

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11067 - L2 Version 2
Chandra X-Ray Center

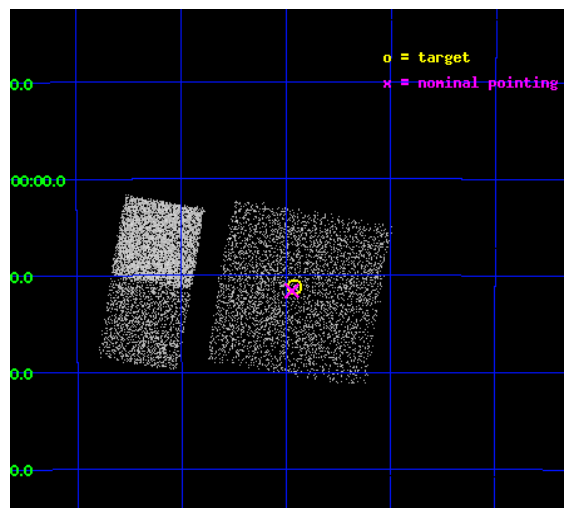
L2 Processing Date : Jun 23 2012

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1 Front

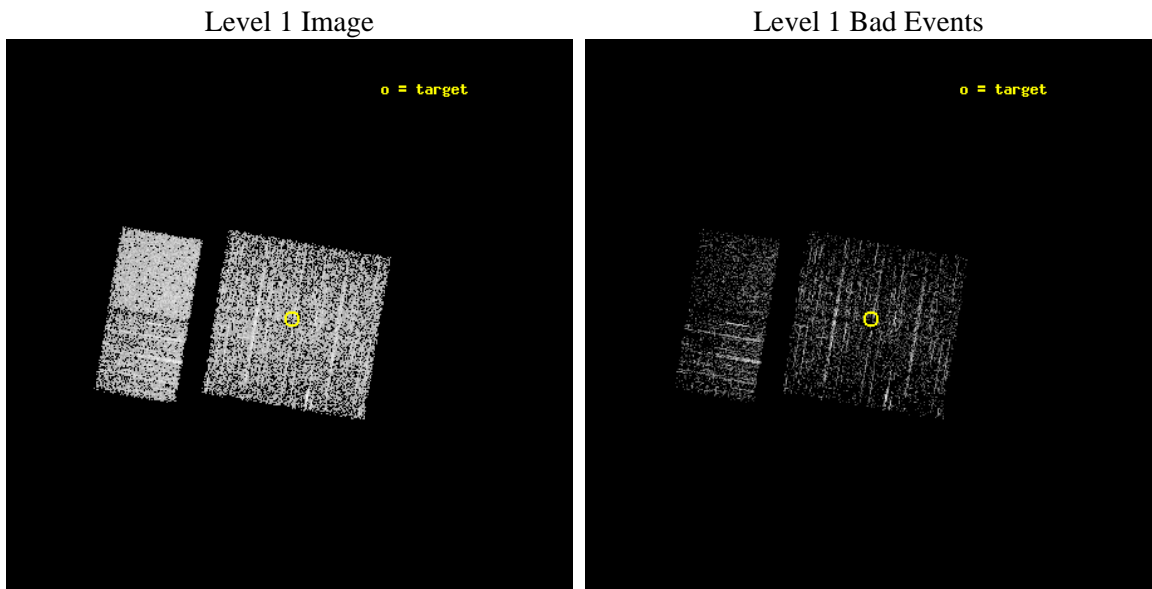
seq_num	401102	Sequence number
obs_id	11067	Observation id
title	Precise Positions of Historically Bright X-ray Binaries	Proposal t
observer	Dr. Alan Levine	Principal investigator
object	GS0834-430	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	128.980833	Observer's specified target RA [deg]
dec_targ	-43.186611	Observer's specified target Dec [deg]
ra_nom	128.98574249534	Nominal RA [deg]
dec_nom	-43.193479735015	Nominal Dec [deg]
roll_nom	279.5526938405	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1049.5999961495	Sum of GTIs [s]
livetime	1036.3093290051	Livetime [s]
ontime0	1049.5999961495	Sum of GTIs [s]
ontime1	1049.5999961495	Sum of GTIs [s]
ontime2	1049.5999961495	Sum of GTIs [s]
ontime3	1049.5999961495	Sum of GTIs [s]
ontime6	1049.5999961495	Sum of GTIs [s]
ontime7	1049.5999961495	Sum of GTIs [s]
l2events	13297	Number of level 2 events



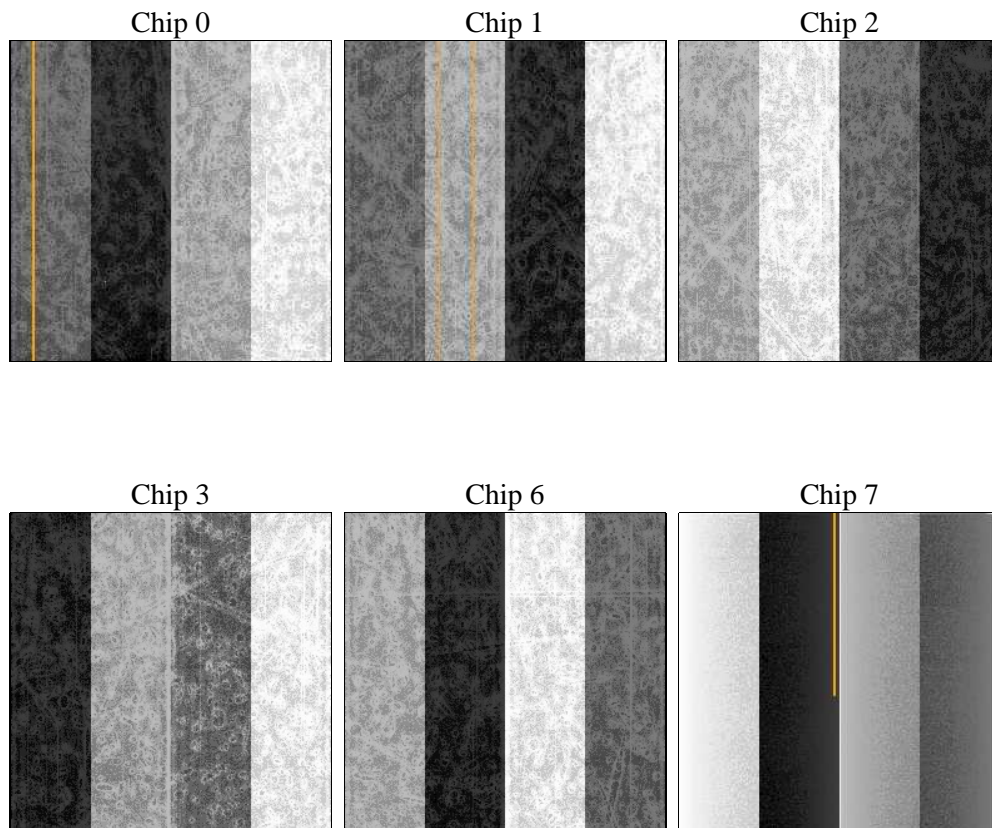
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1049.5999961495	Sum of GTIs [s]
caldsver	4.4.10	 	ontime0	1049.5999961495	Sum of GTIs [s]
date	2012-06-23T19:26:09	Date and time of file creation	ontime1	1049.5999961495	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	1049.5999961495	Sum of GTIs [s]
			ontime3	1049.5999961495	Sum of GTIs [s]
			ontime6	1049.5999961495	Sum of GTIs [s]
			ontime7	1049.5999961495	Sum of GTIs [s]
			l1events	51973	Number of level 1 events

