

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3082 - L2 Version 3
Chandra X-Ray Center

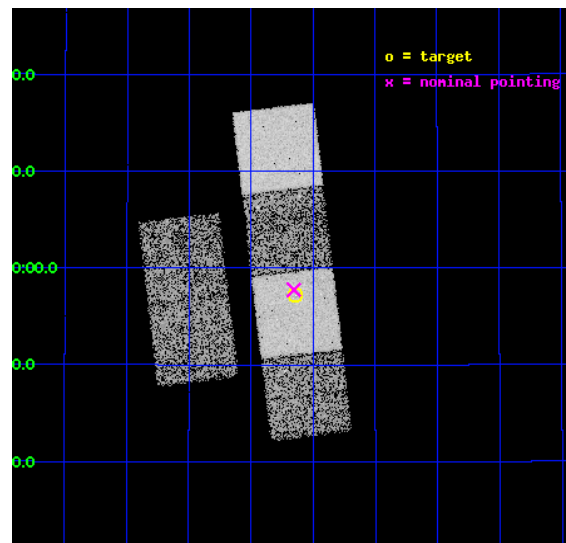
L2 Processing Date : Oct 5 2012

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1 Front

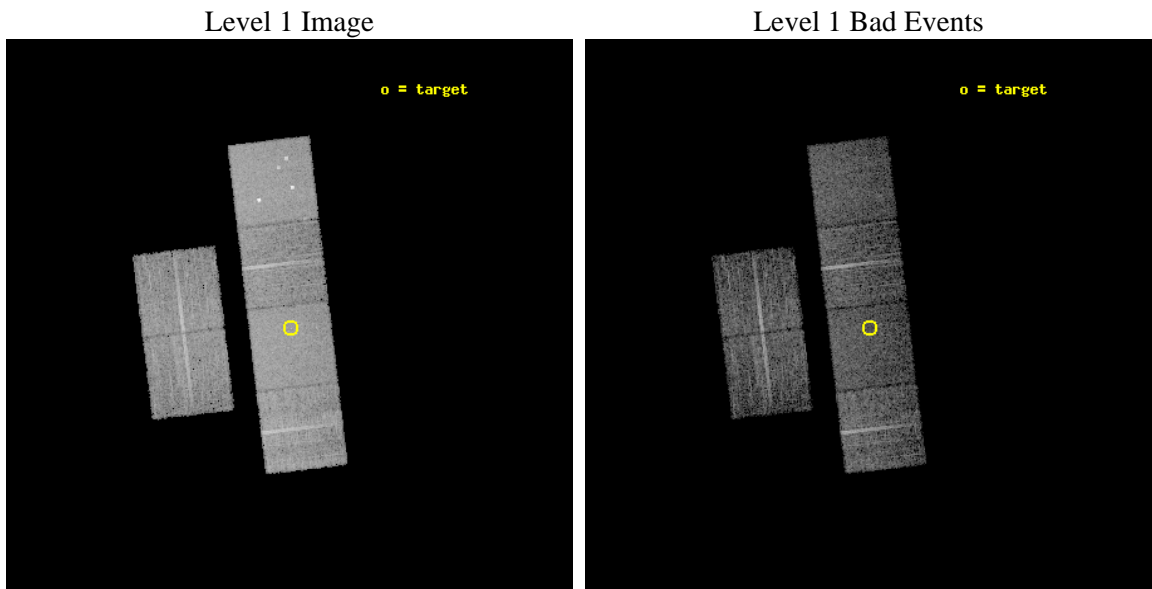
seq_num	700521	Sequence number
obs_id	3082	Observation id
title	X-RAY WEAK BROAD-LINE QUASARS: ABSORPTION OR INTRINSIC X_RAY WEAKNESS ?	Proposal title
observer	Dr Guido Risaliti	Principal investigator
object	HS 2251+2941	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	343.410417	Observer's specified target RA [deg]
dec_targ	29.953361	Observer's specified target Dec [deg]
ra_nom	343.41368356367	Nominal RA [deg]
dec_nom	29.962620398186	Nominal Dec [deg]
roll_nom	83.243891156929	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7107.1999735236	Sum of GTIs [s]
livetime	7017.2043280168	Livetime [s]
ontime2	7107.1999735236	Sum of GTIs [s]
ontime3	7107.1999735236	Sum of GTIs [s]
ontime5	7107.1999735236	Sum of GTIs [s]
ontime6	7103.9590132535	Sum of GTIs [s]
ontime7	7107.1999735236	Sum of GTIs [s]
ontime8	7107.1999735236	Sum of GTIs [s]
l2events	71028	Number of level 2 events



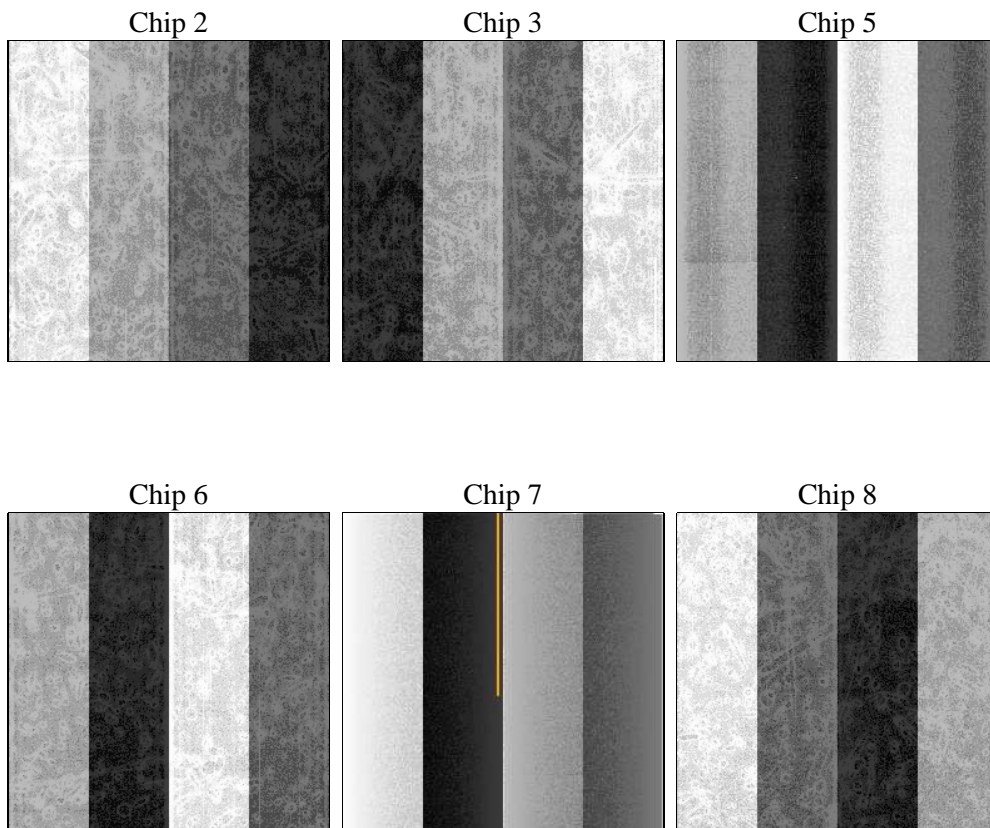
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	7000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	7107.1999735236	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	7107.1999735236	Sum of GTIs [s]
date	2012-10-05T16:44:12	Date and time of file creation	ontime3	7107.1999735236	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	7107.1999735236	Sum of GTIs [s]
			ontime6	7103.9590132535	Sum of GTIs [s]
			ontime7	7107.1999735236	Sum of GTIs [s]
			ontime8	7107.1999735236	Sum of GTIs [s]
			l1events	330024	Number of level 1 events

