

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9562 - L2 Version 3
Chandra X-Ray Center

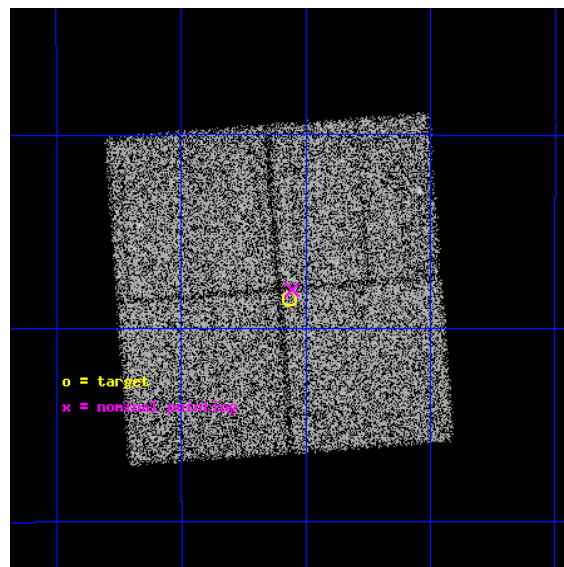
L2 Processing Date : May 14 2012

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

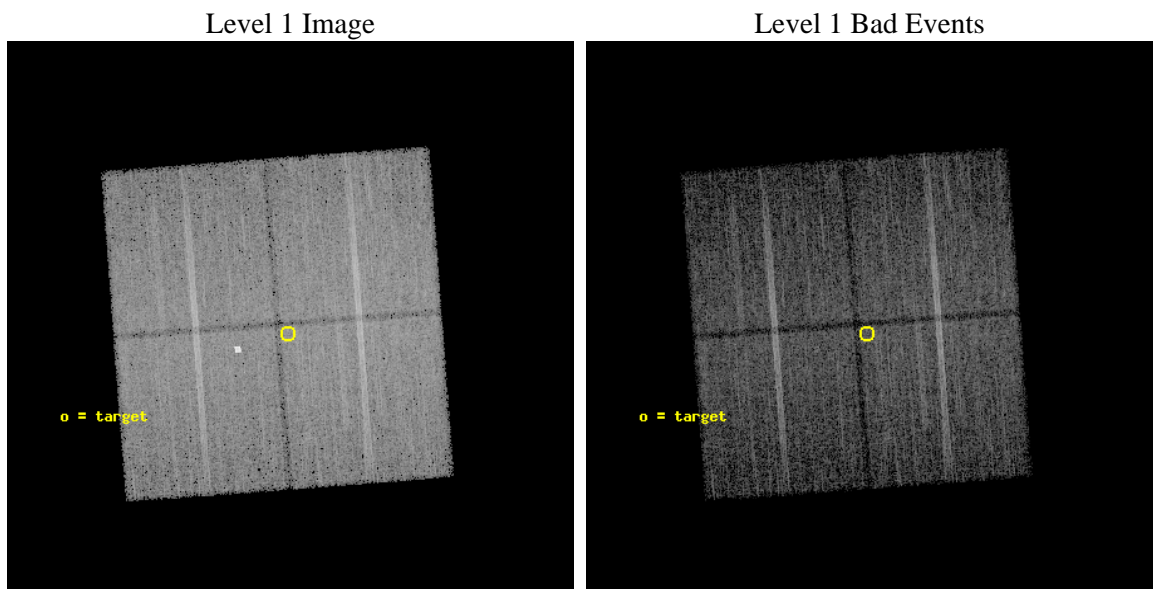
seq_num	600703	Sequence number
obs_id	9562	Observation id
title	Galactic Bulge Latitude Survey -3	Proposal title
observer	Professor Johnathan Grindlay	Principal investigator
object	GBW16	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.26625	Observer's specified target RA [deg]
dec_targ	-29.641444	Observer's specified target Dec [deg]
ra_nom	267.2641352361	Nominal RA [deg]
dec_nom	-29.633573254403	Nominal Dec [deg]
roll_nom	85.707646754008	Nominal Roll [deg]
revision	3	Processing version of data
ontime	14542.059051931	Sum of GTIs [s]
livetime	14352.056344709	Livetime [s]
ontime0	14545.200111866	Sum of GTIs [s]
ontime1	14542.059051931	Sum of GTIs [s]
ontime2	14542.059131563	Sum of GTIs [s]
ontime3	14542.059051931	Sum of GTIs [s]
l2events	68281	Number of level 2 events



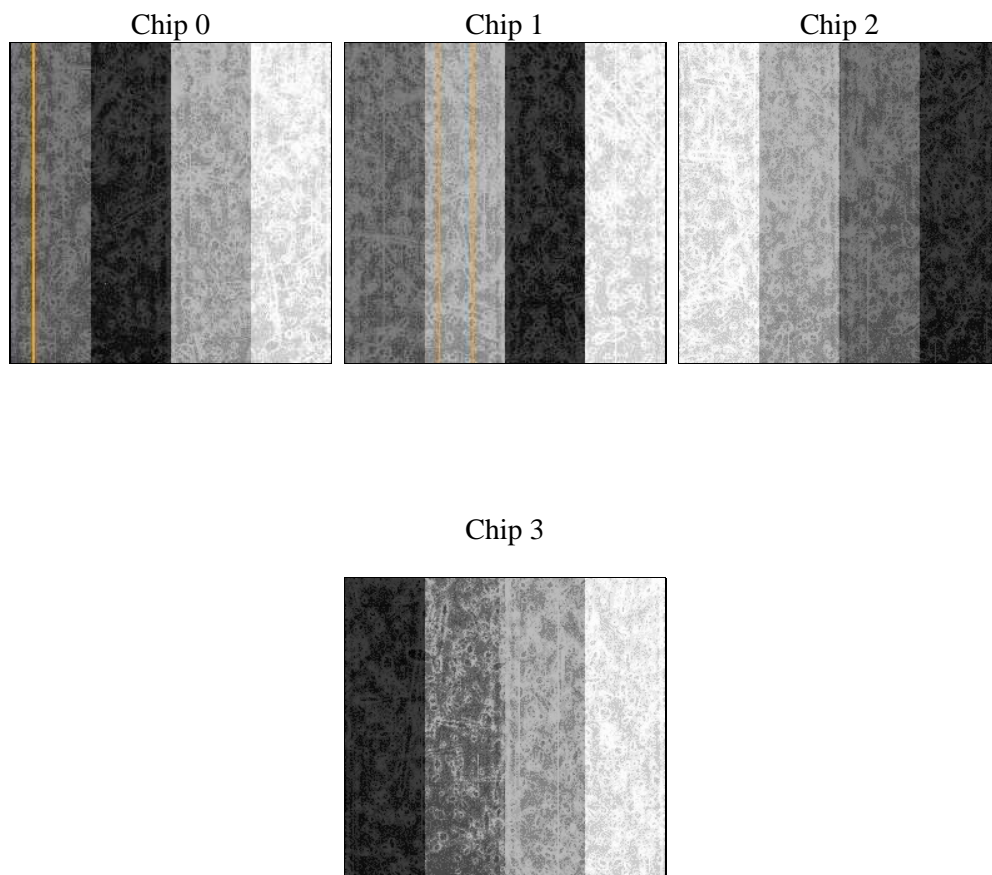
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	14755.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	14542.059051931	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	14545.200111866	Sum of GTIs [s]
date	2012-05-14T01:34:22	Date and time of file creation	ontime1	14542.059051931	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	14542.059131563	Sum of GTIs [s]
			ontime3	14542.059051931	Sum of GTIs [s]
			l1events	531466	Number of level 1 events

