

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19729 - L2 Version 1
Chandra X-Ray Center

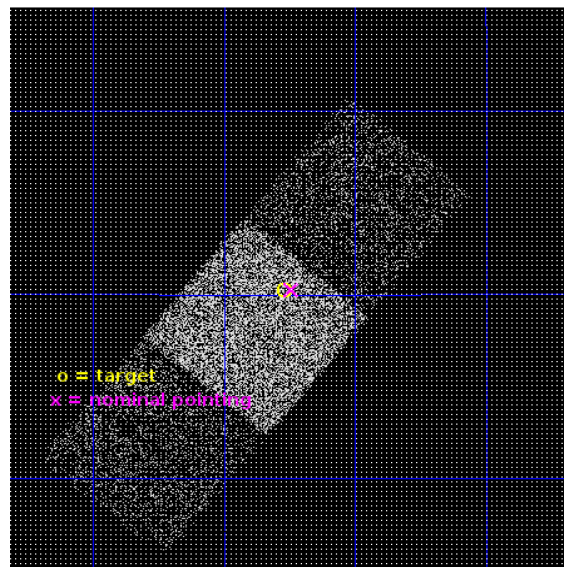
L2 Processing Date : Sep 25 2017

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1 Front

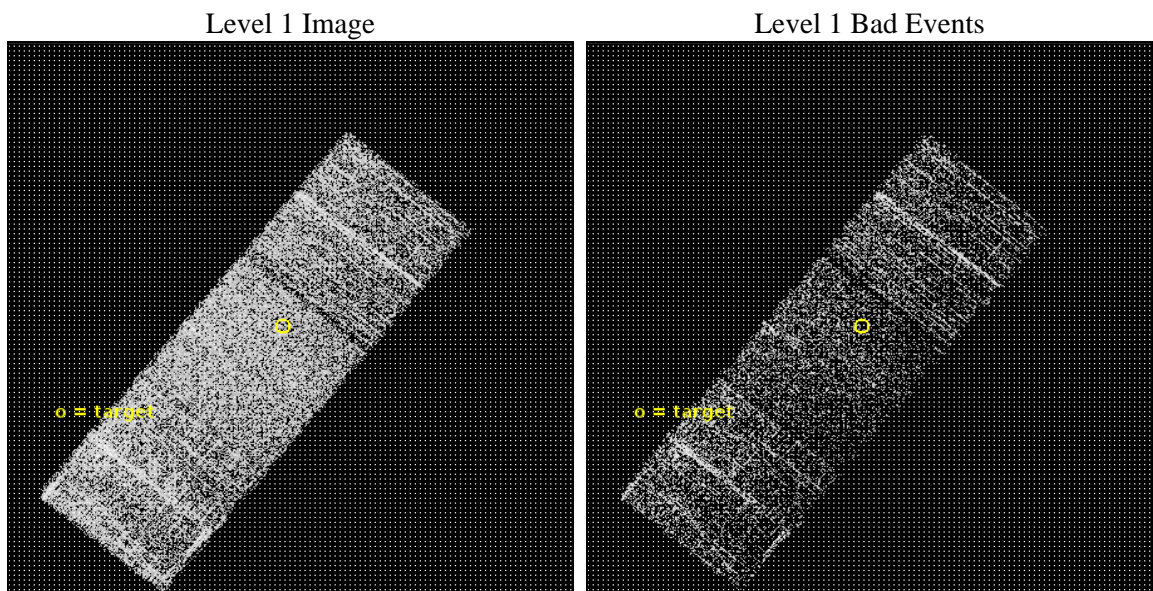
seq_num	703444	Sequence number
obs_id	19729	Observation id
title	A Chandra Snapshot Survey of Extraordinarily Luminous and Heavily Obscured Quasars from the WISE Survey	Proposal title
observer	Gordon Garmire	Principal investigator
object	W0149+2350	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	27.4425	Observer's specified target RA [deg]
dec_targ	23.837389	Observer's specified target Dec [deg]
ra_nom	27.435613582812	Nominal RA [deg]
dec_nom	23.837797064035	Nominal Dec [deg]
roll_nom	129.20589269172	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3111.4962016344	Sum of GTIs [s]
livetime	3070.8422131099	Livetime [s]
ontime6	3108.3140913248	Sum of GTIs [s]
ontime7	3111.4962016344	Sum of GTIs [s]
ontime8	3111.4141216278	Sum of GTIs [s]
l2events	15179	Number of level 2 events



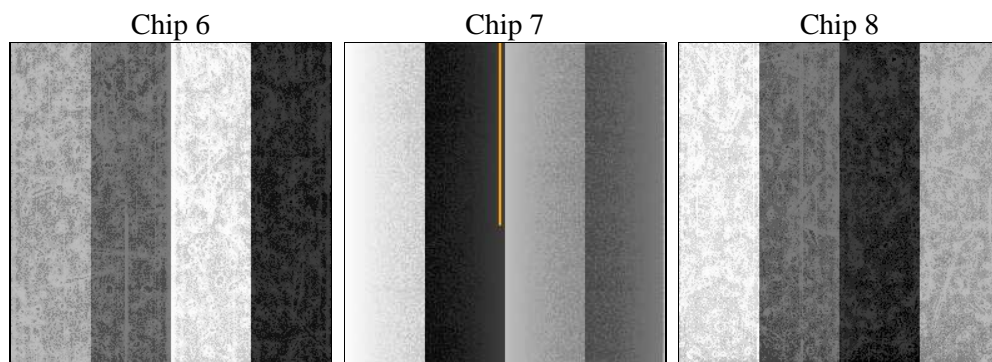
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	10.6	Processing system revision	ontime	3111.4962016344	Sum of GTIs [s]
caldsver	4.7.6	 	ontime6	3108.3140913248	Sum of GTIs [s]
date	2017-09-25T14:01:45	Date and time of file creation	ontime7	3111.4962016344	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	3111.4141216278	Sum of GTIs [s]
			l1events	72958	Number of level 1 events

2.1.4 Events

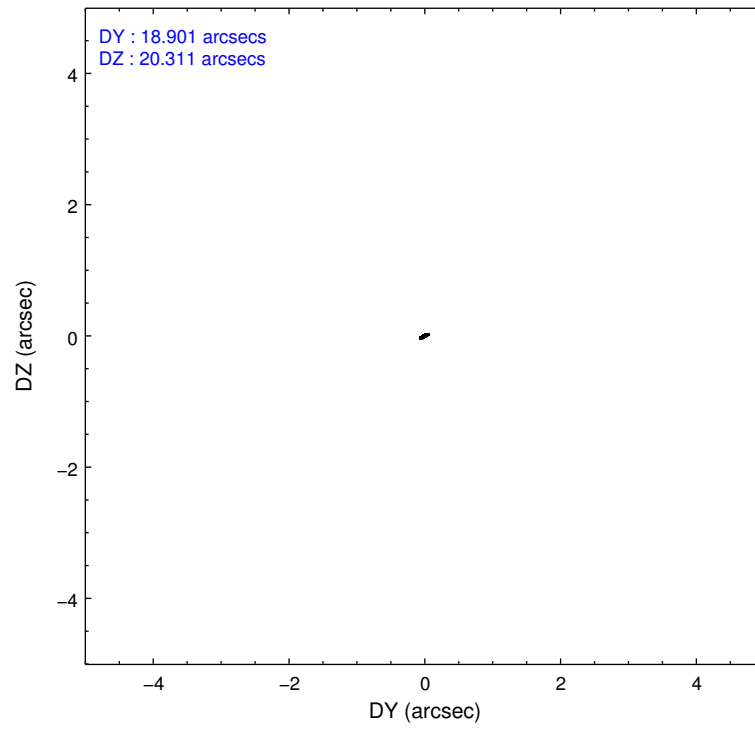
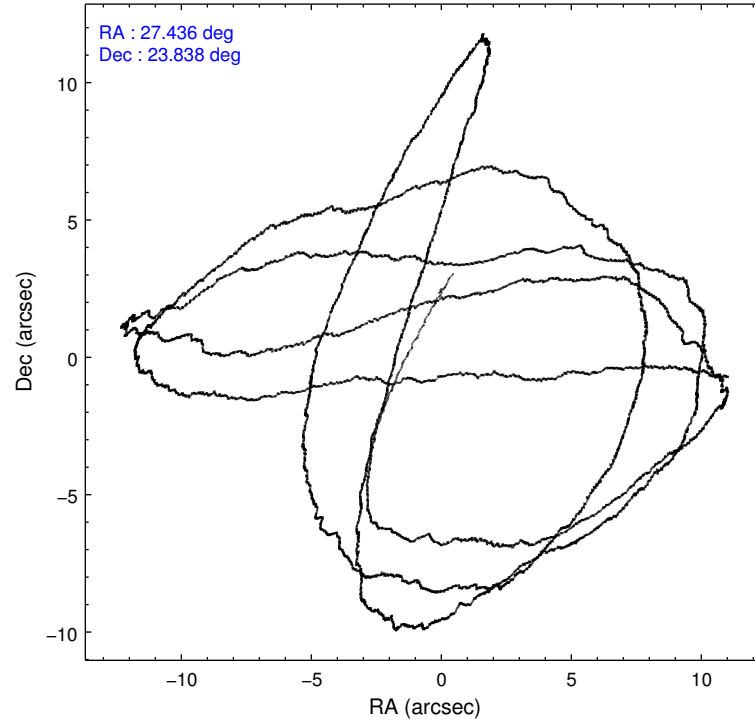
	ccd 6	ccd 7	ccd 8
level 1 events	20627	25939	26392
rejected events	18307	14658	19415
rejected %	88%	56%	73%

