

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 13328 - L2 Version 1
Chandra X-Ray Center

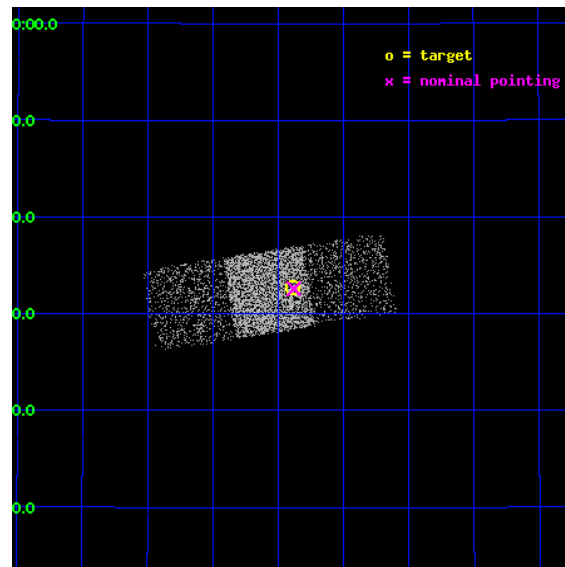
L2 Processing Date : May 4 2012

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

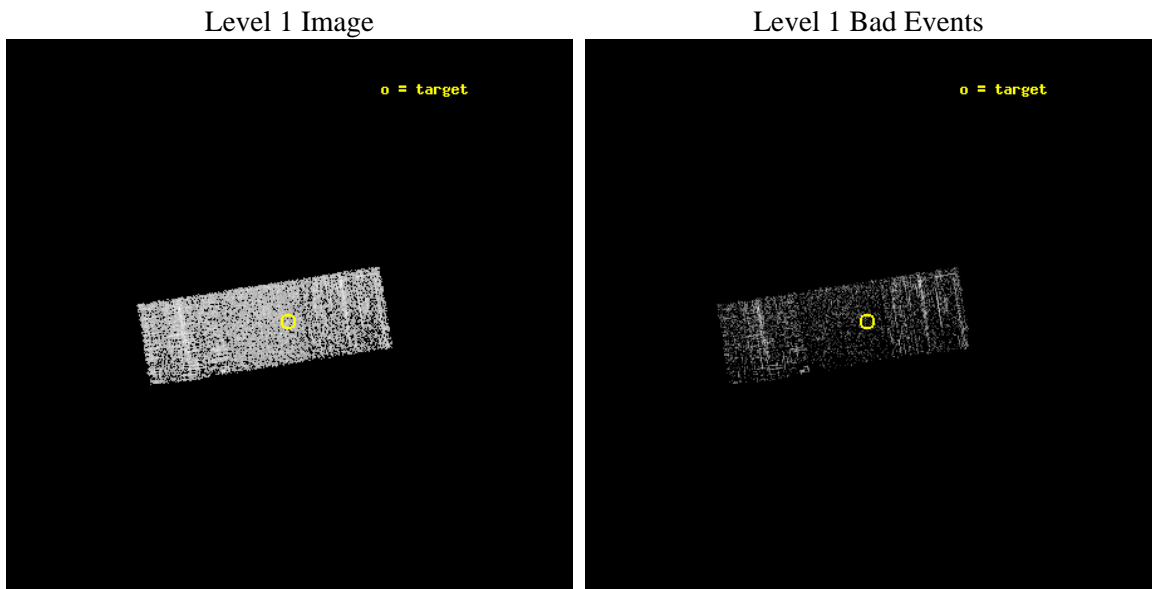
seq_num	702535	Sequence number
obs_id	13328	Observation id
title	A Large, Economical Snapshot Survey of the Most-Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	SDSS J1509+2432	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	227.3475	Observer's specified target RA [deg]
dec_targ	24.545361	Observer's specified target Dec [deg]
ra_nom	227.34493931666	Nominal RA [deg]
dec_nom	24.543175244917	Nominal Dec [deg]
roll_nom	171.04007842062	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1577.9000121355	Sum of GTIs [s]
livetime	1557.2835868439	Livetime [s]
ontime6	1577.9000121355	Sum of GTIs [s]
ontime7	1577.9000121355	Sum of GTIs [s]
ontime8	1577.9000121355	Sum of GTIs [s]
l2events	6590	Number of level 2 events



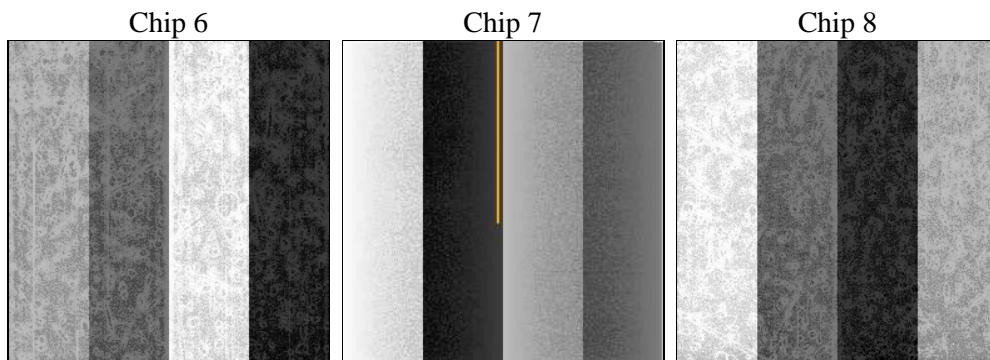
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	1577.9000121355	Sum of GTIs [s]
caldbver	4.4.9	 	ontime6	1577.9000121355	Sum of GTIs [s]
date	2012-05-04T16:42:33	Date and time of file creation	ontime7	1577.9000121355	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	1577.9000121355	Sum of GTIs [s]
			l1events	31224	Number of level 1 events

