

V&V Reference Report

L2 ASCDS Version : 10.8.1

Observation 22064 - L2 Version 1
Chandra X-Ray Center

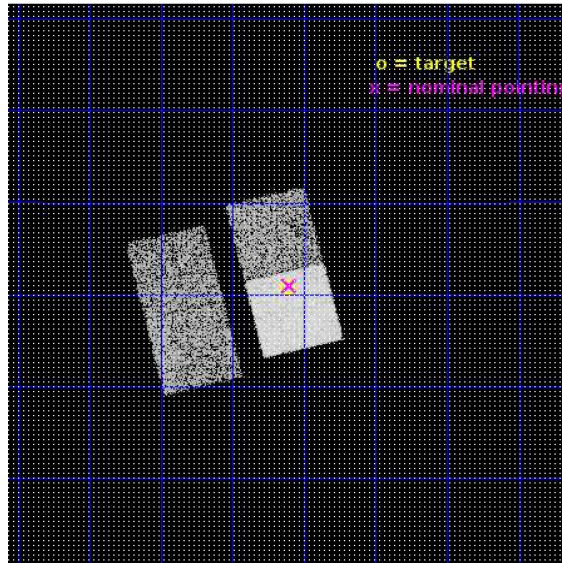
L2 Processing Date : Oct 17 2019

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1 Front

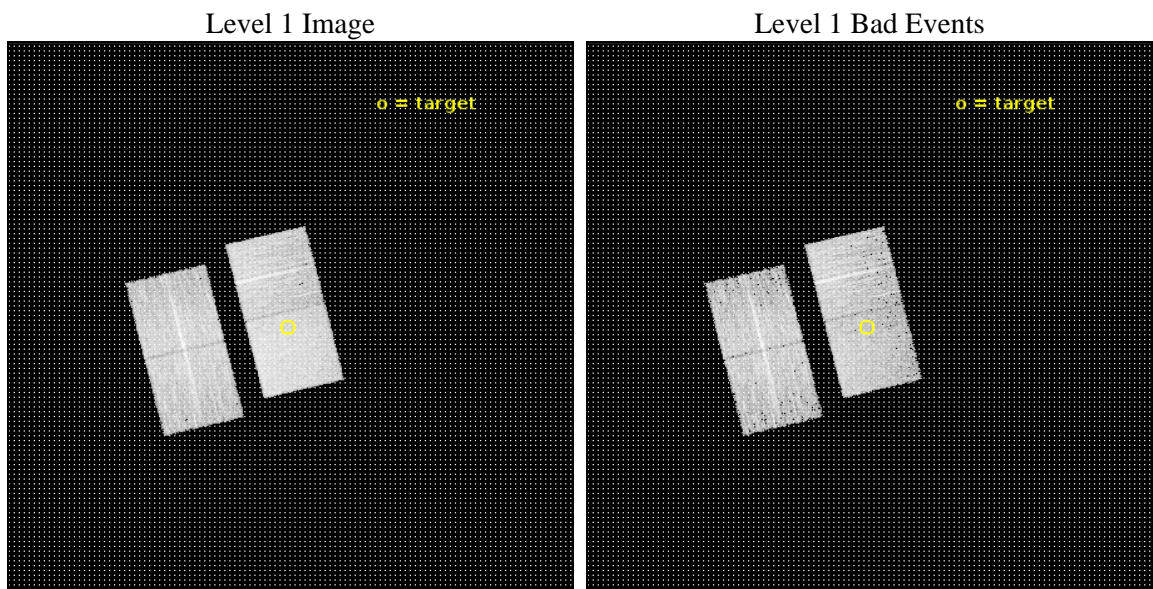
seq_num	703853	Sequence number
obs_id	22064	Observation id
title	Confirming the nature of IMBHs selected from the SIBLING survey	Pro
observer	Paulina Lira	Principal investigator
object	SDSS J1008+0220	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	152.028917	Observer's specified target RA [deg]
dec_targ	2.345111	Observer's specified target Dec [deg]
ra_nom	152.02559957364	Nominal RA [deg]
dec_nom	2.3491841912932	Nominal Dec [deg]
roll_nom	76.347544358994	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7777.9000599384	Sum of GTIs [s]
livetime	7676.2760696486	Livetime [s]
ontime2	7777.9000599384	Sum of GTIs [s]
ontime3	7777.9000599384	Sum of GTIs [s]
ontime6	7777.9000599384	Sum of GTIs [s]
ontime7	7777.9000599384	Sum of GTIs [s]
l2events	49409	Number of level 2 events



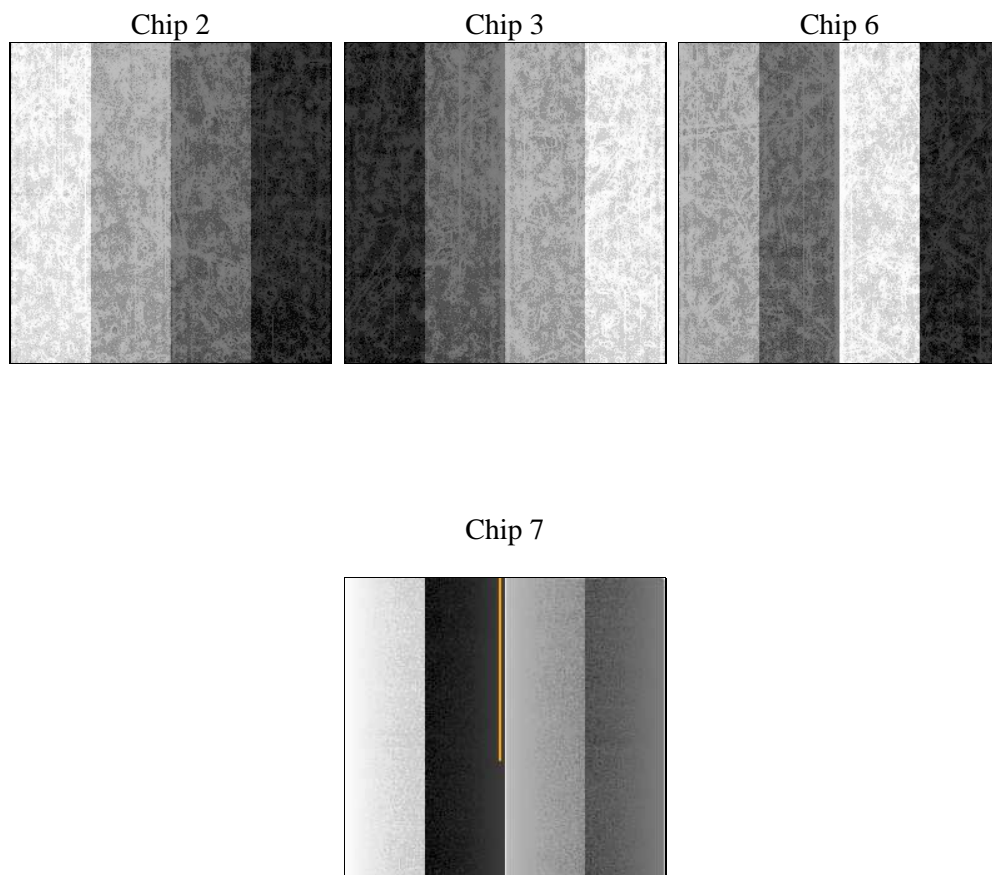
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7711.071000	[s] Scheduled observation exposure time
ascdsver	10.8.1	Processing system revision	ontime	7777.9000599384	Sum of GTIs [s]
caldsver	4.8.4.2	 	ontime2	7777.9000599384	Sum of GTIs [s]
date	2019-10-18T02:40:51	Date and time of file creation	ontime3	7777.9000599384	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	7777.9000599384	Sum of GTIs [s]
			ontime7	7777.9000599384	Sum of GTIs [s]
			l1events	247235	Number of level 1 events

