

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8963 - L2 Version 2
Chandra X-Ray Center

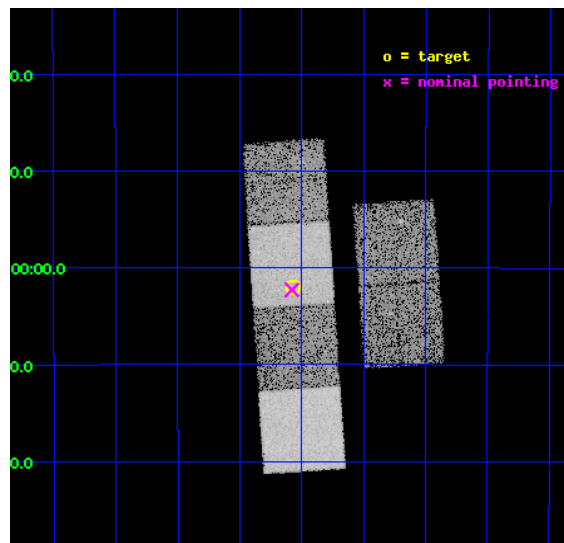
L2 Processing Date : May 25 2012

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1 Front

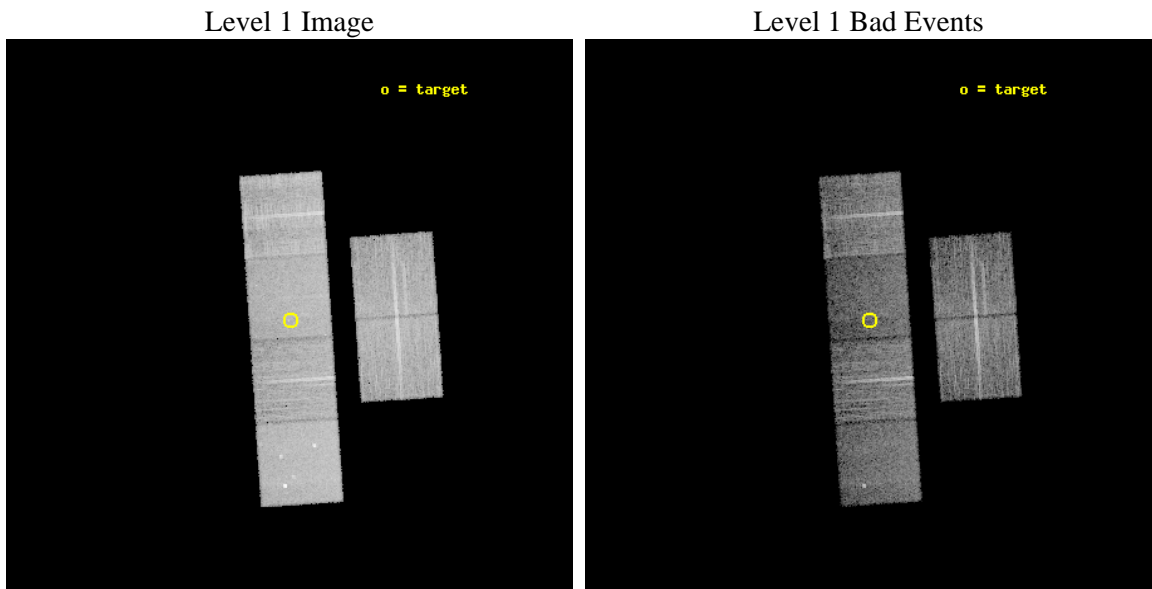
seq_num	300219	Sequence number
obs_id	8963	Observation id
title	A Chandra Legacy Survey of Dynamically Active Globular Clusters	Pr
observer	Prof. David Pooley	Principal investigator
object	NGC 6522	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	270.892083	Observer's specified target RA [deg]
dec_targ	-30.033889	Observer's specified target Dec [deg]
ra_nom	270.89475541937	Nominal RA [deg]
dec_nom	-30.038109904826	Nominal Dec [deg]
roll_nom	266.16422358482	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8440.1716831326	Sum of GTIs [s]
livetime	8333.2971472196	Livetime [s]
ontime2	8440.2127231359	Sum of GTIs [s]
ontime3	8440.0485631227	Sum of GTIs [s]
ontime5	8440.1306431293	Sum of GTIs [s]
ontime6	8440.089603126	Sum of GTIs [s]
ontime7	8440.1716831326	Sum of GTIs [s]
ontime8	8440.0075231194	Sum of GTIs [s]
l2events	112340	Number of level 2 events



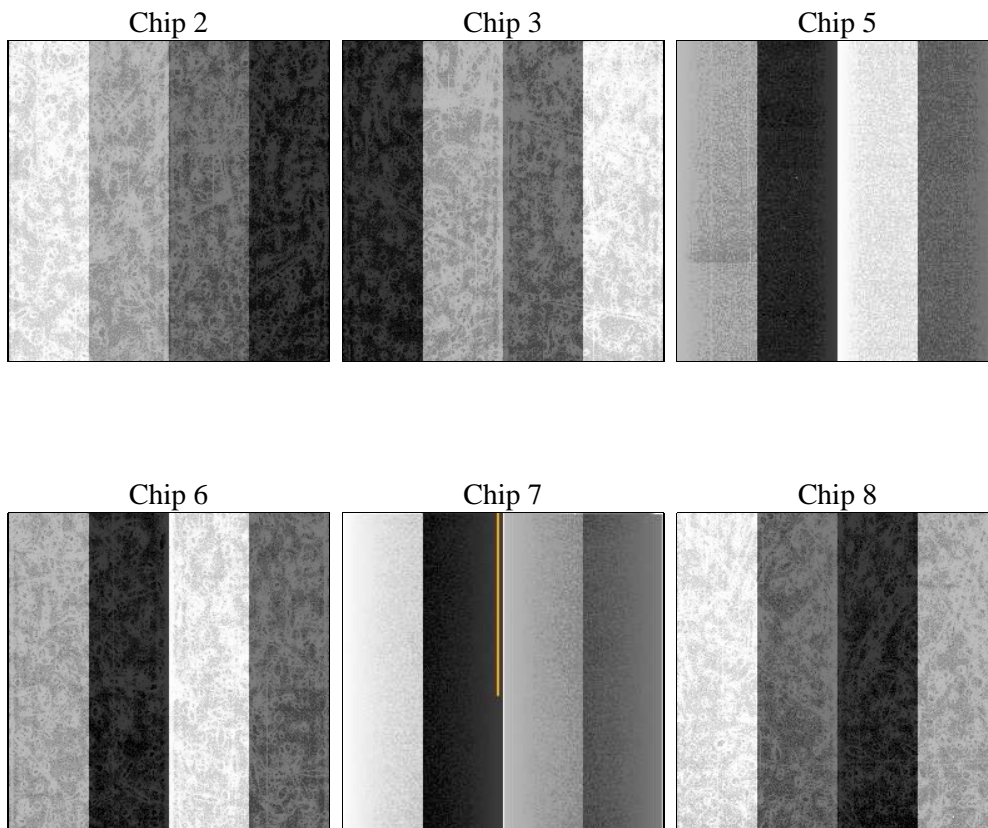
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8400.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	8440.1716831326	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	8440.2127231359	Sum of GTIs [s]
date	2012-05-25T04:10:24	Date and time of file creation	ontime3	8440.0485631227	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	8440.1306431293	Sum of GTIs [s]
			ontime6	8440.089603126	Sum of GTIs [s]
			ontime7	8440.1716831326	Sum of GTIs [s]
			ontime8	8440.0075231194	Sum of GTIs [s]
			l1events	480337	Number of level 1 events

