

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3740 - L2 Version 3
Chandra X-Ray Center

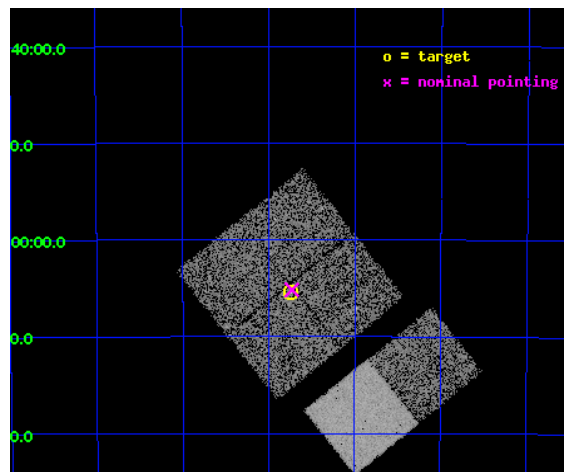
L2 Processing Date : Nov 3 2012

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

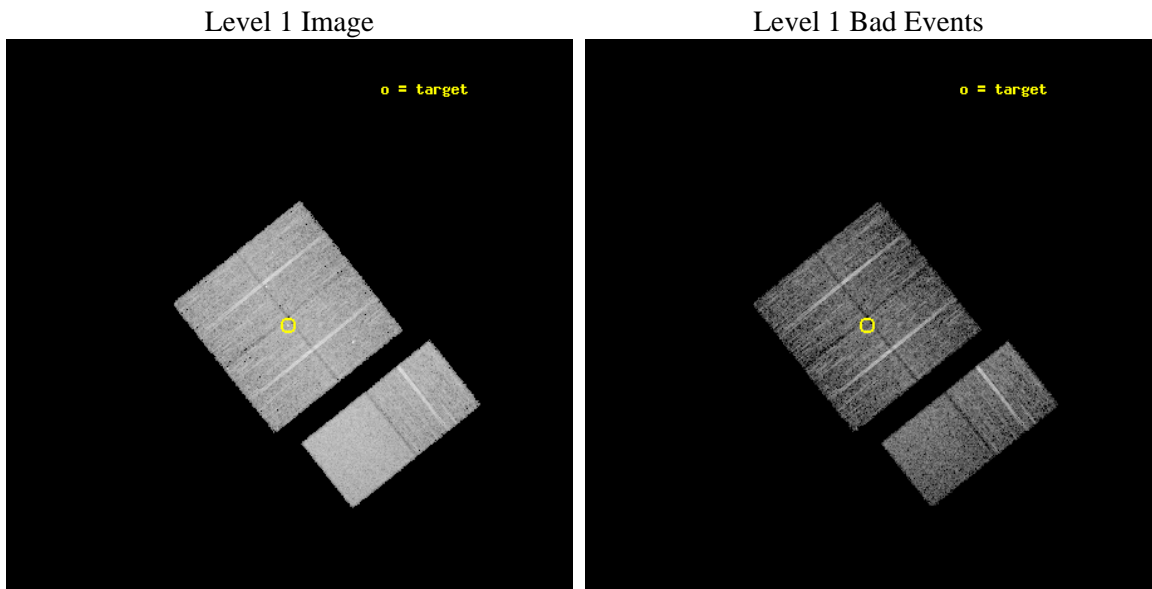
seq_num	200210	Sequence number
obs_id	3740	Observation id
title	ON THE ORIGIN OF THE X-RAY EMISSION IN LATE B-TYPE STARS	Proposal
observer	Dr. Nuria Huelamo	Principal investigator
object	HD73952	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	129.686667	Observer's specified target RA [deg]
dec_targ	-53.090389	Observer's specified target Dec [deg]
ra_nom	129.68289045284	Nominal RA [deg]
dec_nom	-53.086267506991	Nominal Dec [deg]
roll_nom	141.41349254851	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7727.999971211	Sum of GTIs [s]
livetime	7630.1433823326	Livetime [s]
ontime0	7727.999971211	Sum of GTIs [s]
ontime1	7727.999971211	Sum of GTIs [s]
ontime2	7727.999971211	Sum of GTIs [s]
ontime3	7727.999971211	Sum of GTIs [s]
ontime6	7727.999971211	Sum of GTIs [s]
ontime7	7727.999971211	Sum of GTIs [s]
l2events	50919	Number of level 2 events



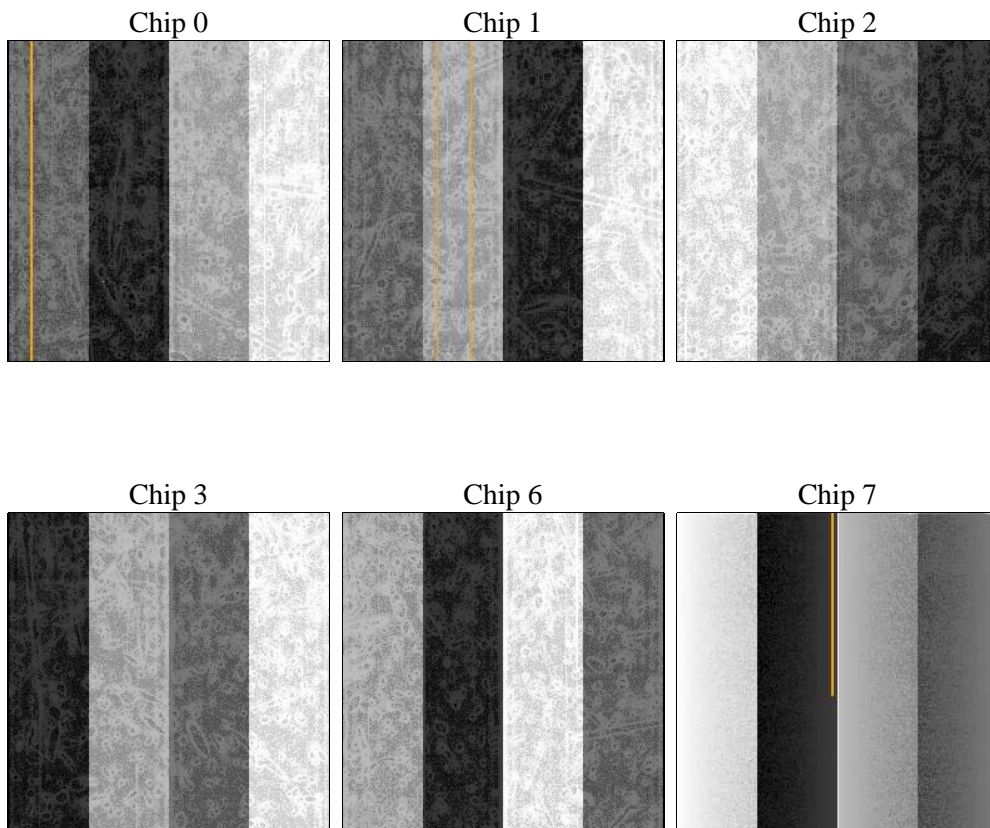
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7600.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	7727.999971211	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	7727.999971211	Sum of GTIs [s]
date	2012-11-03T19:16:20	Date and time of file creation	ontime1	7727.999971211	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	7727.999971211	Sum of GTIs [s]
			ontime3	7727.999971211	Sum of GTIs [s]
			ontime6	7727.999971211	Sum of GTIs [s]
			ontime7	7727.999971211	Sum of GTIs [s]
			l1events	328640	Number of level 1 events

