

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9842 - L2 Version 2
Chandra X-Ray Center

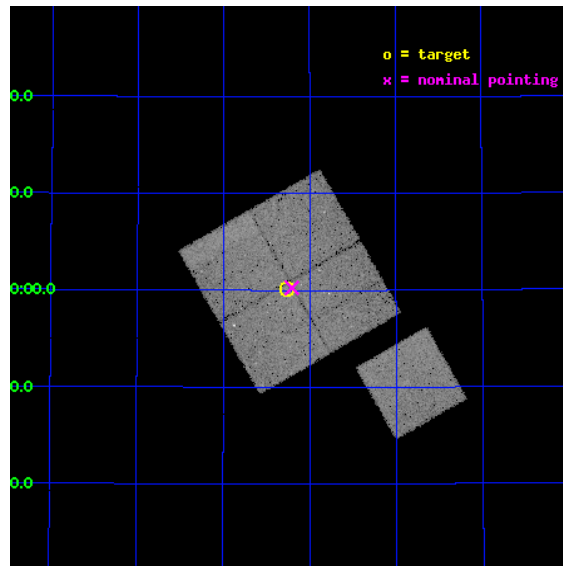
L2 Processing Date : May 12 2012

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1 Front

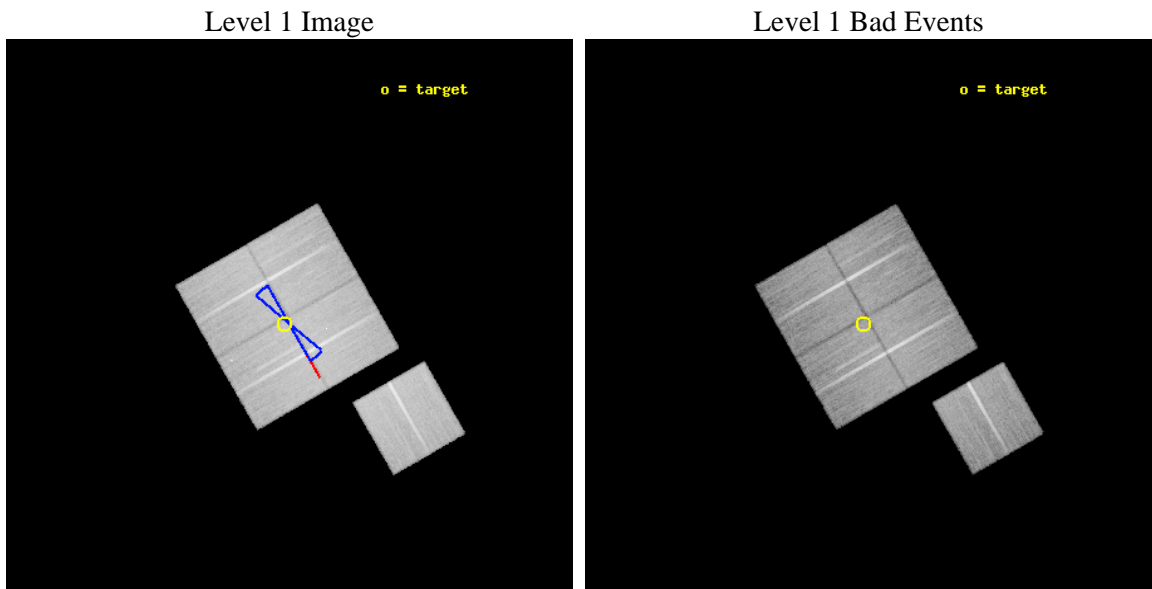
seq_num	900796	Sequence number
obs_id	9842	Observation id
title	The Evolution of Faint AGN at High Redshift	Proposal title
observer	Prof Kirpal Nandra	Principal investigator
object	AEGIS-1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	215.064583	Observer's specified target RA [deg]
dec_targ	53.002694	Observer's specified target Dec [deg]
ra_nom	215.05145160821	Nominal RA [deg]
dec_nom	53.004448481578	Nominal Dec [deg]
roll_nom	150.21918336598	Nominal Roll [deg]
revision	2	Processing version of data
ontime	30845.000237226	Sum of GTIs [s]
livetime	30441.987601368	Livetime [s]
ontime0	30832.436305881	Sum of GTIs [s]
ontime1	30838.718246877	Sum of GTIs [s]
ontime2	30845.000237226	Sum of GTIs [s]
ontime3	30845.000237226	Sum of GTIs [s]
ontime6	30841.859247029	Sum of GTIs [s]
l2events	106099	Number of level 2 events



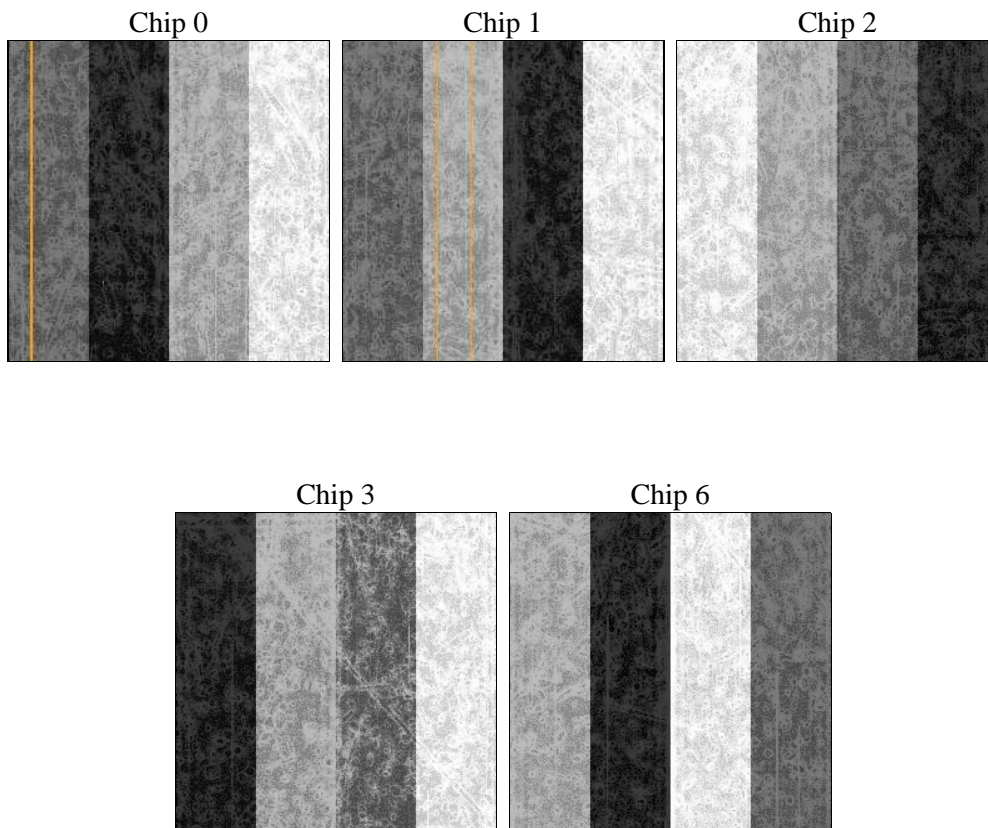
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	30800.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	30845.000237226	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	30832.436305881	Sum of GTIs [s]
date	2012-05-12T13:57:47	Date and time of file creation	ontime1	30838.718246877	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	30845.000237226	Sum of GTIs [s]
			ontime3	30845.000237226	Sum of GTIs [s]
			ontime6	30841.859247029	Sum of GTIs [s]
			l1events	1220516	Number of level 1 events

