

V&V Reference Report

L2 ASCDS Version : 10.5.2

Observation 18466 - L2 Version 1
Chandra X-Ray Center

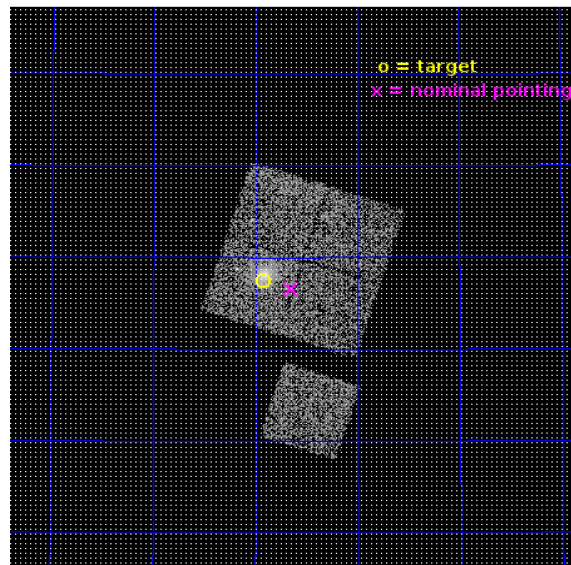
L2 Processing Date : Oct 29 2016

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1 Front

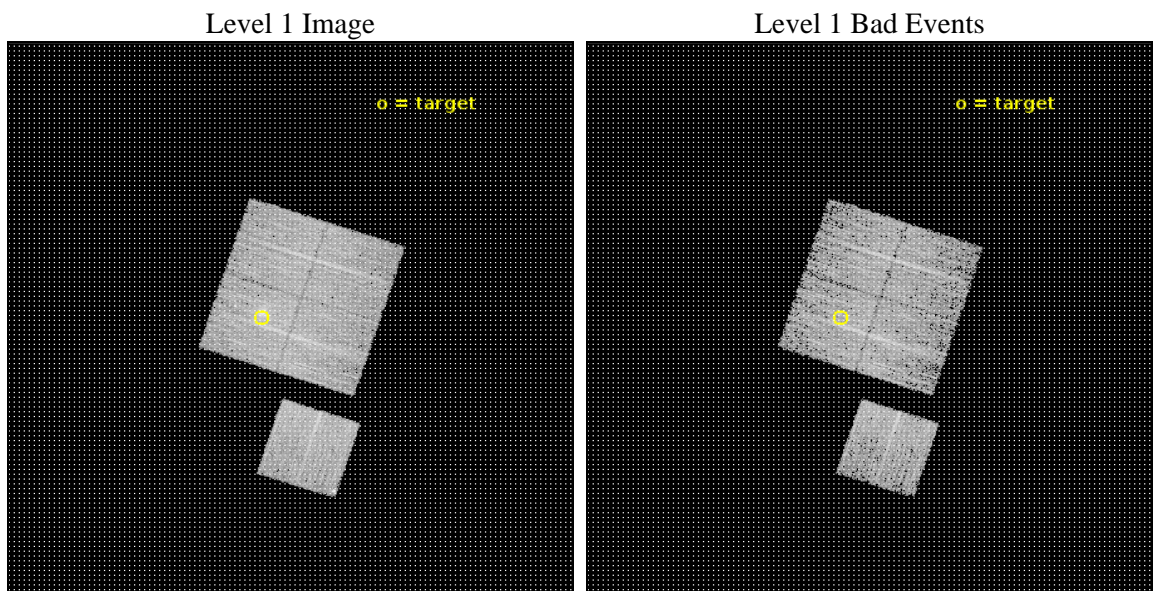
seq_num	801625	Sequence number
obs_id	18466	Observation id
title	Completing Chandra Snapshots of the Planck Cosmology Sample	Propos
observer	Ralph Kraft	Principal investigator
object	G132.49-17.29	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	25.73125	Observer's specified target RA [deg]
dec_targ	44.623611	Observer's specified target Dec [deg]
ra_nom	25.661682061677	Nominal RA [deg]
dec_nom	44.609925815459	Nominal Dec [deg]
roll_nom	198.2575631942	Nominal Roll [deg]
revision	1	Processing version of data
ontime	6069.7590366602	Sum of GTIs [s]
livetime	5990.4531663546	Livetime [s]
ontime0	6072.9000468254	Sum of GTIs [s]
ontime1	6072.9000468254	Sum of GTIs [s]
ontime2	6072.9000468254	Sum of GTIs [s]
ontime3	6069.7590366602	Sum of GTIs [s]
ontime6	6072.9000468254	Sum of GTIs [s]
l2events	22379	Number of level 2 events



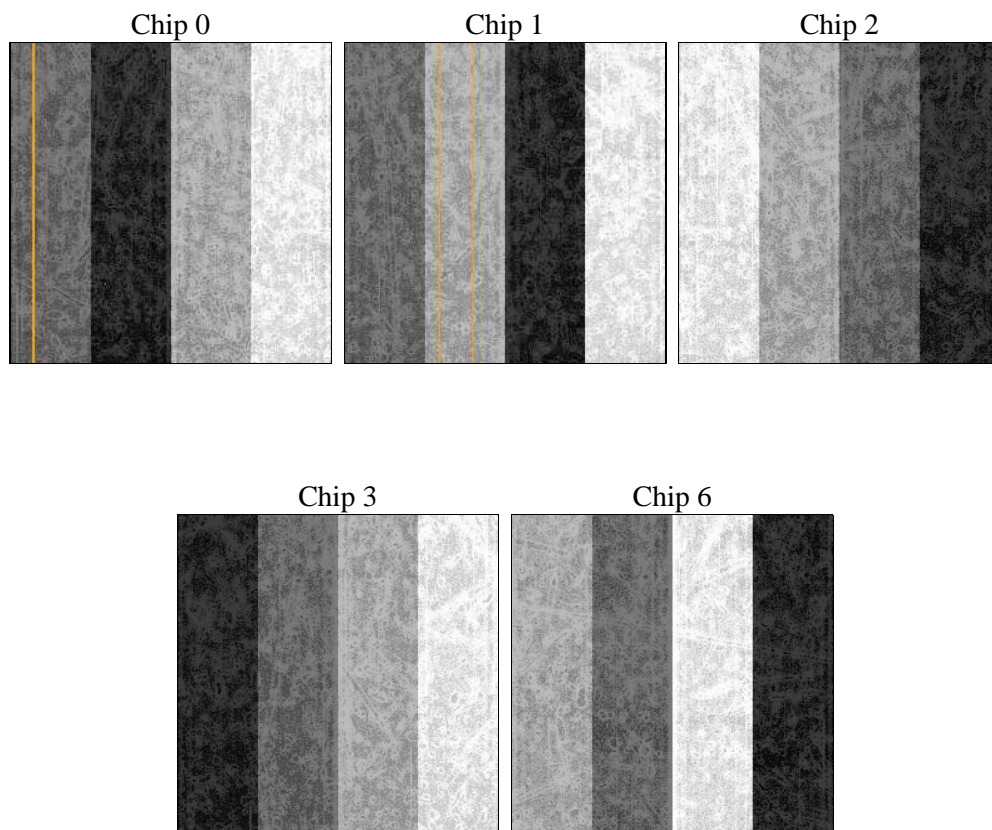
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.2	Processing system revision	ontime	6069.7590366602	Sum of GTIs [s]
caldsver	4.7.2	 	ontime0	6072.9000468254	Sum of GTIs [s]
date	2016-10-29T14:21:57	Date and time of file creation	ontime1	6072.9000468254	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	6072.9000468254	Sum of GTIs [s]
			ontime3	6069.7590366602	Sum of GTIs [s]
			ontime6	6072.9000468254	Sum of GTIs [s]
			l1events	198688	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	35354	38502	39708	43723	41401
rejected events	30774	33463	35434	36017	36550
rejected %	87%	86%	89%	82%	88%