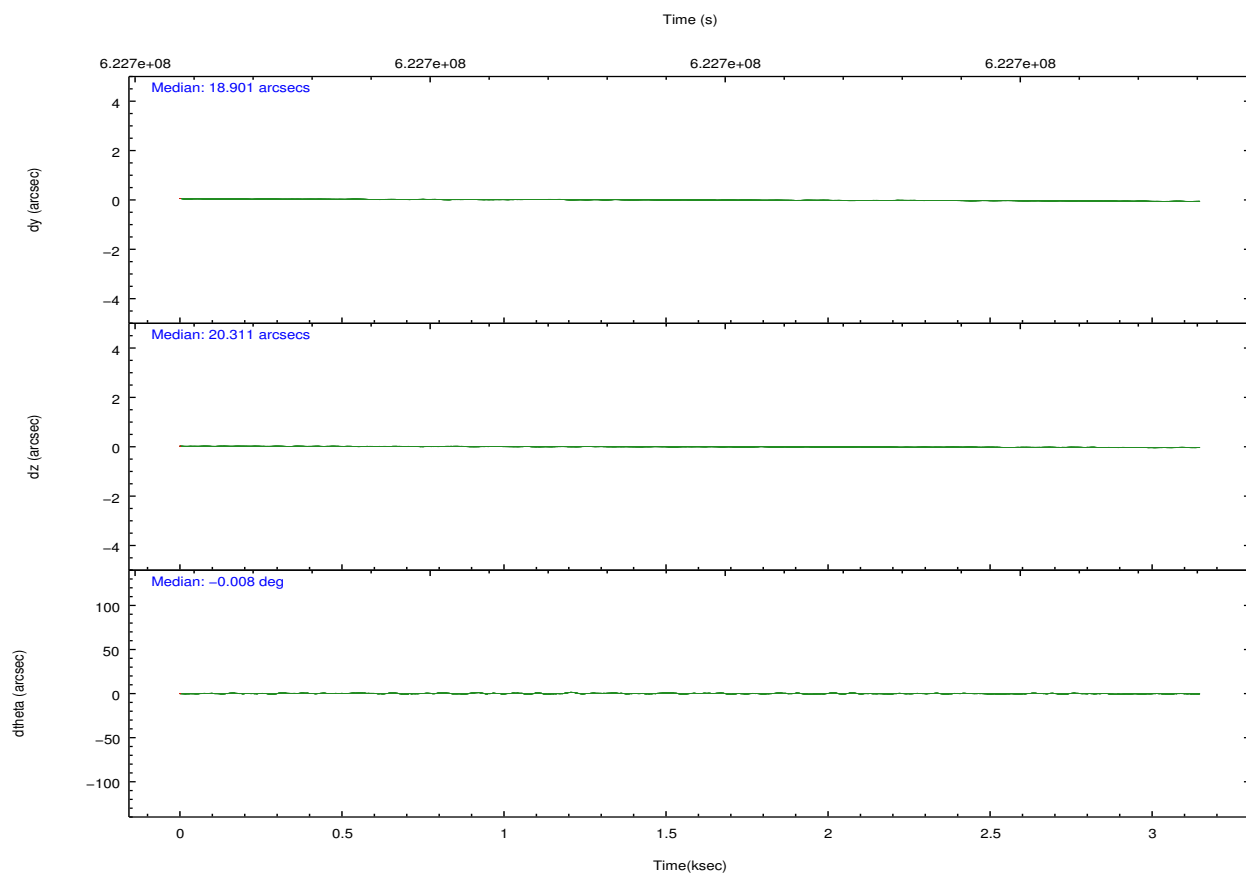
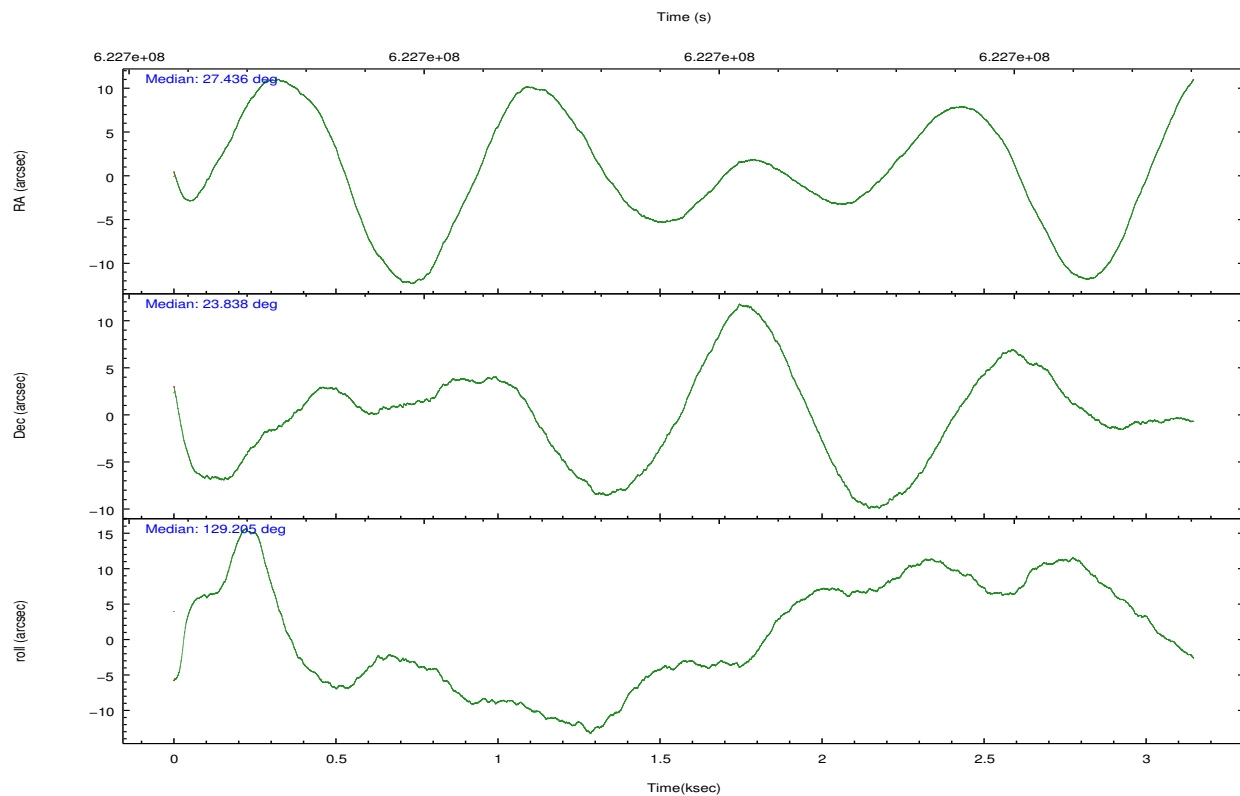
	ccd 6	ccd 7	ccd 8
grade 0 events	756	963	1988
	3%	3%	7%
grade 1 events	13	39	17
	0%	0%	0%
grade 2 events	537	2323	1687
	2%	8%	6%
grade 3 events	218	932	739
	1%	3%	2%
grade 4 events	223	922	696
	1%	3%	2%
grade 5 events	1008	2679	1484
	4%	10%	5%
grade 6 events	588	6153	1872
	2%	23%	7%
grade 7 events	17284	11928	17909
	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	27.463817	27.43561358281241	Subarray requested	NONE	NONE
[deg] Pointing Dec	23.828451	23.83779706403465	Alternating exposures requested	N	N
[deg] Pointing Roll	129.037882	129.2058926917184	[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)	622697447.184000	622696499.63104			
Observation start date	2017-09-25T03:29:38	2017-09-25T03:14:59			
[s] Observation end time (MET)	622700447.184000	622700982.4687999			
Observation end date	2017-09-25T04:19:38	2017-09-25T04:29:42			
Read mode	TIMED	TIMED			

