

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3564 - L2 Version 3
Chandra X-Ray Center

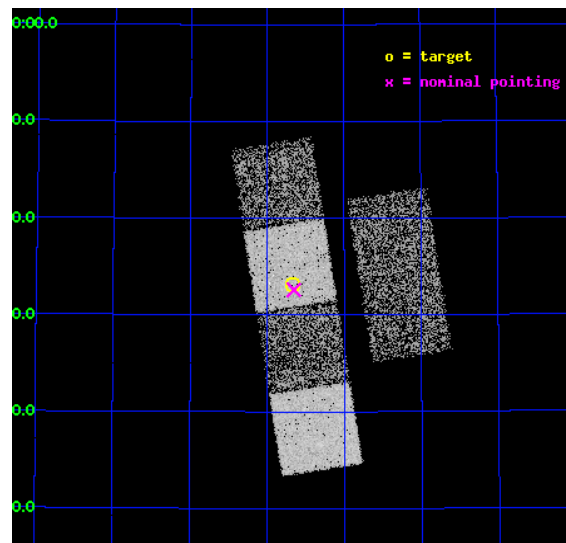
L2 Processing Date : Oct 31 2012

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1 Front

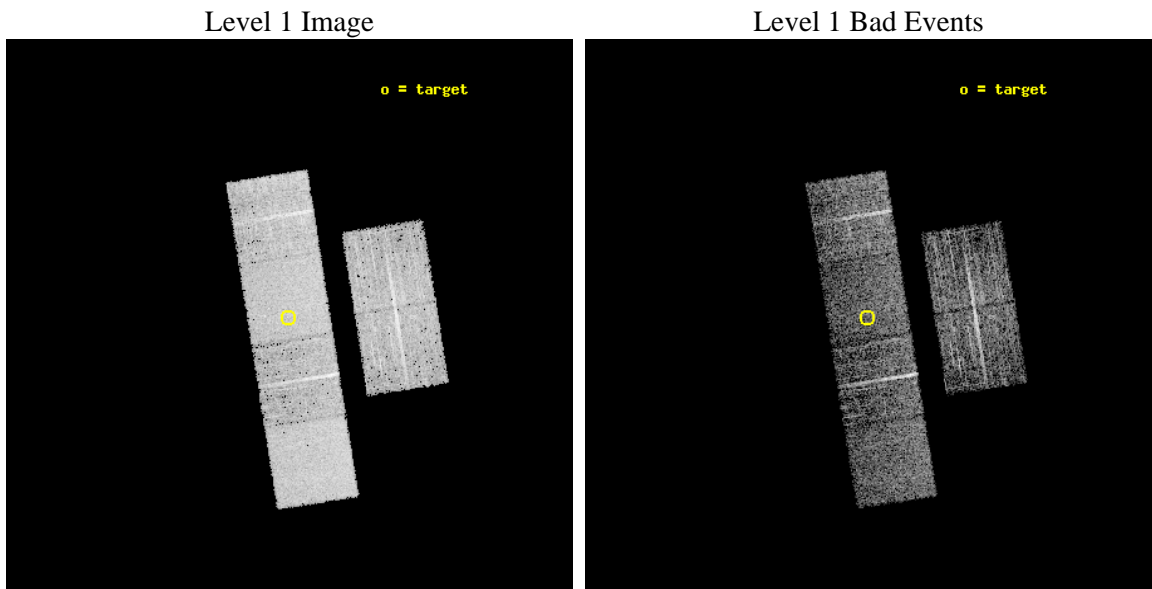
seq_num	700626	Sequence number
obs_id	3564	Observation id
title	A CHANDRA SURVEY OF LUMINOUS, RADIO-DETECTED QUASARS AT $Z > 4$	Prop
observer	Professor Gordon Garmire	Principal investigator
object	FIRST 1309+5733	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	197.419167	Observer's specified target RA [deg]
dec_targ	57.552528	Observer's specified target Dec [deg]
ra_nom	197.41328997009	Nominal RA [deg]
dec_nom	57.543370514882	Nominal Dec [deg]
roll_nom	260.88677244333	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4699.495002687	Sum of GTIs [s]
livetime	4639.9871672668	Livetime [s]
ontime2	4699.5360426903	Sum of GTIs [s]
ontime3	4699.3718826771	Sum of GTIs [s]
ontime5	4699.4539626837	Sum of GTIs [s]
ontime6	4699.4129226804	Sum of GTIs [s]
ontime7	4699.495002687	Sum of GTIs [s]
ontime8	4696.0897528827	Sum of GTIs [s]
l2events	45044	Number of level 2 events



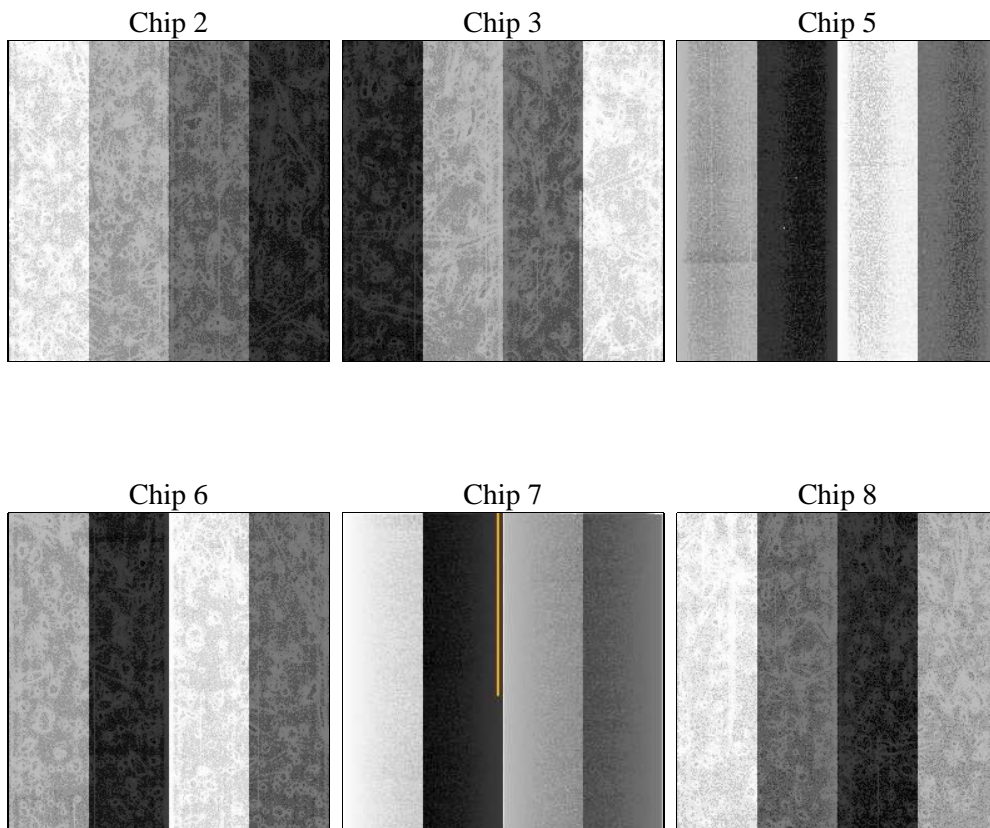
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4944.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4699.495002687	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	4699.5360426903	Sum of GTIs [s]
date	2012-11-01T02:03:54	Date and time of file creation	ontime3	4699.3718826771	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4699.4539626837	Sum of GTIs [s]
			ontime6	4699.4129226804	Sum of GTIs [s]
			ontime7	4699.495002687	Sum of GTIs [s]
			ontime8	4696.0897528827	Sum of GTIs [s]
			l1events	200433	Number of level 1 events

