

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3100 - L2 Version 3
Chandra X-Ray Center

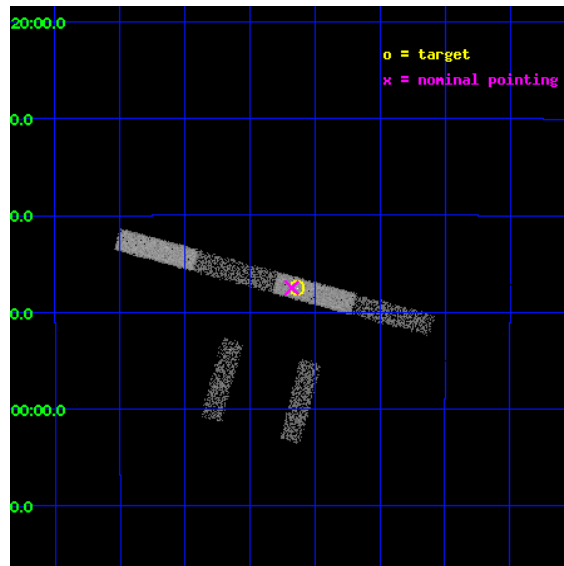
L2 Processing Date : Oct 3 2012

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1 Front

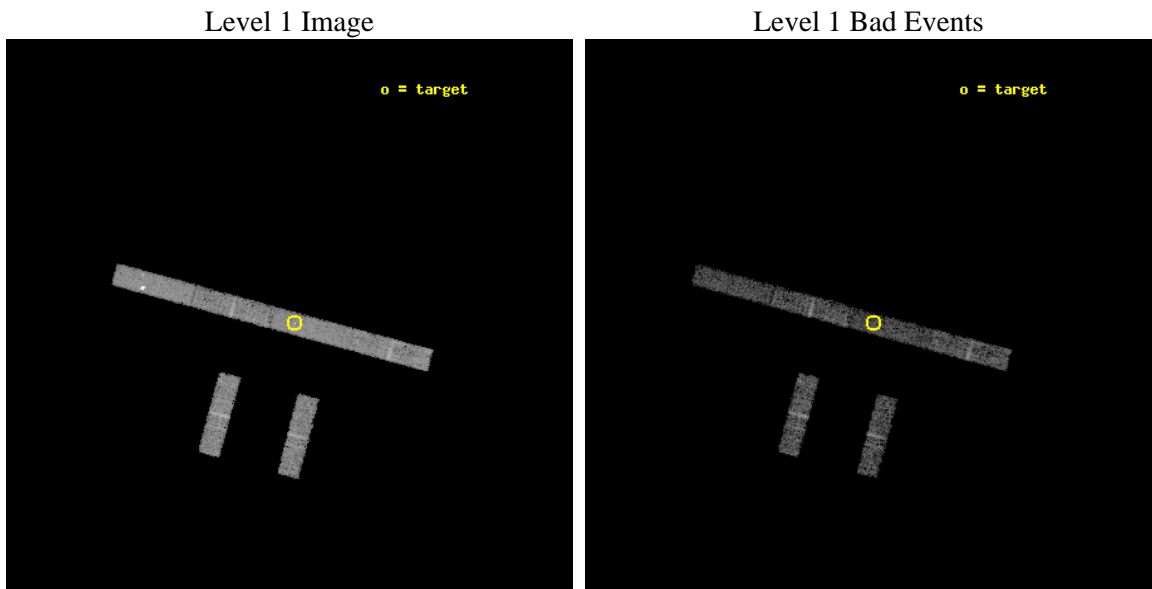
seq_num	700539	Sequence number
obs_id	3100	Observation id
title	X-RAY IMAGING OF GPS AND CSS QUASARS	Proposal title
observer	Dr. Aneta Siemiginowska	Principal investigator
object	Q1143-245	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	176.53375	Observer's specified target RA [deg]
dec_targ	-24.7925	Observer's specified target Dec [deg]
ra_nom	176.54440939586	Nominal RA [deg]
dec_nom	-24.791674654652	Nominal Dec [deg]
roll_nom	15.1752517485	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5139.1999721527	Sum of GTIs [s]
livetime	4954.3574014653	Livetime [s]
ontime2	5139.1999721527	Sum of GTIs [s]
ontime3	5139.1999721527	Sum of GTIs [s]
ontime5	5139.1999721527	Sum of GTIs [s]
ontime6	5139.1999721527	Sum of GTIs [s]
ontime7	5139.1999721527	Sum of GTIs [s]
ontime8	5139.1999721527	Sum of GTIs [s]
l2events	14789	Number of level 2 events



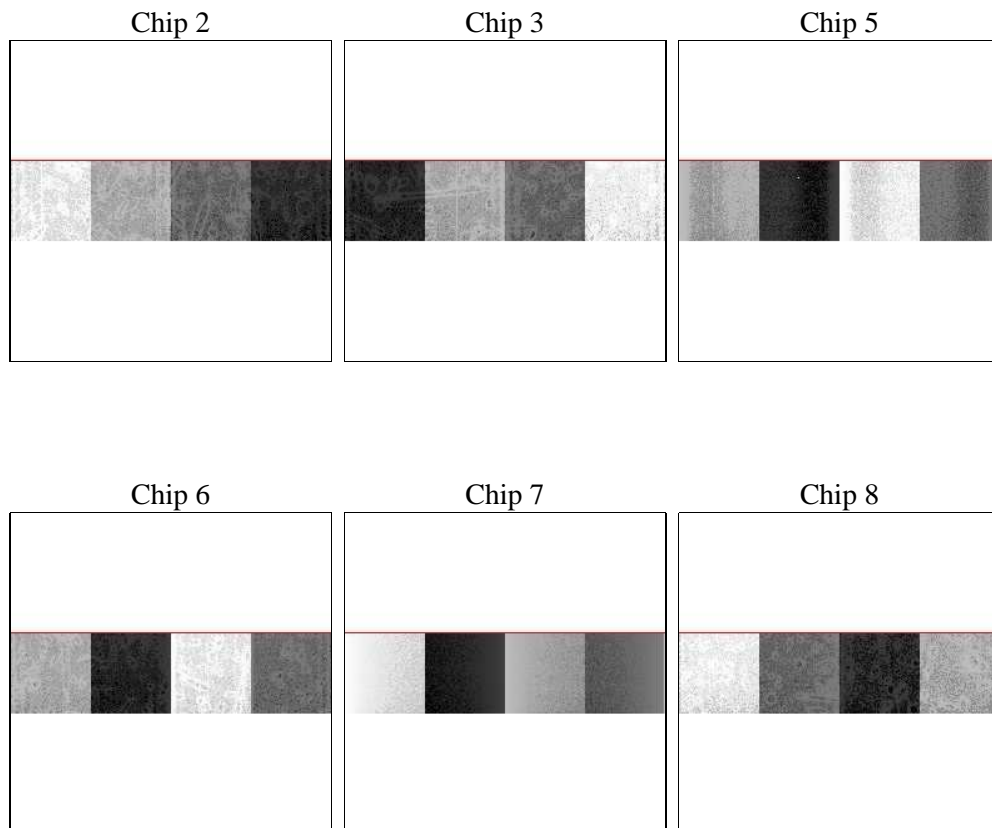
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5139.1999721527	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	5139.1999721527	Sum of GTIs [s]
date	2012-10-03T03:36:48	Date and time of file creation	ontime3	5139.1999721527	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	5139.1999721527	Sum of GTIs [s]
			ontime6	5139.1999721527	Sum of GTIs [s]
			ontime7	5139.1999721527	Sum of GTIs [s]
			ontime8	5139.1999721527	Sum of GTIs [s]
			l1events	91782	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	14691	11860	20986	13027	14961	16257
rejected events	13517	10723	10938	11838	9651	13614
rejected %	92%	90%	52%	90%	64%	83%

