

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 21093 - L2 Version 1
Chandra X-Ray Center

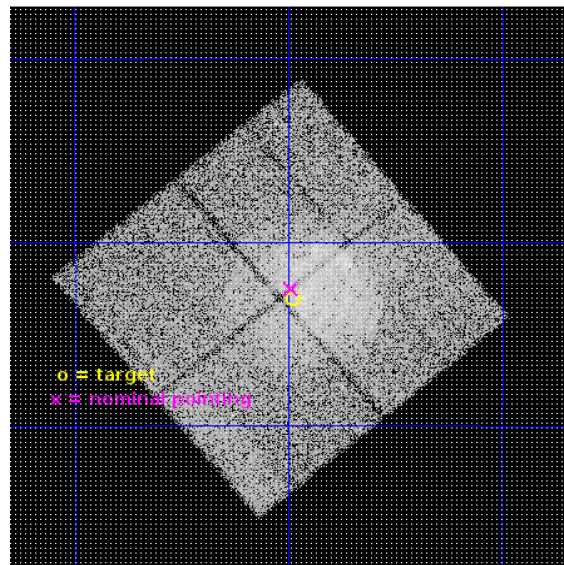
L2 Processing Date : May 18 2018

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1 Front

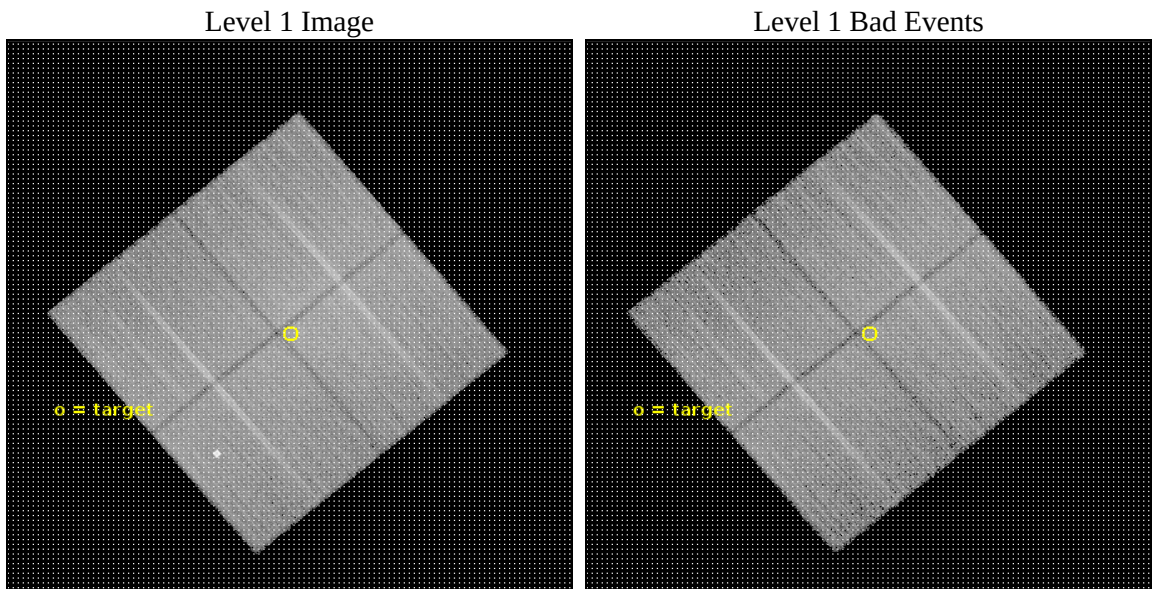
seq_num	503004	Sequence number
obs_id	21093	Observation id
title	Elemental Distribution in the Evolved Type Ia SNR G344.7-0.1	Propo
observer	Hiroya Yamaguchi	Principal investigator
object	G344.7-0.1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	255.99375	Observer's specified target RA [deg]
dec_targ	-41.718139	Observer's specified target Dec [deg]
ra_nom	255.99653071938	Nominal RA [deg]
dec_nom	-41.708939062669	Nominal Dec [deg]
roll_nom	50.210539119699	Nominal Roll [deg]
revision	1	Processing version of data
ontime	34078.259212136	Sum of GTIs [s]
livetime	33633.00166748	Livetime [s]
ontime0	34078.259241939	Sum of GTIs [s]
ontime1	34078.25919199	Sum of GTIs [s]
ontime2	34078.259181857	Sum of GTIs [s]
ontime3	34078.259212136	Sum of GTIs [s]
l2events	126028	Number of level 2 events



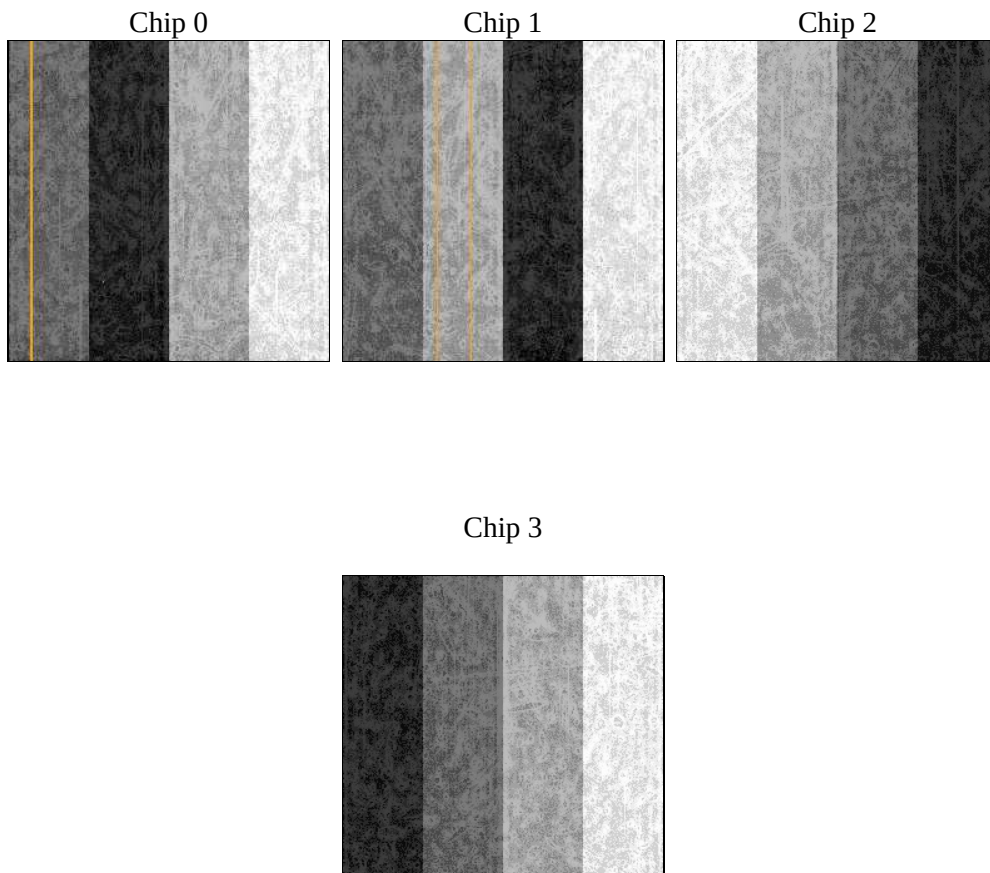
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	34000.000000	[s] Scheduled observation exposure time
ascdsver	10.6	Processing system revision	ontime	34078.259212136	Sum of GTIs [s]
caldsver	4.7.8	 	ontime0	34078.259241939	Sum of GTIs [s]
date	2018-05-18T23:06:01	Date and time of file creation	ontime1	34078.25919199	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	34078.259181857	Sum of GTIs [s]
			ontime3	34078.259212136	Sum of GTIs [s]
			l1events	994829	Number of level 1 events

