

V&V Reference Report

L2 ASCDS Version : 10.5.2

Observation 19330 - L2 Version 1
Chandra X-Ray Center

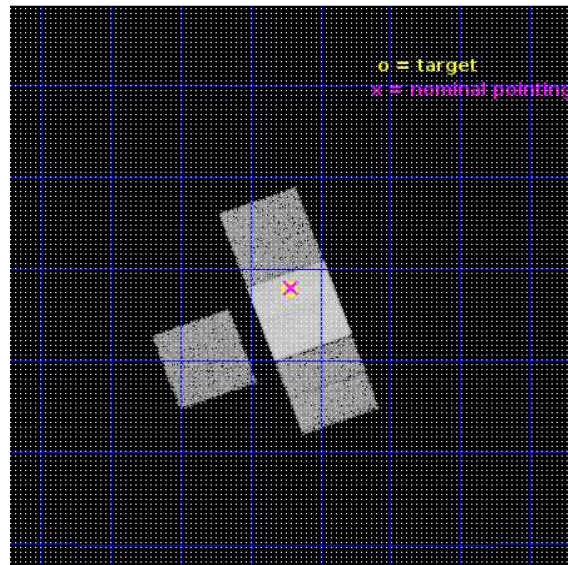
L2 Processing Date : Dec 9 2016

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1 Front

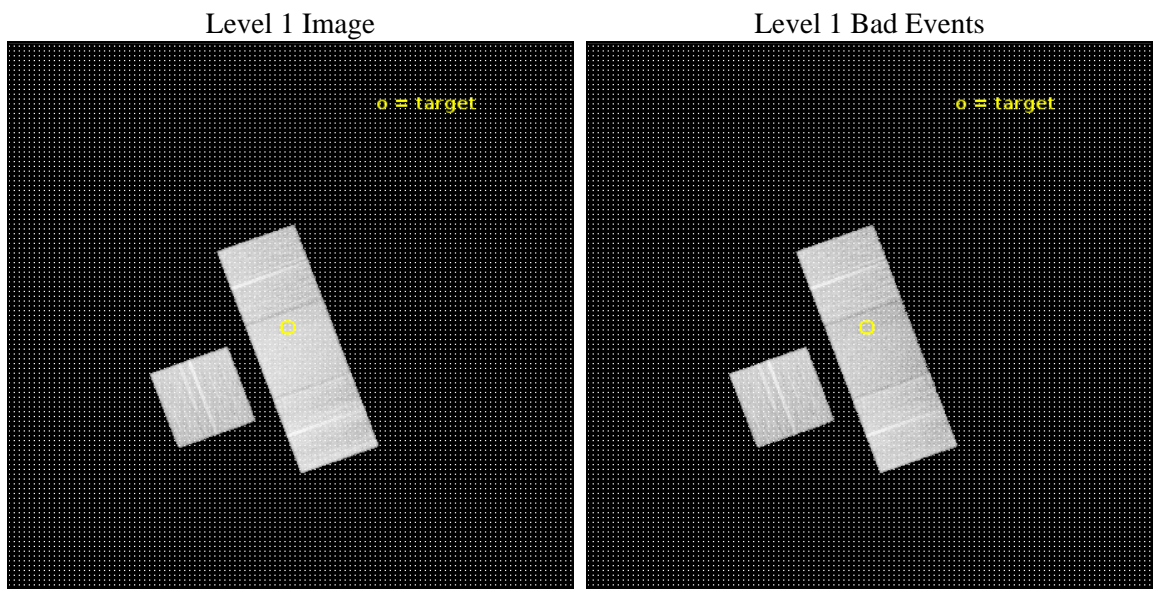
seq_num	601287	Sequence number
obs_id	19330	Observation id
title	Searching for Accreting Black Holes in Lyman Continuum Emitters	Pr
observer	Philip Kaaret	Principal investigator
object	GALEX J075313.3+123749	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	118.304167	Observer's specified target RA [deg]
dec_targ	12.630278	Observer's specified target Dec [deg]
ra_nom	118.30168380646	Nominal RA [deg]
dec_nom	12.632682718377	Nominal Dec [deg]
roll_nom	69.926088791524	Nominal Roll [deg]
revision	1	Processing version of data
ontime	21060.904212832	Sum of GTIs [s]
livetime	20785.72799448	Livetime [s]
ontime3	21060.822132826	Sum of GTIs [s]
ontime6	21054.580992341	Sum of GTIs [s]
ontime7	21060.904212832	Sum of GTIs [s]
ontime8	21060.781092882	Sum of GTIs [s]
l2events	122328	Number of level 2 events



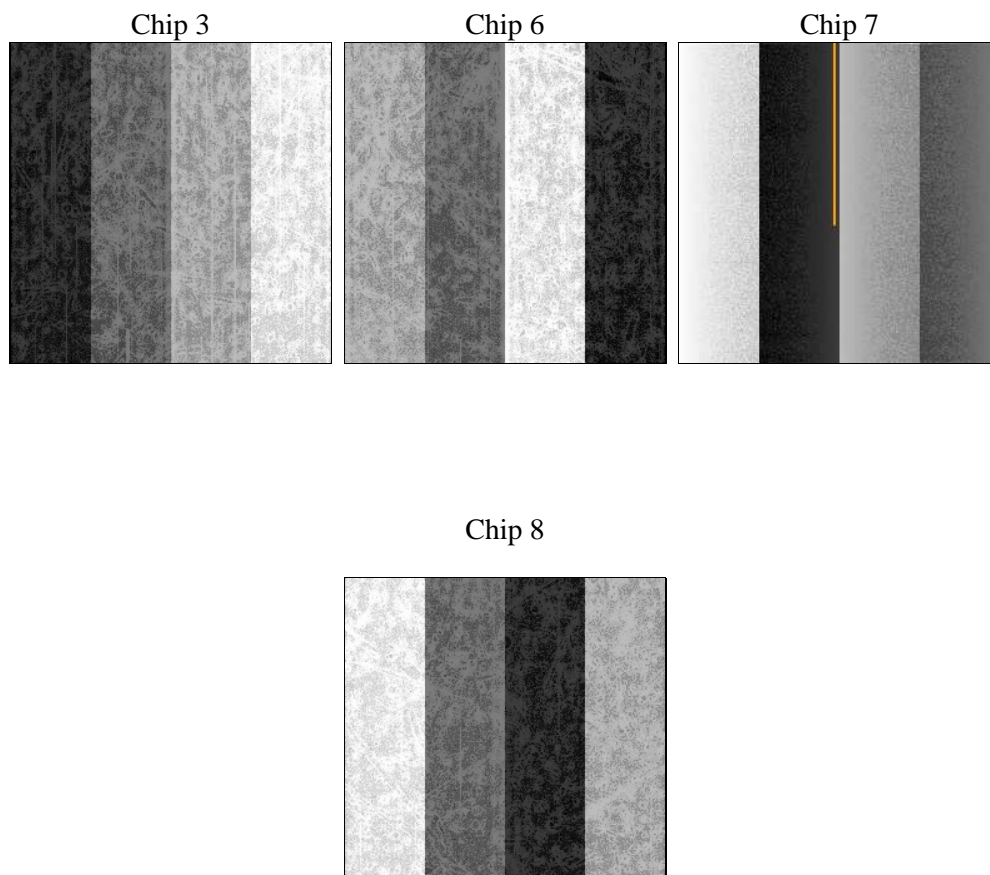
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	21000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.2	Processing system revision	ontime	21060.904212832	Sum of GTIs [s]
caldsver	4.7.2	 	ontime3	21060.822132826	Sum of GTIs [s]
date	2016-12-09T05:17:25	Date and time of file creation	ontime6	21054.580992341	Sum of GTIs [s]
revision	1	Processing version of data	ontime7	21060.904212832	Sum of GTIs [s]
			ontime8	21060.781092882	Sum of GTIs [s]
			l1events	684586	Number of level 1 events

