

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 17468 - L2 Version 1
Chandra X-Ray Center

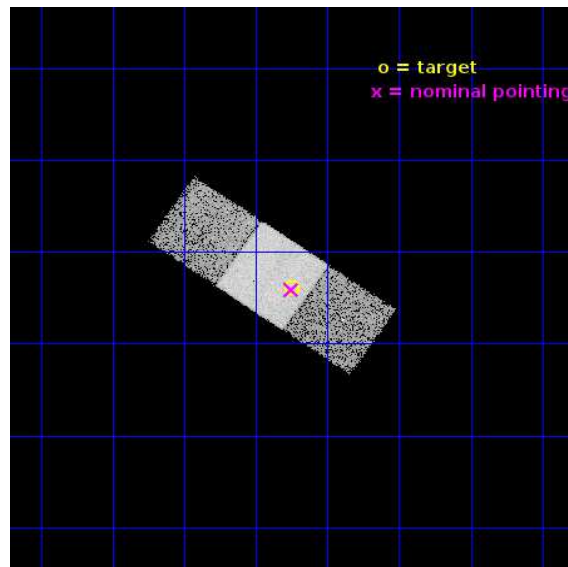
L2 Processing Date : May 18 2016

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1 Front

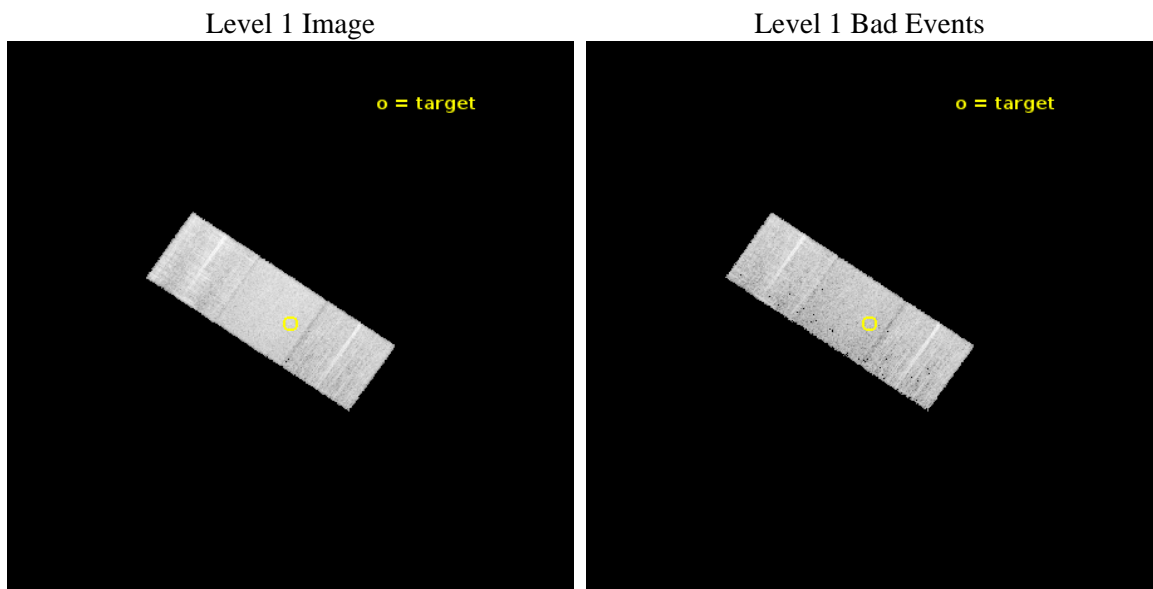
seq_num	703145	Sequence number
obs_id	17468	Observation id
title	Intrinsic X-ray Weakness and the Launching of Powerful Quasar Winds	
observer	Gordon Garmire	Principal investigator
object	LBQS 1442-0011	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	221.312083	Observer's specified target RA [deg]
dec_targ	-0.399472	Observer's specified target Dec [deg]
ra_nom	221.3129093598	Nominal RA [deg]
dec_nom	-0.40190517491604	Nominal Dec [deg]
roll_nom	214.45378965492	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10812.80008328	Sum of GTIs [s]
livetime	10671.522889924	Livetime [s]
ontime6	10812.80008328	Sum of GTIs [s]
ontime7	10812.80008328	Sum of GTIs [s]
ontime8	10809.65906322	Sum of GTIs [s]
l2events	52414	Number of level 2 events



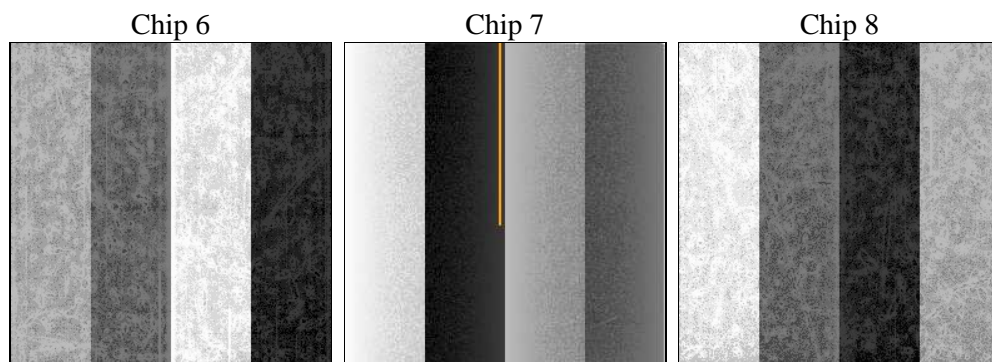
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10700.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	10812.80008328	Sum of GTIs [s]
caldsver	4.7.1	 	ontime6	10812.80008328	Sum of GTIs [s]
date	2016-05-18T19:40:03	Date and time of file creation	ontime7	10812.80008328	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	10809.65906322	Sum of GTIs [s]
			l1events	244282	Number of level 1 events

2.1.4 Events

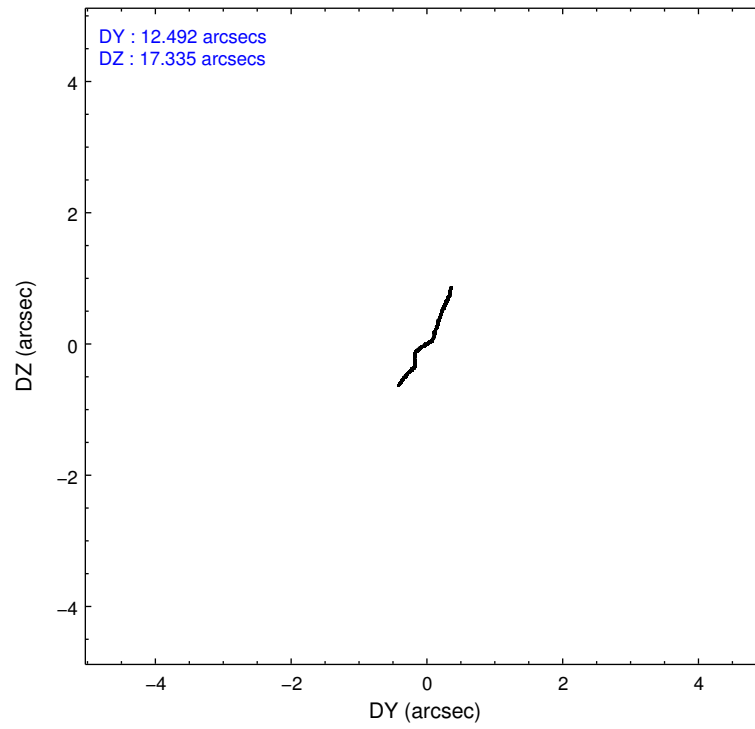
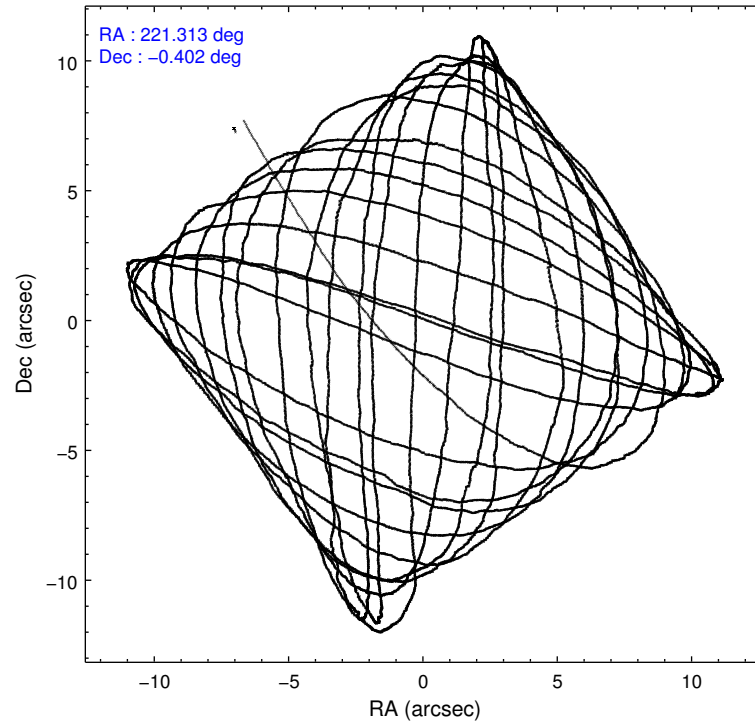
	ccd 6	ccd 7	ccd 8
level 1 events	66539	87463	90280
rejected events	58755	49138	65570
rejected %	88%	56%	72%