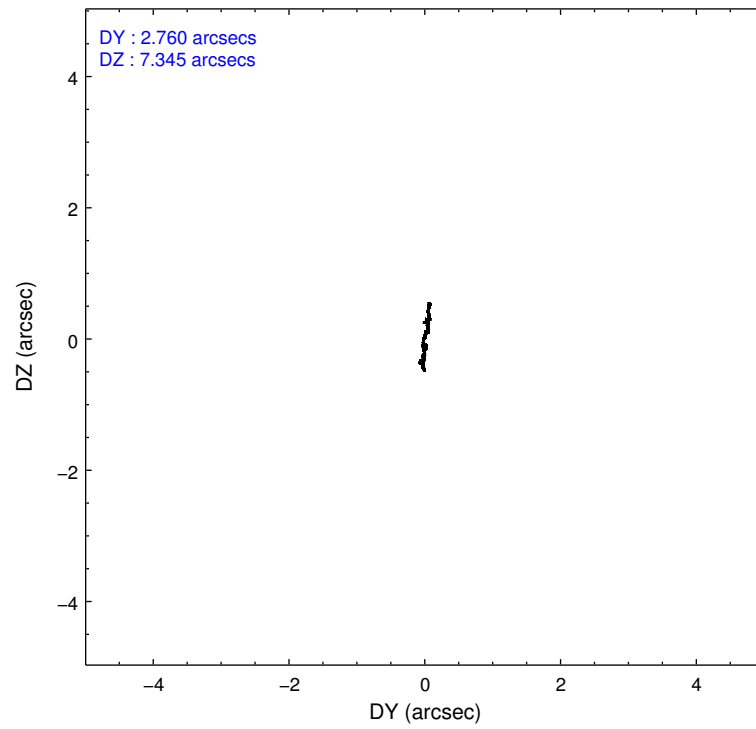
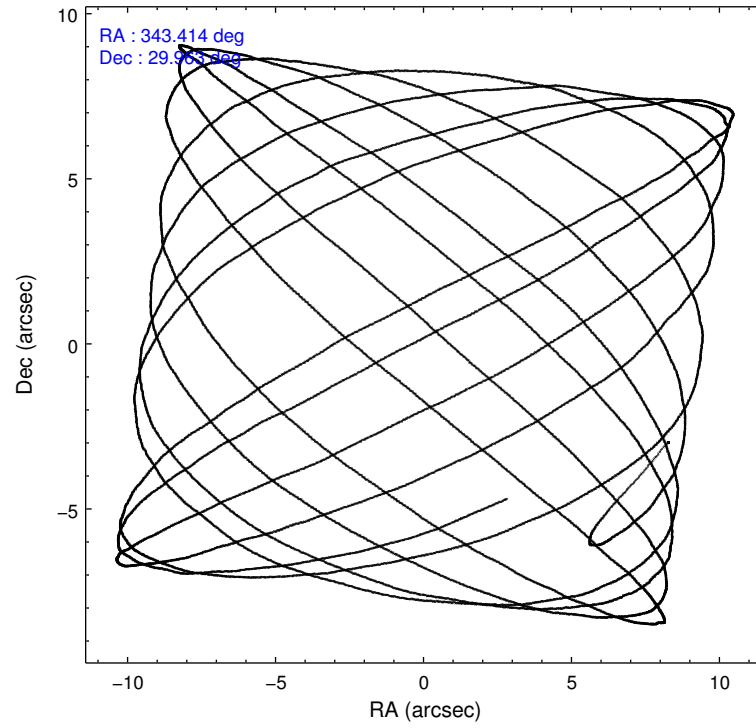
2.1.4 Events

