

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10797 - L2 Version 2
Chandra X-Ray Center

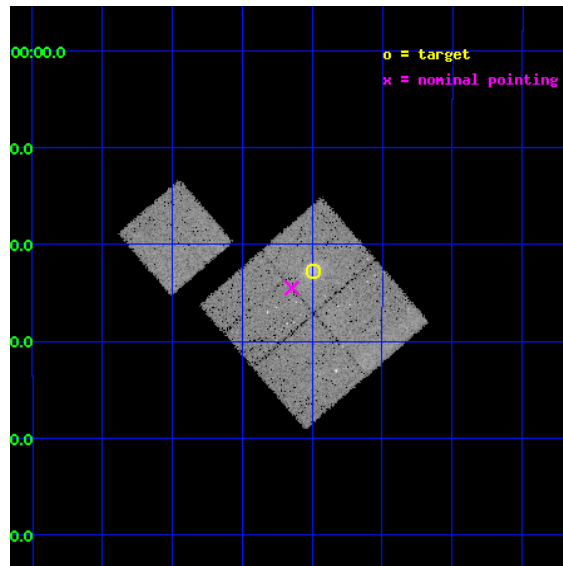
L2 Processing Date : May 25 2012

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1 Front

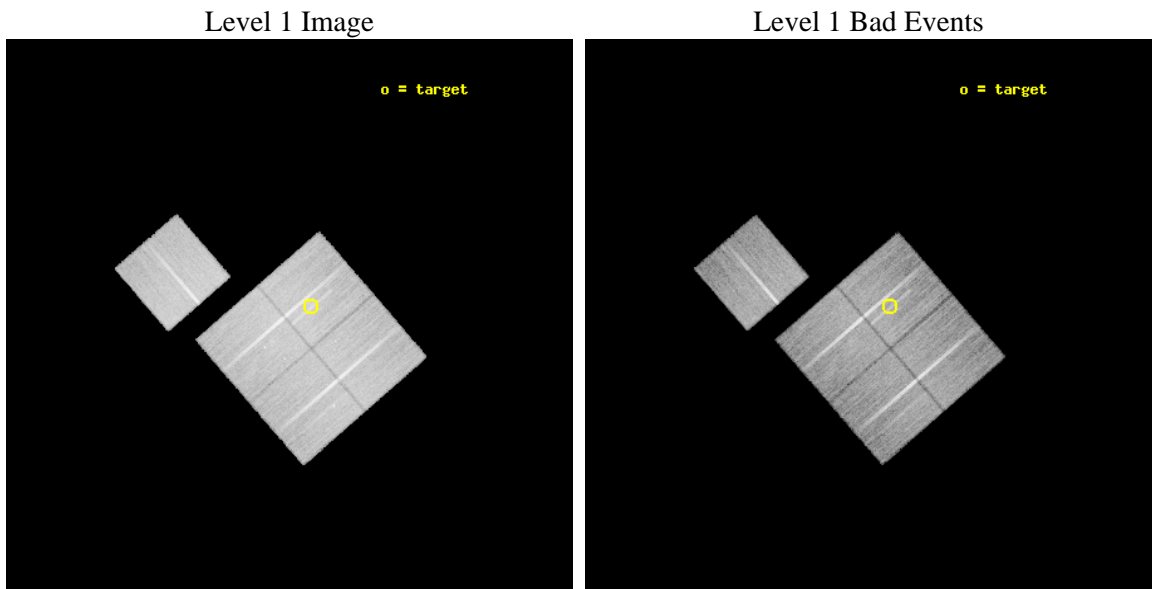
seq_num	800774	Sequence number
obs_id	10797	Observation id
title	Mapping Dark Matter in the Merging Cluster MACSJ0025.4	Proposal ti
observer	Dr Roger Morris	Principal investigator
object	MACSJ0025.4-1222	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	6.374167	Observer's specified target RA [deg]
dec_targ	-12.379722	Observer's specified target Dec [deg]
ra_nom	6.4113061207818	Nominal RA [deg]
dec_nom	-12.408204029079	Nominal Dec [deg]
roll_nom	319.05518507709	Nominal Roll [deg]
revision	2	Processing version of data
ontime	24167.559195638	Sum of GTIs [s]
livetime	23851.792242848	Livetime [s]
ontime0	24170.700185895	Sum of GTIs [s]
ontime1	24170.700185895	Sum of GTIs [s]
ontime2	24167.559185565	Sum of GTIs [s]
ontime3	24167.559195638	Sum of GTIs [s]
ontime6	24167.559205532	Sum of GTIs [s]
l2events	88733	Number of level 2 events



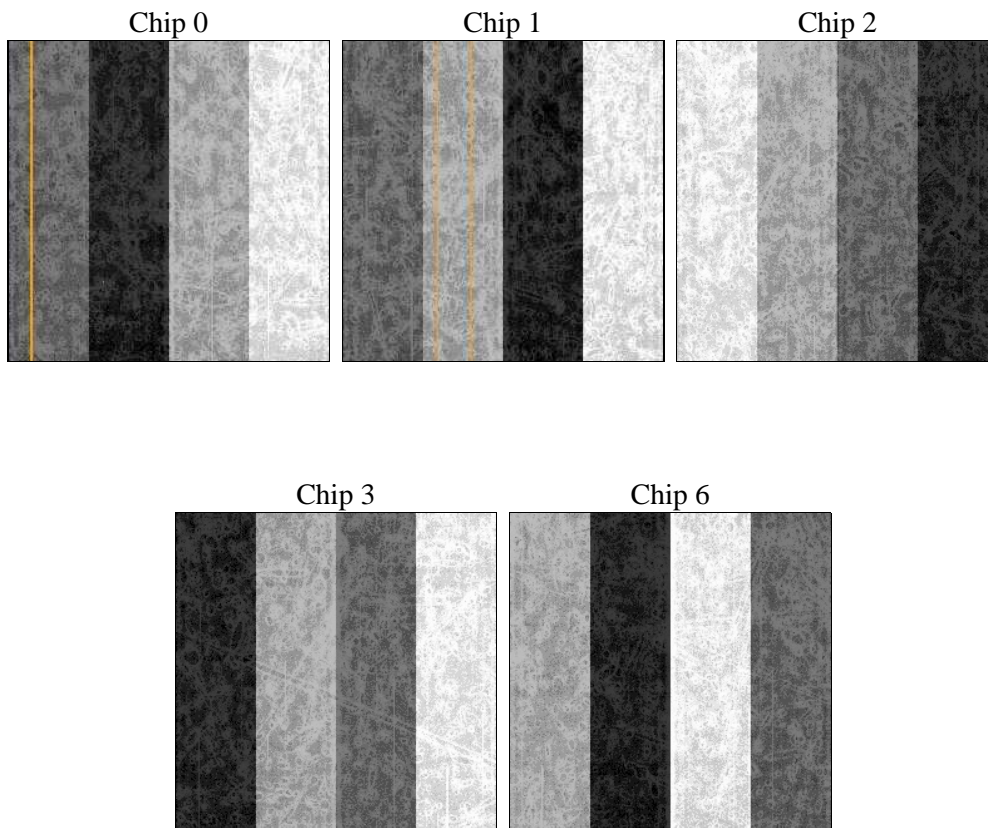
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	24000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	24167.559195638	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	24170.700185895	Sum of GTIs [s]
date	2012-05-25T04:50:27	Date and time of file creation	ontime1	24170.700185895	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	24167.559185565	Sum of GTIs [s]
			ontime3	24167.559195638	Sum of GTIs [s]
			ontime6	24167.559205532	Sum of GTIs [s]
			l1events	1052692	Number of level 1 events