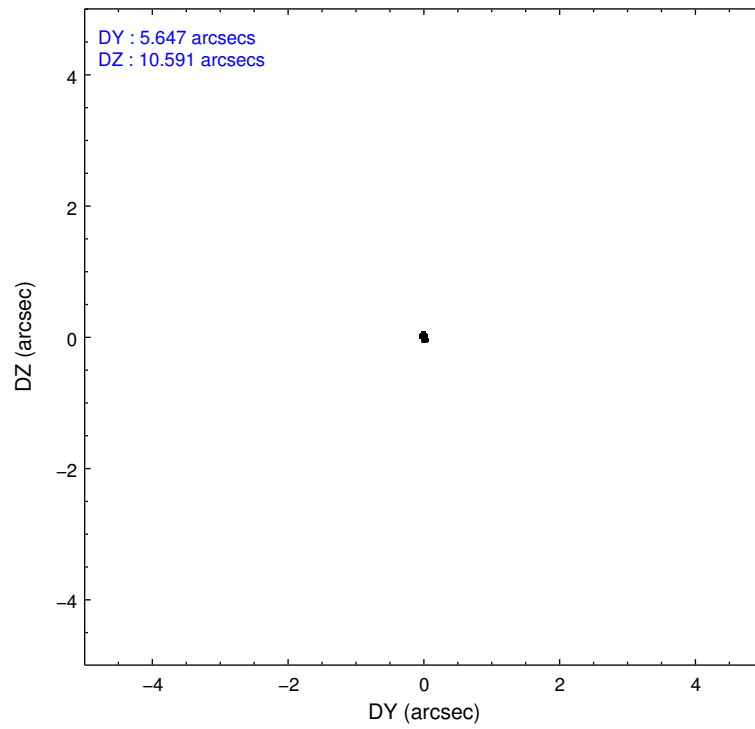
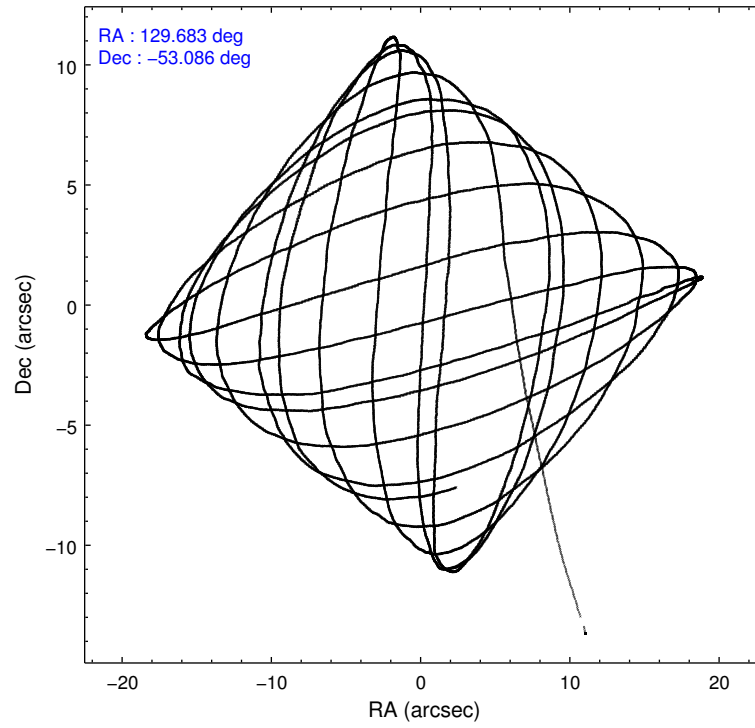
2.1.4 Events

