

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10731 - L2 Version 2
Chandra X-Ray Center

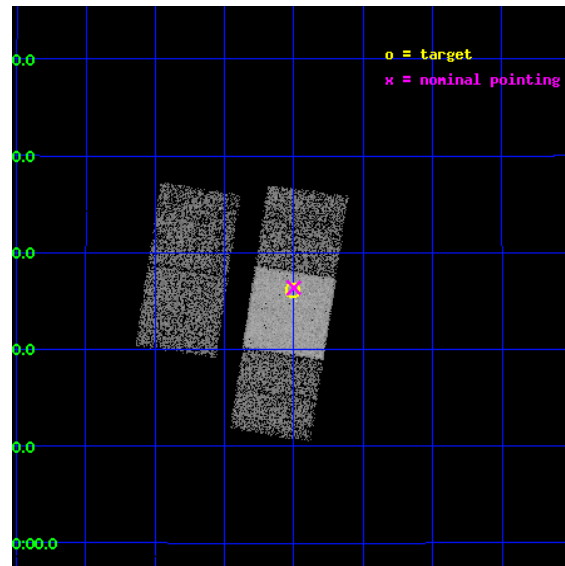
L2 Processing Date : Jun 1 2012

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

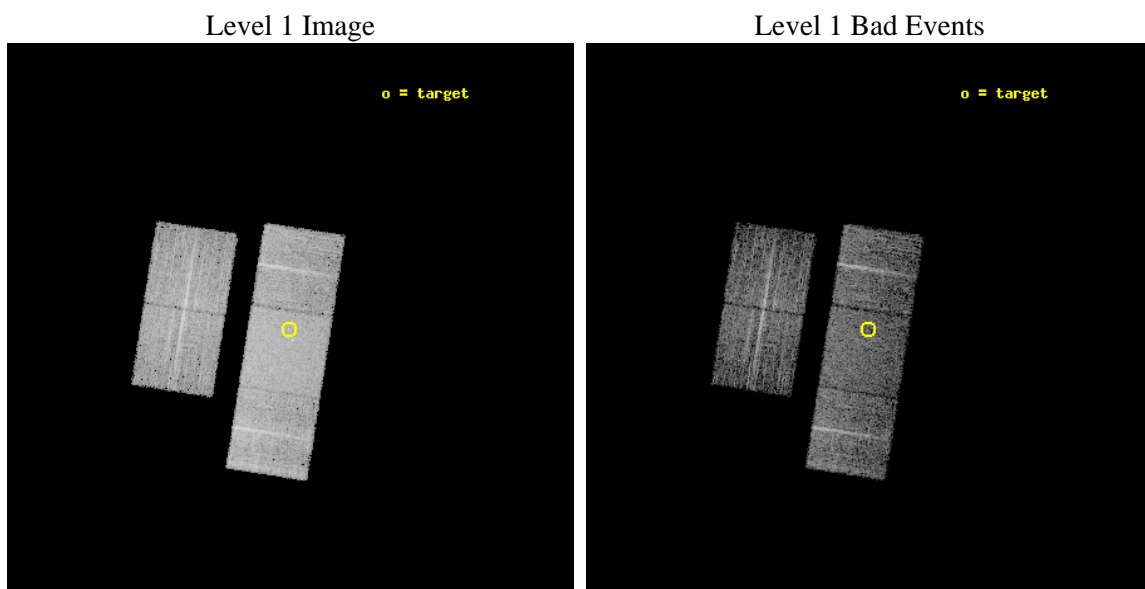
seq_num	701961	Sequence number
obs_id	10731	Observation id
title	A Chandra Snapshot Survey of Bright Mini-BAL Quasars	Proposal titl
observer	Professor Gordon Garmire	Principal investigator
object	SDSS J125230.84+142609.2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	193.128333	Observer's specified target RA [deg]
dec_targ	14.435889	Observer's specified target Dec [deg]
ra_nom	193.12503522704	Nominal RA [deg]
dec_nom	14.439573347233	Nominal Dec [deg]
roll_nom	98.956251717407	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4029.6954705119	Sum of GTIs [s]
livetime	3977.044532571	Livetime [s]
ontime2	4029.5313104987	Sum of GTIs [s]
ontime3	4026.4723701477	Sum of GTIs [s]
ontime6	4029.6544305086	Sum of GTIs [s]
ontime7	4029.6954705119	Sum of GTIs [s]
ontime8	4029.572350502	Sum of GTIs [s]
l2events	41423	Number of level 2 events



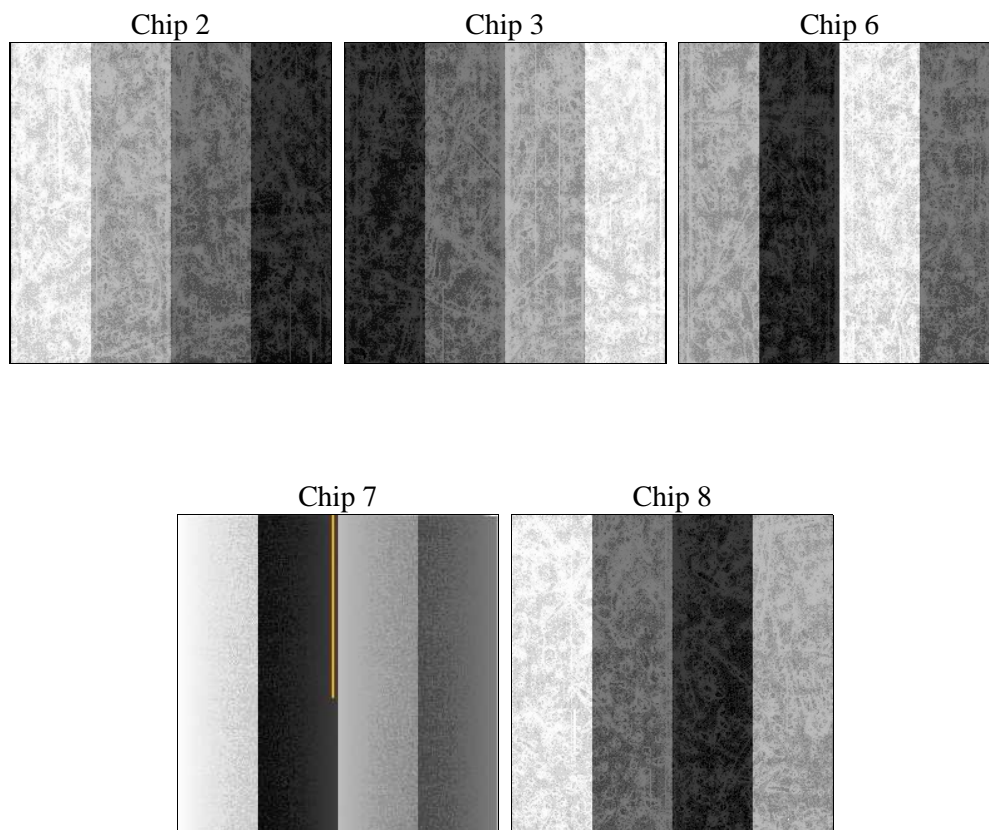
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	4029.6954705119	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	4029.5313104987	Sum of GTIs [s]
date	2012-06-01T22:49:31	Date and time of file creation	ontime3	4026.4723701477	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	4029.6544305086	Sum of GTIs [s]
			ontime7	4029.6954705119	Sum of GTIs [s]
			ontime8	4029.572350502	Sum of GTIs [s]
			l1events	233434	Number of level 1 events

