

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 7128 - L2 Version 2
Chandra X-Ray Center

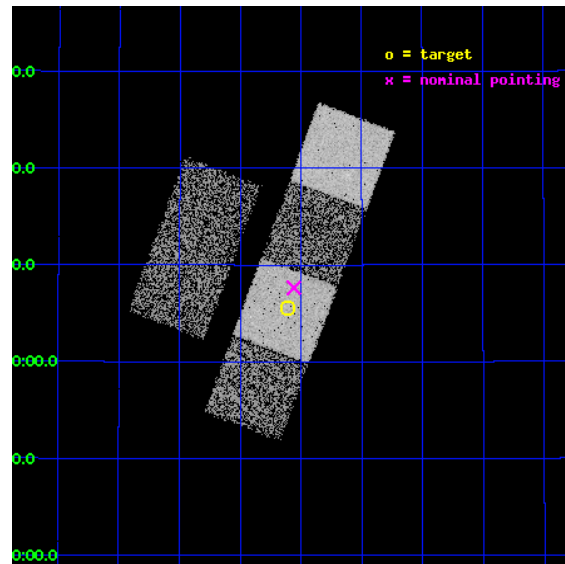
L2 Processing Date : Mar 25 2012

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1 Front

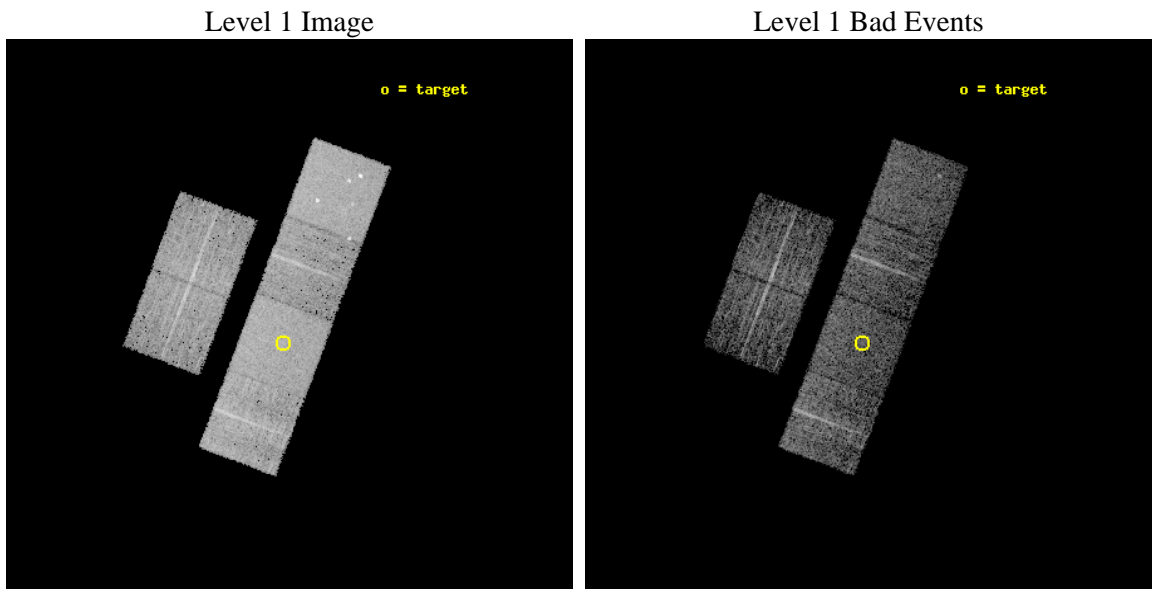
seq_num	600566	Sequence number
obs_id	7128	Observation id
title	A Complete Sample of ULX Host Galaxies	Proposal title
observer	Douglas Swartz	Principal investigator
object	NGC 4509	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	188.278333	Observer's specified target RA [deg]
dec_targ	32.091694	Observer's specified target Dec [deg]
ra_nom	188.2647581771	Nominal RA [deg]
dec_nom	32.127285431802	Nominal Dec [deg]
roll_nom	110.58062878999	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3902.9513115585	Sum of GTIs [s]
livetime	3853.5297919764	Livetime [s]
ontime2	3902.9923515618	Sum of GTIs [s]
ontime3	3902.8281915486	Sum of GTIs [s]
ontime5	3902.9102715552	Sum of GTIs [s]
ontime6	3902.8692315519	Sum of GTIs [s]
ontime7	3902.9513115585	Sum of GTIs [s]
ontime8	3902.7871515751	Sum of GTIs [s]
l2events	53360	Number of level 2 events



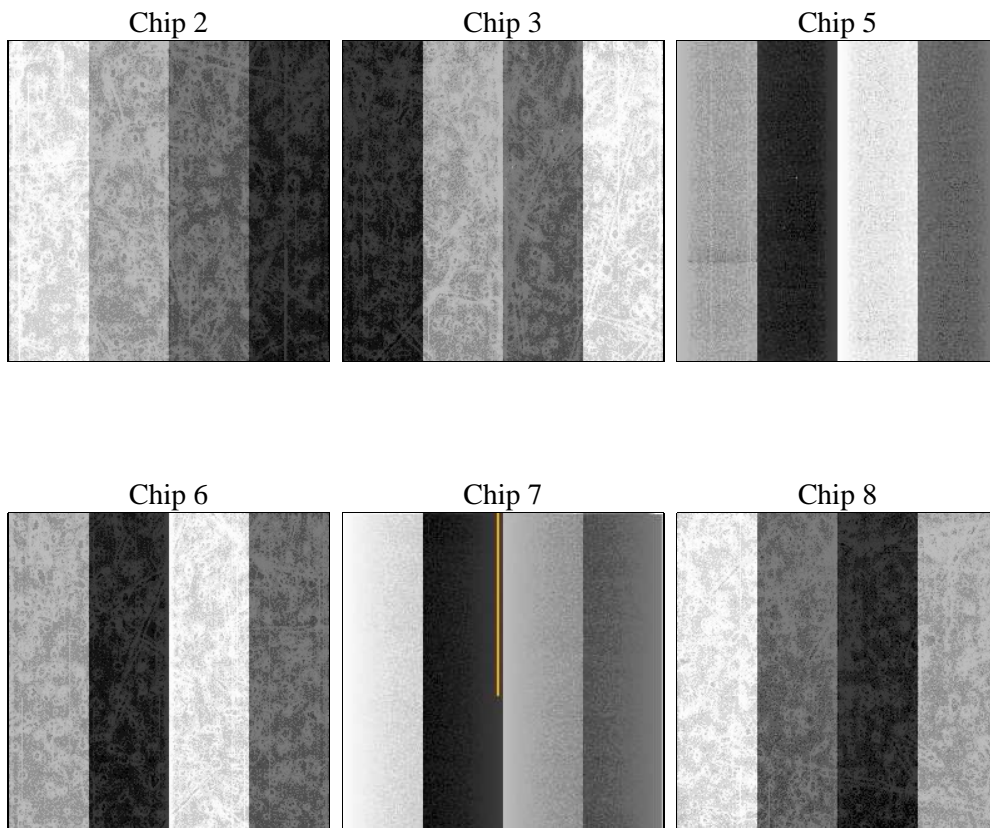
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3950.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	3902.9513115585	Sum of GTIs [s]
caldsver	4.4.8	 	ontime2	3902.9923515618	Sum of GTIs [s]
date	2012-03-25T15:49:58	Date and time of file creation	ontime3	3902.8281915486	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	3902.9102715552	Sum of GTIs [s]
			ontime6	3902.8692315519	Sum of GTIs [s]
			ontime7	3902.9513115585	Sum of GTIs [s]
			ontime8	3902.7871515751	Sum of GTIs [s]
			l1events	237525	Number of level 1 events

