

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9844 - L2 Version 2
Chandra X-Ray Center

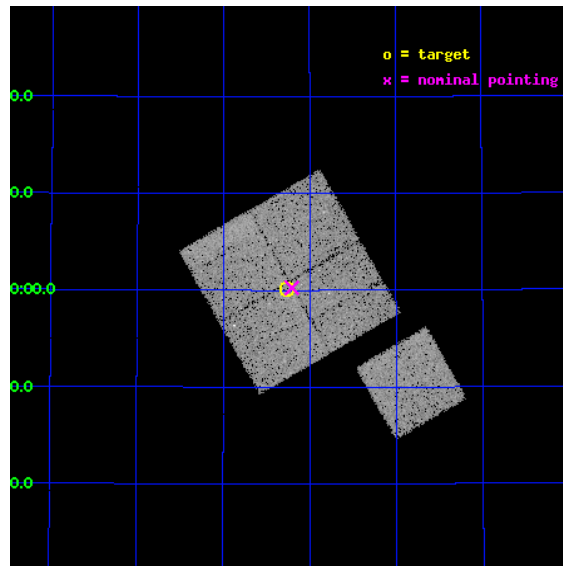
L2 Processing Date : May 12 2012

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1 Front

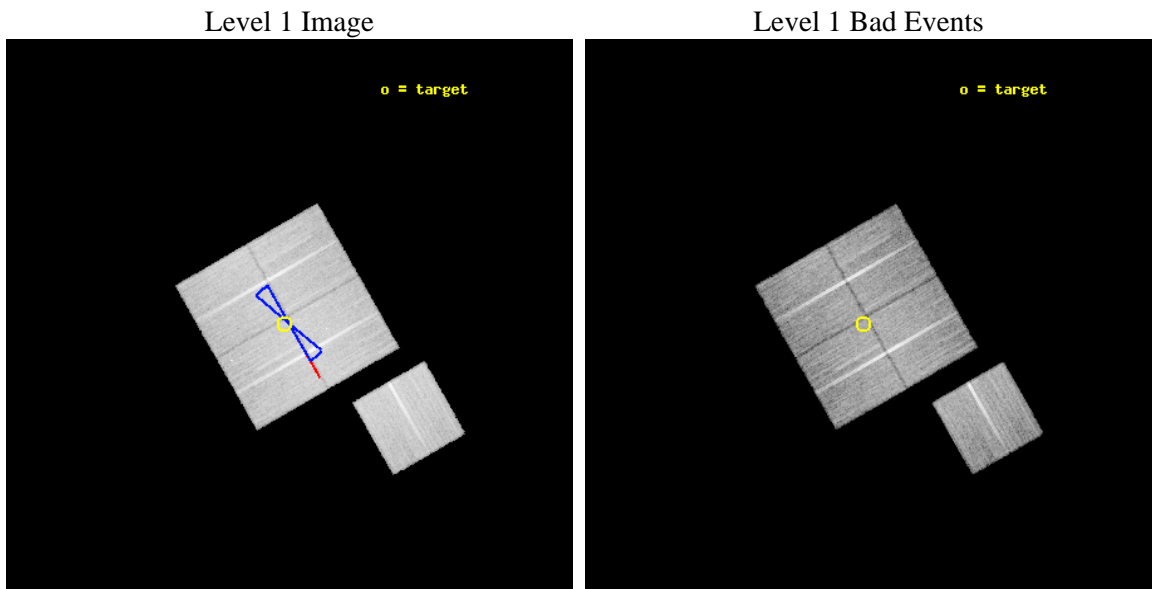
seq_num	900796	Sequence number
obs_id	9844	Observation id
title	The Evolution of Faint AGN at High Redshift	Proposal title
observer	Prof Kirpal Nandra	Principal investigator
object	AEGIS-1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	215.064583	Observer's specified target RA [deg]
dec_targ	53.002694	Observer's specified target Dec [deg]
ra_nom	215.05147050169	Nominal RA [deg]
dec_nom	53.004427357206	Nominal Dec [deg]
roll_nom	150.21915655934	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20041.459173799	Sum of GTIs [s]
livetime	19779.602755385	Livetime [s]
ontime0	20044.600154161	Sum of GTIs [s]
ontime1	20041.459163904	Sum of GTIs [s]
ontime2	20044.600154161	Sum of GTIs [s]
ontime3	20041.459173799	Sum of GTIs [s]
ontime6	20044.600154161	Sum of GTIs [s]
l2events	66756	Number of level 2 events



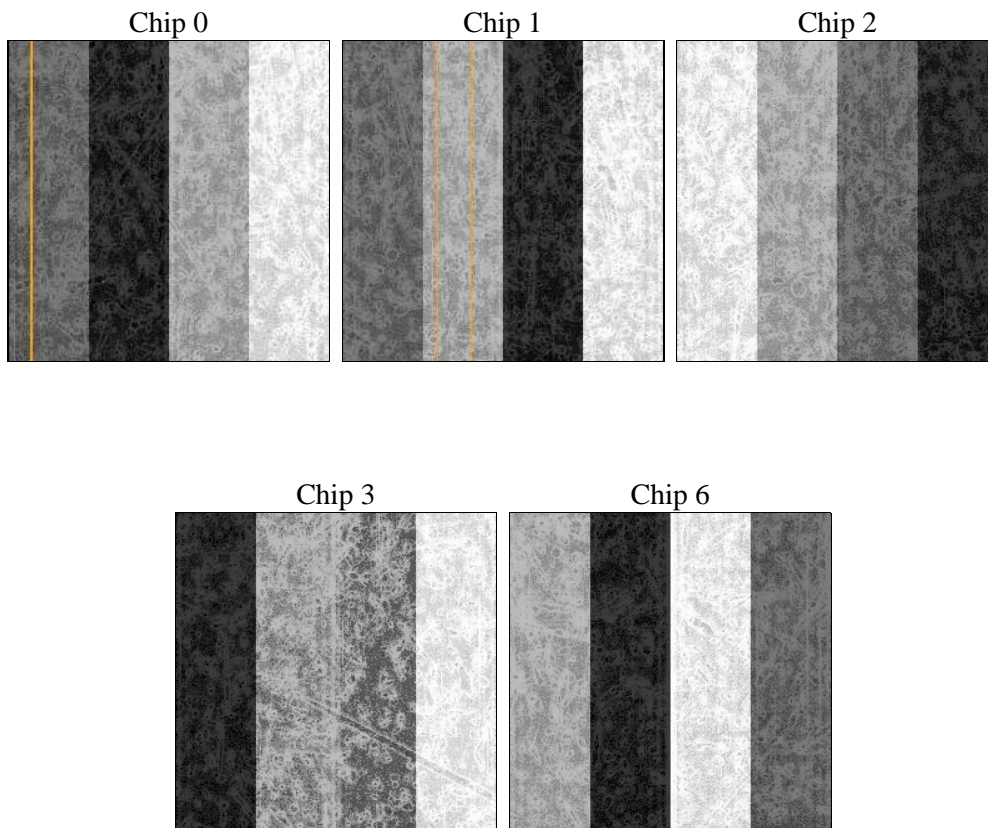
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	20041.459173799	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	20044.600154161	Sum of GTIs [s]
date	2012-05-12T13:40:02	Date and time of file creation	ontime1	20041.459163904	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	20044.600154161	Sum of GTIs [s]
			ontime3	20041.459173799	Sum of GTIs [s]
			ontime6	20044.600154161	Sum of GTIs [s]
			l1events	775784	Number of level 1 events

