

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7107 - L2 Version 2
Chandra X-Ray Center

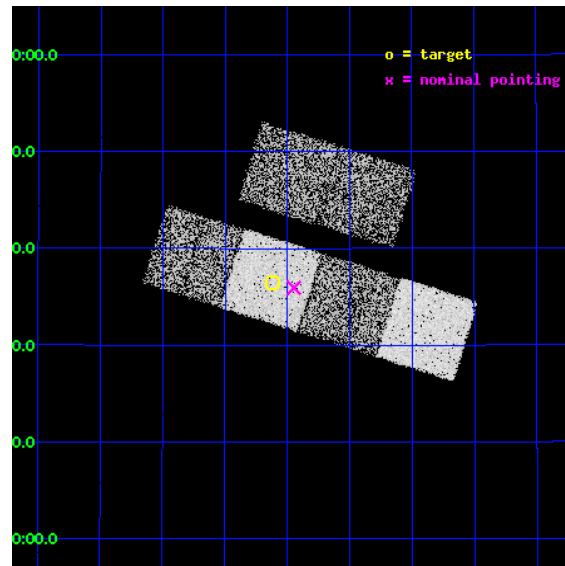
L2 Processing Date : Mar 29 2012

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1 Front

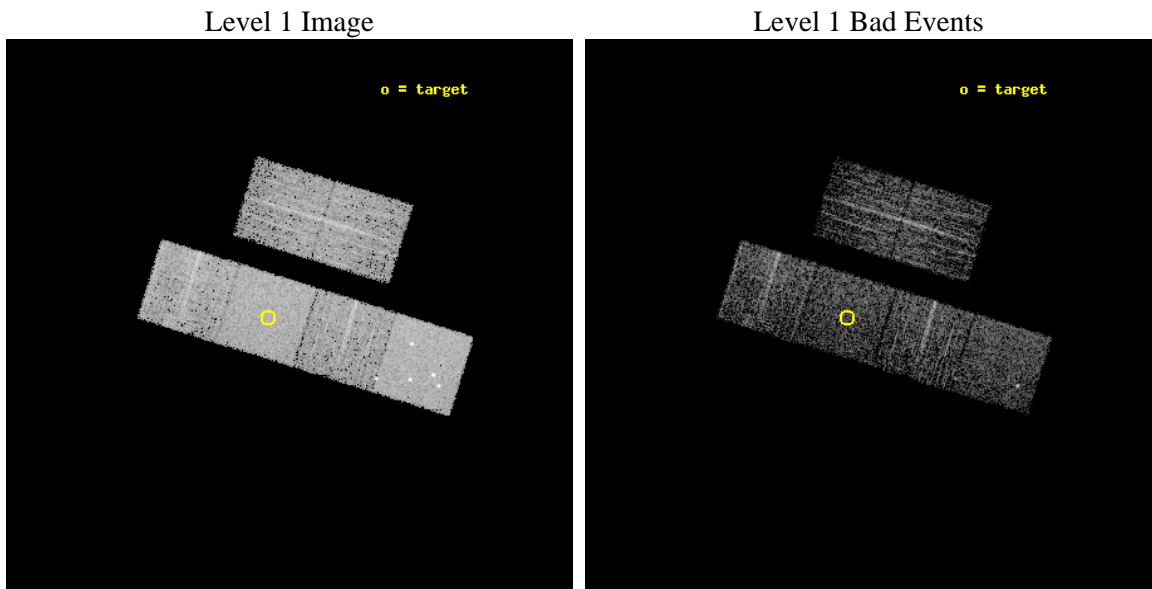
seq_num	600545	Sequence number
obs_id	7107	Observation id
title	A Complete Sample of ULX Host Galaxies	Proposal title
observer	Douglas Swartz	Principal investigator
object	NGC 4245	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	184.403333	Observer's specified target RA [deg]
dec_targ	29.608111	Observer's specified target Dec [deg]
ra_nom	184.36187319302	Nominal RA [deg]
dec_nom	29.598860521958	Nominal Dec [deg]
roll_nom	197.21831204541	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2213.0245207846	Sum of GTIs [s]
livetime	2185.0018717791	Livetime [s]
ontime2	2213.0655607879	Sum of GTIs [s]
ontime3	2212.9014007747	Sum of GTIs [s]
ontime5	2212.9834807813	Sum of GTIs [s]
ontime6	2212.942440778	Sum of GTIs [s]
ontime7	2213.0245207846	Sum of GTIs [s]
ontime8	2212.8603608012	Sum of GTIs [s]
l2events	43398	Number of level 2 events



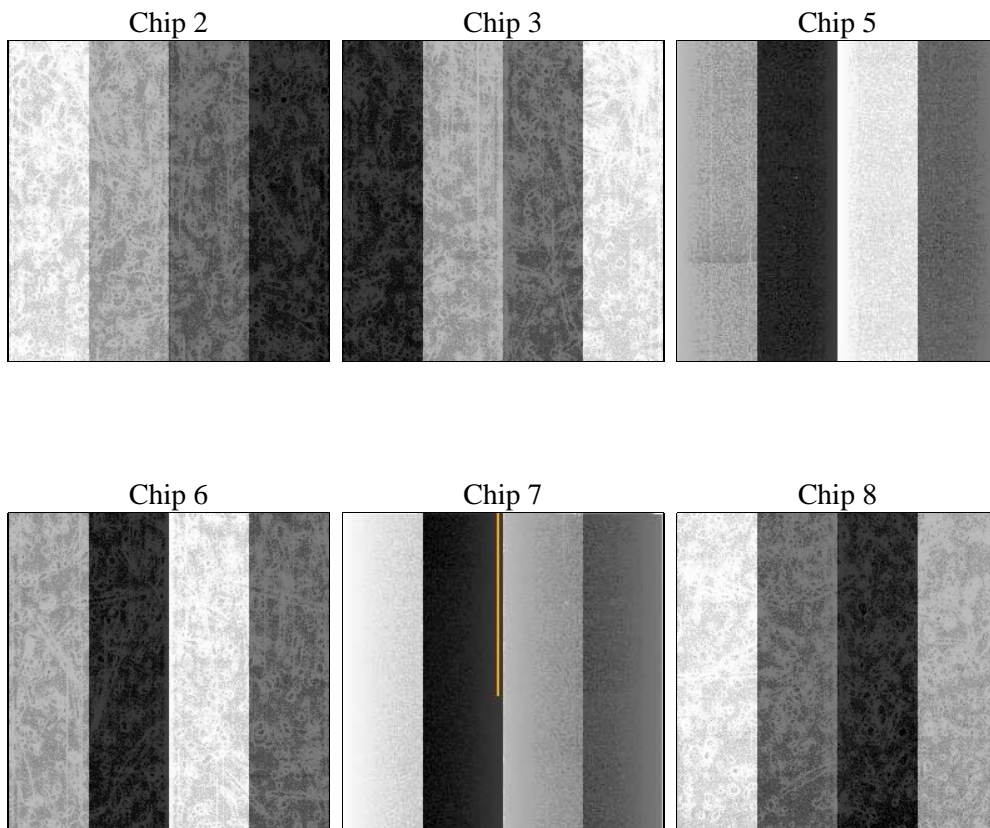
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2260.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	2213.0245207846	Sum of GTIs [s]
caldbver	4.4.8	 	ontime2	2213.0655607879	Sum of GTIs [s]
date	2012-03-29T12:24:50	Date and time of file creation	ontime3	2212.9014007747	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	2212.9834807813	Sum of GTIs [s]
			ontime6	2212.942440778	Sum of GTIs [s]
			ontime7	2213.0245207846	Sum of GTIs [s]
			ontime8	2212.8603608012	Sum of GTIs [s]
			l1events	154101	Number of level 1 events

