

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 18296 - L2 Version 1
Chandra X-Ray Center

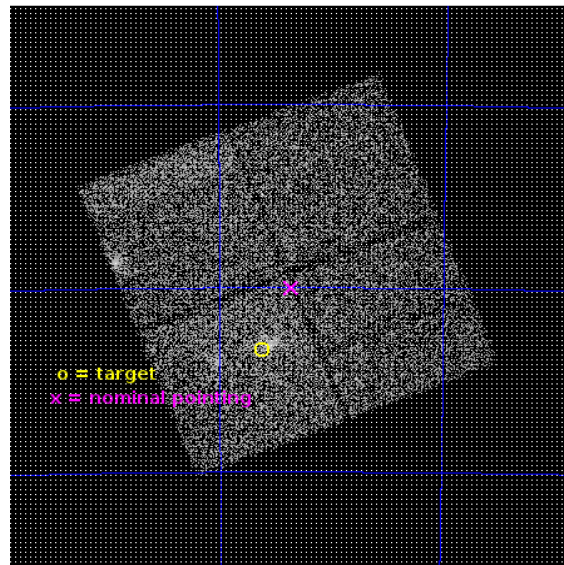
L2 Processing Date : Sep 2 2016

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1 Front

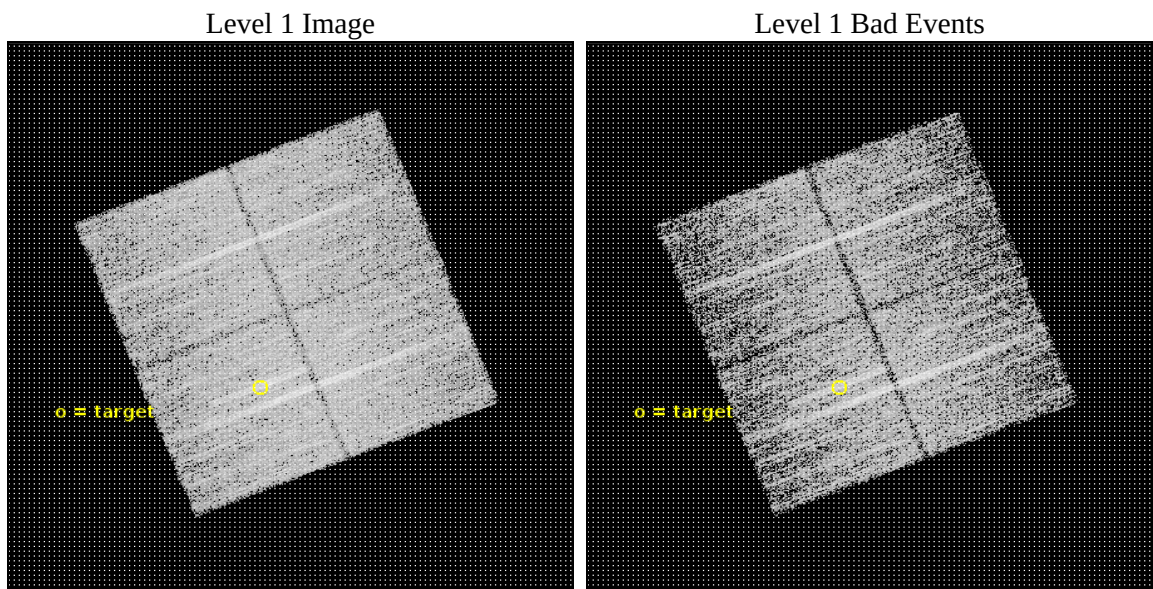
seq_num	801614	Sequence number
obs_id	18296	Observation id
title	Building a Cheap and Cheerful SZ-selected sample of galaxy clusters with the Planck Catalogue.	Proposal title
observer	Mariachiara Rossetti	Principal investigator
object	PSZ2 G295.25-21.55	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	139.760417	Observer's specified target RA [deg]
dec_targ	-81.057	Observer's specified target Dec [deg]
ra_nom	139.59782784525	Nominal RA [deg]
dec_nom	-81.000320363638	Nominal Dec [deg]
roll_nom	158.47322182633	Nominal Roll [deg]
revision	1	Processing version of data
ontime	12793.700098515	Sum of GTIs [s]
livetime	12626.540988142	Livetime [s]
ontime0	12793.700098515	Sum of GTIs [s]
ontime1	12793.700098515	Sum of GTIs [s]
ontime2	12793.700098515	Sum of GTIs [s]
ontime3	12793.700098515	Sum of GTIs [s]
l2events	32703	Number of level 2 events



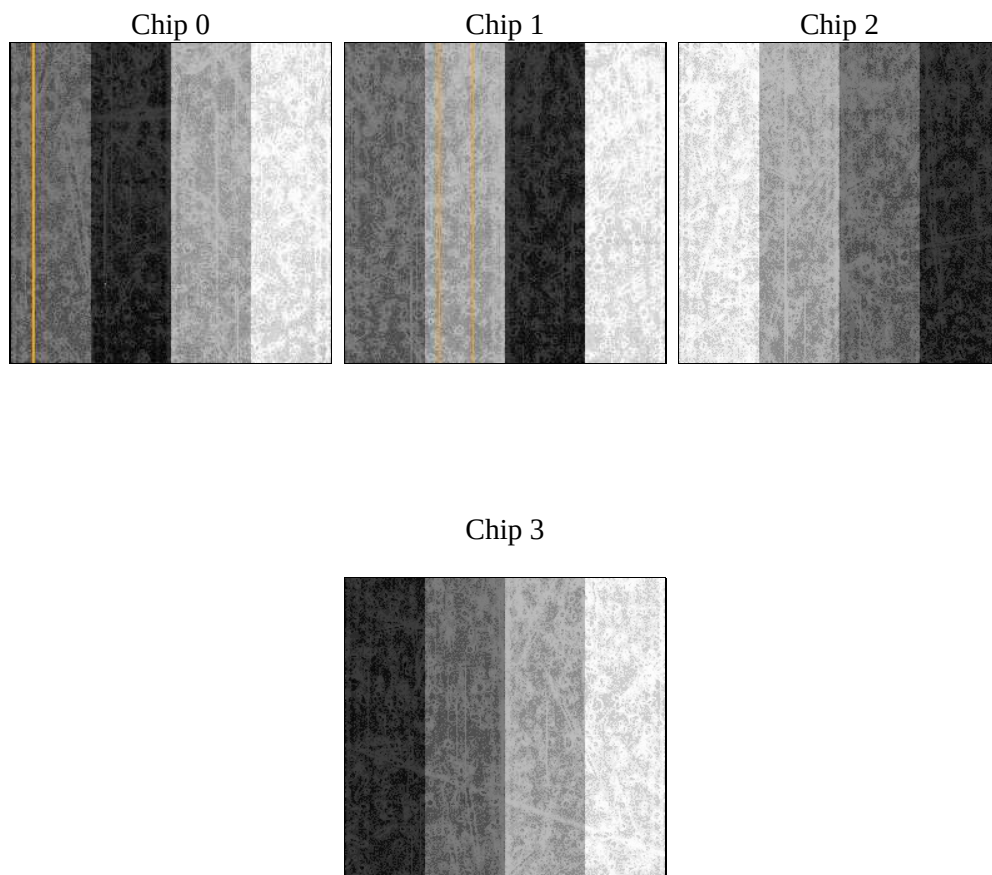
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	13000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.1.1	Processing system revision	ontime	12793.700098515	Sum of GTIs [s]
caldsver	4.7.2	 	ontime0	12793.700098515	Sum of GTIs [s]
date	2016-09-03T02:56:11	Date and time of file creation	ontime1	12793.700098515	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	12793.700098515	Sum of GTIs [s]
			ontime3	12793.700098515	Sum of GTIs [s]
			l1events	310214	Number of level 1 events

