

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 22136 - L2 Version 1
Chandra X-Ray Center

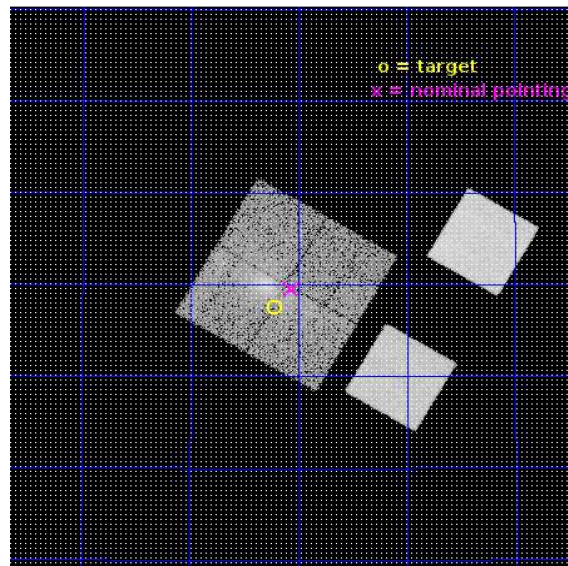
L2 Processing Date : Feb 25 2019

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1 Front

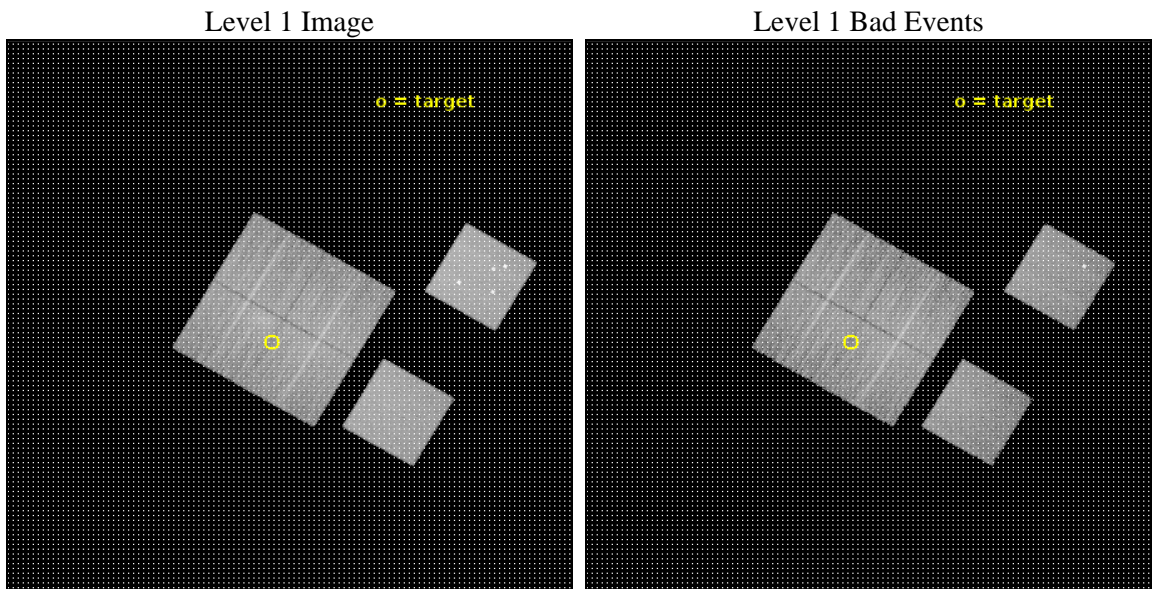
seq_num	801786	Sequence number
obs_id	22136	Observation id
title	Abell 1763: A Giant Gas Sloshing Spiral But No Cool Core	Proposal
observer	Edmund Douglass	Principal investigator
object	Abell 1763	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	203.804167	Observer's specified target RA [deg]
dec_targ	40.96	Observer's specified target Dec [deg]
ra_nom	203.76638347798	Nominal RA [deg]
dec_nom	40.992840651828	Nominal Dec [deg]
roll_nom	120.23342011073	Nominal Roll [deg]
revision	1	Processing version of data
ontime	12953.402920246	Sum of GTIs [s]
livetime	12789.379132867	Livetime [s]
ontime0	12953.600193024	Sum of GTIs [s]
ontime1	12953.402920246	Sum of GTIs [s]
ontime2	12953.44396019	Sum of GTIs [s]
ontime3	12953.485000253	Sum of GTIs [s]
ontime5	12953.526040196	Sum of GTIs [s]
ontime7	12953.567080259	Sum of GTIs [s]
l2events	172887	Number of level 2 events



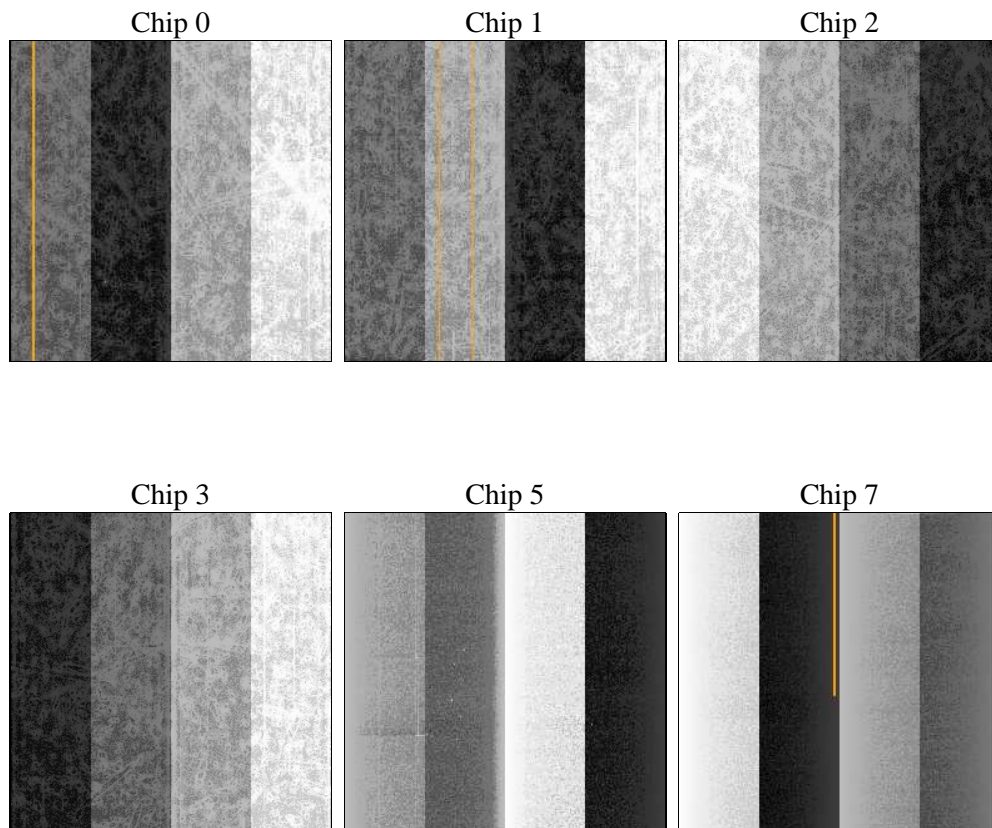
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	13000.000000	[s] Scheduled observation exposure time
ascdsver	10.7.1	Processing system revision	ontime	12953.402920246	Sum of GTIs [s]
caldsver	4.8.2	 	ontime0	12953.600193024	Sum of GTIs [s]
date	2019-02-25T20:58:36	Date and time of file creation	ontime1	12953.402920246	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	12953.44396019	Sum of GTIs [s]
			ontime3	12953.485000253	Sum of GTIs [s]
			ontime5	12953.526040196	Sum of GTIs [s]
			ontime7	12953.567080259	Sum of GTIs [s]
			l1events	695782	Number of level 1 events