2.1.4 Events

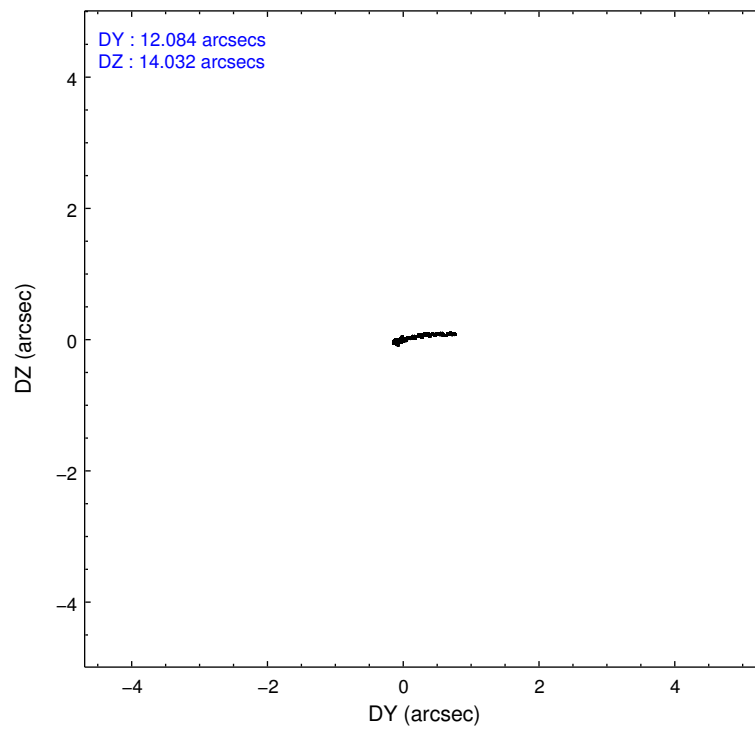
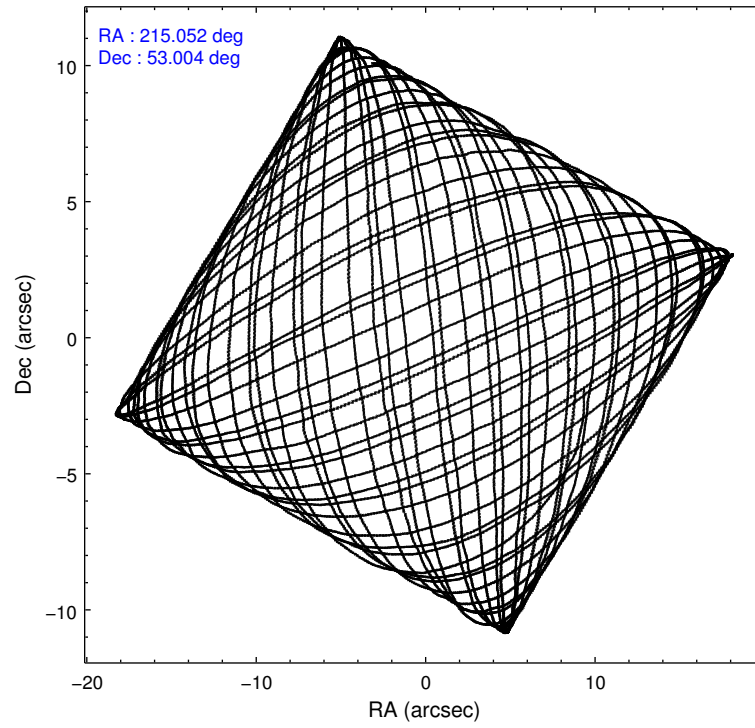
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	144408	147939	165381	156684	161372
rejected events	128498	130300	149694	141692	145275
rejected %	88%	88%	90%	90%	90%

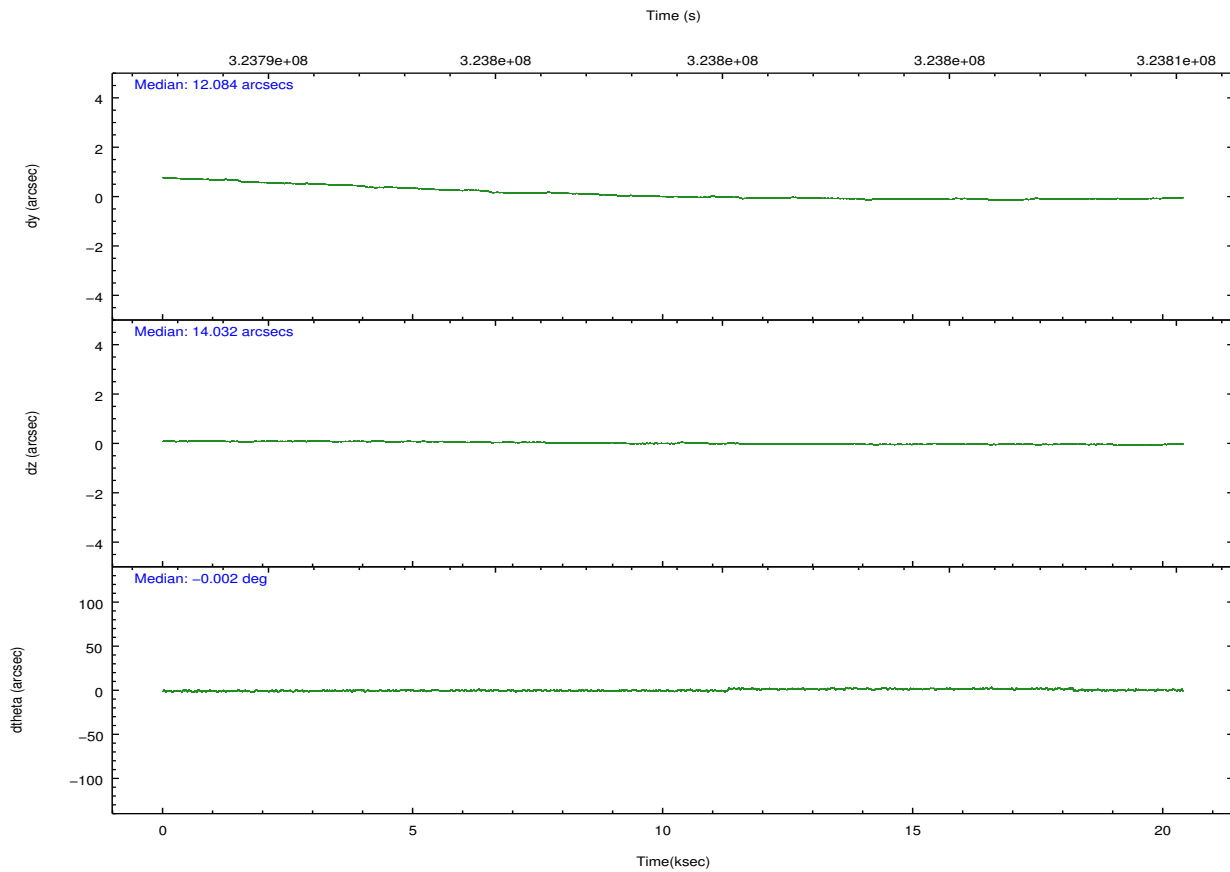
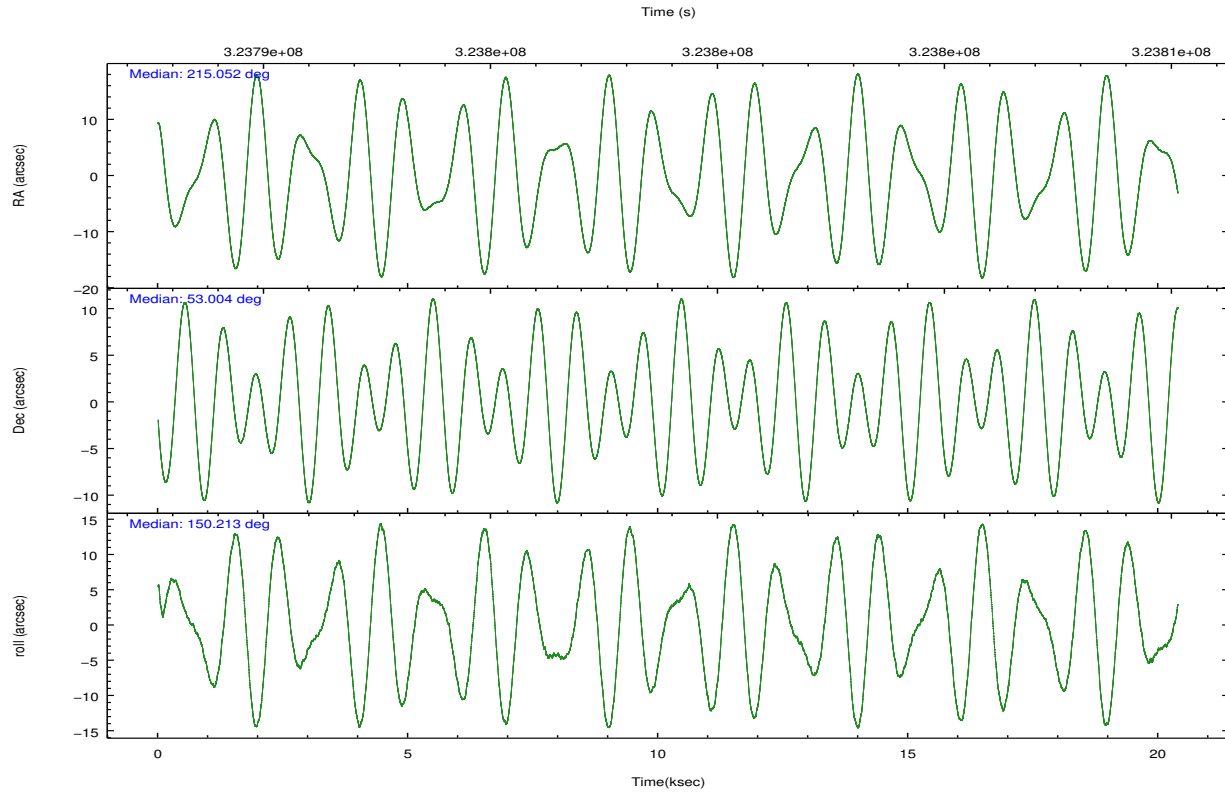
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	5610	6404	5674	5287	5485
	3%	4%	3%	3%	3%
grade 1 events	70	87	89	83	86
	0%	0%	0%	0%	0%
grade 2 events	3769	3990	3769	3290	3542
	2%	2%	2%	2%	2%
grade 3 events	1825	1884	1634	1658	1739
	1%	1%	0%	1%	1%
grade 4 events	1670	1857	1676	1707	1719
	1%	1%	1%	1%	1%
grade 5 events	5699	6171	5405	6524	6390
	3%	4%	3%	4%	3%
grade 6 events	3040	3506	2936	3050	3621
	2%	2%	1%	1%	2%
grade 7 events	122725	124040	144198	135085	138790
	84%	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	215.0514705016917	CCD I2 on	Y	Y
[deg] Pointing Dec	53.004646	53.00442735720606	CCD I3 on	Y	Y
[deg] Pointing Roll	149.973978	150.2191565593352	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)	323789109.184000	323788074.15367	Subarray requested	NONE	NONE
Observation start date	2008-04-05T13:24:04	2008-04-05T13:07:54	Alternating exposures requested	N	N
[s] Observation end time (MET)	323809109.184000	323809707.80472	[s] Primary exposure time	0.000000	3.1
Observation end date	2008-04-05T18:57:24	2008-04-05T19:08:27			
Read mode	TIMED	TIMED			