2.1.4 Events

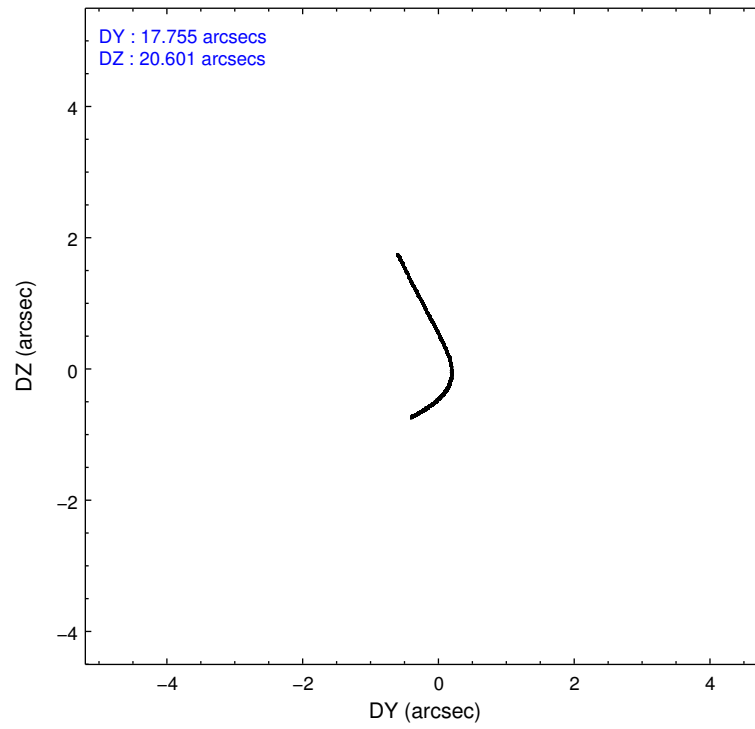
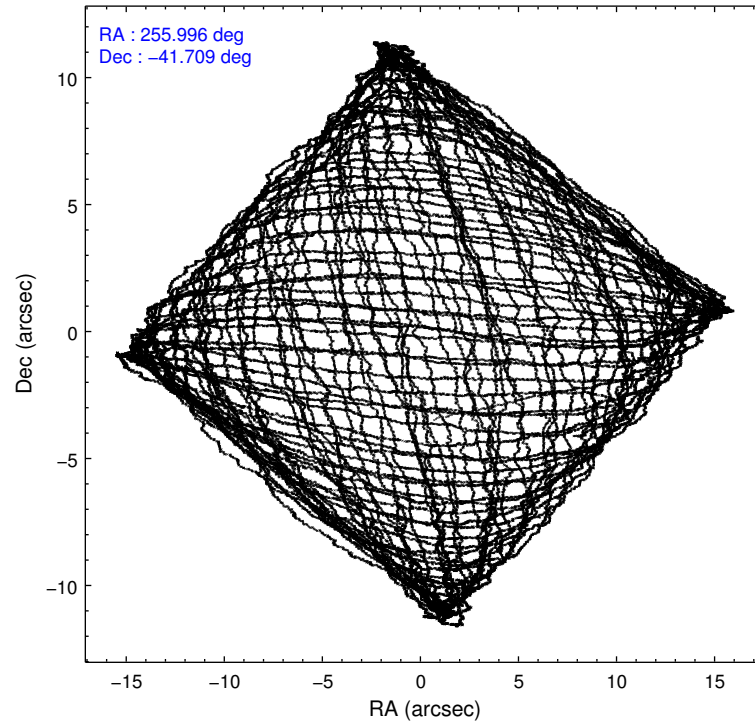
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	228200	241813	261427	263389
rejected events	196602	199331	224778	220624
rejected %	86%	82%	85%	83%

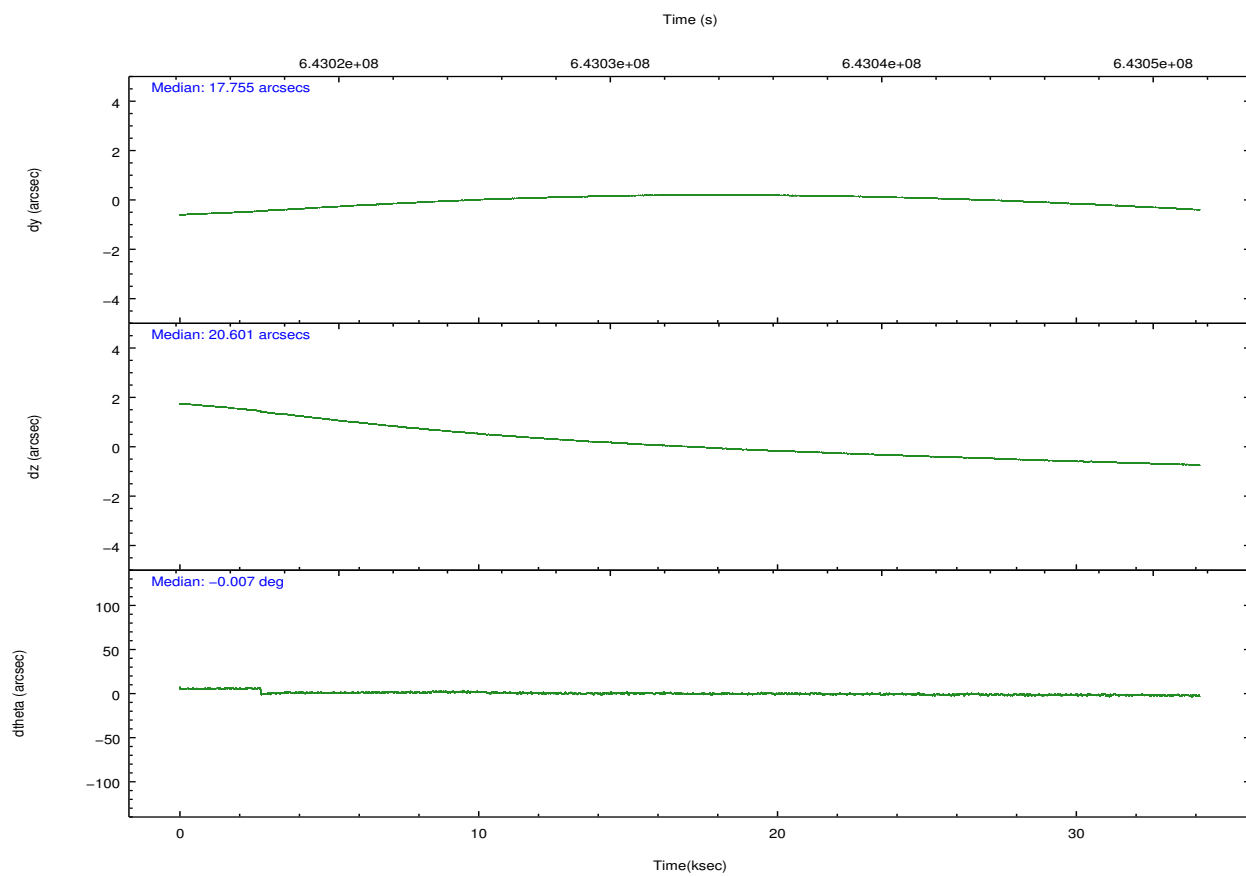
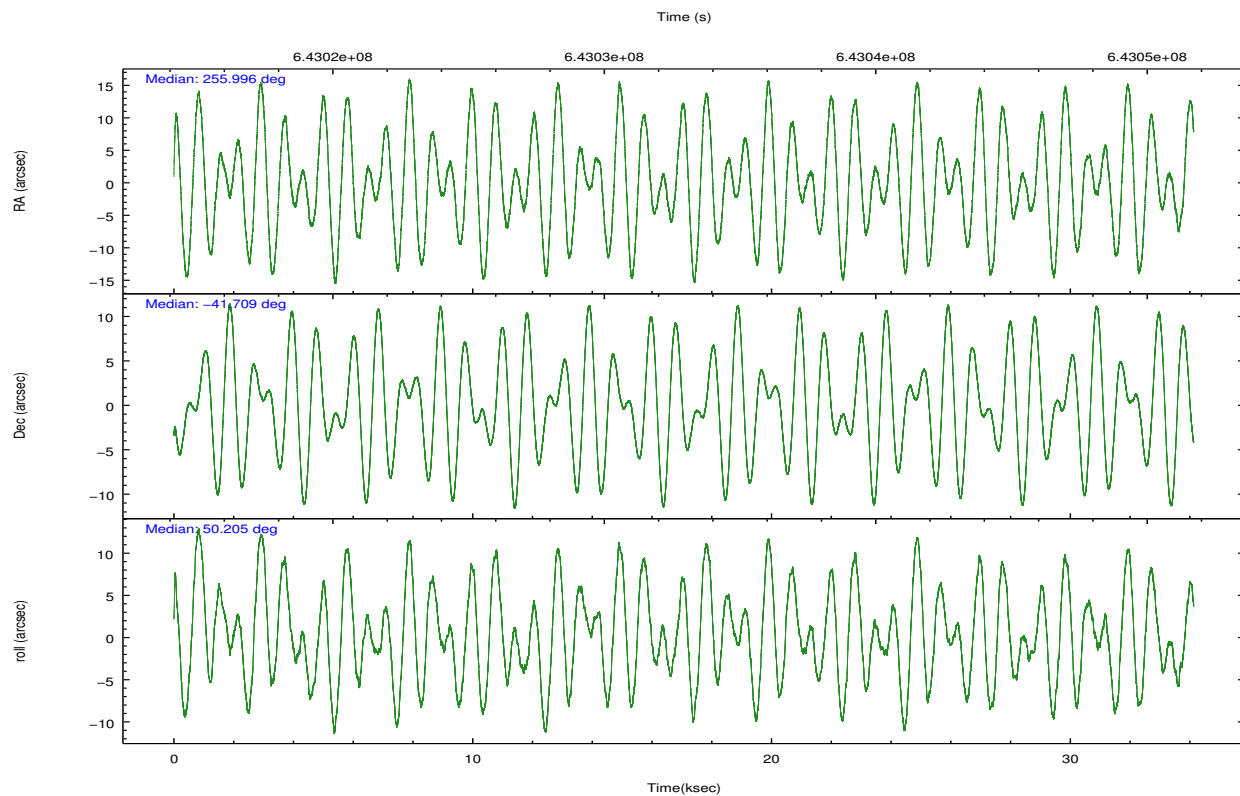
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	12183	21137	17306	22657
	5%	8%	6%	8%
grade 1 events	141	184	196	232
	0%	0%	0%	0%
grade 2 events	7434	8046	7746	7549
	3%	3%	2%	2%
grade 3 events	3006	3046	3012	3283
	1%	1%	1%	1%
grade 4 events	2775	3126	3041	3320
	1%	1%	1%	1%
grade 5 events	10688	11189	9989	12184
	4%	4%	3%	4%
grade 6 events	6202	7129	5547	5958
	2%	2%	2%	2%
grade 7 events	185771	187956	214590	208206
	81%	77%	82%	79%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	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	255.990360	255.996530719378	CCD I2 on	Y	Y
[deg] Pointing Dec	-41.736149	-41.70893906266892	CCD I3 on	Y	Y
[deg] Pointing Roll	49.997745	50.21053911969862	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	N	N
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	N
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	643015980.184000	643014753.46395	CCD S5 on	N	N
Observation start date	2018-05-18T07:31:51	2018-05-18T07:12:33	Number of optional ACIS chips dropped	1	1
[s] Observation end time (MET)	643049980.184000	643050664.85357	On-chip summing requested	N	N
Observation end date	2018-05-18T16:58:31	2018-05-18T17:11:04	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



