

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 5436 - L2 Version 2
Chandra X-Ray Center

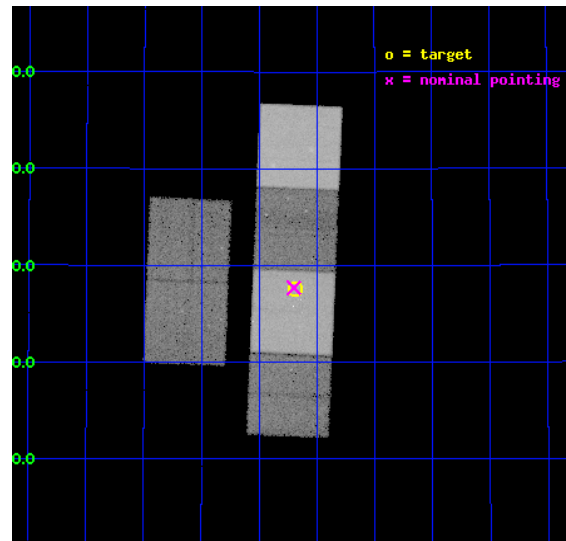
L2 Processing Date : Mar 28 2012

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

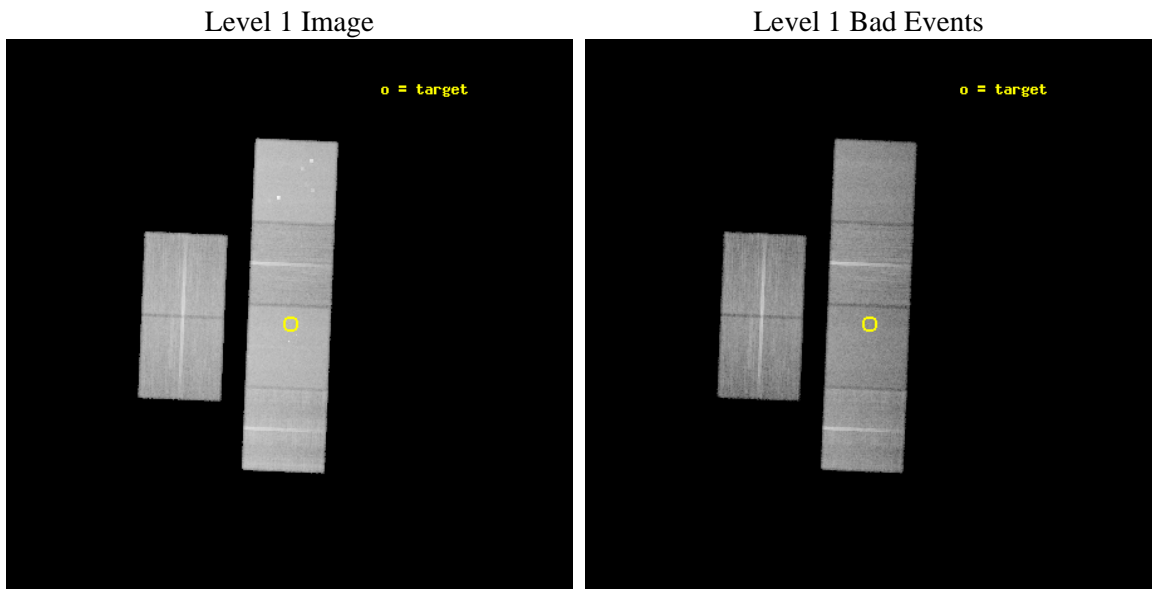
seq_num	300152	Sequence number
obs_id	5436	Observation id
title	A Uniform Study of Globular Cluster X-ray Sources: the Keys to Cluster Dynamical Evolution	Proposal title
observer	Prof. Walter Lewin	Principal investigator
object	NGC 6205	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	250.422917	Observer's specified target RA [deg]
dec_targ	36.460278	Observer's specified target Dec [deg]
ra_nom	250.42493973282	Nominal RA [deg]
dec_nom	36.461596615436	Nominal Dec [deg]
roll_nom	92.375434044212	Nominal Roll [deg]
revision	2	Processing version of data
ontime	27142.399898887	Sum of GTIs [s]
livetime	26798.706488176	Livetime [s]
ontime2	27142.399898887	Sum of GTIs [s]
ontime3	27142.399898887	Sum of GTIs [s]
ontime5	27142.399898887	Sum of GTIs [s]
ontime6	27142.399898887	Sum of GTIs [s]
ontime7	27142.399898887	Sum of GTIs [s]
ontime8	27142.399898887	Sum of GTIs [s]
l2events	379063	Number of level 2 events



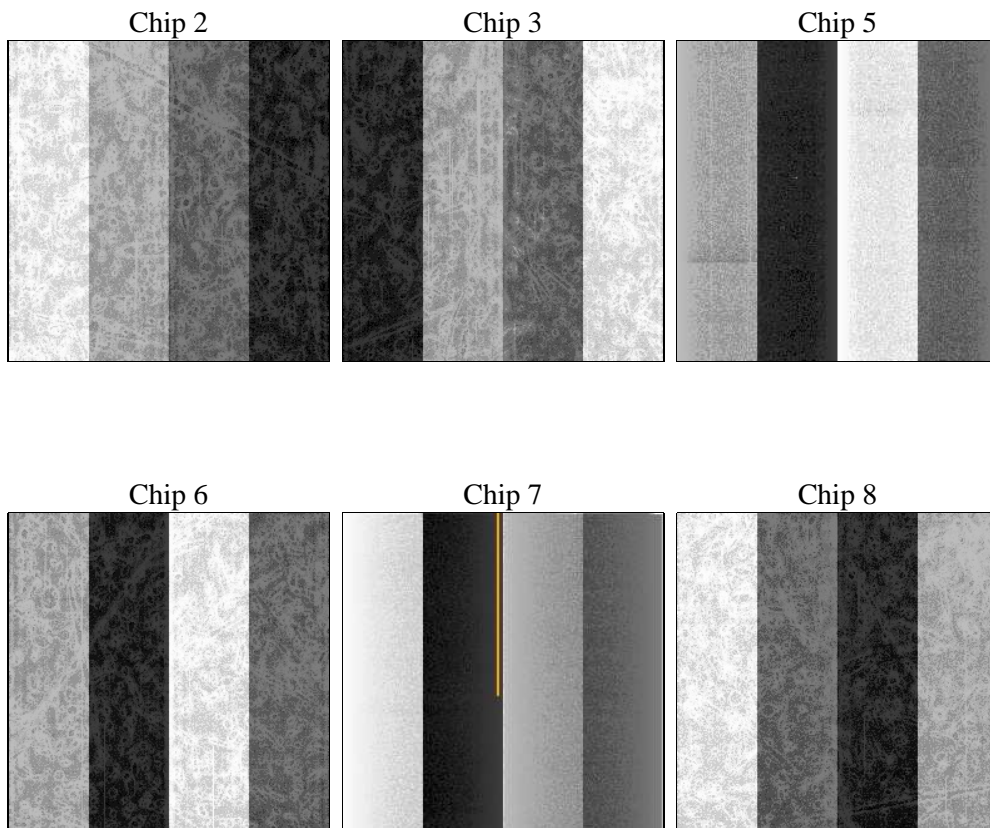
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	27000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	27142.399898887	Sum of GTIs [s]
caldsver	4.4.8	 	ontime2	27142.399898887	Sum of GTIs [s]
date	2012-03-28T03:55:22	Date and time of file creation	ontime3	27142.399898887	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	27142.399898887	Sum of GTIs [s]
			ontime6	27142.399898887	Sum of GTIs [s]
			ontime7	27142.399898887	Sum of GTIs [s]
			ontime8	27142.399898887	Sum of GTIs [s]
			l1events	1737054	Number of level 1 events

