

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2084 - L2 Version 3
Chandra X-Ray Center

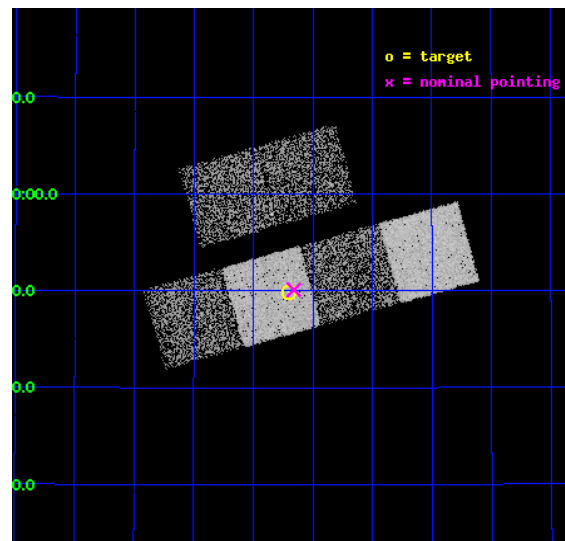
L2 Processing Date : Sep 14 2012

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1 Front

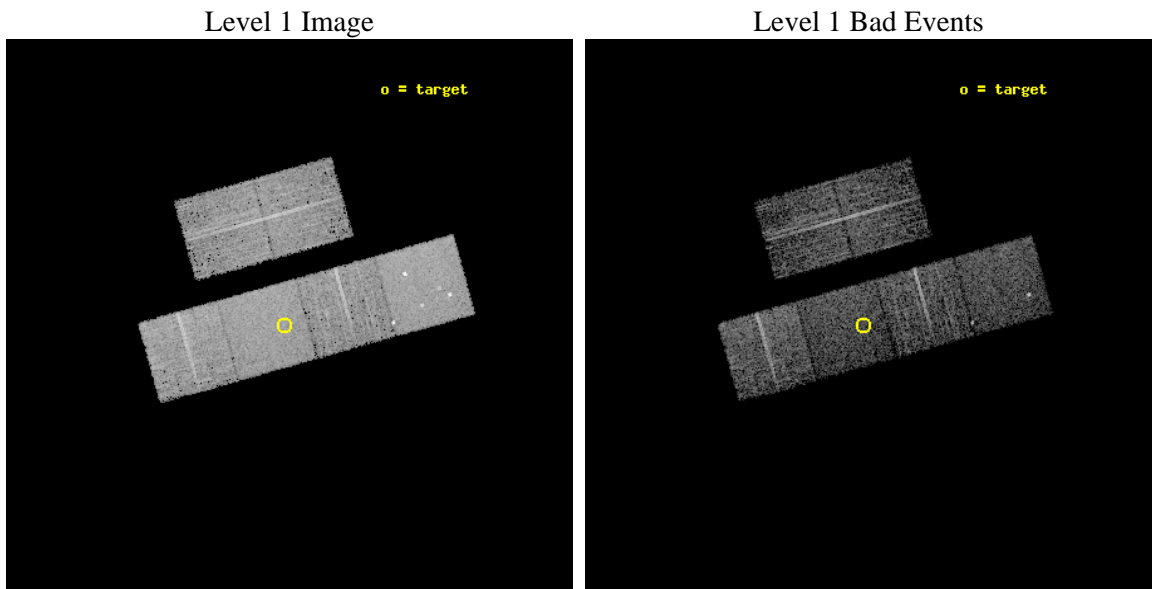
seq_num	700274	Sequence number
obs_id	2084	Observation id
title	AN X-RAY STUDY OF THE MOST DISTANT QUASARS FROM THE SLOAN DIGITAL SKY SURVEY	Proposal title
observer	Prof. William Brandt	Principal investigator
object	PC 1247+3406	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	192.425417	Observer's specified target RA [deg]
dec_targ	33.831111	Observer's specified target Dec [deg]
ra_nom	192.4149083984	Nominal RA [deg]
dec_nom	33.835411560547	Nominal Dec [deg]
roll_nom	164.40858787983	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4678.0656397492	Sum of GTIs [s]
livetime	4618.8291558257	Livetime [s]
ontime2	4678.1066797525	Sum of GTIs [s]
ontime3	4677.9425197542	Sum of GTIs [s]
ontime5	4678.0245997459	Sum of GTIs [s]
ontime6	4677.9835597575	Sum of GTIs [s]
ontime7	4678.0656397492	Sum of GTIs [s]
ontime8	4674.6603899002	Sum of GTIs [s]
l2events	46099	Number of level 2 events



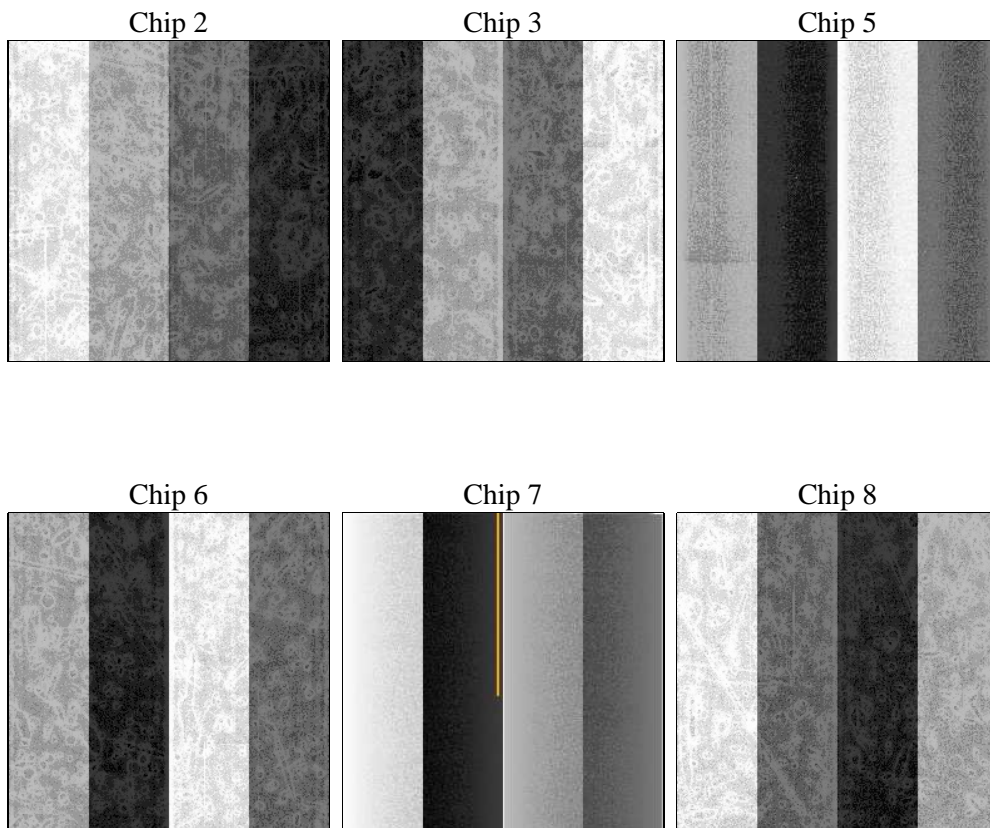
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4678.0656397492	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	4678.1066797525	Sum of GTIs [s]
date	2012-09-14T05:36:17	Date and time of file creation	ontime3	4677.9425197542	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4678.0245997459	Sum of GTIs [s]
			ontime6	4677.9835597575	Sum of GTIs [s]
			ontime7	4678.0656397492	Sum of GTIs [s]
			ontime8	4674.6603899002	Sum of GTIs [s]
			l1events	220260	Number of level 1 events