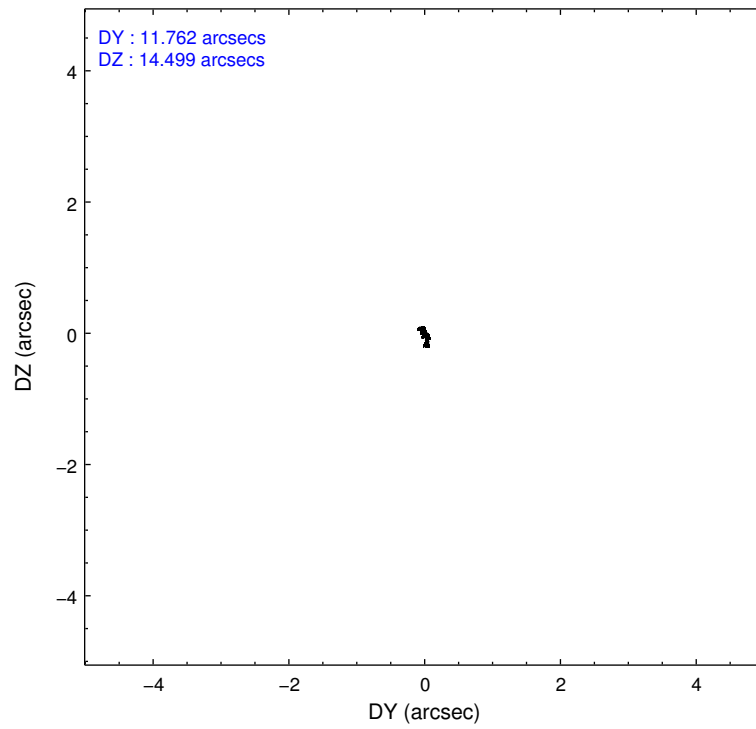
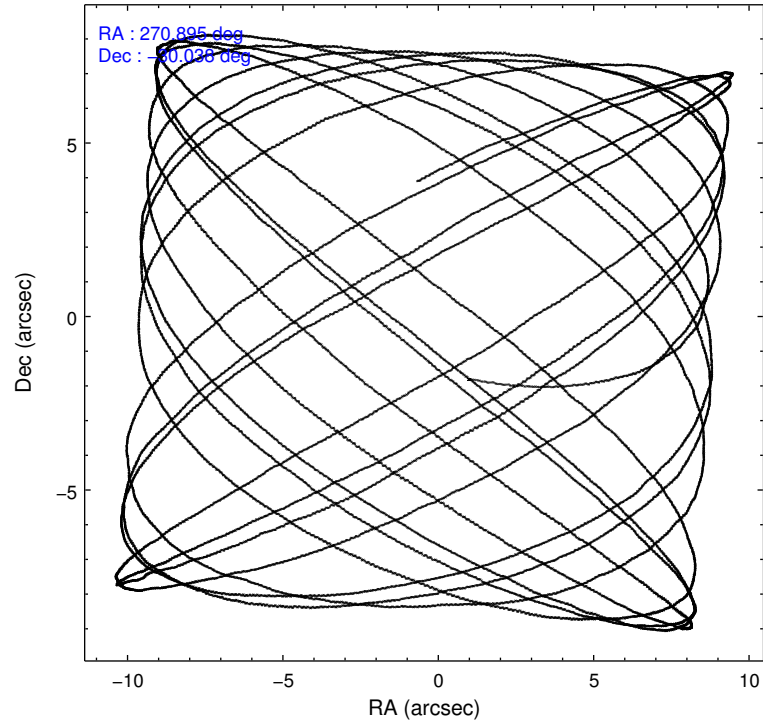
2.1.4 Events

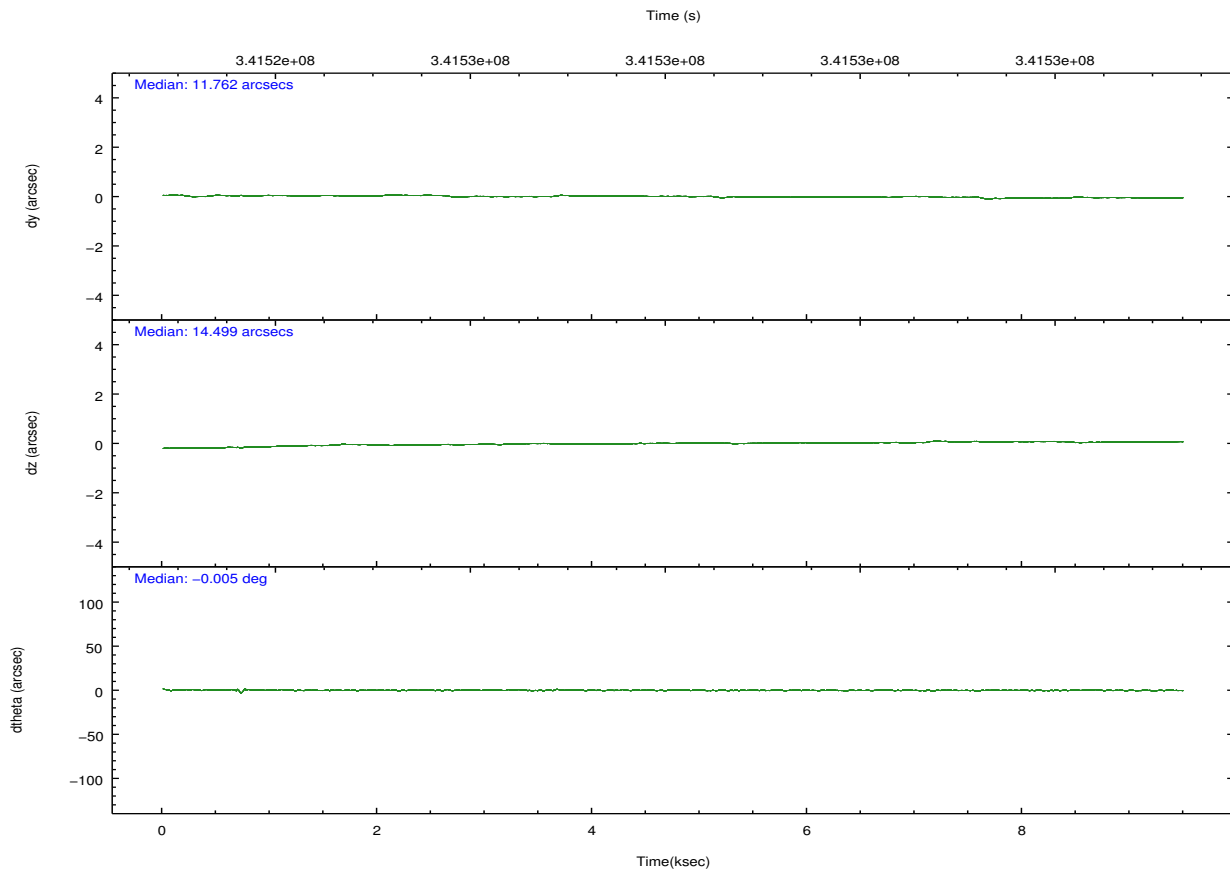
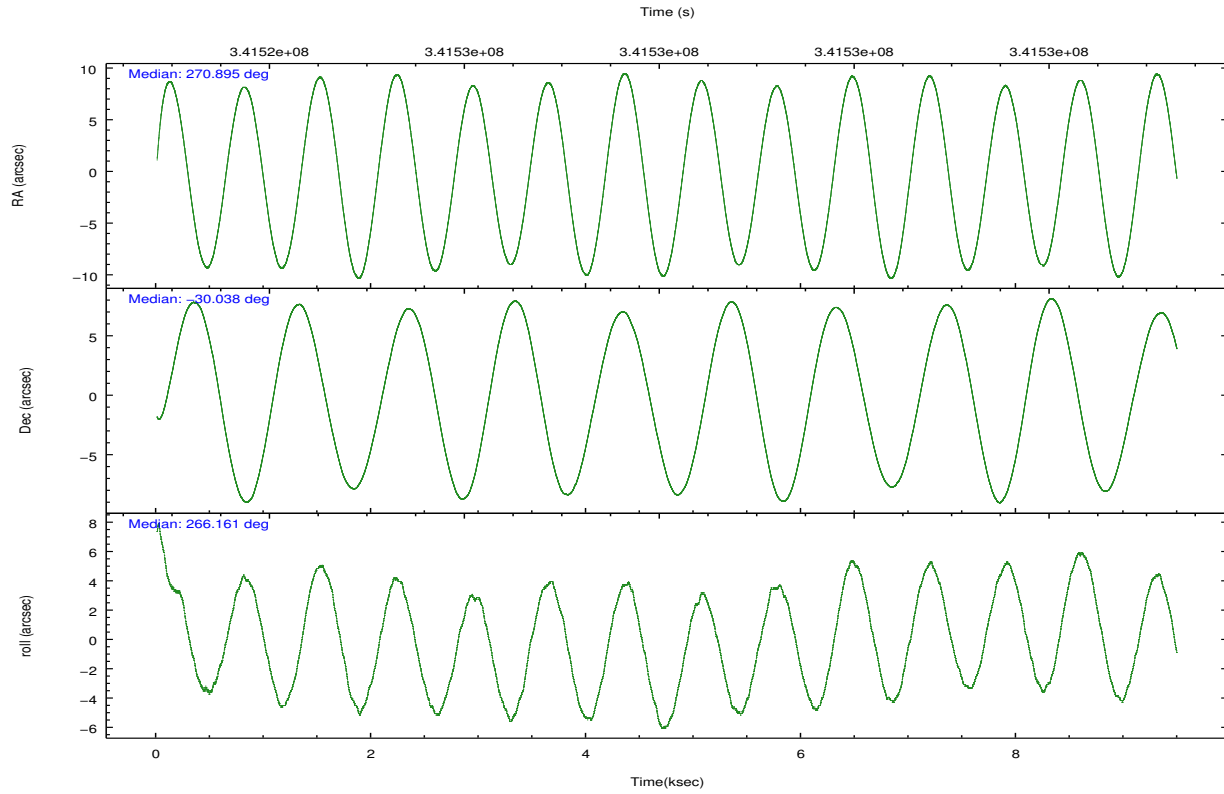
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	74449	67458	99373	69910	79361	89786	grade 0 events	3317	3198	5398	3614	4048	7796
rejected events	66567	59920	49210	61447	41693	66280		4%	4%	5%	5%	5%	8%
rejected %	89%	88%	49%	87%	52%	73%	grade 1 events	54	55	192	36	103	89
								0%	0%	0%	0%	0%	0%
							grade 2 events	1744	1477	15021	1698	7736	5097
								2%	2%	15%	2%	9%	5%
							grade 3 events	734	778	2433	779	3550	2499
								0%	1%	2%	1%	4%	2%
							grade 4 events	768	791	1990	788	3482	2280
								1%	1%	2%	1%	4%	2%
							grade 5 events	2397	2760	7796	2746	8011	4200
								3%	4%	7%	3%	10%	4%
							grade 6 events	1323	1300	25364	1592	18879	5860
								1%	1%	25%	2%	23%	6%
							grade 7 events	64112	57099	41179	58657	33552	61965
								86%	84%	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	270.880393	270.8947554193721	CCD I2 on	O1	Y
[deg] Pointing Dec	-30.013805	-30.03810990482599	CCD I3 on	O2	Y
[deg] Pointing Roll	266.000401	266.1642235848224	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	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	341524431.184000	341522969.70702	CCD S5 on	N	N
Observation start date	2008-10-27T19:52:46	2008-10-27T19:29:29	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	341532831.184000	341533032.64502	On-chip summing requested	N	N
Observation end date	2008-10-27T22:12:46	2008-10-27T22:17:12	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



