

V&V Reference Report

L2 ASCDS Version : 10.5.2

Observation 18186 - L2 Version 1
Chandra X-Ray Center

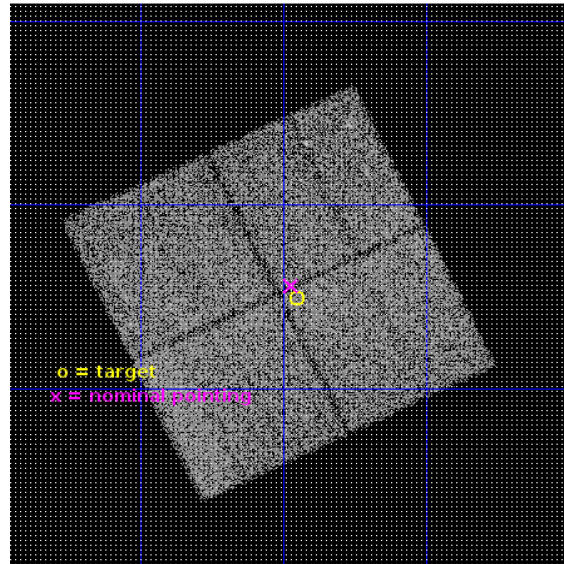
L2 Processing Date : Jan 30 2017

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1 Front

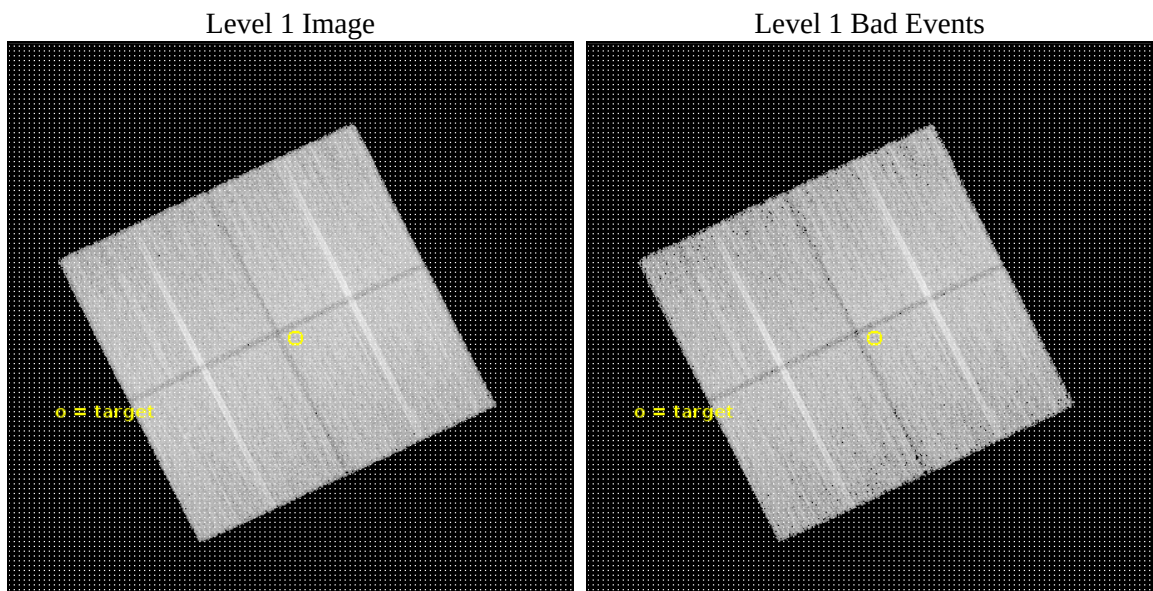
seq_num	703249	Sequence number
obs_id	18186	Observation id
title	QSOs at z=6: Black Hole Growth and Feedback in the Early Universe	
observer	Dr Roberto Gilli	Principal investigator
object	SDSSJ1030+0524	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	157.612917	Observer's specified target RA [deg]
dec_targ	5.415278	Observer's specified target Dec [deg]
ra_nom	157.61812189772	Nominal RA [deg]
dec_nom	5.4264634388816	Nominal Dec [deg]
roll_nom	64.208213656667	Nominal Roll [deg]
revision	1	Processing version of data
ontime	35076.50026989	Sum of GTIs [s]
livetime	34618.19997092	Livetime [s]
ontime0	35073.359209657	Sum of GTIs [s]
ontime1	35076.50026989	Sum of GTIs [s]
ontime2	35070.218139529	Sum of GTIs [s]
ontime3	35076.50026989	Sum of GTIs [s]
l2events	89940	Number of level 2 events



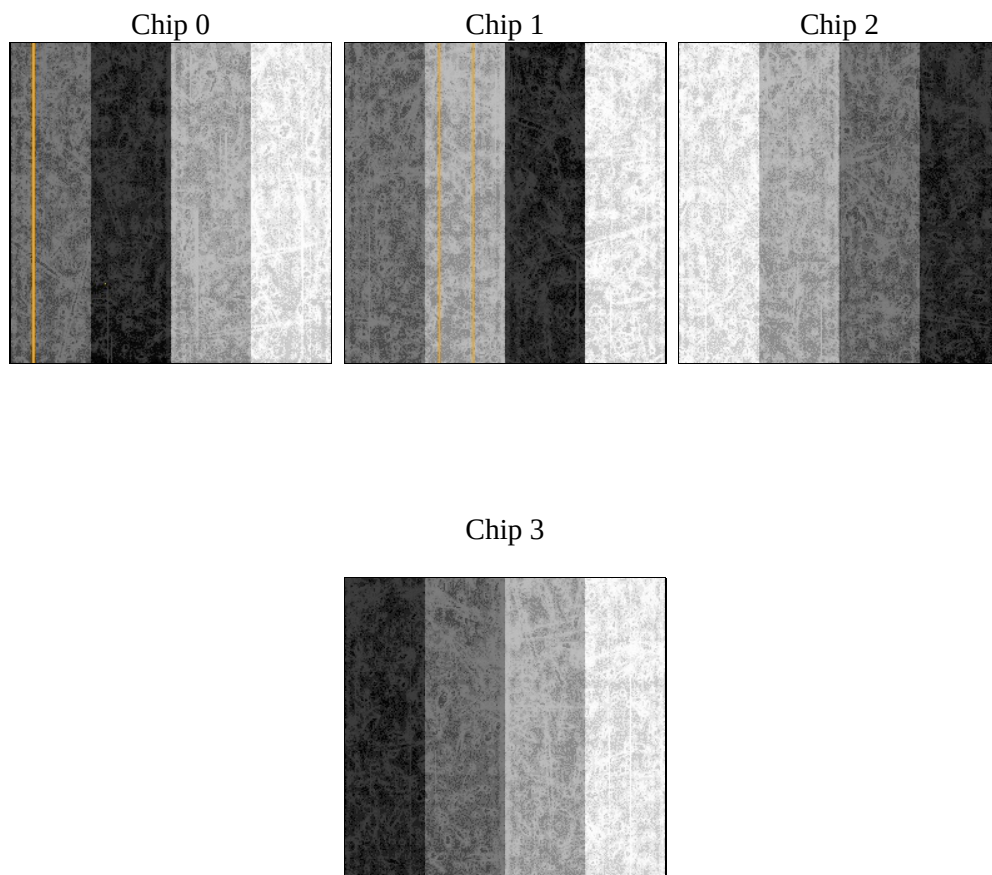
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	35000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.2	Processing system revision	ontime	35076.50026989	Sum of GTIs [s]
caldsver	4.7.3	 	ontime0	35073.359209657	Sum of GTIs [s]
date	2017-01-31T00:11:24	Date and time of file creation	ontime1	35076.50026989	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	35070.218139529	Sum of GTIs [s]
			ontime3	35076.50026989	Sum of GTIs [s]
			l1events	973153	Number of level 1 events

