

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19531 - L2 Version 1
Chandra X-Ray Center

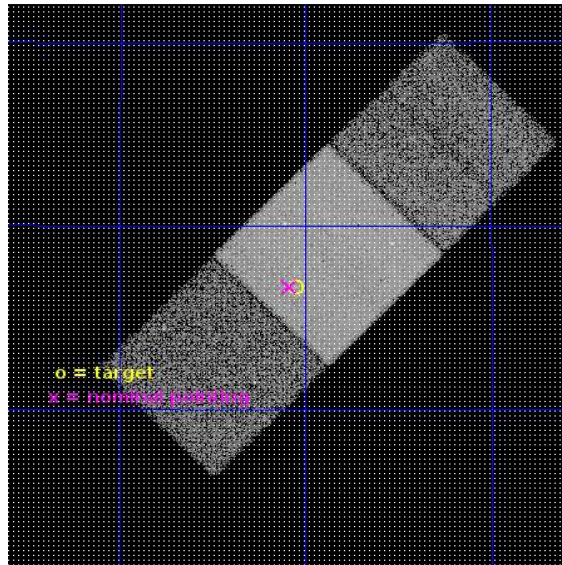
L2 Processing Date : Sep 29 2017

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1 Front

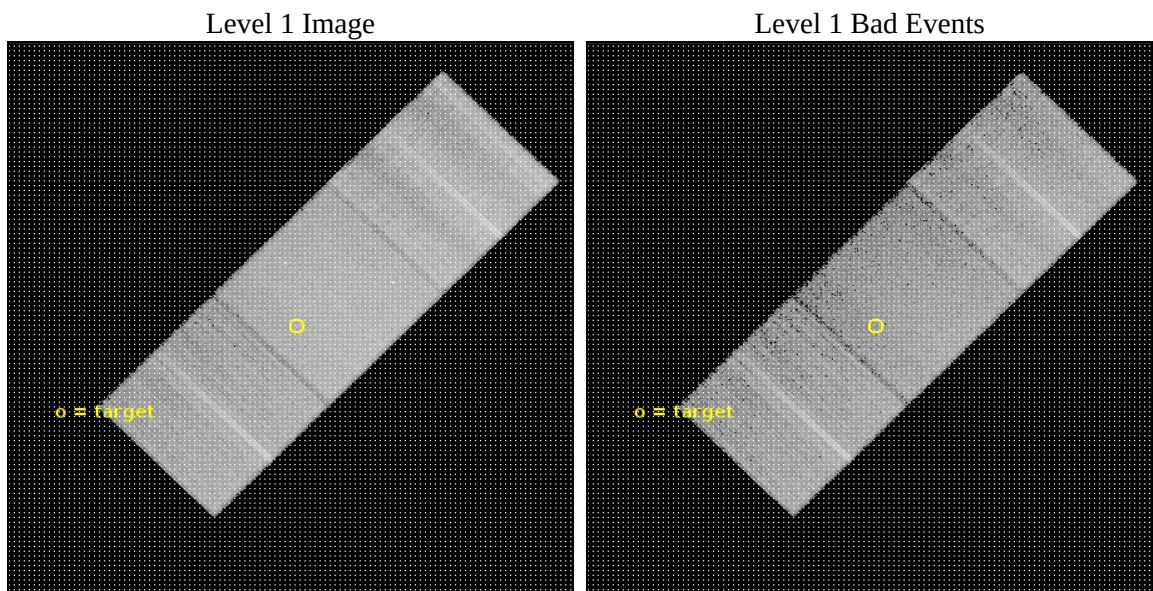
seq_num	703379	Sequence number
obs_id	19531	Observation id
title	Non-thermal X-ray emission from tidal disruption flares	Proposal t
observer	Nicholas Stone	Principal investigator
object	PTF09ge	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	224.262917	Observer's specified target RA [deg]
dec_targ	49.611333	Observer's specified target Dec [deg]
ra_nom	224.27159772857	Nominal RA [deg]
dec_nom	49.611674819473	Nominal Dec [deg]
roll_nom	314.57614021587	Nominal Roll [deg]
revision	1	Processing version of data
ontime	34599.100266218	Sum of GTIs [s]
livetime	34147.037549753	Livetime [s]
ontime6	34599.100266218	Sum of GTIs [s]
ontime7	34599.100266218	Sum of GTIs [s]
ontime8	34583.395154595	Sum of GTIs [s]
l2events	167813	Number of level 2 events



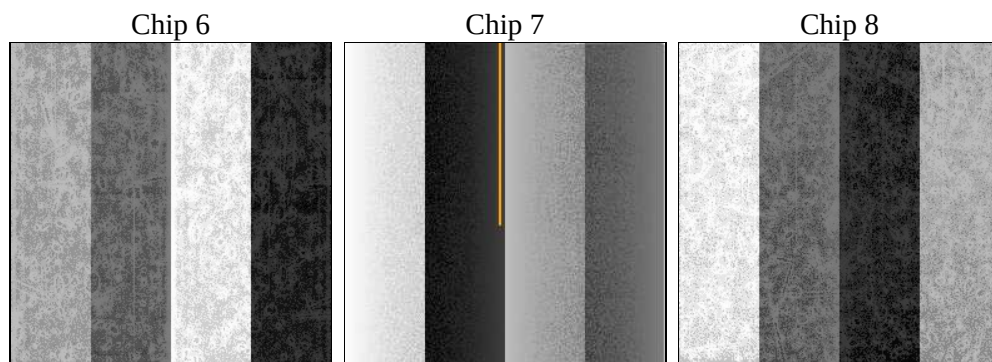
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	34672.594000	[s] Scheduled observation exposure time
ascdsver	10.6	Processing system revision	ontime	34599.100266218	Sum of GTIs [s]
caldbver	4.7.6	 	ontime6	34599.100266218	Sum of GTIs [s]
date	2017-09-29T15:07:54	Date and time of file creation	ontime7	34599.100266218	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	34583.395154595	Sum of GTIs [s]
			l1events	778356	Number of level 1 events

