

V&V Reference Report

L2 ASCDS Version : 10.5.2

Observation 19571 - L2 Version 1
Chandra X-Ray Center

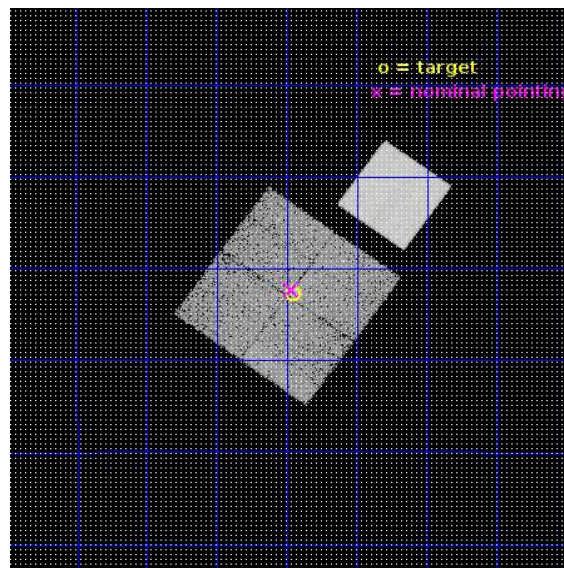
L2 Processing Date : Jan 14 2017

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1 Front

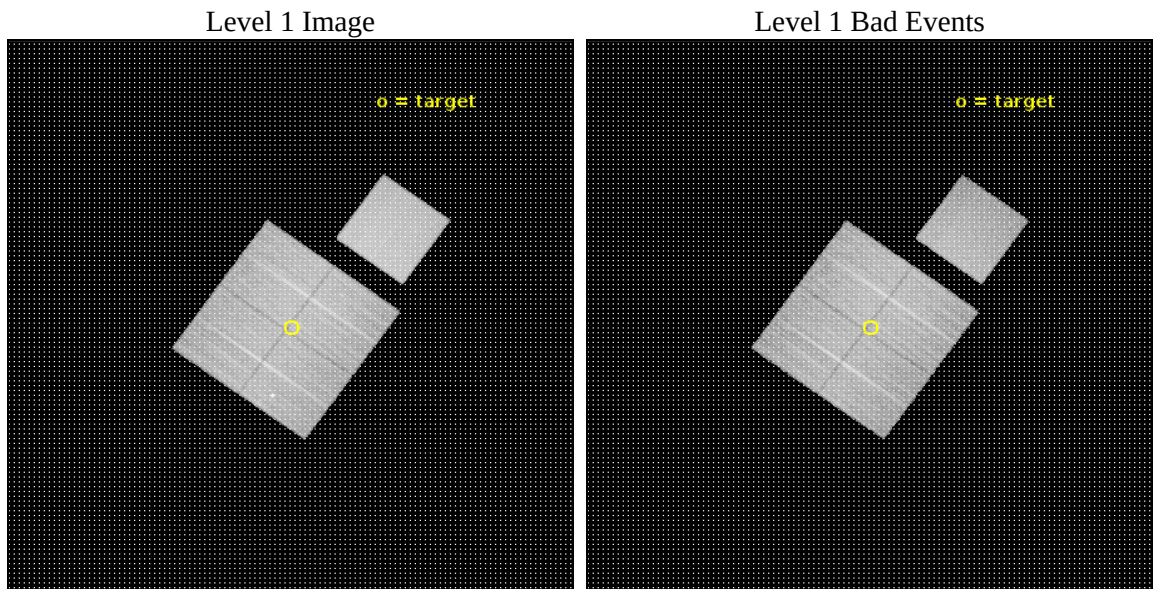
seq_num	801663	Sequence number
obs_id	19571	Observation id
title	THE SPECTACULAR CASE OF A RAM-PRESSURE STRIPPED GALAXY GROUP IN THE OUTSKIRTS OF HYDRA A/A780	Proposal title
observer	Sabrina De Grandi	Principal investigator
object	LEDA 87445	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	139.6125	Observer's specified target RA [deg]
dec_targ	-12.379722	Observer's specified target Dec [deg]
ra_nom	139.61686783664	Nominal RA [deg]
dec_nom	-12.37164710046	Nominal Dec [deg]
roll_nom	35.591887515742	Nominal Roll [deg]
revision	1	Processing version of data
ontime	20053.413439631	Sum of GTIs [s]
livetime	19791.400829934	Livetime [s]
ontime0	20053.290319562	Sum of GTIs [s]
ontime1	20053.331359625	Sum of GTIs [s]
ontime2	20040.808268785	Sum of GTIs [s]
ontime3	20053.413439631	Sum of GTIs [s]
ontime7	20053.454479575	Sum of GTIs [s]
l2events	137647	Number of level 2 events



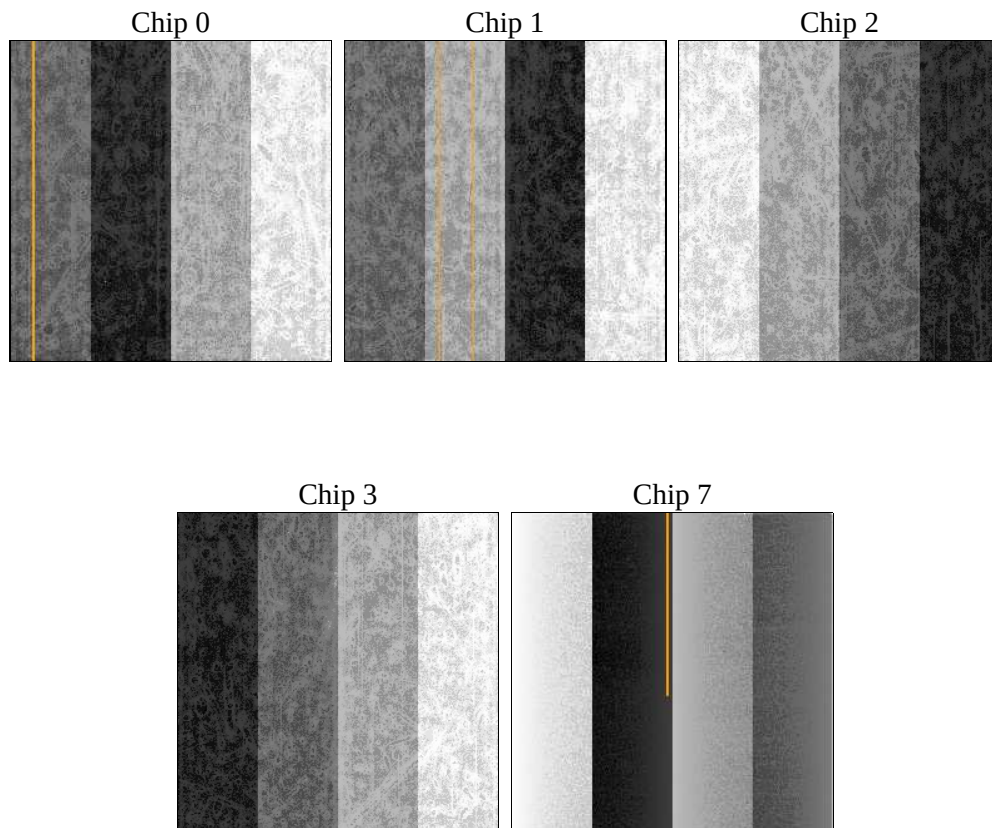
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.2	Processing system revision	ontime	20053.413439631	Sum of GTIs [s]
caldsver	4.7.3	 	ontime0	20053.290319562	Sum of GTIs [s]
date	2017-01-14T11:47:46	Date and time of file creation	ontime1	20053.331359625	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	20040.808268785	Sum of GTIs [s]
			ontime3	20053.413439631	Sum of GTIs [s]
			ontime7	20053.454479575	Sum of GTIs [s]
			l1events	747043	Number of level 1 events