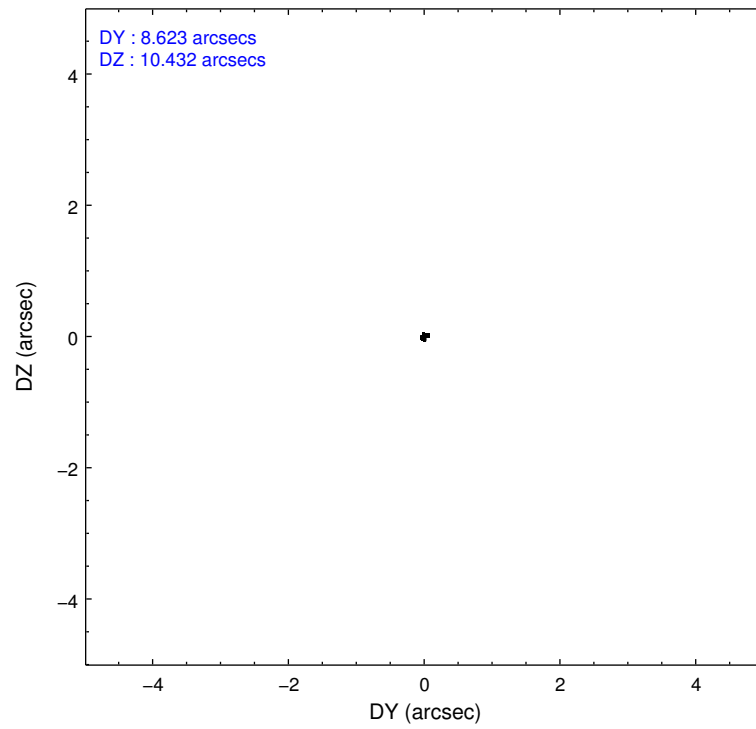
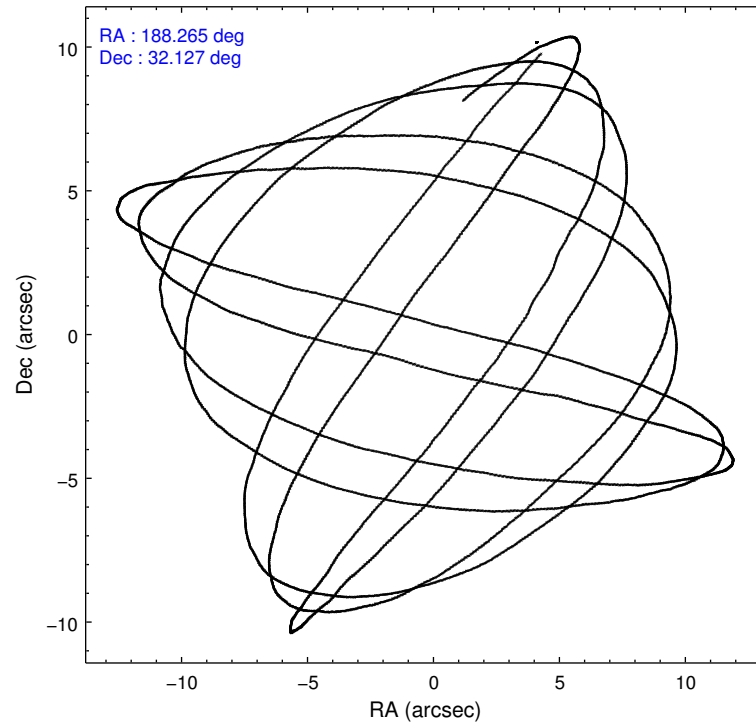
2.1.4 Events