2.1.4 Events

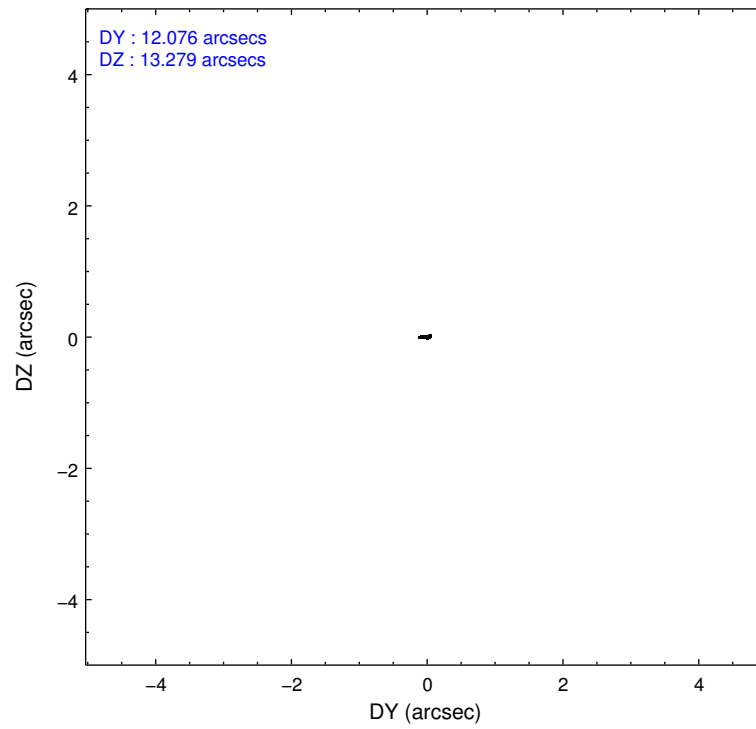
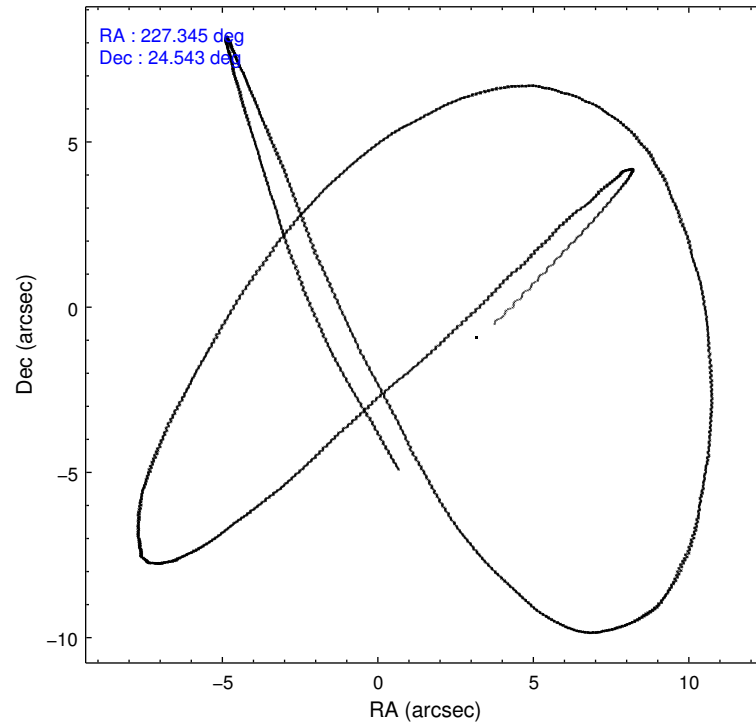
	ccd 6	ccd 7	ccd 8
level 1 events	9423	10016	11785
rejected events	8376	5200	8526
rejected %	88%	51%	72%

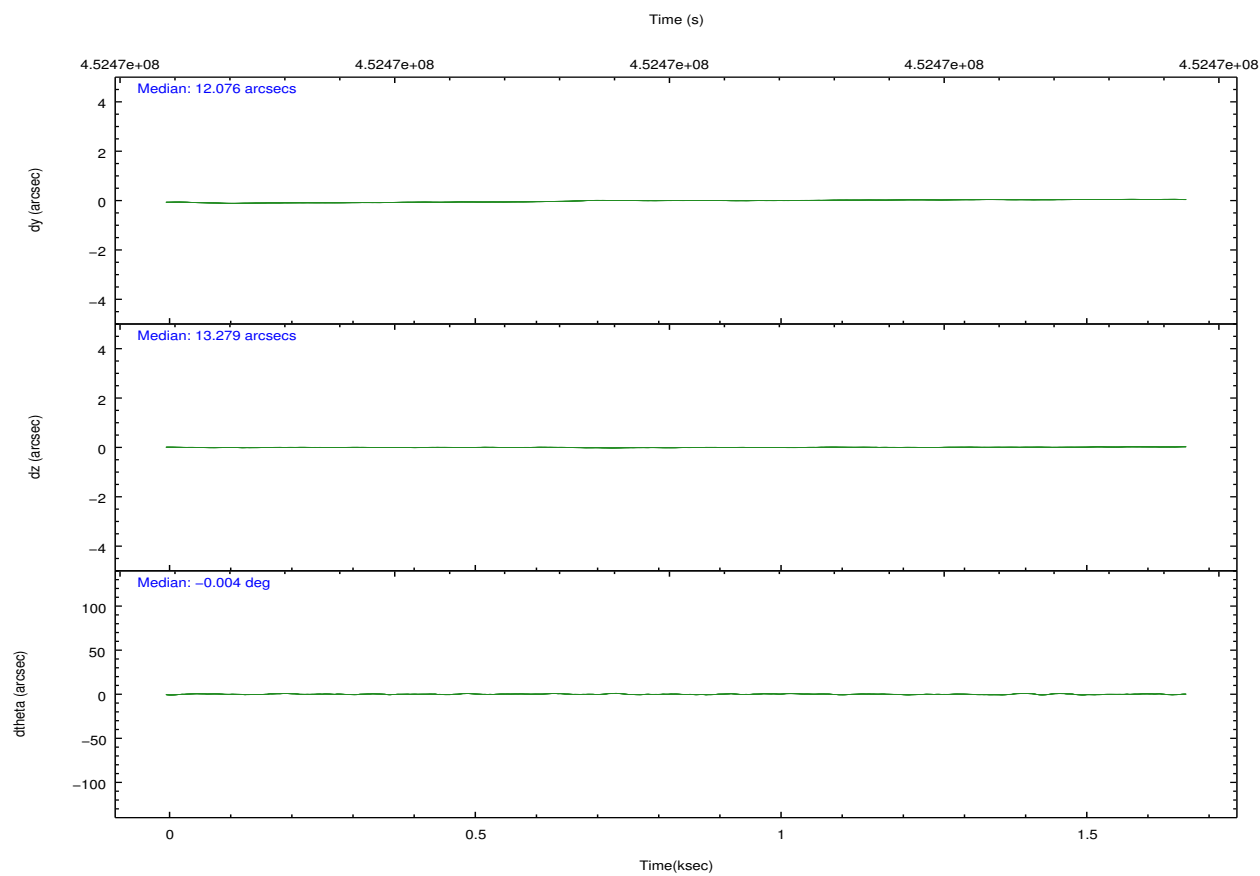
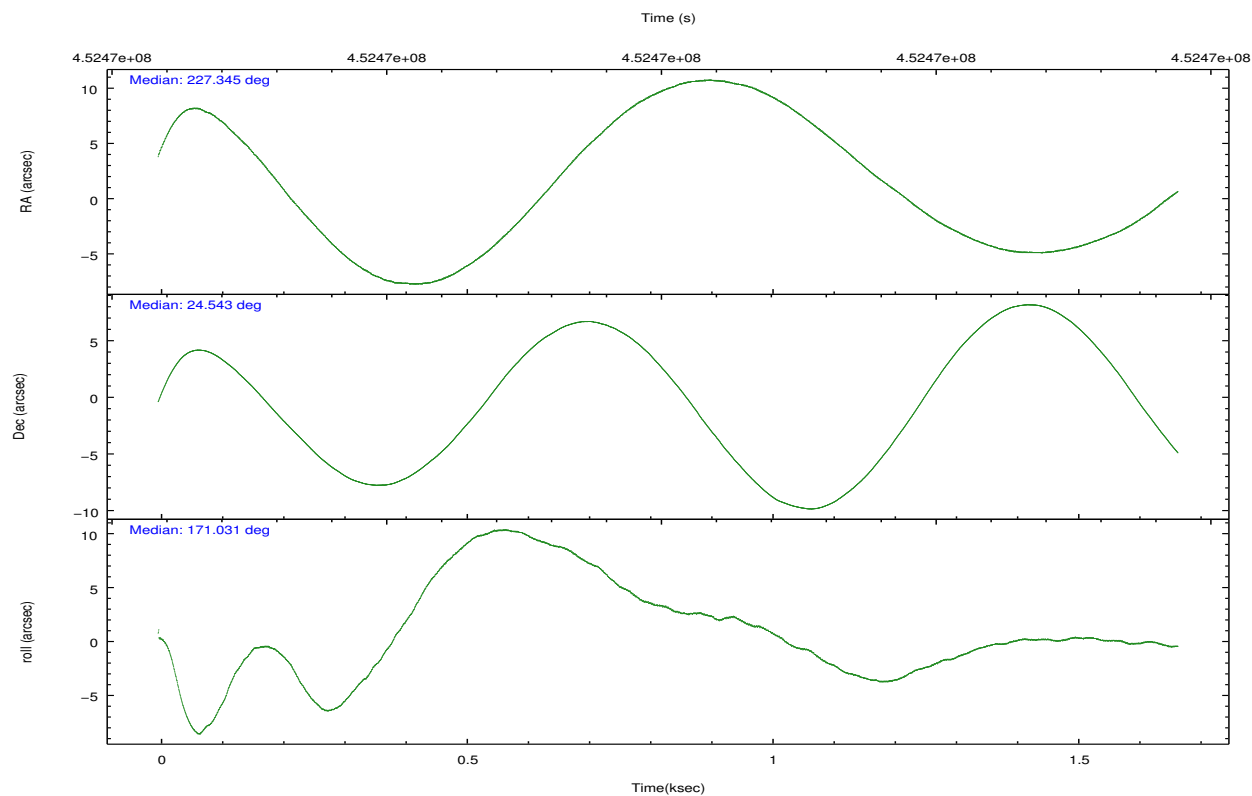
	ccd 6	ccd 7	ccd 8
grade 0 events	410	514	894
	4%	5%	7%
grade 1 events	2	18	5
	0%	0%	0%
grade 2 events	222	1081	786
	2%	10%	6%
grade 3 events	108	393	369
	1%	3%	3%
grade 4 events	106	430	340
	1%	4%	2%
grade 5 events	384	1007	601
	4%	10%	5%
grade 6 events	202	2412	870
	2%	24%	7%
grade 7 events	7989	4161	7920
	84%	41%	67%

