

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 9900 - L2 Version 2
Chandra X-Ray Center

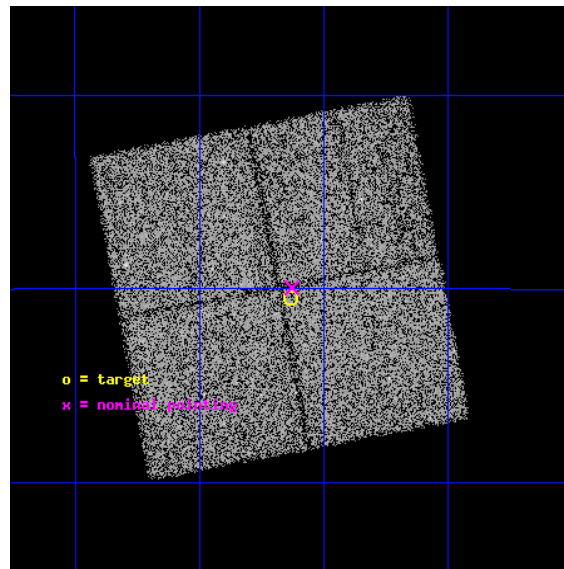
L2 Processing Date : Jun 7 2012

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1 Front

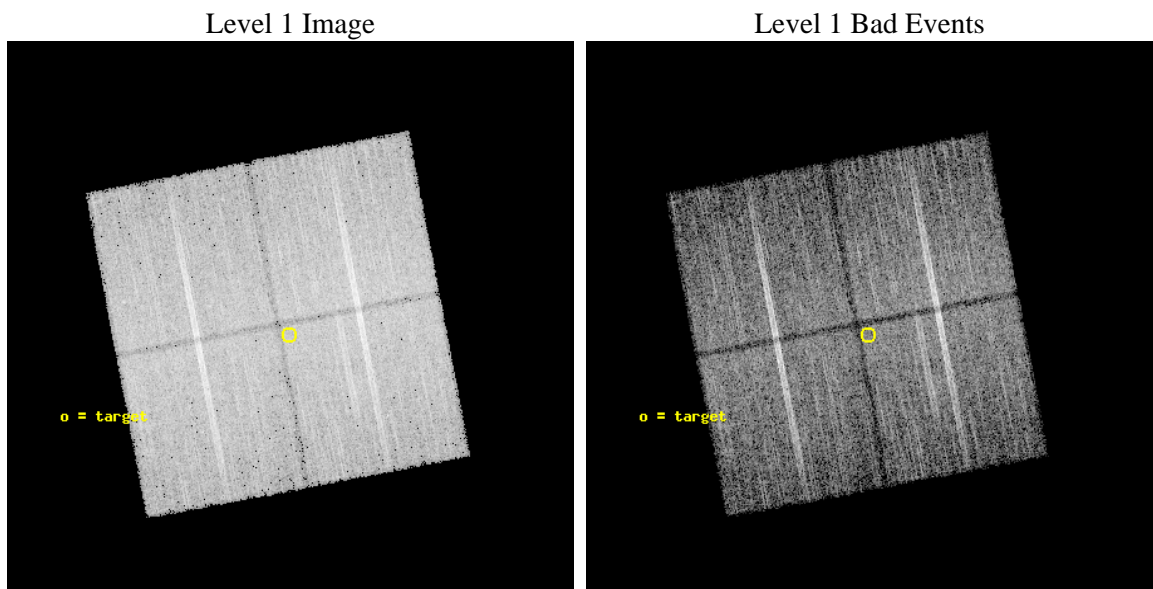
seq_num	600712	Sequence number
obs_id	9900	Observation id
title	Completing the Galactic Bulge Latitude Survey (BLS)	Proposal title
observer	Professor Johnathan Grindlay	Principal investigator
object	GBW18	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.658333	Observer's specified target RA [deg]
dec_targ	-29.840583	Observer's specified target Dec [deg]
ra_nom	267.6572728897	Nominal RA [deg]
dec_nom	-29.832508837187	Nominal Dec [deg]
roll_nom	79.208163547219	Nominal Roll [deg]
revision	2	Processing version of data
ontime	15055.895275533	Sum of GTIs [s]
livetime	14859.17891977	Livetime [s]
ontime0	15052.631155193	Sum of GTIs [s]
ontime1	15055.813195527	Sum of GTIs [s]
ontime2	15052.713235199	Sum of GTIs [s]
ontime3	15055.895275533	Sum of GTIs [s]
l2events	78128	Number of level 2 events



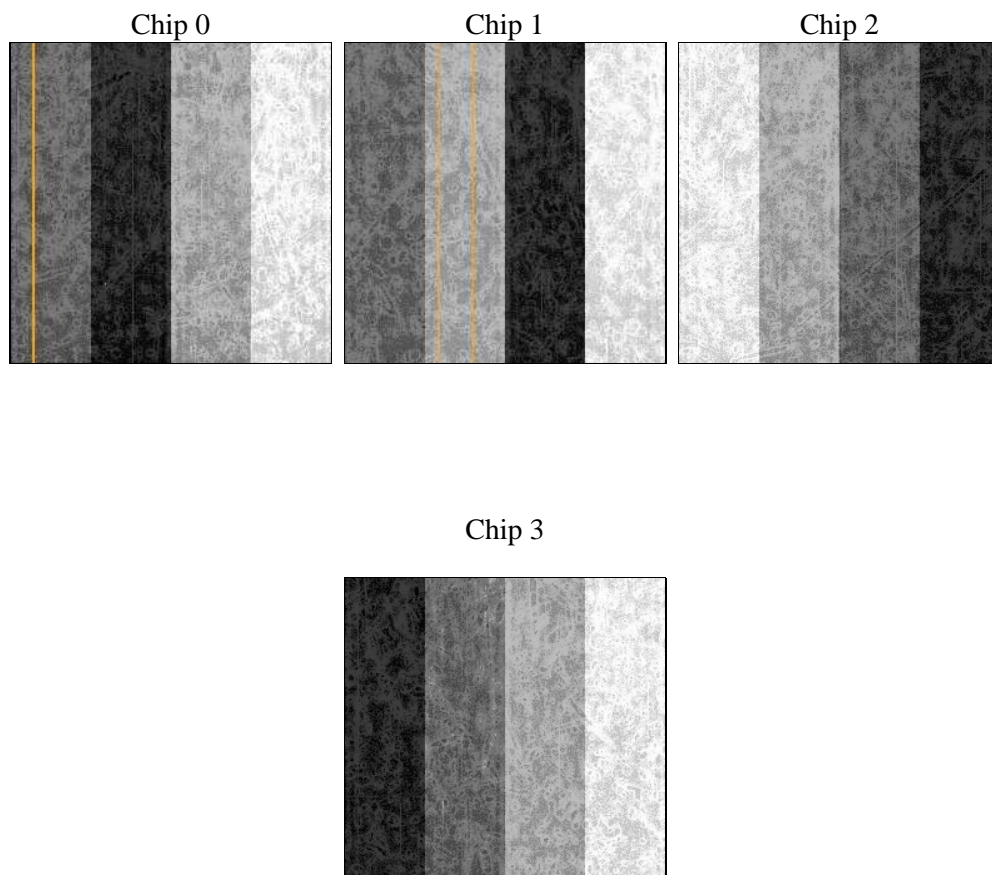
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	15055.895275533	Sum of GTIs [s]
caldsver	4.4.10	 	ontime0	15052.631155193	Sum of GTIs [s]
date	2012-06-07T04:21:39	Date and time of file creation	ontime1	15055.813195527	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	15052.713235199	Sum of GTIs [s]
			ontime3	15055.895275533	Sum of GTIs [s]
			l1events	612665	Number of level 1 events

