

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 15572 - L2 Version 2
Chandra X-Ray Center

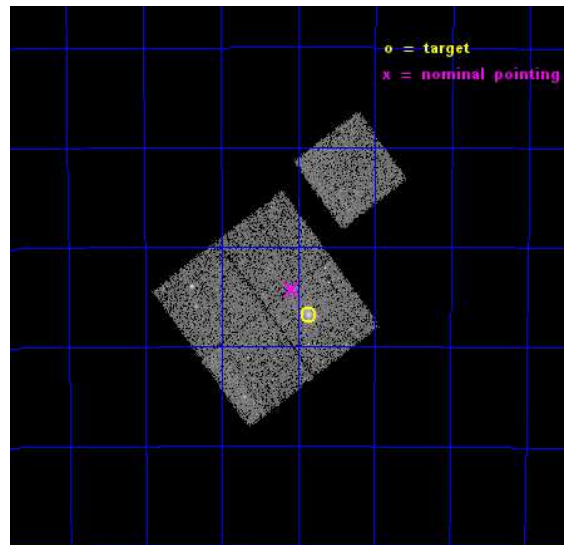
L2 Processing Date : Nov 29 2014

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1 Front

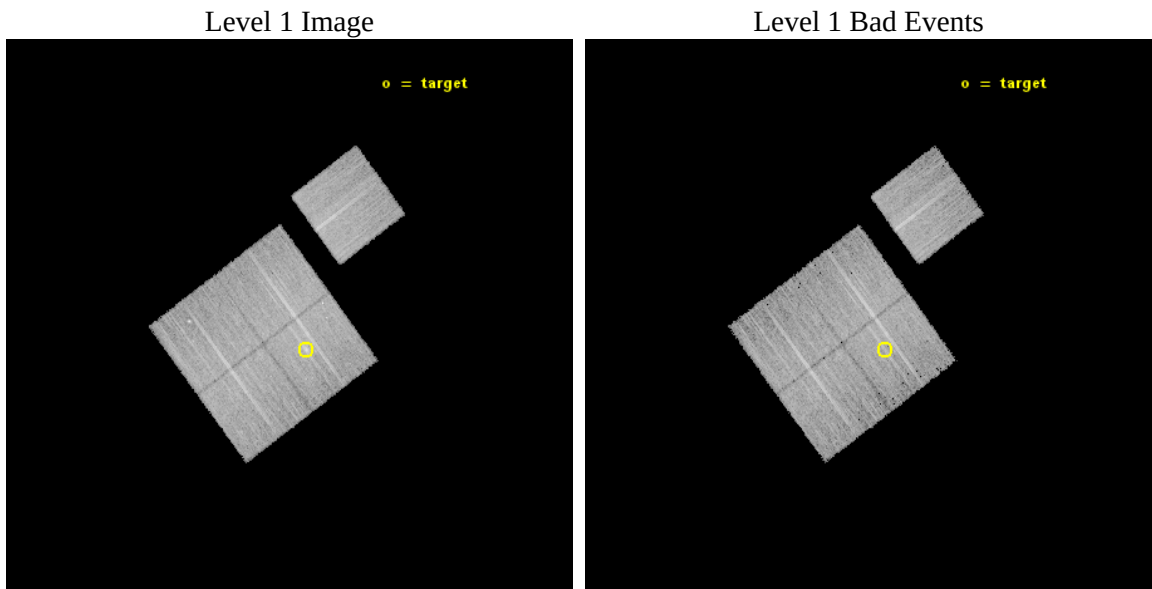
seq_num	801197	Sequence number
obs_id	15572	Observation id
title	A DETAILED CHANDRA/HST STUDY OF THE FIRST z approx 1 CLUSTER BLINDLY DISCOVERED IN THE PLANCK ALL SKY SURVEY	Proposal title
observer	Dr. Pasquale Mazzotta	Principal investigator
object	PLCKG266.6-27.3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	93.966667	Observer's specified target RA [deg]
dec_targ	-57.781	Observer's specified target Dec [deg]
ra_nom	94.021531282413	Nominal RA [deg]
dec_nom	-57.738120610834	Nominal Dec [deg]
roll_nom	53.255053860223	Nominal Roll [deg]
revision	2	Processing version of data
ontime	15058.462041318	Sum of GTIs [s]
livetime	14861.71214887	Livetime [s]
ontime0	15058.338921309	Sum of GTIs [s]
ontime1	15058.379961312	Sum of GTIs [s]
ontime2	15058.421001315	Sum of GTIs [s]
ontime3	15058.462041318	Sum of GTIs [s]
ontime6	15058.297881305	Sum of GTIs [s]
l2events	43078	Number of level 2 events



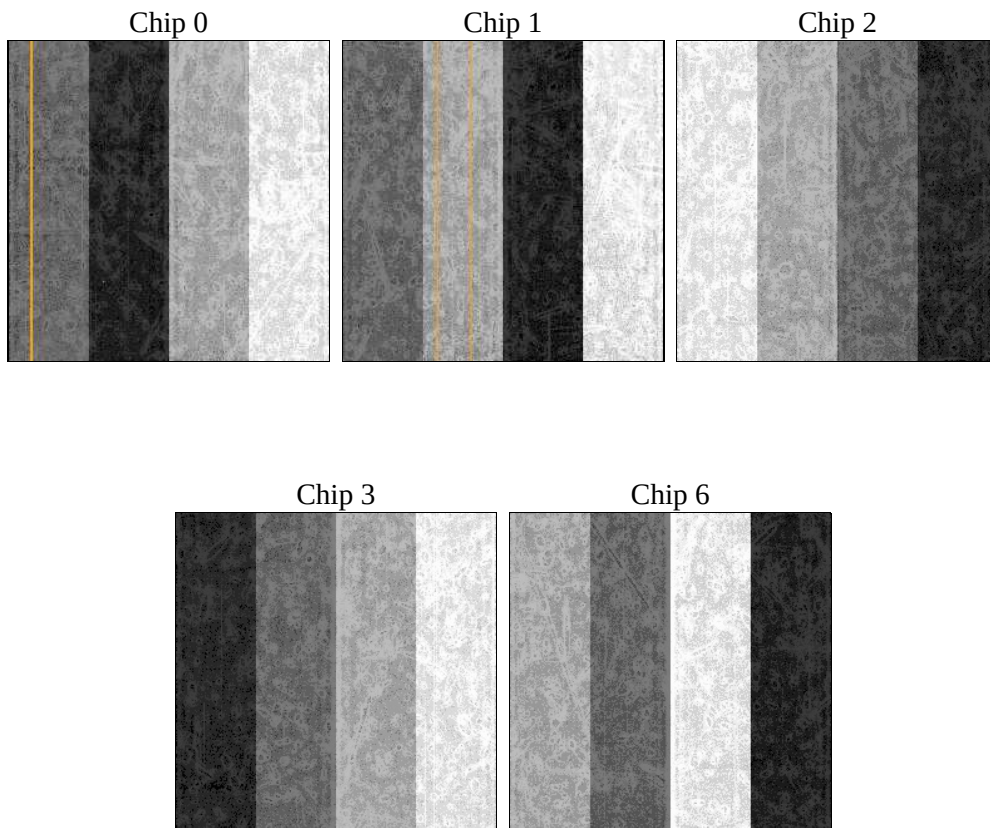
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	14976.466000	[s] Scheduled observation exposure time
ascdsver	10.3	Processing system revision	ontime	15058.462041318	Sum of GTIs [s]
caldbver	4.6.4	 	ontime0	15058.338921309	Sum of GTIs [s]
date	2014-11-29T04:53:01	Date and time of file creation	ontime1	15058.379961312	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	15058.421001315	Sum of GTIs [s]
			ontime3	15058.462041318	Sum of GTIs [s]
			ontime6	15058.297881305	Sum of GTIs [s]
			l1events	385838	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	73221	75525	78818	78888	79386
rejected events	63435	65186	69699	67605	69636
rejected %	86%	86%	88%	85%	87%

