

V&V Reference Report

L2 ASCDS Version : 10.5.2

Observation 19736 - L2 Version 1
Chandra X-Ray Center

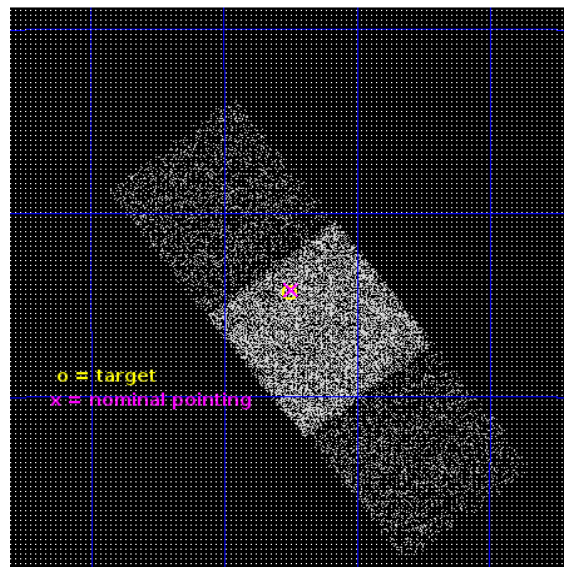
L2 Processing Date : Feb 5 2017

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1 Front

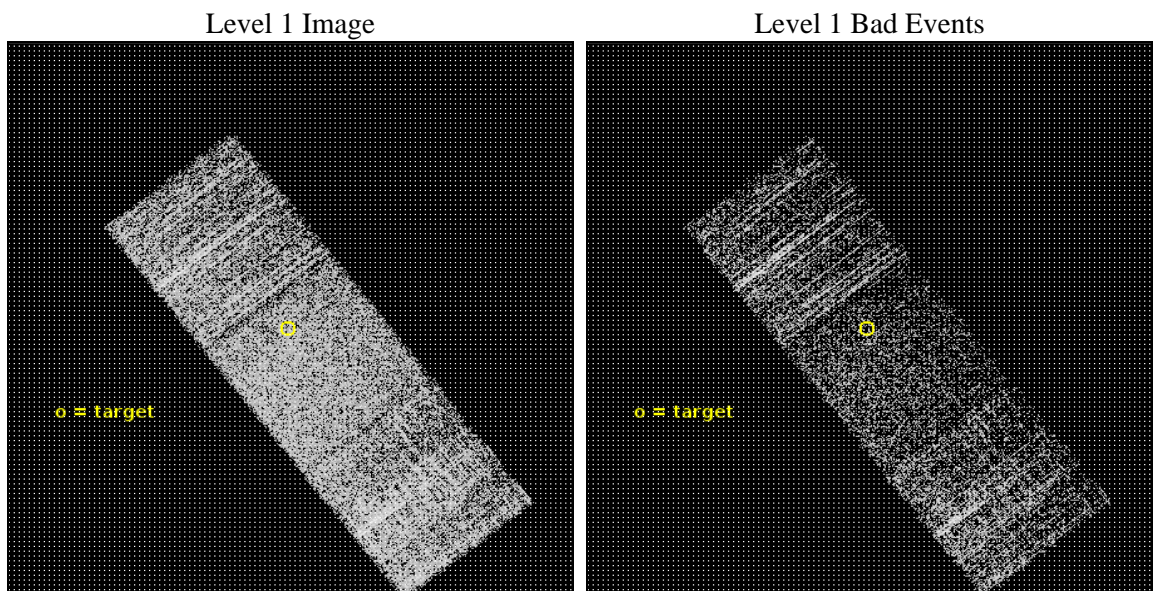
seq_num	703451	Sequence number
obs_id	19736	Observation id
title	A Chandra Snapshot Survey of Extraordinarily Luminous and Heavily Obscured Quasars from the WISE Survey	Proposal title
observer	Gordon Garmire	Principal investigator
object	W1248-2154	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	192.063333	Observer's specified target RA [deg]
dec_targ	-21.905667	Observer's specified target Dec [deg]
ra_nom	192.06144396952	Nominal RA [deg]
dec_nom	-21.902967199628	Nominal Dec [deg]
roll_nom	52.155899731883	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3108.9040052891	Sum of GTIs [s]
livetime	3068.2838857181	Livetime [s]
ontime6	3108.8629653454	Sum of GTIs [s]
ontime7	3108.9040052891	Sum of GTIs [s]
ontime8	3108.8219252825	Sum of GTIs [s]
l2events	16103	Number of level 2 events



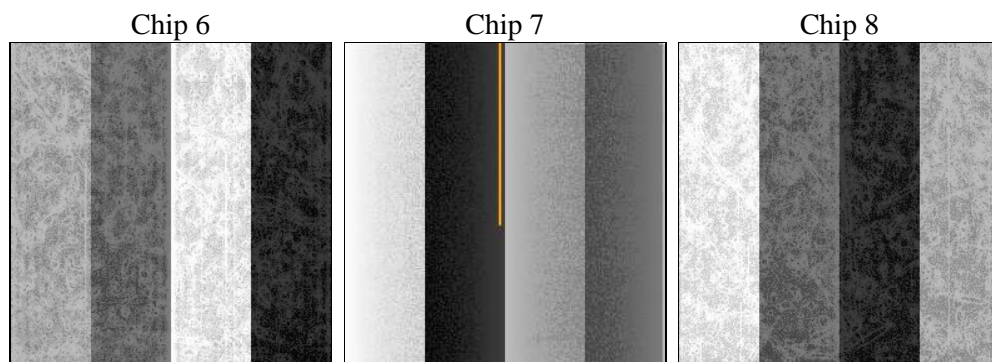
2 OBI

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	10.5.2	Processing system revision	ontime	3108.9040052891	Sum of GTIs [s]
caldsver	4.7.3	 	ontime6	3108.8629653454	Sum of GTIs [s]
date	2017-02-05T20:38:05	Date and time of file creation	ontime7	3108.9040052891	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	3108.8219252825	Sum of GTIs [s]
			l1events	81365	Number of level 1 events

