

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9541 - L2 Version 2
Chandra X-Ray Center

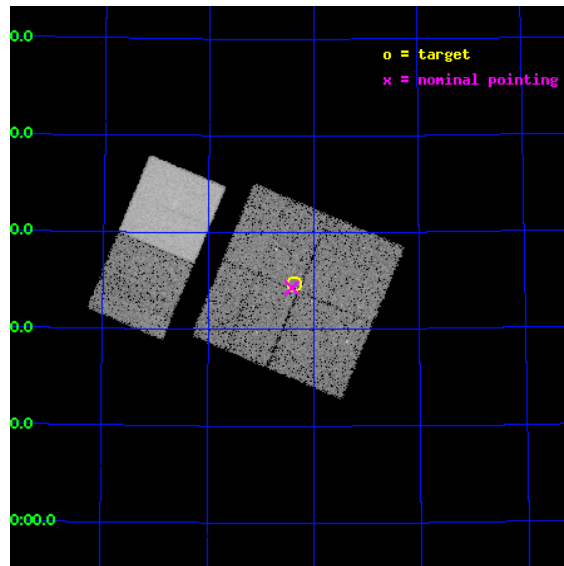
L2 Processing Date : May 17 2012

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1 Front

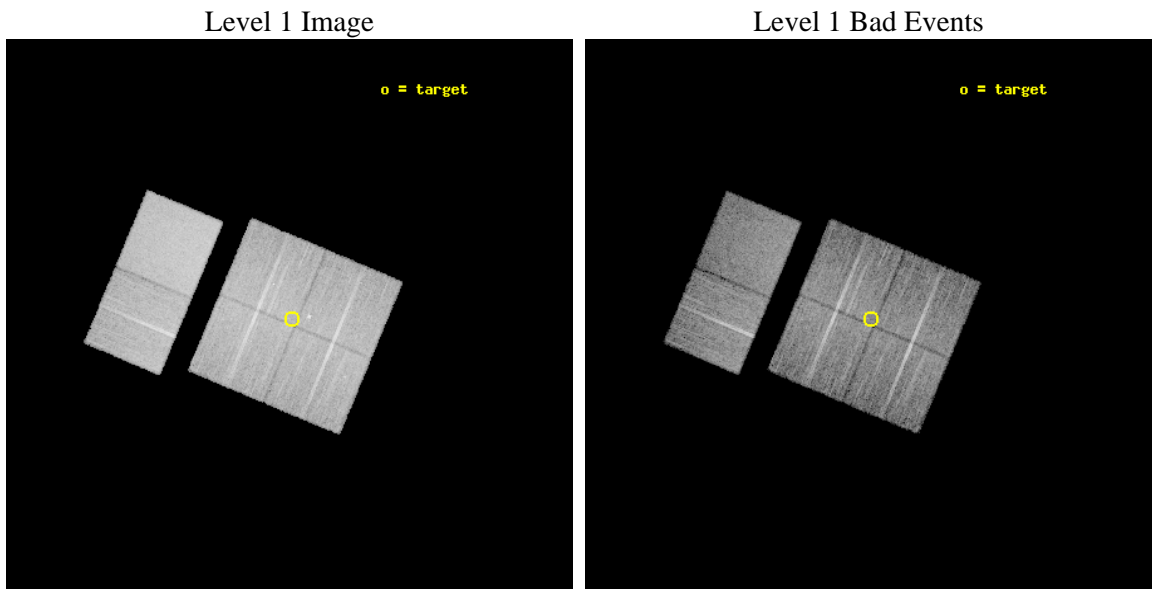
seq_num	600682	Sequence number
obs_id	9541	Observation id
title	Galaxies across the Octaves: A Chandra Legacy Survey of SINGS Galaxies	Proposal title
observer	Dr Leigh Jenkins	Principal investigator
object	IC 2574	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	157.089583	Observer's specified target RA [deg]
dec_targ	68.411389	Observer's specified target Dec [deg]
ra_nom	157.10372610078	Nominal RA [deg]
dec_nom	68.405147415129	Nominal Dec [deg]
roll_nom	292.74515510181	Nominal Roll [deg]
revision	2	Processing version of data
ontime	11379.199957669	Sum of GTIs [s]
livetime	11235.109676073	Livetime [s]
ontime0	11379.199957669	Sum of GTIs [s]
ontime1	11379.199957669	Sum of GTIs [s]
ontime2	11379.199957669	Sum of GTIs [s]
ontime3	11379.199957669	Sum of GTIs [s]
ontime6	11379.199957669	Sum of GTIs [s]
ontime7	11379.199957669	Sum of GTIs [s]
l2events	121093	Number of level 2 events



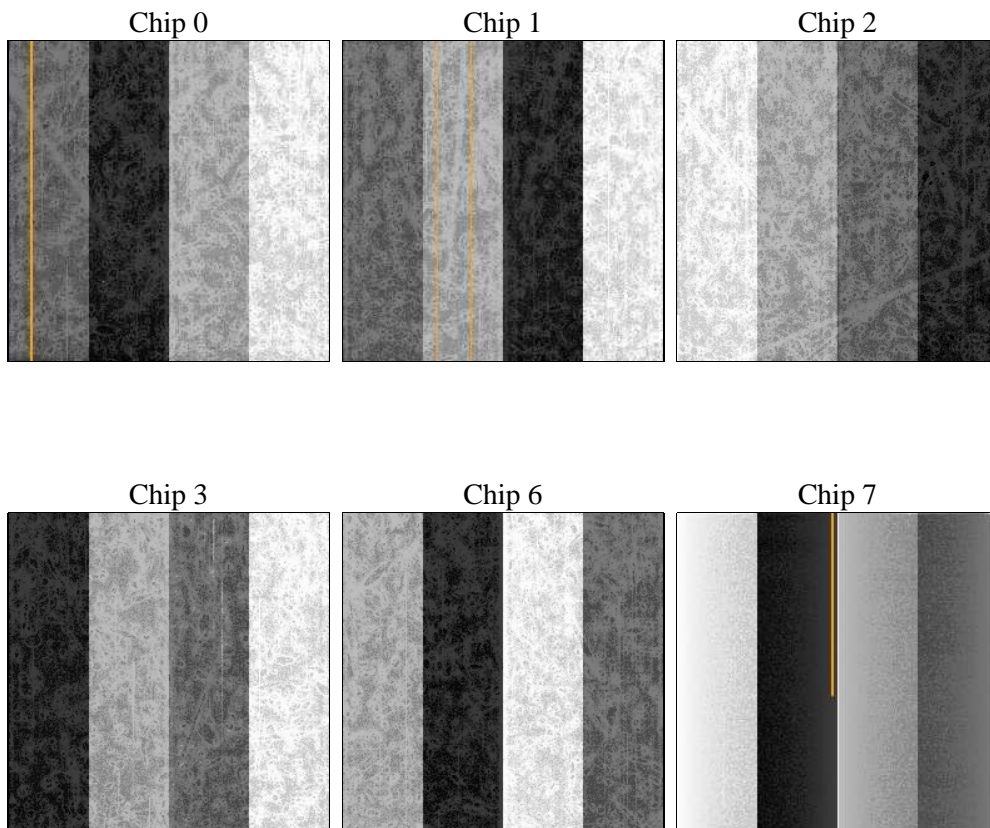
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	11200.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	11379.199957669	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	11379.199957669	Sum of GTIs [s]
date	2012-05-17T15:27:45	Date and time of file creation	ontime1	11379.199957669	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	11379.199957669	Sum of GTIs [s]
			ontime3	11379.199957669	Sum of GTIs [s]
			ontime6	11379.199957669	Sum of GTIs [s]
			ontime7	11379.199957669	Sum of GTIs [s]
			l1events	682873	Number of level 1 events

