

V&V Reference Report

L2 ASCDS Version : 10.5.2

Observation 19483 - L2 Version 1
Chandra X-Ray Center

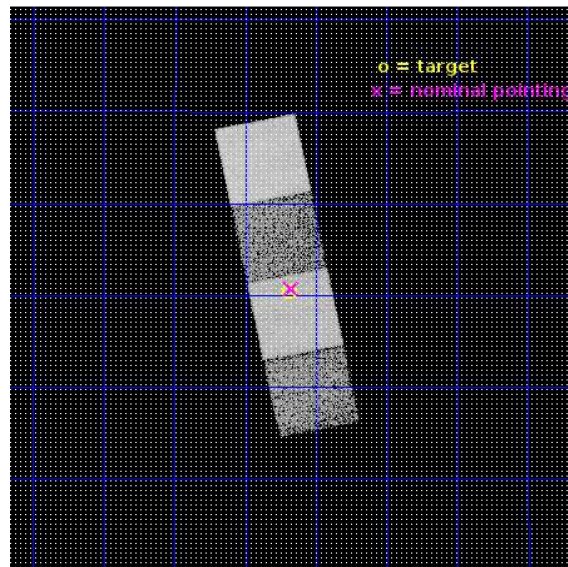
L2 Processing Date : Feb 10 2017

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1 Front

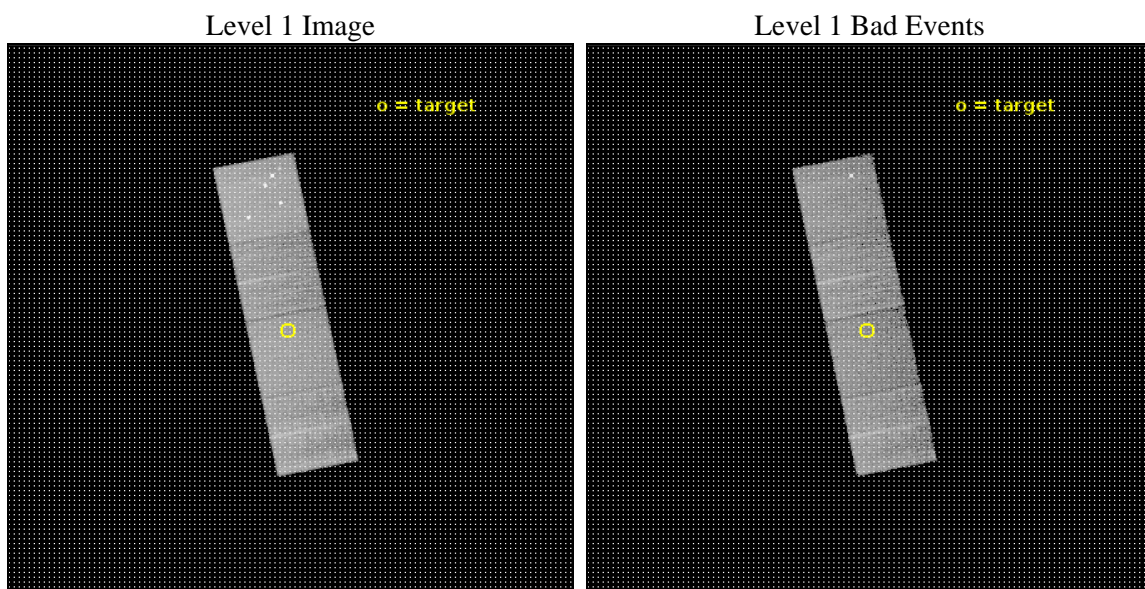
seq_num	703331	Sequence number
obs_id	19483	Observation id
title	UNDERSTANDING THE ROLE OF AGN IN TRANSITIONING GALAXI	Proposal tit
observer	Dr. Lauranne Lanz	Principal investigator
object	spog5260	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	178.422083	Observer's specified target RA [deg]
dec_targ	9.507111	Observer's specified target Dec [deg]
ra_nom	178.41855415858	Nominal RA [deg]
dec_nom	9.5119819437255	Nominal Dec [deg]
roll_nom	78.530315948436	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10059.500077486	Sum of GTIs [s]
livetime	9928.0653032775	Livetime [s]
ontime5	10059.500077486	Sum of GTIs [s]
ontime6	10059.500077486	Sum of GTIs [s]
ontime7	10059.500077486	Sum of GTIs [s]
ontime8	10056.358926773	Sum of GTIs [s]
l2events	105071	Number of level 2 events



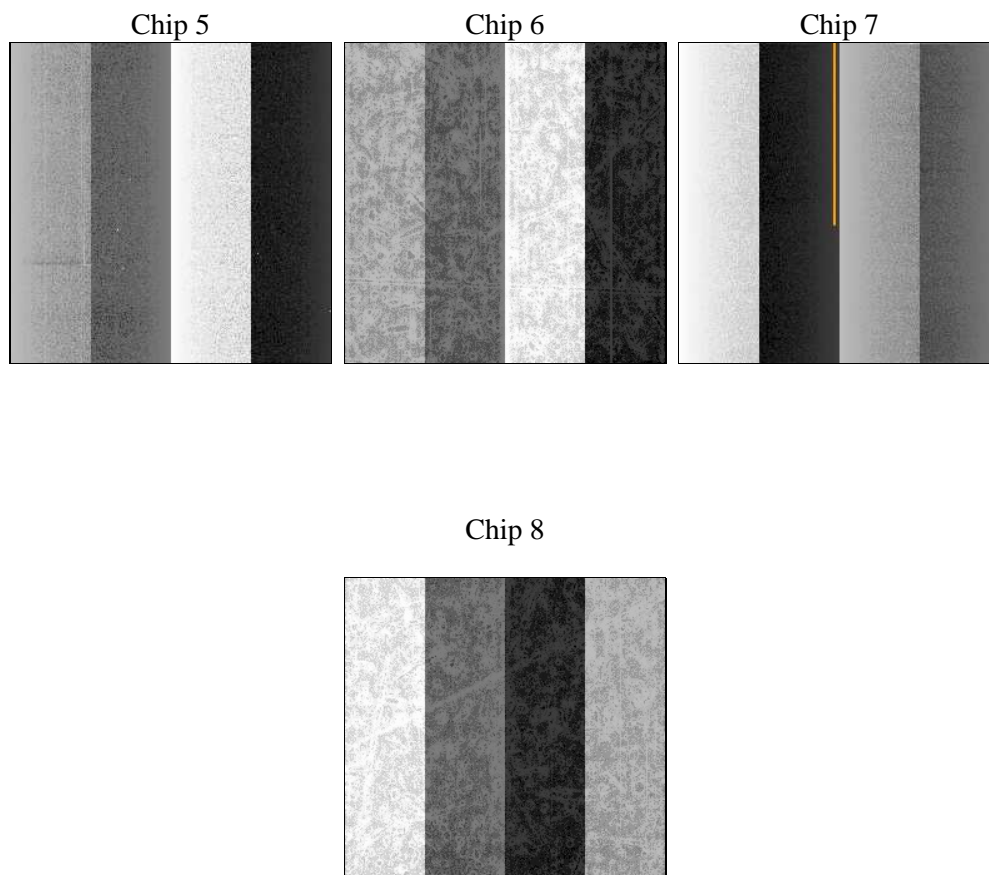
2 OBI

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	10.5.2	Processing system revision	ontime	10059.500077486	Sum of GTIs [s]
caldbver	4.7.3	 	ontime5	10059.500077486	Sum of GTIs [s]
date	2017-02-11T00:59:50	Date and time of file creation	ontime6	10059.500077486	Sum of GTIs [s]
revision	1	Processing version of data	ontime7	10059.500077486	Sum of GTIs [s]
			ontime8	10056.358926773	Sum of GTIs [s]
			l1events	389126	Number of level 1 events

