

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 21094 - L2 Version 1
Chandra X-Ray Center

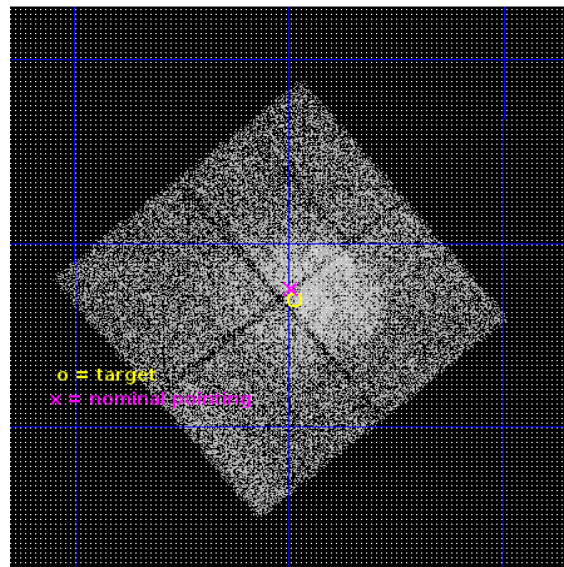
L2 Processing Date : May 19 2018

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1 Front

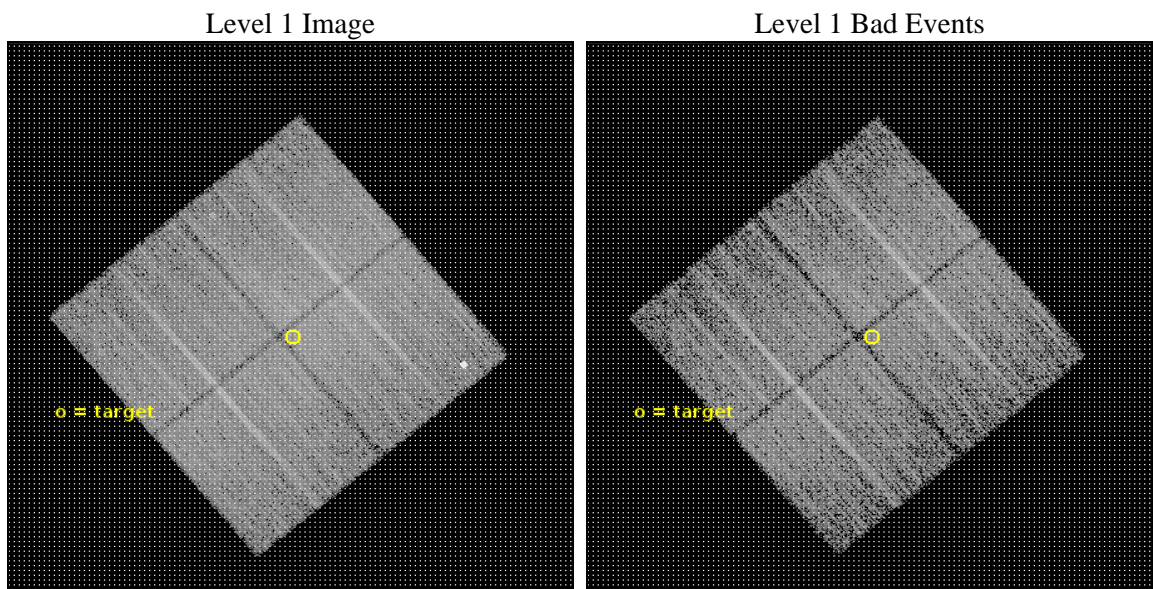
seq_num	503004	Sequence number
obs_id	21094	Observation id
title	Elemental Distribution in the Evolved Type Ia SNR G344.7-0.1	Propo
observer	Hiroya Yamaguchi	Principal investigator
object	G344.7-0.1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	255.99375	Observer's specified target RA [deg]
dec_targ	-41.718139	Observer's specified target Dec [deg]
ra_nom	255.99677424243	Nominal RA [deg]
dec_nom	-41.708216921762	Nominal Dec [deg]
roll_nom	50.210709097527	Nominal Roll [deg]
revision	1	Processing version of data
ontime	15077.431277394	Sum of GTIs [s]
livetime	14880.433537912	Livetime [s]
ontime0	15074.167097211	Sum of GTIs [s]
ontime1	15077.349197388	Sum of GTIs [s]
ontime2	15074.249177217	Sum of GTIs [s]
ontime3	15077.431277394	Sum of GTIs [s]
l2events	54878	Number of level 2 events



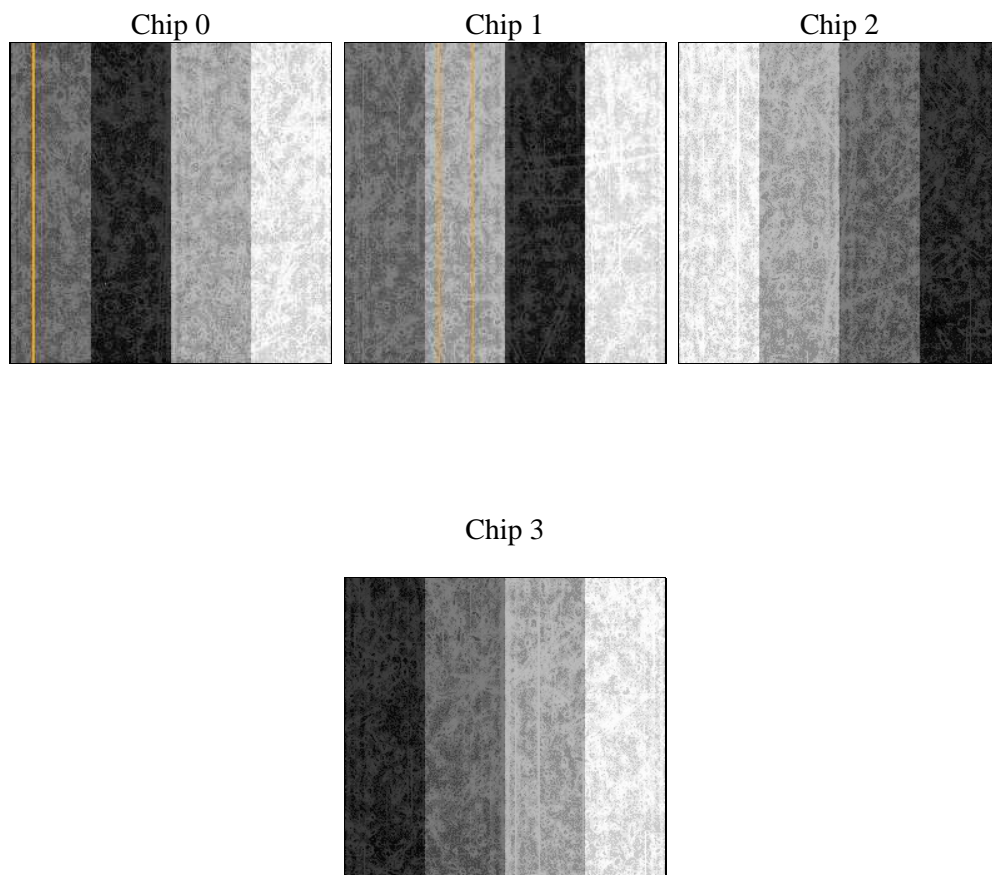
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	10.6	Processing system revision	ontime	15077.431277394	Sum of GTIs [s]
caldsver	4.7.8	 	ontime0	15074.167097211	Sum of GTIs [s]
date	2018-05-19T21:43:42	Date and time of file creation	ontime1	15077.349197388	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	15074.249177217	Sum of GTIs [s]
			ontime3	15077.431277394	Sum of GTIs [s]
			l1events	452228	Number of level 1 events