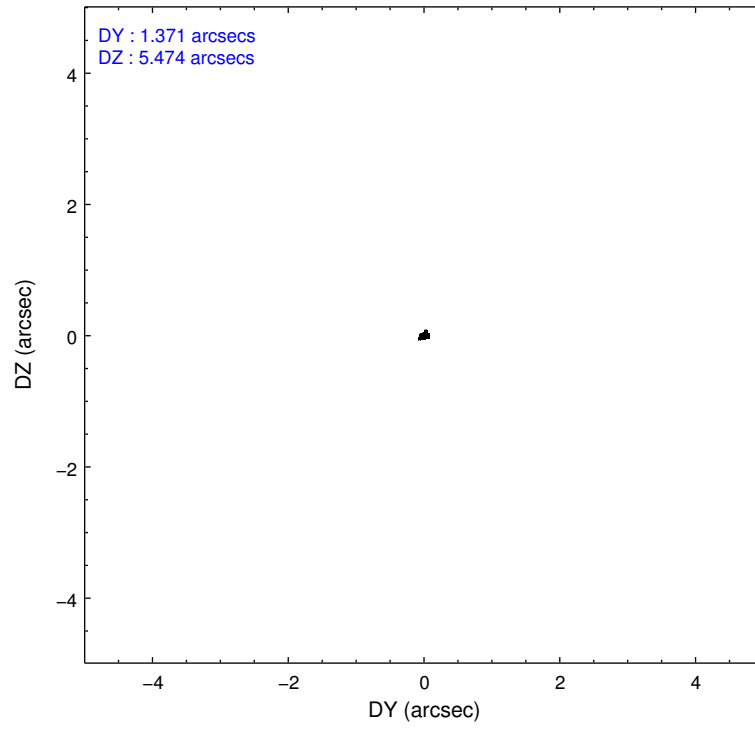
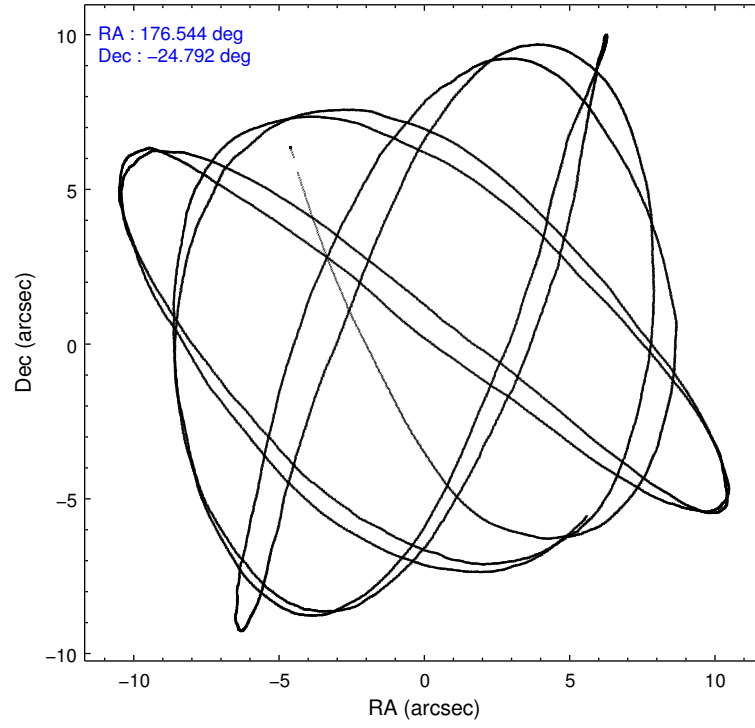
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	502	536	5742	513	730	976
	3%	4%	27%	3%	4%	6%
grade 1 events	2	4	22	5	19	7
	0%	0%	0%	0%	0%	0%
grade 2 events	321	266	2147	271	1345	601
	2%	2%	10%	2%	8%	3%
grade 3 events	174	189	446	205	714	441
	1%	1%	2%	1%	4%	2%
grade 4 events	208	173	383	209	661	430
	1%	1%	1%	1%	4%	2%
grade 5 events	424	428	1197	485	1363	550
	2%	3%	5%	3%	9%	3%
grade 6 events	245	227	3682	244	3102	854
	1%	1%	17%	1%	20%	5%
grade 7 events	12815	10037	7367	11095	7027	12398
	87%	84%	35%	85%	46%	76%

