

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 13885 - L2 Version 1
Chandra X-Ray Center

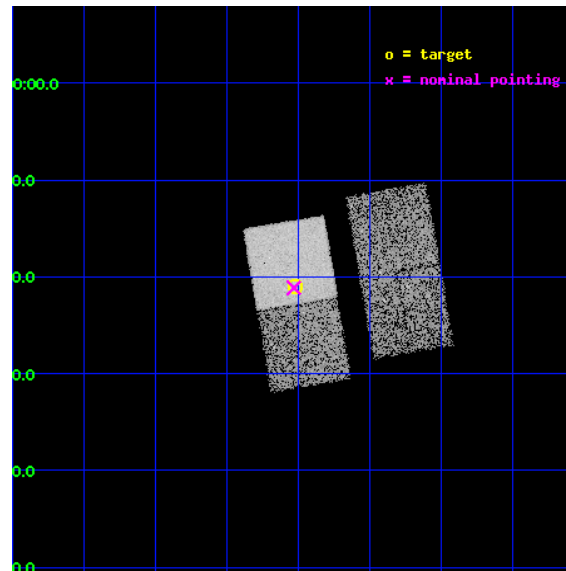
L2 Processing Date : Sep 7 2012

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1 Front

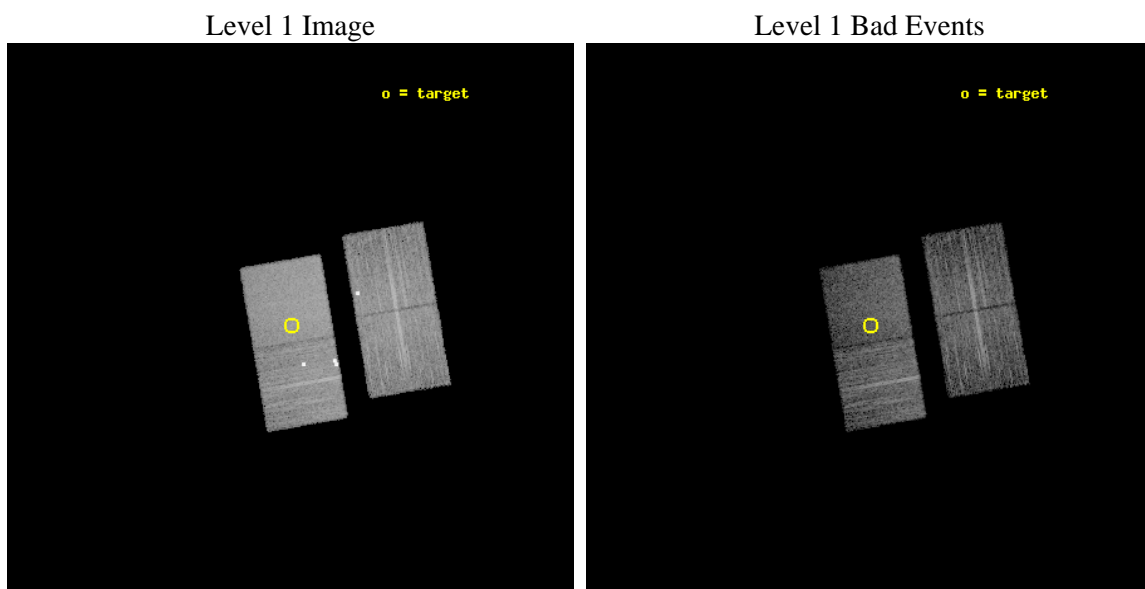
seq_num	702610	Sequence number
obs_id	13885	Observation id
title	Extending the Chandra 3C Snapshot Survey: Radio Galaxies with 0.3	Proposal title
observer	Dr. Francesco Massaro	Principal investigator
object	3c306.1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	223.755833	Observer's specified target RA [deg]
dec_targ	-4.350278	Observer's specified target Dec [deg]
ra_nom	223.75808809466	Nominal RA [deg]
dec_nom	-4.3522883033478	Nominal Dec [deg]
roll_nom	260.28732686805	Nominal Roll [deg]
revision	1	Processing version of data
ontime	12074.500092864	Sum of GTIs [s]
livetime	11916.737860033	Livetime [s]
ontime2	12074.500092864	Sum of GTIs [s]
ontime3	12074.500092864	Sum of GTIs [s]
ontime6	12074.500092864	Sum of GTIs [s]
ontime7	12074.500092864	Sum of GTIs [s]
l2events	51681	Number of level 2 events



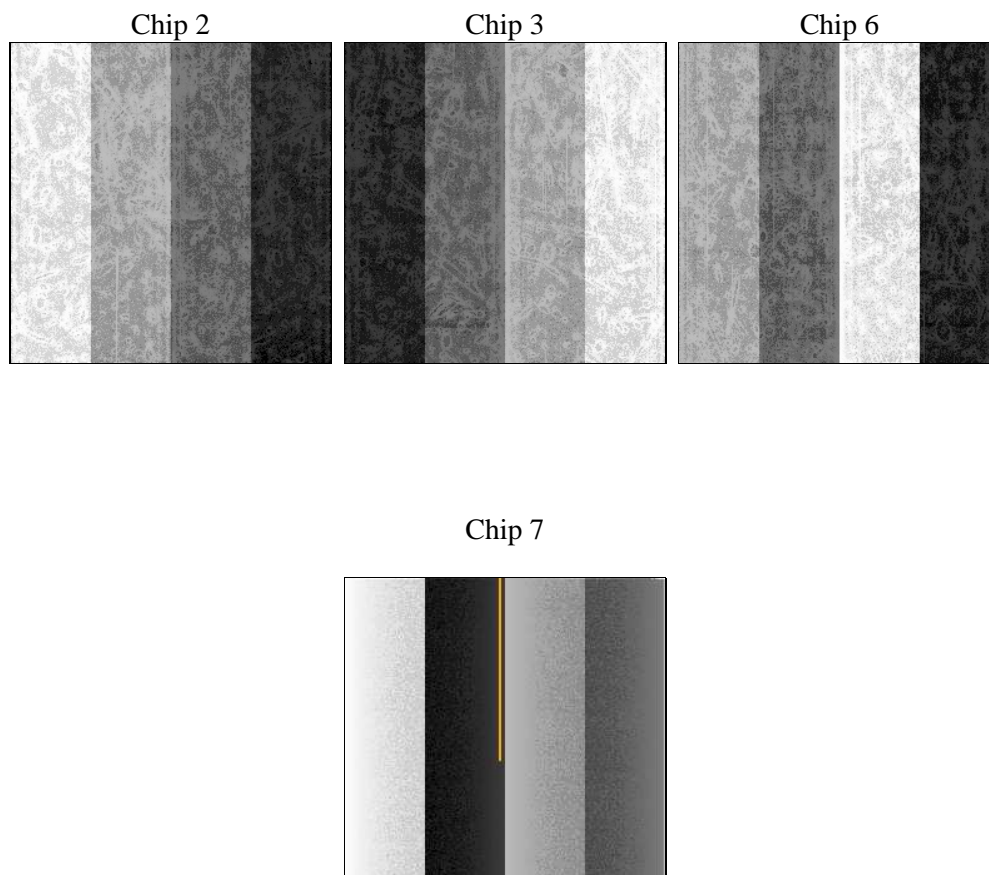
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	12000.004000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	12074.500092864	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	12074.500092864	Sum of GTIs [s]
date	2012-09-07T08:06:17	Date and time of file creation	ontime3	12074.500092864	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	12074.500092864	Sum of GTIs [s]
			ontime7	12074.500092864	Sum of GTIs [s]
			l1events	274659	Number of level 1 events

