

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9959 - L2 Version 2
Chandra X-Ray Center

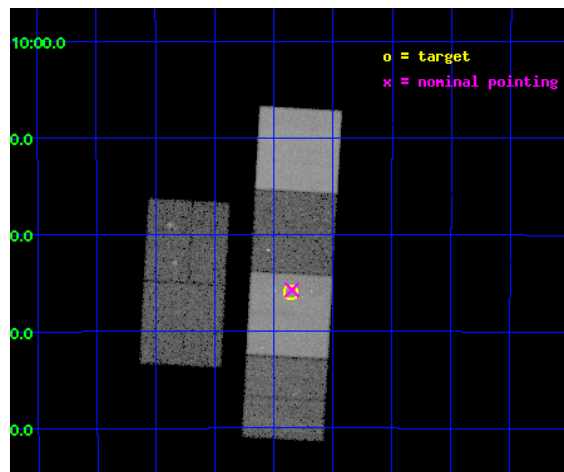
L2 Processing Date : Jun 1 2012

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1 Front

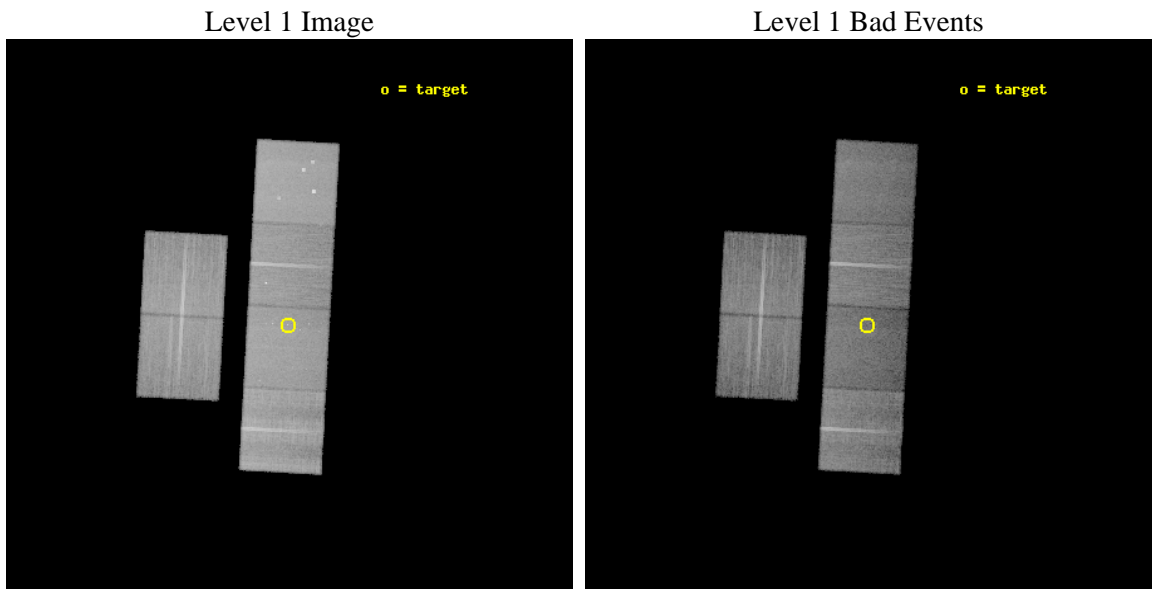
seq_num	300246	Sequence number
obs_id	9959	Observation id
title	Understanding the Current Dynamical States of Globular Clusters	Pr
observer	Prof. David Pooley	Principal investigator
object	NGC 6453	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.715417	Observer's specified target RA [deg]
dec_targ	-34.599167	Observer's specified target Dec [deg]
ra_nom	267.71206508889	Nominal RA [deg]
dec_nom	-34.595178161853	Nominal Dec [deg]
roll_nom	93.154738424565	Nominal Roll [deg]
revision	2	Processing version of data
ontime	21126.399921358	Sum of GTIs [s]
livetime	20858.884724763	Livetime [s]
ontime2	21126.399921358	Sum of GTIs [s]
ontime3	21126.399921358	Sum of GTIs [s]
ontime5	21126.399921358	Sum of GTIs [s]
ontime6	21123.158950984	Sum of GTIs [s]
ontime7	21126.399921358	Sum of GTIs [s]
ontime8	21119.918080211	Sum of GTIs [s]
l2events	295171	Number of level 2 events



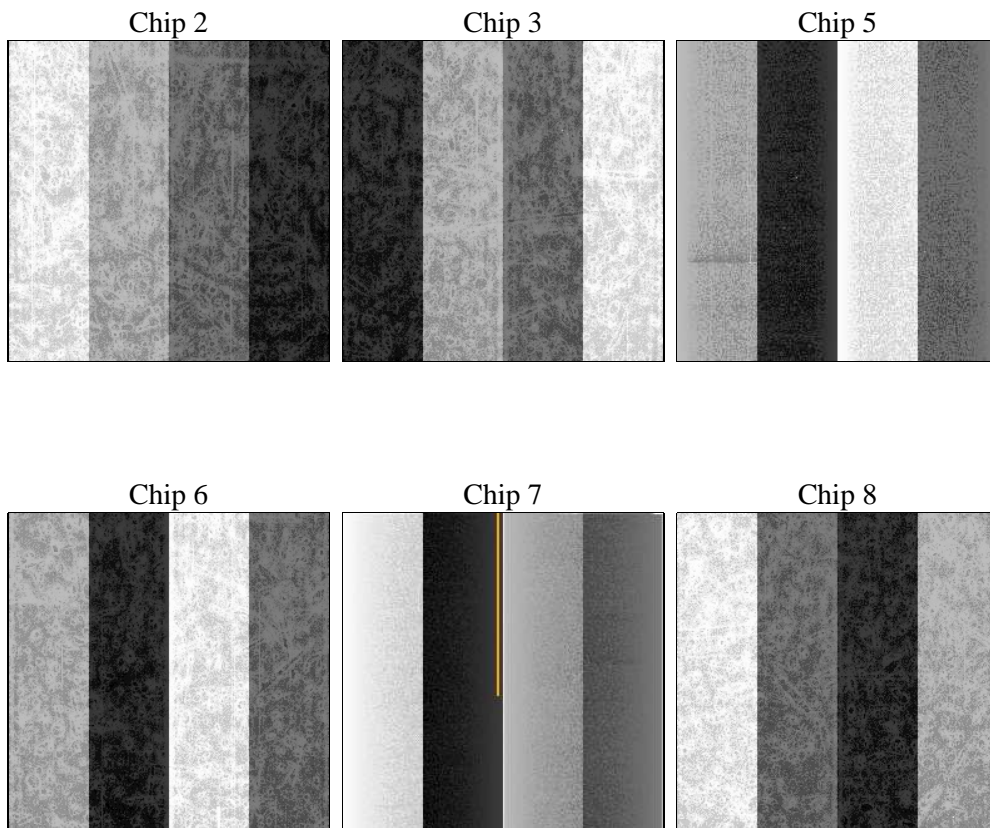
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	21000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	21126.399921358	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	21126.399921358	Sum of GTIs [s]
date	2012-06-01T10:34:50	Date and time of file creation	ontime3	21126.399921358	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	21126.399921358	Sum of GTIs [s]
			ontime6	21123.158950984	Sum of GTIs [s]
			ontime7	21126.399921358	Sum of GTIs [s]
			ontime8	21119.918080211	Sum of GTIs [s]
			l1events	1284909	Number of level 1 events