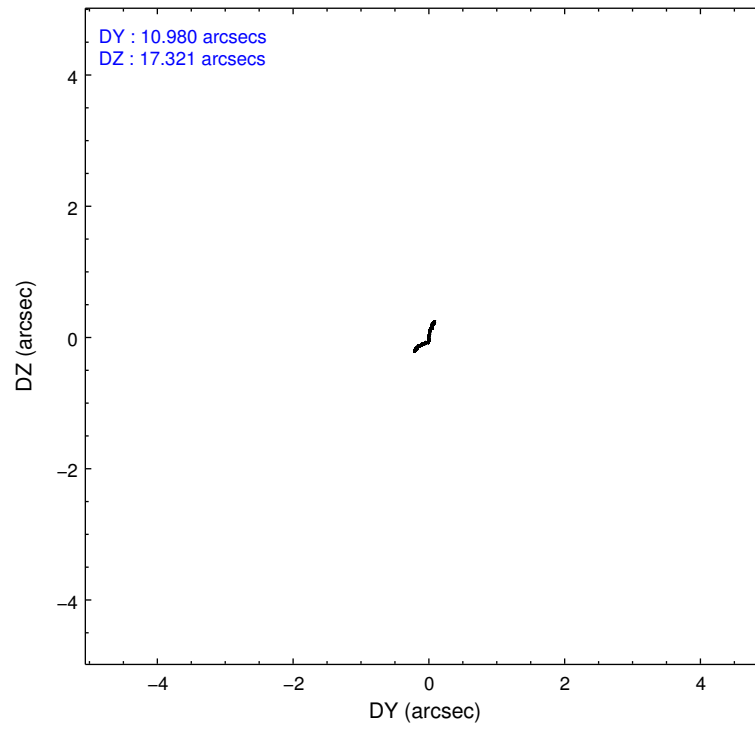
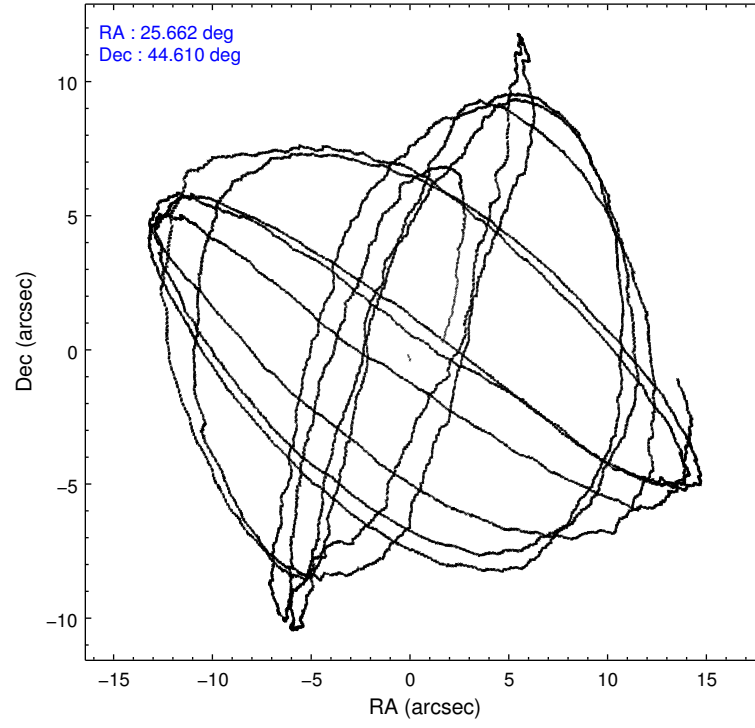
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	1610	1726	1505	4277	1920
	4%	4%	3%	9%	4%
grade 1 events	26	13	16	39	38
	0%	0%	0%	0%	0%
grade 2 events	1123	1280	1090	1295	996
	3%	3%	2%	2%	2%
grade 3 events	455	482	448	585	467
	1%	1%	1%	1%	1%
grade 4 events	453	444	444	527	446
	1%	1%	1%	1%	1%
grade 5 events	1737	1864	1685	1872	1955
	4%	4%	4%	4%	4%
grade 6 events	941	1111	792	1025	1026
	2%	2%	1%	2%	2%
grade 7 events	29009	31582	33728	34103	34553
	82%	82%	84%	77%	83%