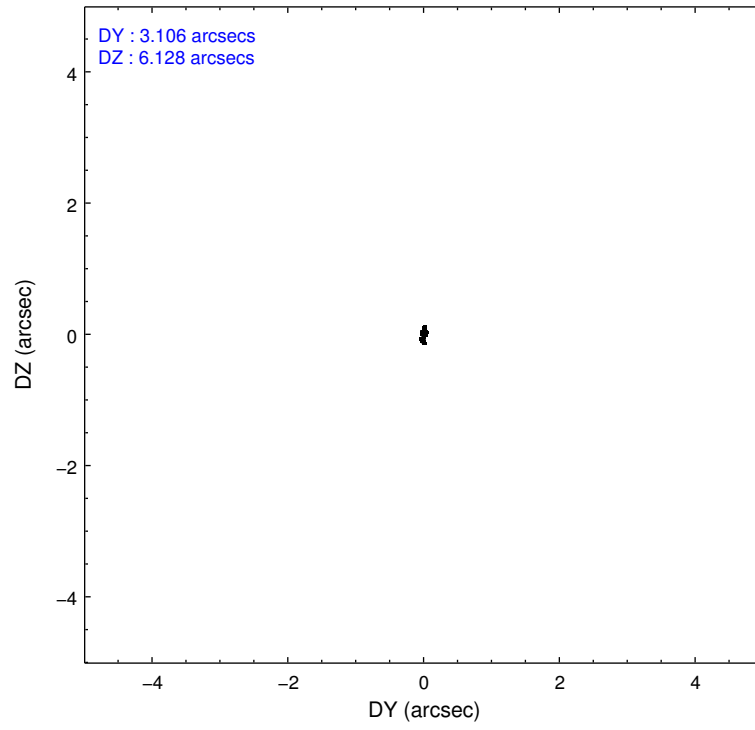
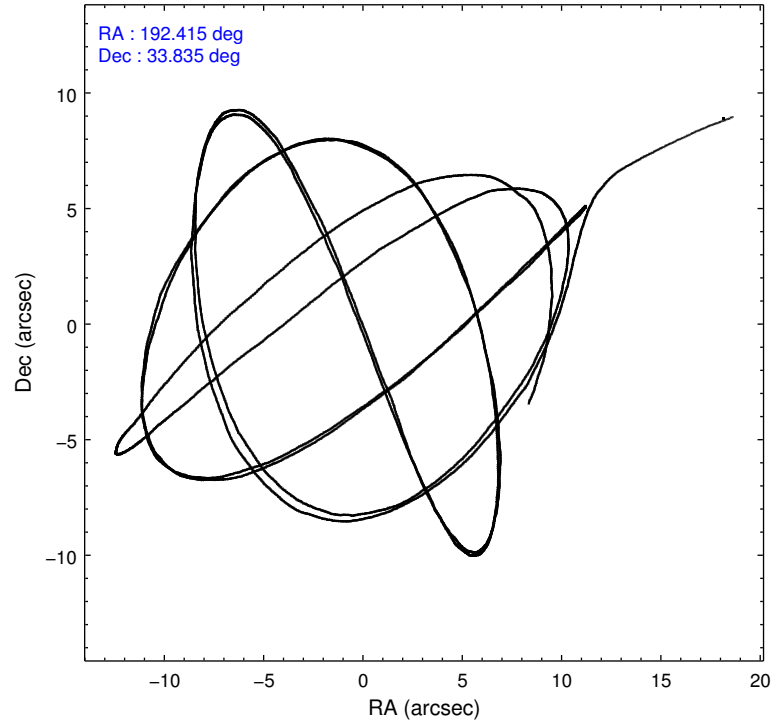
2.1.4 Events

