

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10769 - L2 Version 2
Chandra X-Ray Center

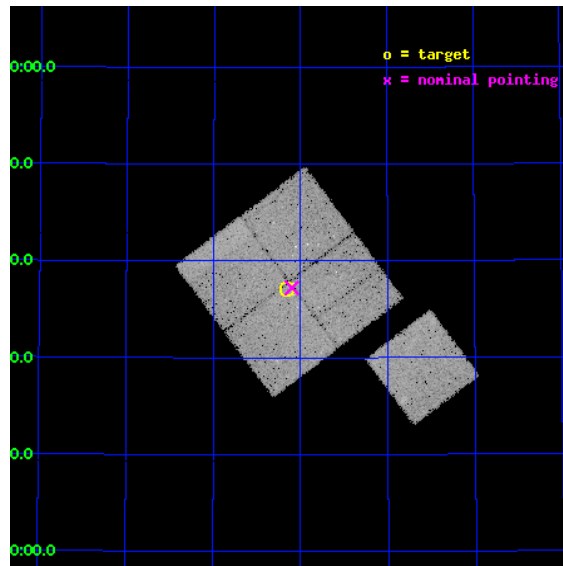
L2 Processing Date : Jun 2 2012

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1 Front

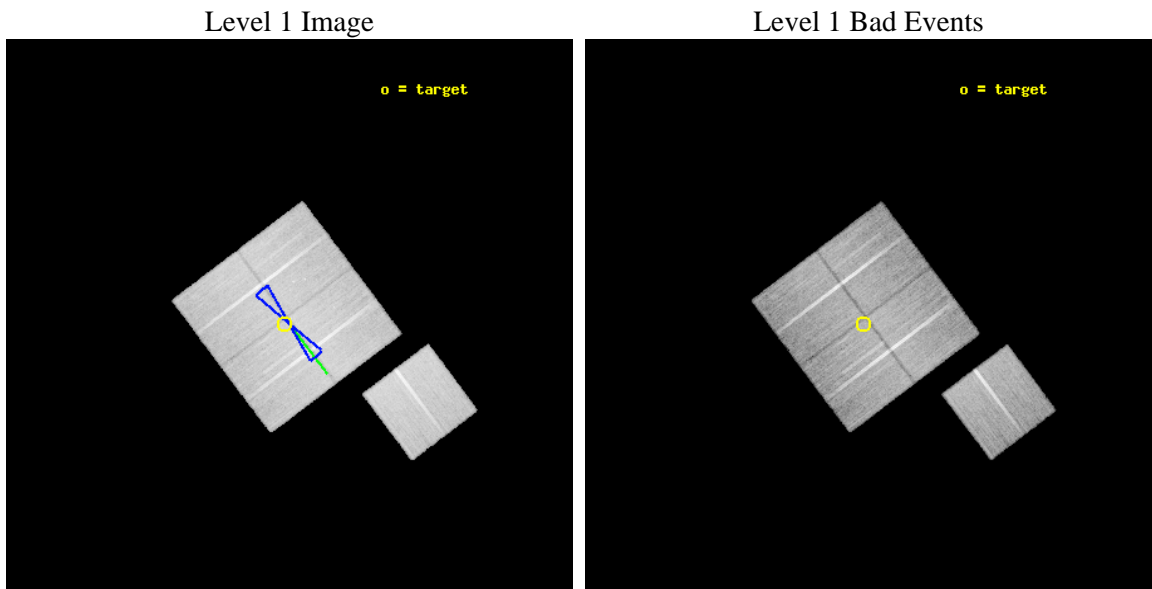
seq_num	900798	Sequence number
obs_id	10769	Observation id
title	The Evolution of Faint AGN at High Redshift	Proposal title
observer	Prof Kirpal Nandra	Principal investigator
object	AEGIS-3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	214.5375	Observer's specified target RA [deg]
dec_targ	52.617889	Observer's specified target Dec [deg]
ra_nom	214.52497010967	Nominal RA [deg]
dec_nom	52.620625524176	Nominal Dec [deg]
roll_nom	143.0186436694	Nominal Roll [deg]
revision	2	Processing version of data
ontime	27038.159197688	Sum of GTIs [s]
livetime	26684.885742567	Livetime [s]
ontime0	27041.300207973	Sum of GTIs [s]
ontime1	27038.159197688	Sum of GTIs [s]
ontime2	27031.877286375	Sum of GTIs [s]
ontime3	27038.159197688	Sum of GTIs [s]
ontime6	27035.018167615	Sum of GTIs [s]
l2events	101252	Number of level 2 events



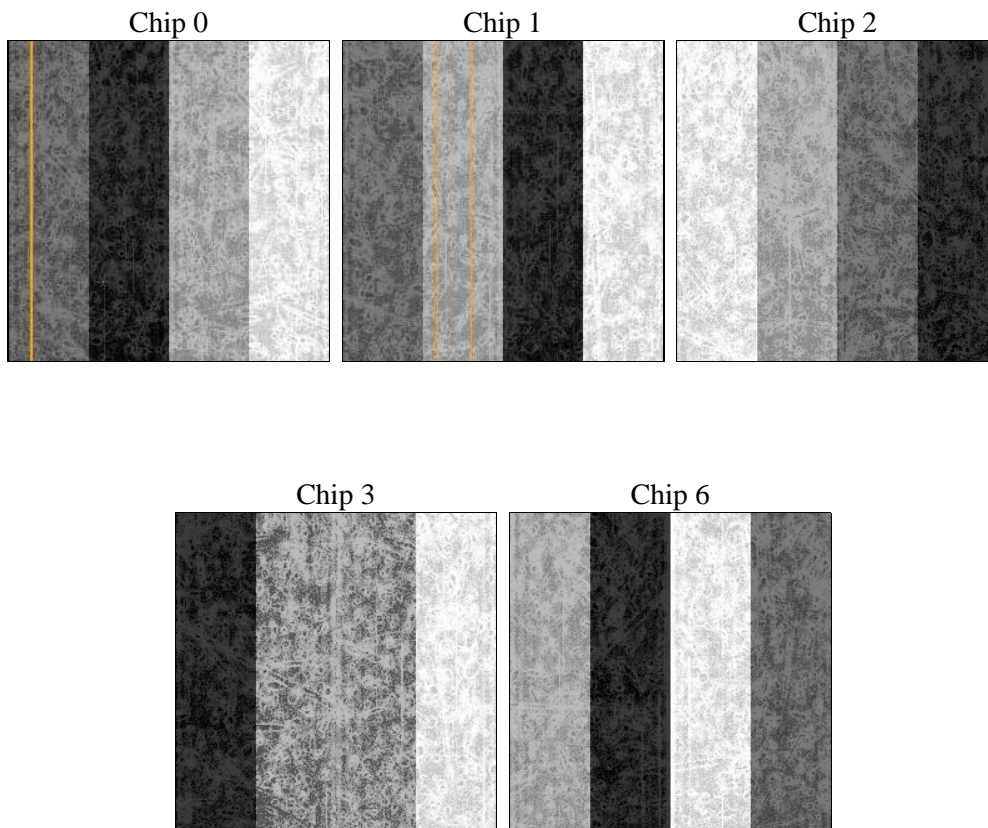
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	27000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	27038.159197688	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	27041.300207973	Sum of GTIs [s]
date	2012-06-02T16:02:59	Date and time of file creation	ontime1	27038.159197688	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	27031.877286375	Sum of GTIs [s]
			ontime3	27038.159197688	Sum of GTIs [s]
			ontime6	27035.018167615	Sum of GTIs [s]
			l1events	1144917	Number of level 1 events

