

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2258 - L2 Version 3
Chandra X-Ray Center

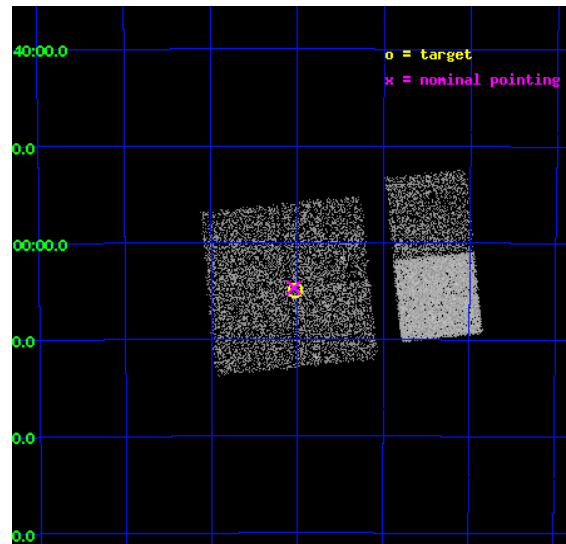
L2 Processing Date : Sep 24 2012

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1 Front

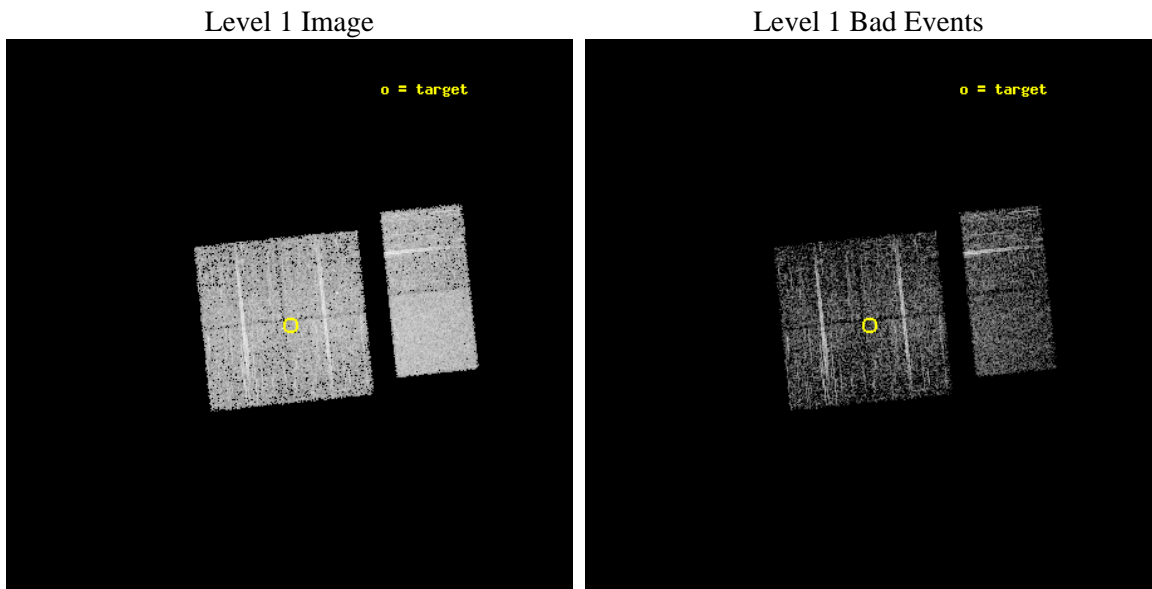
seq_num	900085	Sequence number
obs_id	2258	Observation id
title	CHANDRA OBSERVATION OF HARD X-RAY SOURCES DISCOVERED WITH ASCA	Pro
observer	Dr Yoshihiro Ueda	Principal investigator
object	AGX~J045301-5304	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	73.256667	Observer's specified target RA [deg]
dec_targ	-53.082306	Observer's specified target Dec [deg]
ra_nom	73.260320857693	Nominal RA [deg]
dec_nom	-53.078220675518	Nominal Dec [deg]
roll_nom	84.171492474306	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3248.00000301	Sum of GTIs [s]
livetime	3206.8718712611	Livetime [s]
ontime0	3244.7590427548	Sum of GTIs [s]
ontime1	3248.00000301	Sum of GTIs [s]
ontime2	3248.00000301	Sum of GTIs [s]
ontime3	3248.00000301	Sum of GTIs [s]
ontime6	3248.00000301	Sum of GTIs [s]
ontime7	3248.00000301	Sum of GTIs [s]
l2events	25007	Number of level 2 events



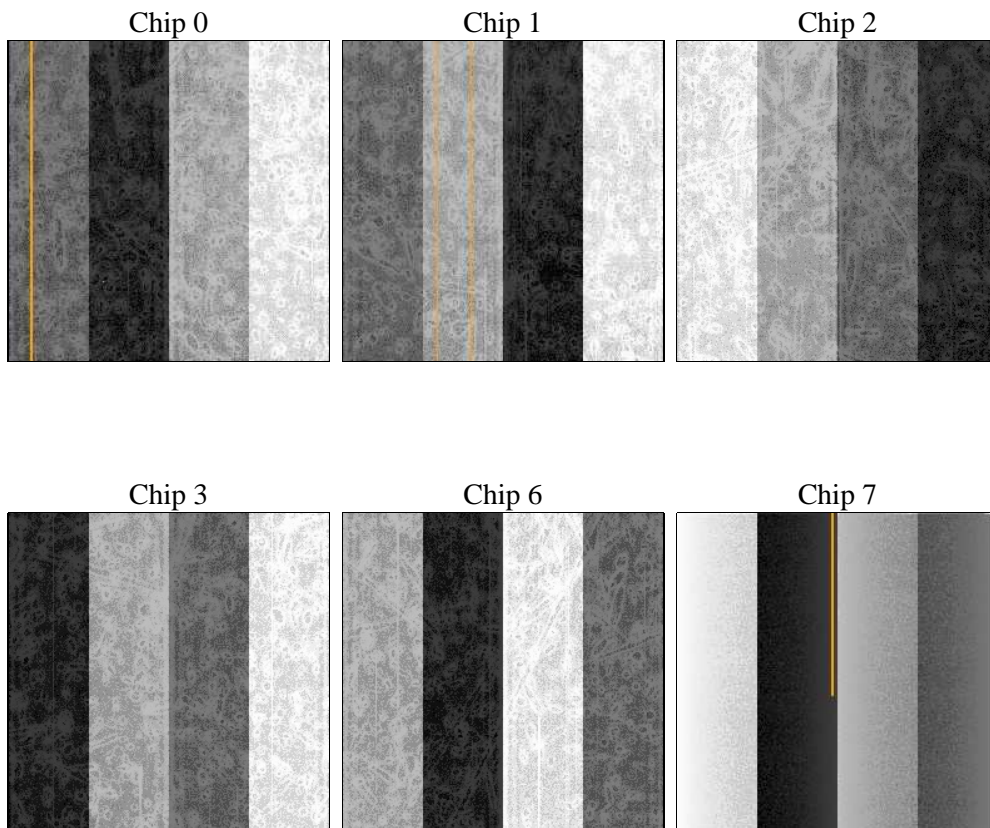
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3300.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3248.00000301	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime0	3244.7590427548	Sum of GTIs [s]
date	2012-09-24T08:18:51	Date and time of file creation	ontime1	3248.00000301	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	3248.00000301	Sum of GTIs [s]
			ontime3	3248.00000301	Sum of GTIs [s]
			ontime6	3248.00000301	Sum of GTIs [s]
			ontime7	3248.00000301	Sum of GTIs [s]
			l1events	132056	Number of level 1 events