2.1.4 Events

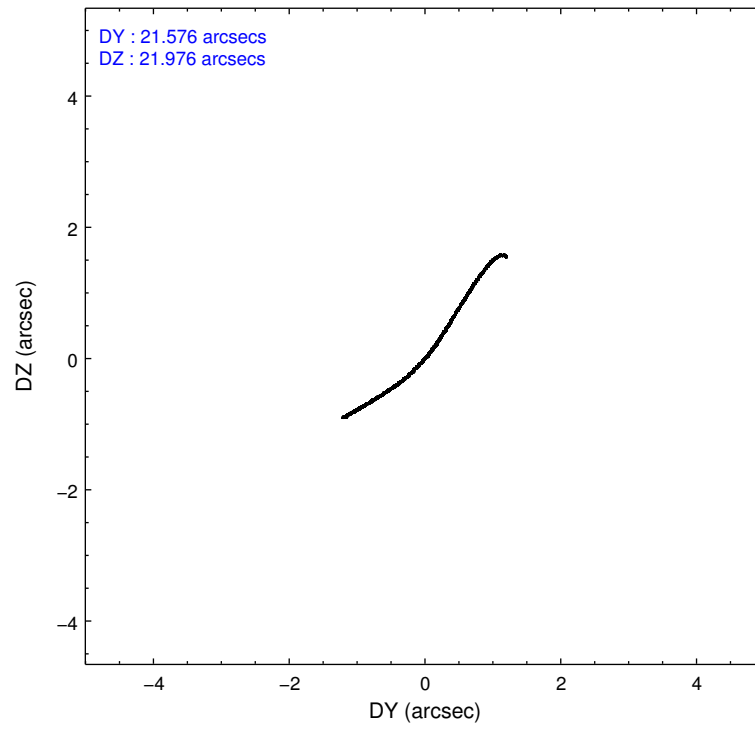
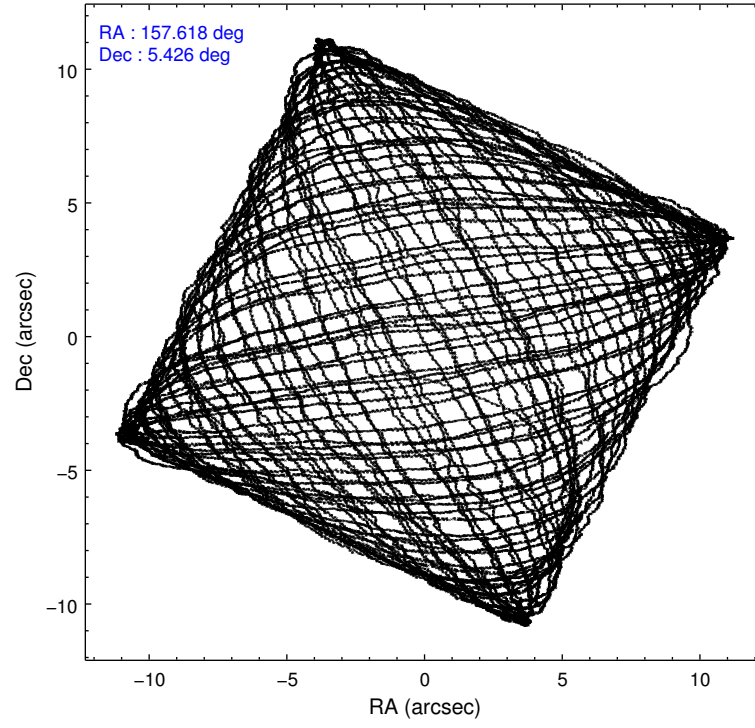
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	230886	236578	258891	246798
rejected events	203903	206818	232929	221664
rejected %	88%	87%	89%	89%

