

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 13890 - L2 Version 1
Chandra X-Ray Center

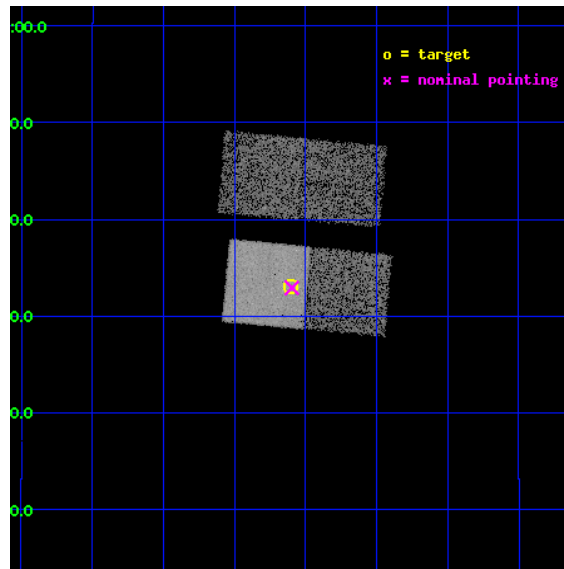
L2 Processing Date : Aug 14 2012

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1 Front

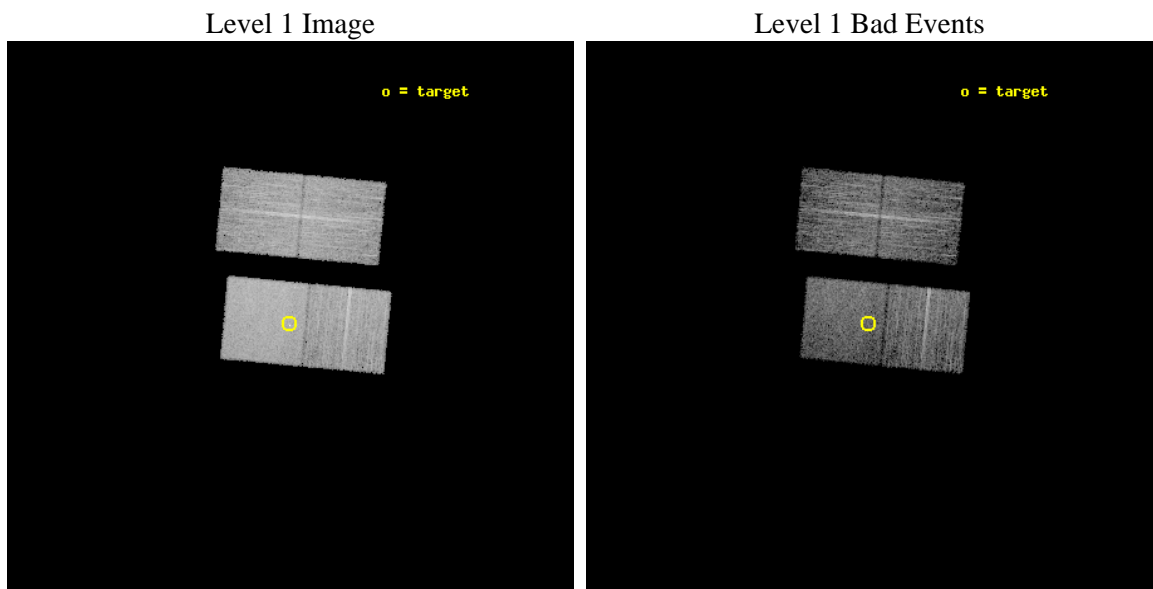
seq_num	702615	Sequence number
obs_id	13890	Observation id
title	Extending the Chandra 3C Snapshot Survey: Radio Galaxies with 0.3	Proposal title
observer	Dr. Francesco Massaro	Principal investigator
object	3c435	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	322.275417	Observer's specified target RA [deg]
dec_targ	7.551667	Observer's specified target Dec [deg]
ra_nom	322.27399242556	Nominal RA [deg]
dec_nom	7.548978606976	Nominal Dec [deg]
roll_nom	185.29362177197	Nominal Roll [deg]
revision	1	Processing version of data
ontime	12077.600092888	Sum of GTIs [s]
livetime	11919.797356274	Livetime [s]
ontime2	12074.369579375	Sum of GTIs [s]
ontime3	12077.551609755	Sum of GTIs [s]
ontime6	12077.592649758	Sum of GTIs [s]
ontime7	12077.600092888	Sum of GTIs [s]
l2events	53544	Number of level 2 events



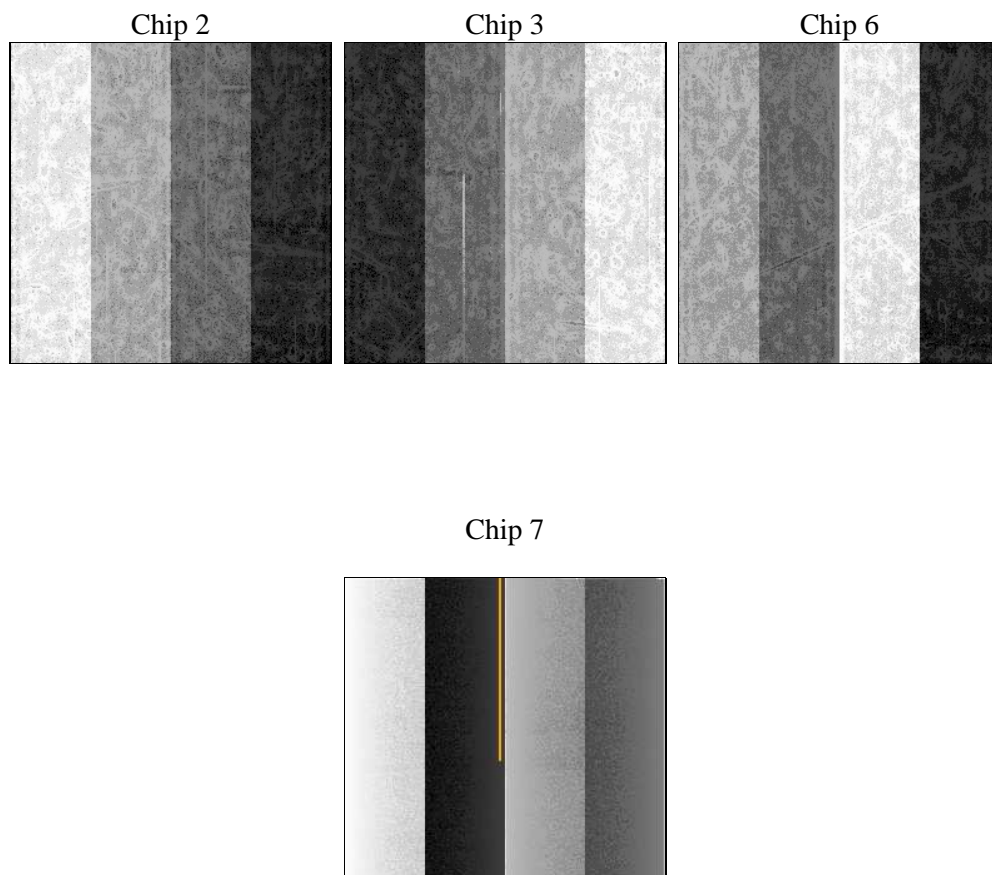
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	12000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	12077.600092888	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	12074.369579375	Sum of GTIs [s]
date	2012-08-15T00:40:57	Date and time of file creation	ontime3	12077.551609755	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	12077.592649758	Sum of GTIs [s]
			ontime7	12077.600092888	Sum of GTIs [s]
			l1events	261783	Number of level 1 events

