

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18102 - L2 Version 1
Chandra X-Ray Center

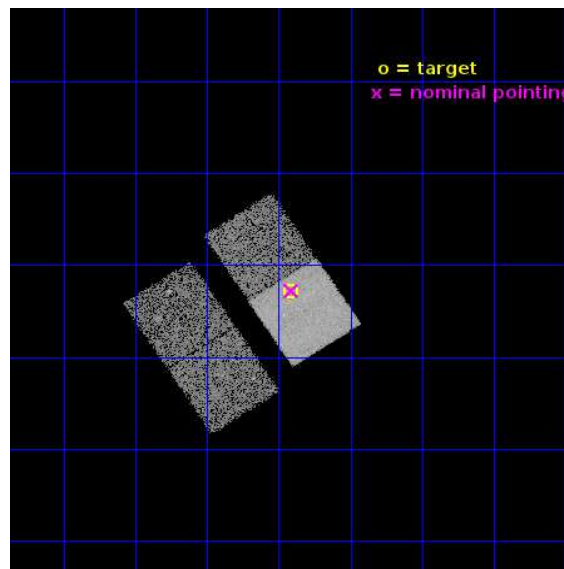
L2 Processing Date : Feb 7 2016

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1 Front

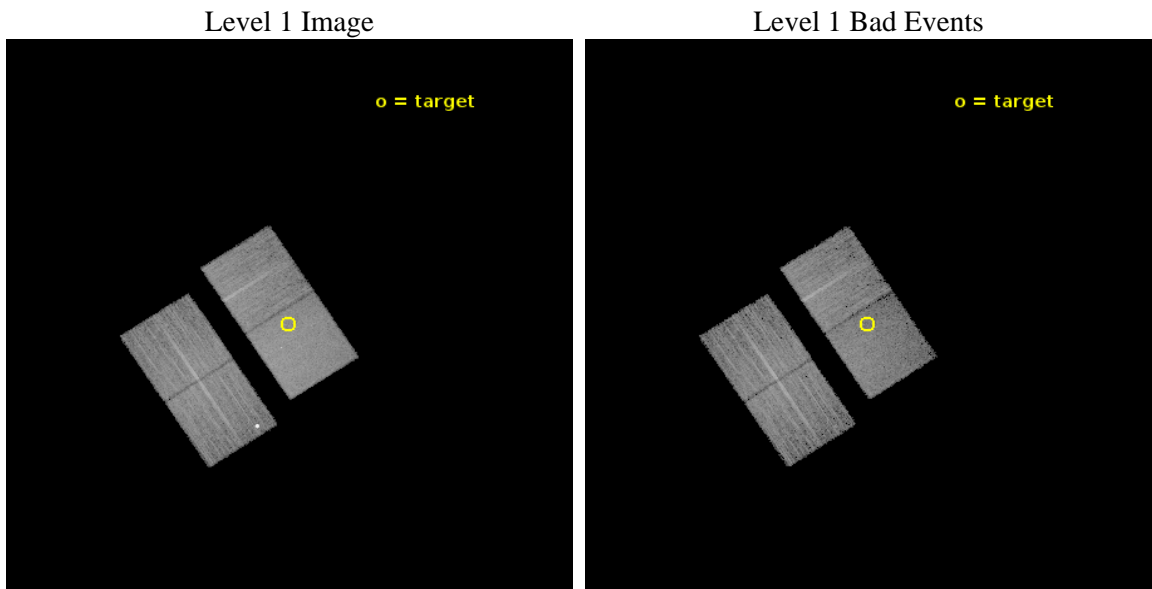
seq_num	703168	Sequence number
obs_id	18102	Observation id
title	Extending the Extragalactic 3CR Chandra Survey to z=1.5	Proposal t
observer	Francesco Massaro	Principal investigator
object	3CR 255	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	169.855	Observer's specified target RA [deg]
dec_targ	-3.047667	Observer's specified target Dec [deg]
ra_nom	169.85304921567	Nominal RA [deg]
dec_nom	-3.0462422918013	Nominal Dec [deg]
roll_nom	56.840296952919	Nominal Roll [deg]
revision	1	Processing version of data
ontime	12073.355320334	Sum of GTIs [s]
livetime	11915.608044799	Livetime [s]
ontime2	12073.232200384	Sum of GTIs [s]
ontime3	12073.273240328	Sum of GTIs [s]
ontime6	12073.314280391	Sum of GTIs [s]
ontime7	12073.355320334	Sum of GTIs [s]
l2events	59152	Number of level 2 events