2.1.4 Events

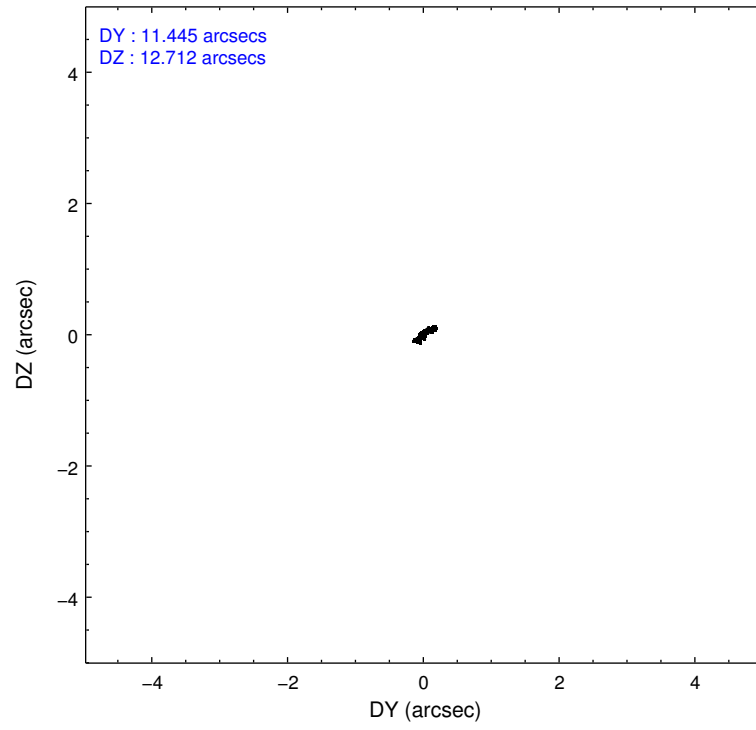
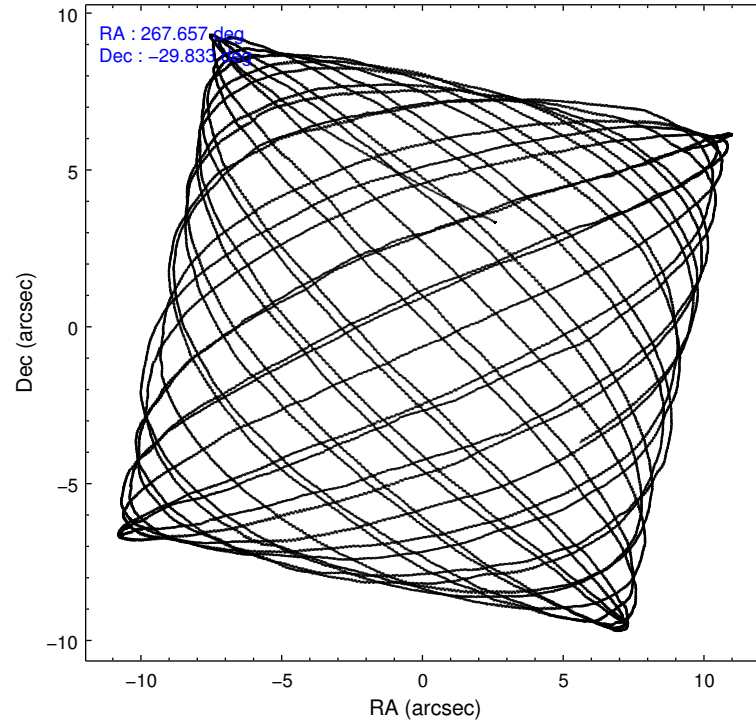
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	146711	147802	161914	156238
rejected events	123183	124921	140210	134502
rejected %	83%	84%	86%	86%