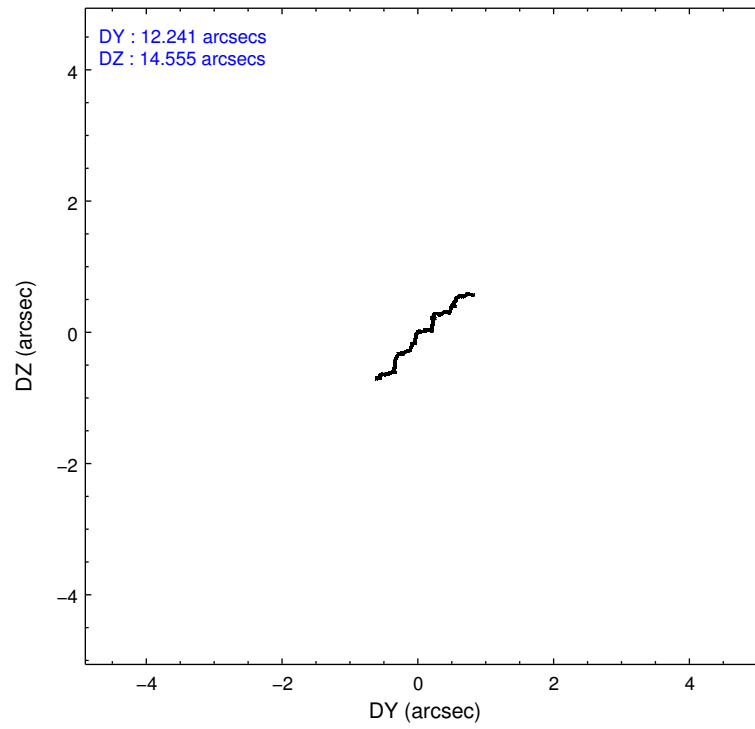
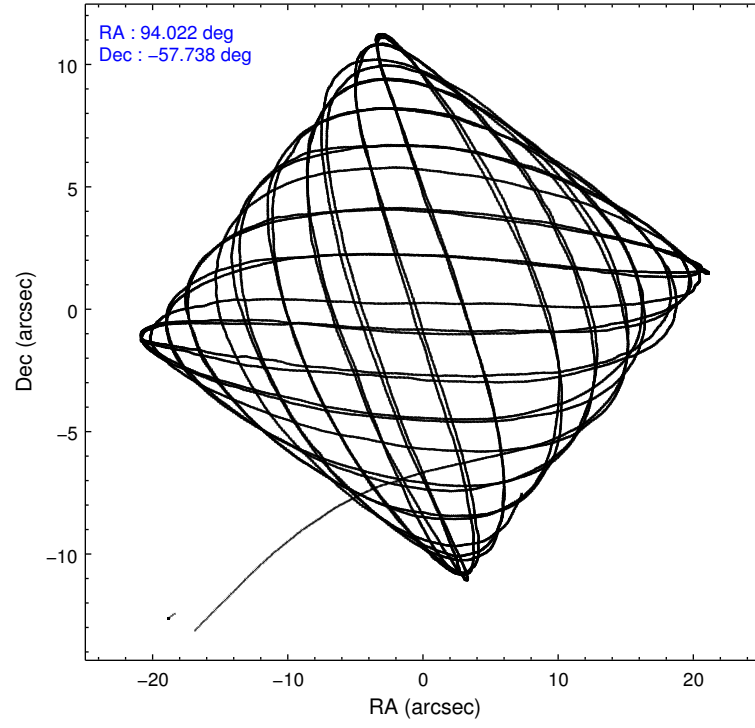
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	3528	3642	3240	5106	3479
	4%	4%	4%	6%	4%
grade 1 events	40	42	48	68	37
	0%	0%	0%	0%	0%
grade 2 events	2363	2565	2226	2171	2162
	3%	3%	2%	2%	2%
grade 3 events	1037	981	895	1051	996
	1%	1%	1%	1%	1%
grade 4 events	899	981	986	1025	1004
	1%	1%	1%	1%	1%
grade 5 events	3640	3831	3559	4235	3927
	4%	5%	4%	5%	4%
grade 6 events	1962	2174	1776	1933	2112
	2%	2%	2%	2%	2%
grade 7 events	59752	61309	66088	63299	65669
	81%	81%	83%	80%	82%

