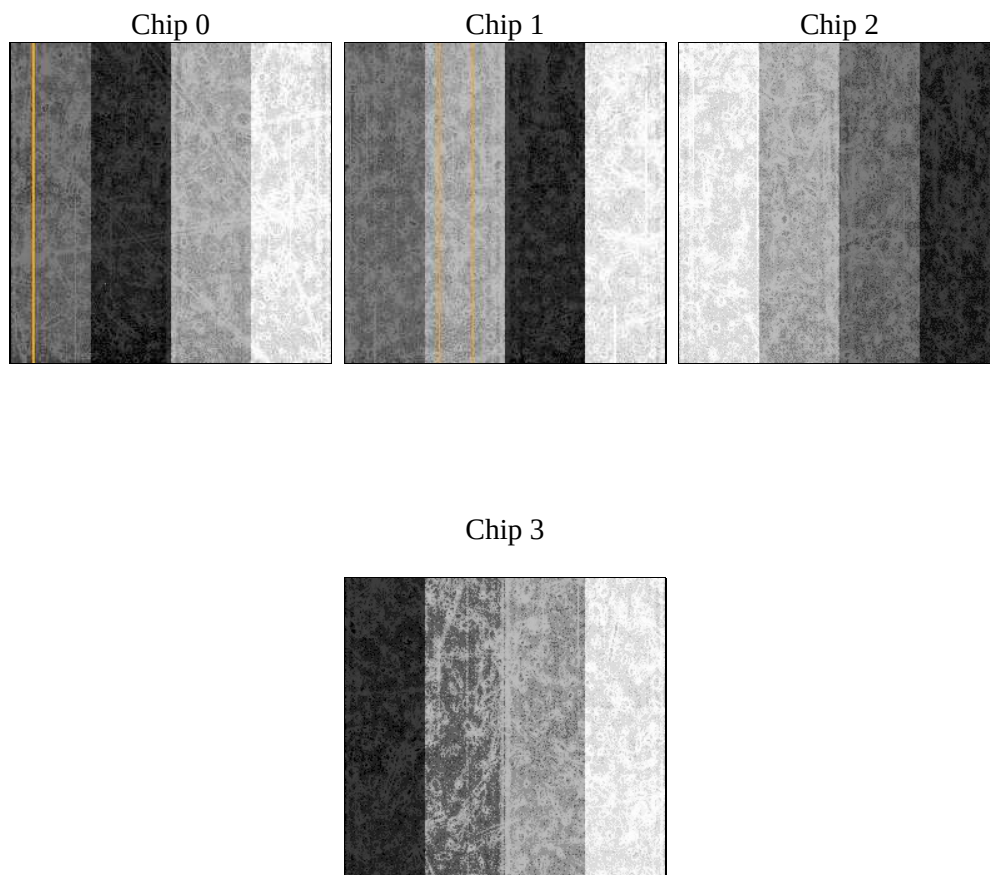
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	11952.850000	[s] Scheduled observation exposure time
ascdsver	10.5	Processing system revision	ontime	12036.673424363	Sum of GTIs [s]
caldsver	4.7.2	 	ontime0	12036.550304413	Sum of GTIs [s]
date	2016-07-20T05:17:31	Date and time of file creation	ontime1	12036.591344357	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	12036.632384419	Sum of GTIs [s]
			ontime3	12036.673424363	Sum of GTIs [s]
			l1events	286021	Number of level 1 events

2.1.4 Events

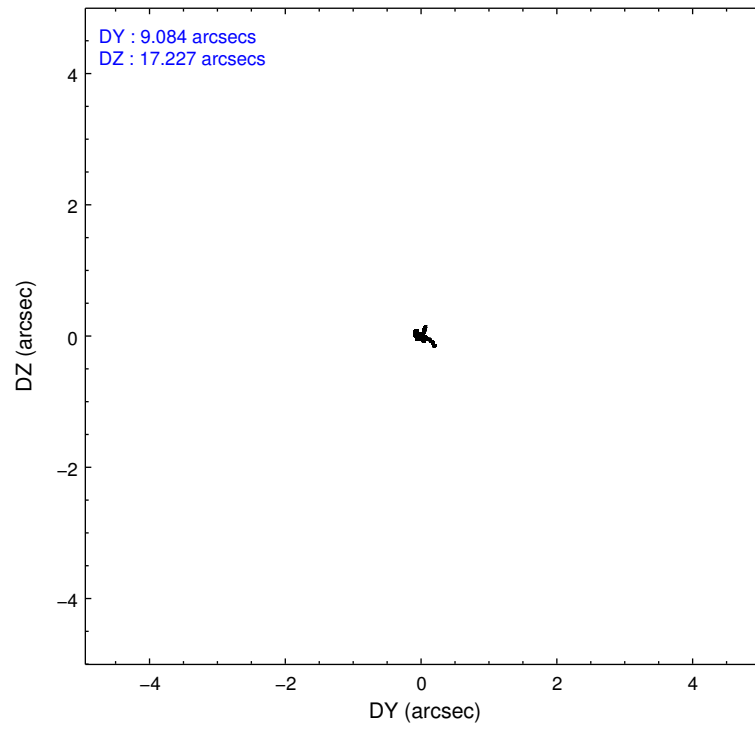
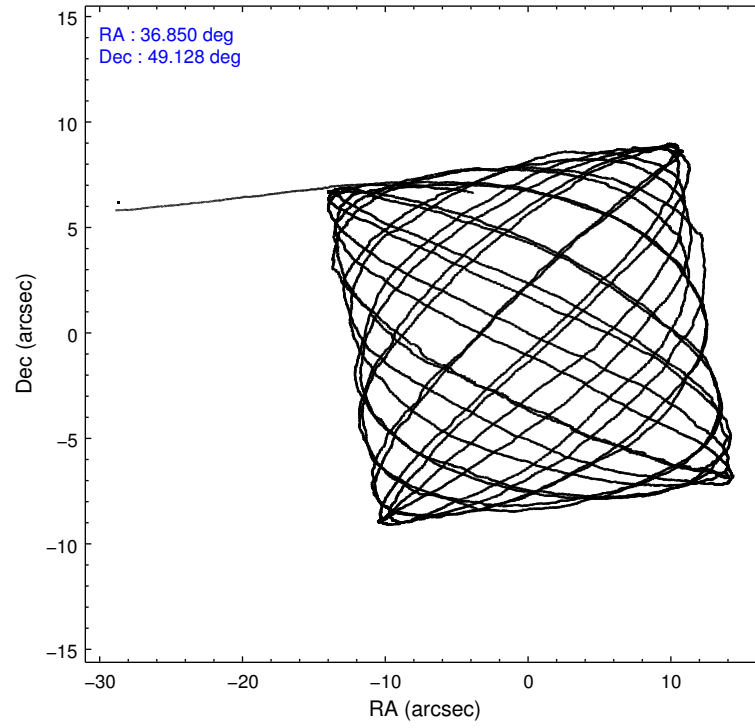
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	66525	68891	77330	73275
rejected events	58099	59793	68855	64785
rejected %	87%	86%	89%	88%

