

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7503 - L2 Version 2
Chandra X-Ray Center

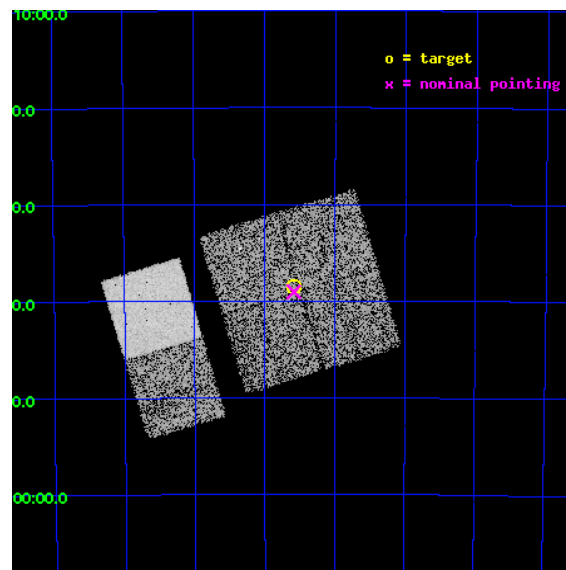
L2 Processing Date : Apr 27 2012

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

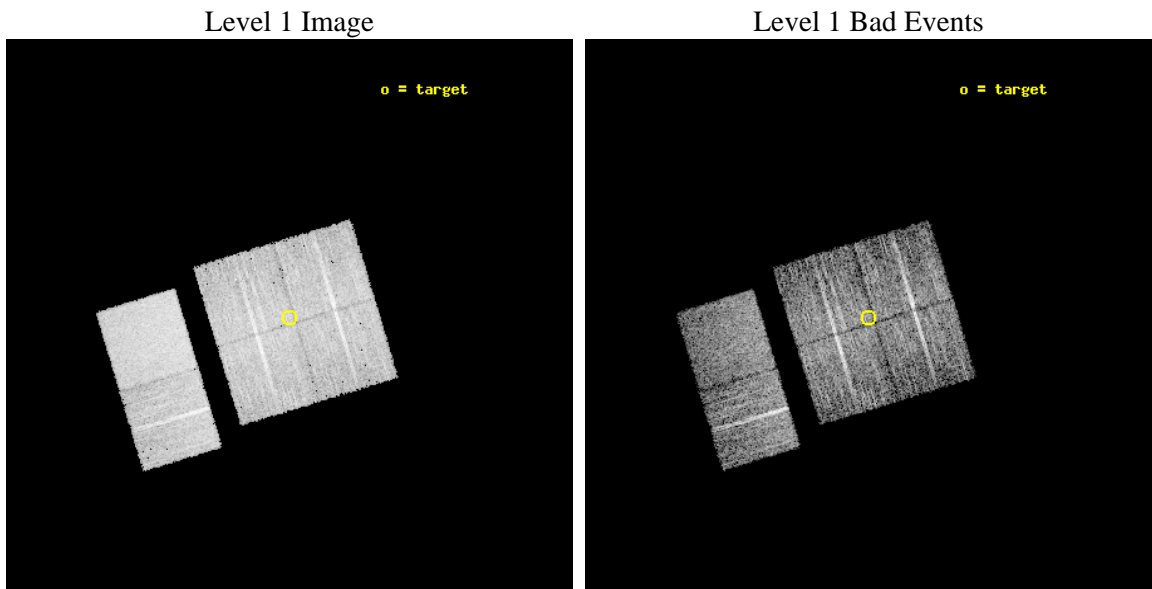
seq_num	400613	Sequence number
obs_id	7503	Observation id
title	Supergiant Fast X-ray Transients: New Candidates and Characterization of Quiescence	Proposal title
observer	Prof. David Smith	Principal investigator
object	1A 1244-60	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	191.895833	Observer's specified target RA [deg]
dec_targ	-60.642778	Observer's specified target Dec [deg]
ra_nom	191.89623555569	Nominal RA [deg]
dec_nom	-60.650825250395	Nominal Dec [deg]
roll_nom	253.2116556614	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4751.4119880795	Sum of GTIs [s]
livetime	4691.2467485297	Livetime [s]
ontime0	4751.2888680696	Sum of GTIs [s]
ontime1	4751.3299080729	Sum of GTIs [s]
ontime2	4751.3709480762	Sum of GTIs [s]
ontime3	4751.4119880795	Sum of GTIs [s]
ontime6	4751.4940680861	Sum of GTIs [s]
ontime7	4751.4530181885	Sum of GTIs [s]
l2events	50913	Number of level 2 events



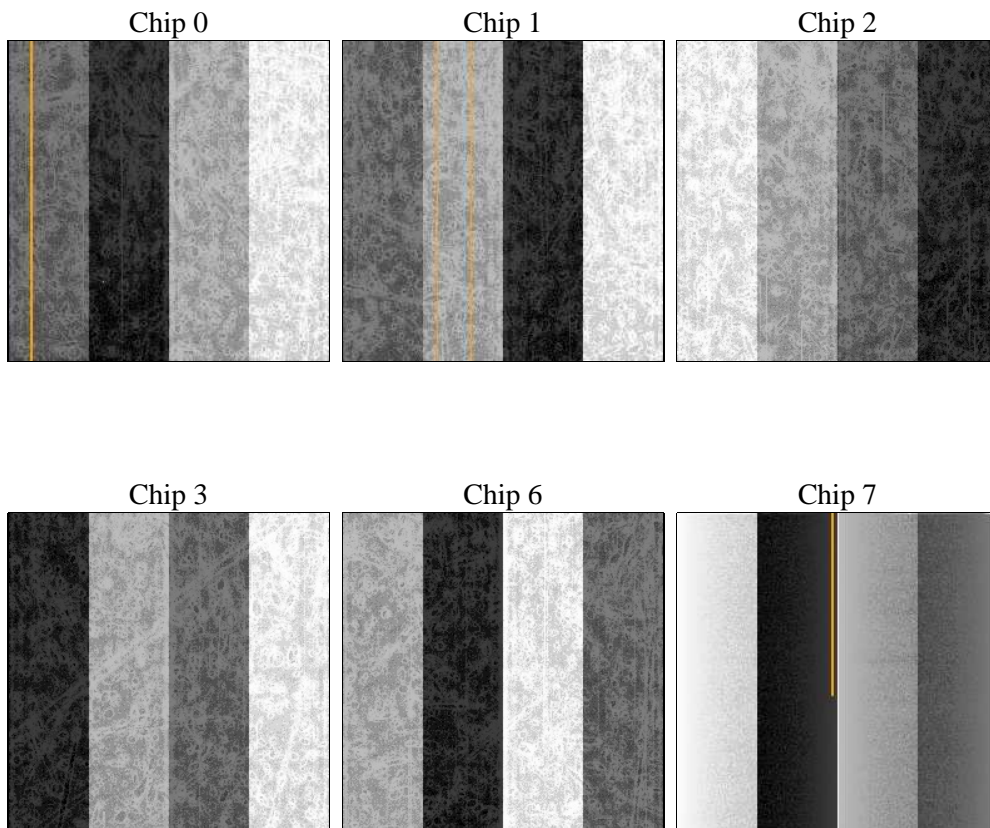
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	4751.4119880795	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	4751.2888680696	Sum of GTIs [s]
date	2012-04-27T14:23:38	Date and time of file creation	ontime1	4751.3299080729	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	4751.3709480762	Sum of GTIs [s]
			ontime3	4751.4119880795	Sum of GTIs [s]
			ontime6	4751.4940680861	Sum of GTIs [s]
			ontime7	4751.4530181885	Sum of GTIs [s]
			l1events	288559	Number of level 1 events

