

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4099 - L2 Version 3
Chandra X-Ray Center

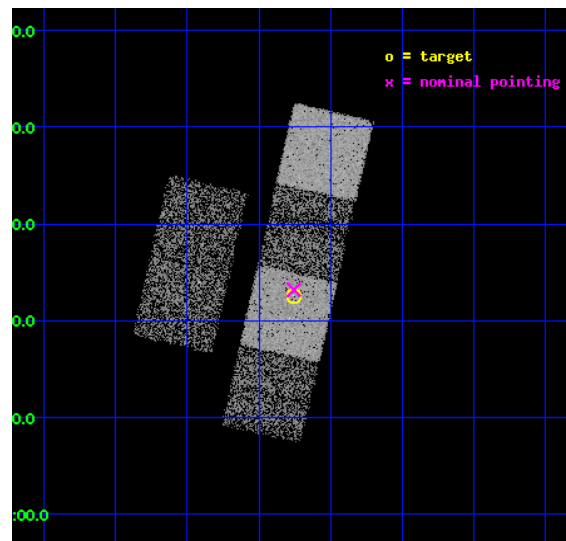
L2 Processing Date : Nov 2 2012

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1 Front

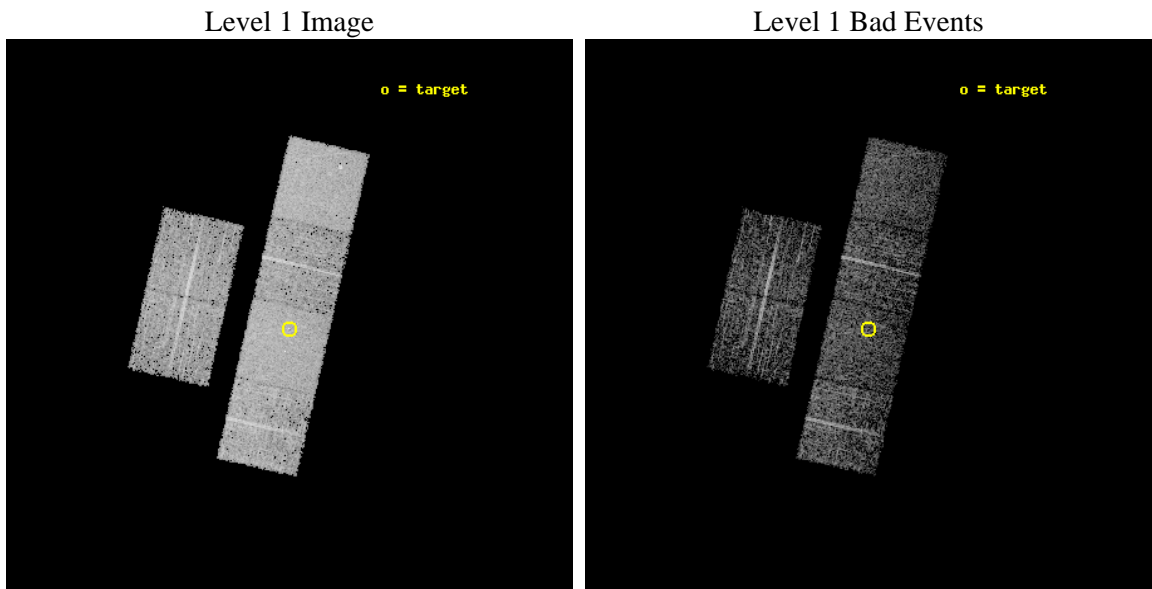
seq_num	700778	Sequence number
obs_id	4099	Observation id
title	X-RAY CONSTRAINTS ON THE STRUCTURE OF THE BROAD EMISSION LINE REGION IN QUASARS	Proposal title
observer	Dr. Gordon Richards	Principal investigator
object	SDSS J020845.53+002236.0	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	32.189583	Observer's specified target RA [deg]
dec_targ	0.376667	Observer's specified target Dec [deg]
ra_nom	32.189063471284	Nominal RA [deg]
dec_nom	0.3864272774458	Nominal Dec [deg]
roll_nom	102.83775552258	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3590.3999866247	Sum of GTIs [s]
livetime	3544.9361801148	Livetime [s]
ontime2	3590.3999866247	Sum of GTIs [s]
ontime3	3590.3999866247	Sum of GTIs [s]
ontime5	3590.3999866247	Sum of GTIs [s]
ontime6	3590.3999866247	Sum of GTIs [s]
ontime7	3590.3999866247	Sum of GTIs [s]
ontime8	3590.3999866247	Sum of GTIs [s]
l2events	42553	Number of level 2 events



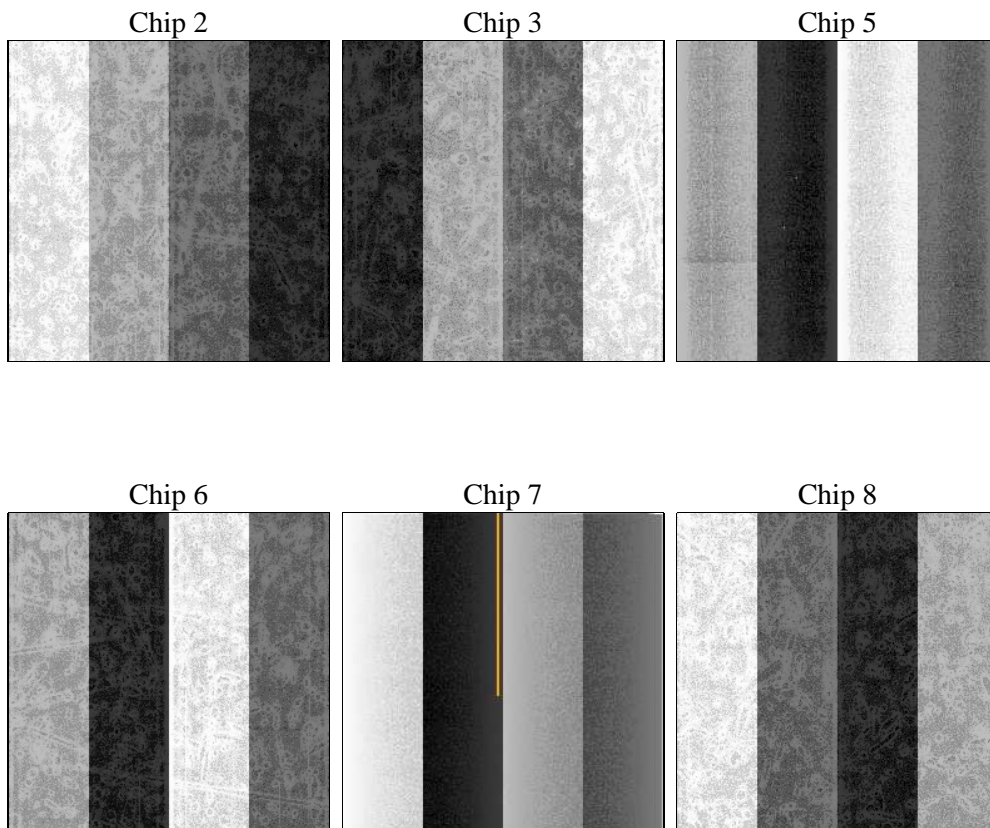
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3453.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3590.3999866247	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	3590.3999866247	Sum of GTIs [s]
date	2012-11-02T15:50:47	Date and time of file creation	ontime3	3590.3999866247	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	3590.3999866247	Sum of GTIs [s]
			ontime6	3590.3999866247	Sum of GTIs [s]
			ontime7	3590.3999866247	Sum of GTIs [s]
			ontime8	3590.3999866247	Sum of GTIs [s]
			l1events	207241	Number of level 1 events