2.1.4 Events

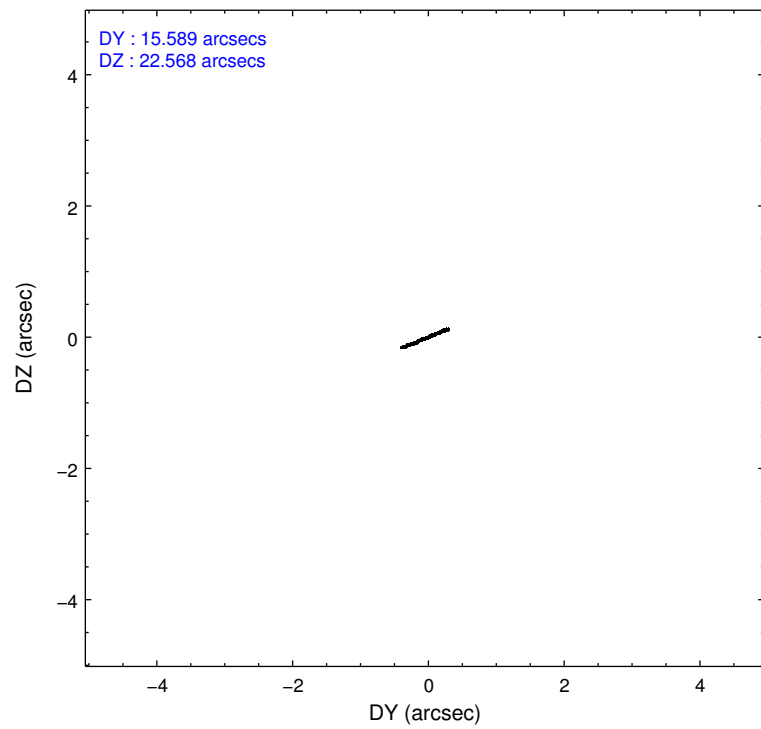
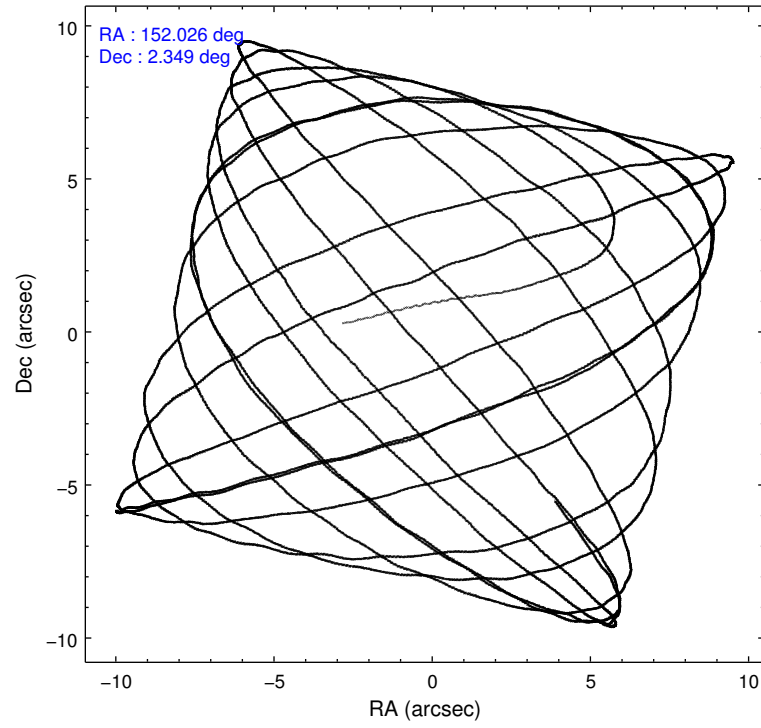
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	56148	54121	59965	77001
rejected events	49662	47606	53320	43758
rejected %	88%	87%	88%	56%

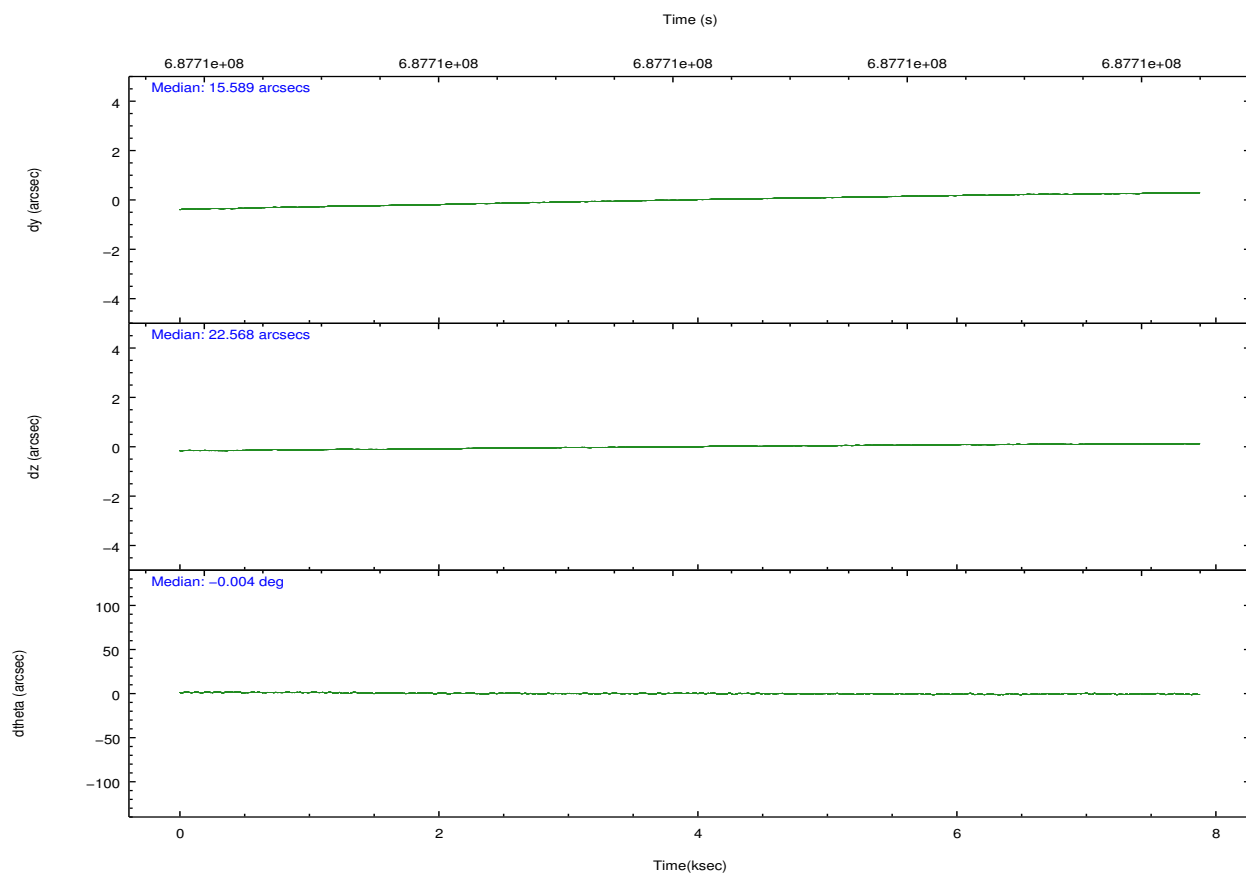
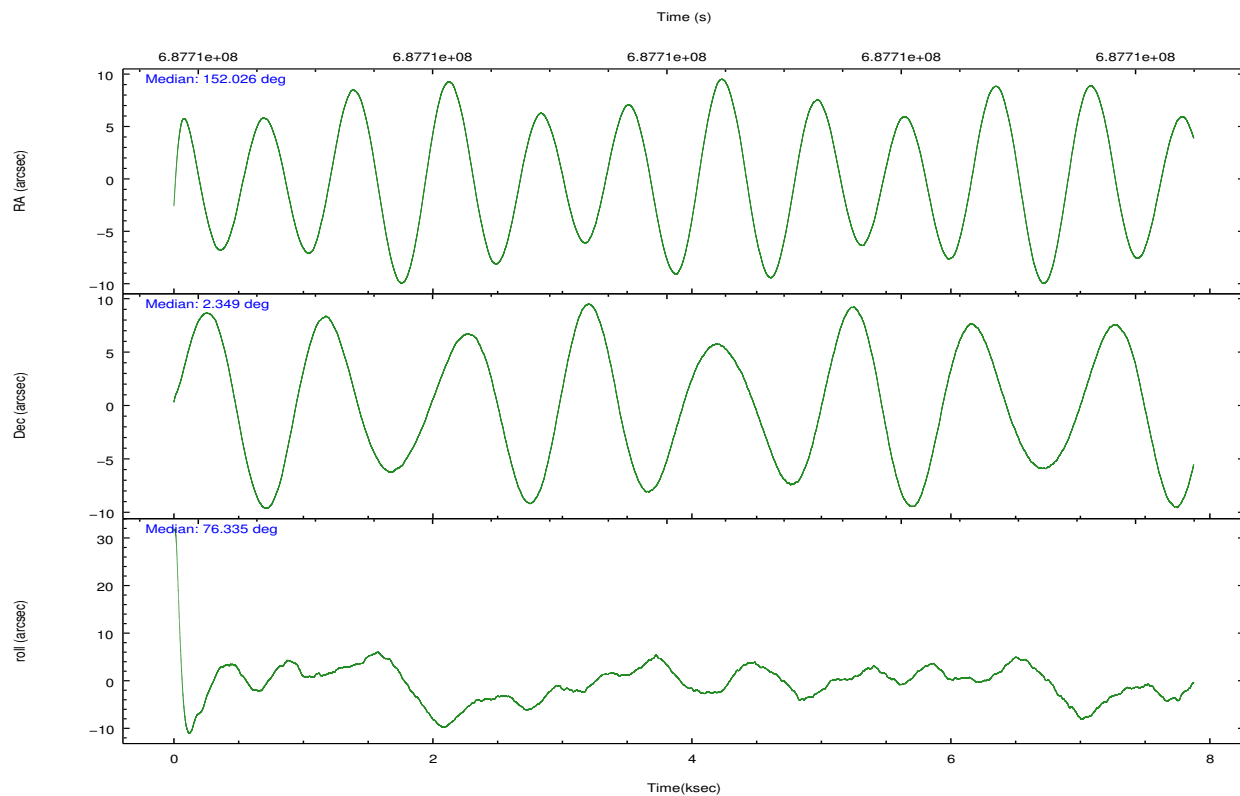
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2289	2579	2199	2769
	4%	4%	3%	3%
grade 1 events	32	27	30	134
	0%	0%	0%	0%
grade 2 events	1644	1328	1568	7187
	2%	2%	2%	9%
grade 3 events	619	639	646	2548
	1%	1%	1%	3%
grade 4 events	613	644	662	2532
	1%	1%	1%	3%
grade 5 events	2369	2814	2782	7623
	4%	5%	4%	9%
grade 6 events	1323	1326	1573	18221
	2%	2%	2%	23%
grade 7 events	47259	44764	50505	35987
	84%	82%	84%	46%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-2367	ACIS-2367	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	152.033672	152.0255995736389	Subarray requested	NONE	NONE
[deg] Pointing Dec	2.322946	2.349184191293225	Alternating exposures requested	N	N
[deg] Pointing Roll	76.190527	76.34754435899436	[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)	687706363.184000	687704944.29961			
Observation start date	2019-10-17T13:31:34	2019-10-17T13:09:04			
[s] Observation end time (MET)	687714074.184000	687715160.98772			
Observation end date	2019-10-17T15:40:05	2019-10-17T15:59:20			
Read mode	TIMED	TIMED			

