

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7945 - L2 Version 3
Chandra X-Ray Center

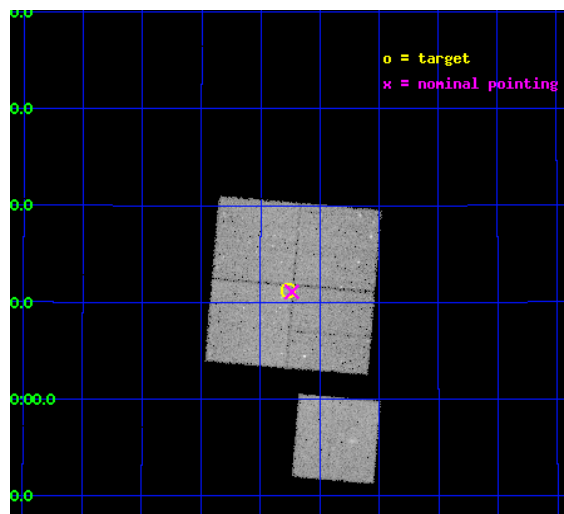
L2 Processing Date : Apr 24 2012

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1 Front

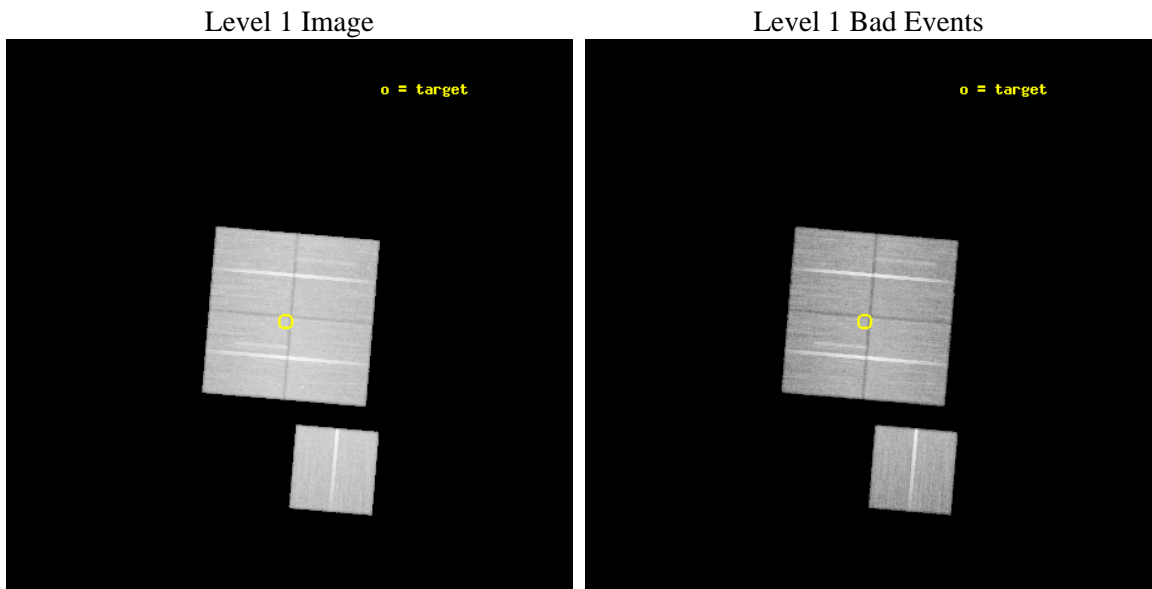
seq_num	900489	Sequence number
obs_id	7945	Observation id
title	Chandra Large Scale Survey of the NOAO Bootes Deep Field (A)	Propo
observer	Dr. Stephen Murray	Principal investigator
object	Bootes3 4	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	216.56793	Observer's specified target RA [deg]
dec_targ	34.188043	Observer's specified target Dec [deg]
ra_nom	216.55889797624	Nominal RA [deg]
dec_nom	34.18500488935	Nominal Dec [deg]
roll_nom	184.8548382803	Nominal Roll [deg]
revision	3	Processing version of data
ontime	41282.618336976	Sum of GTIs [s]
livetime	40743.230536582	Livetime [s]
ontime0	41282.618317127	Sum of GTIs [s]
ontime1	41285.759337246	Sum of GTIs [s]
ontime2	41285.759297371	Sum of GTIs [s]
ontime3	41282.618336976	Sum of GTIs [s]
ontime6	41282.618366957	Sum of GTIs [s]
l2events	124753	Number of level 2 events



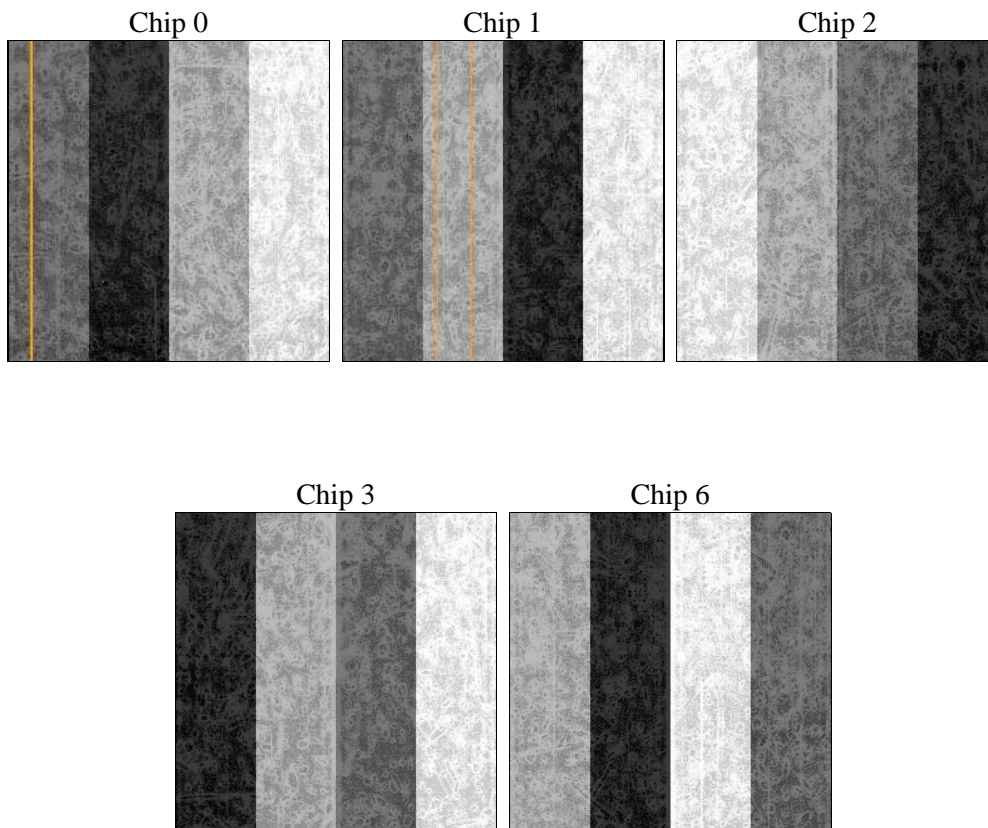
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	41169.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	41282.618336976	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	41282.618317127	Sum of GTIs [s]
date	2012-04-24T10:00:07	Date and time of file creation	ontime1	41285.759337246	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	41285.759297371	Sum of GTIs [s]
			ontime3	41282.618336976	Sum of GTIs [s]
			ontime6	41282.618366957	Sum of GTIs [s]
			l1events	1560502	Number of level 1 events