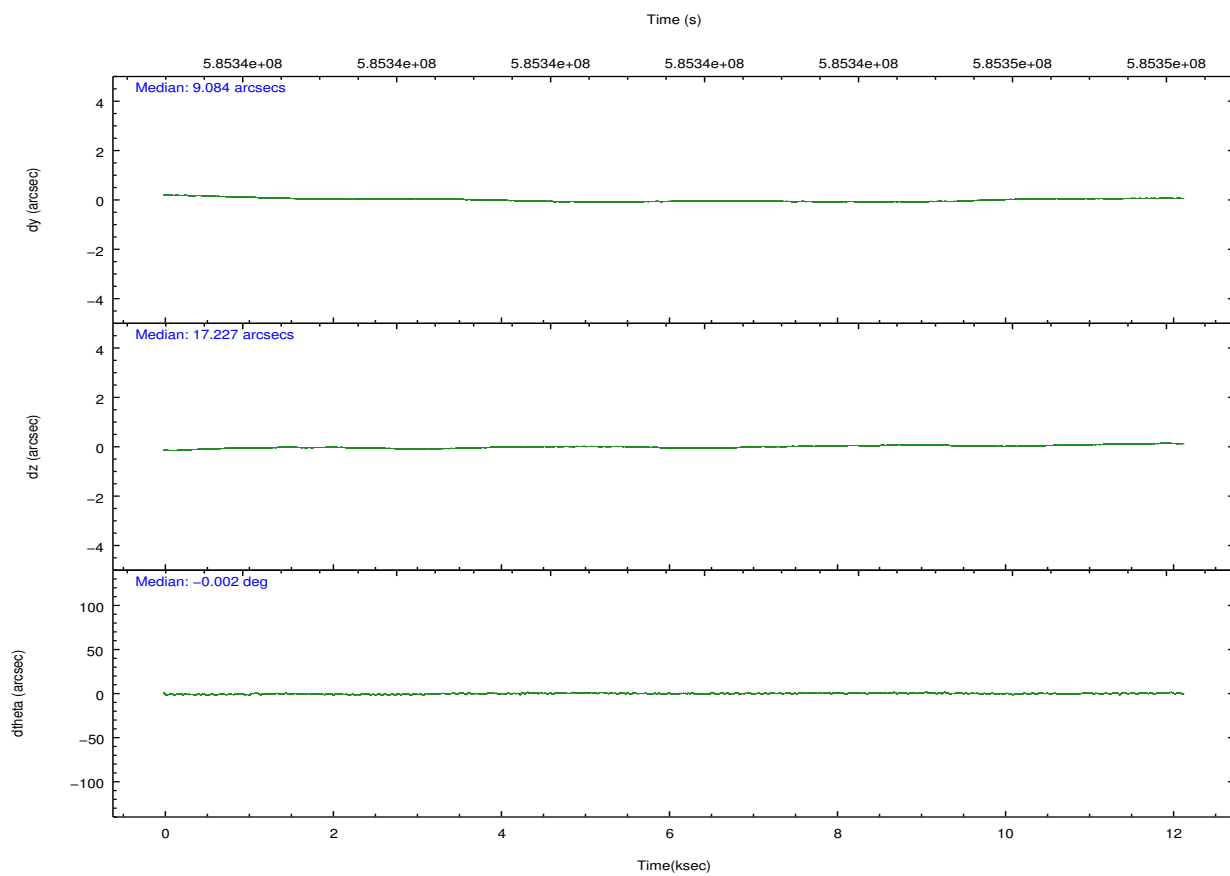
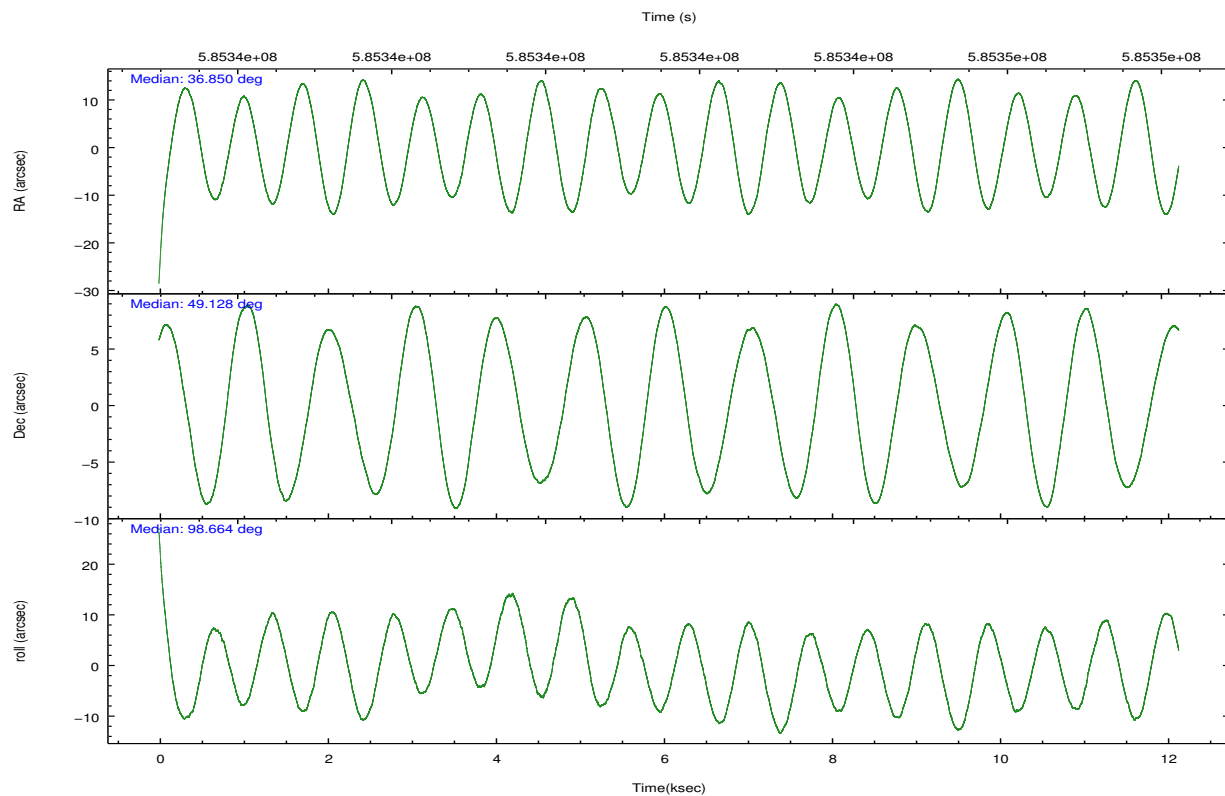
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	2883	3013	2952	3235
	4%	4%	3%	4%
grade 1 events	40	34	48	47
	0%	0%	0%	0%
grade 2 events	2091	2242	2153	1759
	3%	3%	2%	2%
grade 3 events	939	866	834	890
	1%	1%	1%	1%
grade 4 events	801	901	901	818
	1%	1%	1%	1%
grade 5 events	3350	3387	3255	3774
	5%	4%	4%	5%
grade 6 events	1718	2081	1637	1792
	2%	3%	2%	2%
grade 7 events	54703	56367	65550	60960
	82%	81%	84%	83%

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	36.876221	36.84971480162348	Subarray requested	NONE	NONE
[deg] Pointing Dec	49.106691	49.12820143291107	Alternating exposures requested	N	N
[deg] Pointing Roll	98.443637	98.67235676136258	[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)	585335718.184000	585334575.57794			
Observation start date	2016-07-19T17:14:10	2016-07-19T16:56:15			
[s] Observation end time (MET)	585347671.184000	585347902.6287			
Observation end date	2016-07-19T20:33:23	2016-07-19T20:38:22			
Read mode	TIMED	TIMED			