2.3 Aspect



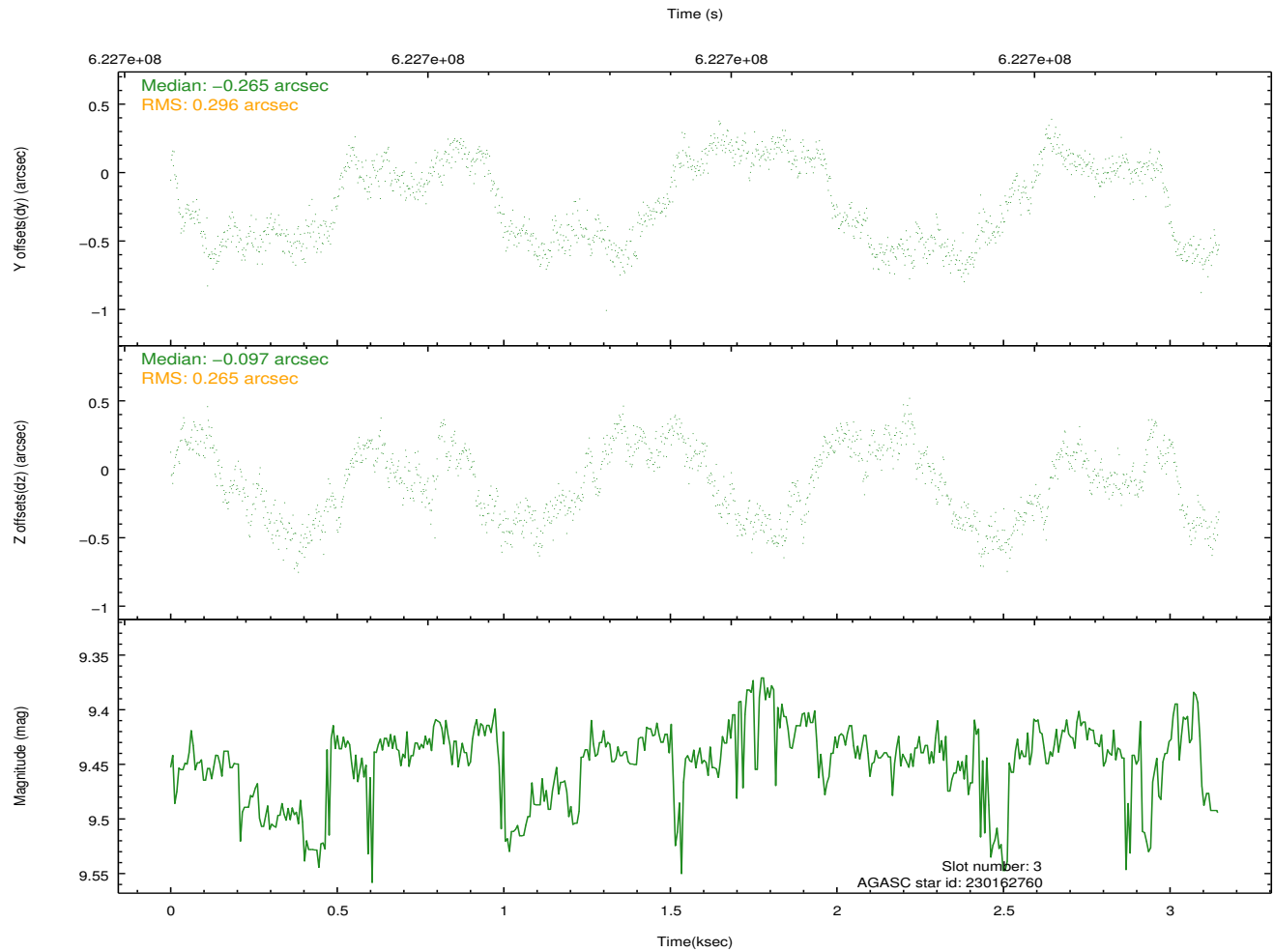
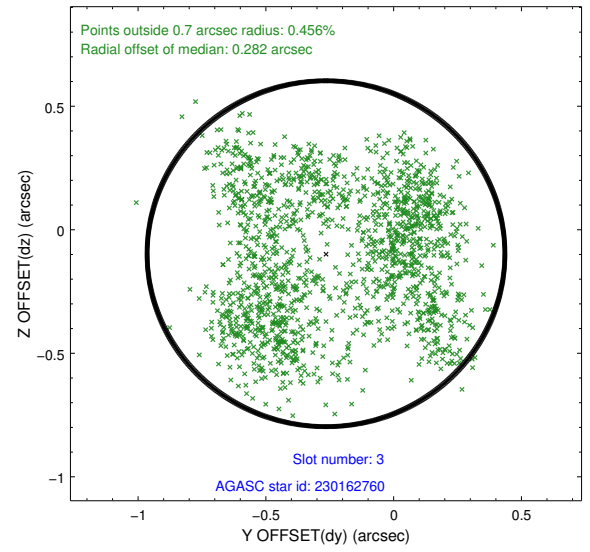
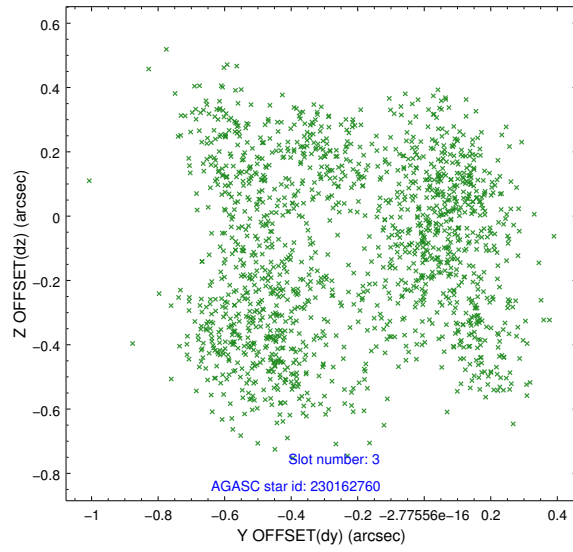


