

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4066 - L2 Version 3
Chandra X-Ray Center

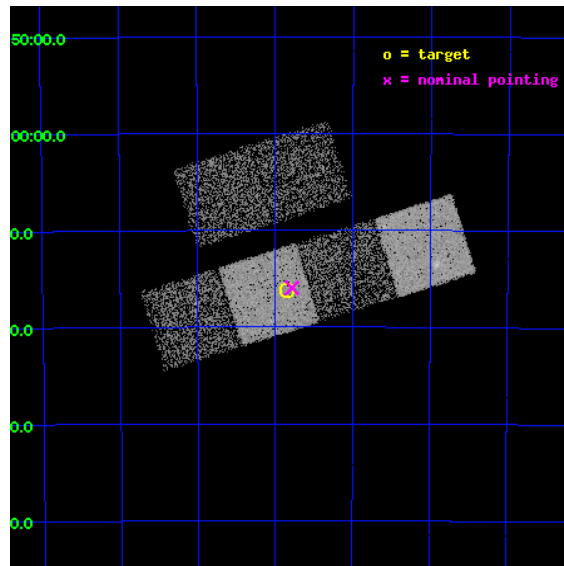
L2 Processing Date : Oct 29 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

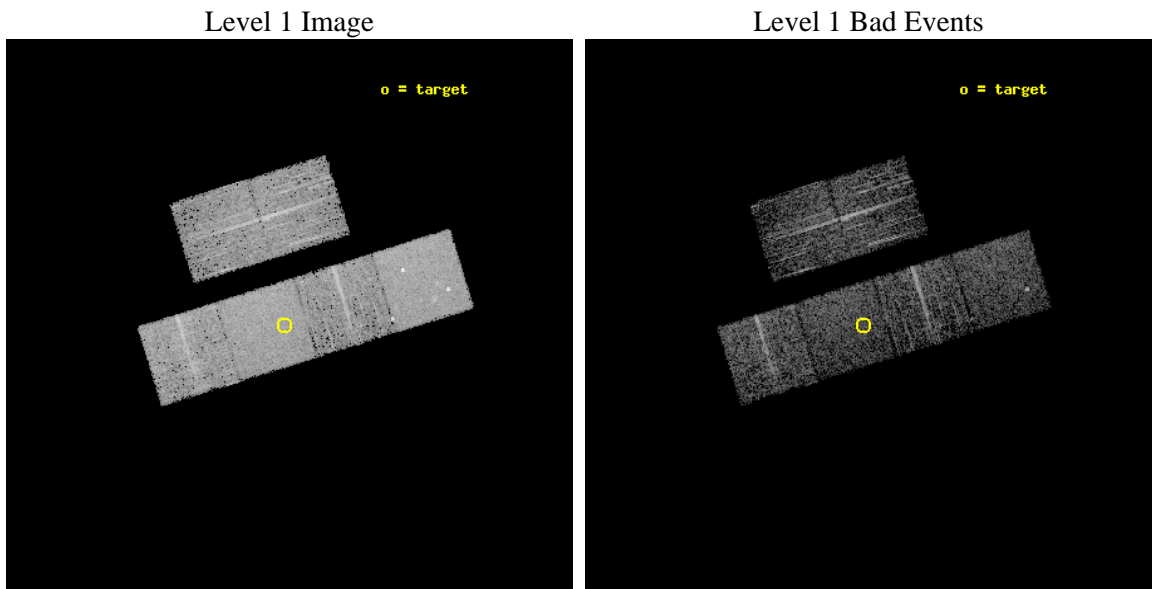
seq_num	700745	Sequence number
obs_id	4066	Observation id
title	A CHANDRA SURVEY OF THE MOST LUMINOUS QUASARS AT $Z > 4$	Proposal titl
observer	Dr Cristian Vignali	Principal investigator
object	BR 0418-5723	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	64.962083	Observer's specified target RA [deg]
dec_targ	-57.270306	Observer's specified target Dec [deg]
ra_nom	64.946101202379	Nominal RA [deg]
dec_nom	-57.265843248626	Nominal Dec [deg]
roll_nom	162.70755845267	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4037.3488497436	Sum of GTIs [s]
livetime	3986.2255076085	Livetime [s]
ontime2	4034.1488995552	Sum of GTIs [s]
ontime3	4037.2257297337	Sum of GTIs [s]
ontime5	4037.3078097403	Sum of GTIs [s]
ontime6	4037.266769737	Sum of GTIs [s]
ontime7	4037.3488497436	Sum of GTIs [s]
ontime8	4037.1846897602	Sum of GTIs [s]
l2events	42136	Number of level 2 events



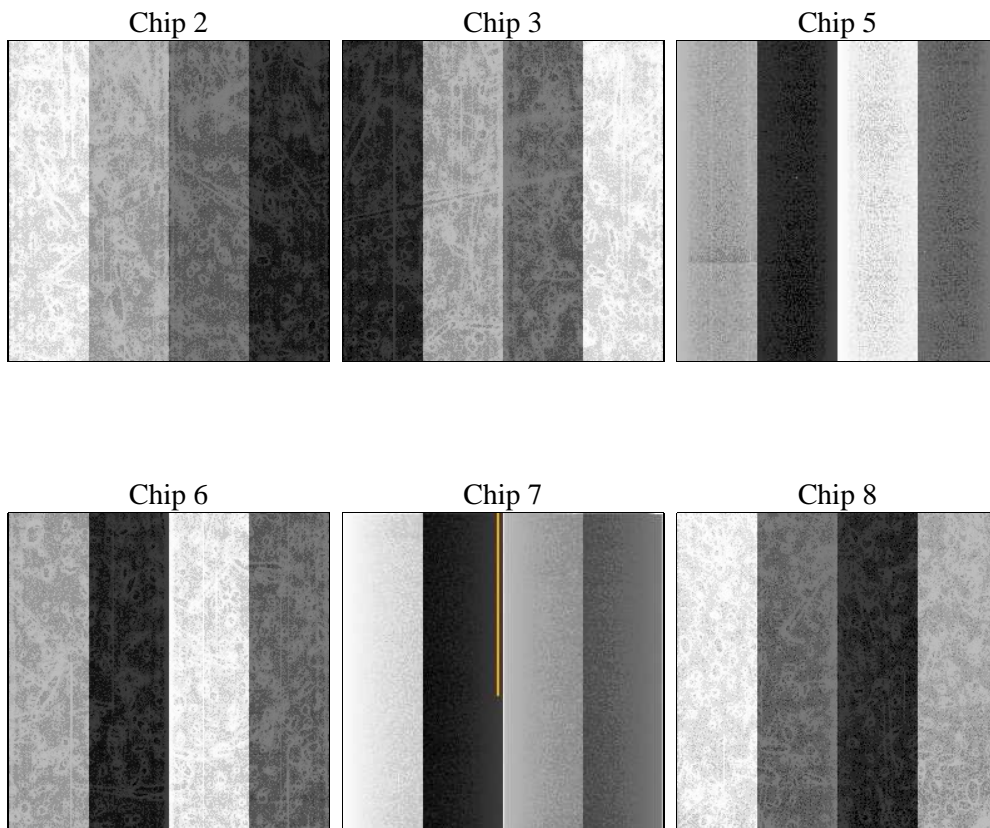
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4037.3488497436	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	4034.1488995552	Sum of GTIs [s]
date	2012-10-29T17:43:40	Date and time of file creation	ontime3	4037.2257297337	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4037.3078097403	Sum of GTIs [s]
			ontime6	4037.266769737	Sum of GTIs [s]
			ontime7	4037.3488497436	Sum of GTIs [s]
			ontime8	4037.1846897602	Sum of GTIs [s]
			l1events	183105	Number of level 1 events