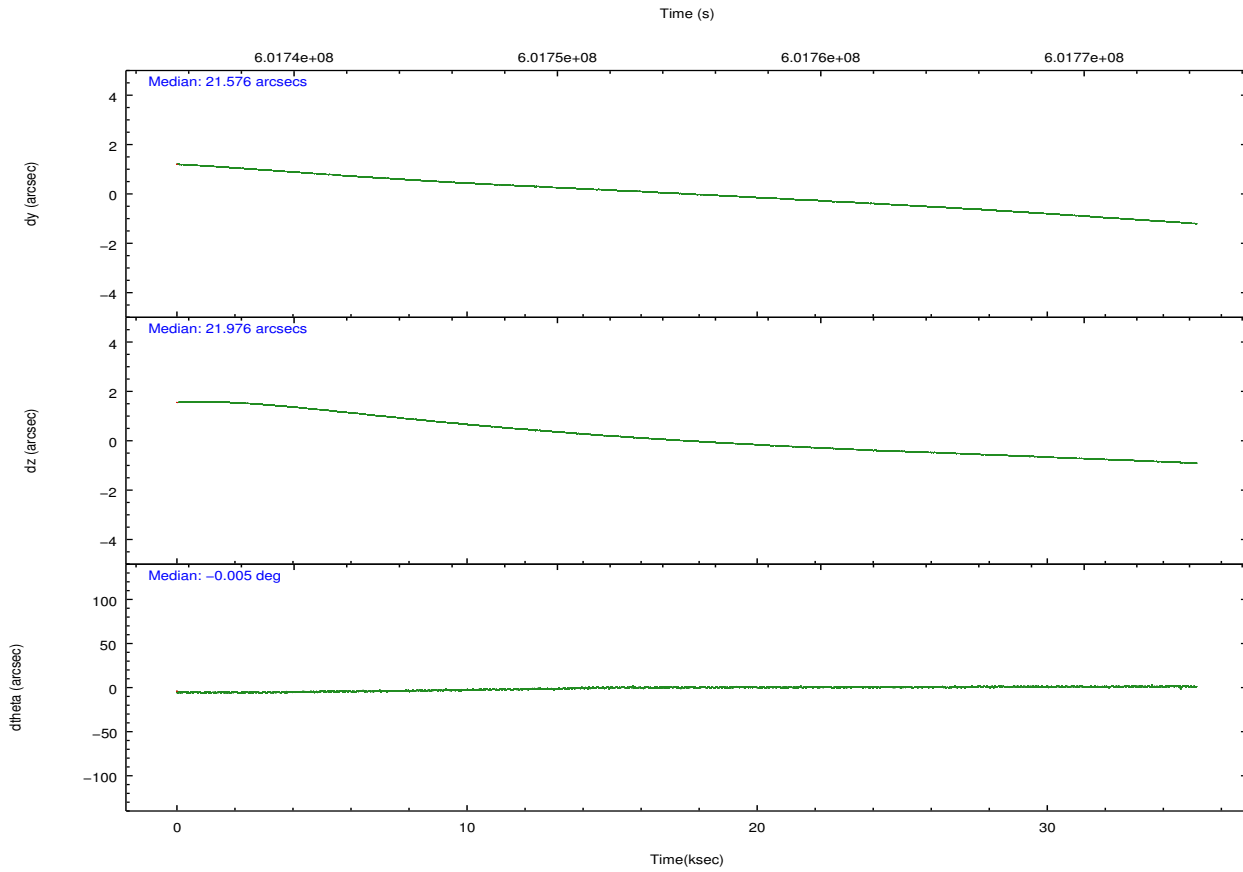
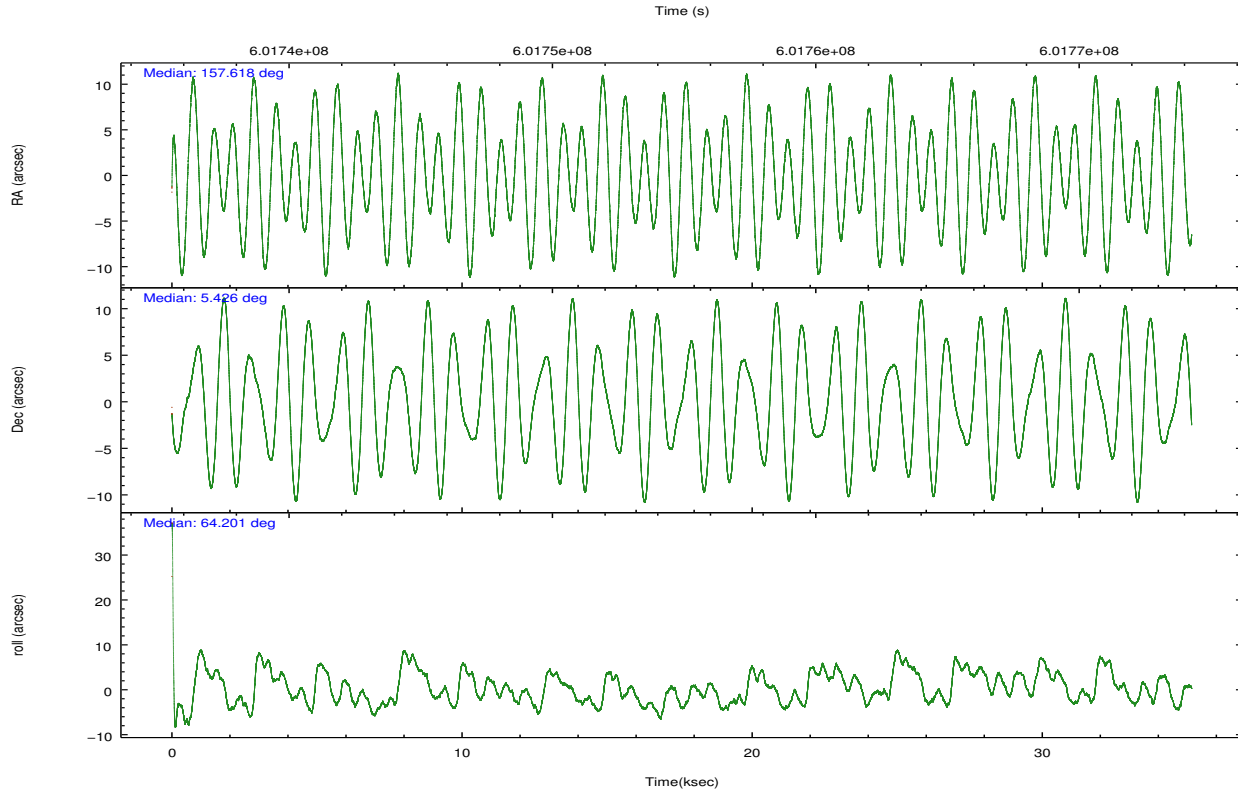
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	9214	9869	9175	8619
	3%	4%	3%	3%
grade 1 events	134	108	118	128
	0%	0%	0%	0%
grade 2 events	6706	7399	6273	5635
	2%	3%	2%	2%
grade 3 events	2861	2788	2602	2678
	1%	1%	1%	1%
grade 4 events	2622	2797	2651	2814
	1%	1%	1%	1%
grade 5 events	10168	10697	9503	11816
	4%	4%	3%	4%
grade 6 events	5584	6912	5263	5392
	2%	2%	2%	2%
grade 7 events	193597	196008	223306	209716
	83%	82%	86%	84%

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	157.620270	157.618121897719	Subarray requested	NONE	NONE
[deg] Pointing Dec	5.398938	5.426463438881584	Alternating exposures requested	N	N
[deg] Pointing Roll	63.999308	64.20821365666677	[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)	601737487.184000	601736225.23611			
Observation start date	2017-01-25T13:16:58	2017-01-25T12:57:05			
[s] Observation end time (MET)	601772487.184000	601773210.31326			
Observation end date	2017-01-25T23:00:18	2017-01-25T23:13:30			
Read mode	TIMED	TIMED			

