

V&V Reference Report

L2 ASCDS Version : 10.3.1

Observation 16269 - L2 Version 1
Chandra X-Ray Center

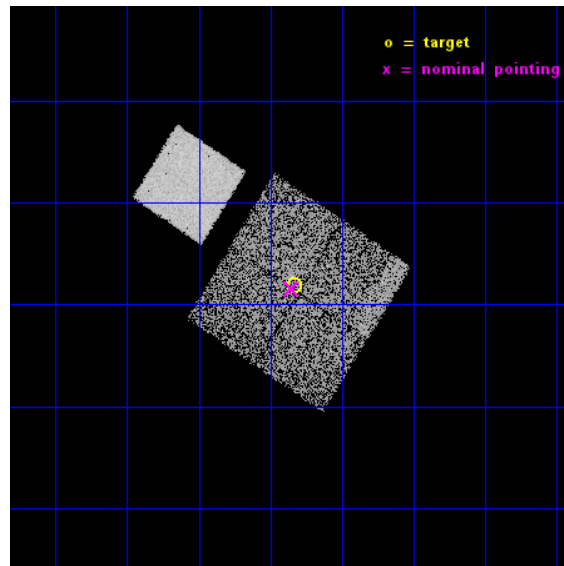
L2 Processing Date : Dec 22 2014

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1 Front

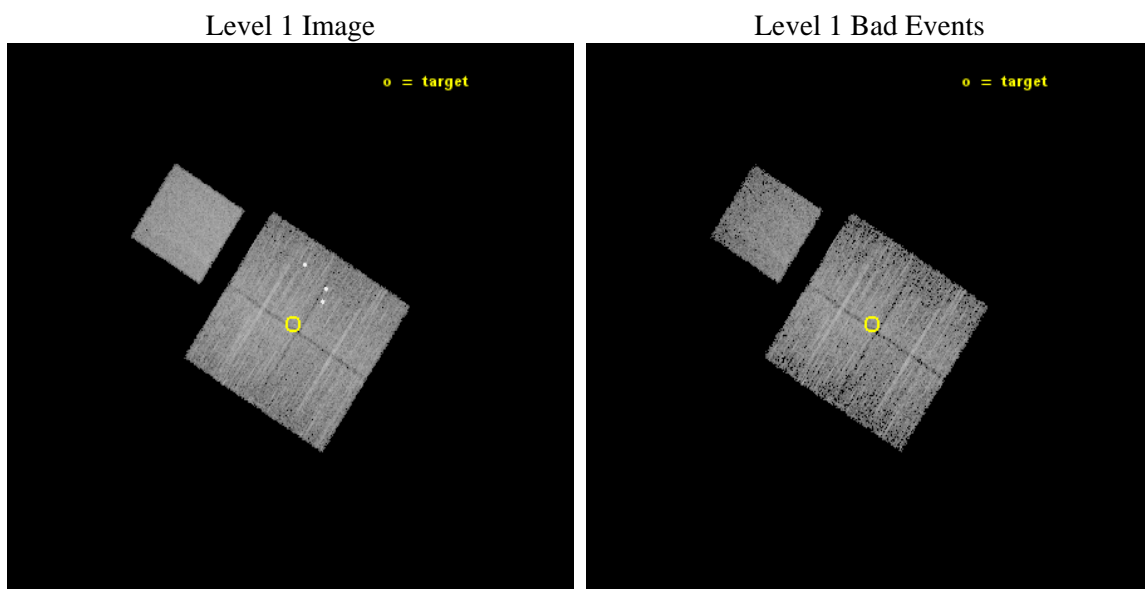
seq_num	703013	Sequence number
obs_id	16269	Observation id
title	X-ray Properties of Selected SDSS Stripe 82 Red Quasars	Proposal t
observer	Dr. Stephen Murray	Principal investigator
object	J205449.61+004153.0	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	313.707083	Observer's specified target RA [deg]
dec_targ	0.698083	Observer's specified target Dec [deg]
ra_nom	313.71333138897	Nominal RA [deg]
dec_nom	0.69280900030046	Nominal Dec [deg]
roll_nom	302.78177246221	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8063.059101522	Sum of GTIs [s]
livetime	7957.7092984228	Livetime [s]
ontime0	8066.2000620365	Sum of GTIs [s]
ontime1	8063.059101522	Sum of GTIs [s]
ontime2	8066.2000620365	Sum of GTIs [s]
ontime3	8063.059101522	Sum of GTIs [s]
ontime7	8066.2000620365	Sum of GTIs [s]
l2events	44158	Number of level 2 events



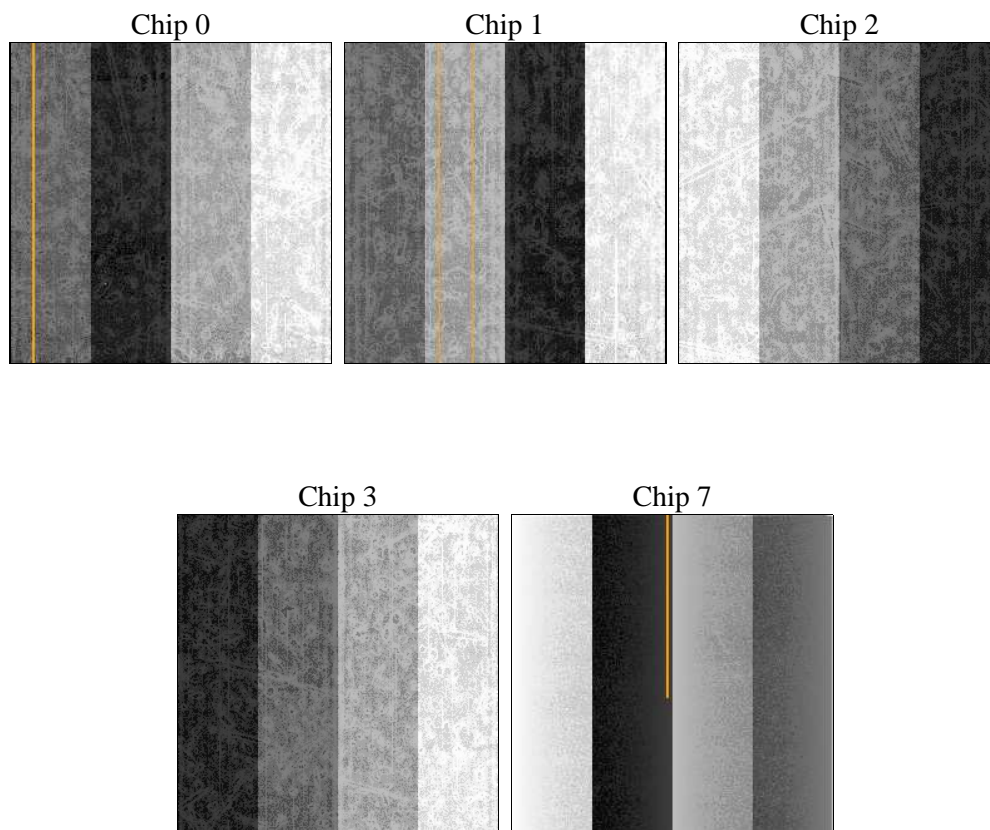
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8000.000000	[s] Scheduled observation exposure time
ascdsver	10.3.1	Processing system revision	ontime	8063.059101522	Sum of GTIs [s]
caldbver	4.6.5	 	ontime0	8066.2000620365	Sum of GTIs [s]
date	2014-12-22T11:49:43	Date and time of file creation	ontime1	8063.059101522	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	8066.2000620365	Sum of GTIs [s]
			ontime3	8063.059101522	Sum of GTIs [s]
			ontime7	8066.2000620365	Sum of GTIs [s]
			l1events	237316	Number of level 1 events

