

V&V Reference Report

L2 ASCDS Version : 10.5.4

Observation 19747 - L2 Version 1
Chandra X-Ray Center

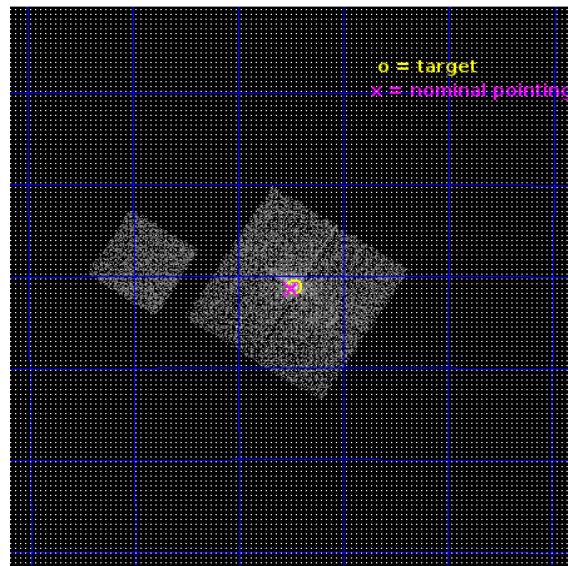
L2 Processing Date : May 16 2017

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1 Front

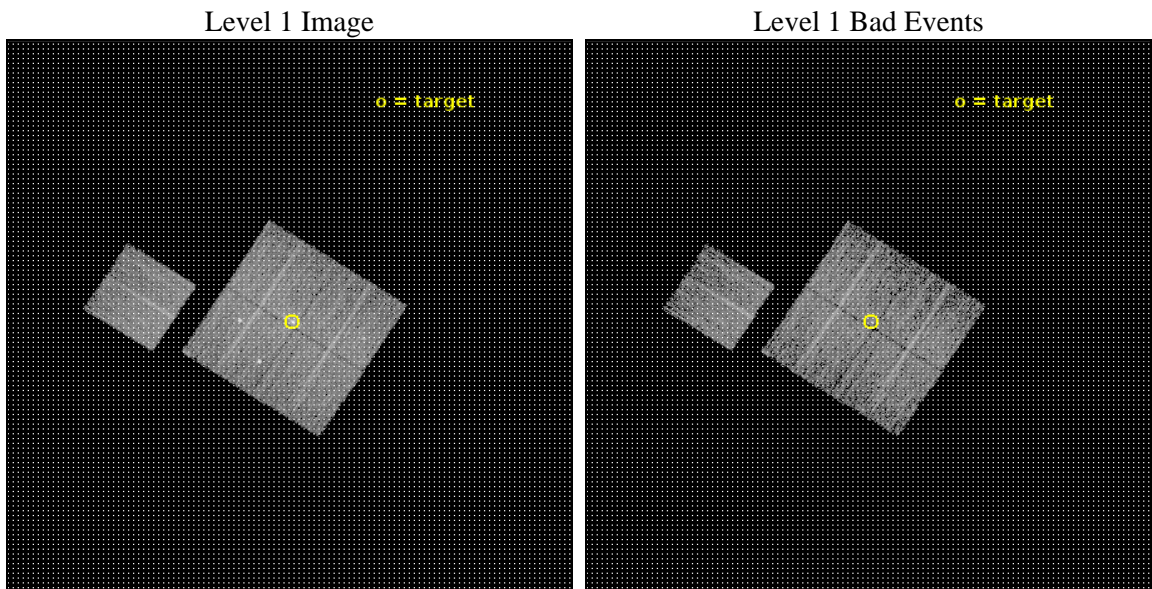
seq_num	703462	Sequence number
obs_id	19747	Observation id
title	Monitoring of the Cen A jet and LMXB population	Proposal title
observer	Ralph Kraft	Principal investigator
object	Centaurus A	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	201.365	Observer's specified target RA [deg]
dec_targ	-43.019167	Observer's specified target Dec [deg]
ra_nom	201.37393332491	Nominal RA [deg]
dec_nom	-43.022929130176	Nominal Dec [deg]
roll_nom	302.72816386193	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5068.5000391006	Sum of GTIs [s]
livetime	5002.2763547144	Livetime [s]
ontime0	5068.5000391006	Sum of GTIs [s]
ontime1	5068.5000391006	Sum of GTIs [s]
ontime2	5068.5000391006	Sum of GTIs [s]
ontime3	5068.5000391006	Sum of GTIs [s]
ontime6	5068.5000391006	Sum of GTIs [s]
l2events	22943	Number of level 2 events



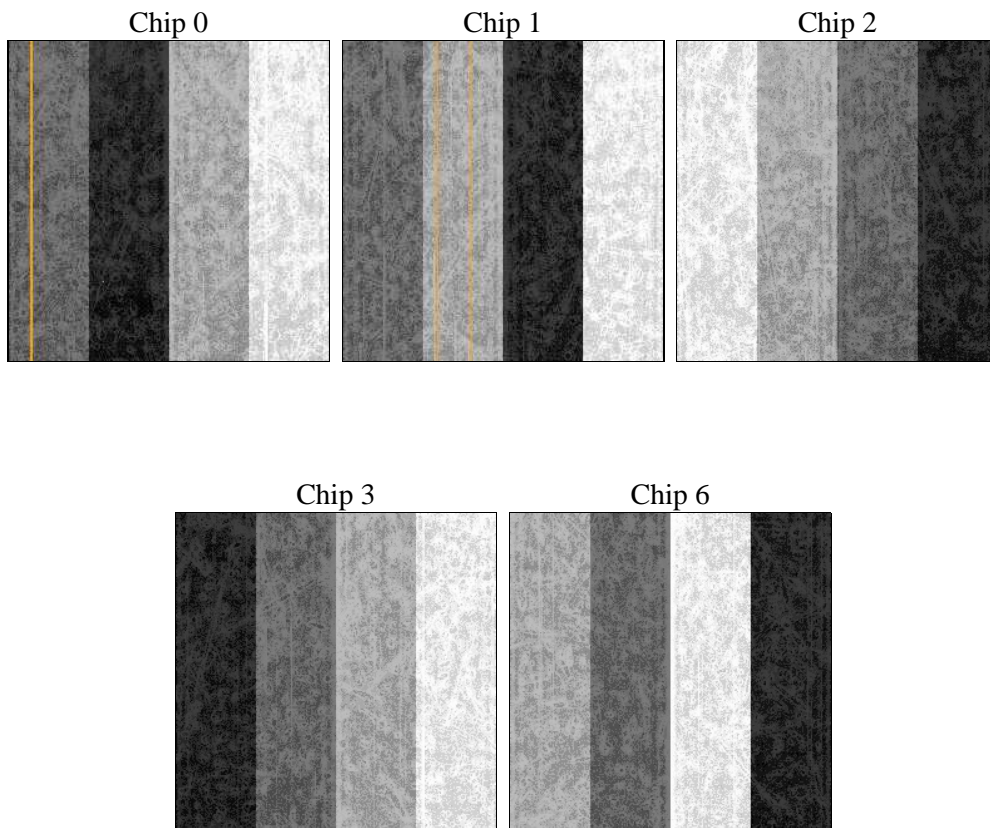
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.4	Processing system revision	ontime	5068.5000391006	Sum of GTIs [s]
caldsver	4.7.4	 	ontime0	5068.5000391006	Sum of GTIs [s]
date	2017-05-16T20:07:54	Date and time of file creation	ontime1	5068.5000391006	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	5068.5000391006	Sum of GTIs [s]
			ontime3	5068.5000391006	Sum of GTIs [s]
			ontime6	5068.5000391006	Sum of GTIs [s]
			l1events	194283	Number of level 1 events