2.1.4 Events

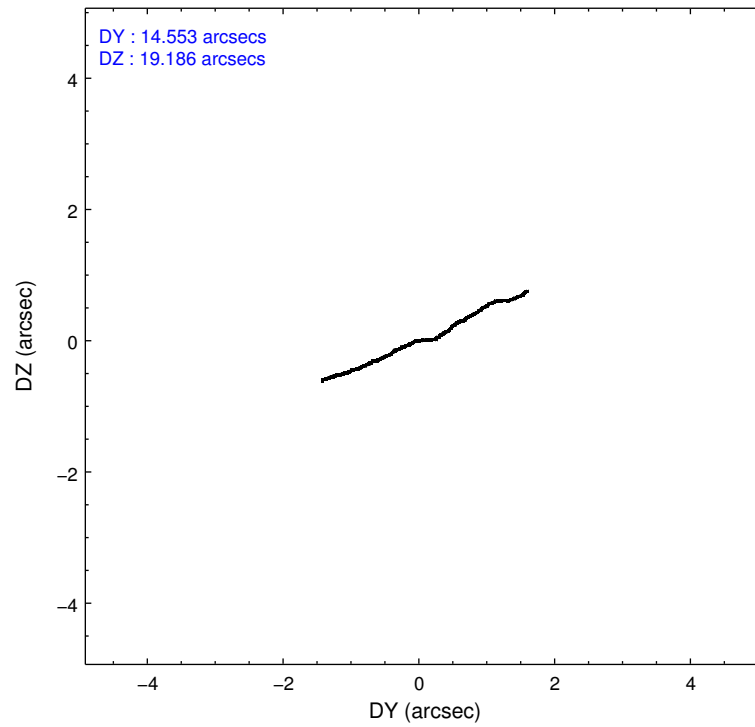
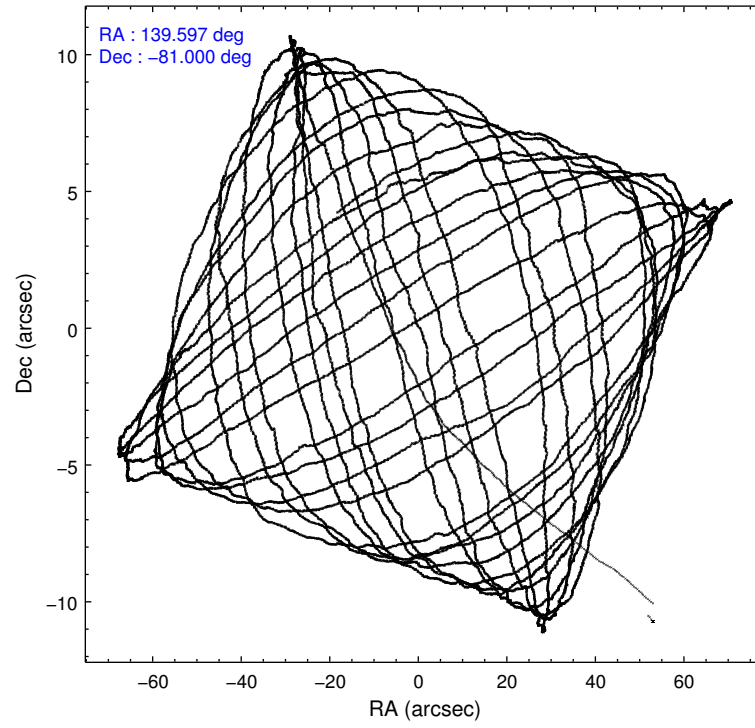
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	72643	74363	80281	82927
rejected events	63638	63605	71329	72576
rejected %	87%	85%	88%	87%

