

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9879 - L2 Version 2
Chandra X-Ray Center

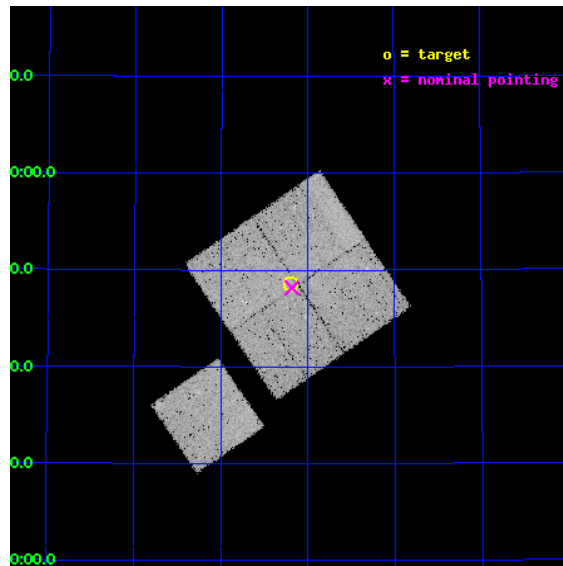
L2 Processing Date : May 17 2012

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1 Front

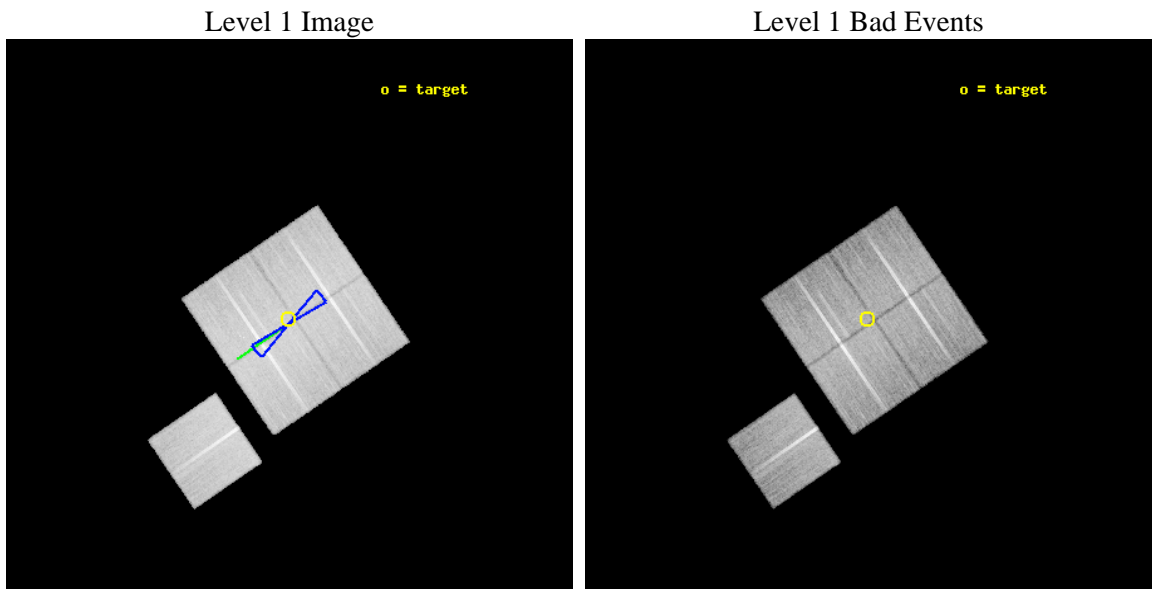
seq_num	900797	Sequence number
obs_id	9879	Observation id
title	The Evolution of Faint AGN at High Redshift	Proposal title
observer	Prof Kirpal Nandra	Principal investigator
object	AEGIS-2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	214.8	Observer's specified target RA [deg]
dec_targ	52.810611	Observer's specified target Dec [deg]
ra_nom	214.79612258229	Nominal RA [deg]
dec_nom	52.802876876787	Nominal Dec [deg]
roll_nom	235.71178110047	Nominal Roll [deg]
revision	2	Processing version of data
ontime	27156.000208855	Sum of GTIs [s]
livetime	26801.187074169	Livetime [s]
ontime0	27149.718248188	Sum of GTIs [s]
ontime1	27156.000208855	Sum of GTIs [s]
ontime2	27156.000208855	Sum of GTIs [s]
ontime3	27156.000208855	Sum of GTIs [s]
ontime6	27149.7182284	Sum of GTIs [s]
l2events	91511	Number of level 2 events



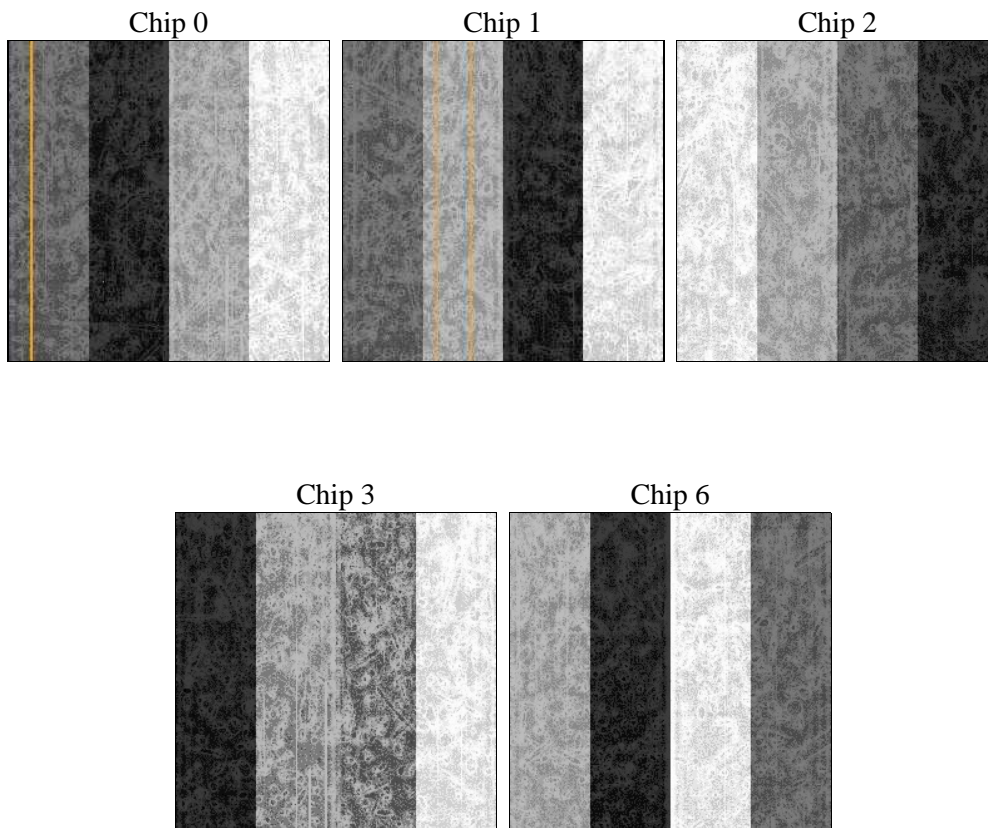
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	27000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	27156.000208855	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	27149.718248188	Sum of GTIs [s]
date	2012-05-17T04:39:59	Date and time of file creation	ontime1	27156.000208855	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	27156.000208855	Sum of GTIs [s]
			ontime3	27156.000208855	Sum of GTIs [s]
			ontime6	27149.7182284	Sum of GTIs [s]
			l1events	1069909	Number of level 1 events