2.1.4 Events

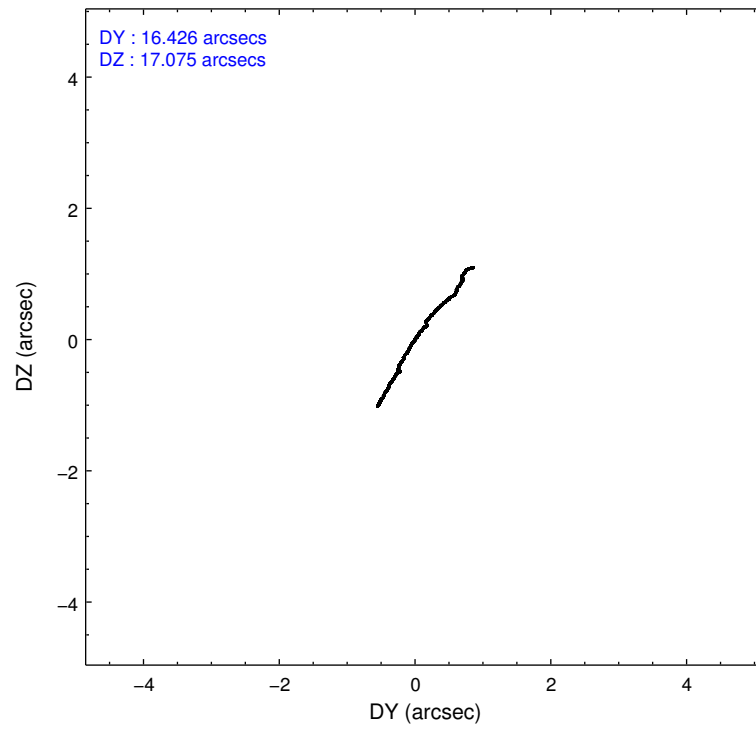
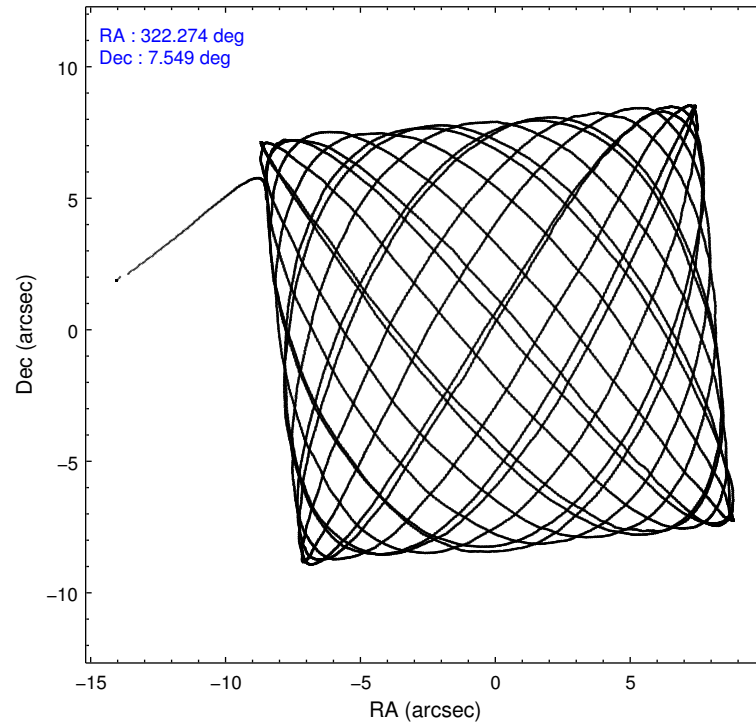
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	59061	59702	61536	81484
rejected events	52292	53061	54065	45208
rejected %	88%	88%	87%	55%