2.3 Aspect



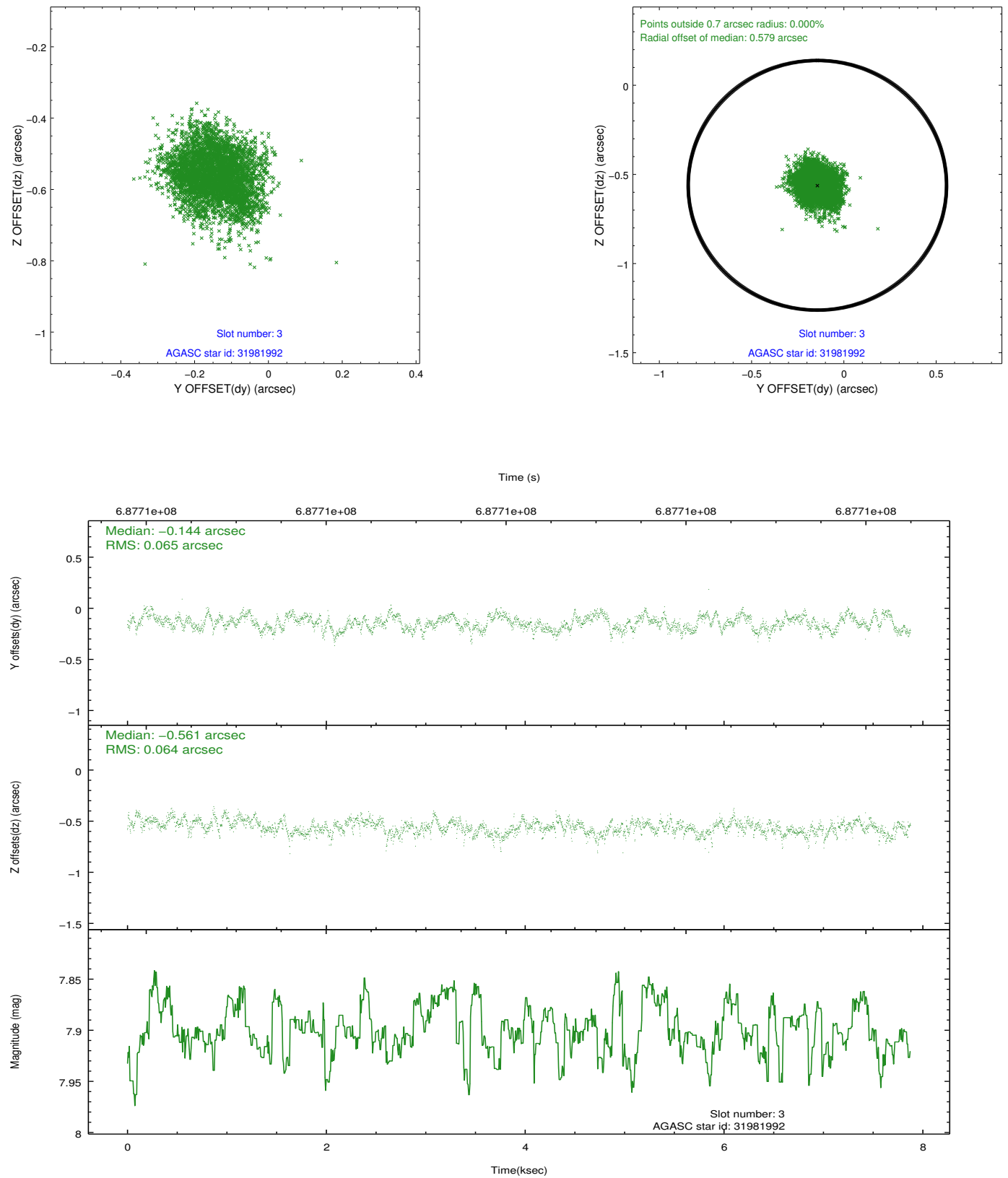


Slot Statistics

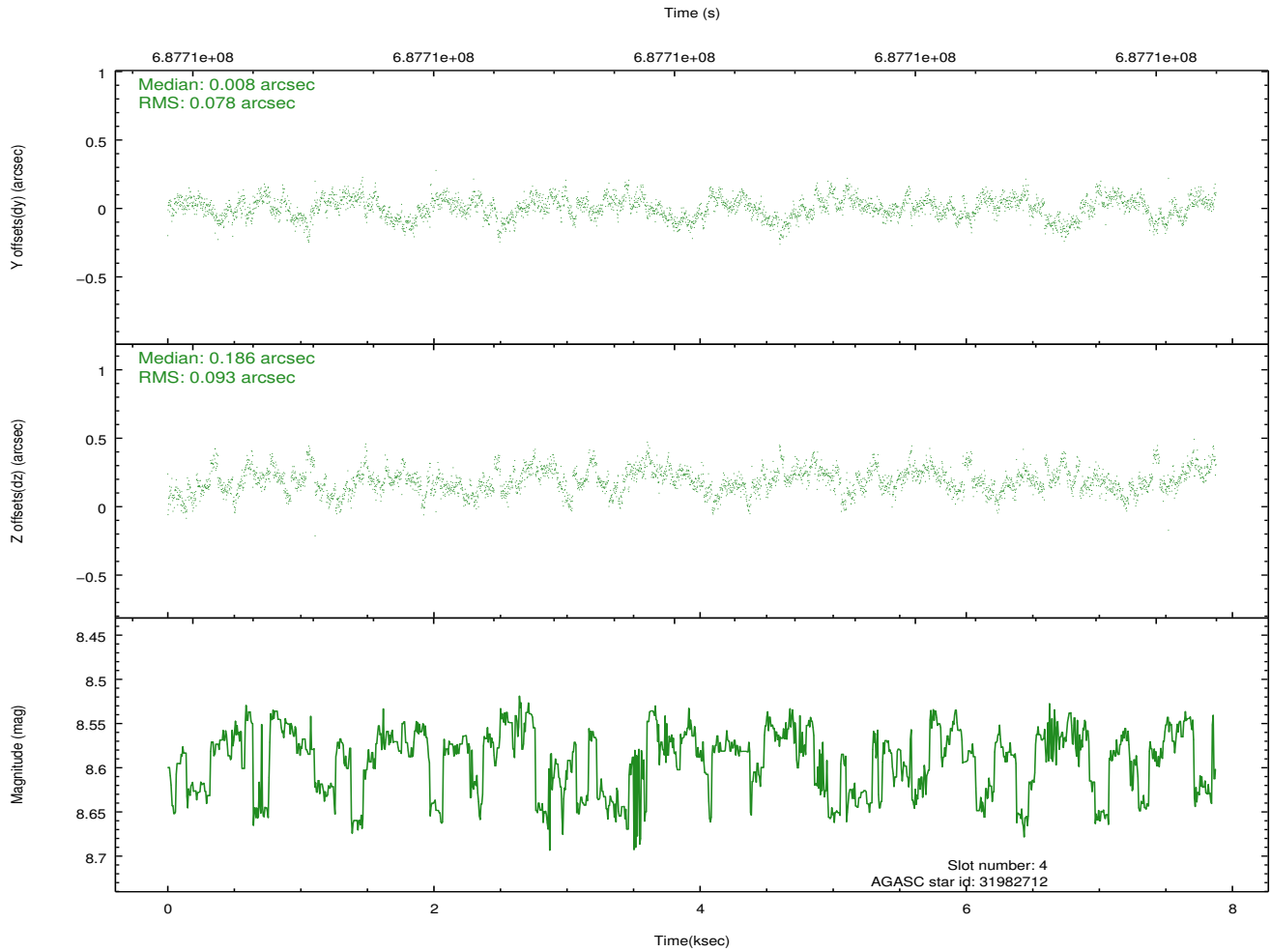
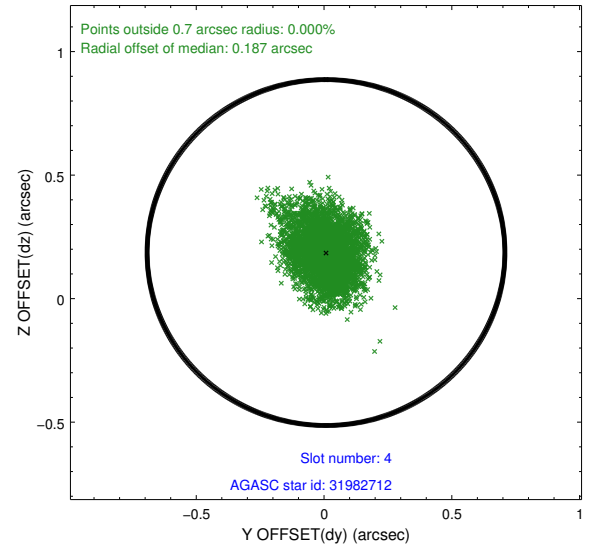
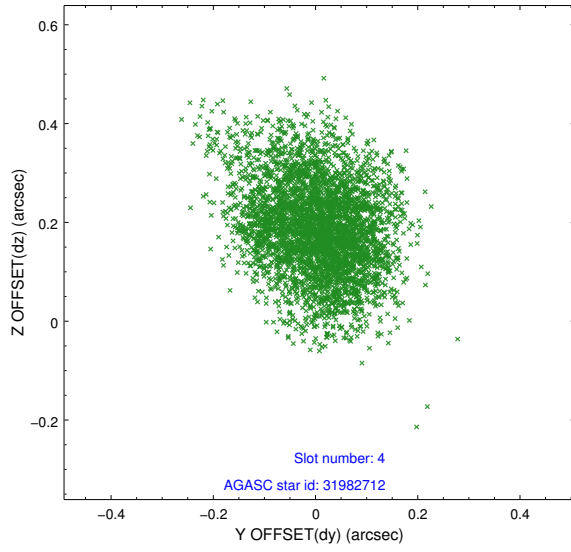
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.00	1921	1.000	-0.288	-0.204	0.009	0.015	0.000000	0.000000	-768.83	-1744
1	FID		ACIS-S-4	7.11	1921	1.000	0.690	0.193	0.010	0.019	0.000000	0.000000	2145.07	163
2	FID		ACIS-S-5	7.09	1922	1.000	-0.431	0.019	0.011	0.021	0.000000	0.000000	-1820.92	158
3	GUIDE	used	31981992	7.90	3843	1.000	-0.144	-0.561	0.098	0.154	151.532825	2.429488	-57.85	1841
4	GUIDE	used	31982712	8.59	3836	1.000	0.008	0.186	0.129	0.211	152.414208	2.351726	429.01	-1304
5	GUIDE	used	31995008	7.64	3843	1.000	-0.060	0.085	0.107	0.181	152.347622	2.371085	437.40	-1051
6	GUIDE	used	32506416	7.80	3841	1.000	-0.178	0.324	0.120	0.201	152.747538	2.558163	1435.85	-2290
7	GUIDE	used	31986576	9.01	3837	1.000	0.379	-0.045	0.183	0.293	151.600045	2.029023	-1399.26	1263

