

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11747 - L2 Version 2
Chandra X-Ray Center

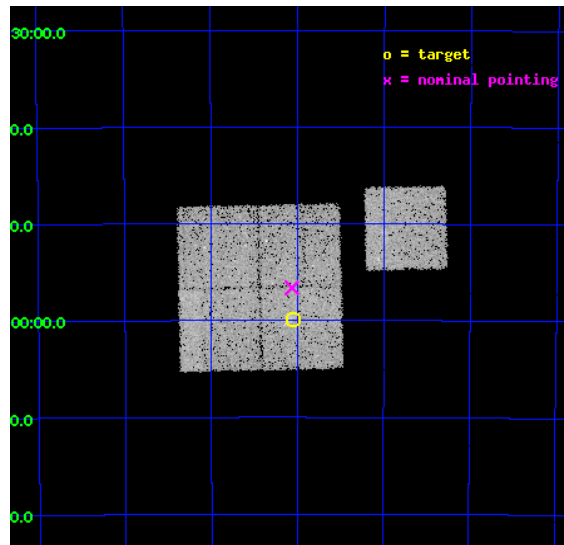
L2 Processing Date : Jul 3 2012

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1 Front

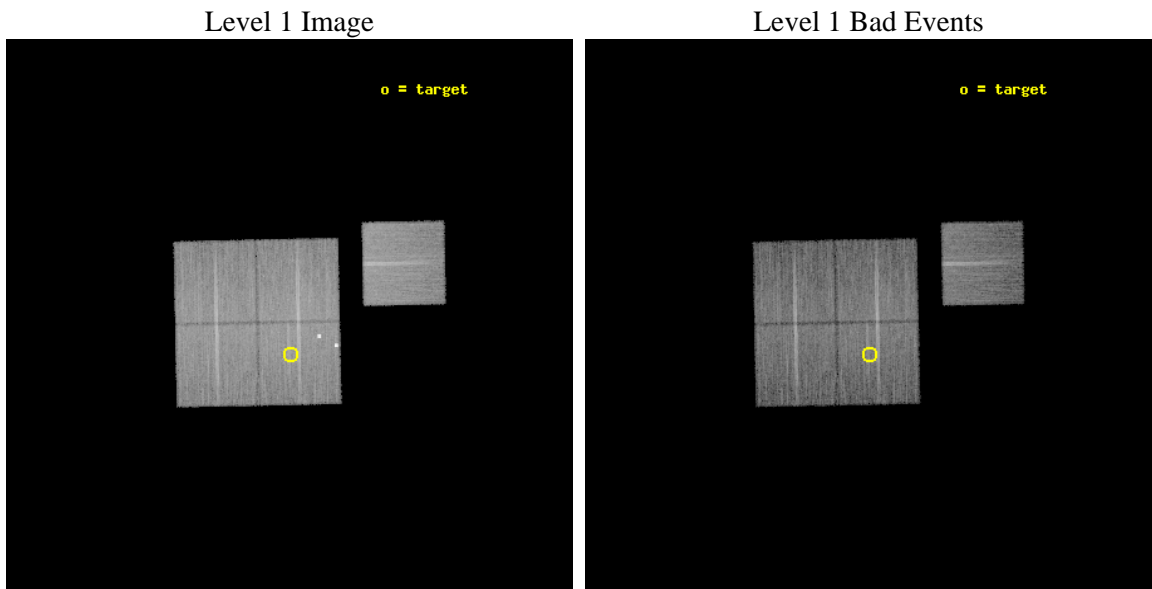
seq_num	800887	Sequence number
obs_id	11747	Observation id
title	Chandra Observations of a Complete Sample of SZE Selected Galaxy Clusters	Proposal title
observer	Dr Joseph Mohr	Principal investigator
object	SPT-CL 0528-5300	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	82.010833	Observer's specified target RA [deg]
dec_targ	-52.998	Observer's specified target Dec [deg]
ra_nom	82.015962418945	Nominal RA [deg]
dec_nom	-52.943718096705	Nominal Dec [deg]
roll_nom	88.812773188882	Nominal Roll [deg]
revision	2	Processing version of data
ontime	19362.600148916	Sum of GTIs [s]
livetime	19109.613523432	Livetime [s]
ontime0	19359.459138691	Sum of GTIs [s]
ontime1	19362.600148916	Sum of GTIs [s]
ontime2	19359.459198296	Sum of GTIs [s]
ontime3	19362.600148916	Sum of GTIs [s]
ontime6	19356.318138242	Sum of GTIs [s]
l2events	65009	Number of level 2 events



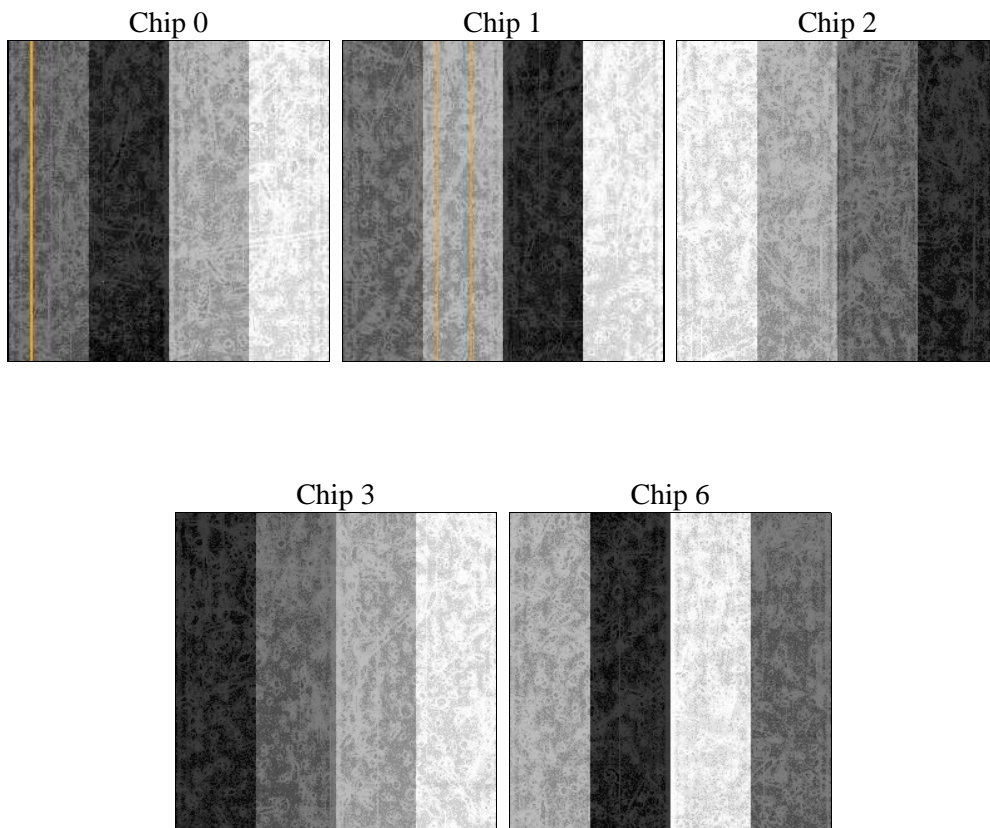
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	19311.902000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	19362.600148916	Sum of GTIs [s]
caldbver	4.5.0	 	ontime0	19359.459138691	Sum of GTIs [s]
date	2012-07-03T08:09:10	Date and time of file creation	ontime1	19362.600148916	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	19359.459198296	Sum of GTIs [s]
			ontime3	19362.600148916	Sum of GTIs [s]
			ontime6	19356.318138242	Sum of GTIs [s]
			l1events	694116	Number of level 1 events