Slot Statistics

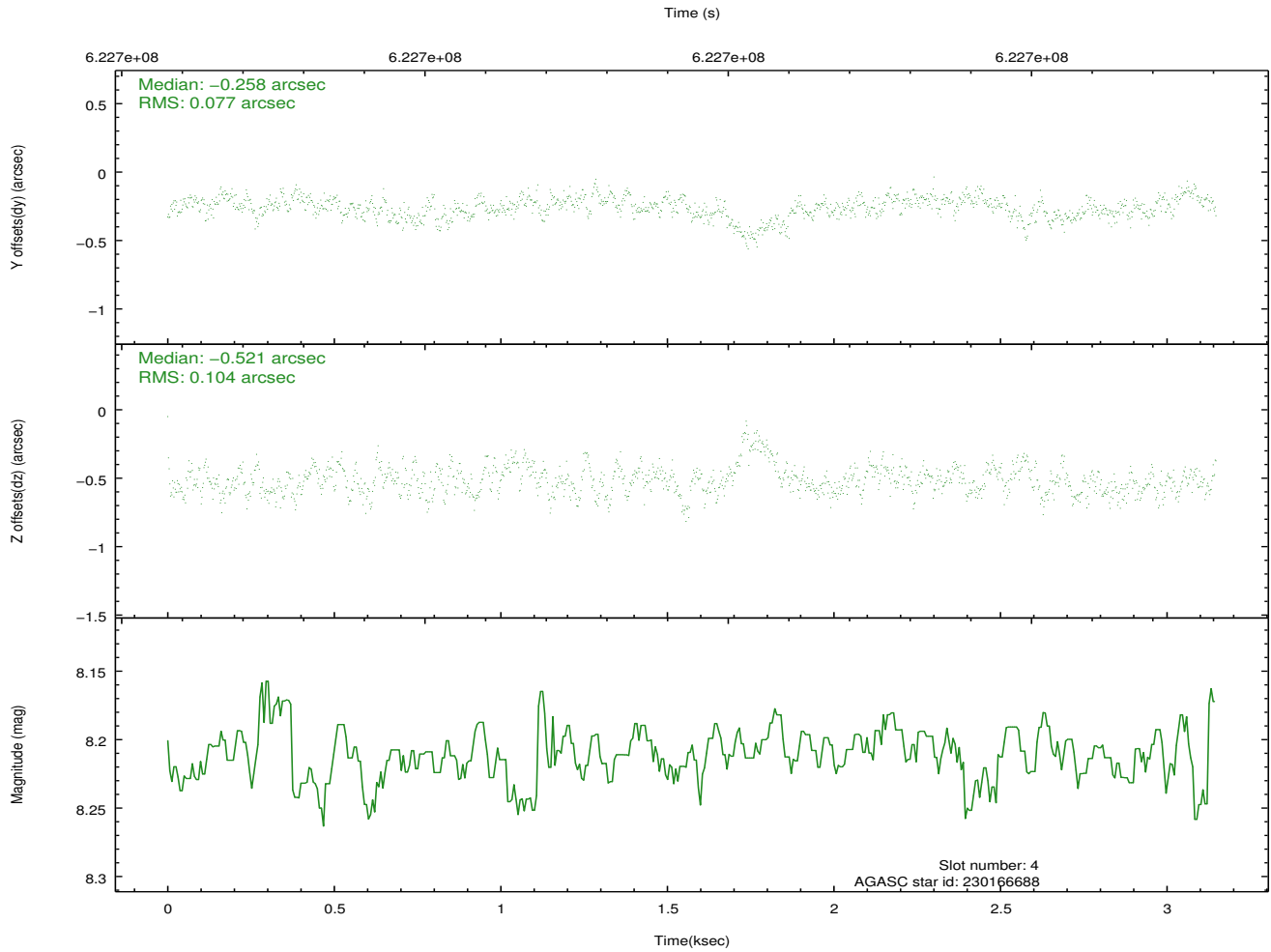
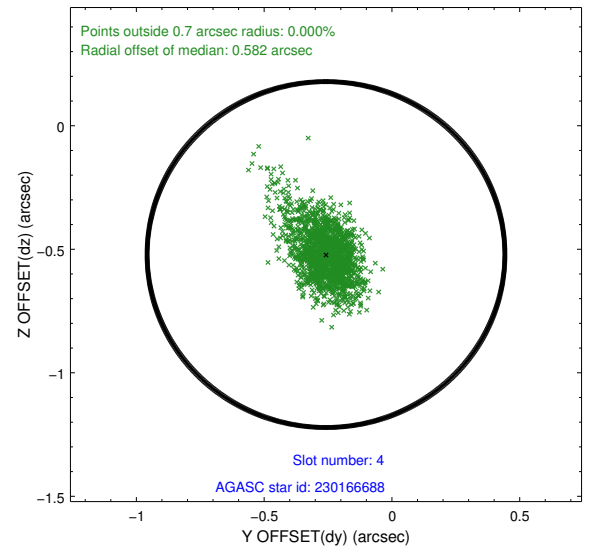
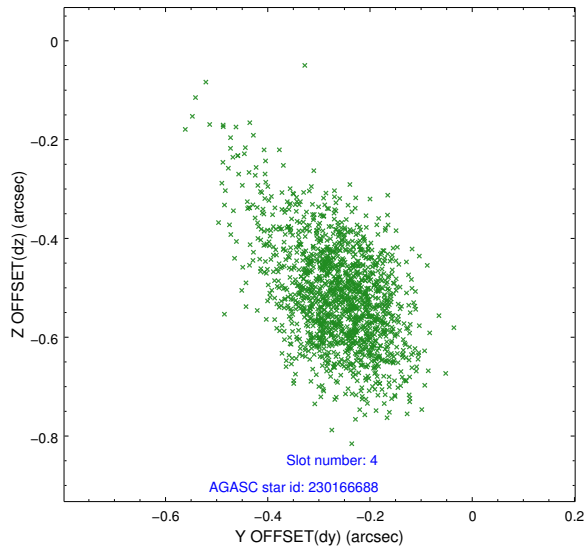
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.13	767	0.025	-0.087	0.007	0.011	0.000000	0.000000	924.15	-1737.51
1	FID		ACIS-S-4	7.17	768	0.409	0.053	0.006	0.010	0.000000	0.000000	2142.98	164.73
2	FID		ACIS-S-5	7.15	768	-0.461	0.046	0.005	0.011	0.000000	0.000000	-1822.69	160.45
3	GUIDE	used	230162760	9.44	1534	-0.265	-0.097	0.441	0.593	27.301464	24.468891	2126.33	-1039.06
4	GUIDE	used	230166688	8.21	1535	-0.258	-0.521	0.127	0.230	27.214718	23.985155	956.65	279.95
5	GUIDE	used	230173464	9.86	1532	-0.058	-0.145	0.236	0.361	27.488614	23.131245	-2000.07	1517.29
6	GUIDE	used	230299232	9.41	1533	0.391	0.415	0.191	0.304	28.041514	23.938771	-886.32	-1727.41
7	GUIDE	used	230309200	6.53	1535	0.163	0.357	0.214	0.323	28.043135	24.117348	-387.41	-2136.64