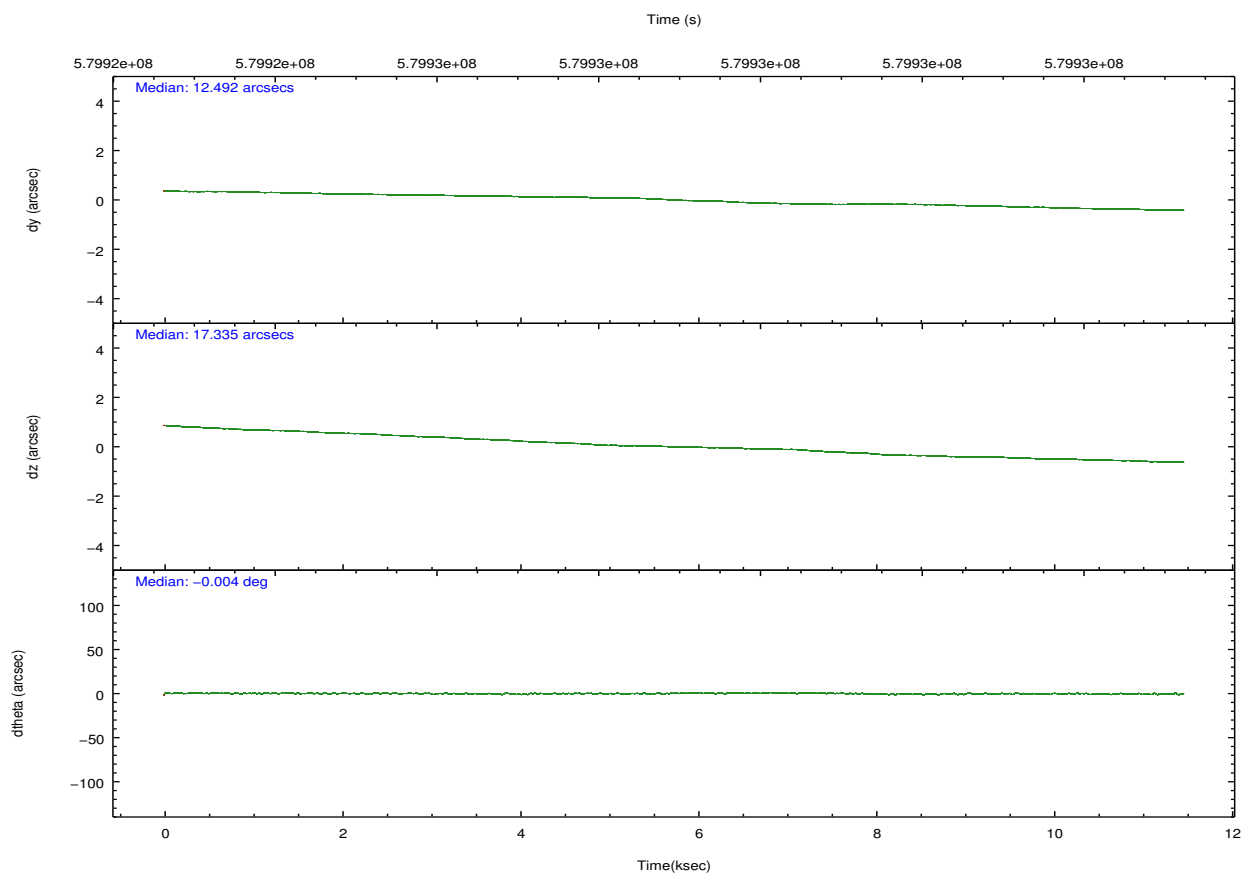
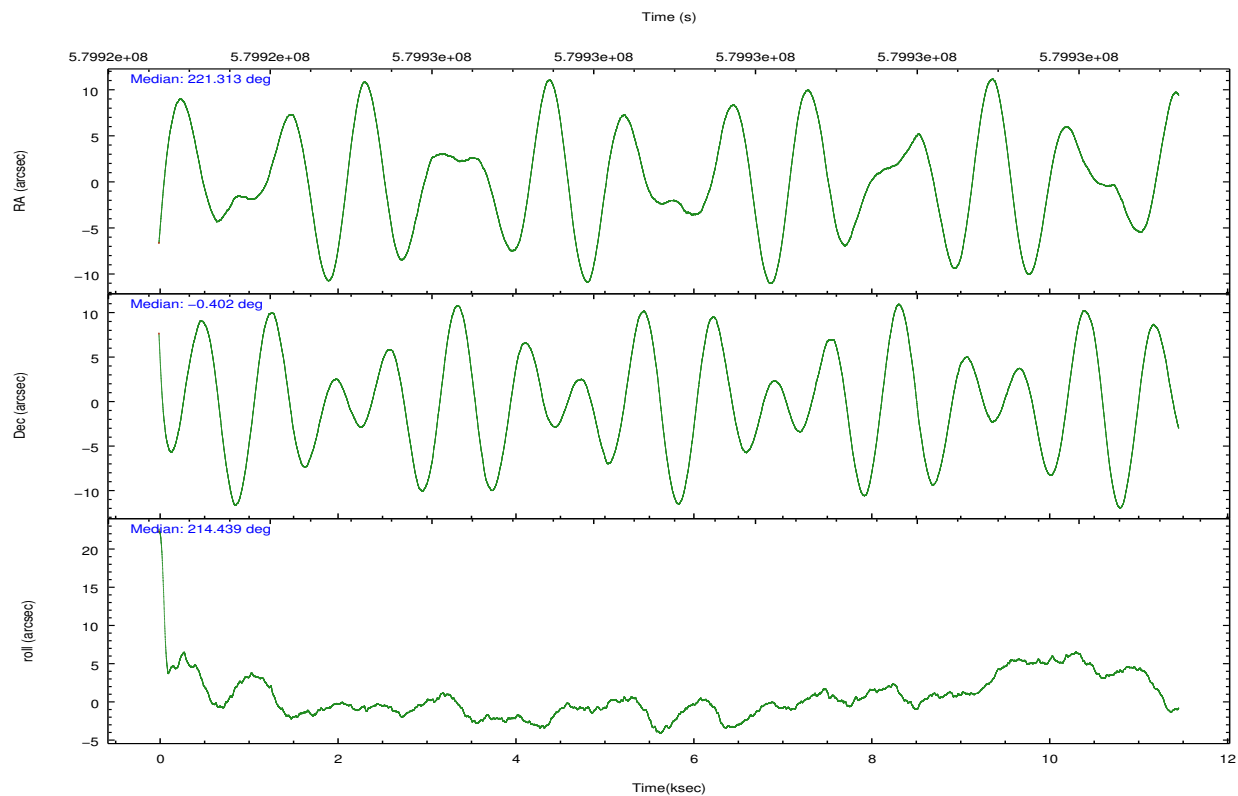
	ccd 6	ccd 7	ccd 8
grade 0 events	2659	3365	6985
	3%	3%	7%
grade 1 events	25	124	59
	0%	0%	0%
grade 2 events	1718	8147	6161
	2%	9%	6%
grade 3 events	780	3220	2373
	1%	3%	2%
grade 4 events	762	3190	2272
	1%	3%	2%
grade 5 events	3244	8972	4887
	4%	10%	5%
grade 6 events	1867	20419	6924
	2%	23%	7%
grade 7 events	55484	40026	60619
	83%	45%	67%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	221.324356	221.3129093597961	Subarray requested	NONE	NONE
[deg] Pointing Dec	-0.376997	-0.4019051749160364	Alternating exposures requested	N	N
[deg] Pointing Roll	214.297208	214.4537896549239	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	579923950.184000	579922042.26781			
Observation start date	2016-05-18T01:58:02	2016-05-18T01:27:22			
[s] Observation end time (MET)	579934650.184000	579936013.01861			
Observation end date	2016-05-18T04:56:22	2016-05-18T05:20:13			
Read mode	TIMED	TIMED			