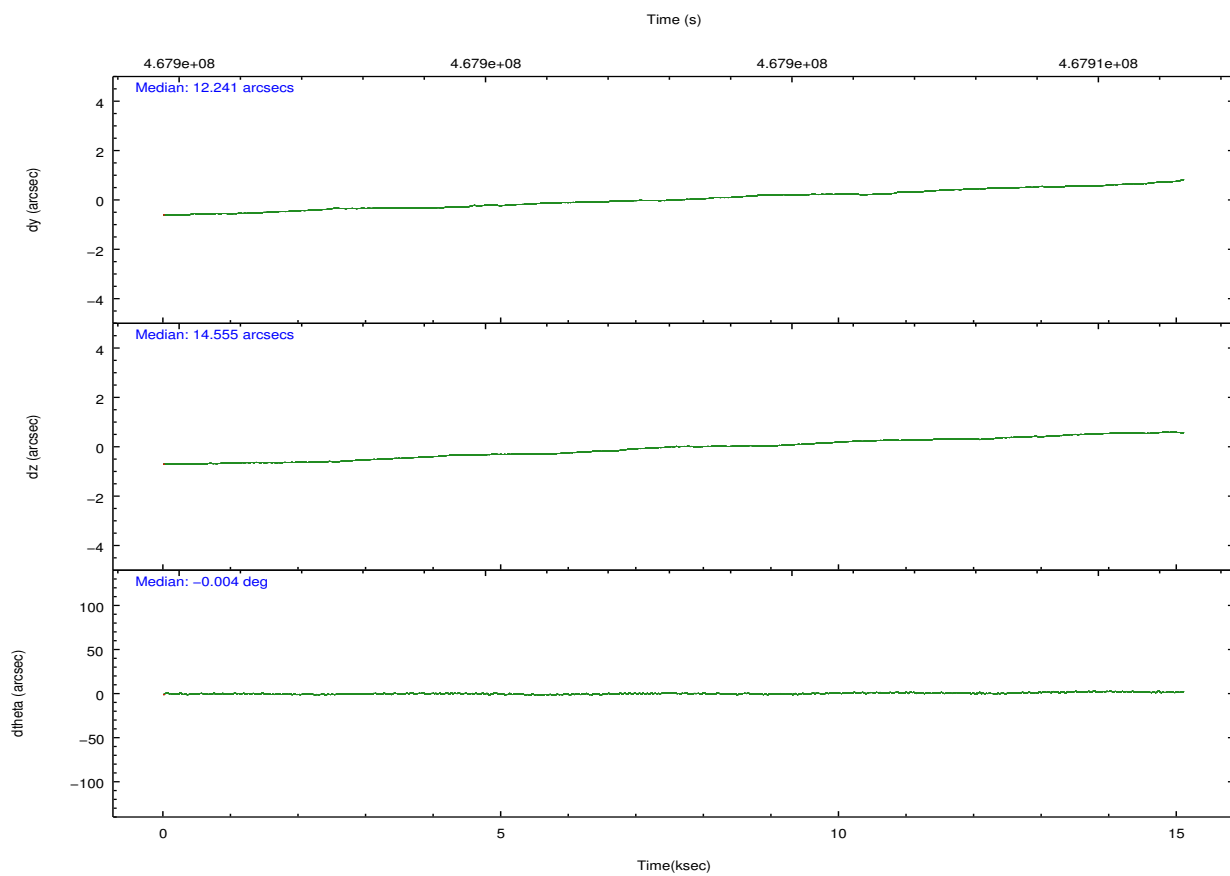
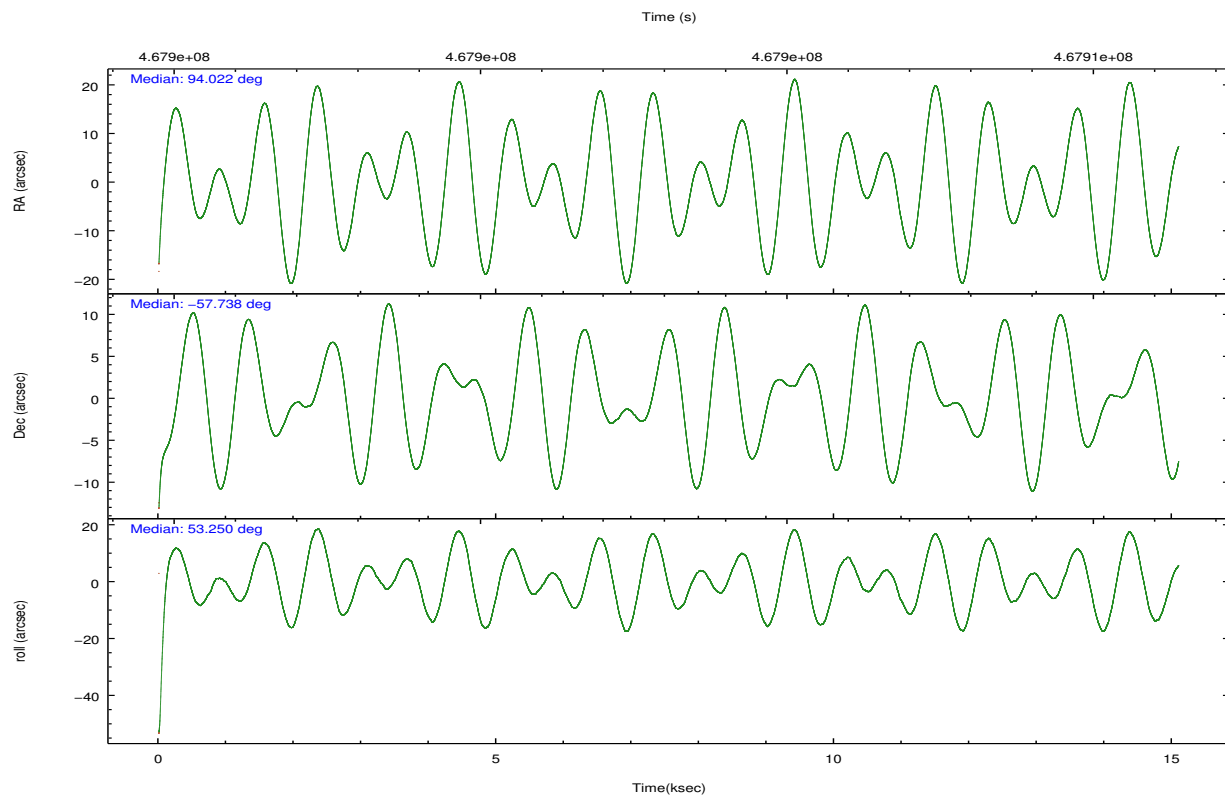
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-01236	ACIS-01236
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	94.015667	94.02153128241284
[deg] Pointing Dec	-57.765429	-57.73812061083417
[deg] Pointing Roll	53.041443	53.25505386022273
[mm] SIM focus pos	-0.782348	-0.7809083437167272
[mm] SIM defocus	0	0.001439871863259334
[mm] SIM translation stage pos	-225.842463	-225.8433433320239
[mm] SIM translation stage offset	-7.75	-7.749109670905796
[s] Observation start time (MET)	467895654.184000	467894100.1708
Observation start date	2012-10-29T10:59:47	2012-10-29T10:35:00
[s] Observation end time (MET)	467910631.184000	467910866.6092
Observation end date	2012-10-29T15:09:24	2012-10-29T15:14:26
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
CCD I0 on	Y	Y
CCD I1 on	Y	Y
CCD I2 on	Y	Y
CCD I3 on	Y	Y
CCD S0 on	N	N
CCD S1 on	N	N
CCD S2 on	O1	Y
CCD S3 on	N	N
CCD S4 on	N	N
CCD S5 on	N	N
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.1