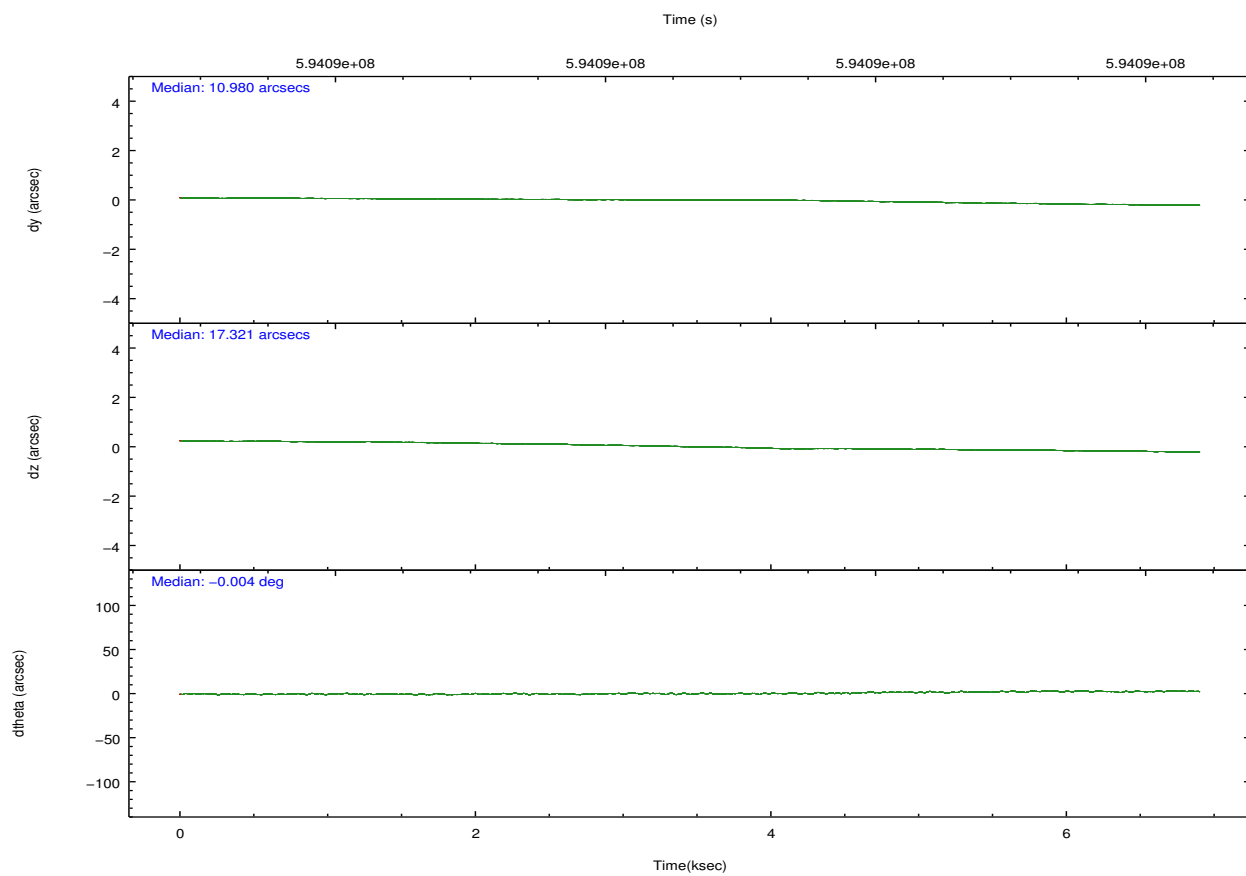
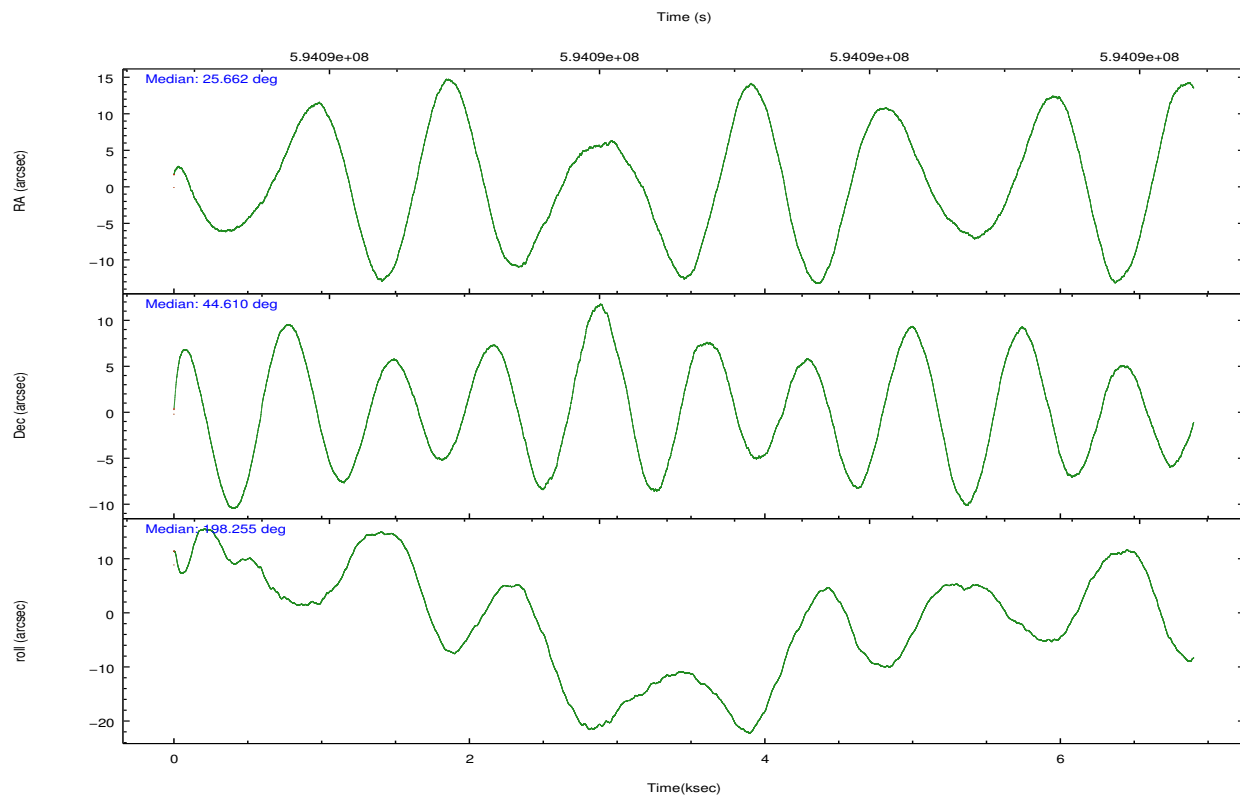
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-01236	ACIS-01236
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	25.687421	25.66168206167742
[deg] Pointing Dec	44.630647	44.60992581545877
[deg] Pointing Roll	198.030776	198.2575631942035
[mm] SIM focus pos	-0.782348	-0.7809083437167272
[mm] SIM defocus	0	0.001439871863259334
[mm] SIM translation stage pos	-225.840463	-225.8433433320239
[mm] SIM translation stage offset	-7.752	-7.749109670905796
[s] Observation start time (MET)	594088076.184000	594086086.5564801
Observation start date	2016-10-29T00:26:48	2016-10-28T23:54:46
[s] Observation end time (MET)	594094076.184000	594094770.86948
Observation end date	2016-10-29T02:06:48	2016-10-29T02:19:30
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	N	N
CCD S2 on	O1	Y
CCD S3 on	N	N
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	3.1

