

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 18125 - L2 Version 1
Chandra X-Ray Center

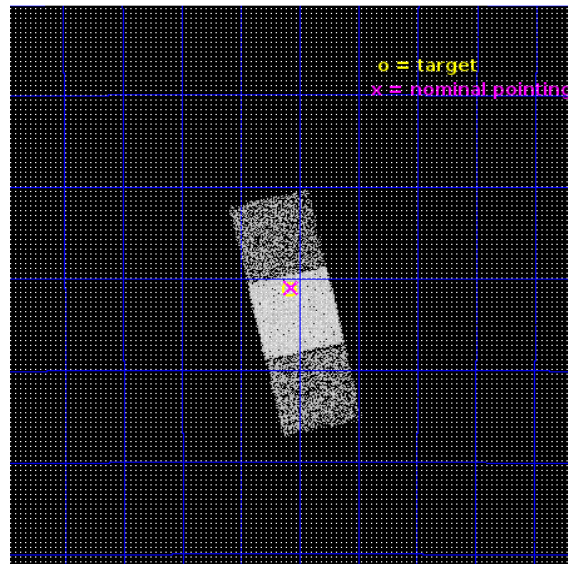
L2 Processing Date : Sep 8 2016

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1 Front

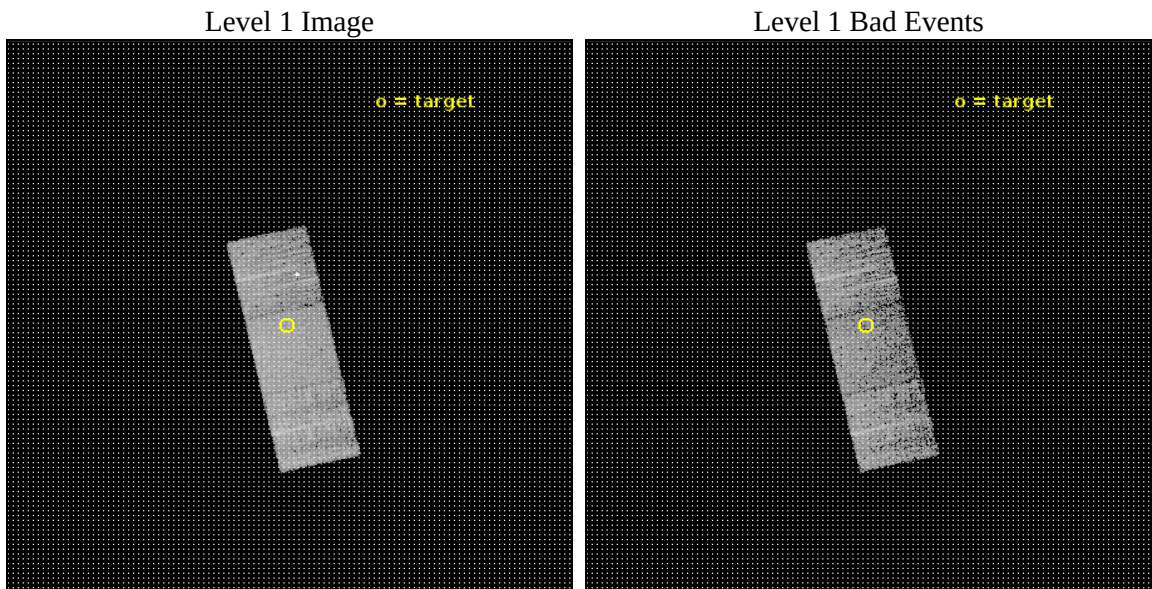
seq_num	703191	Sequence number
obs_id	18125	Observation id
title	X-RAYING FORNAX	Proposal title
observer	Elena Gallo	Principal investigator
object	fcc83	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	52.645833	Observer's specified target RA [deg]
dec_targ	-34.853944	Observer's specified target Dec [deg]
ra_nom	52.642346174133	Nominal RA [deg]
dec_nom	-34.850293591991	Nominal Dec [deg]
roll_nom	77.154635957911	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4913.5000379086	Sum of GTIs [s]
livetime	4849.3015426472	Livetime [s]
ontime6	4913.5000379086	Sum of GTIs [s]
ontime7	4913.5000379086	Sum of GTIs [s]
ontime8	4913.5000379086	Sum of GTIs [s]
l2events	23641	Number of level 2 events



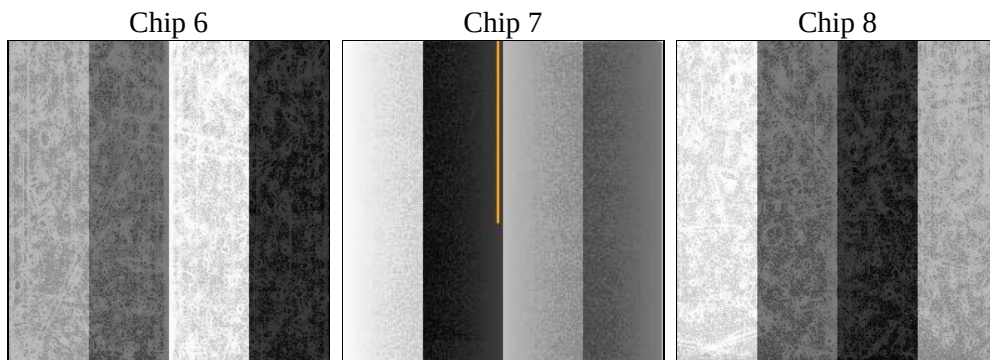
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	4800.000000	[s] Scheduled observation exposure time
ascdsver	10.5.1.1	Processing system revision	ontime	4913.5000379086	Sum of GTIs [s]
caldbver	4.7.2	 	ontime6	4913.5000379086	Sum of GTIs [s]
date	2016-09-08T15:34:20	Date and time of file creation	ontime7	4913.5000379086	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	4913.5000379086	Sum of GTIs [s]
			l1events	114905	Number of level 1 events