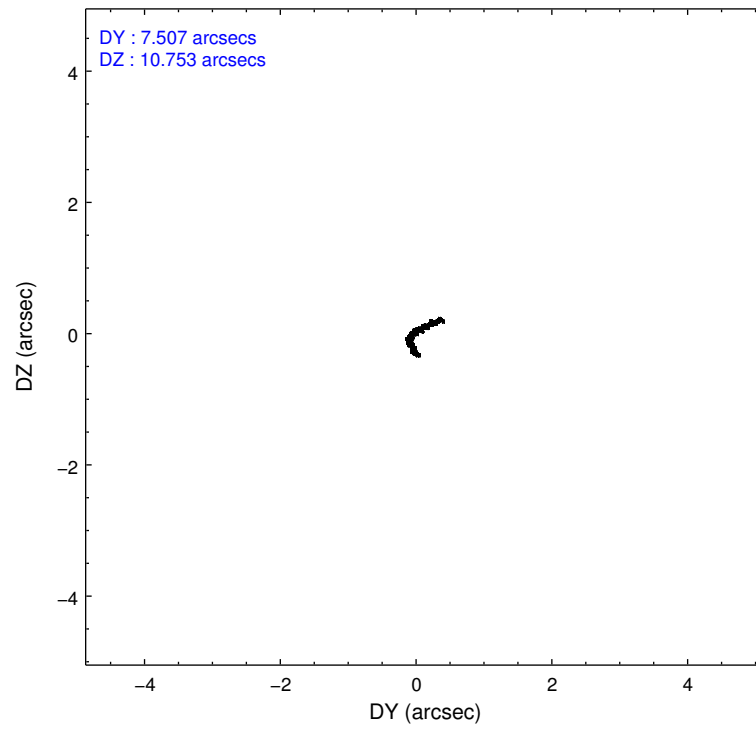
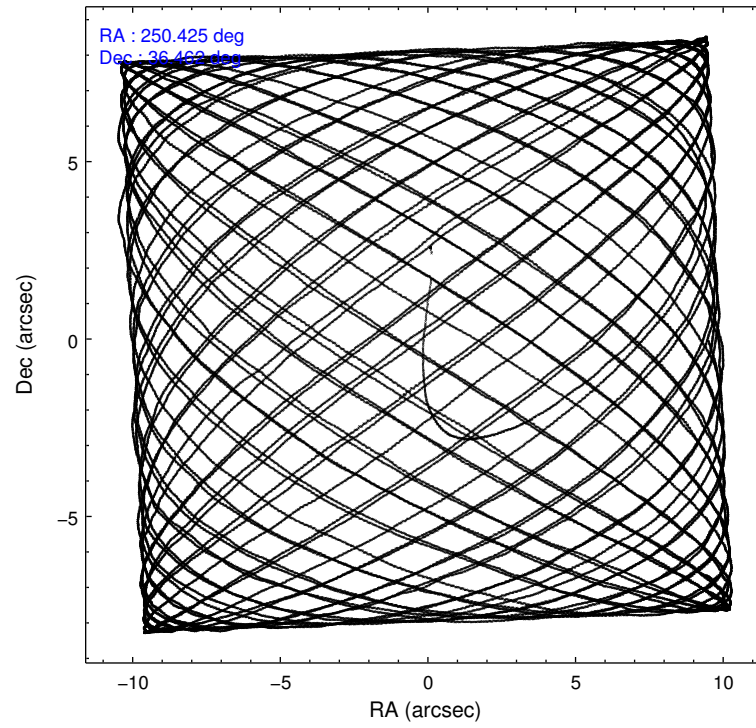
2.1.4 Events