2.1.4 Events

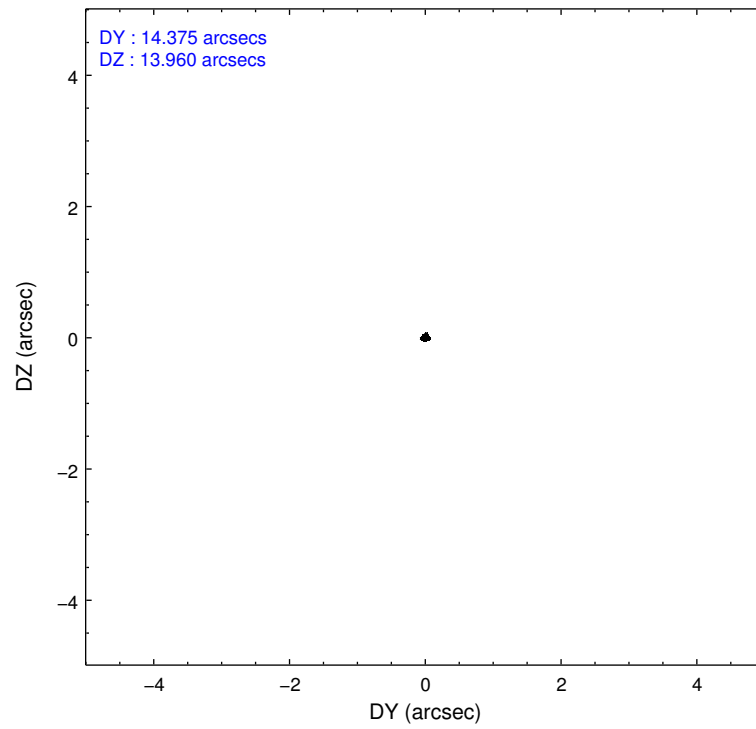
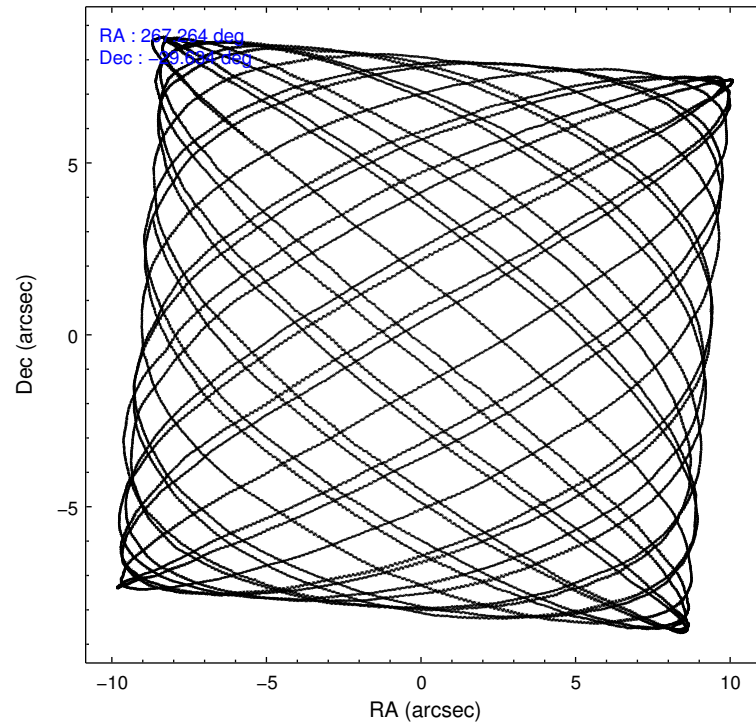
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	123712	129781	139612	138361
rejected events	103310	105598	119725	119680
rejected %	83%	81%	85%	86%

