

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11831 - L2 Version 2
Chandra X-Ray Center

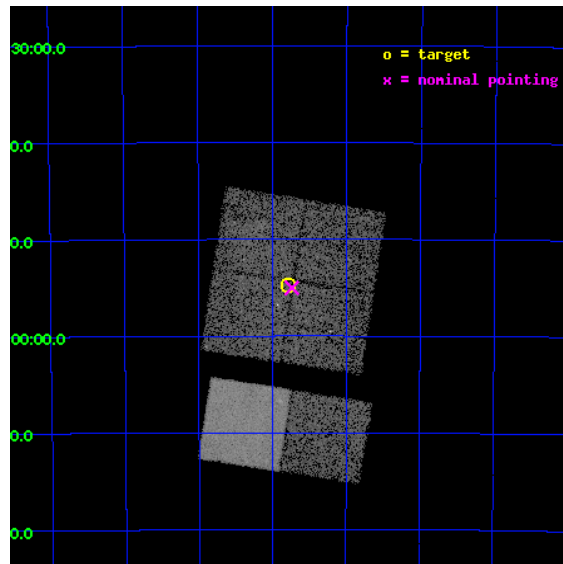
L2 Processing Date : Jul 1 2012

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

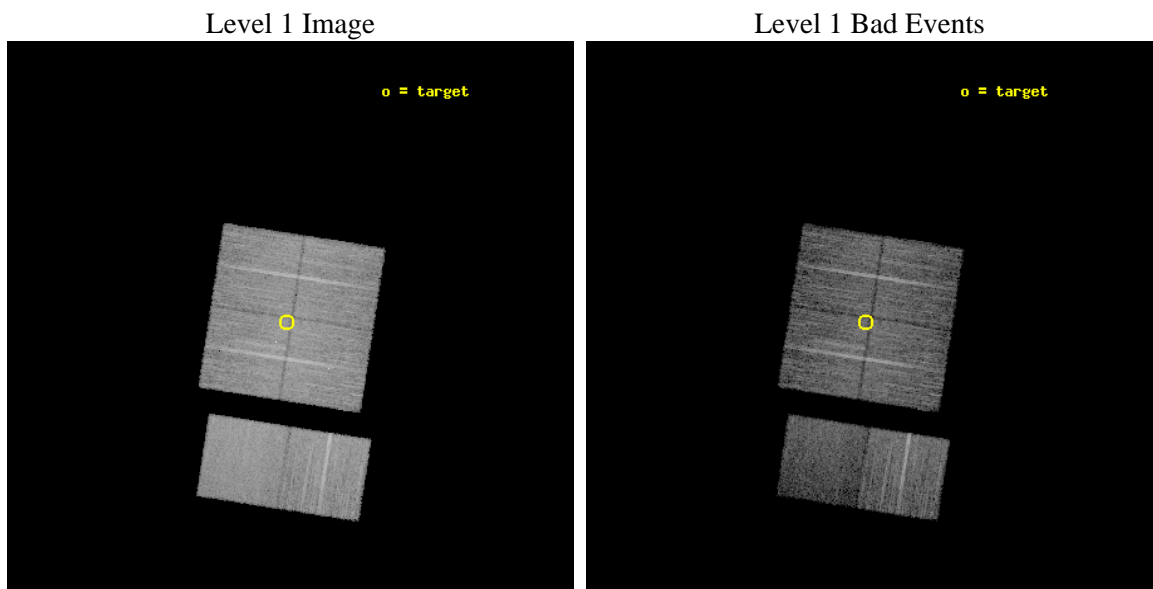
seq_num	501348	Sequence number
obs_id	11831	Observation id
title	Snap-shot survey of unidentified galactic GeV sources	Proposal tit
observer	Professor Gordon Garmire	Principal investigator
object	0FGL J1018.2-5858	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	154.698508	Observer's specified target RA [deg]
dec_targ	-58.913397	Observer's specified target Dec [deg]
ra_nom	154.68438172315	Nominal RA [deg]
dec_nom	-58.916992578526	Nominal Dec [deg]
roll_nom	188.85995245156	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10053.18689394	Sum of GTIs [s]
livetime	9925.8873881865	Livetime [s]
ontime0	10053.06377393	Sum of GTIs [s]
ontime1	10053.104813933	Sum of GTIs [s]
ontime2	10053.145853937	Sum of GTIs [s]
ontime3	10053.18689394	Sum of GTIs [s]
ontime6	10053.268973947	Sum of GTIs [s]
ontime7	10053.227933943	Sum of GTIs [s]
l2events	71582	Number of level 2 events



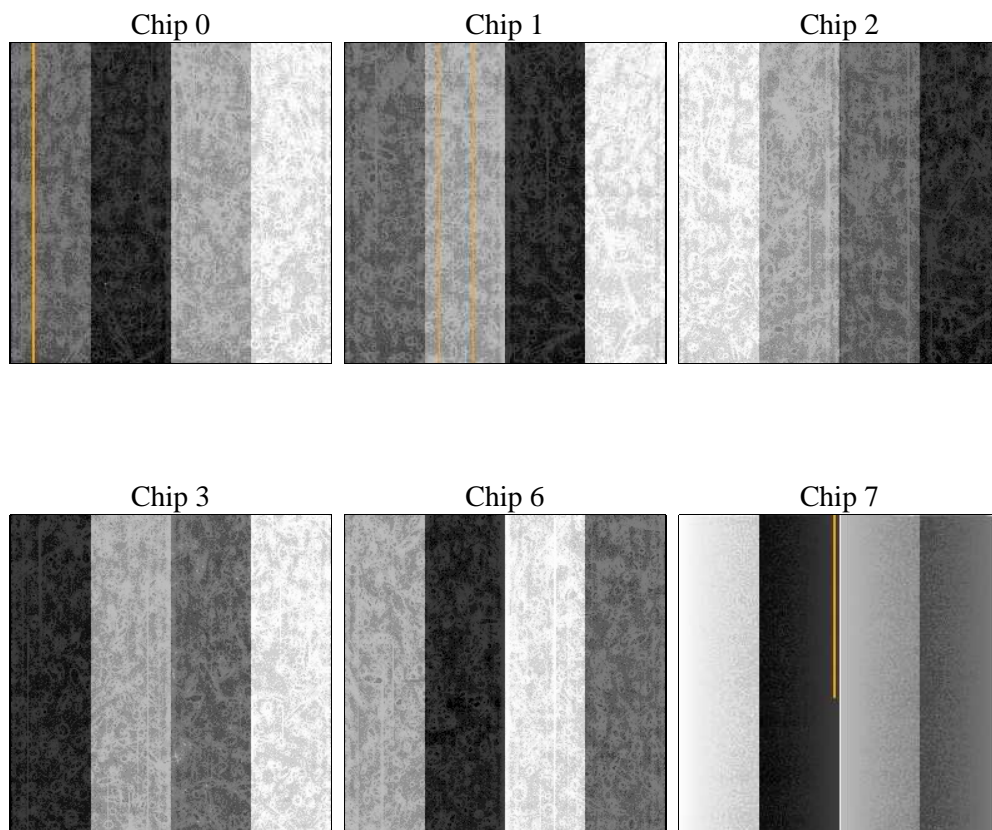
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10053.18689394	Sum of GTIs [s]
caldsver	4.5.0	 	ontime0	10053.06377393	Sum of GTIs [s]
date	2012-07-01T16:35:21	Date and time of file creation	ontime1	10053.104813933	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	10053.145853937	Sum of GTIs [s]
			ontime3	10053.18689394	Sum of GTIs [s]
			ontime6	10053.268973947	Sum of GTIs [s]
			ontime7	10053.227933943	Sum of GTIs [s]
			l1events	418889	Number of level 1 events