2.1.4 Events

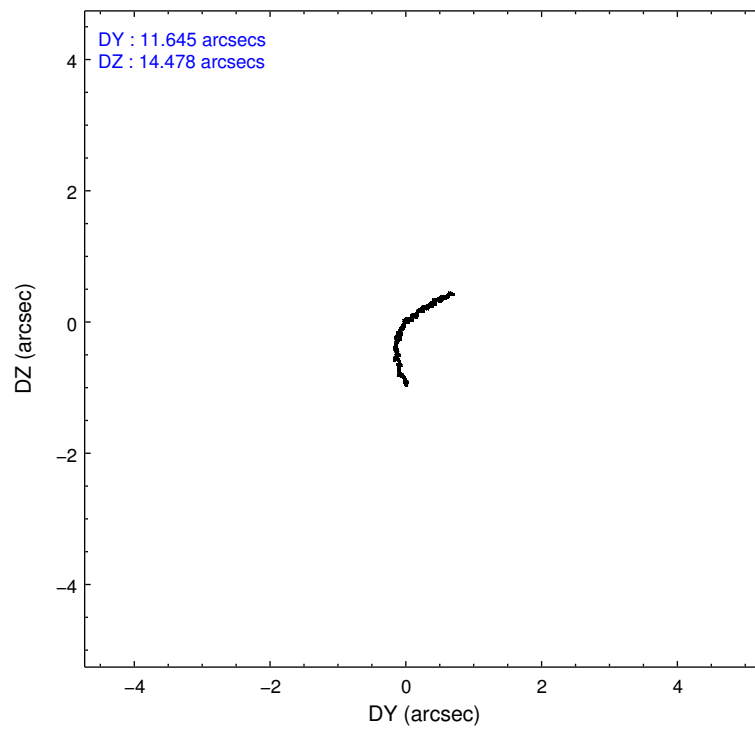
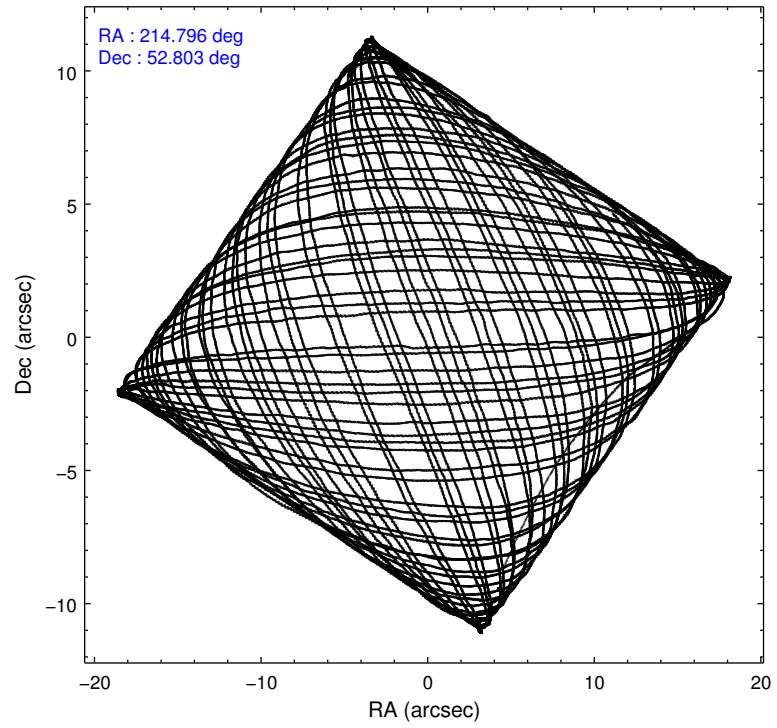
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	204961	207807	227998	214240	214903
rejected events	183394	183319	207069	193394	192474
rejected %	89%	88%	90%	90%	89%

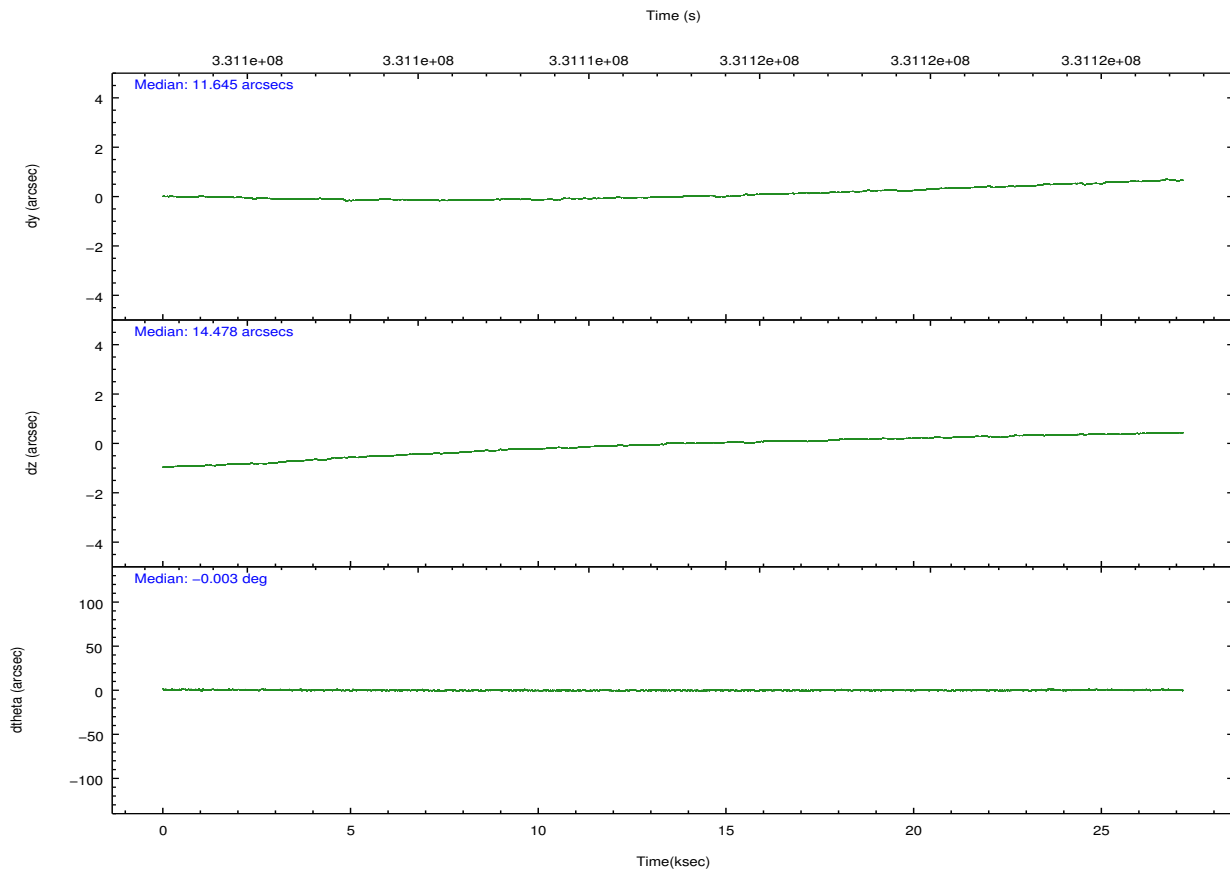
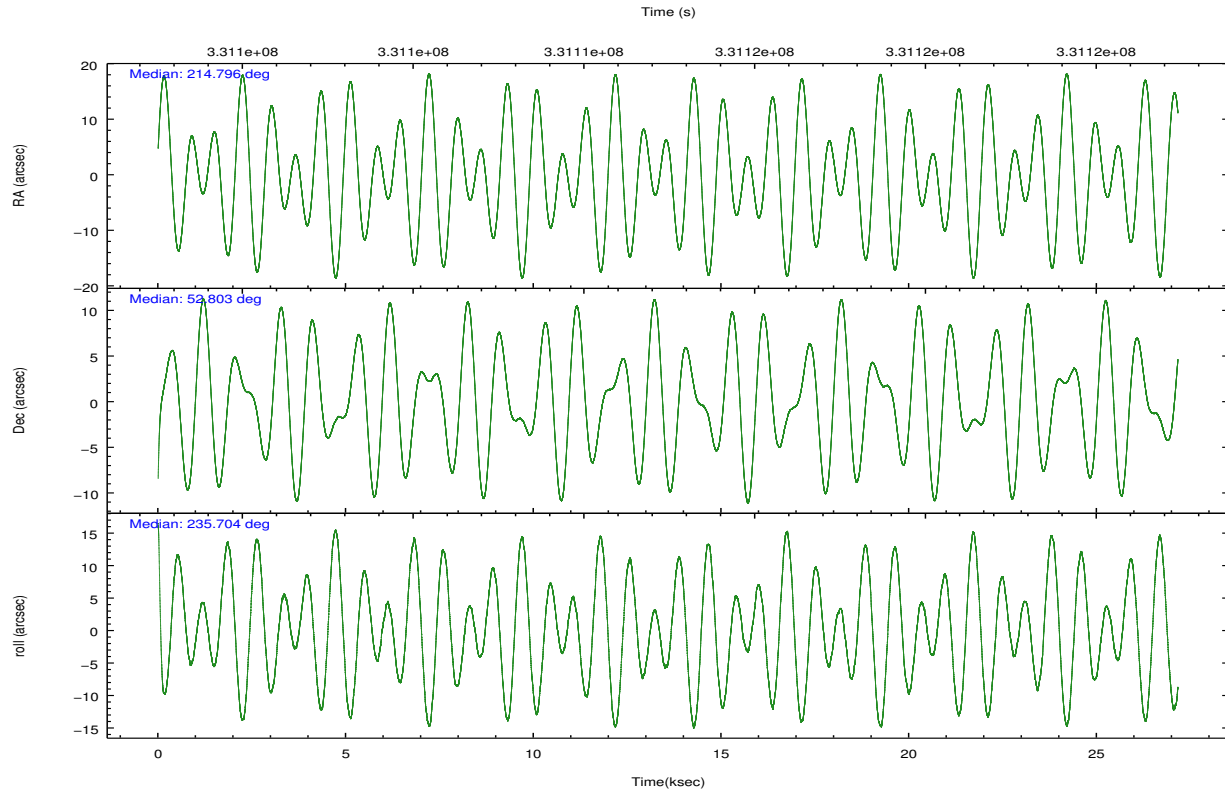
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	7444	8766	7438	7419	7759
	3%	4%	3%	3%	3%
grade 1 events	110	100	121	129	107
	0%	0%	0%	0%	0%
grade 2 events	5366	5792	5141	4555	5062
	2%	2%	2%	2%	2%
grade 3 events	2404	2620	2232	2427	2398
	1%	1%	0%	1%	1%
grade 4 events	2245	2540	2297	2292	2415
	1%	1%	1%	1%	1%
grade 5 events	7787	8501	7447	9177	8833
	3%	4%	3%	4%	4%
grade 6 events	4301	4961	4017	4309	4983
	2%	2%	1%	2%	2%
grade 7 events	175304	174527	199305	183932	183346
	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	214.799319	214.7961225822909	CCD I2 on	Y	Y
[deg] Pointing Dec	52.830302	52.80287687678737	CCD I3 on	Y	Y
[deg] Pointing Roll	235.500545	235.7117811004717	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)	331099053.184000	331097960.92277	Subarray requested	NONE	NONE
Observation start date	2008-06-29T03:56:28	2008-06-29T03:39:20	Alternating exposures requested	N	N
[s] Observation end time (MET)	331126053.184000	331126609.67417	[s] Primary exposure time	0.000000	3.1
Observation end date	2008-06-29T11:26:28	2008-06-29T11:36:49			
Read mode	TIMED	TIMED			