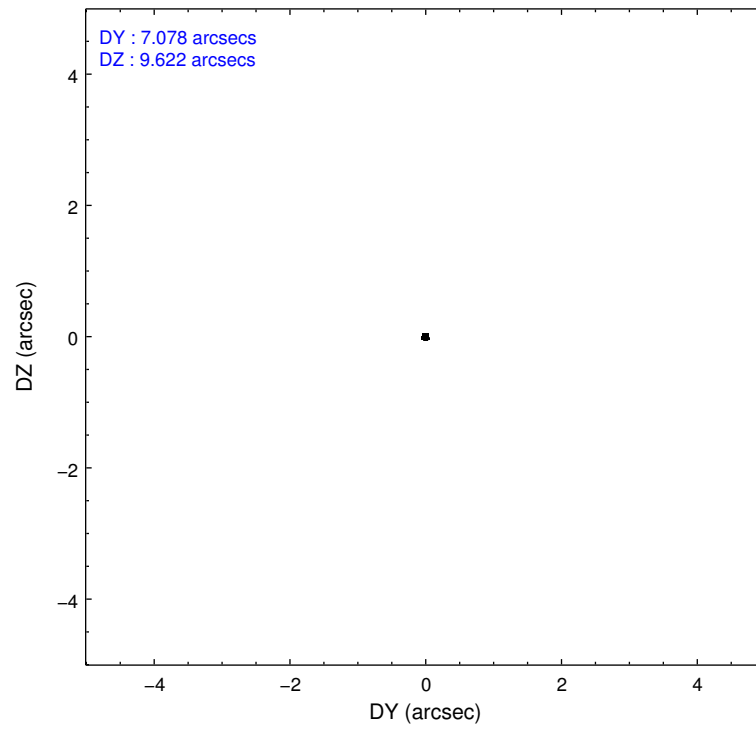
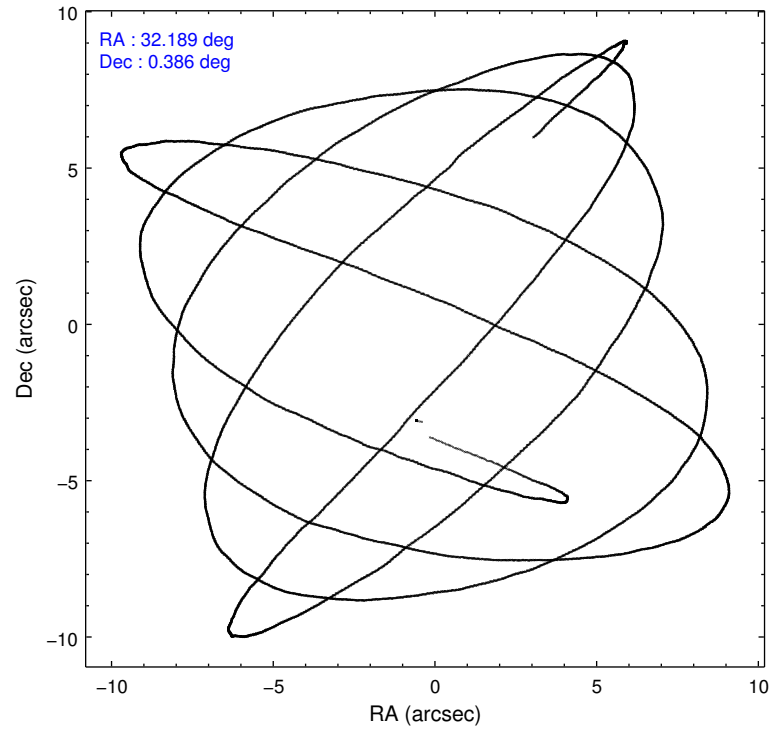
2.1.4 Events