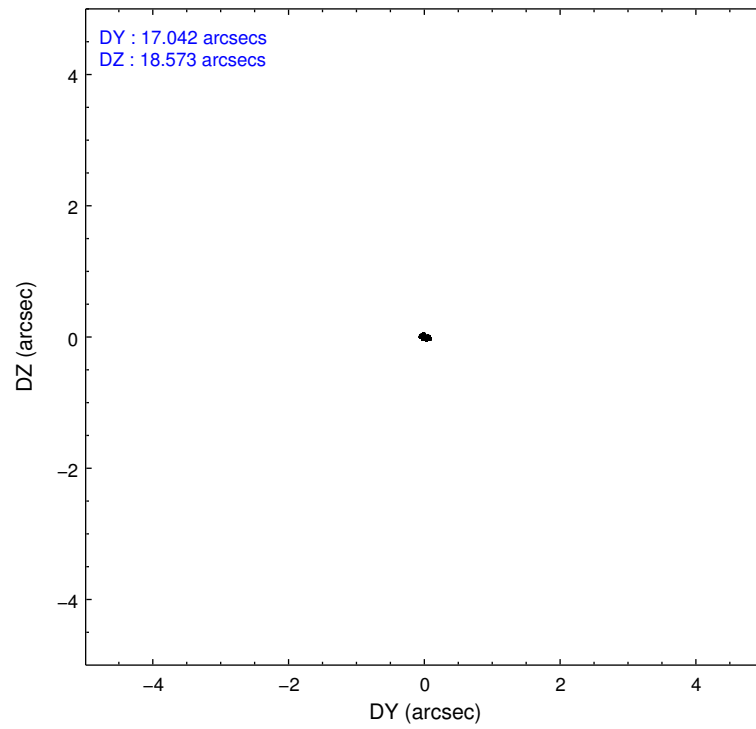
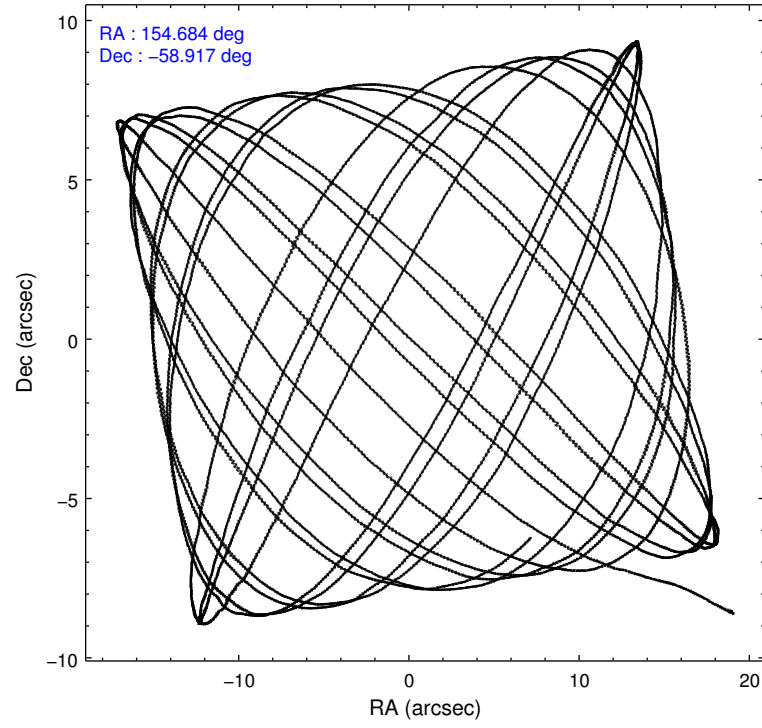
2.1.4 Events