2.1.4 Events

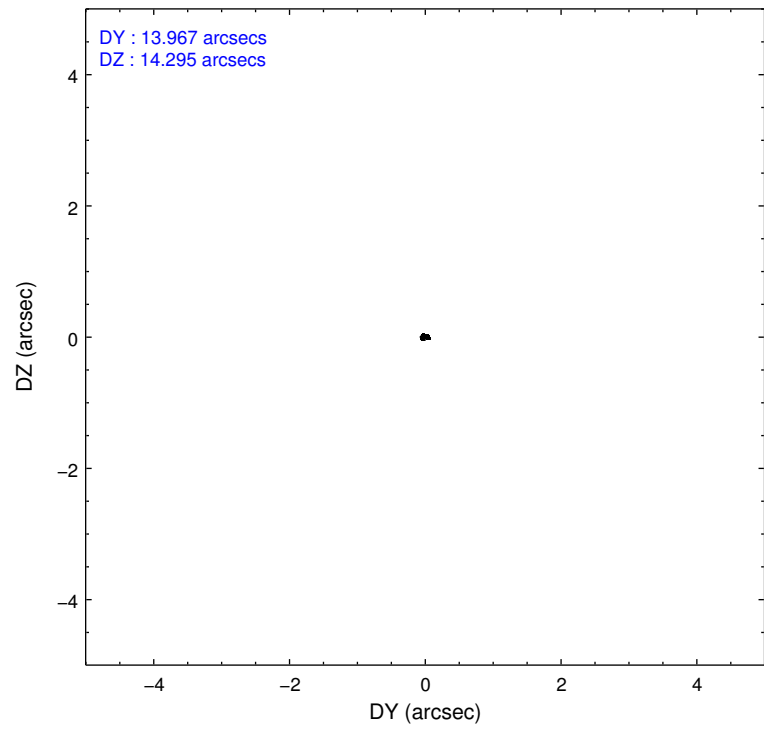
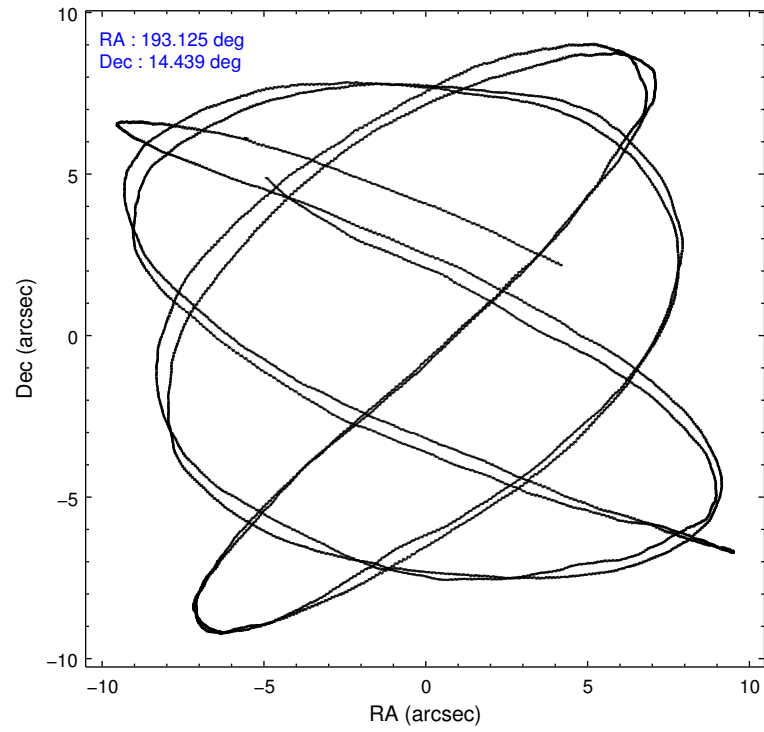
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	40734	40604	40887	58641	52568
rejected events	35940	35596	35952	34333	40614
rejected %	88%	87%	87%	58%	77%

