

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4764 - L2 Version 3
Chandra X-Ray Center

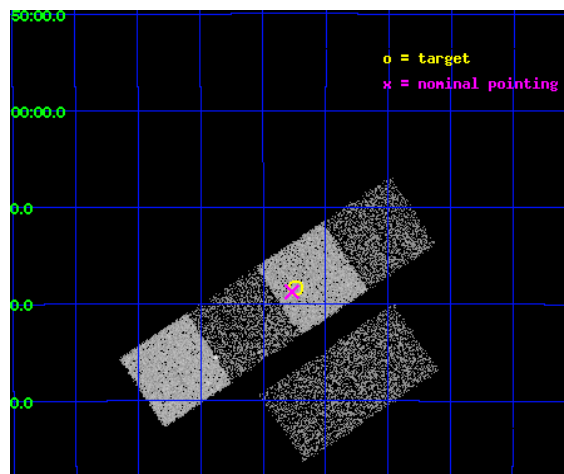
L2 Processing Date : Nov 9 2012

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

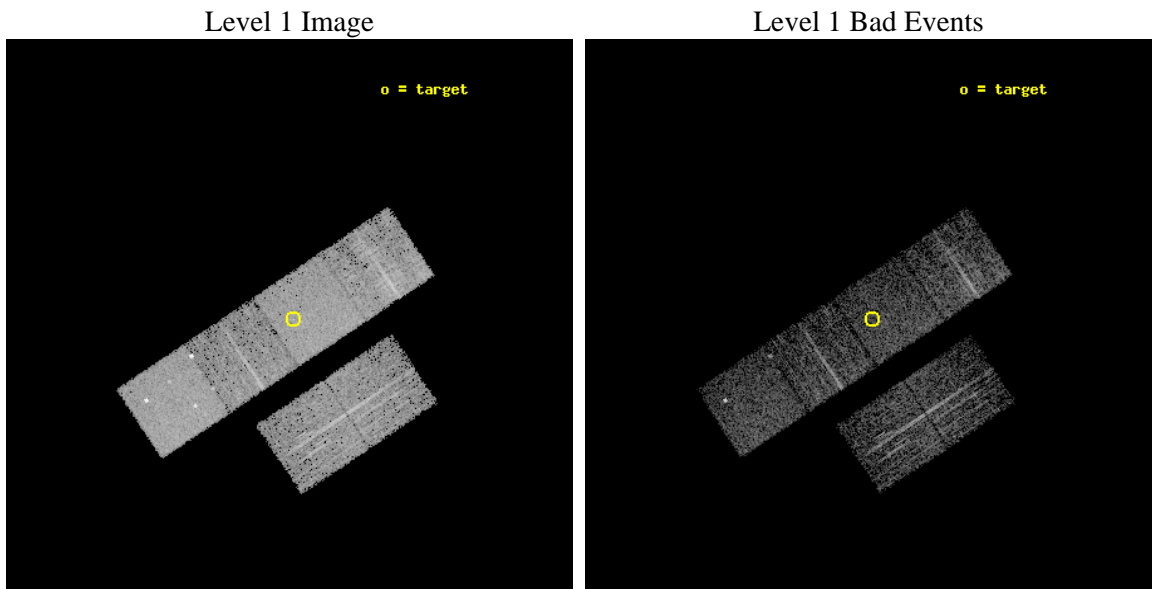
seq_num	700847	Sequence number
obs_id	4764	Observation id
title	A Chandra Survey of Luminous, Radio-Loud Quasars at High Redshift	
observer	Professor Gordon Garmire	Principal investigator
object	PMN J0324-2918	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	51.184583	Observer's specified target RA [deg]
dec_targ	-29.305861	Observer's specified target Dec [deg]
ra_nom	51.192544872117	Nominal RA [deg]
dec_nom	-29.312371716132	Nominal Dec [deg]
roll_nom	326.34222711915	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3857.804695189	Sum of GTIs [s]
livetime	3808.9548492474	Livetime [s]
ontime2	3857.8457351923	Sum of GTIs [s]
ontime3	3857.6815751791	Sum of GTIs [s]
ontime5	3857.7636551857	Sum of GTIs [s]
ontime6	3857.7226151824	Sum of GTIs [s]
ontime7	3857.804695189	Sum of GTIs [s]
ontime8	3857.6405352056	Sum of GTIs [s]
l2events	36994	Number of level 2 events



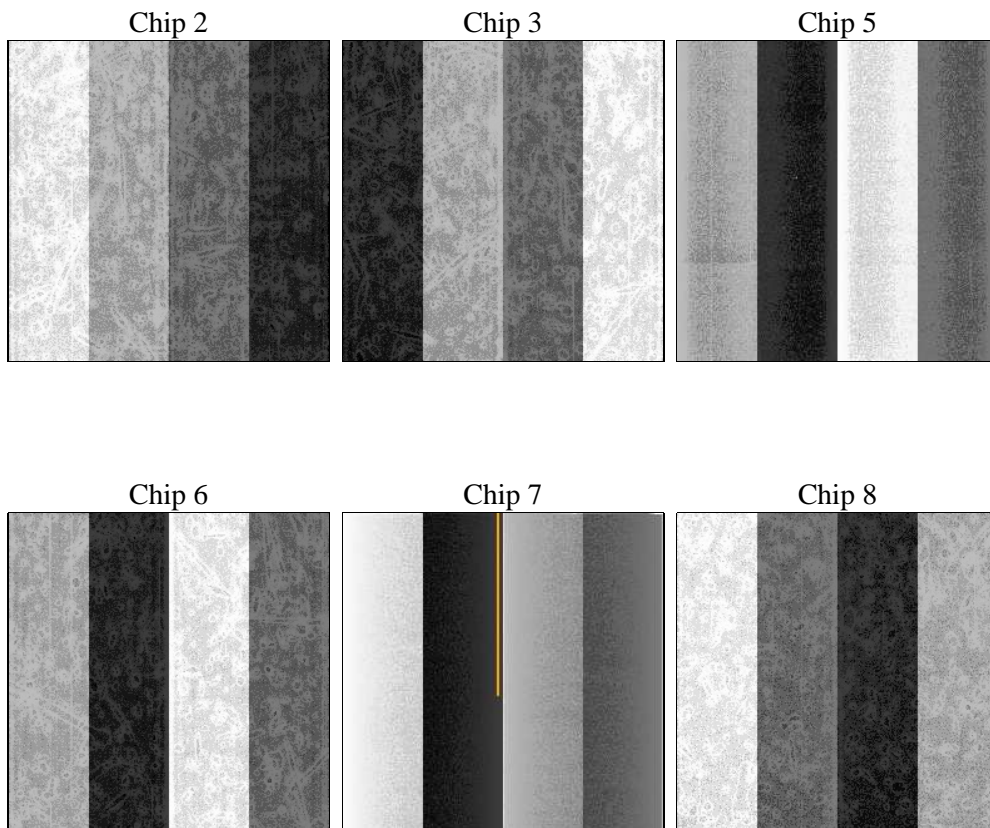
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3895.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3857.804695189	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	3857.8457351923	Sum of GTIs [s]
date	2012-11-09T07:38:34	Date and time of file creation	ontime3	3857.6815751791	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	3857.7636551857	Sum of GTIs [s]
			ontime6	3857.7226151824	Sum of GTIs [s]
			ontime7	3857.804695189	Sum of GTIs [s]
			ontime8	3857.6405352056	Sum of GTIs [s]
			l1events	163834	Number of level 1 events