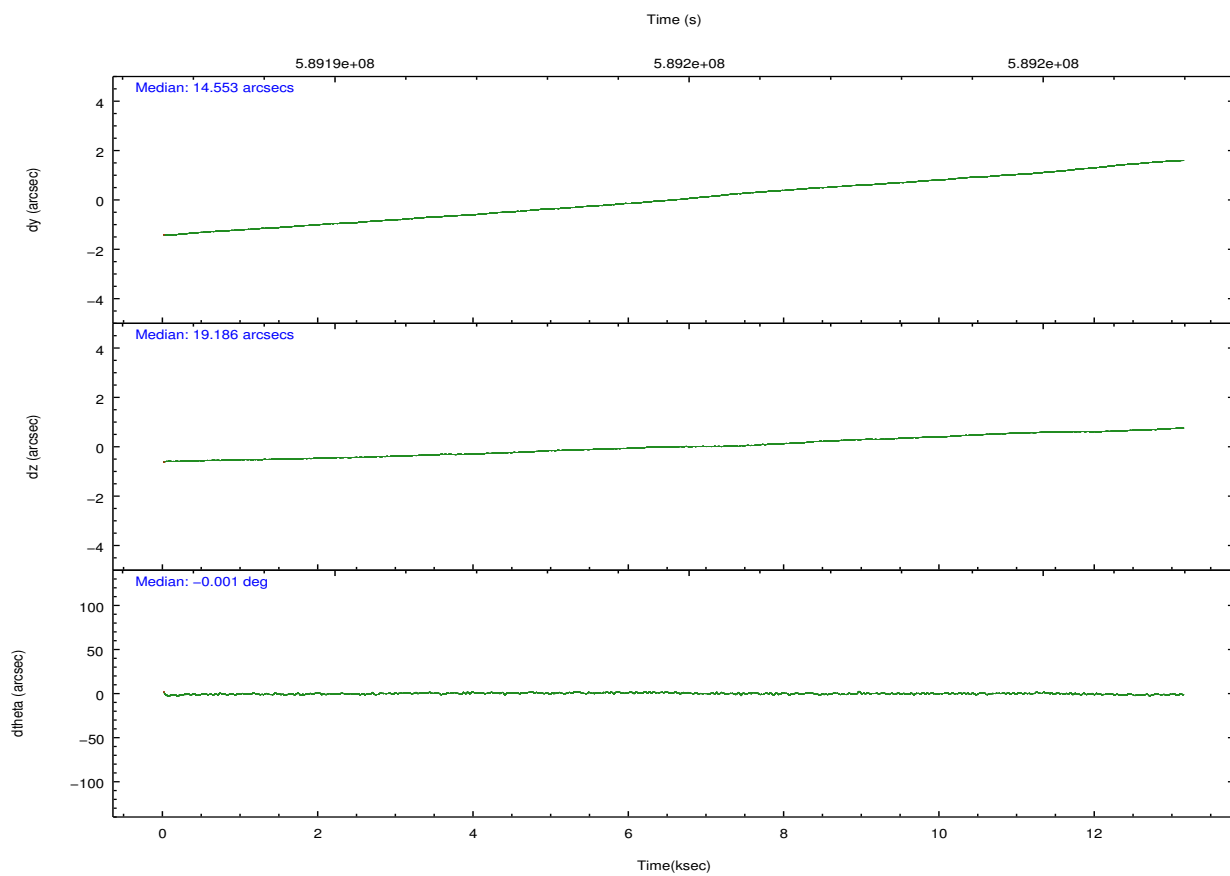
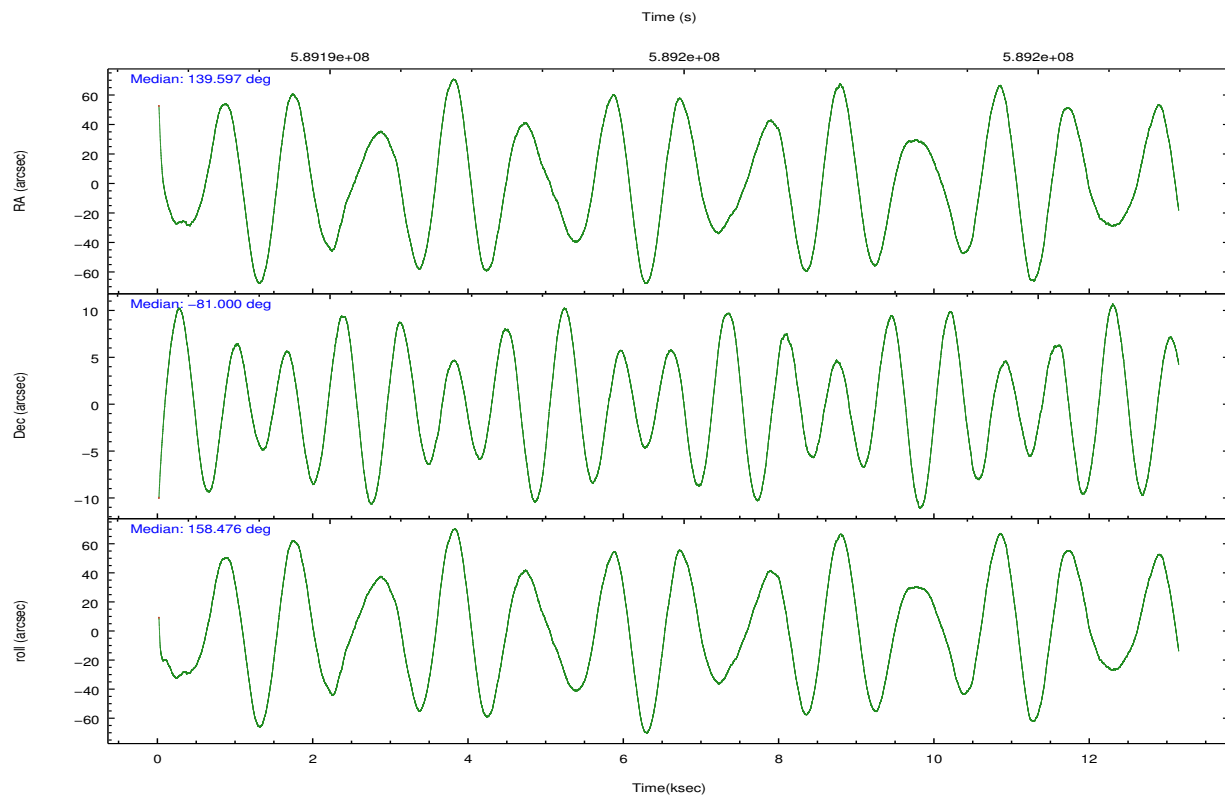
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	3021	3790	3137	4411
	4%	5%	3%	5%
grade 1 events	39	33	52	56
	0%	0%	0%	0%
grade 2 events	2321	2698	2318	2149
	3%	3%	2%	2%
grade 3 events	970	994	870	960
	1%	1%	1%	1%
grade 4 events	864	998	897	958
	1%	1%	1%	1%
grade 5 events	3417	3596	3292	4041
	4%	4%	4%	4%
grade 6 events	1835	2280	1734	1876
	2%	3%	2%	2%
grade 7 events	60176	59974	67981	68476
	82%	80%	84%	82%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	139.772113	139.5978278452464	Subarray requested	NONE	NONE
[deg] Pointing Dec	-80.996172	-81.00032036363777	Alternating exposures requested	N	N
[deg] Pointing Roll	158.436712	158.4732218263285	[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)	589188377.184000	589186884.03679			
Observation start date	2016-09-02T07:25:09	2016-09-02T07:01:24			
[s] Observation end time (MET)	589201377.184000	589202036.10016			
Observation end date	2016-09-02T11:01:49	2016-09-02T11:13:56			
Read mode	TIMED	TIMED			