2.1.4 Events

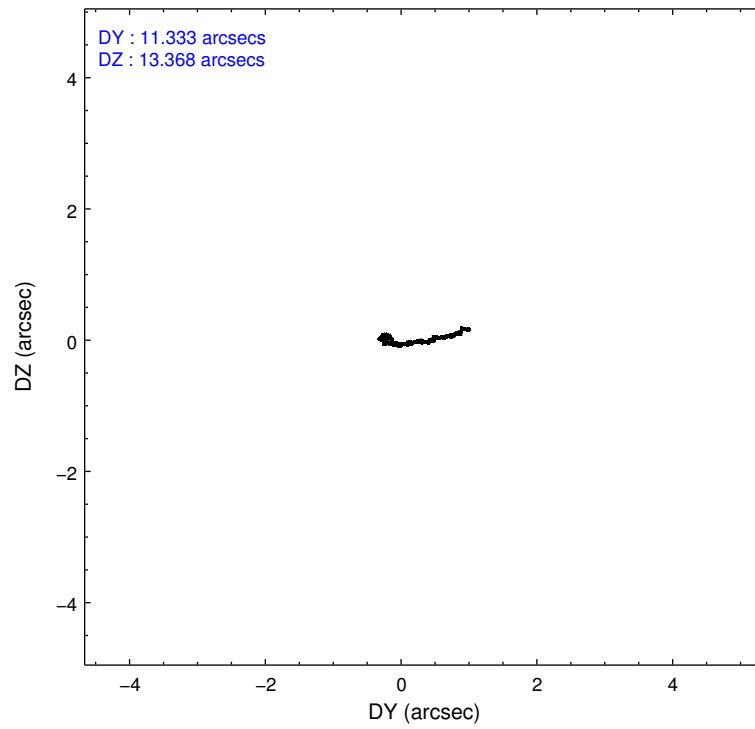
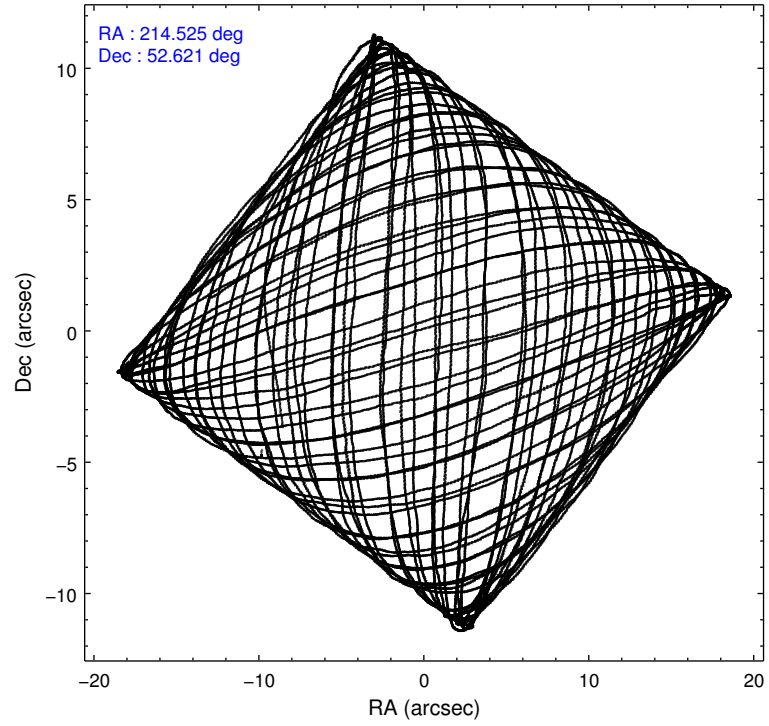
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	221952	216364	241265	227894	237442
rejected events	197456	189834	217423	205377	213240
rejected %	88%	87%	90%	90%	89%

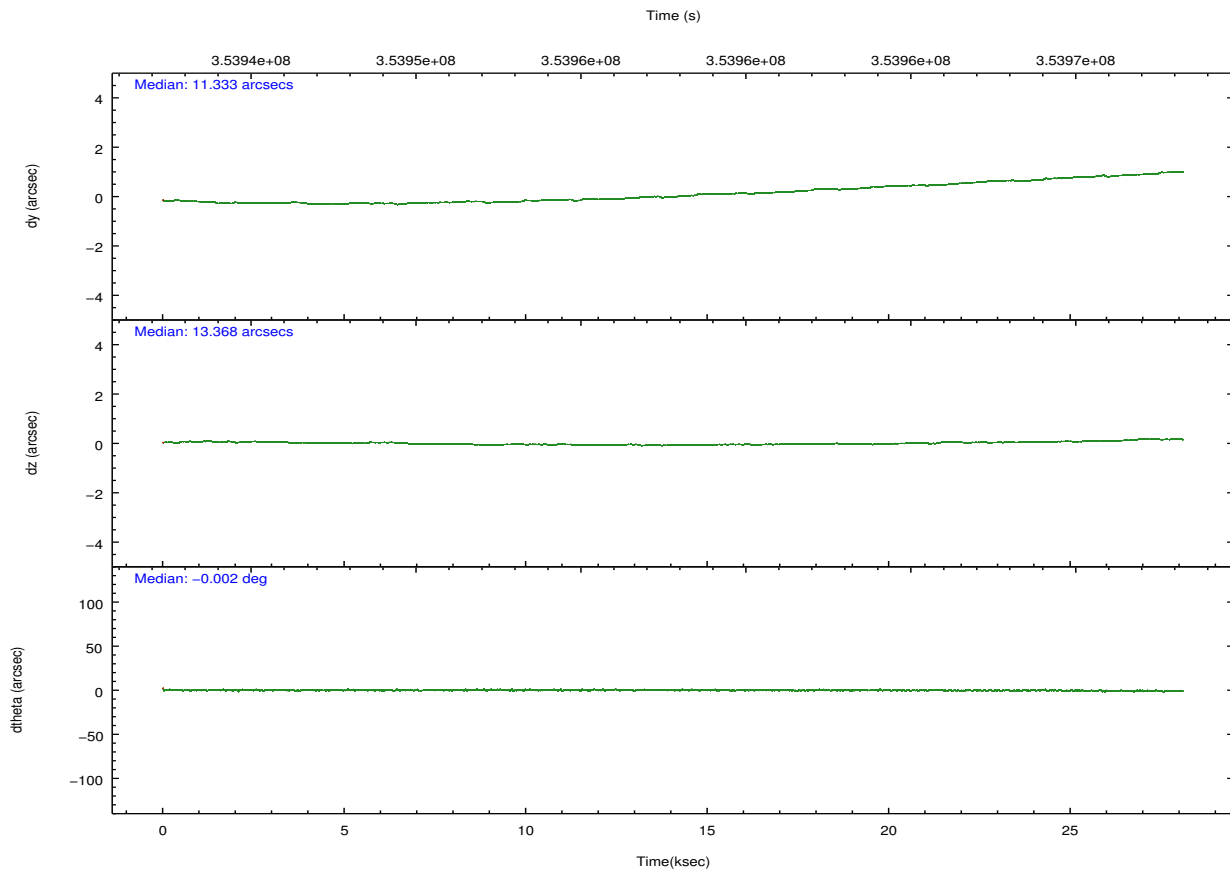
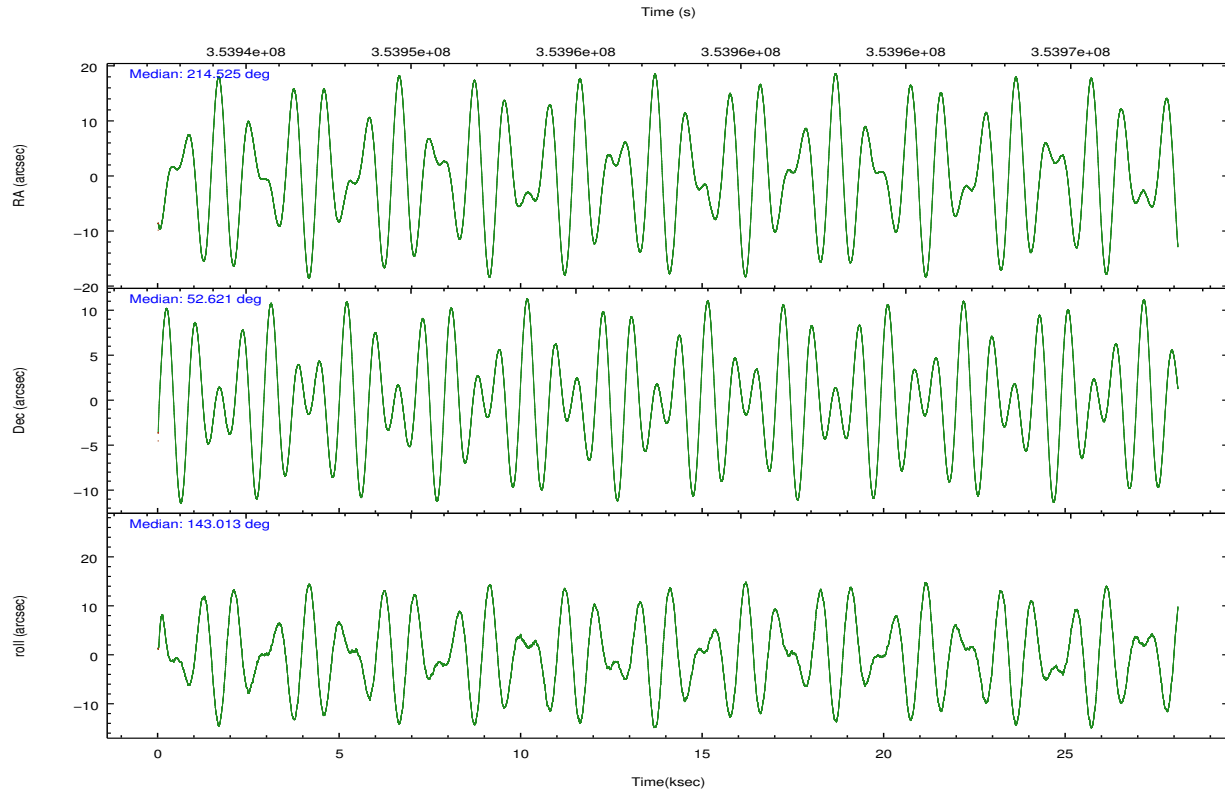
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	8718	9553	8744	7690	8395
	3%	4%	3%	3%	3%
grade 1 events	128	124	123	134	140
	0%	0%	0%	0%	0%
grade 2 events	5893	6077	5624	5086	5435
	2%	2%	2%	2%	2%
grade 3 events	2692	2790	2535	2559	2700
	1%	1%	1%	1%	1%
grade 4 events	2522	2778	2504	2467	2564
	1%	1%	1%	1%	1%
grade 5 events	8643	9392	8370	9919	9659
	3%	4%	3%	4%	4%
grade 6 events	4673	5334	4438	4717	5112
	2%	2%	1%	2%	2%
grade 7 events	188683	180316	208927	195322	203437
	85%	83%	86%	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	214.569945	214.5249701096687	CCD I2 on	Y	Y
[deg] Pointing Dec	52.617377	52.62062552417643	CCD I3 on	Y	Y
[deg] Pointing Roll	142.774212	143.018643669401	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)	353944850.184000	353943069.05916	Subarray requested	NONE	NONE
Observation start date	2009-03-20T13:59:44	2009-03-20T13:31:09	Alternating exposures requested	N	N
[s] Observation end time (MET)	353971850.184000	353972615.71063	[s] Primary exposure time	0.000000	3.1
Observation end date	2009-03-20T21:29:44	2009-03-20T21:43:35			
Read mode	TIMED	TIMED			