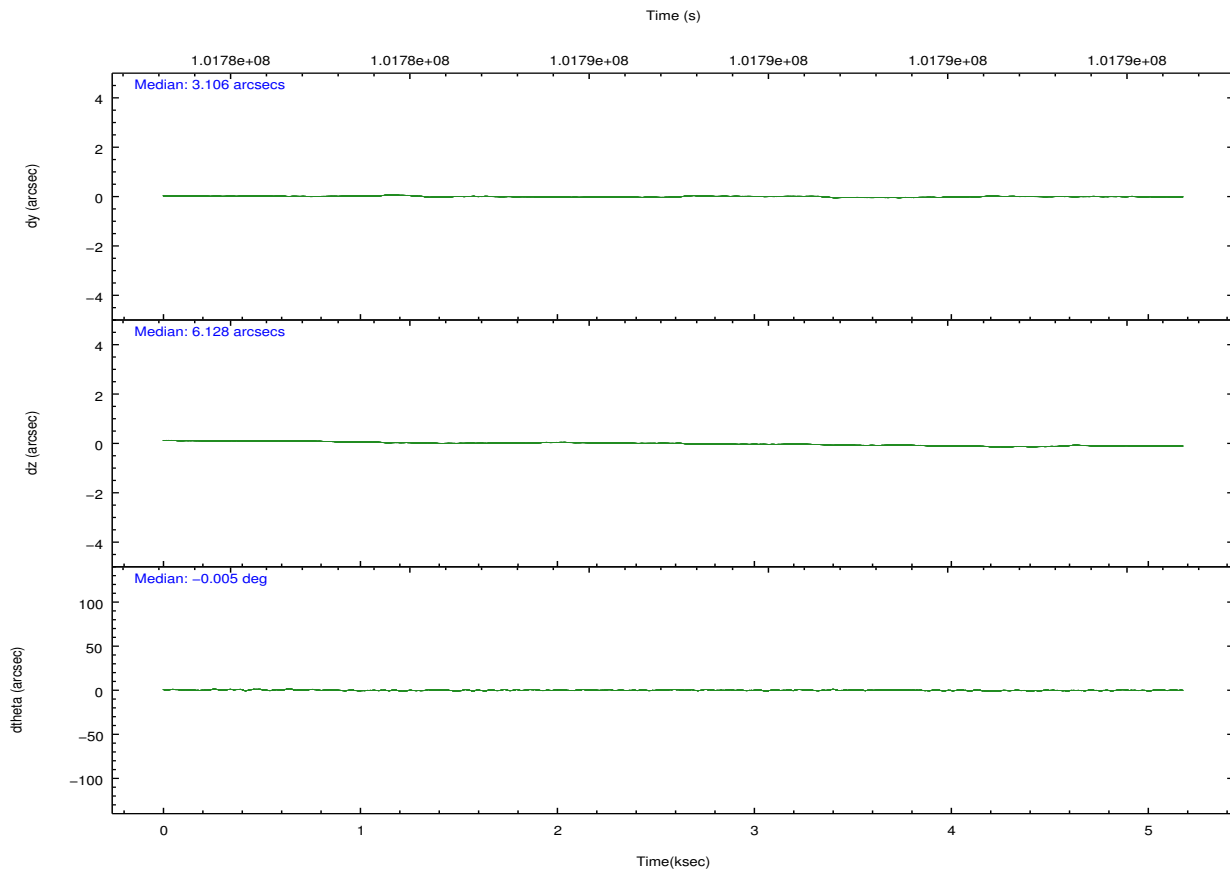
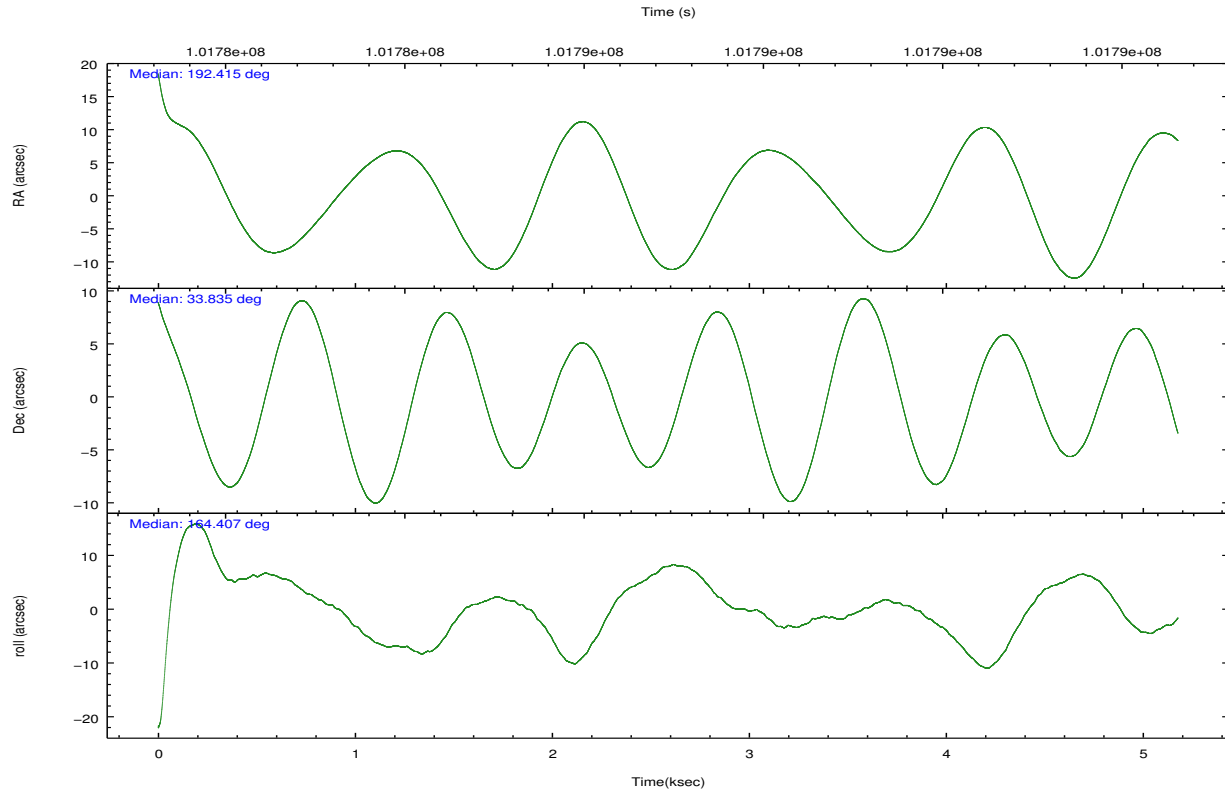
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	31127	31874	45950	31630	38992	40687	grade 0 events	1319	1453	3515	1482	1560	2226
rejected events	27878	28494	24134	28118	22853	33765		4%	4%	7%	4%	4%	5%
rejected %	89%	89%	52%	88%	58%	82%	grade 1 events	16	10	109	23	45	23
								0%	0%	0%	0%	0%	0%
							grade 2 events	707	696	6033	703	3147	1470
								2%	2%	13%	2%	8%	3%
							grade 3 events	322	324	966	341	1509	746
								1%	1%	2%	1%	3%	1%
							grade 4 events	308	328	882	341	1439	723
								0%	1%	1%	1%	3%	1%
							grade 5 events	1035	1145	3522	1299	3723	1531
								3%	3%	7%	4%	9%	3%
							grade 6 events	595	583	10446	653	8506	1759
								1%	1%	22%	2%	21%	4%
							grade 7 events	26825	27335	20477	26788	19063	32209
								86%	85%	44%	84%	48%	79%

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	192.446565	192.4149083984039	Subarray requested	NONE	NONE
[deg] Pointing Dec	33.842428	33.83541156054659	Alternating exposures requested	N	N
[deg] Pointing Roll	164.234408	164.4085878798294	[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)	101784056.184000	101782983.76188			
Observation start date	2001-03-24T01:19:52	2001-03-24T01:03:03			
[s] Observation end time (MET)	101789056.184000	101789505.32463			
Observation end date	2001-03-24T02:43:12	2001-03-24T02:51:45			
Read mode	TIMED	TIMED			