2.1.4 Events

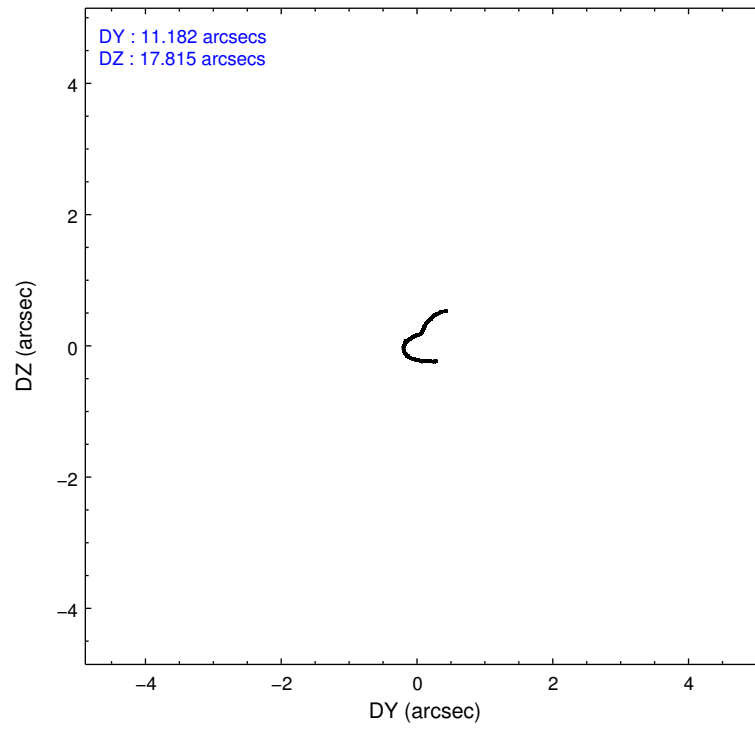
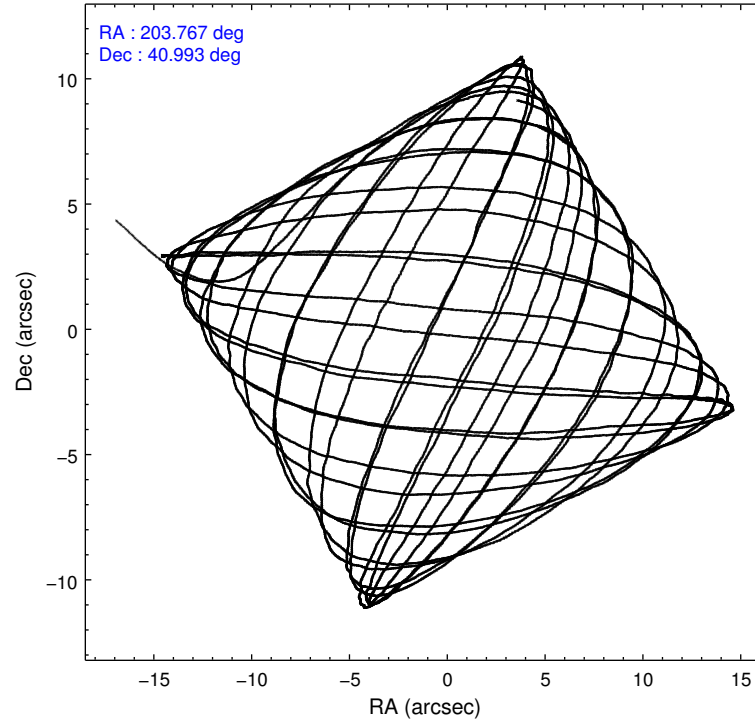
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 5	ccd 7
level 1 events	96971	99014	101087	100160	170350	128200	grade 0 events	4465	8473	4344	4574	14012	4729
rejected events	84712	80884	89701	88511	84178	72515		4%	8%	4%	4%	8%	3%
rejected %	87%	81%	88%	88%	49%	56%	grade 1 events	64	69	65	66	446	192
								0%	0%	0%	0%	0%	0%
							grade 2 events	3113	4112	2742	2471	25250	11863
								3%	4%	2%	2%	14%	9%
							grade 3 events	1115	1374	1069	1153	2268	4398
								1%	1%	1%	1%	1%	3%
							grade 4 events	1093	1303	1022	1153	2195	4246
								1%	1%	1%	1%	1%	3%
							grade 5 events	4341	4393	4241	4706	10942	12716
								4%	4%	4%	4%	6%	9%
							grade 6 events	2480	2874	2210	2300	42468	30462
								2%	2%	2%	2%	24%	23%
							grade 7 events	80300	76416	85394	83737	72769	59594
								82%	77%	84%	83%	42%	46%