2.3 Aspect



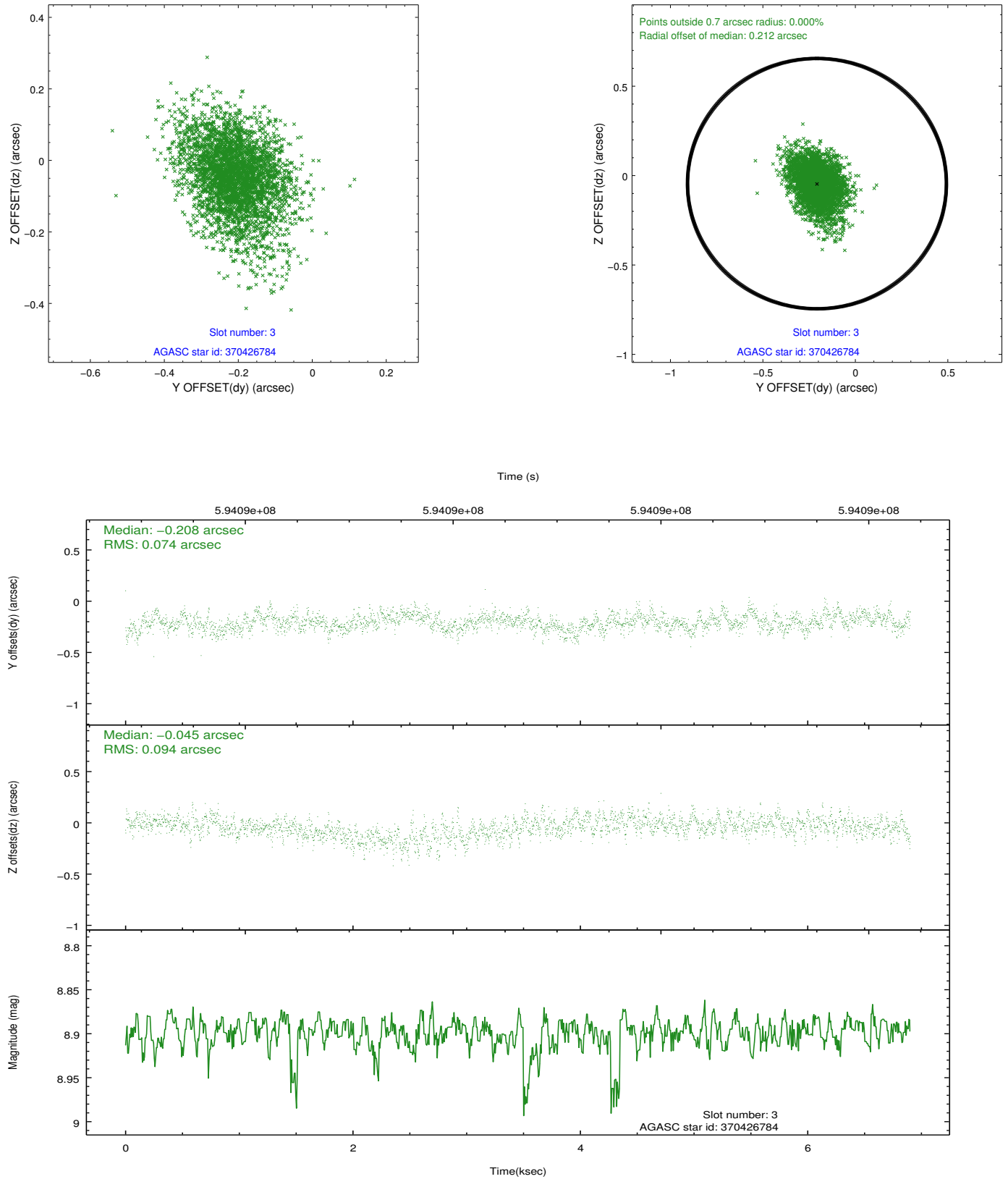


Slot Statistics

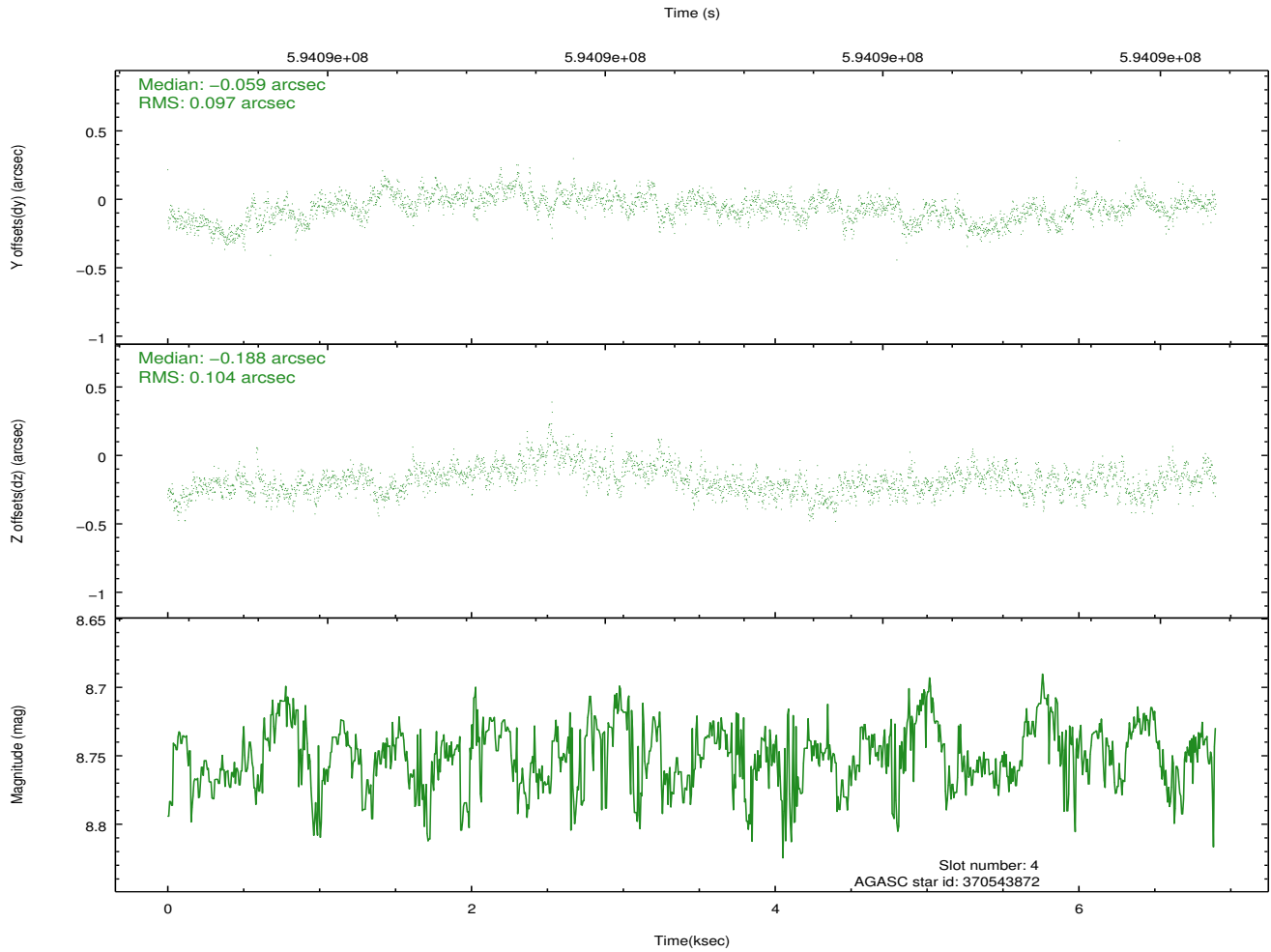
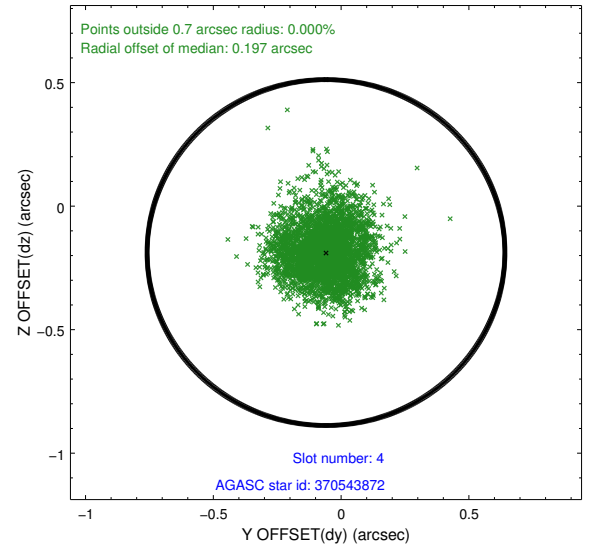
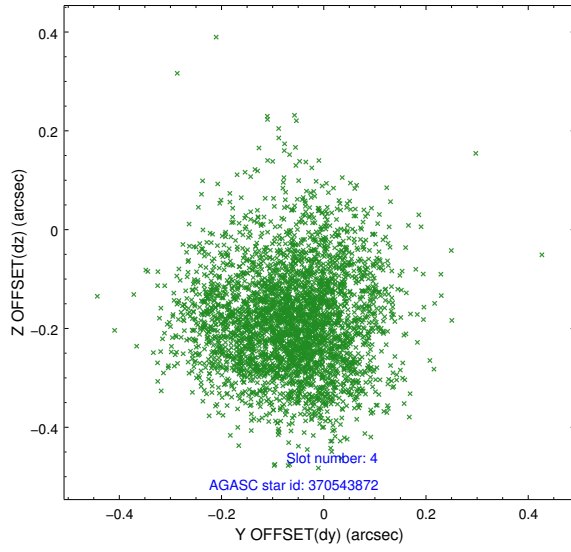
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.12	1684	0.143	-0.092	0.019	0.033	0.000000	0.000000	928.65	-1000.15
1	FID		ACIS-I-5	7.11	1684	-0.352	0.103	0.010	0.017	0.000000	0.000000	-1819.55	896.94
2	FID		ACIS-I-6	7.14	1684	0.115	0.062	0.012	0.018	0.000000	0.000000	393.18	1542.42
3	GUIDE	used	370426784	8.90	3364	-0.208	-0.045	0.124	0.211	24.847833	44.555766	2128.23	-420.68
4	GUIDE	used	370543872	8.75	3366	-0.059	-0.188	0.153	0.243	26.584062	44.646838	-2205.13	643.36
5	GUIDE	used	429785624	9.22	3366	0.016	0.347	0.181	0.301	26.028480	45.301497	-1569.44	-2030.33
6	GUIDE	used	429802720	8.82	3362	0.012	-0.036	0.128	0.202	25.429579	45.053520	152.11	-1651.79
7	GUIDE	used	370413144	9.20	3364	0.242	-0.091	0.215	0.330	24.606786	44.914998	2296.73	-1843.23