2.1.4 Events

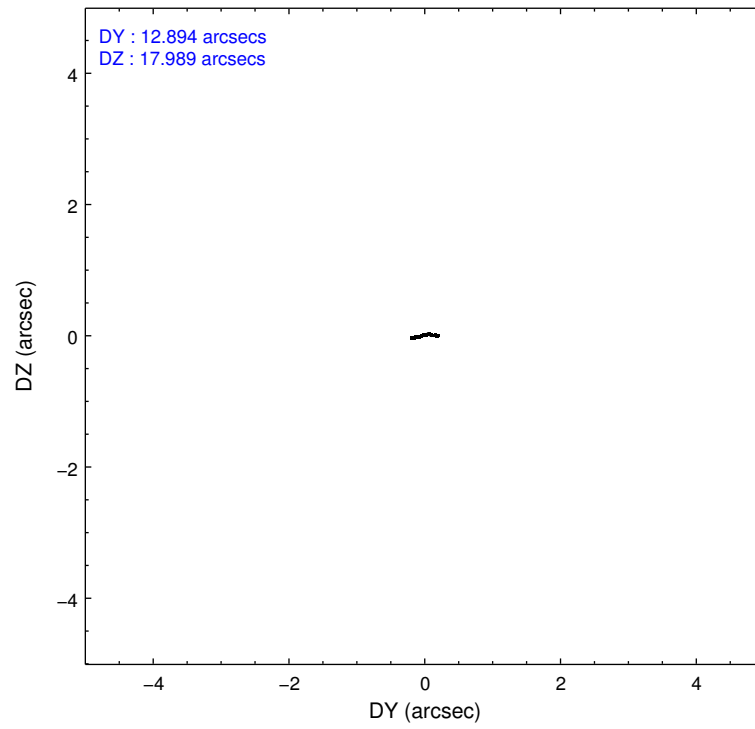
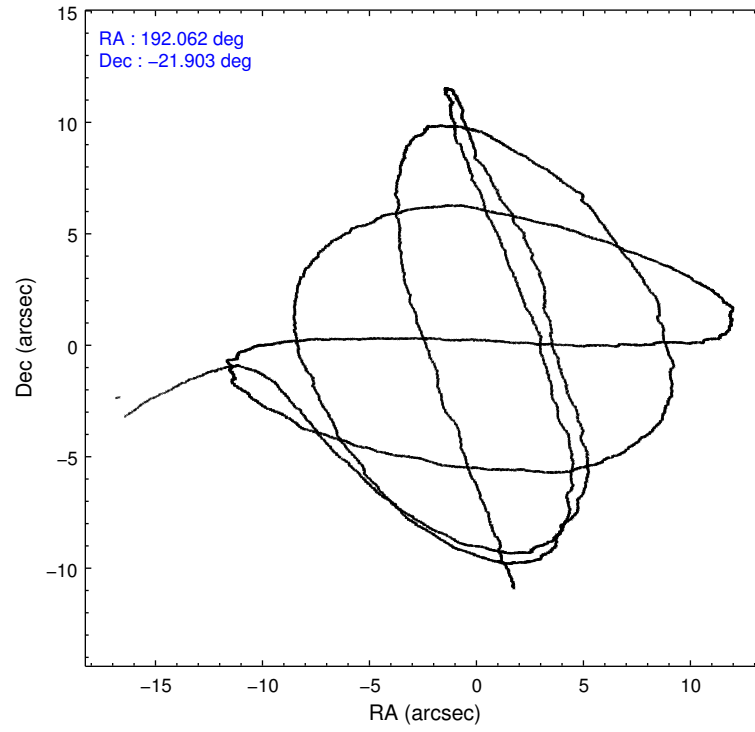
	ccd 6	ccd 7	ccd 8
level 1 events	23937	27756	29672
rejected events	21359	15855	23046
rejected %	89%	57%	77%

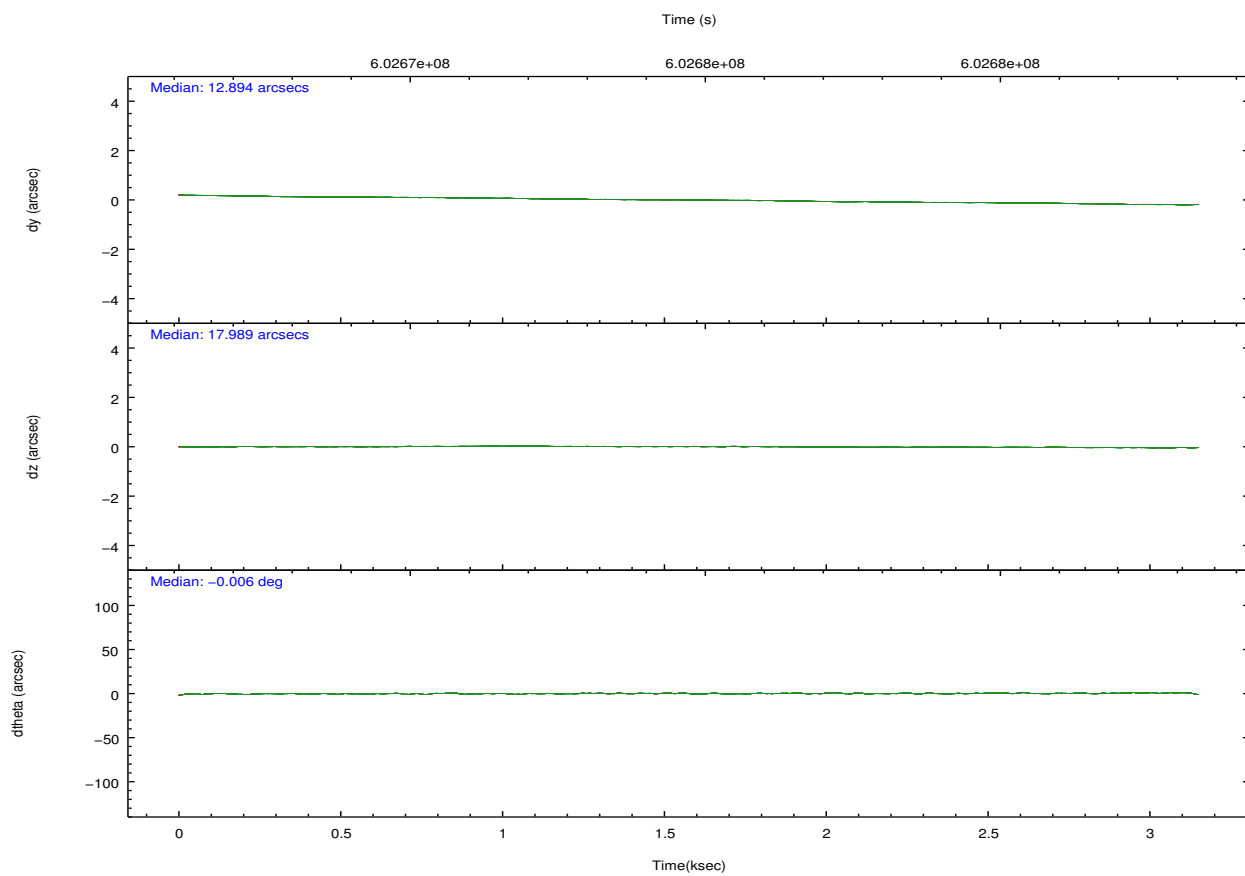
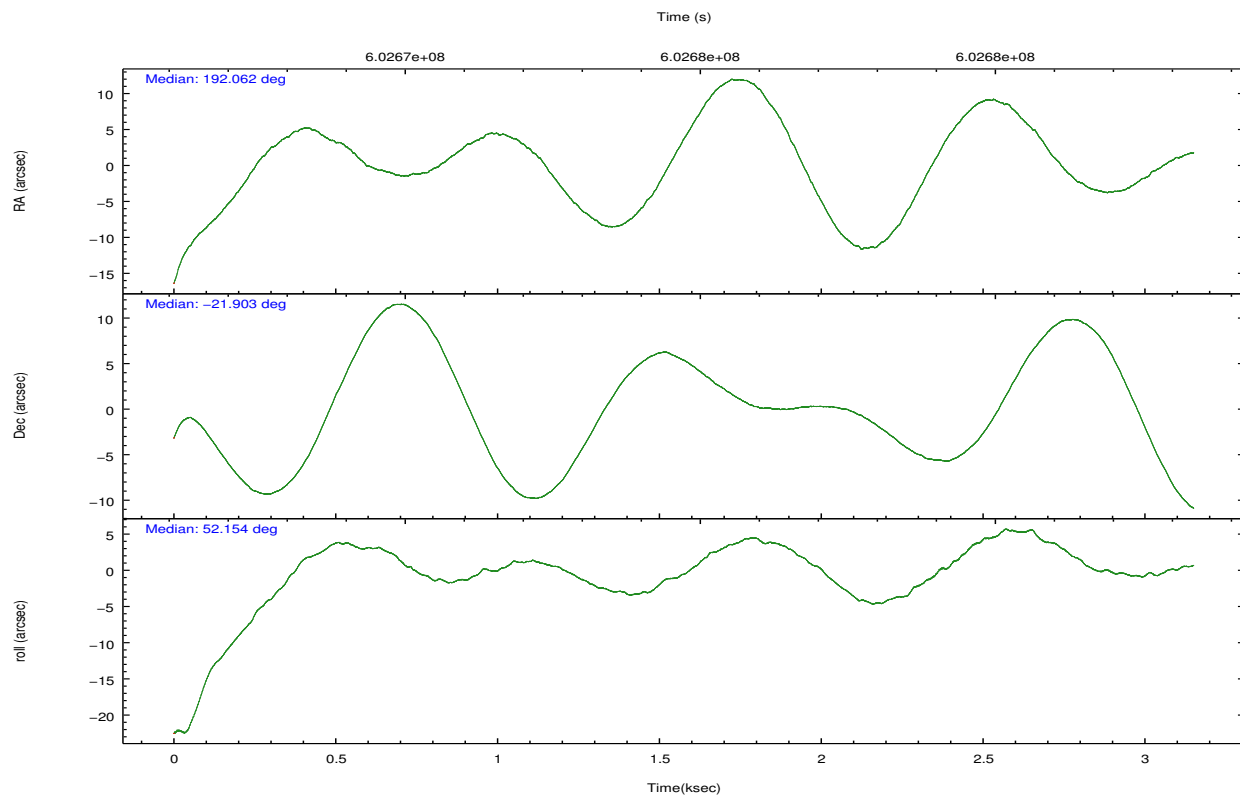
	ccd 6	ccd 7	ccd 8
grade 0 events	803	930	1838
	3%	3%	6%
grade 1 events	8	29	26
	0%	0%	0%
grade 2 events	686	2576	1698
	2%	9%	5%
grade 3 events	218	892	594
	0%	3%	2%
grade 4 events	240	861	619
	1%	3%	2%
grade 5 events	961	2653	1468
	4%	9%	4%
grade 6 events	634	6658	1878
	2%	23%	6%
grade 7 events	20387	13157	21551
	85%	47%	72%