2.1.4 Events

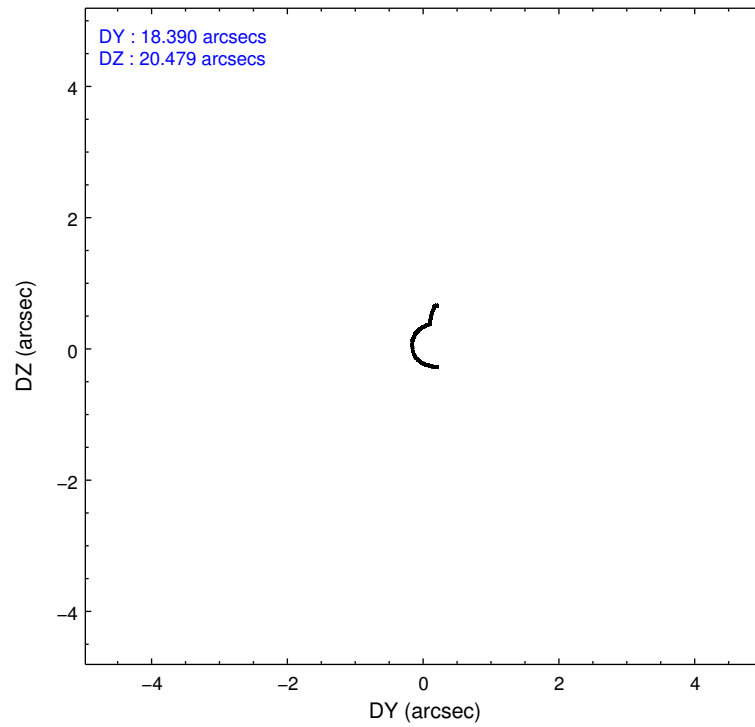
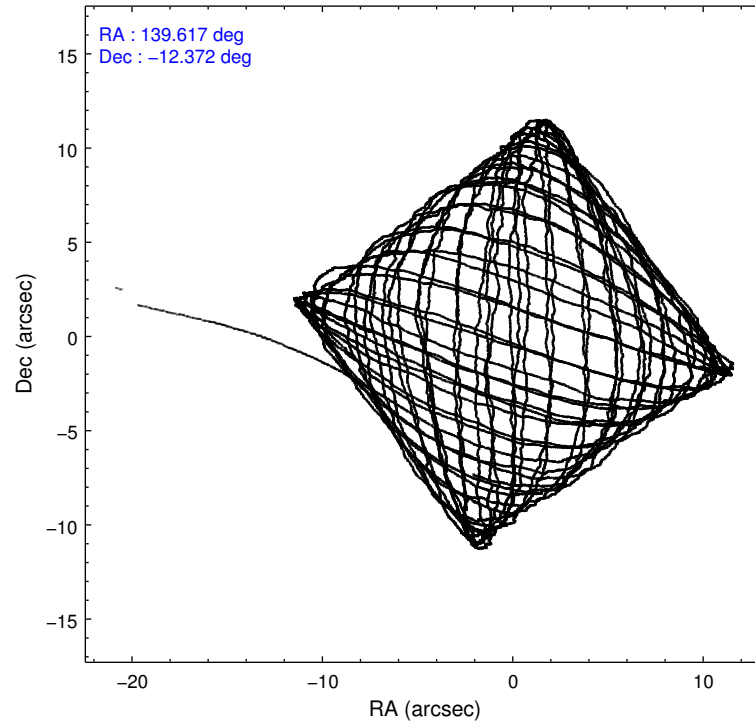
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	131974	133313	151076	142302	188378
rejected events	115696	113608	134553	126436	104176
rejected %	87%	85%	89%	88%	55%

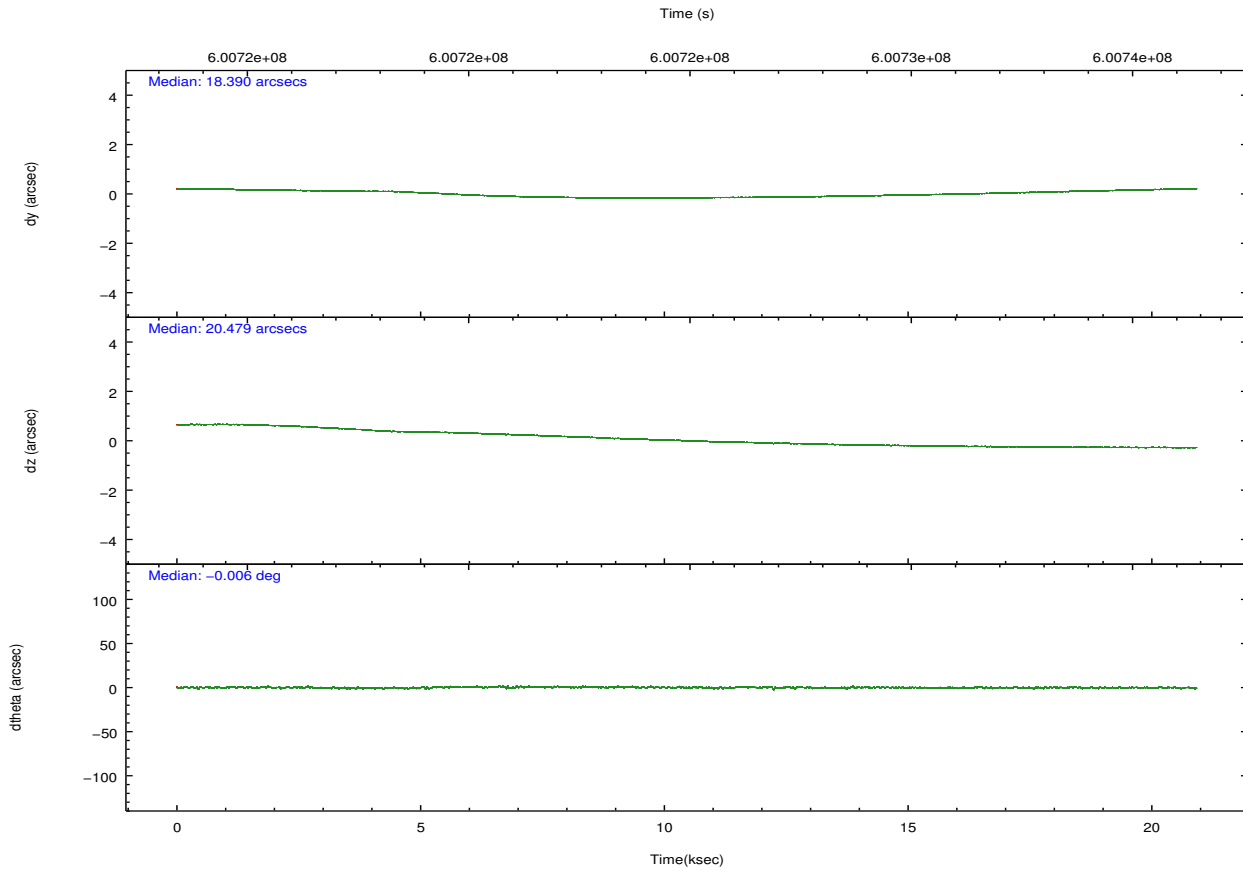
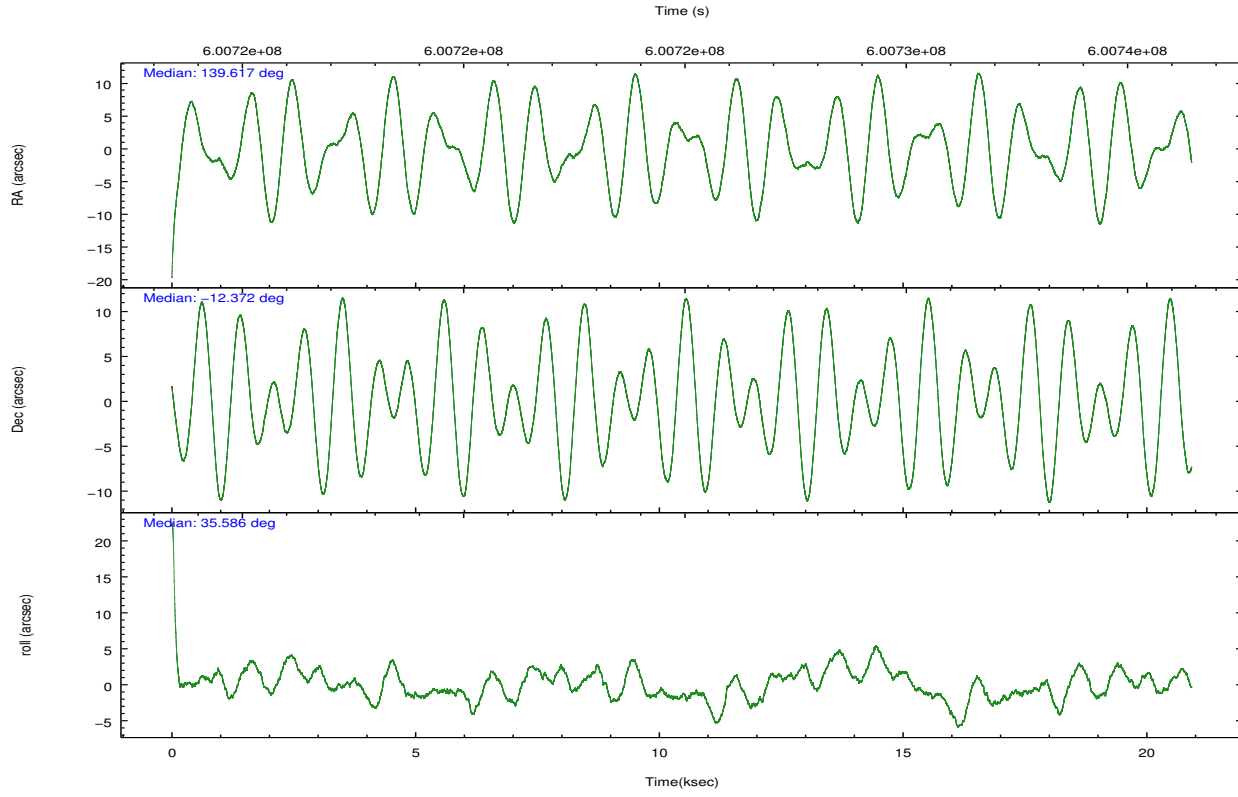
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	5741	7911	6317	6110	7802
	4%	5%	4%	4%	4%
grade 1 events	70	72	92	83	290
	0%	0%	0%	0%	0%
grade 2 events	4088	4533	4008	3532	18045
	3%	3%	2%	2%	9%
grade 3 events	1640	1686	1576	1522	6950
	1%	1%	1%	1%	3%
grade 4 events	1544	1762	1564	1611	6877
	1%	1%	1%	1%	3%
grade 5 events	5961	6494	5604	6898	18707
	4%	4%	3%	4%	9%
grade 6 events	3268	3821	3063	3094	44550
	2%	2%	2%	2%	23%
grade 7 events	109662	107034	128852	119452	85157
	83%	80%	85%	83%	45%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01237	ACIS-01237	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	139.605279	139.6168678366359	Subarray requested	NONE	NONE
[deg] Pointing Dec	-12.396818	-12.37164710046001	Alternating exposures requested	N	N
[deg] Pointing Roll	35.380707	35.59188751574161	[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)	600715405.184000	600713445.83939			
Observation start date	2017-01-13T17:22:16	2017-01-13T16:50:45			
[s] Observation end time (MET)	600735405.184000	600736385.85322			
Observation end date	2017-01-13T22:55:36	2017-01-13T23:13:05			
Read mode	TIMED	TIMED			