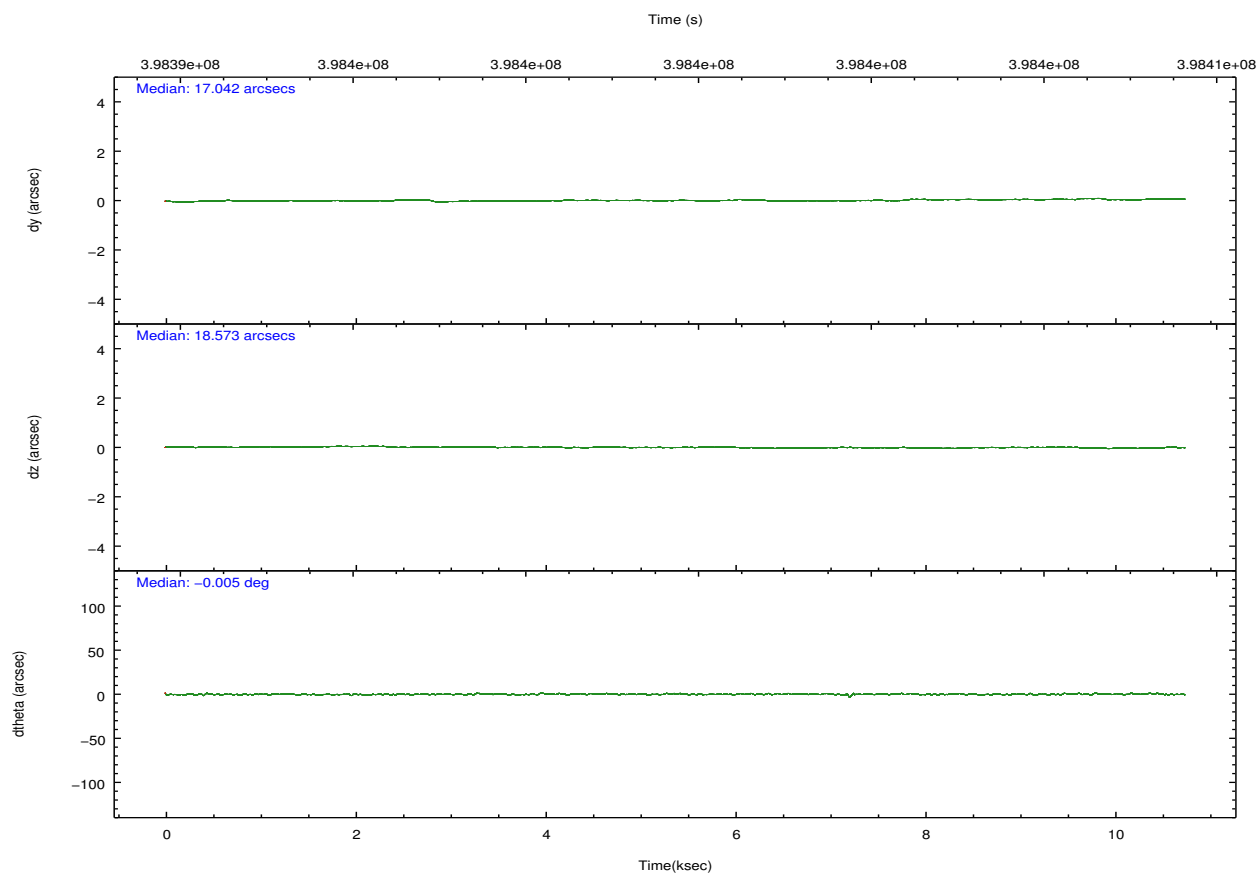
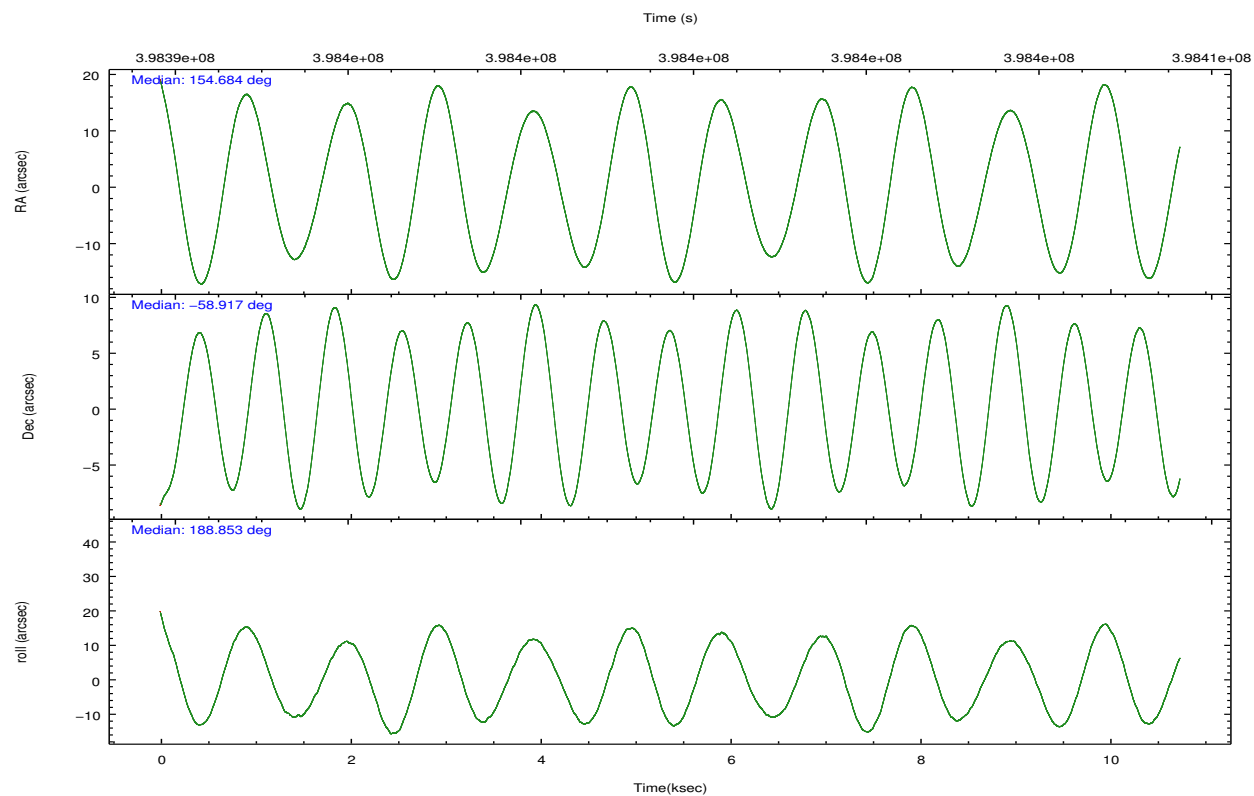
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	64250	64365	73564	70875	72878	72957	grade 0 events	3046	3987	4037	4213	3057	3813
rejected events	56413	55029	64688	61754	64807	36799		4%	6%	5%	5%	4%	5%
rejected %	87%	85%	87%	87%	88%	50%	grade 1 events	45	42	46	69	43	122
								0%	0%	0%	0%	0%	0%
							grade 2 events	1920	1956	1934	1779	1762	7957
								2%	3%	2%	2%	2%	10%
							grade 3 events	796	887	786	805	811	3371
								1%	1%	1%	1%	1%	4%
							grade 4 events	741	878	815	849	824	3400
								1%	1%	1%	1%	1%	4%
							grade 5 events	2372	2522	2204	2667	2683	7827
								3%	3%	2%	3%	3%	10%
							grade 6 events	1336	1630	1308	1476	1620	17628
								2%	2%	1%	2%	2%	24%
							grade 7 events	53994	52463	62434	59017	62078	28839
								84%	81%	84%	83%	85%	39%

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	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	154.725785	154.6843817231531	CCD I2 on	Y	Y
[deg] Pointing Dec	-58.899620	-58.91699257852603	CCD I3 on	Y	Y
[deg] Pointing Roll	188.686724	188.8599524515559	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O2	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	398395095.184000	398393812.72637	CCD S5 on	N	N
Observation start date	2010-08-17T01:17:09	2010-08-17T00:56:52	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	398405095.184000	398406033.2895	On-chip summing requested	N	N
Observation end date	2010-08-17T04:03:49	2010-08-17T04:20:33	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