2.1.4 Events

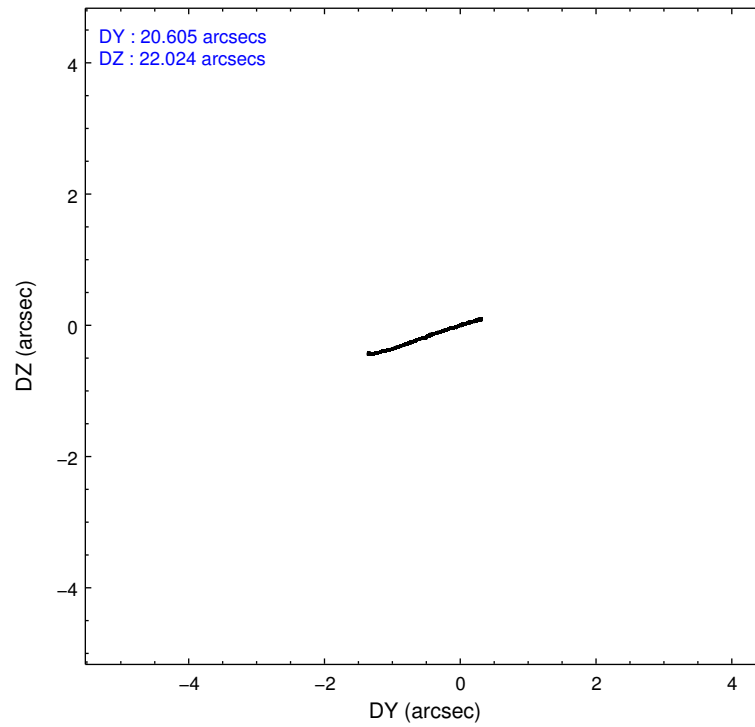
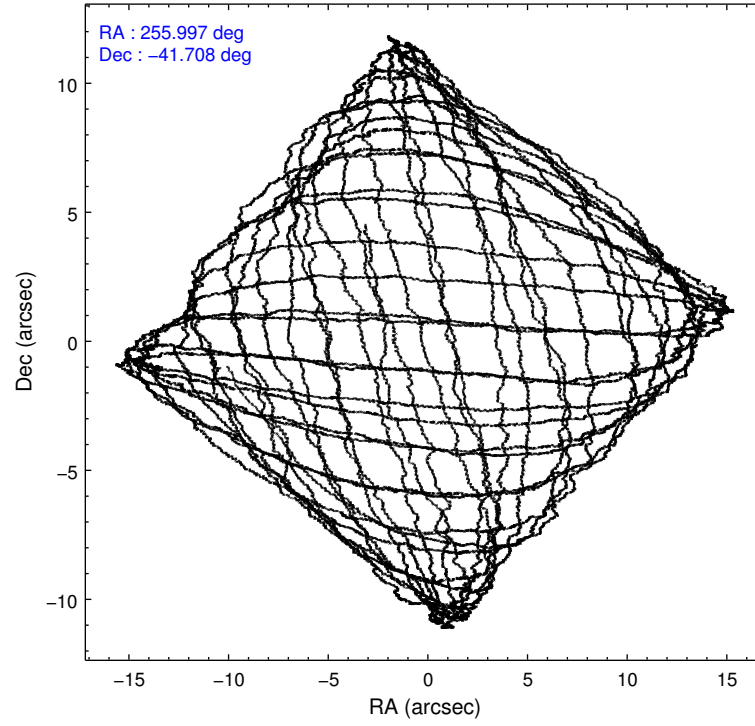
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	103231	107859	118933	122205
rejected events	89448	92383	103088	98921
rejected %	86%	85%	86%	80%

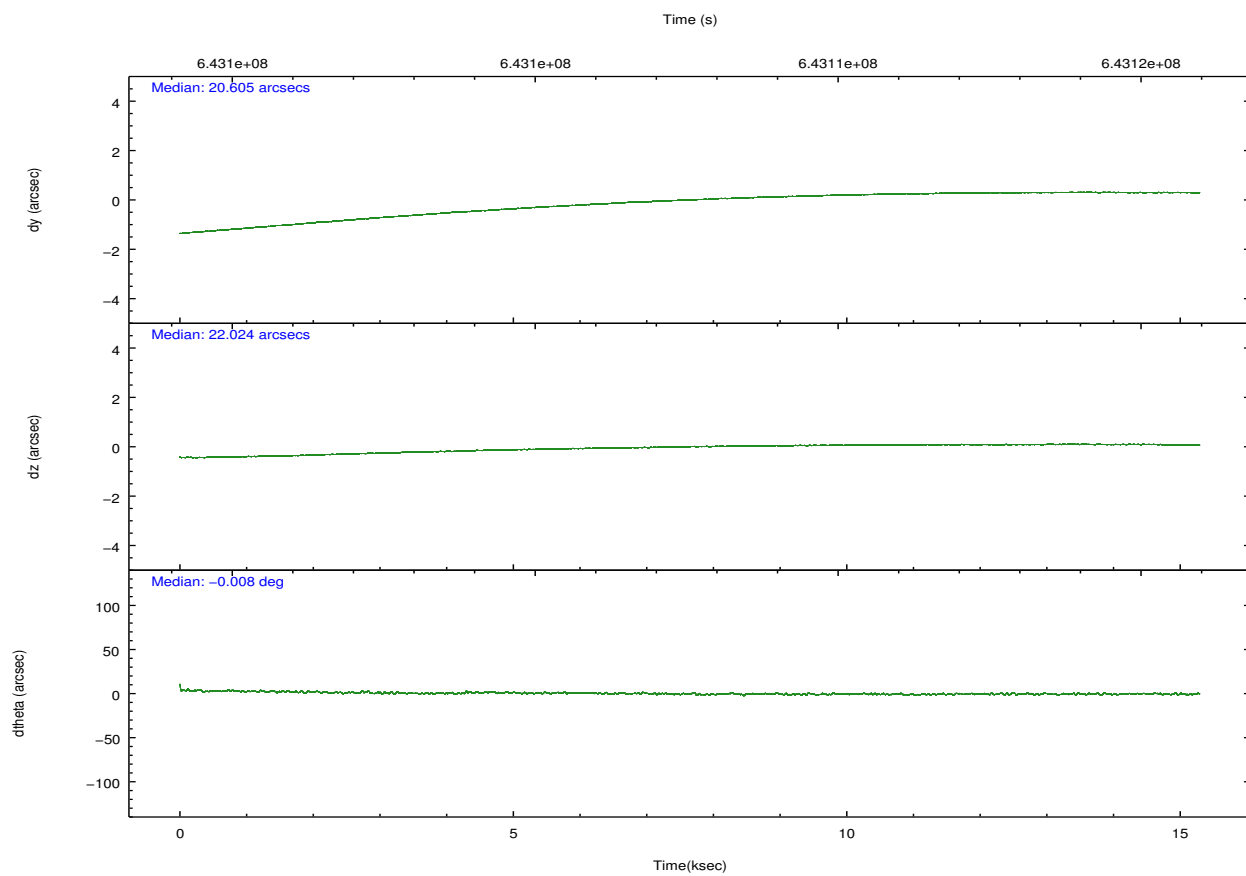
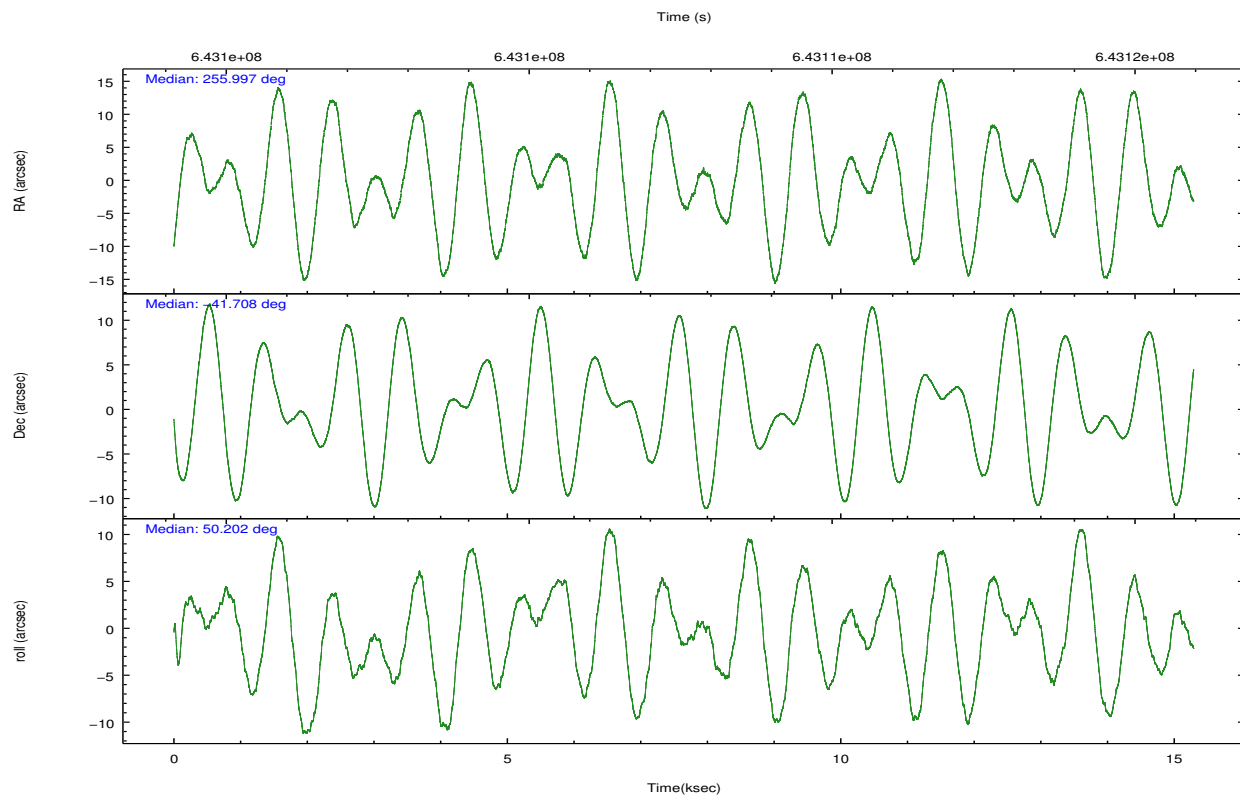
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	5281	5831	7642	14516
	5%	5%	6%	11%
grade 1 events	76	56	80	138
	0%	0%	0%	0%
grade 2 events	3280	3849	3171	3213
	3%	3%	2%	2%
grade 3 events	1313	1280	1250	1469
	1%	1%	1%	1%
grade 4 events	1205	1281	1312	1464
	1%	1%	1%	1%
grade 5 events	4528	4663	4209	5294
	4%	4%	3%	4%
grade 6 events	2709	3242	2475	2638
	2%	3%	2%	2%
grade 7 events	84839	87657	98794	93473
	82%	81%	83%	76%