2.1.4 Events

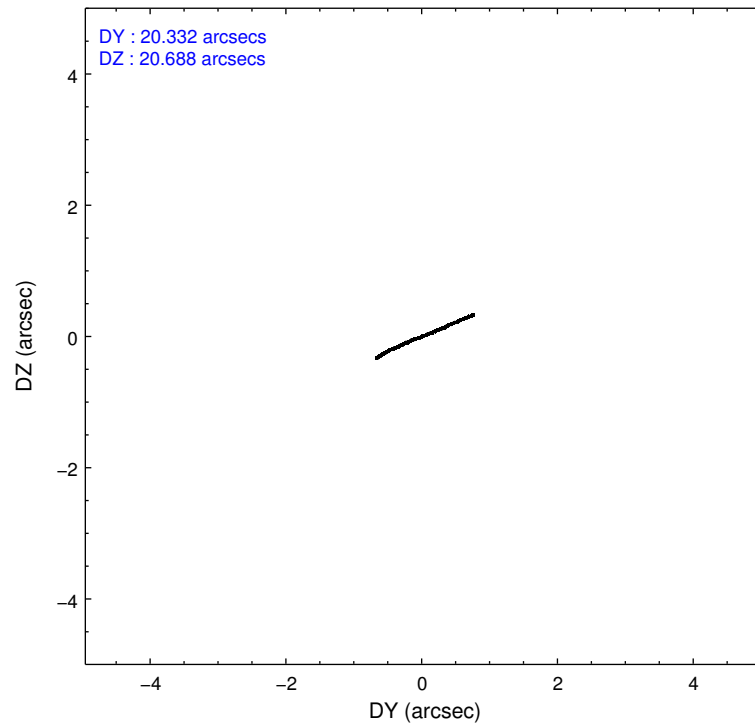
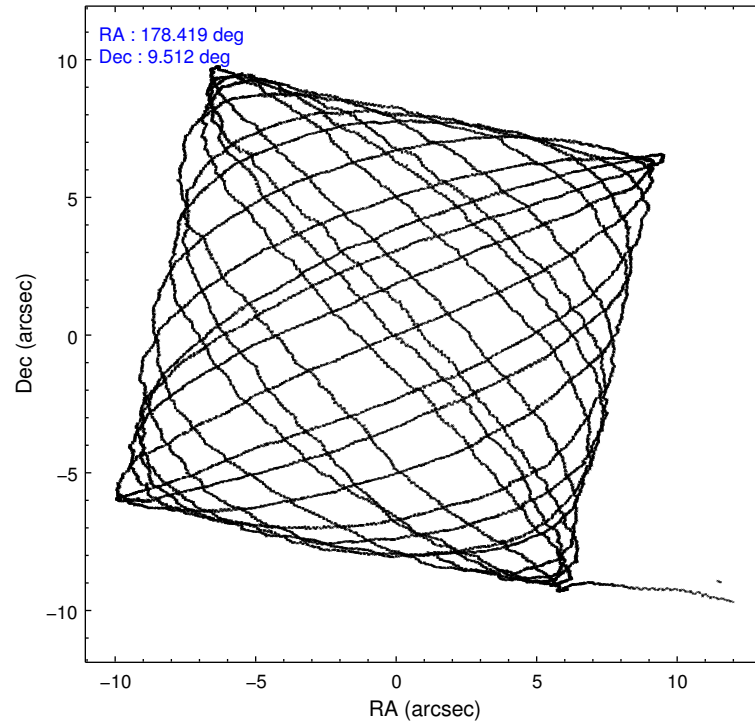
	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	125553	75964	92141	95468
rejected events	61314	67851	52698	71187
rejected %	48%	89%	57%	74%

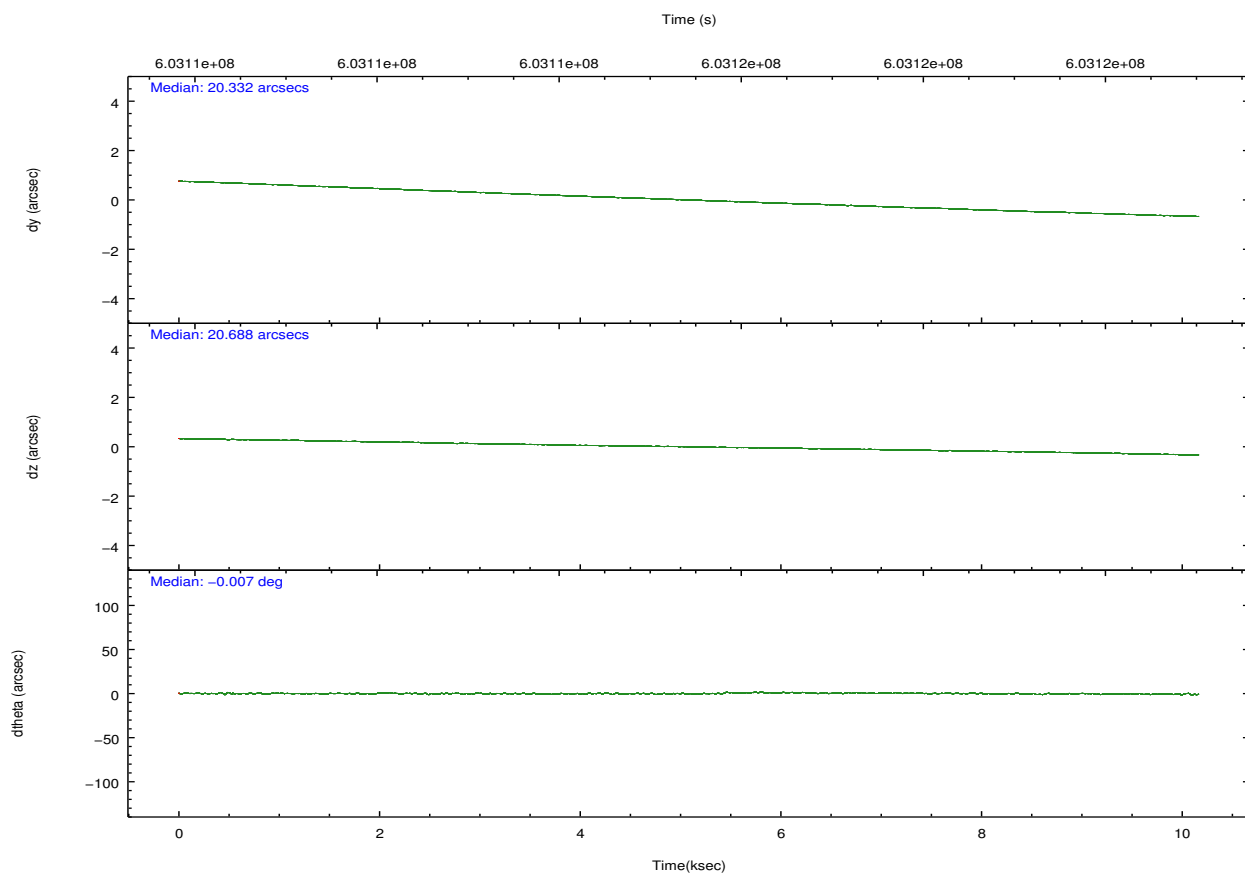
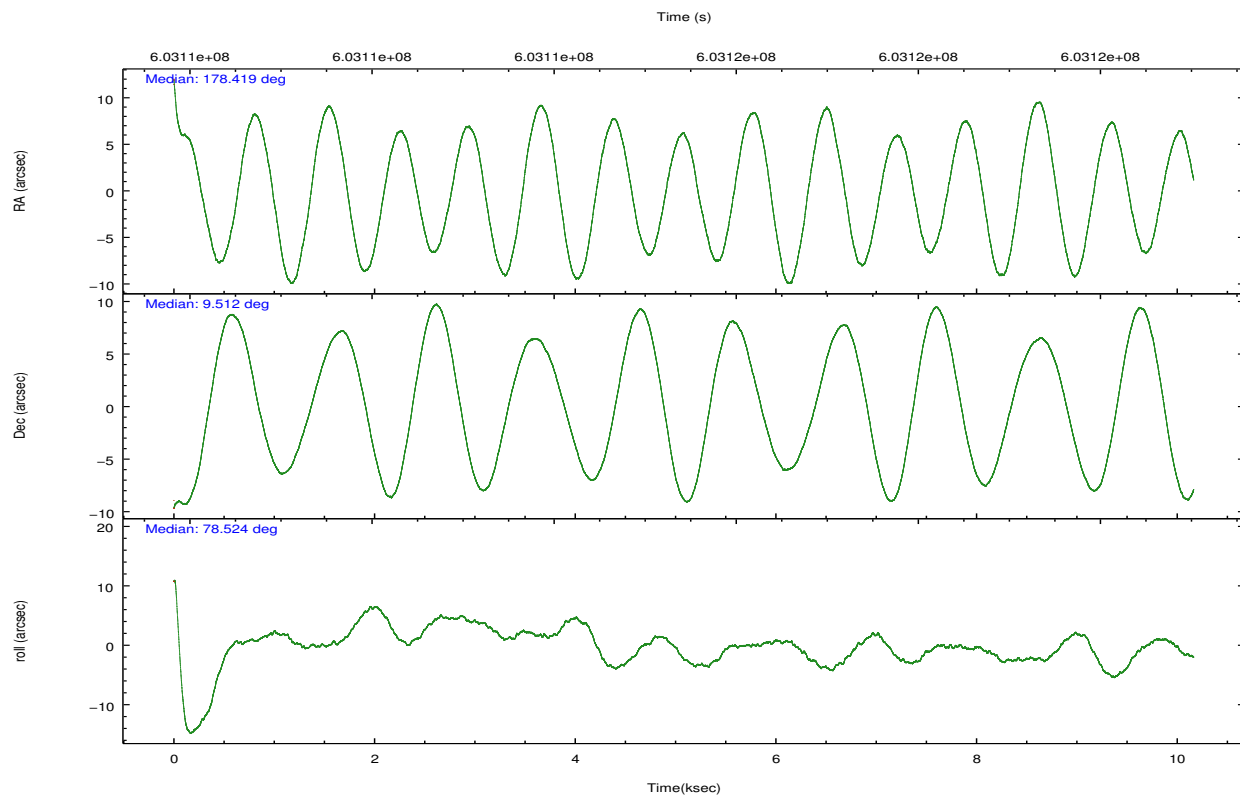
	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	12495	2611	3070	6674
	9%	3%	3%	6%
grade 1 events	309	33	115	66
	0%	0%	0%	0%
grade 2 events	17985	2007	8419	6183
	14%	2%	9%	6%
grade 3 events	1651	720	2859	2483
	1%	0%	3%	2%
grade 4 events	1516	729	2941	2251
	1%	0%	3%	2%
grade 5 events	7472	3294	8660	5029
	5%	4%	9%	5%
grade 6 events	30612	2049	22170	6698
	24%	2%	24%	7%
grade 7 events	53513	64521	43907	66084
	42%	84%	47%	69%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-5678	ACIS-5678	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	178.427704	178.4185541585834	CCD I2 on	O2	N
[deg] Pointing Dec	9.486128	9.511981943725479	CCD I3 on	O1	N
[deg] Pointing Roll	78.372141	78.53031594843642	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	603110505.184000	603109302.50314	CCD S5 on	N	N
Observation start date	2017-02-10T10:40:36	2017-02-10T10:21:42	Number of optional ACIS chips dropped	2	2
[s] Observation end time (MET)	603120505.184000	603121368.80384	On-chip summing requested	N	N
Observation end date	2017-02-10T13:27:16	2017-02-10T13:42:48	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