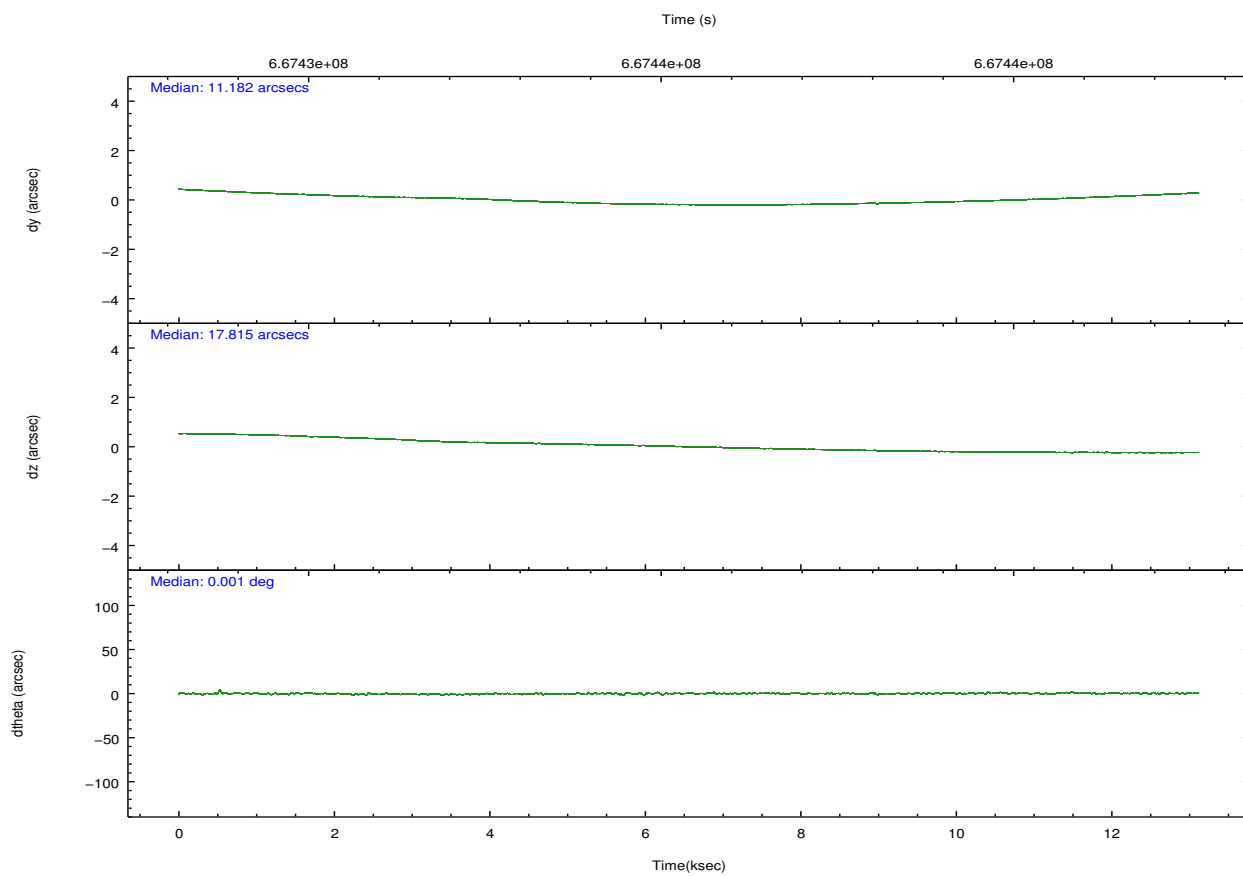
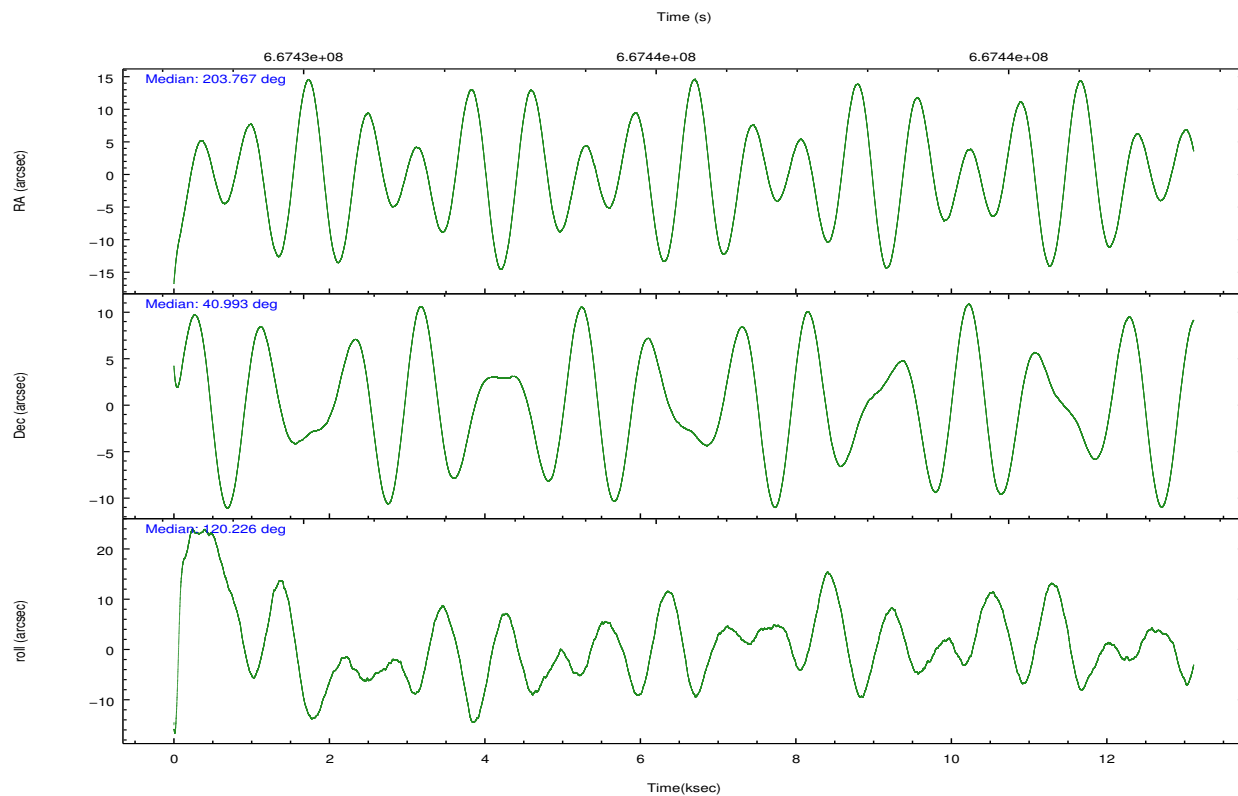
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012357	ACIS-012357
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	203.798190	203.7663834779833
[deg] Pointing Dec	40.979212	40.99284065182781
[deg] Pointing Roll	120.003917	120.2334201107272
[mm] SIM focus pos	-0.782348	-0.7809083437167272
[mm] SIM defocus	0	0.001439871863259334
[mm] SIM translation stage pos	-233.592463	-233.5874344608287
[mm] SIM translation stage offset	0	-0.005018542100998502
[s] Observation start time (MET)	667428962.184000	667427841.6327699
Observation start date	2019-02-24T20:54:53	2019-02-24T20:37:21
[s] Observation end time (MET)	667441962.184000	667442519.6336499
Observation end date	2019-02-25T00:31:33	2019-02-25T00:41:59
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
CCD I0 on	Y	Y
CCD I1 on	Y	Y
CCD I2 on	Y	Y
CCD I3 on	Y	Y
CCD S0 on	N	N
CCD S1 on	O1	Y
CCD S2 on	N	N
CCD S3 on	Y	Y
CCD S4 on	N	N
CCD S5 on	N	N
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

