

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9731 - L2 Version 2
Chandra X-Ray Center

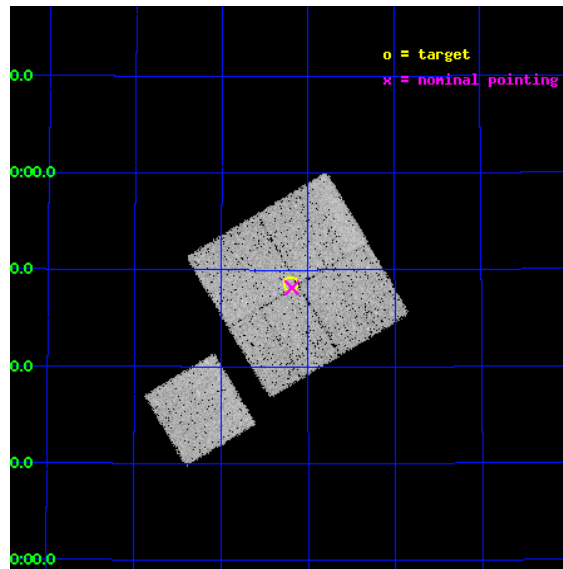
L2 Processing Date : May 17 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

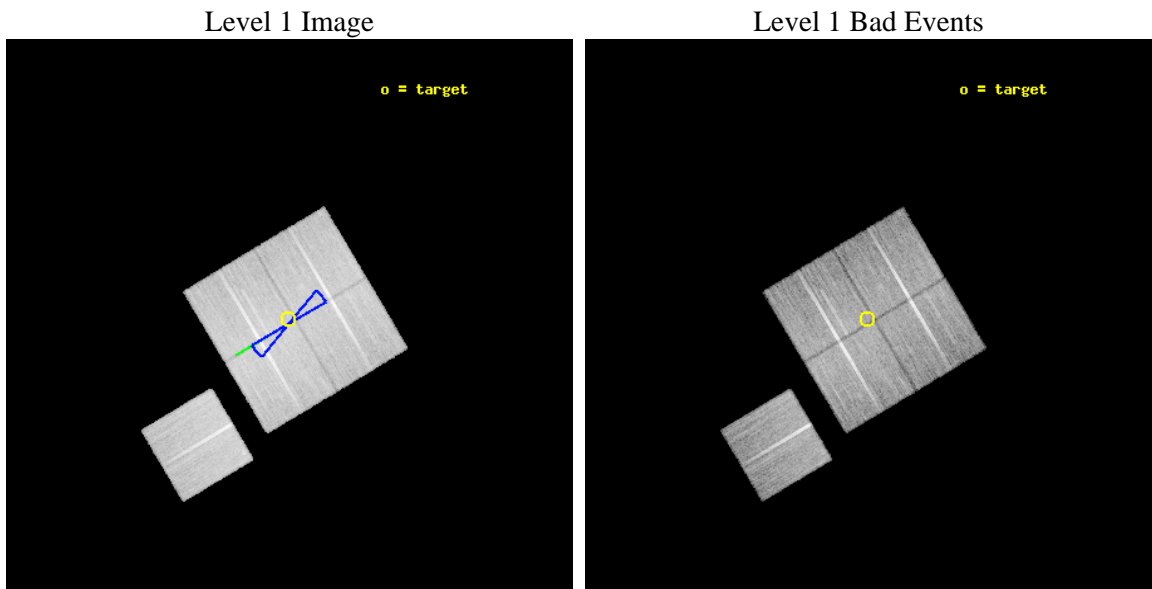
seq_num	900797	Sequence number
obs_id	9731	Observation id
title	The Evolution of Faint AGN at High Redshift	Proposal title
observer	Prof Kirpal Nandra	Principal investigator
object	AEGIS-2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	214.8	Observer's specified target RA [deg]
dec_targ	52.810611	Observer's specified target Dec [deg]
ra_nom	214.79687700851	Nominal RA [deg]
dec_nom	52.802752803563	Nominal Dec [deg]
roll_nom	239.21118272075	Nominal Roll [deg]
revision	2	Processing version of data
ontime	21661.790502906	Sum of GTIs [s]
livetime	21378.763262807	Livetime [s]
ontime0	21658.526402593	Sum of GTIs [s]
ontime1	21661.708432674	Sum of GTIs [s]
ontime2	21652.32664144	Sum of GTIs [s]
ontime3	21661.790502906	Sum of GTIs [s]
ontime6	21658.485352457	Sum of GTIs [s]
l2events	73520	Number of level 2 events



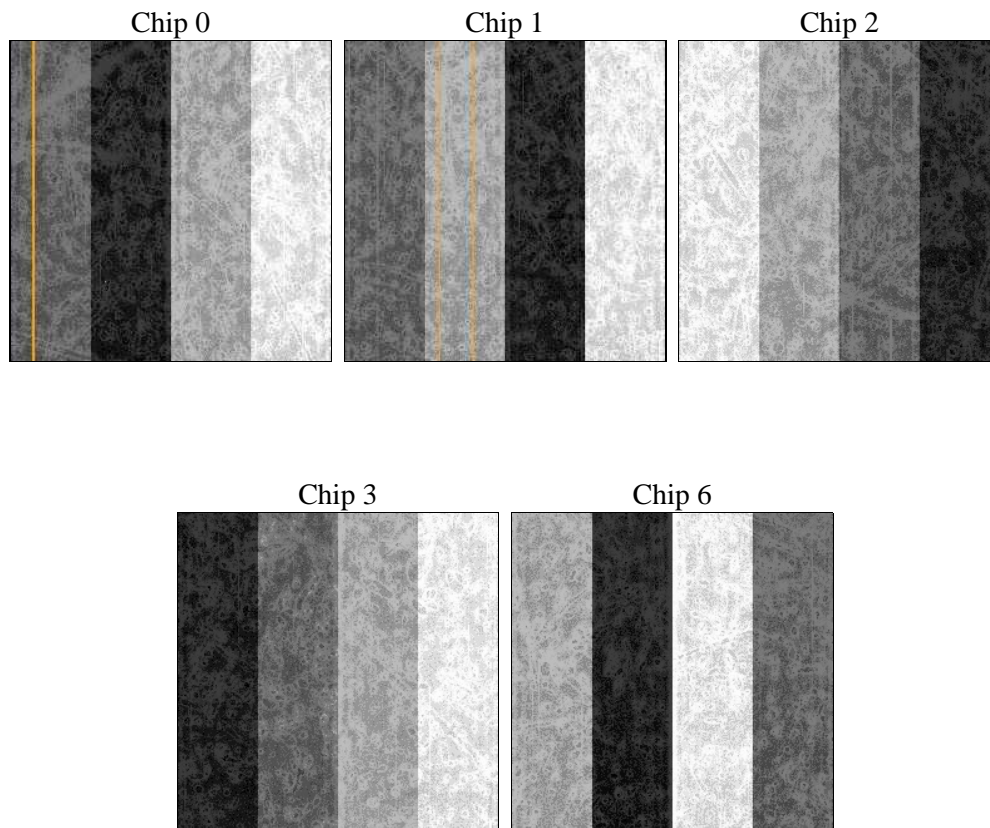
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	21618.943000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	21661.790502906	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	21658.526402593	Sum of GTIs [s]
date	2012-05-17T15:55:21	Date and time of file creation	ontime1	21661.708432674	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	21652.32664144	Sum of GTIs [s]
			ontime3	21661.790502906	Sum of GTIs [s]
			ontime6	21658.485352457	Sum of GTIs [s]
			l1events	851713	Number of level 1 events