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	255.990618	255.9967742424312	CCD I2 on	Y	Y
[deg] Pointing Dec	-41.735400	-41.70821692176195	CCD I3 on	Y	Y
[deg] Pointing Roll	49.997916	50.210709097527	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)	643100193.184000	643099258.05644	CCD S5 on	N	N
Observation start date	2018-05-19T06:55:24	2018-05-19T06:40:58	Number of optional ACIS chips dropped	1	1
[s] Observation end time (MET)	643115193.184000	643115802.0699199	On-chip summing requested	N	N
Observation end date	2018-05-19T11:05:24	2018-05-19T11:16:42	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



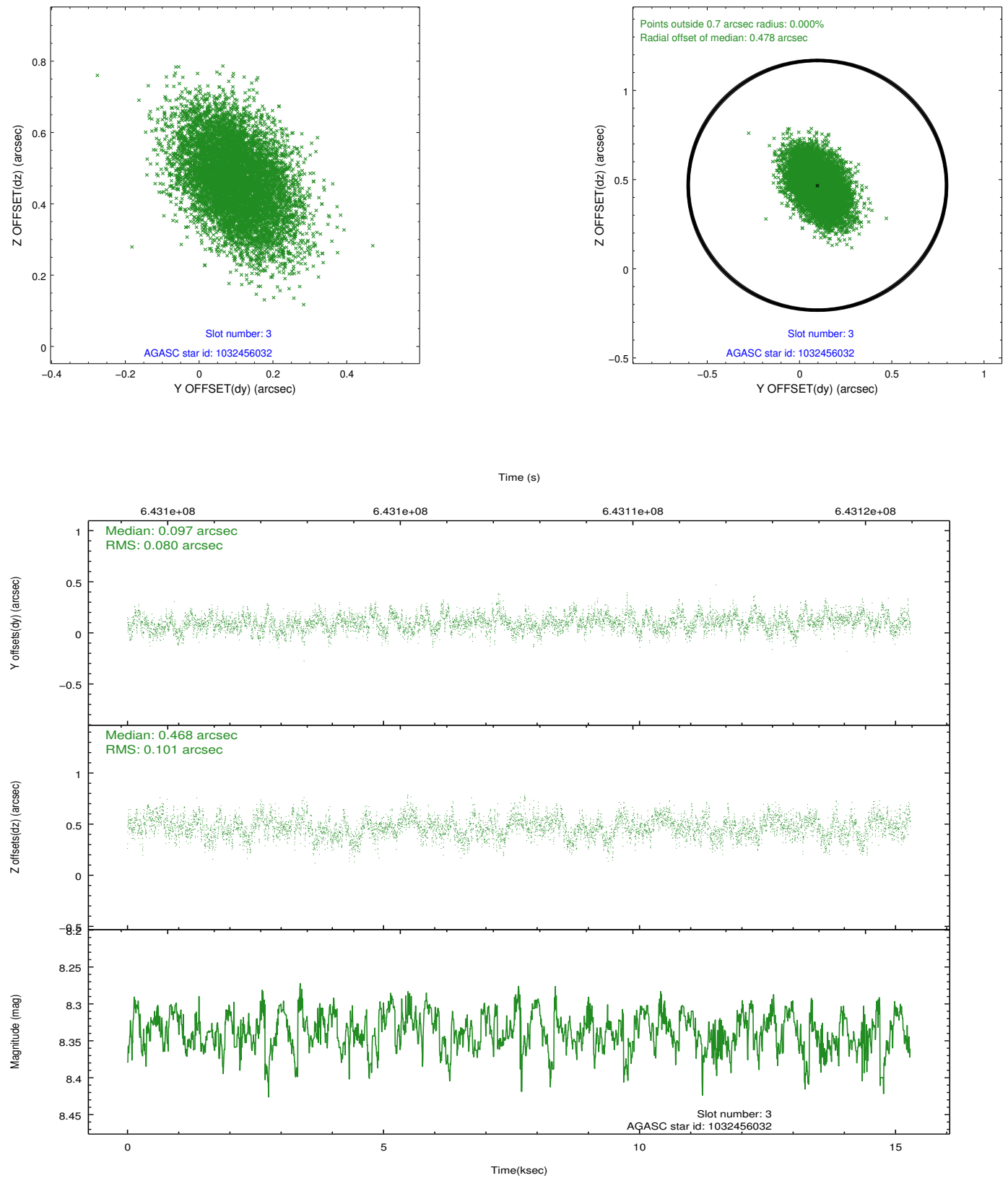


Slot Statistics

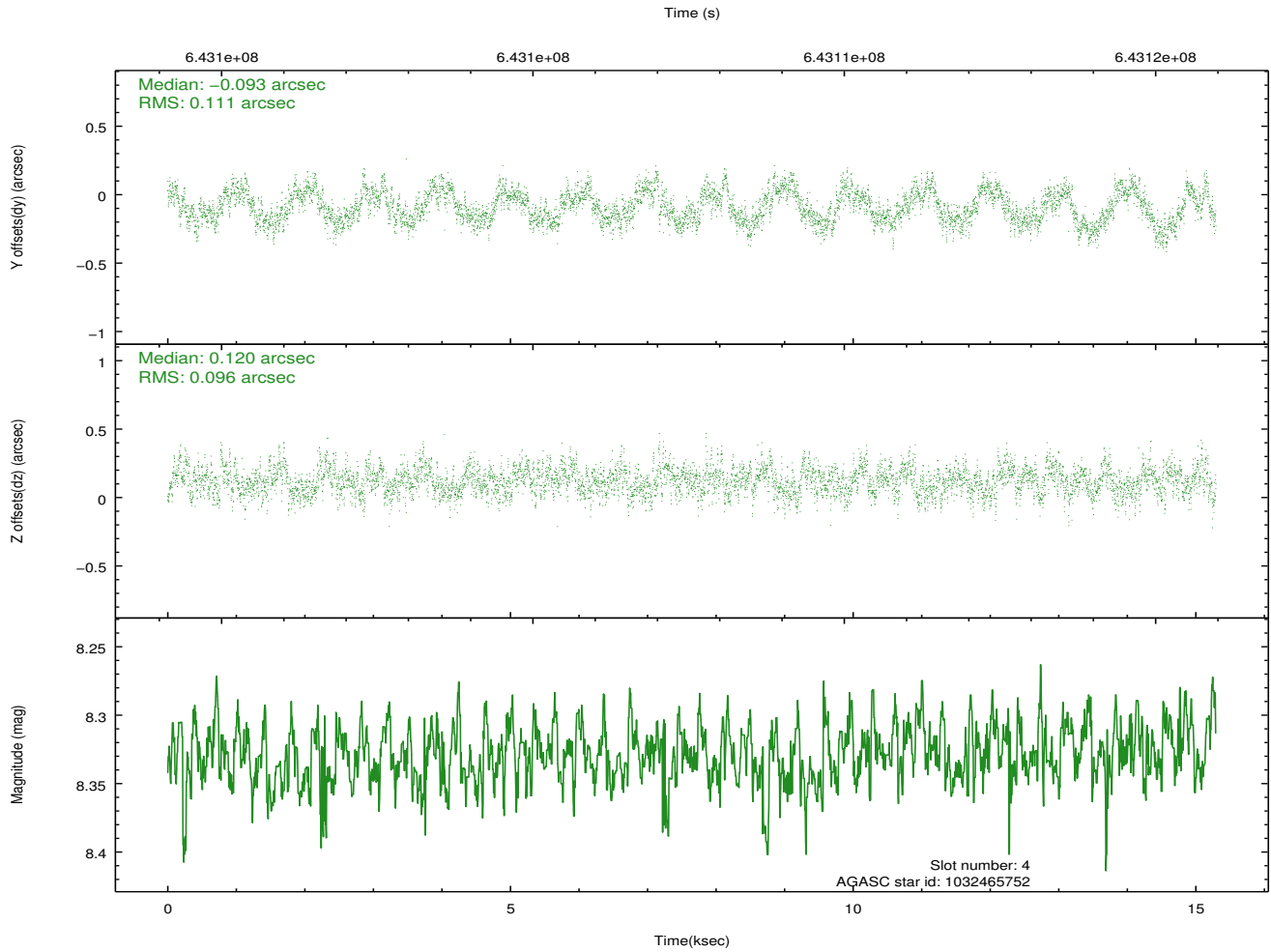
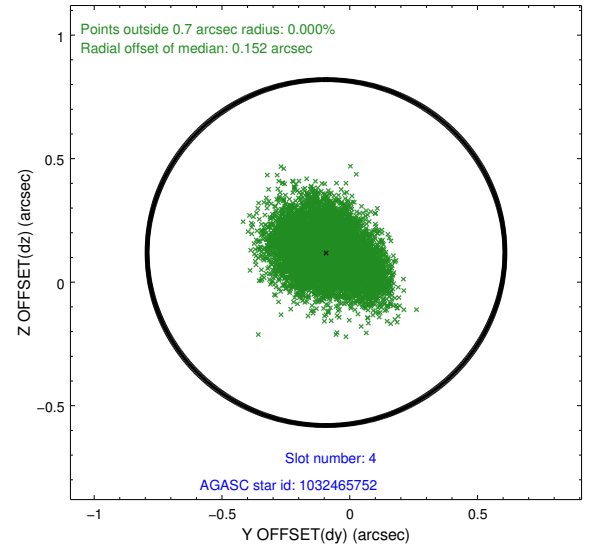
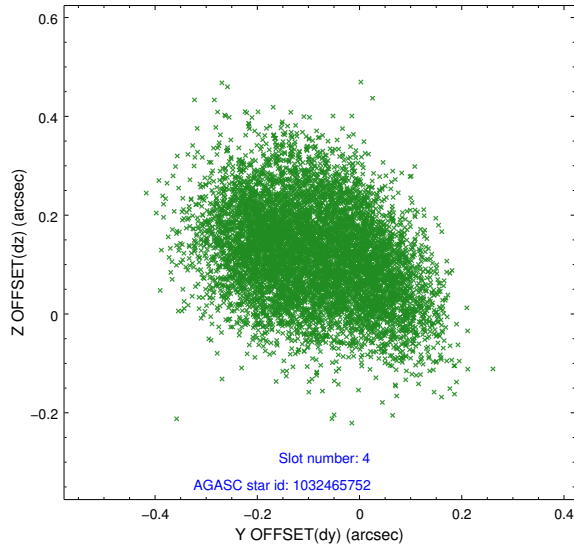
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.27	3730	-0.070	-0.121	0.016	0.046	0.000000	0.000000	918.91	-845.77
1	FID		ACIS-I-4	7.21	3730	0.478	0.142	0.018	0.033	0.000000	0.000000	2139.47	1054.28
2	FID		ACIS-I-5	7.26	3730	-0.505	0.051	0.013	0.023	0.000000	0.000000	-1829.34	1051.98
3	GUIDE	used	1032456032	8.34	7452	0.097	0.468	0.136	0.228	256.011351	-42.138769	-1075.94	-975.37
4	GUIDE	used	1032465752	8.33	7455	-0.093	0.120	0.158	0.247	256.198812	-41.713400	420.24	-377.86
5	GUIDE	used	1032341952	7.17	7460	0.094	-0.584	0.123	0.213	254.946907	-41.627000	-1519.11	2390.65
6	GUIDE	used	1032462504	9.18	7447	-0.144	0.147	0.171	0.281	256.727236	-41.660593	1473.42	-1349.08
7	GUIDE	used	1032461400	8.86	7455	0.044	-0.142	0.163	0.269	256.843727	-41.417736	2348.78	-1036.25

