

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4064 - L2 Version 3
Chandra X-Ray Center

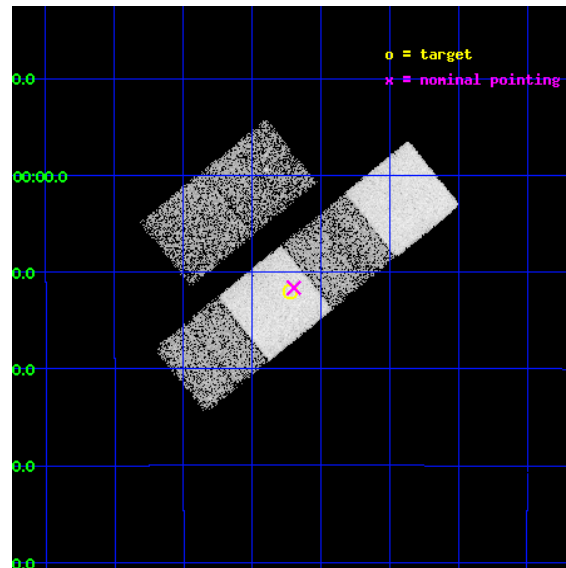
L2 Processing Date : Oct 29 2012

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

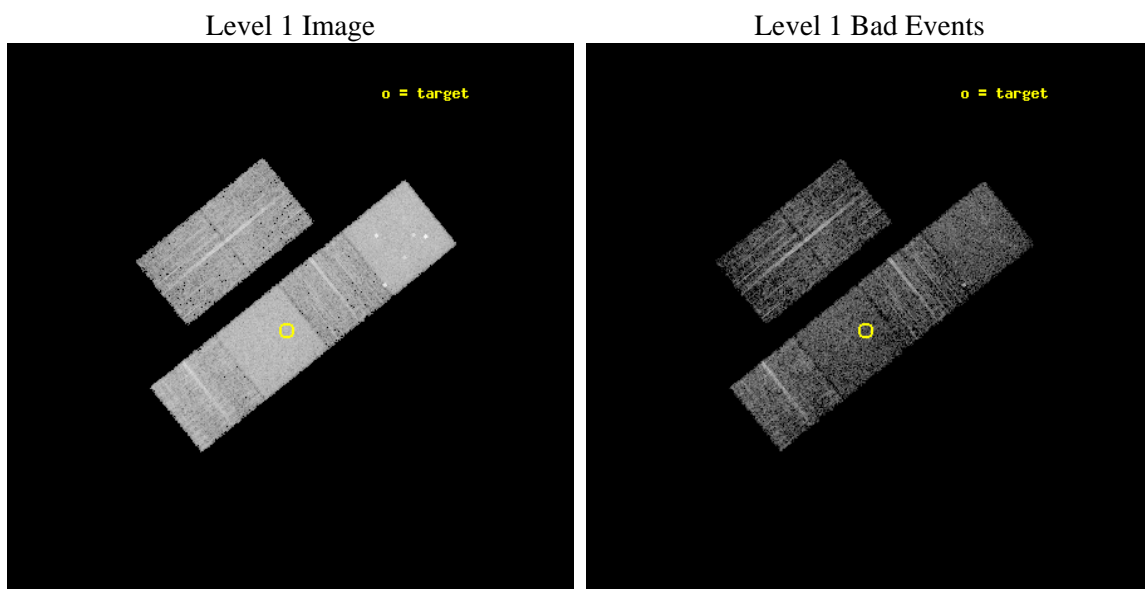
seq_num	700743	Sequence number
obs_id	4064	Observation id
title	A CHANDRA SURVEY OF THE MOST LUMINOUS QUASARS AT $Z > 4$	Proposal titl
observer	Dr Cristian Vignali	Principal investigator
object	BR 0331-1622	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	53.555833	Observer's specified target RA [deg]
dec_targ	-16.201333	Observer's specified target Dec [deg]
ra_nom	53.549275095469	Nominal RA [deg]
dec_nom	-16.194056282557	Nominal Dec [deg]
roll_nom	141.10190494273	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4729.5999823809	Sum of GTIs [s]
livetime	4669.7109395808	Livetime [s]
ontime2	4726.3590221107	Sum of GTIs [s]
ontime3	4729.5999823809	Sum of GTIs [s]
ontime5	4729.5999823809	Sum of GTIs [s]
ontime6	4726.358992219	Sum of GTIs [s]
ontime7	4729.5999823809	Sum of GTIs [s]
ontime8	4726.3590120971	Sum of GTIs [s]
l2events	91054	Number of level 2 events



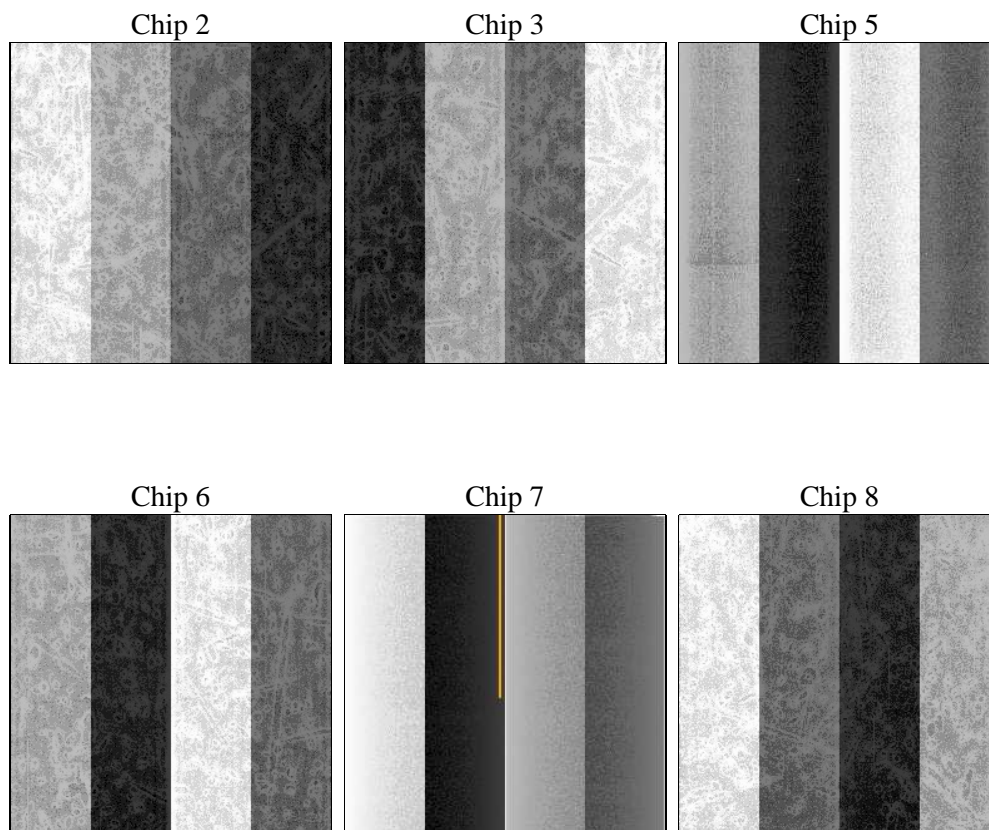
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4976.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4729.5999823809	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	4726.3590221107	Sum of GTIs [s]
date	2012-10-29T17:44:22	Date and time of file creation	ontime3	4729.5999823809	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4729.5999823809	Sum of GTIs [s]
			ontime6	4726.358992219	Sum of GTIs [s]
			ontime7	4729.5999823809	Sum of GTIs [s]
			ontime8	4726.3590120971	Sum of GTIs [s]
			l1events	255778	Number of level 1 events