2.1.4 Events

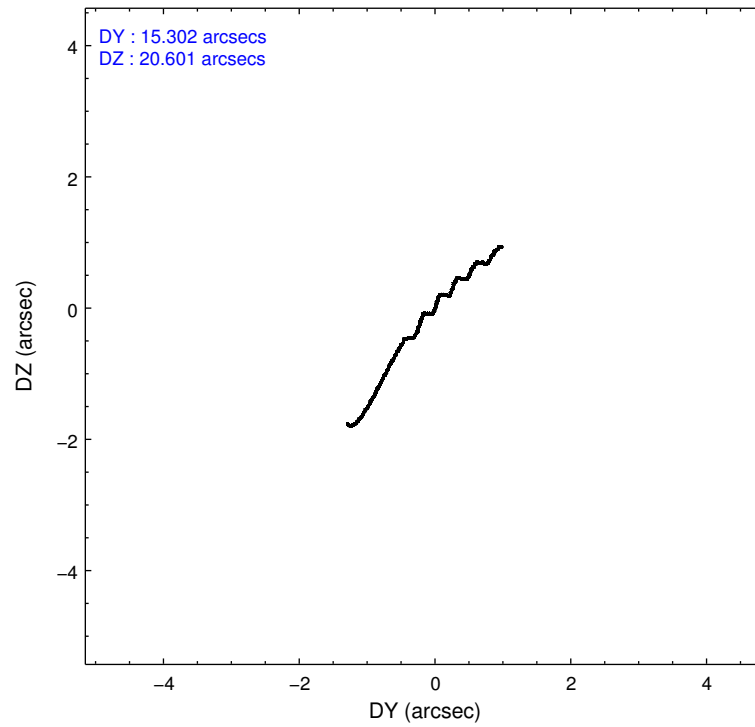
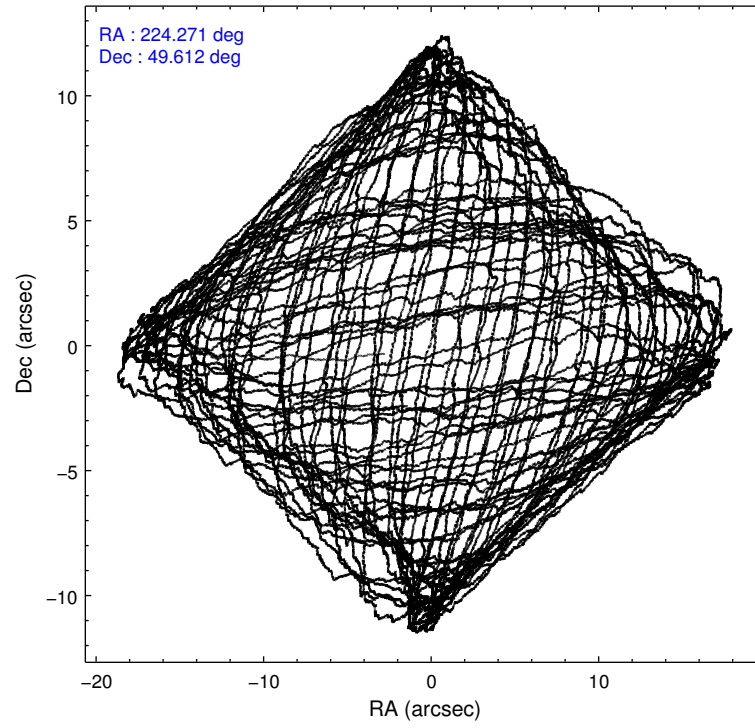
	ccd 6	ccd 7	ccd 8
level 1 events	212796	280621	284939
rejected events	187647	158187	204994
rejected %	88%	56%	71%

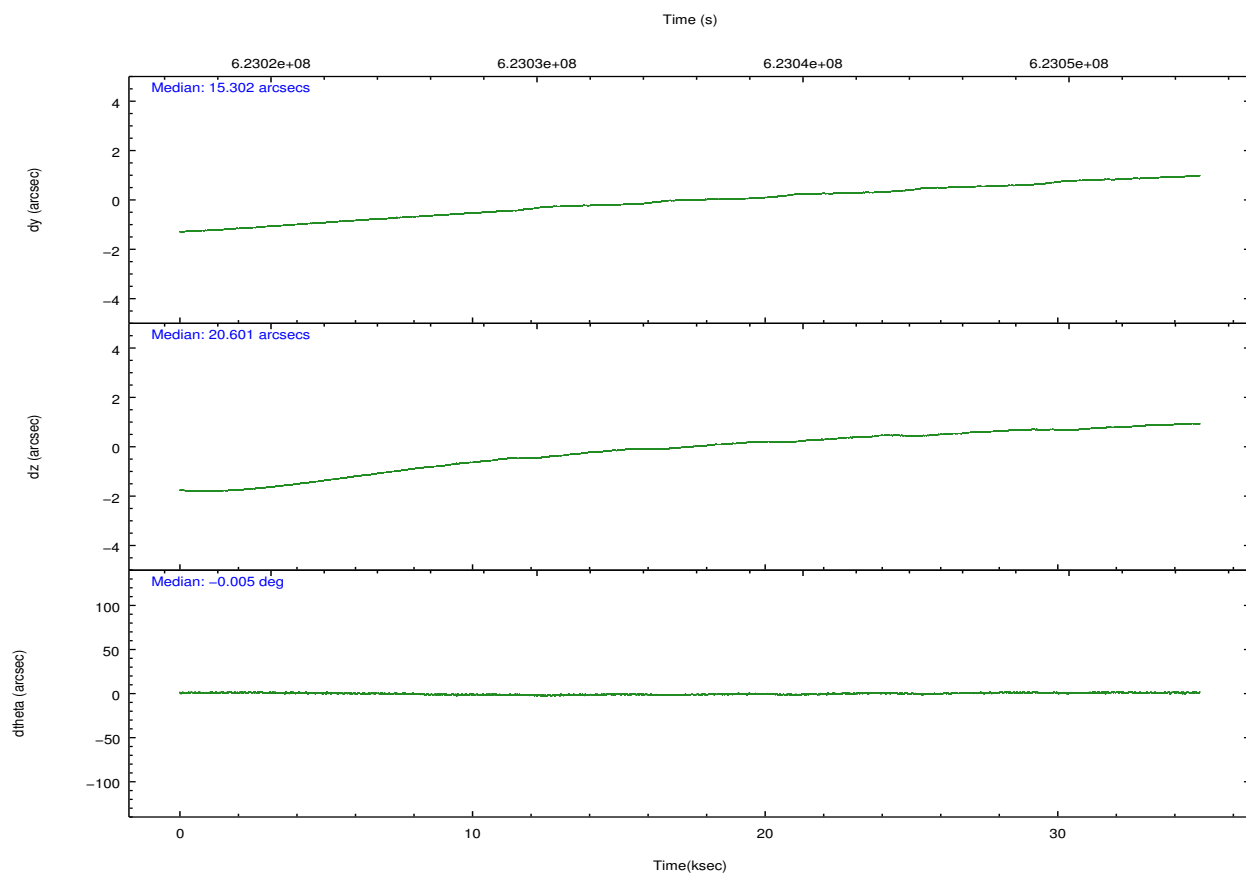
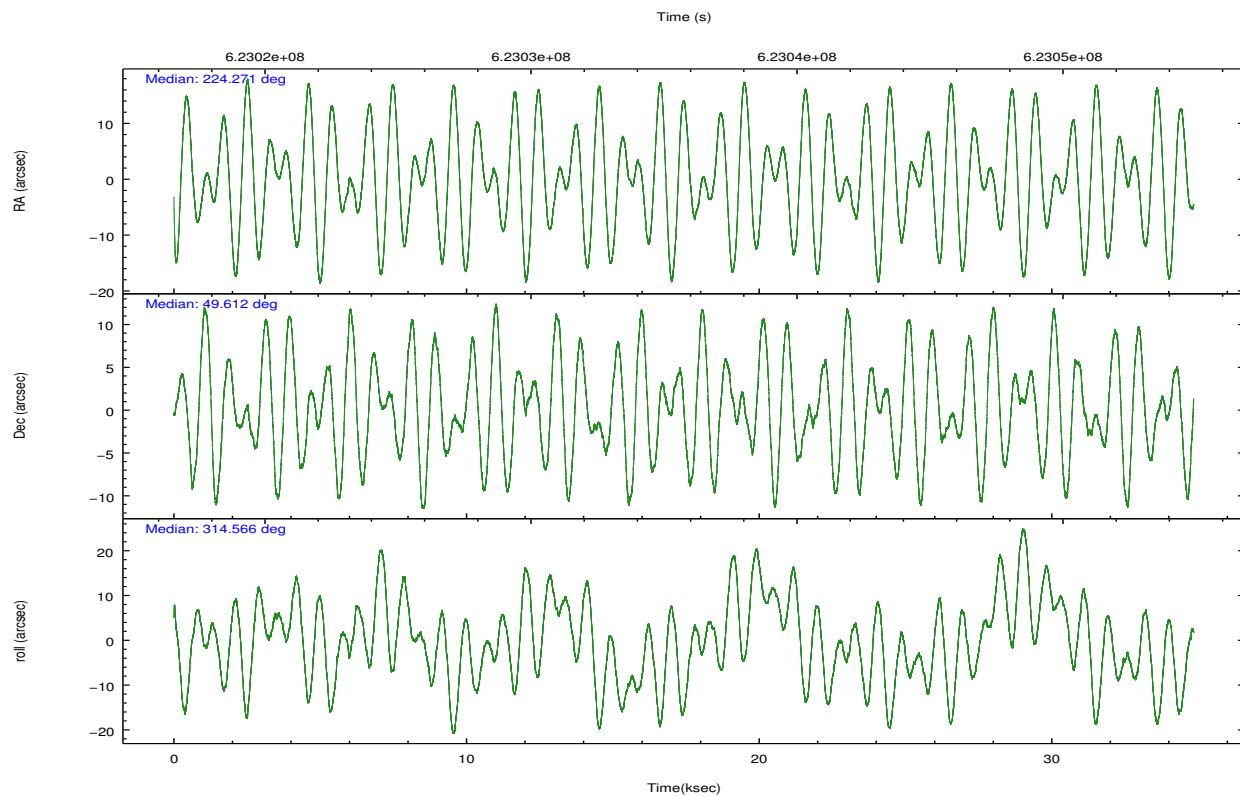
	ccd 6	ccd 7	ccd 8
grade 0 events	8404	10505	23524
	3%	3%	8%
grade 1 events	101	447	251
	0%	0%	0%
grade 2 events	5875	25867	18715
	2%	9%	6%
grade 3 events	2518	9857	8591
	1%	3%	3%
grade 4 events	2487	9725	7868
	1%	3%	2%
grade 5 events	10917	28343	15583
	5%	10%	5%
grade 6 events	5869	66494	21264
	2%	23%	7%
grade 7 events	176625	129383	189143
	83%	46%	66%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	224.230619	224.2715977285664	CCD I2 on	N	N
[deg] Pointing Dec	49.618637	49.61167481947339	CCD I3 on	N	N
[deg] Pointing Roll	314.450725	314.5761402158736	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O2	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	O1	Y
[s] Observation start time (MET)	623018478.184000	623017224.71227	CCD S5 on	N	N
Observation start date	2017-09-28T20:40:09	2017-09-28T20:20:24	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	623053150.184000	623054159.56444	On-chip summing requested	N	N
Observation end date	2017-09-29T06:18:01	2017-09-29T06:35:59	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