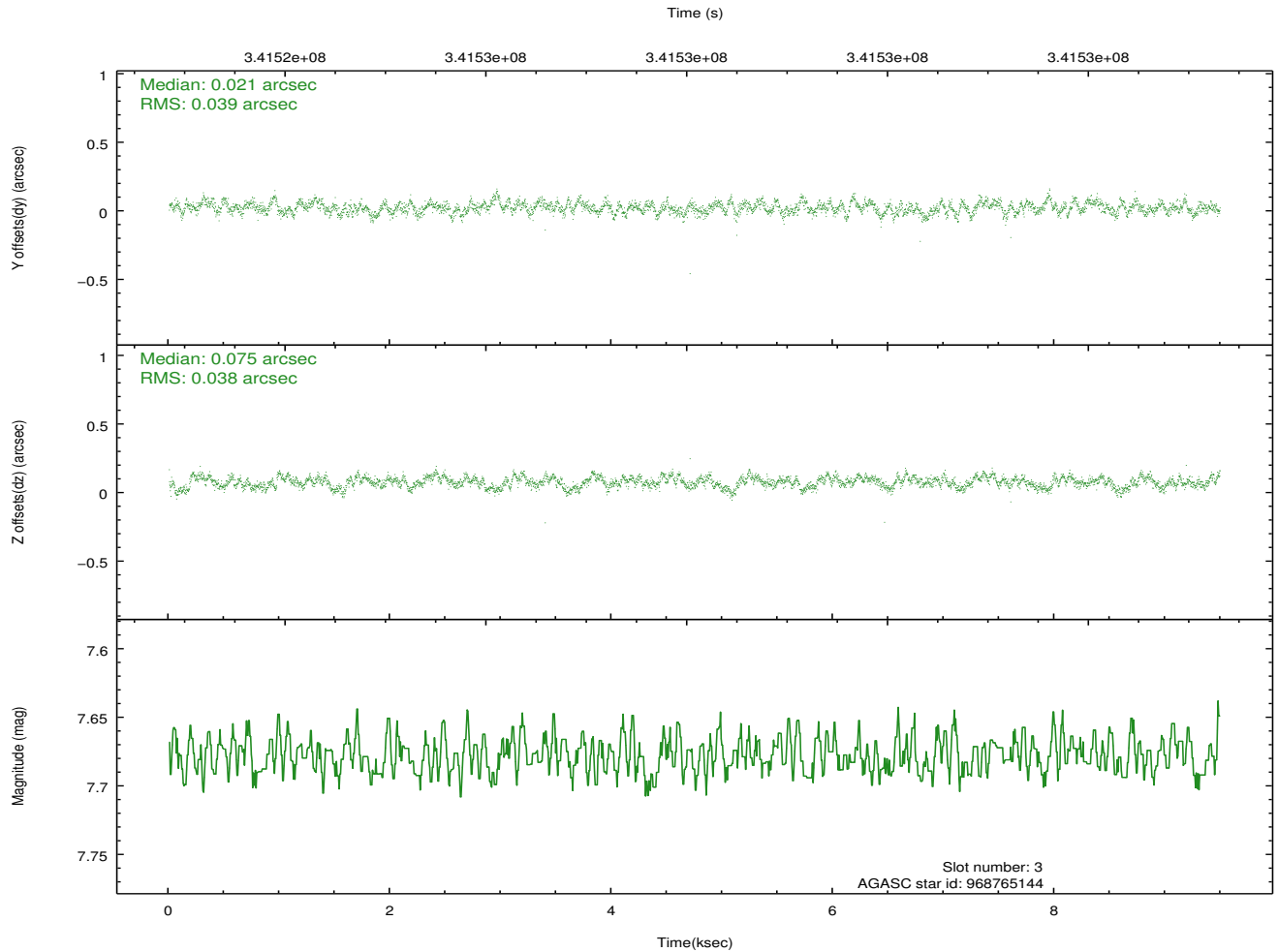
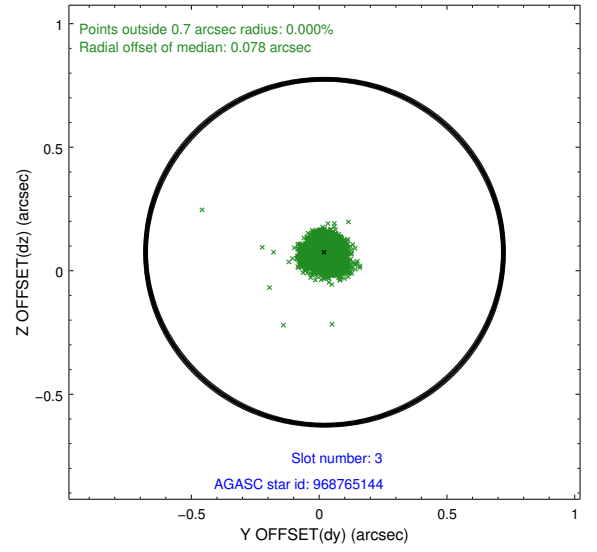
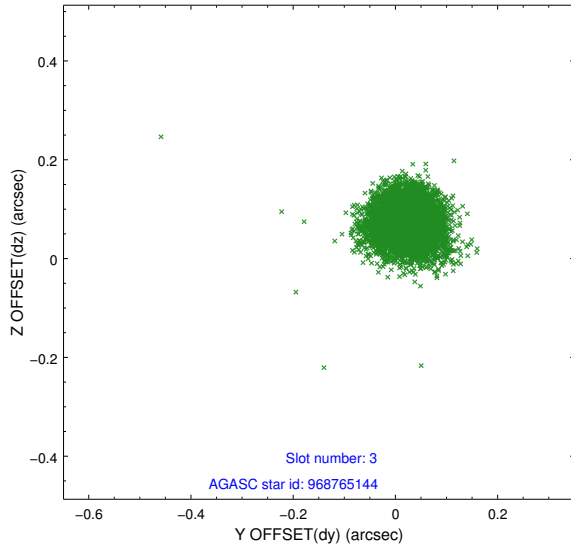