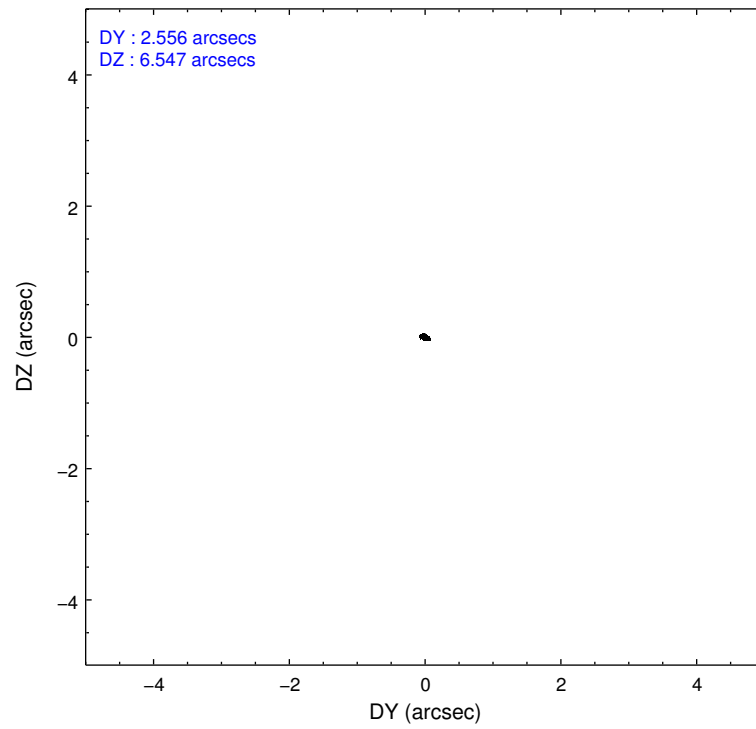
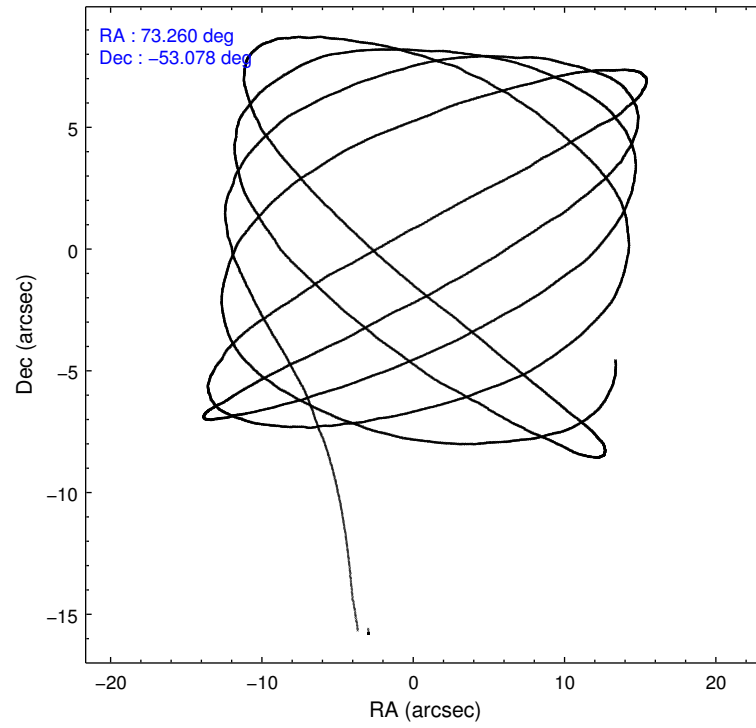
2.1.4 Events