2.1.4 Events

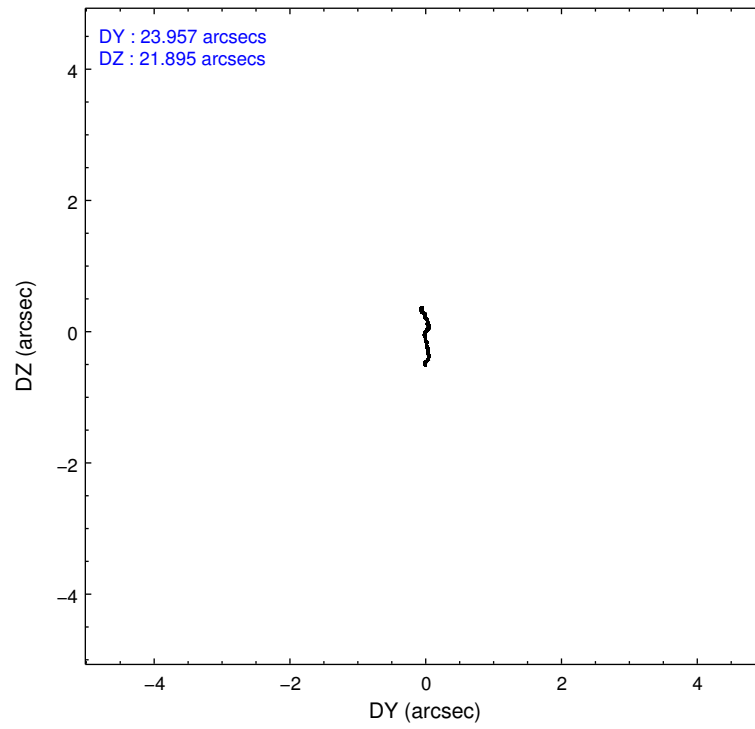
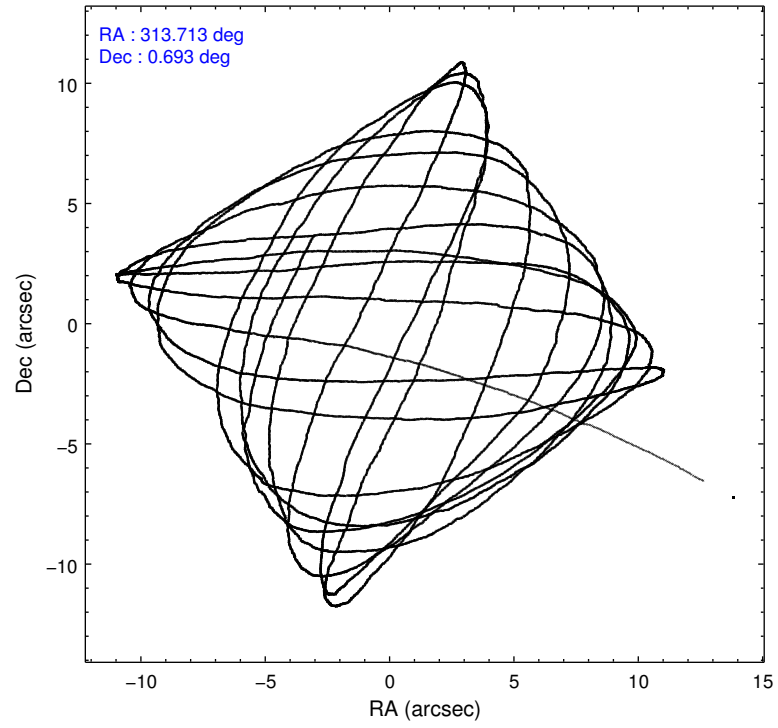
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	37860	47235	48567	45742	57912
rejected events	31466	36064	42012	38071	31582
rejected %	83%	76%	86%	83%	54%

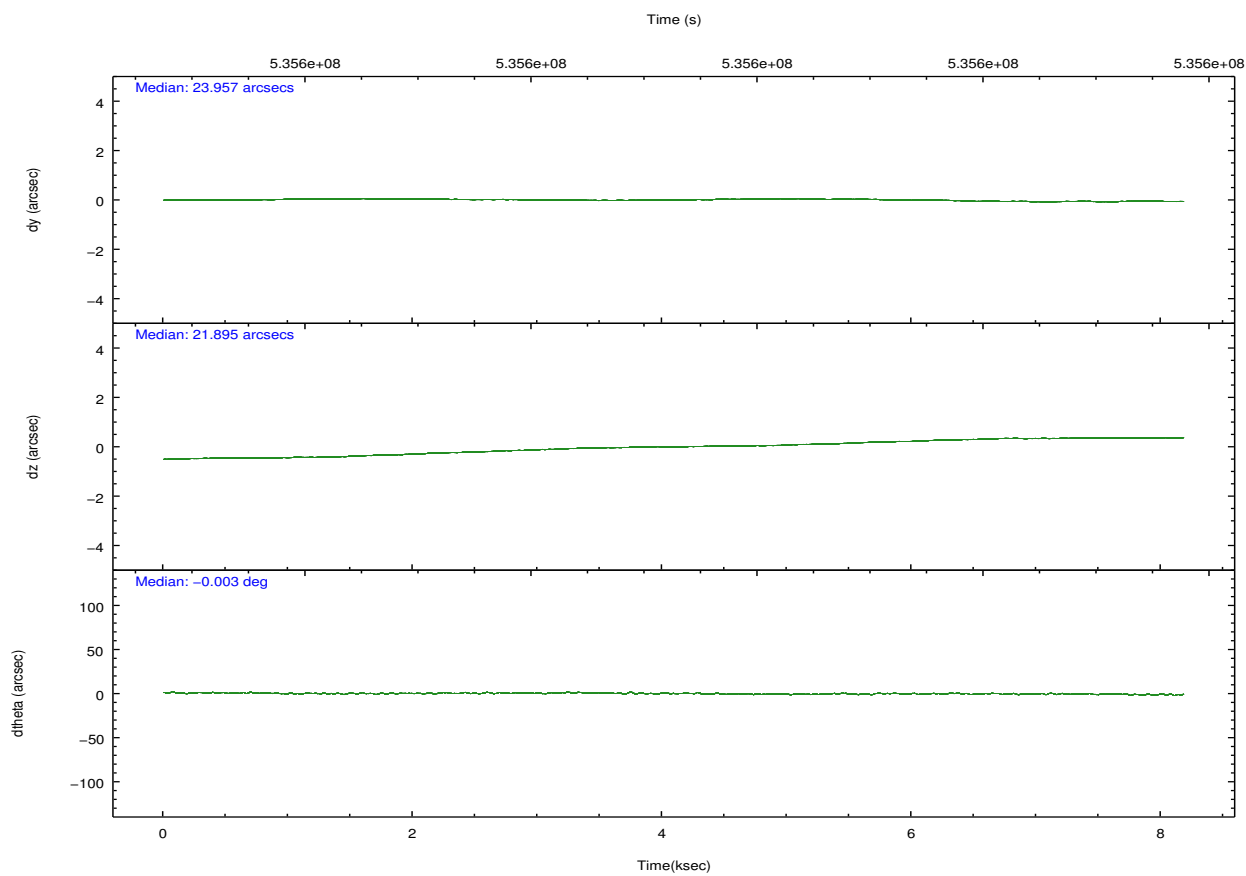
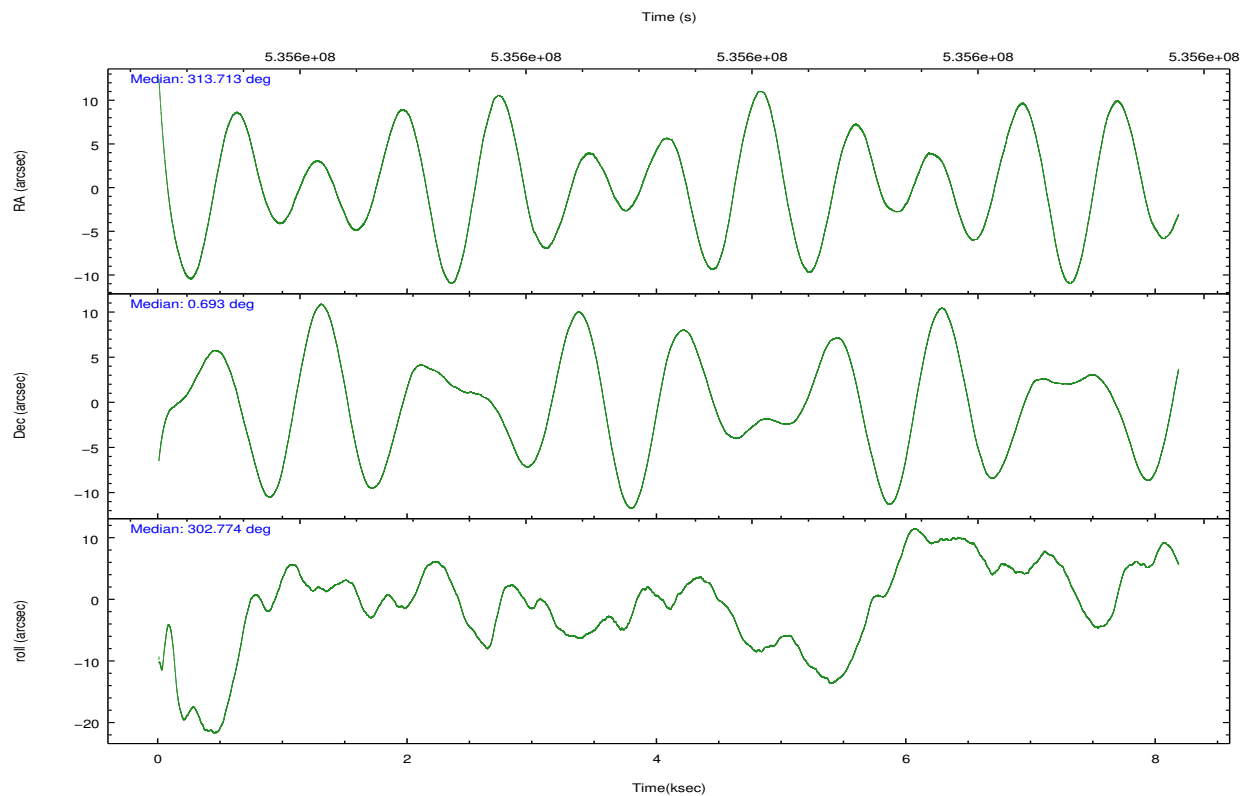
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	2875	7191	2824	4654	2426
	7%	15%	5%	10%	4%
grade 1 events	36	48	42	45	114
	0%	0%	0%	0%	0%
grade 2 events	1576	1734	1611	1103	5909
	4%	3%	3%	2%	10%
grade 3 events	504	547	479	493	2241
	1%	1%	0%	1%	3%
grade 4 events	440	504	716	471	2230
	1%	1%	1%	1%	3%
grade 5 events	1708	1866	1728	1958	5558
	4%	3%	3%	4%	9%
grade 6 events	1000	1204	928	959	13540
	2%	2%	1%	2%	23%
grade 7 events	29721	34141	40239	36059	25894
	78%	72%	82%	78%	44%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01237	ACIS-01237	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	313.688777	313.7133313889676	CCD I2 on	Y	Y
[deg] Pointing Dec	0.705377	0.6928090003004612	CCD I3 on	Y	Y
[deg] Pointing Roll	302.573404	302.7817724622064	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	N	N
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	535595357.184000	535594316.57884	CCD S5 on	N	N
Observation start date	2014-12-22T00:28:10	2014-12-22T00:11:56	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	535603357.184000	535603629.72935	On-chip summing requested	N	N
Observation end date	2014-12-22T02:41:30	2014-12-22T02:47:09	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