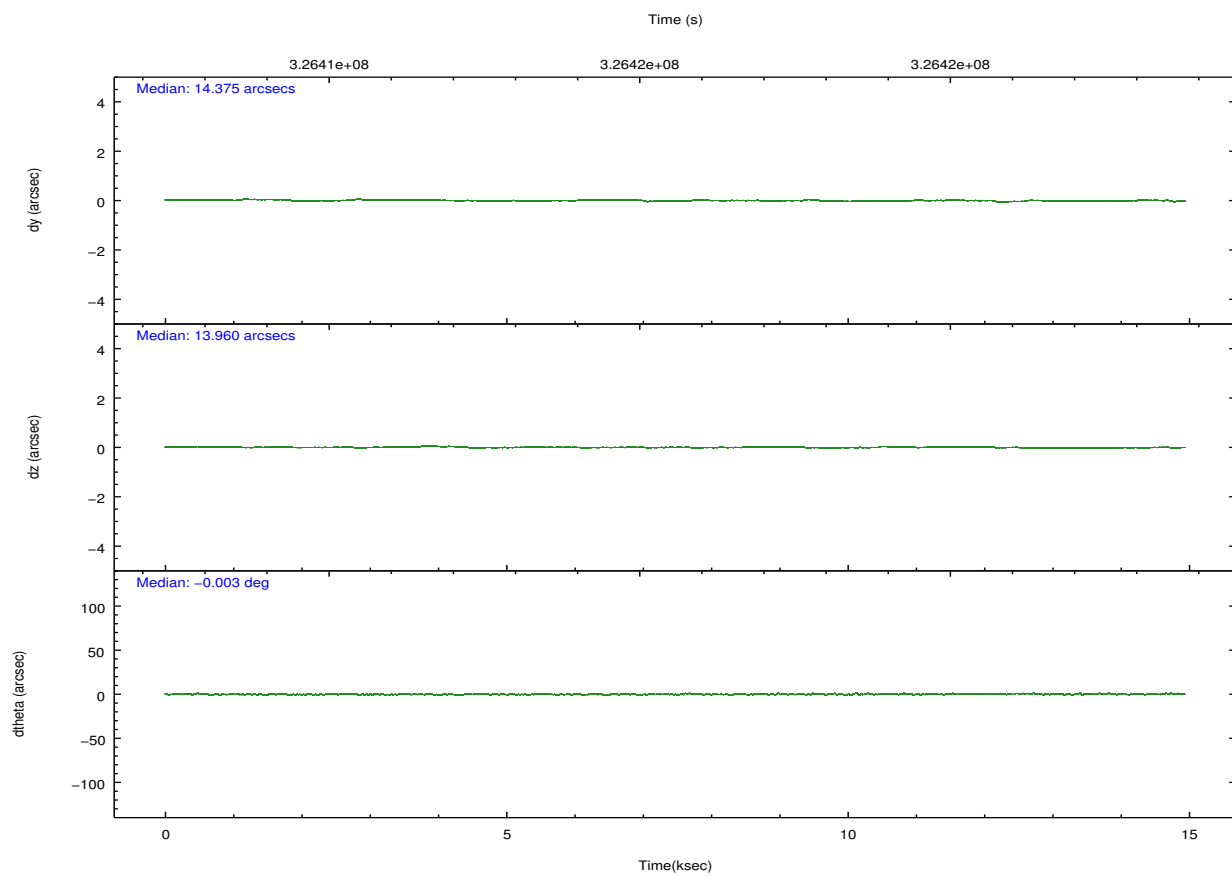
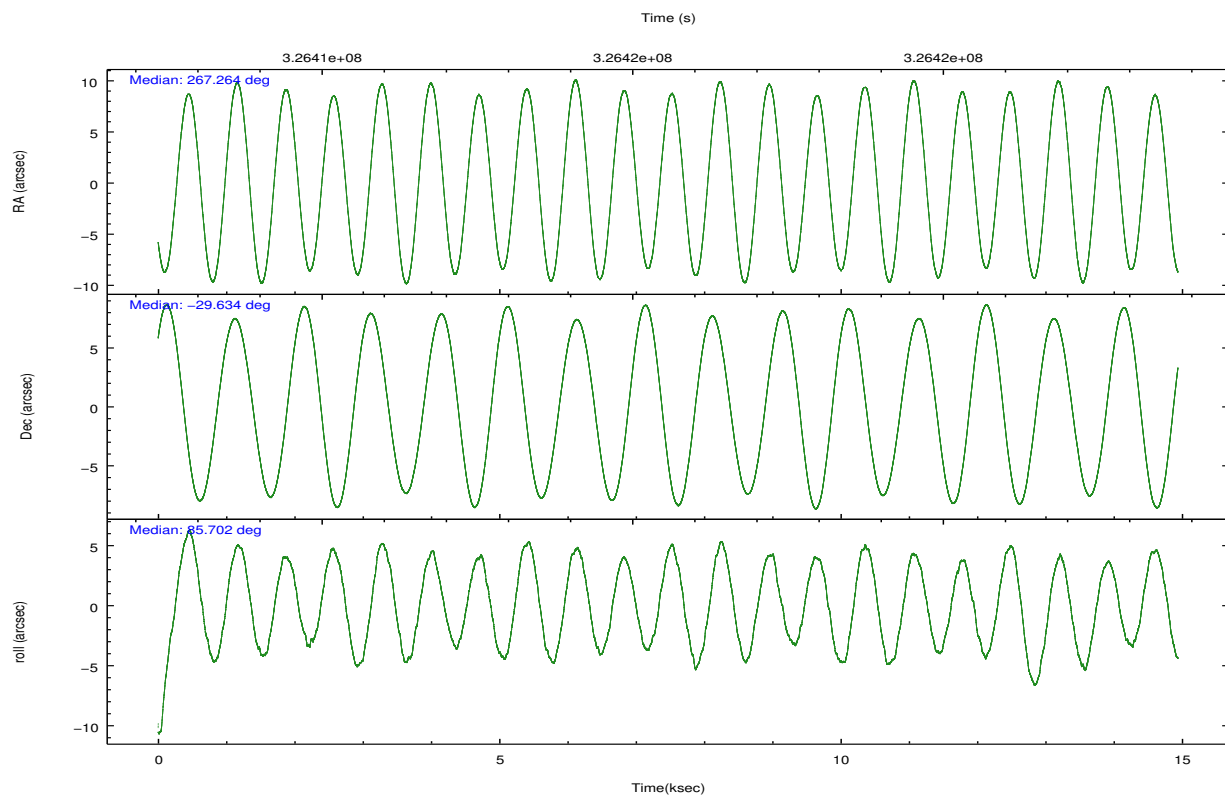
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	9944	12853	9912	8817
	8%	9%	7%	6%
grade 1 events	86	104	109	93
	0%	0%	0%	0%
grade 2 events	4122	4465	3874	3520
	3%	3%	2%	2%
grade 3 events	1671	1766	1582	1661
	1%	1%	1%	1%
grade 4 events	1562	1689	1673	1642
	1%	1%	1%	1%
grade 5 events	5886	6172	5445	6472
	4%	4%	3%	4%
grade 6 events	3126	3434	2854	3059
	2%	2%	2%	2%
grade 7 events	97315	99298	114163	113097
	78%	76%	81%	81%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	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	267.278000	267.264135236099	Subarray requested	NONE	NONE
[deg] Pointing Dec	-29.658298	-29.63357325440343	Alternating exposures requested	N	N
[deg] Pointing Roll	85.505817	85.70764675400777	[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)	326408274.184000	326407898.43128			
Observation start date	2008-05-05T20:56:49	2008-05-05T20:51:38			
[s] Observation end time (MET)	326423029.184000	326423325.70703			
Observation end date	2008-05-06T01:02:44	2008-05-06T01:08:45			
Read mode	TIMED	TIMED			