2.3 Aspect



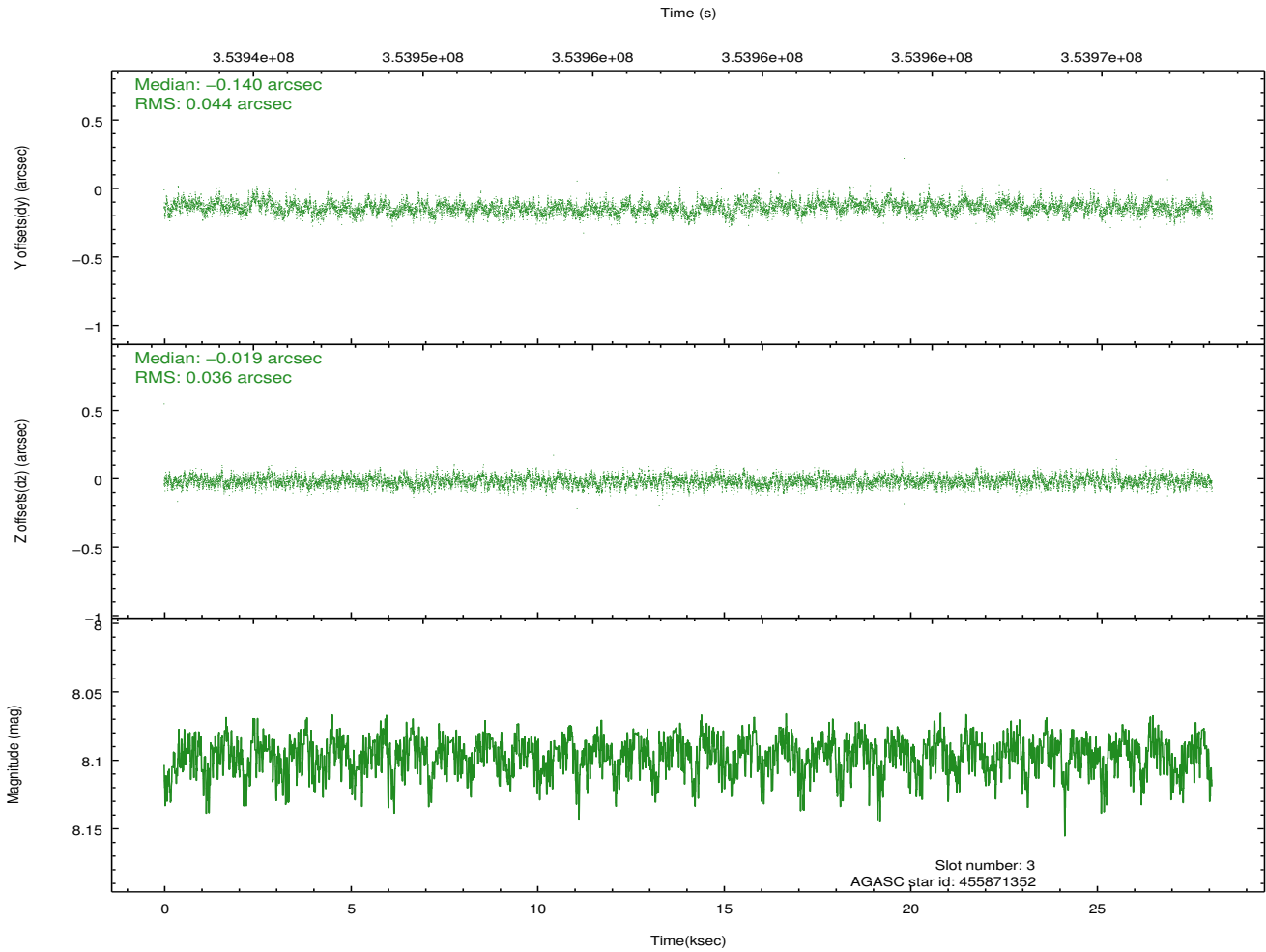
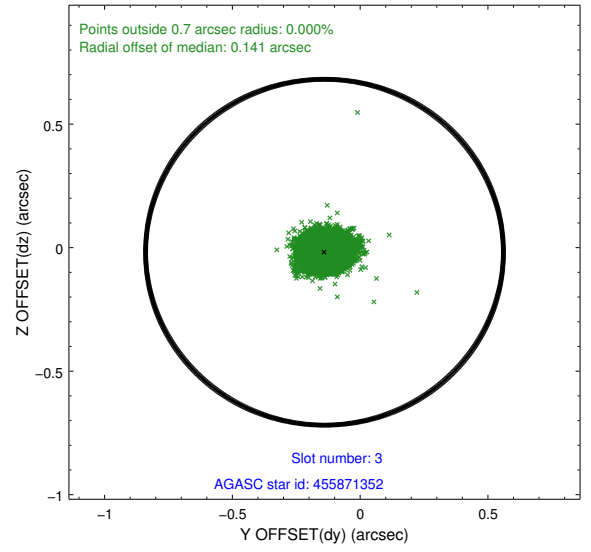
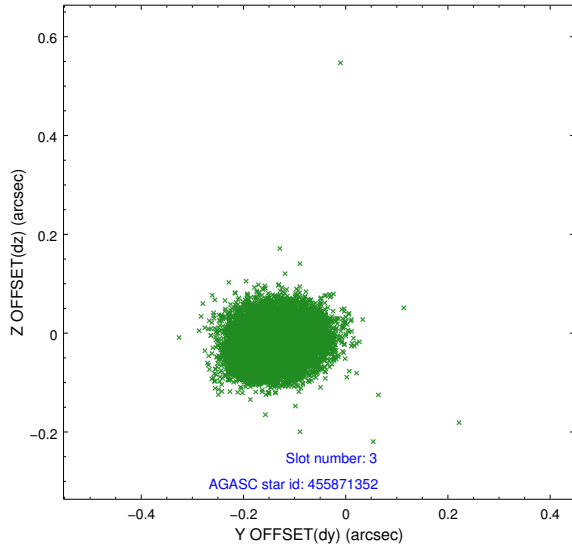


