

V&V Reference Report

L2 ASCDS Version : 10.7

Observation 21382 - L2 Version 1
Chandra X-Ray Center

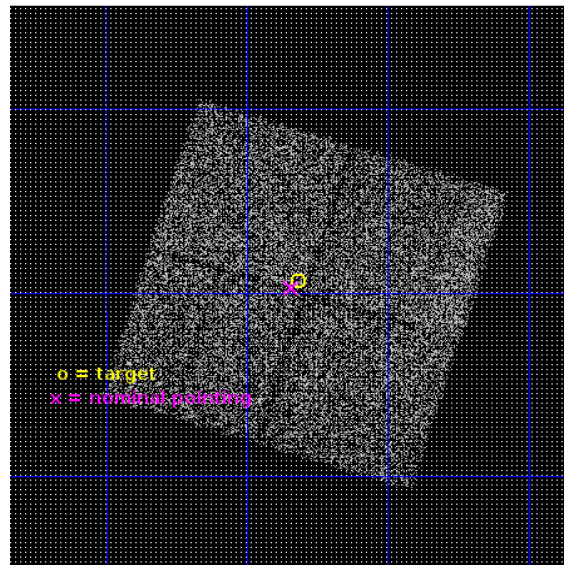
L2 Processing Date : Nov 8 2018

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

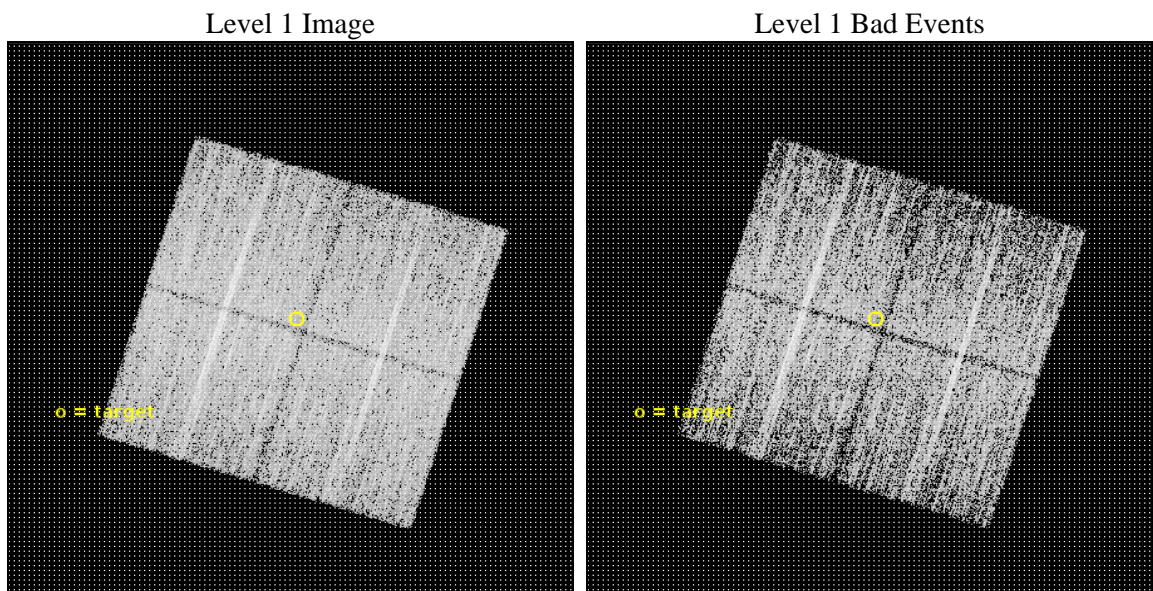
seq_num	601434	Sequence number
obs_id	21382	Observation id
title	MISSING BARYONS AND THE WARM-HOT CIRCUMGALACTIC MEDIUM OF THE MILKY WAY	Proposal title
observer	Anjali Gupta	Principal investigator
object	Off-field5	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	318.32875	Observer's specified target RA [deg]
dec_targ	-10.489	Observer's specified target Dec [deg]
ra_nom	318.33541258	Nominal RA [deg]
dec_nom	-10.495581132003	Nominal Dec [deg]
roll_nom	287.46042460863	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10077.082049966	Sum of GTIs [s]
livetime	9945.4175543432	Livetime [s]
ontime0	10076.958930016	Sum of GTIs [s]
ontime1	10076.999969959	Sum of GTIs [s]
ontime2	10077.041010022	Sum of GTIs [s]
ontime3	10077.082049966	Sum of GTIs [s]
l2events	27525	Number of level 2 events



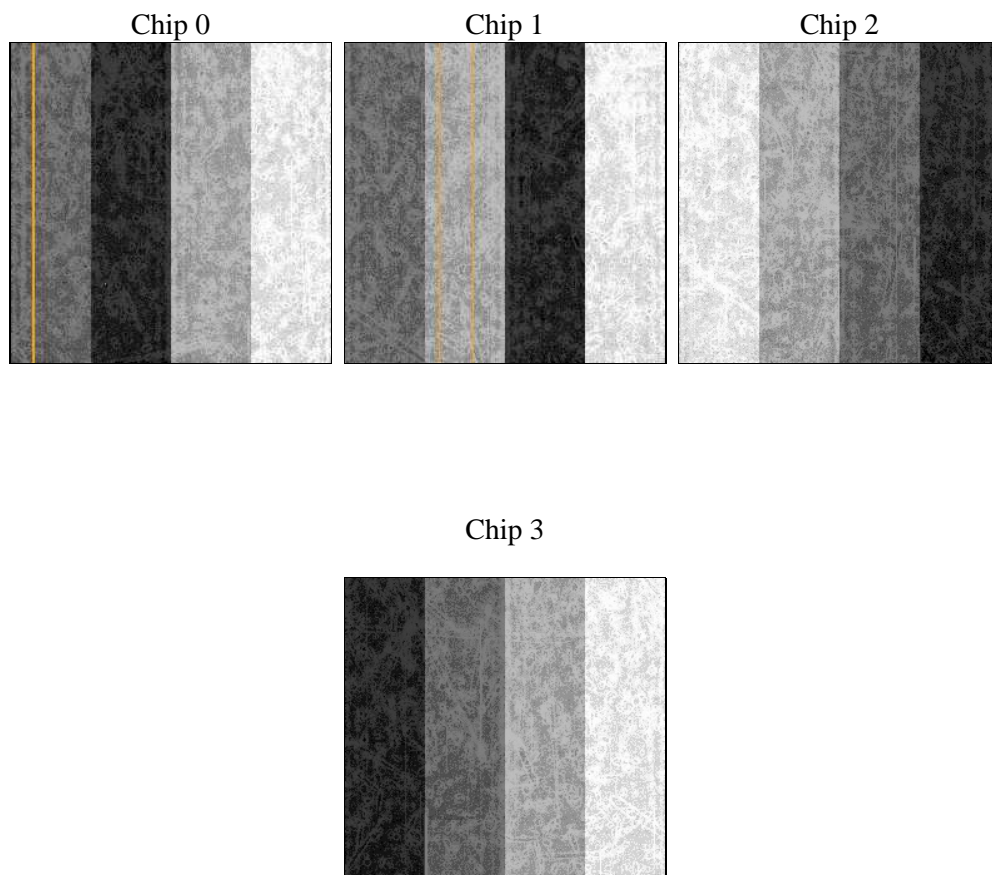
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.7	Processing system revision	ontime	10077.082049966	Sum of GTIs [s]
caldsver	4.8.0.1	 	ontime0	10076.958930016	Sum of GTIs [s]
date	2018-11-09T01:25:36	Date and time of file creation	ontime1	10076.999969959	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	10077.041010022	Sum of GTIs [s]
			ontime3	10077.082049966	Sum of GTIs [s]
			l1events	291612	Number of level 1 events