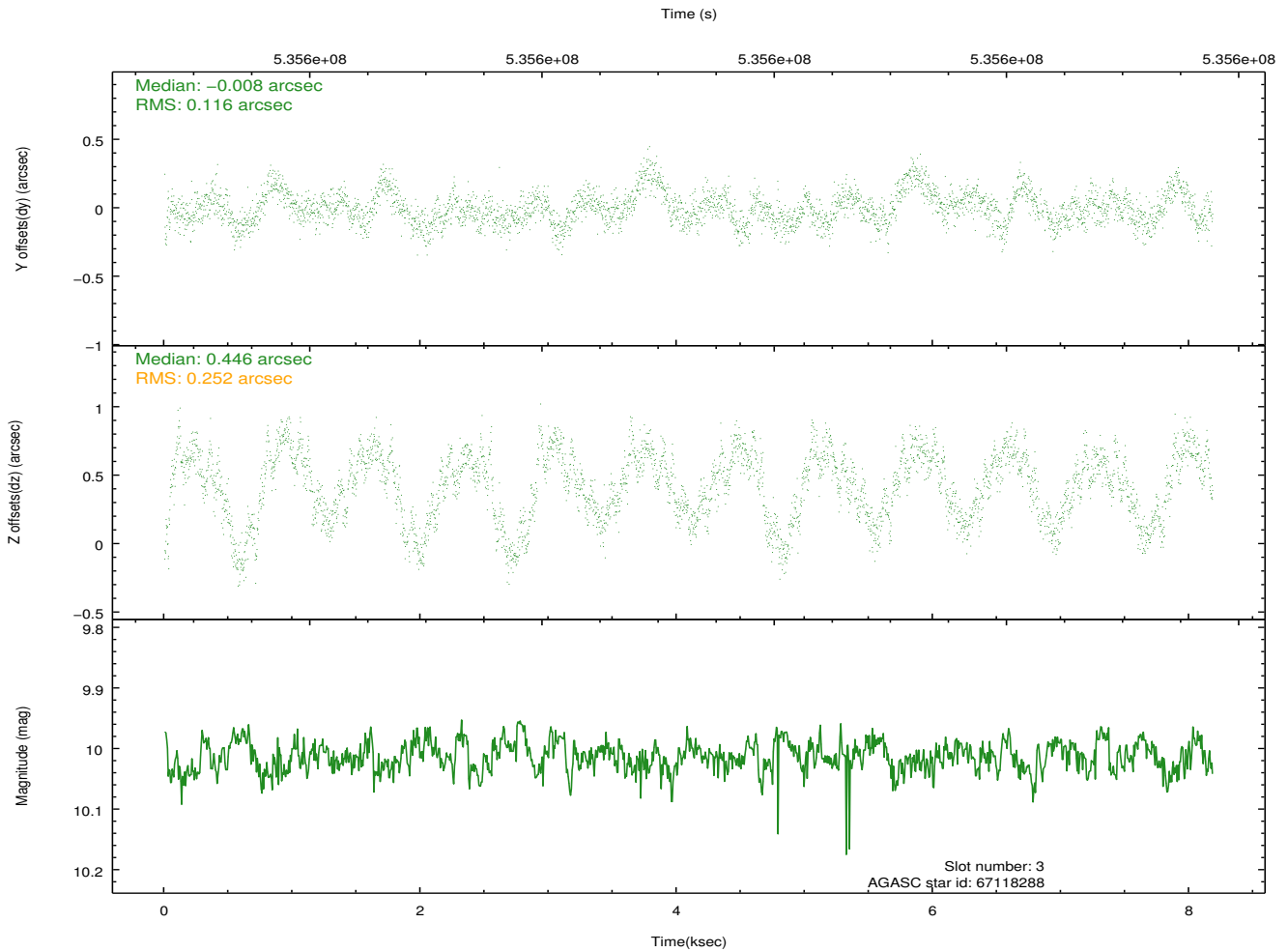
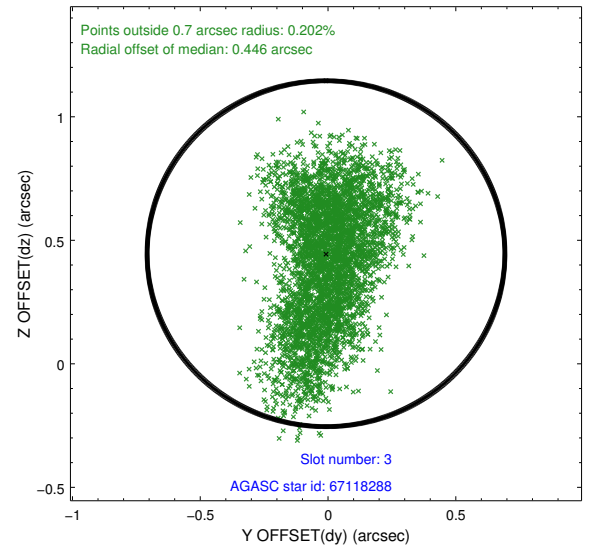
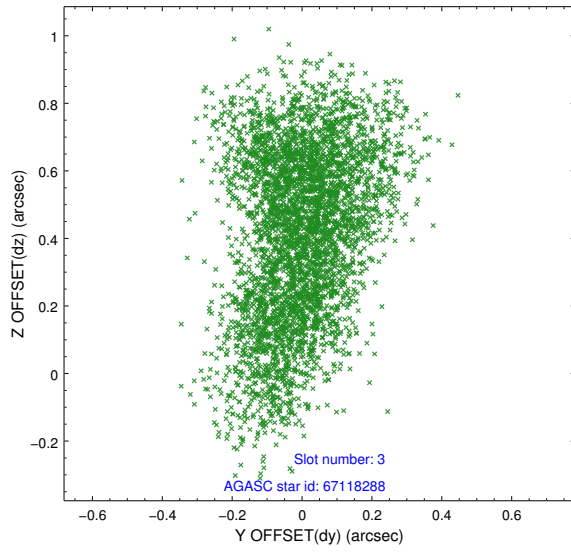