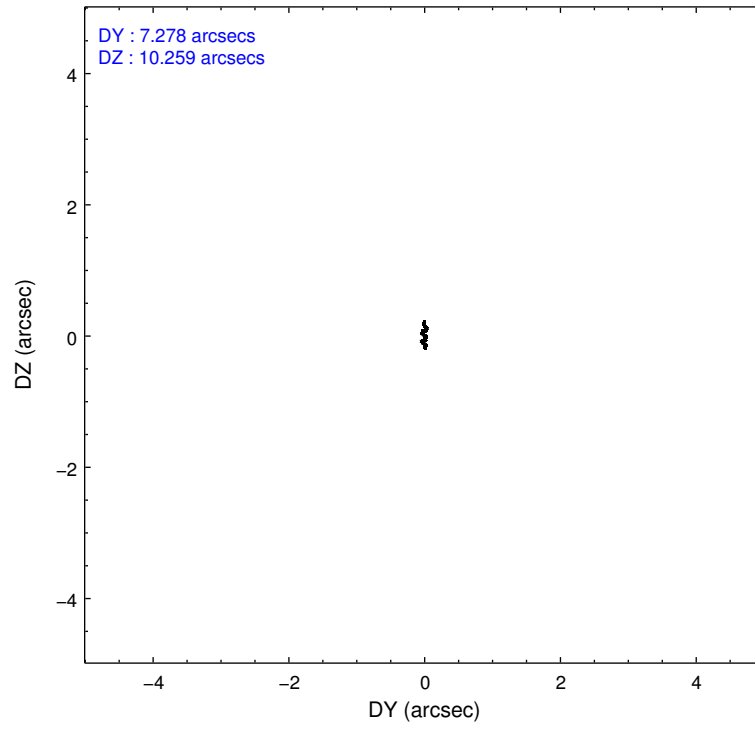
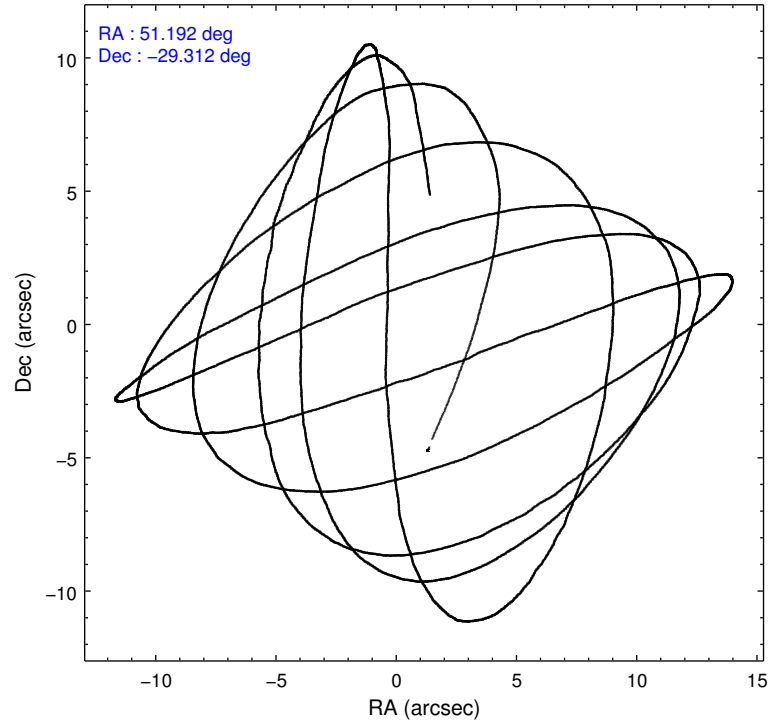
2.1.4 Events

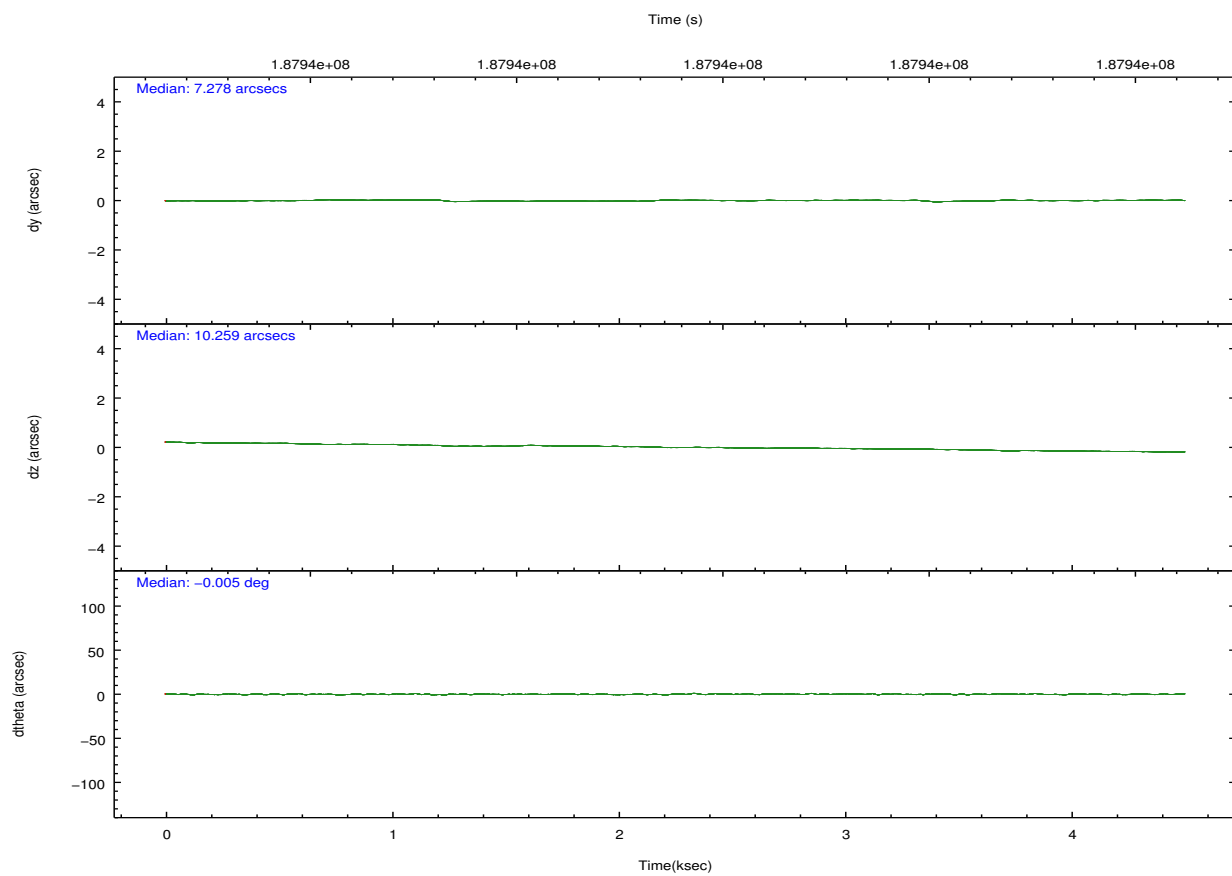
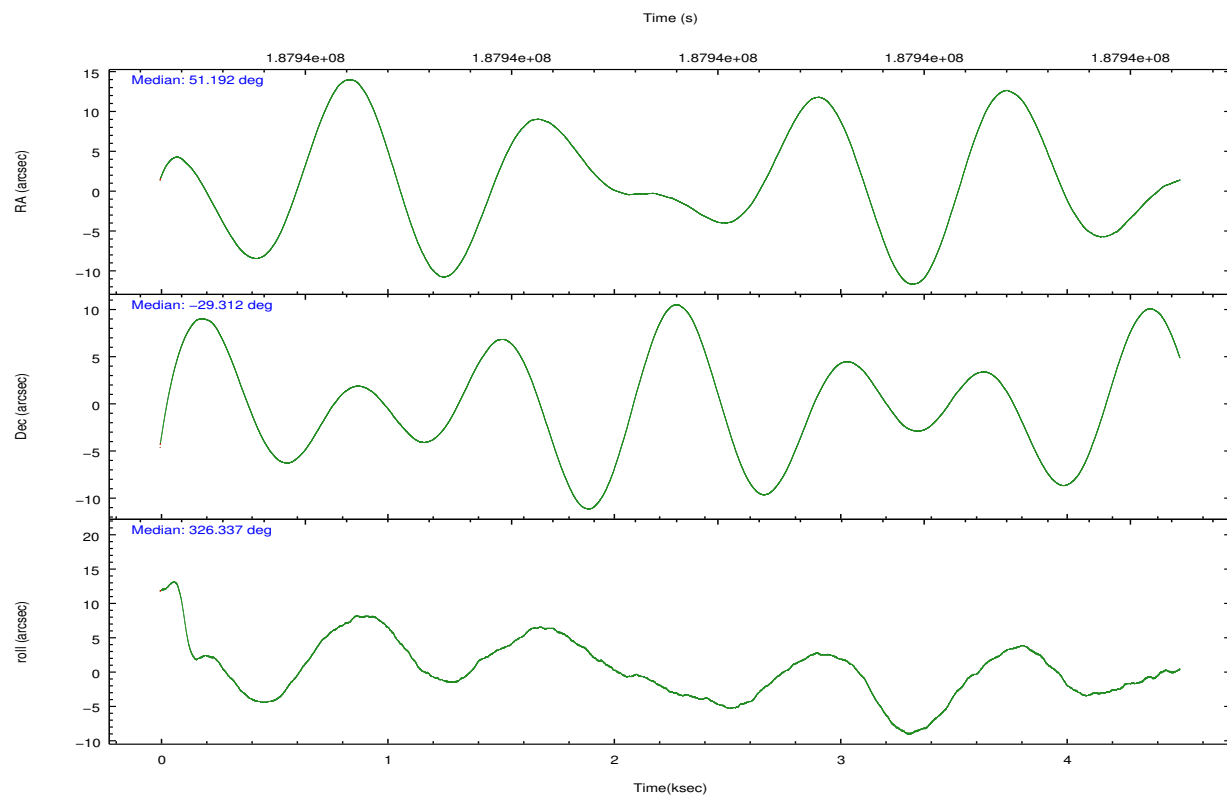
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	23331	21754	36730	21929	31129	28961	grade 0 events	1213	1246	1761	1143	1191	2011
rejected events	20645	18932	19386	19143	18450	22607		5%	5%	4%	5%	3%	6%
rejected %	88%	87%	52%	87%	59%	78%	grade 1 events	11	12	47	8	29	19
								0%	0%	0%	0%	0%	0%
							grade 2 events	523	559	5038	565	2492	1282
								2%	2%	13%	2%	8%	4%
							grade 3 events	260	254	643	273	1179	725
								1%	1%	1%	1%	3%	2%
							grade 4 events	244	266	616	264	1120	656
								1%	1%	1%	1%	3%	2%
							grade 5 events	968	978	3113	1064	2883	1399
								4%	4%	8%	4%	9%	4%
							grade 6 events	451	504	9320	546	6716	1683
								1%	2%	25%	2%	21%	5%
							grade 7 events	19661	17935	16192	18066	15519	21186
								84%	82%	44%	82%	49%	73%