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	192.057909	192.0614439695192	Subarray requested	NONE	NONE
[deg] Pointing Dec	-21.930165	-21.90296719962793	Alternating exposures requested	N	N
[deg] Pointing Roll	51.997983	52.15589973188258	[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)	602673530.184000	602672496.16536			
Observation start date	2017-02-05T09:17:41	2017-02-05T09:01:36			
[s] Observation end time (MET)	602676530.184000	602677220.39064			
Observation end date	2017-02-05T10:07:41	2017-02-05T10:20:20			
Read mode	TIMED	TIMED			

2.3 Aspect



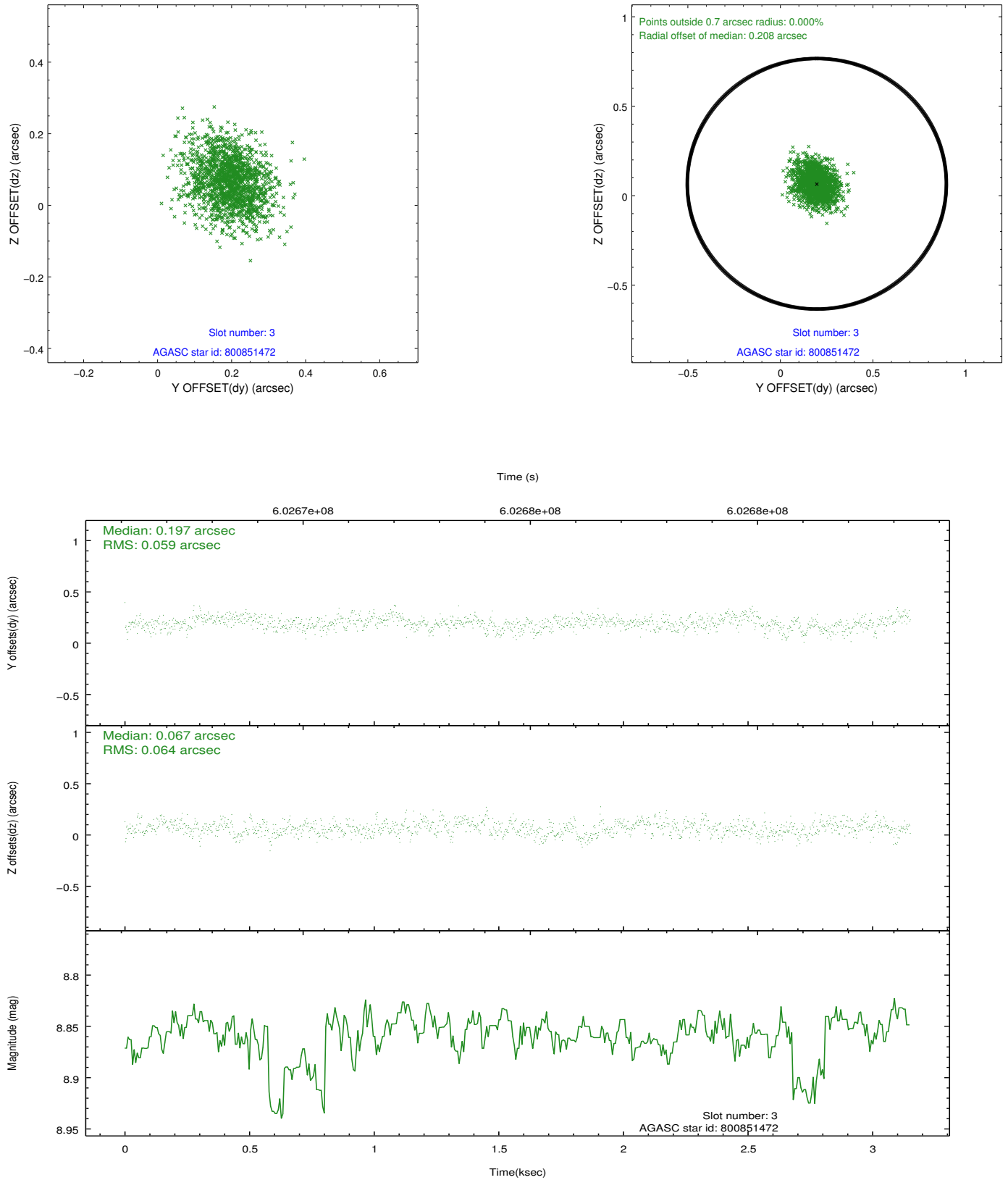


Slot Statistics

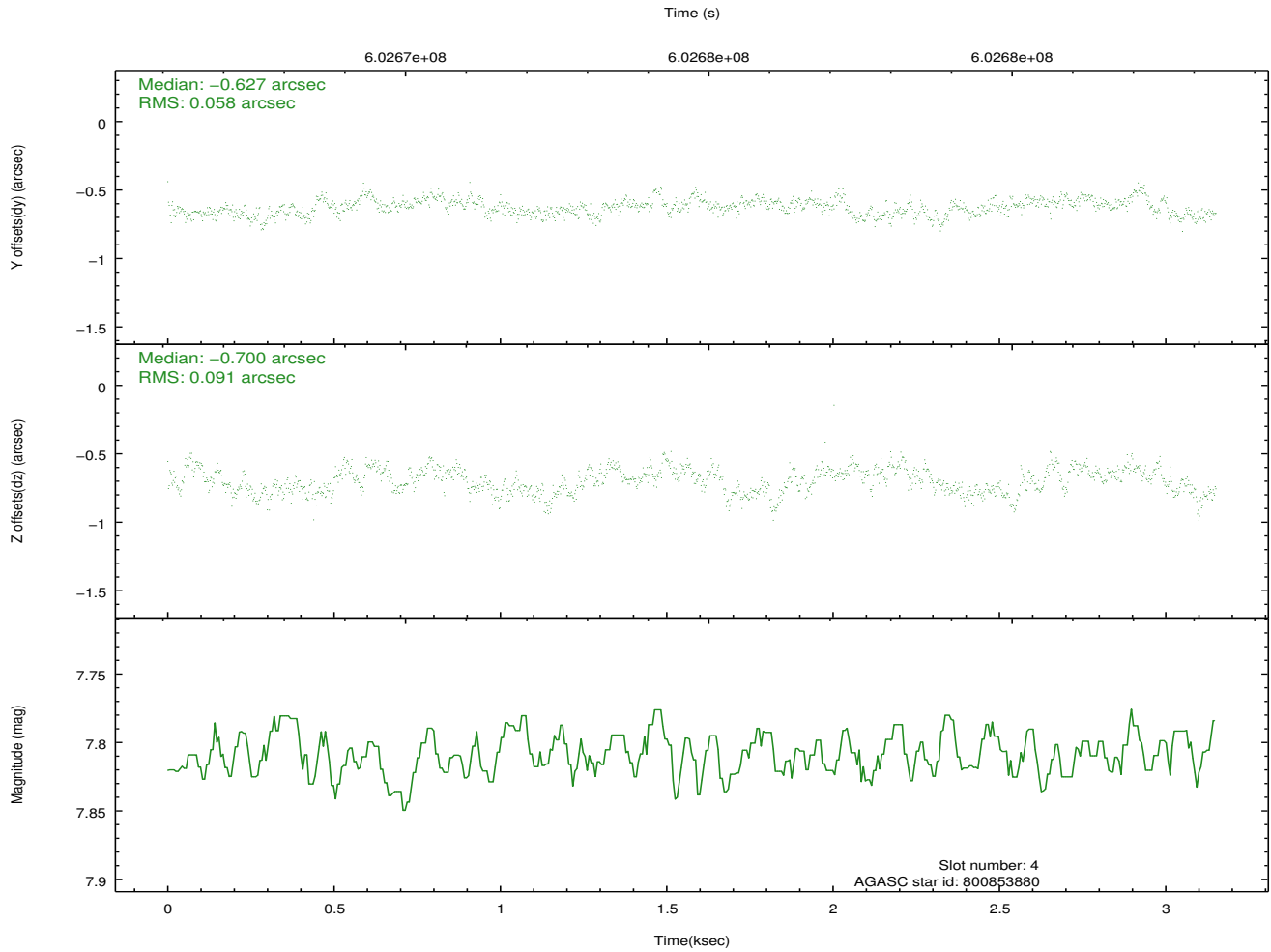
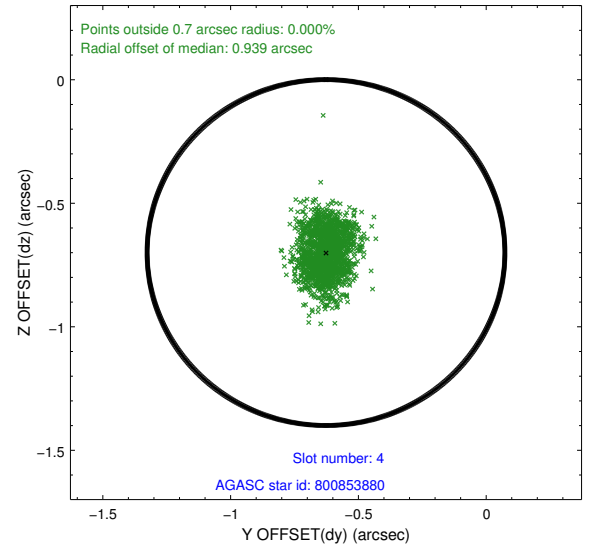
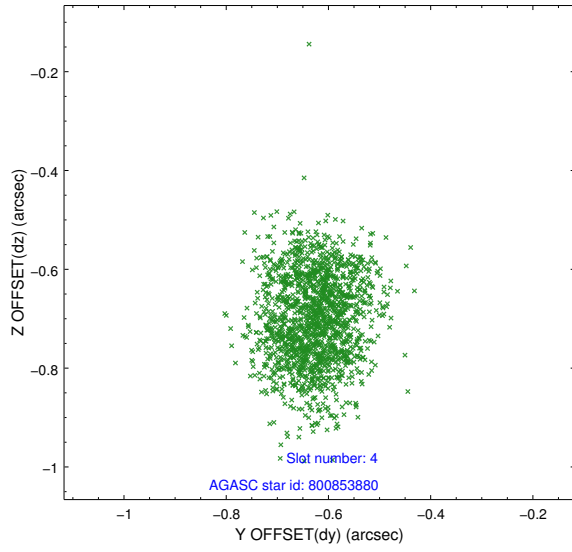
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.25	769	0.095	-0.042	0.008	0.013	0.000000	0.000000	930.35	-1735.11
1	FID		ACIS-S-4	7.27	769	0.311	-0.011	0.006	0.009	0.000000	0.000000	2149.07	167.00
2	FID		ACIS-S-5	7.27	769	-0.432	0.066	0.008	0.013	0.000000	0.000000	-1816.48	162.91
3	GUIDE	used	800851472	8.86	1537	0.197	0.067	0.094	0.152	191.790390	-22.353142	-1748.10	-236.04
4	GUIDE	used	800853880	7.81	1538	-0.627	-0.700	0.114	0.183	191.861019	-21.464084	914.17	1552.50
5	GUIDE	used	801768560	8.37	1536	0.146	0.065	0.096	0.168	192.473294	-22.388287	-448.35	-2104.95
6	GUIDE	used	801769680	9.07	1537	0.316	0.099	0.128	0.210	192.353164	-22.391492	-704.07	-1799.28
7	GUIDE	used	876093872	9.15	1535	-0.034	0.458	0.112	0.183	192.012204	-22.662683	-2171.36	-1504.73

