

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9460 - L2 Version 2
Chandra X-Ray Center

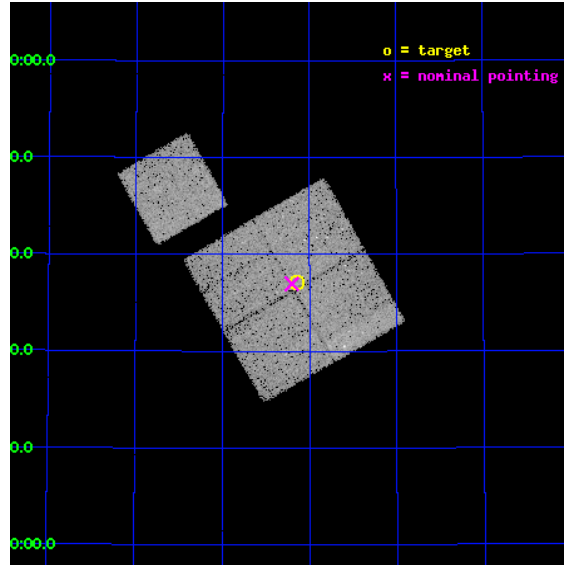
L2 Processing Date : May 22 2012

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1 Front

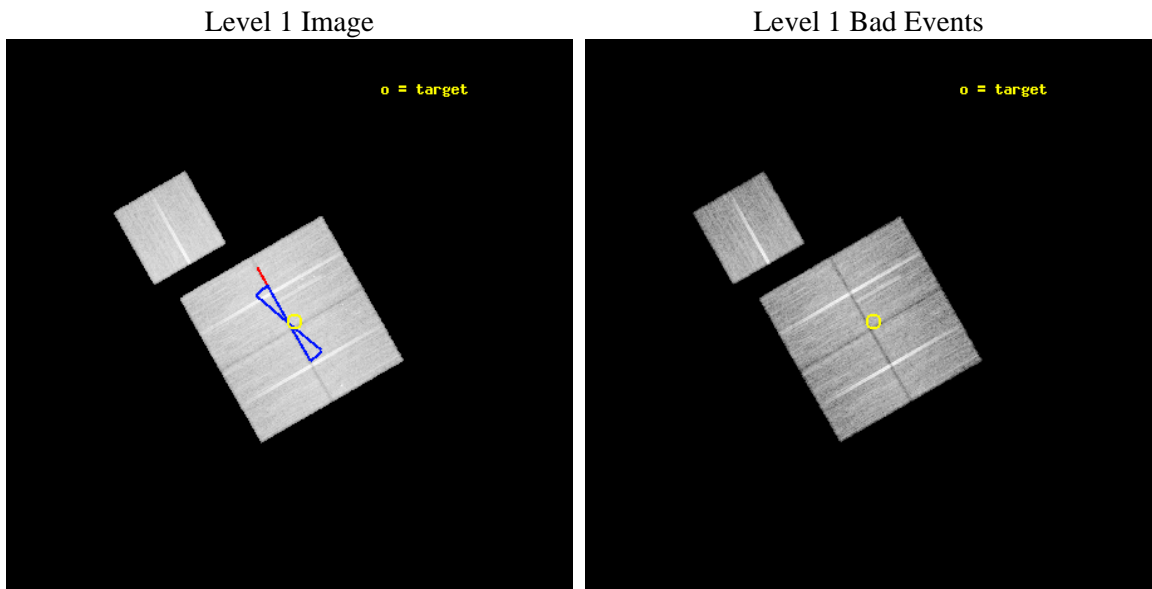
seq_num	900798	Sequence number
obs_id	9460	Observation id
title	The Evolution of Faint AGN at High Redshift	Proposal title
observer	Prof Kirpal Nandra	Principal investigator
object	AEGIS-3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	214.5375	Observer's specified target RA [deg]
dec_targ	52.617889	Observer's specified target Dec [deg]
ra_nom	214.55049801411	Nominal RA [deg]
dec_nom	52.616132672518	Nominal Dec [deg]
roll_nom	330.19836541854	Nominal Roll [deg]
revision	2	Processing version of data
ontime	21638.000166416	Sum of GTIs [s]
livetime	21355.283764578	Livetime [s]
ontime0	21638.000166416	Sum of GTIs [s]
ontime1	21638.000166416	Sum of GTIs [s]
ontime2	21634.859186172	Sum of GTIs [s]
ontime3	21638.000166416	Sum of GTIs [s]
ontime6	21634.859146237	Sum of GTIs [s]
l2events	77393	Number of level 2 events



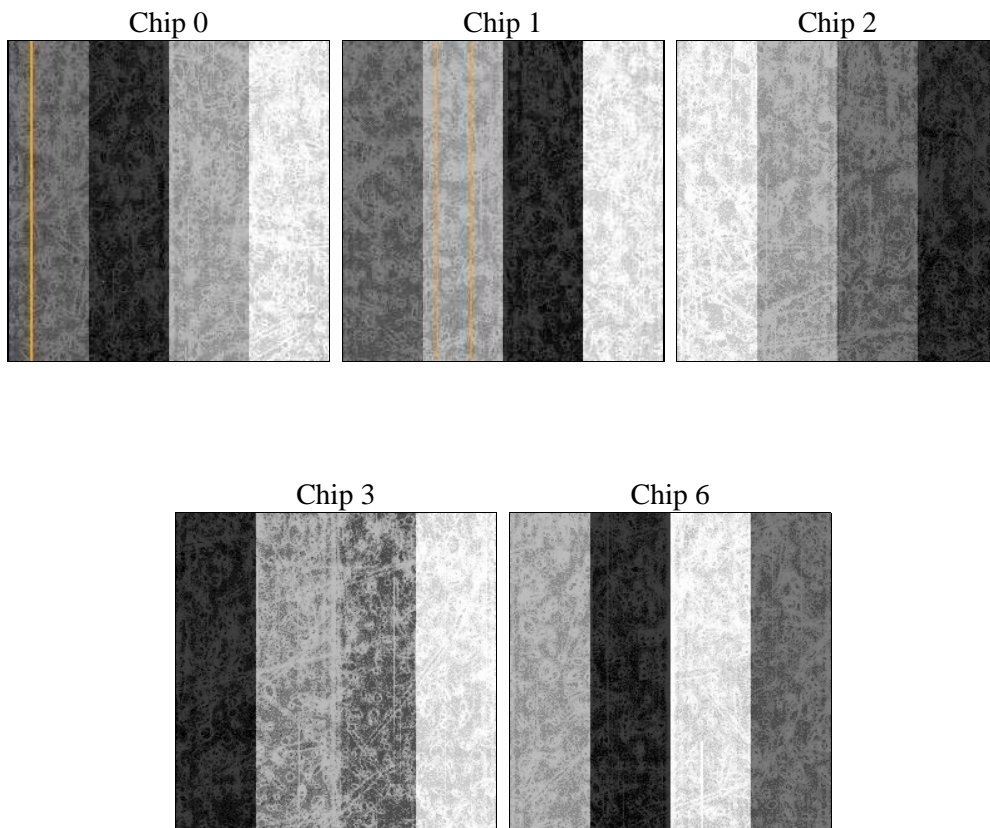
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	21500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	21638.000166416	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	21638.000166416	Sum of GTIs [s]
date	2012-05-22T10:38:40	Date and time of file creation	ontime1	21638.000166416	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	21634.859186172	Sum of GTIs [s]
			ontime3	21638.000166416	Sum of GTIs [s]
			ontime6	21634.859146237	Sum of GTIs [s]
			l1events	904644	Number of level 1 events