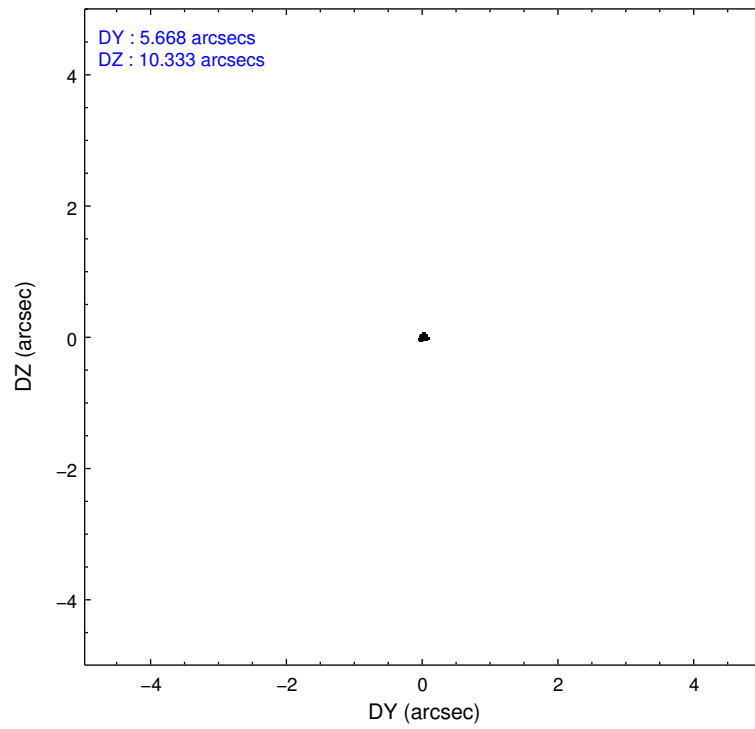
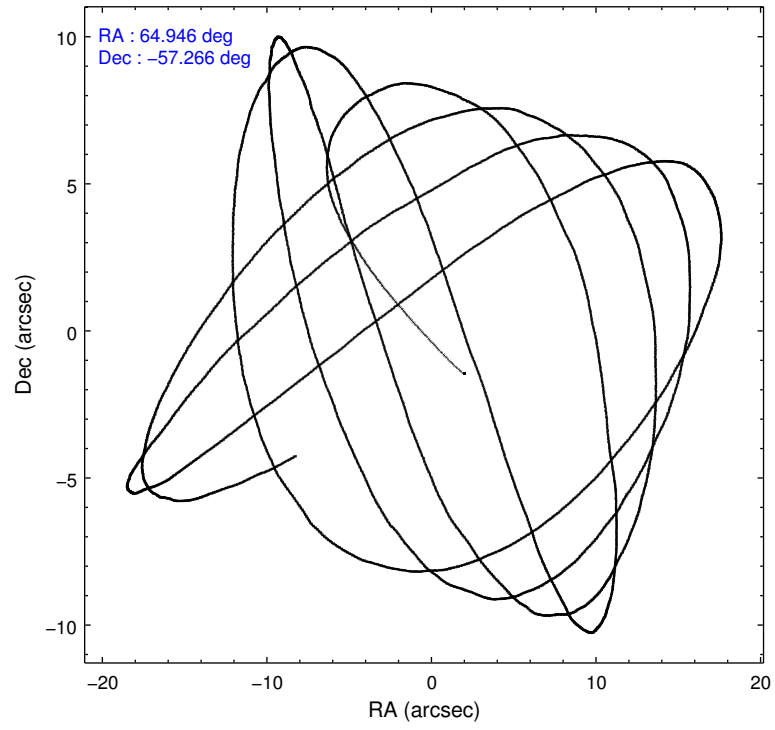
2.1.4 Events