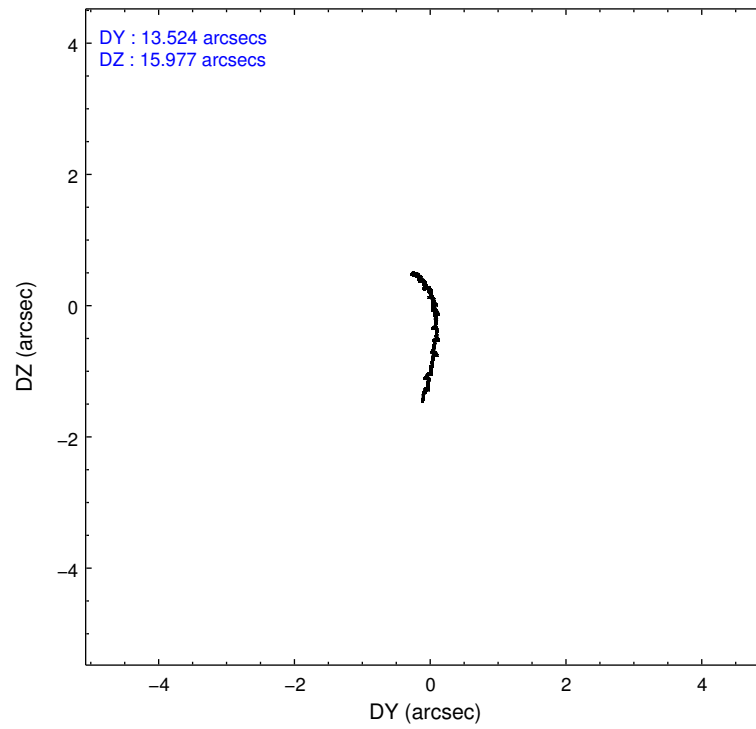
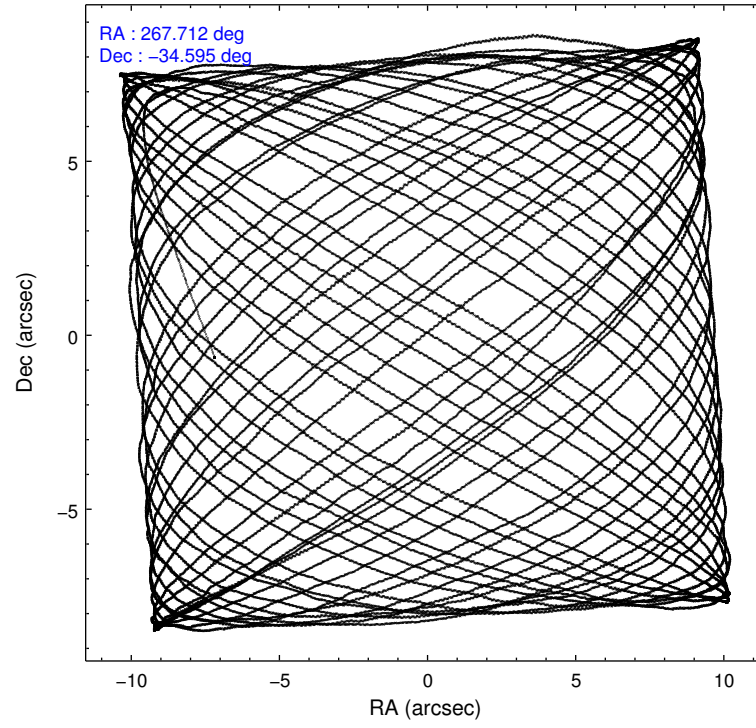
2.1.4 Events

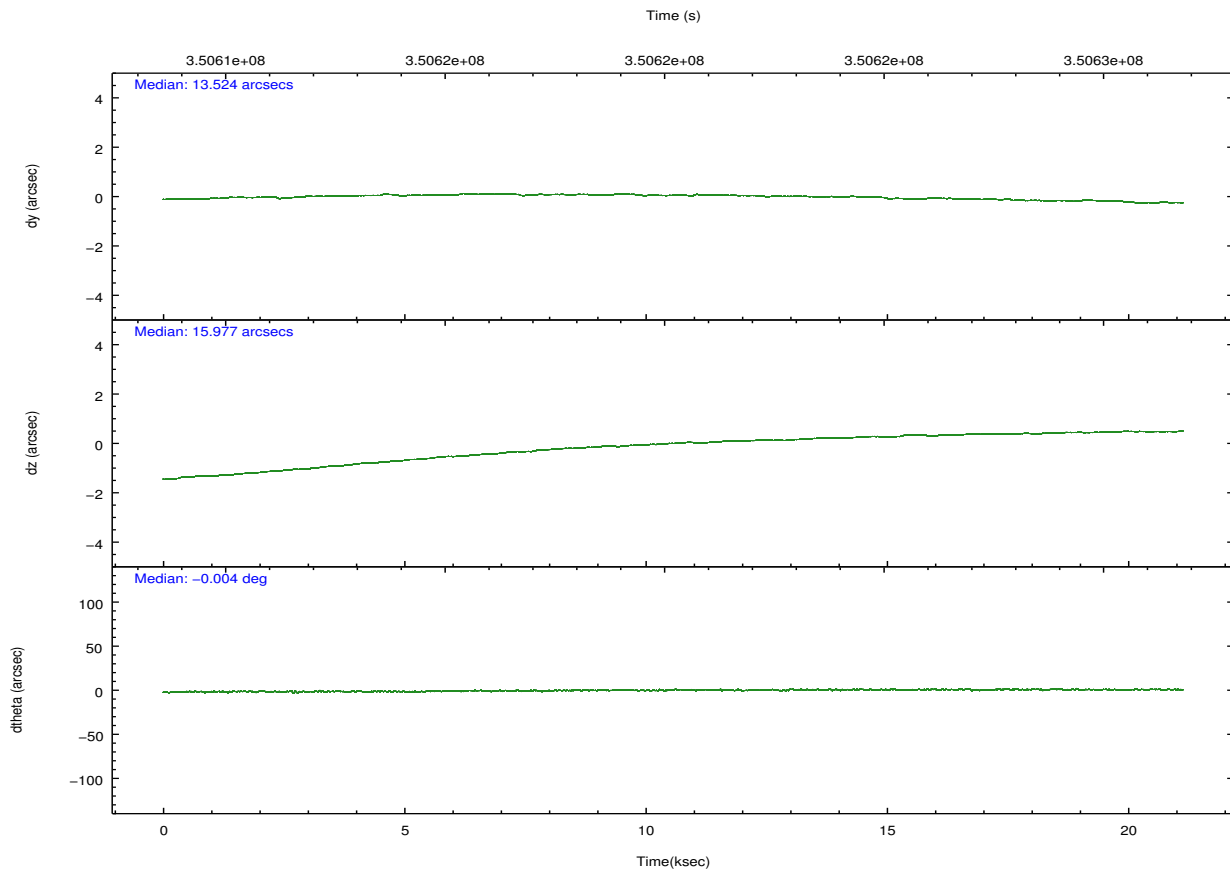
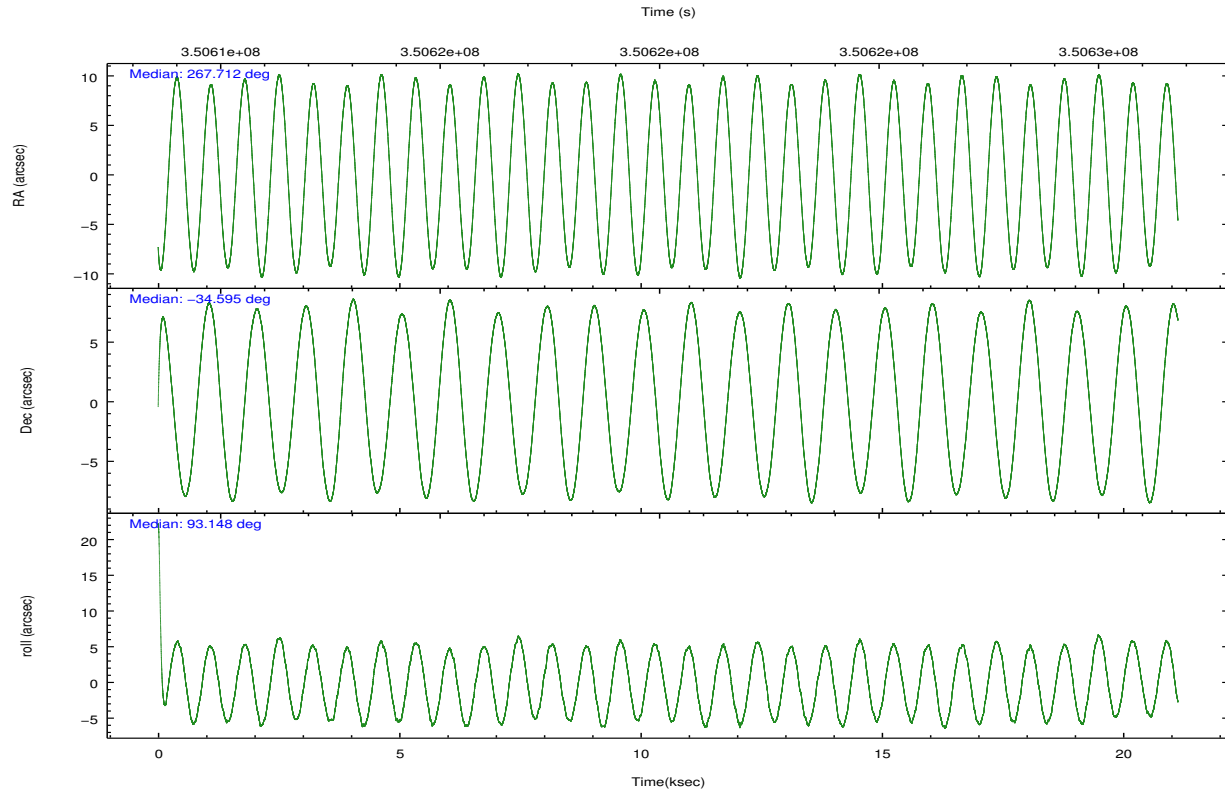
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	196560	180085	265531	191654	214054	237025	grade 0 events	8649	7988	17748	10625	10433	19910
rejected events	176249	161078	132462	168263	115425	175656		4%	4%	6%	5%	4%	8%
rejected %	89%	89%	49%	87%	53%	74%	grade 1 events	126	102	579	126	297	211
								0%	0%	0%	0%	0%	0%
							grade 2 events	4727	3889	39379	4720	20825	13978
								2%	2%	14%	2%	9%	5%
							grade 3 events	1963	1969	5623	2166	9400	6266
								0%	1%	2%	1%	4%	2%
							grade 4 events	1907	1996	5415	2122	9184	5898
								0%	1%	2%	1%	4%	2%
							grade 5 events	6550	7366	20537	7607	22120	10905
								3%	4%	7%	3%	10%	4%
							grade 6 events	3412	3481	67249	4157	50522	16201
								1%	1%	25%	2%	23%	6%
							grade 7 events	169226	153294	109001	160131	91273	163656
								86%	85%	41%	83%	42%	69%