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	51.161403	51.1925448721169	Subarray requested	NONE	NONE
[deg] Pointing Dec	-29.311171	-29.31237171613199	Alternating exposures requested	N	N
[deg] Pointing Roll	326.170353	326.342227119152	[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)	187938124.184000	187935697.41353			
Observation start date	2003-12-16T05:01:00	2003-12-16T04:21:37			
[s] Observation end time (MET)	187942019.184000	187942842.68884			
Observation end date	2003-12-16T06:05:55	2003-12-16T06:20:42			
Read mode	TIMED	TIMED			

2.3 Aspect



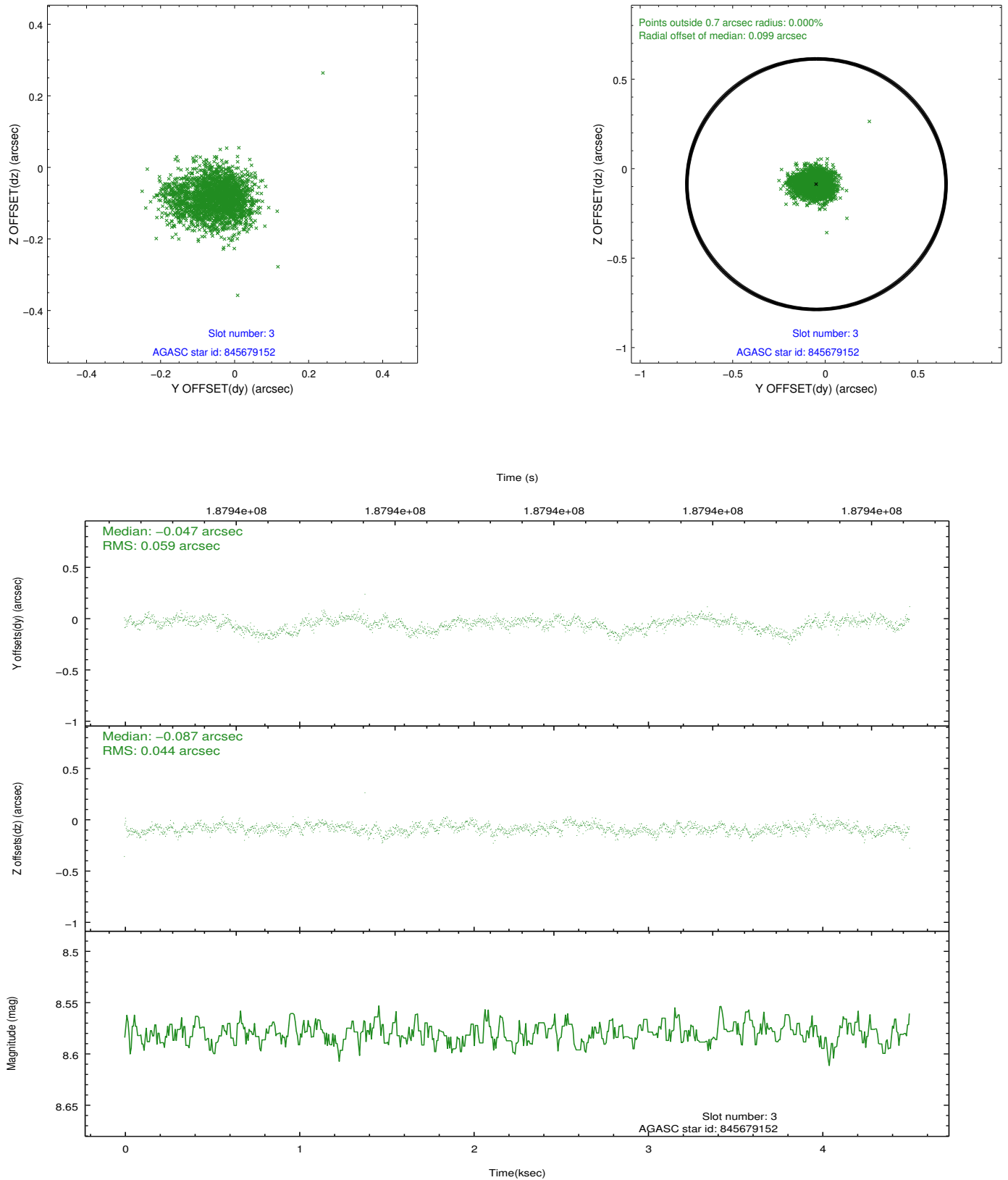


Slot Statistics

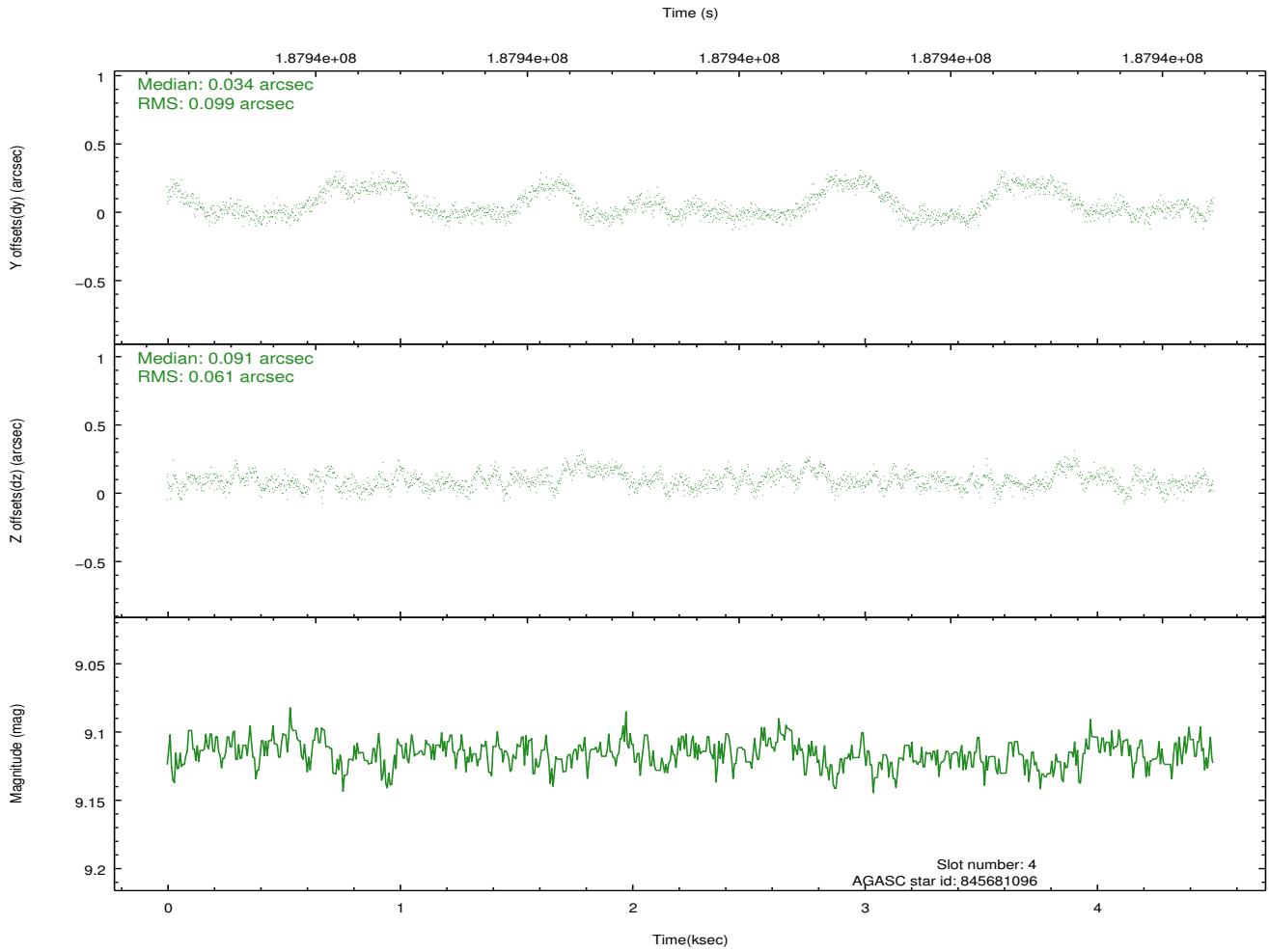
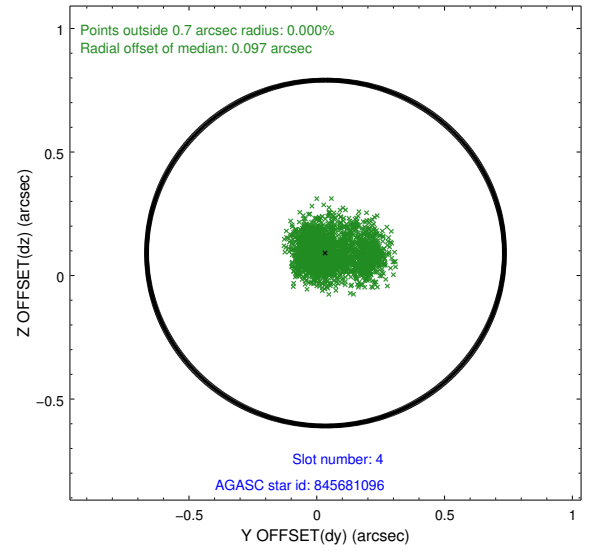
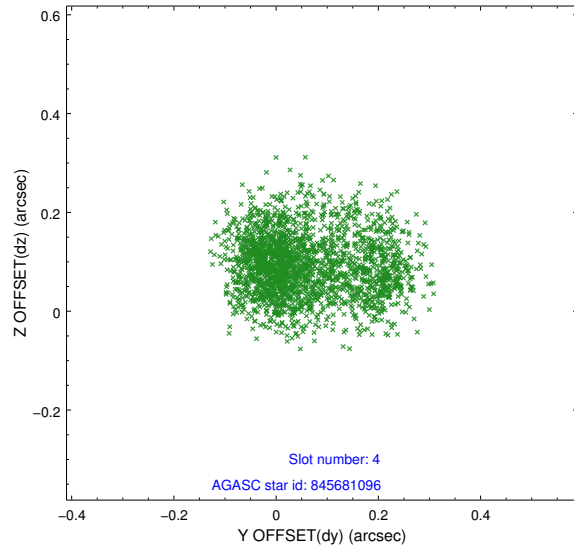
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1099	-0.043	-0.008	0.006	0.011	0.000000	0.000000	-760.04	-1731.54
1	FID	ACIS-S-4	7.20	1099	0.058	0.023	0.005	0.010	0.000000	0.000000	2152.68	175.62
2	FID	ACIS-S-5	7.23	1099	-0.047	-0.006	0.006	0.010	0.000000	0.000000	-1811.17	170.74
3	GUIDE	845679152	8.58	2198	-0.047	-0.087	0.077	0.126	50.934482	-29.127193	-960.59	151.31
4	GUIDE	845681096	9.12	2198	0.034	0.091	0.123	0.207	50.778675	-29.365316	-887.43	-832.15
5	GUIDE	845681752	8.92	2196	0.084	-0.084	0.076	0.125	51.593896	-29.544837	1595.27	52.69
6	GUIDE	845682224	9.36	2195	-0.014	0.031	0.122	0.178	50.973340	-29.019925	-1073.82	540.81
7	GUIDE	845685960	9.54	2194	-0.077	0.046	0.124	0.193	51.274274	-28.641628	-1045.59	2200.75