2.3 Aspect



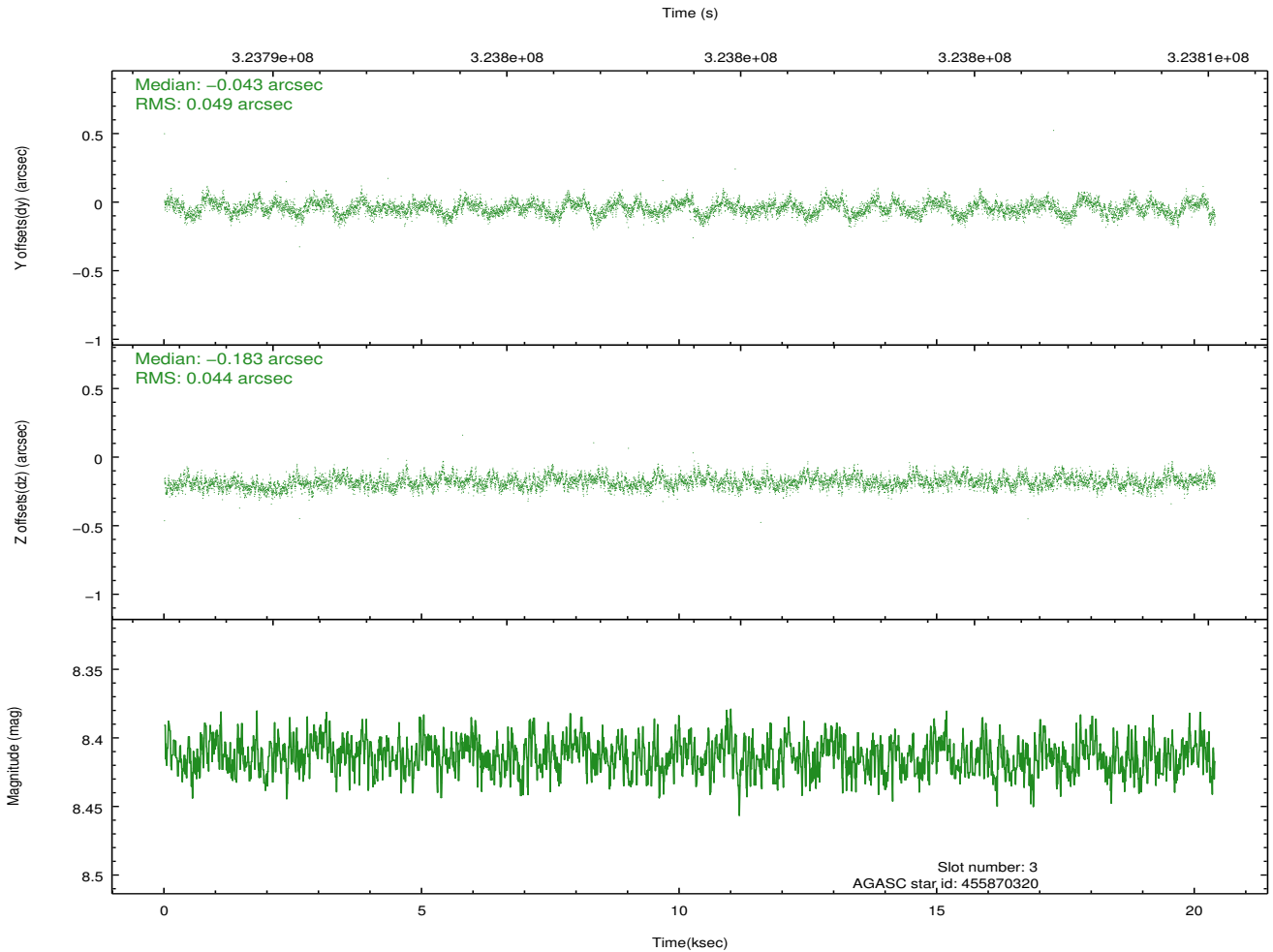
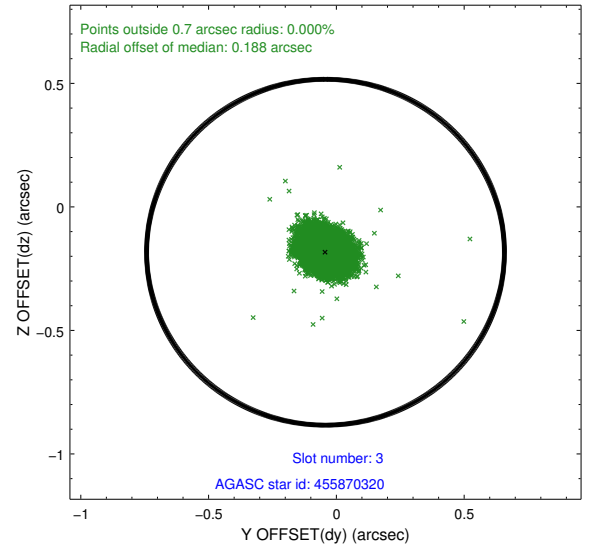
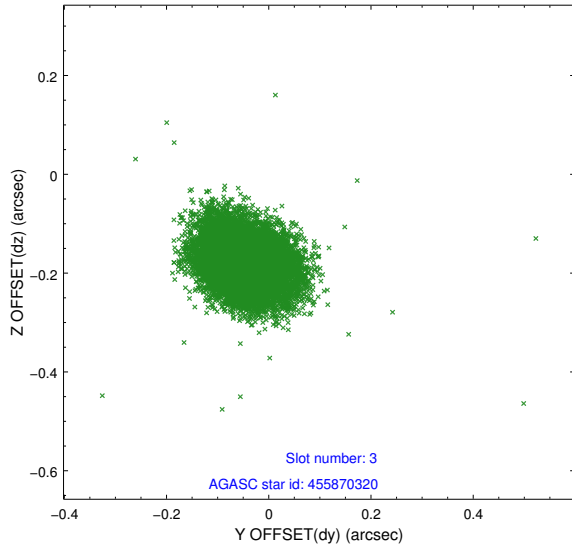