2.3 Aspect



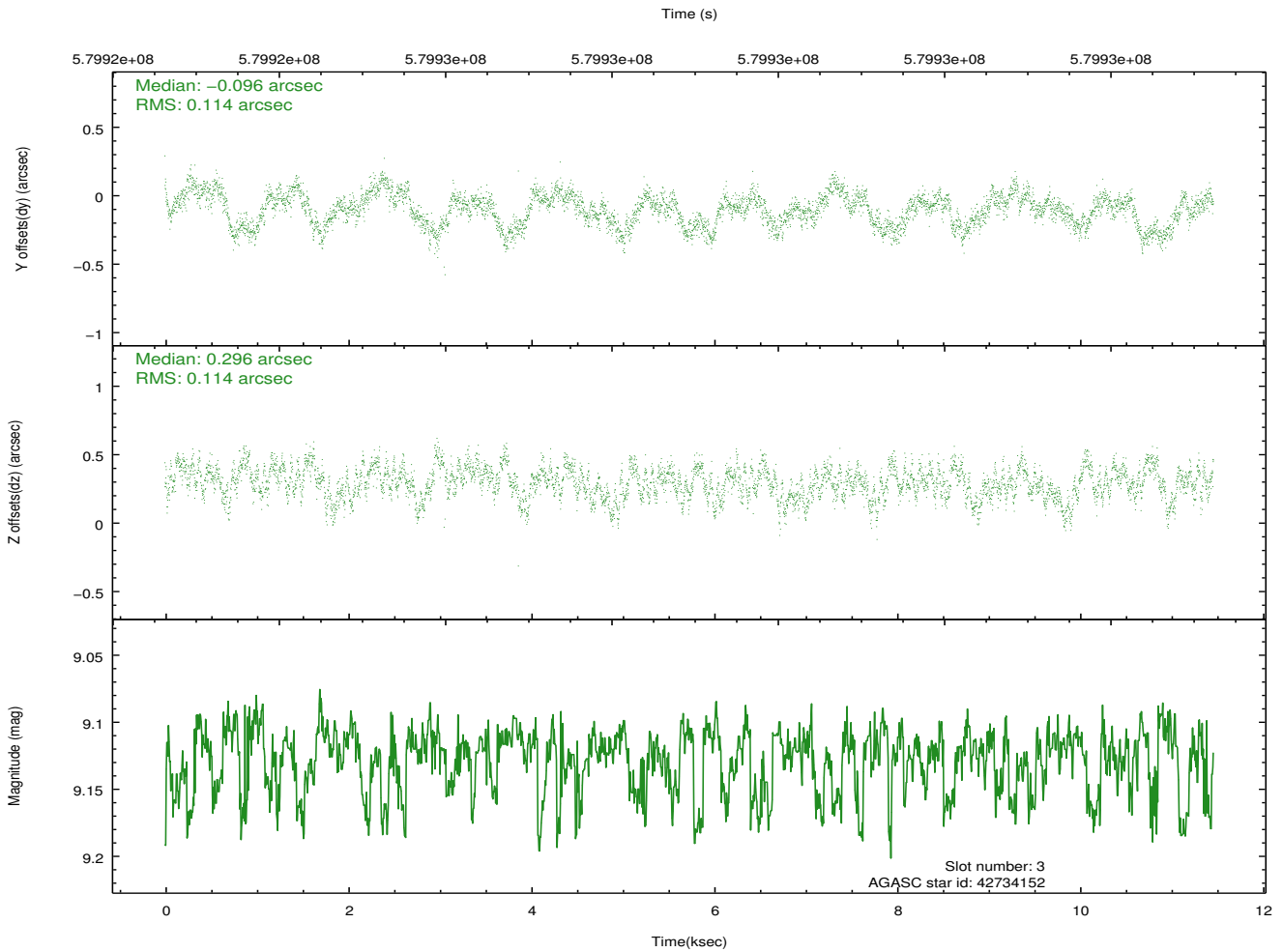
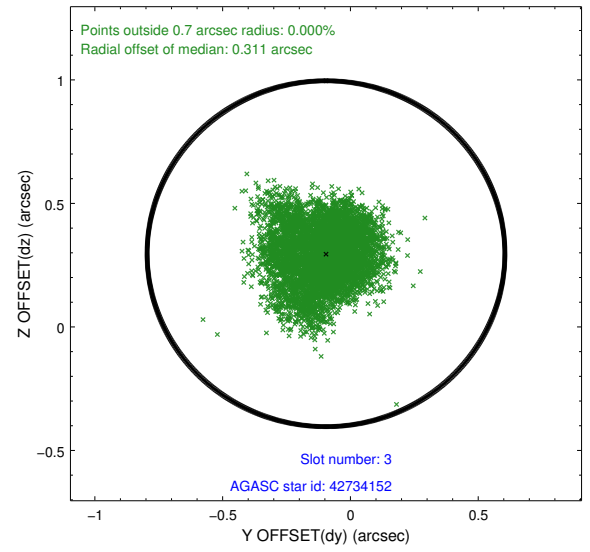
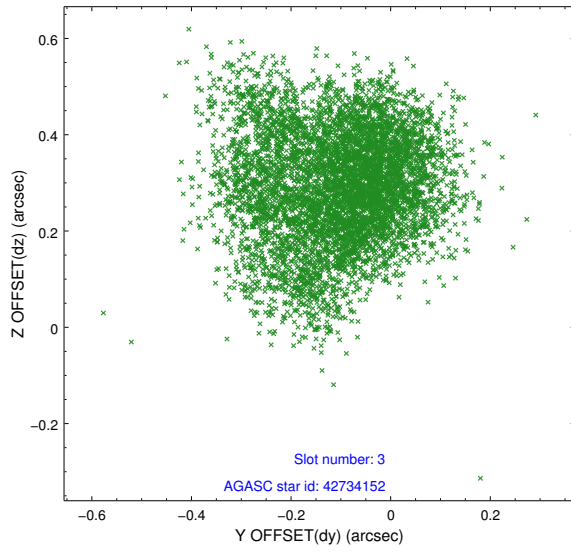