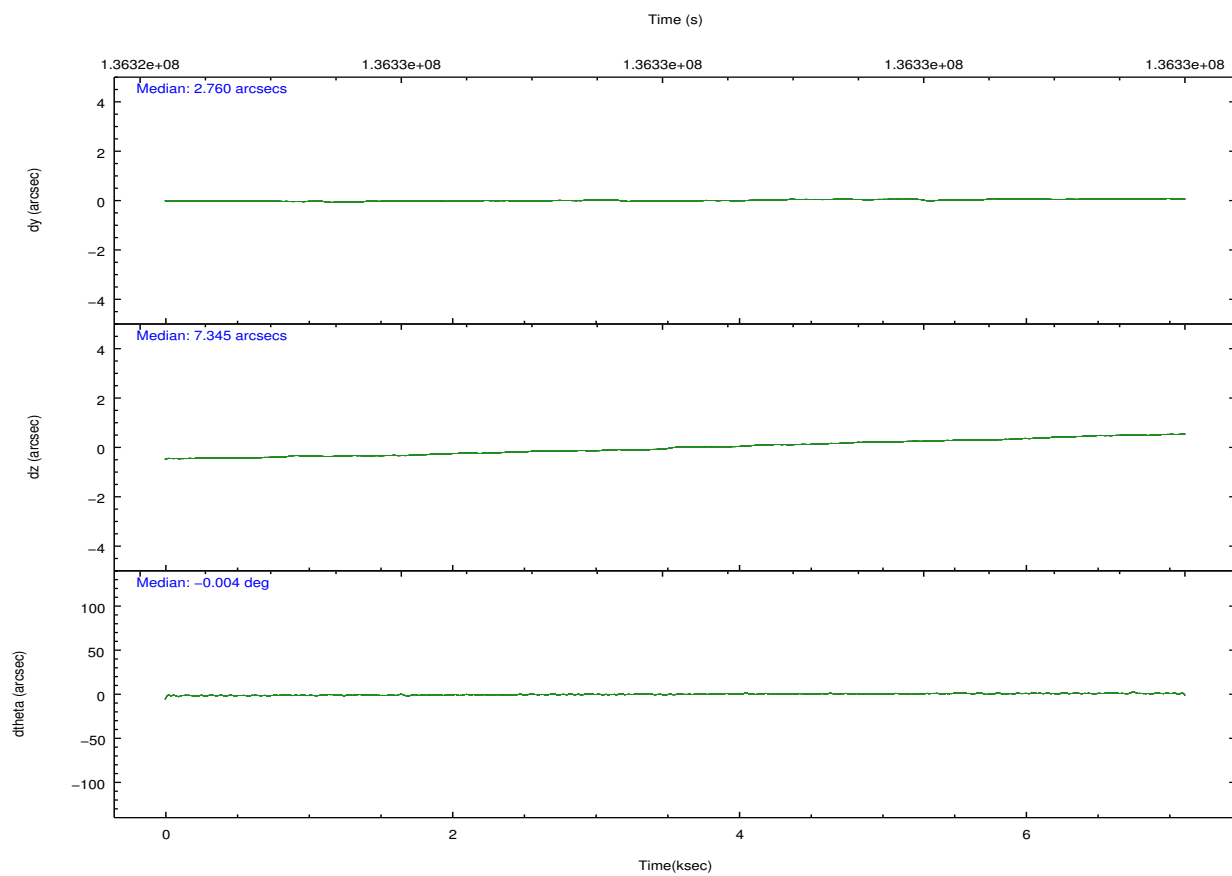
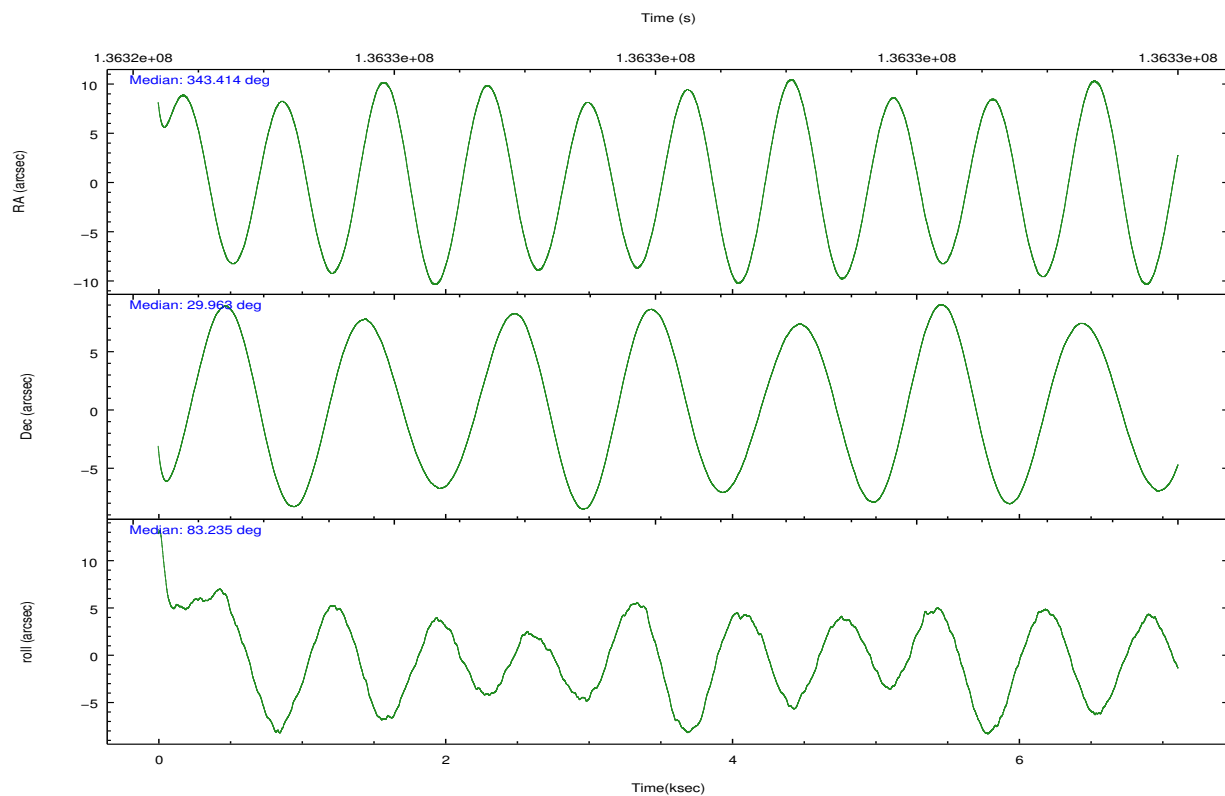
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	47383	45251	70042	46302	60097	60949	grade 0 events	2552	2379	6614	2316	2522	4443
rejected events	41872	39892	37285	40858	35850	47299		5%	5%	9%	5%	4%	7%
rejected %	88%	88%	53%	88%	59%	77%	grade 1 events	21	21	119	27	62	35
								0%	0%	0%	0%	0%	0%
							grade 2 events	1202	1176	8870	1183	5025	2877
								2%	2%	12%	2%	8%	4%
							grade 3 events	528	477	1294	543	2296	1709
								1%	1%	1%	1%	3%	2%
							grade 4 events	463	535	1301	515	2214	1584
								0%	1%	1%	1%	3%	2%
							grade 5 events	1689	1819	4883	1993	5840	2569
								3%	4%	6%	4%	9%	4%
							grade 6 events	976	1031	16070	1119	13262	3527
								2%	2%	22%	2%	22%	5%
							grade 7 events	39952	37813	30891	38606	28876	44205
								84%	83%	44%	83%	48%	72%

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	343.426441	343.4136835636664	Subarray requested	NONE	NONE
[deg] Pointing Dec	29.937744	29.9626203981864	Alternating exposures requested	N	N
[deg] Pointing Roll	83.080891	83.24389115692925	[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)	136324650.184000	136323467.93244			
Observation start date	2002-04-27T19:56:26	2002-04-27T19:37:47			
[s] Observation end time (MET)	136331650.184000	136332202.9828			
Observation end date	2002-04-27T21:53:06	2002-04-27T22:03:22			
Read mode	TIMED	TIMED			