2.4 Star Slots

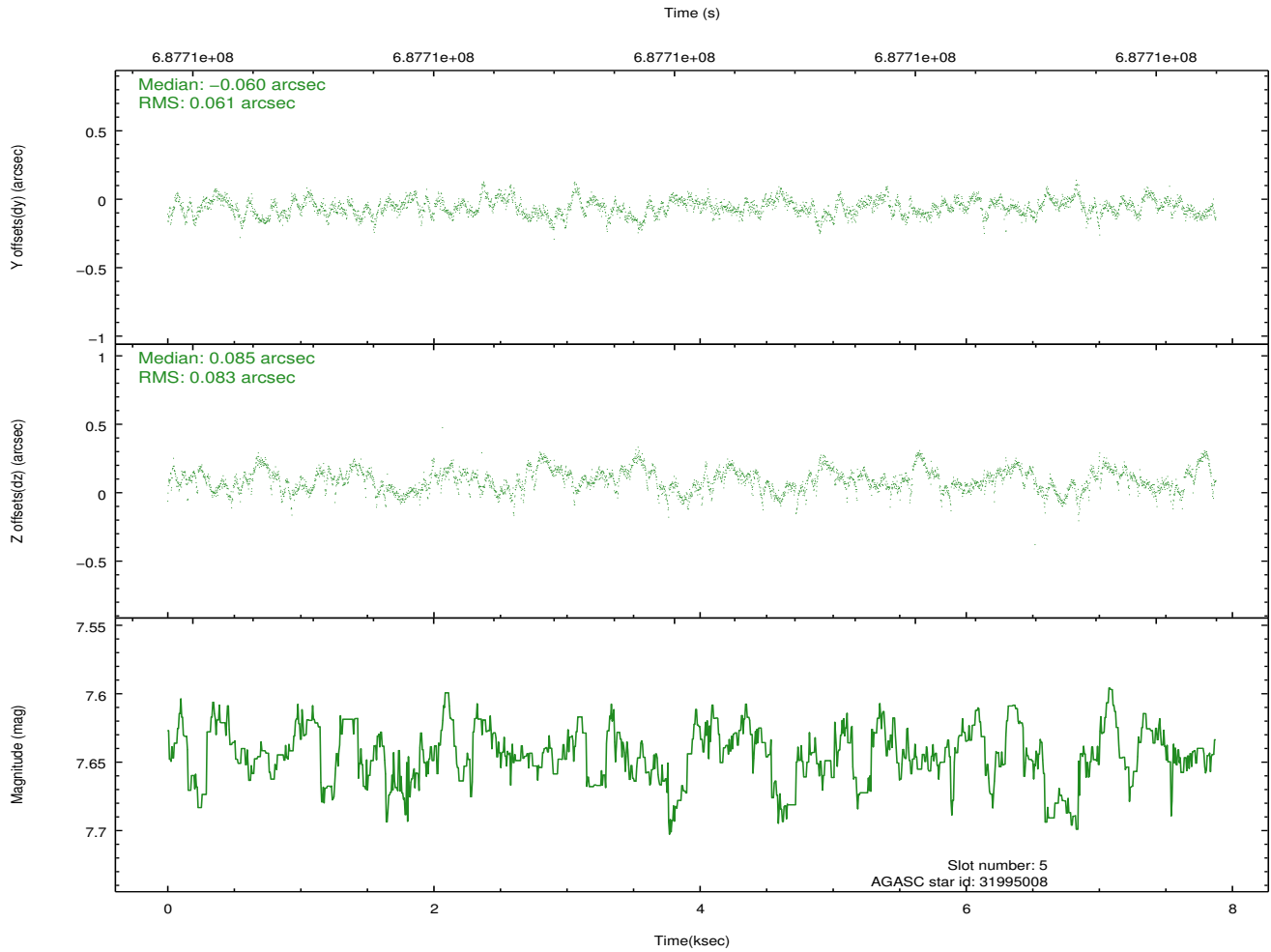
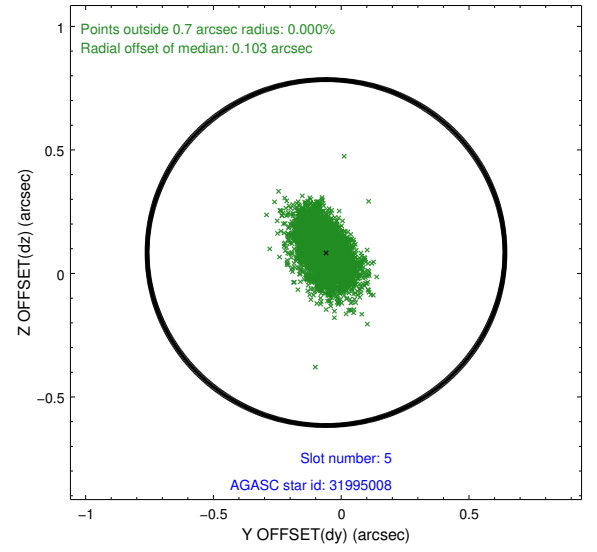
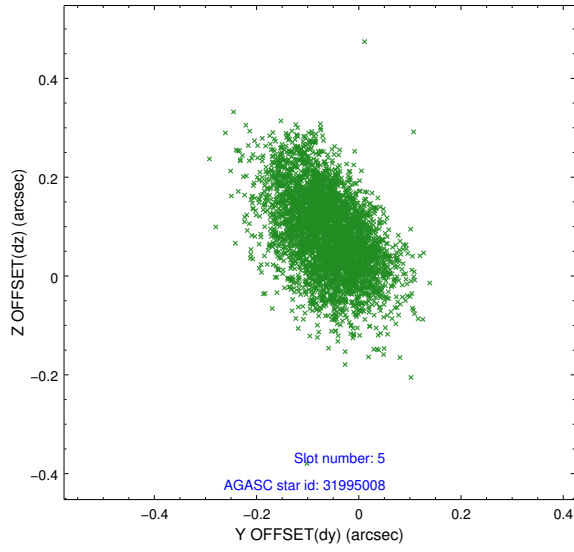
2.4.1 Slot 3