2.3 Aspect



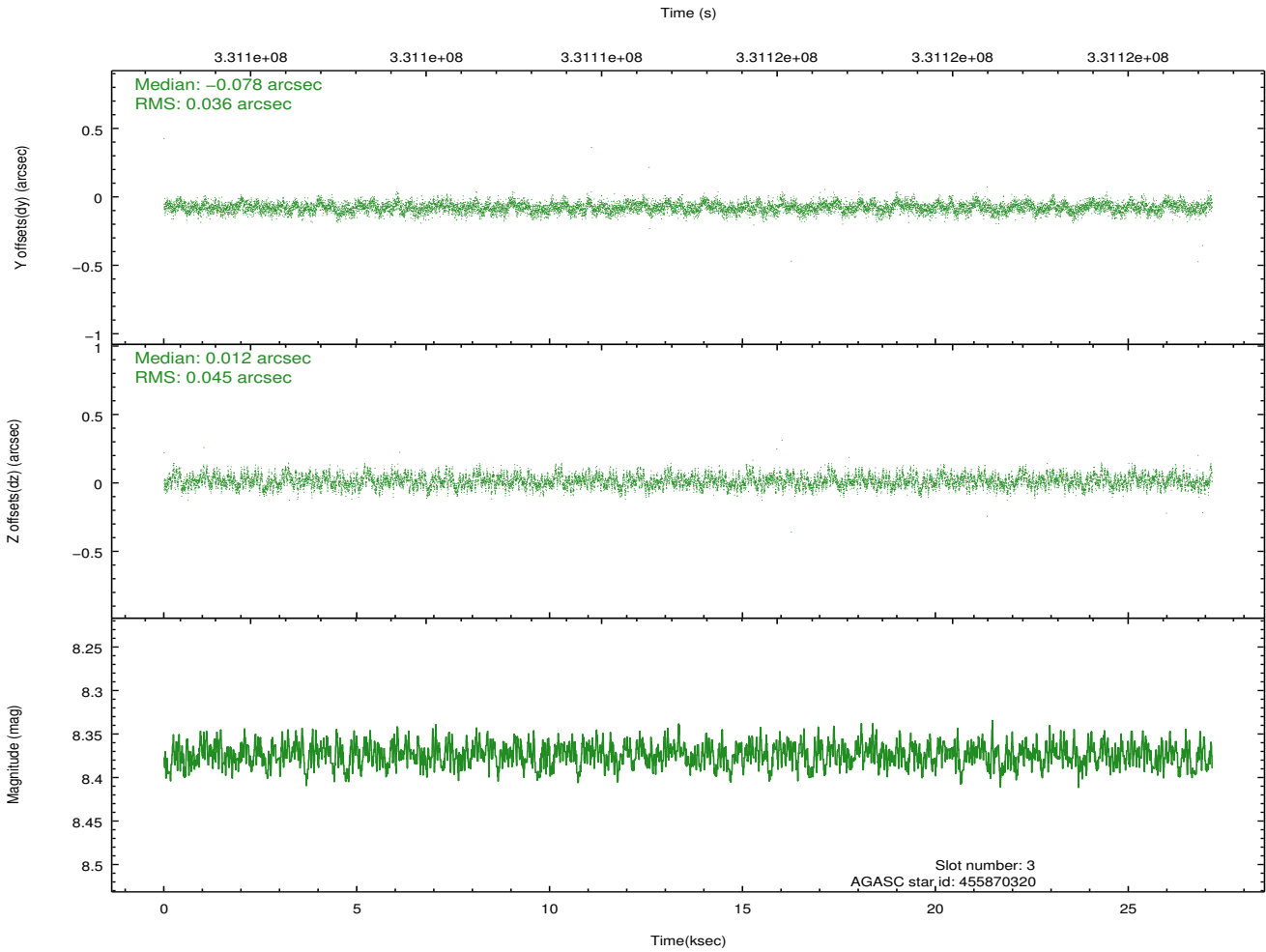
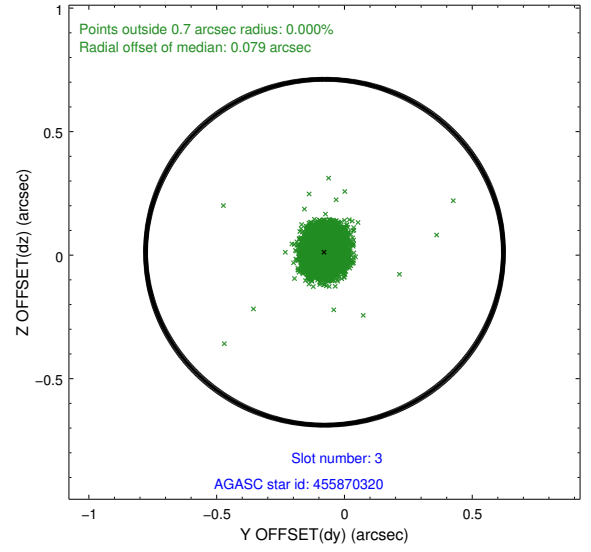
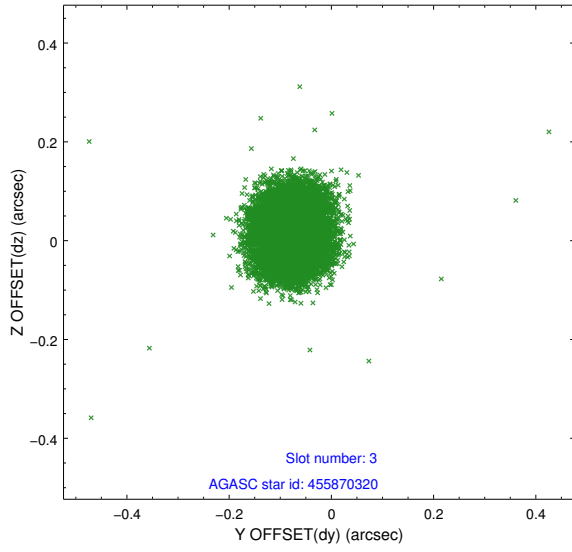