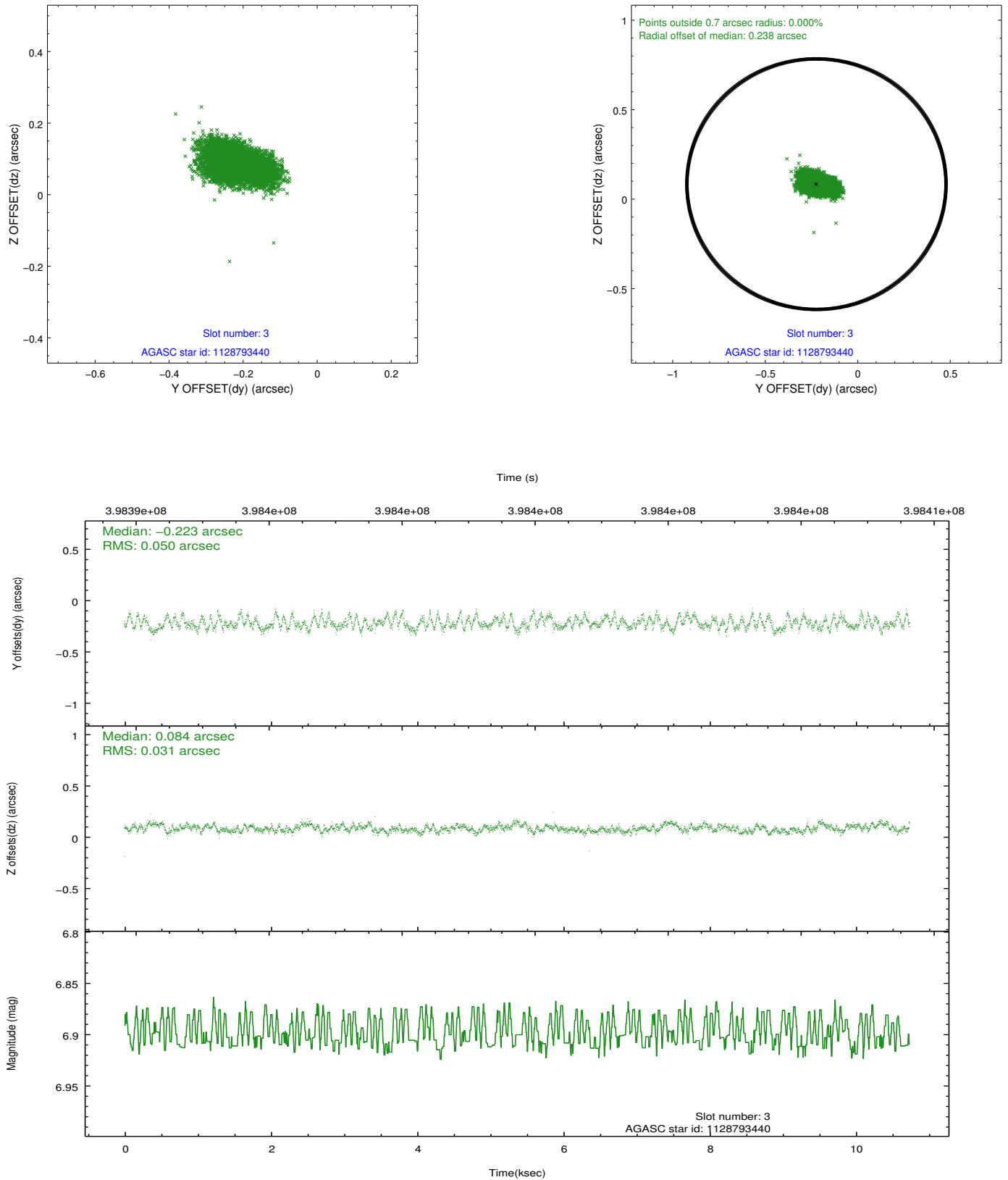


Slot Statistics

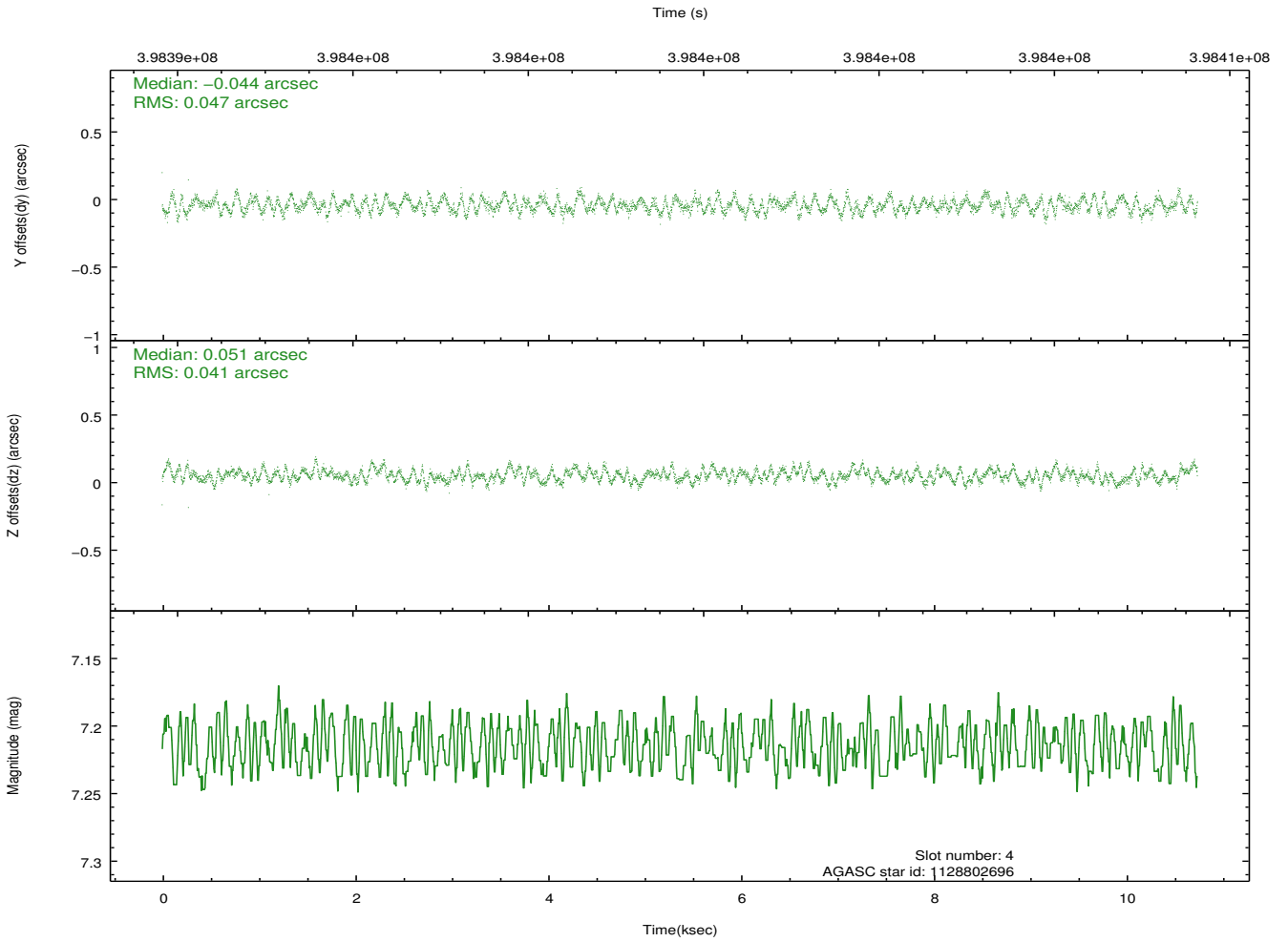
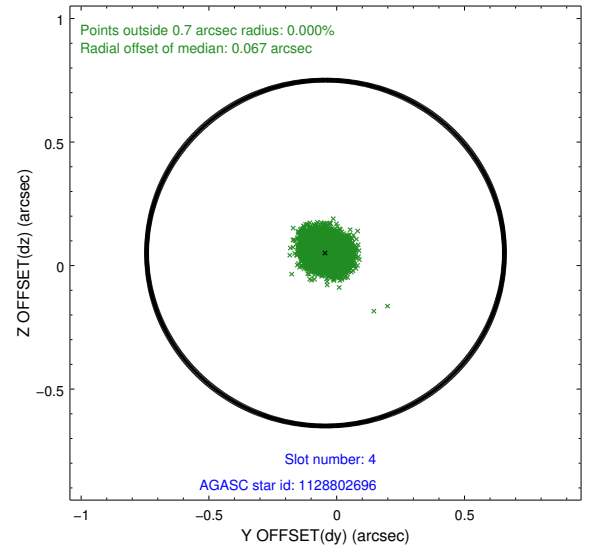
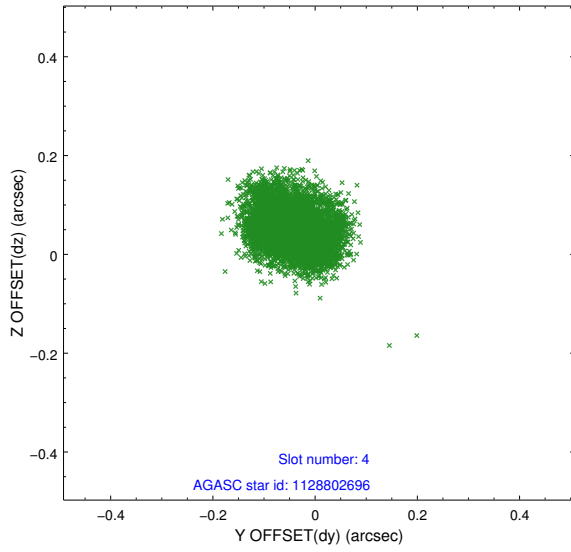
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	6.99	2620	0.024	-0.009	0.008	0.014	0.000000	0.000000	922.42	-842.23
1	FID	ACIS-I-2	6.91	2620	-0.003	-0.040	0.010	0.018	0.000000	0.000000	-771.43	-849.03
2	FID	ACIS-I-5	6.98	2620	-0.114	0.121	0.008	0.014	0.000000	0.000000	-1826.30	1055.00
3	GUIDE	1128793440	6.90	5240	-0.223	0.084	0.062	0.104	155.926826	-59.206079	-2018.41	1444.00
4	GUIDE	1128802696	7.21	5240	-0.044	0.051	0.068	0.104	155.284467	-58.483825	-1265.01	-1316.40
5	GUIDE	1128805016	8.07	5239	-0.153	-0.097	0.075	0.118	153.672116	-58.552929	1769.85	-1517.41
6	GUIDE	1128812328	8.61	5231	0.107	-0.037	0.072	0.117	153.863098	-59.572479	1922.40	2167.00
7	GUIDE	1128798008	8.58	5237	0.313	-0.001	0.089	0.150	153.338718	-58.362994	2302.40	-2277.84