2.1.4 Events

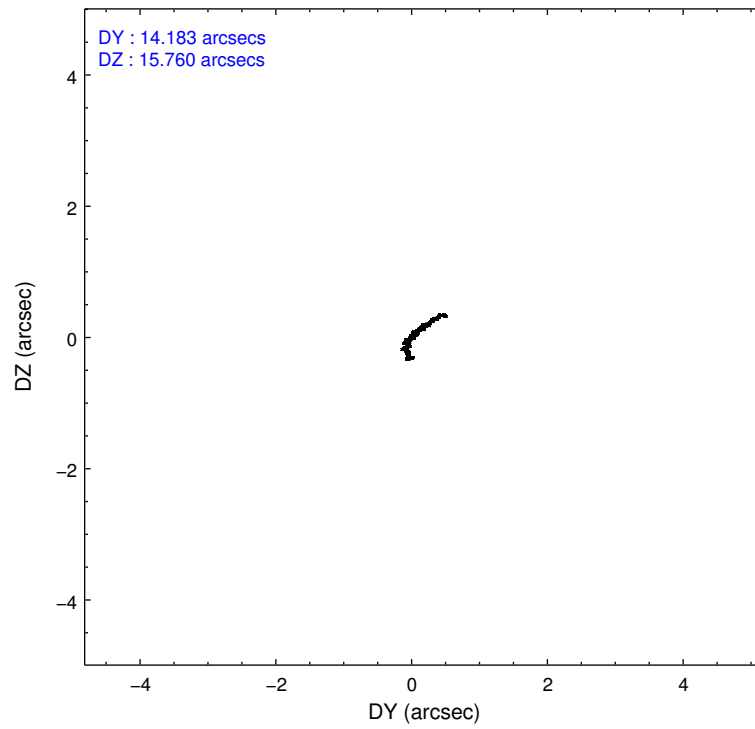
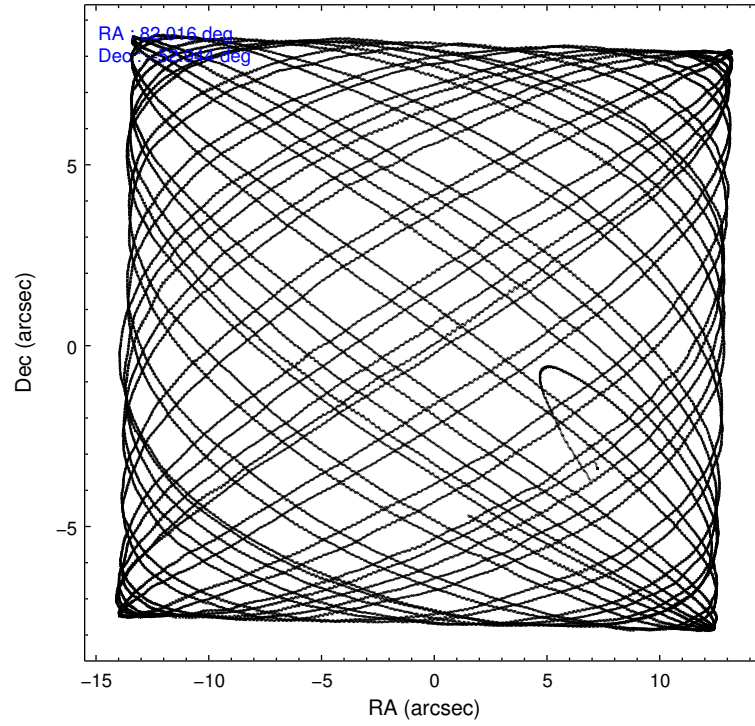
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	131309	131063	144558	148367	138819
rejected events	116169	114093	129468	122009	123347
rejected %	88%	87%	89%	82%	88%

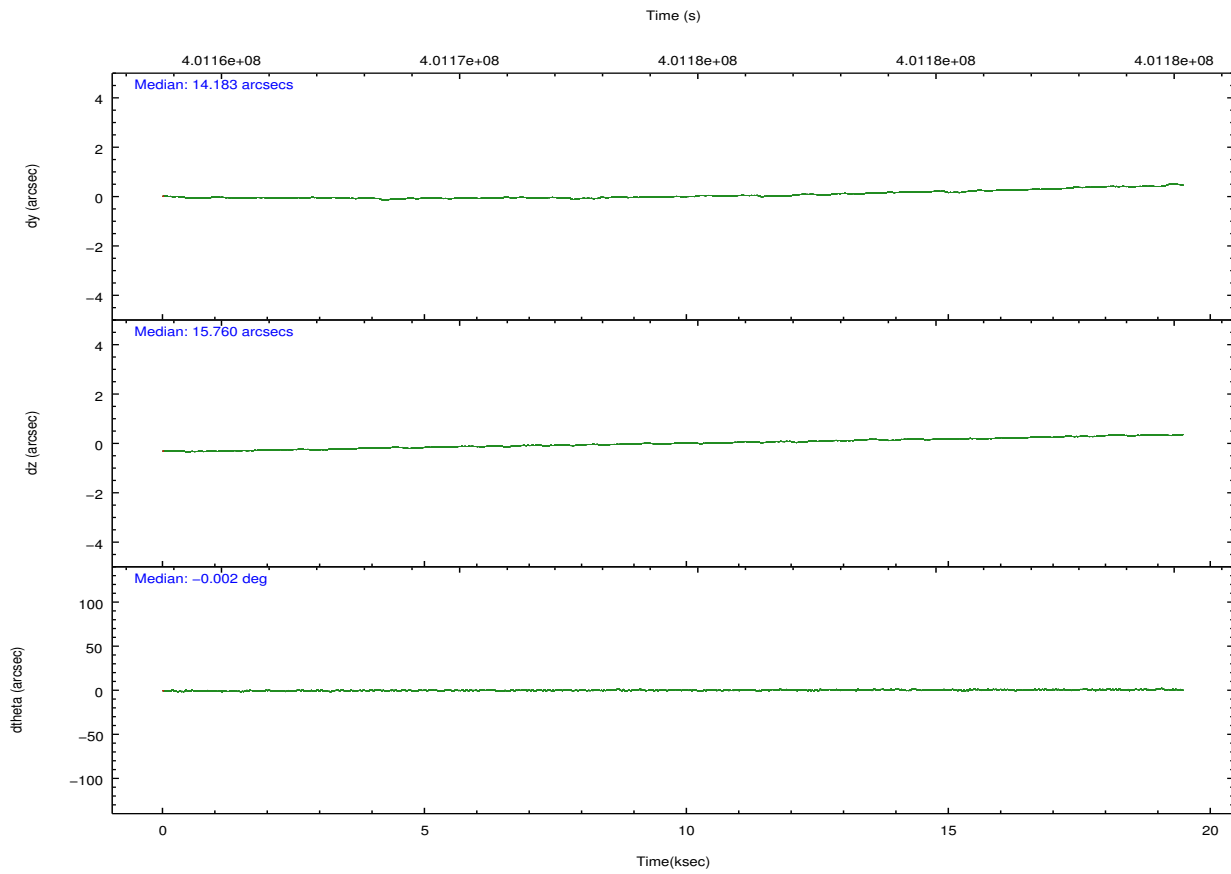
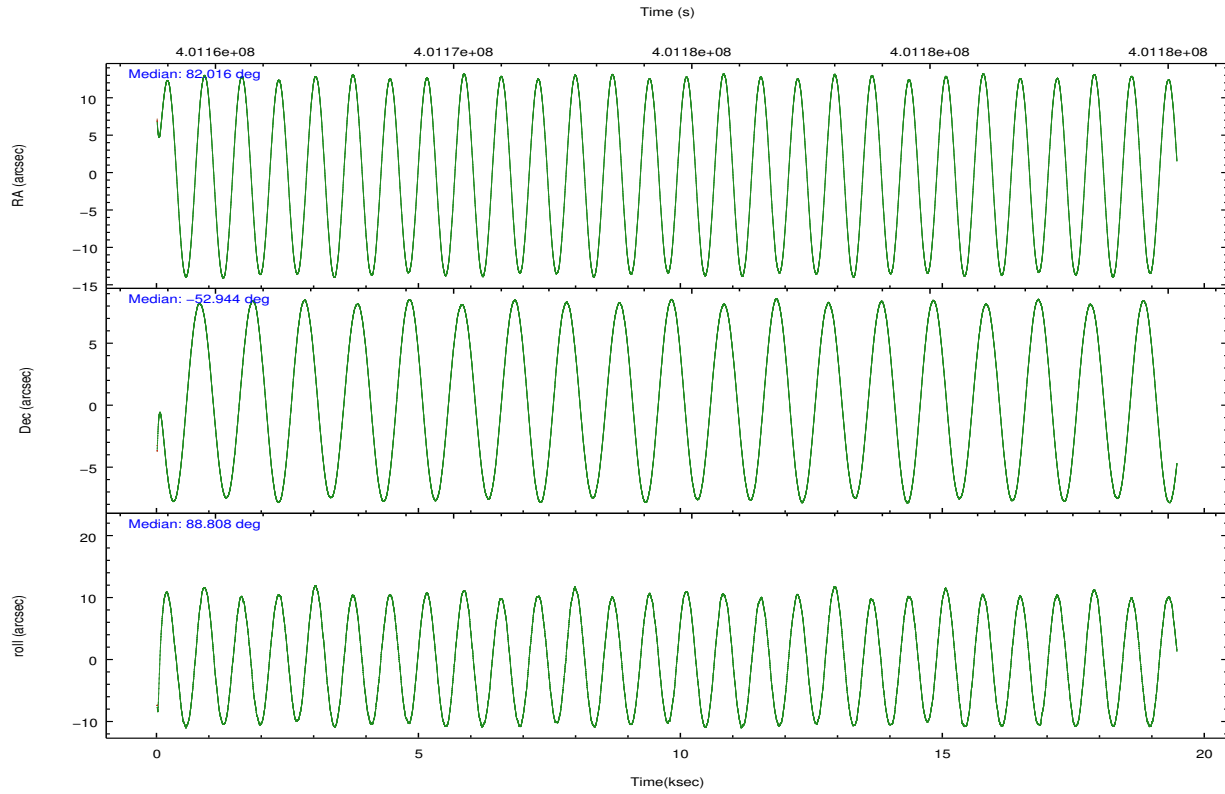
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	5361	5964	5443	11052	5428
	4%	4%	3%	7%	3%
grade 1 events	85	79	92	121	76
	0%	0%	0%	0%	0%
grade 2 events	3777	4023	3752	9086	3363
	2%	3%	2%	6%	2%
grade 3 events	1594	1731	1545	1603	1677
	1%	1%	1%	1%	1%
grade 4 events	1509	1699	1516	1609	1612
	1%	1%	1%	1%	1%
grade 5 events	5692	6011	5340	6471	6130
	4%	4%	3%	4%	4%
grade 6 events	2900	3555	2836	3014	3401
	2%	2%	1%	2%	2%
grade 7 events	110391	108001	124034	115411	117132
	84%	82%	85%	77%	84%