2.3 Aspect



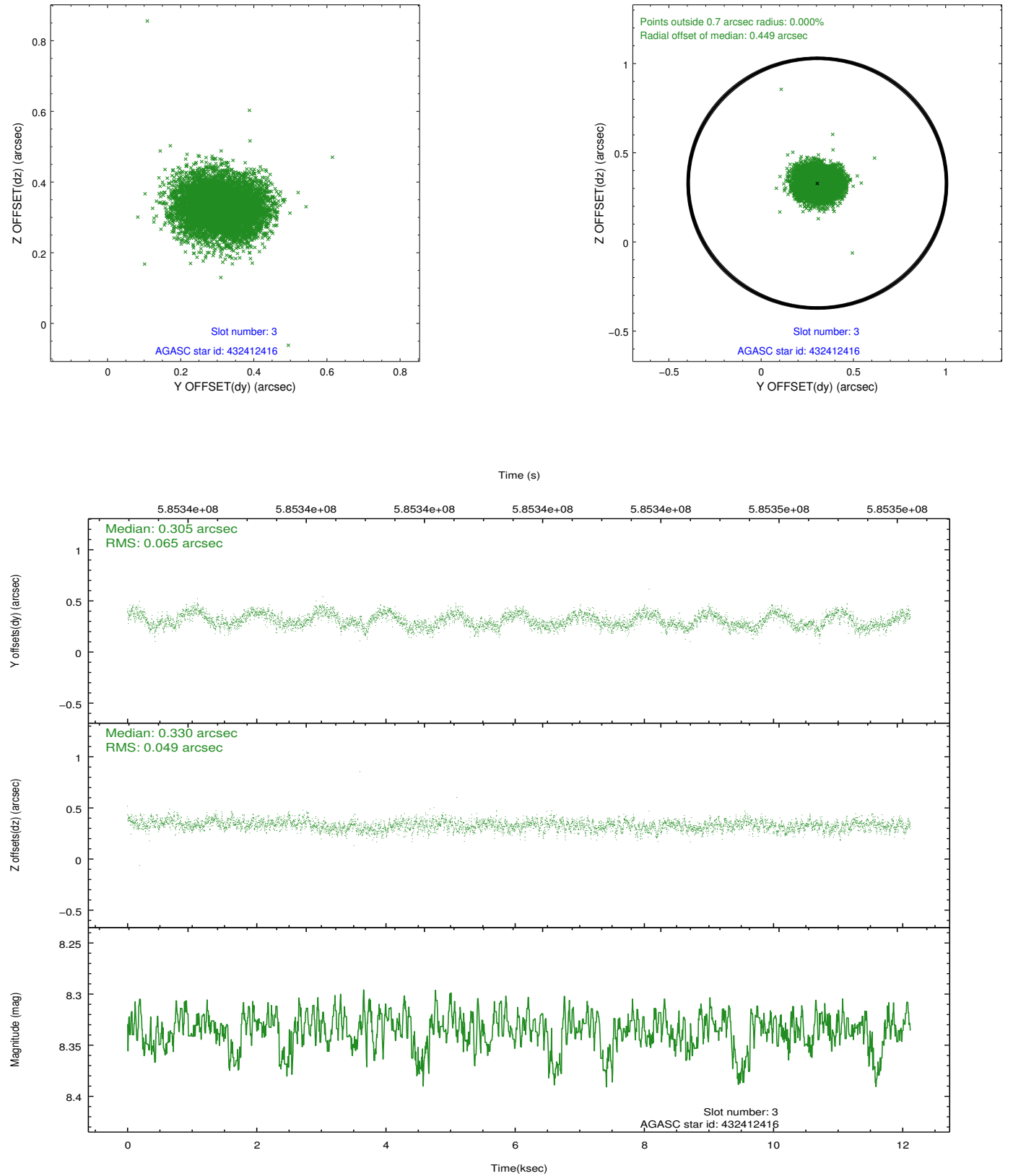


Slot Statistics

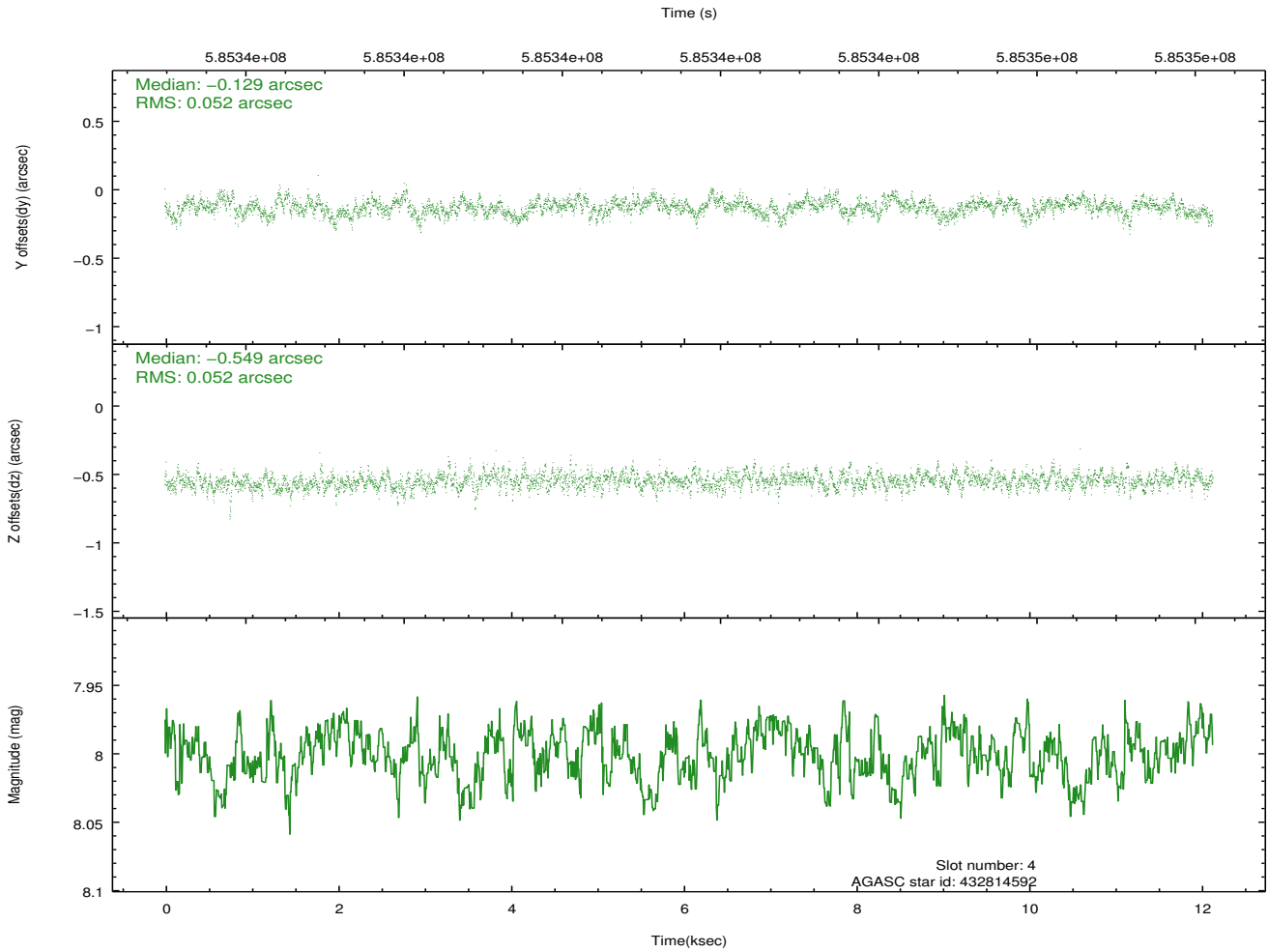
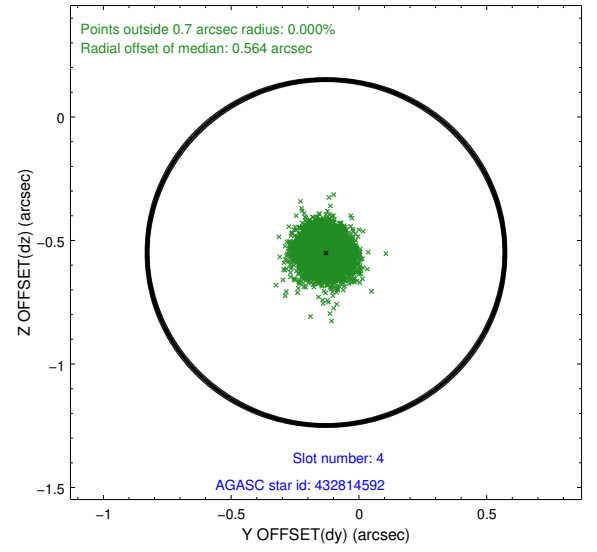
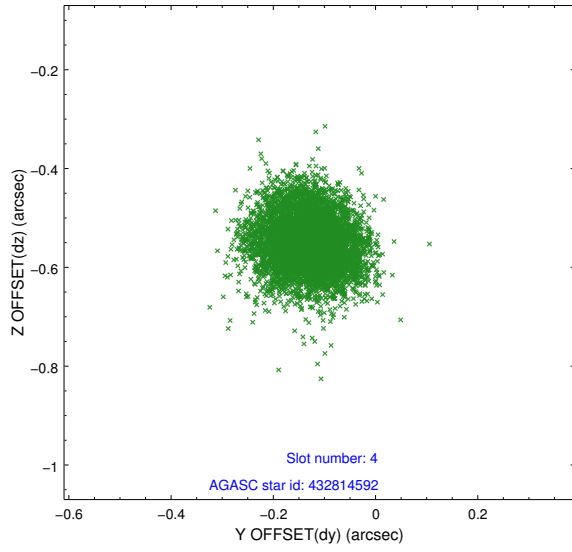
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.25	2961	0.119	-0.071	0.009	0.016	0.000000	0.000000	930.65	-840.96
1	FID		ACIS-I-5	7.23	2961	-0.308	0.092	0.007	0.013	0.000000	0.000000	-1817.66	1056.48
2	FID		ACIS-I-6	7.24	2961	0.099	0.051	0.008	0.013	0.000000	0.000000	395.73	1701.41
3	GUIDE	used	432412416	8.33	5913	0.305	0.330	0.087	0.135	37.198047	48.506823	-2246.72	-442.37
4	GUIDE	used	432814592	8.00	5920	-0.129	-0.549	0.079	0.128	35.963592	48.914386	-355.62	2234.82
5	GUIDE	used	432939472	8.70	5921	0.302	0.555	0.085	0.136	37.753063	48.826473	-1290.53	-1908.45
6	GUIDE	used	432944024	7.62	5922	-0.255	0.205	0.062	0.104	37.208976	49.611334	1684.54	-1034.69
7	GUIDE	used	432809256	7.49	5919	-0.223	-0.542	0.089	0.140	35.855449	49.182034	636.89	2333.15