Slot Statistics

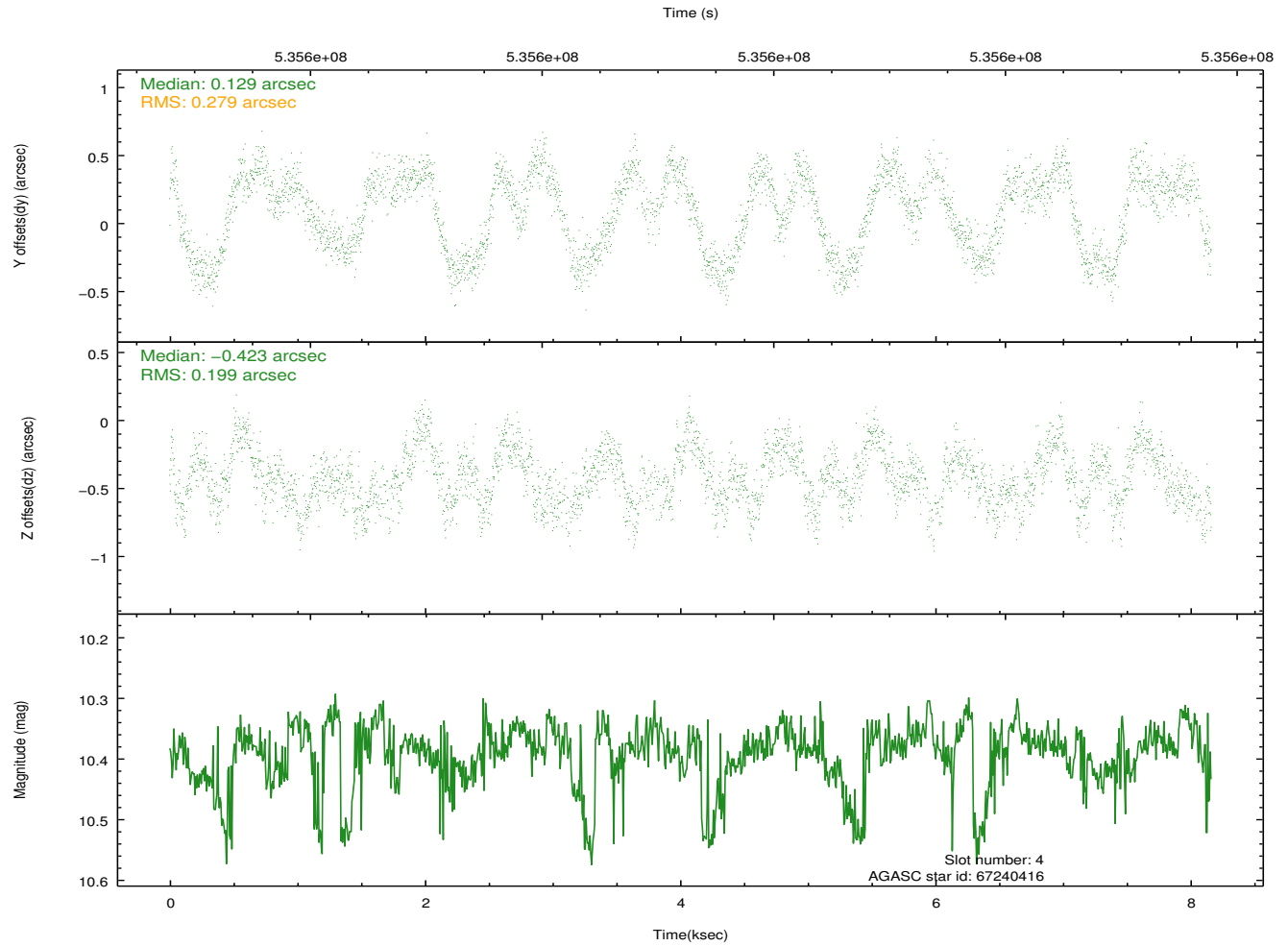
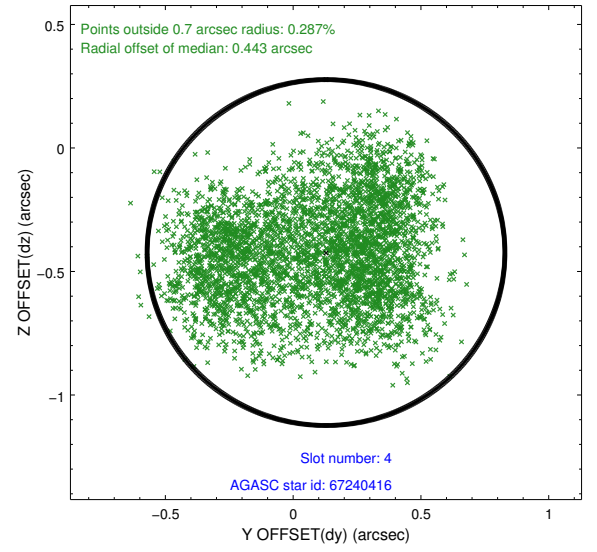
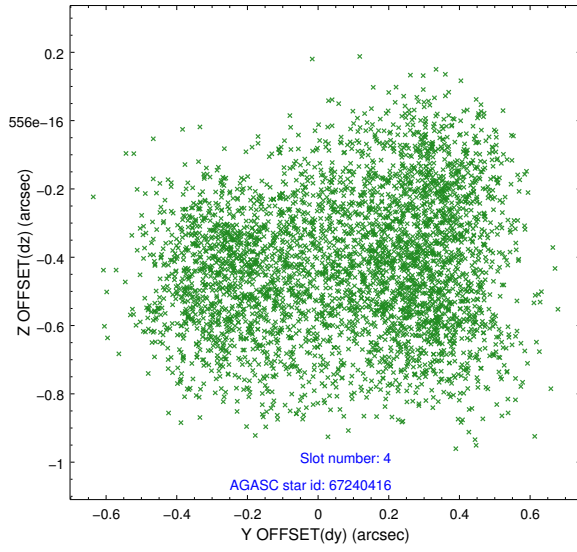
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.17	1995	0.087	-0.039	0.017	0.025	0.000000	0.000000	915.36	-845.67
1	FID		ACIS-I-5	7.16	1995	-0.310	0.063	0.007	0.012	0.000000	0.000000	-1832.81	1051.53
2	FID		ACIS-I-6	7.16	1995	0.131	0.046	0.020	0.027	0.000000	0.000000	380.15	1696.83
3	GUIDE	used	67118288	10.01	3959	-0.008	0.446	0.293	0.491	313.030164	0.670693	-1169.87	-2064.38
4	GUIDE	used	67240416	10.39	3837	0.129	-0.423	0.379	0.550	313.655559	0.806261	-370.01	94.14
5	GUIDE	used	67249720	9.60	3987	-0.122	0.013	0.173	0.264	313.935715	1.106435	-738.13	1526.87
6	GUIDE	used	67255784	10.19	3972	0.015	-0.201	0.256	0.389	313.977819	1.237321	-1053.77	1908.36
7	GUIDE	used	67241152	9.75	3987	-0.056	0.199	0.387	0.558	313.420735	0.605808	-217.03	-1004.89