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	82.038087	82.01596241894532	CCD I2 on	Y	Y
[deg] Pointing Dec	-52.967711	-52.94371809670485	CCD I3 on	Y	Y
[deg] Pointing Roll	88.621757	88.81277318888156	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	-225.840463	-225.8433433320239	CCD S3 on	N	N
[mm] SIM translation stage offset	-7.752	-7.749109670905796	CCD S4 on	N	N
[s] Observation start time (MET)	401164902.184000	401163799.51839	CCD S5 on	N	N
Observation start date	2010-09-18T02:40:36	2010-09-18T02:23:19	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	401184214.184000	401184449.16945	On-chip summing requested	N	N
Observation end date	2010-09-18T08:02:28	2010-09-18T08:07:29	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



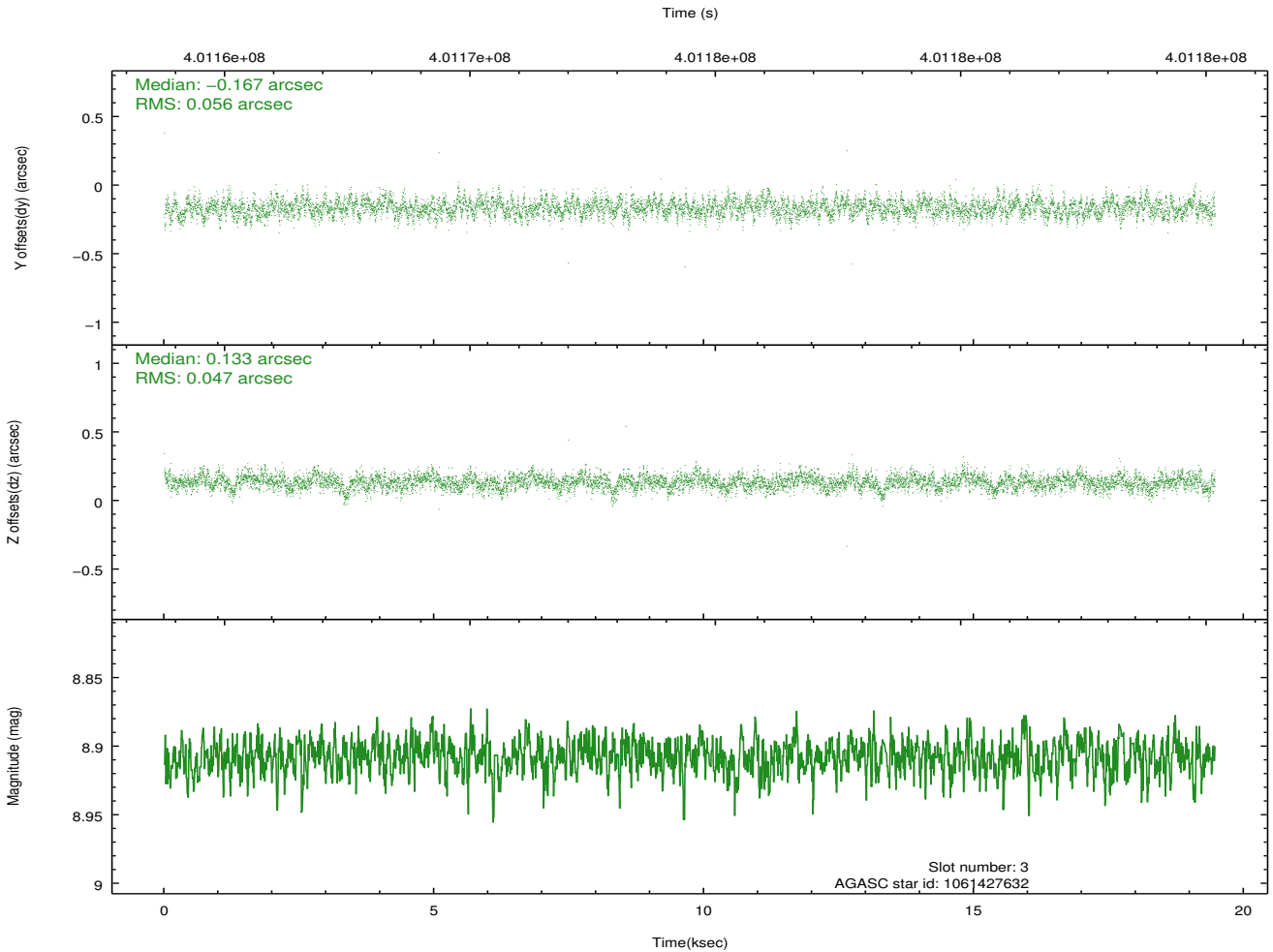
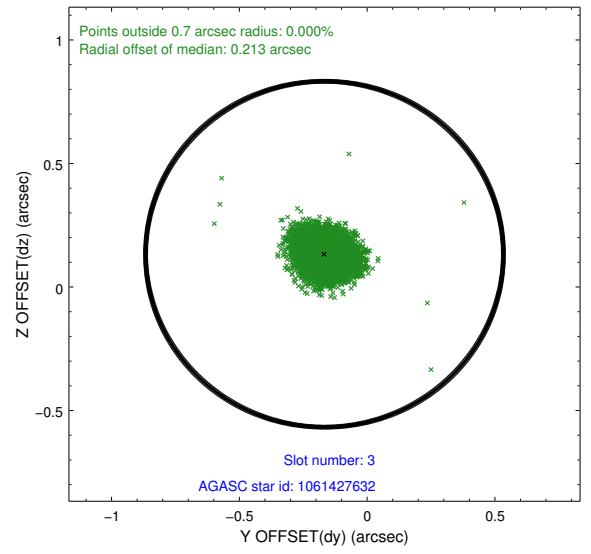
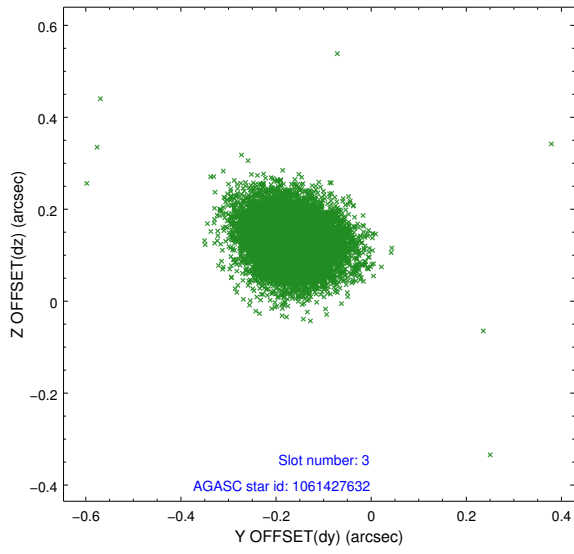