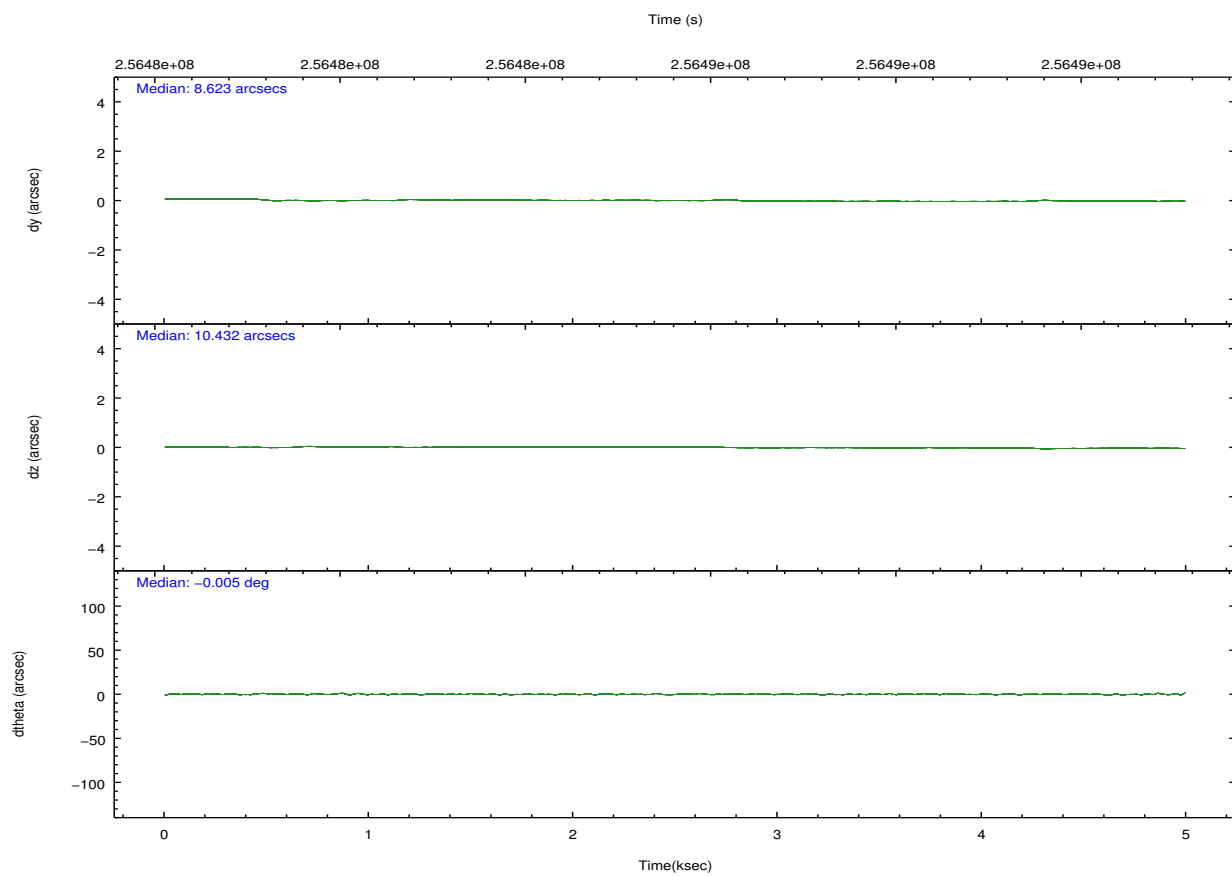
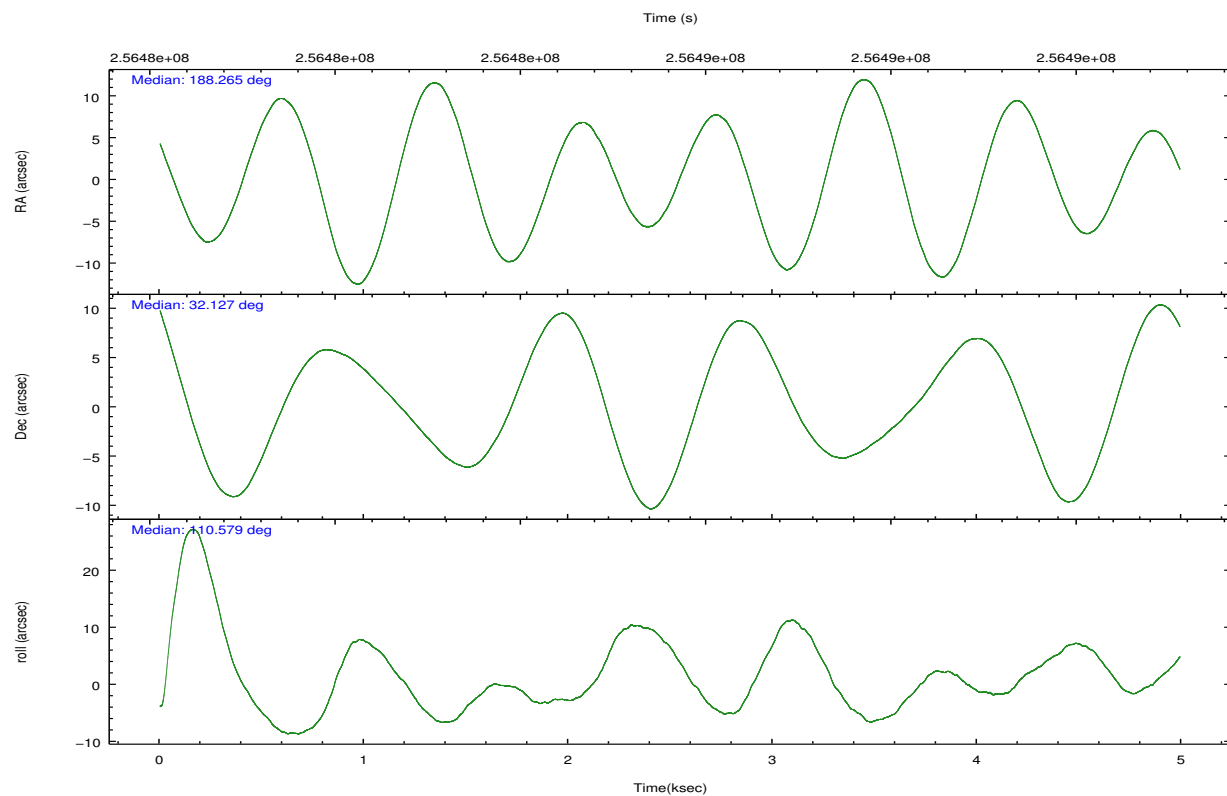
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	33532	30741	51836	31874	45357	44185	grade 0 events	1625	1582	3305	1525	1669	2906
rejected events	29737	27052	27272	27960	26677	34454		4%	5%	6%	4%	3%	6%
rejected %	88%	87%	52%	87%	58%	77%	grade 1 events	26	17	184	30	48	23
								0%	0%	0%	0%	0%	0%
							grade 2 events	817	726	7266	806	3682	2228
								2%	2%	14%	2%	8%	5%
							grade 3 events	377	361	920	410	1606	995
								1%	1%	1%	1%	3%	2%
							grade 4 events	360	368	793	361	1635	892
								1%	1%	1%	1%	3%	2%
							grade 5 events	1240	1469	3438	1534	4262	2085
								3%	4%	6%	4%	9%	4%
							grade 6 events	624	659	12317	817	10131	2738
								1%	2%	23%	2%	22%	6%
							grade 7 events	28463	25559	23613	26391	22324	32318
								84%	83%	45%	82%	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	188.289898	188.2647581771035	Subarray requested	NONE	NONE
[deg] Pointing Dec	32.110277	32.12728543180188	Alternating exposures requested	N	N
[deg] Pointing Roll	110.410635	110.5806287899882	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	256484359.184000	256482969.10248			
Observation start date	2006-02-16T13:38:14	2006-02-16T13:16:09			
[s] Observation end time (MET)	256488309.184000	256489301.04028			
Observation end date	2006-02-16T14:44:04	2006-02-16T15:01:41			
Read mode	TIMED	TIMED			