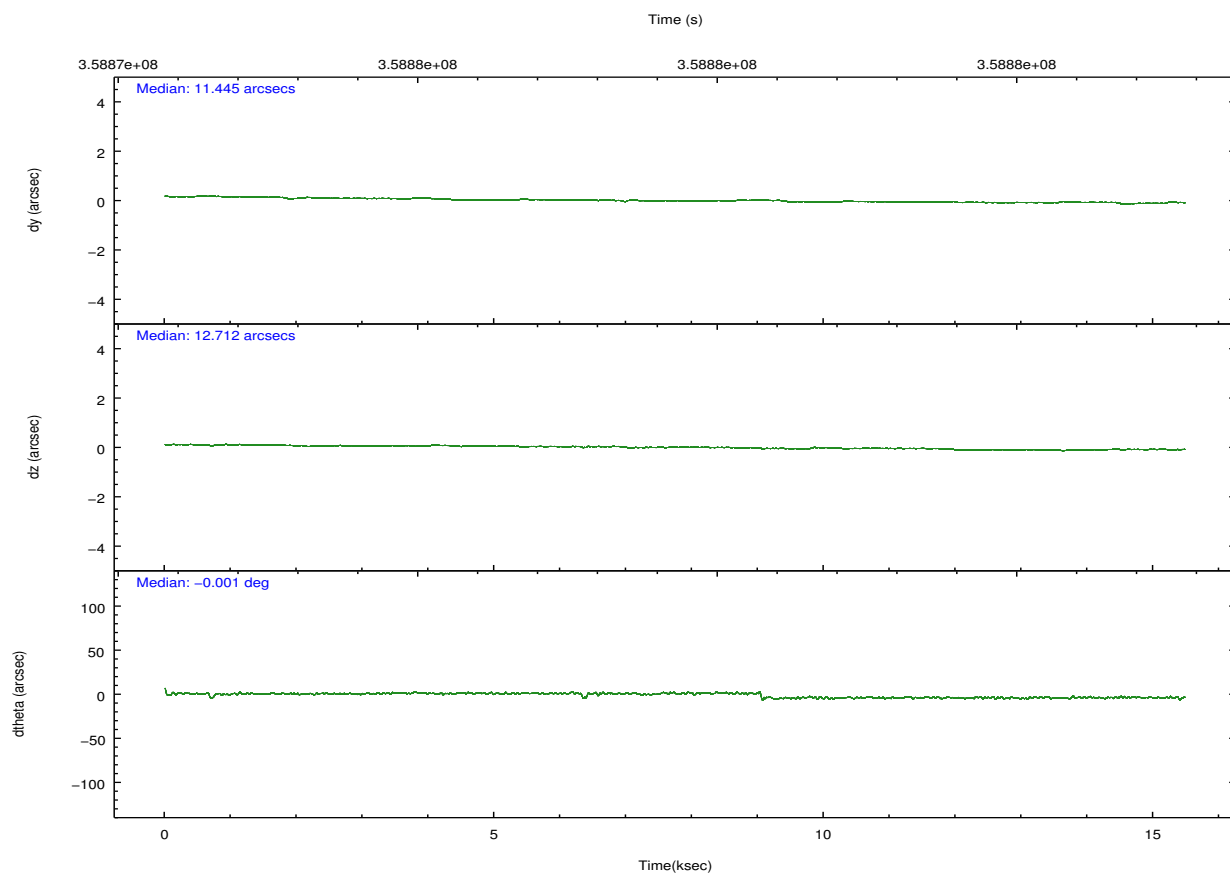
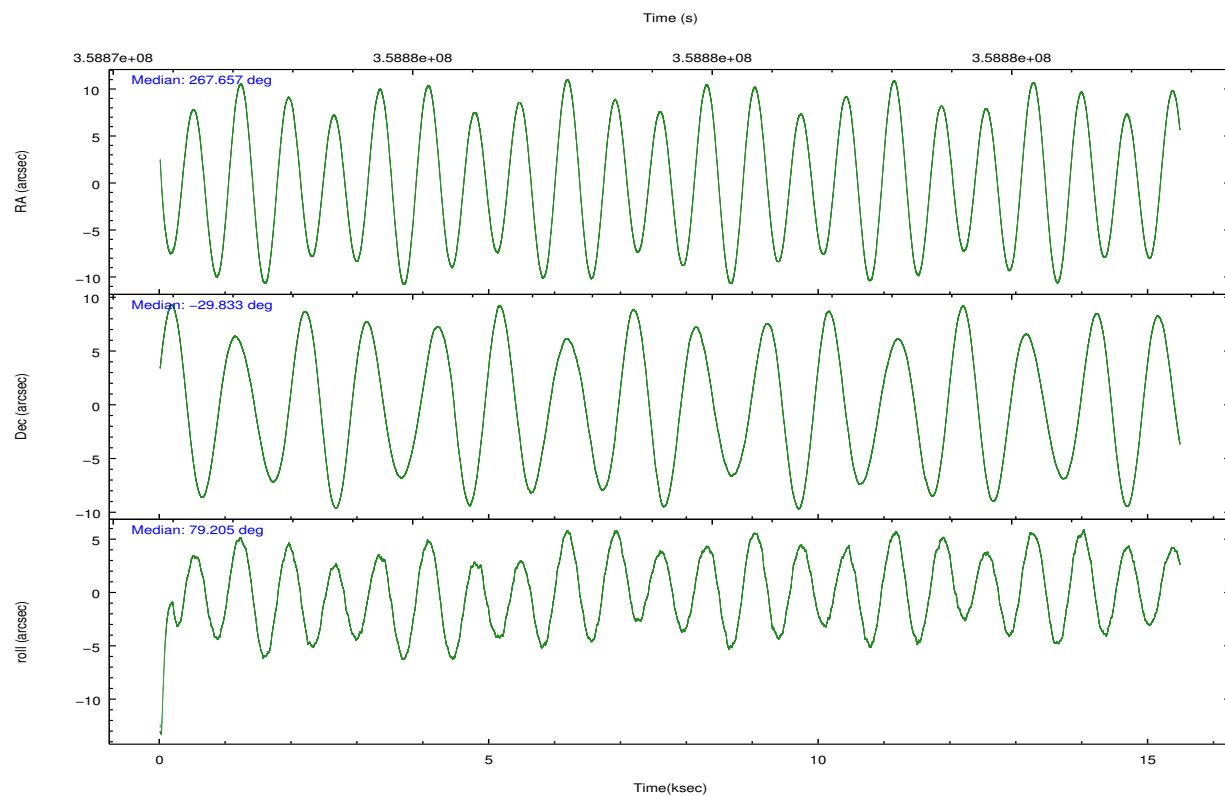
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	11022	9928	10403	10359
	7%	6%	6%	6%
grade 1 events	100	87	122	127
	0%	0%	0%	0%
grade 2 events	5004	5052	4351	4109
	3%	3%	2%	2%
grade 3 events	1974	1969	1823	1869
	1%	1%	1%	1%
grade 4 events	1884	1892	1877	1946
	1%	1%	1%	1%
grade 5 events	6826	7080	6570	7554
	4%	4%	4%	4%
grade 6 events	3653	4045	3258	3461
	2%	2%	2%	2%
grade 7 events	116248	117749	133510	126813
	79%	79%	82%	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	267.667832	267.6572728897049	Subarray requested	NONE	NONE
[deg] Pointing Dec	-29.858492	-29.83250883718681	Alternating exposures requested	N	N
[deg] Pointing Roll	79.004730	79.20816354721936	[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)	358872044.184000	358871025.86702			
Observation start date	2009-05-16T14:39:38	2009-05-16T14:23:45			
[s] Observation end time (MET)	358887044.184000	358887249.05533			
Observation end date	2009-05-16T18:49:38	2009-05-16T18:54:09			
Read mode	TIMED	TIMED			