Slot Statistics

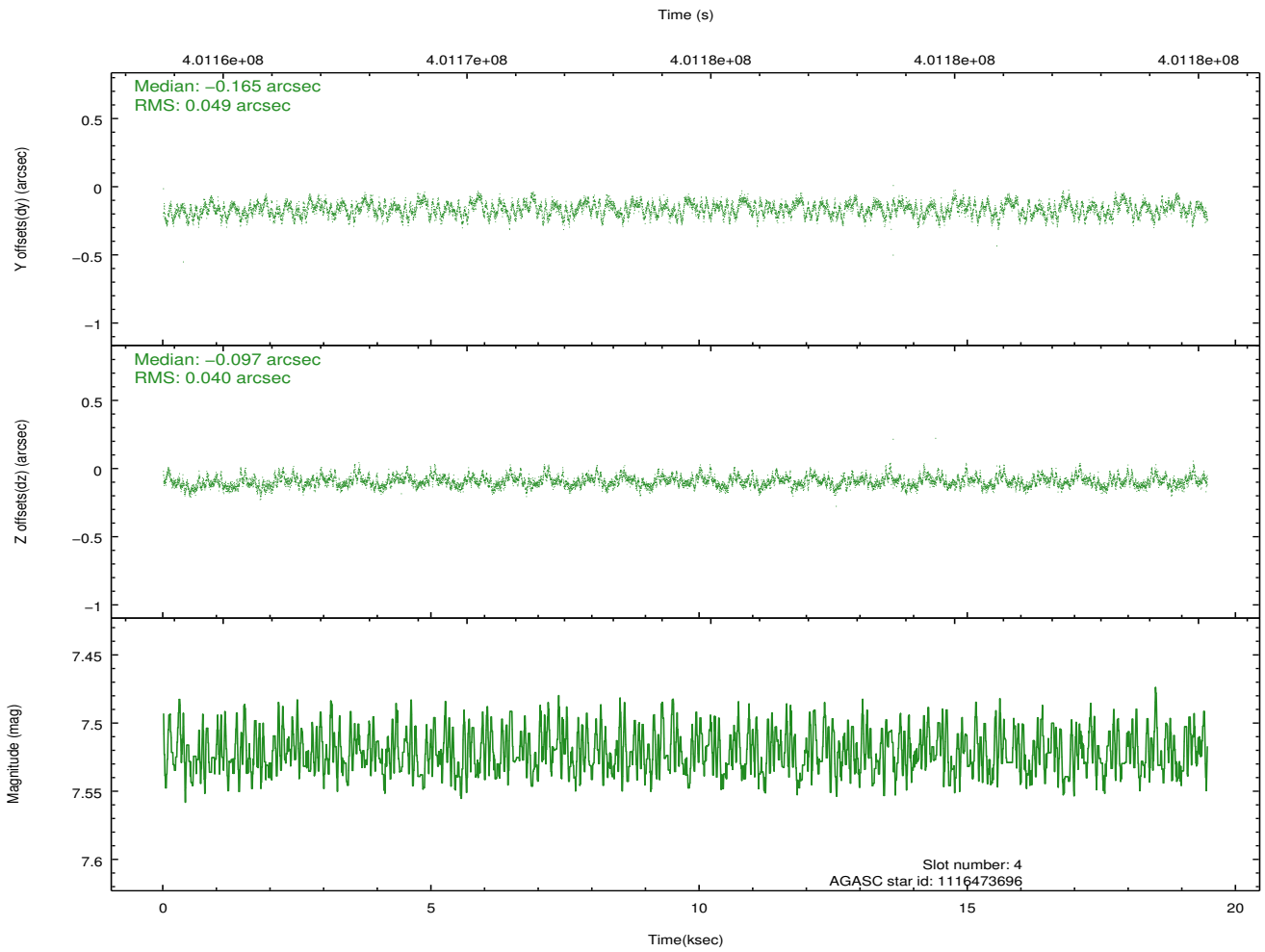
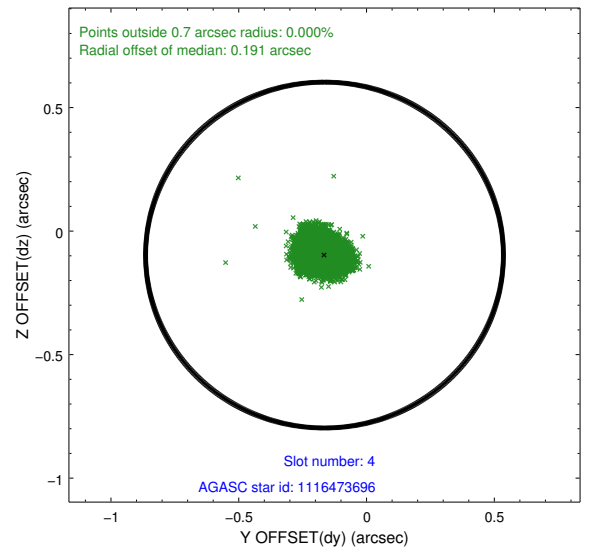
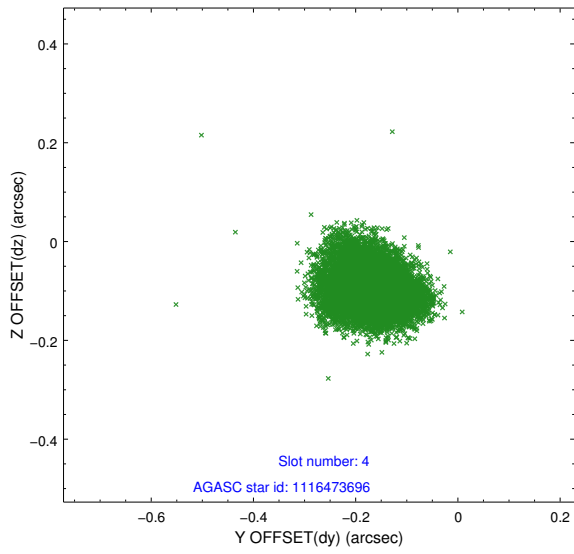
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.09	4748	0.141	-0.116	0.011	0.029	0.000000	0.000000	925.22	-998.57
1	FID	ACIS-I-5	7.08	4748	-0.313	0.106	0.011	0.019	0.000000	0.000000	-1823.23	899.00
2	FID	ACIS-I-6	7.10	4748	0.079	0.079	0.010	0.015	0.000000	0.000000	390.49	1543.71
3	GUIDE	1061427632	8.91	9487	-0.167	0.133	0.077	0.124	82.581997	-52.440638	1921.78	-1147.36
4	GUIDE	1116473696	7.52	9495	-0.165	-0.097	0.067	0.107	81.306955	-52.676900	1000.41	1620.51
5	GUIDE	1116477608	8.19	9492	-0.030	0.087	0.070	0.112	82.436900	-53.265653	-1053.64	-884.00
6	GUIDE	1116479144	8.04	9493	-0.109	-0.133	0.081	0.127	81.040684	-53.428803	-1725.97	2098.31
7	GUIDE	1116480536	8.46	9494	0.468	0.005	0.078	0.123	81.460168	-53.582672	-2247.38	1181.77