2.3 Aspect



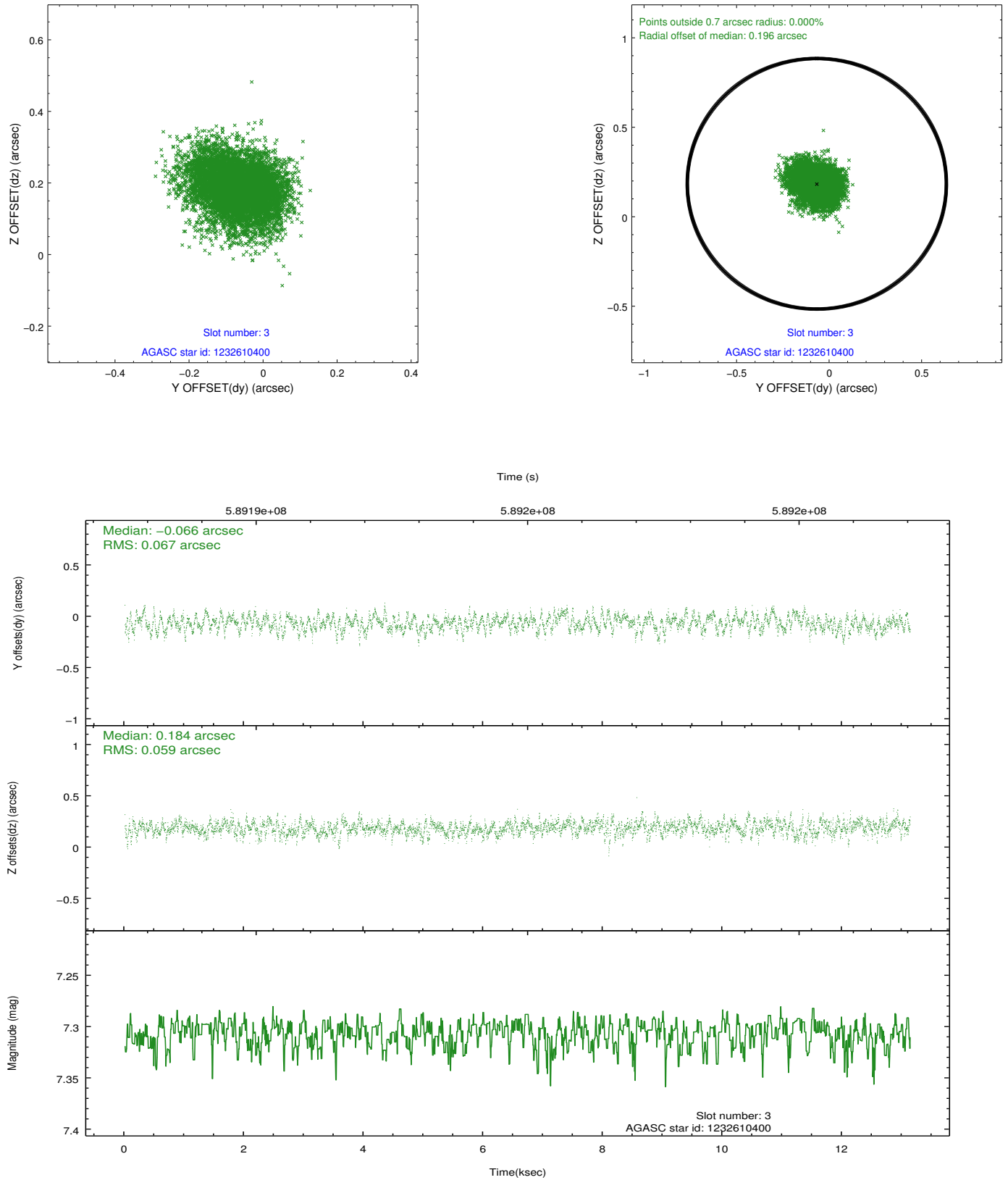


Slot Statistics

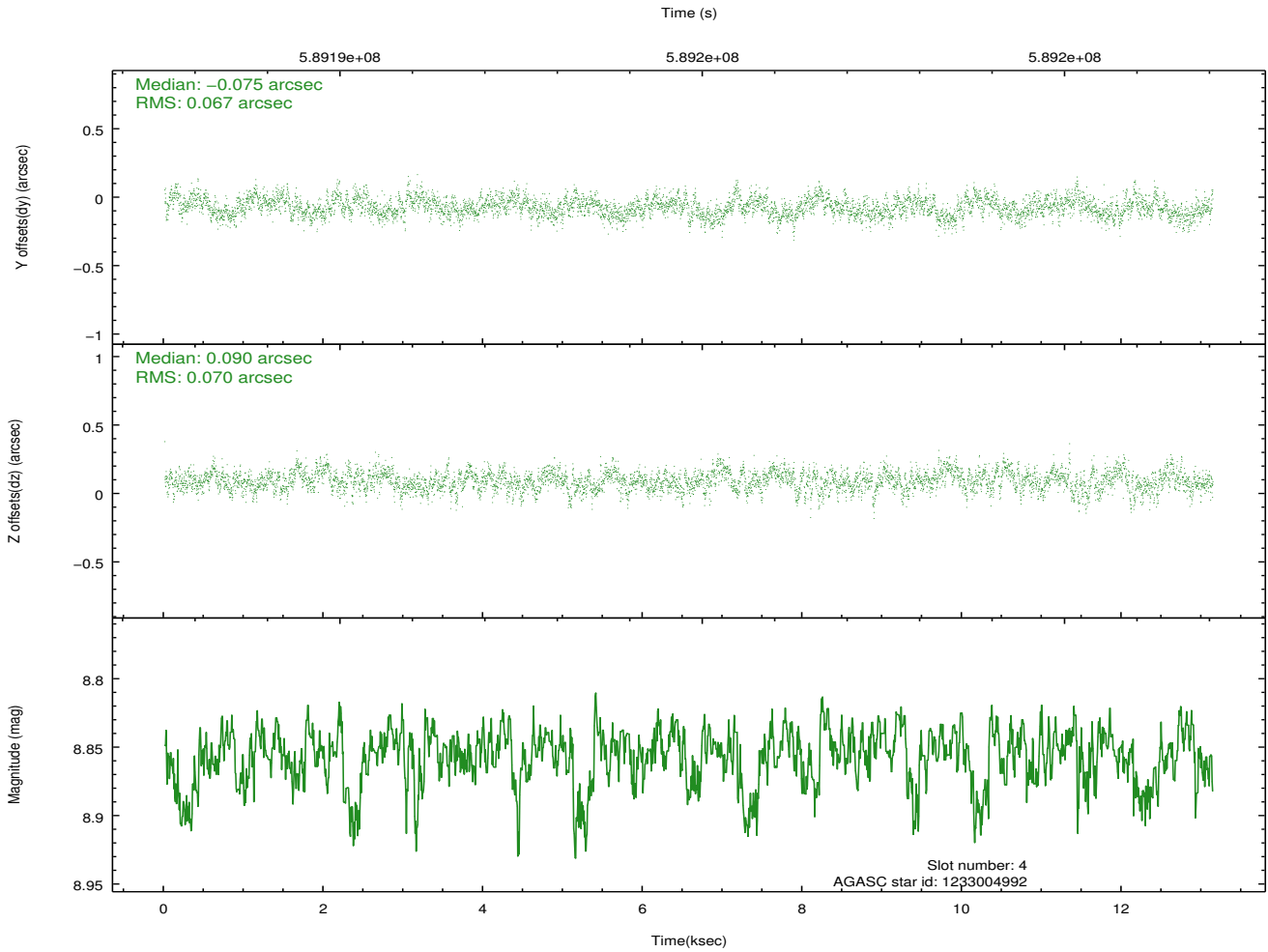
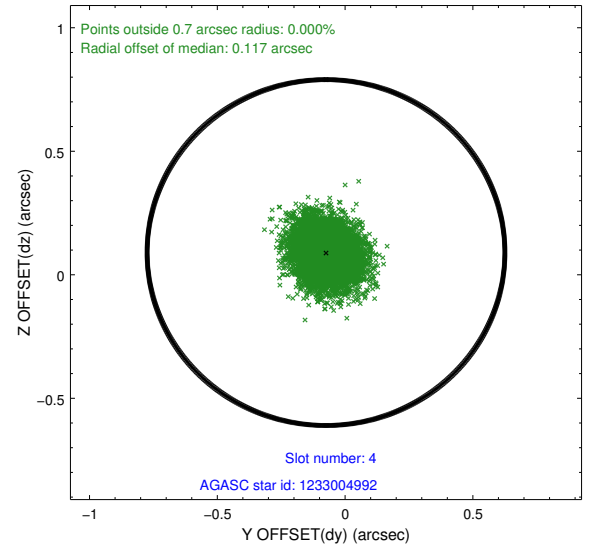
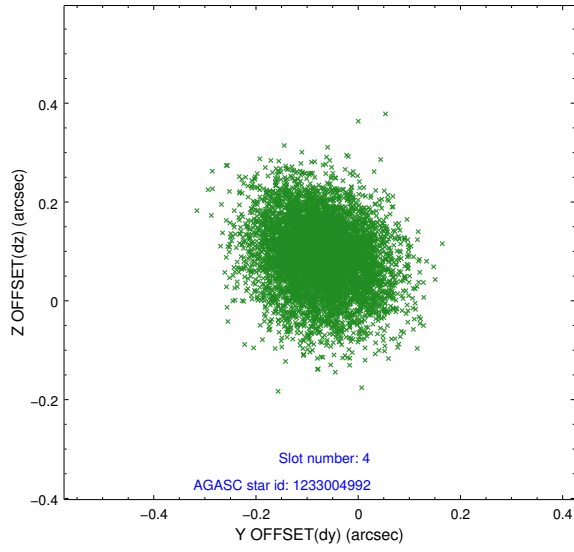
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.08	3204	0.077	0.078	0.015	0.031	0.000000	0.000000	924.93	-842.87
1	FID		ACIS-I-2	6.99	3203	-0.194	-0.075	0.014	0.027	0.000000	0.000000	-769.22	-849.60
2	FID		ACIS-I-6	7.09	3203	0.024	0.063	0.013	0.027	0.000000	0.000000	390.42	1698.76
3	GUIDE	used	1232610400	7.31	6407	-0.066	0.184	0.095	0.153	140.163669	-80.389865	585.53	-2117.11
4	GUIDE	used	1233004992	8.86	6403	-0.075	0.090	0.102	0.169	137.883742	-80.666323	1455.00	-682.70
5	GUIDE	used	1233128912	8.36	6402	-0.003	-0.030	0.093	0.152	141.117340	-81.115587	-856.46	132.95
6	GUIDE	used	1233132296	8.96	6400	0.150	0.109	0.134	0.215	141.892384	-81.701661	-1965.37	1976.53
7	GUIDE	used	1233134584	8.91	6400	-0.004	-0.357	0.110	0.182	140.347681	-81.716366	-1231.56	2303.23