2.4 Star Slots

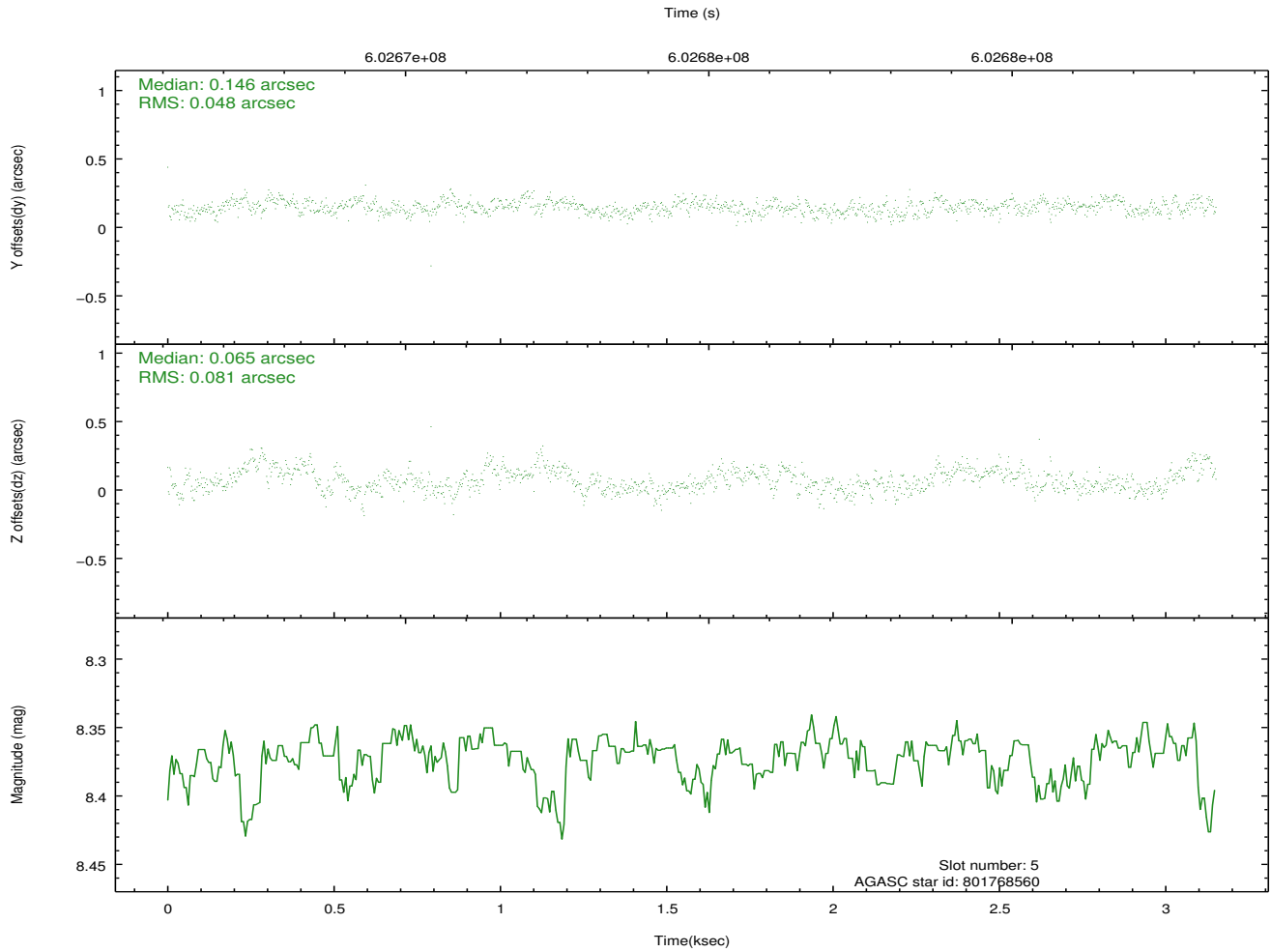
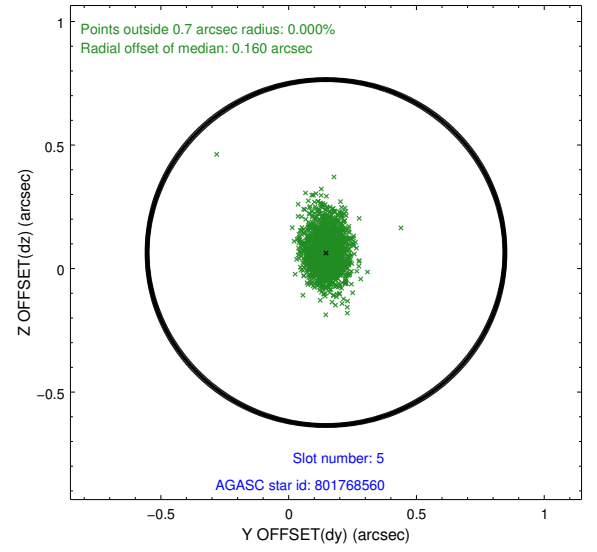
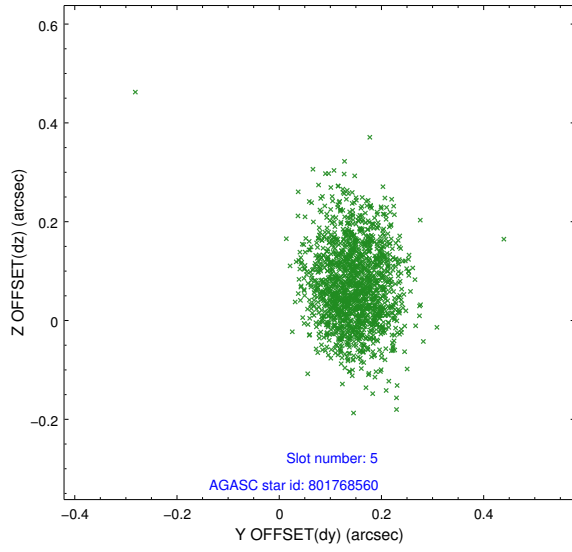