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	227.373201	227.3449393166556	Subarray requested	NONE	NONE
[deg] Pointing Dec	24.553254	24.54317524491749	Alternating exposures requested	N	N
[deg] Pointing Roll	170.871634	171.0400784206173	[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)	452467843.184000	452466794.62527			
Observation start date	2012-05-03T21:29:37	2012-05-03T21:13:14			
[s] Observation end time (MET)	452469343.184000	452470056.17544			
Observation end date	2012-05-03T21:54:37	2012-05-03T22:07:36			
Read mode	TIMED	TIMED			

2.3 Aspect



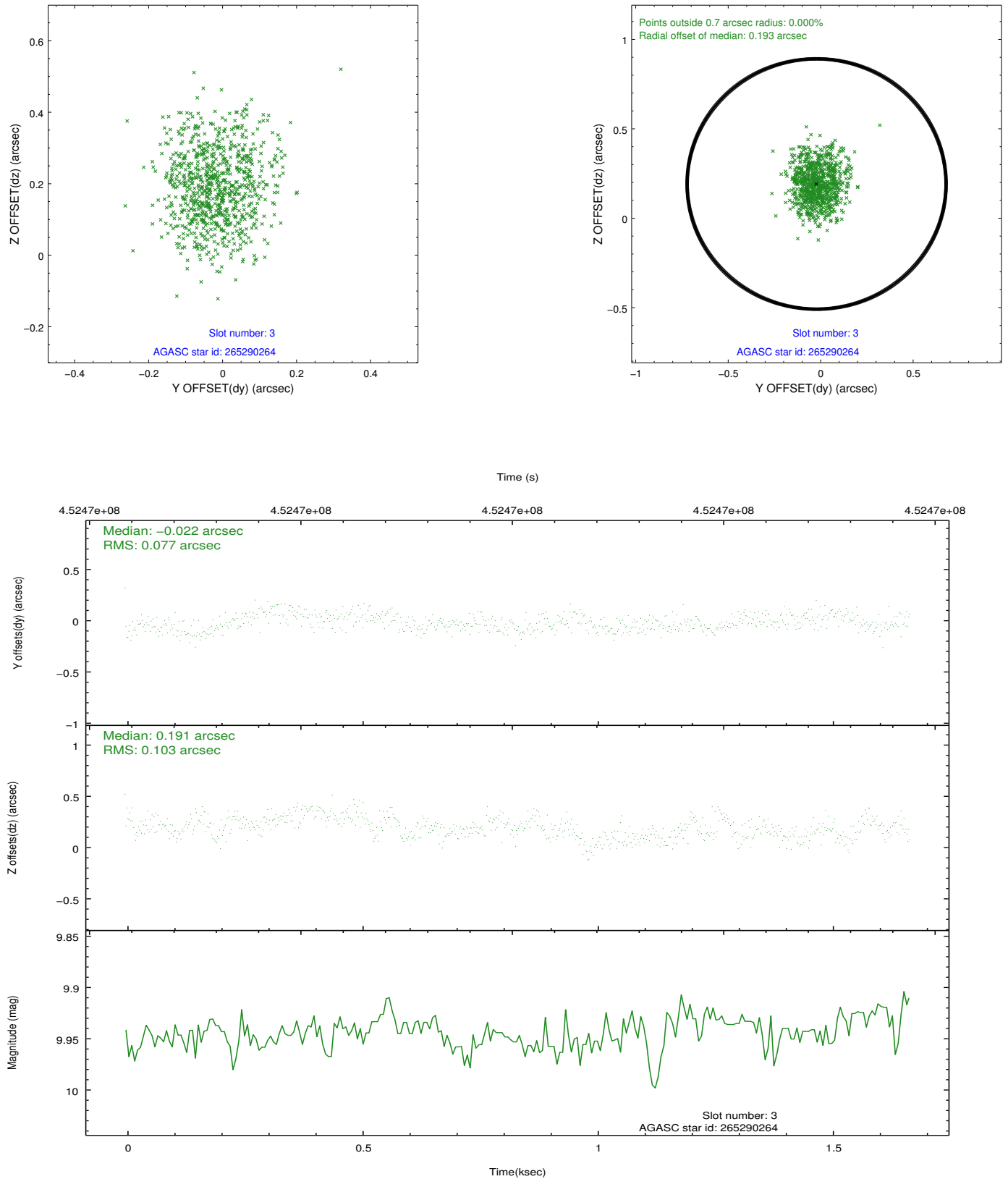


Slot Statistics

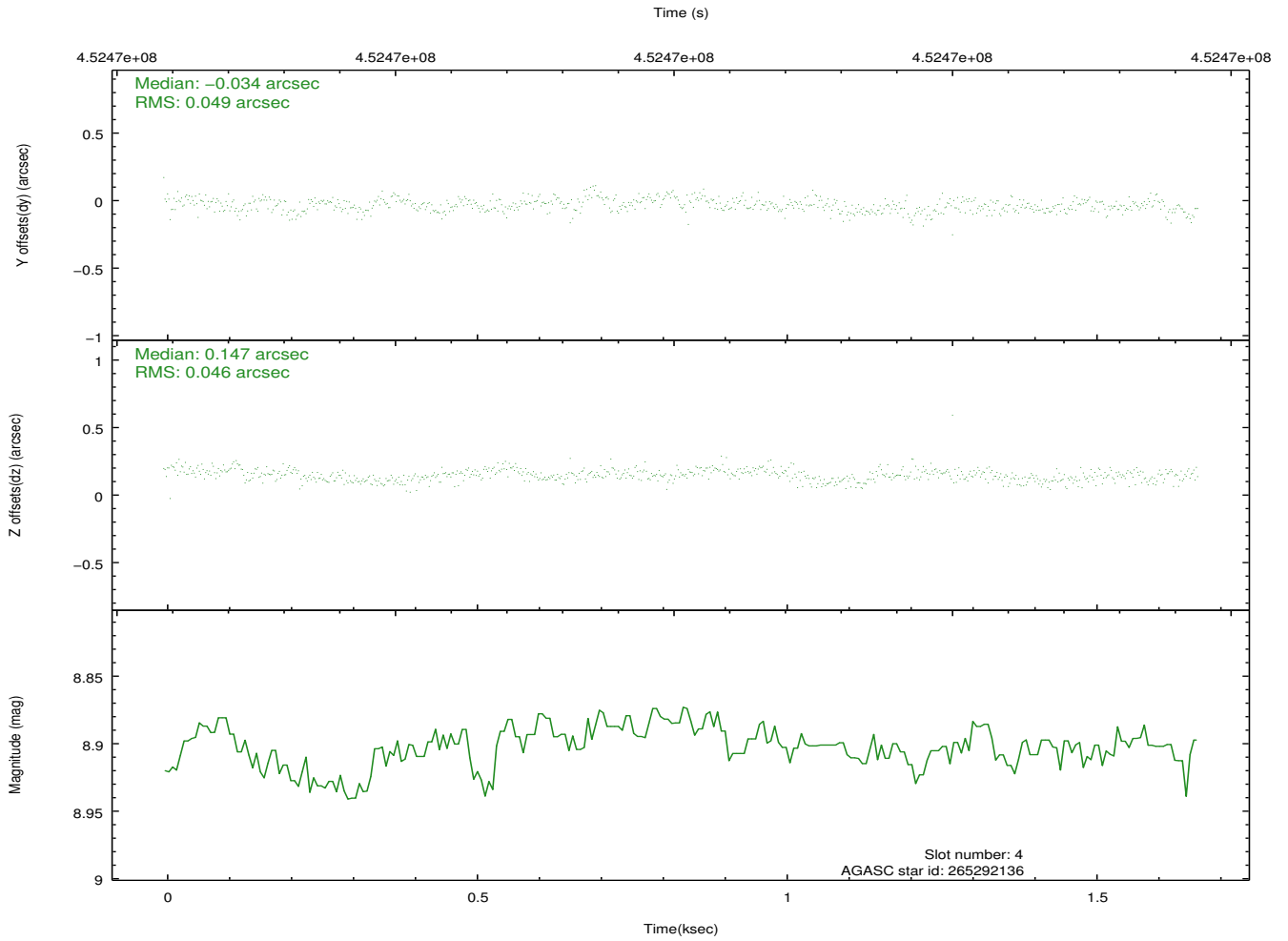
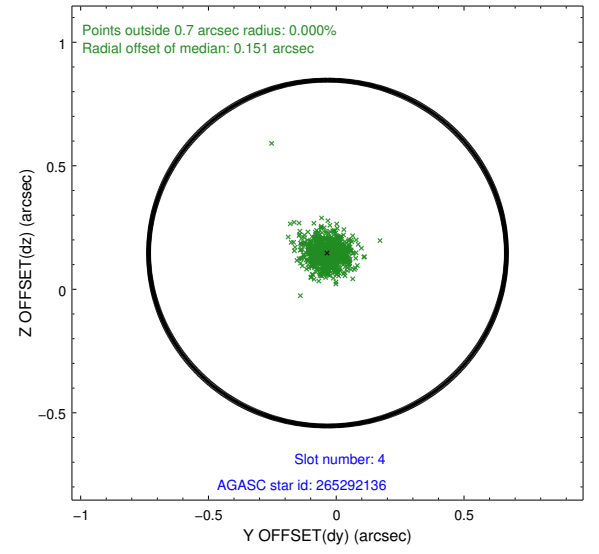
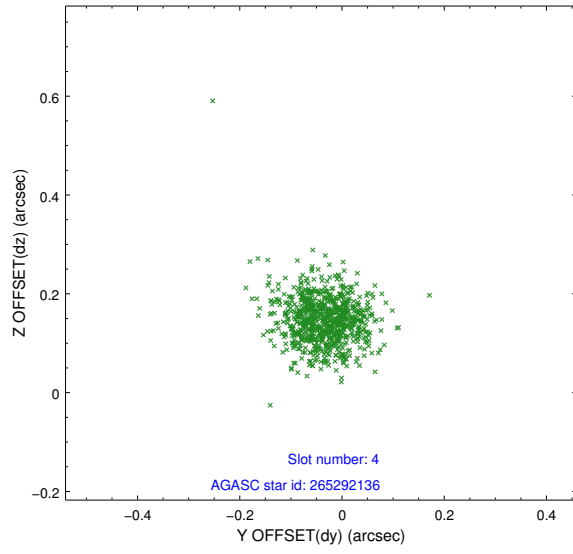
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.04	407	0.074	-0.024	0.006	0.010	0.000000	0.000000	931.13	-1730.28
1	FID	ACIS-S-4	7.04	407	0.107	-0.015	0.005	0.009	0.000000	0.000000	2150.80	169.78
2	FID	ACIS-S-5	7.07	407	-0.209	0.051	0.005	0.009	0.000000	0.000000	-1812.91	167.98
3	GUIDE	265290264	9.94	815	-0.022	0.191	0.136	0.220	227.683345	24.980454	-755.84	-1679.74
4	GUIDE	265292136	8.90	815	-0.034	0.147	0.068	0.114	227.904473	24.232916	-1905.84	857.74
5	GUIDE	265292416	9.01	814	-0.066	-0.134	0.127	0.197	227.221624	24.230407	303.32	1227.51
6	GUIDE	265292624	9.79	808	-0.091	-0.177	0.168	0.286	227.164161	24.226202	490.48	1272.70
7	GUIDE	265685168	9.26	814	0.209	-0.025	0.150	0.257	227.567729	25.037225	-349.76	-1819.31