2.4 Star Slots

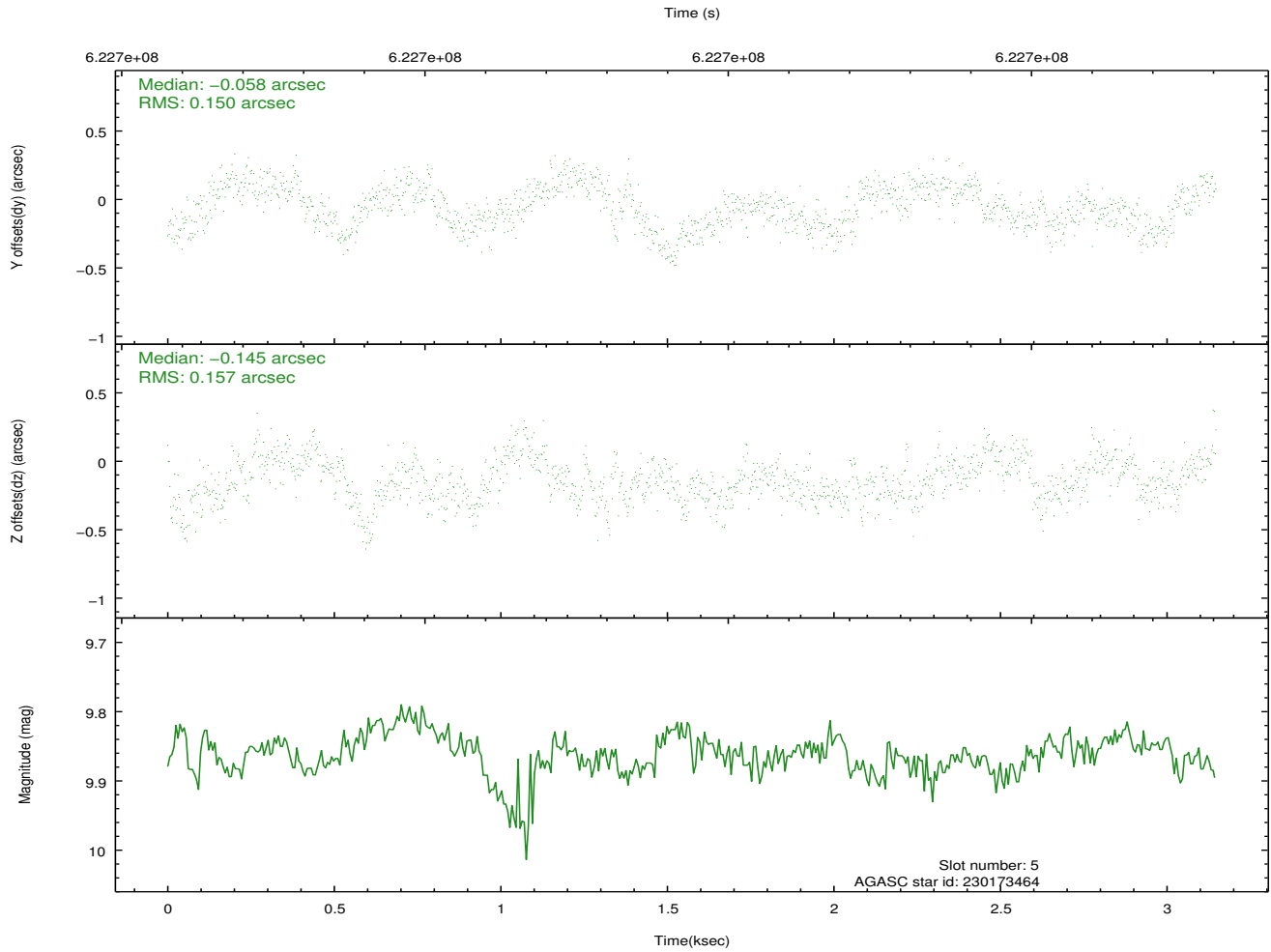
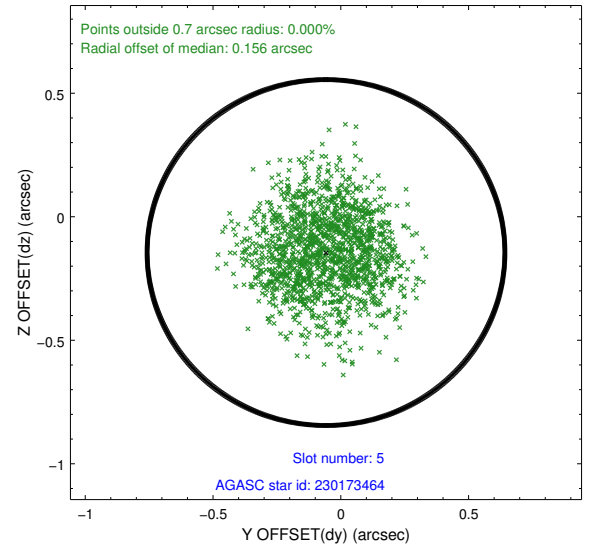
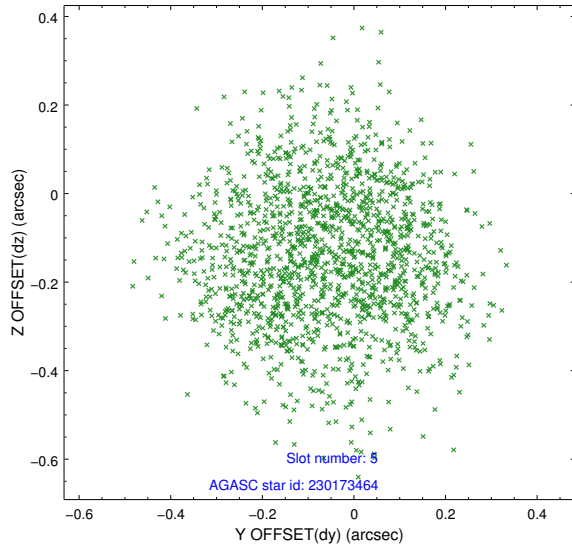
2.4.1 Slot 3