2.1.4 Events

	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	147388	155493	190022	191683
rejected events	132511	138516	109516	145622
rejected %	89%	89%	57%	75%

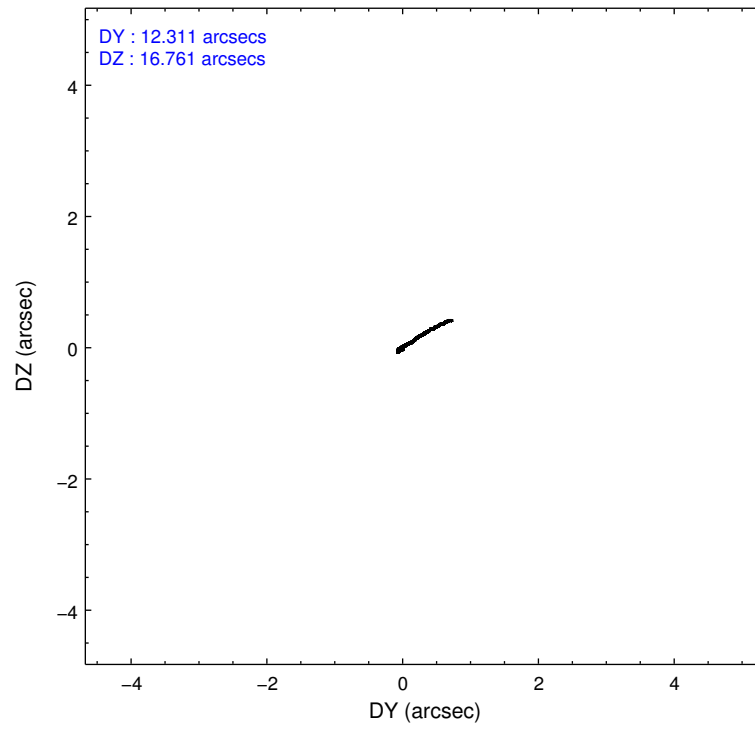
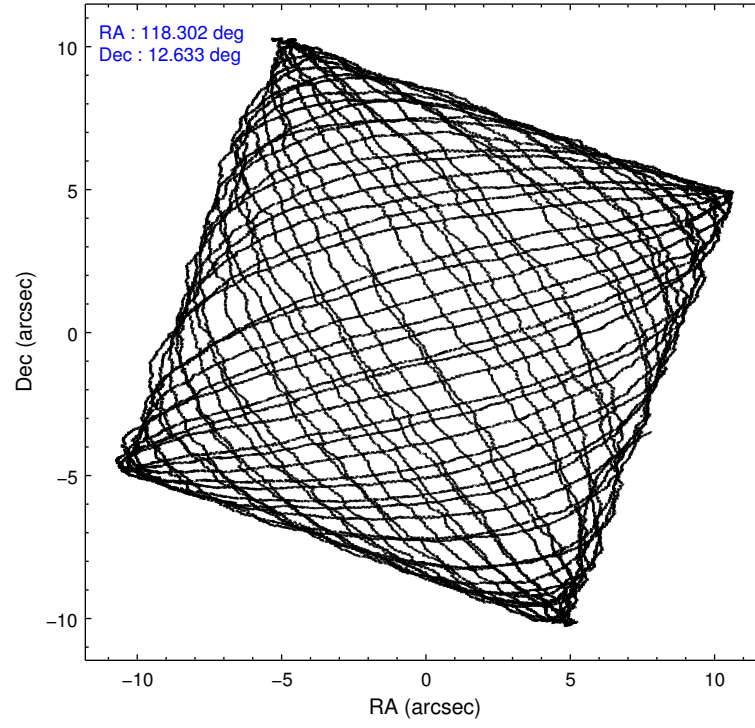
	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	5131	5061	6352	12947
	3%	3%	3%	6%
grade 1 events	83	70	210	126
	0%	0%	0%	0%
grade 2 events	3285	4485	17162	11626
	2%	2%	9%	6%
grade 3 events	1614	1518	5695	4647
	1%	0%	2%	2%
grade 4 events	1620	1453	5545	4418
	1%	0%	2%	2%
grade 5 events	6603	6404	17301	9967
	4%	4%	9%	5%
grade 6 events	3231	4469	45776	12441
	2%	2%	24%	6%
grade 7 events	125821	132033	91981	135511
	85%	84%	48%	70%