2.1.4 Events

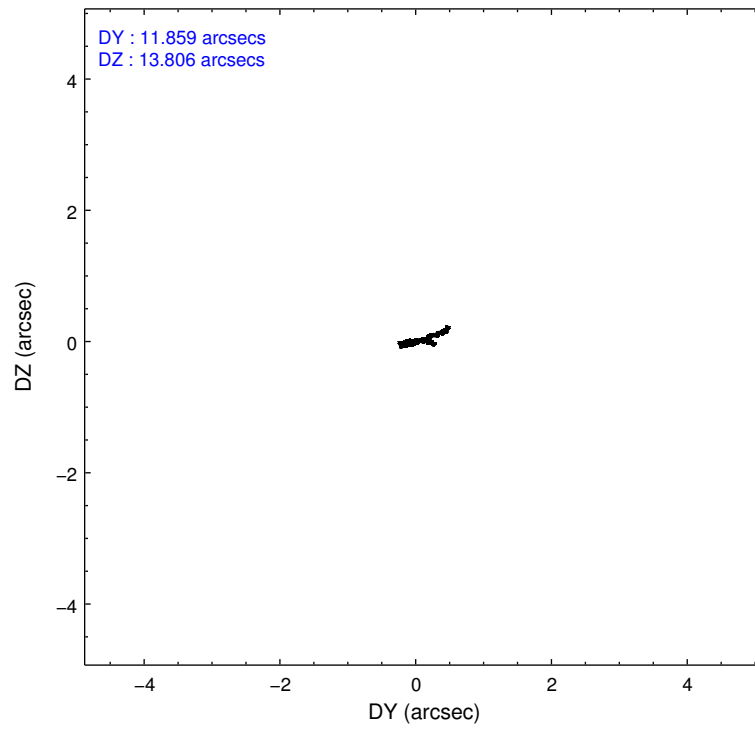
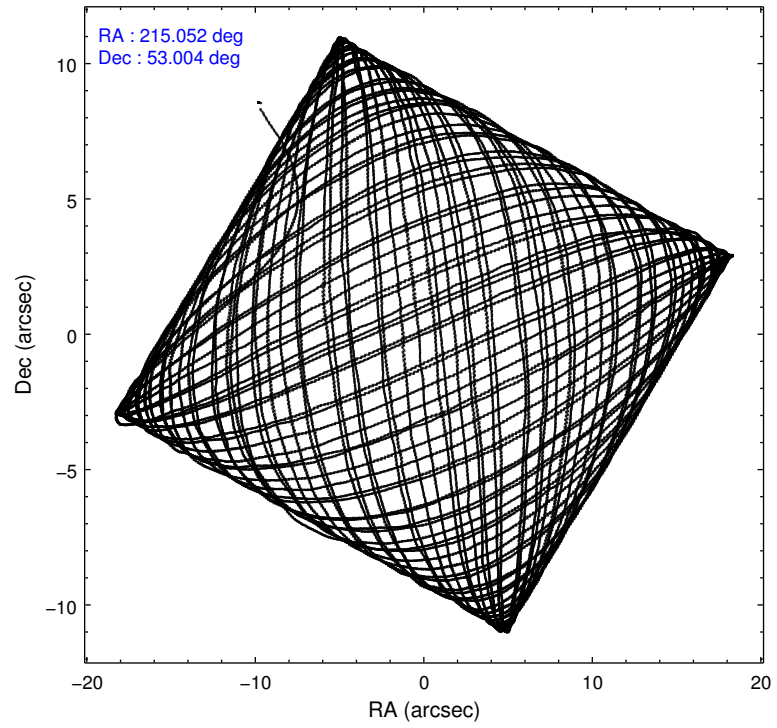
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	234913	230464	260732	246767	247640
rejected events	209666	202500	235600	223094	222038
rejected %	89%	87%	90%	90%	89%

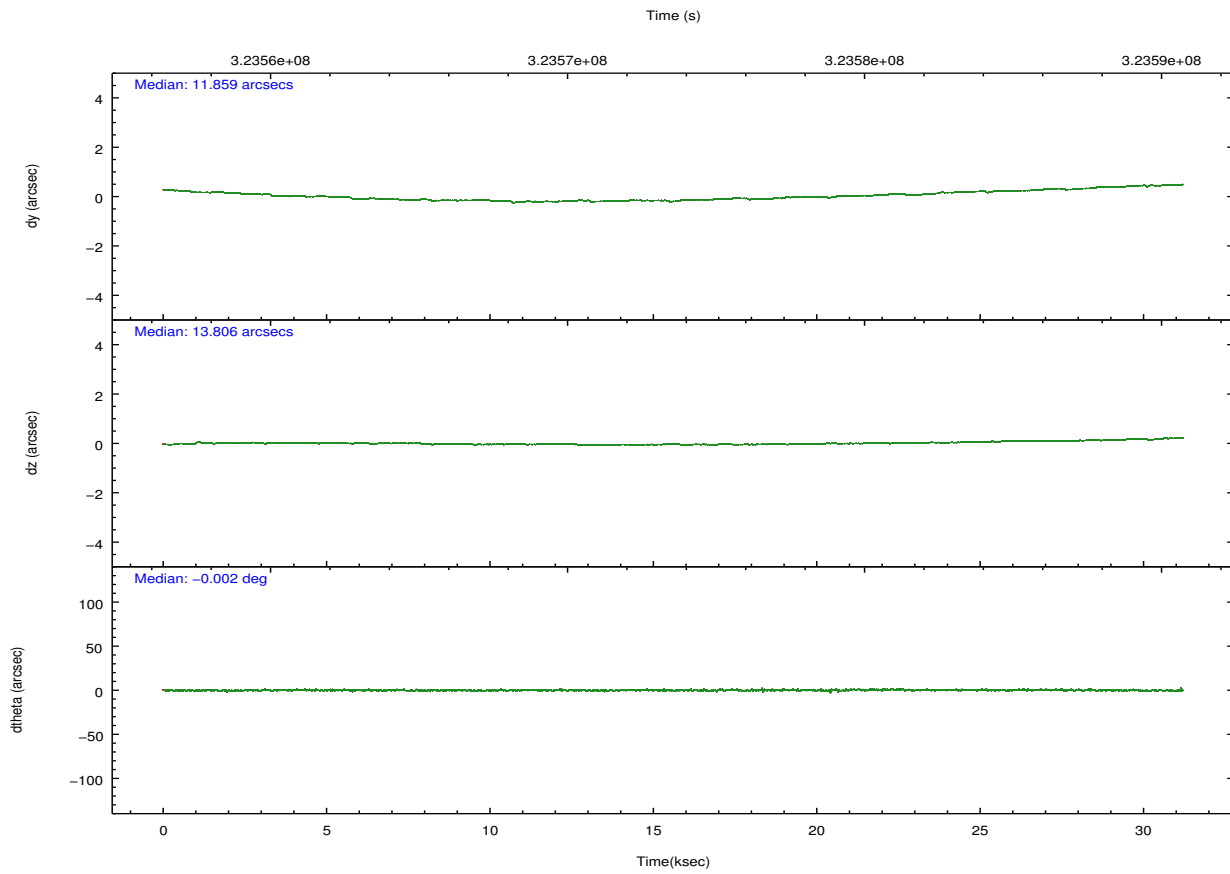
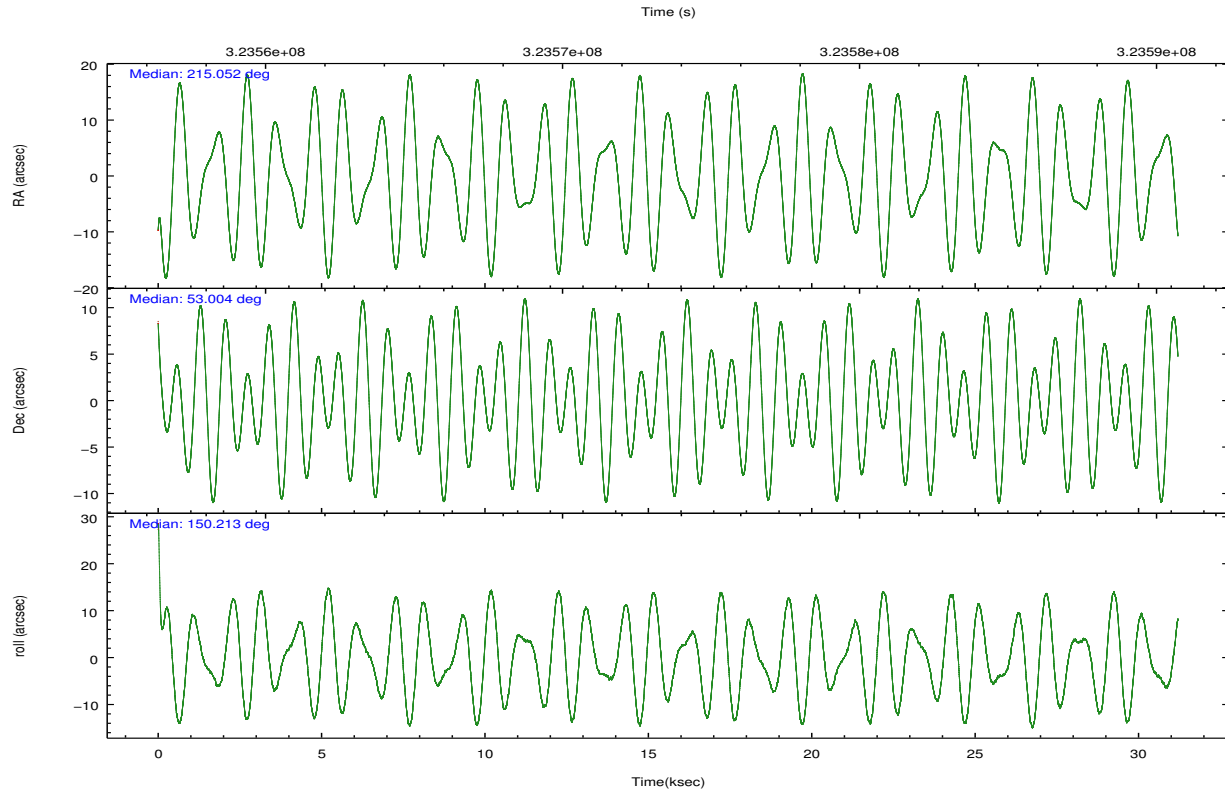
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	8843	10012	9191	8416	8730
	3%	4%	3%	3%	3%
grade 1 events	136	113	150	142	111
	0%	0%	0%	0%	0%
grade 2 events	6012	6351	5911	5336	5733
	2%	2%	2%	2%	2%
grade 3 events	2875	3001	2628	2639	2843
	1%	1%	1%	1%	1%
grade 4 events	2612	2988	2745	2595	2851
	1%	1%	1%	1%	1%
grade 5 events	8917	9871	8400	10156	9803
	3%	4%	3%	4%	3%
grade 6 events	4908	5616	4661	4690	5448
	2%	2%	1%	1%	2%
grade 7 events	200610	192512	227046	212793	212121
	85%	83%	87%	86%	85%

