

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 18258 - L2 Version 1
Chandra X-Ray Center

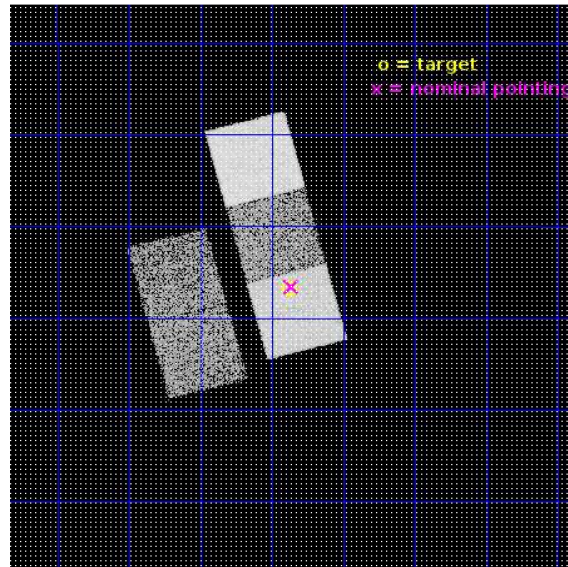
L2 Processing Date : Sep 27 2016

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1 Front

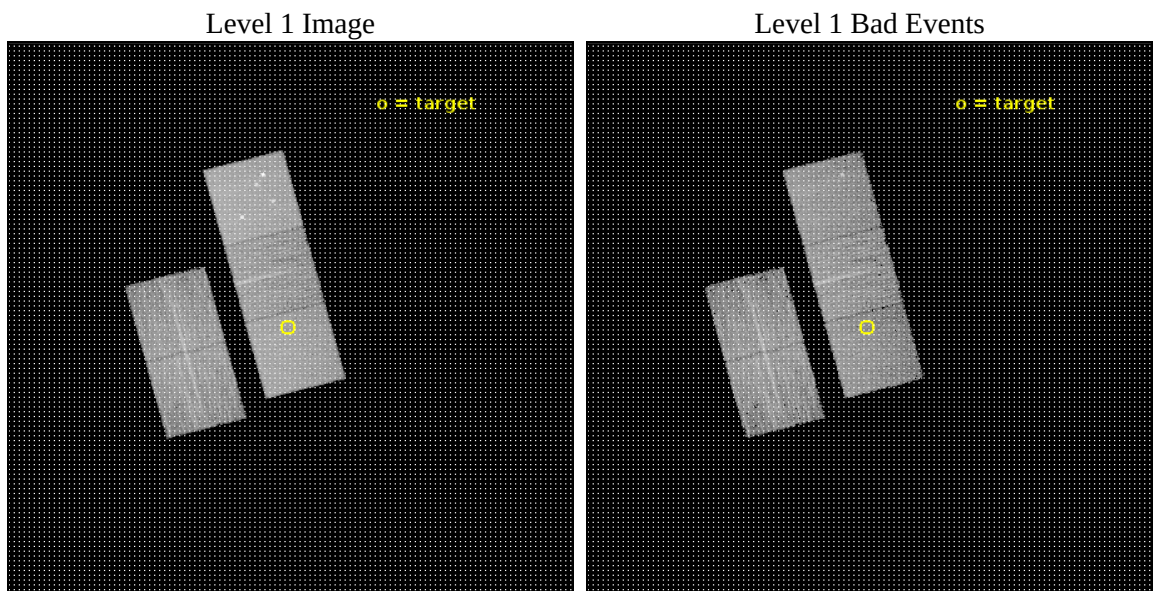
seq_num	801582	Sequence number
obs_id	18258	Observation id
title	Building a complete sample of $z>1$ XXL galaxy clusters	Proposal tit
observer	Dr Ben Maughan	Principal investigator
object	XLSS J022252.3-041647	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	35.717917	Observer's specified target RA [deg]
dec_targ	-4.28	Observer's specified target Dec [deg]
ra_nom	35.71515941597	Nominal RA [deg]
dec_nom	-4.2761441458154	Nominal Dec [deg]
roll_nom	75.156460513791	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10050.159244895	Sum of GTIs [s]
livetime	9918.8465155408	Livetime [s]
ontime2	10046.854054689	Sum of GTIs [s]
ontime3	10050.036124945	Sum of GTIs [s]
ontime5	10050.118204951	Sum of GTIs [s]
ontime6	10050.077164888	Sum of GTIs [s]
ontime7	10050.159244895	Sum of GTIs [s]
l2events	106449	Number of level 2 events



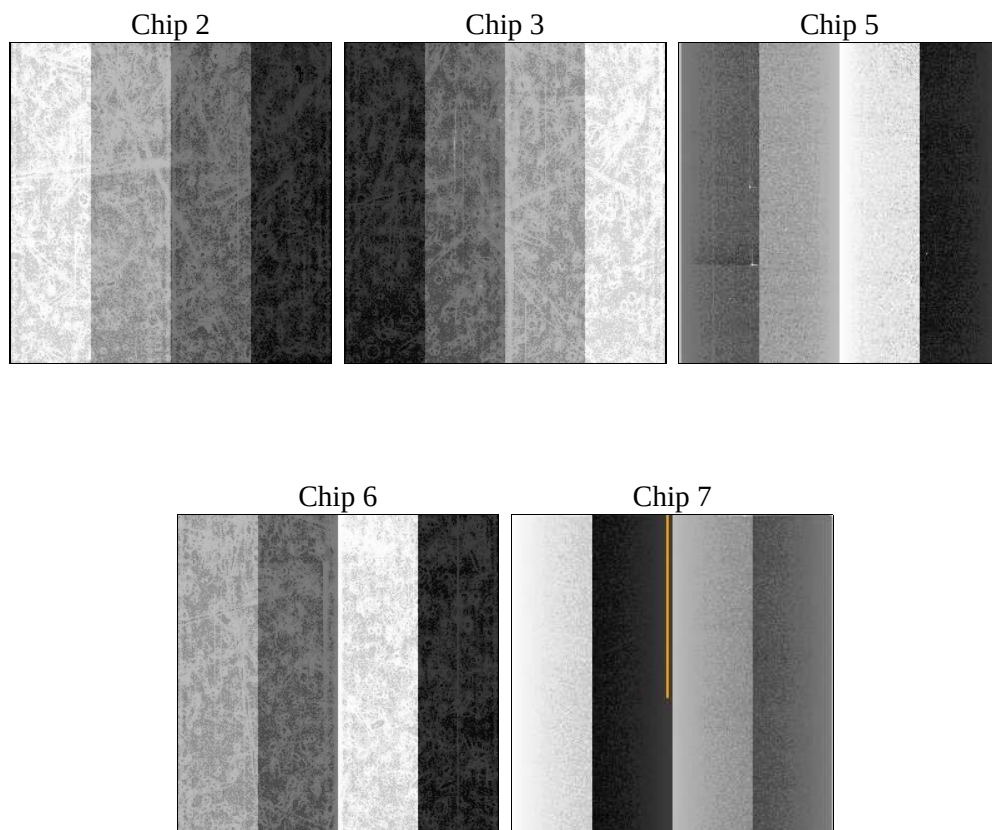
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.377000	[s] Scheduled observation exposure time
ascdsver	10.5.1.1	Processing system revision	ontime	10050.159244895	Sum of GTIs [s]
caldsver	4.7.2	 	ontime2	10046.854054689	Sum of GTIs [s]
date	2016-09-27T12:46:26	Date and time of file creation	ontime3	10050.036124945	Sum of GTIs [s]
revision	1	Processing version of data	ontime5	10050.118204951	Sum of GTIs [s]
			ontime6	10050.077164888	Sum of GTIs [s]
			ontime7	10050.159244895	Sum of GTIs [s]
			l1events	403841	Number of level 1 events