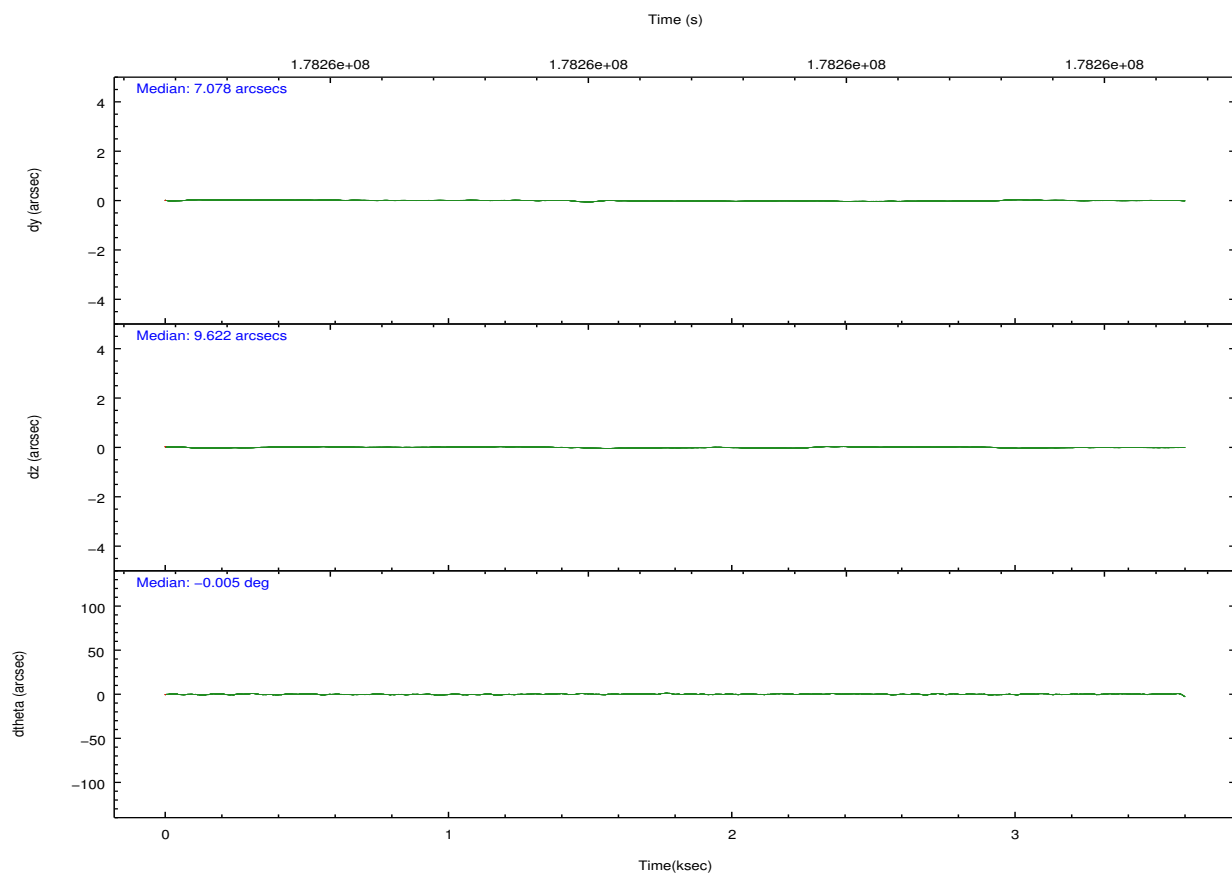
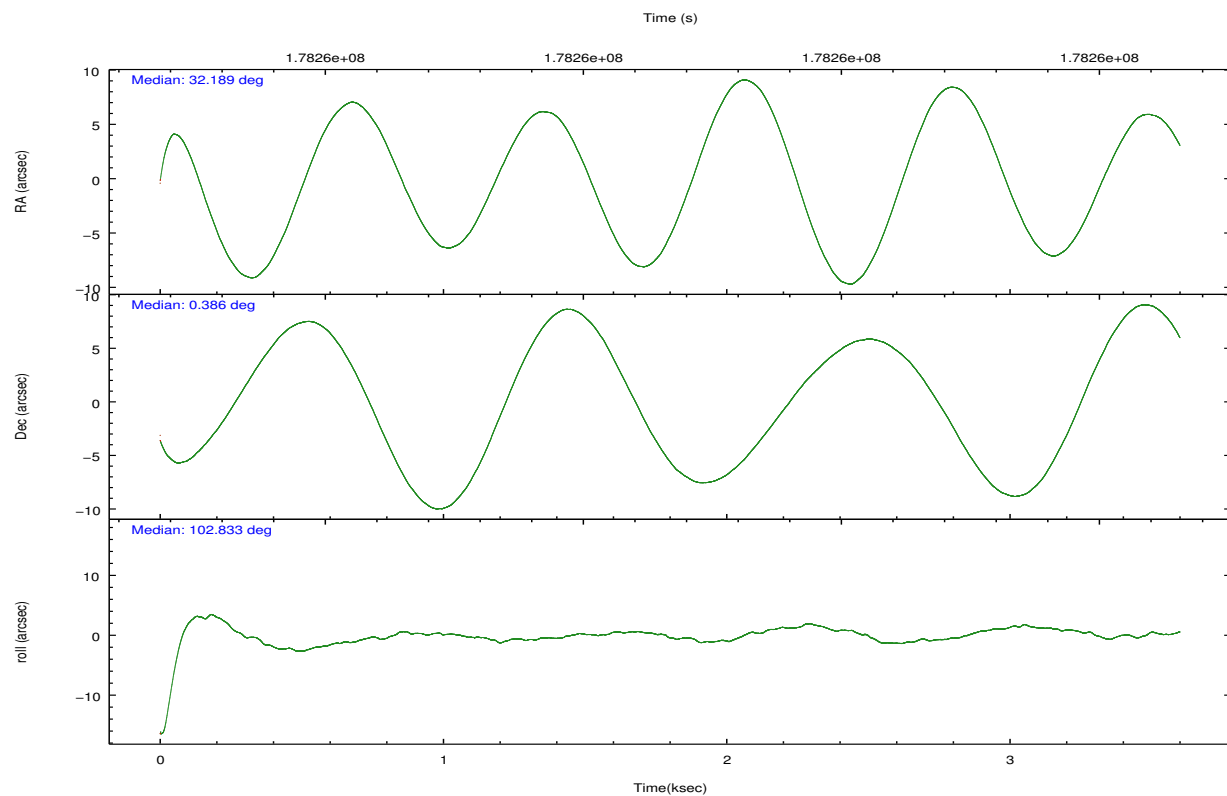
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	27421	28505	43770	29510	41183	36852	grade 0 events	2269	2345	2179	2248	1924	3257
rejected events	24146	25125	27227	25959	26584	30436		8%	8%	4%	7%	4%	8%
rejected %	88%	88%	62%	87%	64%	82%	grade 1 events	18	23	71	18	35	39
								0%	0%	0%	0%	0%	0%
							grade 2 events	699	776	6338	837	3700	1708
								2%	2%	14%	2%	8%	4%
							grade 3 events	355	363	877	381	1575	783
								1%	1%	2%	1%	3%	2%
							grade 4 events	325	348	851	360	1625	748
								1%	1%	1%	1%	3%	2%
							grade 5 events	1102	1170	2940	1281	3495	1604
								4%	4%	6%	4%	8%	4%
							grade 6 events	621	638	11203	849	10161	1941
								2%	2%	25%	2%	24%	5%
							grade 7 events	22032	22842	19311	23536	18668	26772
								80%	80%	44%	79%	45%	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	32.207905	32.18906347128447	Subarray requested	NONE	NONE
[deg] Pointing Dec	0.366610	0.3864272774457966	Alternating exposures requested	N	N
[deg] Pointing Roll	102.681066	102.8377555225751	[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)	178255683.184000	178254265.52128			
Observation start date	2003-08-26T03:26:59	2003-08-26T03:04:25			
[s] Observation end time (MET)	178259136.184000	178259317.234			
Observation end date	2003-08-26T04:24:32	2003-08-26T04:28:37			
Read mode	TIMED	TIMED			