2.4 Star Slots

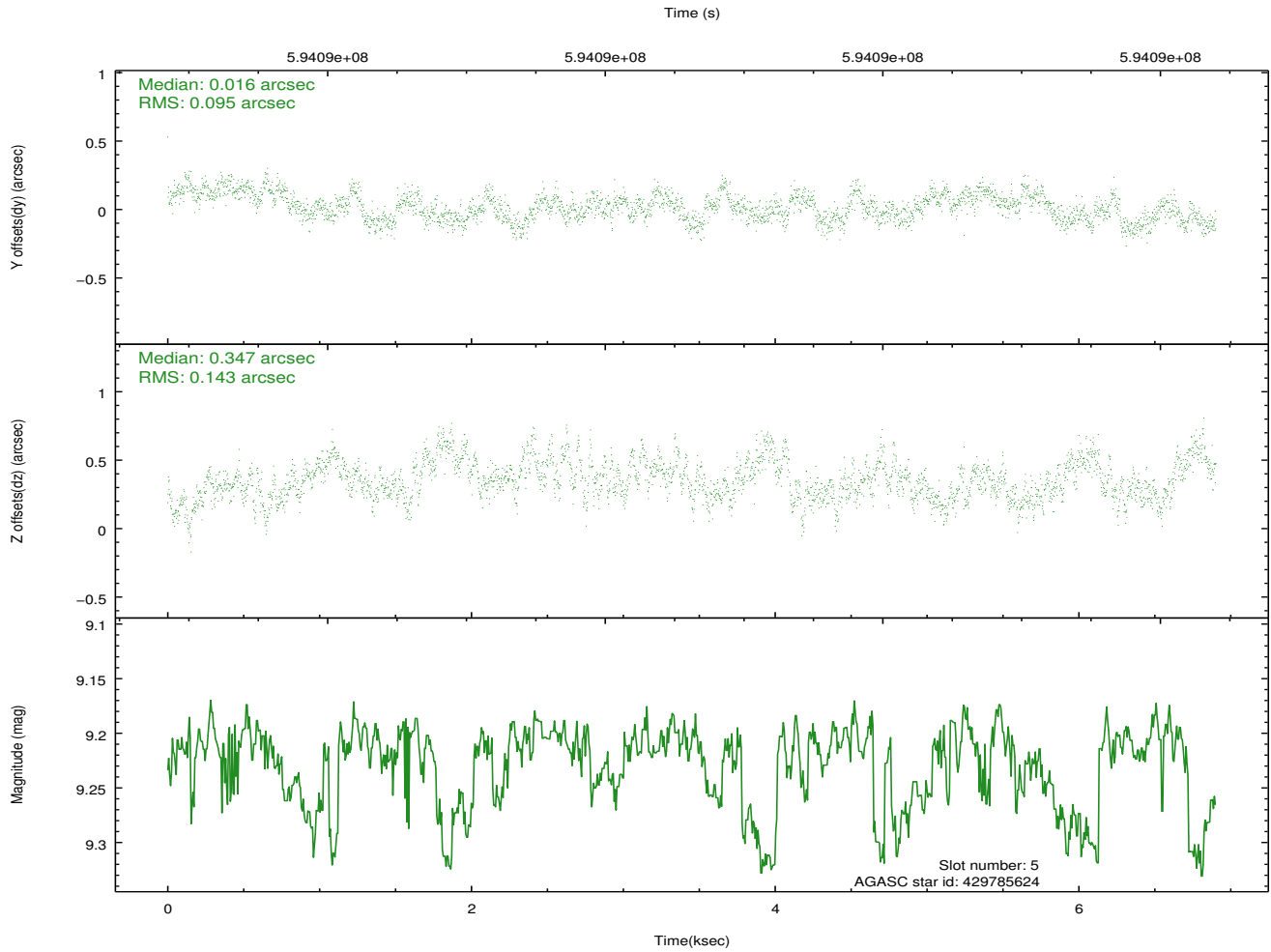
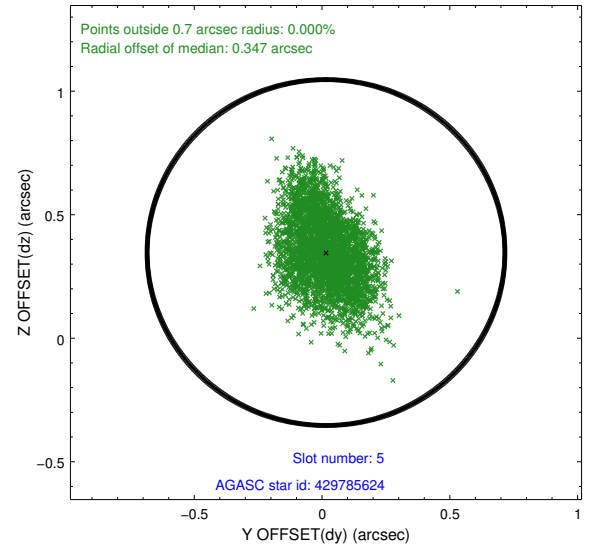
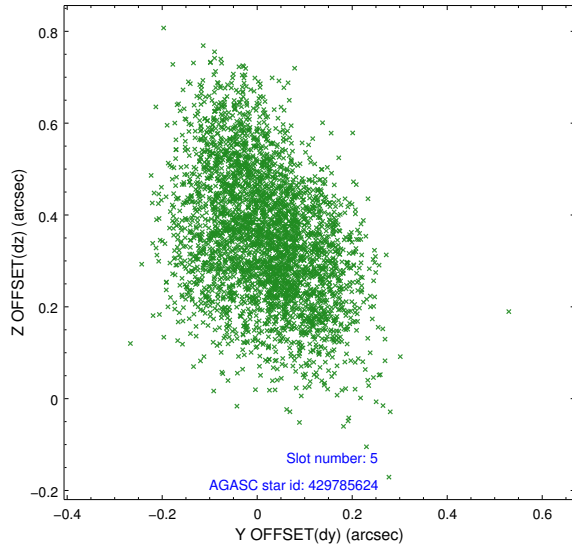
2.4.1 Slot 3