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	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	215.097166	215.0514516082059	CCD I2 on	Y	Y
[deg] Pointing Dec	53.004646	53.00444848157804	CCD I3 on	Y	Y
[deg] Pointing Roll	149.973978	150.2191833659827	CCD S0 on	N	N
[deg] Roll angle	50.000000	50.000000	CCD S1 on	N	N
[deg] Roll tolerance	10.000000	10.000000	CCD S2 on	O1	Y
Roll constraint allows 180D rotation	Y	Y	CCD S3 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S4 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S5 on	N	N
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	Number of optional ACIS chips dropped	0	0
[mm] SIM translation stage offset	0	-0.005018542100998502	On-chip summing requested	N	N
[s] Observation start time (MET)	323558358.184000	323557319.99244	Subarray requested	NONE	NONE
Observation start date	2008-04-02T21:18:13	2008-04-02T21:01:59	Alternating exposures requested	N	N
[s] Observation end time (MET)	323589158.184000	323589719.73151	[s] Primary exposure time	0.000000	3.1
Observation end date	2008-04-03T05:51:33	2008-04-03T06:01:59			
Read mode	TIMED	TIMED			

2.3 Aspect



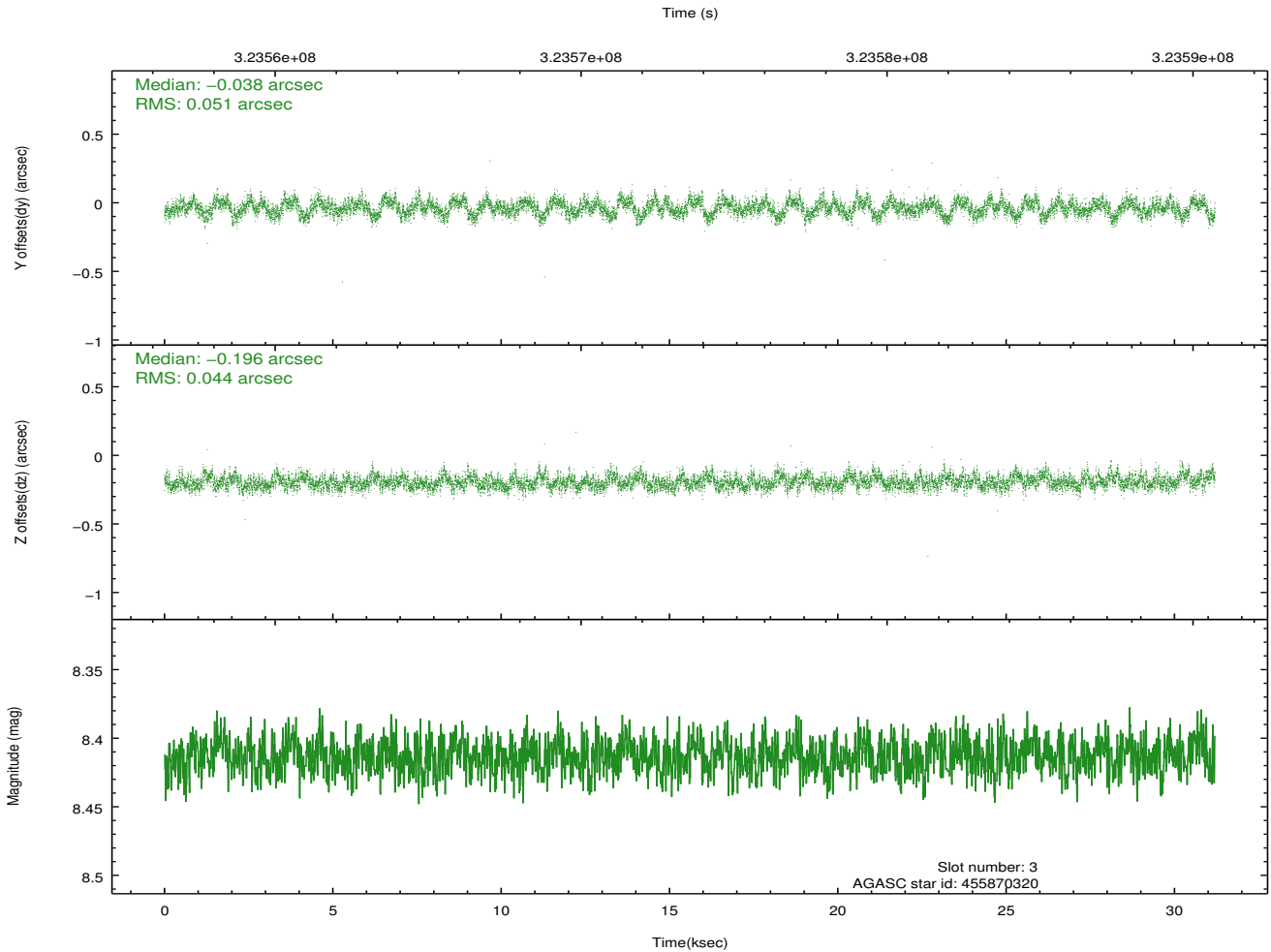
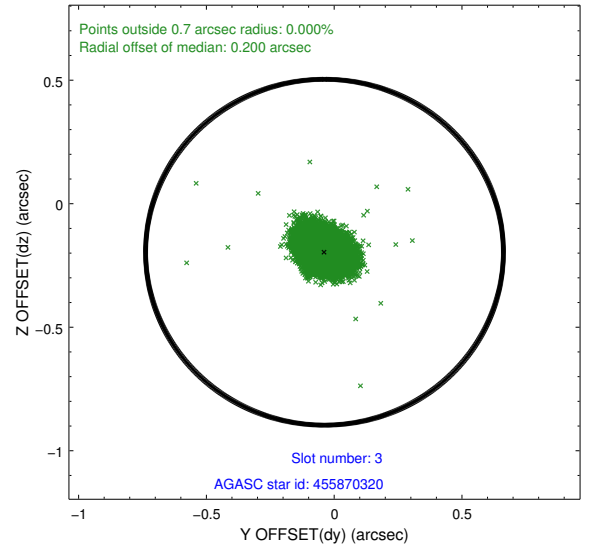
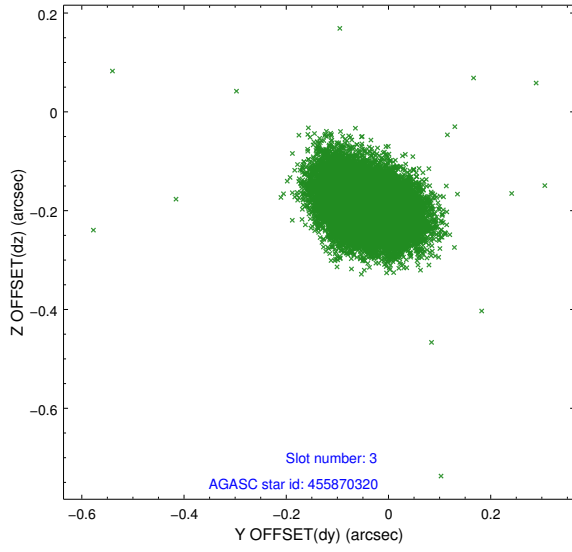