2.4 Star Slots

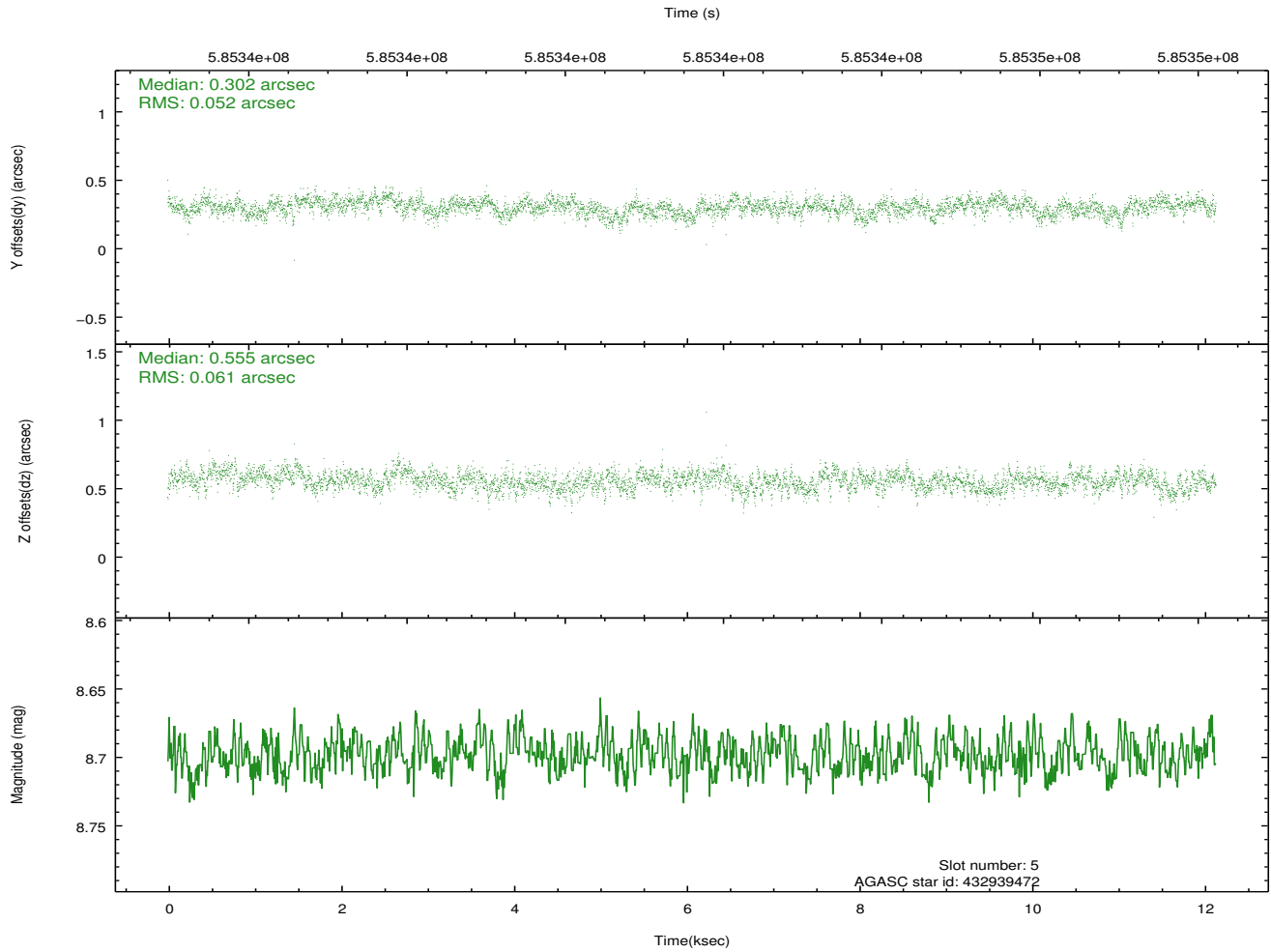
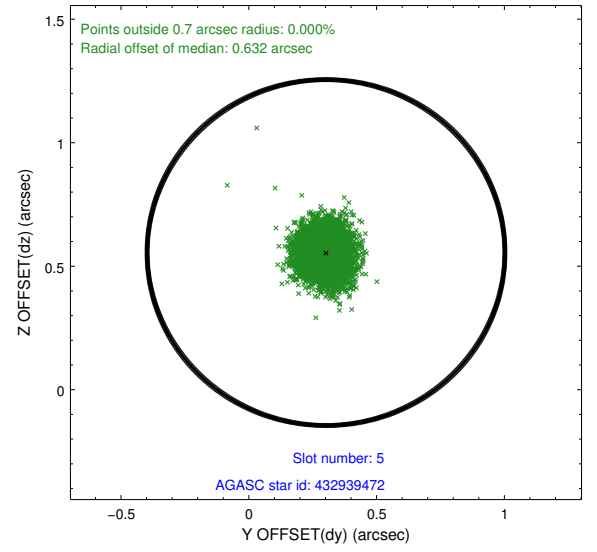
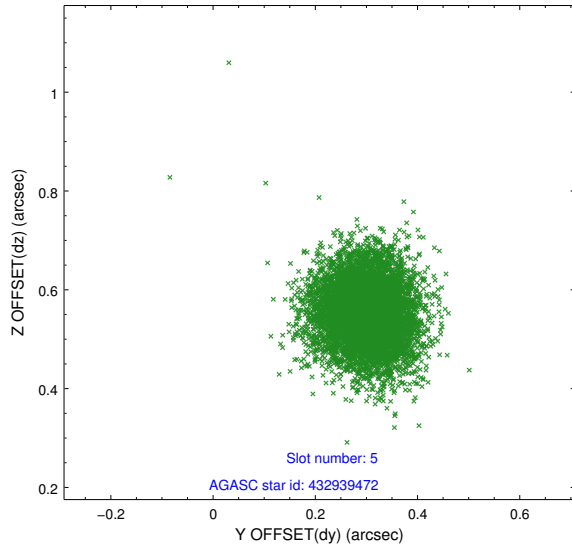
2.4.1 Slot 3