2.3 Aspect



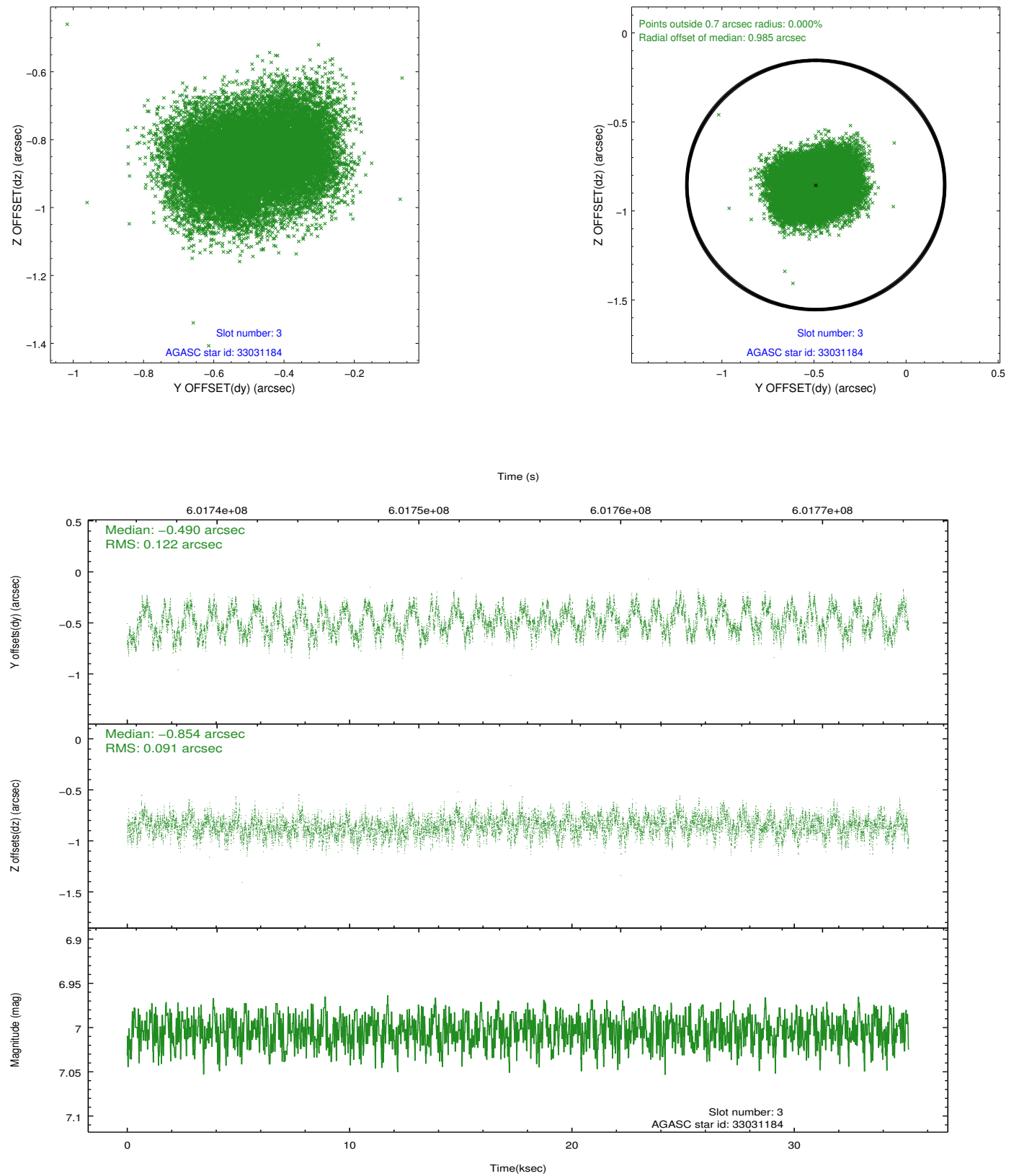


Slot Statistics

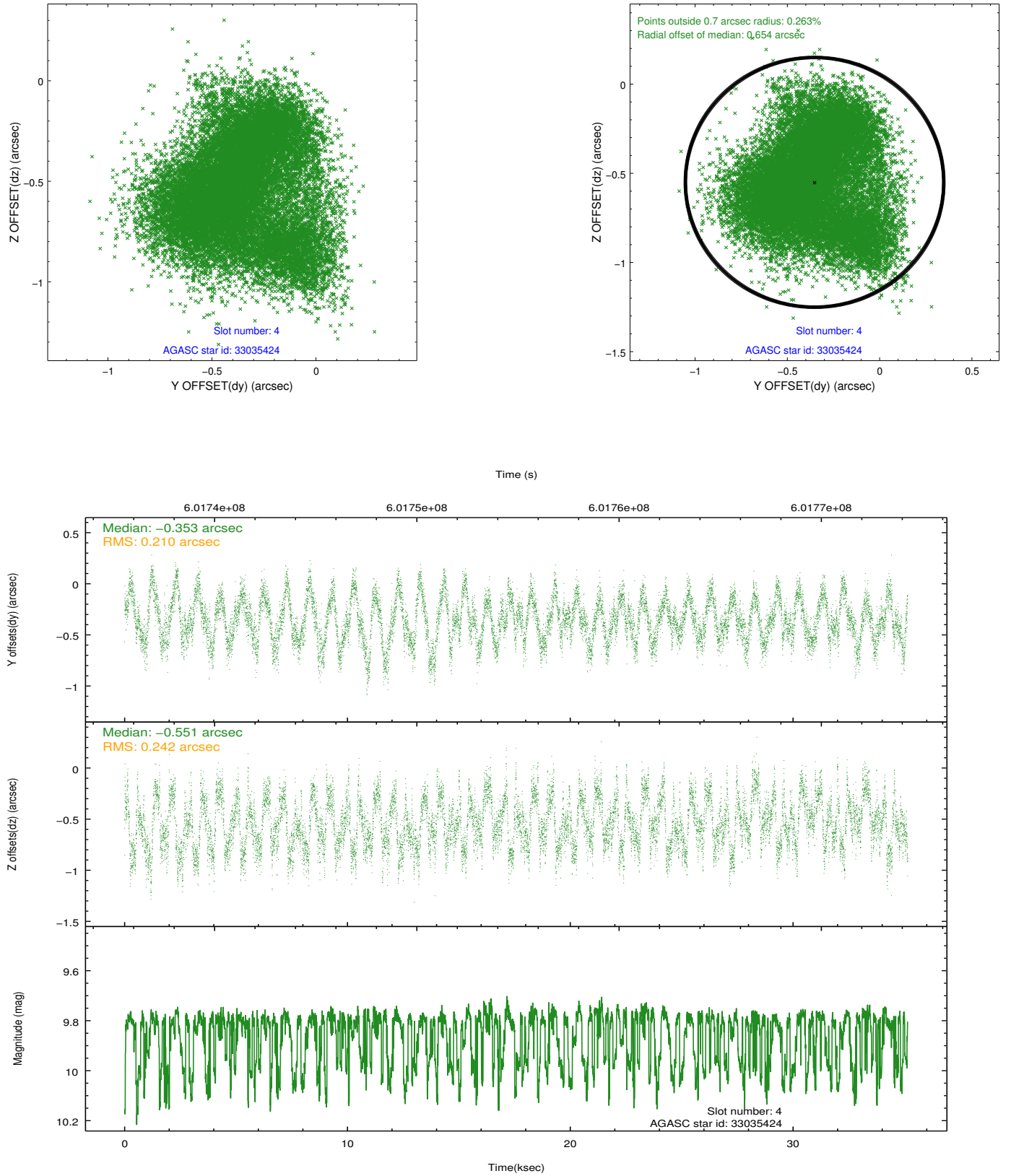
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.25	8573	0.098	-0.057	0.044	0.068	0.000000	0.000000	917.85	-845.92
1	FID		ACIS-I-5	7.24	8574	-0.417	0.040	0.012	0.018	0.000000	0.000000	-1830.86	1051.47
2	FID		ACIS-I-6	7.26	8574	0.227	0.079	0.036	0.050	0.000000	0.000000	383.34	1696.18
3	GUIDE	used	33031184	7.00	17142	-0.490	-0.854	0.168	0.249	157.337986	6.256454	2331.31	2261.33
4	GUIDE	used	33035424	9.83	17090	-0.353	-0.551	0.353	0.518	157.358260	5.687209	521.30	1298.58
5	GUIDE	used	33555848	9.86	17108	0.333	0.343	0.338	0.520	157.715192	4.895753	-1478.19	-1099.60
6	GUIDE	used	33557464	8.26	17139	0.518	0.196	0.160	0.238	157.961805	4.935650	-961.19	-1830.53
7	GUIDE	used	33949536	9.18	17127	-0.026	0.855	0.205	0.326	158.026617	5.246866	147.29	-1548.02