Slot Statistics

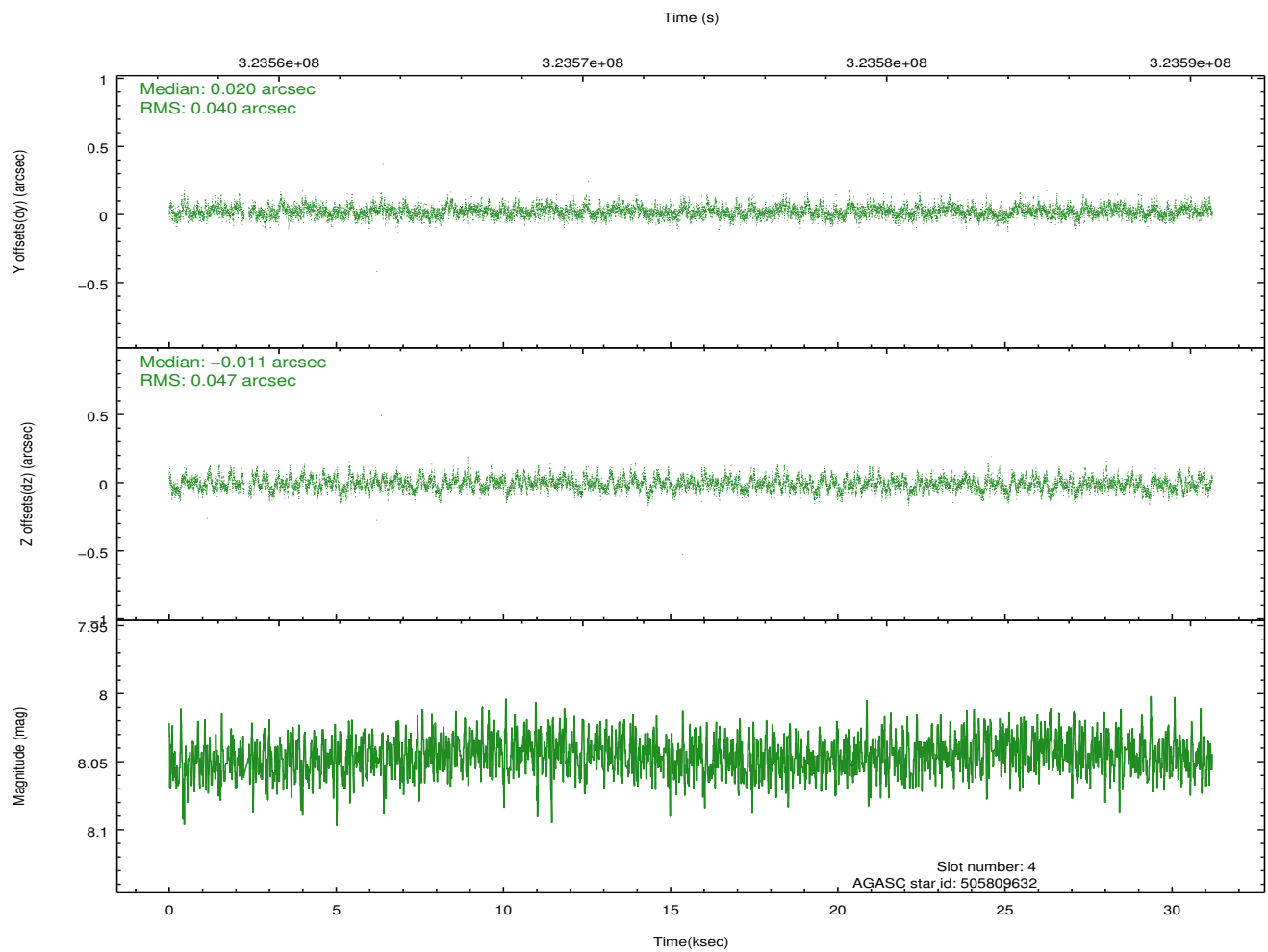
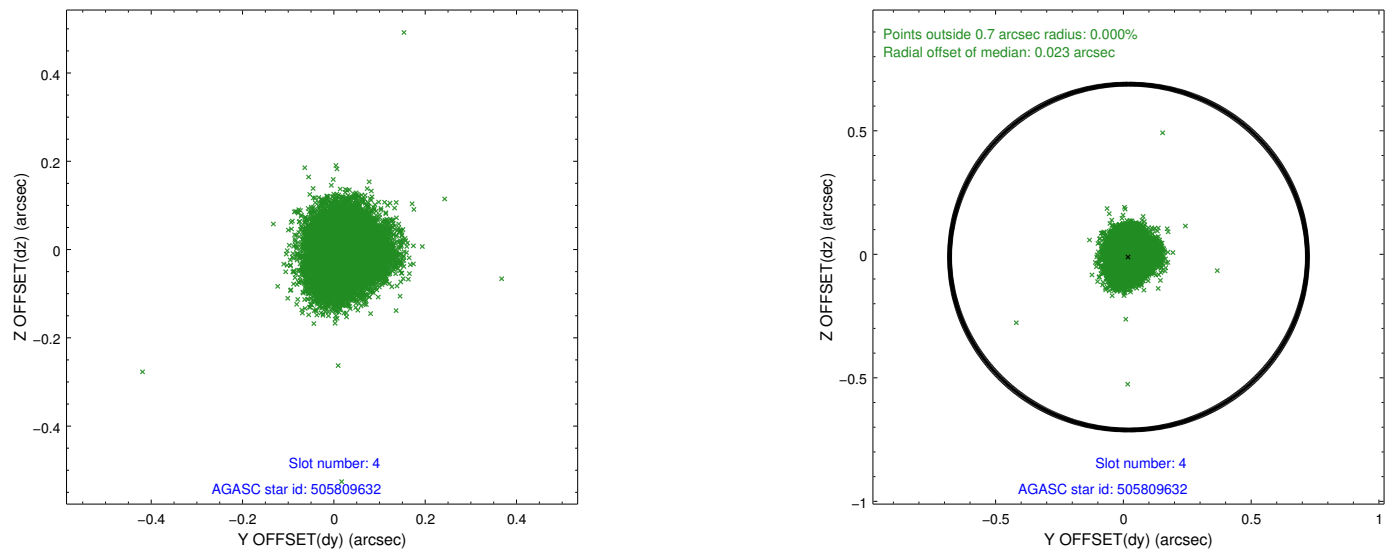
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	7611	-0.019	0.035	0.009	0.016	0.000000	0.000000	927.63	-837.36
1	FID	ACIS-I-4	7.17	7608	0.155	0.009	0.012	0.020	0.000000	0.000000	2147.89	1062.38
2	FID	ACIS-I-5	7.22	7611	-0.233	0.027	0.011	0.020	0.000000	0.000000	-1820.49	1060.35
3	GUIDE	455870320	8.41	15217	-0.038	-0.196	0.070	0.115	214.874440	52.401638	-662.54	2123.65
4	GUIDE	505809632	8.05	15155	0.020	-0.011	0.065	0.106	215.499426	53.521185	186.70	-2042.53
5	GUIDE	505812088	8.15	15215	0.080	-0.025	0.071	0.117	214.186617	53.263562	2170.42	163.55
6	GUIDE	505812376	7.58	15222	0.013	0.106	0.051	0.082	214.039537	52.937930	1875.18	1342.04
7	GUIDE	505815928	8.31	15219	-0.074	0.126	0.057	0.093	216.234742	53.074559	-1994.01	-1465.73