2.1.4 Events

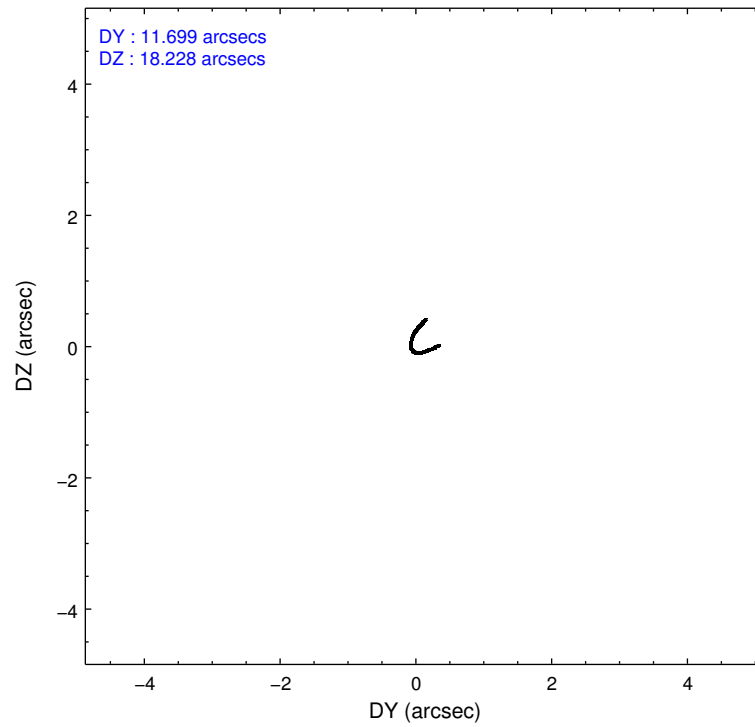
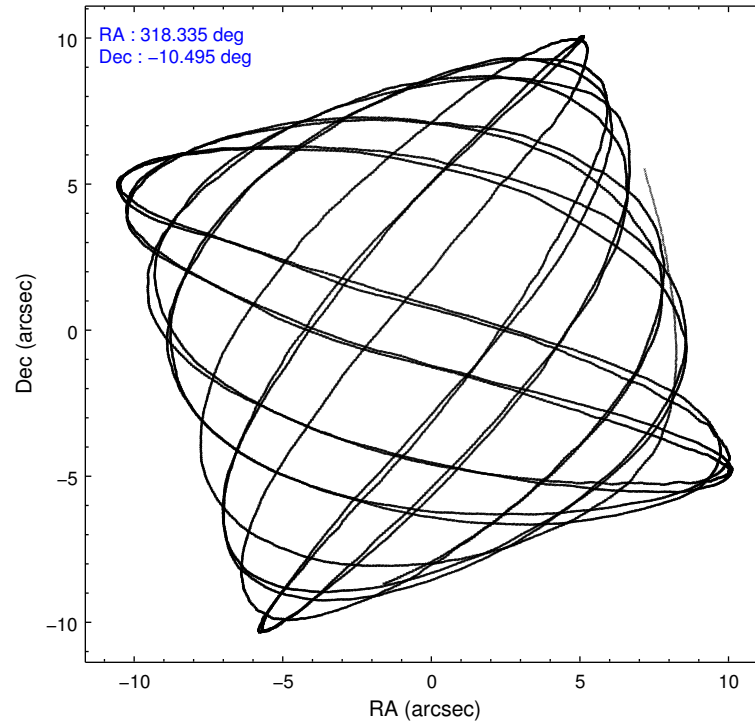
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	70977	70628	76023	73984
rejected events	62795	61448	68273	66275
rejected %	88%	87%	89%	89%

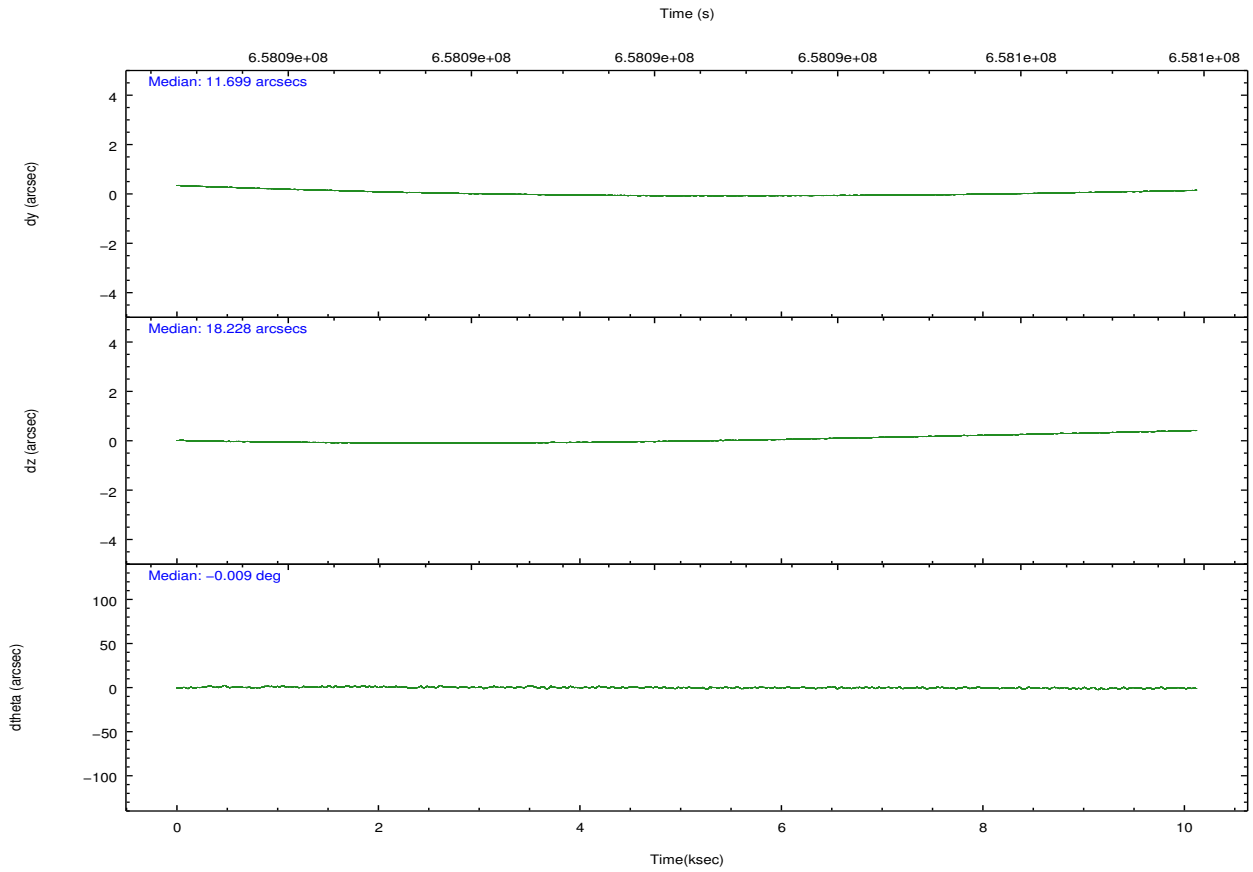
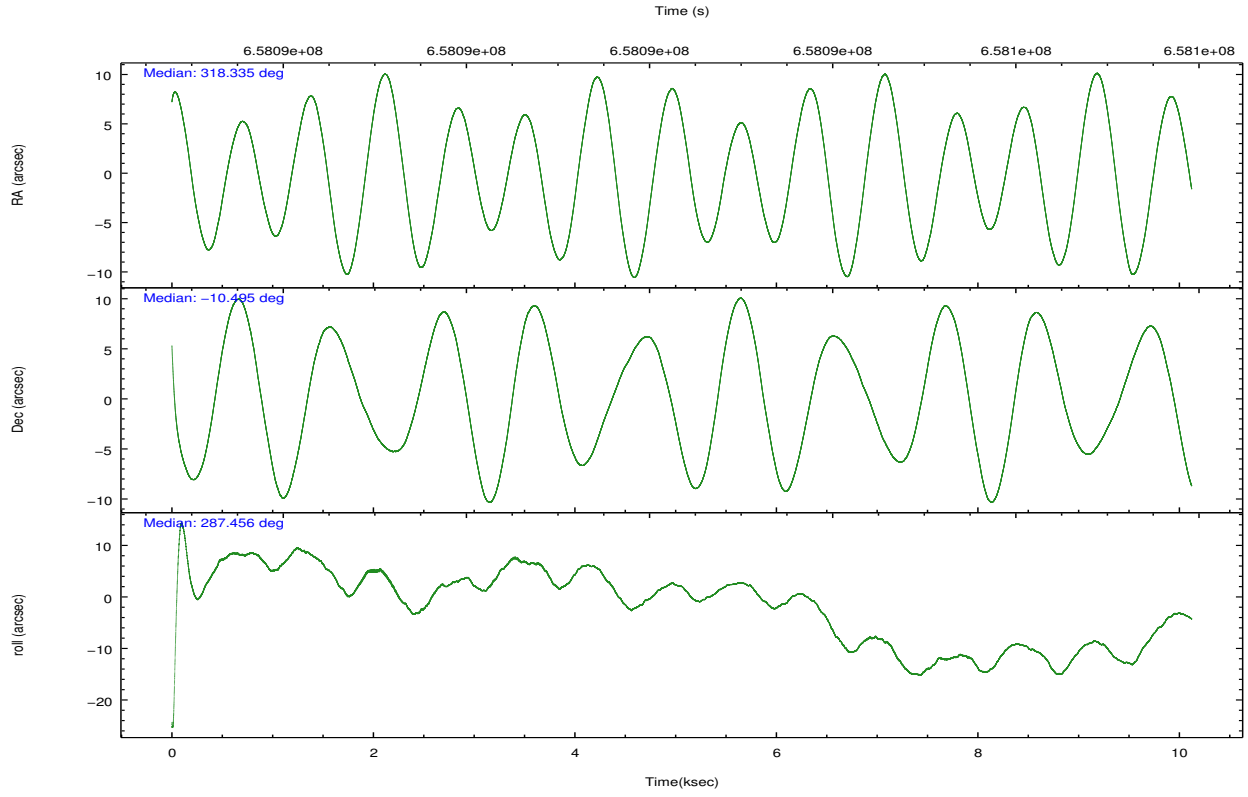
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	2690	2865	2748	2621
	3%	4%	3%	3%
grade 1 events	31	40	45	43
	0%	0%	0%	0%
grade 2 events	2133	2580	1797	1708
	3%	3%	2%	2%
grade 3 events	862	814	807	849
	1%	1%	1%	1%
grade 4 events	734	782	804	819
	1%	1%	1%	1%
grade 5 events	3036	3193	2956	3438
	4%	4%	3%	4%
grade 6 events	1767	2144	1597	1718
	2%	3%	2%	2%
grade 7 events	59724	58210	65269	62788
	84%	82%	85%	84%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	318.314630	318.3354125799999	Subarray requested	NONE	NONE
[deg] Pointing Dec	-10.476985	-10.49558113200277	Alternating exposures requested	N	N
[deg] Pointing Roll	287.248028	287.4604246086286	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	658087404.184000	658086560.97541			
Observation start date	2018-11-08T18:02:15	2018-11-08T17:49:20			
[s] Observation end time (MET)	658097404.184000	658097932.83859			
Observation end date	2018-11-08T20:48:55	2018-11-08T20:58:52			
Read mode	TIMED	TIMED			