2.4 Star Slots

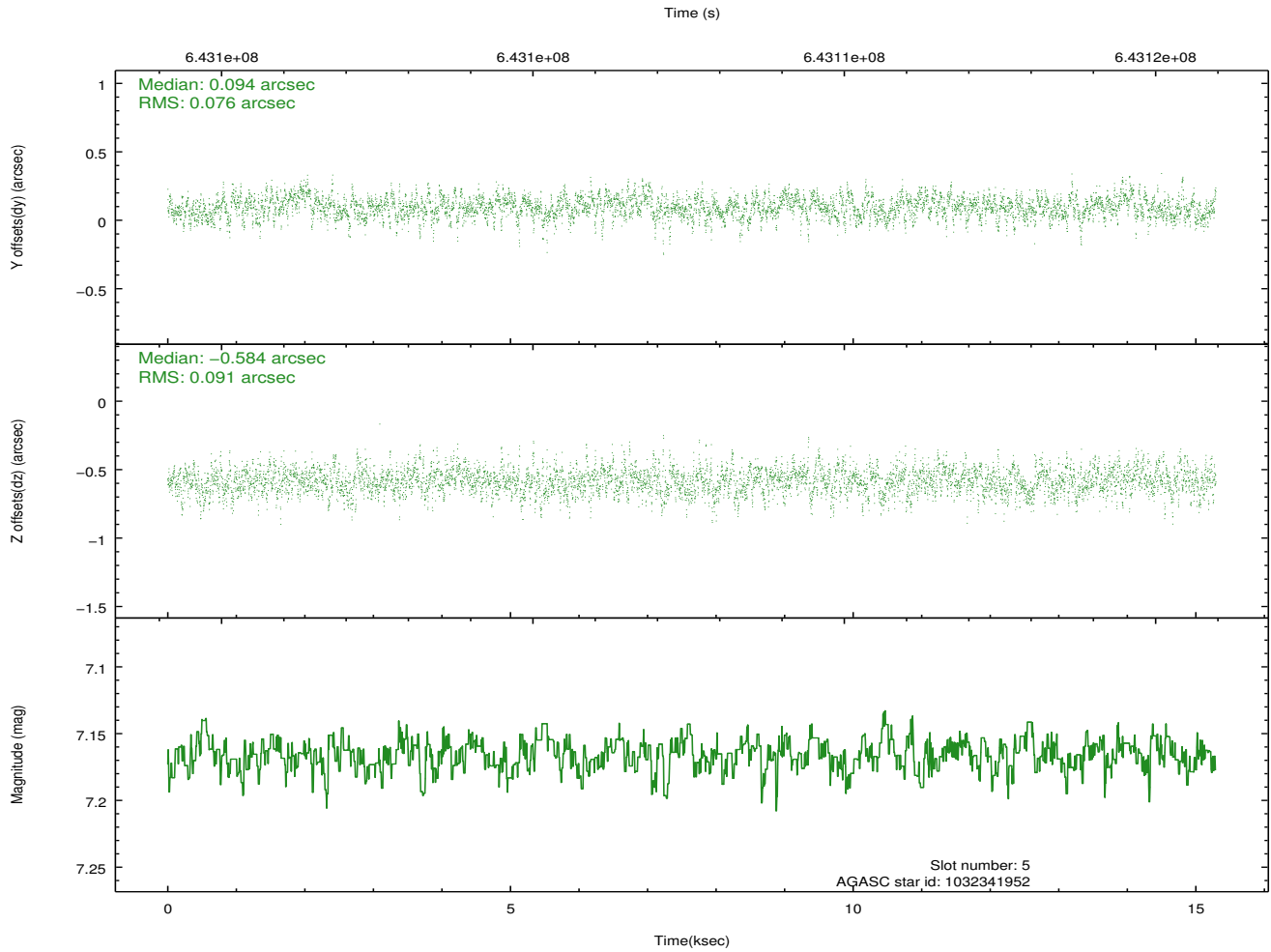
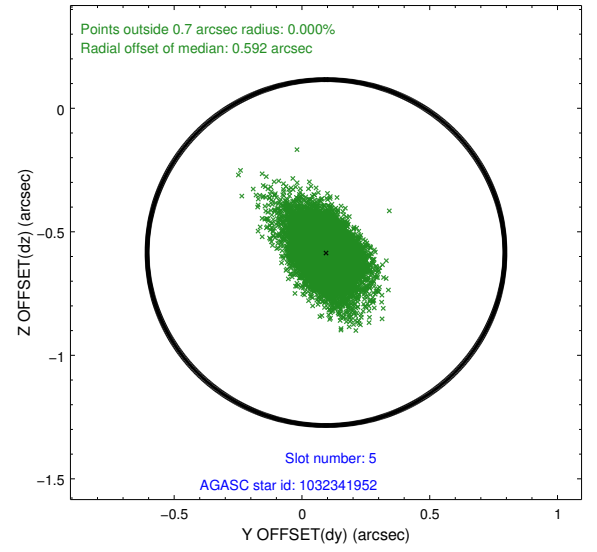
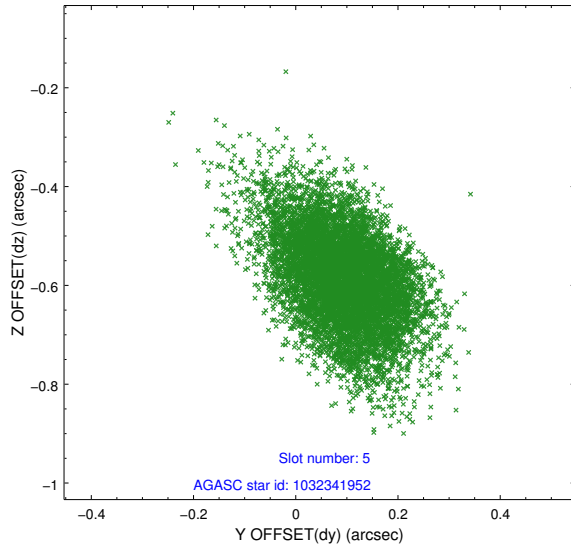