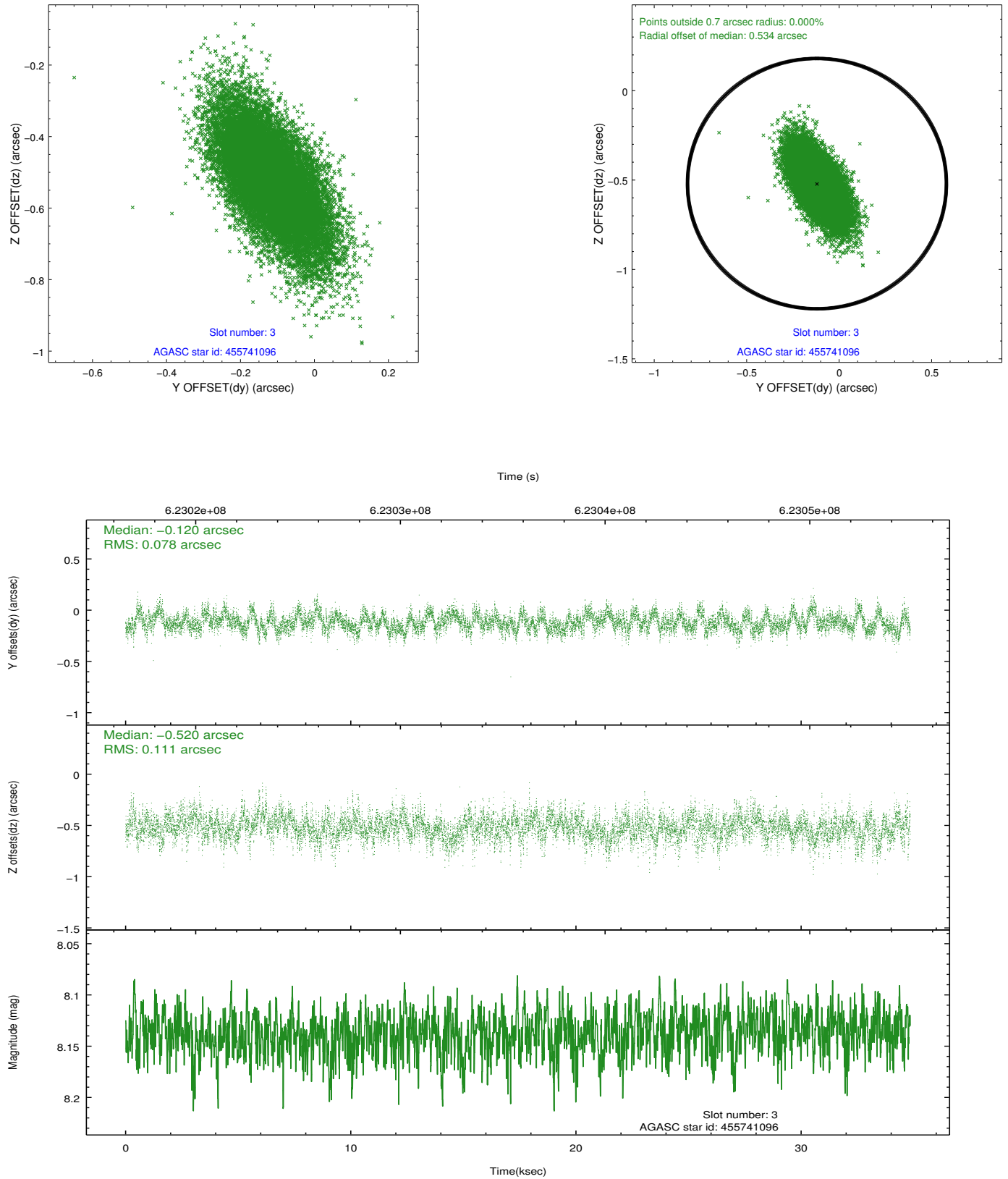


Slot Statistics

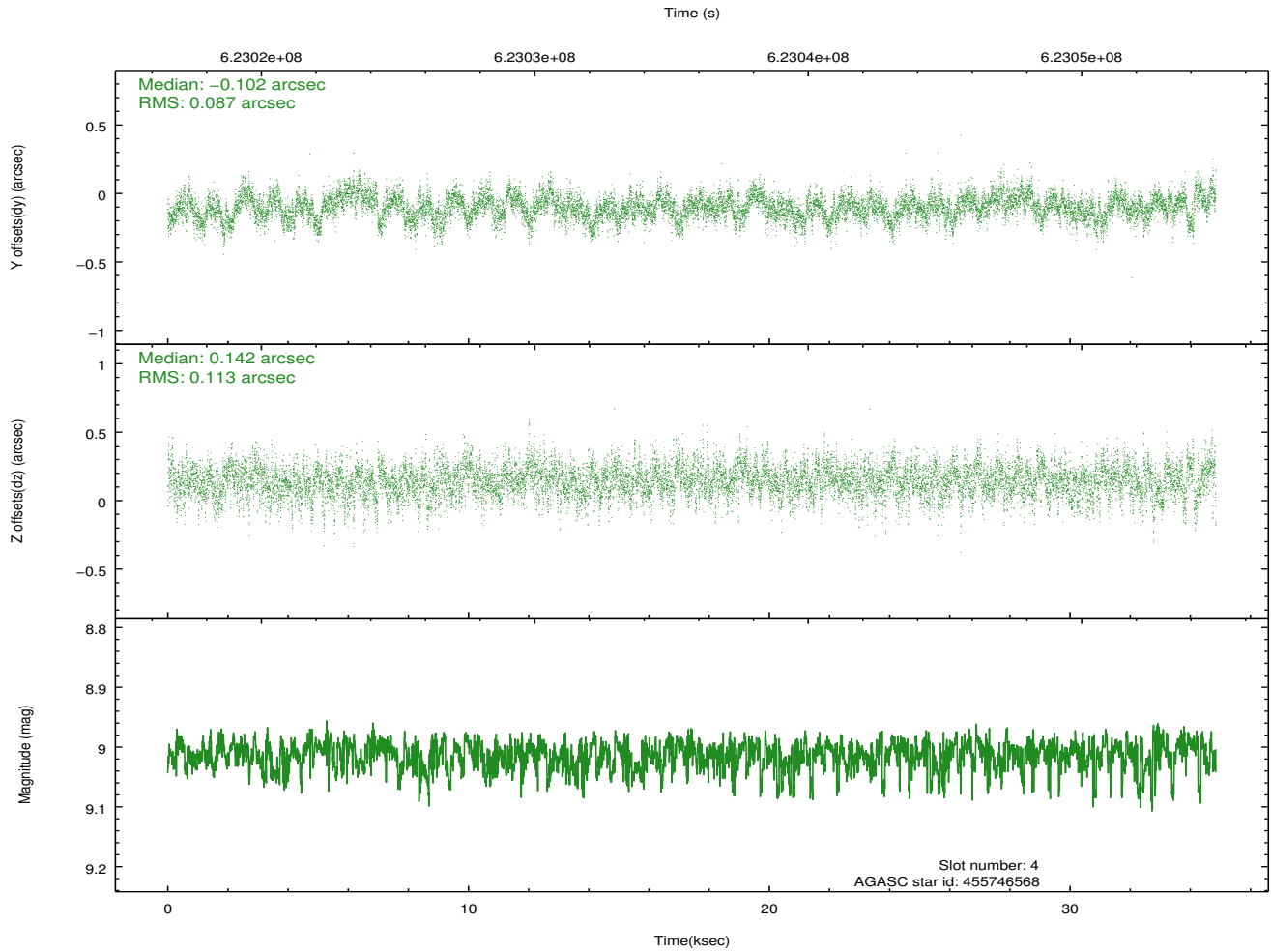
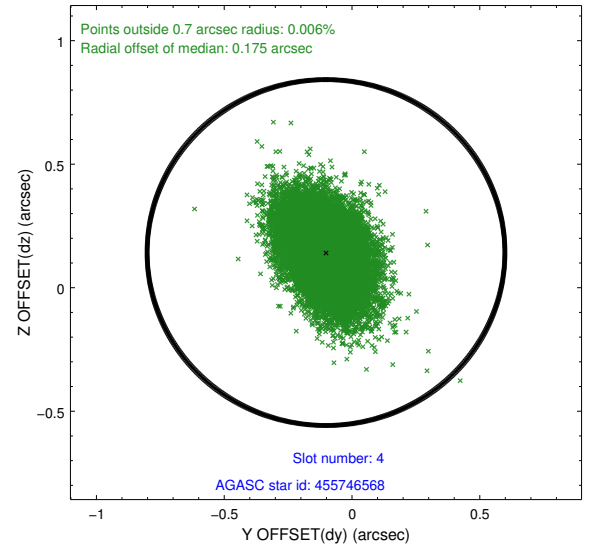
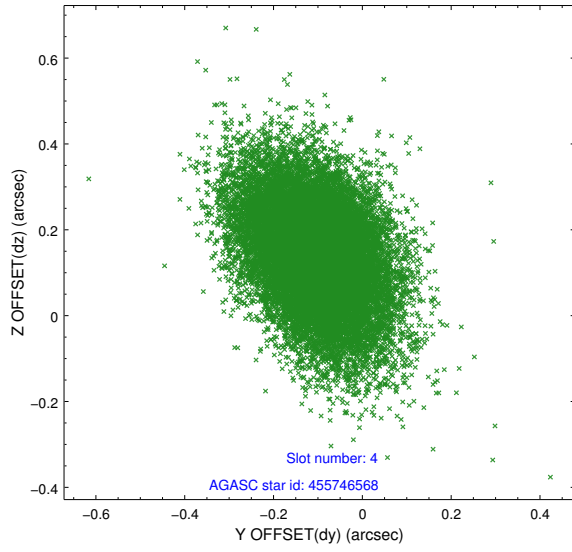
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	6.99	8500	-0.210	-0.069	0.020	0.051	0.000000	0.000000	-768.39	-1741.97
1	FID		ACIS-S-4	7.11	8500	0.452	0.119	0.016	0.030	0.000000	0.000000	2145.50	166.69
2	FID		ACIS-S-5	7.10	8499	-0.269	-0.043	0.022	0.059	0.000000	0.000000	-1821.27	160.21
3	GUIDE	used	455741096	8.14	16994	-0.120	-0.520	0.137	0.252	224.973479	49.433547	1687.55	780.93
4	GUIDE	used	455746568	9.01	16985	-0.102	0.142	0.148	0.253	223.879763	49.134458	664.23	-1808.68
5	GUIDE	used	456139176	8.94	16991	0.053	0.091	0.156	0.253	223.956960	50.123174	-1739.93	821.56
6	GUIDE	used	456139840	7.21	17000	-0.146	-0.246	0.127	0.217	224.576646	50.104272	-689.80	1795.90
7	GUIDE	used	455741016	9.48	16980	0.336	0.532	0.249	0.388	223.408721	49.194038	-269.54	-2442.85