2.3 Aspect



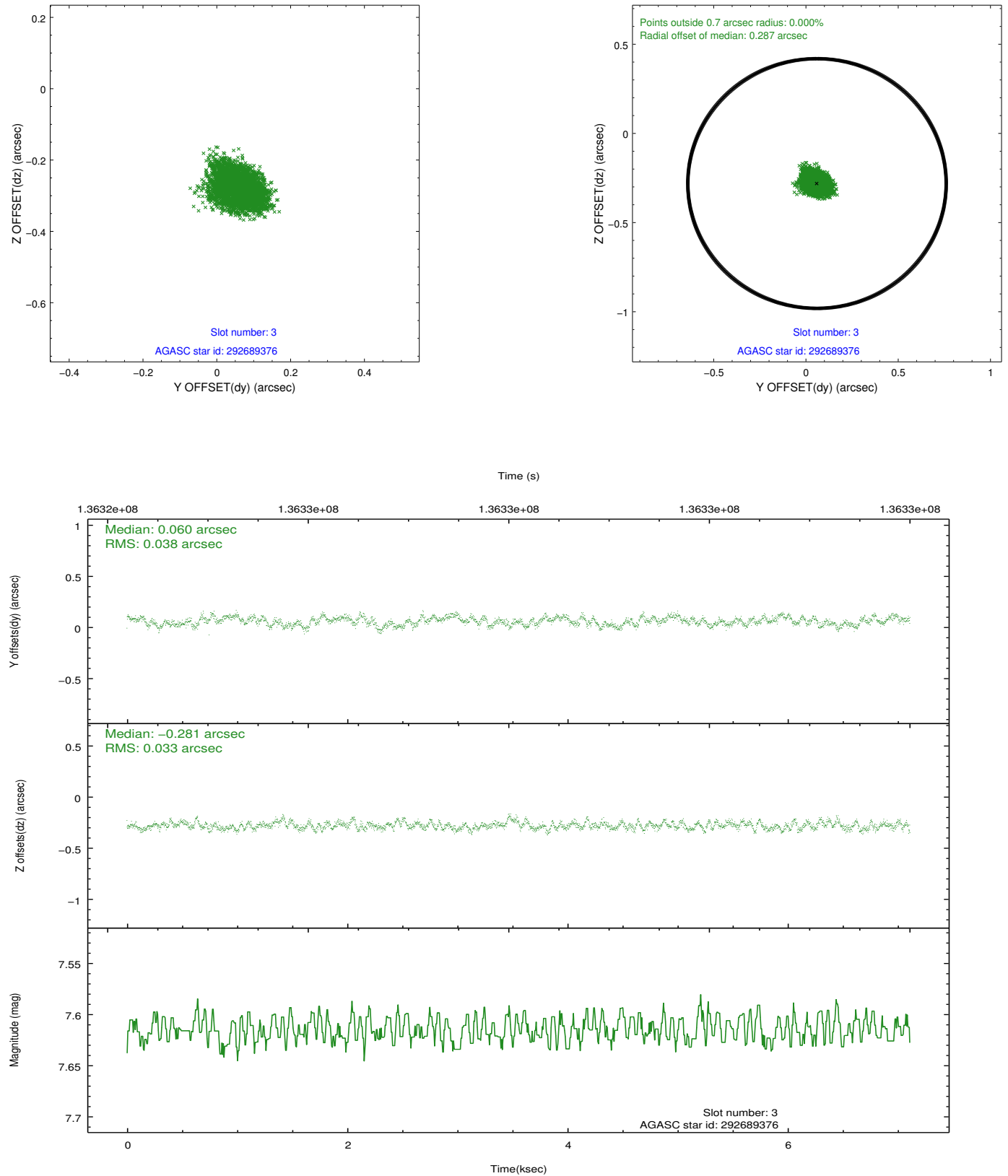


Slot Statistics

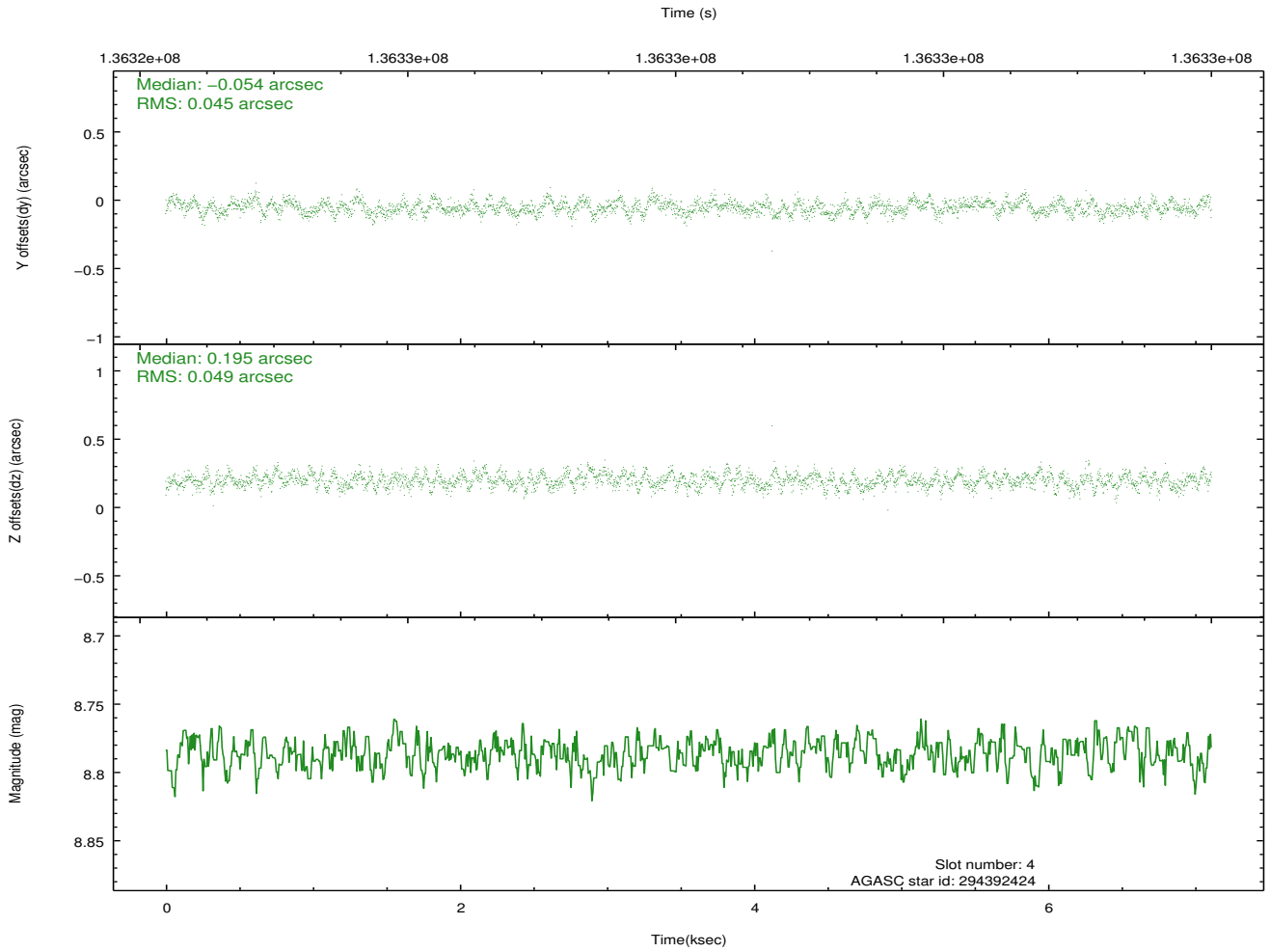
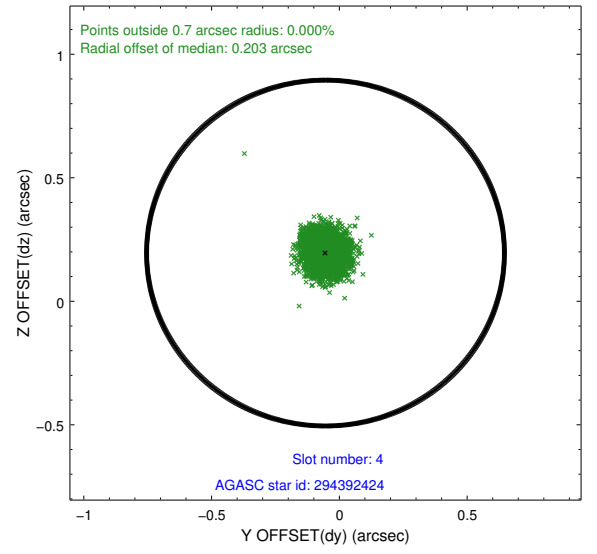
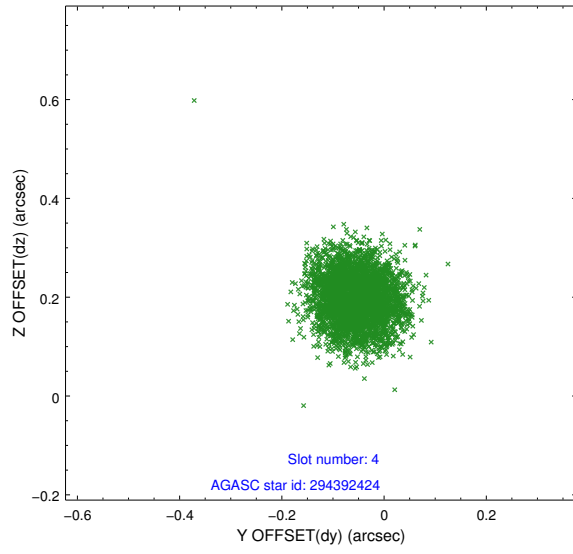
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1735	-0.010	0.002	0.010	0.016	0.000000	0.000000	-755.42	-1728.51
1	FID	ACIS-S-4	7.20	1735	-0.039	0.005	0.005	0.011	0.000000	0.000000	2157.47	179.14
2	FID	ACIS-S-5	7.24	1735	0.019	0.002	0.009	0.015	0.000000	0.000000	-1807.19	173.73
3	GUIDE	292689376	7.62	3470	0.060	-0.281	0.054	0.087	342.835363	29.799429	-712.60	1773.25
4	GUIDE	294392424	8.79	3470	-0.054	0.195	0.071	0.111	344.160387	29.990797	472.36	-2247.10
5	GUIDE	360321448	8.65	3468	-0.148	-0.072	0.062	0.099	343.410212	30.620907	2435.00	345.85
6	GUIDE	360338152	9.33	3469	-0.087	0.268	0.097	0.152	344.157154	30.014472	556.49	-2226.60
7	GUIDE	292685960	8.63	3468	0.226	-0.113	0.059	0.096	343.202769	29.440962	-1859.29	479.84