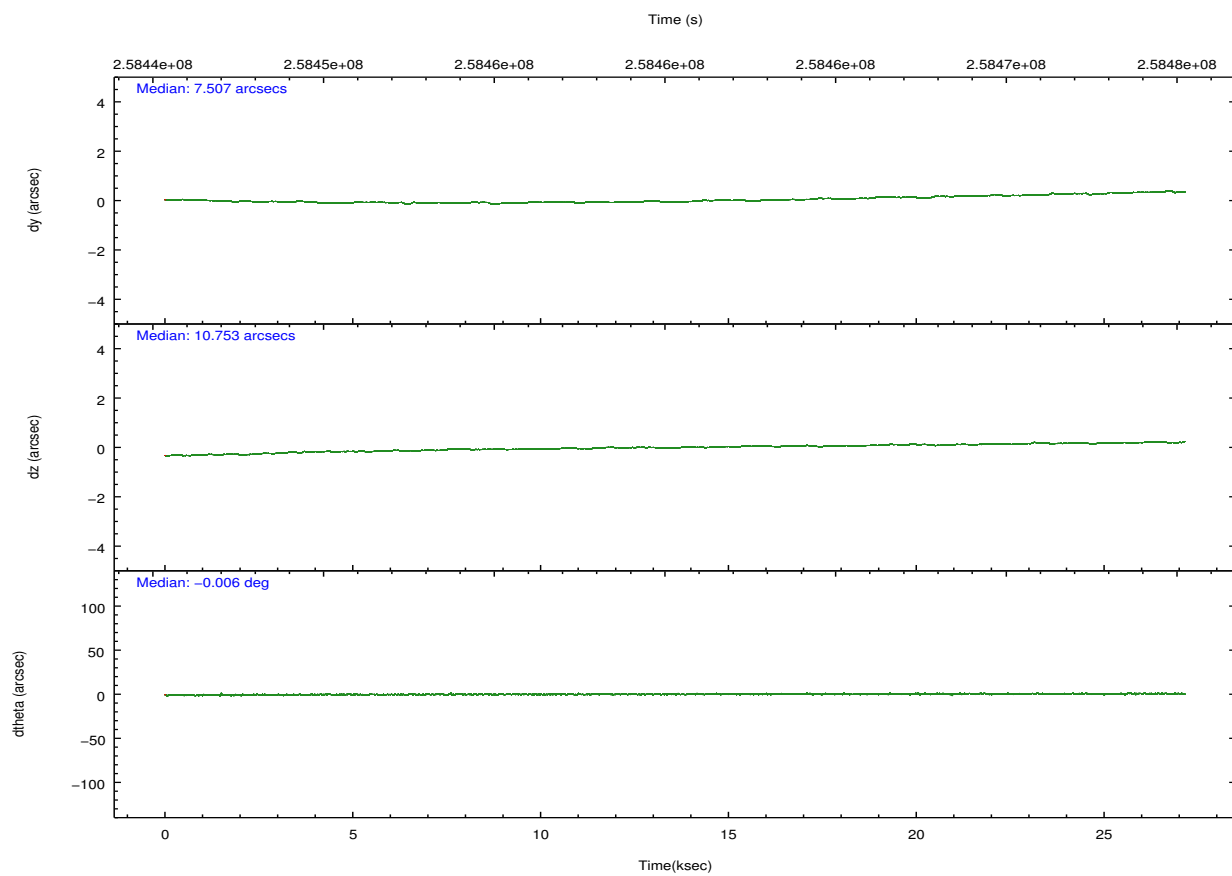
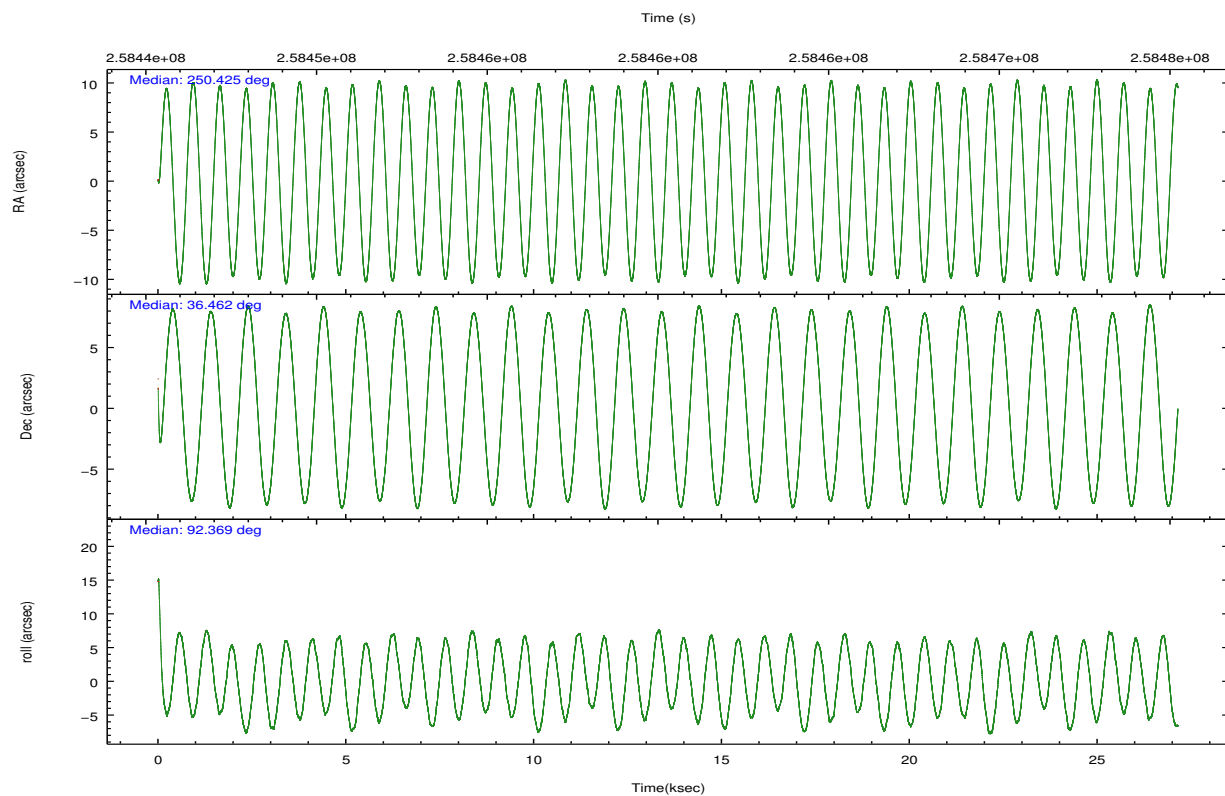
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	250487	231056	369216	243816	332434	310045	grade 0 events	12404	11978	17487	11227	12310	21715
rejected events	223267	204620	206083	216110	200498	244533		4%	5%	4%	4%	3%	7%
rejected %	89%	88%	55%	88%	60%	78%	grade 1 events	165	118	574	131	313	223
								0%	0%	0%	0%	0%	0%
							grade 2 events	5941	5288	50511	6256	27689	15124
								2%	2%	13%	2%	8%	4%
							grade 3 events	2675	2740	6528	2730	12135	7148
								1%	1%	1%	1%	3%	2%
							grade 4 events	2682	2672	6340	2781	12019	6610
								1%	1%	1%	1%	3%	2%
							grade 5 events	9311	10627	26714	11243	31220	15154
								3%	4%	7%	4%	9%	4%
							grade 6 events	4701	4862	89400	5882	73363	17636
								1%	2%	24%	2%	22%	5%
							grade 7 events	212608	192771	171662	203566	163385	226435
								84%	83%	46%	83%	49%	73%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	250.443444	250.4249397328217	Subarray requested	NONE	NONE
[deg] Pointing Dec	36.438787	36.46159661543613	Alternating exposures requested	N	N
[deg] Pointing Roll	92.207811	92.37543404421231	[s] Primary exposure time	0.000000	3.2
[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)	258446872.184000	258445239.44369			
Observation start date	2006-03-11T06:46:47	2006-03-11T06:20:39			
[s] Observation end time (MET)	258473872.184000	258474558.03255			
Observation end date	2006-03-11T14:16:47	2006-03-11T14:29:18			
Read mode	TIMED	TIMED			