2.1.4 Events

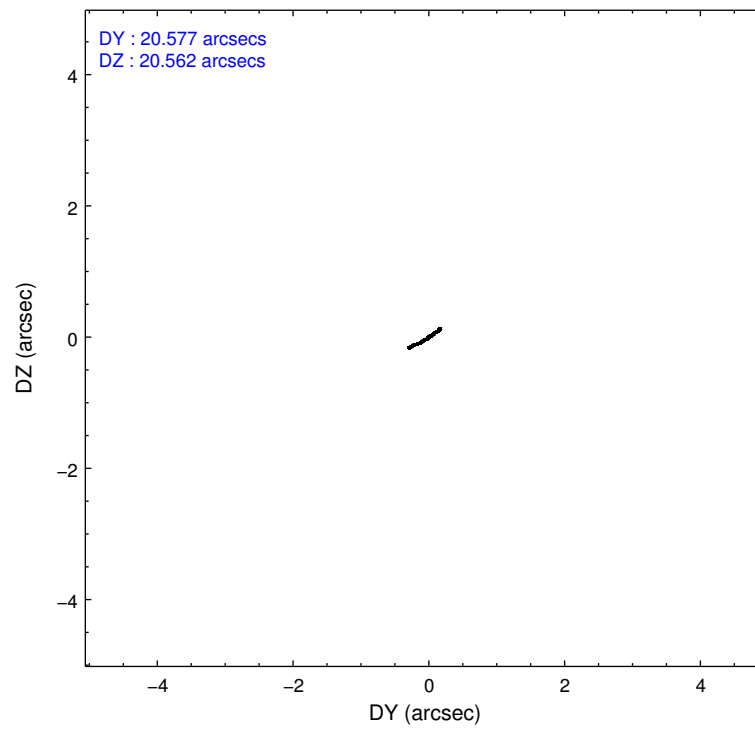
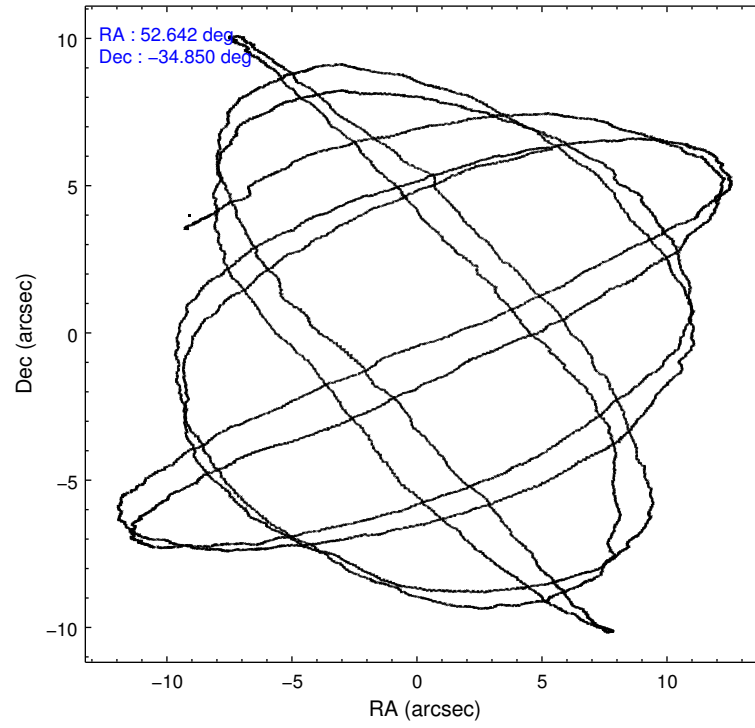
	ccd 6	ccd 7	ccd 8
level 1 events	33078	40623	41204
rejected events	28050	22948	29878
rejected %	84%	56%	72%

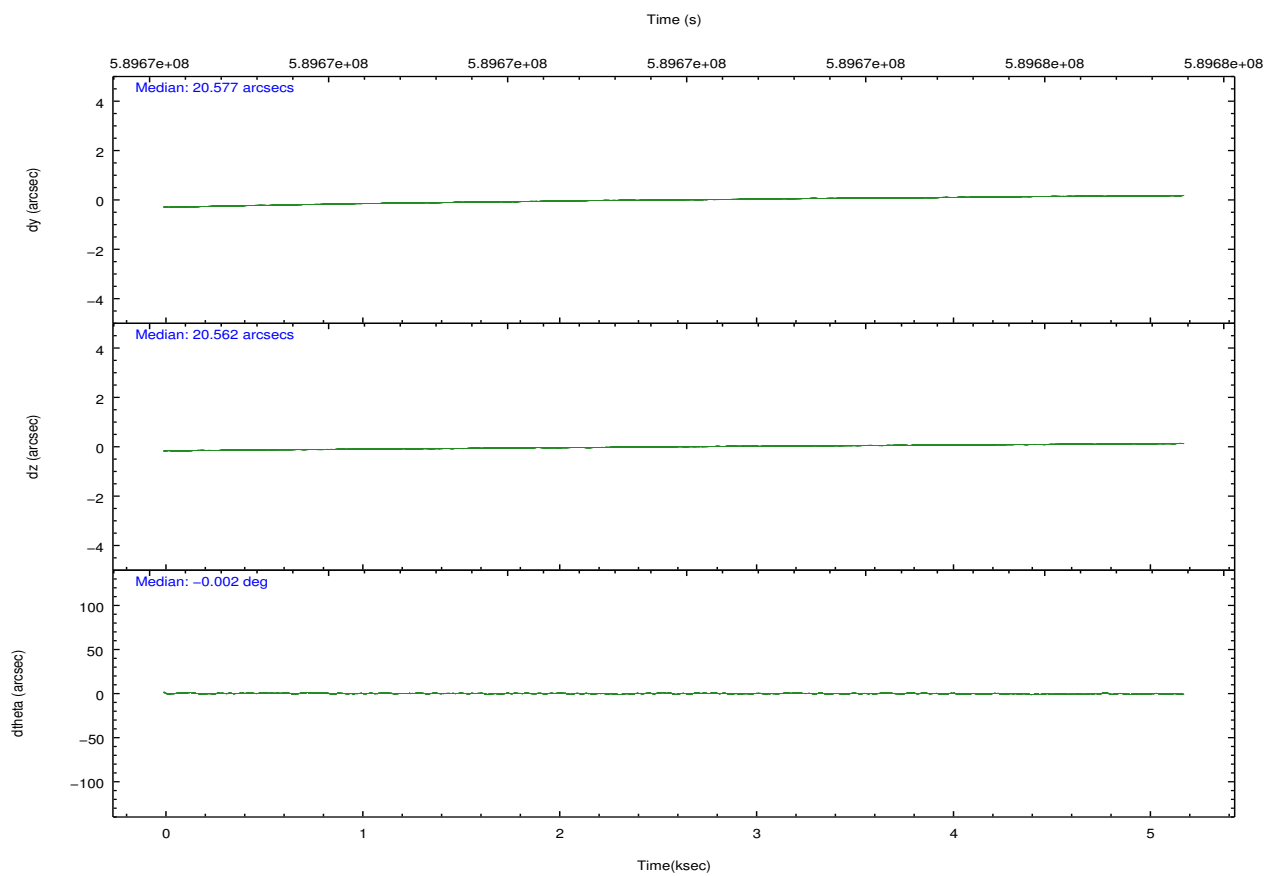
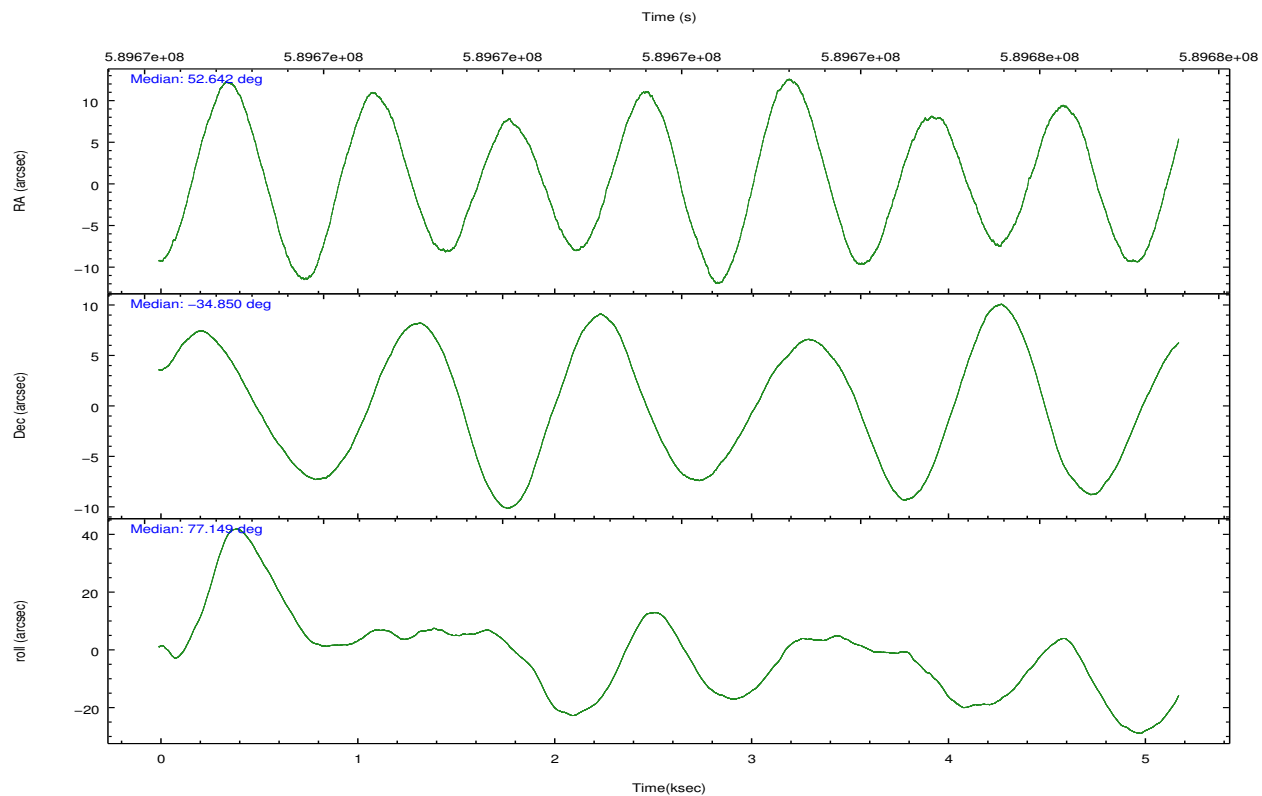
	ccd 6	ccd 7	ccd 8
grade 0 events	2709	1446	2996
	8%	3%	7%
grade 1 events	19	56	39
	0%	0%	0%
grade 2 events	826	3717	2828
	2%	9%	6%
grade 3 events	361	1447	1192
	1%	3%	2%
grade 4 events	350	1456	1044
	1%	3%	2%
grade 5 events	1518	4006	2311
	4%	9%	5%
grade 6 events	788	9624	3274
	2%	23%	7%
grade 7 events	26507	18871	27520
	80%	46%	66%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	52.652706	52.64234617413329	CCD I2 on	N	N
[deg] Pointing Dec	-34.876463	-34.85029359199096	CCD I3 on	N	N
[deg] Pointing Roll	77.003931	77.15463595791068	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O2	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	O1	Y
[s] Observation start time (MET)	589670705.184000	589669624.72706	CCD S5 on	N	N
Observation start date	2016-09-07T21:23:57	2016-09-07T21:07:04	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	589675505.184000	589676144.23994	On-chip summing requested	N	N
Observation end date	2016-09-07T22:43:57	2016-09-07T22:55:44	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