2.3 Aspect



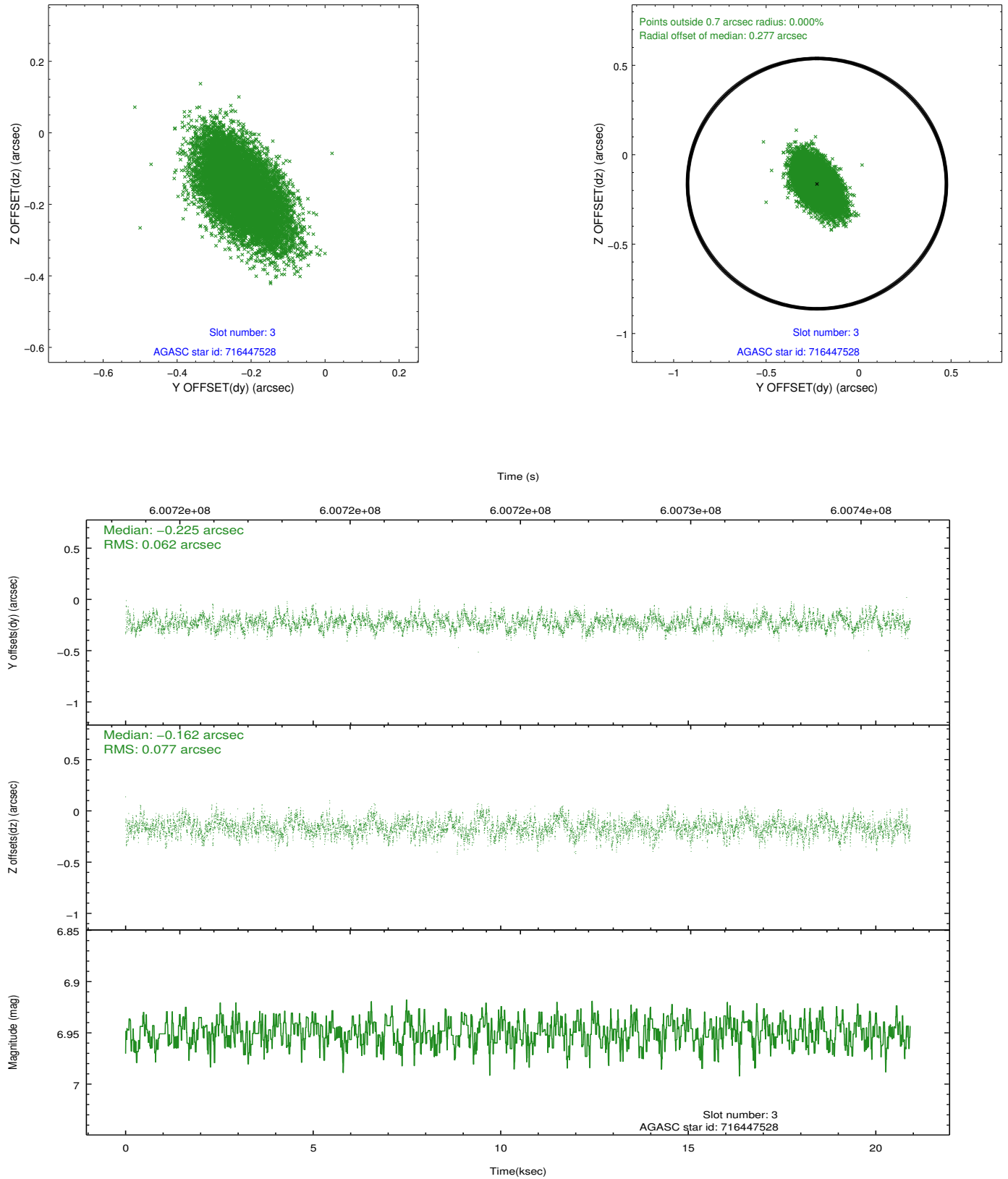


Slot Statistics

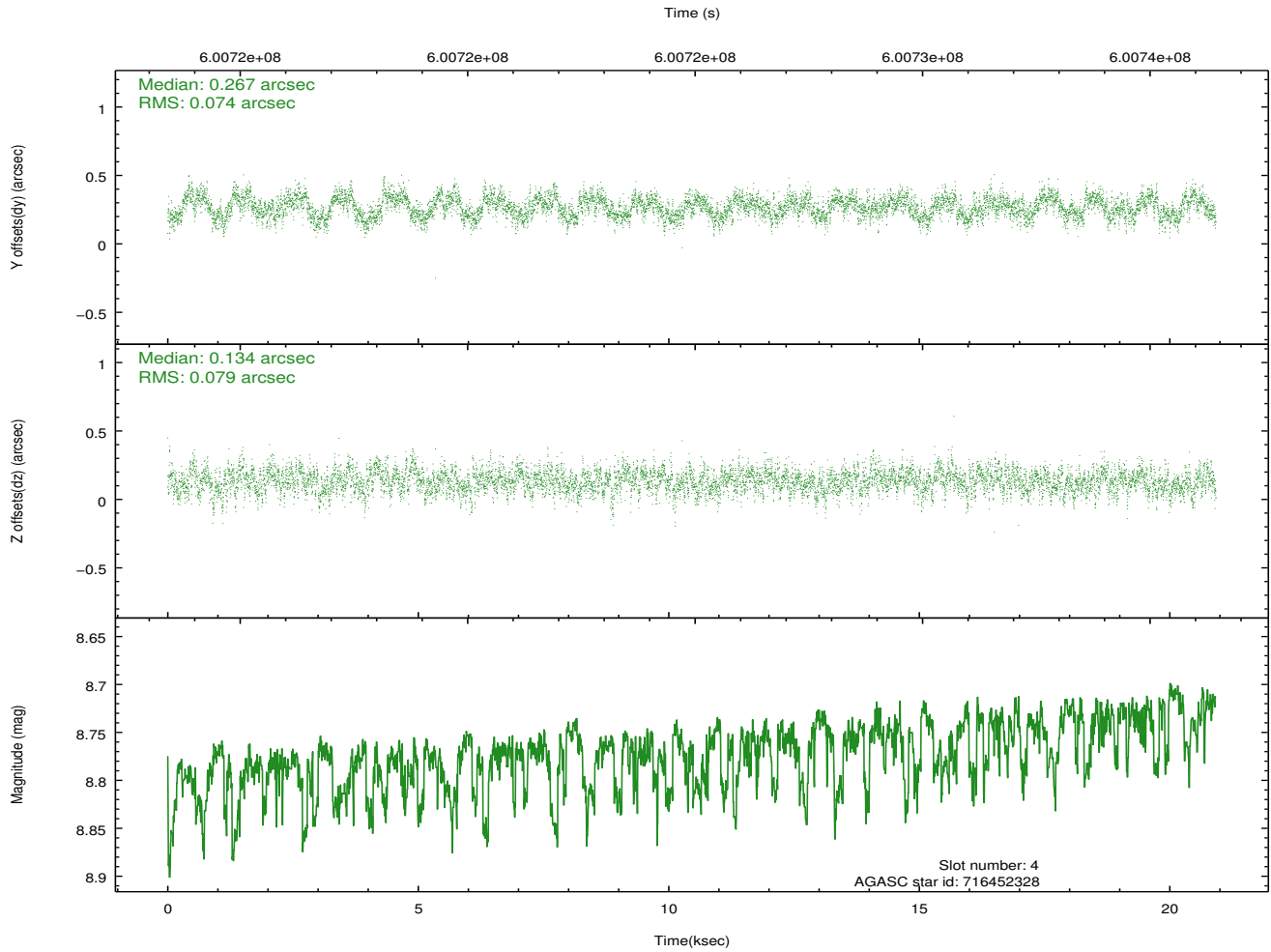
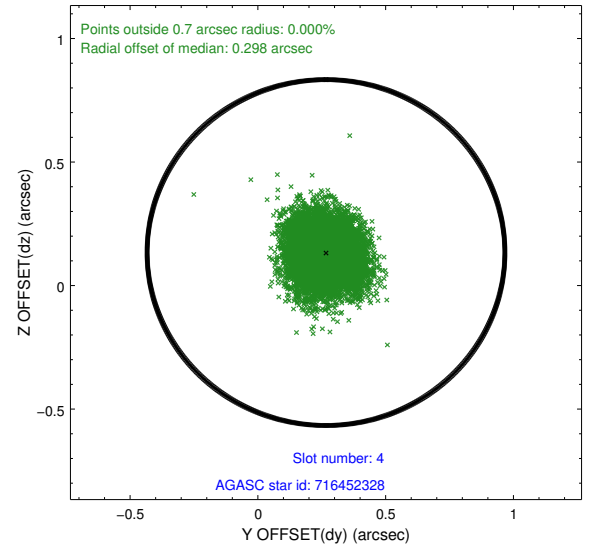
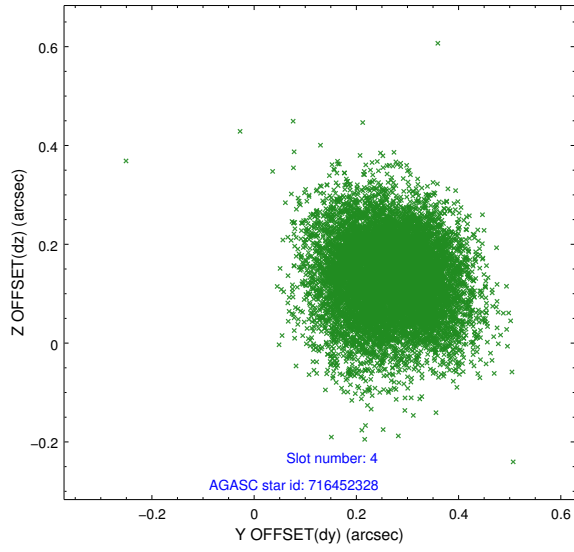
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.08	5103	-0.075	-0.073	0.020	0.042	0.000000	0.000000	920.95	-844.33
1	FID		ACIS-I-4	7.03	5102	0.442	0.111	0.014	0.026	0.000000	0.000000	2141.48	1055.66
2	FID		ACIS-I-5	7.07	5103	-0.465	0.033	0.011	0.018	0.000000	0.000000	-1827.34	1053.38
3	GUIDE	used	716447528	6.95	10204	-0.225	-0.162	0.103	0.178	139.371683	-11.961966	234.53	1752.07
4	GUIDE	used	716452328	8.77	10197	0.267	0.134	0.114	0.185	138.982178	-12.235590	-1454.37	1740.66
5	GUIDE	used	716452568	9.27	10197	0.156	0.018	0.179	0.276	139.317316	-12.008019	-16.93	1728.69
6	GUIDE	used	716578656	9.04	10189	0.140	0.337	0.143	0.239	140.216745	-12.561448	1407.88	-1728.60
7	GUIDE	used	716578888	9.22	10193	-0.339	-0.324	0.122	0.196	139.858876	-11.605741	2377.87	1803.67