Slot Statistics

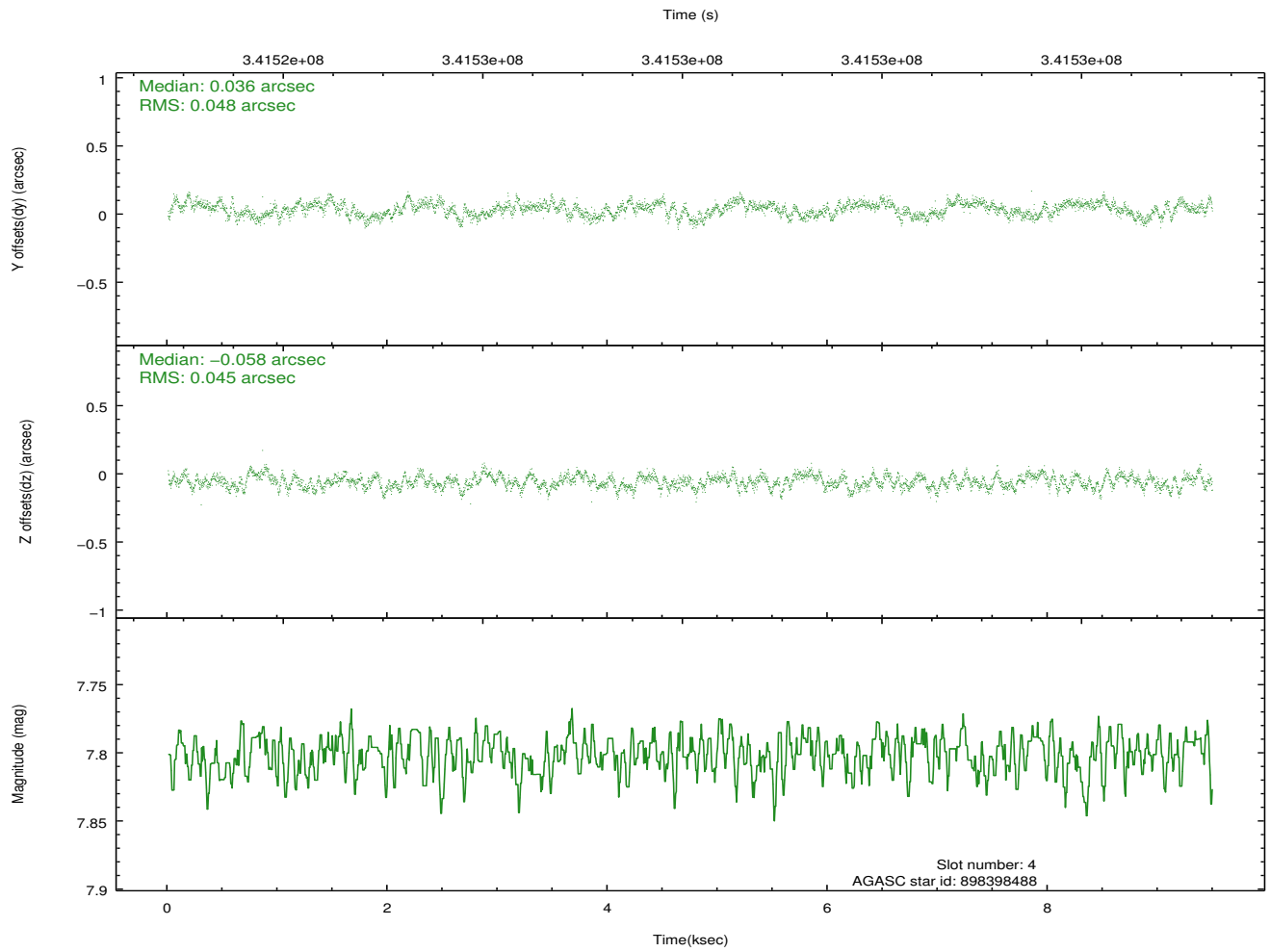
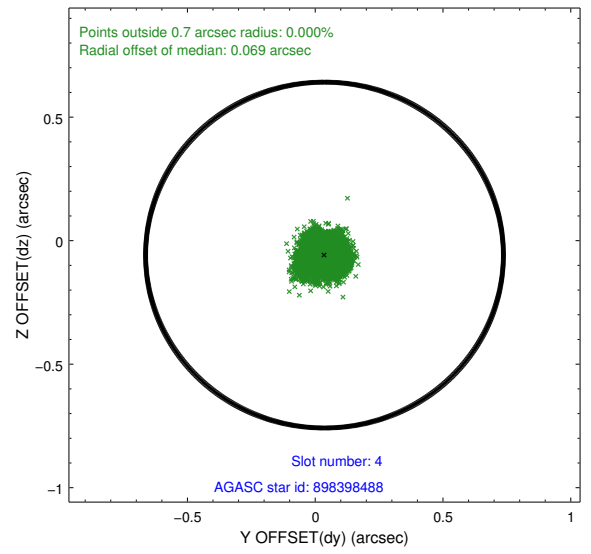
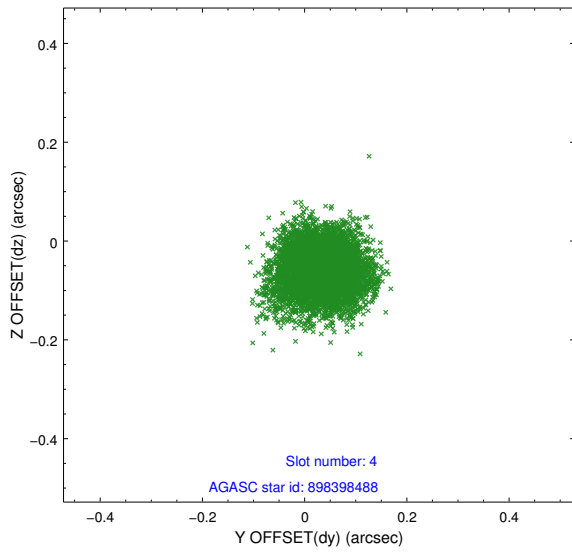
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.98	2315	0.045	-0.016	0.007	0.012	0.000000	0.000000	931.44	-1731.44
1	FID	ACIS-S-4	6.97	2314	0.094	-0.006	0.006	0.010	0.000000	0.000000	2149.20	172.14
2	FID	ACIS-S-5	7.00	2315	-0.165	0.035	0.006	0.011	0.000000	0.000000	-1816.92	166.40
3	GUIDE	968765144	7.68	4628	0.021	0.075	0.058	0.090	271.206213	-30.562168	1900.87	1145.45
4	GUIDE	898398488	7.80	4629	0.036	-0.058	0.071	0.110	270.116283	-29.824370	-504.79	-2427.60
5	GUIDE	898383760	8.22	4630	-0.357	-0.105	0.078	0.124	270.301358	-29.342458	-2278.95	-1982.01
6	GUIDE	898398352	7.21	4630	0.096	-0.164	0.070	0.112	270.901317	-29.861589	-550.99	26.23
7	GUIDE	968772168	8.19	4628	0.207	0.260	0.062	0.105	271.478335	-30.660475	2199.07	2010.80