2.3 Aspect



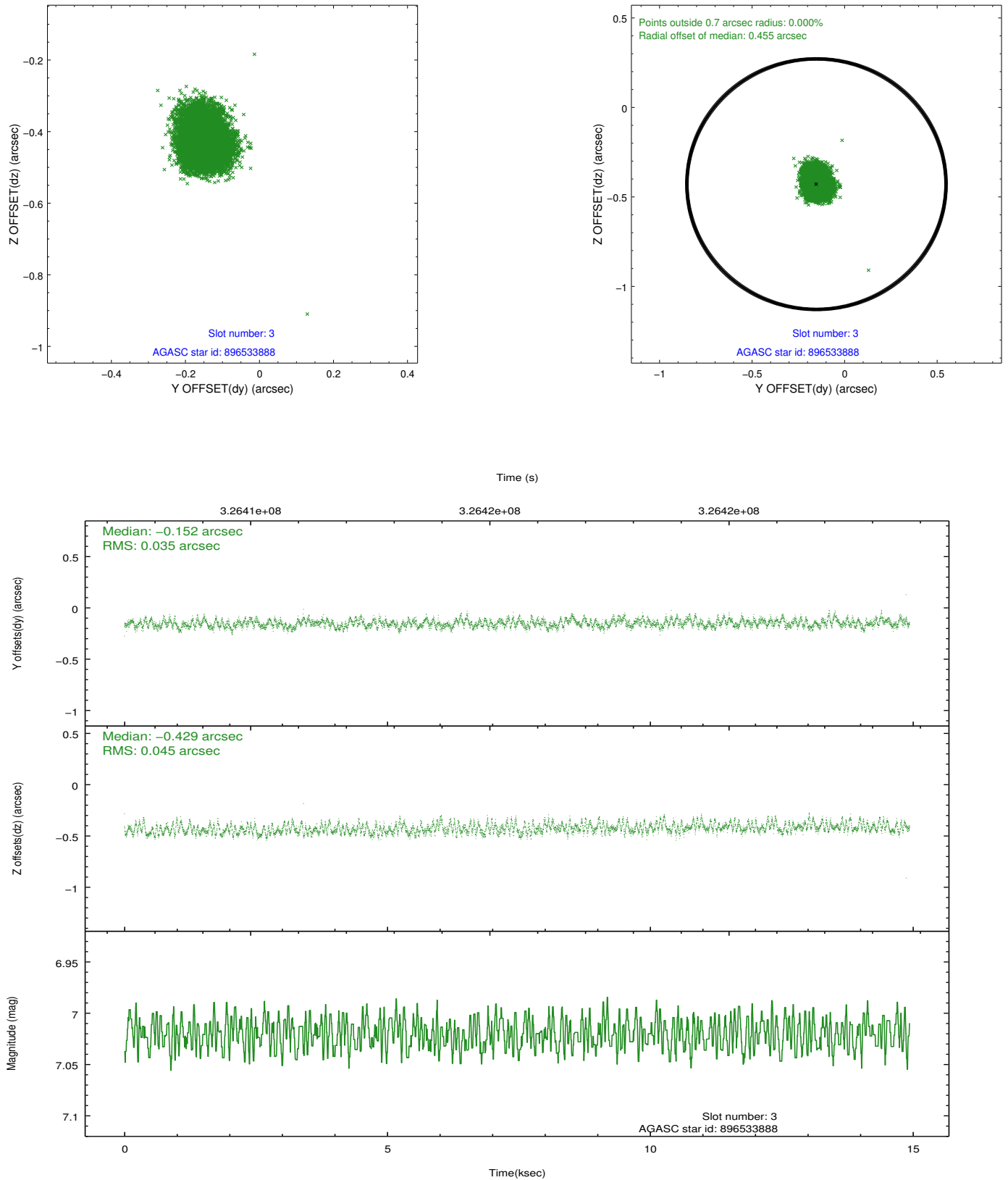


Slot Statistics

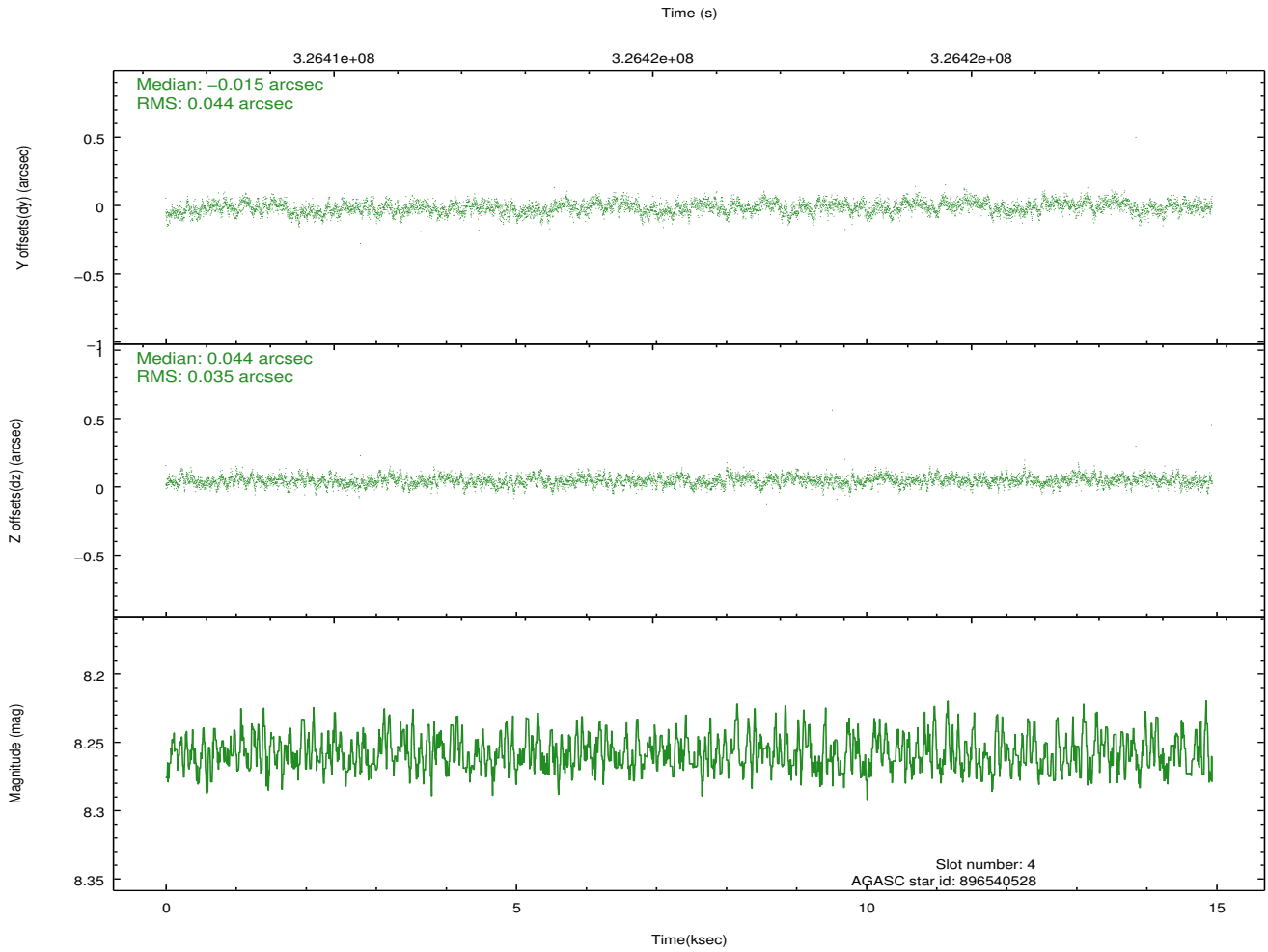
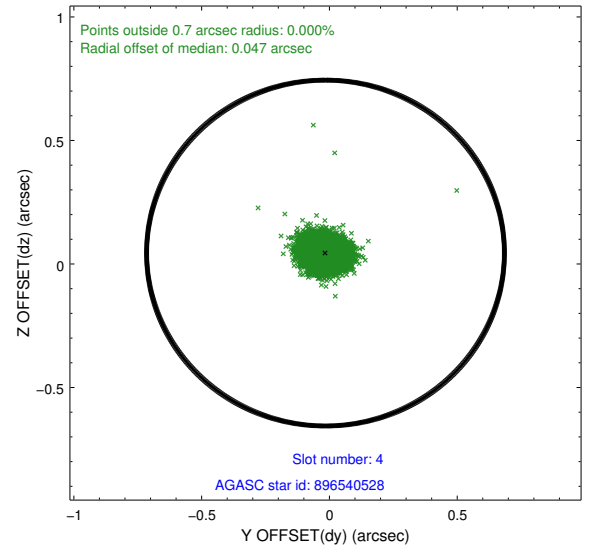
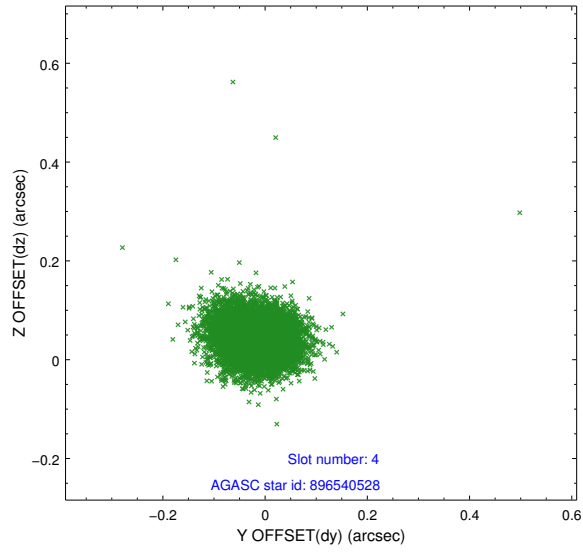
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.05	3642	0.010	0.049	0.012	0.019	0.000000	0.000000	925.12	-837.47
1	FID	ACIS-I-5	7.04	3642	-0.193	0.030	0.010	0.016	0.000000	0.000000	-1823.04	1059.81
2	FID	ACIS-I-6	7.05	3642	0.091	-0.009	0.008	0.013	0.000000	0.000000	390.38	1704.65
3	GUIDE	896533888	7.02	7285	-0.152	-0.429	0.062	0.098	266.666434	-29.392757	797.57	1986.62
4	GUIDE	896540528	8.26	7281	-0.015	0.044	0.059	0.095	267.368305	-29.314773	1255.23	-185.52
5	GUIDE	898248800	8.22	7285	0.084	0.275	0.064	0.099	267.977609	-29.931731	-816.23	-2253.33
6	GUIDE	898250872	7.00	7285	-0.227	0.346	0.050	0.081	268.026303	-29.632040	270.30	-2327.37
7	GUIDE	966926496	8.10	7277	0.311	-0.241	0.061	0.100	267.109389	-30.299474	-2342.17	341.26