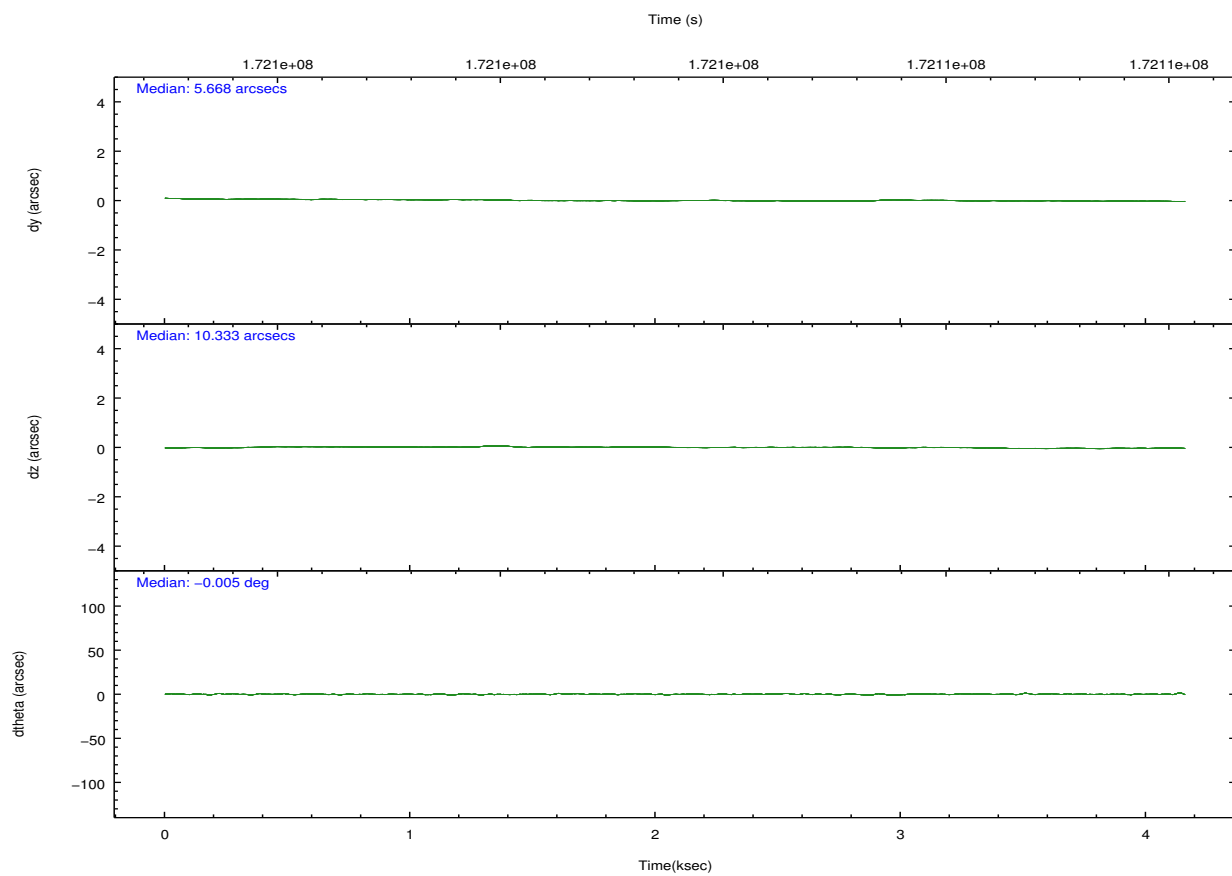
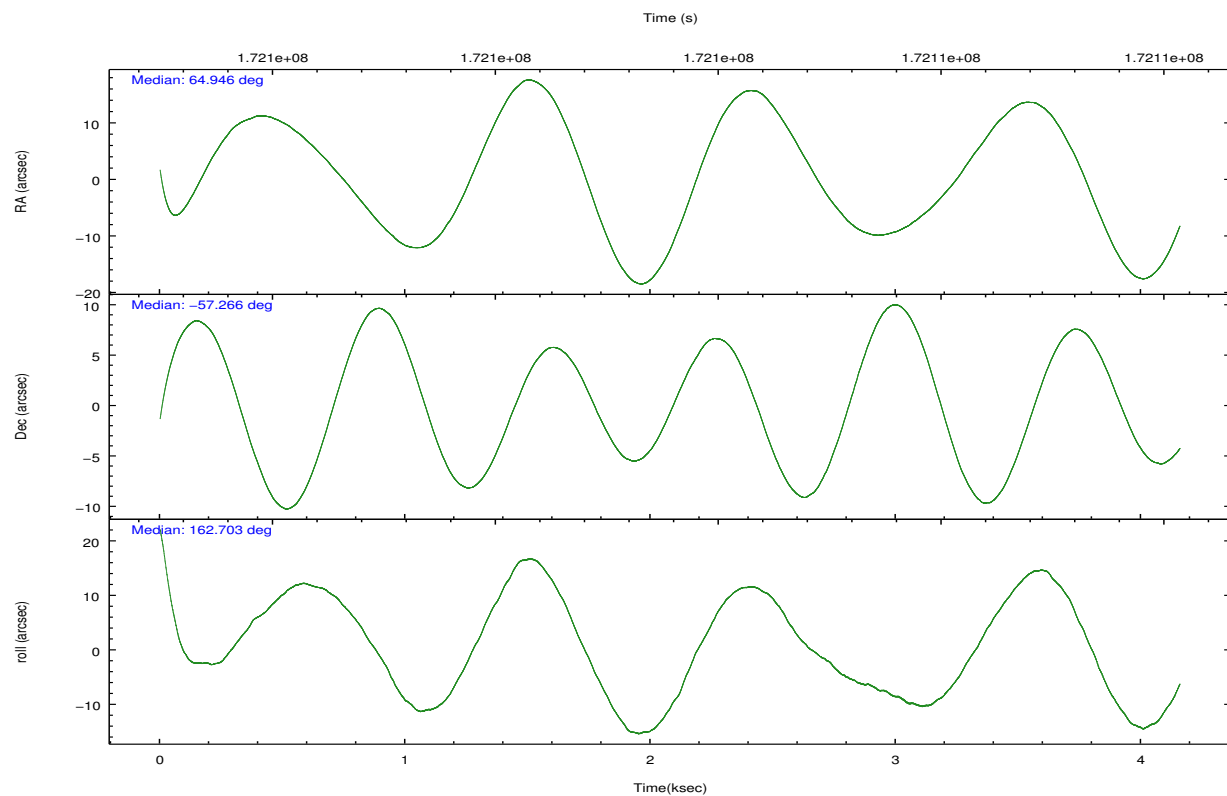
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	27124	24711	38660	25719	34634	32257	grade 0 events	1380	1305	2565	1434	1449	2320
rejected events	24082	21710	20106	22470	19960	25066		5%	5%	6%	5%	4%	7%
rejected %	88%	87%	52%	87%	57%	77%	grade 1 events	13	12	95	13	25	23
								0%	0%	0%	0%	0%	0%
							grade 2 events	588	585	5204	640	2876	1579
								2%	2%	13%	2%	8%	4%
							grade 3 events	286	286	900	286	1230	750
								1%	1%	2%	1%	3%	2%
							grade 4 events	302	308	822	284	1285	703
								1%	1%	2%	1%	3%	2%
							grade 5 events	1006	1128	2946	1163	3212	1521
								3%	4%	7%	4%	9%	4%
							grade 6 events	491	522	9079	608	7842	1839
								1%	2%	23%	2%	22%	5%
							grade 7 events	23058	20565	17049	21291	16715	23522
								85%	83%	44%	82%	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	64.995157	64.94610120237896	Subarray requested	NONE	NONE
[deg] Pointing Dec	-57.259509	-57.2658432486255	Alternating exposures requested	N	N
[deg] Pointing Roll	162.592160	162.707558452667	[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)	172102864.184000	172101865.73399			
Observation start date	2003-06-15T22:20:00	2003-06-15T22:04:25			
[s] Observation end time (MET)	172106864.184000	172107609.32174			
Observation end date	2003-06-15T23:26:40	2003-06-15T23:40:09			
Read mode	TIMED	TIMED			