Slot Statistics

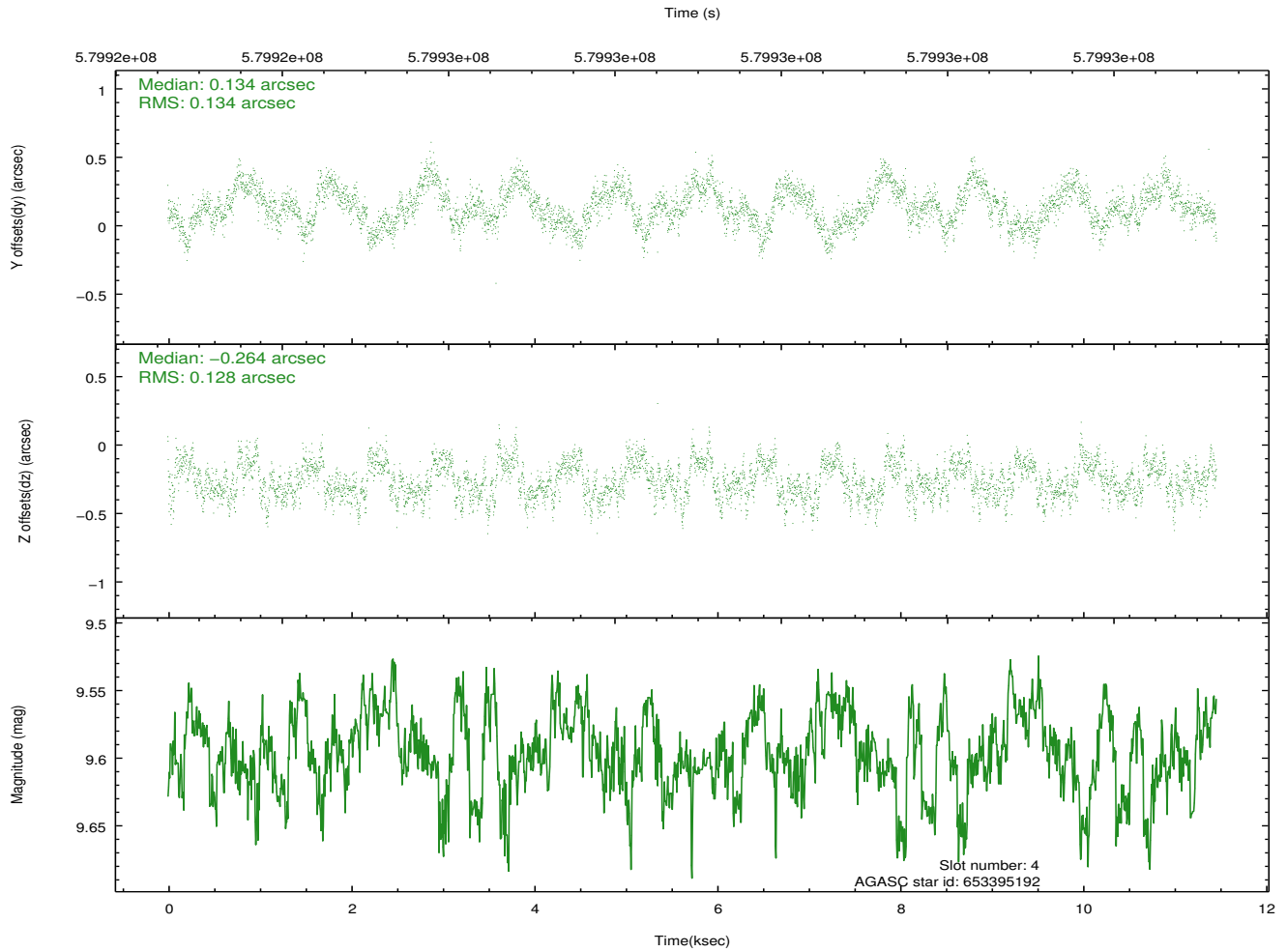
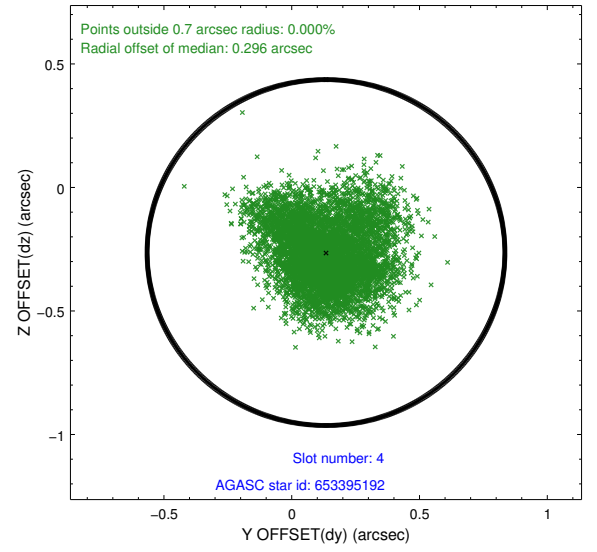
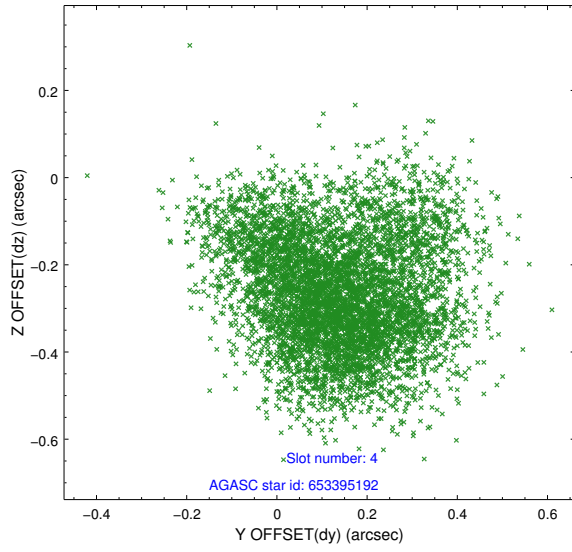
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.09	2797	-0.112	-0.104	0.016	0.028	0.000000	0.000000	-765.48	-1738.92
1	FID		ACIS-S-4	7.21	2797	0.372	0.081	0.010	0.018	0.000000	0.000000	2148.07	169.30
2	FID		ACIS-S-5	7.23	2797	-0.293	0.032	0.015	0.031	0.000000	0.000000	-1817.95	163.40
3	GUIDE	used	42734152	9.13	5585	-0.096	0.296	0.174	0.271	220.942067	0.047440	280.03	-2038.31
4	GUIDE	used	653395192	9.60	5583	0.134	-0.264	0.201	0.314	221.058672	-0.618526	1280.90	178.80
5	GUIDE	used	653397264	9.65	5588	0.158	0.268	0.232	0.402	220.870473	-0.368754	1334.49	-944.66
6	GUIDE	used	653528704	6.74	5592	-0.203	-0.083	0.104	0.160	221.574190	-0.833772	183.88	1864.50
7	GUIDE	used	653527640	9.37	5587	0.014	-0.188	0.157	0.250	221.265613	-1.097844	1637.44	2024.79