2.1.4 Events

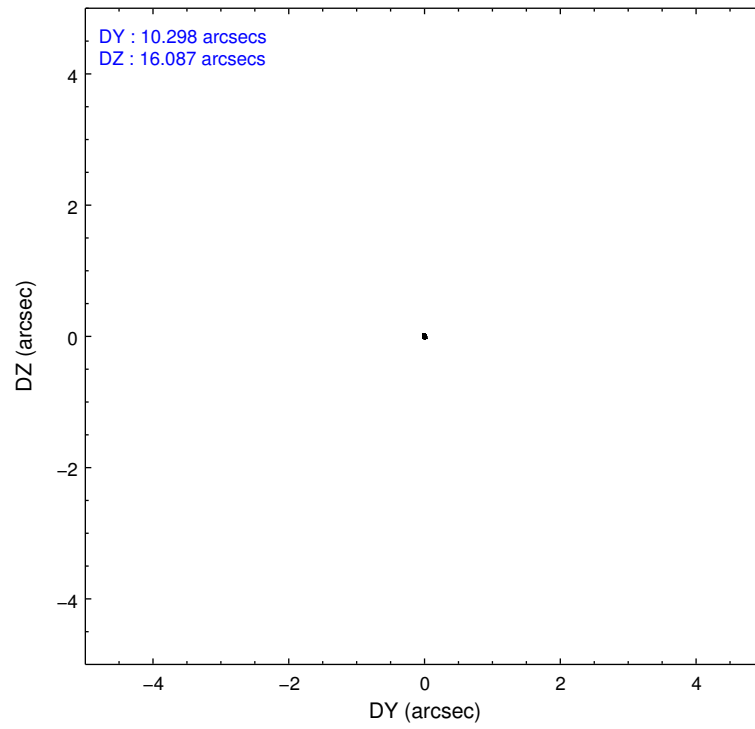
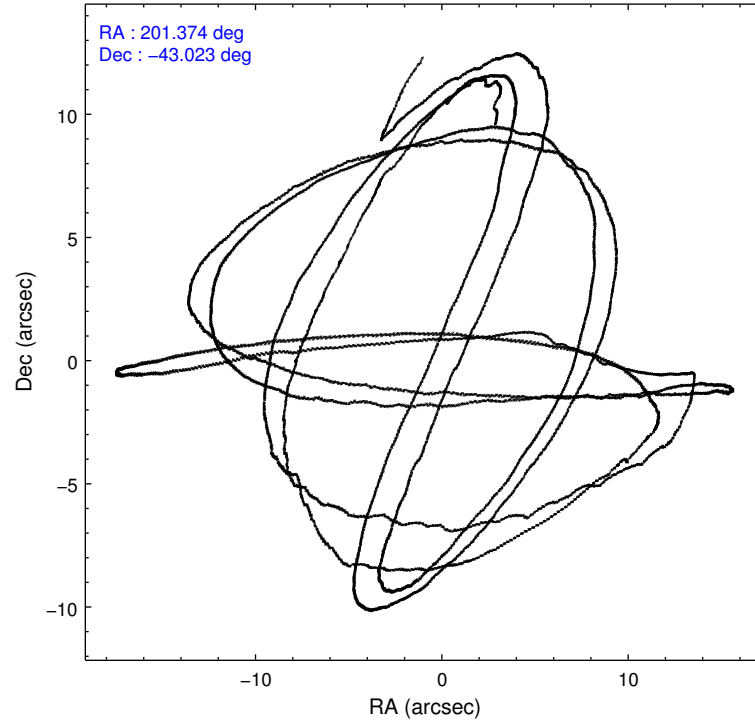
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	35697	36702	42099	42584	37201
rejected events	31134	31195	34412	34768	33080
rejected %	87%	84%	81%	81%	88%

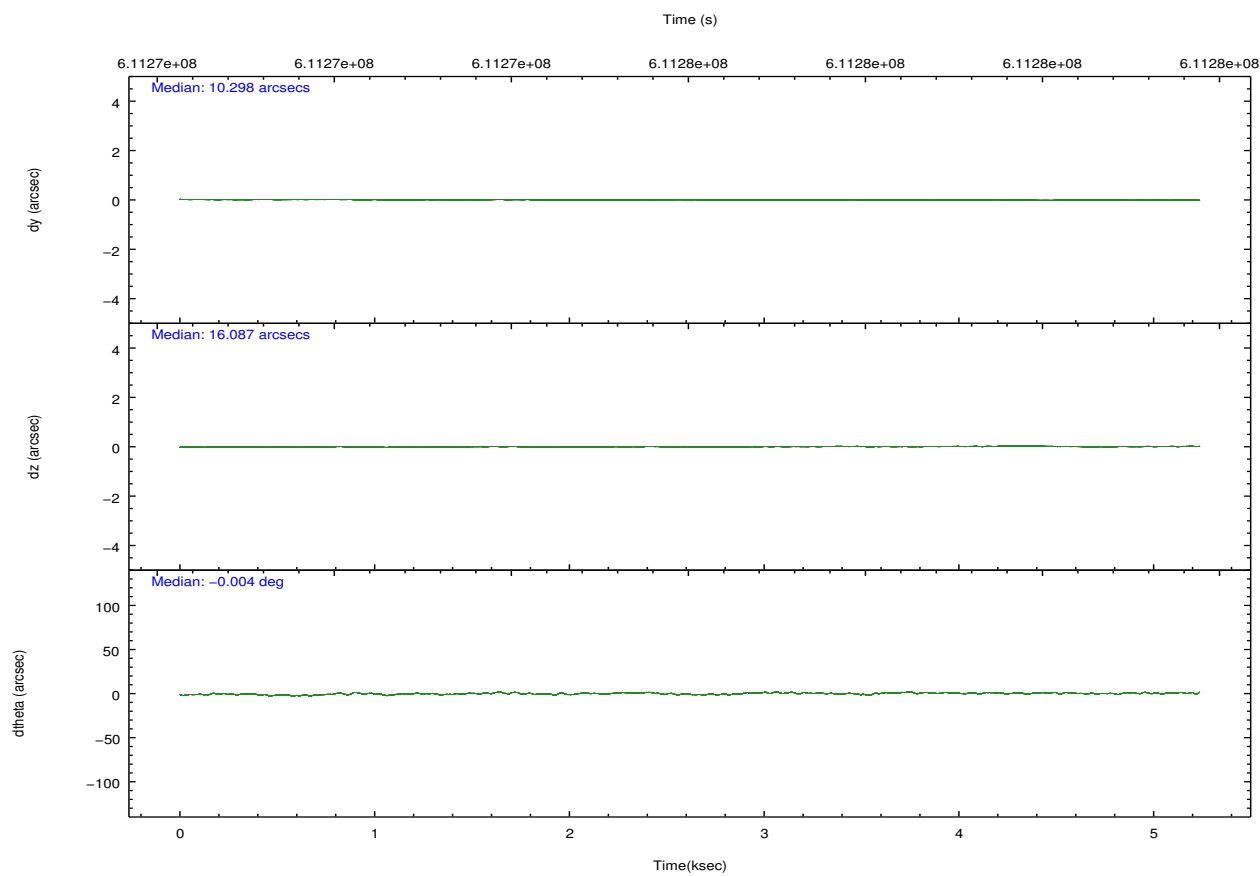
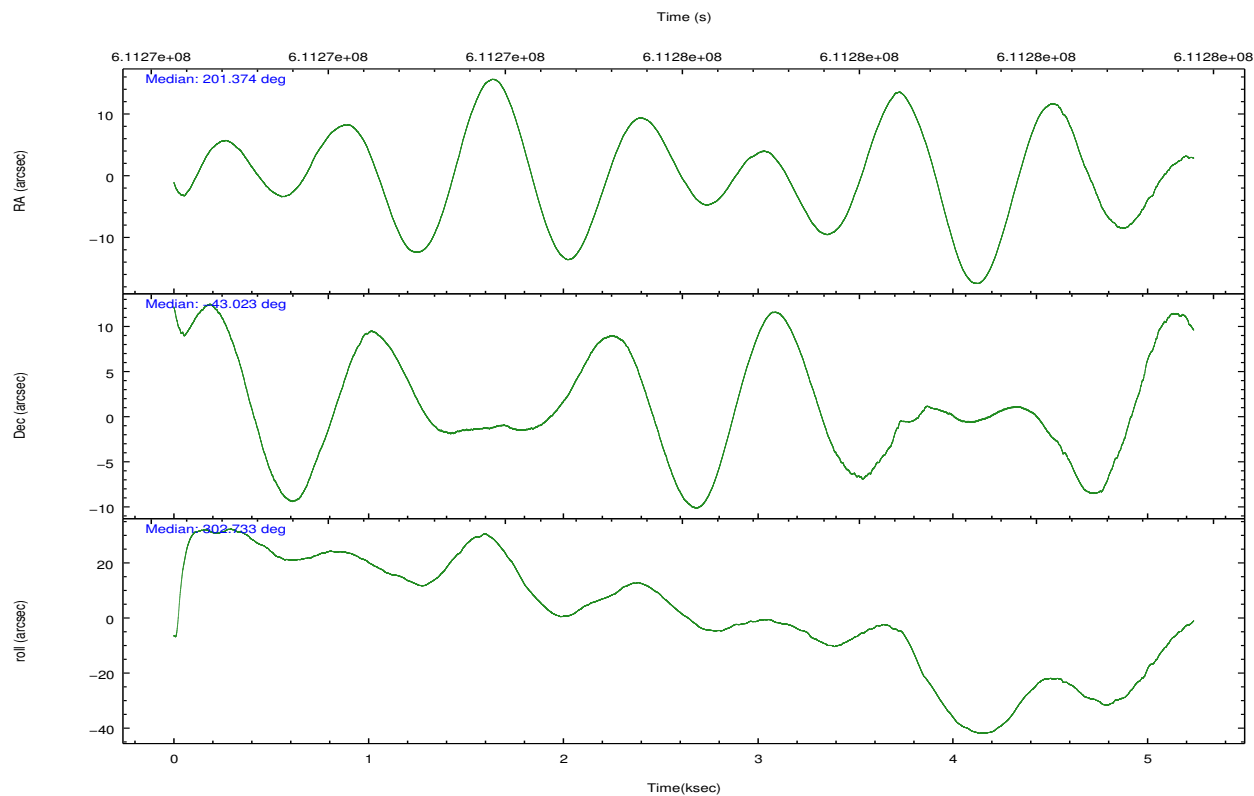
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	1808	2316	5088	4117	1301
	5%	6%	12%	9%	3%
grade 1 events	20	19	56	118	19
	0%	0%	0%	0%	0%
grade 2 events	1022	1237	978	1411	987
	2%	3%	2%	3%	2%
grade 3 events	425	432	416	562	349
	1%	1%	0%	1%	0%
grade 4 events	441	449	395	550	438
	1%	1%	0%	1%	1%
grade 5 events	1471	1531	1445	1871	1613
	4%	4%	3%	4%	4%
grade 6 events	871	1076	816	1183	1051
	2%	2%	1%	2%	2%
grade 7 events	29639	29642	32905	32772	31443
	83%	80%	78%	76%	84%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	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	201.340313	201.3739333249137	CCD I2 on	Y	Y
[deg] Pointing Dec	-43.010417	-43.02292913017602	CCD I3 on	Y	Y
[deg] Pointing Roll	302.496714	302.728163861932	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	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	N	N
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	611272595.184000	611271614.75193	CCD S5 on	N	N
Observation start date	2017-05-15T21:55:26	2017-05-15T21:40:14	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	611277595.184000	611278145.02731	On-chip summing requested	N	N
Observation end date	2017-05-15T23:18:46	2017-05-15T23:29:05	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