Slot Statistics

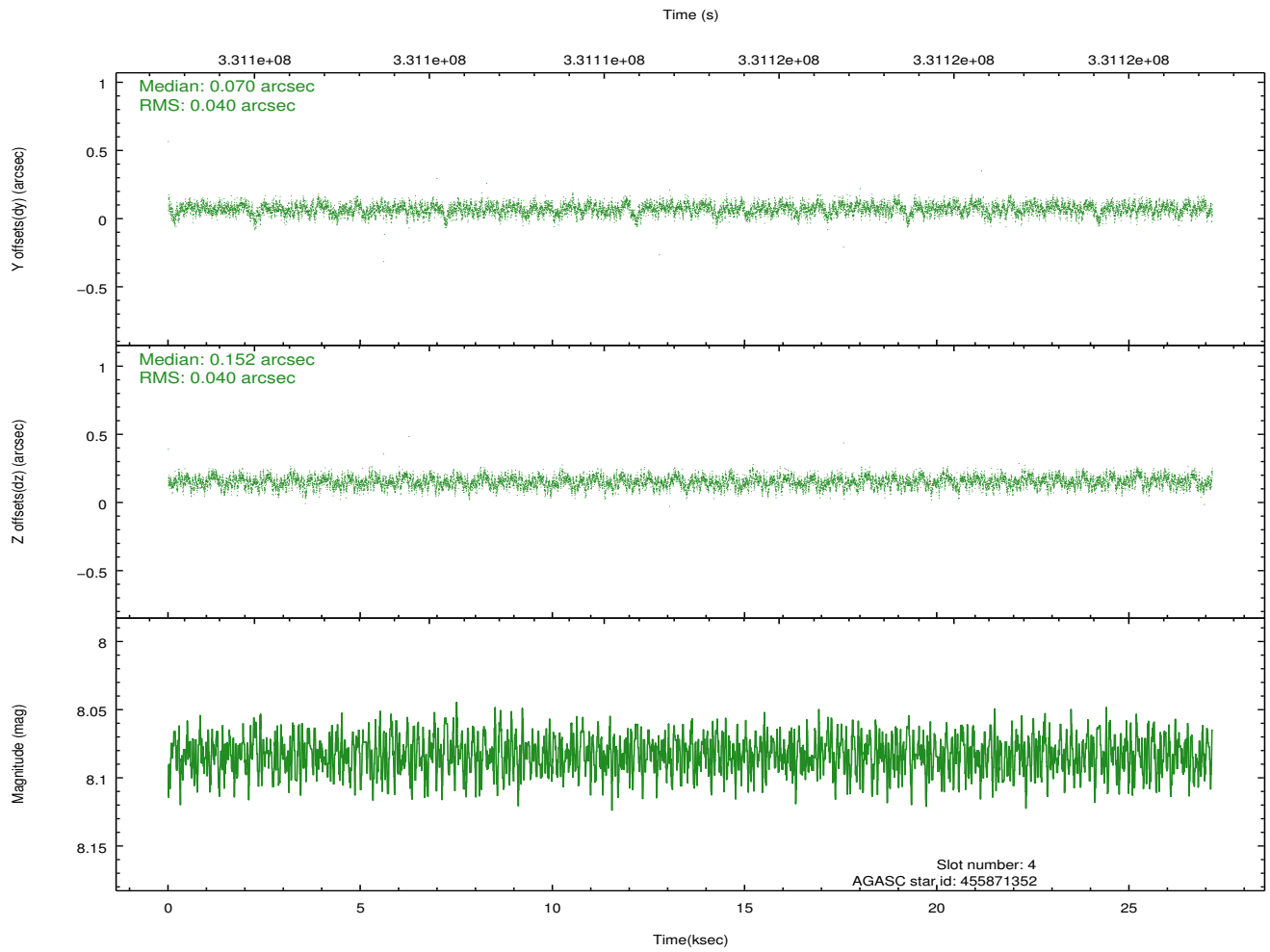
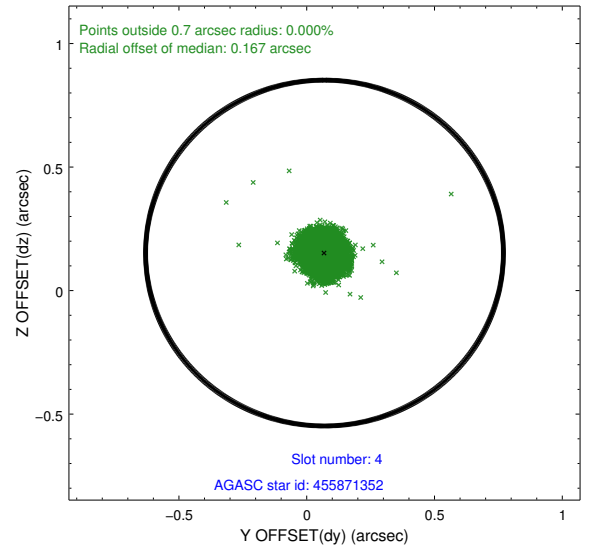
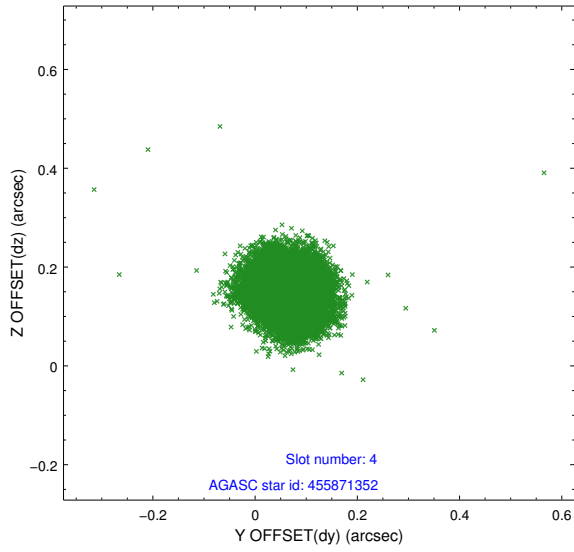
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	6.99	6625	-0.017	0.054	0.012	0.021	0.000000	0.000000	927.78	-837.88
1	FID	ACIS-I-5	6.98	6626	-0.133	0.017	0.008	0.015	0.000000	0.000000	-1820.41	1059.50
2	FID	ACIS-I-6	6.99	6626	0.058	0.000	0.013	0.021	0.000000	0.000000	393.27	1704.12
3	GUIDE	455870320	8.37	13247	-0.078	0.012	0.060	0.097	214.874440	52.401638	1178.51	1010.22
4	GUIDE	455871352	8.08	13244	0.070	0.152	0.060	0.095	215.099961	52.172669	1574.35	1887.58
5	GUIDE	505806936	7.03	13251	0.118	-0.016	0.068	0.115	213.820815	52.535927	2075.79	-1173.53
6	GUIDE	505812088	8.15	13244	-0.027	0.037	0.071	0.118	214.186617	53.263562	-542.01	-1974.15
7	GUIDE	505812376	7.67	13247	-0.082	-0.184	0.044	0.069	214.039537	52.937930	607.69	-1583.26