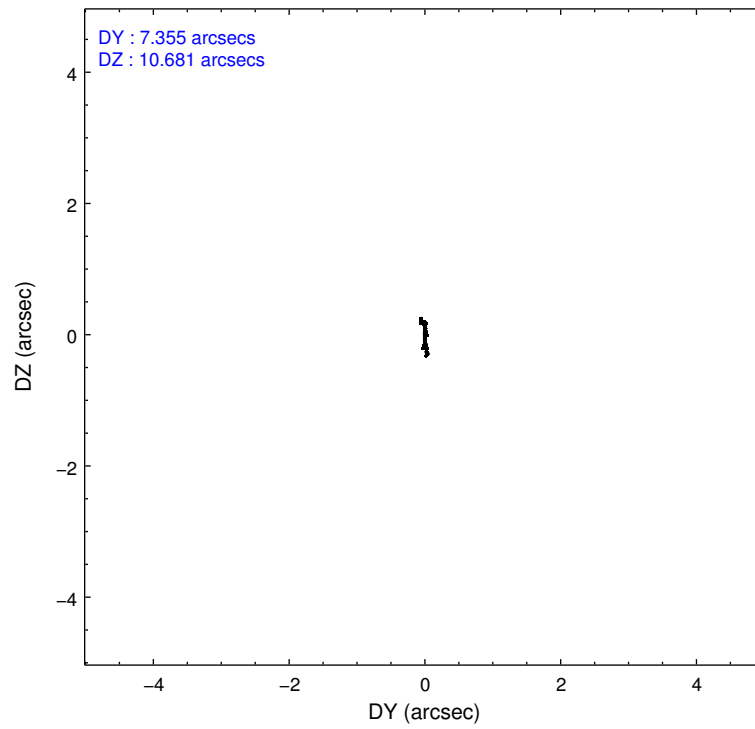
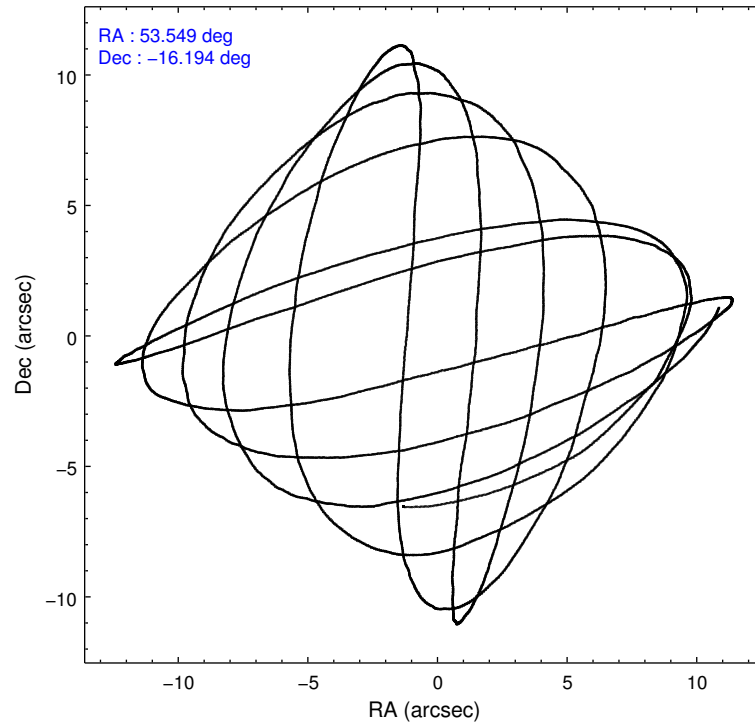
2.1.4 Events

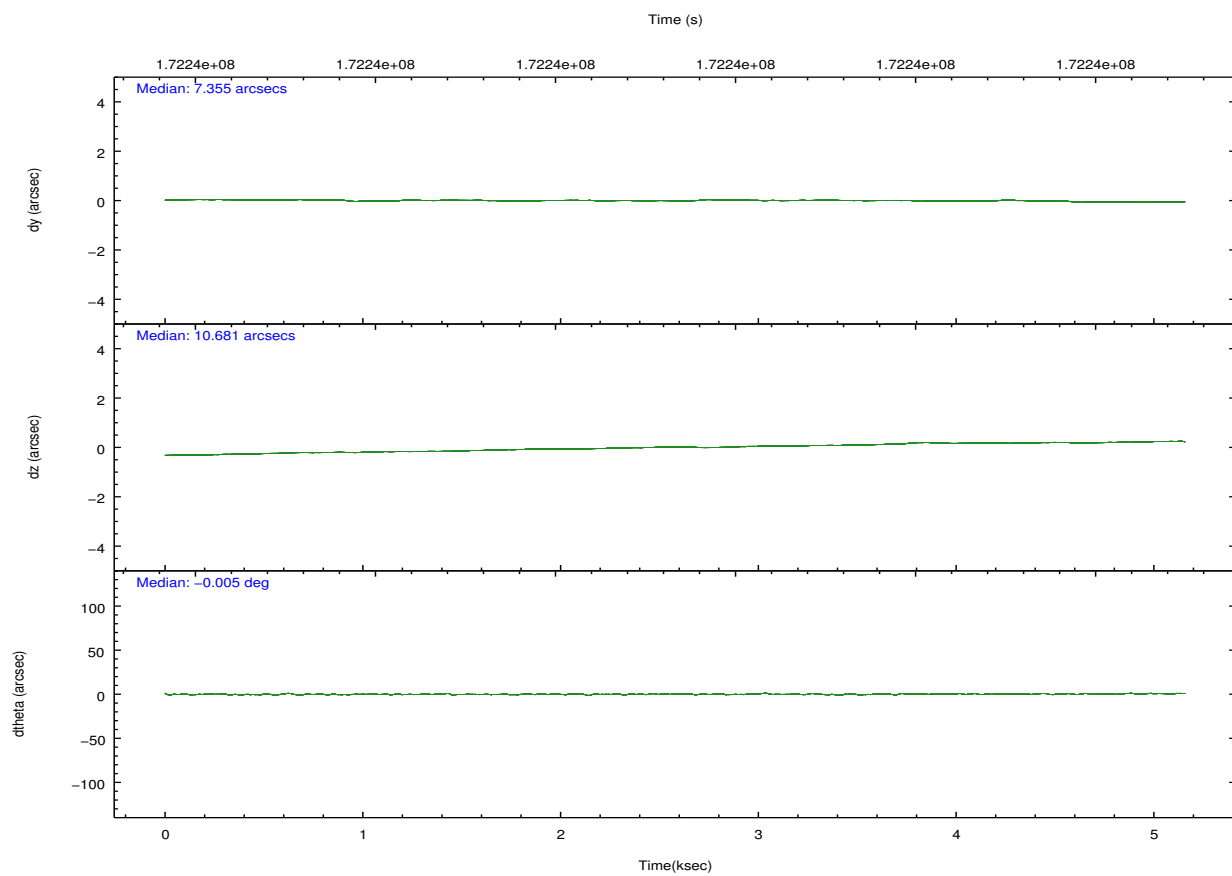
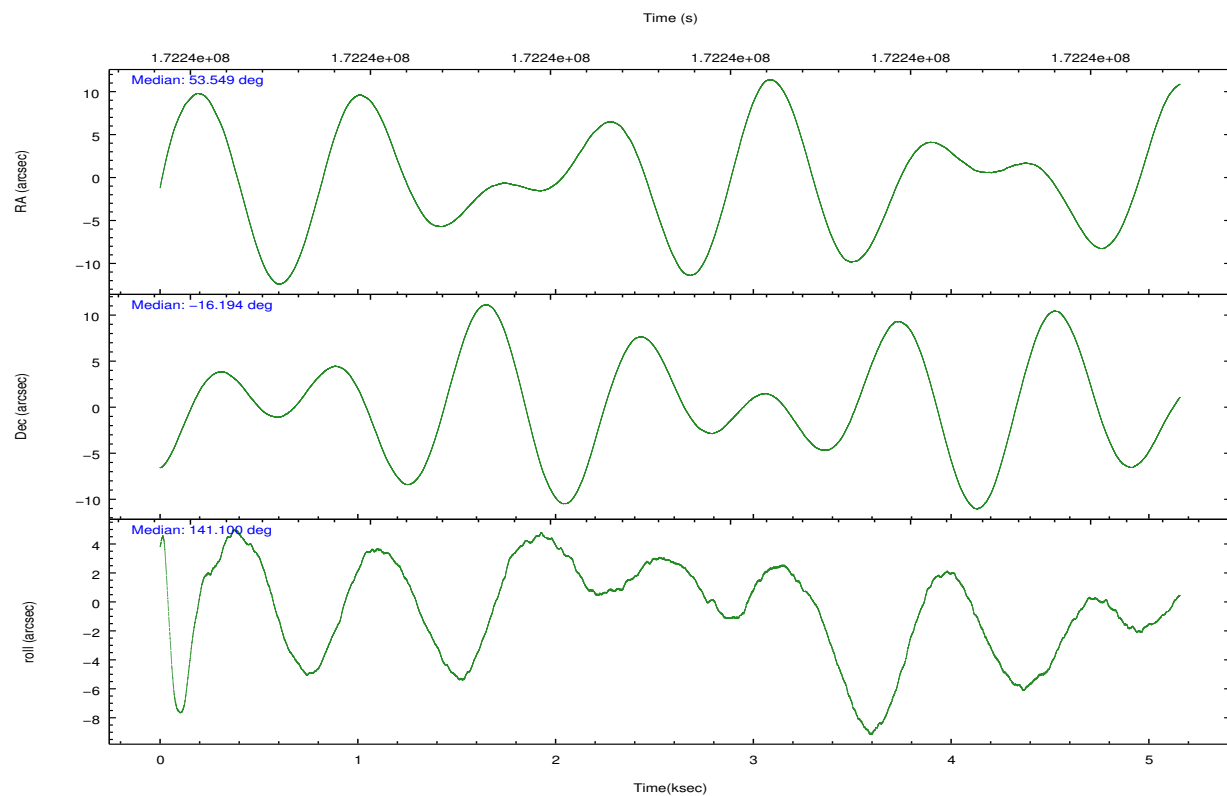
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	30688	28805	63733	33525	56999	42028	grade 0 events	3058	2895	6271	3751	3606	5074
rejected events	25295	23709	24920	27069	22821	30957		9%	10%	9%	11%	6%	12%
rejected %	82%	82%	39%	80%	40%	73%	grade 1 events	31	29	177	17	64	28
								0%	0%	0%	0%	0%	0%
							grade 2 events	959	885	10876	1164	6255	2056
								3%	3%	17%	3%	10%	4%
							grade 3 events	384	370	2012	393	2756	938
								1%	1%	3%	1%	4%	2%
							grade 4 events	382	334	2006	383	2782	919
								1%	1%	3%	1%	4%	2%
							grade 5 events	1142	1204	3413	1310	3788	1654
								3%	4%	5%	3%	6%	3%
							grade 6 events	614	615	17676	772	18801	2100
								2%	2%	27%	2%	32%	4%
							grade 7 events	24118	22473	21302	25735	18947	29259
								78%	78%	33%	76%	33%	69%