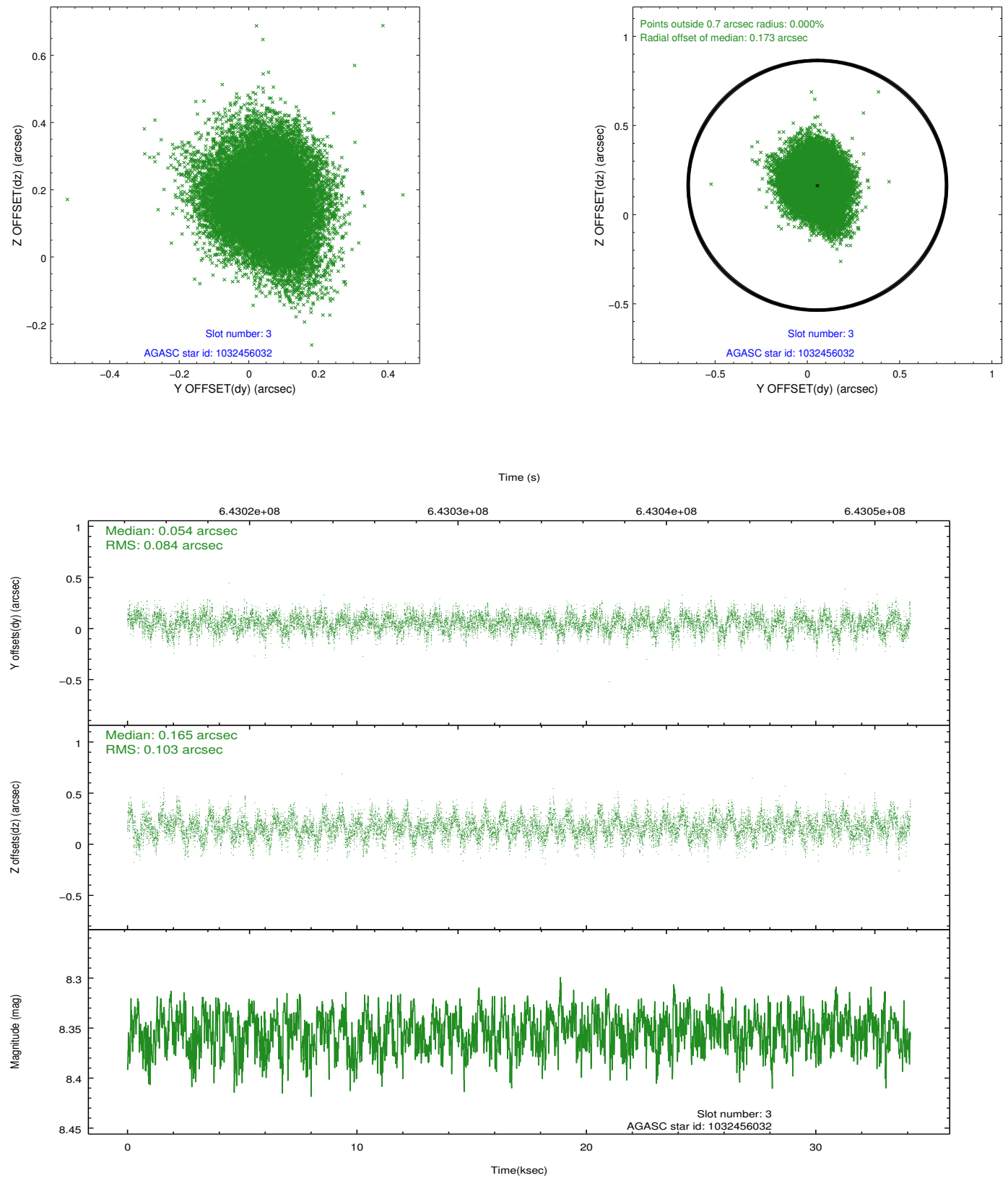


Slot Statistics

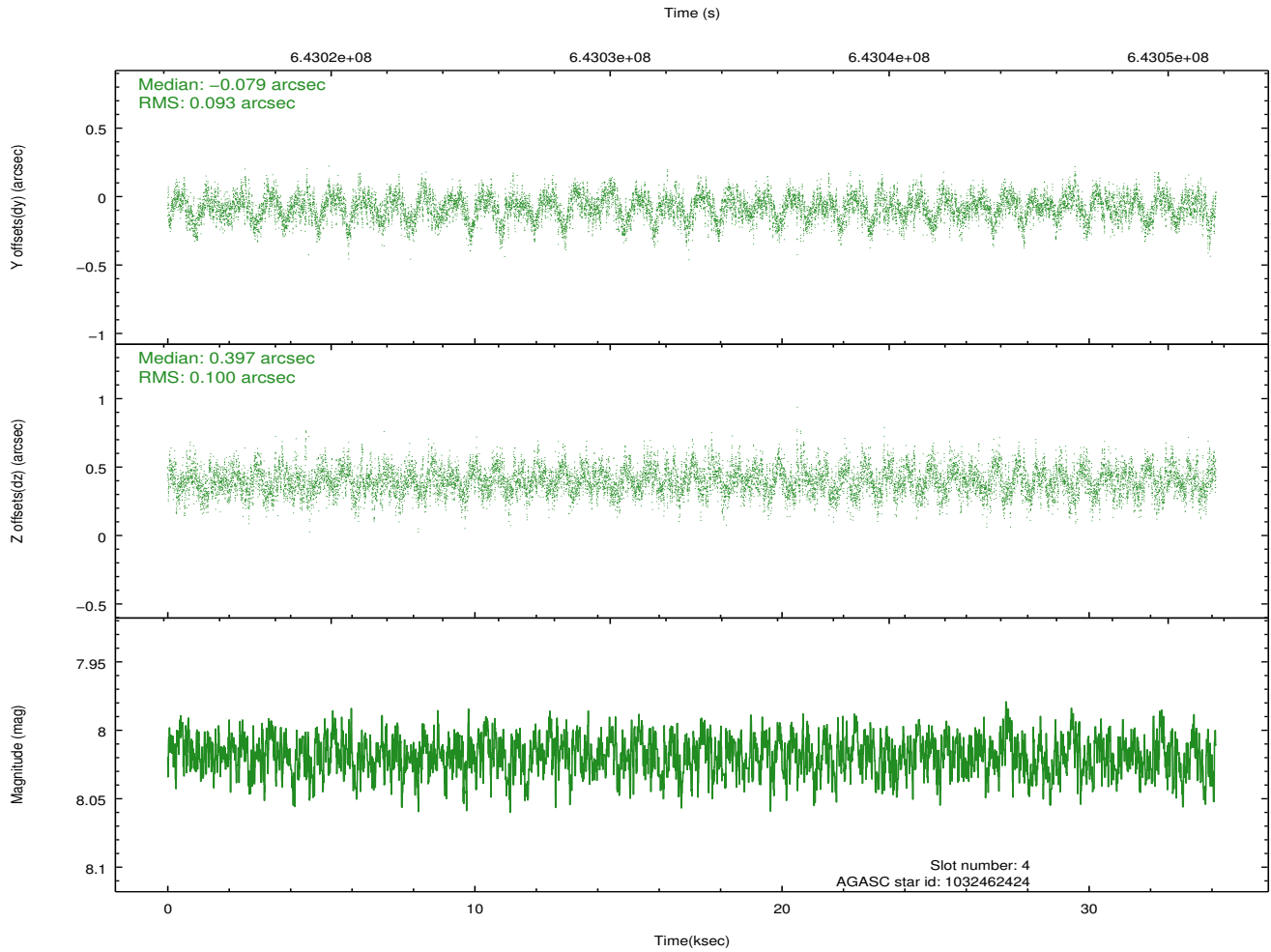
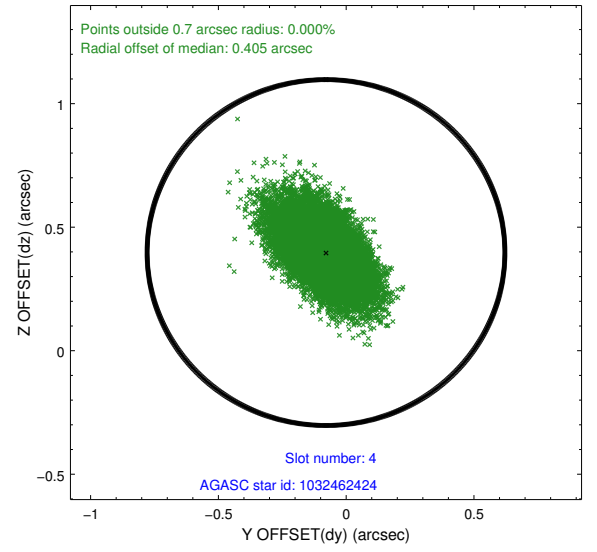
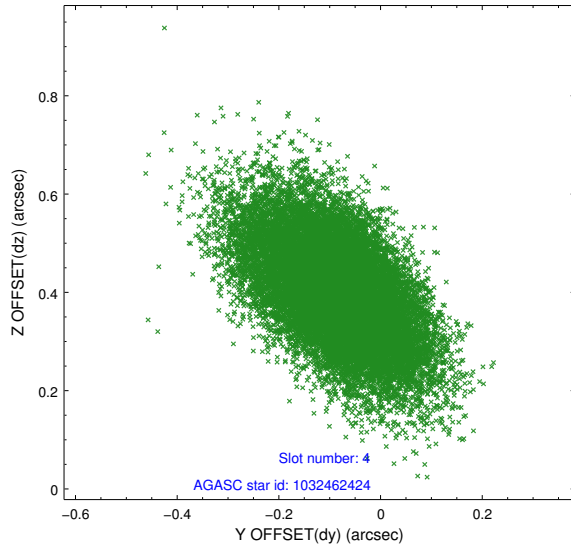
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.14	8323	-0.086	-0.094	0.033	0.052	0.000000	0.000000	921.67	-844.56
1	FID		ACIS-I-4	7.07	8321	0.476	0.132	0.024	0.042	0.000000	0.000000	2142.15	1055.54
2	FID		ACIS-I-5	7.12	8325	-0.488	0.034	0.014	0.026	0.000000	0.000000	-1826.82	1053.05
3	GUIDE	used	1032456032	8.35	16638	0.054	0.165	0.143	0.227	256.011351	-42.138769	-1073.61	-974.52
4	GUIDE	used	1032462424	8.02	16645	-0.079	0.397	0.142	0.244	257.030418	-41.723974	1810.75	-2123.68
5	GUIDE	used	1032341952	7.17	16648	-0.061	-0.805	0.122	0.216	254.946907	-41.627000	-1516.63	2391.53
6	GUIDE	used	1032458288	9.06	16620	0.141	0.502	0.138	0.230	255.516912	-42.294354	-2352.01	-327.71
7	GUIDE	used	1032461400	8.85	16633	-0.057	-0.264	0.186	0.297	256.843727	-41.417736	2350.72	-1035.27