2.1.4 Events

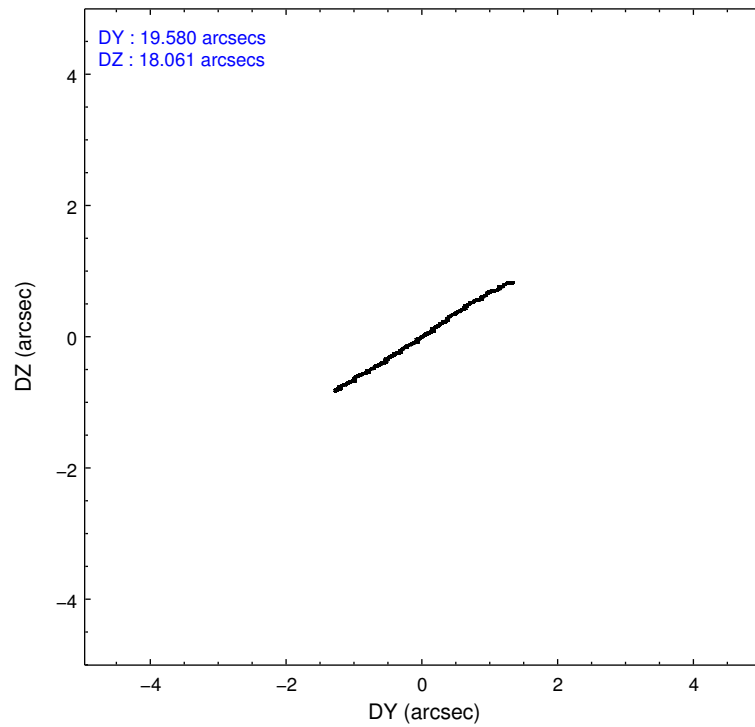
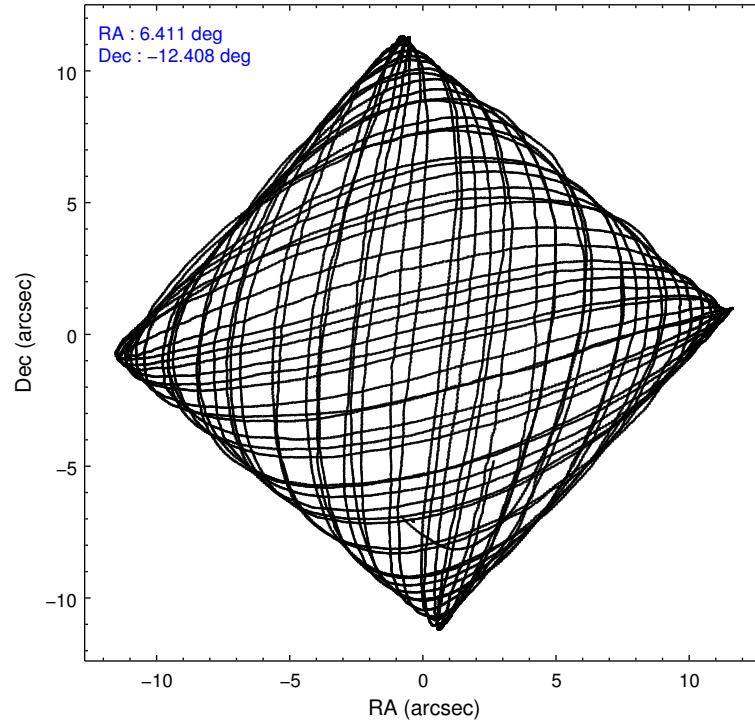
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	198435	199601	218685	218826	217145
rejected events	177821	176530	198448	197270	196484
rejected %	89%	88%	90%	90%	90%

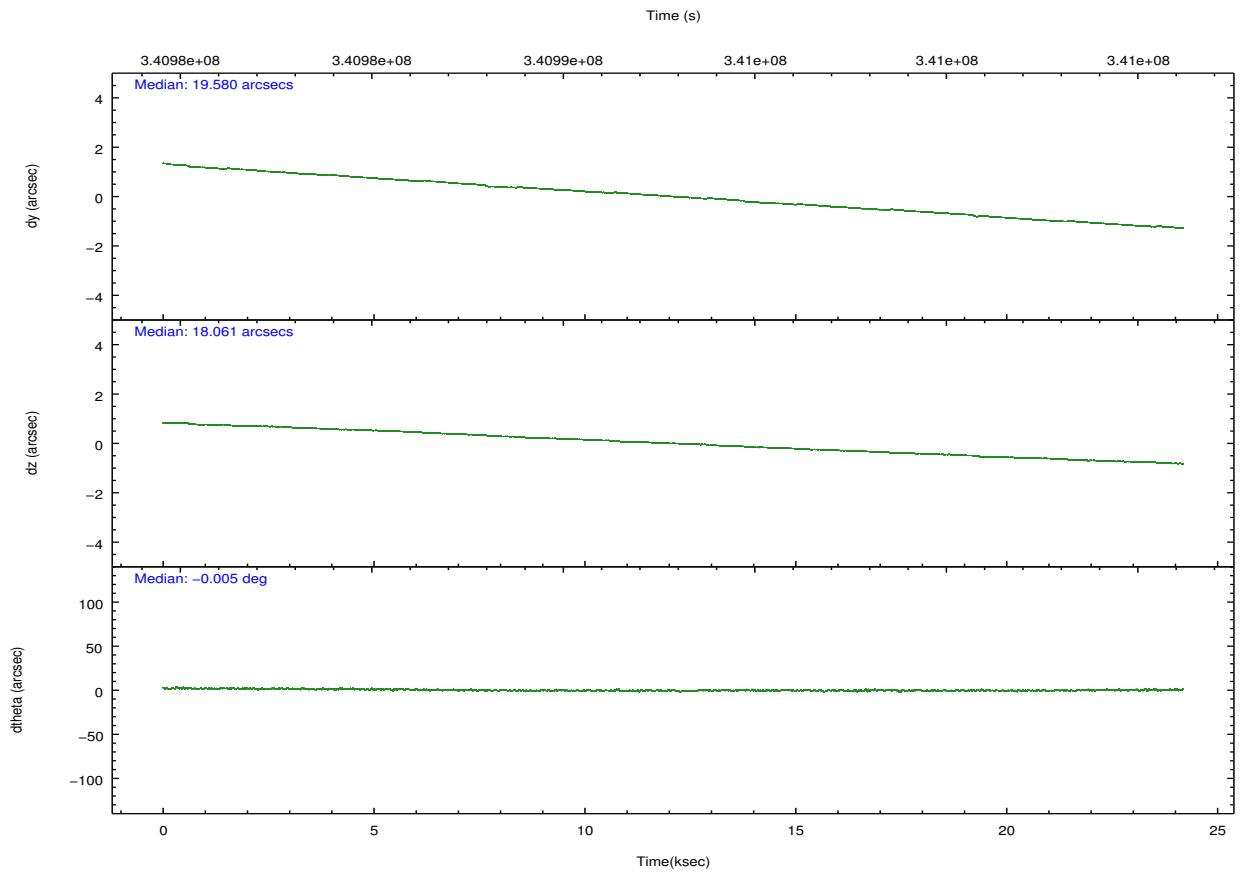
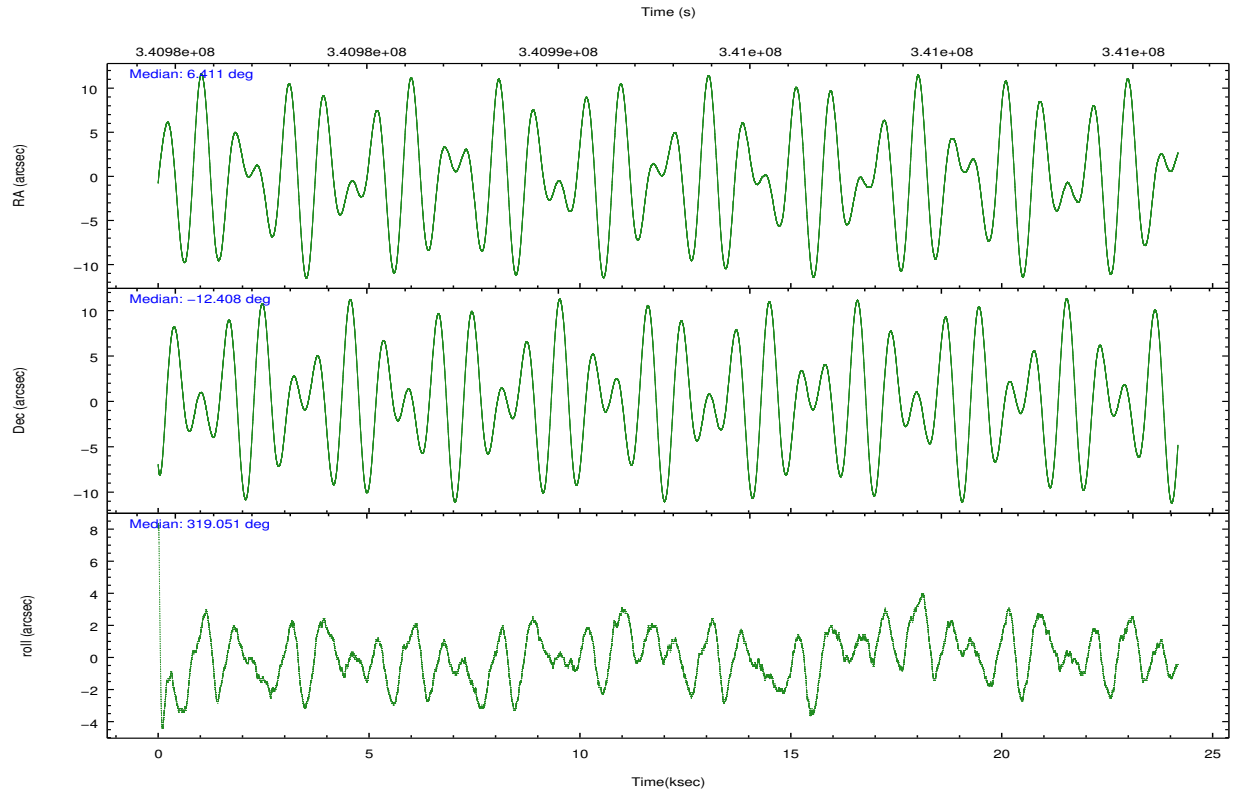
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	7506	8897	8007	9288	7513
	3%	4%	3%	4%	3%
grade 1 events	113	108	124	145	96
	0%	0%	0%	0%	0%
grade 2 events	5355	5559	5006	4850	4858
	2%	2%	2%	2%	2%
grade 3 events	2477	2612	2240	2276	2403
	1%	1%	1%	1%	1%
grade 4 events	2303	2525	2299	2321	2361
	1%	1%	1%	1%	1%
grade 5 events	7494	8442	7101	8904	8553
	3%	4%	3%	4%	3%
grade 6 events	4278	4911	3932	4081	4860
	2%	2%	1%	1%	2%
grade 7 events	168909	166547	189976	186961	186501
	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	6.383630	6.411306120781774	CCD I2 on	Y	Y
[deg] Pointing Dec	-12.403076	-12.40820402907945	CCD I3 on	Y	Y
[deg] Pointing Roll	318.840548	319.0551850770874	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-225.532463	-225.5215109734242	CCD S3 on	N	N
[mm] SIM translation stage offset	-8.06	-8.070942029505488	CCD S4 on	N	N
[s] Observation start time (MET)	340980945.184000	340979184.1177	CCD S5 on	N	N
Observation start date	2008-10-21T12:54:40	2008-10-21T12:26:24	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	341004945.184000	341005959.68152	On-chip summing requested	N	N
Observation end date	2008-10-21T19:34:40	2008-10-21T19:52:39	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