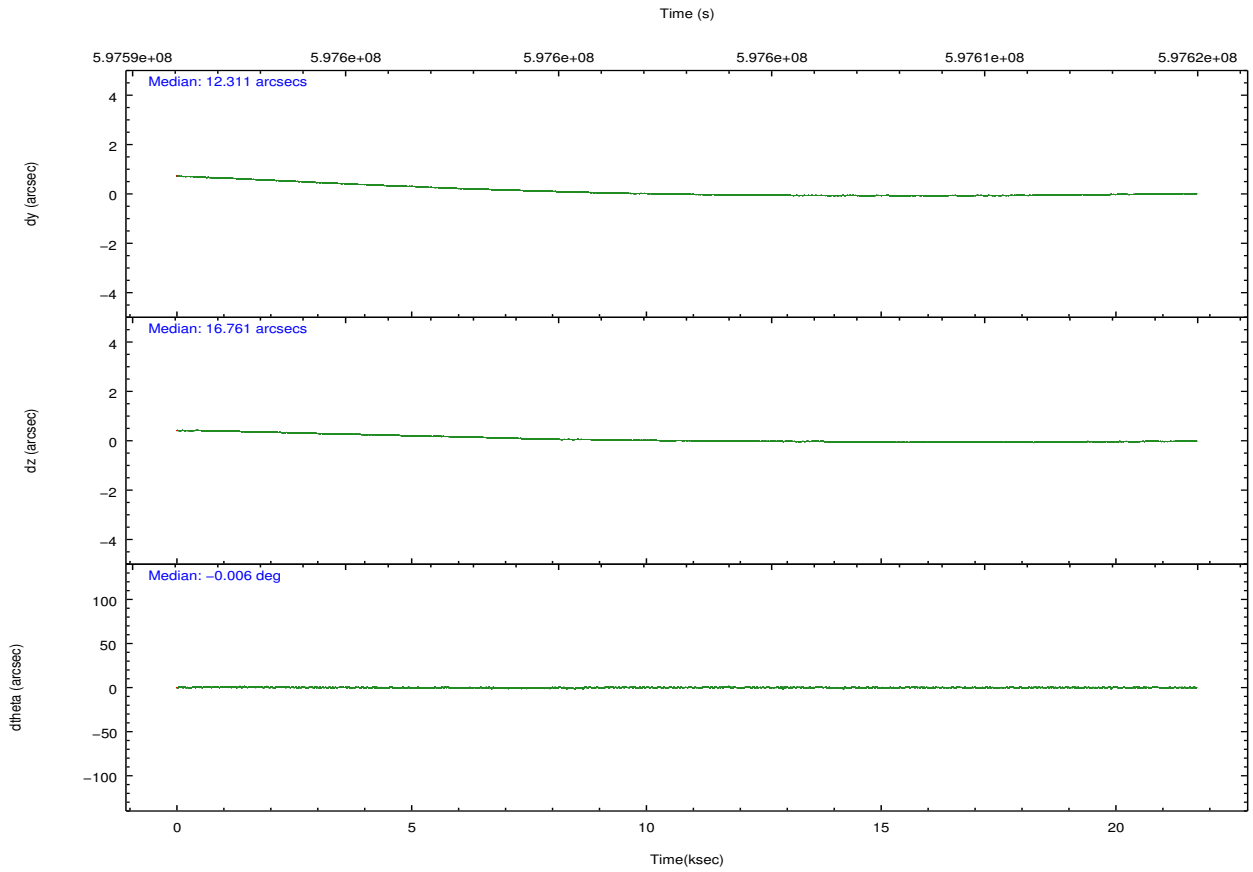
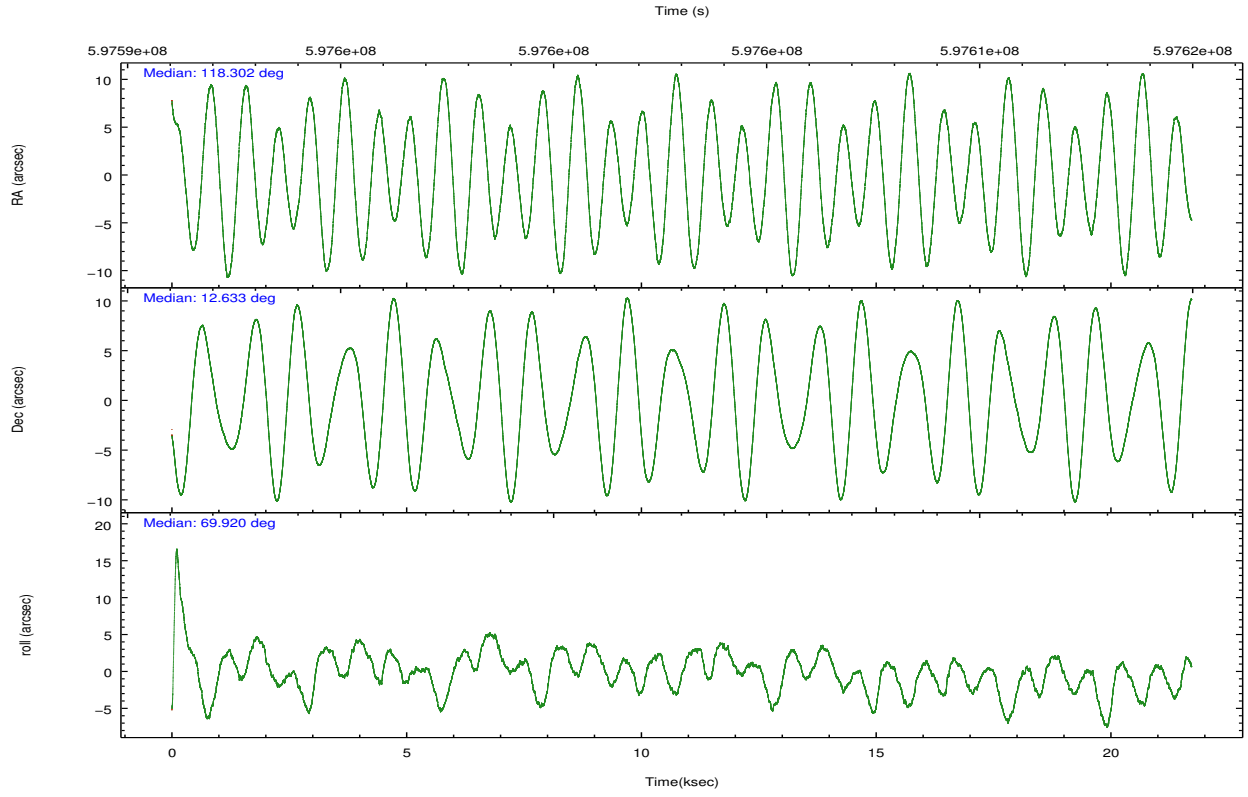
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-3678	ACIS-3678
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	118.306891	118.301683806455
[deg] Pointing Dec	12.605731	12.63268271837736
[deg] Pointing Roll	69.768339	69.92608879152432
[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)	597592878.184000	597591588.29634
Observation start date	2016-12-08T14:00:10	2016-12-08T13:39:48
[s] Observation end time (MET)	597613878.184000	597614926.5226901
Observation end date	2016-12-08T19:50:10	2016-12-08T20:08:46
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
CCD I0 on	N	N
CCD I1 on	N	N
CCD I2 on	O1	N
CCD I3 on	Y	Y
CCD S0 on	N	N
CCD S1 on	N	N
CCD S2 on	Y	Y
CCD S3 on	Y	Y
CCD S4 on	Y	Y
CCD S5 on	N	N
Number of optional ACIS chips dropped	1	1
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.1