2.4 Star Slots

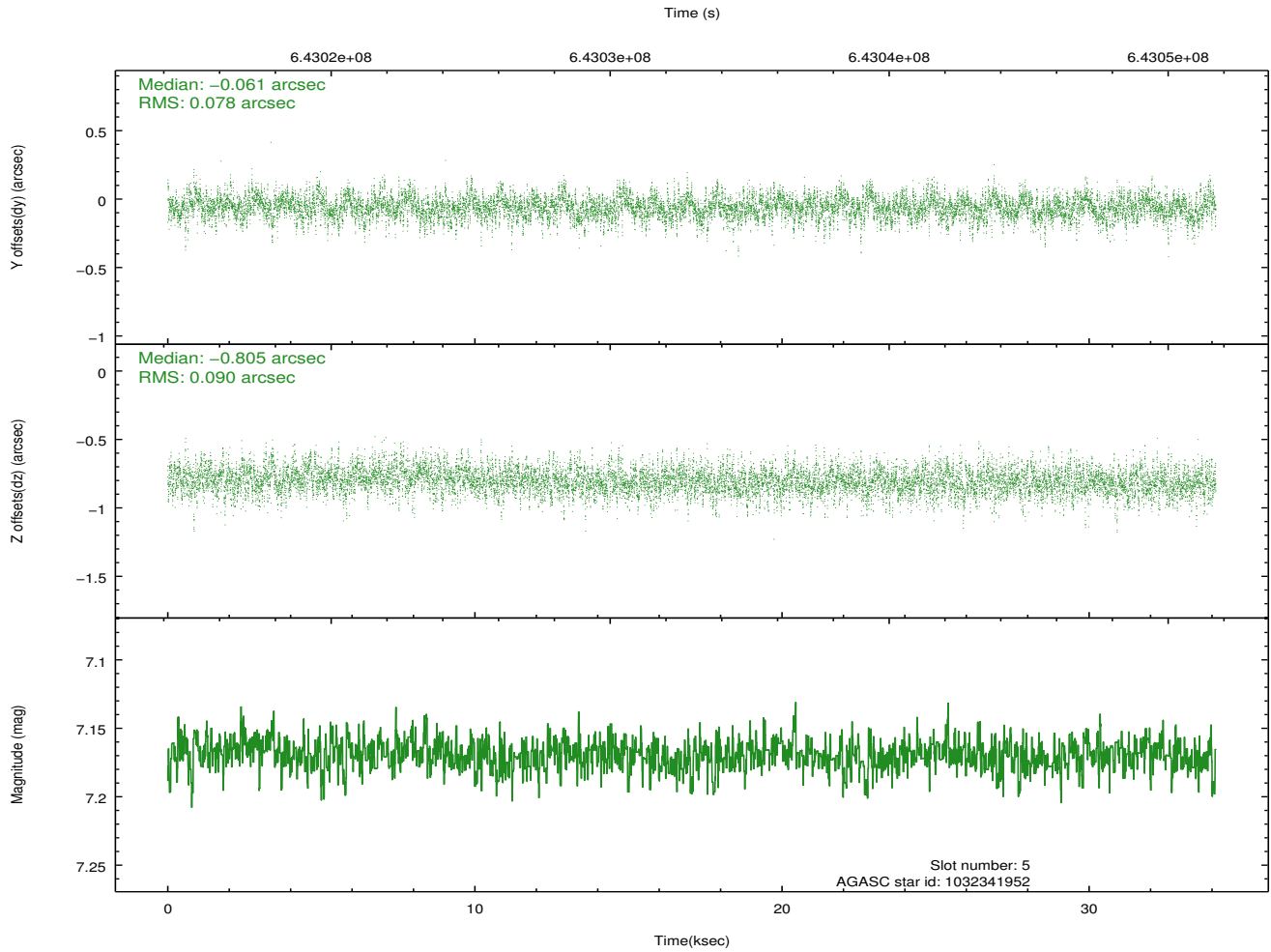
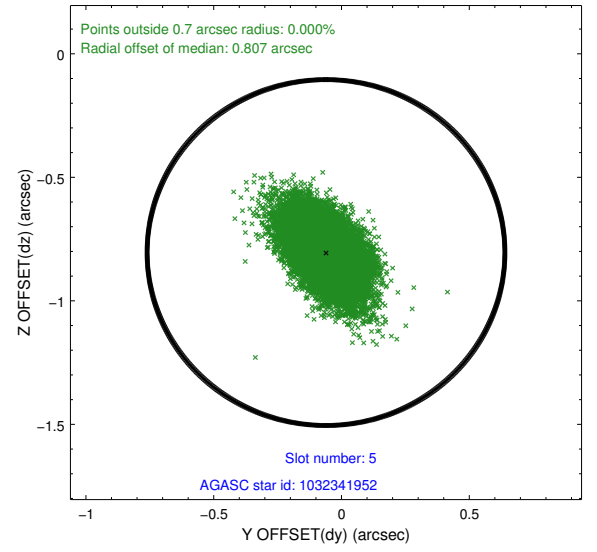
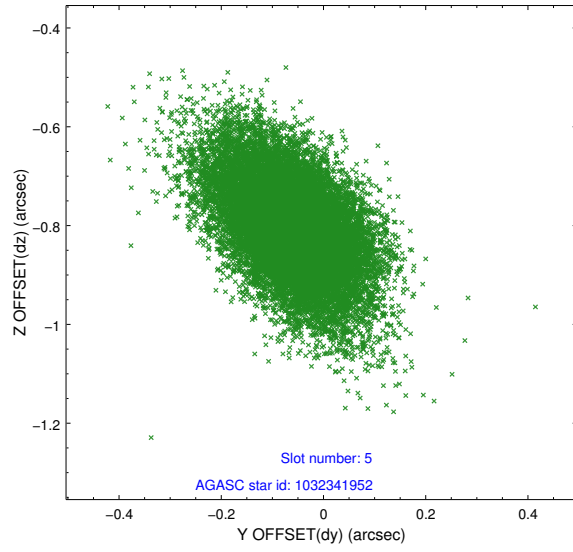
2.4.1 Slot 3