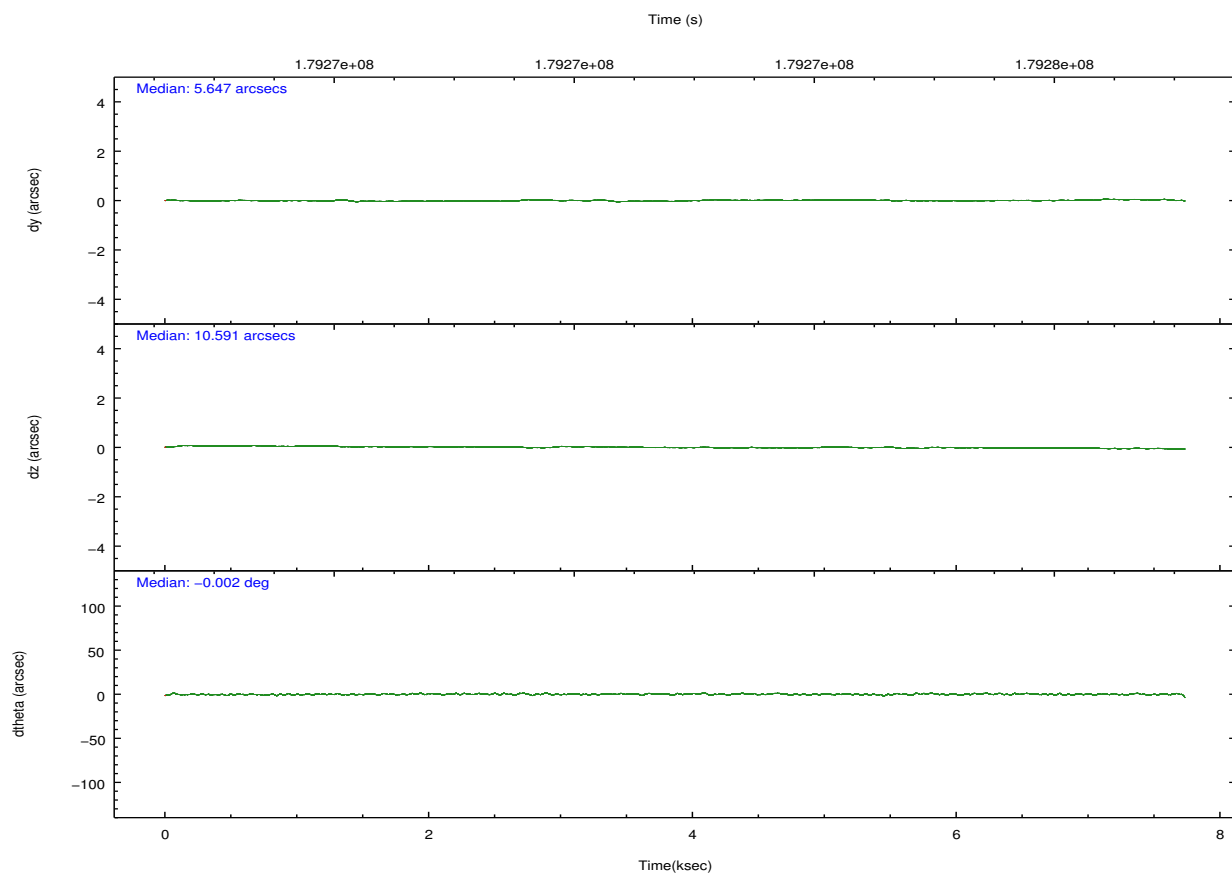
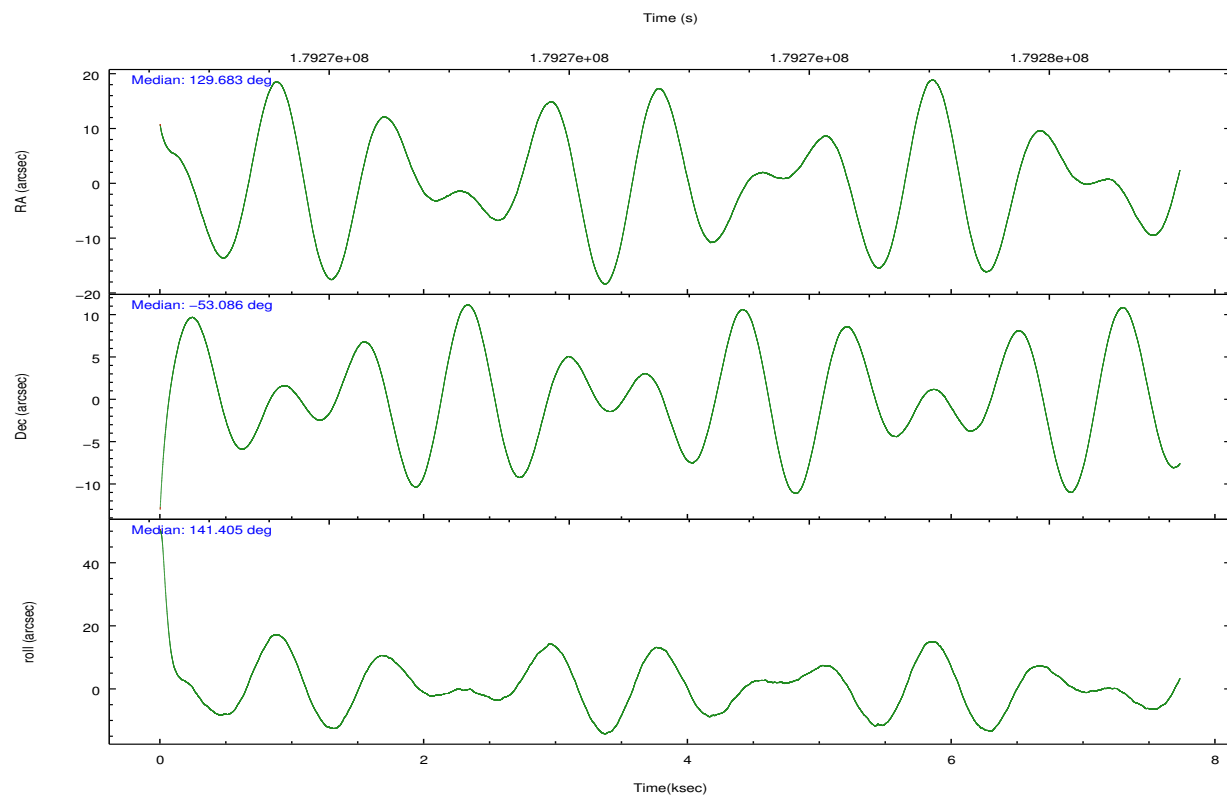
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	48919	49567	51322	52298	55306	71228	grade 0 events	3084	2598	3005	2995	2563	2506
rejected events	42812	43547	45548	46411	49537	45234		6%	5%	5%	5%	4%	3%
rejected %	87%	87%	88%	88%	89%	63%	grade 1 events	28	25	42	39	24	74
								0%	0%	0%	0%	0%	0%
							grade 2 events	1394	1387	1191	1194	1319	5608
								2%	2%	2%	2%	2%	7%
							grade 3 events	648	671	602	614	643	2620
								1%	1%	1%	1%	1%	3%
							grade 4 events	548	700	584	666	616	2588
								1%	1%	1%	1%	1%	3%
							grade 5 events	2062	2278	2111	2308	2496	6868
								4%	4%	4%	4%	4%	9%
							grade 6 events	1111	1332	1048	1053	1308	15713
								2%	2%	2%	2%	2%	22%
							grade 7 events	40044	40576	42739	43429	46337	35251
								81%	81%	83%	83%	83%	49%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	129.728106	129.6828904528363	Subarray requested	NONE	NONE
[deg] Pointing Dec	-53.090289	-53.08626750699098	Alternating exposures requested	N	N
[deg] Pointing Roll	141.240888	141.4134925485144	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	179269110.184000	179267630.27716			
Observation start date	2003-09-06T20:57:26	2003-09-06T20:33:50			
[s] Observation end time (MET)	179276710.184000	179277614.80259			
Observation end date	2003-09-06T23:04:06	2003-09-06T23:20:14			
Read mode	TIMED	TIMED			