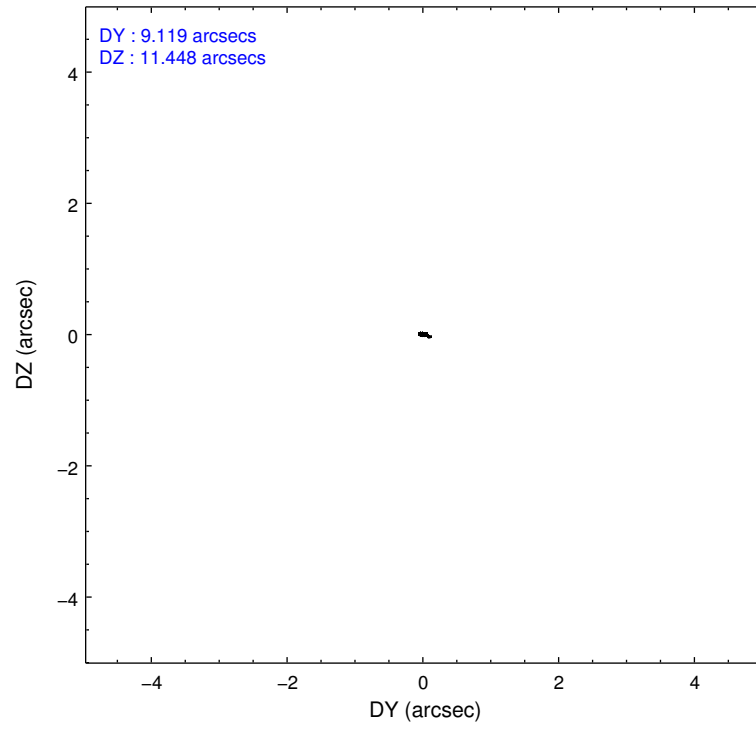
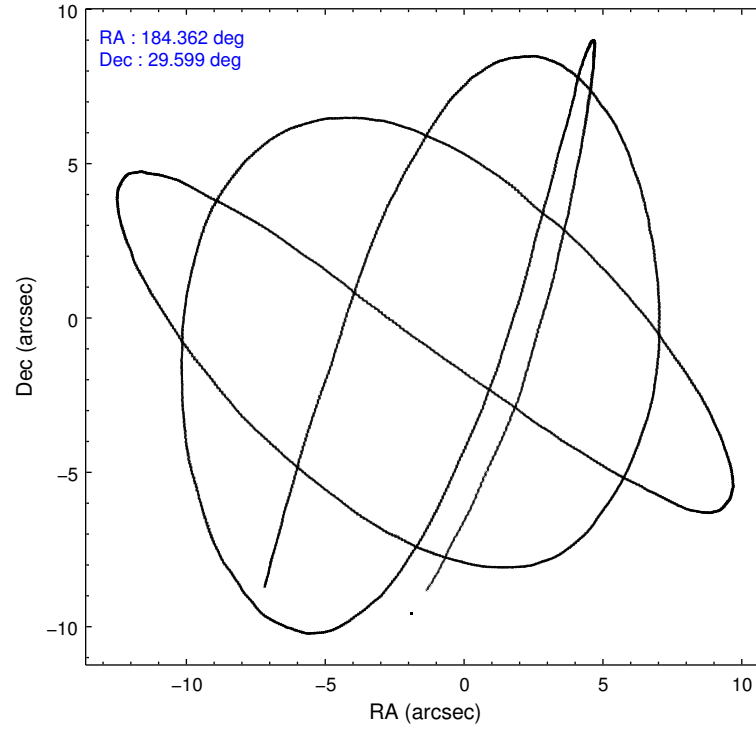
2.1.4 Events

