

V&V Reference Report

L2 ASCDS Version : 10.5.2

Observation 19995 - L2 Version 1
Chandra X-Ray Center

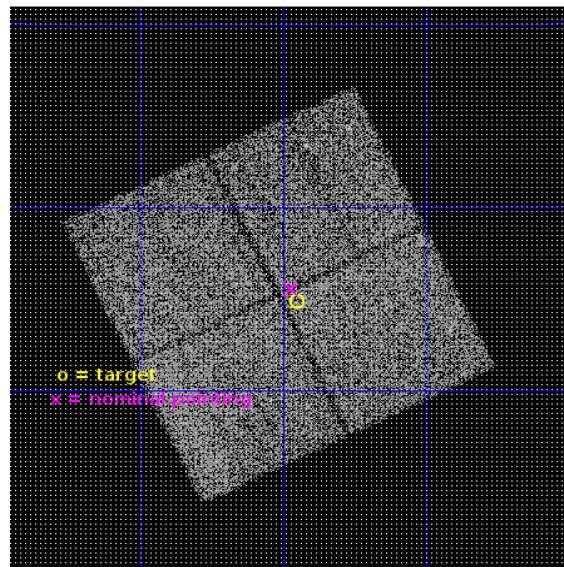
L2 Processing Date : Jan 31 2017

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1 Front

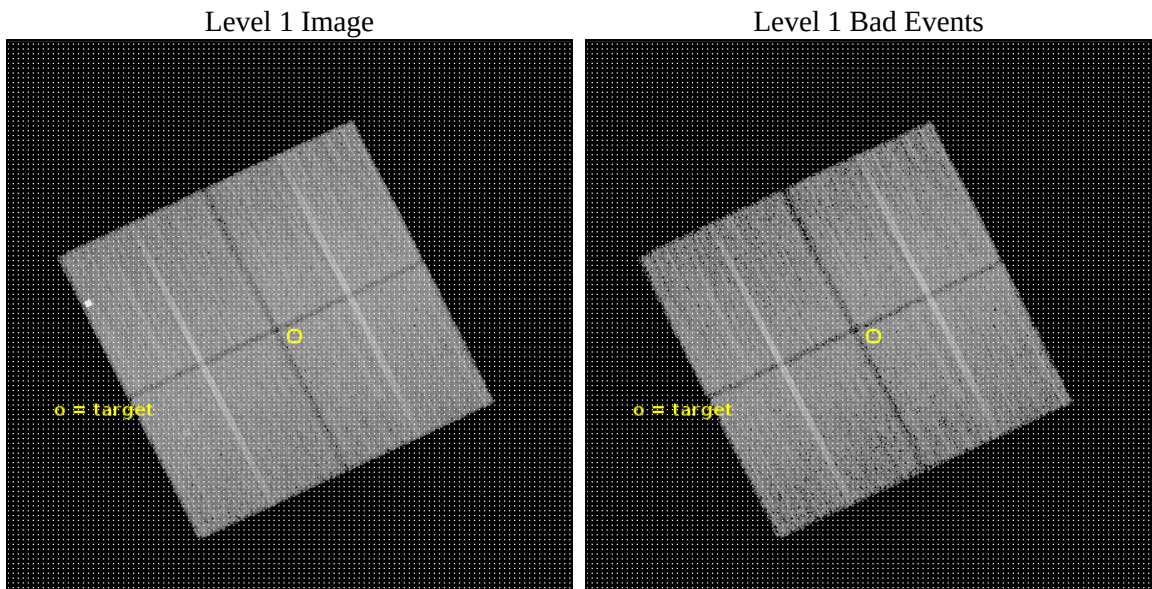
seq_num	703249	Sequence number
obs_id	19995	Observation id
title	QSOs at z=6: Black Hole Growth and Feedback in the Early Universe	
observer	Dr Roberto Gilli	Principal investigator
object	SDSSJ1030+0524	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	157.612917	Observer's specified target RA [deg]
dec_targ	5.415278	Observer's specified target Dec [deg]
ra_nom	157.61812621193	Nominal RA [deg]
dec_nom	5.4261680976143	Nominal Dec [deg]
roll_nom	64.208209872424	Nominal Roll [deg]
revision	1	Processing version of data
ontime	27077.973826766	Sum of GTIs [s]
livetime	26724.180164205	Livetime [s]
ontime0	27077.850697041	Sum of GTIs [s]
ontime1	27074.750676513	Sum of GTIs [s]
ontime2	27077.932786822	Sum of GTIs [s]
ontime3	27077.973826766	Sum of GTIs [s]
l2events	68771	Number of level 2 events



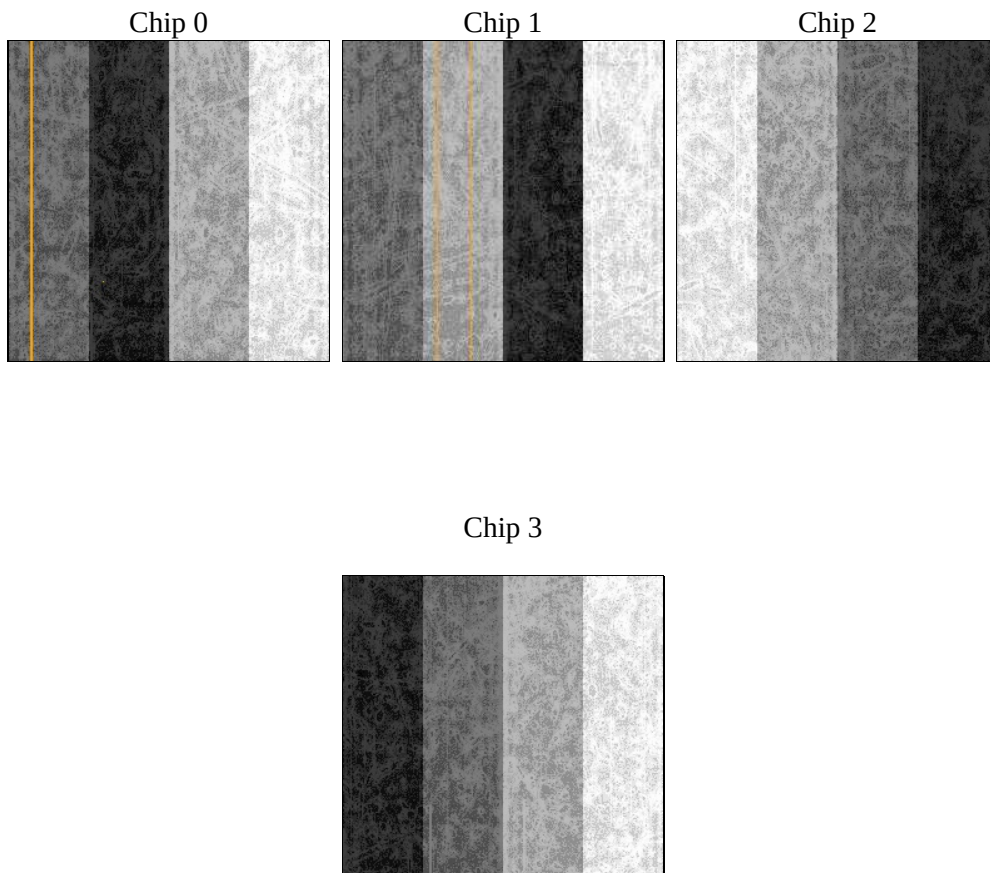
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	27000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.2	Processing system revision	ontime	27077.973826766	Sum of GTIs [s]
caldsver	4.7.3	 	ontime0	27077.850697041	Sum of GTIs [s]
date	2017-01-31T06:05:13	Date and time of file creation	ontime1	27074.750676513	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	27077.932786822	Sum of GTIs [s]
			ontime3	27077.973826766	Sum of GTIs [s]
			l1events	752164	Number of level 1 events