2.3 Aspect



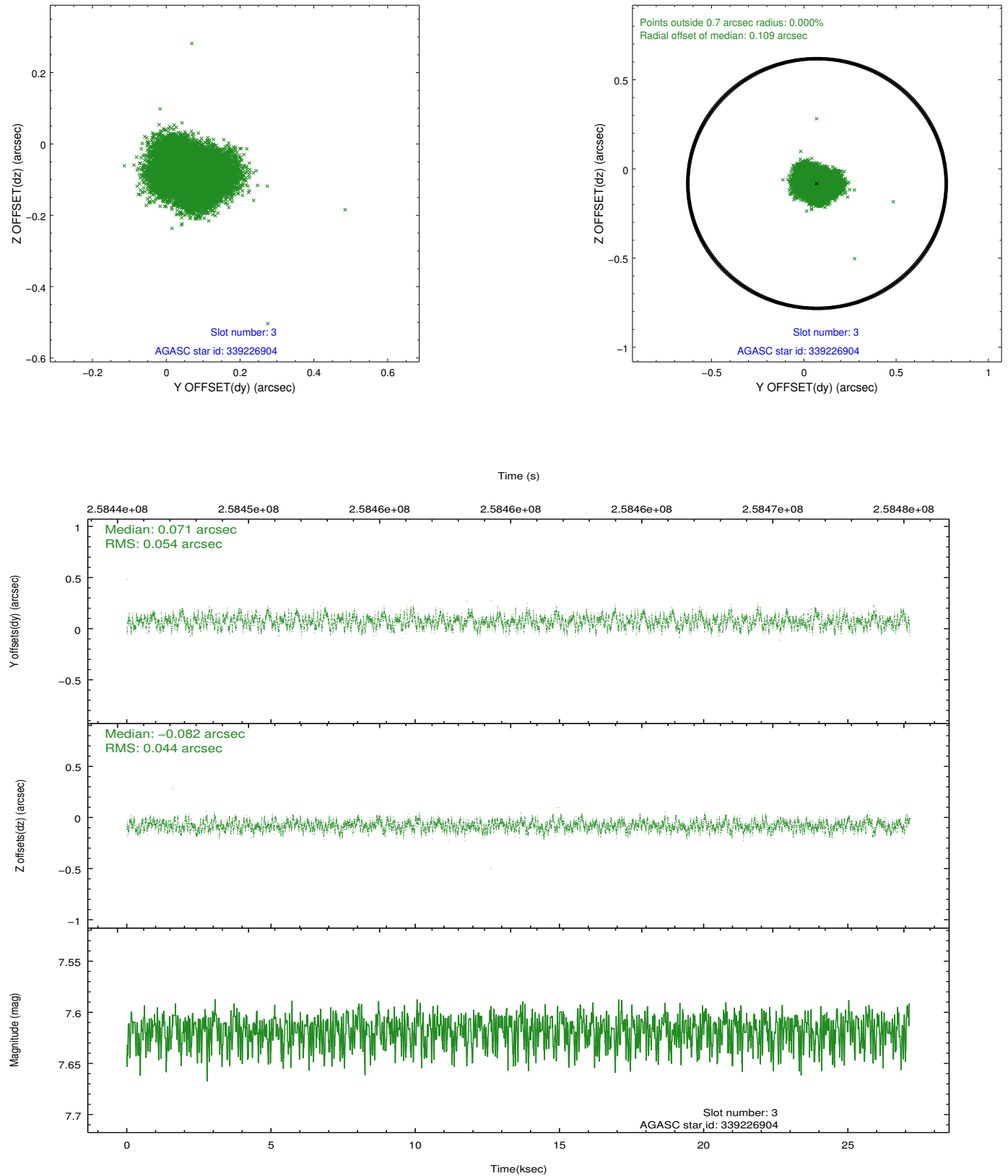


Slot Statistics

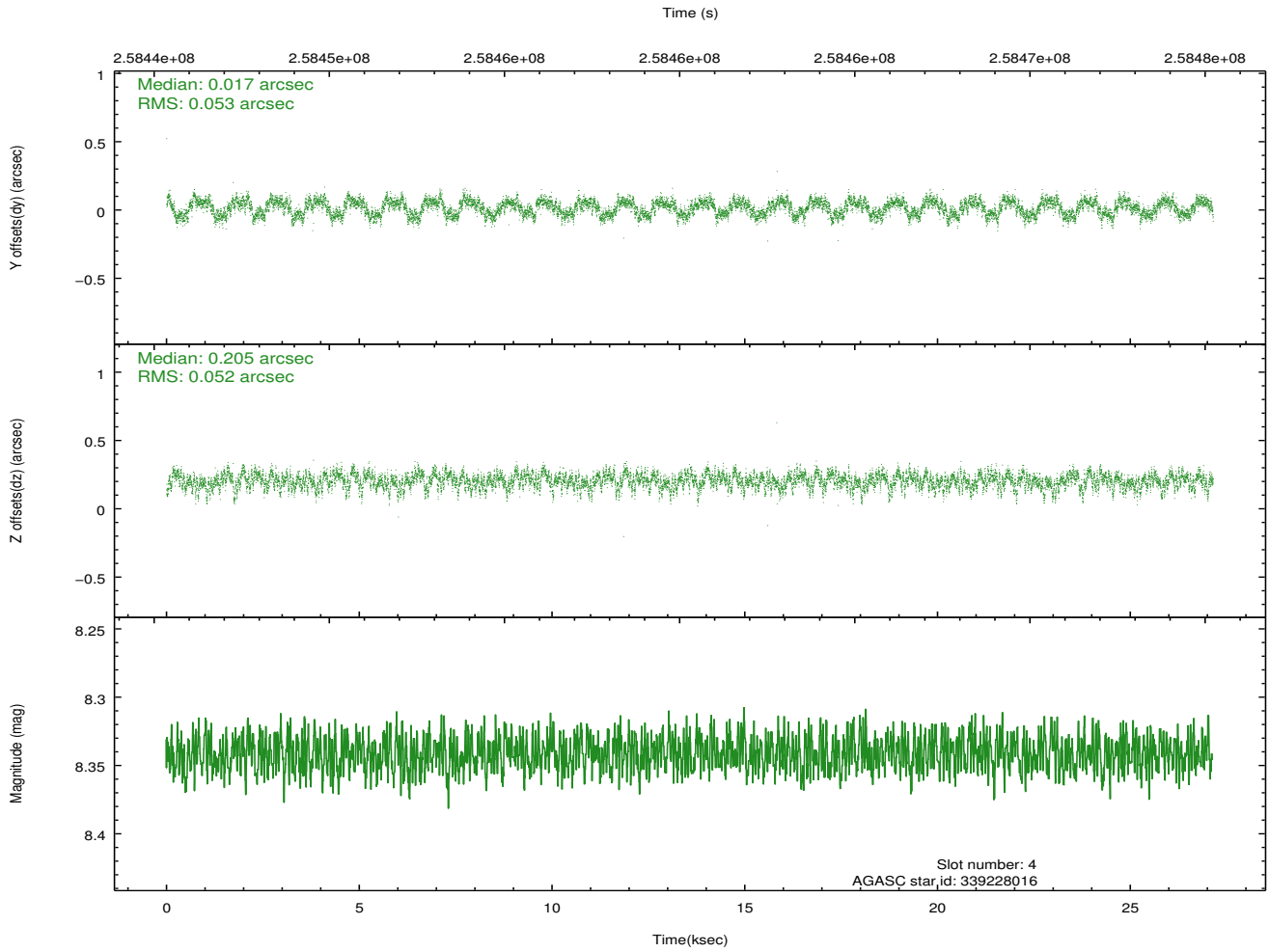
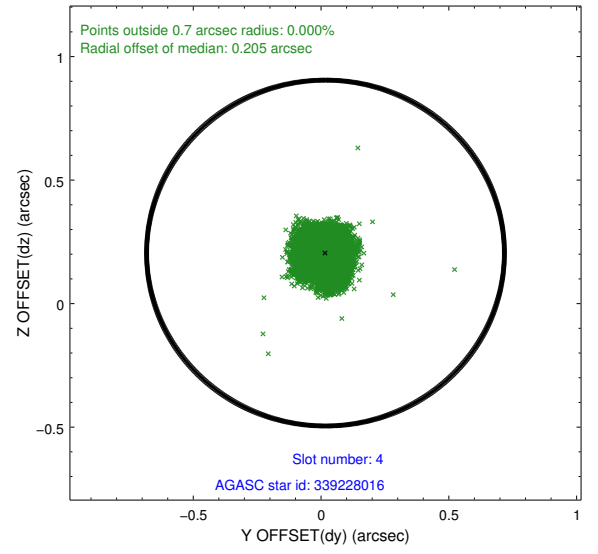
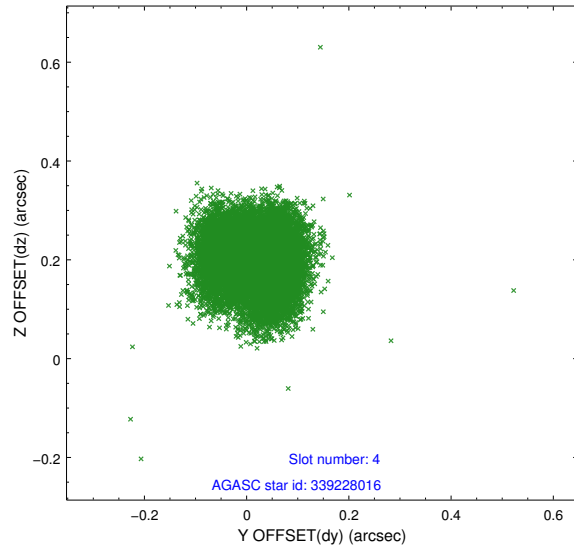
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	6621	0.013	-0.071	0.012	0.021	0.000000	0.000000	935.73	-1727.70
1	FID	ACIS-S-4	7.21	6622	0.084	0.047	0.009	0.015	0.000000	0.000000	2153.25	176.48
2	FID	ACIS-S-5	7.23	6622	-0.123	0.036	0.010	0.022	0.000000	0.000000	-1813.16	170.15
3	GUIDE	339226904	7.62	13242	0.071	-0.082	0.076	0.114	250.269095	36.201198	-834.71	538.90
4	GUIDE	339228016	8.34	13238	0.017	0.205	0.080	0.123	251.133850	36.257012	-723.68	-1977.41
5	GUIDE	339229464	8.98	13232	-0.054	-0.049	0.069	0.113	250.097731	37.037640	2194.58	909.74
6	GUIDE	339231568	8.36	13237	-0.160	0.129	0.071	0.114	250.815273	37.051074	2164.00	-1151.87
7	GUIDE	339223144	8.20	13240	0.129	-0.199	0.068	0.111	249.656598	35.892589	-1866.96	2368.41