2.3 Aspect



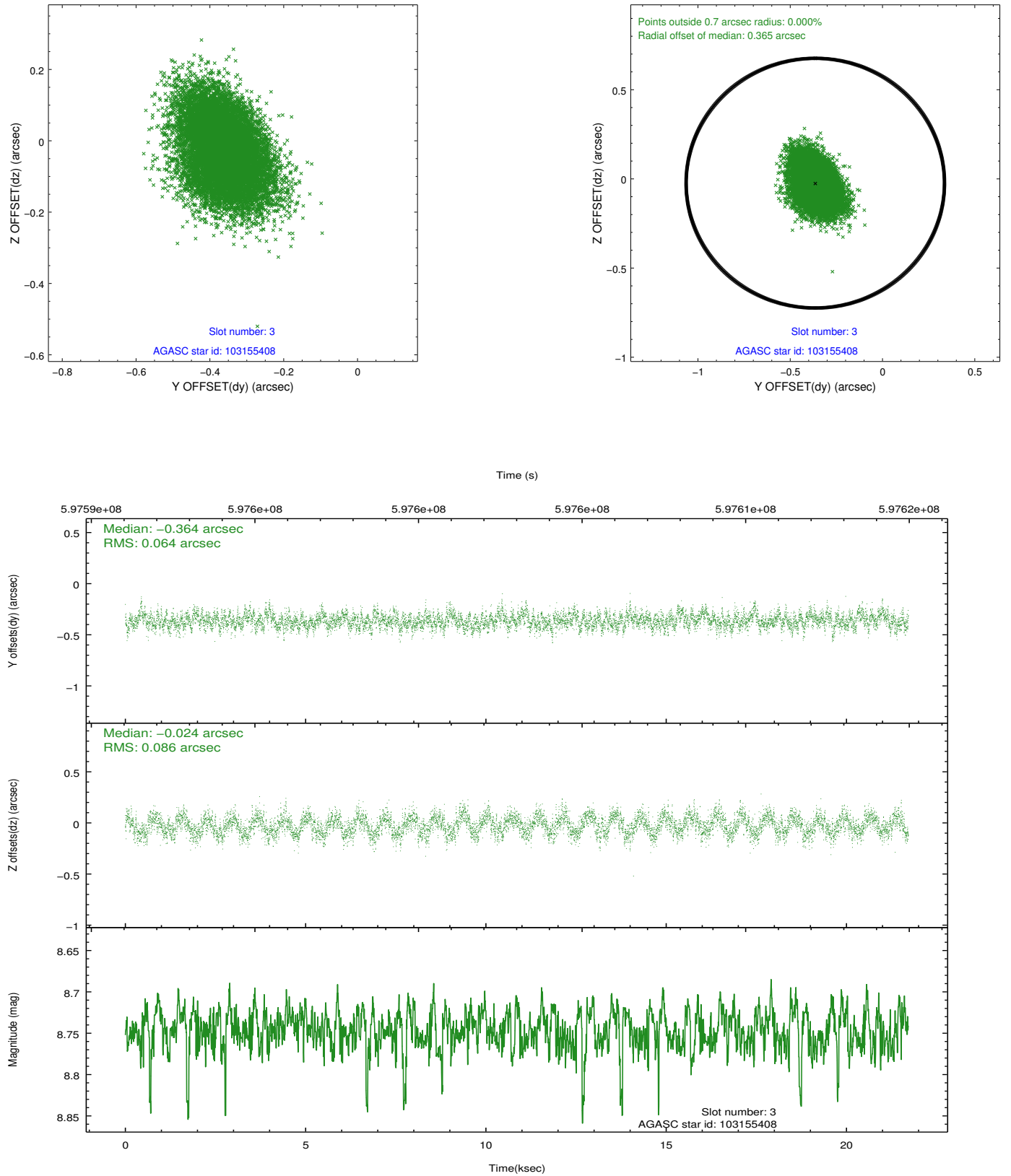


Slot Statistics

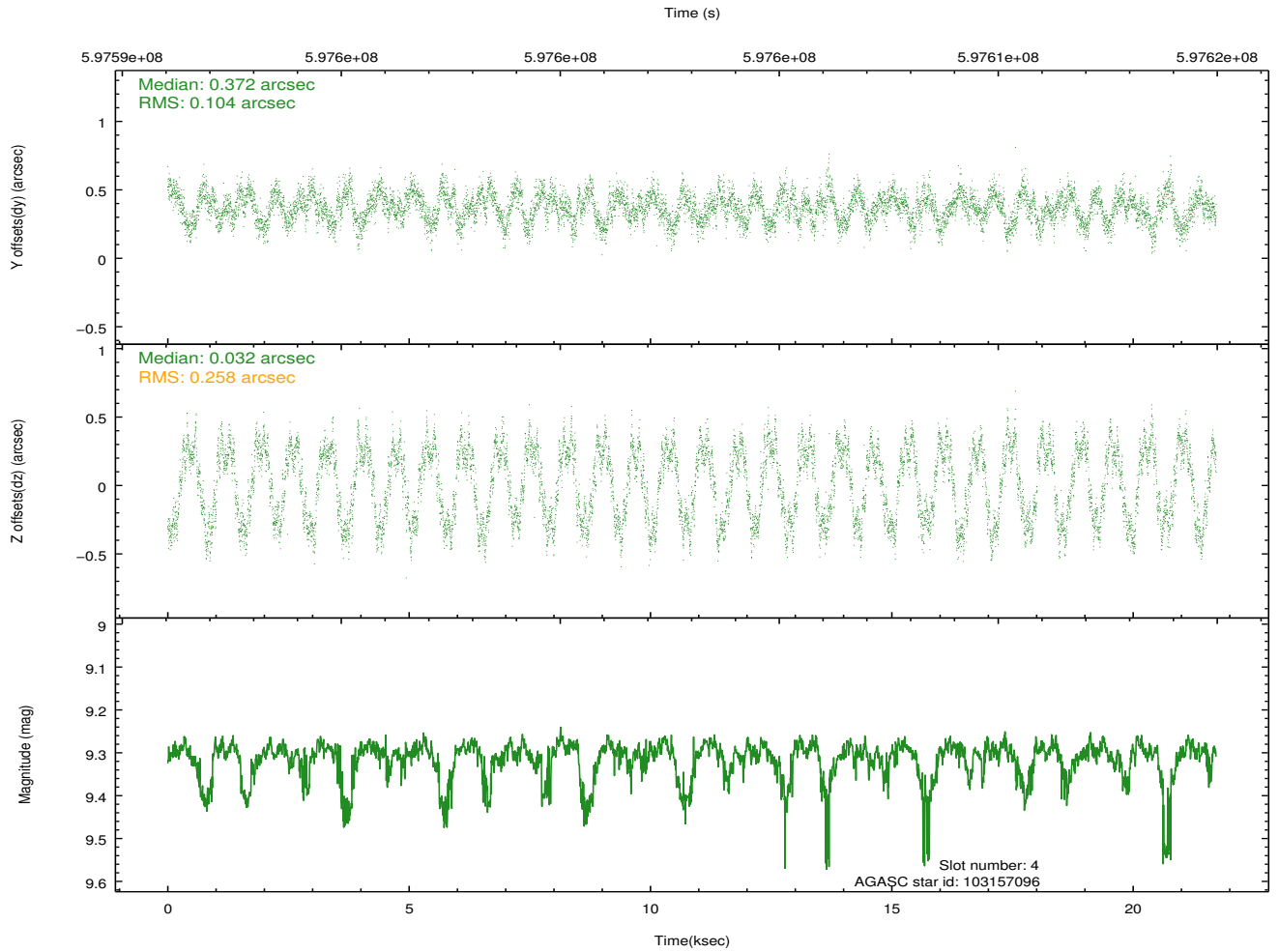
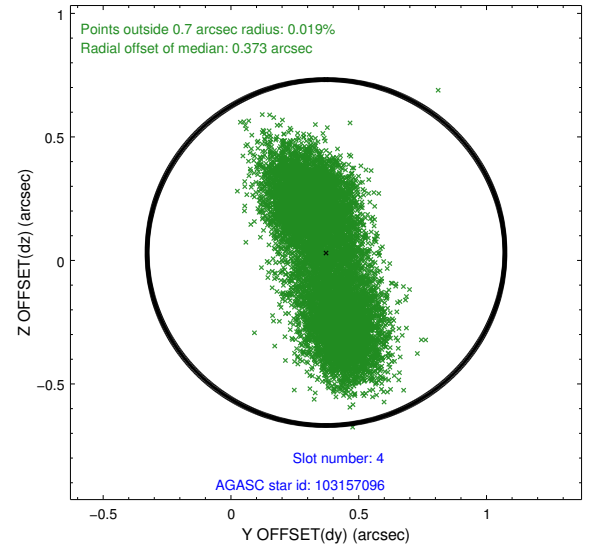
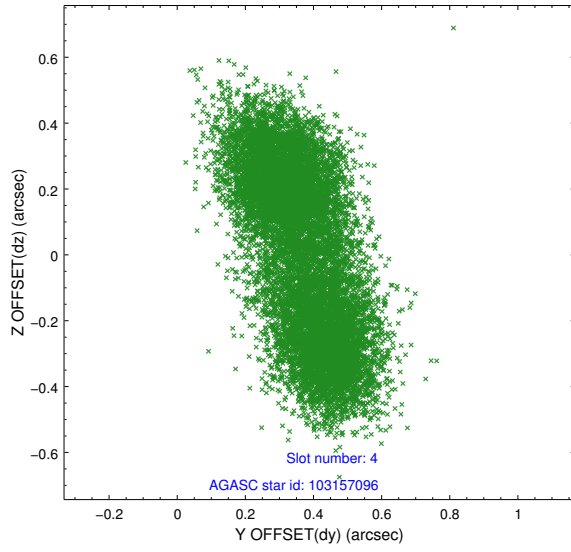
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.26	5297	0.073	-0.093	0.014	0.028	0.000000	0.000000	930.80	-1733.98
1	FID		ACIS-S-4	7.29	5297	0.308	0.035	0.012	0.026	0.000000	0.000000	2148.49	170.16
2	FID		ACIS-S-5	7.29	5298	-0.406	0.072	0.013	0.039	0.000000	0.000000	-1818.39	163.90
3	GUIDE	used	103155408	8.75	10586	-0.364	-0.024	0.114	0.186	118.414939	12.742659	593.72	-185.19
4	GUIDE	used	103157096	9.30	10581	0.372	0.032	0.308	0.455	118.192293	12.035675	-2064.32	-331.05
5	GUIDE	used	103158072	8.55	10589	-0.049	-0.307	0.130	0.215	118.025929	12.603891	-347.54	923.99
6	GUIDE	used	103160792	8.87	10588	-0.004	0.218	0.129	0.208	118.429561	11.999955	-1896.44	-1159.11
7	GUIDE	used	103285816	9.25	10582	0.048	0.114	0.178	0.290	119.040248	12.653182	1054.78	-2356.31