2.4 Star Slots

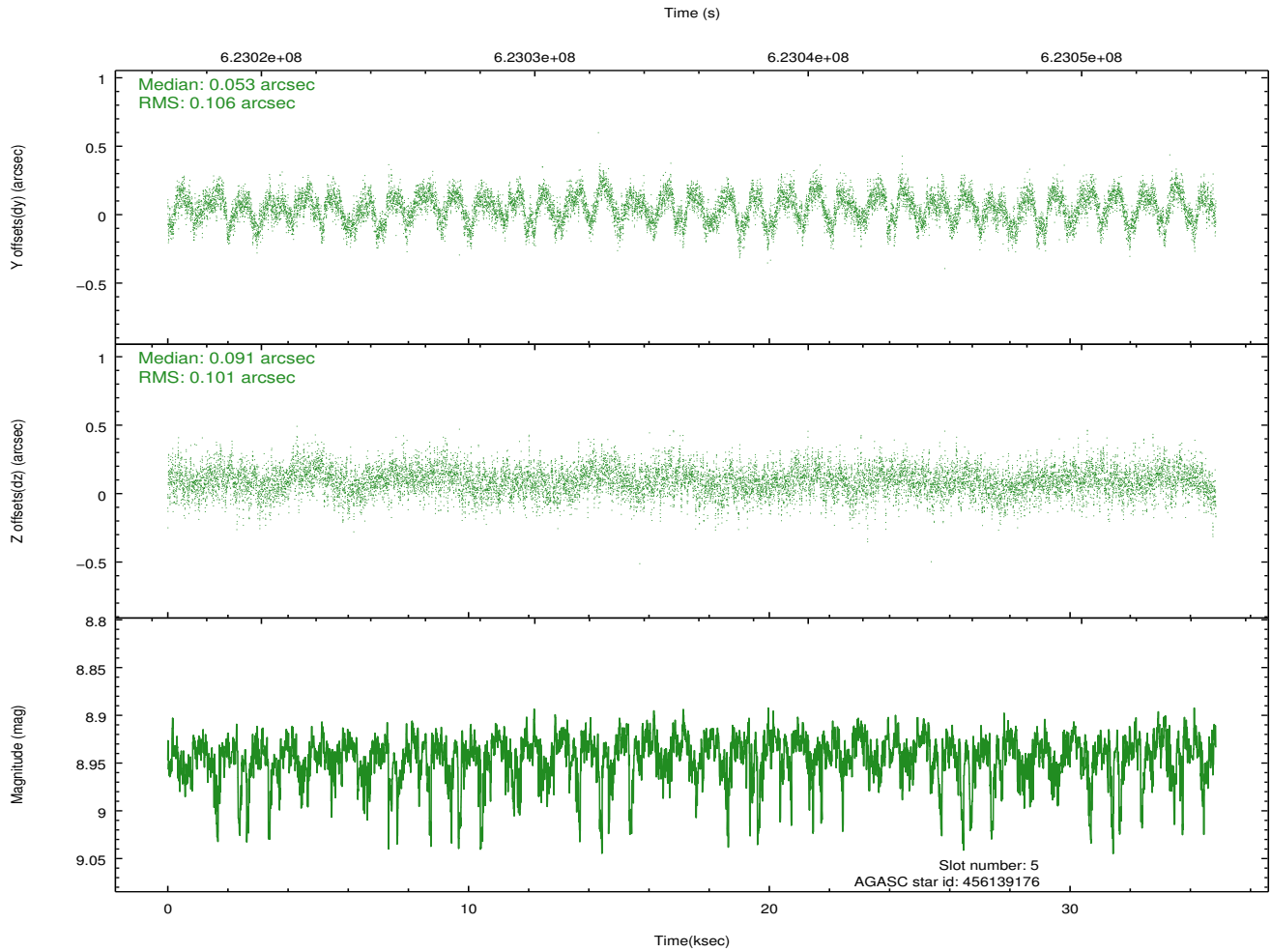
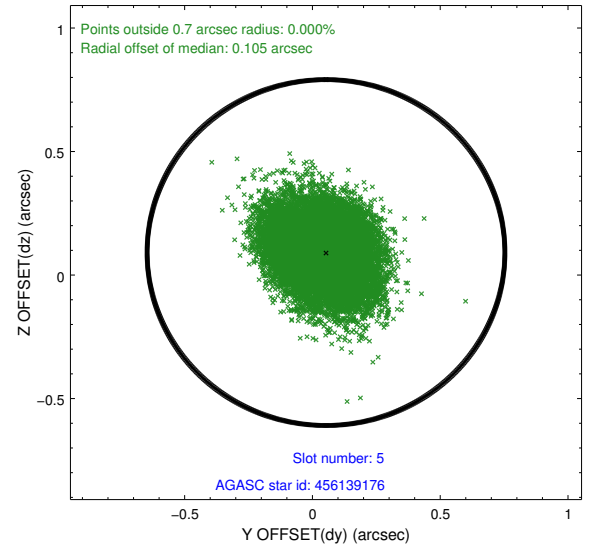
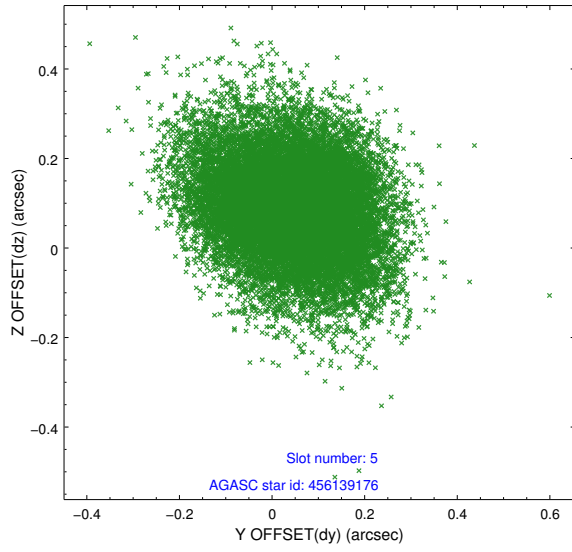
2.4.1 Slot 3