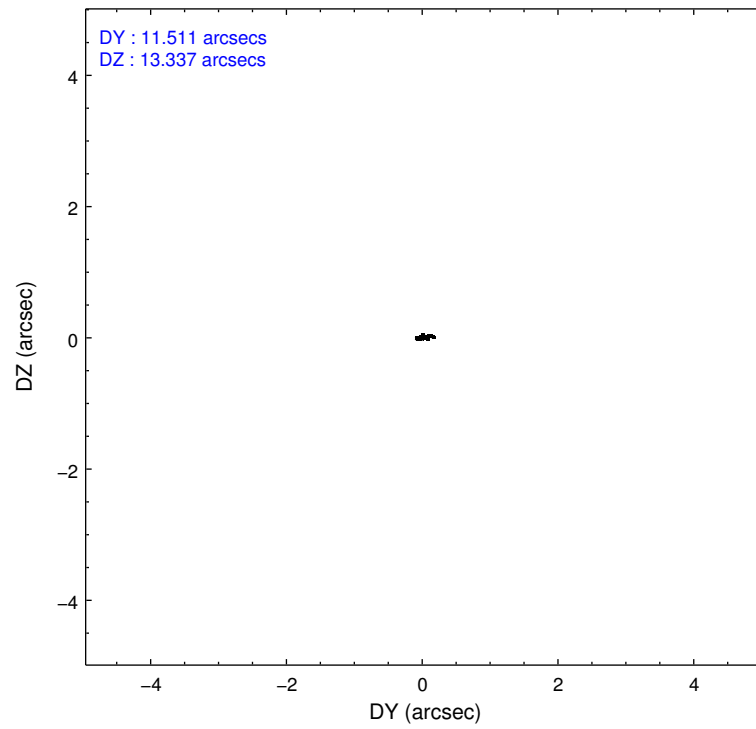
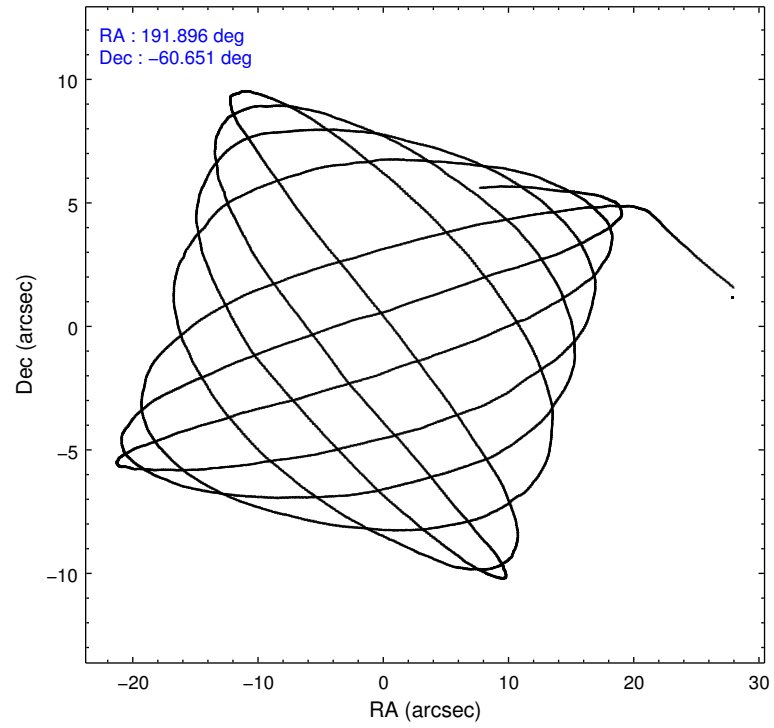
2.1.4 Events