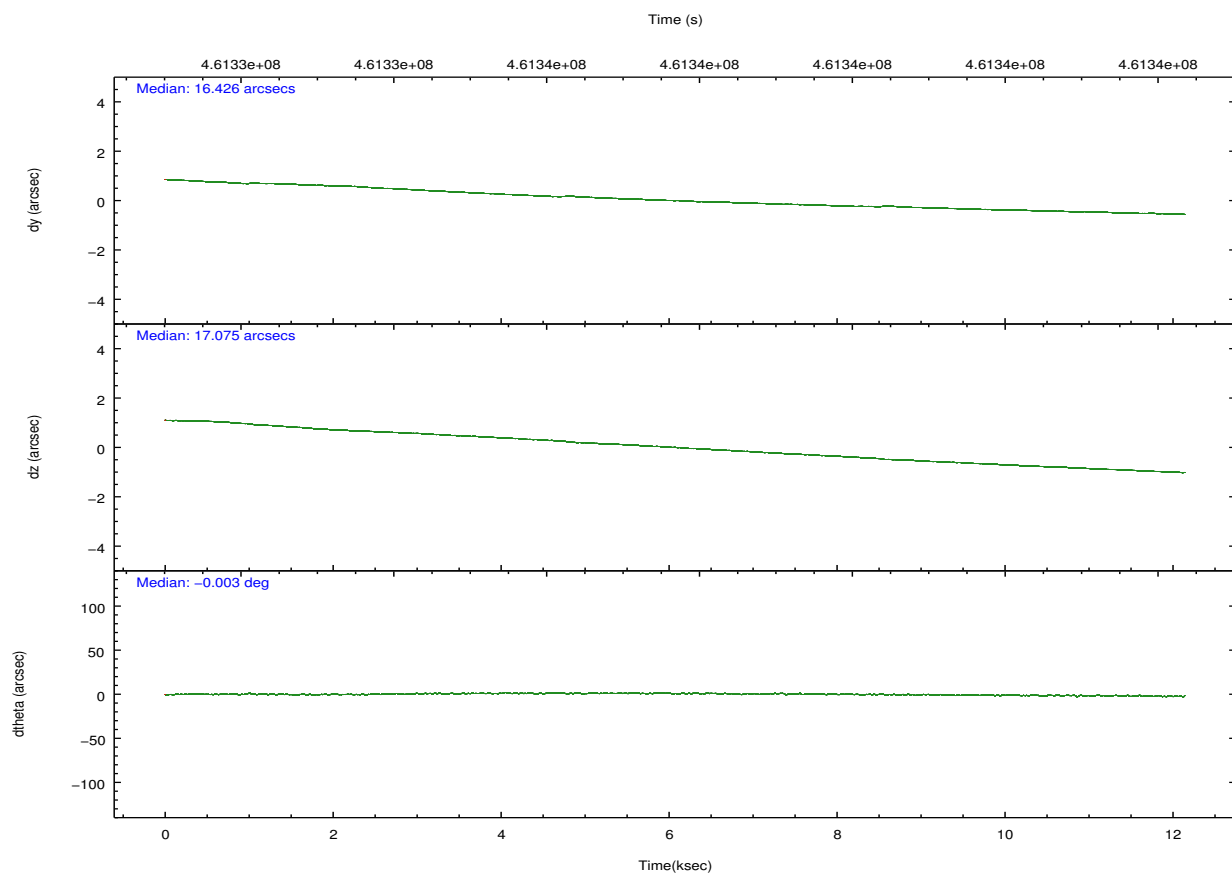
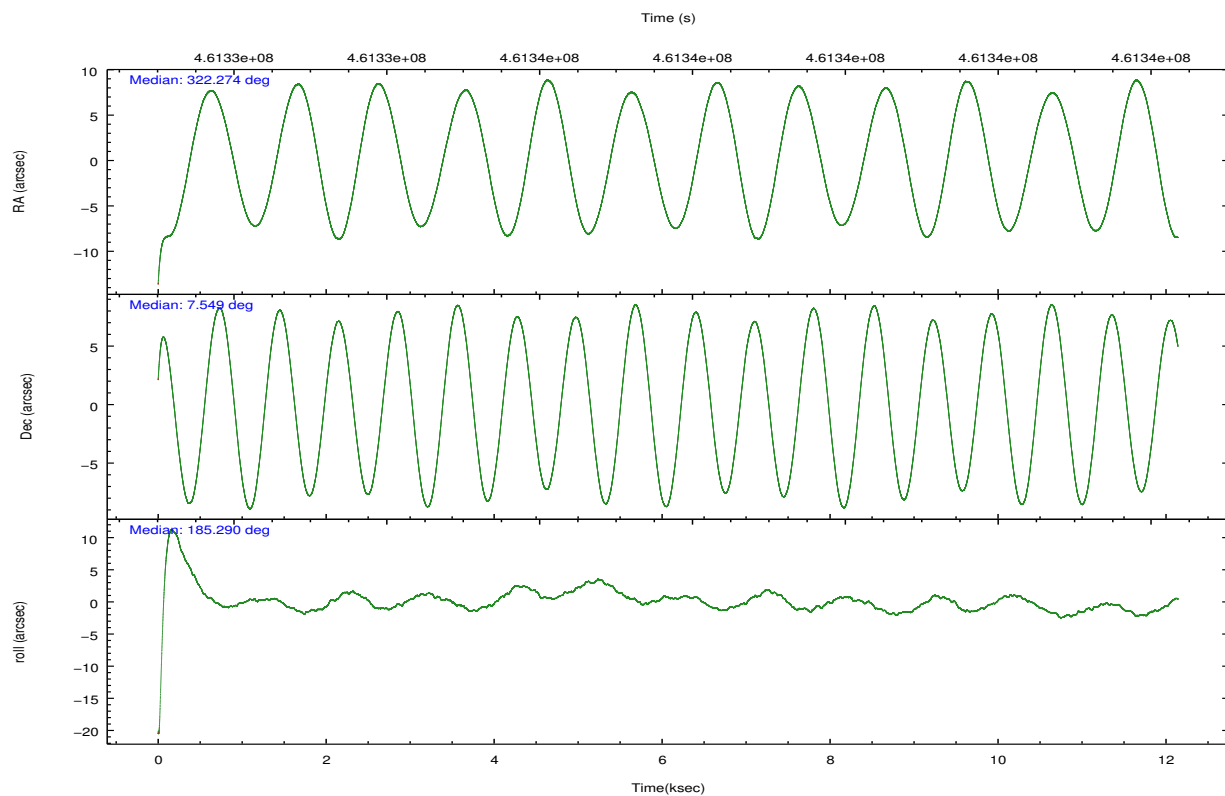
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2423	2349	2529	3300
	4%	3%	4%	4%
grade 1 events	22	26	27	97
	0%	0%	0%	0%
grade 2 events	1608	1427	1760	7472
	2%	2%	2%	9%
grade 3 events	722	721	732	3145
	1%	1%	1%	3%
grade 4 events	713	705	731	3096
	1%	1%	1%	3%
grade 5 events	2608	3206	3055	8574
	4%	5%	4%	10%
grade 6 events	1306	1442	1723	19280
	2%	2%	2%	23%
grade 7 events	49659	49826	50979	36520
	84%	83%	82%	44%

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	322.296316	322.2739924255644	CCD I2 on	O1	Y
[deg] Pointing Dec	7.565071	7.548978606975965	CCD I3 on	O2	Y
[deg] Pointing Roll	185.134090	185.2936217719738	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)	461331757.184000	461330424.68146	CCD S5 on	N	N
Observation start date	2012-08-14T11:41:30	2012-08-14T11:20:24	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	461343757.184000	461344515.86972	On-chip summing requested	N	N
Observation end date	2012-08-14T15:01:30	2012-08-14T15:15:15	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