2.1.4 Events

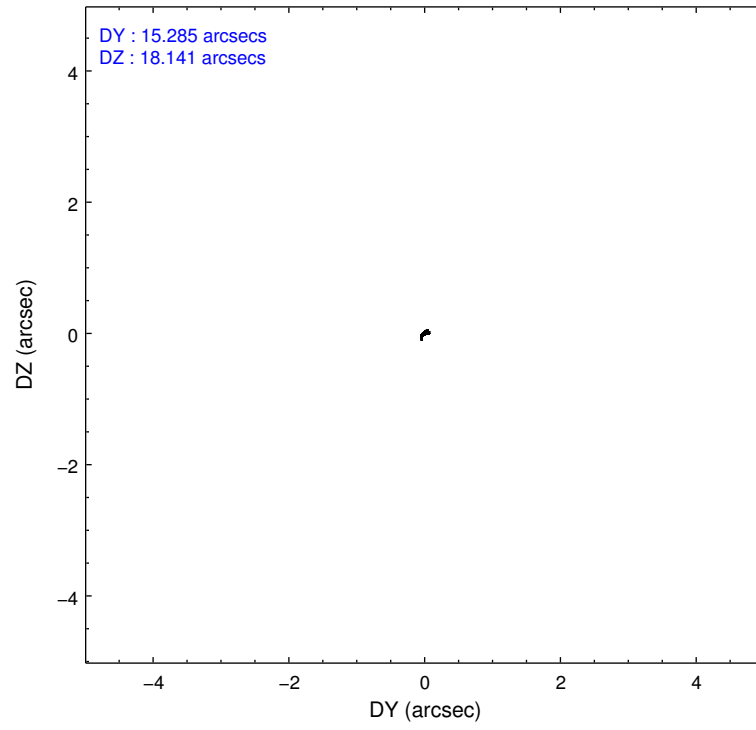
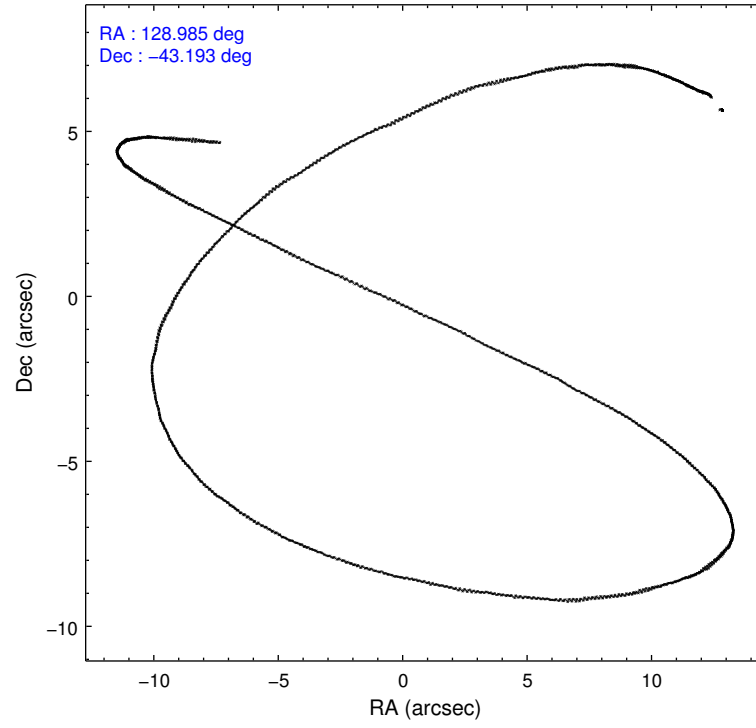
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	7210	7123	7966	7991	9477	12206
rejected events	6006	5734	6521	6642	7566	5250
rejected %	83%	80%	81%	83%	79%	43%

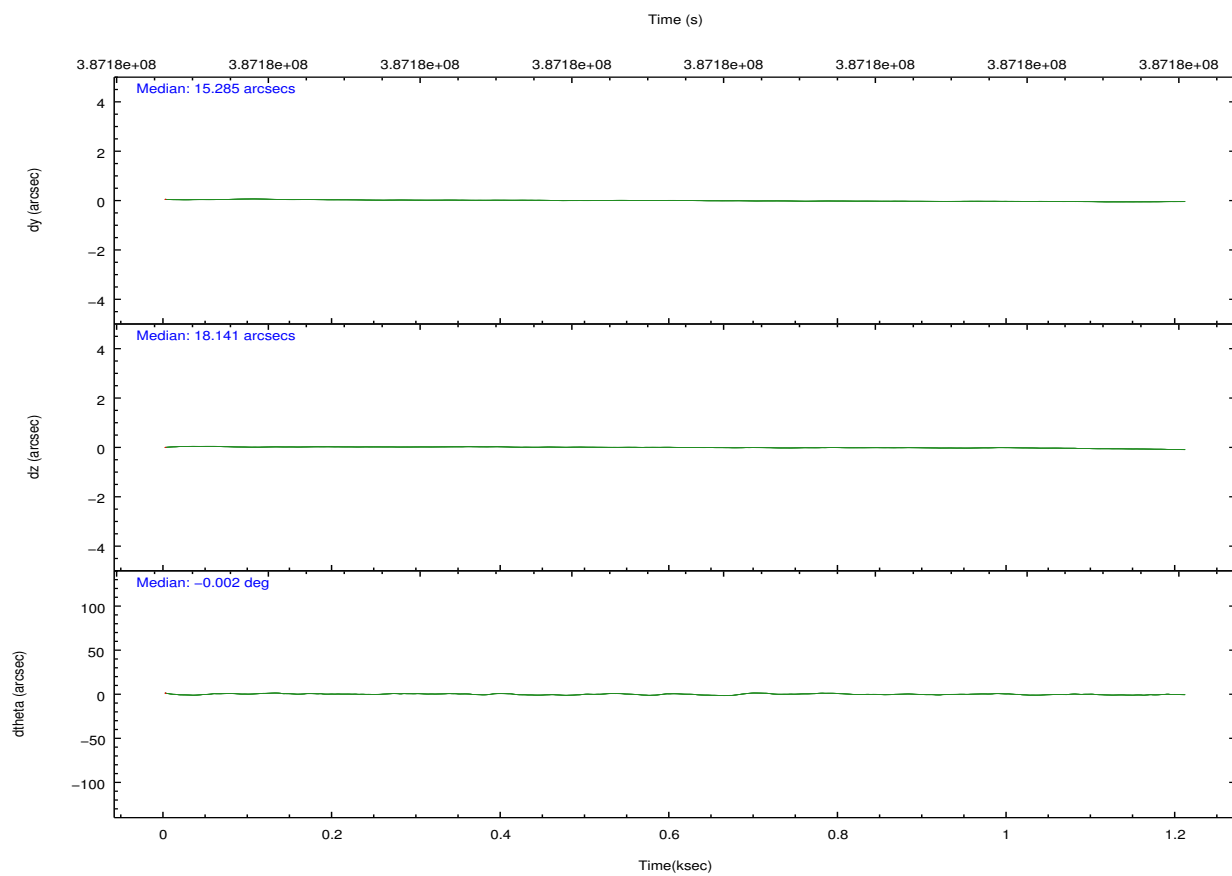
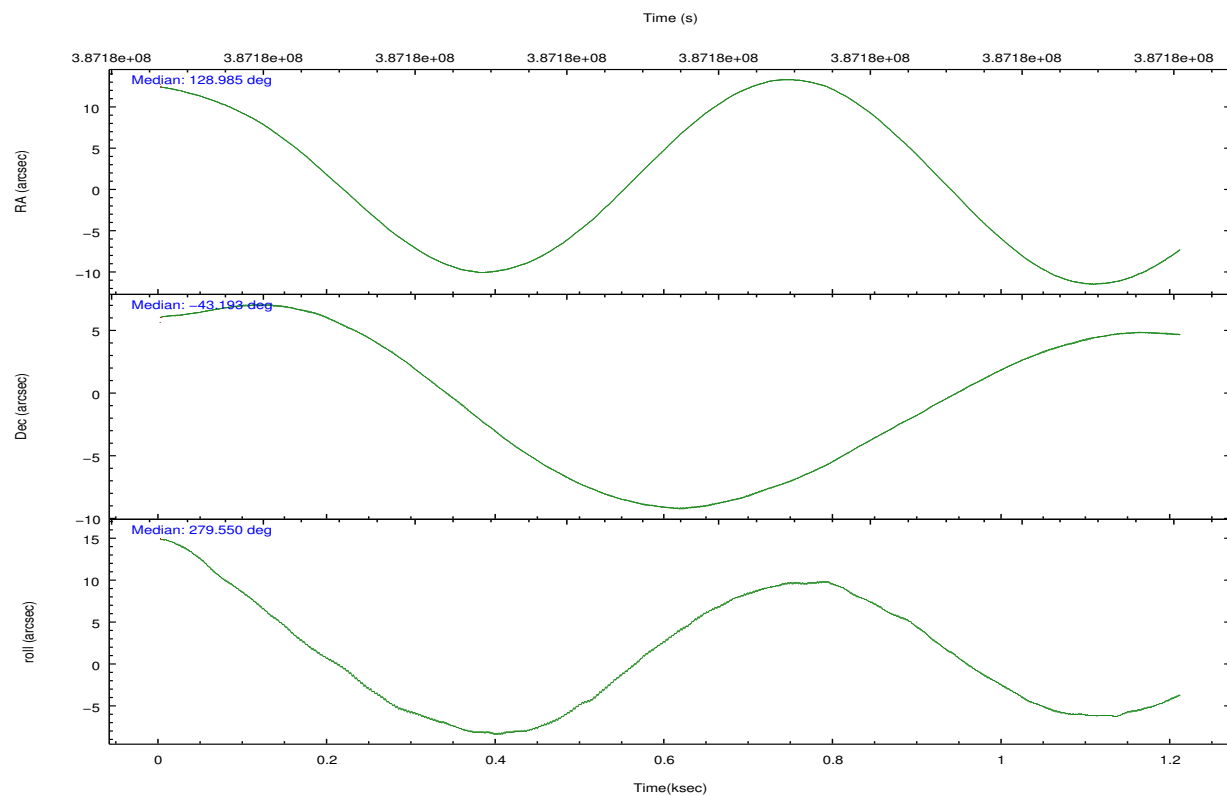
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	608	761	866	850	1247	1776
	8%	10%	10%	10%	13%	14%
grade 1 events	4	8	12	8	8	29
	0%	0%	0%	0%	0%	0%
grade 2 events	226	237	234	188	271	1483
	3%	3%	2%	2%	2%	12%
grade 3 events	107	100	109	77	116	629
	1%	1%	1%	0%	1%	5%
grade 4 events	92	92	97	82	94	607
	1%	1%	1%	1%	0%	4%
grade 5 events	324	327	273	321	377	1004
	4%	4%	3%	4%	3%	8%
grade 6 events	174	209	141	157	195	2512
	2%	2%	1%	1%	2%	20%
grade 7 events	5675	5389	6234	6308	7169	4166
	78%	75%	78%	78%	75%	34%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	128.961710	128.985742495342	CCD I2 on	Y	Y
[deg] Pointing Dec	-43.172691	-43.19347973501515	CCD I3 on	Y	Y
[deg] Pointing Roll	279.327526	279.5526938404957	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	O2	Y
[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)	387183541.184000	387182524.10465	CCD S5 on	N	N
Observation start date	2010-04-09T06:57:55	2010-04-09T06:42:04	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	387184541.184000	387185638.56731	On-chip summing requested	N	N
Observation end date	2010-04-09T07:14:35	2010-04-09T07:33:58	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