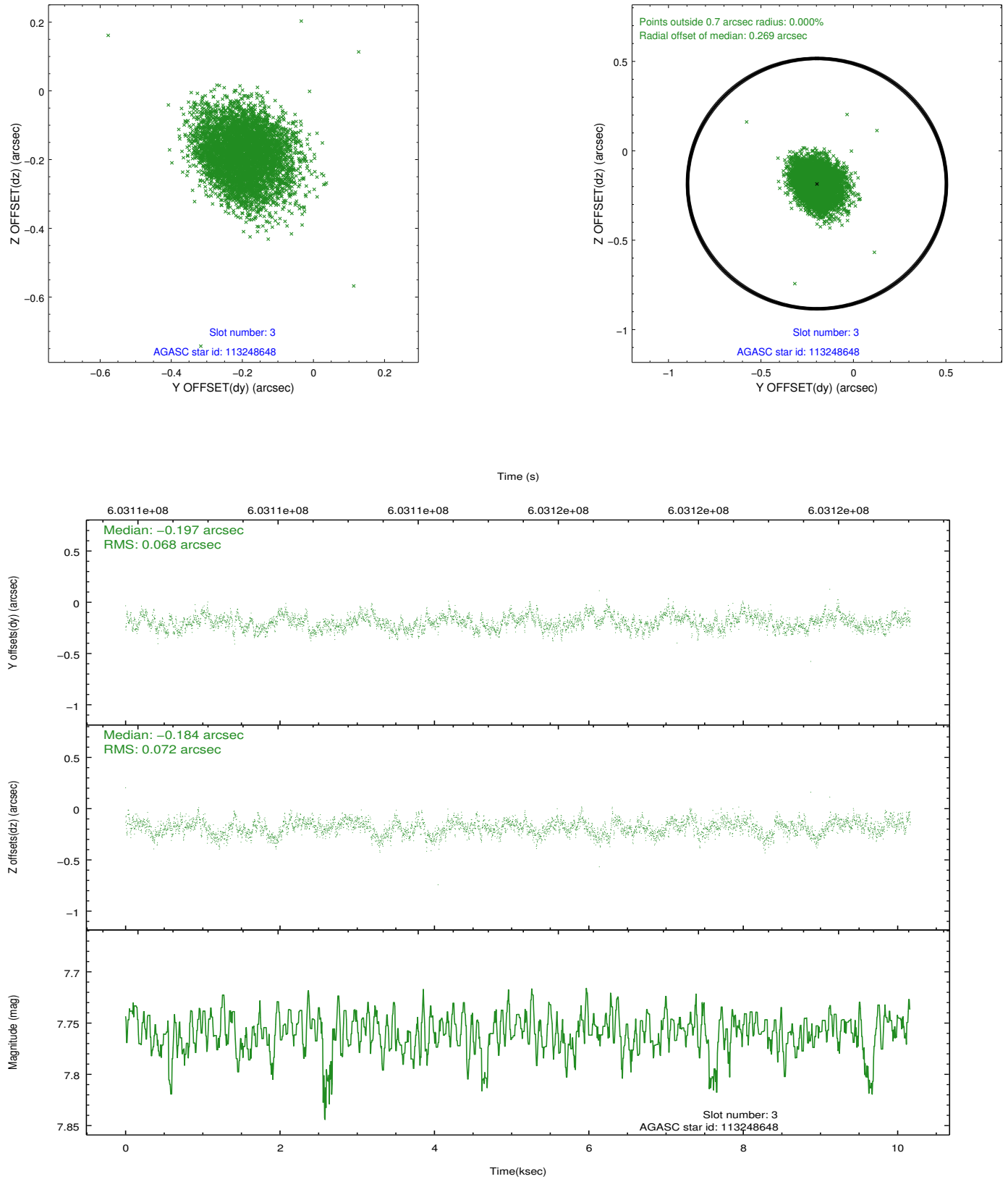


Slot Statistics

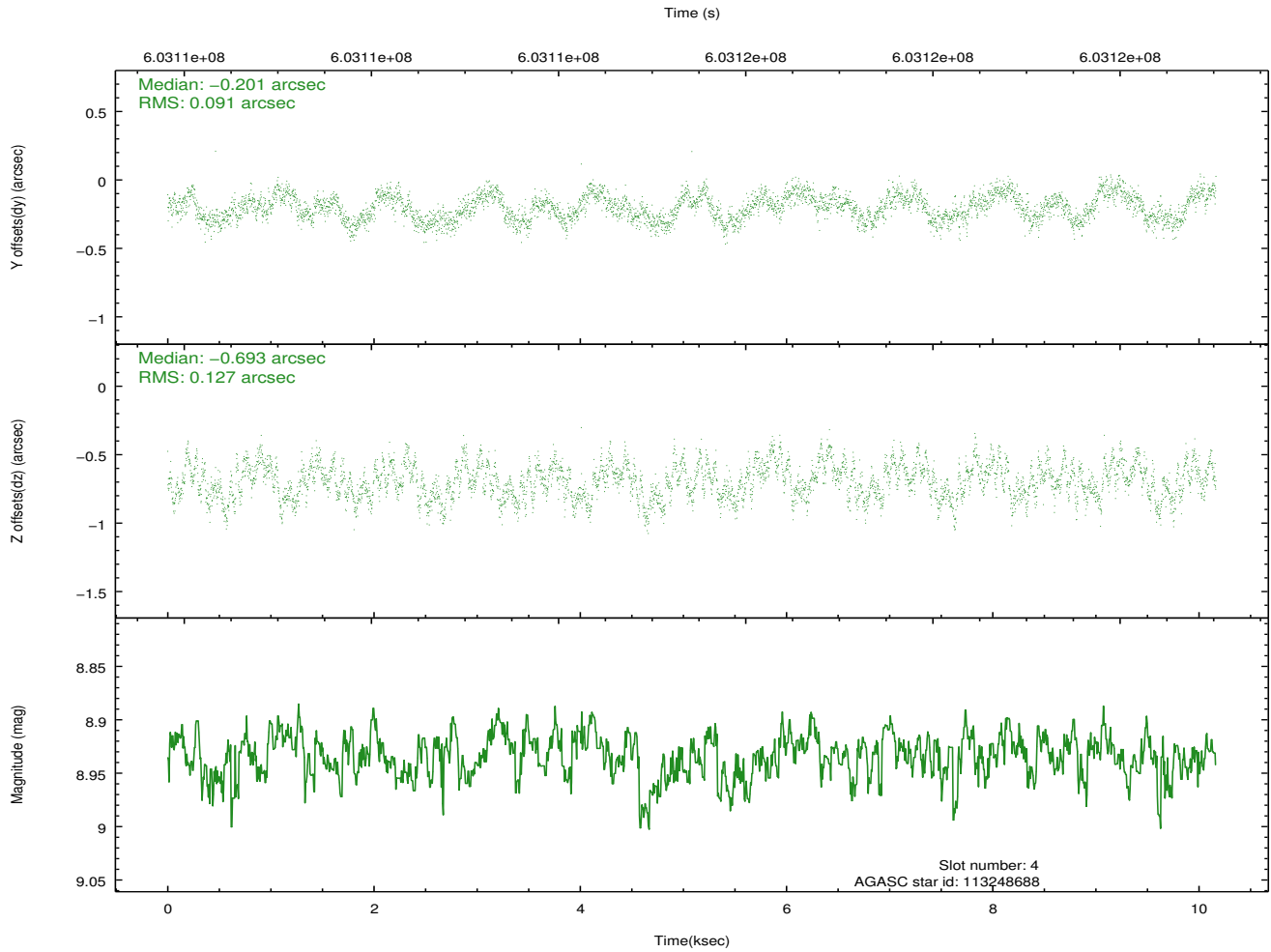
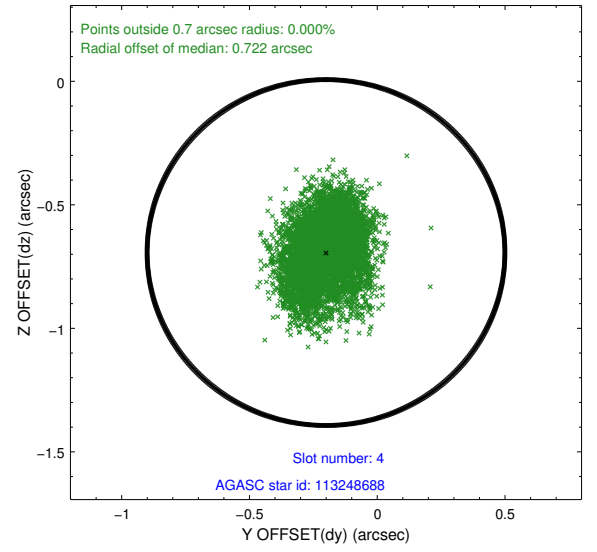
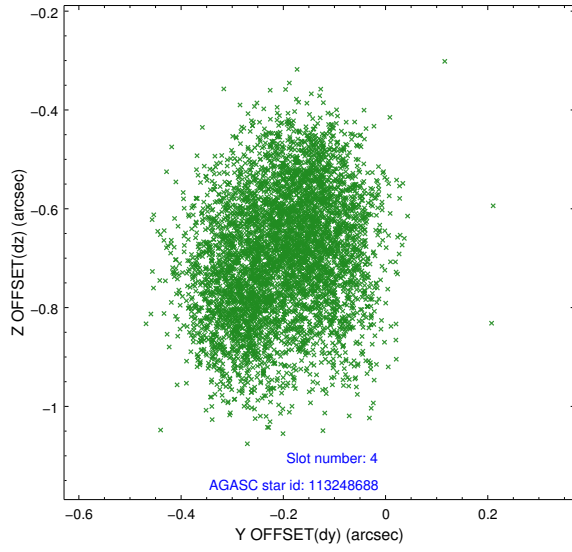
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.19	2480	0.005	-0.112	0.009	0.015	0.000000	0.000000	922.62	-1737.89
1	FID		ACIS-S-4	7.22	2480	0.405	0.081	0.009	0.015	0.000000	0.000000	2140.66	165.95
2	FID		ACIS-S-5	7.21	2480	-0.434	0.045	0.013	0.023	0.000000	0.000000	-1826.08	159.99
3	GUIDE	used	113248648	7.76	4958	-0.197	-0.184	0.105	0.166	178.533159	9.892956	1509.10	-70.11
4	GUIDE	used	113248688	8.93	4952	-0.201	-0.693	0.169	0.262	177.965251	9.977579	1403.94	1962.93
5	GUIDE	used	113249320	9.24	4955	0.430	0.378	0.249	0.377	178.542731	8.903686	-1969.87	-821.37
6	GUIDE	used	113380528	8.71	4953	-0.225	0.786	0.146	0.258	179.066215	9.911934	1960.02	-1907.10
7	GUIDE	used	113247880	8.99	4956	0.174	-0.291	0.130	0.206	178.007523	9.206049	-1287.48	1259.77