2.4 Star Slots

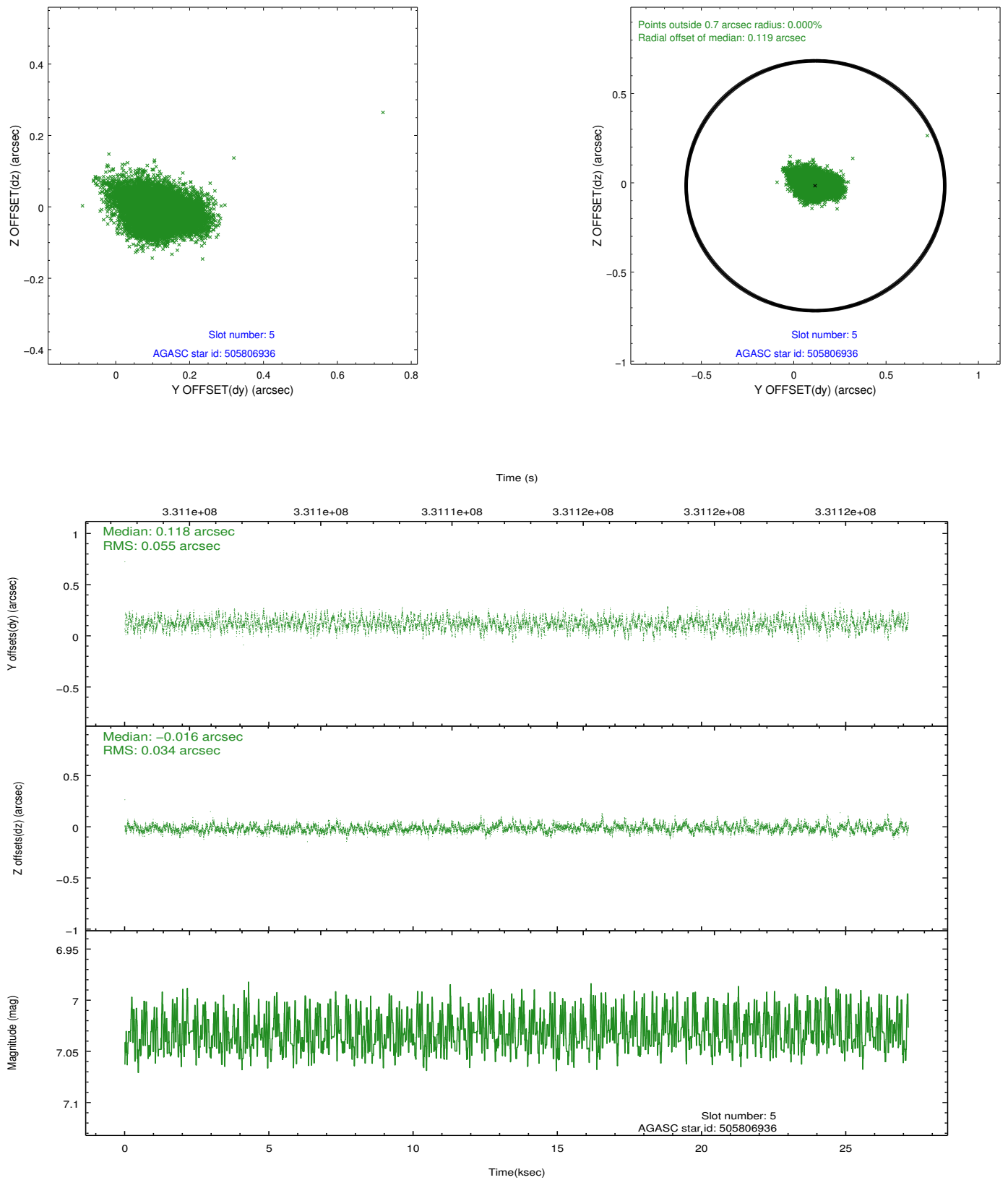
2.4.1 Slot 3



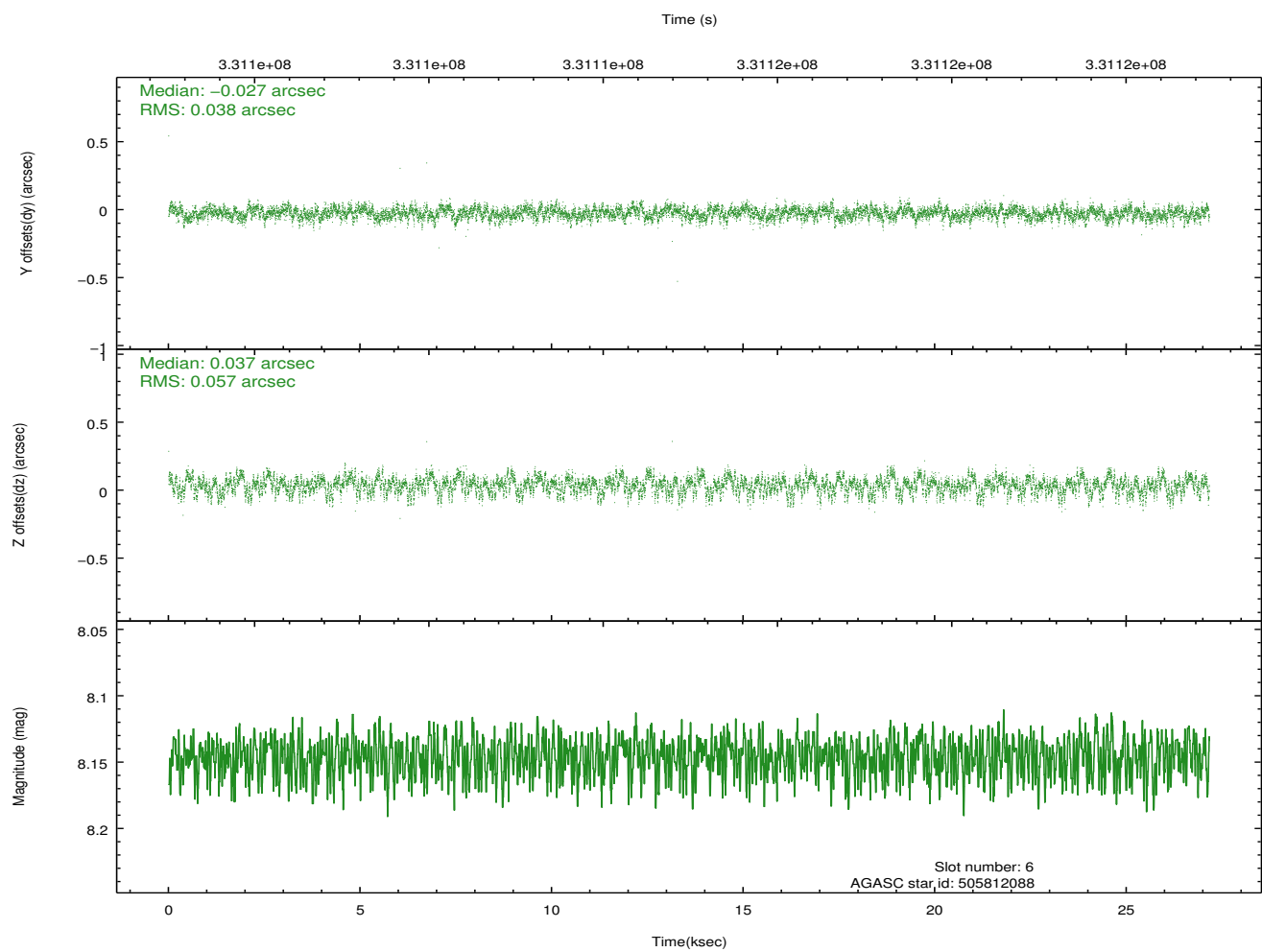
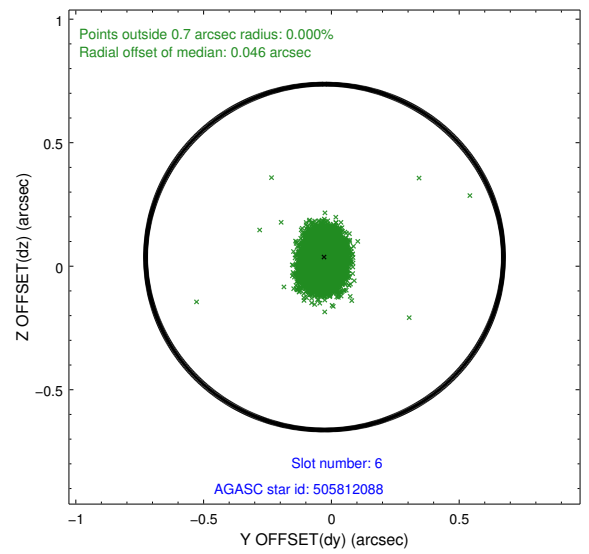
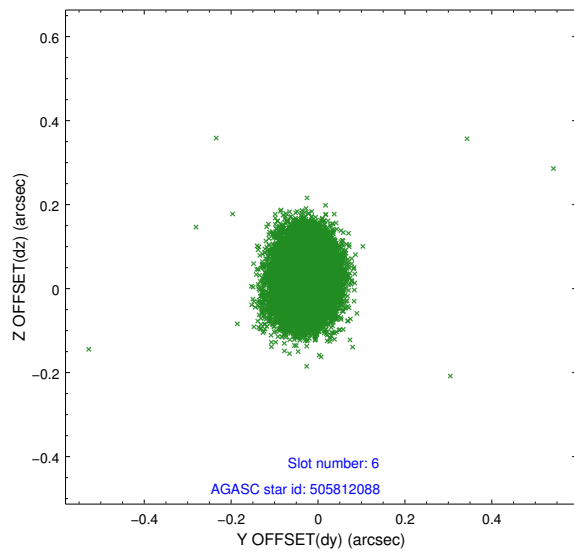
2.4.2 Slot 4