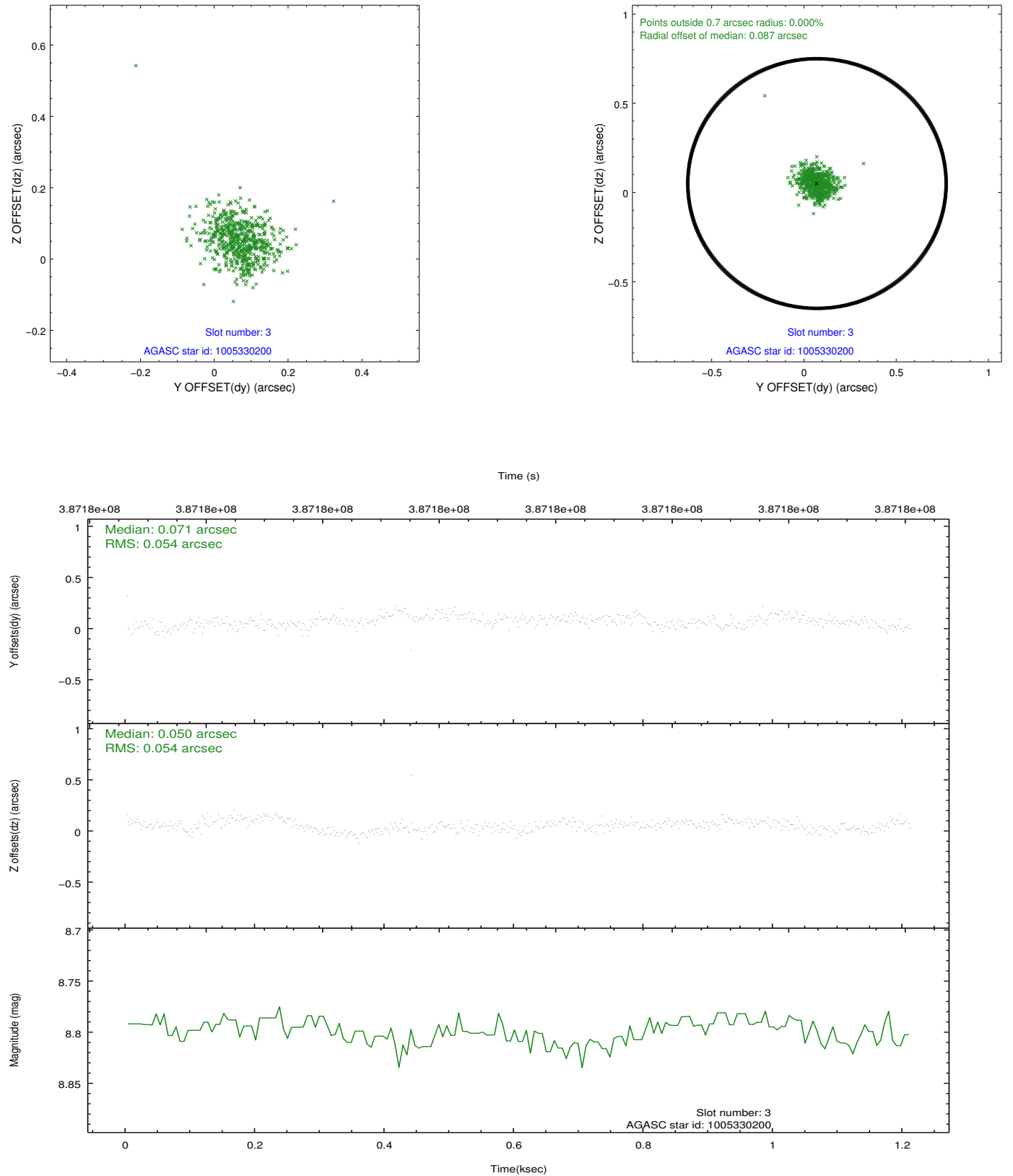


Slot Statistics

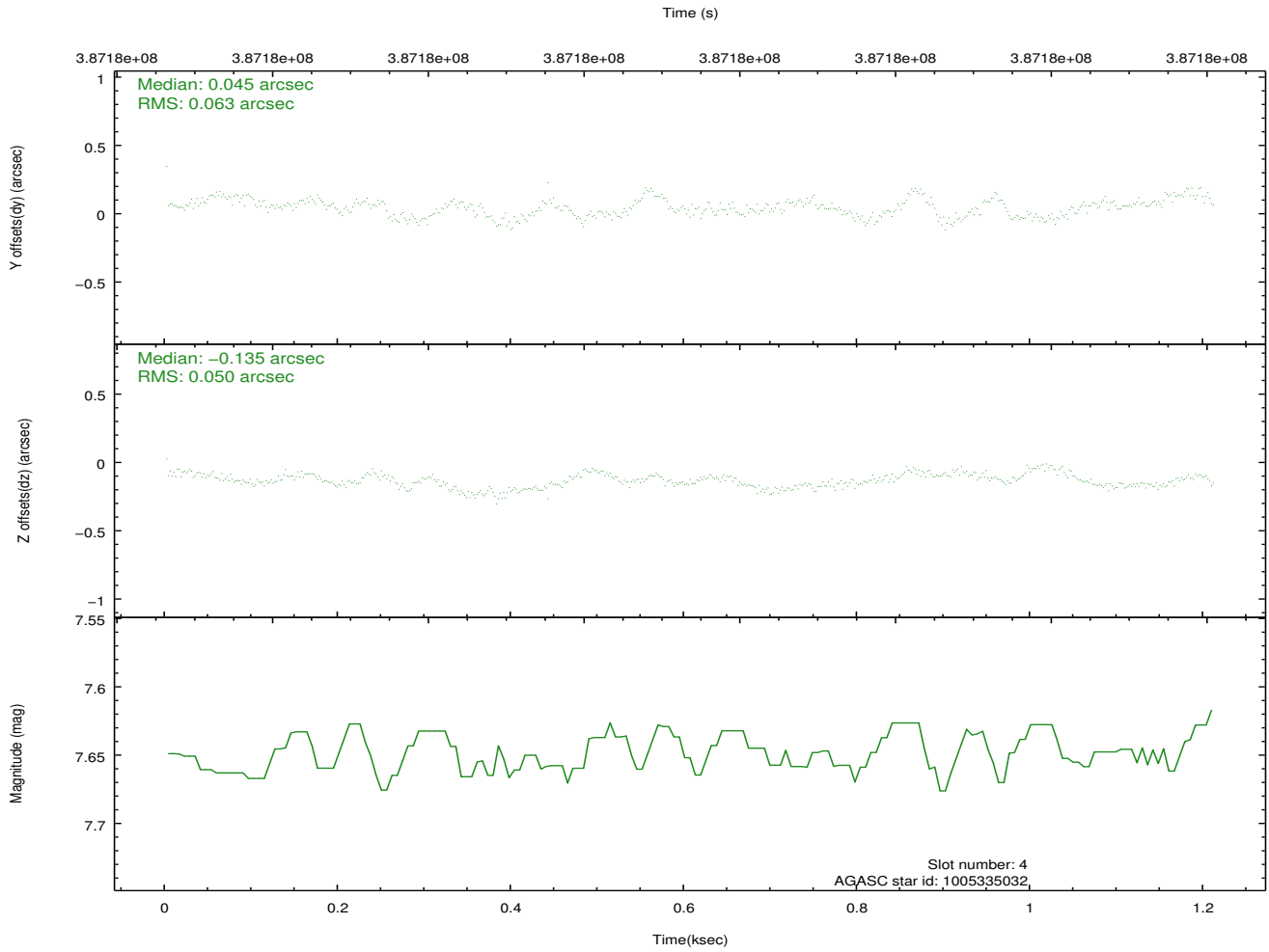
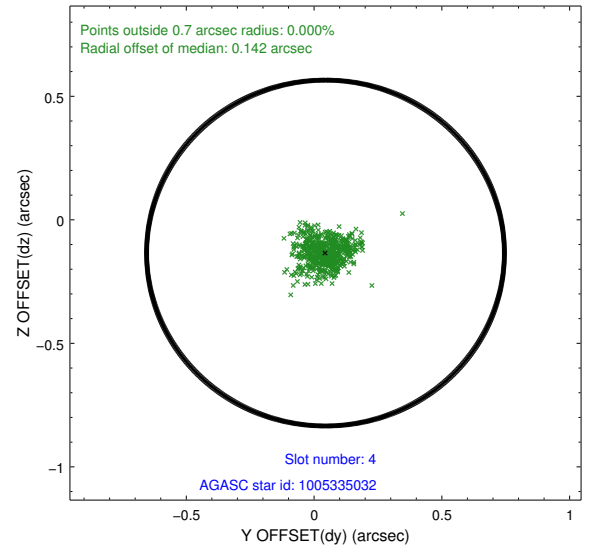
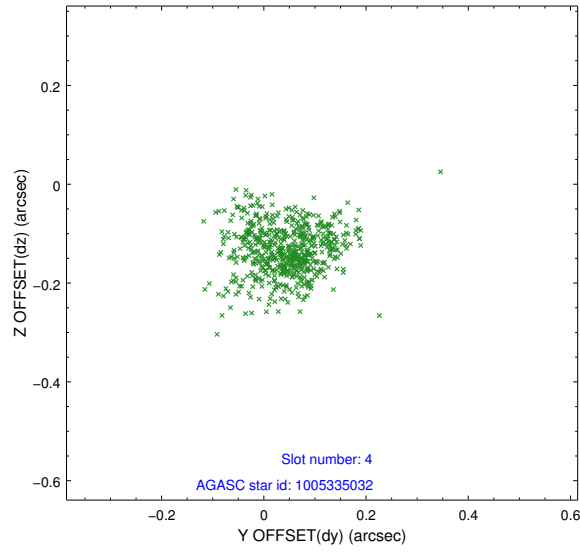
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	6.91	296	-0.074	-0.071	0.011	0.018	0.000000	0.000000	-770.08	-848.25
1	FID	ACIS-I-4	6.95	296	0.176	0.066	0.007	0.013	0.000000	0.000000	2141.70	1055.27
2	FID	ACIS-I-5	6.98	296	-0.202	0.074	0.010	0.015	0.000000	0.000000	-1817.00	1059.38
3	GUIDE	1005330200	8.80	591	0.071	0.050	0.078	0.129	129.469765	-42.559278	-1955.36	1686.84
4	GUIDE	1005335032	7.65	591	0.045	-0.135	0.085	0.141	128.904941	-42.560458	-2201.33	211.48
5	GUIDE	1005337992	8.48	591	0.238	0.016	0.063	0.113	128.344661	-42.851803	-1400.10	-1420.08
6	BAD	1005848792	8.24	524	-0.066	-0.335	0.064	0.106	129.279861	-43.533078	1414.54	605.68
7	GUIDE	1005862096	7.05	590	-0.292	0.378	0.058	0.119	128.290617	-43.683863	1543.20	-2021.66