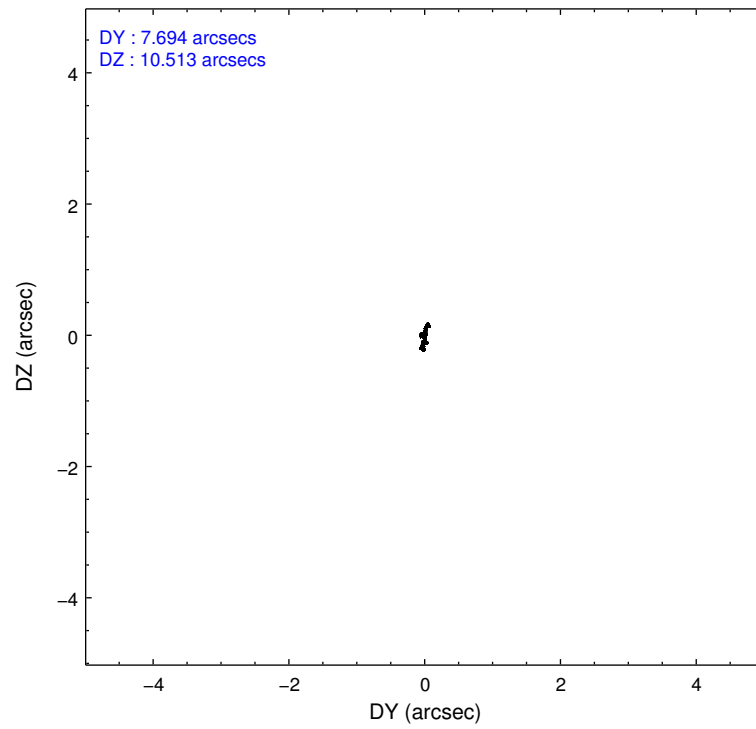
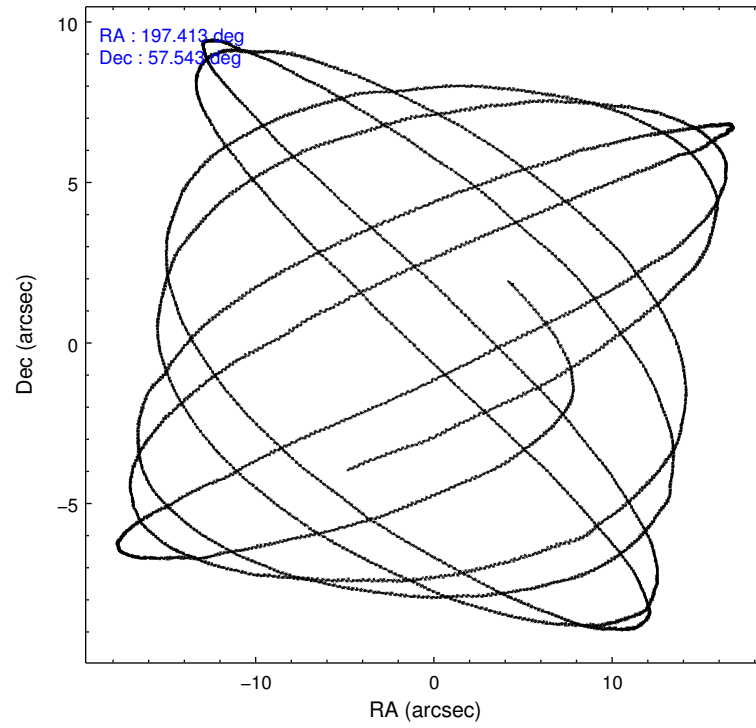
2.1.4 Events

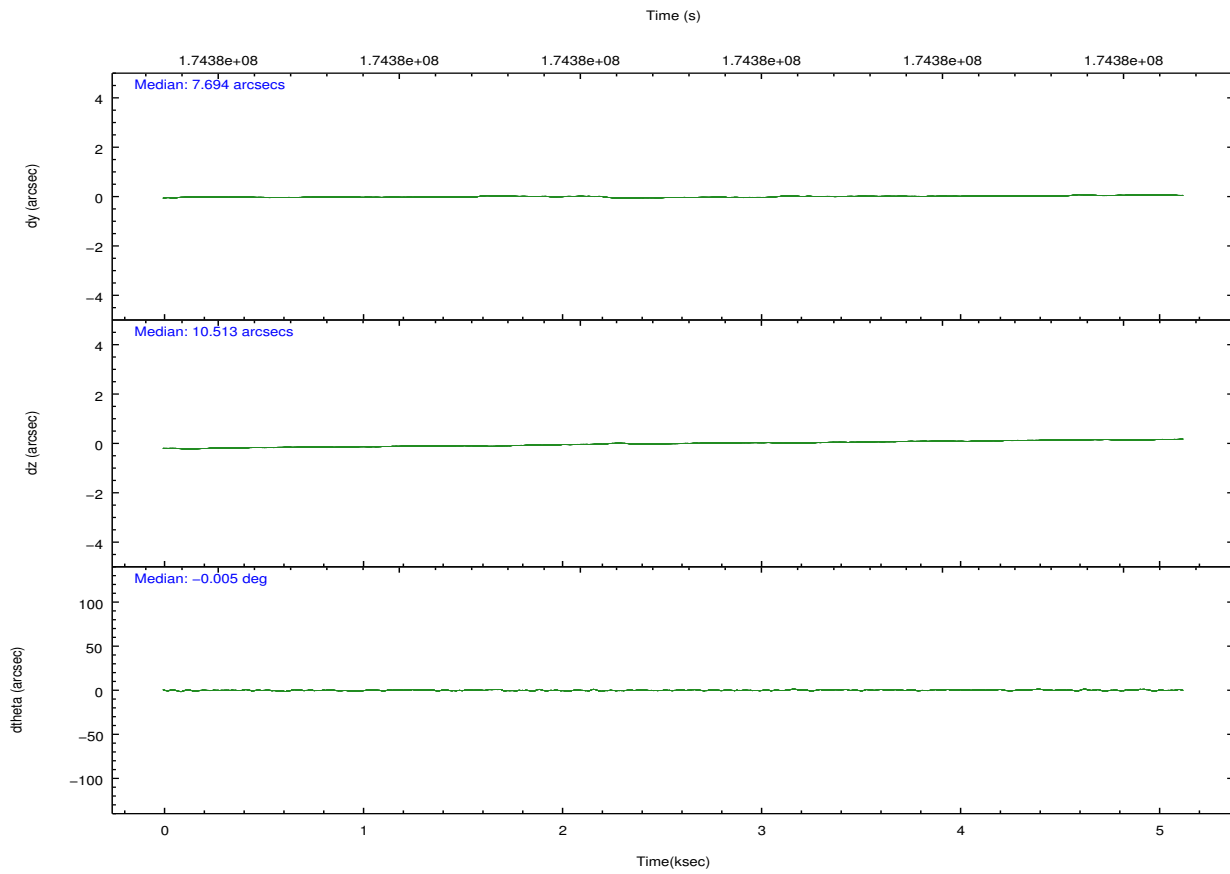
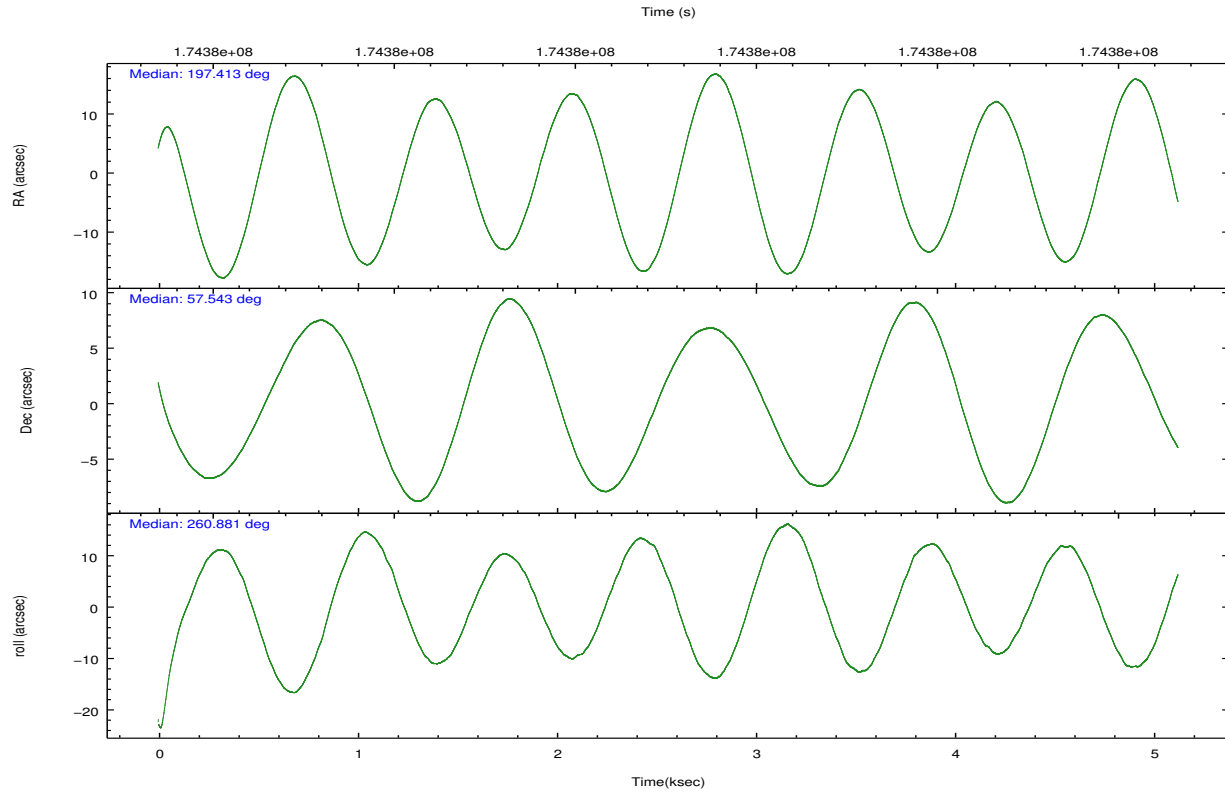
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	28612	28741	40801	27879	37683	36717	grade 0 events	1417	1402	1214	1346	1541	2173
rejected events	25319	25549	22646	24434	21963	29708		4%	4%	2%	4%	4%	5%
rejected %	88%	88%	55%	87%	58%	80%	grade 1 events	17	12	50	14	39	23
								0%	0%	0%	0%	0%	0%
							grade 2 events	700	620	5457	725	3129	1503
								2%	2%	13%	2%	8%	4%
							grade 3 events	330	319	778	354	1456	786
								1%	1%	1%	1%	3%	2%
							grade 4 events	307	314	821	357	1303	712
								1%	1%	2%	1%	3%	1%
							grade 5 events	1093	1254	3117	1293	3560	1603
								3%	4%	7%	4%	9%	4%
							grade 6 events	541	545	9928	668	8311	1867
								1%	1%	24%	2%	22%	5%
							grade 7 events	24207	24275	19436	23122	18344	28050
								84%	84%	47%	82%	48%	76%