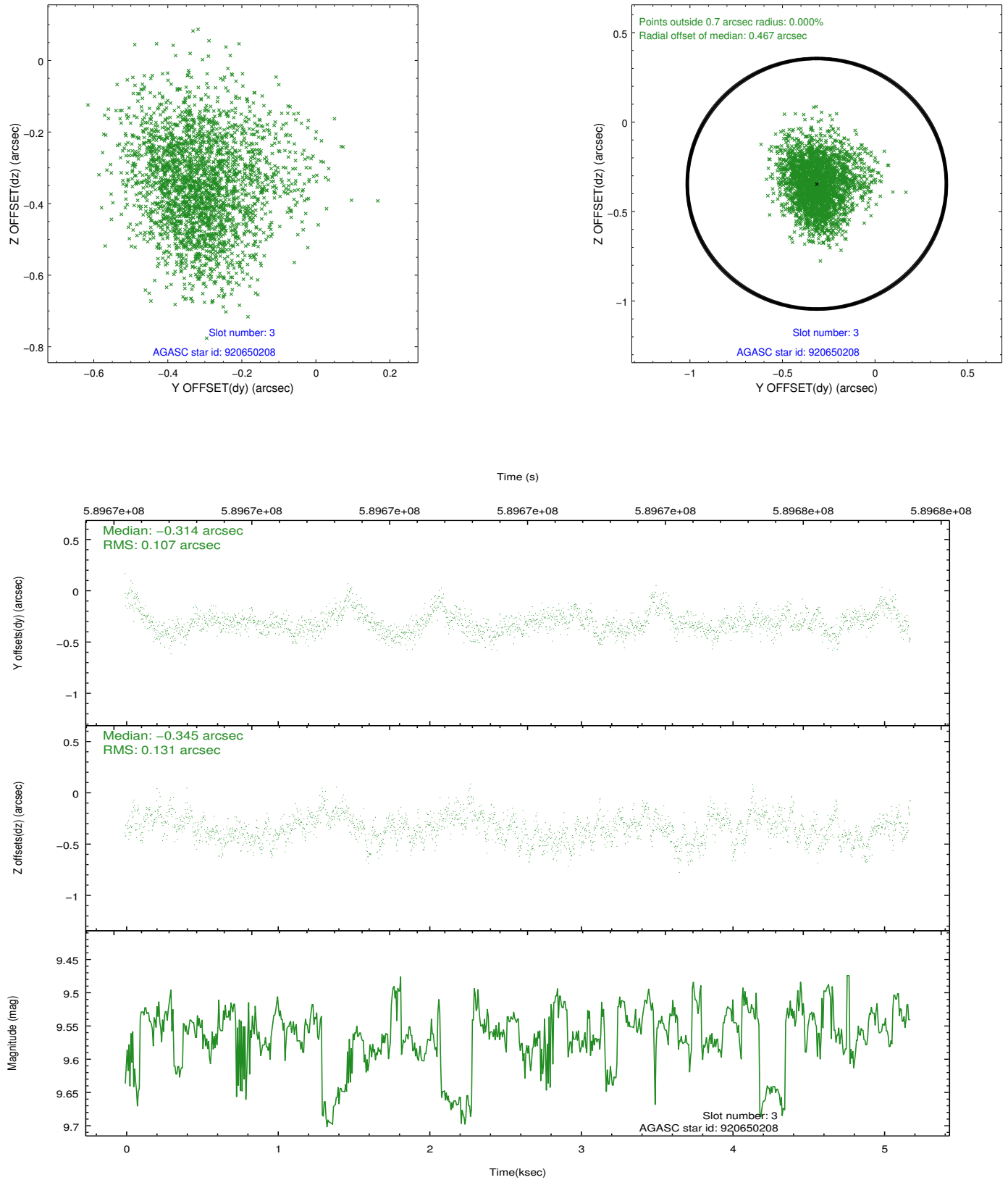


Slot Statistics

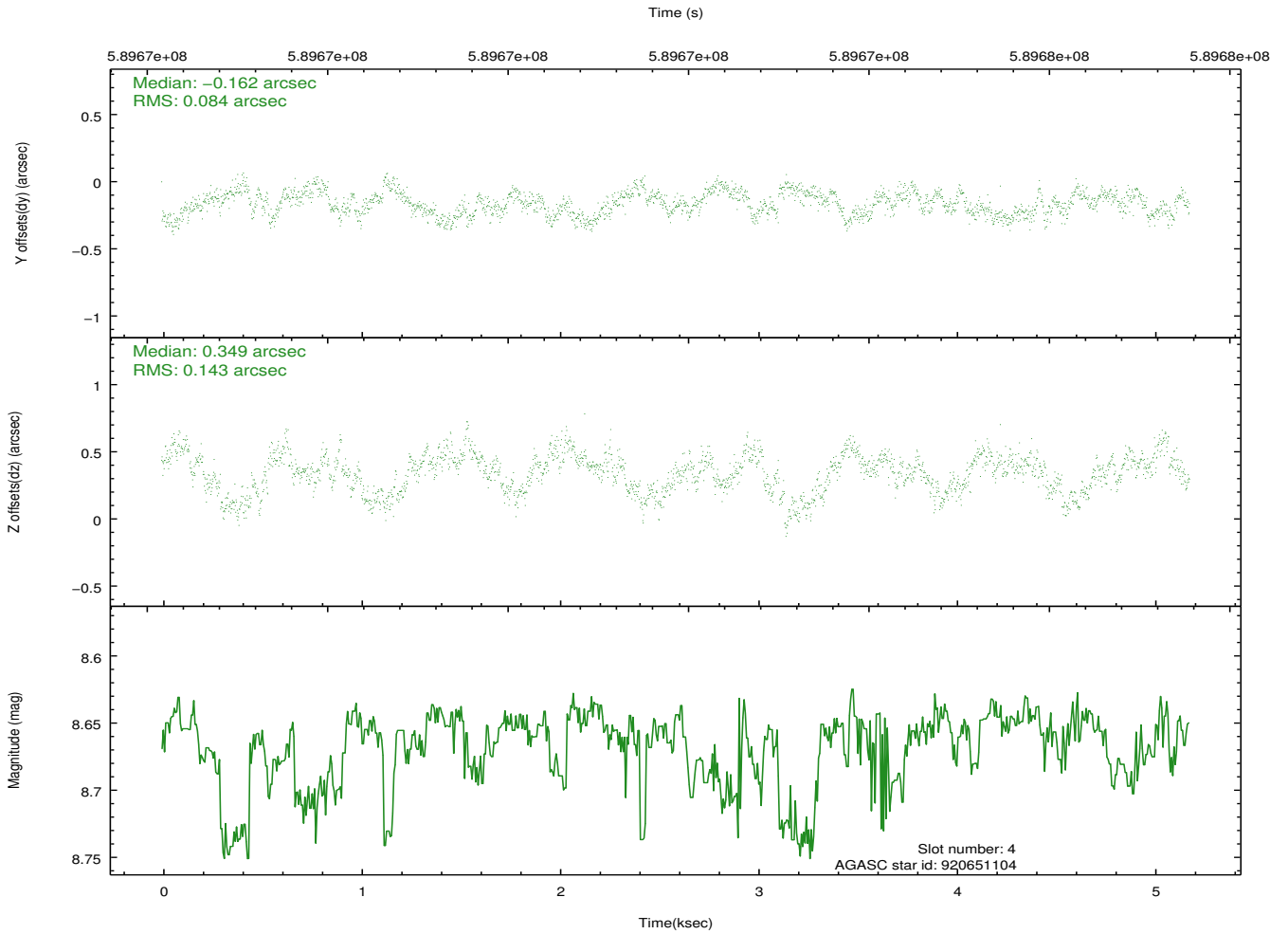
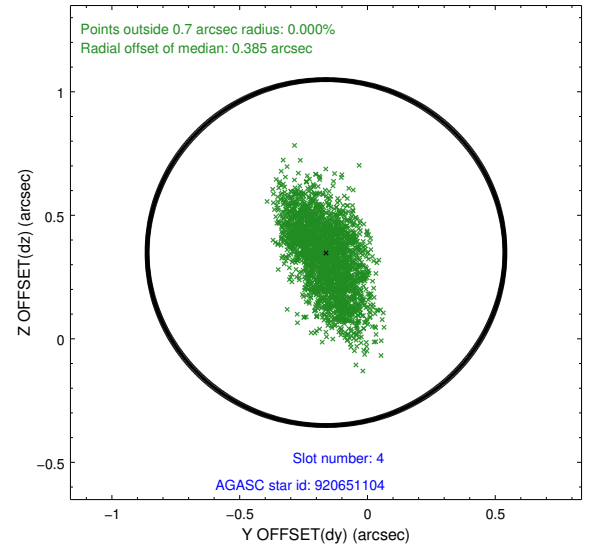
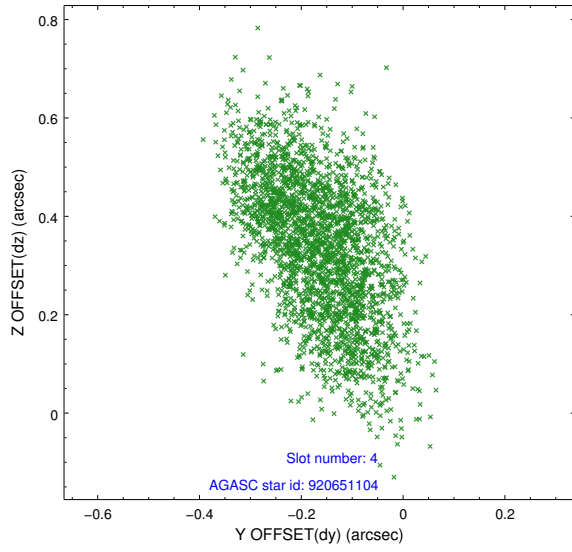
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.05	1264	-0.319	-0.214	0.008	0.014	0.000000	0.000000	-774.06	-1742.27
1	FID		ACIS-S-4	7.16	1264	0.339	0.187	0.009	0.016	0.000000	0.000000	2139.40	165.30
2	FID		ACIS-S-6	7.29	1264	-0.047	0.034	0.009	0.015	0.000000	0.000000	389.77	803.93
3	GUIDE	used	920650208	9.56	2518	-0.314	-0.345	0.179	0.297	52.281006	-34.610150	684.21	1288.09
4	GUIDE	used	920651104	8.66	2527	-0.162	0.349	0.171	0.294	53.495721	-34.796351	831.56	-2364.68
5	GUIDE	used	921046392	9.50	2523	0.049	-0.654	0.209	0.348	51.760698	-35.211467	-1776.35	2281.00
6	GUIDE	used	921047688	10.07	2526	0.271	0.008	0.327	0.512	52.480559	-35.322194	-1678.20	132.25
7	GUIDE	used	921047440	9.97	2519	0.151	0.633	0.359	0.549	53.289207	-35.625675	-2216.35	-2423.38

