

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9843 - L2 Version 2
Chandra X-Ray Center

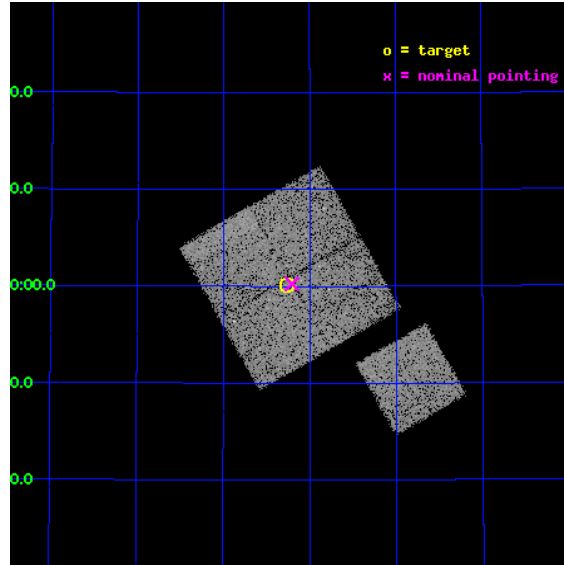
L2 Processing Date : May 12 2012

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1 Front

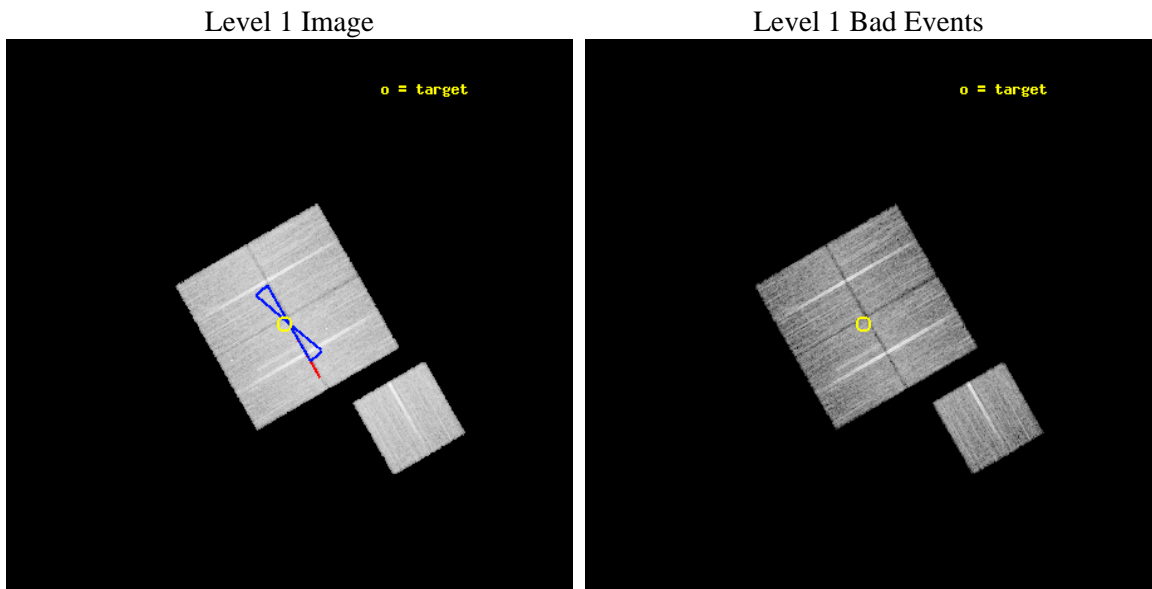
seq_num	900796	Sequence number
obs_id	9843	Observation id
title	The Evolution of Faint AGN at High Redshift	Proposal title
observer	Prof Kirpal Nandra	Principal investigator
object	AEGIS-1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	215.064583	Observer's specified target RA [deg]
dec_targ	53.002694	Observer's specified target Dec [deg]
ra_nom	215.05142682476	Nominal RA [deg]
dec_nom	53.004480858998	Nominal Dec [deg]
roll_nom	150.21920511015	Nominal Roll [deg]
revision	2	Processing version of data
ontime	13661.659134805	Sum of GTIs [s]
livetime	13483.159500642	Livetime [s]
ontime0	13661.659134805	Sum of GTIs [s]
ontime1	13664.800105095	Sum of GTIs [s]
ontime2	13661.659134746	Sum of GTIs [s]
ontime3	13661.659134805	Sum of GTIs [s]
ontime6	13664.800105095	Sum of GTIs [s]
l2events	46000	Number of level 2 events



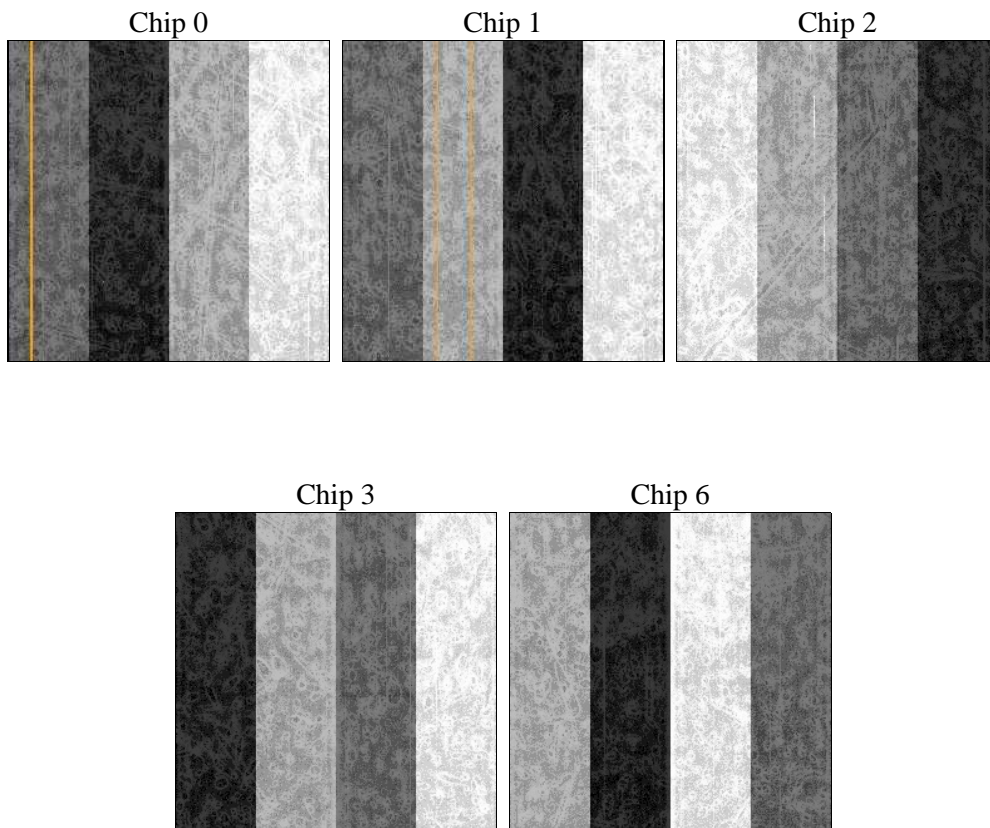
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	13508.286000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	13661.659134805	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	13661.659134805	Sum of GTIs [s]
date	2012-05-12T13:22:56	Date and time of file creation	ontime1	13664.800105095	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	13661.659134746	Sum of GTIs [s]
			ontime3	13661.659134805	Sum of GTIs [s]
			ontime6	13664.800105095	Sum of GTIs [s]
			l1events	605893	Number of level 1 events