2.1.4 Events

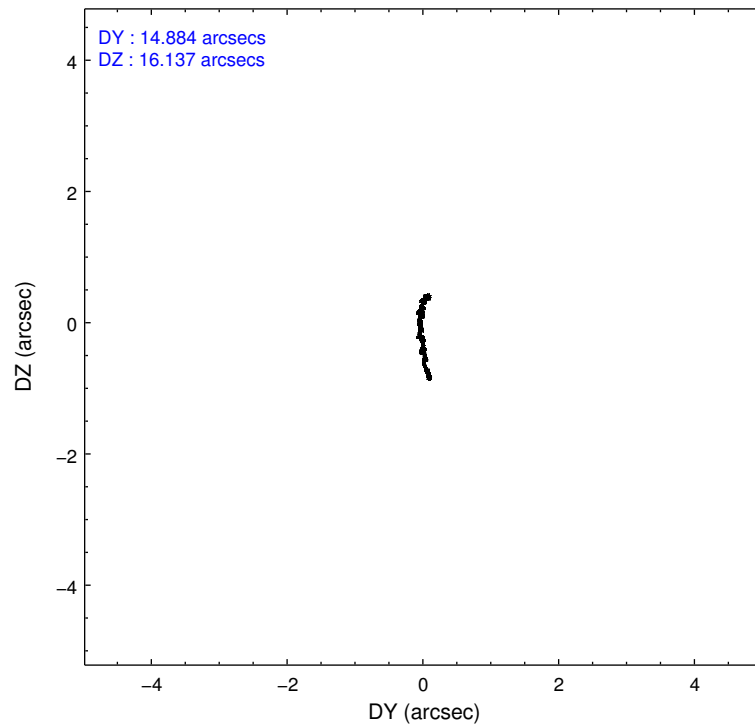
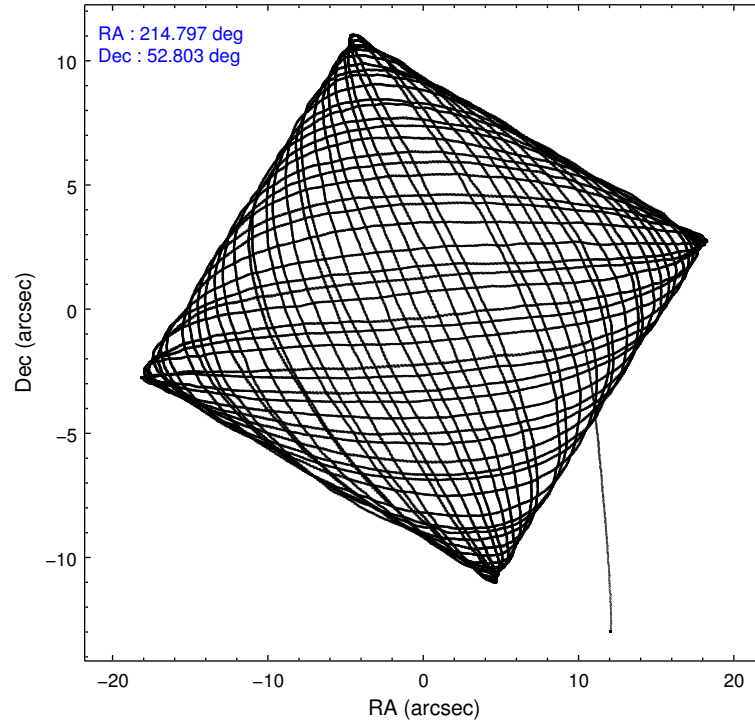
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	160885	164091	184832	170226	171679
rejected events	143445	144483	167572	153886	153443
rejected %	89%	88%	90%	90%	89%

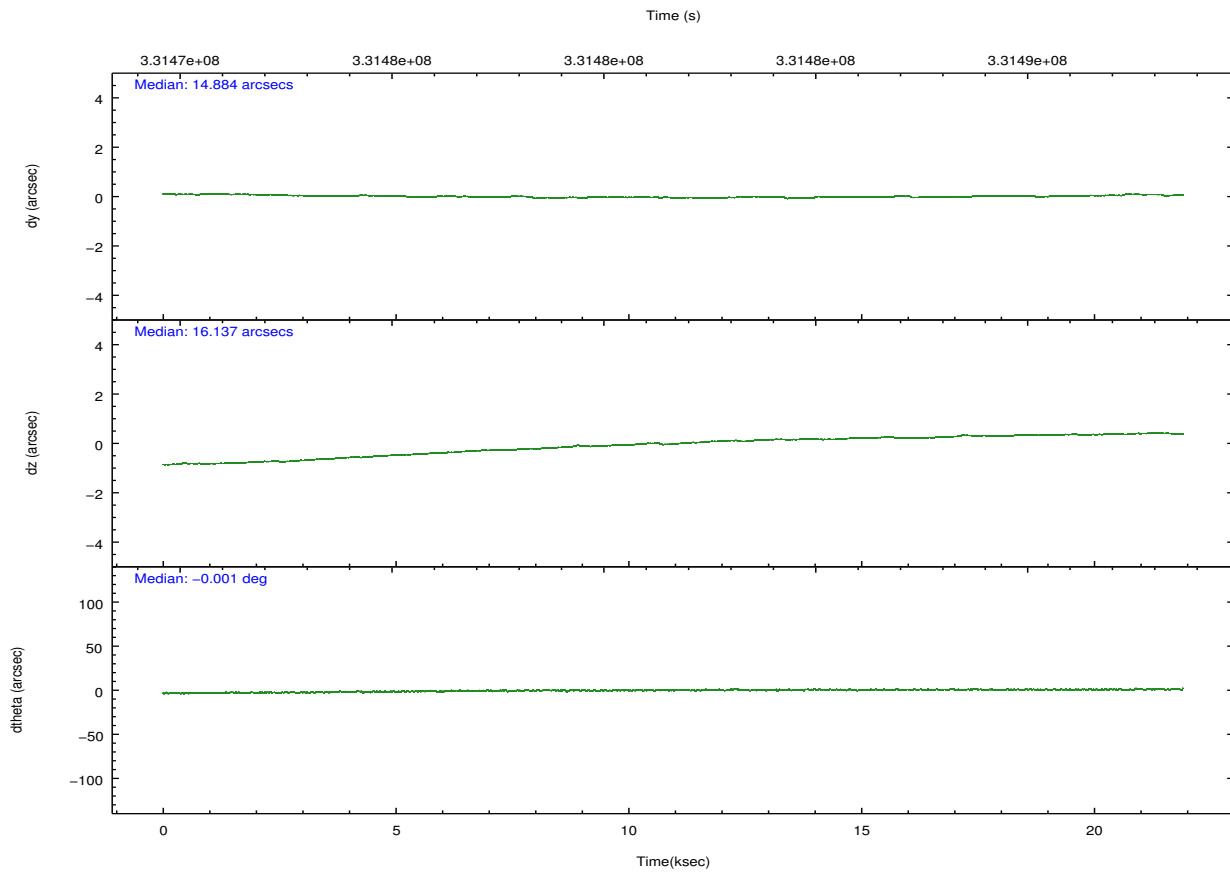
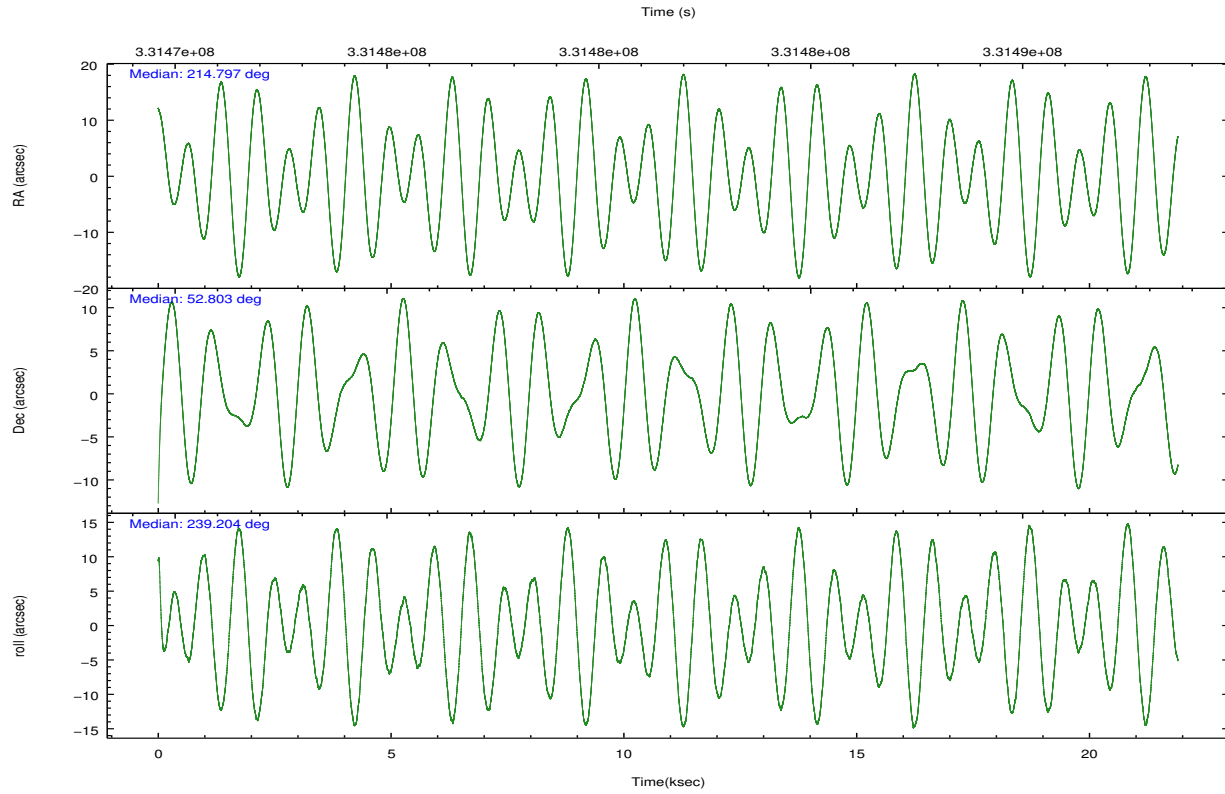
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	6106	6967	6141	5700	6481
	3%	4%	3%	3%	3%
grade 1 events	94	89	98	98	127
	0%	0%	0%	0%	0%
grade 2 events	4249	4400	4258	3628	3898
	2%	2%	2%	2%	2%
grade 3 events	1966	2081	1842	1842	2019
	1%	1%	0%	1%	1%
grade 4 events	1760	2078	1836	1804	1945
	1%	1%	0%	1%	1%
grade 5 events	6156	6729	6043	7154	7185
	3%	4%	3%	4%	4%
grade 6 events	3363	4086	3189	3371	3901
	2%	2%	1%	1%	2%
grade 7 events	137191	137661	161425	146629	146123
	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	214.797332	214.7968770085066	CCD I2 on	Y	Y
[deg] Pointing Dec	52.830238	52.80275280356297	CCD I3 on	Y	Y
[deg] Pointing Roll	239.002128	239.2111827207464	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)	331470969.184000	331469927.29097	Subarray requested	NONE	NONE
Observation start date	2008-07-03T11:15:04	2008-07-03T10:58:47	Alternating exposures requested	N	N
[s] Observation end time (MET)	331492588.184000	331492824.25459	[s] Primary exposure time	0.000000	3.1
Observation end date	2008-07-03T17:15:23	2008-07-03T17:20:24			
Read mode	TIMED	TIMED			