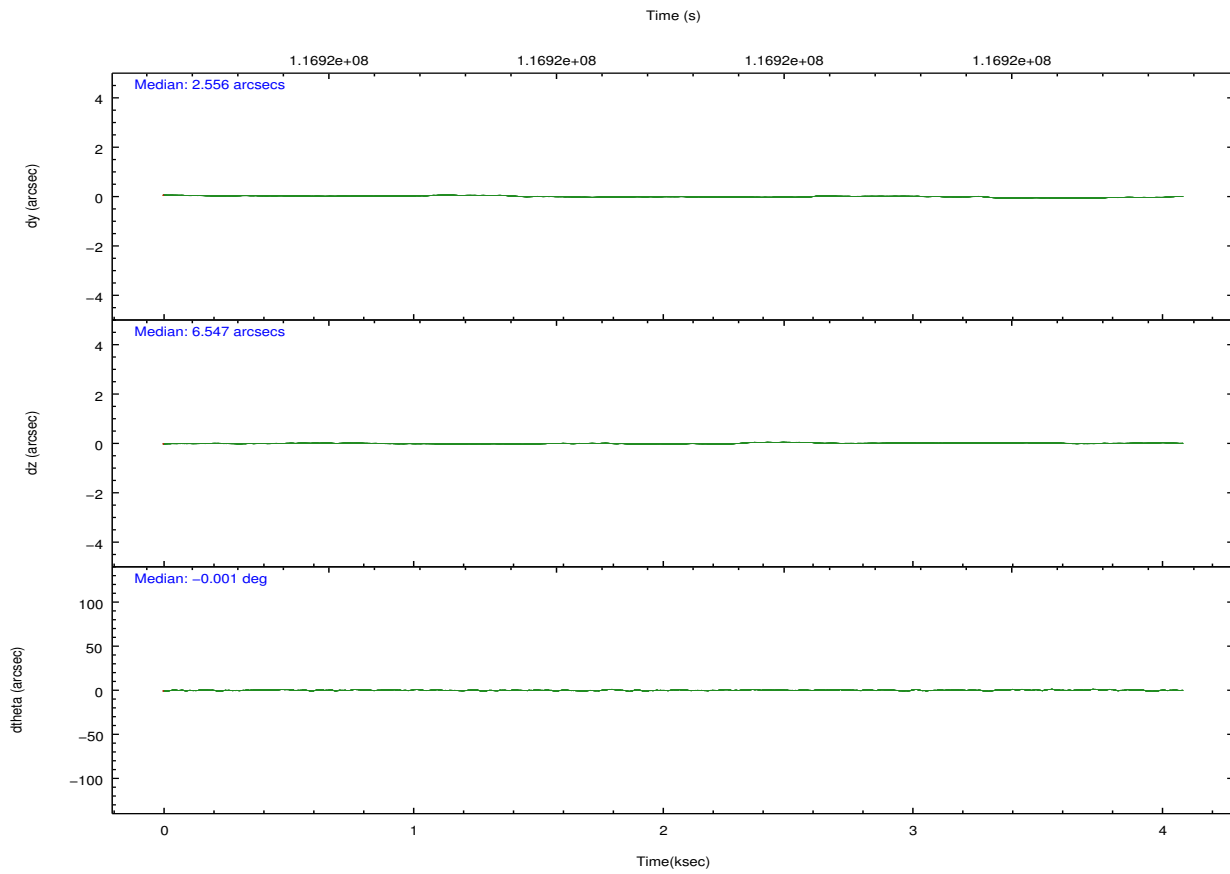
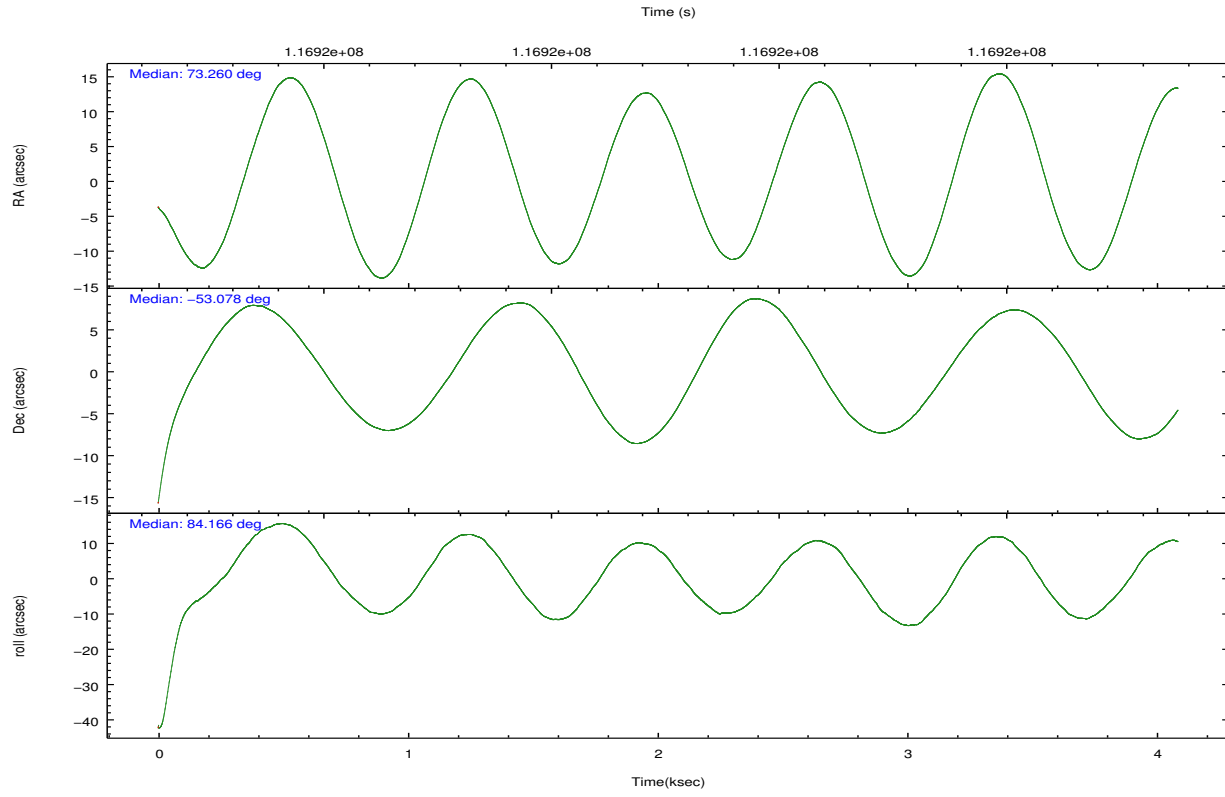
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	18214	21100	20017	21304	21870	29551	grade 0 events	1158	1210	1200	1253	1078	1277
rejected events	15432	18262	17393	18507	19230	16114		6%	5%	5%	5%	4%	4%
rejected %	84%	86%	86%	86%	87%	54%	grade 1 events	16	11	16	6	8	29
								0%	0%	0%	0%	0%	0%
							grade 2 events	632	607	537	568	575	2632
								3%	2%	2%	2%	2%	8%
							grade 3 events	248	248	233	272	234	1154
								1%	1%	1%	1%	1%	3%
							grade 4 events	255	268	219	263	239	1180
								1%	1%	1%	1%	1%	3%
							grade 5 events	807	860	737	855	873	2742
								4%	4%	3%	4%	3%	9%
							grade 6 events	493	510	444	444	516	7218
								2%	2%	2%	2%	2%	24%
							grade 7 events	14605	17386	16631	17643	18347	13319
								80%	82%	83%	82%	83%	45%

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	73.279235	73.26032085769285	Subarray requested	NONE	NONE
[deg] Pointing Dec	-53.103172	-53.07822067551801	Alternating exposures requested	N	N
[deg] Pointing Roll	83.978061	84.17149247430618	[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)	116921255.184000	116919999.34078			
Observation start date	2001-09-15T06:06:31	2001-09-15T05:46:39			
[s] Observation end time (MET)	116924555.184000	116924930.10347			
Observation end date	2001-09-15T07:01:31	2001-09-15T07:08:50			
Read mode	TIMED	TIMED			