2.1.4 Events

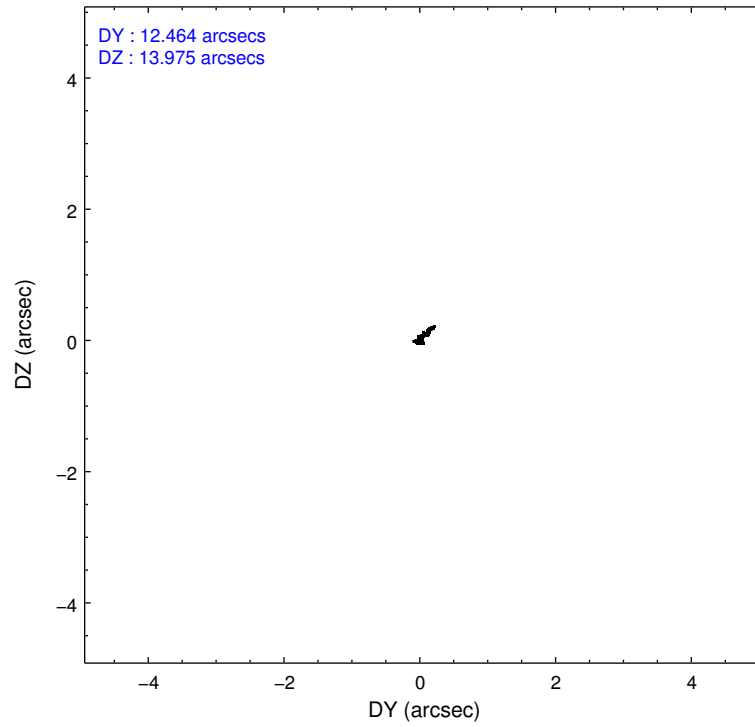
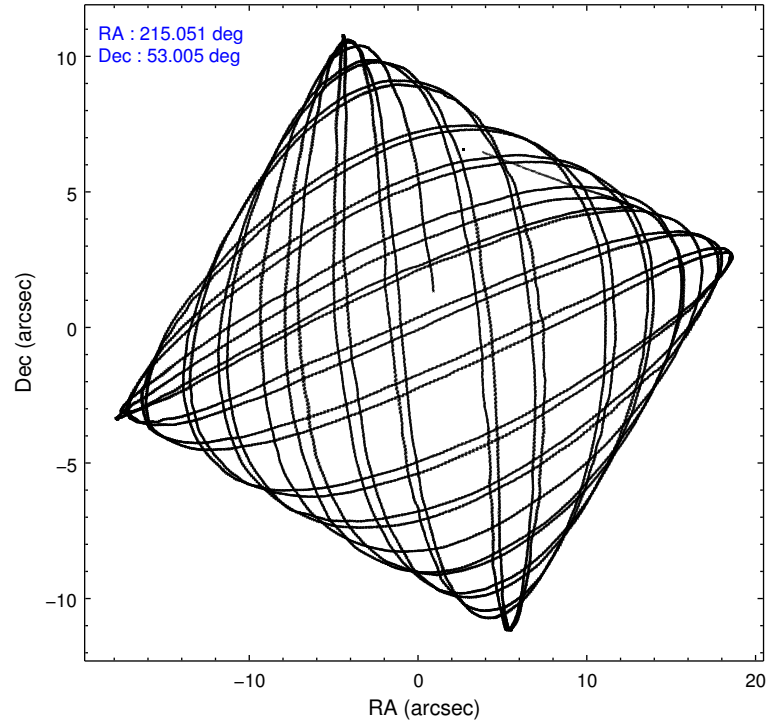
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	115223	113724	129697	123095	124154
rejected events	104202	101469	118790	112671	113343
rejected %	90%	89%	91%	91%	91%