2.4 Star Slots

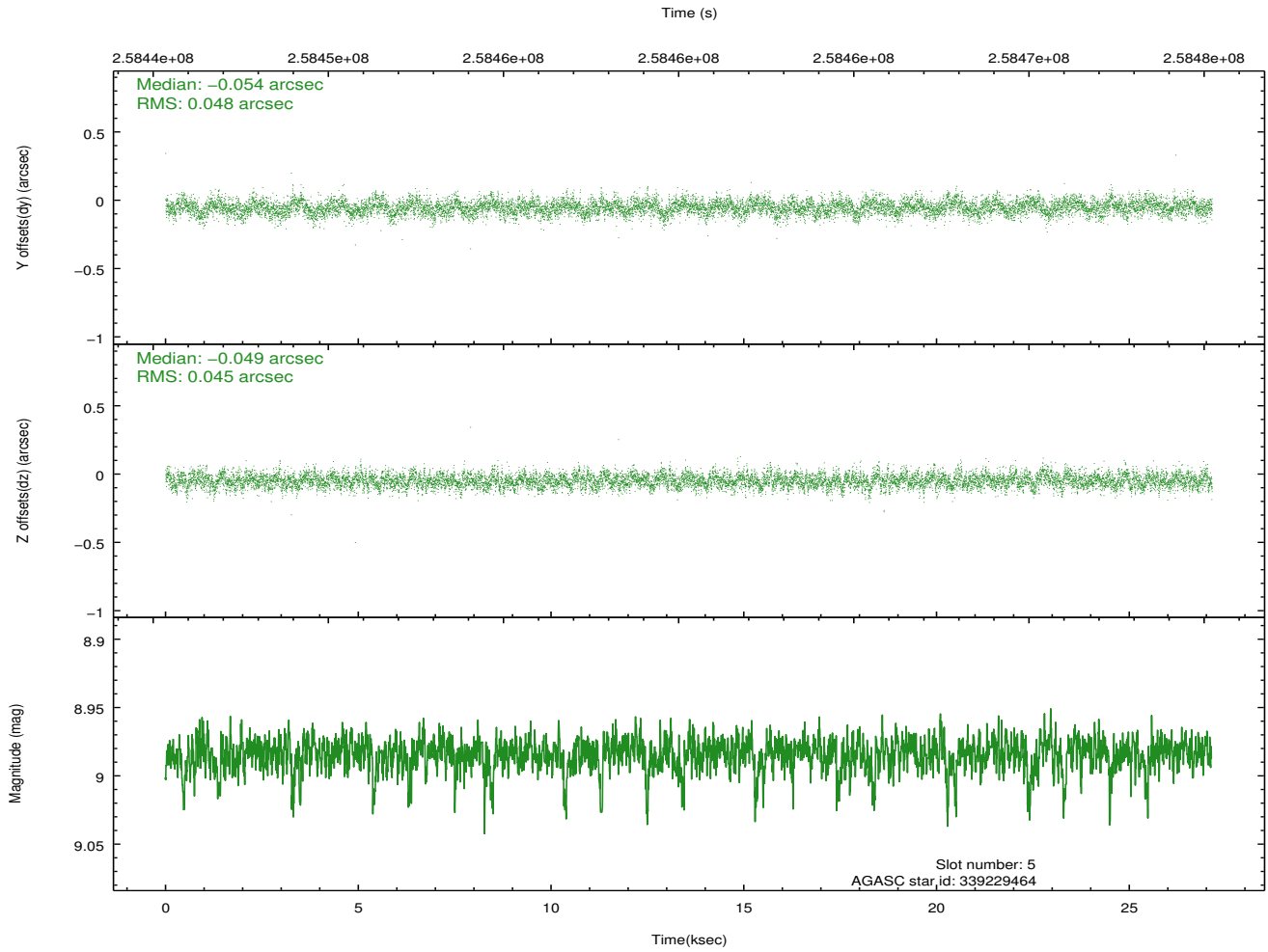
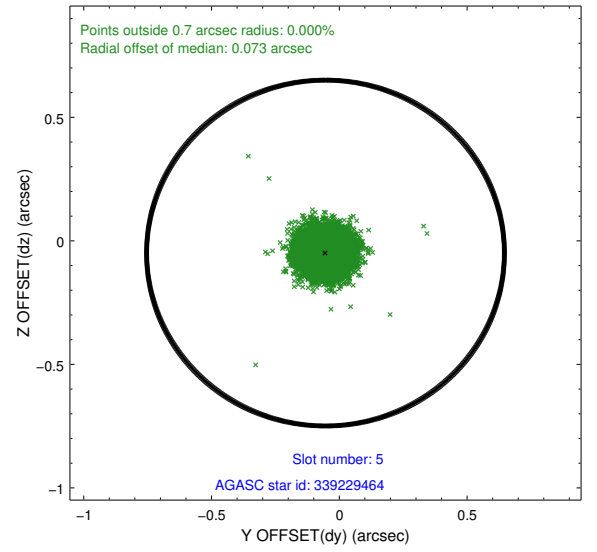
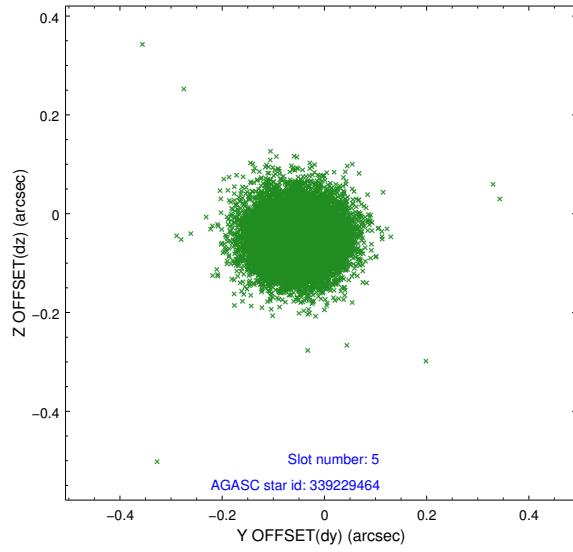
2.4.1 Slot 3