2.3 Aspect



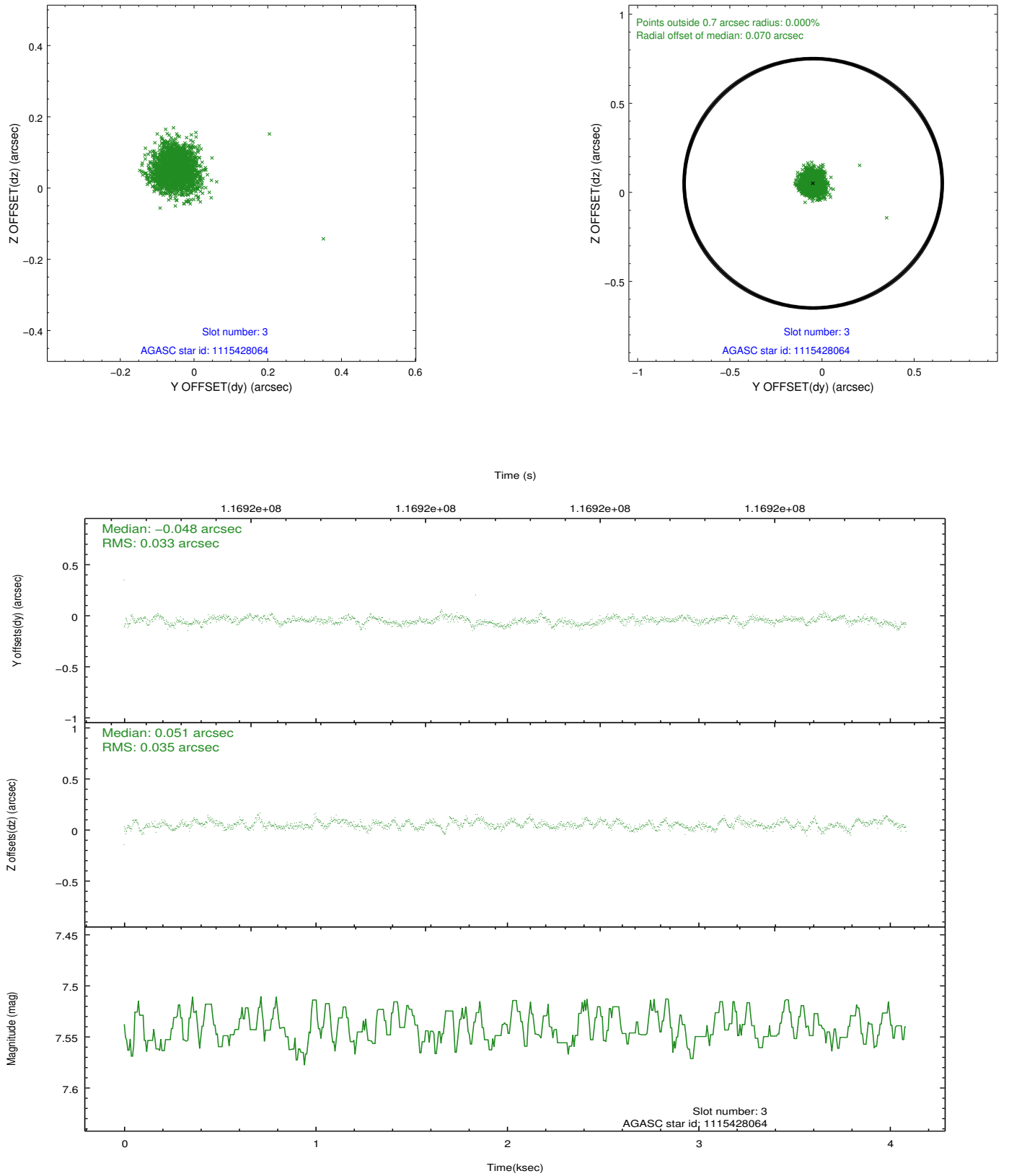


Slot Statistics

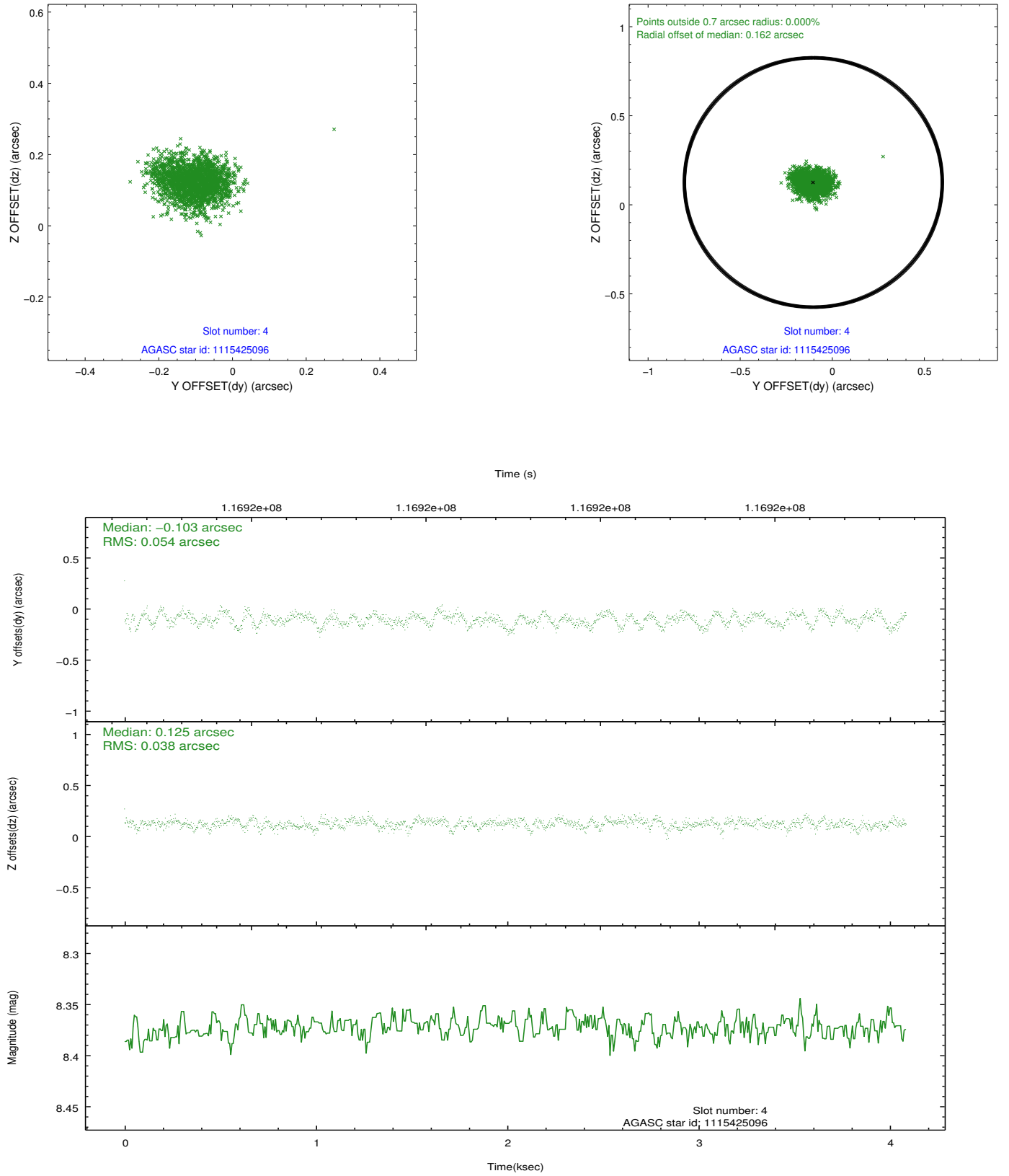
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	997	-0.006	0.018	0.006	0.010	0.000000	0.000000	937.23	-829.93
1	FID	ACIS-I-5	7.24	997	-0.040	0.049	0.006	0.011	0.000000	0.000000	-1810.03	1066.89
2	FID	ACIS-I-6	7.26	997	-0.046	0.003	0.006	0.010	0.000000	0.000000	401.13	1713.03
3	GUIDE	1115428064	7.54	1991	-0.048	0.051	0.051	0.080	74.135555	-53.027377	455.48	-1816.16
4	GUIDE	1115425096	8.37	1990	-0.103	0.125	0.071	0.114	74.021498	-52.547271	2153.15	-1407.48
5	GUIDE	1115426192	8.16	1994	-0.107	-0.122	0.054	0.089	72.675828	-52.627795	1559.49	1489.64
6	GUIDE	1115429648	9.01	1993	0.096	-0.121	0.076	0.123	72.495760	-53.281703	-824.03	1609.24
7	GUIDE	1115438120	10.49	1993	0.160	0.064	0.132	0.213	73.579137	-53.535702	-1482.34	-800.86