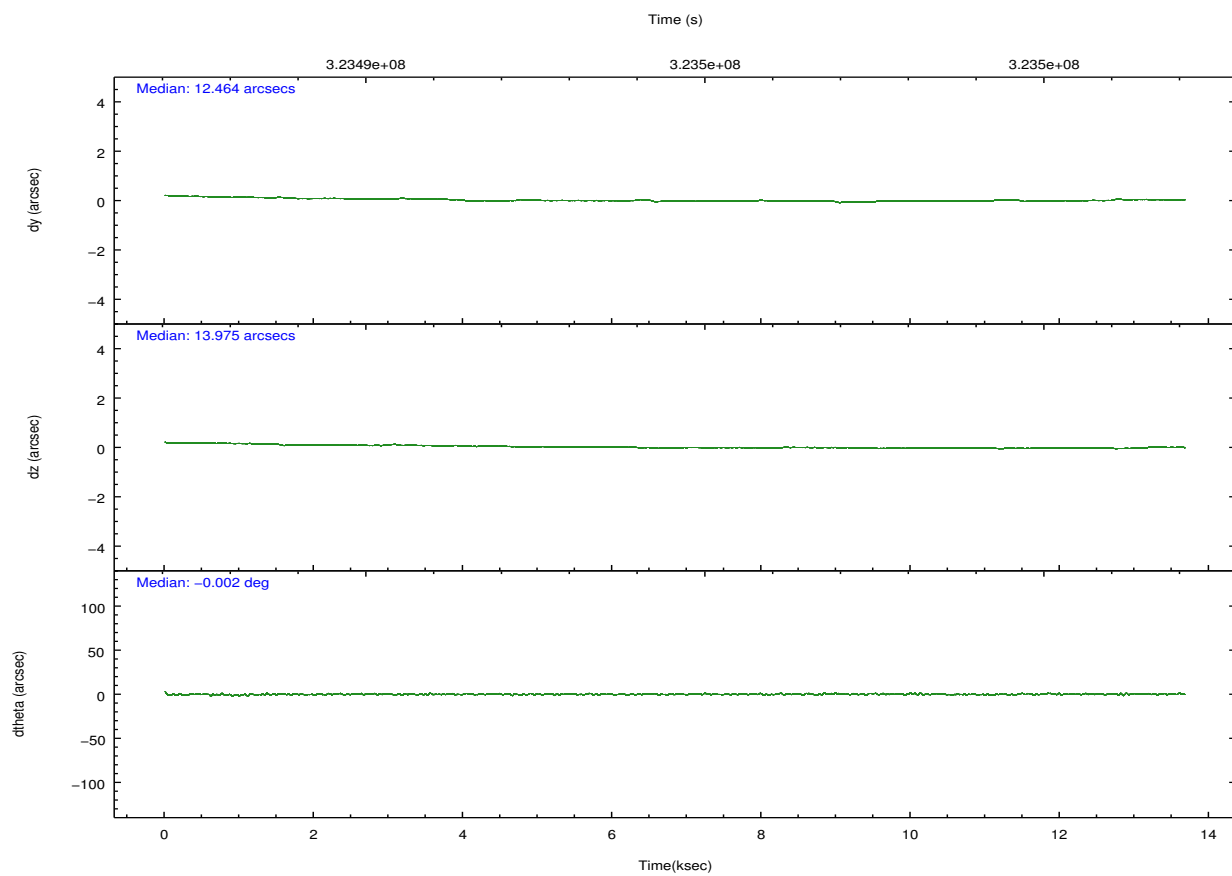
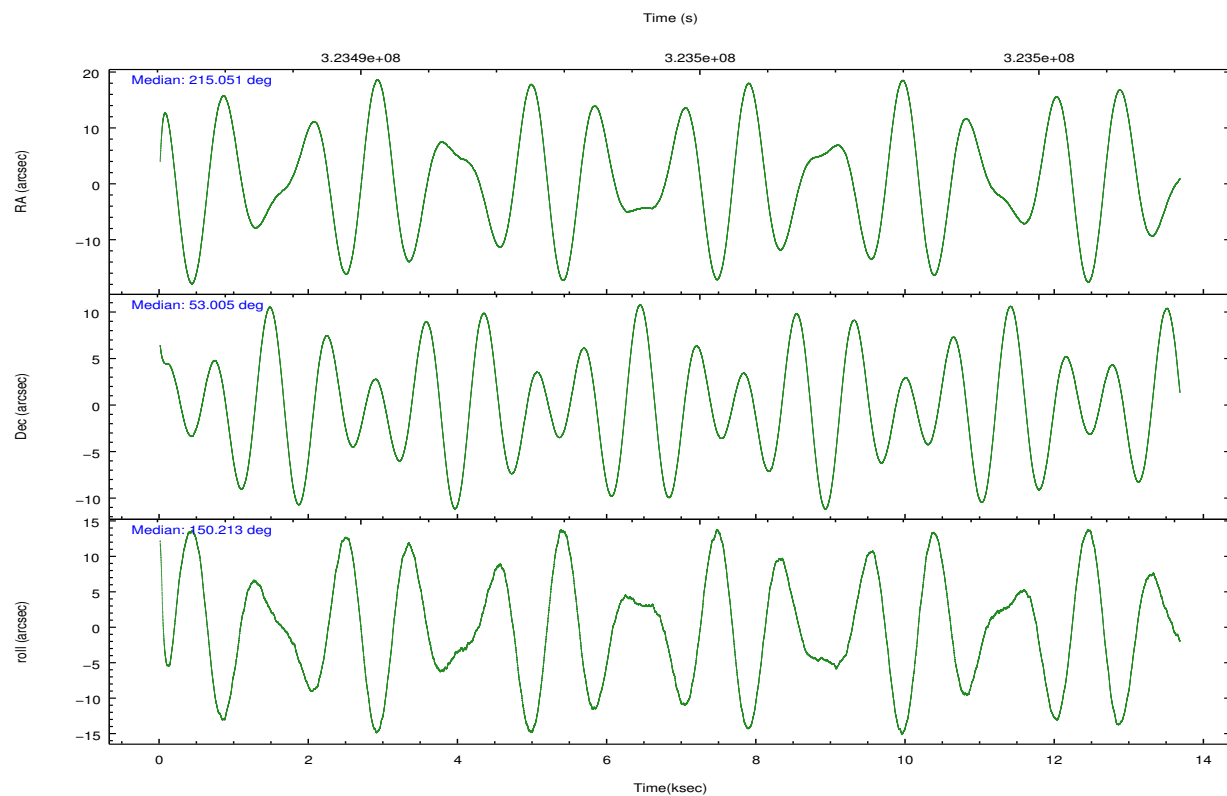
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	4229	4954	4434	4259	4274
	3%	4%	3%	3%	3%
grade 1 events	78	79	69	77	42
	0%	0%	0%	0%	0%
grade 2 events	2996	3170	2946	2597	2645
	2%	2%	2%	2%	2%
grade 3 events	1440	1542	1314	1319	1342
	1%	1%	1%	1%	1%
grade 4 events	1337	1448	1342	1283	1365
	1%	1%	1%	1%	1%
grade 5 events	4447	4794	4179	5198	4786
	3%	4%	3%	4%	3%
grade 6 events	2454	2859	2340	2422	2706
	2%	2%	1%	1%	2%
grade 7 events	98242	94878	113073	105940	106994
	85%	83%	87%	86%	86%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	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	215.097166	215.0514268247612	CCD I2 on	Y	Y
[deg] Pointing Dec	53.004646	53.00448085899843	CCD I3 on	Y	Y
[deg] Pointing Roll	149.973978	150.2192051101488	CCD S0 on	N	N
[deg] Roll angle	50.000000	50.000000	CCD S1 on	N	N
[deg] Roll tolerance	10.000000	10.000000	CCD S2 on	O1	Y
Roll constraint allows 180D rotation	Y	Y	CCD S3 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S4 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S5 on	N	N
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	Number of optional ACIS chips dropped	0	0
[mm] SIM translation stage offset	0	-0.005018542100998502	On-chip summing requested	N	N
[s] Observation start time (MET)	323487889.184000	323485869.80146	Subarray requested	NONE	NONE
Observation start date	2008-04-02T01:43:44	2008-04-02T01:11:09	Alternating exposures requested	N	N
[s] Observation end time (MET)	323501398.184000	323501628.15223	[s] Primary exposure time	0.000000	3.1
Observation end date	2008-04-02T05:28:53	2008-04-02T05:33:48			
Read mode	TIMED	TIMED			