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	197.394488	197.4132899700901	Subarray requested	NONE	NONE
[deg] Pointing Dec	57.568696	57.54337051488177	Alternating exposures requested	N	N
[deg] Pointing Roll	260.746063	260.8867724433259	[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)	174380126.184000	174379405.58087			
Observation start date	2003-07-12T06:54:22	2003-07-12T06:43:25			
[s] Observation end time (MET)	174385070.184000	174385651.93113			
Observation end date	2003-07-12T08:16:46	2003-07-12T08:27:31			
Read mode	TIMED	TIMED			

2.3 Aspect



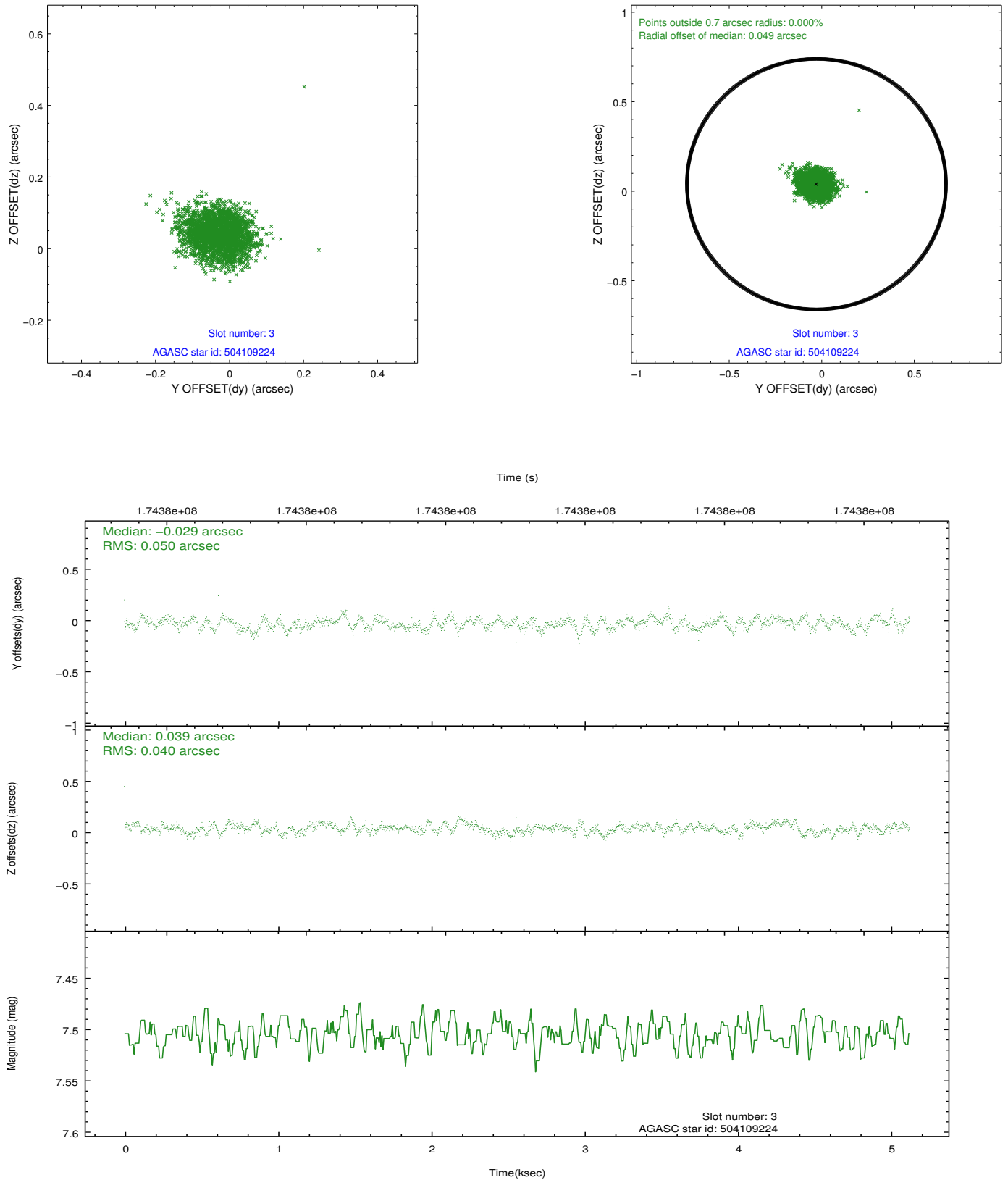


Slot Statistics

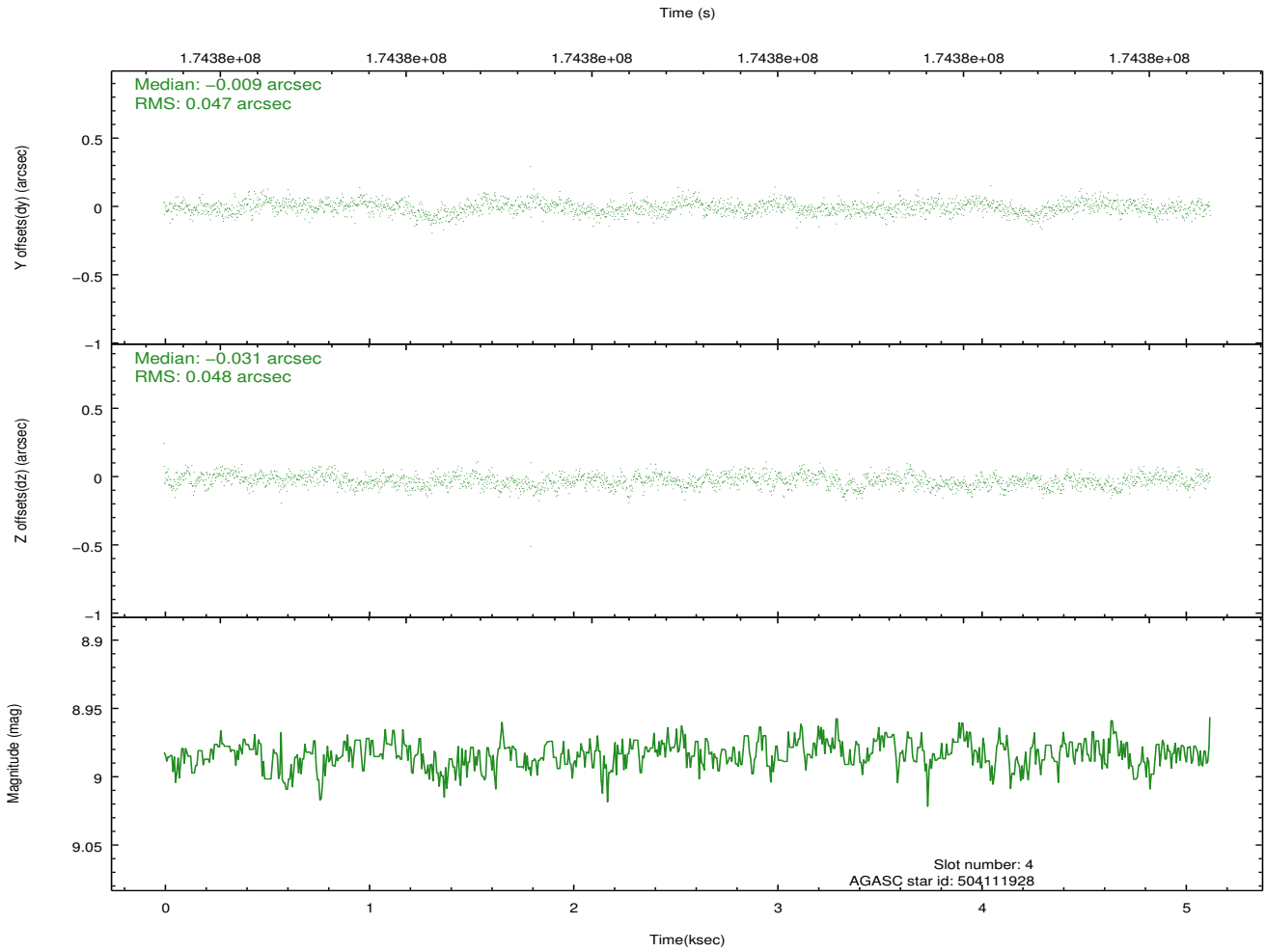
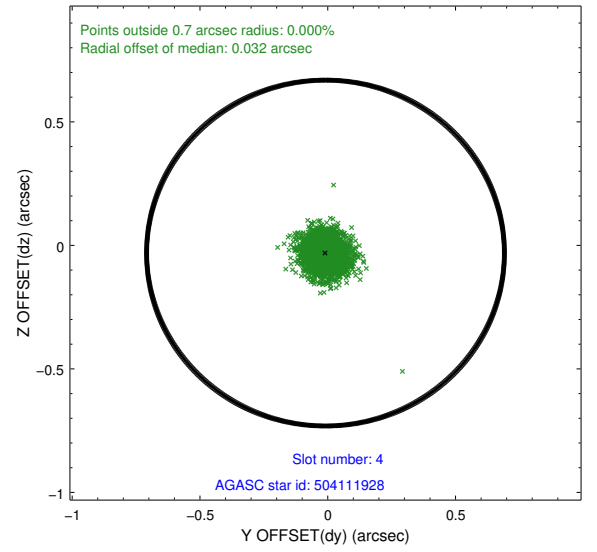
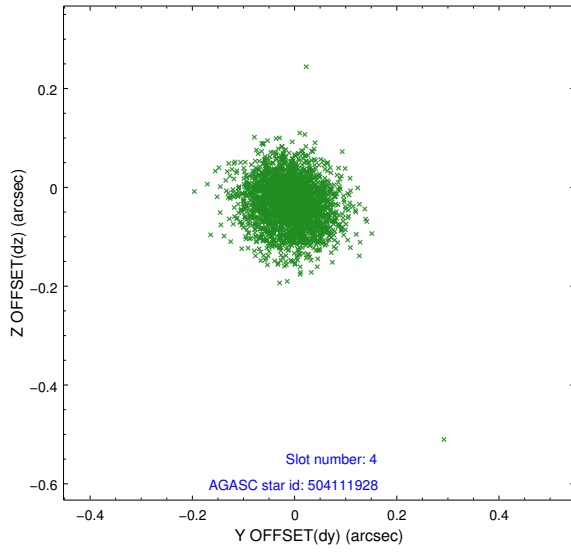
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1250	-0.052	-0.036	0.006	0.010	0.000000	0.000000	-760.48	-1731.81
1	FID	ACIS-S-4	7.20	1250	0.070	0.015	0.007	0.010	0.000000	0.000000	2152.35	175.56
2	FID	ACIS-S-6	7.34	1250	-0.046	0.028	0.007	0.012	0.000000	0.000000	402.98	814.28
3	GUIDE	504109224	7.50	2501	-0.029	0.039	0.068	0.107	196.603803	57.025262	2171.64	-1215.61
4	GUIDE	504111928	8.98	2501	-0.009	-0.031	0.071	0.114	197.590525	57.425998	446.57	457.10
5	GUIDE	504500240	8.02	2501	-0.020	0.036	0.056	0.087	197.715643	57.560445	-71.49	616.80
6	GUIDE	504502992	9.25	2495	0.099	-0.079	0.090	0.146	197.480652	57.567776	-23.01	164.81
7	GUIDE	504503552	8.61	2500	-0.041	0.036	0.055	0.088	197.056514	57.632643	-123.68	-680.03