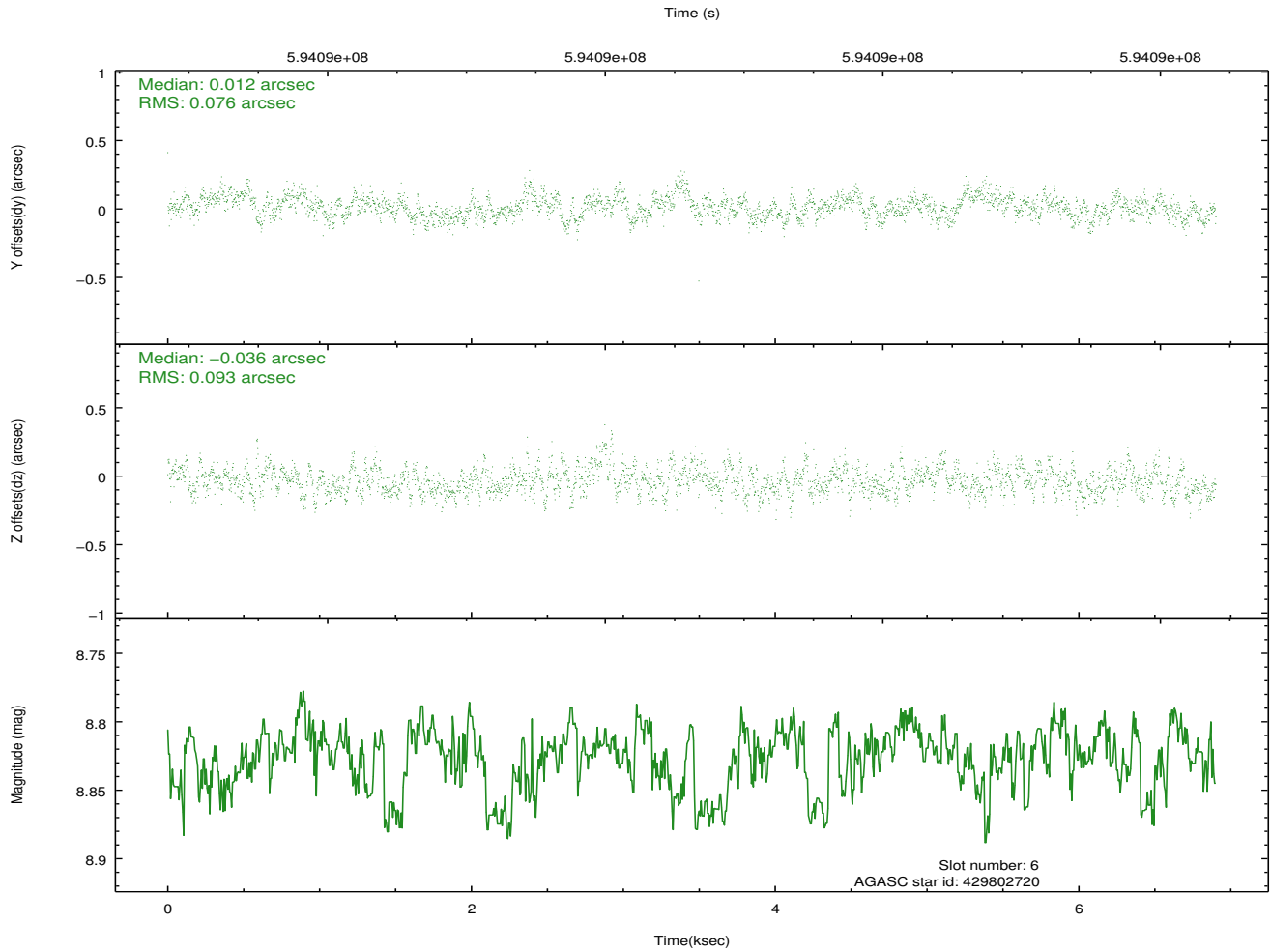
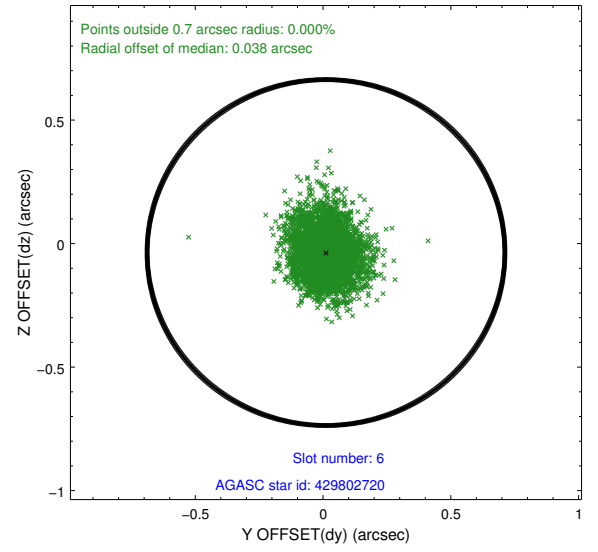
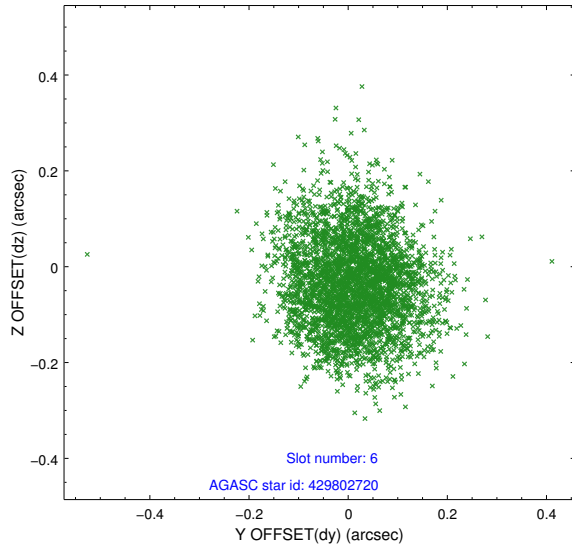
2.4.2 Slot 4



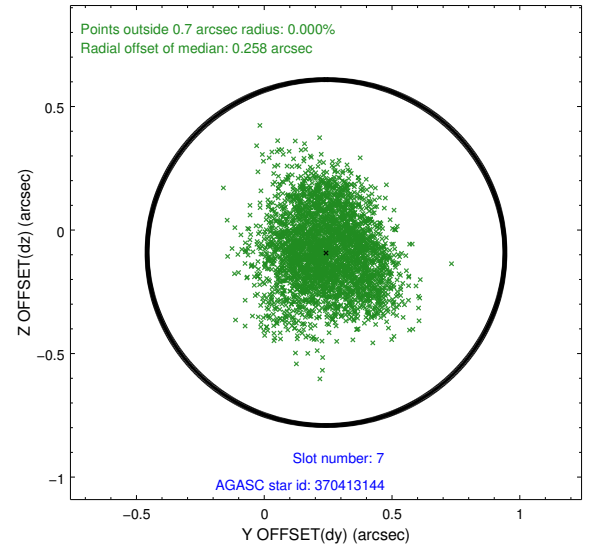
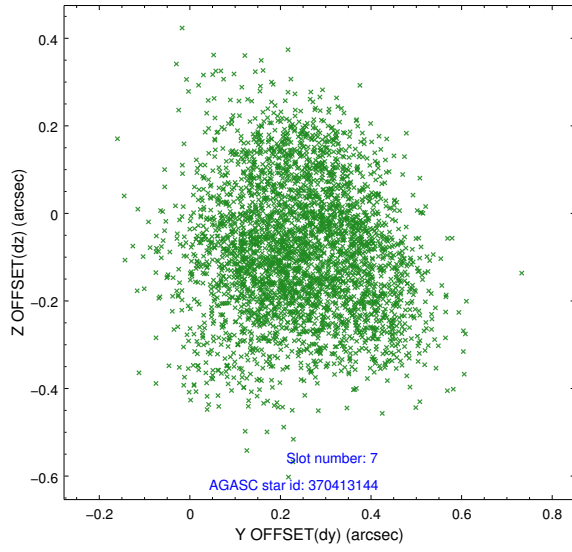
2.4.3 Slot 5