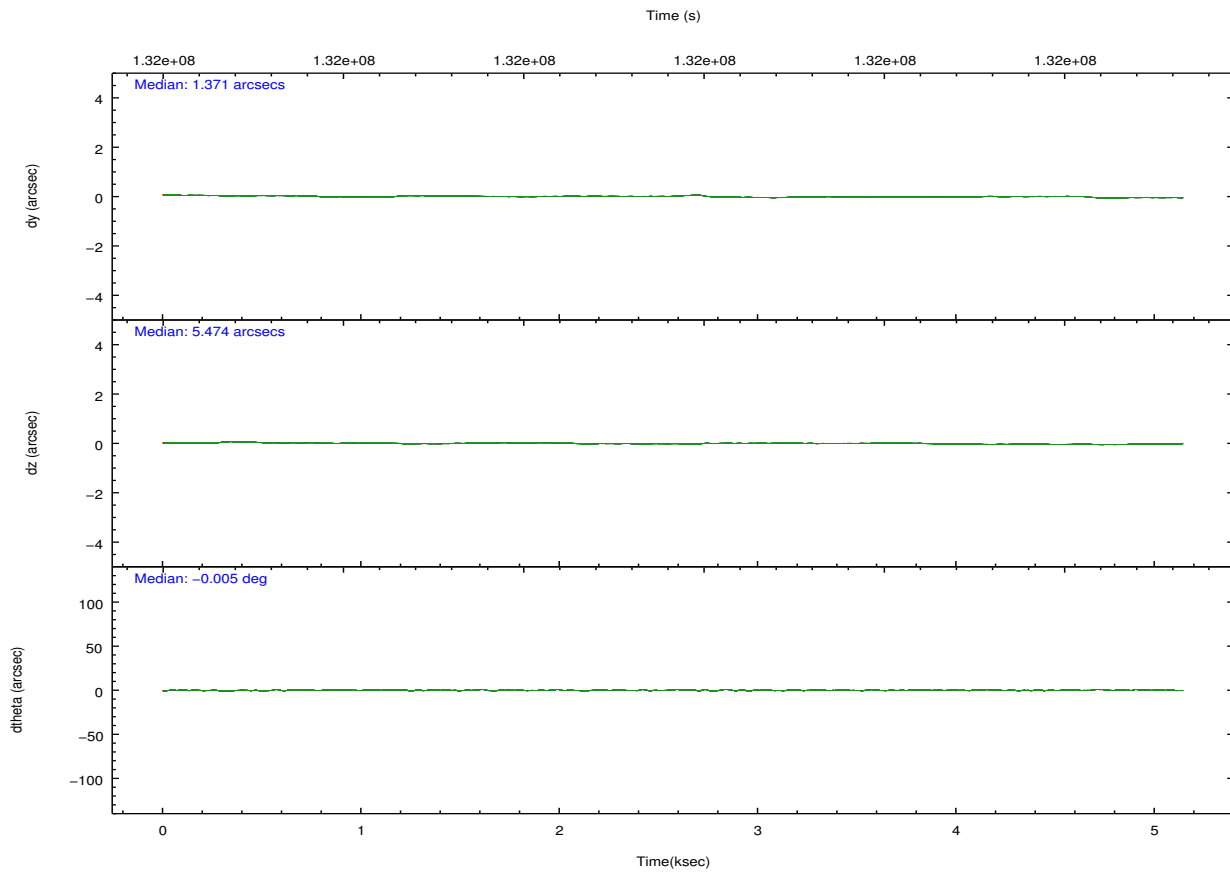
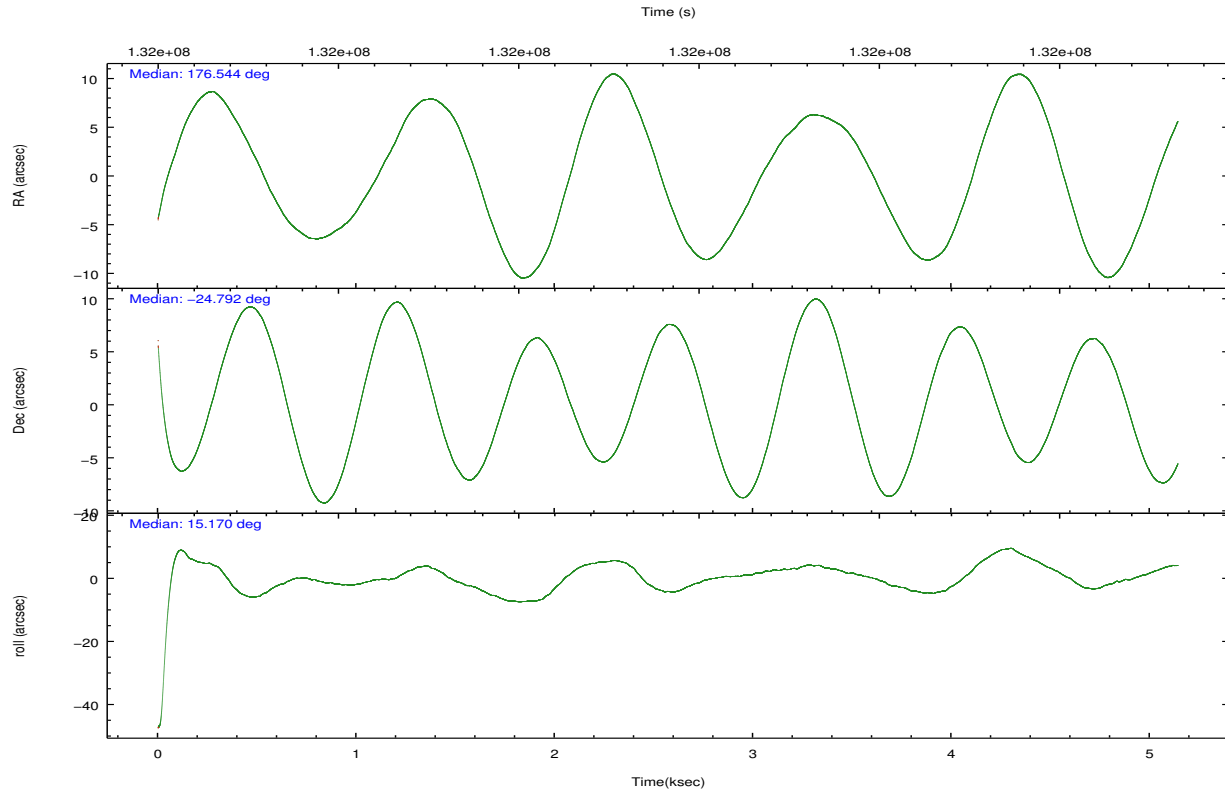
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-235678	ACIS-235678
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	176.523500	176.544409395856
[deg] Pointing Dec	-24.811212	-24.79167465465207
[deg] Pointing Roll	15.009986	15.17525174849969
[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)	131997401.184000	131996056.1318
Observation start date	2002-03-08T17:55:37	2002-03-08T17:34:16
[s] Observation end time (MET)	132002401.184000	132002864.69458
Observation end date	2002-03-08T19:18:57	2002-03-08T19:27:44
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	CUSTOM	1/4
Subarray start row	385	385
Subarray row count	256	256
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	1.1