2.4.1 Slot 3



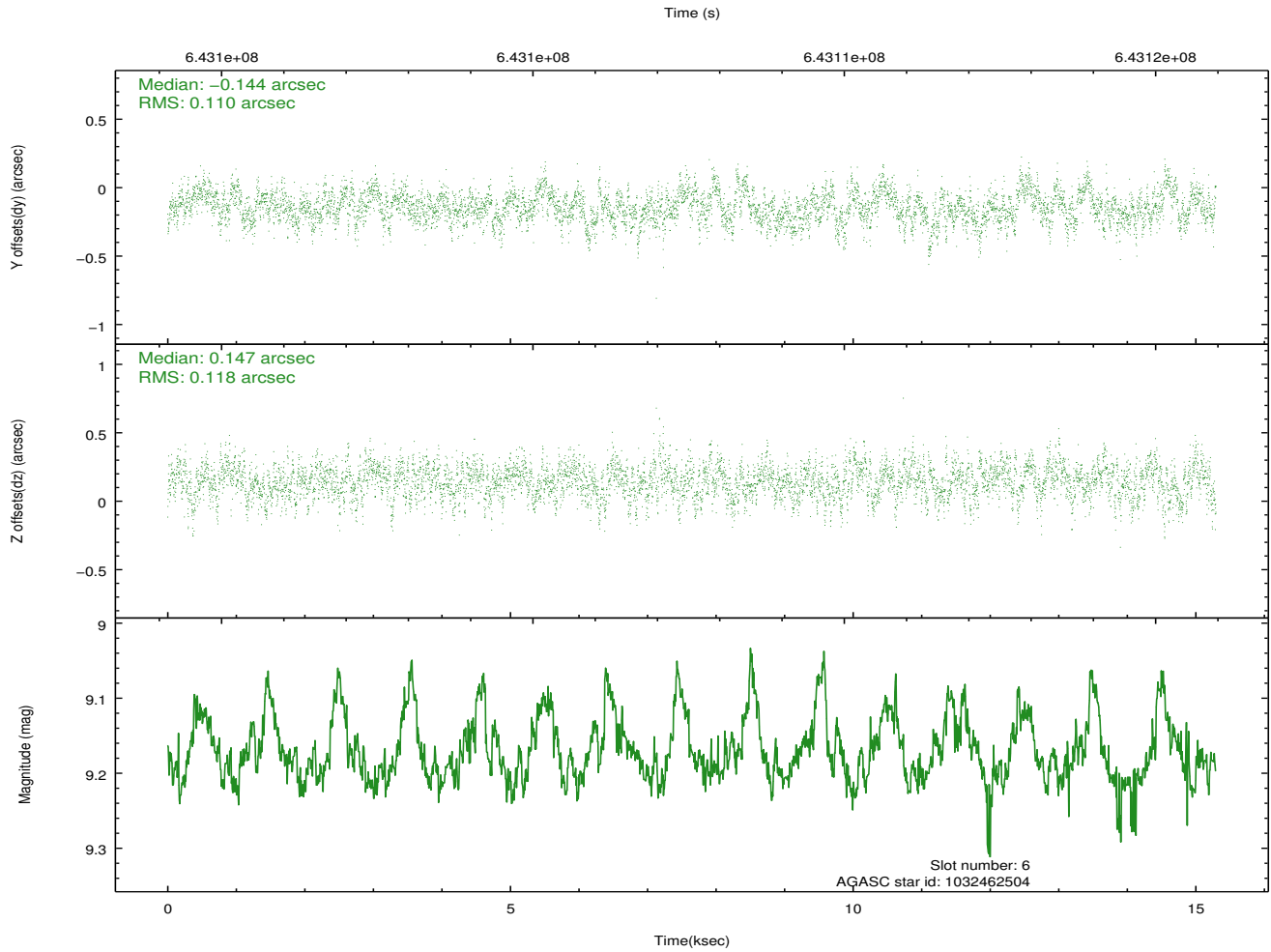
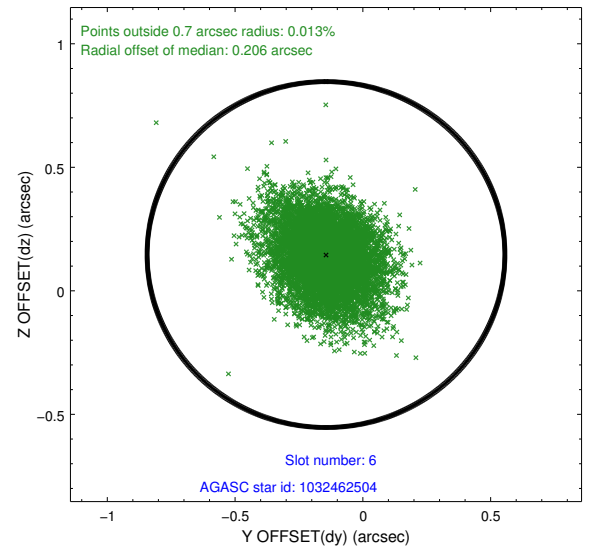
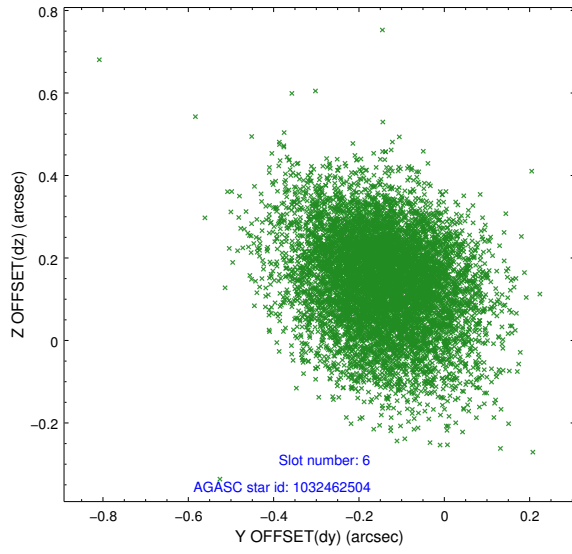
2.4.2 Slot 4



