

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13355 - L2 Version 1
Chandra X-Ray Center

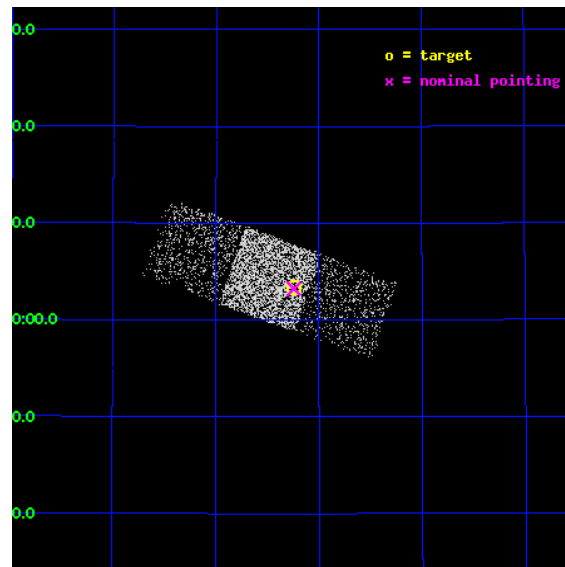
L2 Processing Date : Mar 18 2012

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

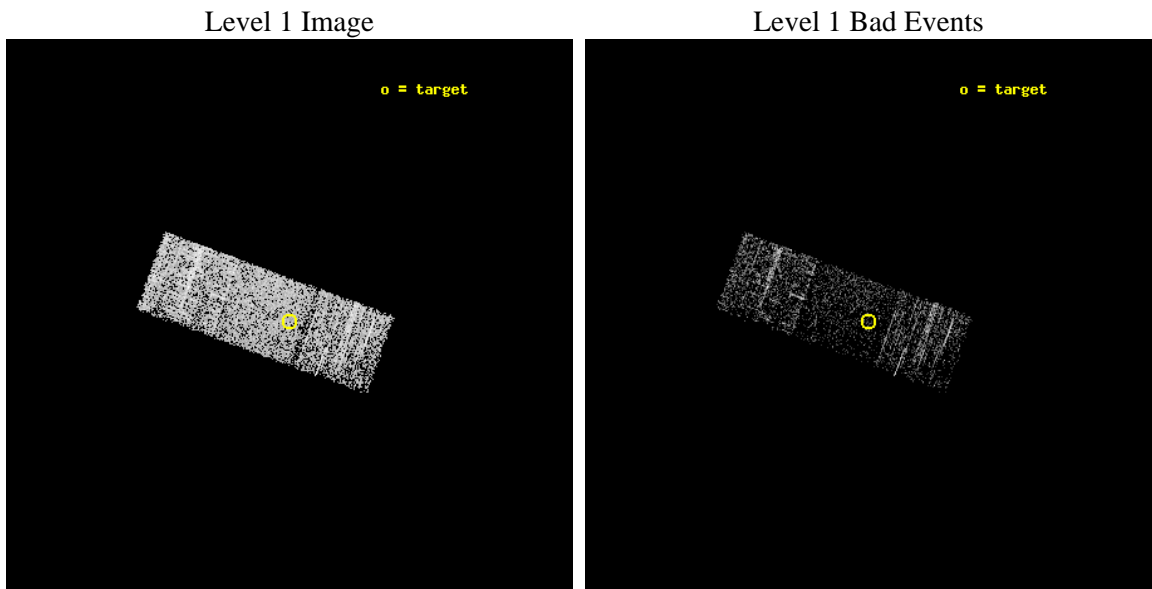
seq_num	702562	Sequence number
obs_id	13355	Observation id
title	A Large, Economical Snapshot Survey of the Most-Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Prof. Gordon Garmire	Principal investigator
object	SDSS J1057+4403	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	164.311667	Observer's specified target RA [deg]
dec_targ	44.056611	Observer's specified target Dec [deg]
ra_nom	164.31073114586	Nominal RA [deg]
dec_nom	44.053767512047	Nominal Dec [deg]
roll_nom	199.97361320334	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1488.0000114441	Sum of GTIs [s]
livetime	1468.5581958449	Livetime [s]
ontime6	1488.0000114441	Sum of GTIs [s]
ontime7	1488.0000114441	Sum of GTIs [s]
ontime8	1478.5769707561	Sum of GTIs [s]
l2events	5434	Number of level 2 events



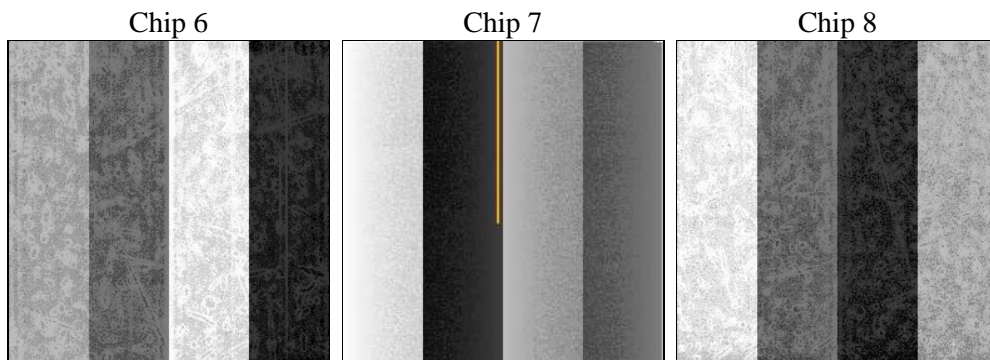
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	1680.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	1488.0000114441	Sum of GTIs [s]
caldbver	4.4.8	 	ontime6	1488.0000114441	Sum of GTIs [s]
date	2012-03-19T01:47:30	Date and time of file creation	ontime7	1488.0000114441	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	1478.5769707561	Sum of GTIs [s]
			l1events	26891	Number of level 1 events