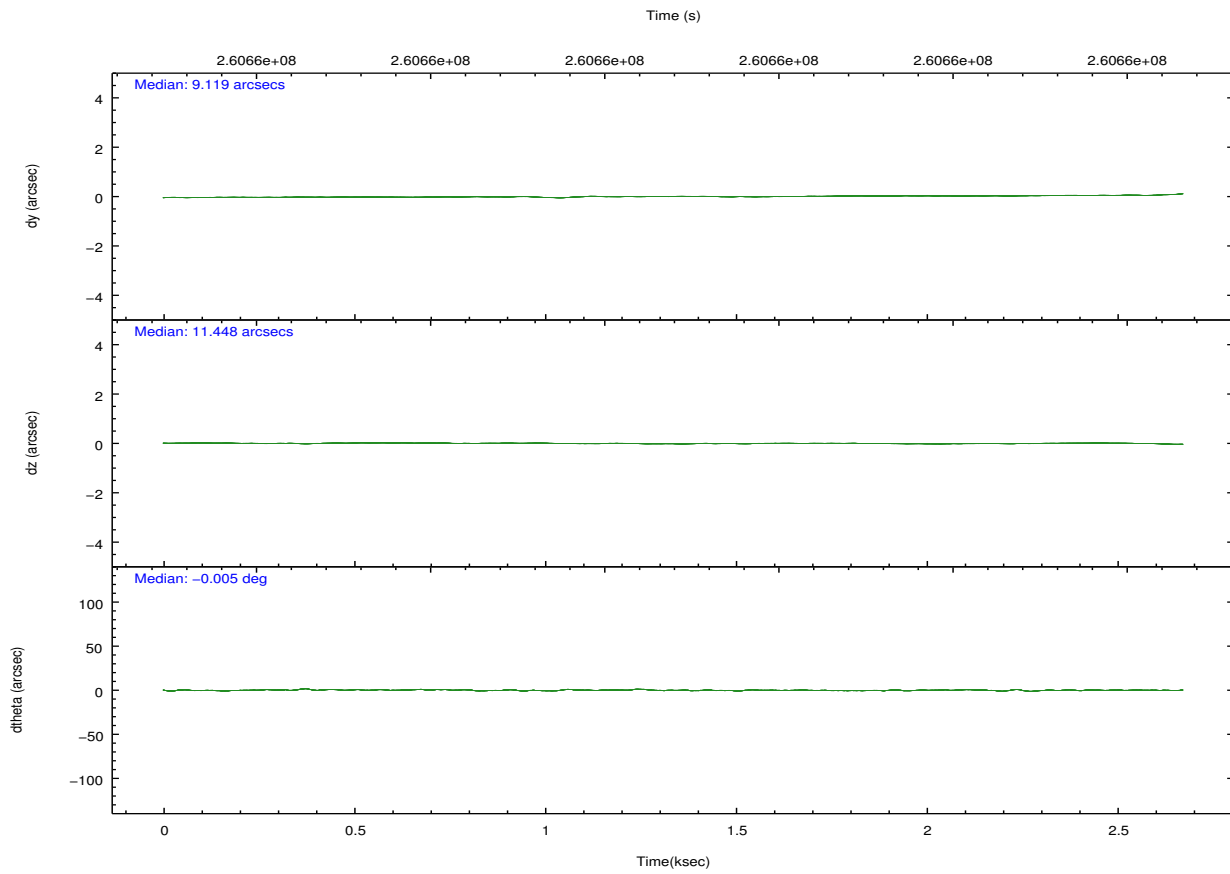
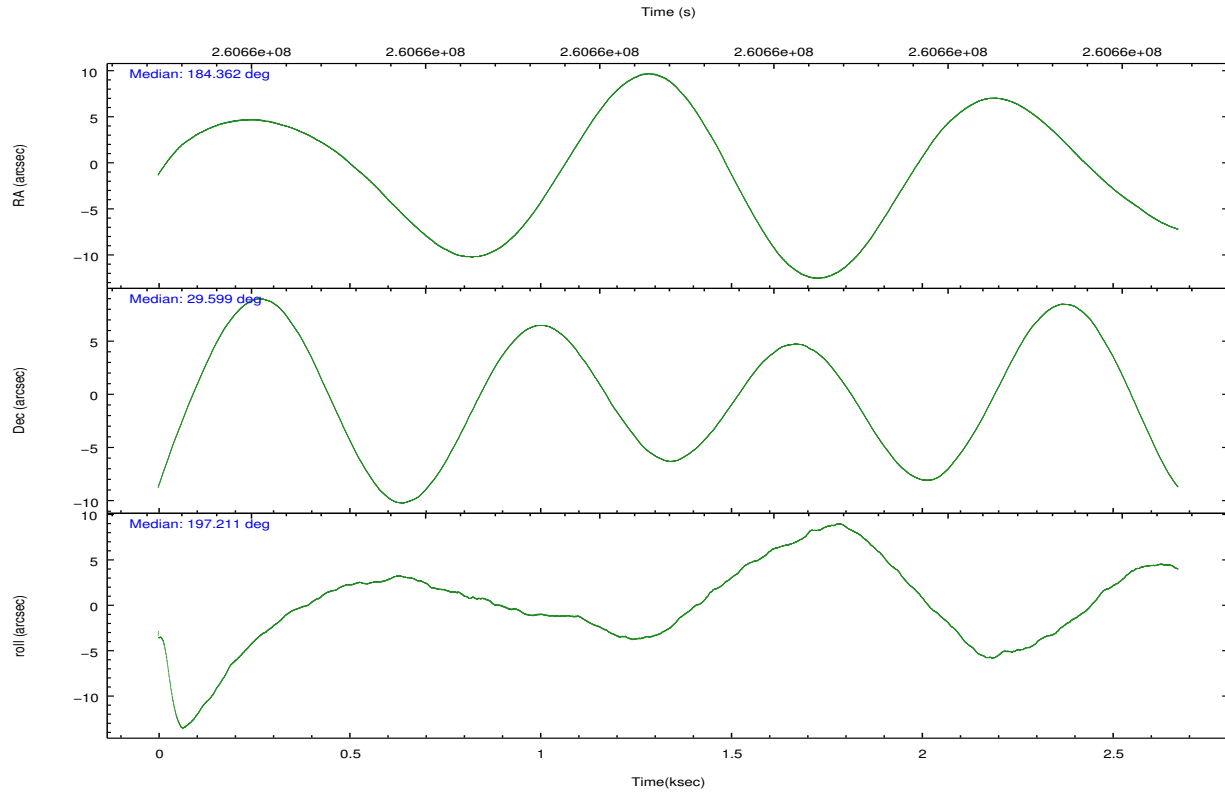
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	21517	19604	34042	22078	29747	27113	grade 0 events	2214	2125	2659	2220	1265	3047
rejected events	17756	15851	16397	18032	15728	19887		10%	10%	7%	10%	4%	11%
rejected %	82%	80%	48%	81%	52%	73%	grade 1 events	14	15	94	19	31	26
								0%	0%	0%	0%	0%	0%
							grade 2 events	615	600	5101	681	2638	1402
								2%	3%	14%	3%	8%	5%
							grade 3 events	252	267	671	284	1192	661
								1%	1%	1%	1%	4%	2%
							grade 4 events	263	277	673	298	1135	584
								1%	1%	1%	1%	3%	2%
							grade 5 events	750	858	2176	918	2537	1177
								3%	4%	6%	4%	8%	4%
							grade 6 events	418	487	8569	566	7807	1535
								1%	2%	25%	2%	26%	5%
							grade 7 events	16991	14975	14099	17092	13142	18681
								78%	76%	41%	77%	44%	68%

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	184.382652	184.3618731930228	Subarray requested	NONE	NONE
[deg] Pointing Dec	29.618990	29.5988605219579	Alternating exposures requested	N	N
[deg] Pointing Roll	197.051355	197.218312045406	[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)	260661770.184000	260660641.23428			
Observation start date	2006-04-05T22:01:45	2006-04-05T21:44:01			
[s] Observation end time (MET)	260664030.184000	260664163.64695			
Observation end date	2006-04-05T22:39:25	2006-04-05T22:42:43			
Read mode	TIMED	TIMED			