2.4 Star Slots

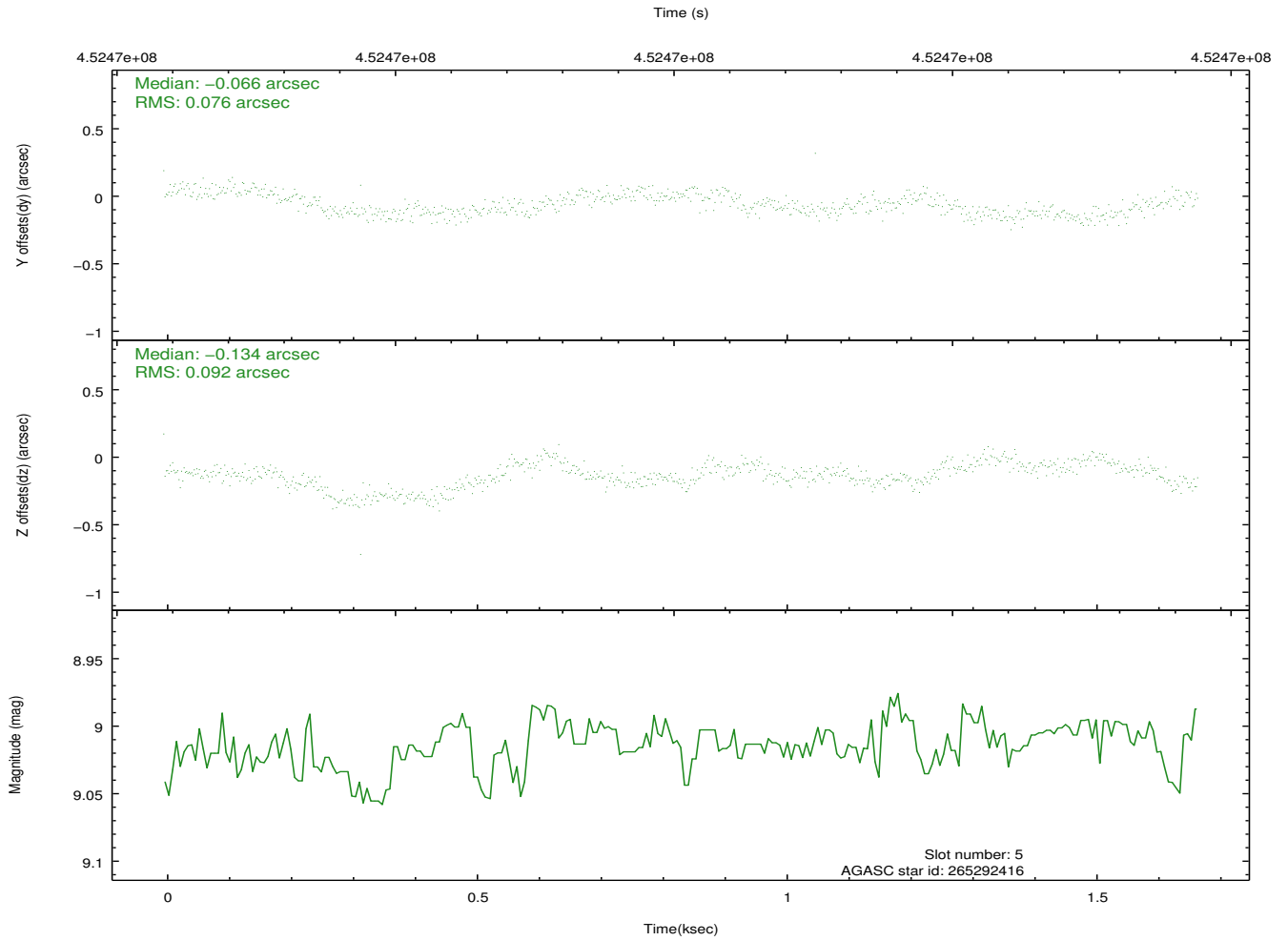
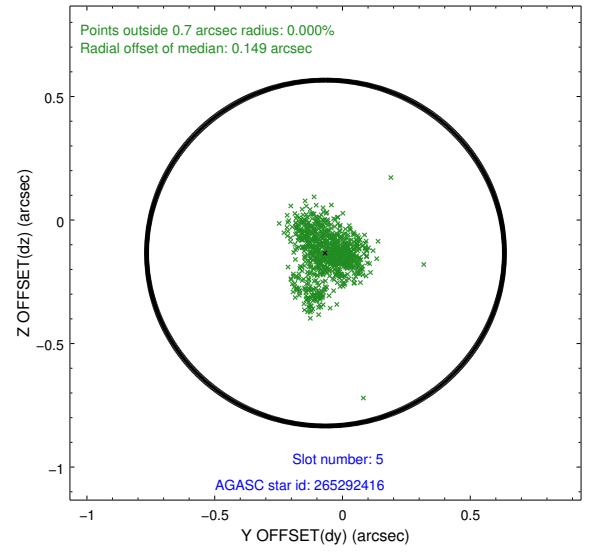
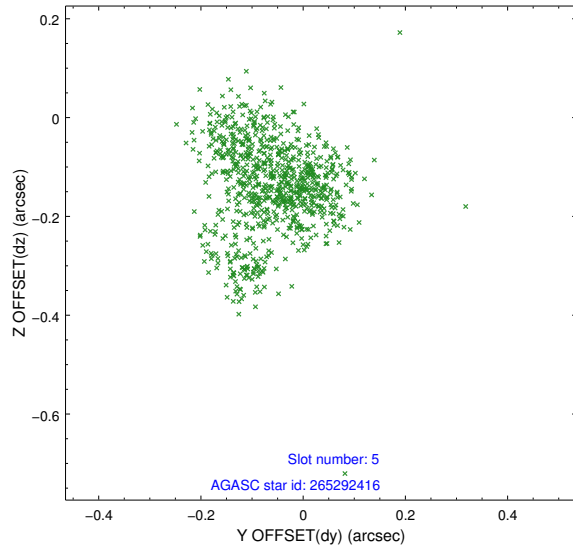
2.4.1 Slot 3