2.4 Star Slots

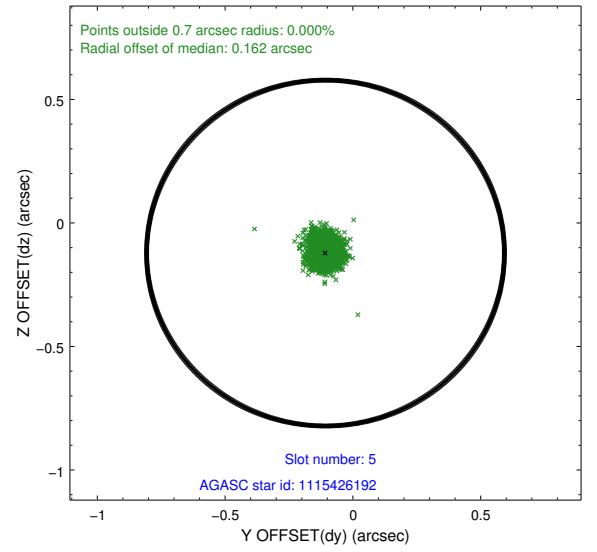
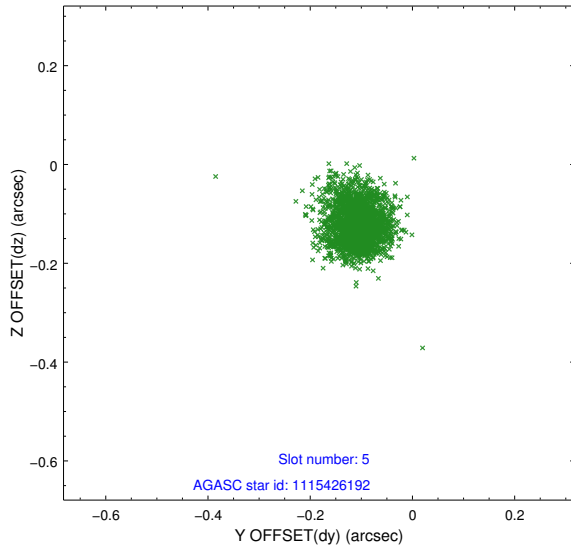
2.4.1 Slot 3