2.4 Star Slots

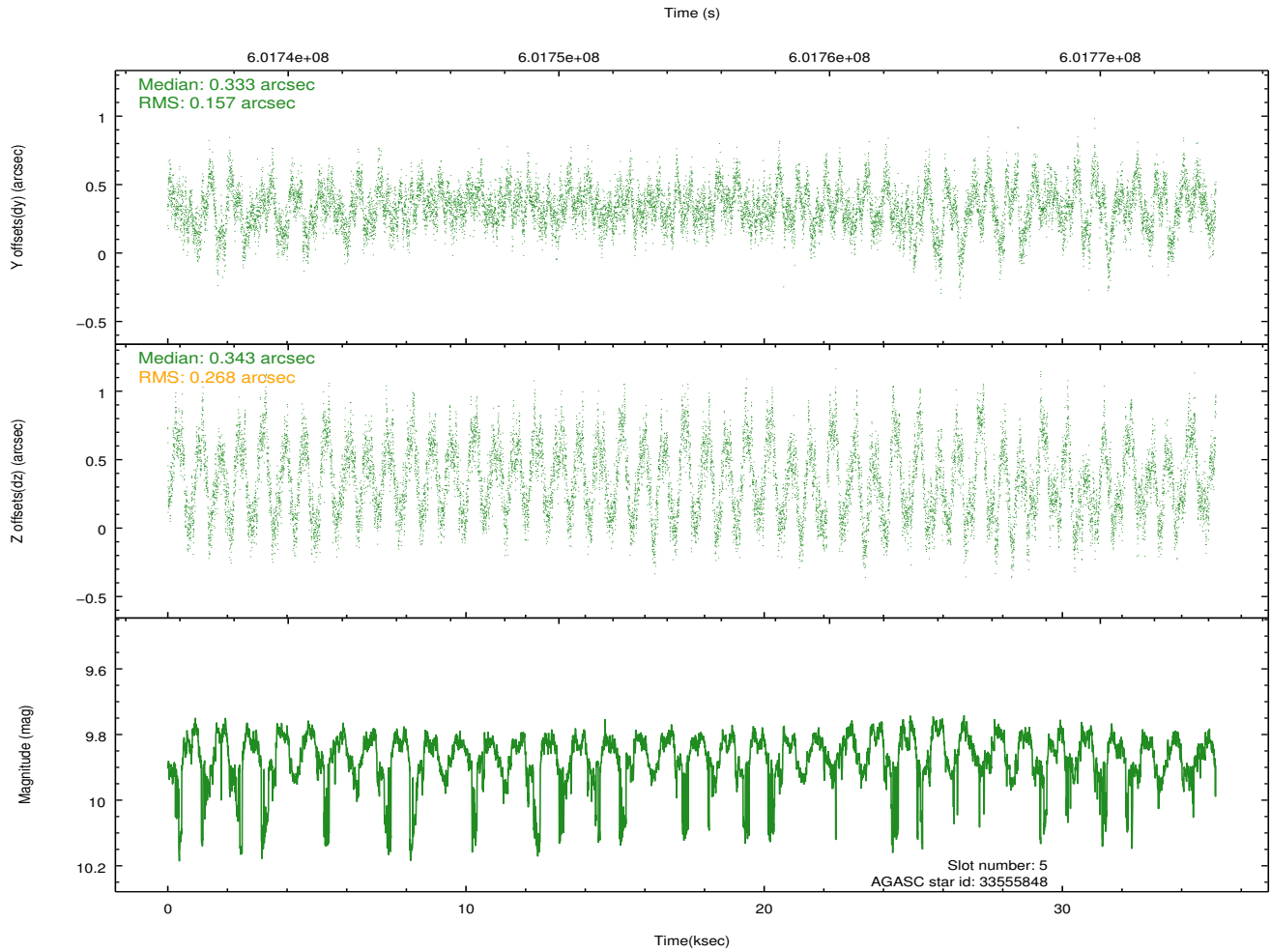
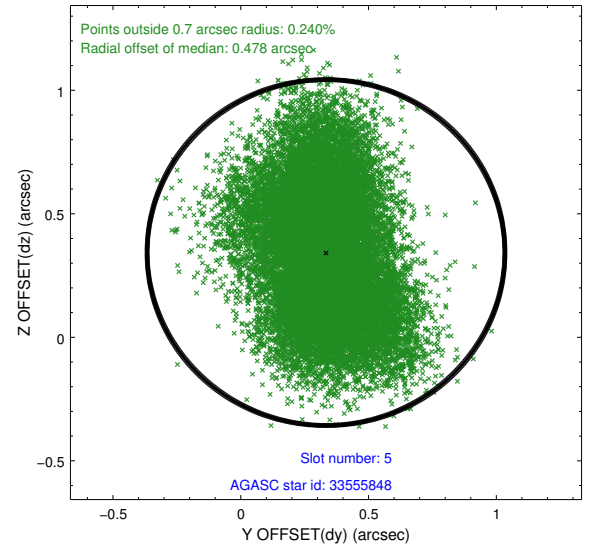
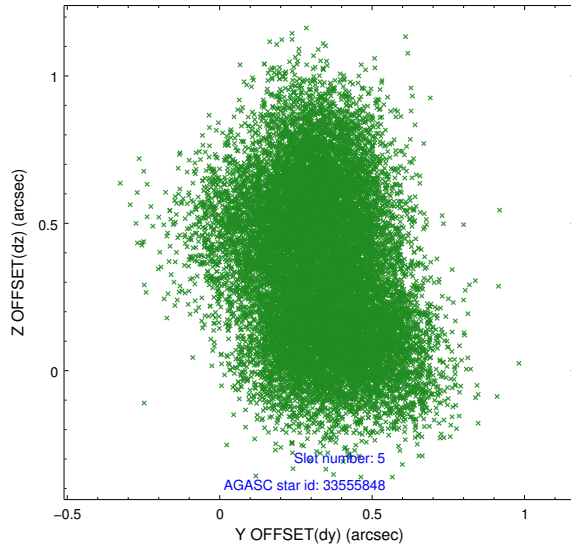
2.4.1 Slot 3



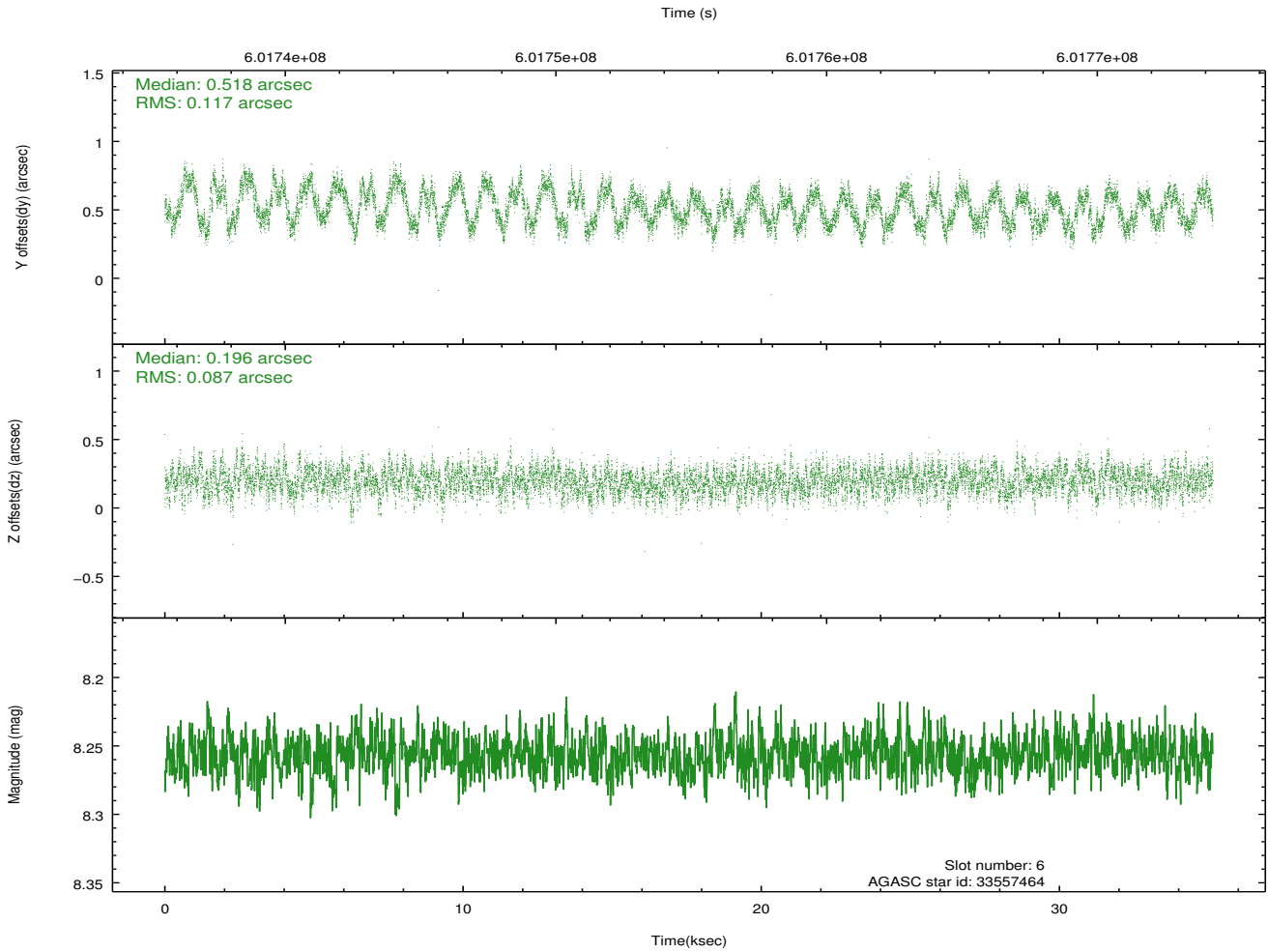
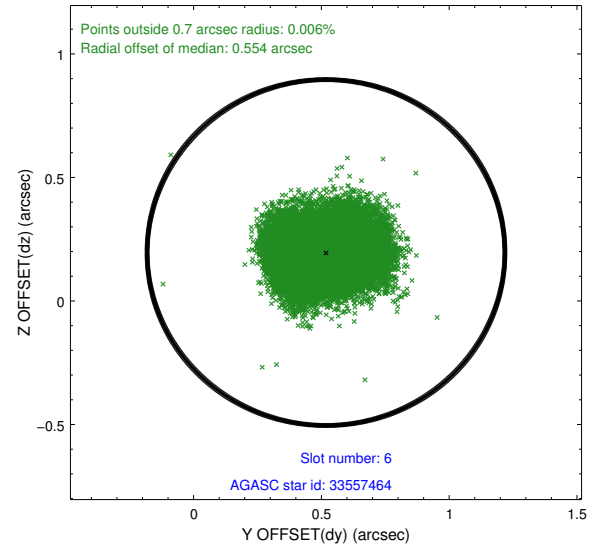
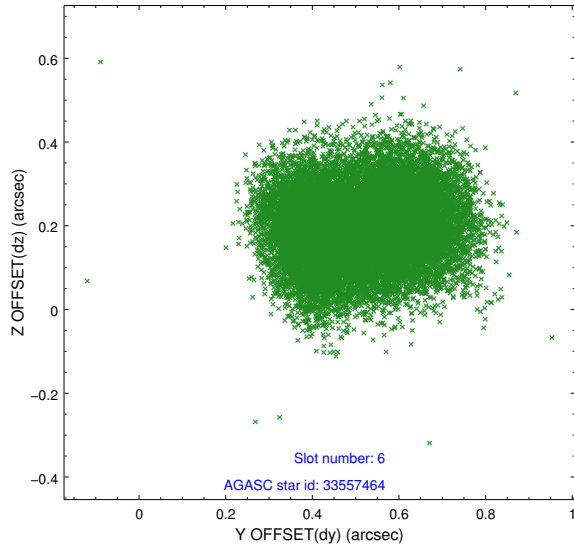
2.4.2 Slot 4