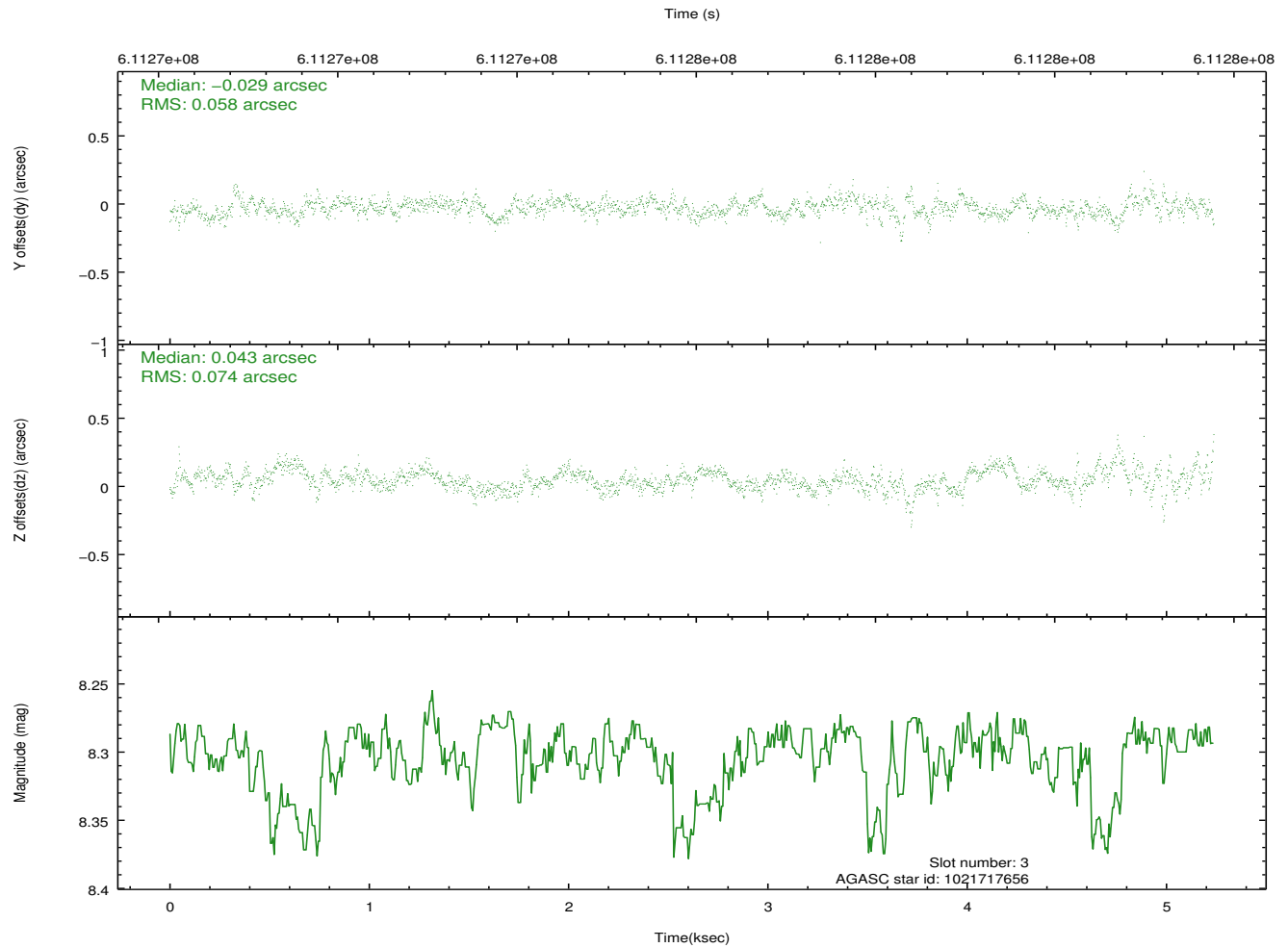
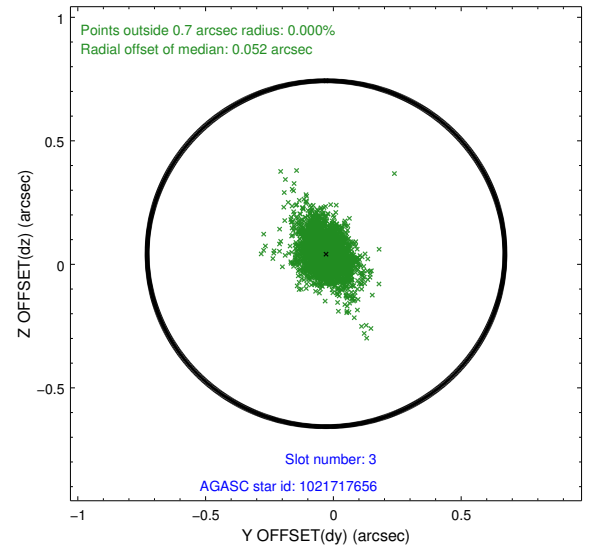
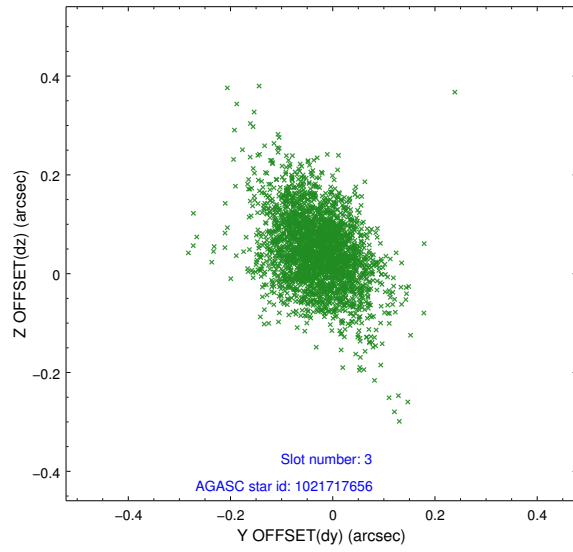