2.4 Star Slots

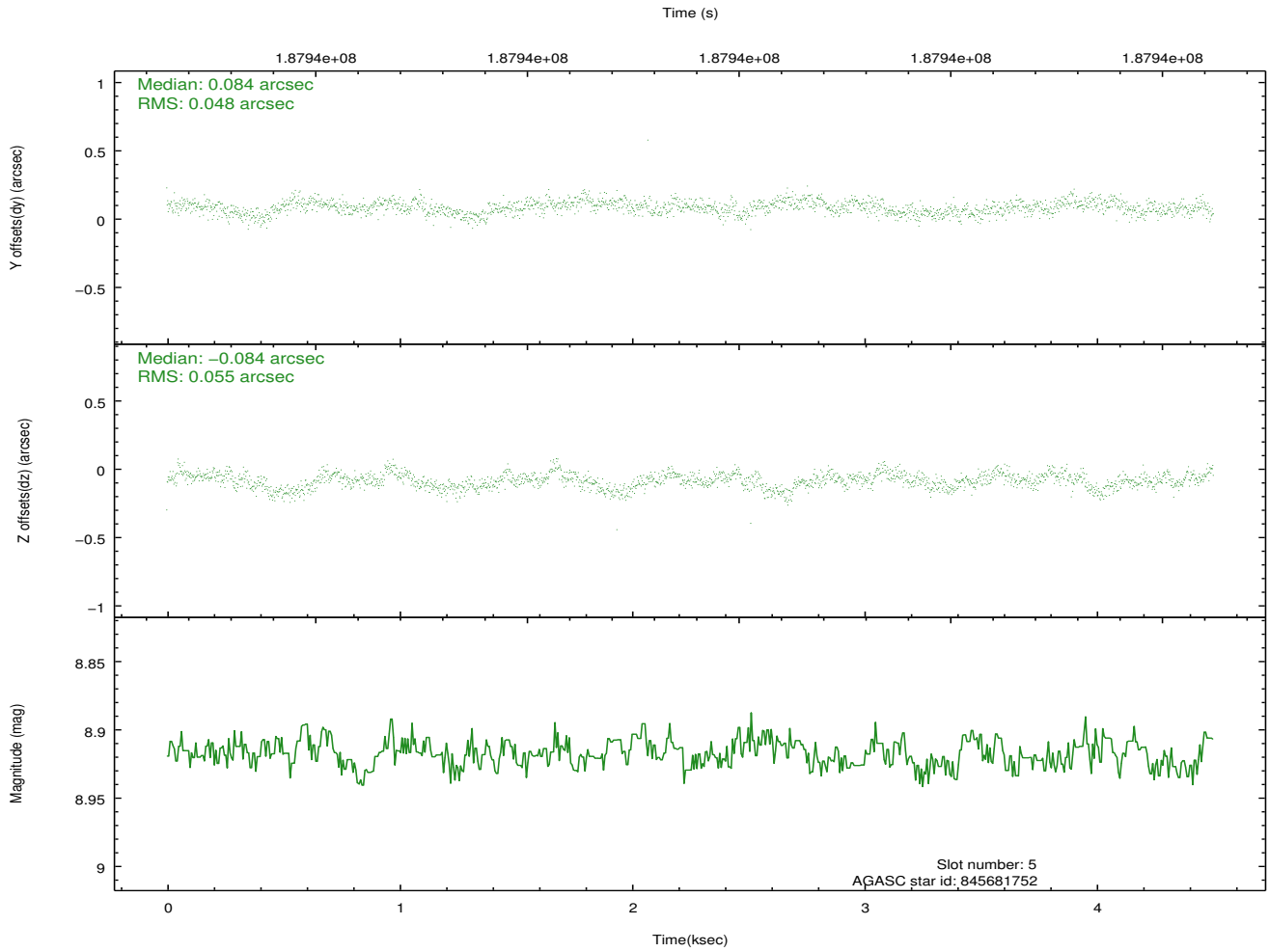
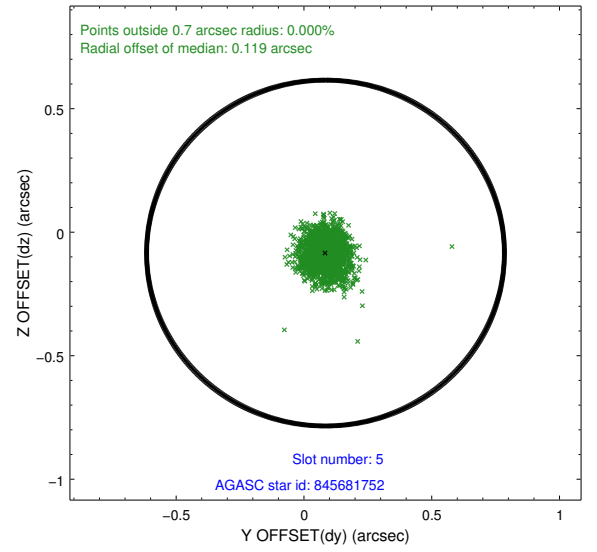
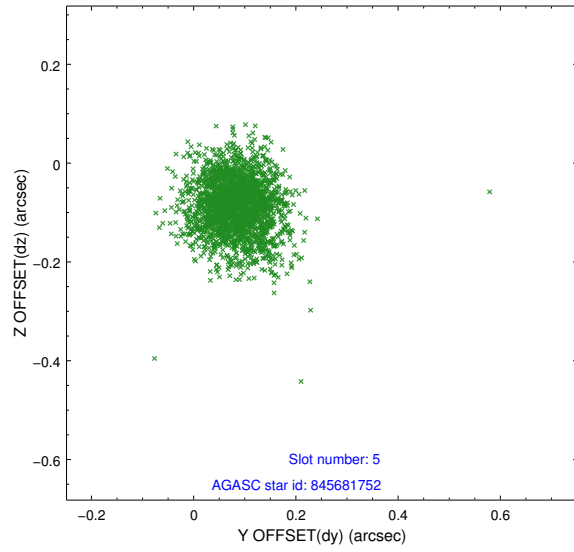
2.4.1 Slot 3