2.4 Star Slots

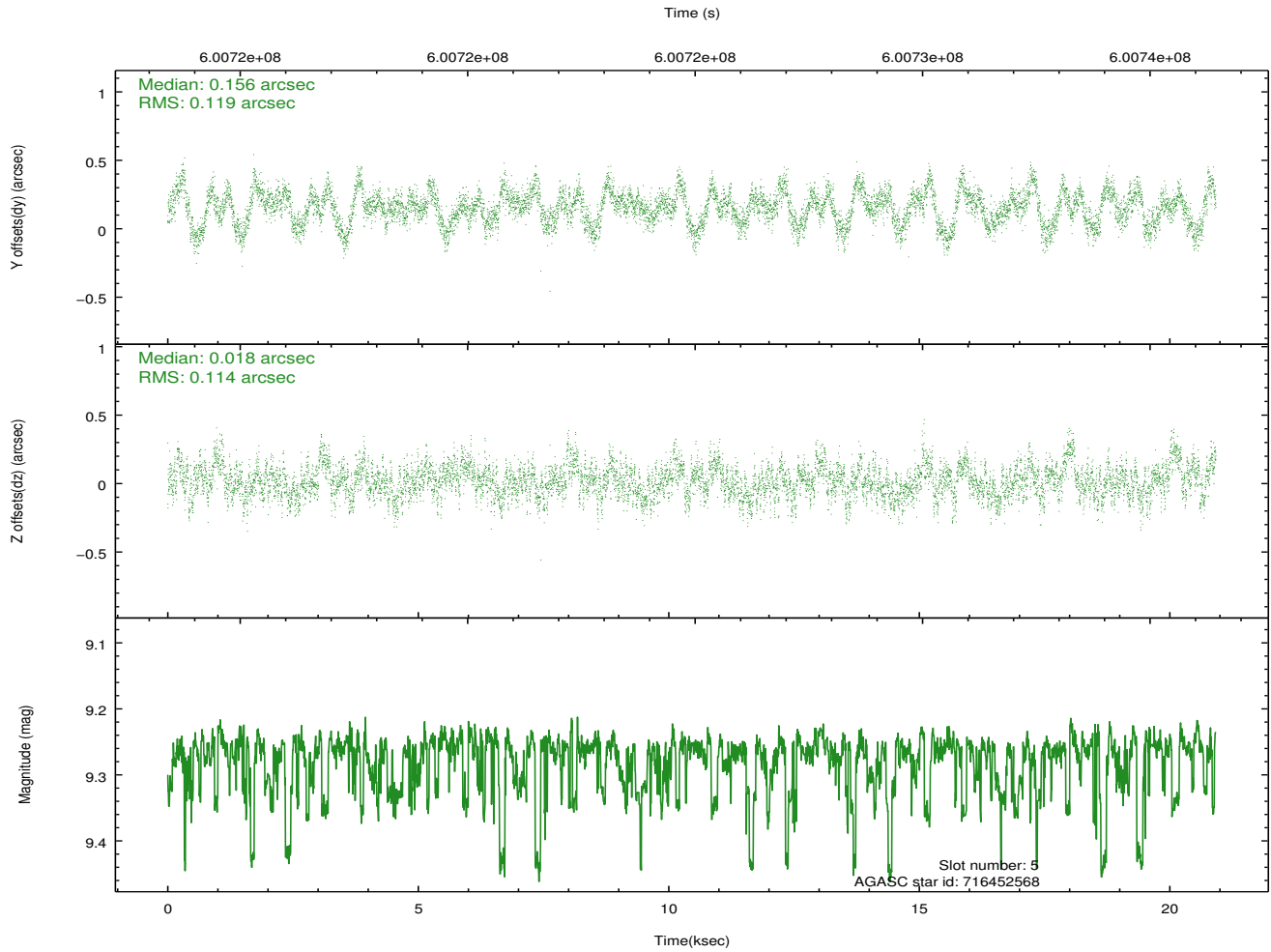
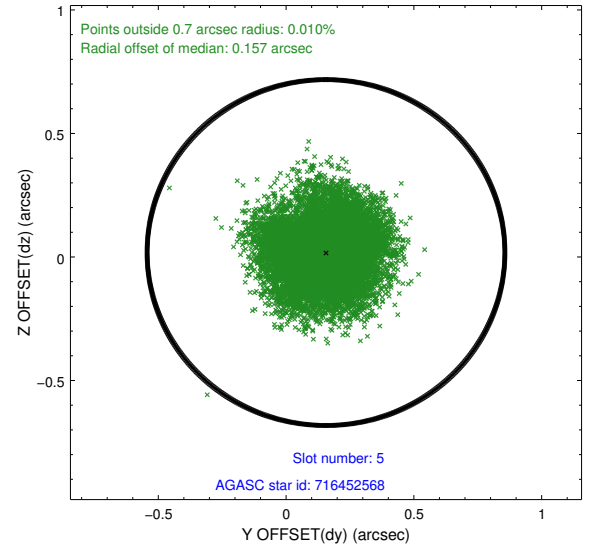
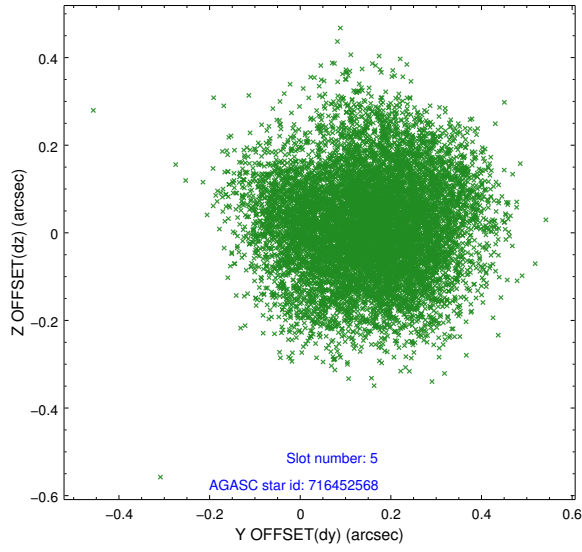
2.4.1 Slot 3