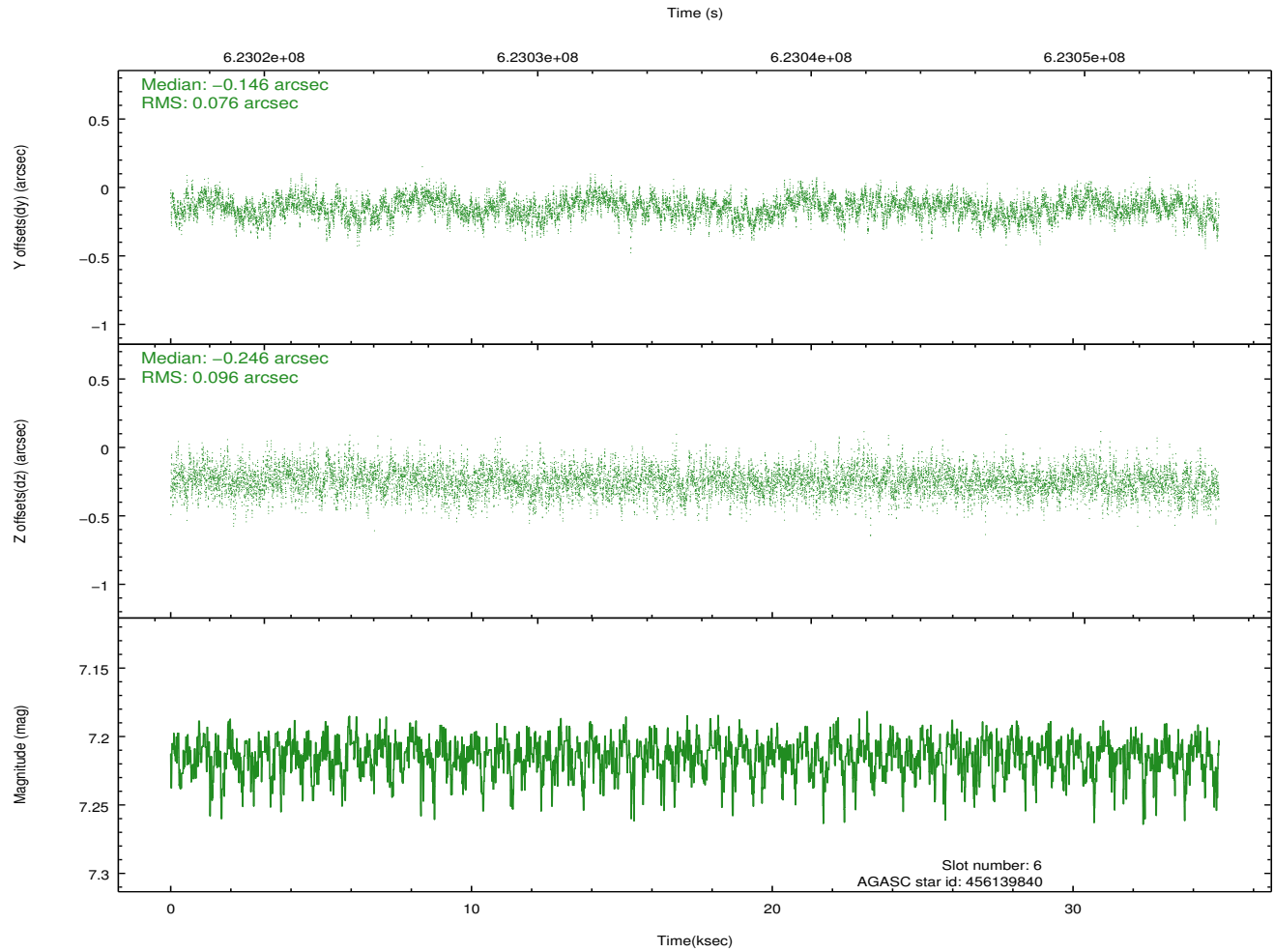
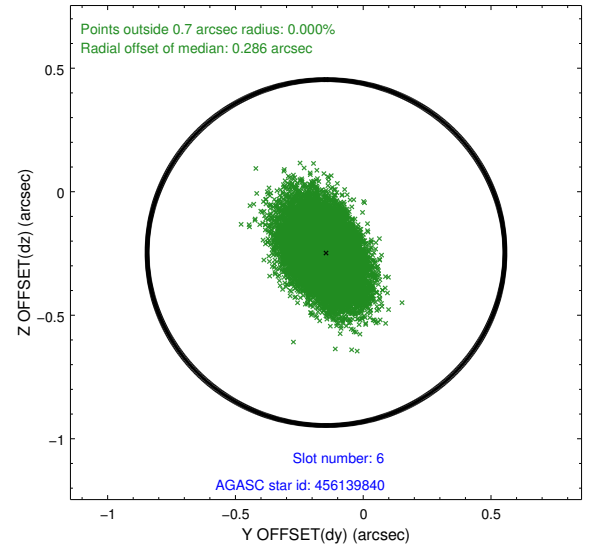
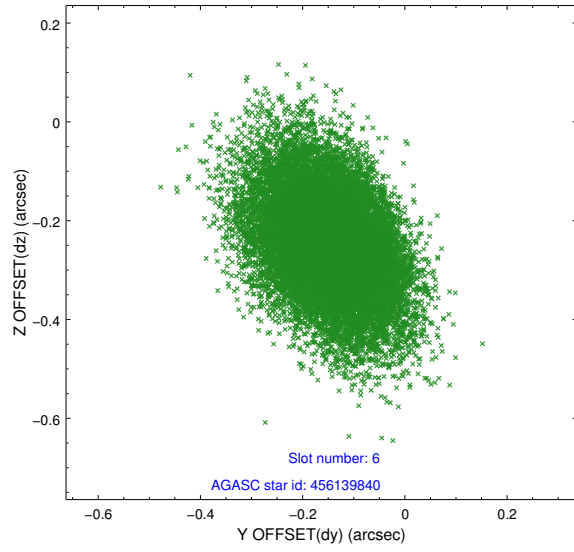
2.4.2 Slot 4