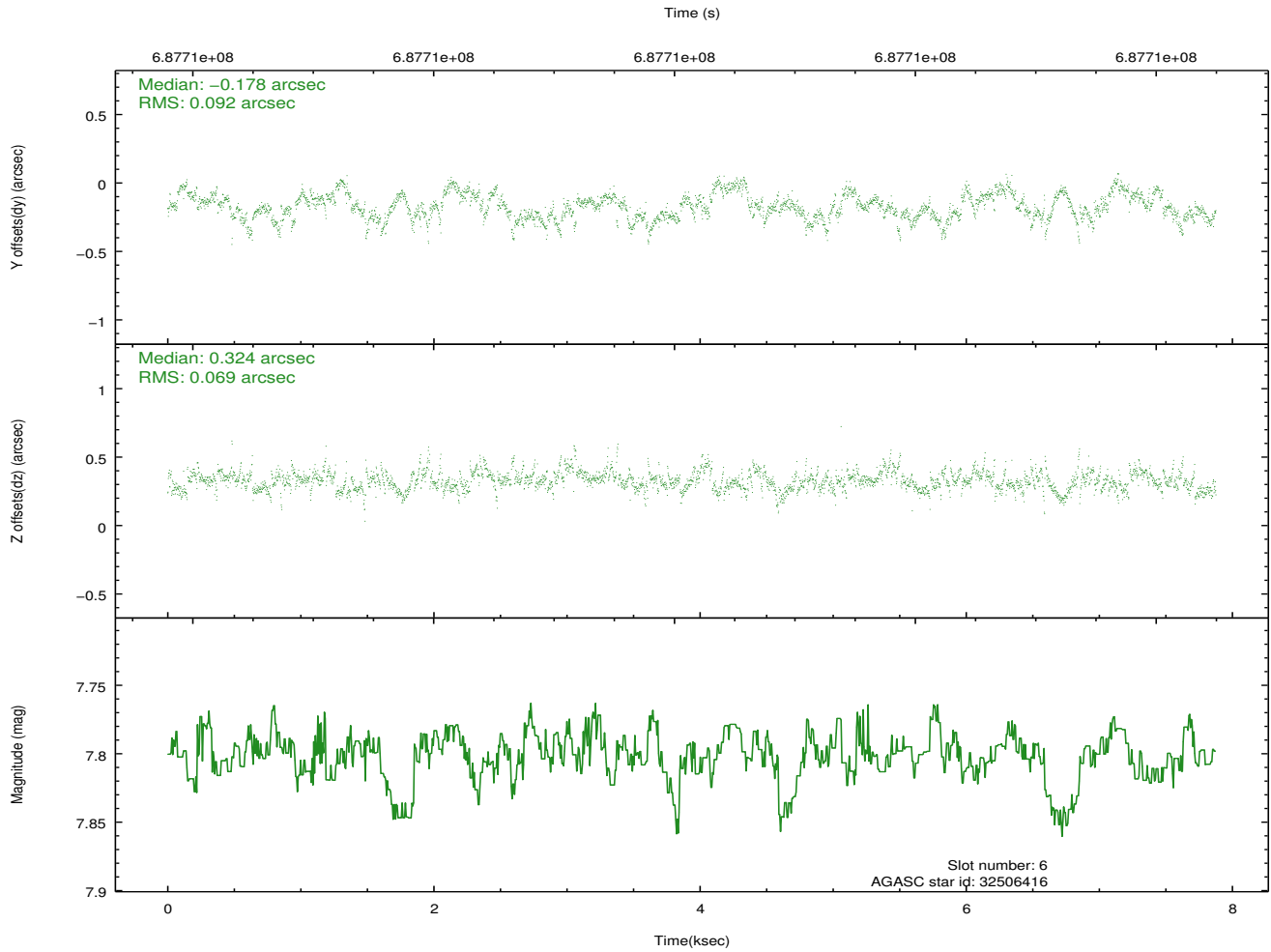
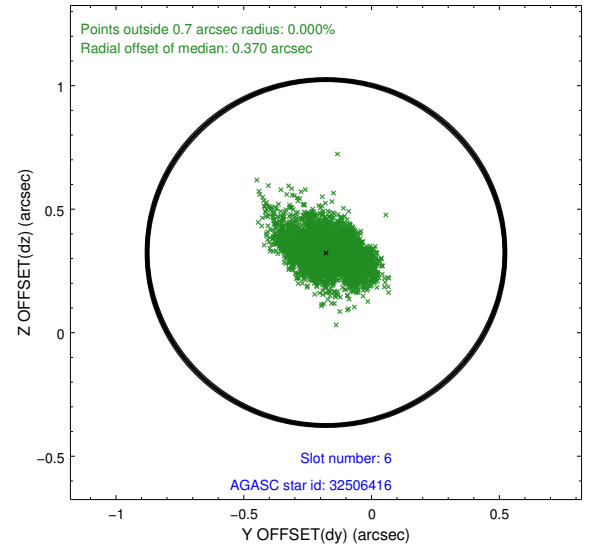
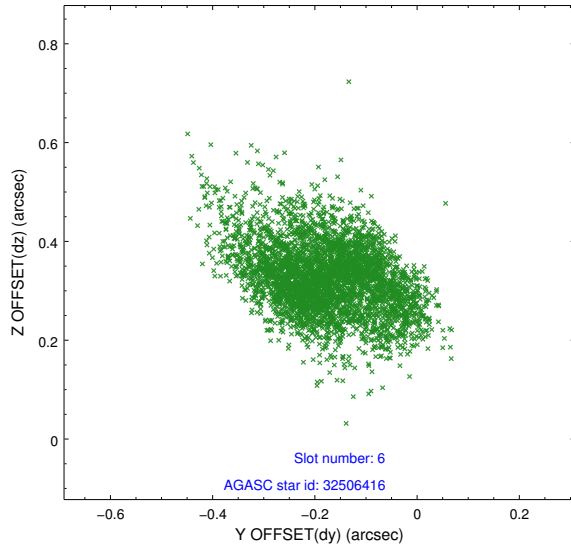
2.4.2 Slot 4