2.1.4 Events

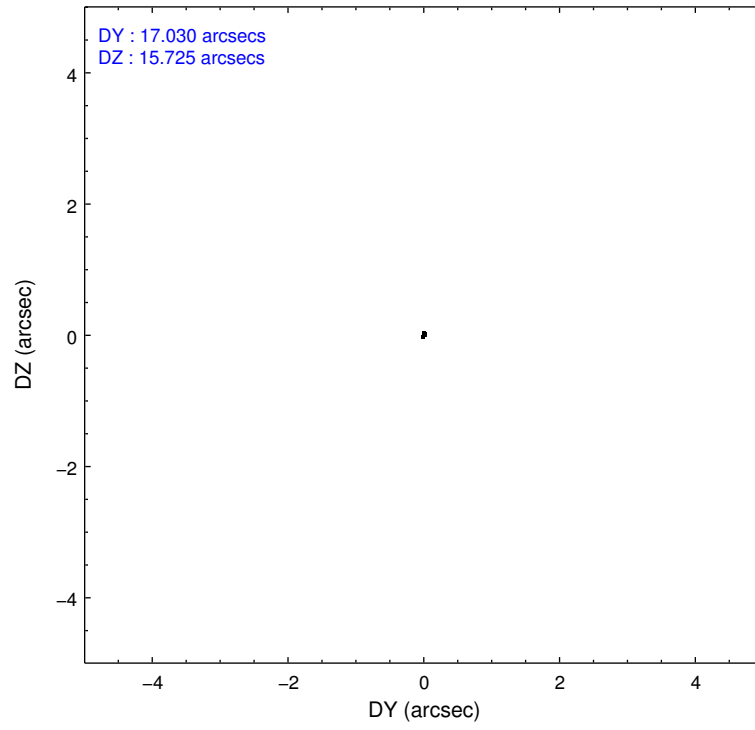
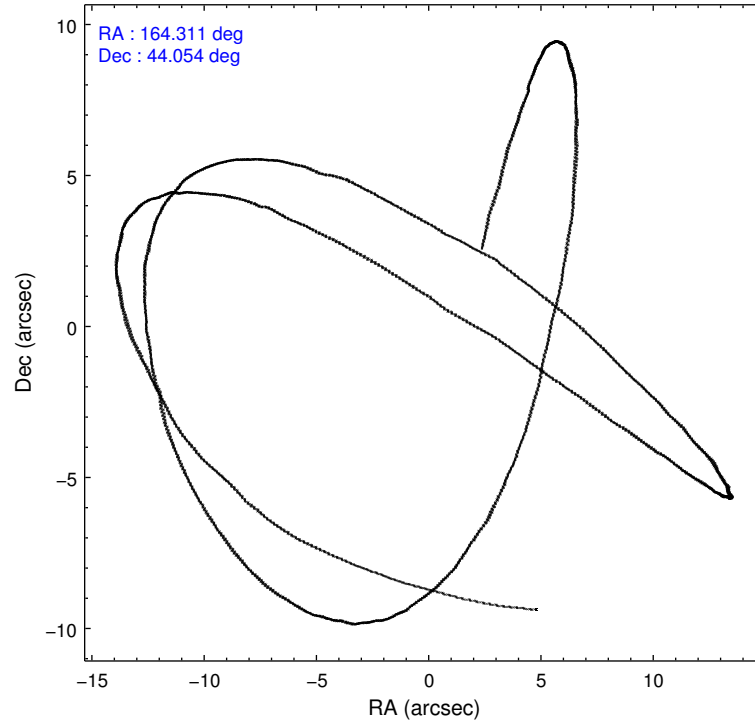
	ccd 6	ccd 7	ccd 8
level 1 events	7796	8219	10876
rejected events	6931	4250	8247
rejected %	88%	51%	75%

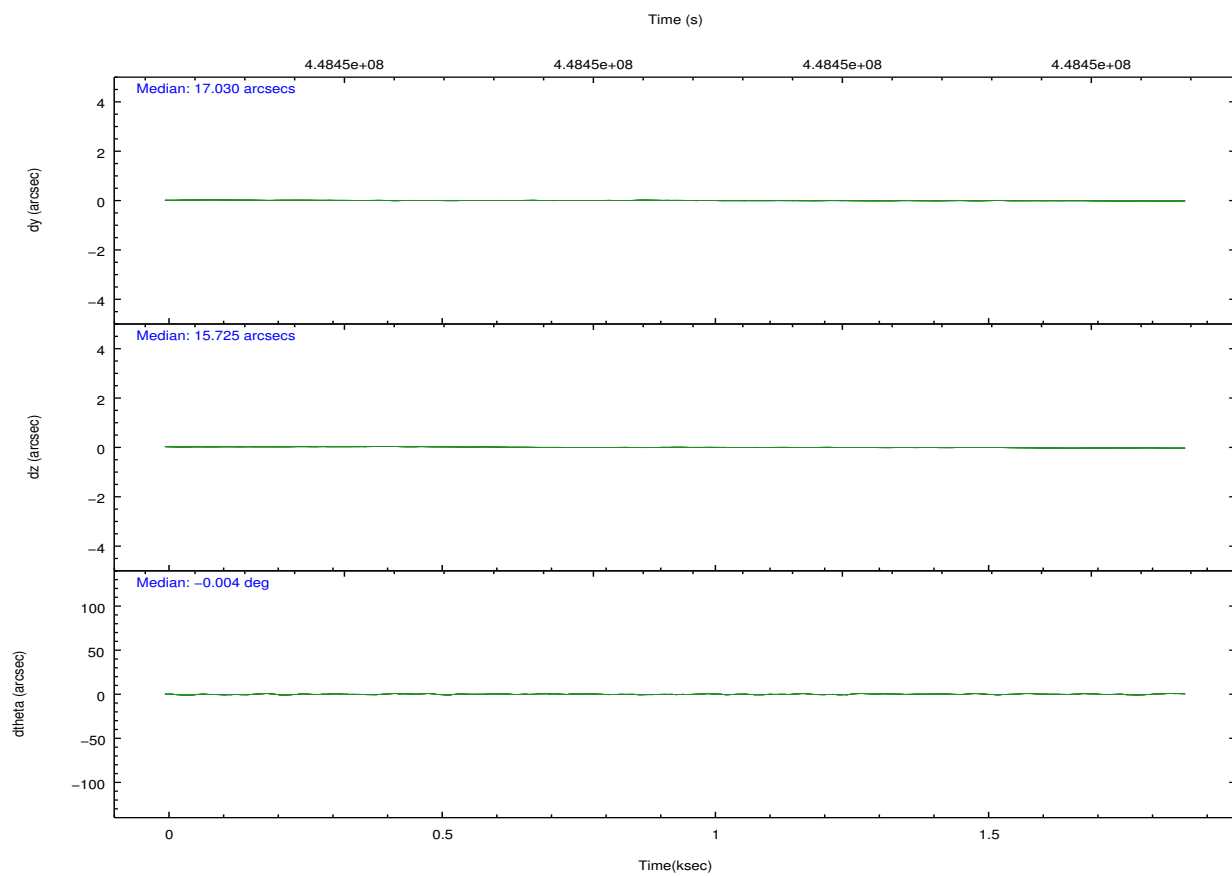
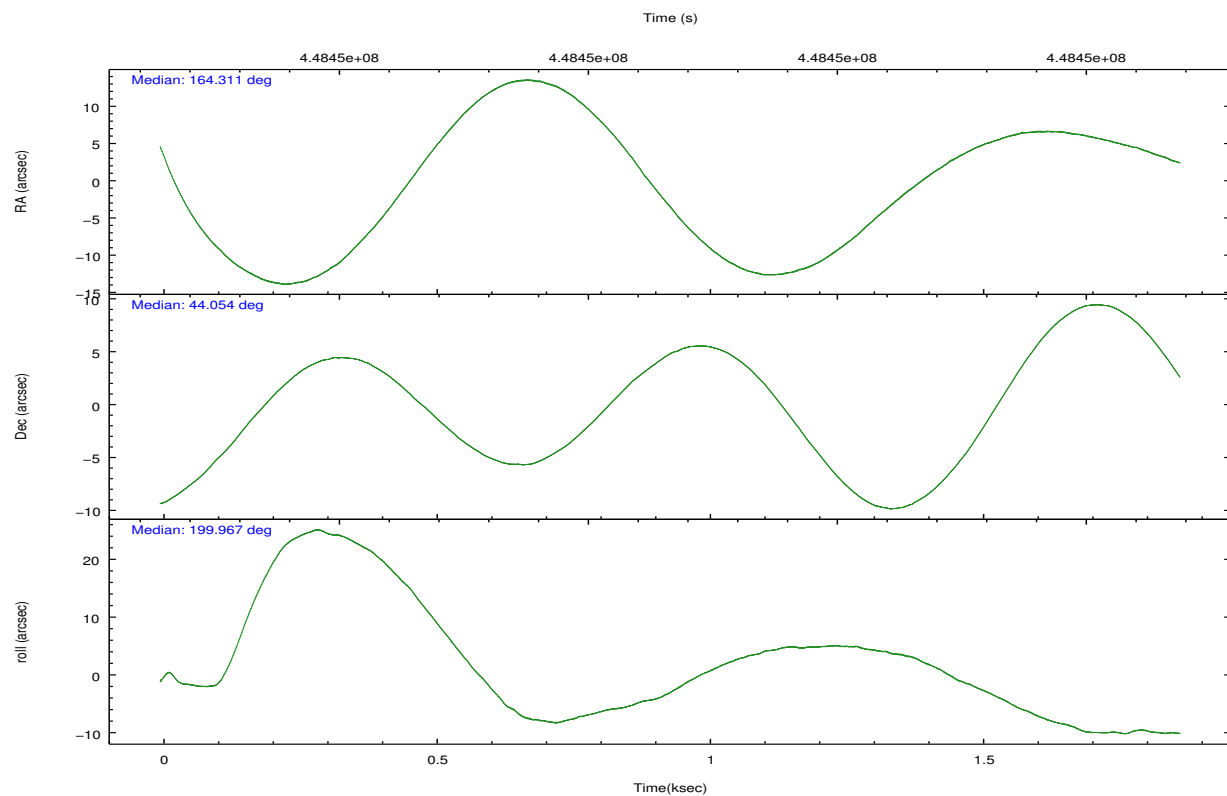
	ccd 6	ccd 7	ccd 8
grade 0 events	291	384	721
	3%	4%	6%
grade 1 events	6	10	8
	0%	0%	0%
grade 2 events	232	856	681
	2%	10%	6%
grade 3 events	101	357	284
	1%	4%	2%
grade 4 events	86	334	264
	1%	4%	2%
grade 5 events	341	839	437
	4%	10%	4%
grade 6 events	158	2073	681
	2%	25%	6%
grade 7 events	6581	3366	7800
	84%	40%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	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	164.334831	164.3107311458615	Subarray requested	NONE	NONE
[deg] Pointing Dec	44.074837	44.05376751204673	Alternating exposures requested	N	N
[deg] Pointing Roll	199.800142	199.9736132033369	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	448452915.184000	448452205.61235			
Observation start date	2012-03-18T10:14:09	2012-03-18T10:03:25			
[s] Observation end time (MET)	448454595.184000	448455449.73753			
Observation end date	2012-03-18T10:42:09	2012-03-18T10:57:29			
Read mode	TIMED	TIMED			