2.4 Star Slots

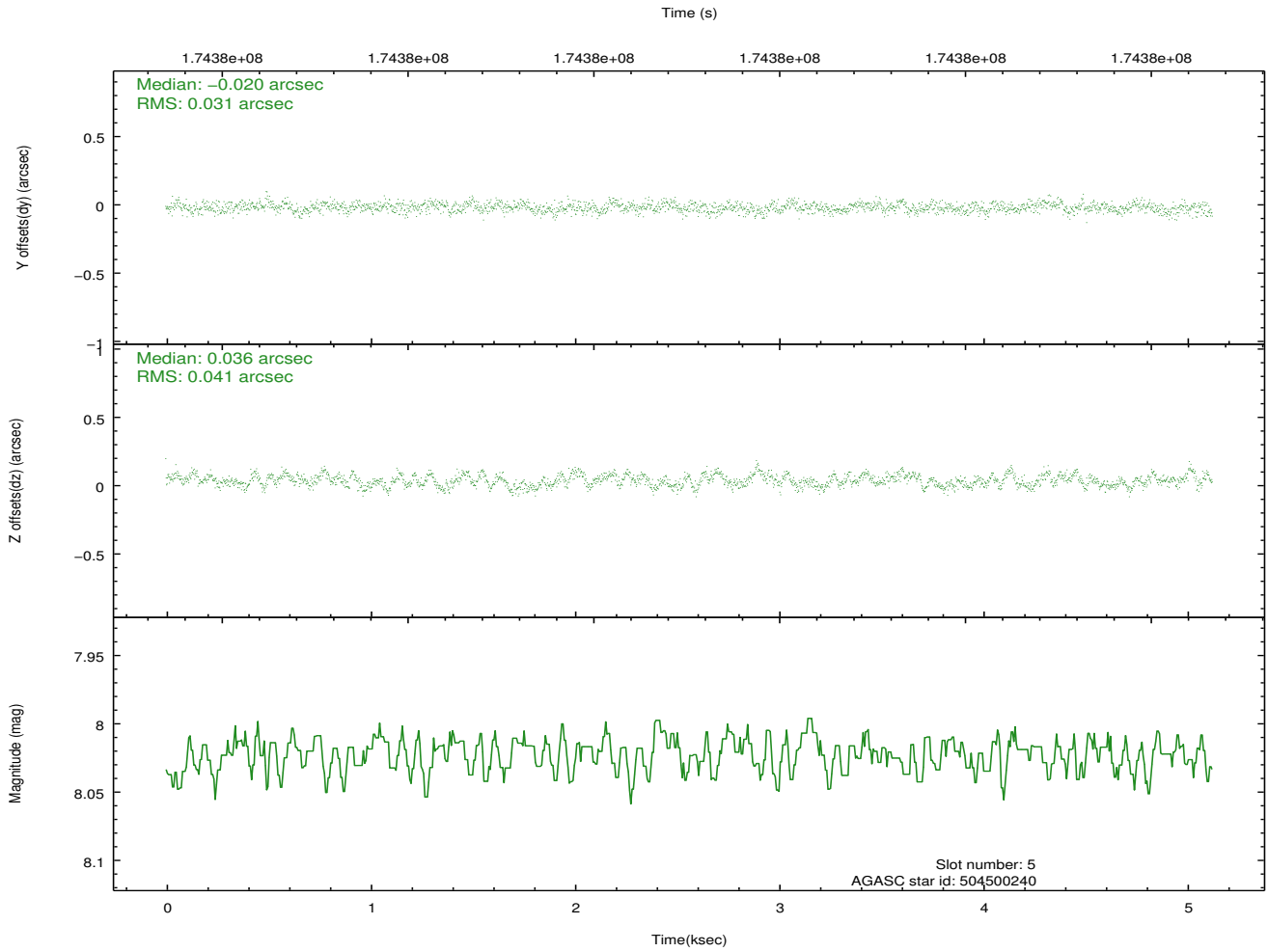
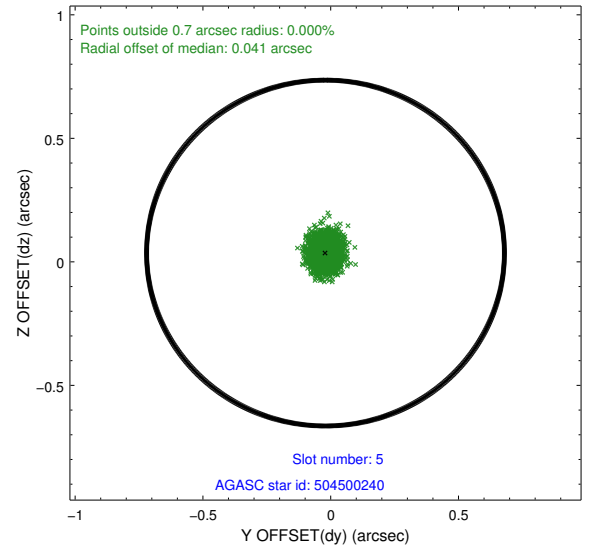
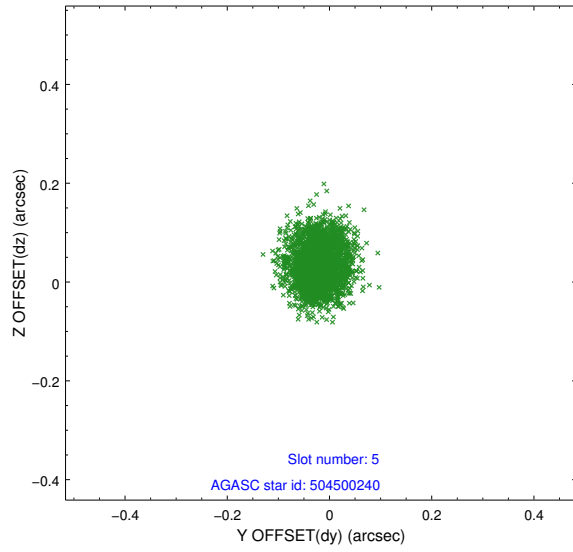
2.4.1 Slot 3