Slot Statistics

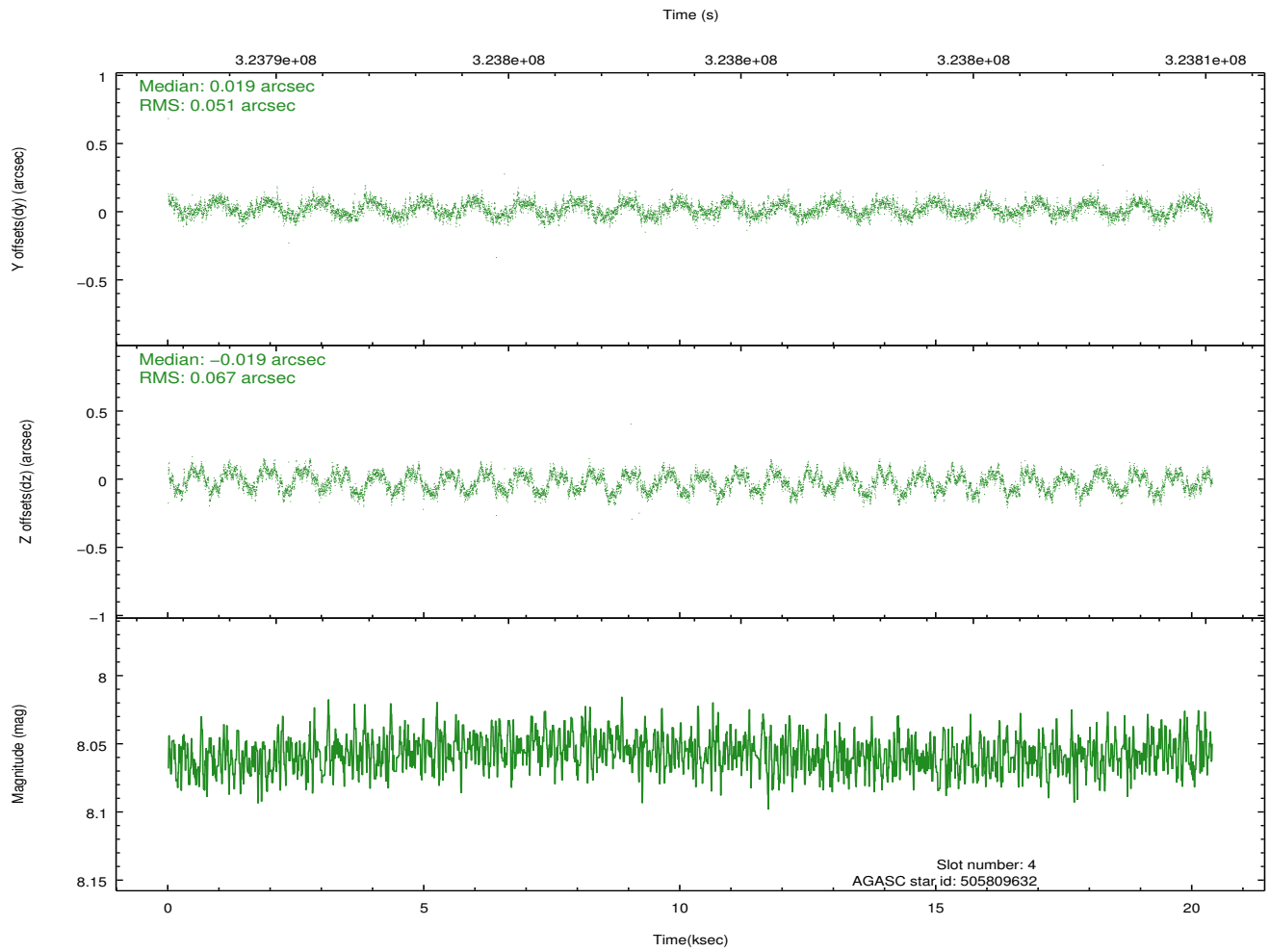
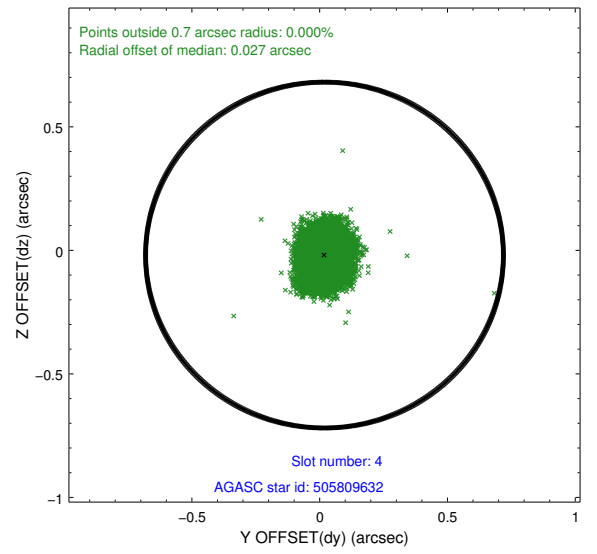
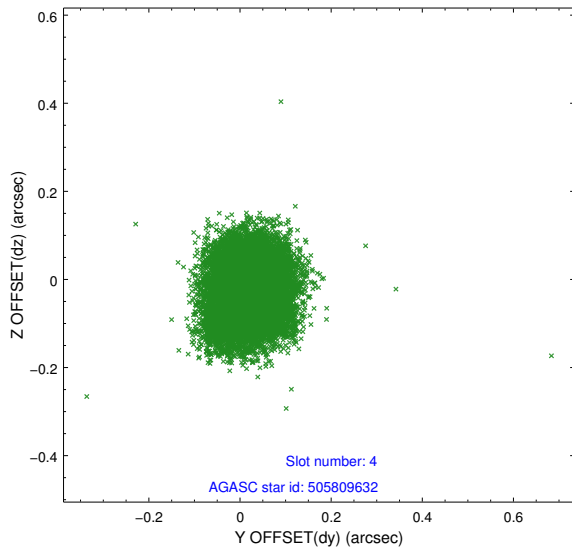
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.22	4974	-0.020	0.040	0.014	0.022	0.000000	0.000000	927.30	-837.58
1	FID	ACIS-I-4	7.17	4973	0.171	0.007	0.015	0.021	0.000000	0.000000	2147.65	1062.09
2	FID	ACIS-I-5	7.22	4973	-0.250	0.025	0.009	0.016	0.000000	0.000000	-1820.69	1060.19
3	GUIDE	455870320	8.41	9943	-0.043	-0.183	0.069	0.113	214.874440	52.401638	-662.47	2123.61
4	GUIDE	505809632	8.06	9944	0.019	-0.019	0.091	0.134	215.499426	53.521185	186.73	-2042.54
5	GUIDE	505812088	8.15	9945	0.093	-0.024	0.077	0.126	214.186617	53.263562	2170.52	163.43
6	GUIDE	505812376	7.59	9947	0.018	0.113	0.060	0.093	214.039537	52.937930	1875.33	1342.01
7	GUIDE	505815928	8.32	9944	-0.087	0.118	0.058	0.095	216.234742	53.074559	-1993.88	-1465.74