Slot Statistics

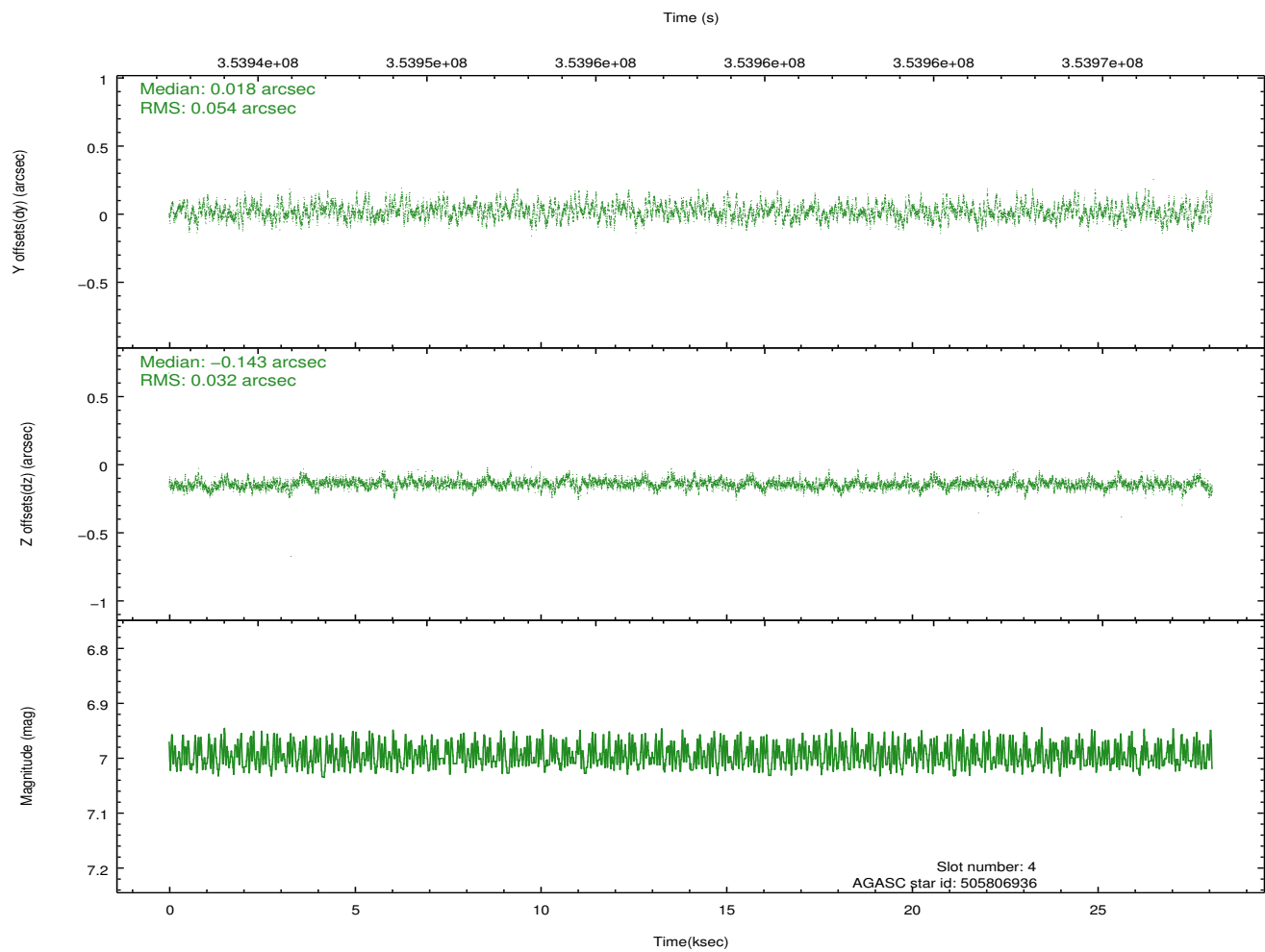
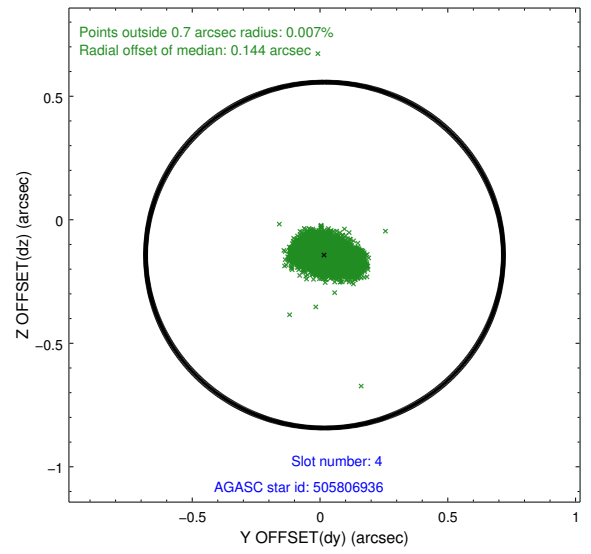
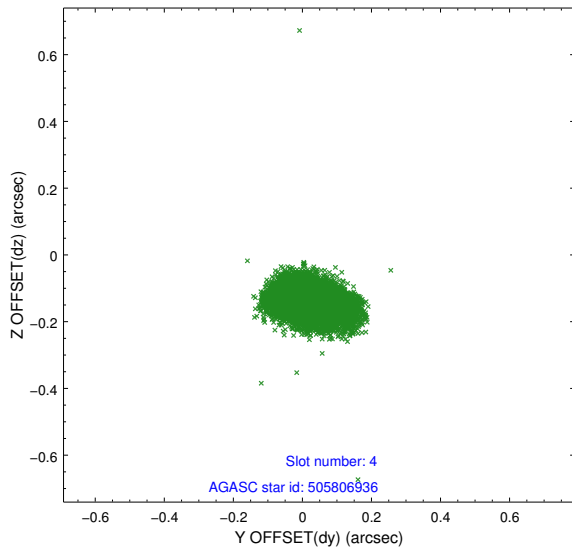
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.04	6852	0.031	0.021	0.013	0.021	0.000000	0.000000	928.12	-836.91
1	FID	ACIS-I-5	7.03	6852	-0.177	0.052	0.014	0.020	0.000000	0.000000	-1820.16	1060.55
2	FID	ACIS-I-6	7.04	6852	0.054	-0.002	0.009	0.015	0.000000	0.000000	393.57	1705.11
3	GUIDE	455871352	8.10	13700	-0.140	-0.019	0.060	0.097	215.099961	52.172669	-1897.65	563.52
4	GUIDE	505806936	7.00	13704	0.018	-0.143	0.064	0.112	213.820815	52.535927	1133.93	1219.34
5	GUIDE	505812088	8.16	13692	0.027	-0.036	0.072	0.114	214.186617	53.263562	2066.37	-1354.23
6	GUIDE	505812376	7.72	13699	0.063	0.142	0.057	0.094	214.039537	52.937930	1617.47	-225.61
7	GUIDE	455870296	7.32	13701	0.028	0.057	0.060	0.101	214.629779	52.033323	-1377.28	1594.19