2.1.4 Events

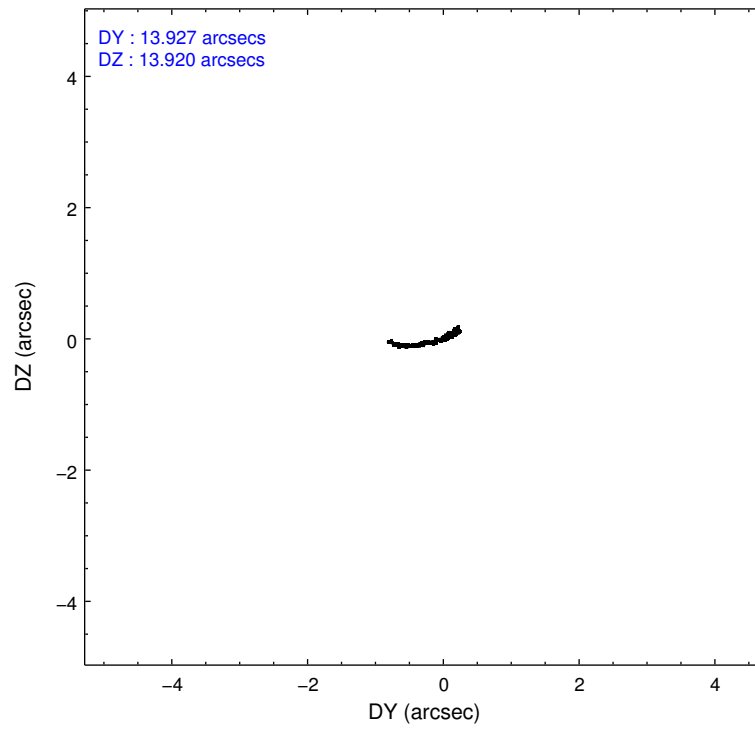
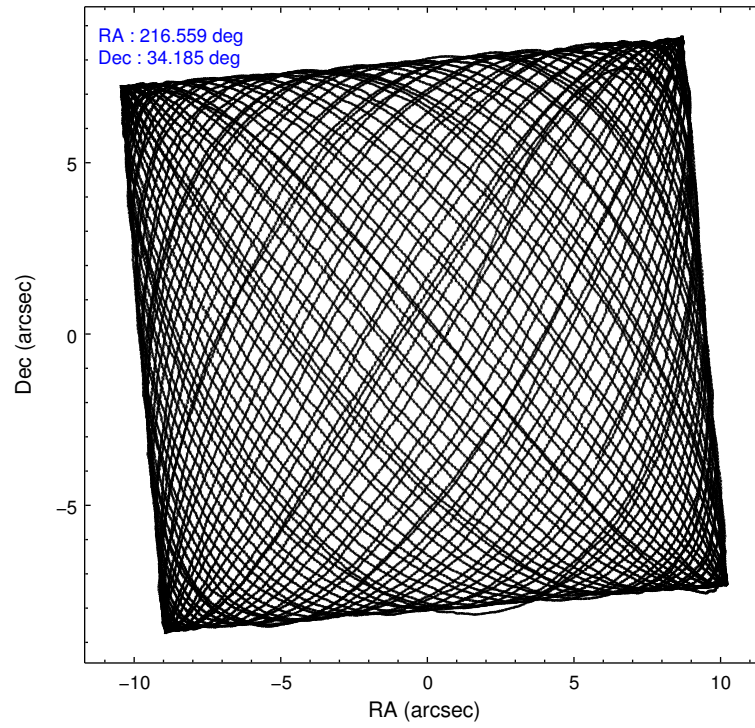
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	298154	293708	342713	315041	310886
rejected events	267522	261716	313181	285742	279694
rejected %	89%	89%	91%	90%	89%

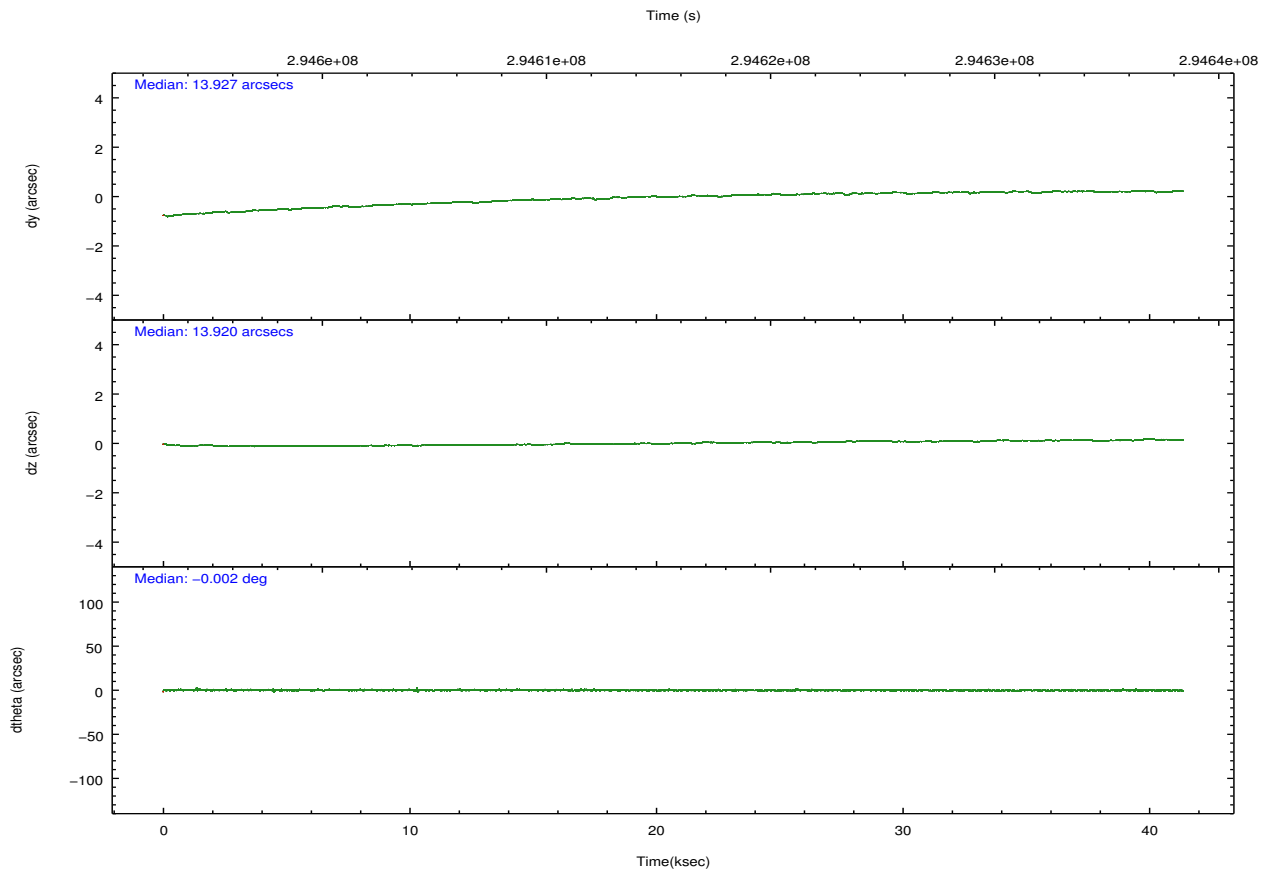
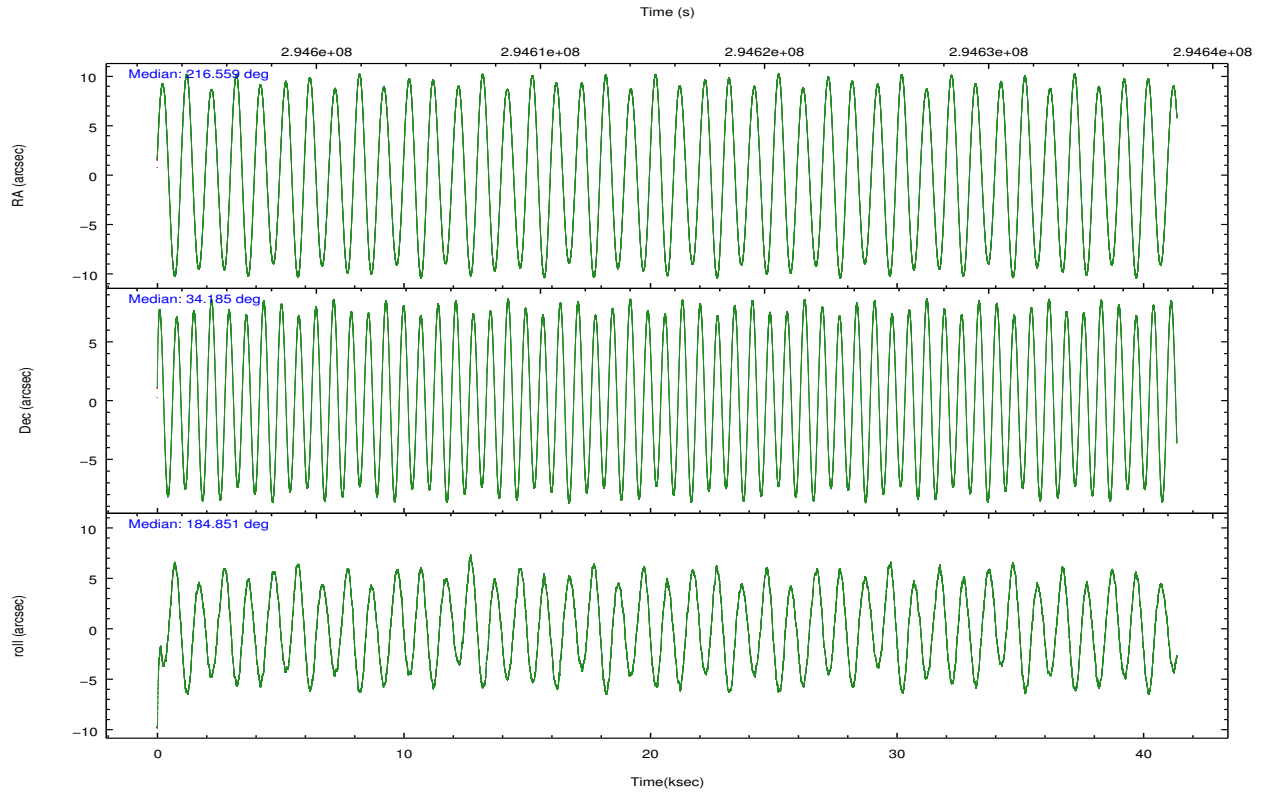
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	10946	10880	11024	10816	11419
	3%	3%	3%	3%	3%
grade 1 events	155	164	187	185	170
	0%	0%	0%	0%	0%
grade 2 events	7321	7155	7029	6485	6849
	2%	2%	2%	2%	2%
grade 3 events	3521	3838	3153	3431	3398
	1%	1%	0%	1%	1%
grade 4 events	3348	3688	3277	3248	3340
	1%	1%	0%	1%	1%
grade 5 events	9090	10348	8391	10962	10287
	3%	3%	2%	3%	3%
grade 6 events	5502	6435	5052	5326	6189
	1%	2%	1%	1%	1%
grade 7 events	258271	251200	304600	274588	269234
	86%	85%	88%	87%	86%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	216.586093	216.5588979762377	Subarray requested	NONE	NONE
[deg] Pointing Dec	34.200794	34.18500488934969	Alternating exposures requested	N	N
[deg] Pointing Roll	184.630869	184.8548382803021	[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)	294595158.184000	294594190.33389			
Observation start date	2007-05-03T15:58:13	2007-05-03T15:43:10			
[s] Observation end time (MET)	294636327.184000	294636498.23591			
Observation end date	2007-05-04T03:24:22	2007-05-04T03:28:18			
Read mode	TIMED	TIMED			