2.3 Aspect



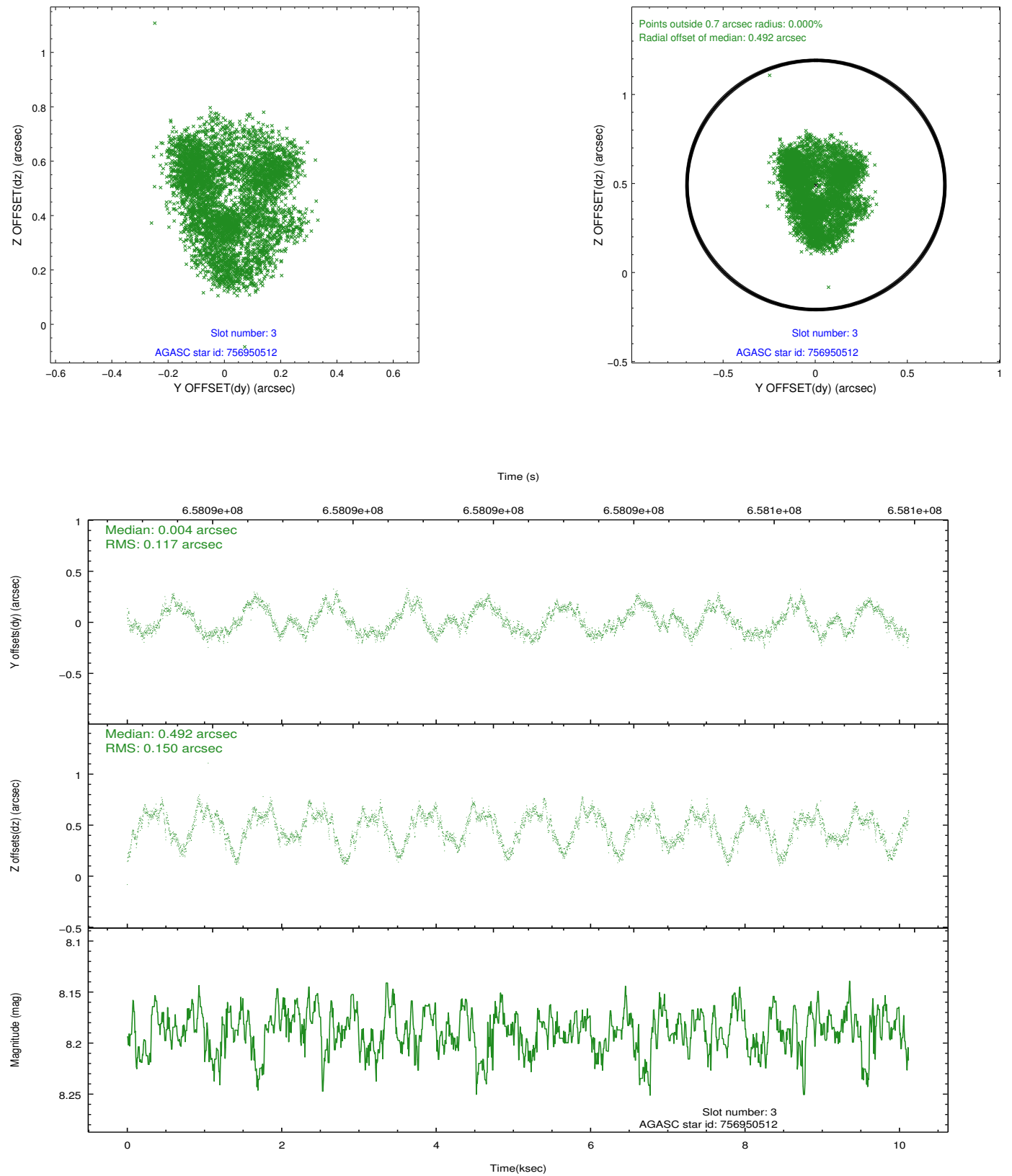


Slot Statistics

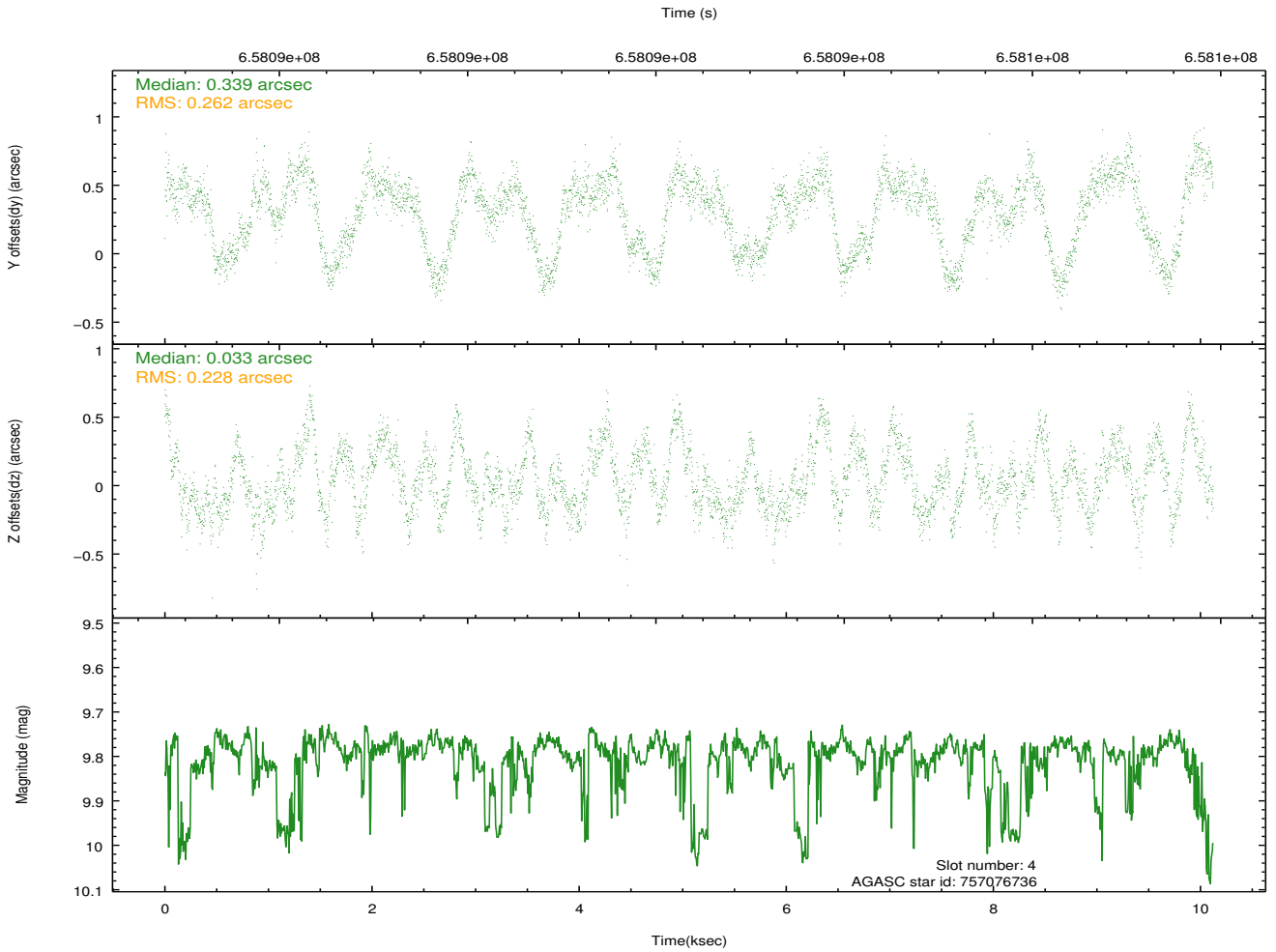
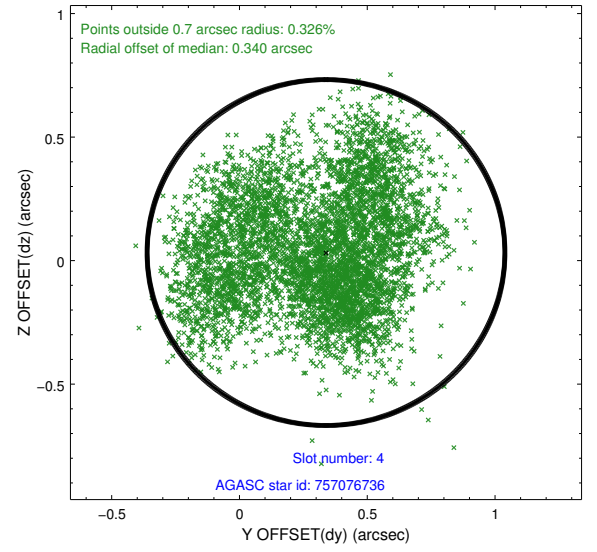
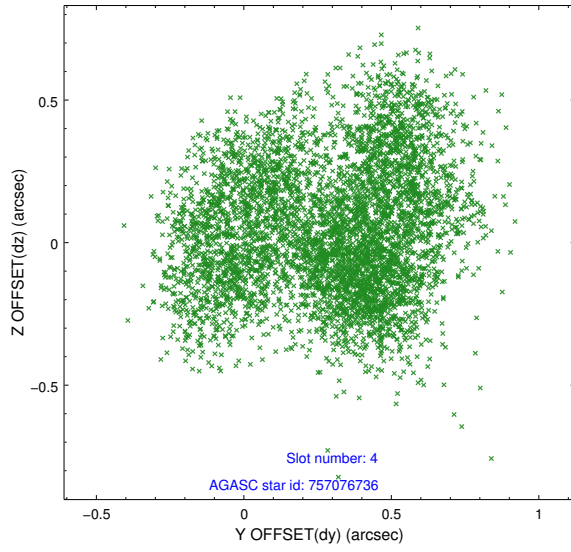
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-1	7.21	2469	1.000	-0.096	-0.127	0.009	0.016	0.000000	0.000000	927.83	-842
1	FID		ACIS-I-4	7.13	2469	1.000	0.596	0.158	0.010	0.017	0.000000	0.000000	2148.62	1057
2	FID		ACIS-I-5	7.21	2469	1.000	-0.599	0.040	0.009	0.015	0.000000	0.000000	-1820.24	1055
3	GUIDE	used	756950512	8.19	4936	1.000	0.004	0.492	0.205	0.307	317.684579	-10.209462	-1578.82	-1846
4	GUIDE	used	757076736	9.79	4901	1.000	0.339	0.033	0.385	0.569	318.188620	-10.512197	-10.64	-463
5	GUIDE	used	757078944	8.92	4934	1.000	-0.205	-0.108	0.250	0.389	318.456656	-10.773249	1167.92	163
6	GUIDE	used	757080016	7.88	4933	1.000	-0.330	-0.263	0.131	0.193	318.849097	-10.347908	118.75	1945
7	GUIDE	used	757080096	9.31	4933	1.000	0.162	-0.146	0.230	0.356	318.191246	-10.644186	446.13	-595