2.3 Aspect



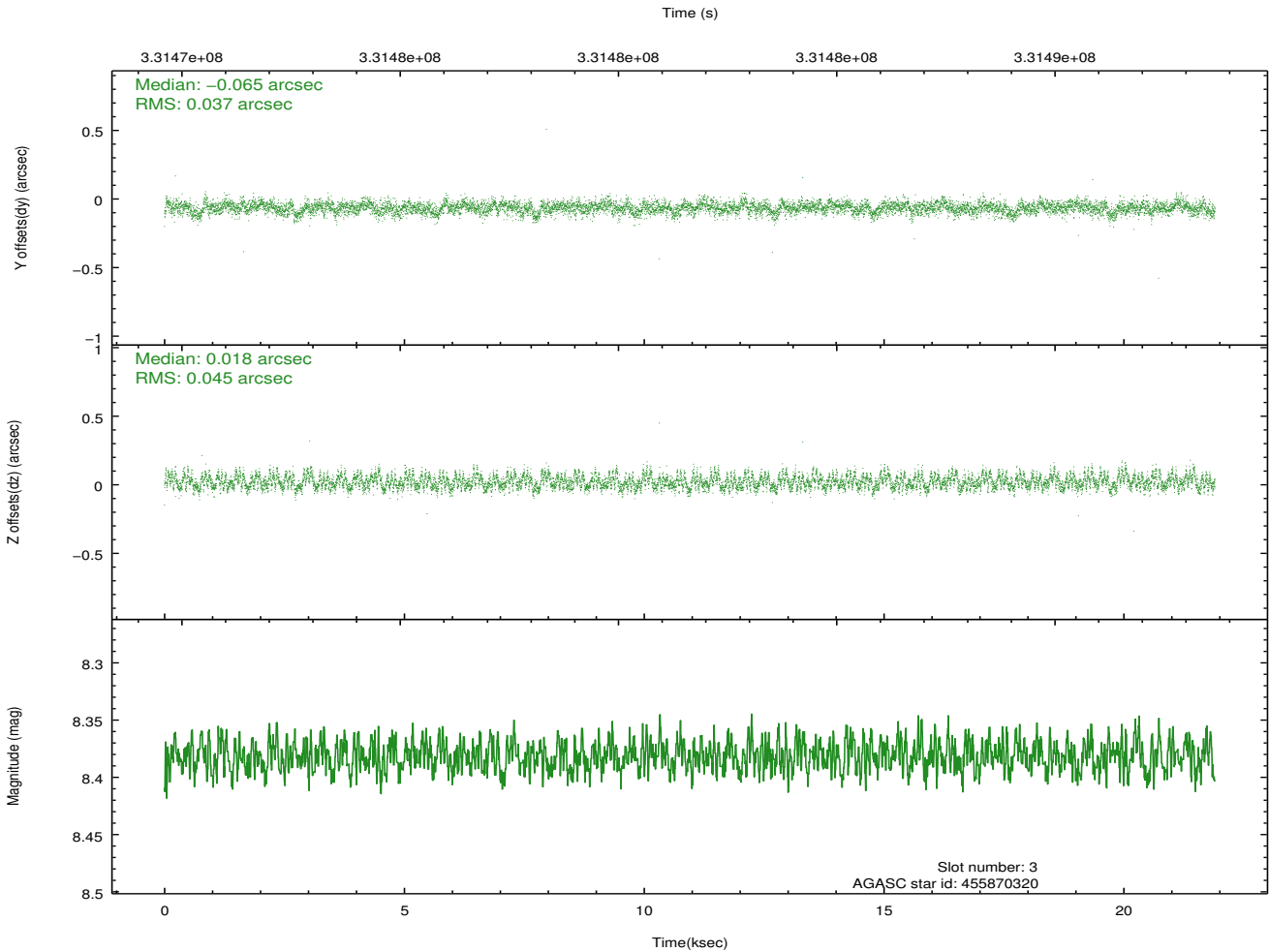
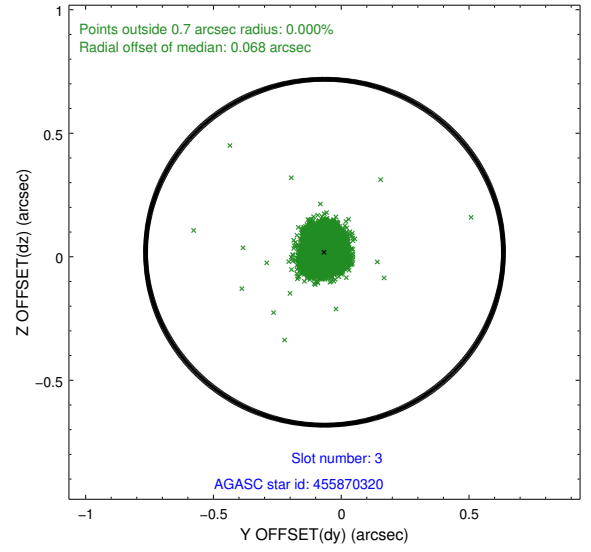
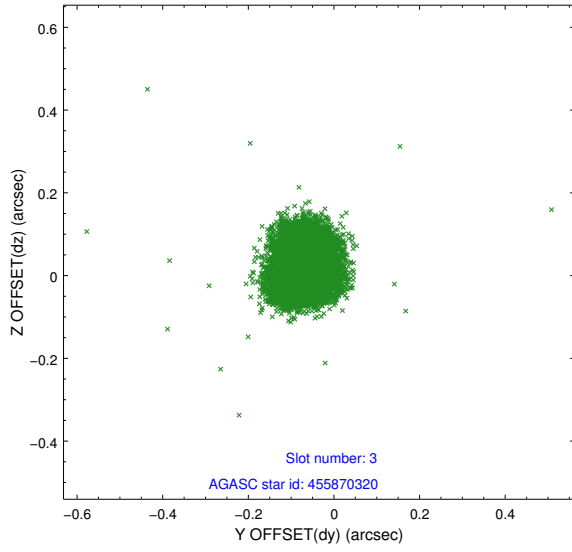