2.3 Aspect



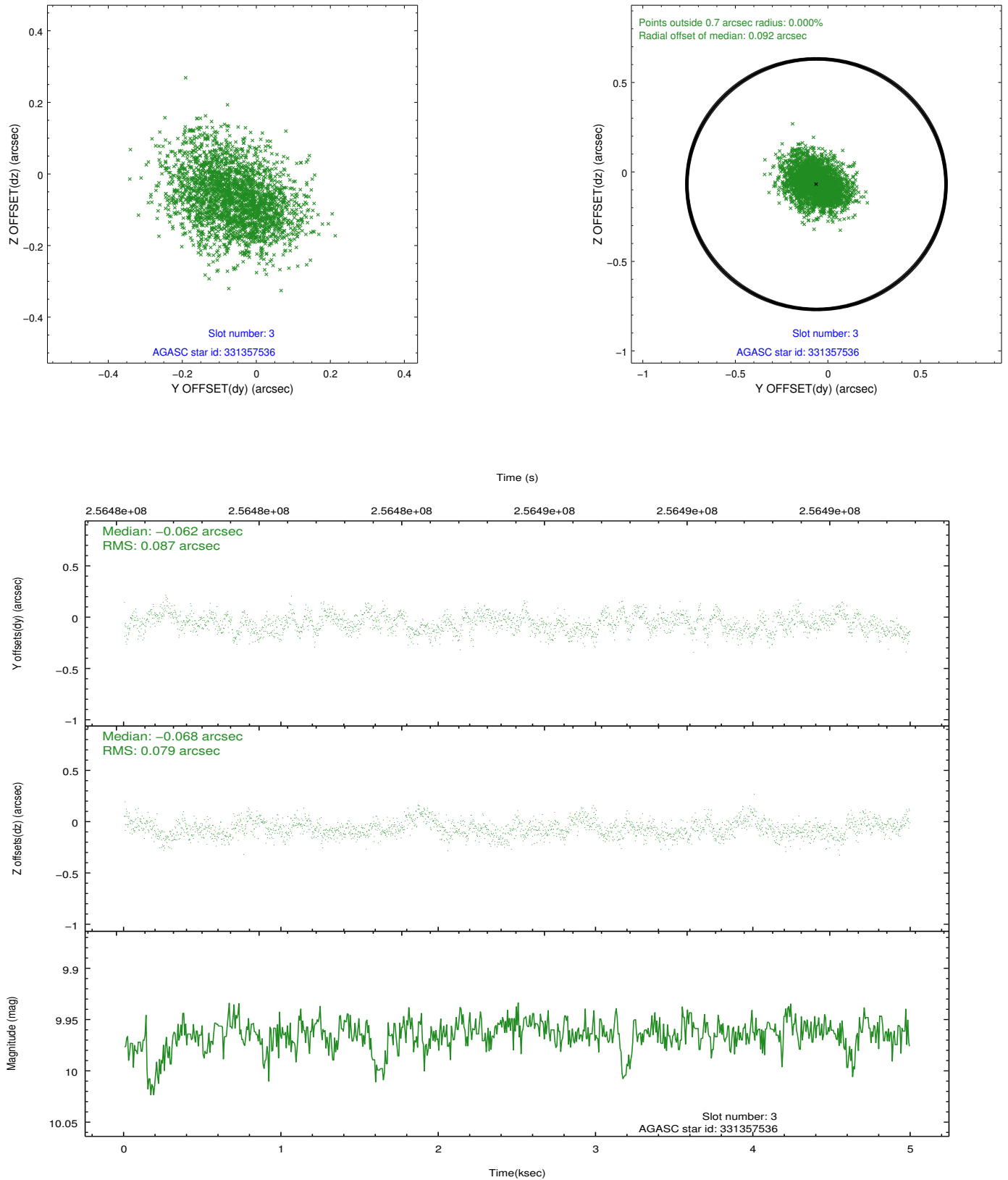


Slot Statistics

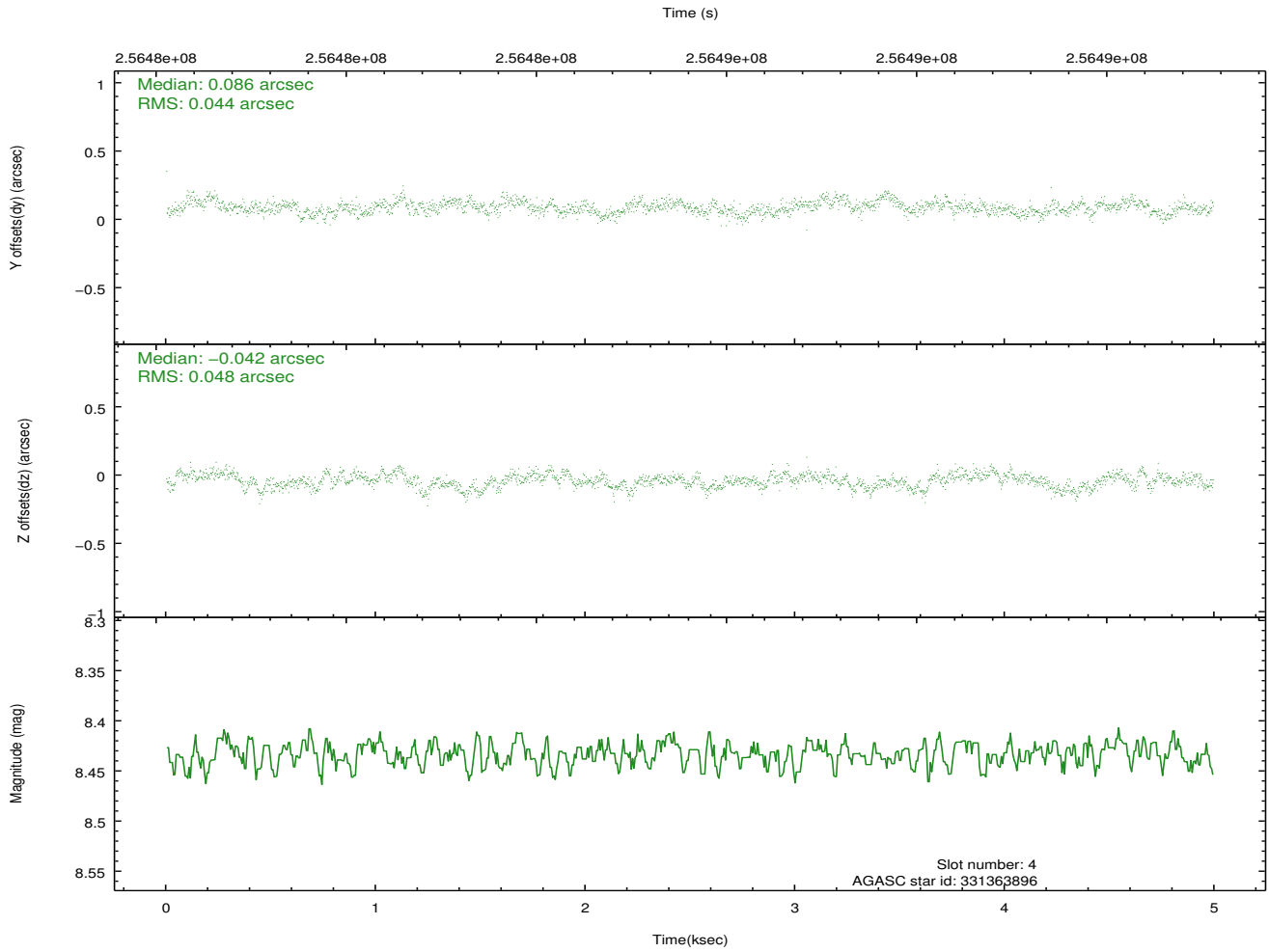
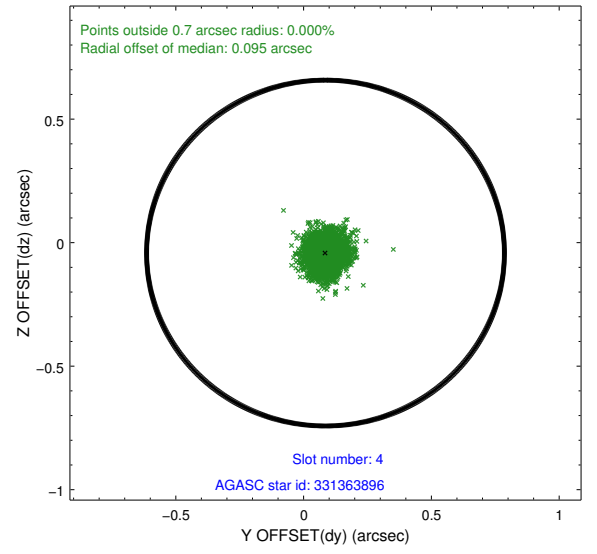
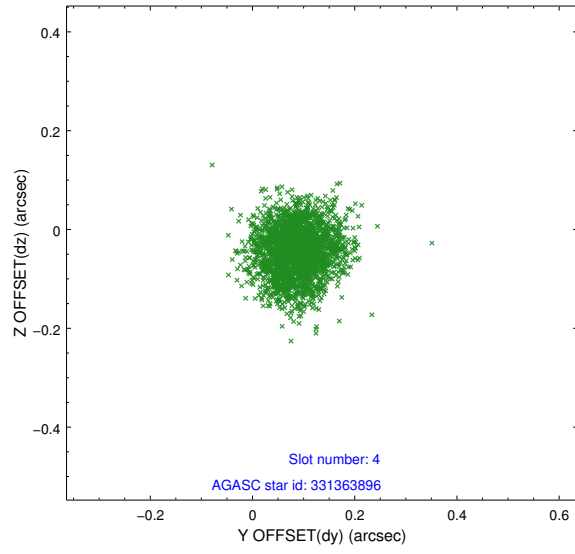
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1218	-0.048	-0.024	0.006	0.010	0.000000	0.000000	-761.42	-1731.68
1	FID	ACIS-S-4	7.21	1218	0.148	0.029	0.005	0.010	0.000000	0.000000	2151.45	175.67
2	FID	ACIS-S-5	7.23	1217	-0.132	0.003	0.006	0.011	0.000000	0.000000	-1812.83	170.60
3	GUIDE	331357536	9.96	2429	-0.062	-0.068	0.126	0.202	187.342382	32.394702	1976.16	2338.25
4	GUIDE	331363896	8.43	2436	0.086	-0.042	0.069	0.110	188.526976	32.026902	-531.61	-572.58
5	GUIDE	331367072	9.95	2431	-0.151	-0.123	0.197	0.293	188.123854	32.401259	1158.22	107.42
6	GUIDE	331752280	7.05	2436	0.015	0.166	0.097	0.133	189.005175	32.004046	-1112.22	-1915.32
7	GUIDE	331751184	9.30	2434	0.097	0.075	0.115	0.195	189.101090	32.195808	-564.49	-2427.28