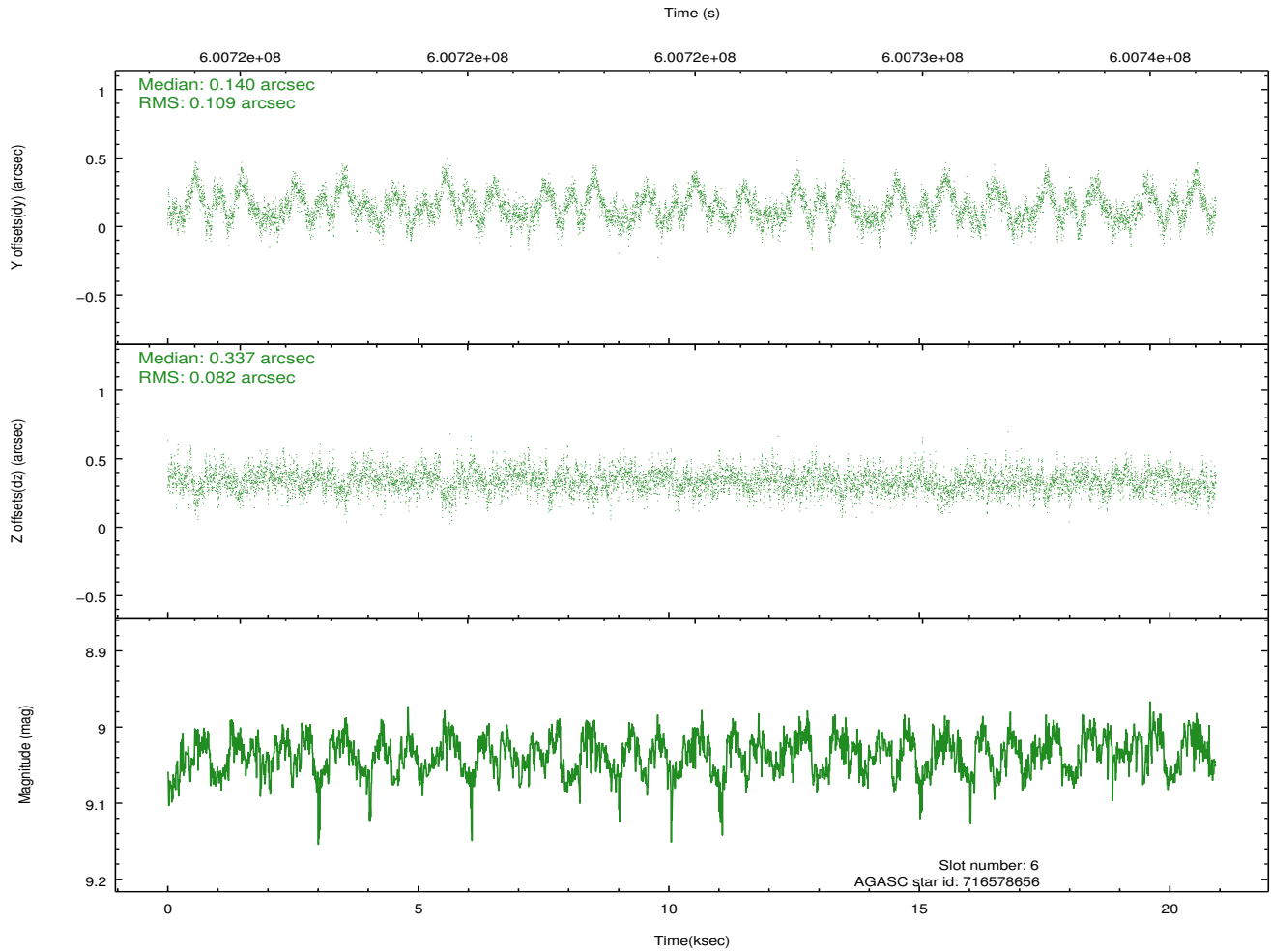
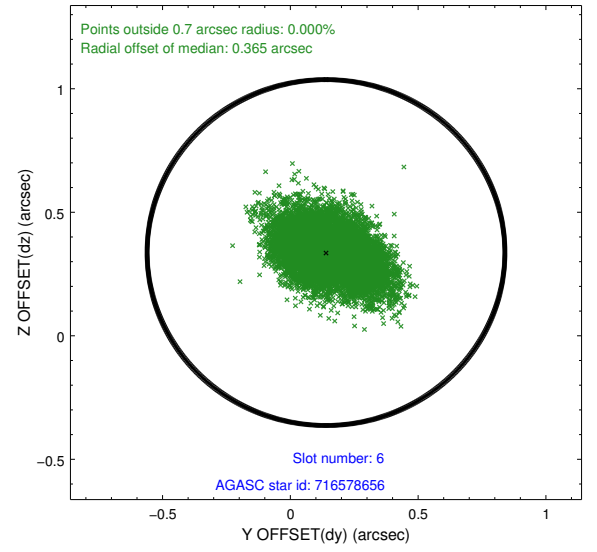
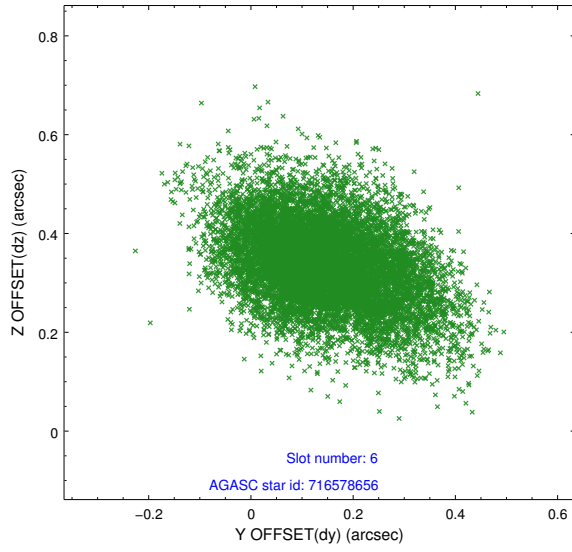
2.4.2 Slot 4