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	53.577295	53.54927509546916	Subarray requested	NONE	NONE
[deg] Pointing Dec	-16.197882	-16.19405628255732	Alternating exposures requested	N	N
[deg] Pointing Roll	140.953066	141.101904942728	[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)	172237270.184000	172236629.15222			
Observation start date	2003-06-17T11:40:06	2003-06-17T11:30:29			
[s] Observation end time (MET)	172242246.184000	172242785.81498			
Observation end date	2003-06-17T13:03:02	2003-06-17T13:13:05			
Read mode	TIMED	TIMED			

2.3 Aspect



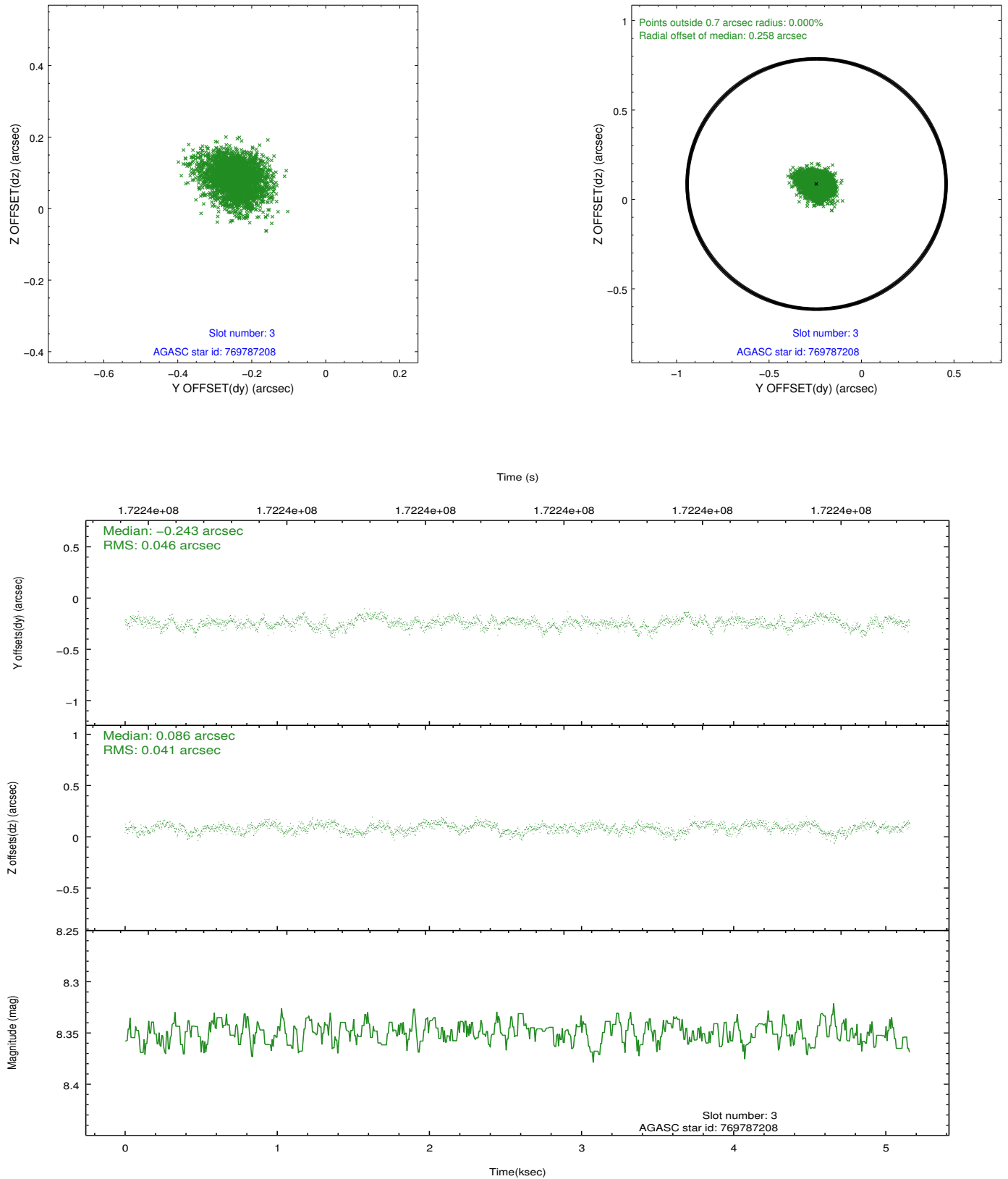


Slot Statistics

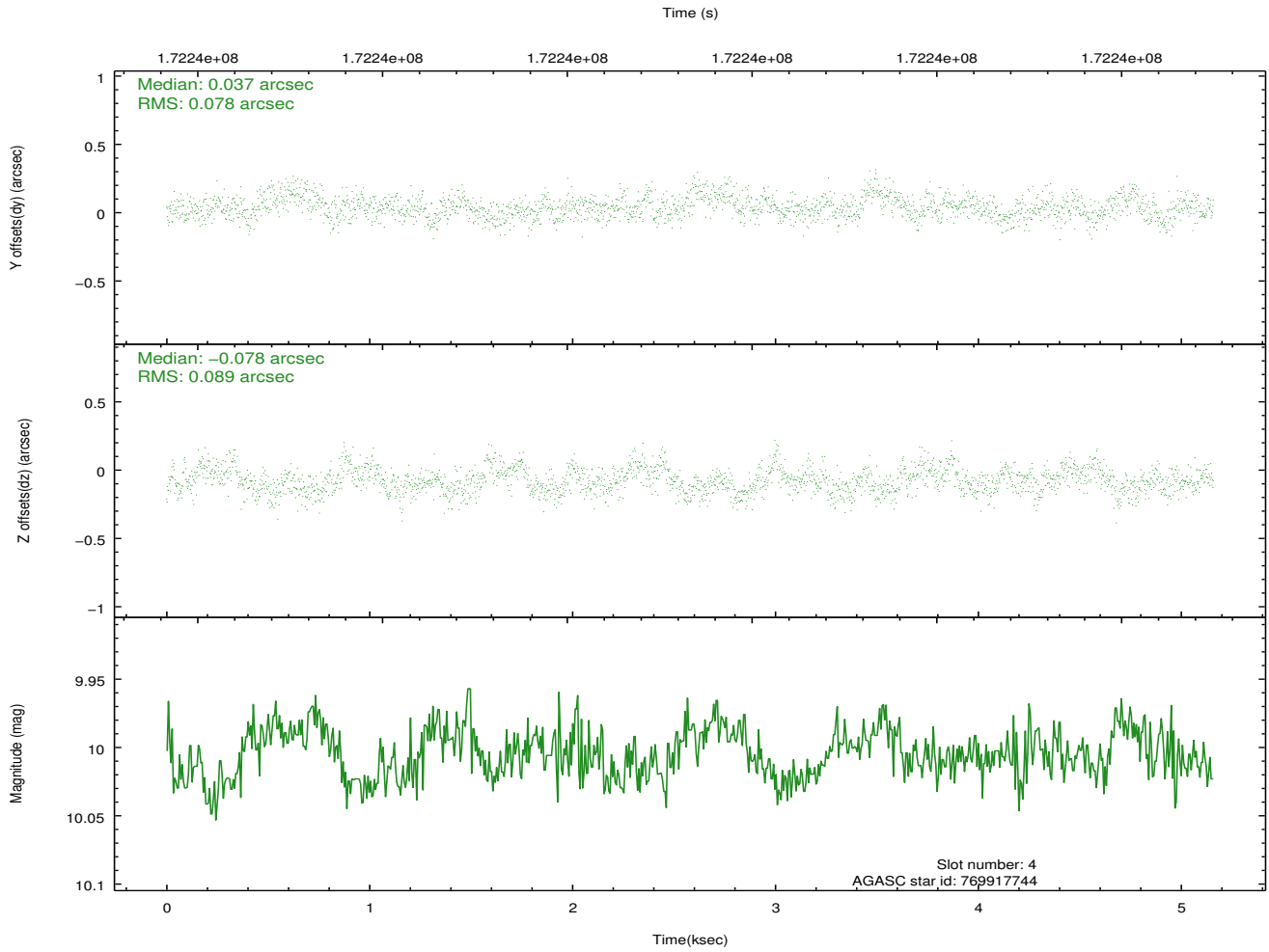
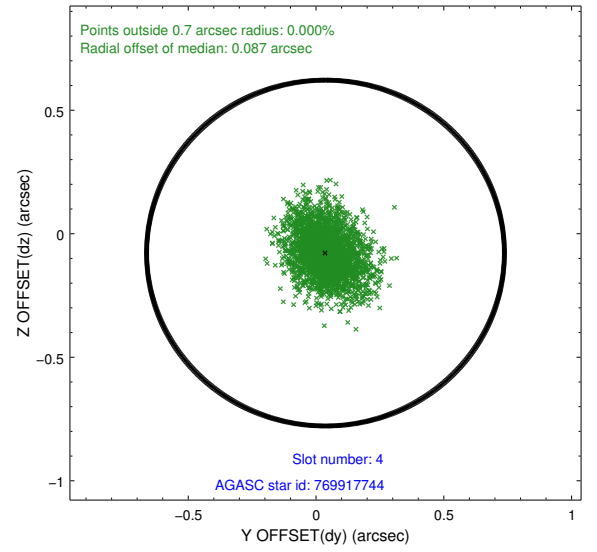
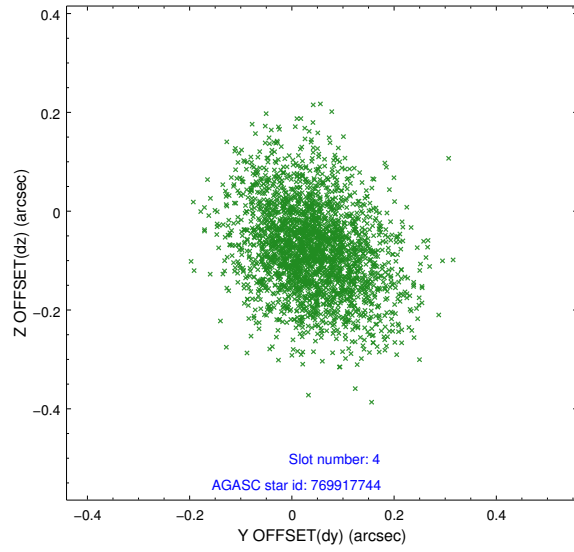
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.35	1258	-0.039	-0.008	0.007	0.011	0.000000	0.000000	-760.11	-1731.96
1	FID	ACIS-S-4	7.21	1258	0.045	0.021	0.005	0.010	0.000000	0.000000	2152.67	175.40
2	FID	ACIS-S-5	7.23	1258	-0.037	-0.004	0.006	0.011	0.000000	0.000000	-1811.48	170.30
3	GUIDE	769787208	8.35	2517	-0.243	0.086	0.065	0.106	53.303878	-15.548215	2209.89	-1218.17
4	GUIDE	769917744	10.00	2515	0.037	-0.078	0.126	0.213	53.603600	-15.606723	1270.88	-1710.73
5	GUIDE	769919616	9.50	2511	-0.016	-0.095	0.082	0.132	53.522177	-15.829784	984.19	-909.32
6	GUIDE	769920224	8.83	2513	0.052	0.029	0.070	0.117	53.734932	-16.068446	-129.01	-705.34
7	GUIDE	769918192	10.44	2516	0.168	0.058	0.165	0.275	54.475223	-16.141626	-2287.46	-2108.20