2.1.4 Events

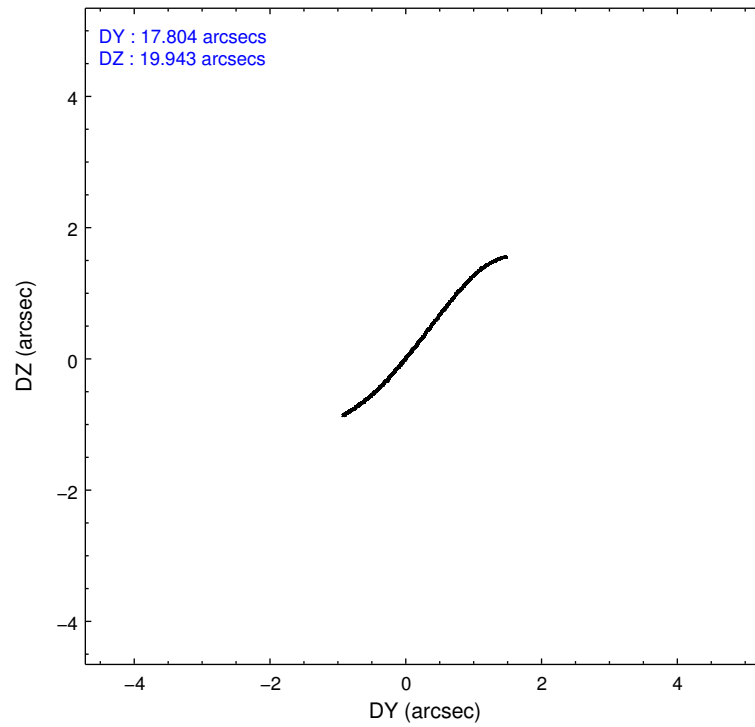
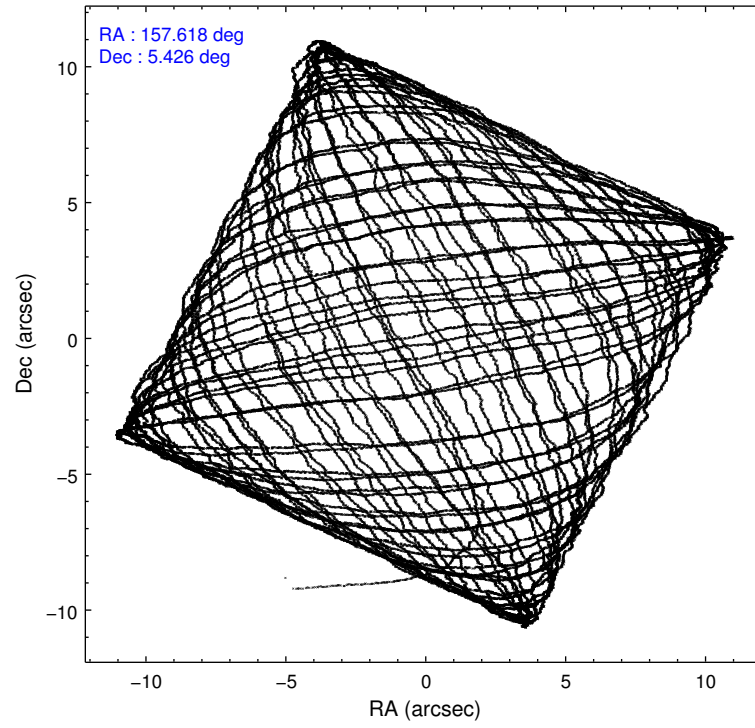
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	187483	177308	199489	187884
rejected events	158671	154500	179666	168806
rejected %	84%	87%	90%	89%

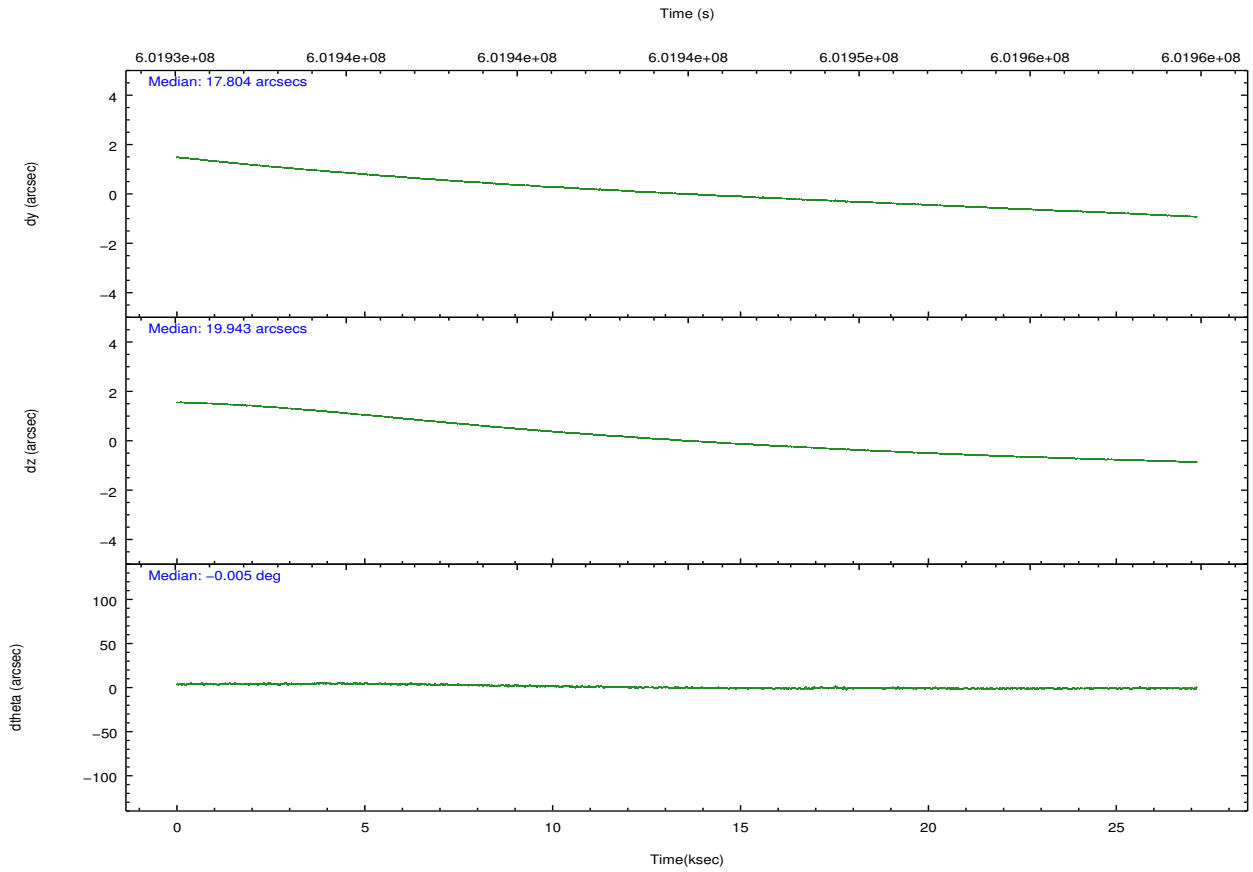
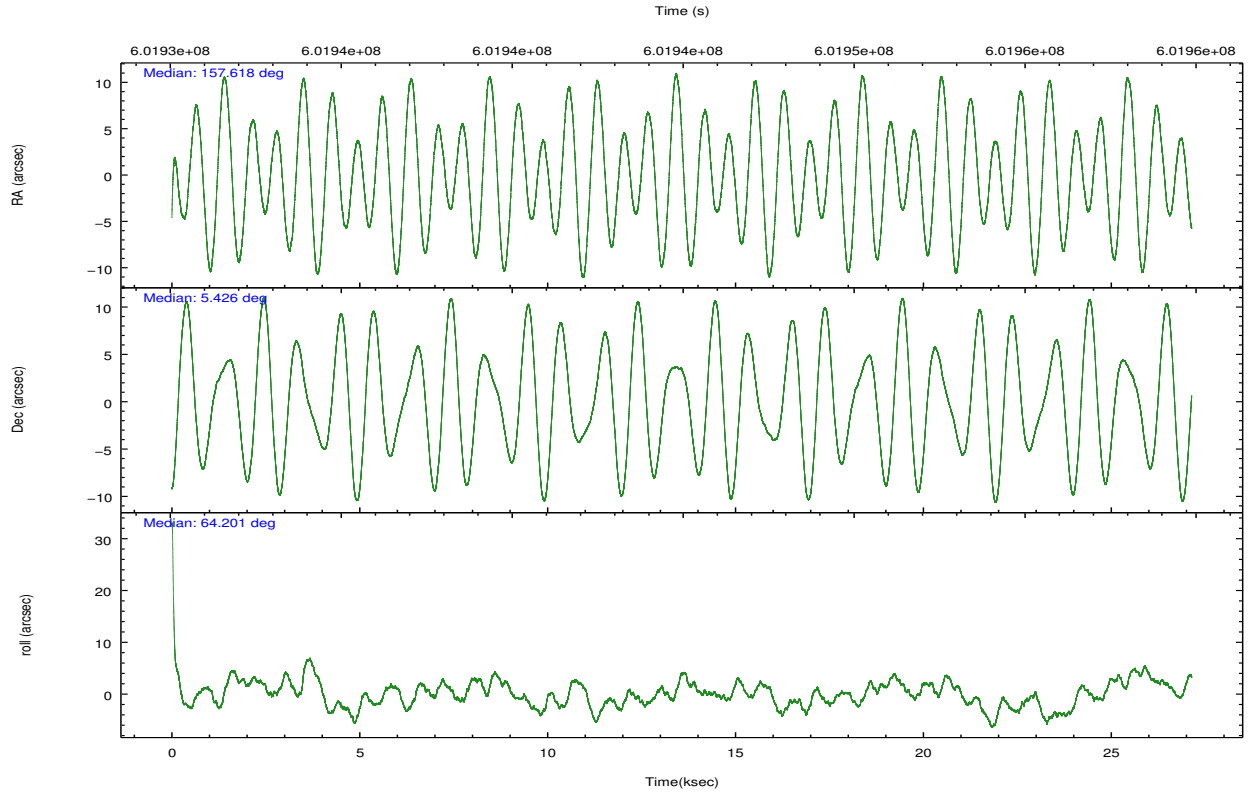
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	15314	7783	7152	6563
	8%	4%	3%	3%
grade 1 events	145	103	93	114
	0%	0%	0%	0%
grade 2 events	5077	5506	4744	4301
	2%	3%	2%	2%
grade 3 events	2182	2177	1977	2024
	1%	1%	0%	1%
grade 4 events	1980	2132	2096	2038
	1%	1%	1%	1%
grade 5 events	7772	8165	7151	8822
	4%	4%	3%	4%
grade 6 events	4260	5211	3856	4153
	2%	2%	1%	2%
grade 7 events	150753	146231	172420	159869
	80%	82%	86%	85%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	157.620266	157.6181262119306	Subarray requested	NONE	NONE
[deg] Pointing Dec	5.398659	5.426168097614257	Alternating exposures requested	N	N
[deg] Pointing Roll	63.999305	64.20820987242402	[s] Primary exposure time	0.000000	3.1
[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)	601931517.184000	601930251.08485			
Observation start date	2017-01-27T19:10:48	2017-01-27T18:50:51			
[s] Observation end time (MET)	601958517.184000	601958889.5865099			
Observation end date	2017-01-28T02:40:48	2017-01-28T02:48:09			
Read mode	TIMED	TIMED			