Slot Statistics

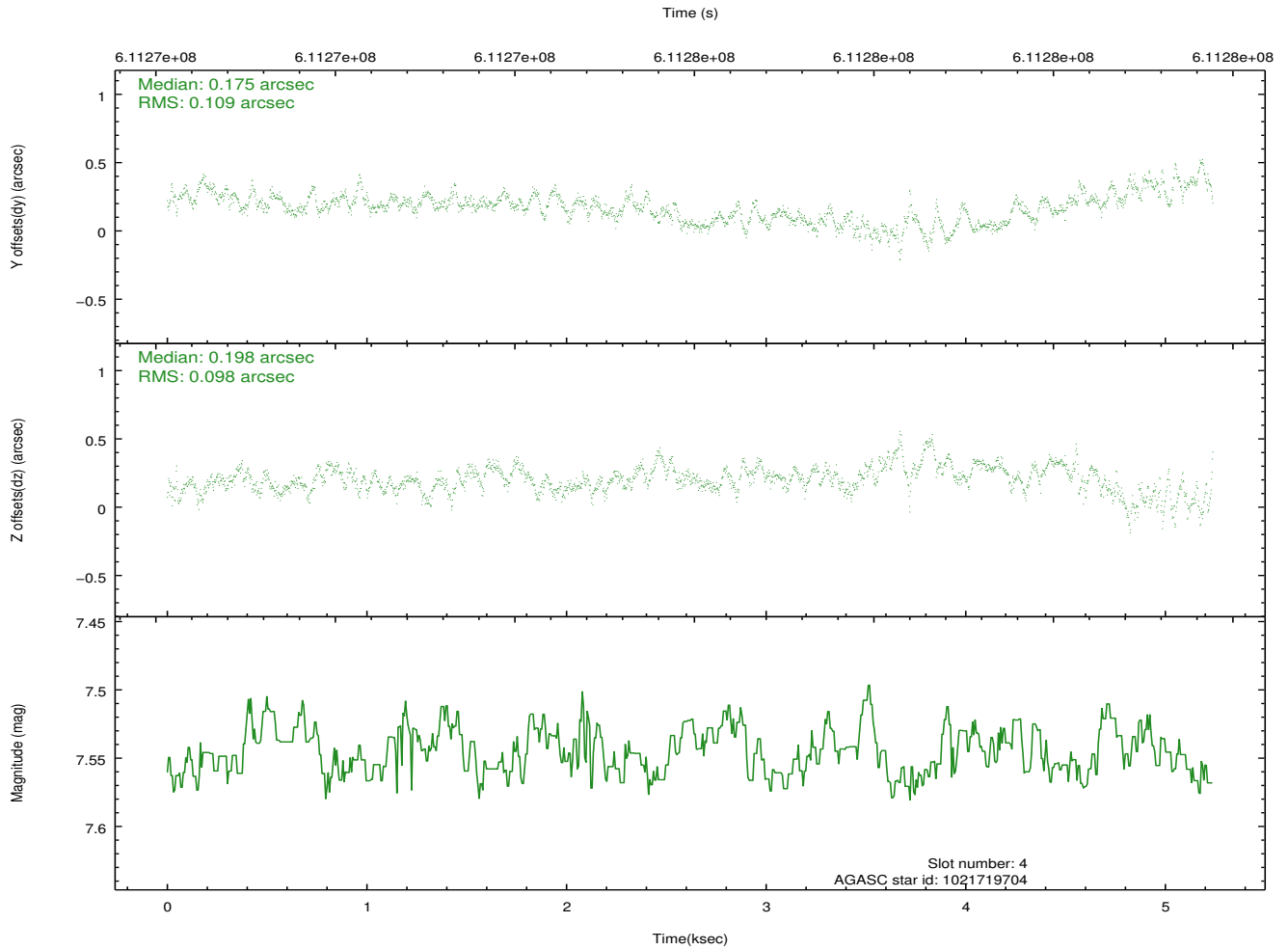
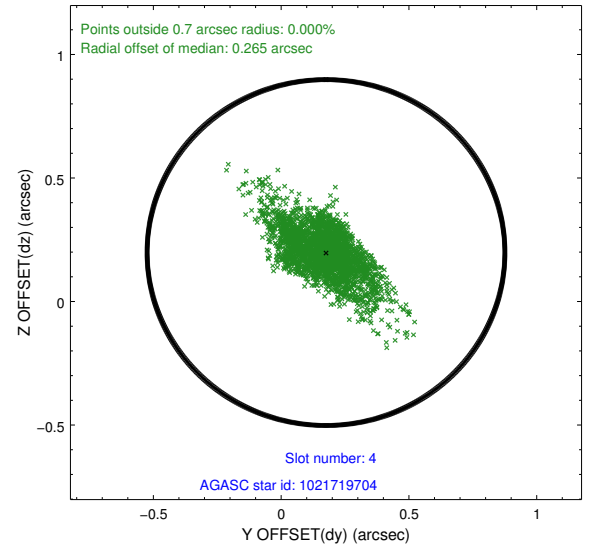
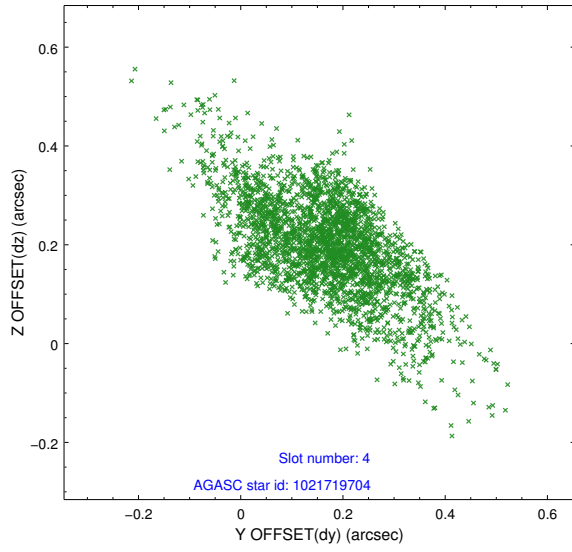
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.25	1278	-0.001	-0.105	0.012	0.023	0.000000	0.000000	929.33	-839.79
1	FID		ACIS-I-4	7.17	1278	0.344	0.097	0.010	0.019	0.000000	0.000000	2150.28	1059.69
2	FID		ACIS-I-5	7.24	1278	-0.441	0.079	0.009	0.015	0.000000	0.000000	-1817.71	1058.67
3	GUIDE	used	1021717656	8.30	2553	-0.029	0.043	0.094	0.169	201.139642	-43.082878	-62.35	-585.40
4	GUIDE	used	1021719704	7.55	2555	0.175	0.198	0.142	0.281	200.511976	-43.050426	-1039.27	-1920.84
5	GUIDE	used	1021721304	9.58	2550	-0.316	0.064	0.246	0.398	201.117326	-42.480412	-1926.68	524.85
6	GUIDE	used	1021721504	9.51	2553	-0.101	-0.188	0.225	0.366	201.182768	-43.000443	-253.02	-330.70
7	GUIDE	used	1022235840	9.39	2549	0.269	-0.120	0.219	0.437	201.679306	-43.544276	2098.54	-287.83