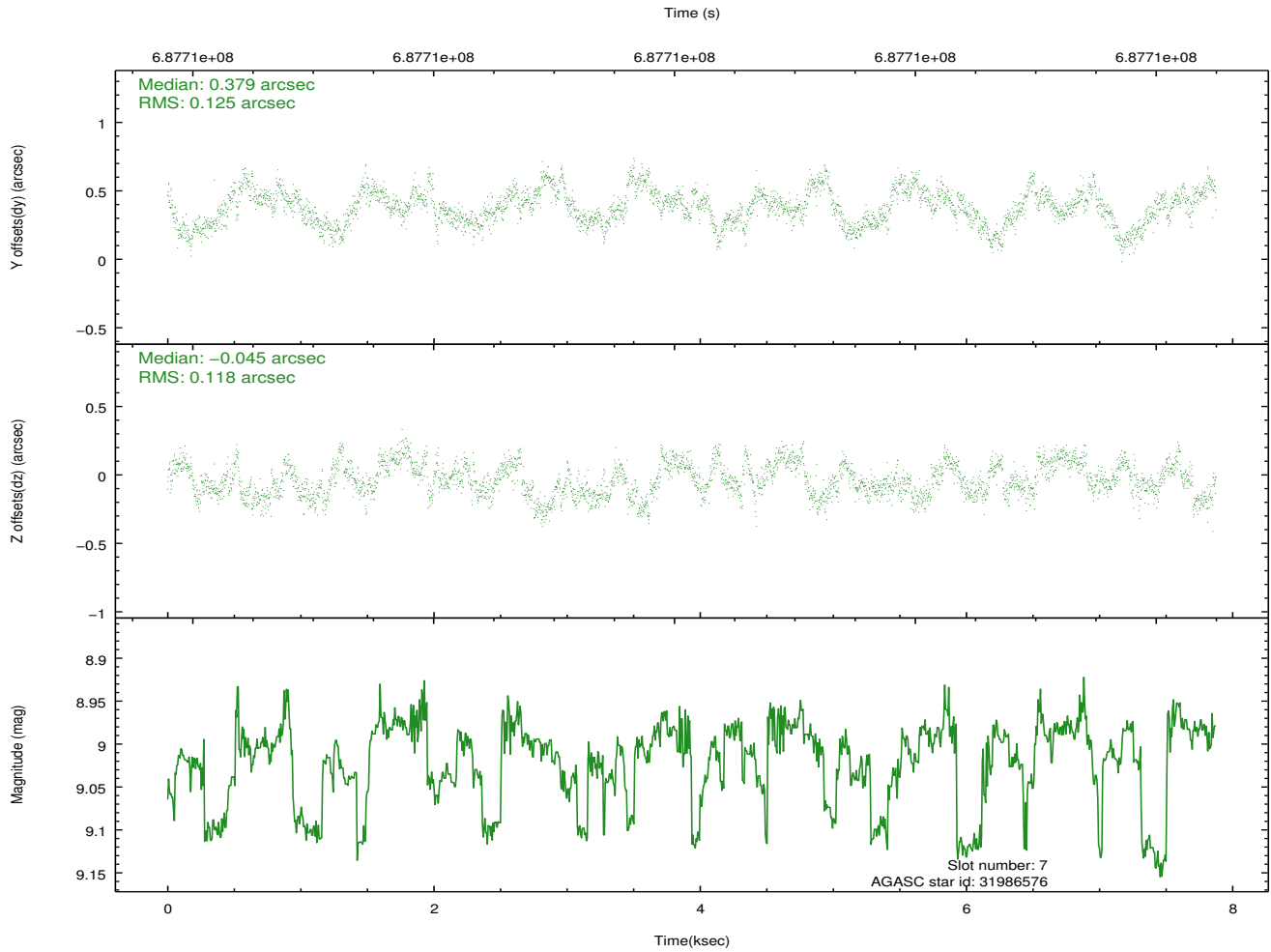
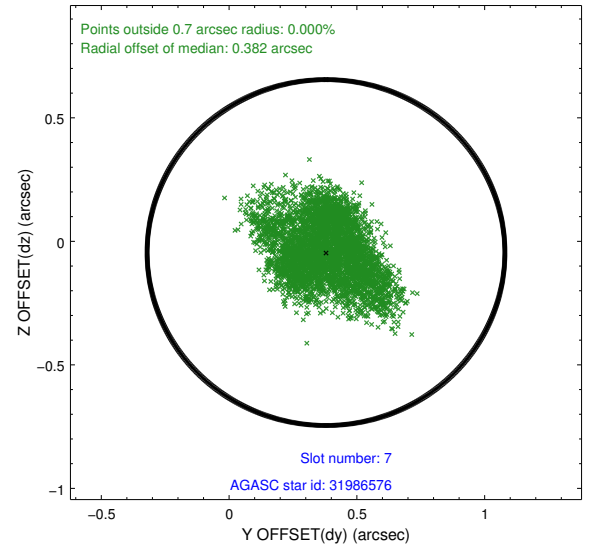
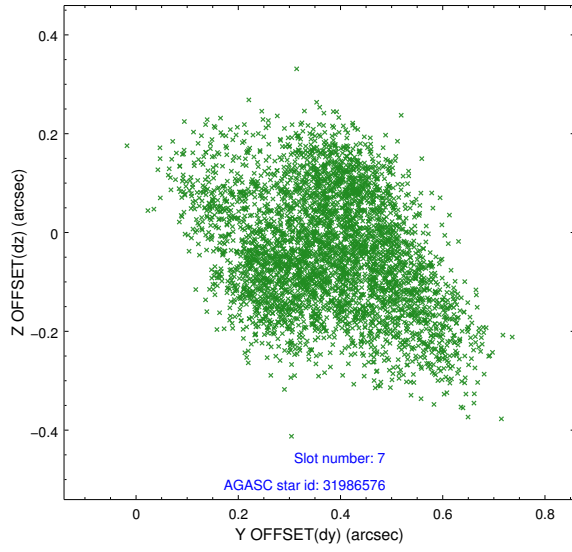
2.4.3 Slot 5