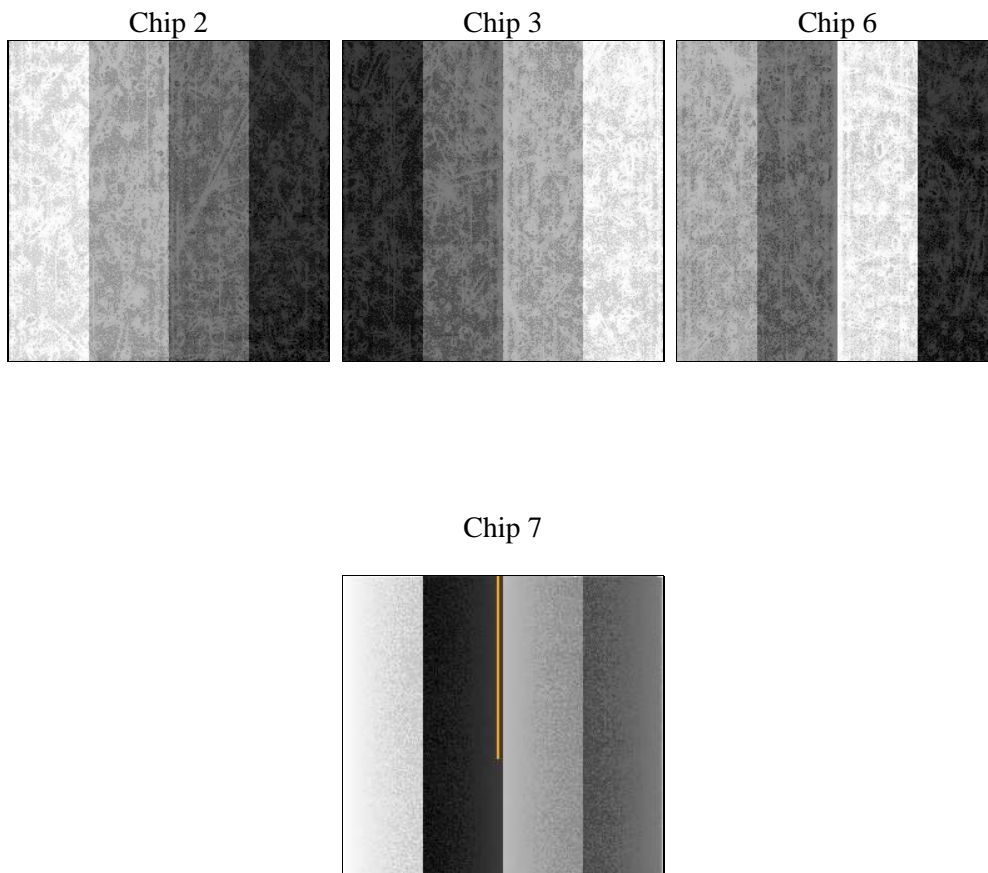
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	12000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	12073.355320334	Sum of GTIs [s]
caldbver	4.7.0	 	ontime2	12073.232200384	Sum of GTIs [s]
date	2016-02-08T00:22:22	Date and time of file creation	ontime3	12073.273240328	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	12073.314280391	Sum of GTIs [s]
			ontime7	12073.355320334	Sum of GTIs [s]
			l1events	316541	Number of level 1 events

2.1.4 Events

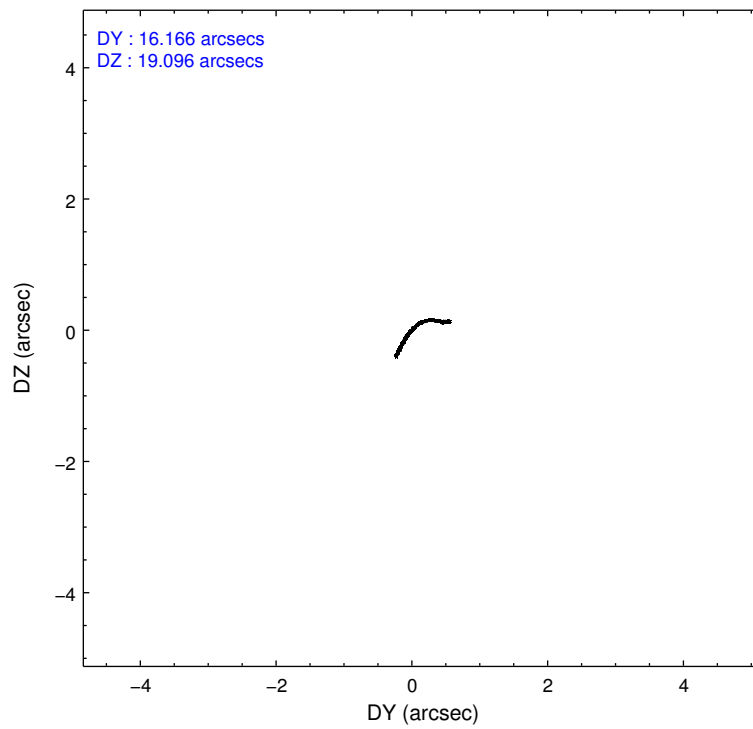
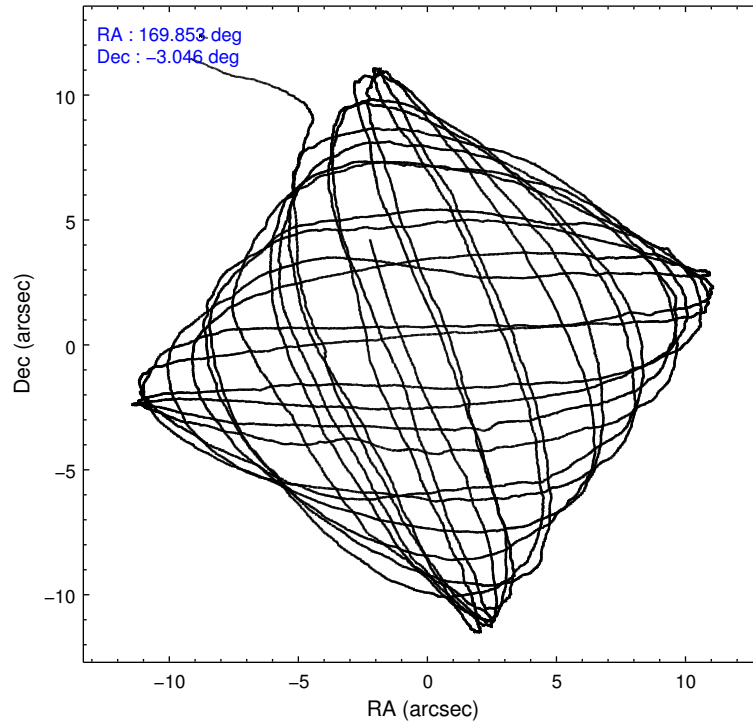
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	71631	76462	74942	93506
rejected events	64158	62935	66656	53671
rejected %	89%	82%	88%	57%