2.4 Star Slots

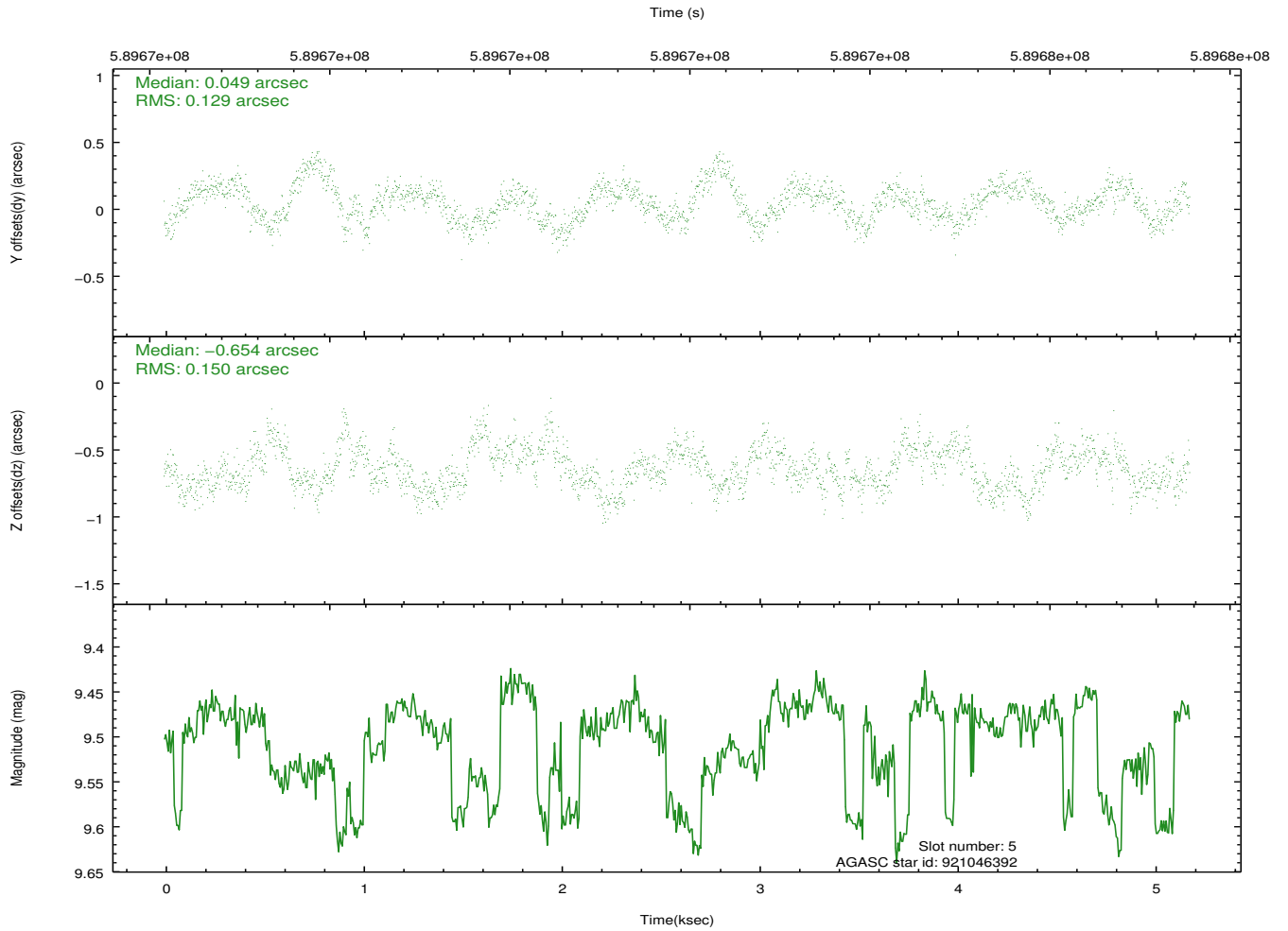
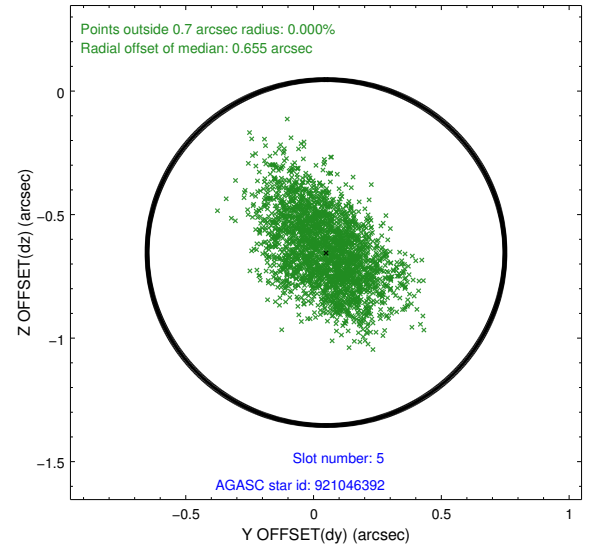
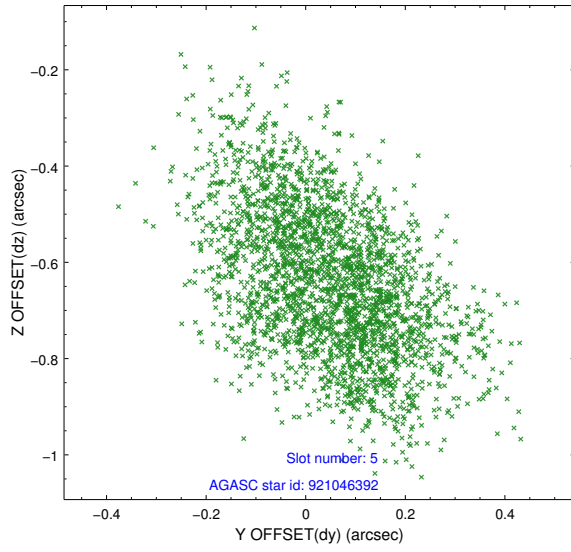