2.4.4 Slot 6

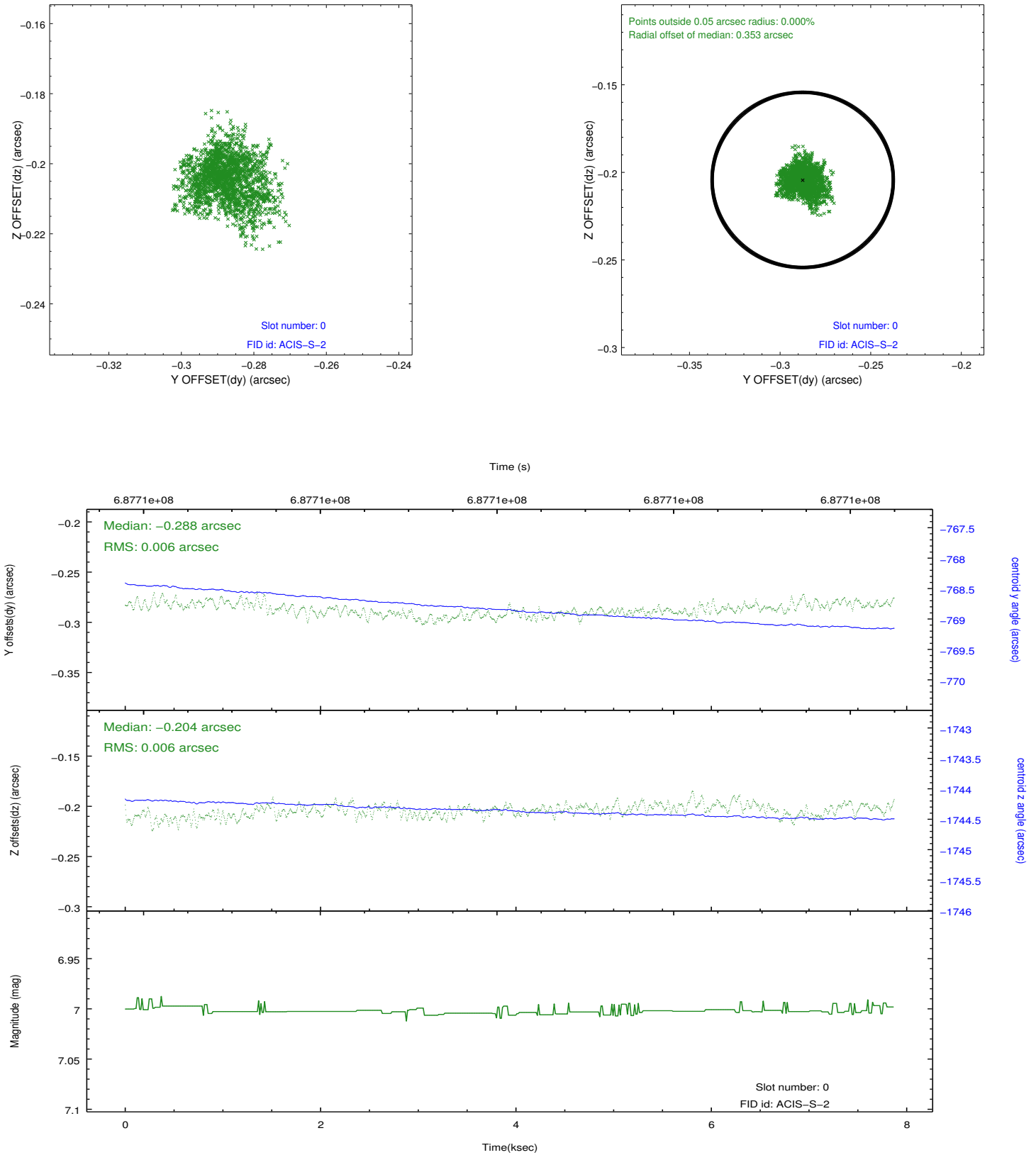


2.4.5 Slot 7

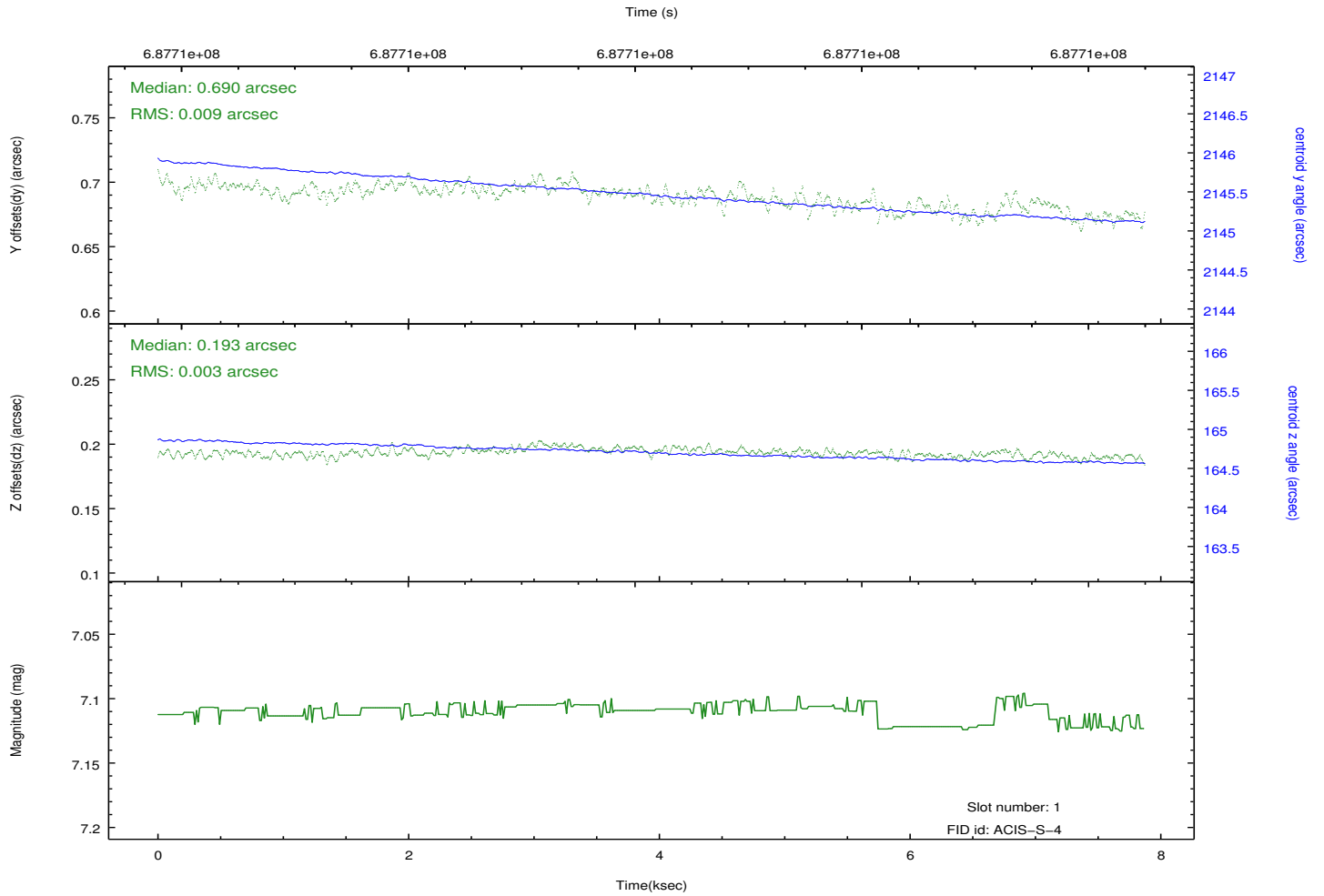
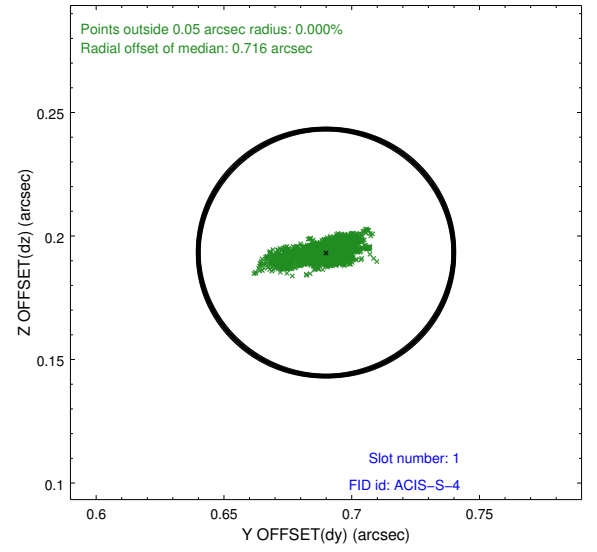
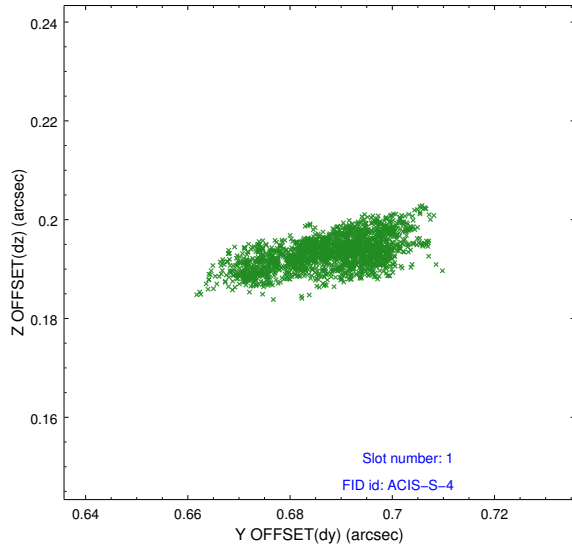


2.5 FID Slots