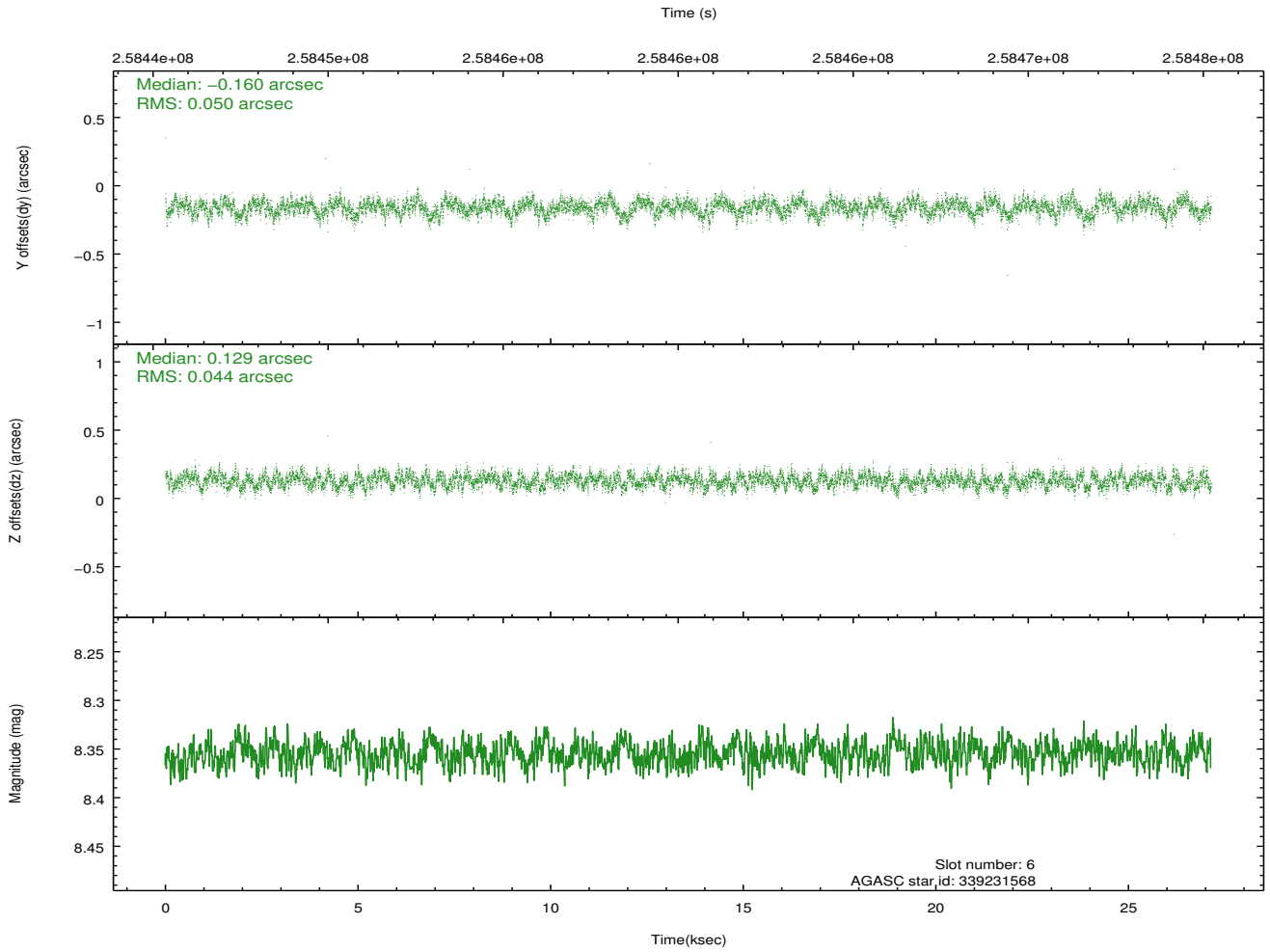
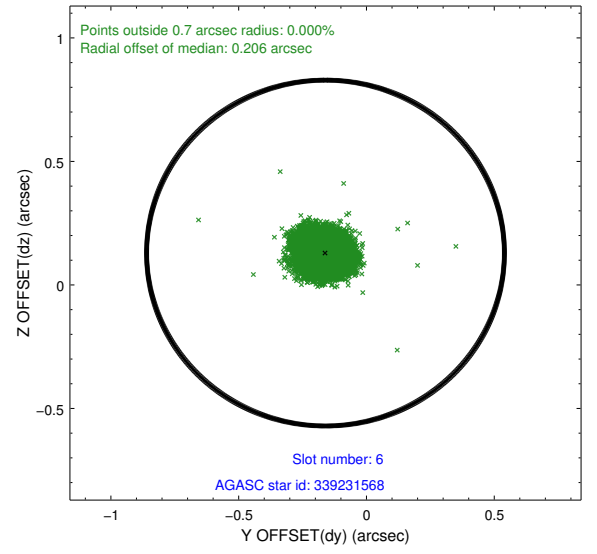
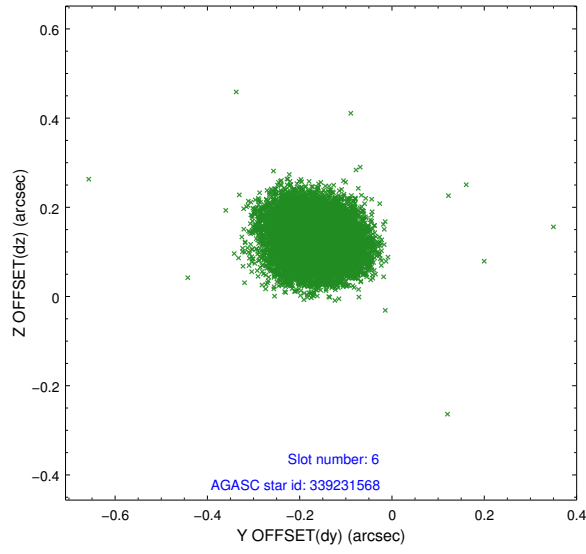
2.4.2 Slot 4