2.3 Aspect



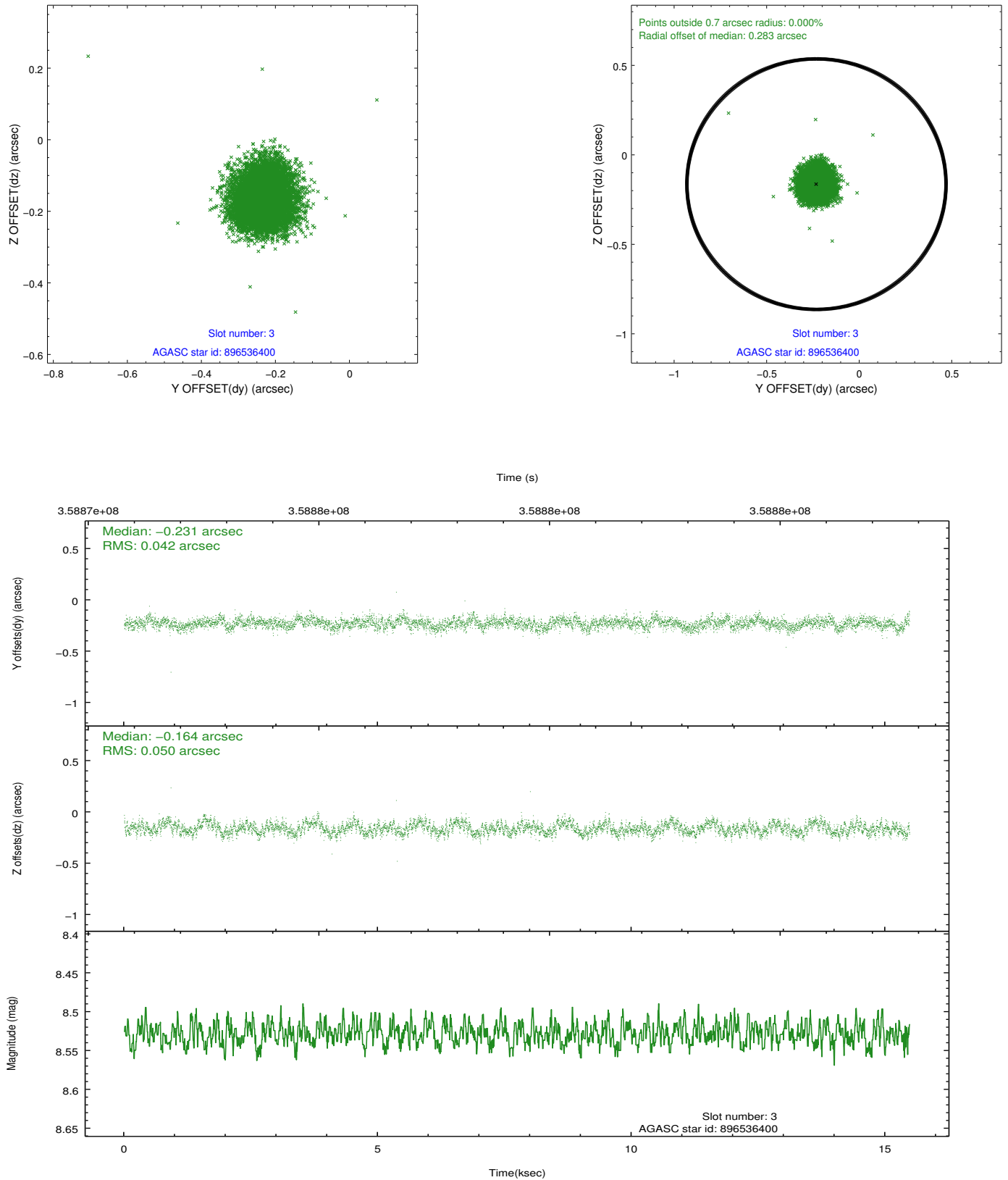


Slot Statistics

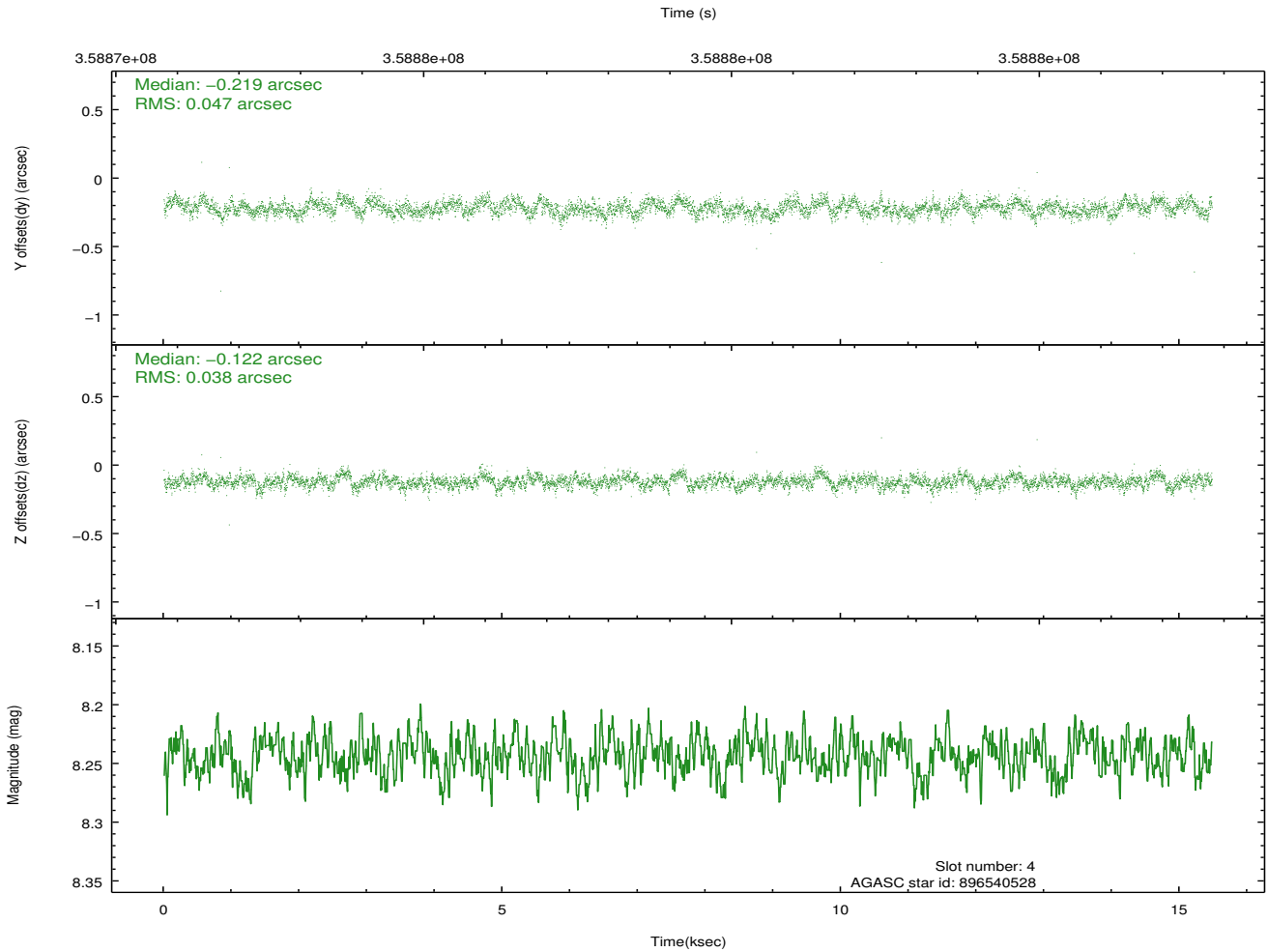
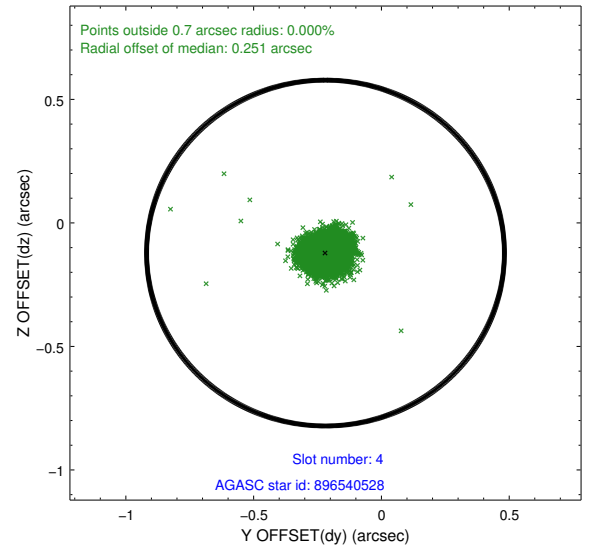
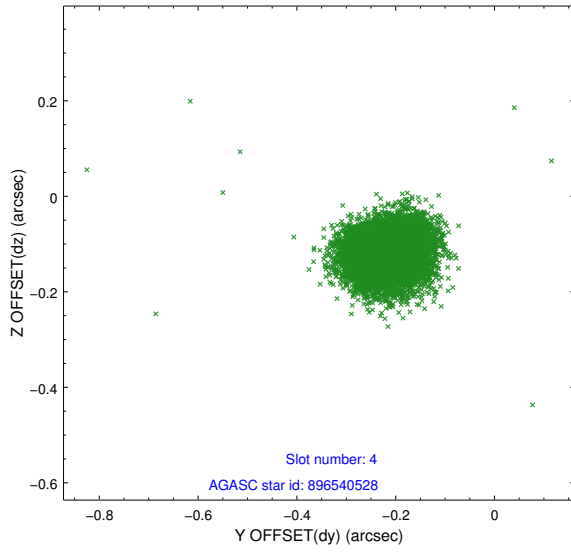
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.01	3775	-0.085	-0.101	0.020	0.029	0.000000	0.000000	-766.16	-842.71
1	FID	ACIS-I-4	7.05	3774	0.185	0.078	0.013	0.019	0.000000	0.000000	2148.05	1063.48
2	FID	ACIS-I-5	7.10	3775	-0.203	0.092	0.019	0.029	0.000000	0.000000	-1819.72	1061.69
3	GUIDE	896536400	8.53	7551	-0.231	-0.164	0.070	0.109	267.359146	-29.438655	1297.45	1238.01
4	GUIDE	896540528	8.24	7545	-0.219	-0.122	0.063	0.101	267.368305	-29.314773	1740.70	1295.84
5	GUIDE	898248800	8.22	7551	0.053	0.139	0.076	0.115	267.977609	-29.931731	-75.50	-998.91
6	GUIDE	966926496	8.10	7546	0.157	-0.085	0.078	0.132	267.109389	-30.299474	-1893.83	1400.41
7	GUIDE	967057128	9.31	7501	0.244	0.241	0.113	0.184	267.996939	-30.494743	-2055.20	-1439.03