2.4 Star Slots

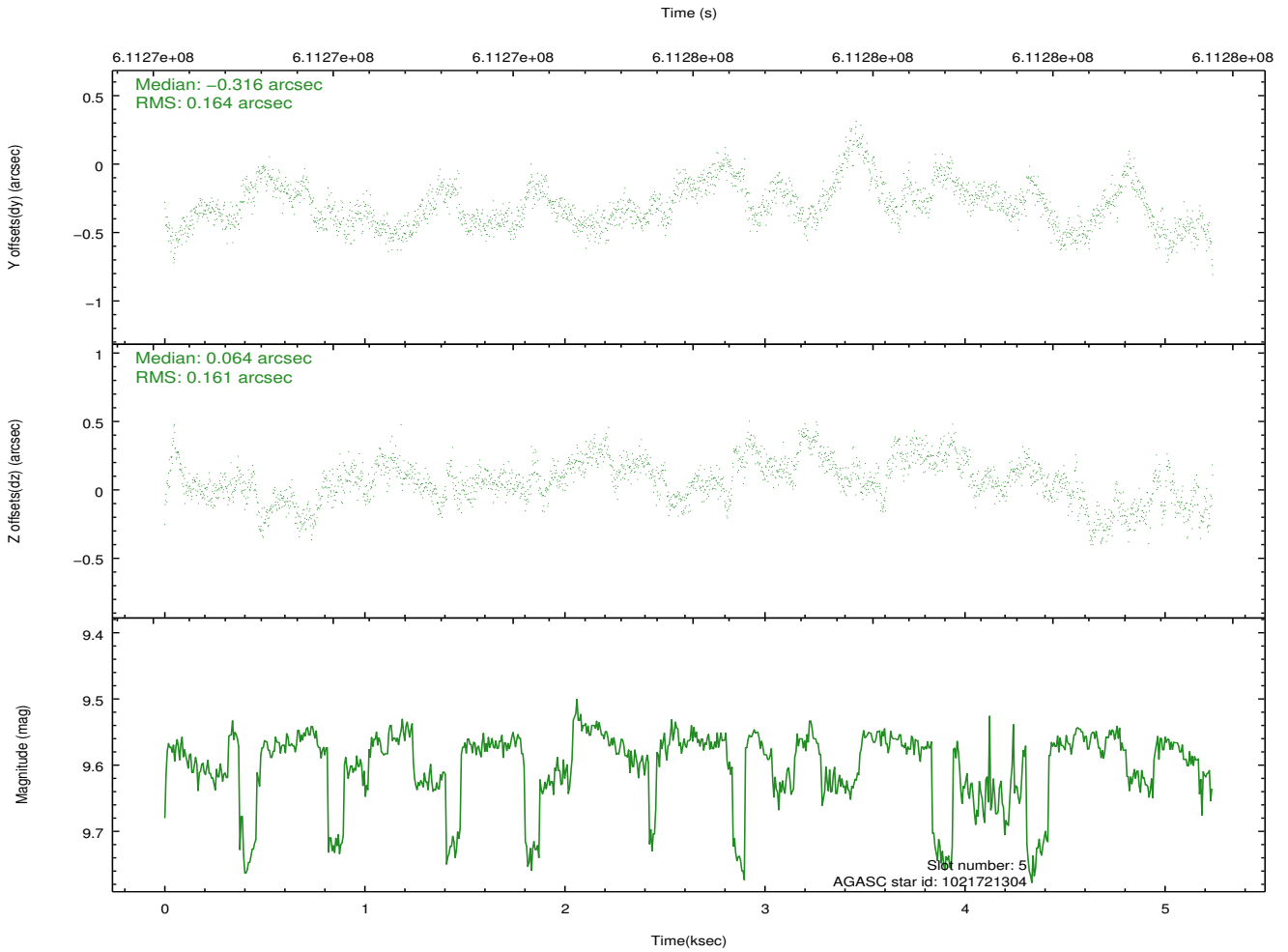
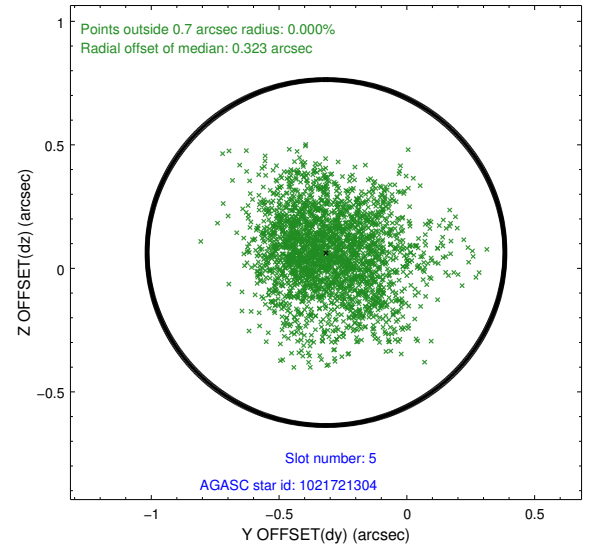
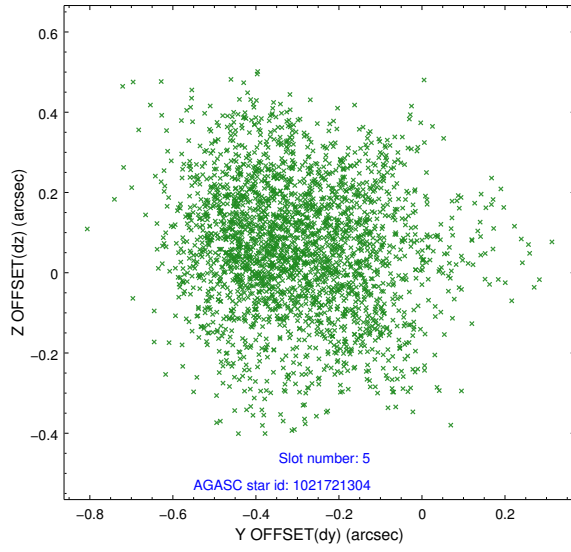
2.4.1 Slot 3