2.4 Star Slots

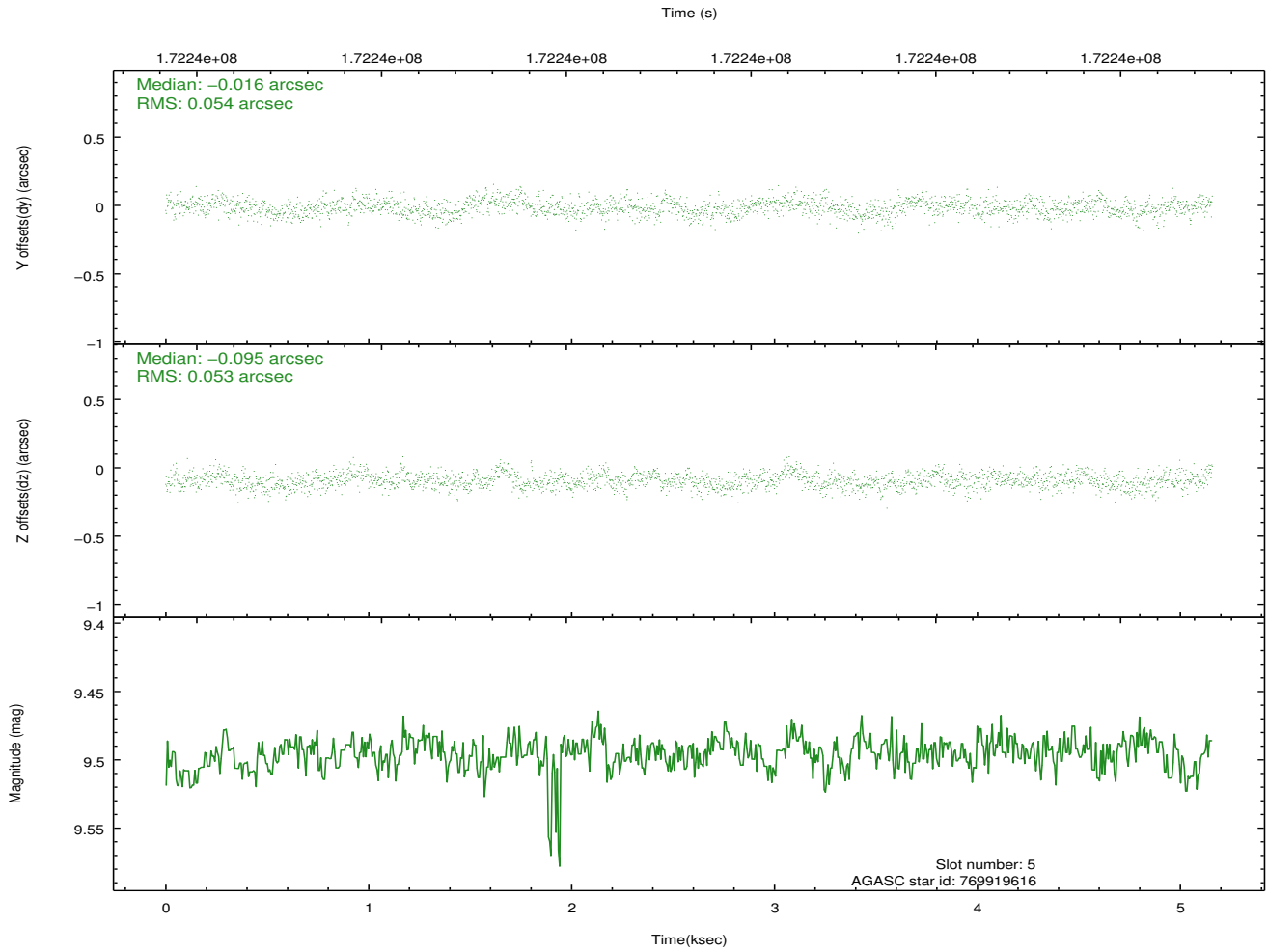
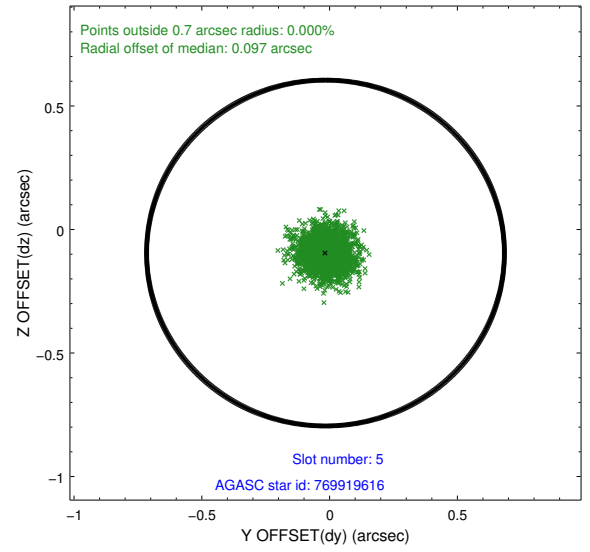
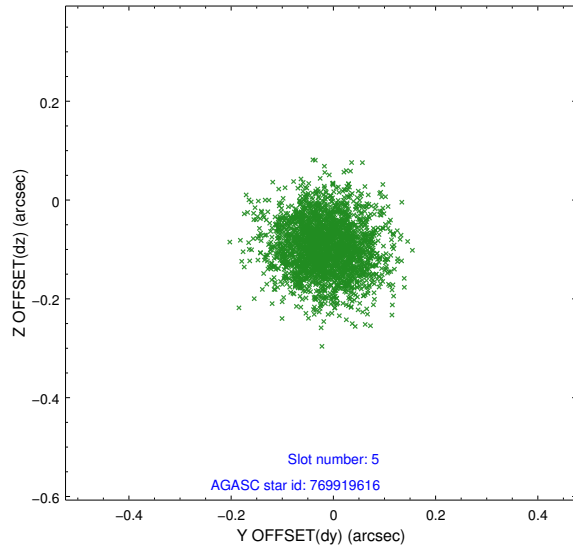
2.4.1 Slot 3