2.3 Aspect



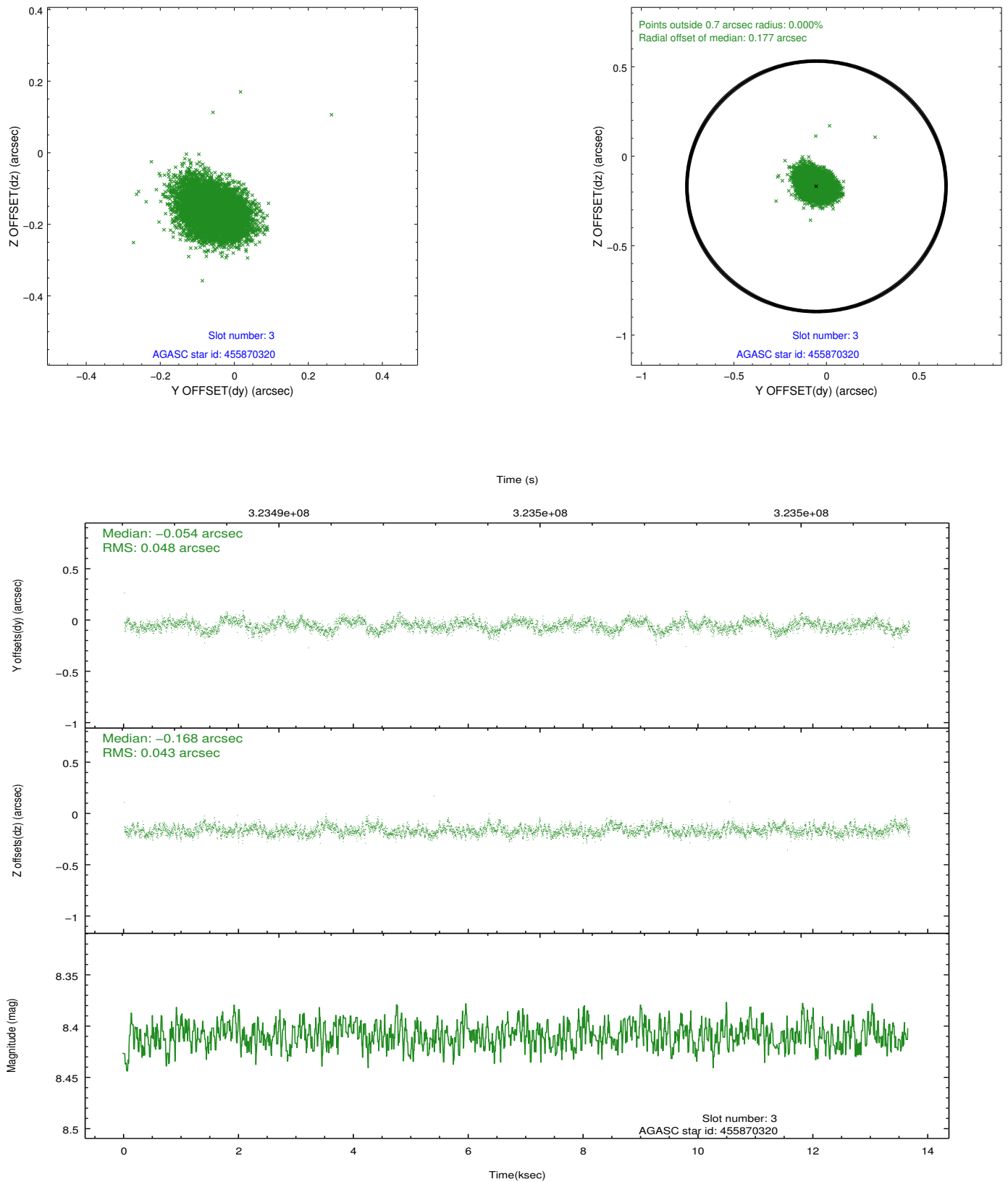


Slot Statistics

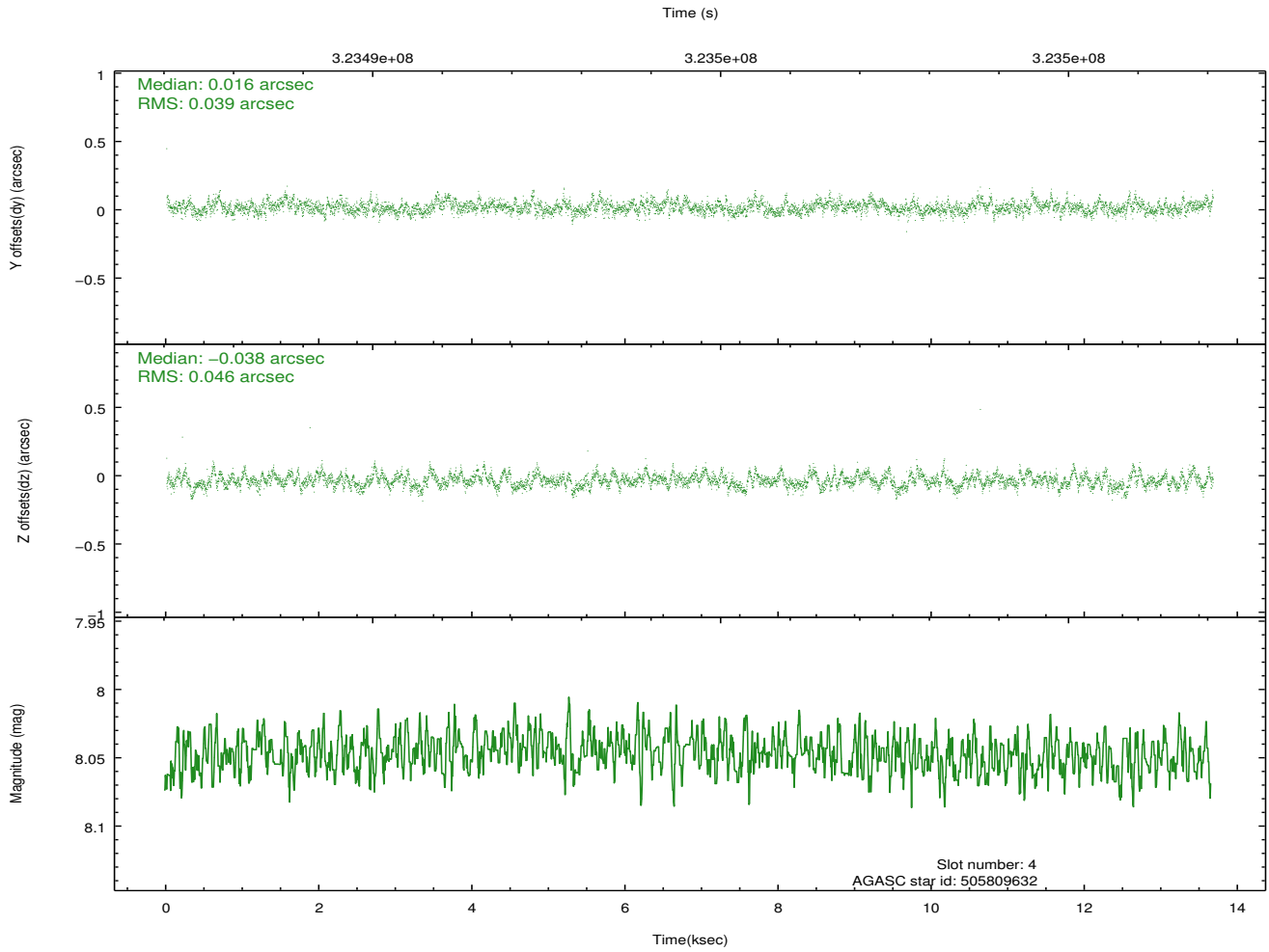
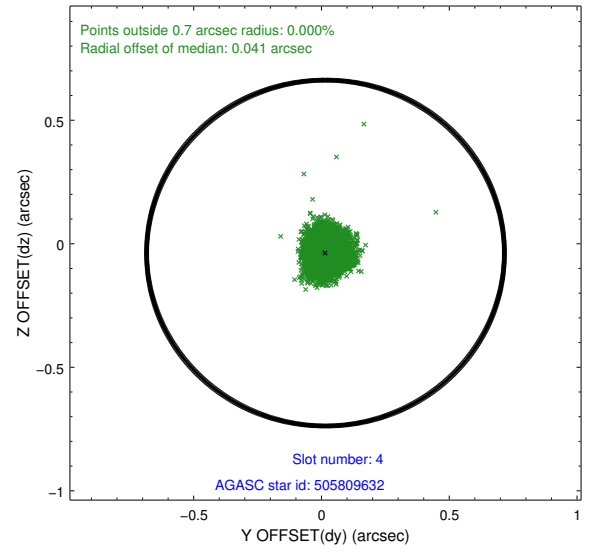
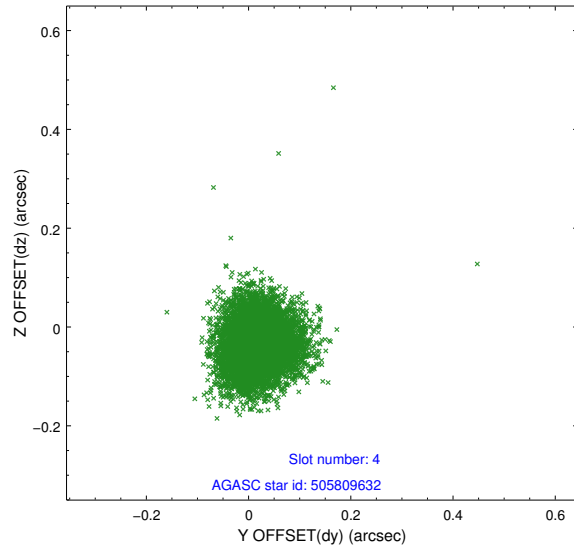
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	3334	-0.023	0.026	0.008	0.015	0.000000	0.000000	927.01	-837.55
1	FID	ACIS-I-4	7.17	3335	0.181	0.016	0.008	0.013	0.000000	0.000000	2147.46	1062.06
2	FID	ACIS-I-5	7.22	3335	-0.257	0.028	0.007	0.012	0.000000	0.000000	-1820.77	1060.34
3	GUIDE	455870320	8.41	6668	-0.054	-0.168	0.068	0.111	214.874440	52.401638	-662.66	2123.75
4	GUIDE	505809632	8.05	6666	0.016	-0.038	0.062	0.102	215.499426	53.521185	186.51	-2042.32
5	GUIDE	505812088	8.15	6668	0.112	-0.022	0.074	0.119	214.186617	53.263562	2170.36	163.46
6	GUIDE	505812376	7.58	6668	0.039	0.123	0.053	0.084	214.039537	52.937930	1875.28	1342.15
7	GUIDE	505815928	8.30	6666	-0.111	0.102	0.058	0.094	216.234742	53.074559	-1994.00	-1465.56