2.3 Aspect



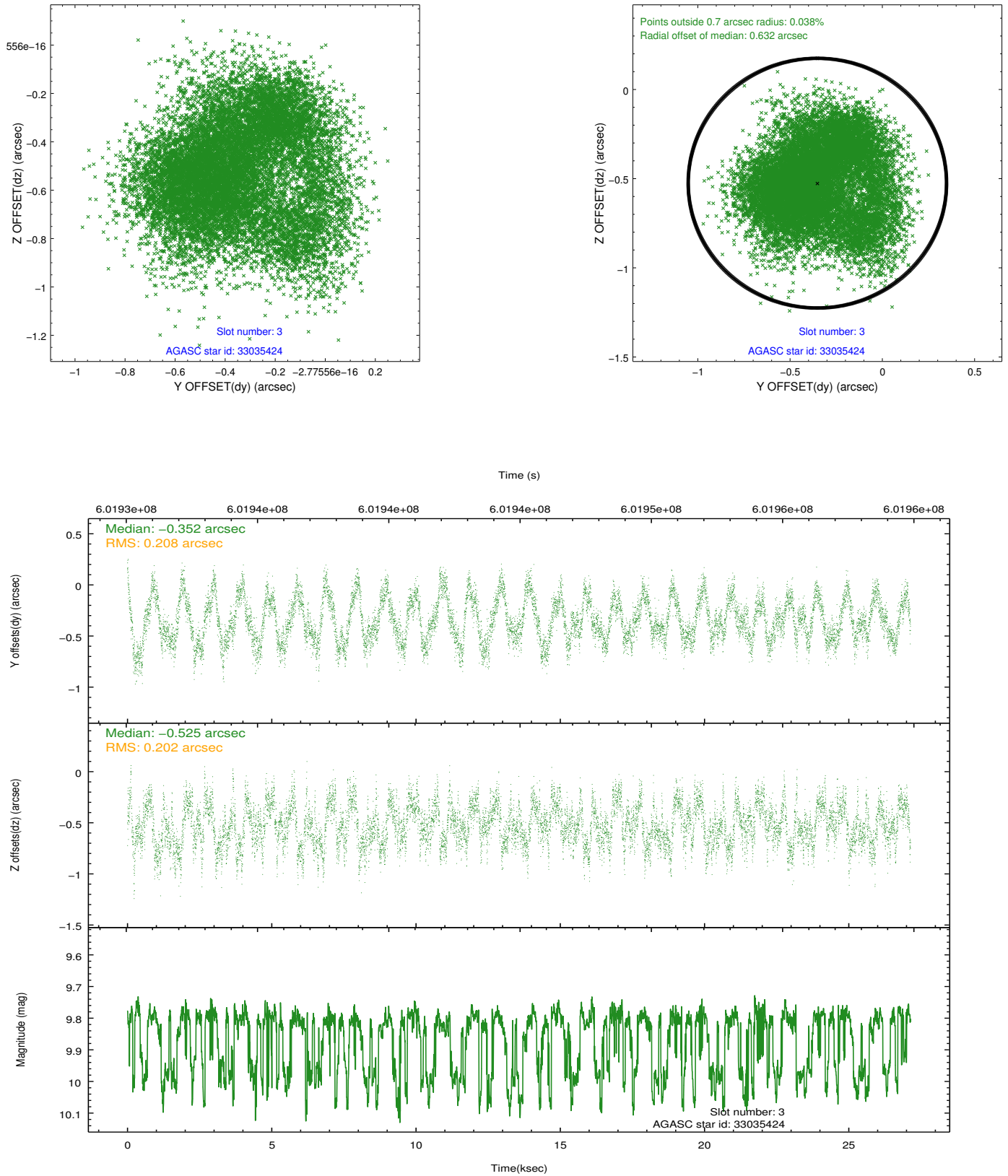


Slot Statistics

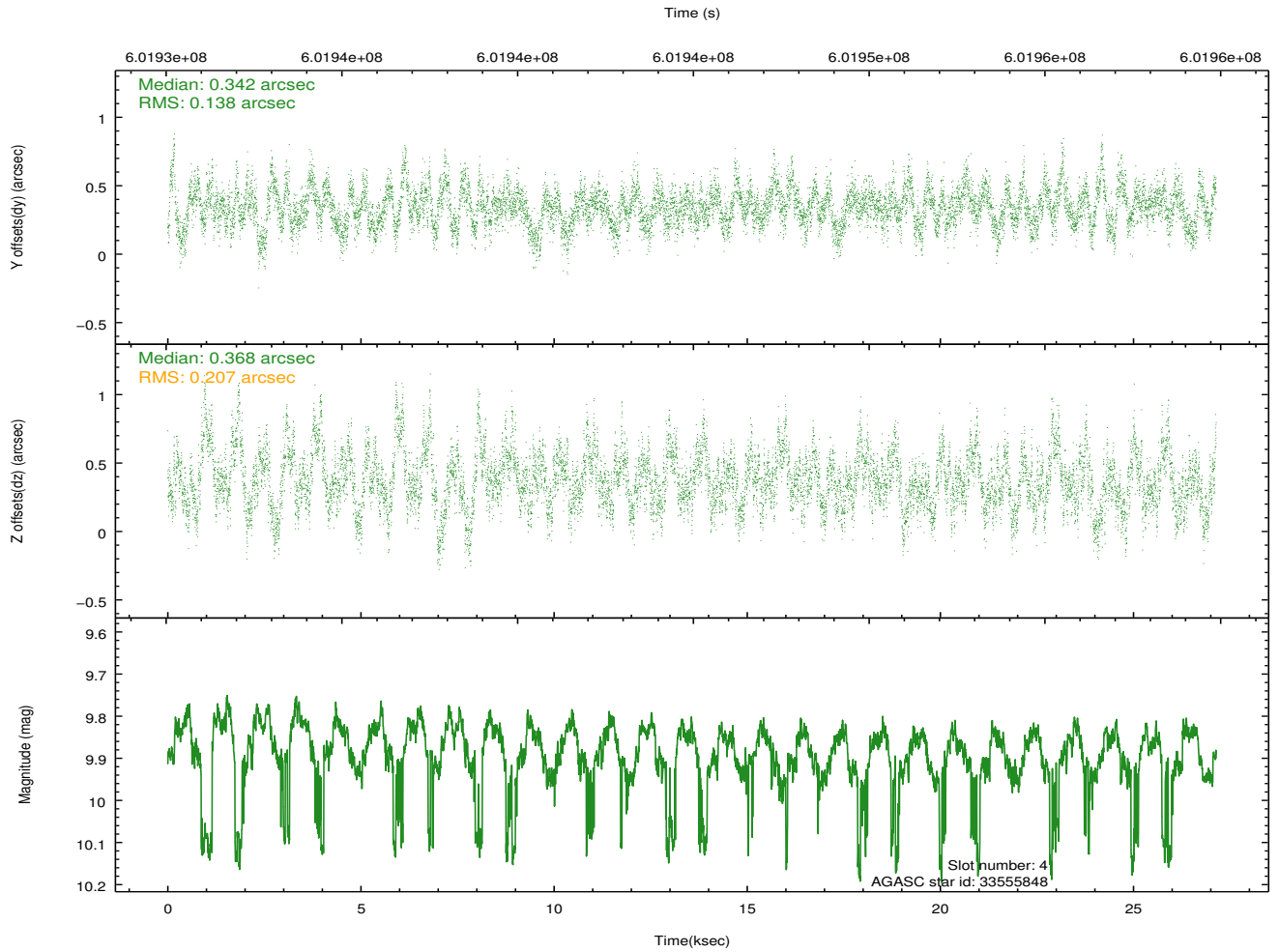
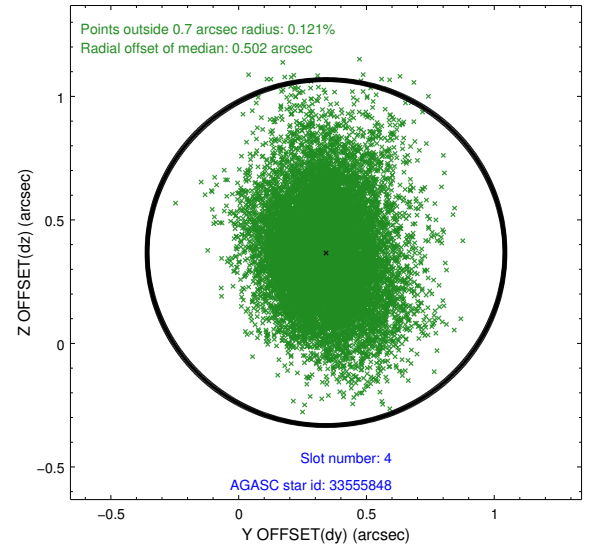
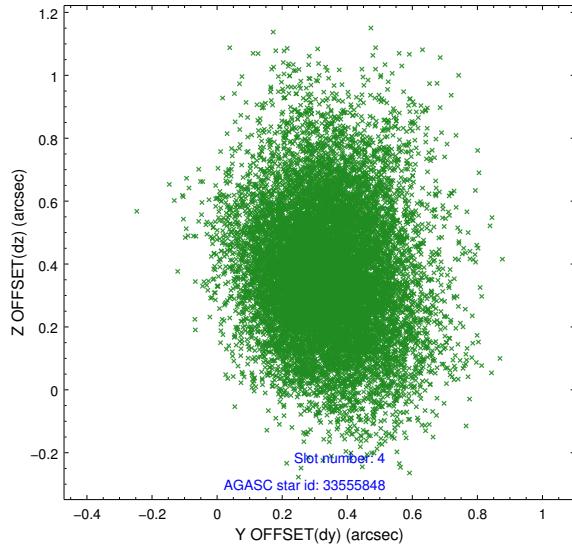
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.24	6620	0.064	-0.038	0.033	0.048	0.000000	0.000000	921.60	-843.83
1	FID		ACIS-I-5	7.23	6619	-0.372	0.021	0.011	0.020	0.000000	0.000000	-1826.99	1053.54
2	FID		ACIS-I-6	7.25	6620	0.216	0.091	0.027	0.038	0.000000	0.000000	387.05	1698.33
3	GUIDE	used	33035424	9.84	13202	-0.352	-0.525	0.320	0.469	157.358260	5.687209	522.07	1298.92
4	GUIDE	used	33555848	9.89	13220	0.342	0.368	0.258	0.446	157.715192	4.895753	-1477.23	-1099.11
5	GUIDE	used	33557464	8.25	13233	0.454	0.099	0.157	0.237	157.961805	4.935650	-960.33	-1830.20
6	GUIDE	used	33949536	9.18	13231	-0.038	0.830	0.164	0.263	158.026617	5.246866	148.18	-1547.62
7	GUIDE	used	33031184	7.00	13235	-0.444	-0.780	0.155	0.234	157.337986	6.256454	2332.28	2261.77