2.4 Star Slots

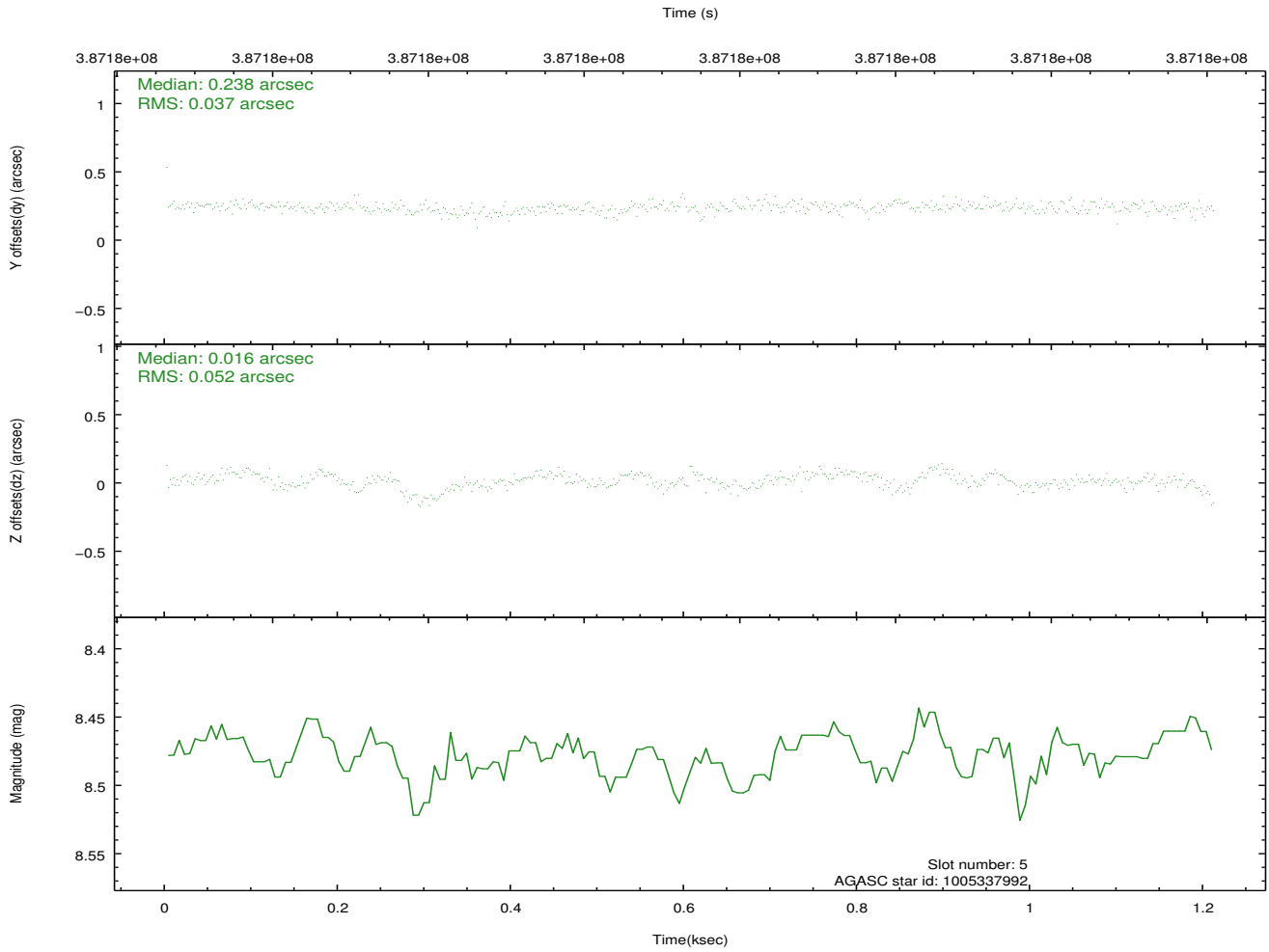
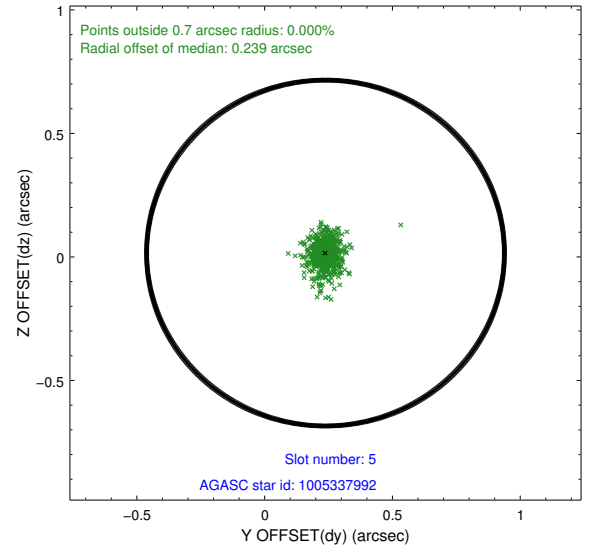
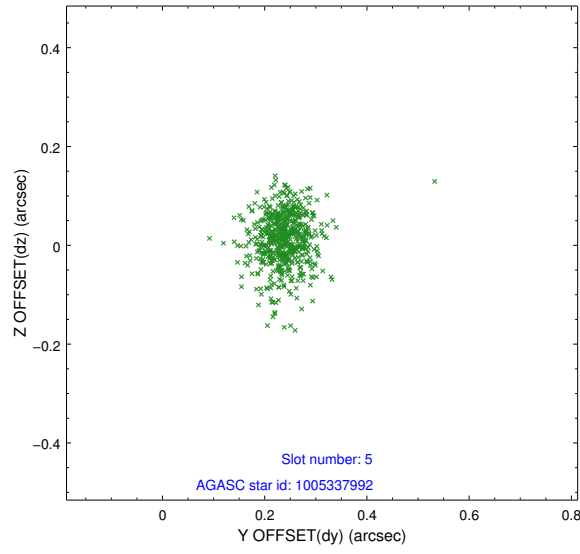