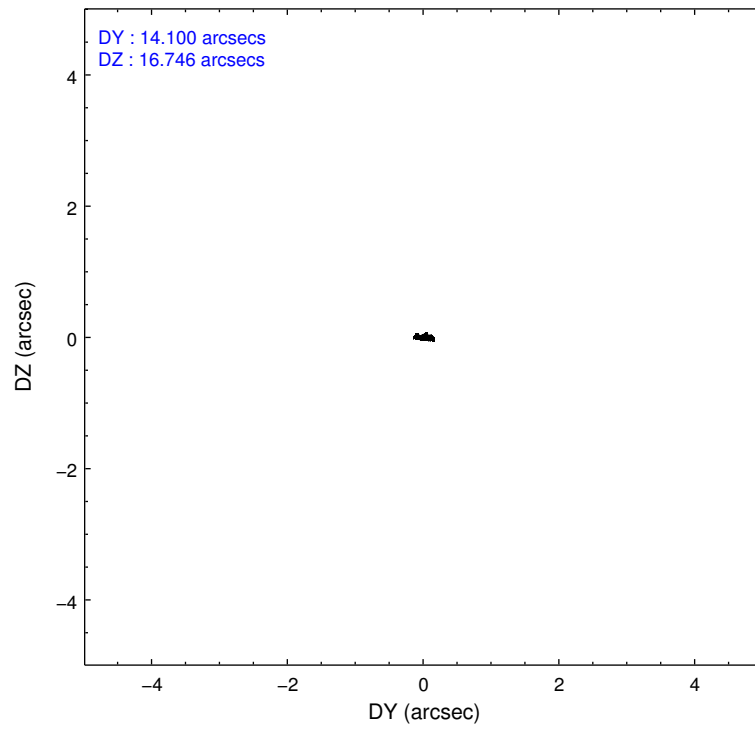
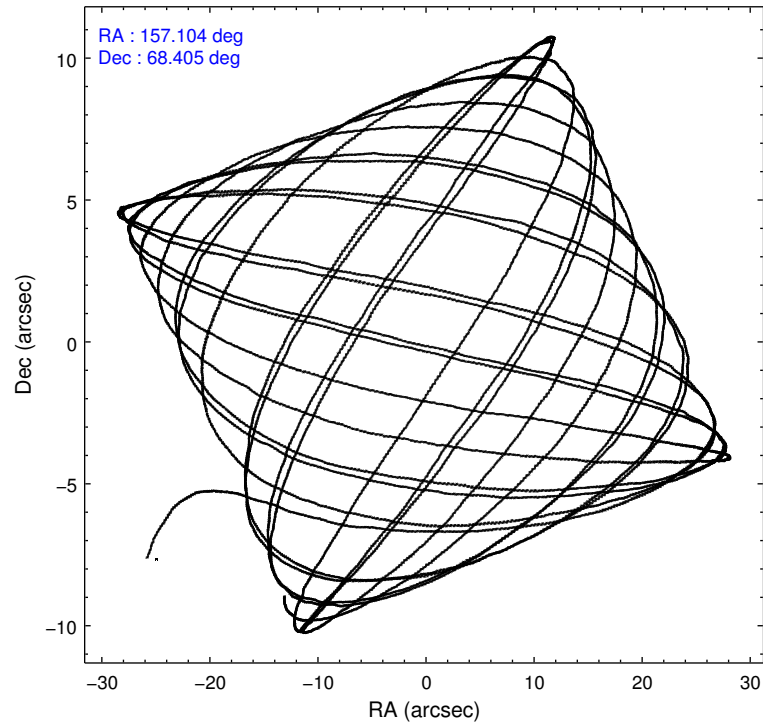
2.1.4 Events