2.3 Aspect



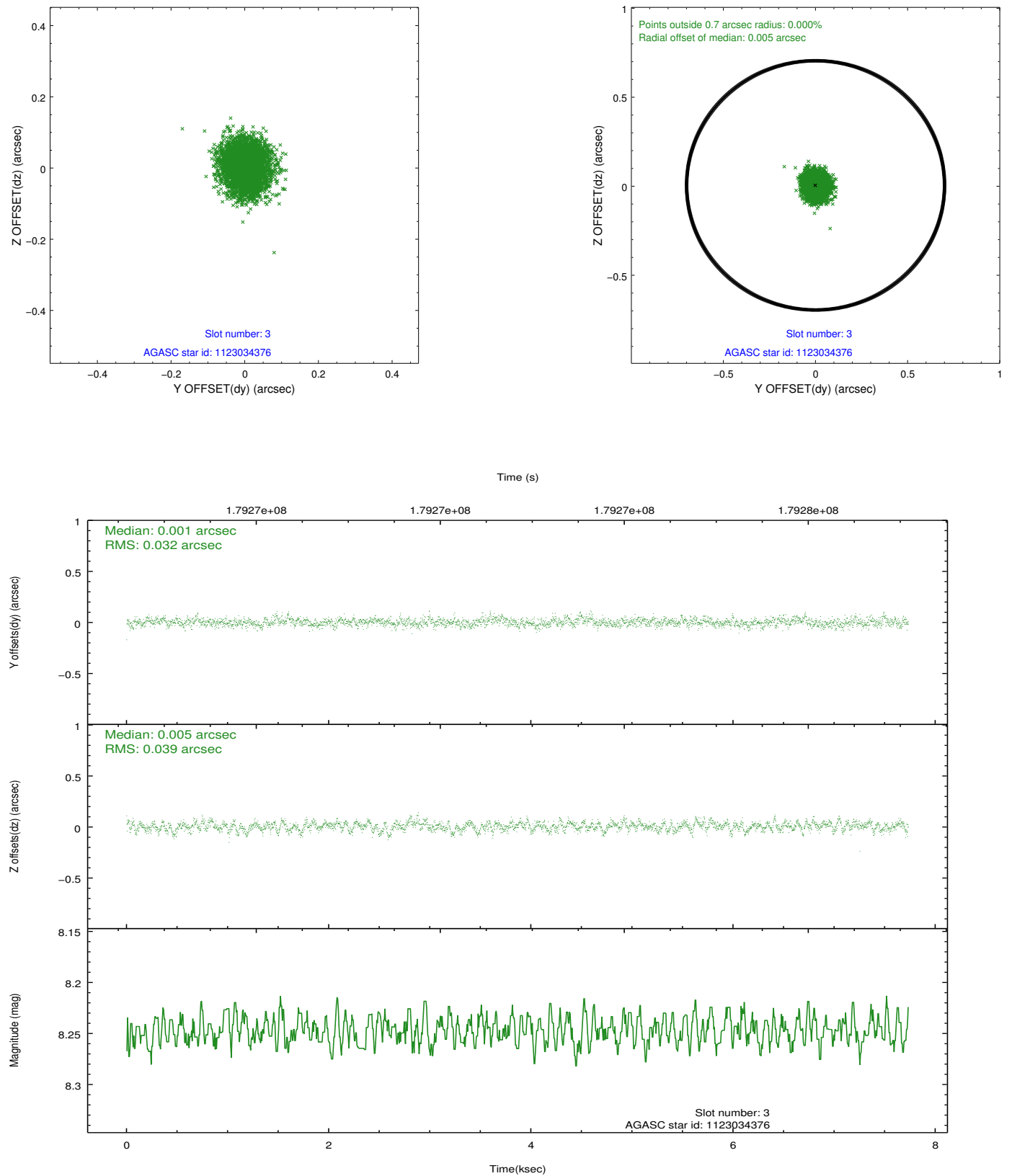


Slot Statistics

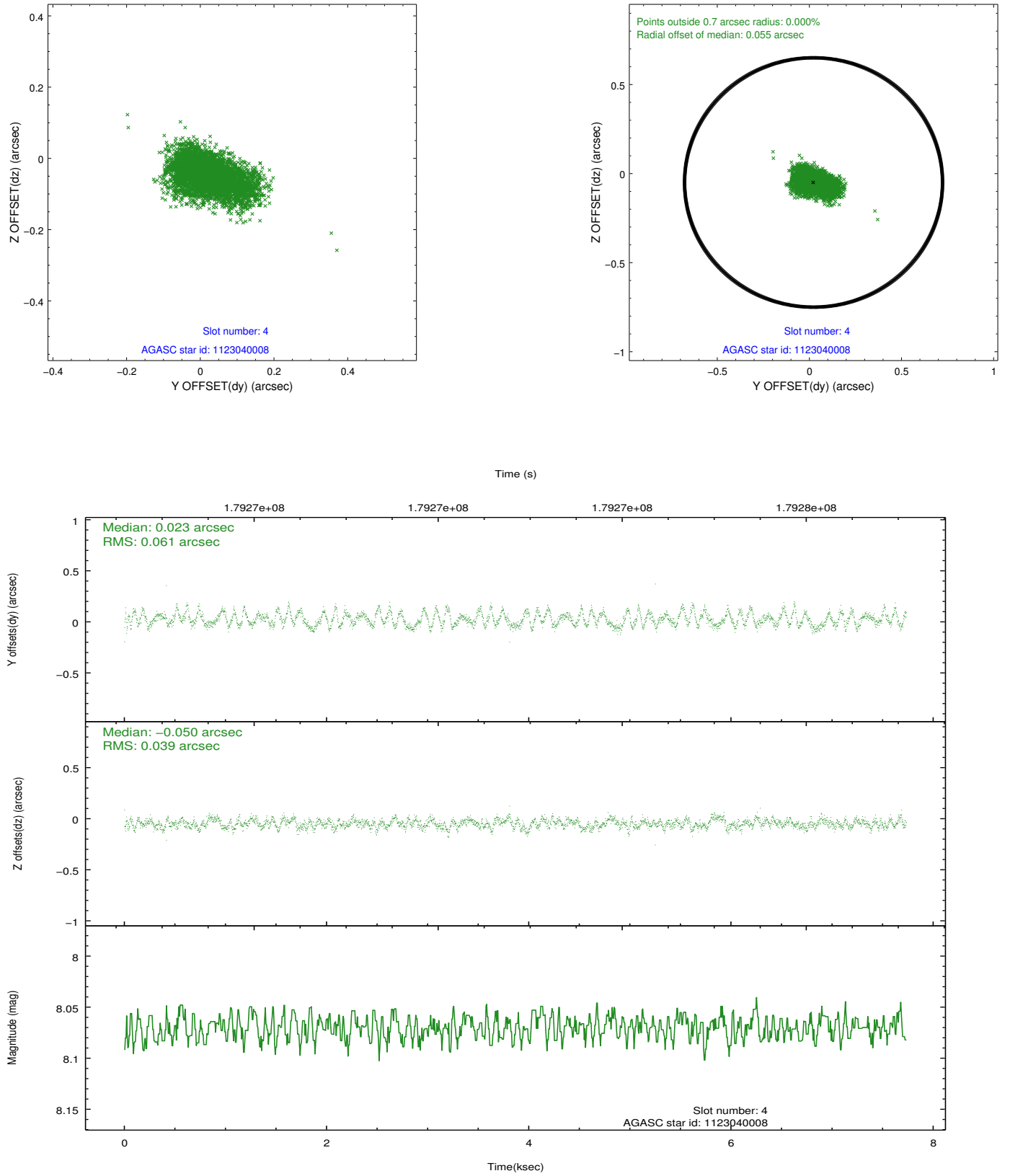
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-4	7.17	1887	0.019	0.044	0.007	0.013	0.000000	0.000000	2154.05	1065.83
1	FID	ACIS-I-5	7.23	1887	-0.146	0.027	0.005	0.009	0.000000	0.000000	-1813.12	1064.08
2	FID	ACIS-I-6	7.25	1887	0.027	-0.005	0.008	0.013	0.000000	0.000000	398.86	1708.37
3	GUIDE	1123034376	8.25	3773	0.001	0.005	0.054	0.088	129.294127	-53.259309	345.95	1061.88
4	GUIDE	1123040008	8.07	3773	0.023	-0.050	0.077	0.126	129.599630	-53.721774	-1210.13	1944.37
5	GUIDE	1123049840	7.32	3773	-0.025	-0.026	0.049	0.088	128.539940	-53.071509	2032.33	1573.63
6	GUIDE	1123167992	9.37	3771	-0.089	0.058	0.085	0.142	130.637273	-53.029407	-1404.92	-1393.15
7	GUIDE	1069964528	8.78	3768	0.083	0.014	0.085	0.139	129.621473	-52.201002	2187.70	-2349.05