Slot Statistics

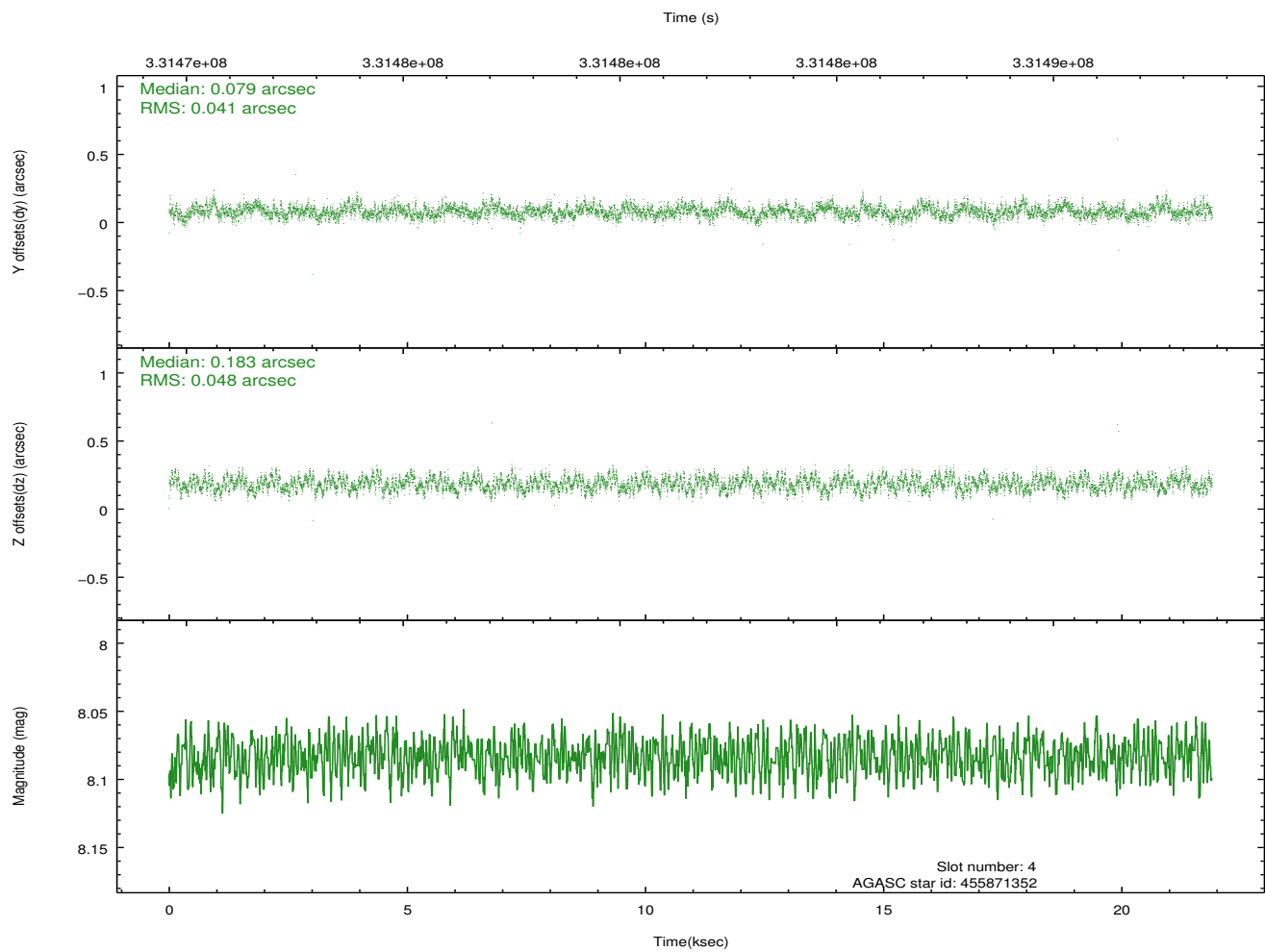
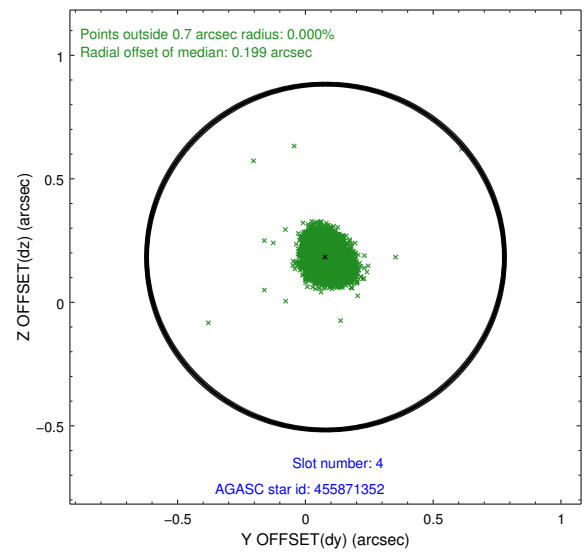
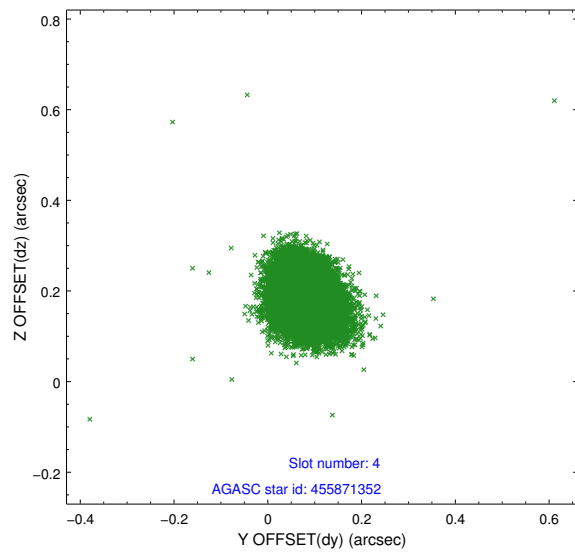
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.04	5342	0.040	-0.015	0.013	0.032	0.000000	0.000000	924.59	-839.69
1	FID	ACIS-I-5	7.03	5342	-0.203	0.045	0.011	0.022	0.000000	0.000000	-1823.64	1057.81
2	FID	ACIS-I-6	7.04	5342	0.073	0.041	0.011	0.019	0.000000	0.000000	390.04	1702.46
3	GUIDE	455870320	8.38	10685	-0.065	0.018	0.061	0.099	214.874440	52.401638	1235.63	940.12
4	GUIDE	455871352	8.08	10675	0.079	0.183	0.066	0.105	215.099961	52.172669	1684.32	1791.73
5	GUIDE	505806936	7.03	10684	0.116	-0.027	0.068	0.110	213.820815	52.535927	1997.91	-1294.32
6	GUIDE	505812088	8.15	10679	-0.042	0.034	0.067	0.109	214.186617	53.263562	-663.91	-1933.65
7	GUIDE	505812376	7.64	10682	-0.090	-0.210	0.053	0.084	214.039537	52.937930	507.48	-1613.73

