

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10467 - L2 Version 2
Chandra X-Ray Center

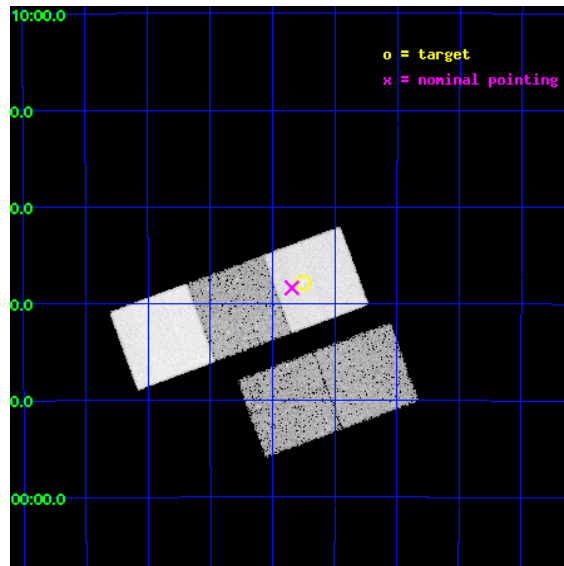
L2 Processing Date : May 24 2012

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1 Front

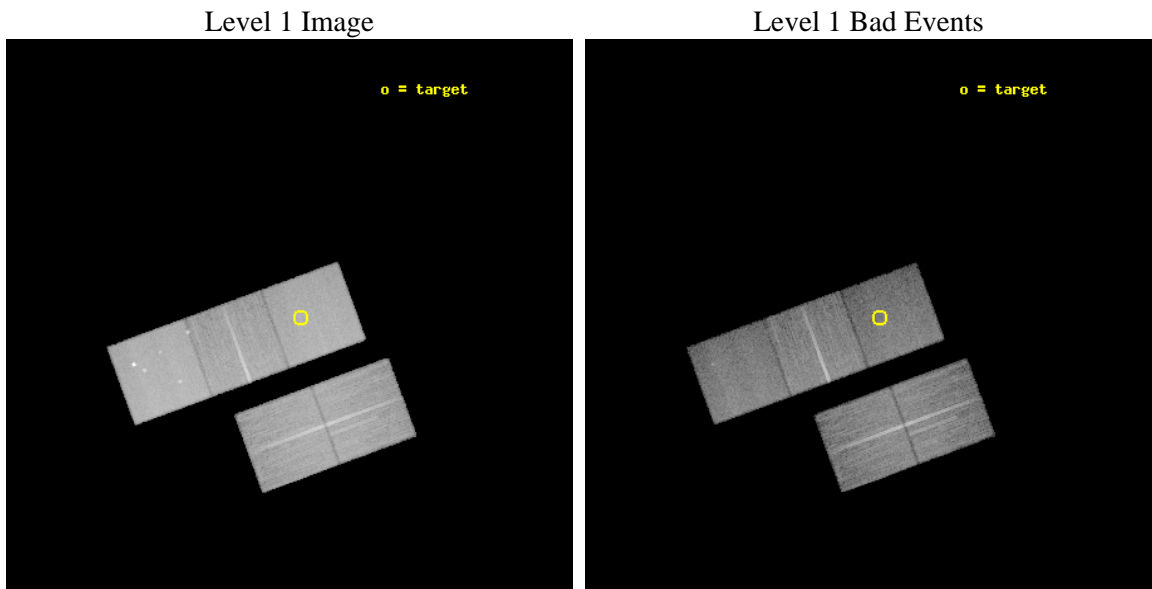
seq_num	800828	Sequence number
obs_id	10467	Observation id
title	The Formation of Brightest Cluster Galaxies	Proposal title
observer	Dr. John Mulchaey	Principal investigator
object	MZ 10451	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	37.439167	Observer's specified target RA [deg]
dec_targ	-29.630778	Observer's specified target Dec [deg]
ra_nom	37.460945933036	Nominal RA [deg]
dec_nom	-29.639478996778	Nominal Dec [deg]
roll_nom	339.86739499969	Nominal Roll [deg]
revision	2	Processing version of data
ontime	19030.900146365	Sum of GTIs [s]
livetime	18782.247425608	Livetime [s]
ontime2	19030.900146365	Sum of GTIs [s]
ontime3	19027.759146035	Sum of GTIs [s]
ontime5	19030.900146365	Sum of GTIs [s]
ontime6	19030.900146365	Sum of GTIs [s]
ontime7	19030.900146365	Sum of GTIs [s]
l2events	225934	Number of level 2 events



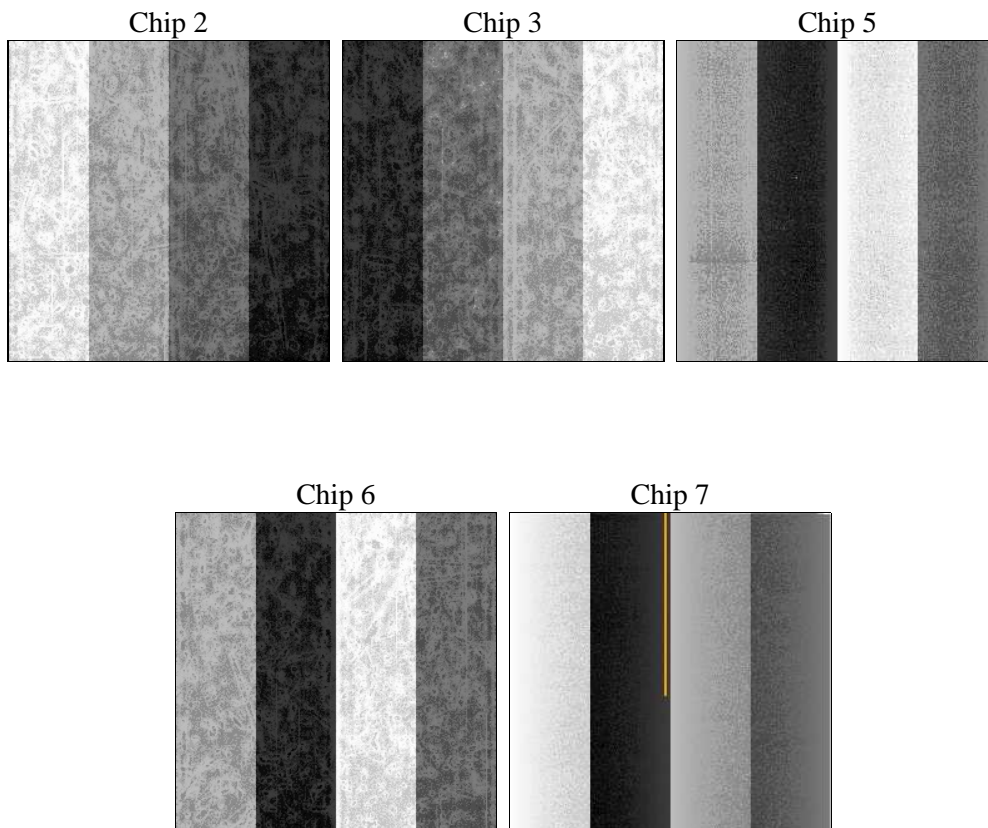
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	19000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	19030.900146365	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	19030.900146365	Sum of GTIs [s]
date	2012-05-24T02:32:36	Date and time of file creation	ontime3	19027.759146035	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	19030.900146365	Sum of GTIs [s]
			ontime6	19030.900146365	Sum of GTIs [s]
			ontime7	19030.900146365	Sum of GTIs [s]
			l1events	889898	Number of level 1 events