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	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	267.730603	267.7120650888895	CCD I2 on	O2	Y
[deg] Pointing Dec	-34.617868	-34.59517816185307	CCD I3 on	O1	Y
[deg] Pointing Roll	93.008626	93.15473842456471	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[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	Y	Y
[s] Observation start time (MET)	350609755.184000	350608525.05617	CCD S5 on	N	N
Observation start date	2009-02-09T23:34:49	2009-02-09T23:15:25	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	350630755.184000	350631086.84479	On-chip summing requested	N	N
Observation end date	2009-02-10T05:24:49	2009-02-10T05:31:26	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



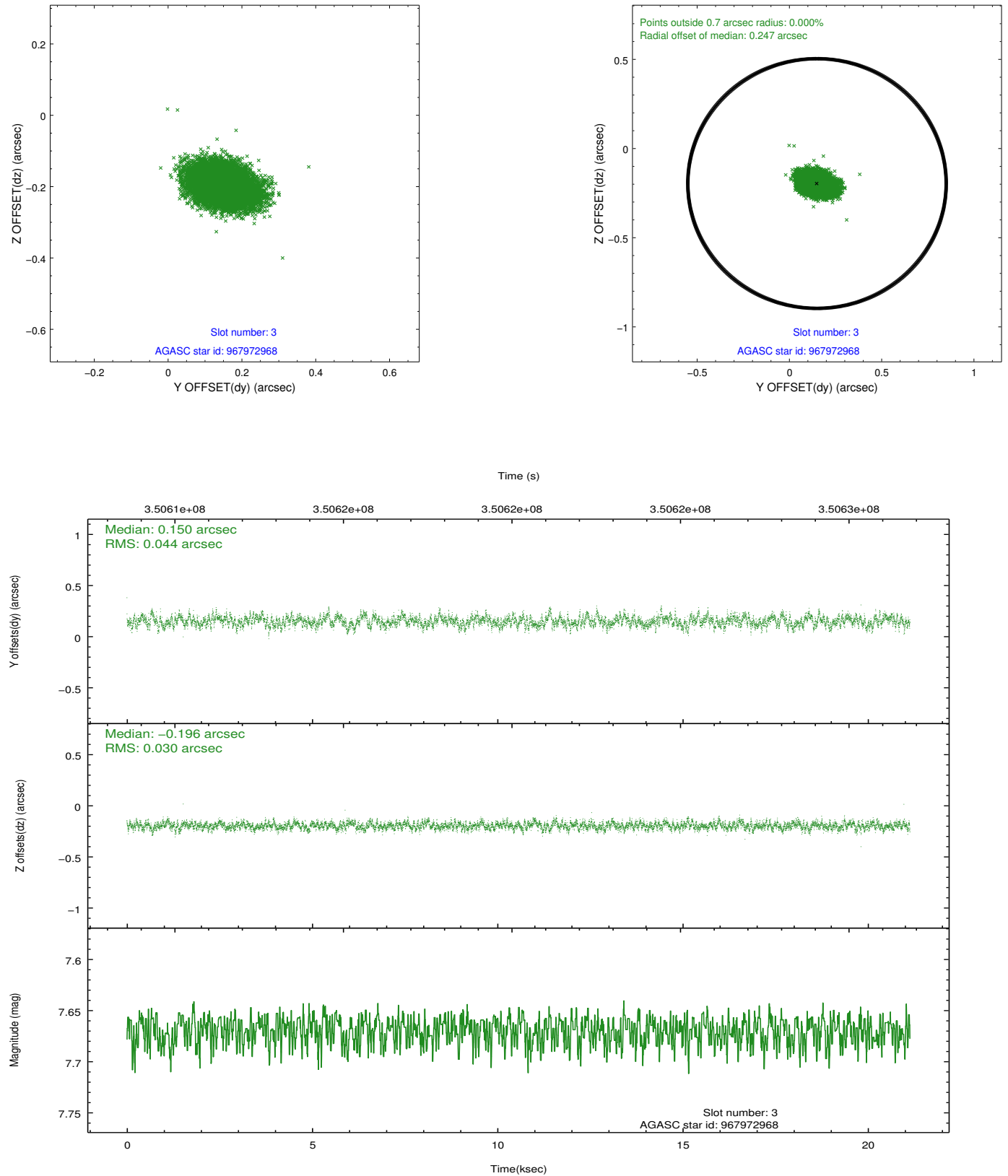


Slot Statistics

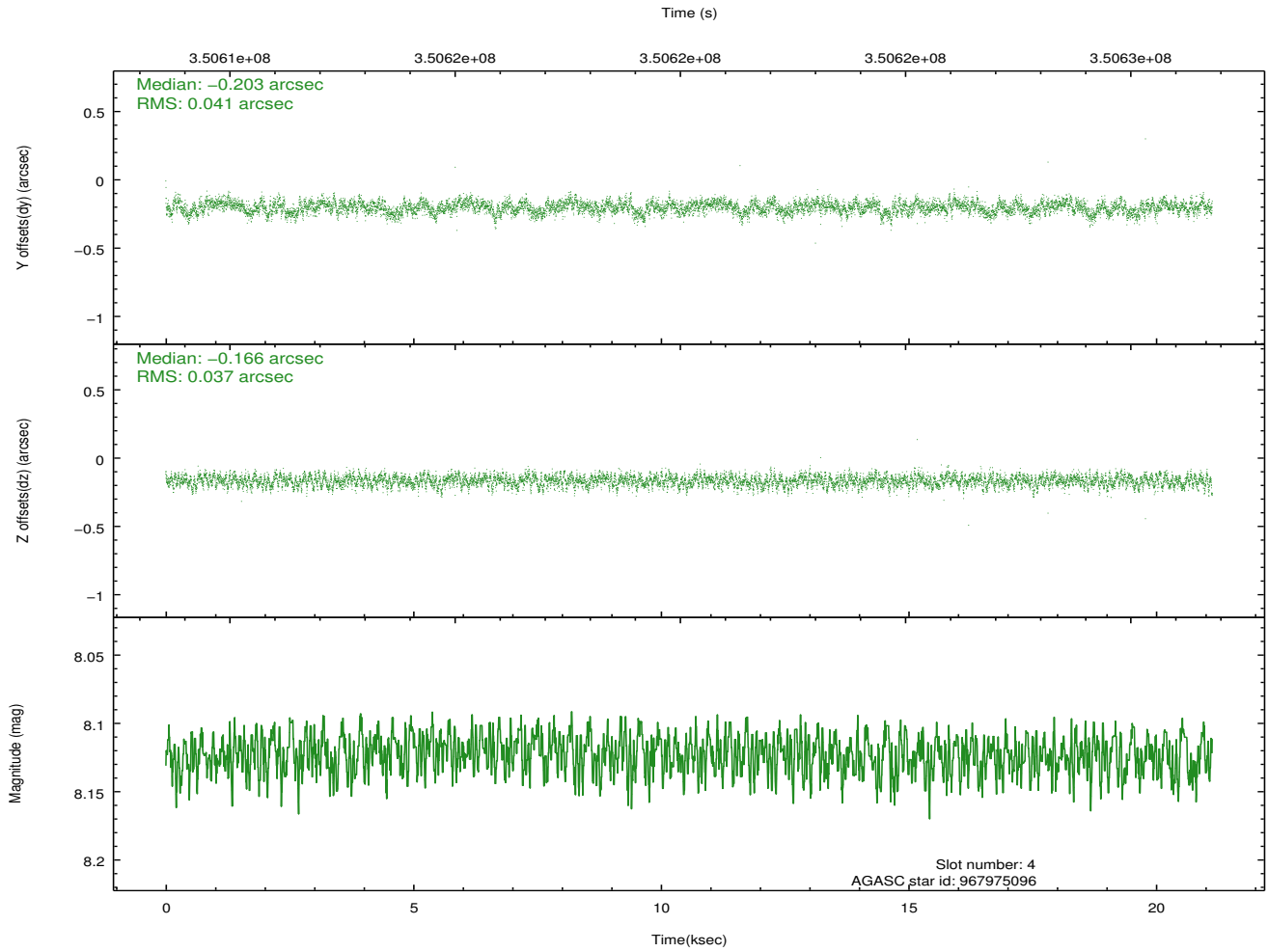
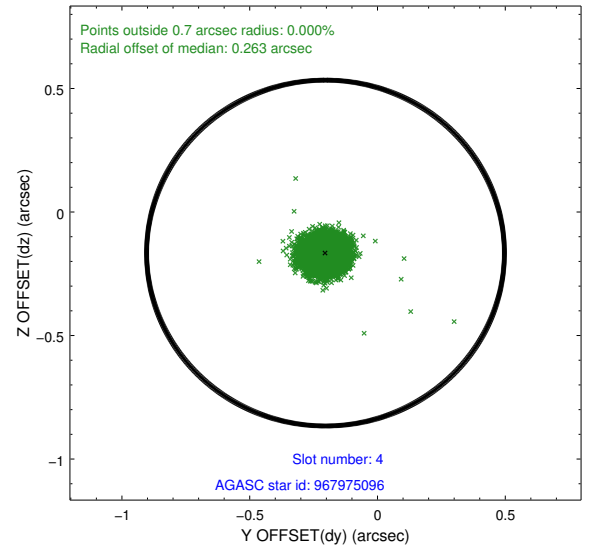
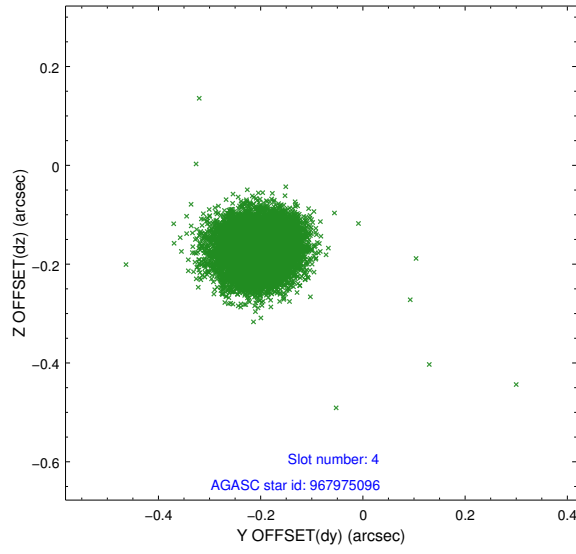
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.91	5155	-0.082	-0.051	0.011	0.019	0.000000	0.000000	-766.52	-1737.23
1	FID	ACIS-S-4	6.99	5154	0.103	0.036	0.010	0.016	0.000000	0.000000	2146.88	171.14
2	FID	ACIS-S-6	7.13	5154	-0.049	0.023	0.010	0.017	0.000000	0.000000	395.73	808.73
3	GUIDE	967972968	7.67	10307	0.150	-0.196	0.056	0.095	267.532711	-35.151704	-1889.12	682.59
4	GUIDE	967975096	8.12	10310	-0.203	-0.166	0.059	0.093	267.688070	-34.214527	1456.35	50.63
5	GUIDE	967975528	7.83	10303	0.007	-0.139	0.063	0.106	267.198348	-35.057114	-1500.92	1649.59
6	GUIDE	968102872	6.86	10304	0.009	0.229	0.058	0.098	268.492237	-34.831056	-892.84	-2206.22
7	GUIDE	968104968	7.32	10309	0.038	0.275	0.061	0.096	268.559913	-34.727650	-533.22	-2428.71