2.3 Aspect



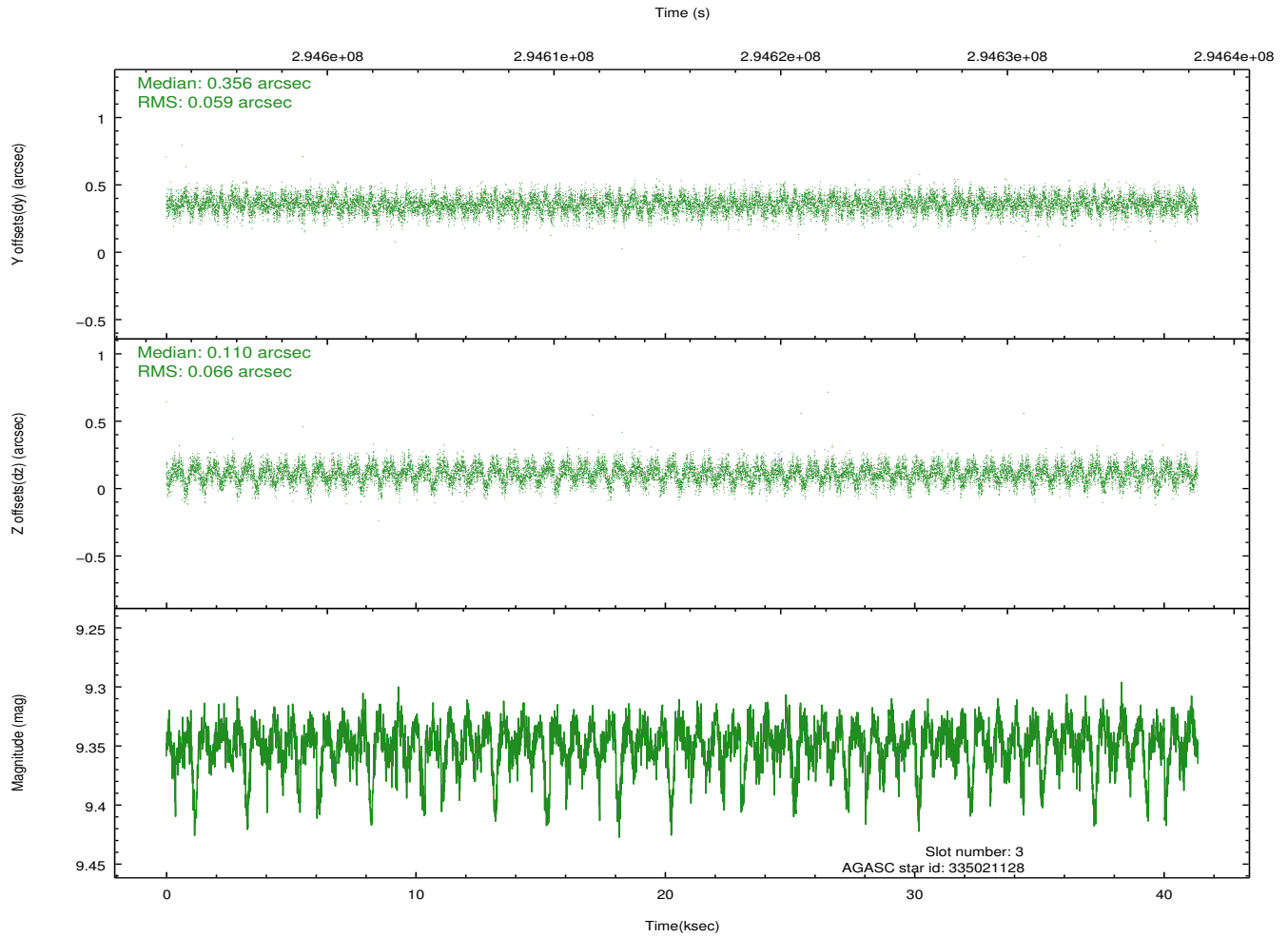
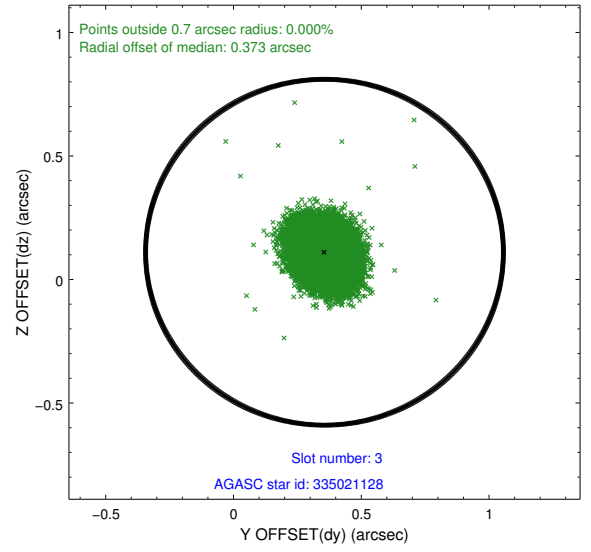
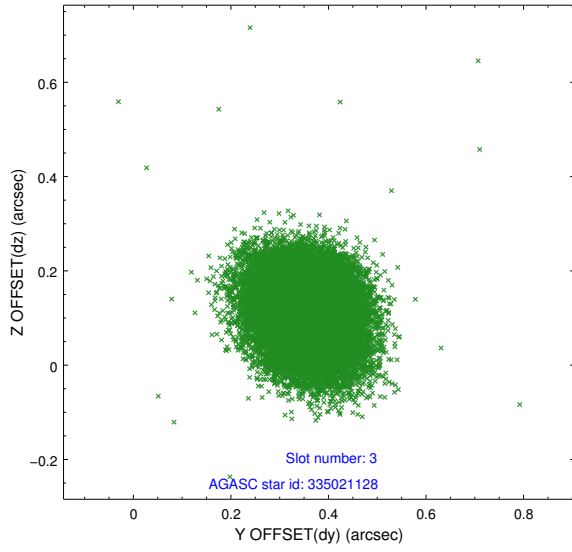