2.4 Star Slots

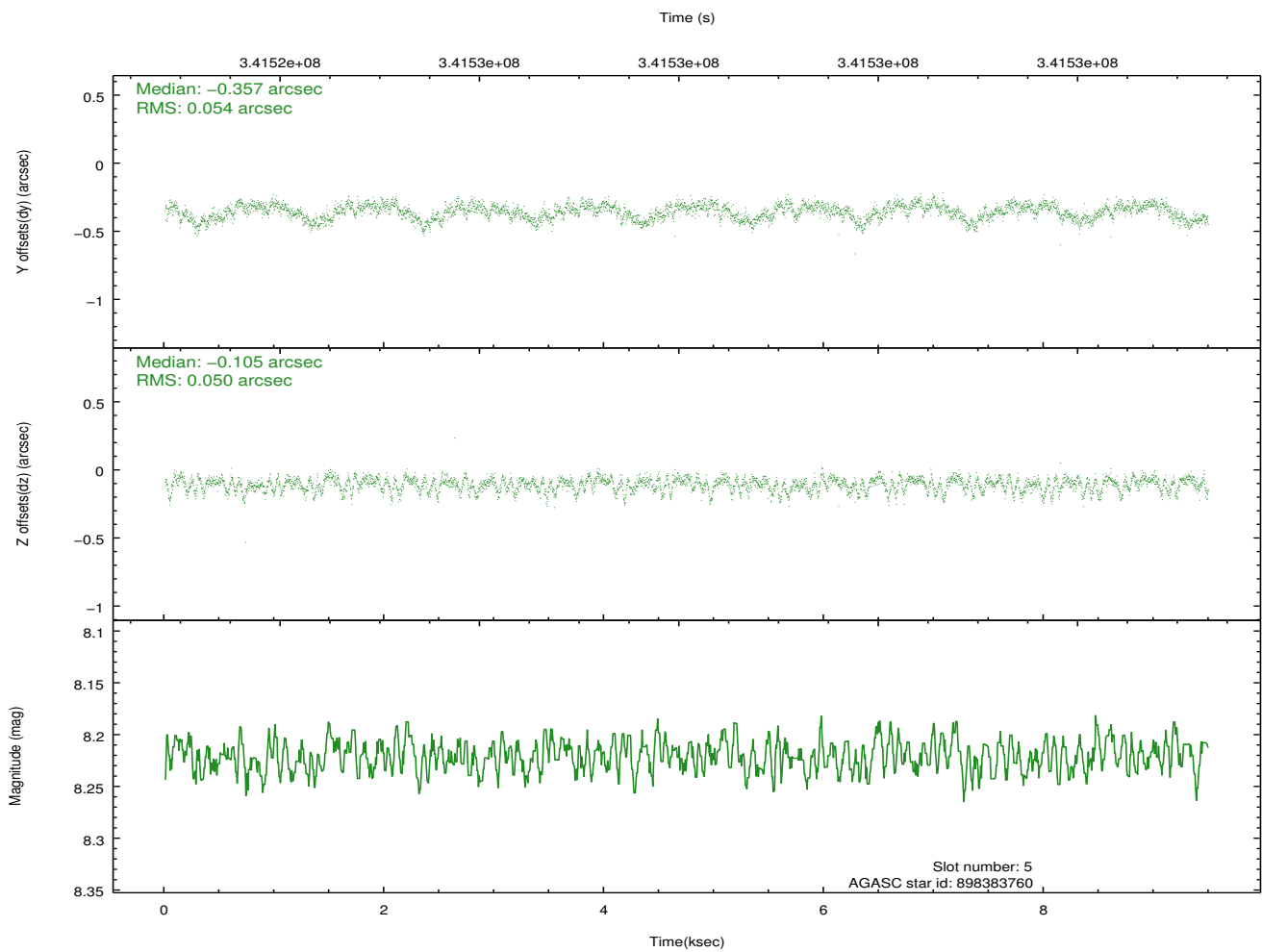
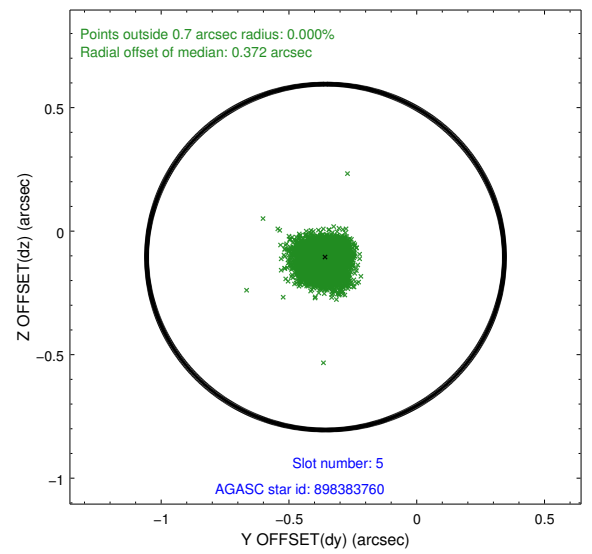
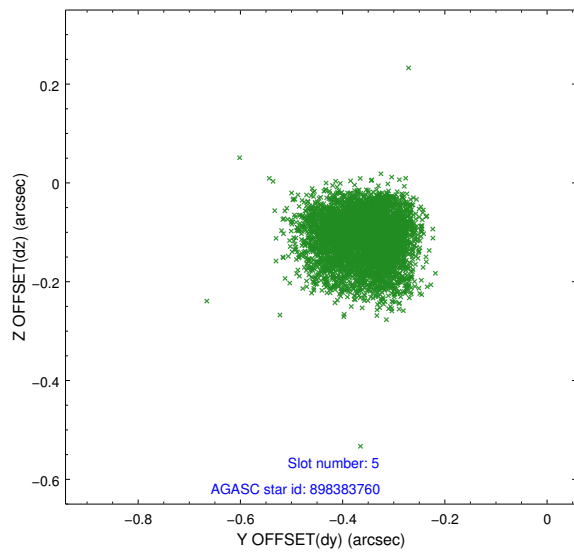
2.4.1 Slot 3