2.4.1 Slot 3



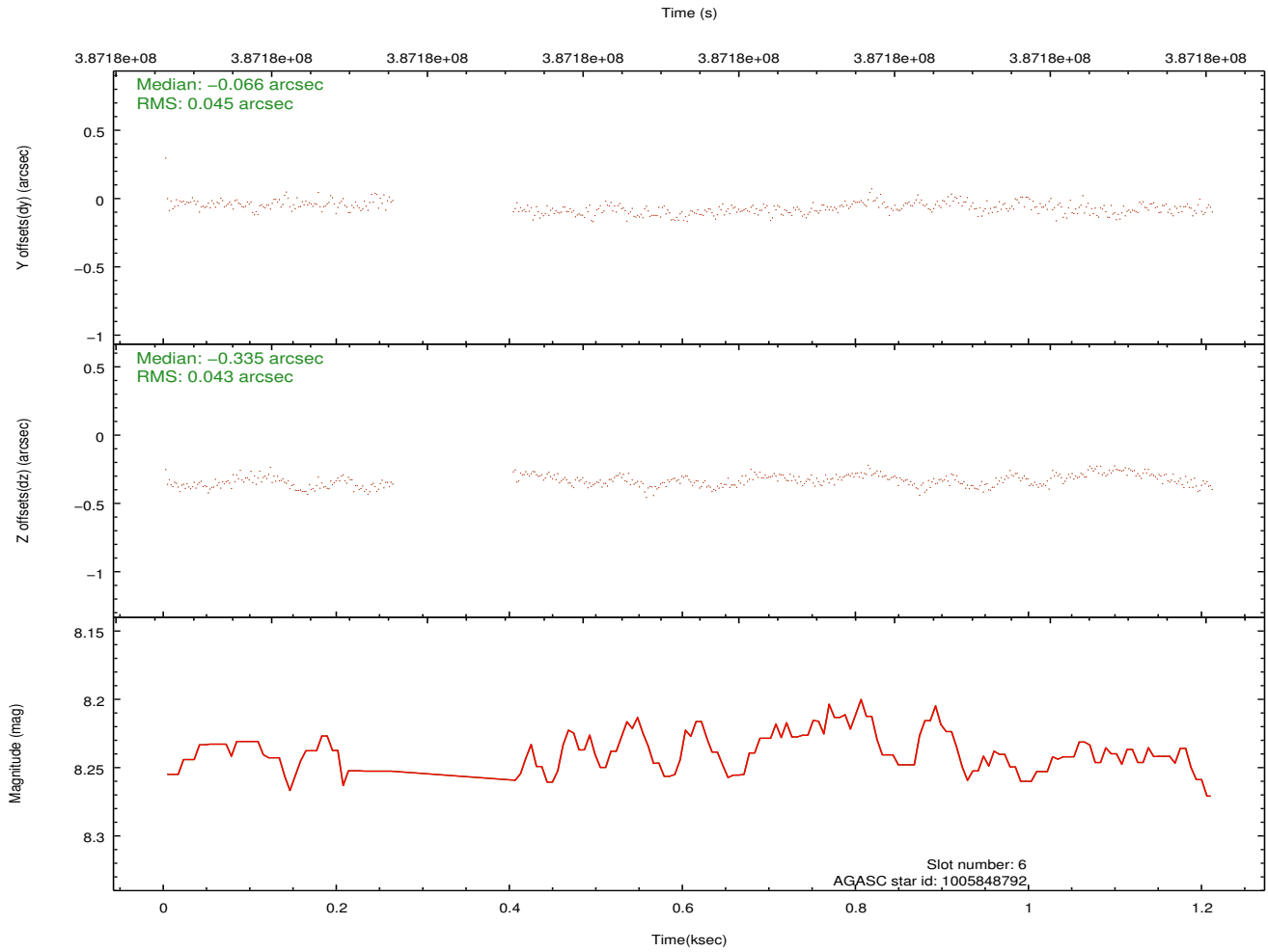
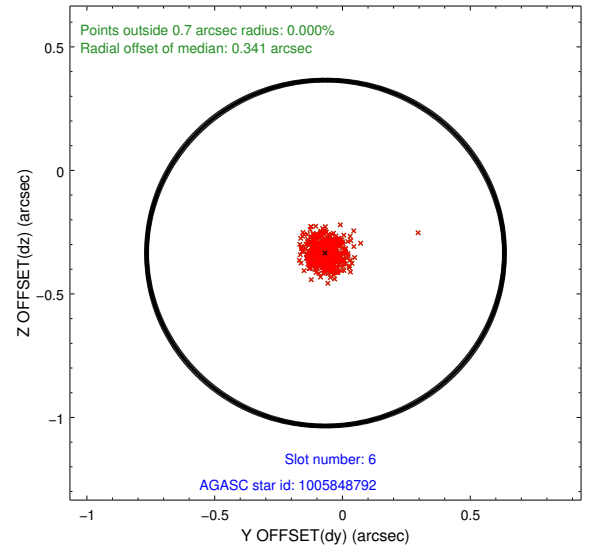
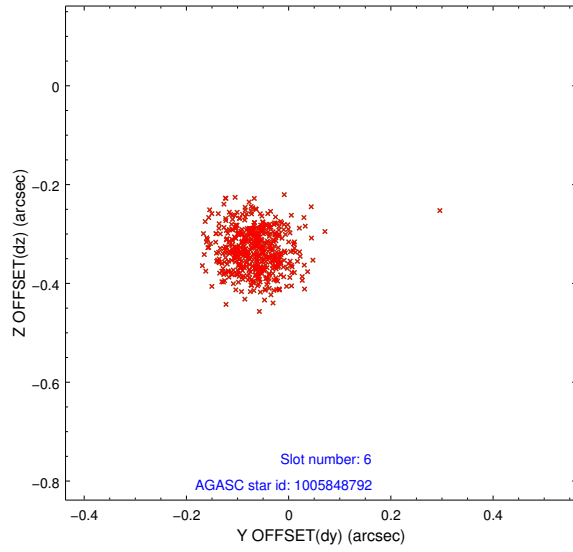
2.4.2 Slot 4