2.1.4 Events

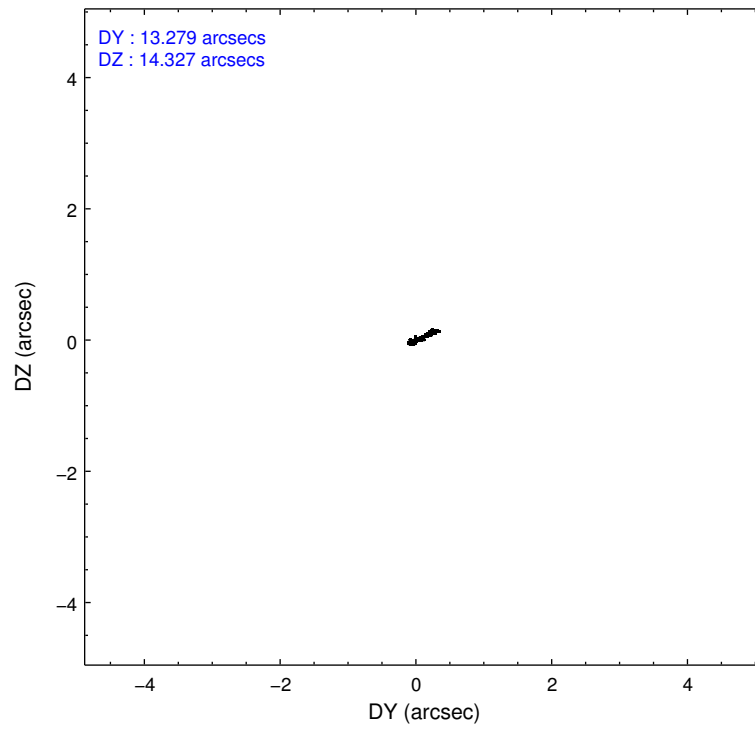
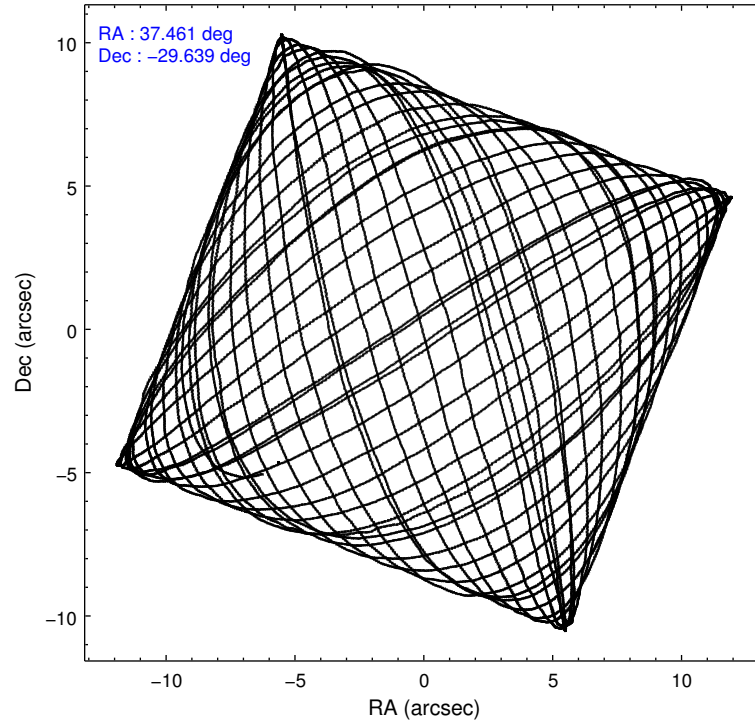
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	162046	157516	227870	159845	182621
rejected events	146389	142631	113798	143251	99807
rejected %	90%	90%	49%	89%	54%

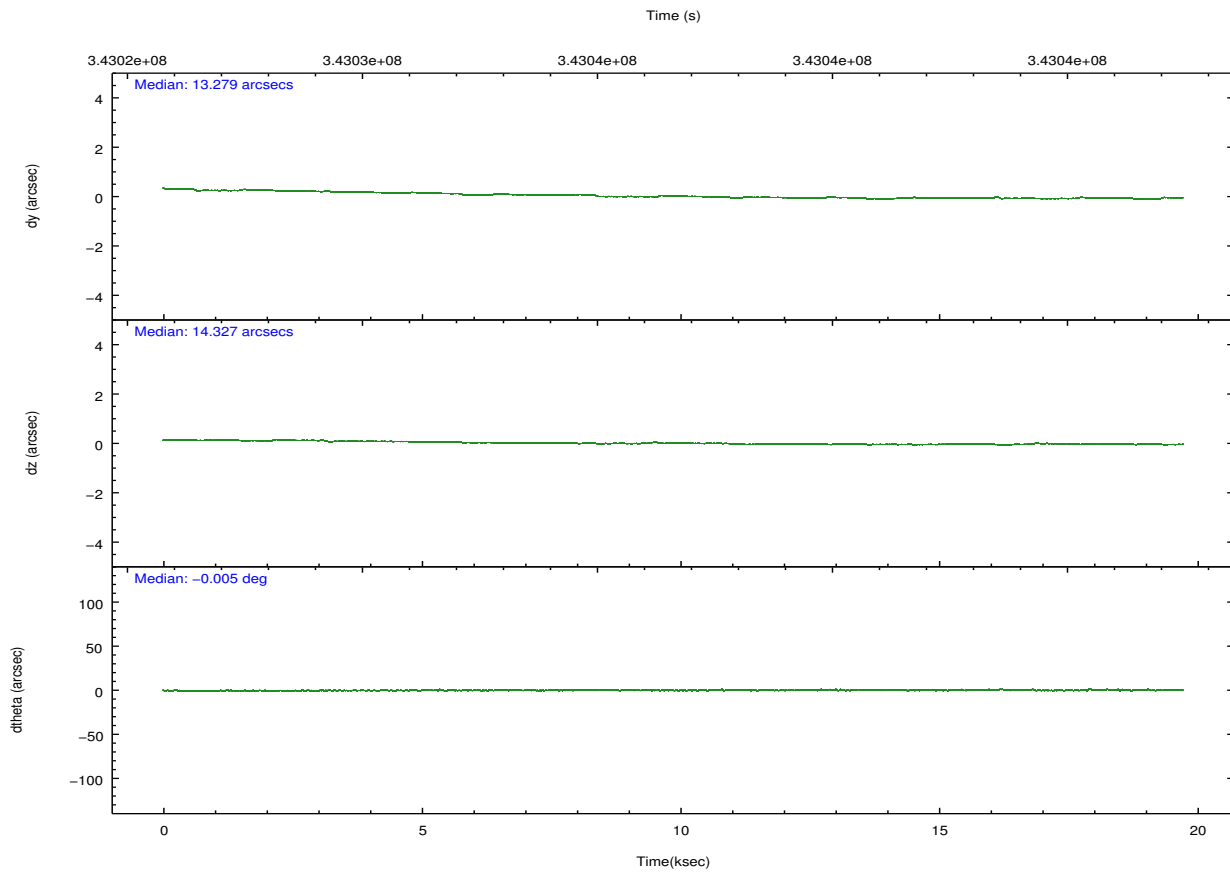
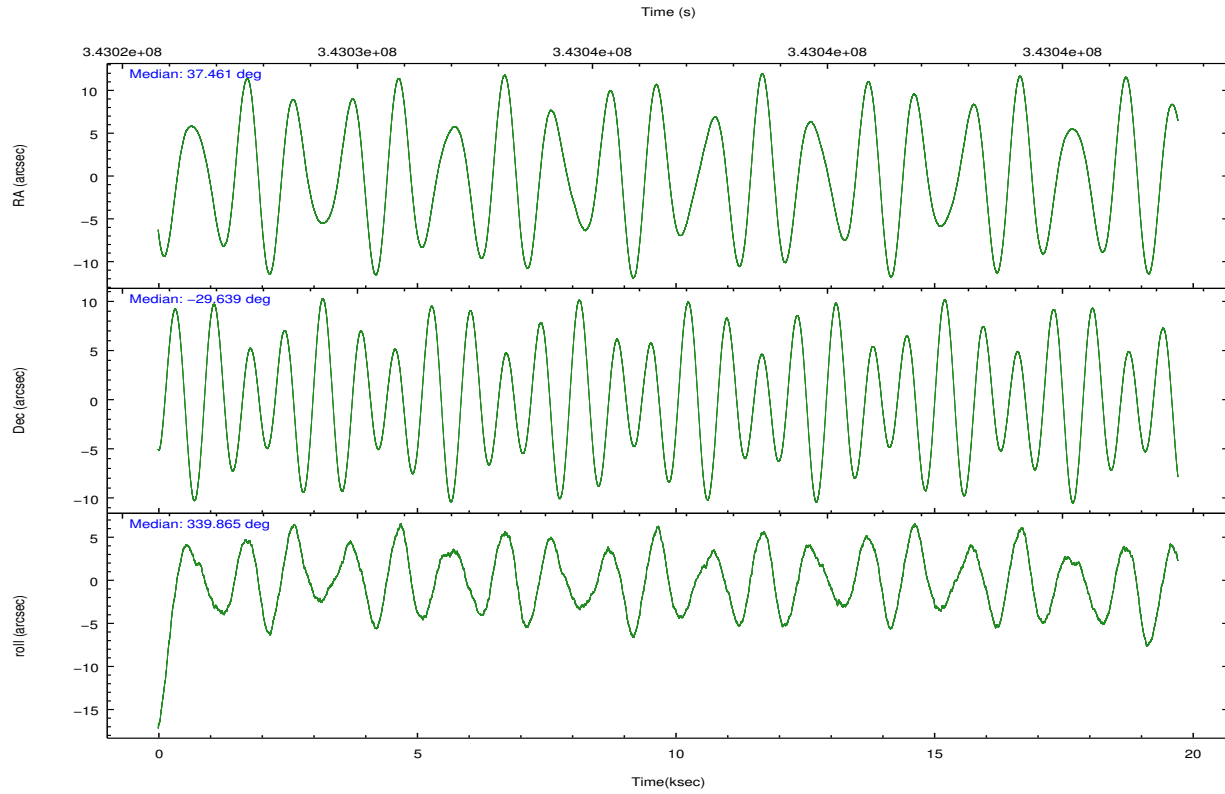
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	5597	5134	12882	5804	7950
	3%	3%	5%	3%	4%
grade 1 events	81	88	617	76	228
	0%	0%	0%	0%	0%
grade 2 events	3769	3227	33568	3640	16799
	2%	2%	14%	2%	9%
grade 3 events	1641	1692	4686	1777	7588
	1%	1%	2%	1%	4%
grade 4 events	1733	1691	4556	1786	7526
	1%	1%	1%	1%	4%
grade 5 events	5309	6446	17583	6644	19022
	3%	4%	7%	4%	10%
grade 6 events	2926	3145	58418	3593	42976
	1%	1%	25%	2%	23%
grade 7 events	140990	136093	95560	136525	80532
	87%	86%	41%	85%	44%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23567	ACIS-23567	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	37.430041	37.4609459330359	CCD I2 on	O1	Y
[deg] Pointing Dec	-29.644552	-29.6394789967779	CCD I3 on	O2	Y
[deg] Pointing Roll	339.695487	339.8673949996877	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	N	N
[s] Observation start time (MET)	343027456.184000	343026261.43117	CCD S5 on	N	N
Observation start date	2008-11-14T05:23:11	2008-11-14T05:04:21	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	343046456.184000	343047838.70724	On-chip summing requested	N	N
Observation end date	2008-11-14T10:39:51	2008-11-14T11:03:58	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