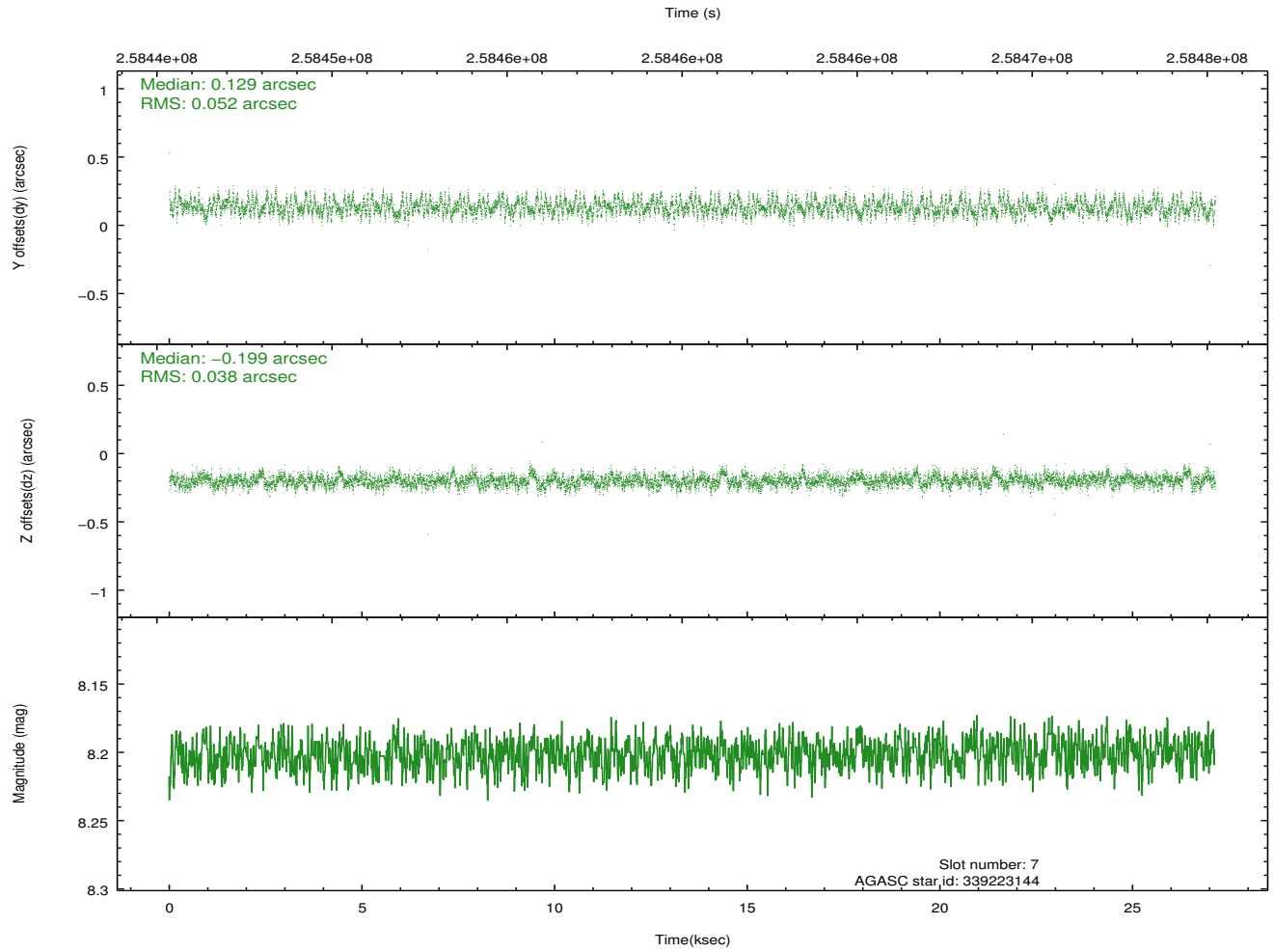
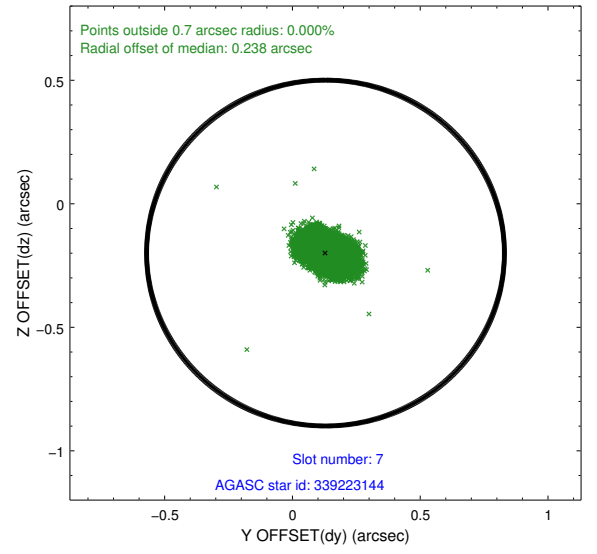
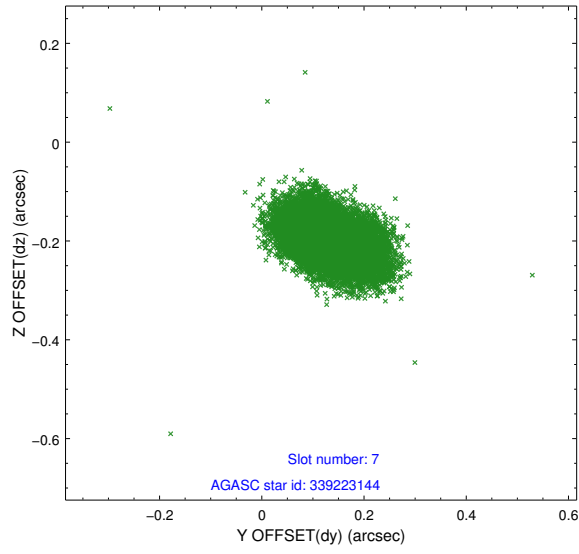
2.4.3 Slot 5