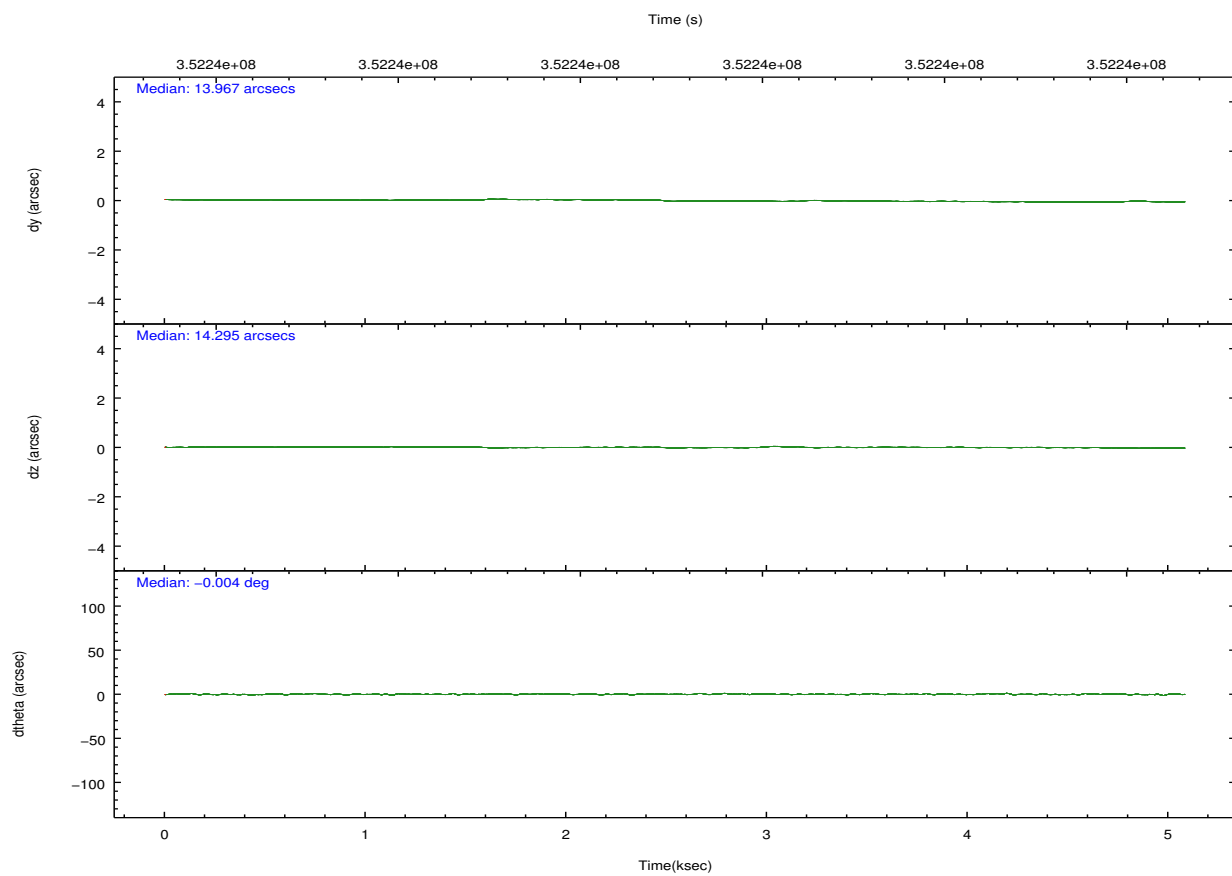
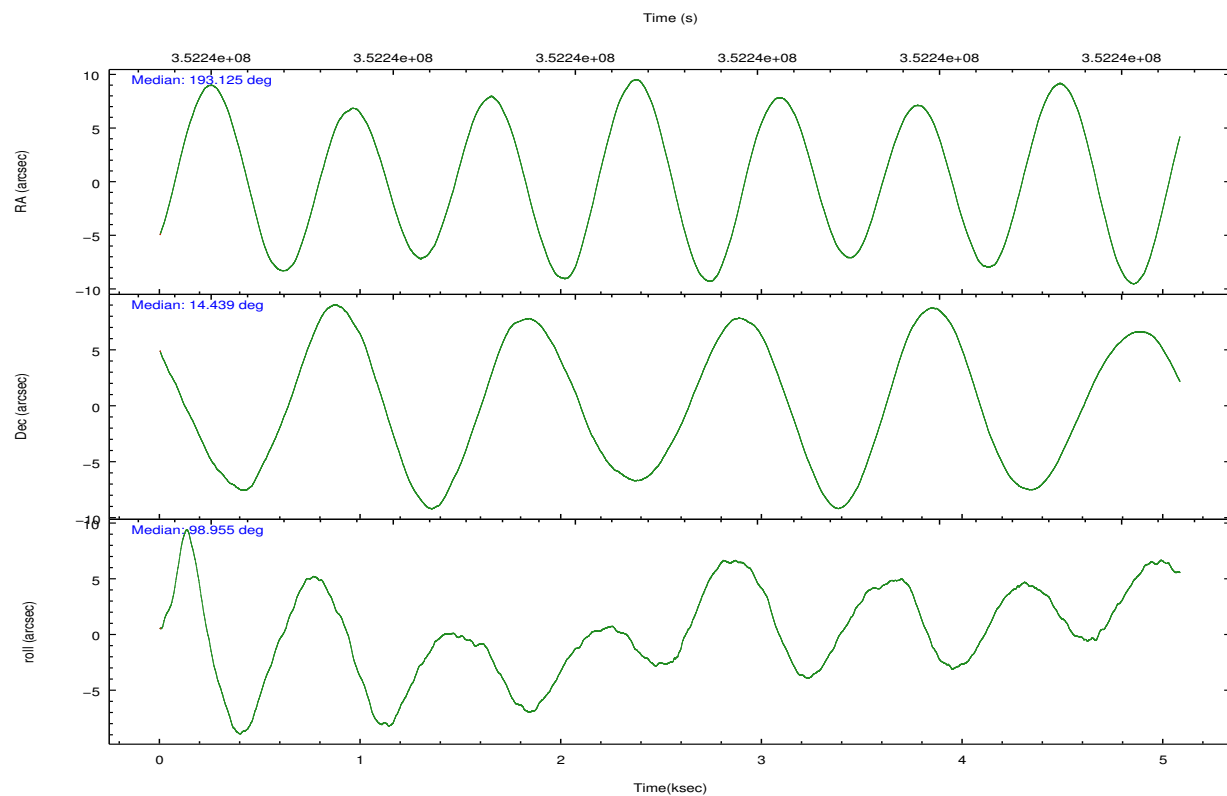
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	2009	2141	1920	2154	3632
	4%	5%	4%	3%	6%
grade 1 events	29	29	26	61	45
	0%	0%	0%	0%	0%
grade 2 events	1012	994	1107	5043	2836
	2%	2%	2%	8%	5%
grade 3 events	497	482	475	2034	1255
	1%	1%	1%	3%	2%
grade 4 events	462	495	459	1968	1158
	1%	1%	1%	3%	2%
grade 5 events	1595	2105	2062	5524	2733
	3%	5%	5%	9%	5%
grade 6 events	816	898	977	13130	3107
	2%	2%	2%	22%	5%
grade 7 events	34314	33460	33861	28727	37802
	84%	82%	82%	48%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	193.143113	193.1250352270389	CCD I2 on	O1	Y
[deg] Pointing Dec	14.418541	14.43957334723316	CCD I3 on	O2	Y
[deg] Pointing Roll	98.795128	98.95625171740744	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	352240061.184000	352238685.13702	CCD S5 on	N	N
Observation start date	2009-02-28T20:26:35	2009-02-28T20:04:45	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	352244061.184000	352245264.09985	On-chip summing requested	N	N
Observation end date	2009-02-28T21:33:15	2009-02-28T21:54:24	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