2.4 Star Slots

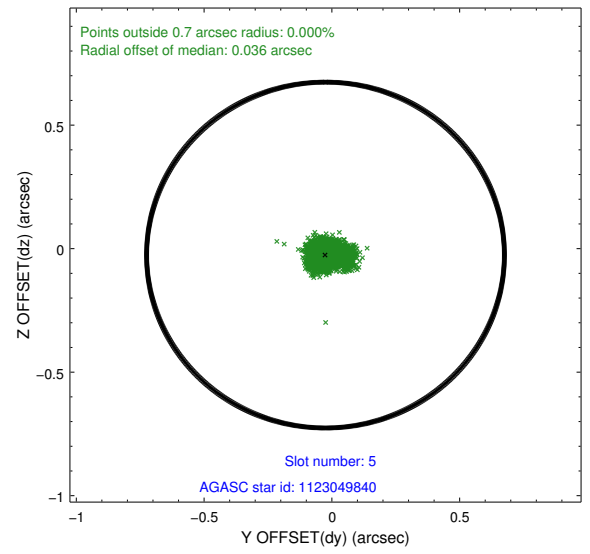
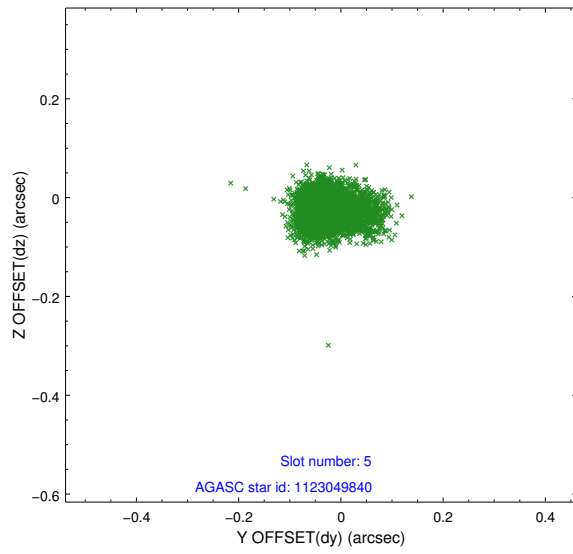
2.4.1 Slot 3