2.4 Star Slots

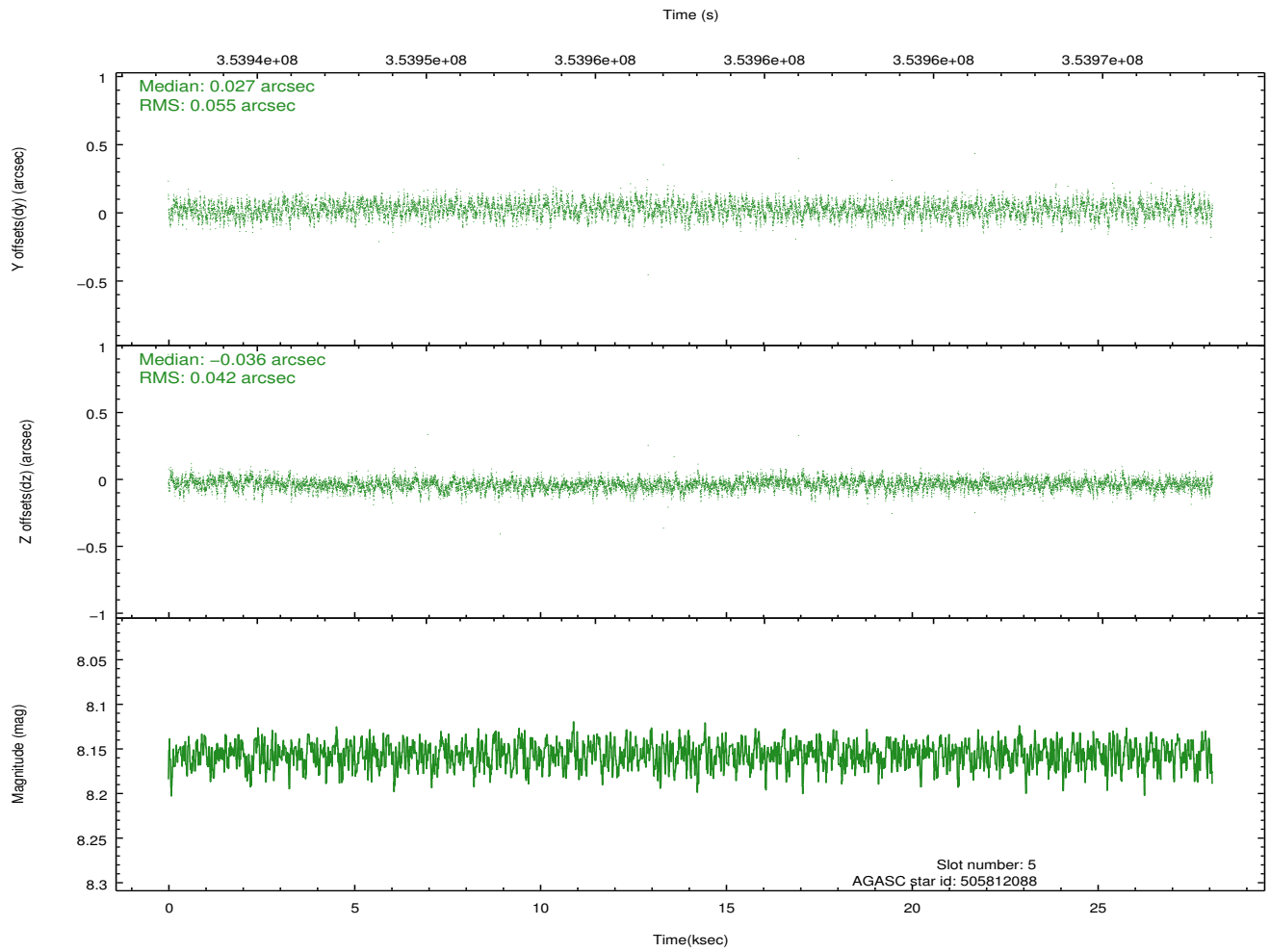
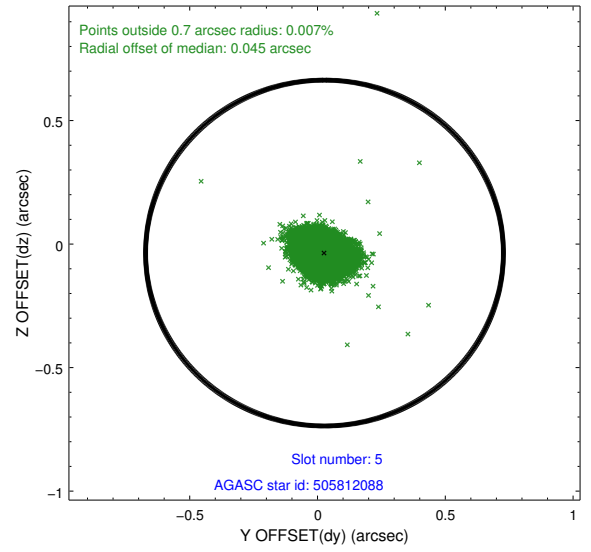
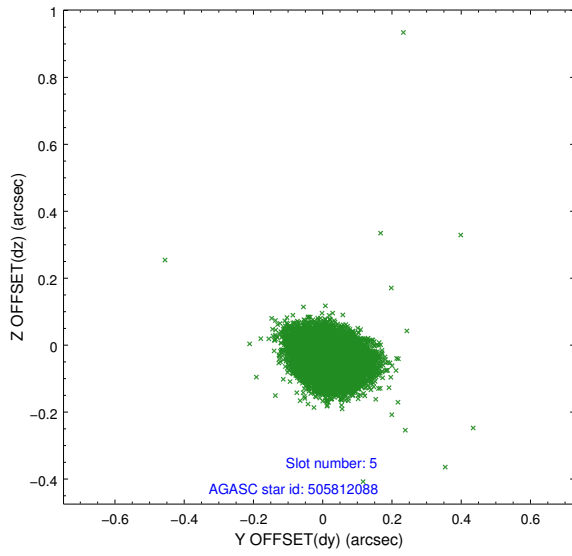
2.4.1 Slot 3



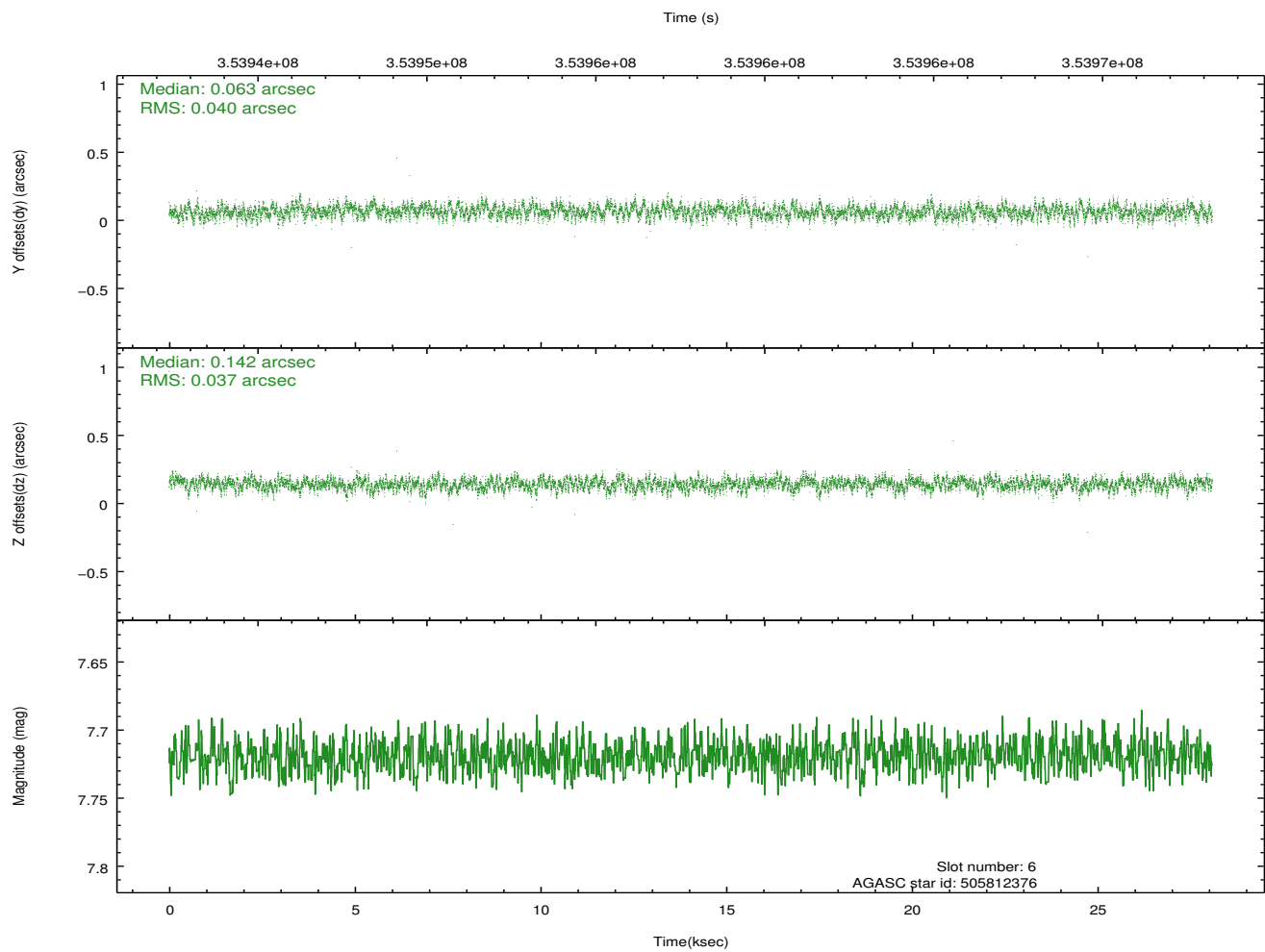
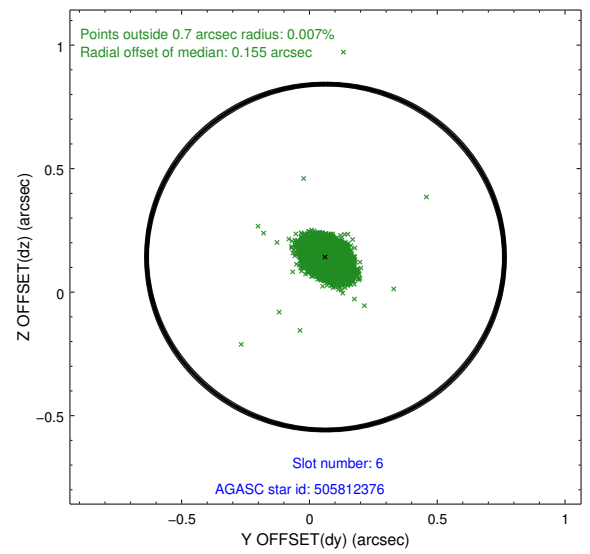
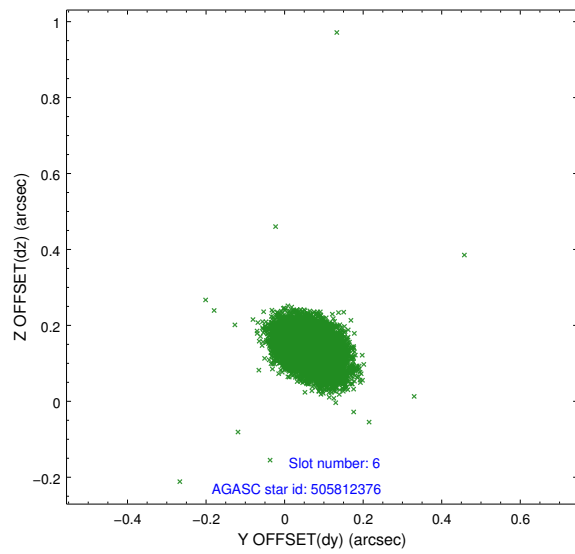
2.4.2 Slot 4