2.4 Star Slots

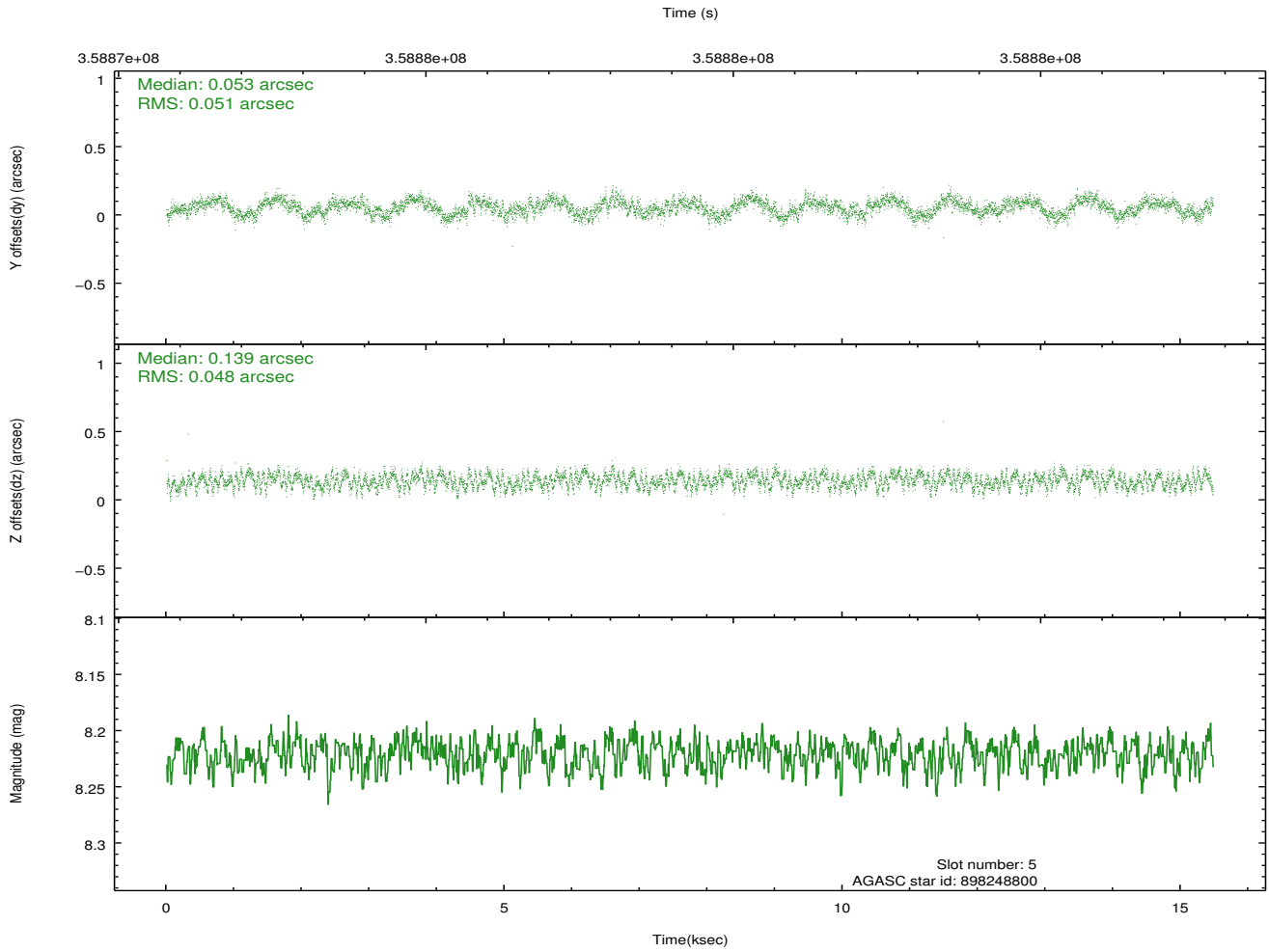
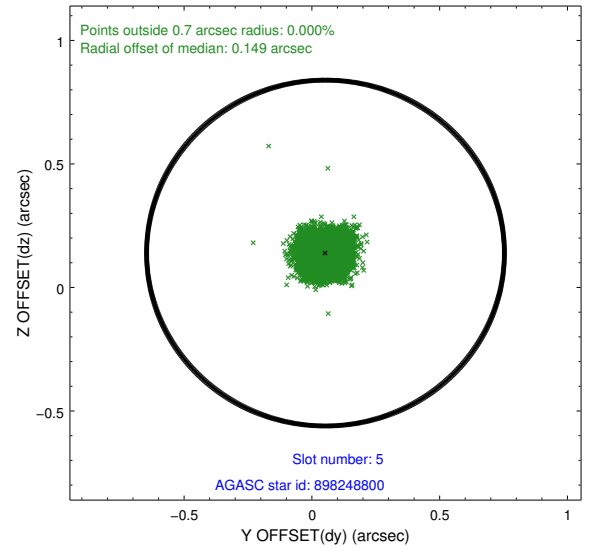
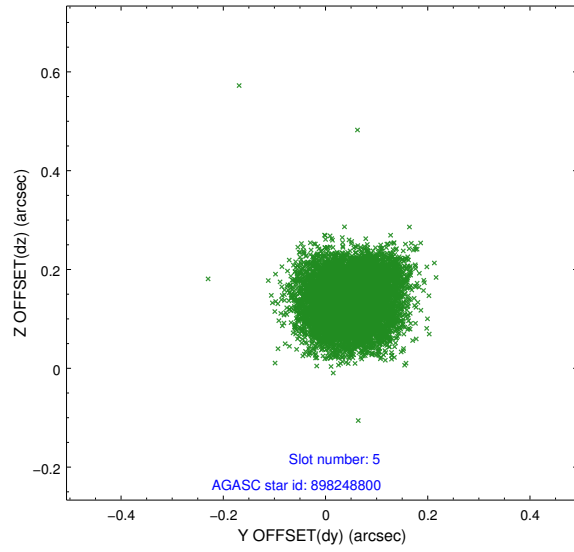
2.4.1 Slot 3