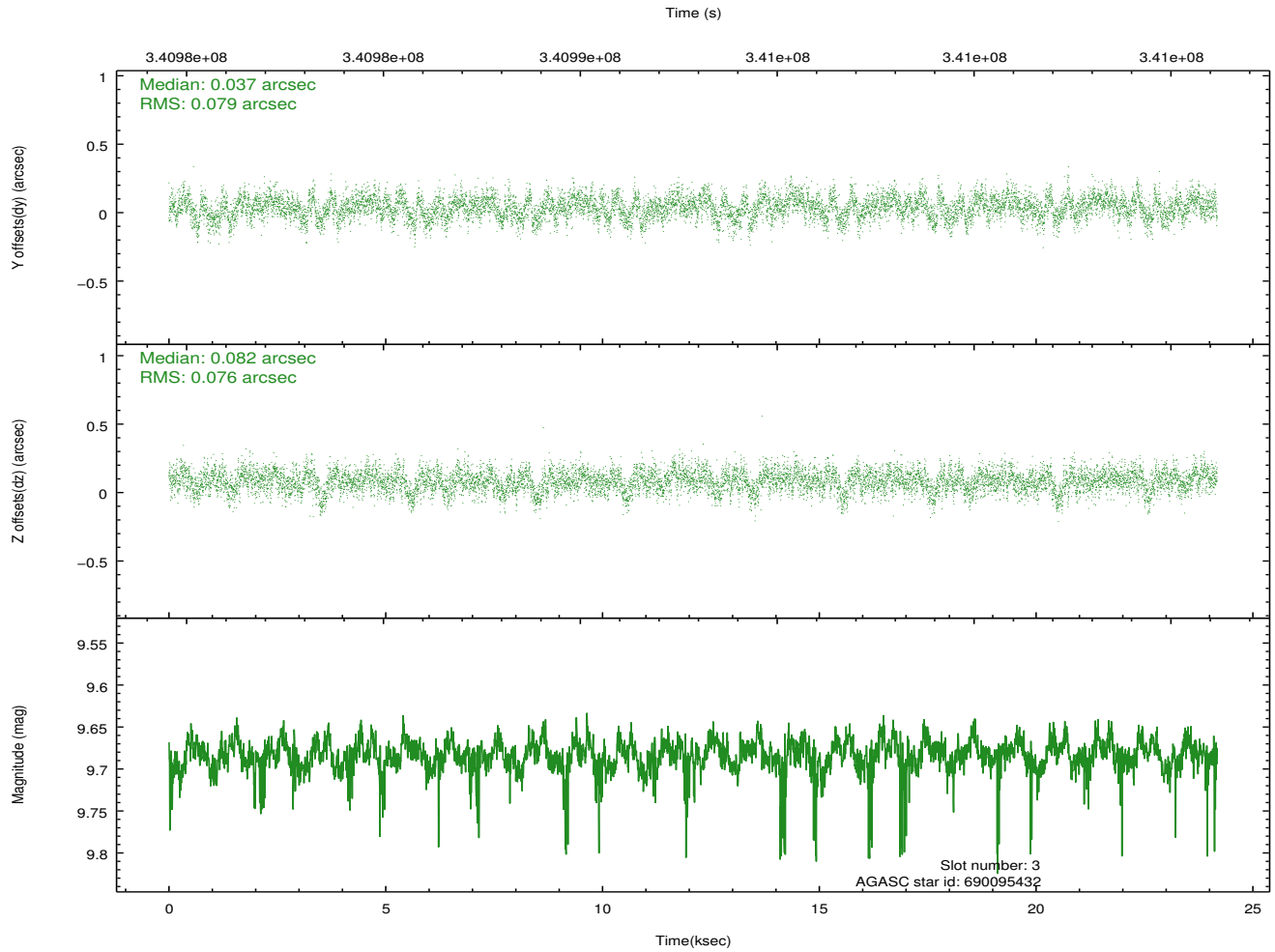
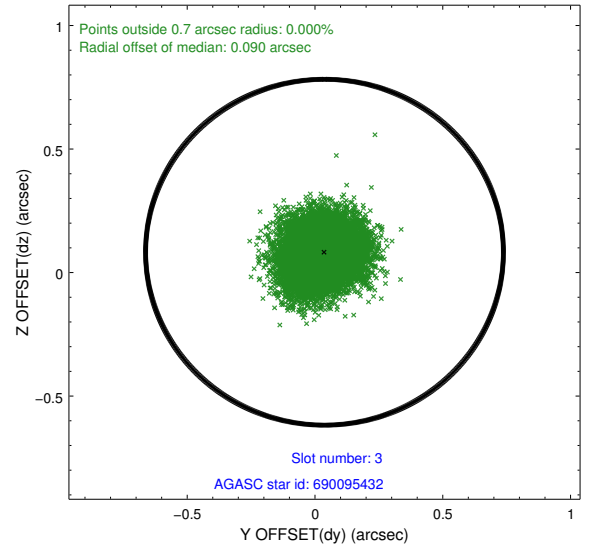
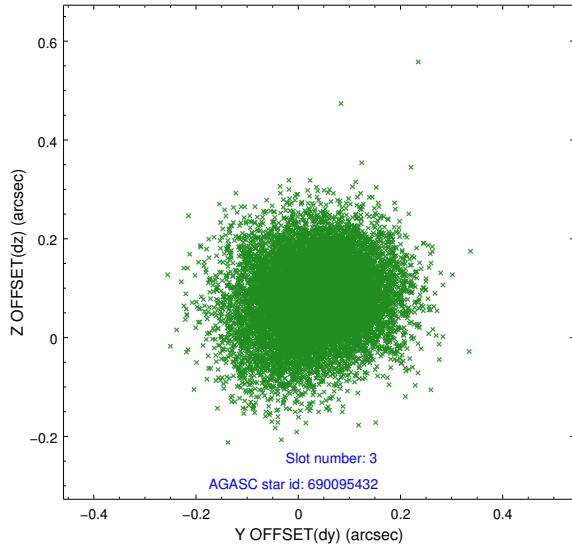