2.4 Star Slots

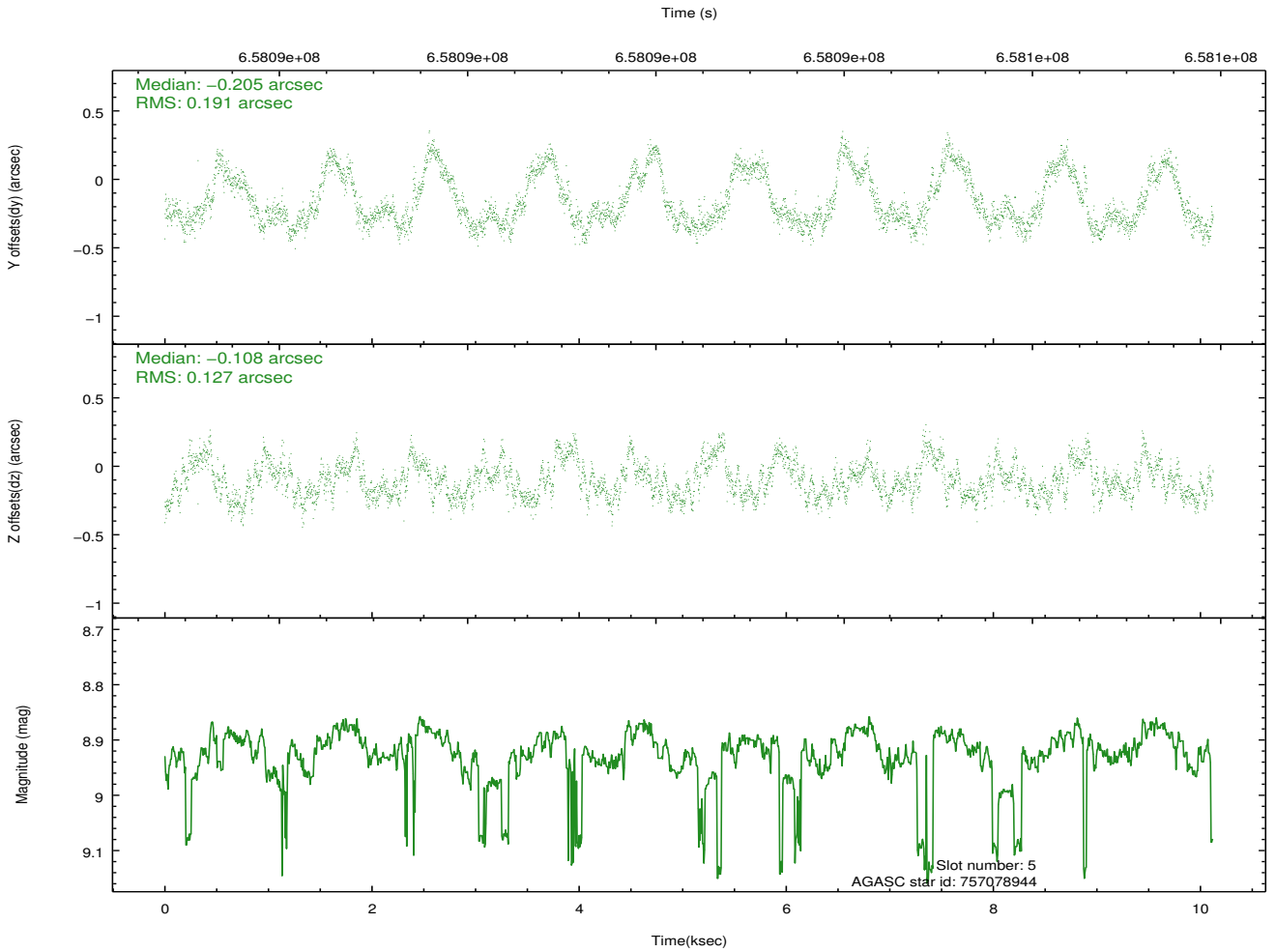
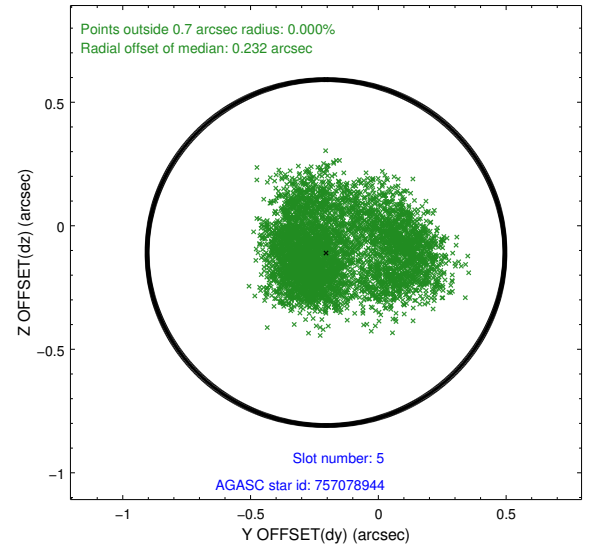
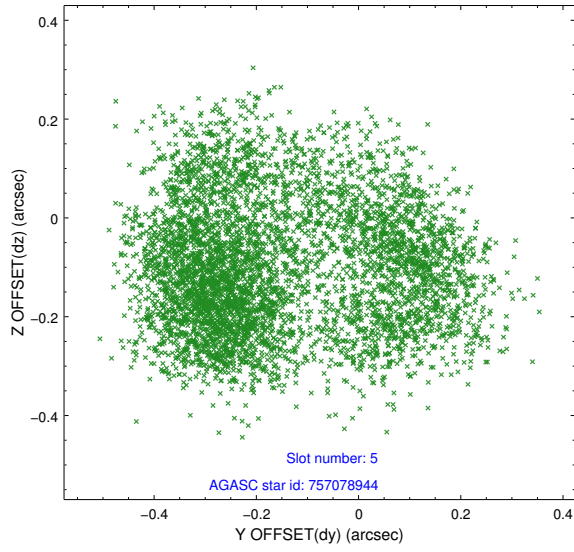
2.4.1 Slot 3