2.4 Star Slots

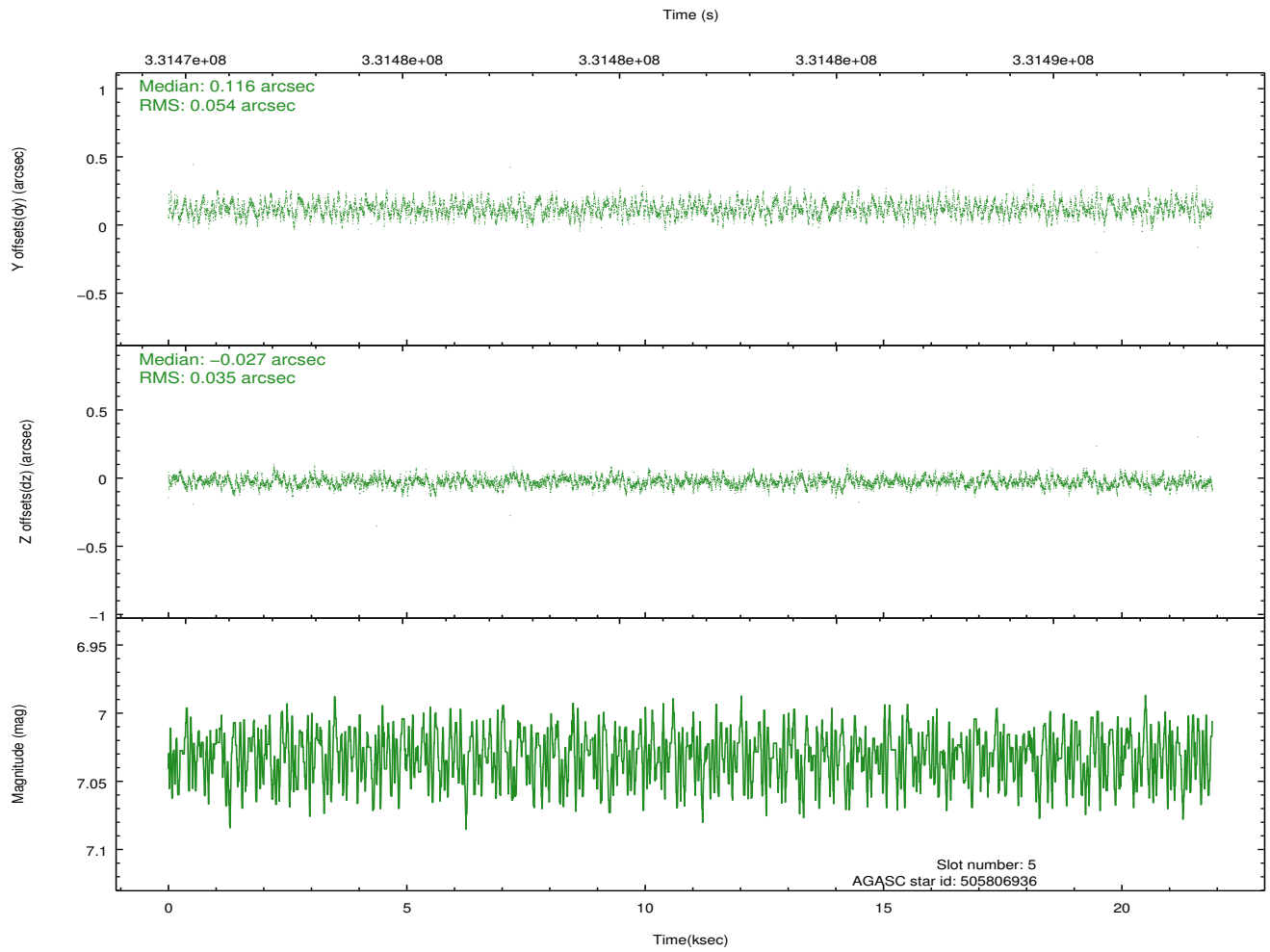
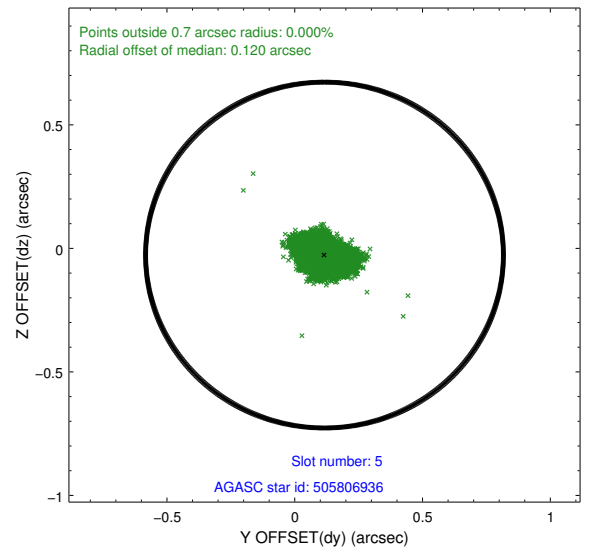
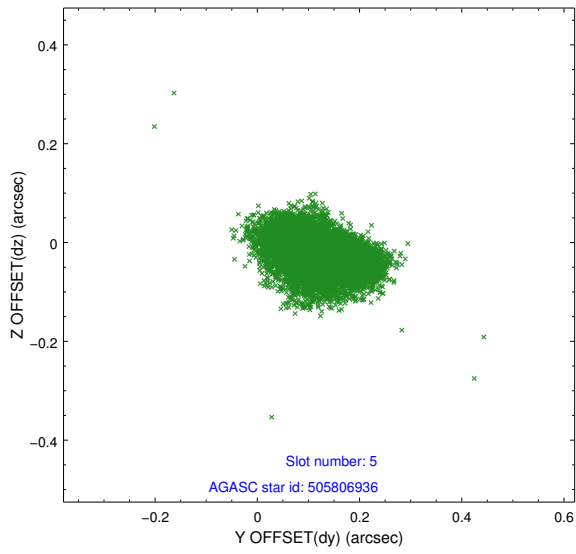
2.4.1 Slot 3



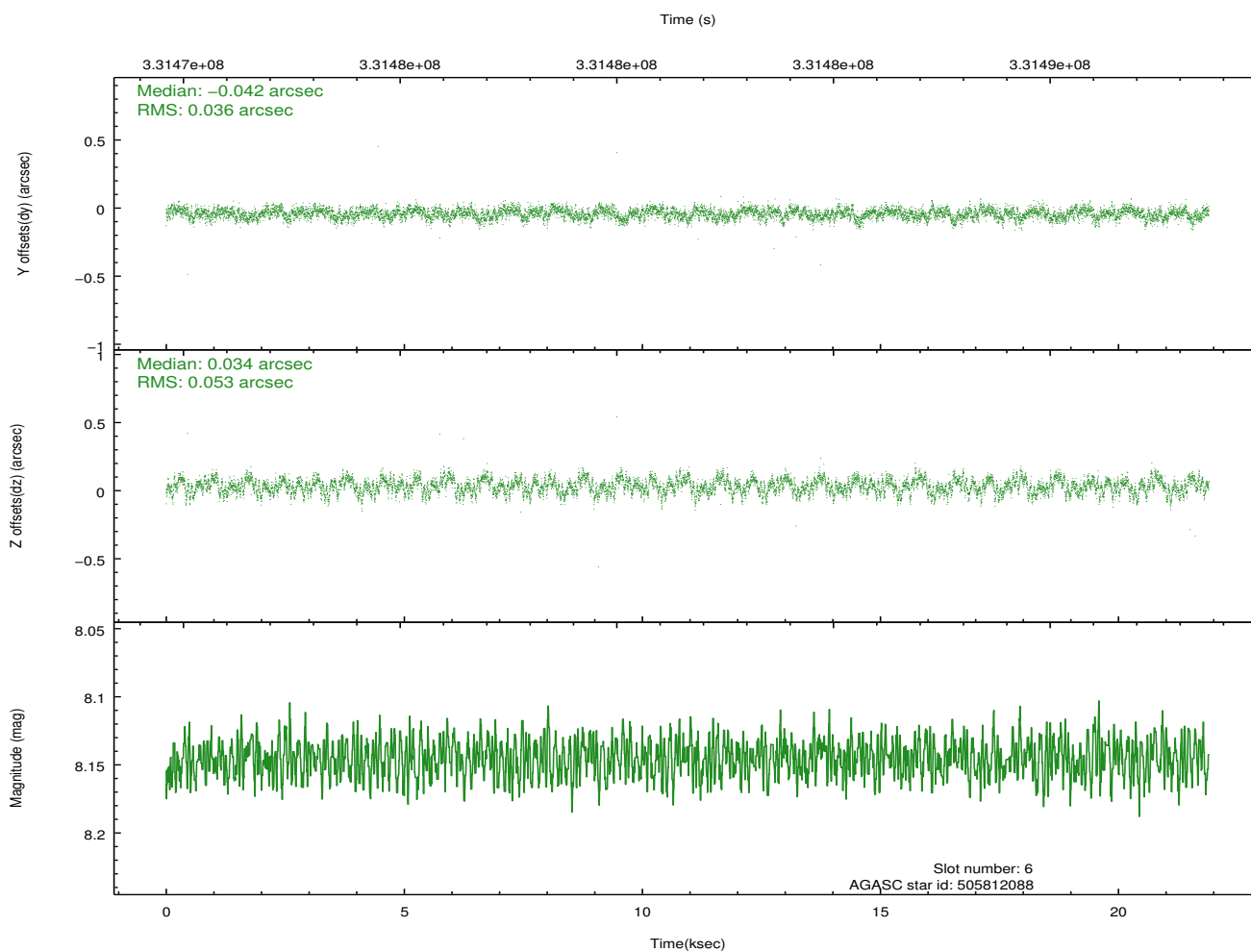
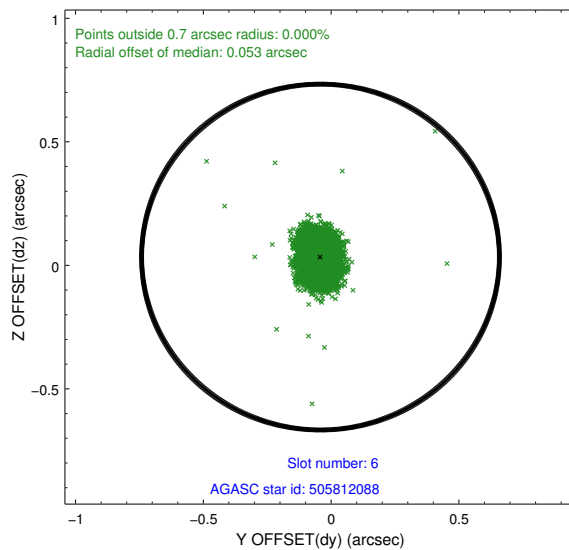
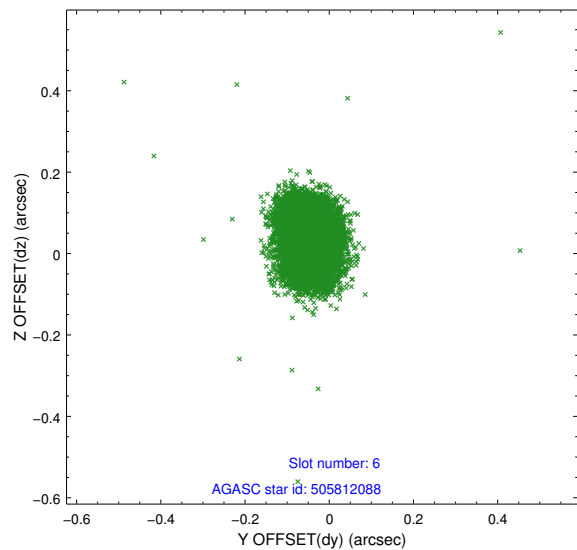
2.4.2 Slot 4