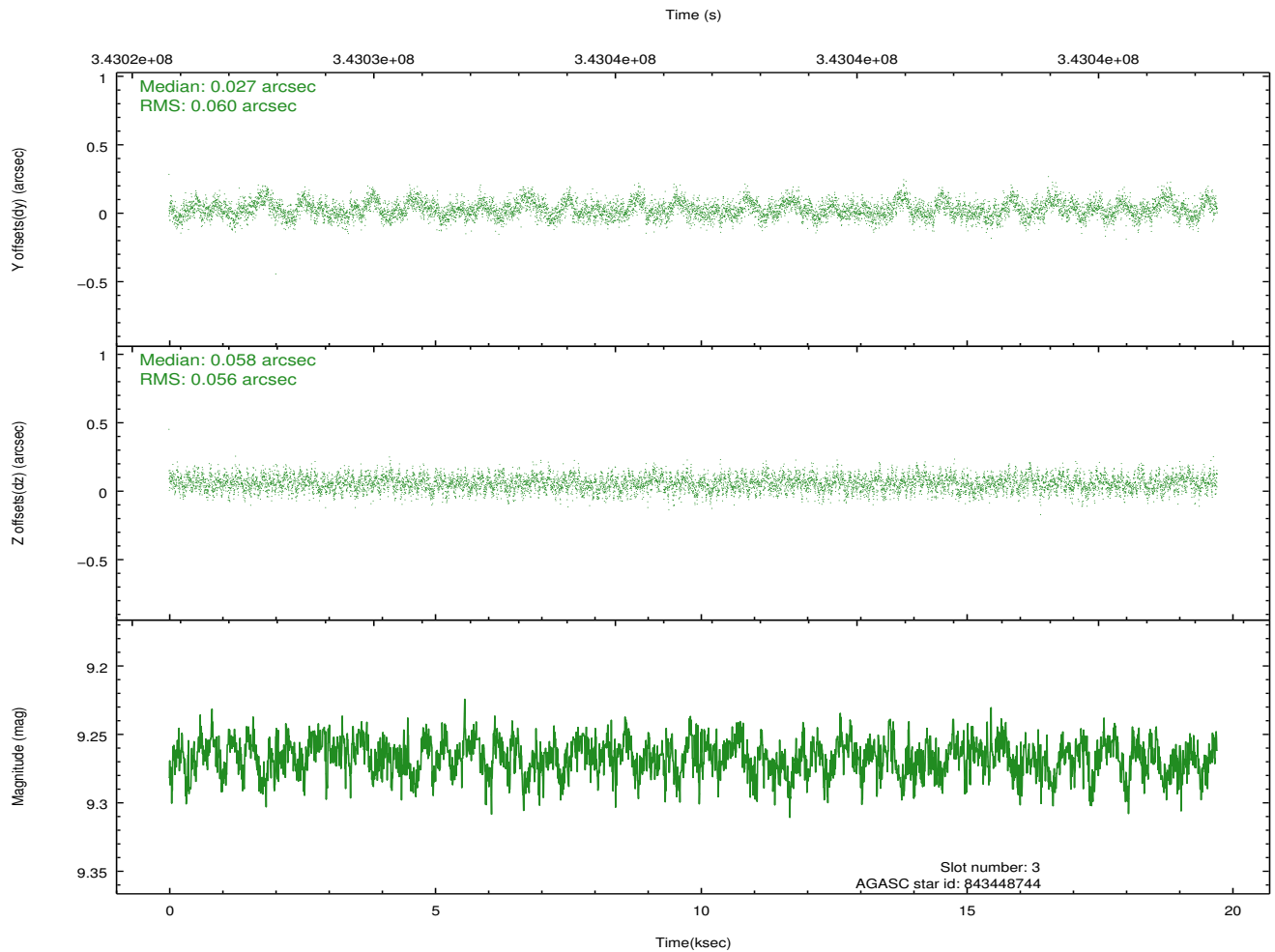
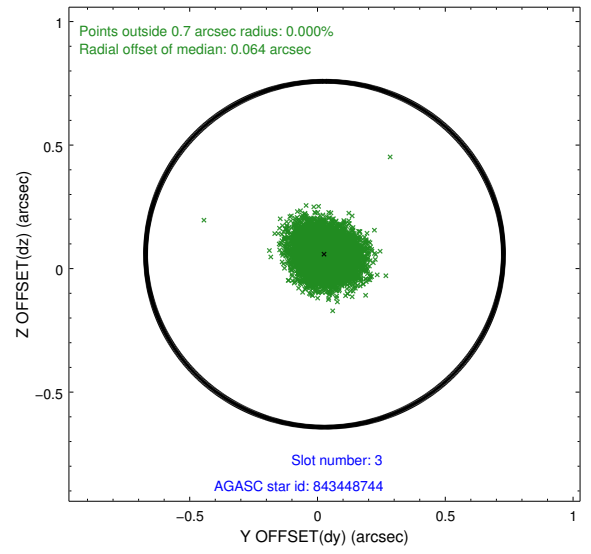
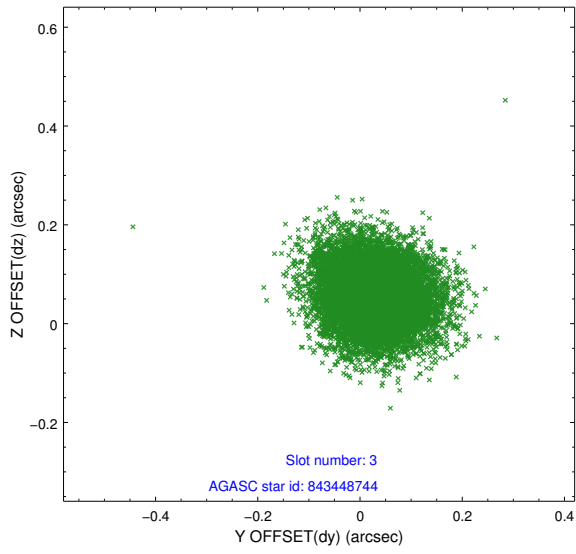