2.4 Star Slots

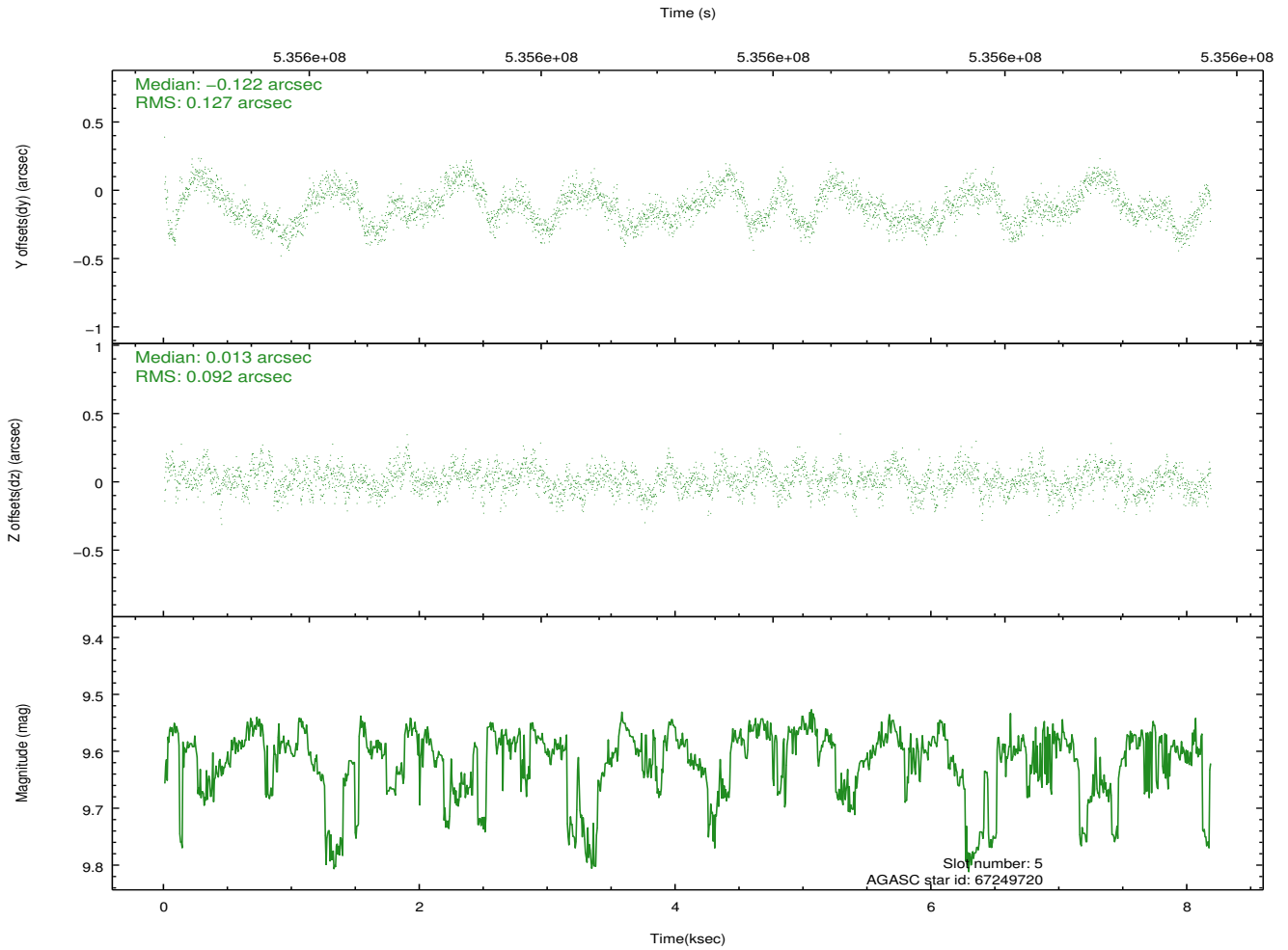
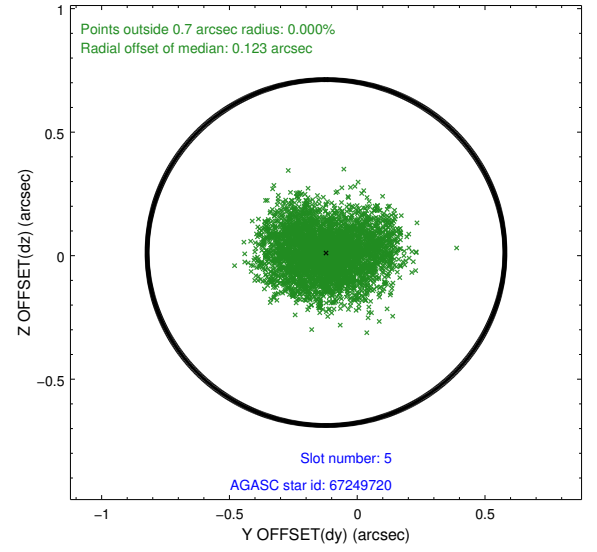
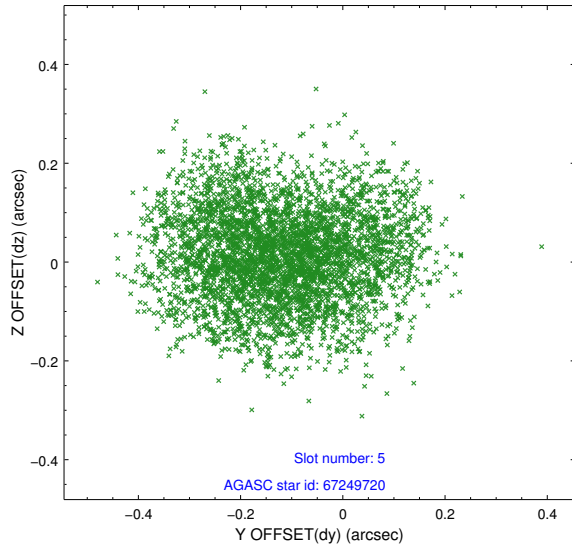
2.4.1 Slot 3