2.4 Star Slots

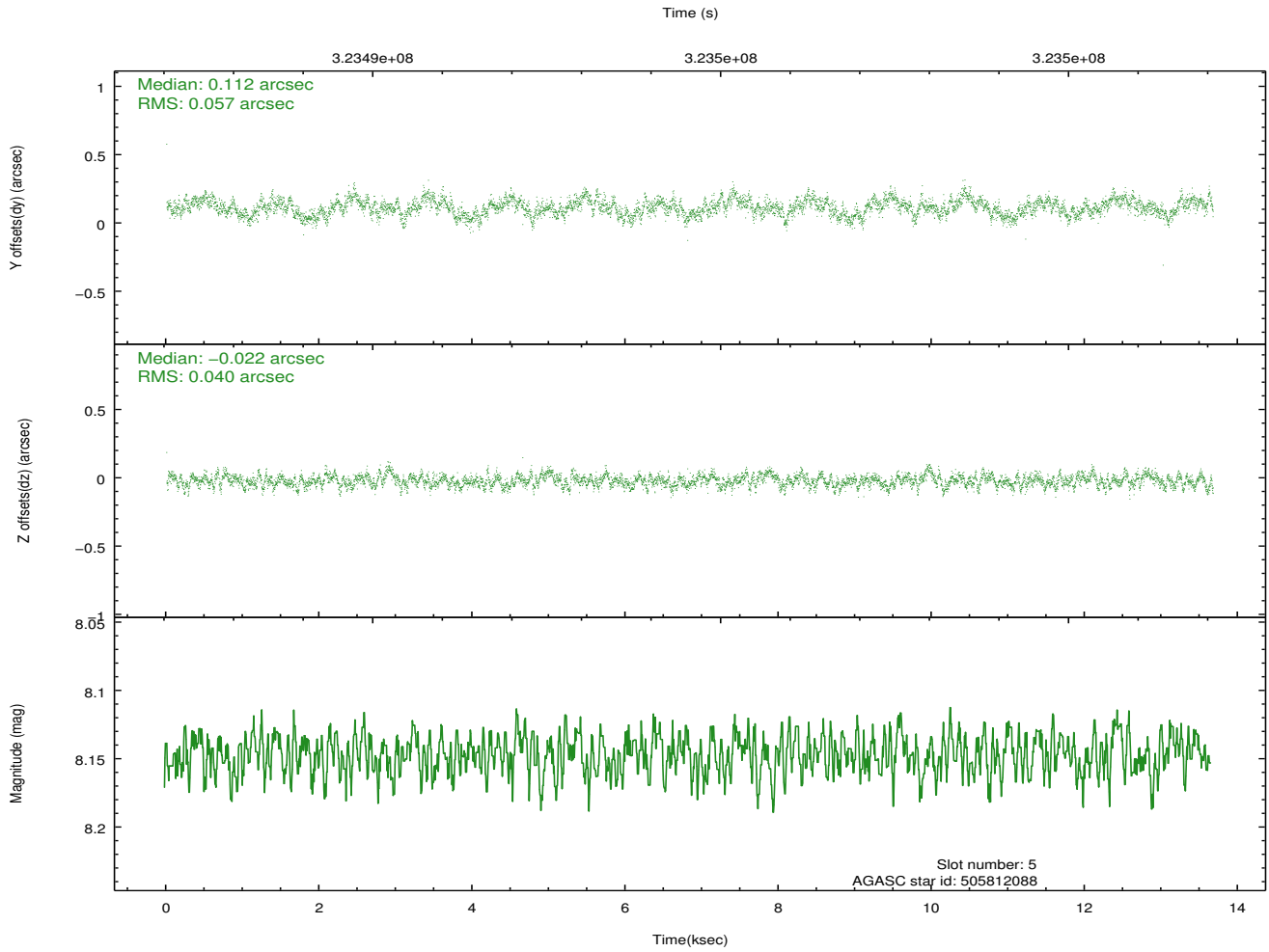
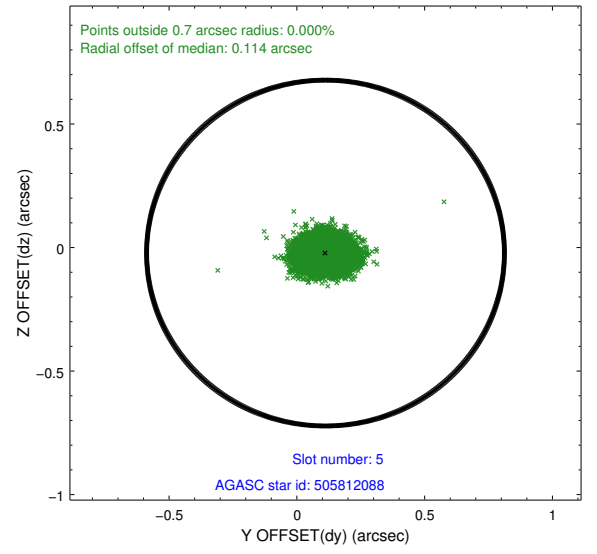
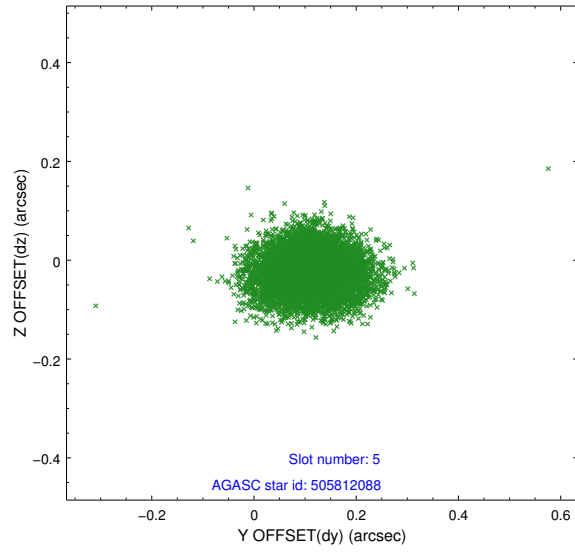
2.4.1 Slot 3