2.4.1 Slot 3



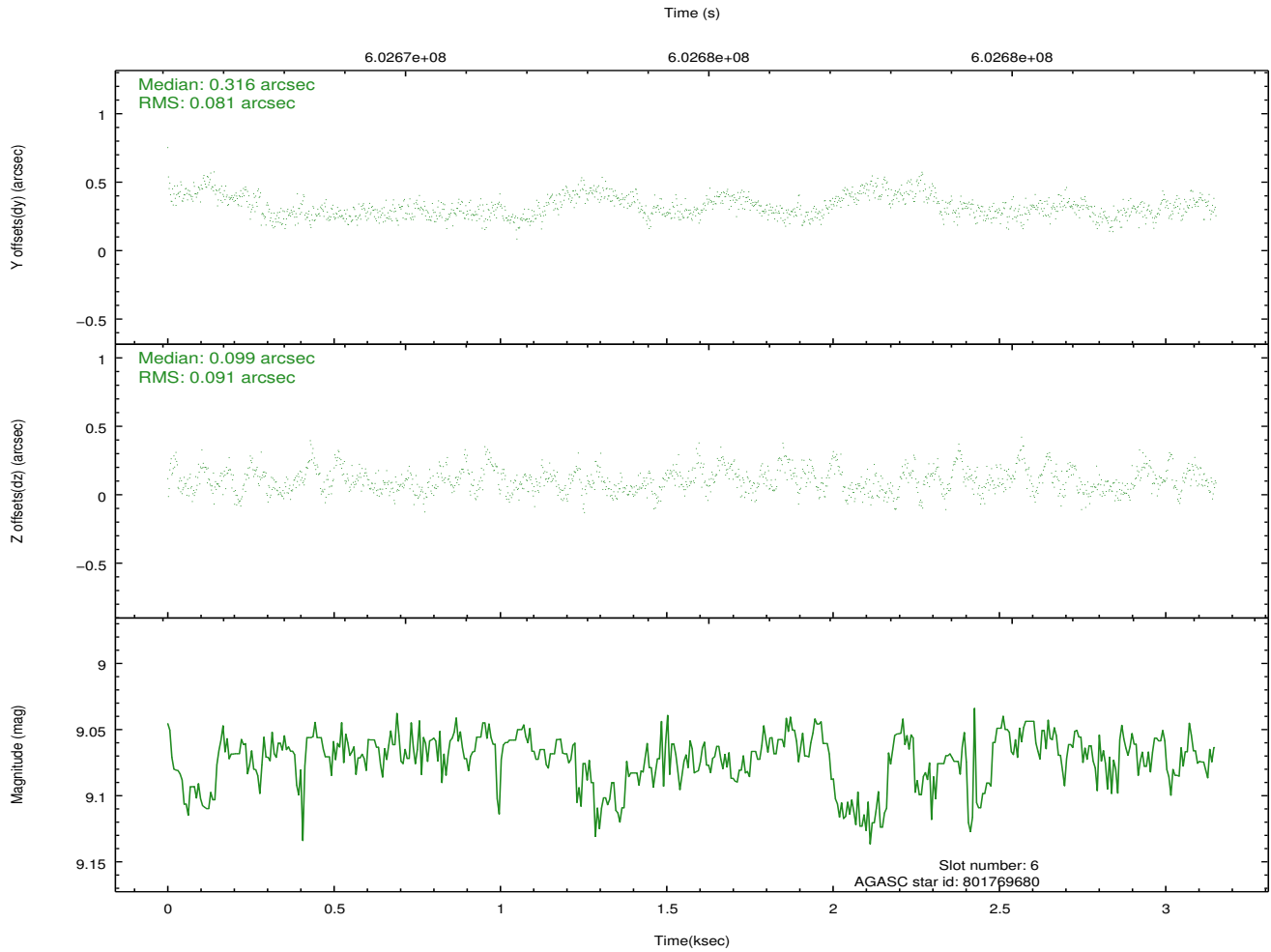
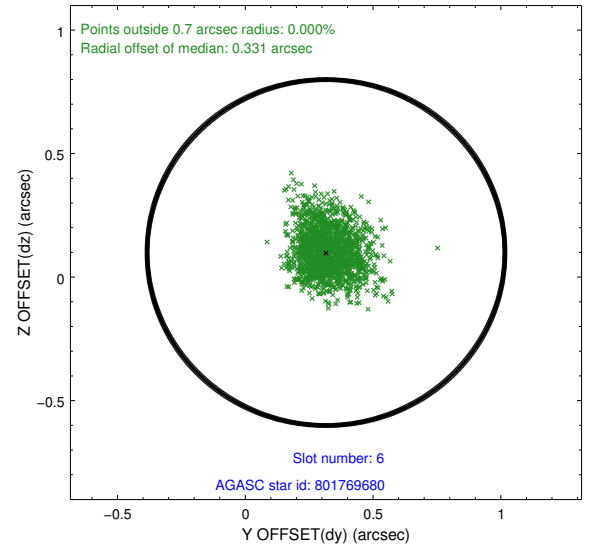
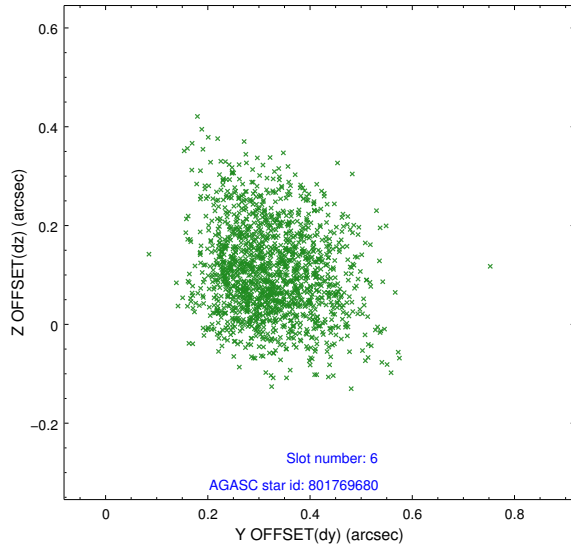
2.4.2 Slot 4