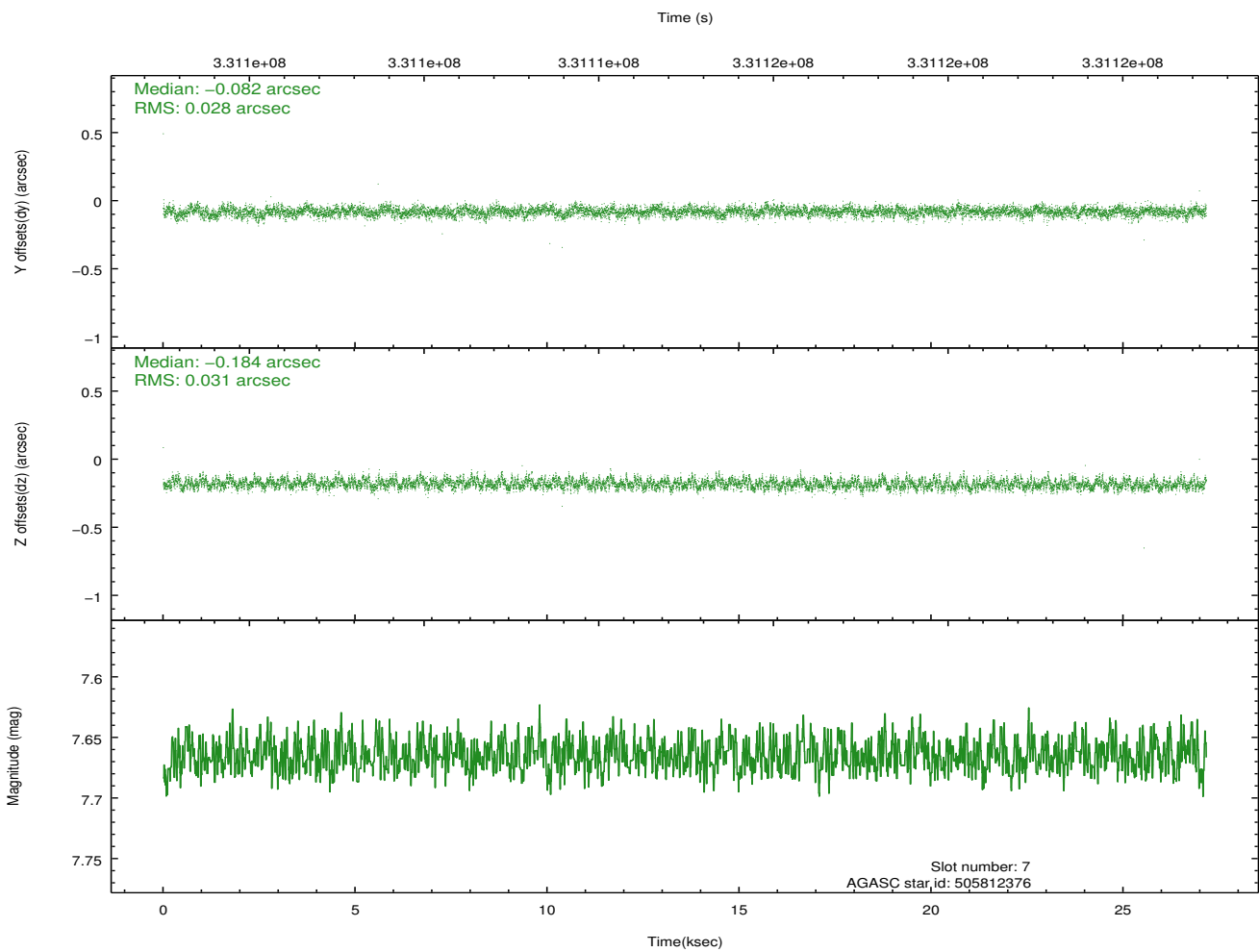
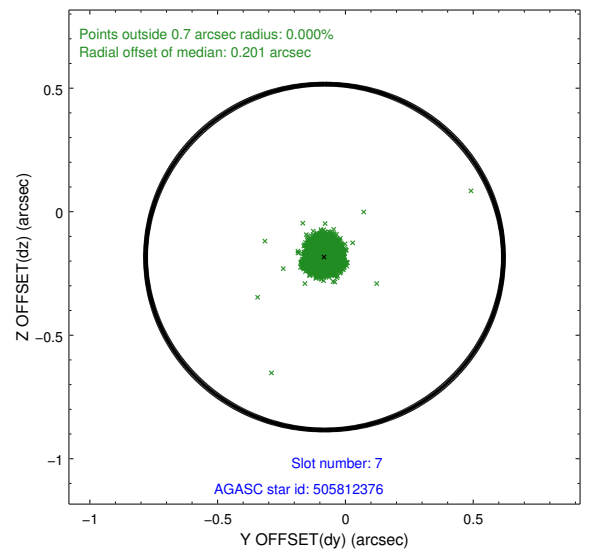
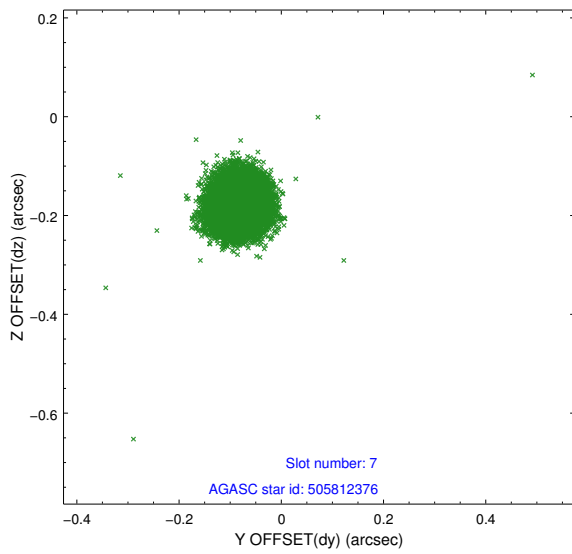
2.4.3 Slot 5