2.1.4 Events

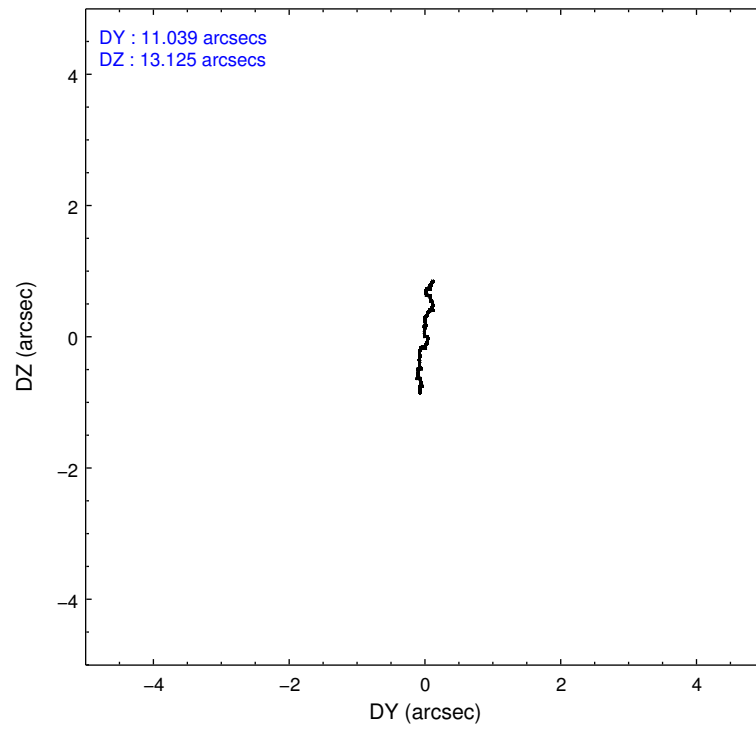
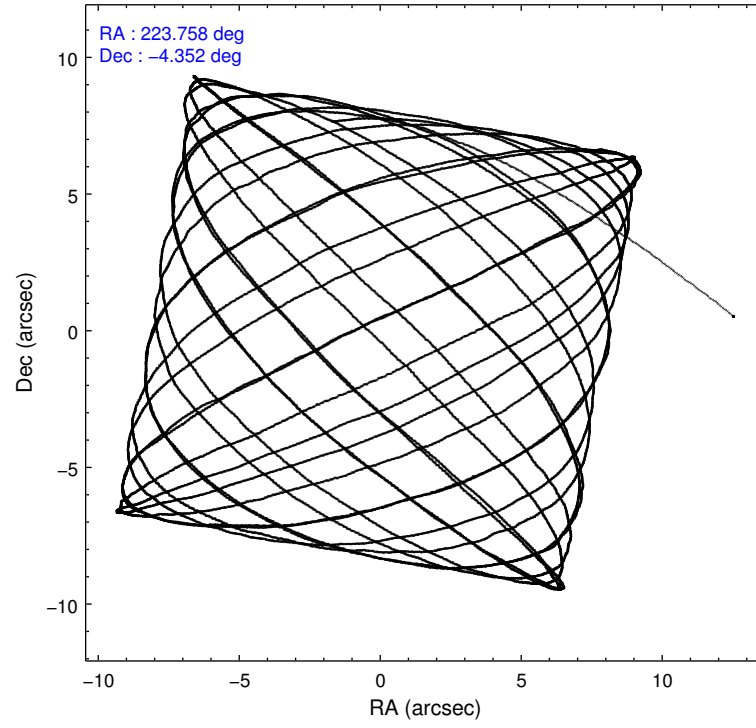
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	58586	61919	75112	79042
rejected events	51869	51633	56145	44474
rejected %	88%	83%	74%	56%