2.3 Aspect



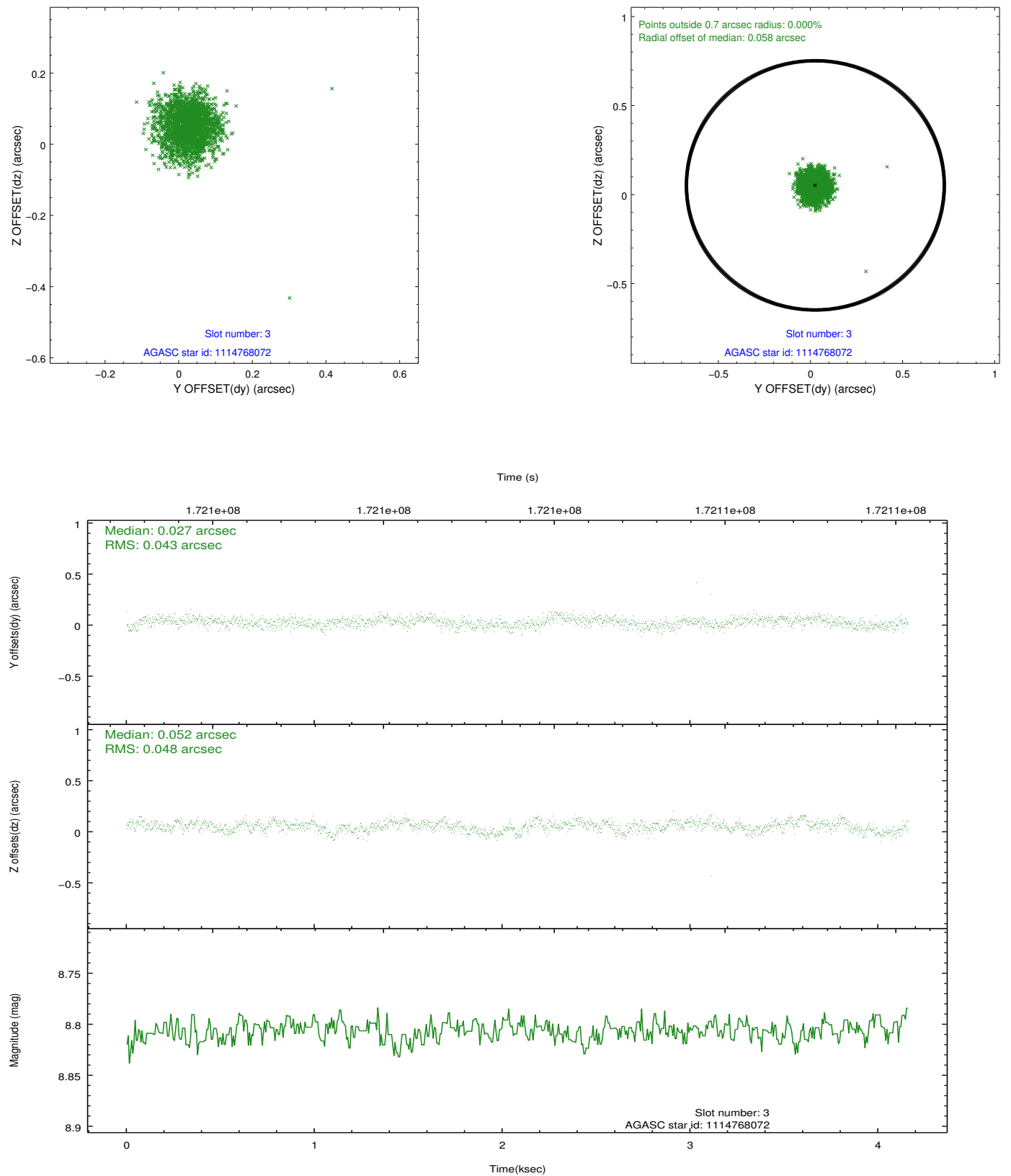


Slot Statistics

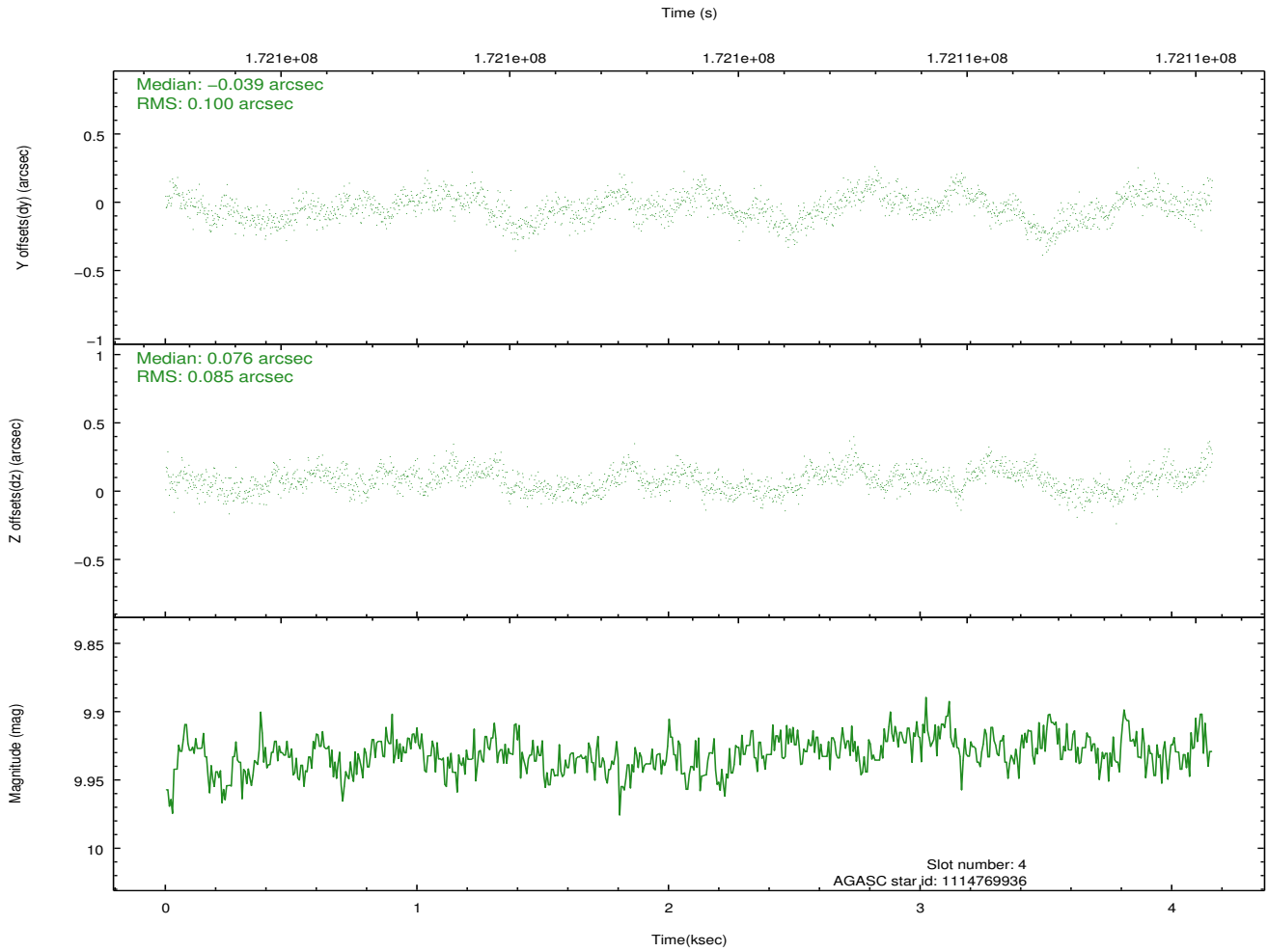
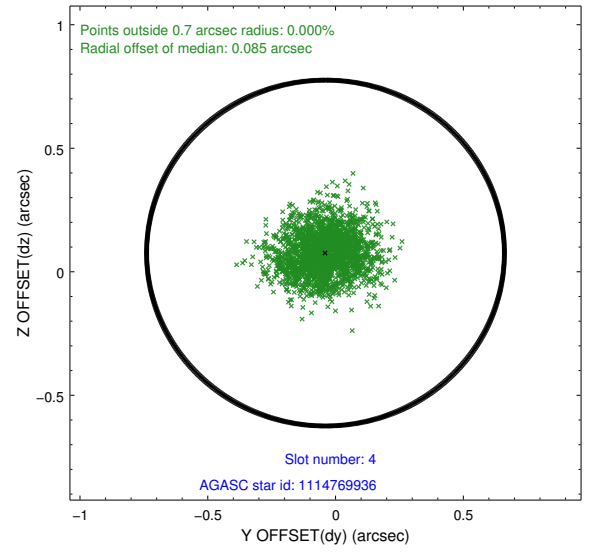
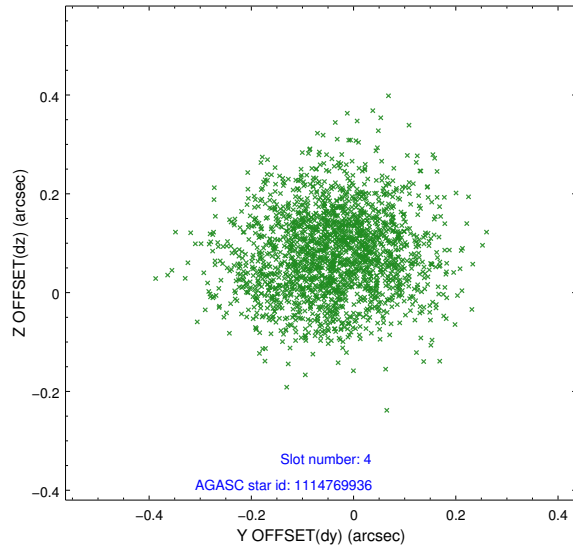
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1015	-0.061	-0.006	0.006	0.010	0.000000	0.000000	-758.43	-1731.55
1	FID	ACIS-S-4	7.20	1015	0.064	0.031	0.006	0.011	0.000000	0.000000	2154.27	175.47
2	FID	ACIS-S-5	7.23	1015	-0.034	-0.016	0.007	0.012	0.000000	0.000000	-1809.35	170.73
3	GUIDE	1114768072	8.81	2028	0.027	0.052	0.068	0.107	64.525397	-56.997106	1160.83	-622.37
4	GUIDE	1114769936	9.93	2029	-0.039	0.076	0.141	0.230	64.303941	-57.054553	1510.74	-292.56
5	GUIDE	1114770112	7.94	2030	0.016	0.039	0.066	0.107	66.028764	-57.253162	-1917.33	-609.41
6	GUIDE	1114771808	9.82	2029	0.022	0.059	0.102	0.170	65.495504	-57.178479	-846.13	-567.05
7	GUIDE	1115163520	9.45	2028	-0.019	-0.221	0.124	0.191	64.336336	-57.819703	599.73	2307.96