2.3 Aspect



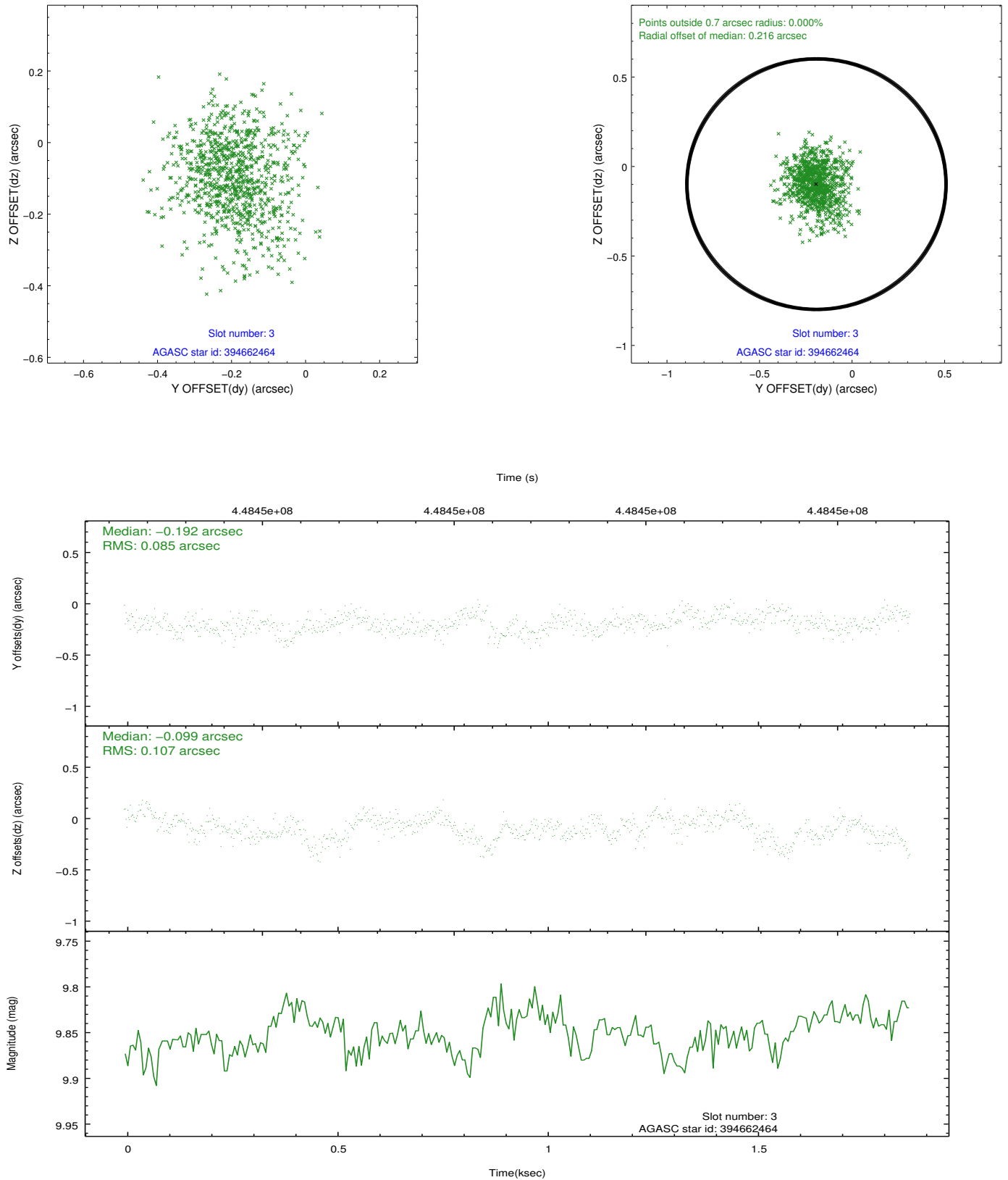


Slot Statistics

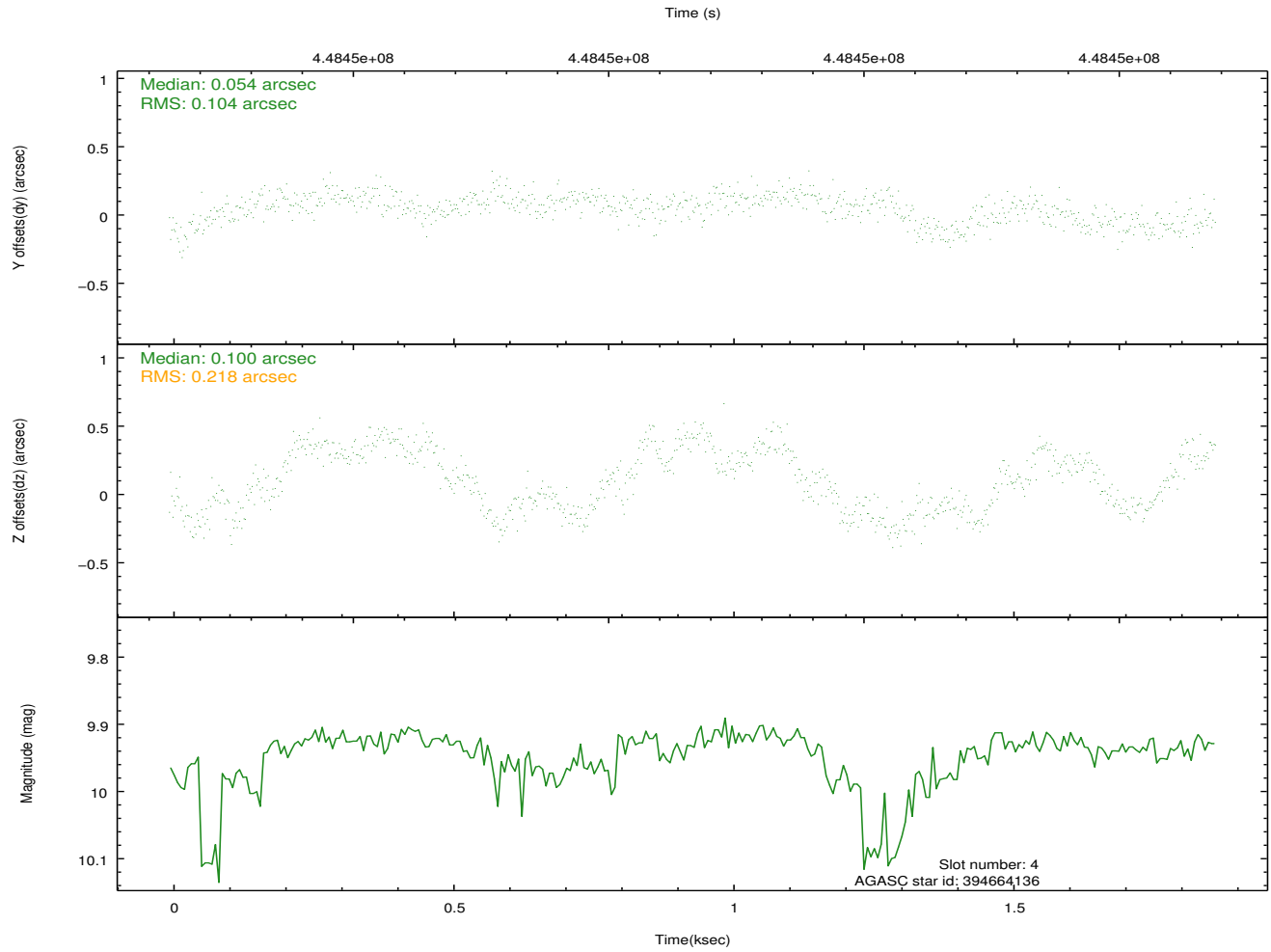
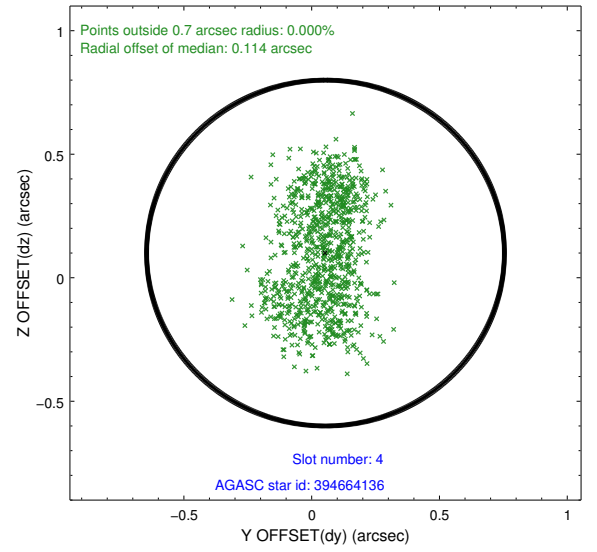
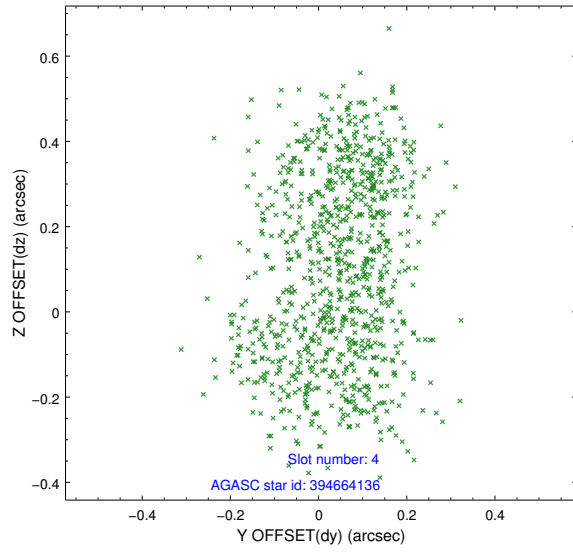
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.90	456	-0.119	-0.003	0.005	0.009	0.000000	0.000000	-770.16	-1737.13
1	FID	ACIS-S-4	6.99	456	0.246	0.058	0.005	0.010	0.000000	0.000000	2141.85	167.78
2	FID	ACIS-S-5	7.02	456	-0.158	-0.046	0.005	0.010	0.000000	0.000000	-1818.56	165.32
3	GUIDE	394662464	9.85	905	-0.192	-0.099	0.144	0.245	164.039314	43.408568	1539.52	1994.52
4	GUIDE	394664136	9.94	911	0.054	0.100	0.274	0.392	164.817827	43.817724	-865.43	1295.37
5	GUIDE	394675712	9.34	912	0.056	-0.045	0.144	0.226	164.034941	44.515084	186.70	-1751.14
6	GUIDE	394675960	9.50	910	-0.139	0.136	0.180	0.327	164.481210	44.744705	-1168.48	-2143.65
7	GUIDE	394677568	9.73	911	0.211	-0.077	0.194	0.291	164.408966	44.363582	-531.95	-915.19