2.1.4 Events

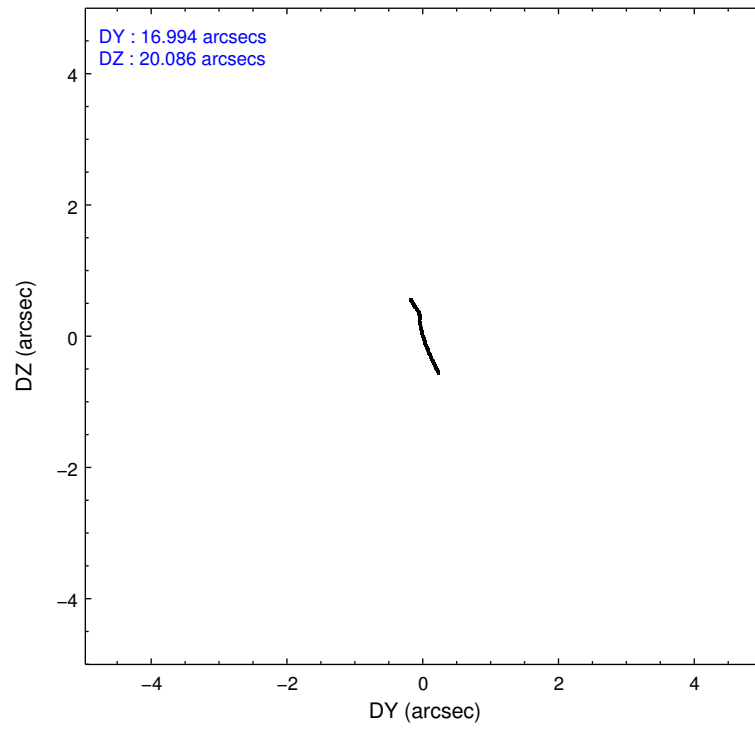
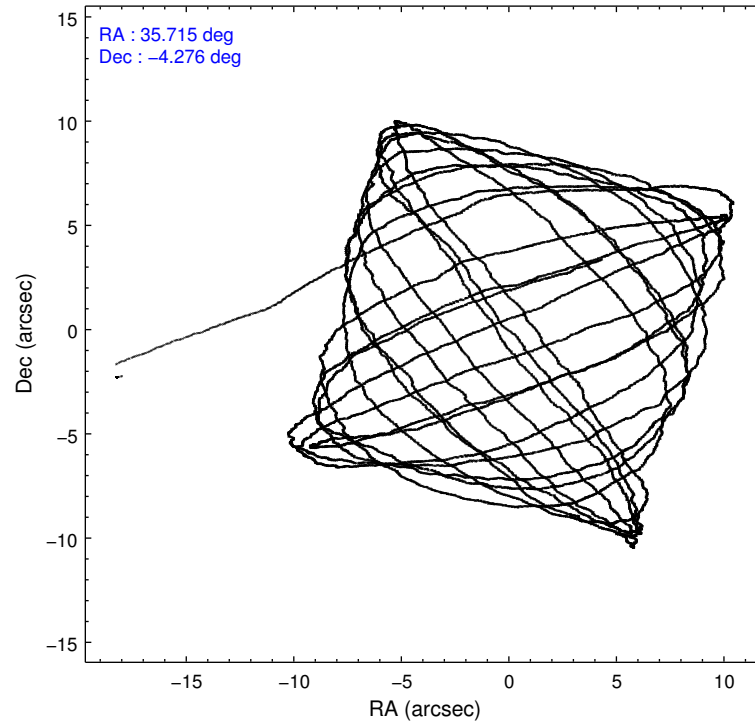
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	65874	67402	113450	69473	87642
rejected events	58701	60327	55979	61569	49302
rejected %	89%	89%	49%	88%	56%

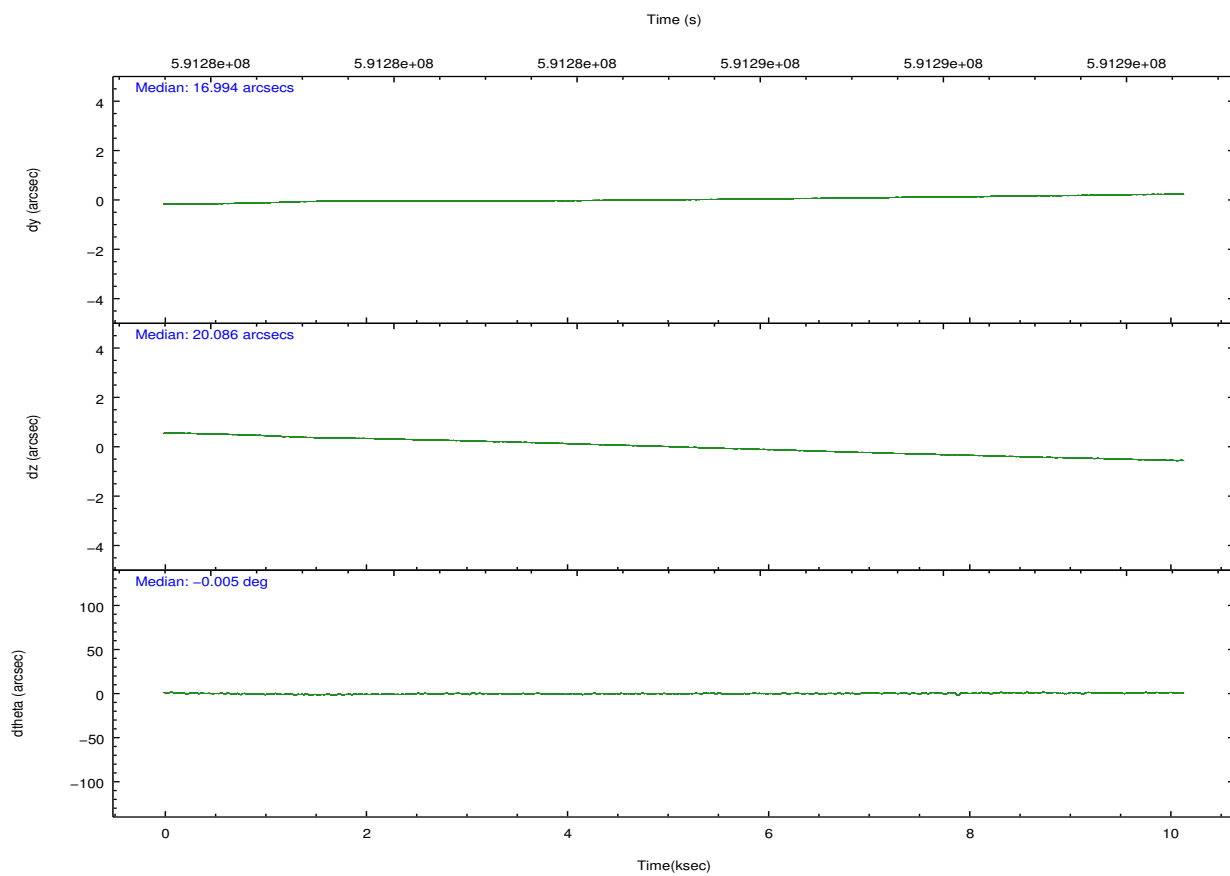
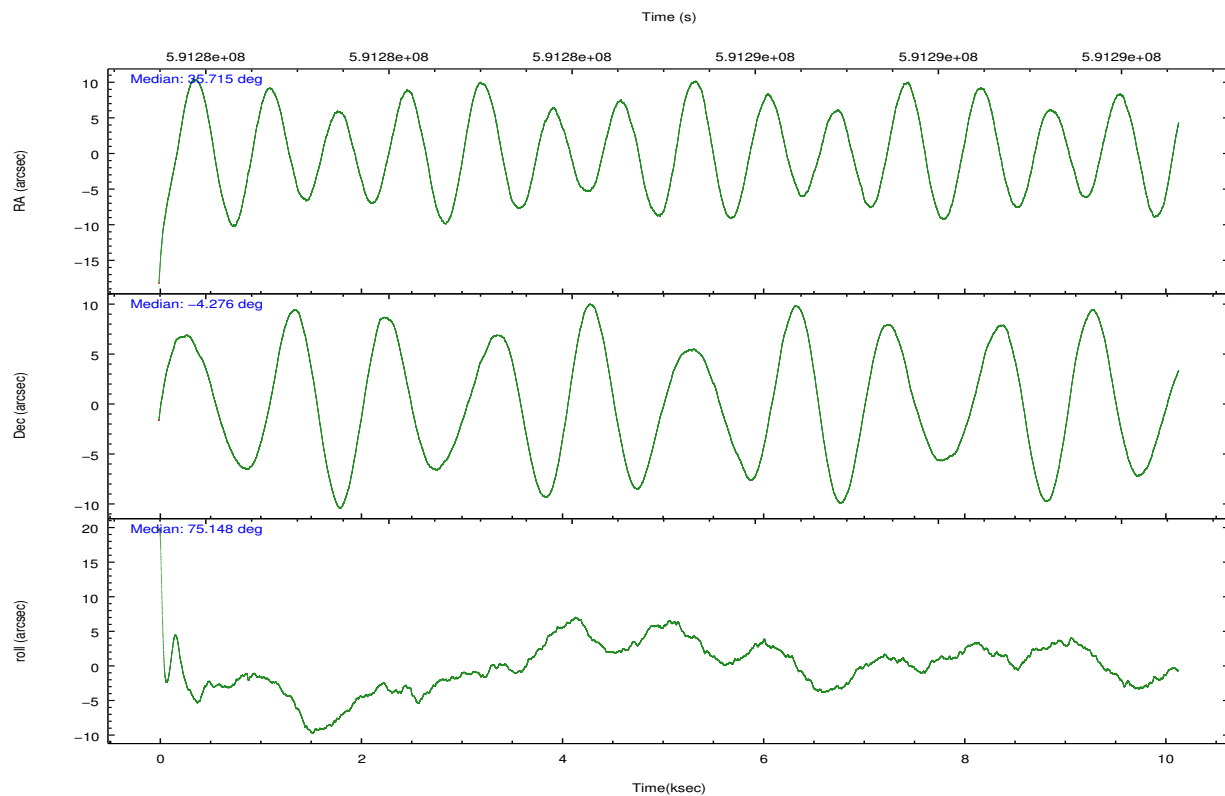
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	2496	2477	7790	2676	3337
	3%	3%	6%	3%	3%
grade 1 events	39	47	238	30	132
	0%	0%	0%	0%	0%
grade 2 events	1847	1532	17715	1788	8151
	2%	2%	15%	2%	9%
grade 3 events	715	786	1754	819	3194
	1%	1%	1%	1%	3%
grade 4 events	777	768	1736	801	3140
	1%	1%	1%	1%	3%
grade 5 events	2707	3219	8033	3251	8931
	4%	4%	7%	4%	10%
grade 6 events	1345	1514	28501	1824	20528
	2%	2%	25%	2%	23%
grade 7 events	55948	57059	47683	58284	40229
	84%	84%	42%	83%	45%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23567	ACIS-23567	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	35.722761	35.71515941596971	Subarray requested	NONE	NONE
[deg] Pointing Dec	-4.302558	-4.276144145815397	Alternating exposures requested	N	N
[deg] Pointing Roll	75.000357	75.15646051379061	[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)	591280128.184000	591278743.61962			
Observation start date	2016-09-26T12:27:40	2016-09-26T12:05:43			
[s] Observation end time (MET)	591290128.184000	591290351.23278			
Observation end date	2016-09-26T15:14:20	2016-09-26T15:19:11			
Read mode	TIMED	TIMED			