Slot Statistics

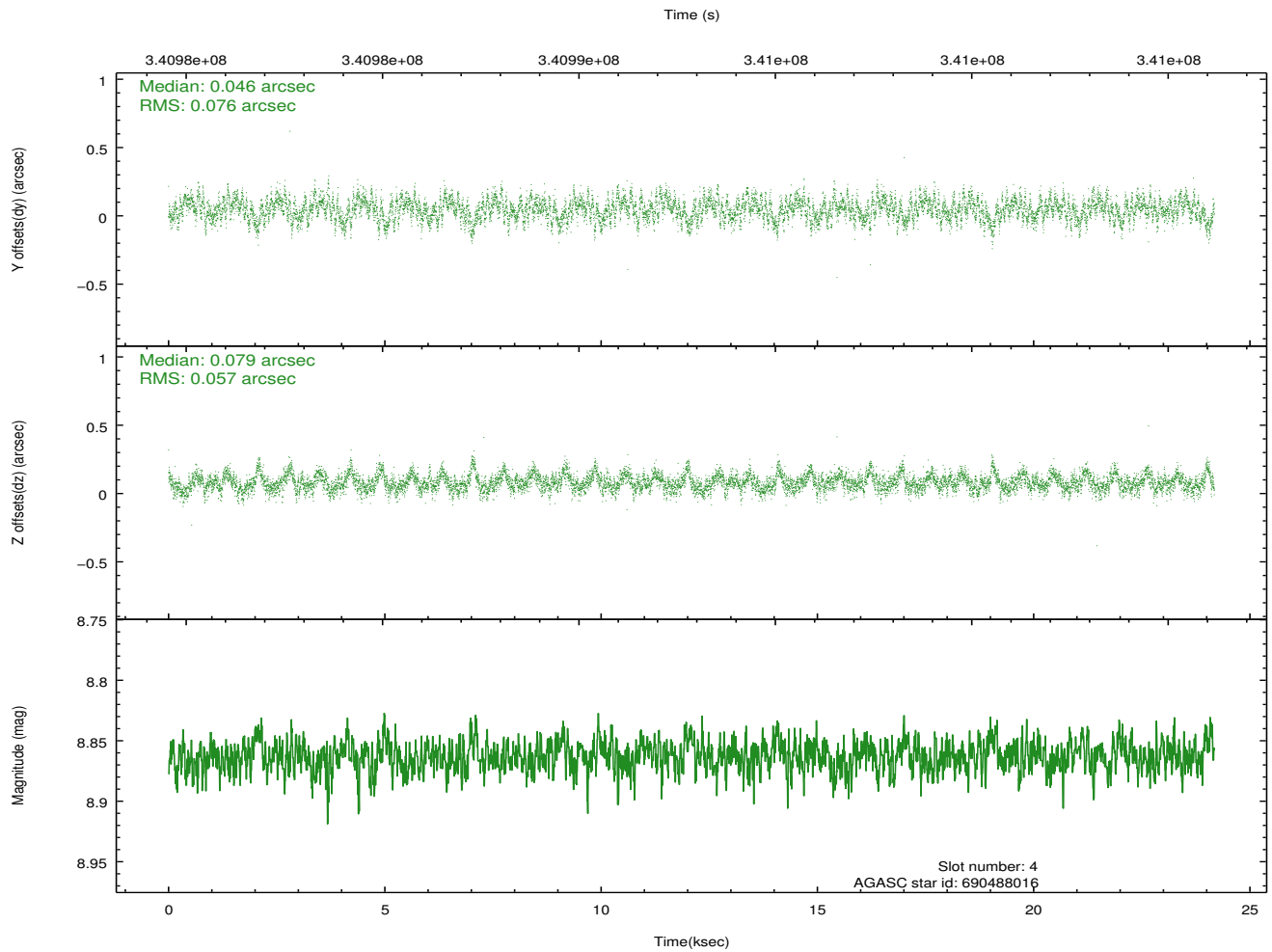
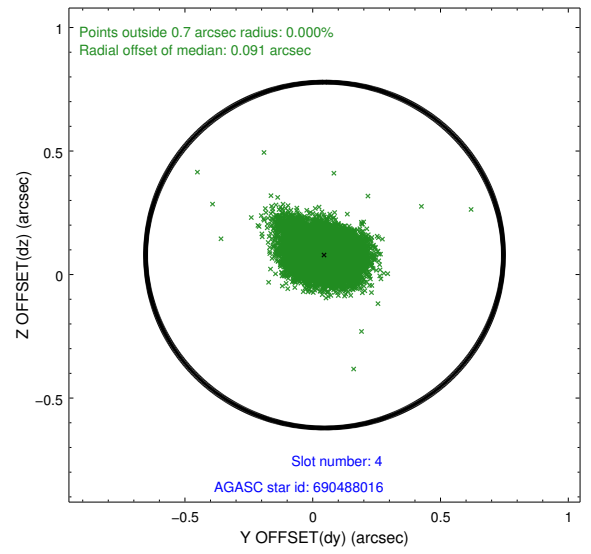
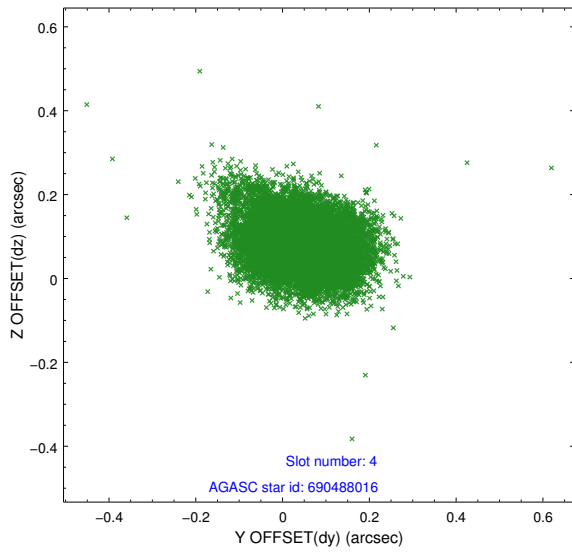
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	6.97	5897	0.113	-0.115	0.030	0.041	0.000000	0.000000	919.76	-1007.51
1	FID	ACIS-I-4	6.89	5896	0.083	0.054	0.017	0.025	0.000000	0.000000	2139.31	893.44
2	FID	ACIS-I-5	6.95	5897	-0.288	0.136	0.018	0.029	0.000000	0.000000	-1828.55	890.34
3	GUIDE	690095432	9.68	11756	0.037	0.082	0.116	0.191	6.686559	-12.321914	610.57	921.05
4	GUIDE	690488016	8.86	11786	0.046	0.079	0.100	0.164	6.525563	-13.077965	1974.66	-1501.77
5	GUIDE	690488576	9.04	11731	-0.044	-0.196	0.073	0.119	6.760281	-12.699830	1700.13	65.56
6	GUIDE	690493920	9.53	11769	0.284	-0.020	0.144	0.249	6.480998	-13.255234	2277.14	-2084.88
7	GUIDE	690100136	6.48	11793	-0.312	0.057	0.068	0.114	5.715784	-12.209438	-2223.48	-1021.43