Slot Statistics

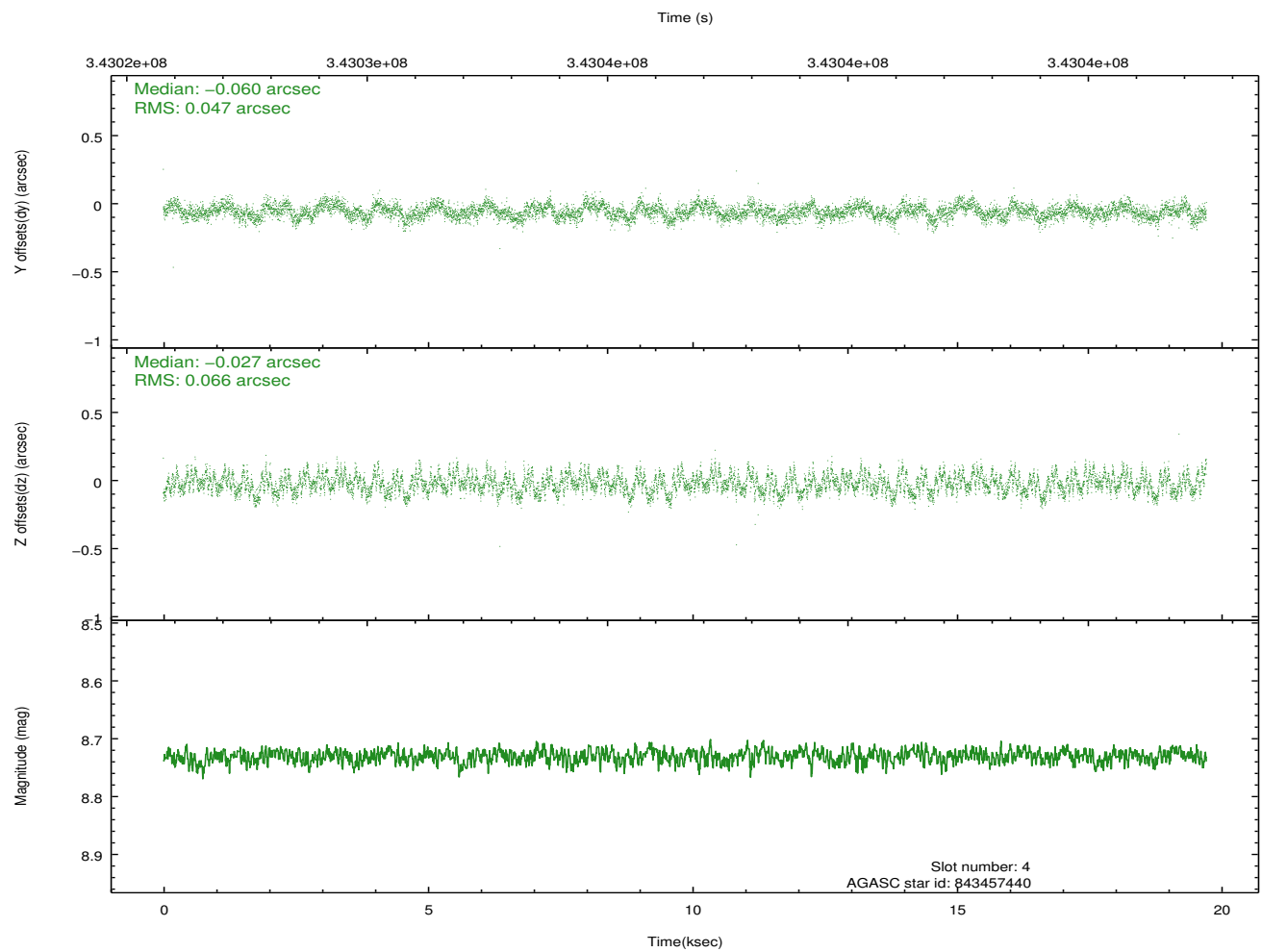
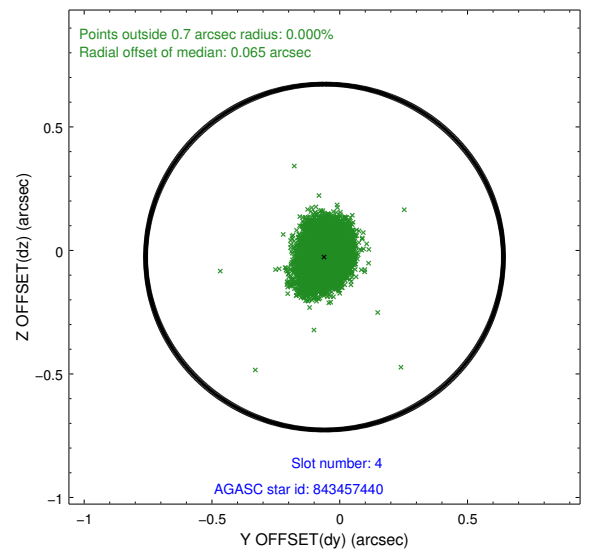
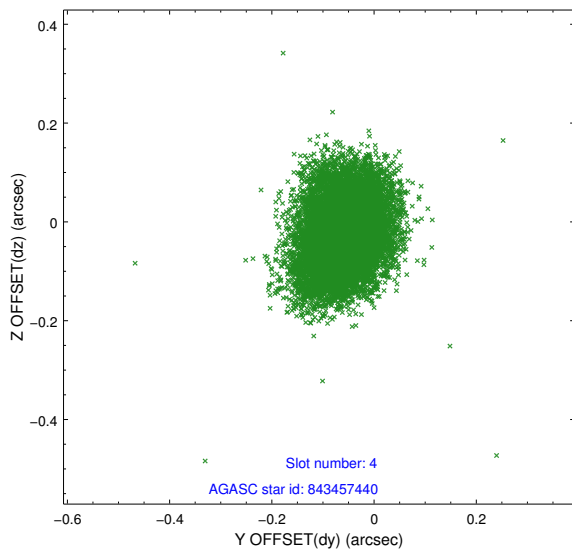
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.94	4810	-0.046	-0.035	0.007	0.011	0.000000	0.000000	-766.27	-1735.75
1	FID	ACIS-S-4	7.03	4810	0.175	0.032	0.007	0.014	0.000000	0.000000	2147.11	172.63
2	FID	ACIS-S-5	7.06	4810	-0.160	0.012	0.007	0.011	0.000000	0.000000	-1819.00	166.46
3	GUIDE	843448744	9.27	9609	0.027	0.058	0.088	0.140	37.502677	-29.743106	336.42	-254.04
4	GUIDE	843457440	8.73	9617	-0.060	-0.027	0.087	0.138	36.962323	-29.716224	-1280.18	-753.28
5	GUIDE	843465080	9.04	9616	0.053	0.071	0.079	0.128	37.107631	-29.646375	-942.81	-357.52
6	GUIDE	843465384	9.05	9610	-0.079	-0.033	0.098	0.158	37.150341	-29.273307	-1286.95	947.64
7	GUIDE	918817696	9.40	9604	0.066	-0.064	0.106	0.169	37.946127	-30.001076	1956.20	-648.60