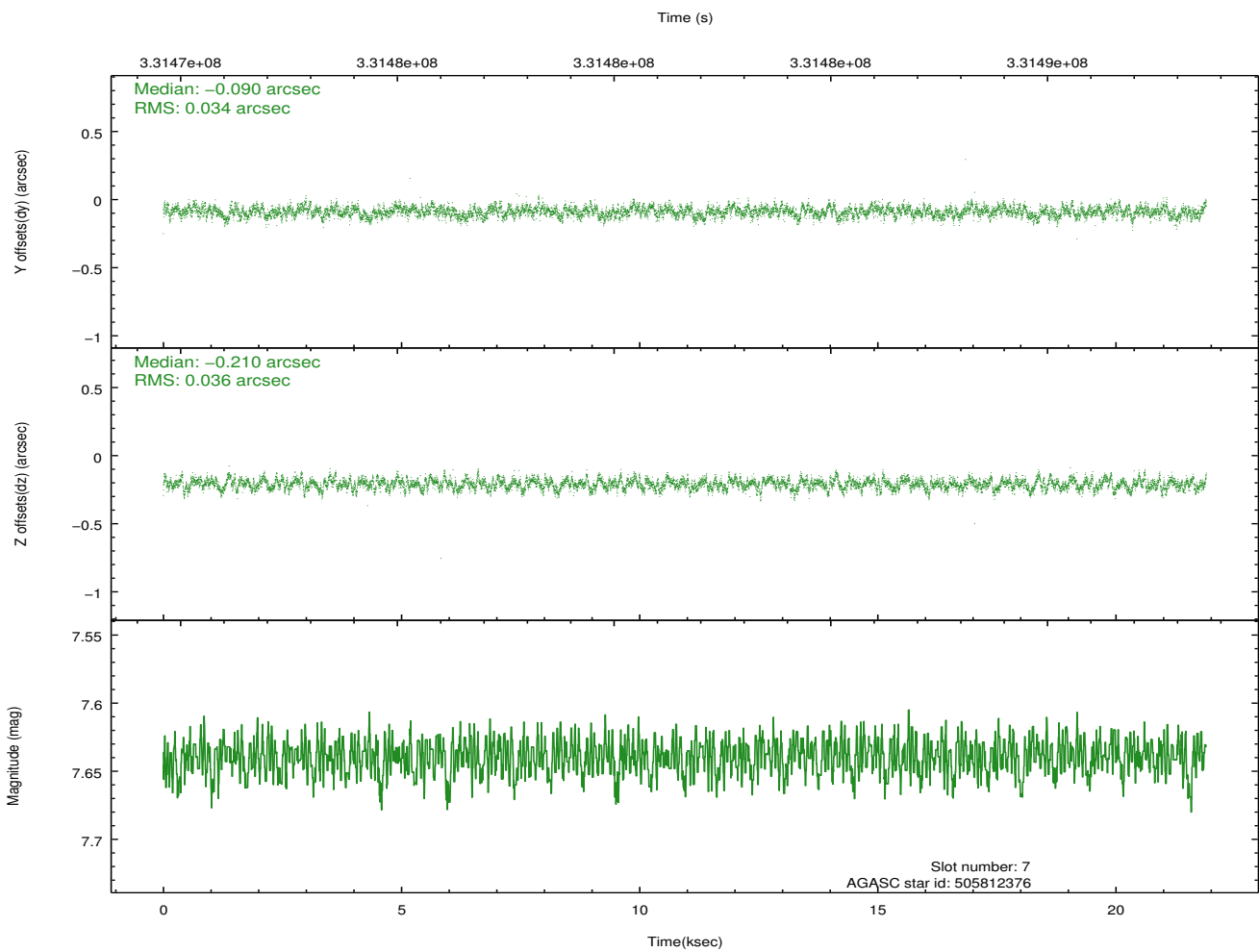
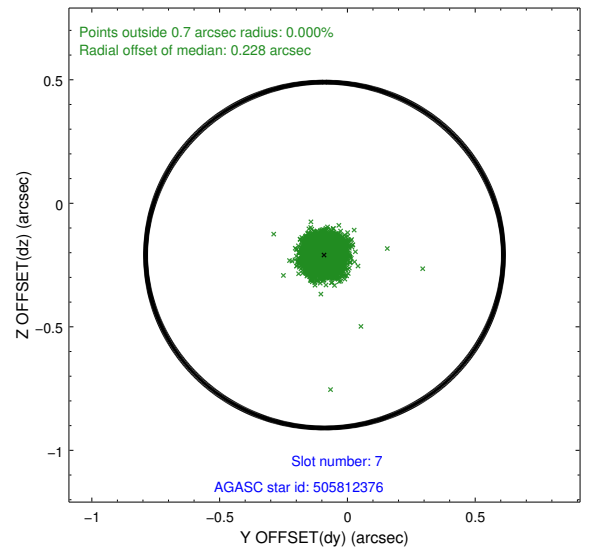
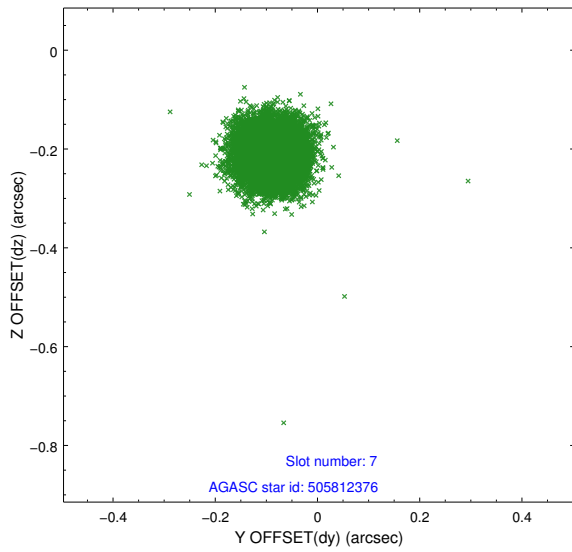
2.4.3 Slot 5