2.4 Star Slots

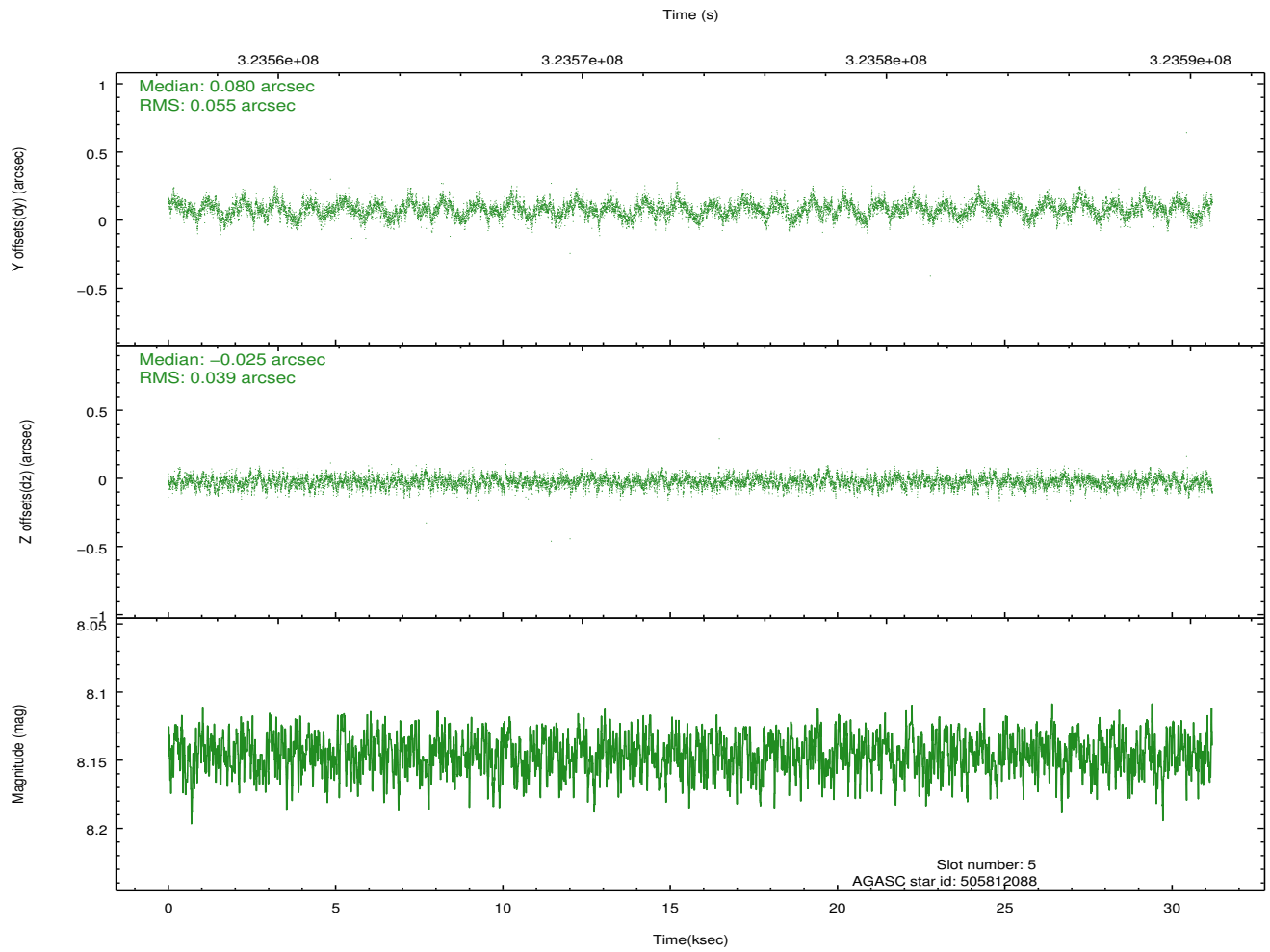
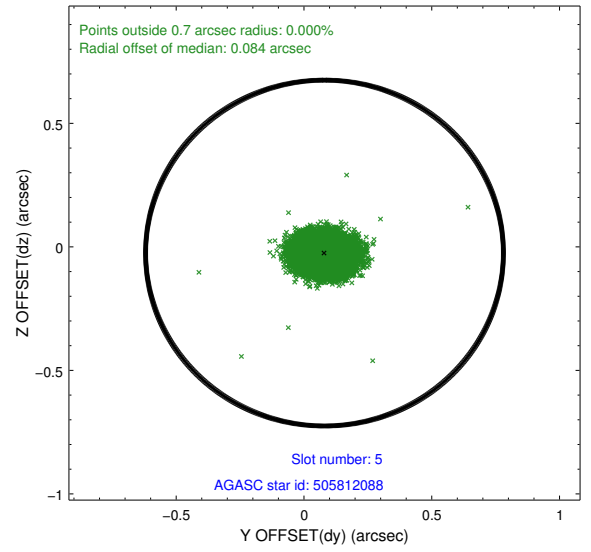
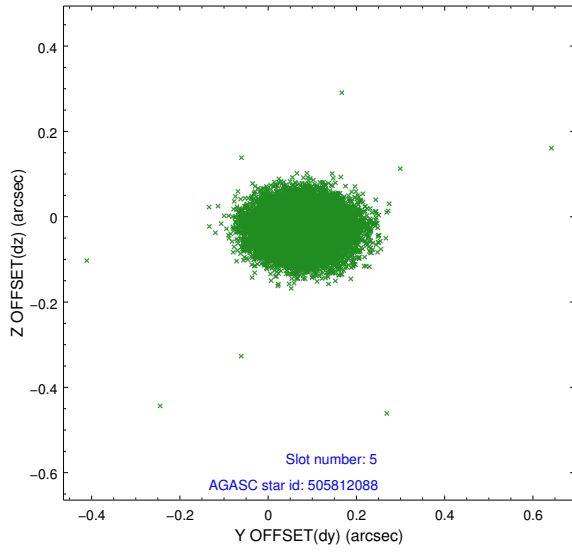
2.4.1 Slot 3



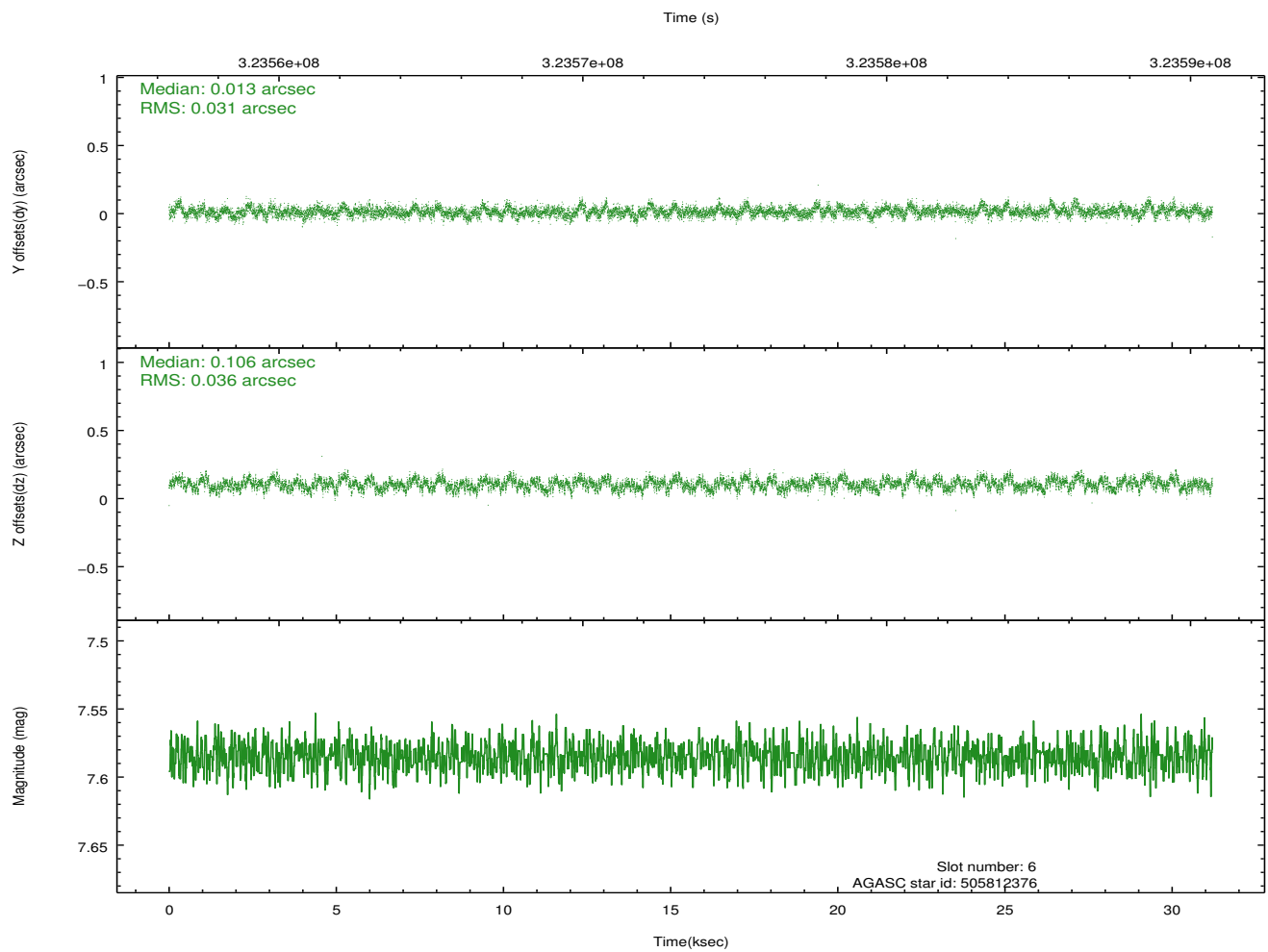
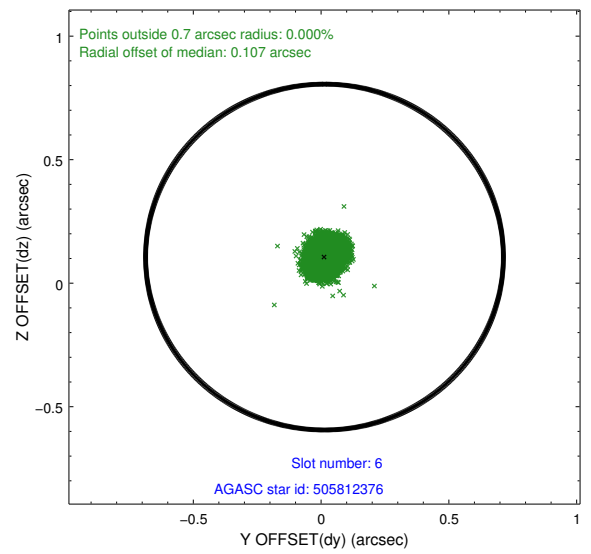
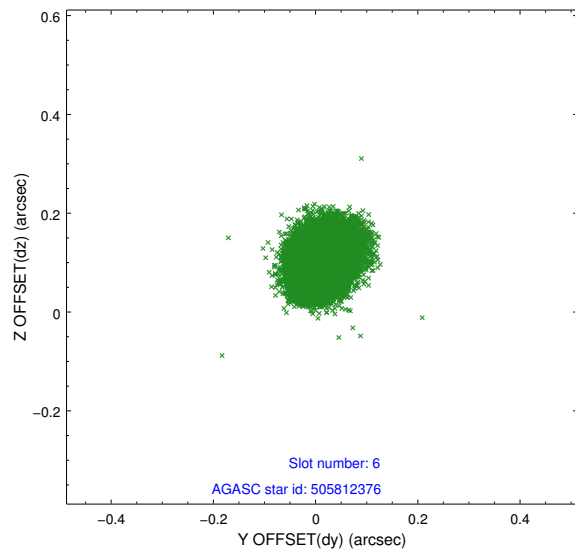
2.4.2 Slot 4