2.3 Aspect



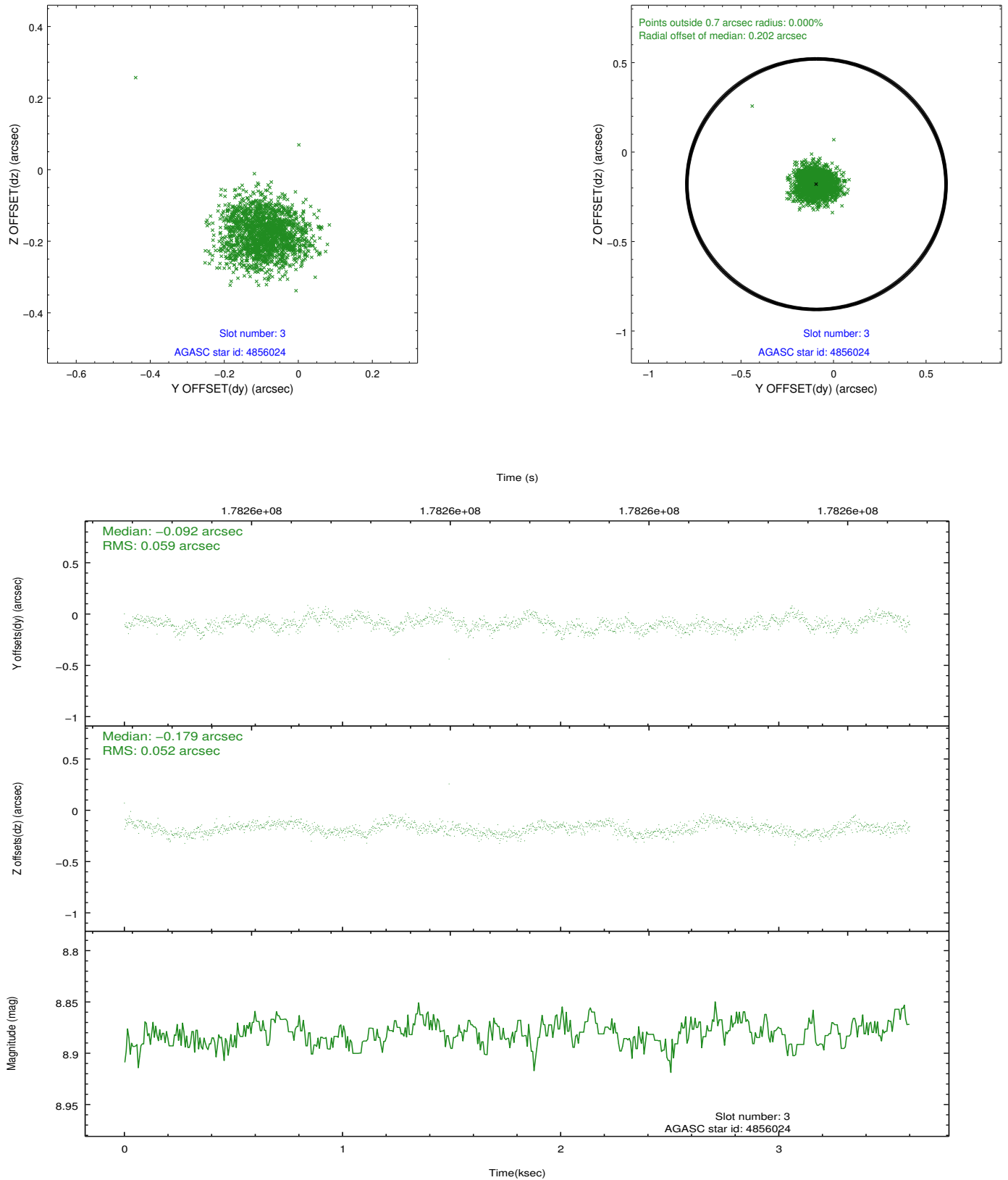


Slot Statistics

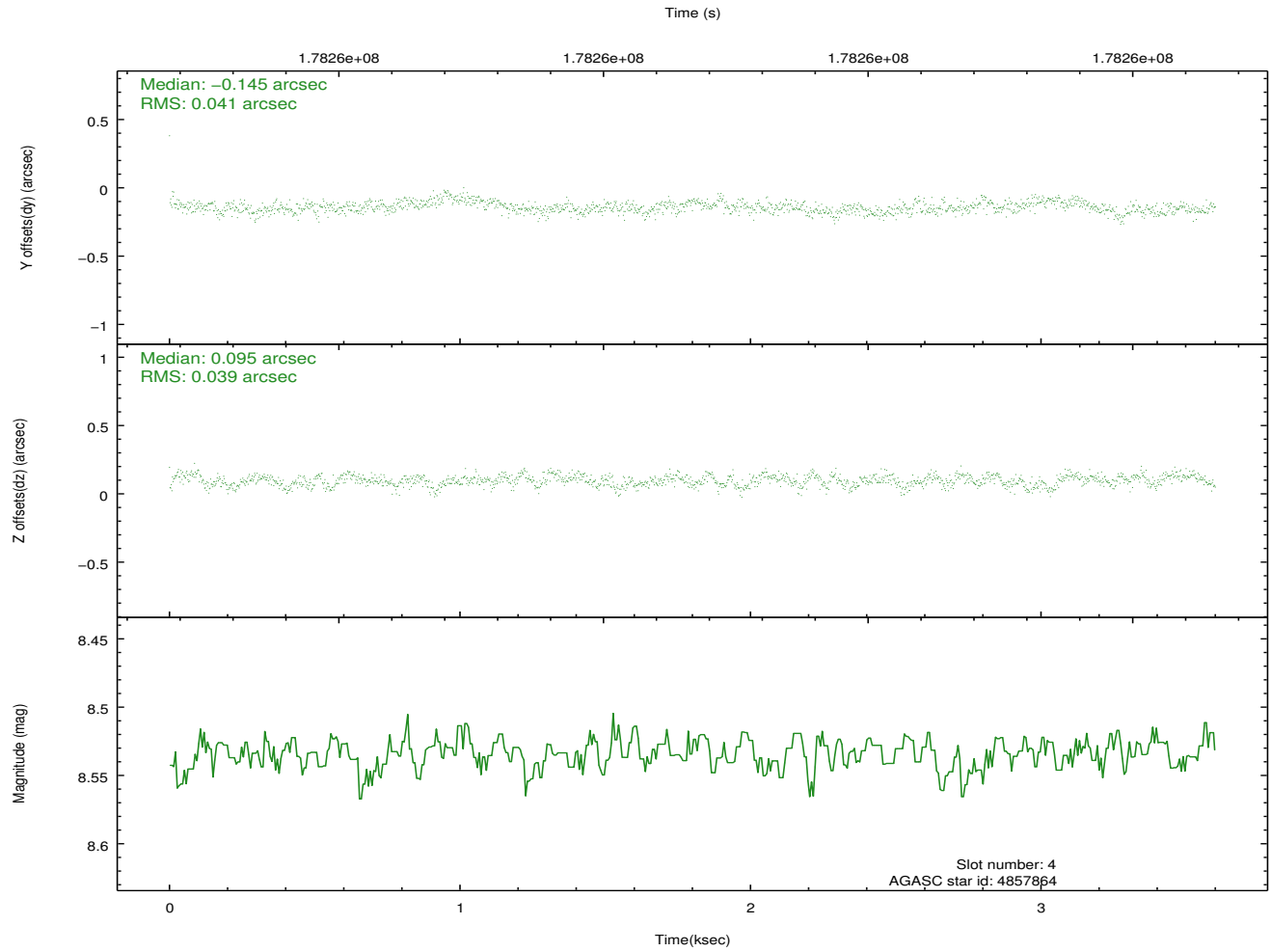
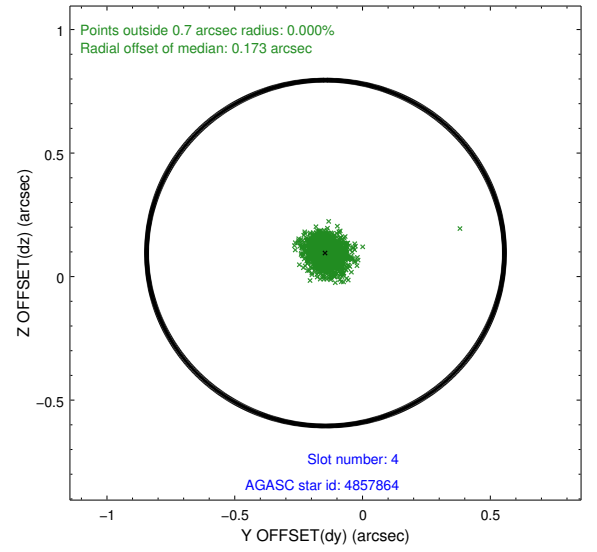
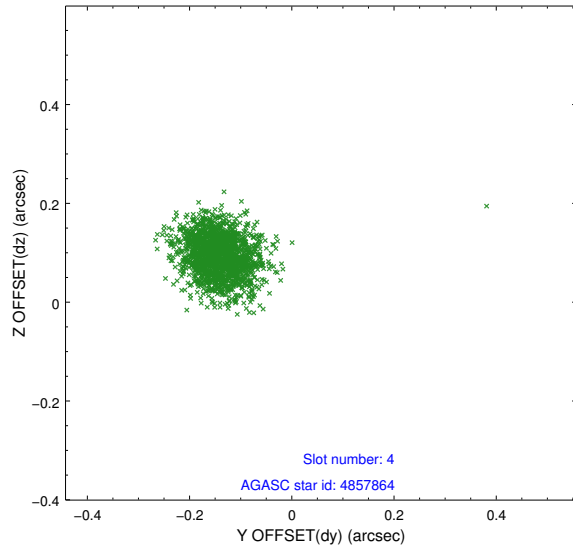
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	879	-0.043	-0.017	0.006	0.010	0.000000	0.000000	-759.85	-1730.88
1	FID	ACIS-S-4	7.20	879	0.049	0.022	0.006	0.010	0.000000	0.000000	2152.70	175.87
2	FID	ACIS-S-6	7.34	879	-0.034	0.002	0.006	0.011	0.000000	0.000000	404.36	815.21
3	GUIDE	4856024	8.88	1757	-0.092	-0.179	0.084	0.131	31.452405	0.826076	2210.58	2289.79
4	GUIDE	4857864	8.53	1757	-0.145	0.095	0.058	0.096	32.433296	0.797044	1334.82	-1130.12
5	GUIDE	4981944	8.07	1757	0.007	0.005	0.060	0.098	32.552714	0.494378	177.09	-1312.50
6	GUIDE	614728296	8.48	1757	0.201	-0.040	0.065	0.100	32.601360	-0.092275	-1922.52	-1020.01
7	GUIDE	4984112	8.04	1756	0.027	0.122	0.070	0.104	32.933733	0.223546	-1076.97	-2436.66