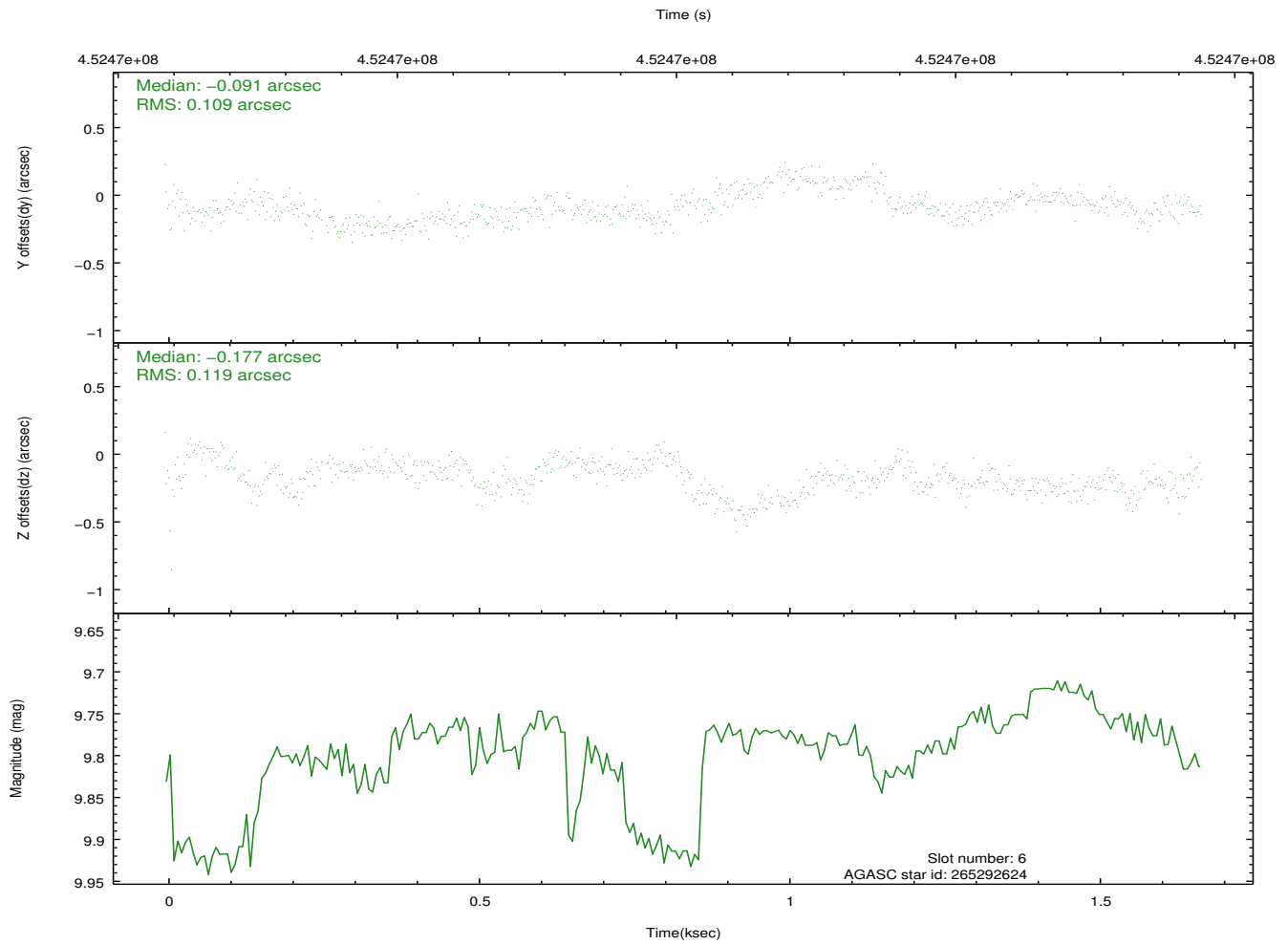
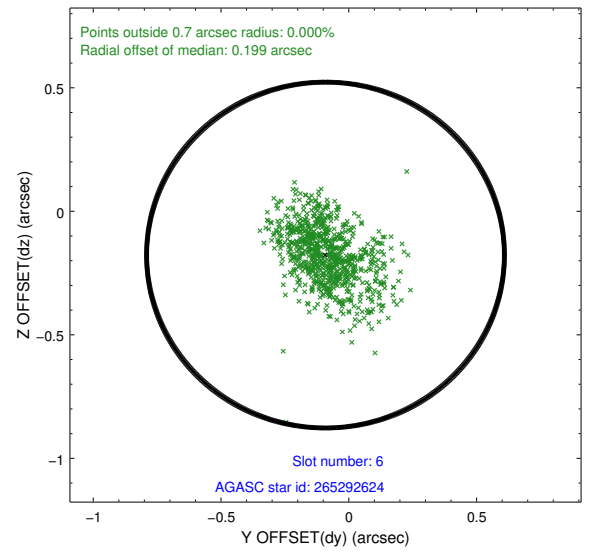
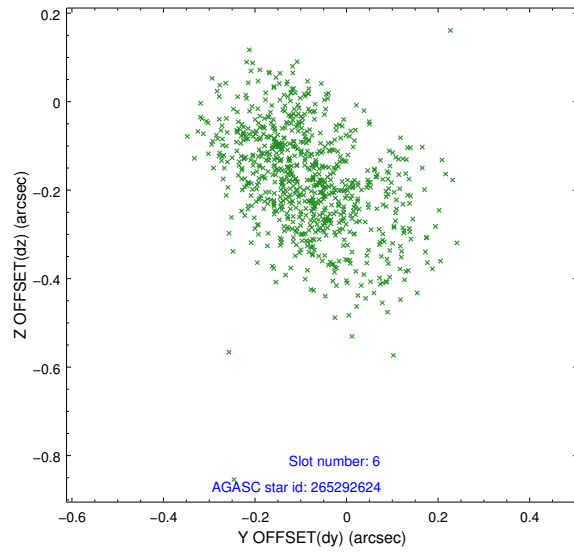
2.4.2 Slot 4