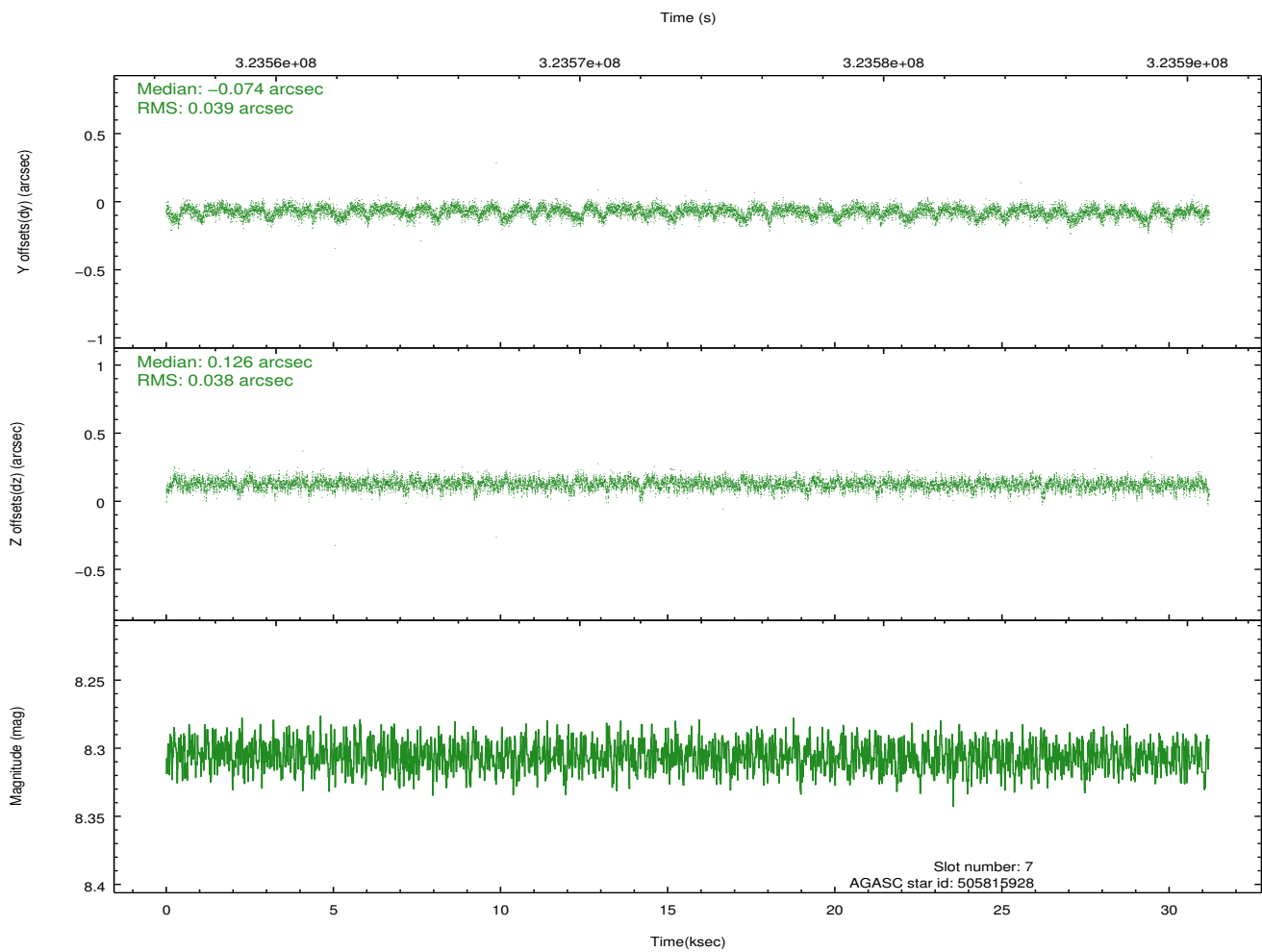
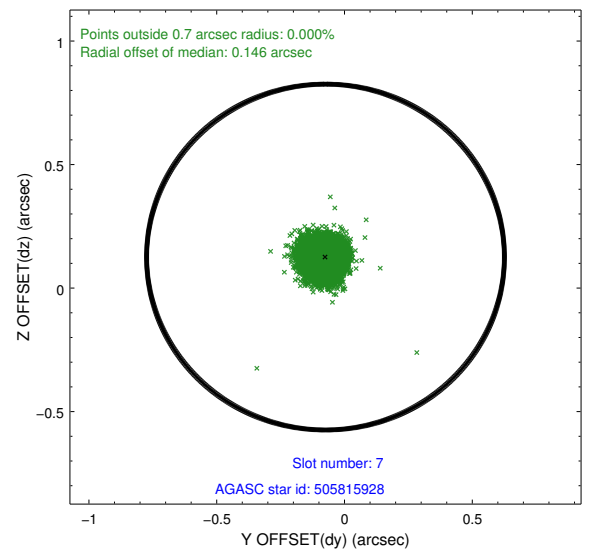
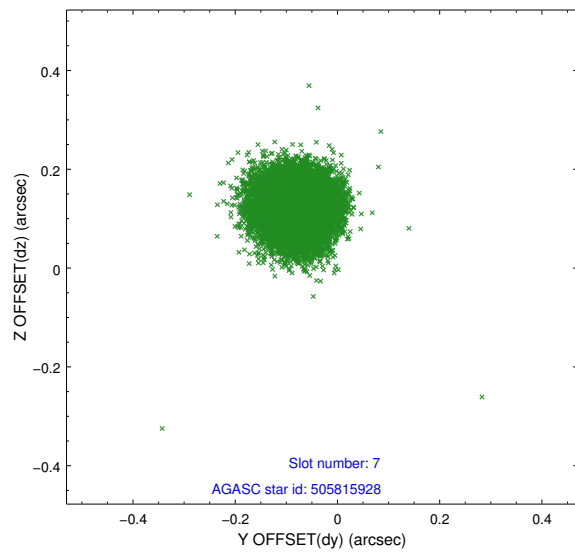
2.4.3 Slot 5