2.3 Aspect



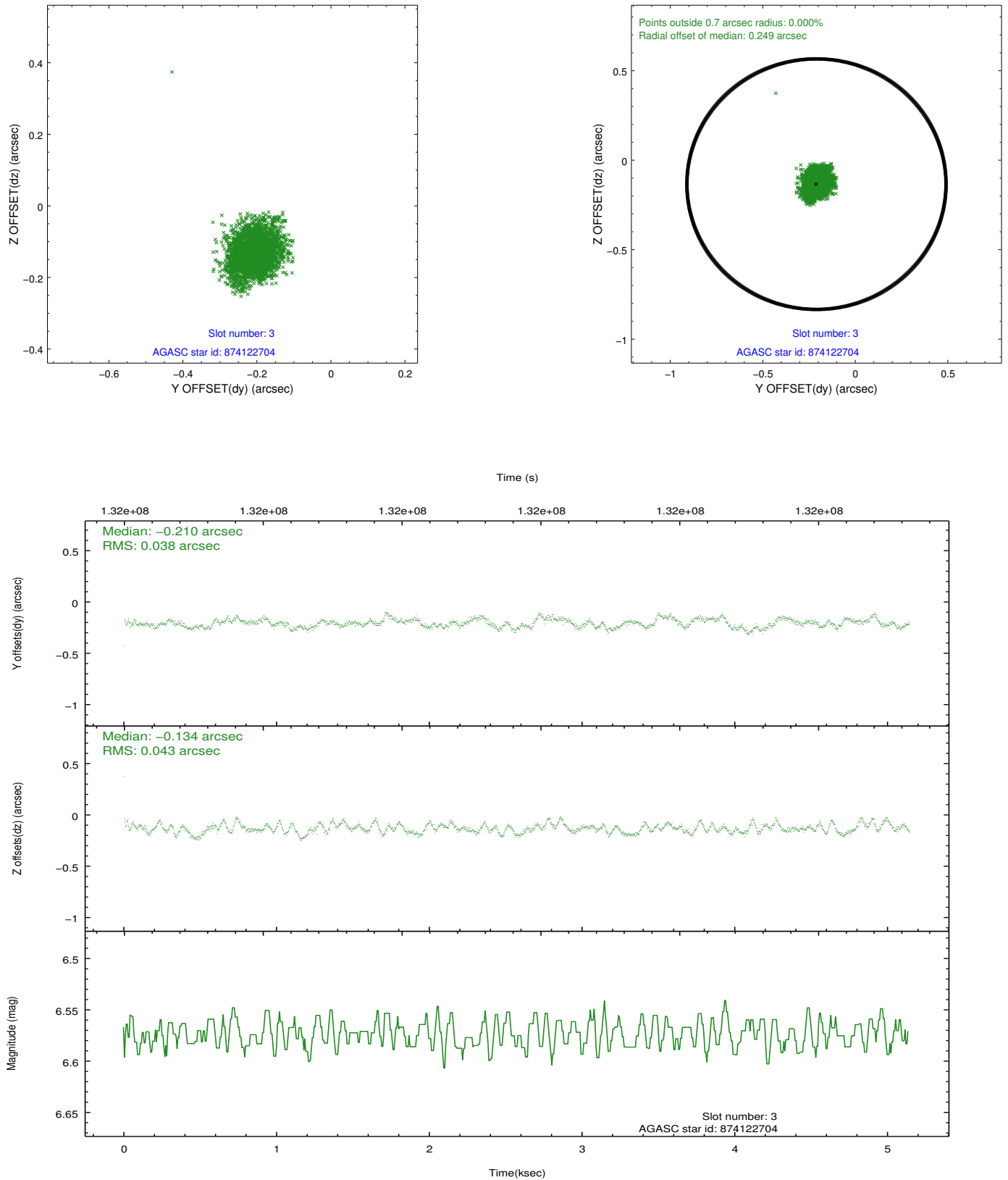


Slot Statistics

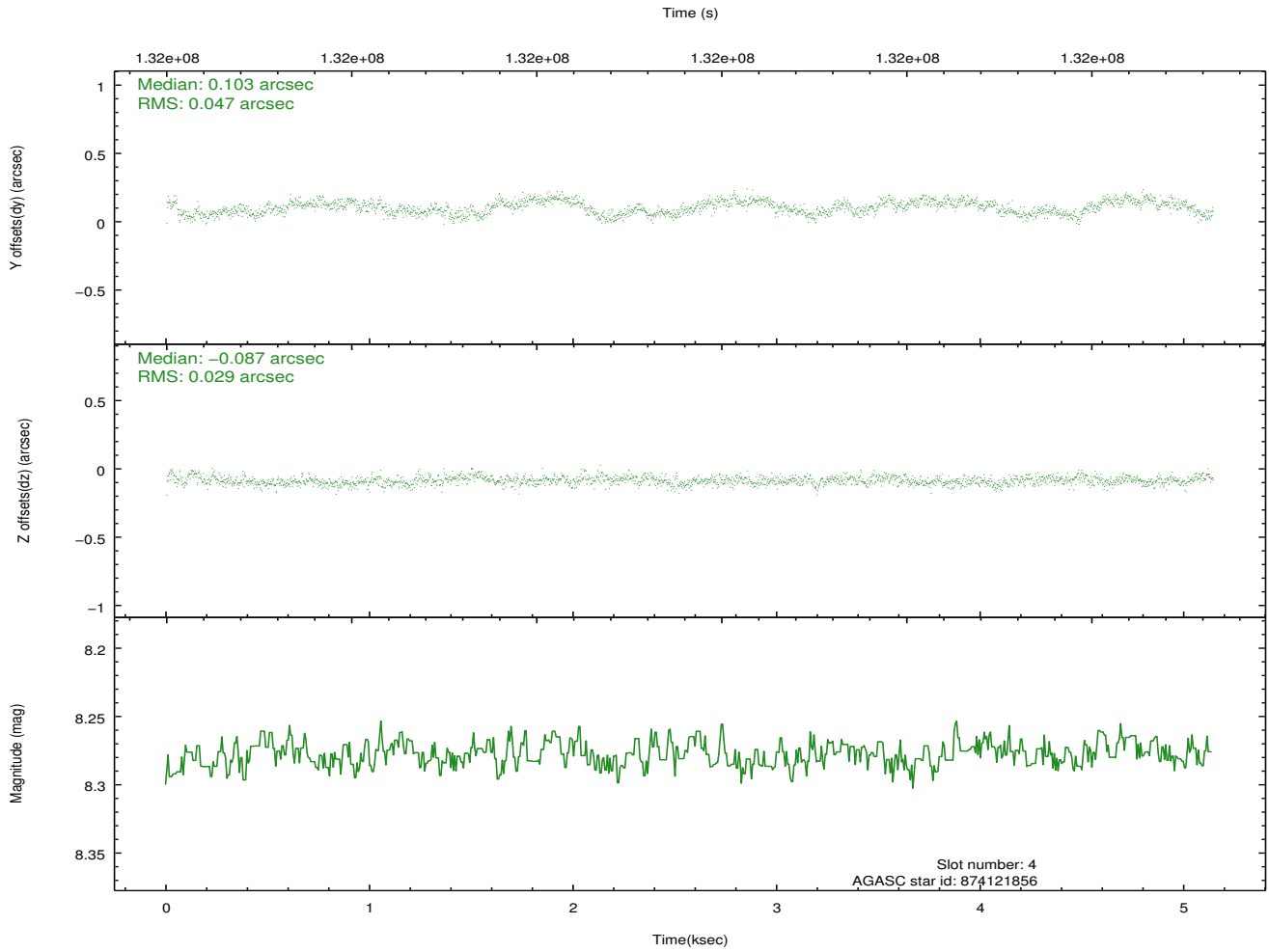
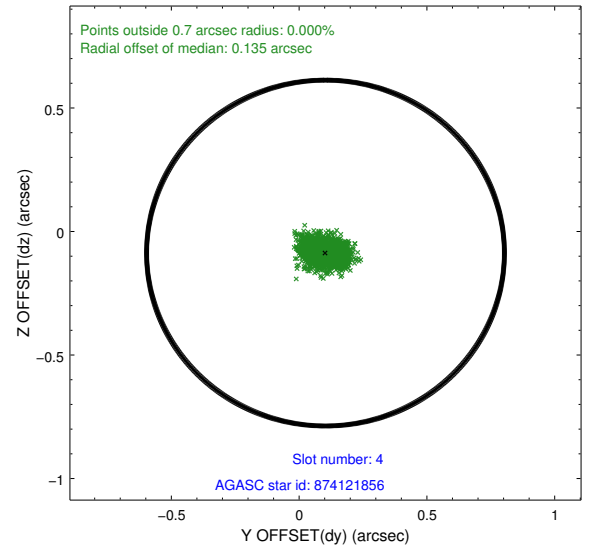
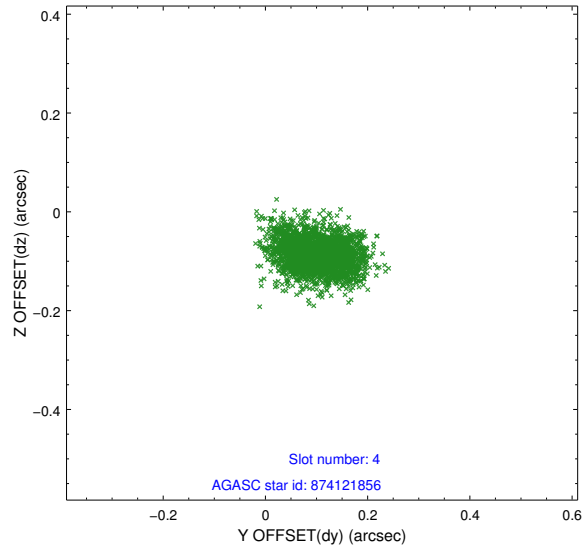
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	1255	-0.054	0.002	0.006	0.011	0.000000	0.000000	-753.98	-1726.61
1	FID	ACIS-S-4	7.21	1255	-0.008	0.025	0.006	0.010	0.000000	0.000000	2158.77	180.75
2	FID	ACIS-S-5	7.24	1255	0.030	-0.018	0.006	0.011	0.000000	0.000000	-1805.26	175.62
3	GUIDE	874122704	6.57	2509	-0.210	-0.134	0.060	0.098	176.621779	-24.484403	615.09	1052.66
4	GUIDE	874121856	8.28	2509	0.103	-0.087	0.059	0.094	175.838313	-24.758064	-2115.43	759.52
5	GUIDE	874124696	8.22	2509	-0.078	0.073	0.105	0.162	177.127078	-25.085872	1642.54	-1468.58
6	GUIDE	874127440	9.87	2507	-0.043	0.150	0.101	0.171	176.981451	-25.281076	1001.69	-2022.81
7	GUIDE	874123520	9.91	2431	0.232	-0.003	0.115	0.181	175.983547	-24.532742	-1449.03	1421.74