2.4 Star Slots

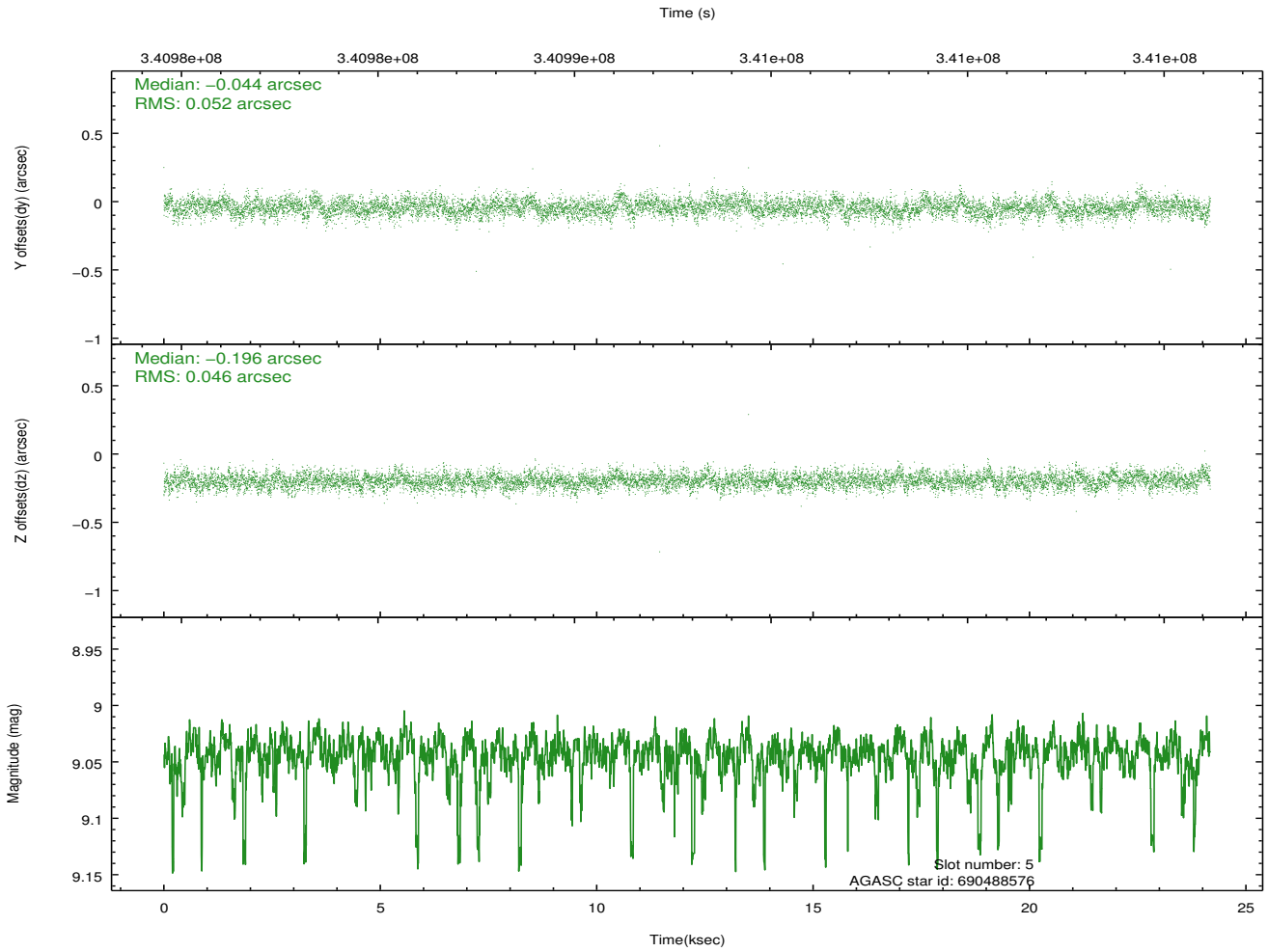
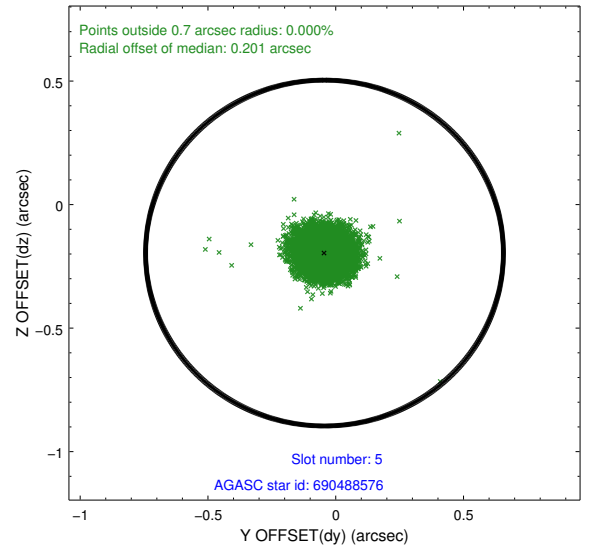
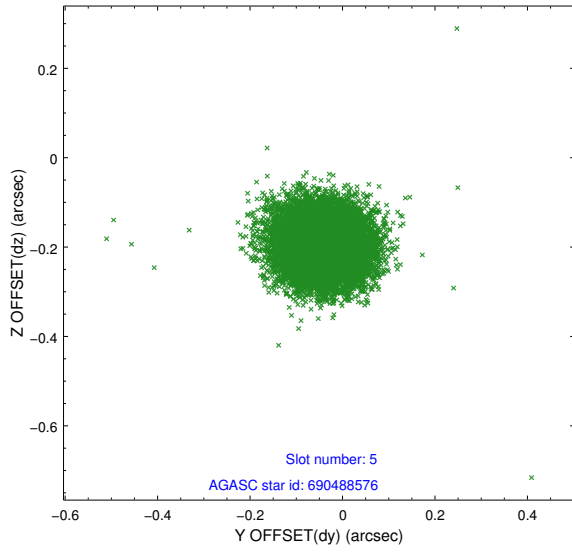
2.4.1 Slot 3



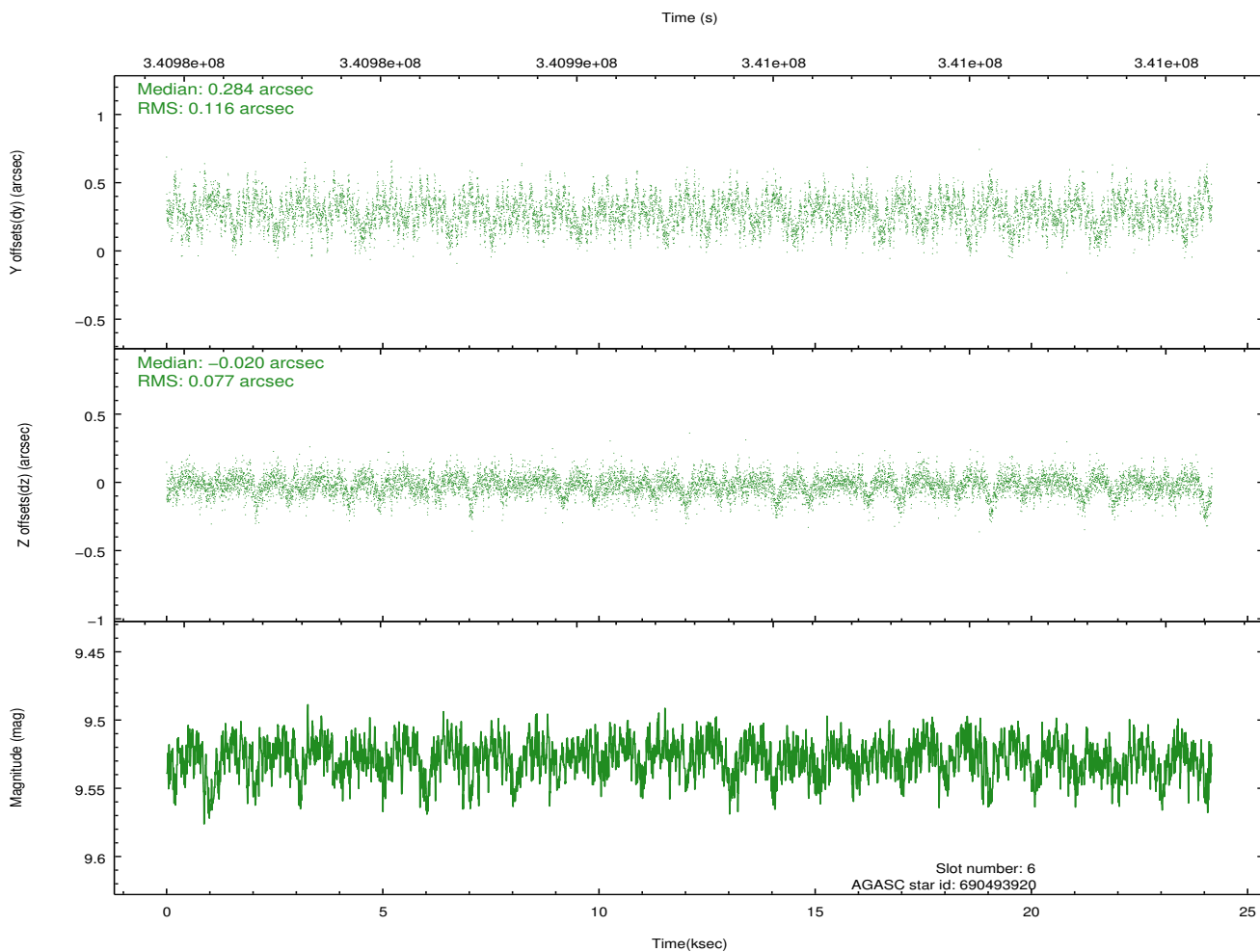
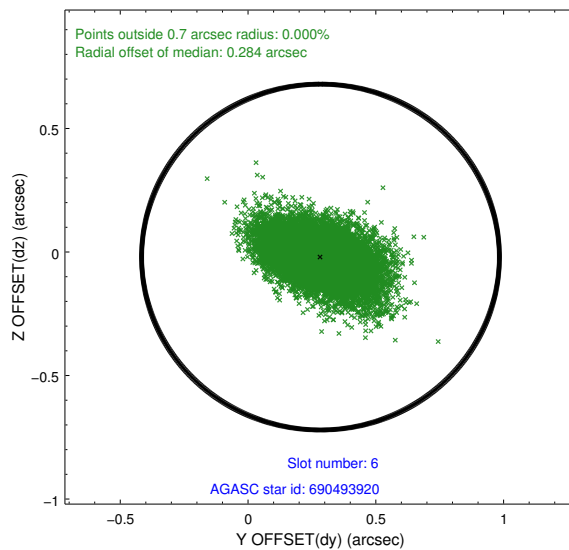
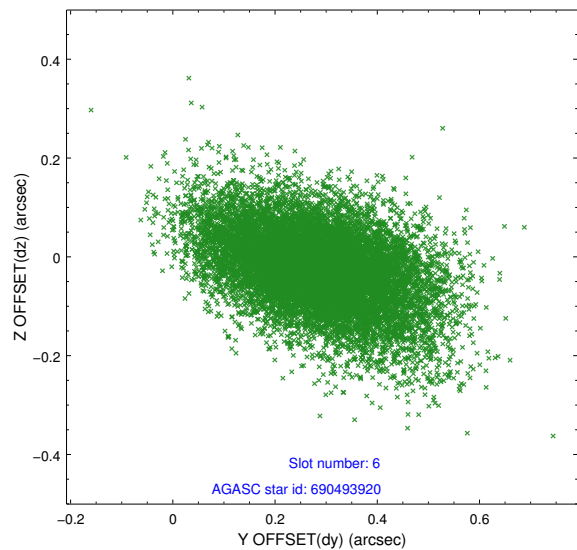
2.4.2 Slot 4