2.4 Star Slots

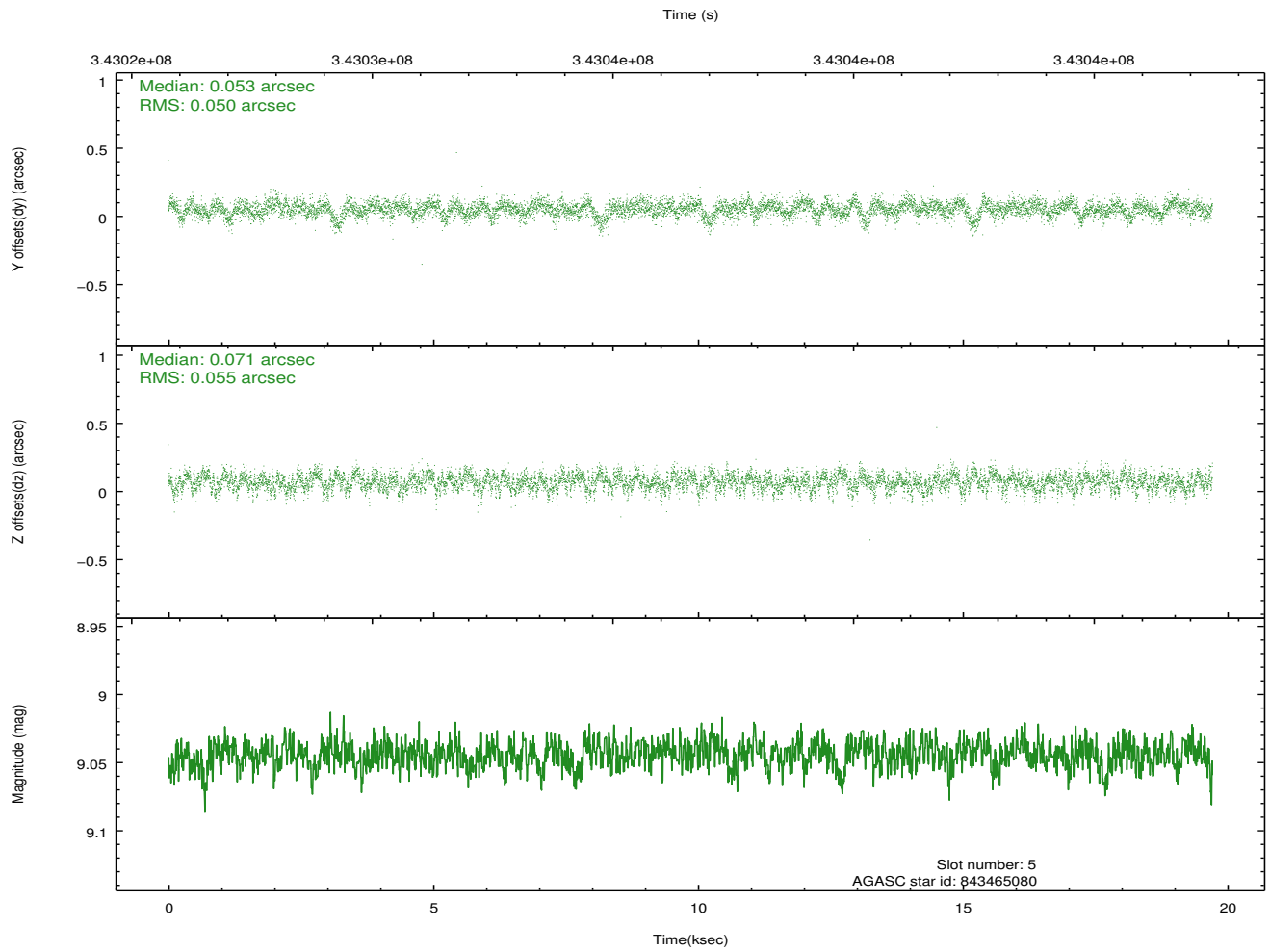
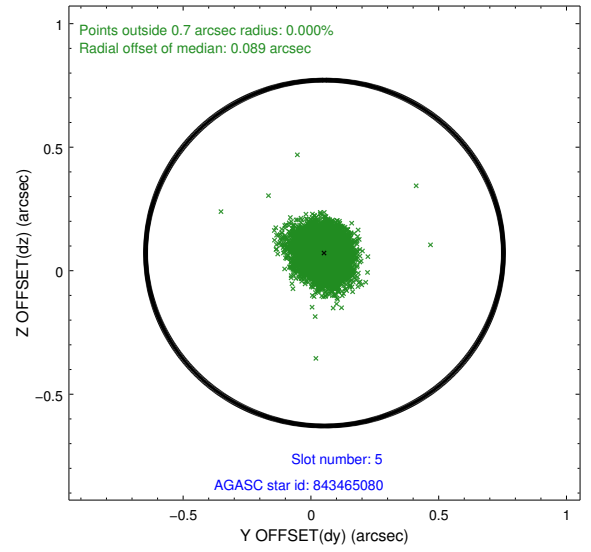
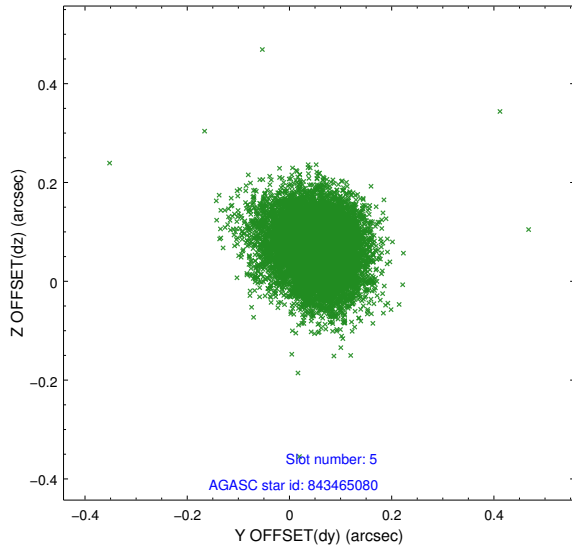
2.4.1 Slot 3