2.4.1 Slot 3



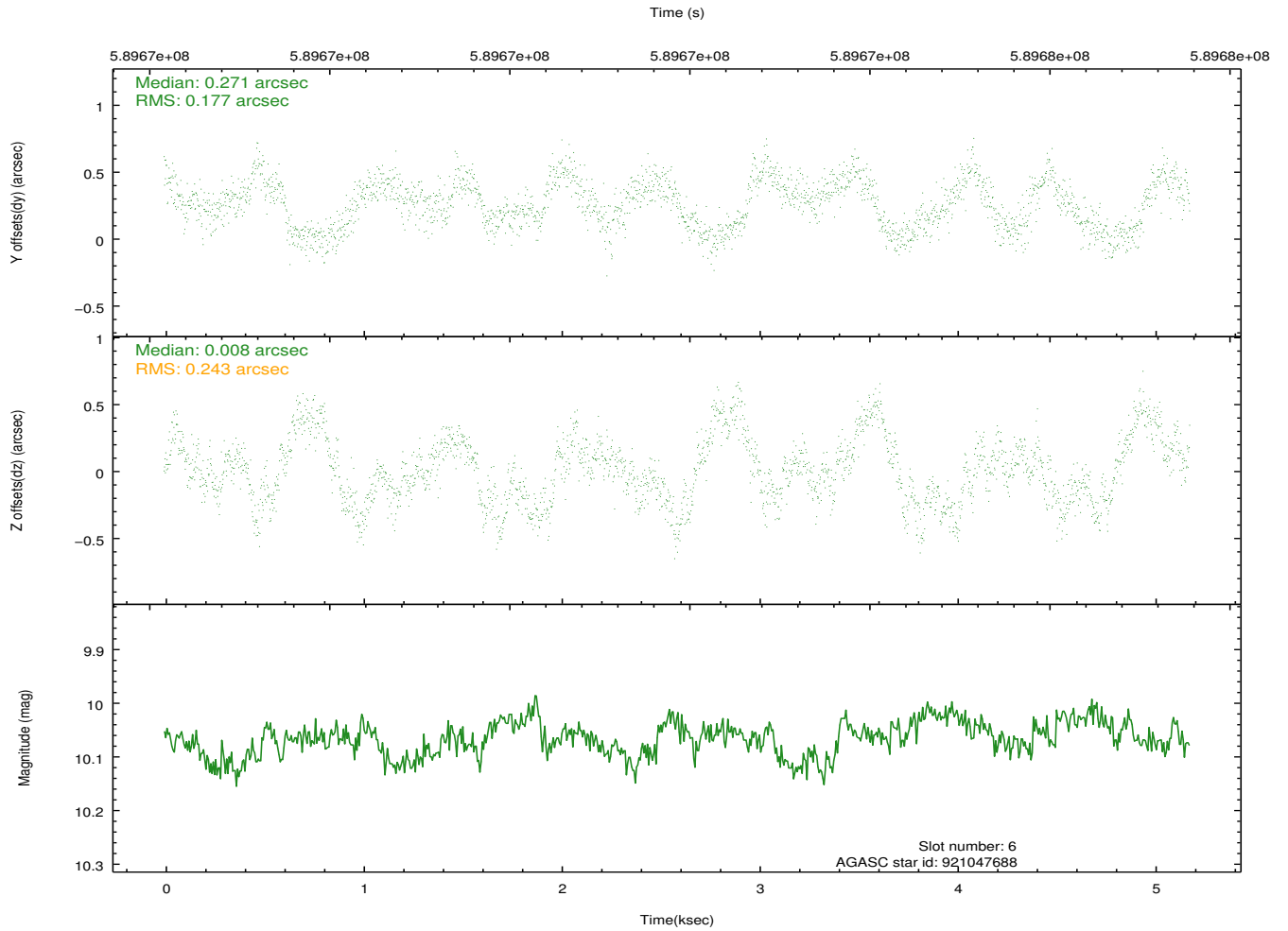
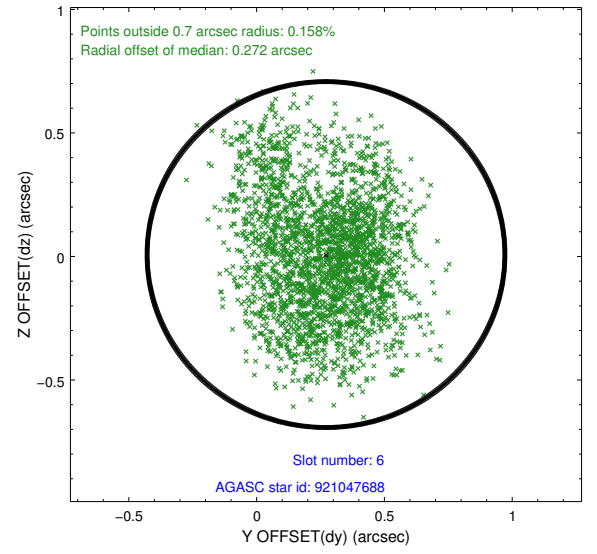
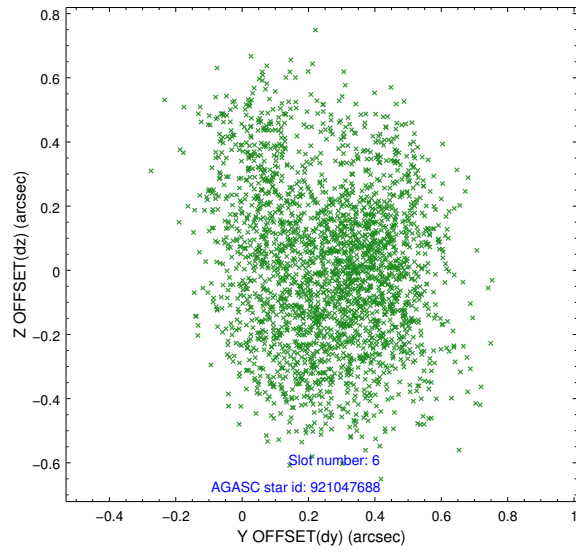
2.4.2 Slot 4