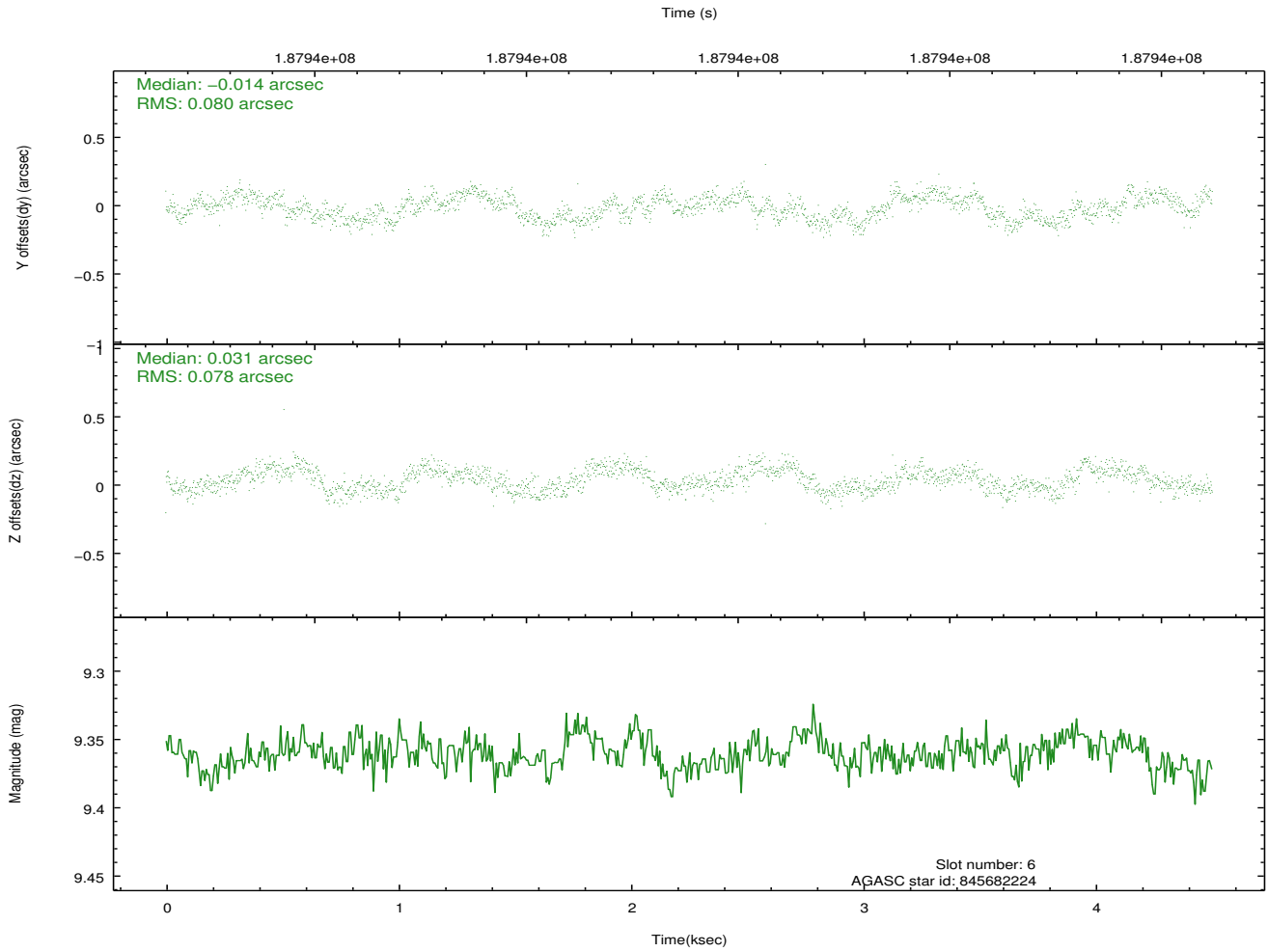
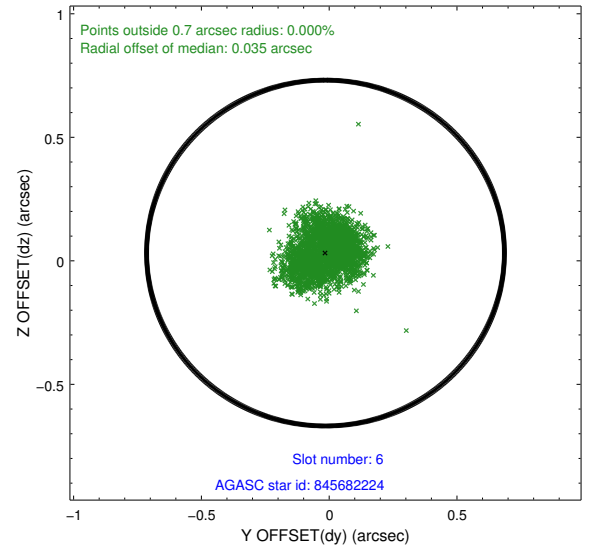
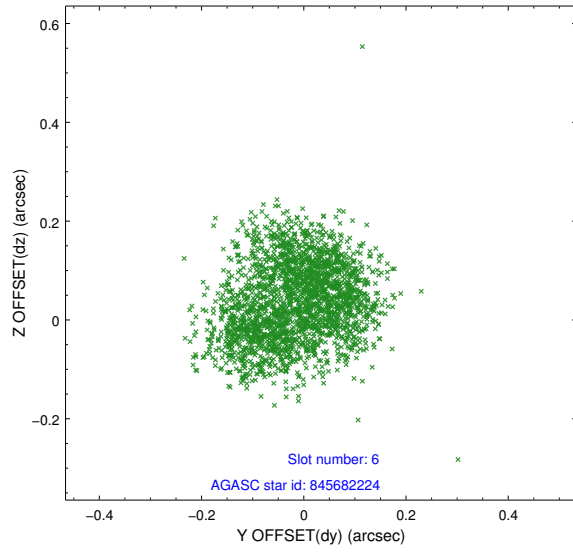
2.4.2 Slot 4