2.4 Star Slots

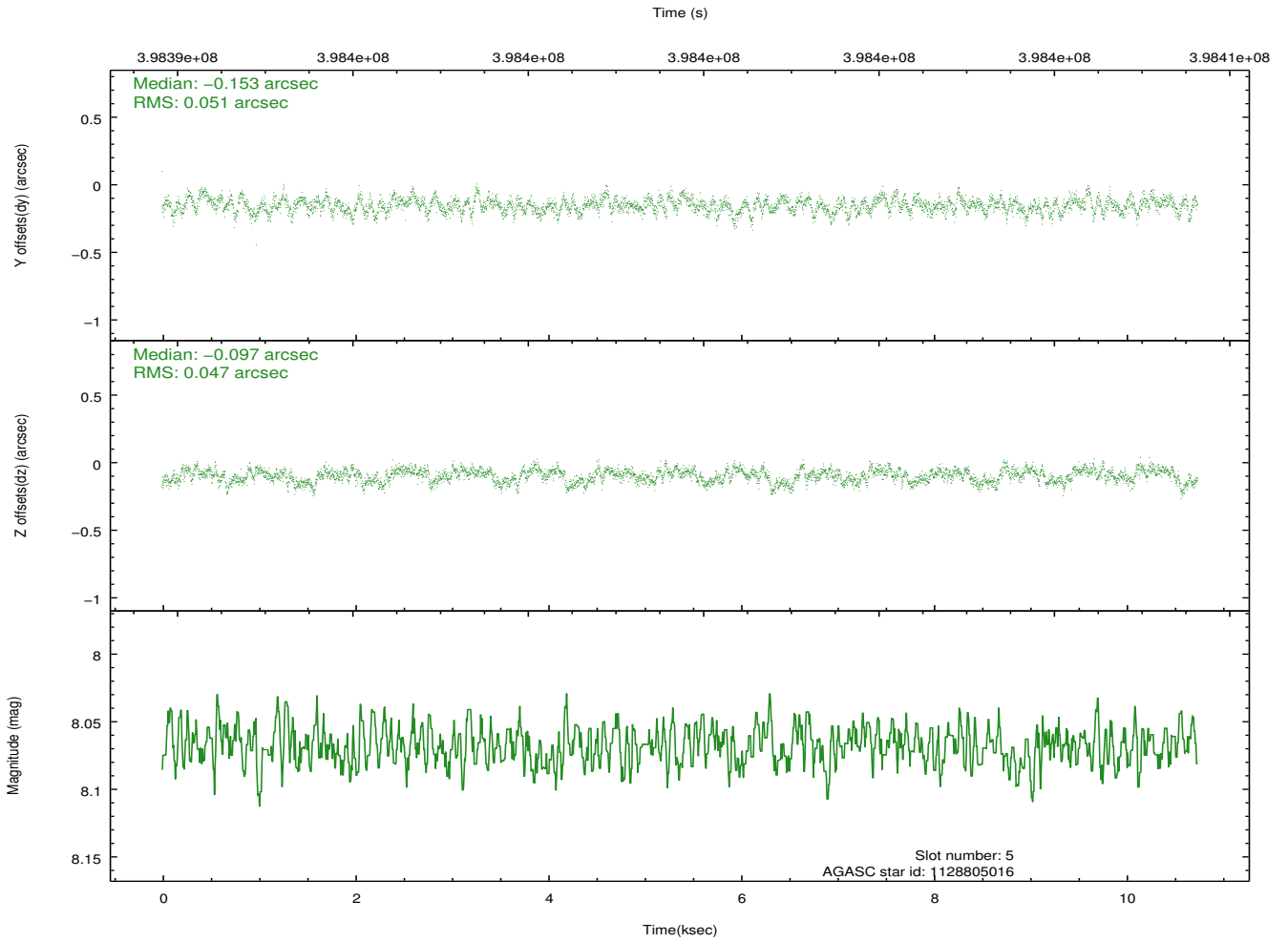
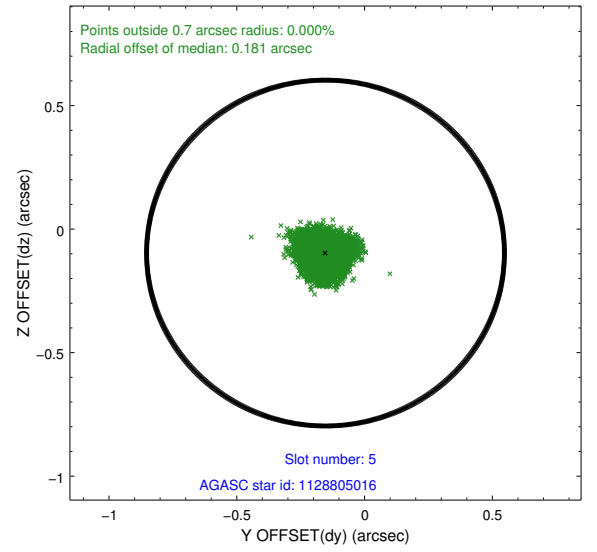
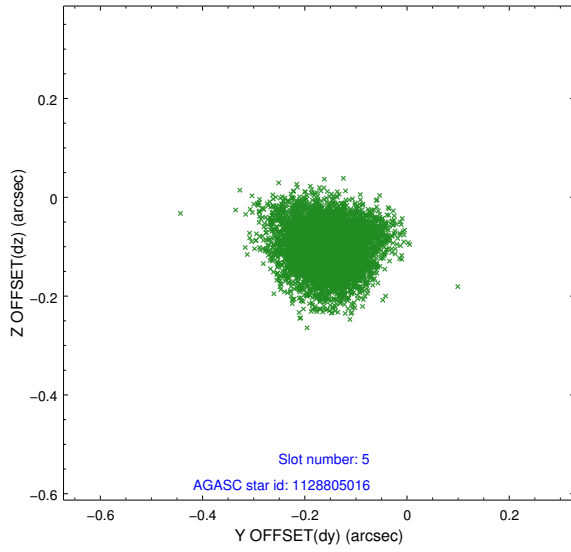
2.4.1 Slot 3