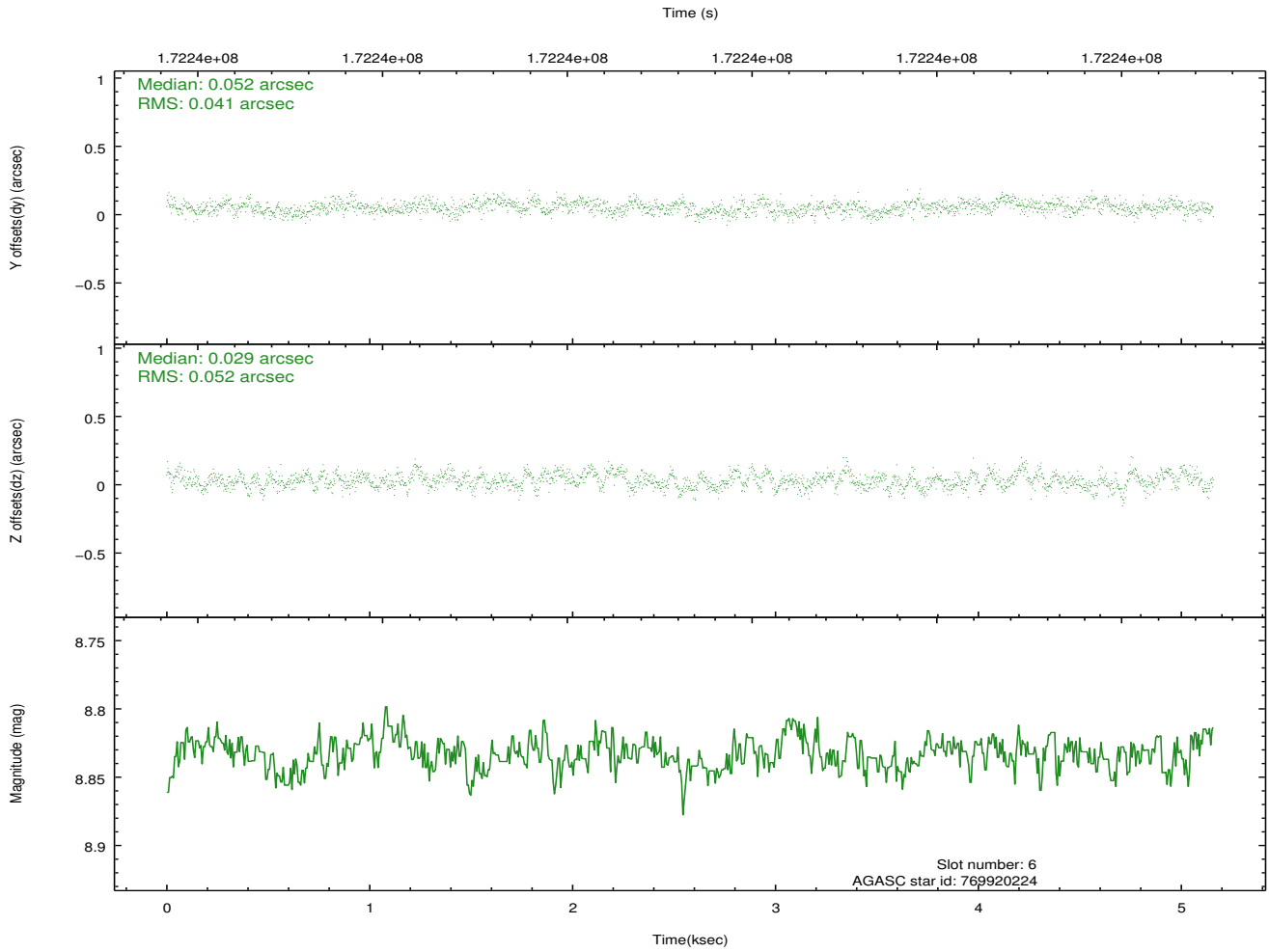
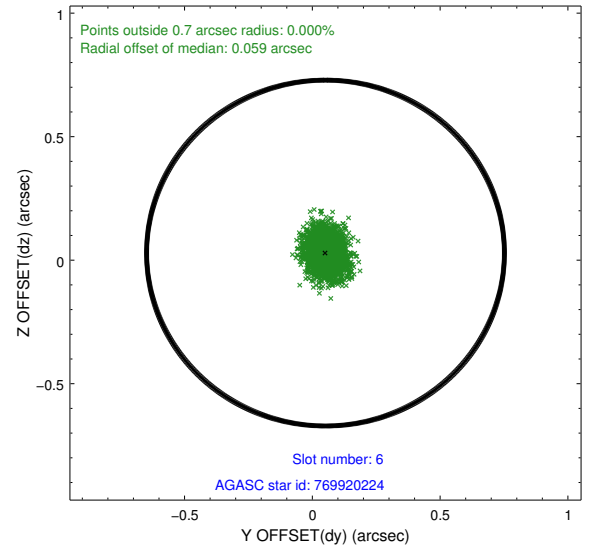
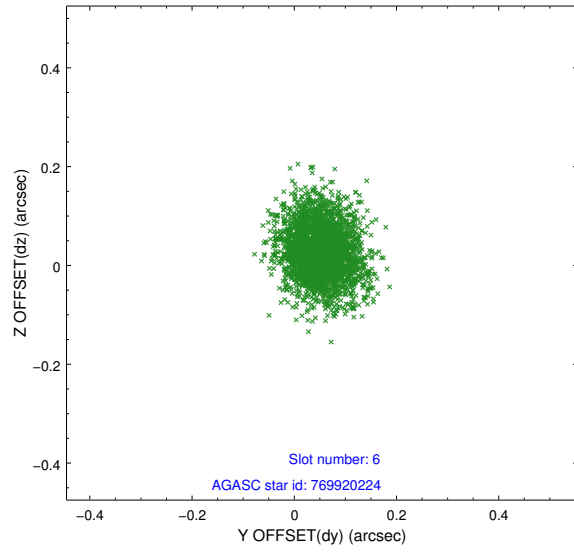
2.4.2 Slot 4