Slot Statistics

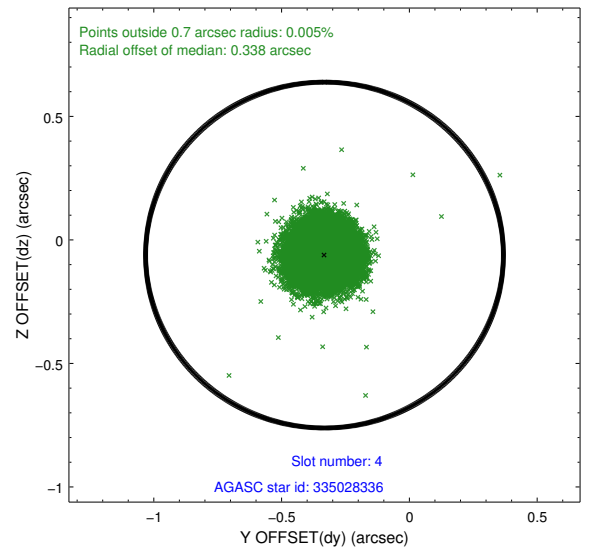
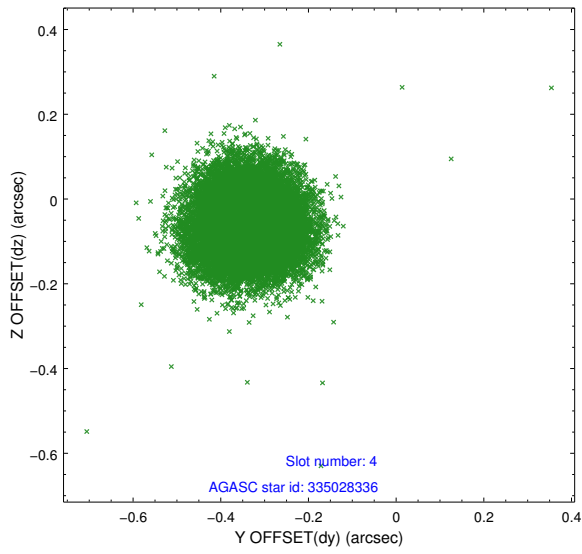
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	10088	0.035	0.013	0.008	0.017	0.000000	0.000000	925.70	-837.48
1	FID	ACIS-I-5	7.22	10087	-0.223	0.041	0.008	0.013	0.000000	0.000000	-1822.67	1060.01
2	FID	ACIS-I-6	7.24	10086	0.097	0.017	0.009	0.014	0.000000	0.000000	391.27	1704.52
3	GUIDE	335021128	9.35	20156	0.356	0.110	0.094	0.151	216.159551	34.422539	1198.77	-900.13
4	GUIDE	335028336	9.48	20164	-0.332	-0.061	0.093	0.152	217.189840	34.665629	-1917.10	-1528.89
5	GUIDE	335028696	9.15	20168	0.316	-0.076	0.077	0.126	217.260519	33.844112	-1906.23	1436.10
6	GUIDE	335030384	8.84	20171	-0.184	-0.059	0.086	0.142	216.806407	34.722197	-801.08	-1818.76
7	GUIDE	334103232	8.70	20168	-0.153	0.092	0.075	0.121	215.850271	33.571936	2382.30	2070.93