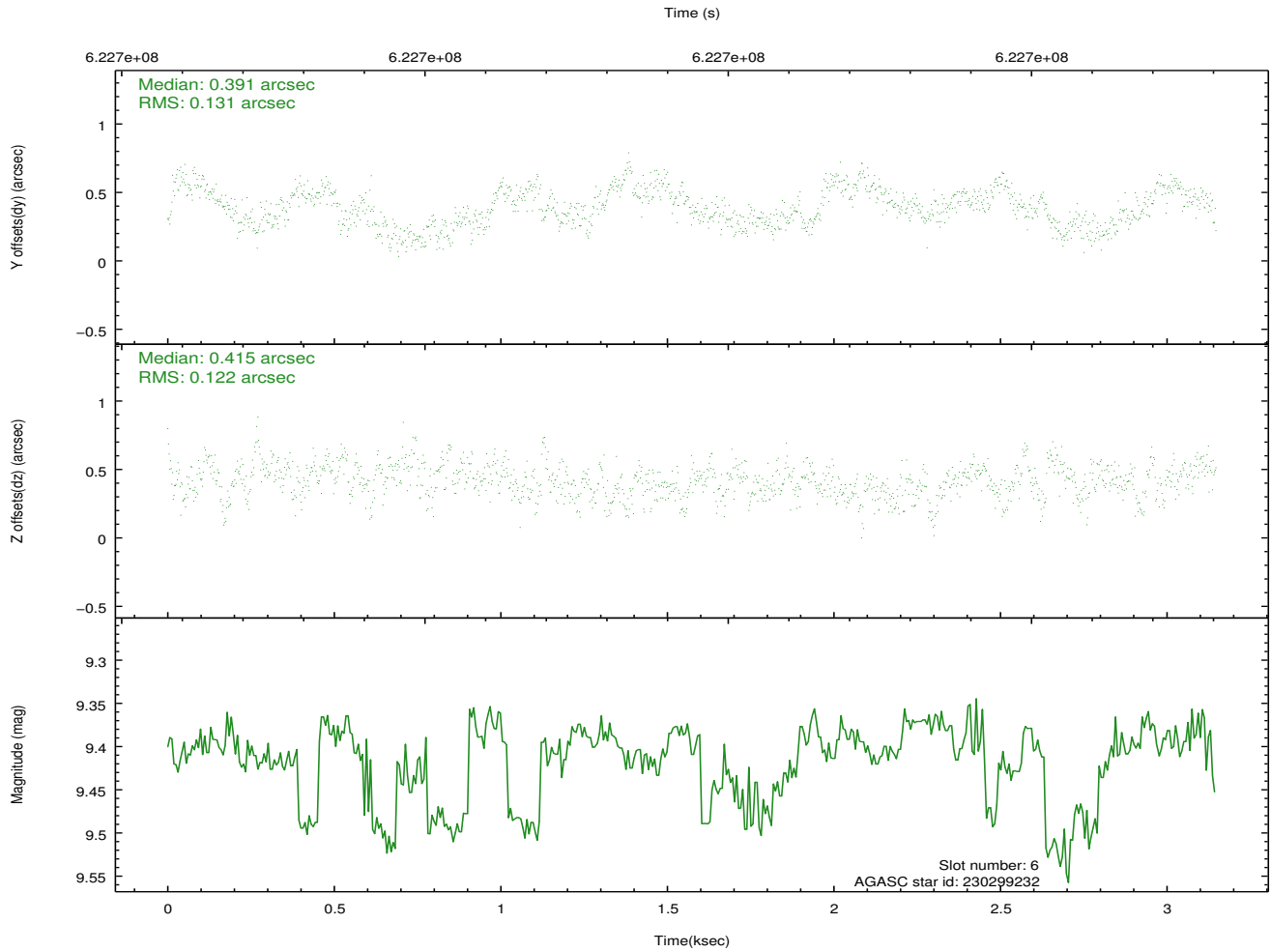
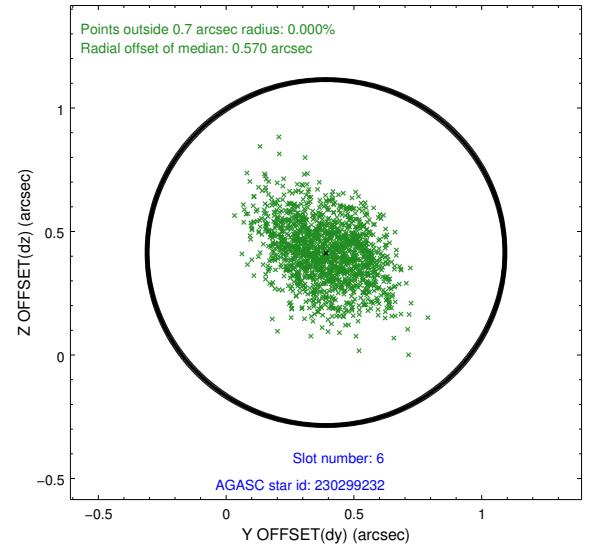
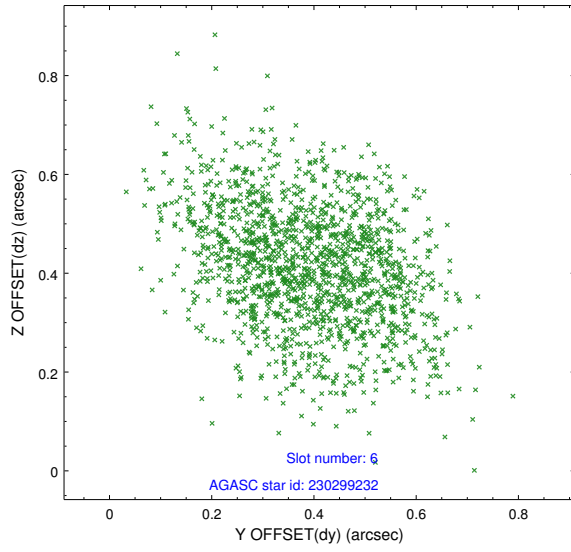
2.4.2 Slot 4



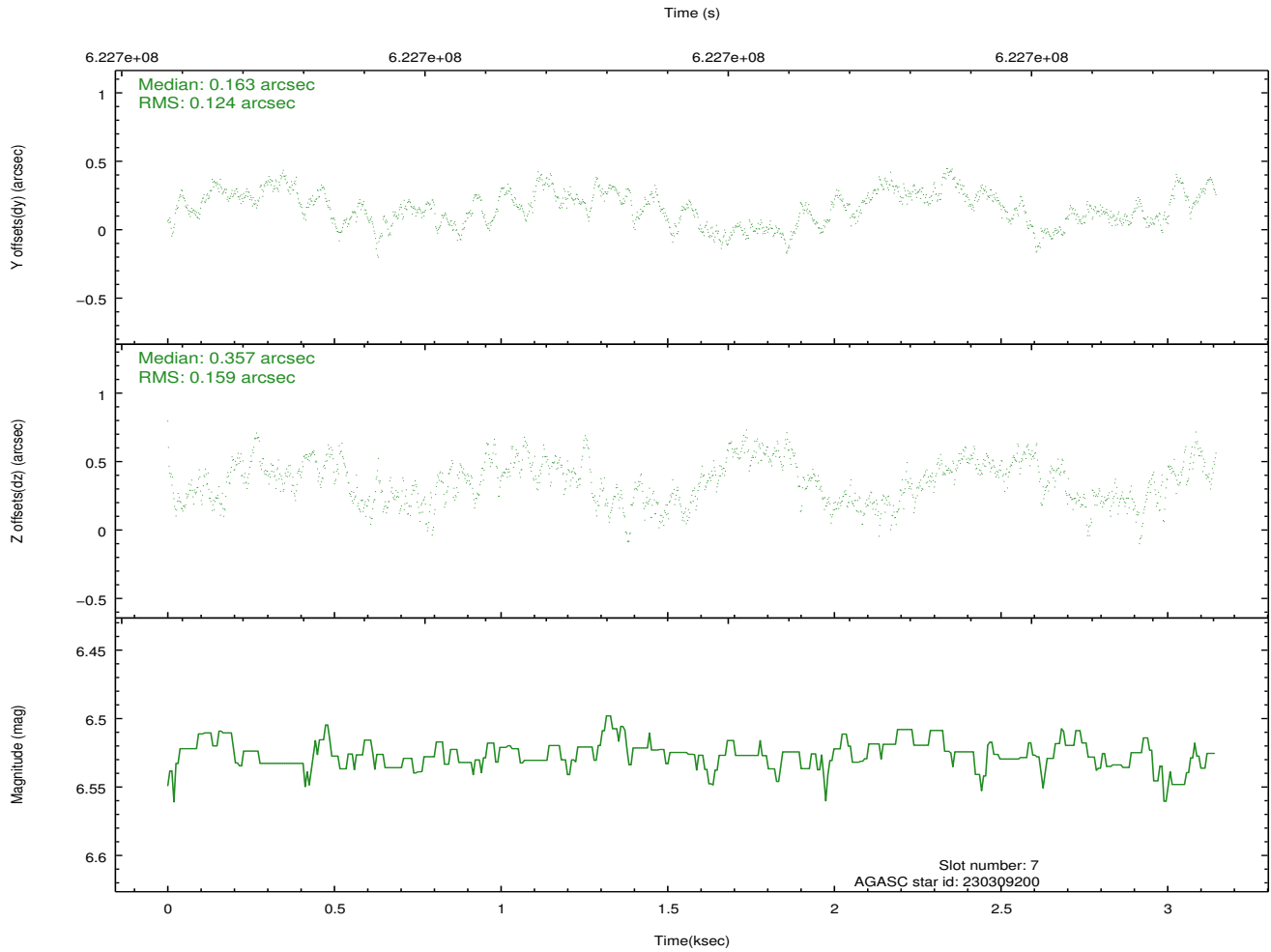
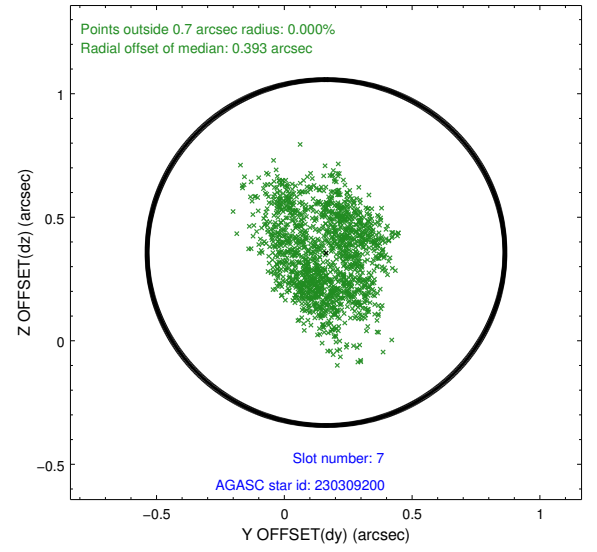
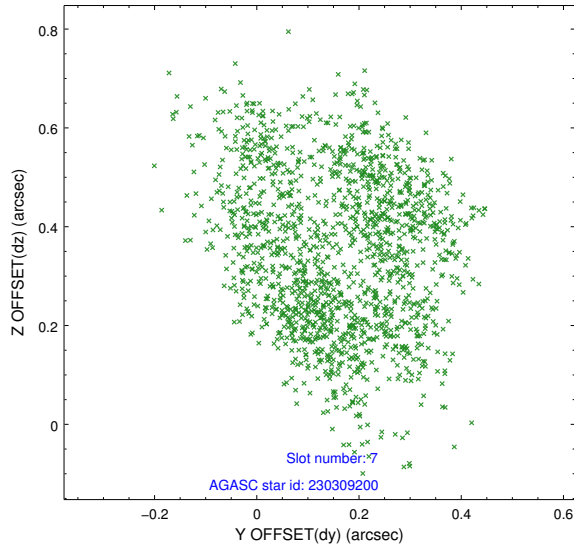
2.4.3 Slot 5