2.4 Star Slots

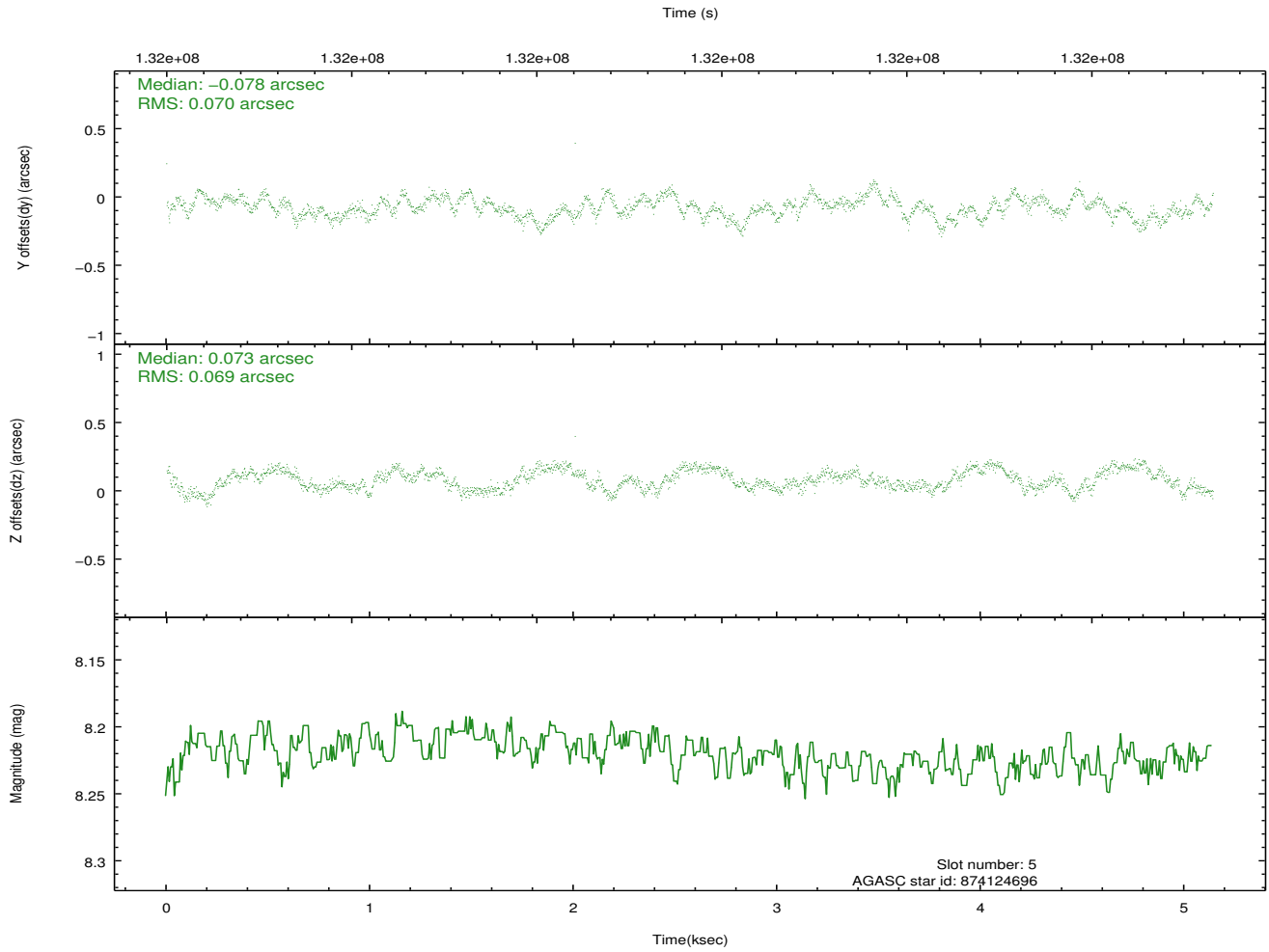
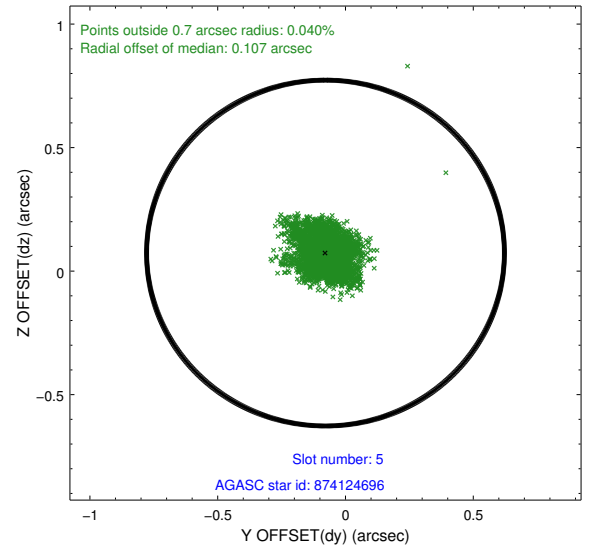
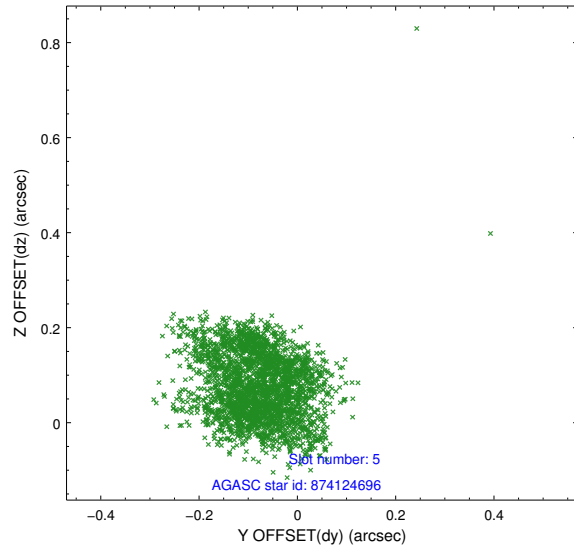
2.4.1 Slot 3