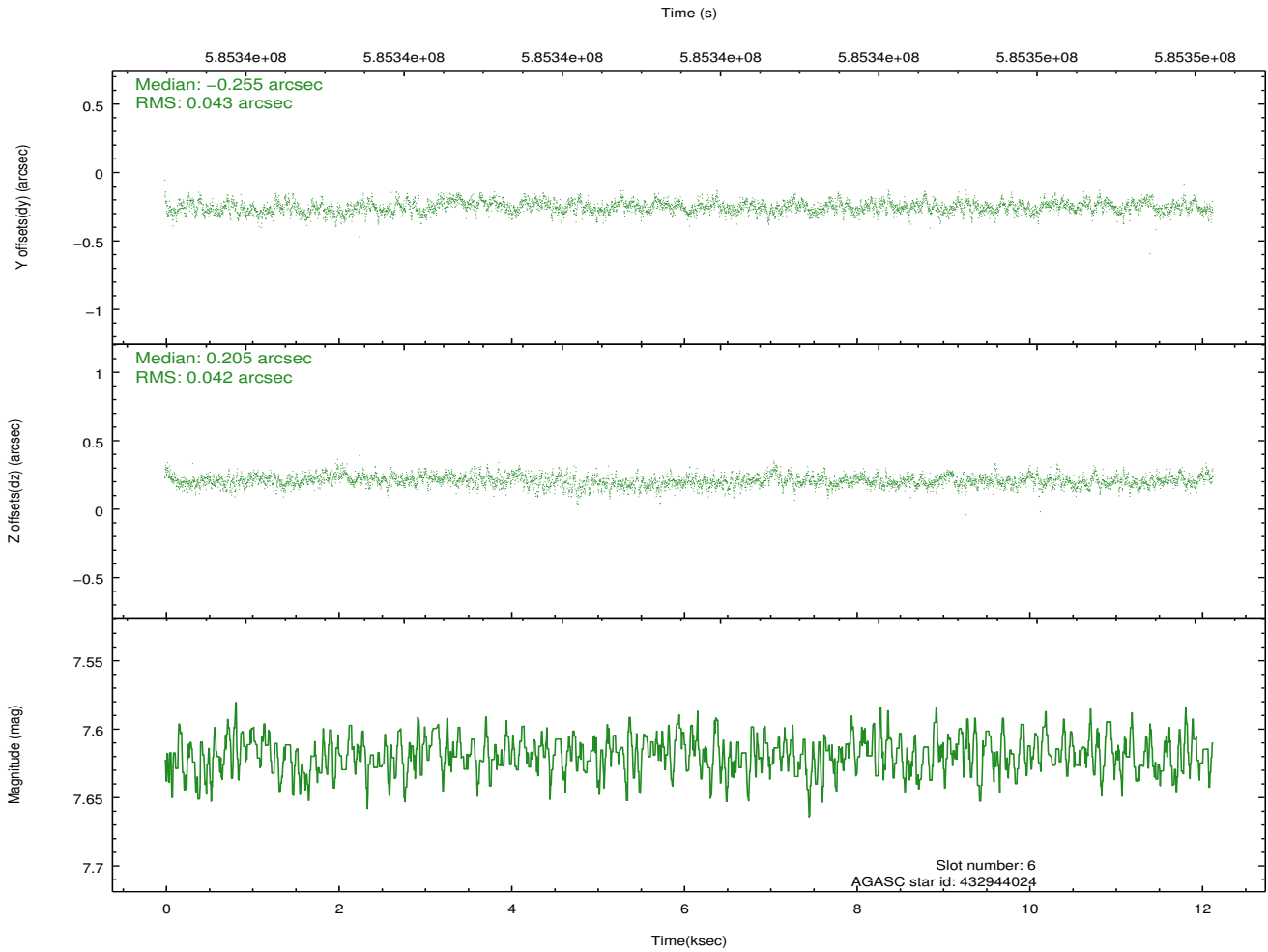
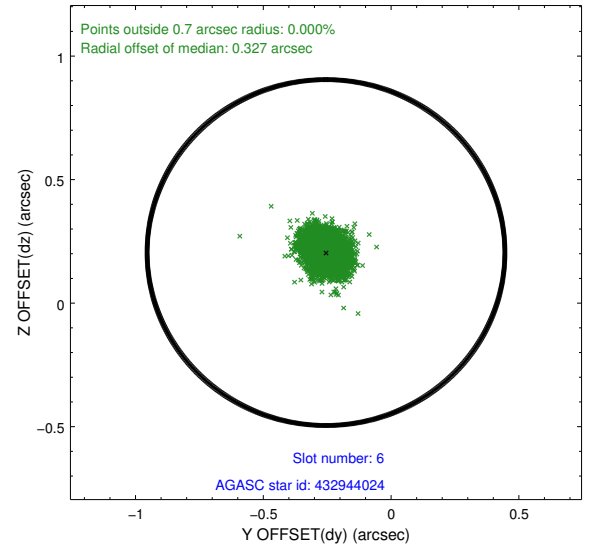
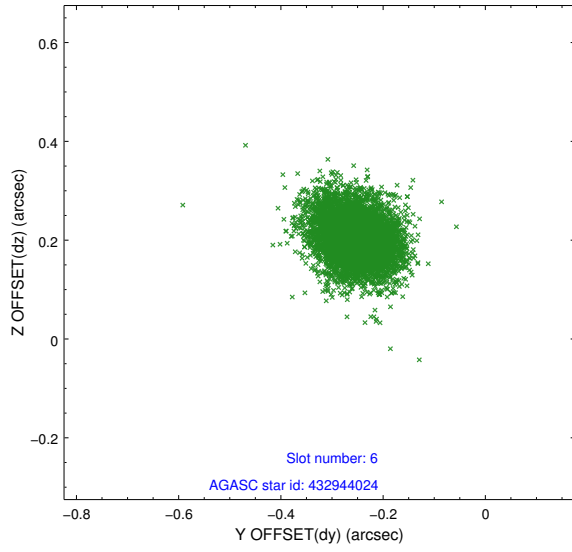
2.4.2 Slot 4