2.3 Aspect



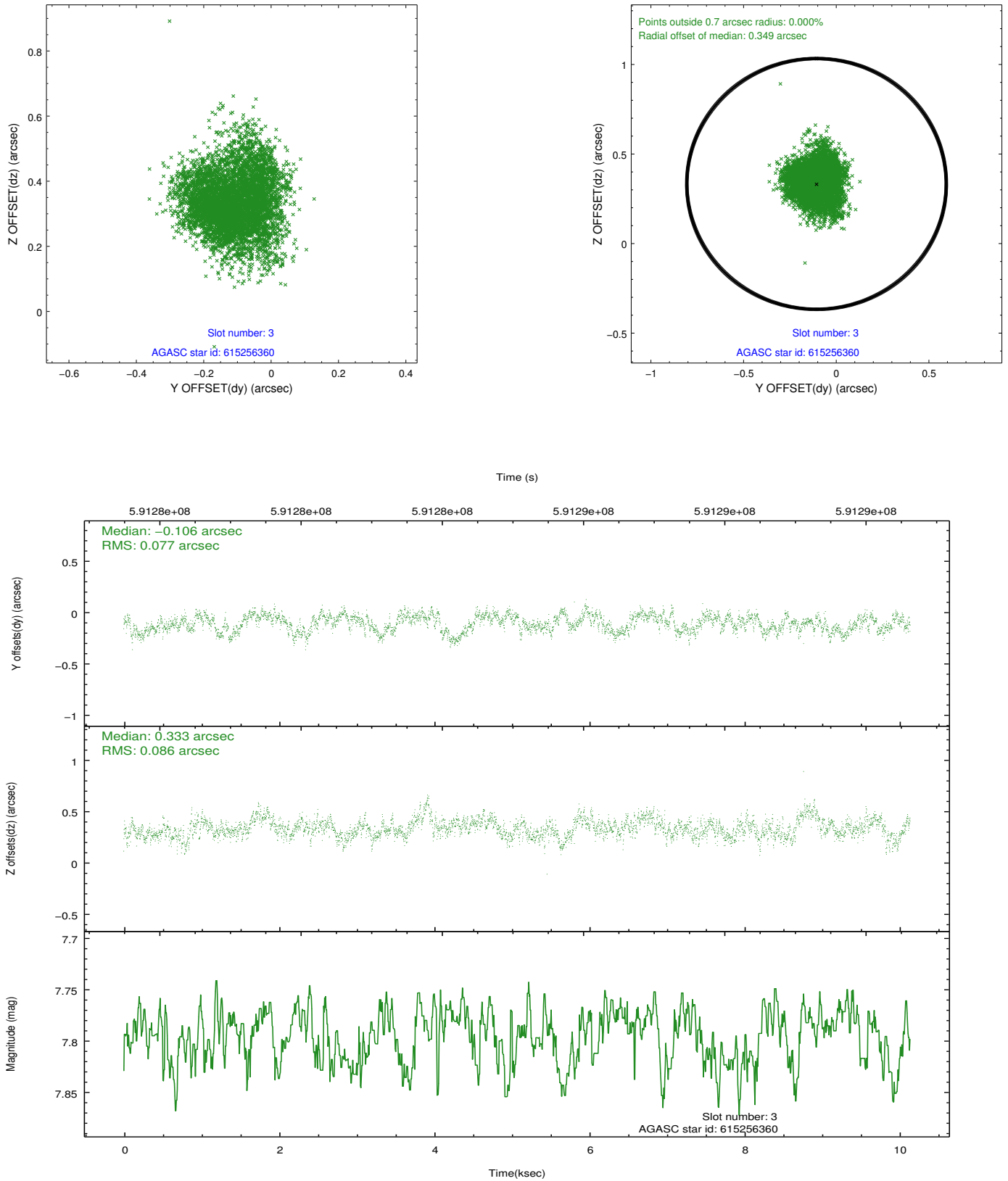


Slot Statistics

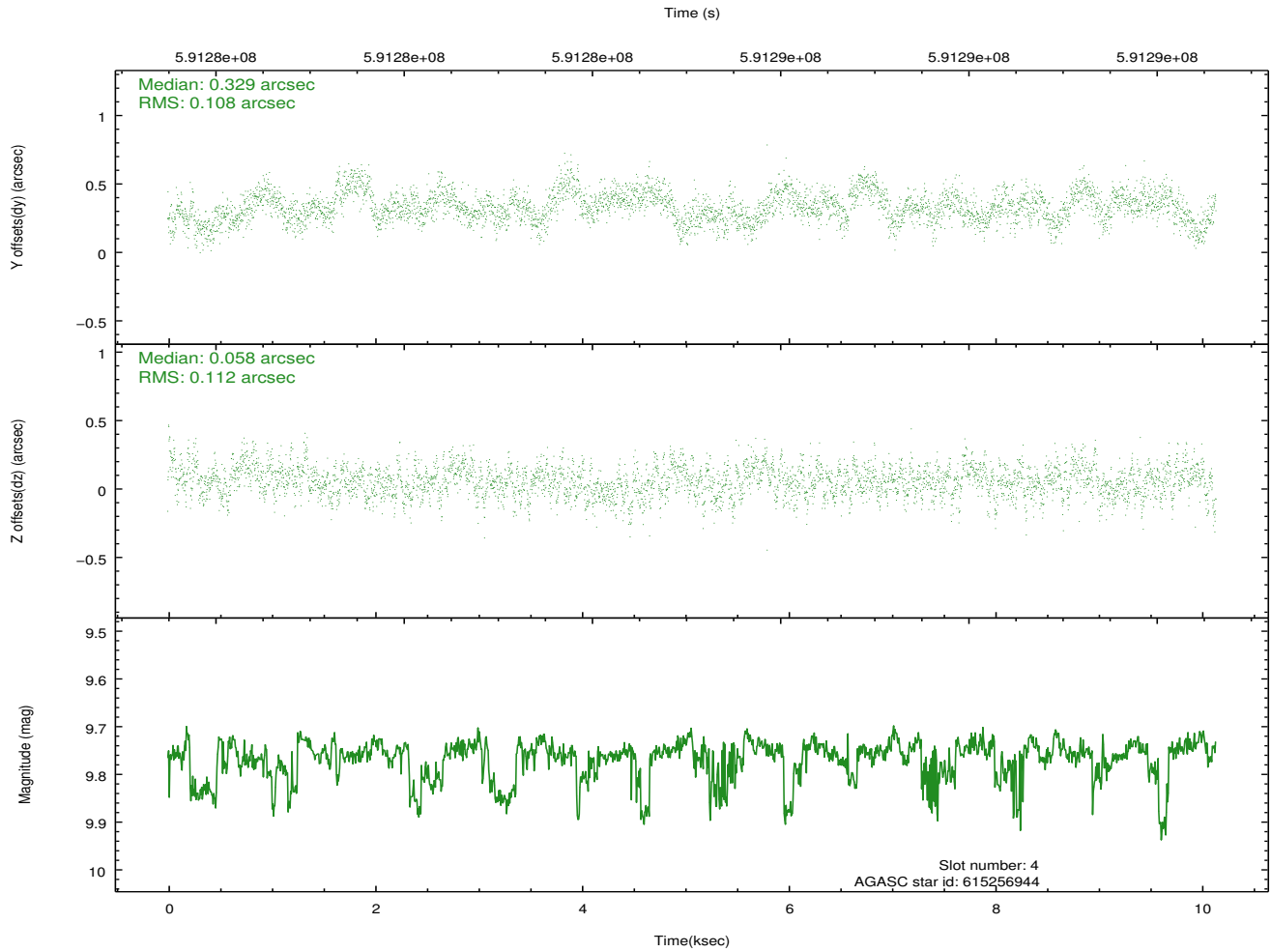
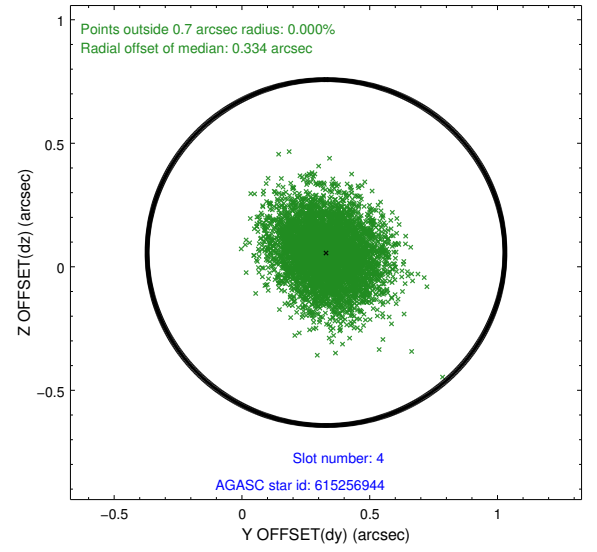
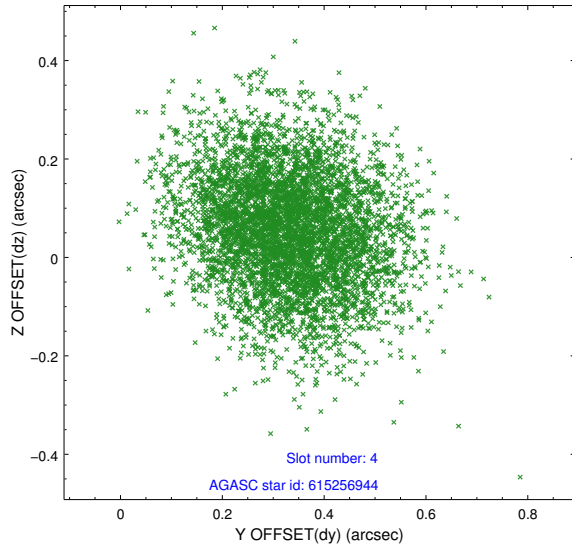
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	6.93	2474	-0.191	-0.071	0.010	0.018	0.000000	0.000000	-770.20	-1741.69
1	FID		ACIS-S-4	7.04	2473	0.424	0.111	0.009	0.016	0.000000	0.000000	2143.41	166.50
2	FID		ACIS-S-5	7.03	2474	-0.264	-0.031	0.011	0.019	0.000000	0.000000	-1822.49	160.54
3	GUIDE	used	615256360	7.79	4947	-0.106	0.333	0.123	0.192	36.286608	-3.875886	2007.45	-1559.38
4	GUIDE	used	615256944	9.76	4939	0.329	0.058	0.166	0.269	35.497386	-4.510719	-932.81	586.60
5	GUIDE	used	615256952	9.18	4942	-0.181	-0.072	0.185	0.277	35.229841	-4.099841	245.81	1898.12
6	GUIDE	used	615257232	9.96	4942	-0.166	-0.229	0.273	0.454	35.757481	-3.685724	2177.20	454.33
7	GUIDE	used	615260160	9.66	4941	0.161	-0.052	0.234	0.359	35.737387	-3.921265	1338.42	303.53