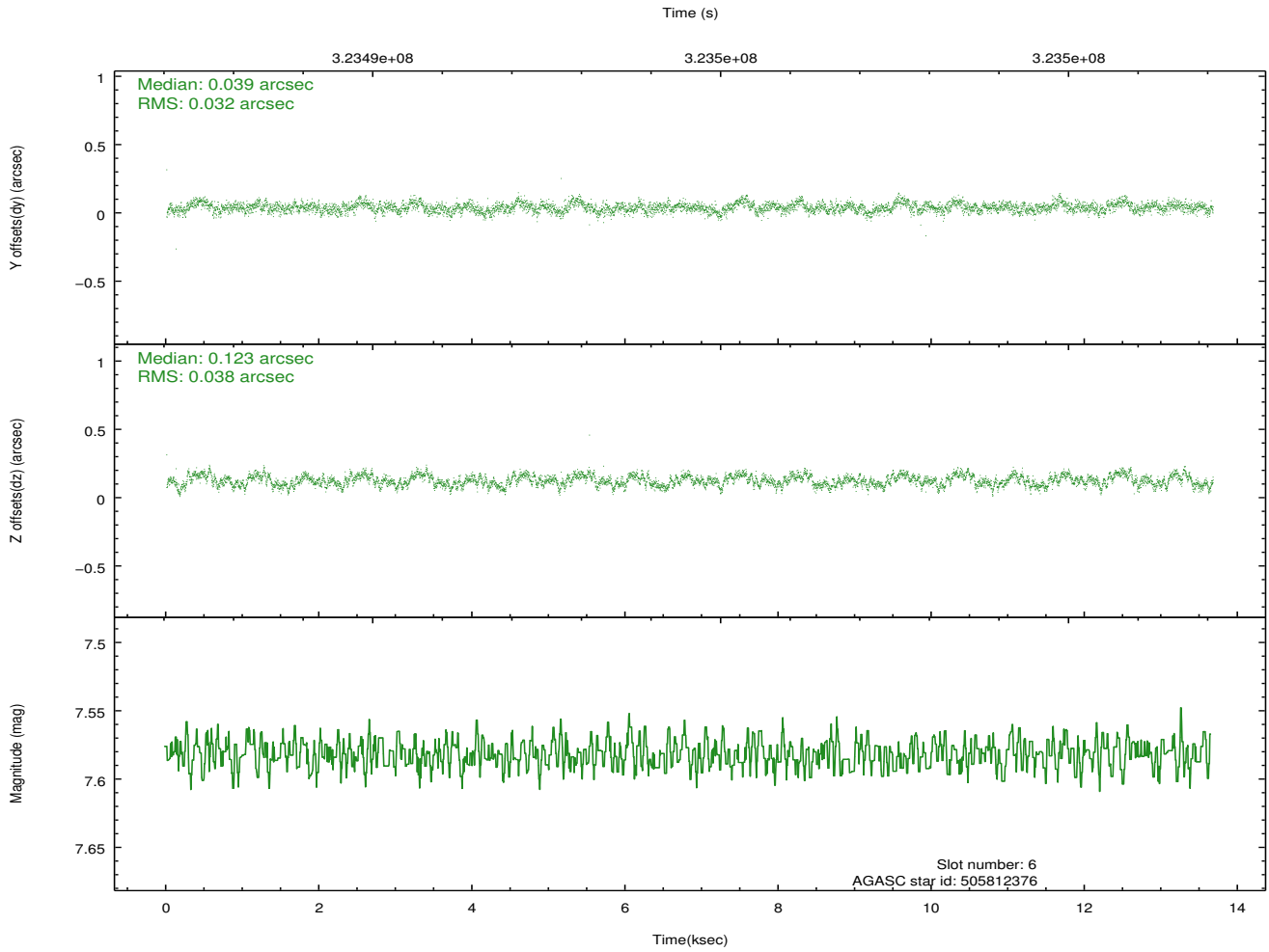
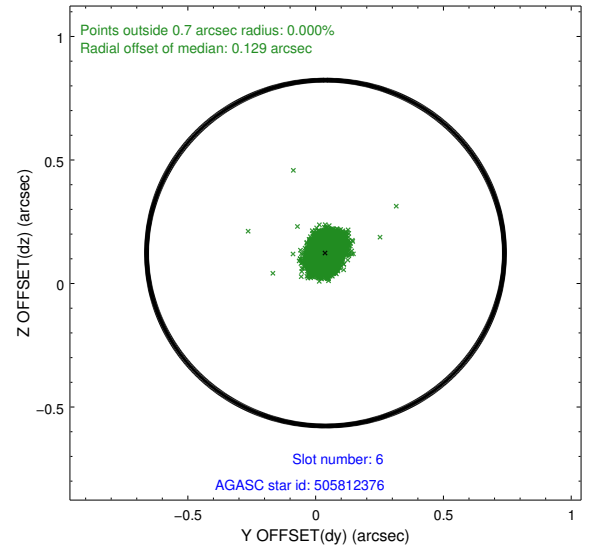
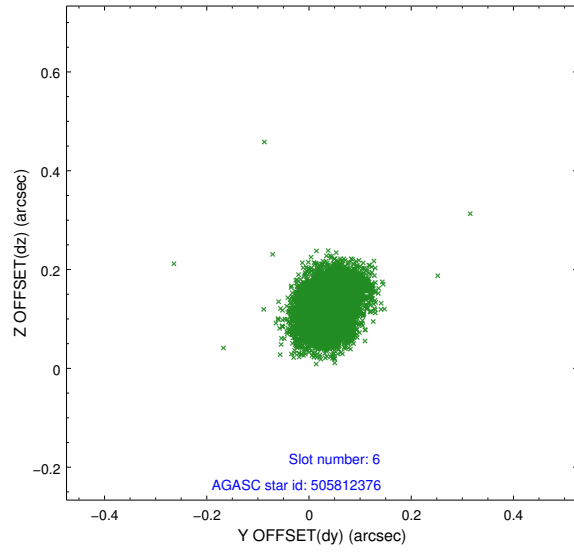
2.4.2 Slot 4