2.4 Star Slots

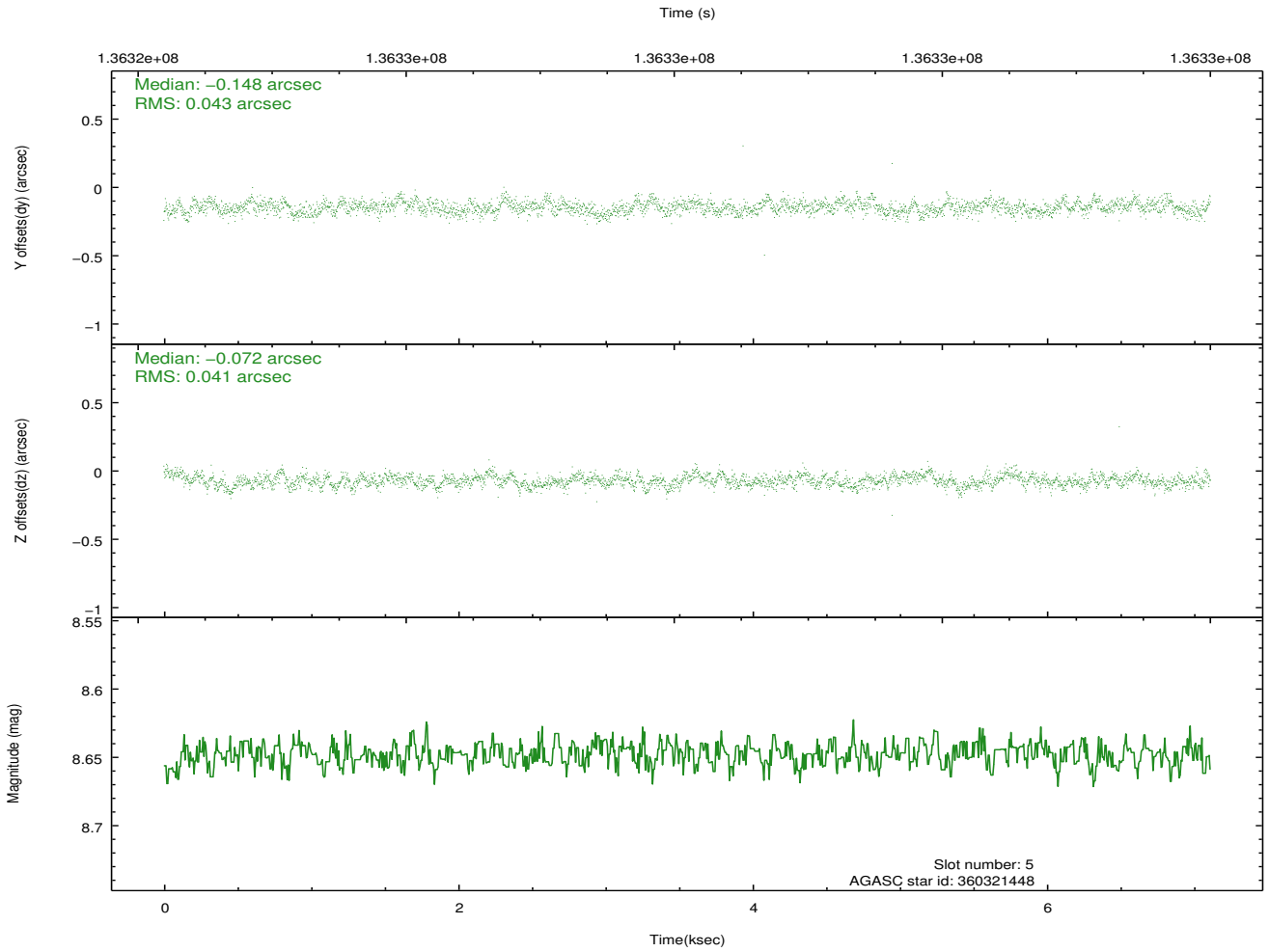
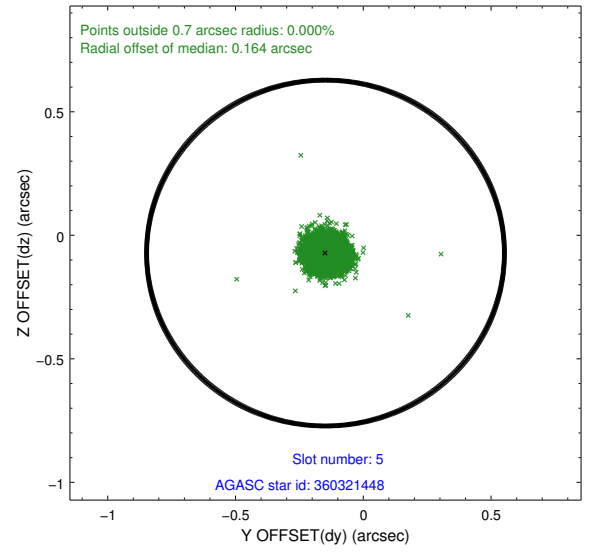
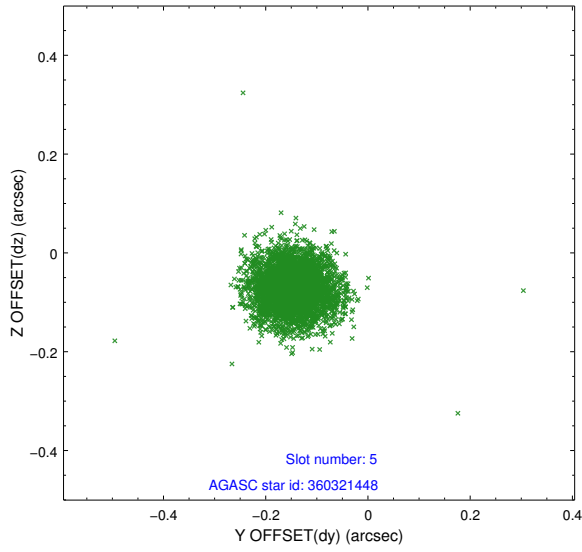
2.4.1 Slot 3