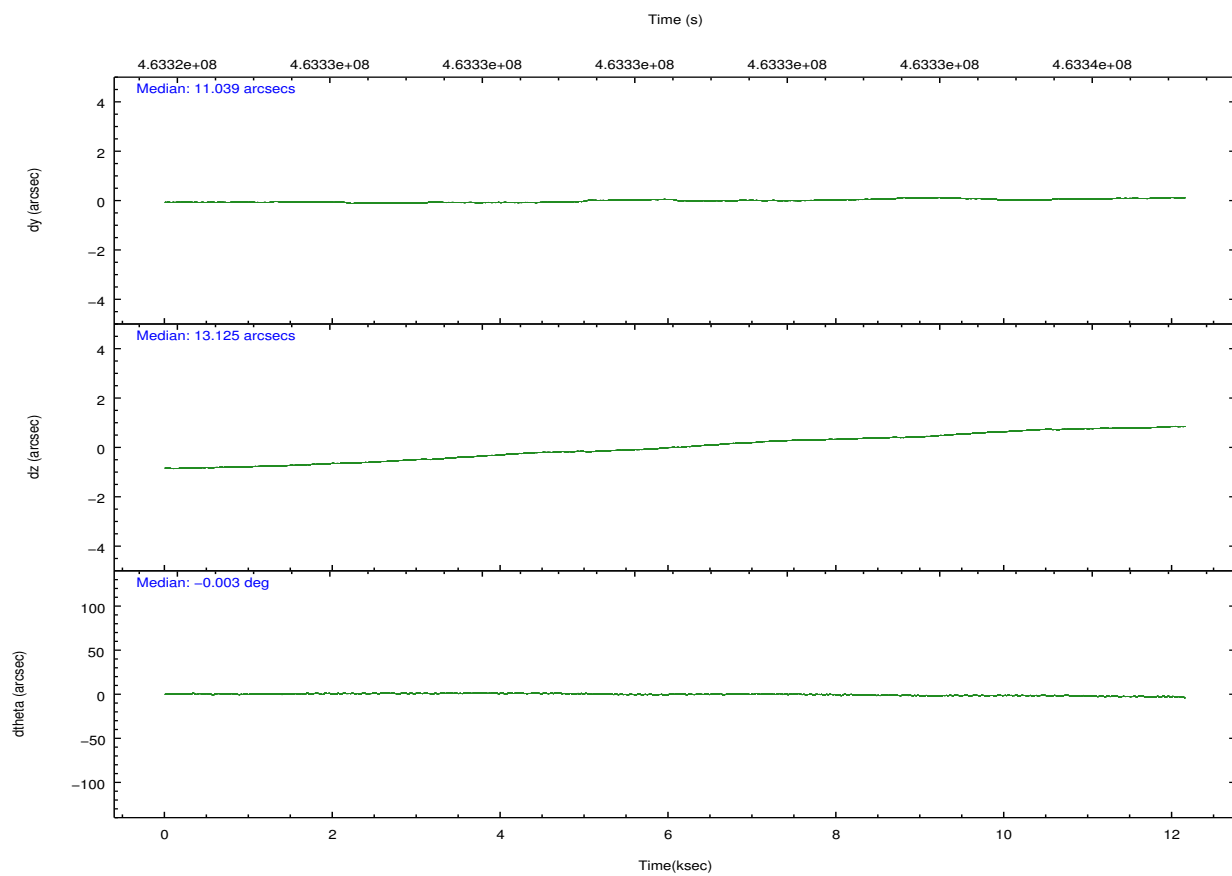
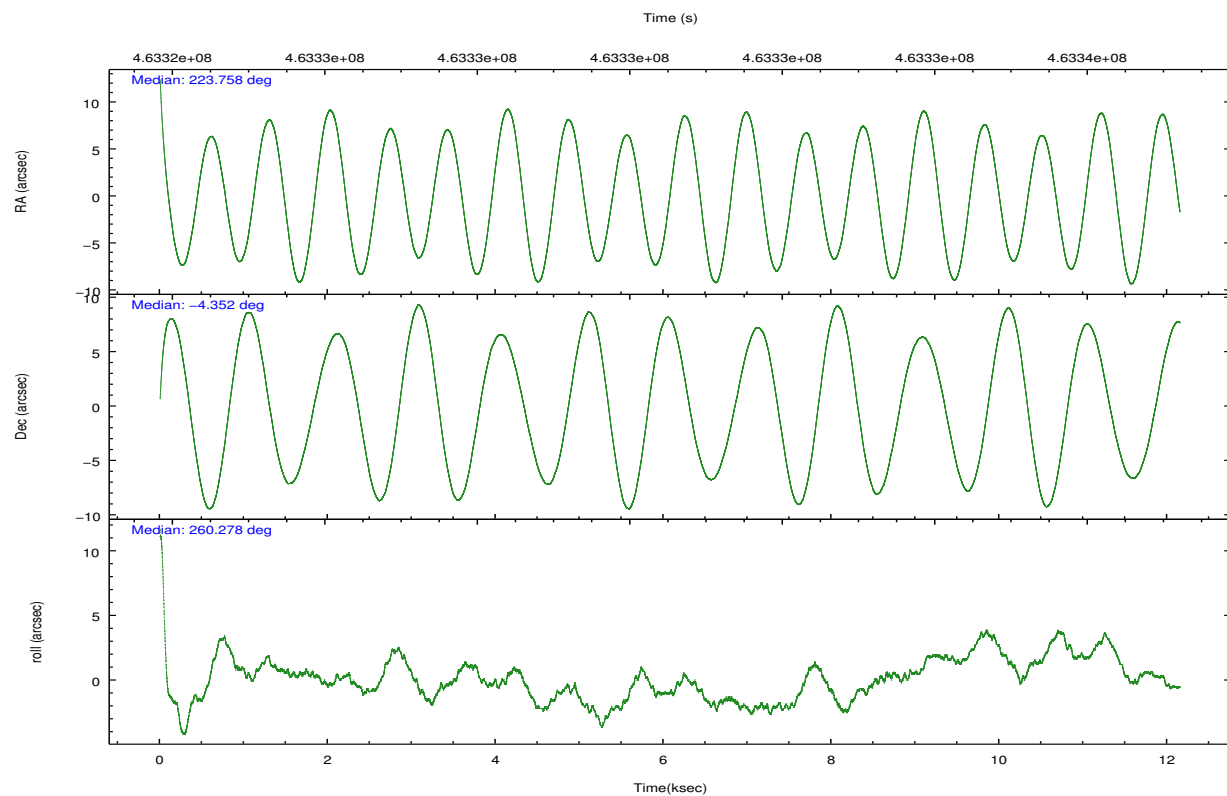
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2571	6071	10029	3065
	4%	9%	13%	3%
grade 1 events	29	35	75	83
	0%	0%	0%	0%
grade 2 events	1491	1425	5798	7174
	2%	2%	7%	9%
grade 3 events	700	710	717	2812
	1%	1%	0%	3%
grade 4 events	679	707	783	2724
	1%	1%	1%	3%
grade 5 events	2496	3004	2951	7832
	4%	4%	3%	9%
grade 6 events	1282	1378	1652	18811
	2%	2%	2%	23%
grade 7 events	49338	48589	53107	36541
	84%	78%	70%	46%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-2367	ACIS-2367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	223.748225	223.7580880946565	CCD I2 on	O1	Y
[deg] Pointing Dec	-4.326804	-4.352288303347756	CCD I3 on	O2	Y
[deg] Pointing Roll	260.129942	260.2873268680469	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	N	N
[s] Observation start time (MET)	463324607.184000	463323444.01312	CCD S5 on	N	N
Observation start date	2012-09-06T13:15:40	2012-09-06T12:57:24	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	463336607.184000	463336832.56384	On-chip summing requested	N	N
Observation end date	2012-09-06T16:35:40	2012-09-06T16:40:32	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