2.4.4 Slot 6

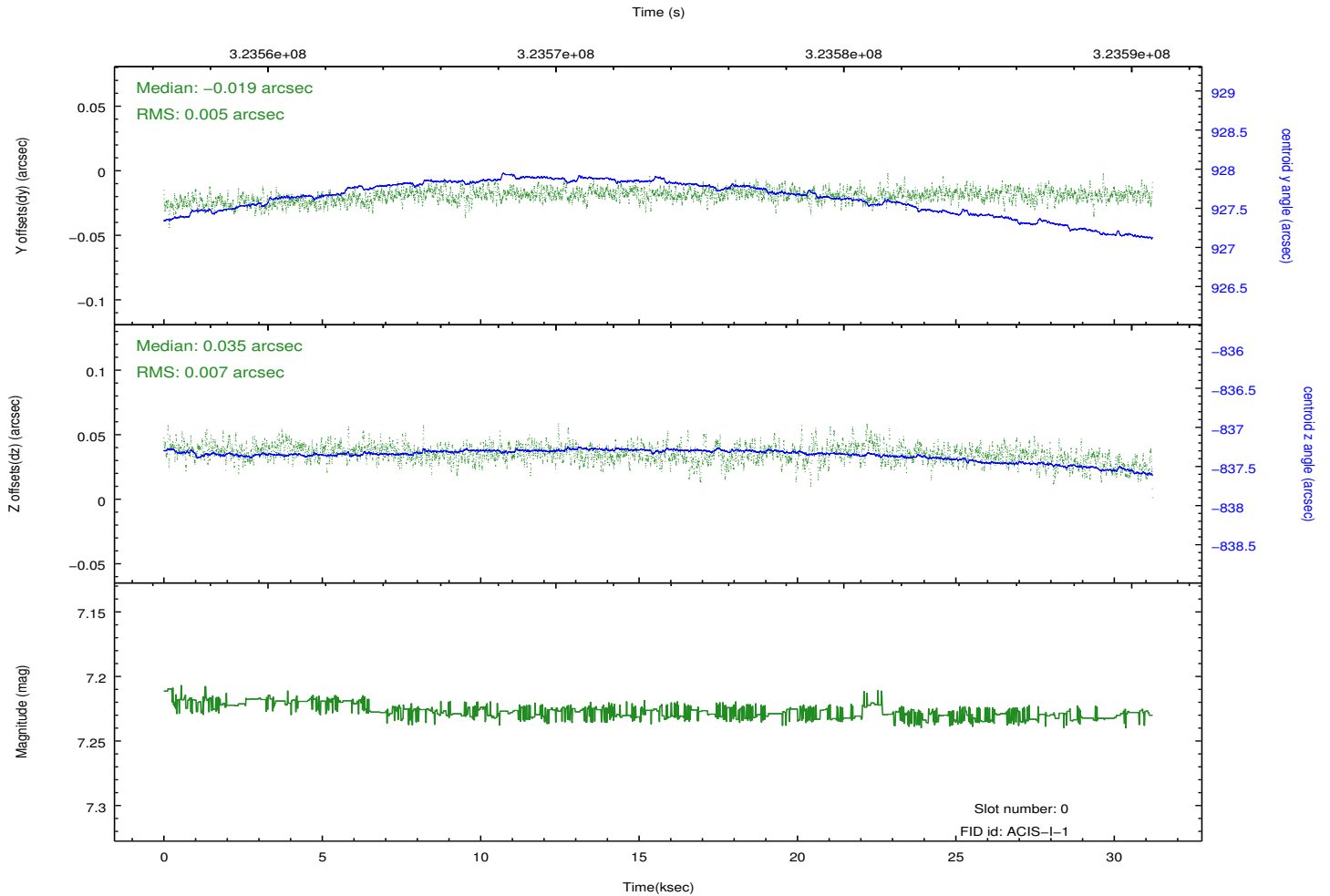
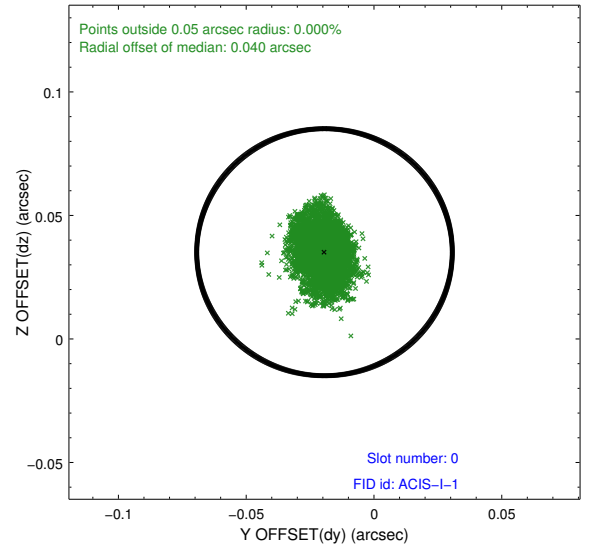
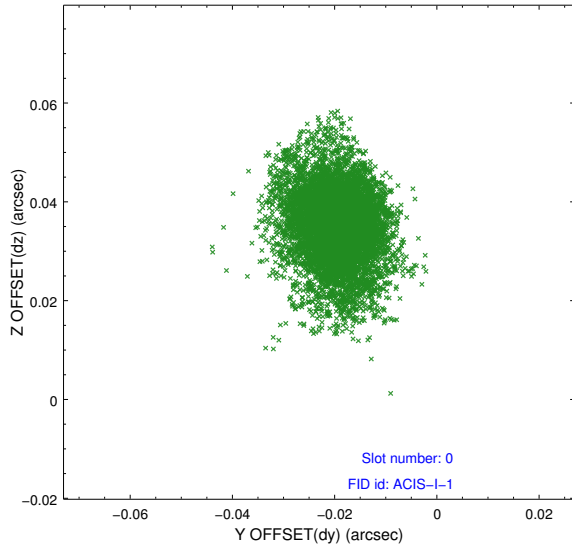


2.4.5 Slot 7

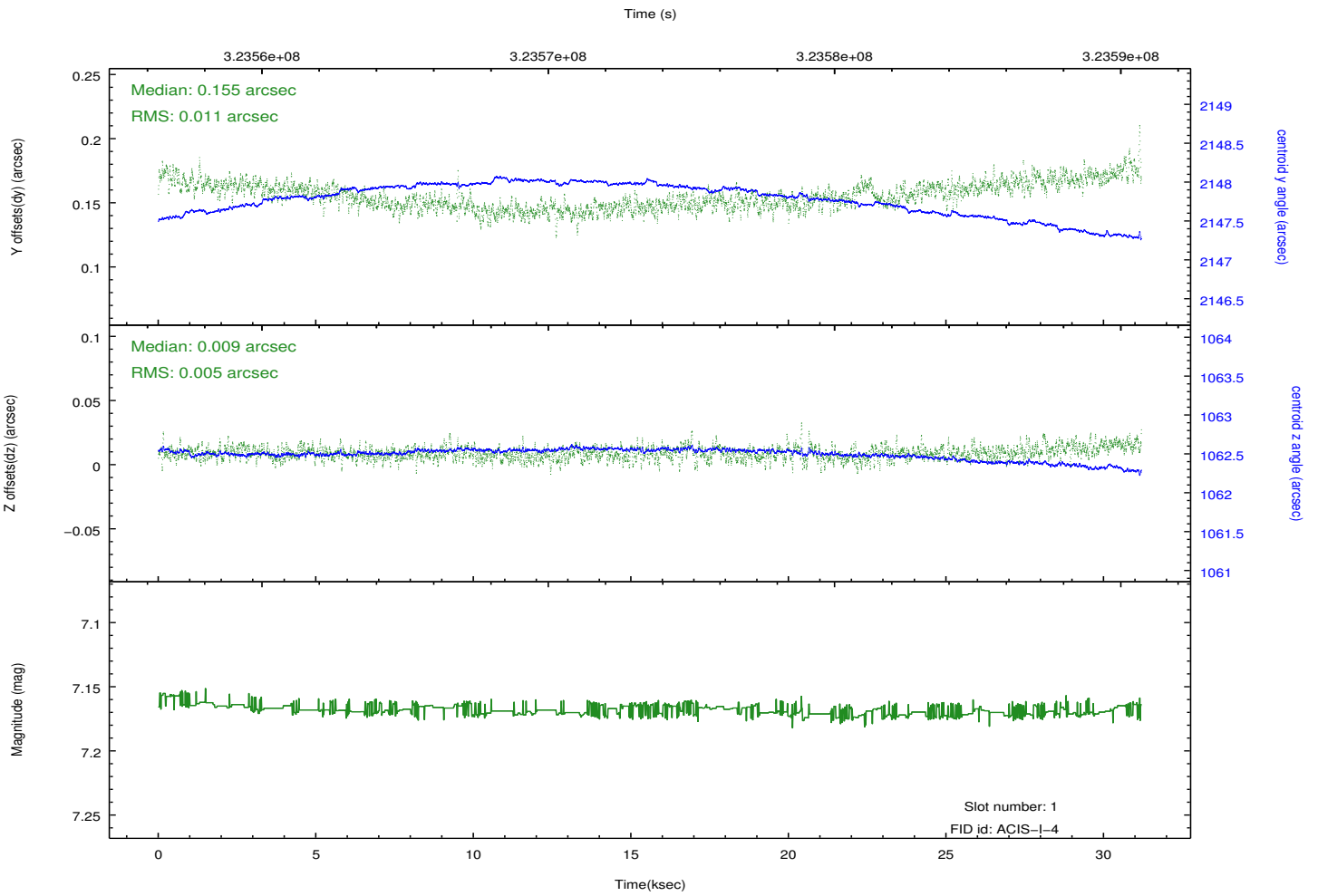
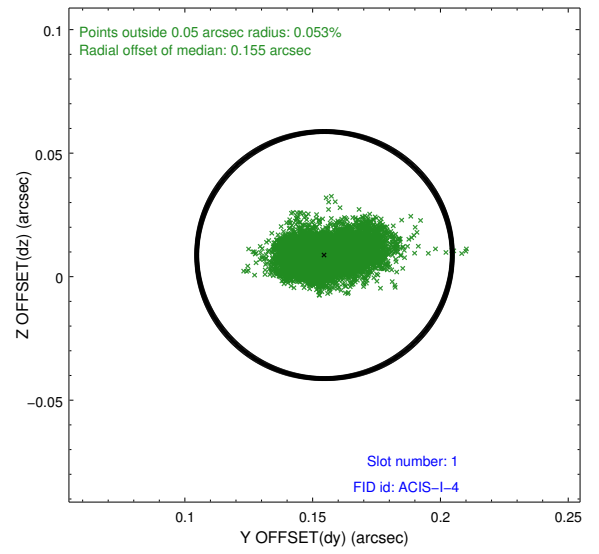
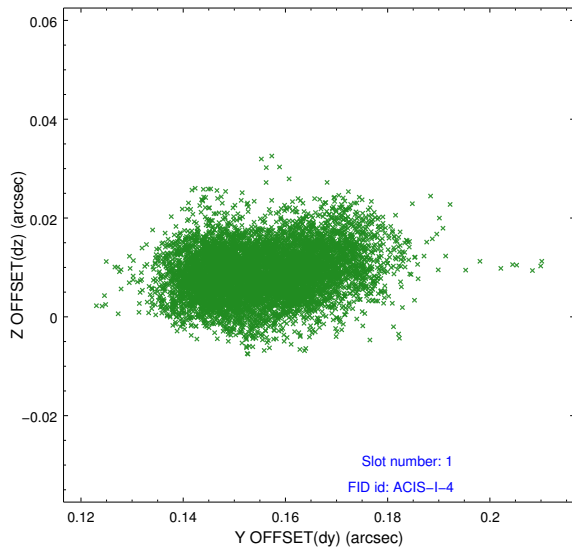