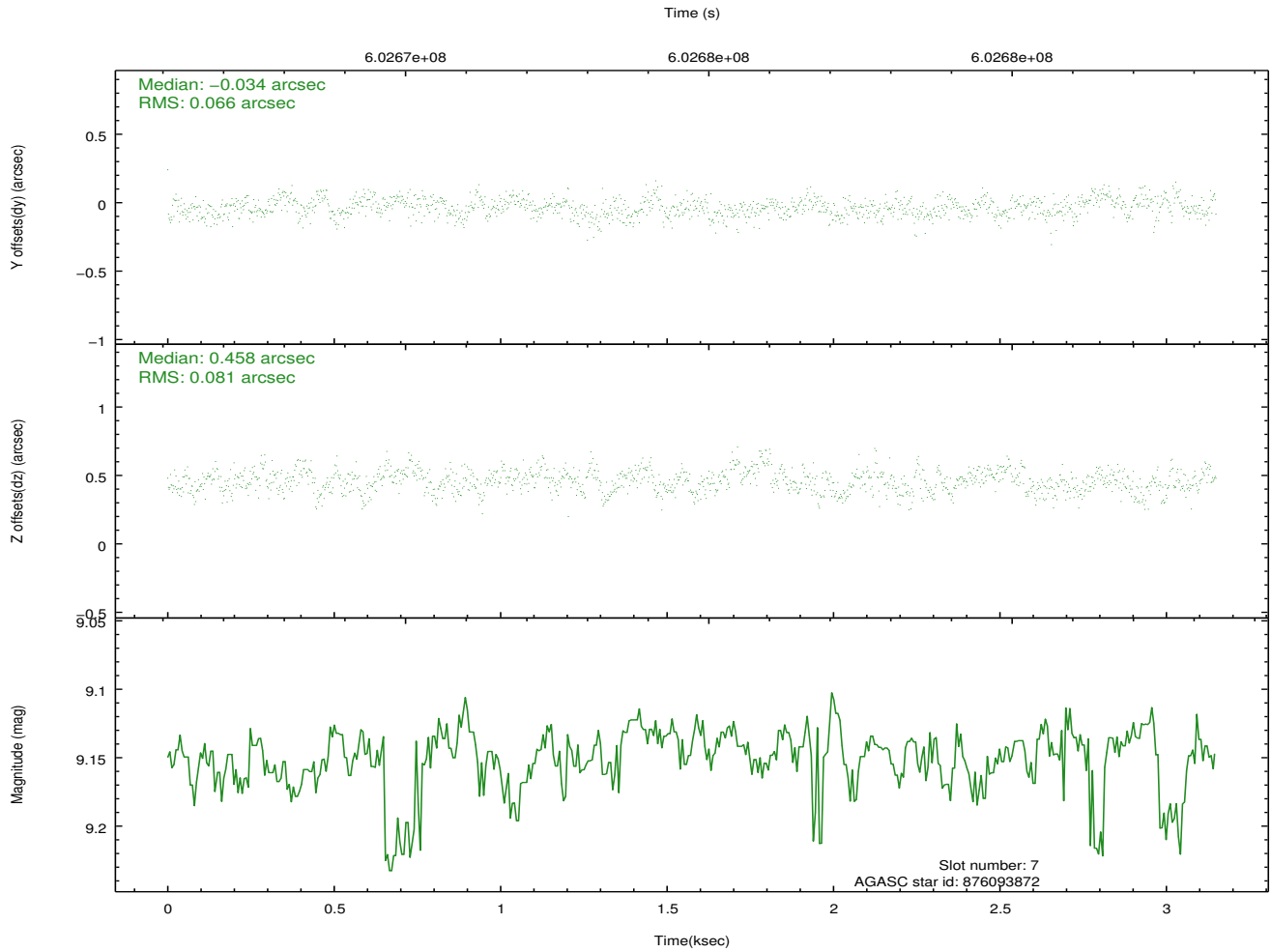
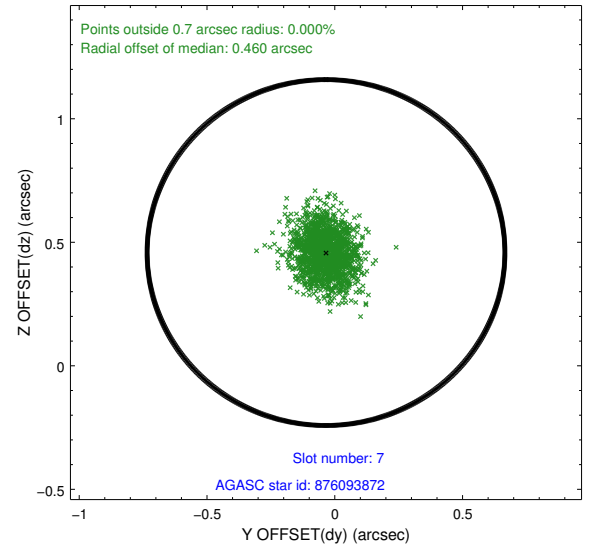
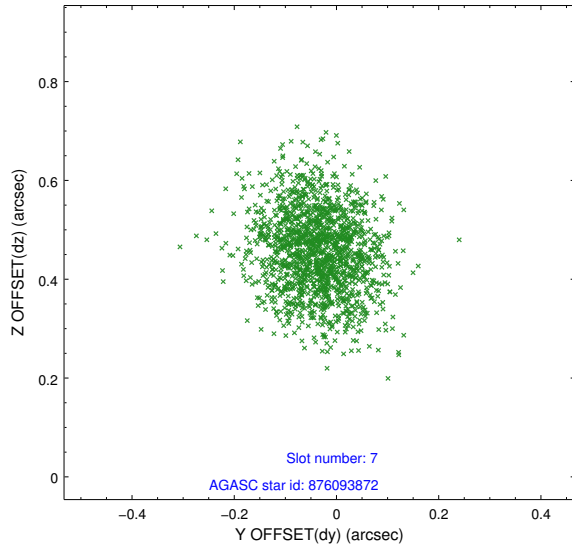
2.4.3 Slot 5