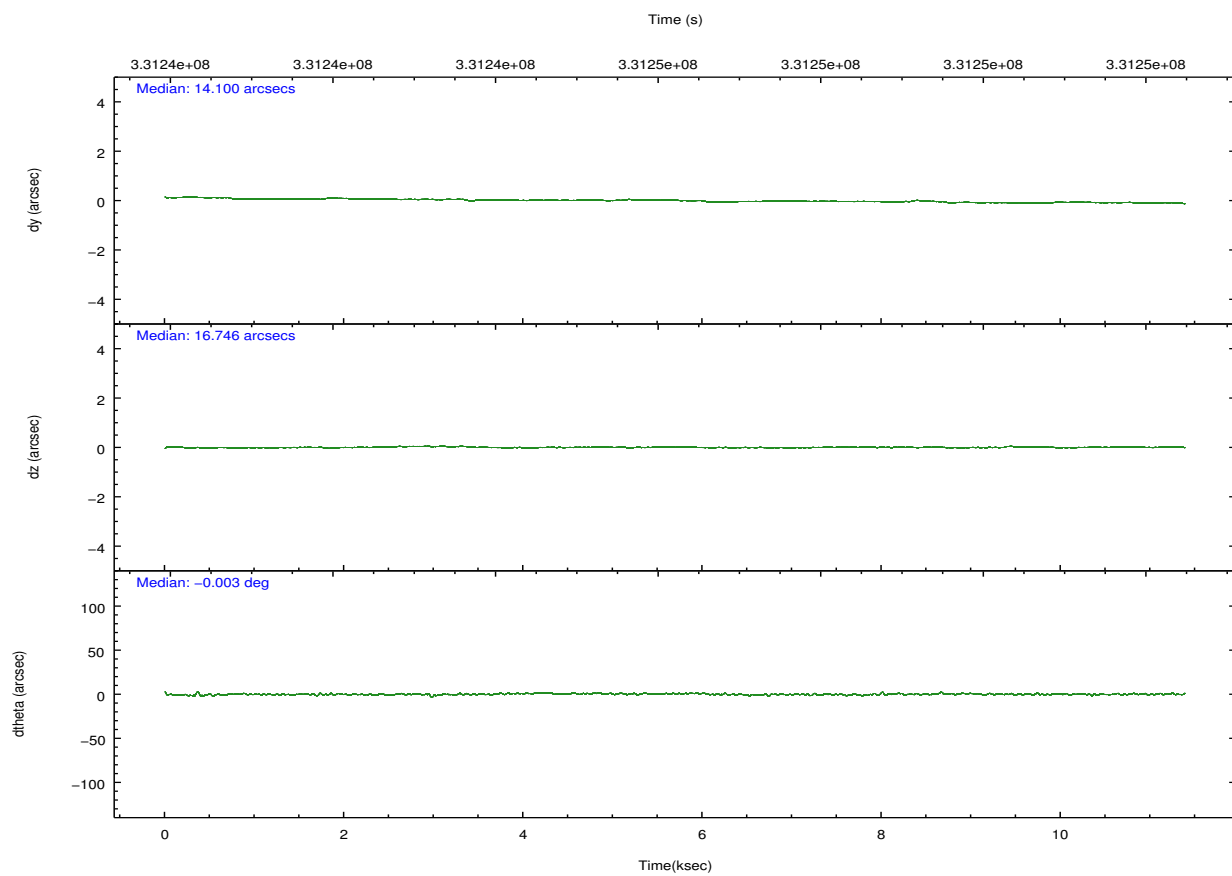
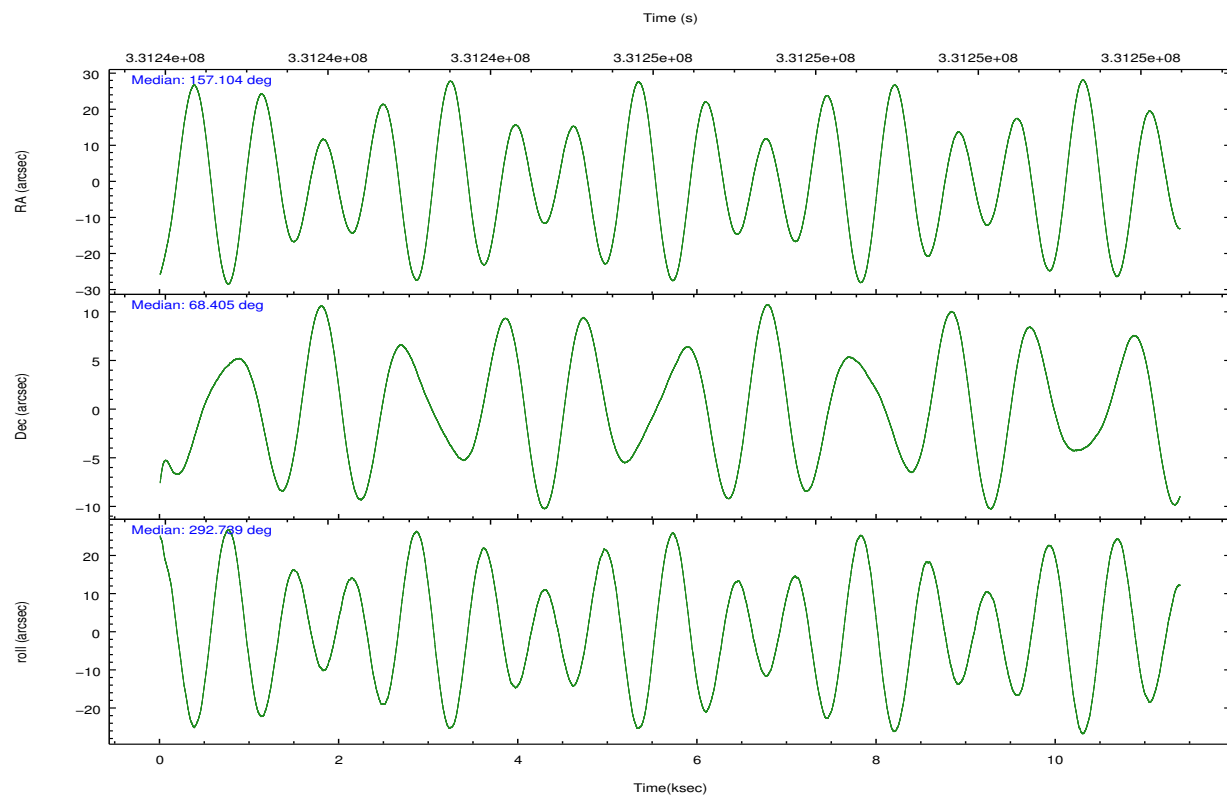
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	99353	100570	108727	107302	113958	152963	grade 0 events	5867	6249	6086	5883	5198	5452
rejected events	85585	85748	95172	94062	100371	89378		5%	6%	5%	5%	4%	3%
rejected %	86%	85%	87%	87%	88%	58%	grade 1 events	69	63	81	61	51	170
								0%	0%	0%	0%	0%	0%
							grade 2 events	3059	3367	2829	2697	3101	13021
								3%	3%	2%	2%	2%	8%
							grade 3 events	1334	1264	1204	1250	1305	5387
								1%	1%	1%	1%	1%	3%
							grade 4 events	1225	1292	1247	1180	1253	5337
								1%	1%	1%	1%	1%	3%
							grade 5 events	4550	4907	4364	5093	5376	14427
								4%	4%	4%	4%	4%	9%
							grade 6 events	2345	2736	2253	2311	2804	34733
								2%	2%	2%	2%	2%	22%
							grade 7 events	80904	80692	90663	88827	94870	74436
								81%	80%	83%	82%	83%	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	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	157.044035	157.1037261007837	CCD I2 on	Y	Y
[deg] Pointing Dec	68.421748	68.40514741512929	CCD I3 on	Y	Y
[deg] Pointing Roll	292.591976	292.7451551018065	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)	331240705.184000	331239600.0422	CCD S5 on	N	N
Observation start date	2008-06-30T19:17:20	2008-06-30T19:00:00	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	331251905.184000	331253104.41786	On-chip summing requested	N	N
Observation end date	2008-06-30T22:24:00	2008-06-30T22:45:04	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