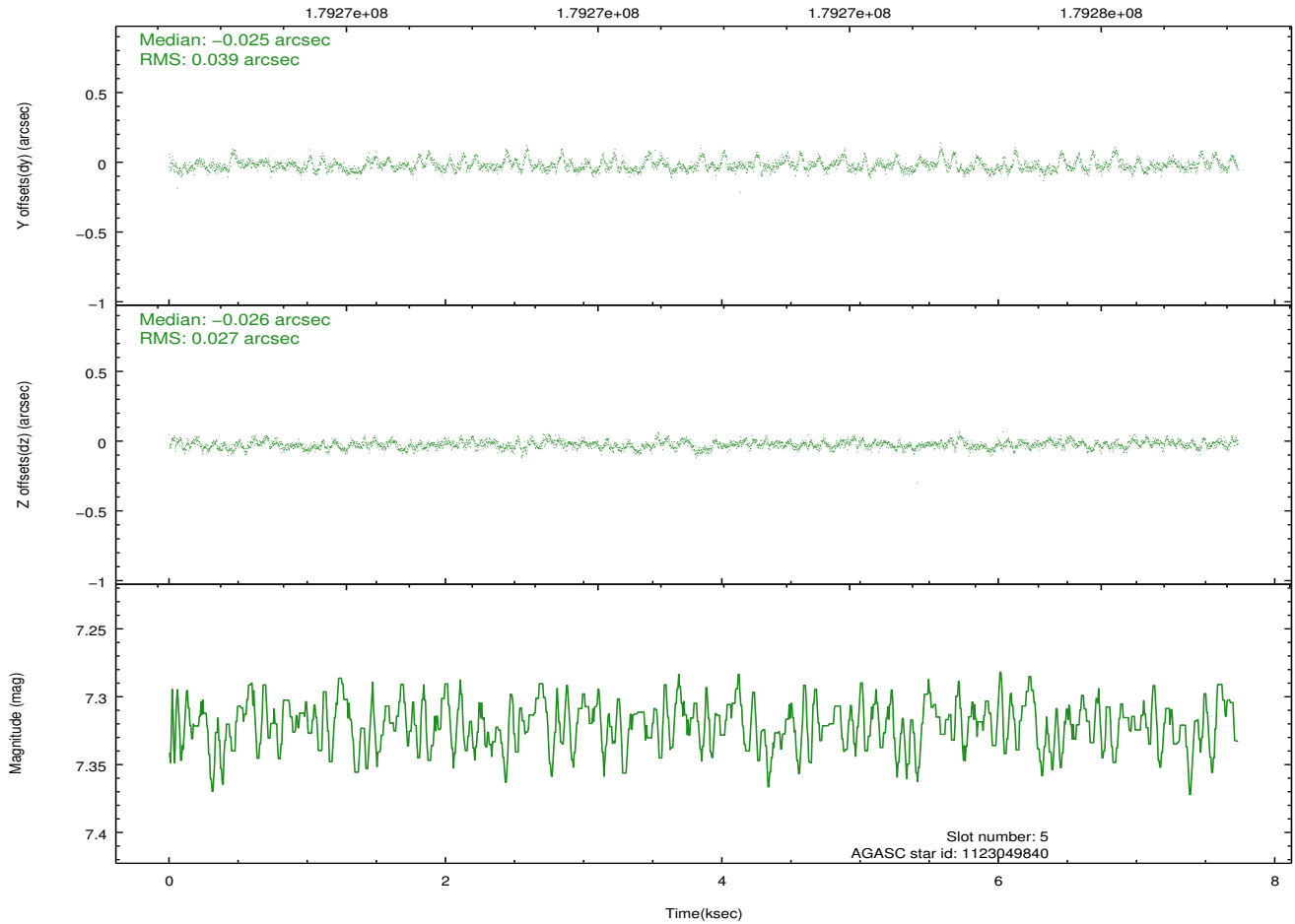
2.4.2 Slot 4



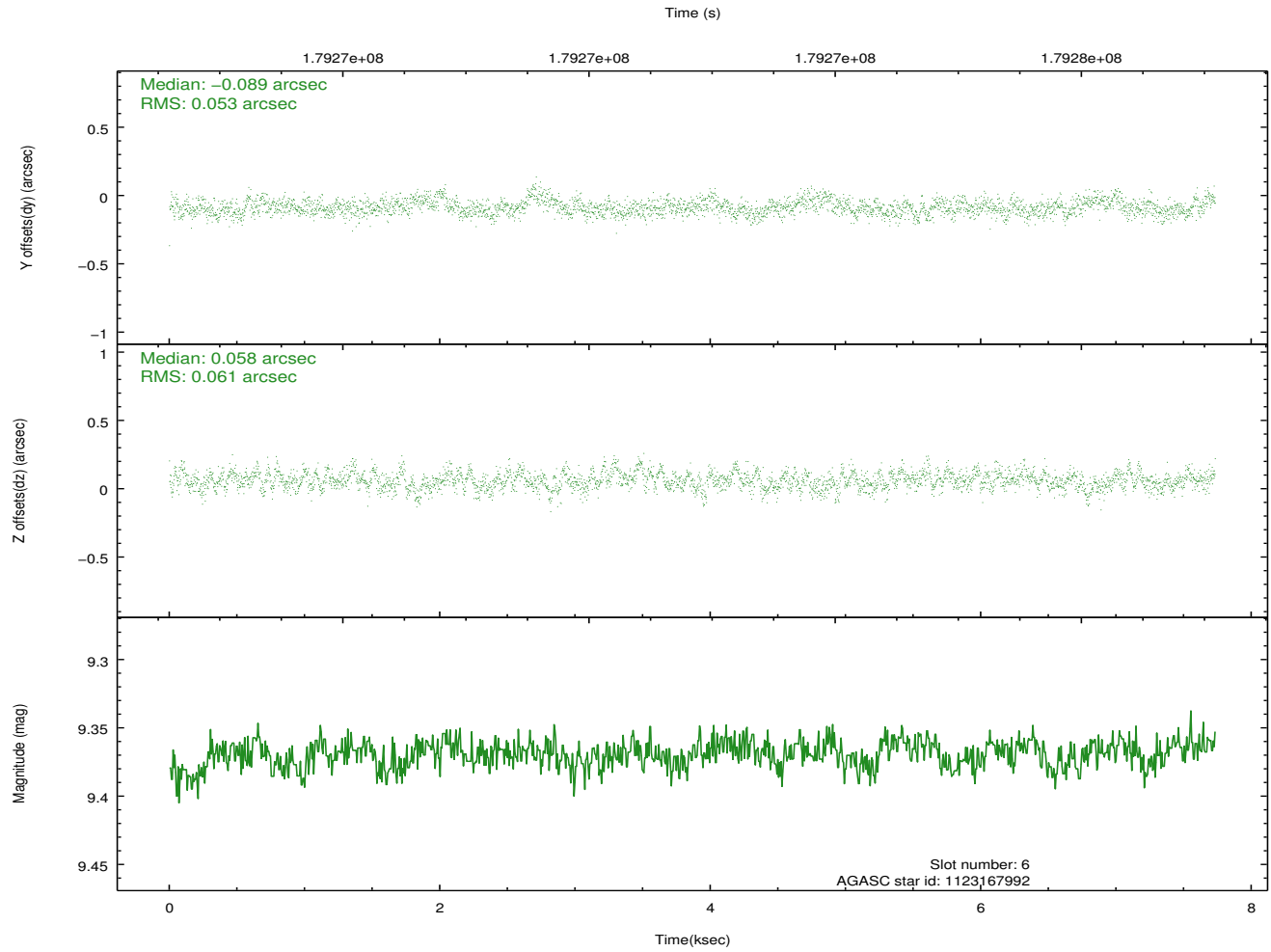
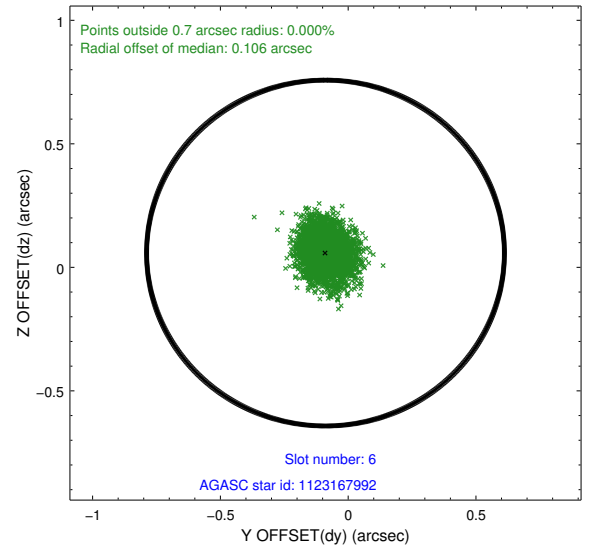
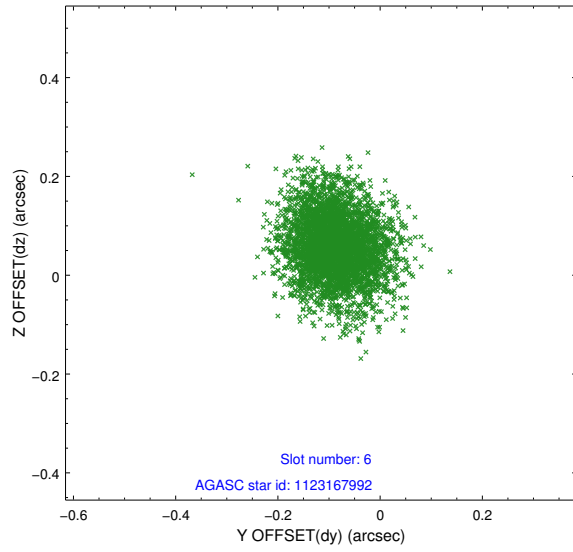