2.4 Star Slots

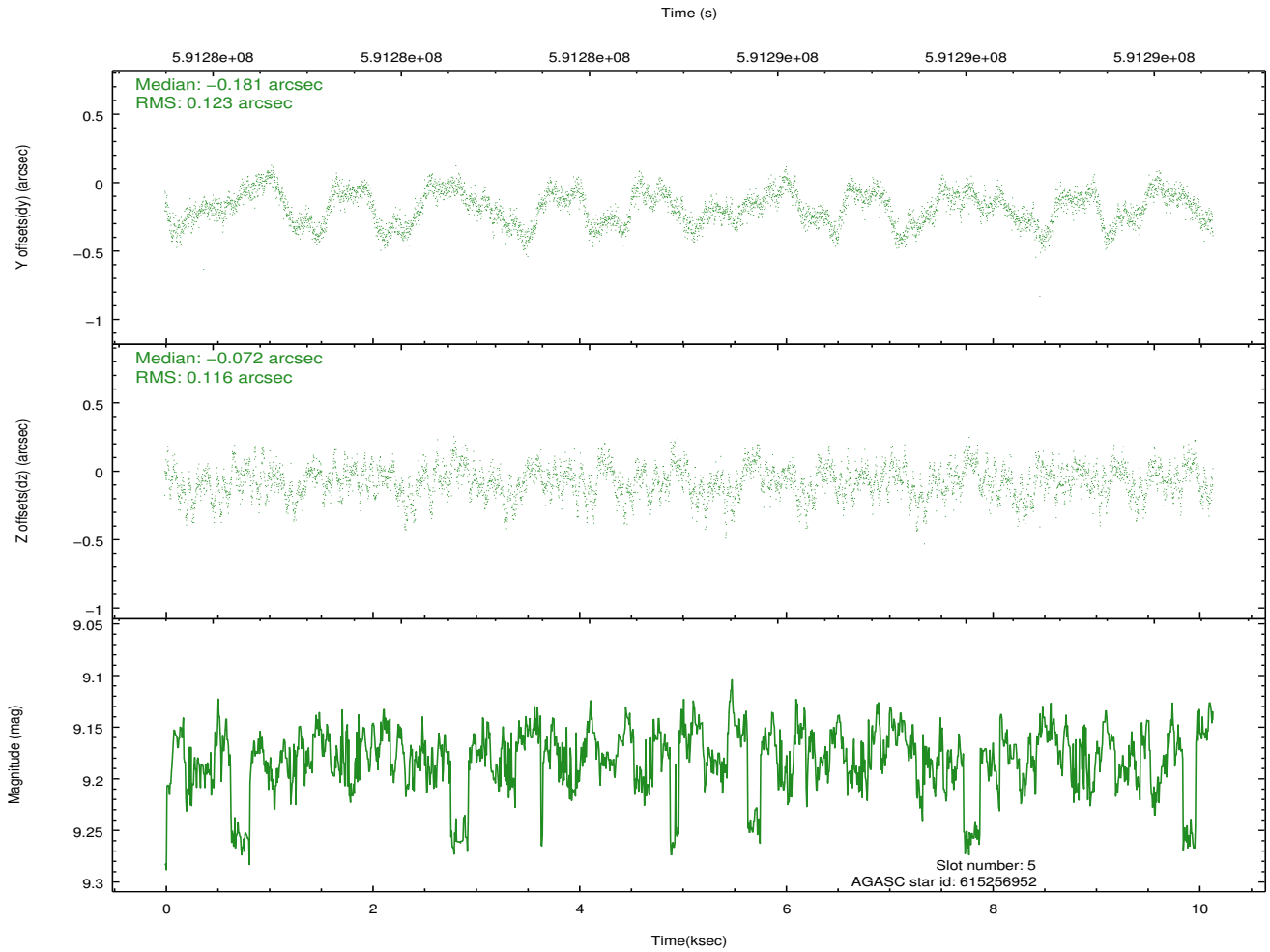
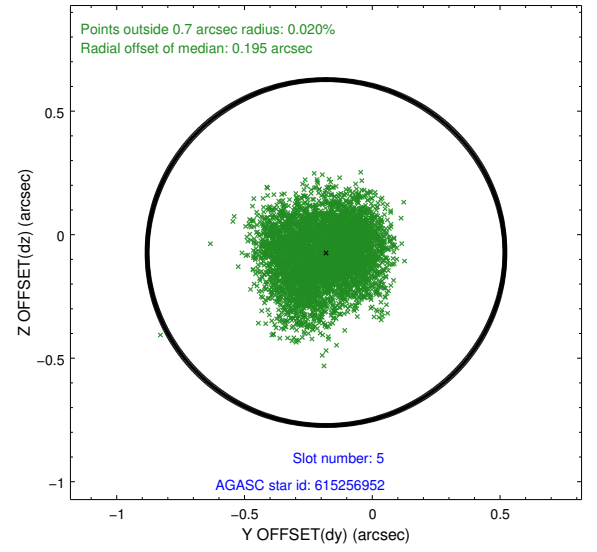
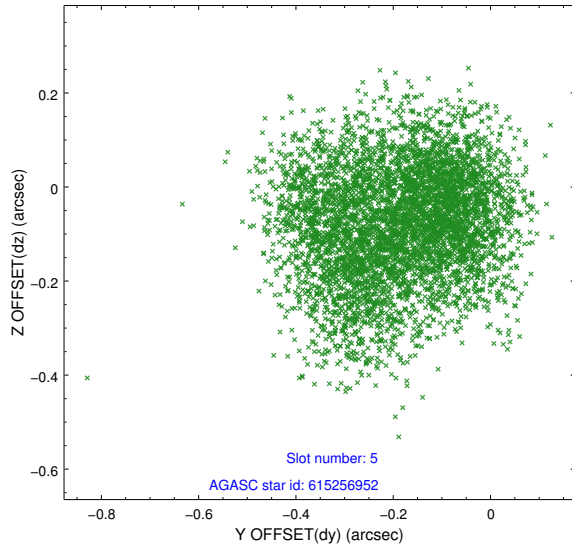
2.4.1 Slot 3