2.4.4 Slot 6

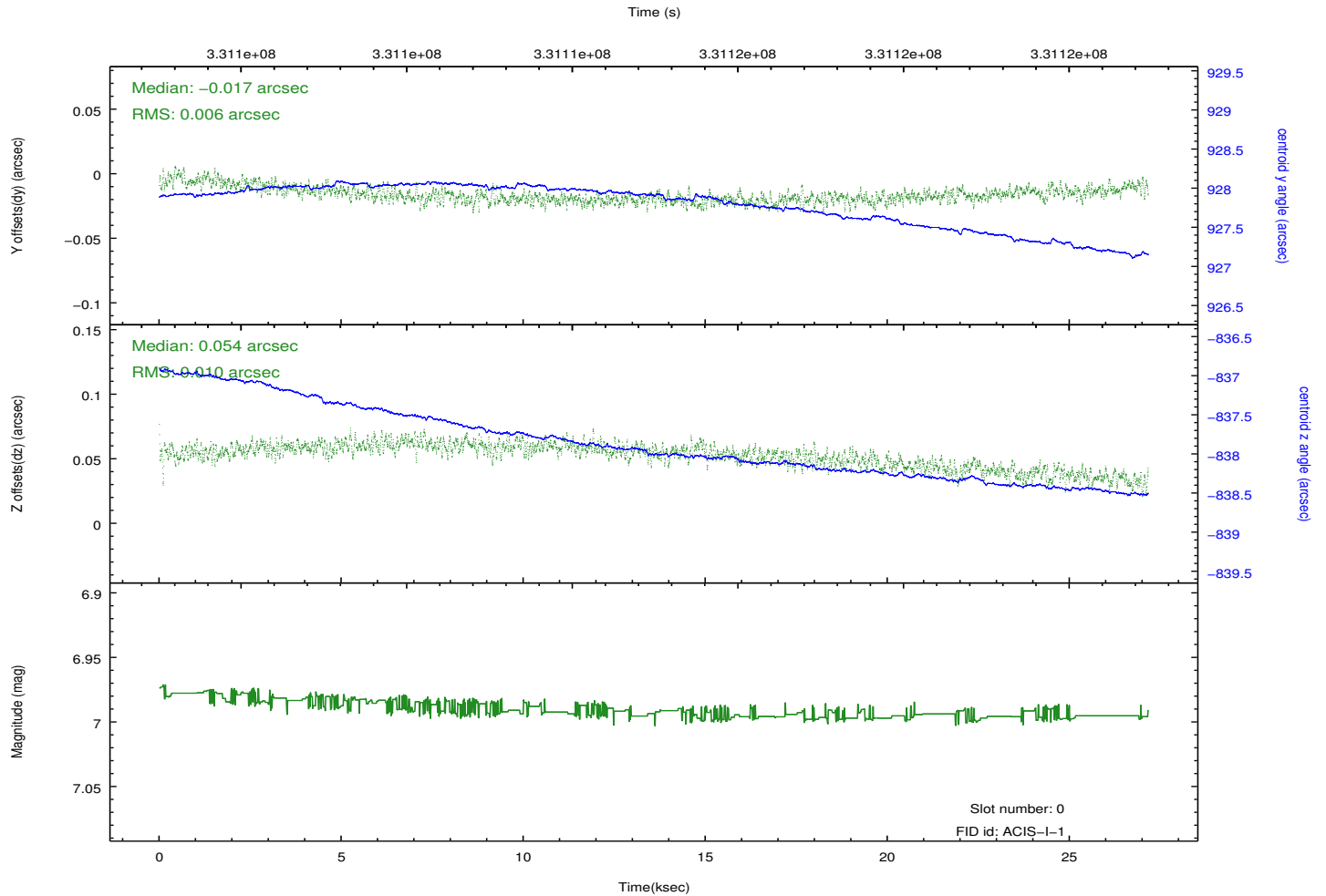
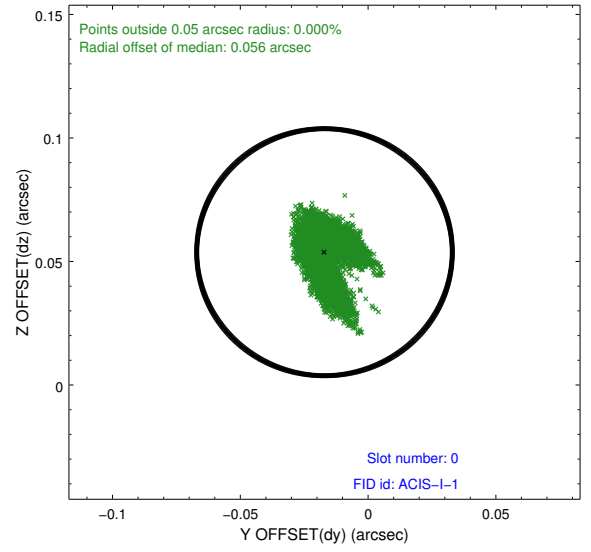
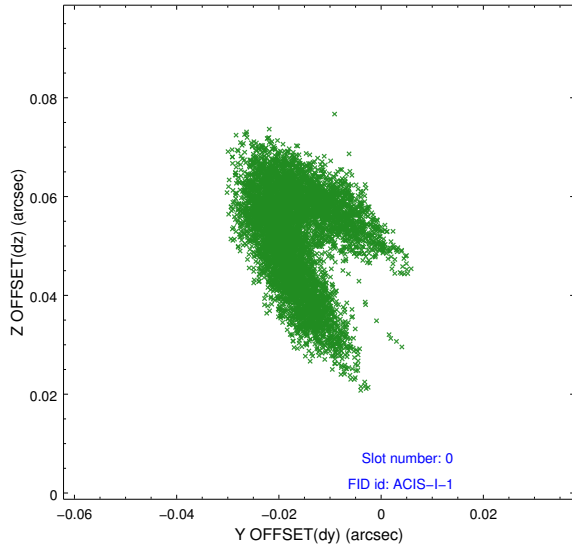


2.4.5 Slot 7

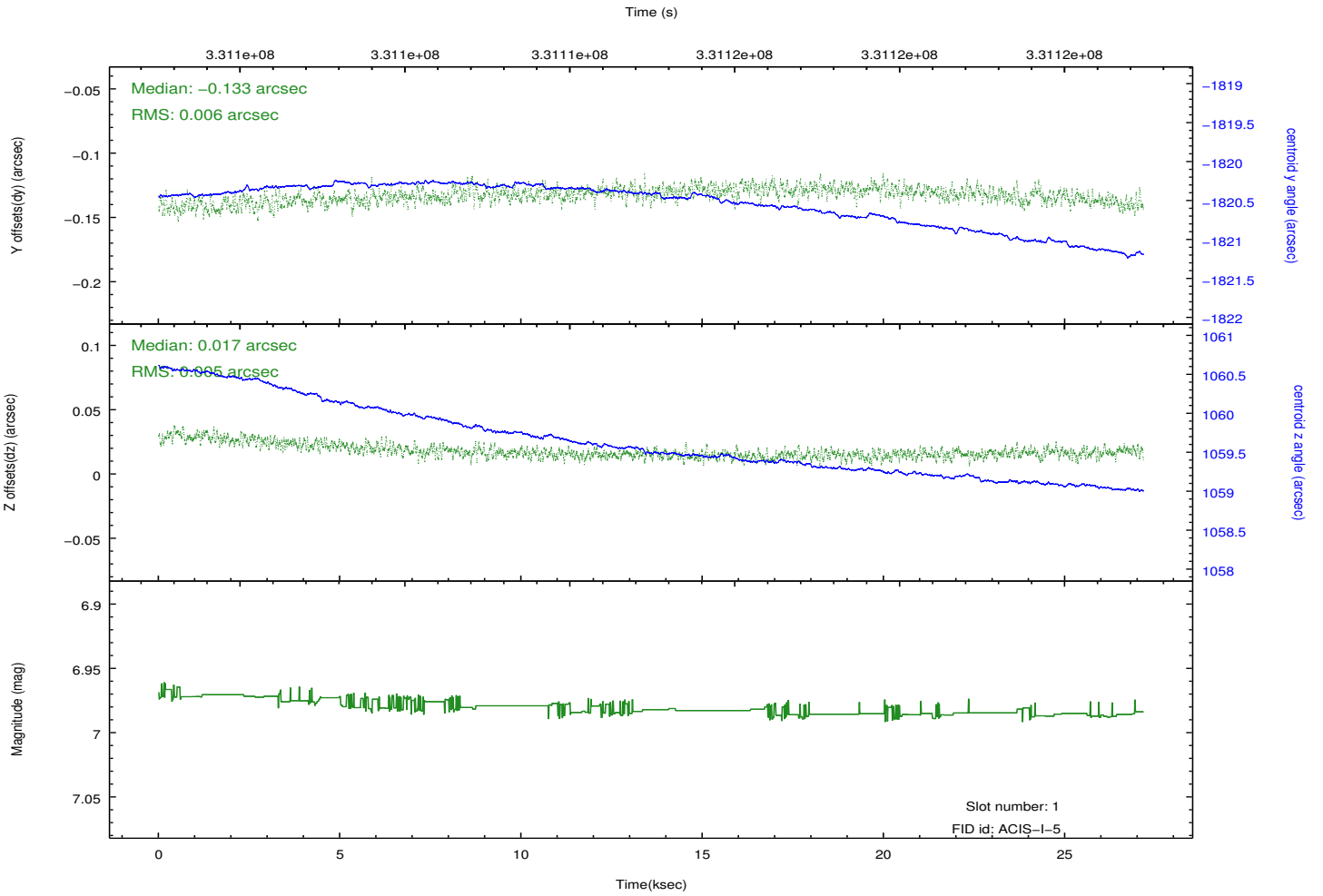
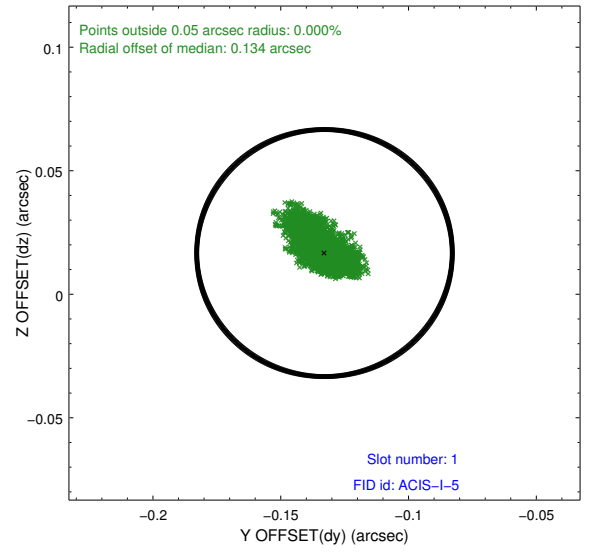
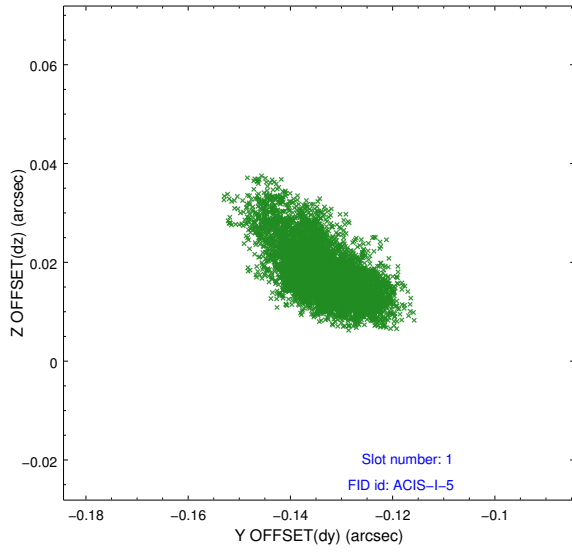