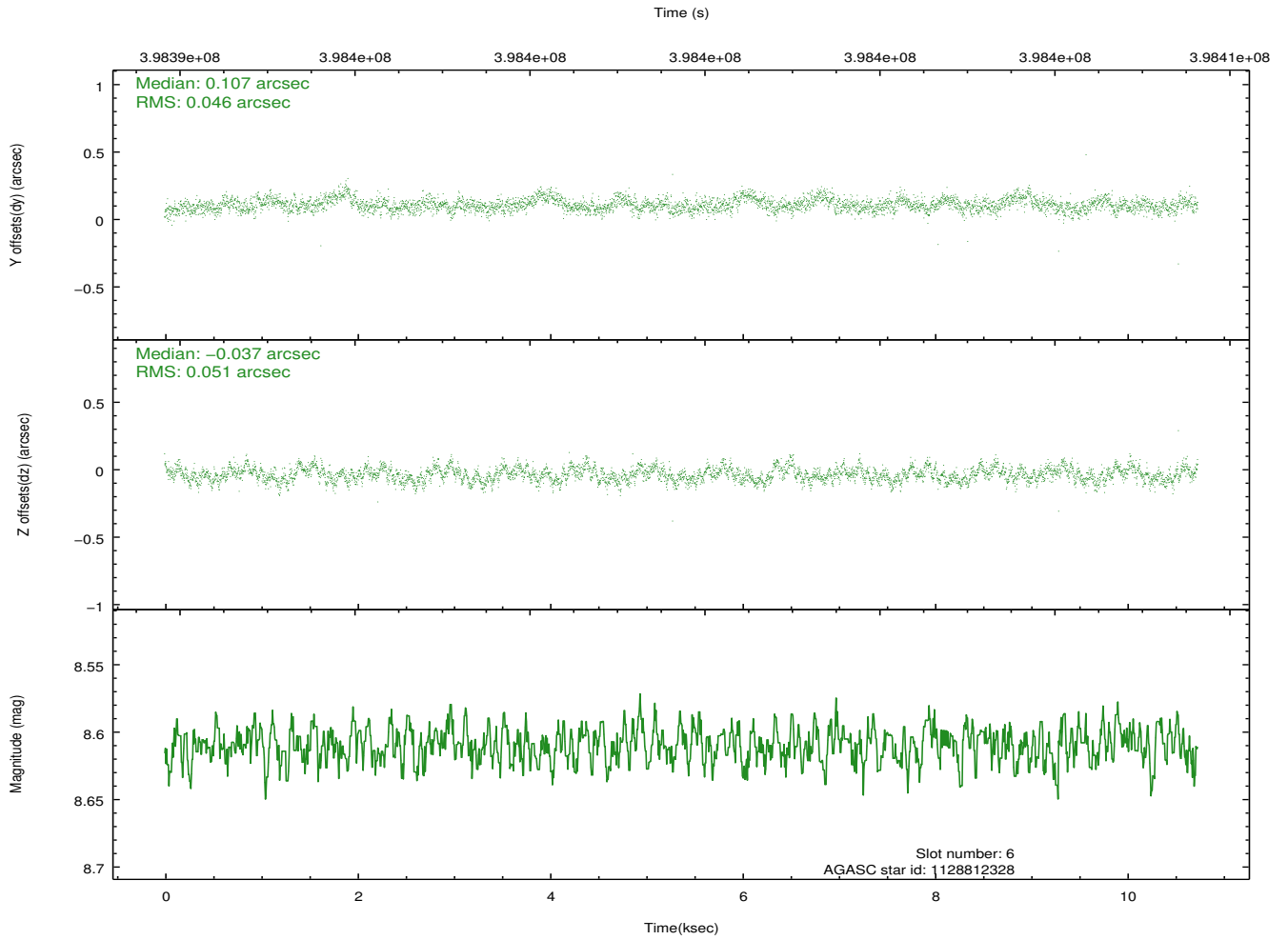
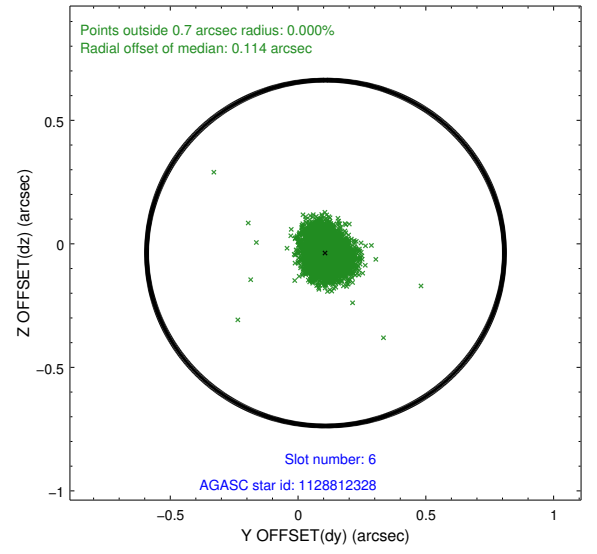
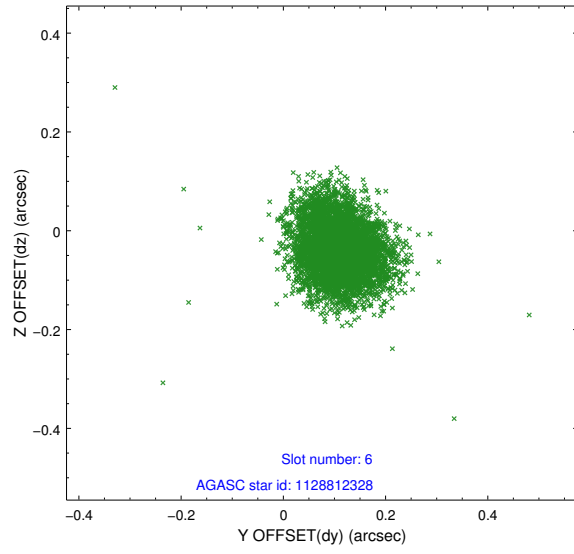
2.4.2 Slot 4