2.3 Aspect



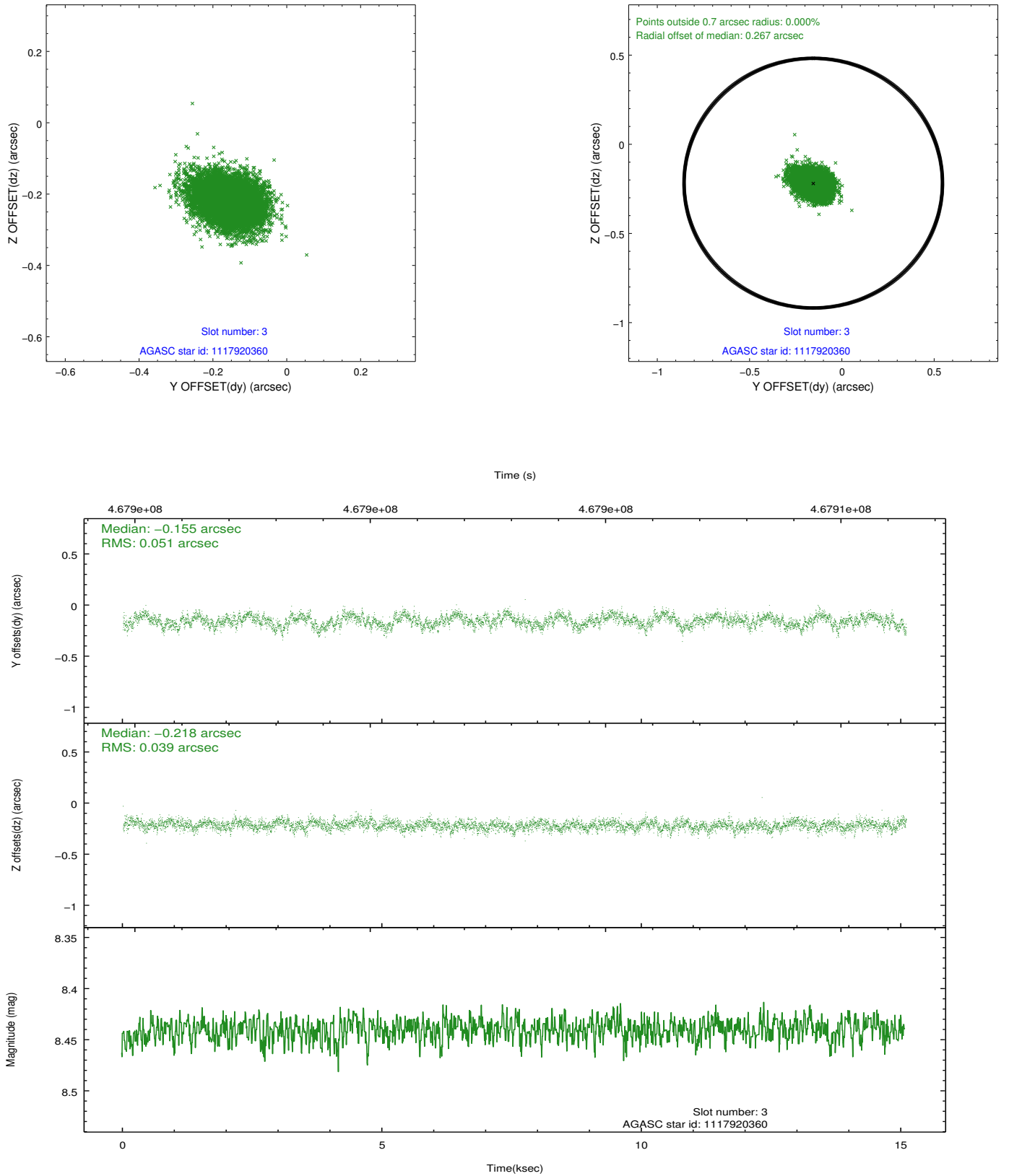


Slot Statistics

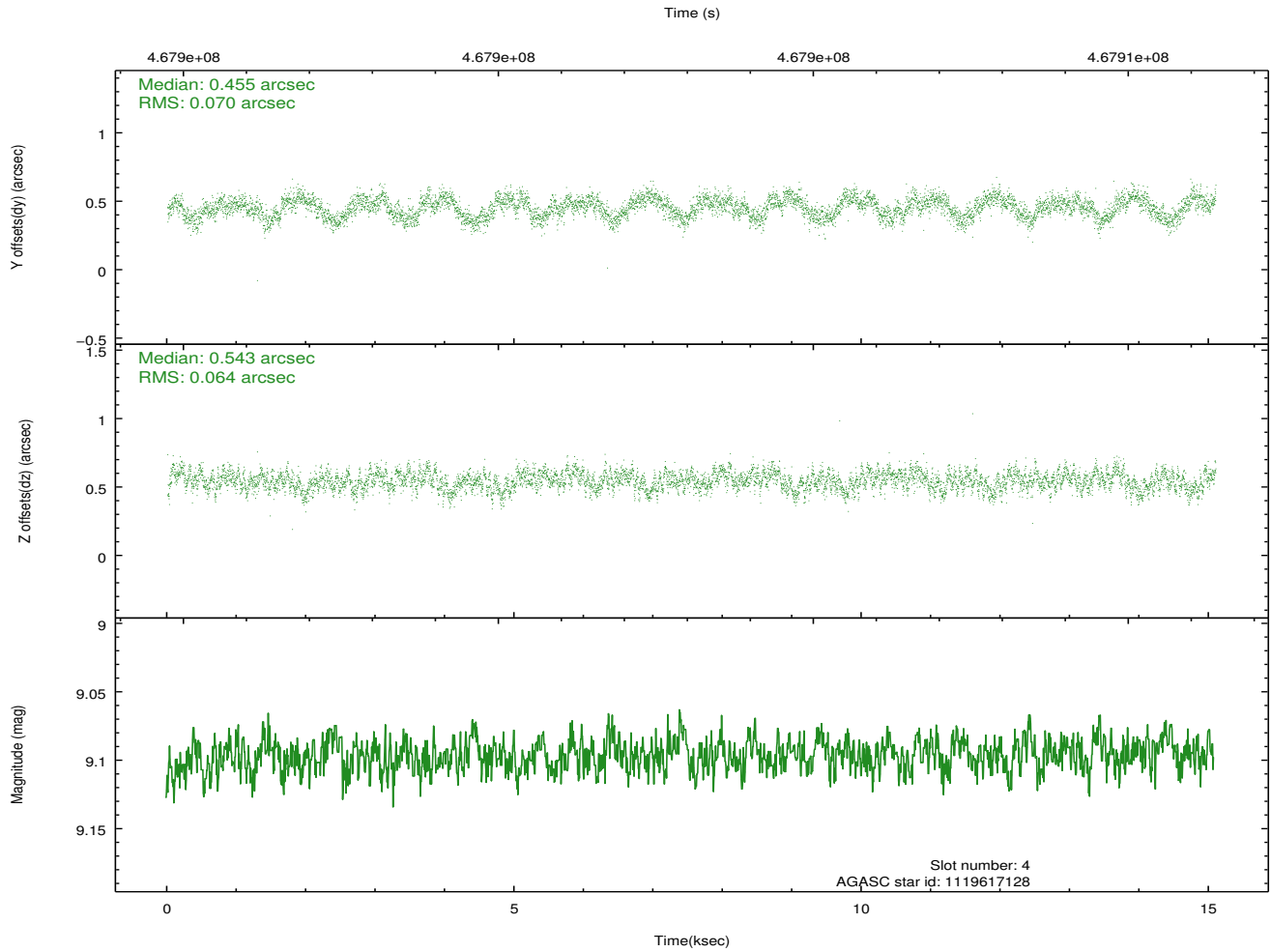
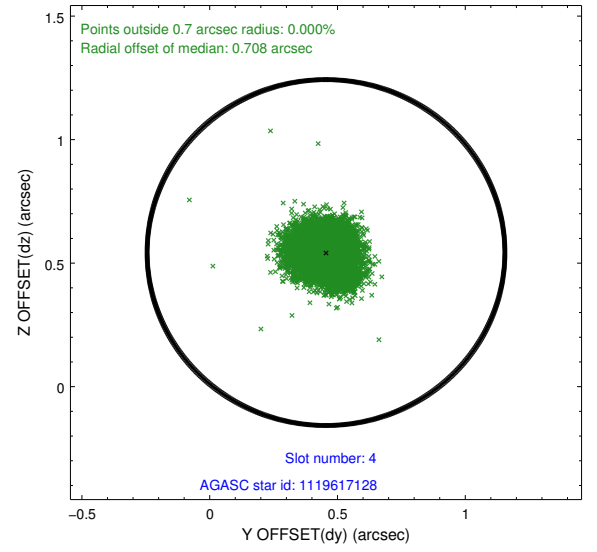
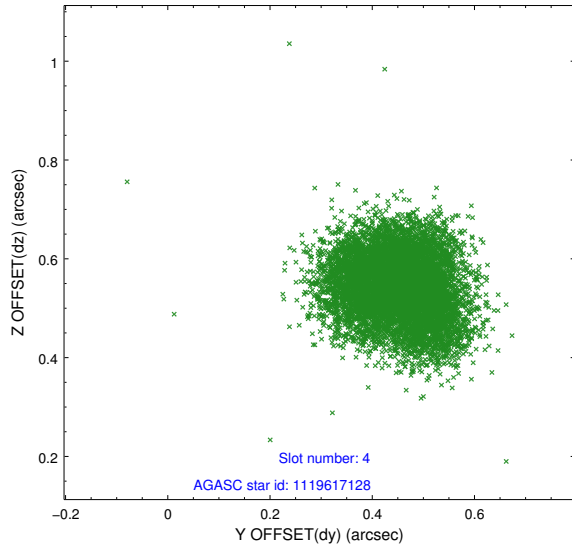
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.15	3682	0.120	-0.097	0.014	0.027	0.000000	0.000000	927.27	-997.22
1	FID		ACIS-I-5	7.13	3682	-0.273	0.097	0.012	0.025	0.000000	0.000000	-1821.13	900.18
2	FID		ACIS-I-6	7.16	3681	0.063	0.073	0.014	0.023	0.000000	0.000000	392.35	1545.08
3	GUIDE	used	1117920360	8.44	7364	-0.155	-0.218	0.068	0.110	92.689586	-57.826981	-1725.21	1882.82
4	GUIDE	used	1119617128	9.10	7360	0.455	0.543	0.102	0.158	93.986624	-58.000911	-710.10	-464.46
5	GUIDE	used	1119617976	8.00	7364	-0.224	-0.261	0.078	0.128	94.543198	-57.336411	1847.44	107.54
6	GUIDE	used	1119619792	9.40	7355	0.050	-0.113	0.115	0.189	93.499770	-57.916921	-1031.26	458.14
7	GUIDE	used	1119625992	9.05	7360	-0.122	0.053	0.116	0.198	95.619183	-57.592105	2329.68	-2118.31