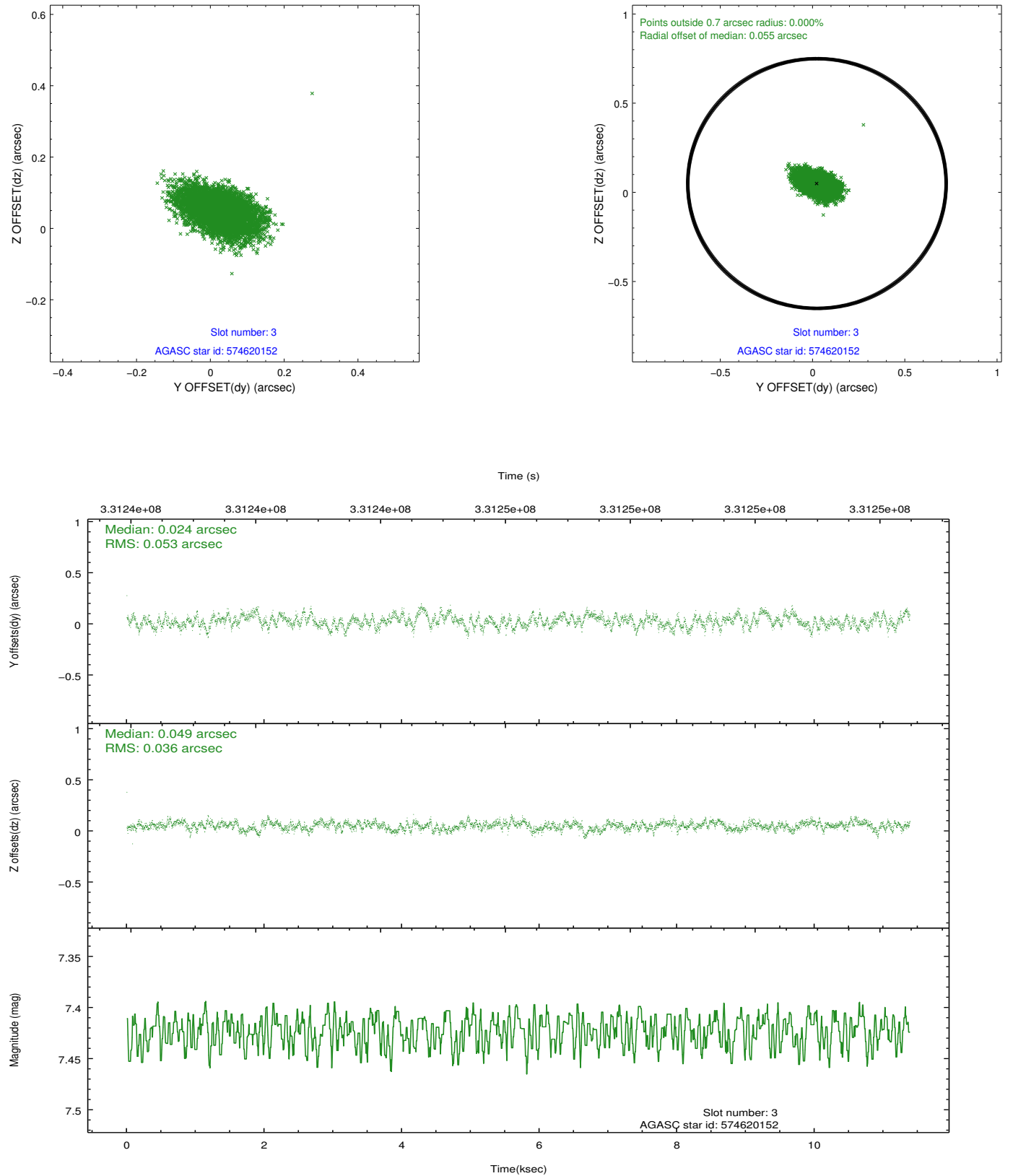


Slot Statistics

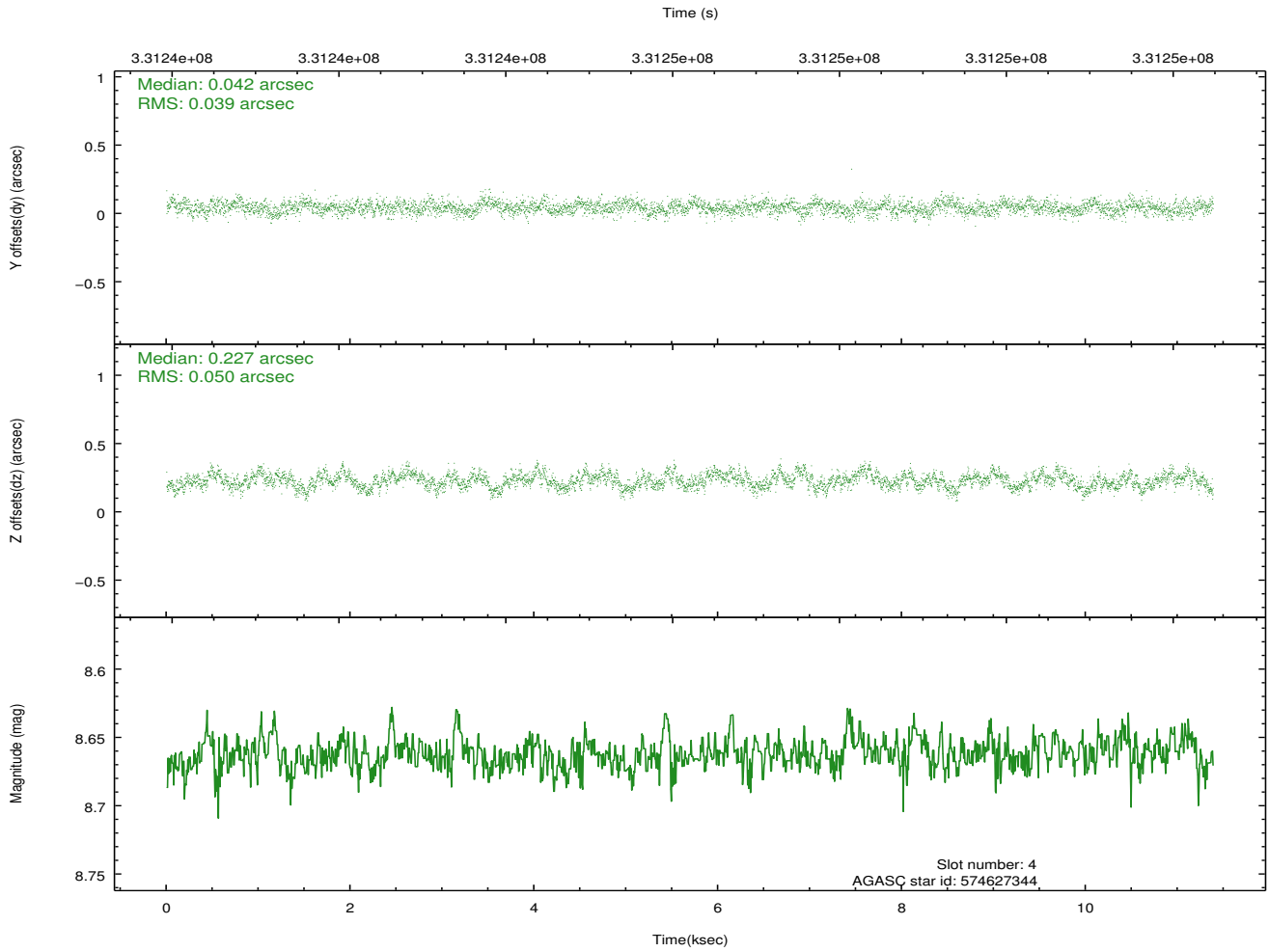
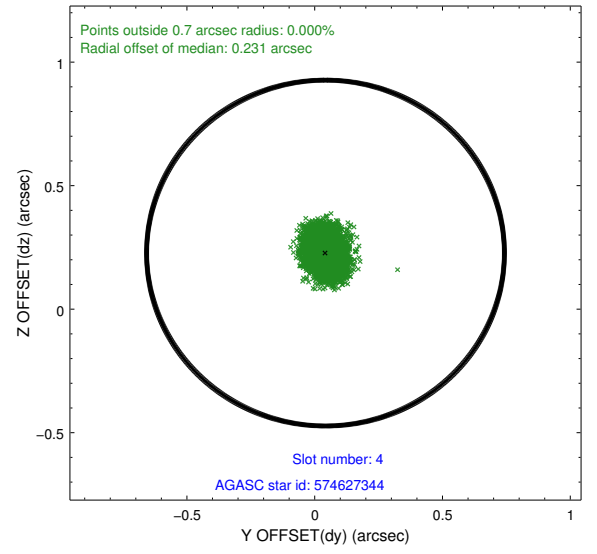
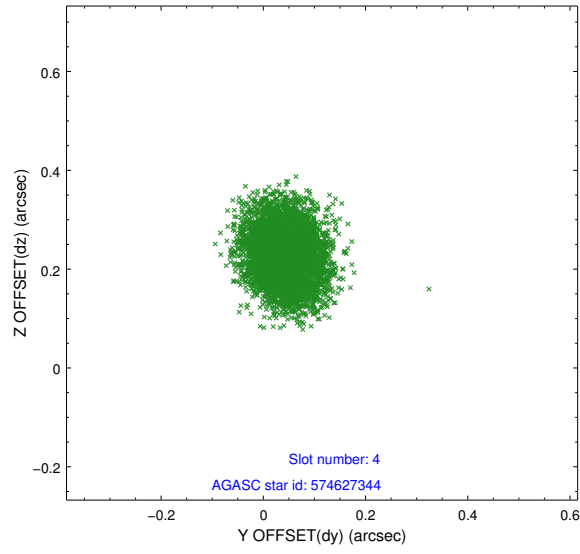
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	6.92	2777	-0.086	-0.092	0.009	0.017	0.000000	0.000000	-768.86	-846.86
1	FID	ACIS-I-4	6.92	2777	0.152	0.077	0.007	0.012	0.000000	0.000000	2145.21	1059.29
2	FID	ACIS-I-5	6.98	2777	-0.167	0.083	0.009	0.015	0.000000	0.000000	-1822.22	1057.61
3	GUIDE	574620152	7.42	5555	0.024	0.049	0.067	0.116	156.578760	67.685209	2201.84	-1605.02
4	GUIDE	574627344	8.66	5550	0.042	0.227	0.068	0.109	156.161632	68.920176	-2102.59	-362.66
5	GUIDE	574629832	9.09	5551	-0.026	-0.187	0.091	0.142	156.861737	68.856665	-1536.14	383.69
6	GUIDE	574633632	8.01	5555	0.031	-0.113	0.062	0.101	157.840085	68.325310	720.59	846.92
7	GUIDE	574620360	8.81	5553	-0.073	0.025	0.078	0.125	158.338736	67.894487	2409.40	897.70