2.4 Star Slots

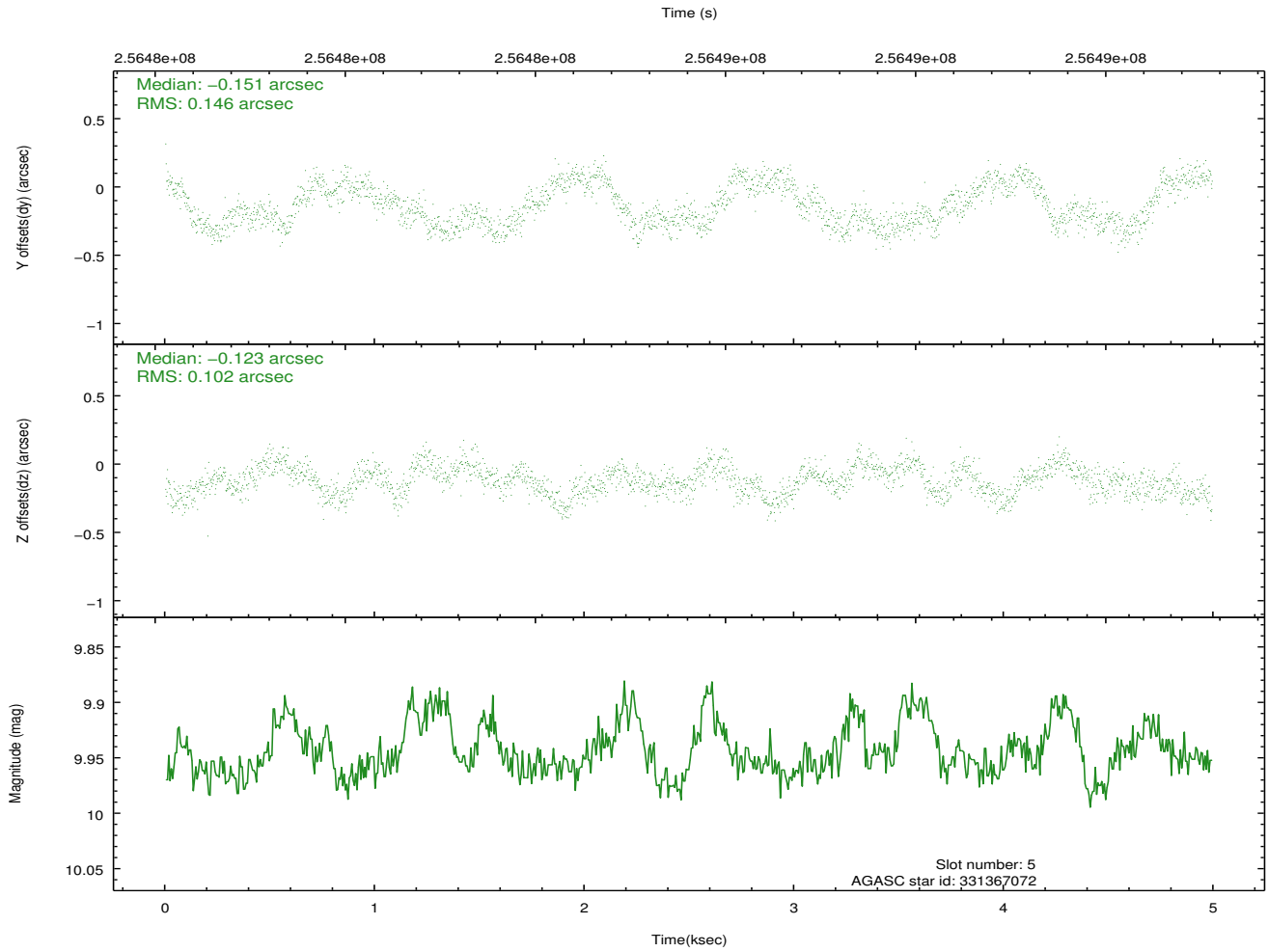
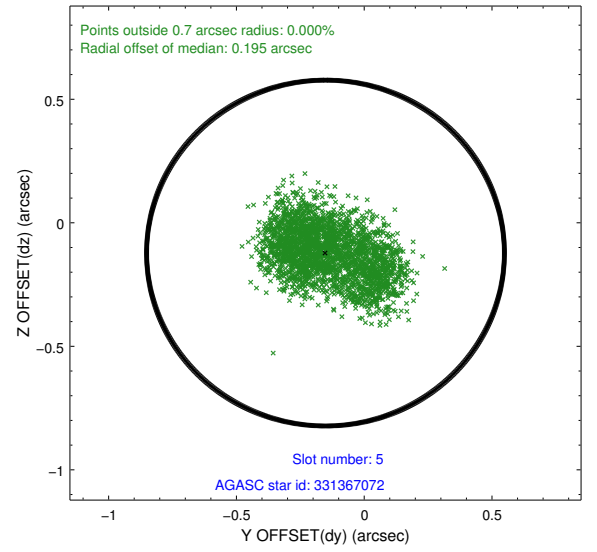
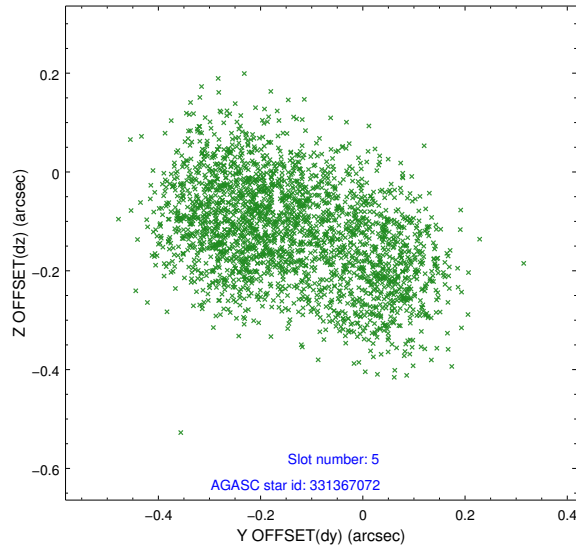
2.4.1 Slot 3