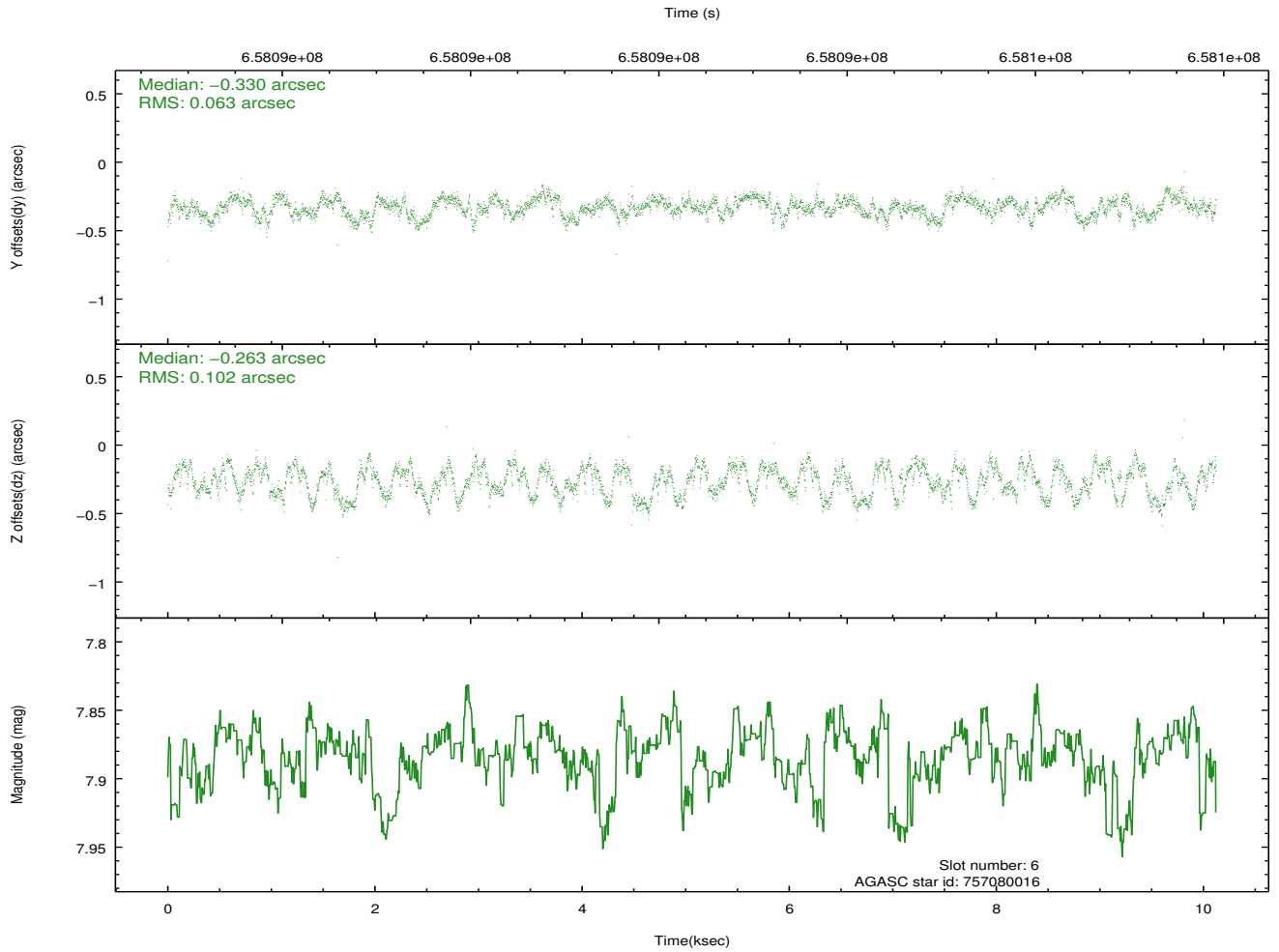
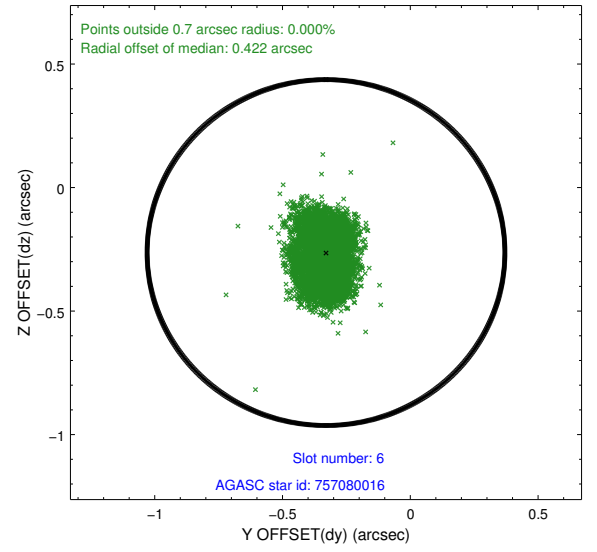
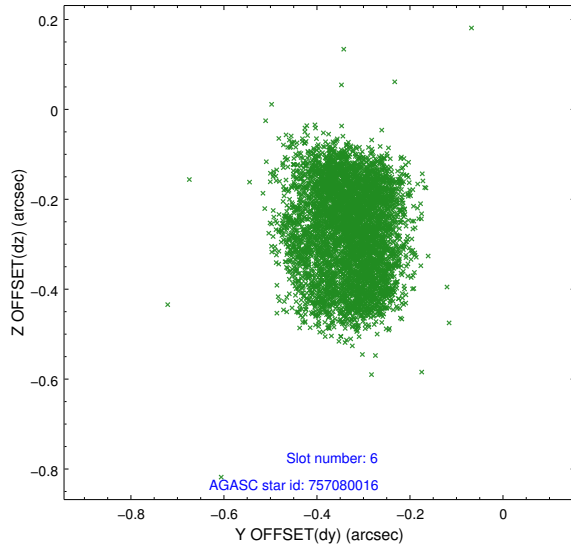
2.4.2 Slot 4