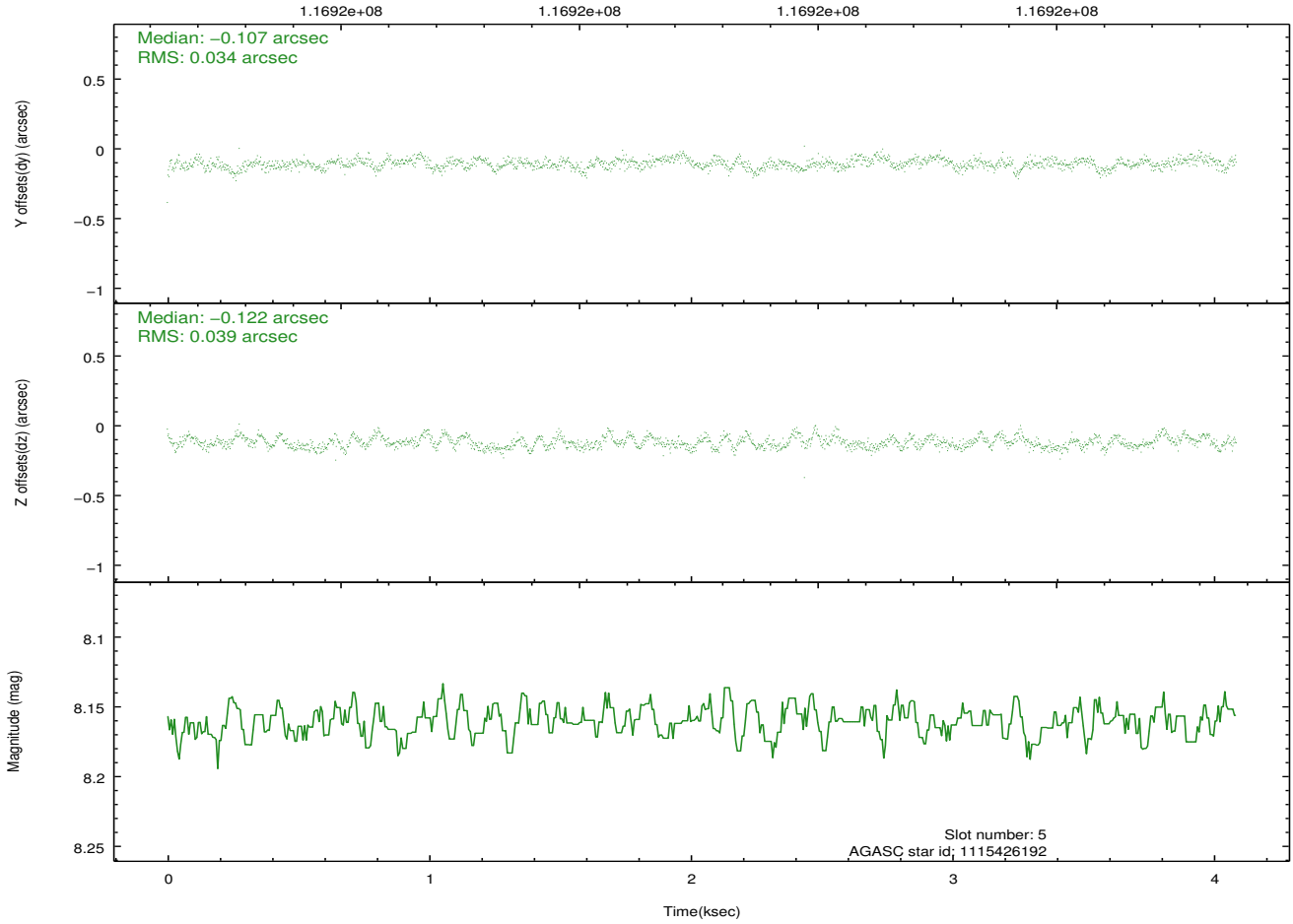
2.4.2 Slot 4



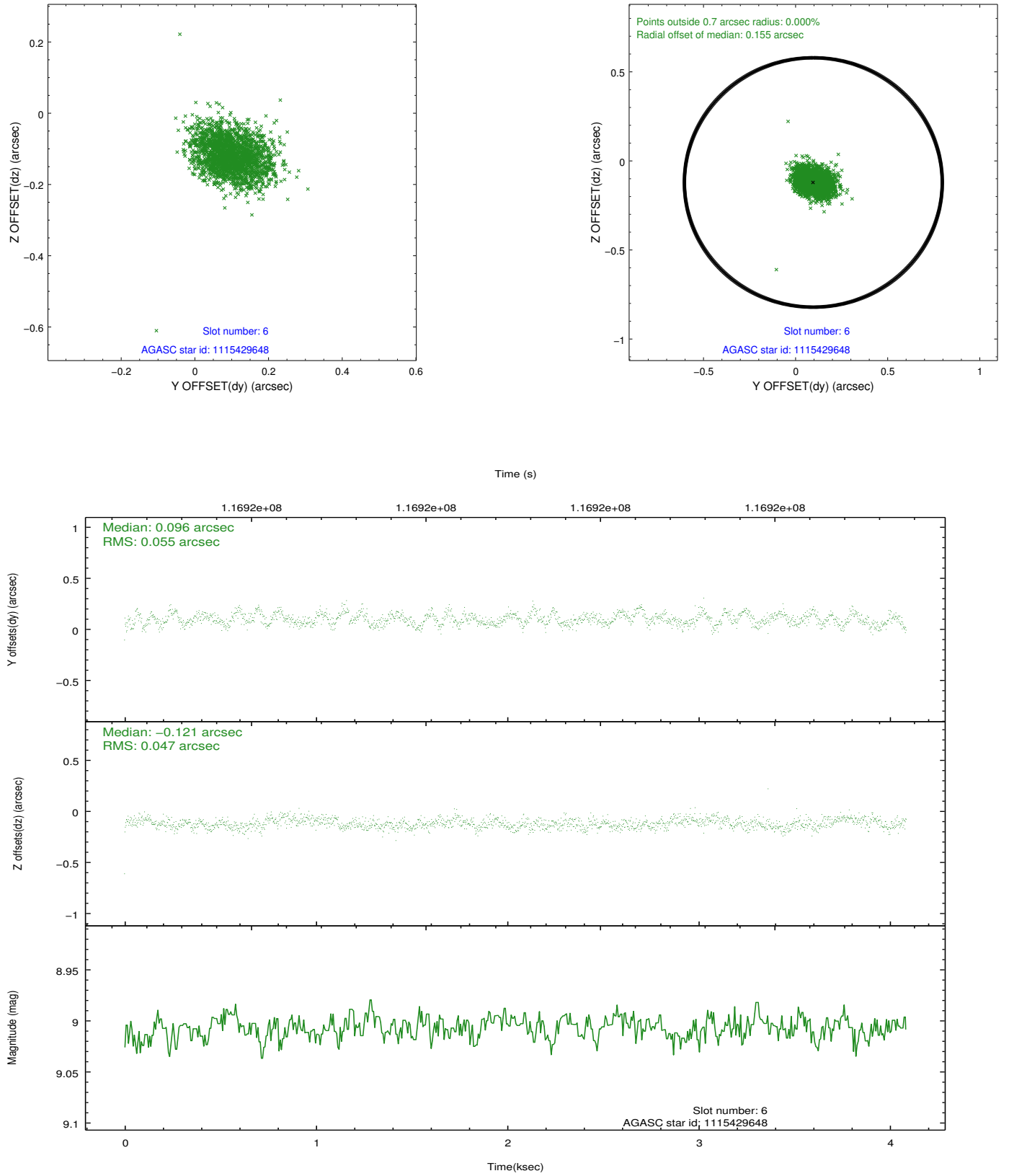
2.4.3 Slot 5