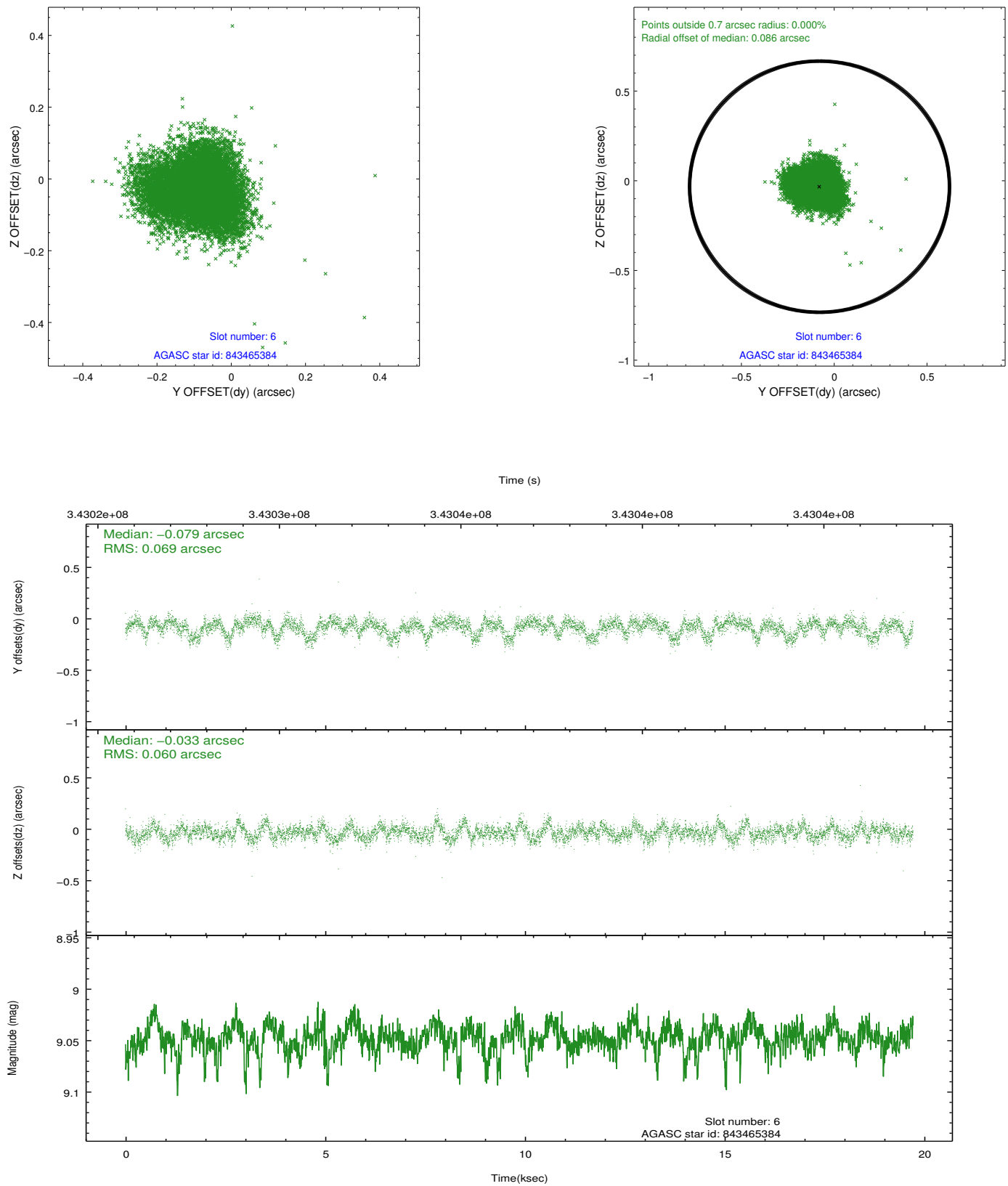
2.4.2 Slot 4



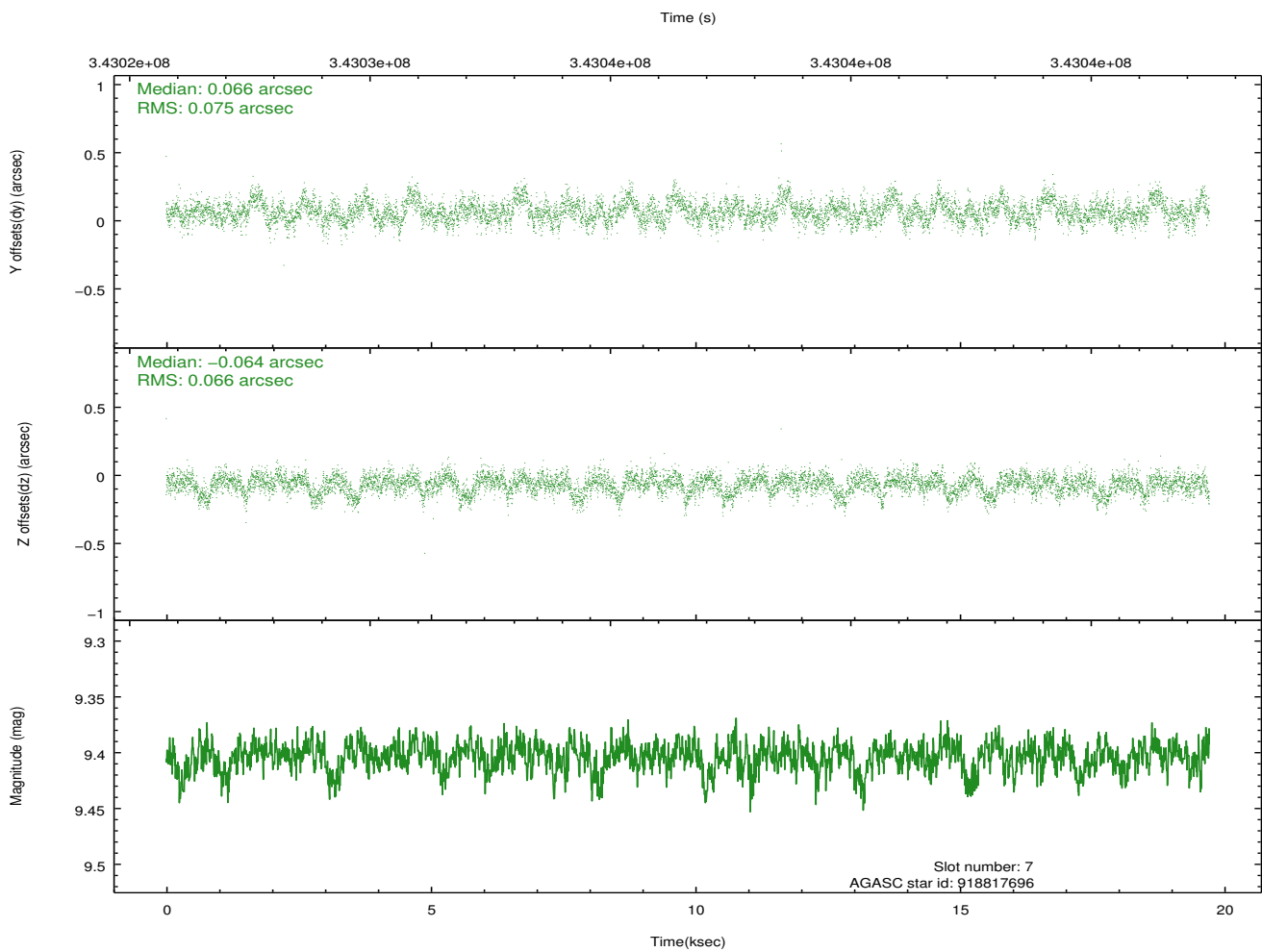
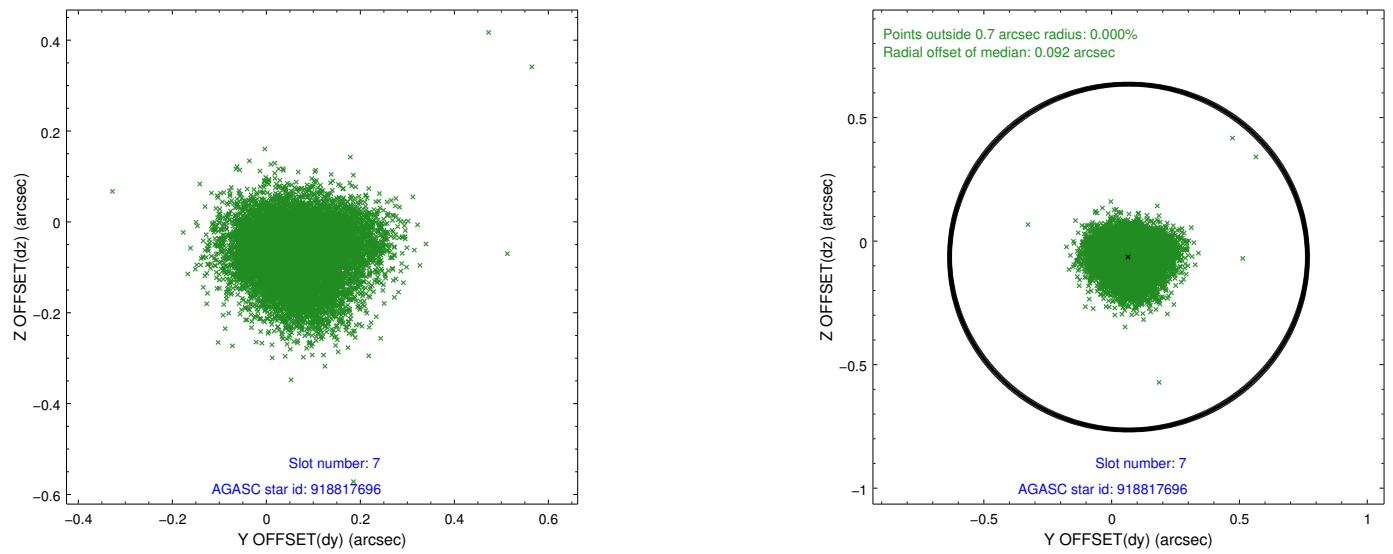
2.4.3 Slot 5