2.4 Star Slots

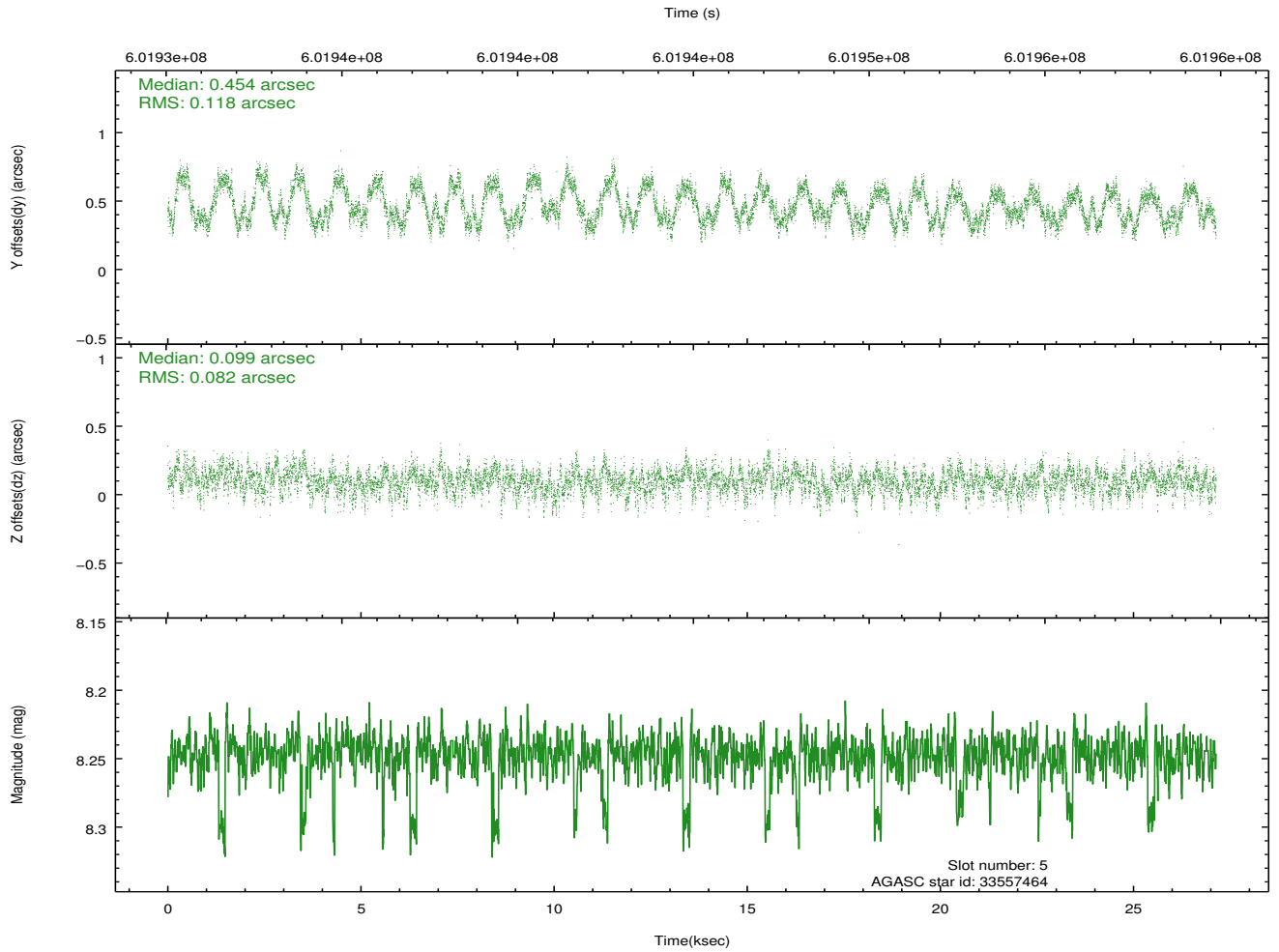
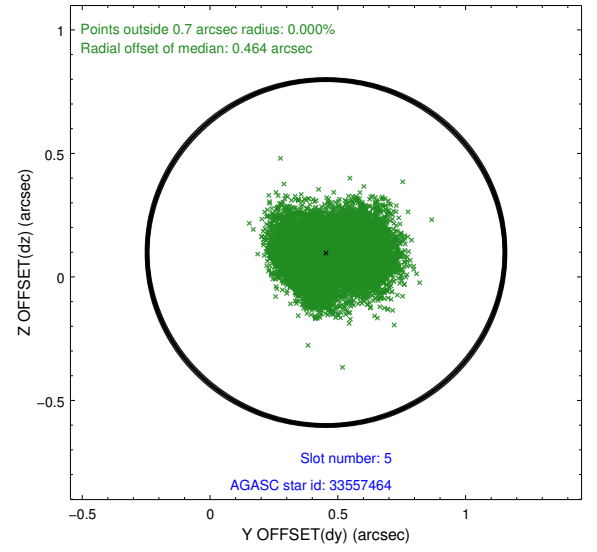
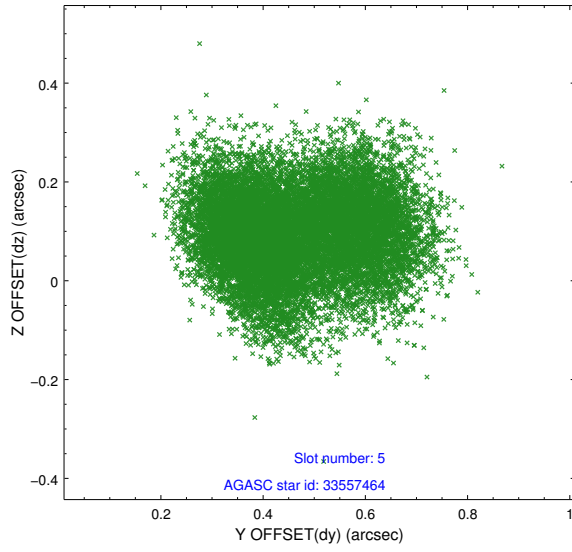
2.4.1 Slot 3