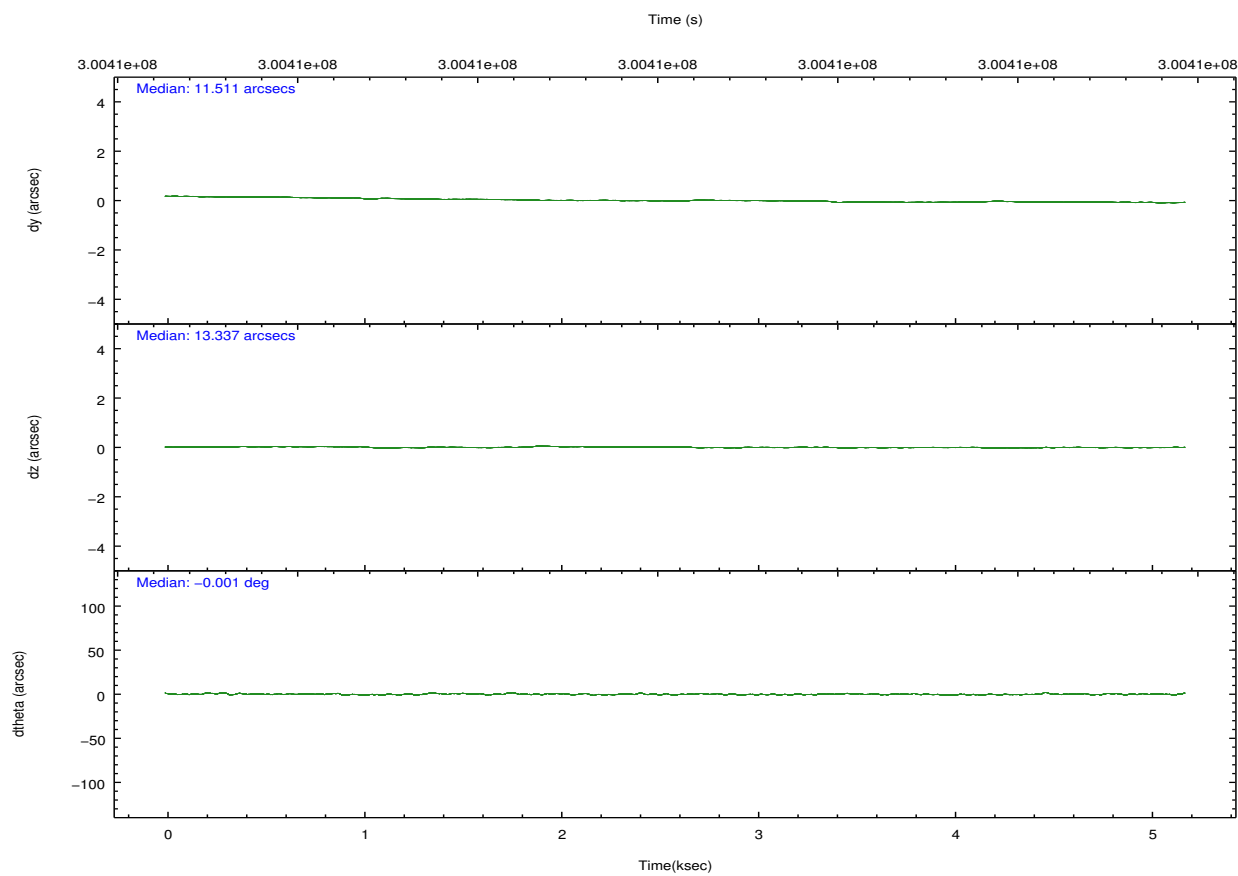
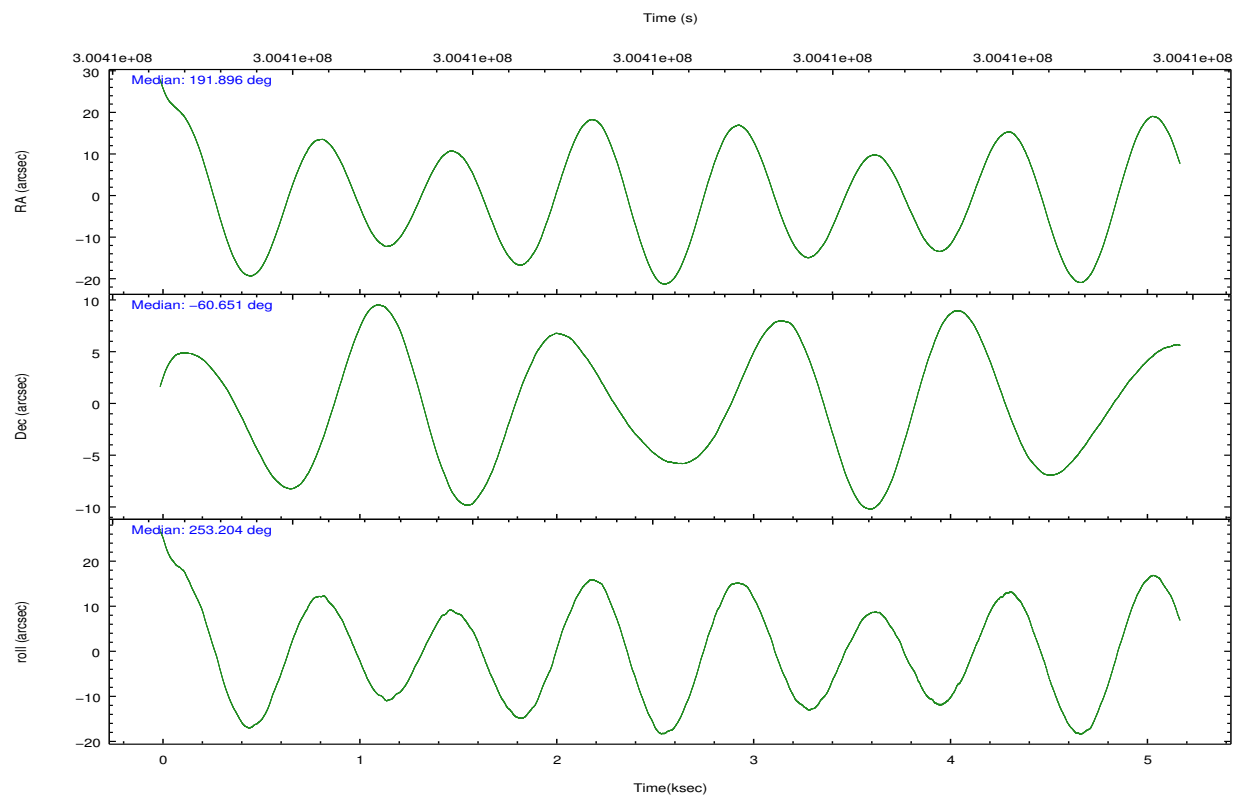
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	41647	44144	45577	45578	47324	64289	grade 0 events	2360	2346	2374	2599	2366	2257
rejected events	36161	38027	40154	39802	41477	37469		5%	5%	5%	5%	4%	3%
rejected %	86%	86%	88%	87%	87%	58%	grade 1 events	24	16	32	35	22	65
								0%	0%	0%	0%	0%	0%
							grade 2 events	1191	1479	1164	1119	1240	5341
								2%	3%	2%	2%	2%	8%
							grade 3 events	512	542	535	589	535	2367
								1%	1%	1%	1%	1%	3%
							grade 4 events	499	596	453	517	546	2275
								1%	1%	0%	1%	1%	3%
							grade 5 events	1895	2064	1800	2146	2211	5955
								4%	4%	3%	4%	4%	9%
							grade 6 events	935	1167	903	961	1166	14610
								2%	2%	1%	2%	2%	22%
							grade 7 events	34231	35934	38316	37612	39238	31419
								82%	81%	84%	82%	82%	48%

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	191.882954	191.8962355556913	Subarray requested	NONE	NONE
[deg] Pointing Dec	-60.624118	-60.65082525039458	Alternating exposures requested	N	N
[deg] Pointing Roll	252.991391	253.2116556613968	[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)	300407686.184000	300406679.12425			
Observation start date	2007-07-09T22:33:41	2007-07-09T22:17:59			
[s] Observation end time (MET)	300412686.184000	300413597.36208			
Observation end date	2007-07-09T23:57:01	2007-07-10T00:13:17			
Read mode	TIMED	TIMED			