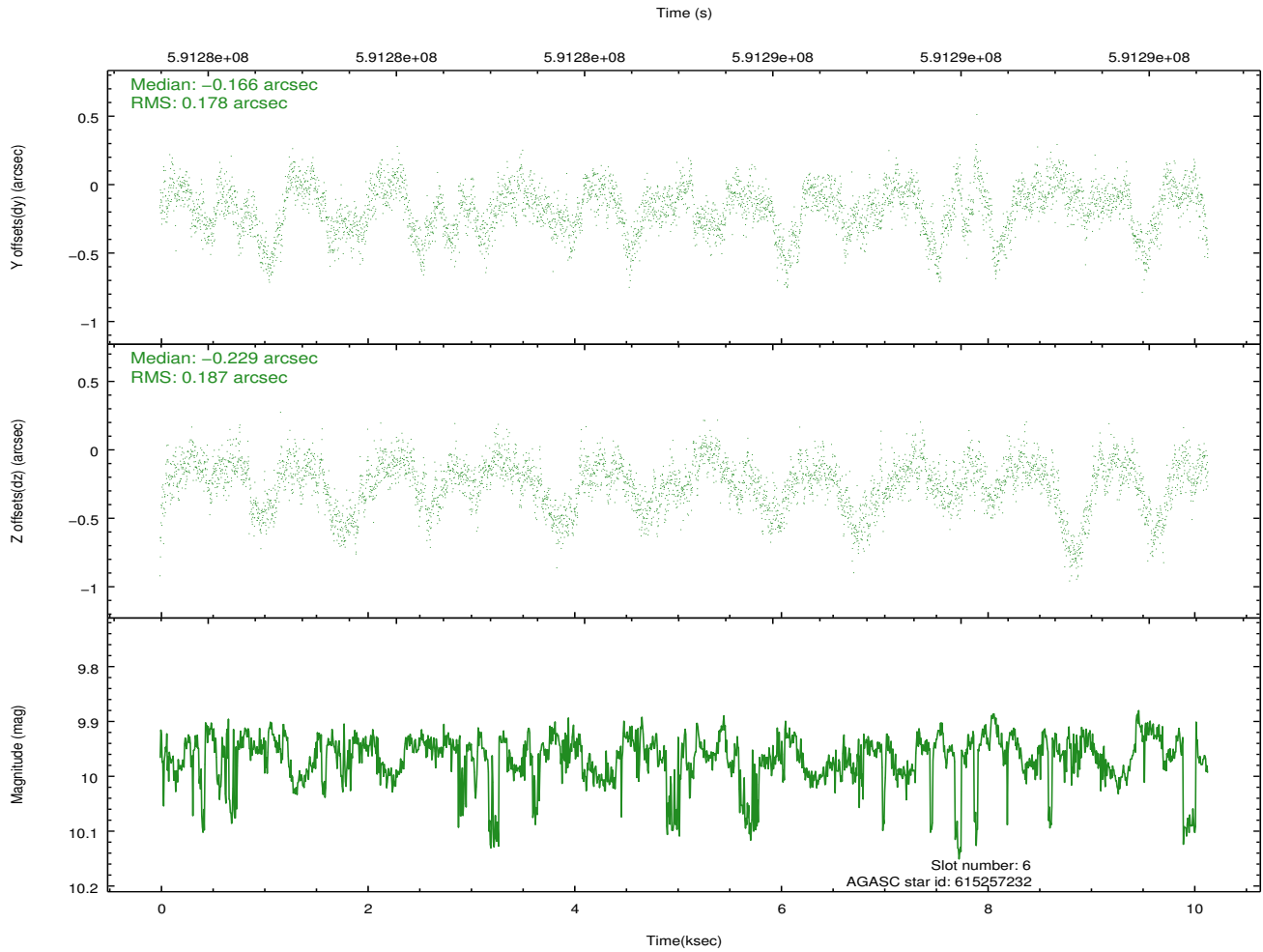
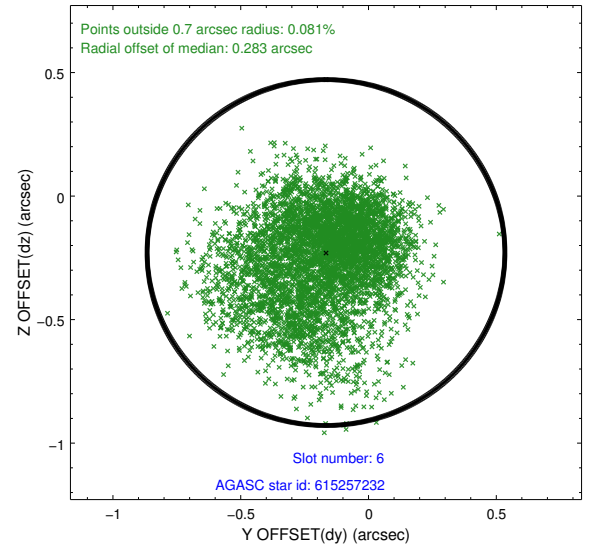
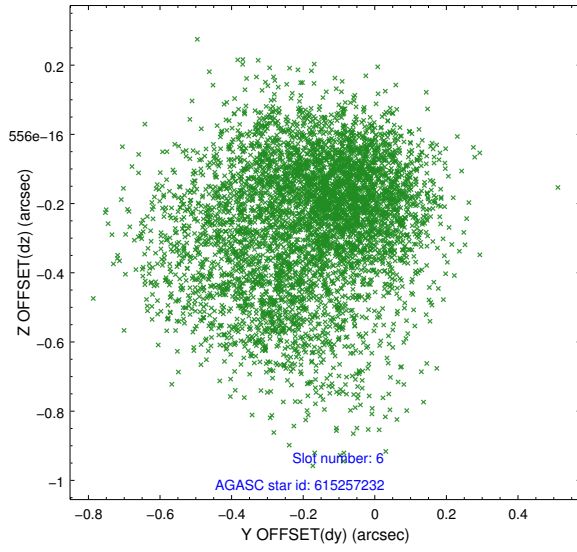
2.4.2 Slot 4