2.3 Aspect



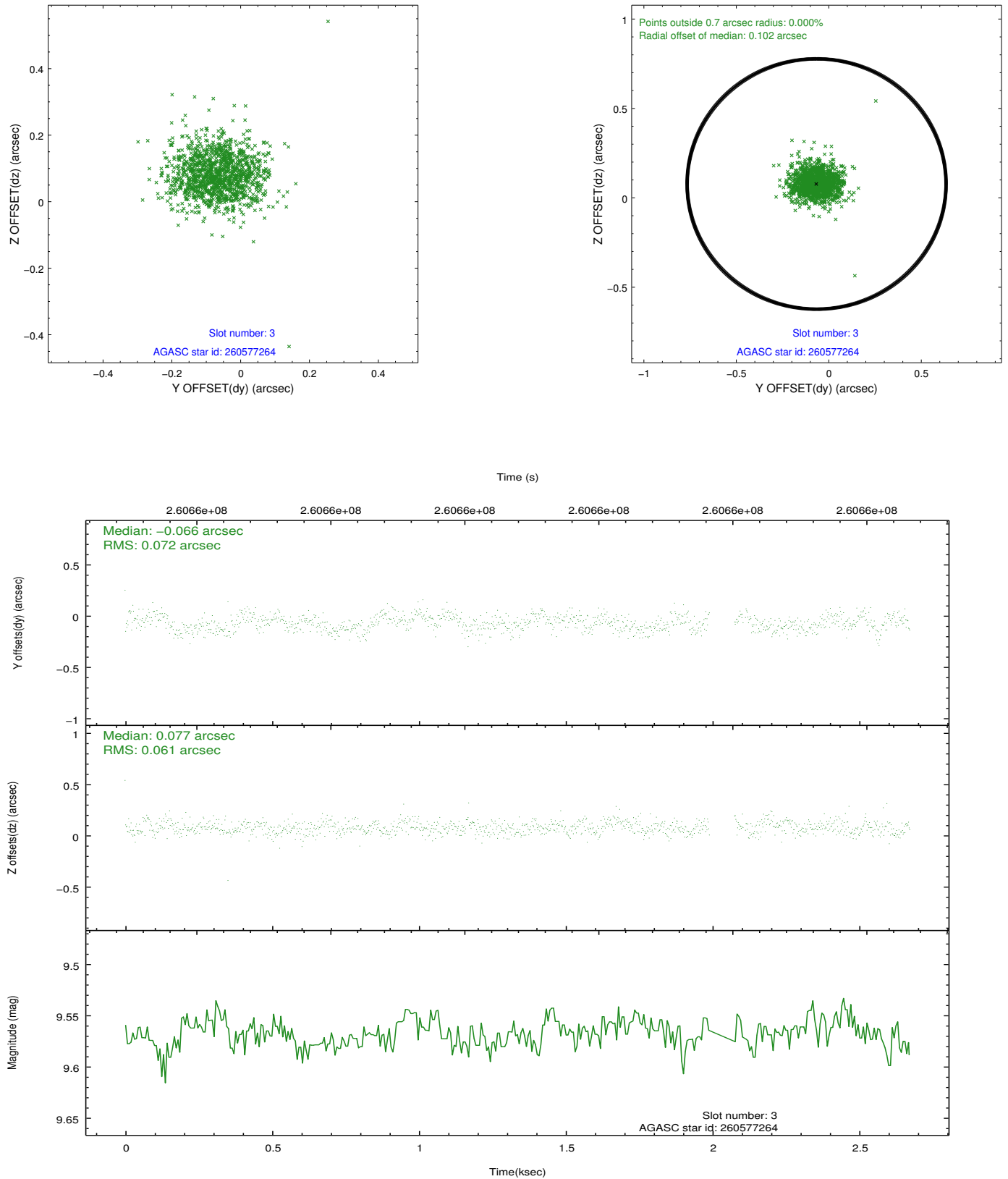


Slot Statistics

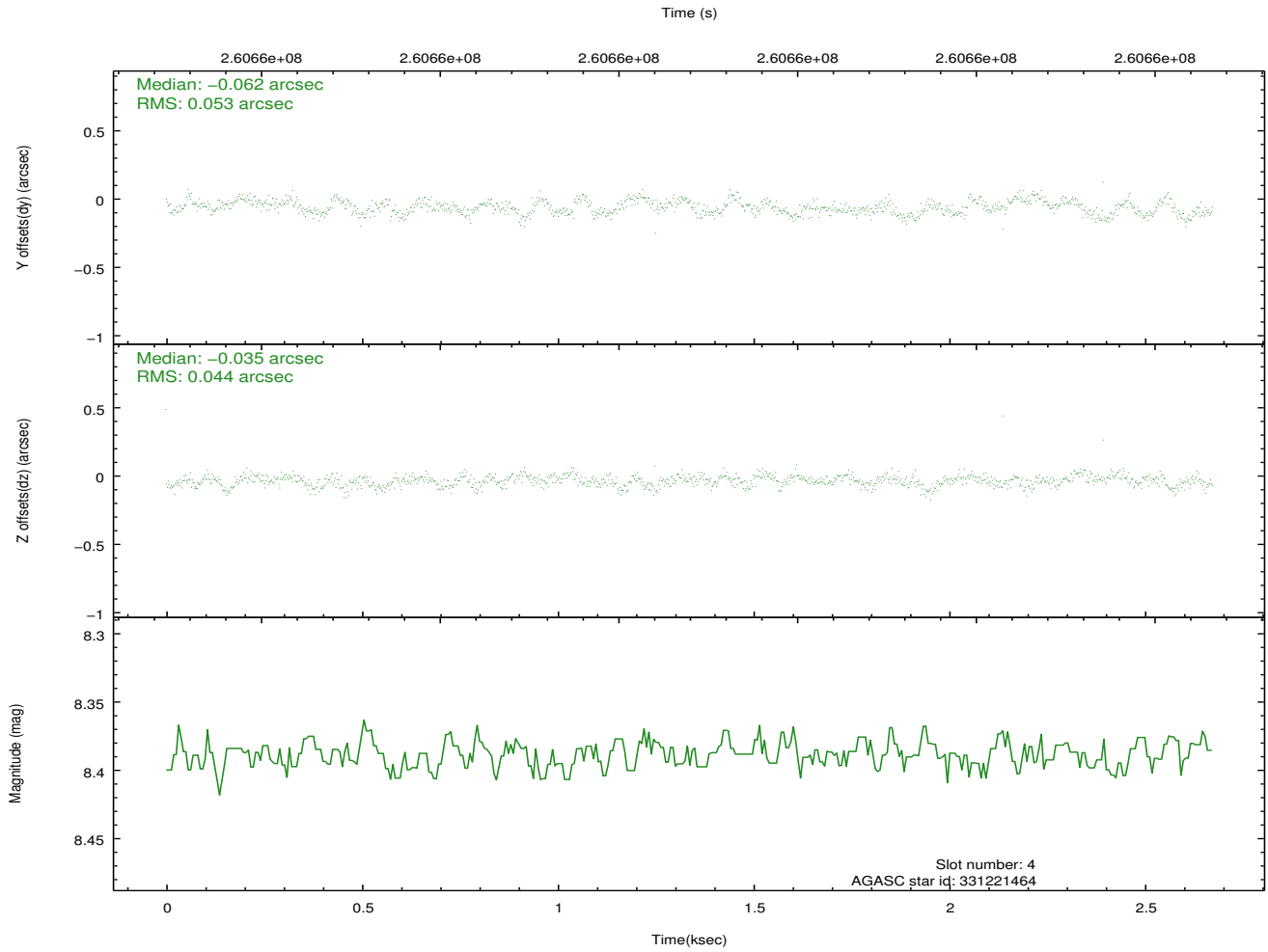
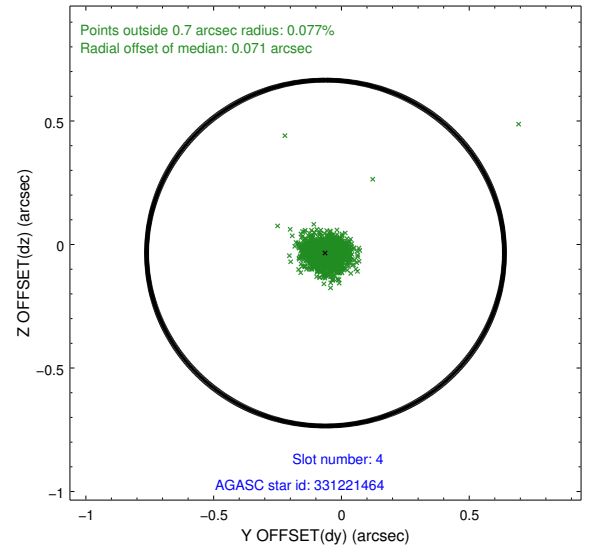
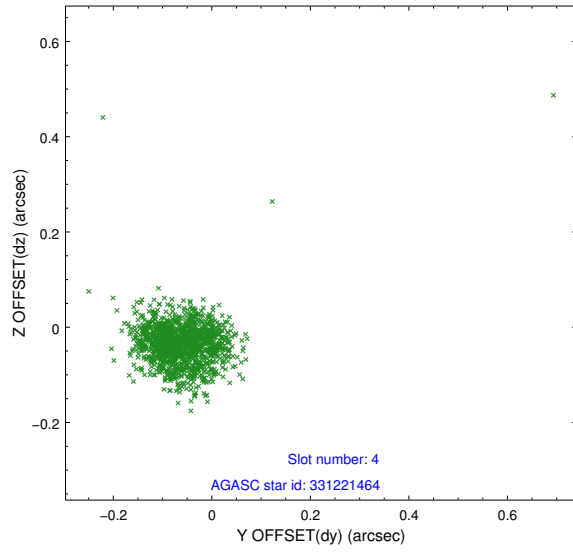
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	652	-0.029	-0.018	0.006	0.011	0.000000	0.000000	-761.94	-1732.76
1	FID	ACIS-S-4	7.21	651	0.144	0.019	0.006	0.010	0.000000	0.000000	2150.39	173.29
2	FID	ACIS-S-5	7.23	653	-0.146	0.008	0.006	0.011	0.000000	0.000000	-1811.83	169.66
3	GUIDE	260577264	9.57	1261	-0.066	0.077	0.096	0.162	183.832255	29.107902	2194.24	1248.67
4	GUIDE	331221464	8.39	1304	-0.062	-0.035	0.068	0.104	183.756088	30.141497	1314.84	-2373.96
5	GUIDE	331350544	8.70	1304	0.185	-0.085	0.070	0.110	184.879941	30.167953	-2057.82	-1440.48
6	GUIDE	331368240	6.50	1305	-0.204	-0.050	0.047	0.072	184.631757	30.249046	-1406.75	-1942.17
7	GUIDE	260575136	9.51	1303	0.143	0.094	0.099	0.161	184.065390	28.836709	1781.73	2397.53