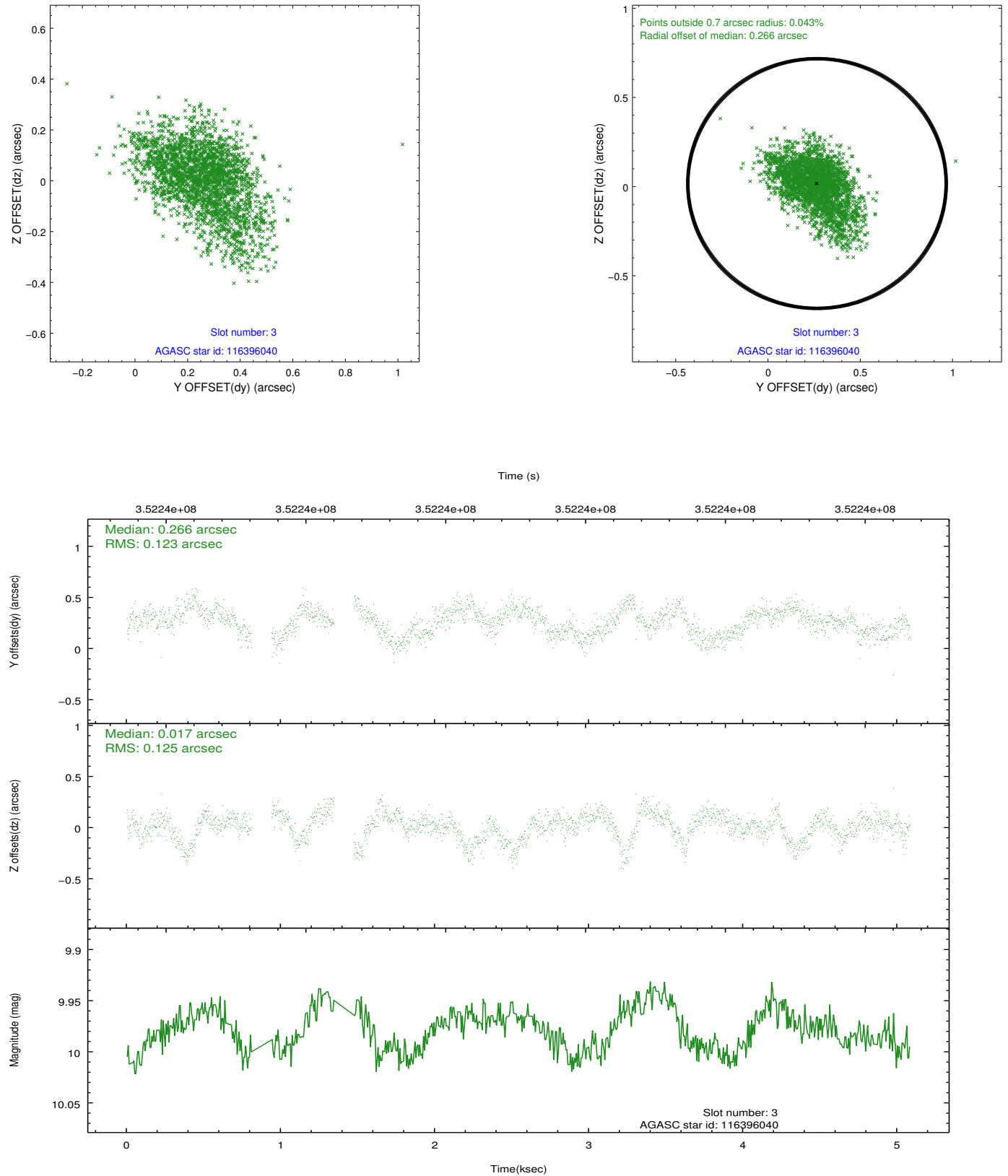


Slot Statistics

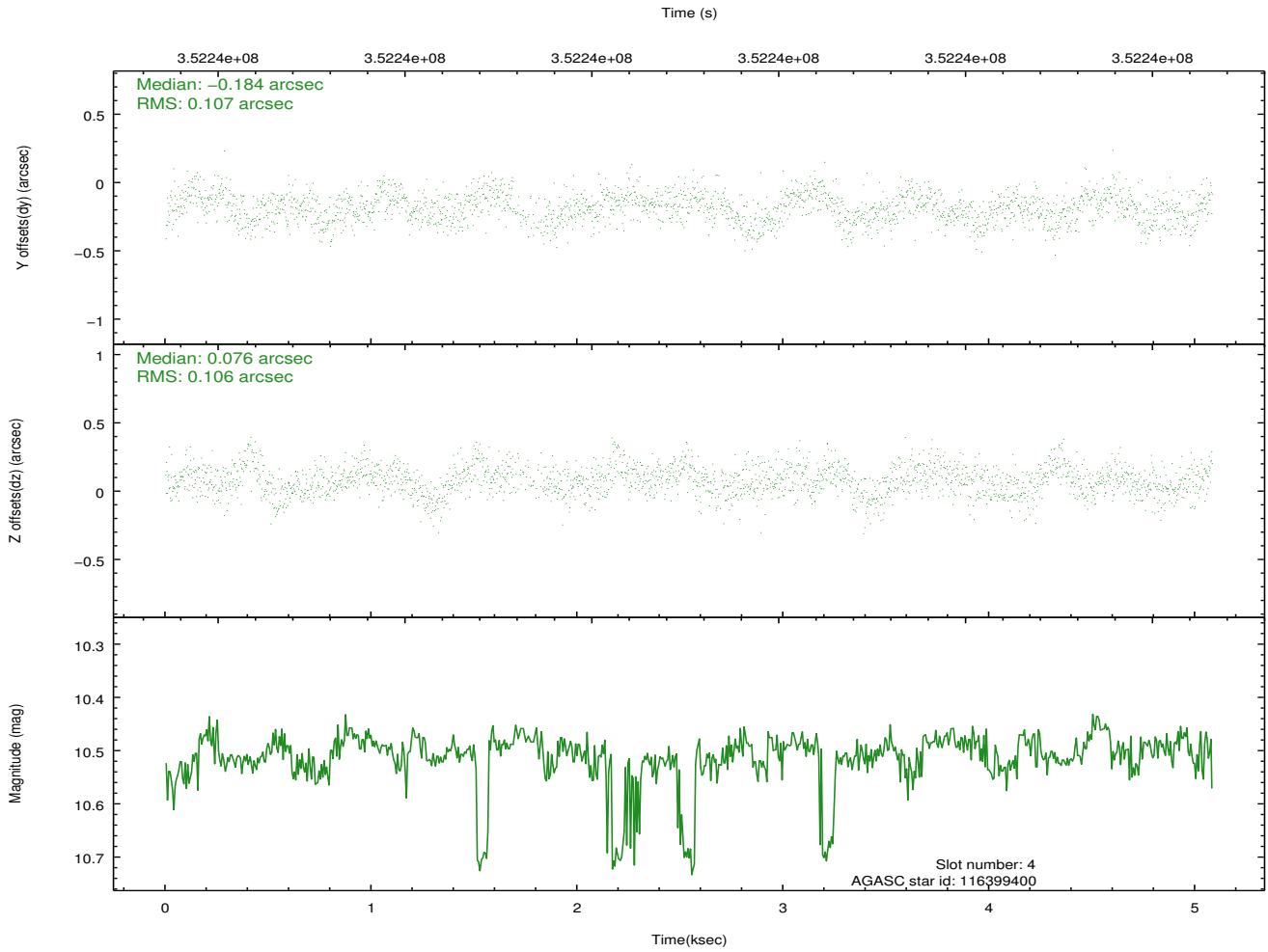
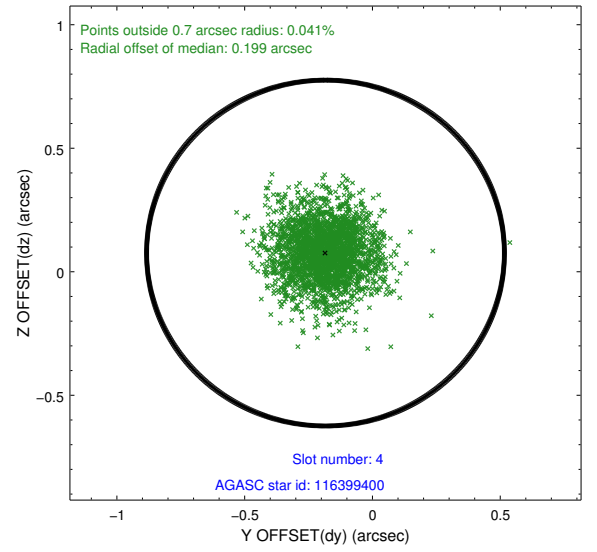
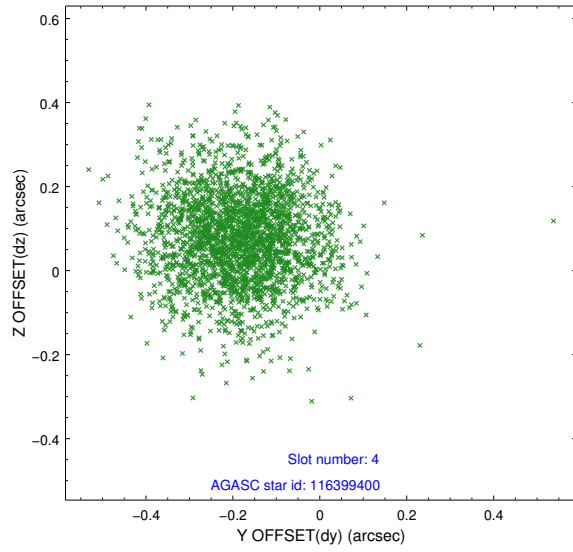
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.98	1240	-0.069	-0.056	0.006	0.011	0.000000	0.000000	-766.96	-1735.67
1	FID	ACIS-S-4	7.06	1240	0.212	0.048	0.006	0.011	0.000000	0.000000	2146.04	171.70
2	FID	ACIS-S-5	7.09	1240	-0.175	0.016	0.006	0.011	0.000000	0.000000	-1818.39	166.67
3	GUIDE	116396040	9.98	2349	0.266	0.017	0.182	0.312	193.289133	14.001082	-1562.33	-274.24
4	GUIDE	116399400	10.51	2423	-0.184	0.076	0.160	0.258	193.313020	14.522667	279.78	-642.47
5	GUIDE	116399472	10.01	2477	-0.208	-0.057	0.264	0.453	193.053383	14.947119	1928.40	17.47
6	GUIDE	116399560	9.79	2476	0.203	0.094	0.125	0.201	193.579892	14.421609	-219.27	-1506.95
7	GUIDE	116400424	9.08	2466	-0.067	-0.120	0.136	0.213	192.853312	14.858898	1721.48	753.67