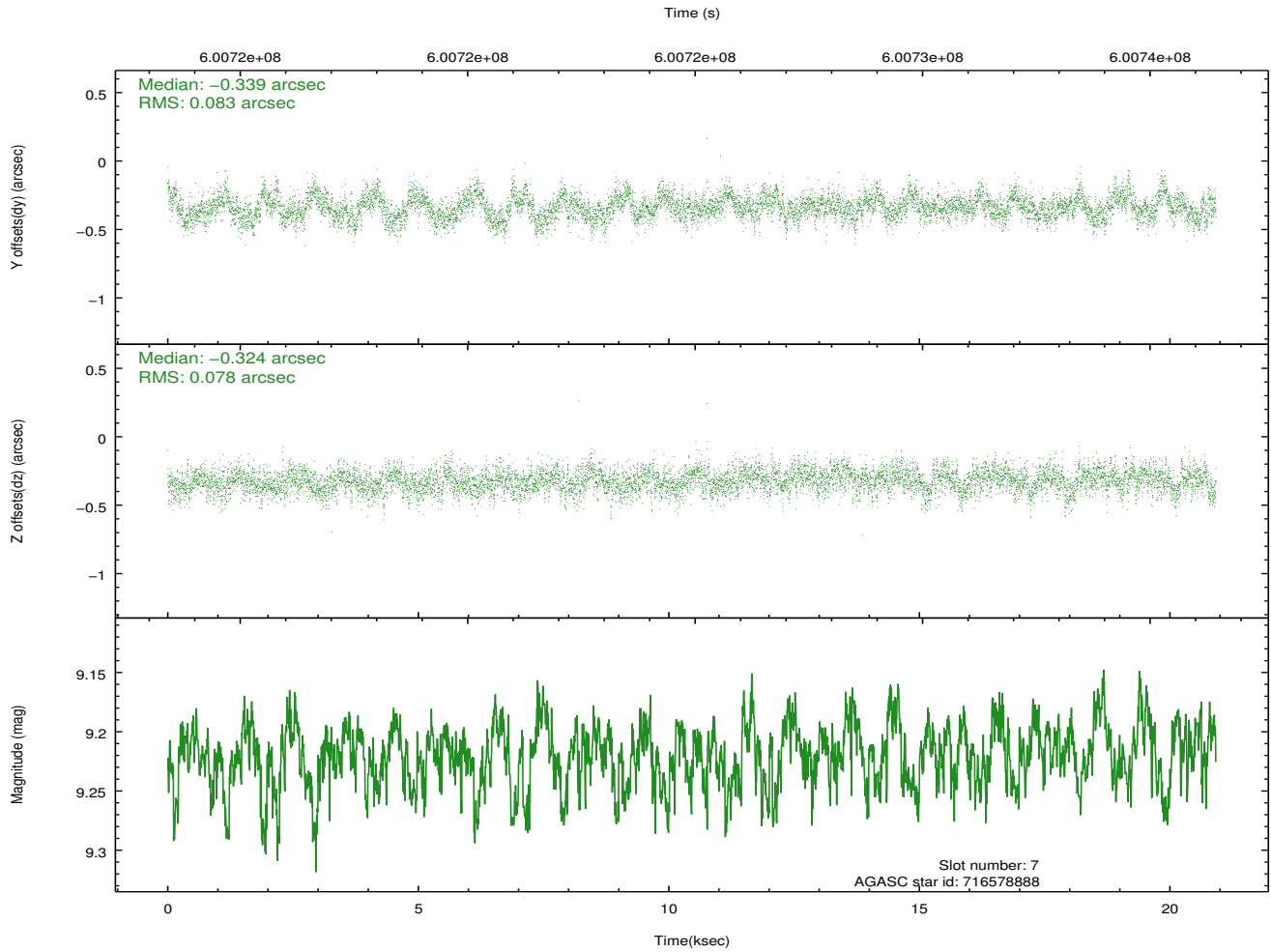
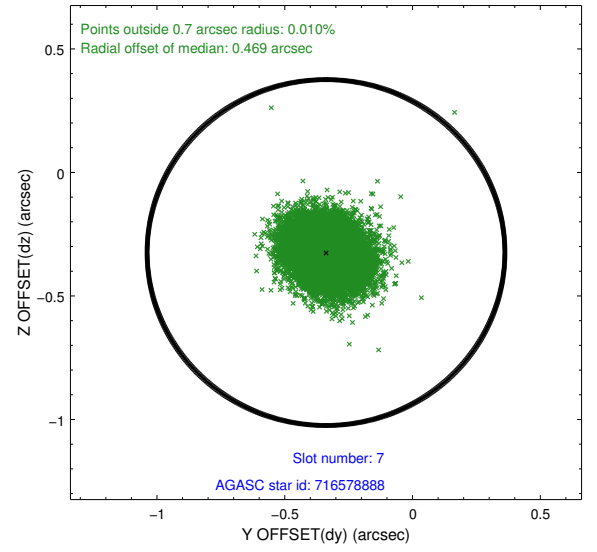
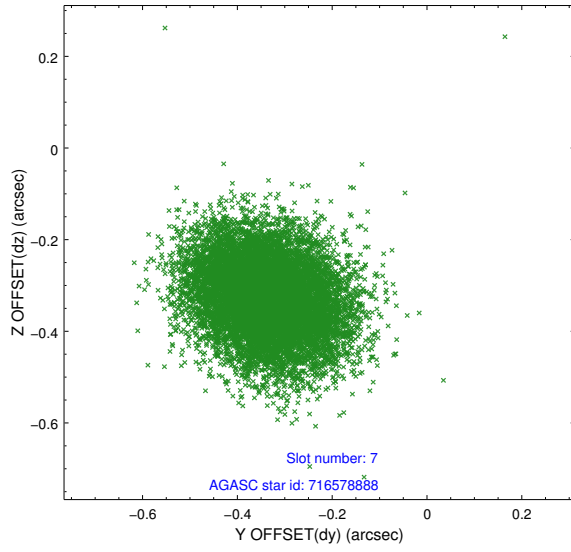
2.4.3 Slot 5