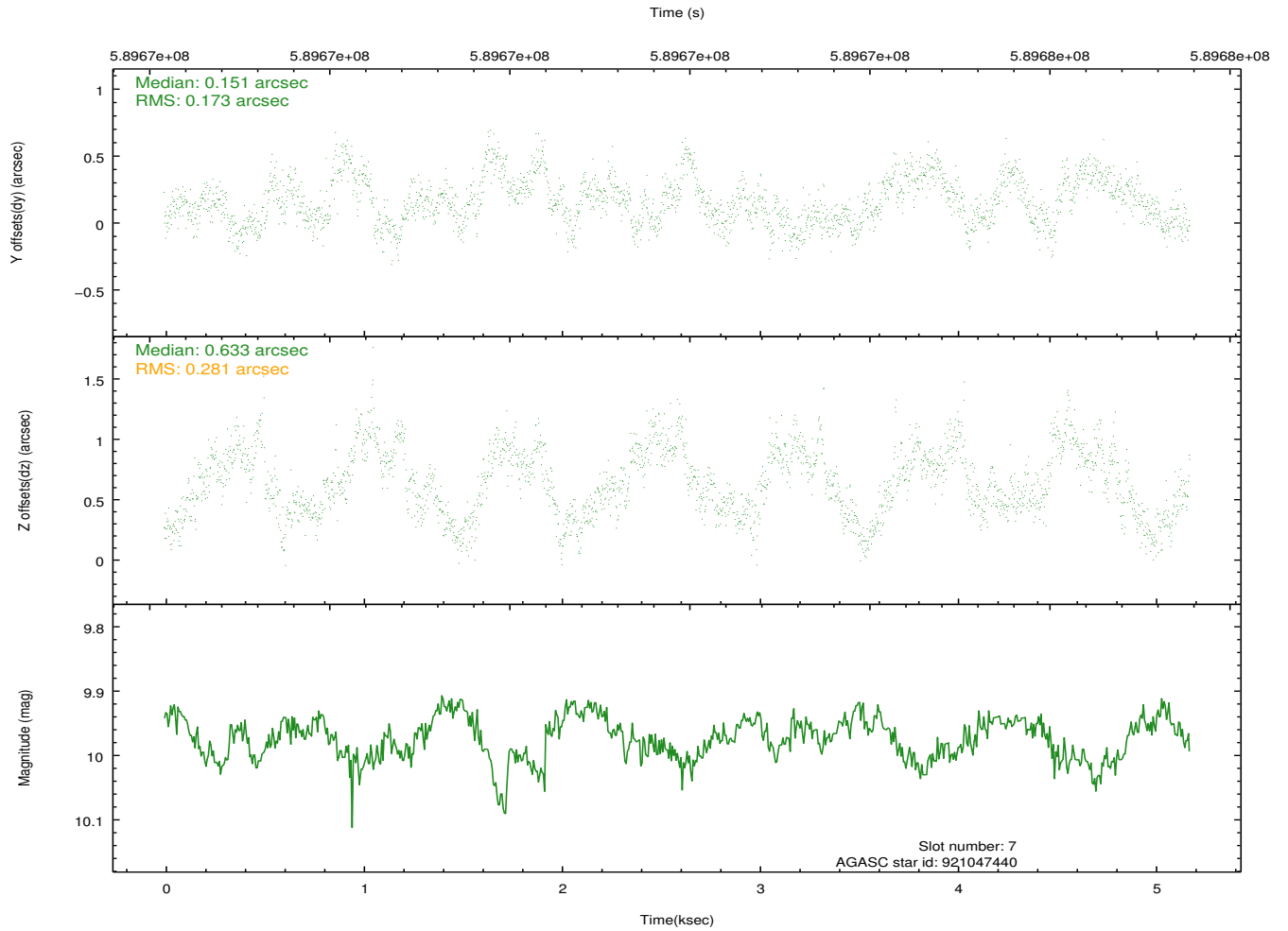
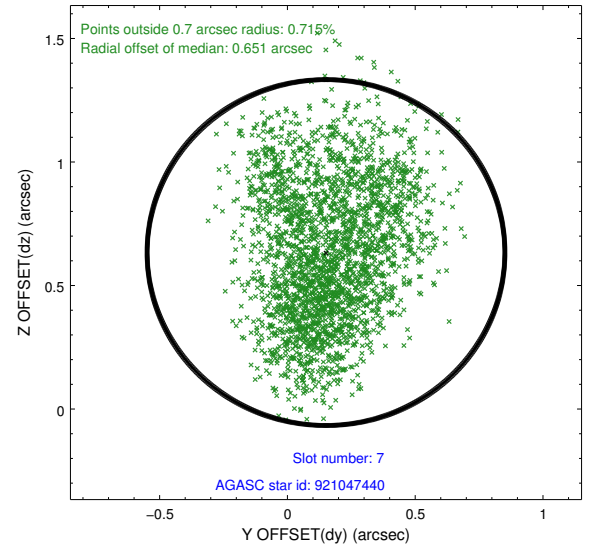
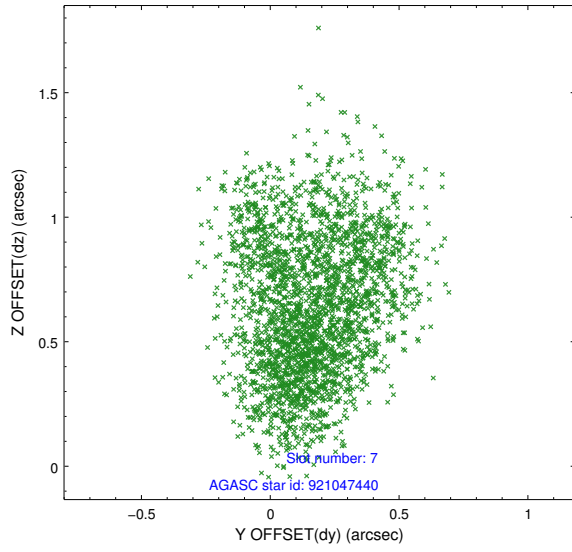
2.4.3 Slot 5