2.4 Star Slots

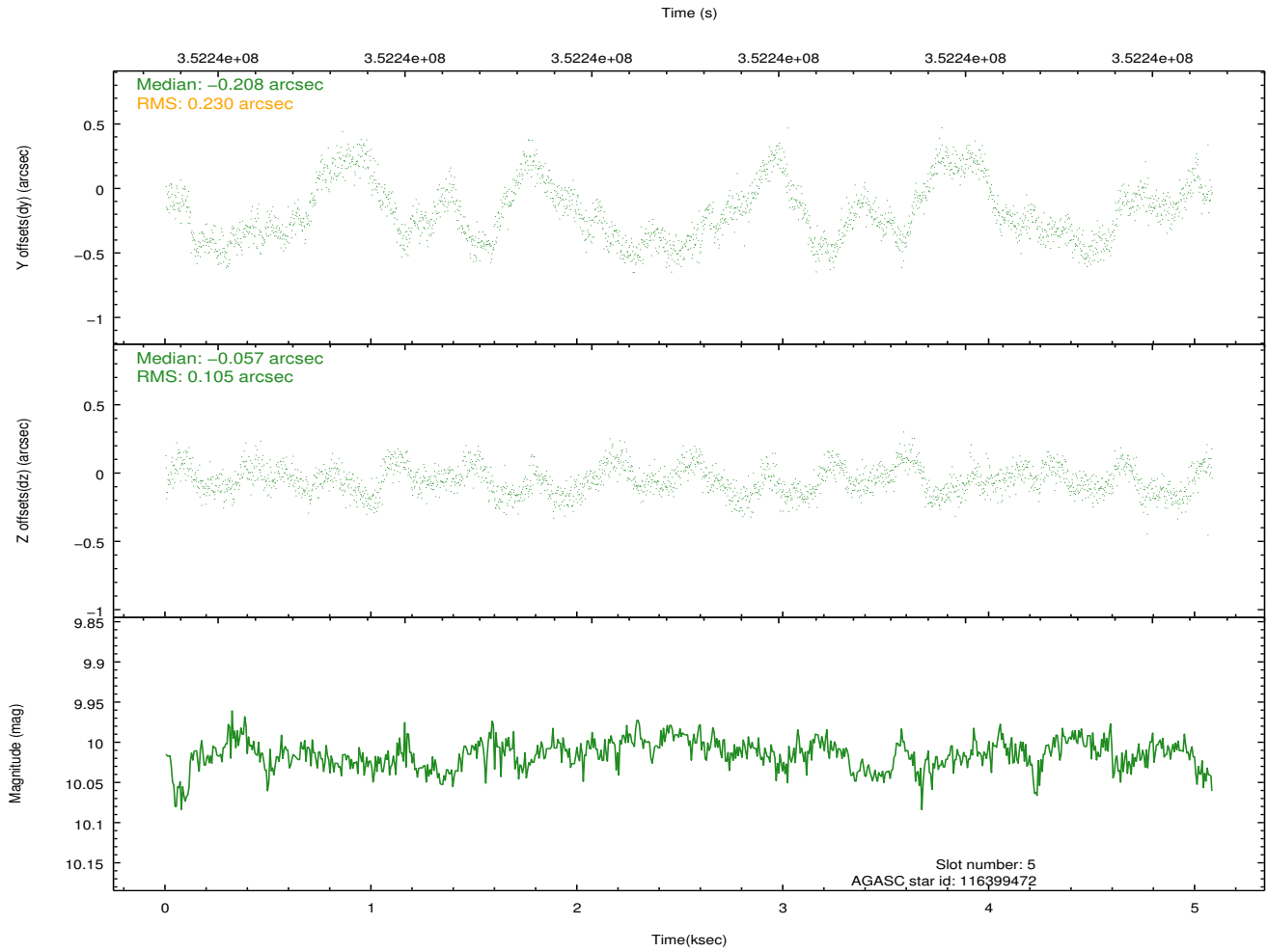
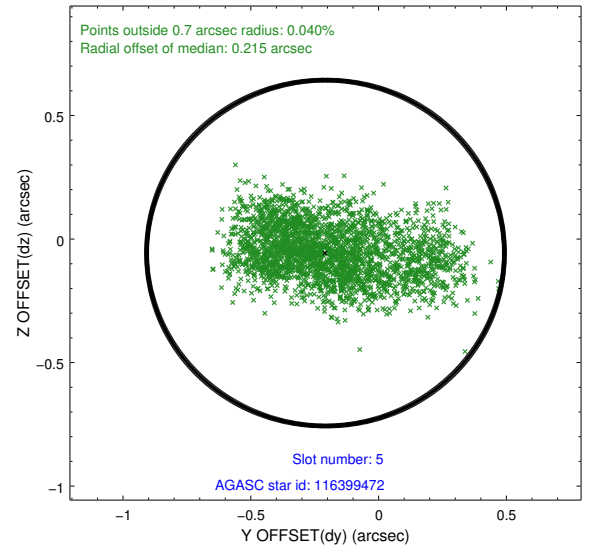
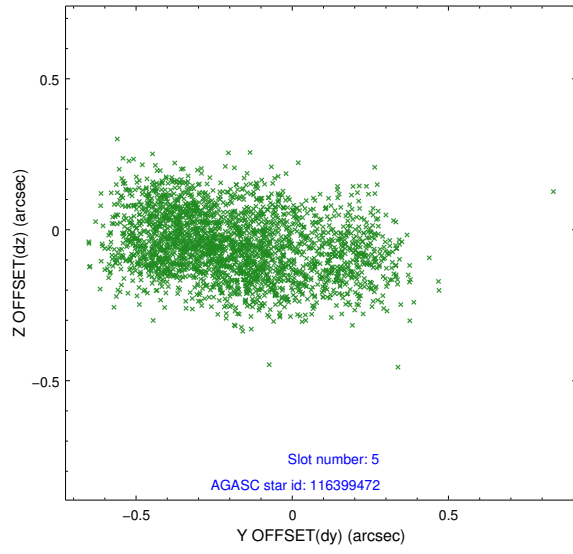
2.4.1 Slot 3