2.3 Aspect



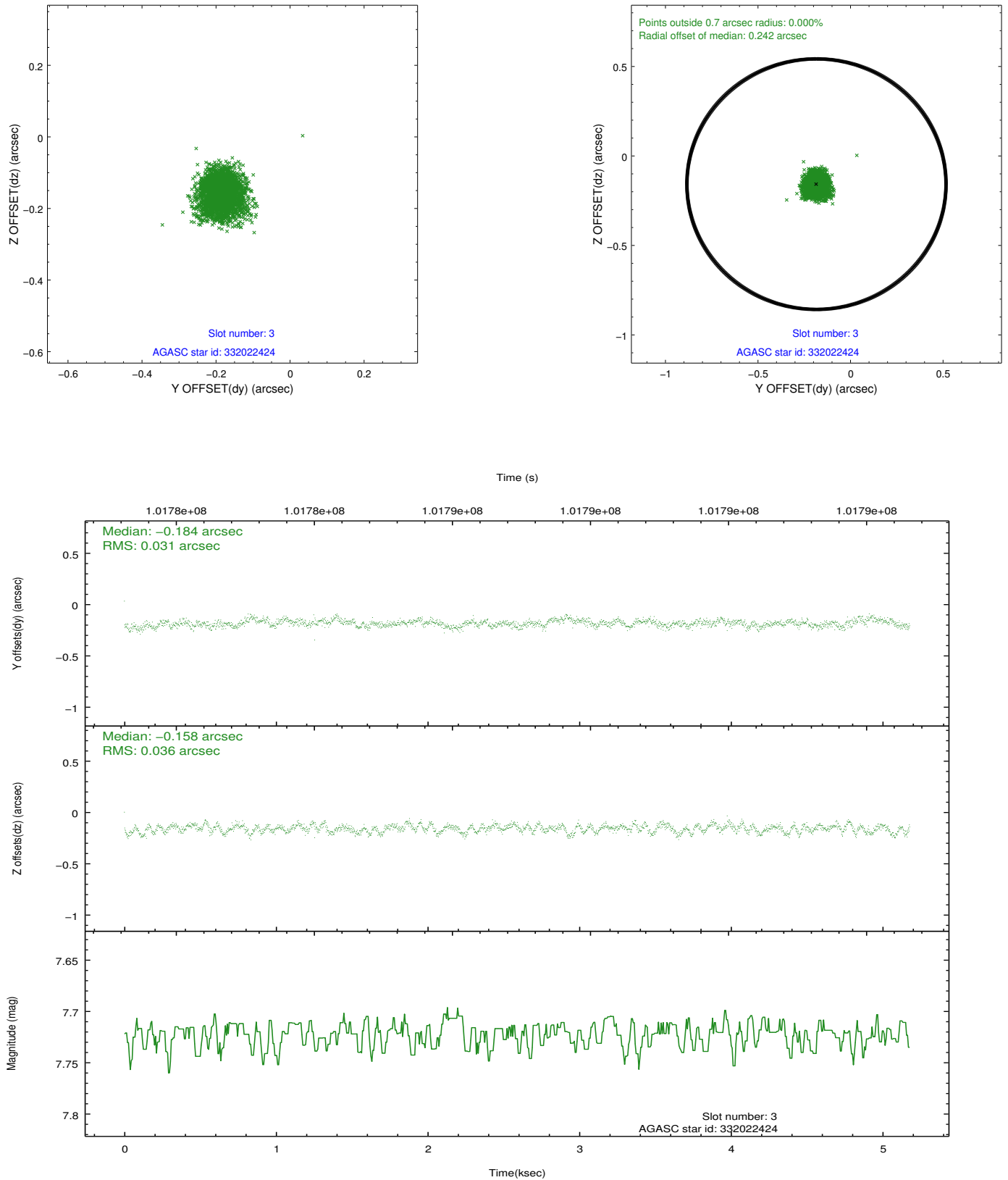


Slot Statistics

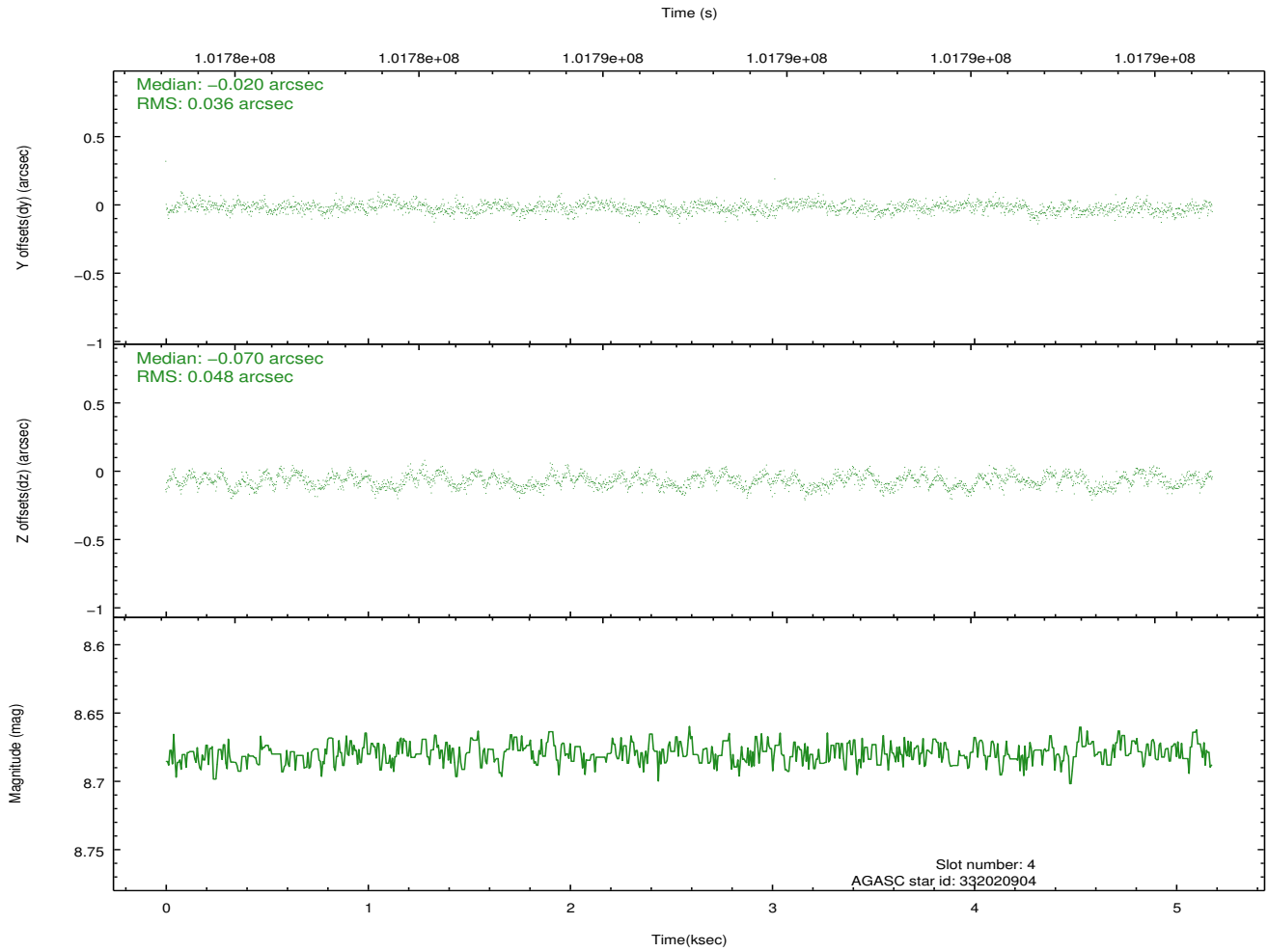
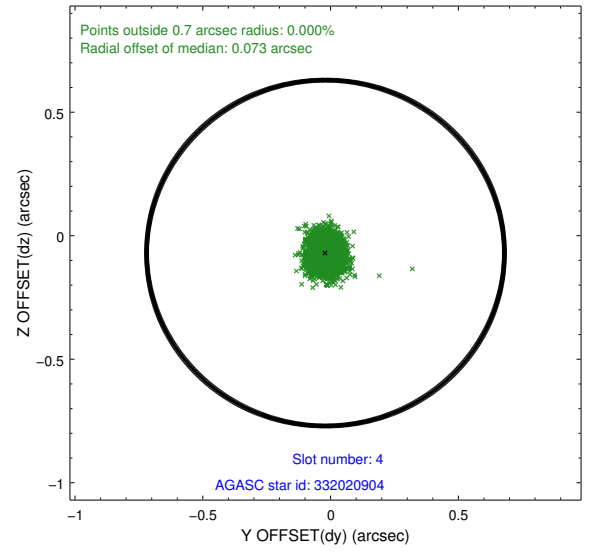
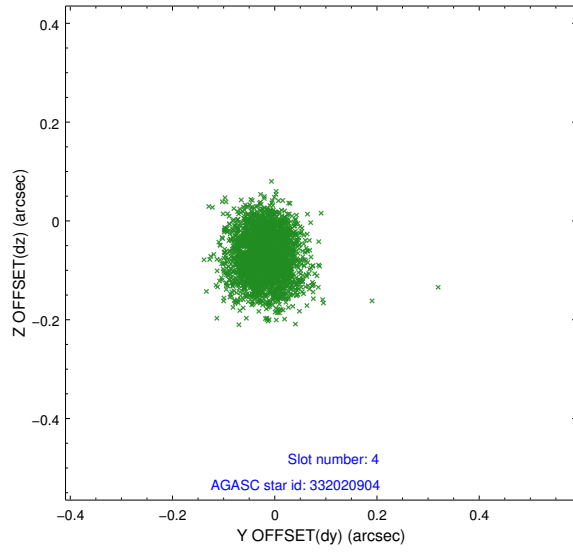
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	1263	-0.022	0.012	0.007	0.011	0.000000	0.000000	-755.74	-1727.26
1	FID	ACIS-S-4	7.20	1262	-0.038	0.007	0.006	0.010	0.000000	0.000000	2156.96	180.07
2	FID	ACIS-S-5	7.24	1262	0.028	-0.011	0.007	0.012	0.000000	0.000000	-1807.06	174.98
3	GUIDE	332022424	7.72	2526	-0.184	-0.158	0.051	0.081	192.257725	33.780494	483.49	367.56
4	GUIDE	332020904	8.68	2524	-0.020	-0.070	0.064	0.099	193.127513	33.836028	-1963.57	-537.49
5	GUIDE	332020592	9.01	2525	-0.055	-0.052	0.065	0.108	192.438730	34.242562	413.31	-1380.15
6	GUIDE	331760648	9.16	2526	0.275	0.139	0.065	0.107	193.202433	33.737568	-2277.31	-259.94
7	GUIDE	332017776	9.40	2523	-0.015	0.143	0.088	0.143	192.010778	34.335300	1729.01	-1358.13