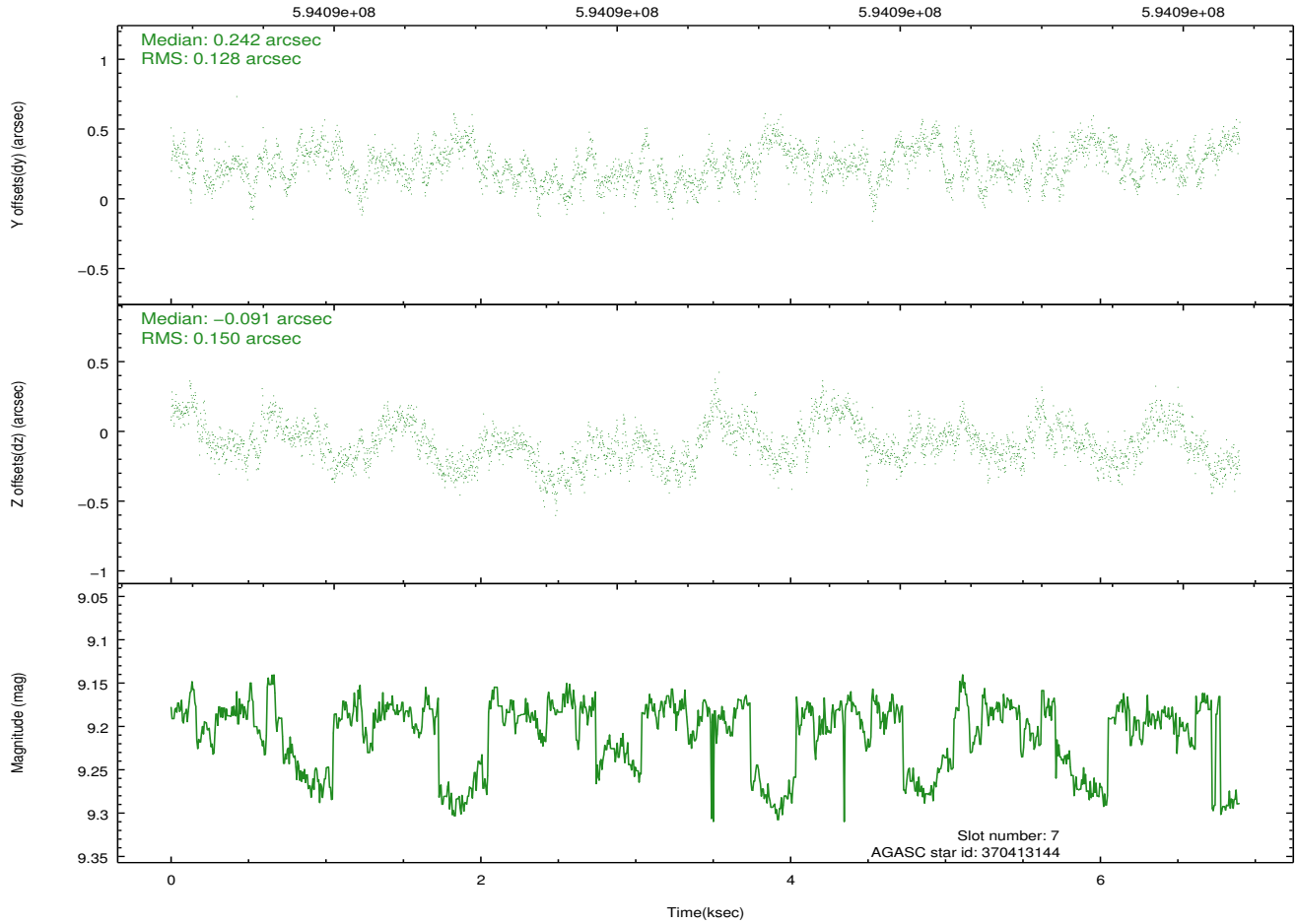
2.4.4 Slot 6



2.4.5 Slot 7

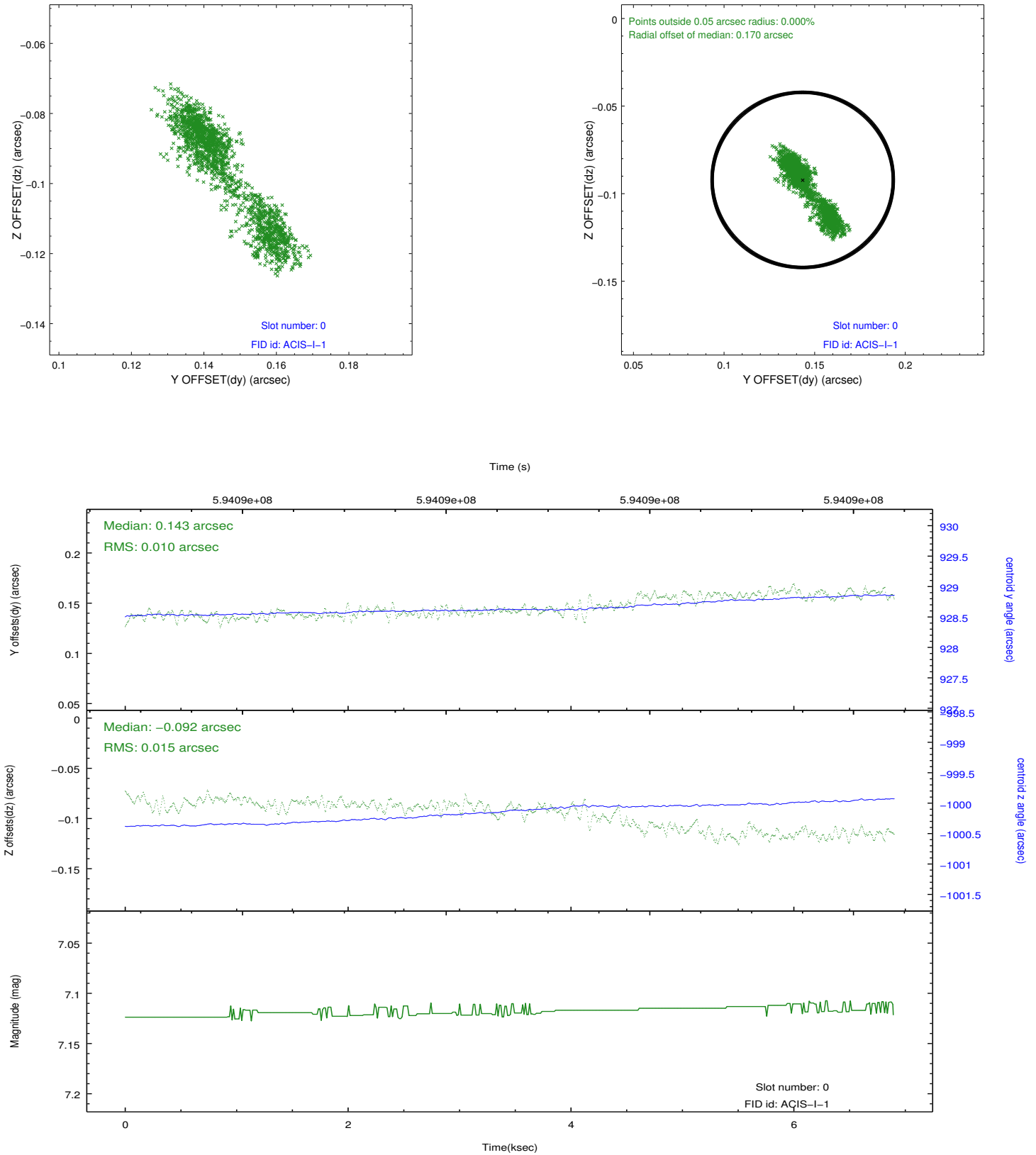


Time (s)