2.3 Aspect



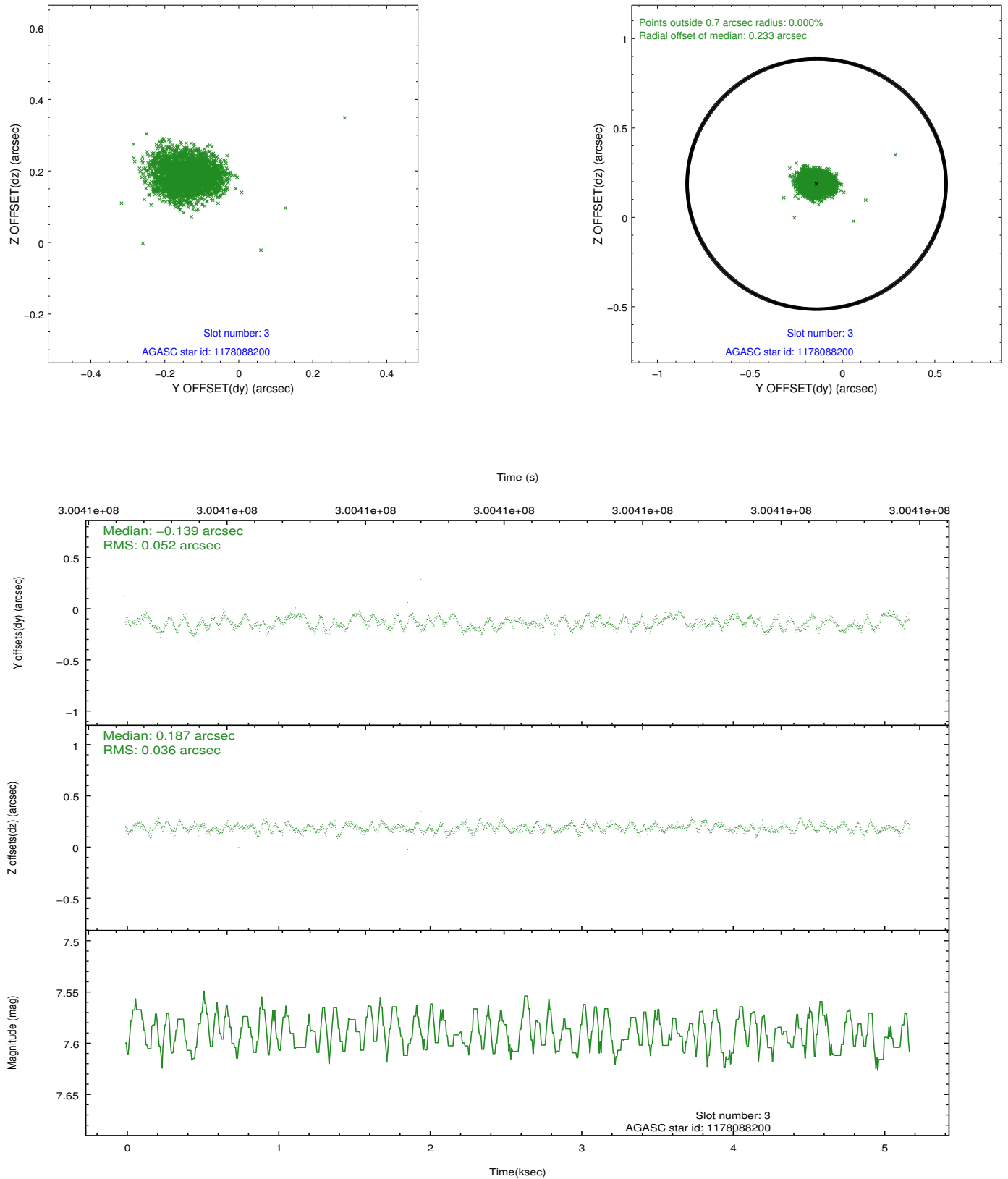


Slot Statistics

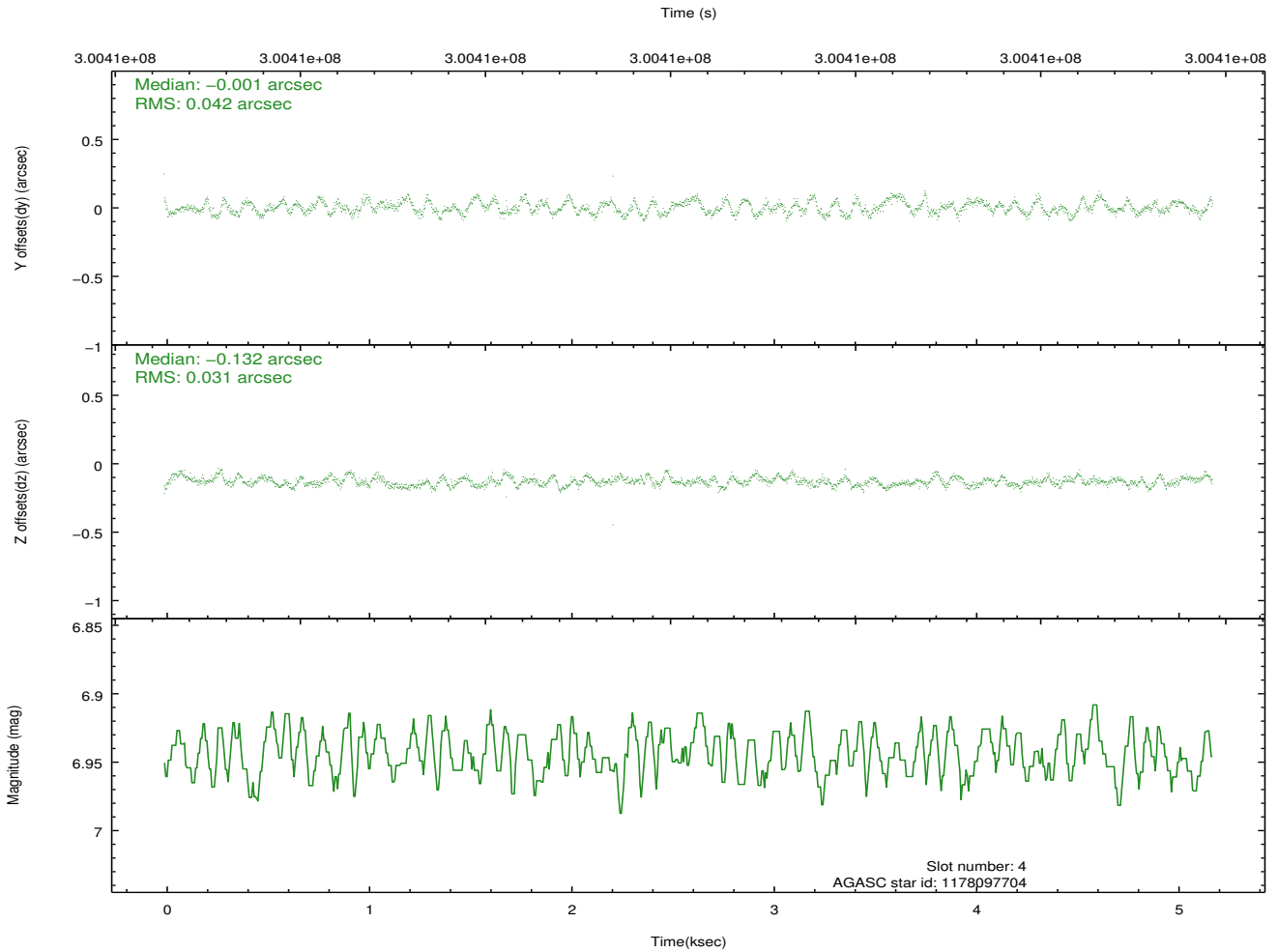
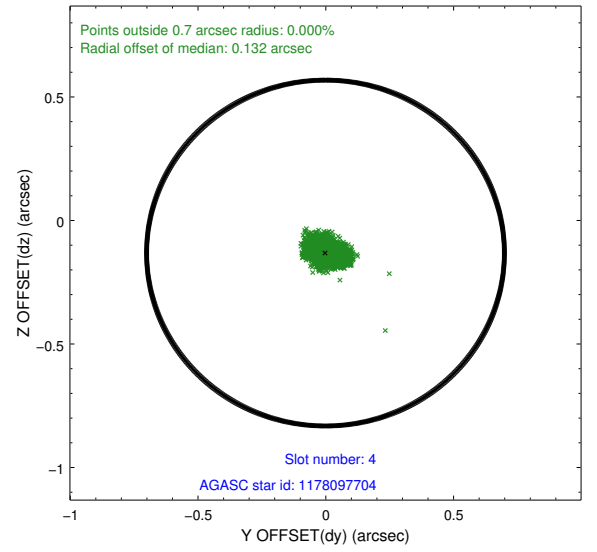
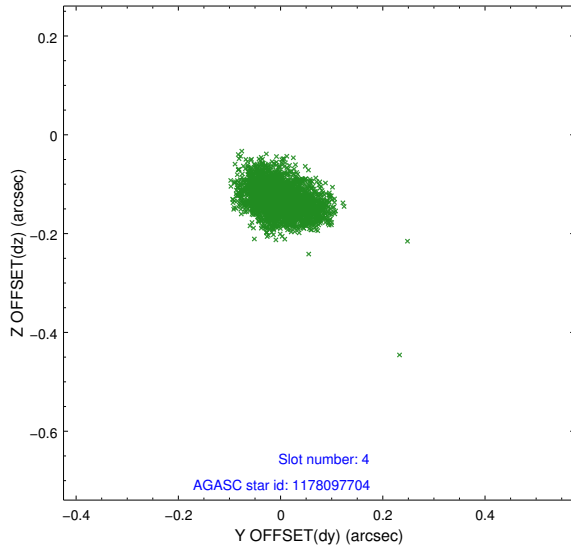
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	1264	-0.004	0.021	0.009	0.013	0.000000	0.000000	928.02	-836.89
1	FID	ACIS-I-4	7.17	1264	0.178	0.011	0.008	0.013	0.000000	0.000000	2148.92	1062.31
2	FID	ACIS-I-5	7.23	1264	-0.273	0.039	0.007	0.012	0.000000	0.000000	-1818.72	1061.57
3	GUIDE	1178088200	7.59	2523	-0.139	0.187	0.068	0.100	191.899213	-60.080991	-1877.93	-544.13
4	GUIDE	1178097704	6.95	2528	-0.001	-0.132	0.056	0.087	192.549177	-60.400526	-1110.95	898.60
5	GUIDE	1178091136	8.02	2528	0.022	0.023	0.047	0.079	190.688096	-61.031851	2031.37	-1556.66
6	GUIDE	1178094320	7.98	2526	0.203	-0.007	0.069	0.113	190.764025	-61.148875	2393.24	-1302.82
7	GUIDE	1178094168	6.90	2527	-0.090	-0.070	0.049	0.078	191.274838	-60.075750	-1562.00	-1621.49