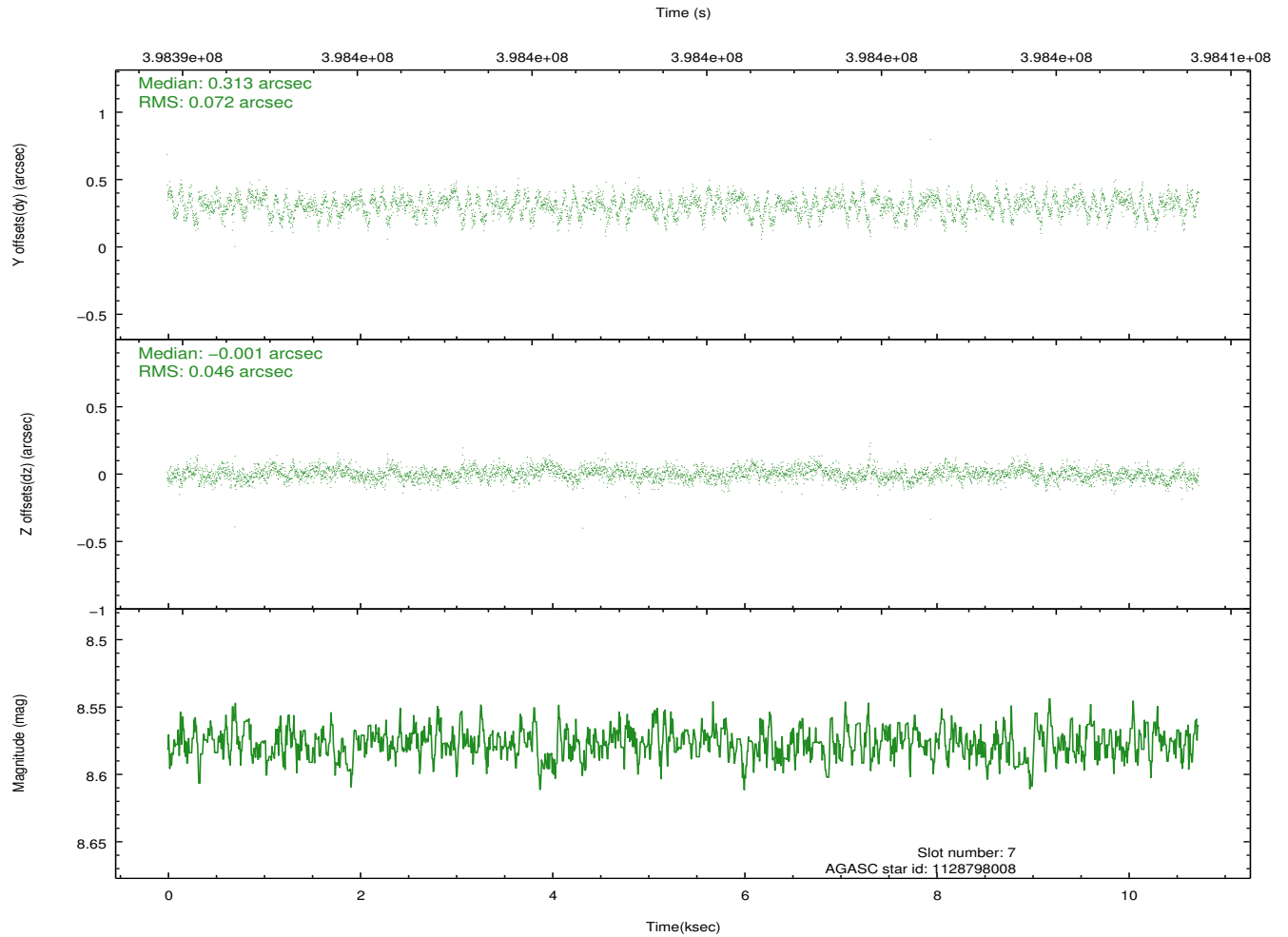
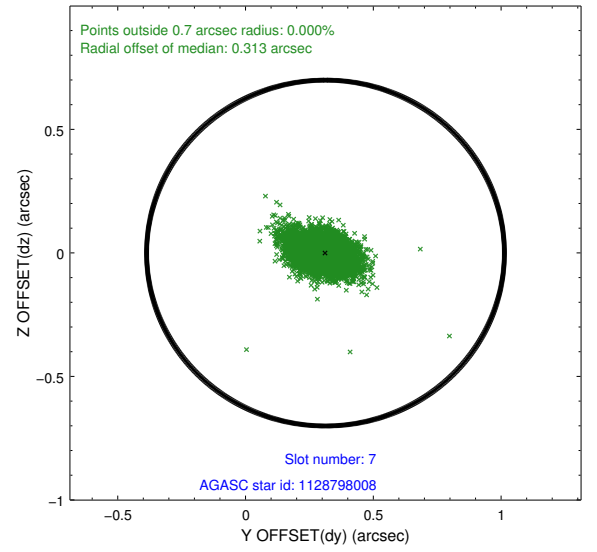
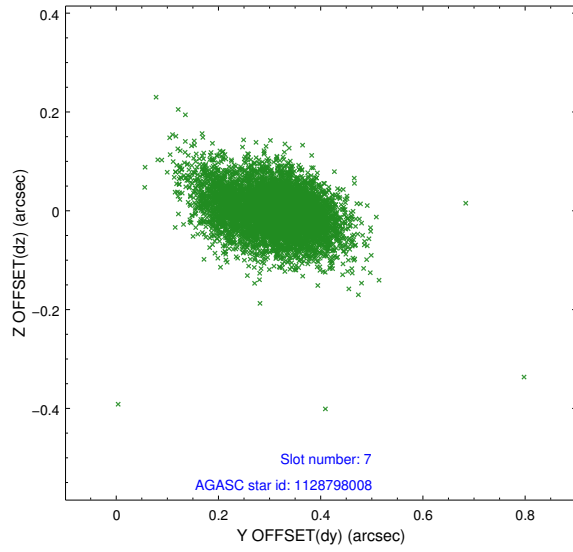
2.4.3 Slot 5