2.4 Star Slots

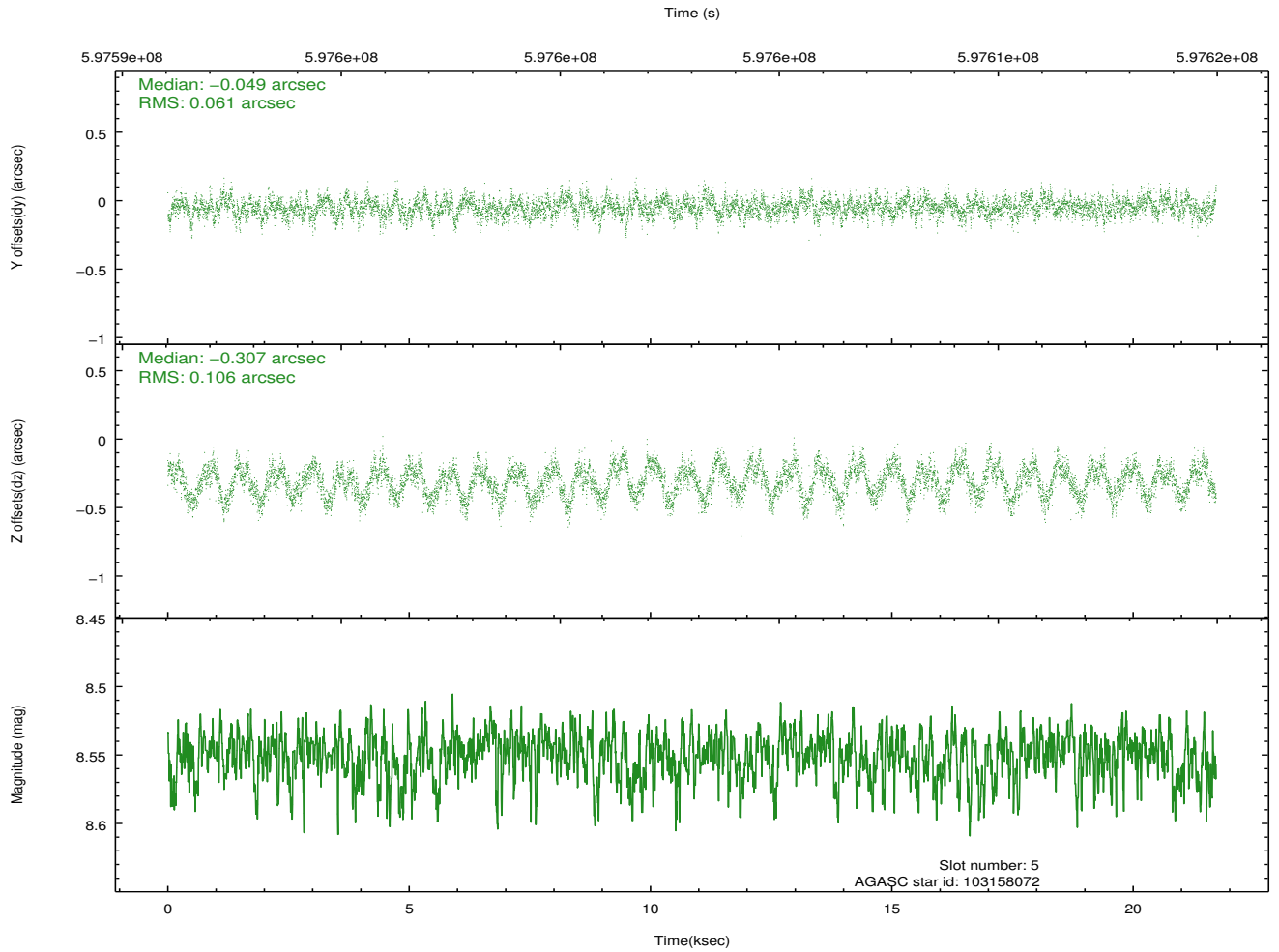
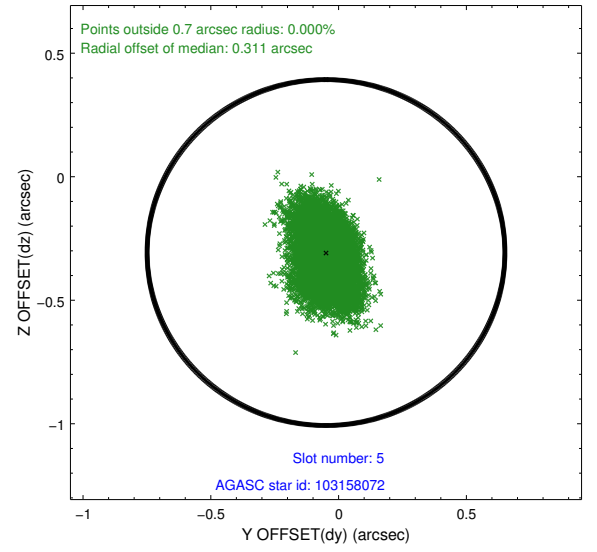
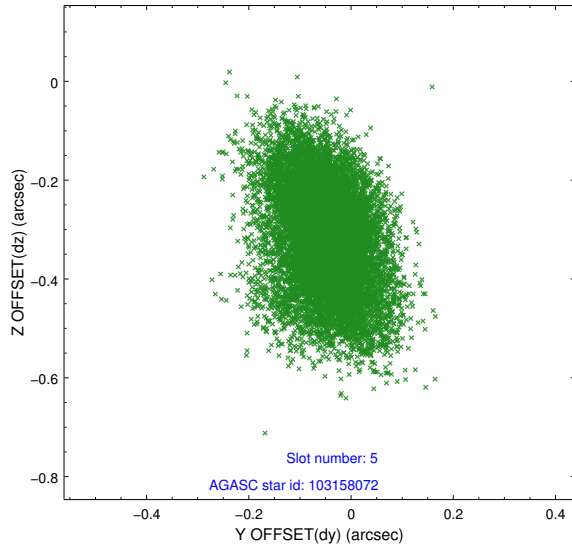
2.4.1 Slot 3