2.4 Star Slots

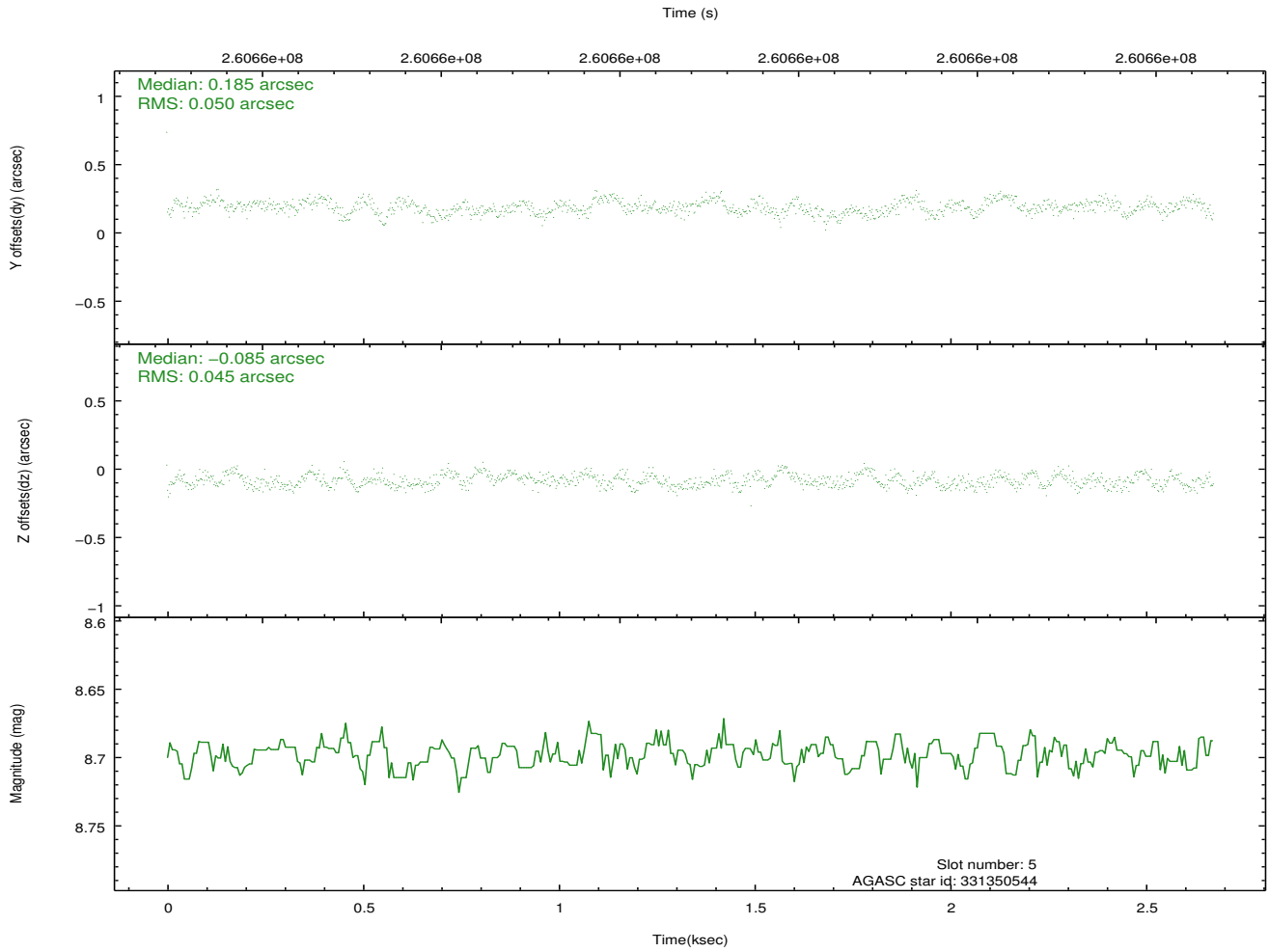
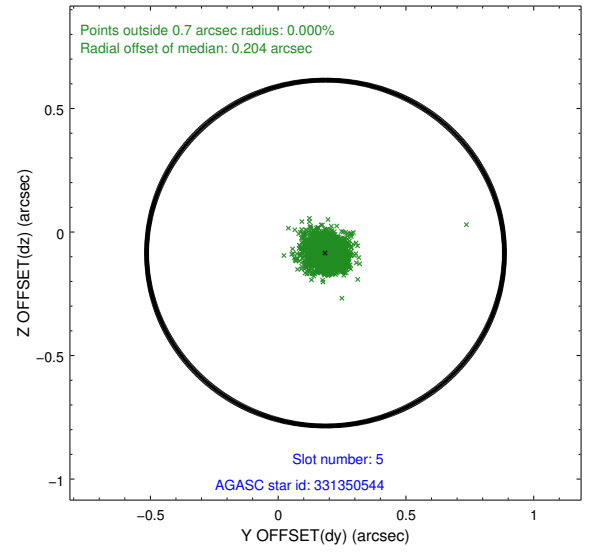
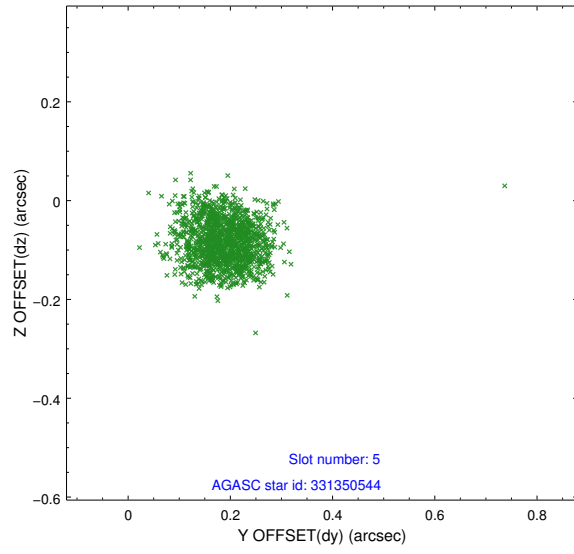
2.4.1 Slot 3