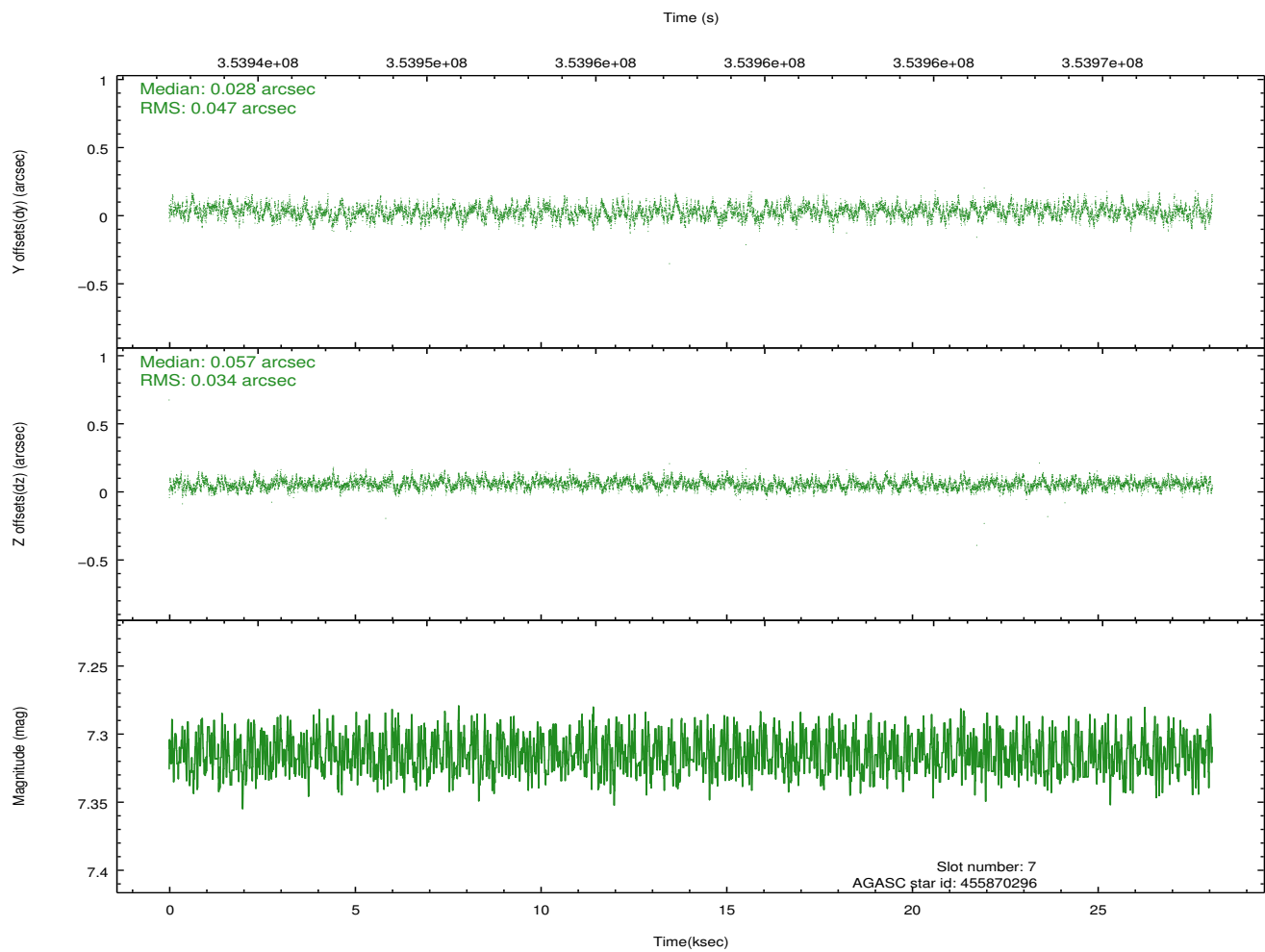
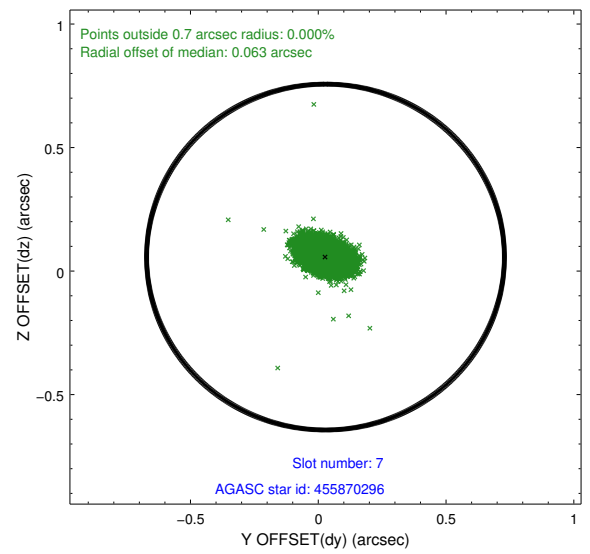
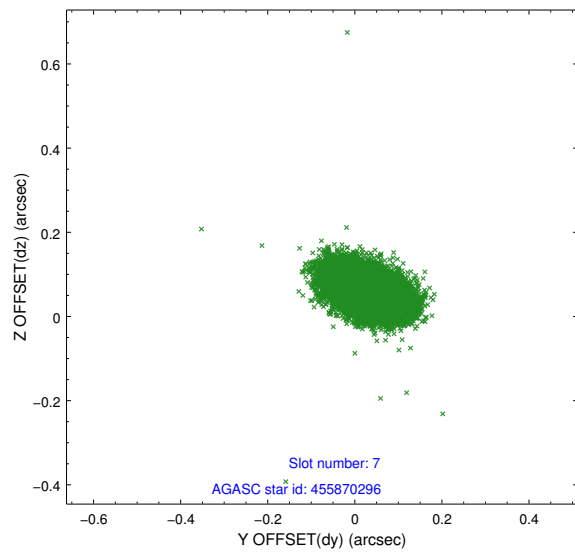
2.4.3 Slot 5