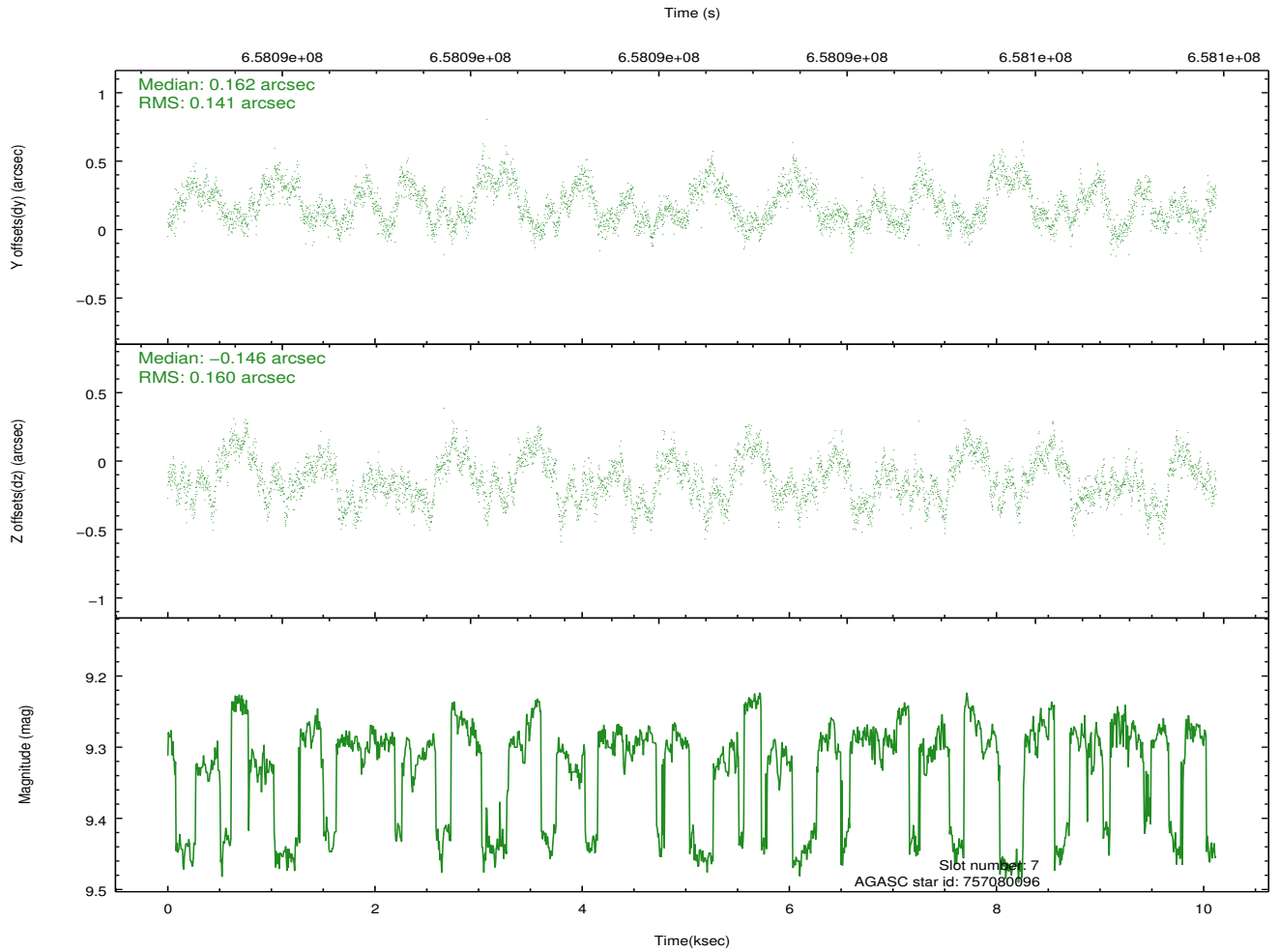
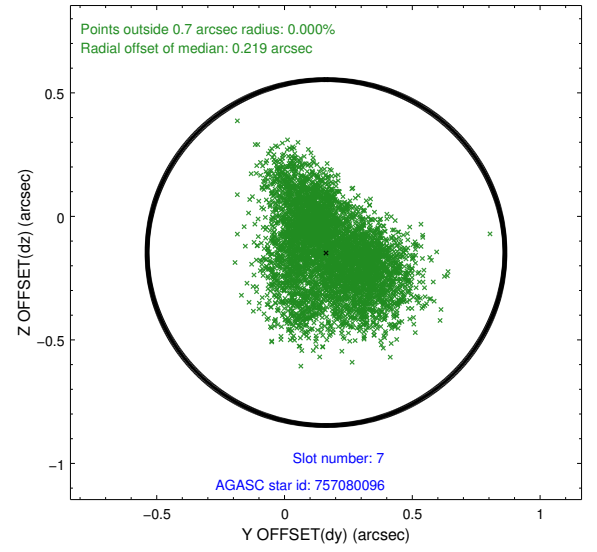
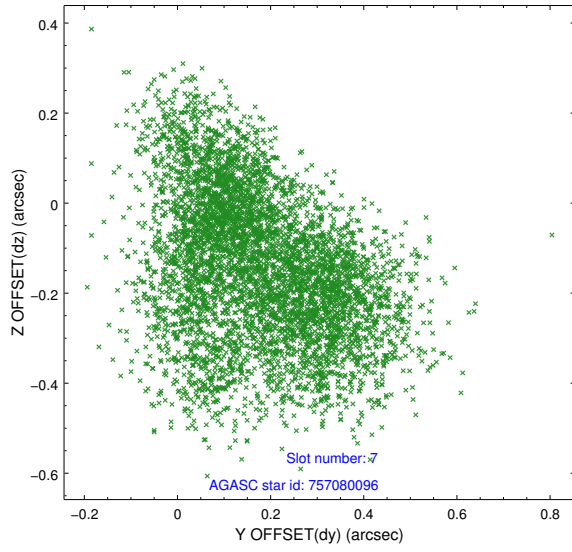
2.4.3 Slot 5