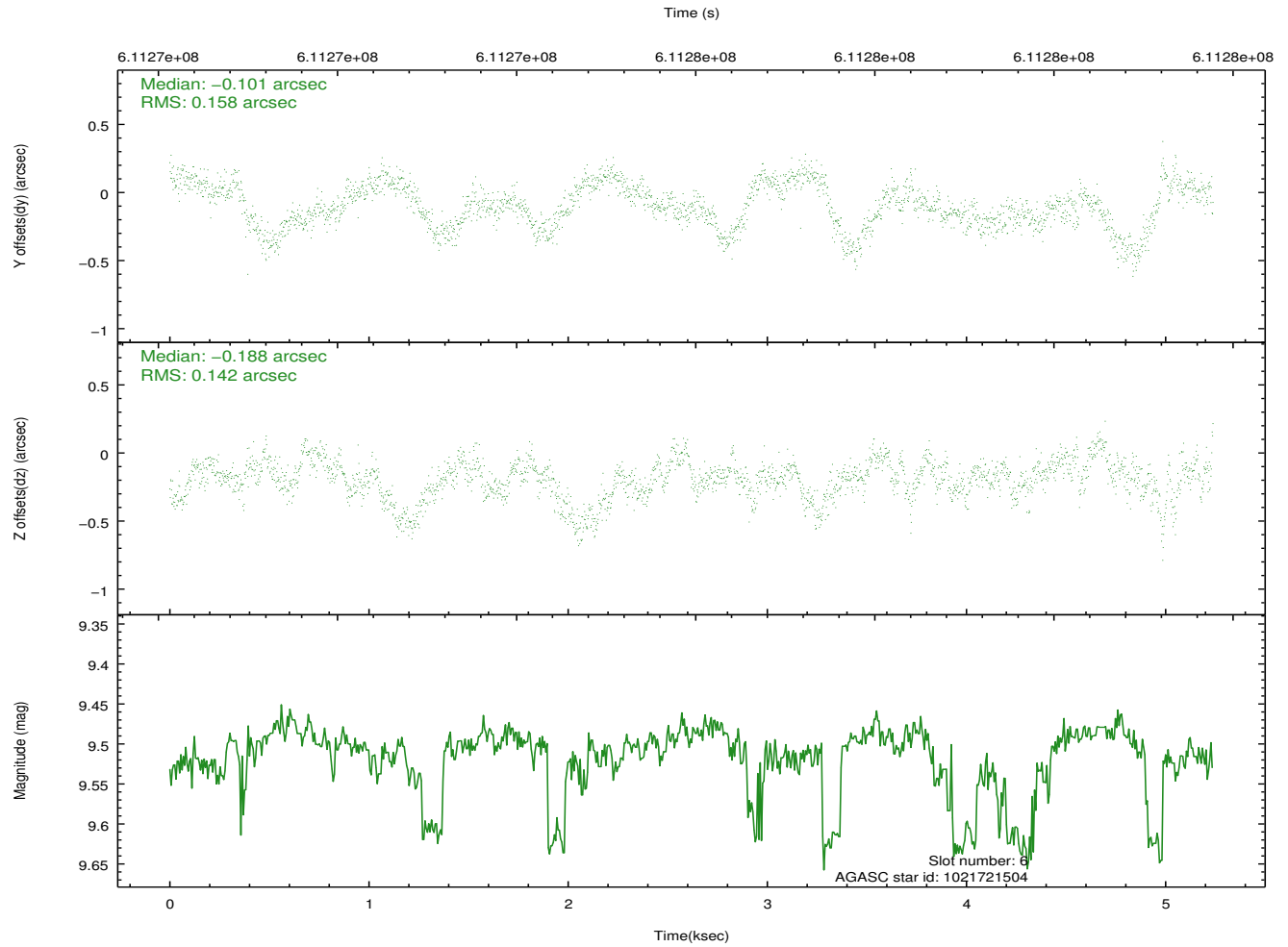
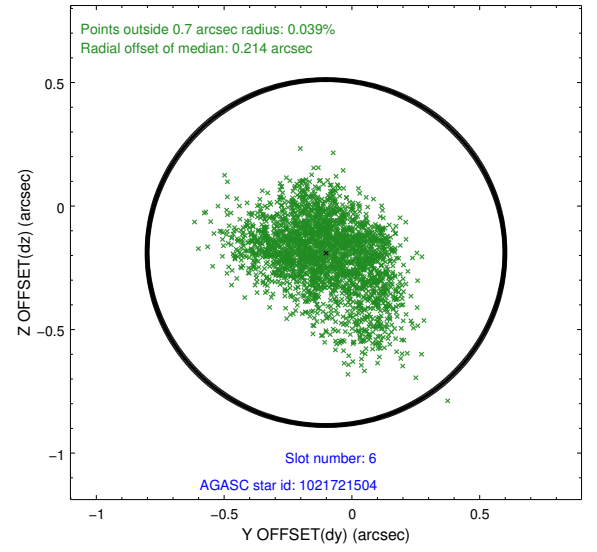
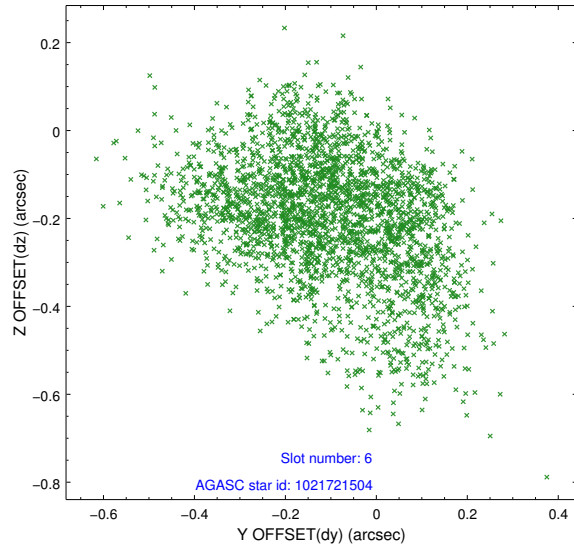
2.4.2 Slot 4



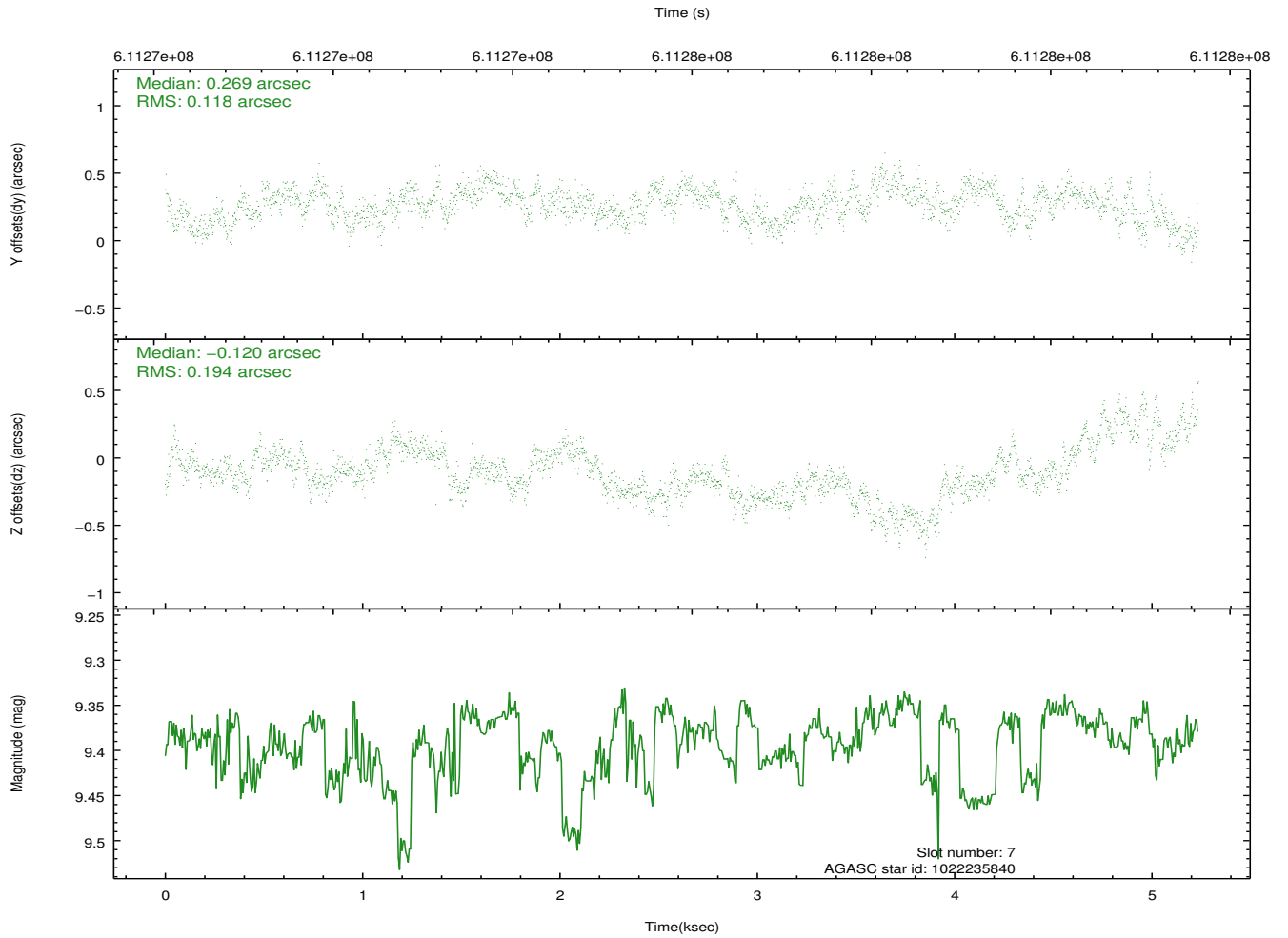
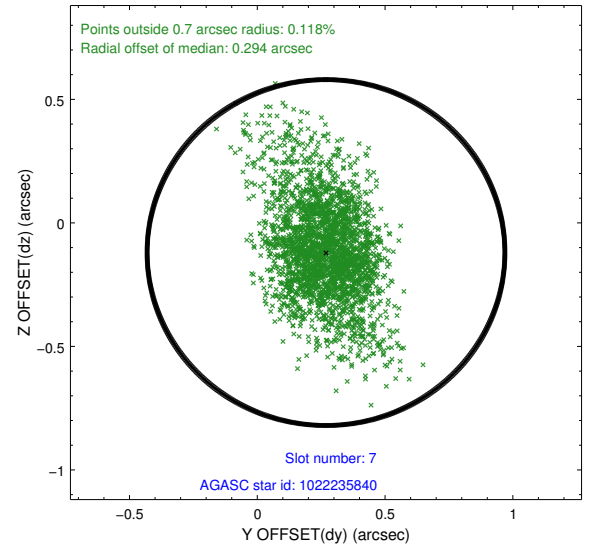
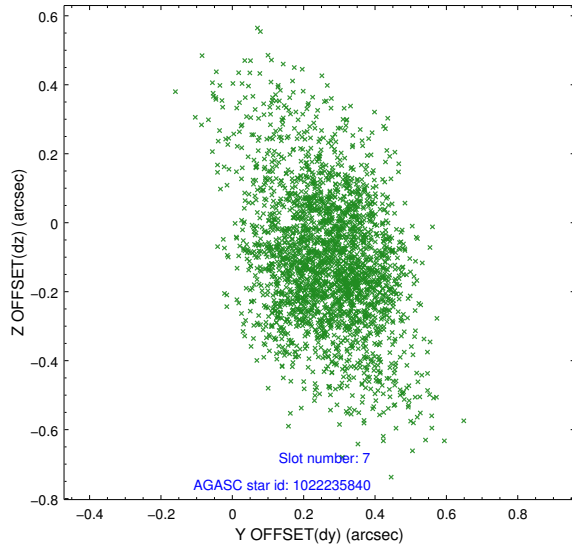
2.4.3 Slot 5