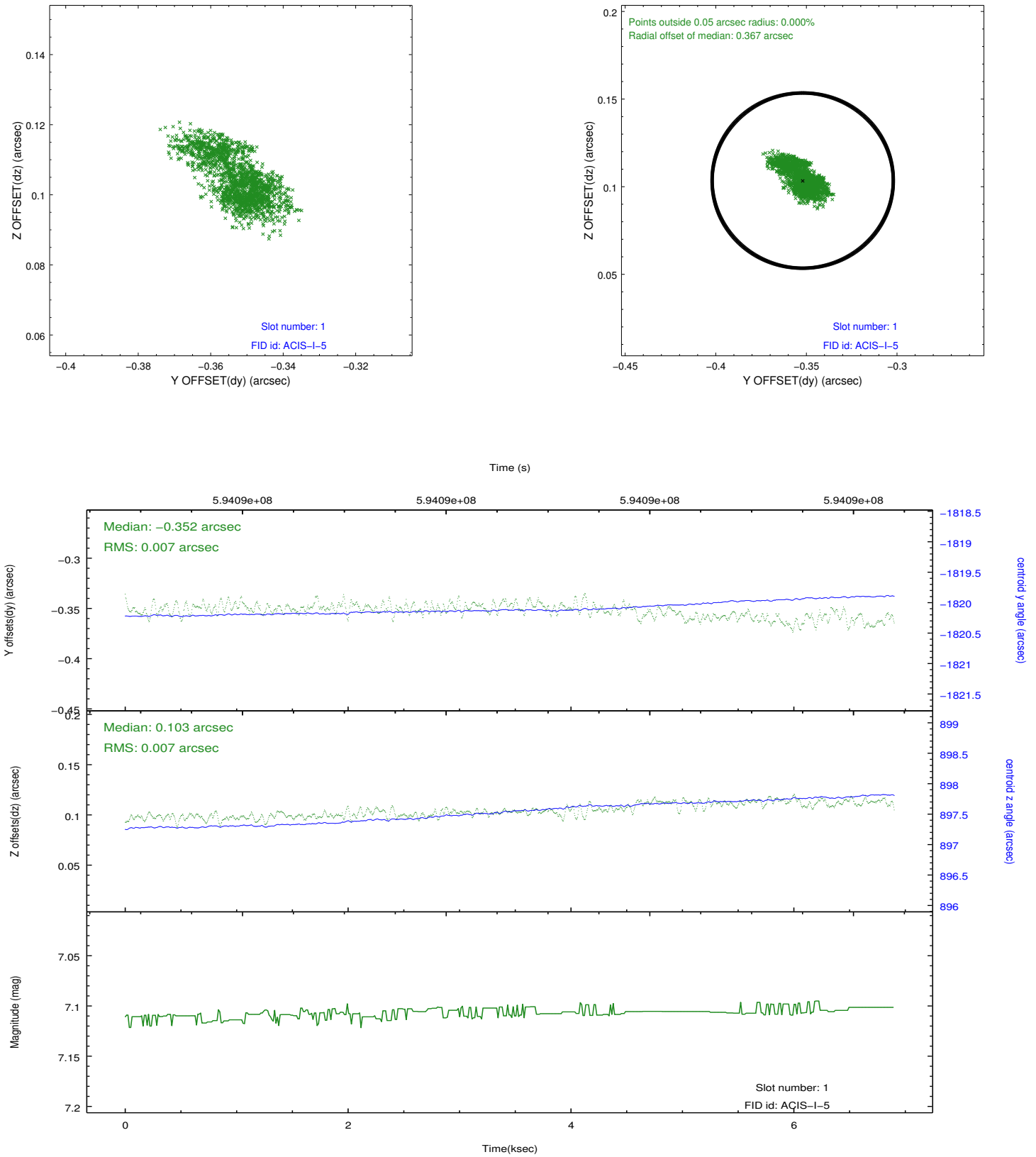


2.5 FID Slots

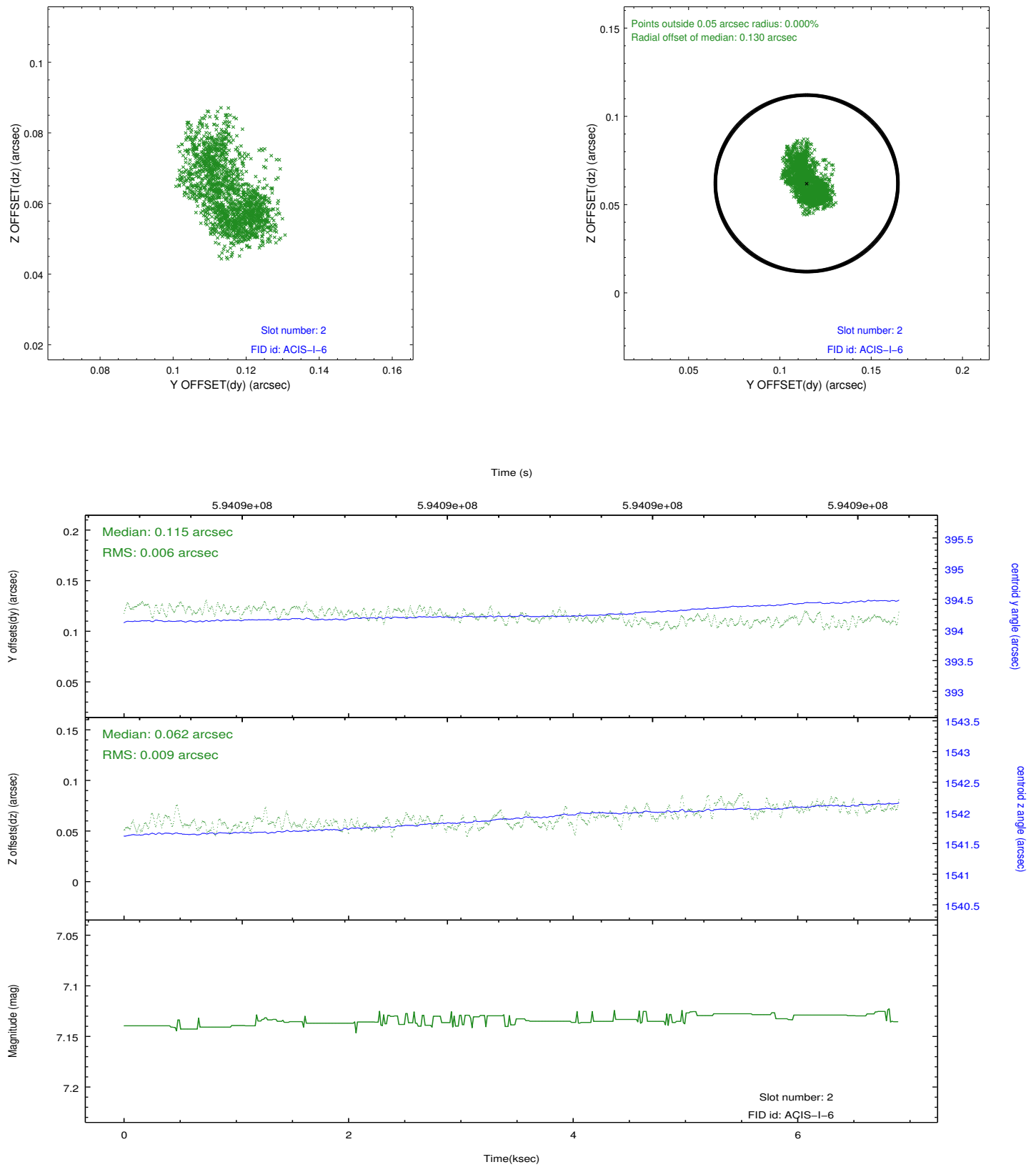
2.5.1 Slot 0



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)	2016.10.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.0697590366602

A.2 Comments