2.4 Star Slots

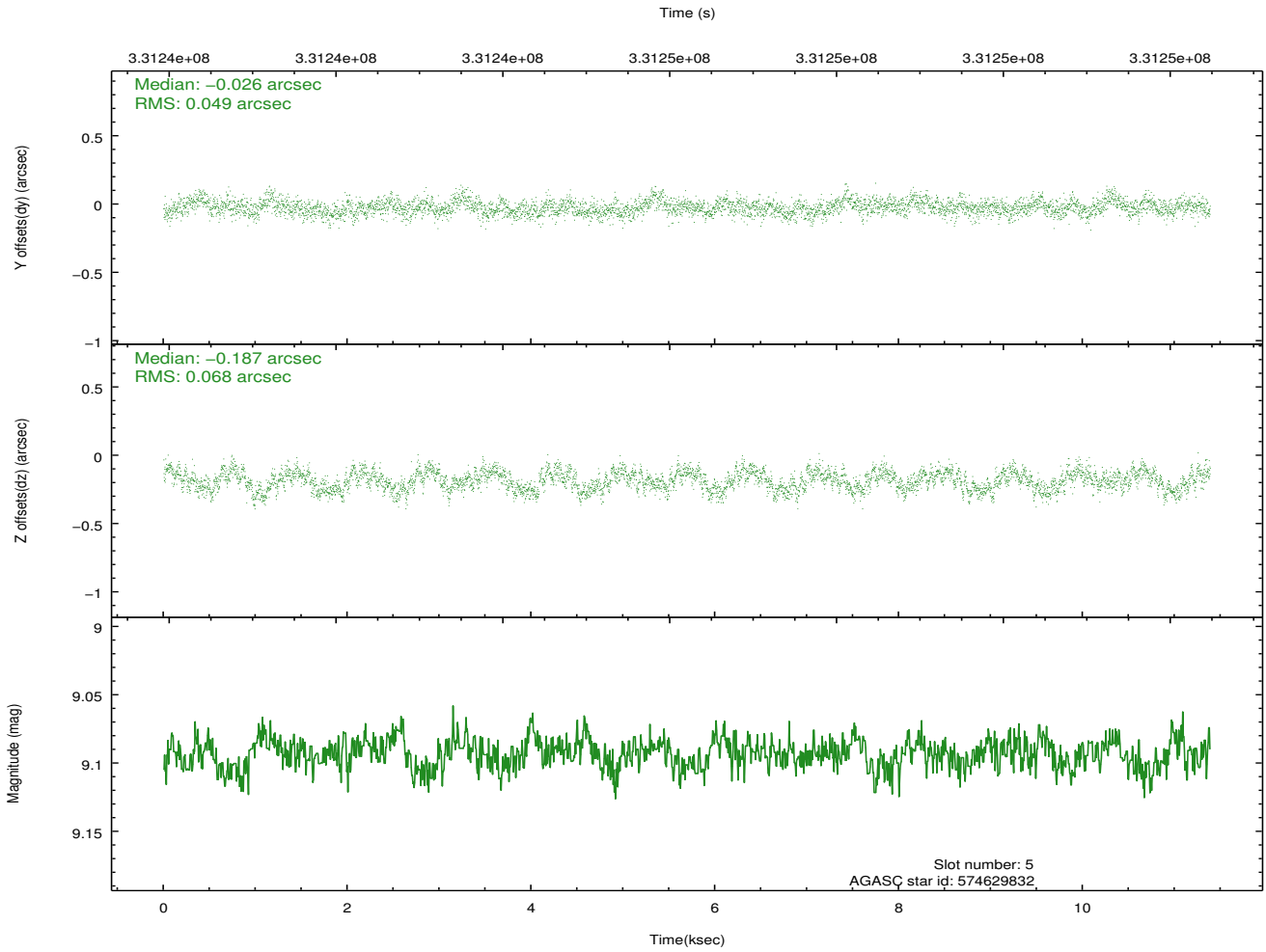
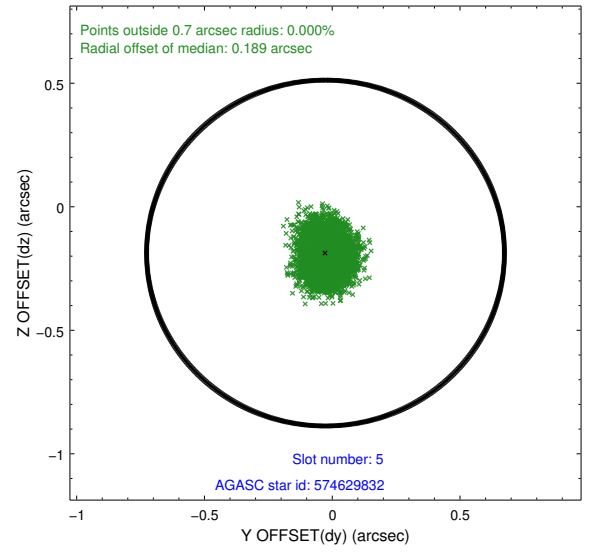
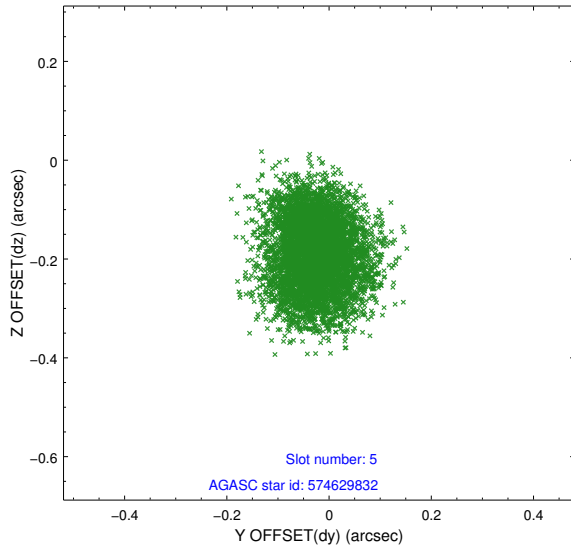
2.4.1 Slot 3