2.4 Star Slots

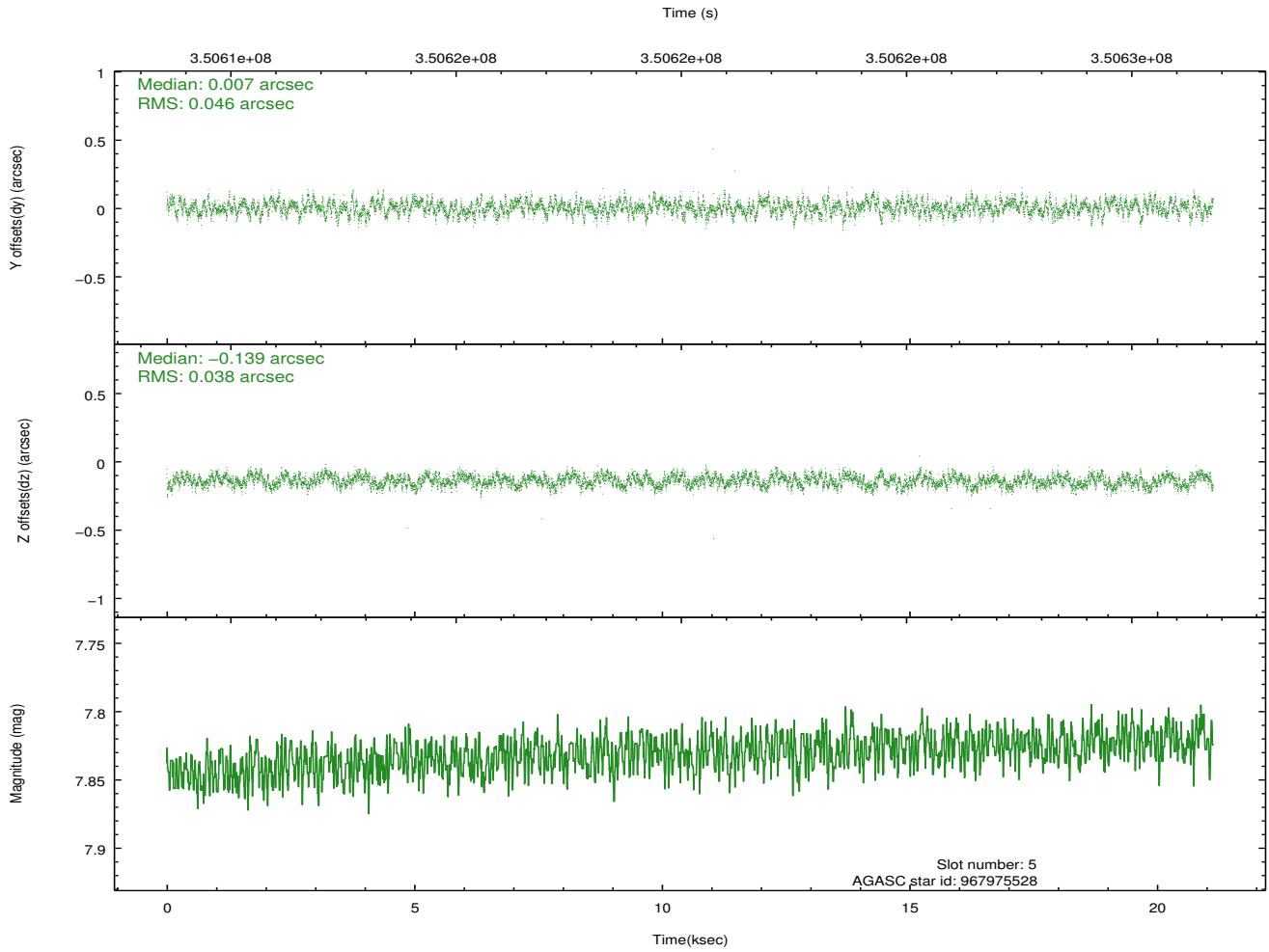
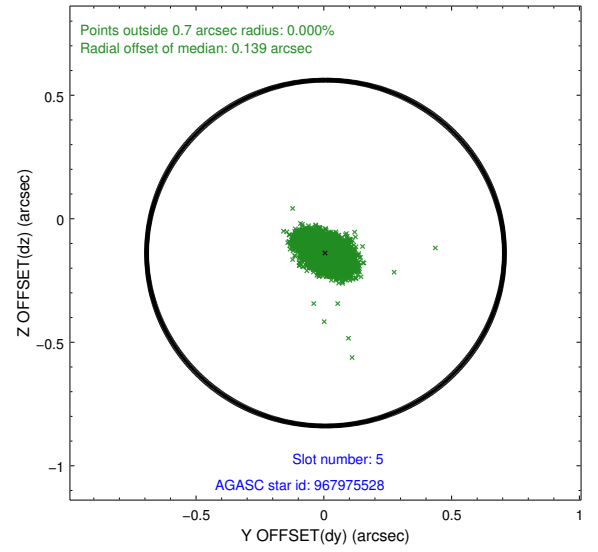
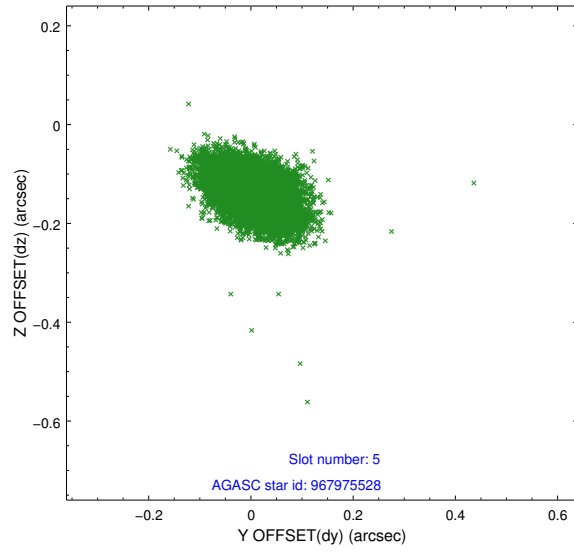
2.4.1 Slot 3