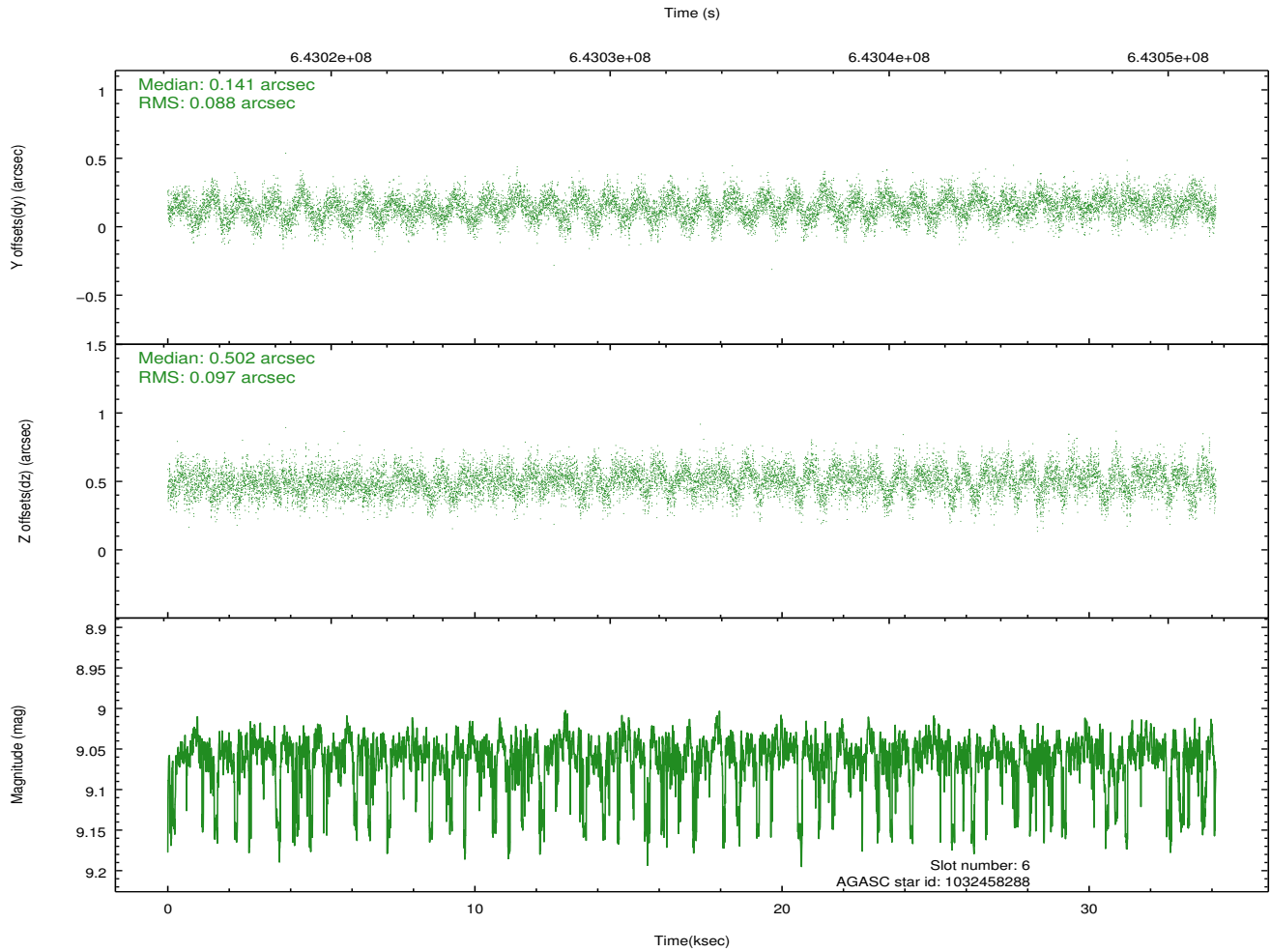
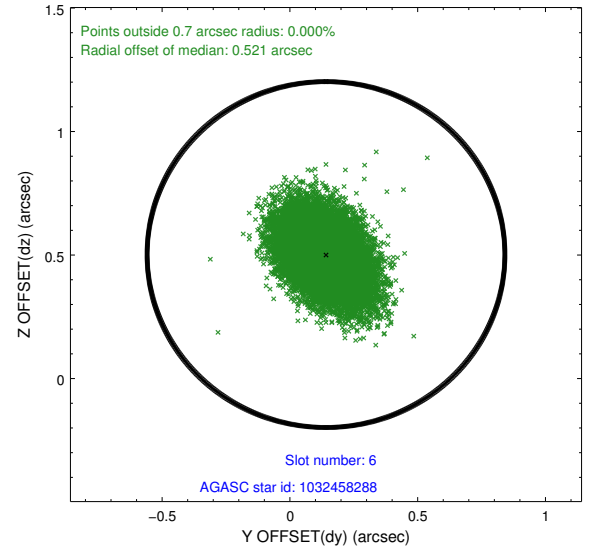
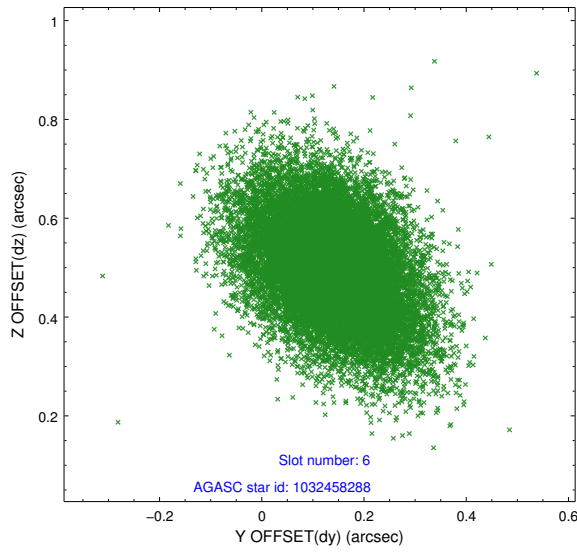
2.4.2 Slot 4