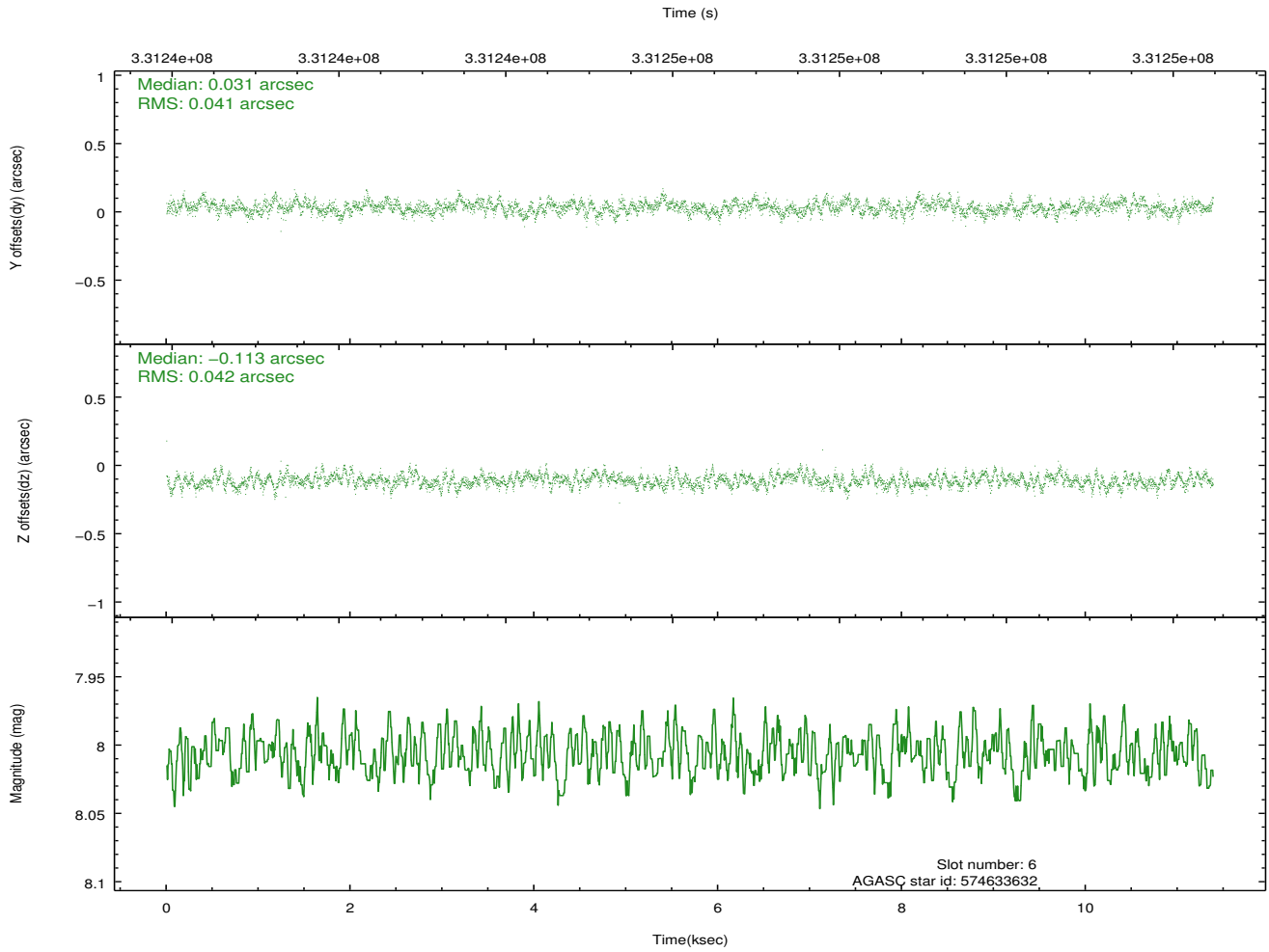
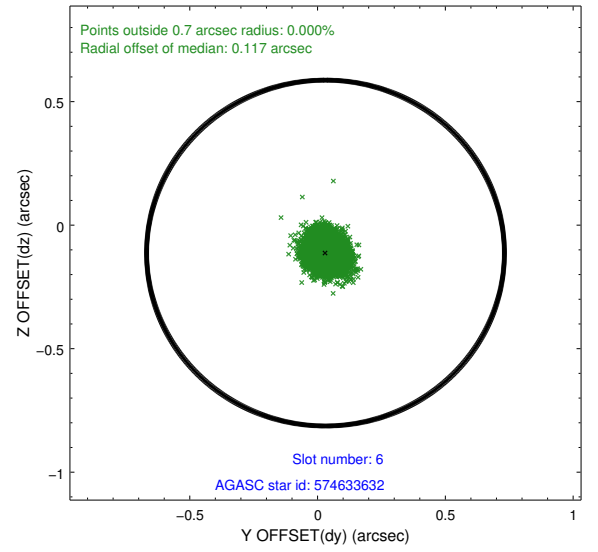
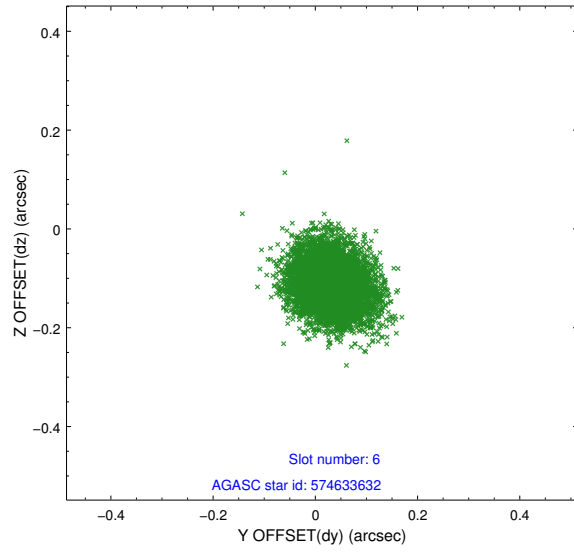
2.4.2 Slot 4