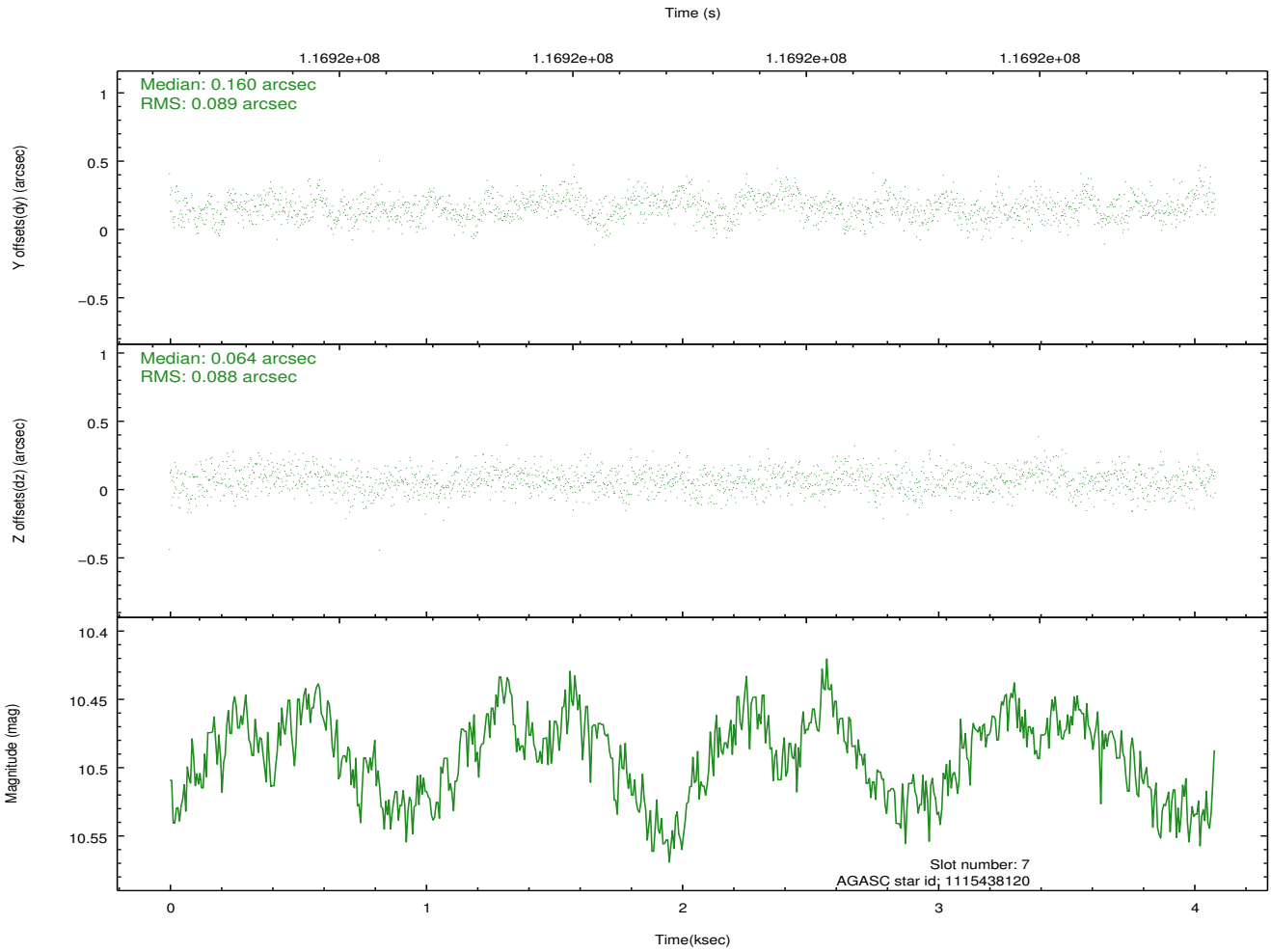
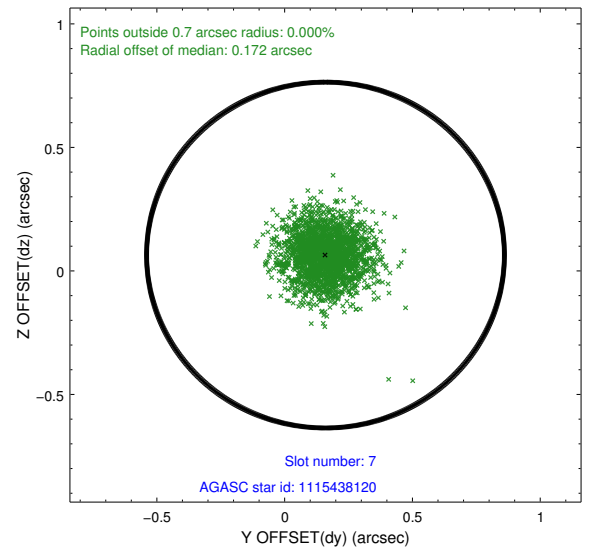
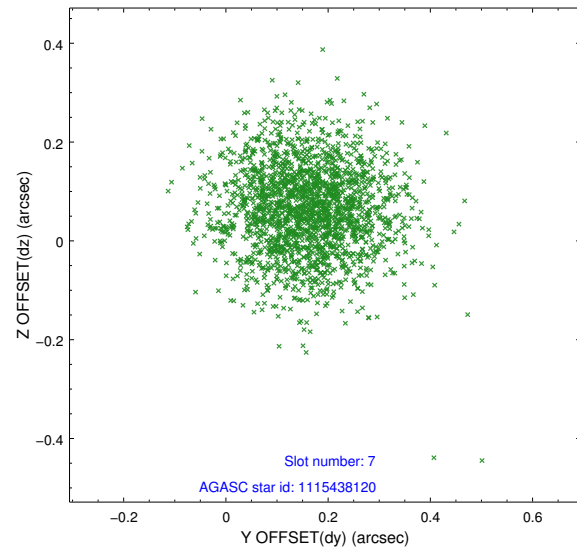
Time (s)