2.4 Star Slots

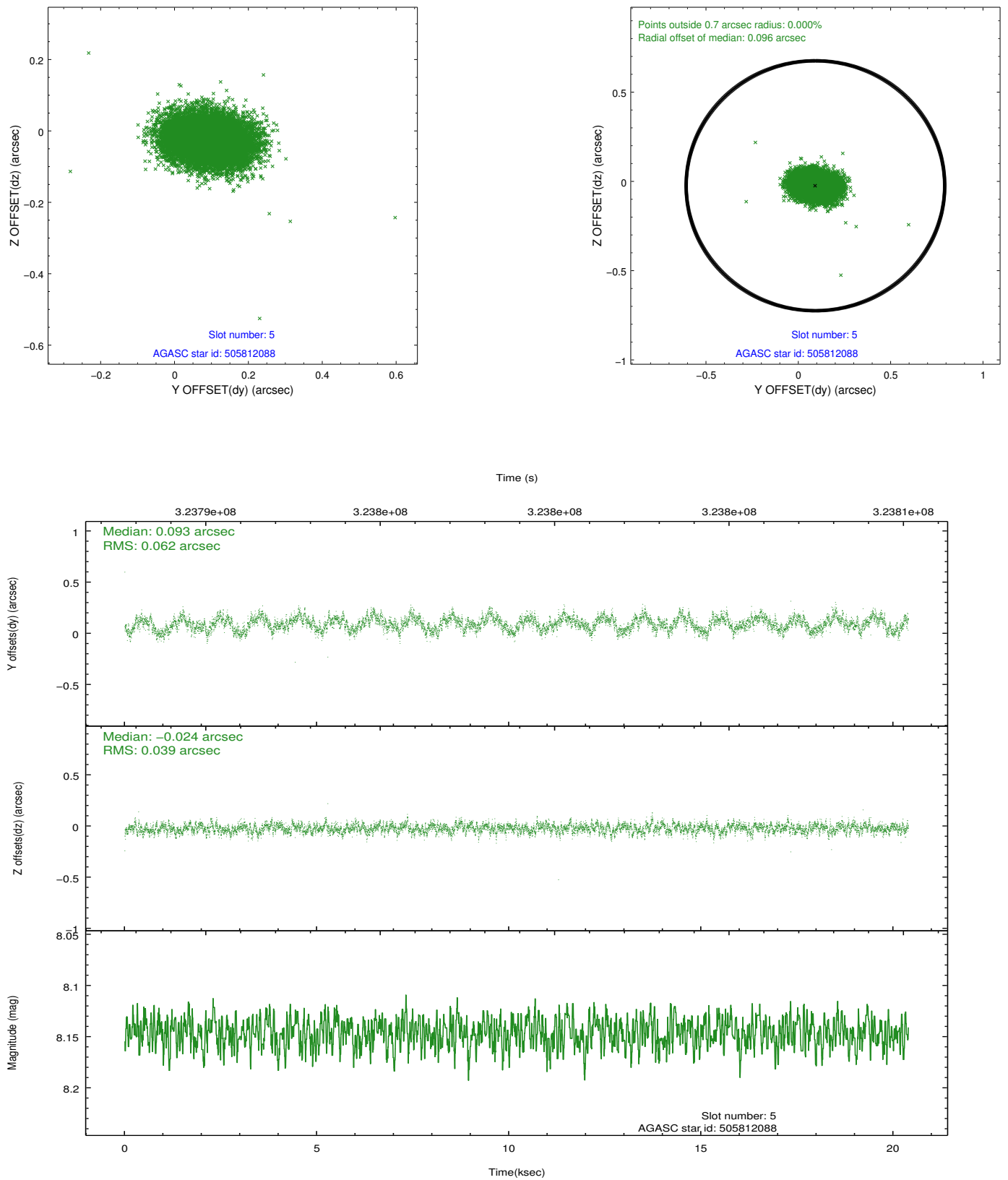
2.4.1 Slot 3



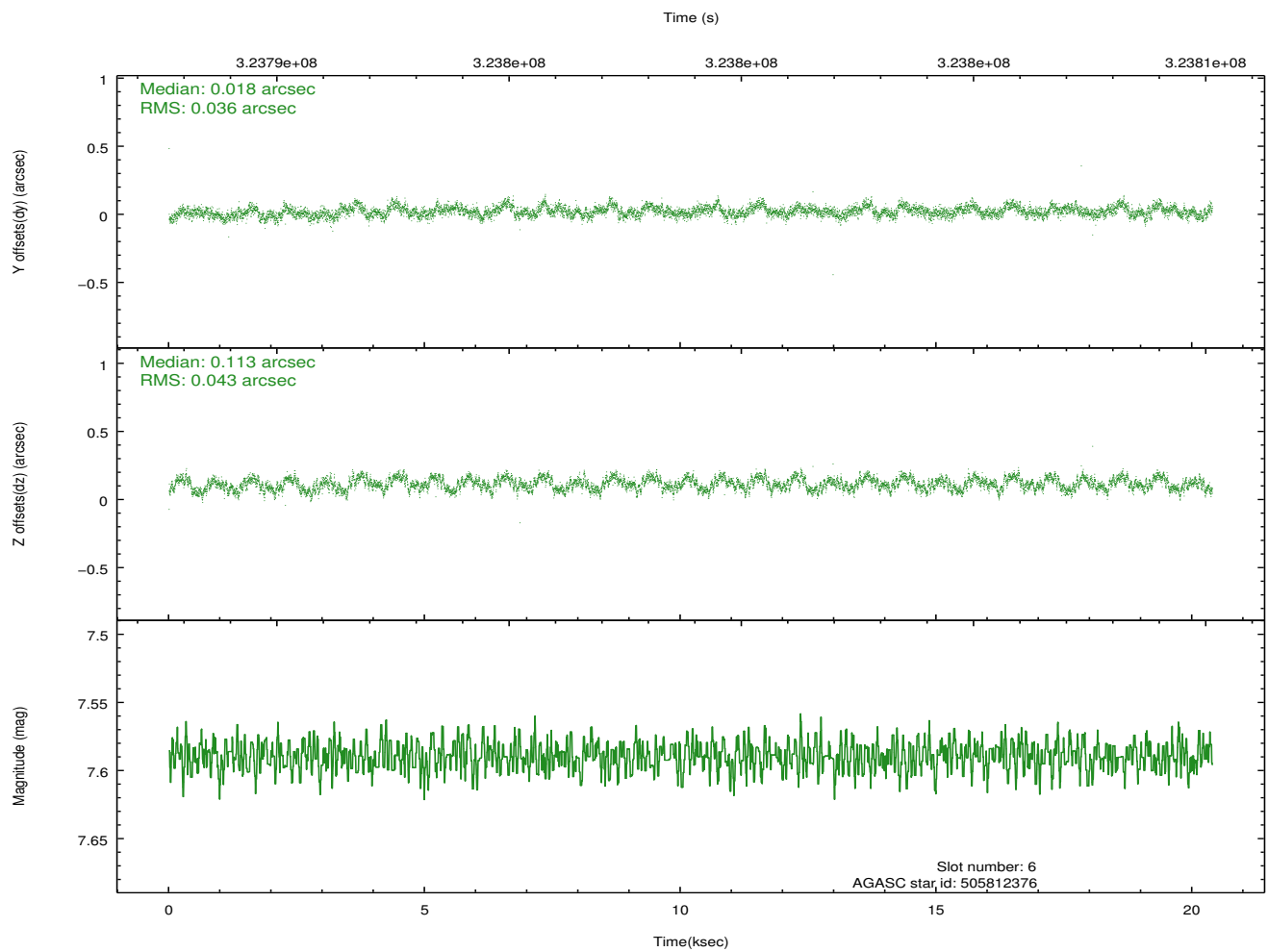
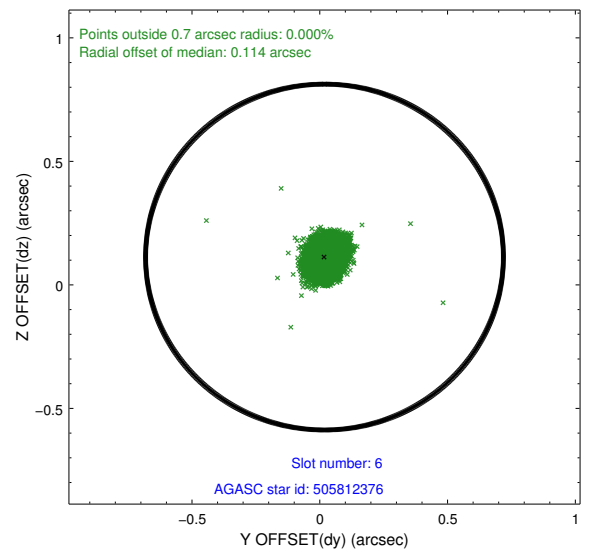
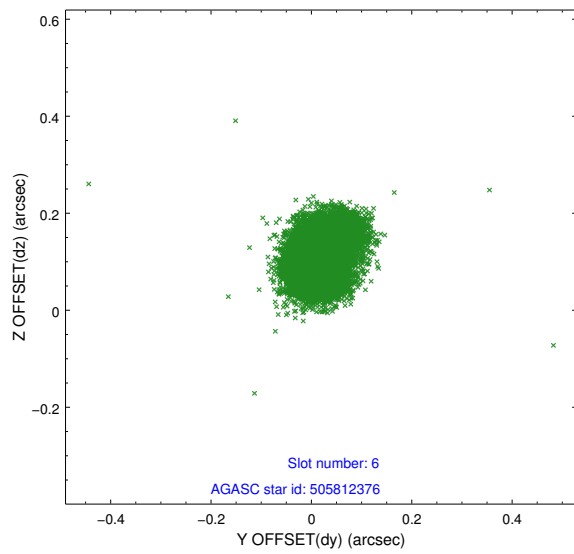
2.4.2 Slot 4