2.3 Aspect



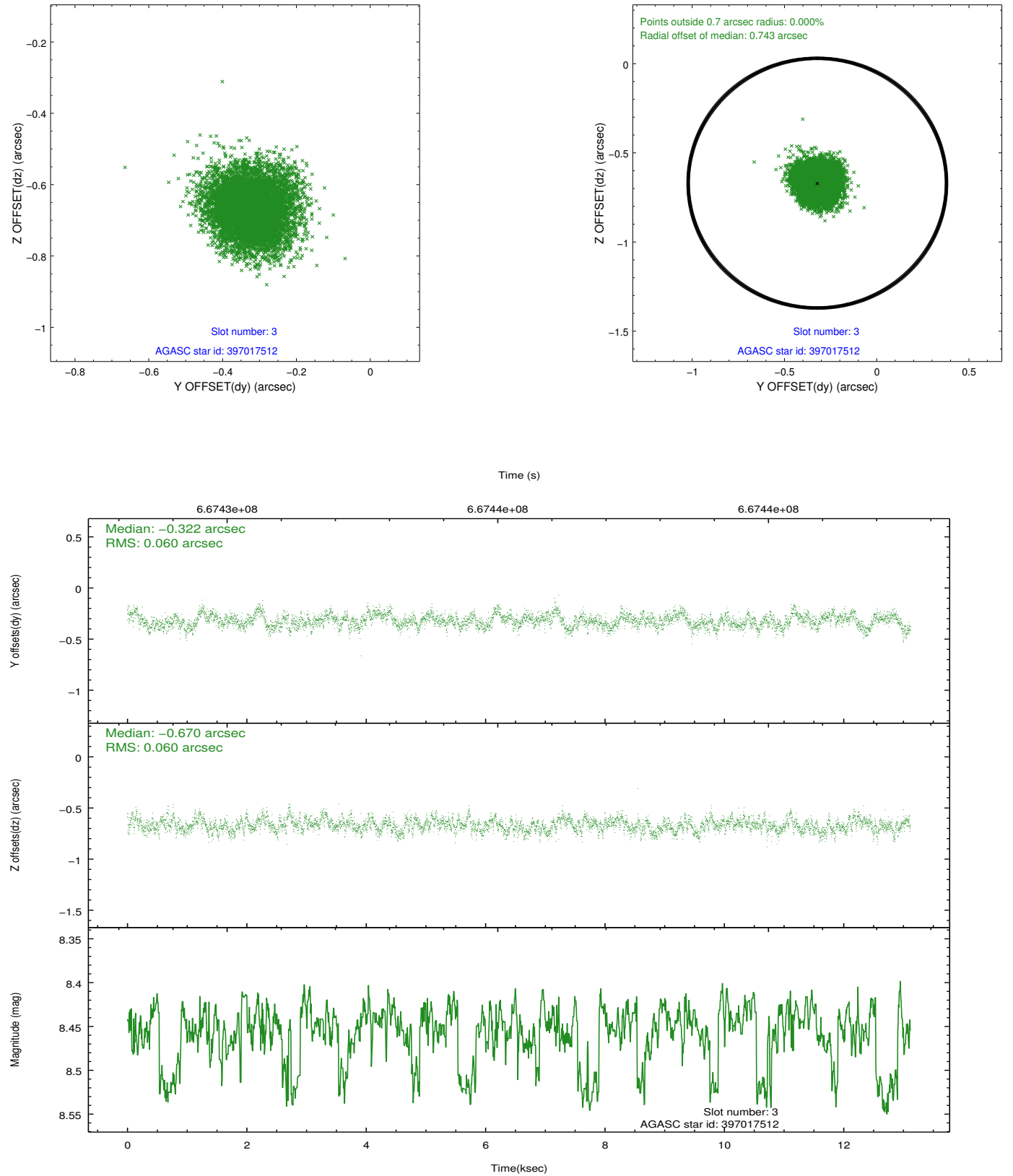


Slot Statistics

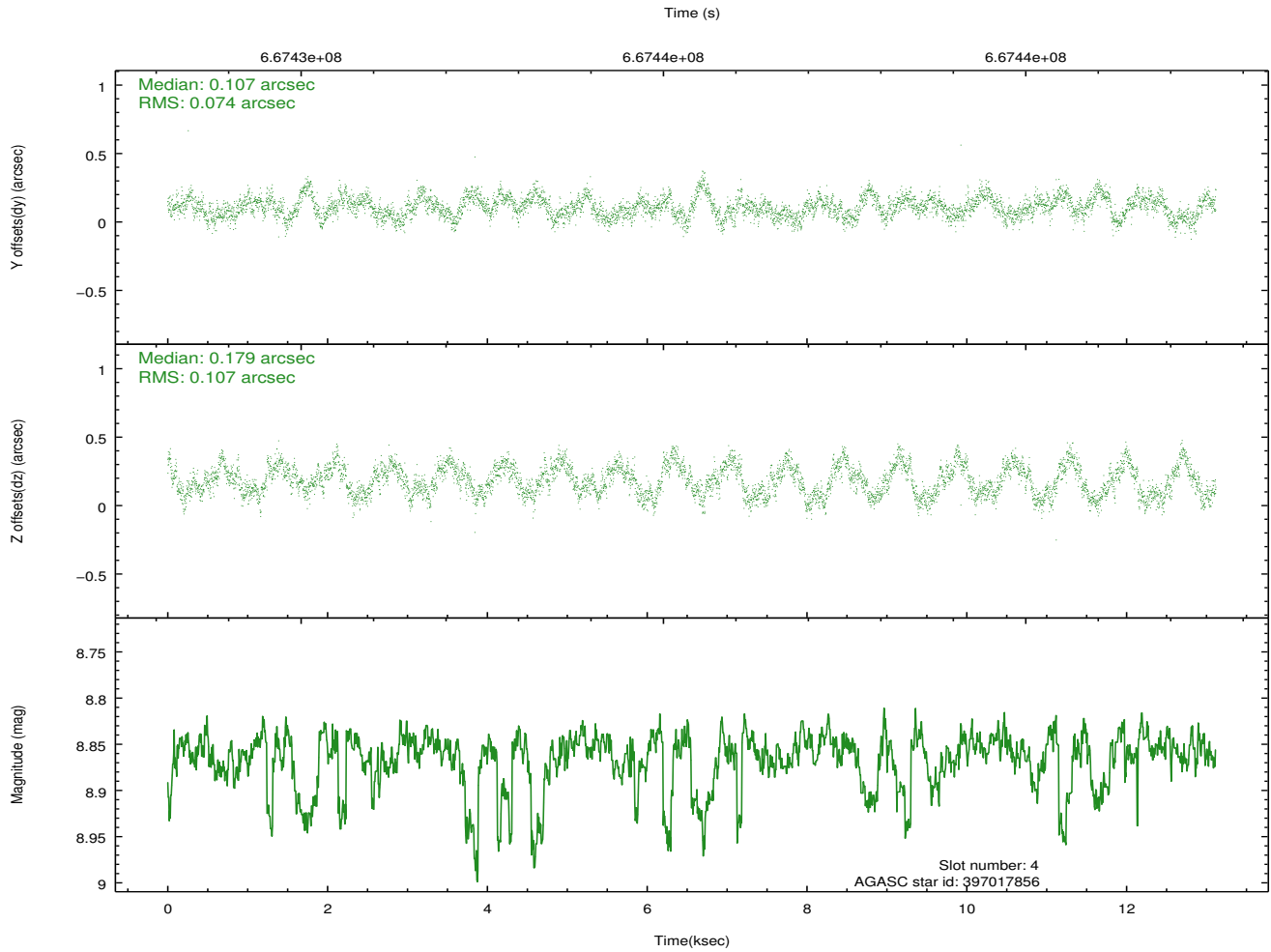
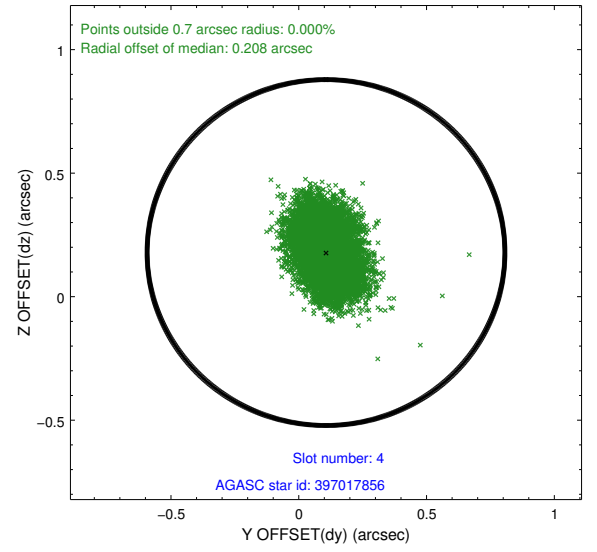
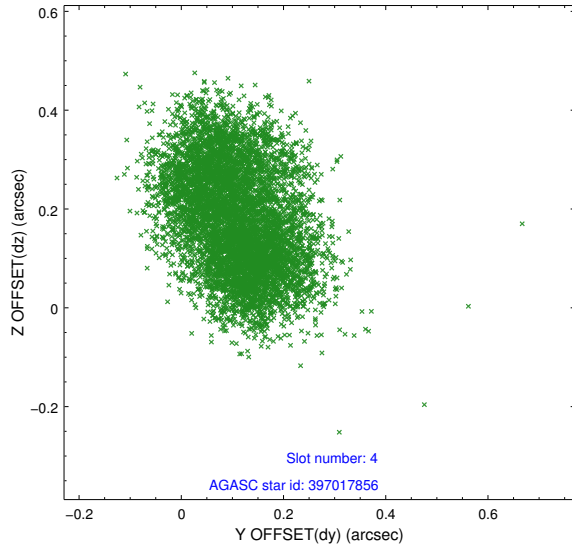
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-1	7.11	3200	1.000	0.114	-0.069	0.012	0.020	0.000000	0.000000	928.42	-841
1	FID		ACIS-I-3	7.32	3200	1.000	-0.134	0.113	0.008	0.015	0.000000	0.000000	45.87	-974
2	FID		ACIS-I-6	7.09	3200	1.000	-0.068	0.023	0.014	0.028	0.000000	0.000000	394.11	1700
3	GUIDE	used	397017512	8.45	6393	1.000	-0.322	-0.670	0.090	0.145	203.541204	41.269966	1255.29	78
4	GUIDE	used	397017856	8.86	6394	1.000	0.107	0.179	0.142	0.213	204.301076	41.001312	-609.92	-1224
5	GUIDE	used	397020624	8.51	6395	1.000	0.041	0.195	0.140	0.213	204.395156	41.434823	618.80	-2215
6	GUIDE	used	397020968	9.25	6387	1.000	0.243	0.485	0.185	0.295	204.498416	41.216332	-201.49	-2072
7	GUIDE	used	397024152	8.84	6363	1.000	-0.068	-0.191	0.114	0.189	203.568845	40.711407	-521.56	1023