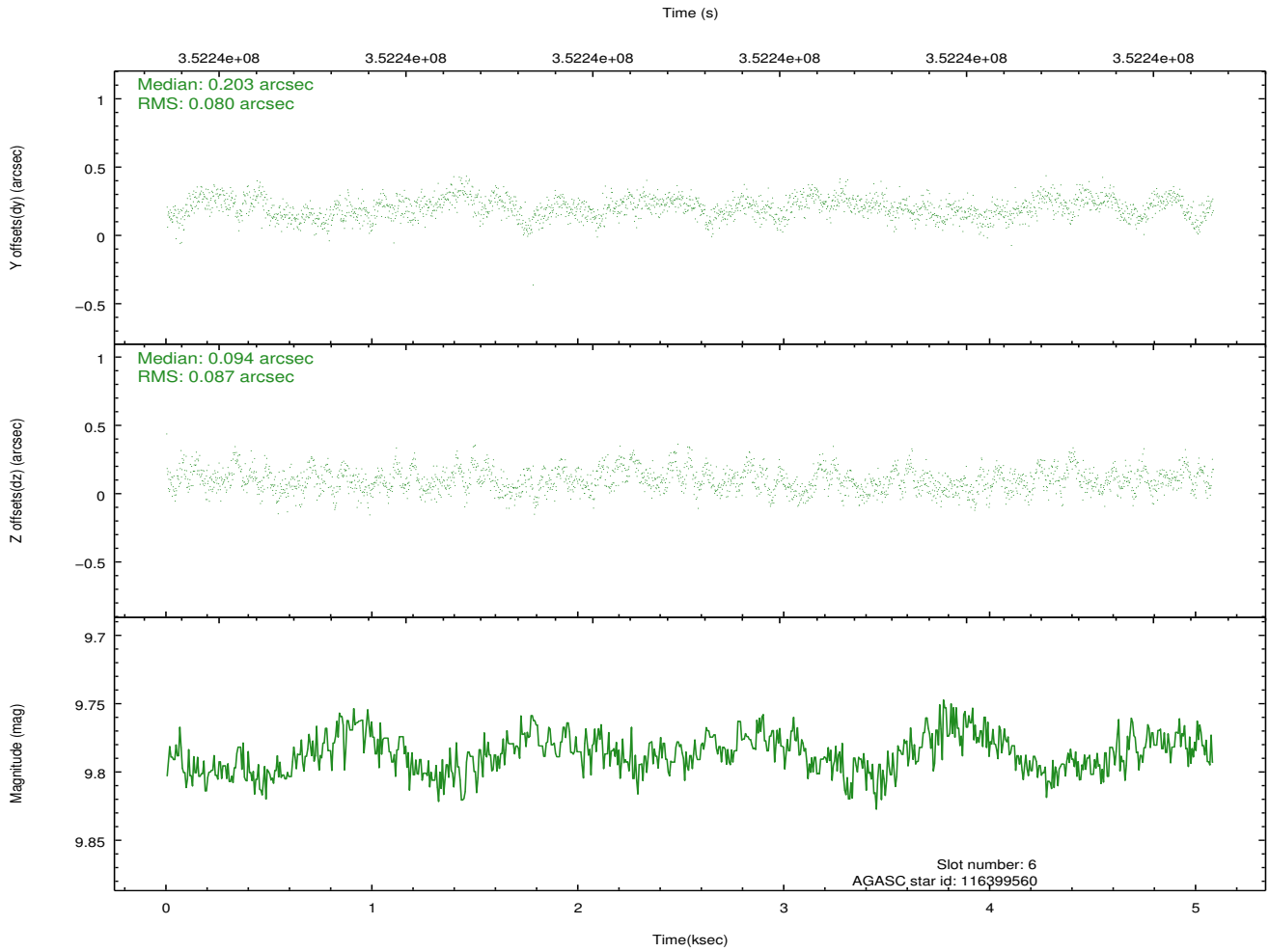
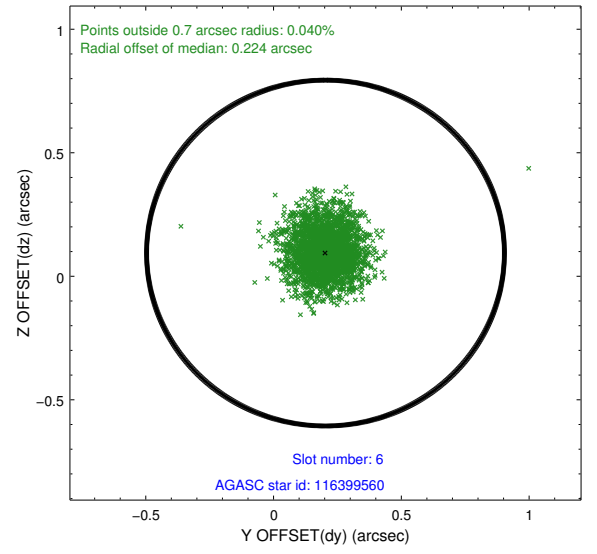
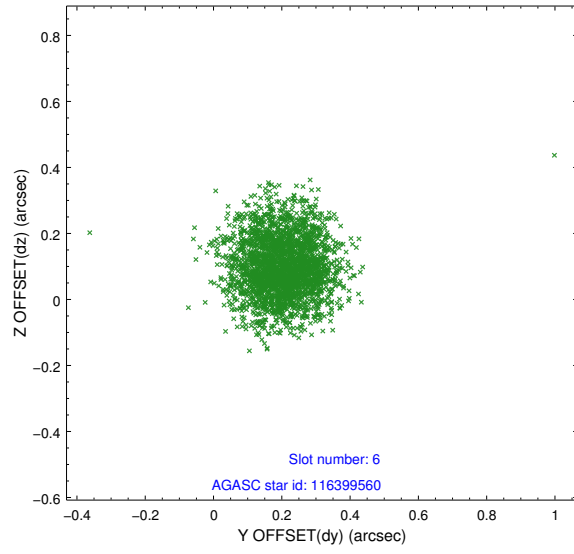
2.4.2 Slot 4