2.4.4 Slot 6

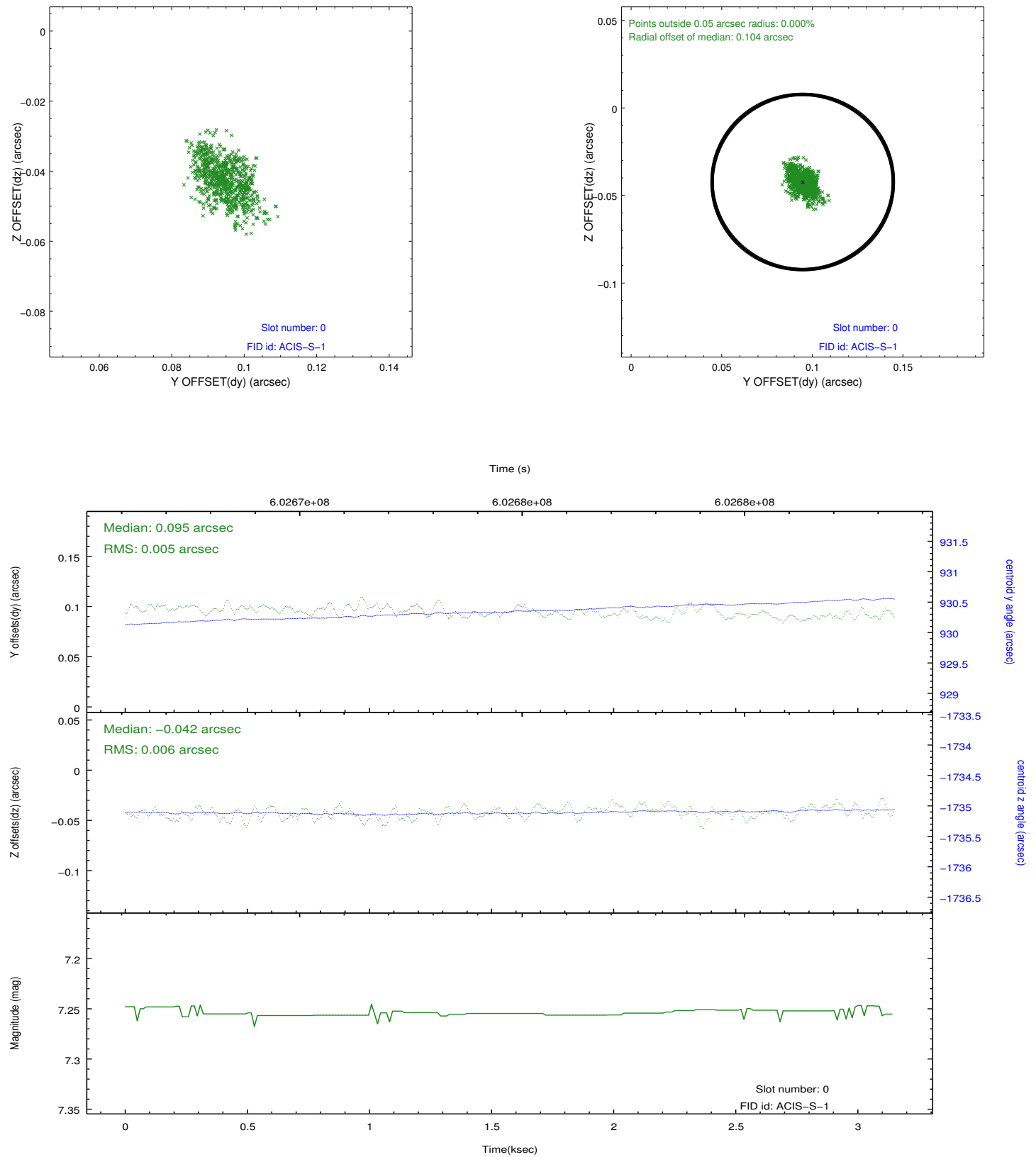


2.4.5 Slot 7

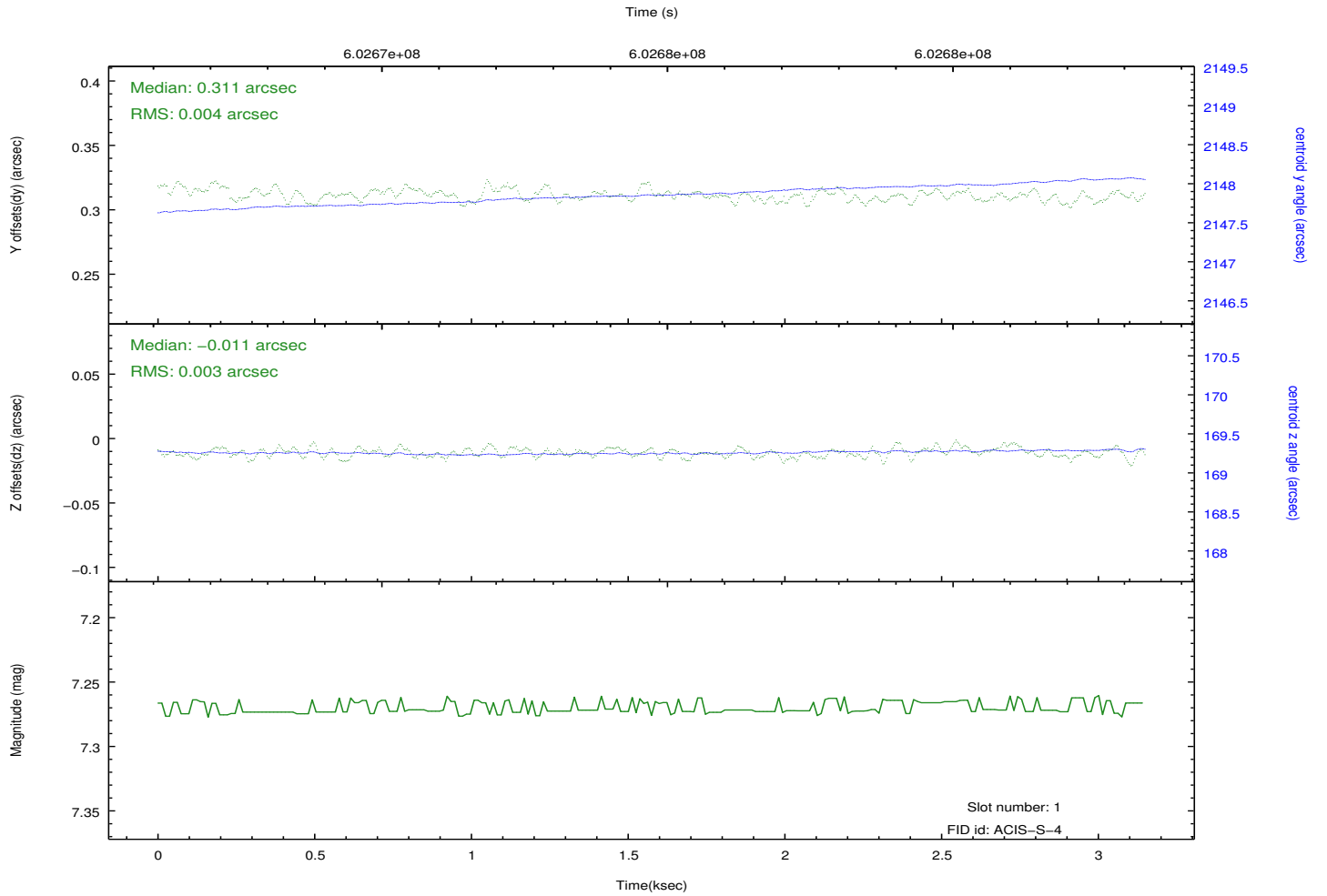
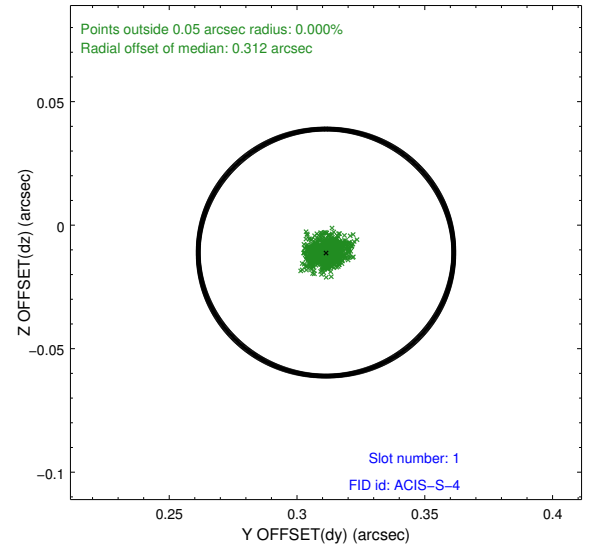
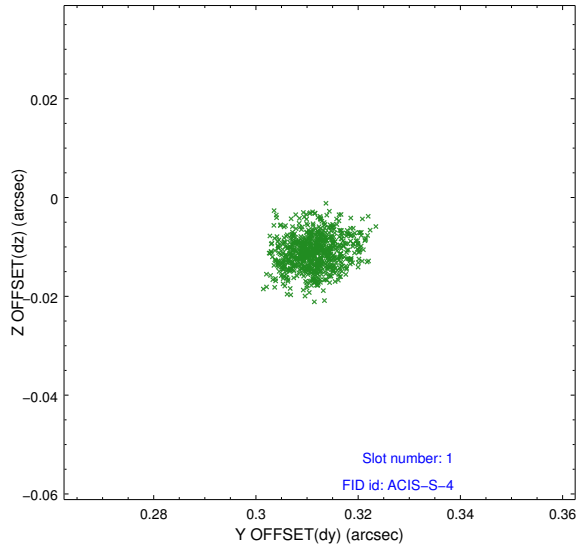