2.4 Star Slots

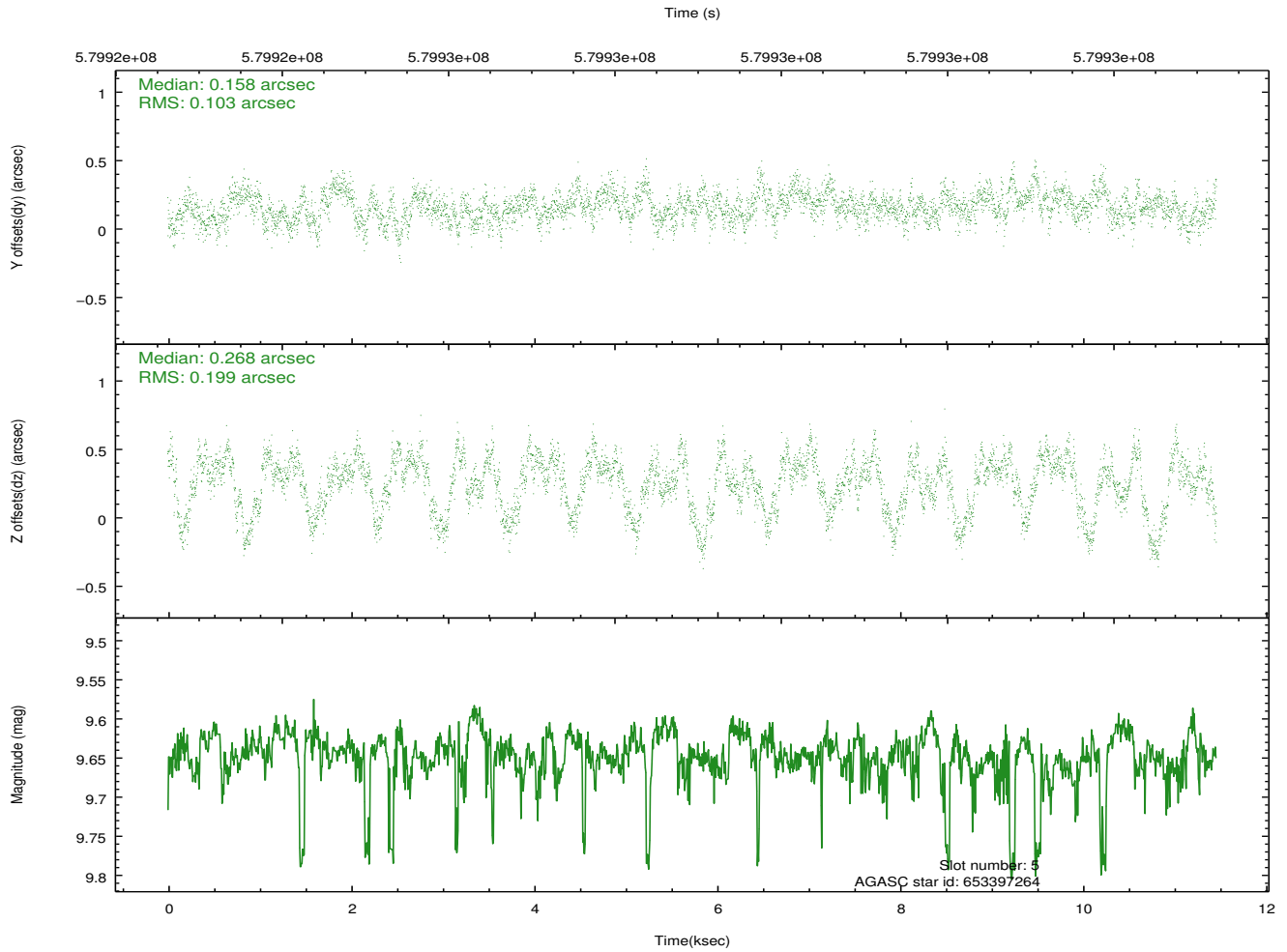
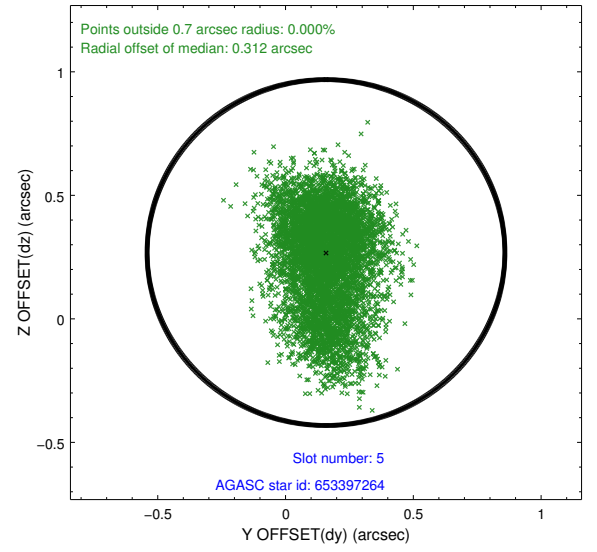
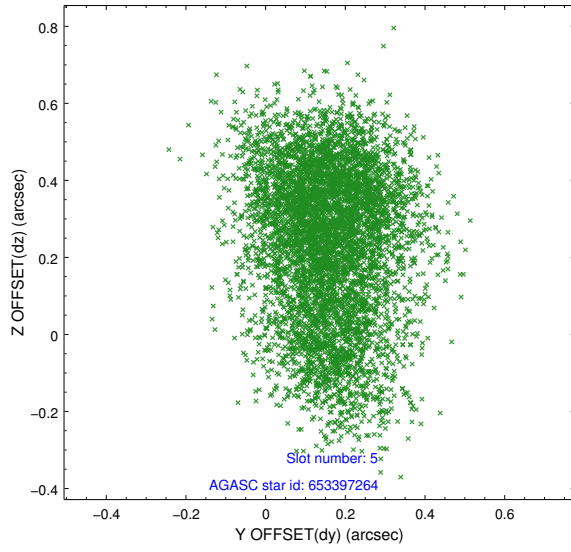
2.4.1 Slot 3