2.4 Star Slots

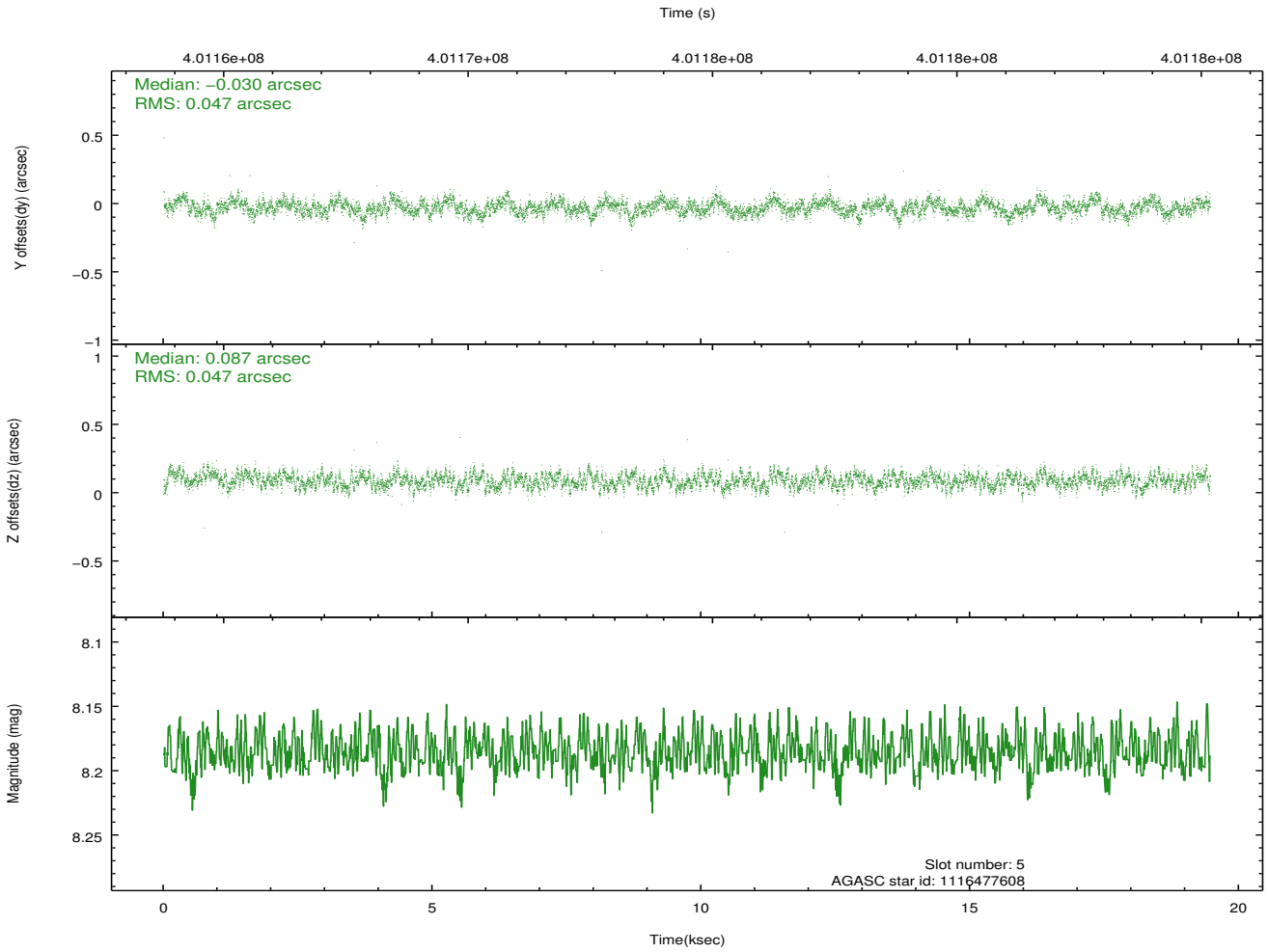
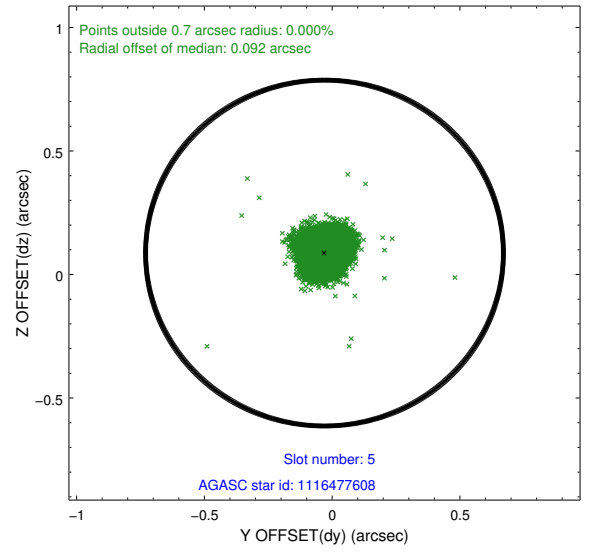
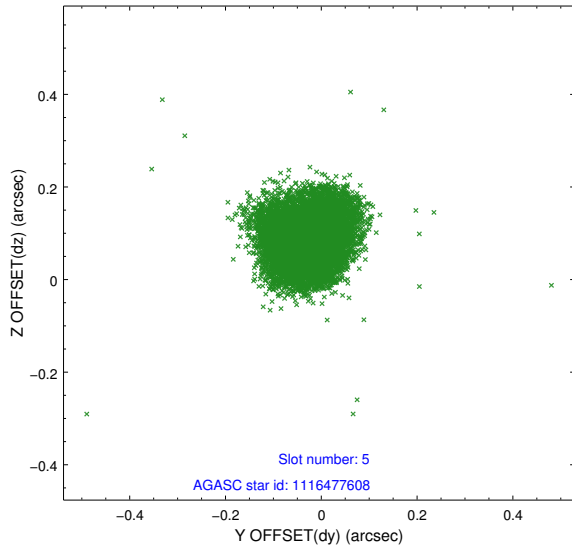
2.4.1 Slot 3



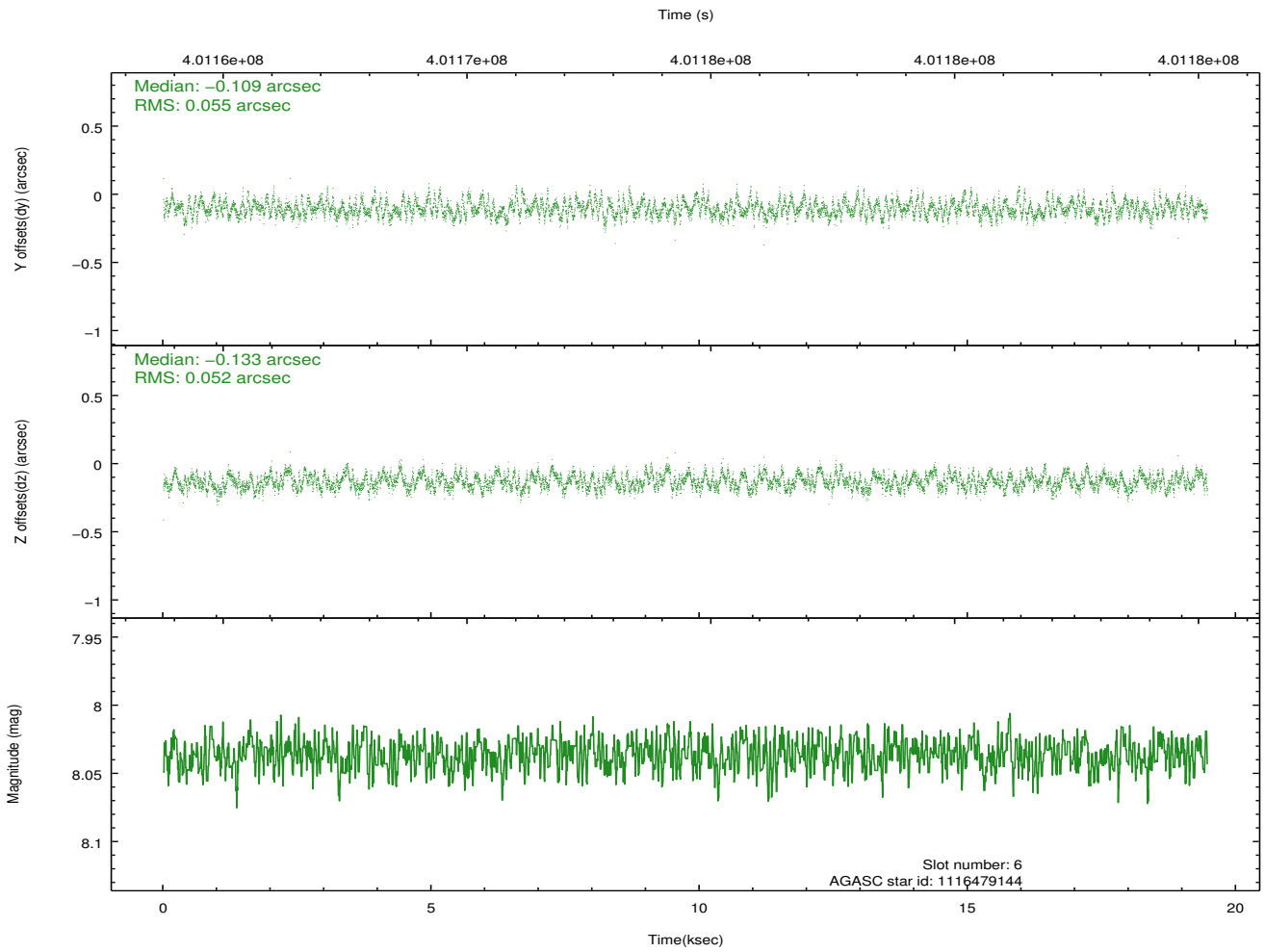
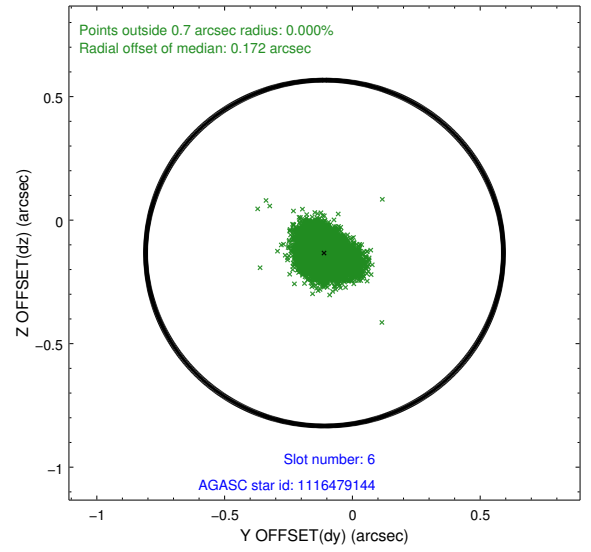
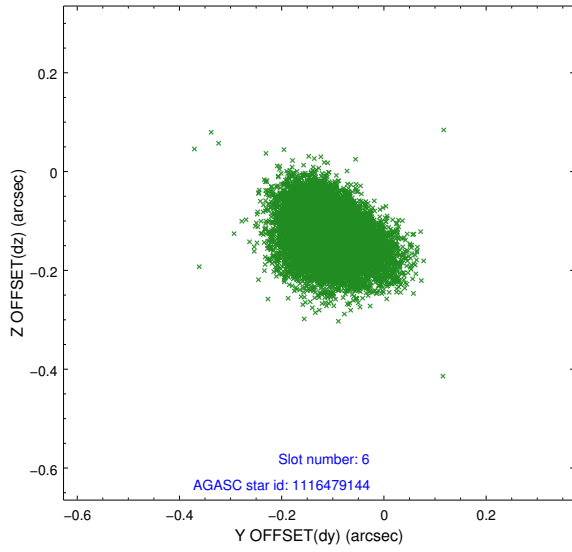
2.4.2 Slot 4