2.4 Star Slots

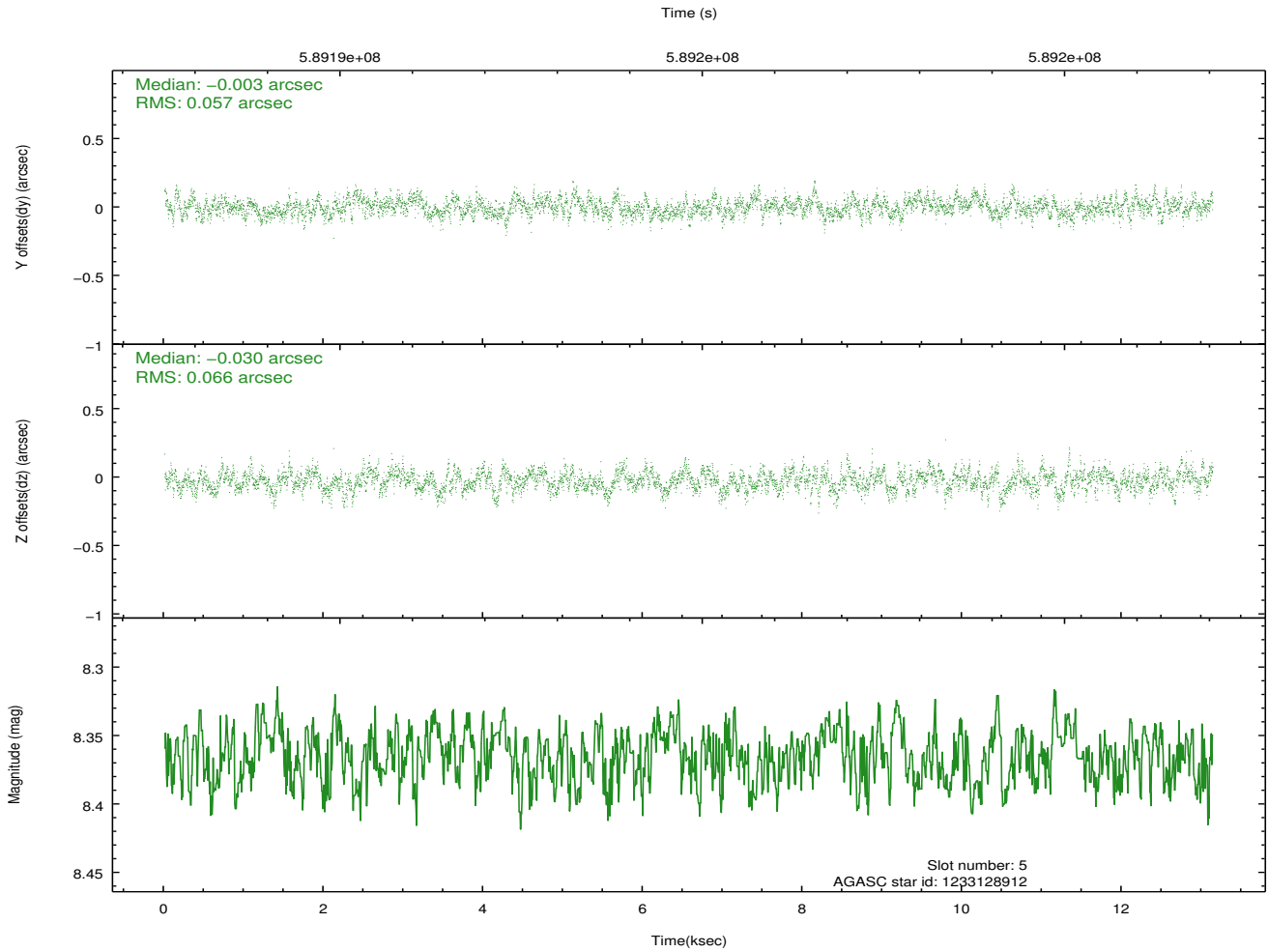
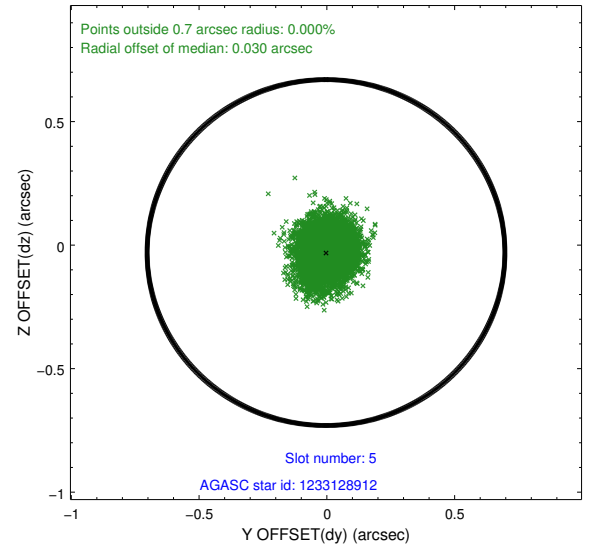
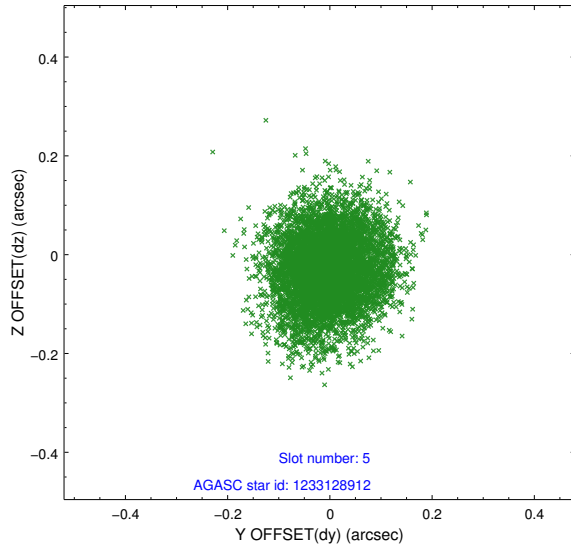
2.4.1 Slot 3