2.4.4 Slot 6

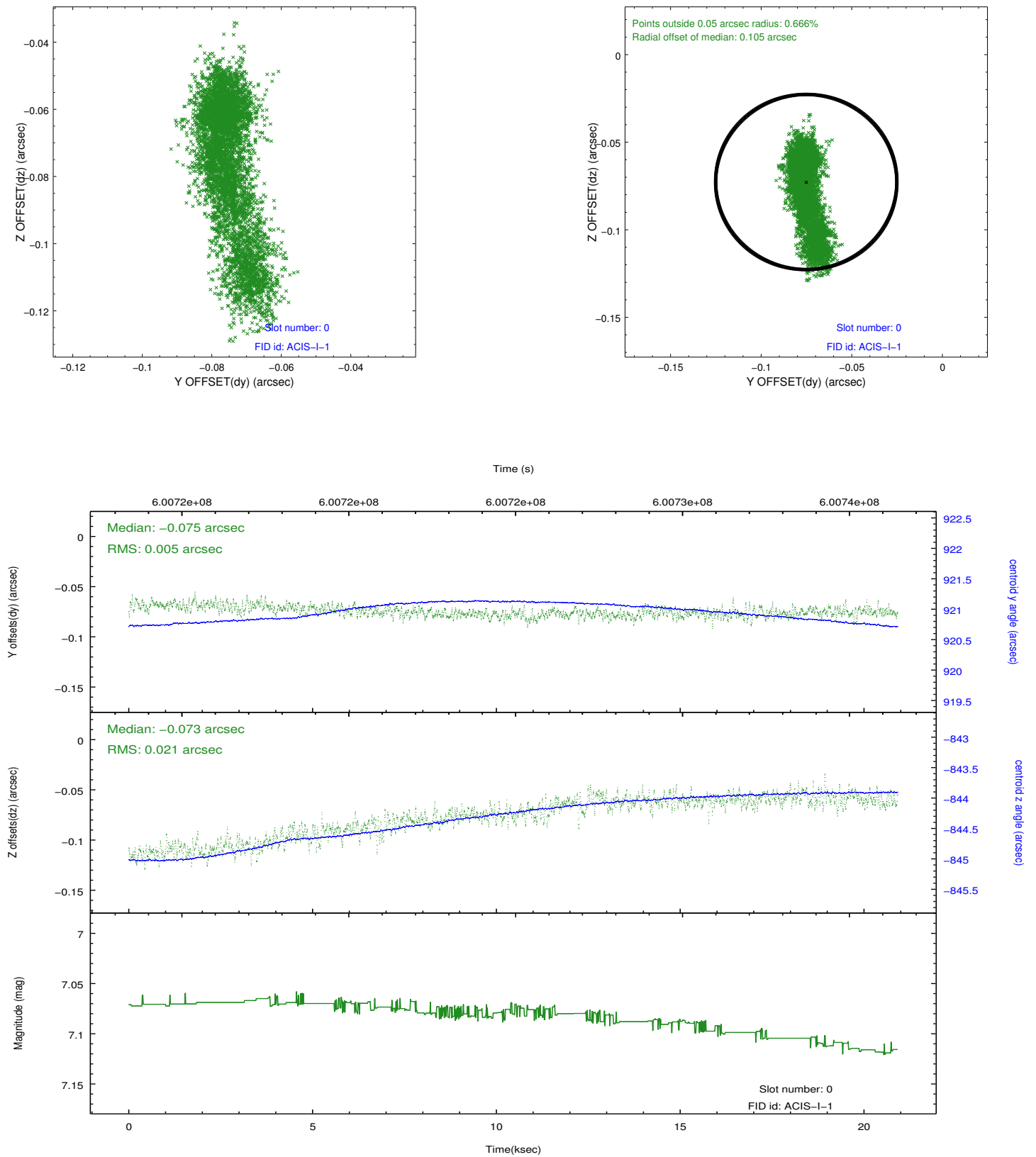


2.4.5 Slot 7

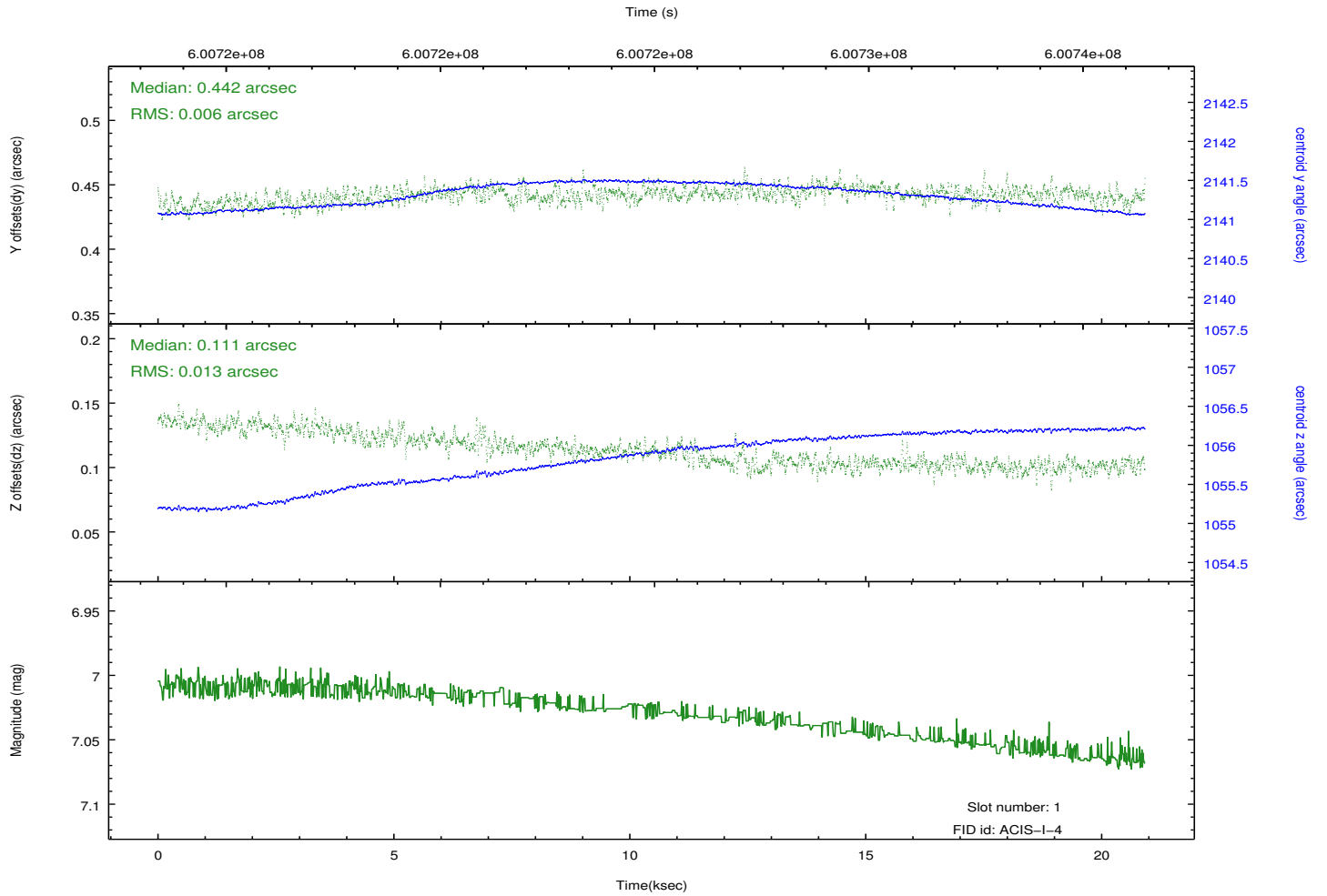
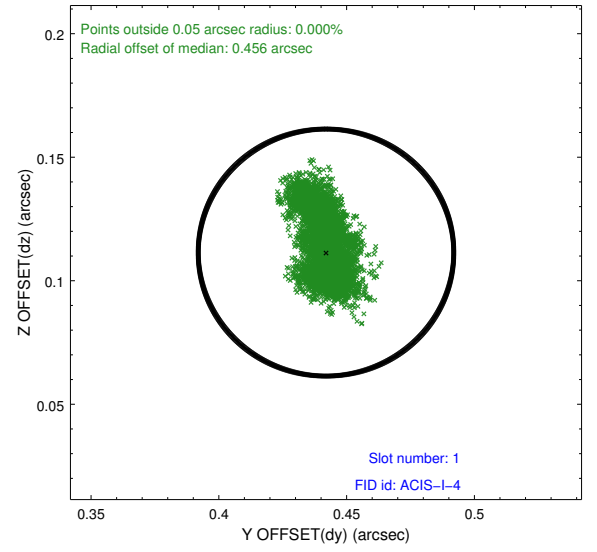
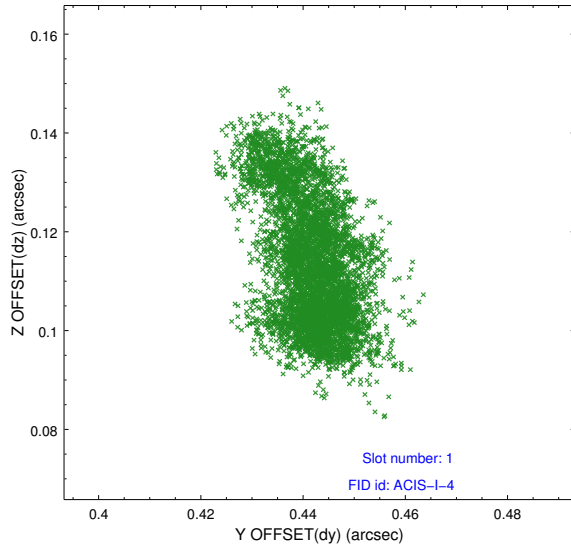