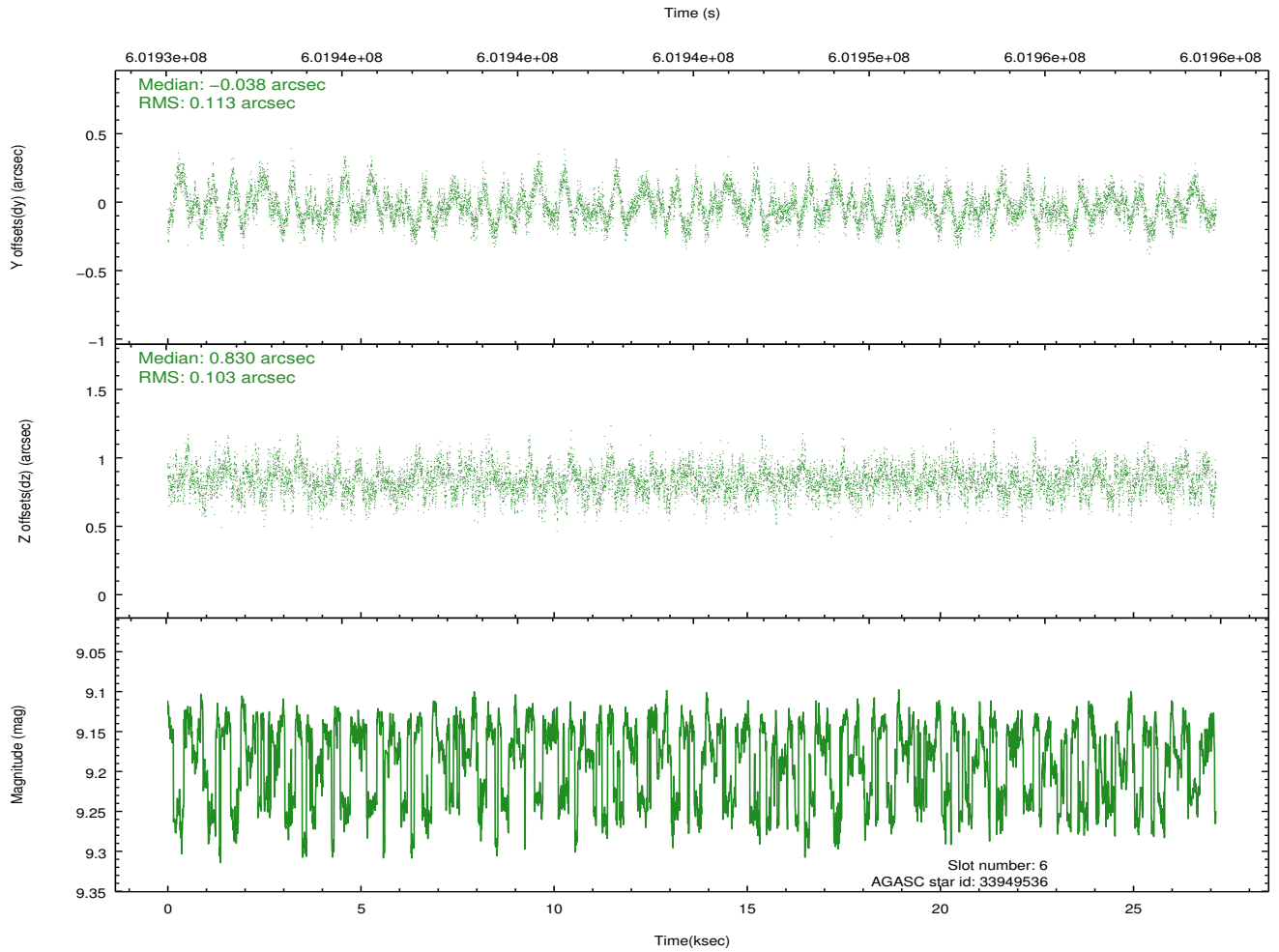
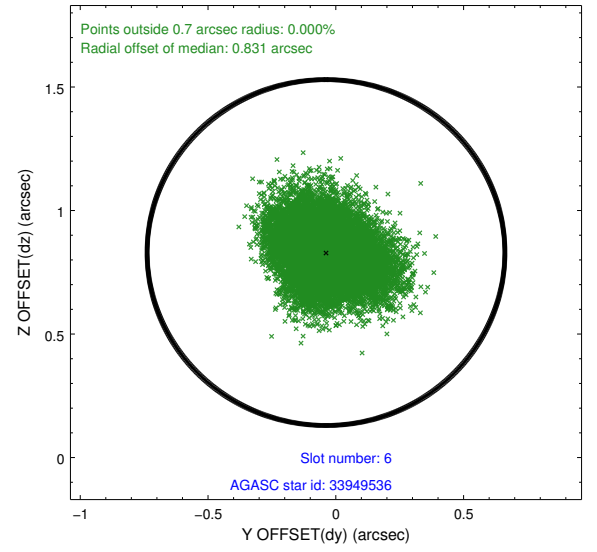
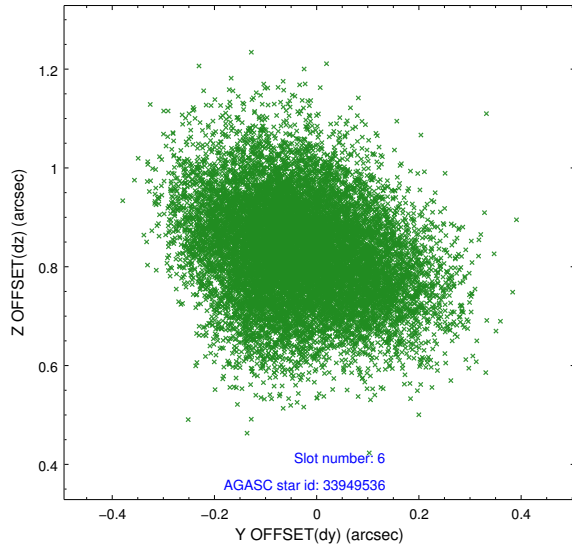
2.4.2 Slot 4