2.4 Star Slots

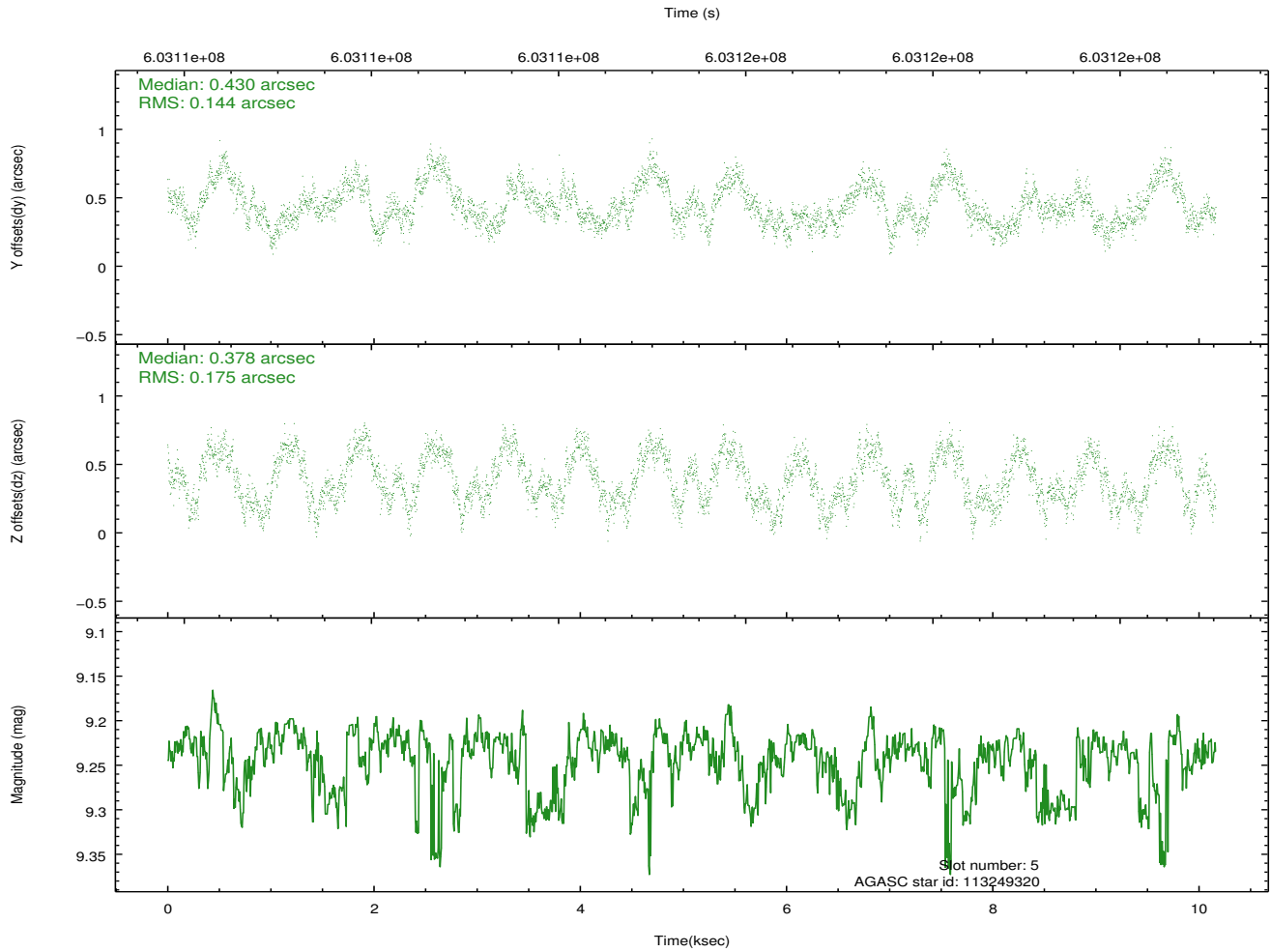
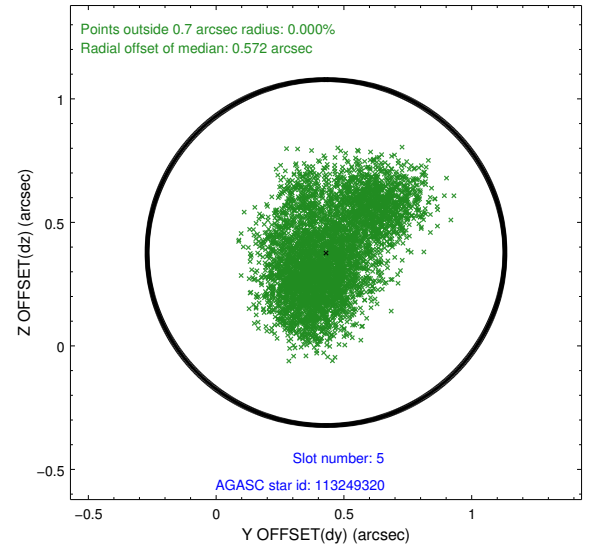
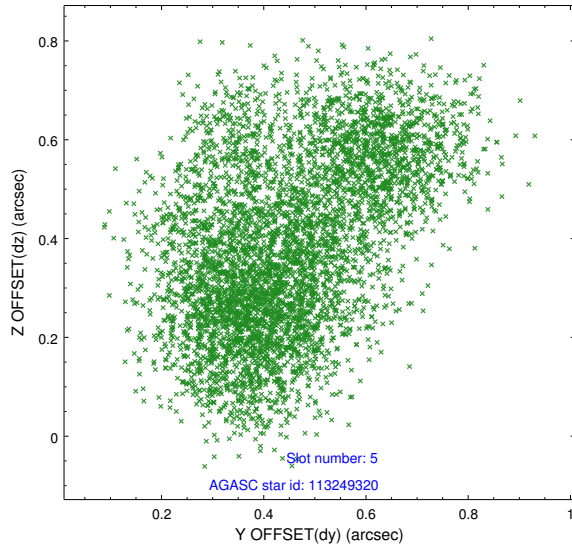
2.4.1 Slot 3