2.4 Star Slots

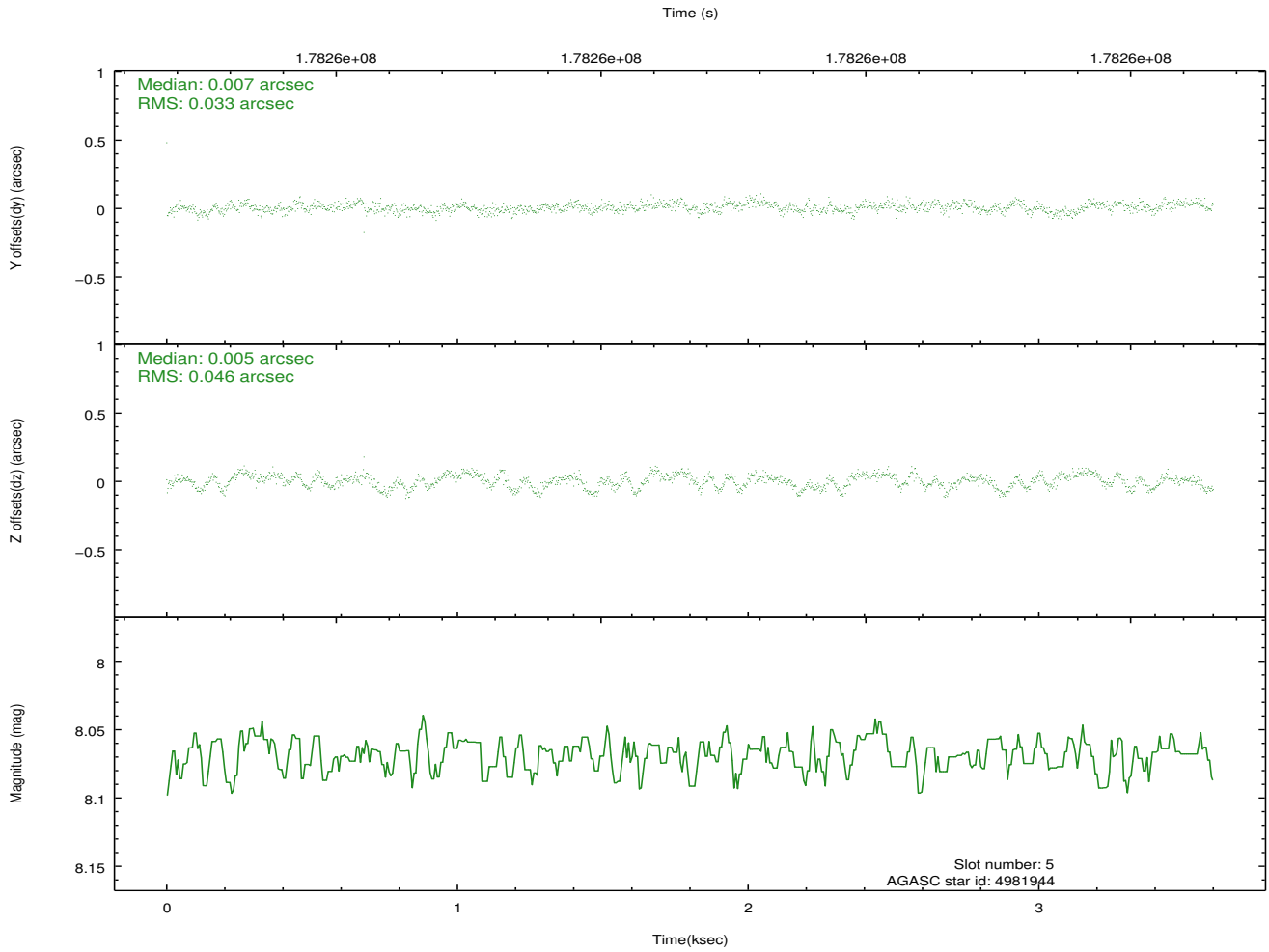
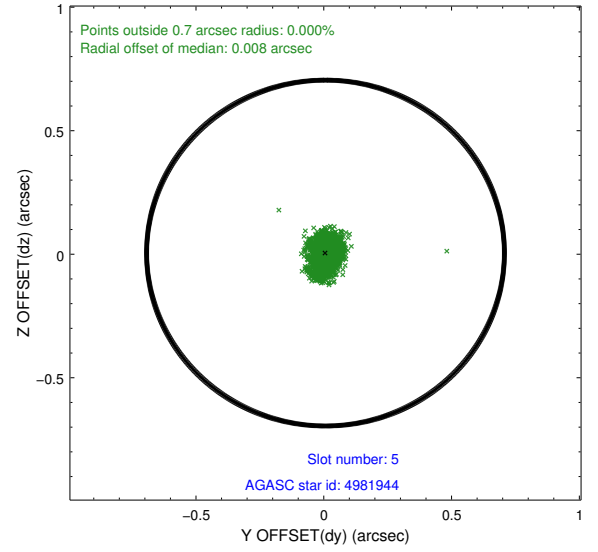
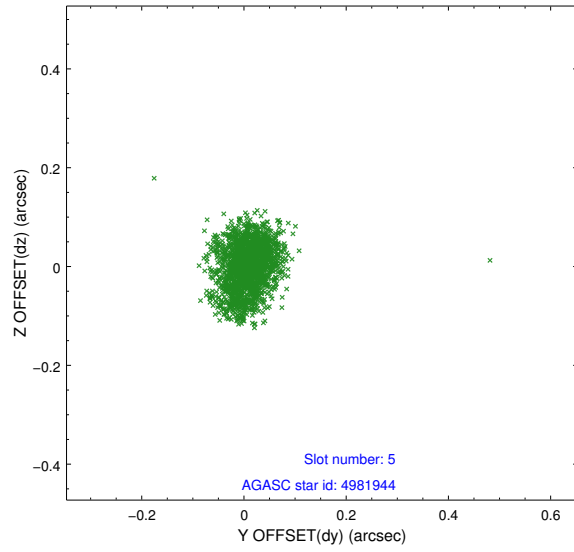
2.4.1 Slot 3