2.4 Star Slots

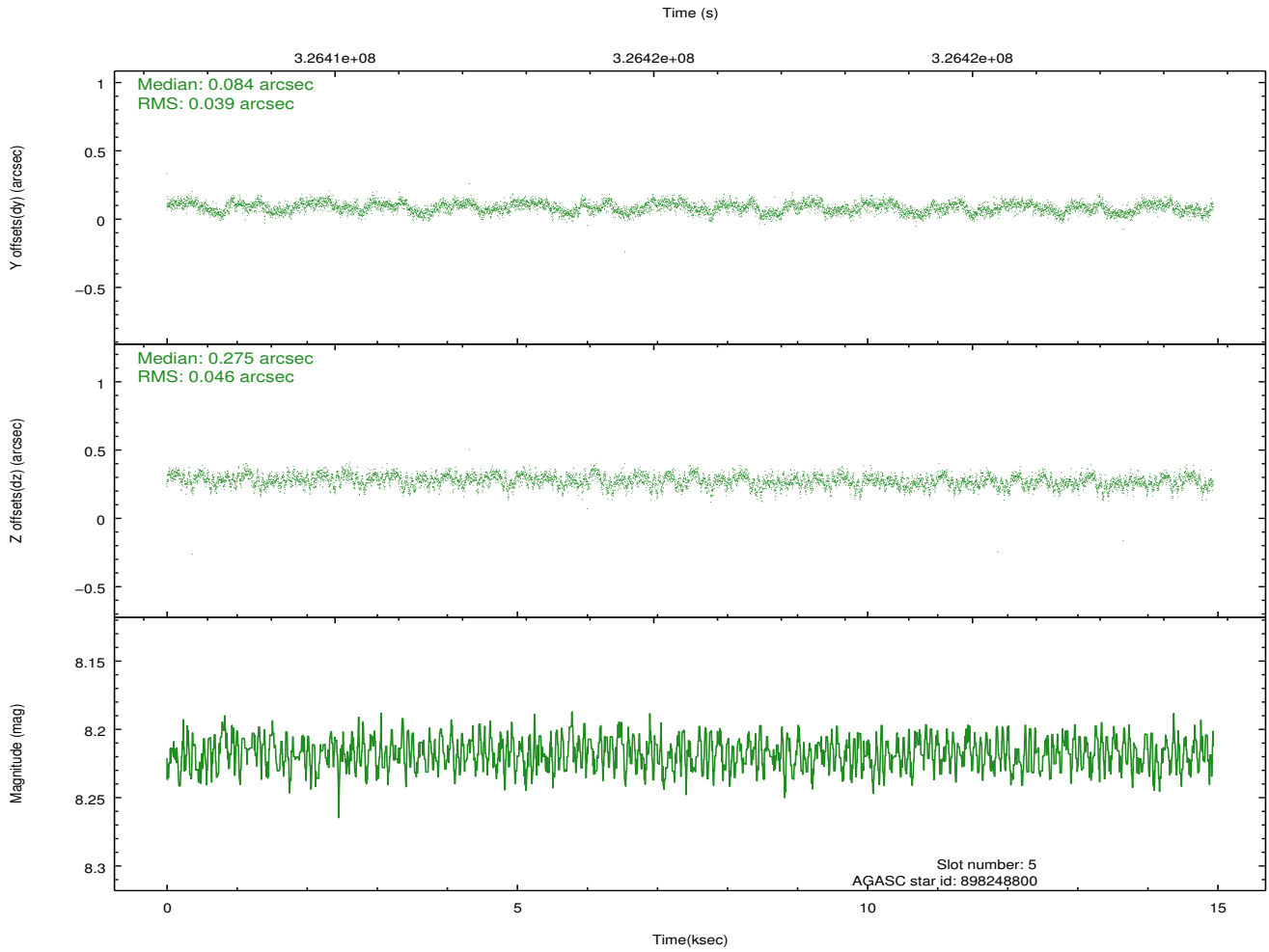
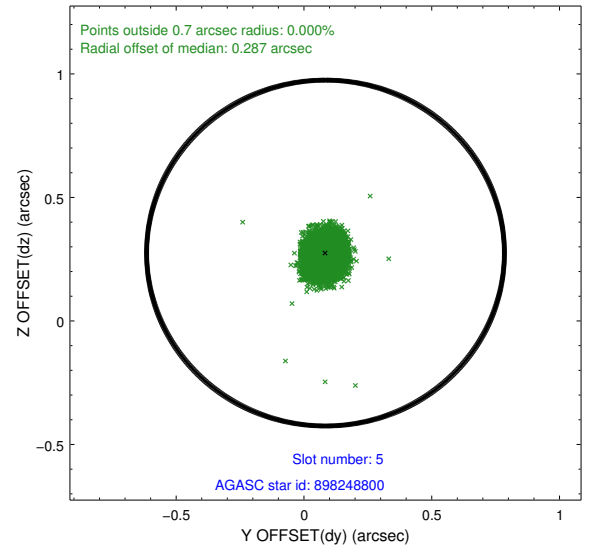
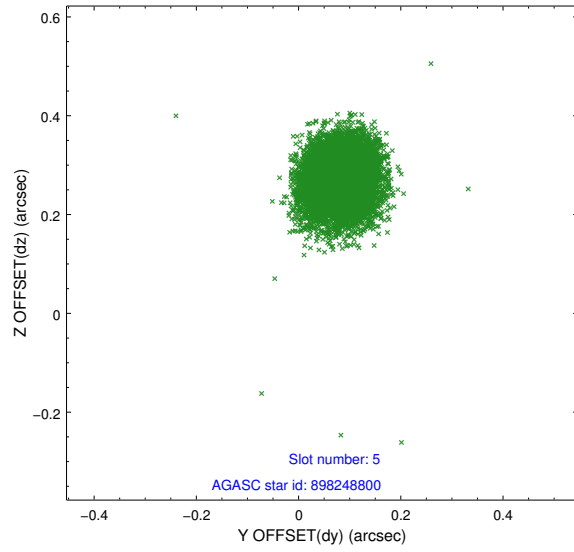
2.4.1 Slot 3