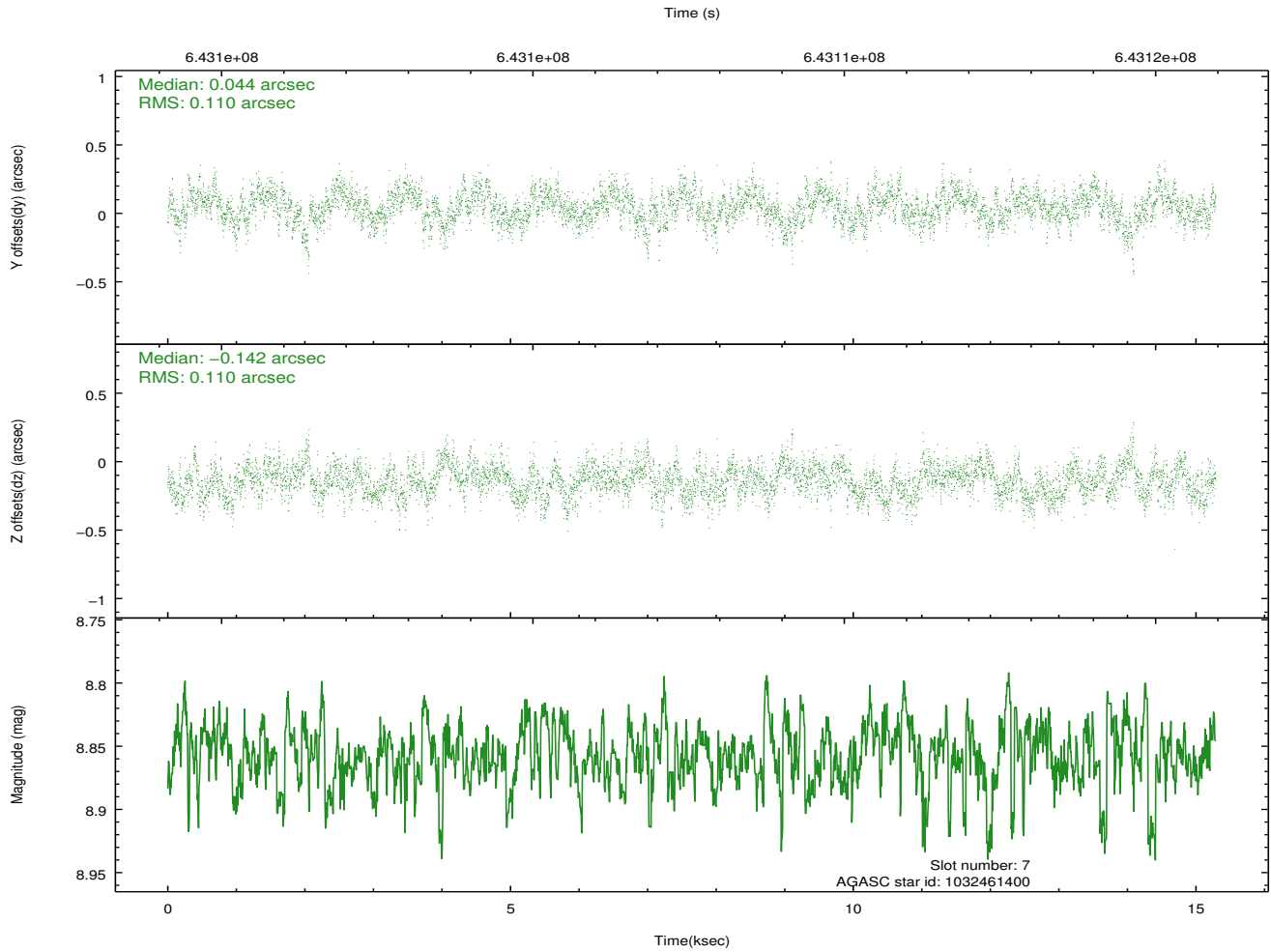
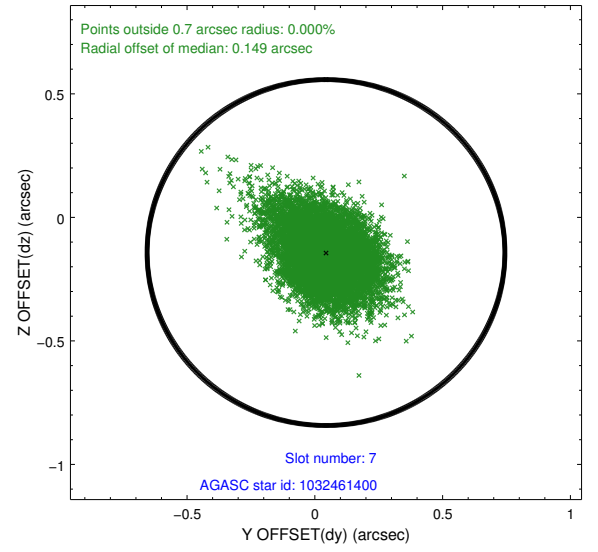
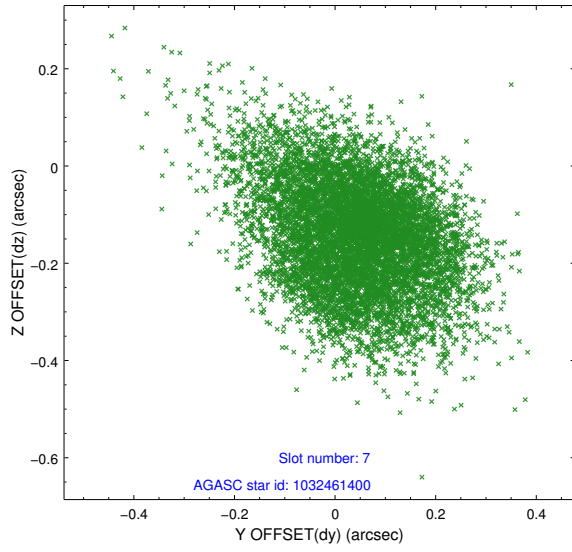
2.4.3 Slot 5