2.4 Star Slots

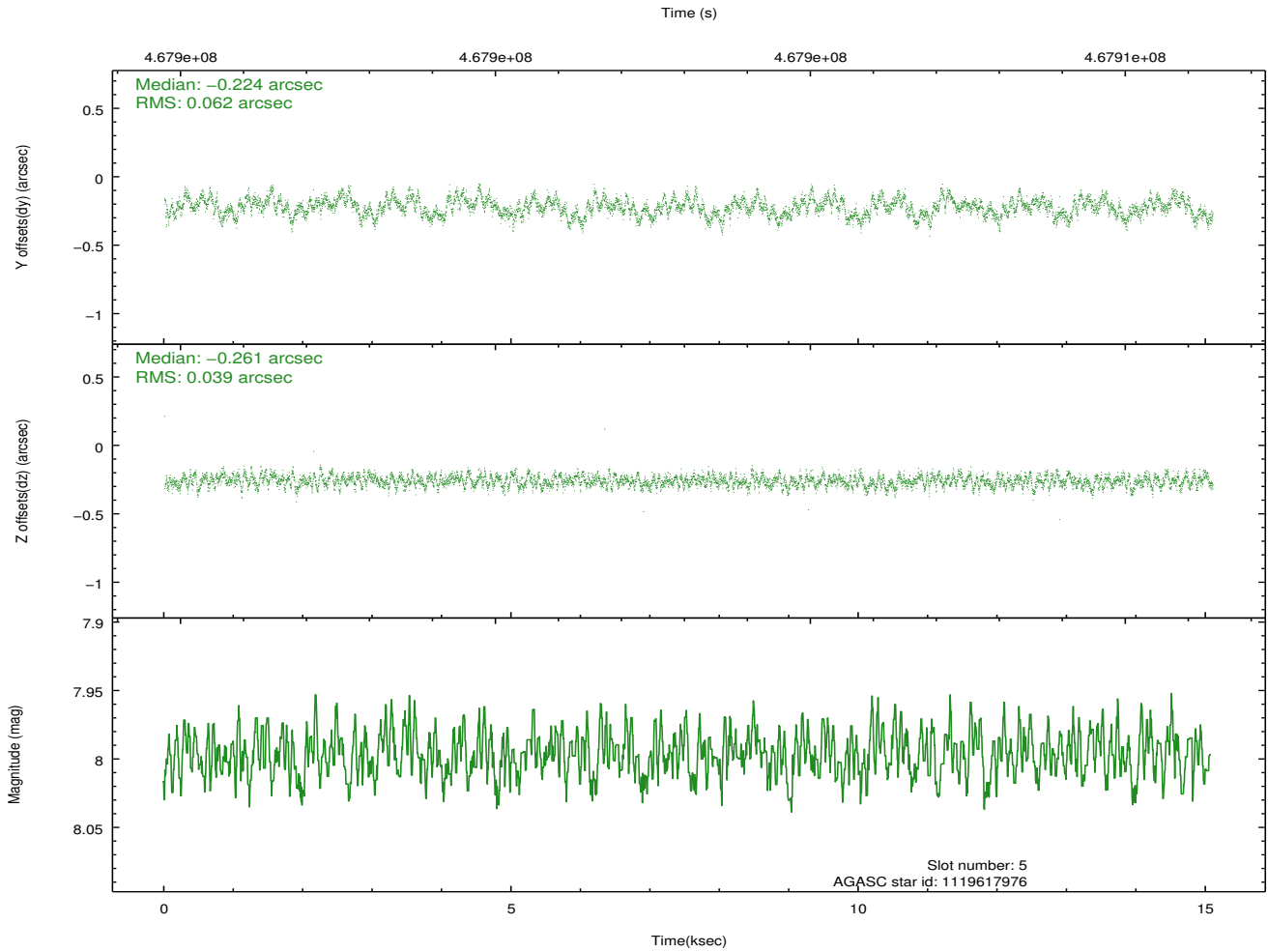
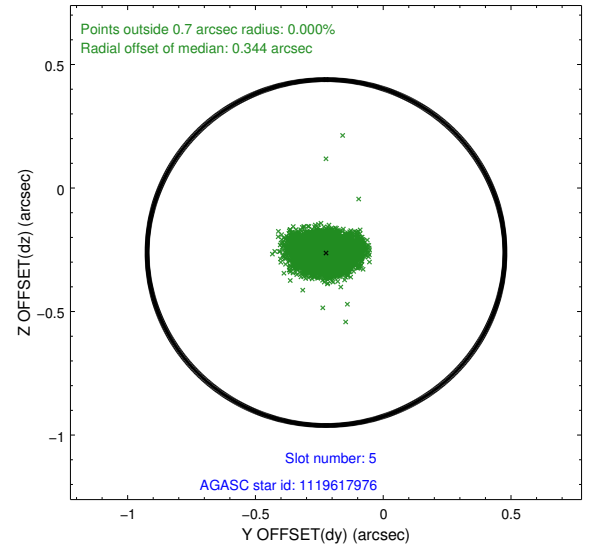
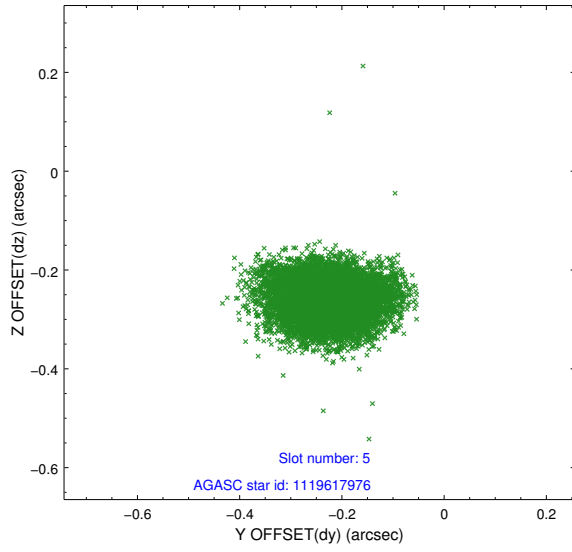
2.4.1 Slot 3