2.4 Star Slots

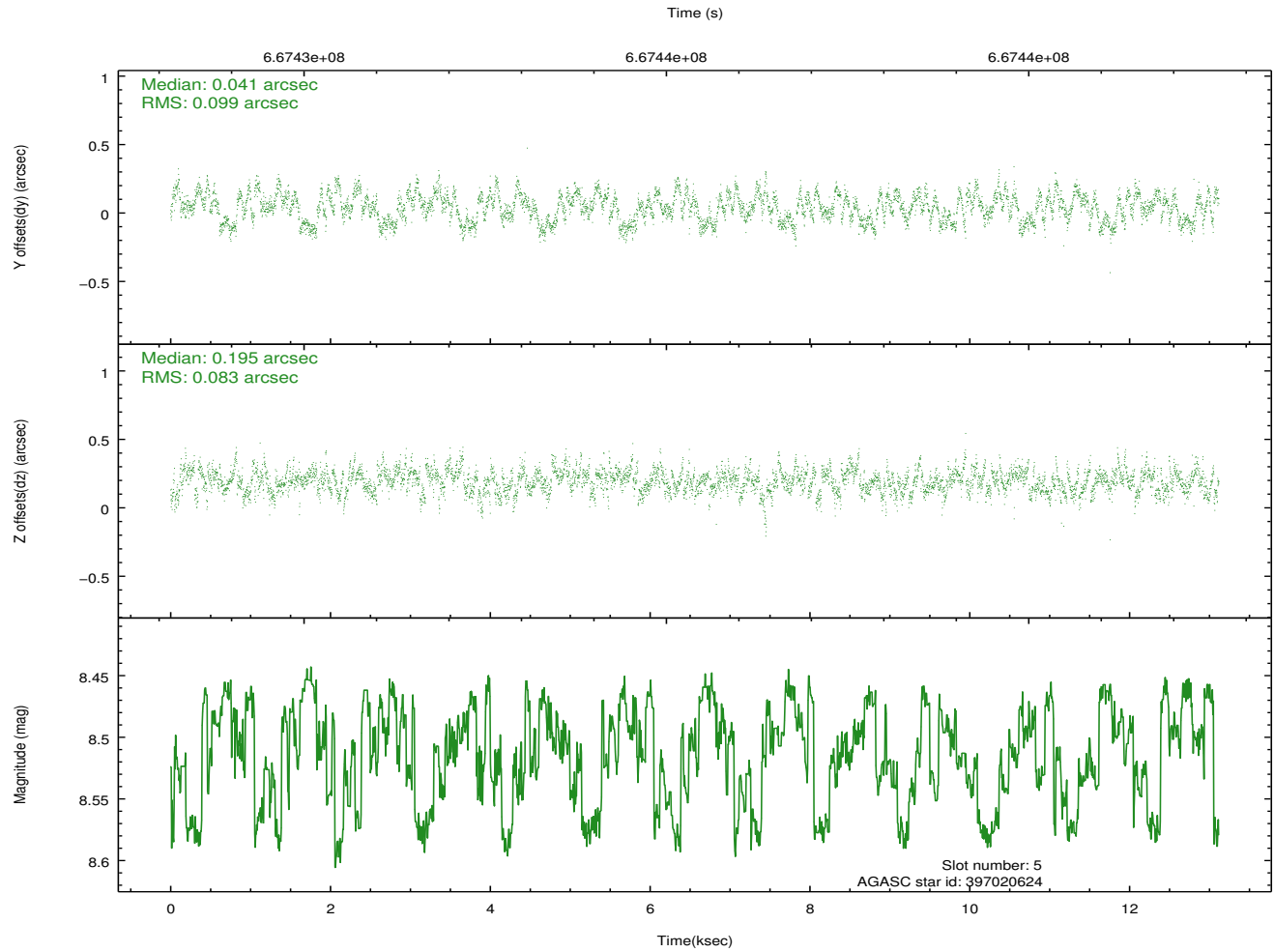
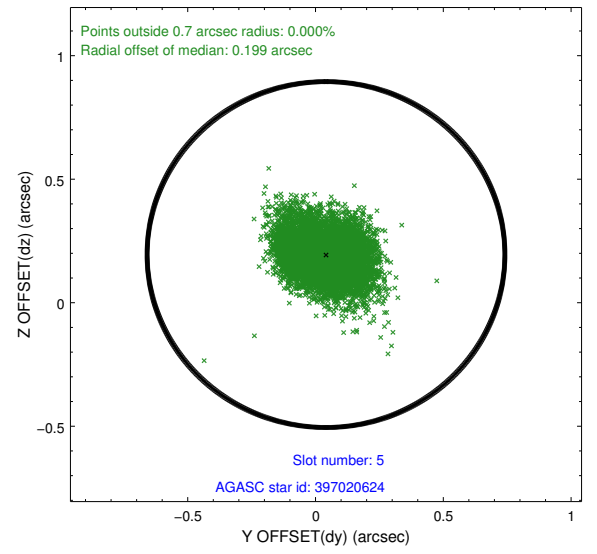
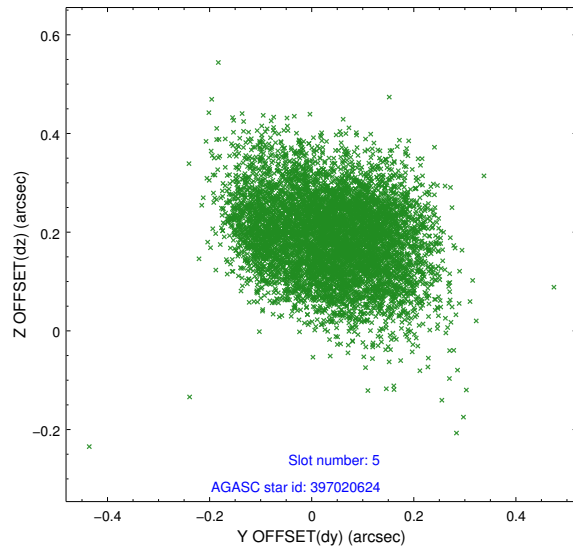
2.4.1 Slot 3