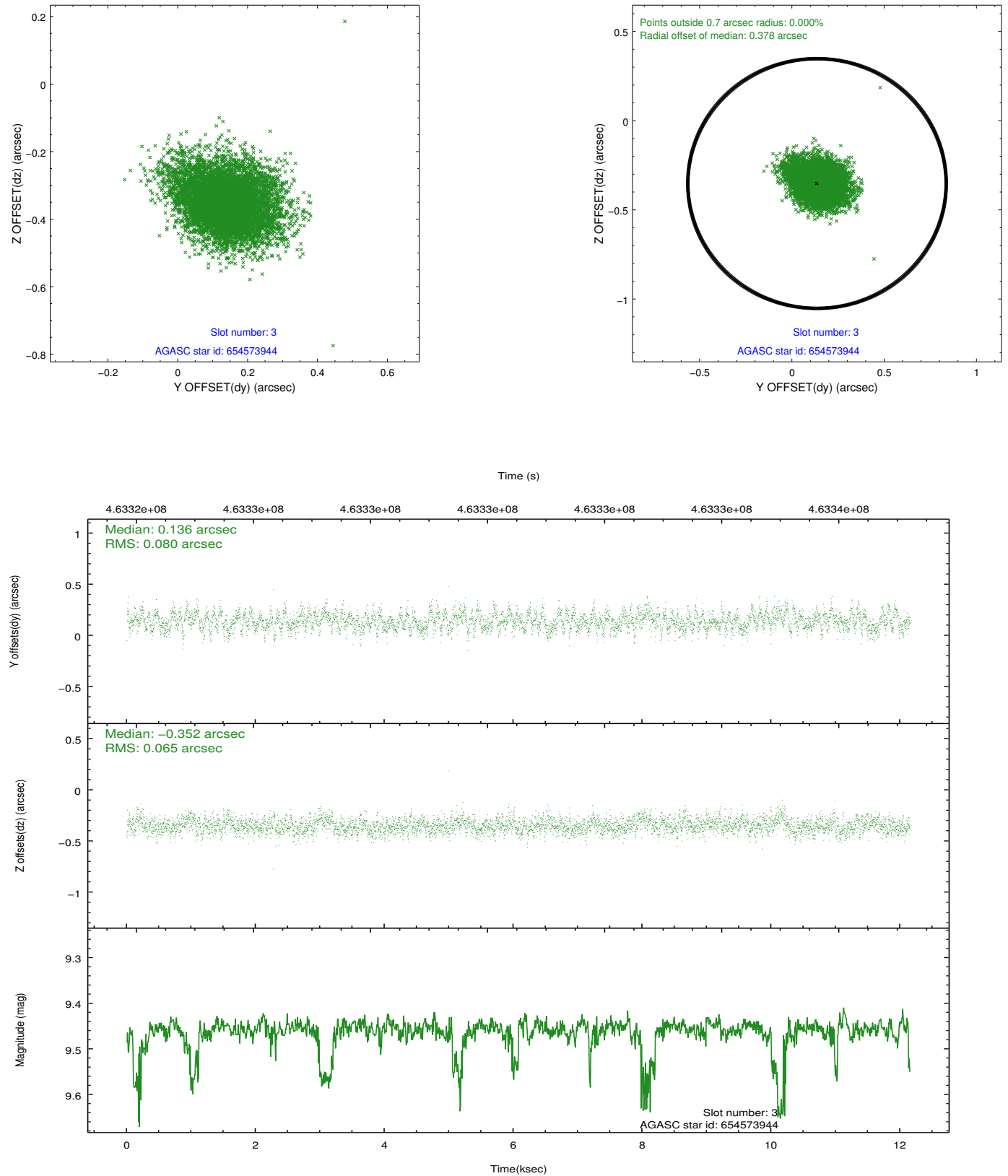


Slot Statistics

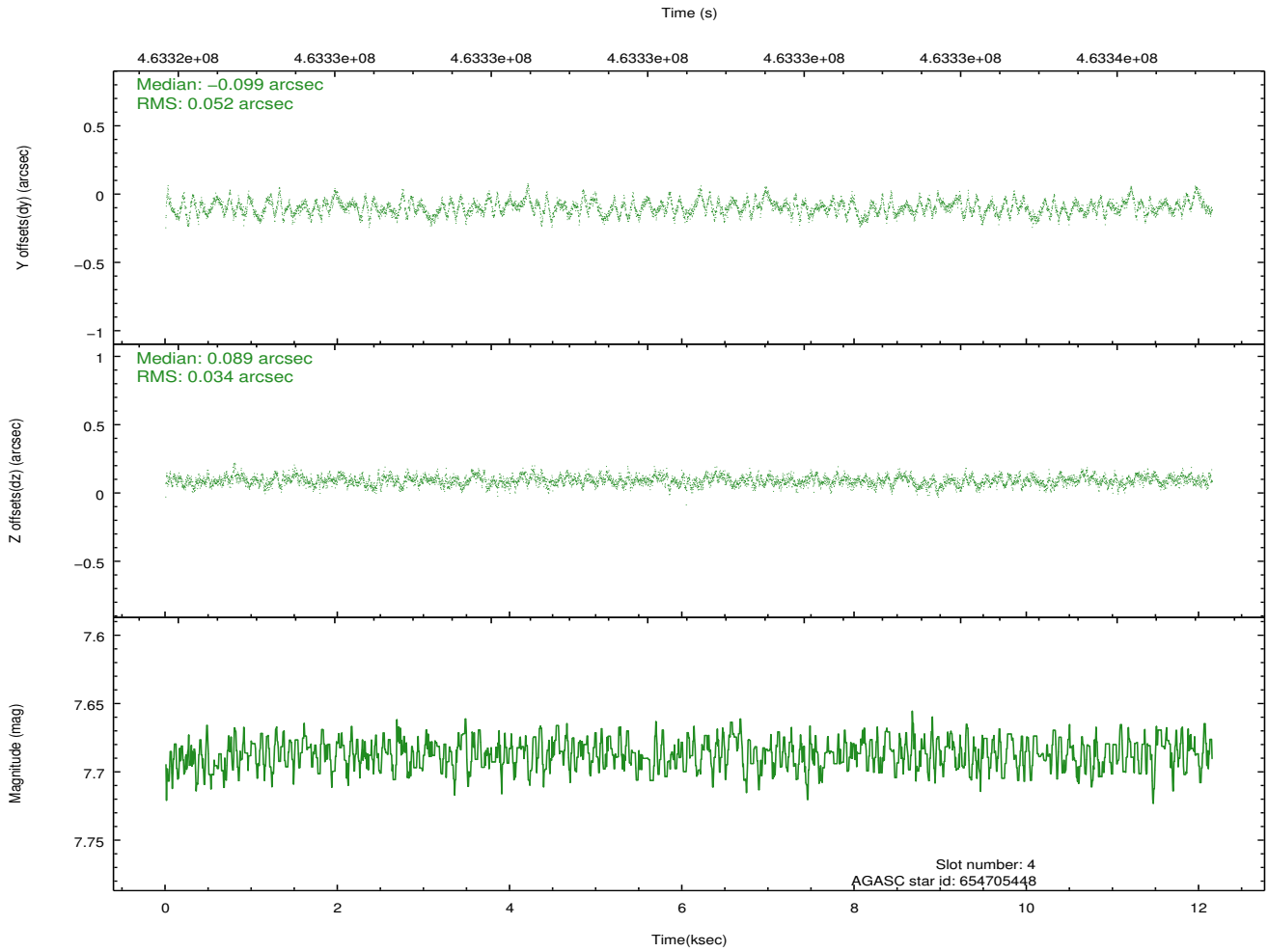
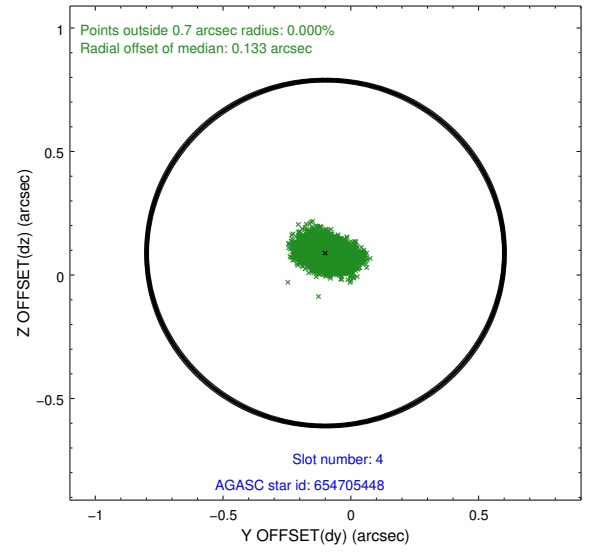
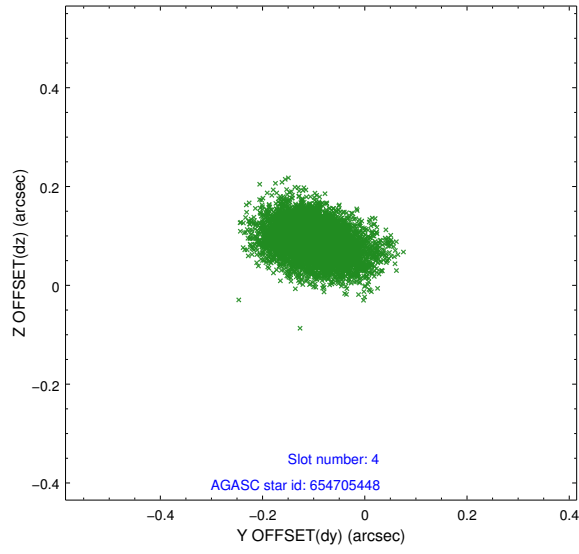
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.05	2964	-0.061	-0.058	0.010	0.016	0.000000	0.000000	-763.98	-1734.51
1	FID	ACIS-S-4	7.14	2964	0.194	0.045	0.007	0.013	0.000000	0.000000	2149.39	173.62
2	FID	ACIS-S-5	7.18	2964	-0.163	0.021	0.008	0.014	0.000000	0.000000	-1816.37	167.78
3	GUIDE	654573944	9.46	5895	0.136	-0.352	0.109	0.180	223.021631	-4.750588	1952.12	-2306.50
4	GUIDE	654705448	7.69	5928	-0.099	0.089	0.065	0.110	224.429533	-4.031671	-1464.16	2228.01
5	GUIDE	654705656	9.01	5924	0.087	0.121	0.080	0.130	223.597336	-4.183187	-415.97	-621.75
6	GUIDE	654707488	7.76	5927	-0.108	0.063	0.067	0.106	224.093838	-4.608812	788.06	1395.85
7	GUIDE	654710984	8.56	5925	-0.017	0.077	0.065	0.106	224.090368	-4.570427	654.70	1359.55