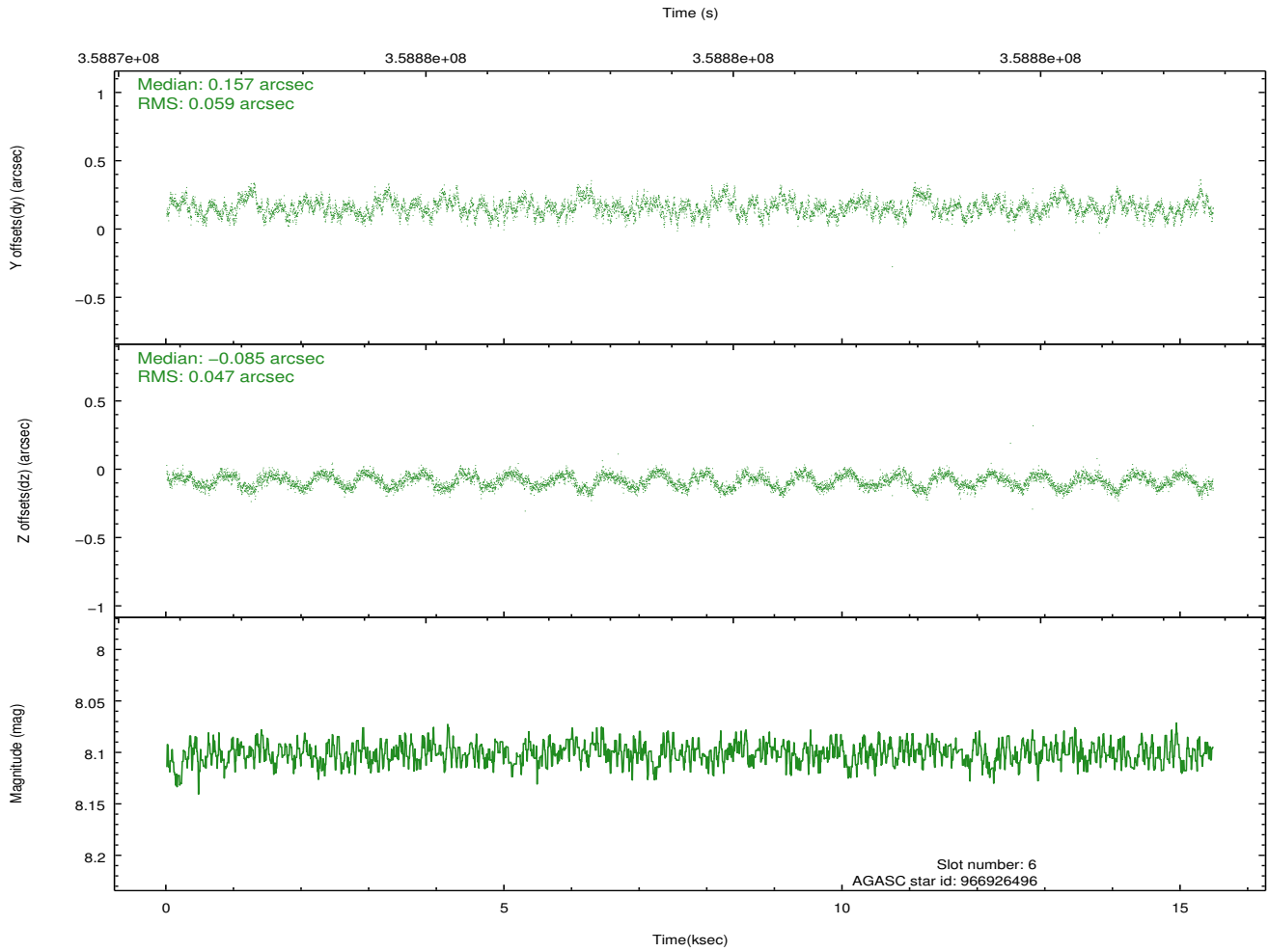
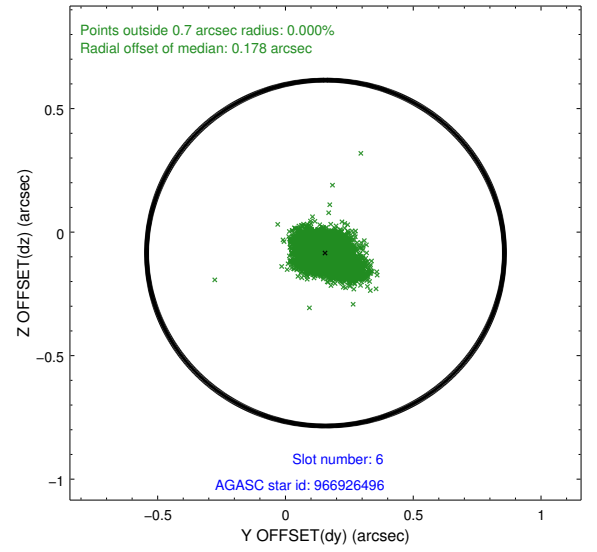
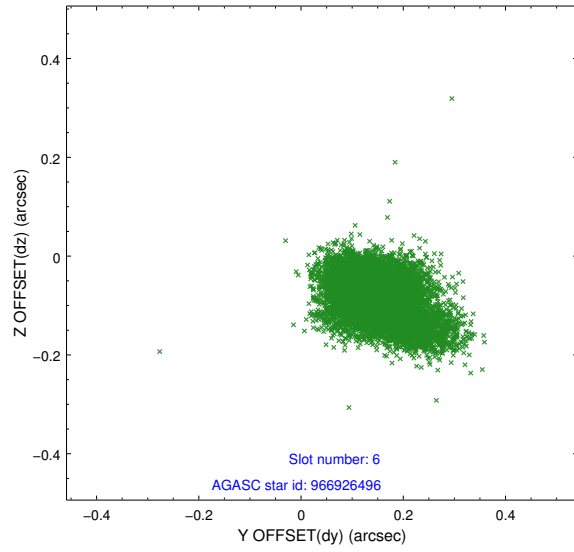
2.4.2 Slot 4