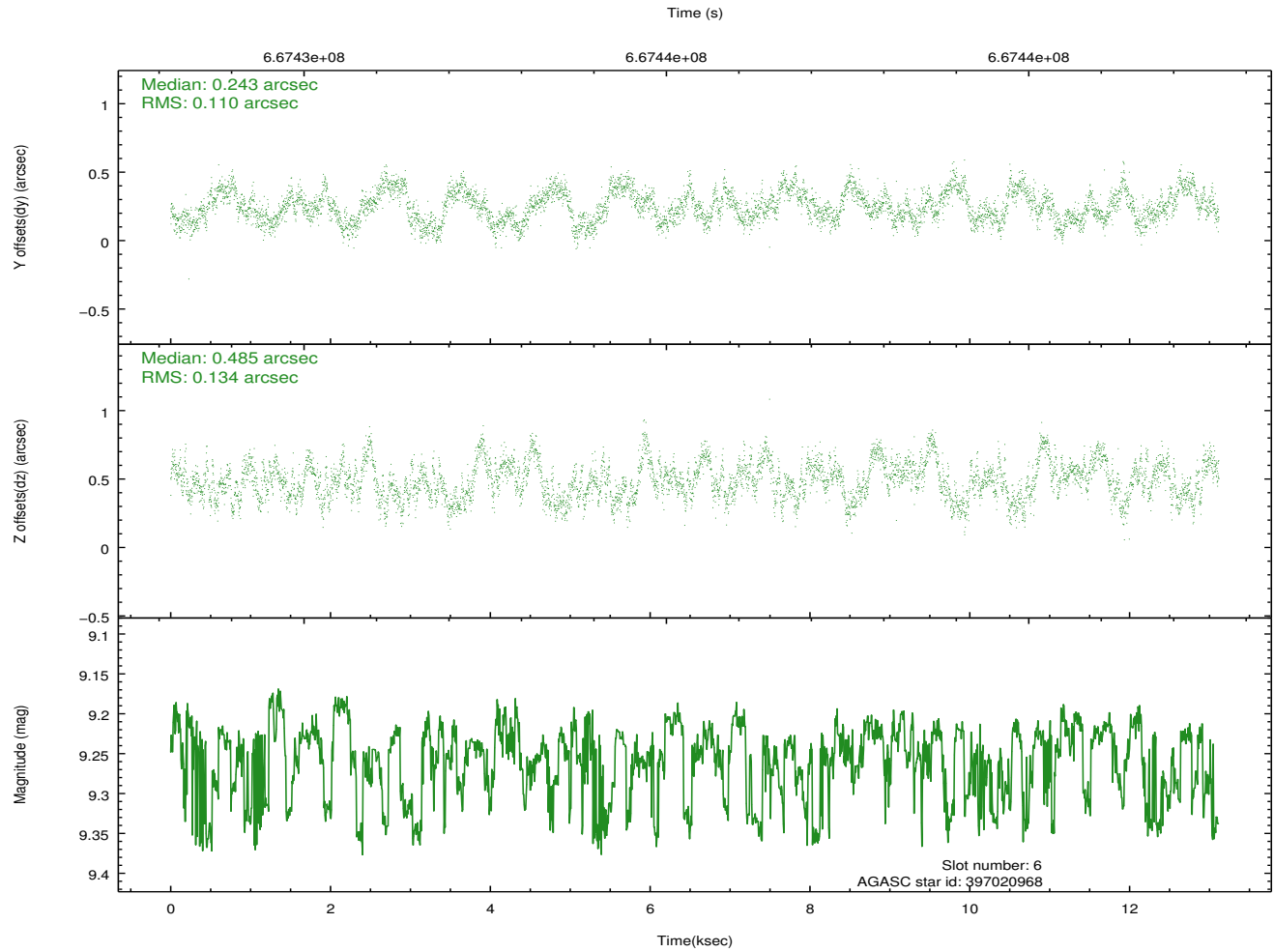
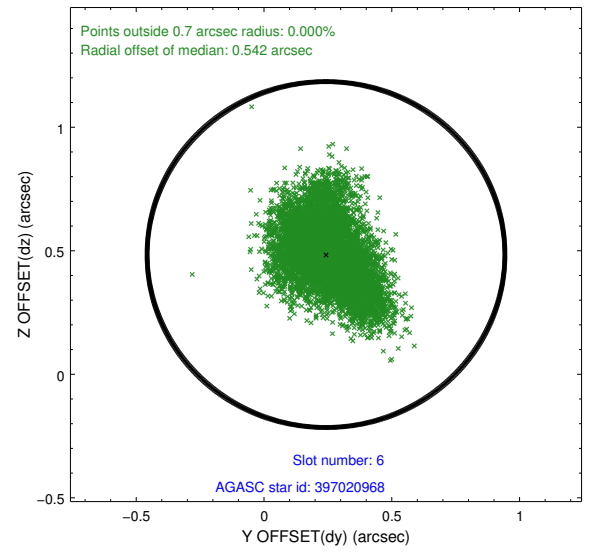
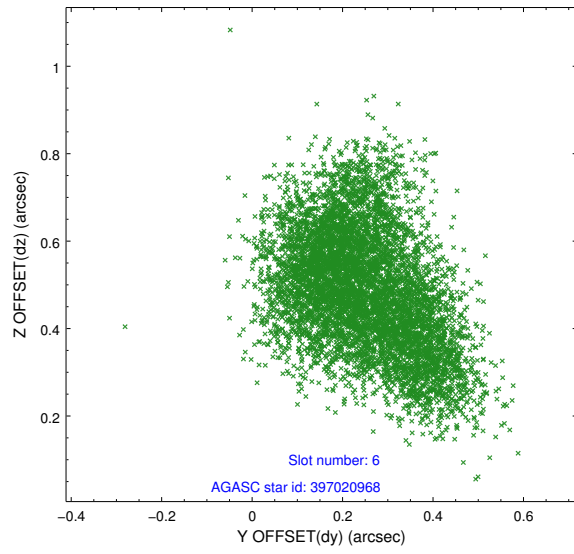
2.4.2 Slot 4



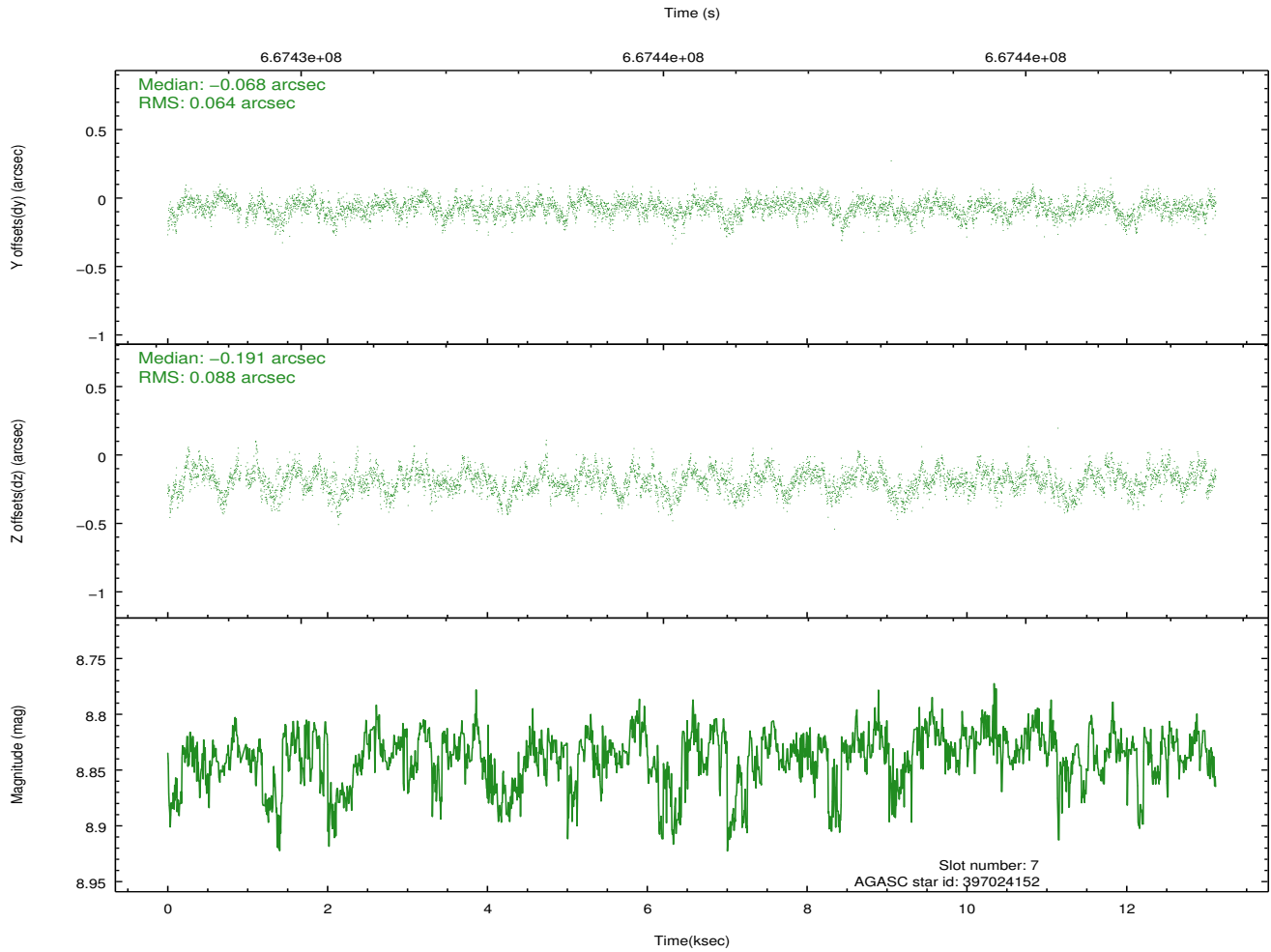
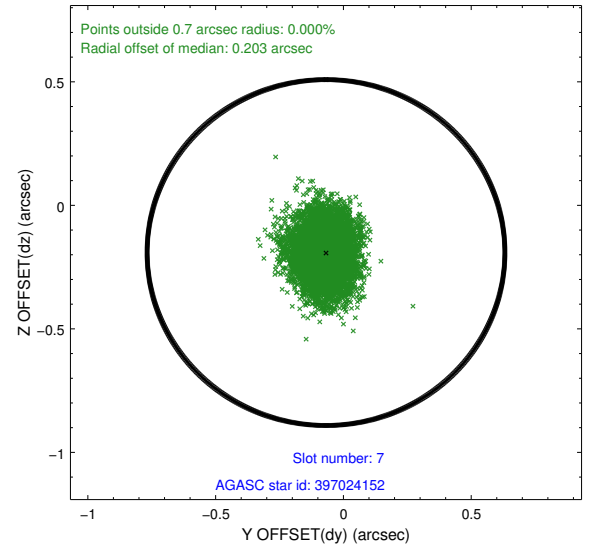
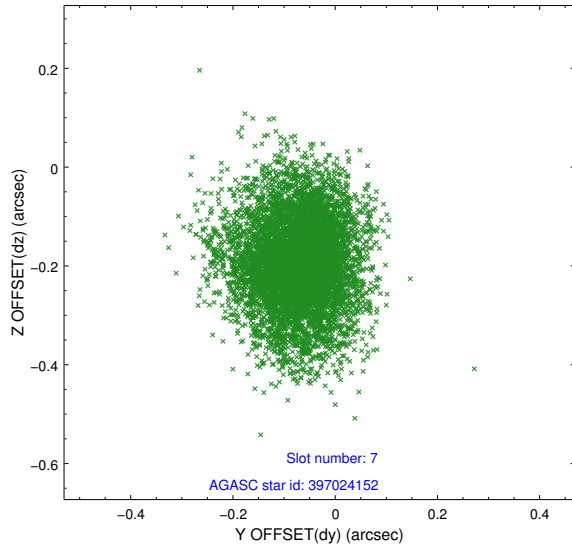
2.4.3 Slot 5