2.4 Star Slots

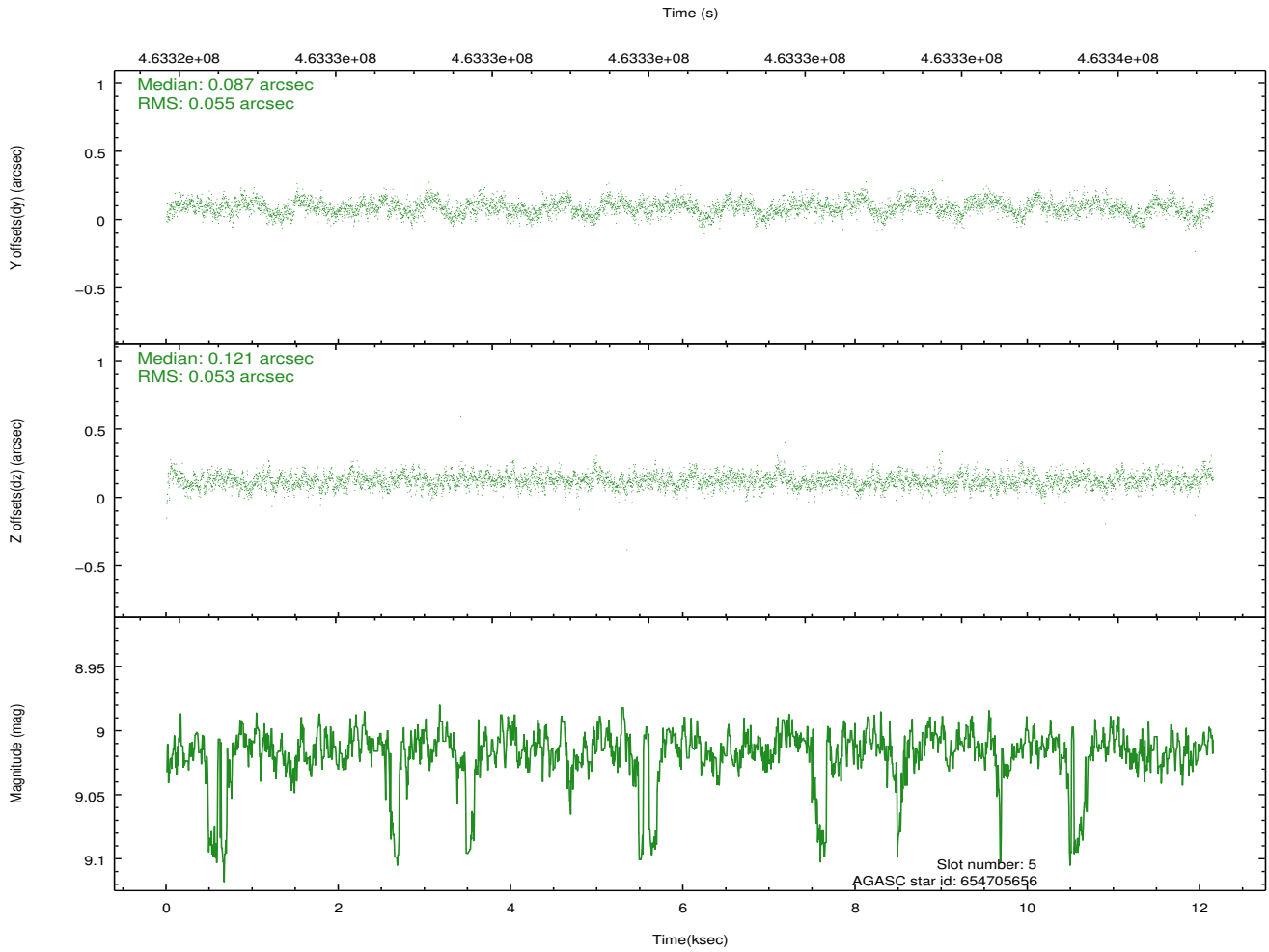
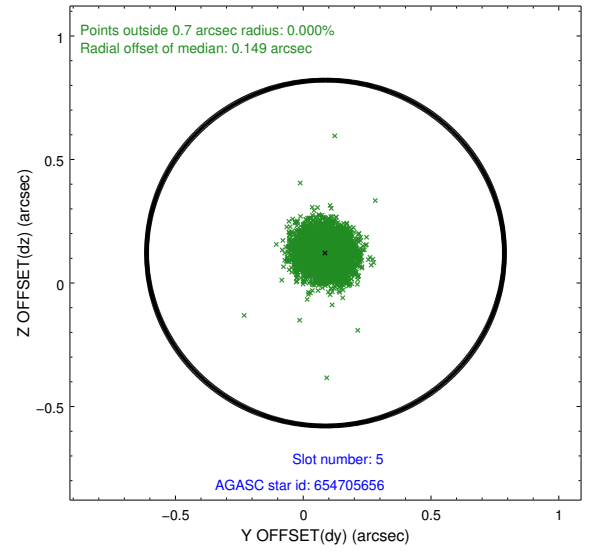
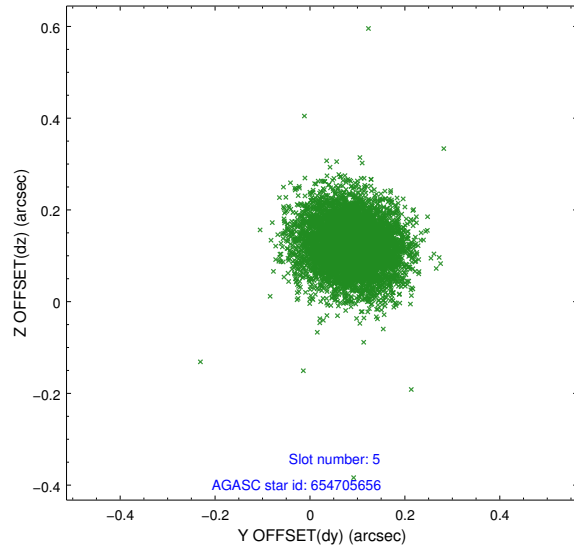
2.4.1 Slot 3