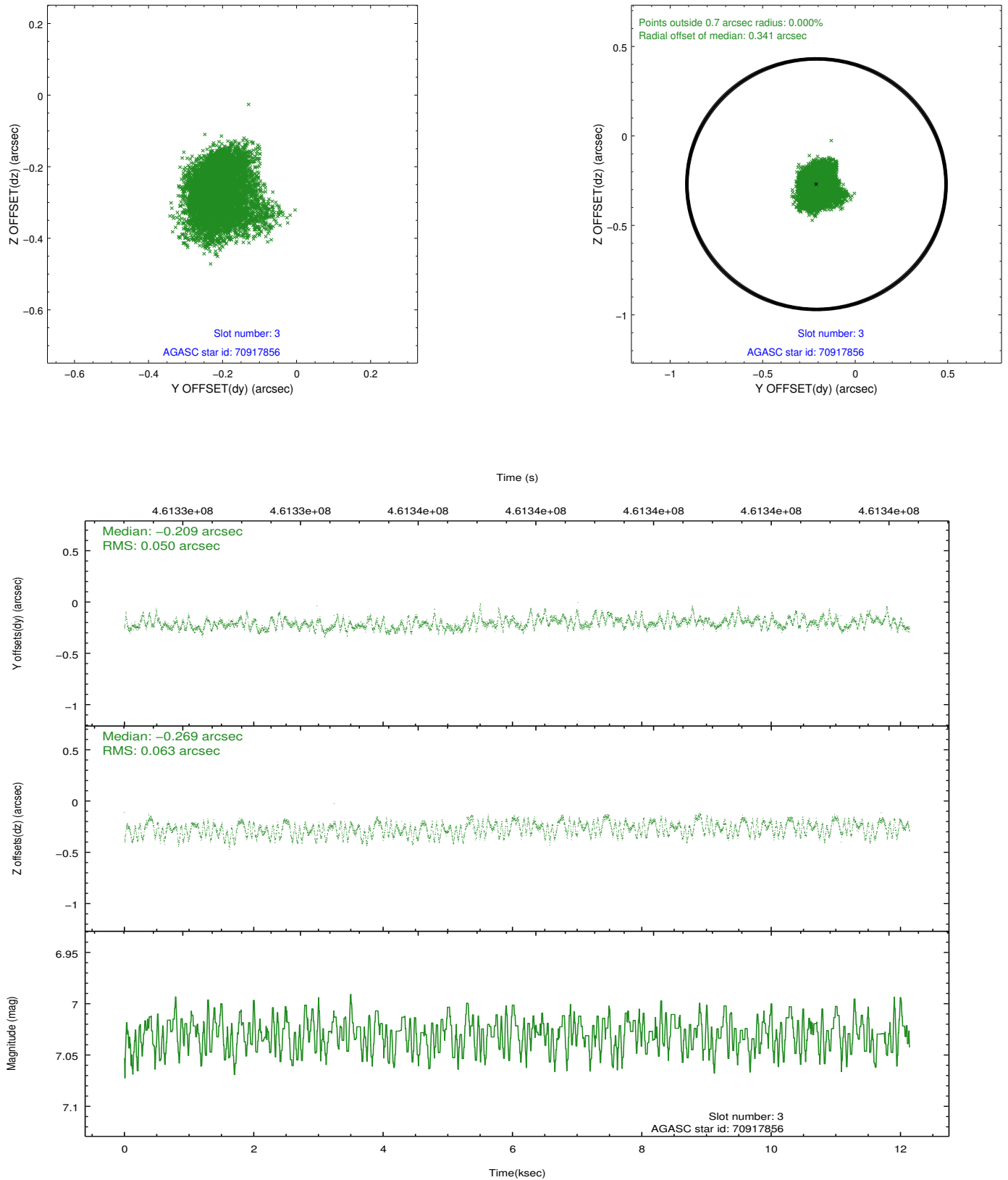


Slot Statistics

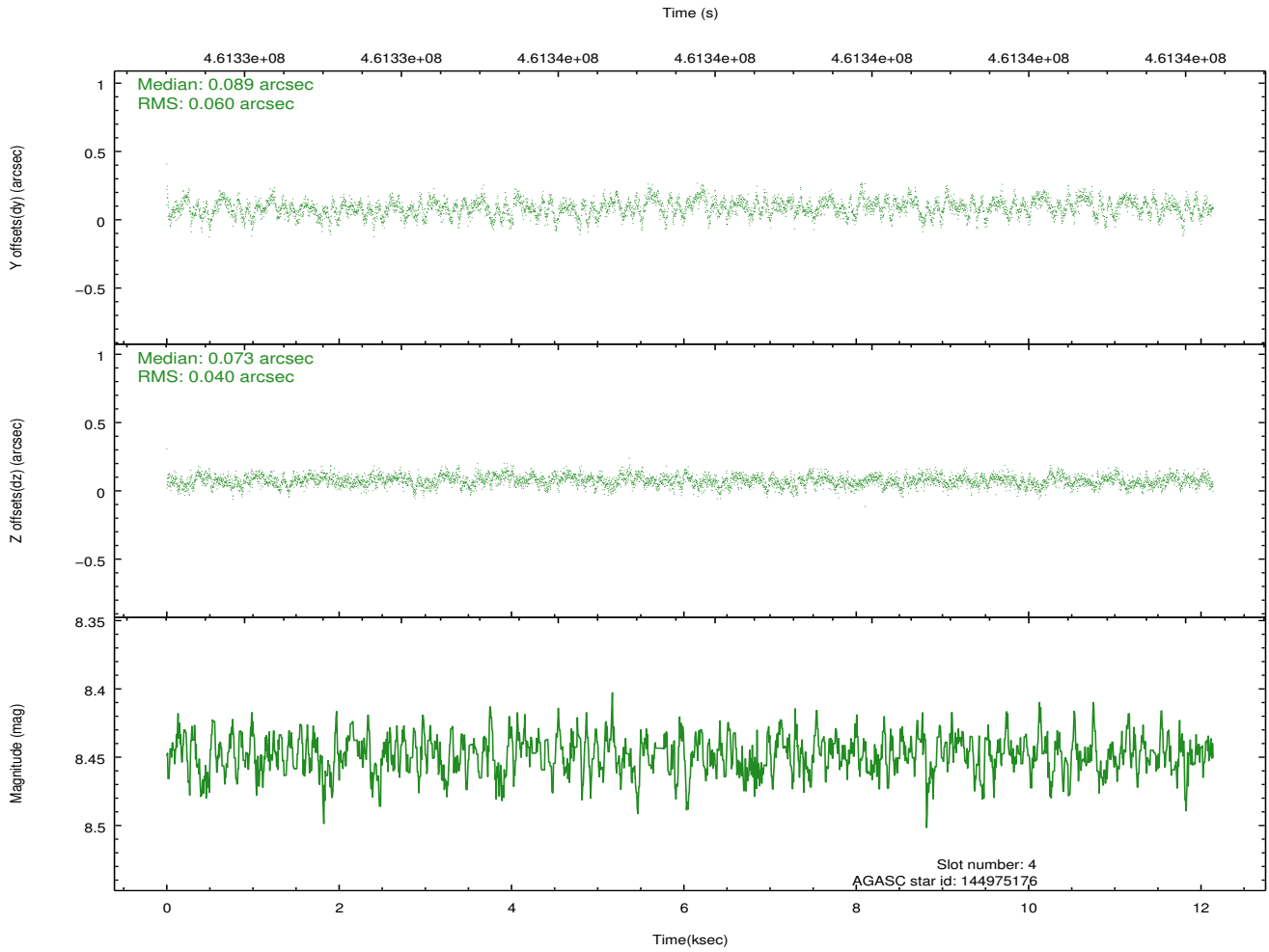
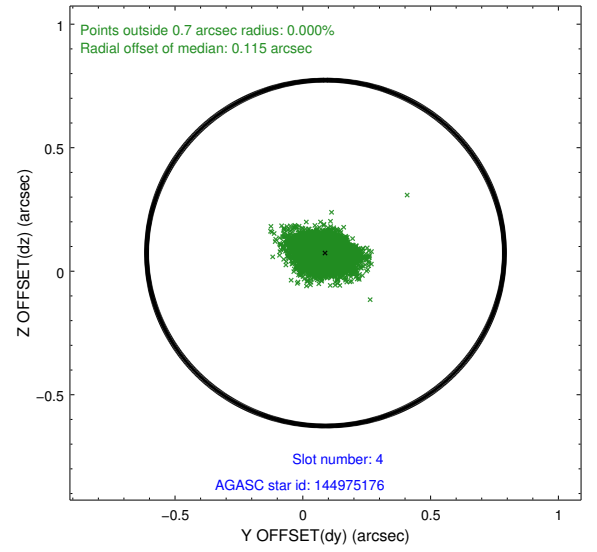
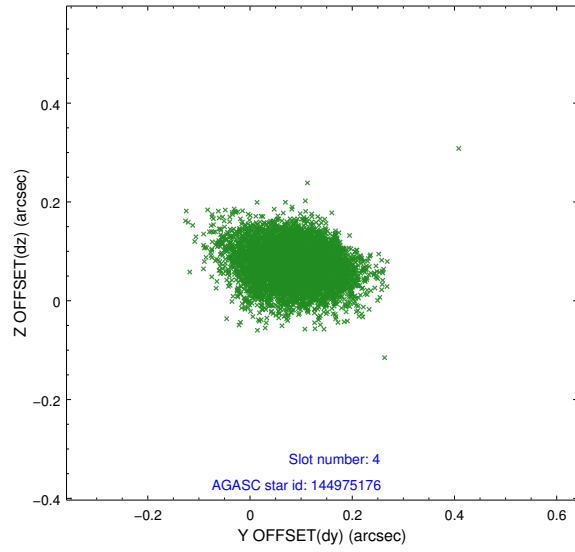
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.90	2962	-0.100	-0.035	0.020	0.031	0.000000	0.000000	-769.63	-1738.54
1	FID	ACIS-S-4	6.99	2962	0.224	0.058	0.011	0.019	0.000000	0.000000	2143.82	169.56
2	FID	ACIS-S-5	7.01	2961	-0.151	-0.014	0.020	0.029	0.000000	0.000000	-1821.97	163.69
3	GUIDE	70917856	7.03	5923	-0.209	-0.269	0.087	0.137	321.794025	6.911304	1998.37	2182.66
4	GUIDE	144975176	8.45	5922	0.089	0.073	0.076	0.127	321.653969	7.885452	2178.72	-1354.64
5	GUIDE	146672712	9.28	5917	0.287	-0.019	0.129	0.214	322.640289	8.168566	-1414.91	-2054.54
6	GUIDE	146676024	8.62	5923	0.160	0.093	0.081	0.127	322.820302	7.700338	-1905.82	-319.06
7	GUIDE	146671576	8.61	5916	-0.326	0.131	0.088	0.135	322.917258	7.936225	-2325.28	-1134.09