2.4.4 Slot 6

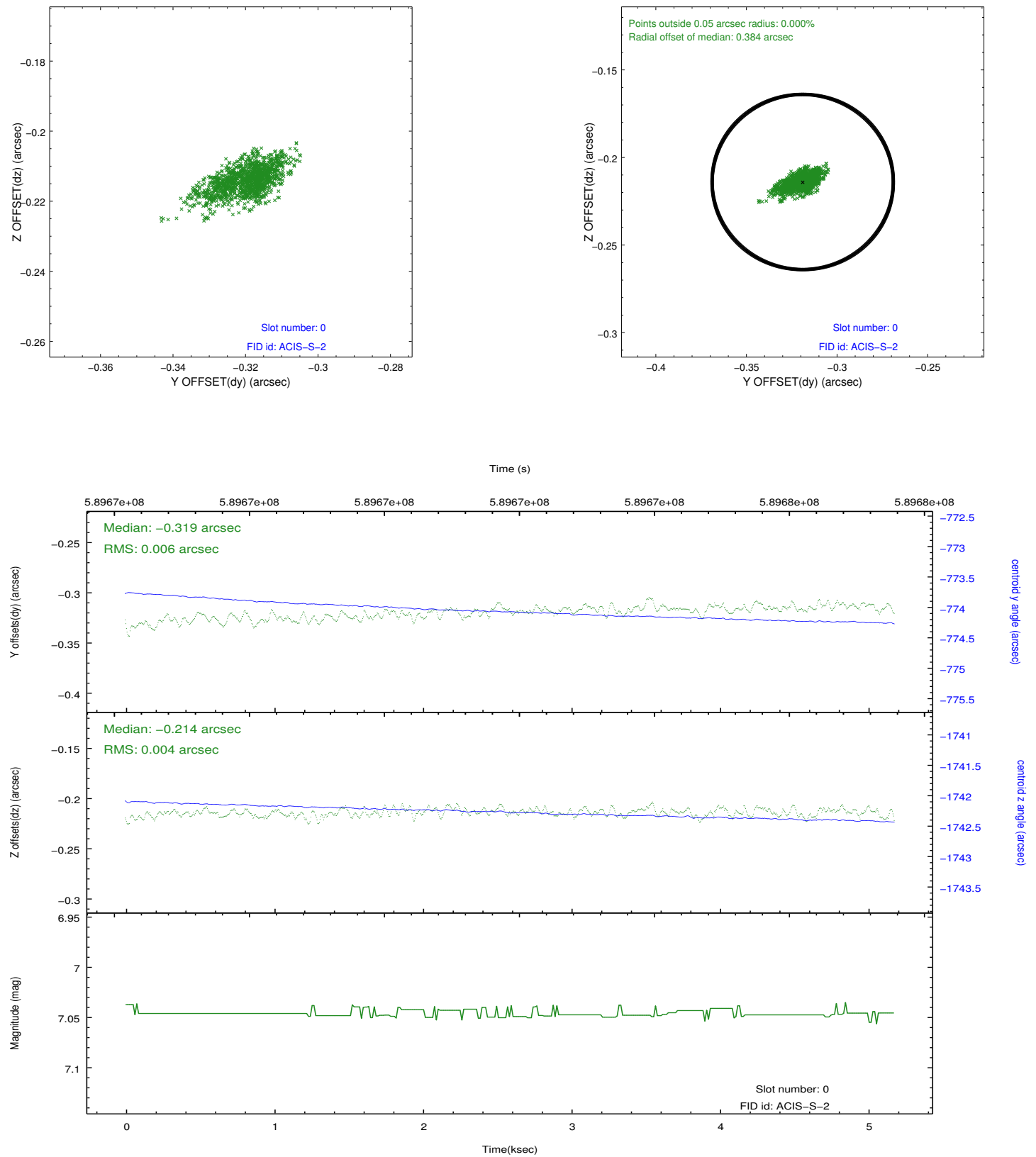


2.4.5 Slot 7

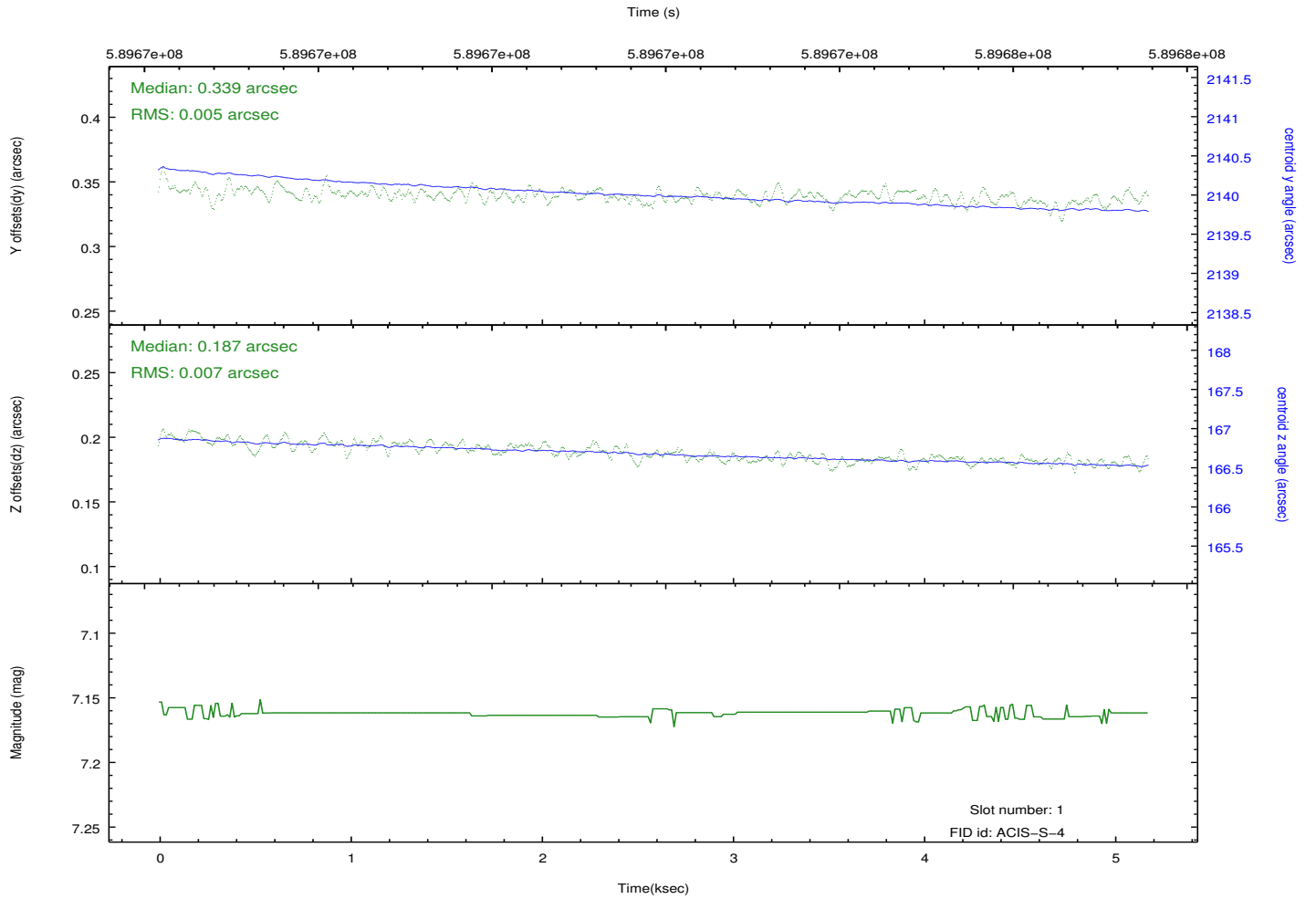
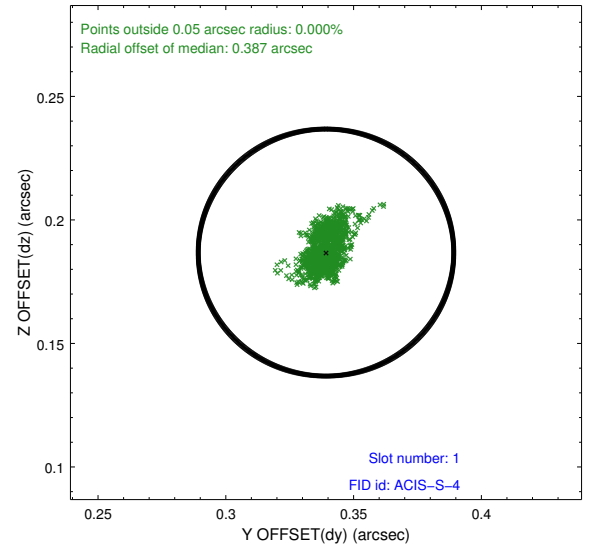
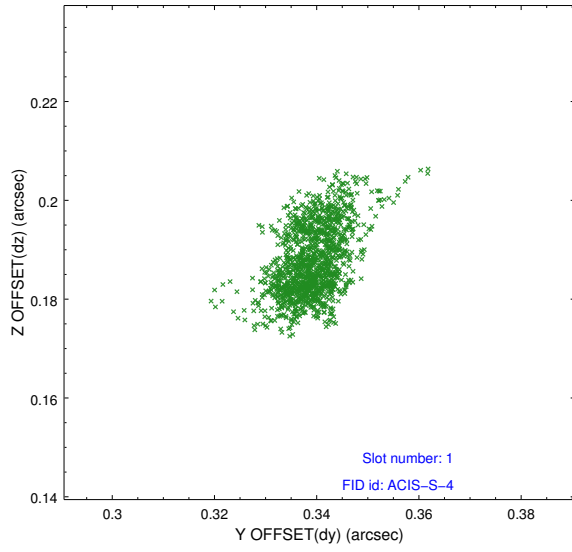


2.5 FID Slots