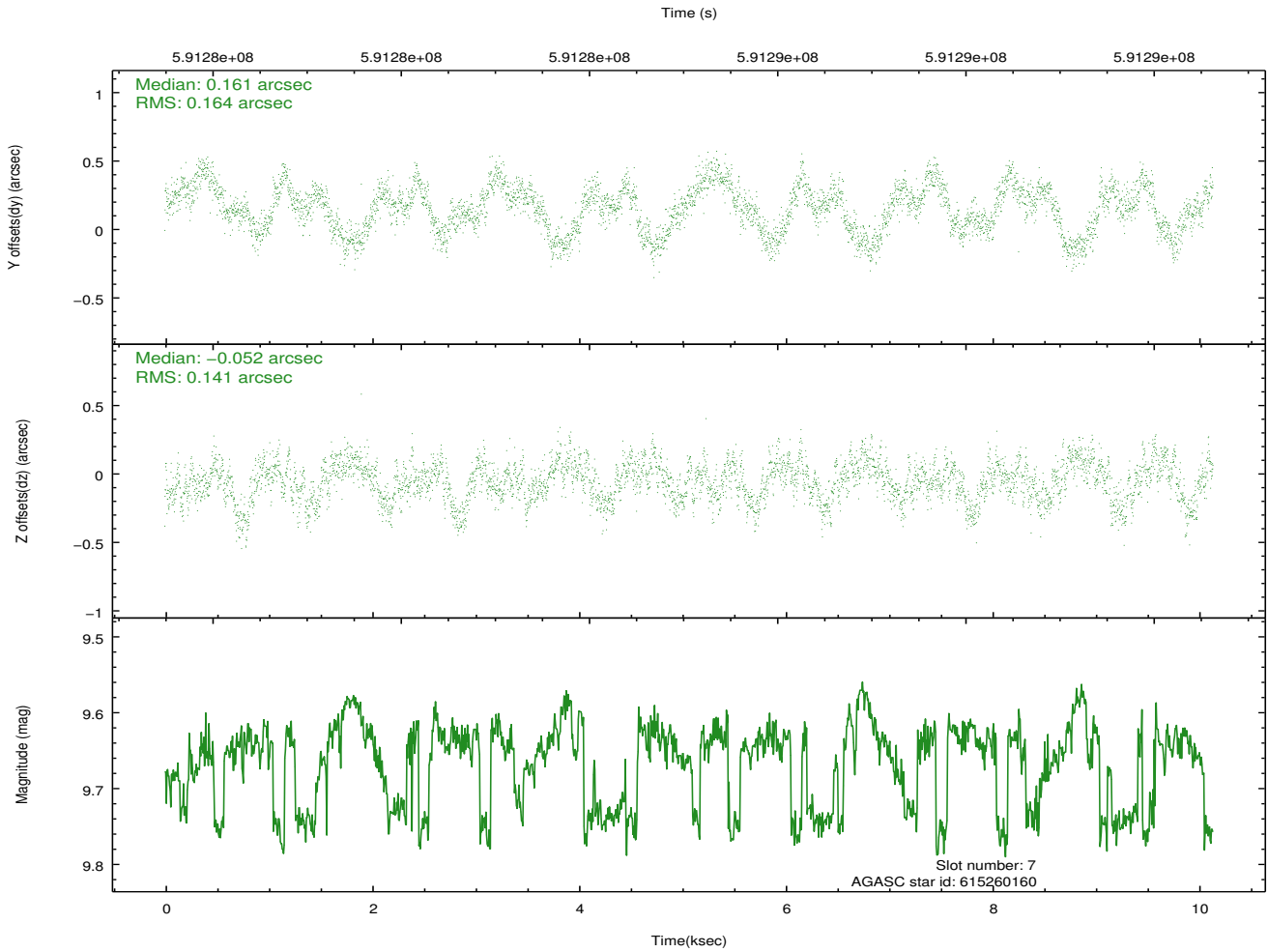
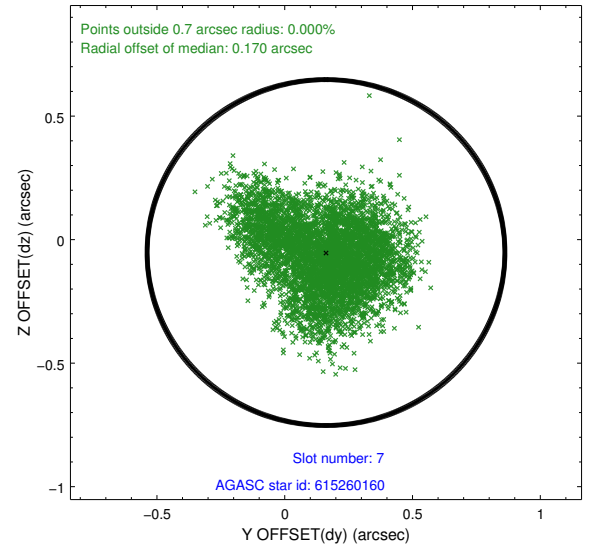
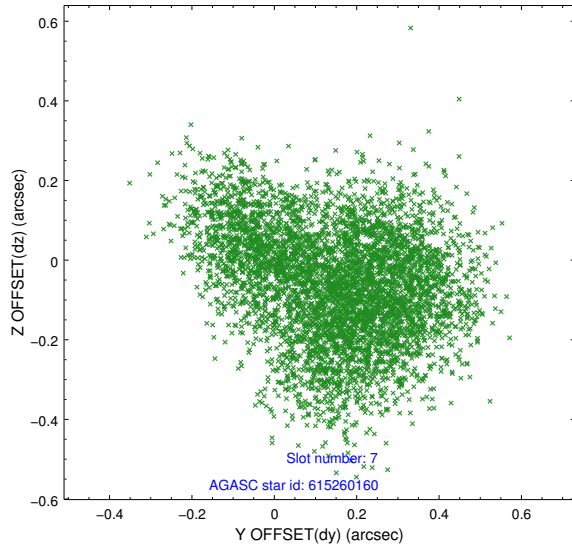
2.4.3 Slot 5