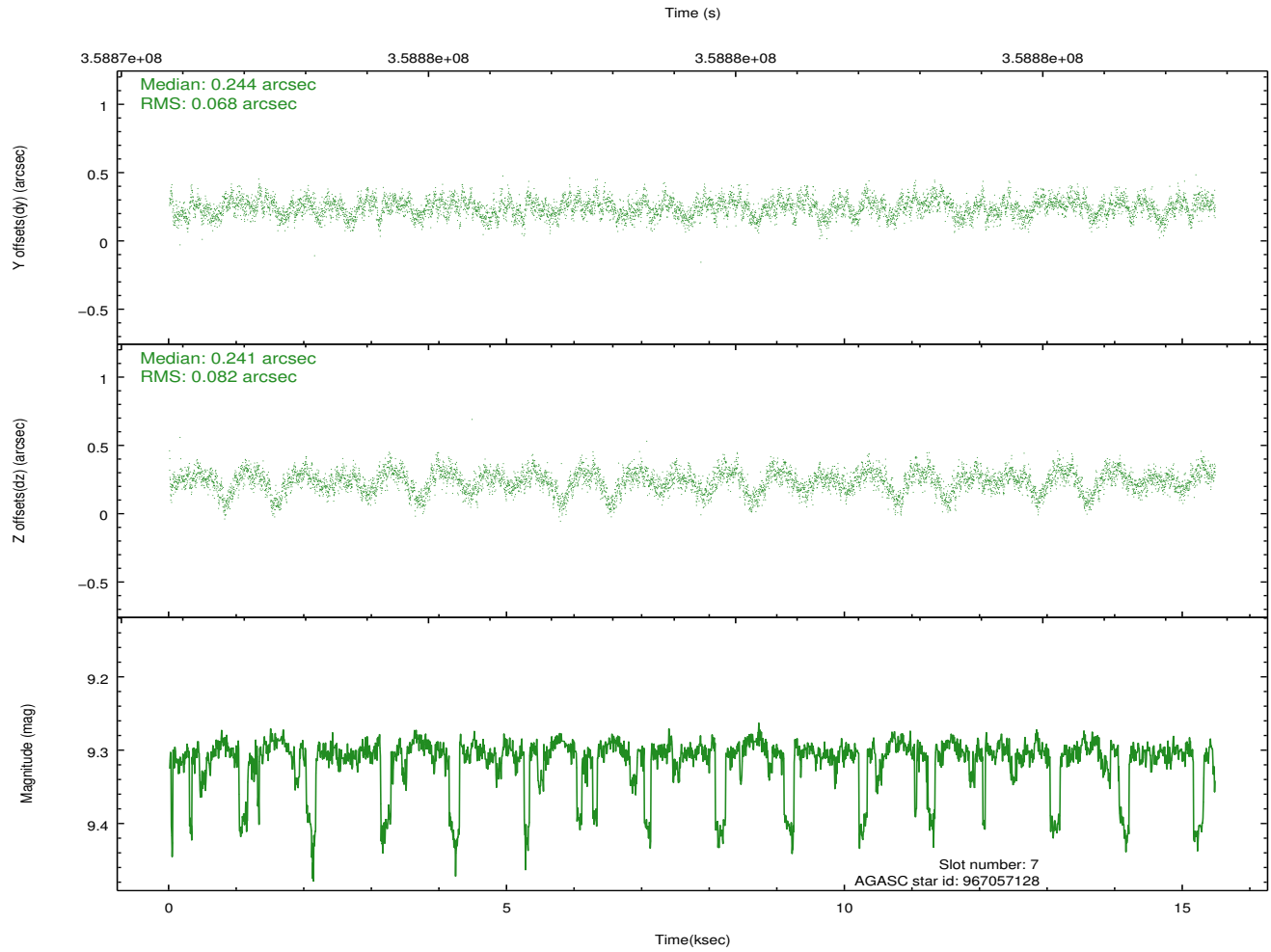
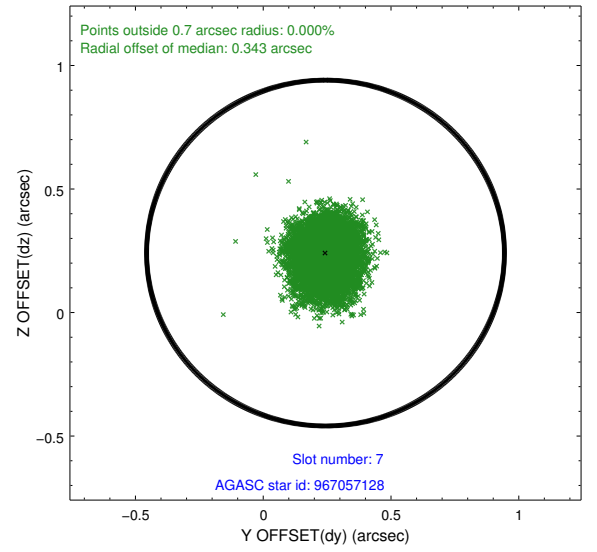
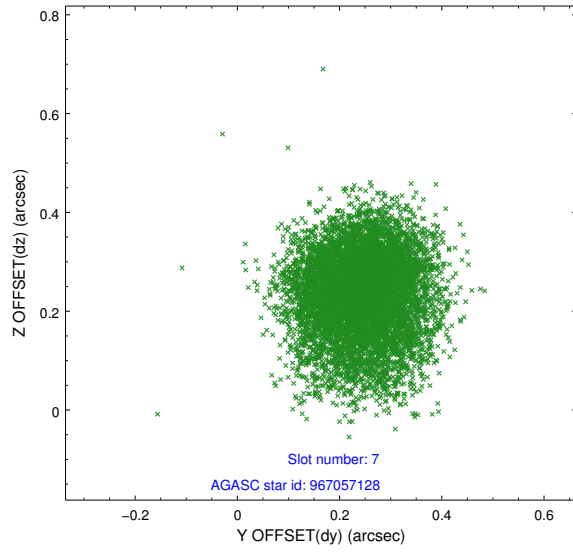
2.4.3 Slot 5