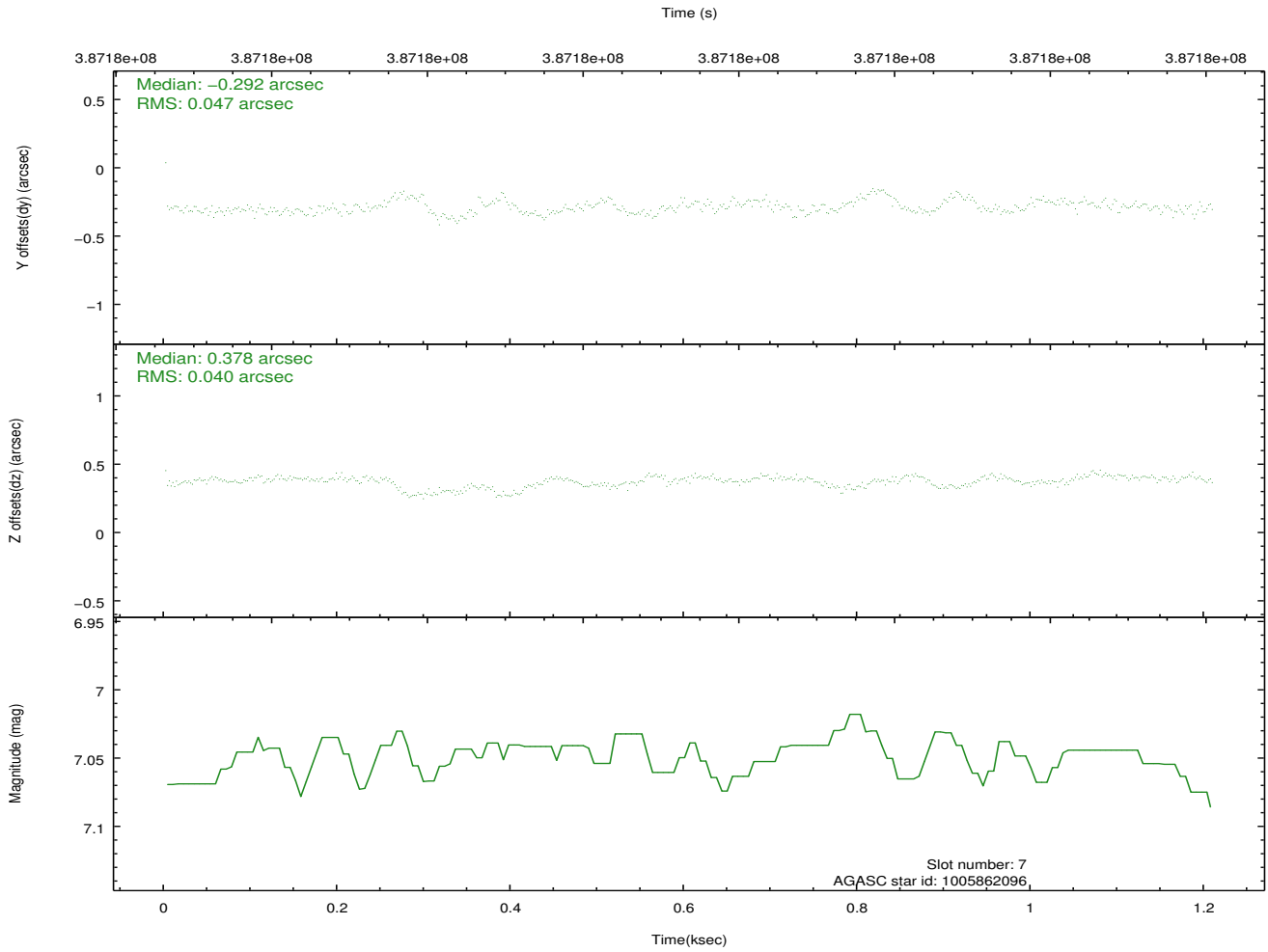
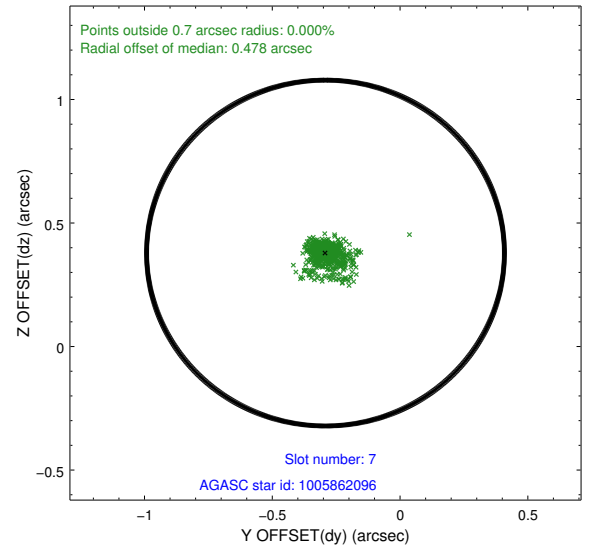
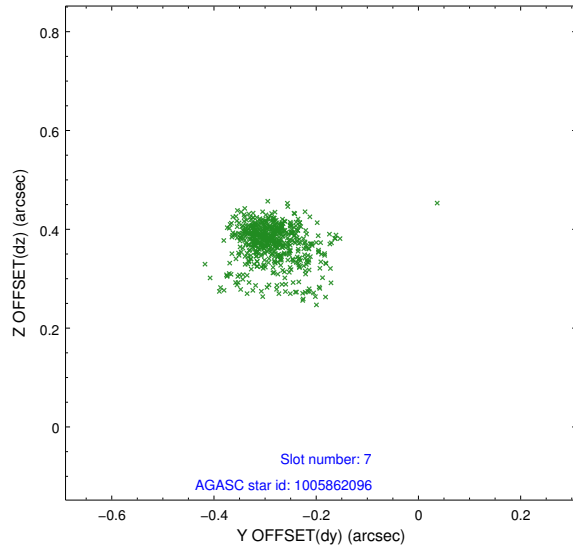
2.4.3 Slot 5