2.4 Star Slots

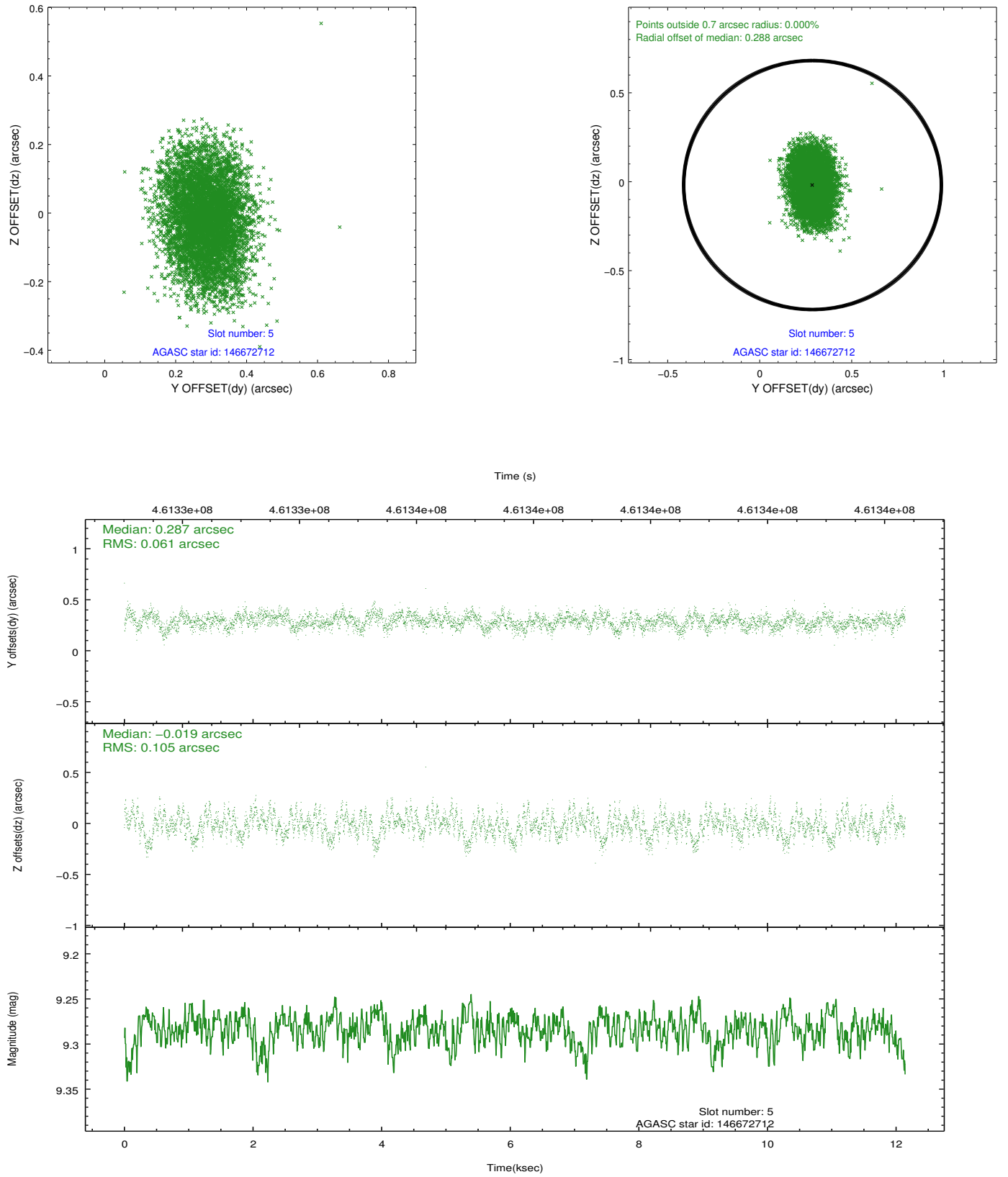
2.4.1 Slot 3



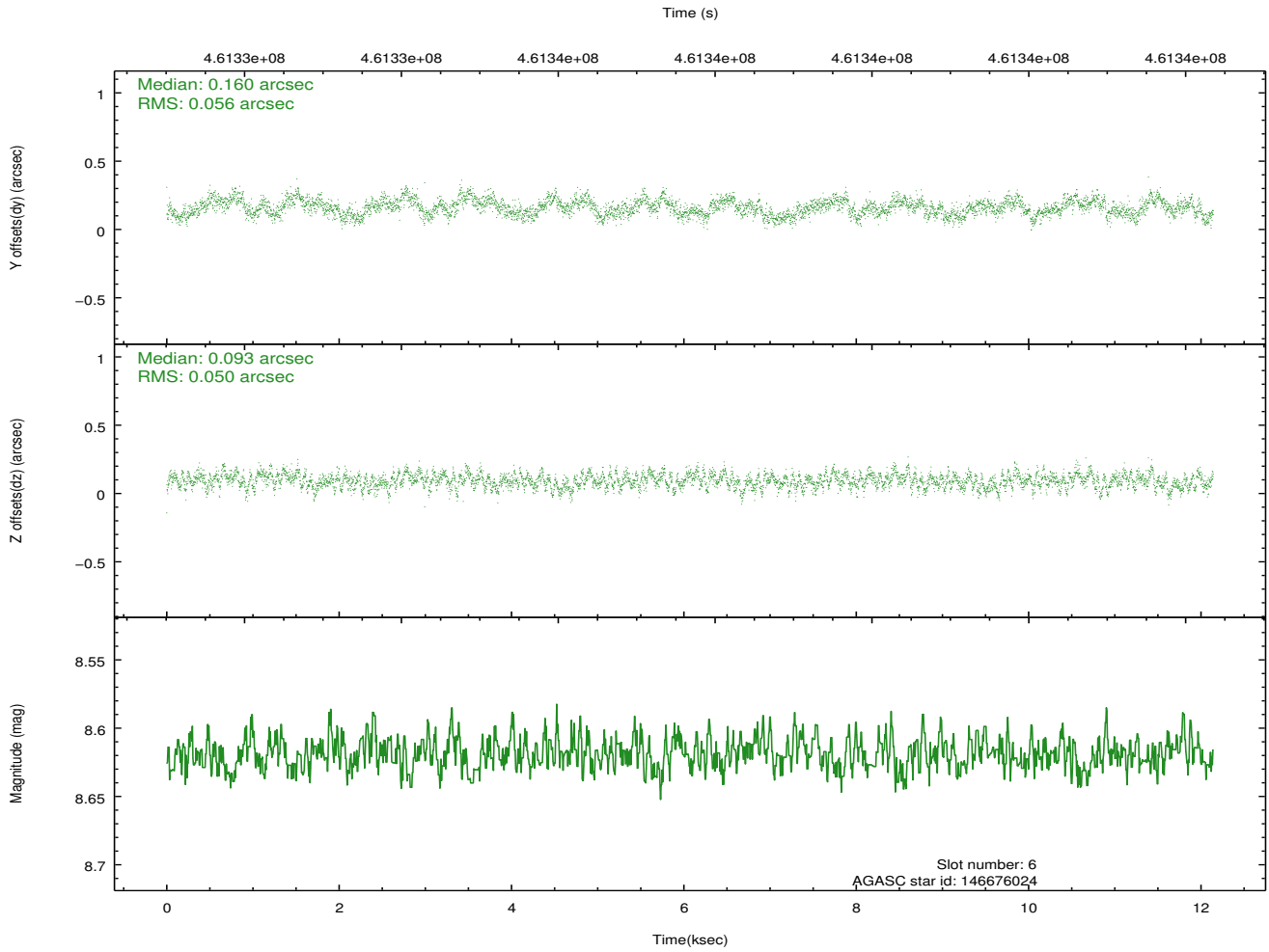
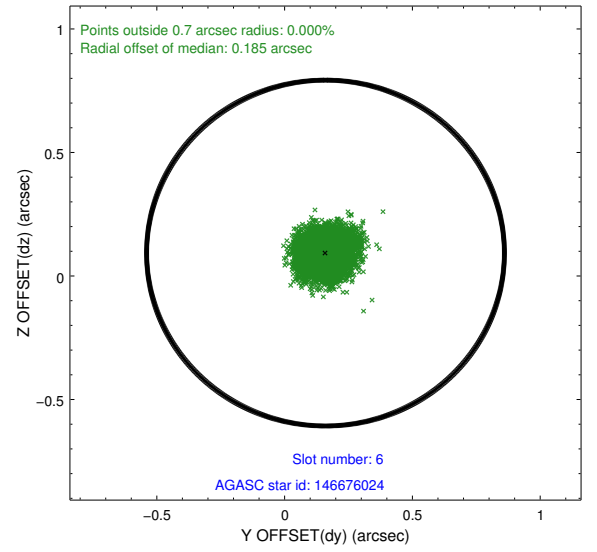