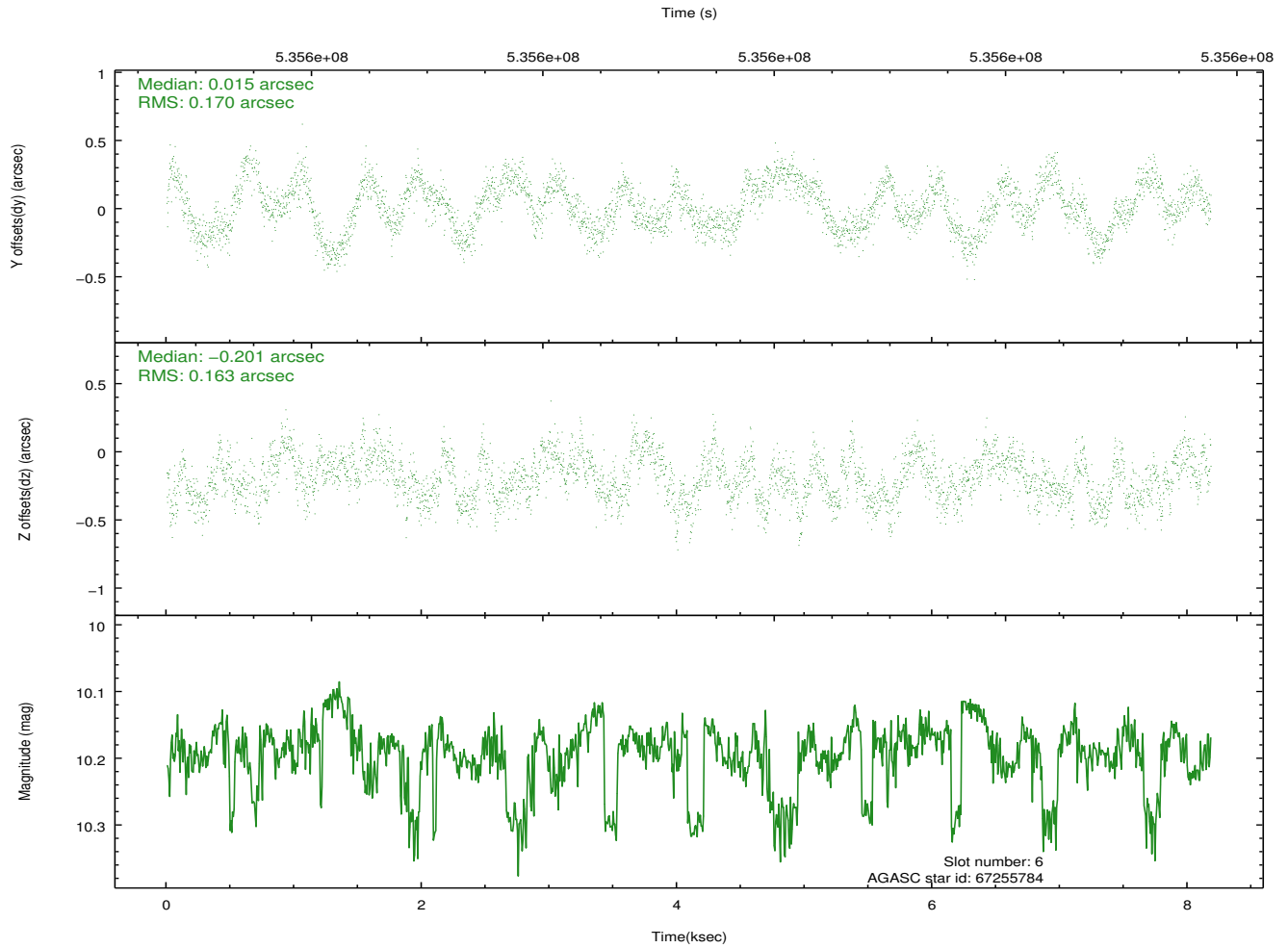
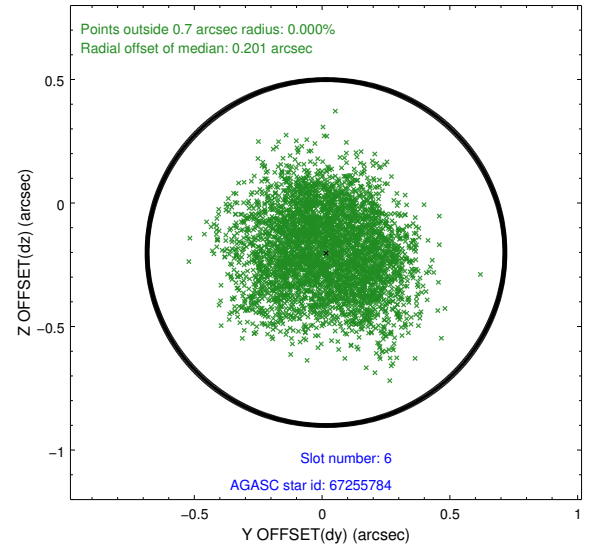
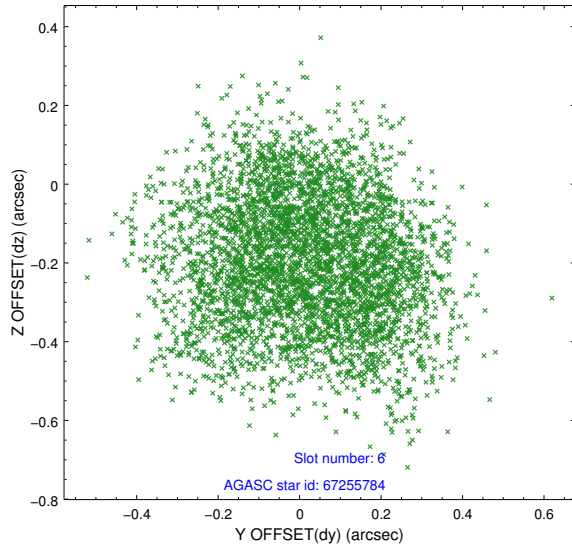
2.4.2 Slot 4



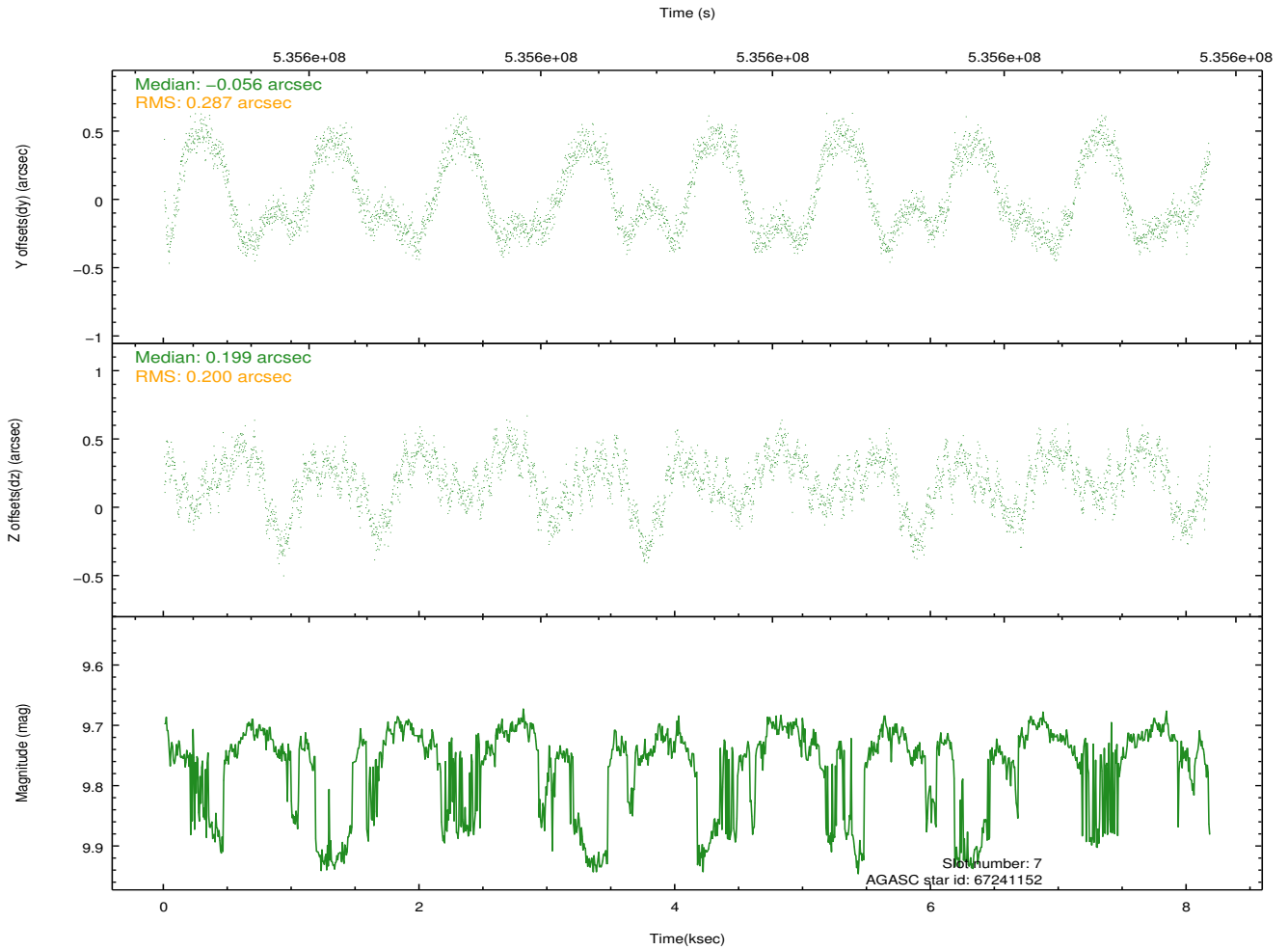
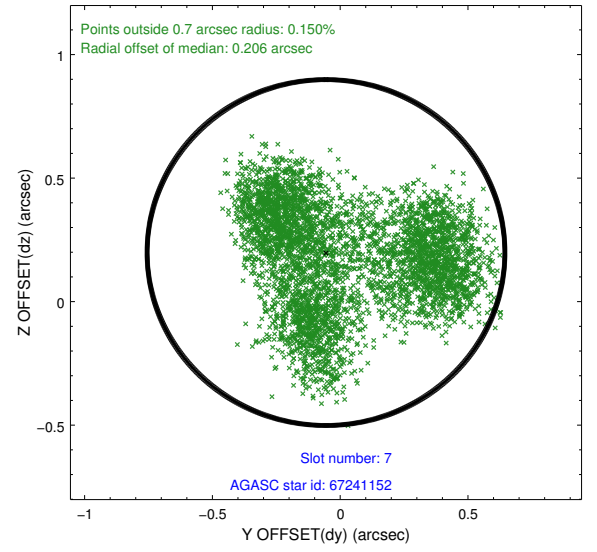
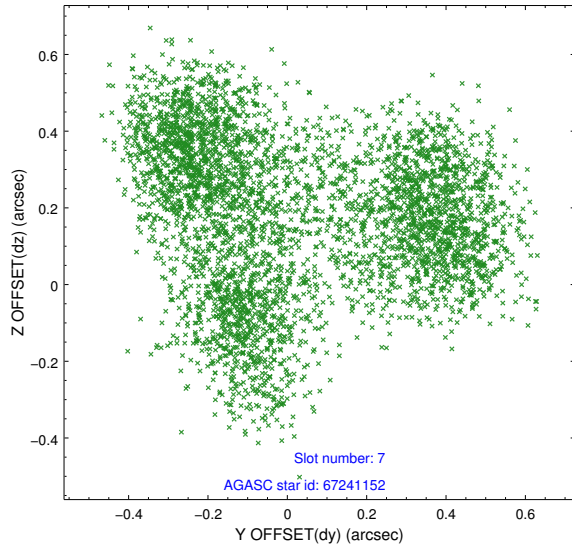
2.4.3 Slot 5