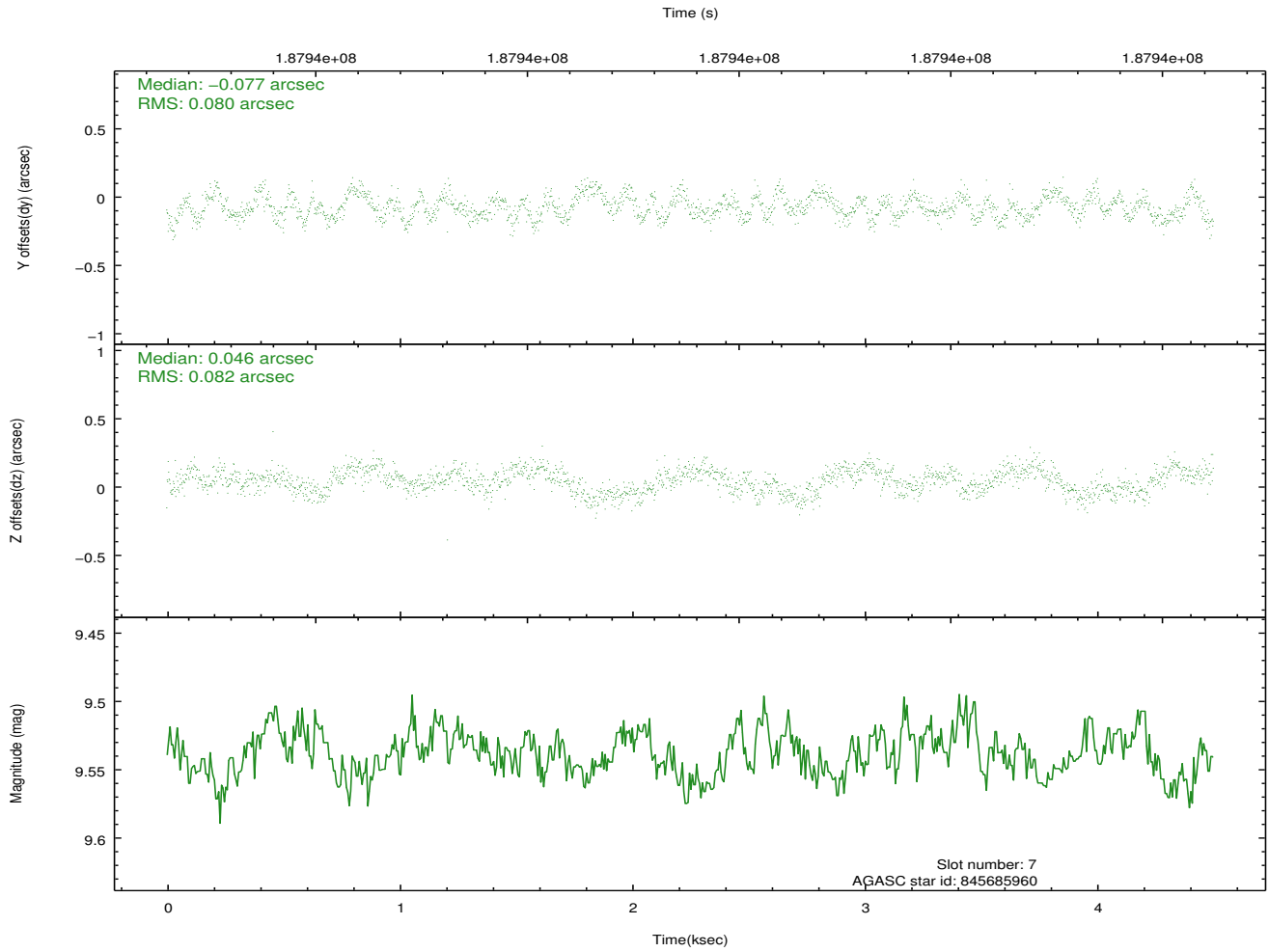
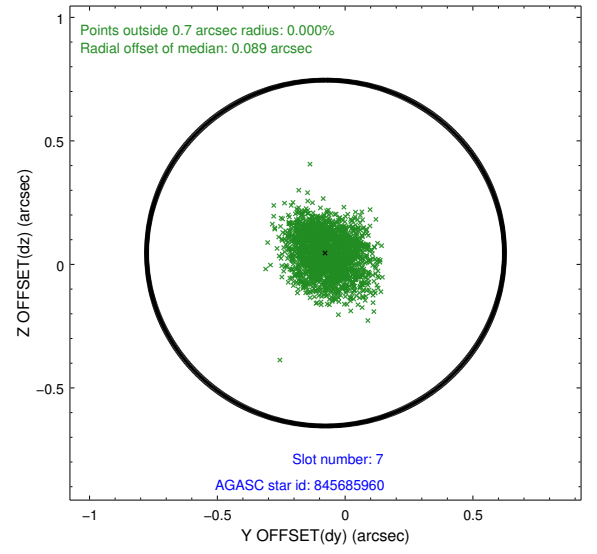
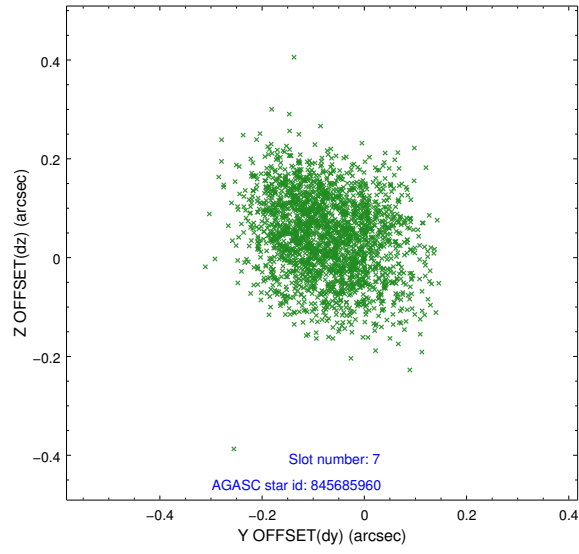
2.4.3 Slot 5