2.4.4 Slot 6

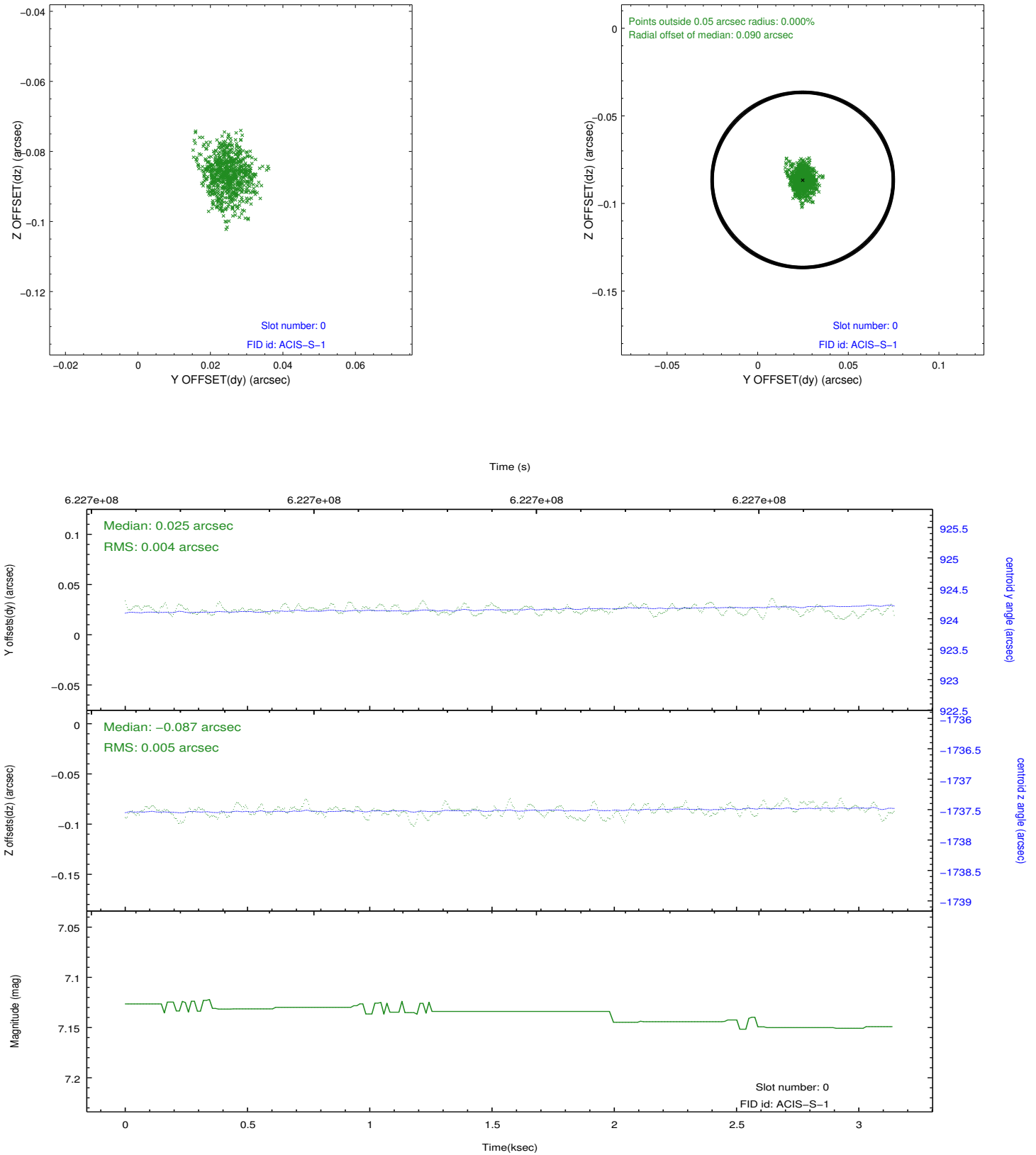


2.4.5 Slot 7

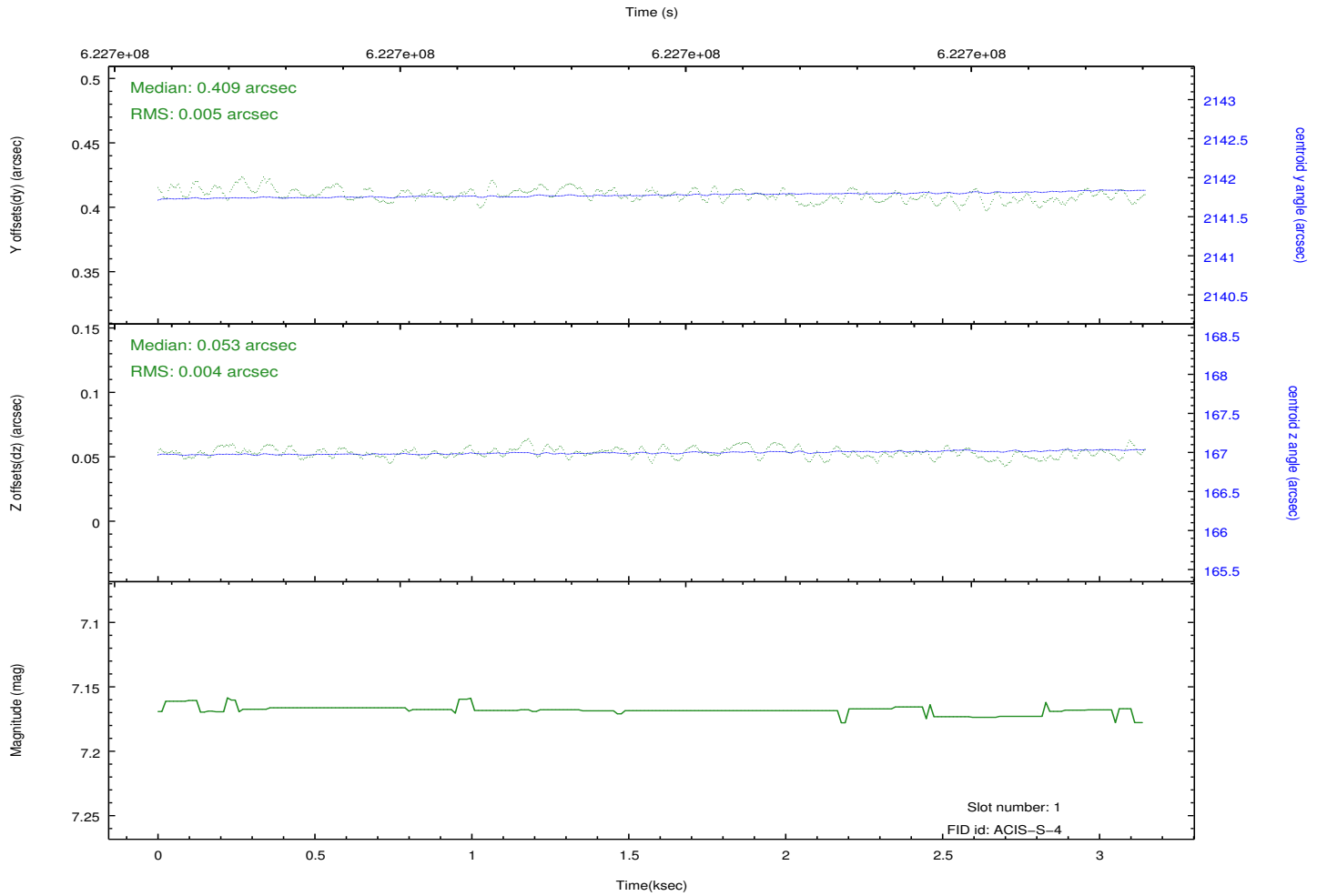
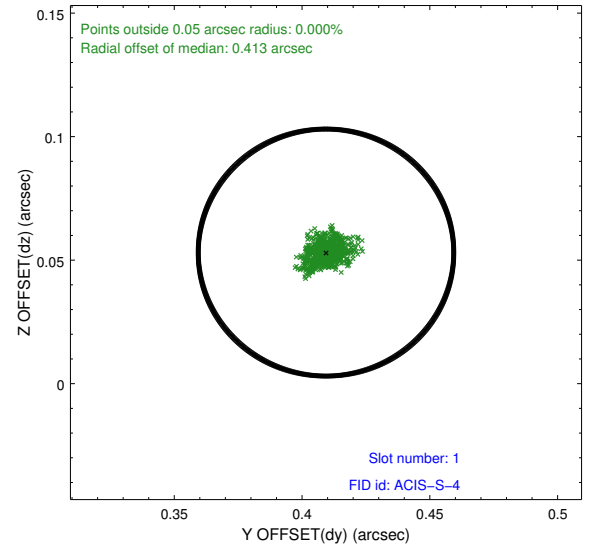
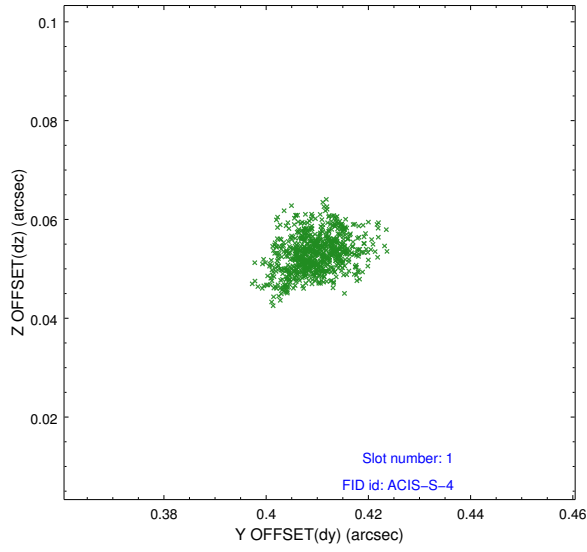


2.5 FID Slots