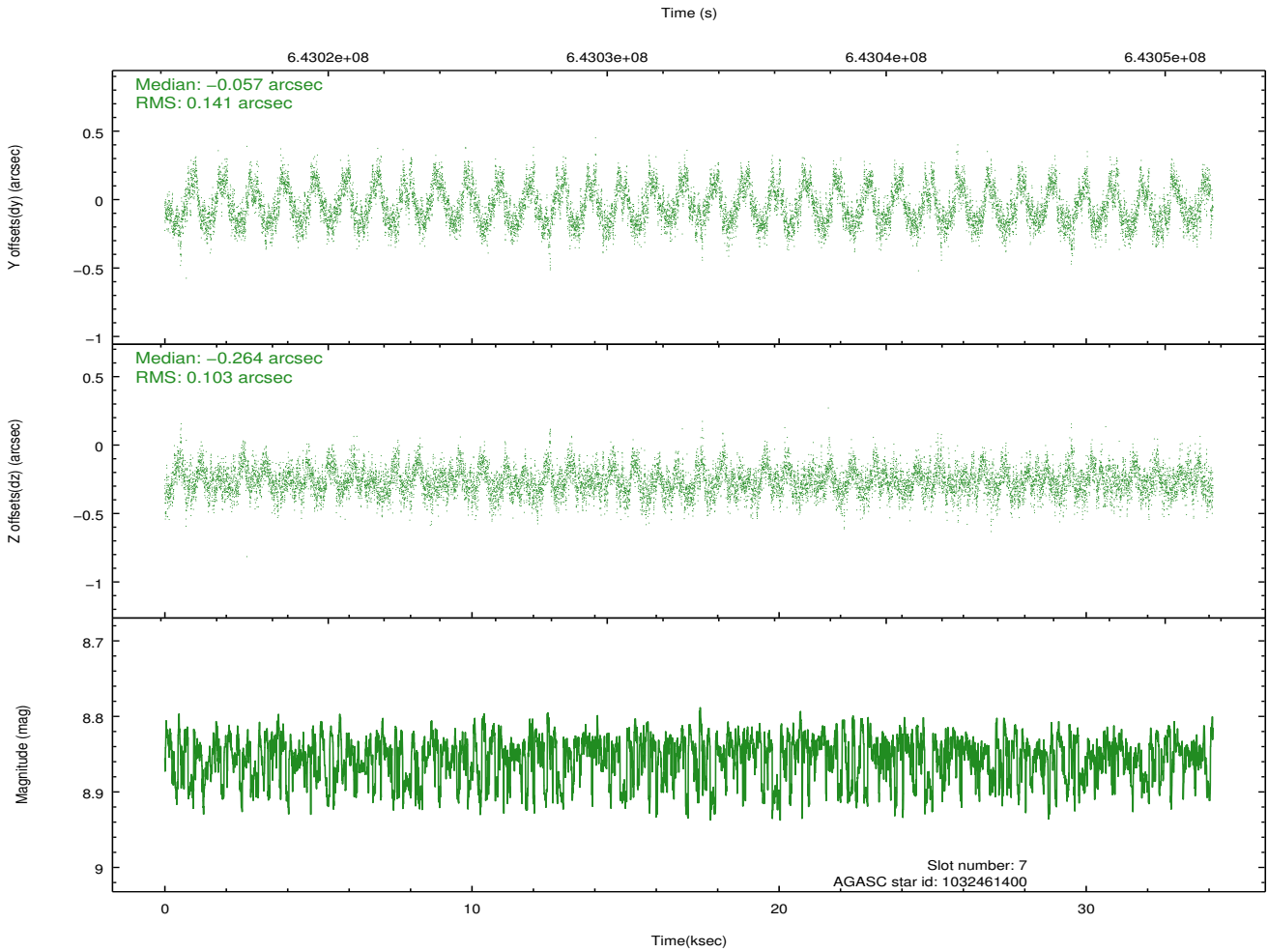
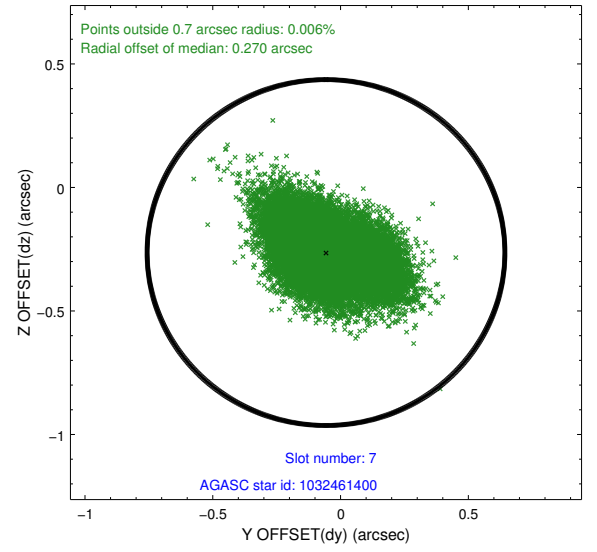
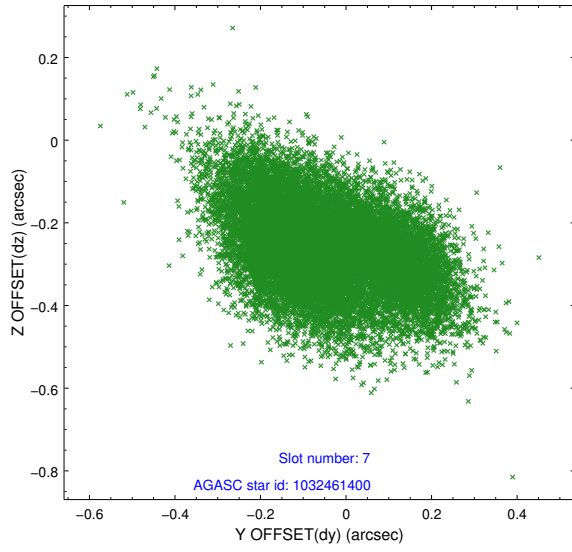
2.4.3 Slot 5