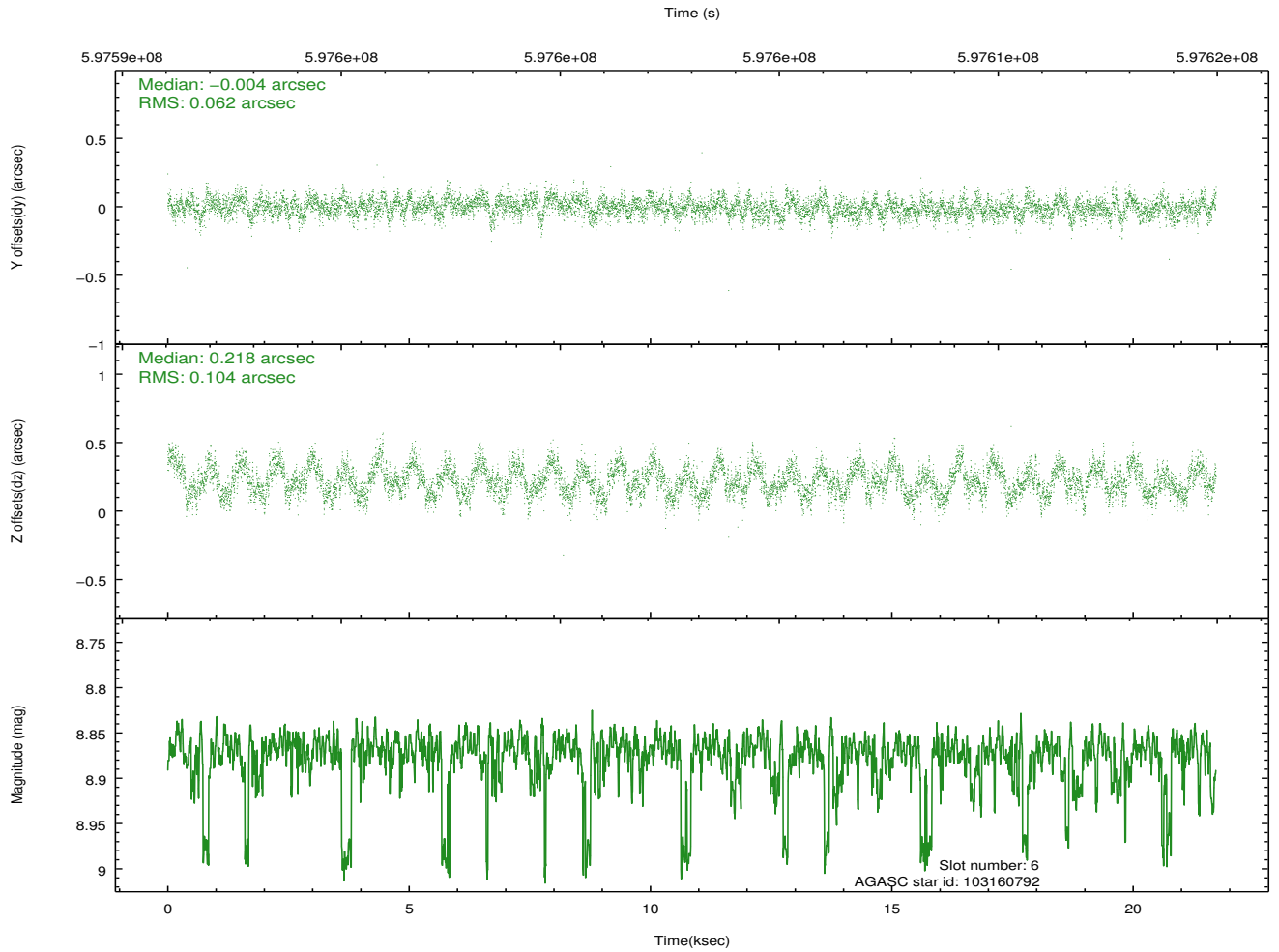
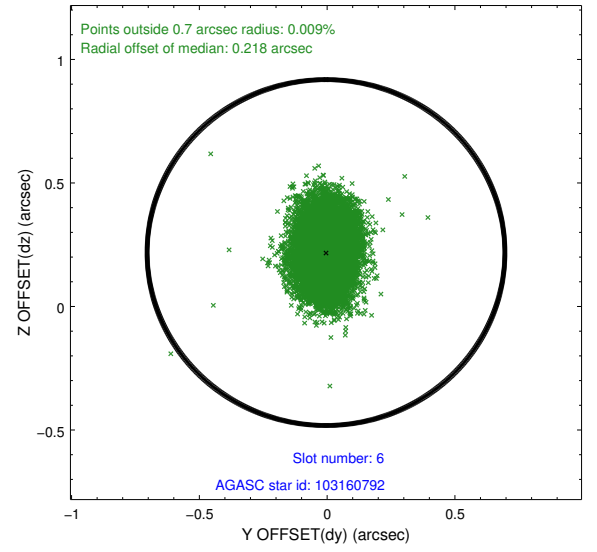
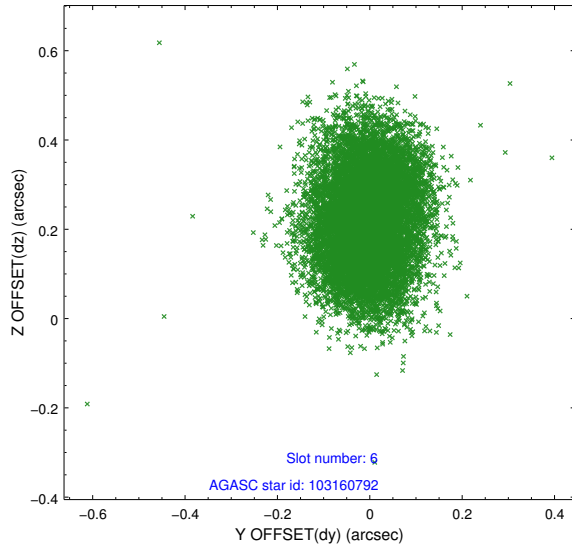
2.4.2 Slot 4