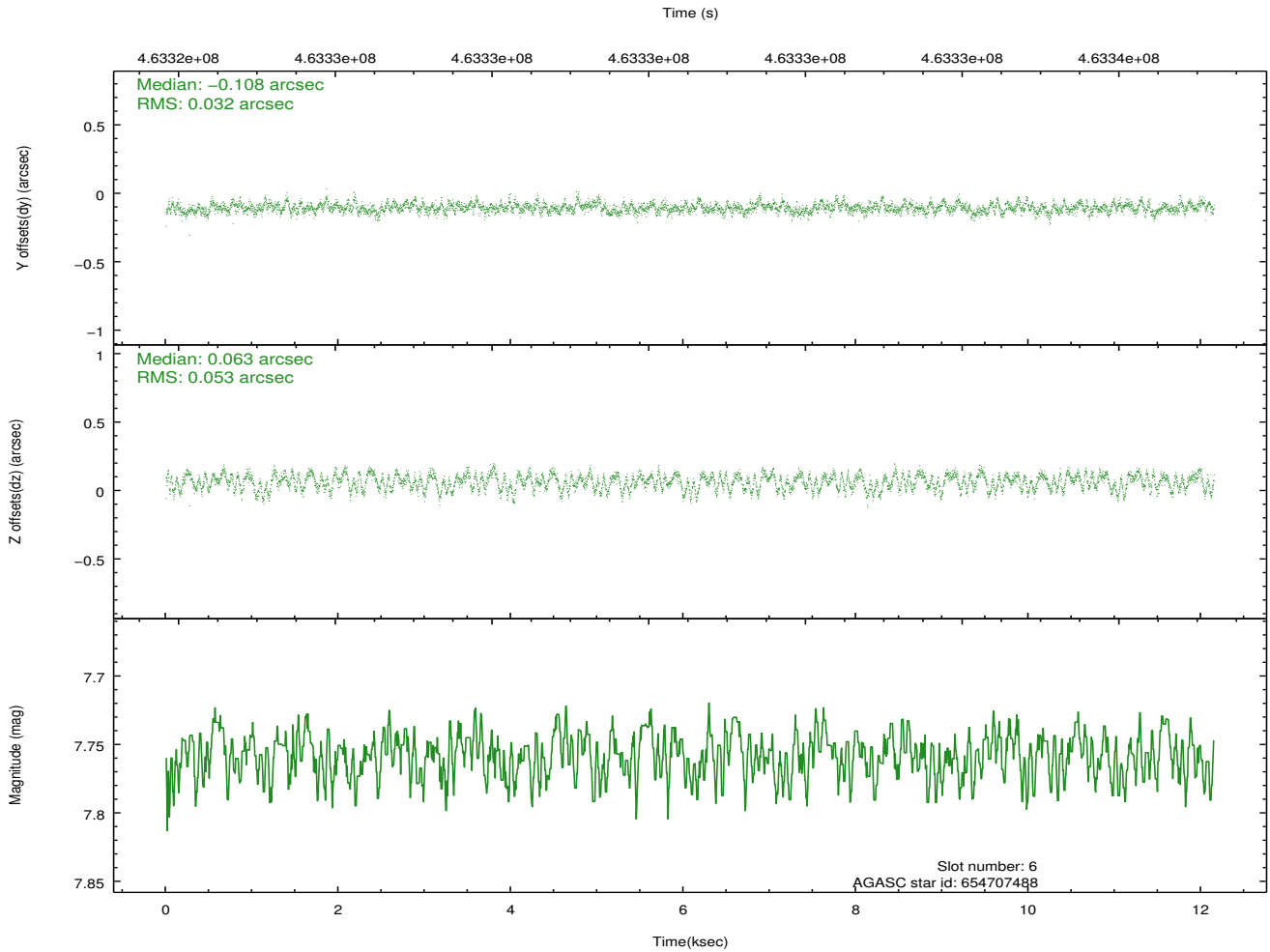
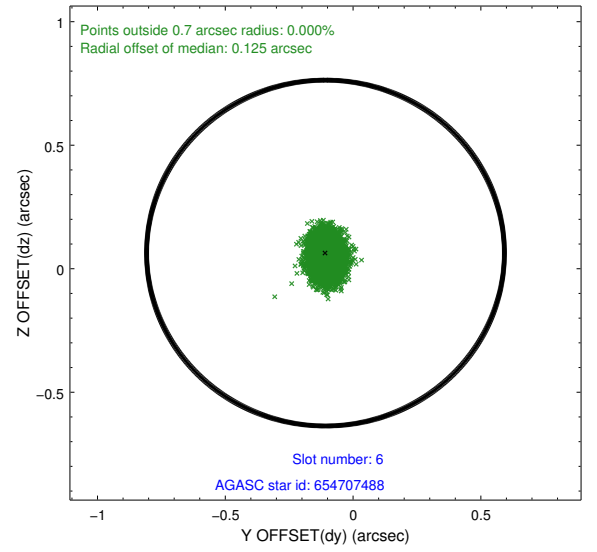
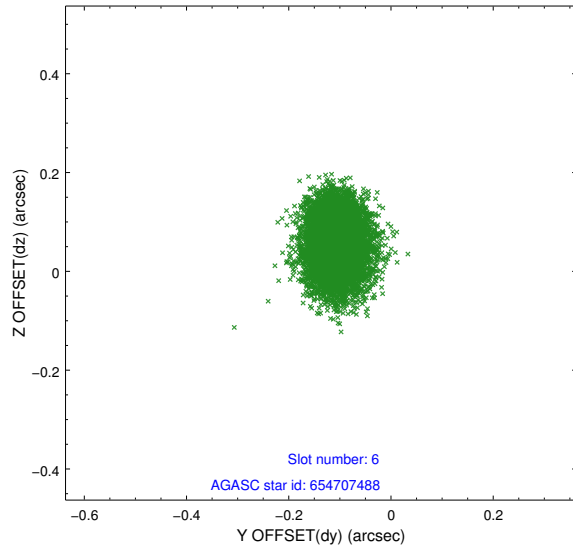
2.4.2 Slot 4