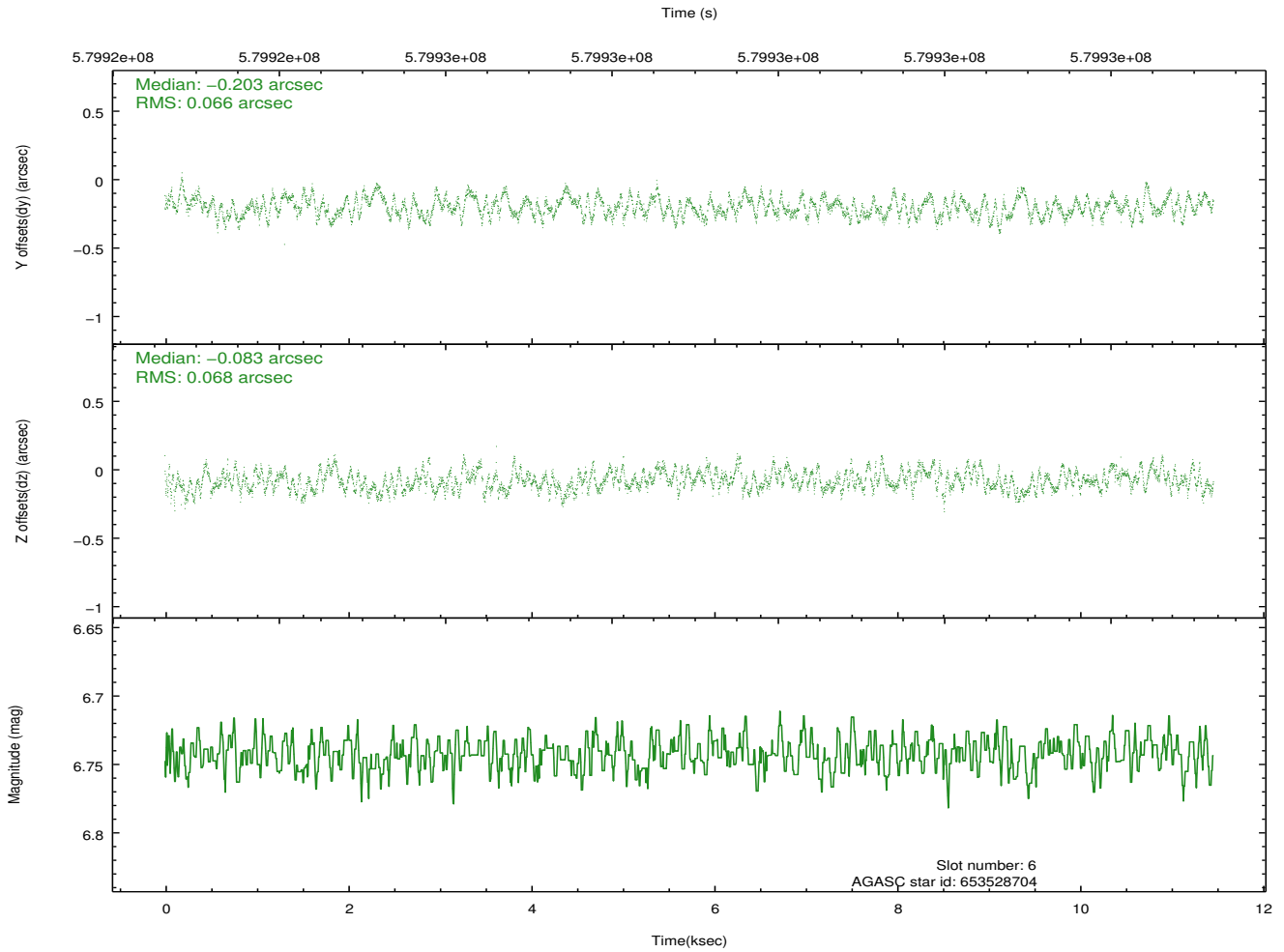
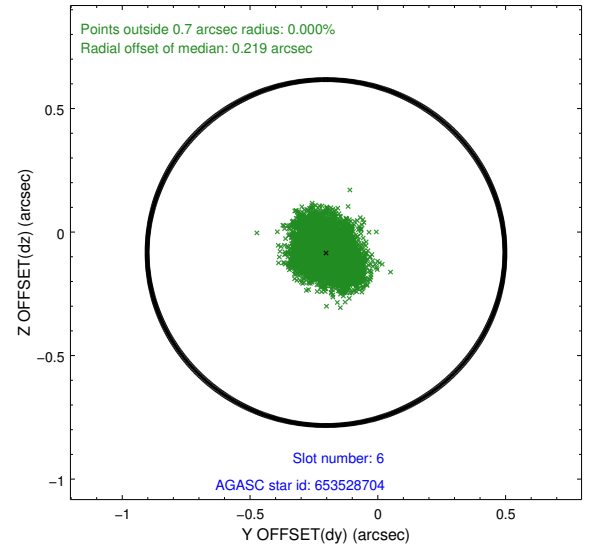
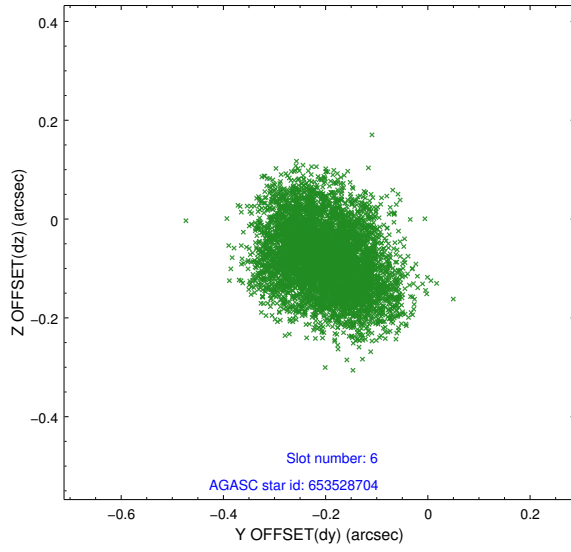
2.4.2 Slot 4



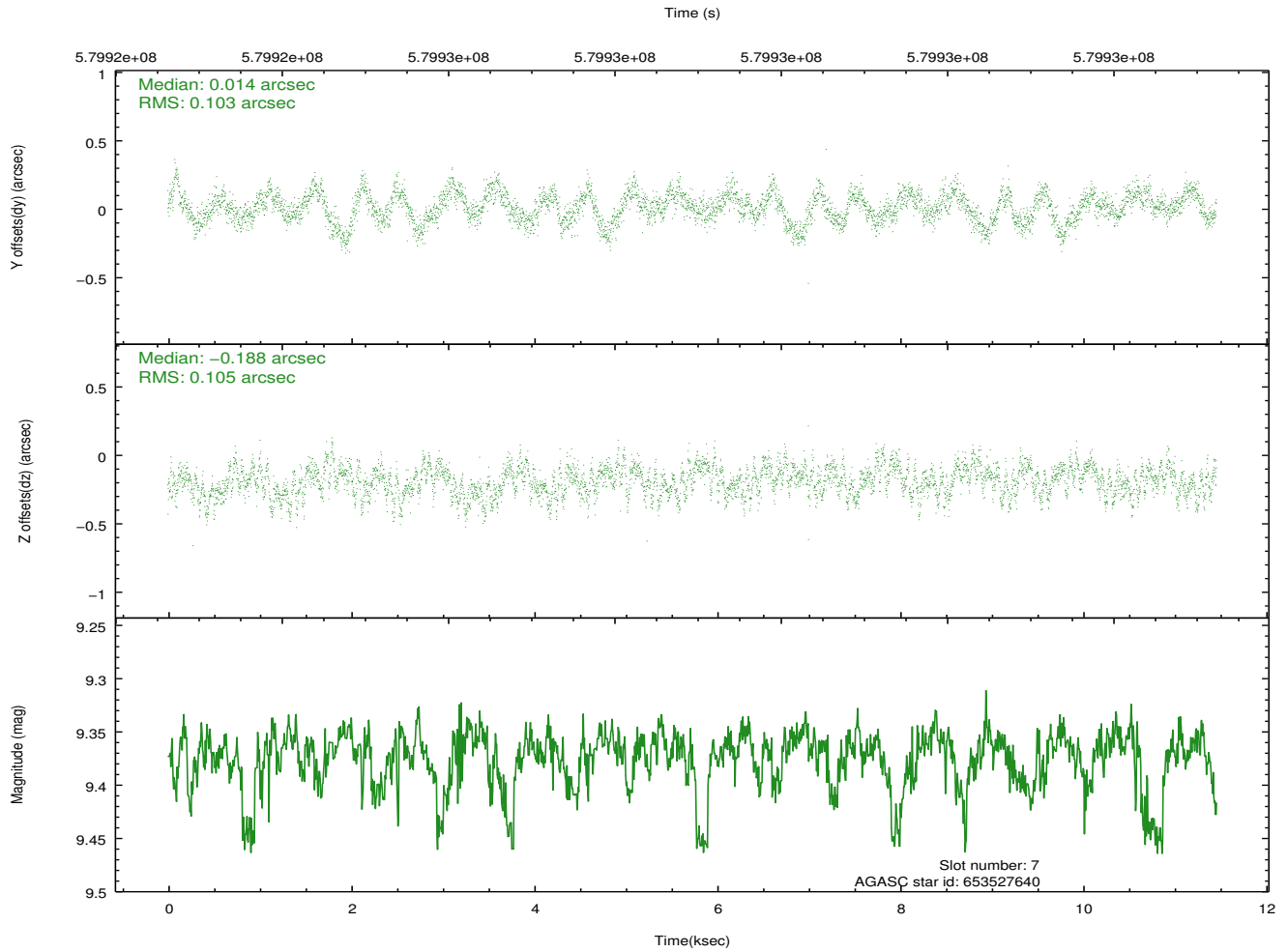
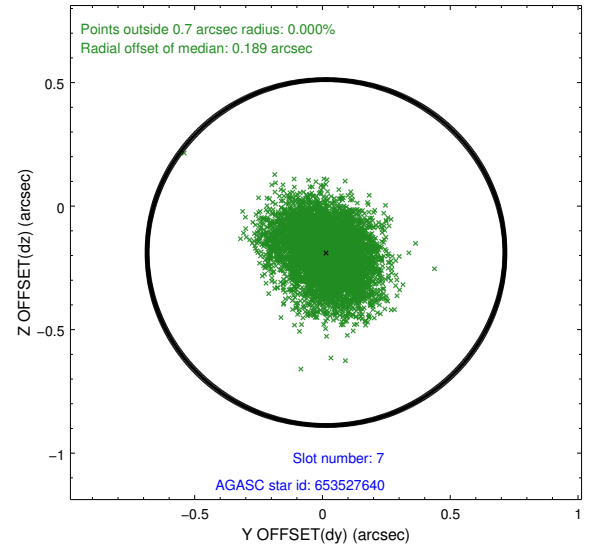
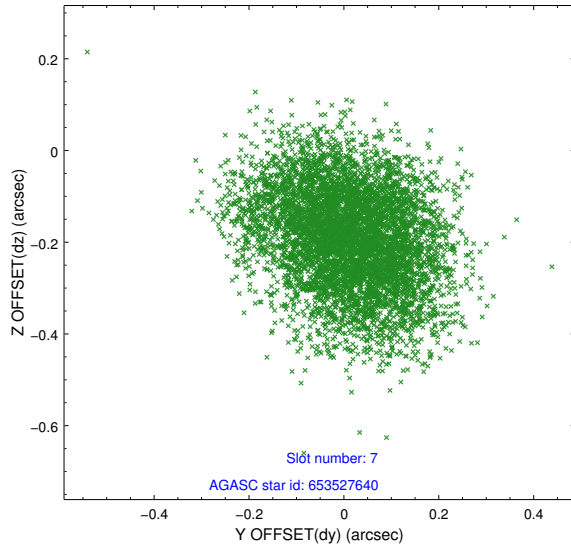
2.4.3 Slot 5