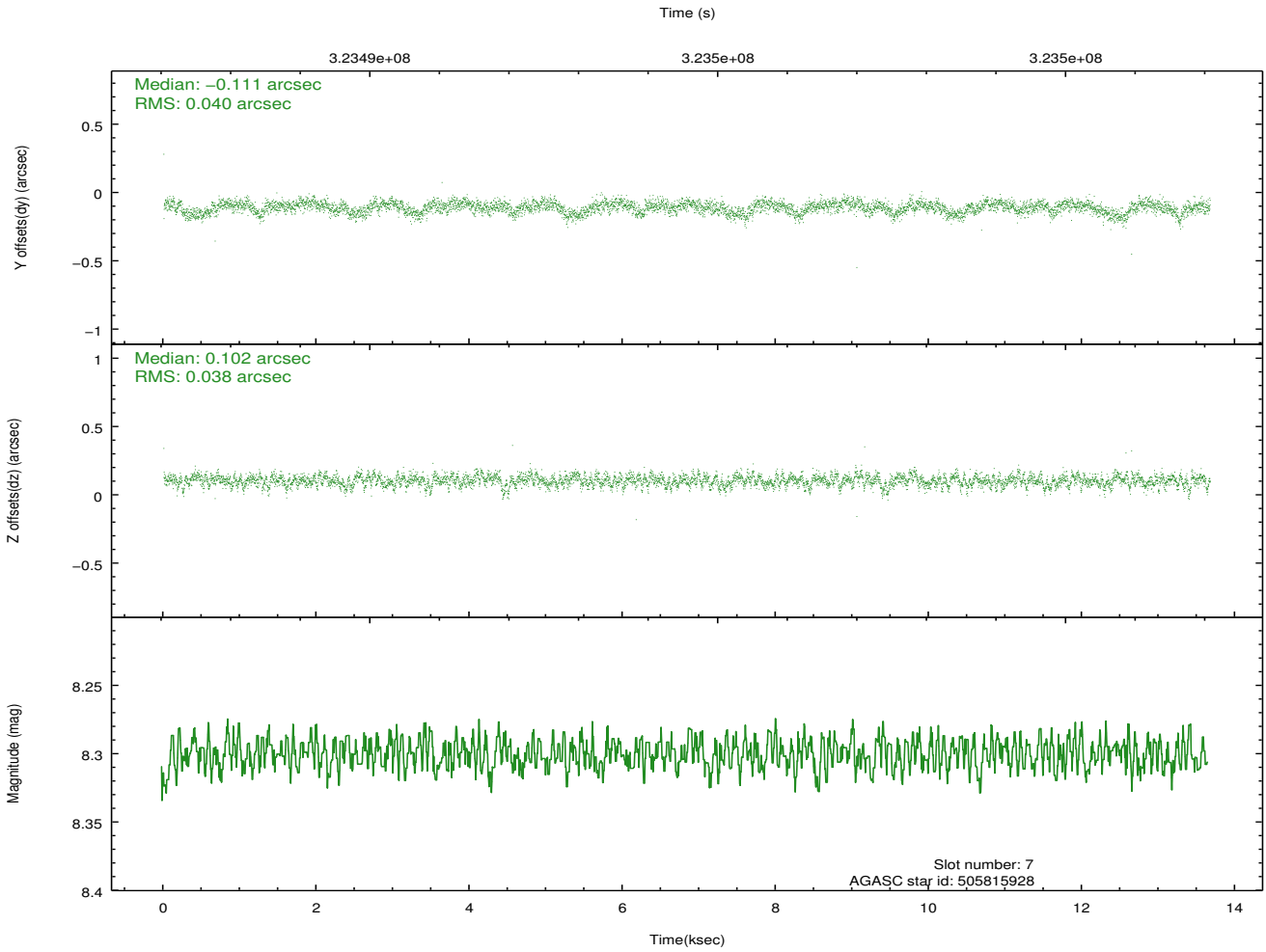
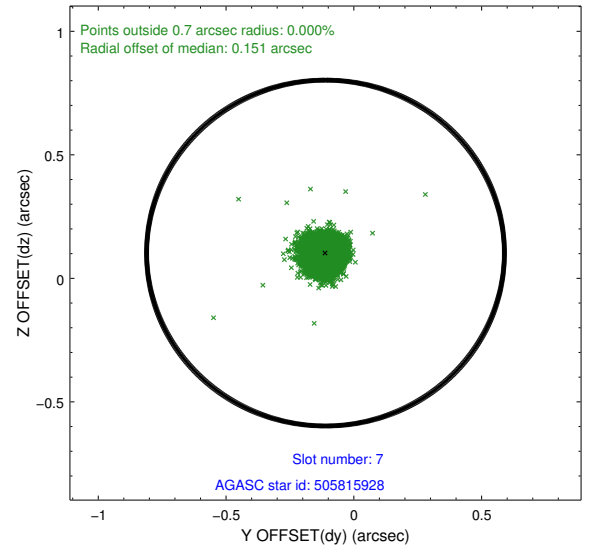
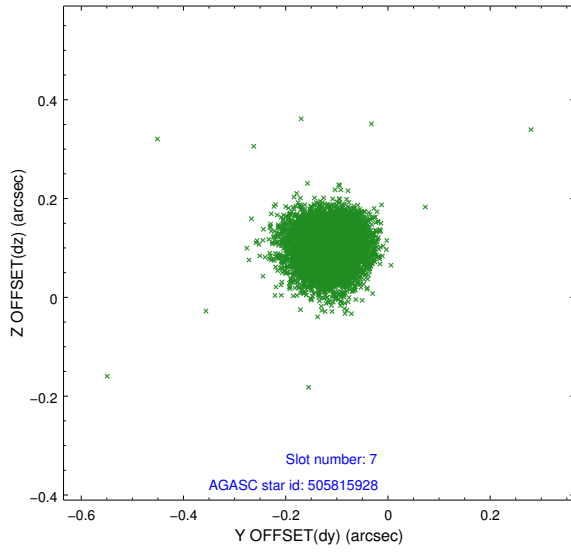
2.4.3 Slot 5