2.4 Star Slots

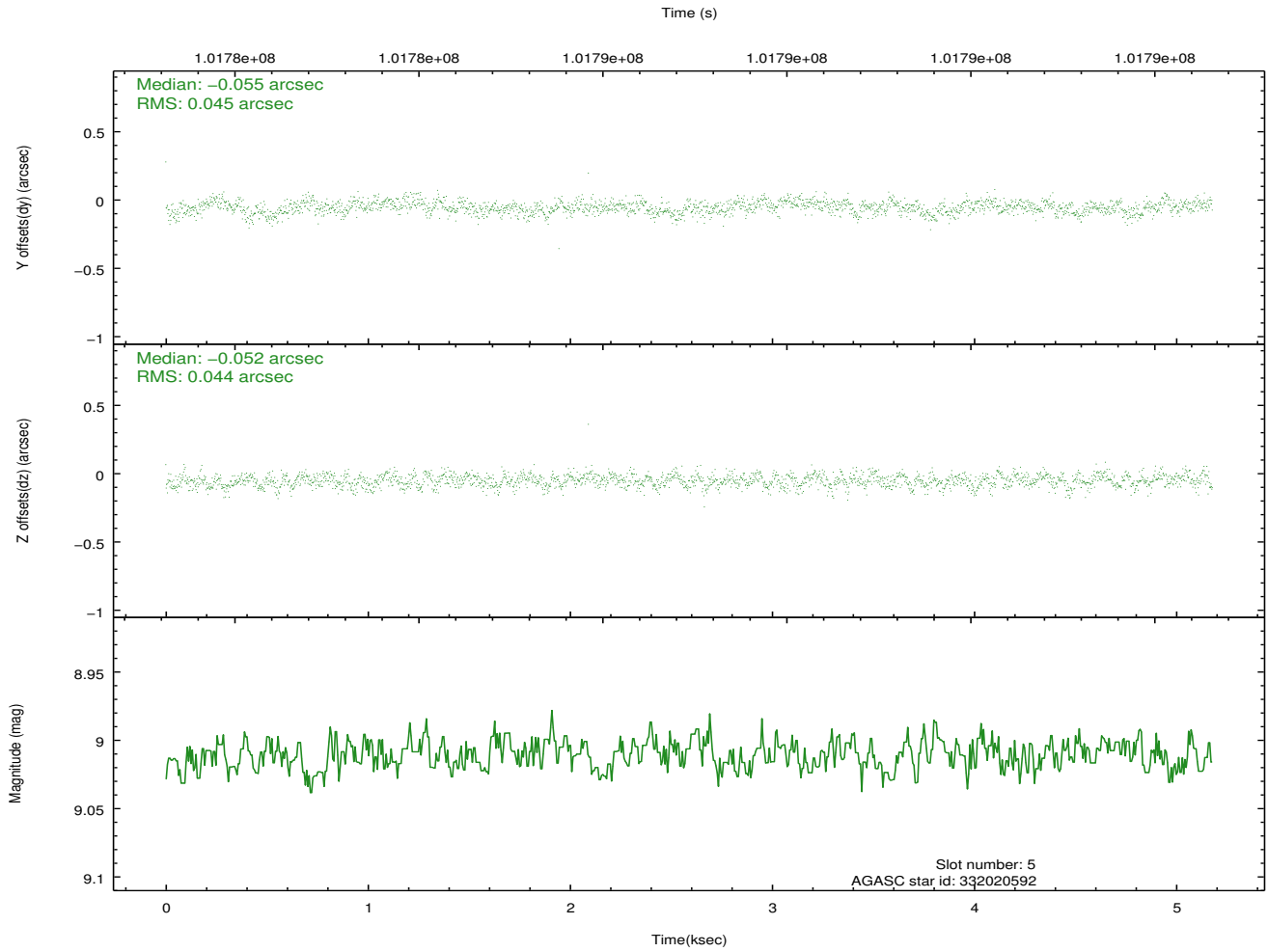
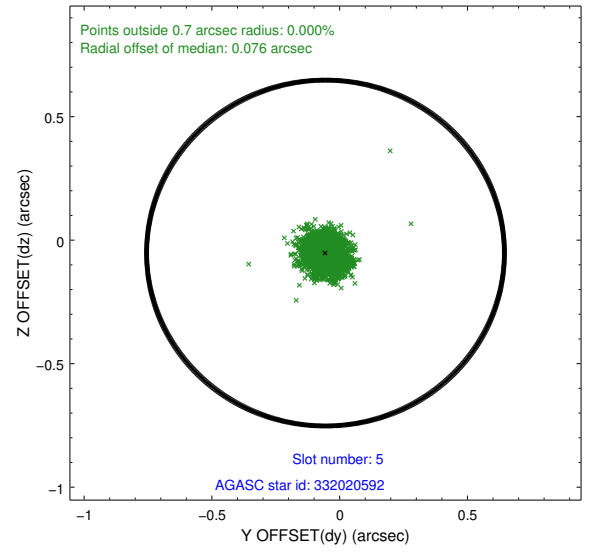
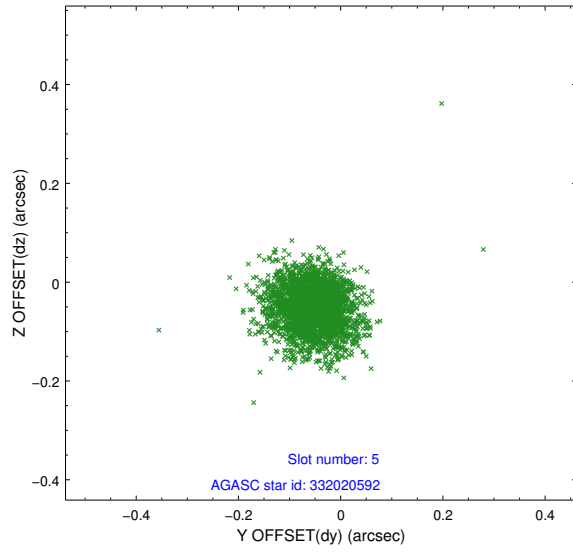
2.4.1 Slot 3