2.4 Star Slots

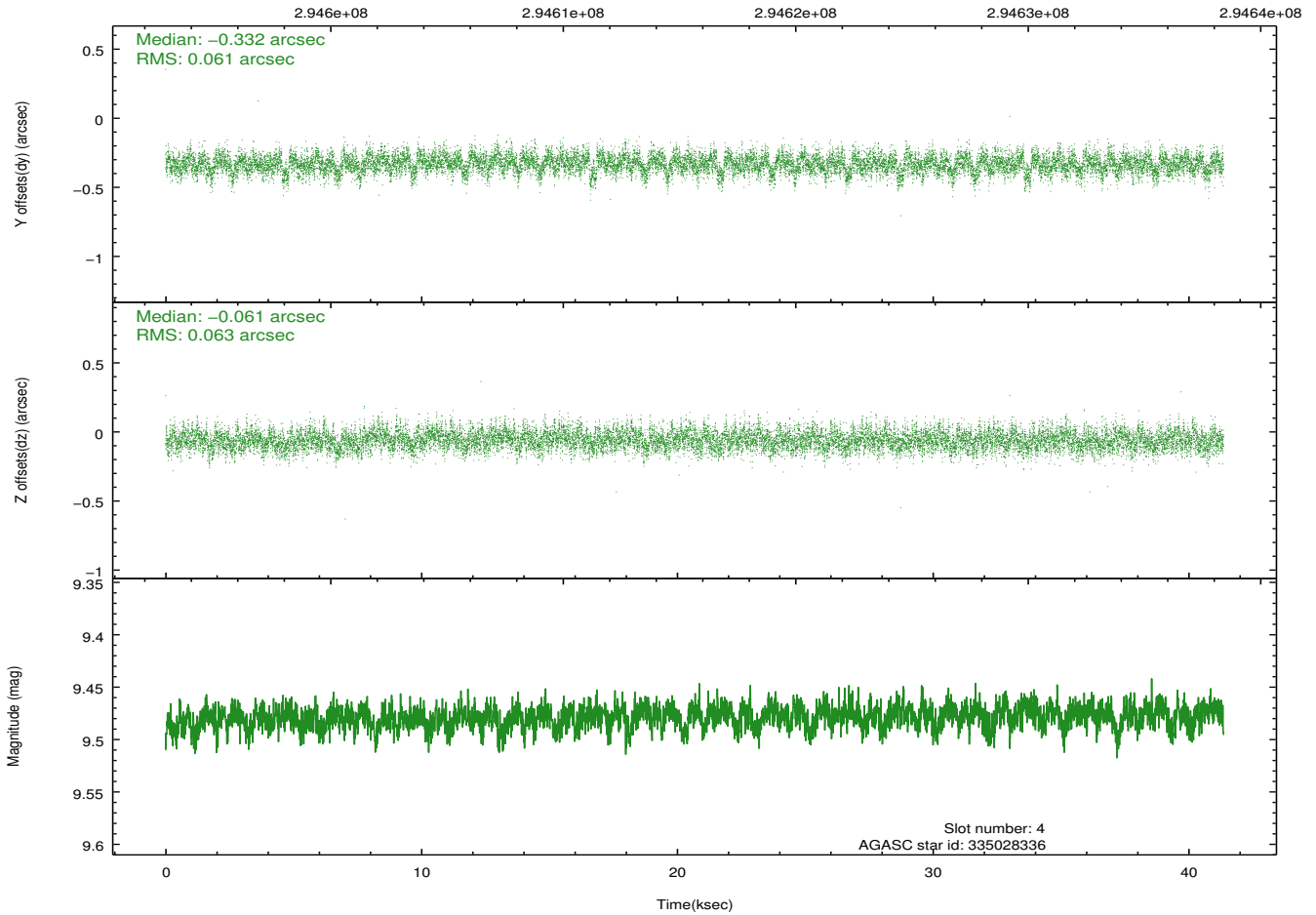
2.4.1 Slot 3



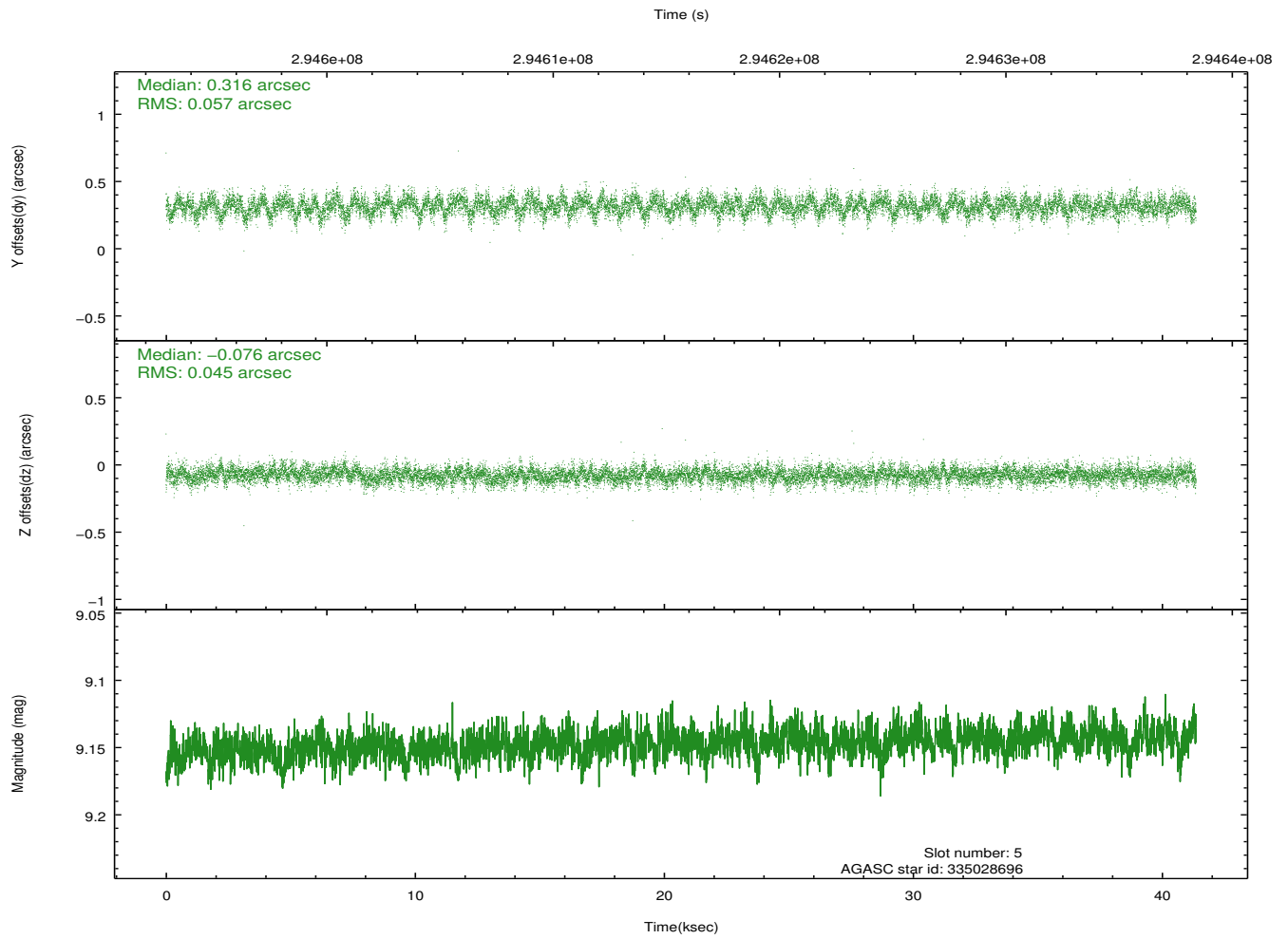
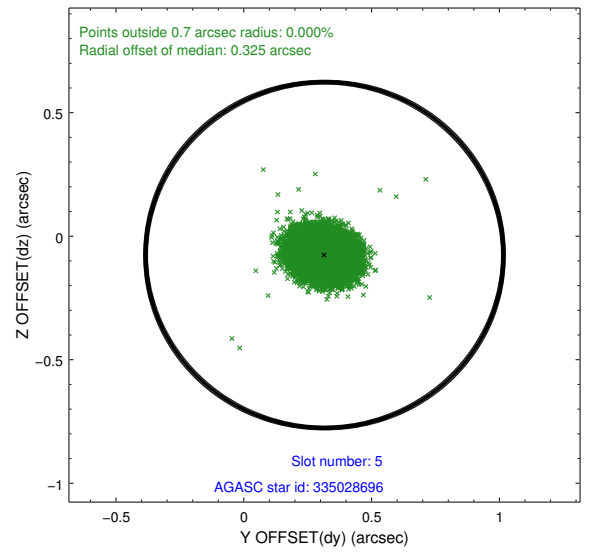
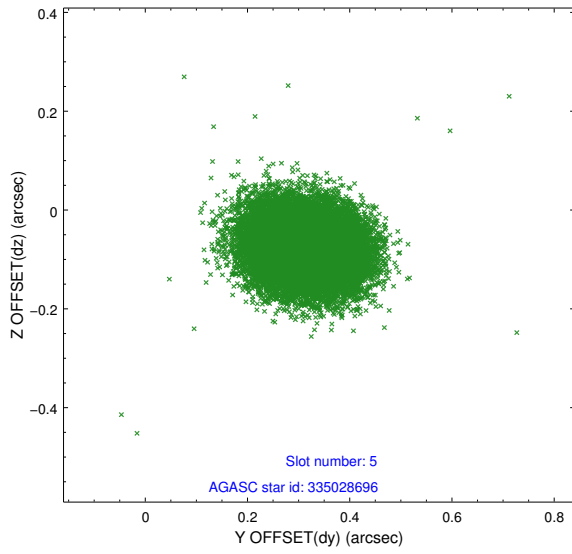
2.4.2 Slot 4



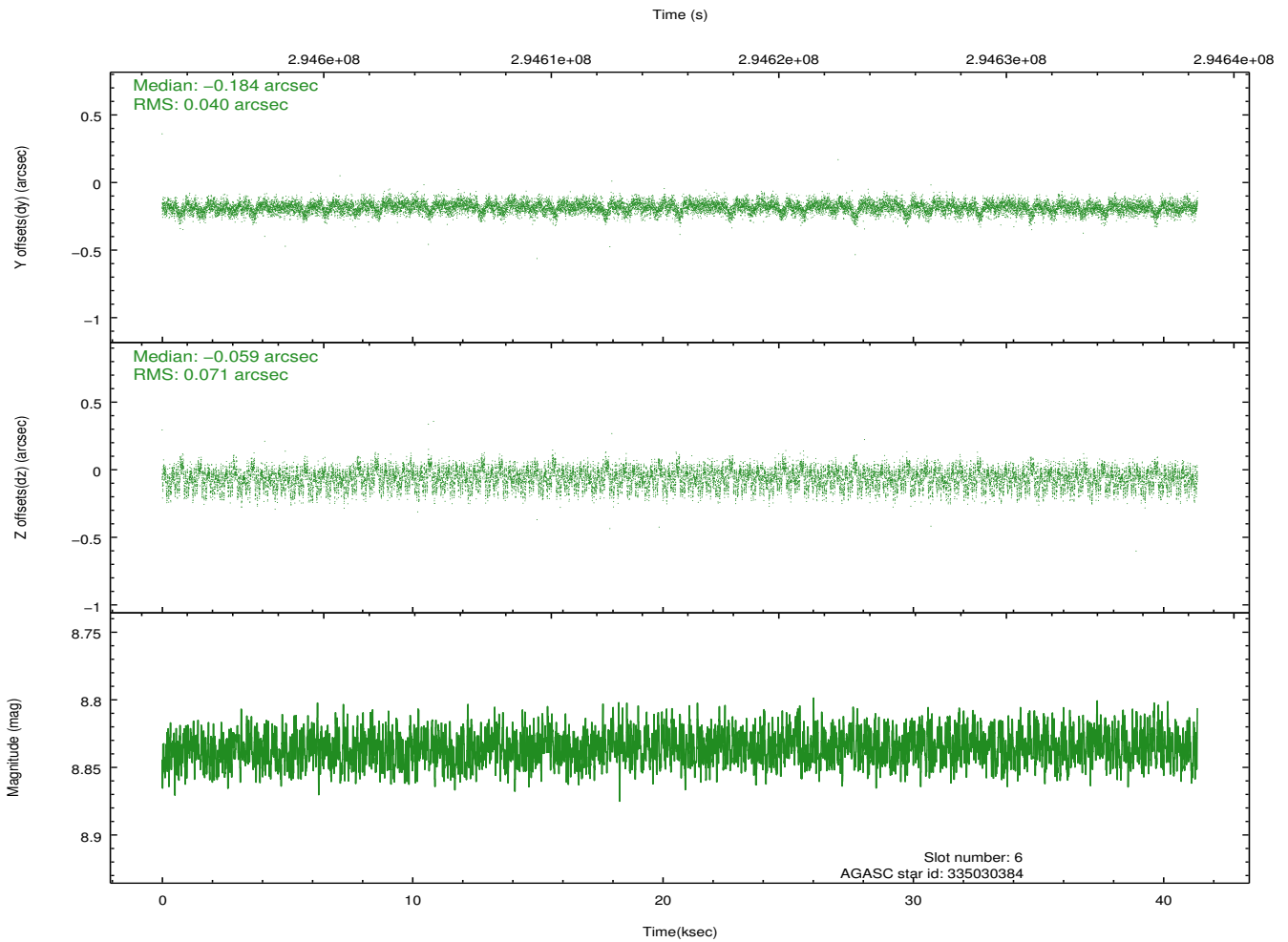
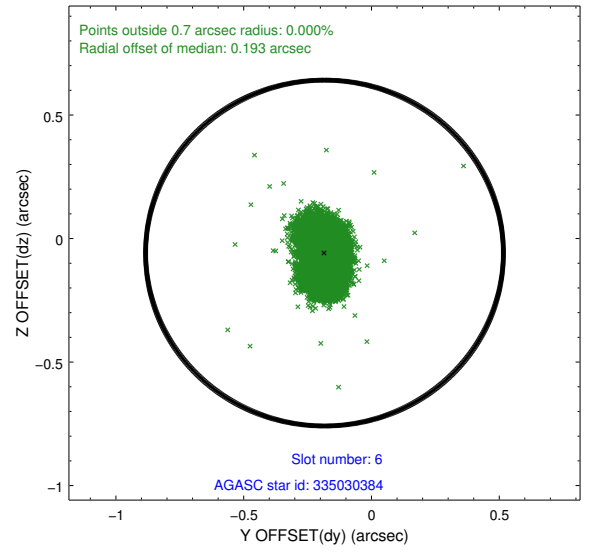
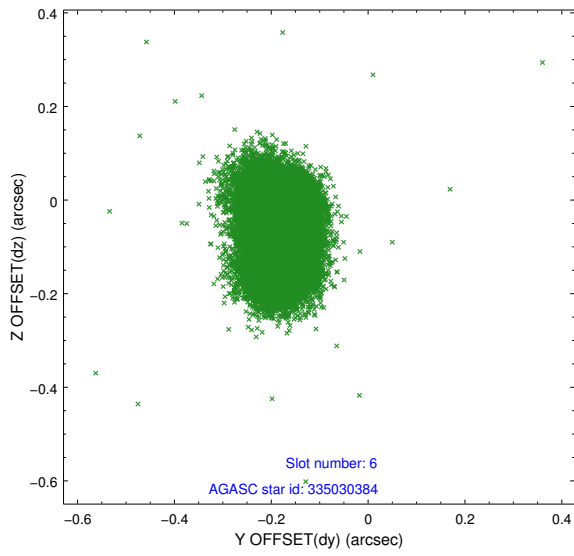
Time (s)