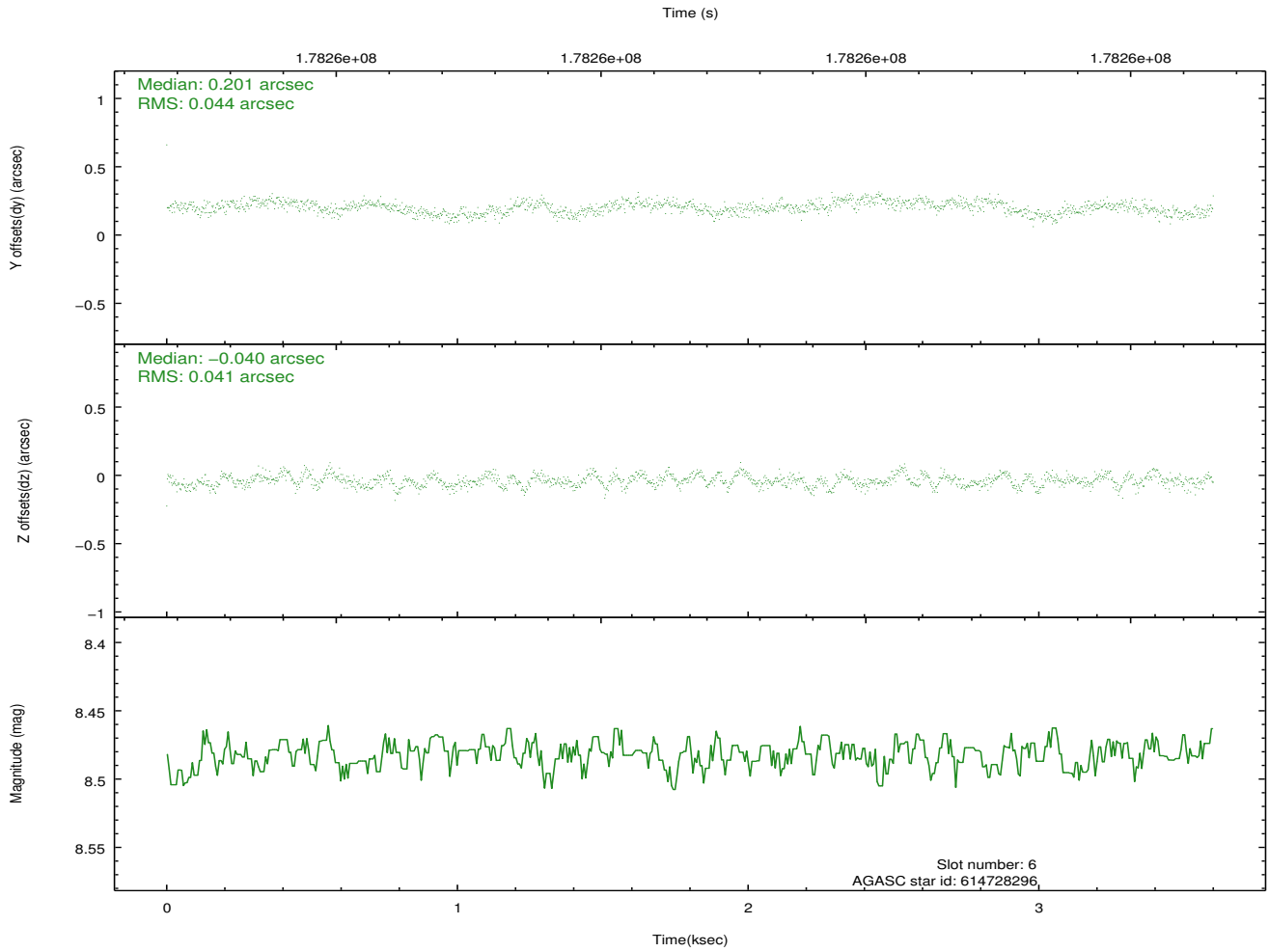
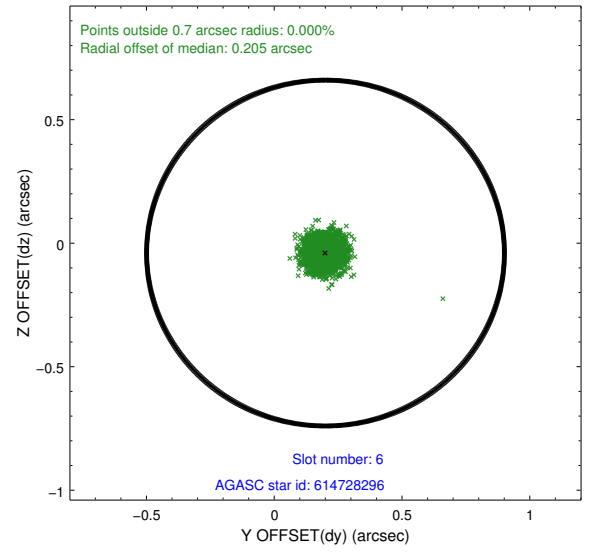
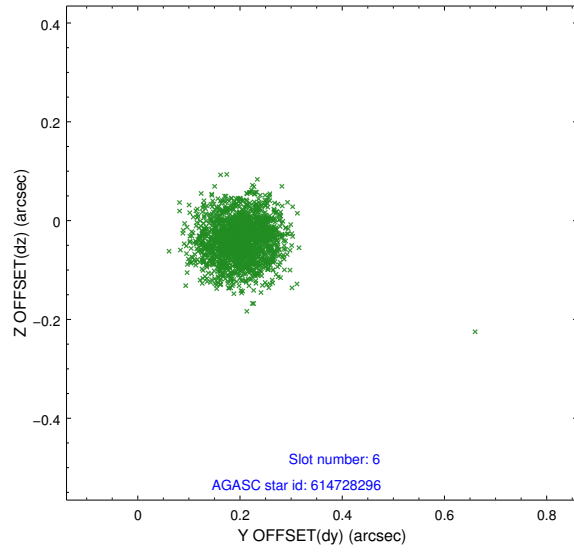
2.4.2 Slot 4