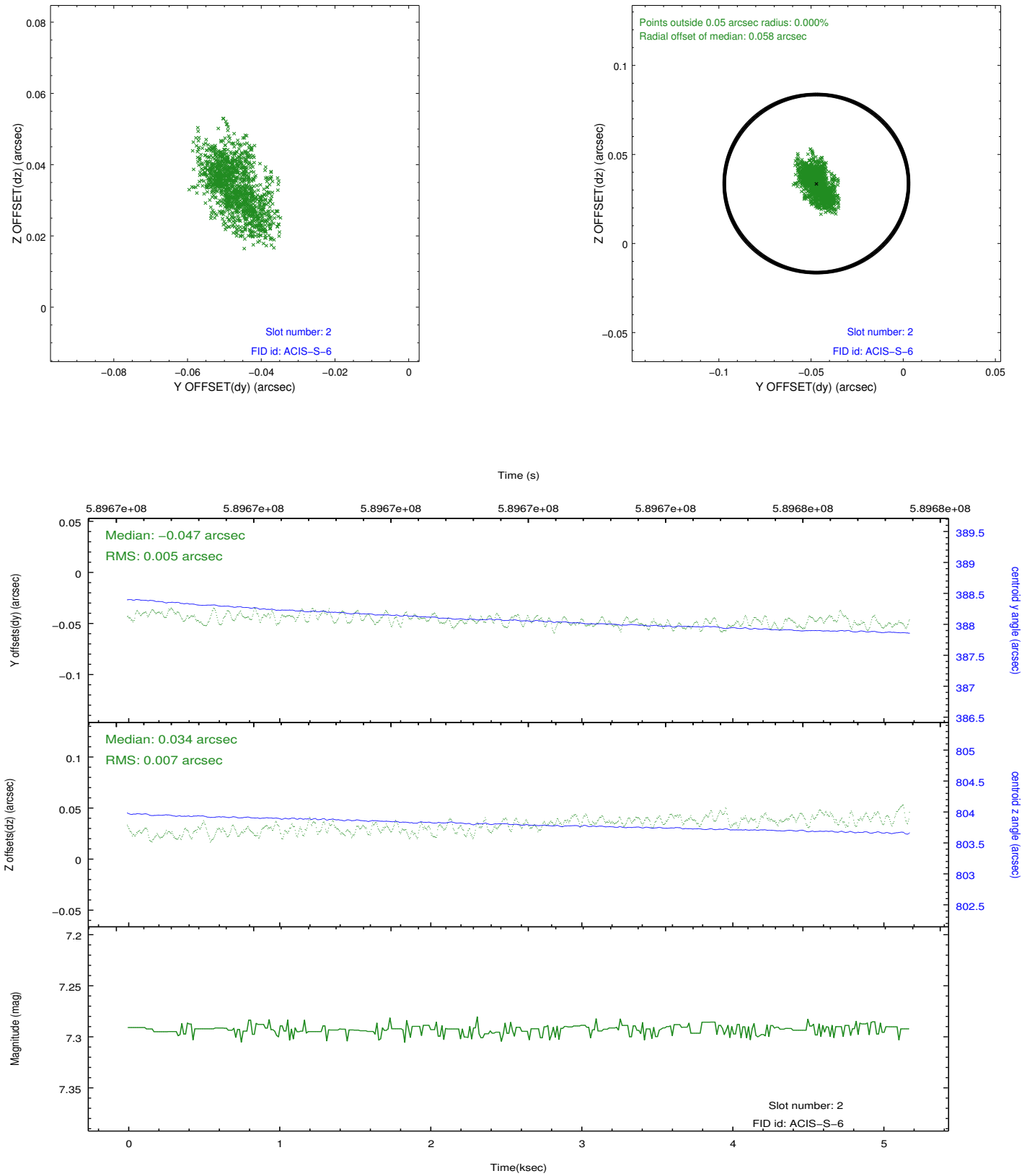
2.5.1 Slot 0



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)	2016.09.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.9135000379086

A.2 Comments