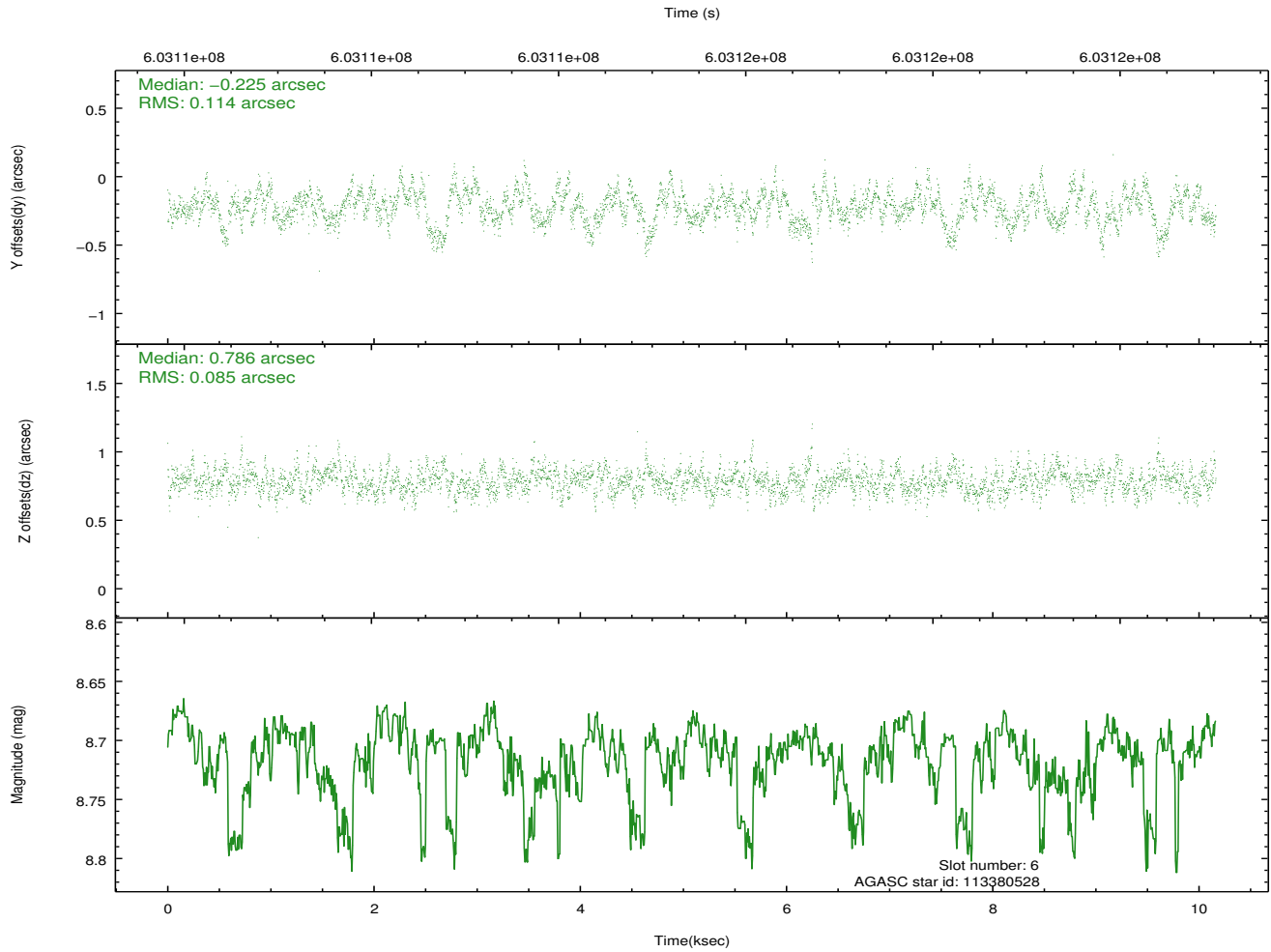
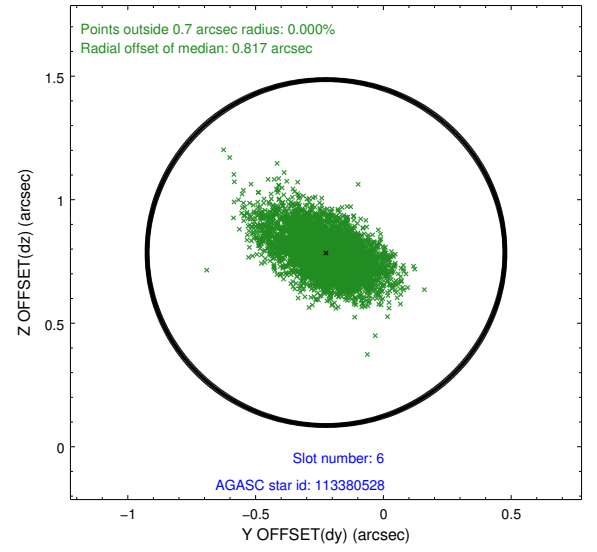
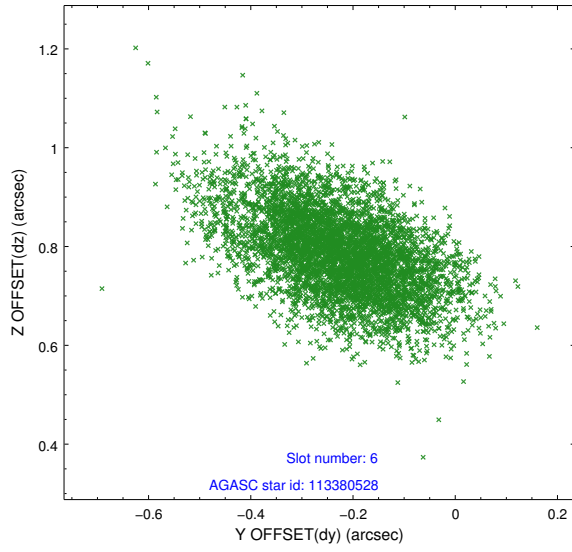
2.4.2 Slot 4