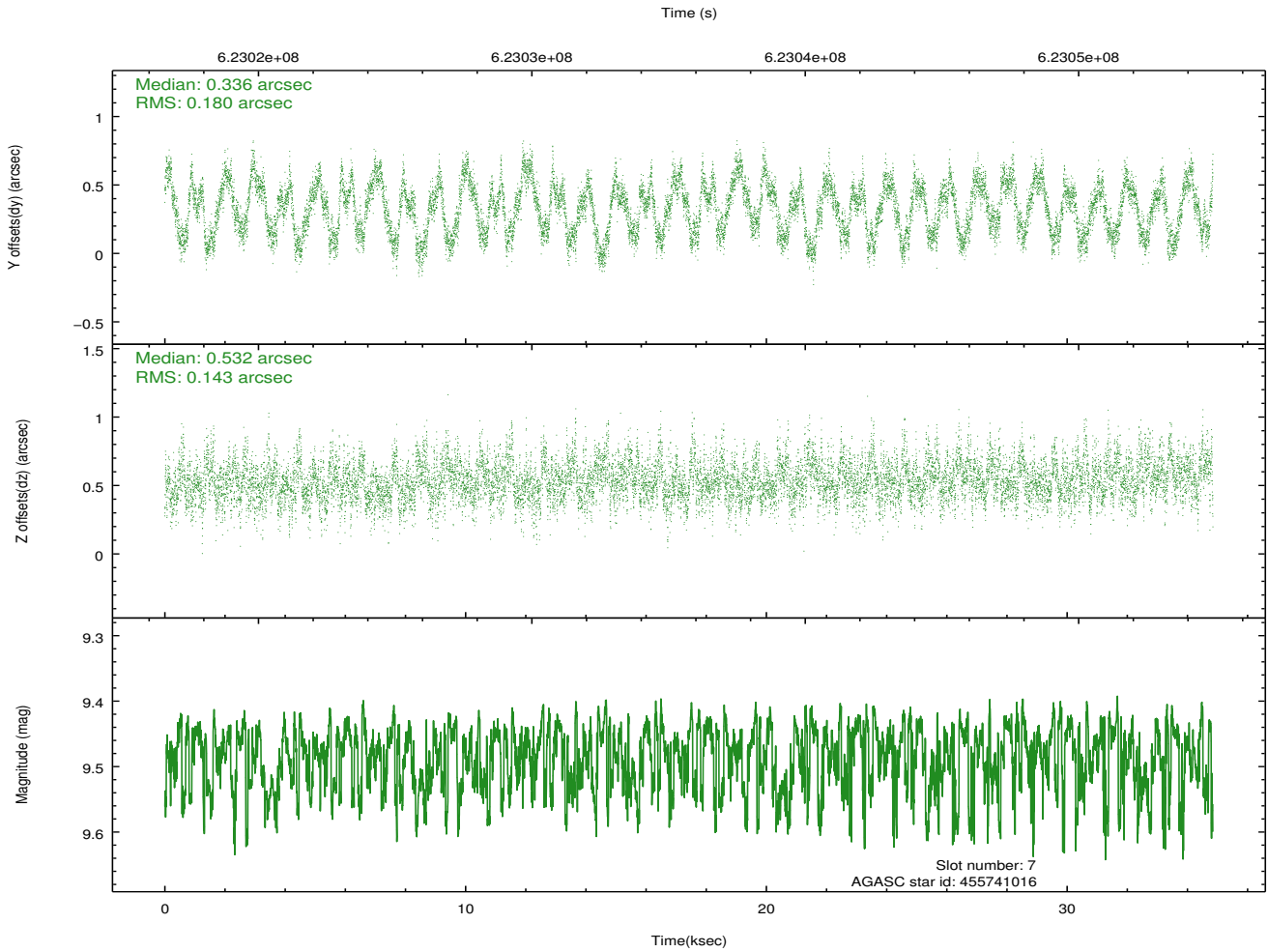
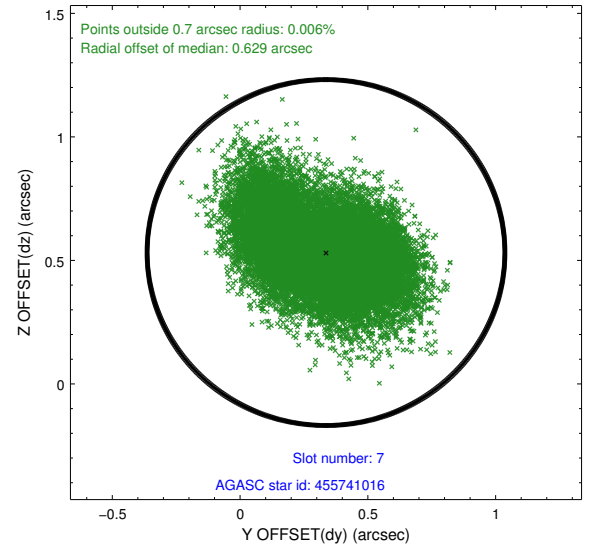
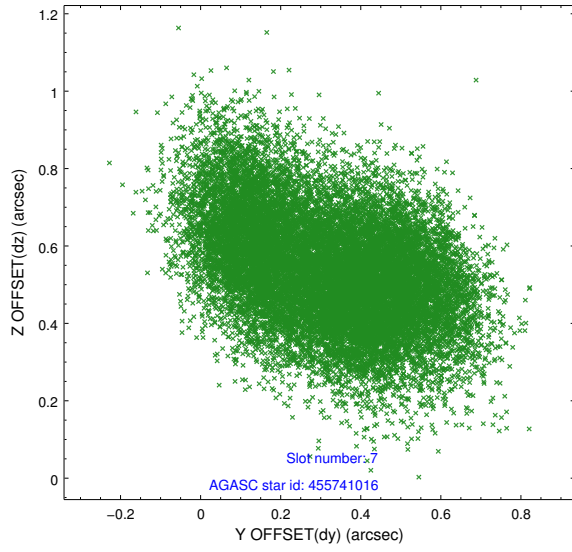
2.4.3 Slot 5