2.5 FID Slots

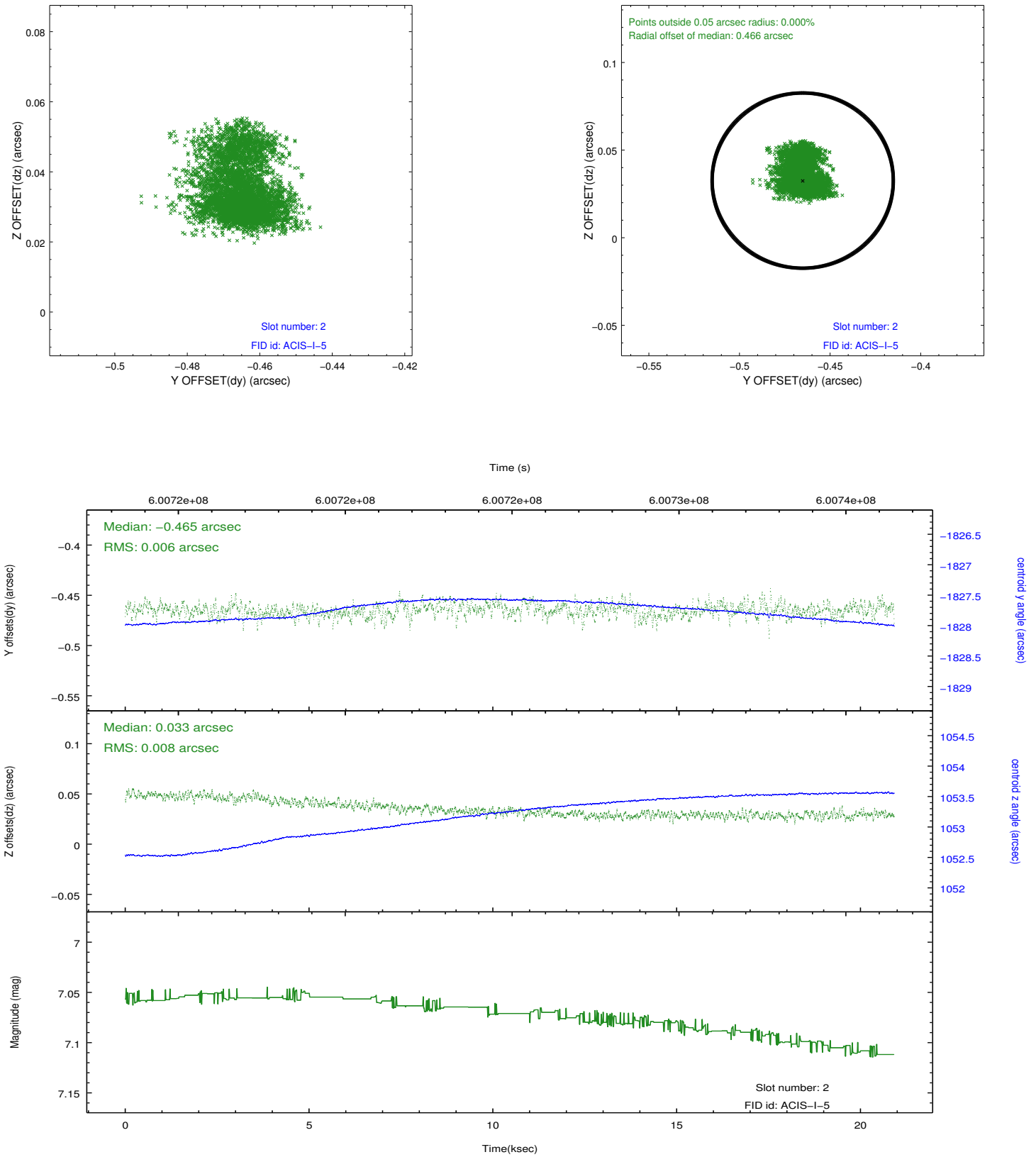
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2017.01.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.053413439631

A.2 Comments