2.4 Star Slots

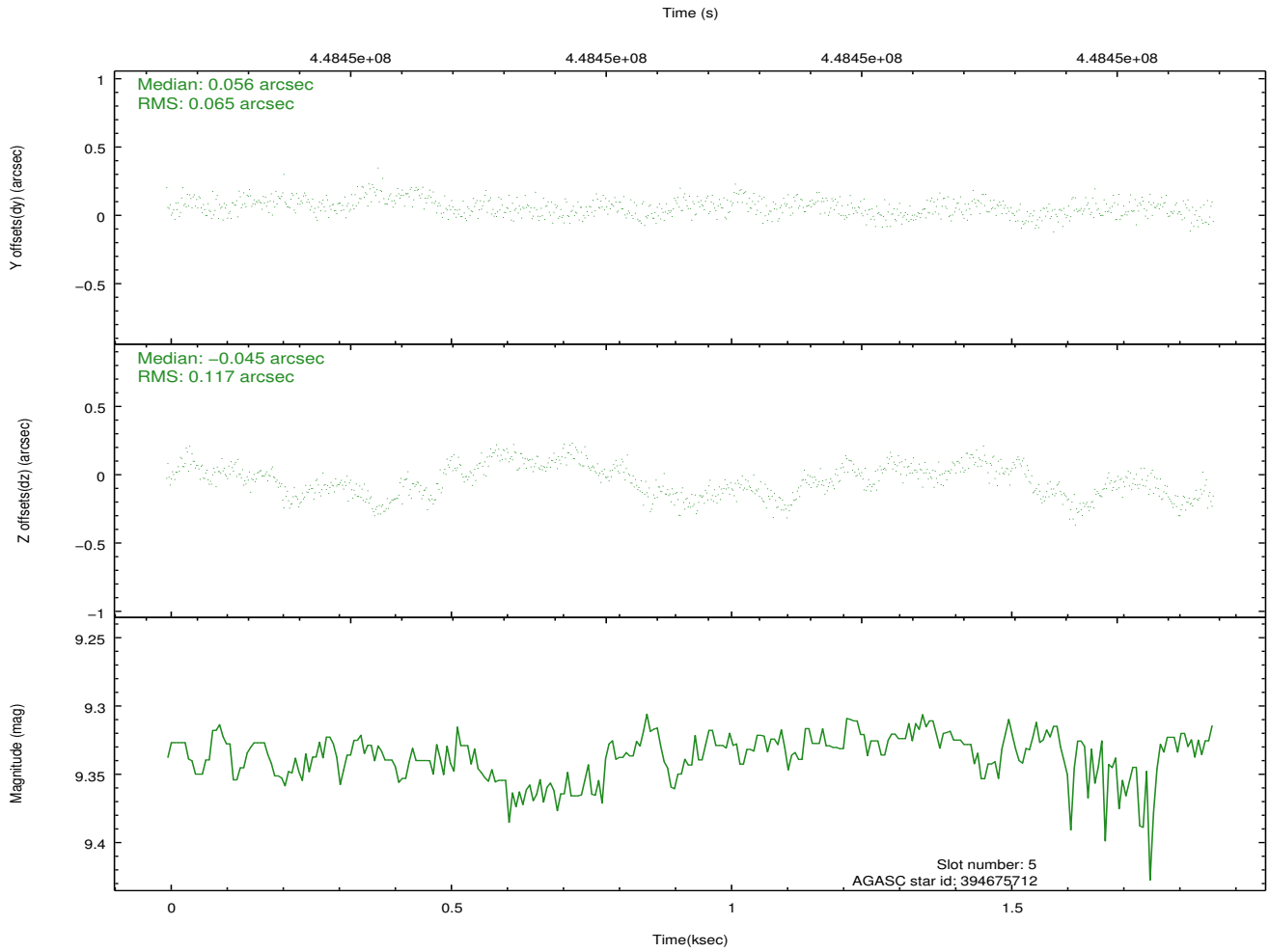
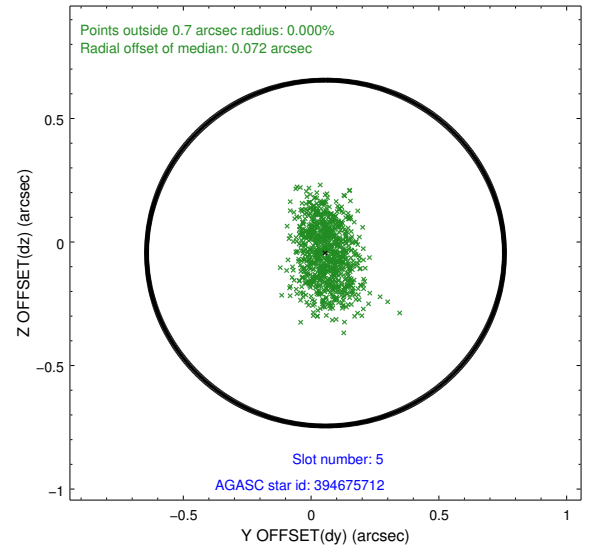
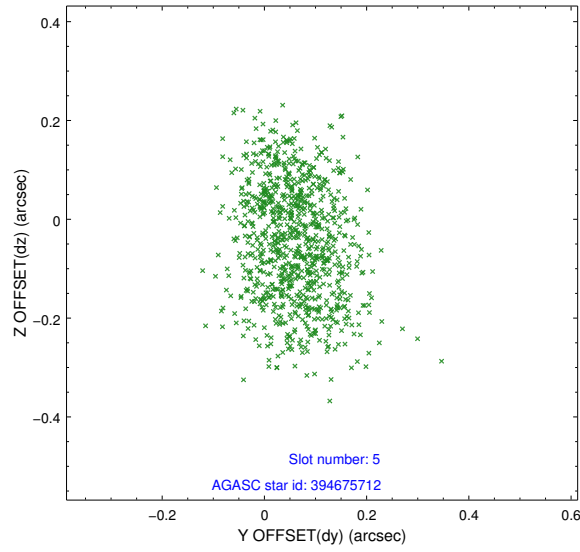
2.4.1 Slot 3