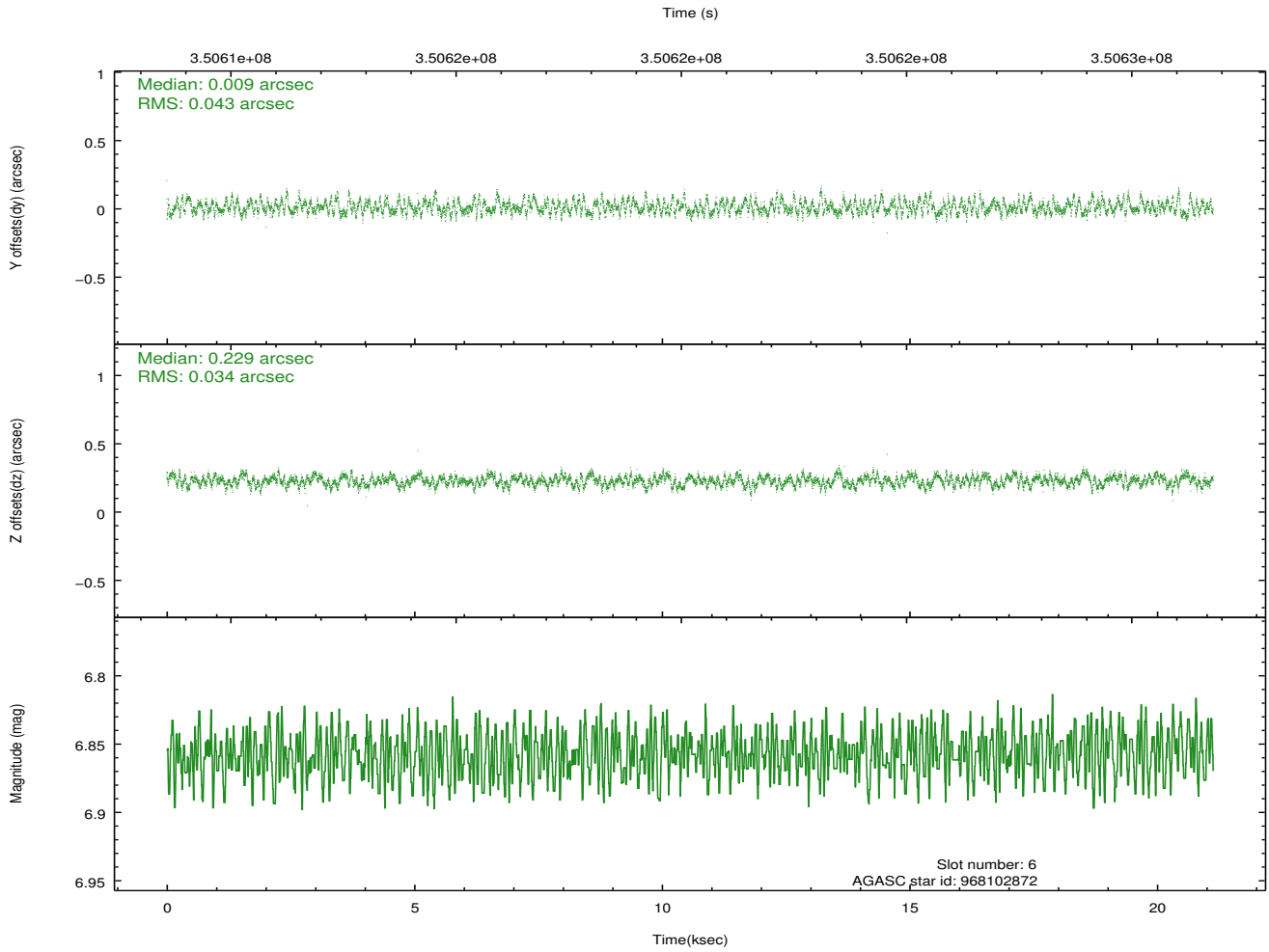
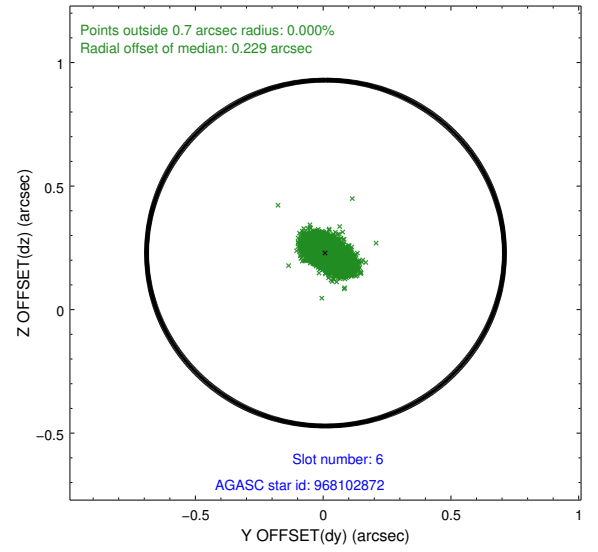
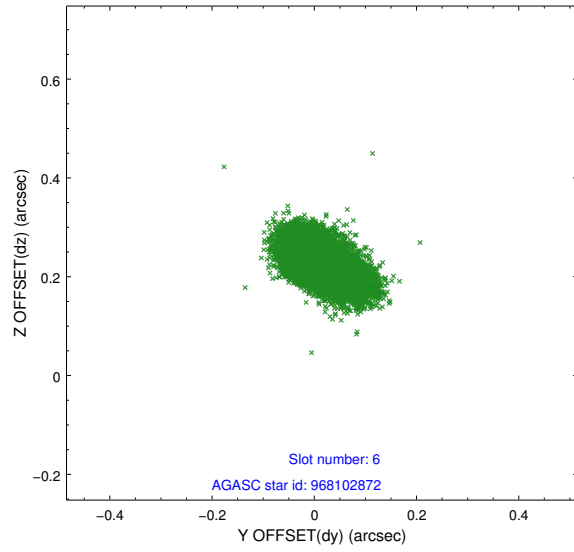
2.4.2 Slot 4