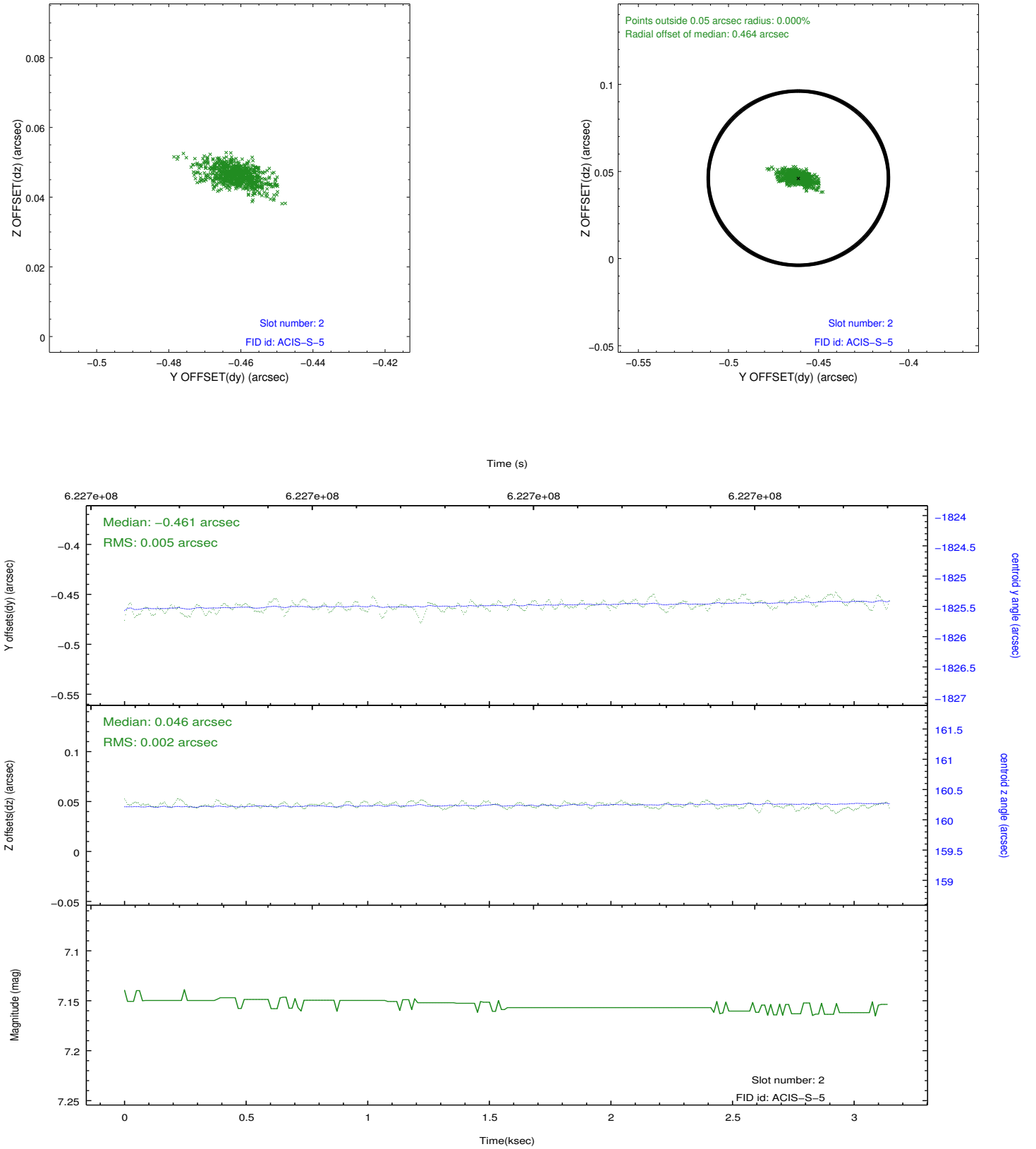
2.5.1 Slot 0



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)	2017.09.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1114962016344

A.2 Comments