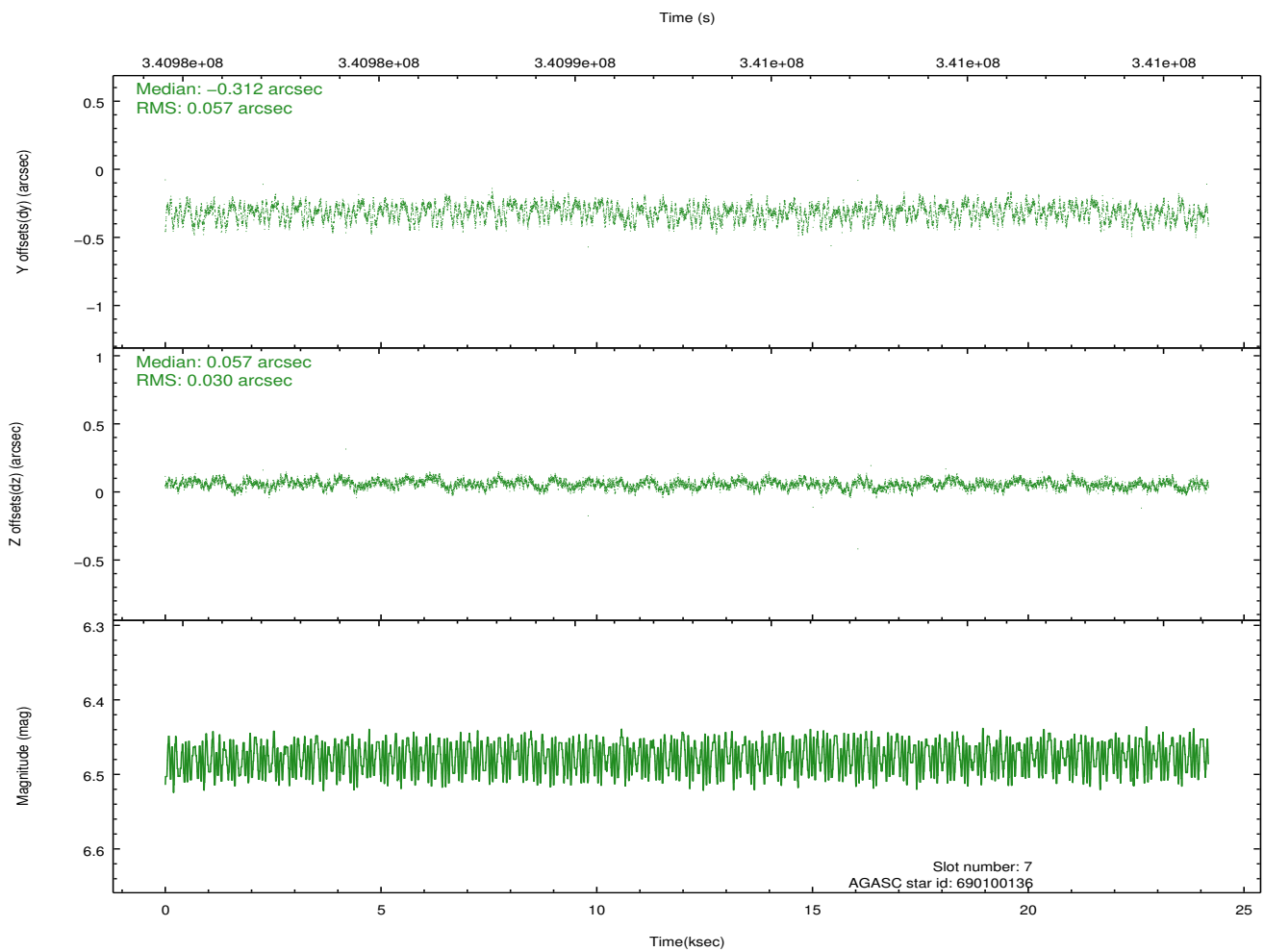
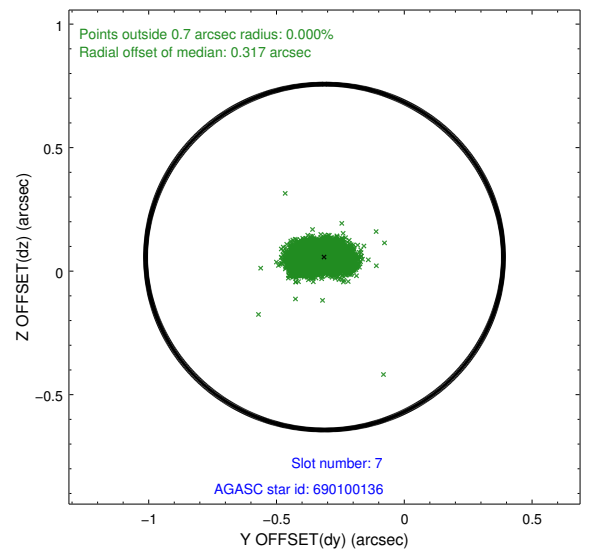
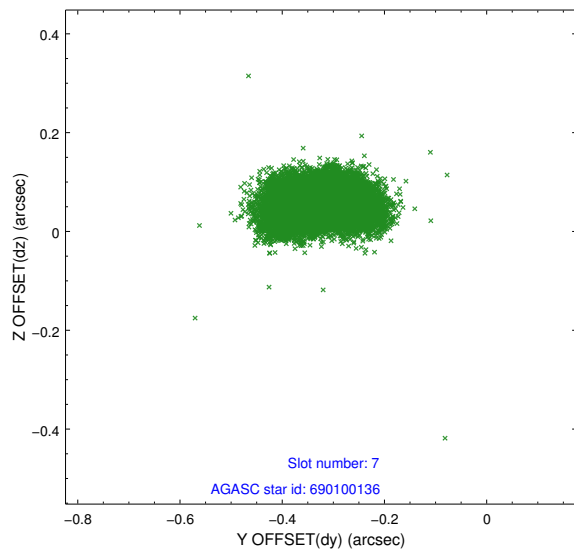
2.4.3 Slot 5