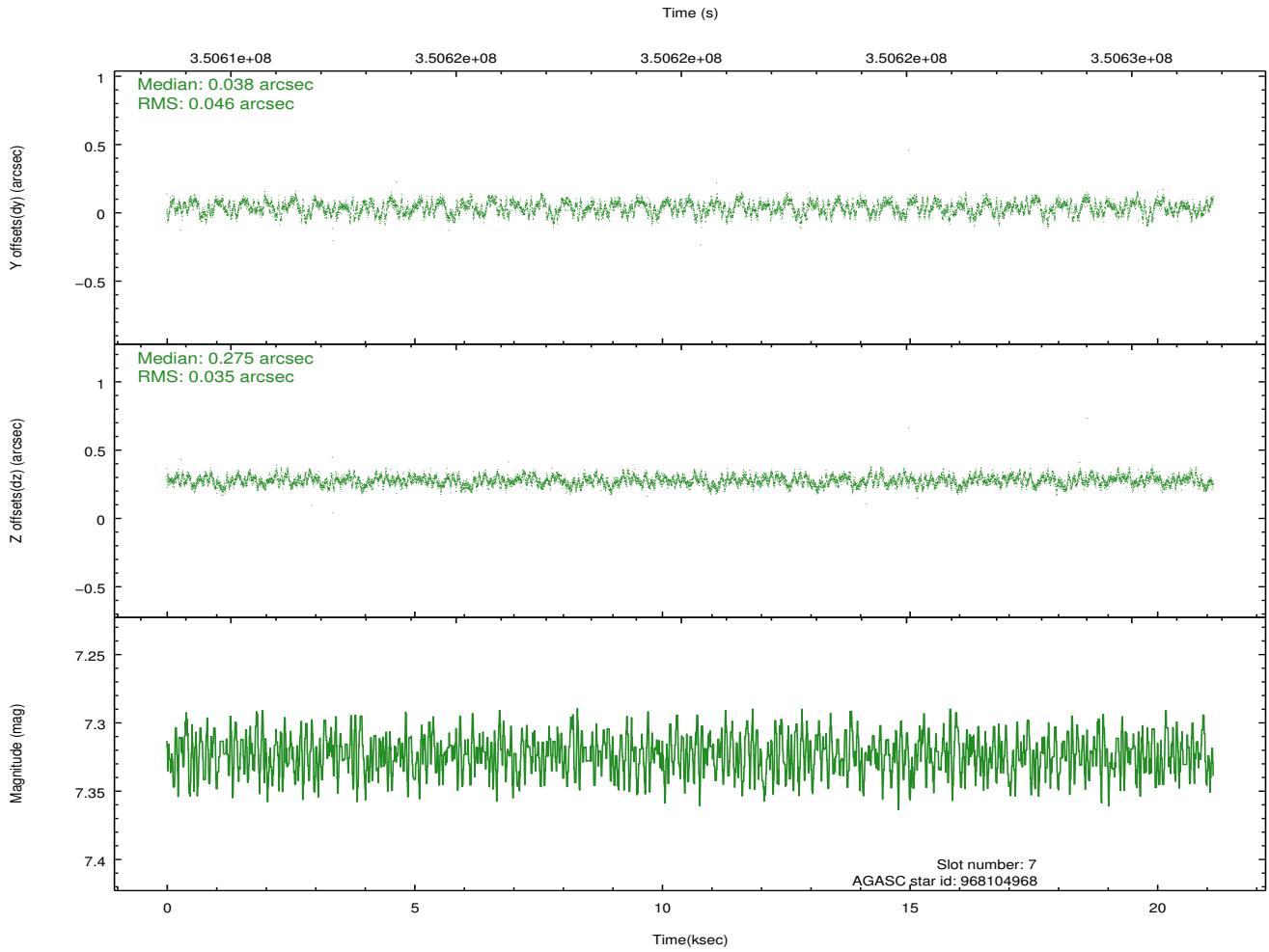
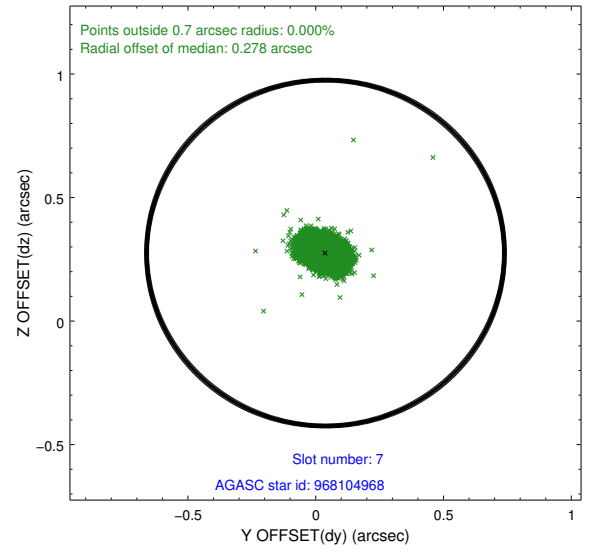
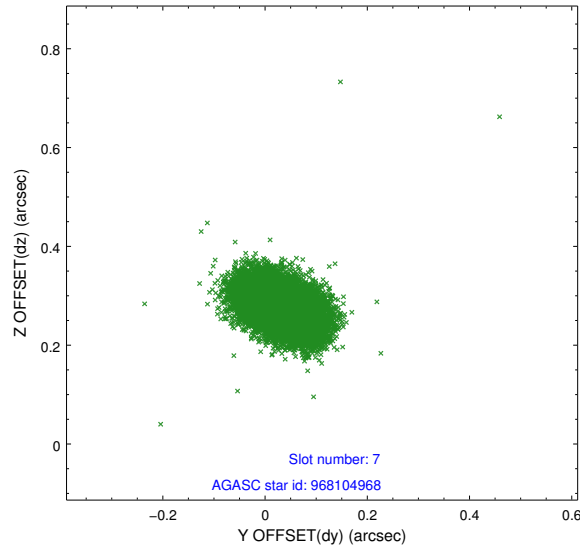
2.4.3 Slot 5