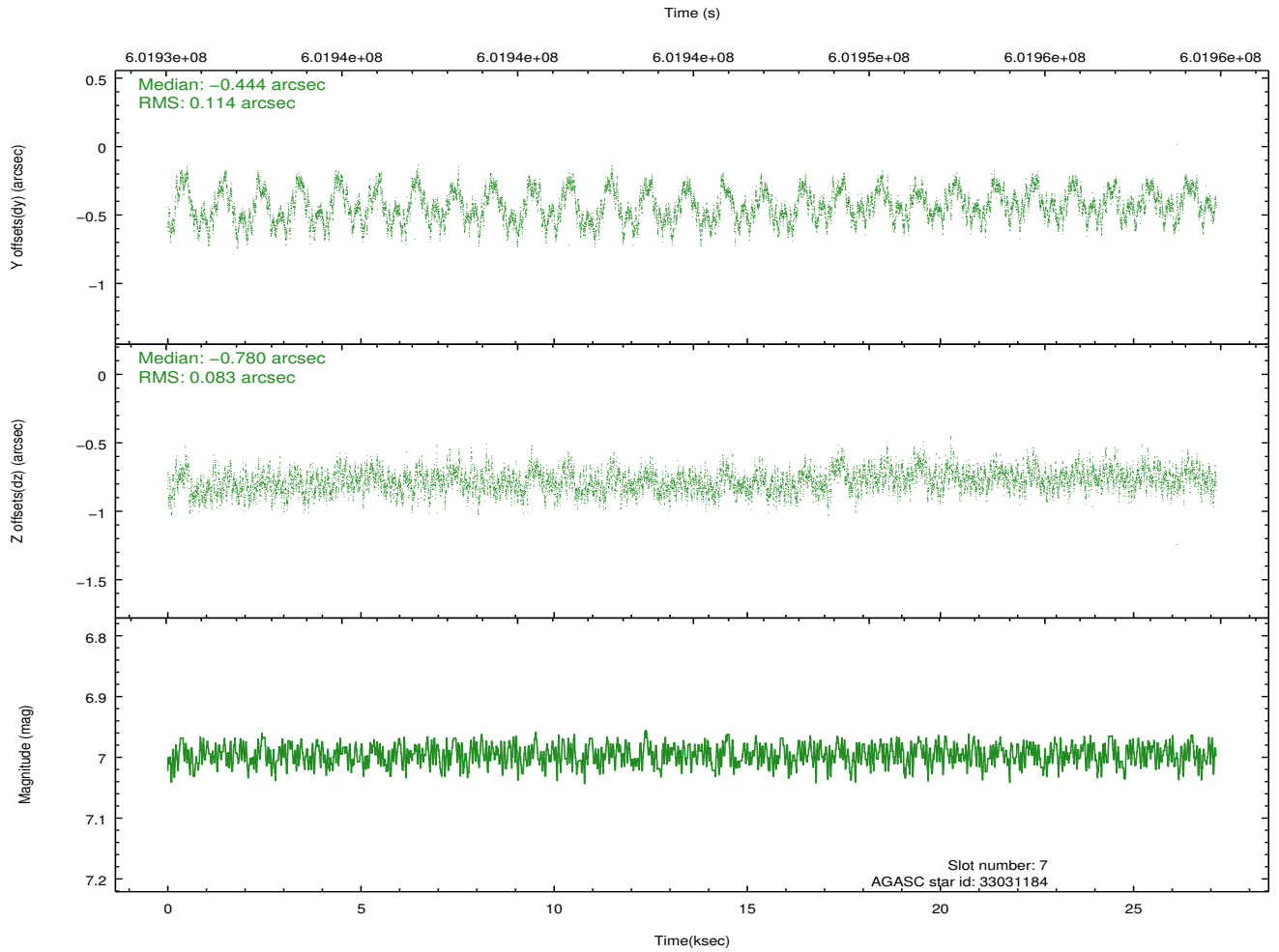
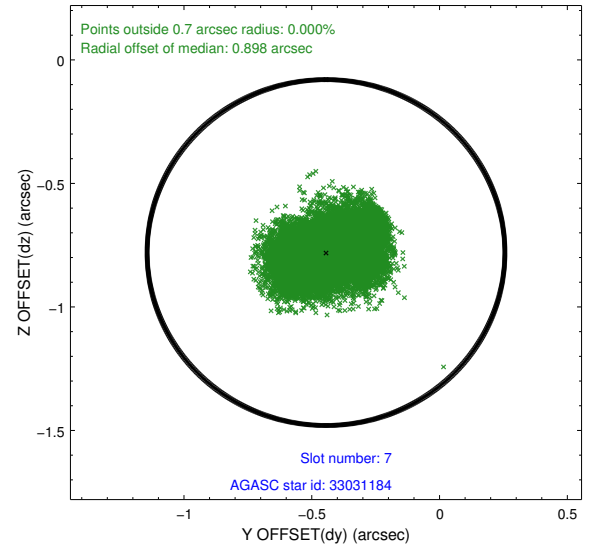
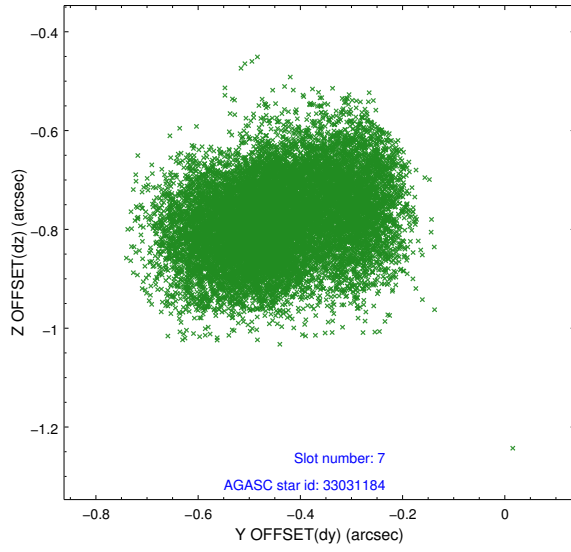
2.4.3 Slot 5