2.4.4 Slot 6

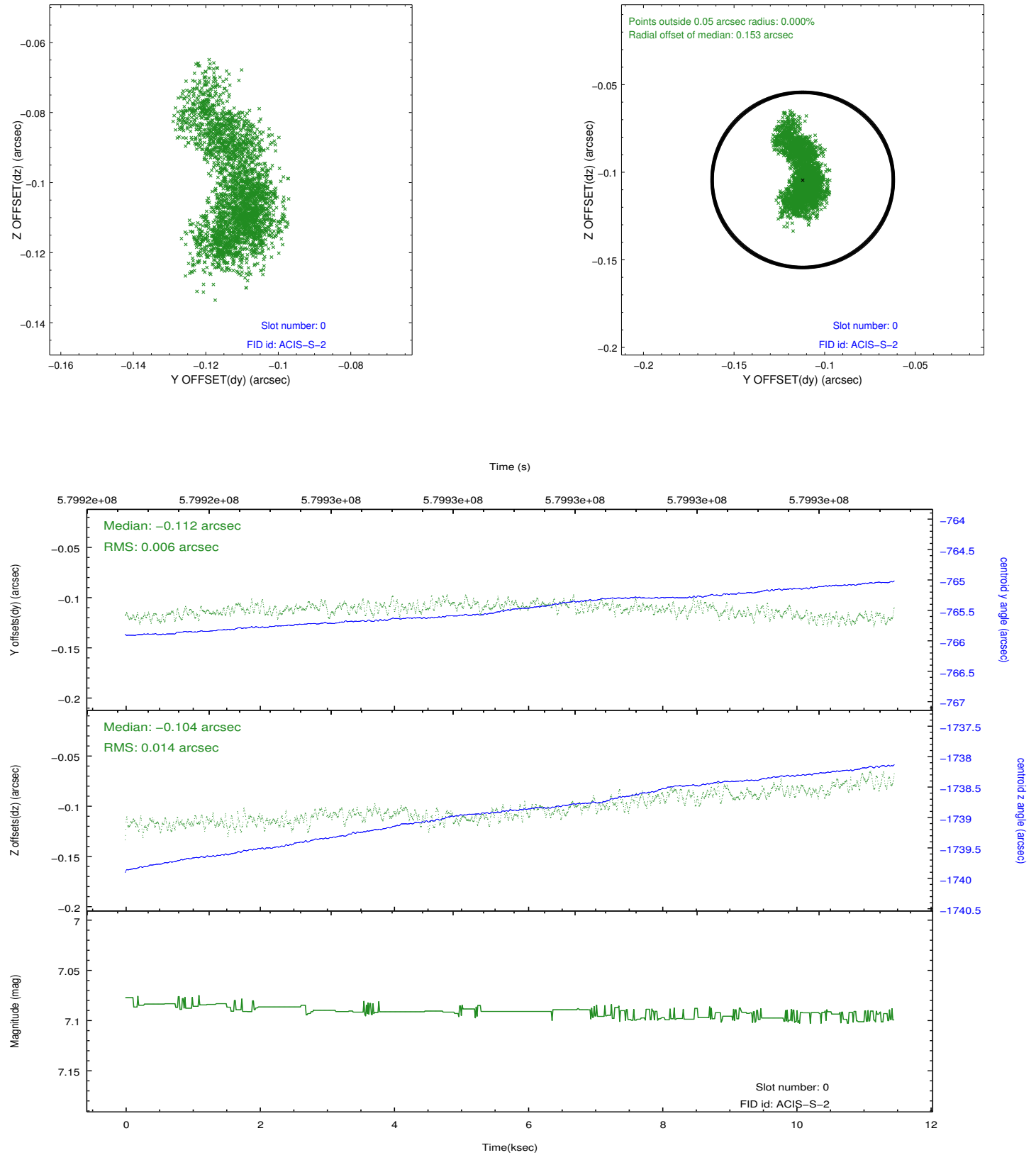


2.4.5 Slot 7

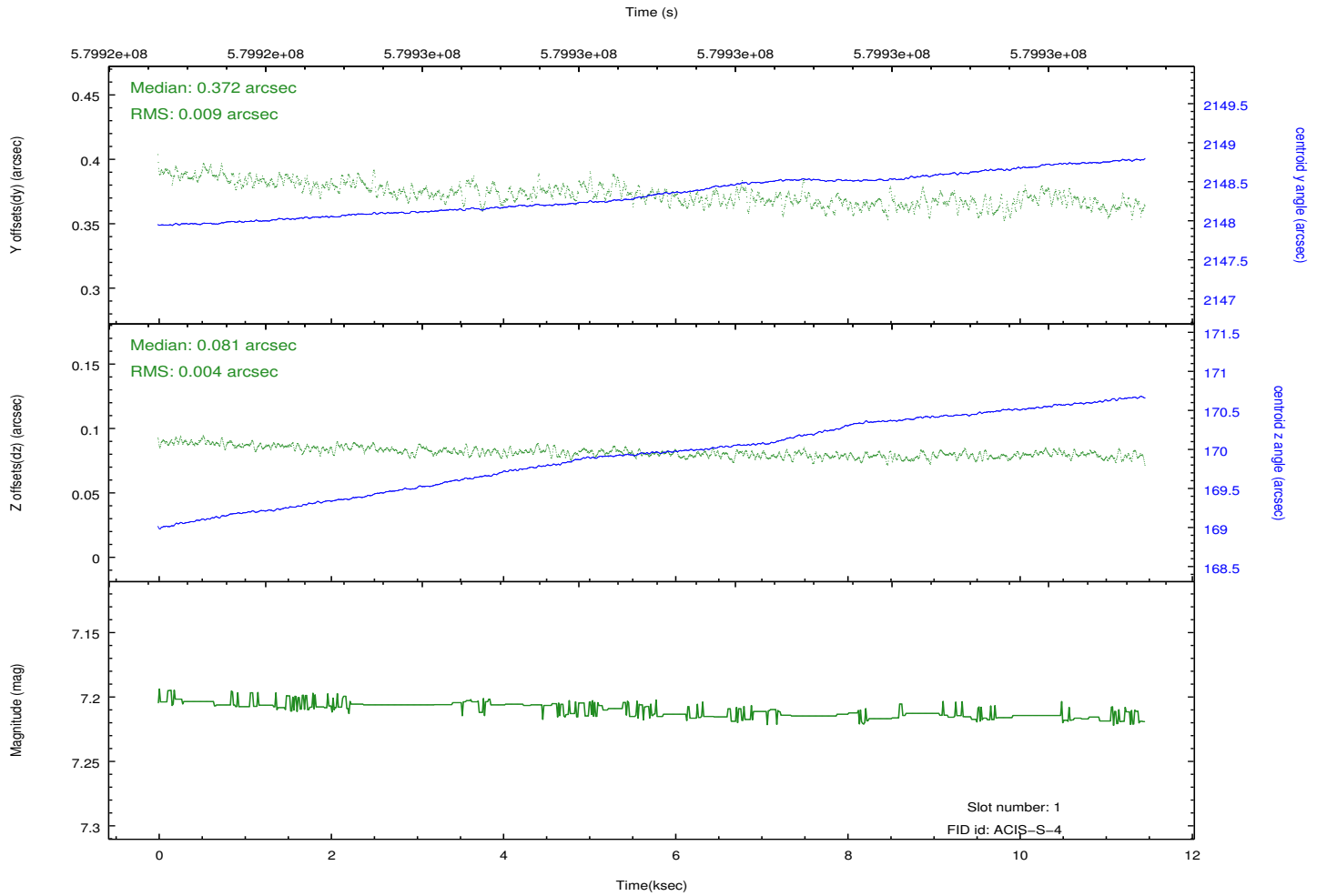
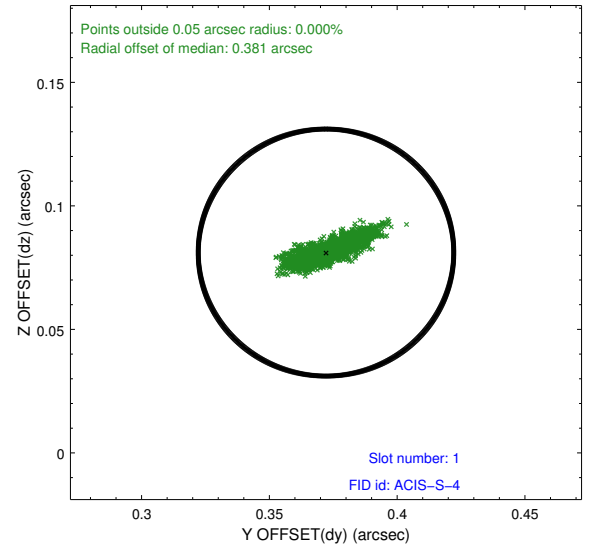
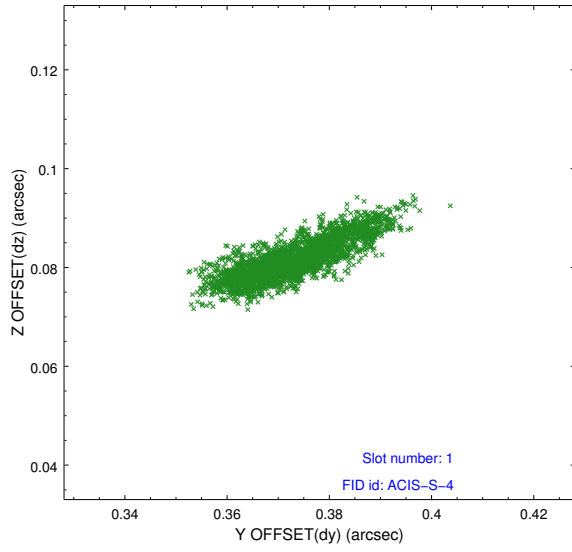


2.5 FID Slots