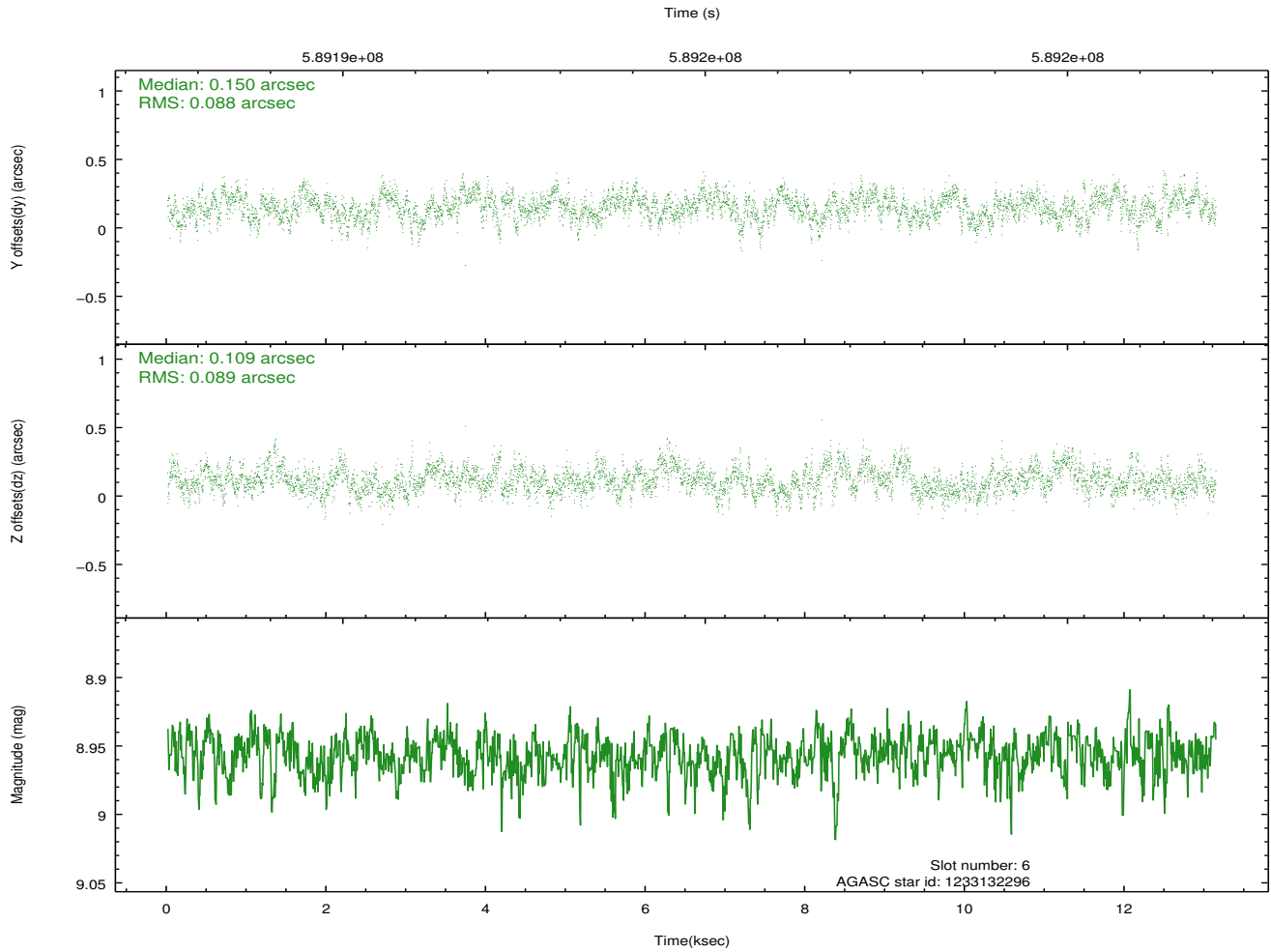
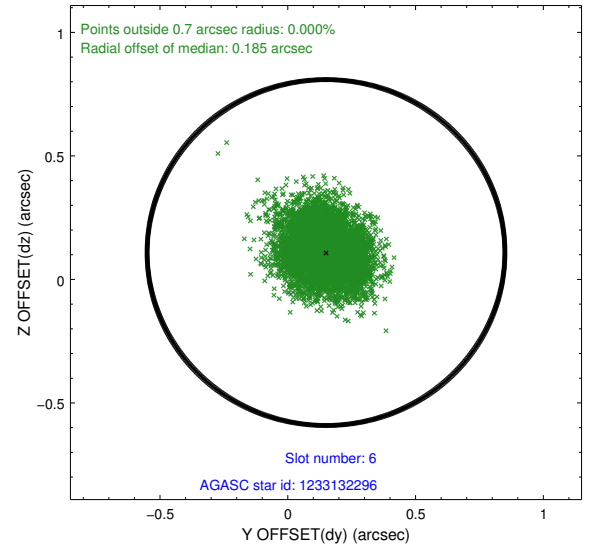
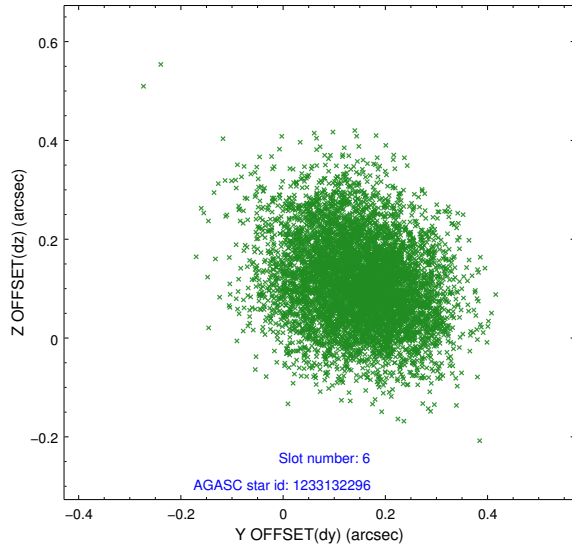
2.4.2 Slot 4