2.4.3 Slot 5



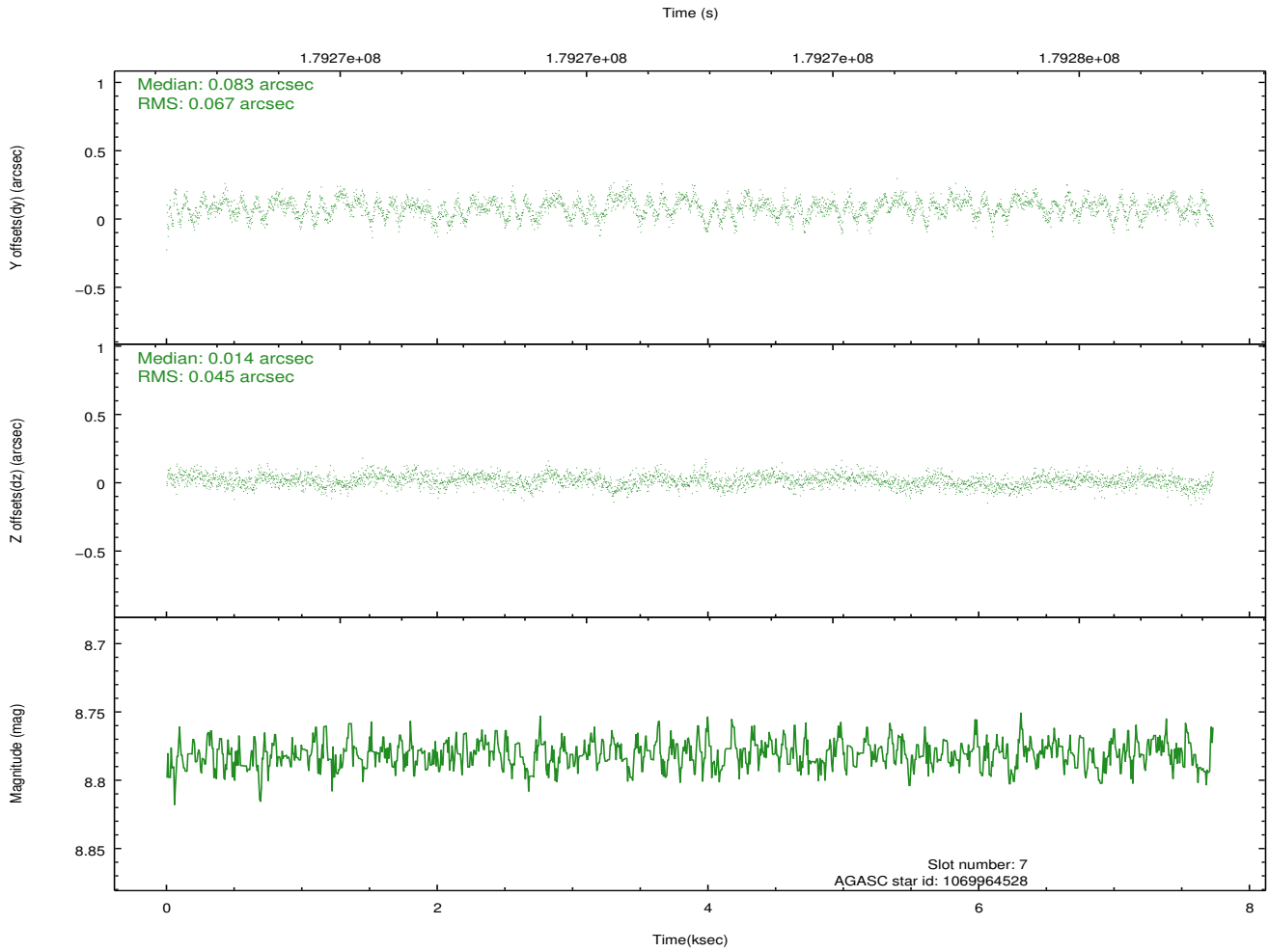
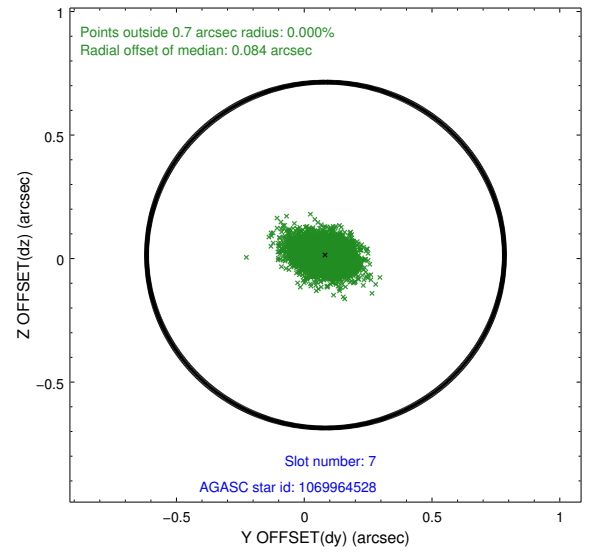
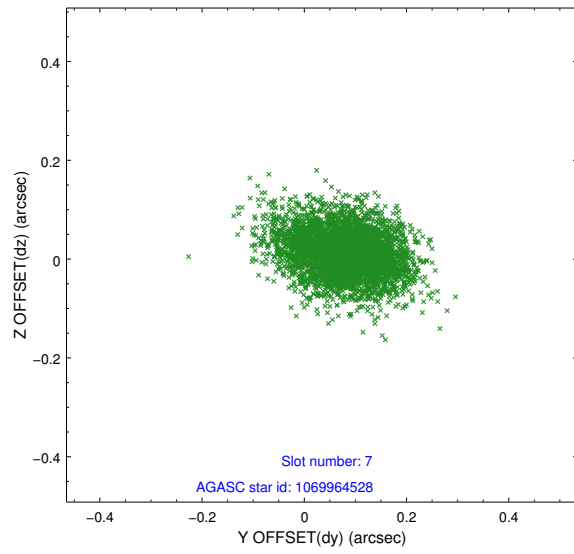
Time (s)