2.4.4 Slot 6

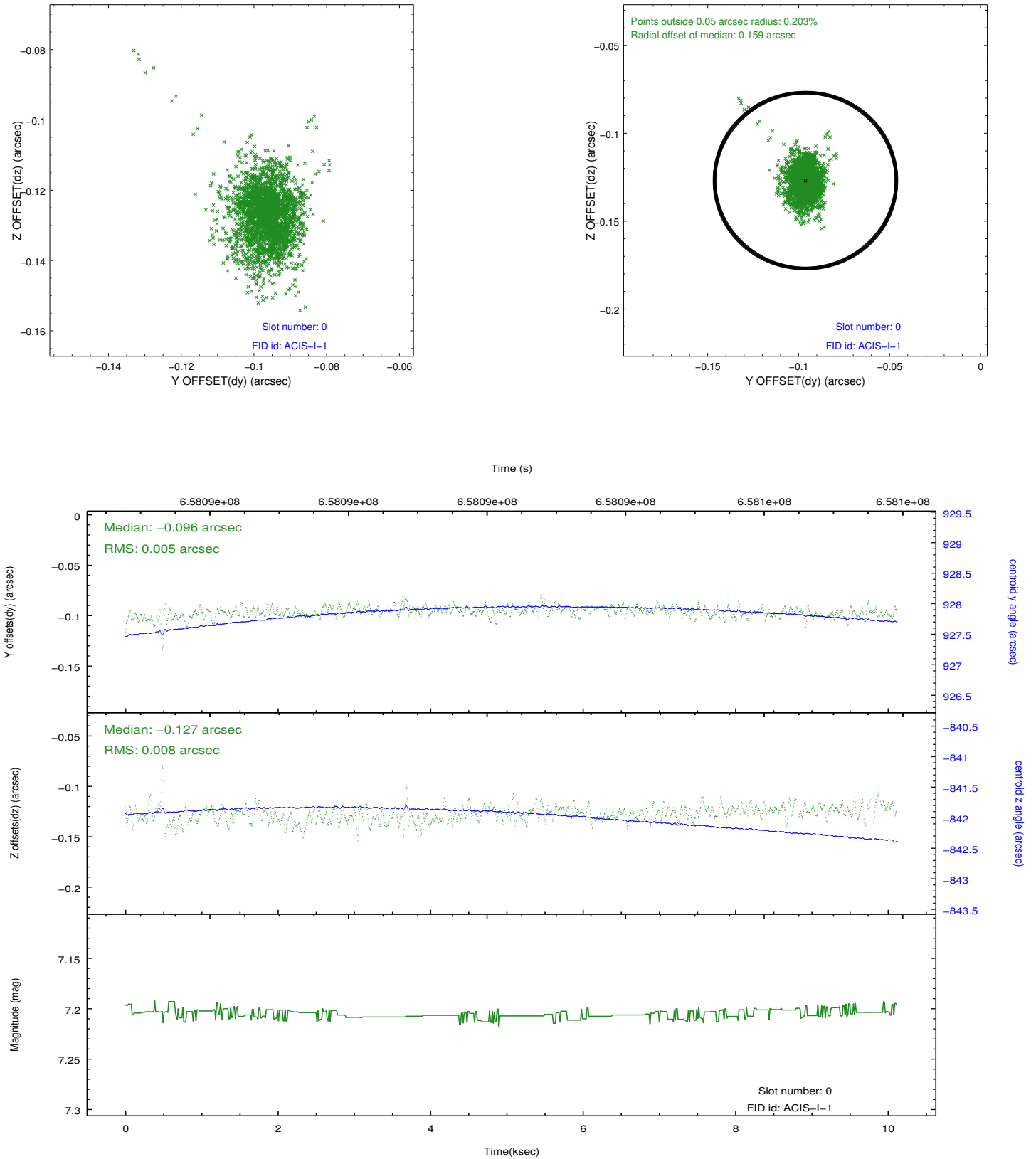


2.4.5 Slot 7

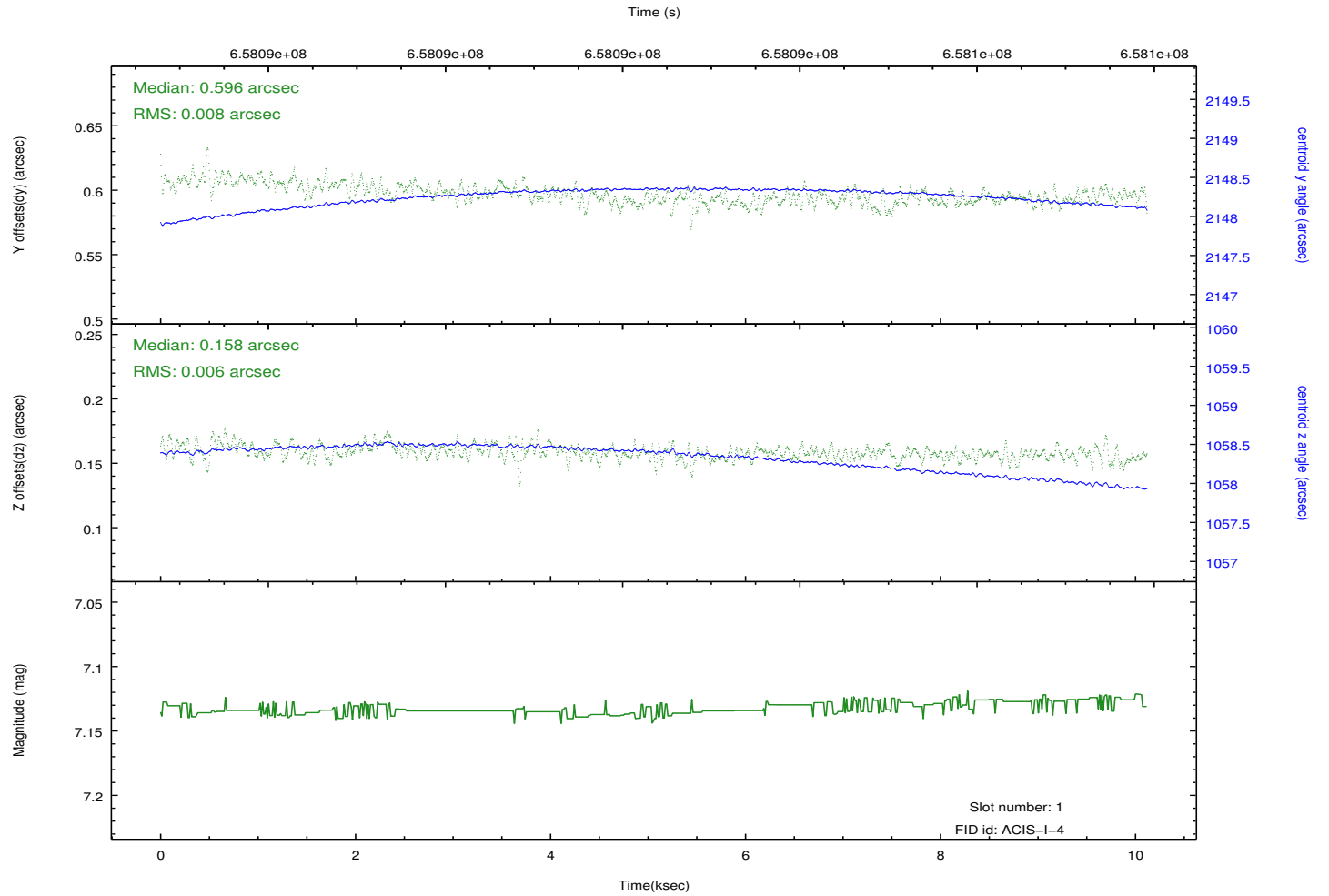
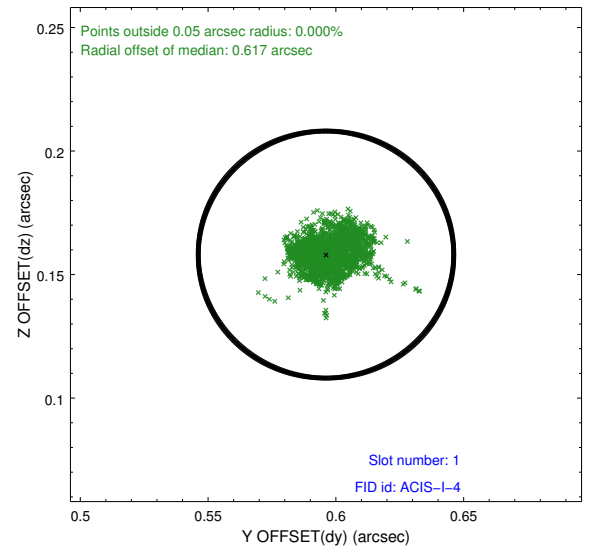
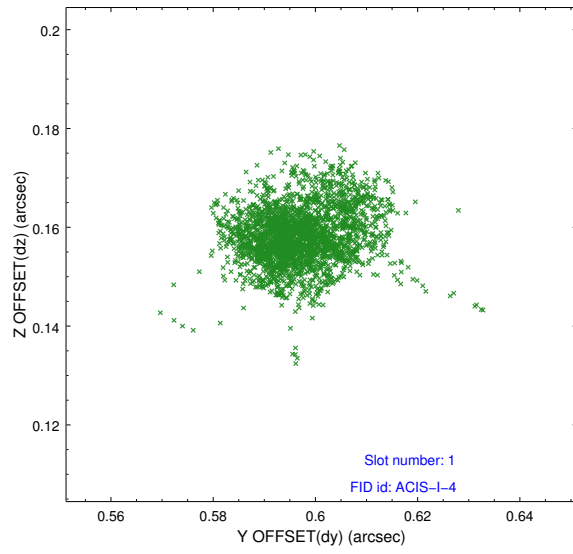


2.5 FID Slots