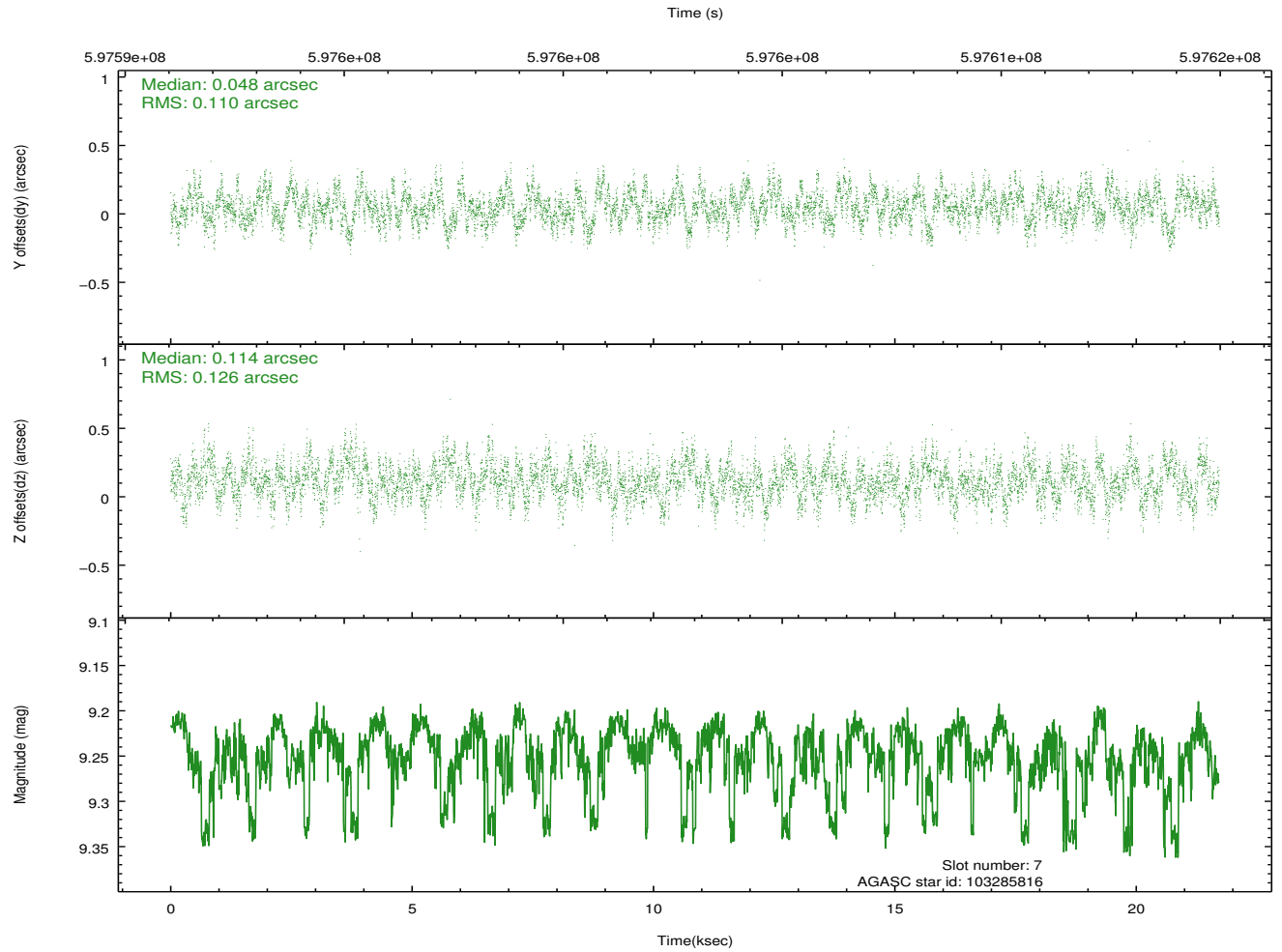
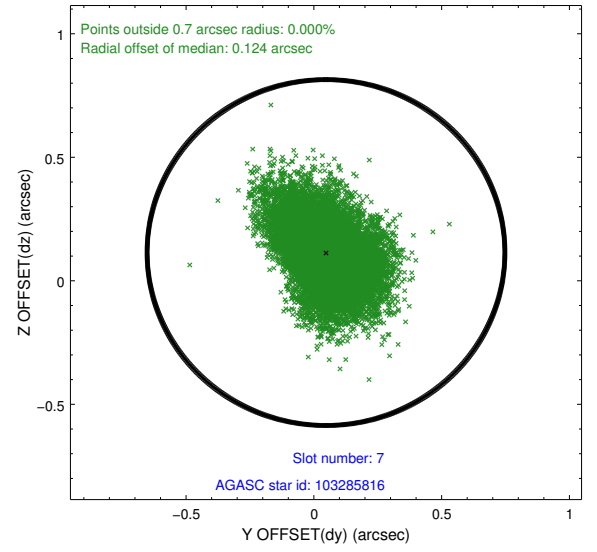
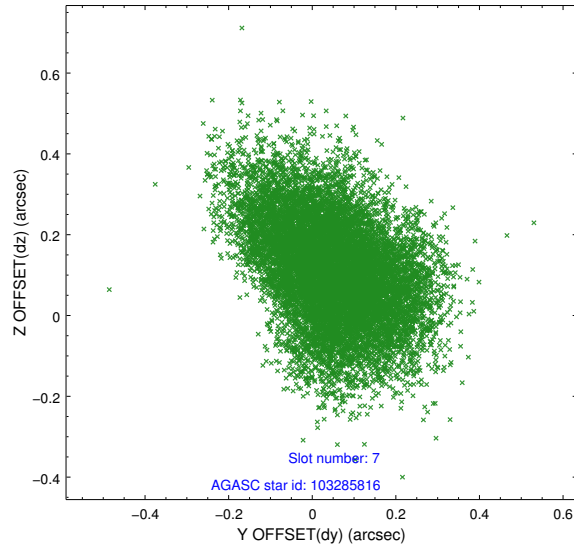
2.4.3 Slot 5