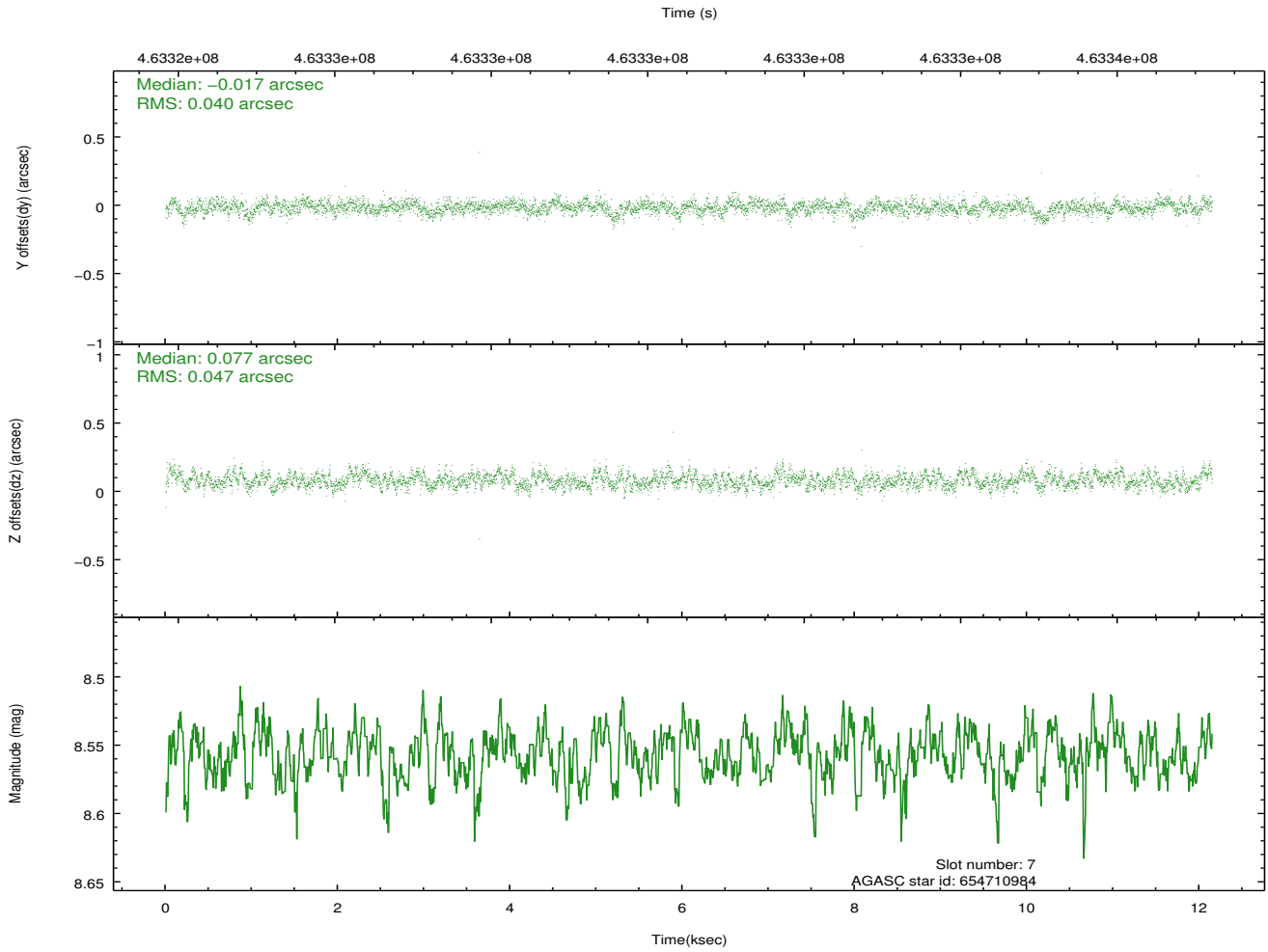
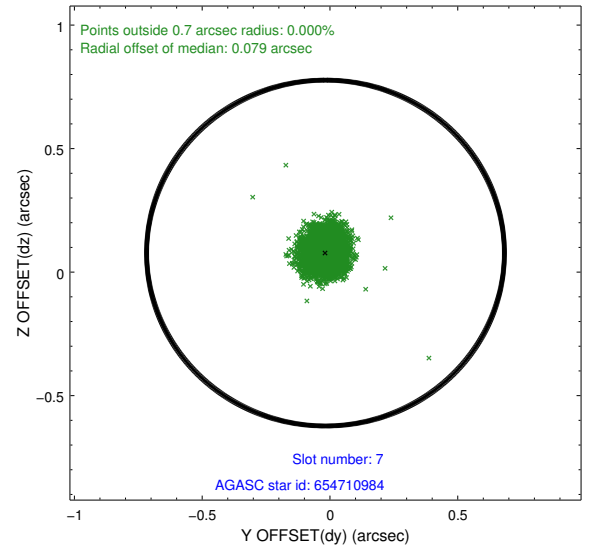
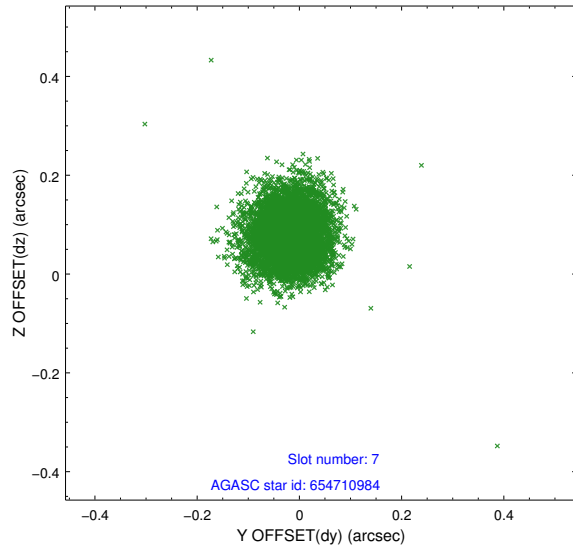
2.4.3 Slot 5