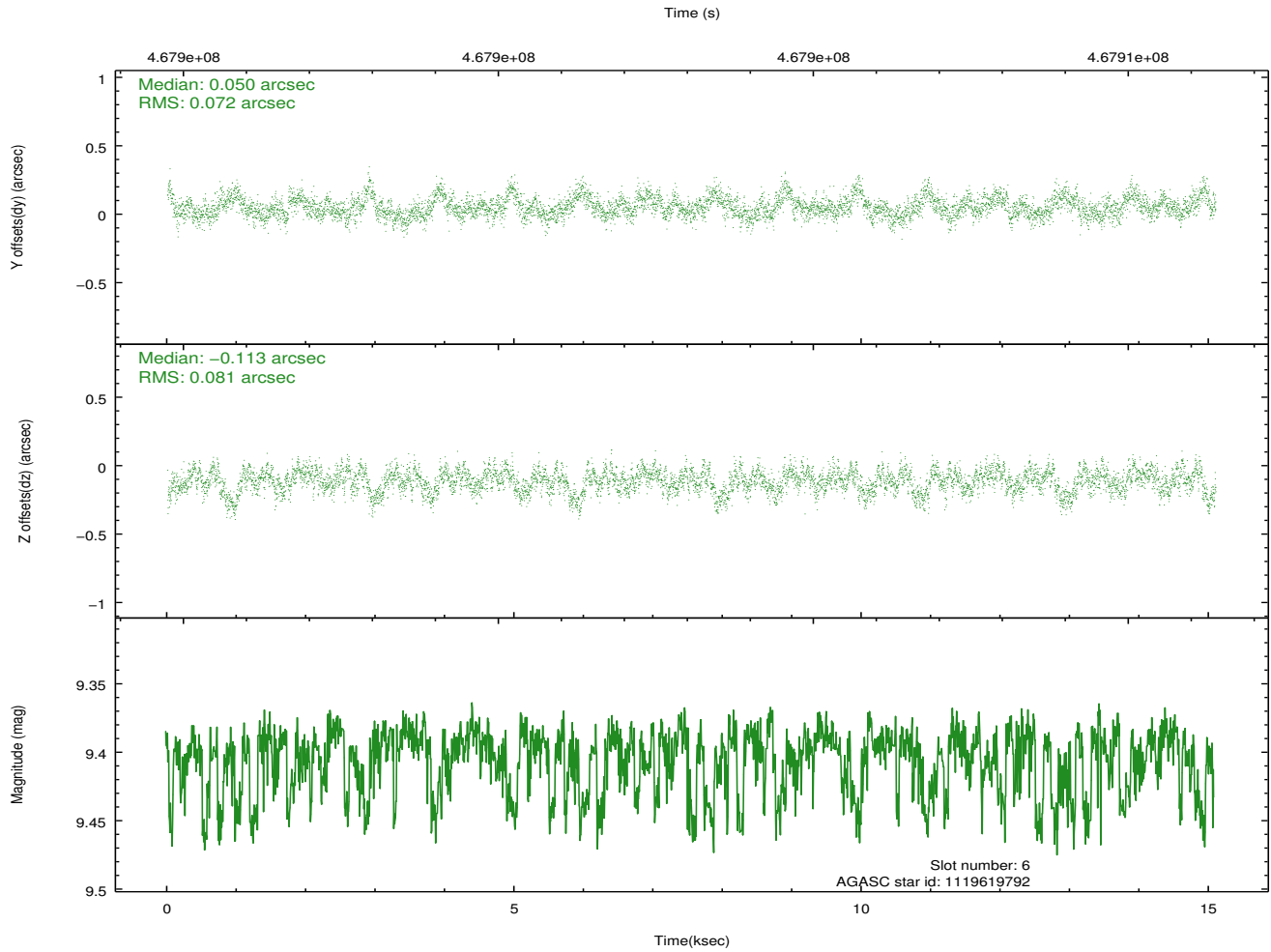
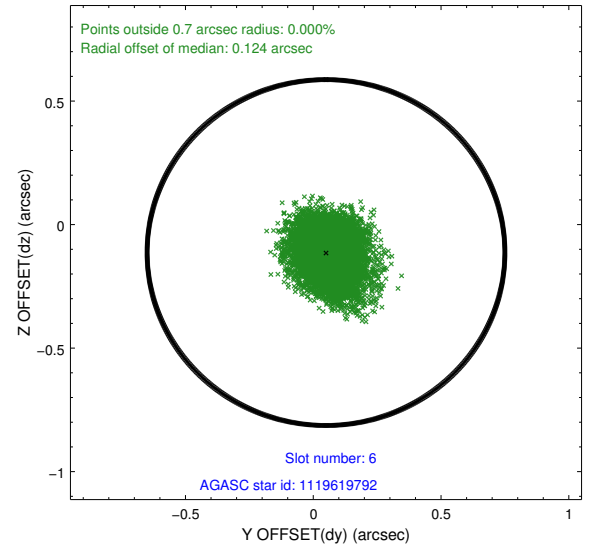
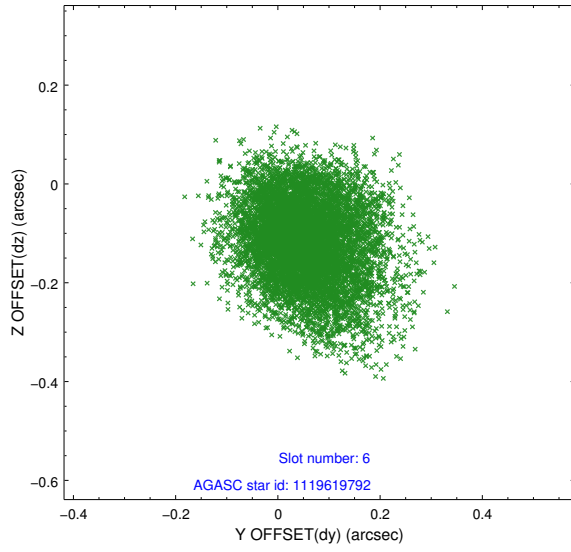
2.4.2 Slot 4



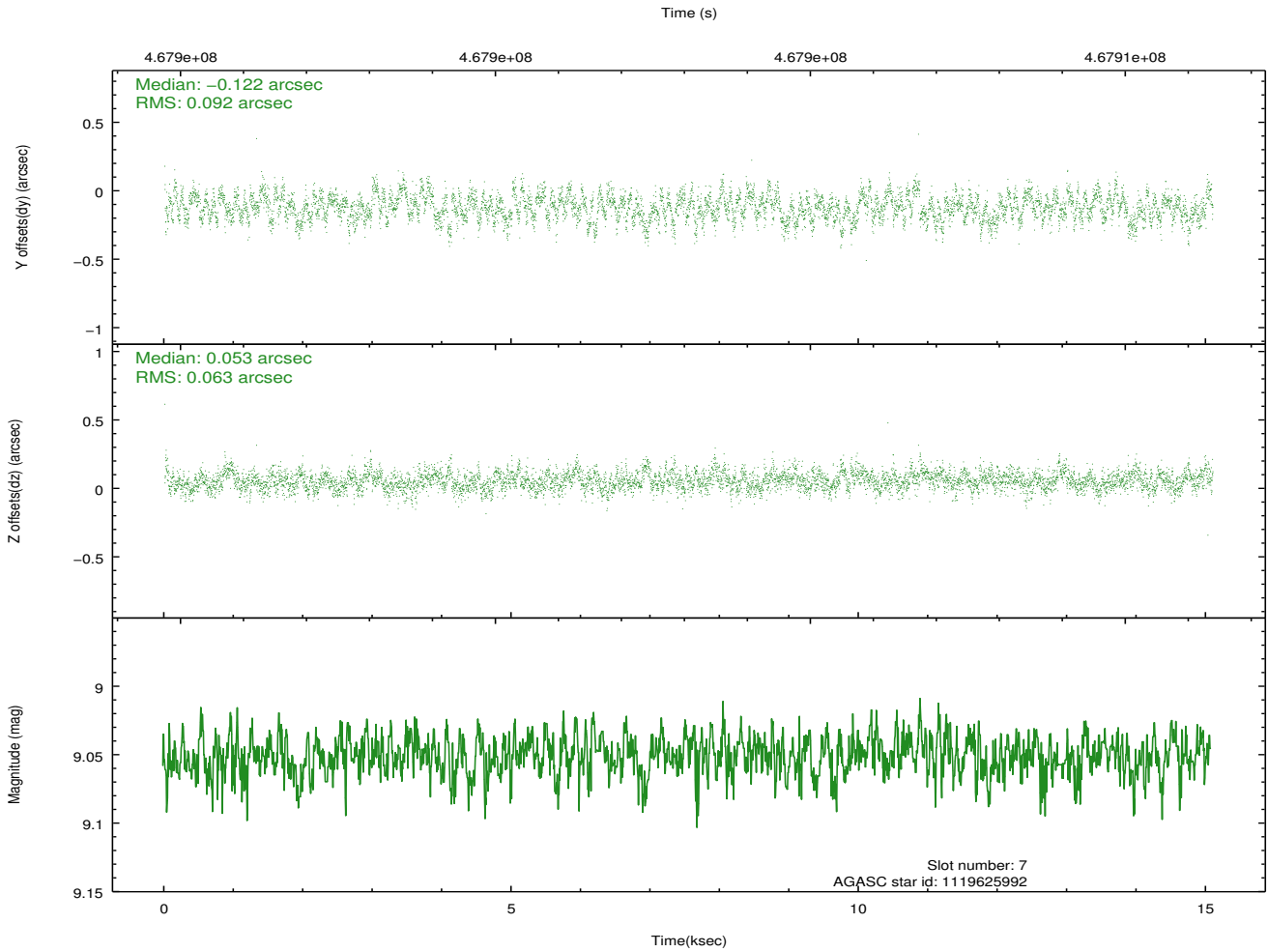
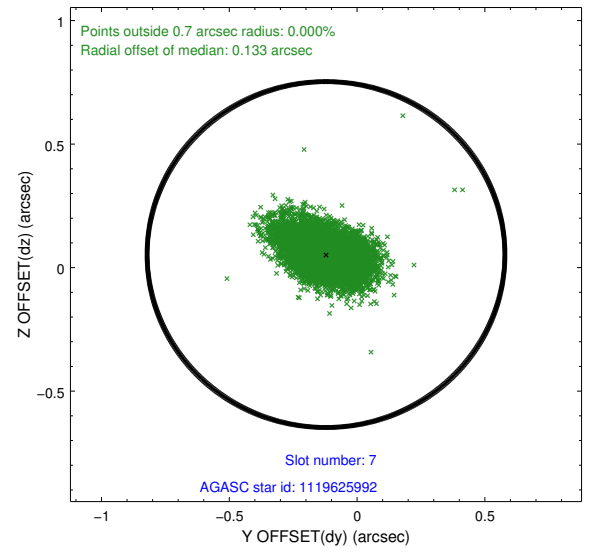
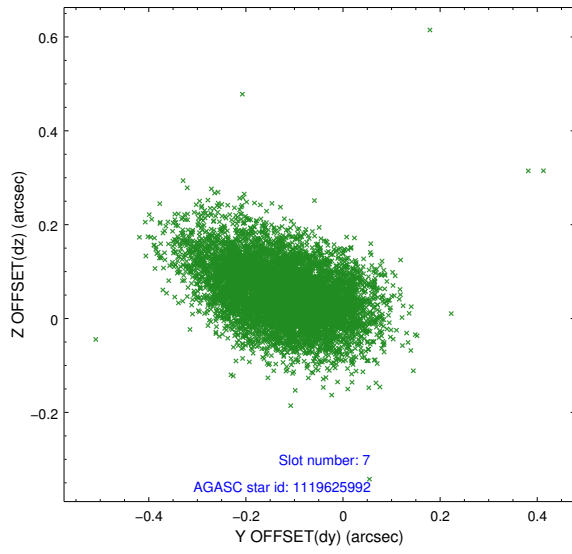
2.4.3 Slot 5