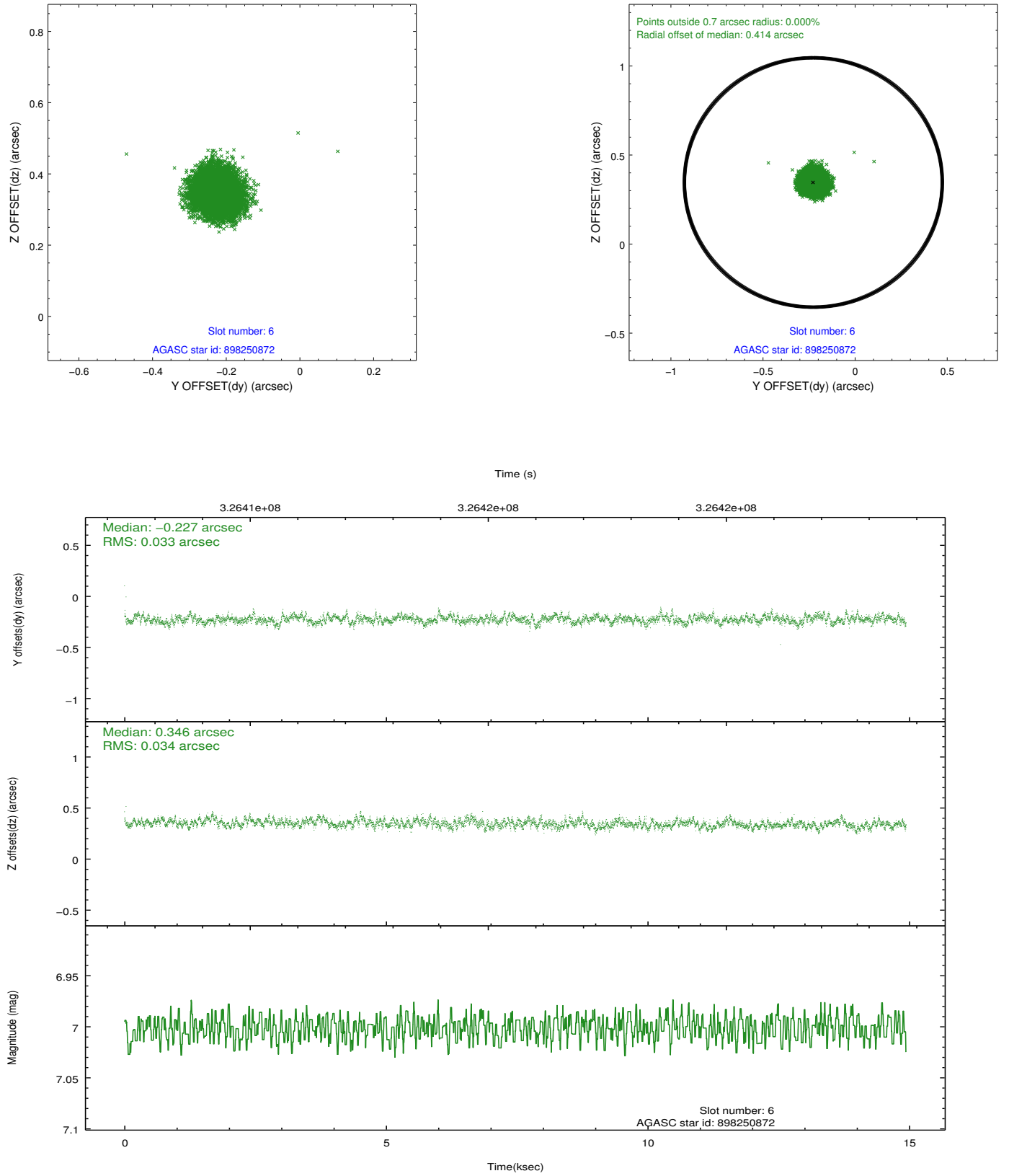
2.4.2 Slot 4



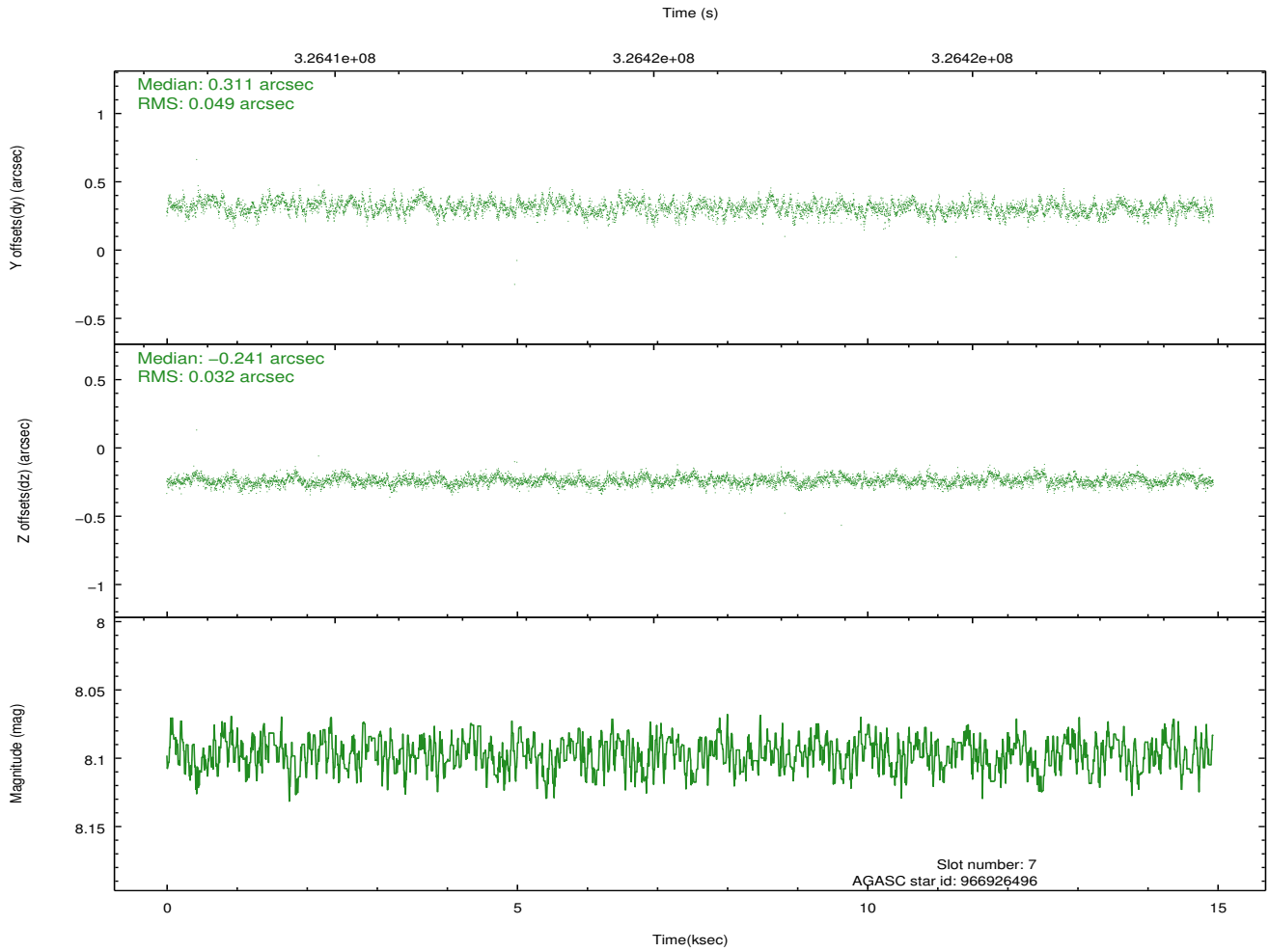
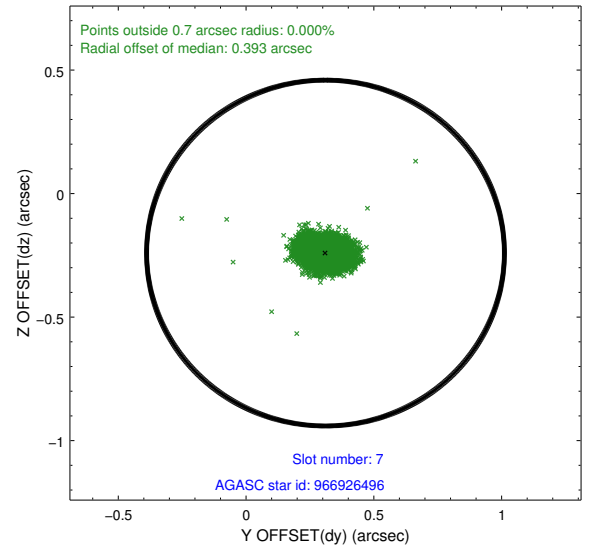
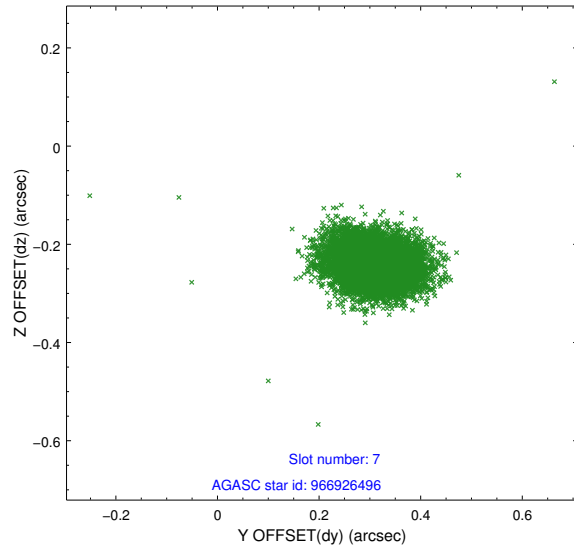
2.4.3 Slot 5