2.4.4 Slot 6

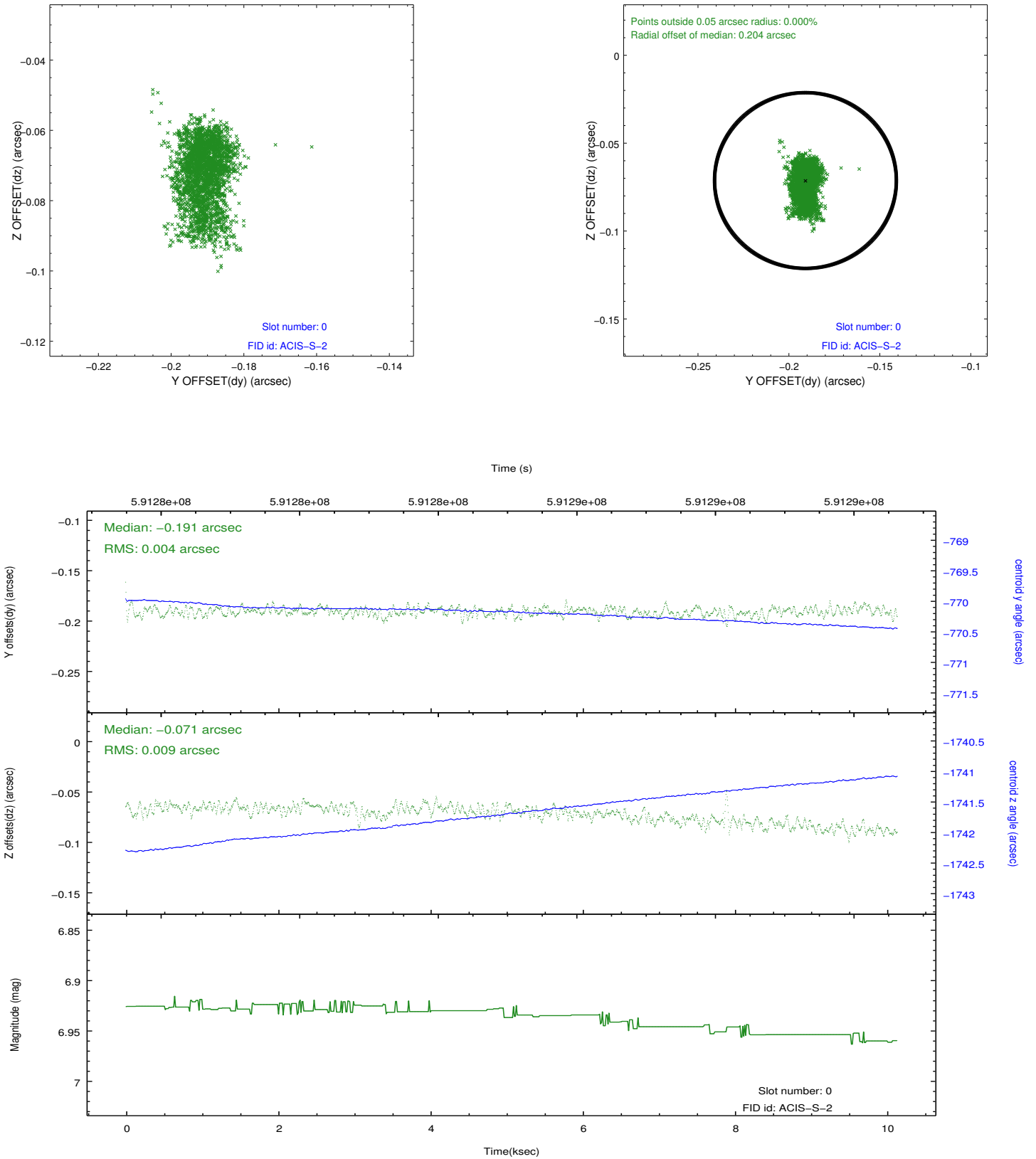


2.4.5 Slot 7

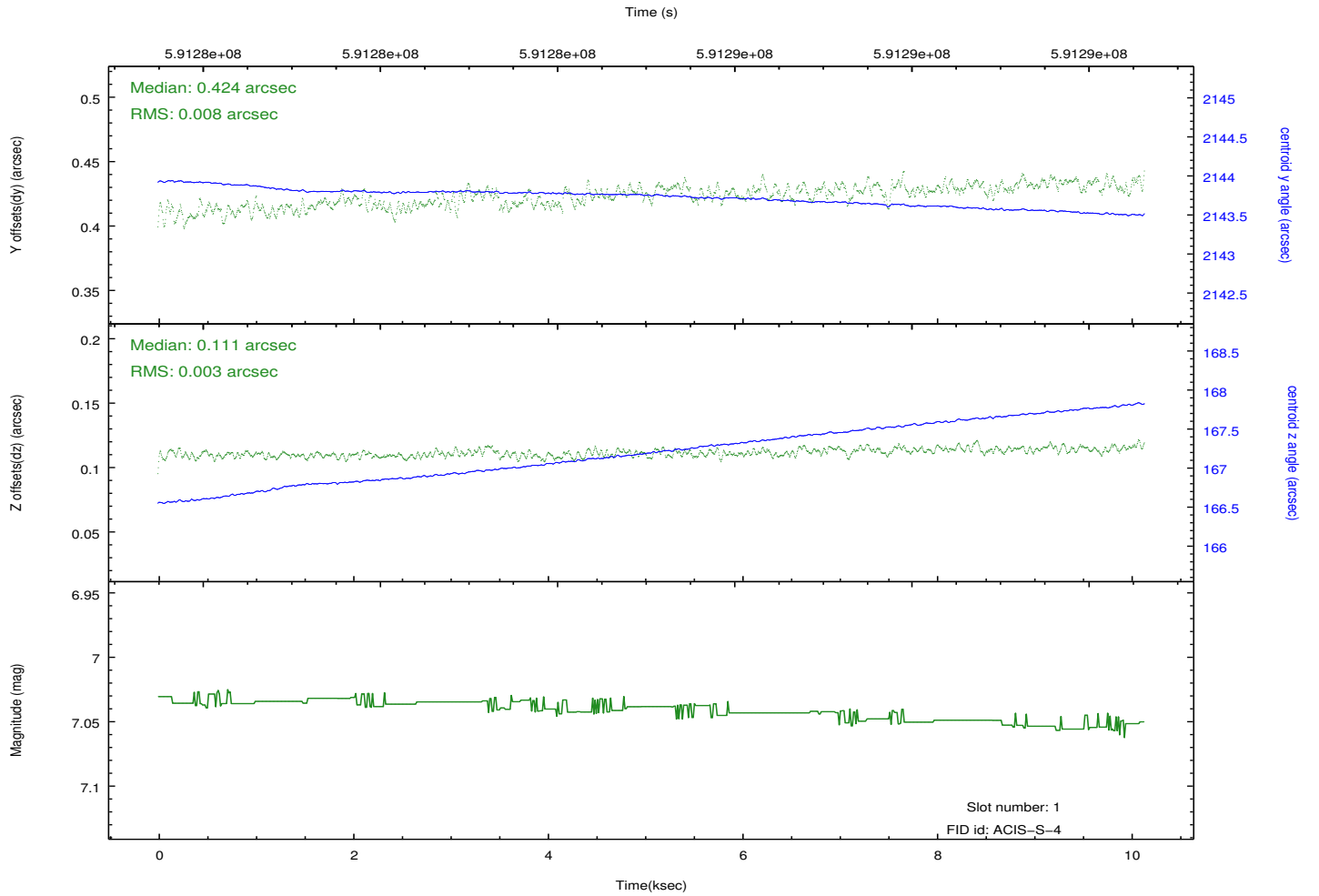
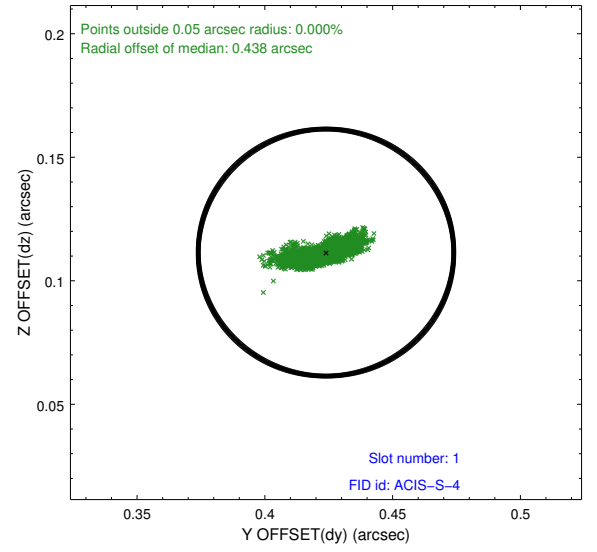
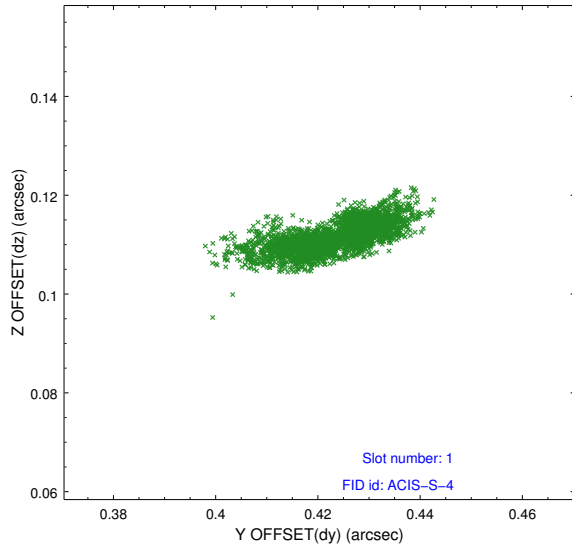