2.4.4 Slot 6

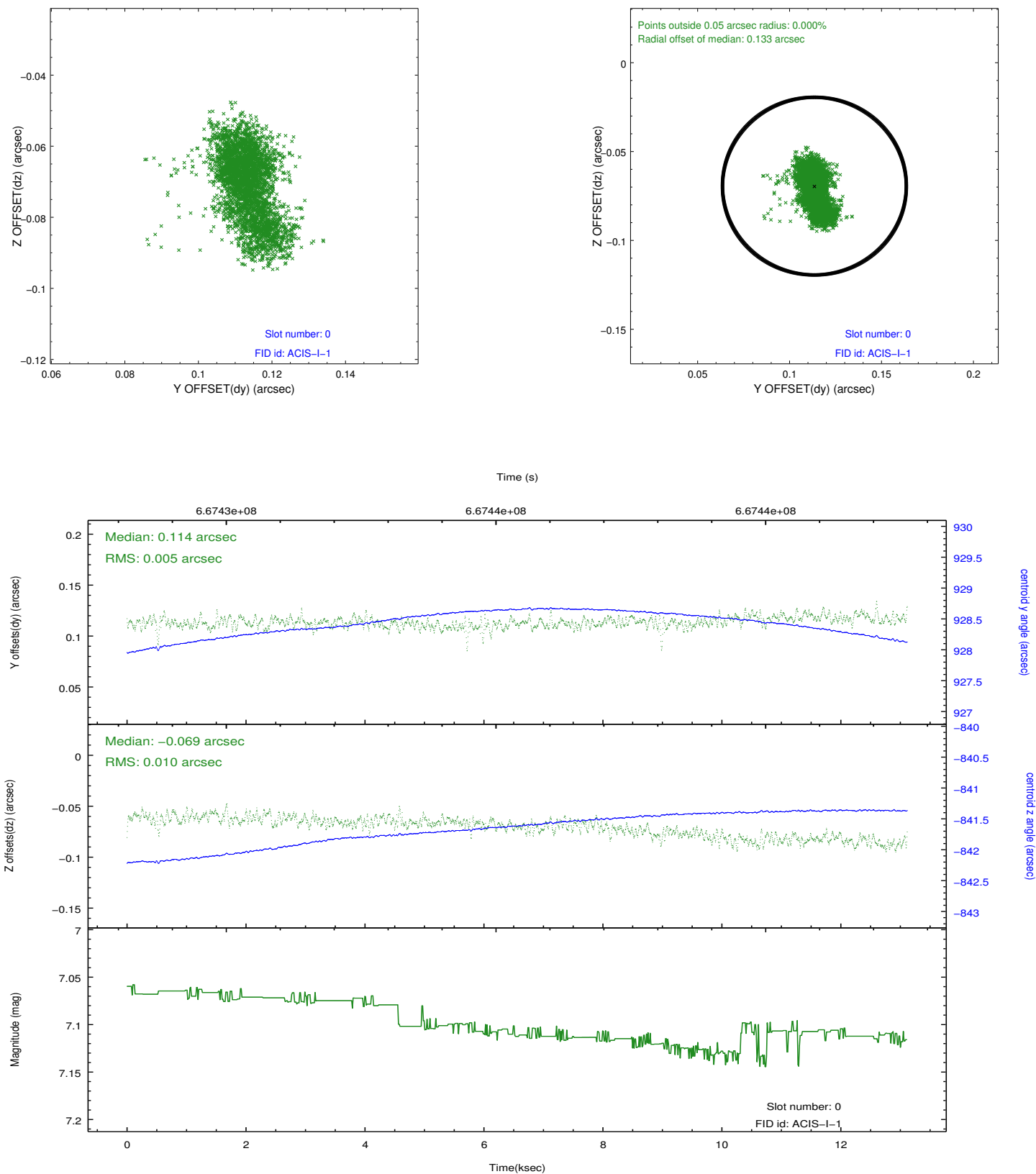


2.4.5 Slot 7

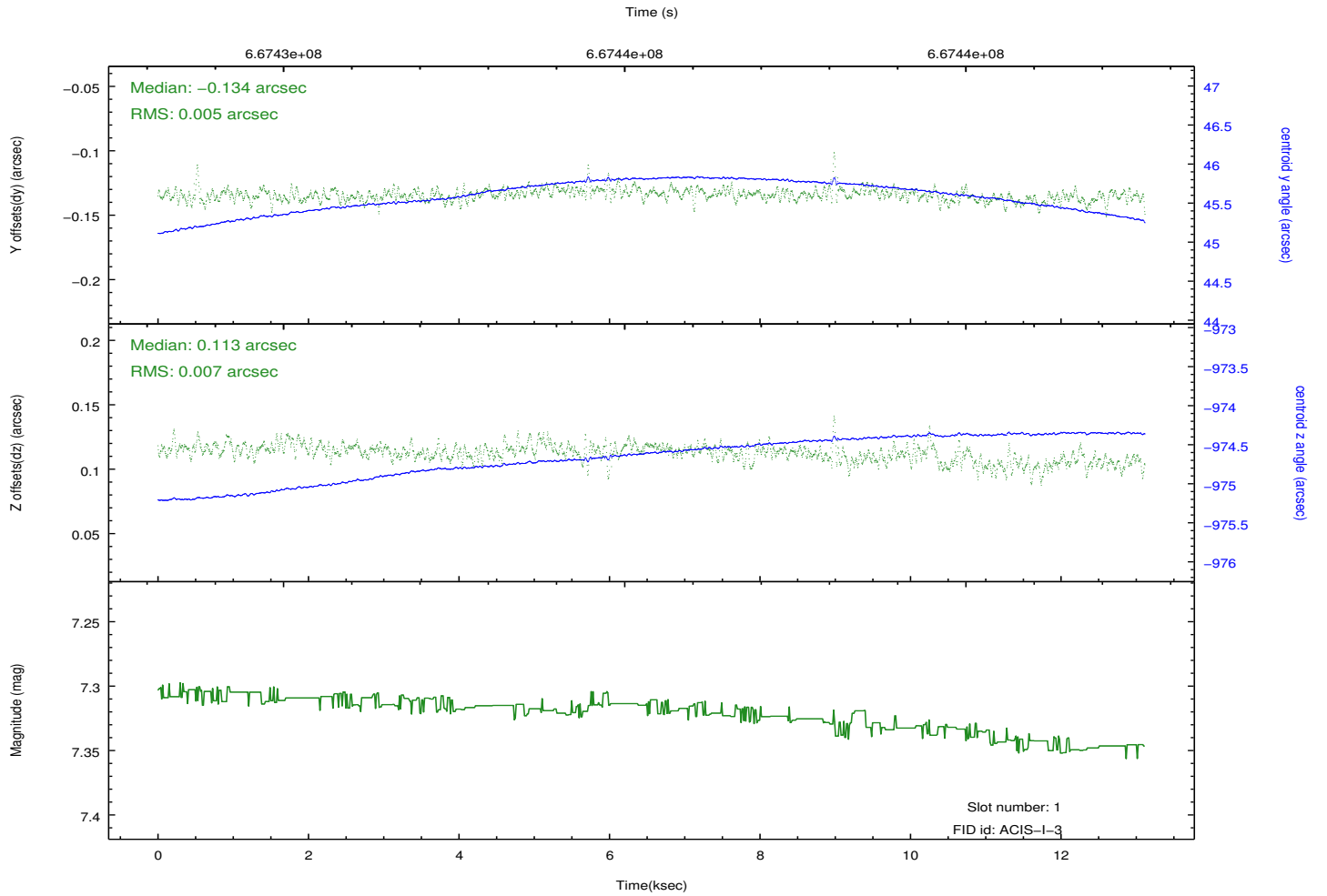
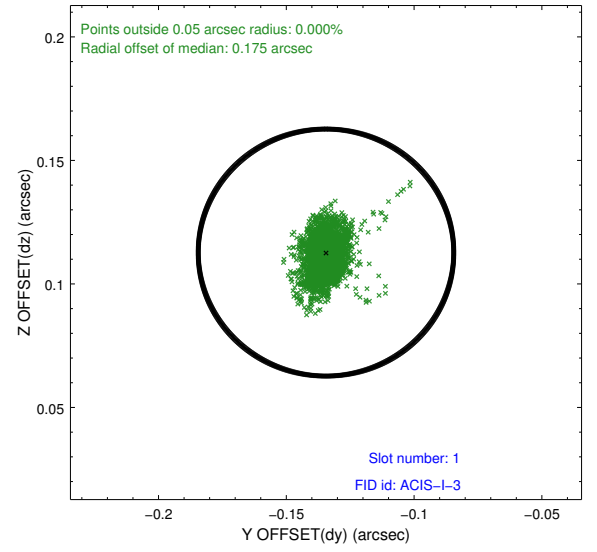
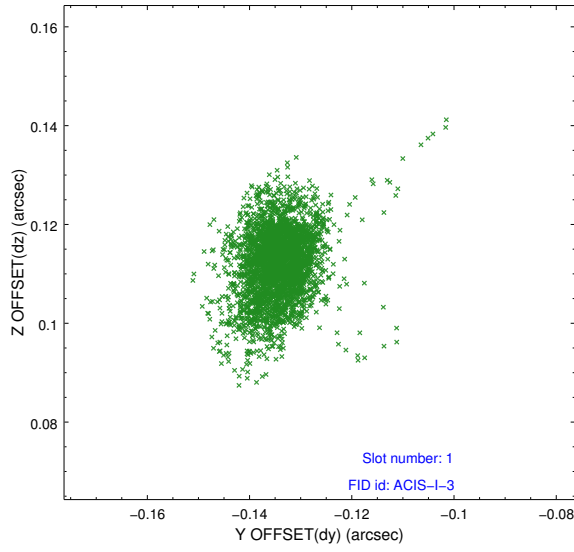