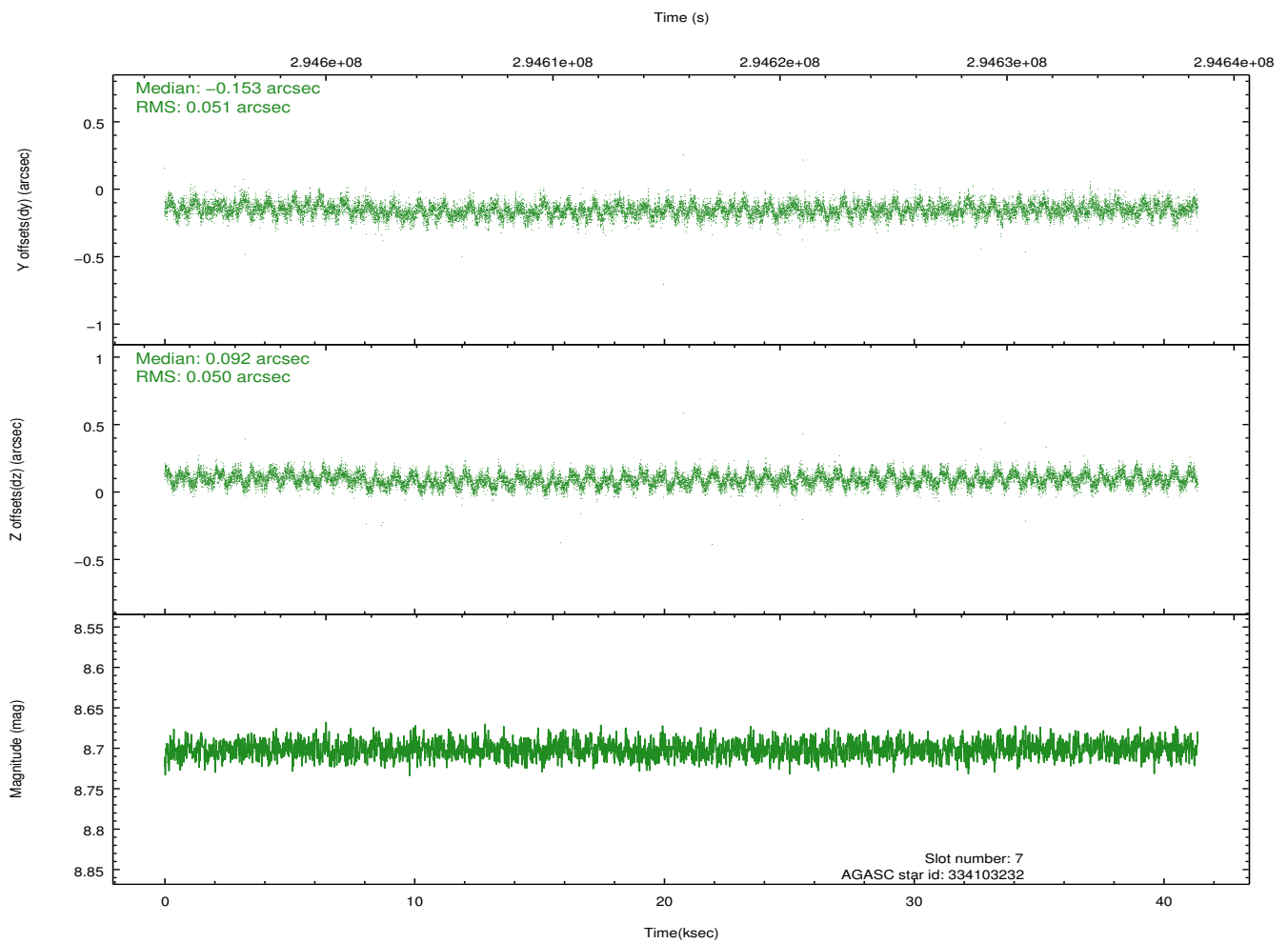
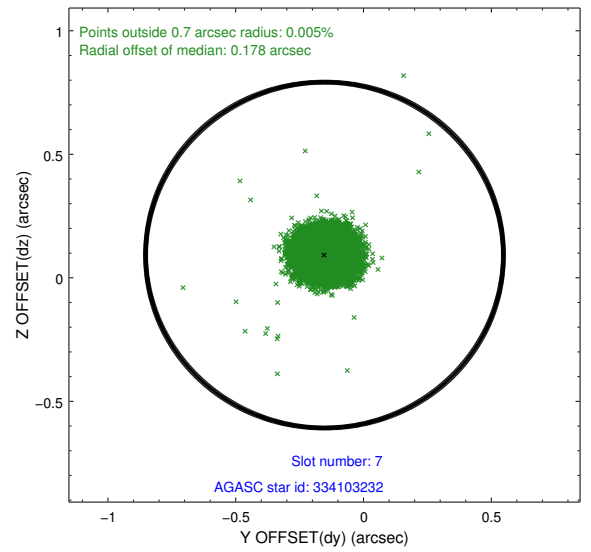
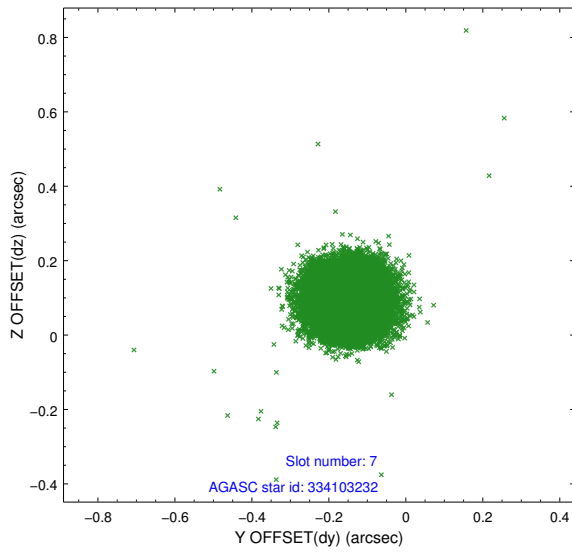
2.4.3 Slot 5