2.4.4 Slot 6

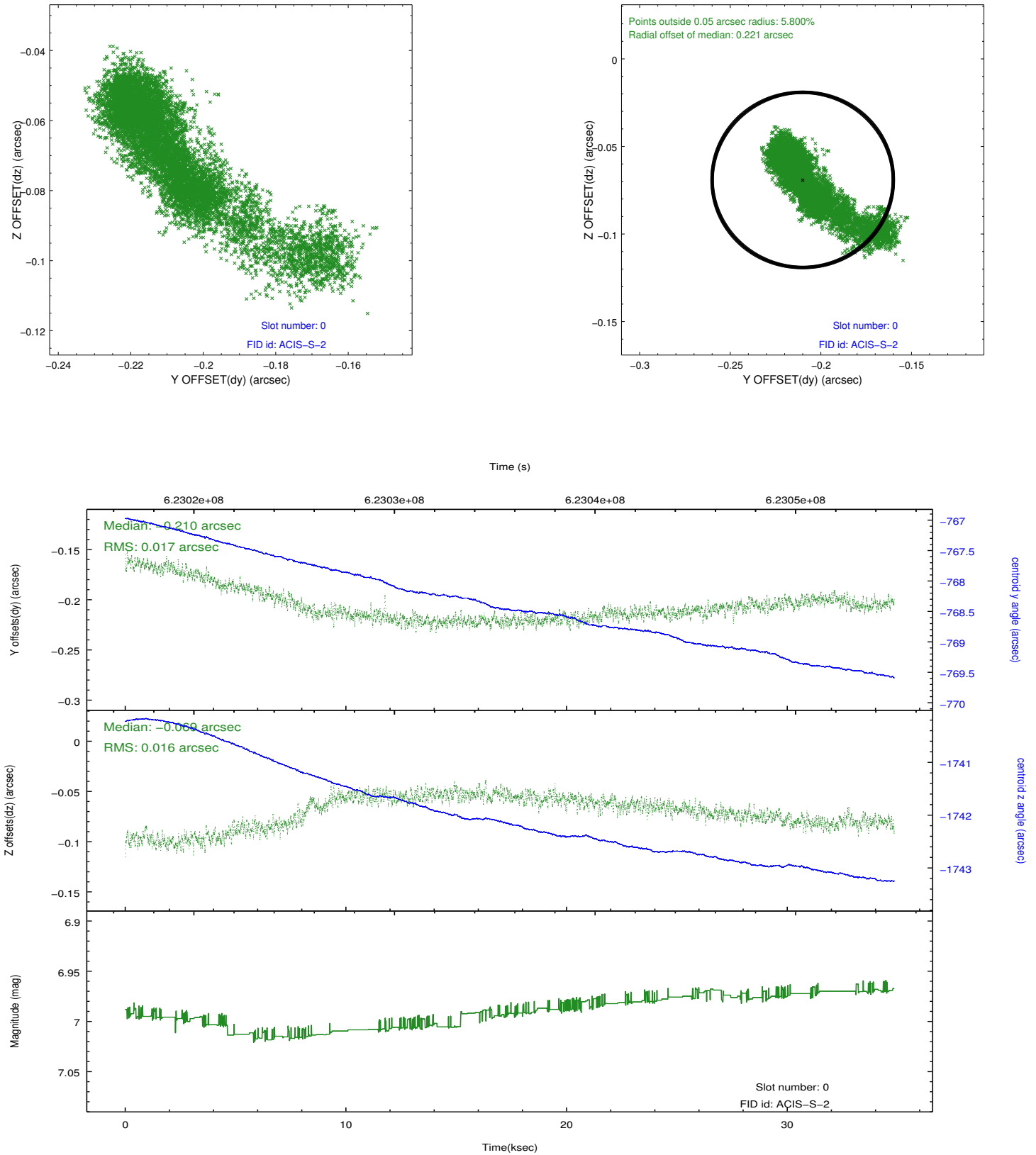


2.4.5 Slot 7

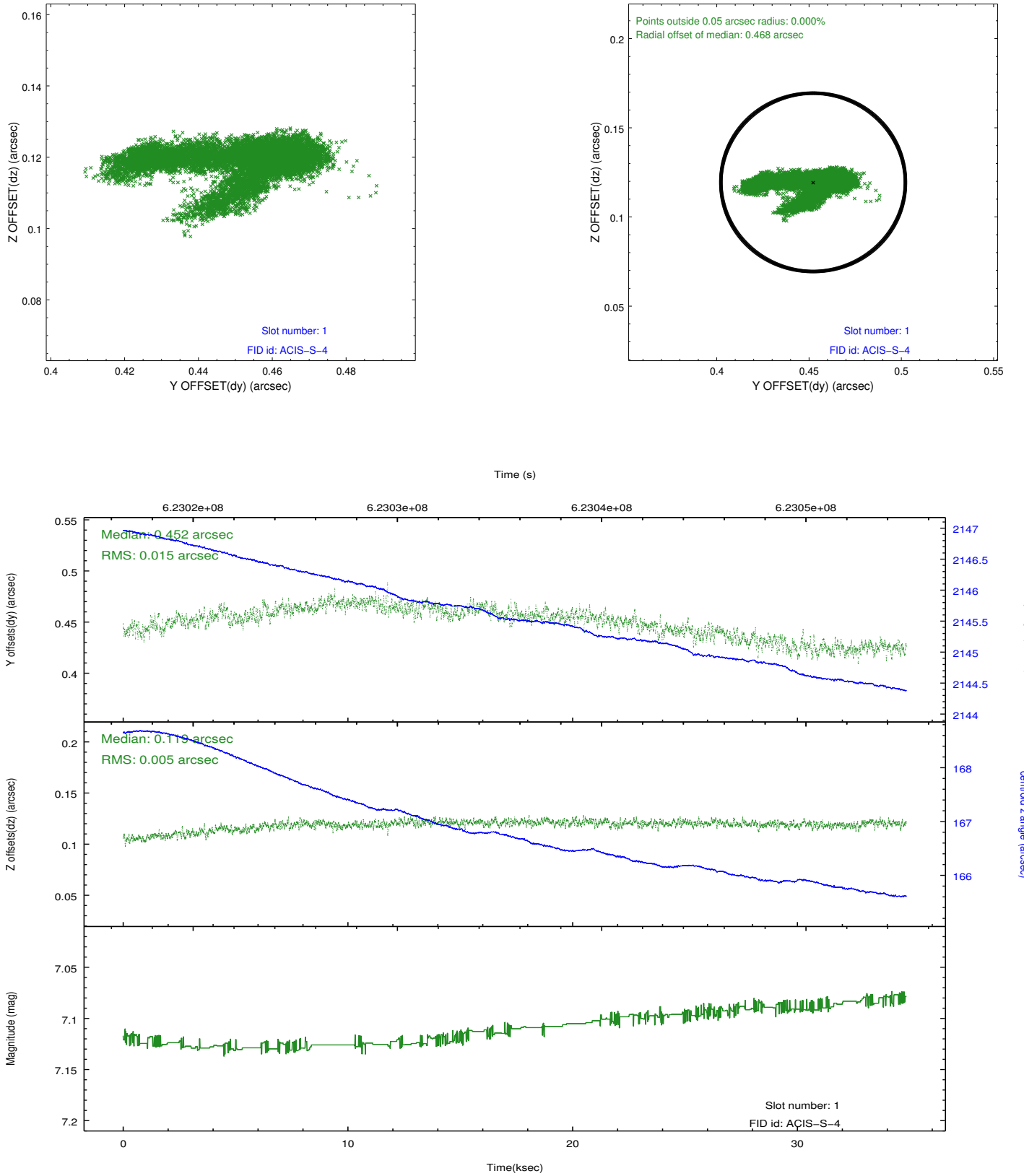


2.5 FID Slots

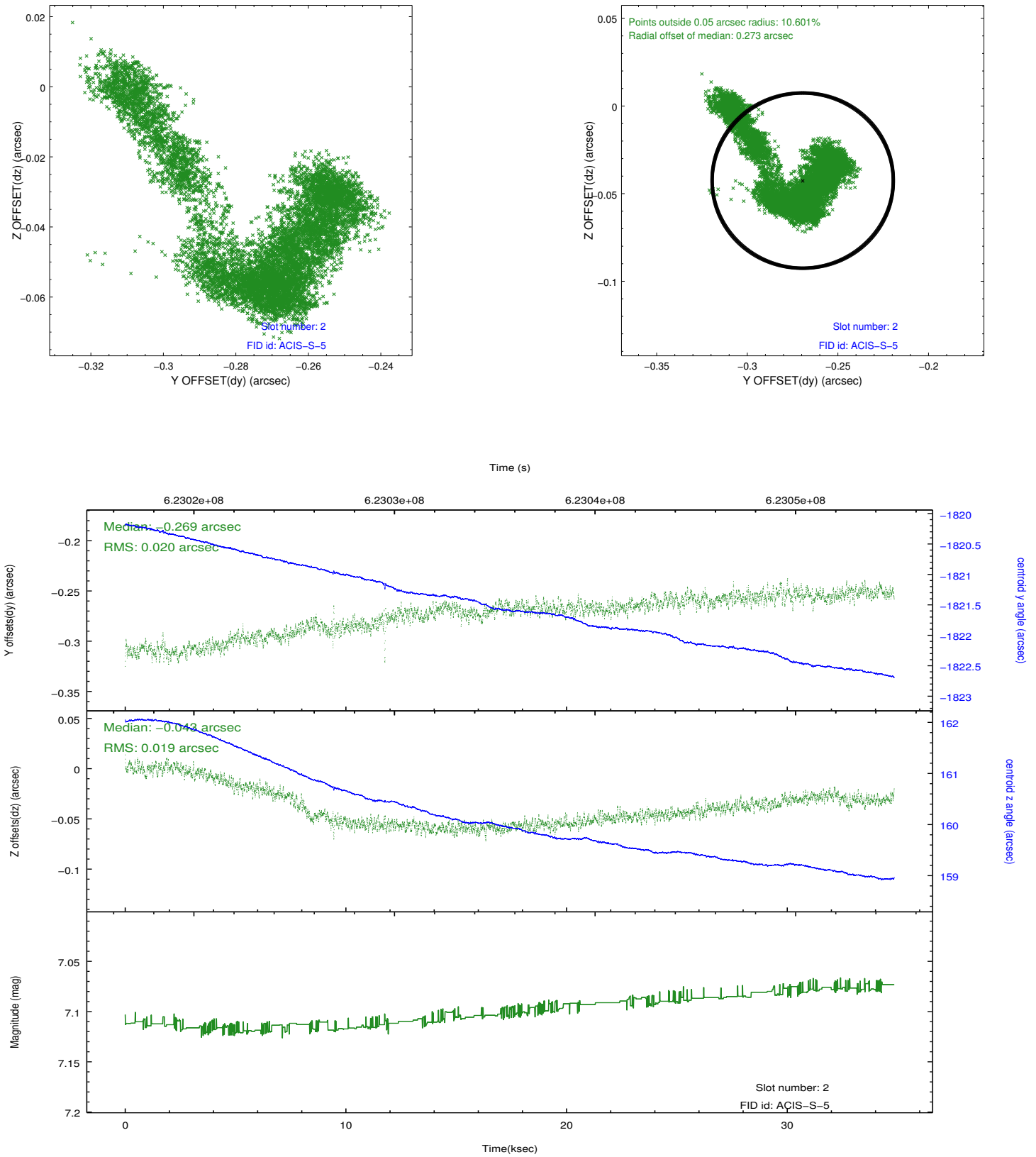
2.5.1 Slot 0



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)	2017.09.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	34.599100266218

A.2 Comments