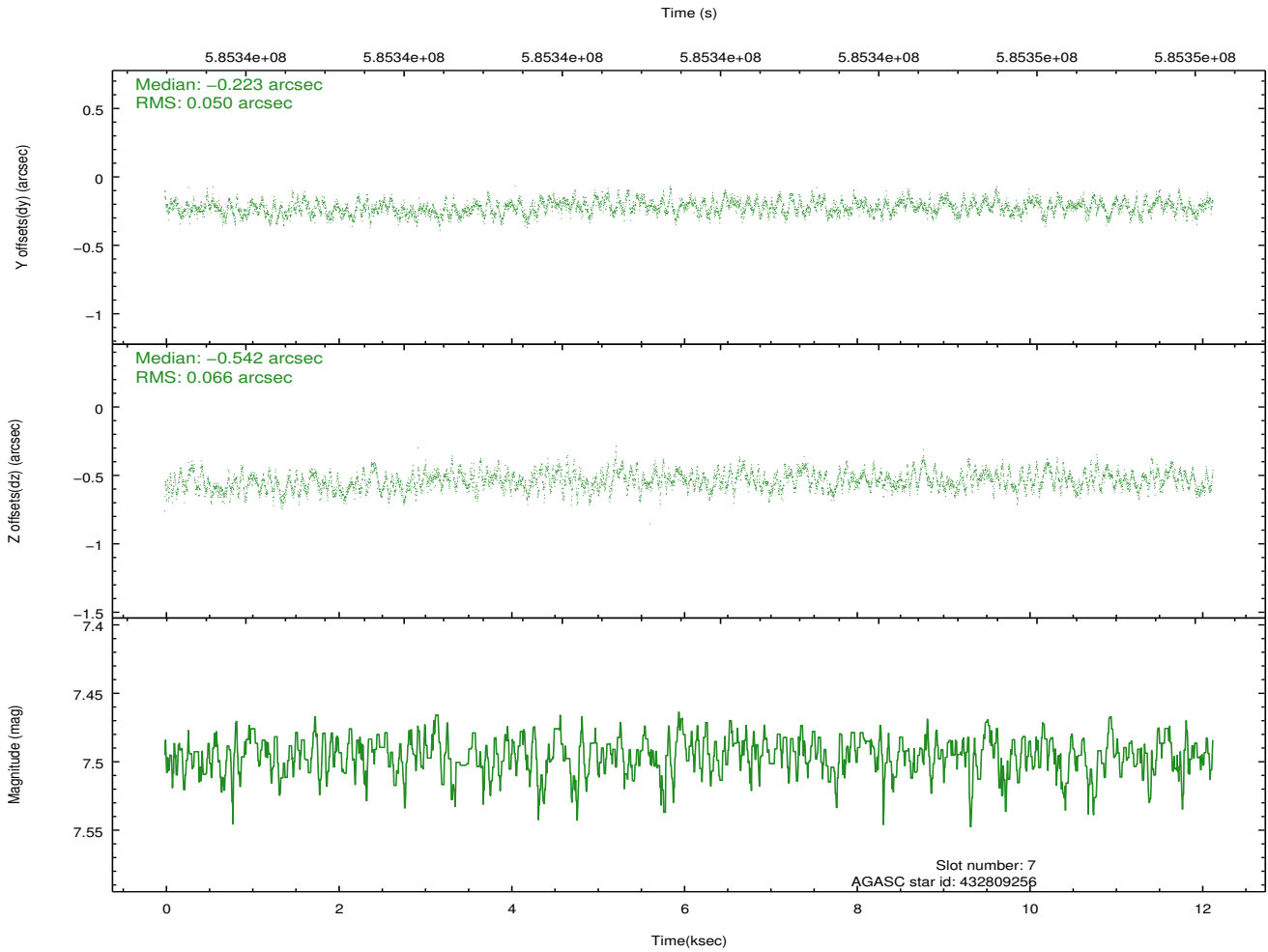
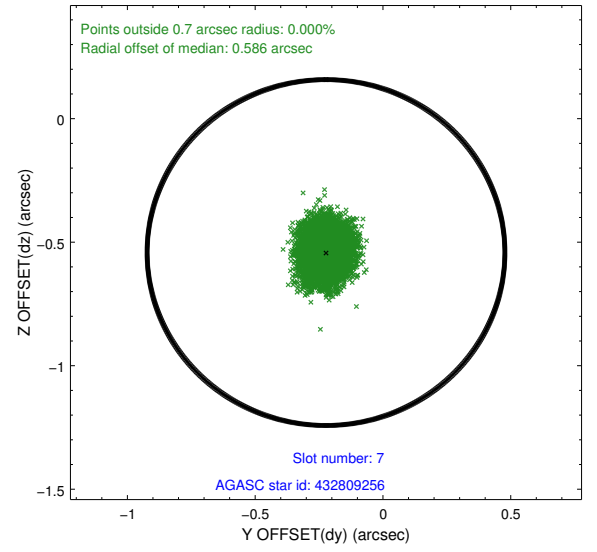
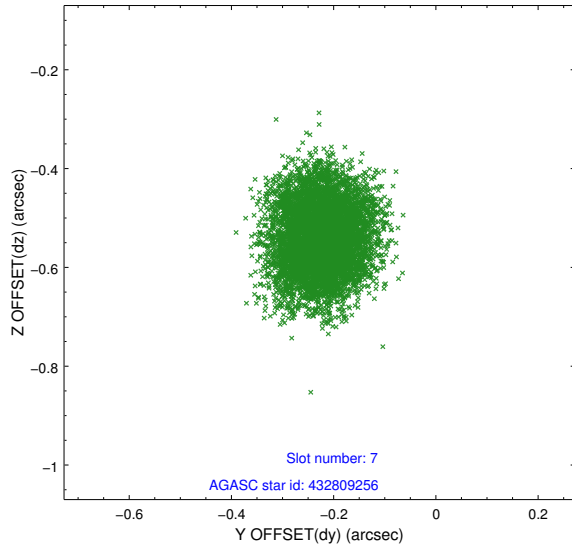
2.4.3 Slot 5