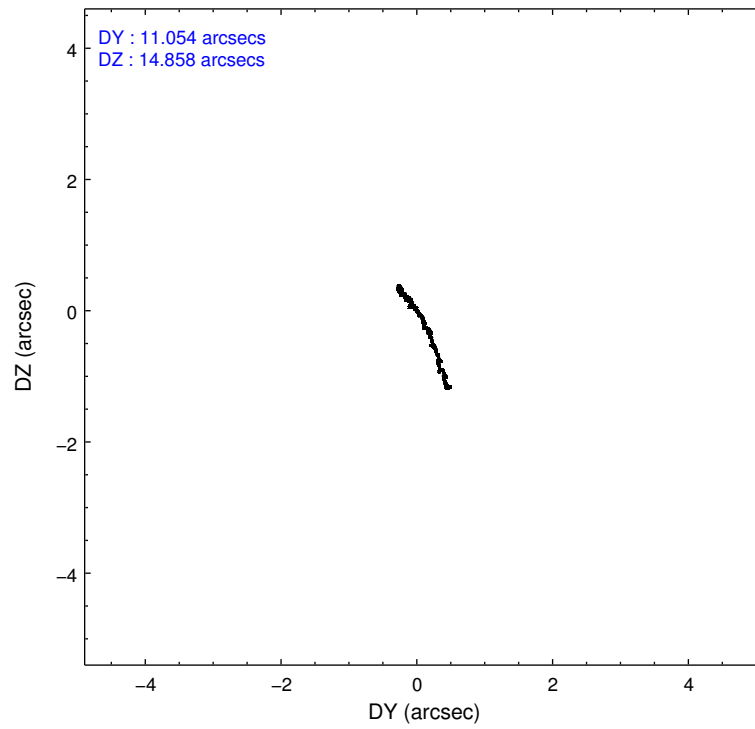
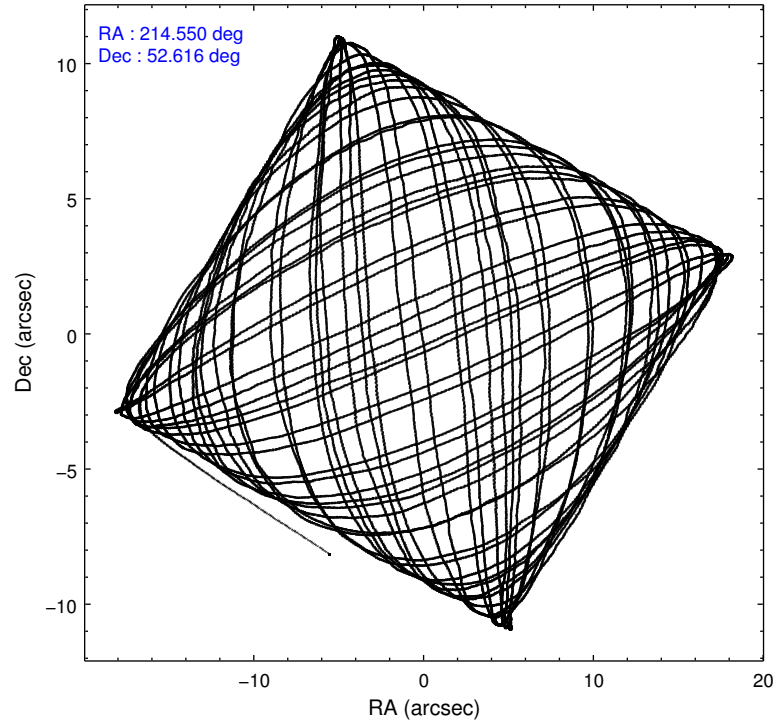
2.1.4 Events

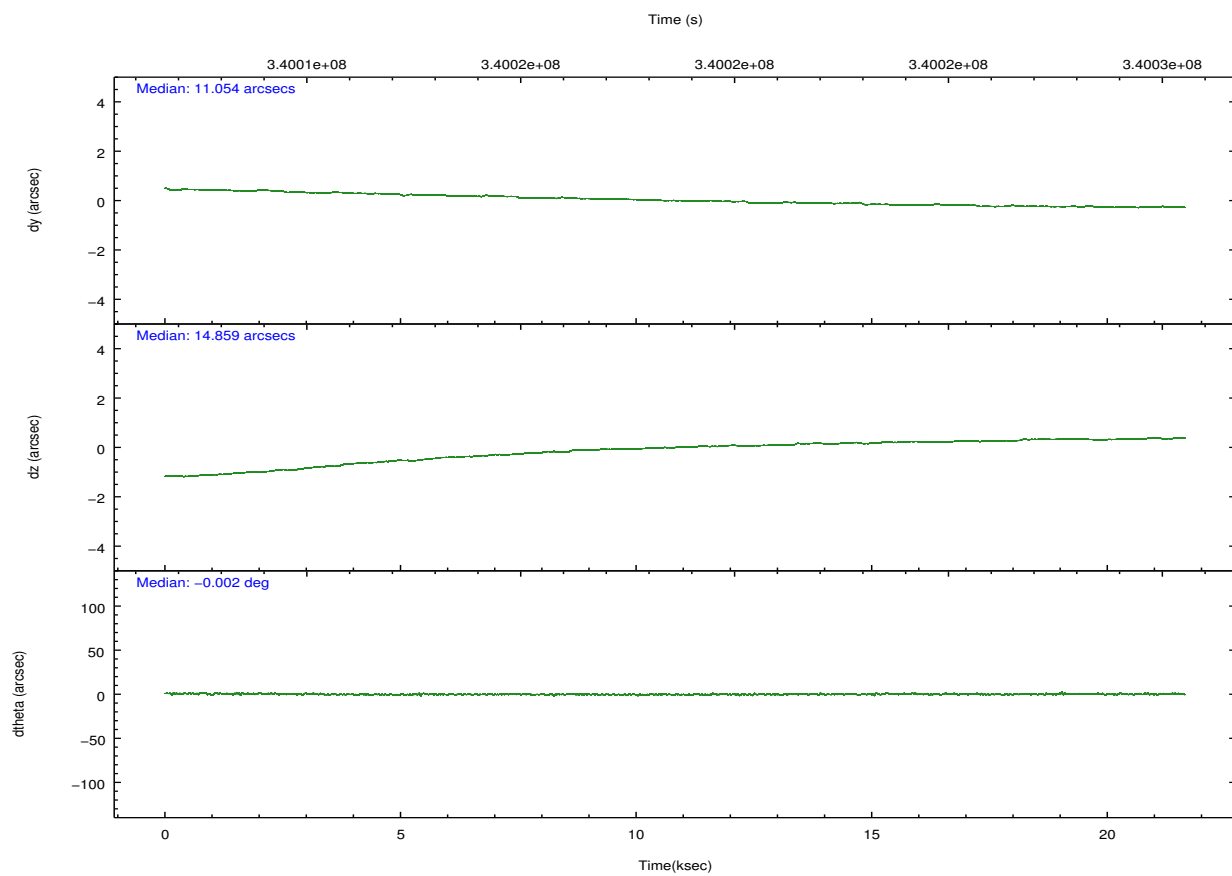
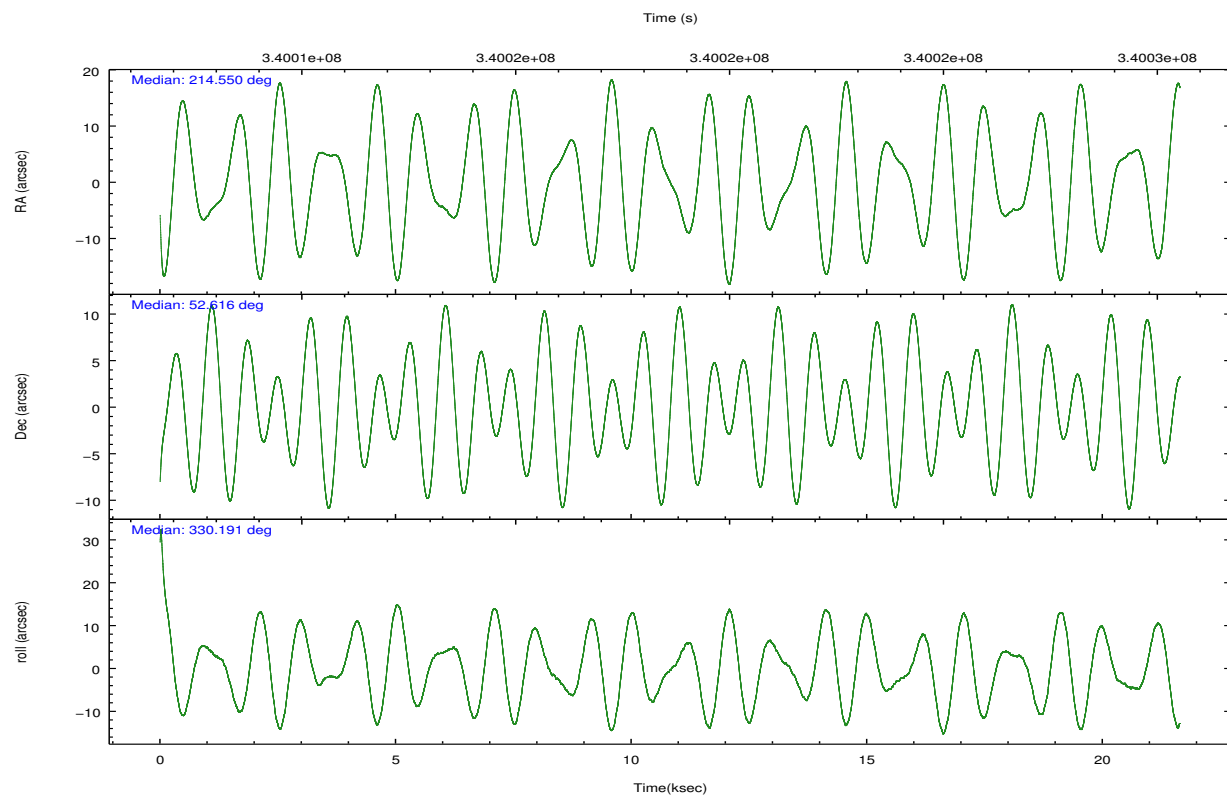
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	174202	172359	195828	181420	180835	grade 0 events	6418	7947	6422	6768	6700
rejected events	155847	151479	178266	163731	162116		3%	4%	3%	3%	3%
rejected %	89%	87%	91%	90%	89%	grade 1 events	85	101	102	113	90
							0%	0%	0%	0%	0%
						grade 2 events	4628	4822	4445	3953	4243
							2%	2%	2%	2%	2%
						grade 3 events	2085	2209	1898	2027	2128
							1%	1%	0%	1%	1%
						grade 4 events	1943	2197	1928	1932	2061
							1%	1%	0%	1%	1%
						grade 5 events	6518	7408	6090	7678	7700
							3%	4%	3%	4%	4%
						grade 6 events	3741	4258	3312	3468	4079
							2%	2%	1%	1%	2%
						grade 7 events	148784	143417	171631	155481	153834
							85%	83%	87%	85%	85%