2.4.4 Slot 6

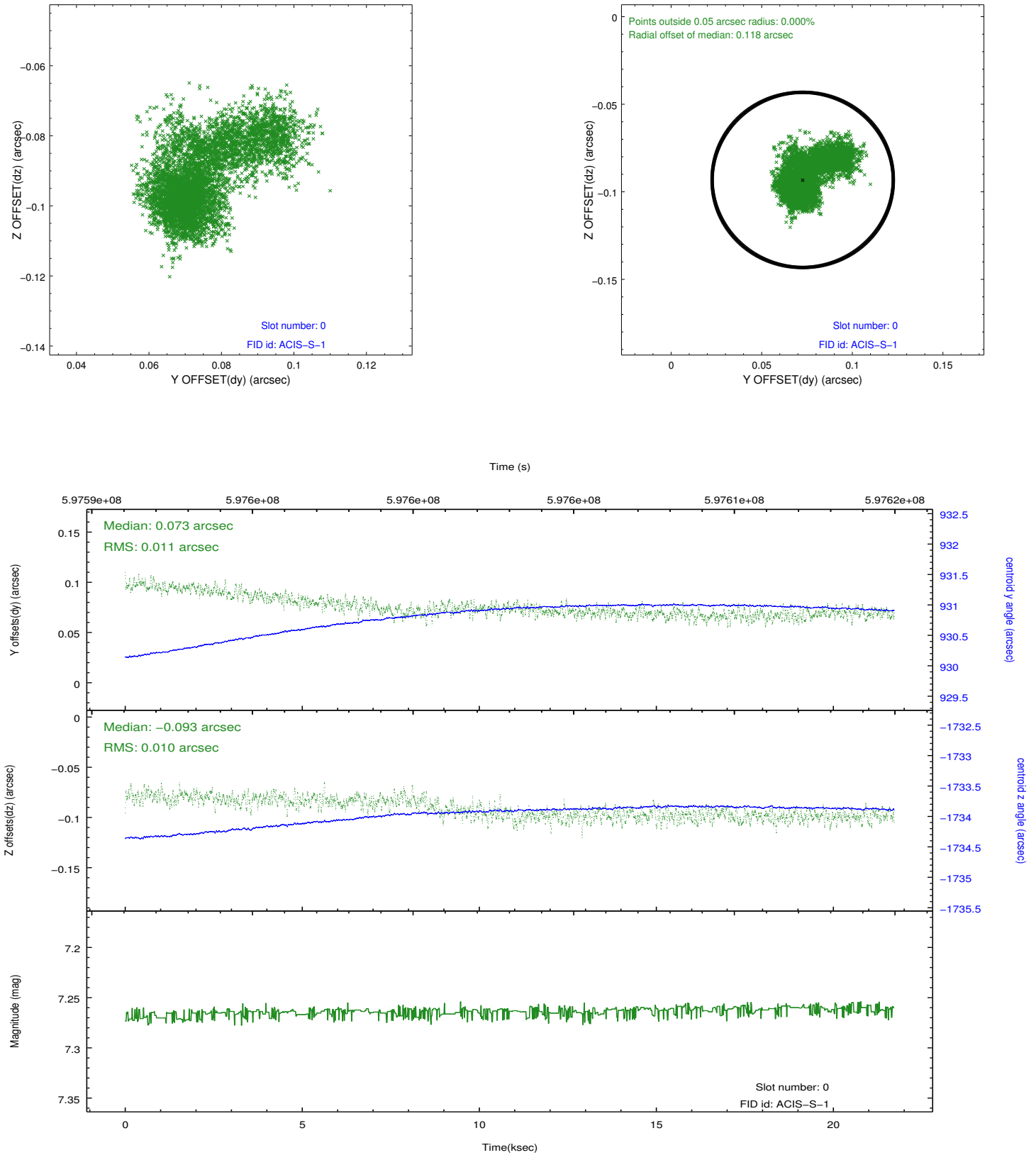


2.4.5 Slot 7

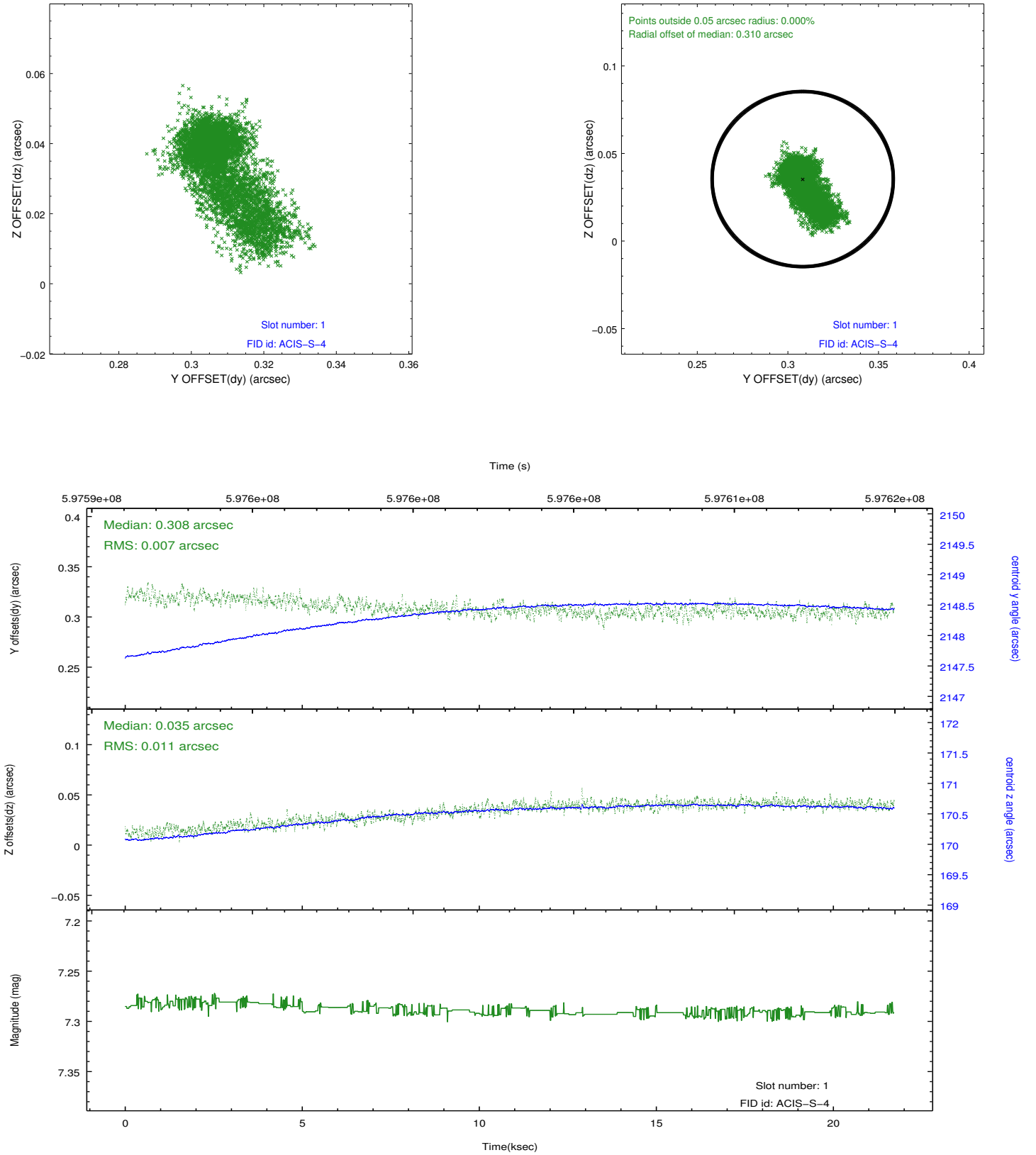


2.5 FID Slots

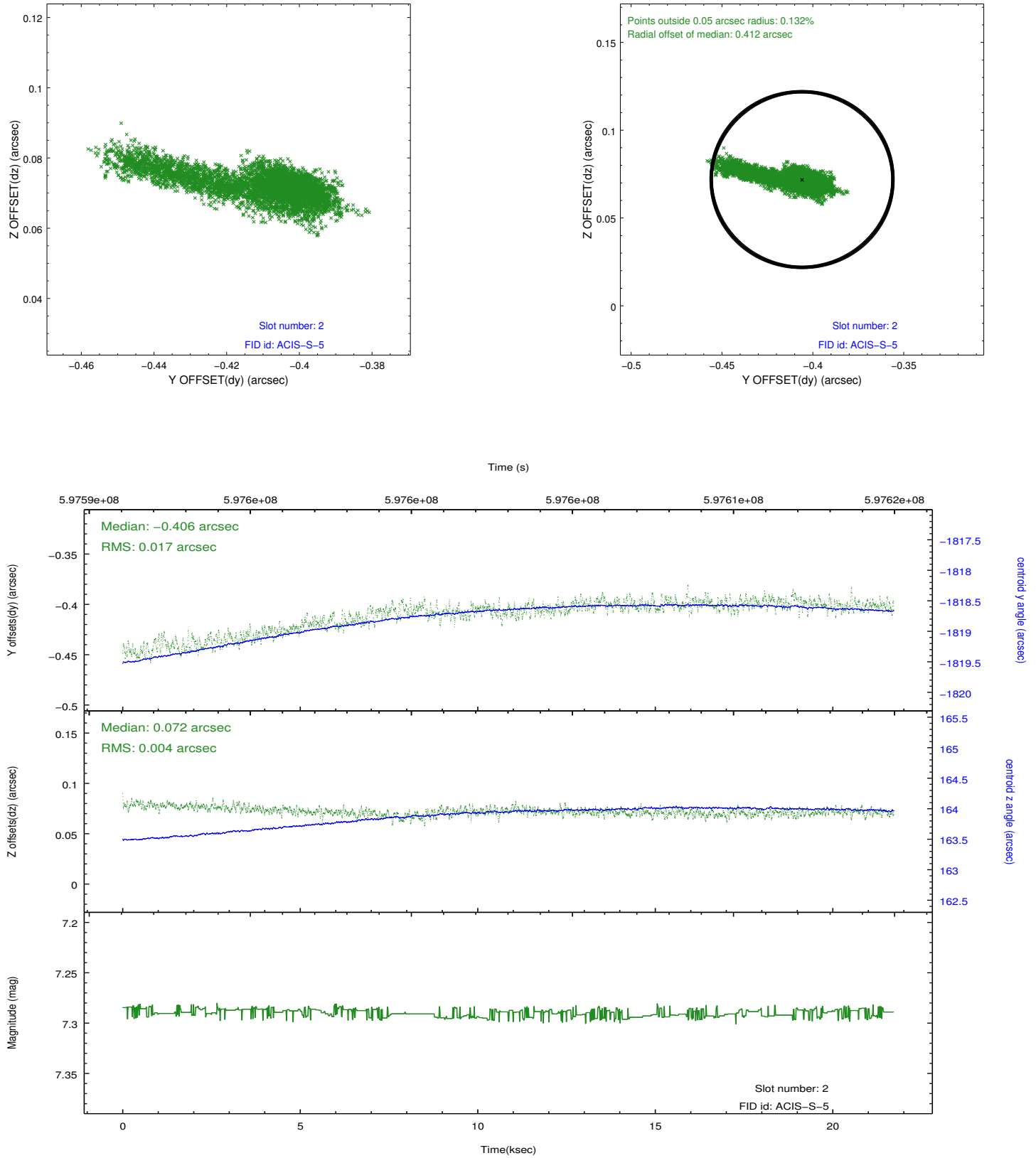
2.5.1 Slot 0



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)	2016.12.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	21.060904212832

A.2 Comments