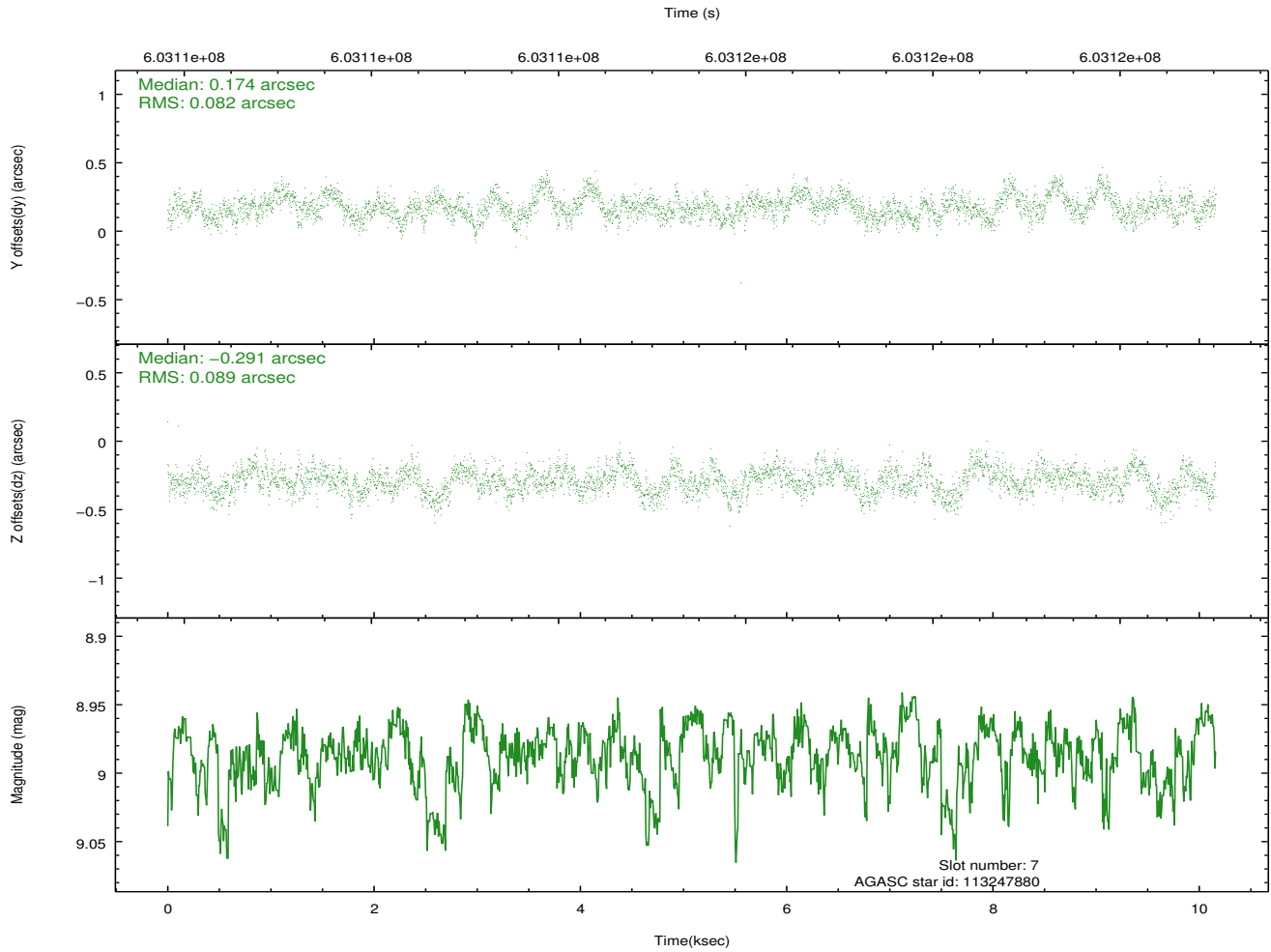
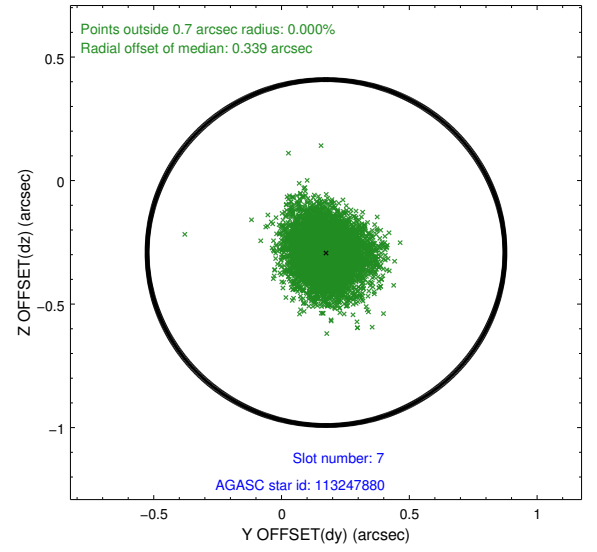
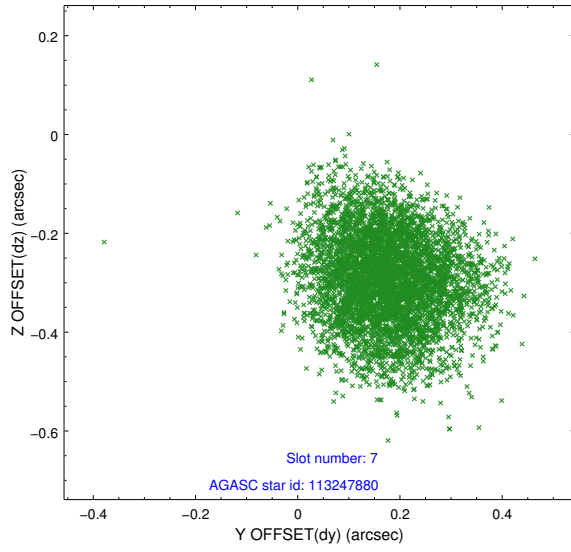
2.4.3 Slot 5