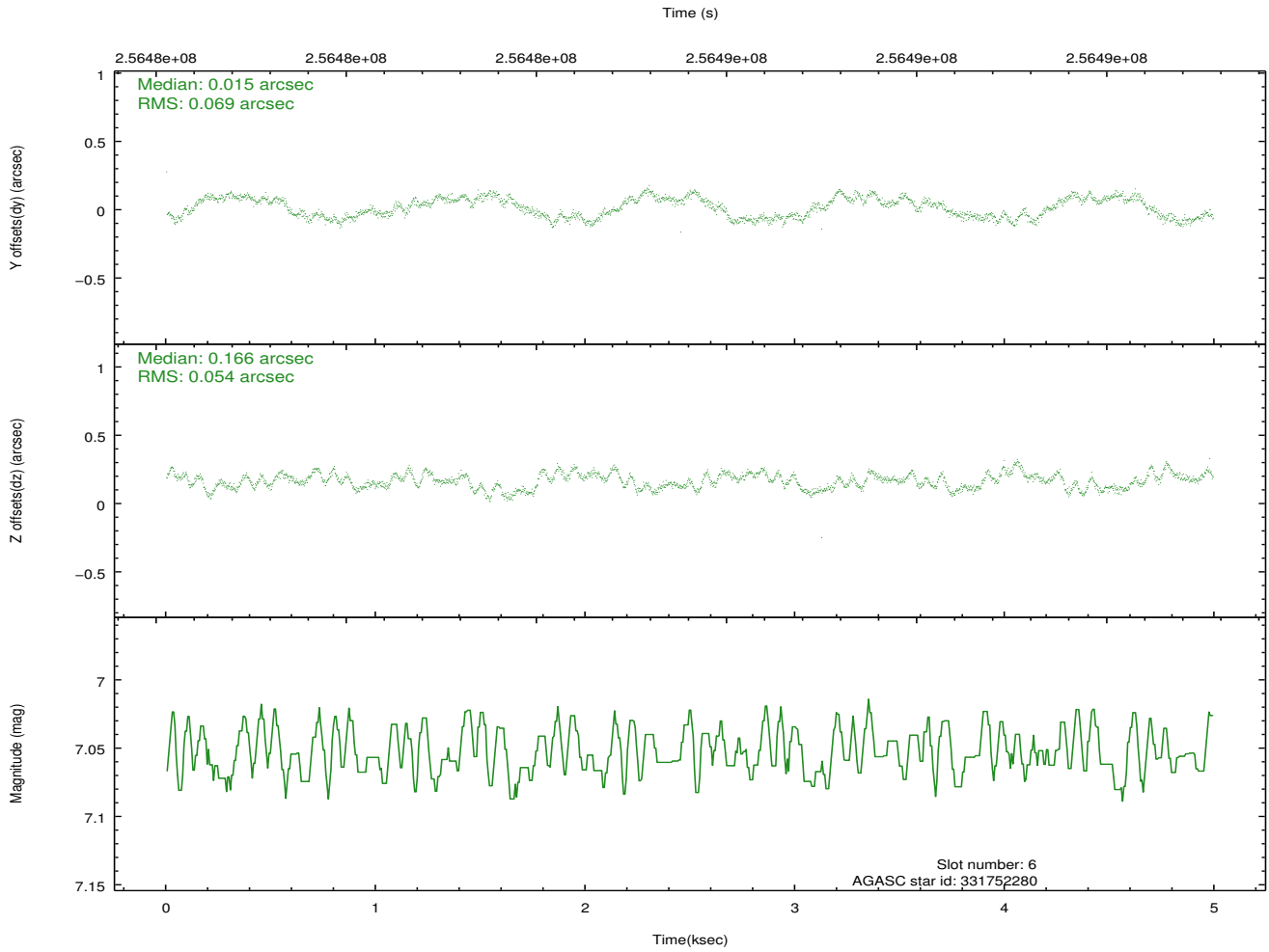
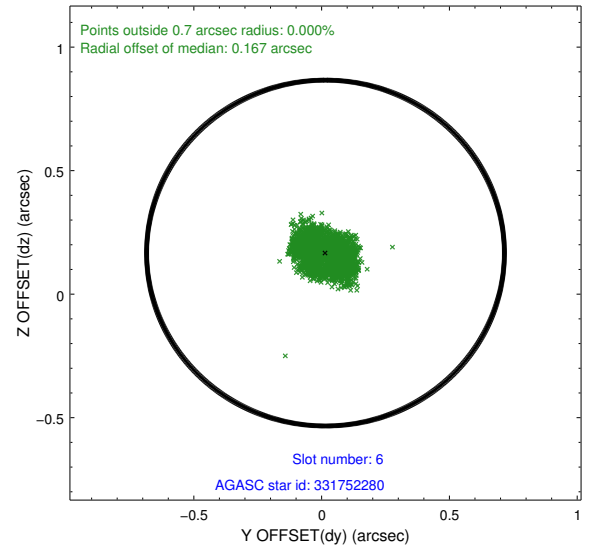
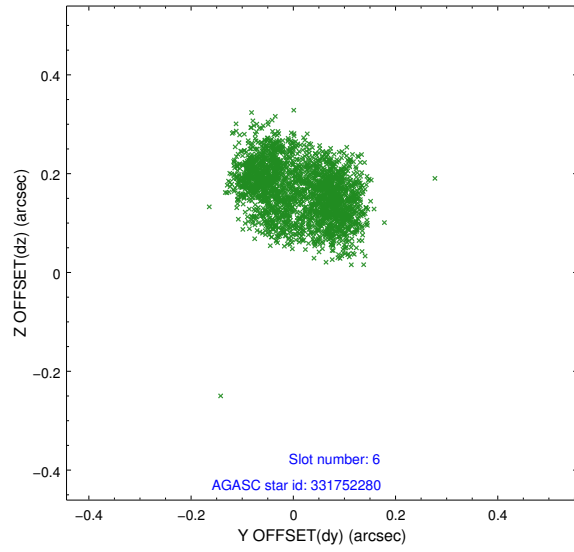
2.4.2 Slot 4