2.4 Star Slots

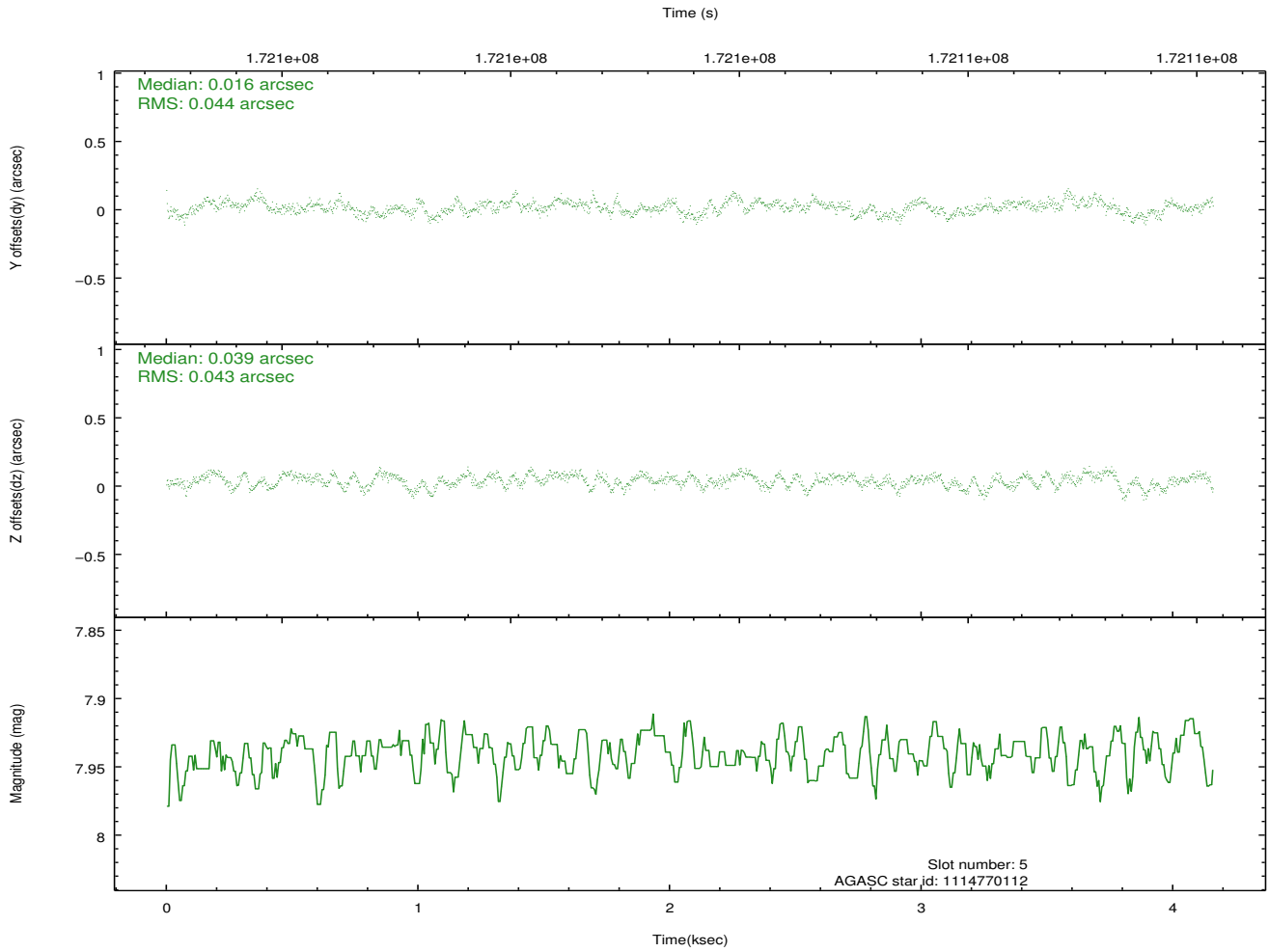
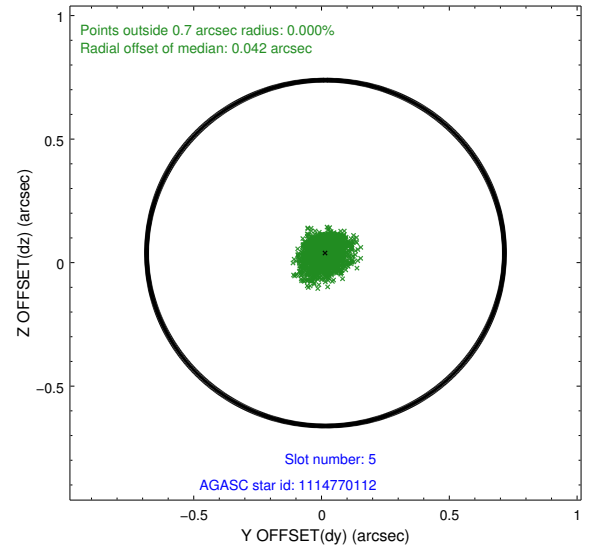
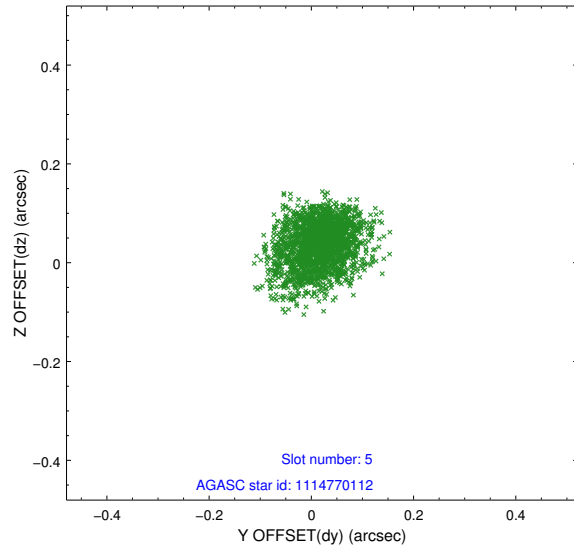
2.4.1 Slot 3