2.4 Star Slots

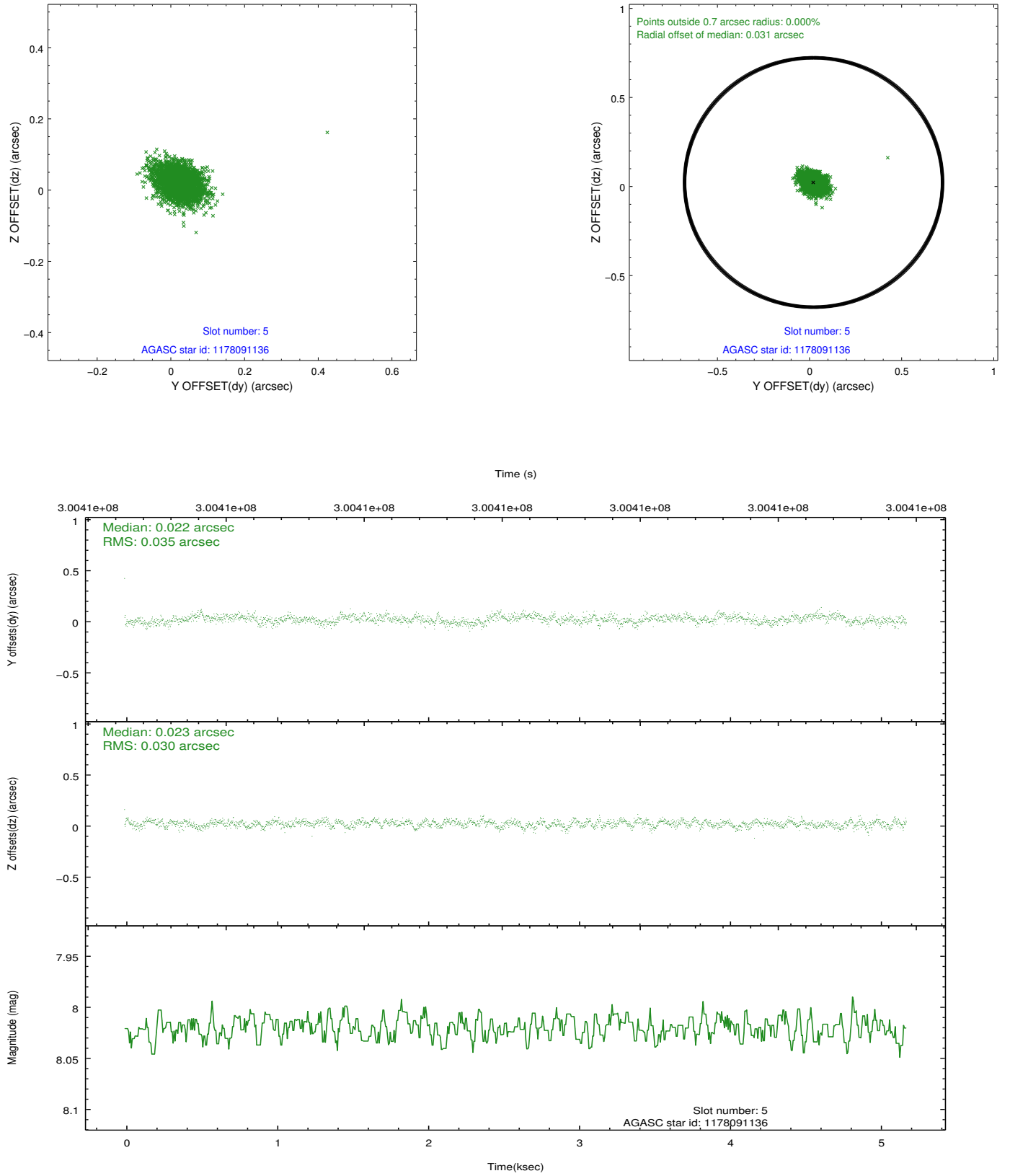
2.4.1 Slot 3



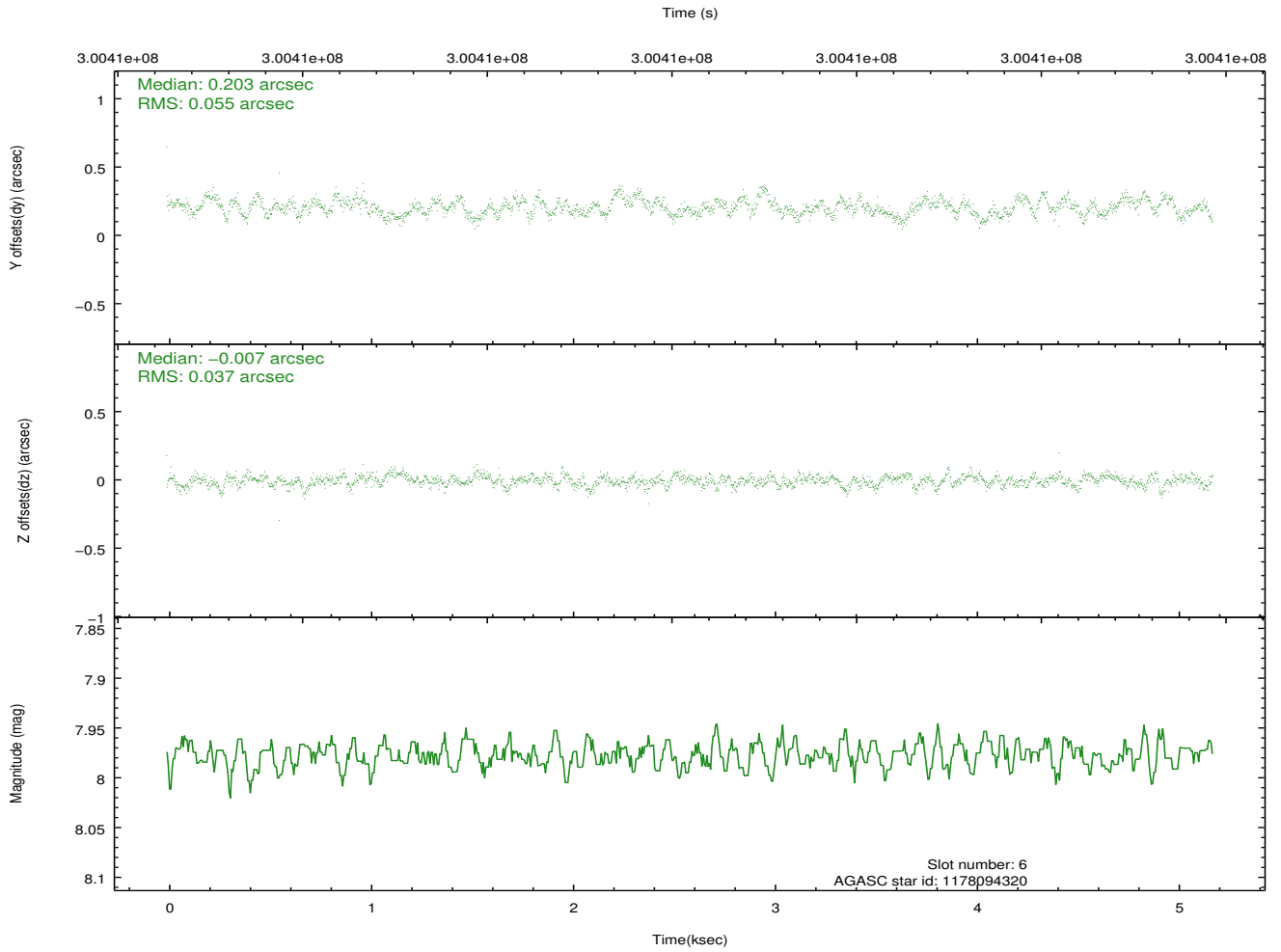
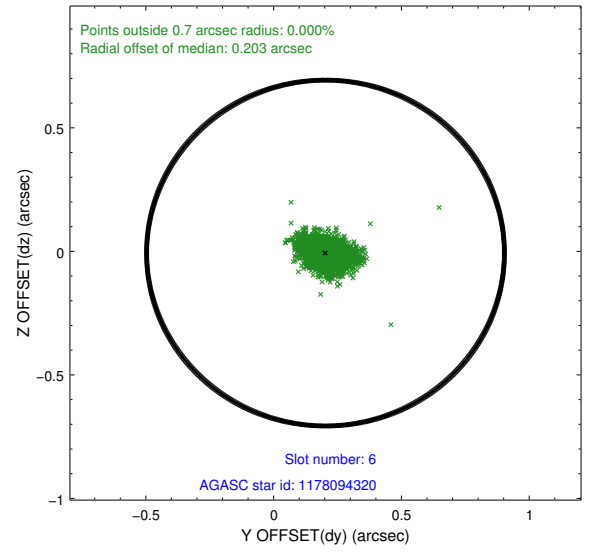