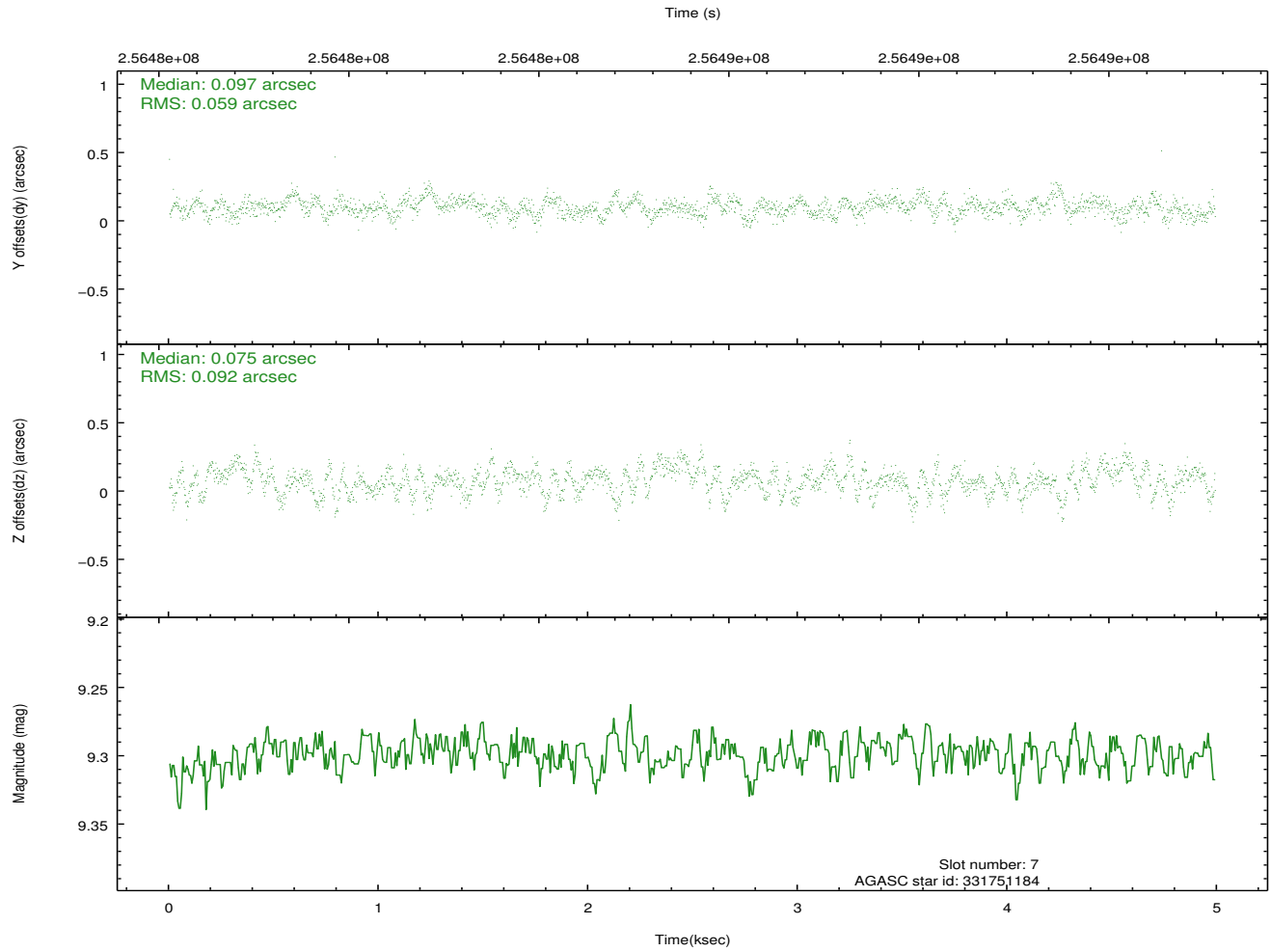
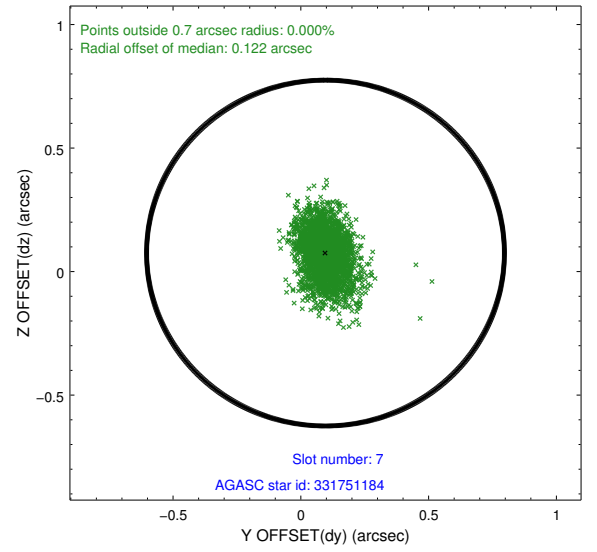
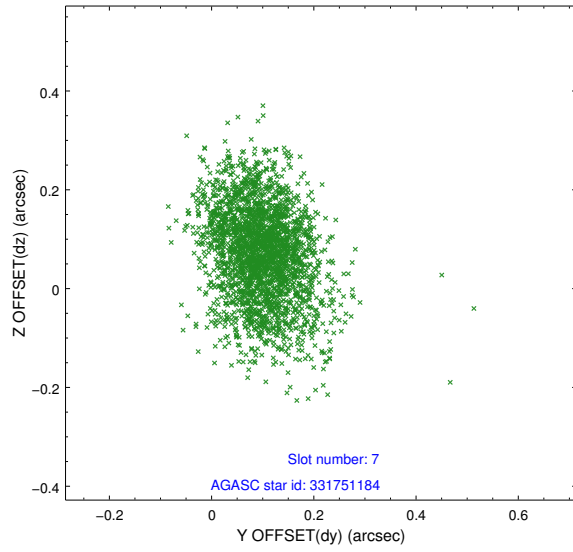
2.4.3 Slot 5