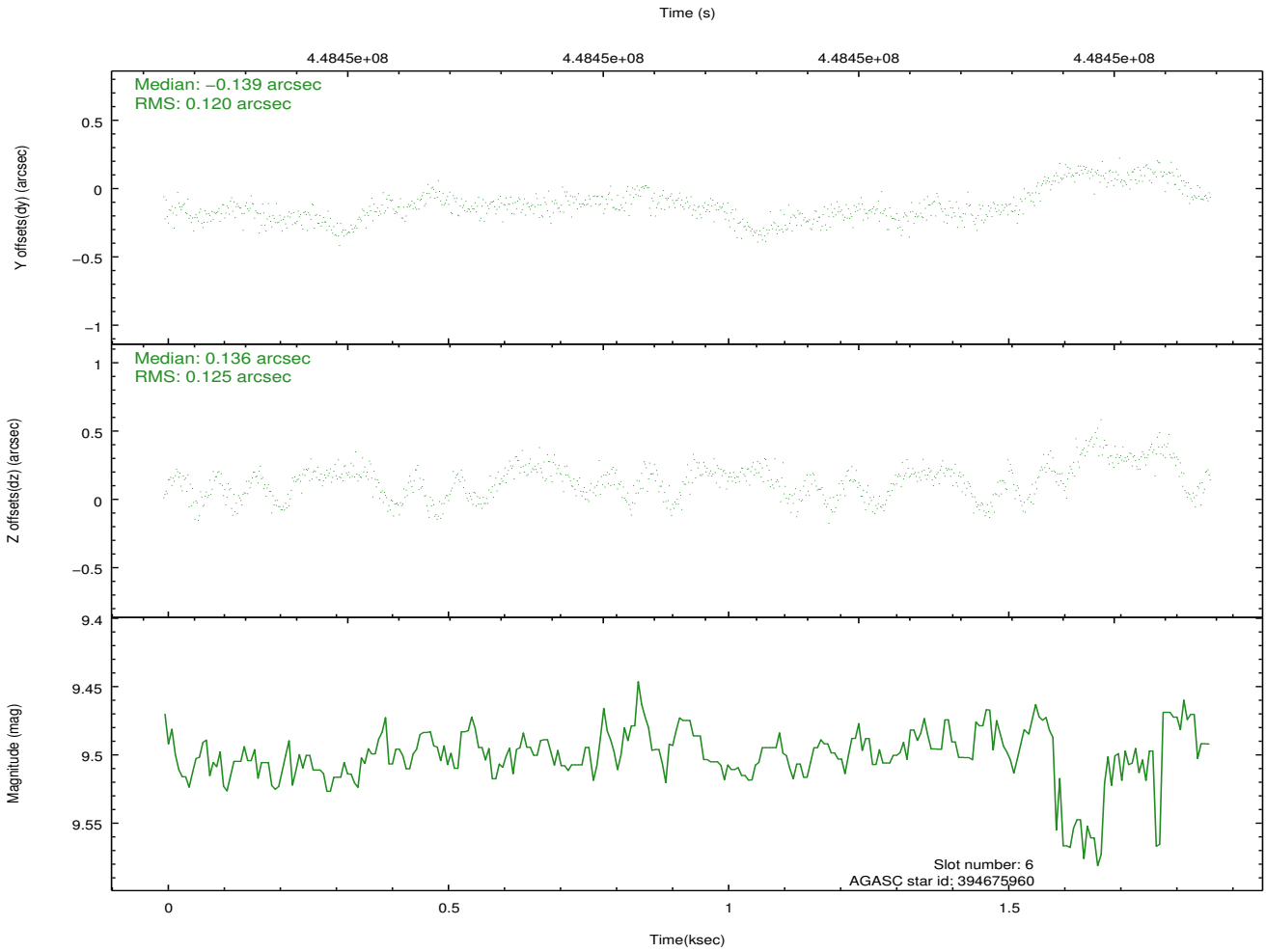
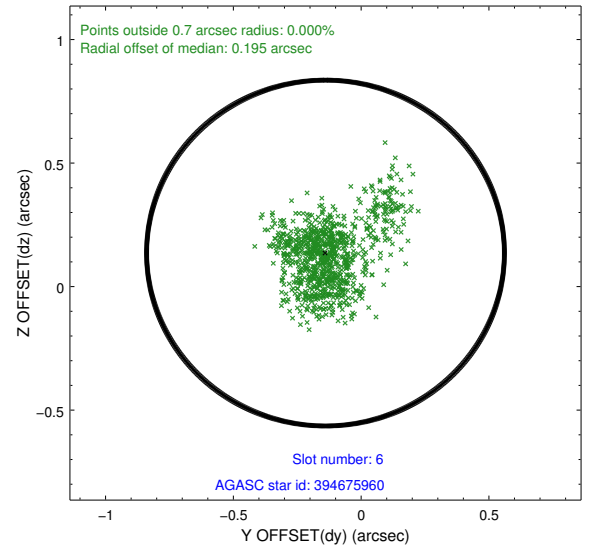
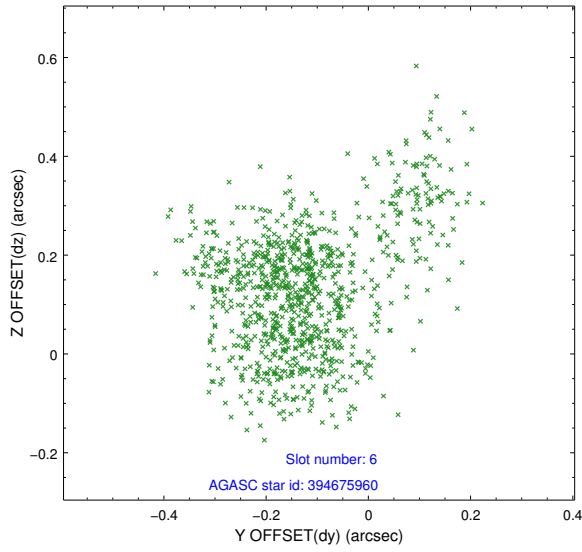
2.4.2 Slot 4