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	214.505206	214.5504980141129	CCD I2 on	Y	Y
[deg] Pointing Dec	52.615924	52.61613267251751	CCD I3 on	Y	Y
[deg] Pointing Roll	330.025658	330.1983654185378	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)	340007924.184000	340006669.19478	Subarray requested	NONE	NONE
Observation start date	2008-10-10T06:37:39	2008-10-10T06:17:49	Alternating exposures requested	N	N
[s] Observation end time (MET)	340029424.184000	340030673.15846	[s] Primary exposure time	0.000000	3.1
Observation end date	2008-10-10T12:35:59	2008-10-10T12:57:53			
Read mode	TIMED	TIMED			

2.3 Aspect



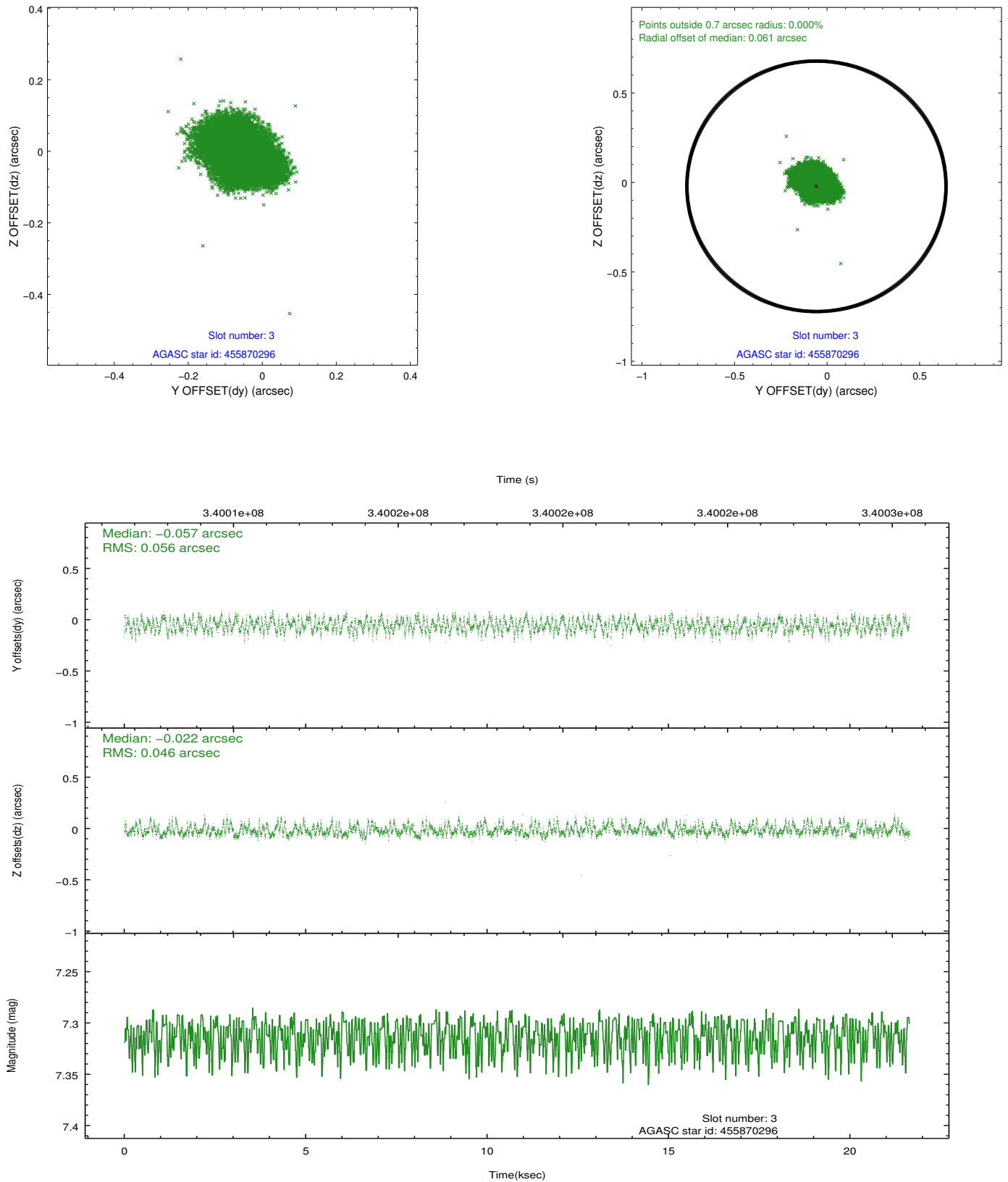


Slot Statistics

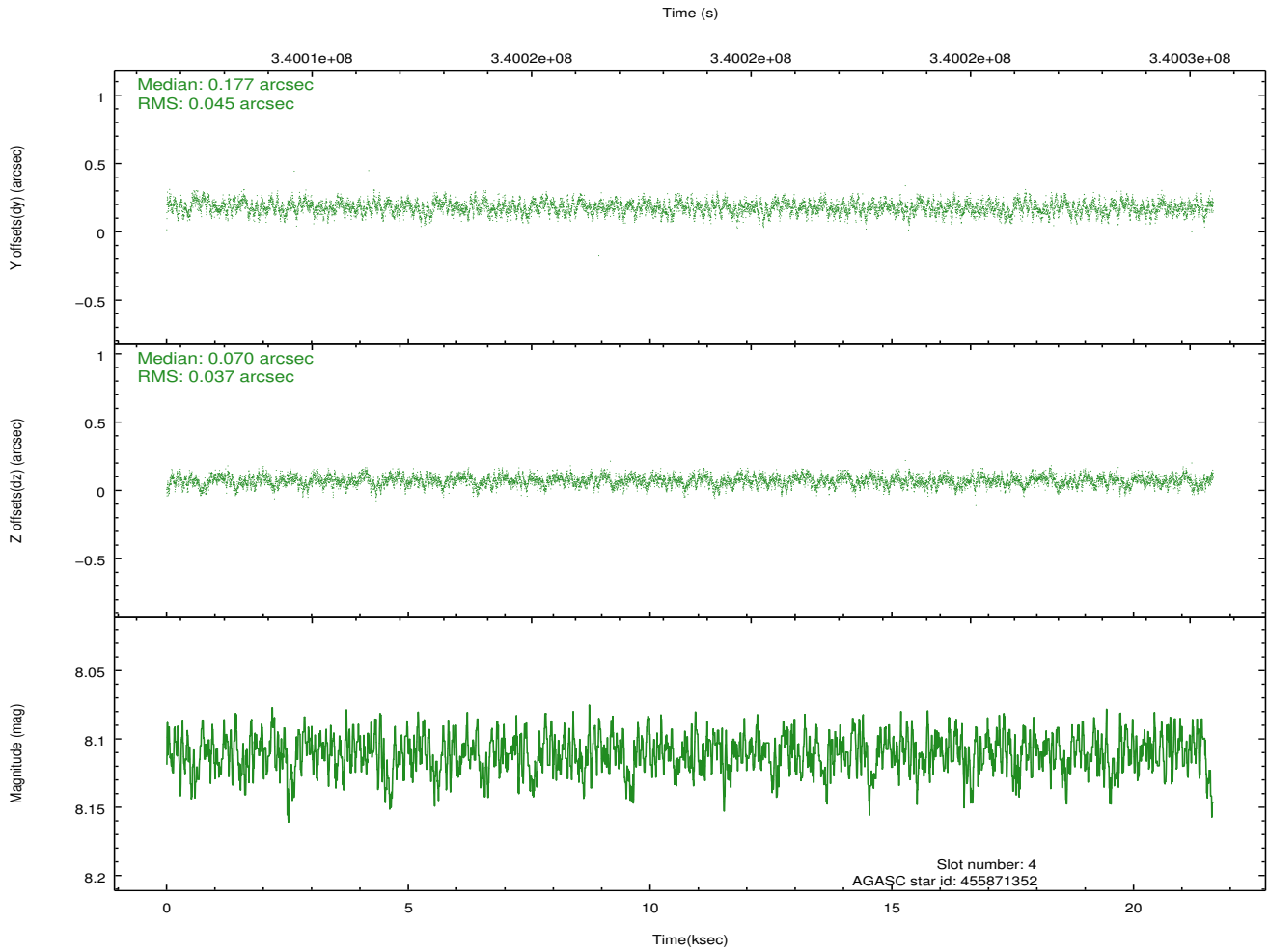
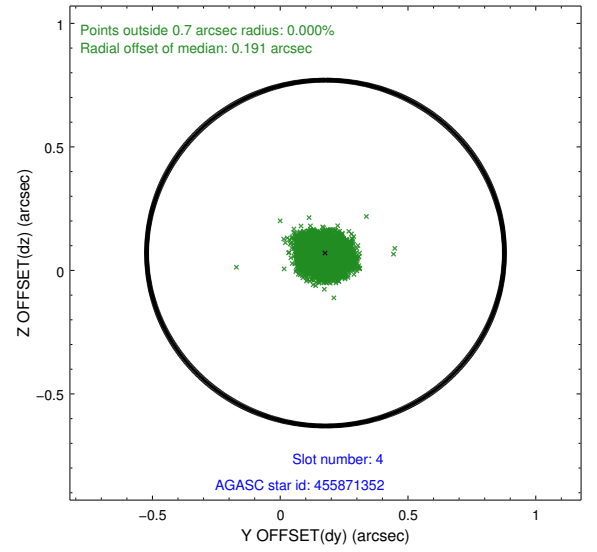
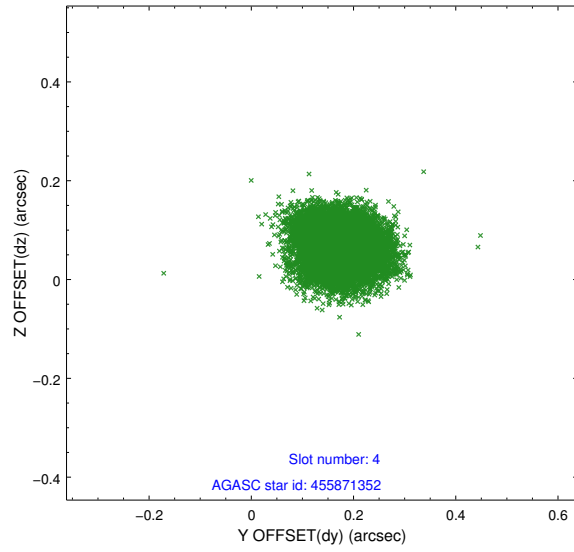
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.00	5279	-0.014	0.014	0.017	0.027	0.000000	0.000000	928.47	-838.27
1	FID	ACIS-I-4	6.94	5277	0.089	0.020	0.020	0.035	0.000000	0.000000	2148.70	1061.46
2	FID	ACIS-I-5	6.98	5279	-0.174	0.036	0.015	0.027	0.000000	0.000000	-1819.49	1059.50
3	GUIDE	455870296	7.31	10541	-0.057	-0.022	0.079	0.121	214.629779	52.033323	1287.13	-1678.40
4	GUIDE	455871352	8.11	10552	0.177	0.070	0.062	0.100	215.099961	52.172669	1932.61	-721.15
5	GUIDE	505806936	7.01	10559	-0.069	0.056	0.063	0.110	213.820815	52.535927	-1157.42	-991.94
6	GUIDE	505812088	8.14	10551	0.160	0.039	0.071	0.114	214.186617	53.263562	-1759.88	1678.26
7	GUIDE	505812376	7.69	10550	-0.219	-0.151	0.052	0.082	214.039537	52.937930	-1456.26	502.34