2.4.4 Slot 6

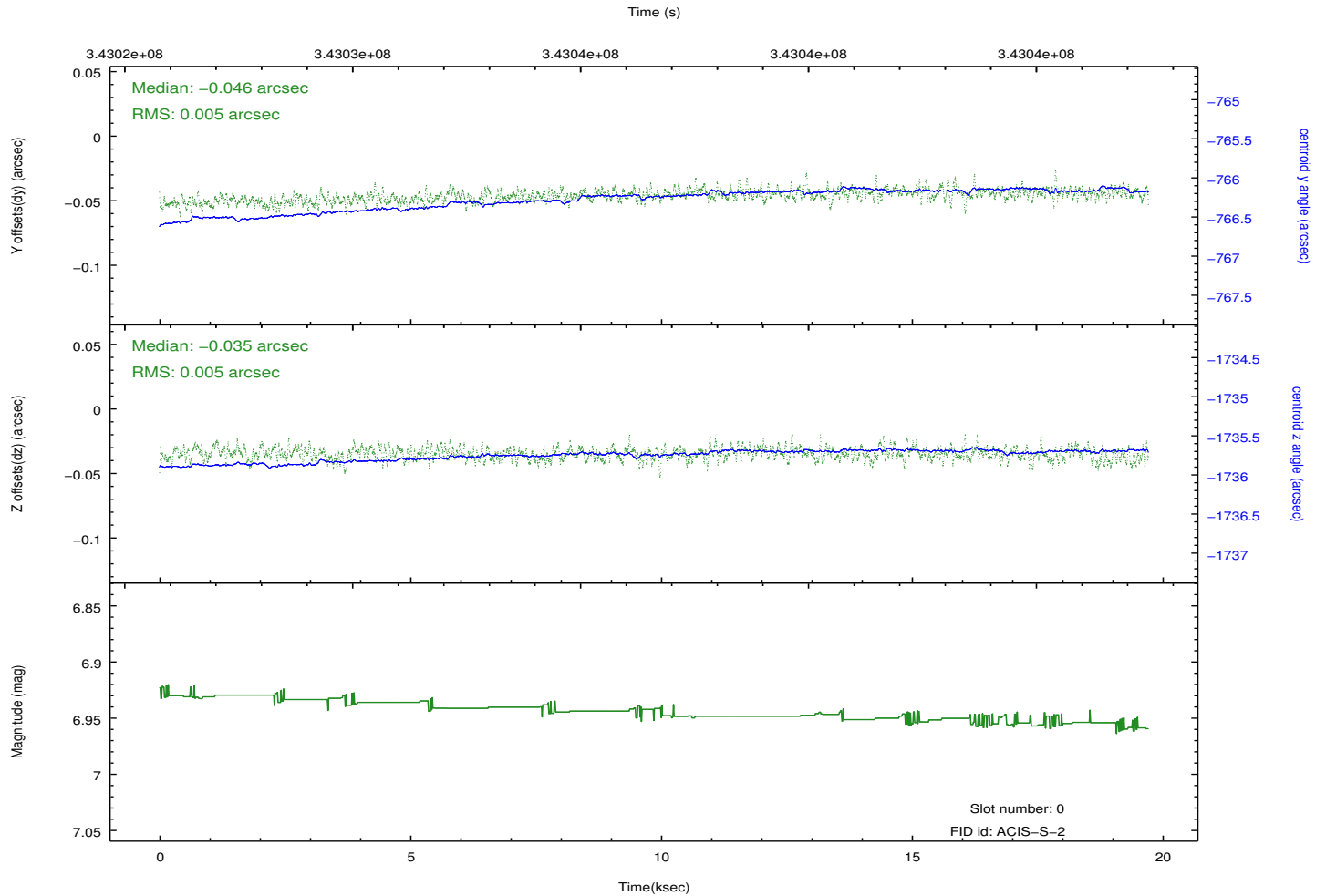
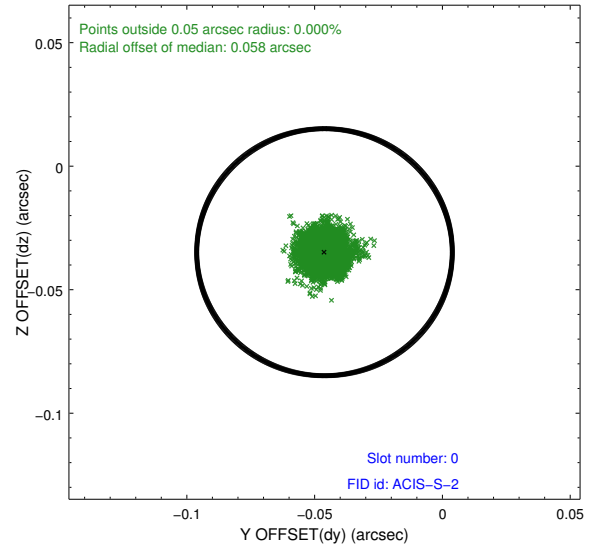
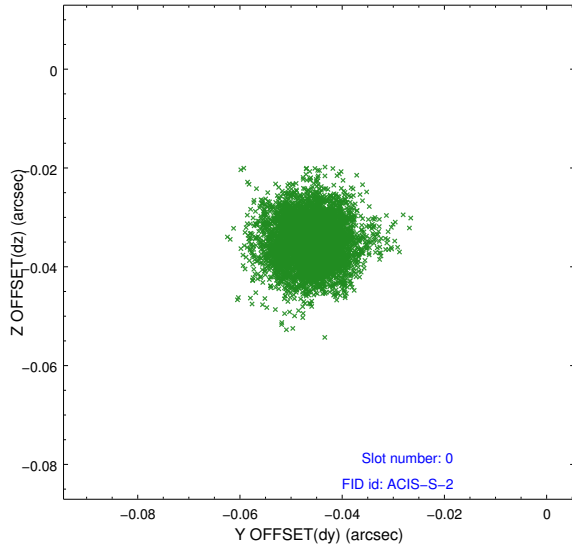


2.4.5 Slot 7

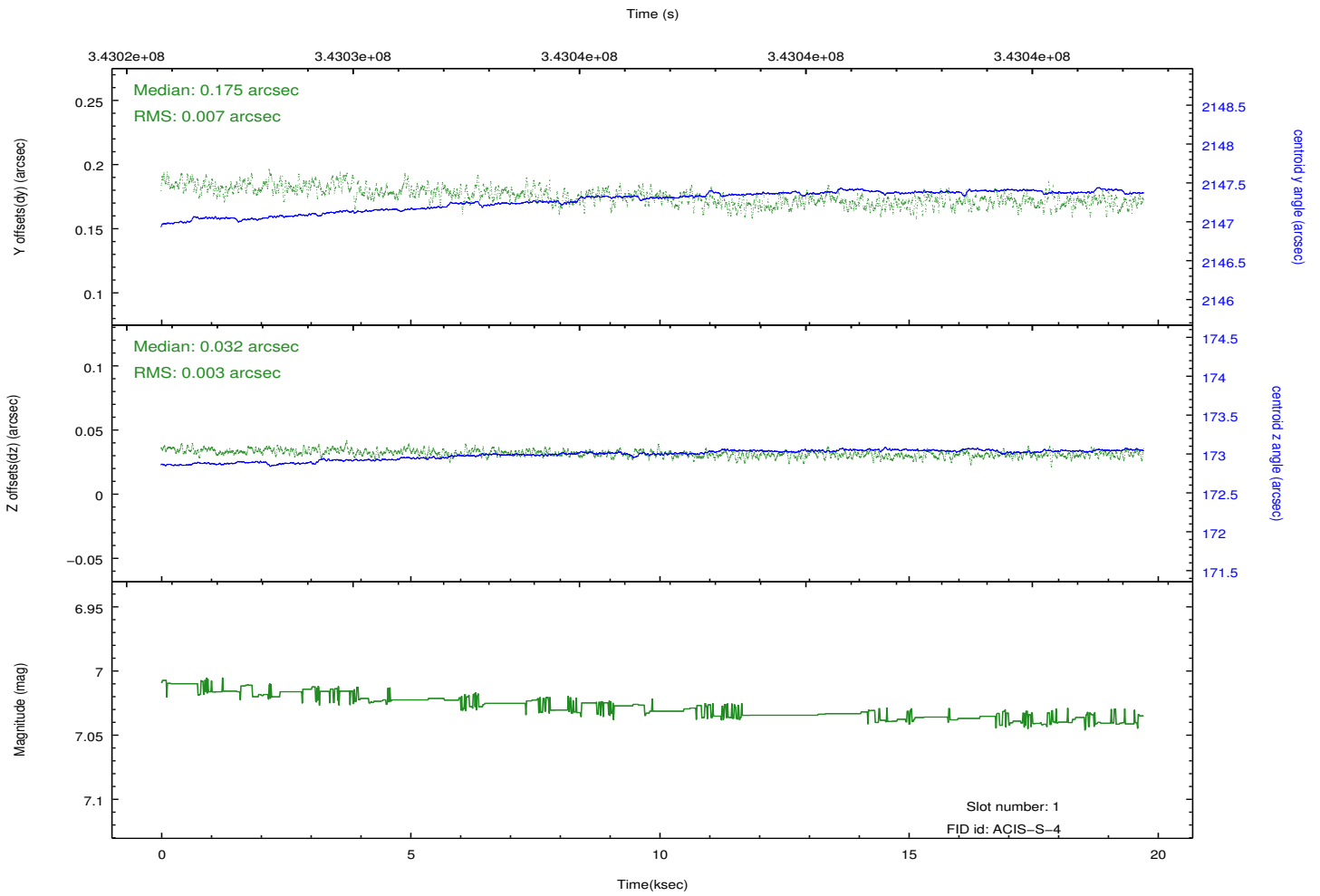
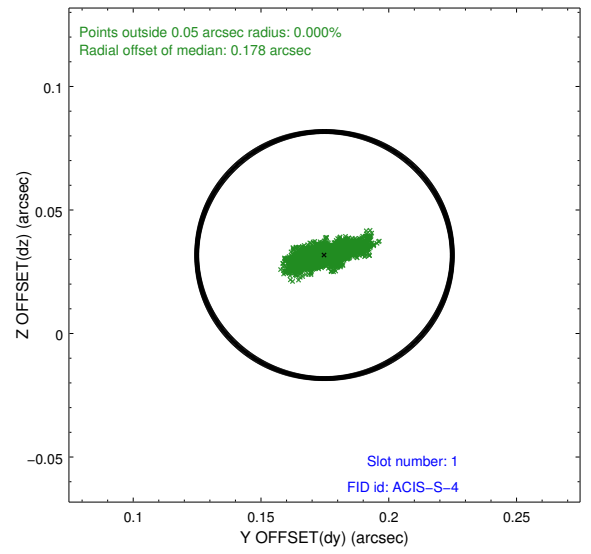
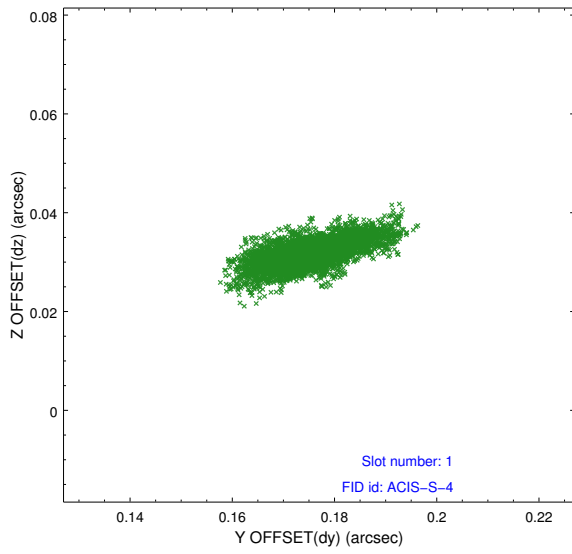