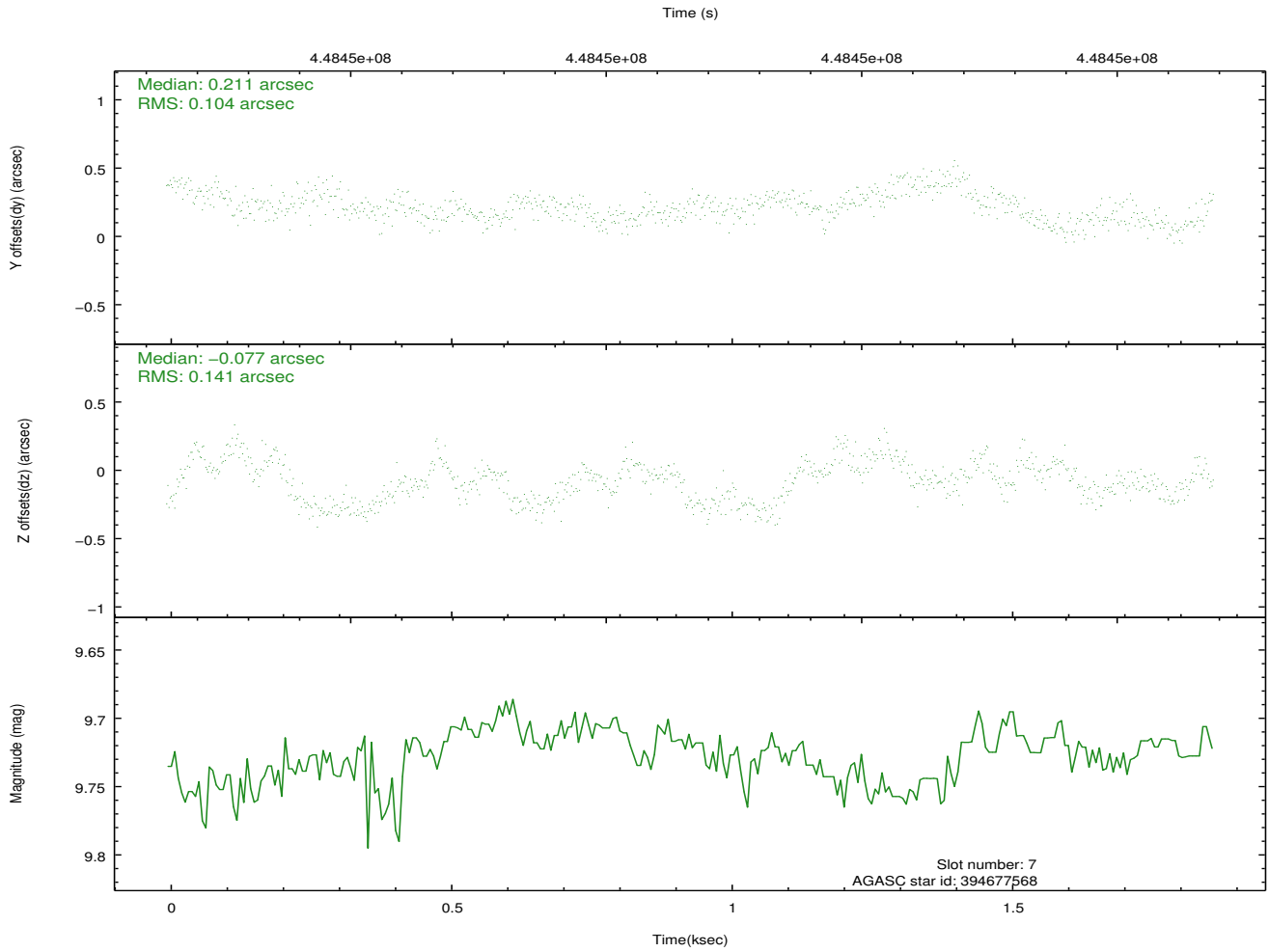
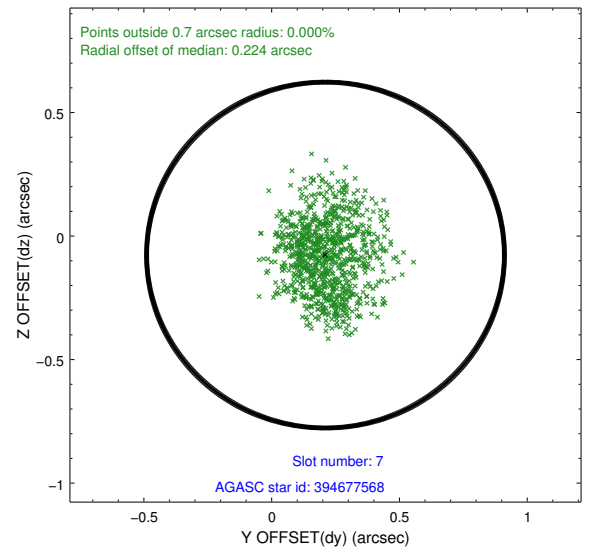
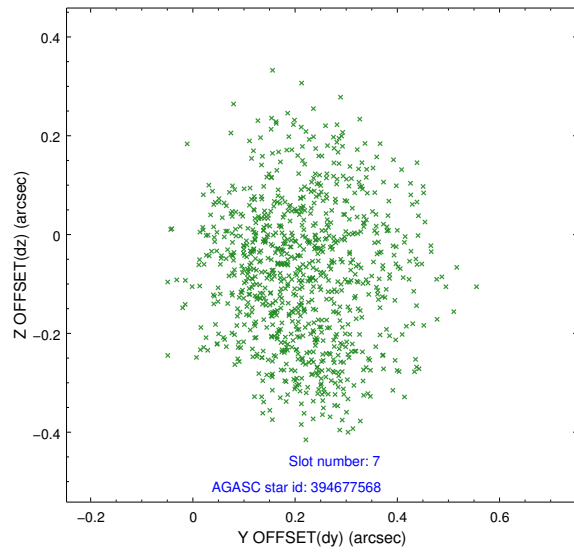
2.4.3 Slot 5