2.4.4 Slot 6

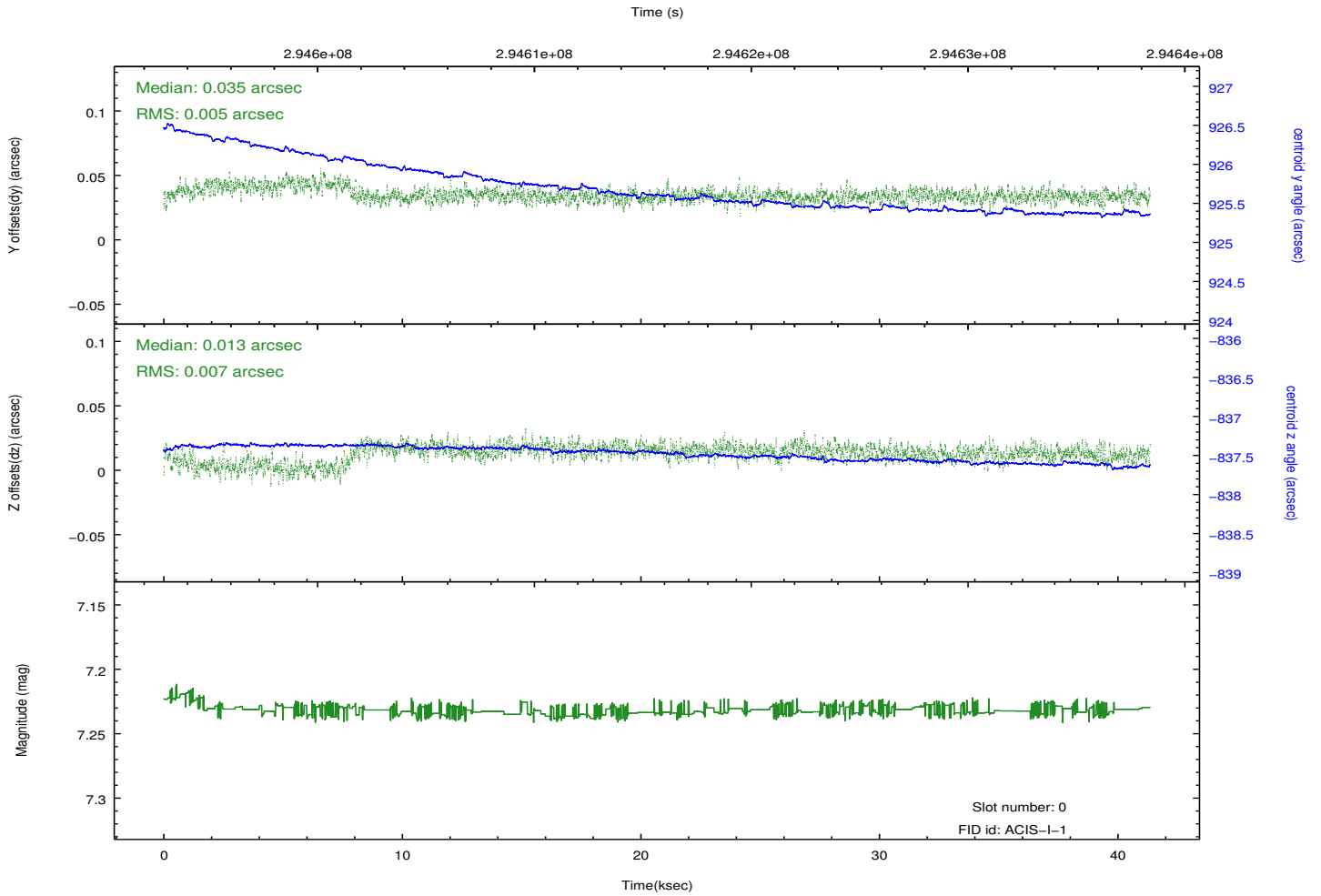
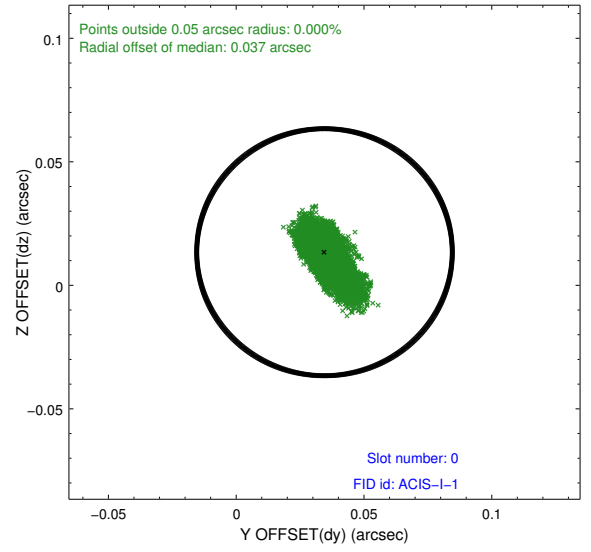
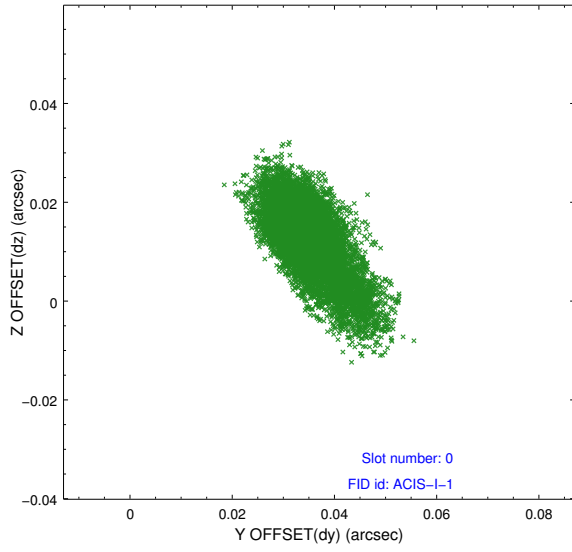