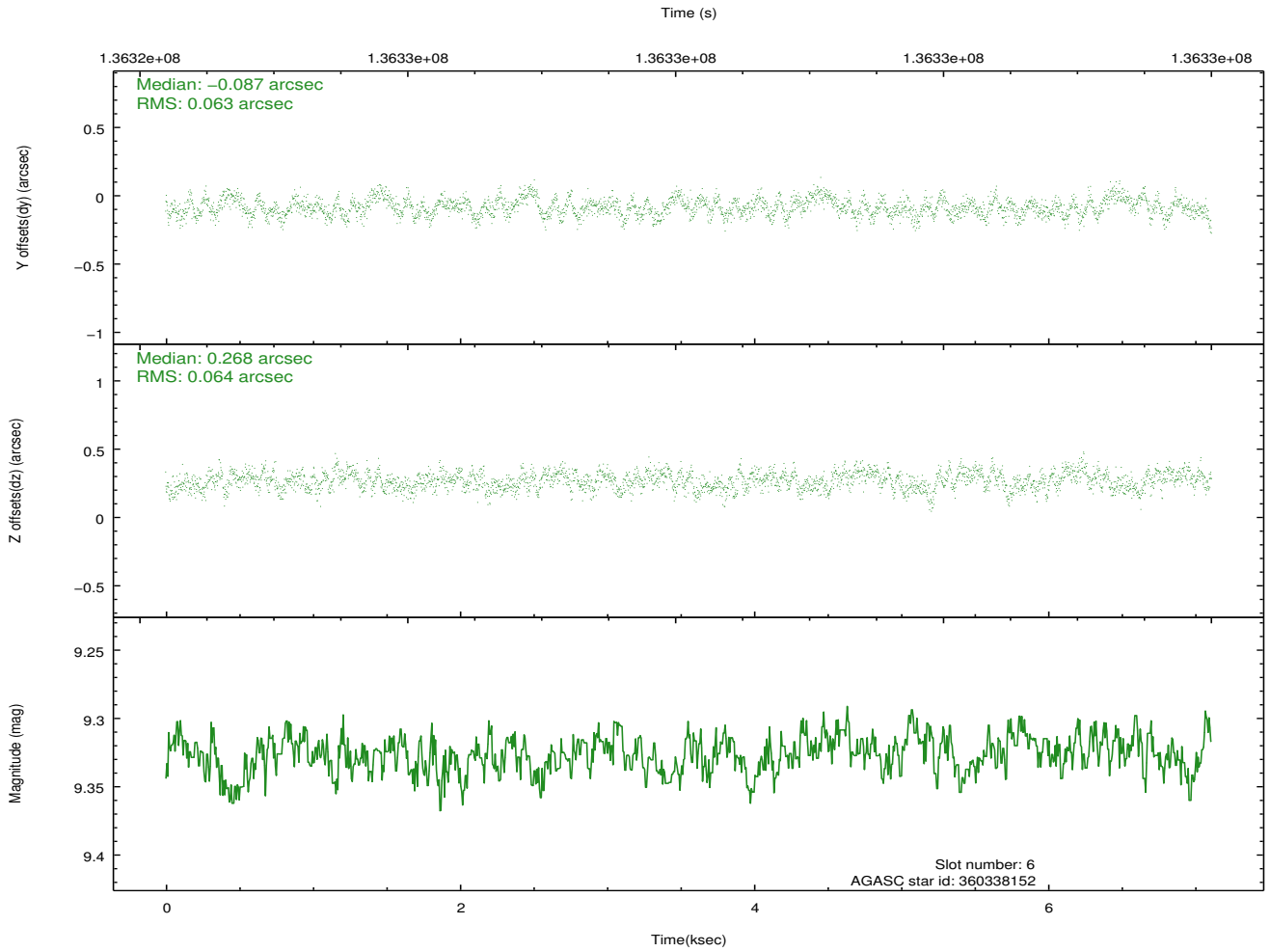
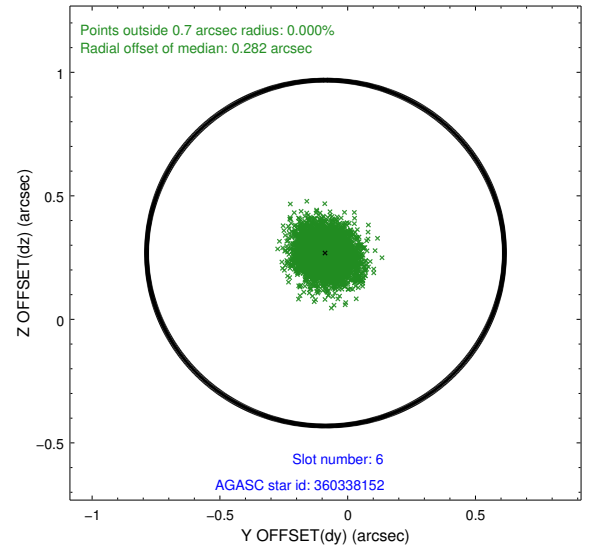
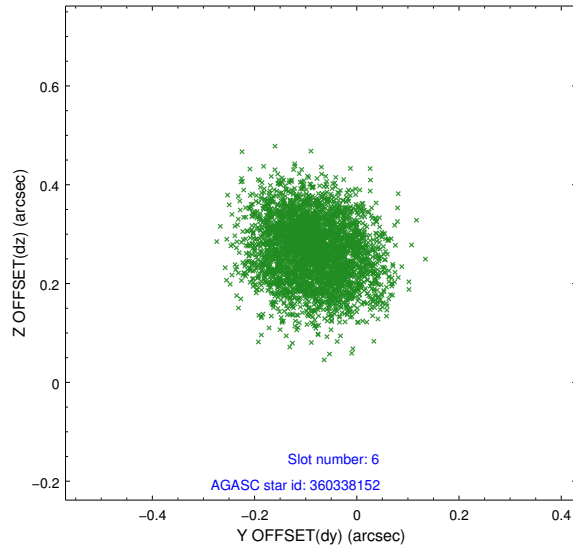
2.4.2 Slot 4