2.4.4 Slot 6

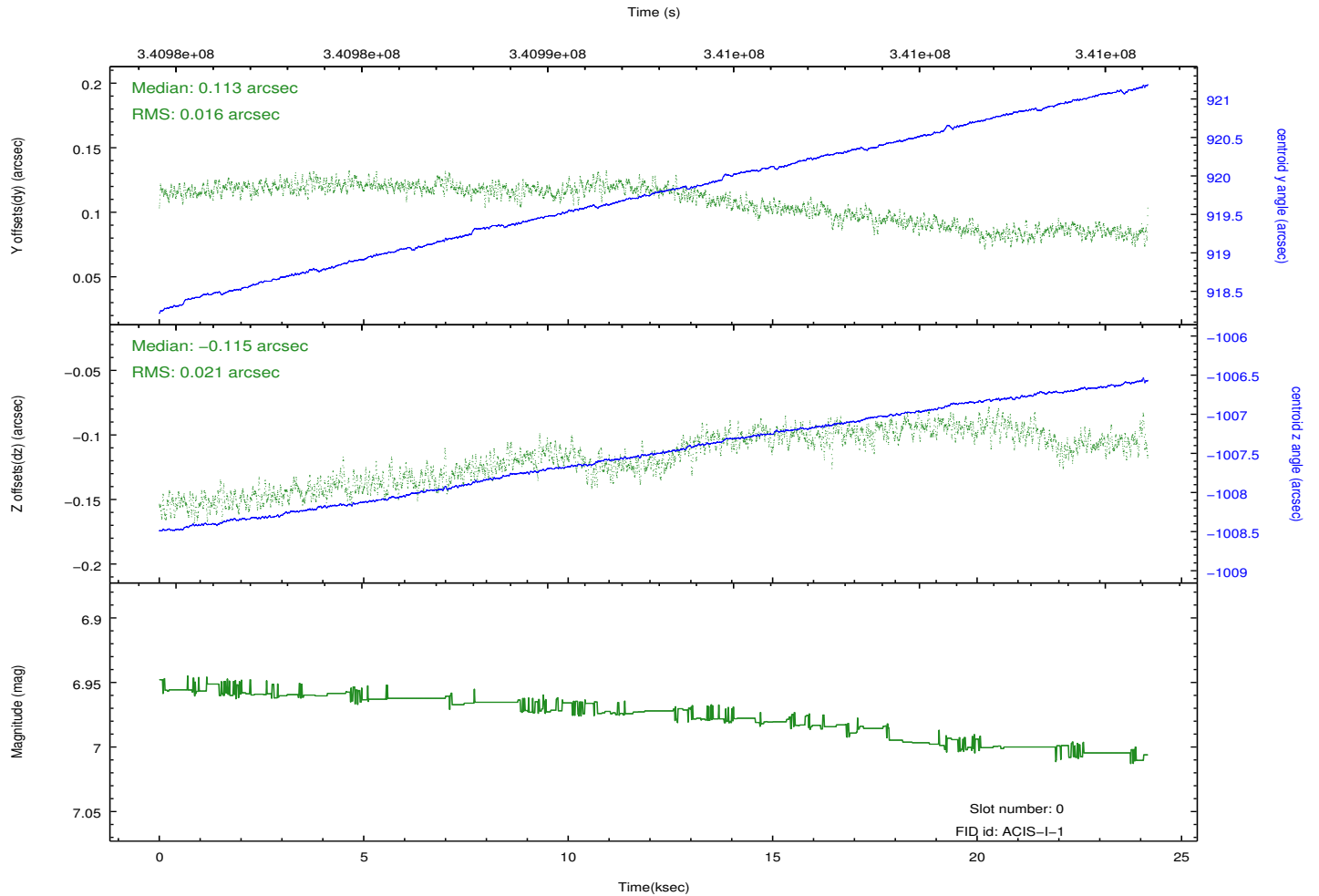
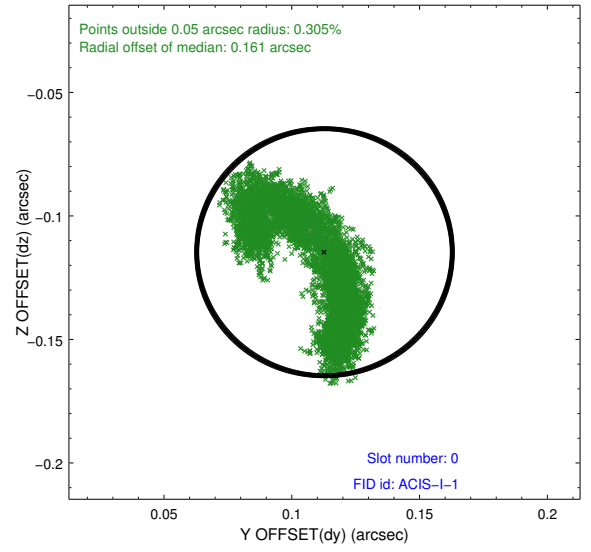
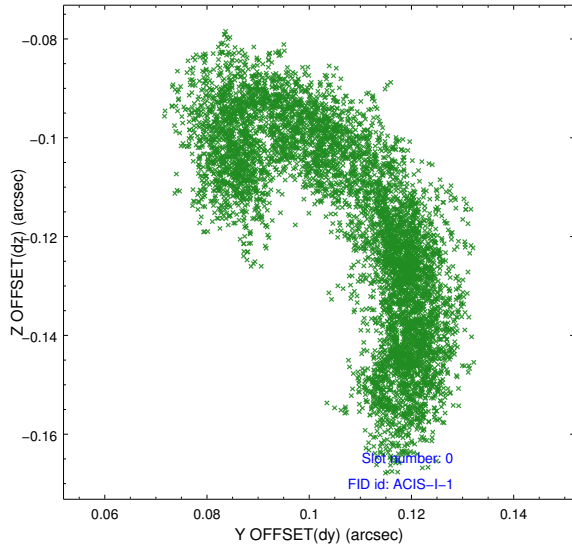


2.4.5 Slot 7

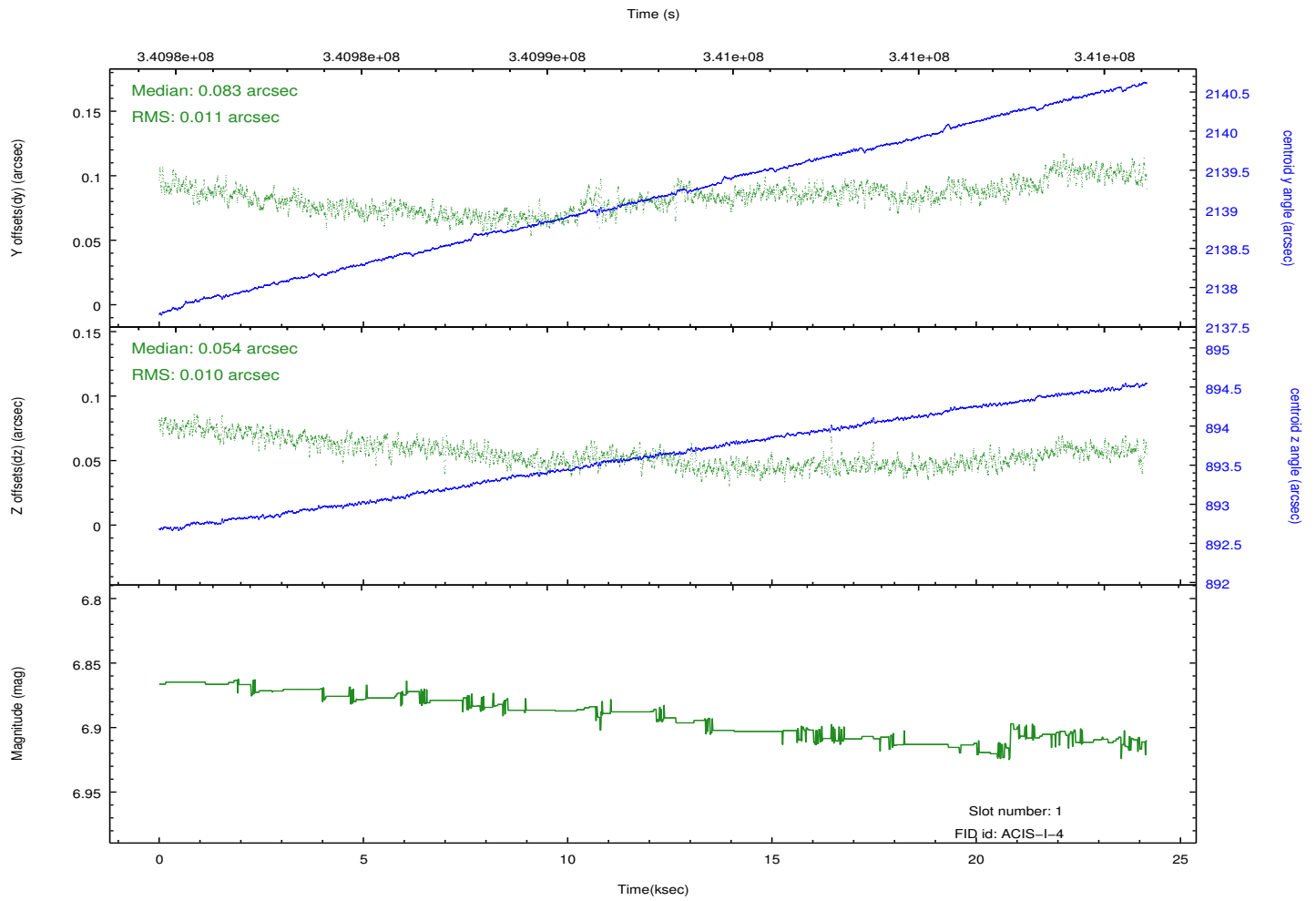
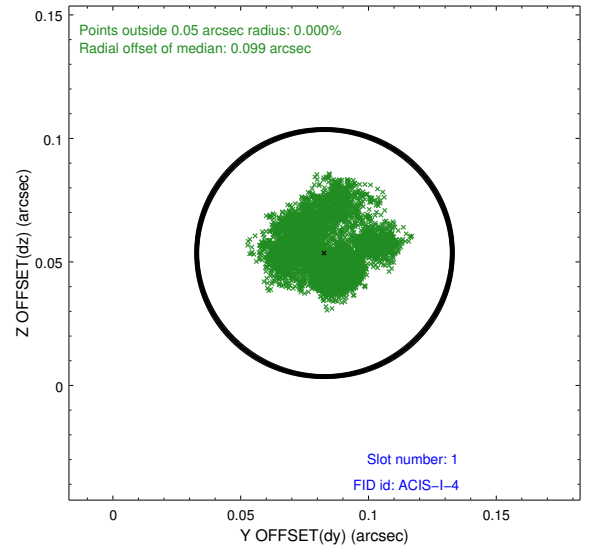
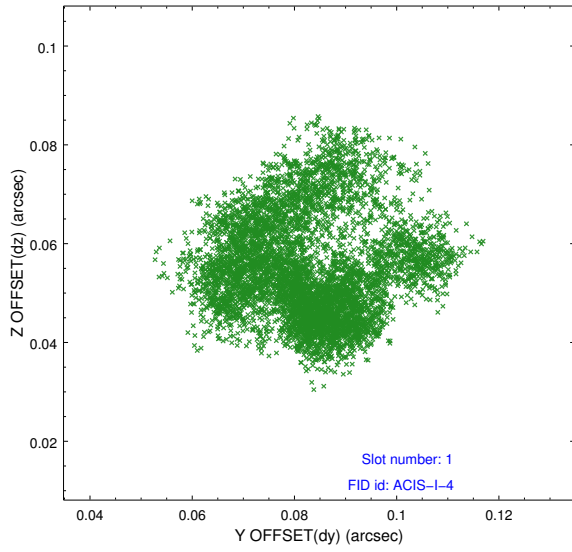