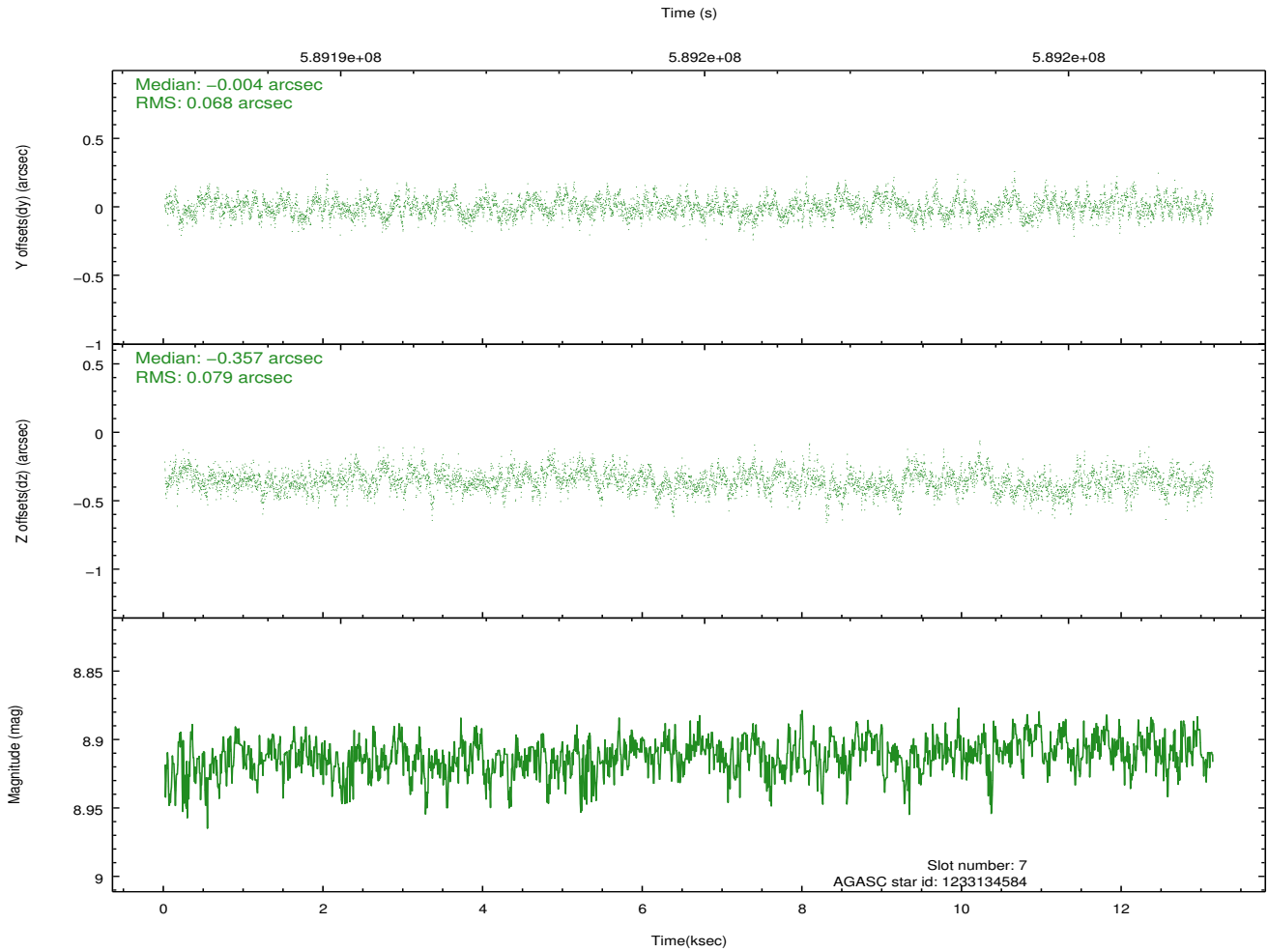
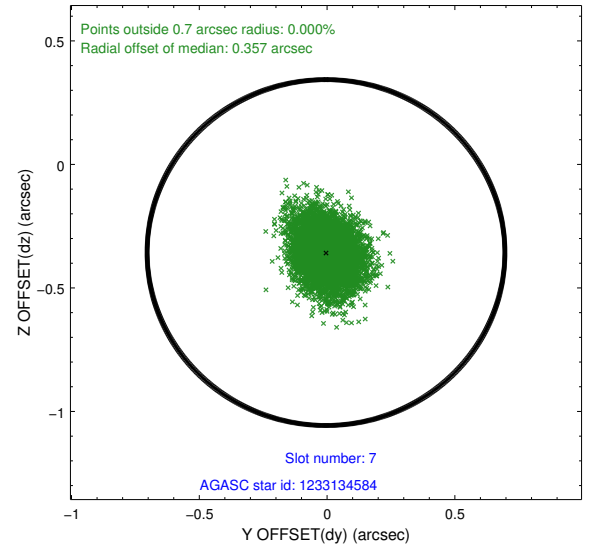
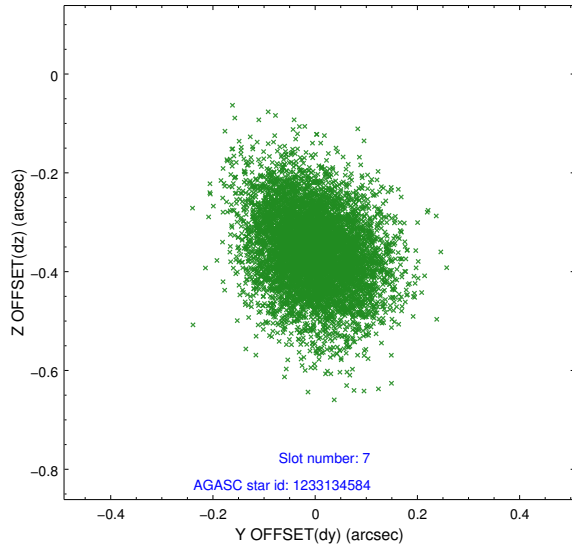
2.4.3 Slot 5