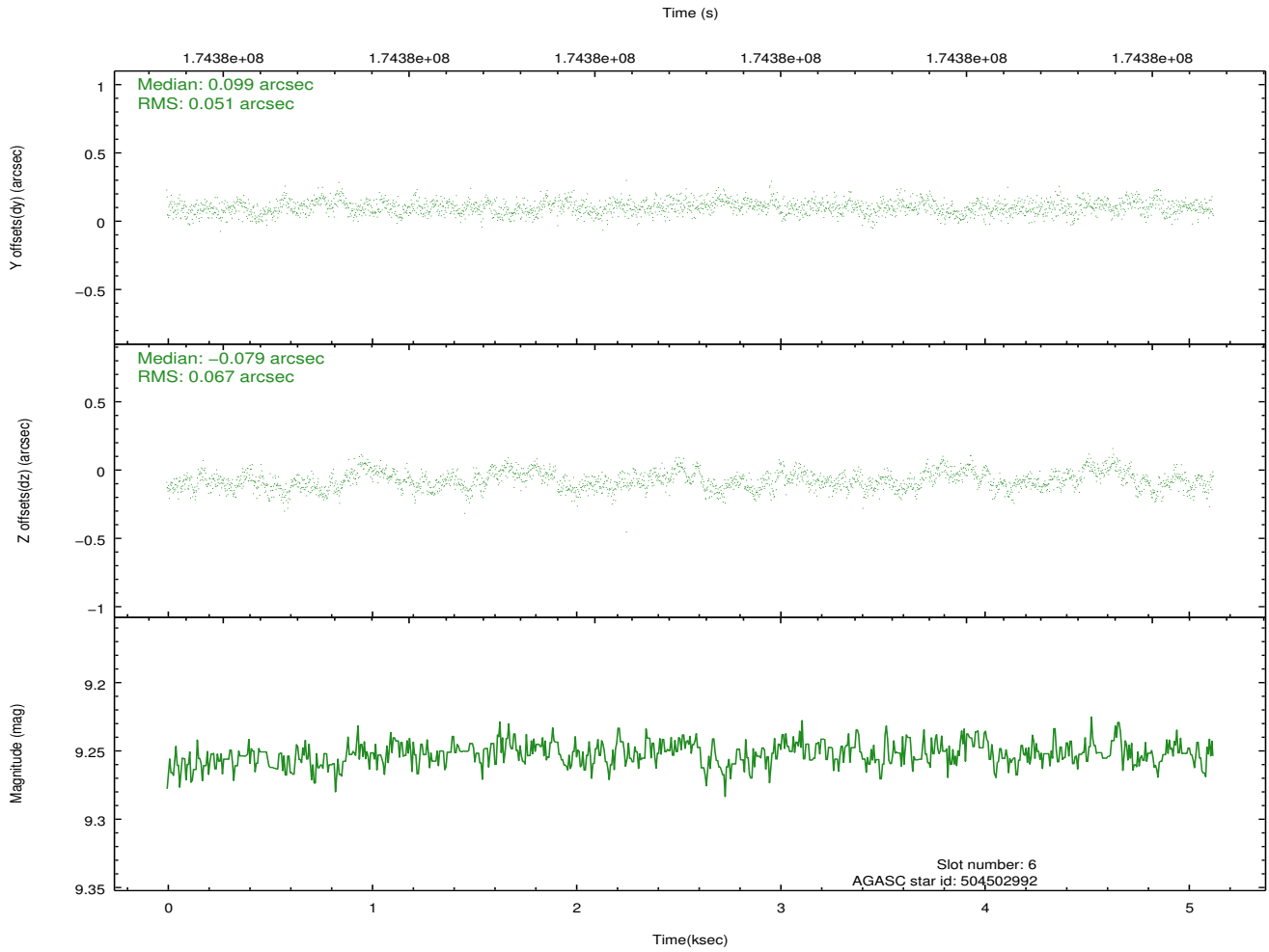
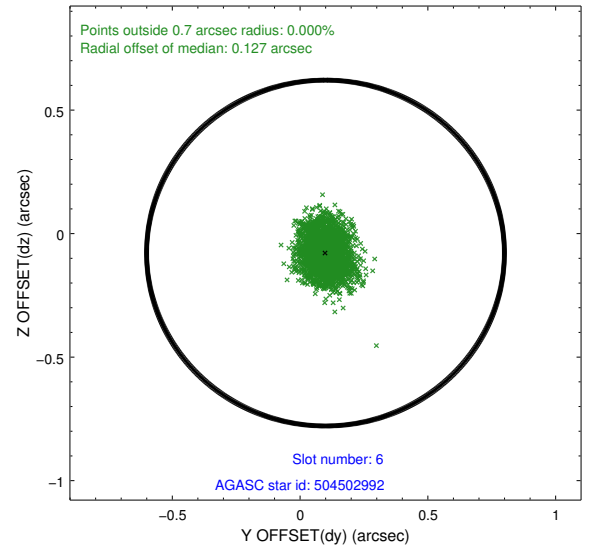
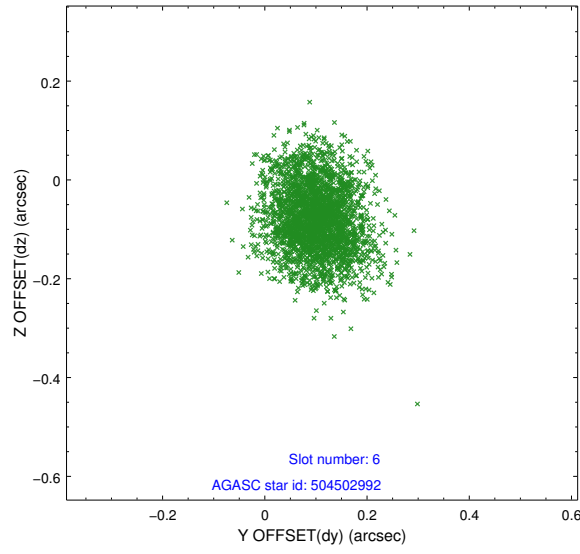
2.4.2 Slot 4