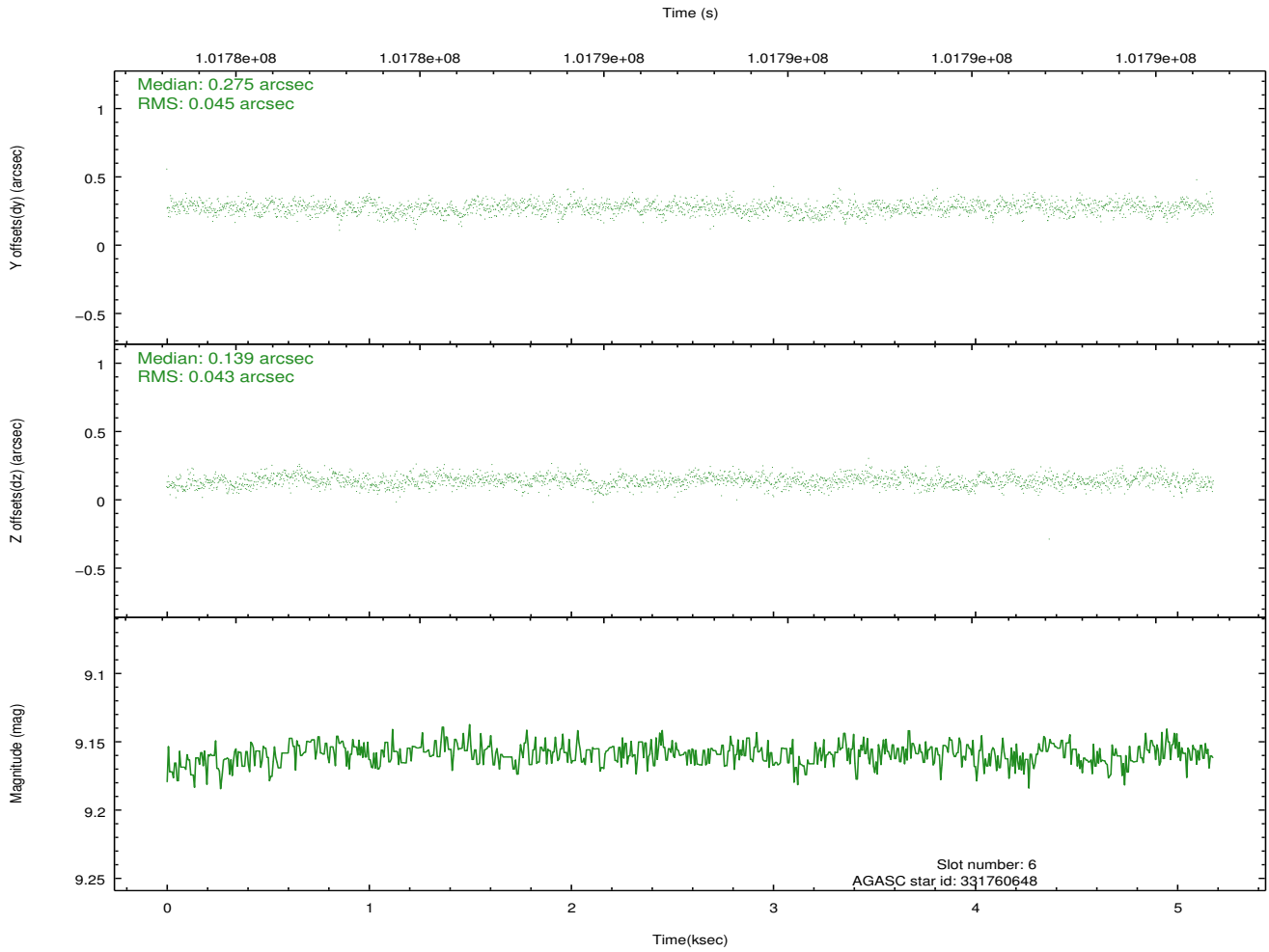
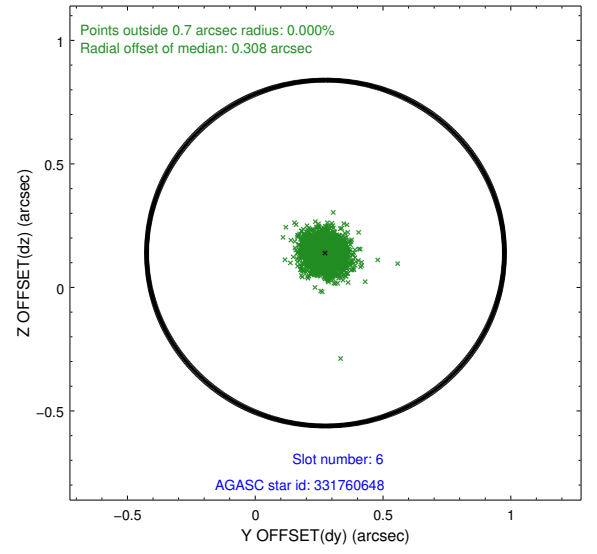
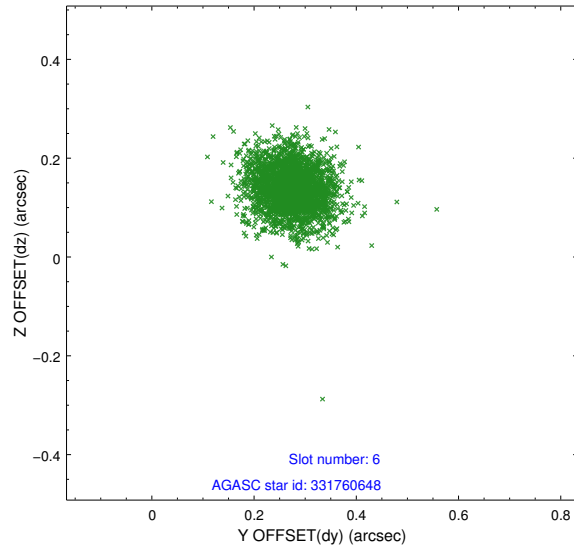
2.4.2 Slot 4