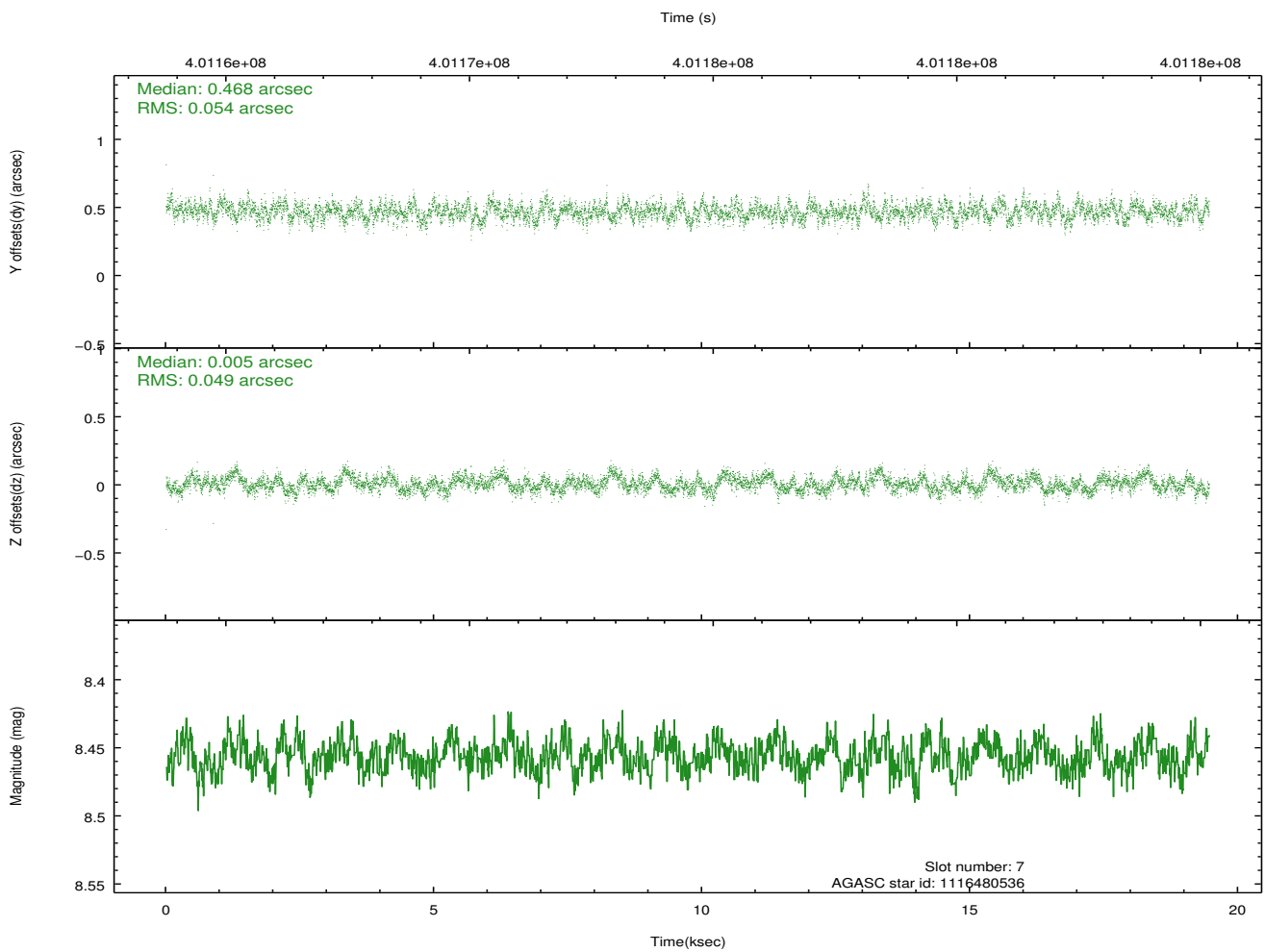
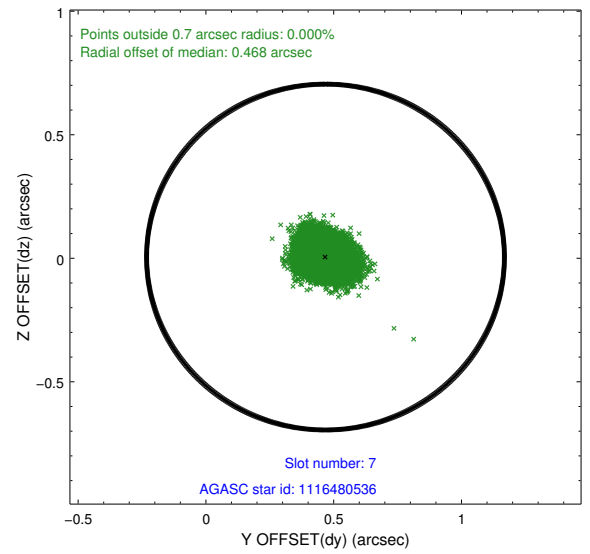
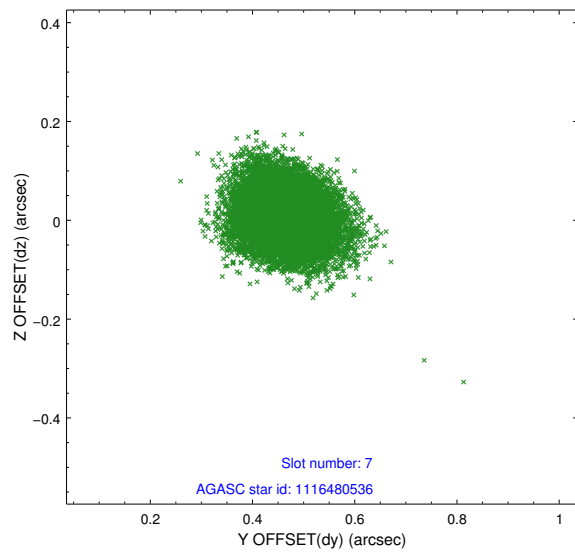
2.4.3 Slot 5