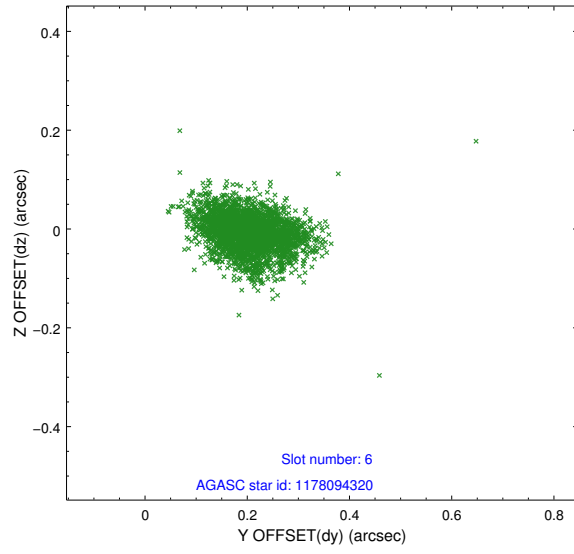
2.4.2 Slot 4



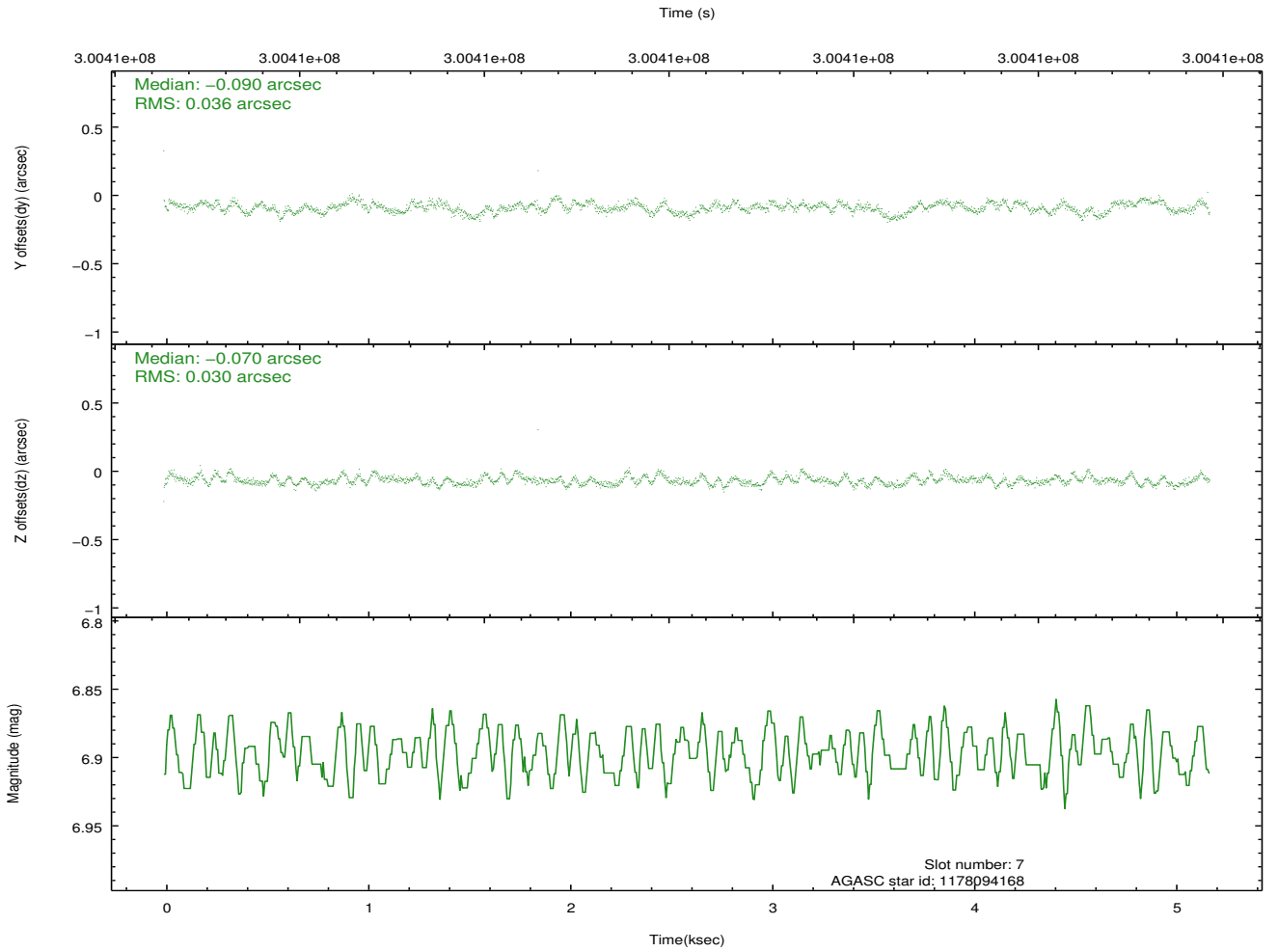
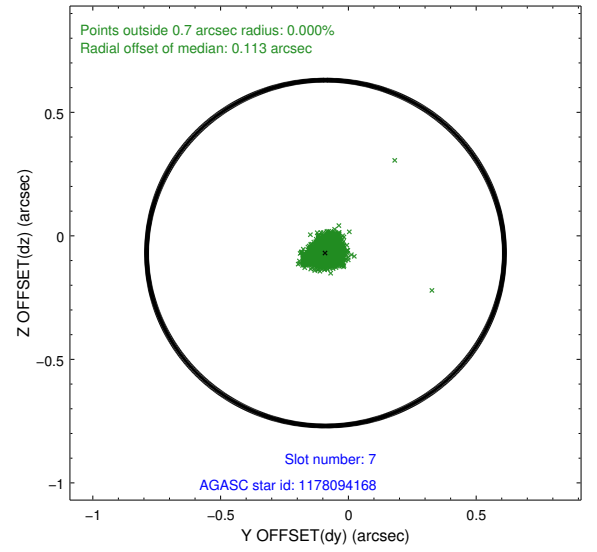
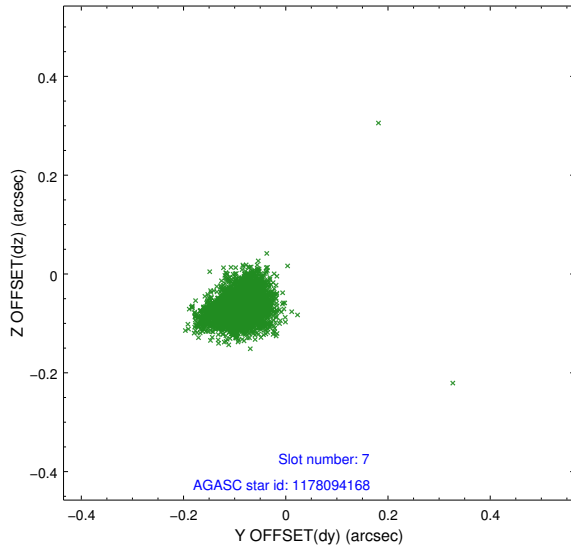
2.4.3 Slot 5