2.4.4 Slot 6

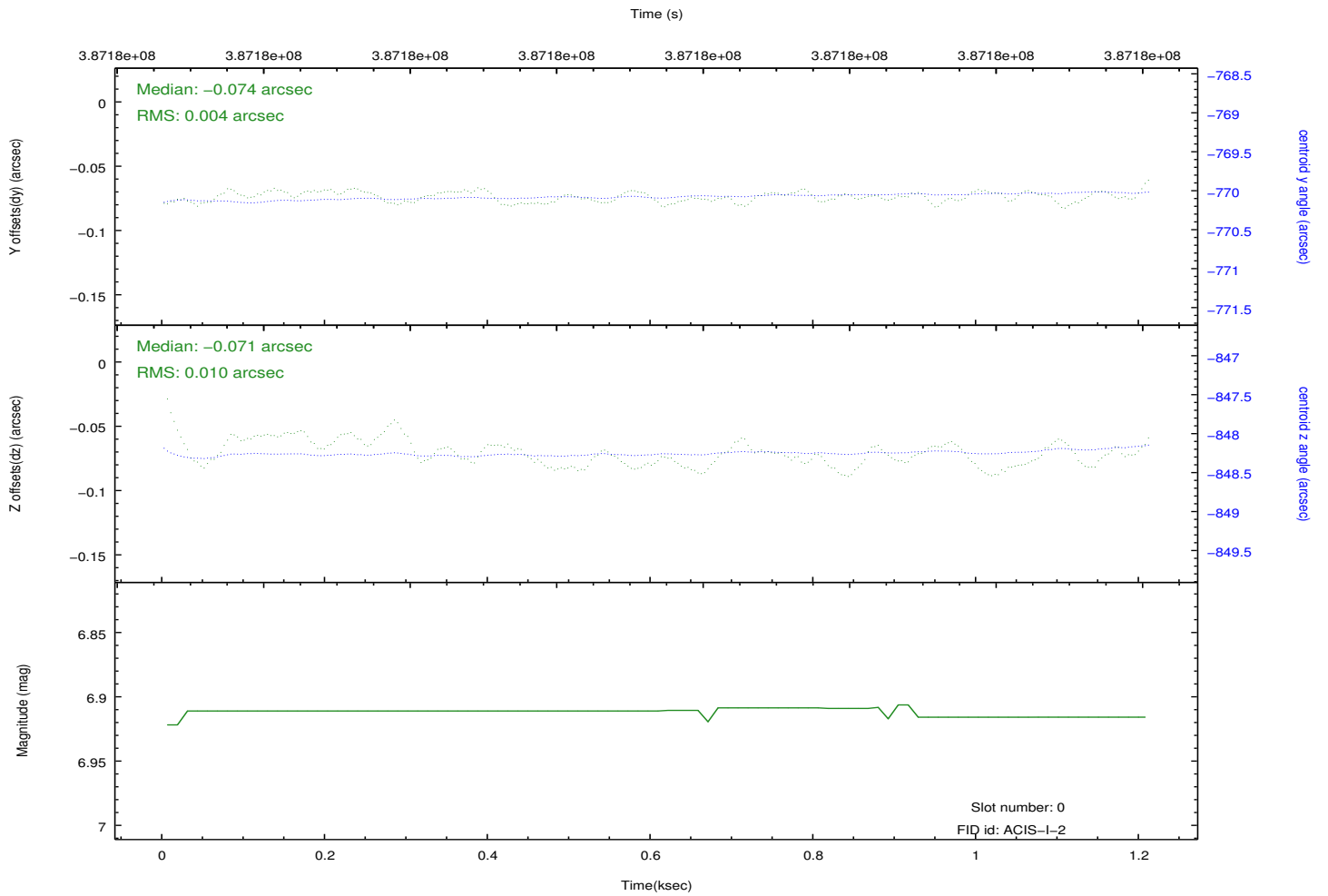
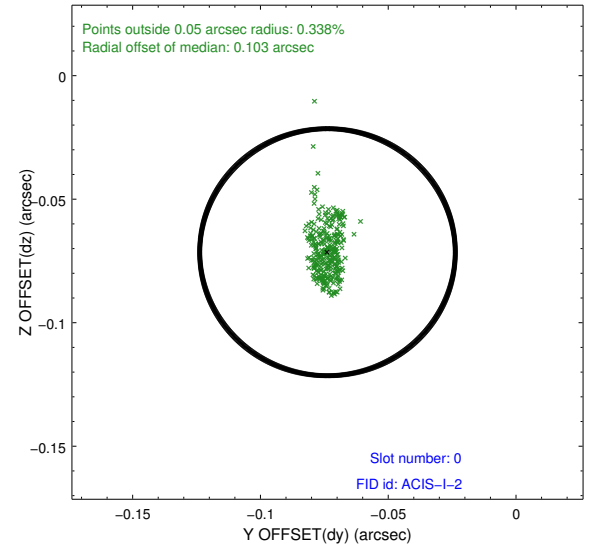
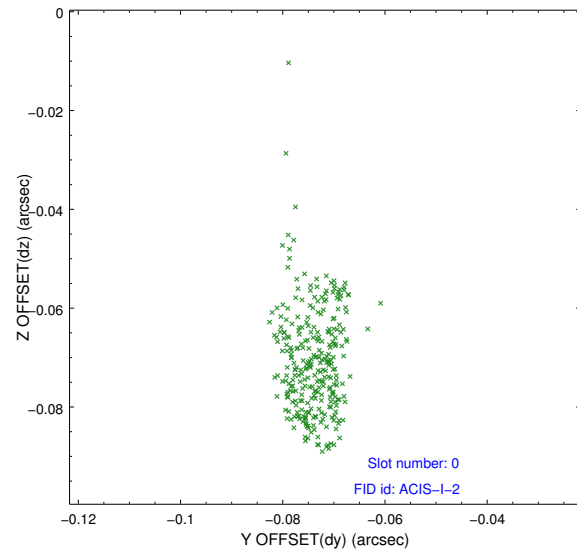


2.4.5 Slot 7

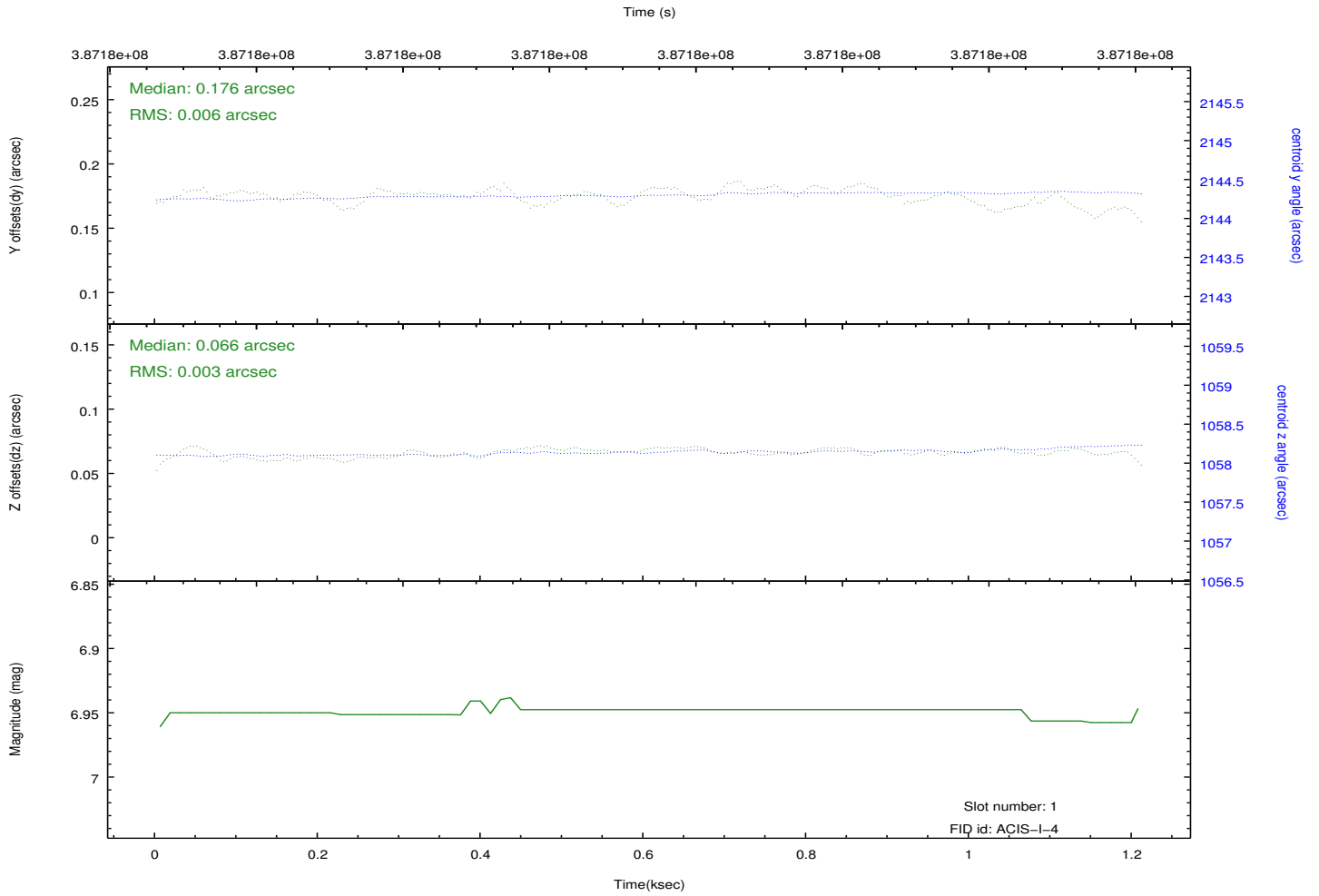
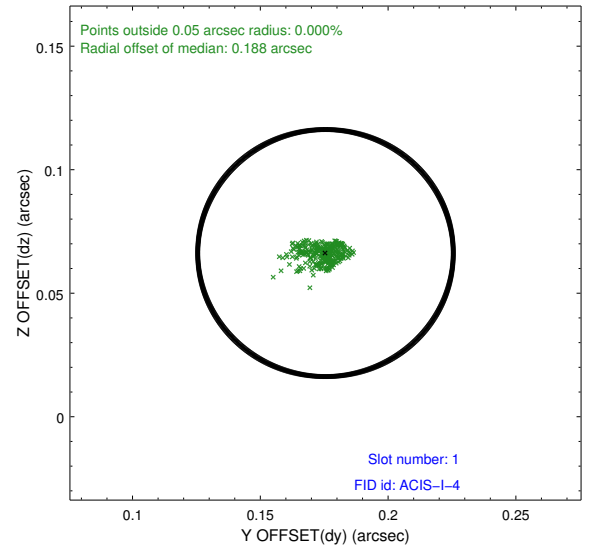
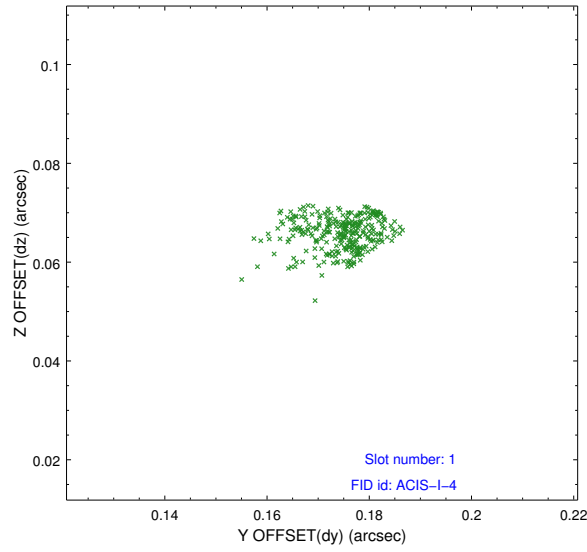