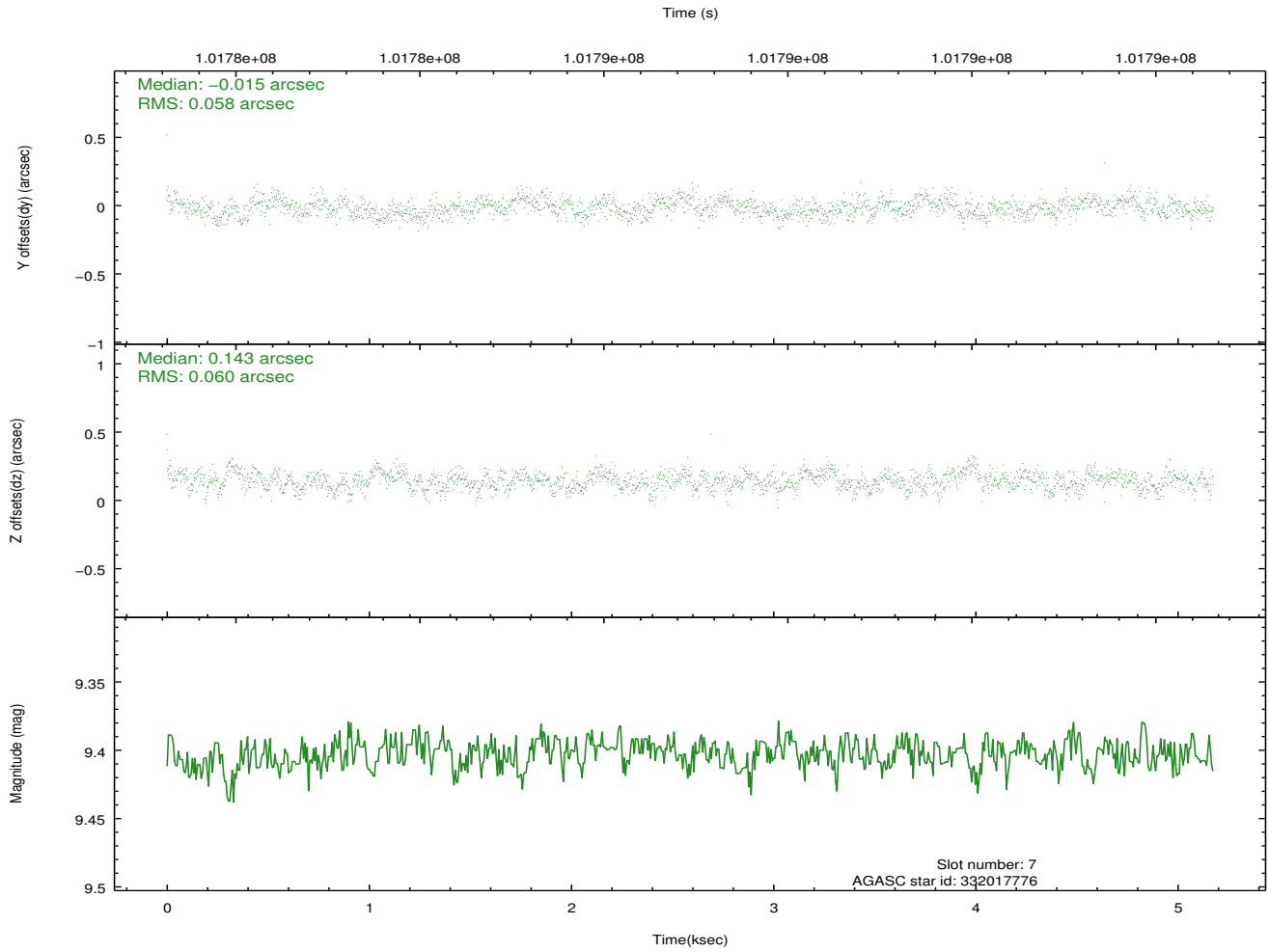
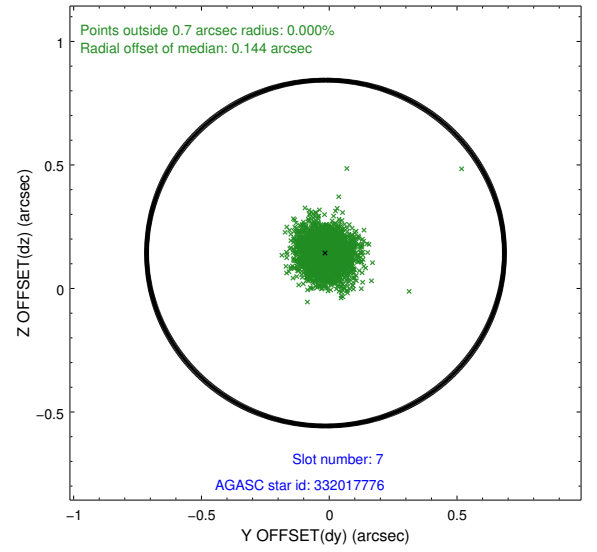
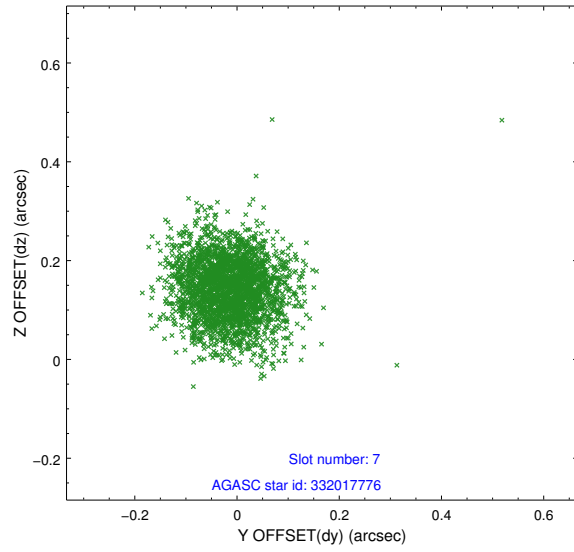
2.4.3 Slot 5