2.4.4 Slot 6

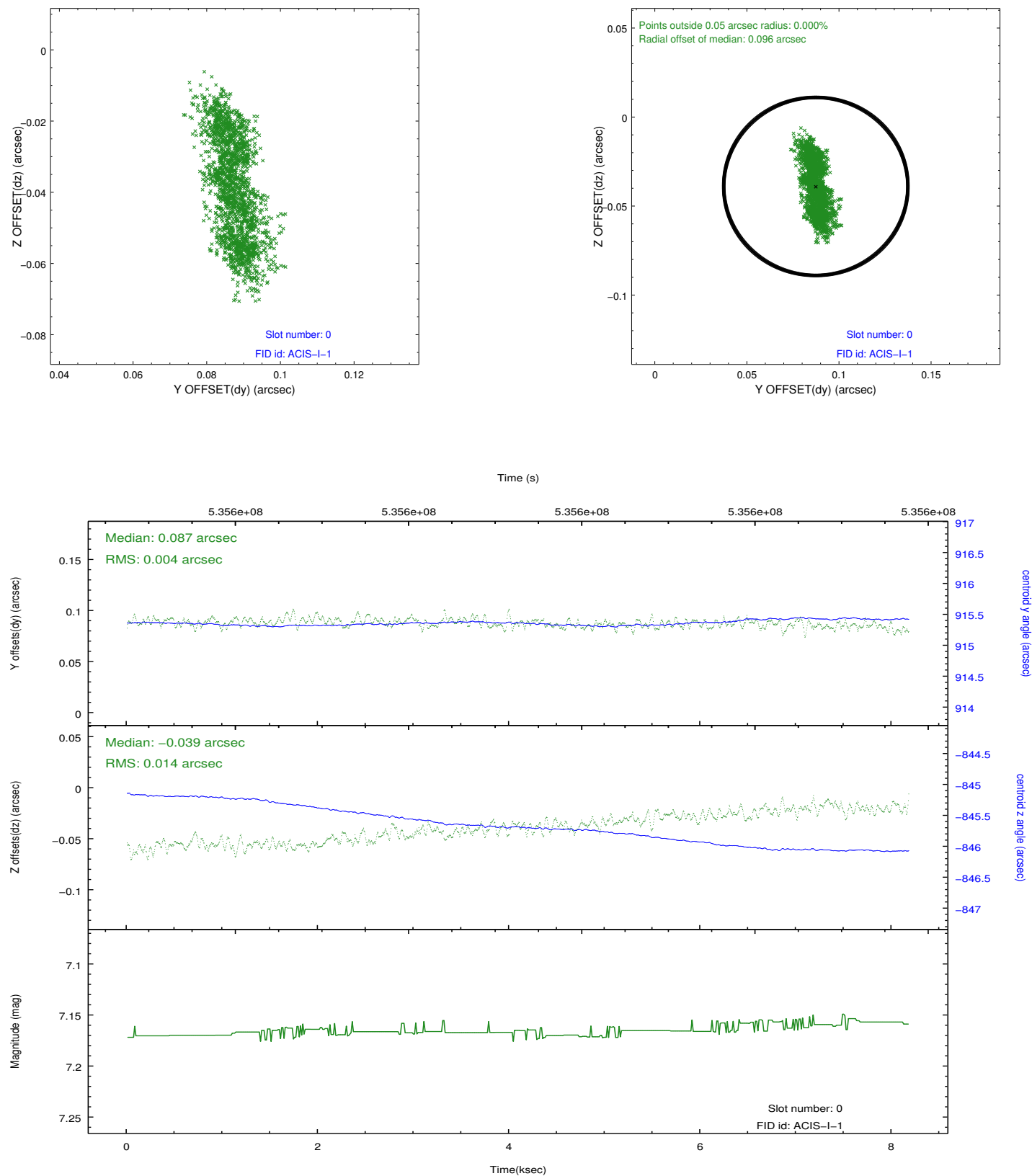


2.4.5 Slot 7

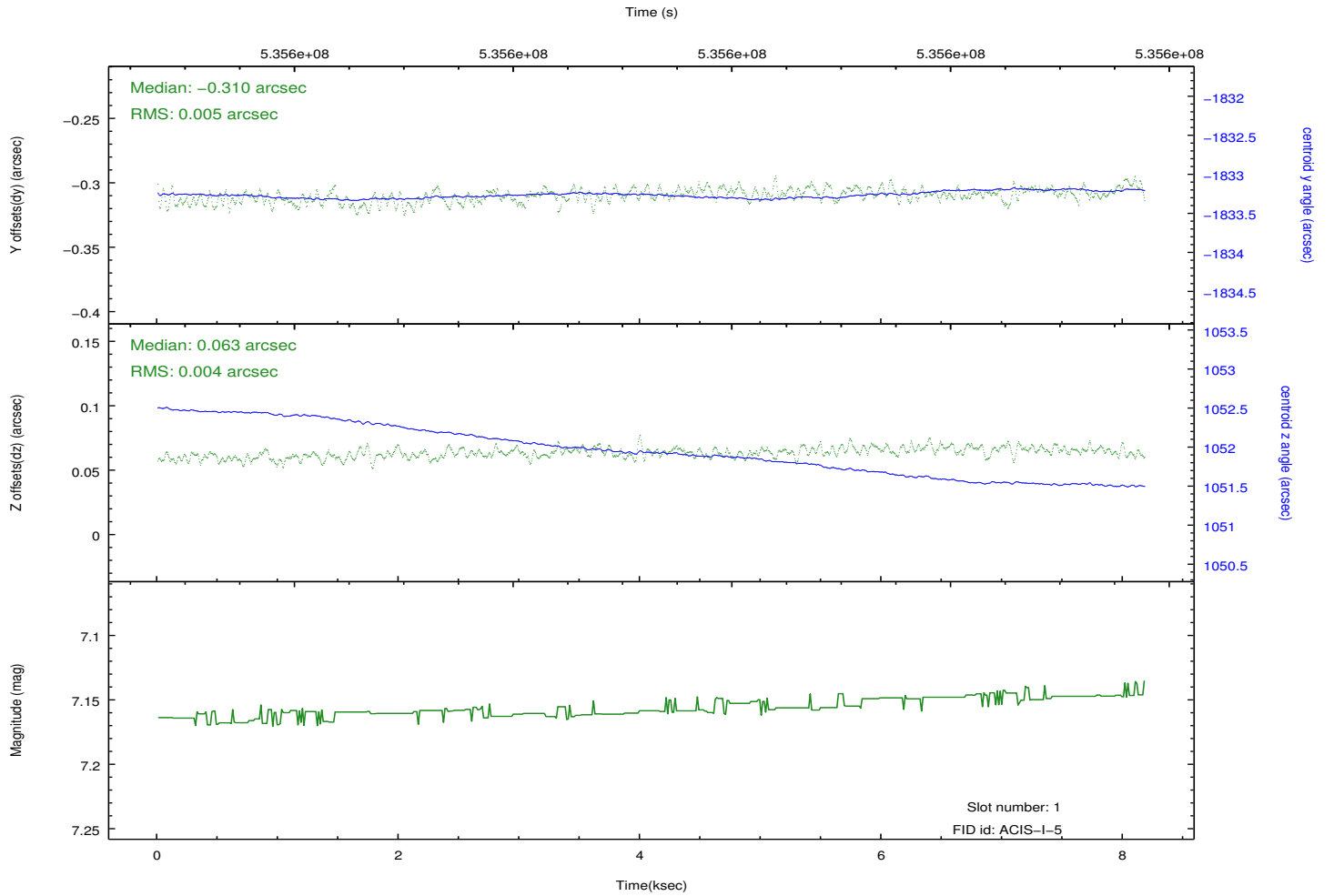
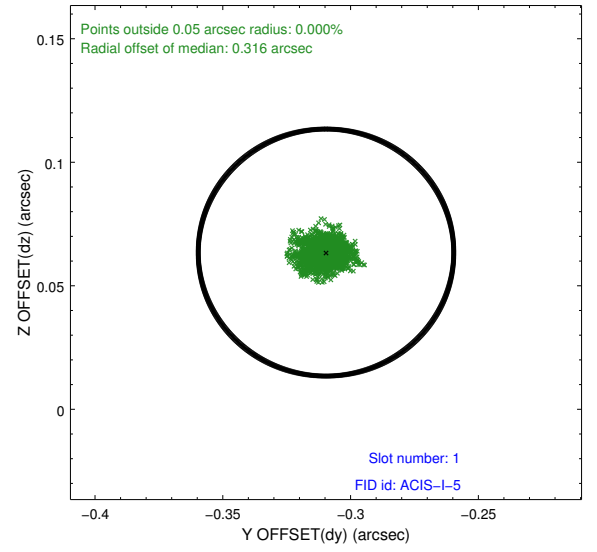
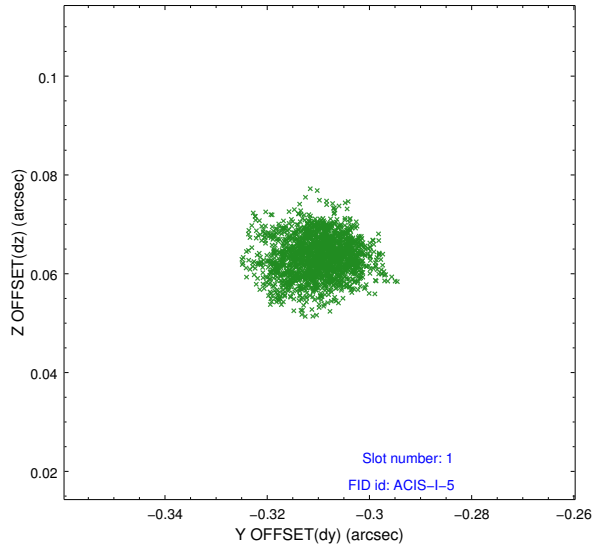


2.5 FID Slots