2.4.5 Slot 7

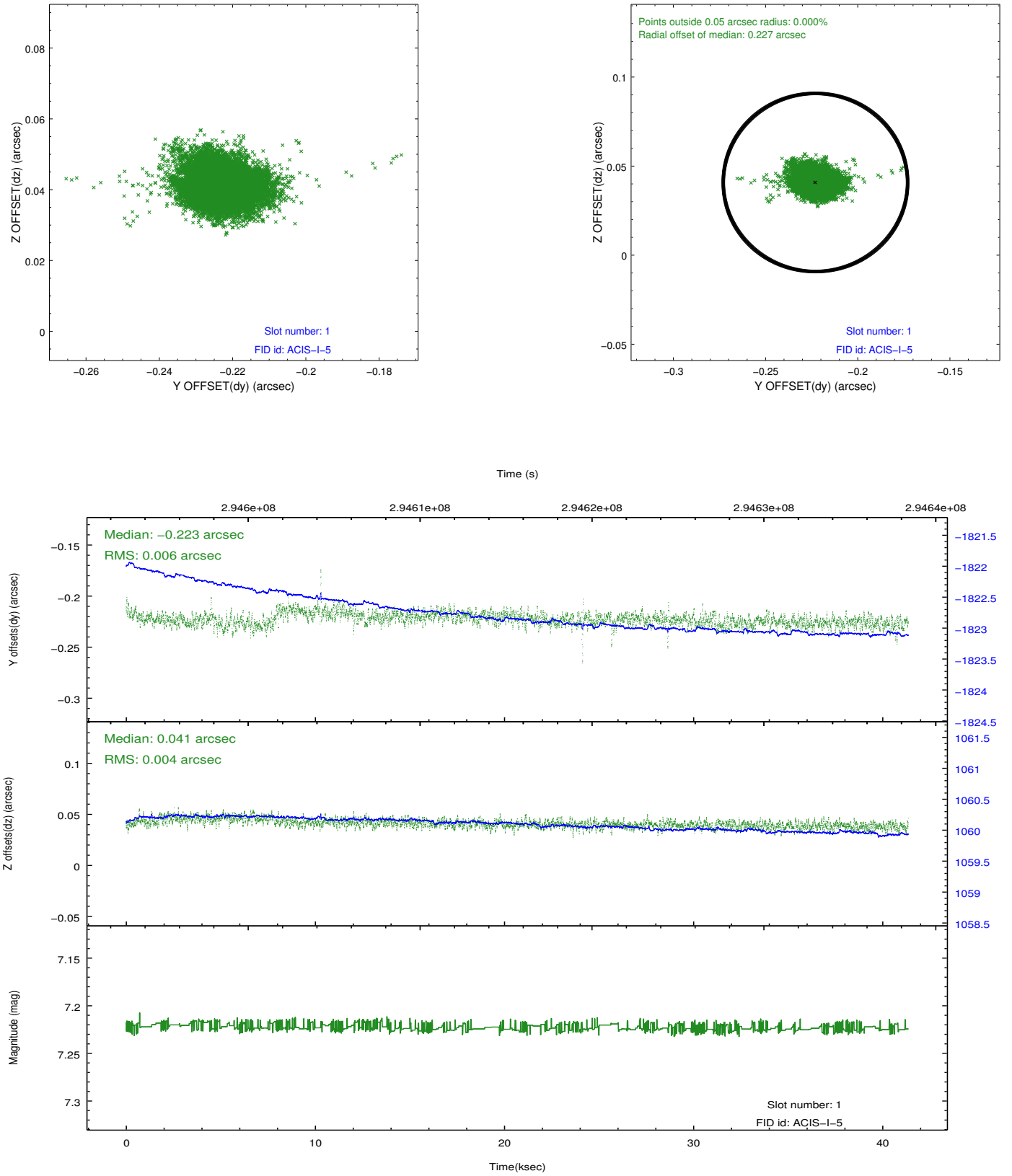


2.5 FID Slots

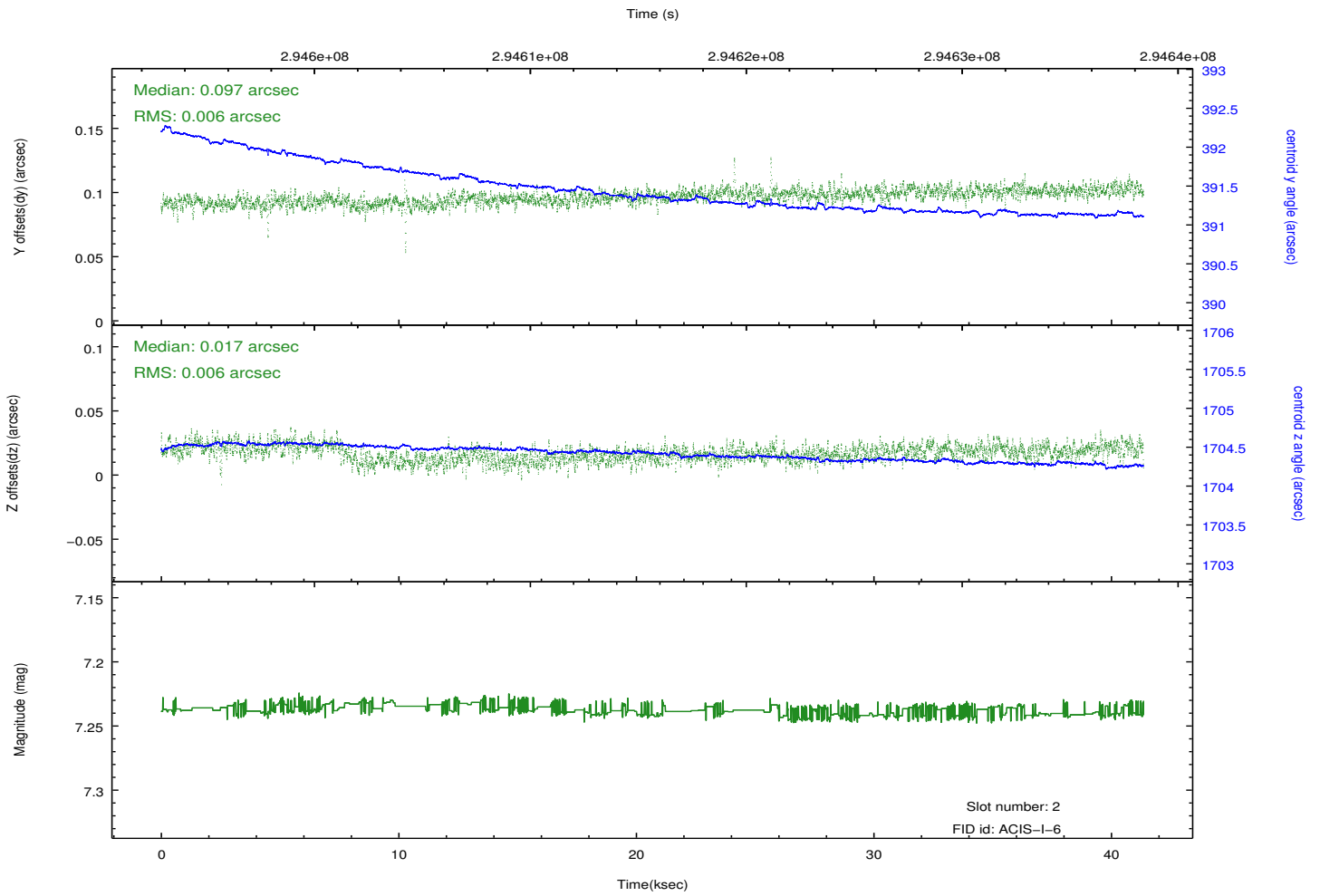
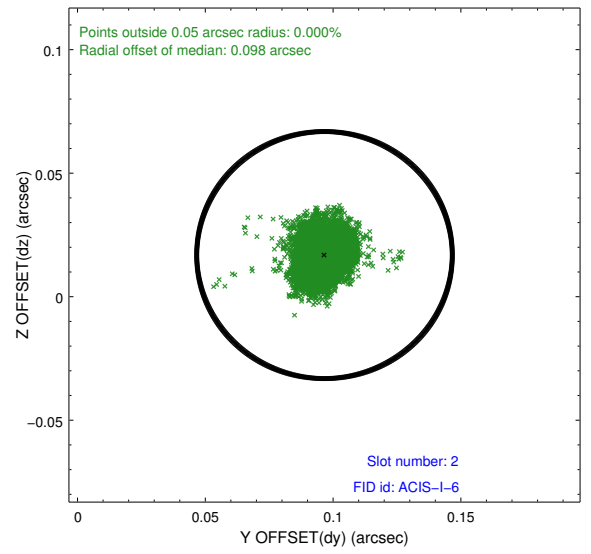
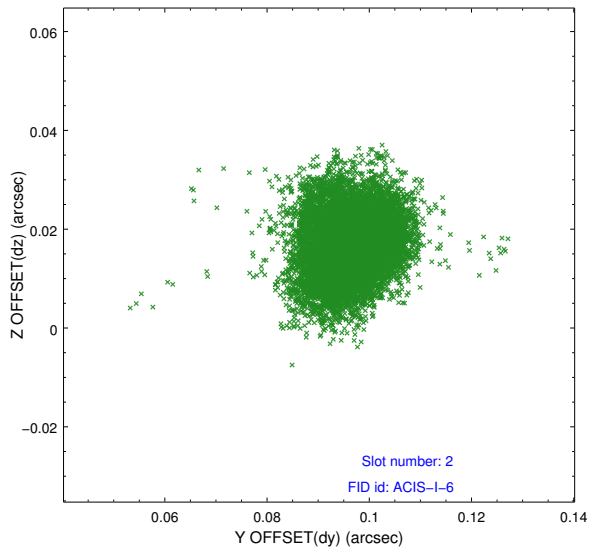
2.5.1 Slot 0



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)	2012.04.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	41.2826183

A.2 Comments