2.4.4 Slot 6

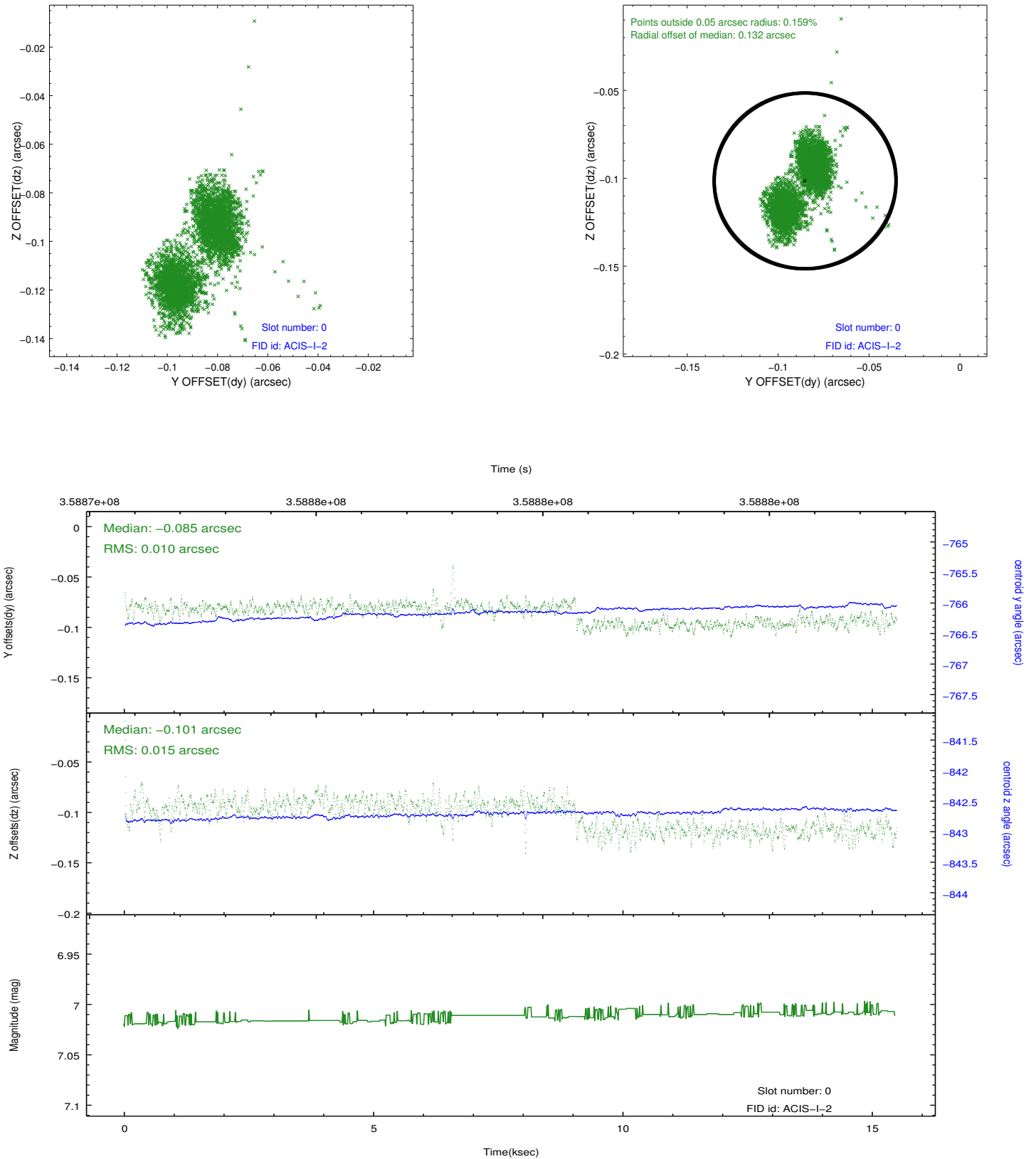


2.4.5 Slot 7

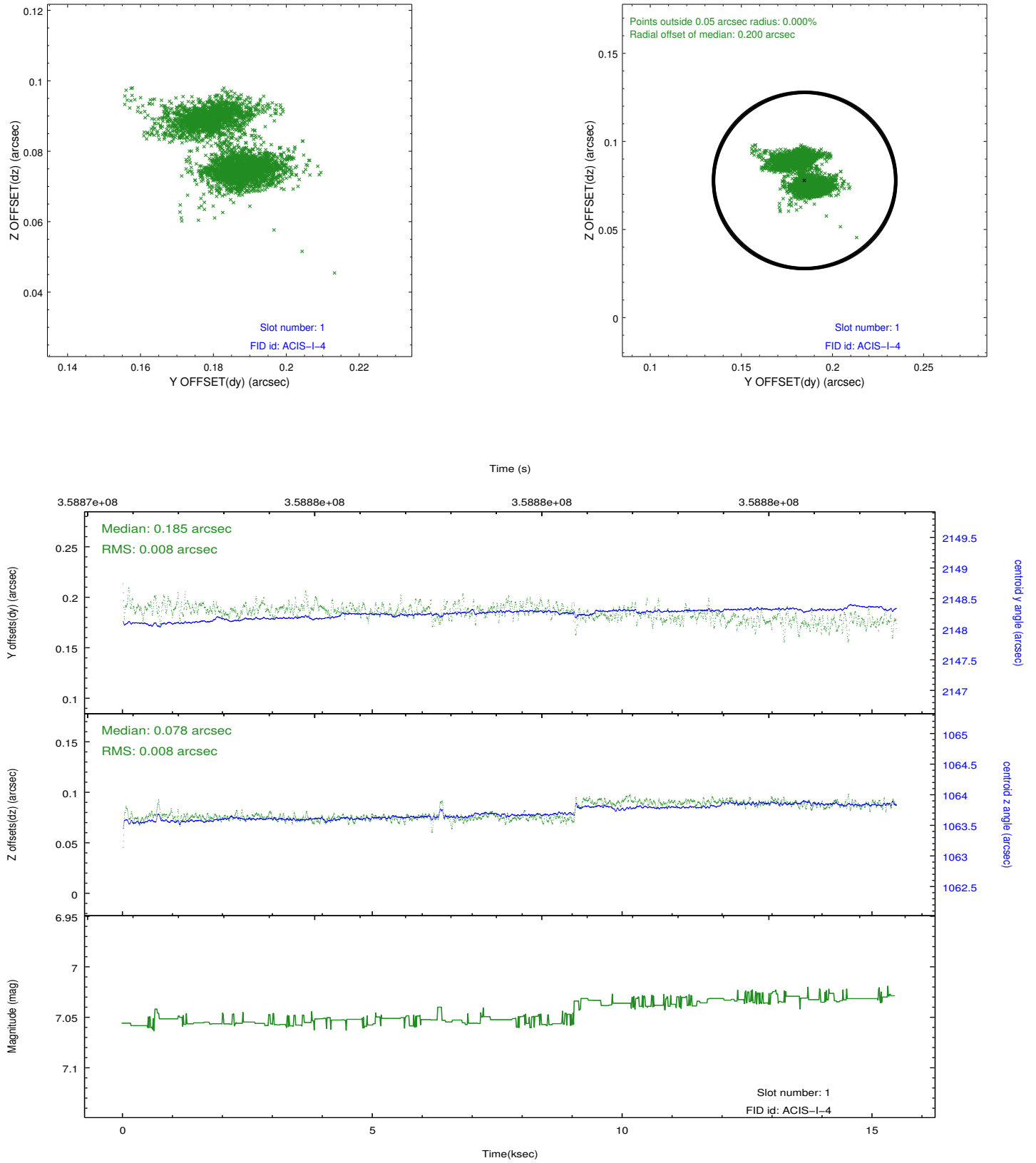


2.5 FID Slots

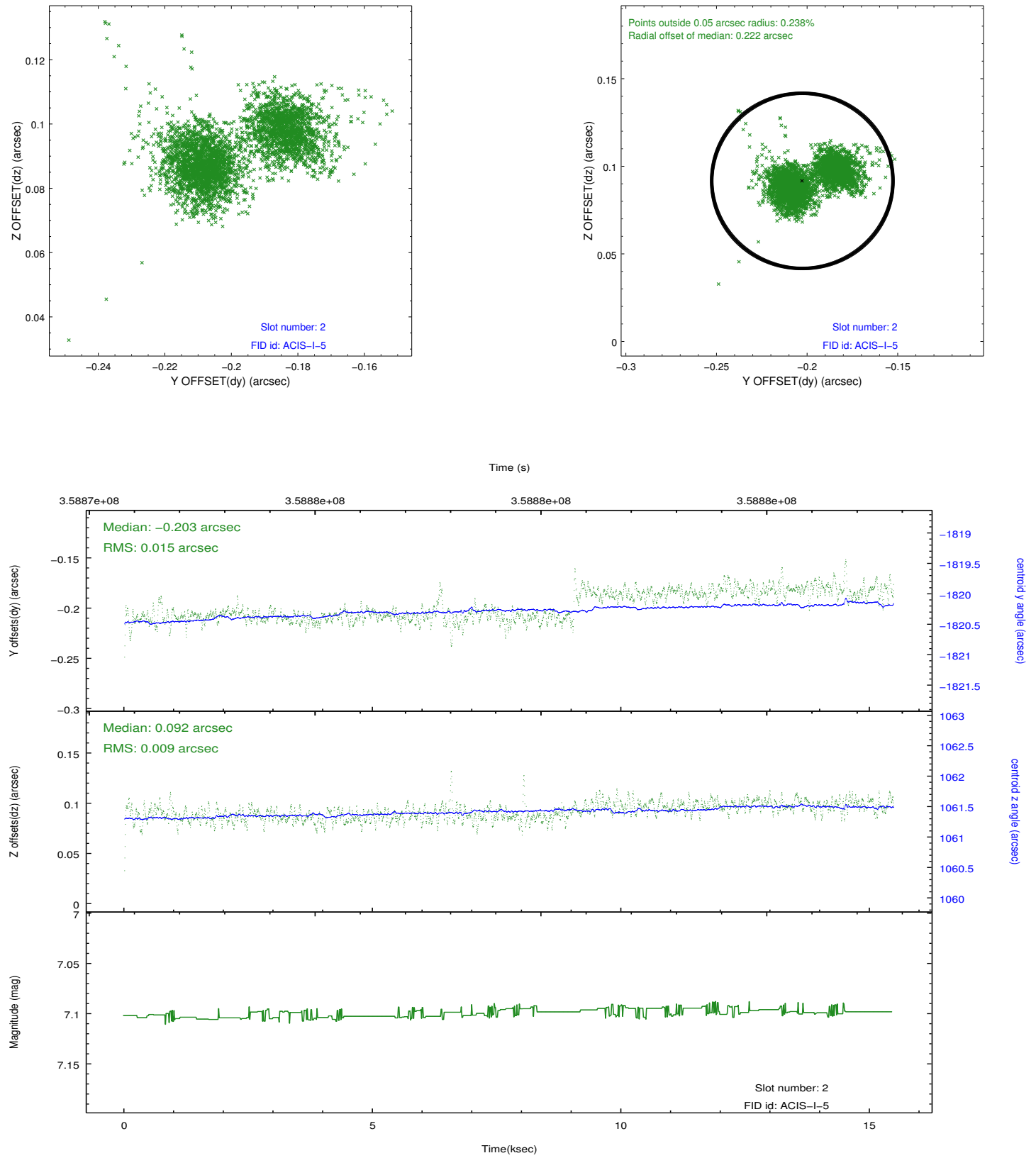
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.06.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.0567001

A.2 Comments

Joint proposal with NOAO.