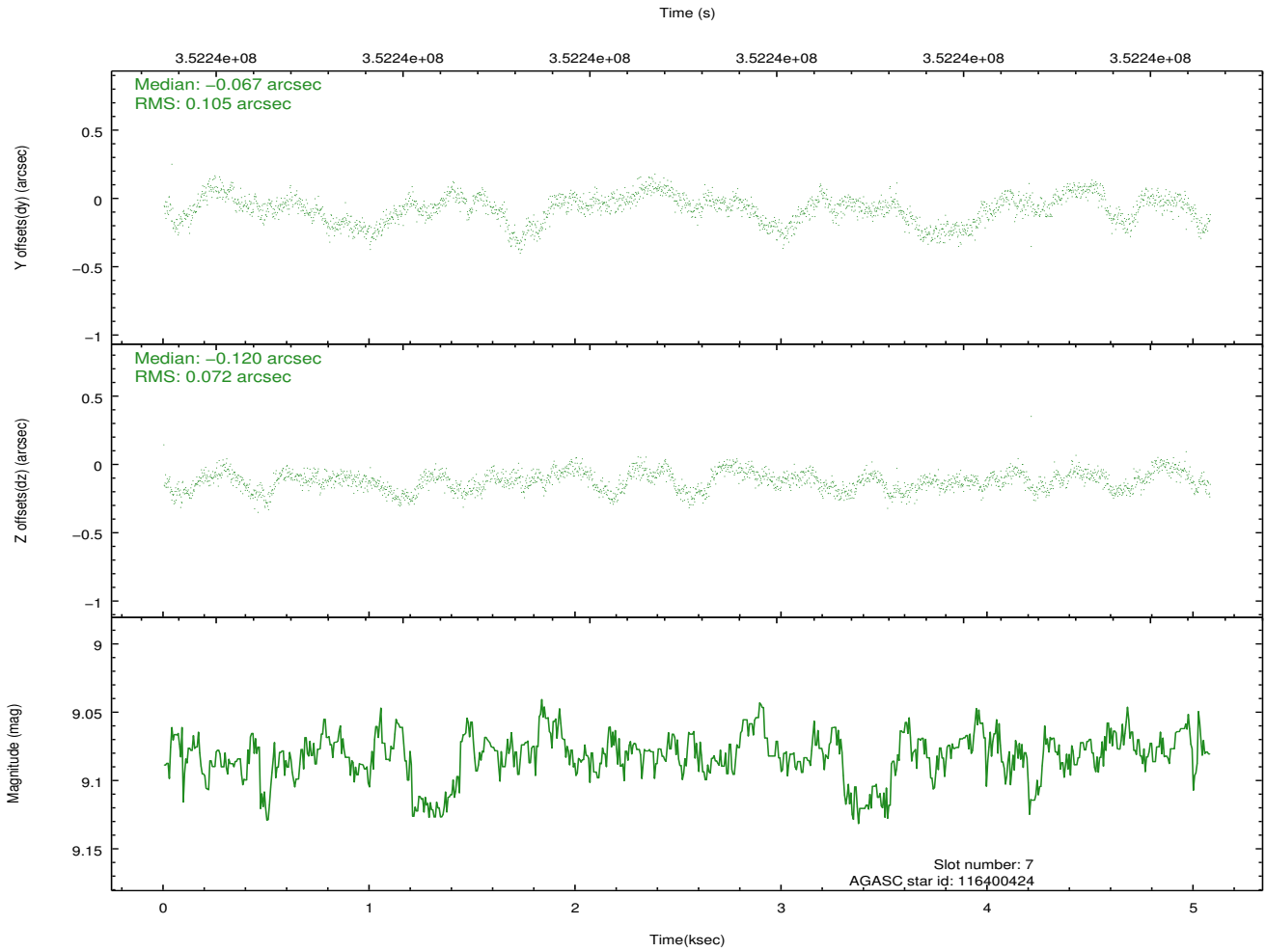
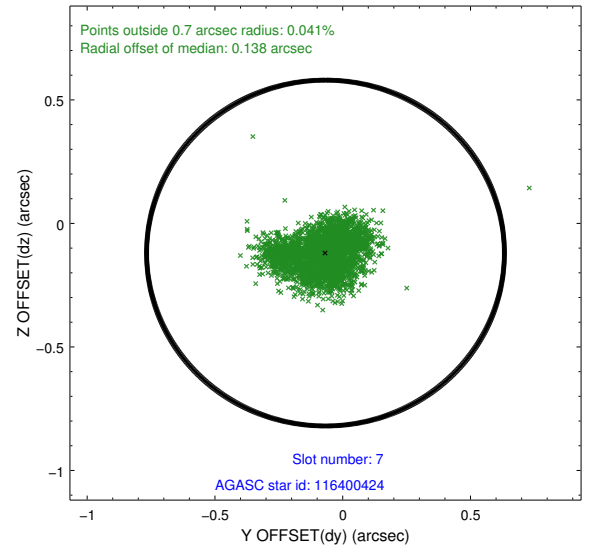
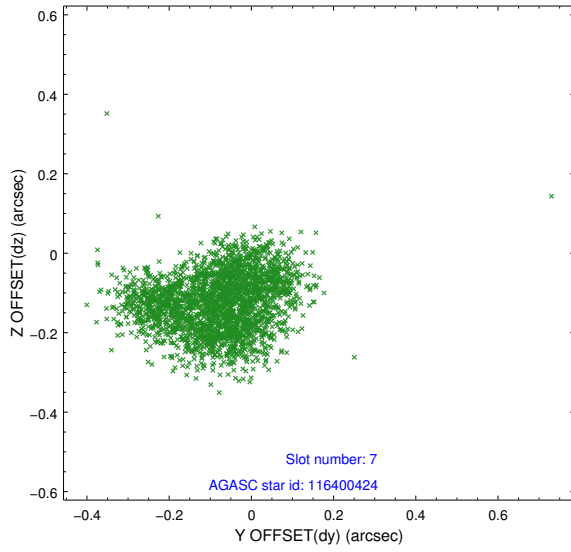
2.4.3 Slot 5