2.4.4 Slot 6

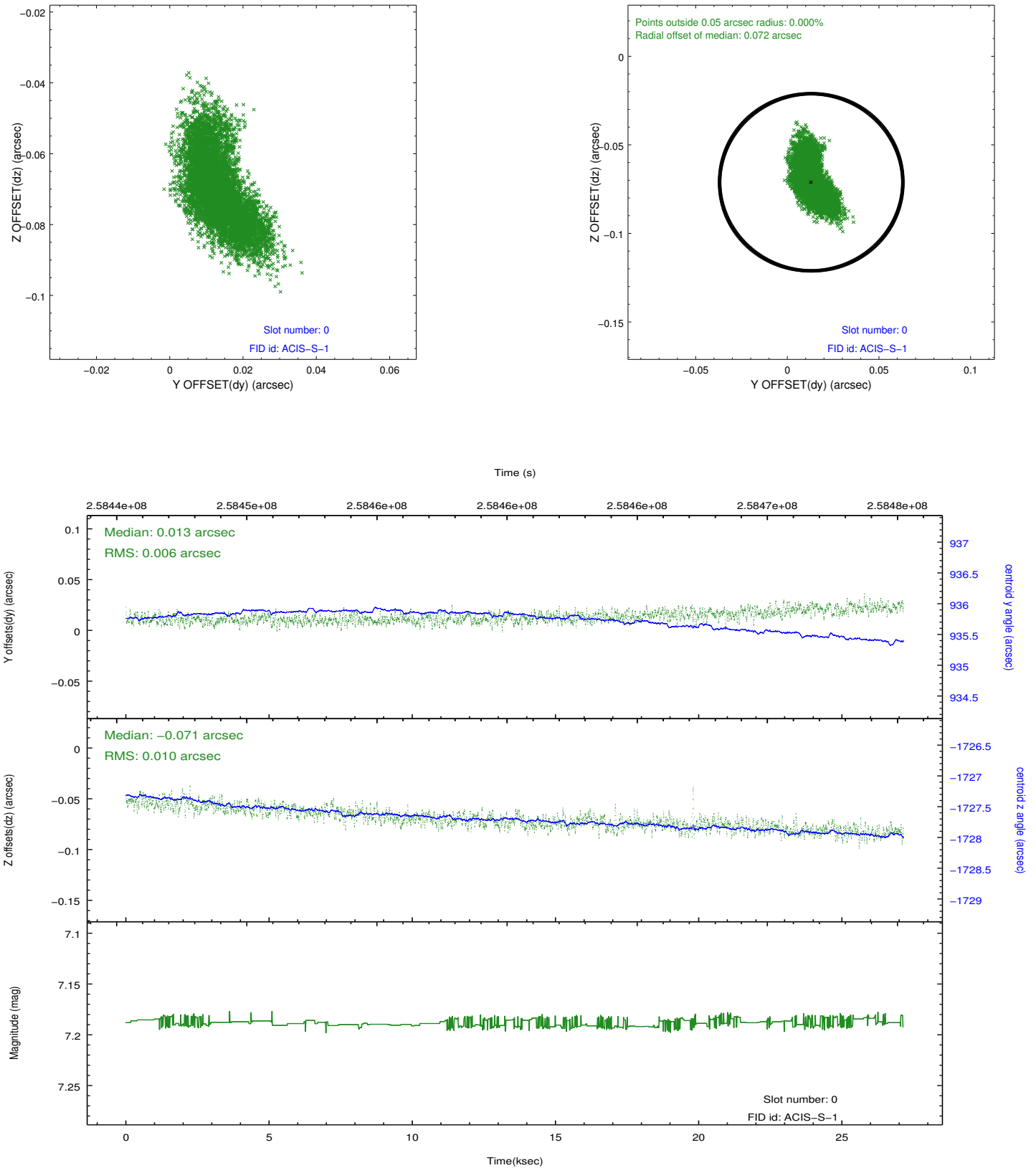


2.4.5 Slot 7

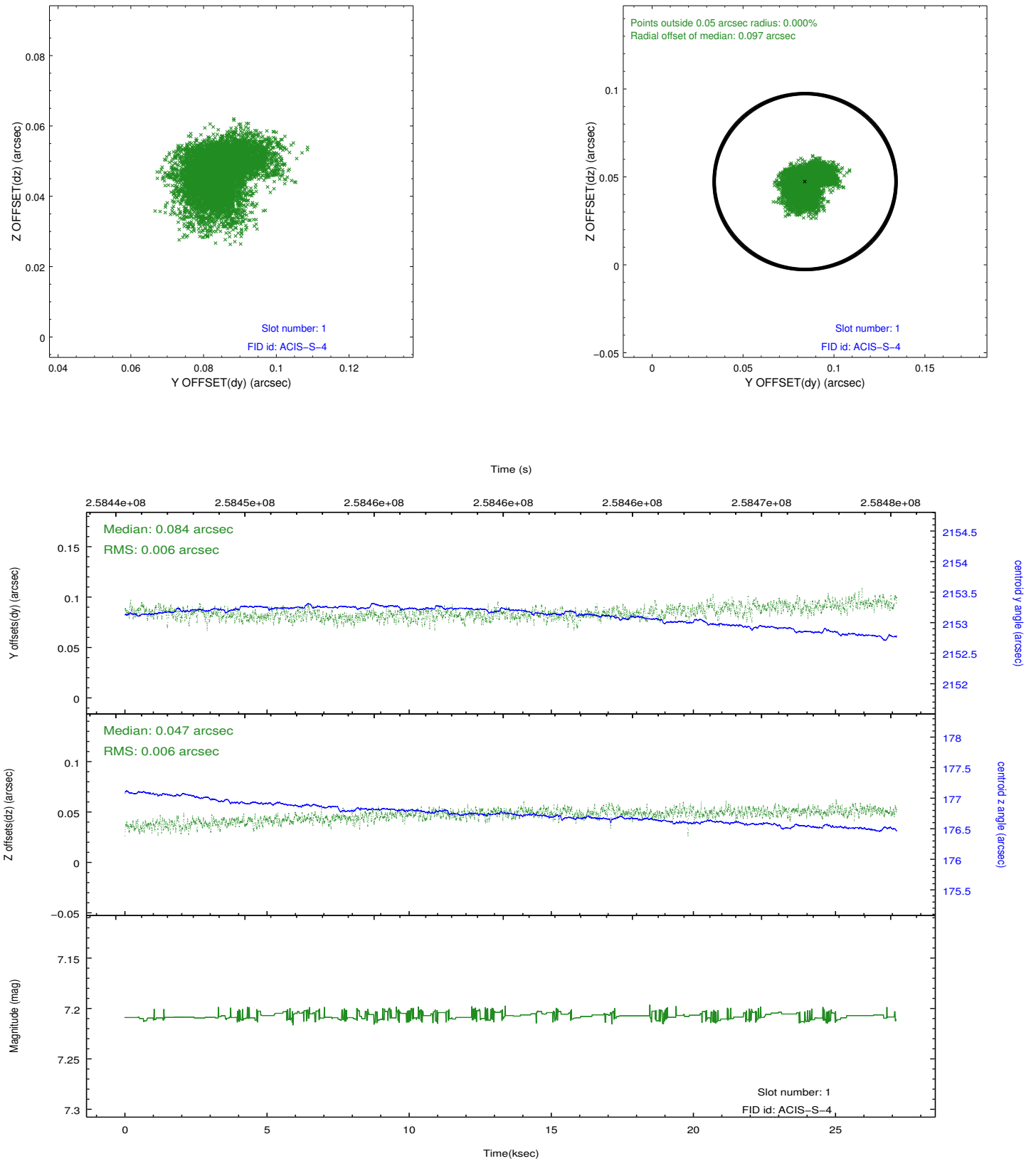


2.5 FID Slots

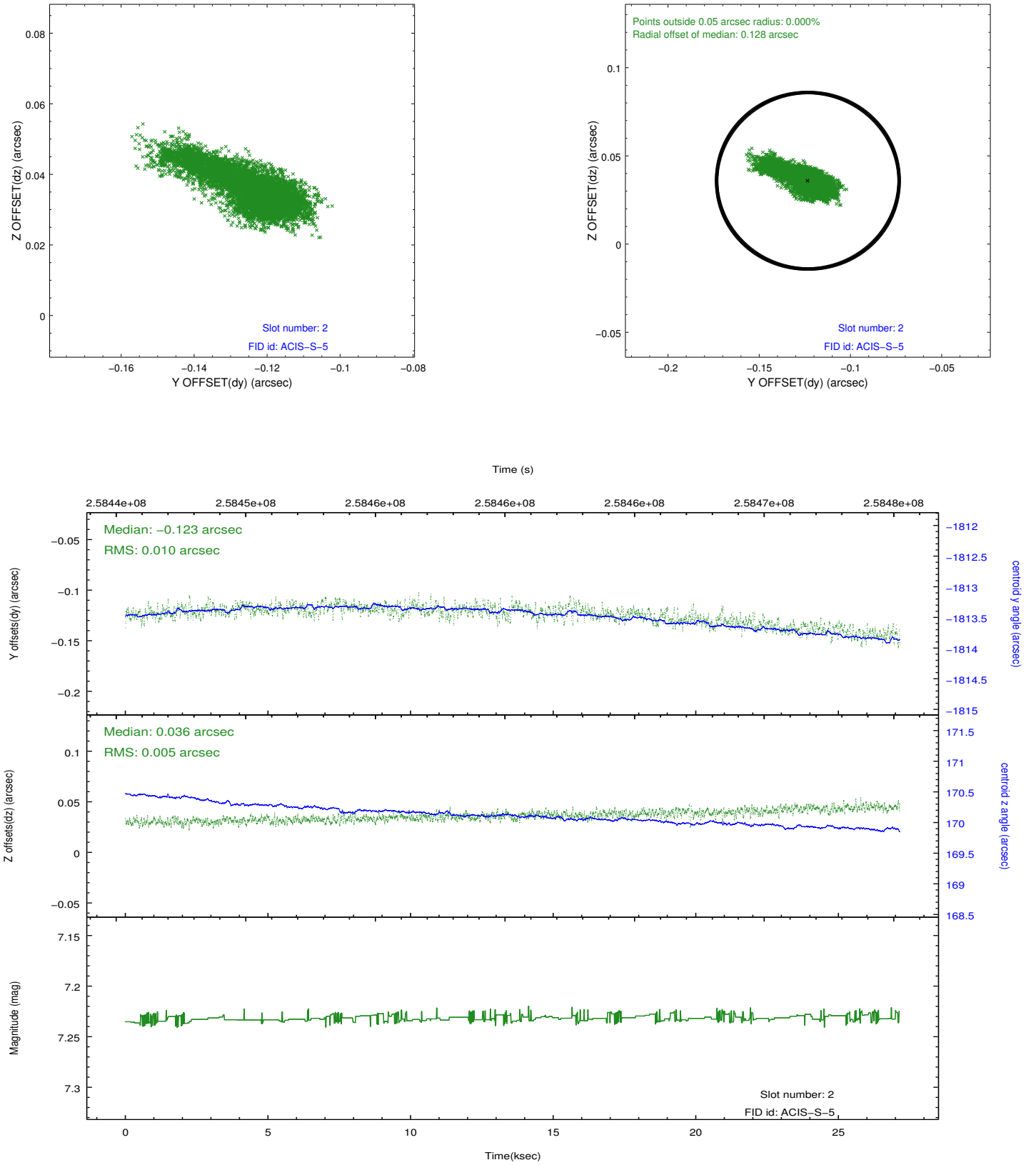
2.5.1 Slot 0



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)	2012.03.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	27.1423998

A.2 Comments

Joint Proposal: HST