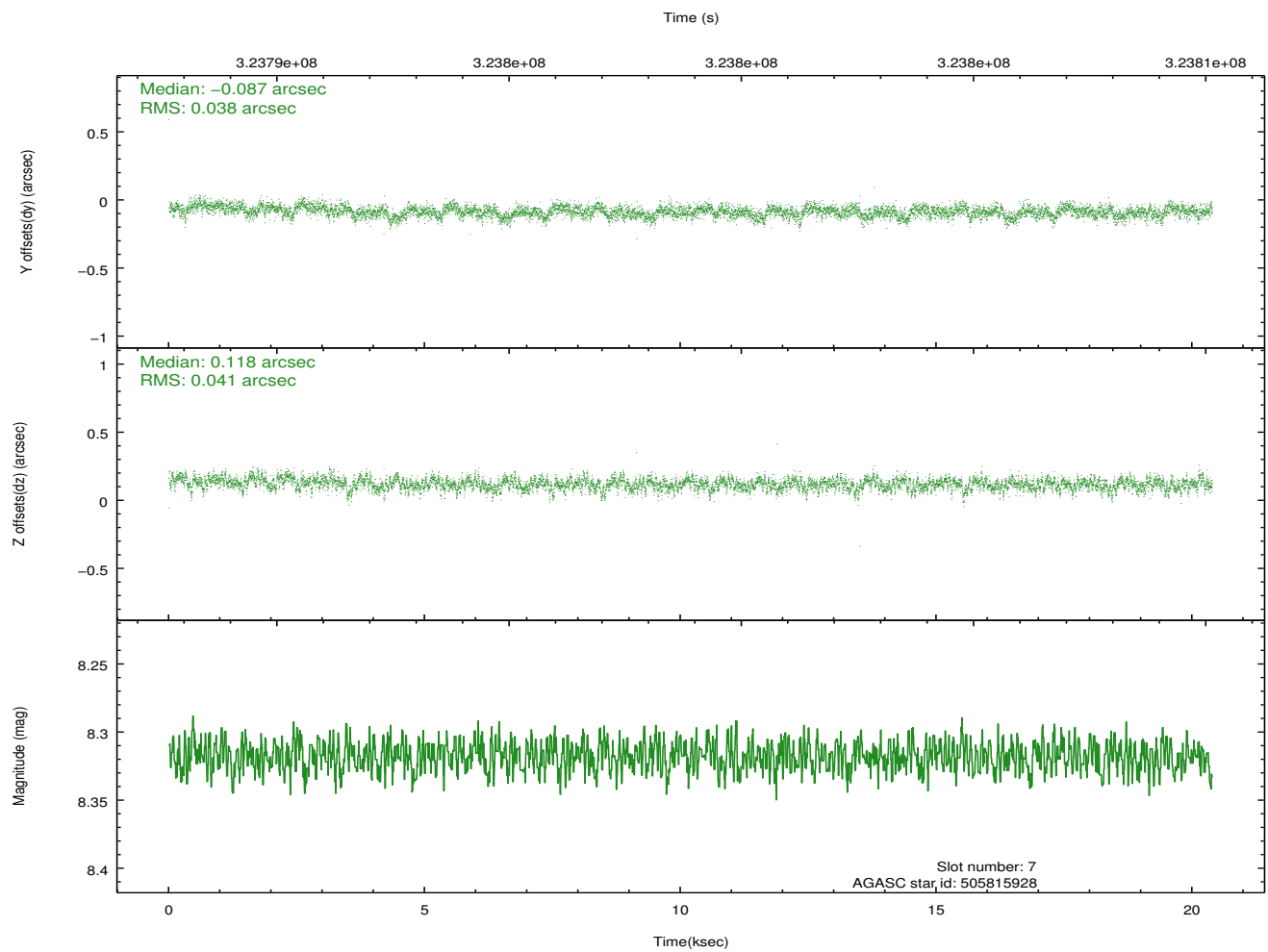
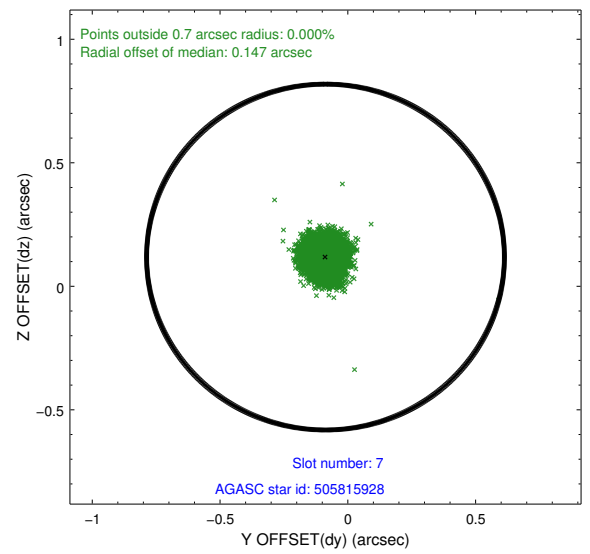
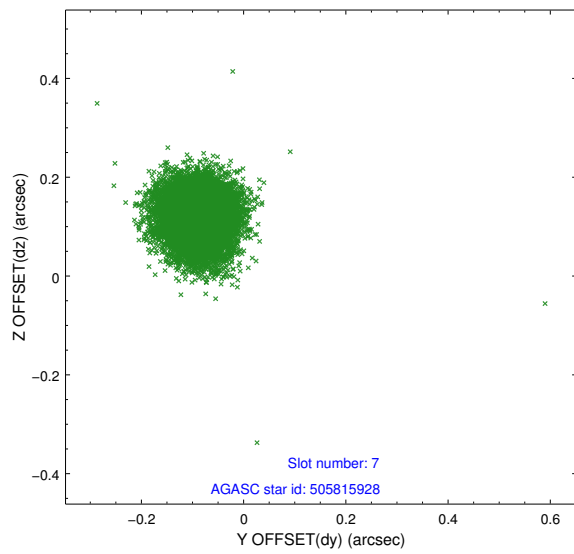
2.4.3 Slot 5