2.4.4 Slot 6

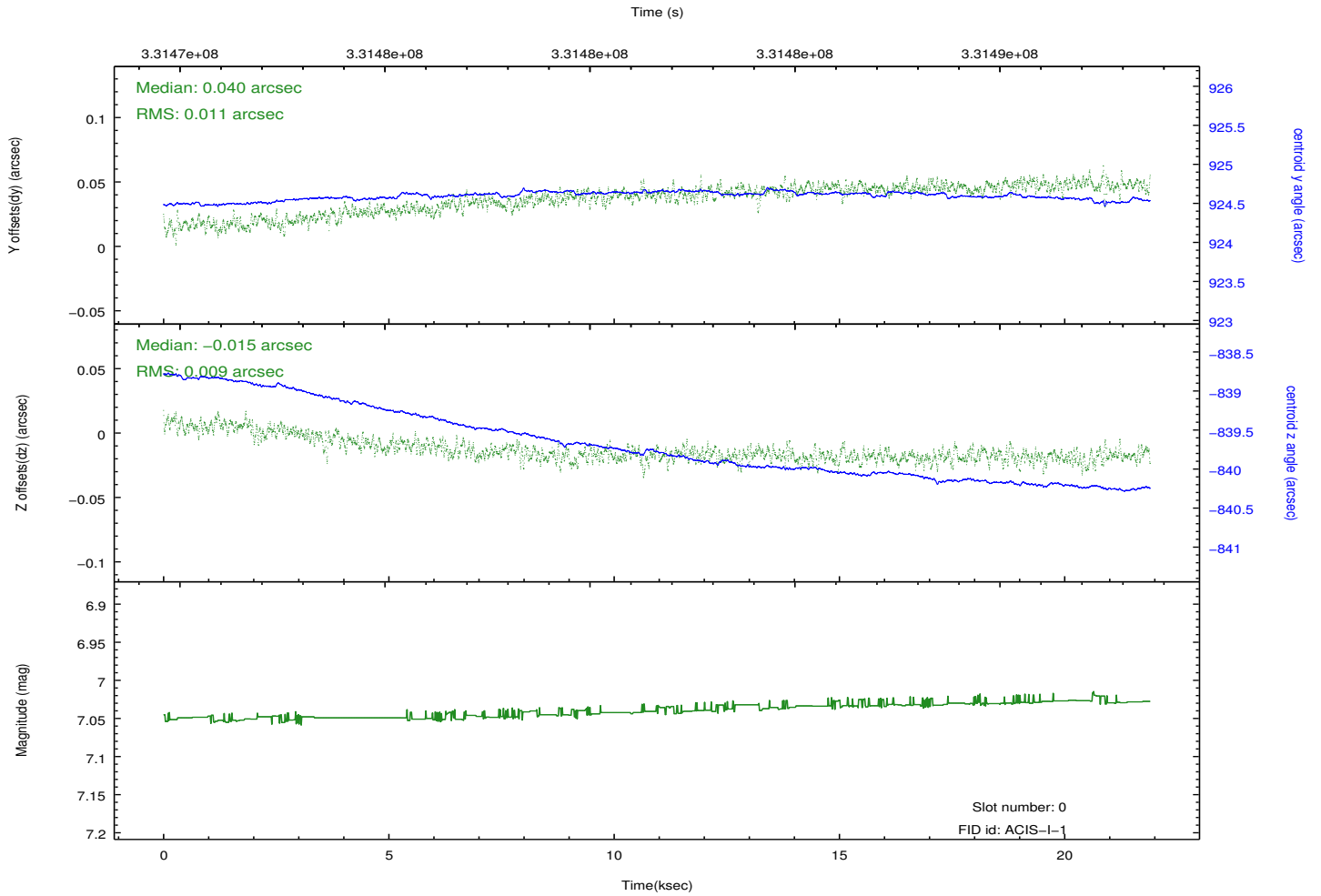
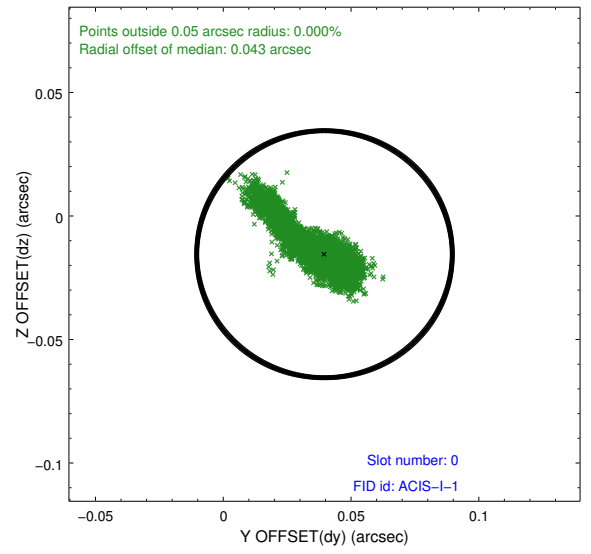
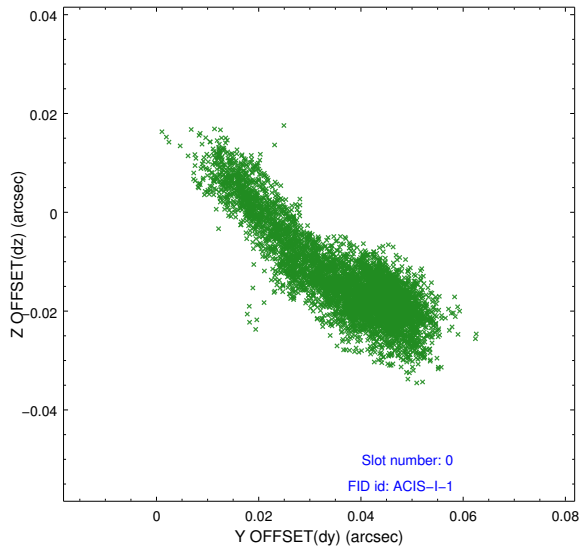


2.4.5 Slot 7

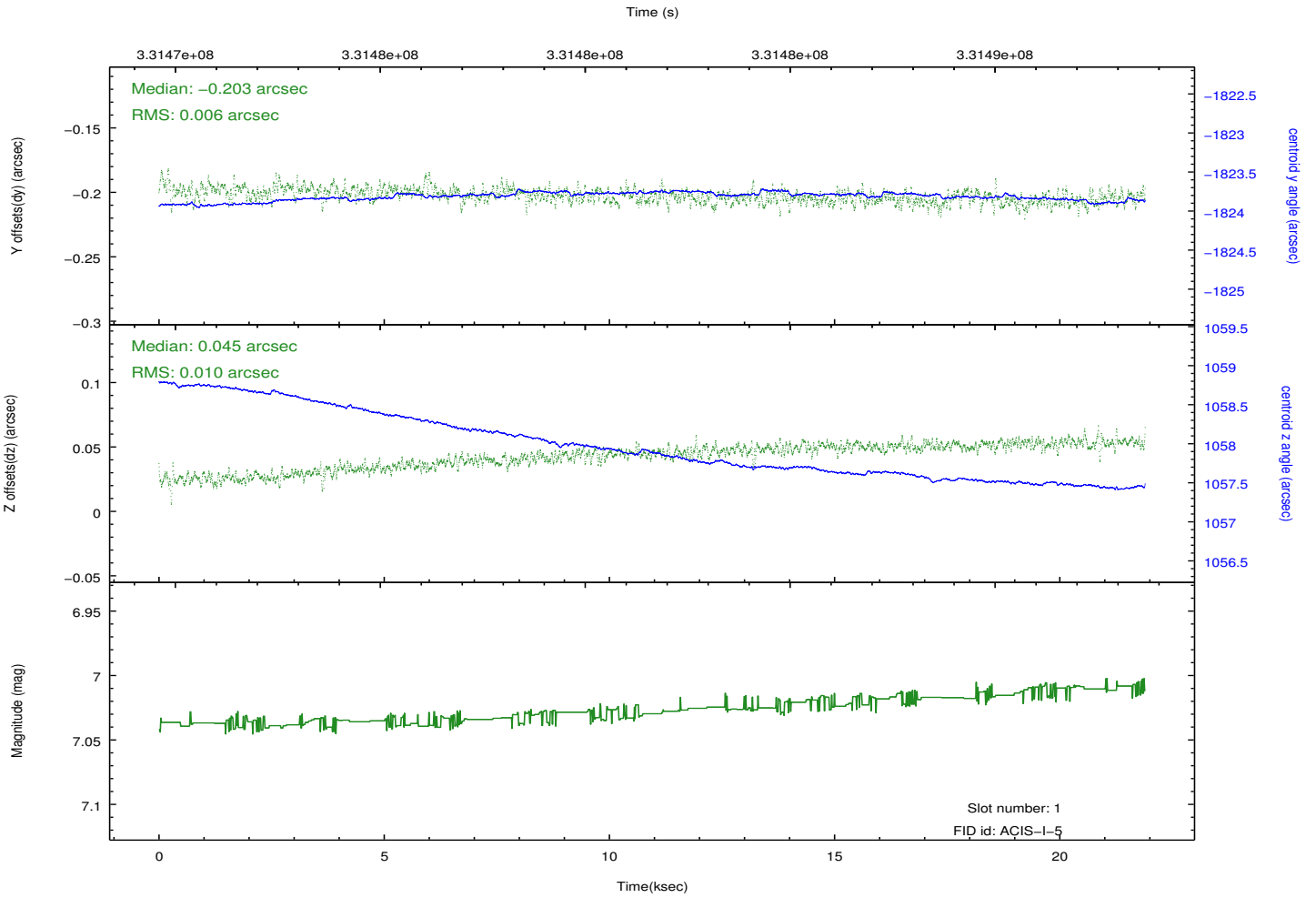
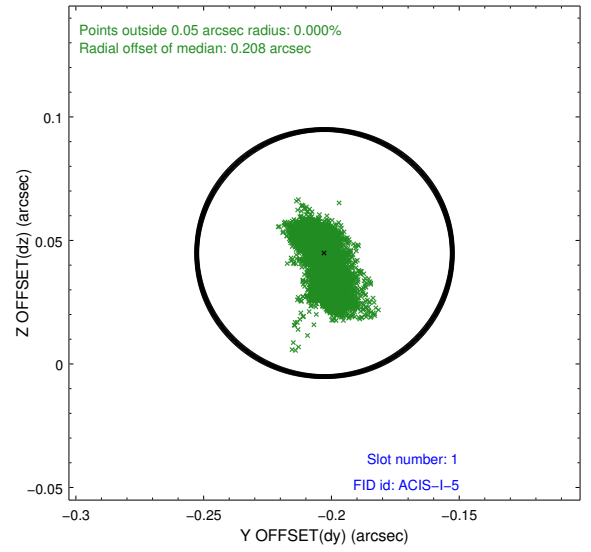
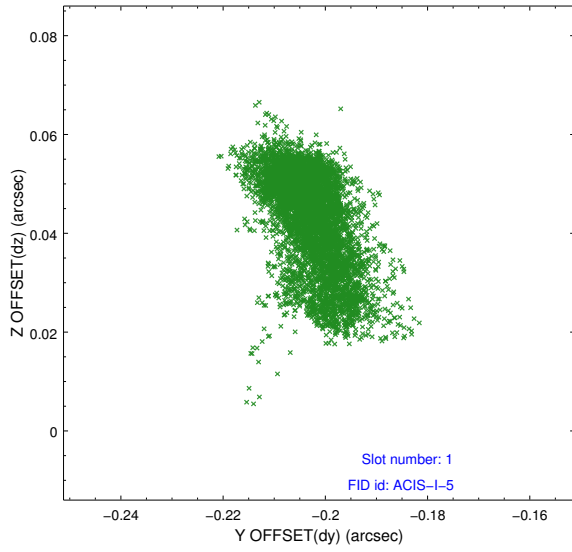