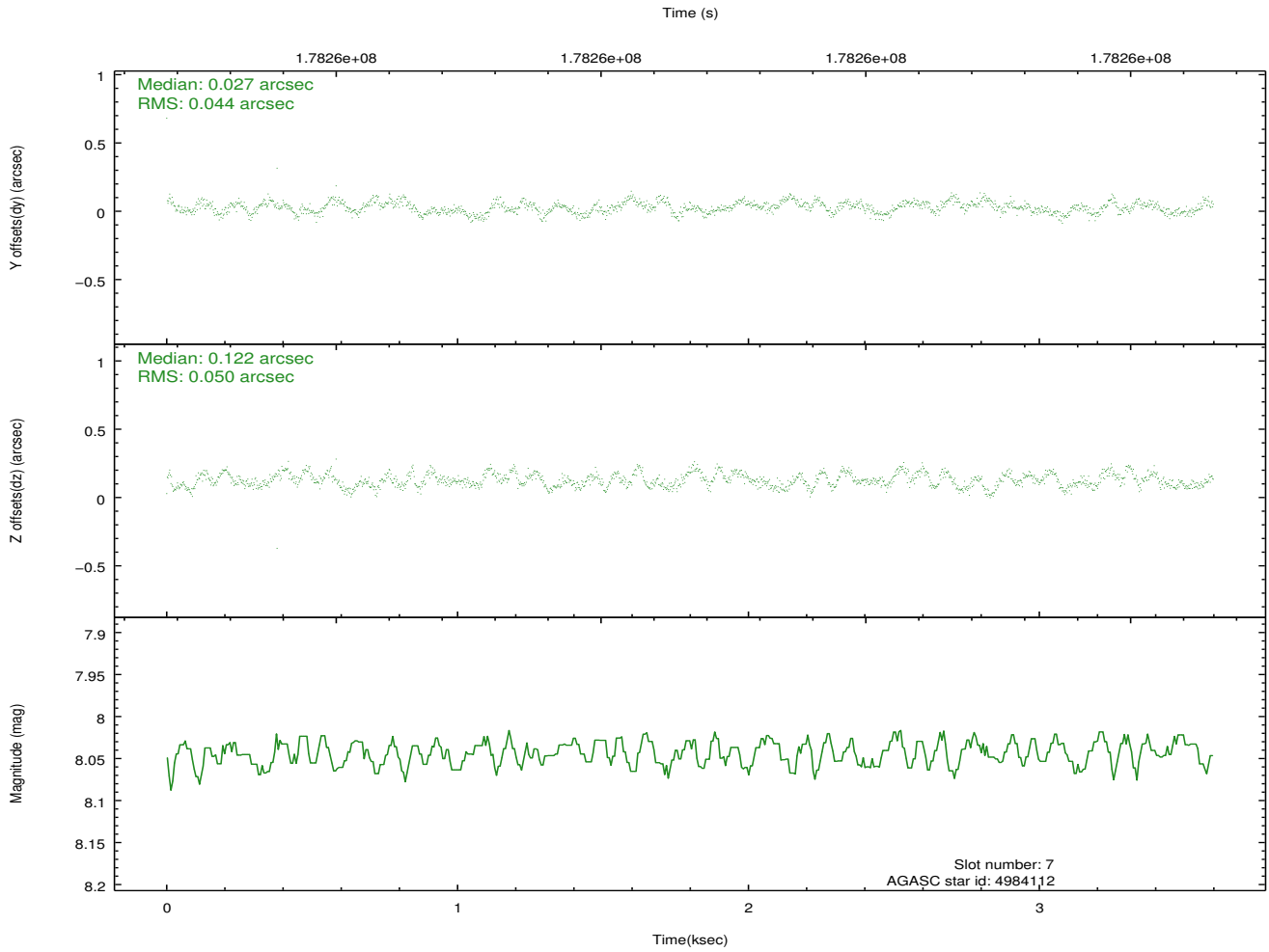
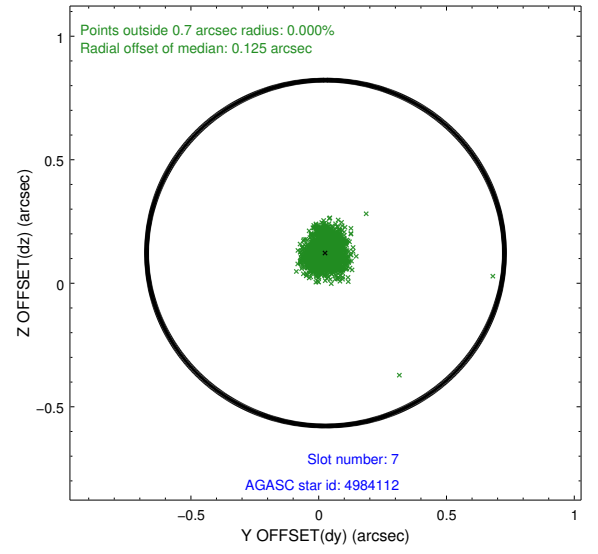
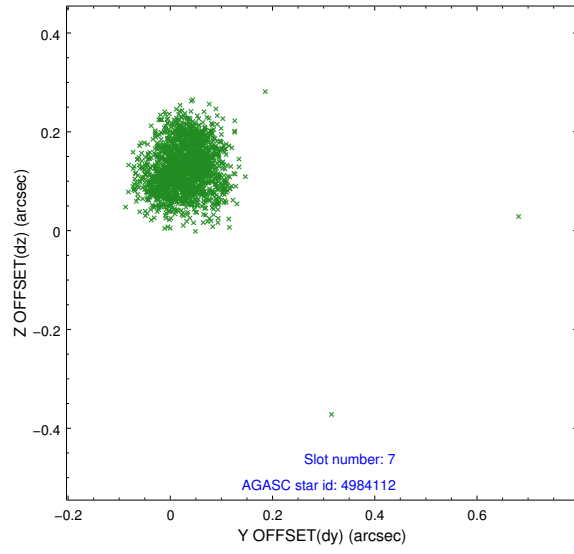
2.4.3 Slot 5