2.5 FID Slots

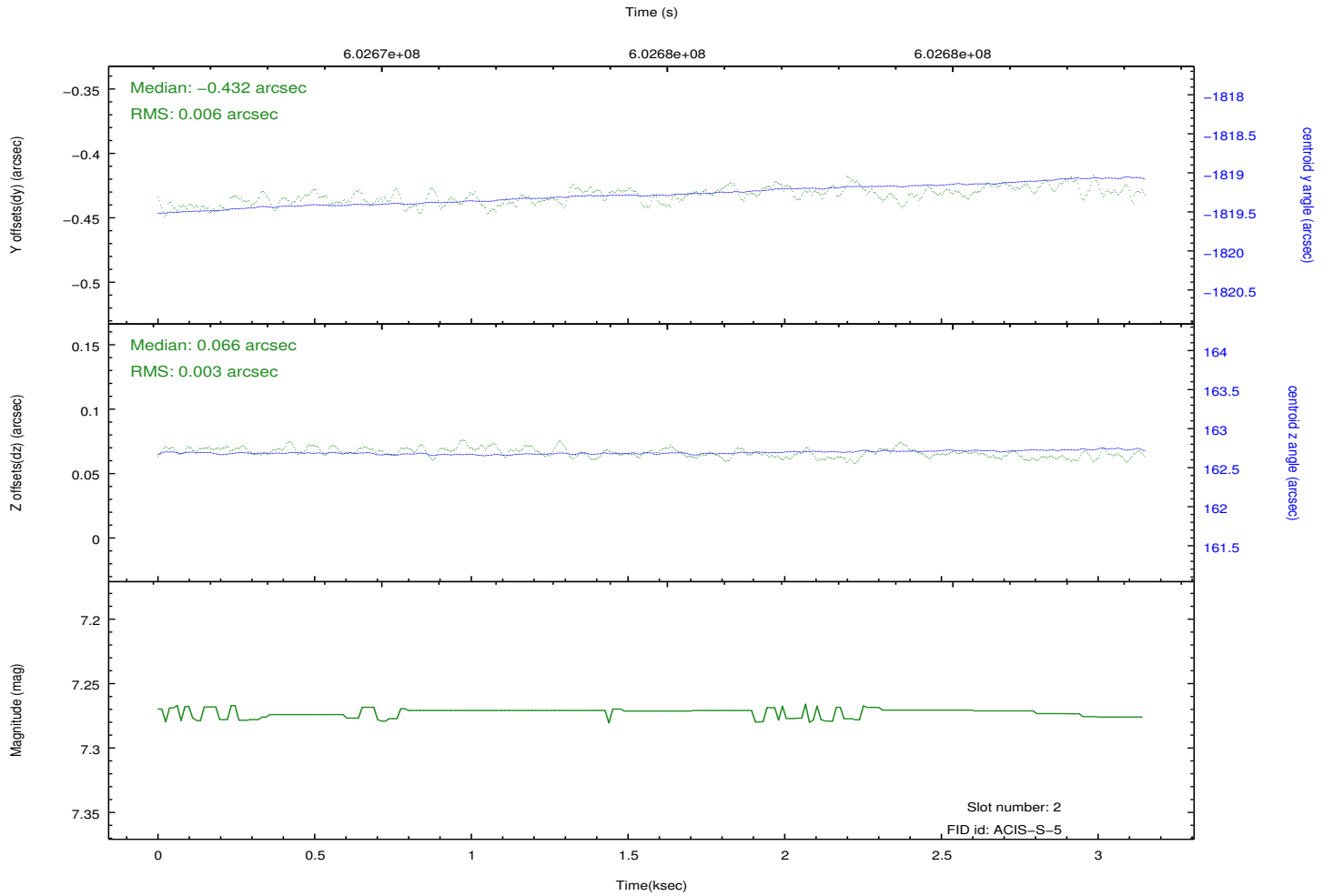
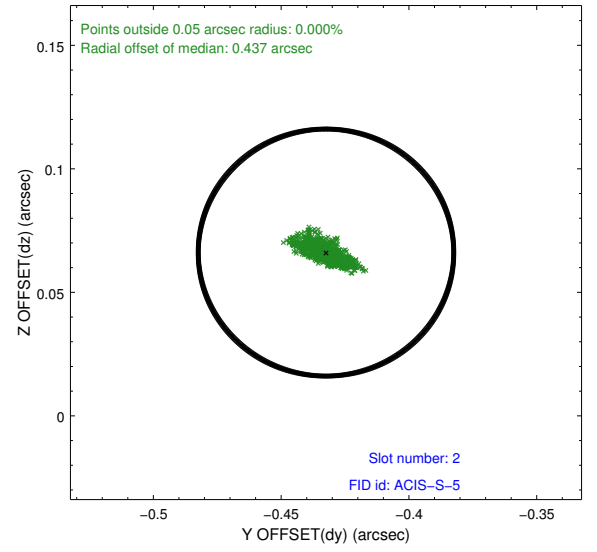
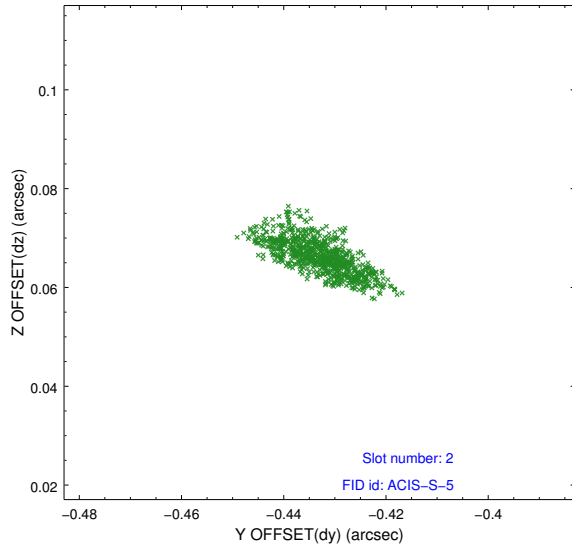
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2017.02.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1089040052891

A.2 Comments