2.4 Star Slots

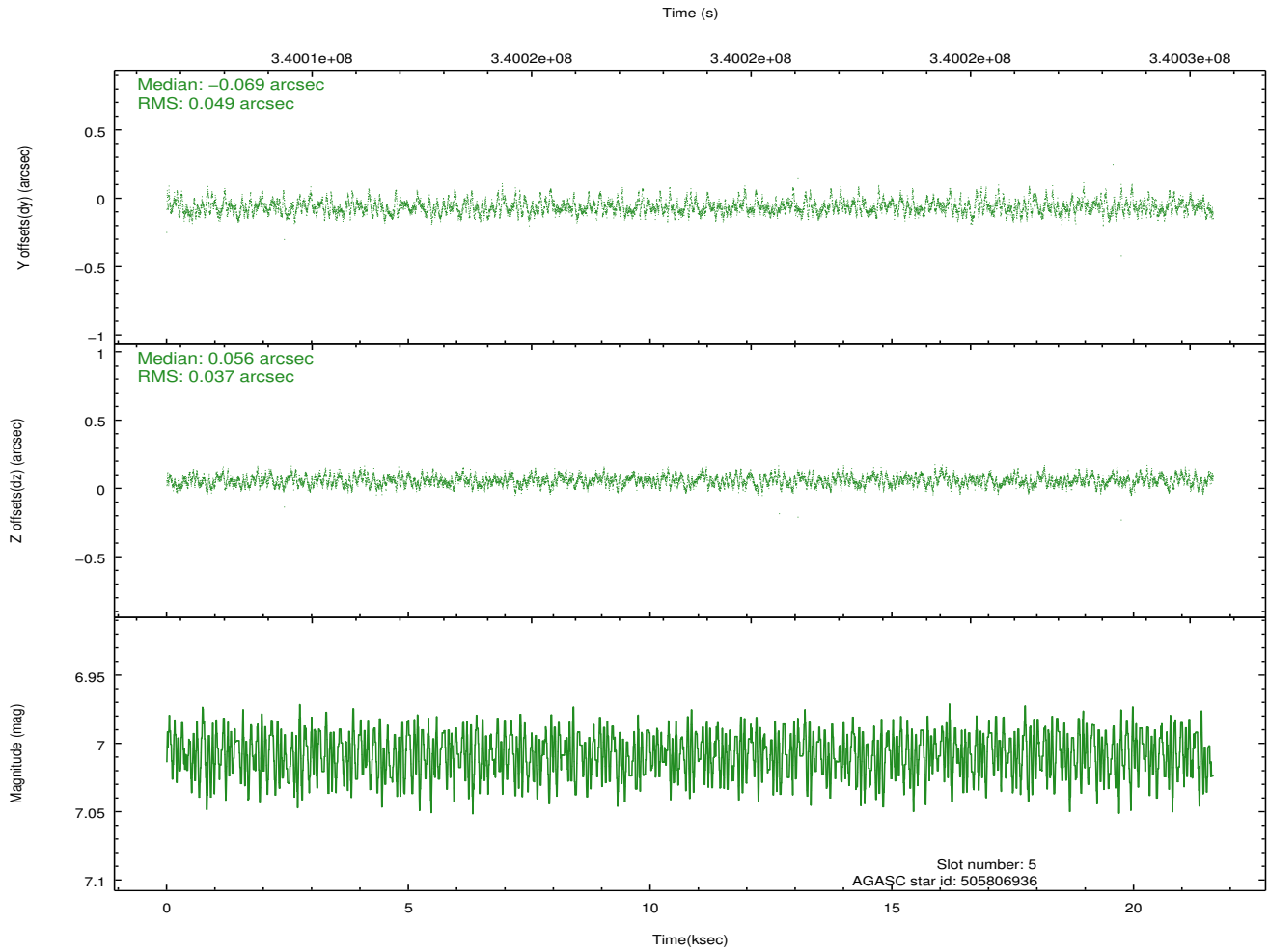
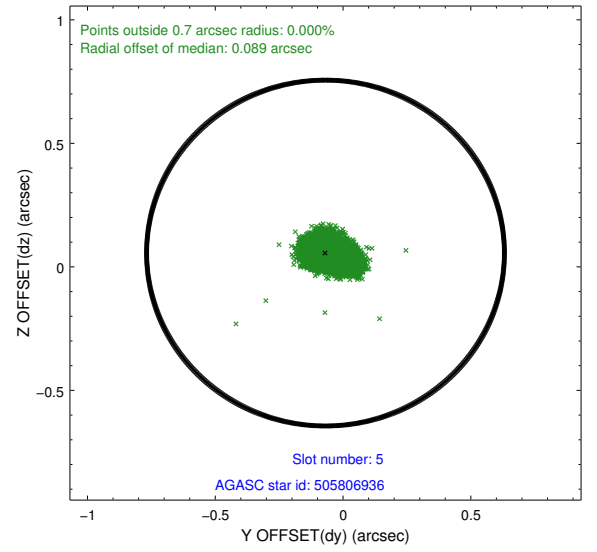
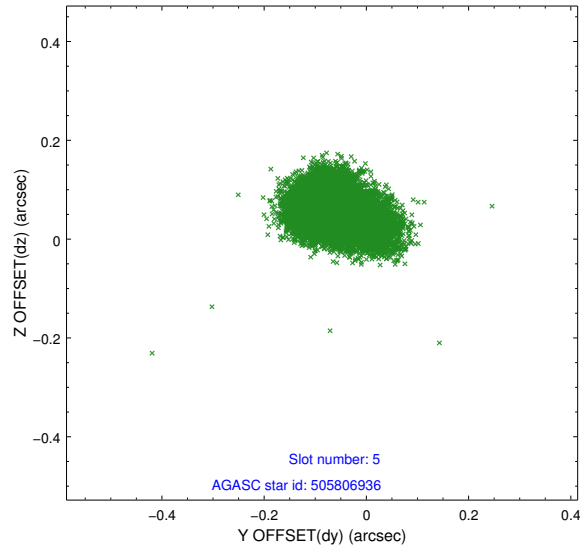
2.4.1 Slot 3