2.4.4 Slot 6

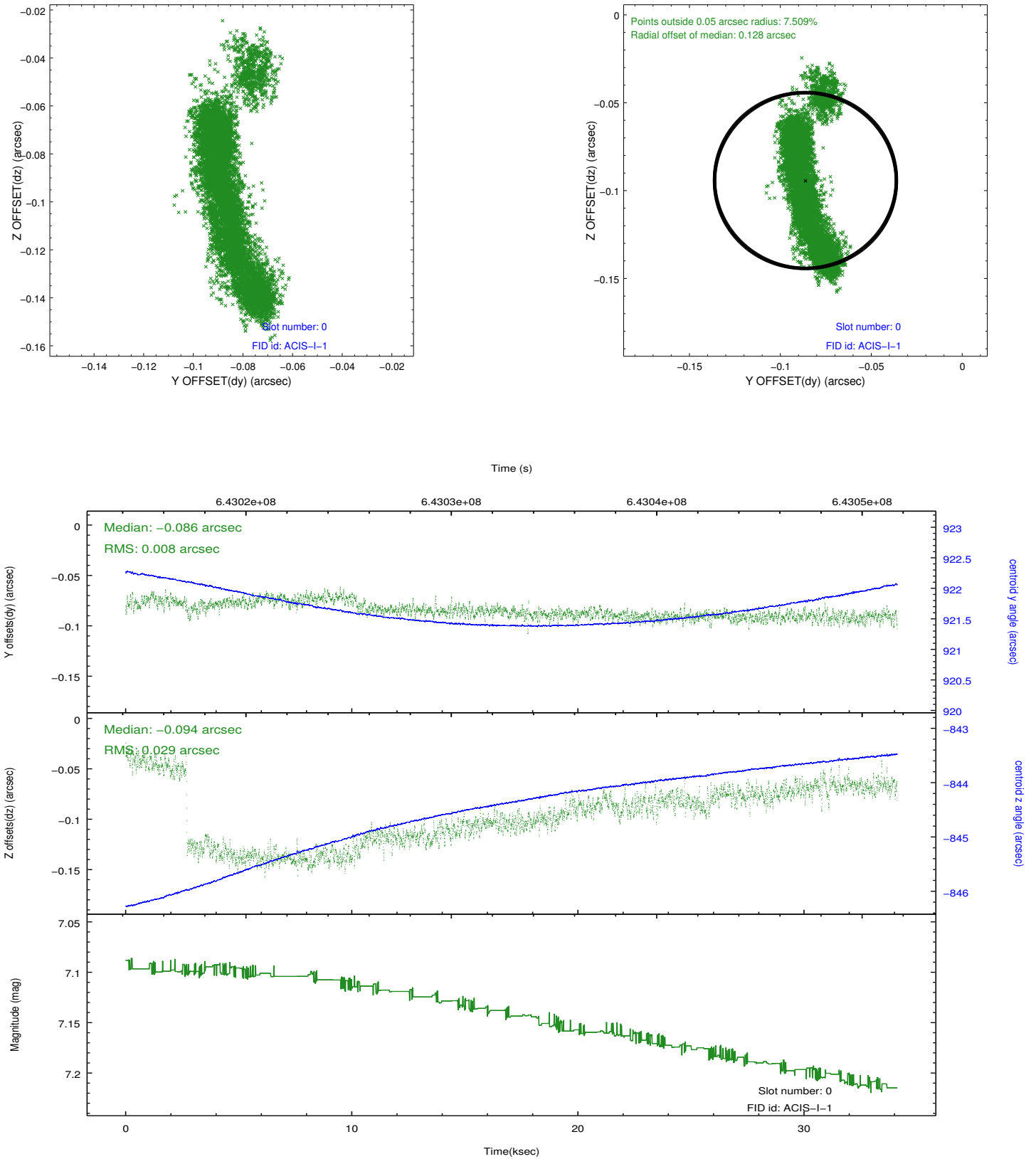


2.4.5 Slot 7

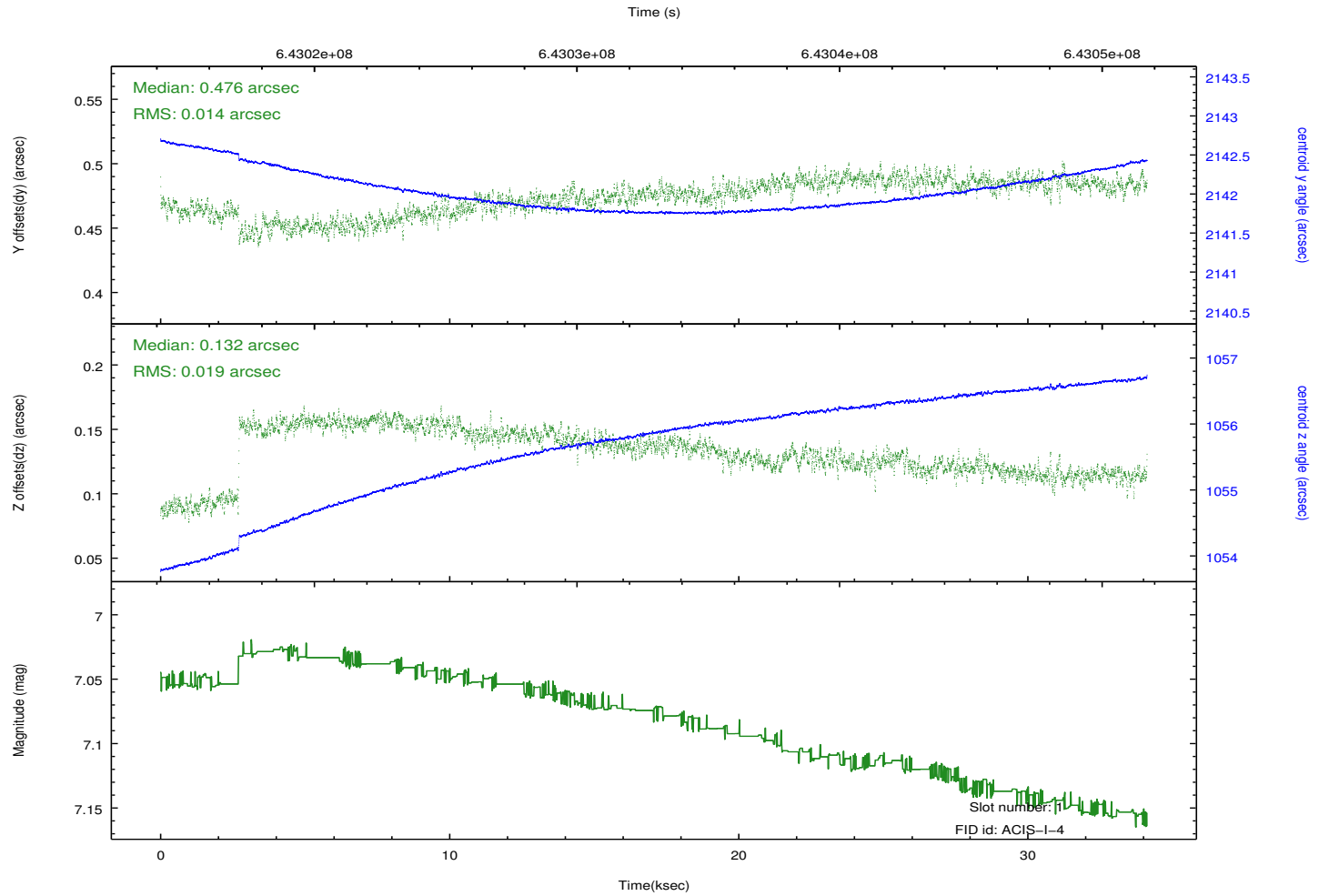
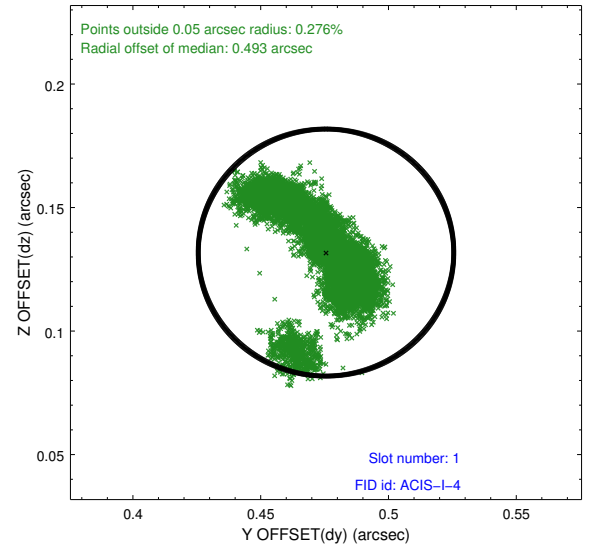
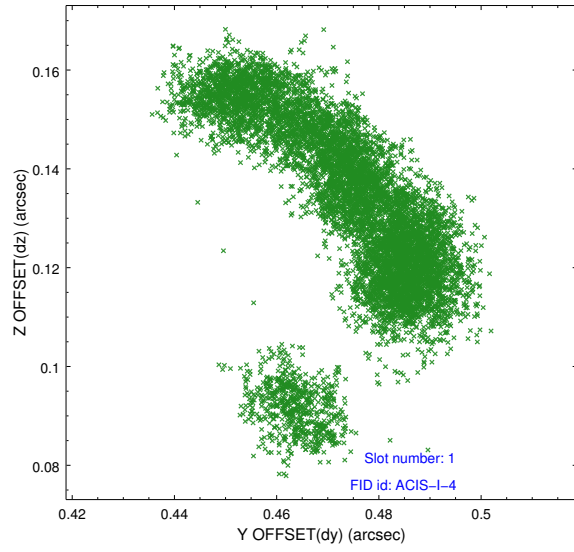


2.5 FID Slots