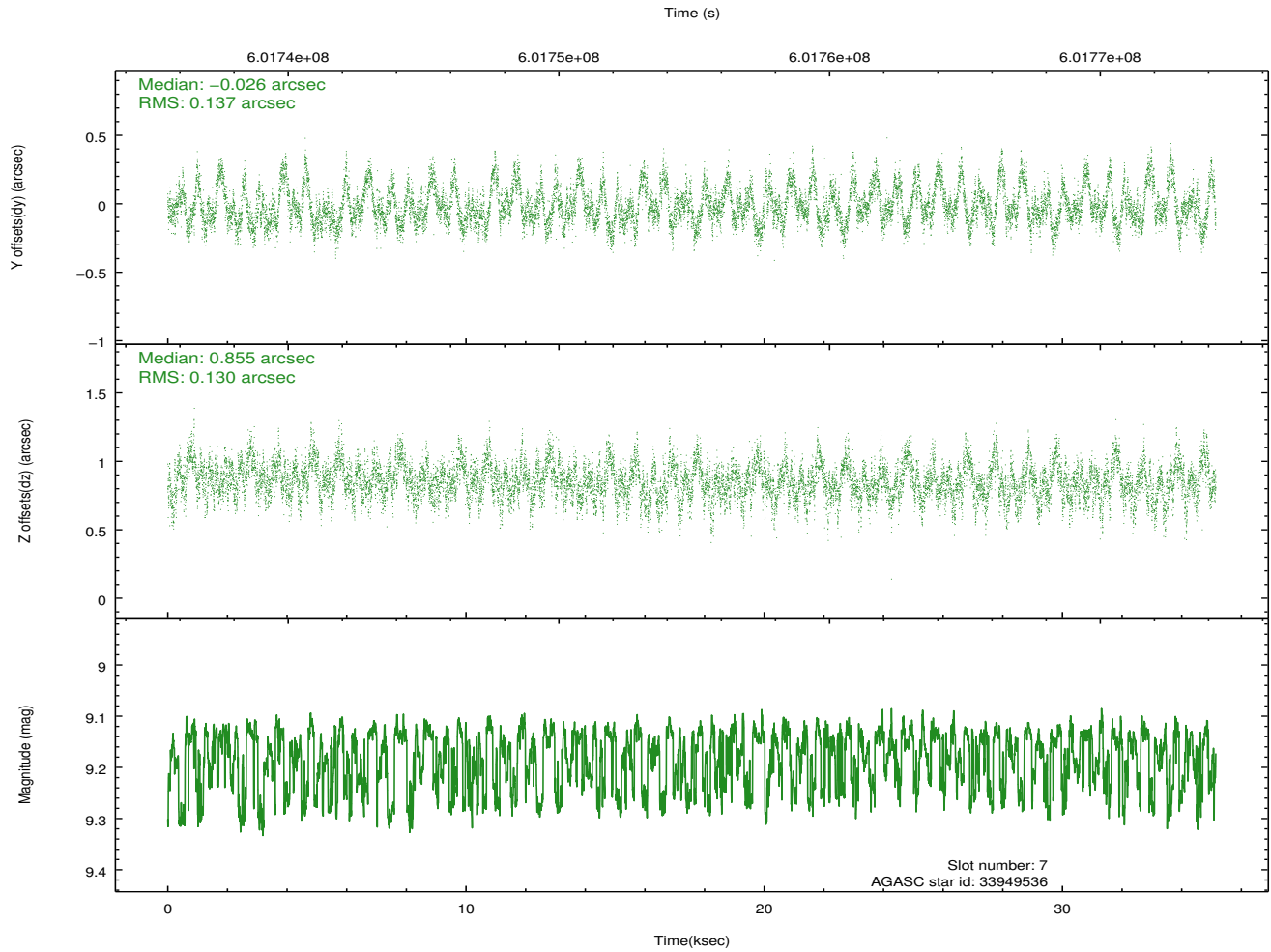
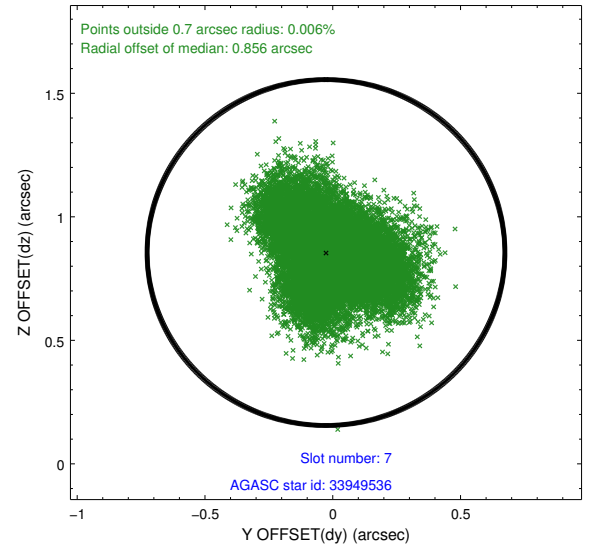
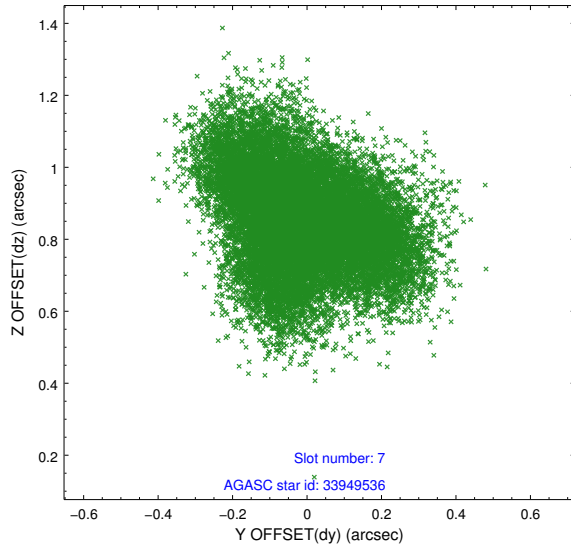
2.4.3 Slot 5