2.5 FID Slots

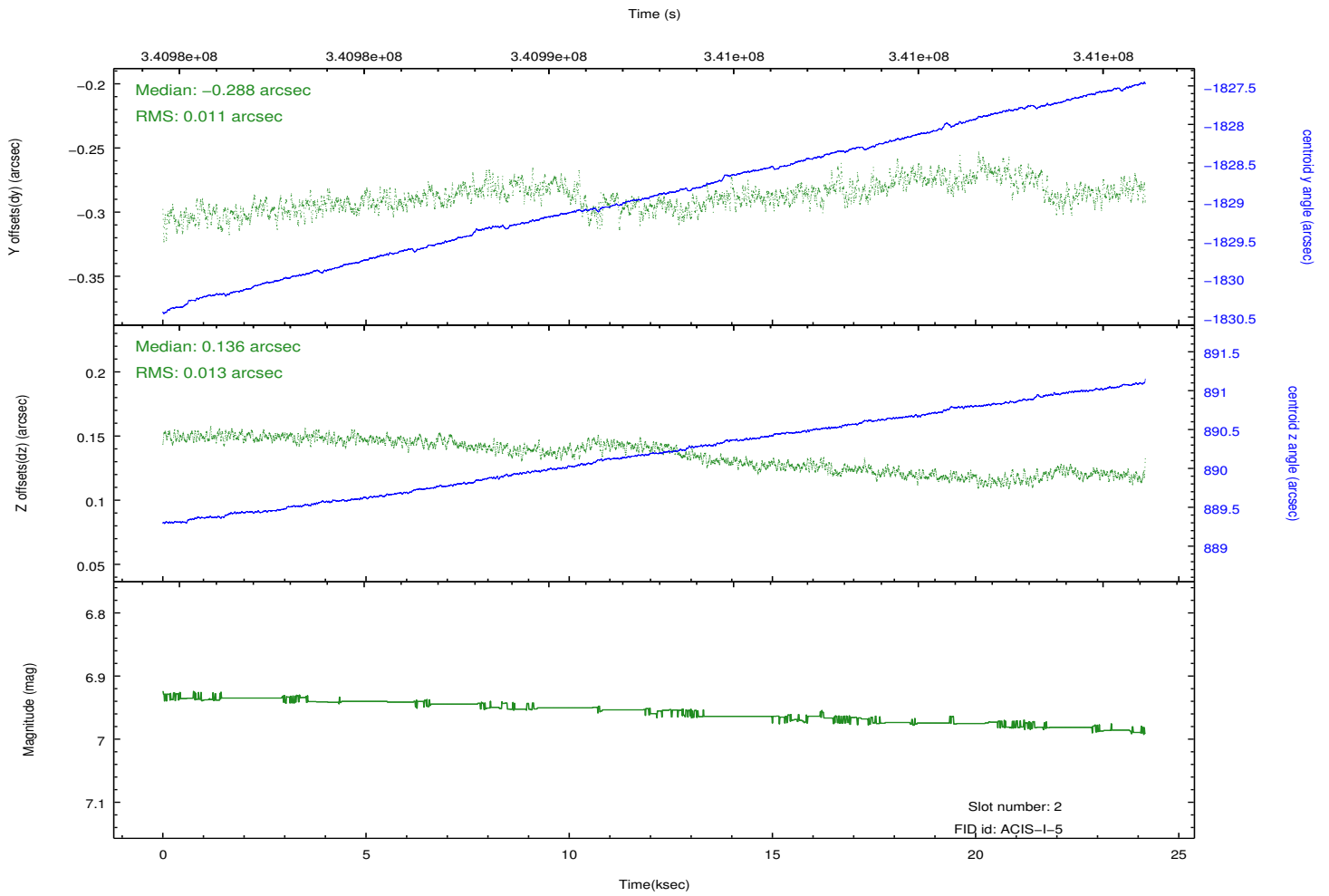
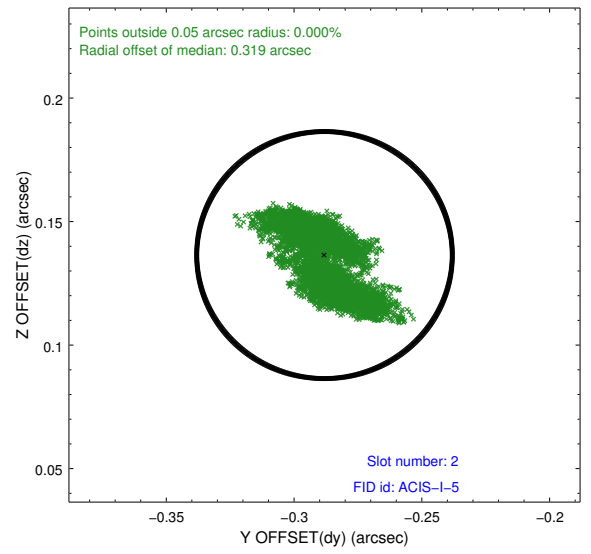
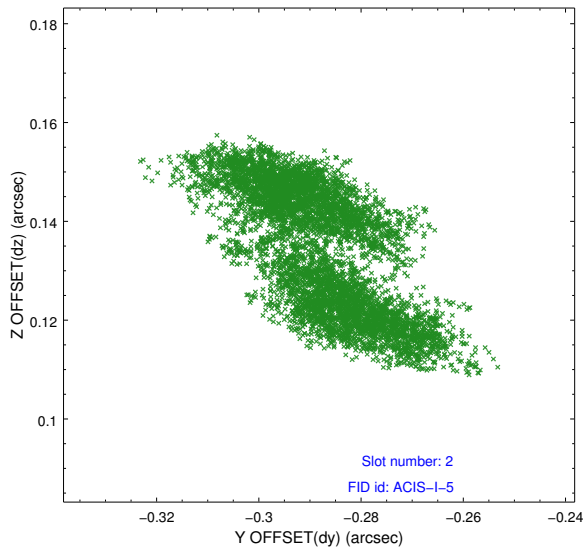
2.5.1 Slot 0



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)	2012.06.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	24.1675591

A.2 Comments