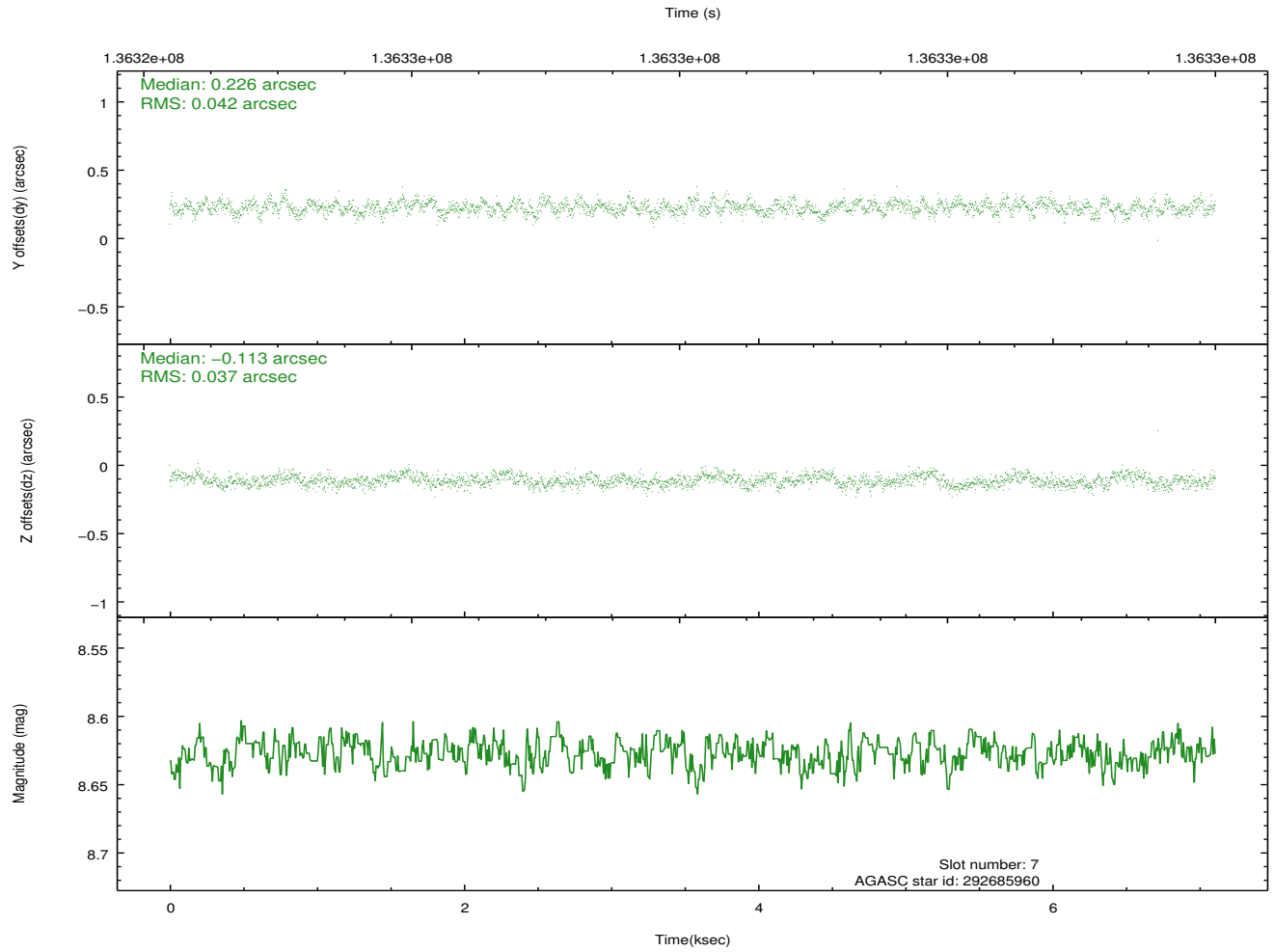
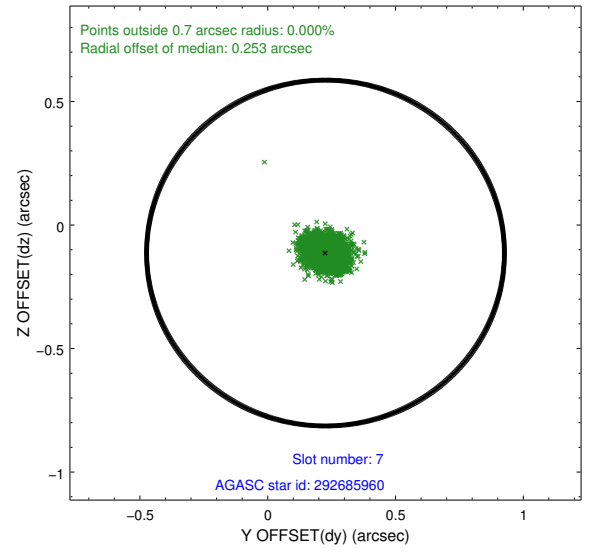
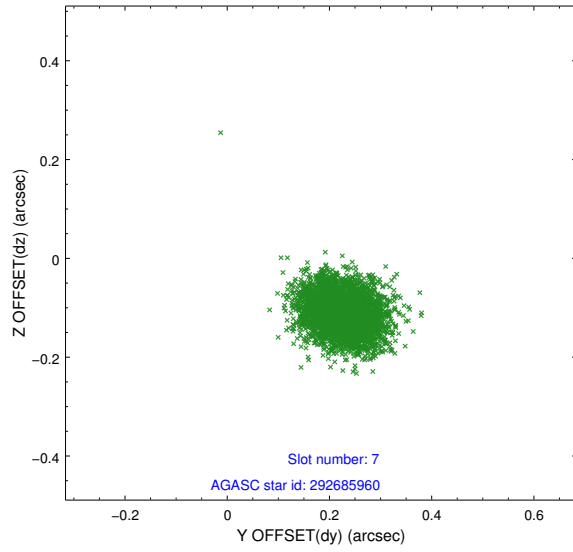
2.4.3 Slot 5