2.4.4 Slot 6

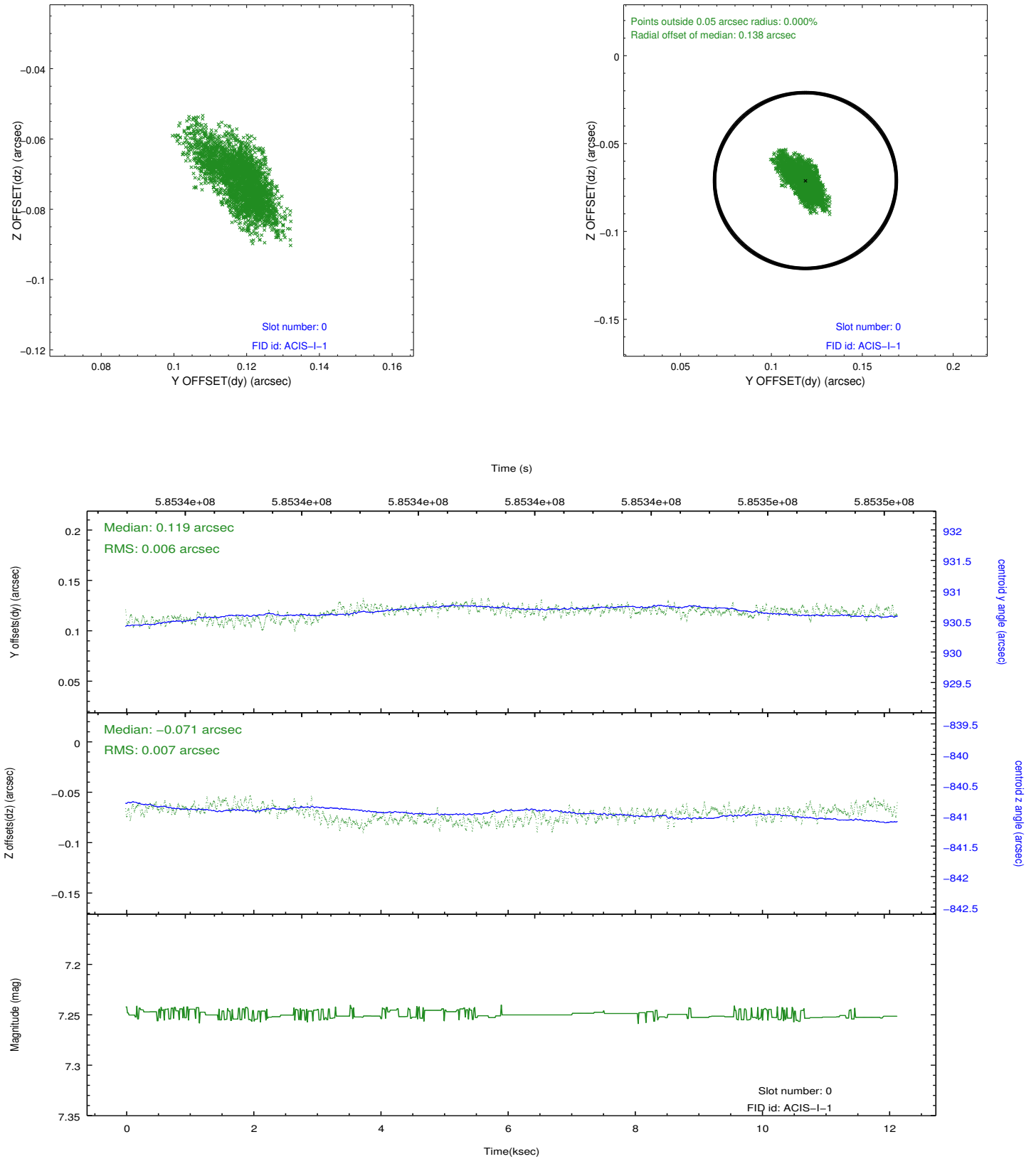


2.4.5 Slot 7

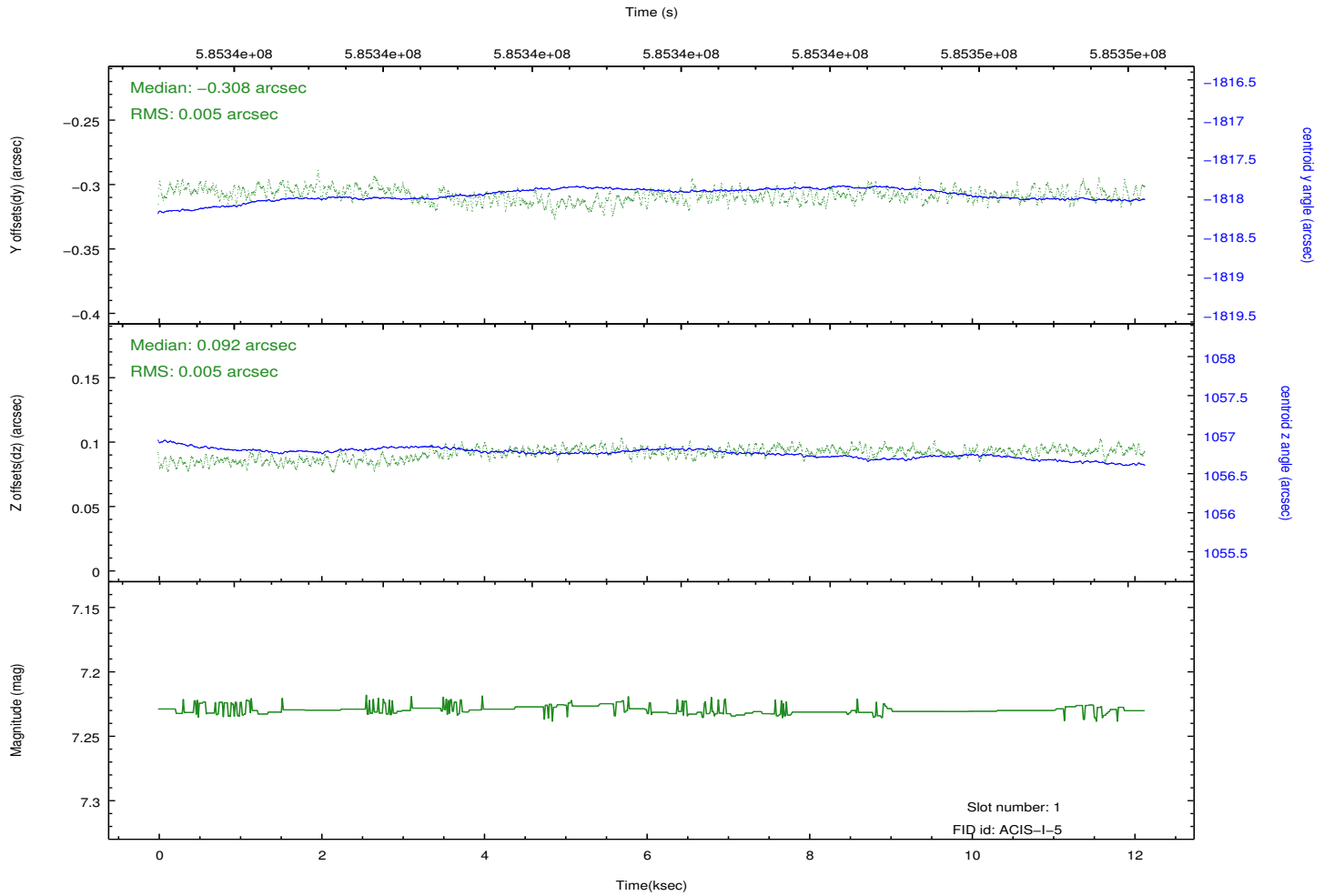
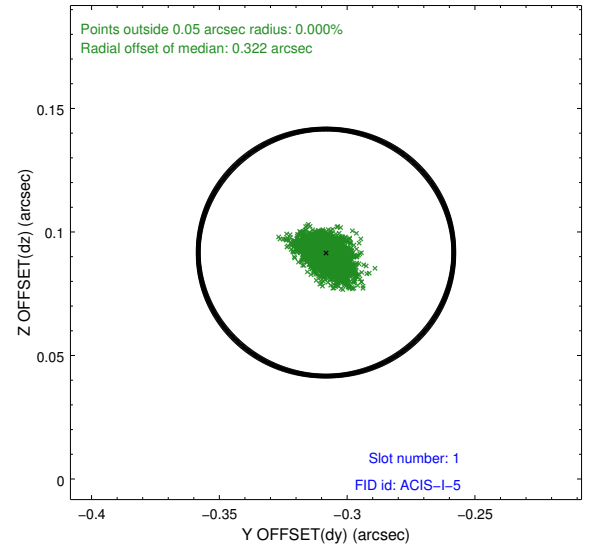
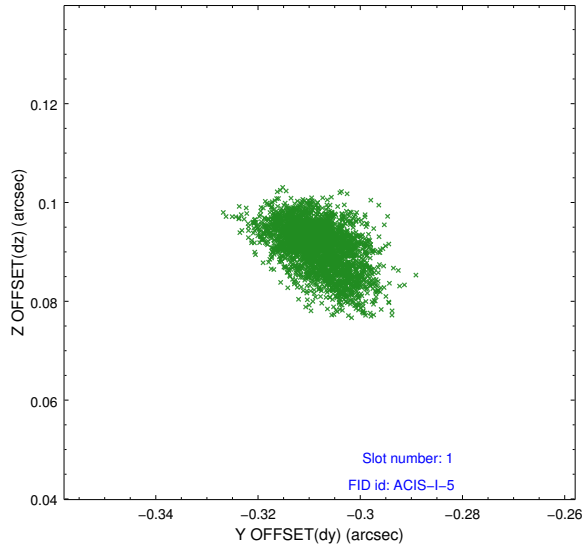