2.4.4 Slot 6

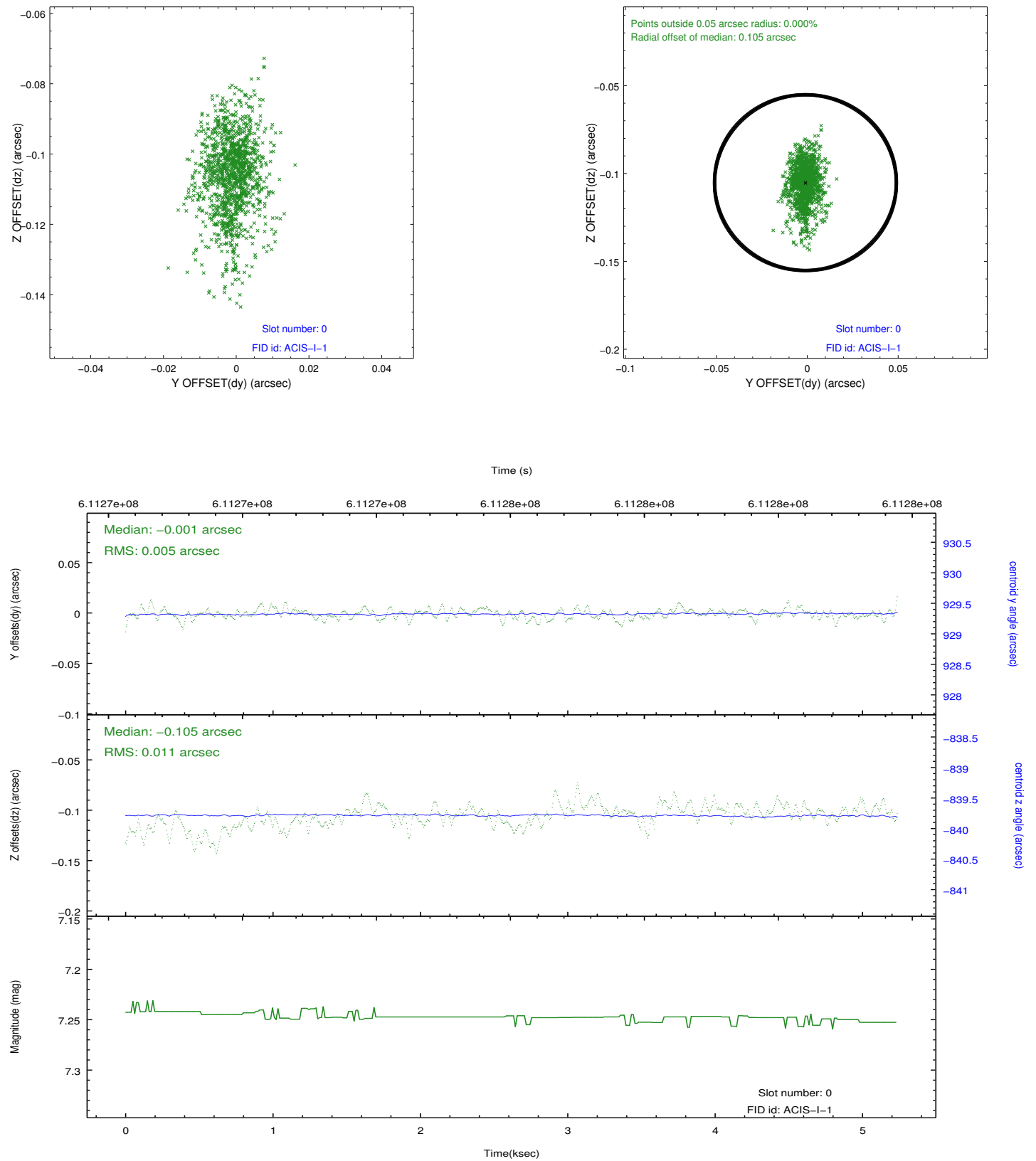


2.4.5 Slot 7

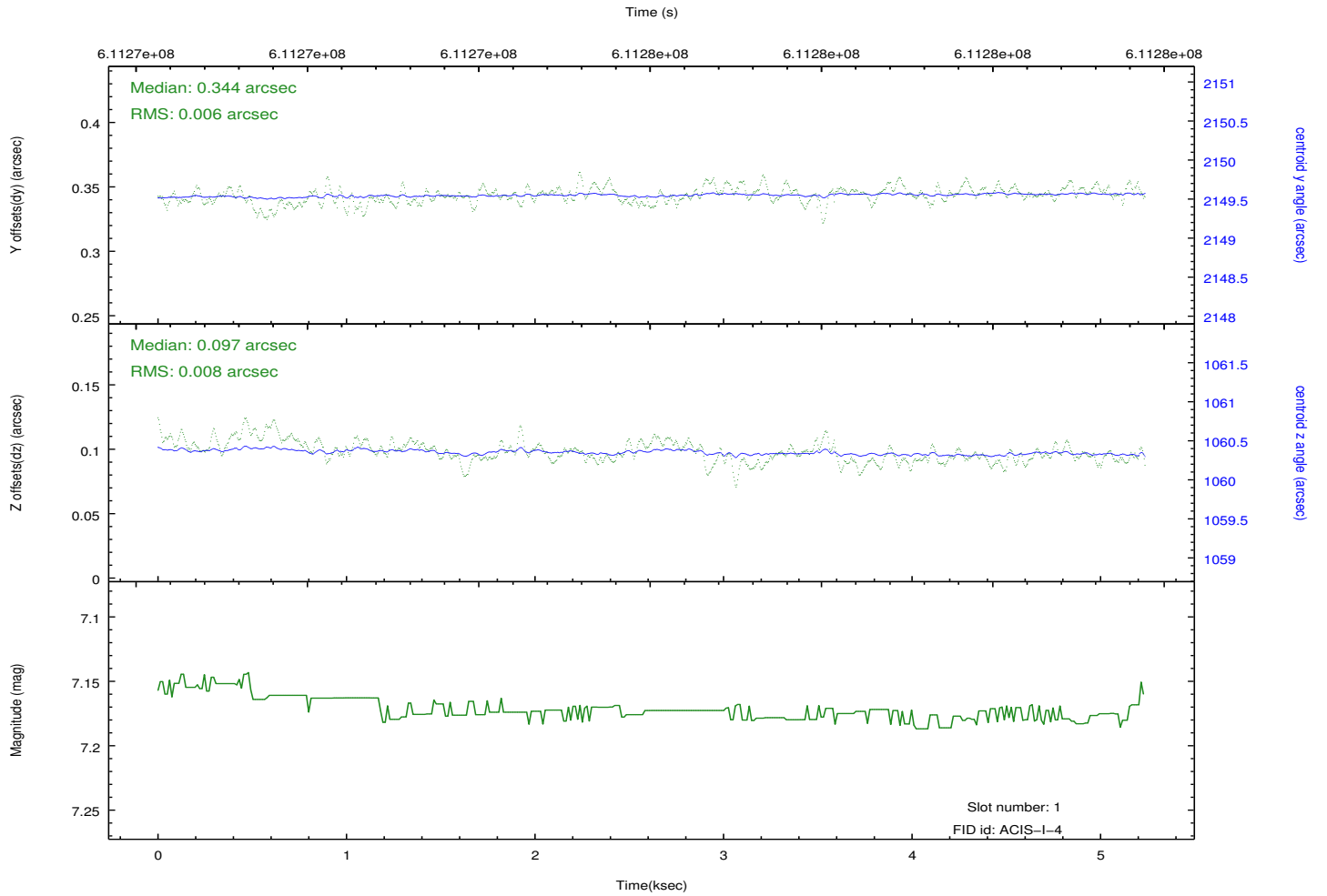
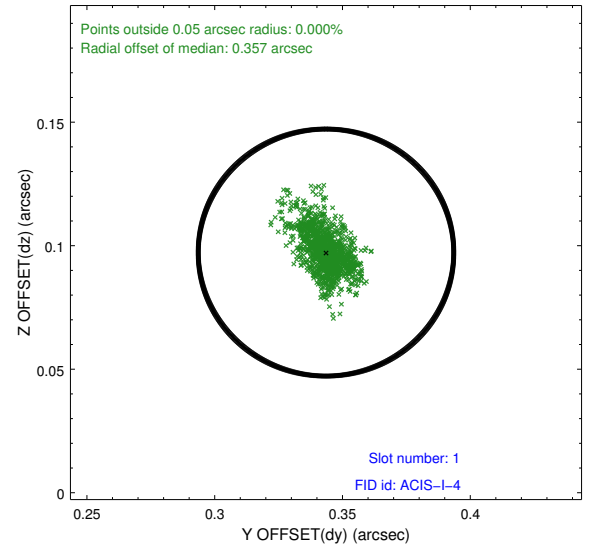
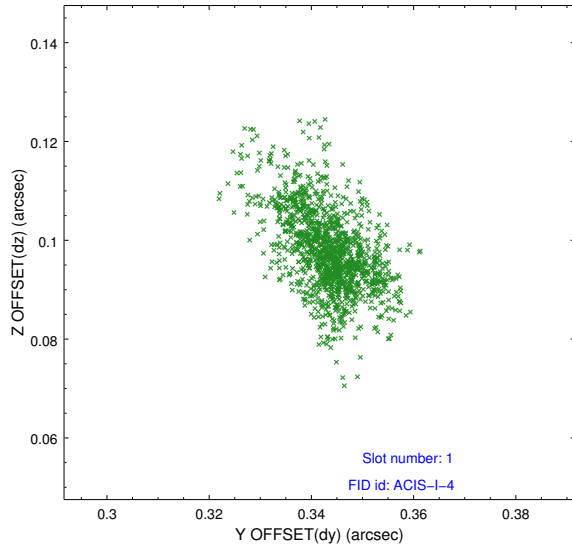