2.5 FID Slots

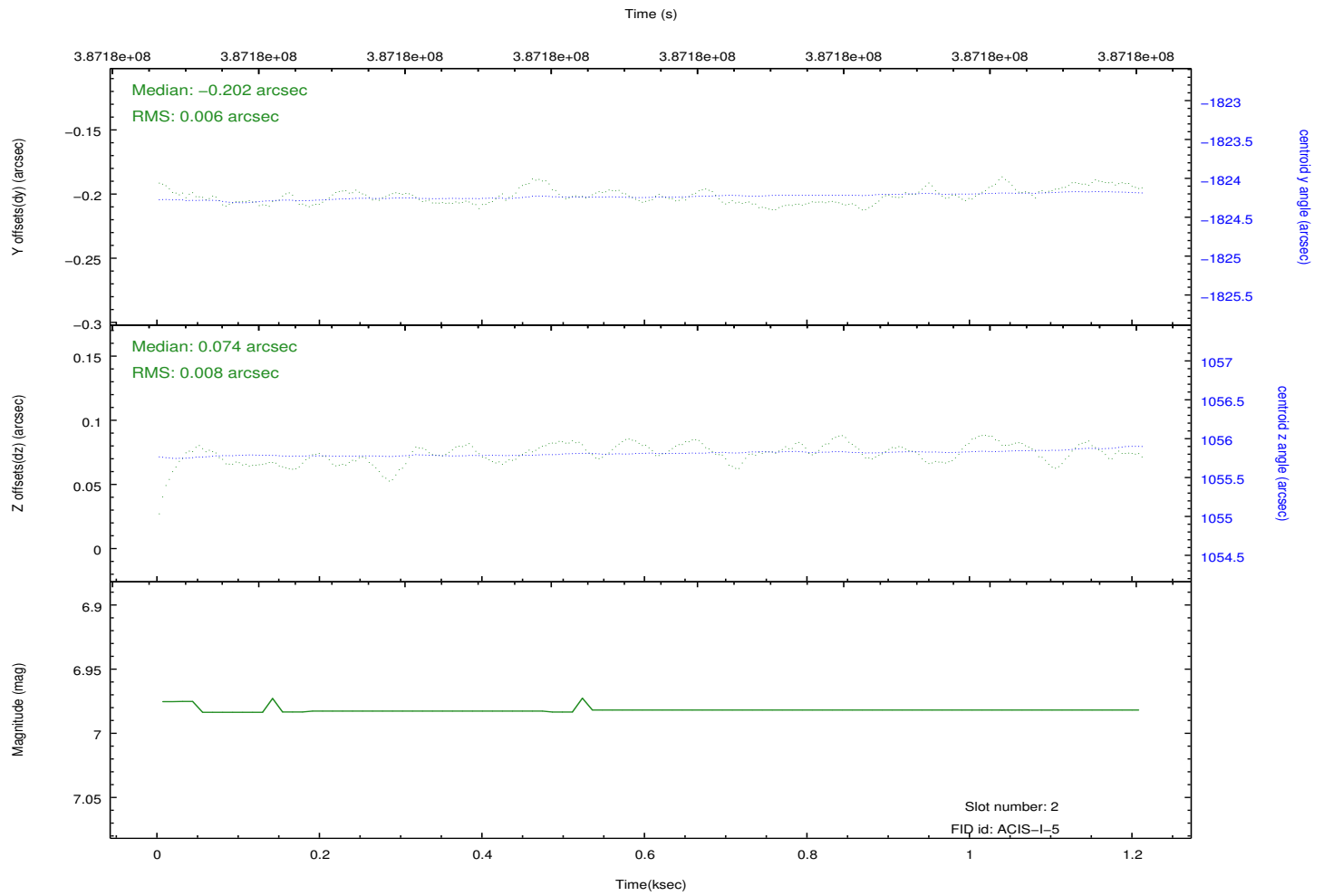
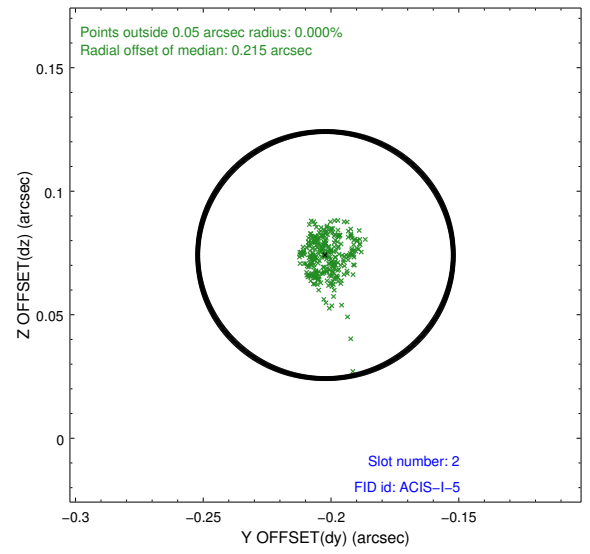
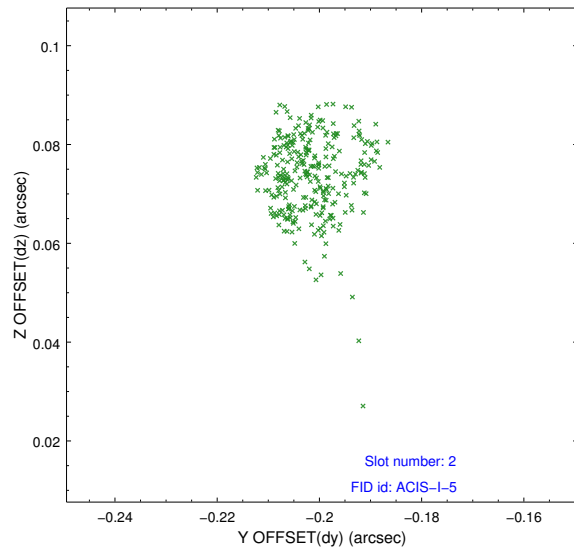
2.5.1 Slot 0



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)	2012.06.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.0495999961495

A.2 Comments