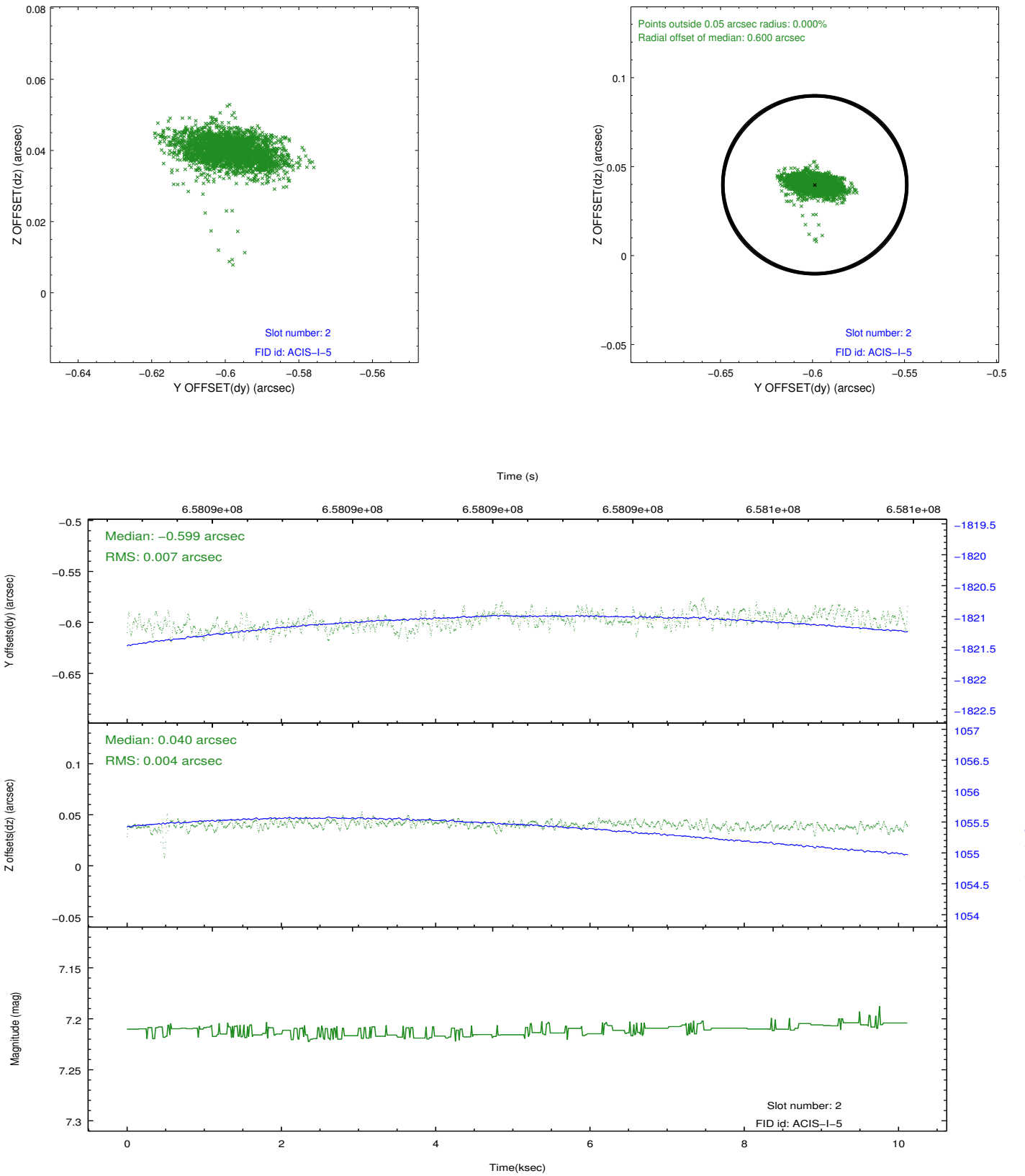
2.5.1 Slot 0



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)	2018.11.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.077082049966

A.2 Comments