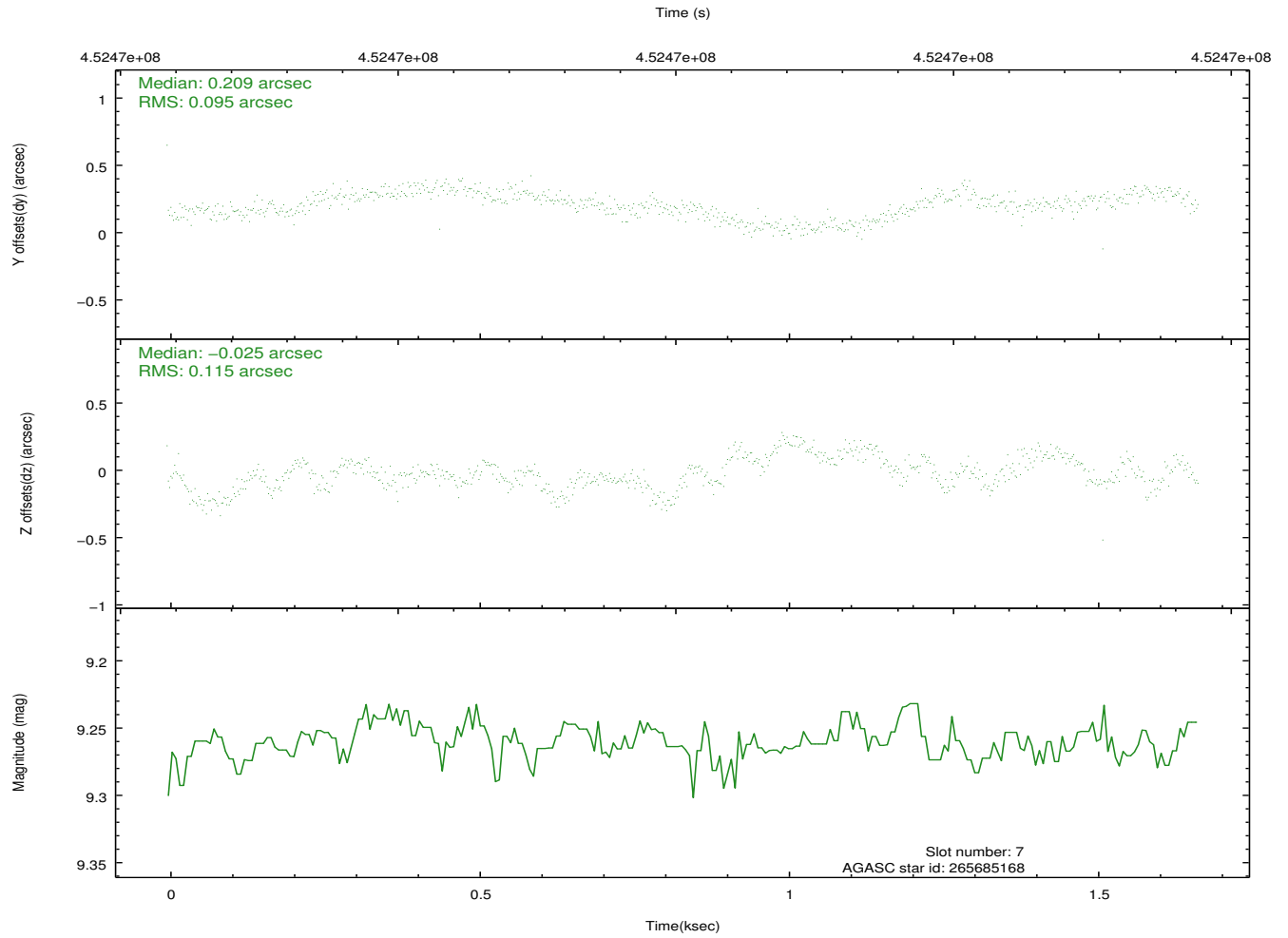
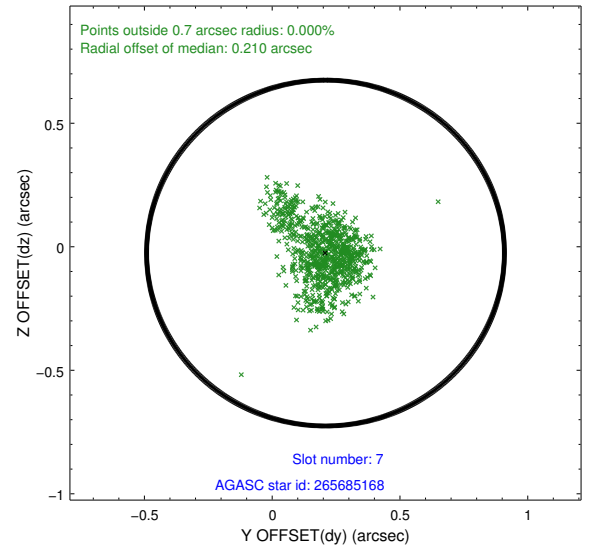
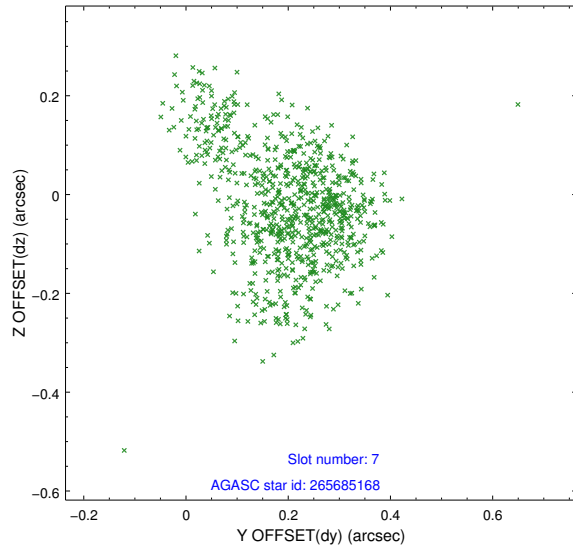
2.4.3 Slot 5