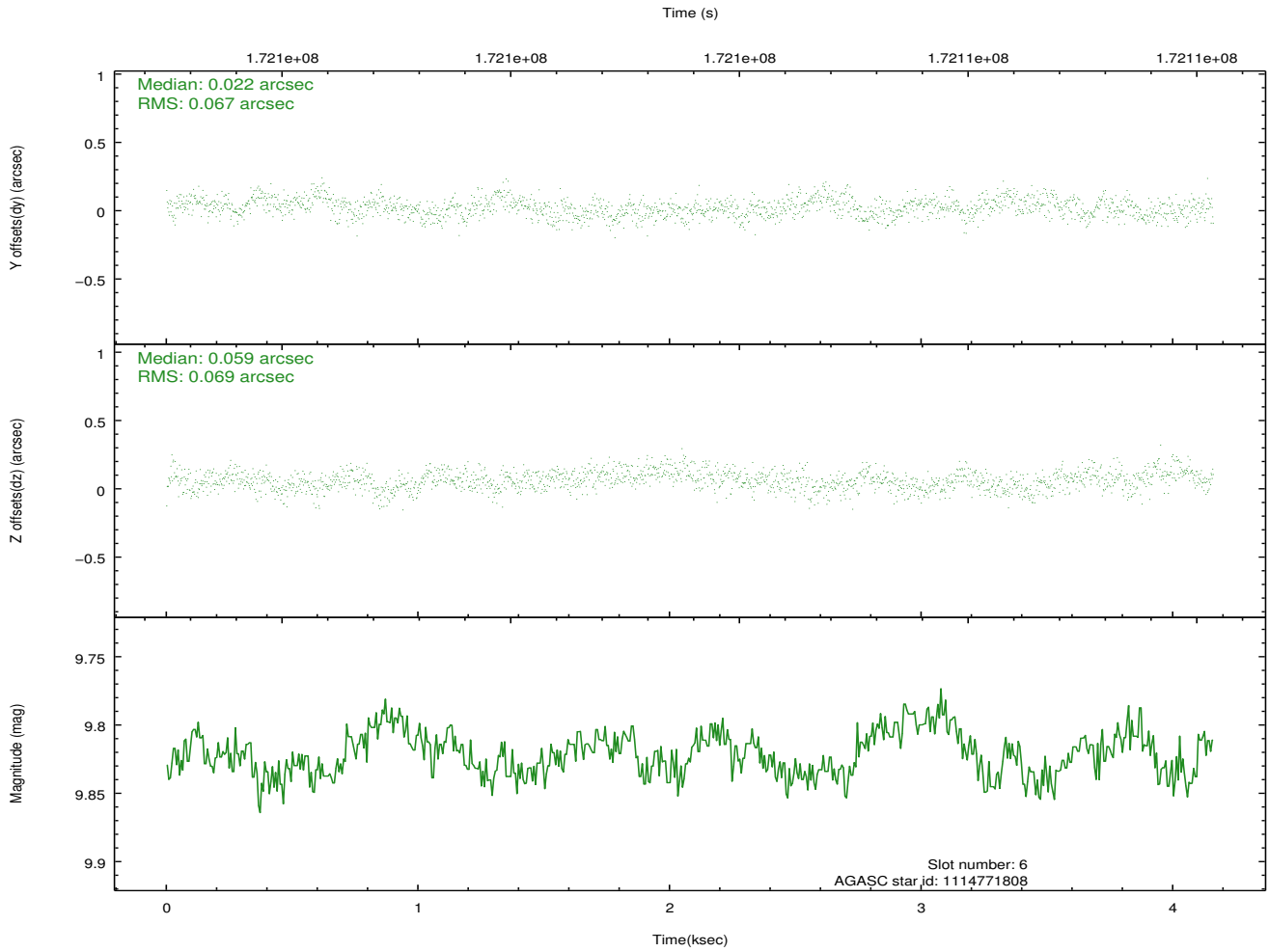
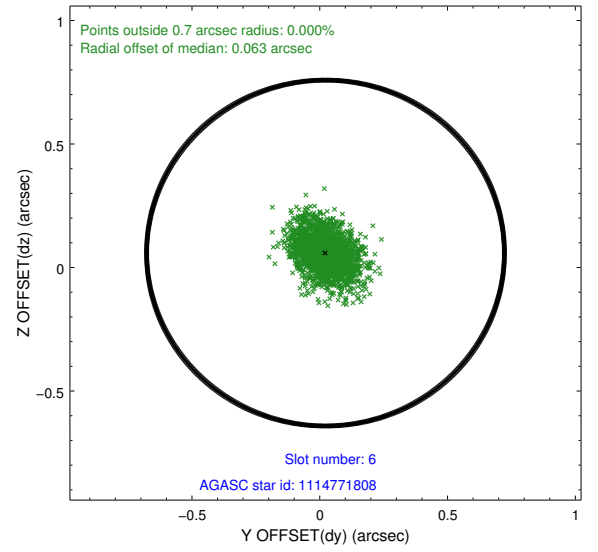
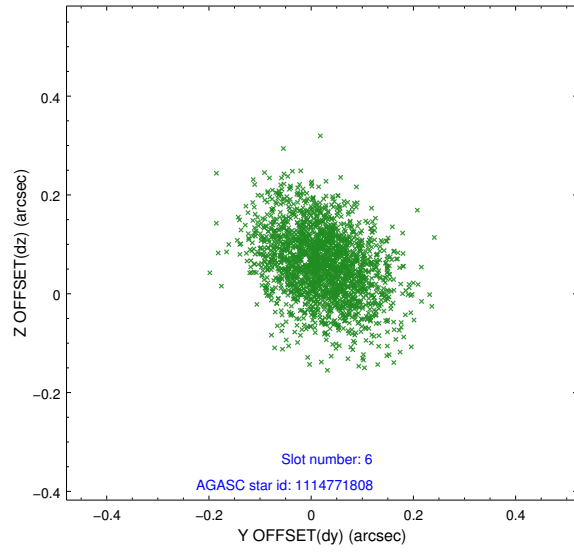
2.4.2 Slot 4