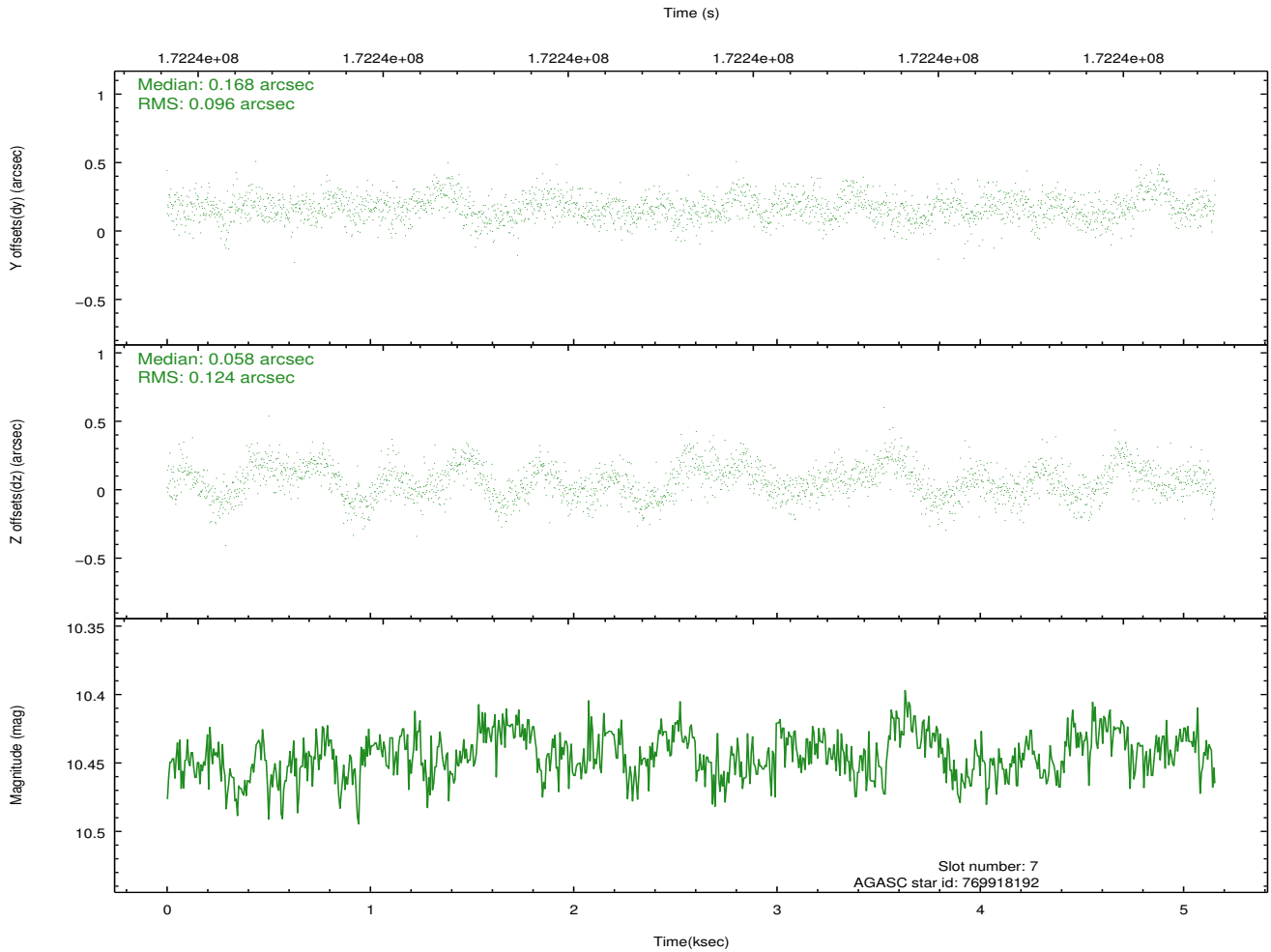
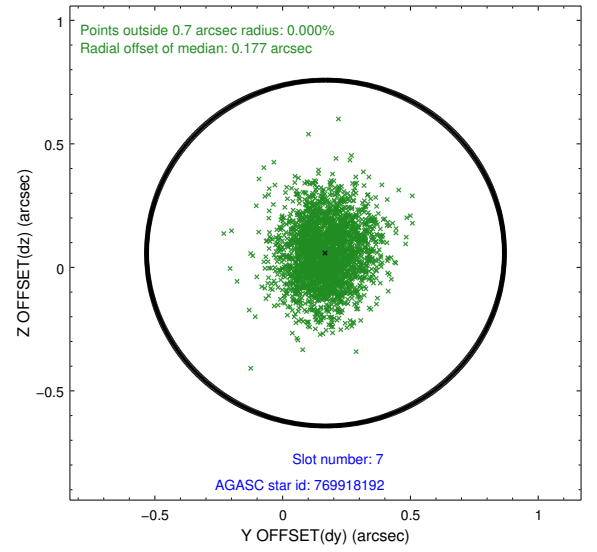
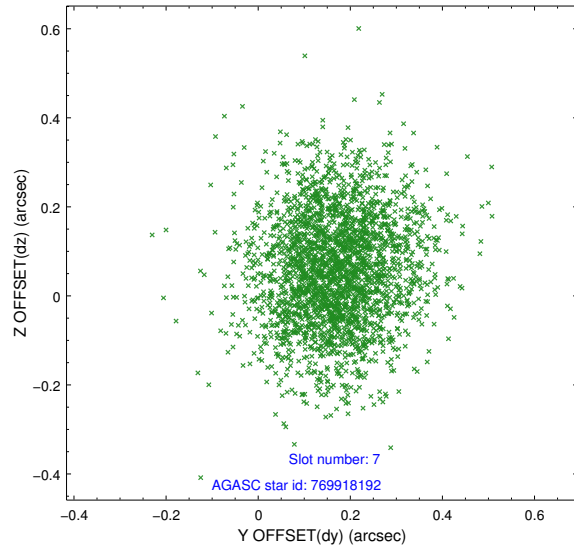
2.4.3 Slot 5