2.4.4 Slot 6

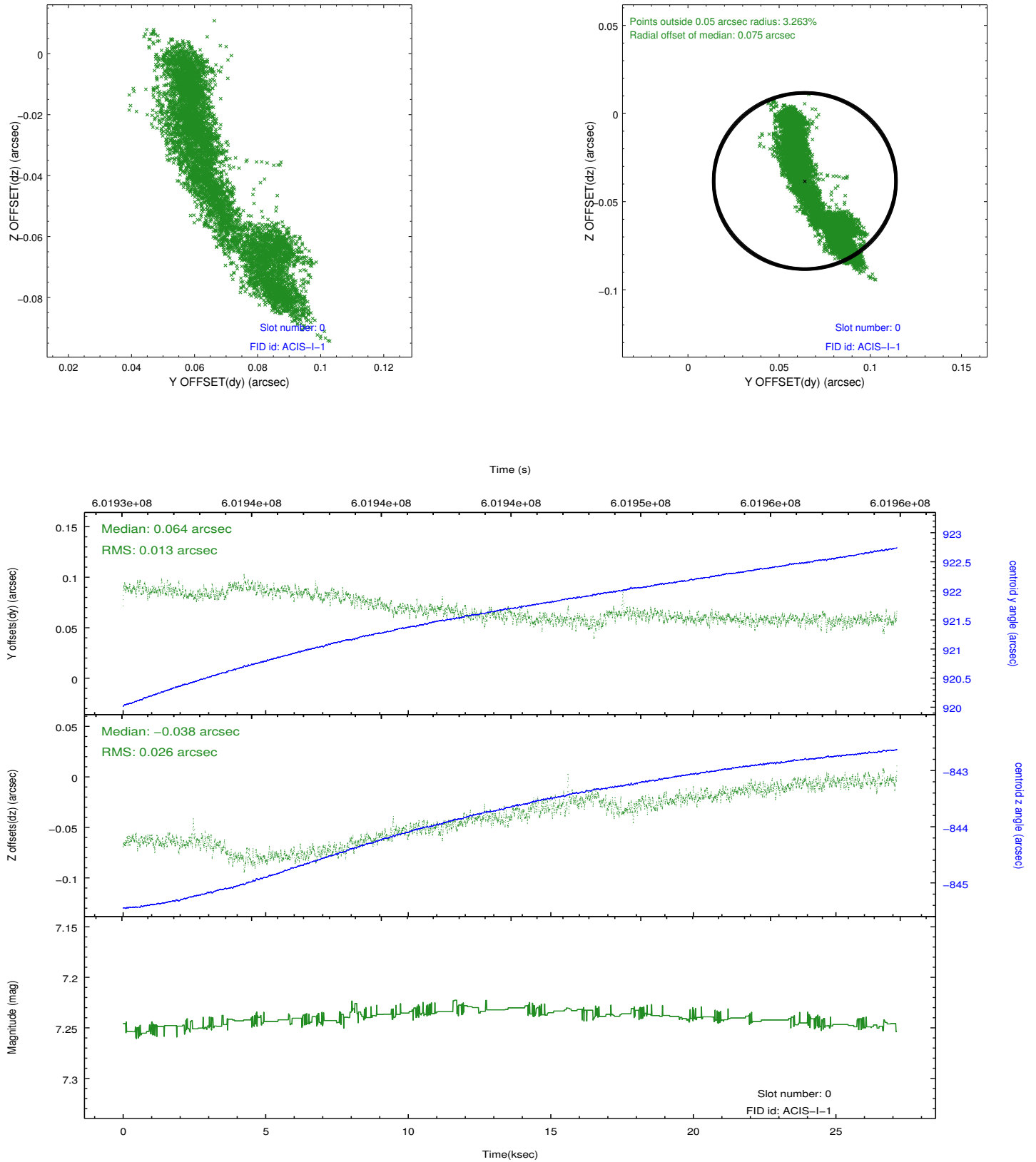


2.4.5 Slot 7

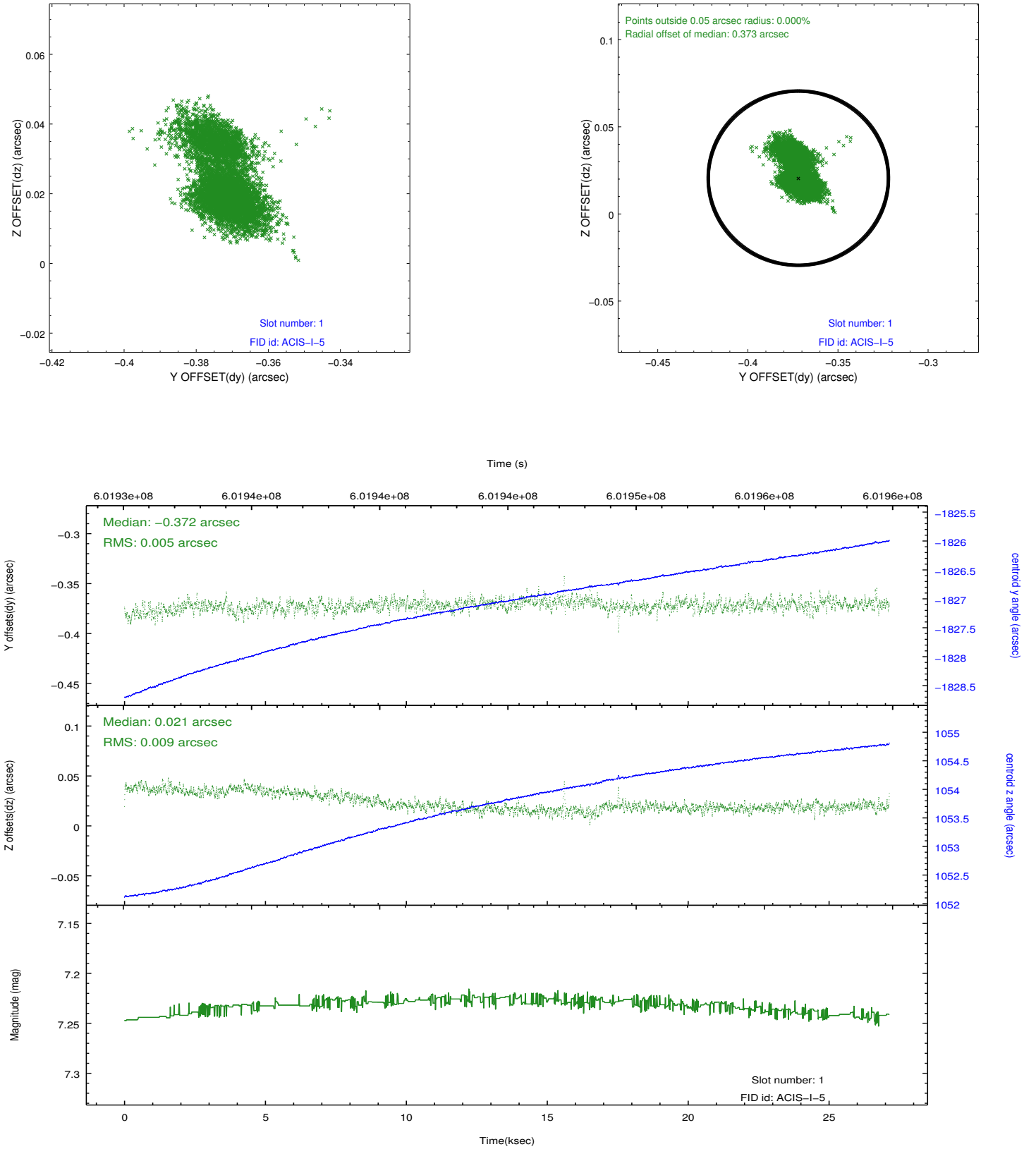


2.5 FID Slots

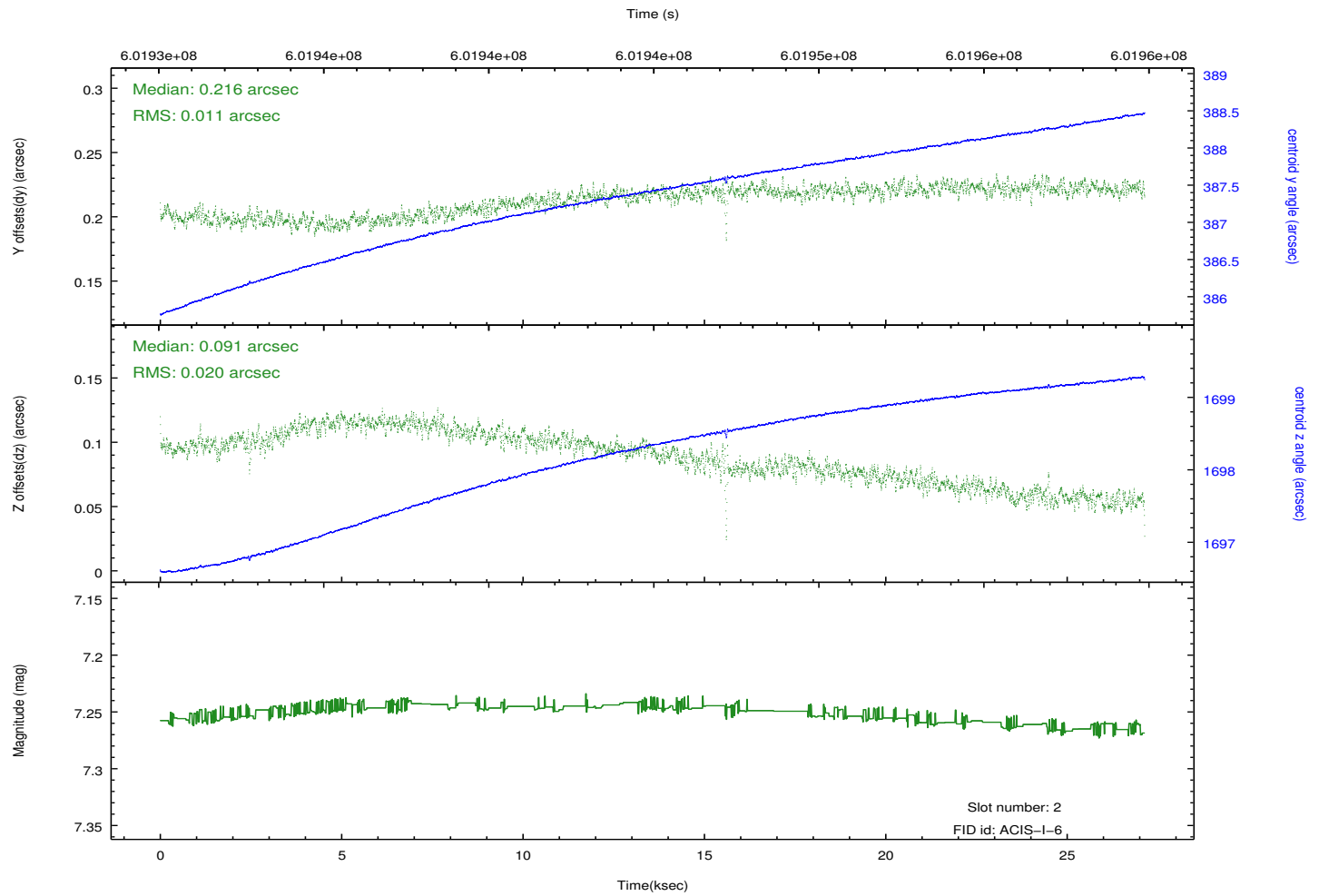
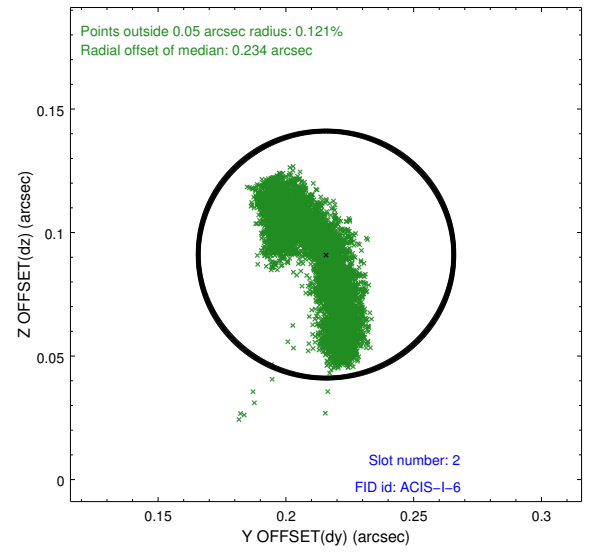
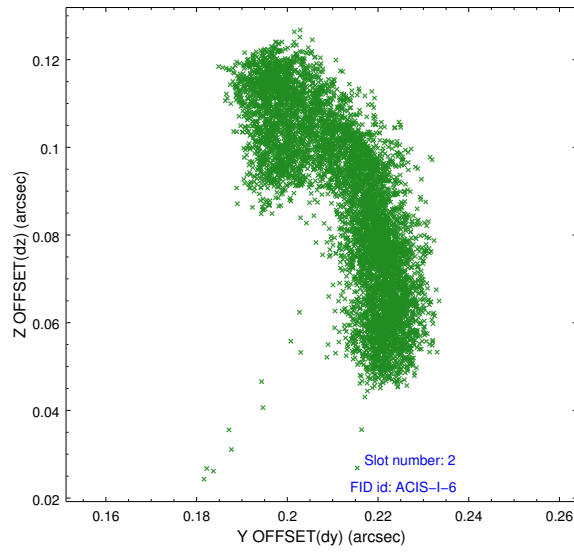
2.5.1 Slot 0



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)	2017.02.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	27.077973826766

A.2 Comments