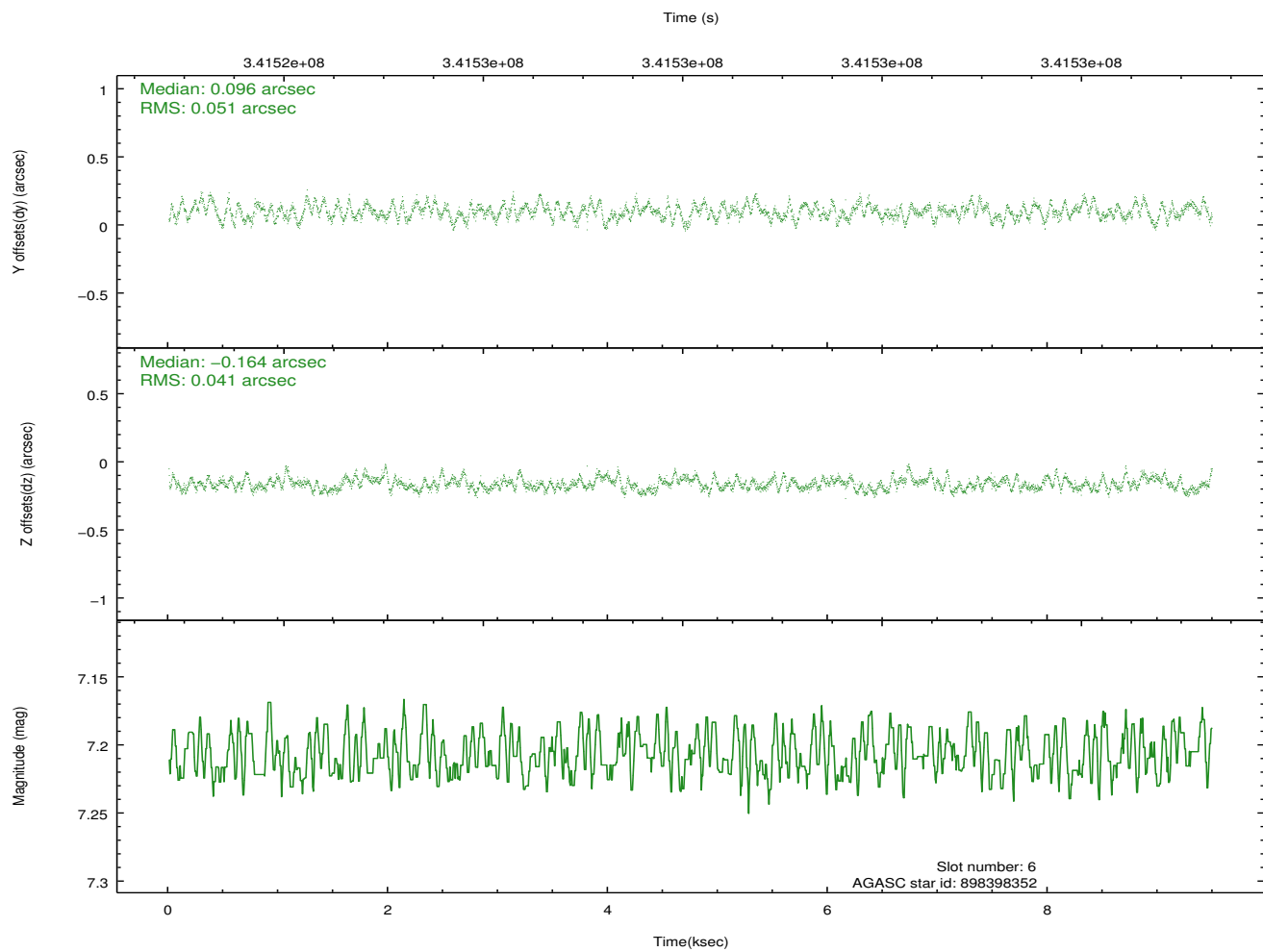
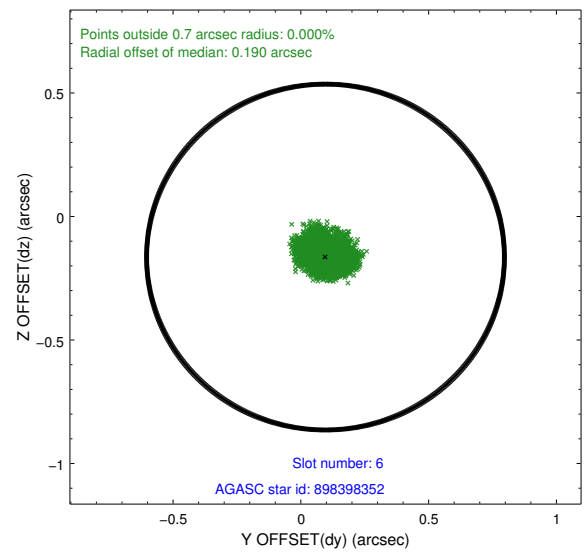
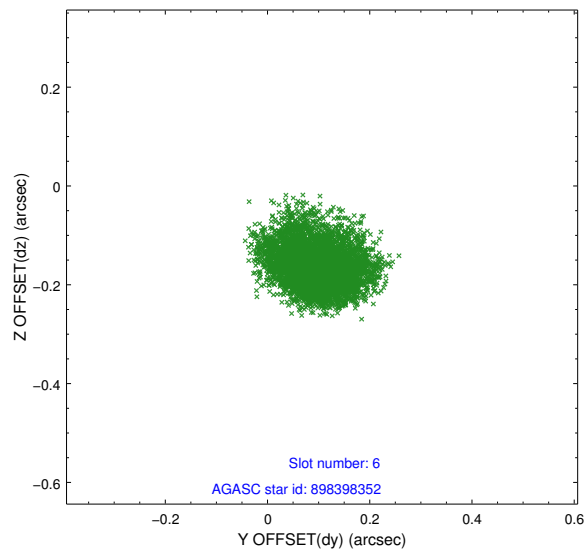
2.4.2 Slot 4



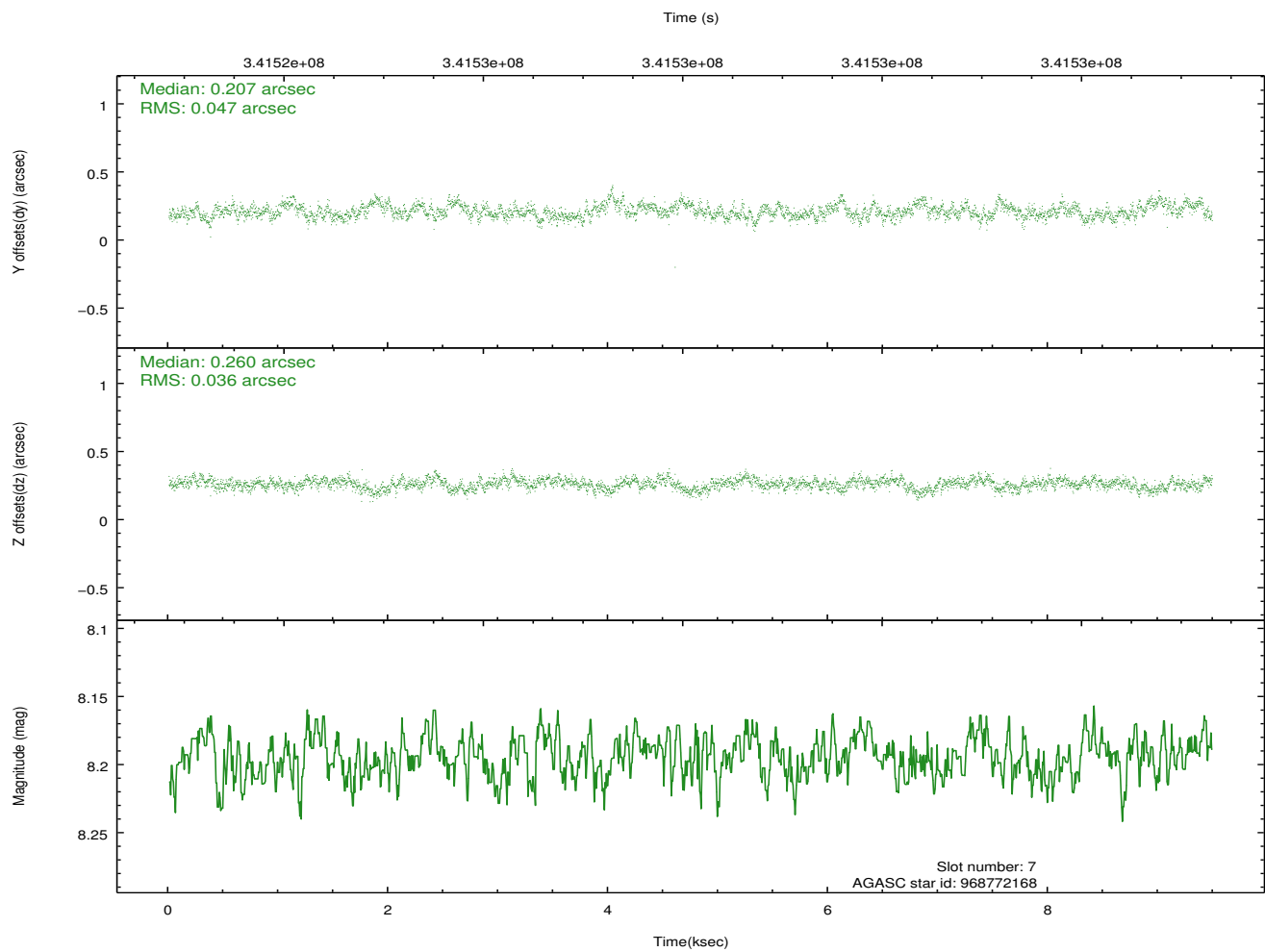
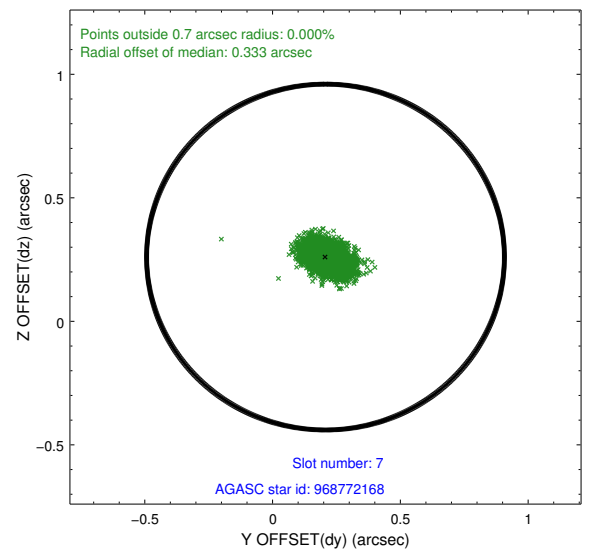
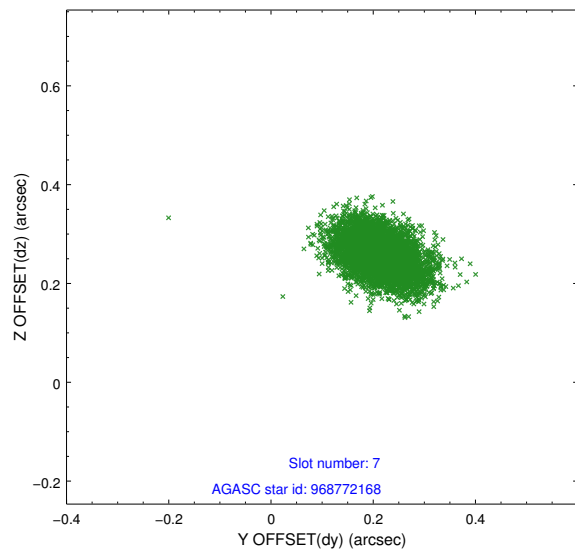
2.4.3 Slot 5