2.4.4 Slot 6

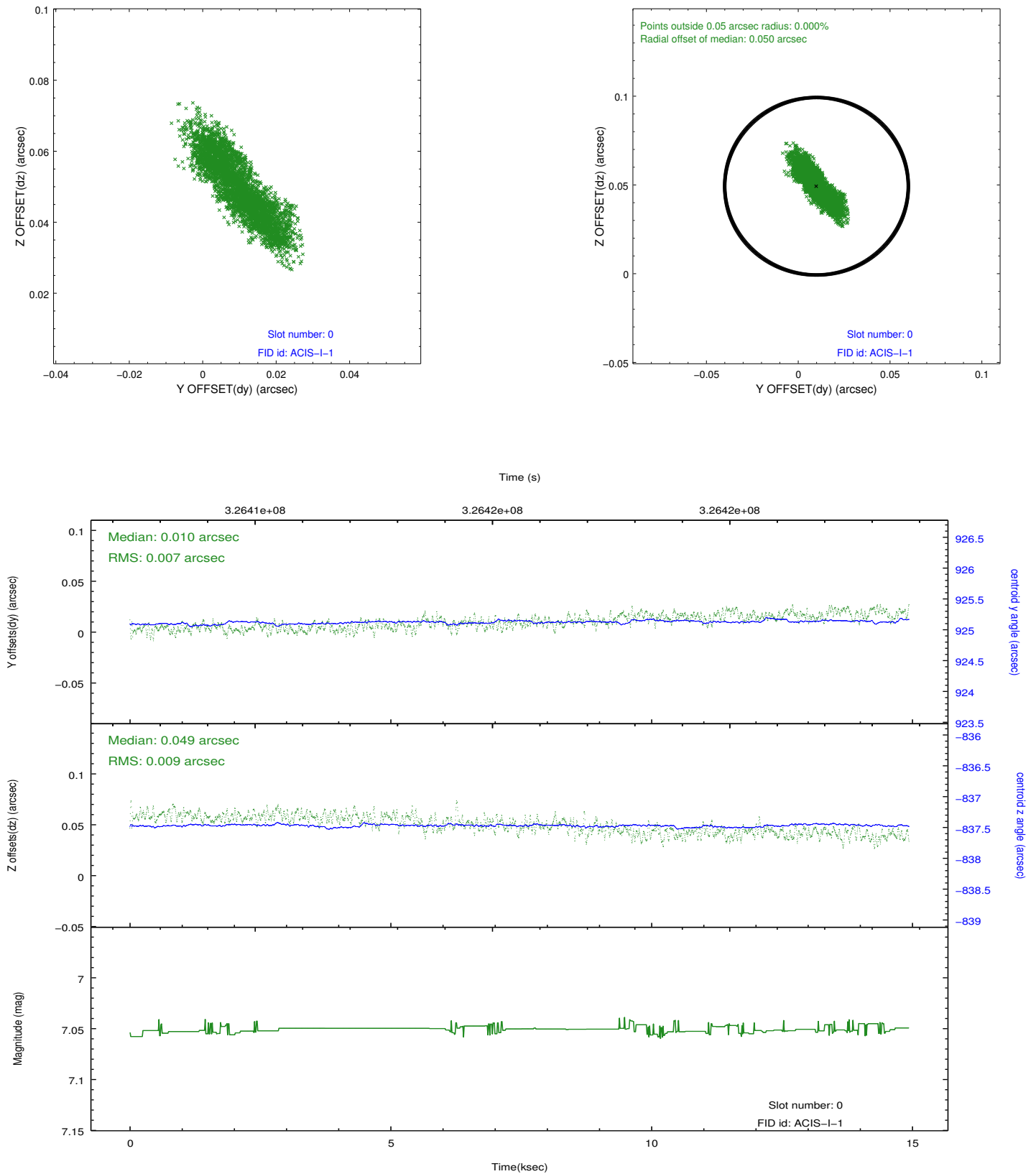


2.4.5 Slot 7

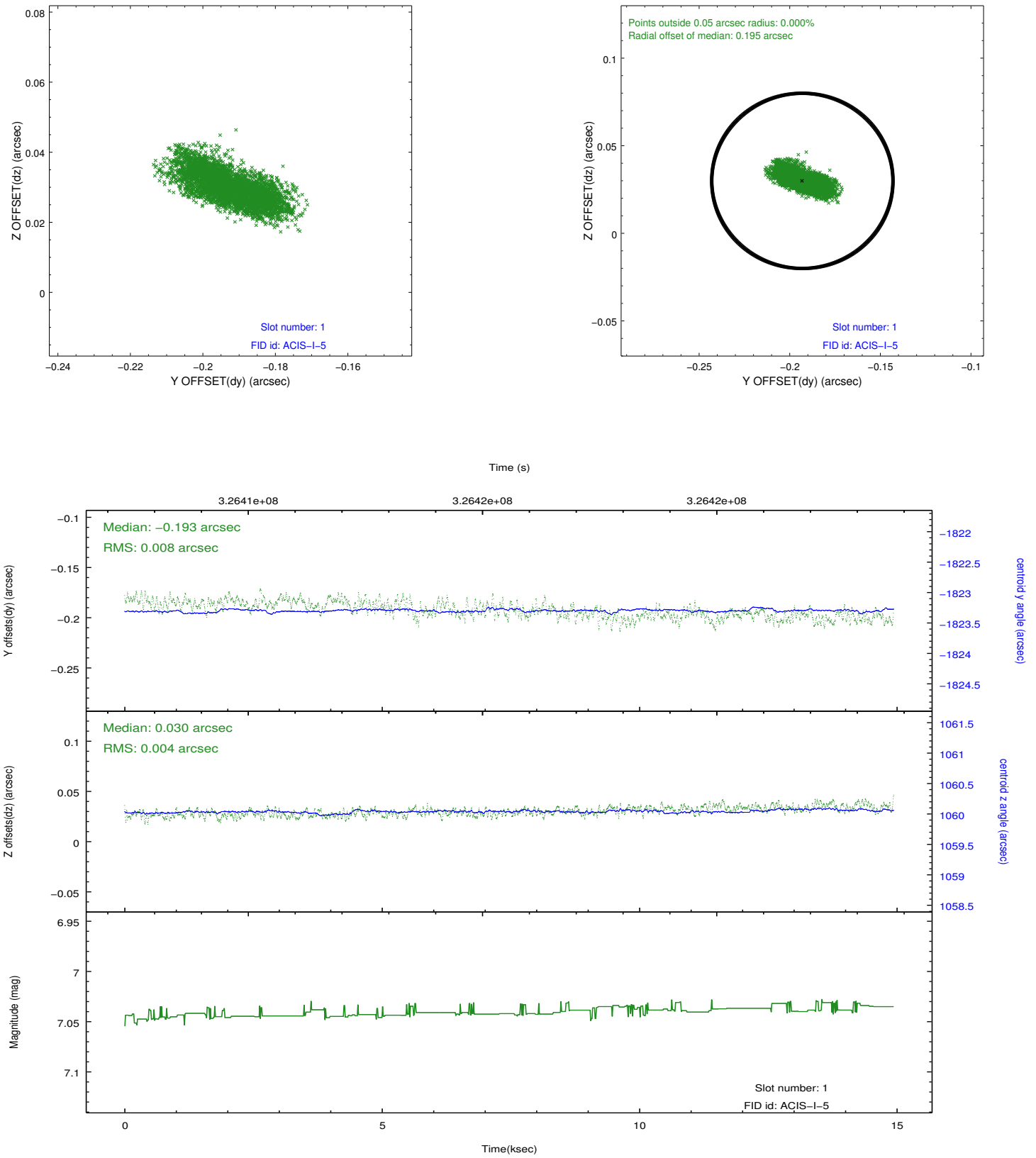


2.5 FID Slots

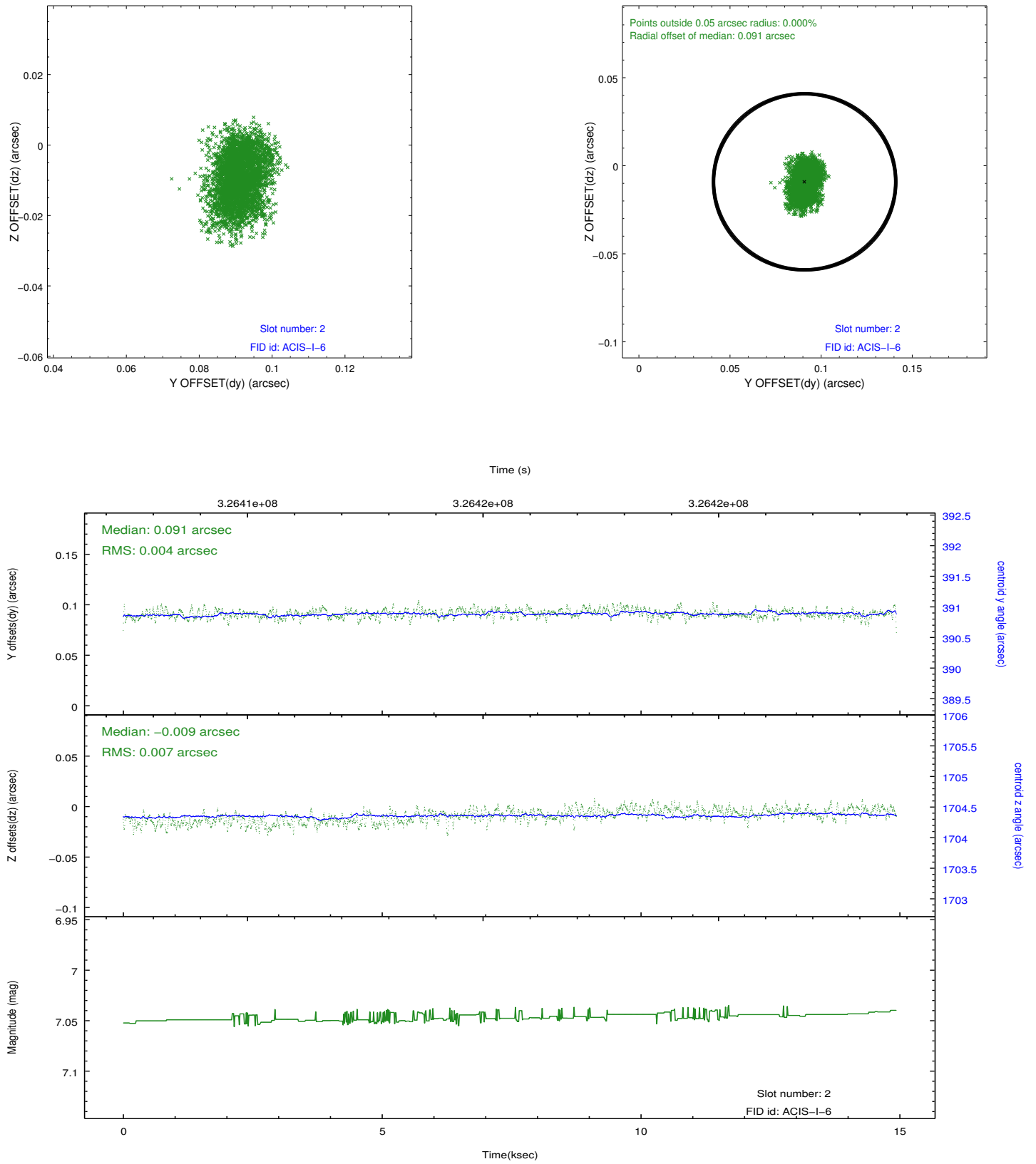
2.5.1 Slot 0



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)	2012.05.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.542059

A.2 Comments

Joint Proposal: NOAO. Roll preference met.