2.4.4 Slot 6

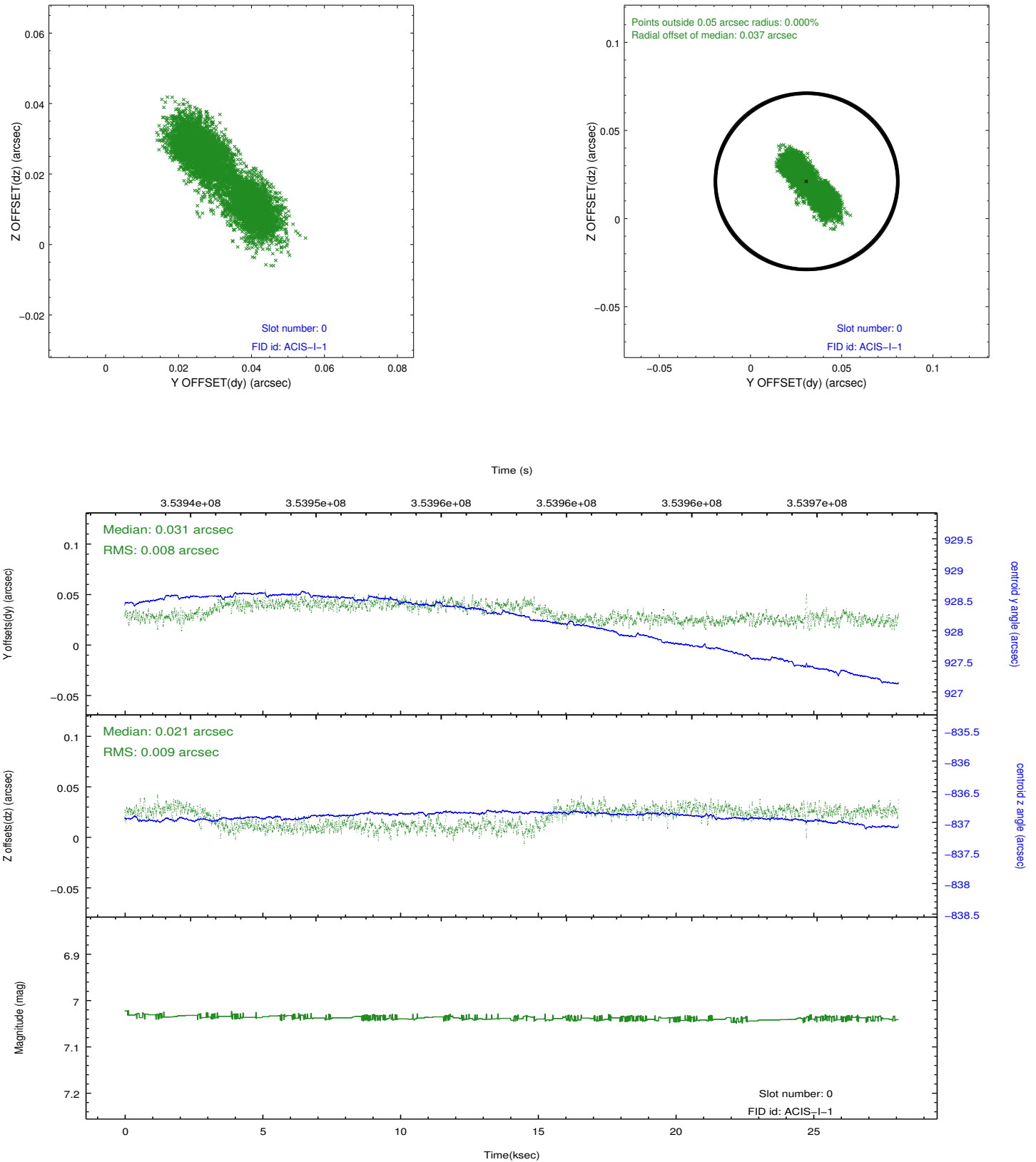


2.4.5 Slot 7

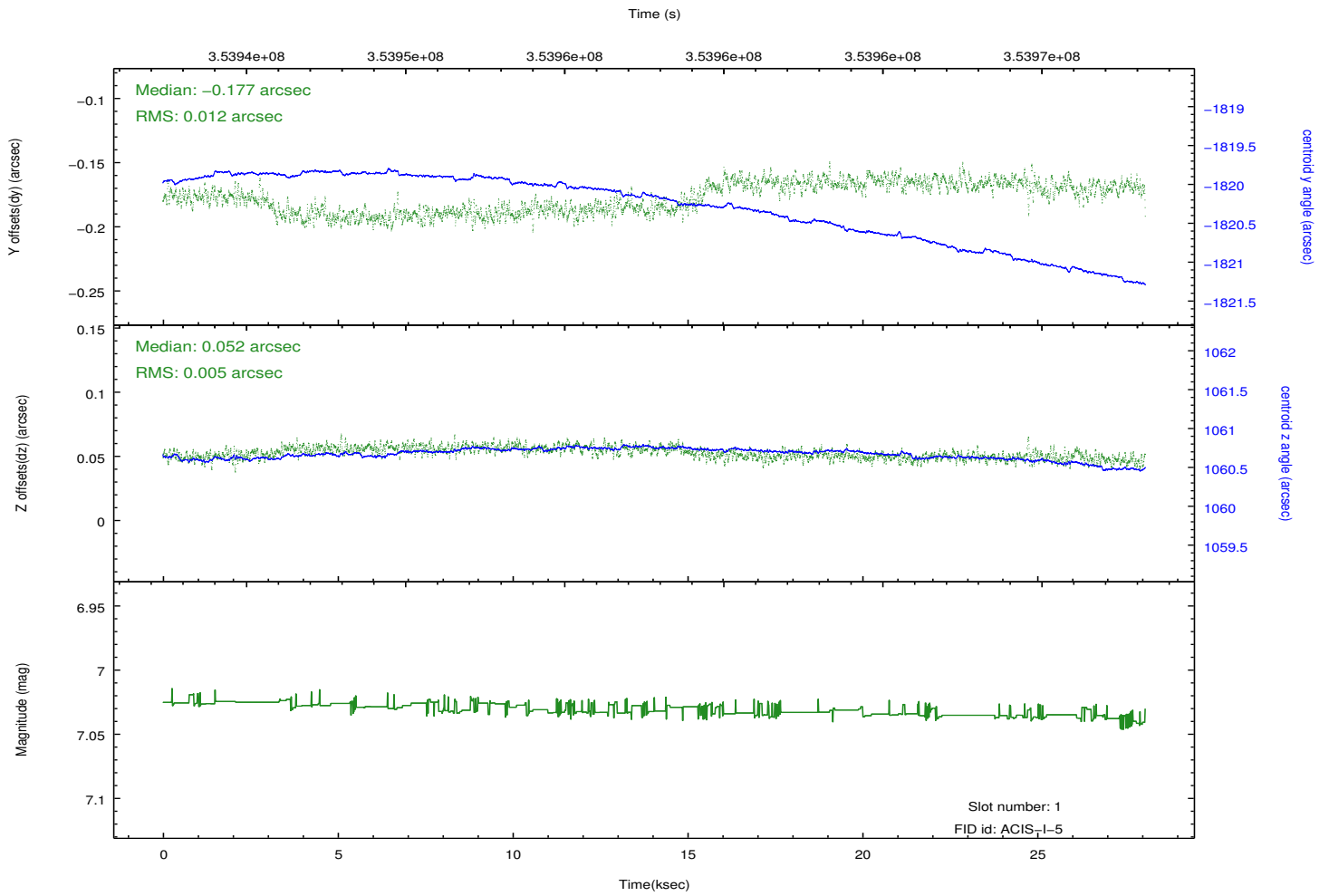
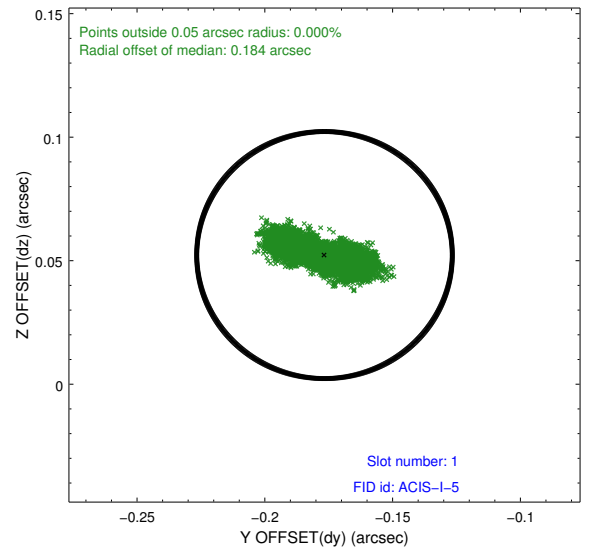
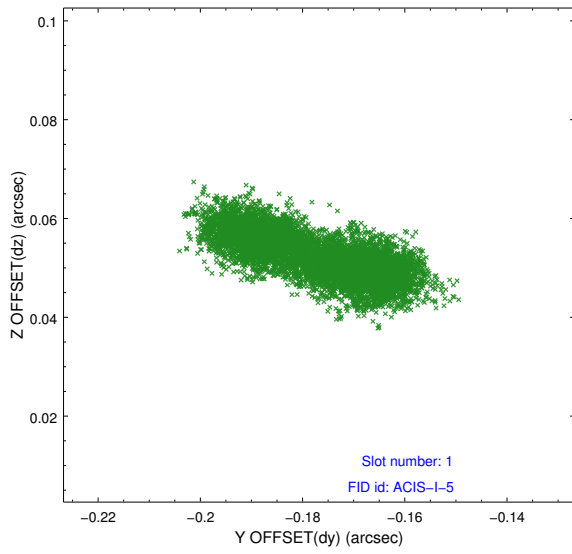