2.5 FID Slots

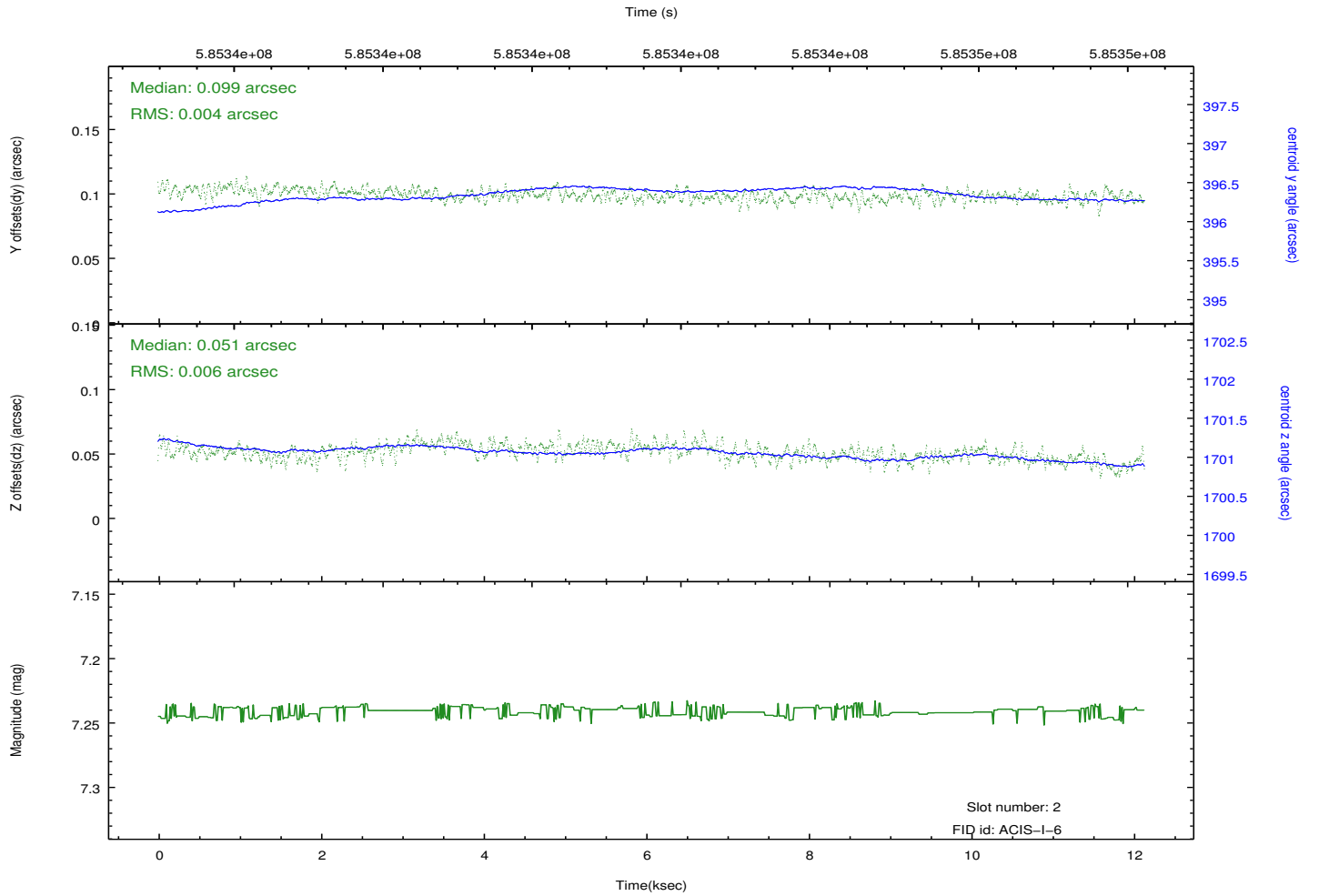
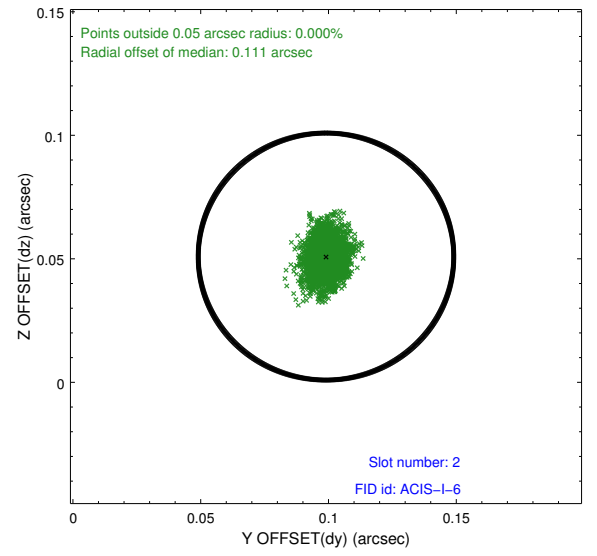
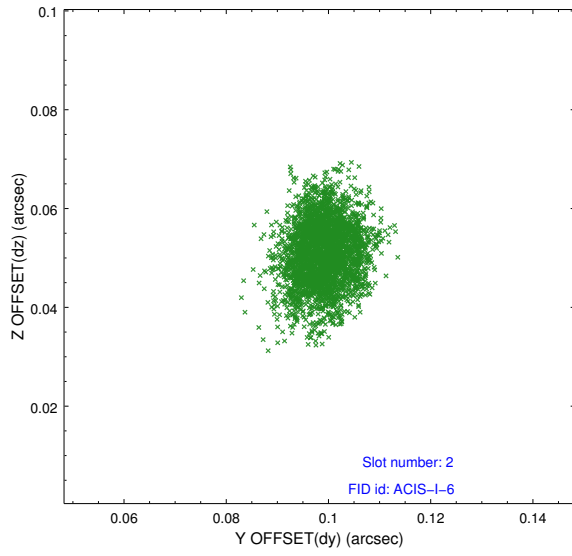
2.5.1 Slot 0



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)	2016.07.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.036673424363

A.2 Comments