2.4.4 Slot 6

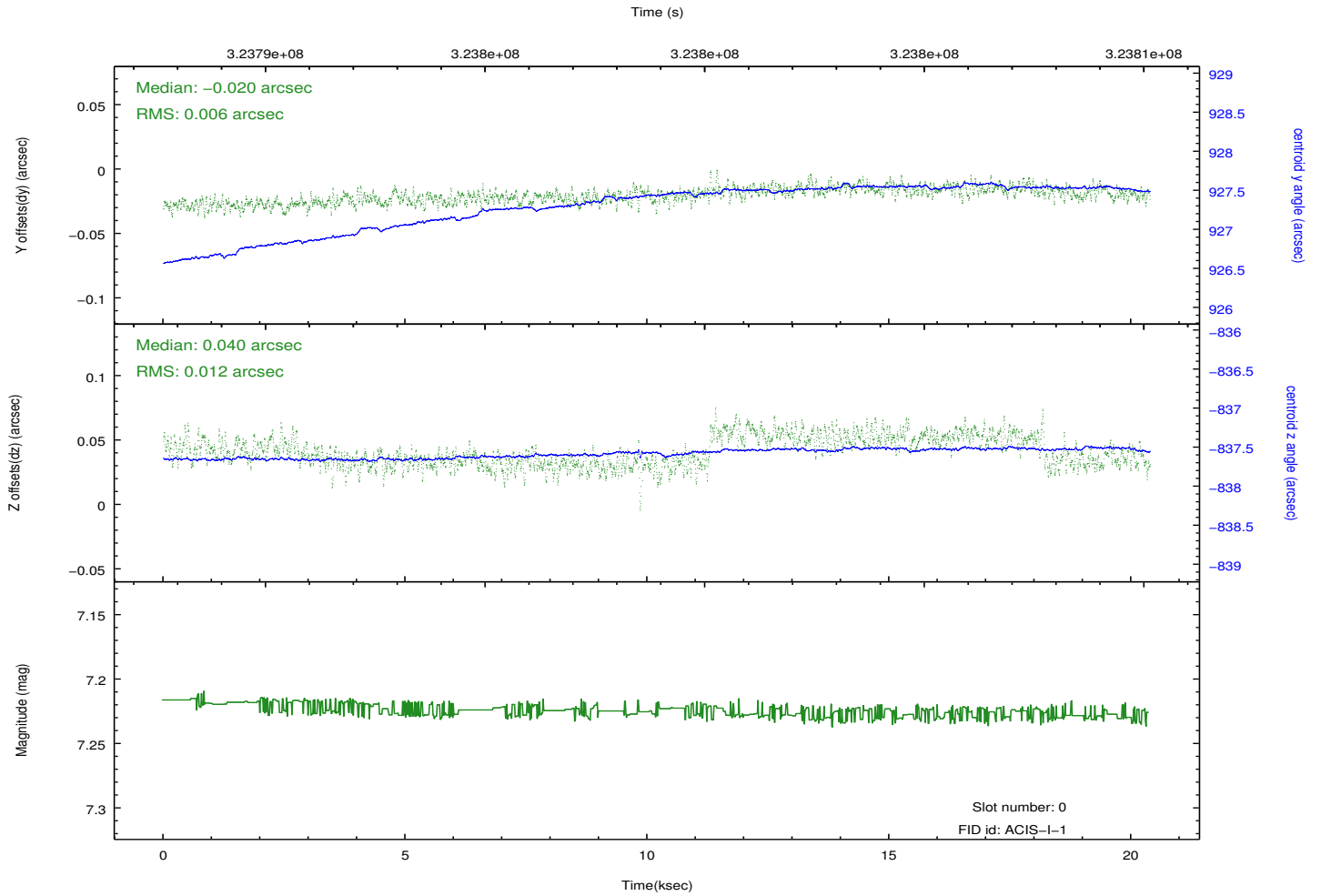
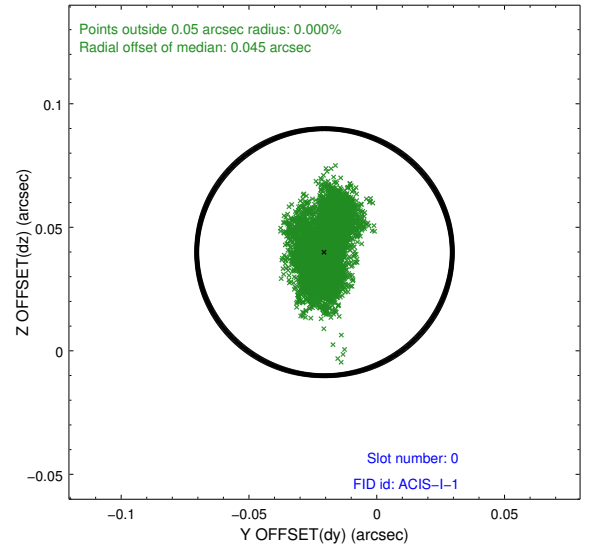
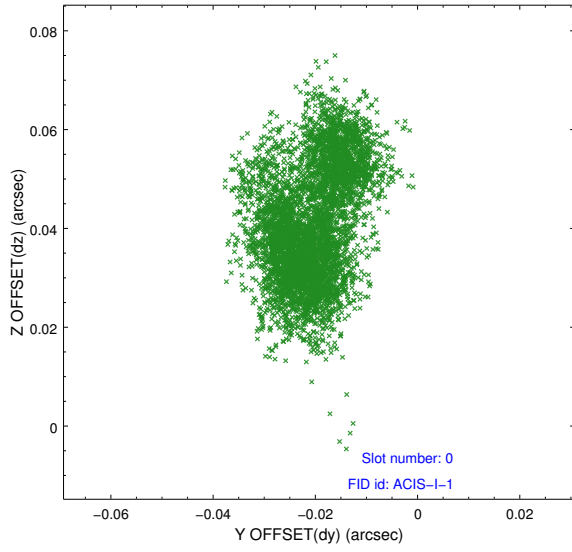


2.4.5 Slot 7

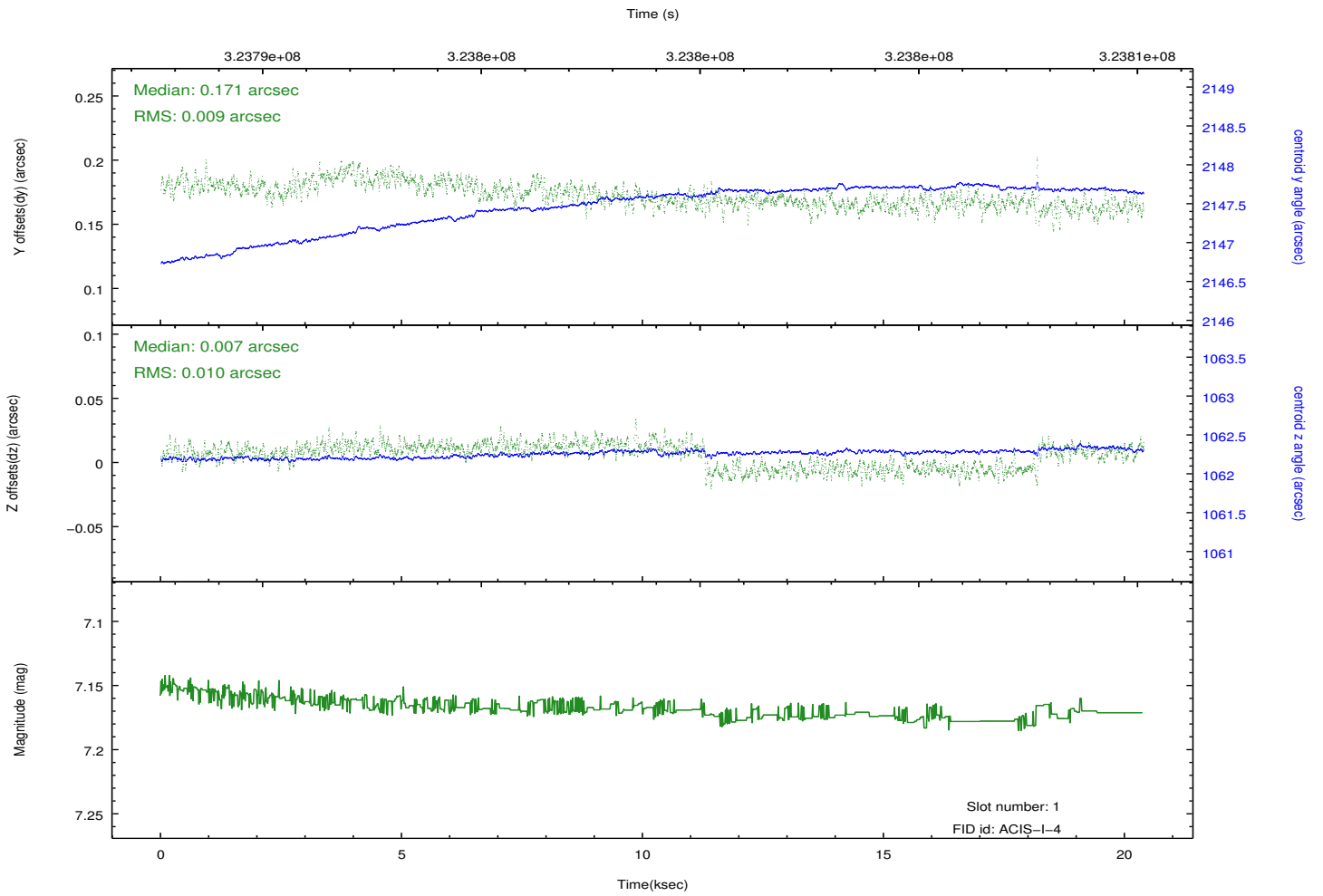
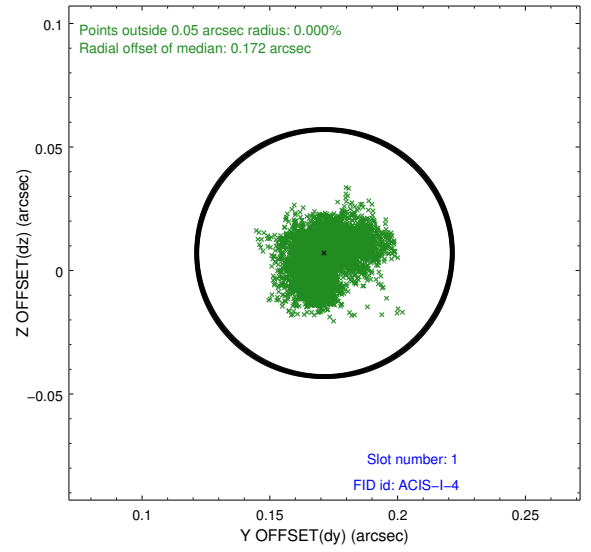
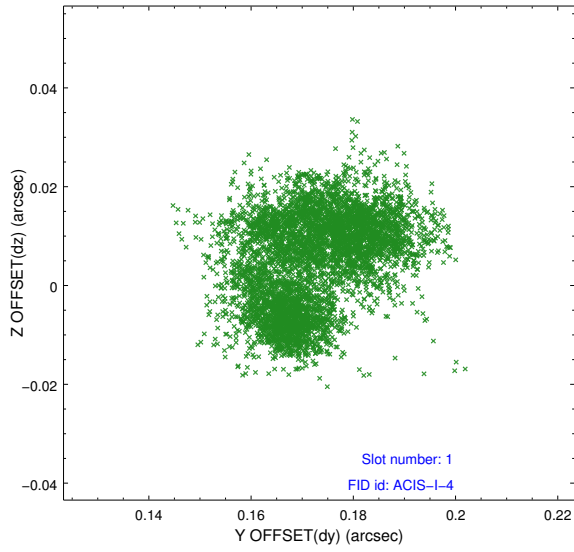