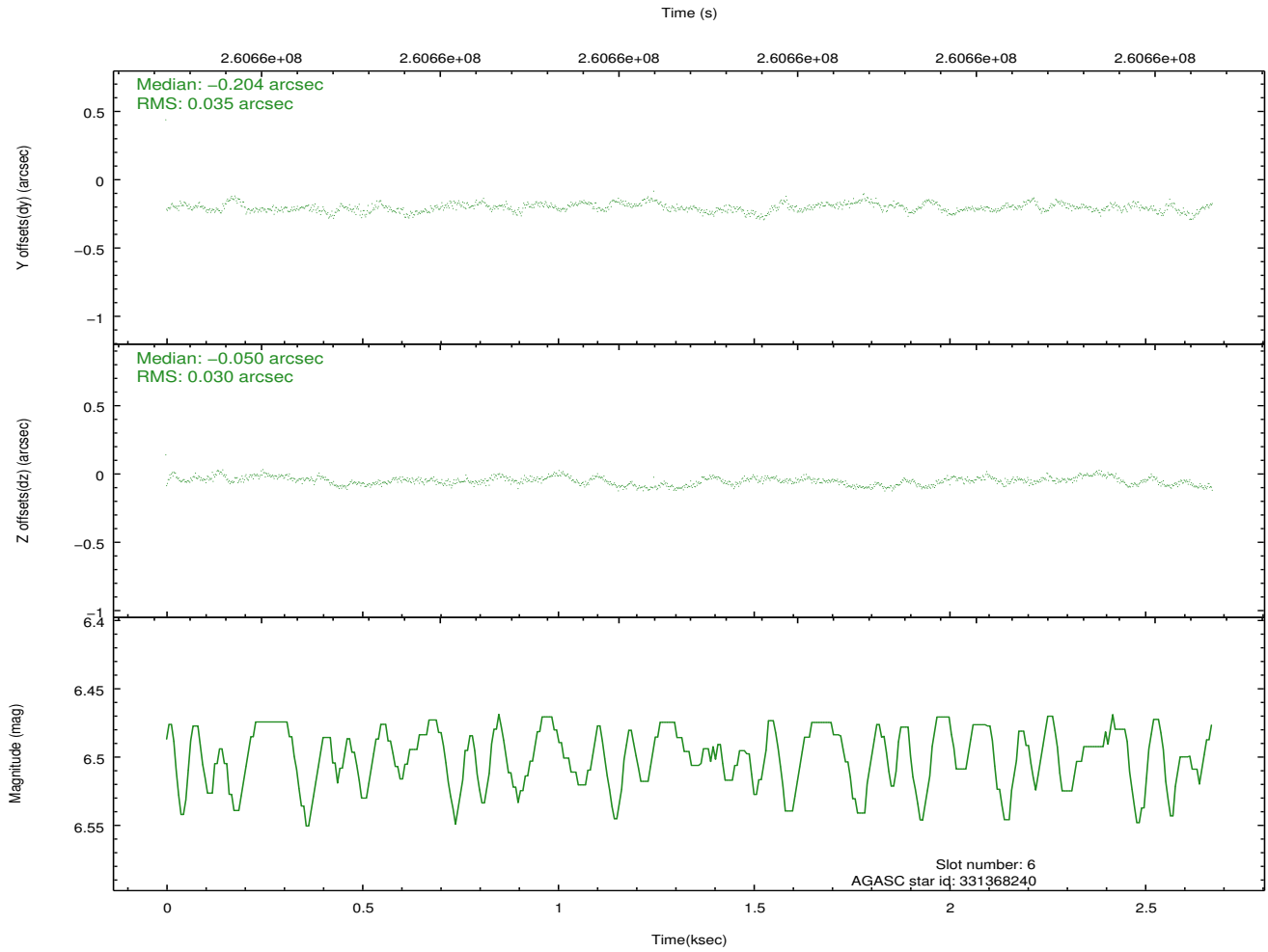
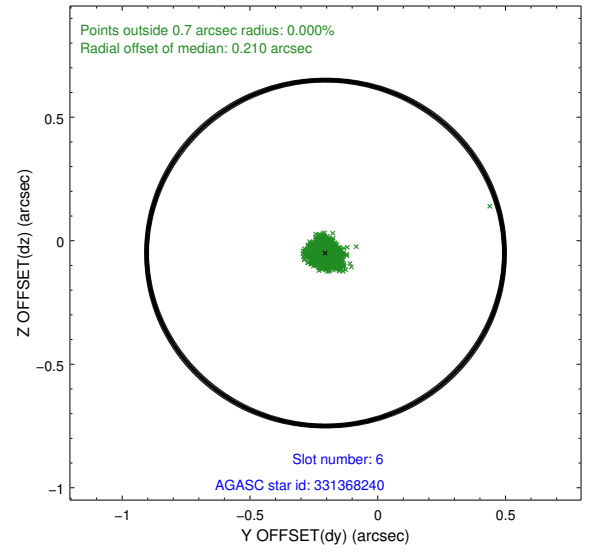
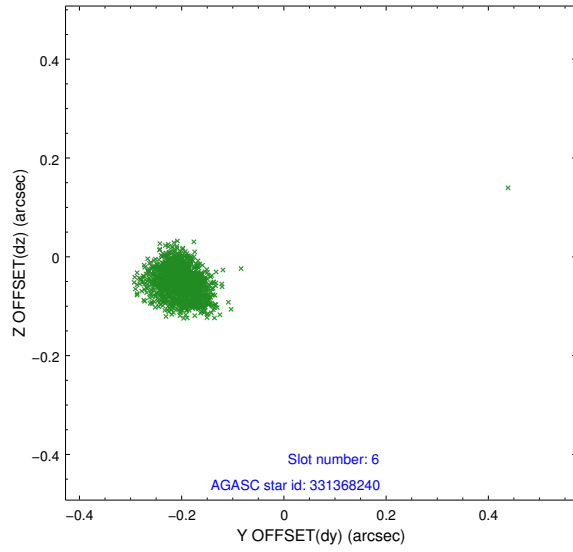
2.4.2 Slot 4