2.5 FID Slots

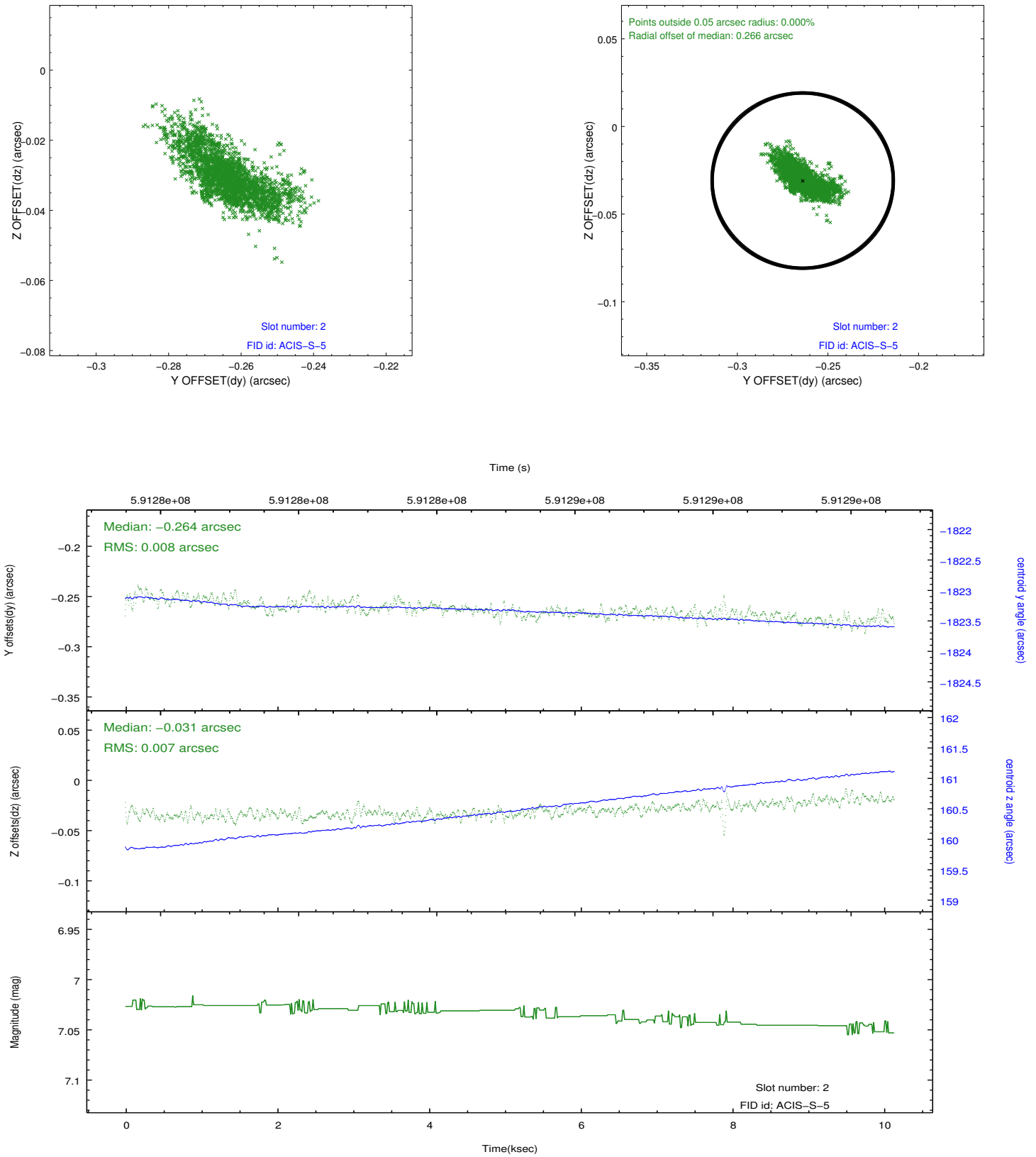
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2016.09.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.050159244895

A.2 Comments