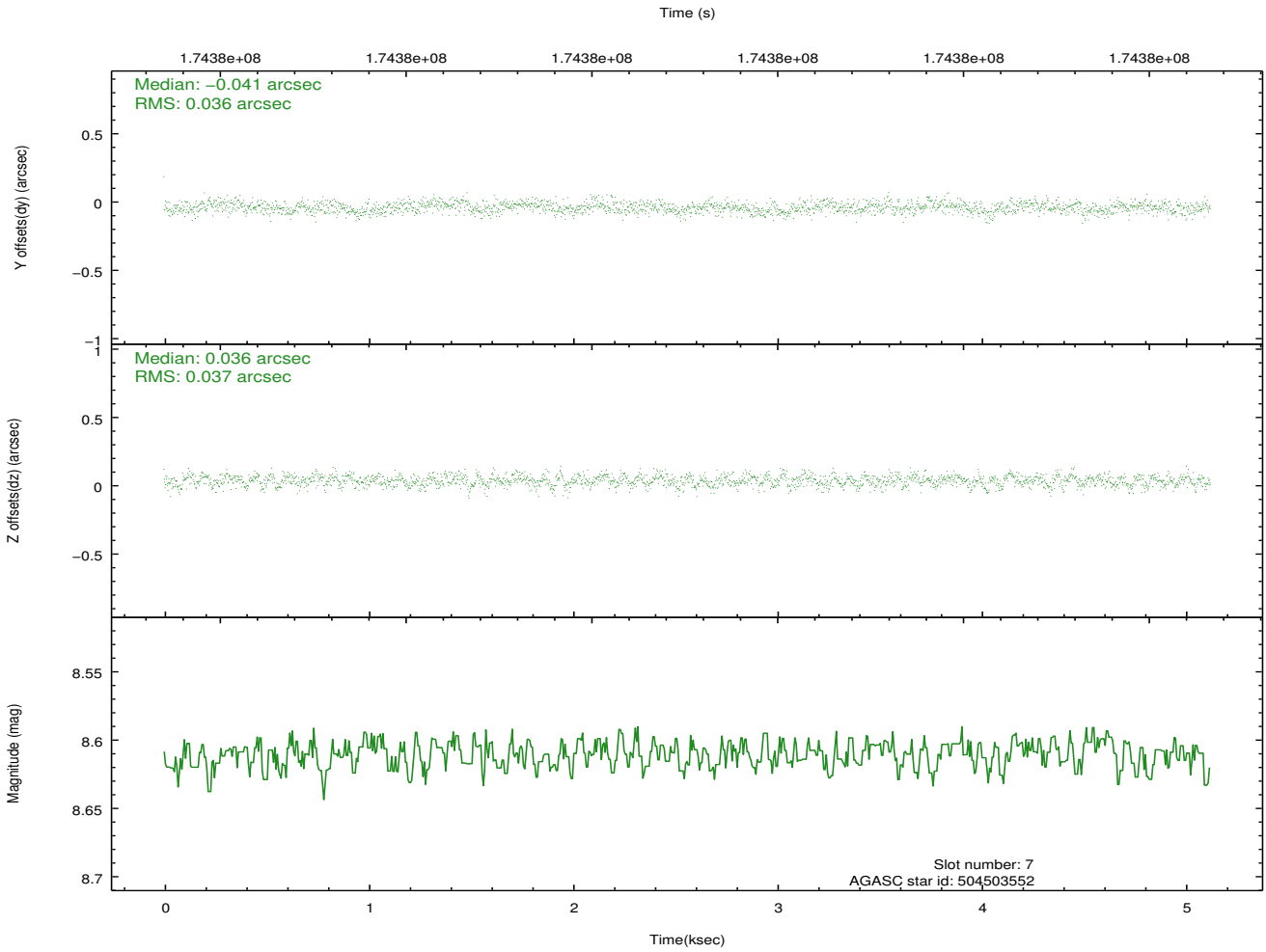
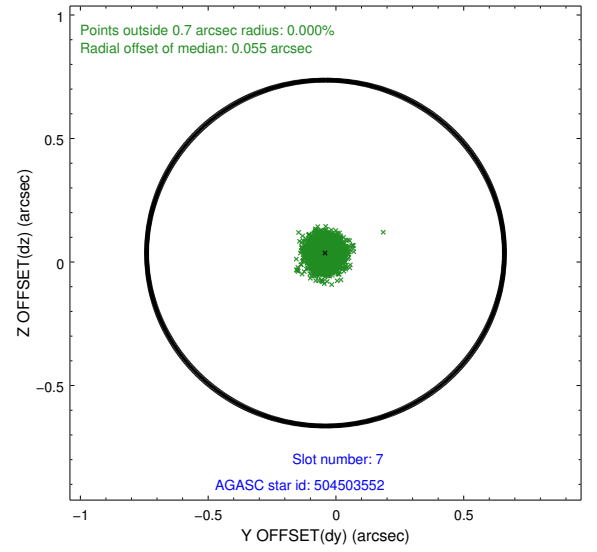
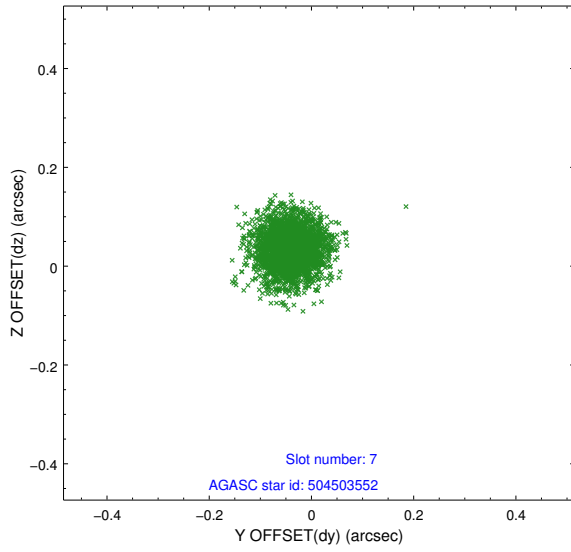
2.4.3 Slot 5