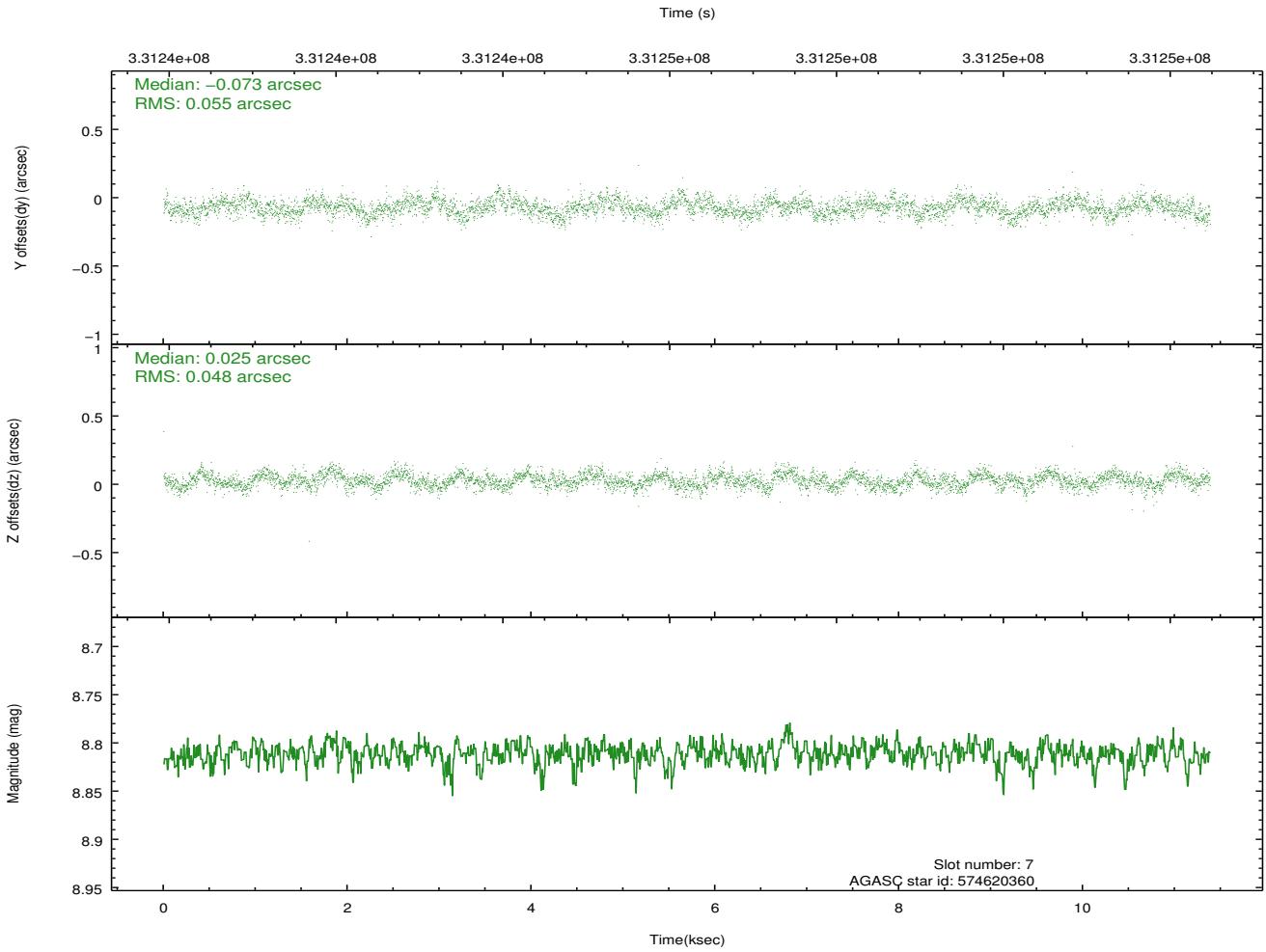
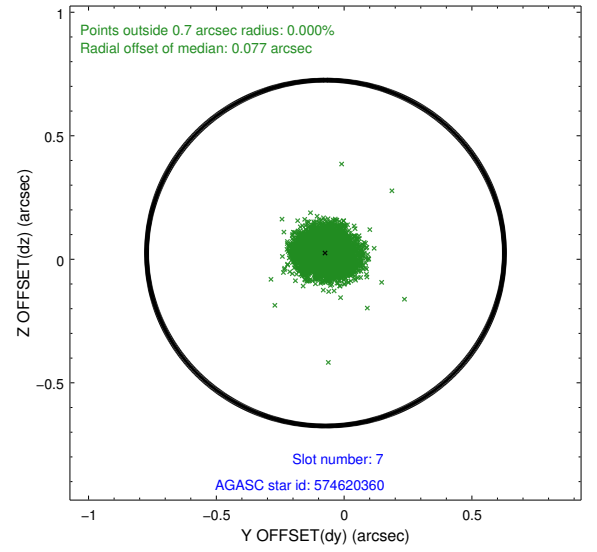
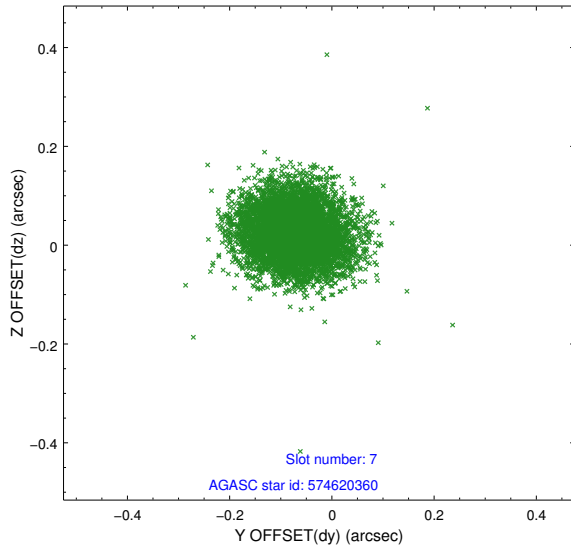
2.4.3 Slot 5