2.4.4 Slot 6

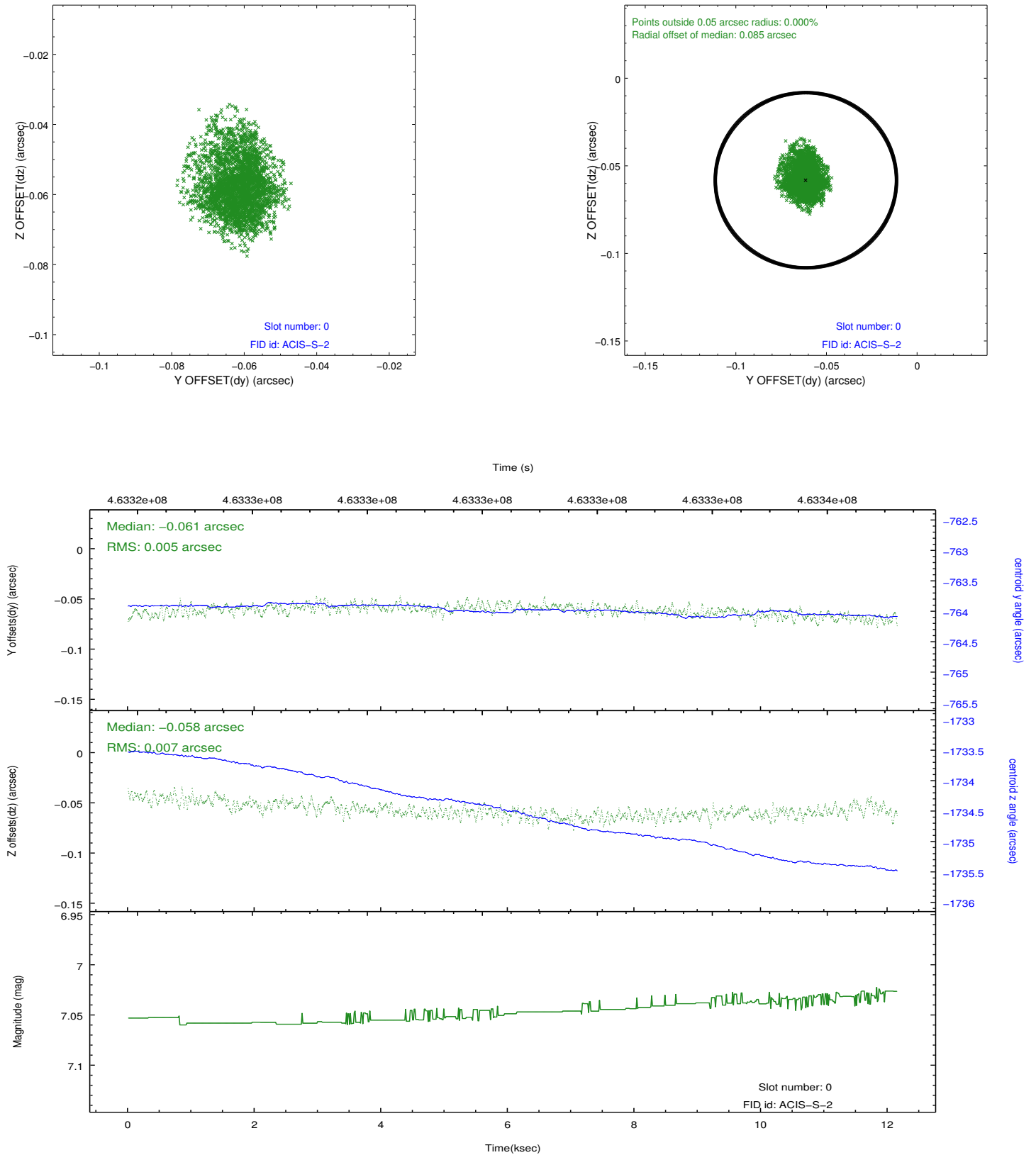


2.4.5 Slot 7

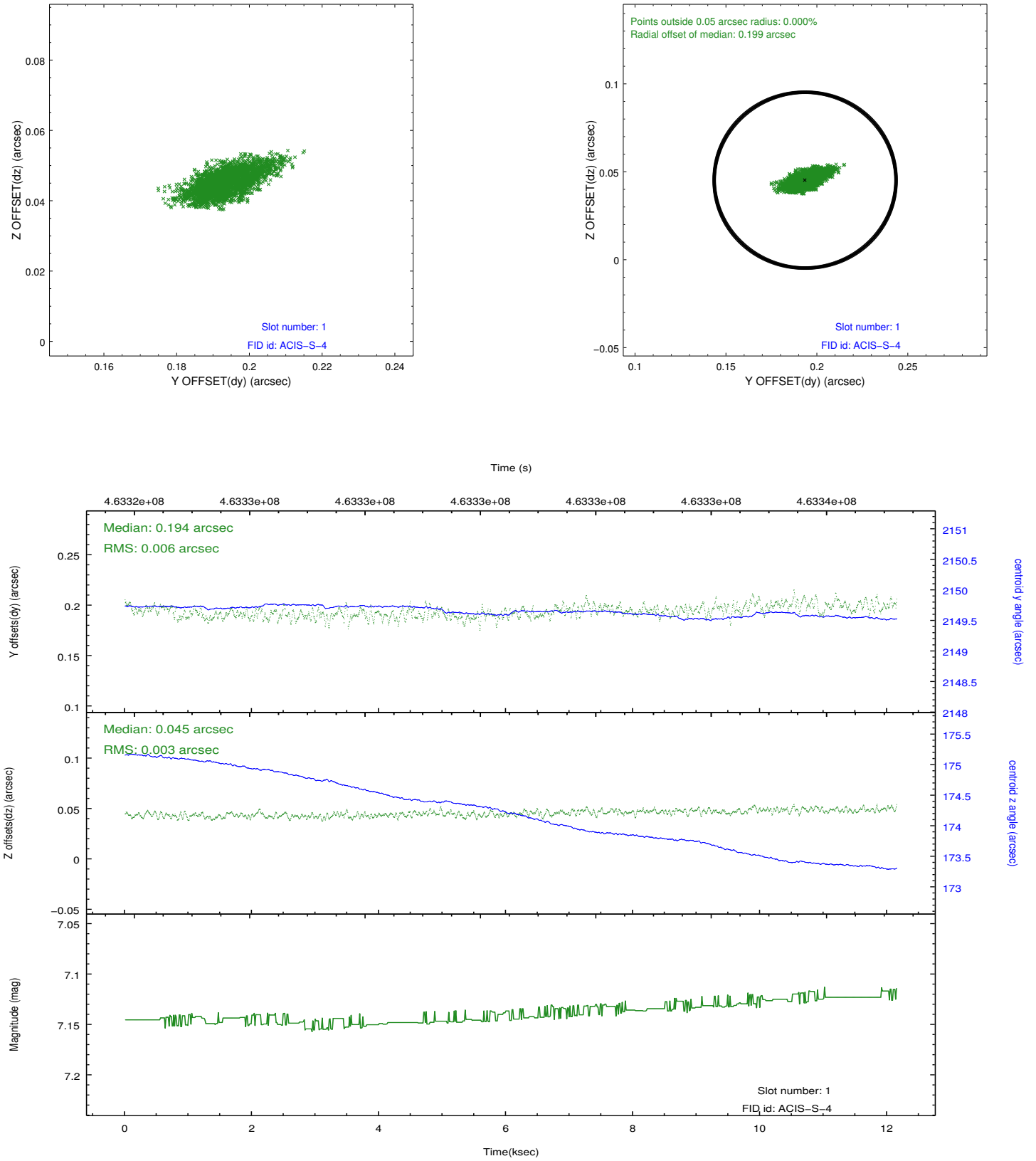


2.5 FID Slots

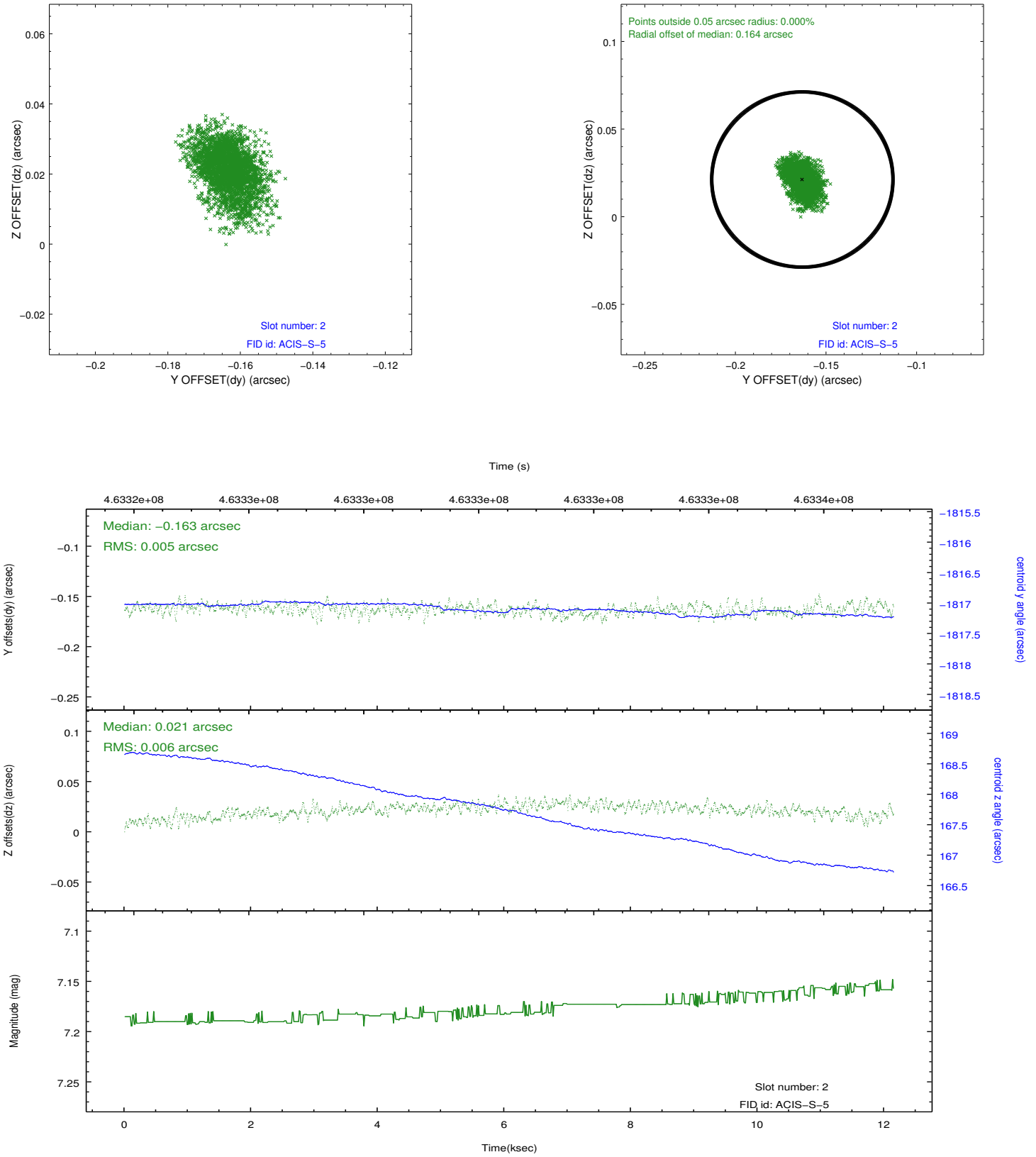
2.5.1 Slot 0



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)	2012.09.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.074500092864

A.2 Comments