2.5 FID Slots

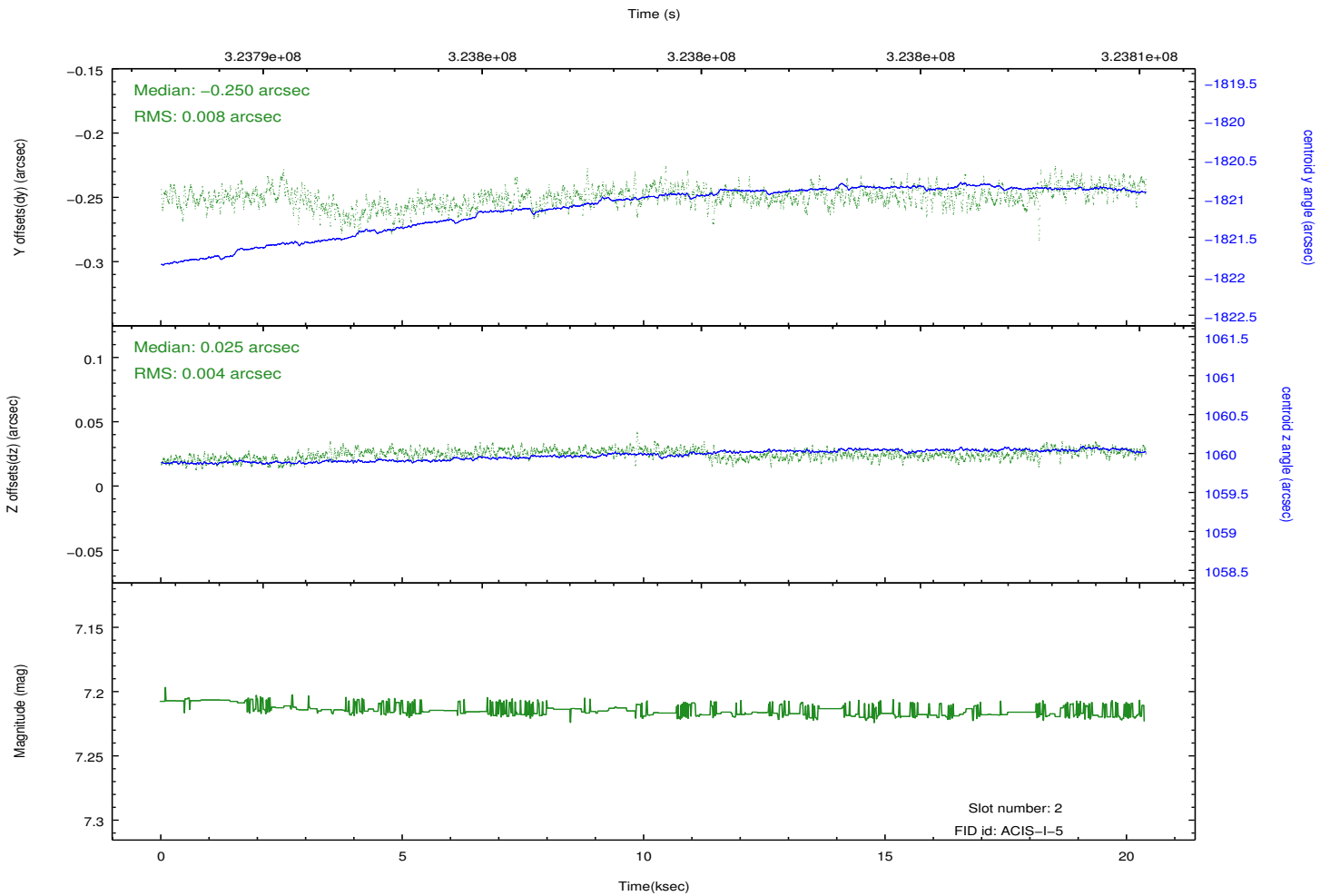
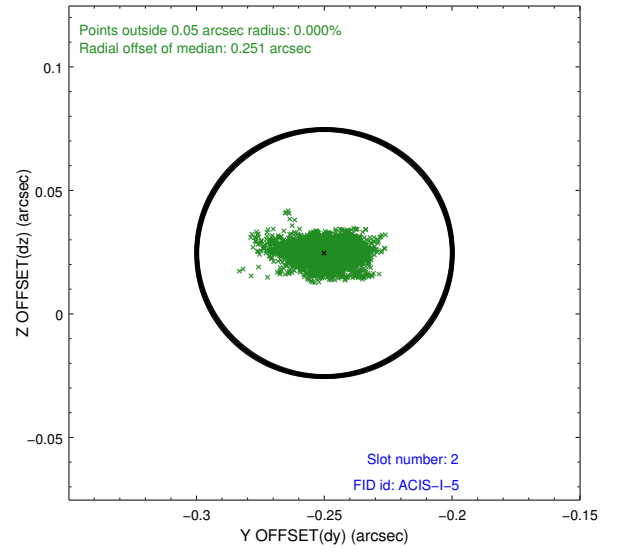
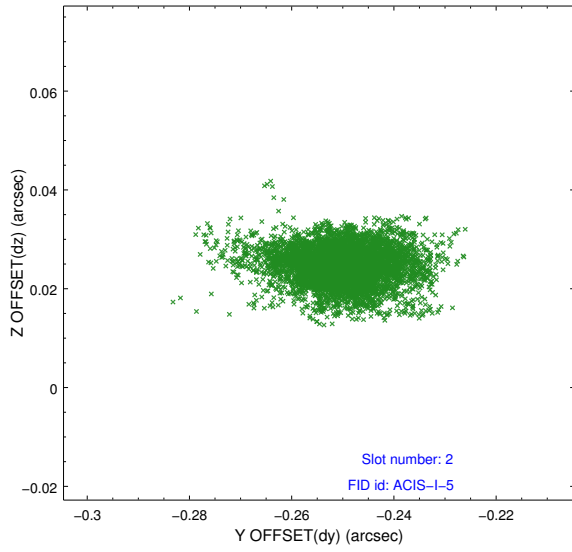
2.5.1 Slot 0



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	20.0414591

A.2 Comments

Joint Proposal: Spitzer. Roll constraint not met. Expected roll: 130 - 150 degrees. Actual roll 150.22 degrees. Per CDO review: The actual roll of 150.22 is very close to the requested value; in the event there are unacceptable gaps in survey coverage the PI can request a re-observation.