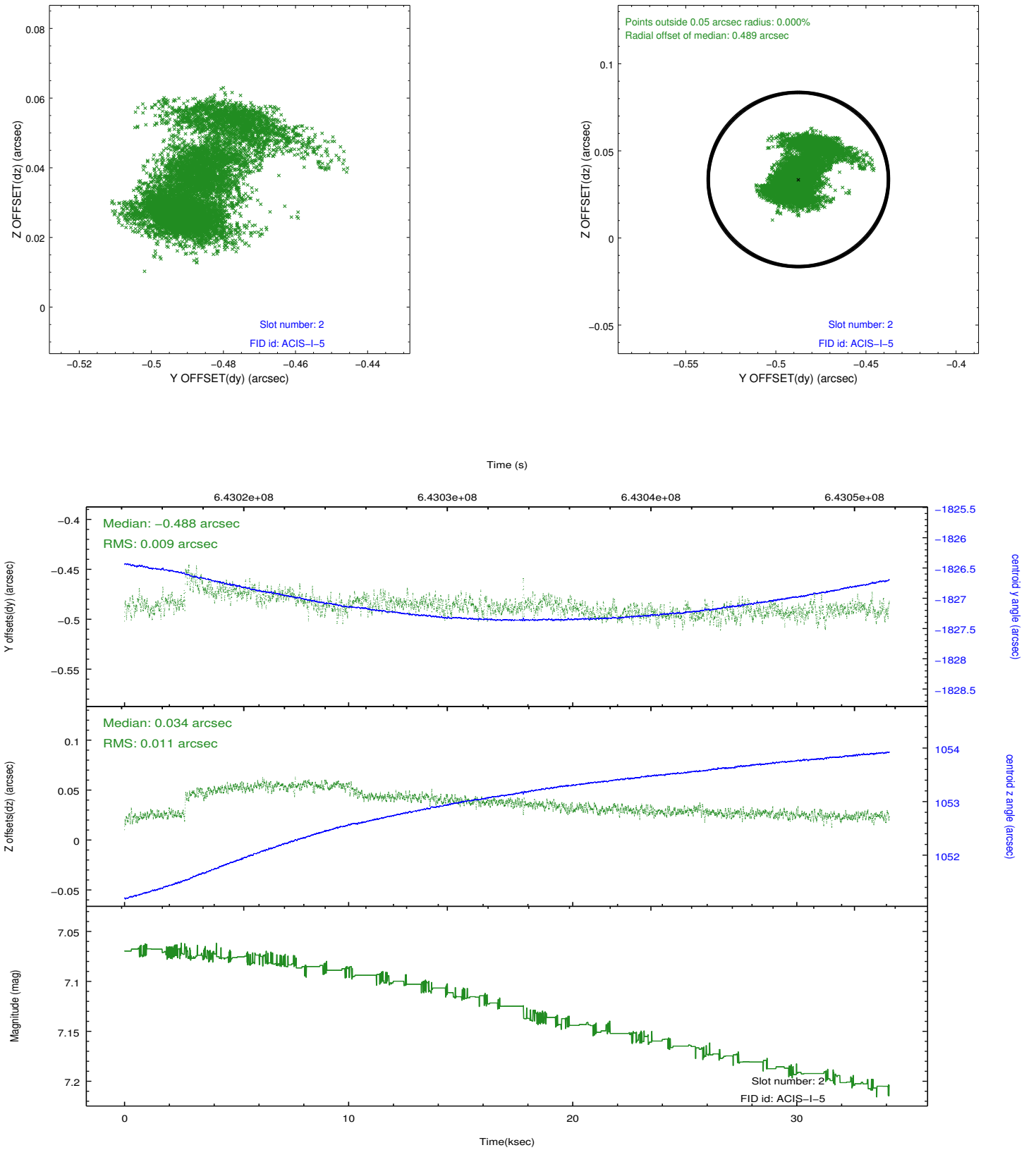
2.5.1 Slot 0



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)	2018.05.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	34.078259212136

A.2 Comments

One optional chip was dropped.