2.4.4 Slot 6

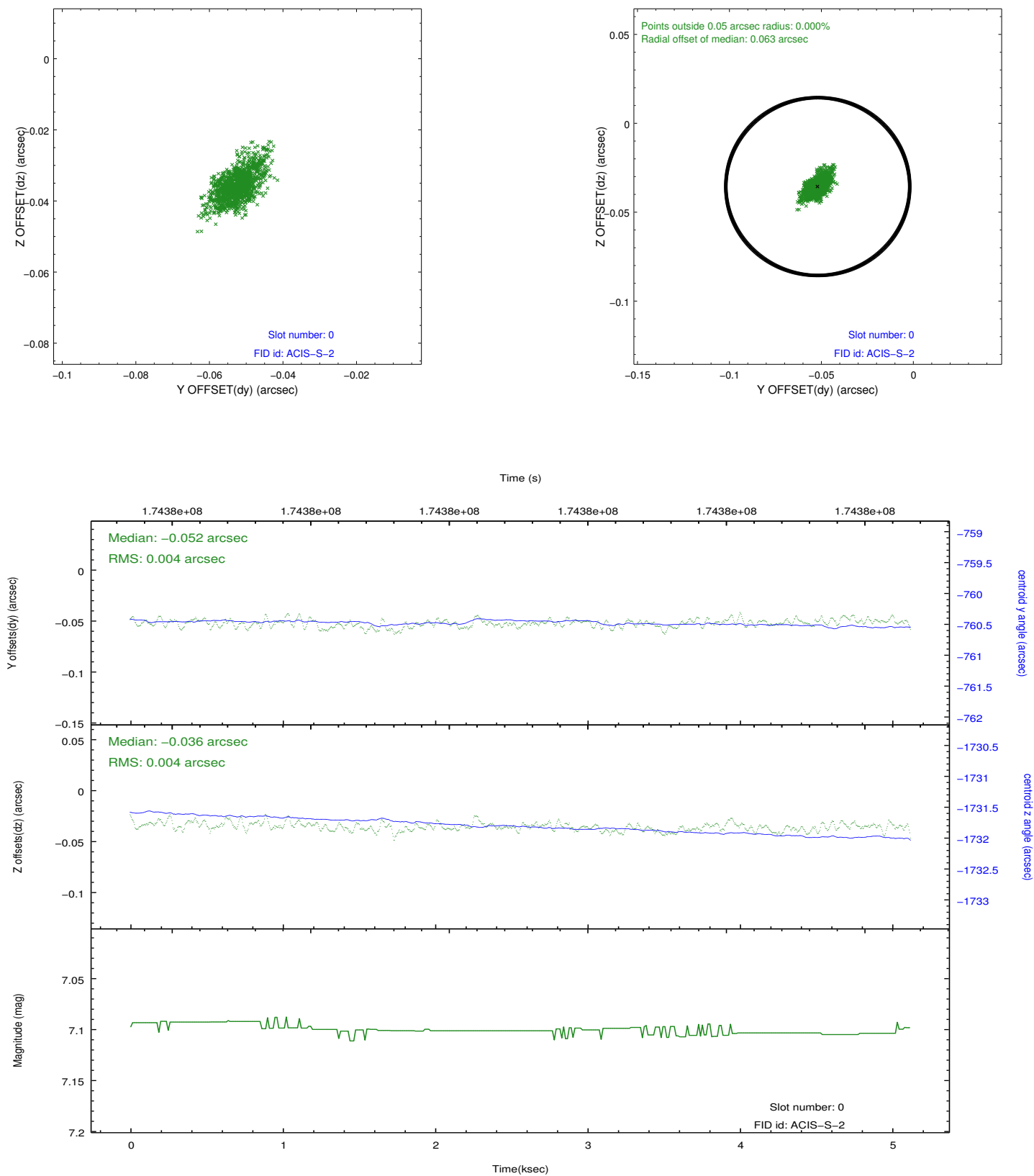


2.4.5 Slot 7

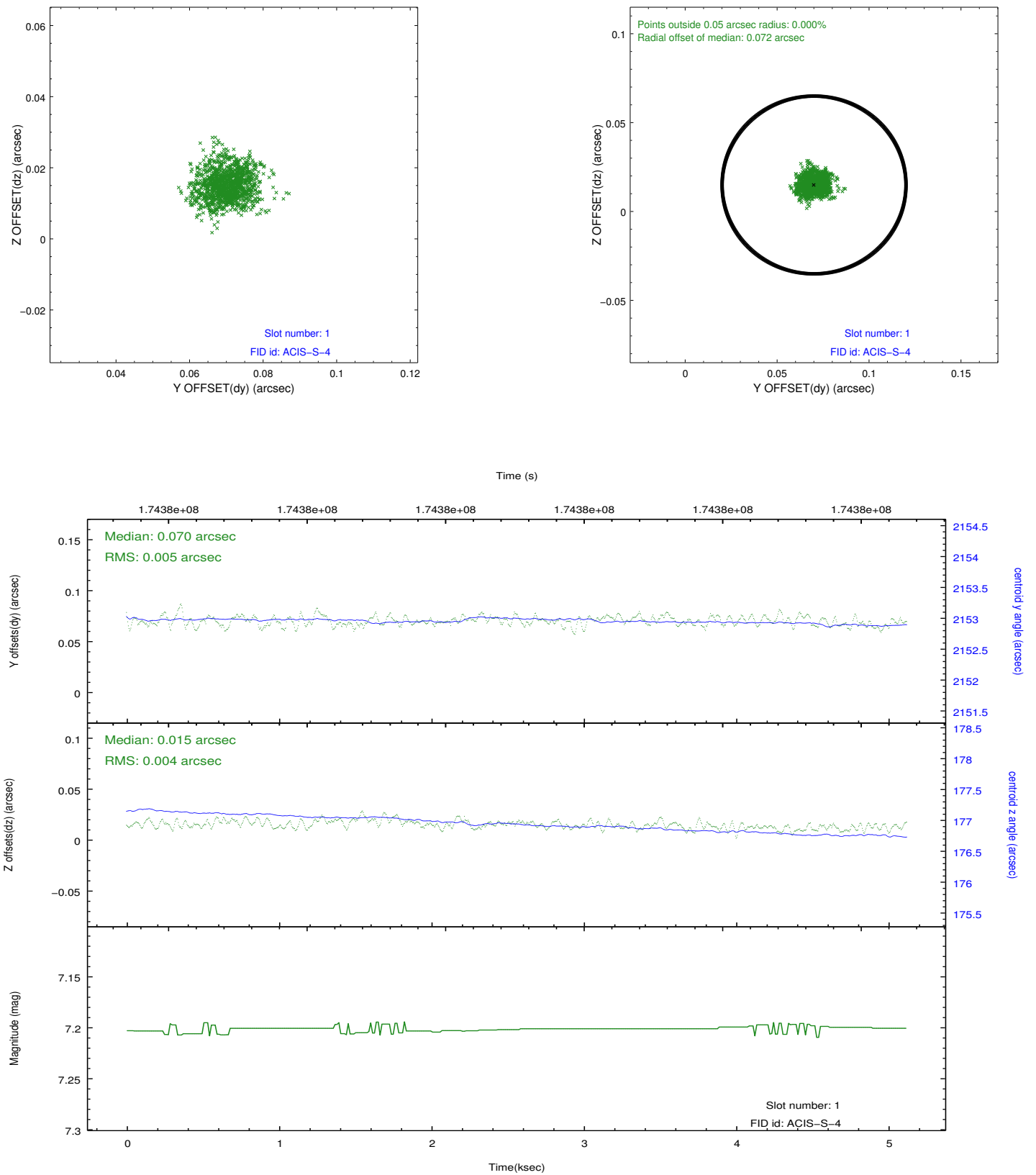


2.5 FID Slots

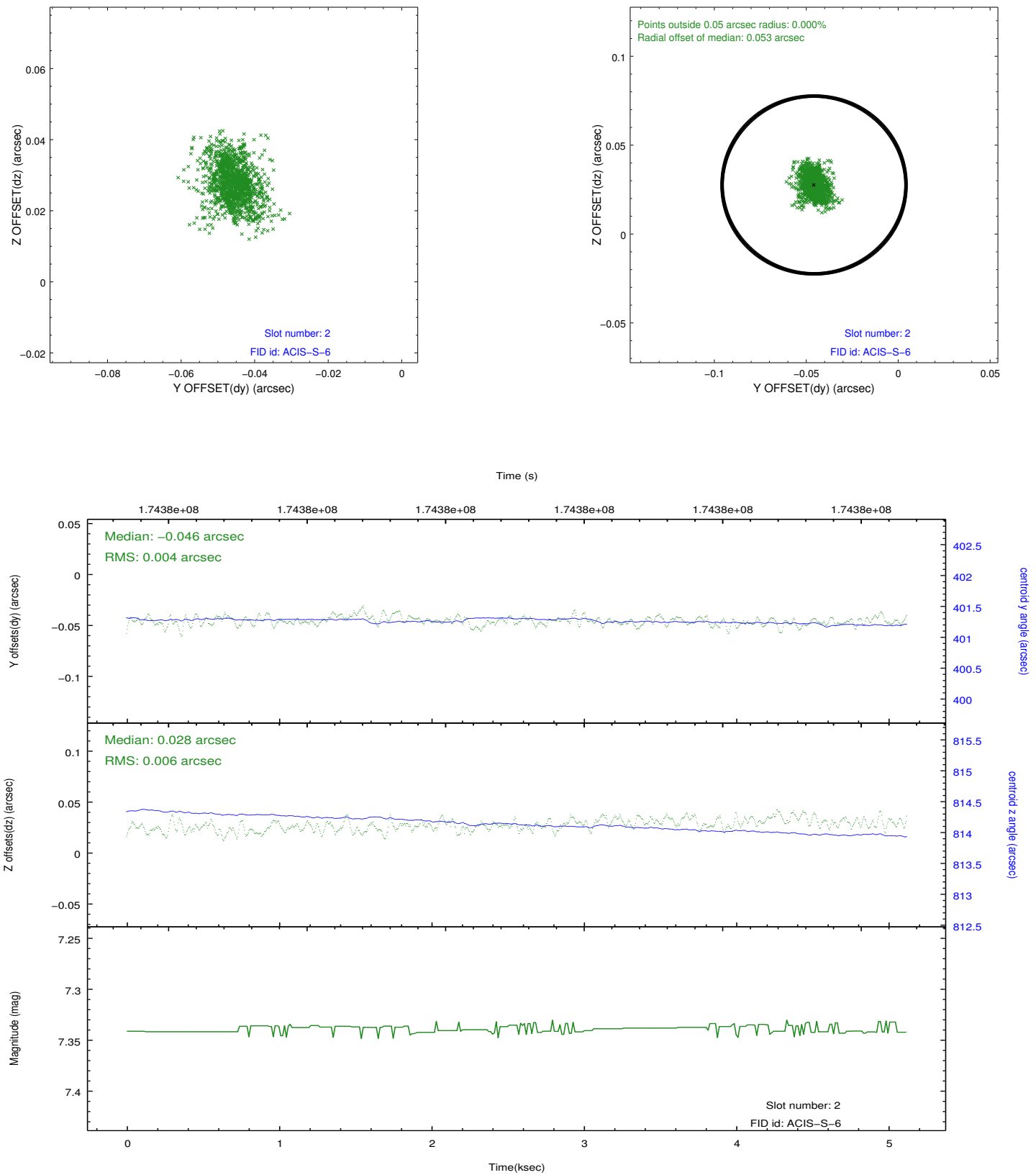
2.5.1 Slot 0



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)	2012.11.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.7

A.2 Comments