2.5 FID Slots

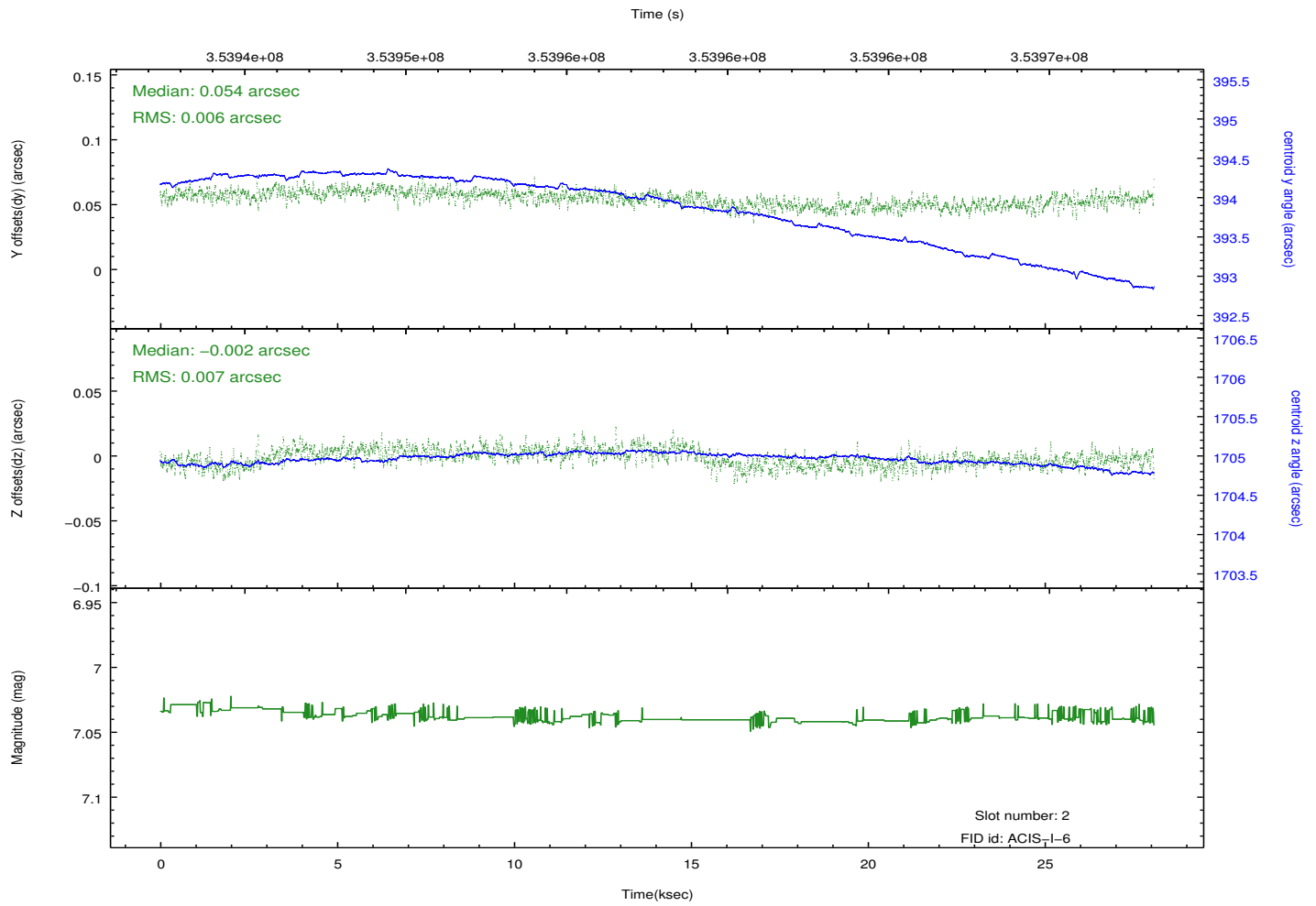
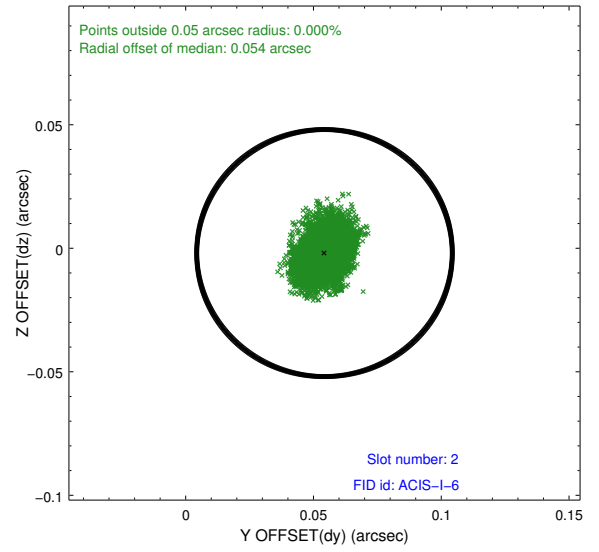
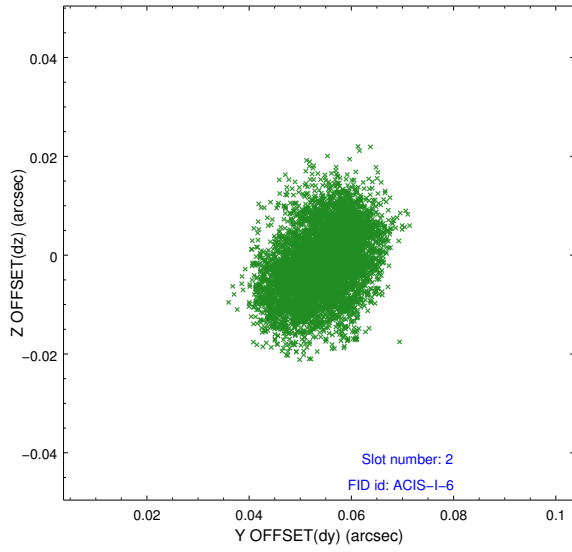
2.5.1 Slot 0



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)	2012.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	27.0381591

A.2 Comments

Joint proposal with Spitzer.

Roll preference met.