2.4.4 Slot 6

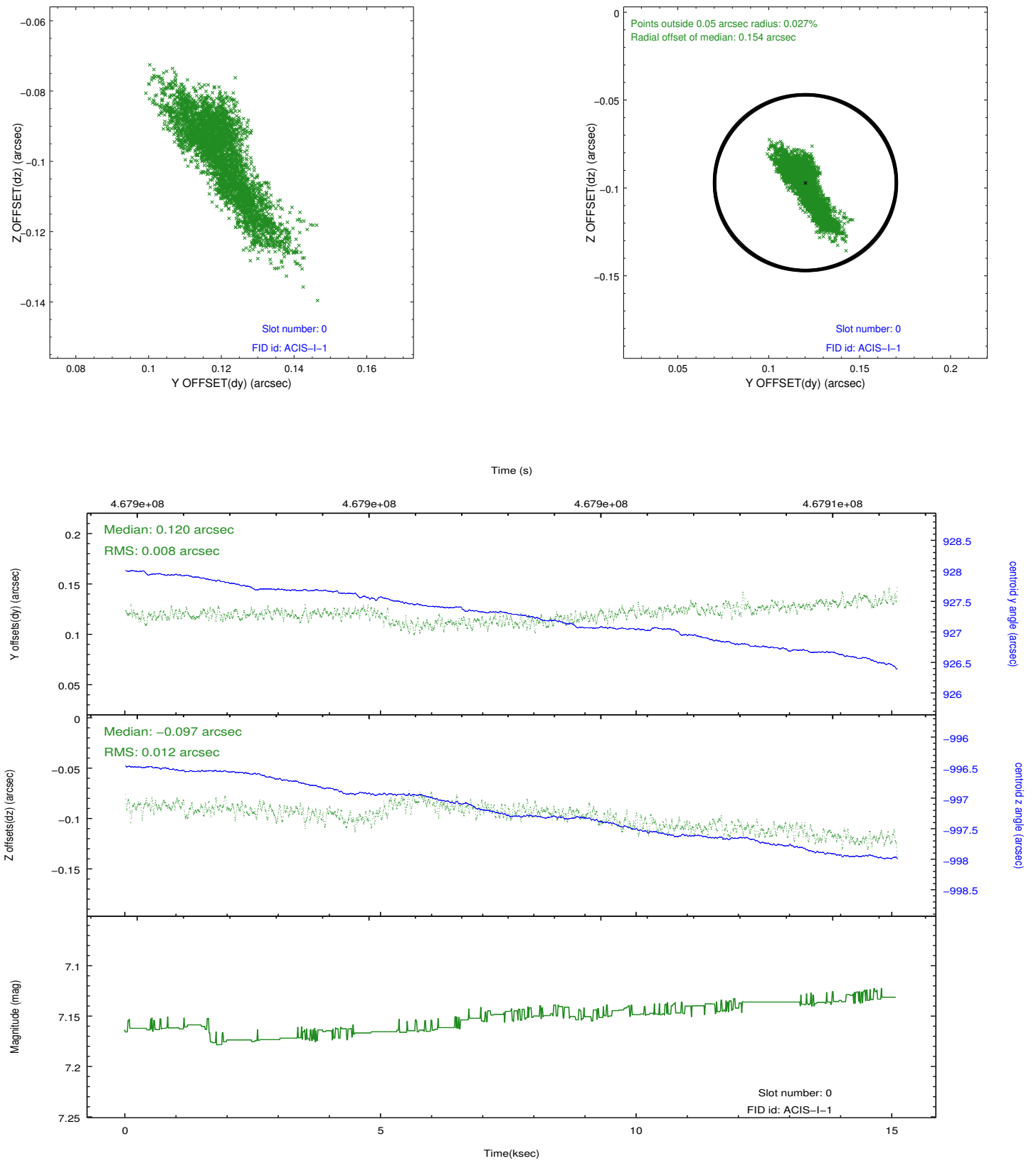


2.4.5 Slot 7

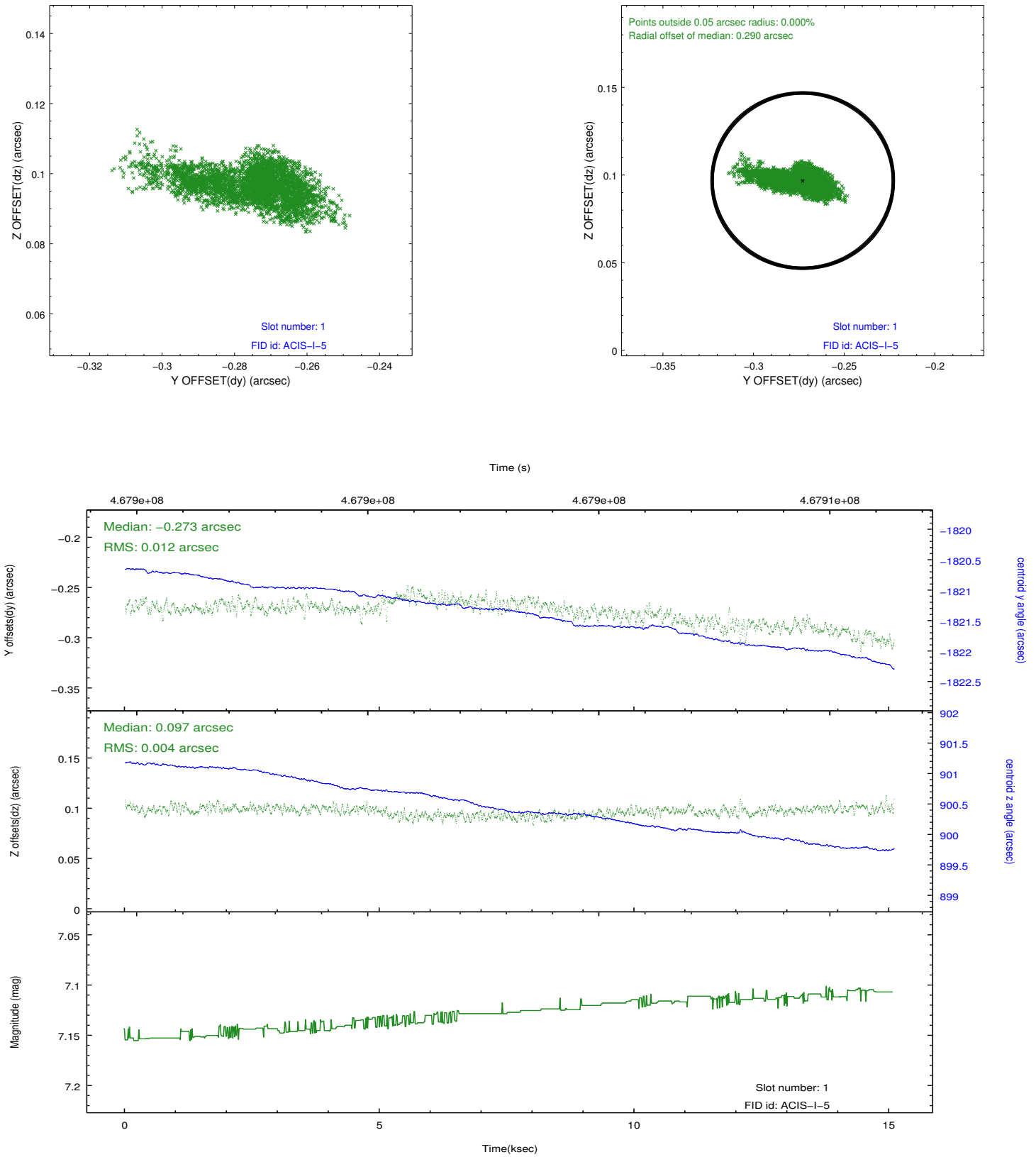


2.5 FID Slots

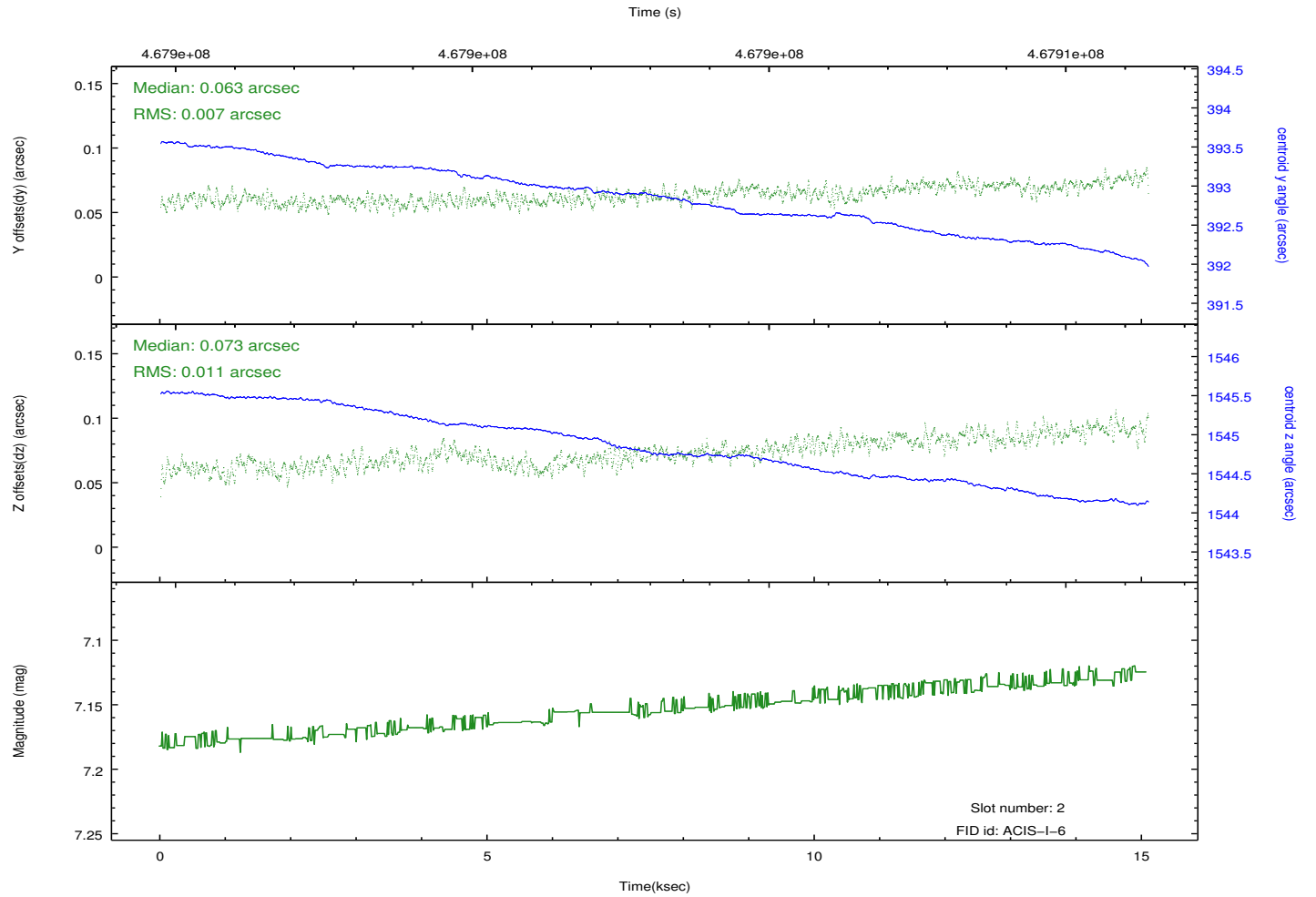
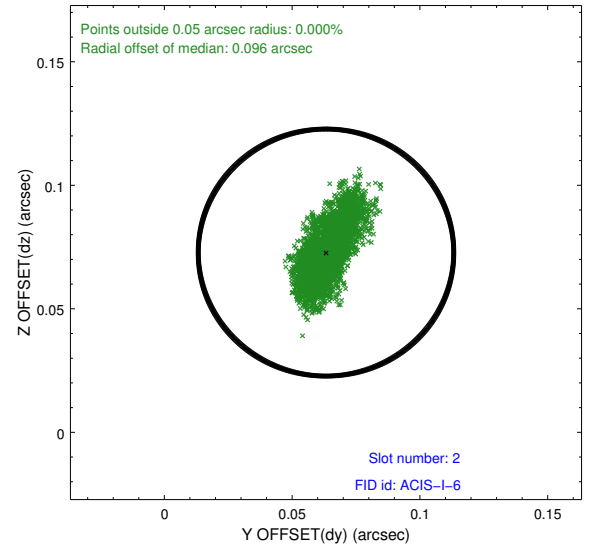
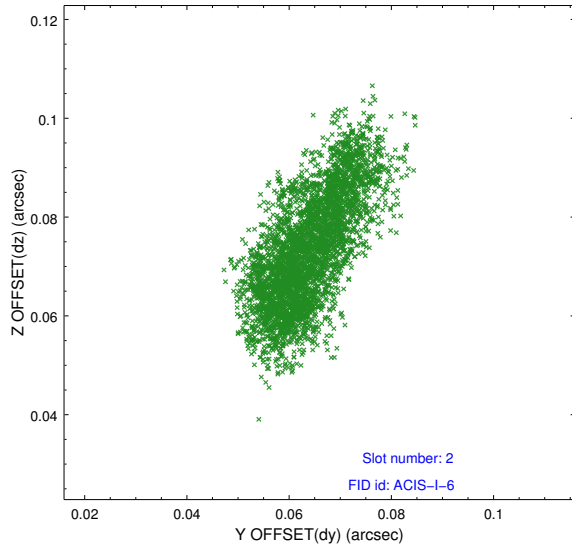
2.5.1 Slot 0



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)	2014.12.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.058462041318

A.2 Comments

Joint Proposal: HST

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These data have been reprocessed with new aspect alignment calibration files that correct small mean offsets (up to 0.4 arcsecs) and improve overall astrometric accuracy. The new calibration was determined using data from the time period being reprocessed and was performed using cross-correlation of X-ray sources with radio and optical counterparts.