2.4.4 Slot 6

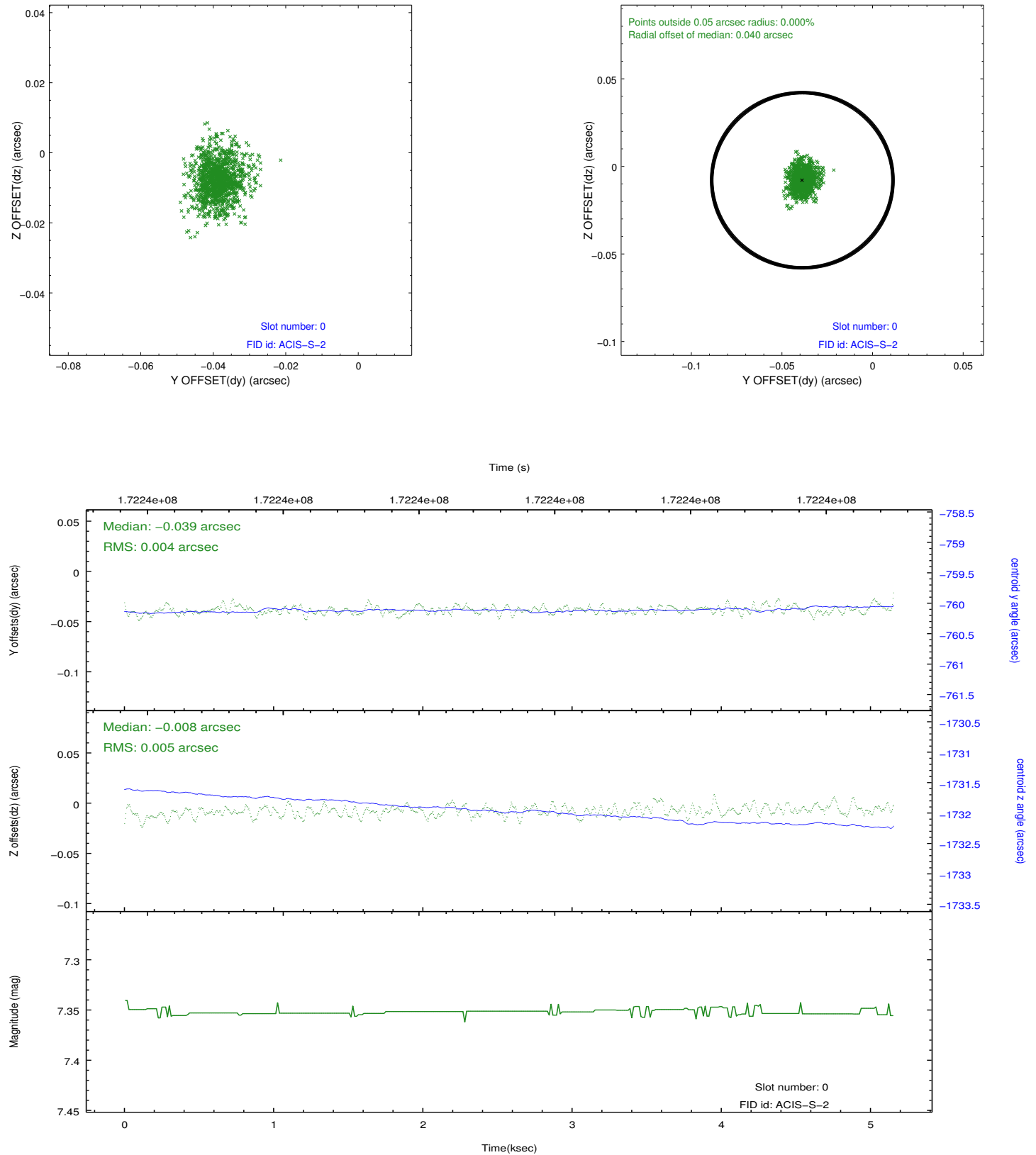


2.4.5 Slot 7

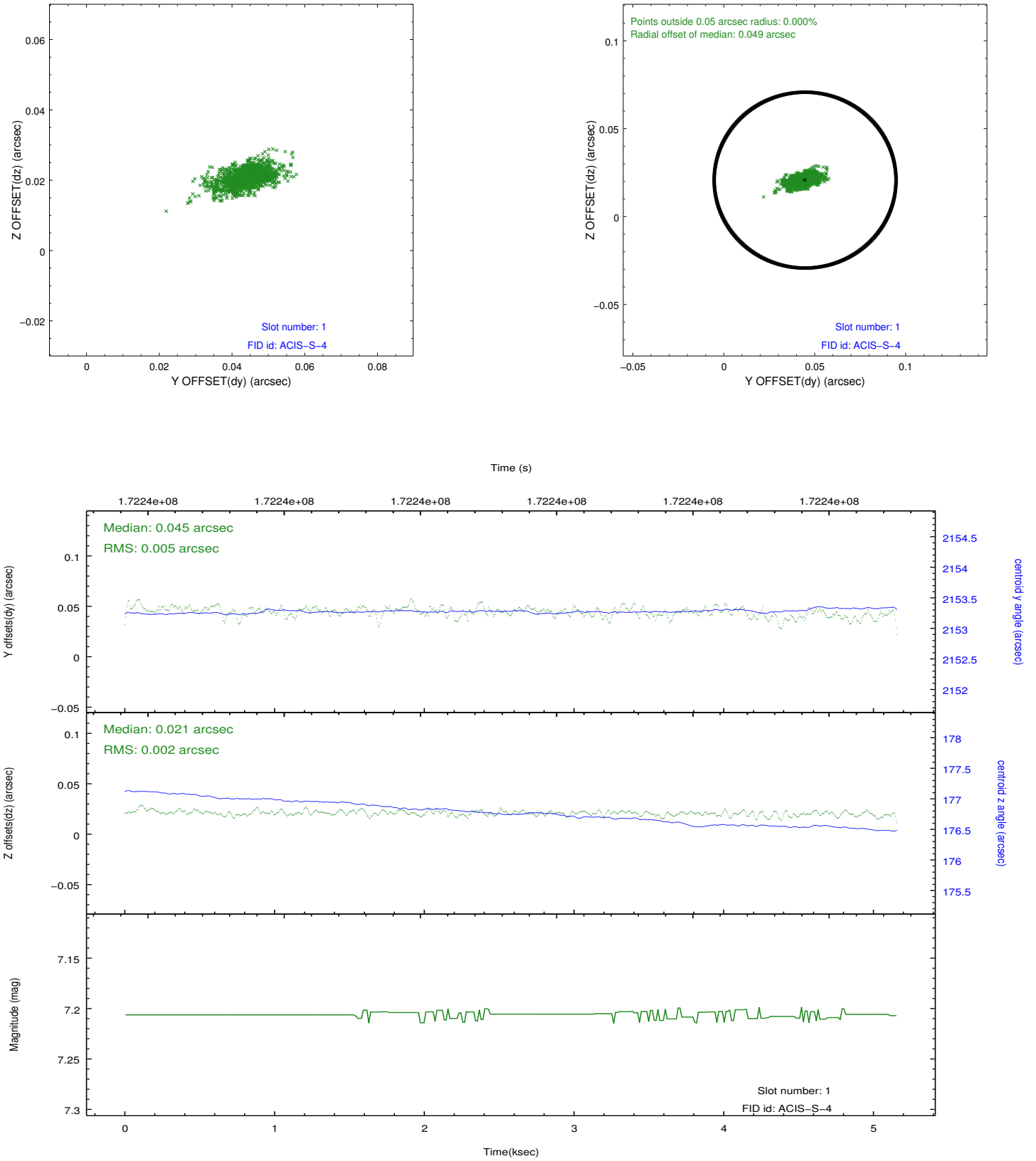


2.5 FID Slots