2.5 FID Slots

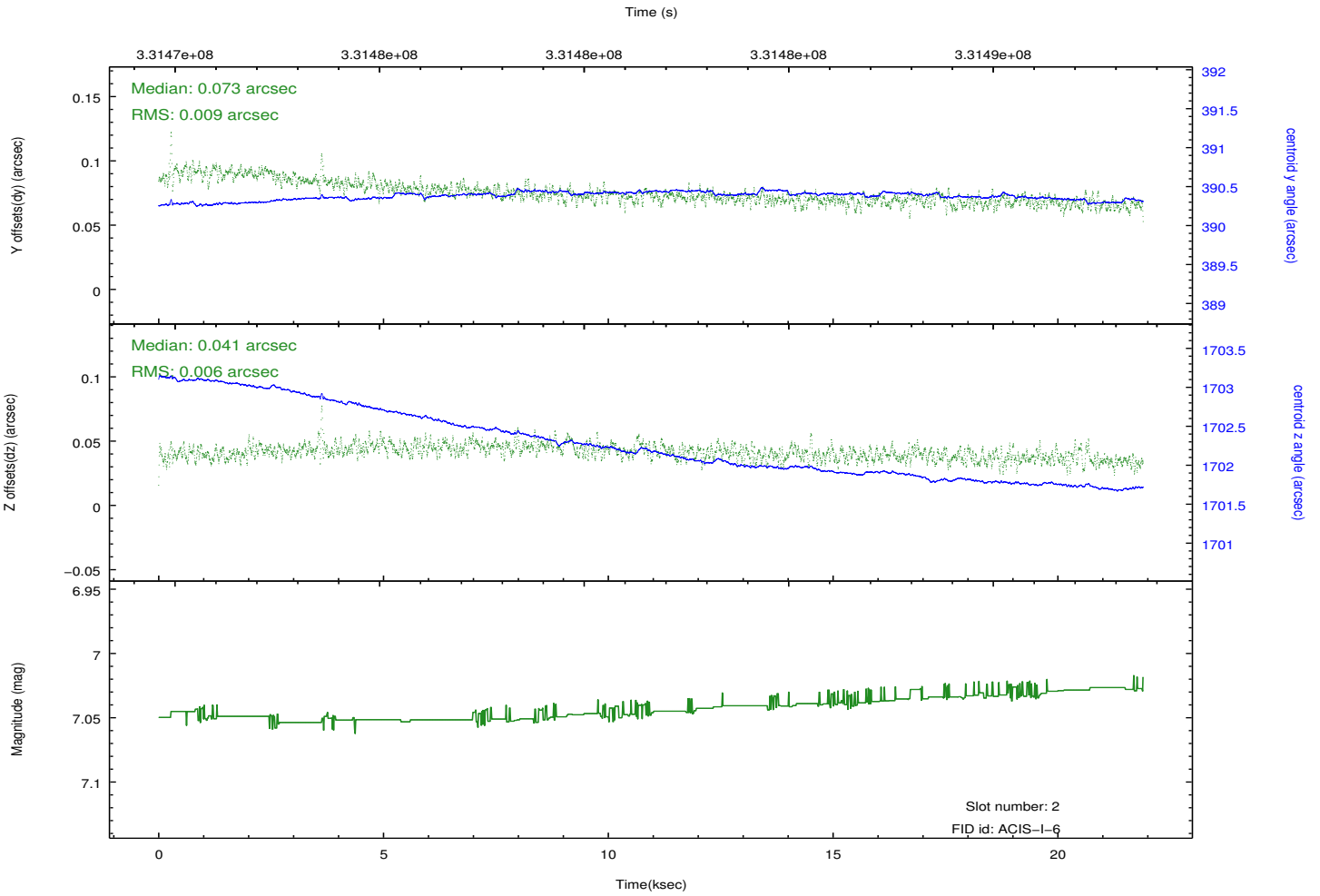
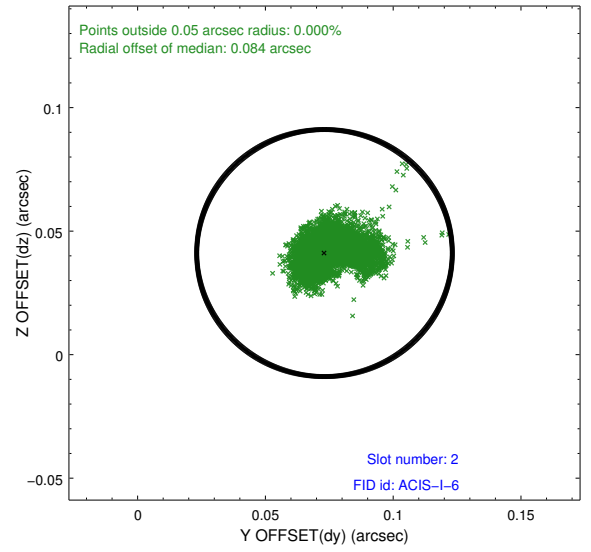
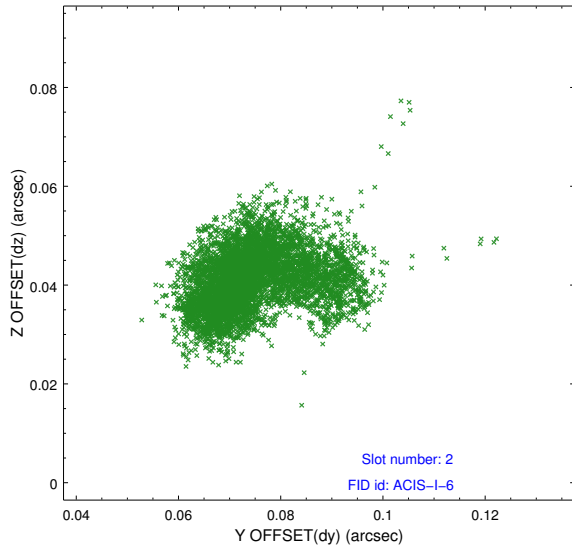
2.5.1 Slot 0



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)	2012.05.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	21.6627591

A.2 Comments

Joint proposal with Spitzer.

Roll preference met.