2.4.4 Slot 6

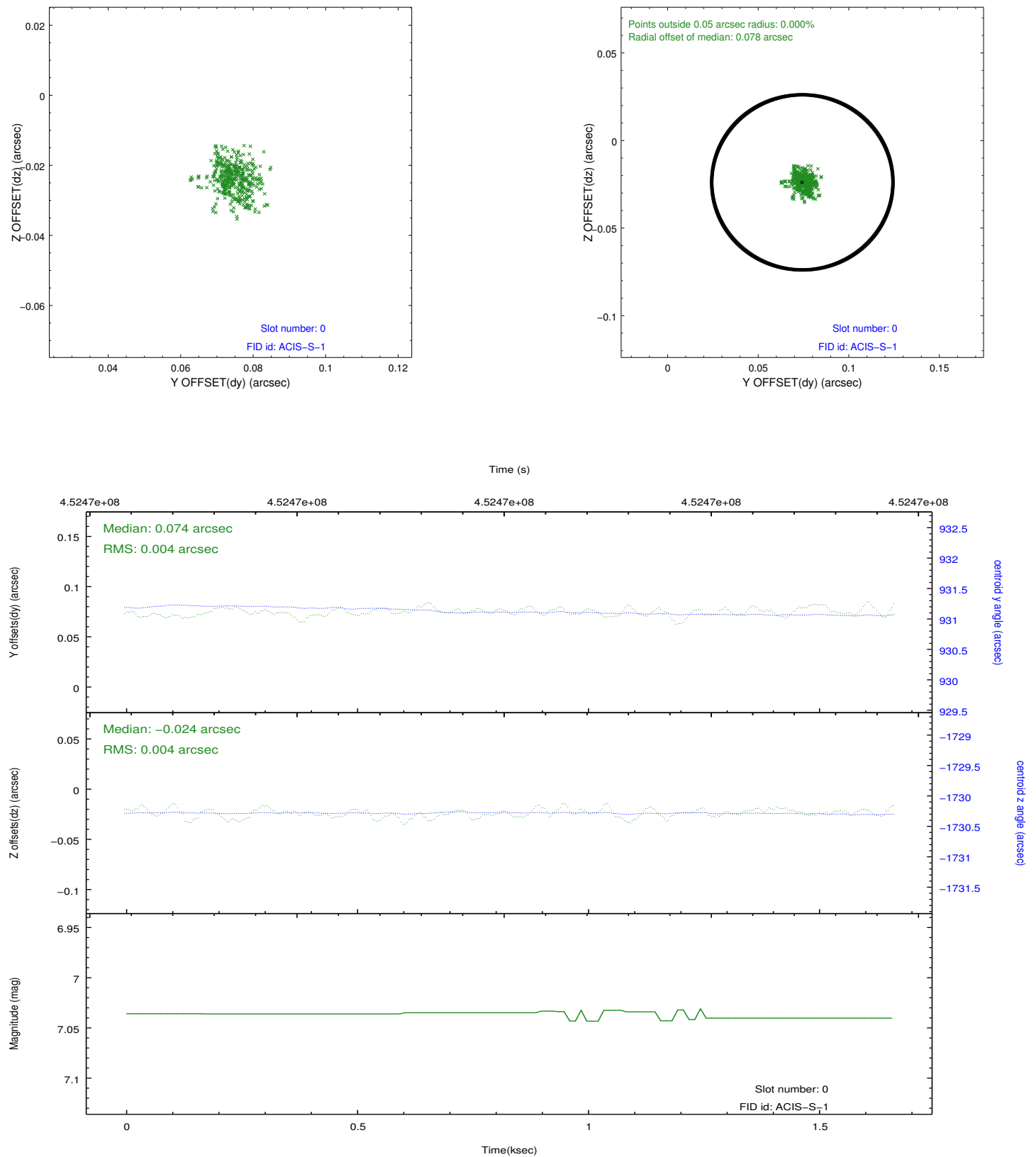


2.4.5 Slot 7

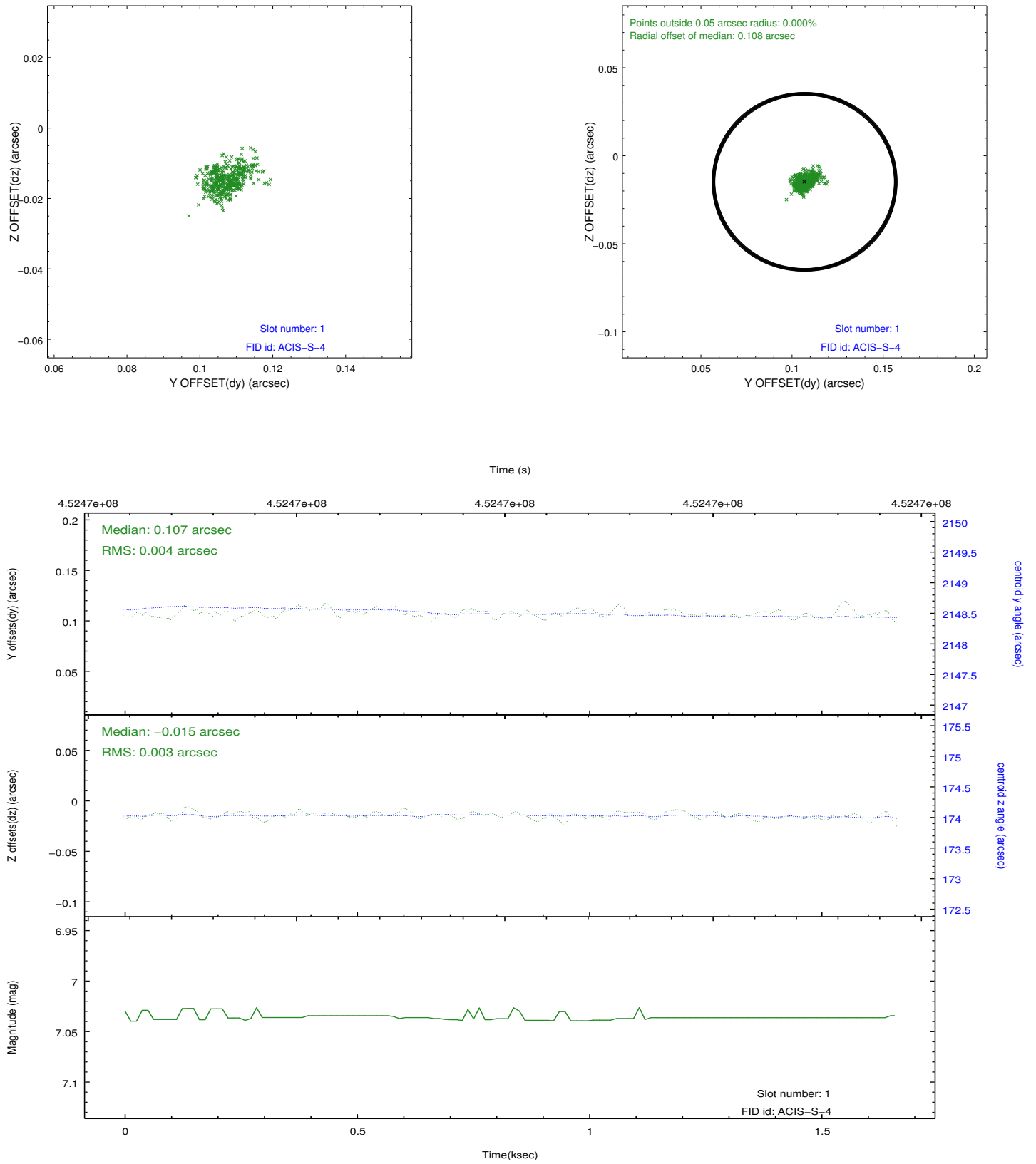


2.5 FID Slots

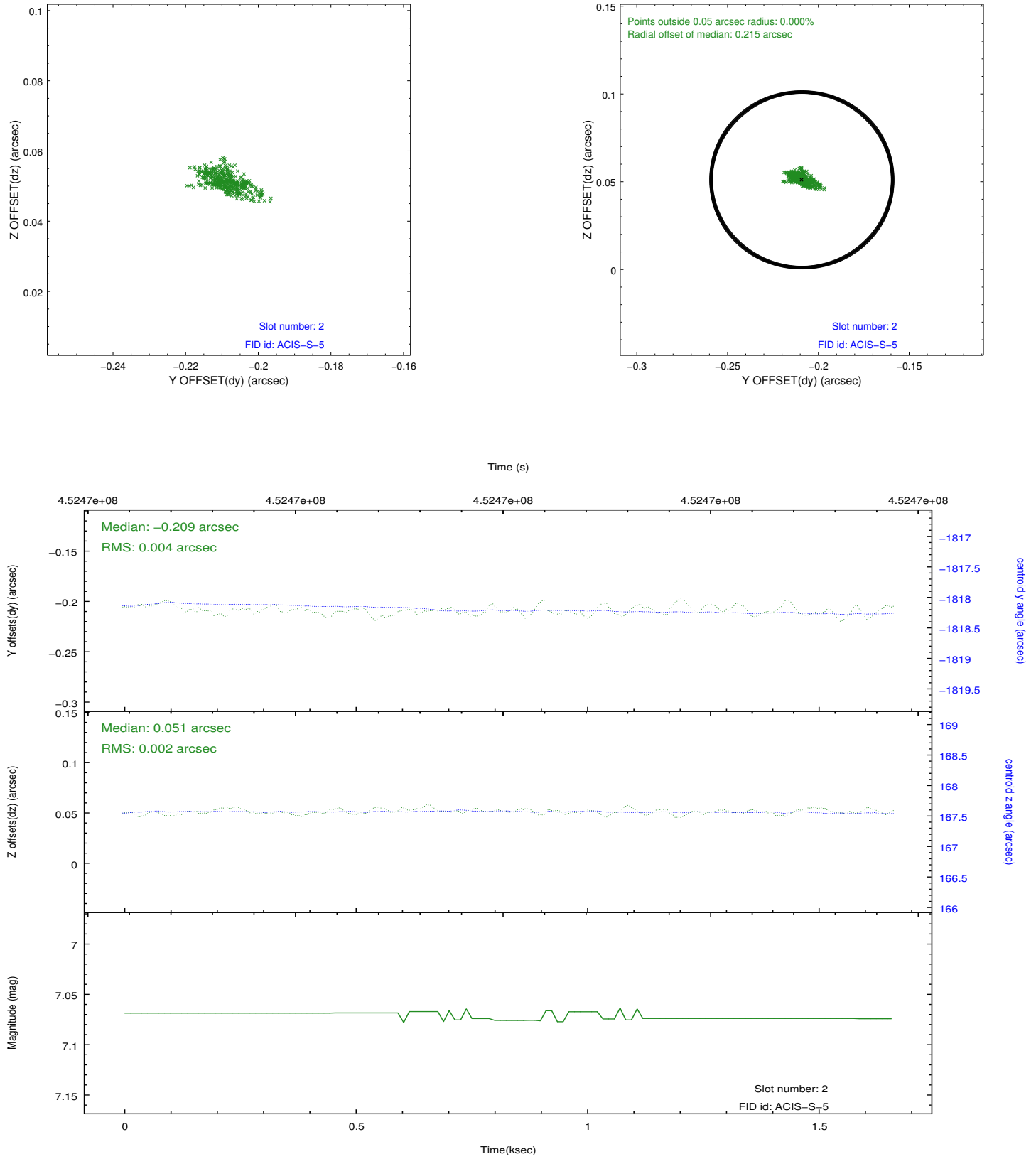
2.5.1 Slot 0



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)	2012.05.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.5779000121355

A.2 Comments