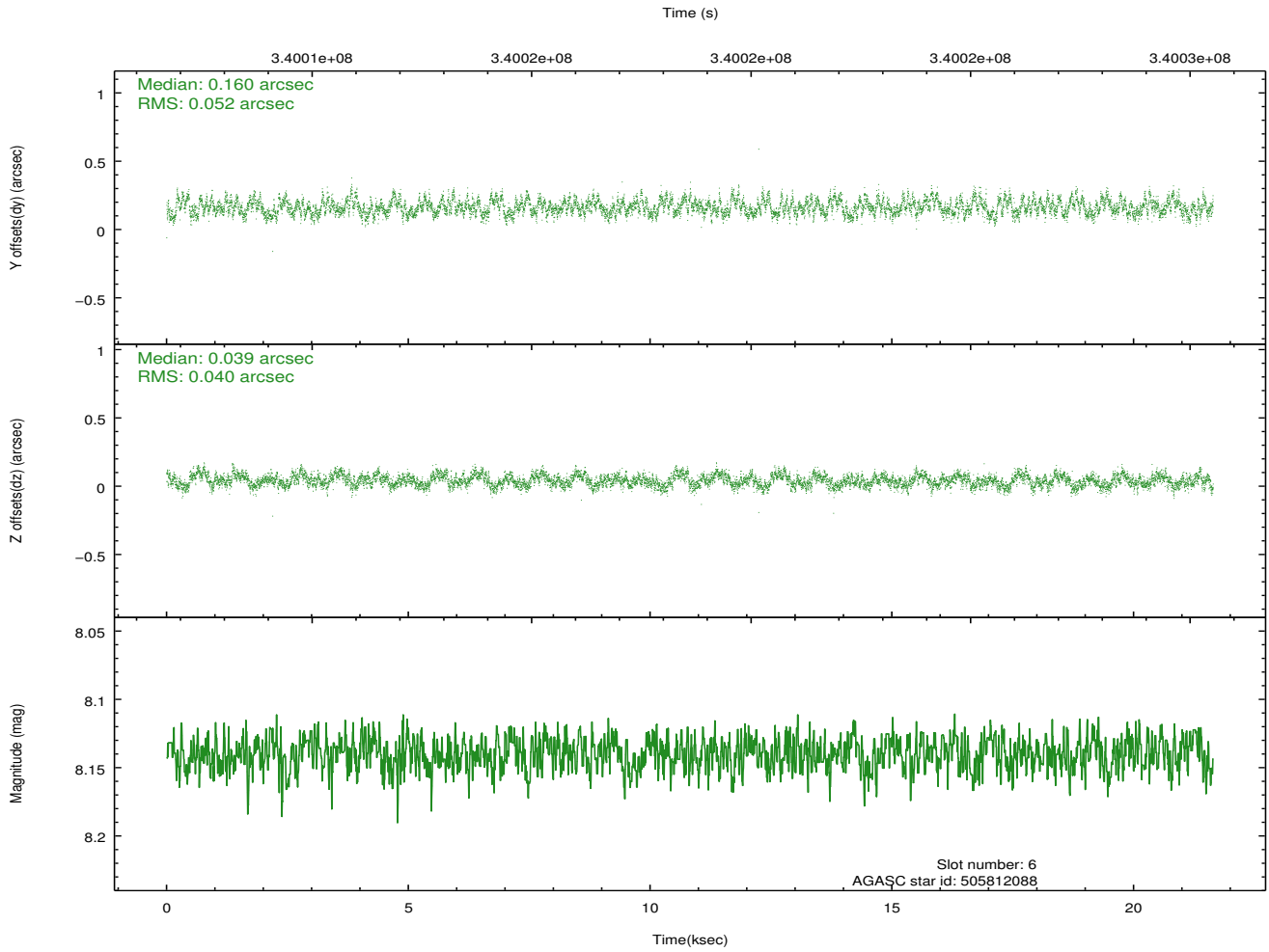
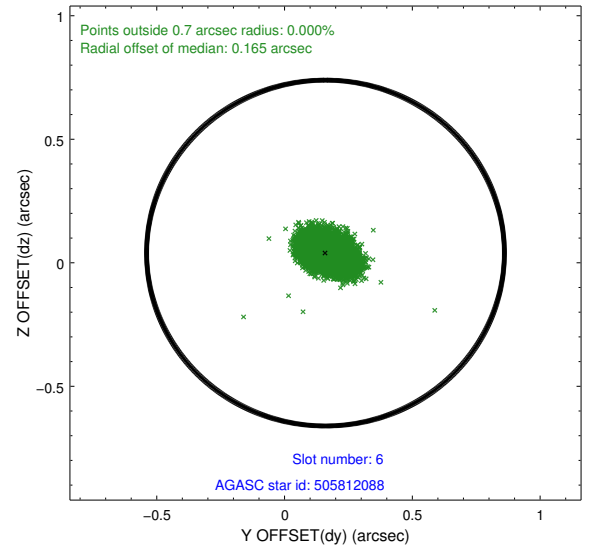
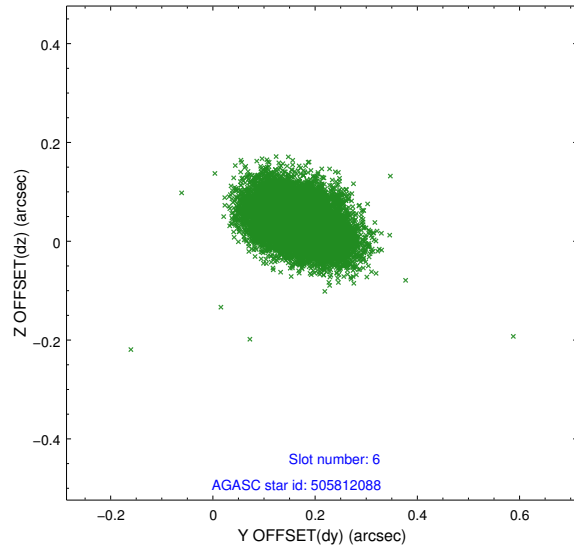
2.4.2 Slot 4