2.4.4 Slot 6

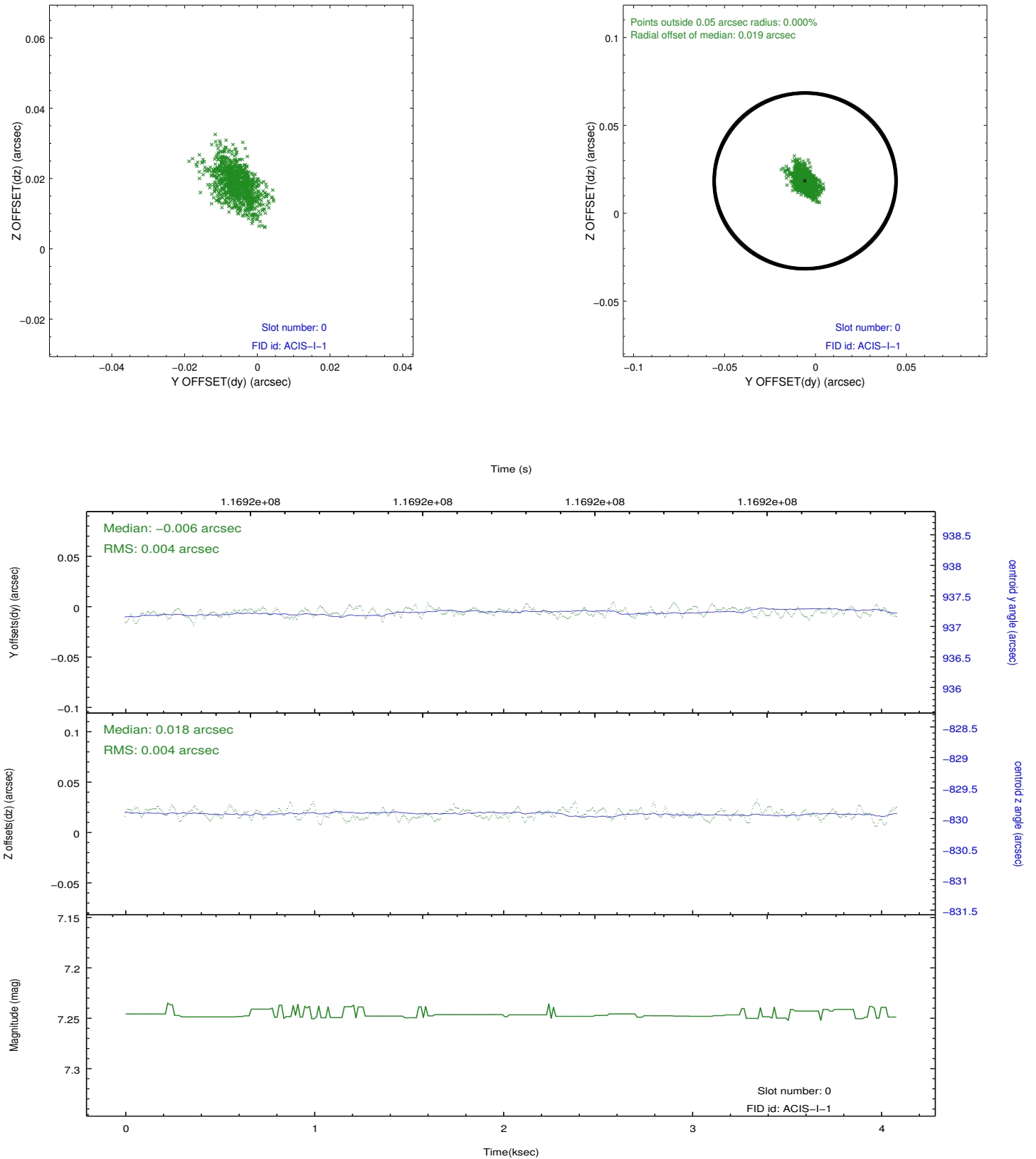


2.4.5 Slot 7

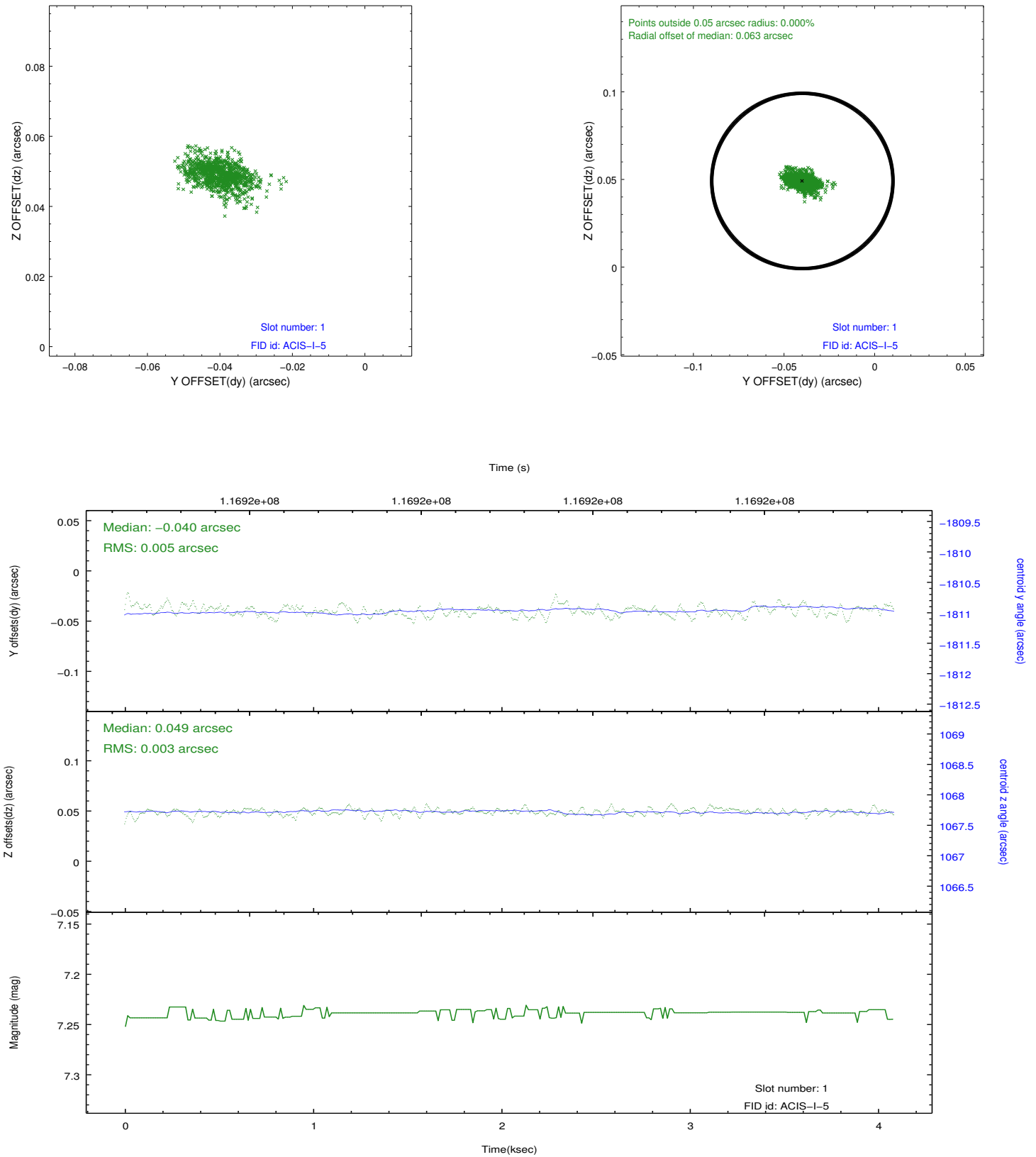


2.5 FID Slots

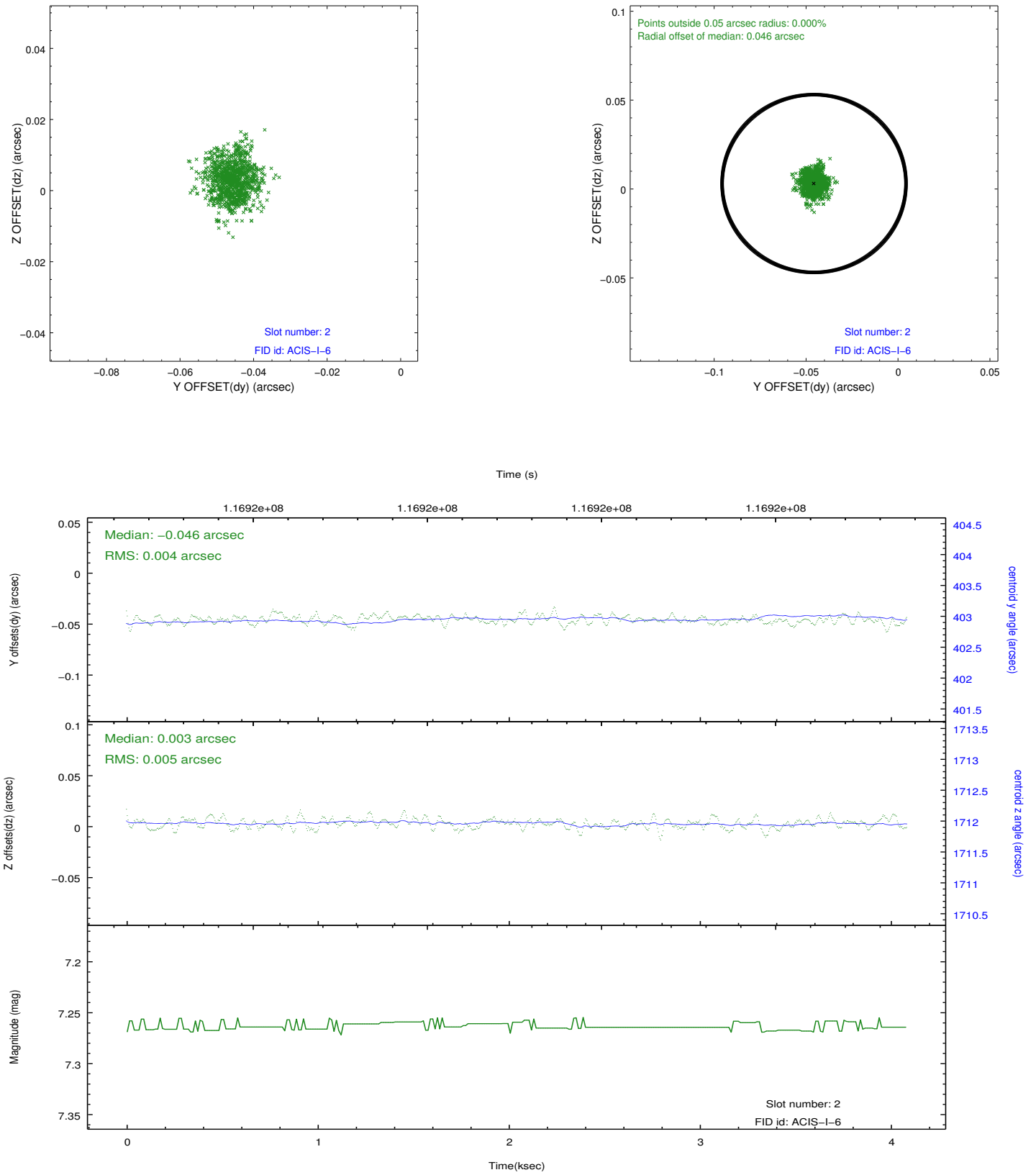
2.5.1 Slot 0



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)	2012.09.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.25

A.2 Comments