2.4.4 Slot 6

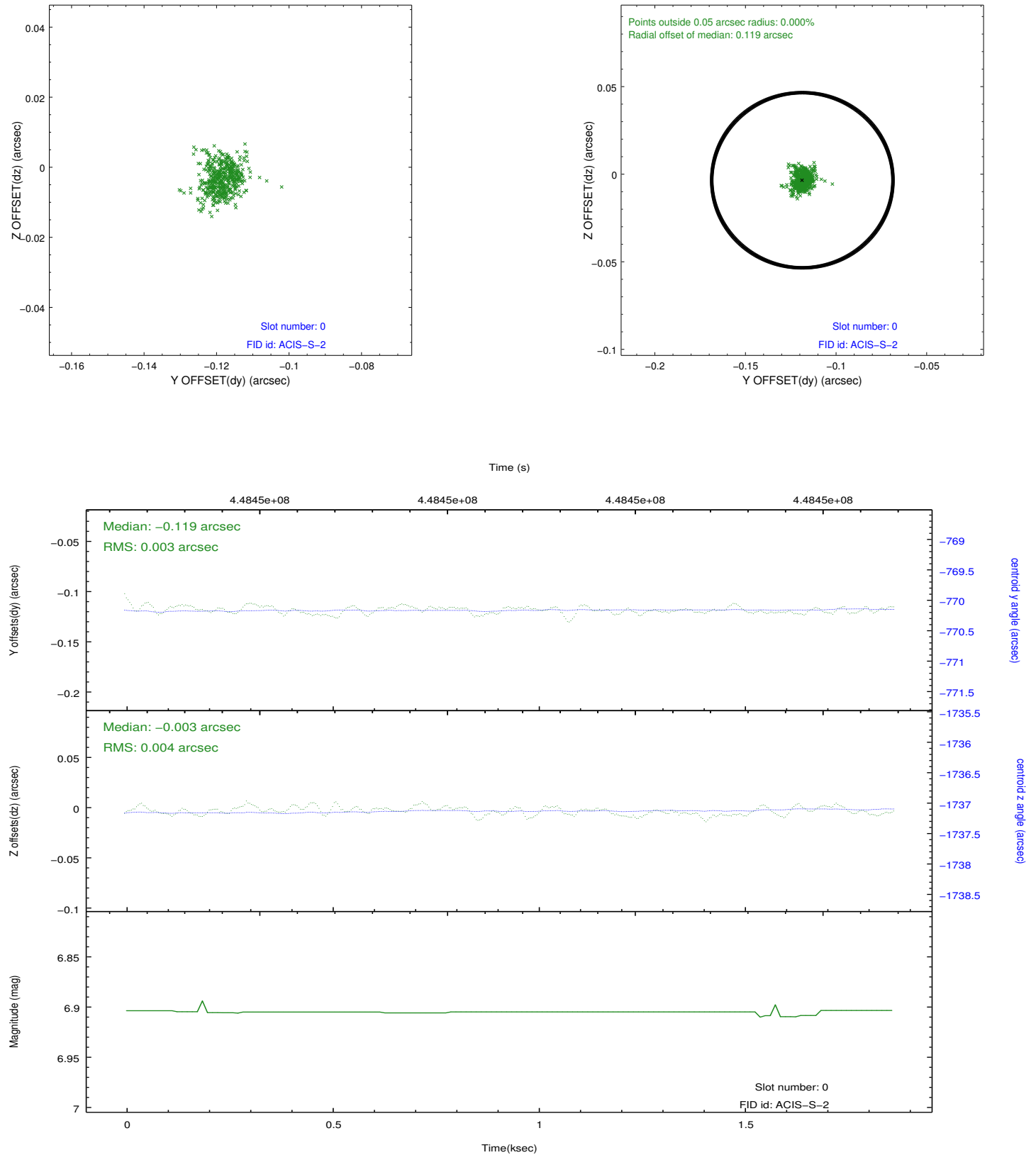


2.4.5 Slot 7

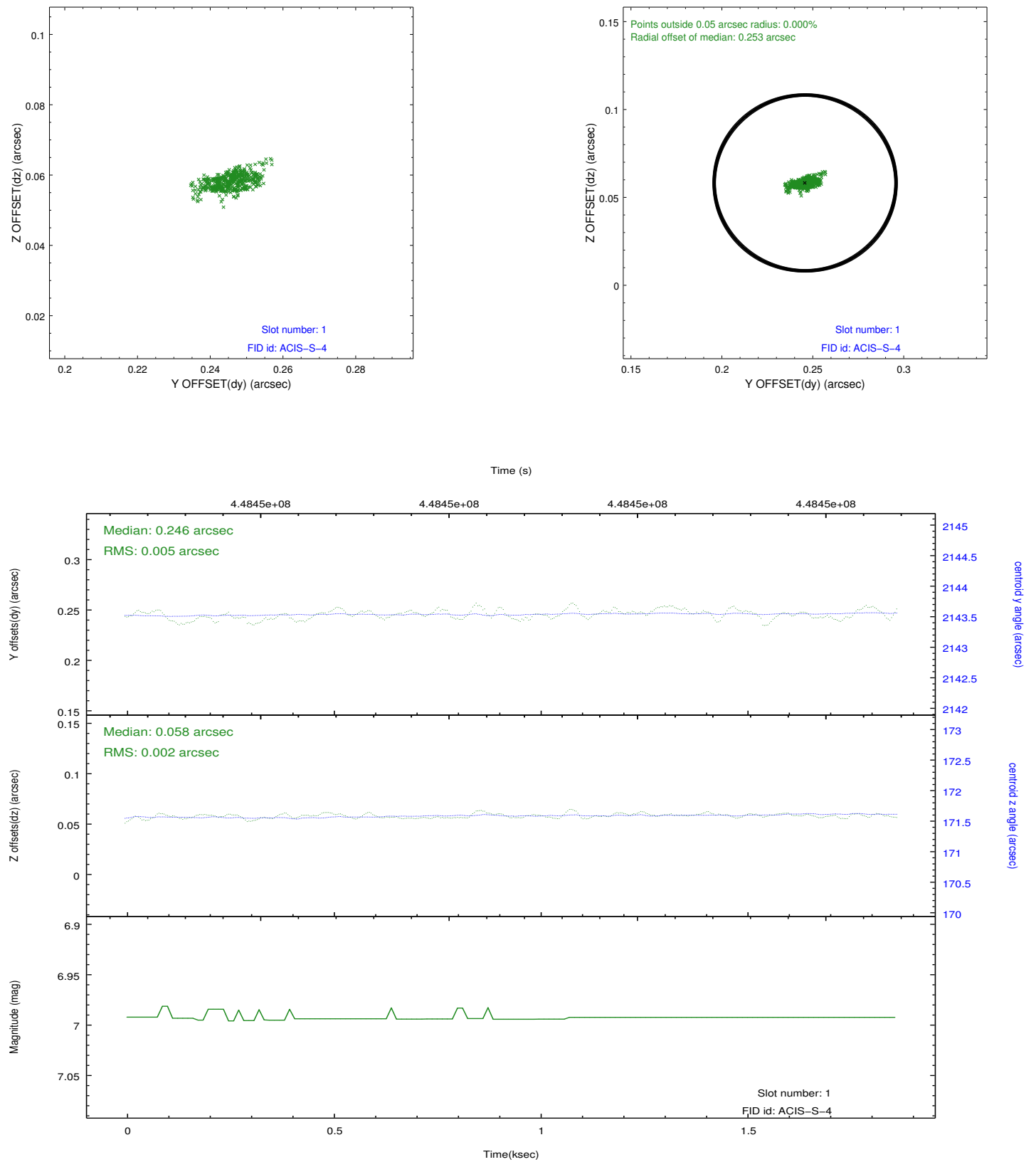


2.5 FID Slots

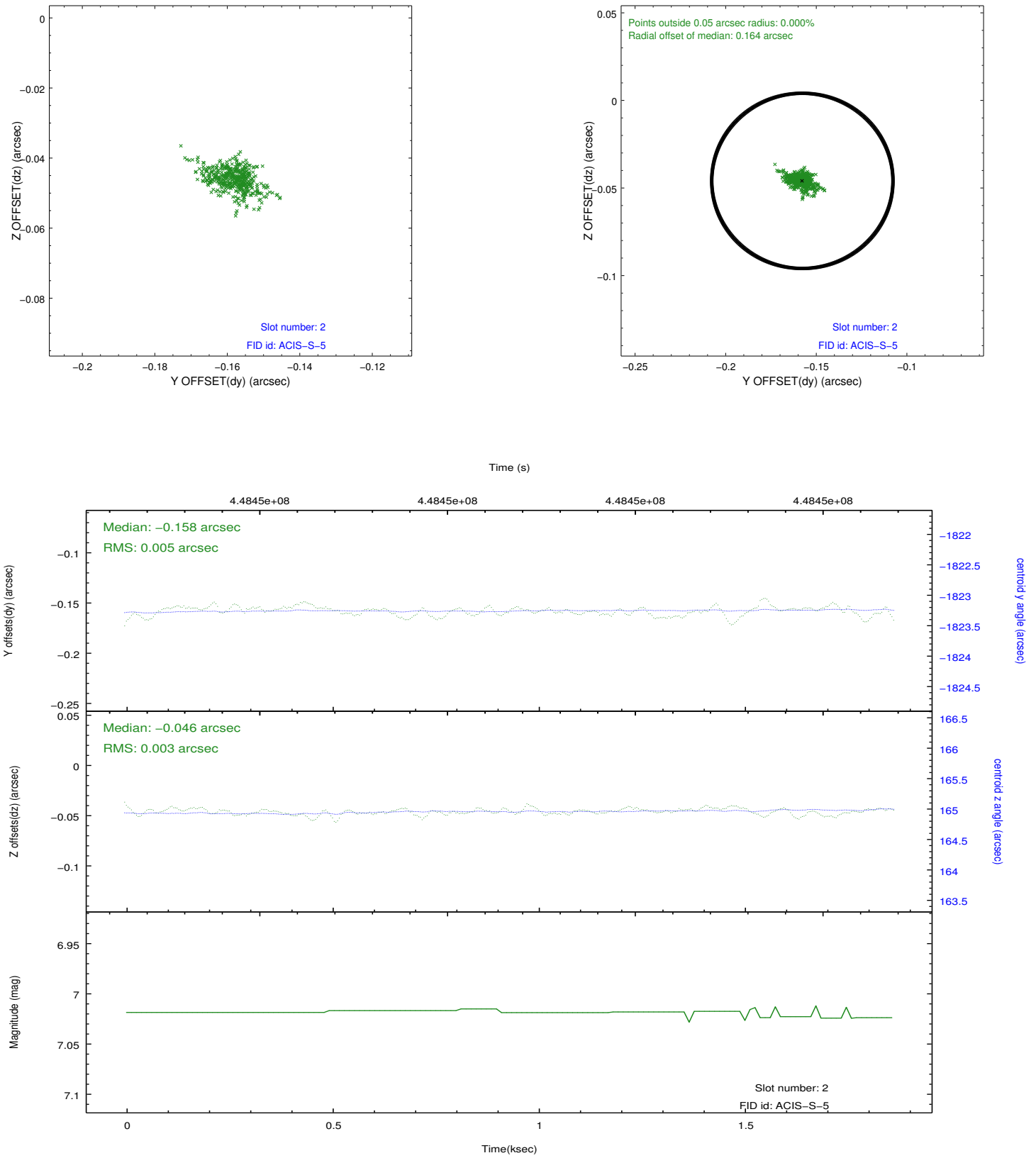
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.03.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.4880000114441

A.2 Comments