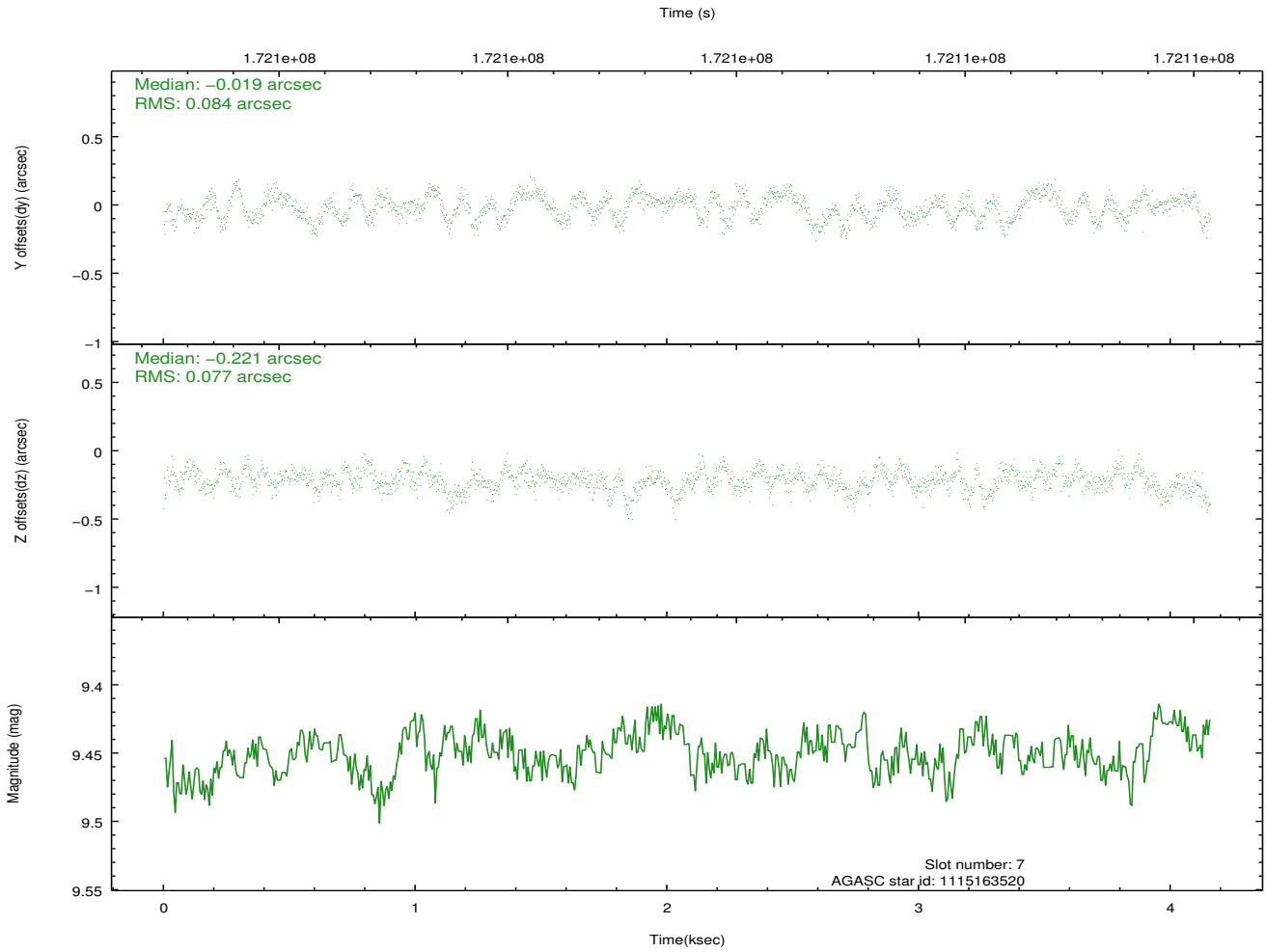
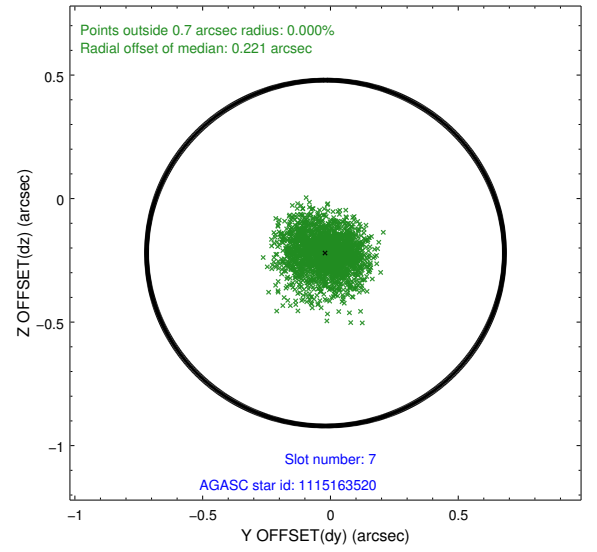
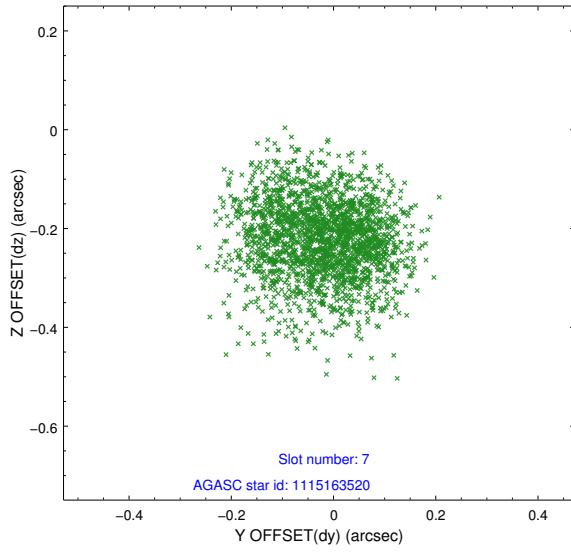
2.4.3 Slot 5