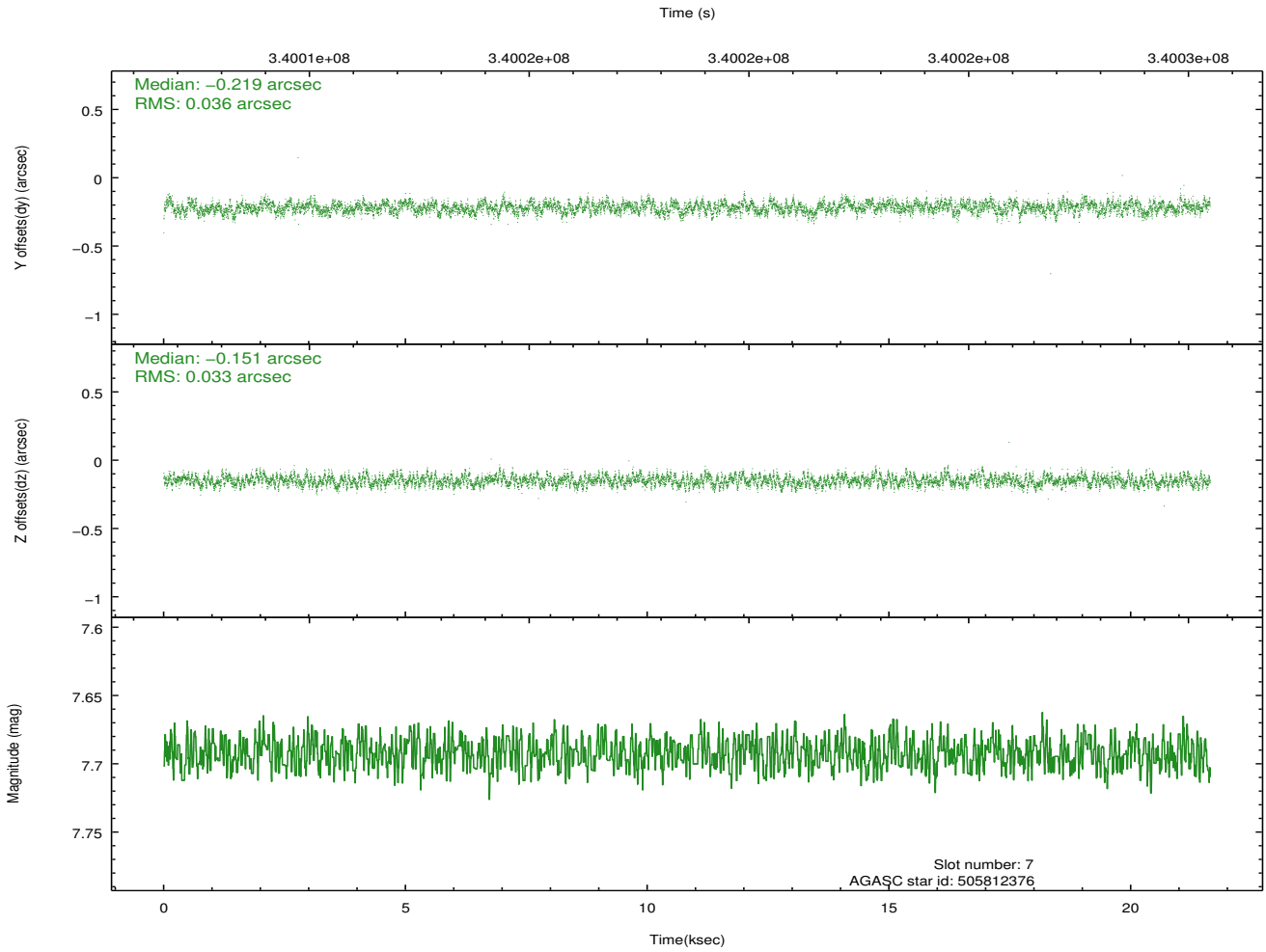
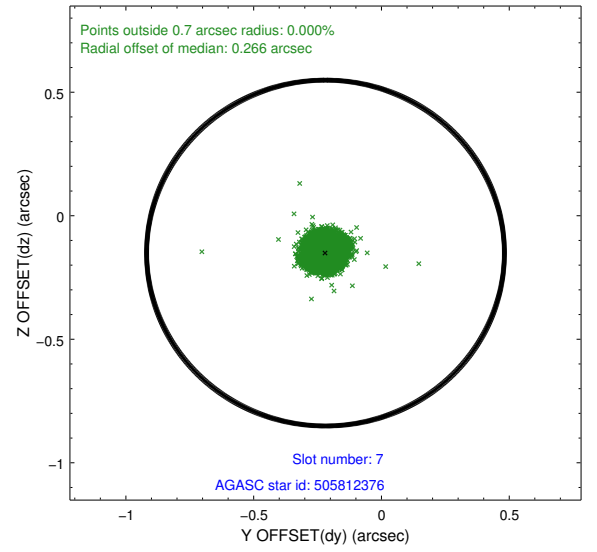
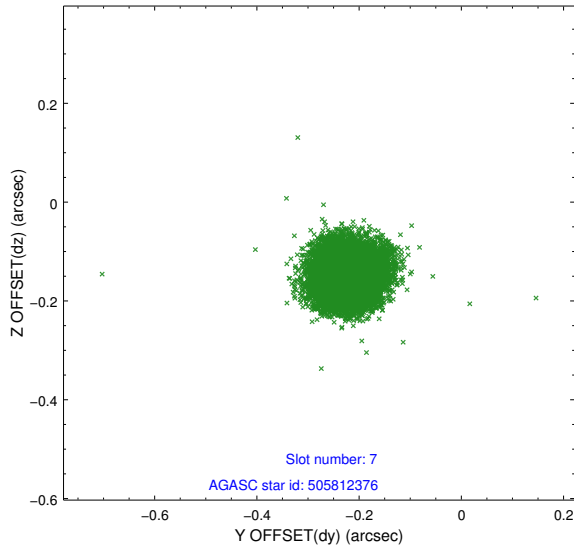
2.4.3 Slot 5