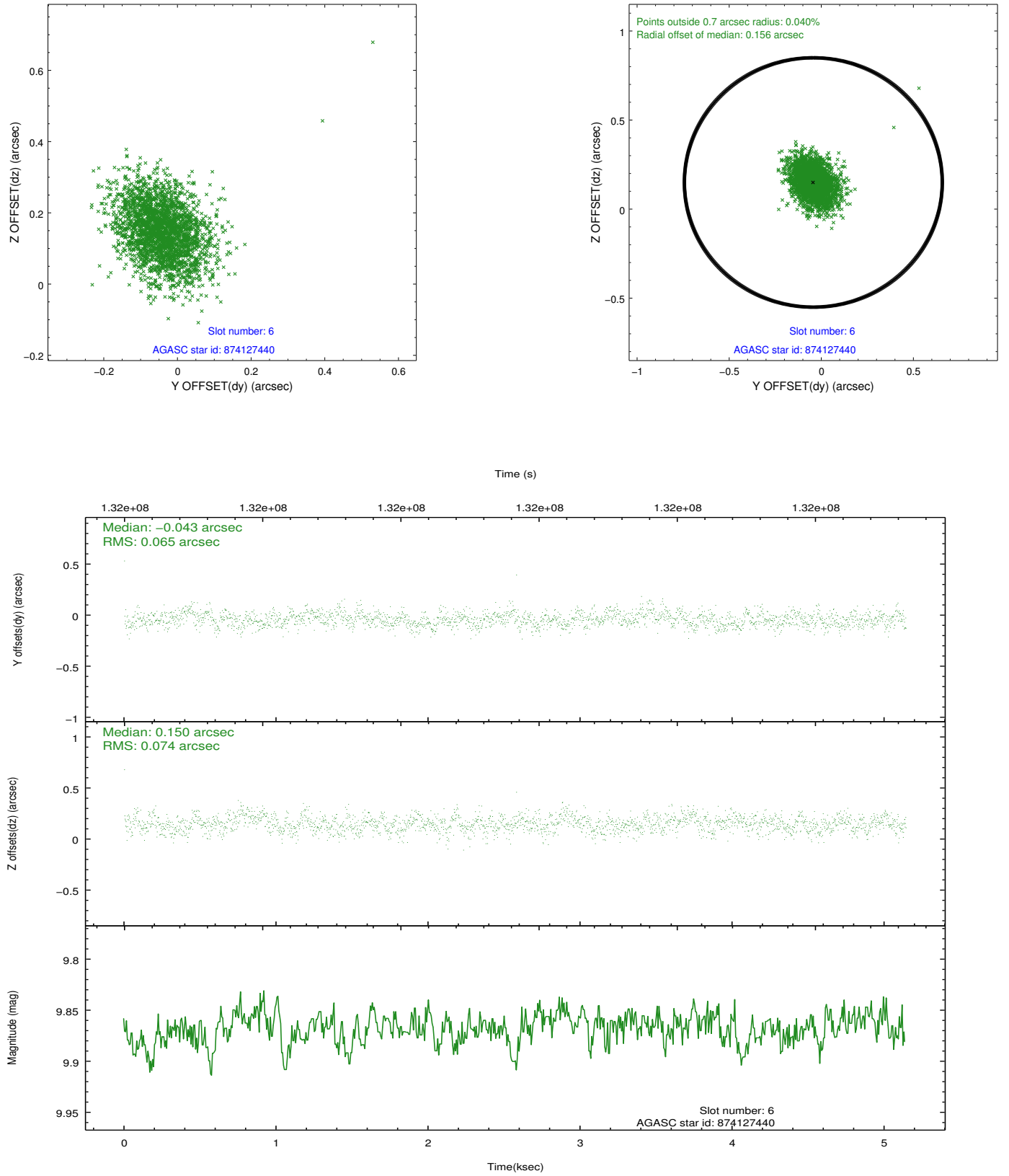
2.4.2 Slot 4



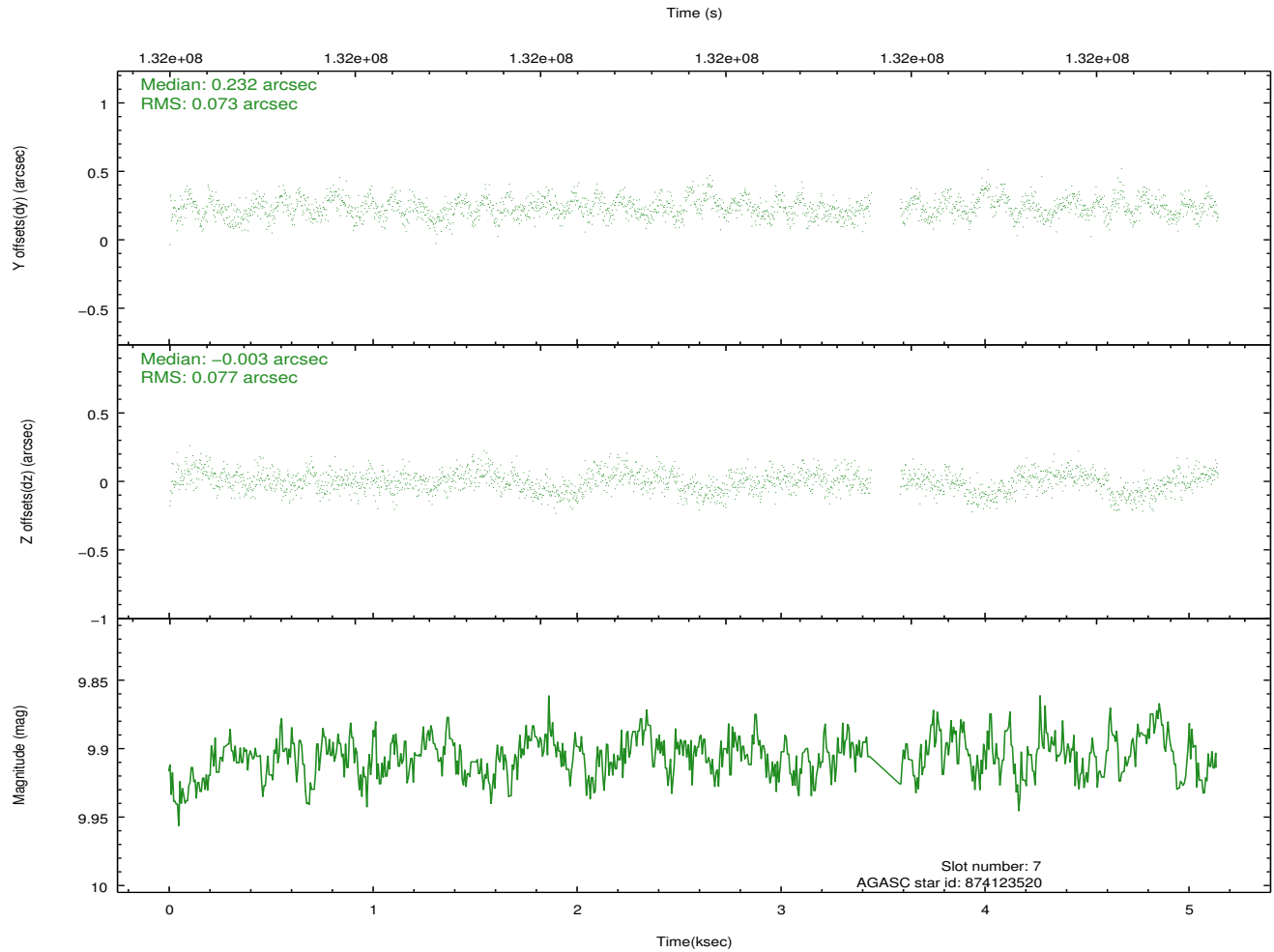
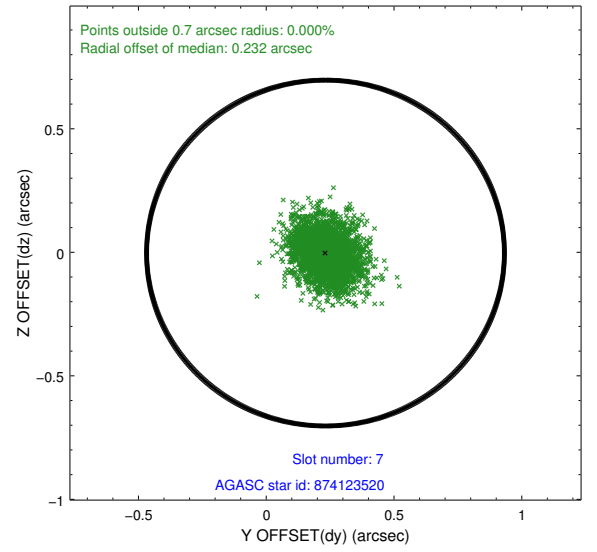
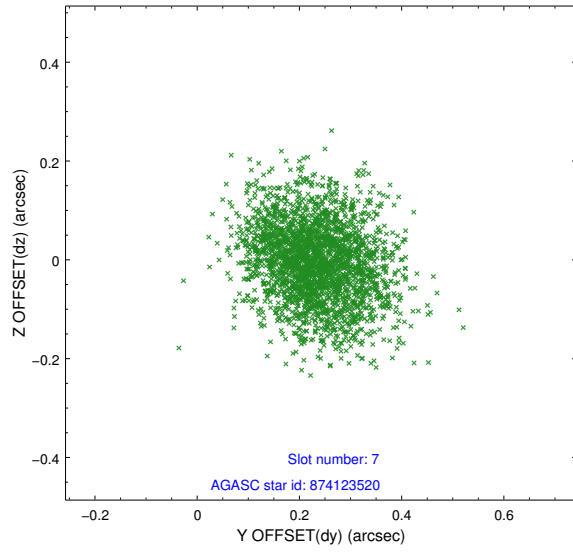
2.4.3 Slot 5