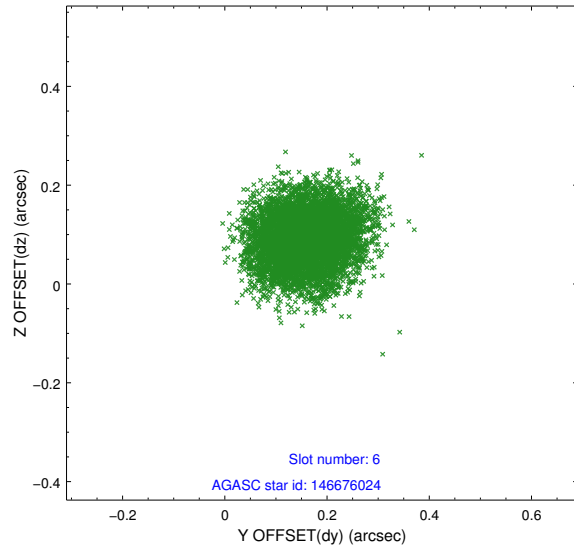
2.4.2 Slot 4



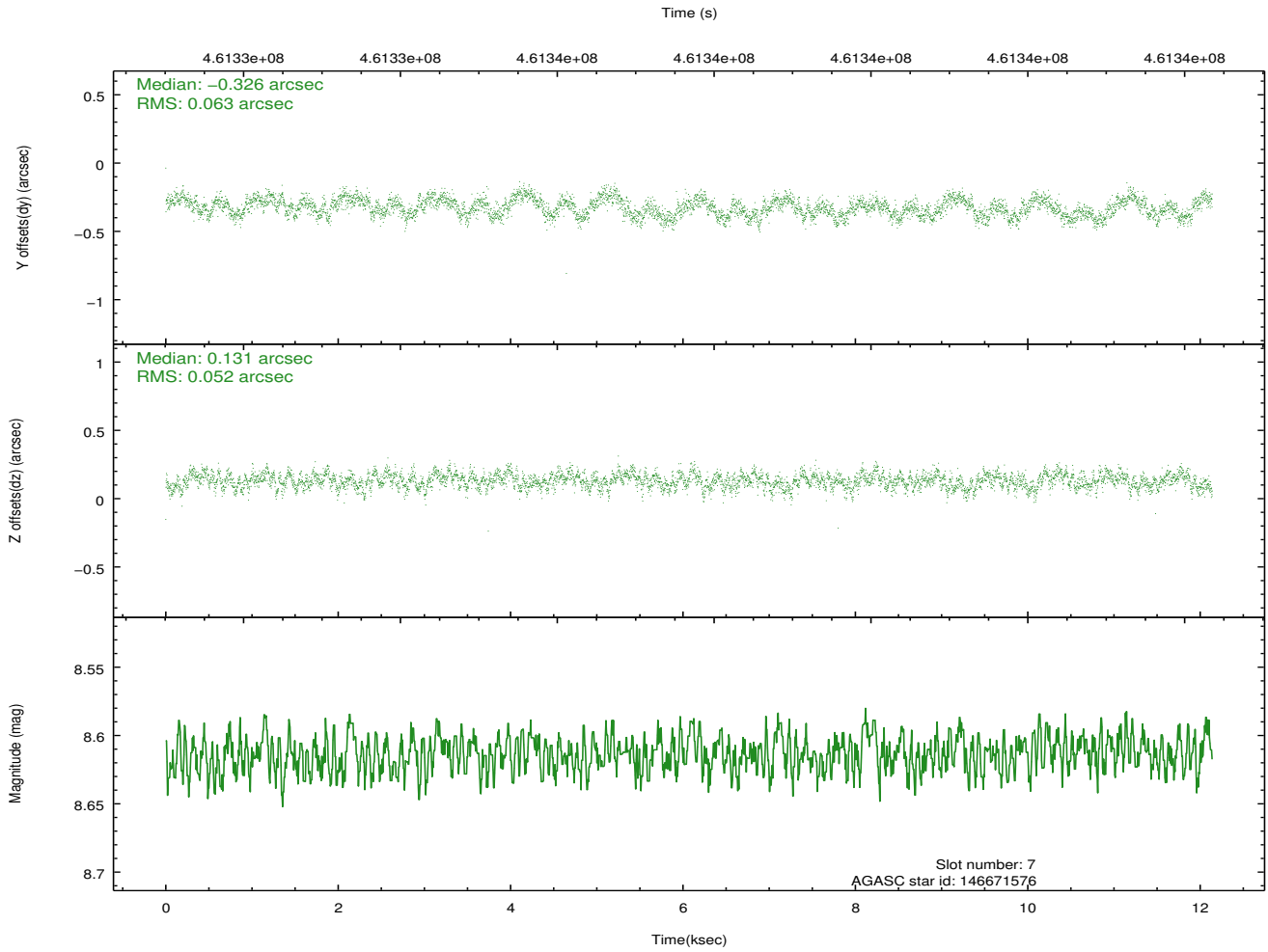
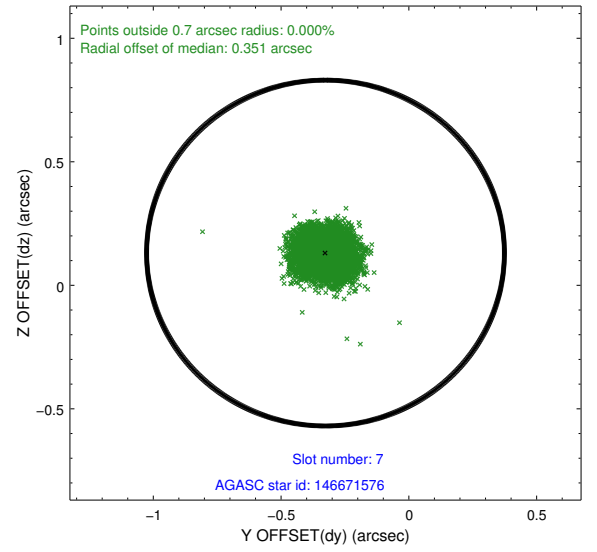
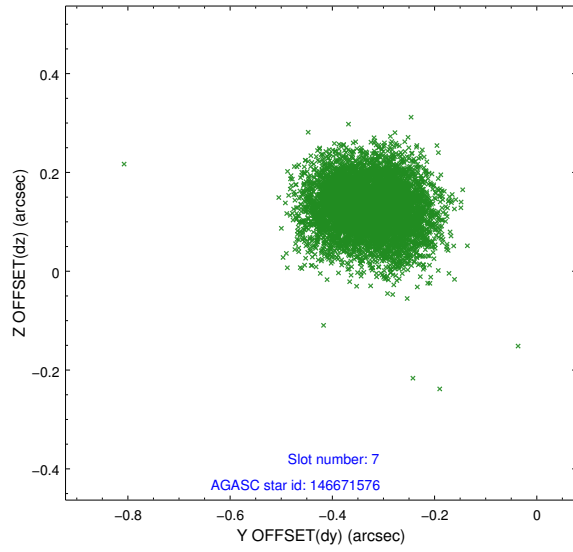
2.4.3 Slot 5