2.4.4 Slot 6

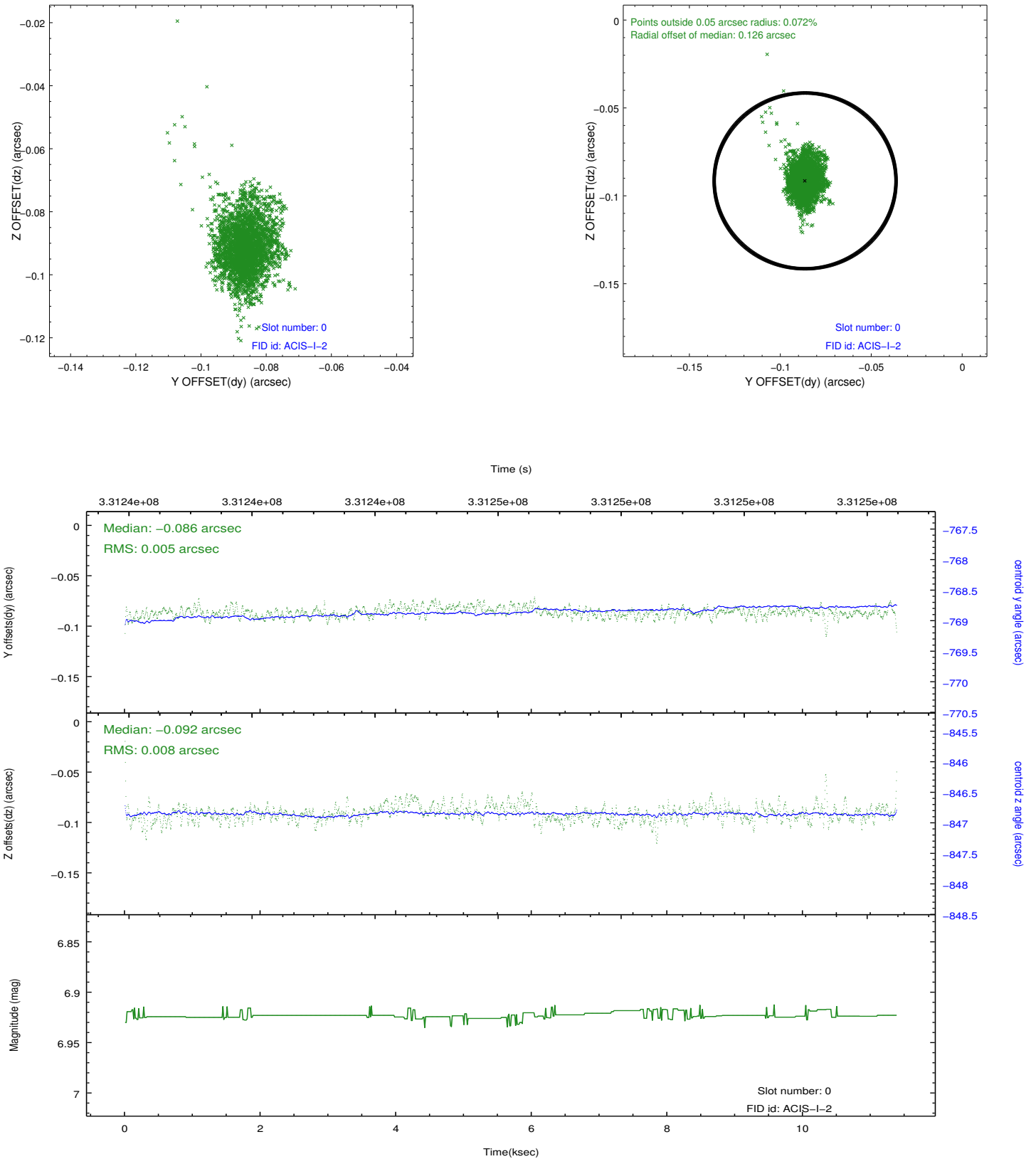


2.4.5 Slot 7

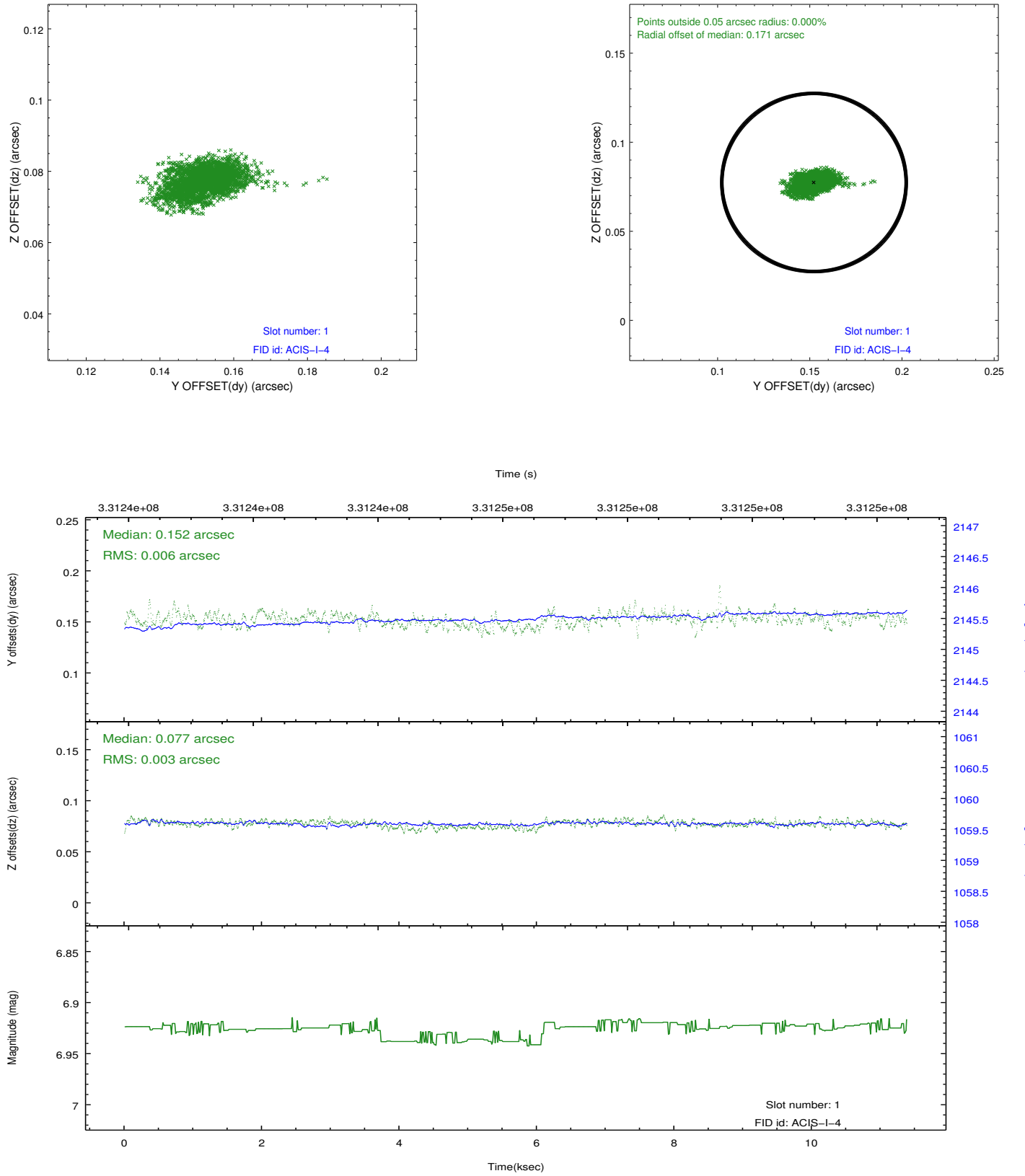


2.5 FID Slots

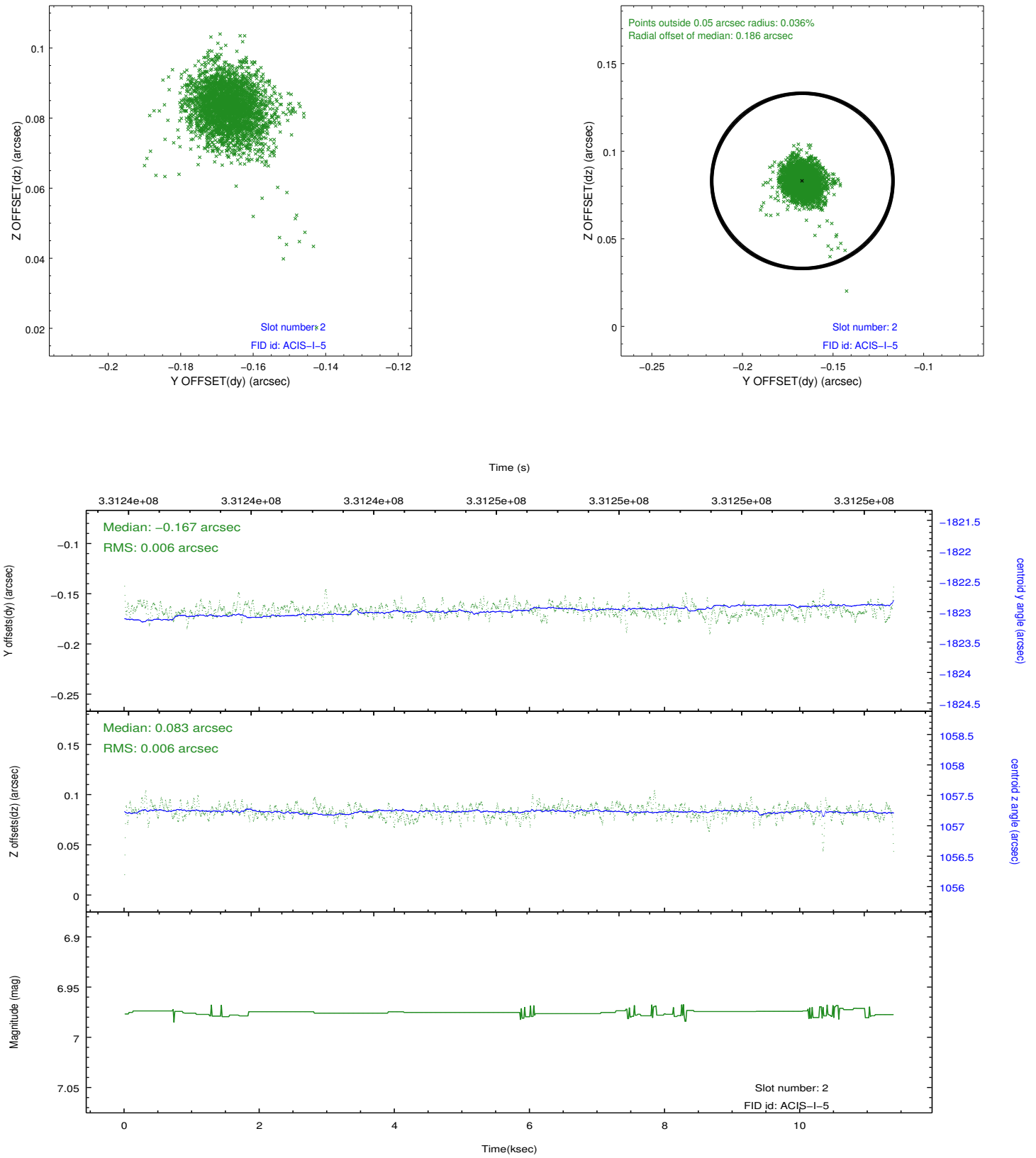
2.5.1 Slot 0



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)	2012.05.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	11.3791999

A.2 Comments