2.4.4 Slot 6

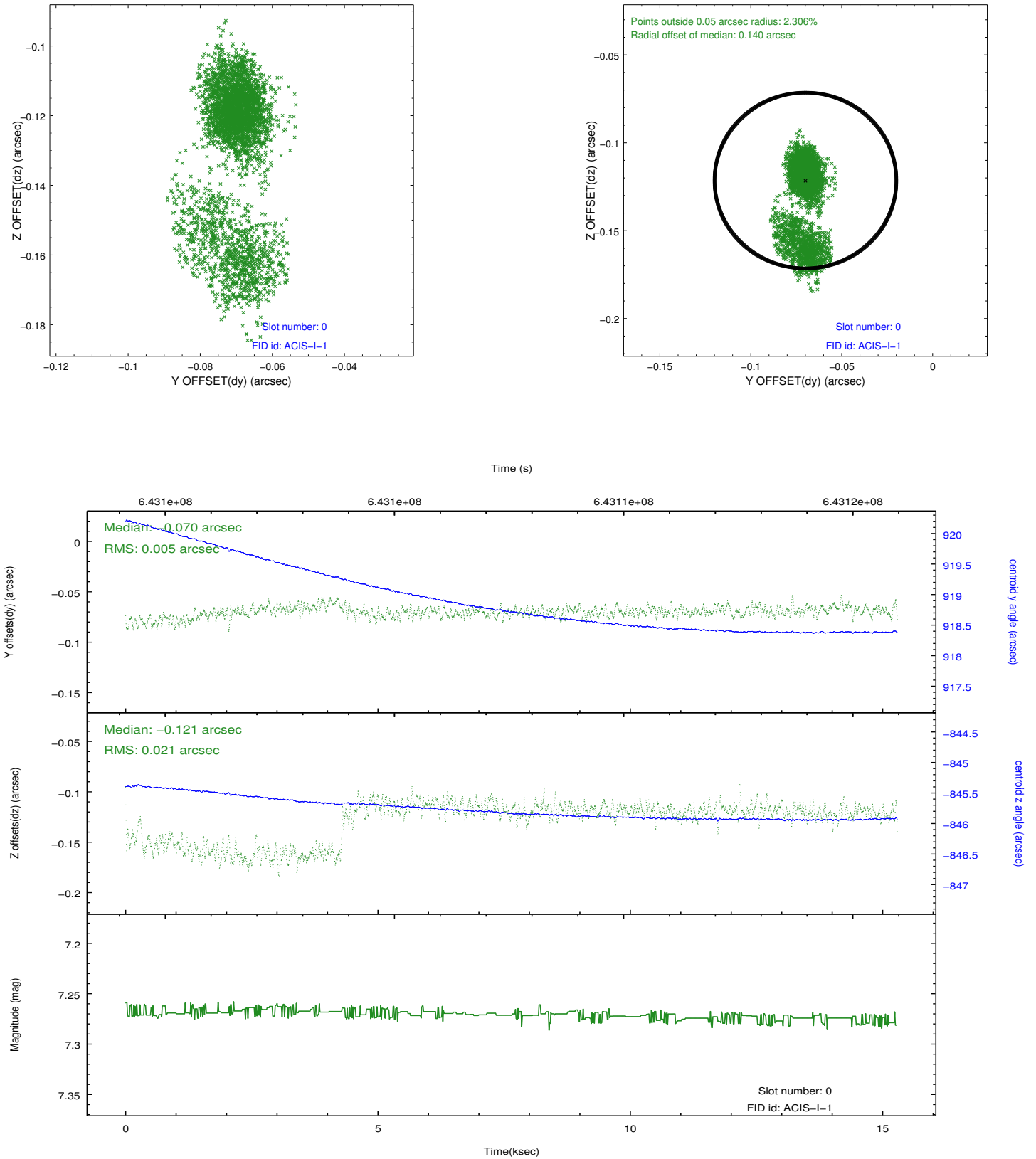


2.4.5 Slot 7

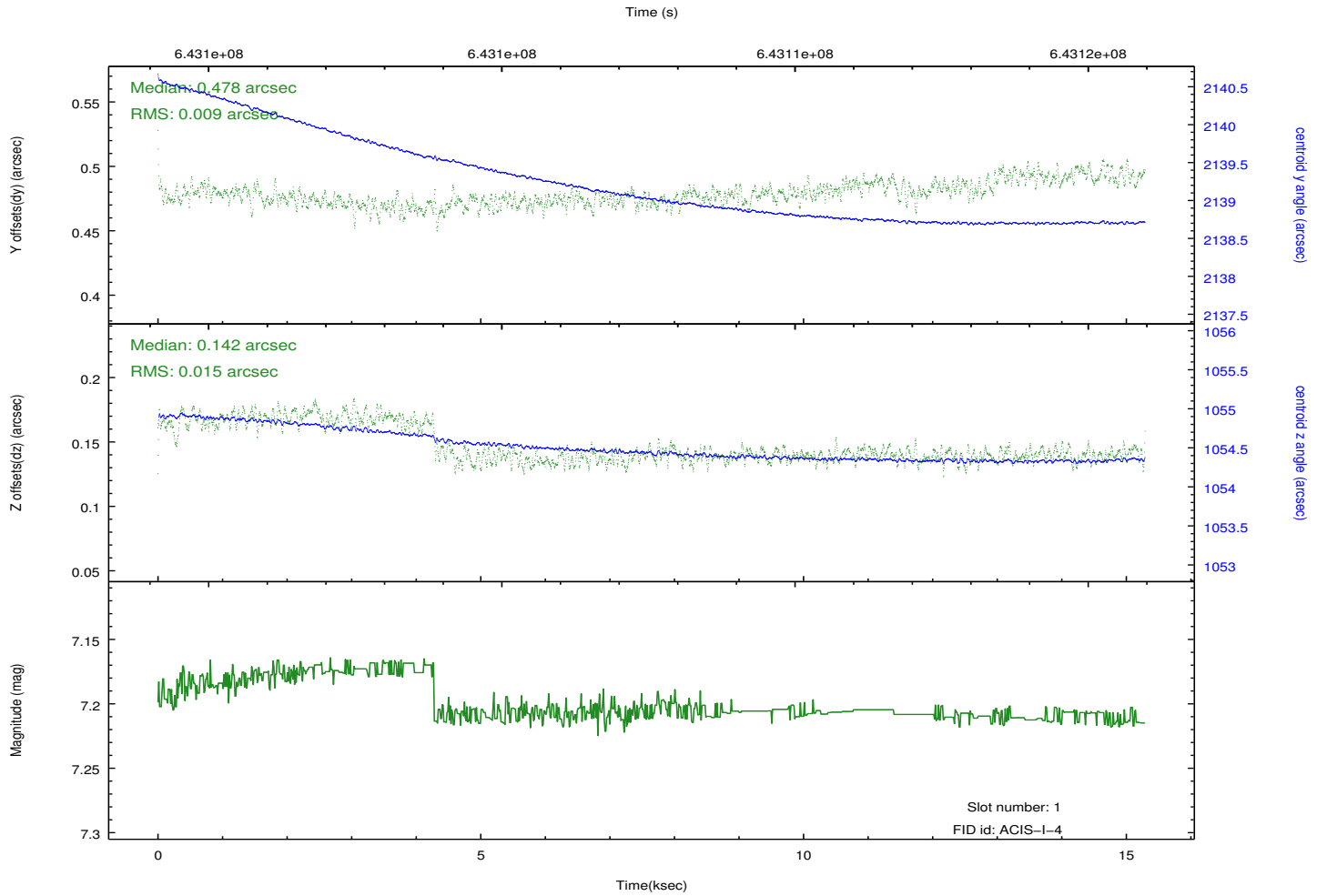
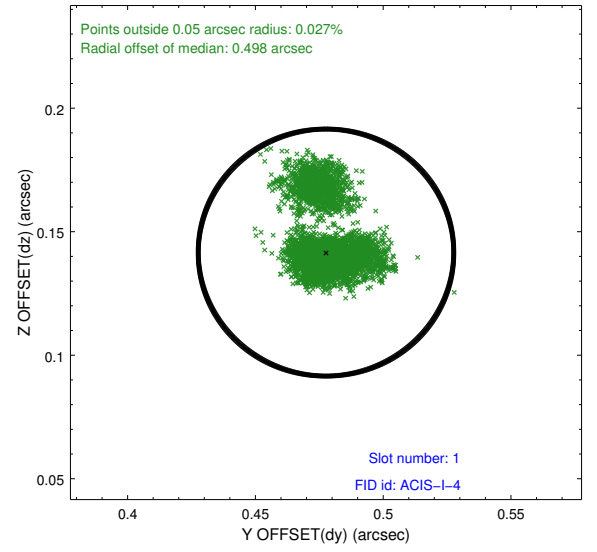
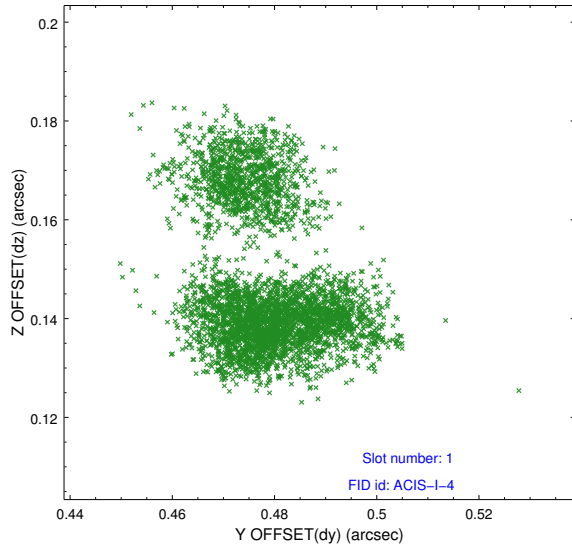