2.4.4 Slot 6

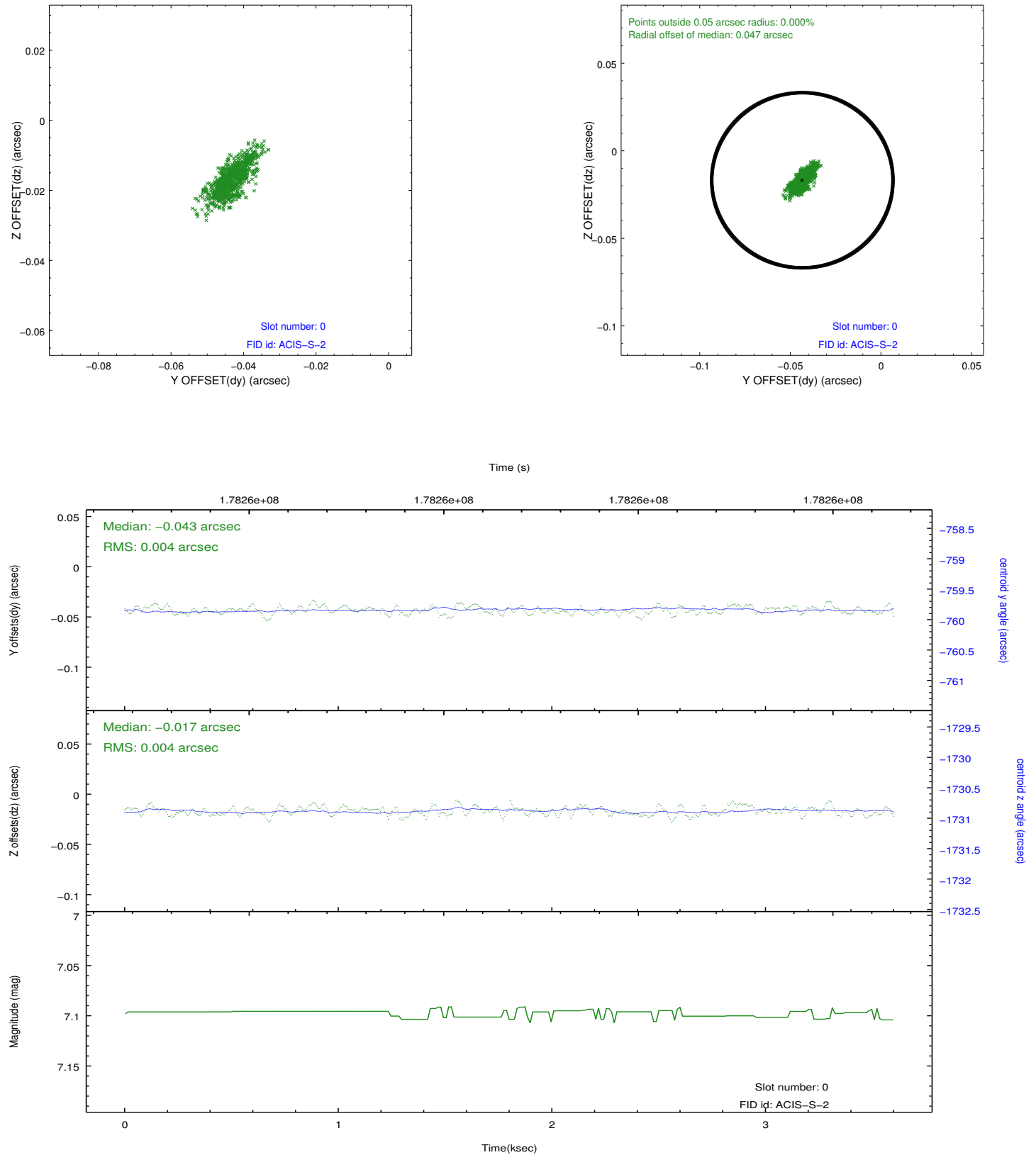


2.4.5 Slot 7

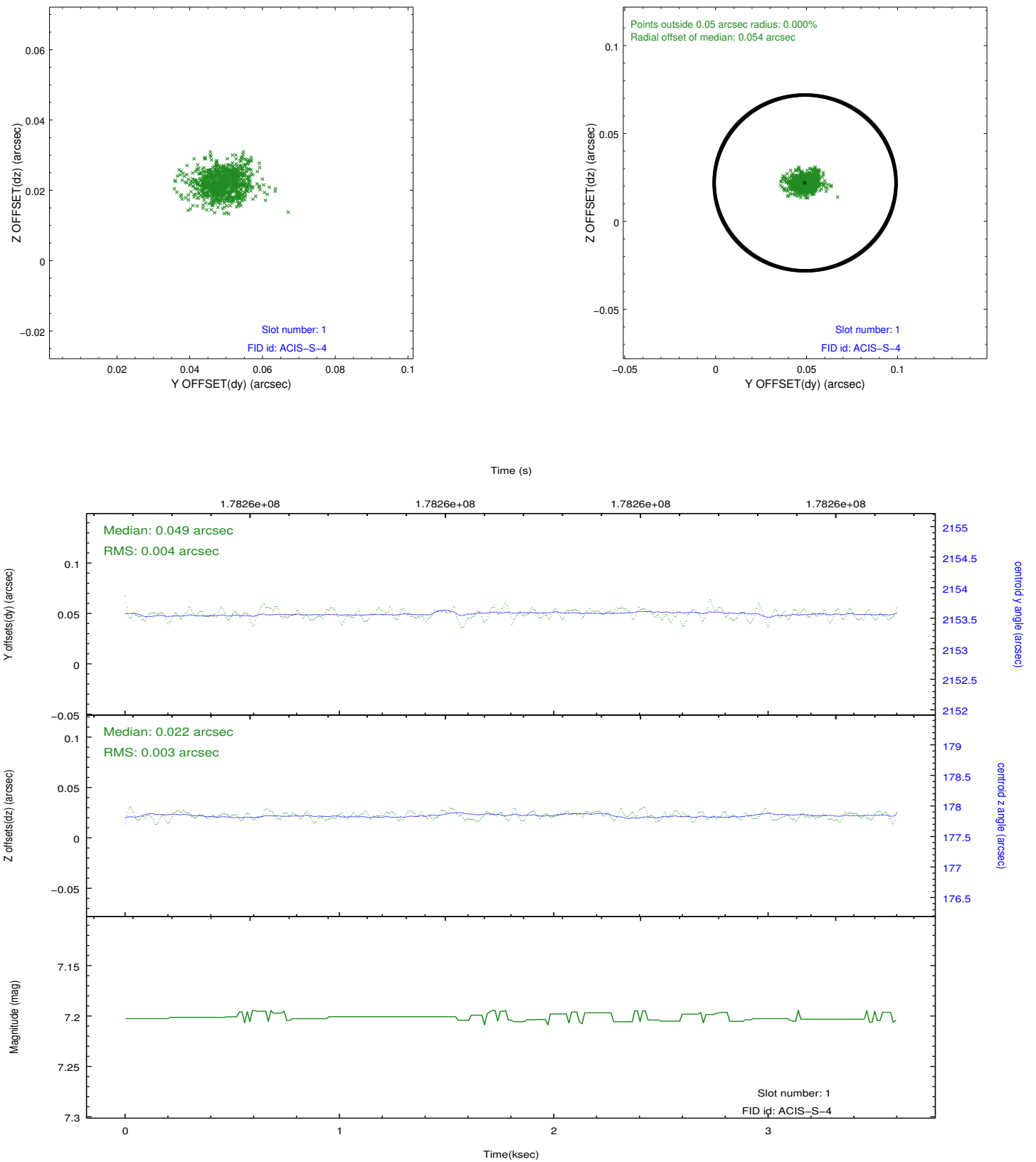


2.5 FID Slots

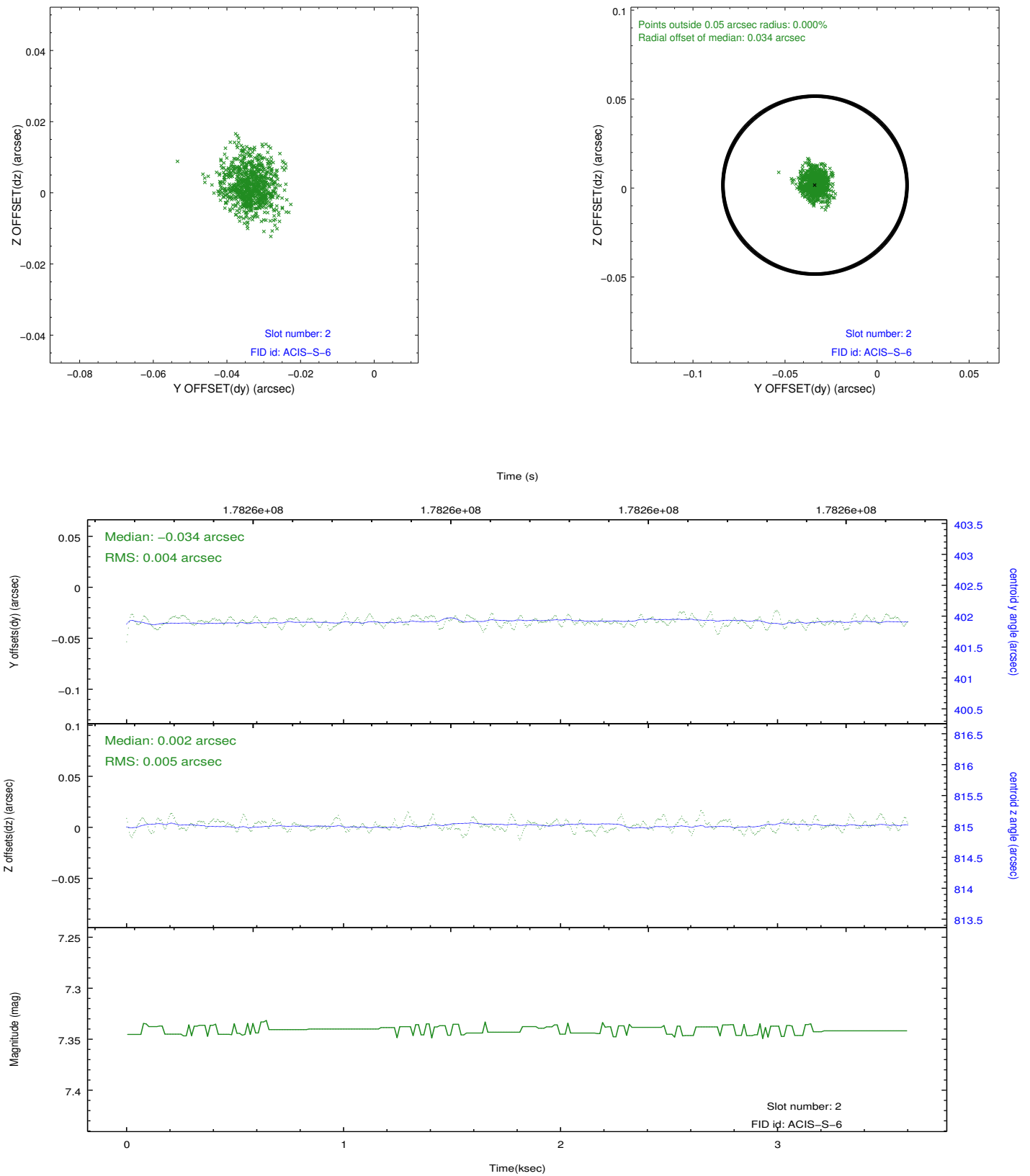
2.5.1 Slot 0



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)	2012.11.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.59

A.2 Comments