2.4.4 Slot 6

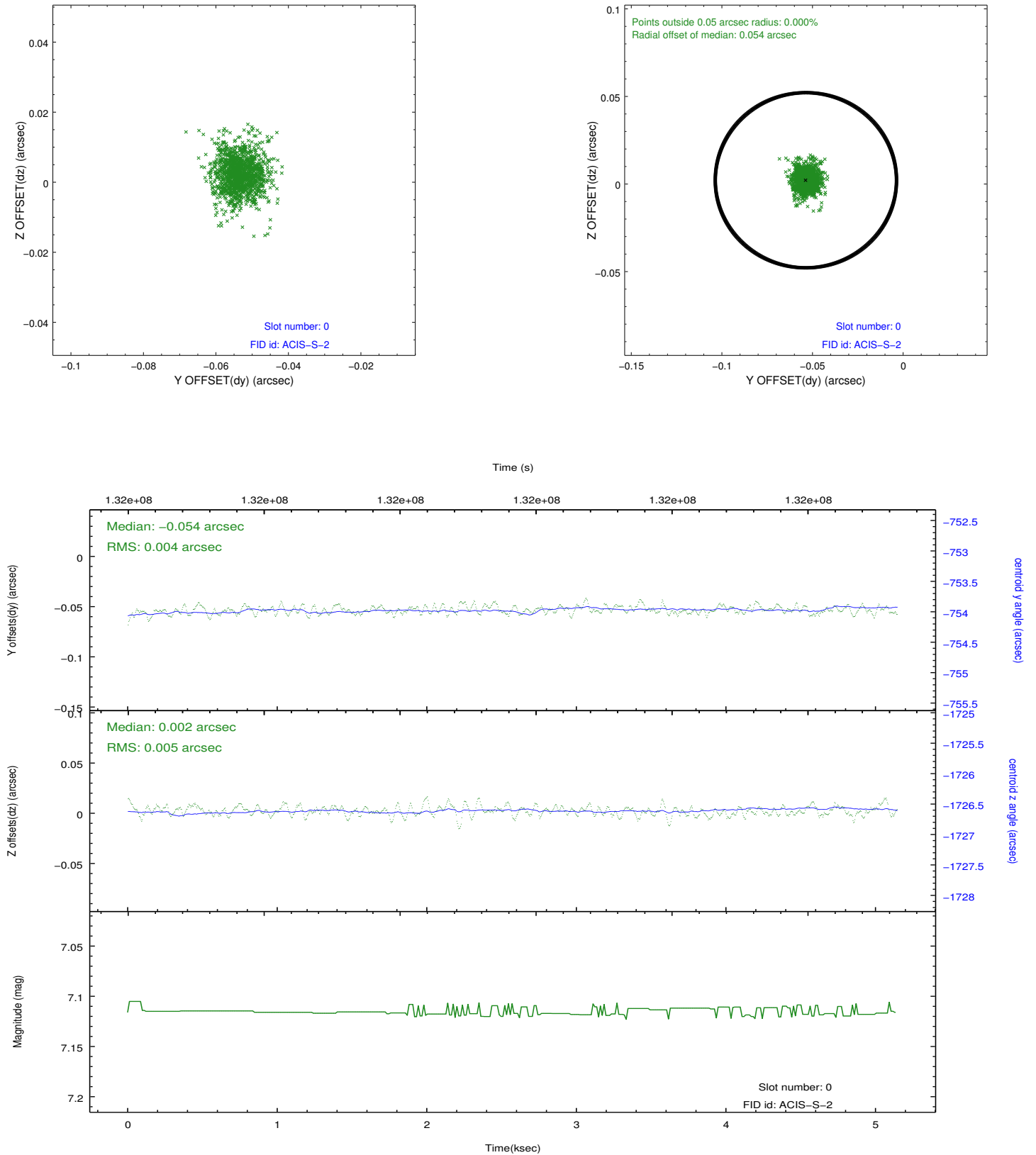


2.4.5 Slot 7

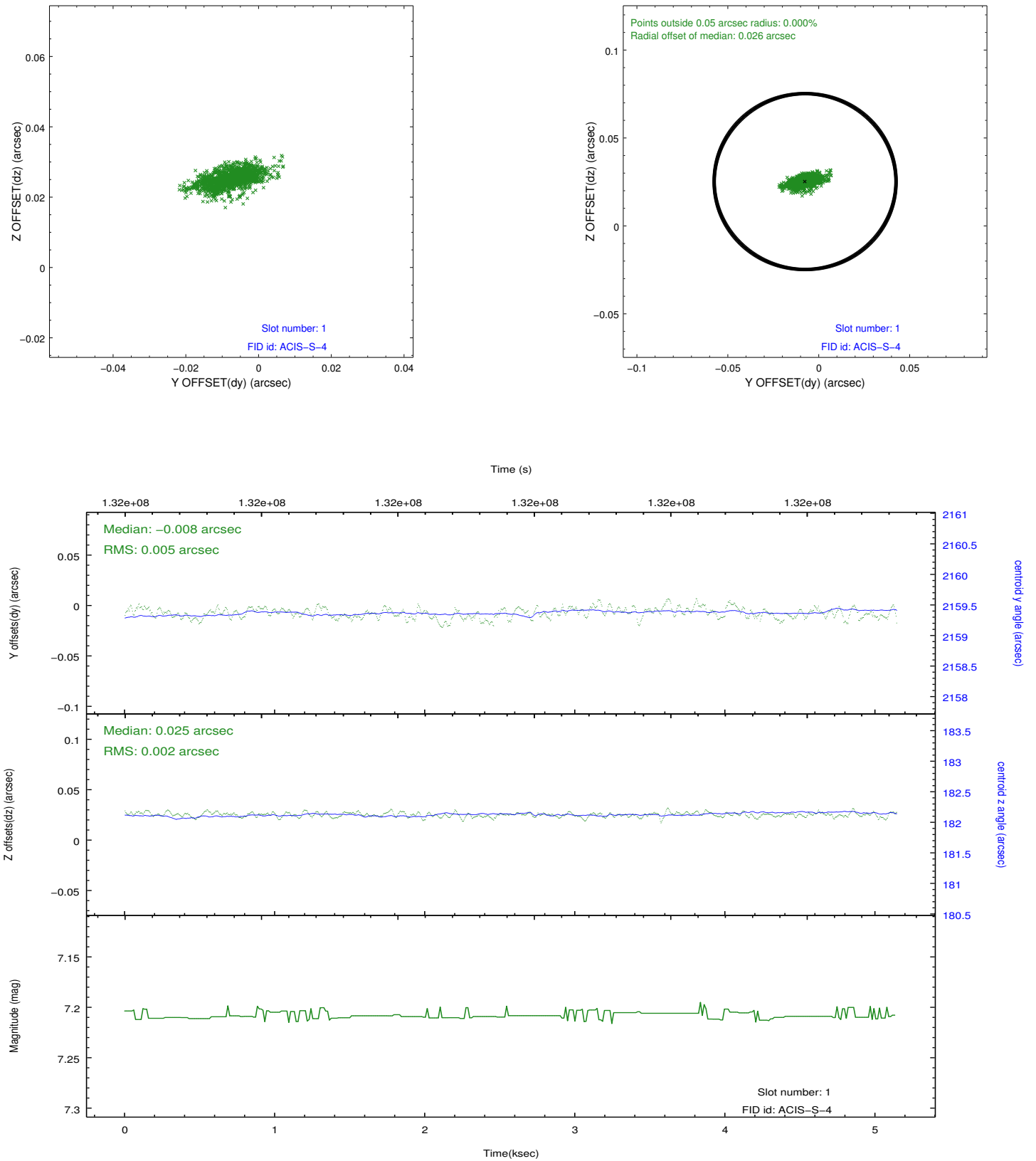


2.5 FID Slots

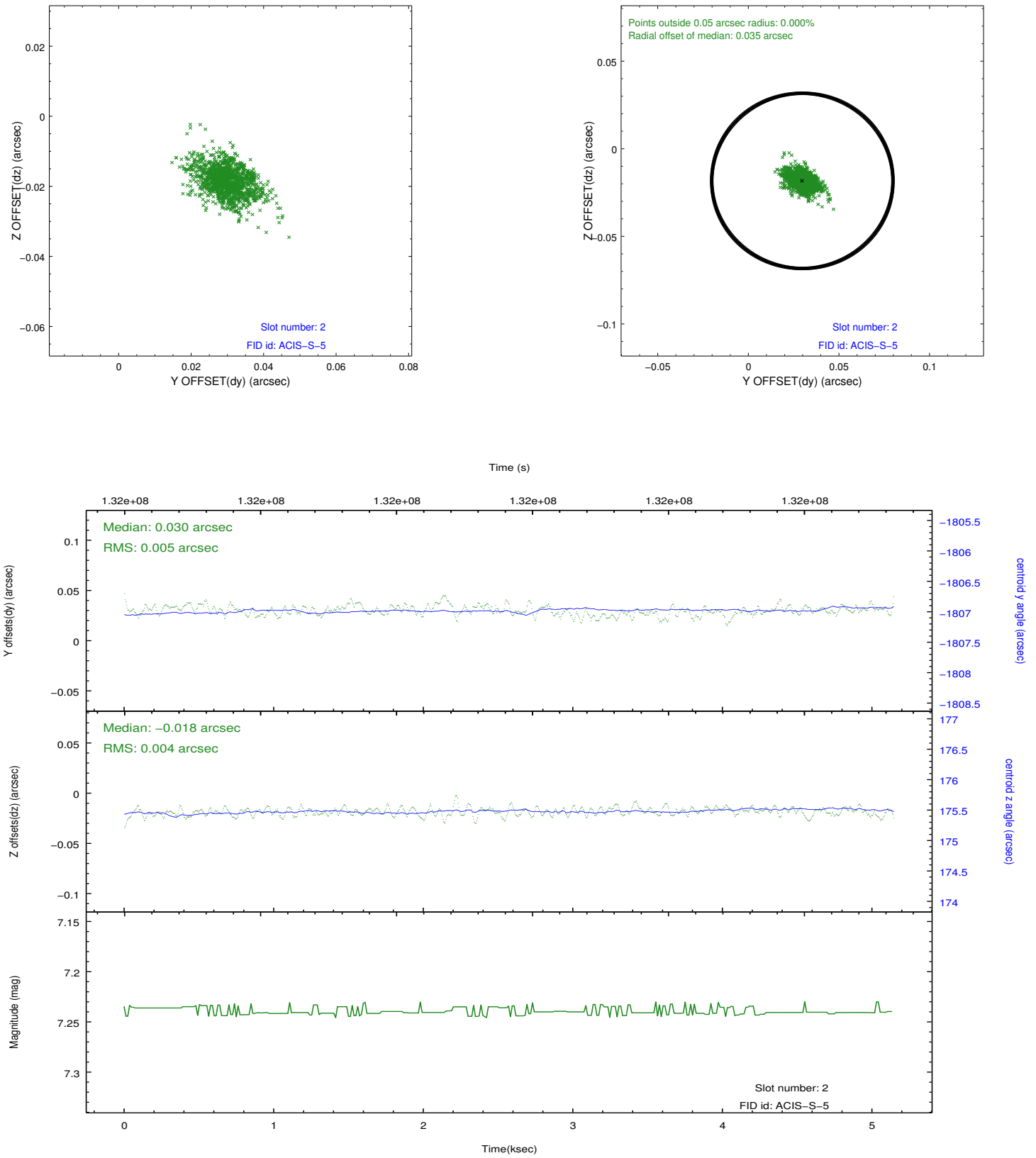
2.5.1 Slot 0



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)	2012.10.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.139

A.2 Comments

Joint proposal with HST and NOAO.