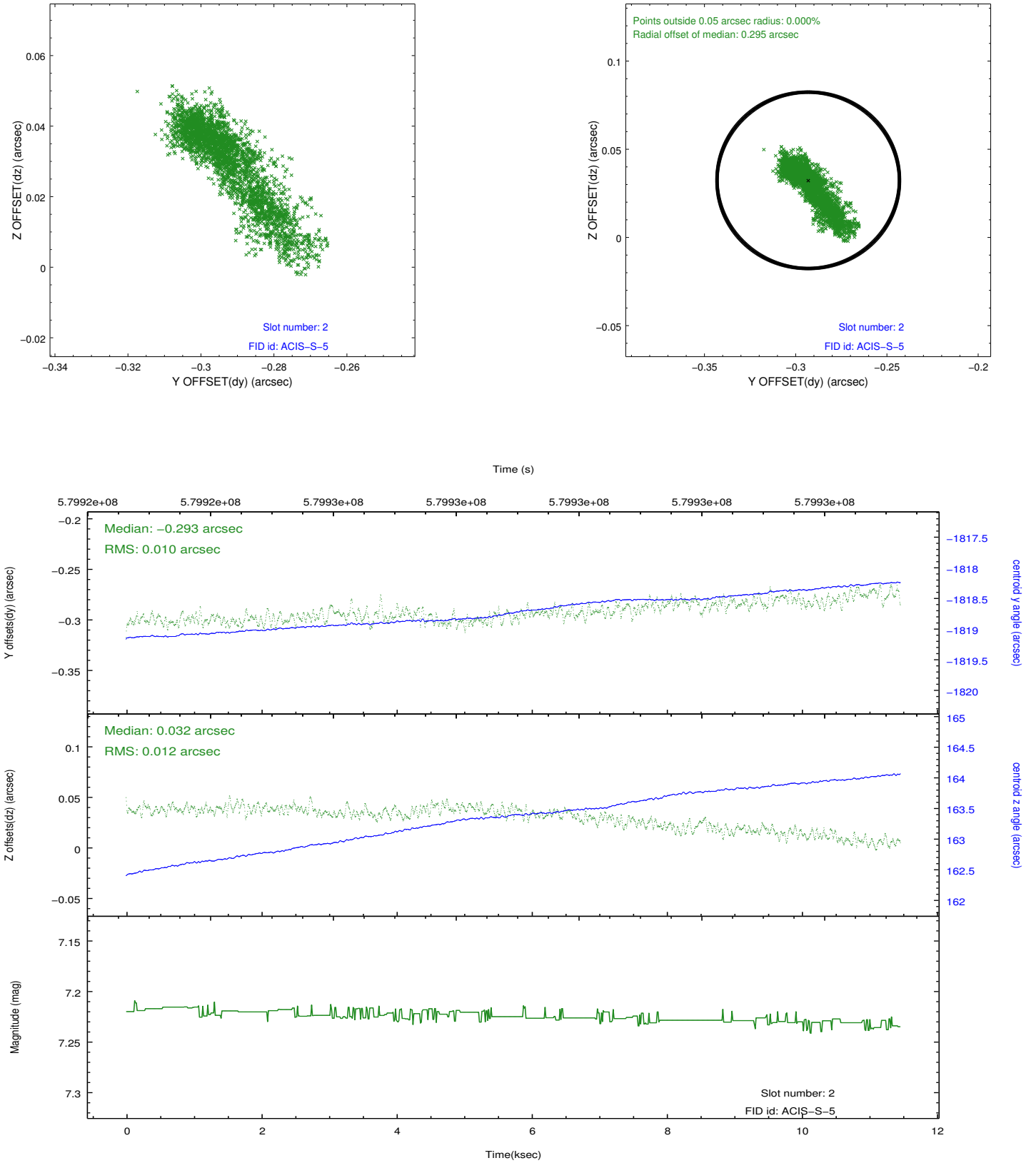
2.5.1 Slot 0



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)	2016.05.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.81280008328

A.2 Comments