2.5 FID Slots

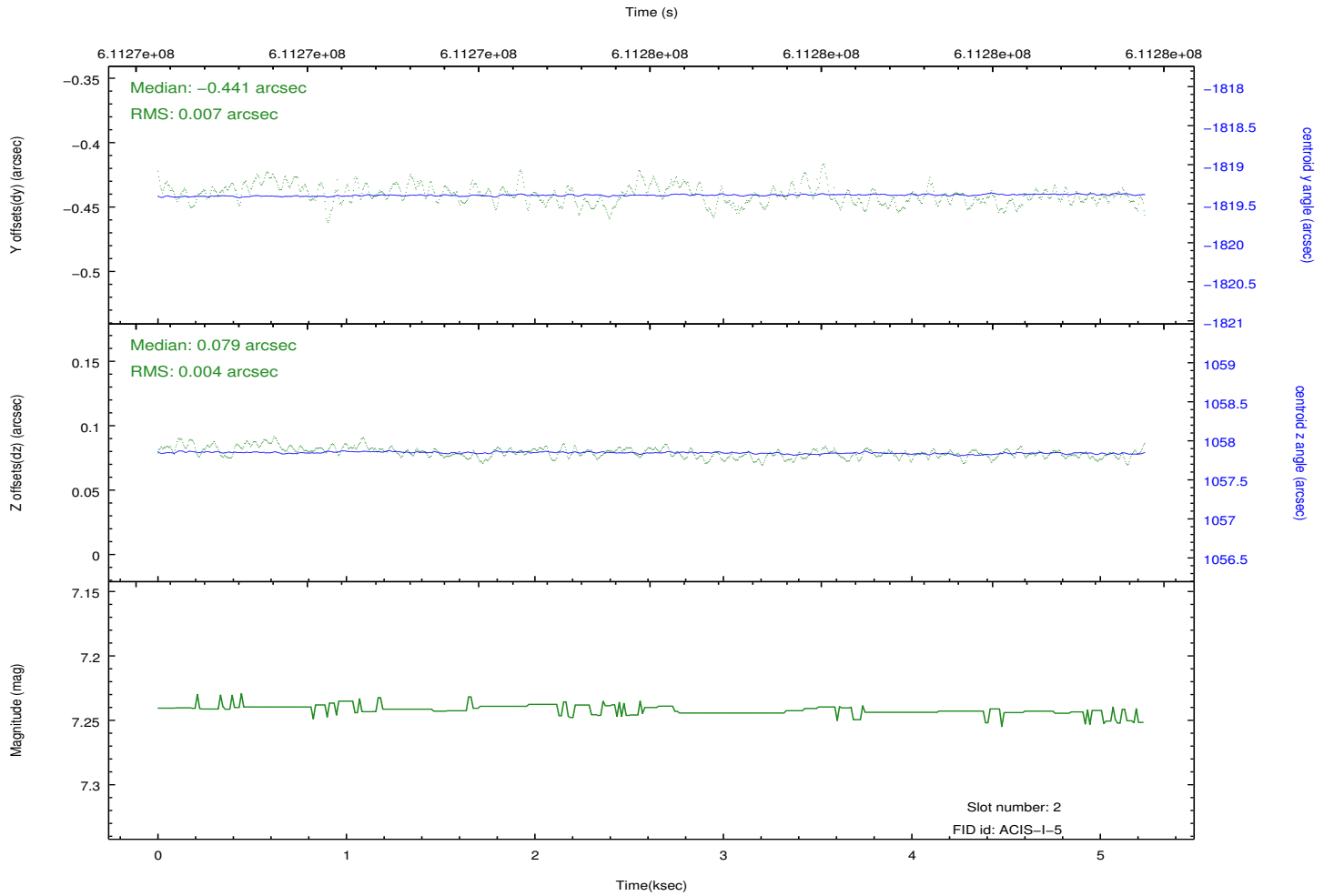
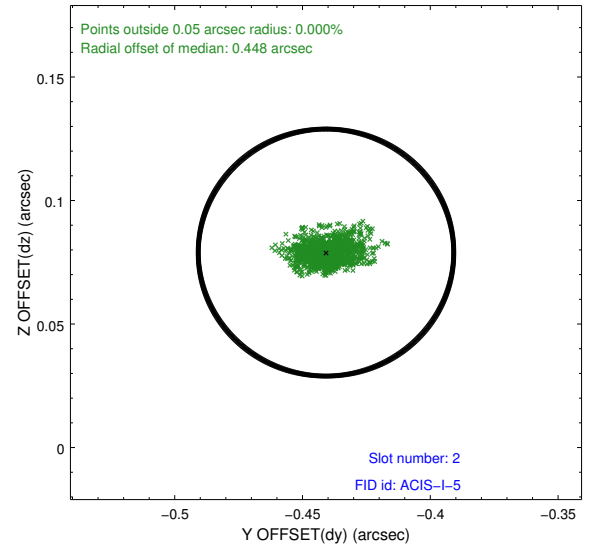
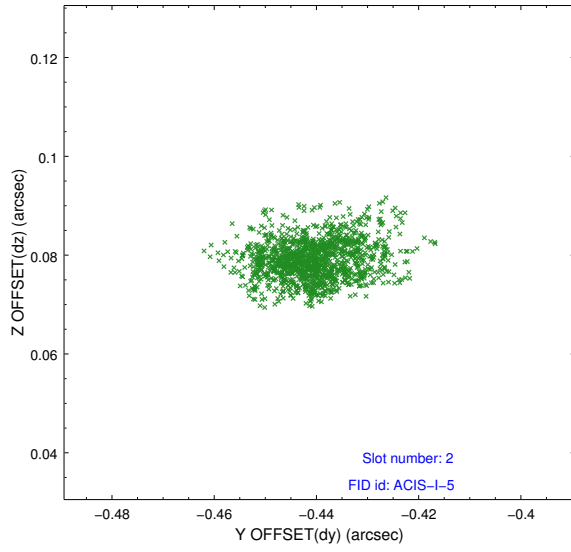
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2017.05.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0685000391006

A.2 Comments