2.4.4 Slot 6

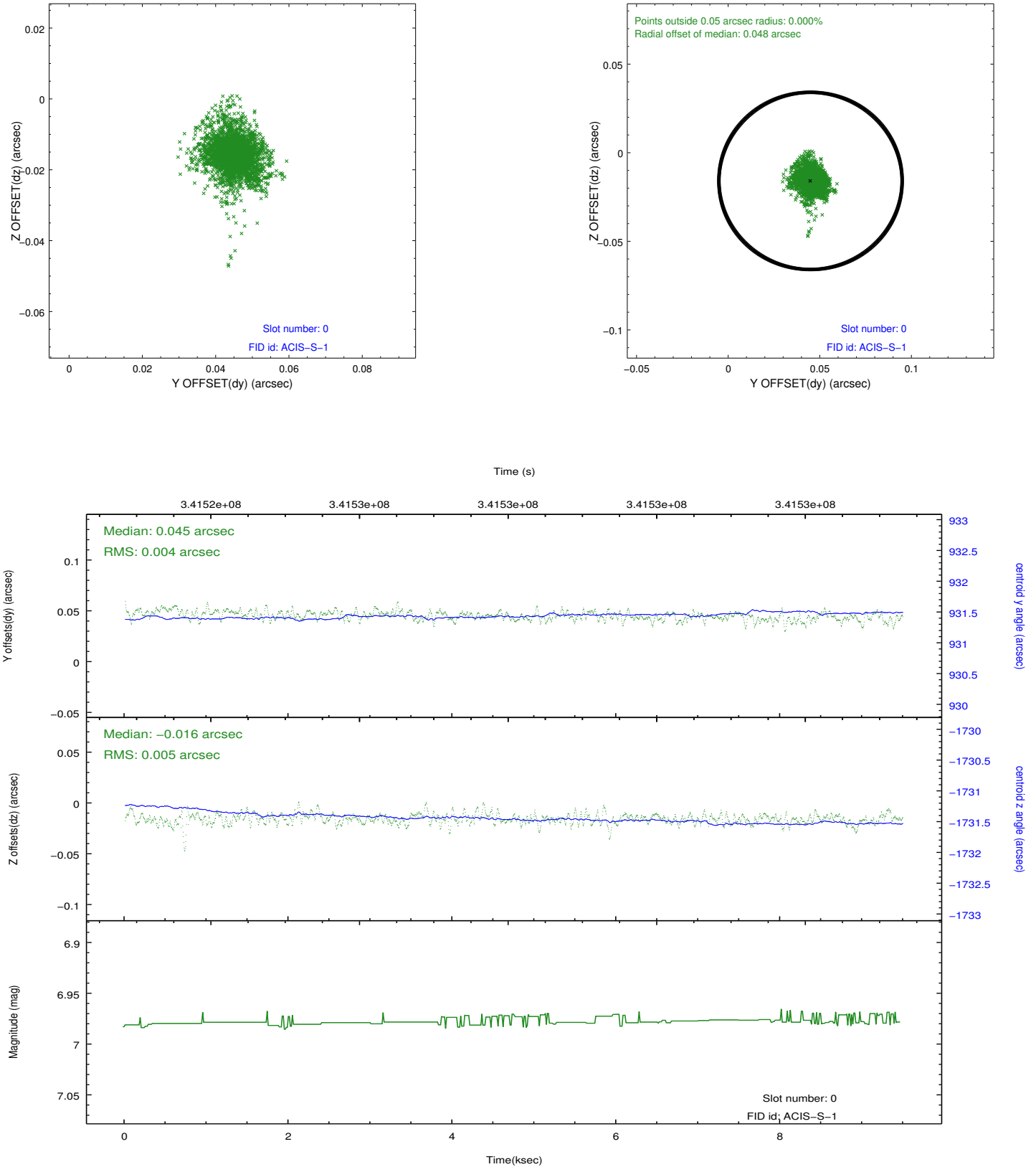


2.4.5 Slot 7

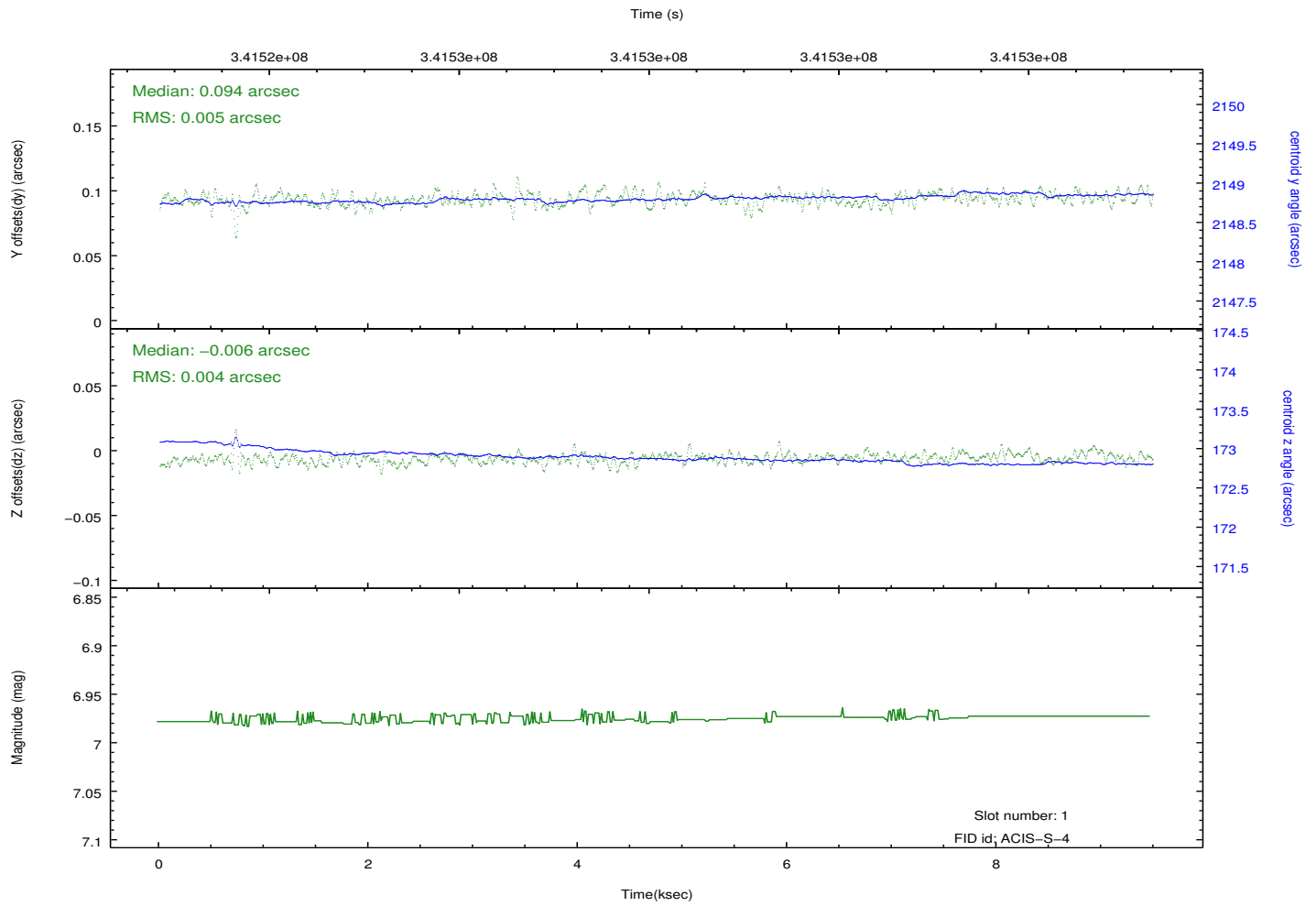
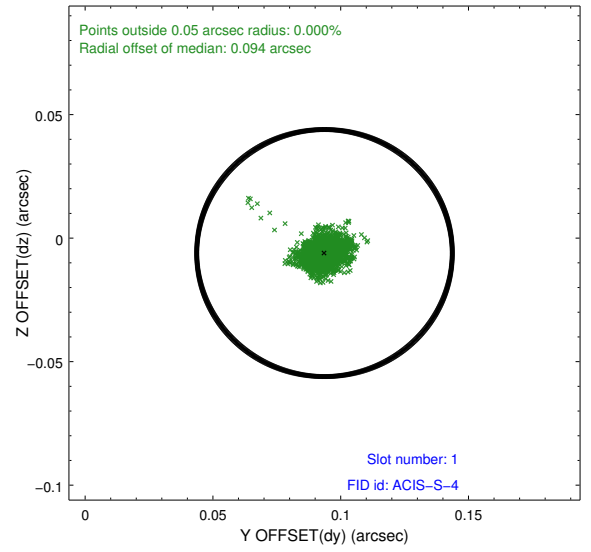
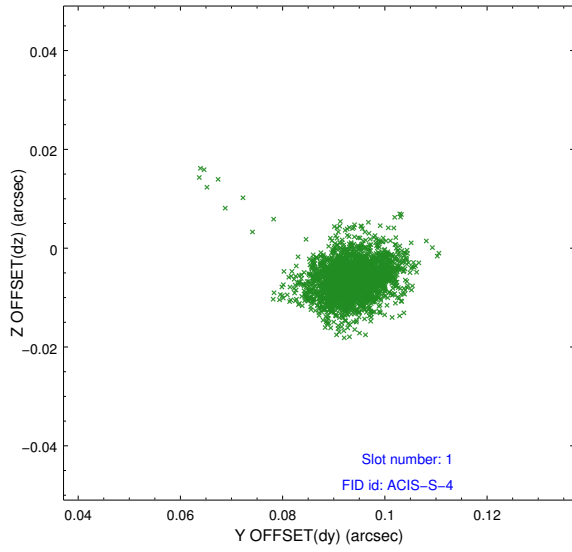