2.4.4 Slot 6

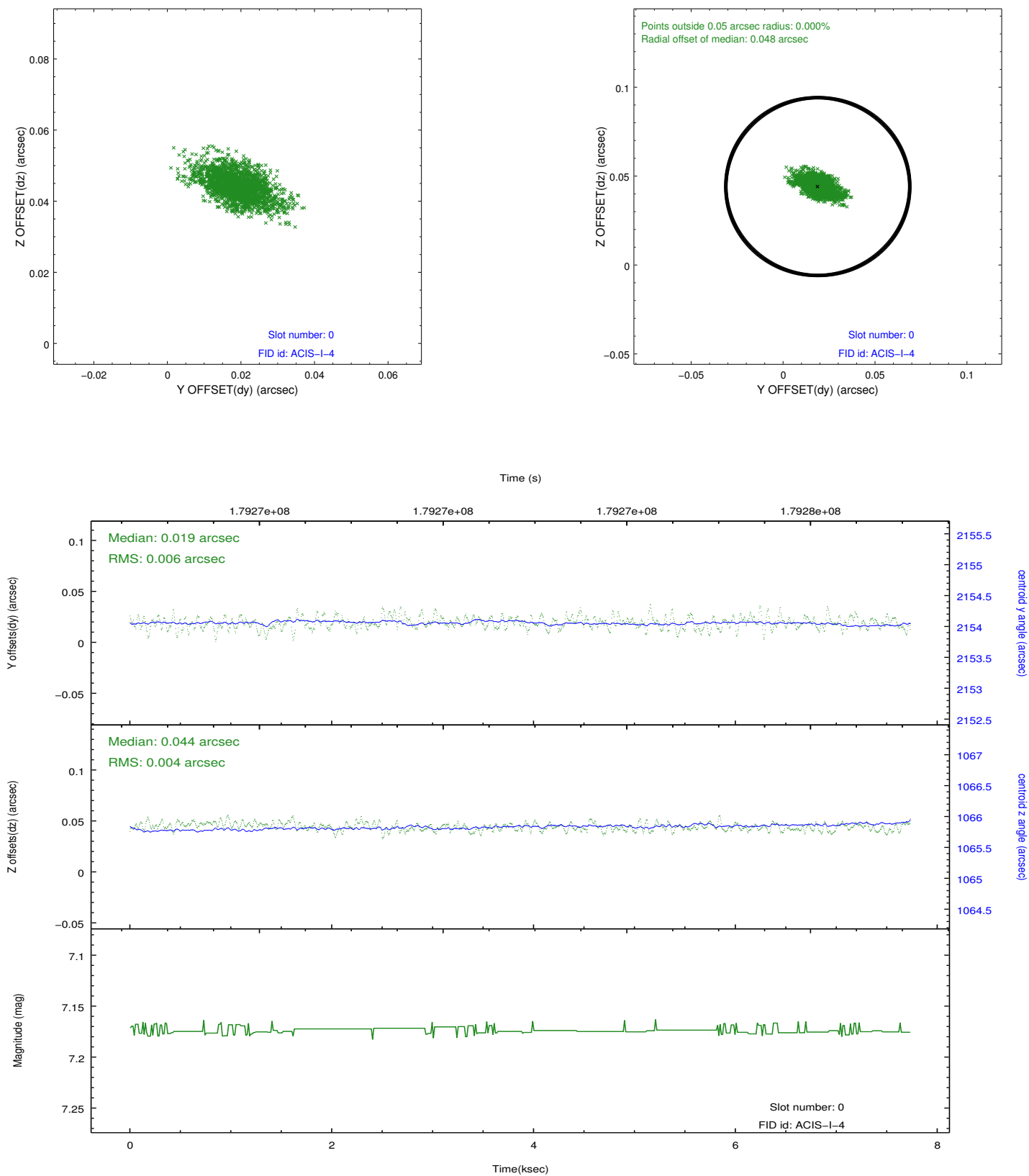


2.4.5 Slot 7

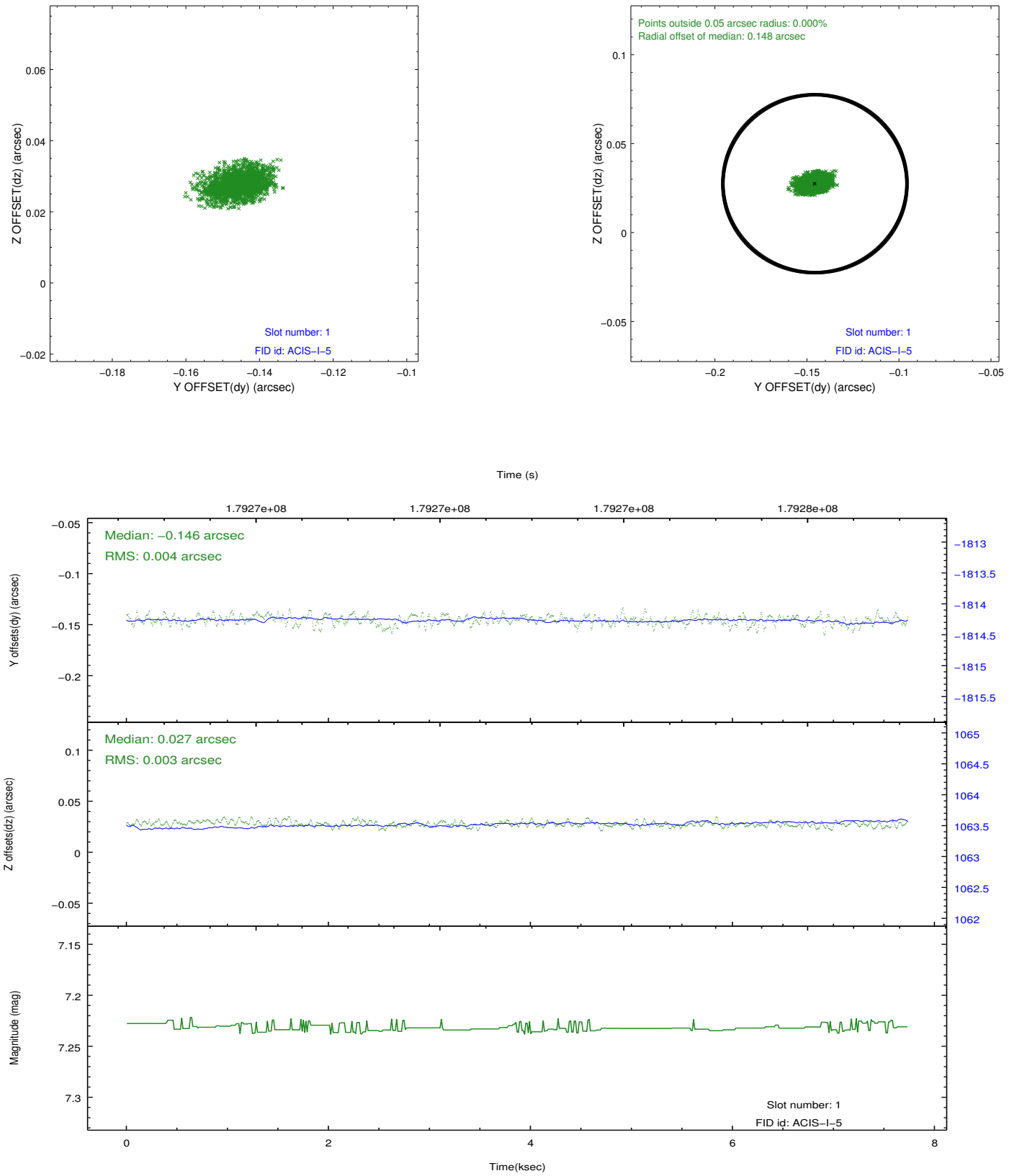


2.5 FID Slots

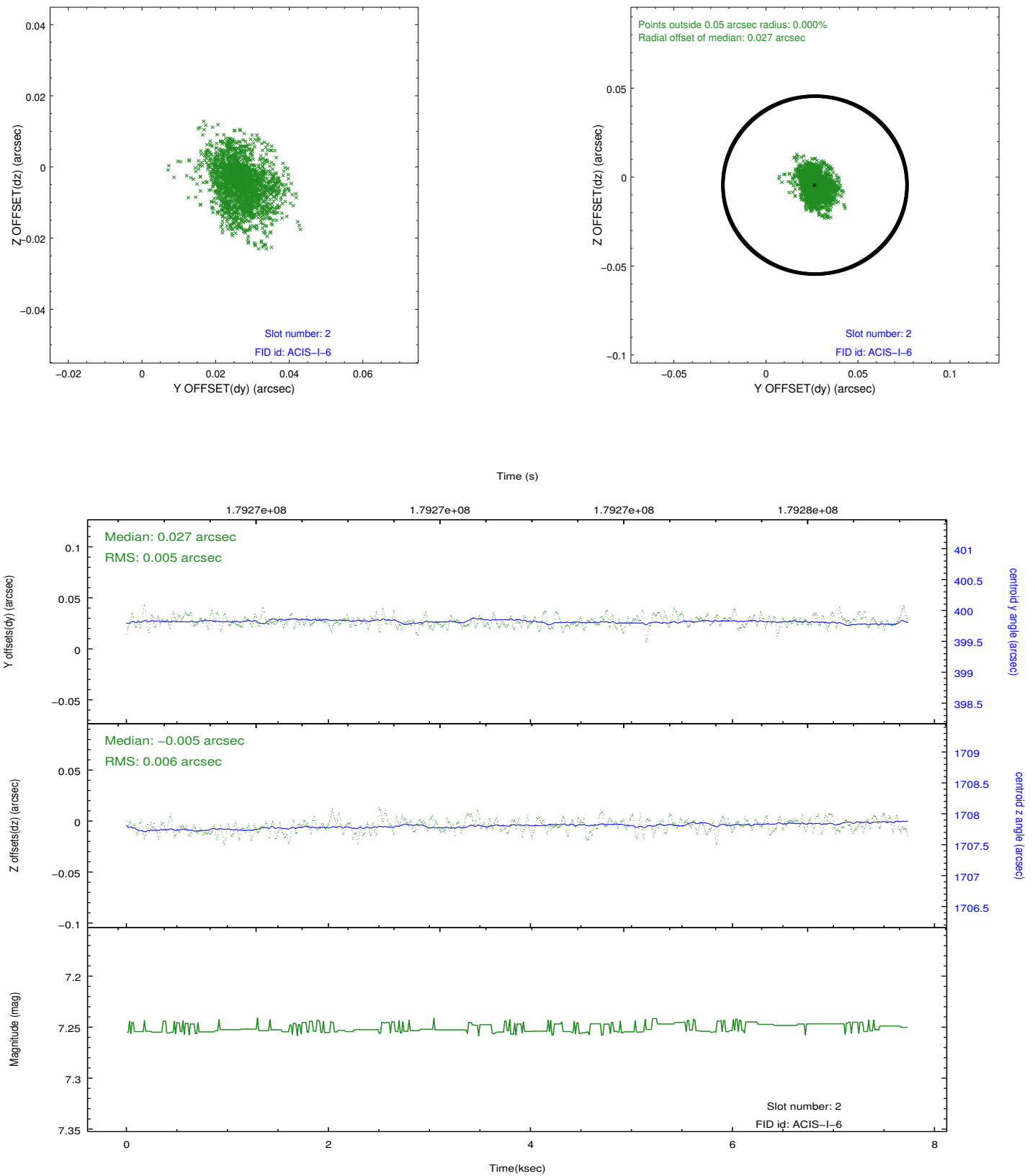
2.5.1 Slot 0



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)	2012.11.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.727

A.2 Comments