2.4.4 Slot 6

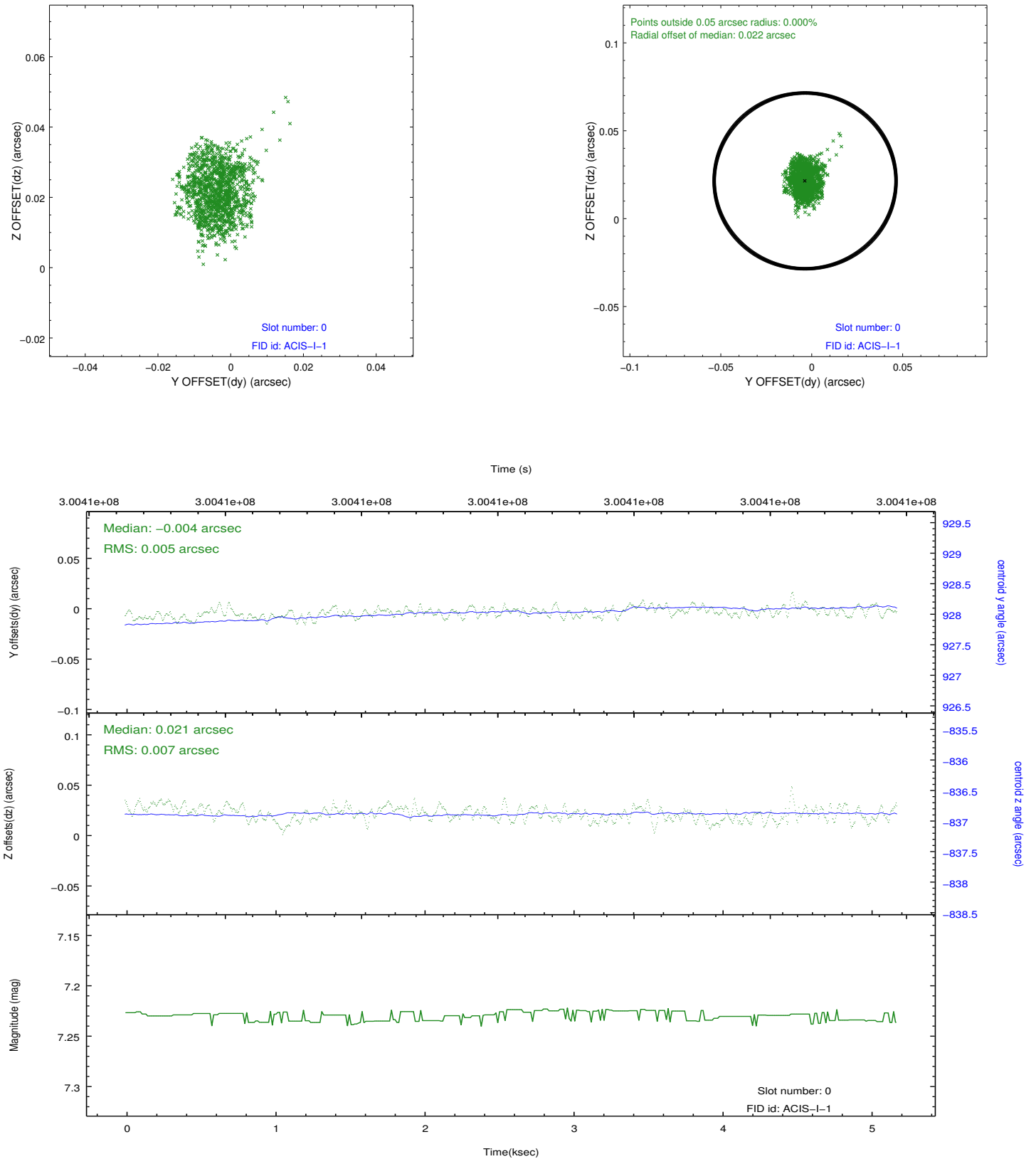


2.4.5 Slot 7

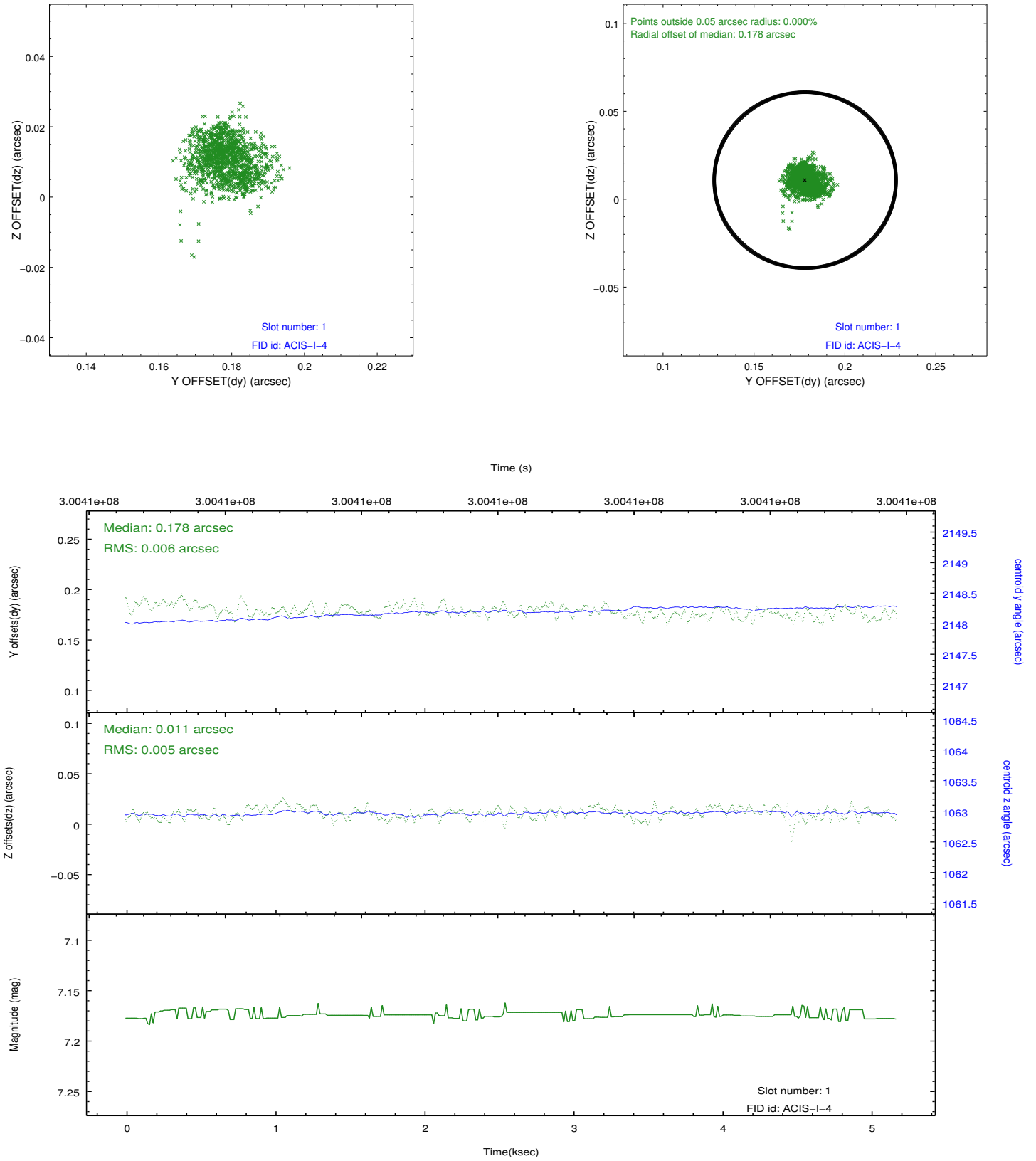


2.5 FID Slots

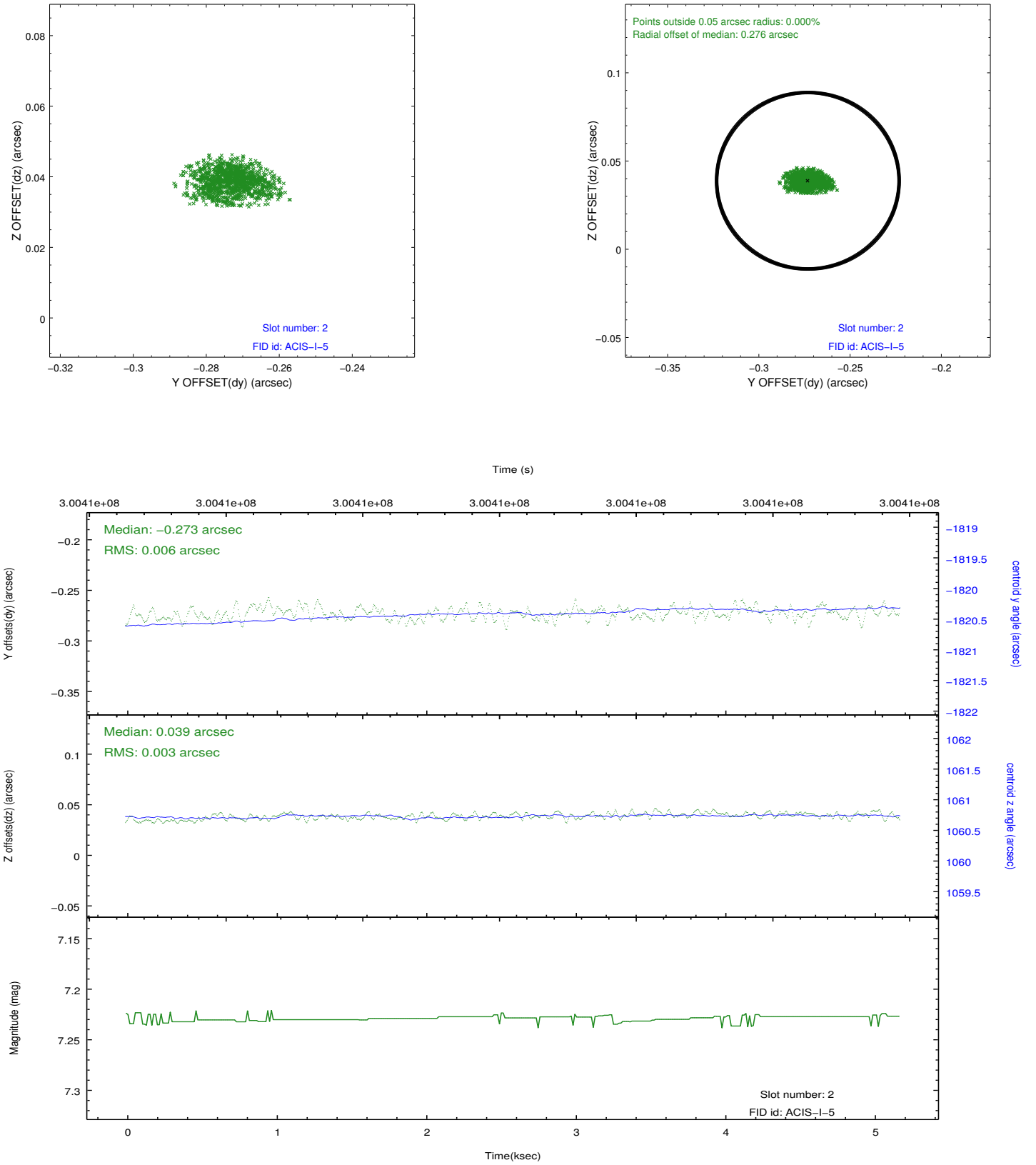
2.5.1 Slot 0



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)	2012.04.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.75199998

A.2 Comments