2.5 FID Slots

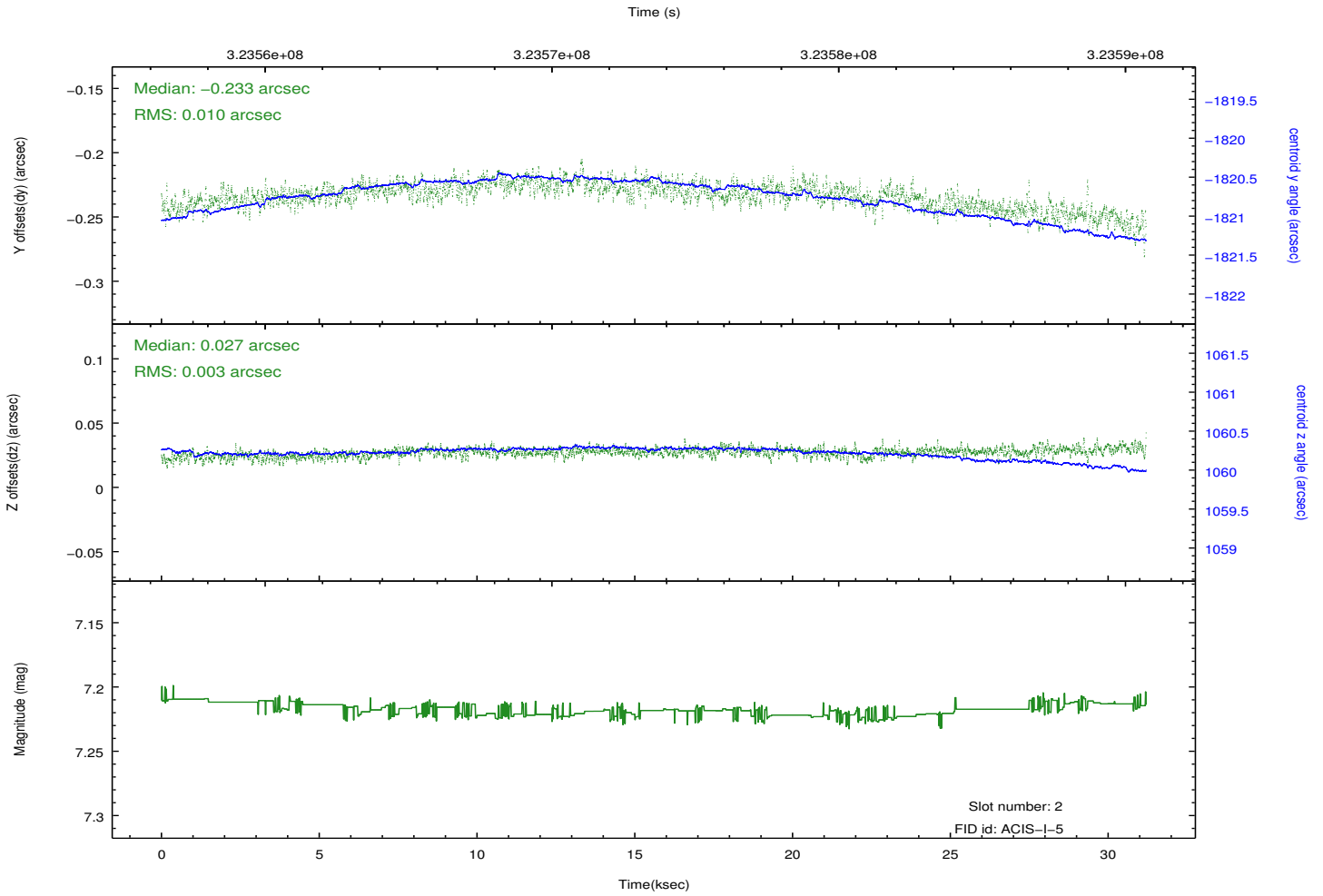
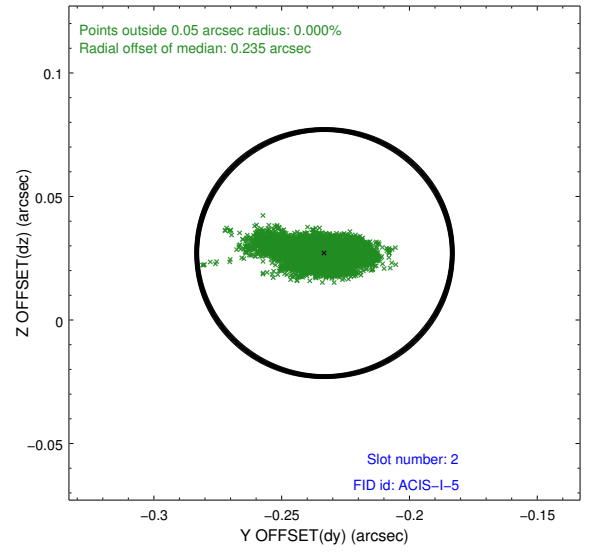
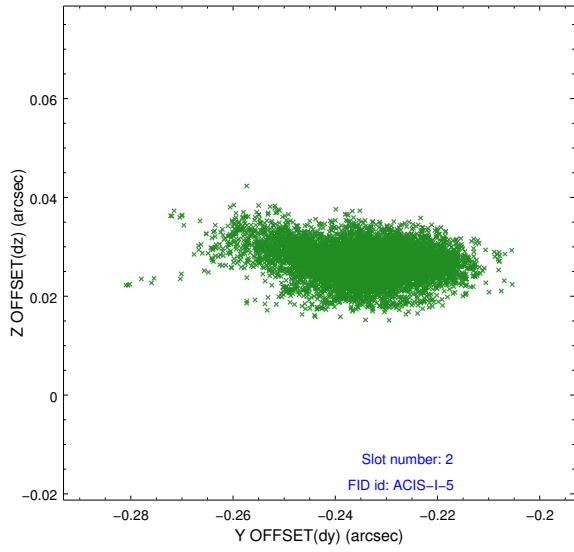
2.5.1 Slot 0



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)	2012.05.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.8450002

A.2 Comments

Joint proposal with Spitzer.