2.4.4 Slot 6

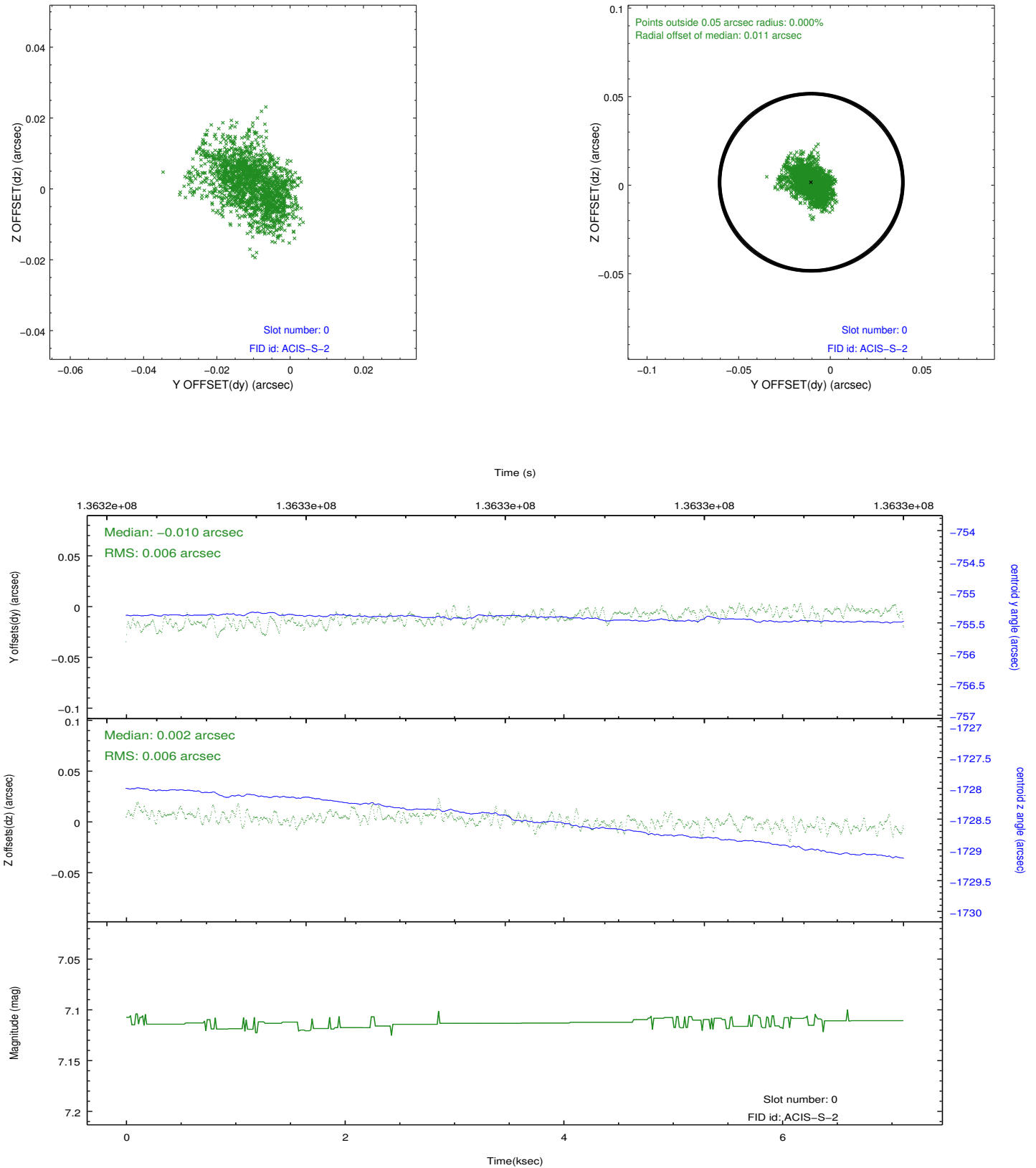


2.4.5 Slot 7

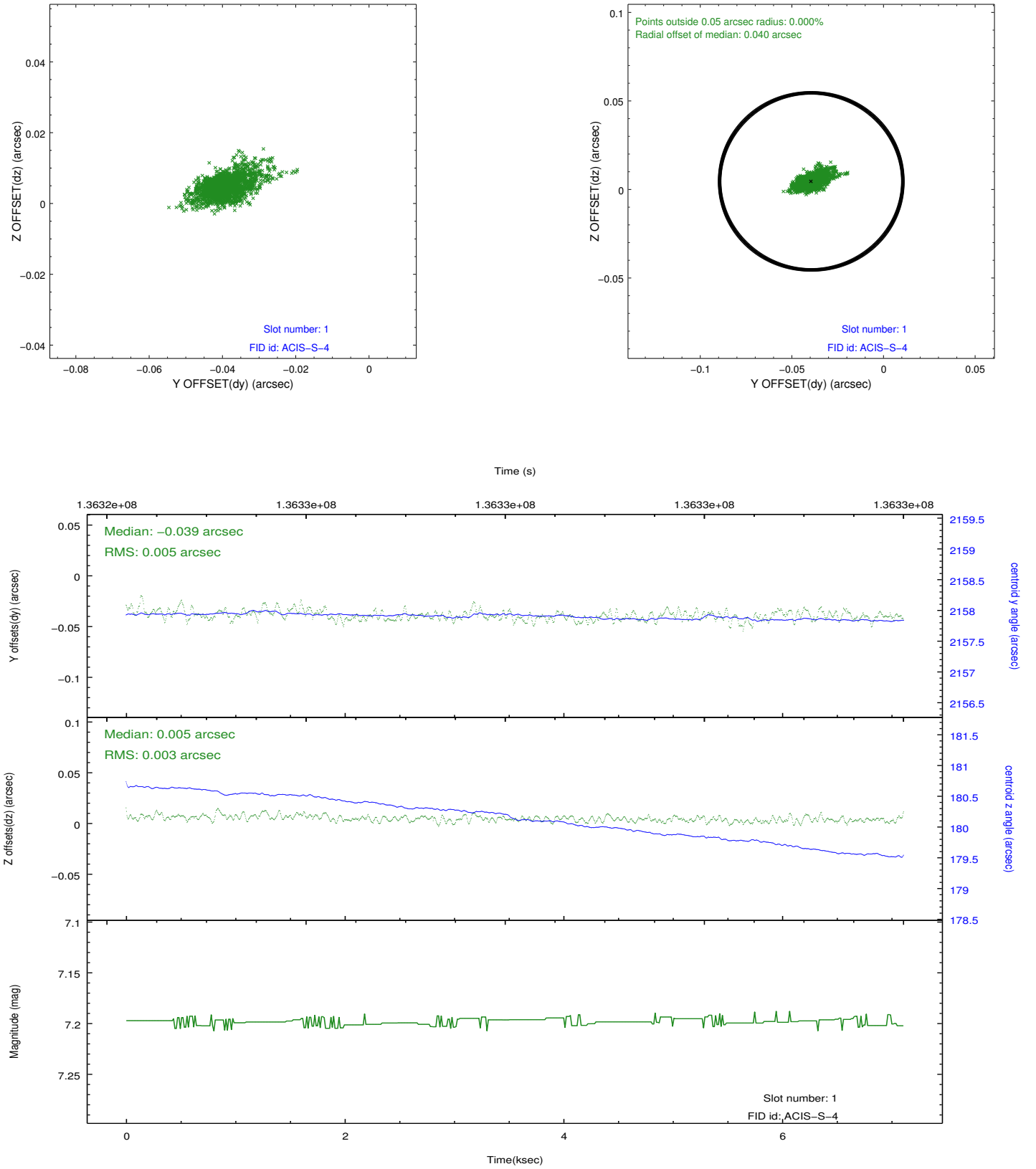


2.5 FID Slots

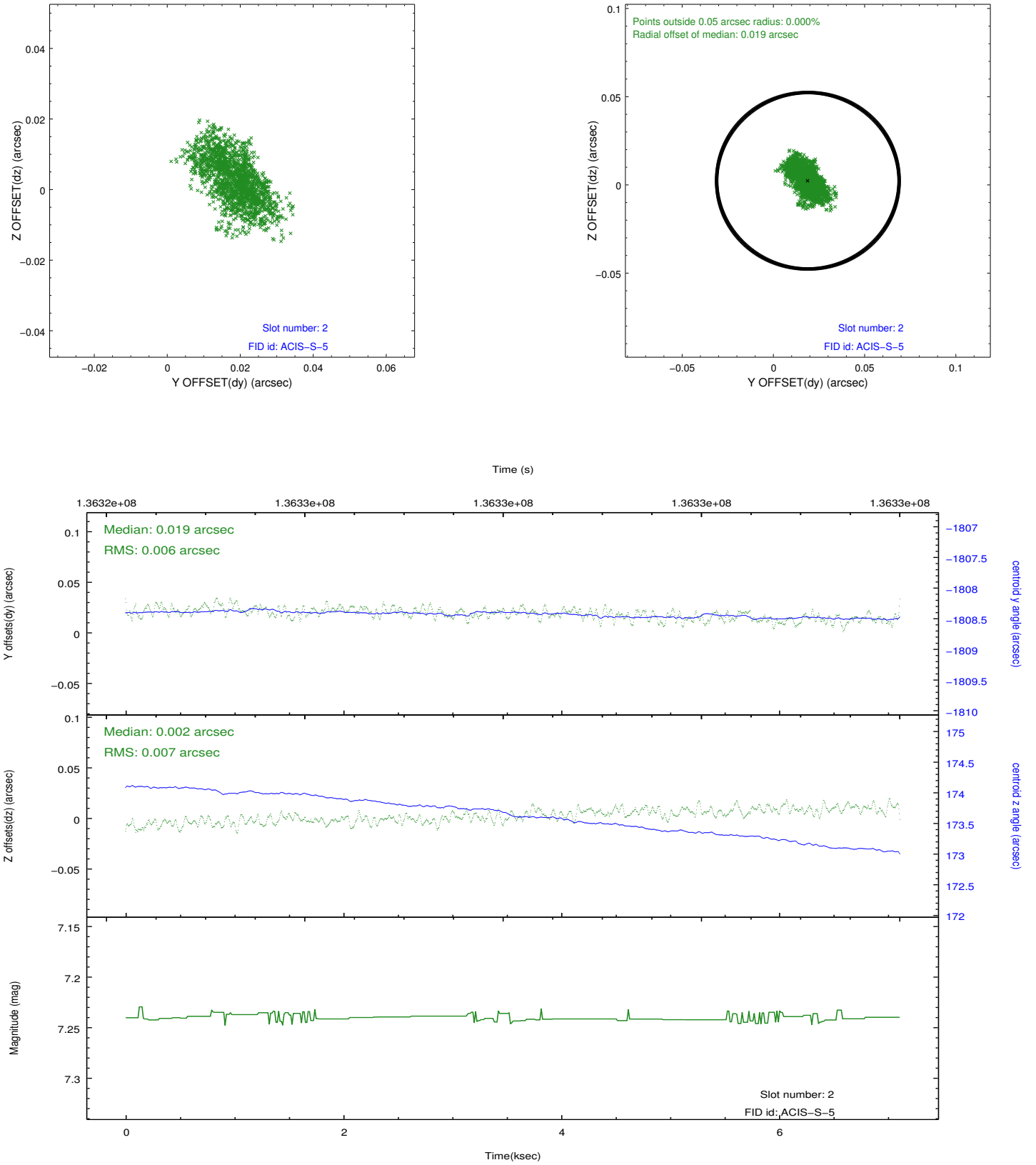
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.10.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.107

A.2 Comments