2.4.4 Slot 6

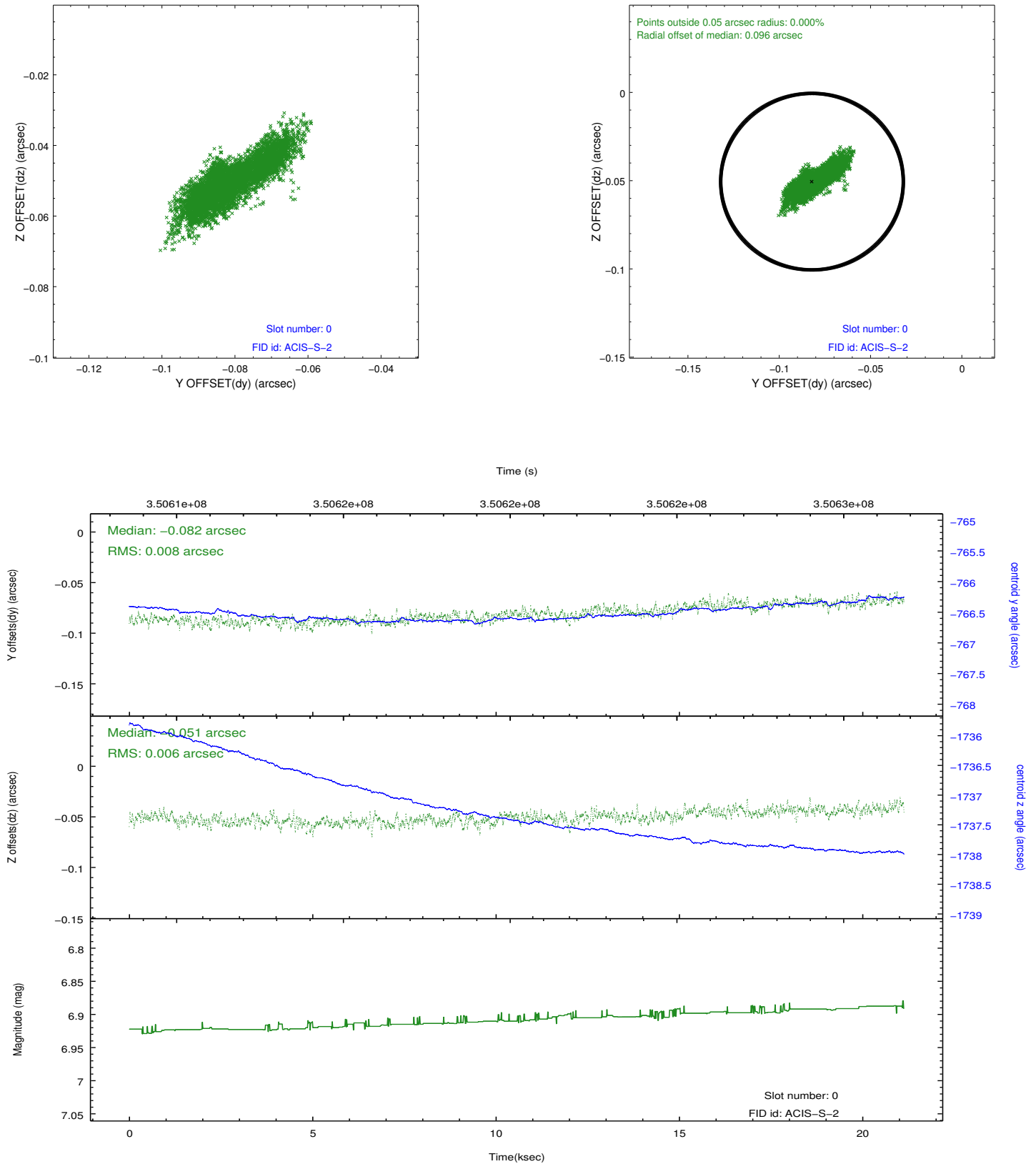


2.4.5 Slot 7

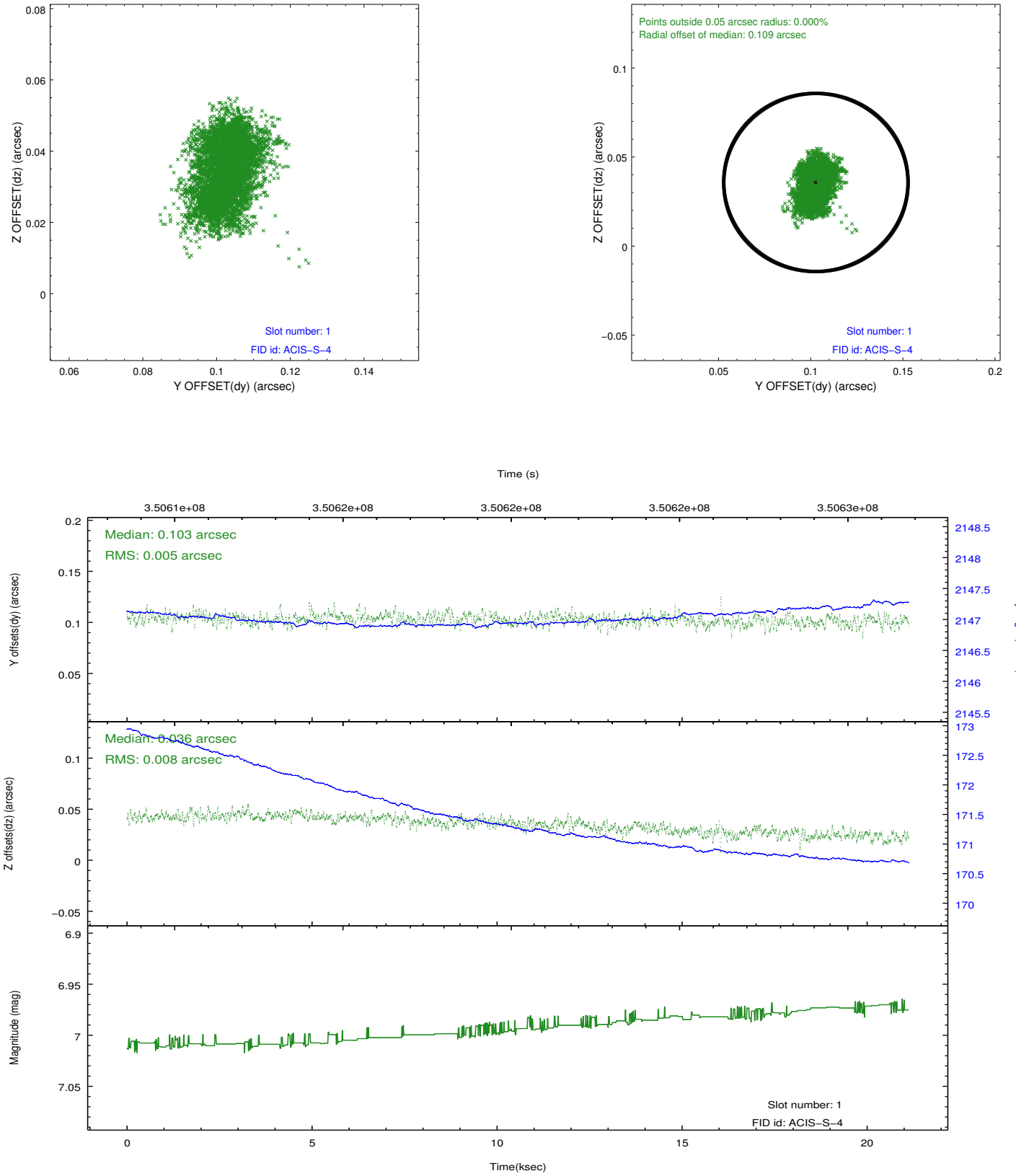


2.5 FID Slots

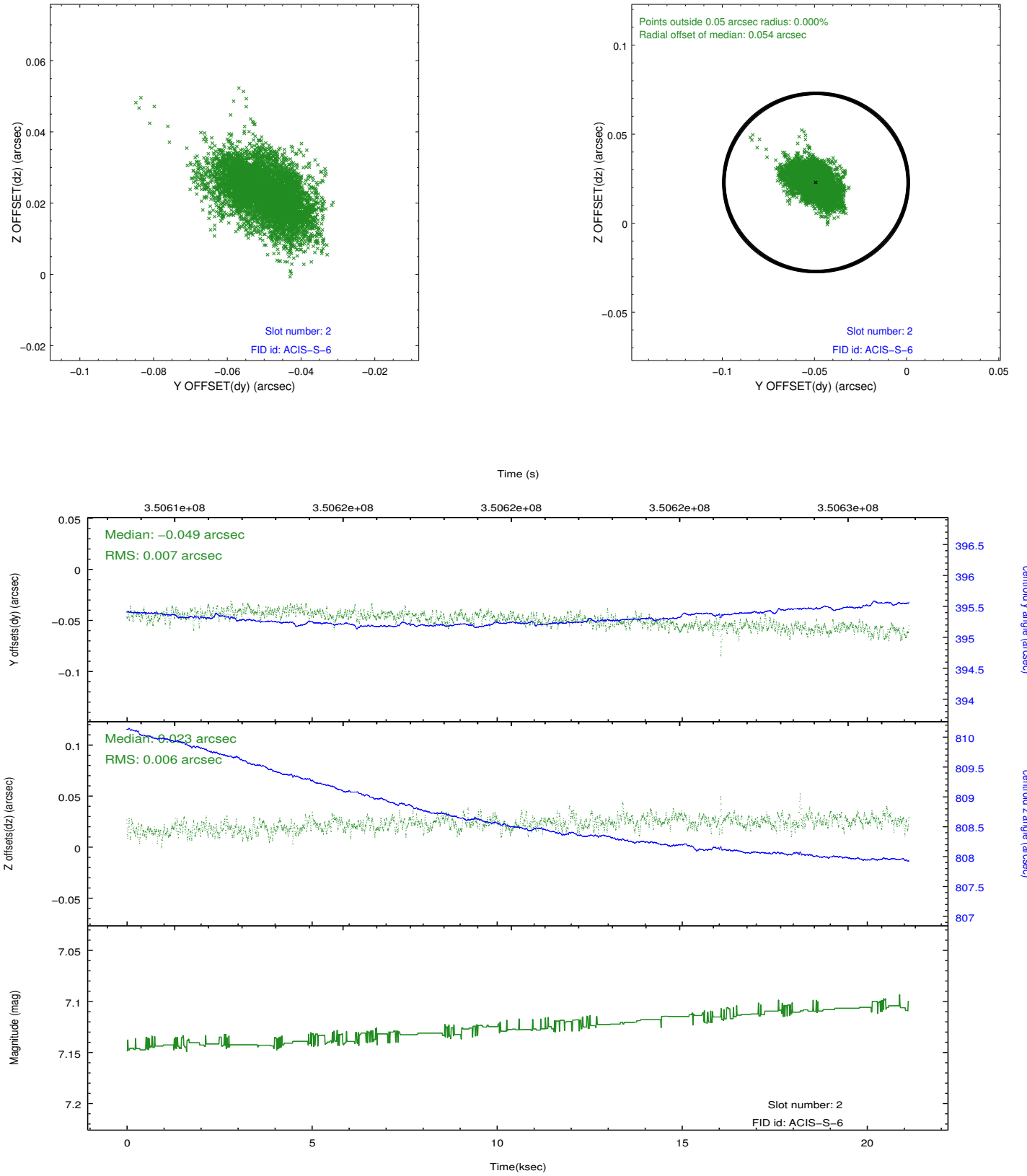
2.5.1 Slot 0



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)	2012.06.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	21.1263999

A.2 Comments