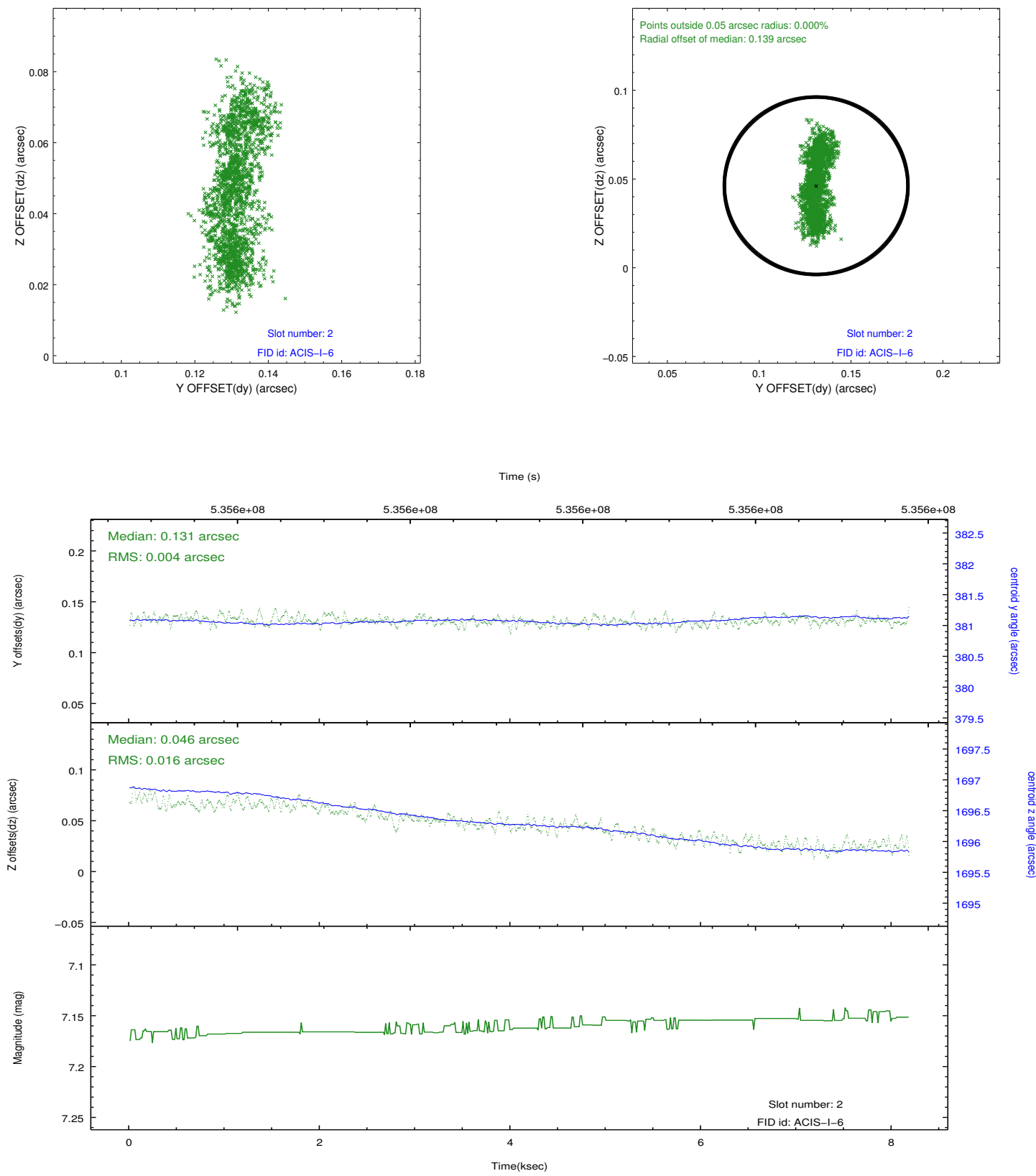
2.5.1 Slot 0



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)	2014.12.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.063059101522

A.2 Comments