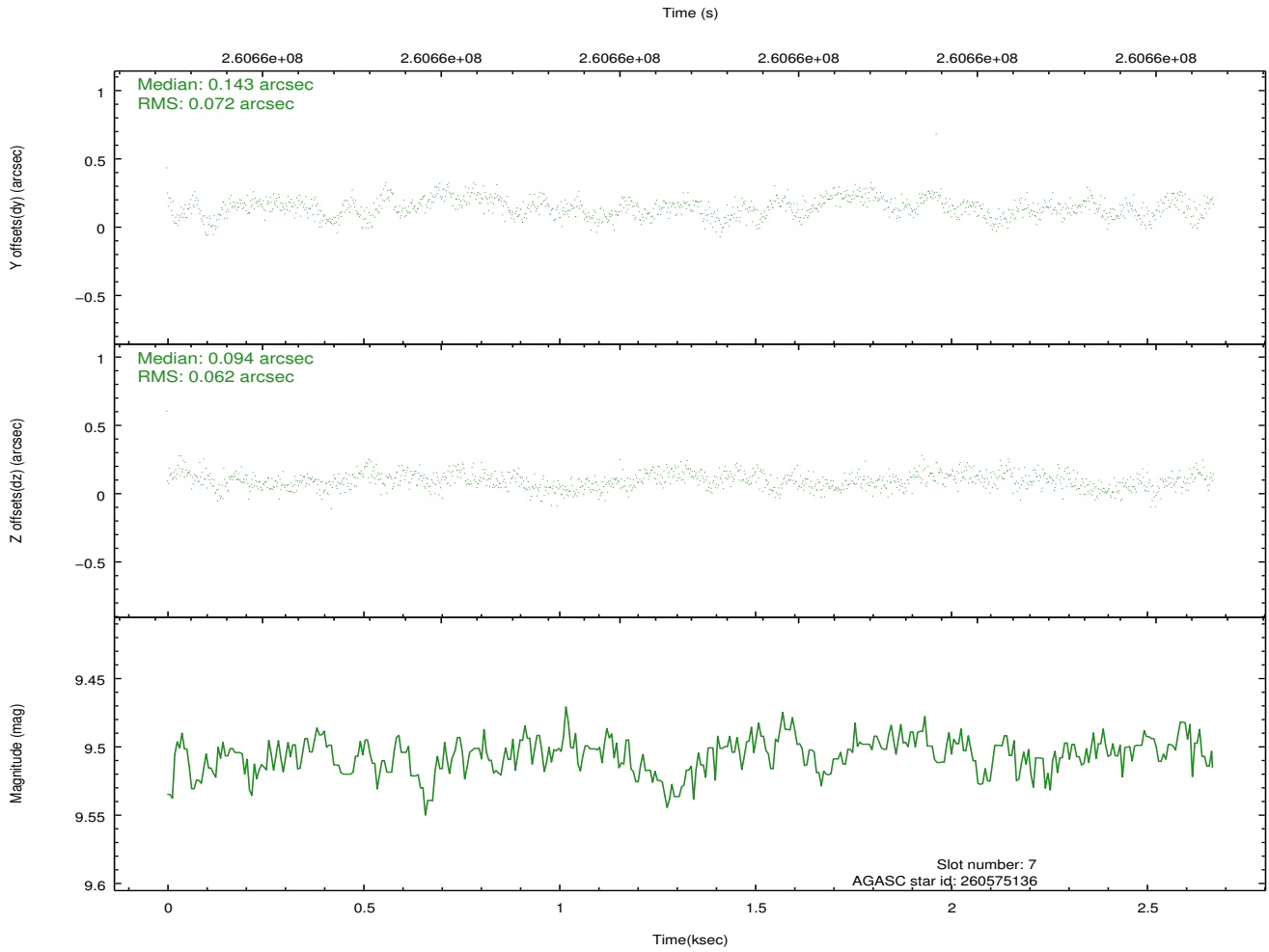
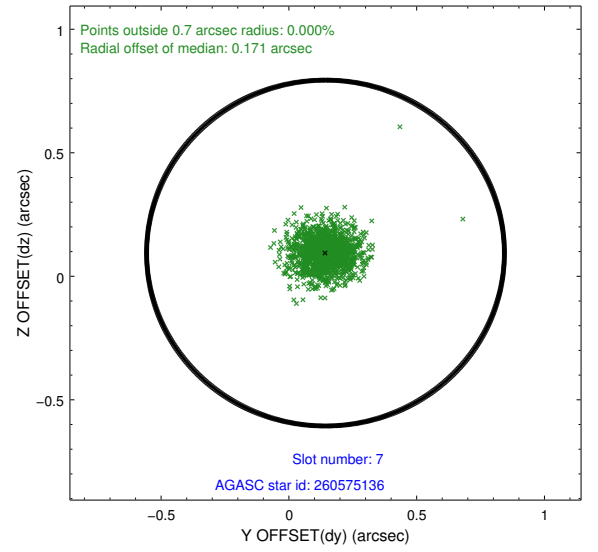
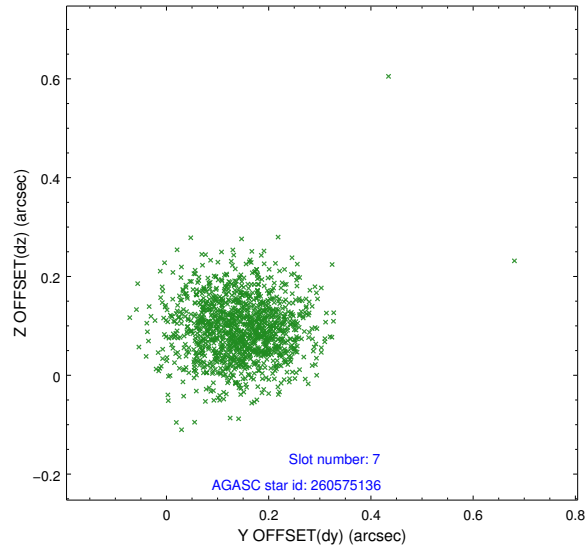
2.4.3 Slot 5