2.4.4 Slot 6

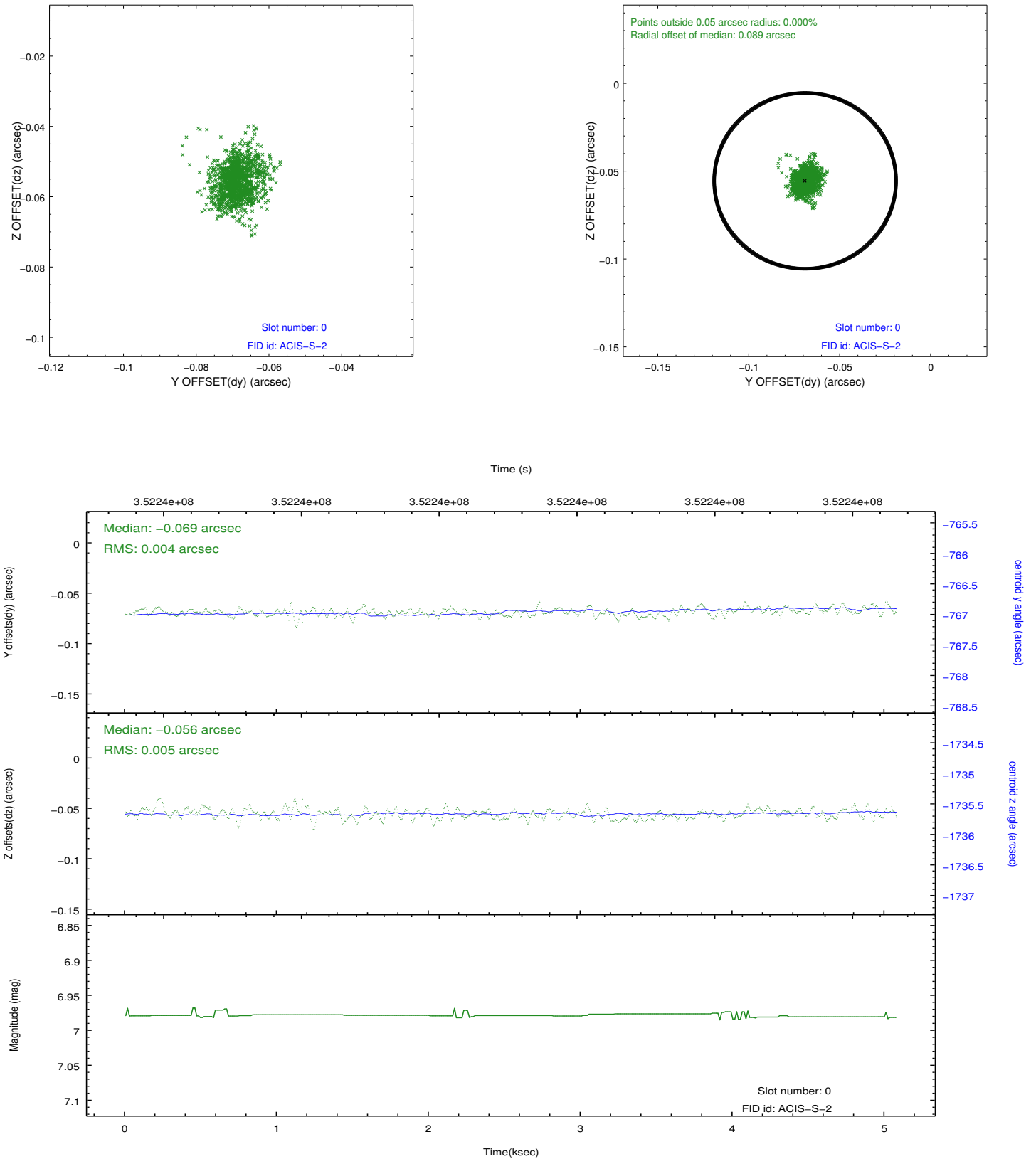


2.4.5 Slot 7

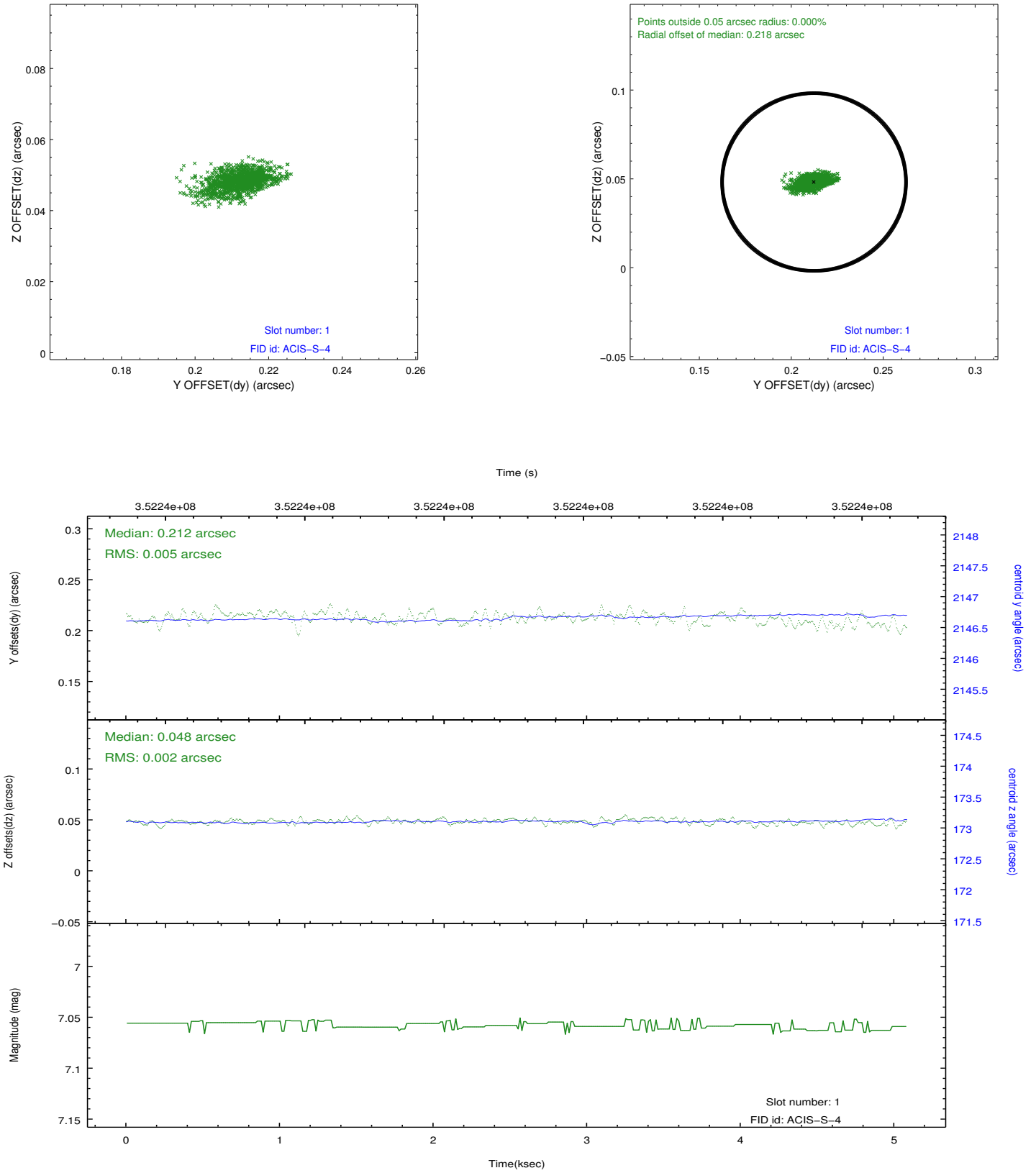


2.5 FID Slots

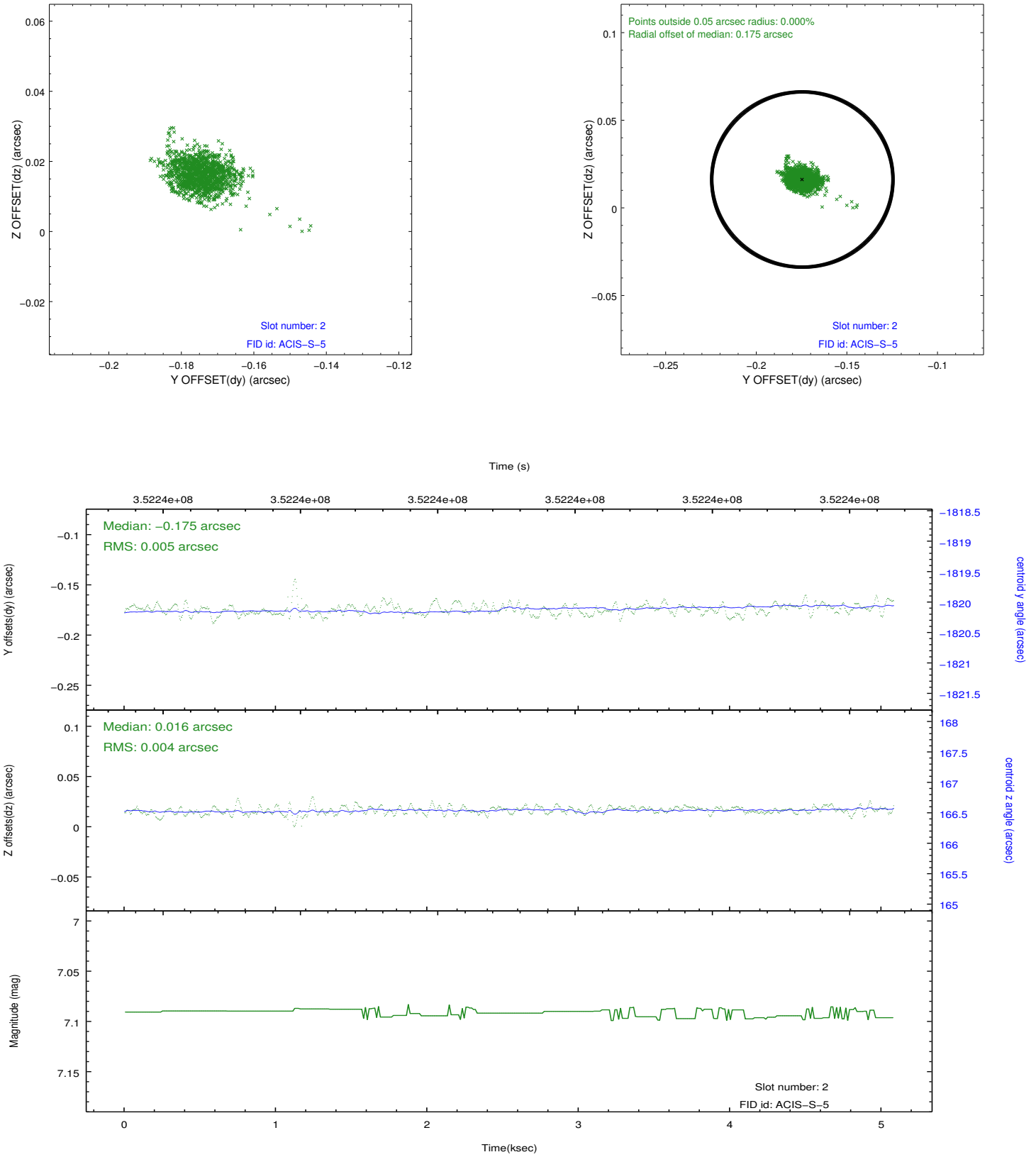
2.5.1 Slot 0



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)	2012.06.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.03000003

A.2 Comments