2.4.4 Slot 6

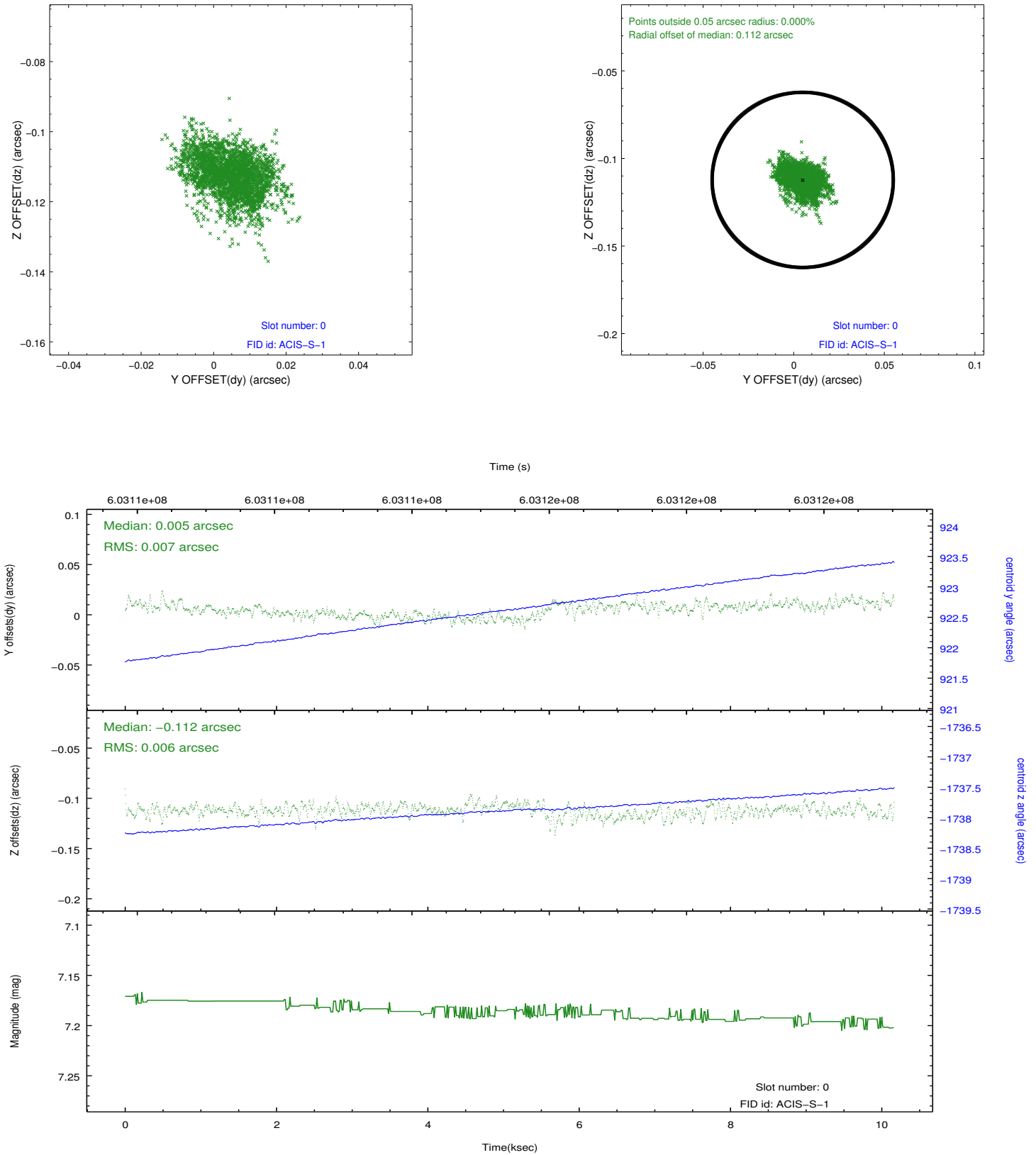


2.4.5 Slot 7

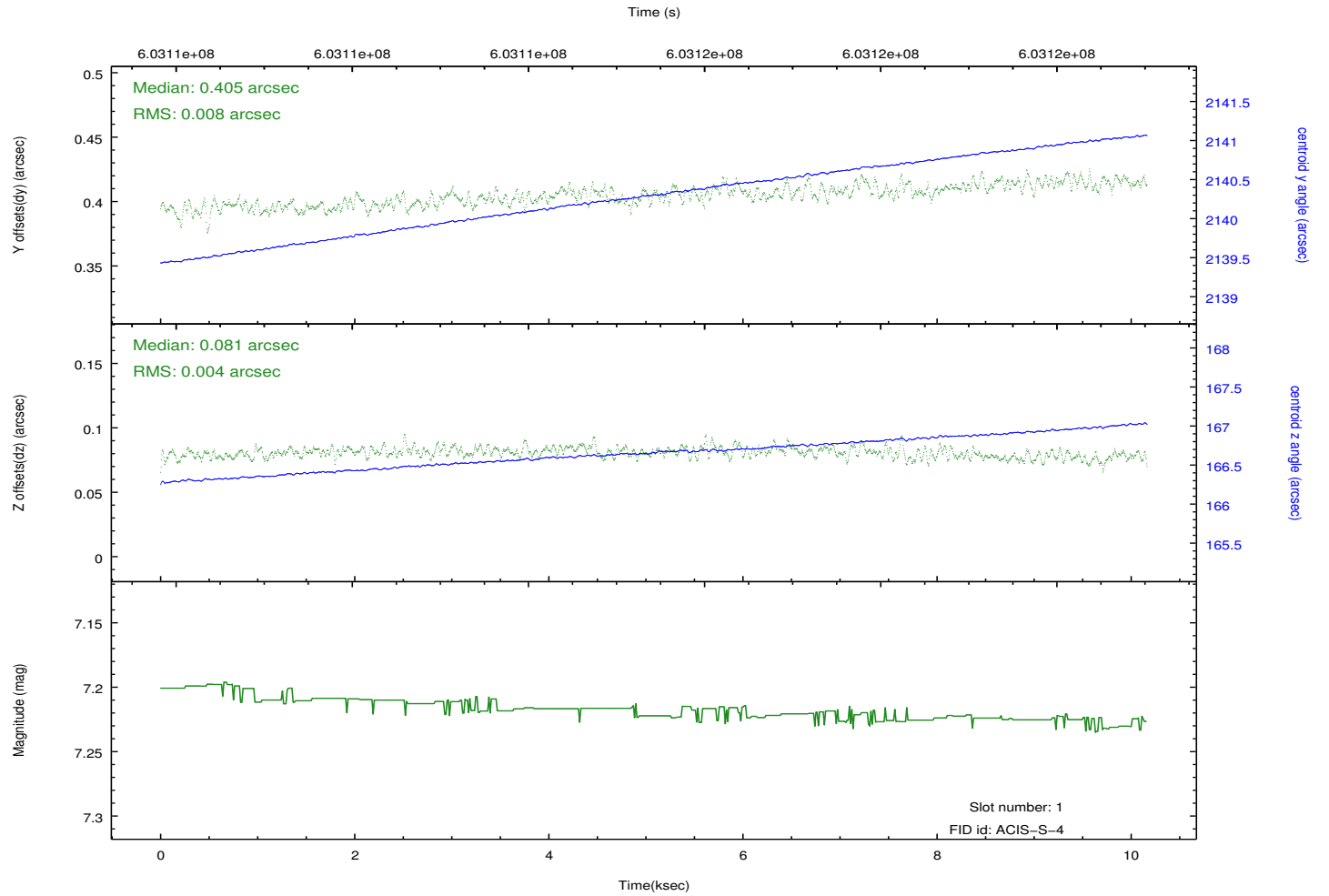
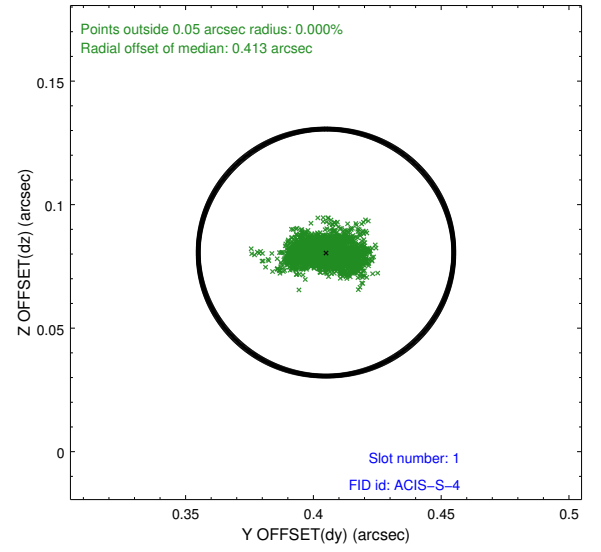
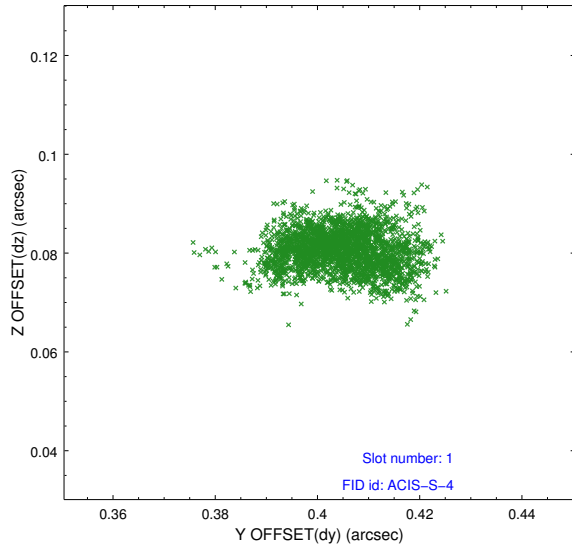


2.5 FID Slots