2.4.4 Slot 6

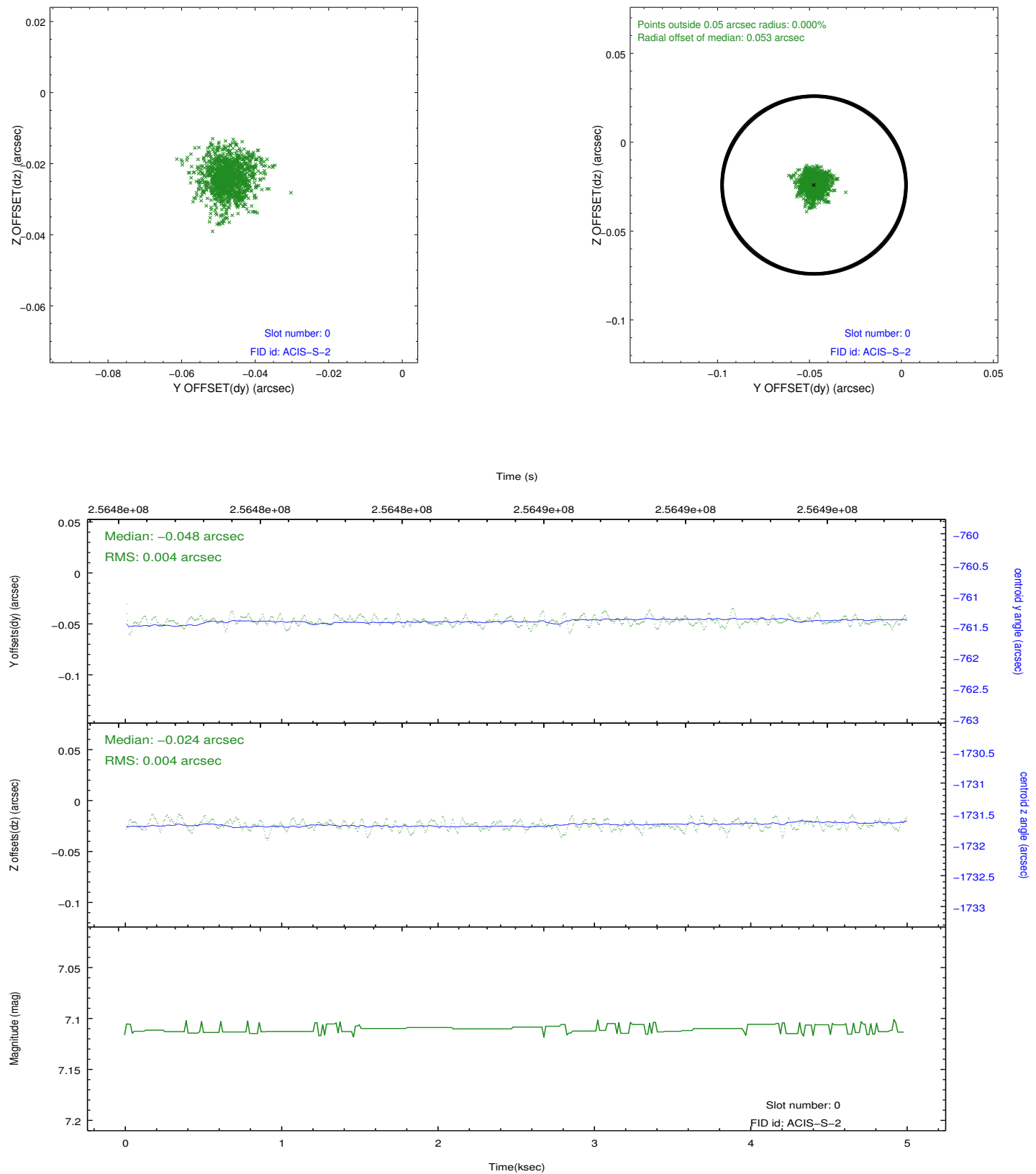


2.4.5 Slot 7

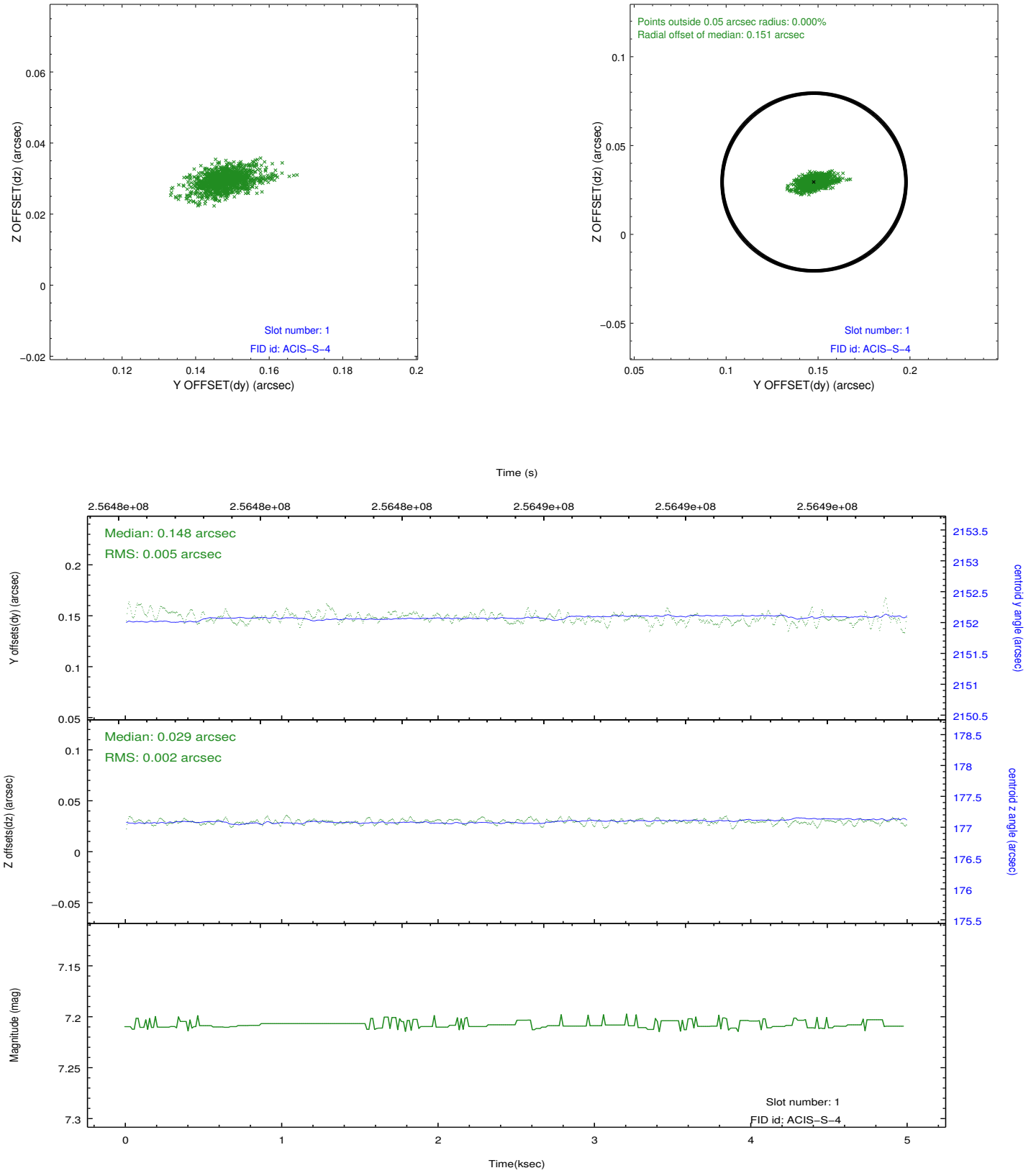


2.5 FID Slots

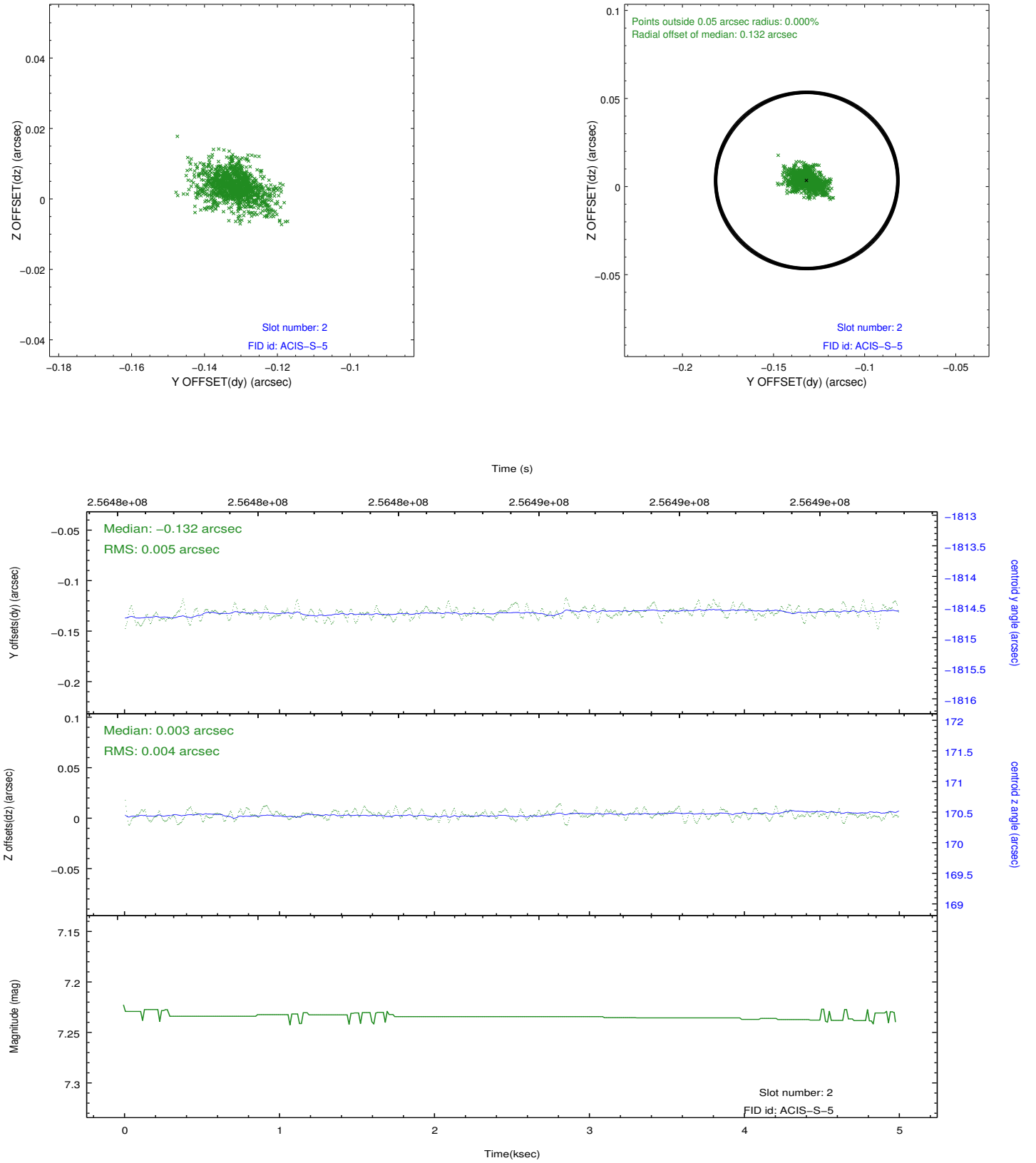
2.5.1 Slot 0



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)	2012.03.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.90399998

A.2 Comments