2.4.4 Slot 6

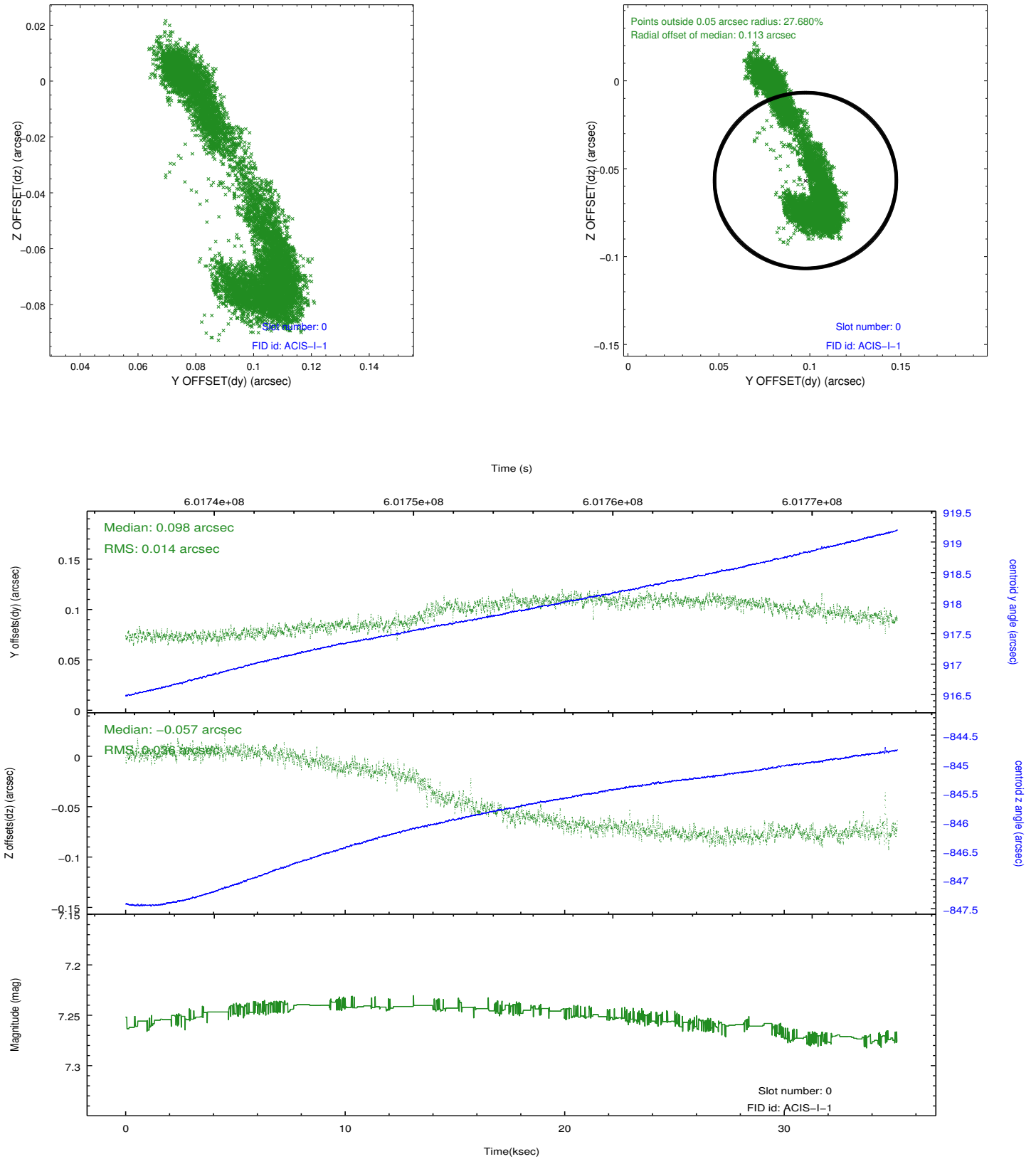


2.4.5 Slot 7

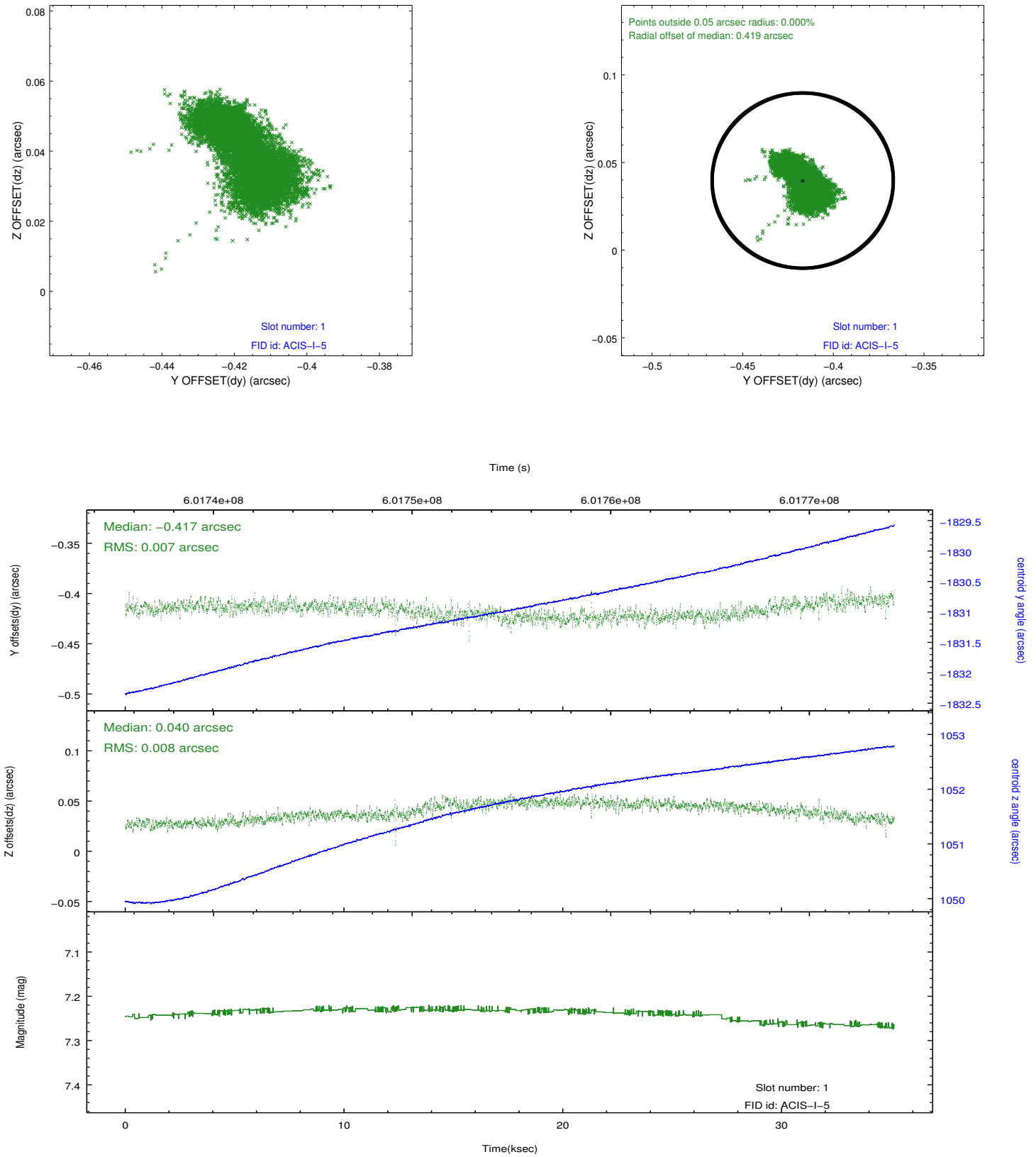


2.5 FID Slots

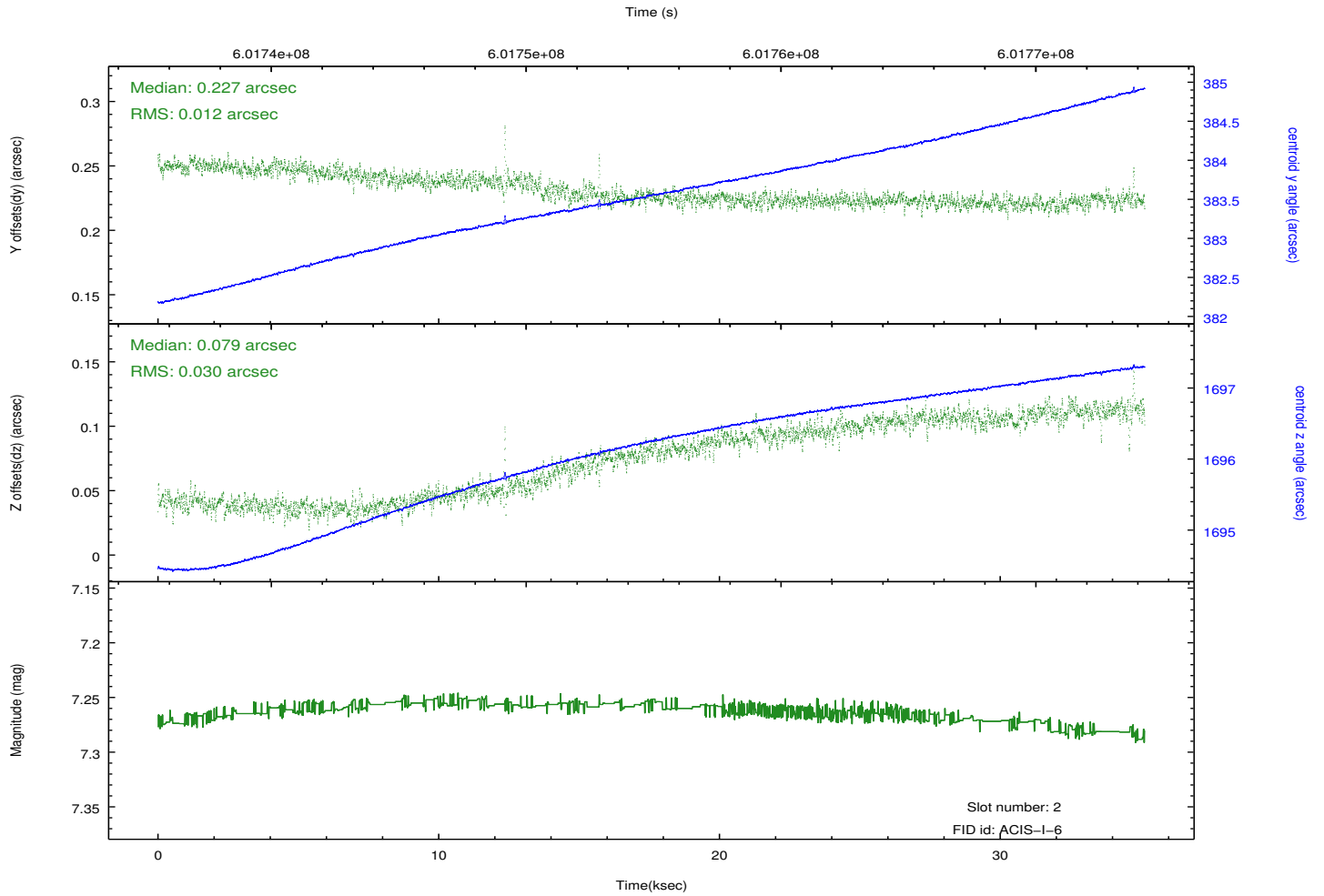
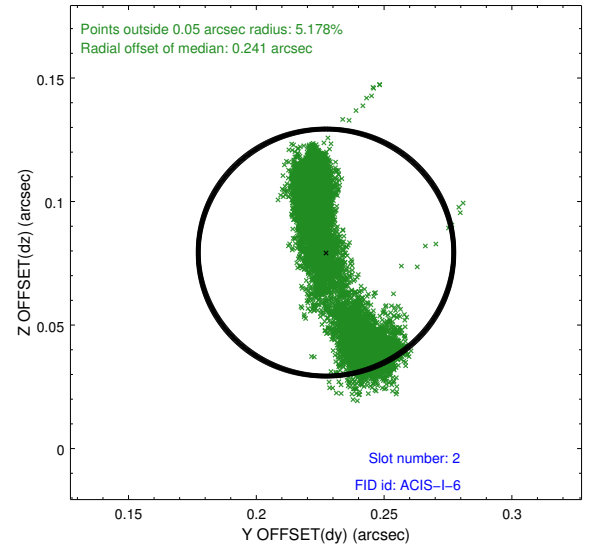
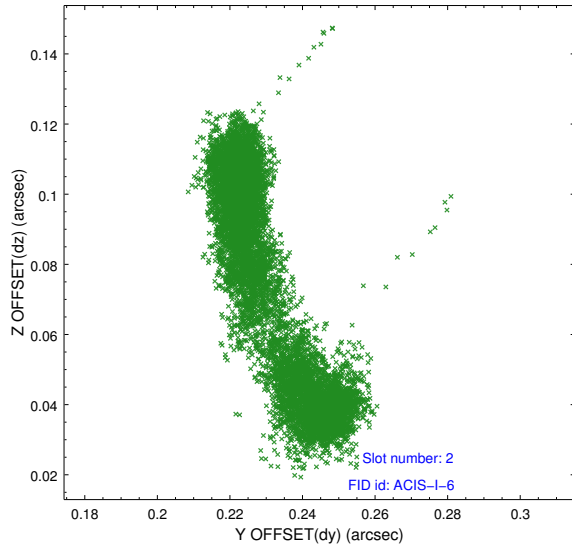
2.5.1 Slot 0



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)	2017.02.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	35.07650026989

A.2 Comments