2.5 FID Slots

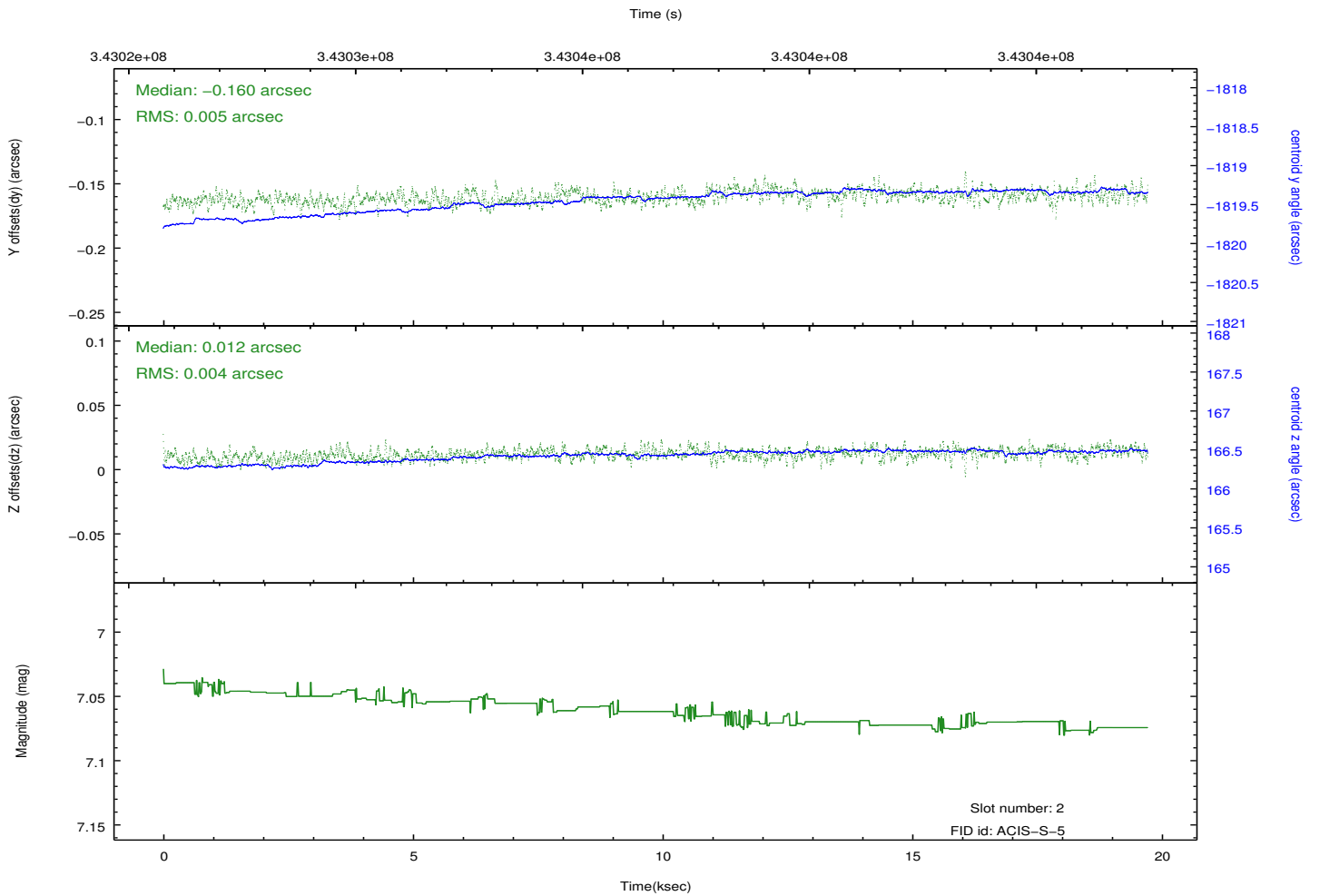
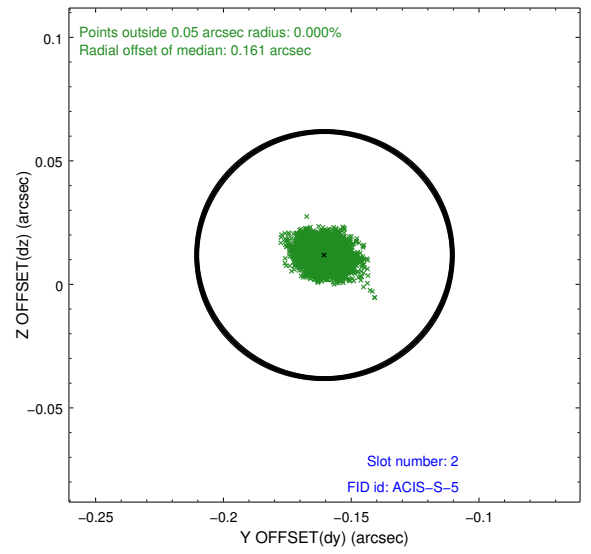
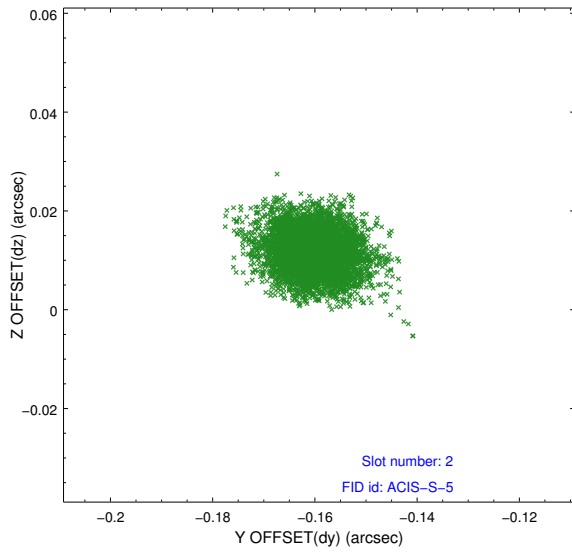
2.5.1 Slot 0



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)	2012.05.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.0309001

A.2 Comments

Joint proposal with HST.