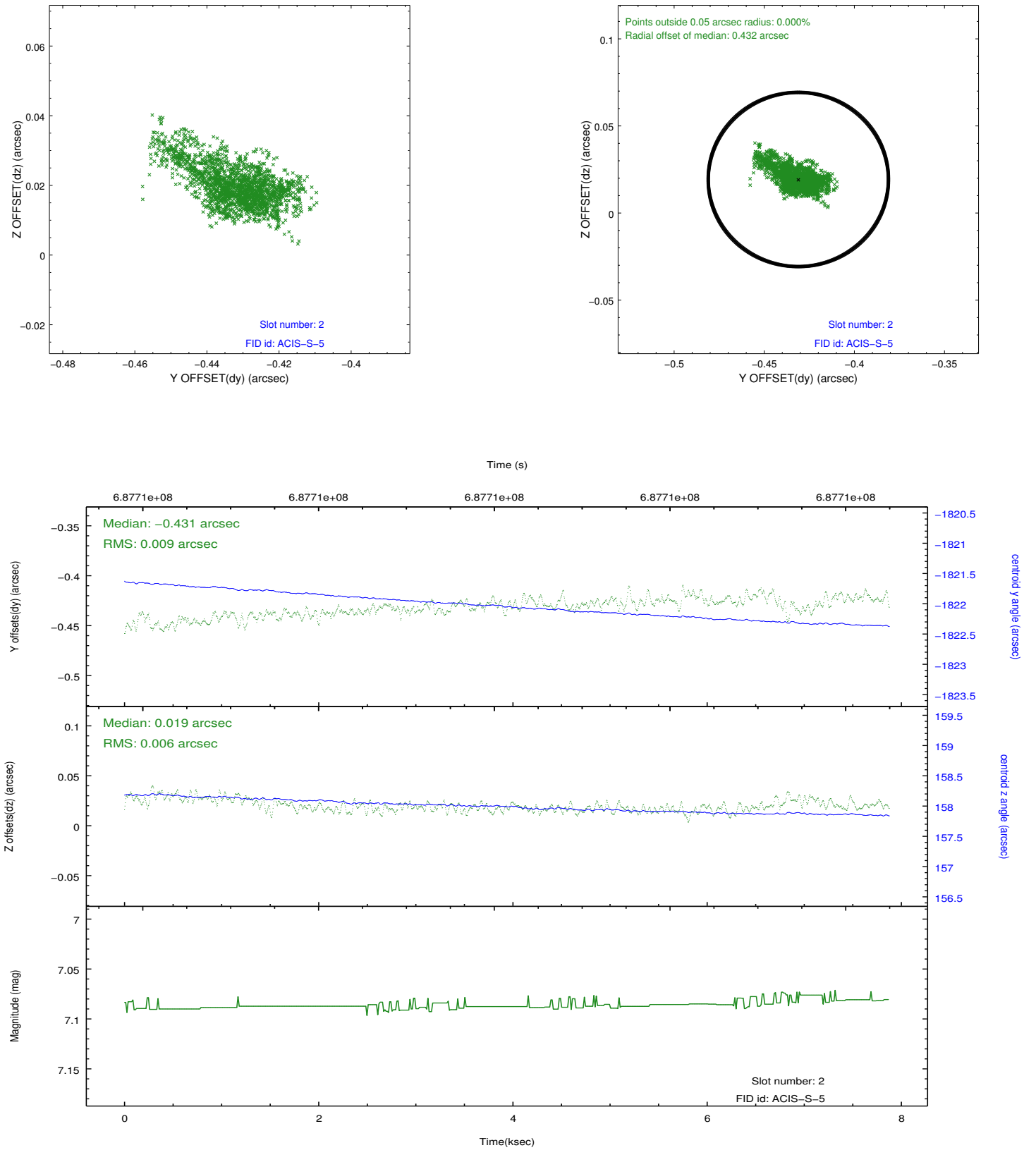
2.5.1 Slot 0



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)	2019.10.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.7779000599384

A.2 Comments