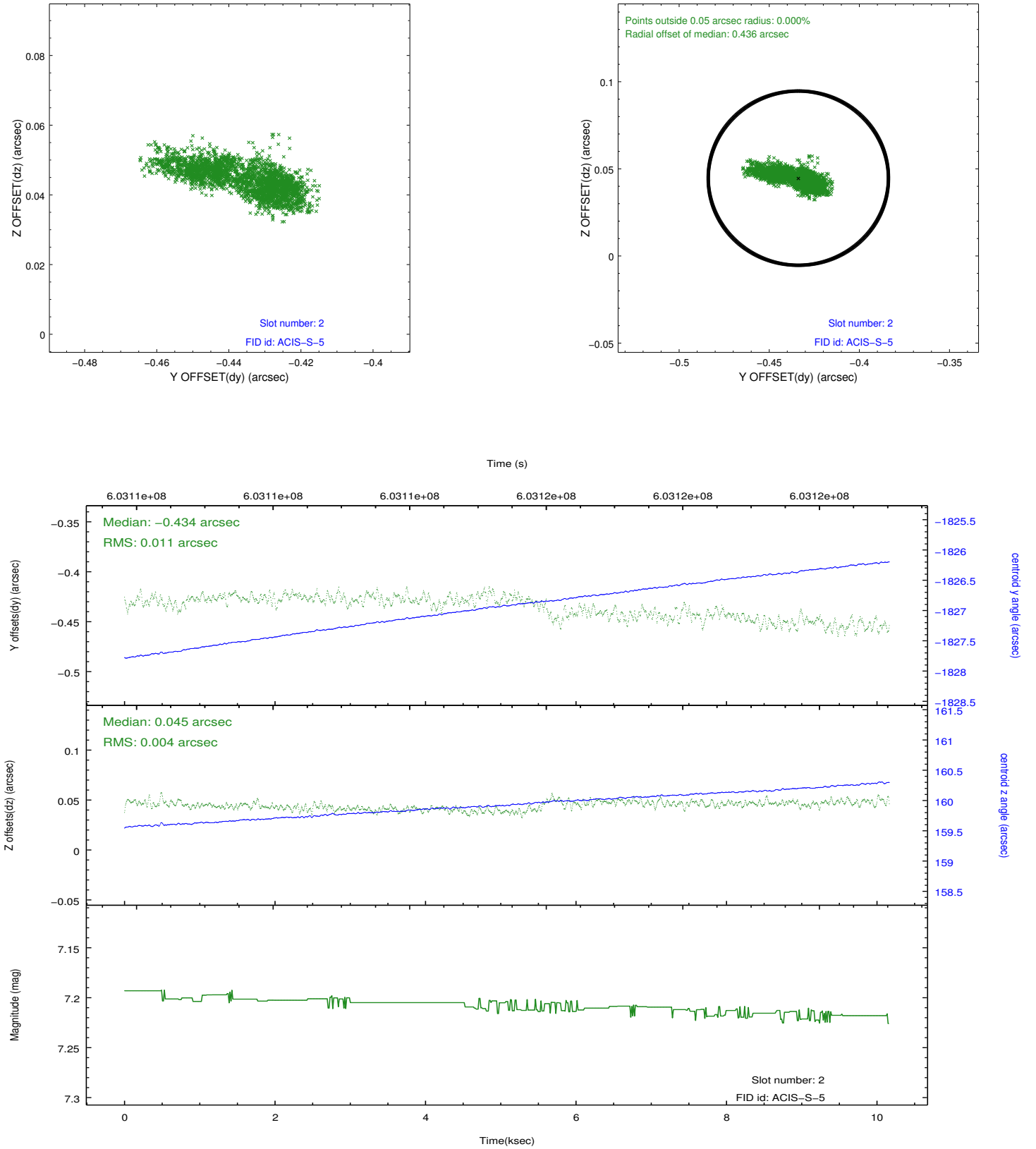
2.5.1 Slot 0



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)	2017.02.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.059500077486

A.2 Comments

Two optional chips were dropped.