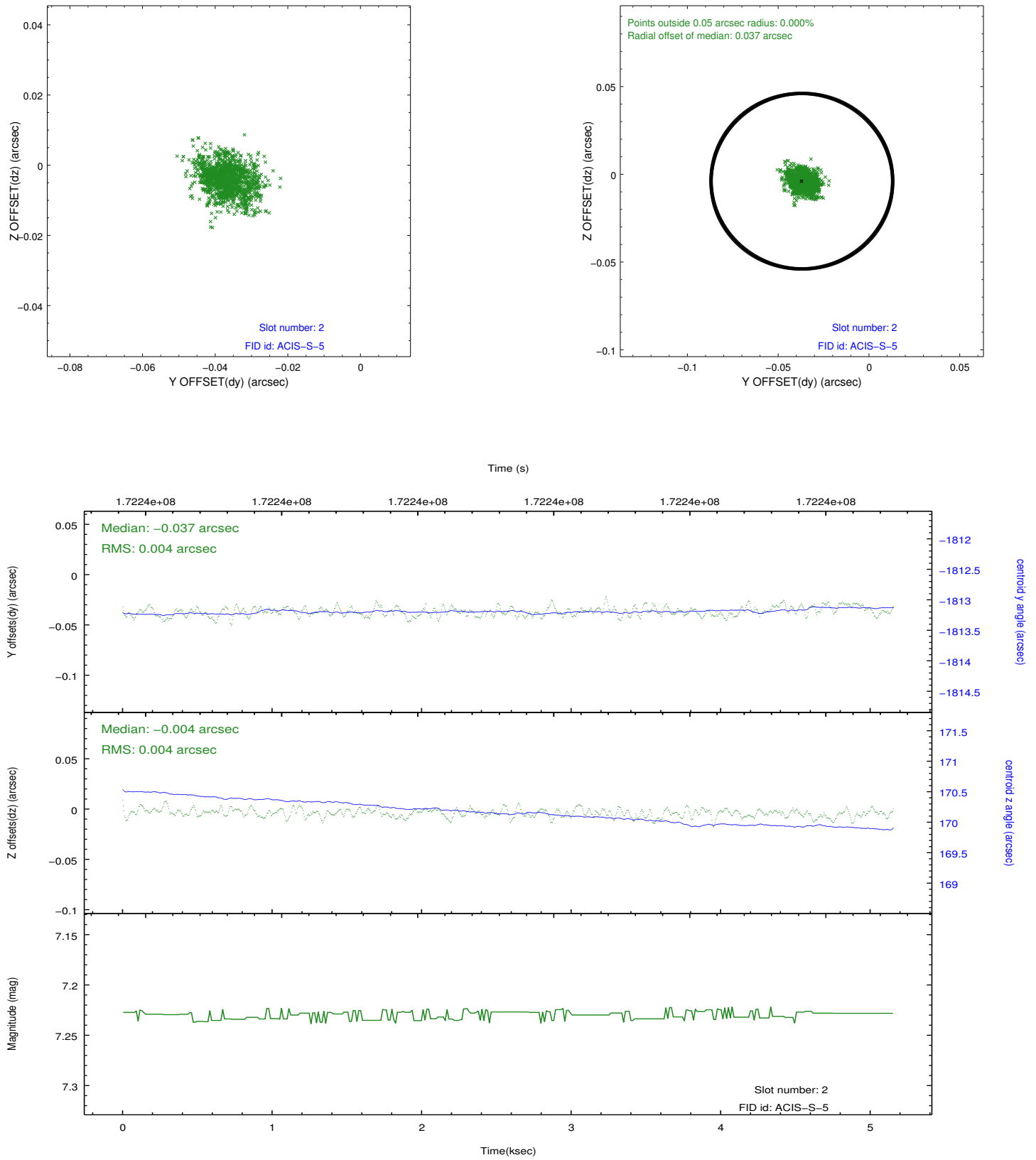
2.5.1 Slot 0



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	4.732

A.2 Comments