2.4.4 Slot 6

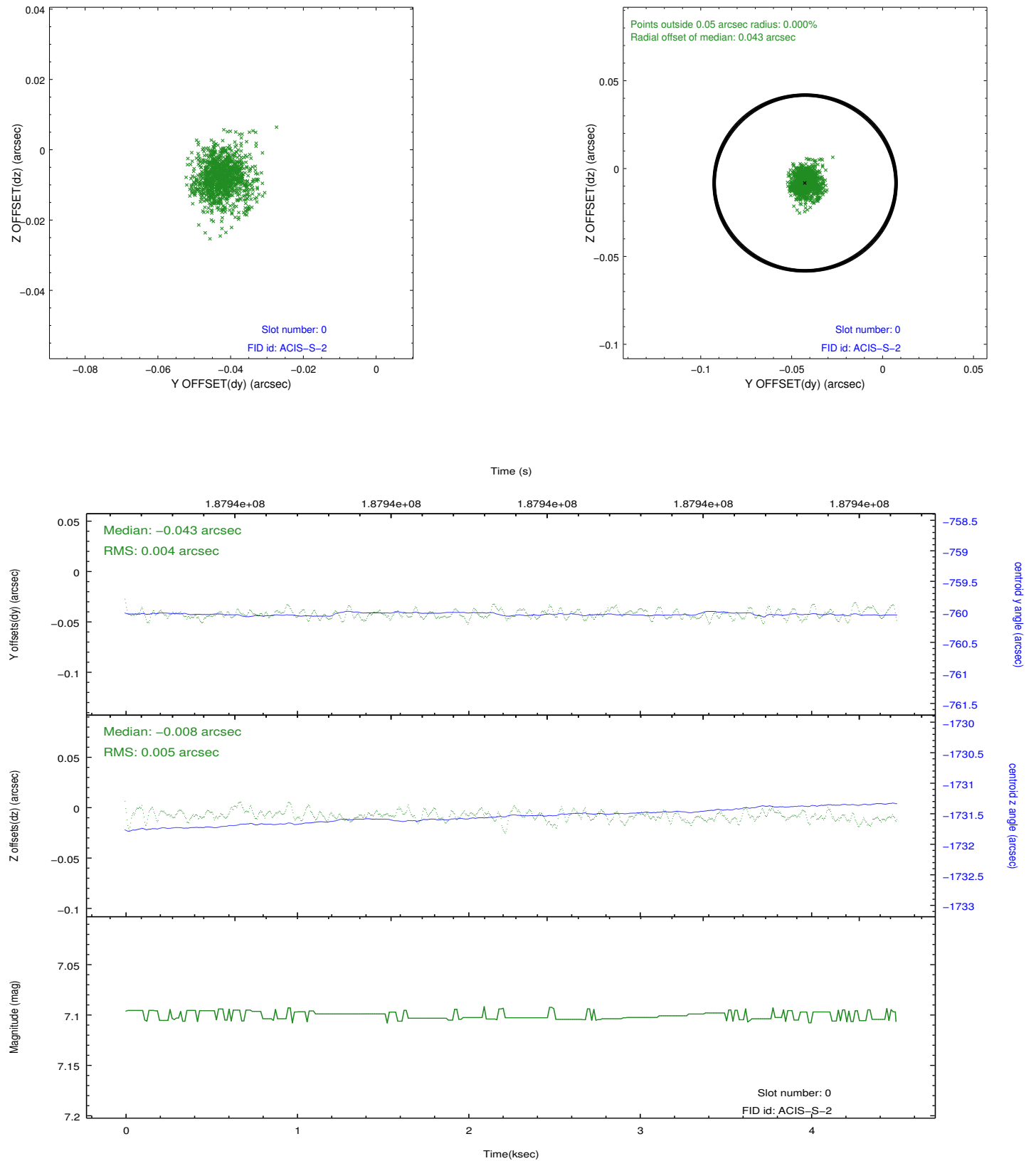


2.4.5 Slot 7

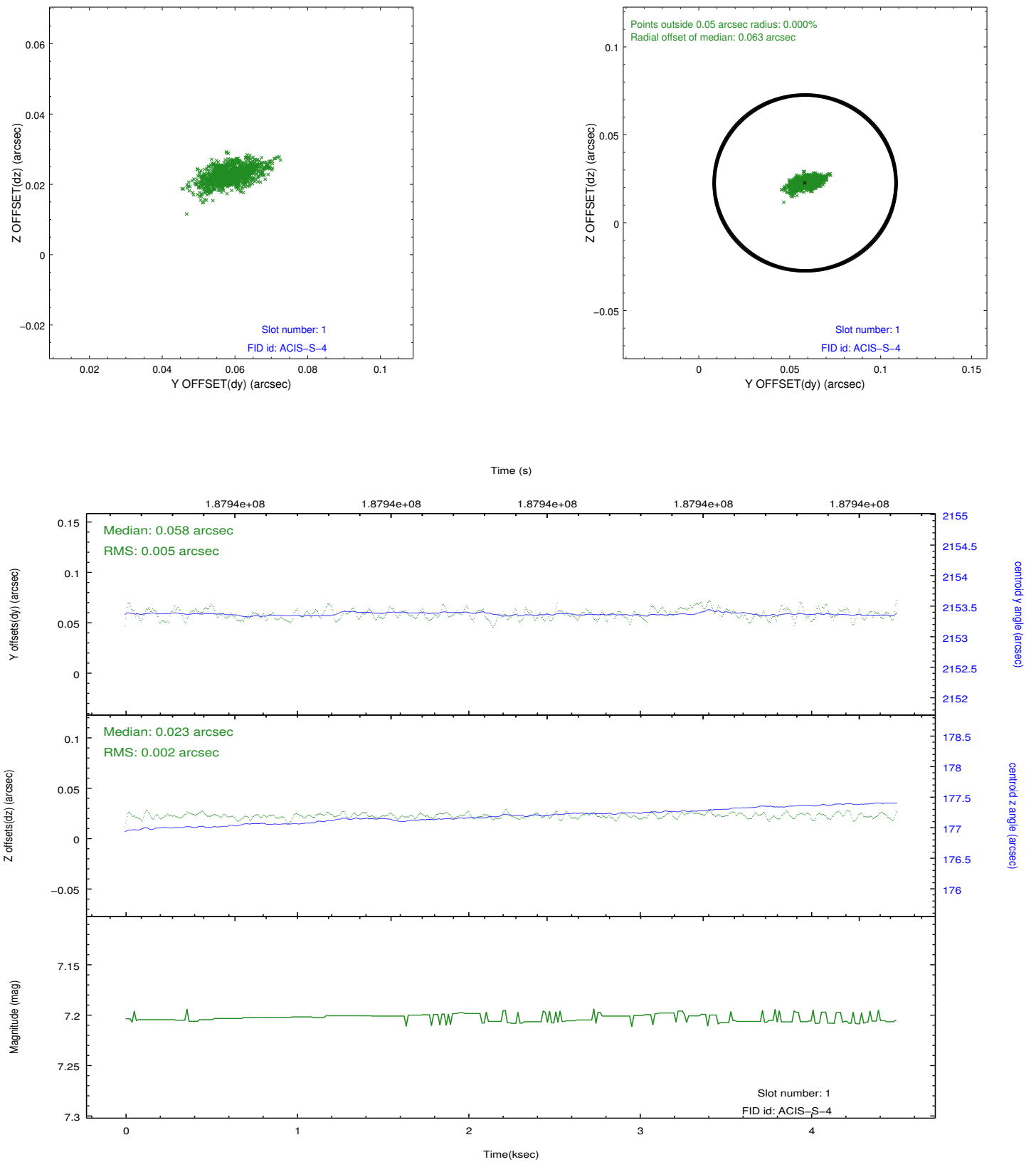


2.5 FID Slots

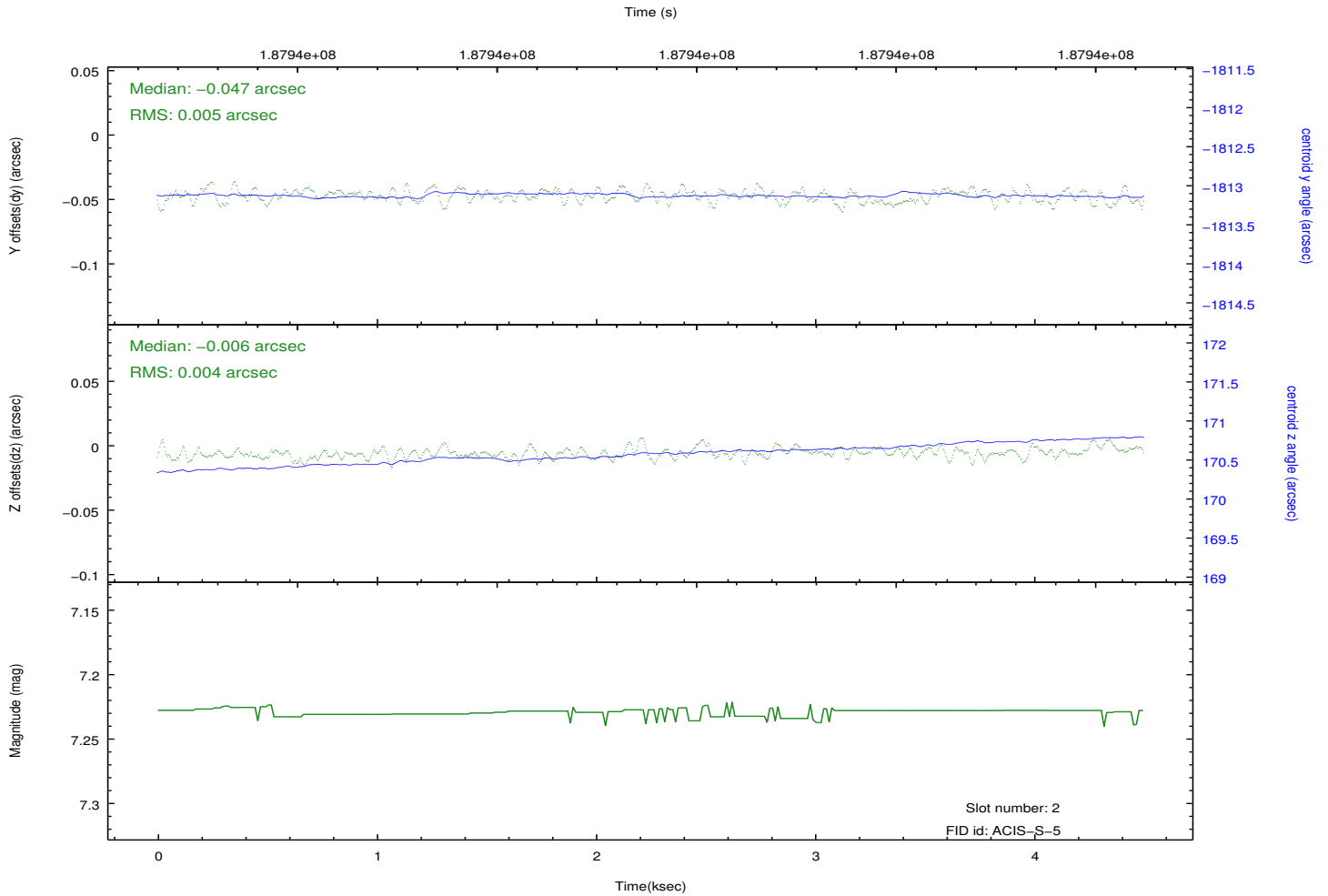
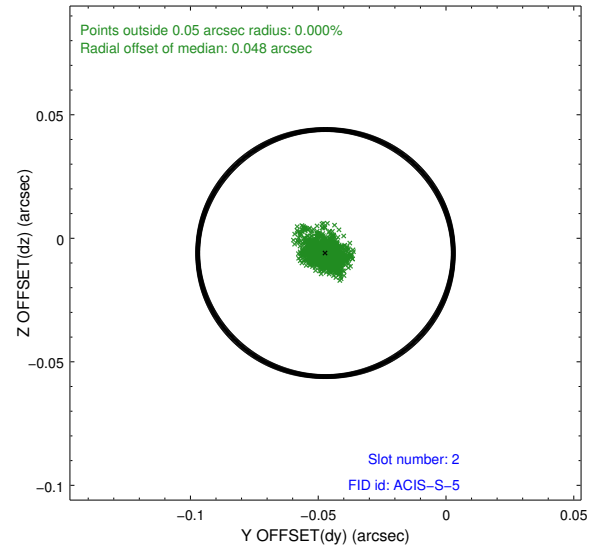
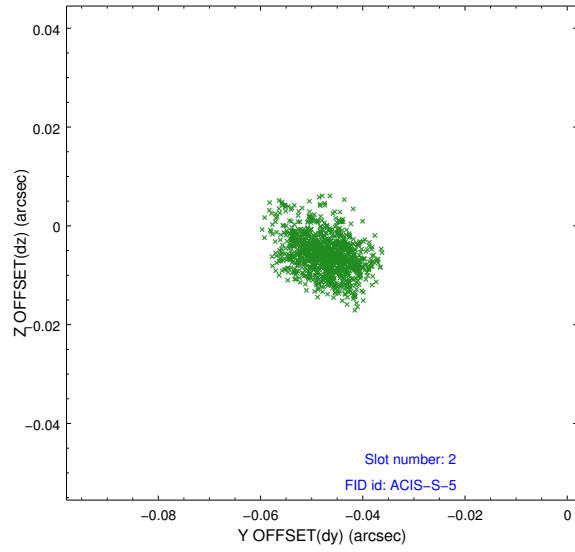
2.5.1 Slot 0



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)	2012.12.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.859

A.2 Comments