2.4.4 Slot 6

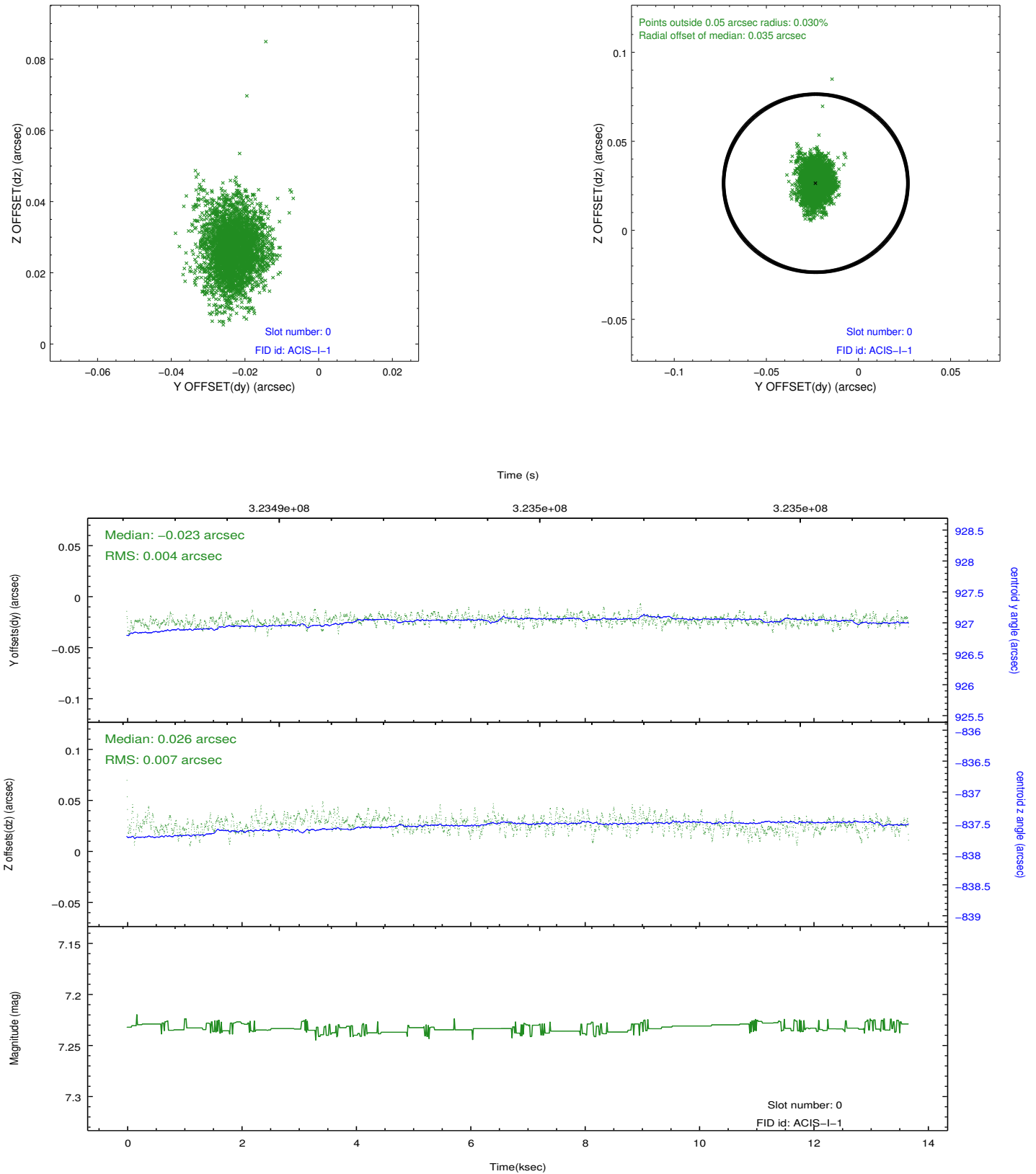


2.4.5 Slot 7

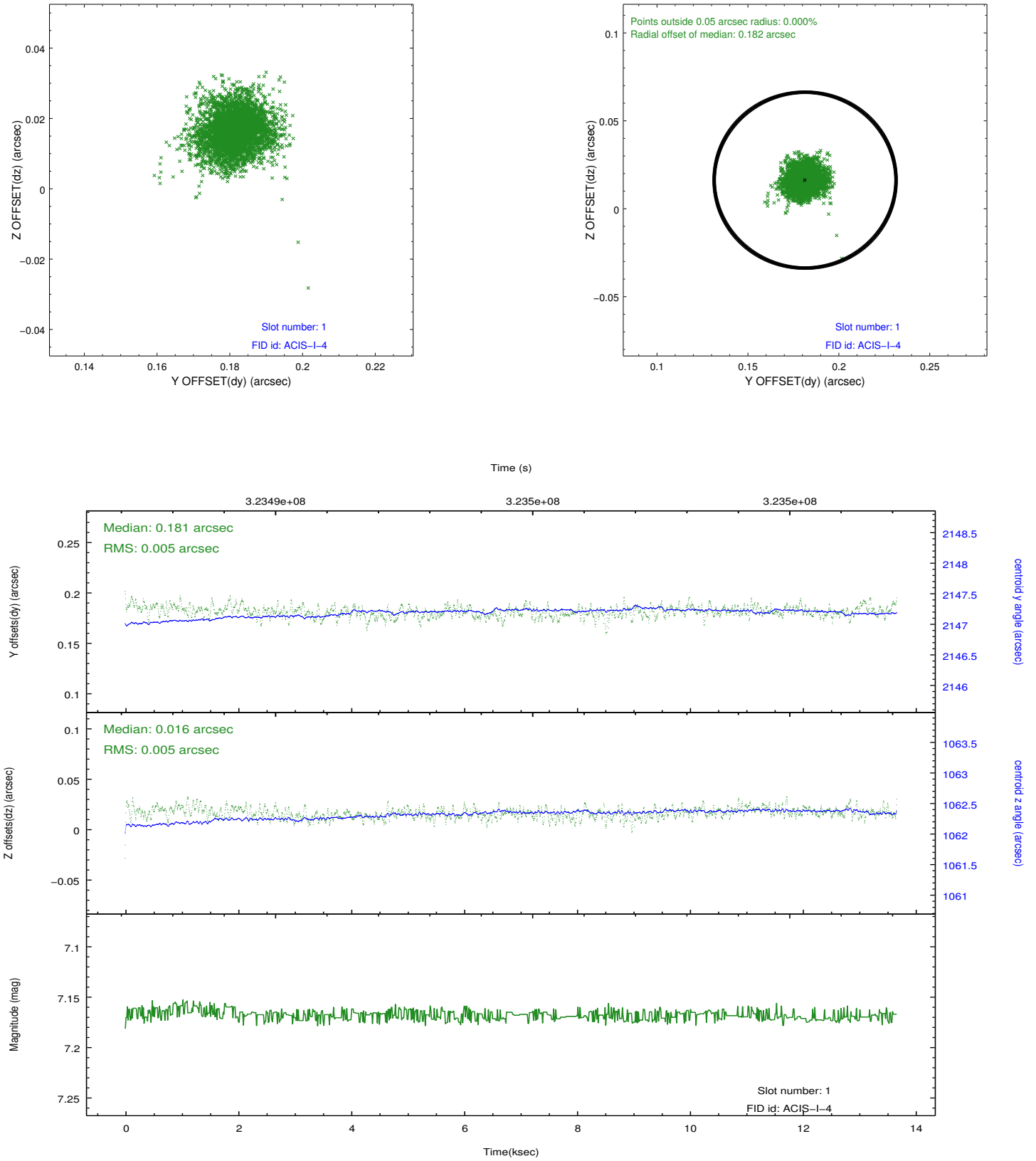


2.5 FID Slots

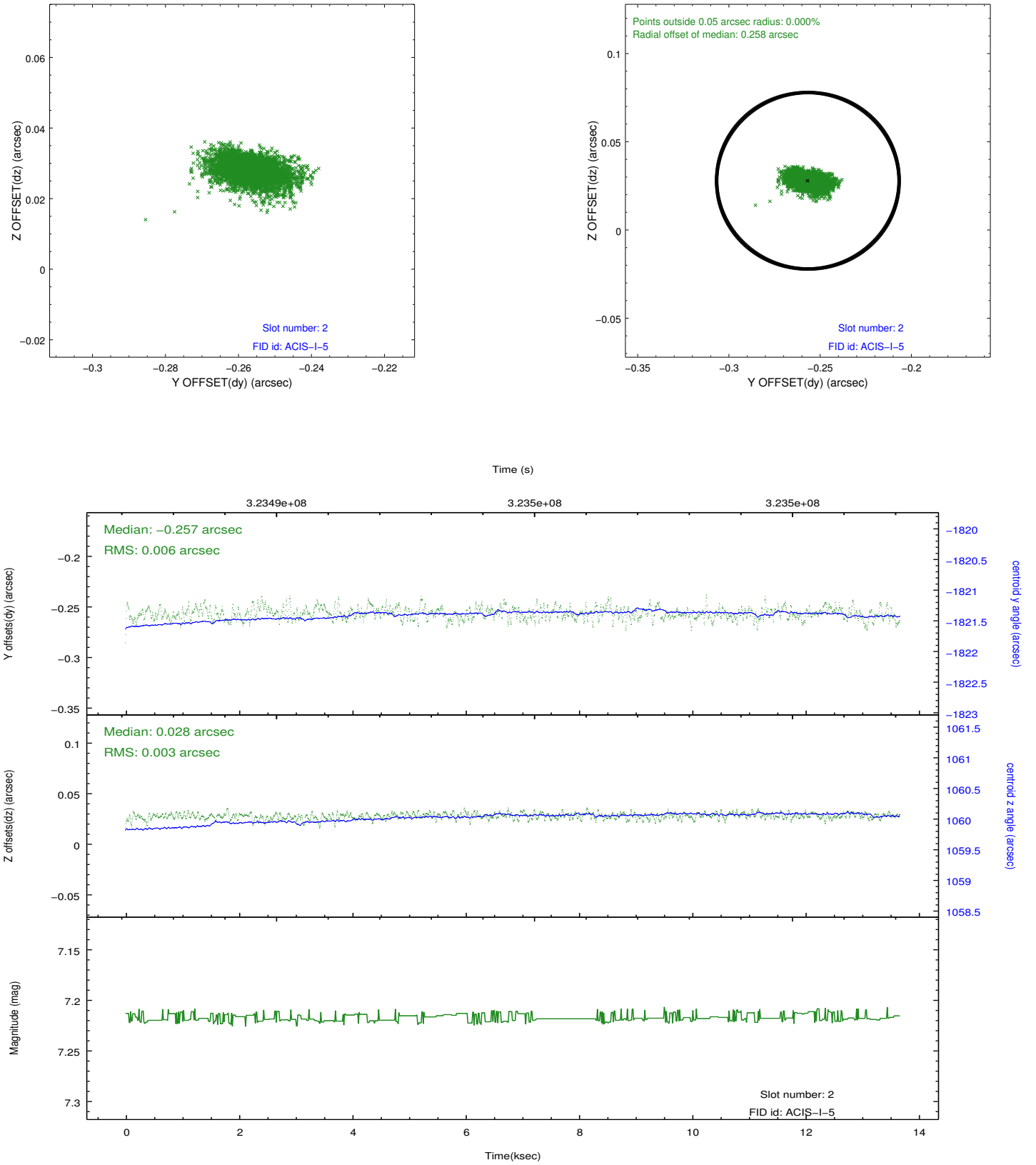
2.5.1 Slot 0



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)	2012.05.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	13.6616591

A.2 Comments

Joint Proposal: Spitzer. Roll constraint violated, expected roll 130 - 150 degrees, actual roll 150.22 degrees. Per CD0: Roll of 150.22 is almost certainly adequate for this survey.