2.5 FID Slots

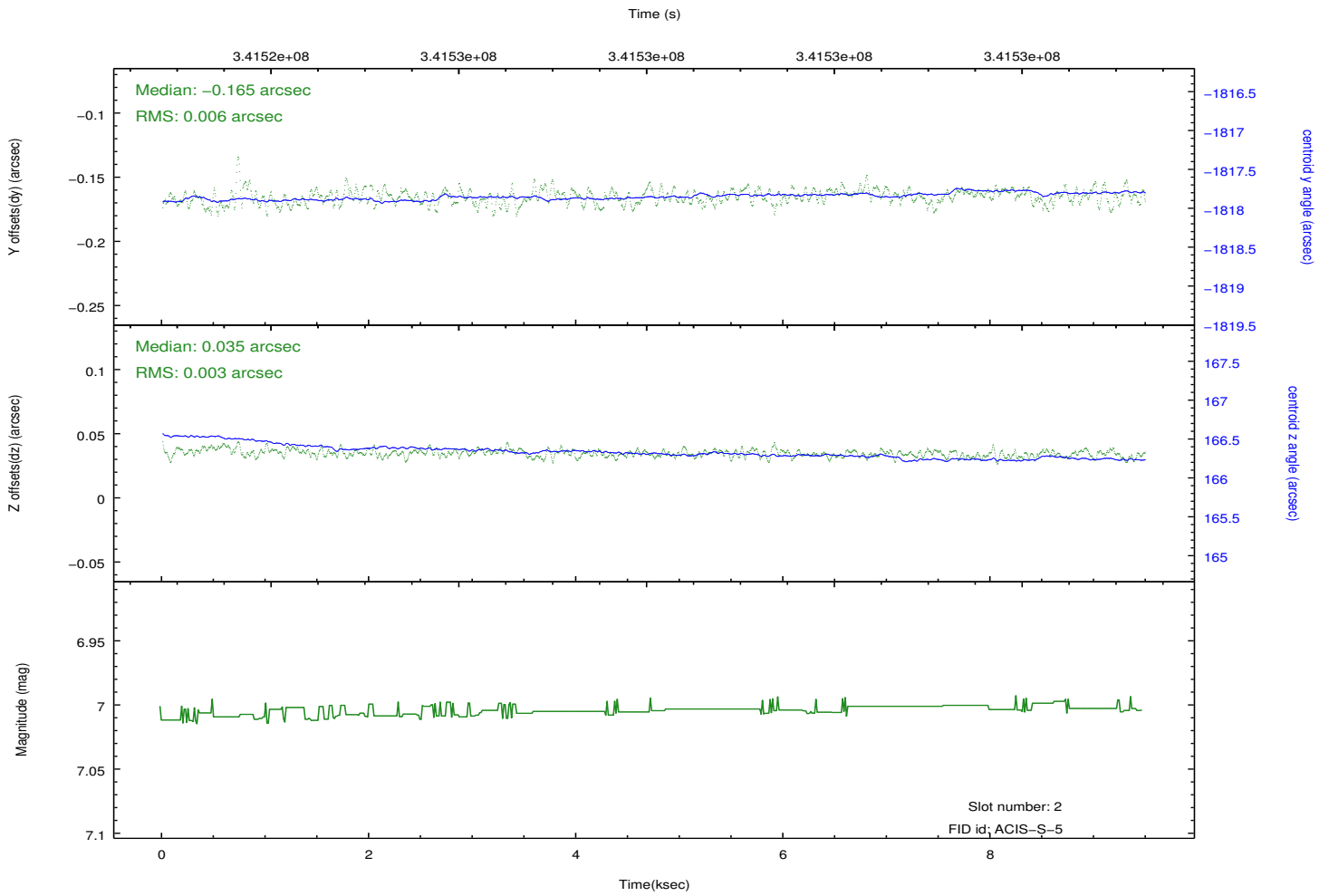
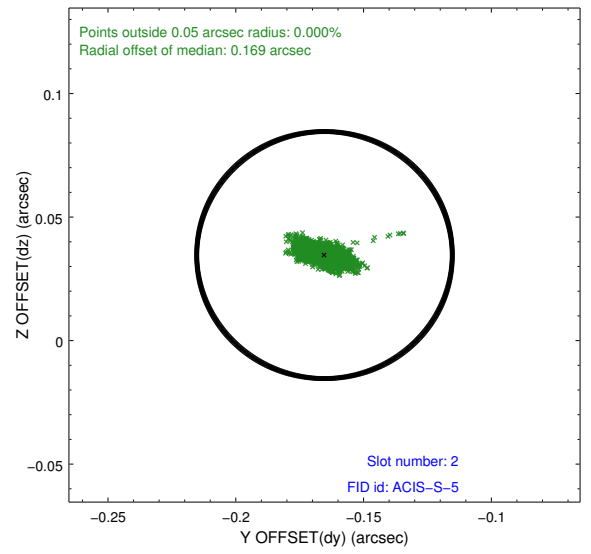
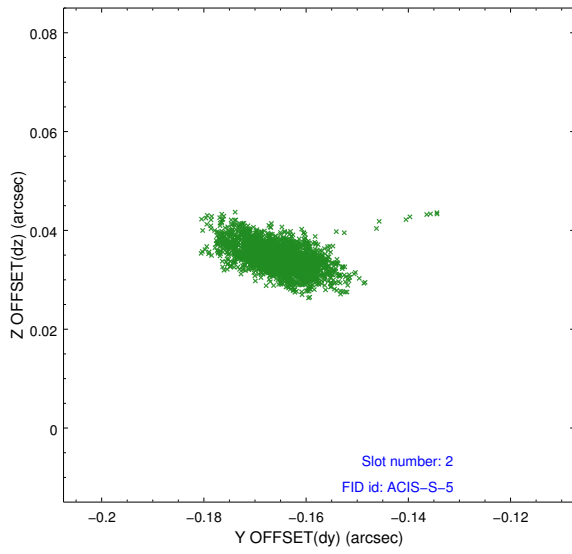
2.5.1 Slot 0



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)	2012.06.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.44159996

A.2 Comments