2.4.4 Slot 6

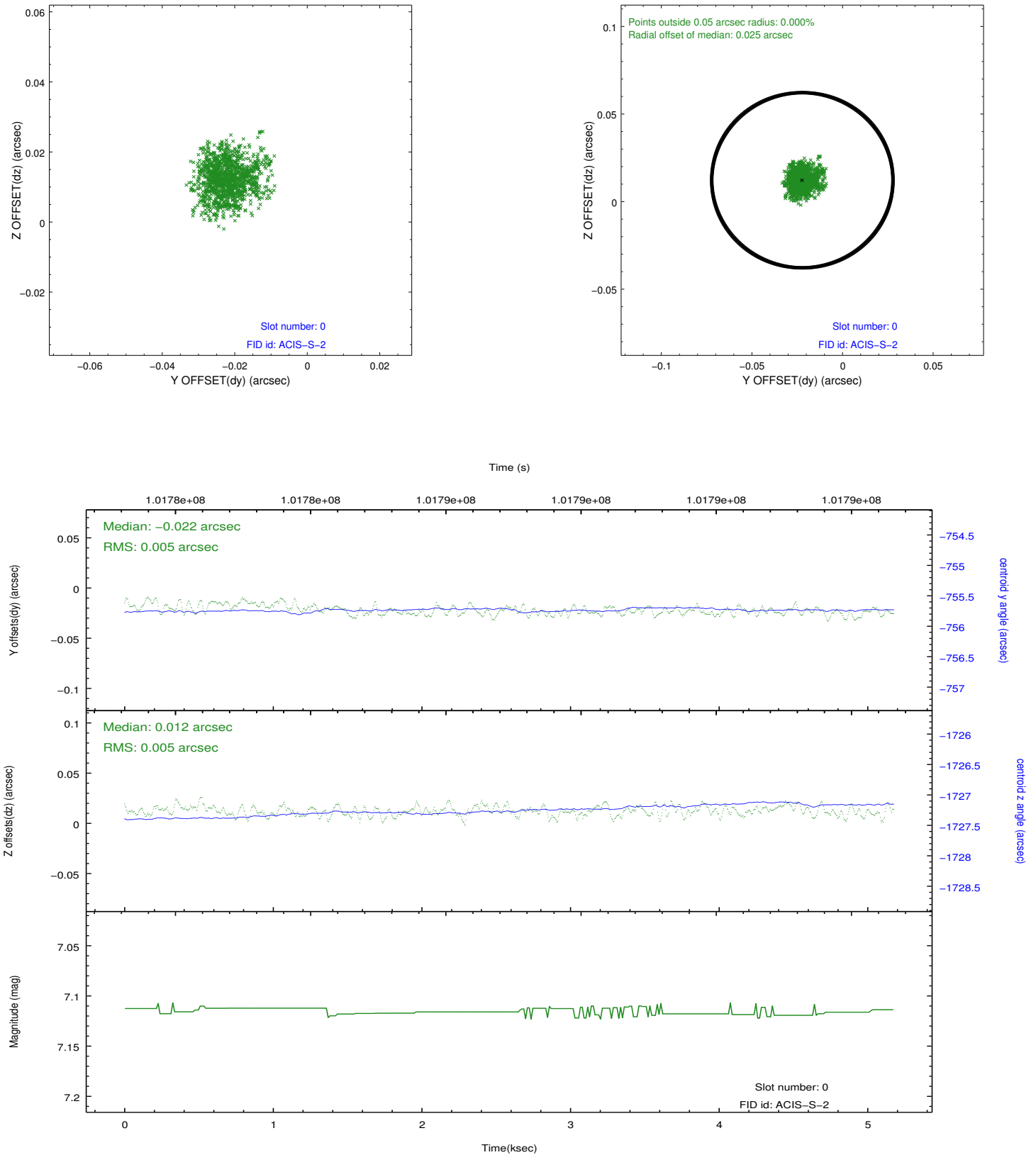


2.4.5 Slot 7

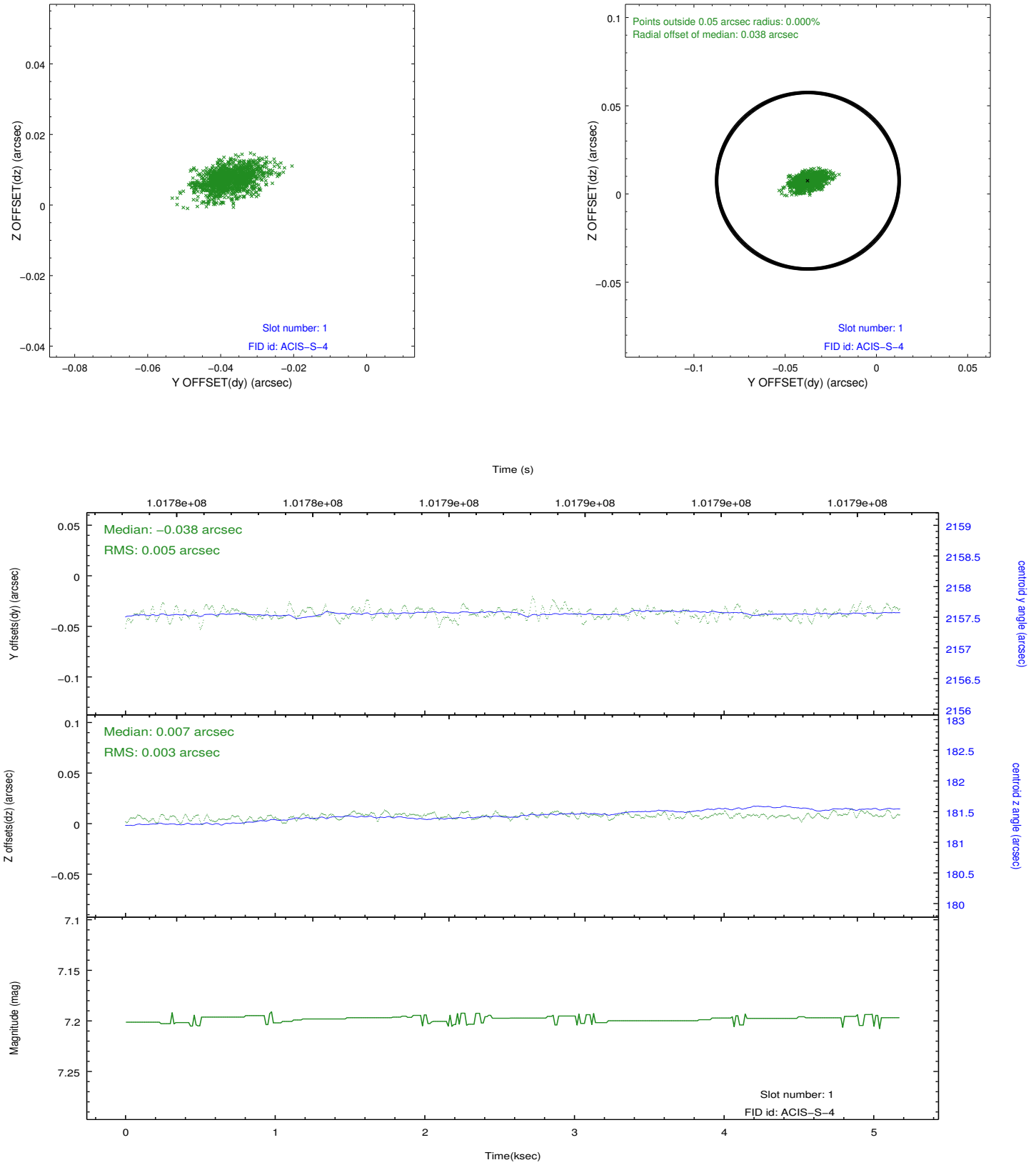


2.5 FID Slots

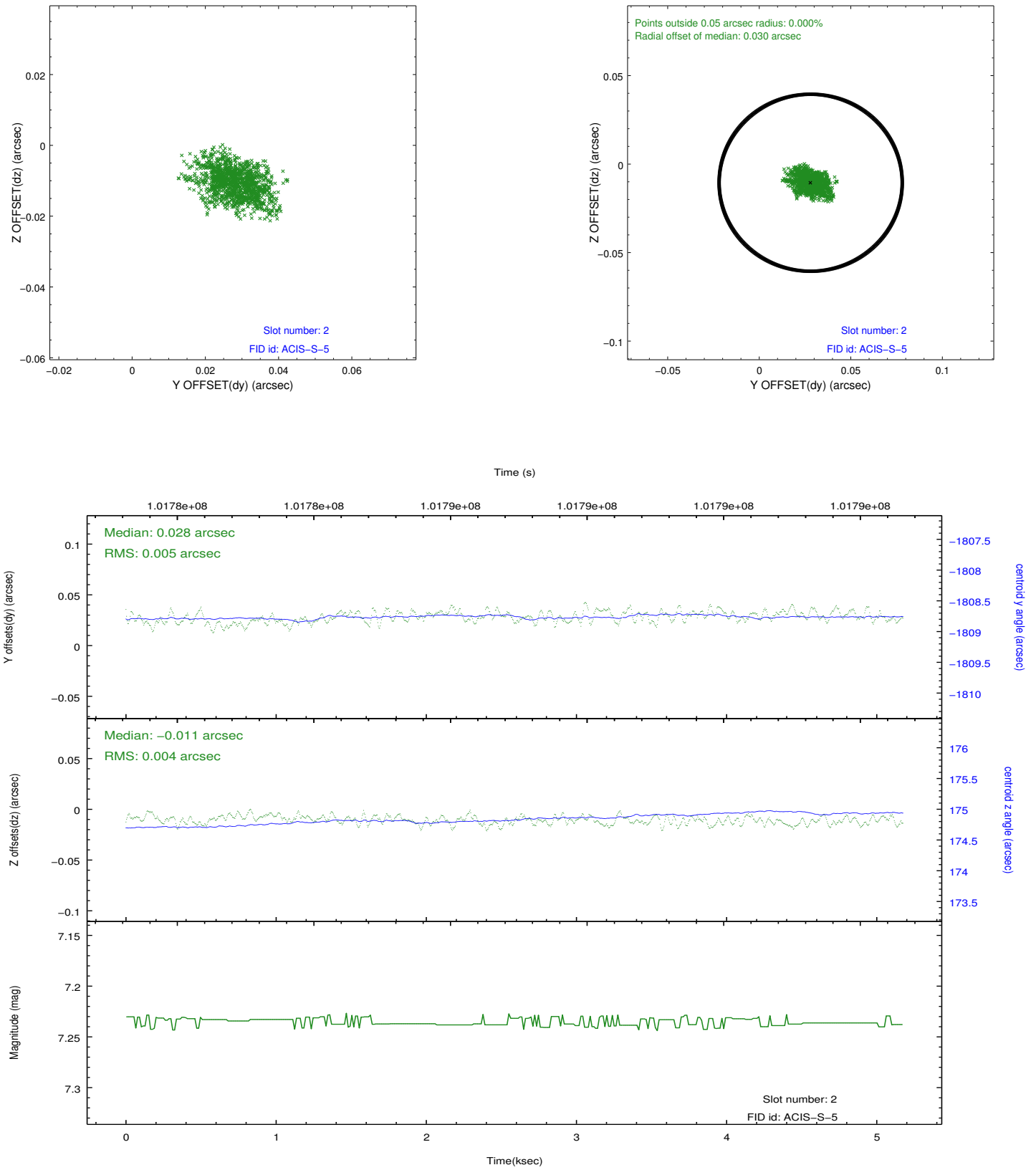
2.5.1 Slot 0



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)	2012.09.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.678

A.2 Comments