2.5 FID Slots

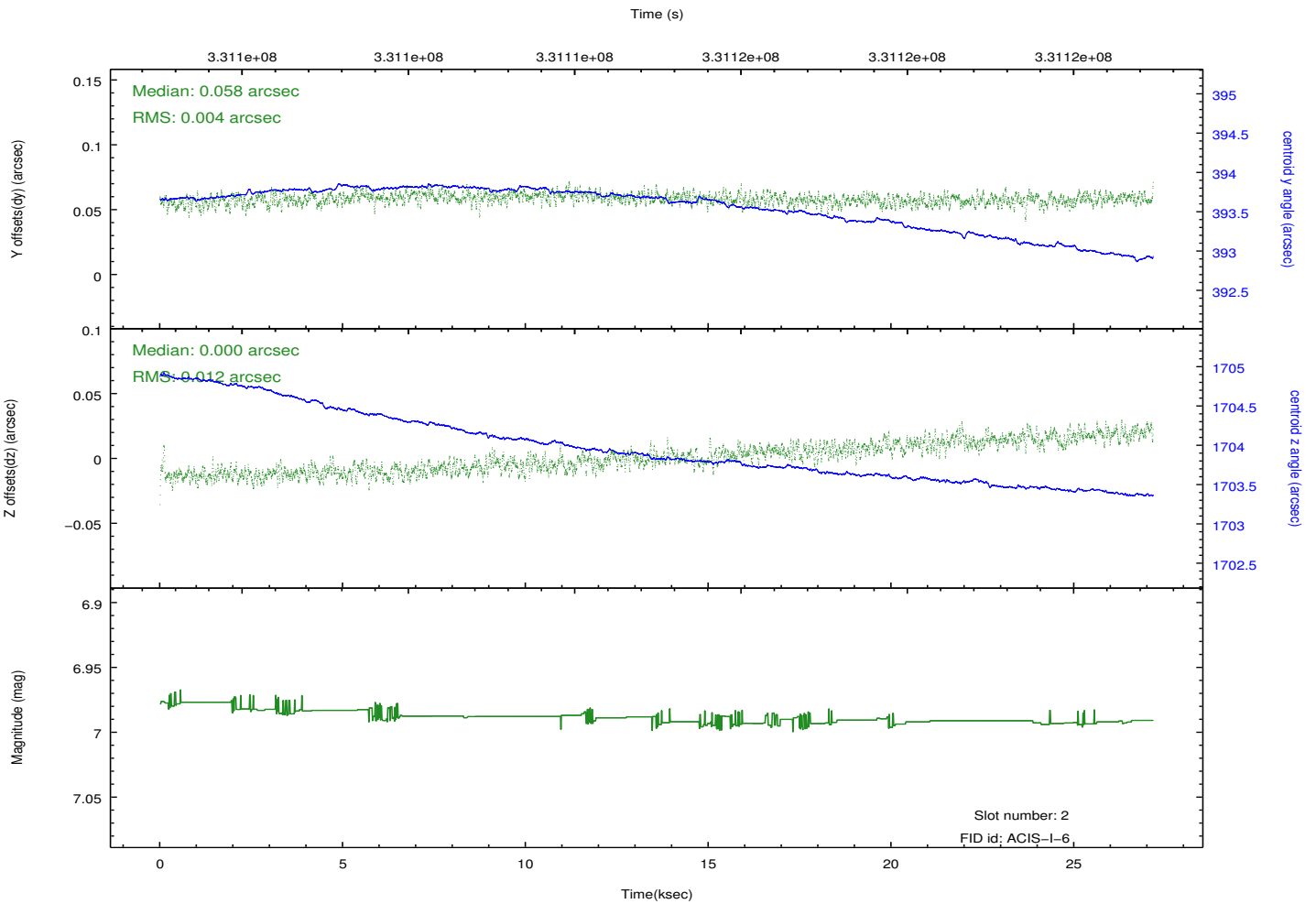
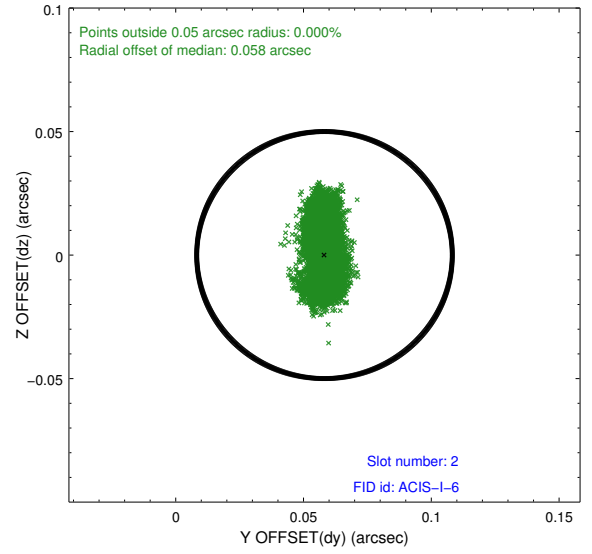
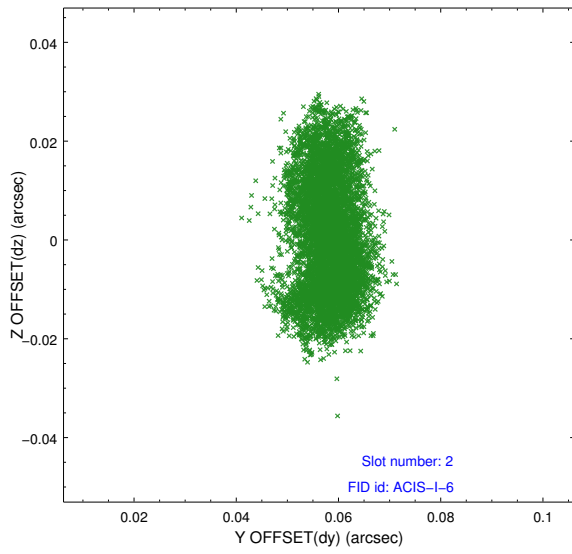
2.5.1 Slot 0



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	27.1560002

A.2 Comments

Joint proposal with Spitzer.
Roll preference met.