2.4.4 Slot 6

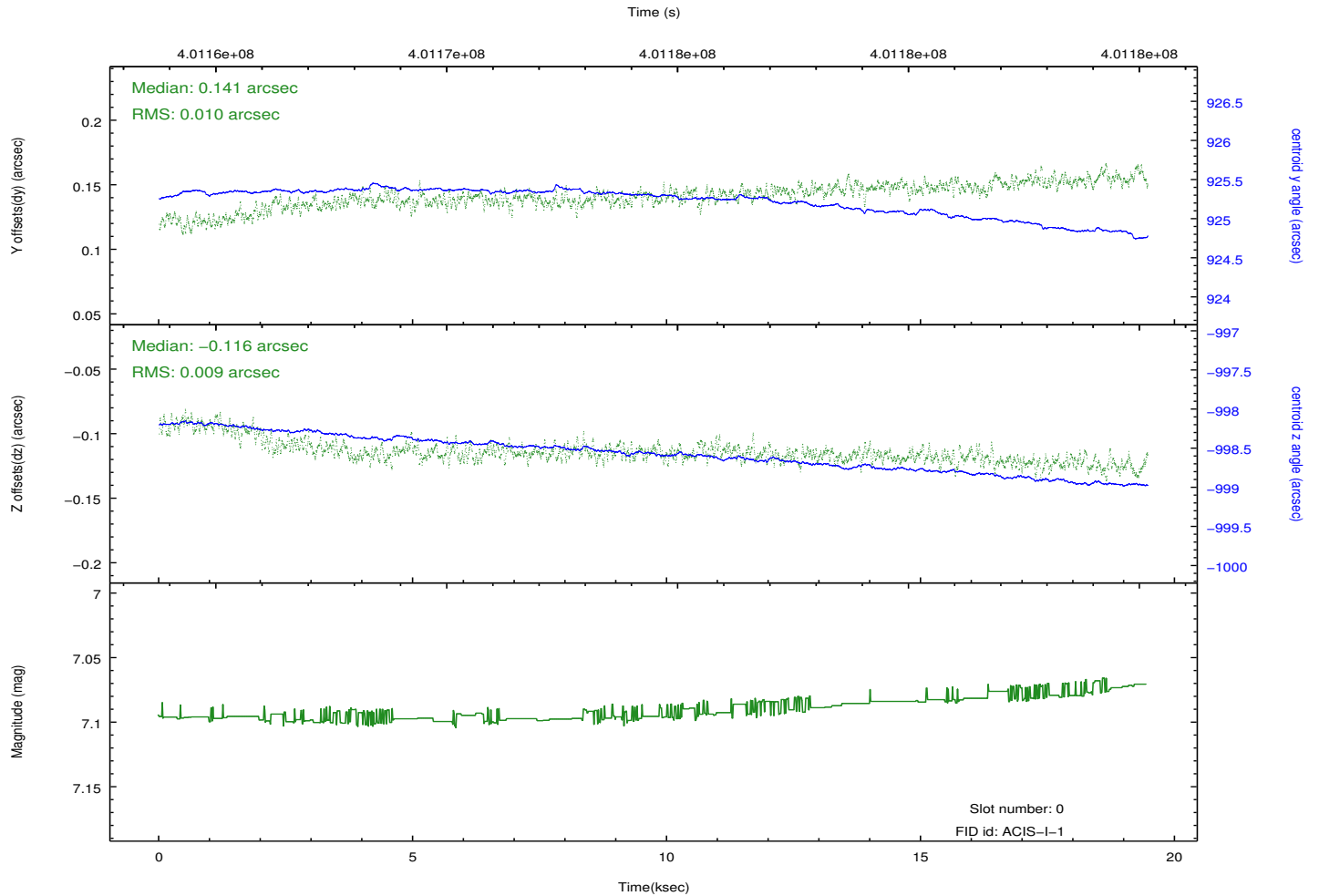
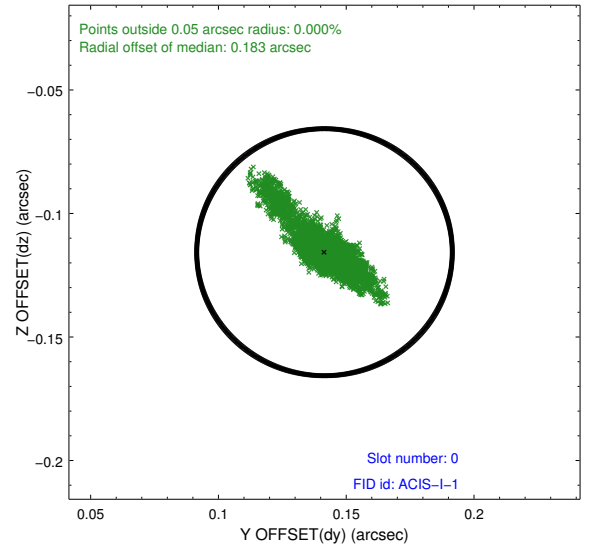
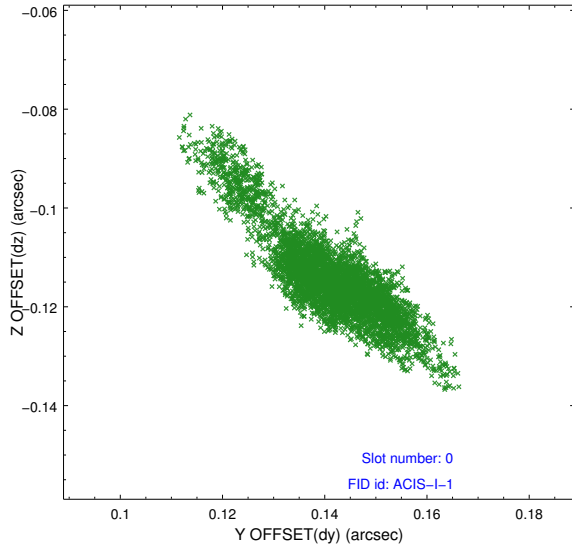


2.4.5 Slot 7

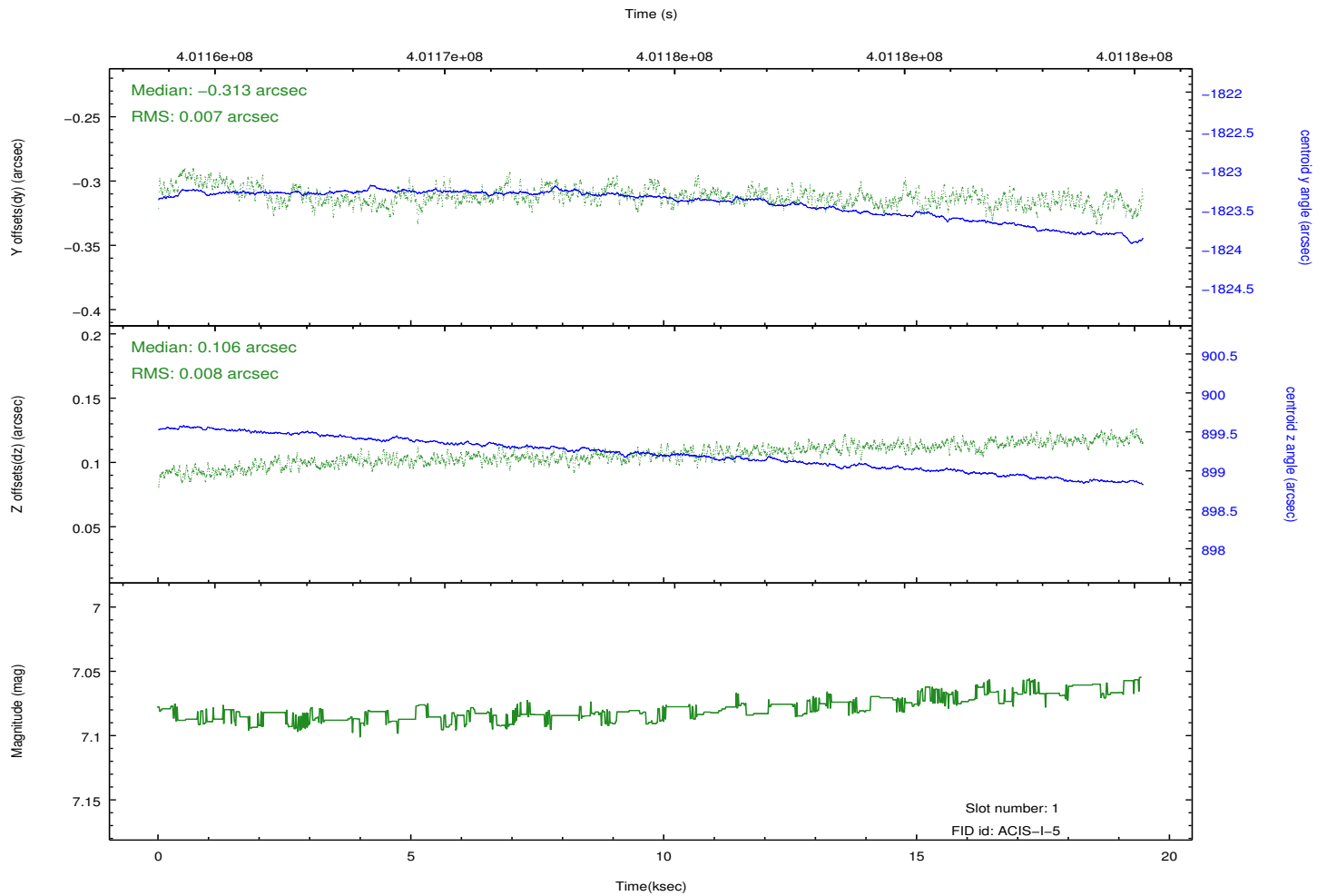
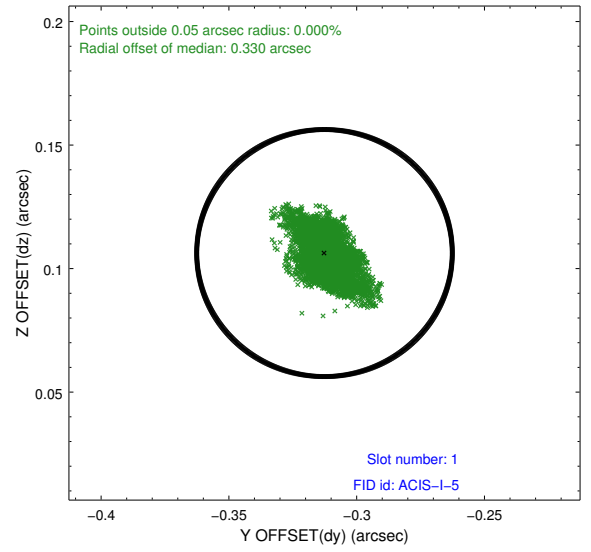
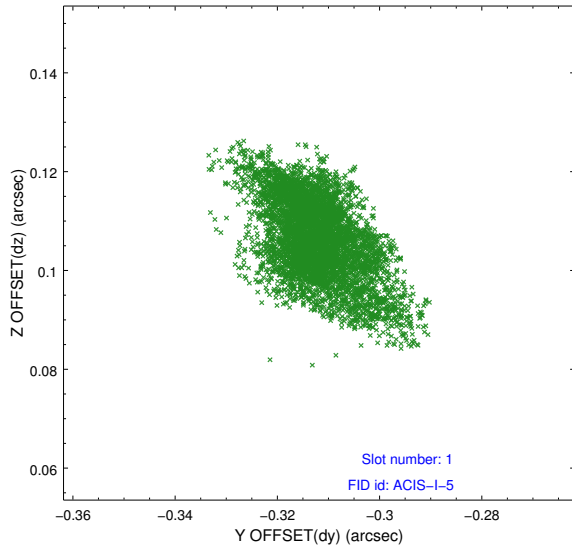