2.4.4 Slot 6

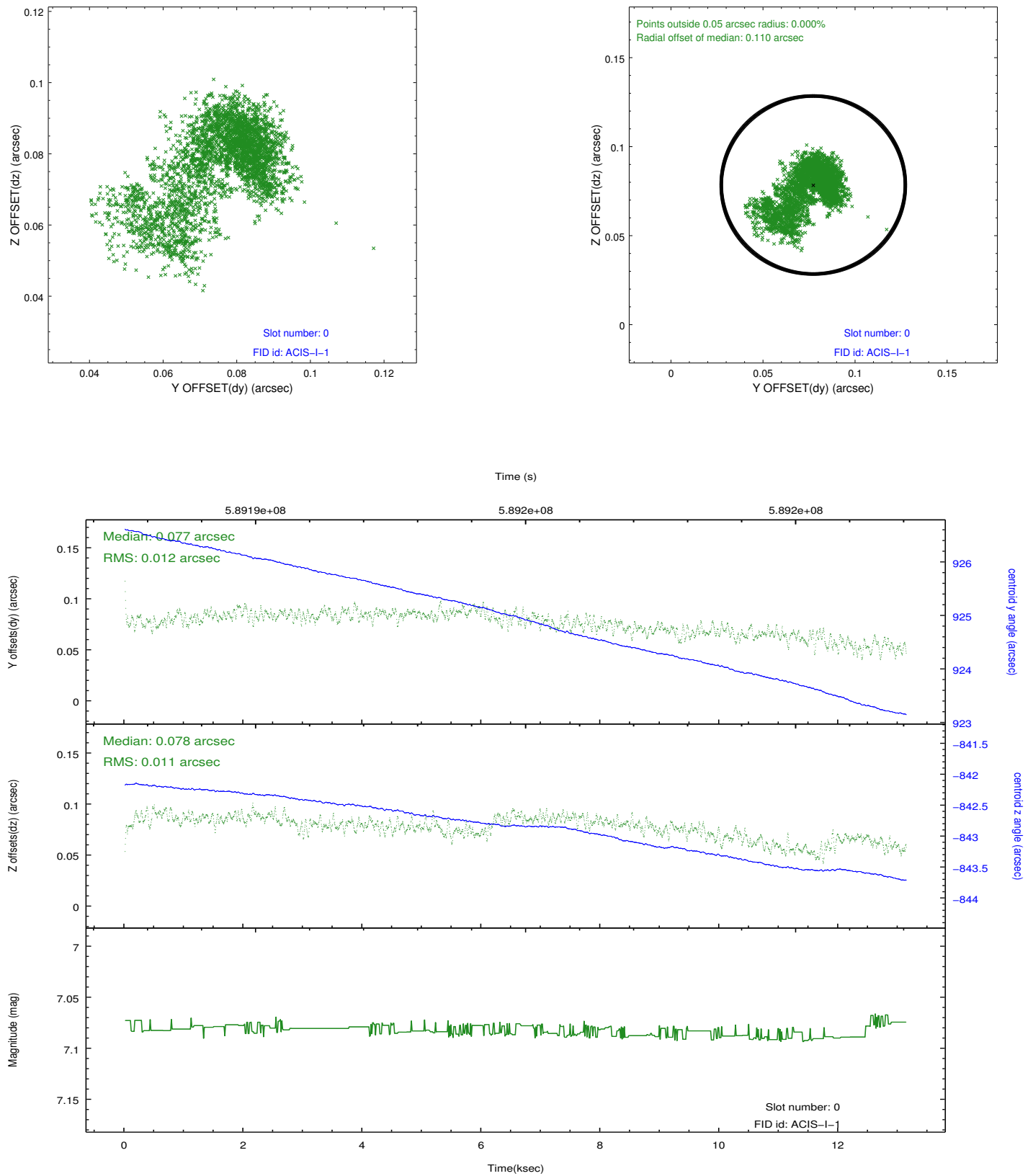


2.4.5 Slot 7

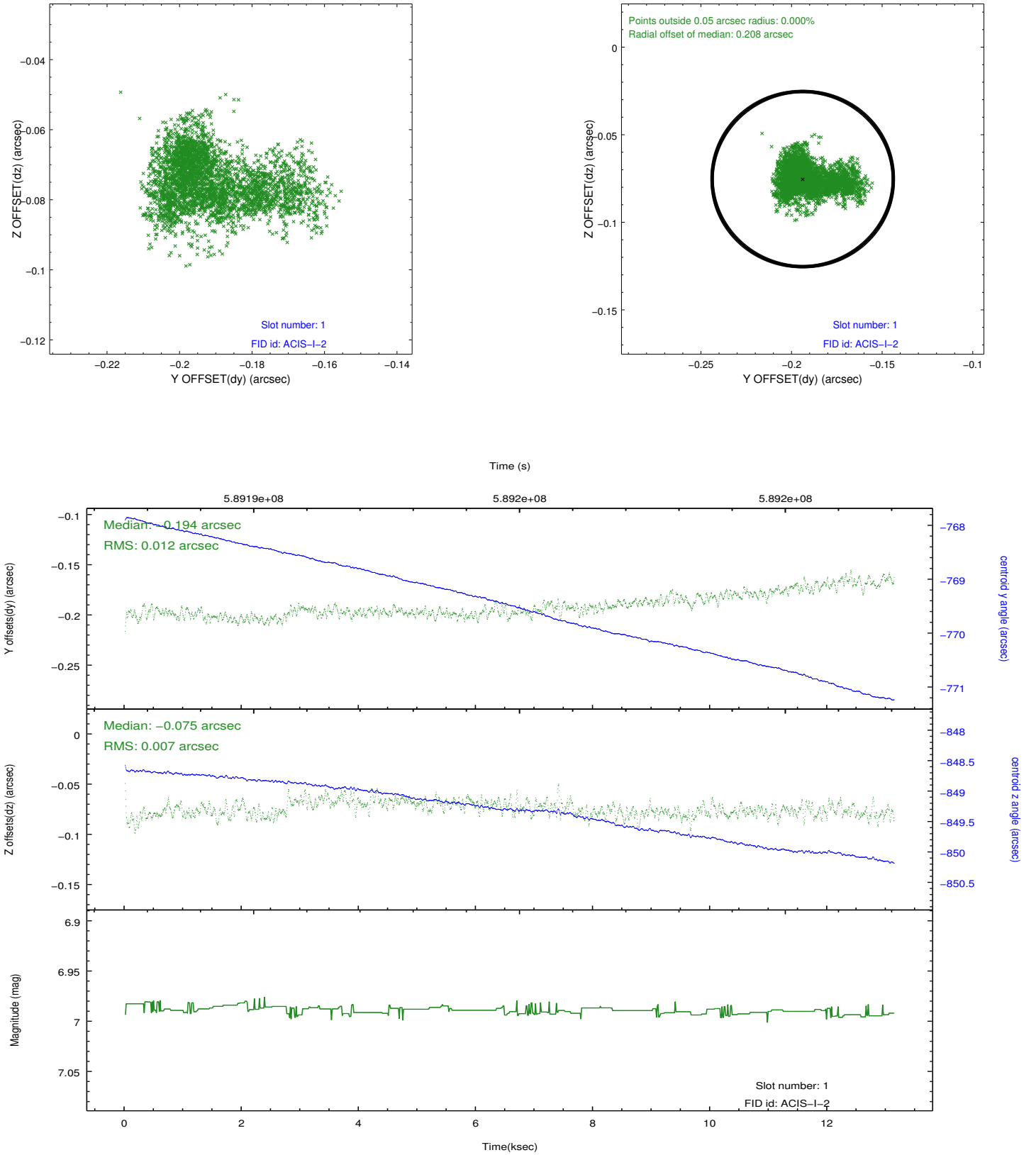


2.5 FID Slots

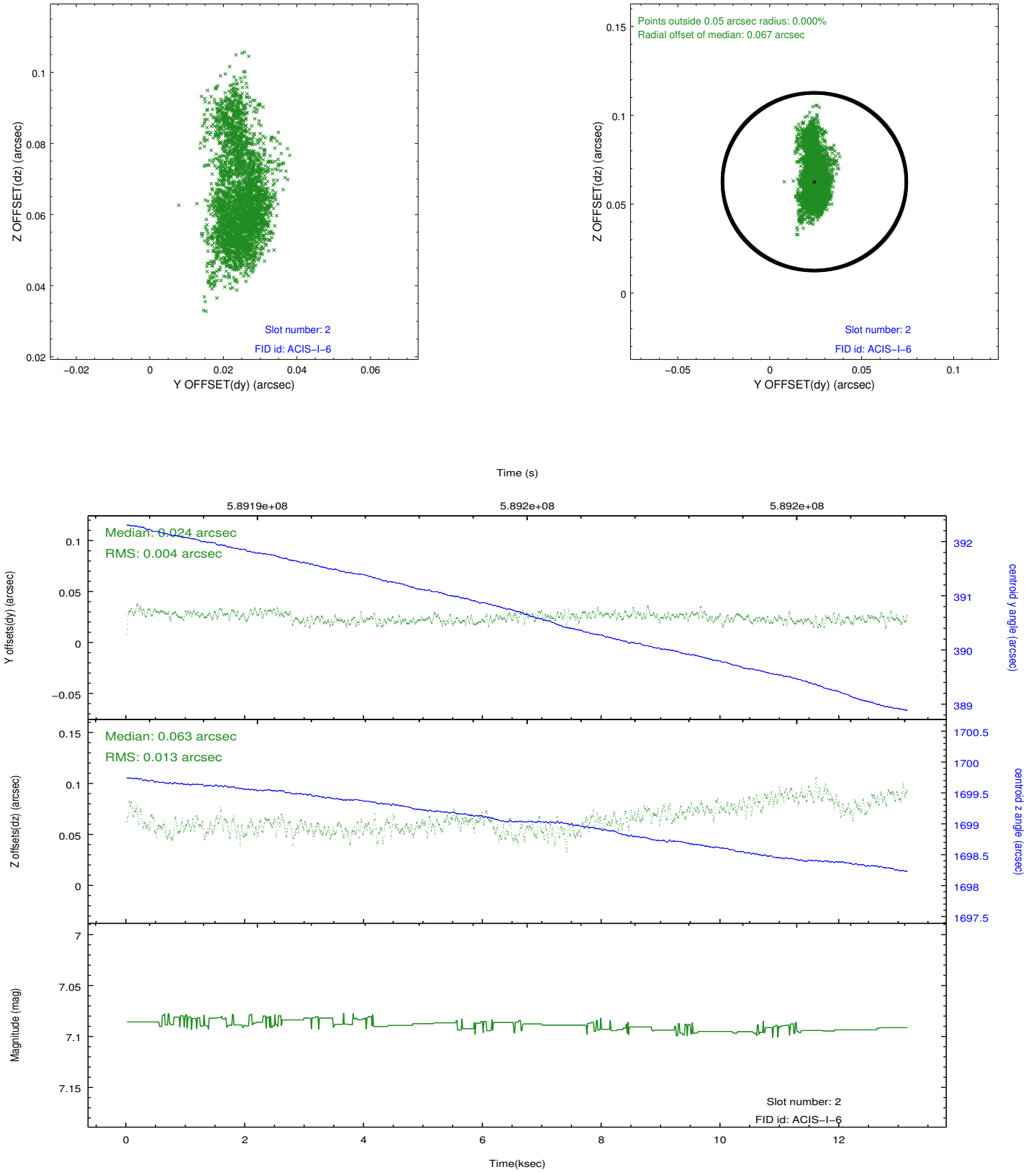
2.5.1 Slot 0



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)	2016.09.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.793700098515

A.2 Comments