2.5 FID Slots

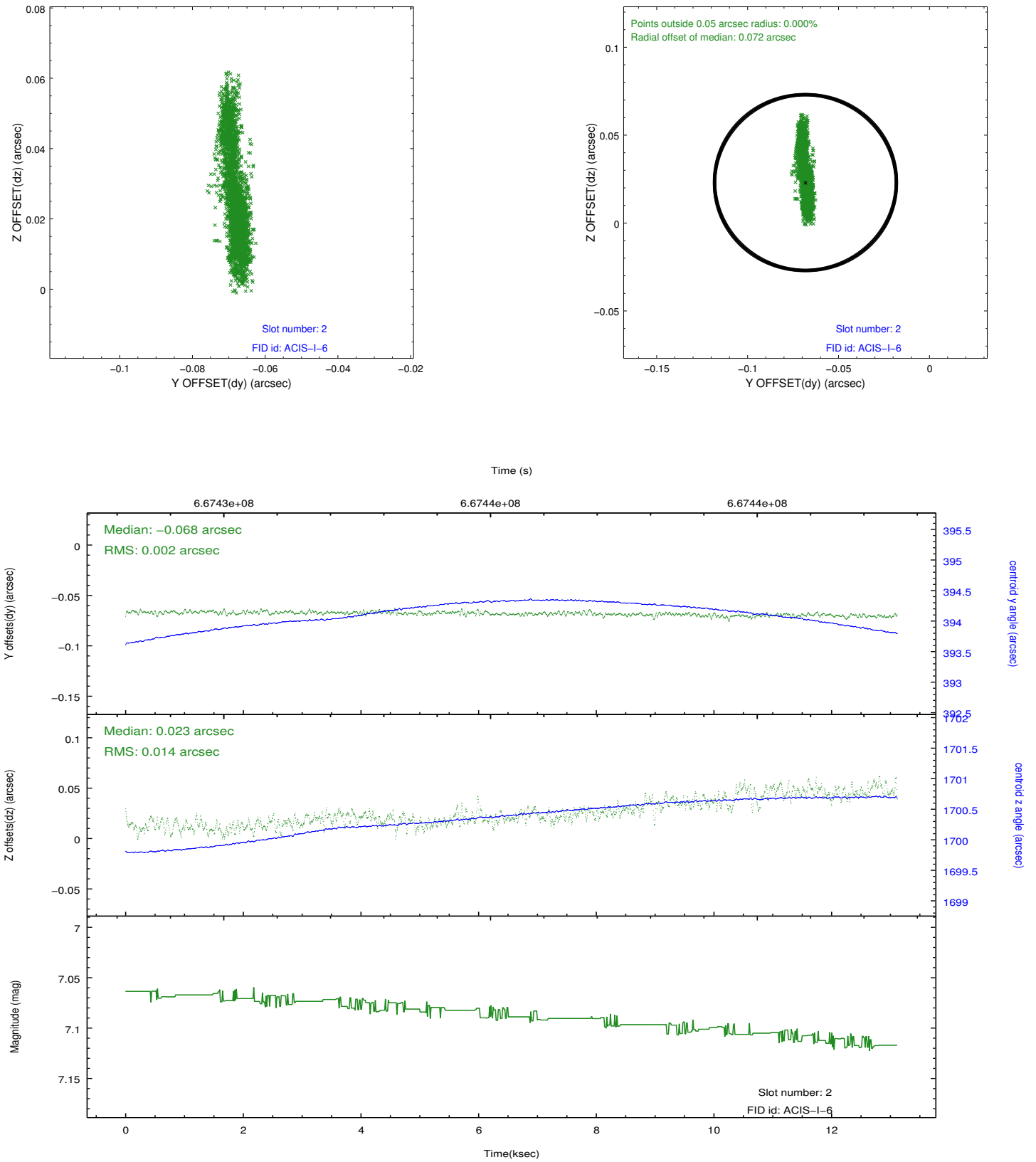
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2019.02.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.953402920246

A.2 Comments