2.5 FID Slots

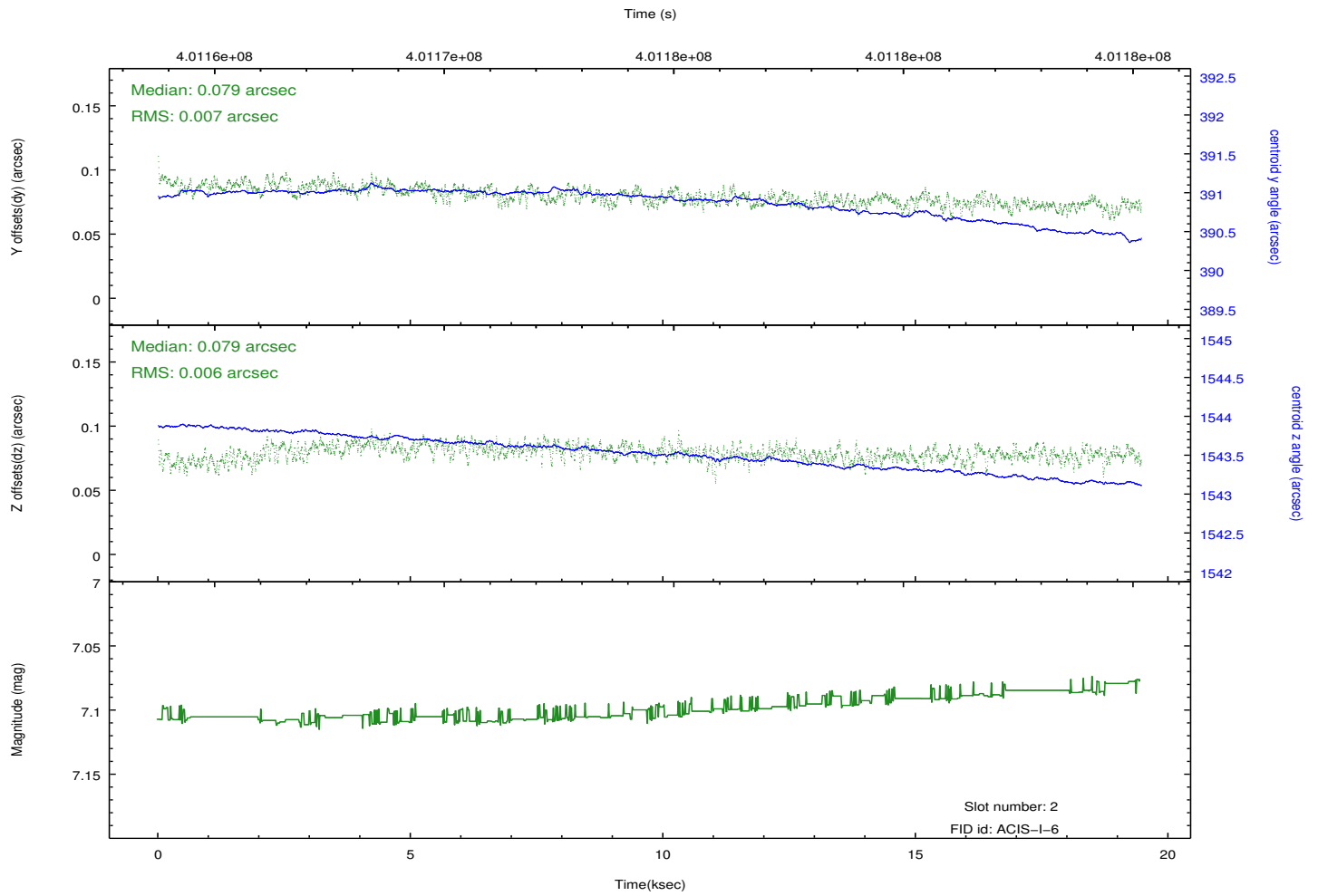
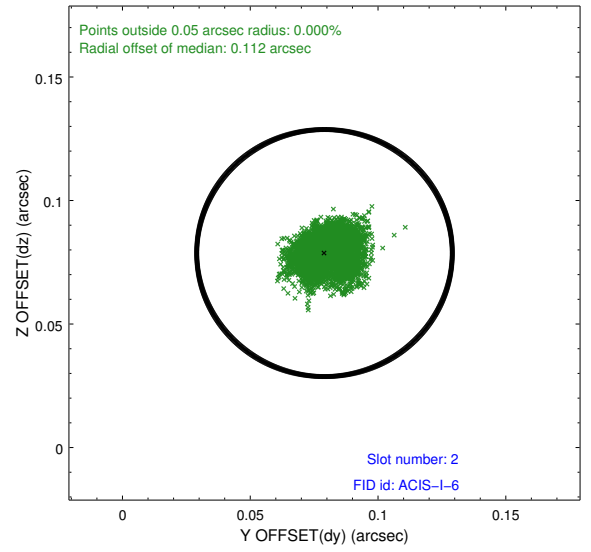
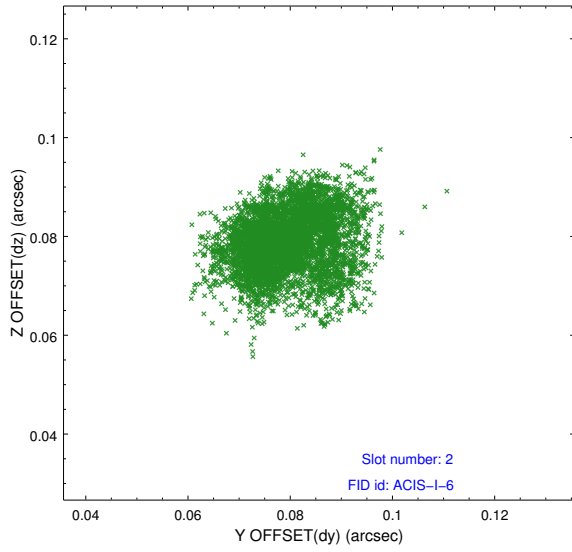
2.5.1 Slot 0



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)	2012.07.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.362600148916

A.2 Comments