2.4.4 Slot 6

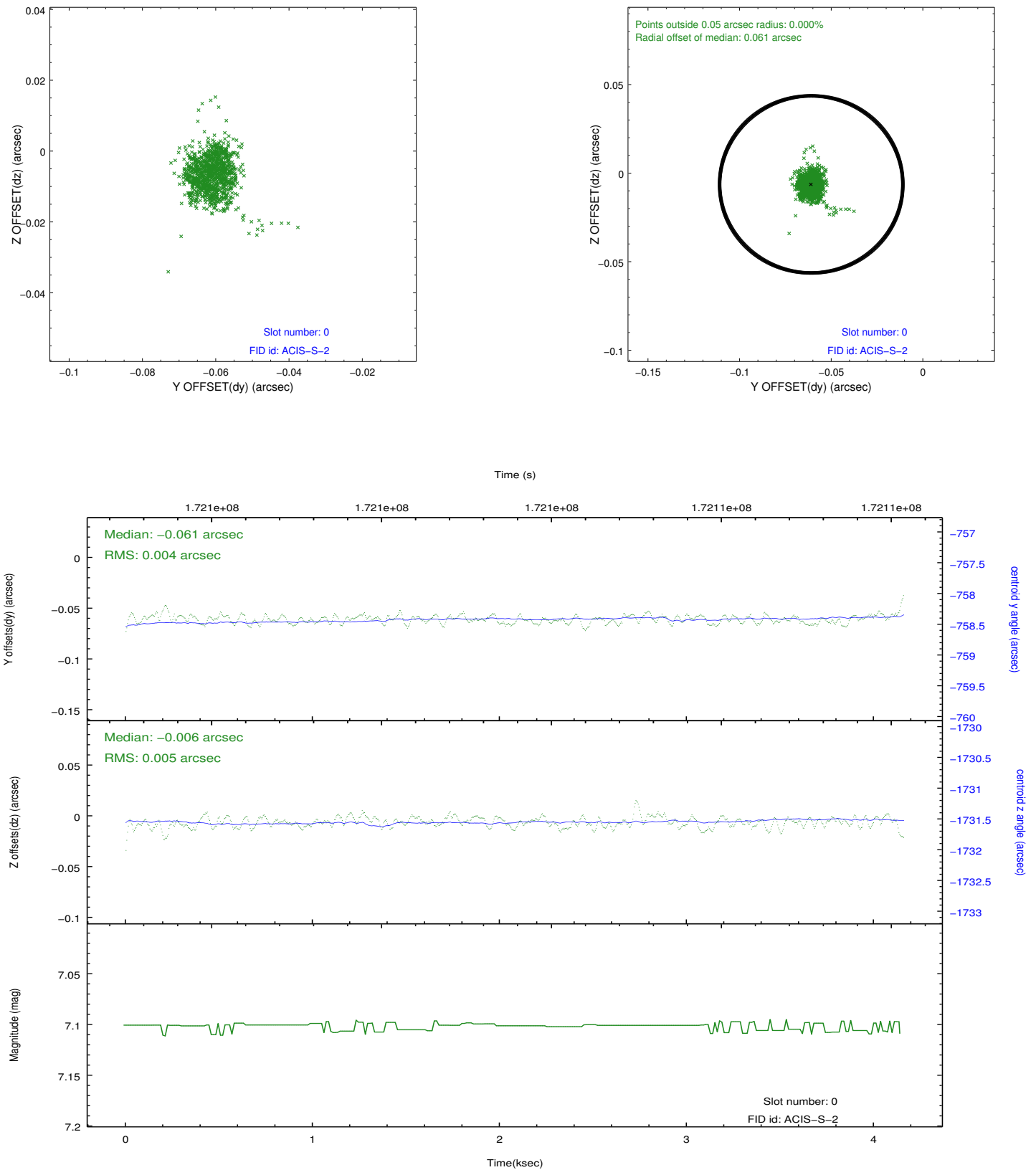


2.4.5 Slot 7

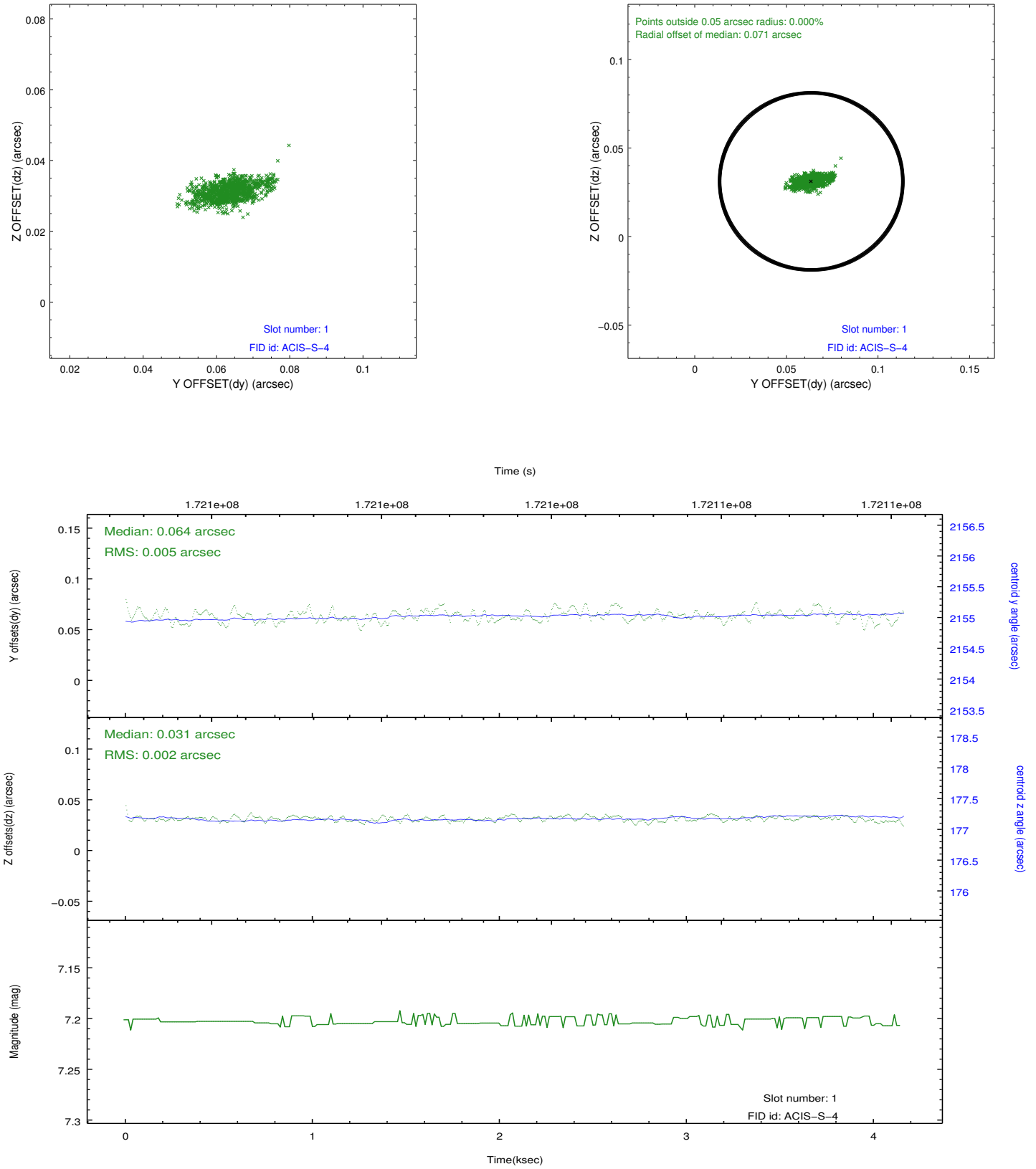


2.5 FID Slots

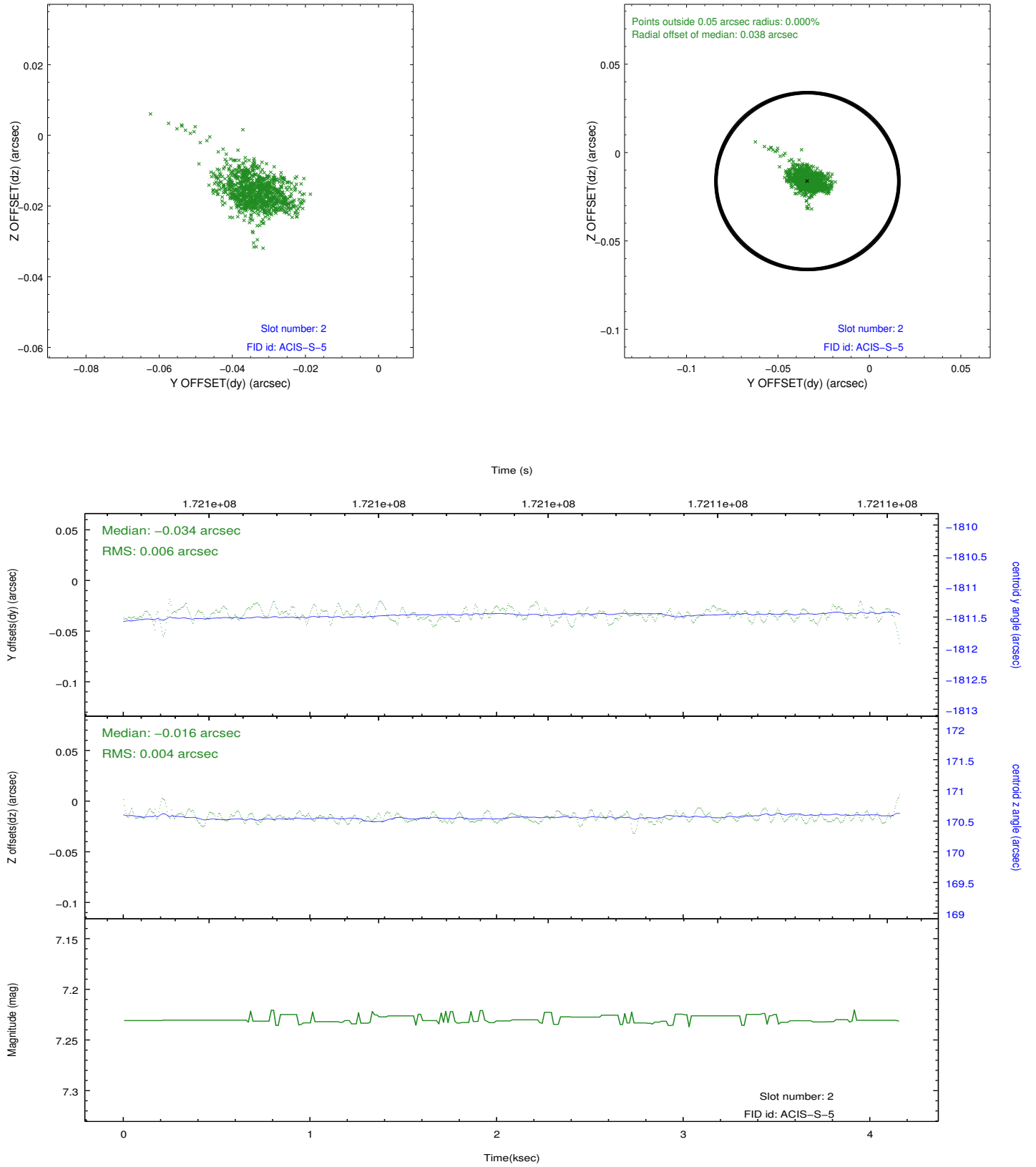
2.5.1 Slot 0



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)	2012.11.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.038

A.2 Comments