2.4.4 Slot 6

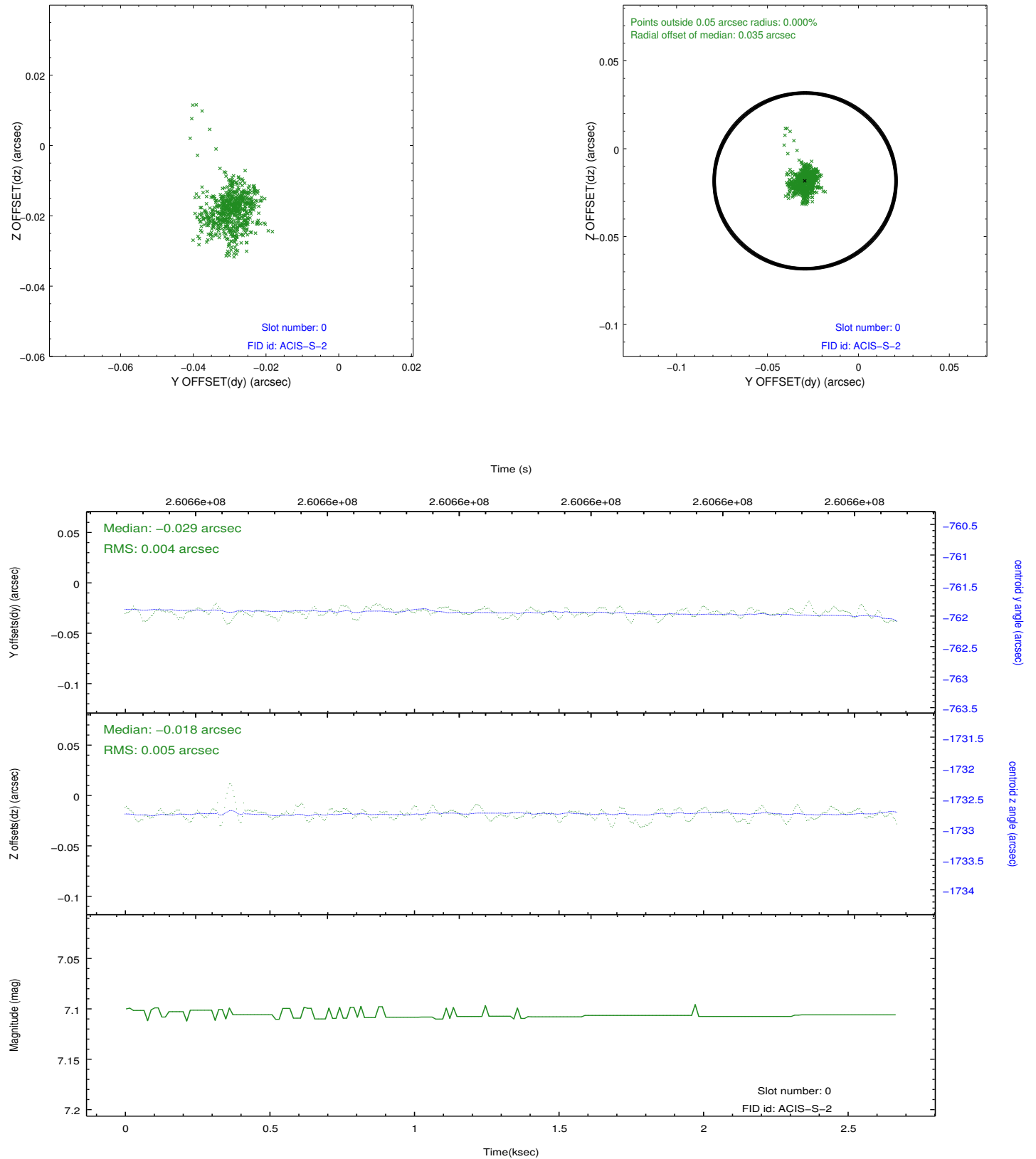


2.4.5 Slot 7

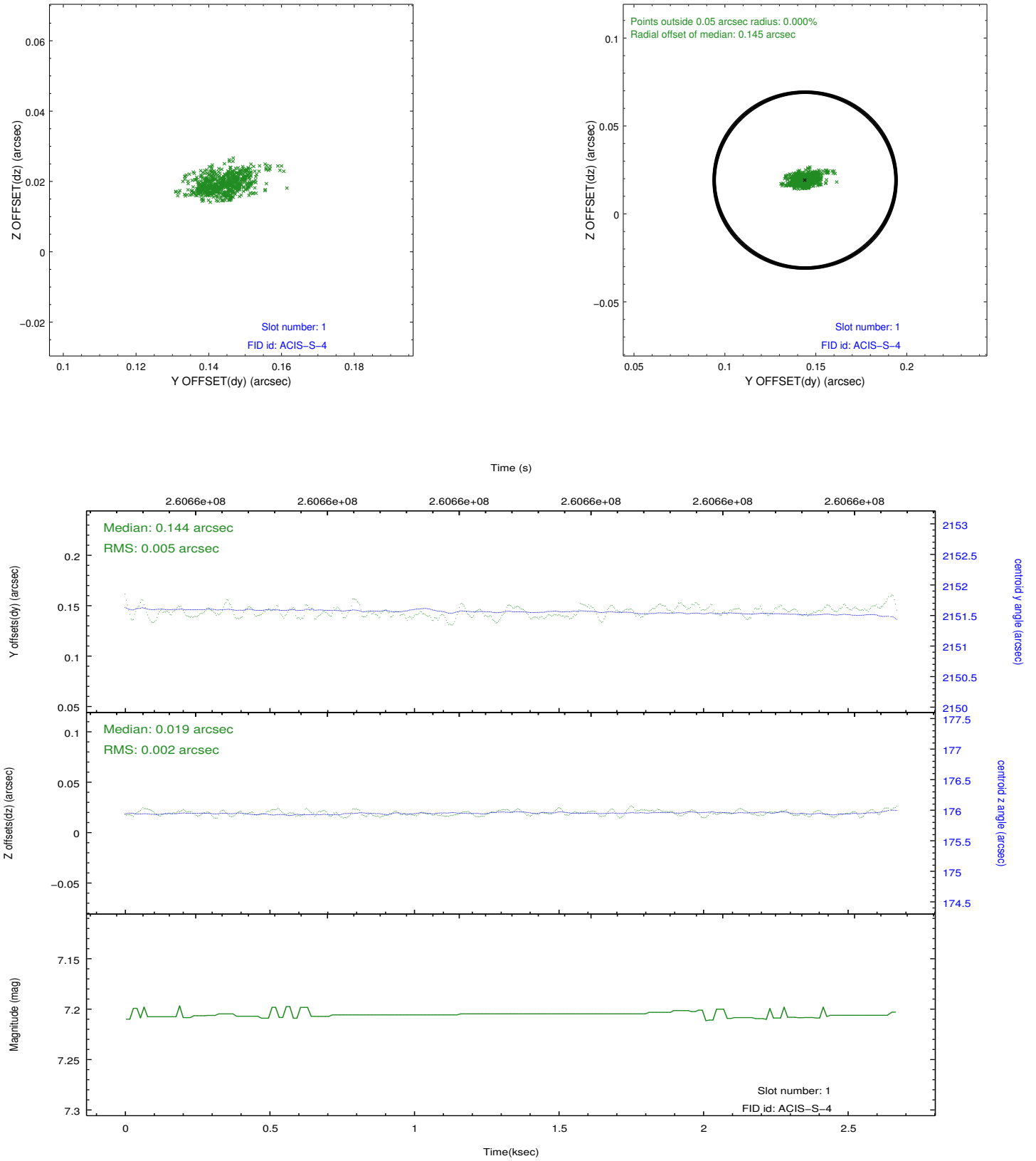


2.5 FID Slots

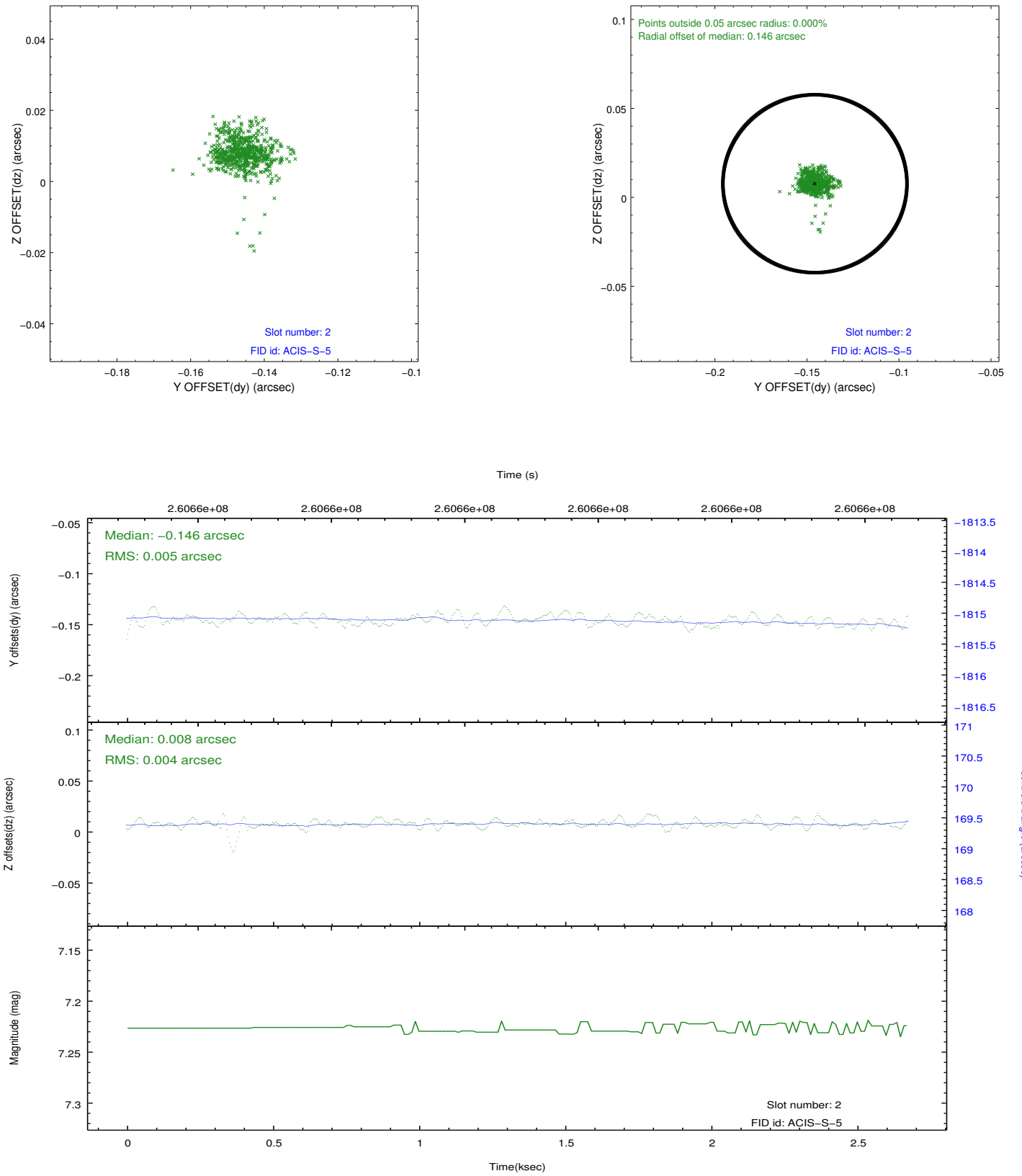
2.5.1 Slot 0



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)	2012.03.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.21439999

A.2 Comments