2.4.4 Slot 6

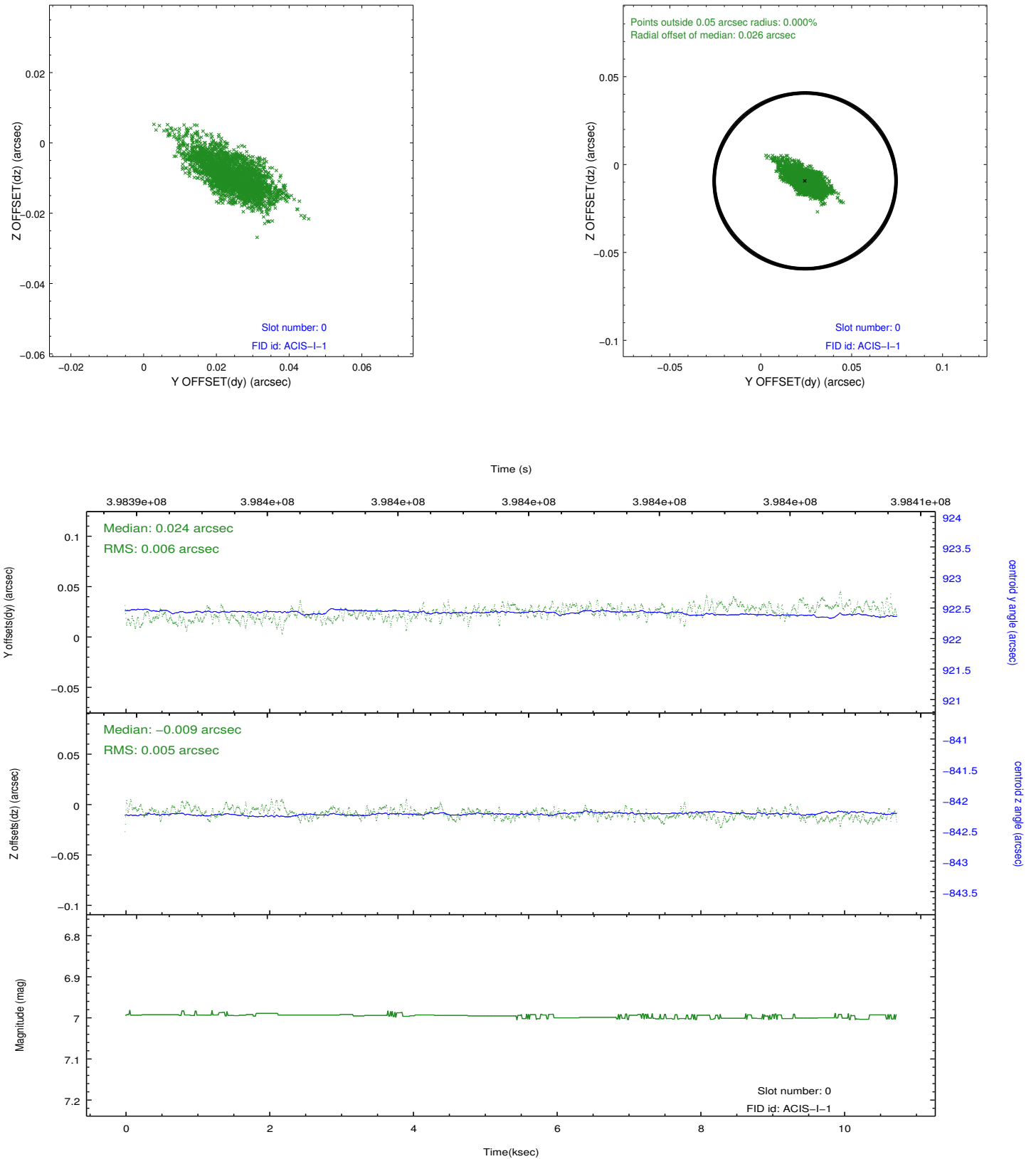


2.4.5 Slot 7

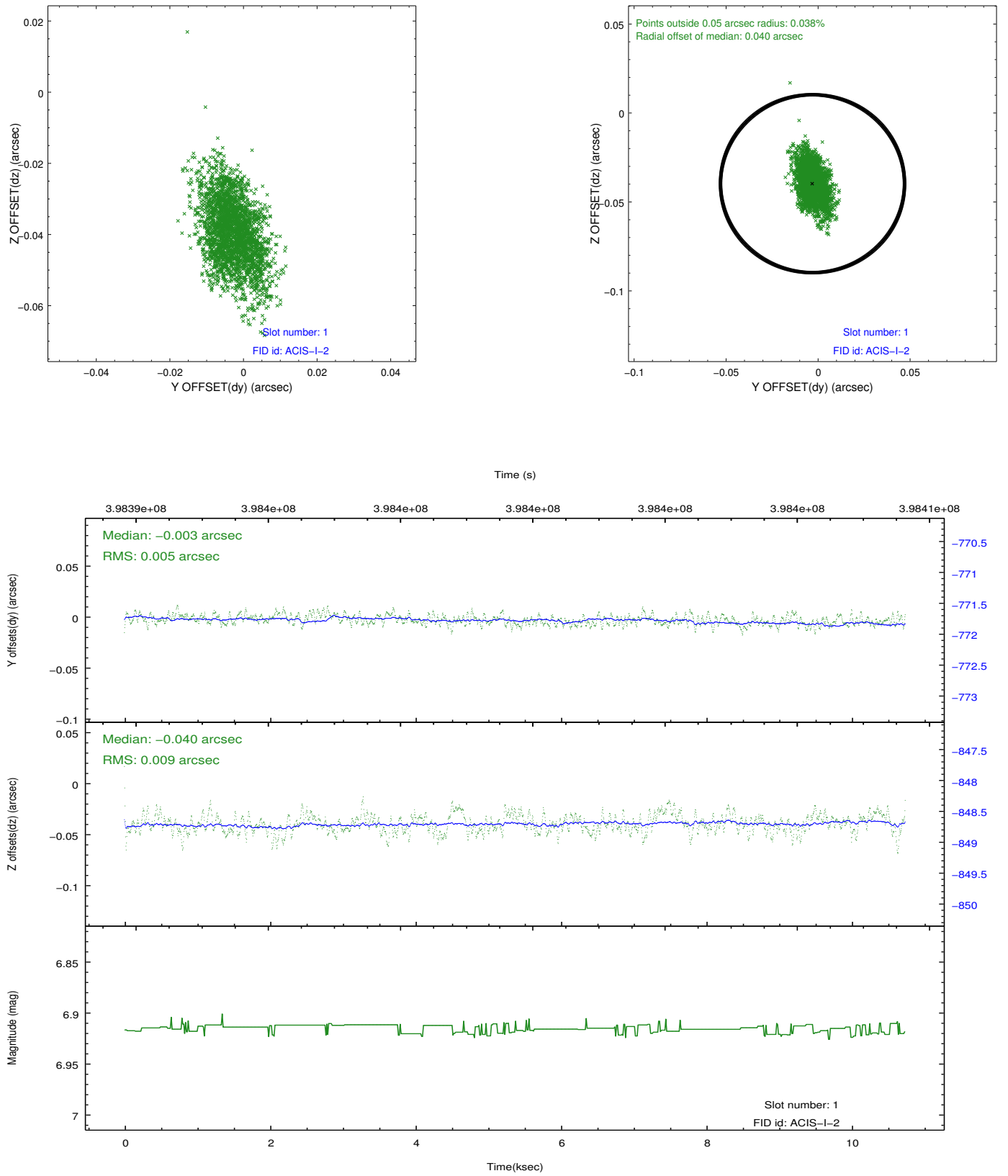


2.5 FID Slots

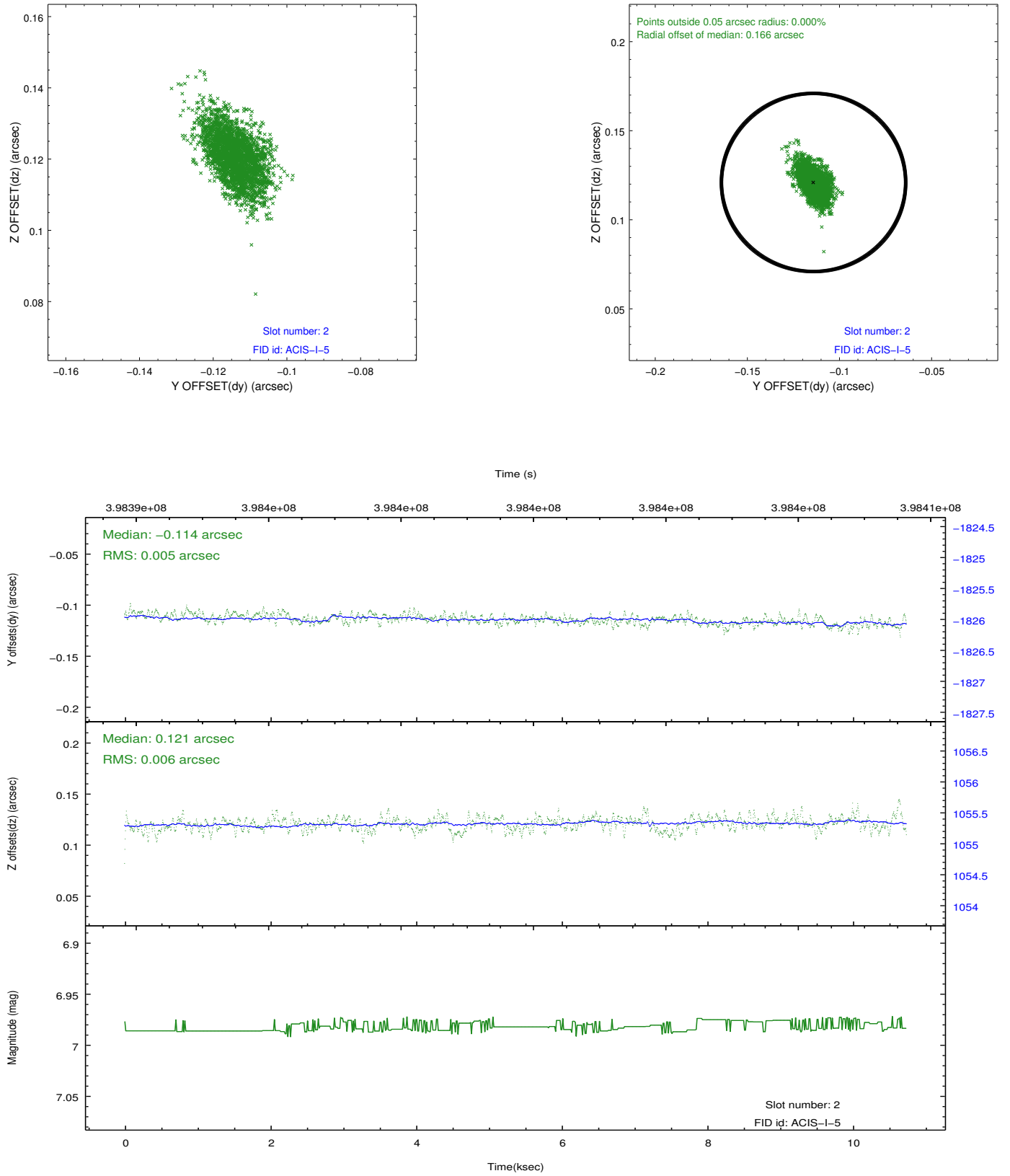
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.07.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.053186897755

A.2 Comments