2.4.4 Slot 6

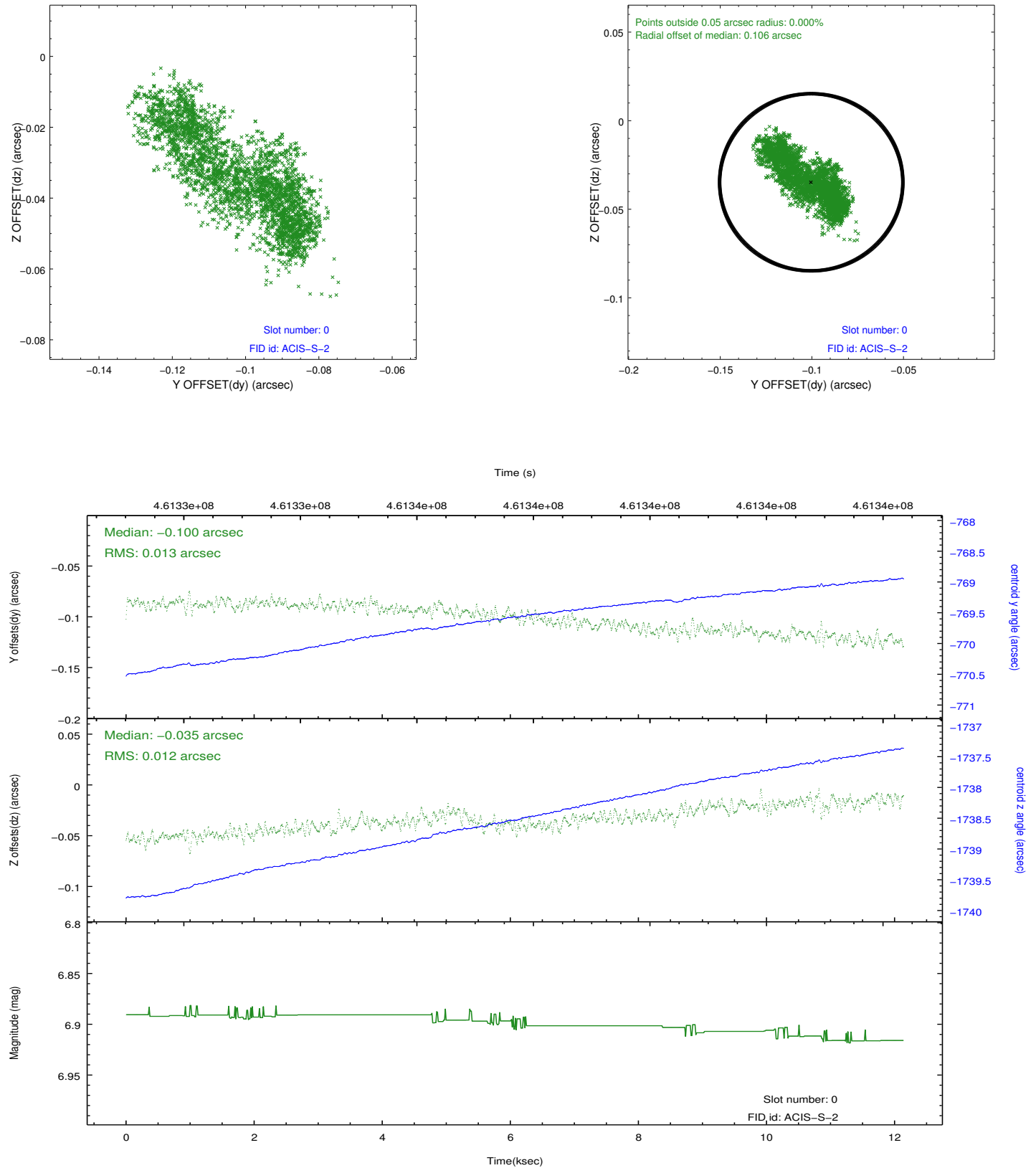


2.4.5 Slot 7

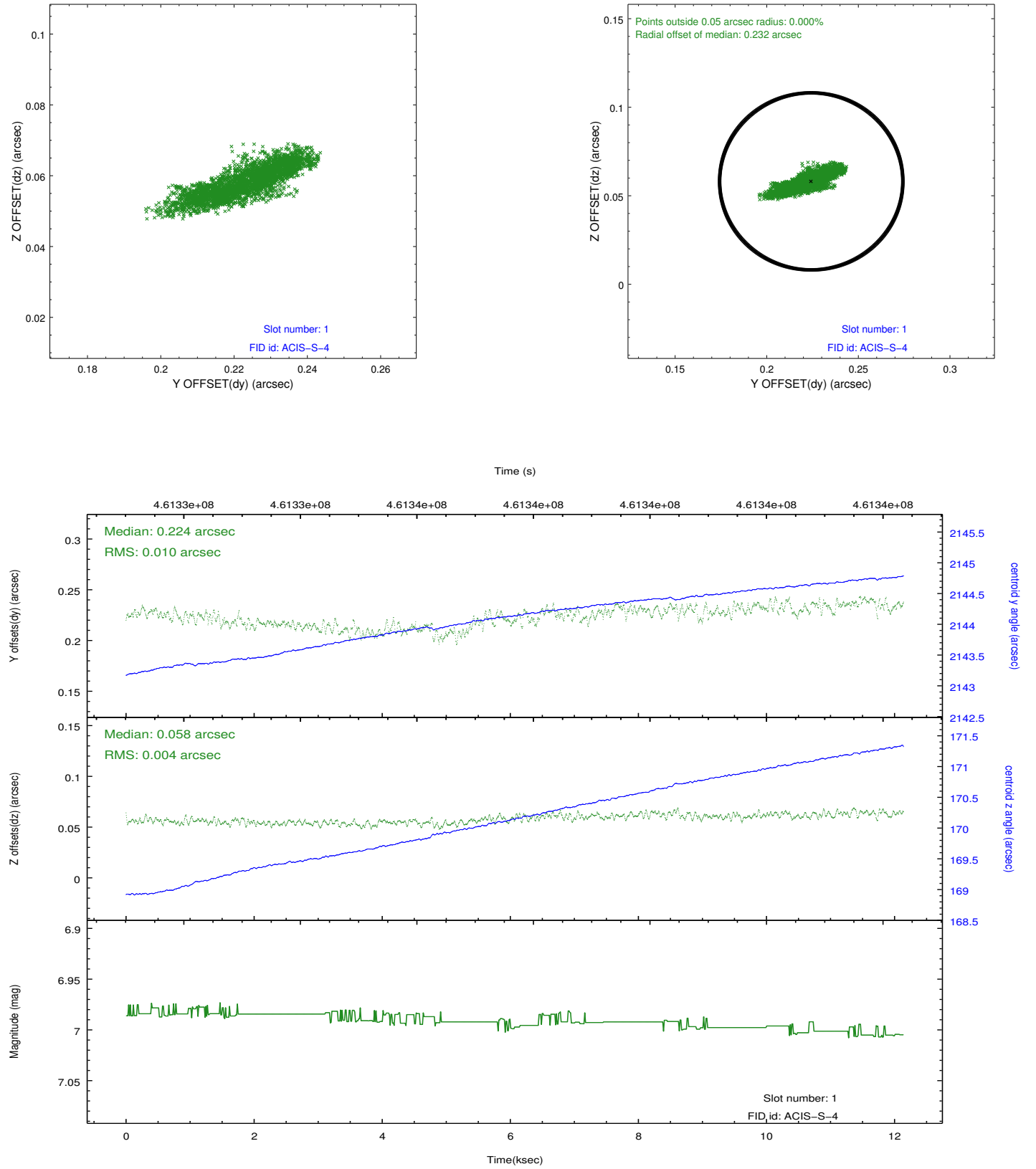


2.5 FID Slots

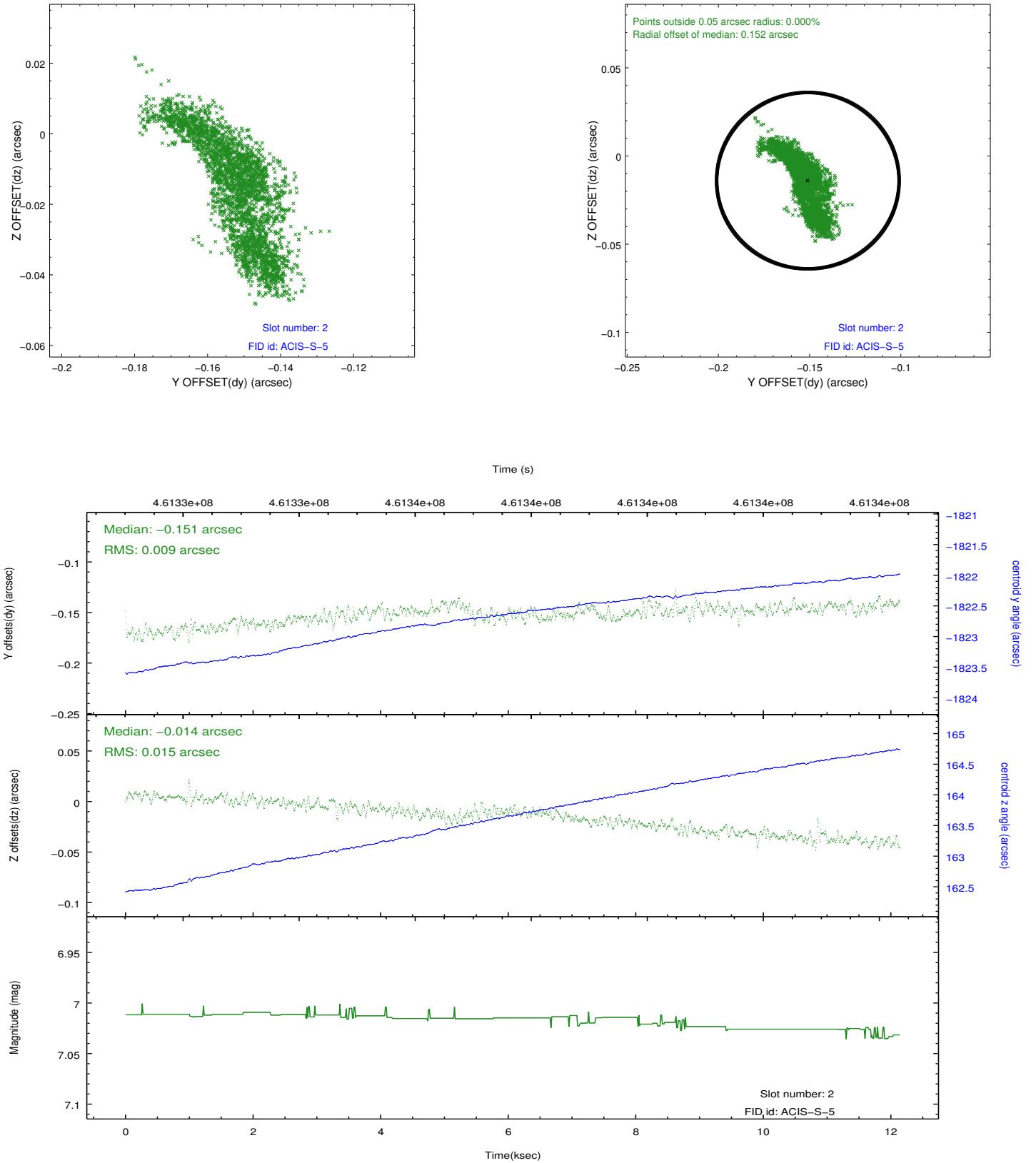
2.5.1 Slot 0



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)	2012.08.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.077600092888

A.2 Comments