2.5 FID Slots

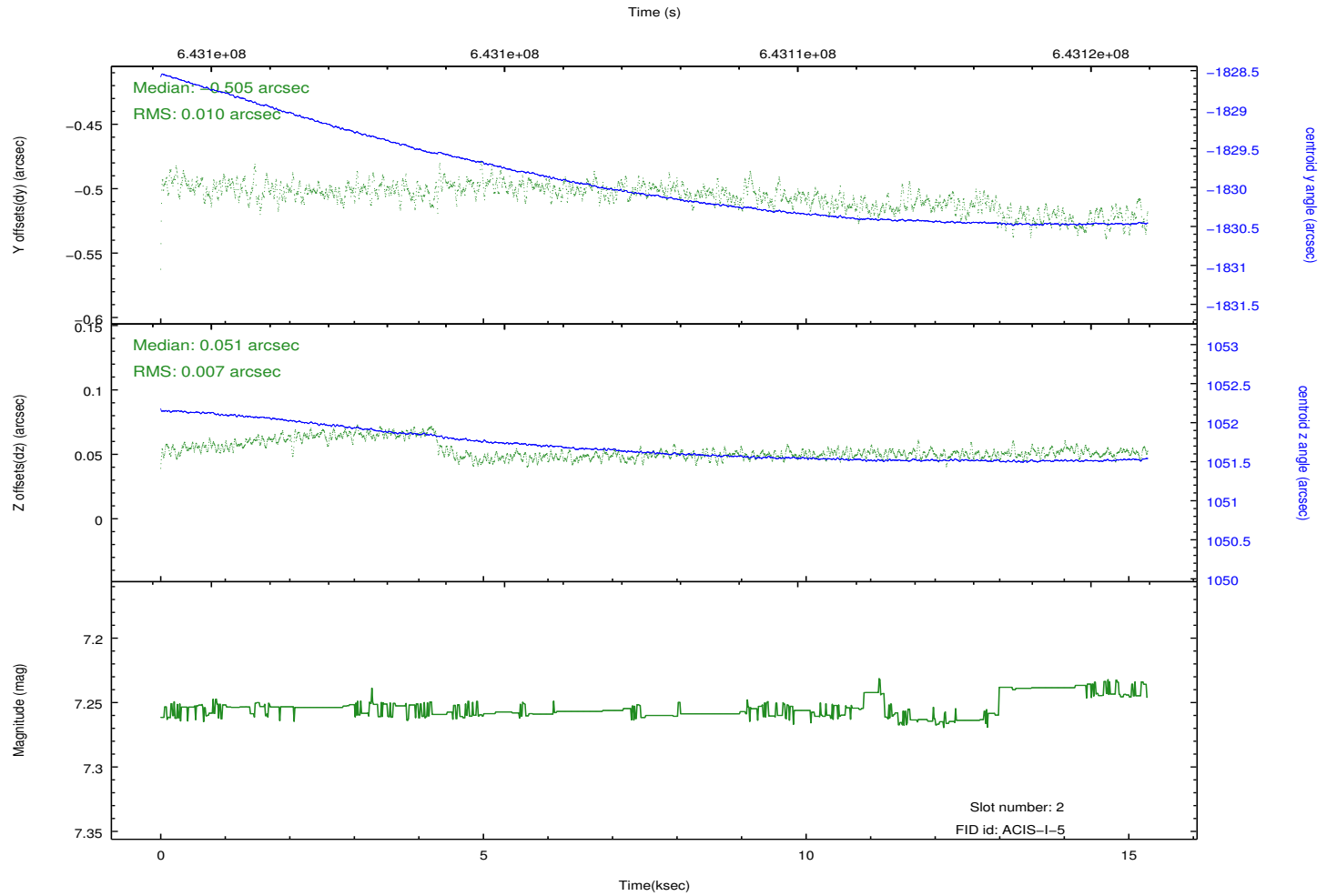
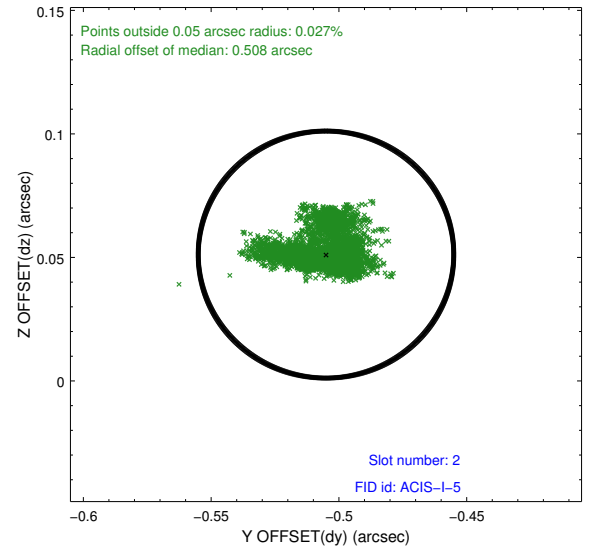
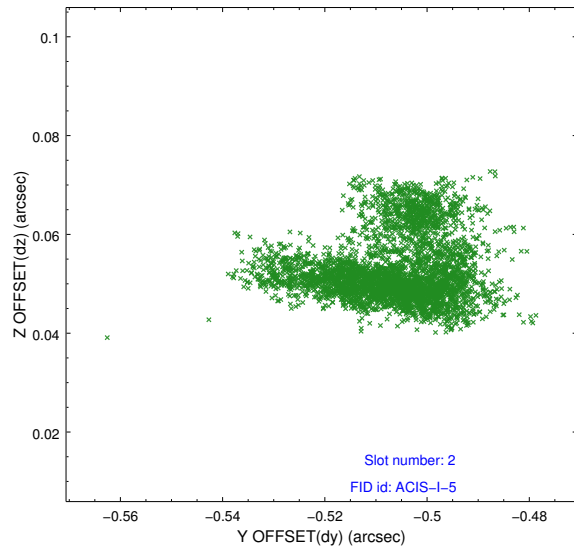
2.5.1 Slot 0



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	15.077431277394

A.2 Comments

One optional chip was dropped.