2.4.4 Slot 6

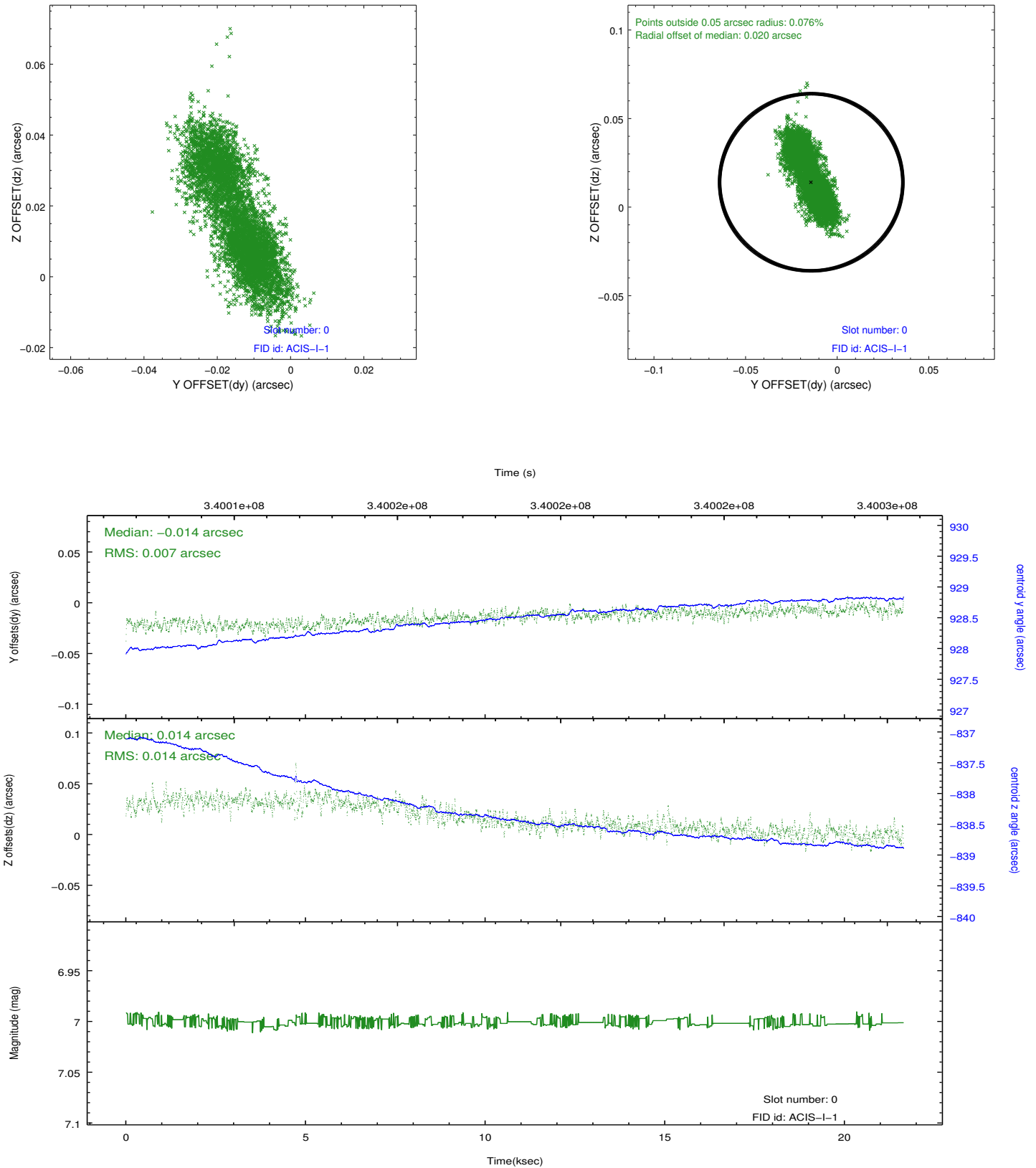


2.4.5 Slot 7

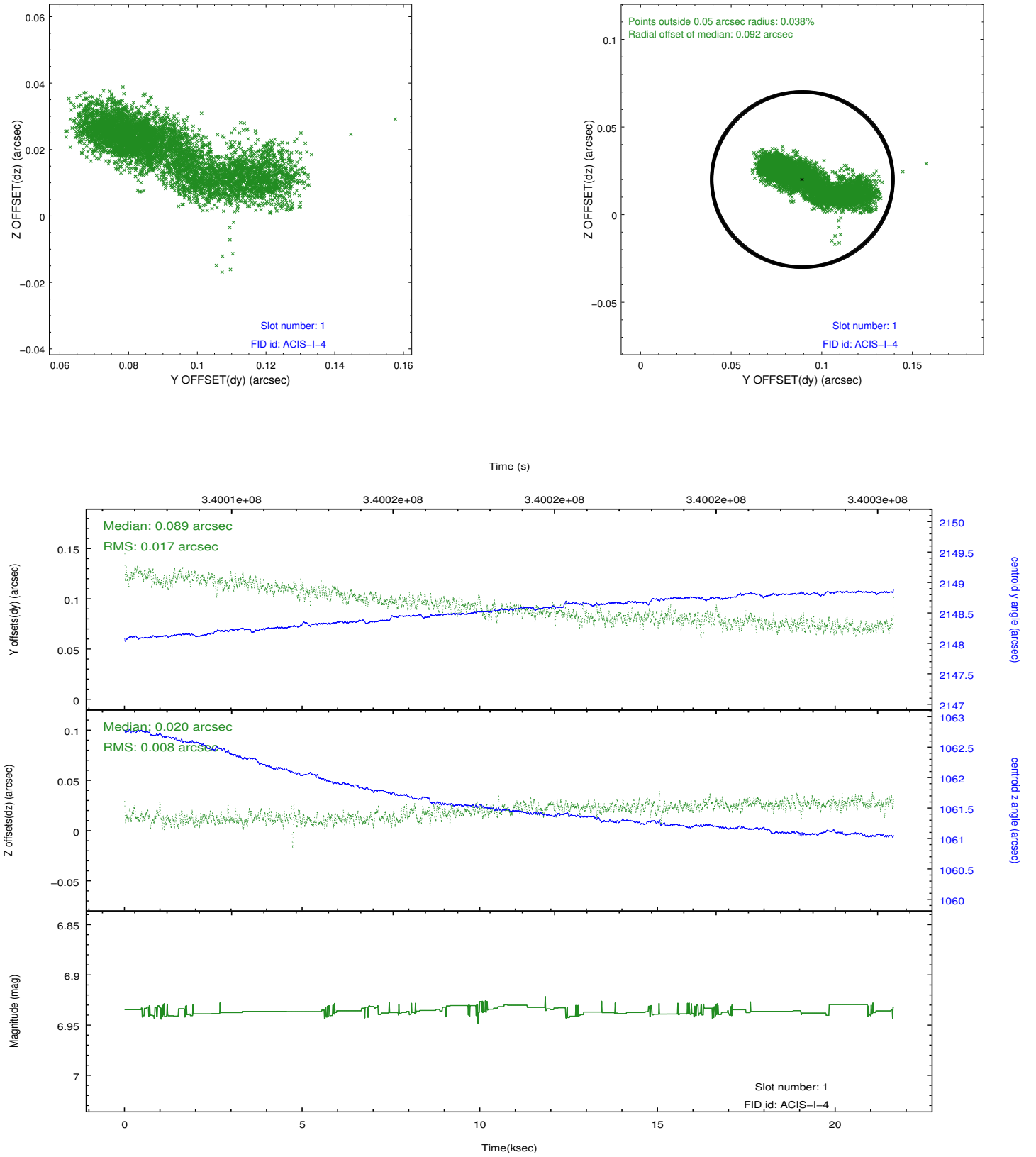


2.5 FID Slots

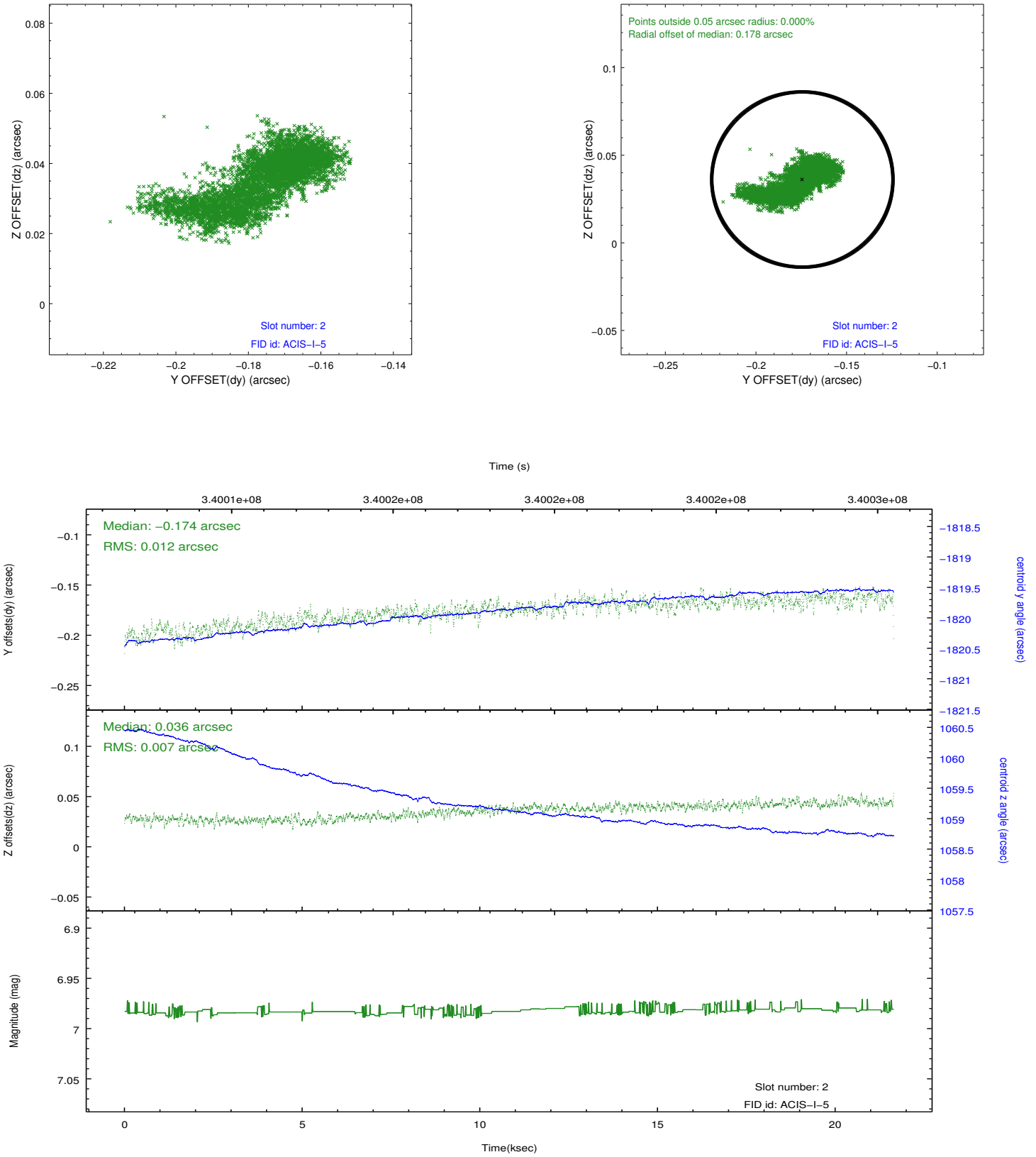
2.5.1 Slot 0



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)	2012.05.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	21.6380001

A.2 Comments

Roll constraint met. Joint Proposal: Spitzer