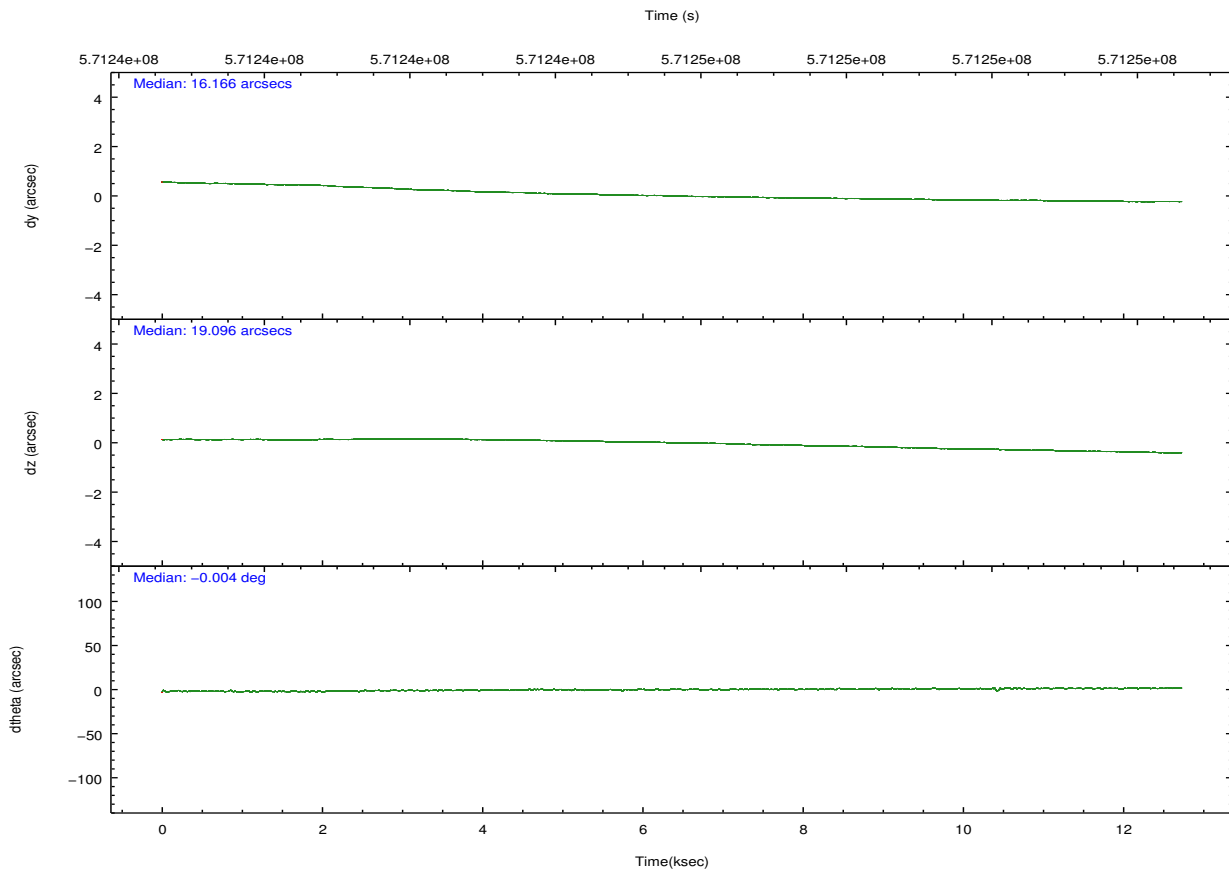
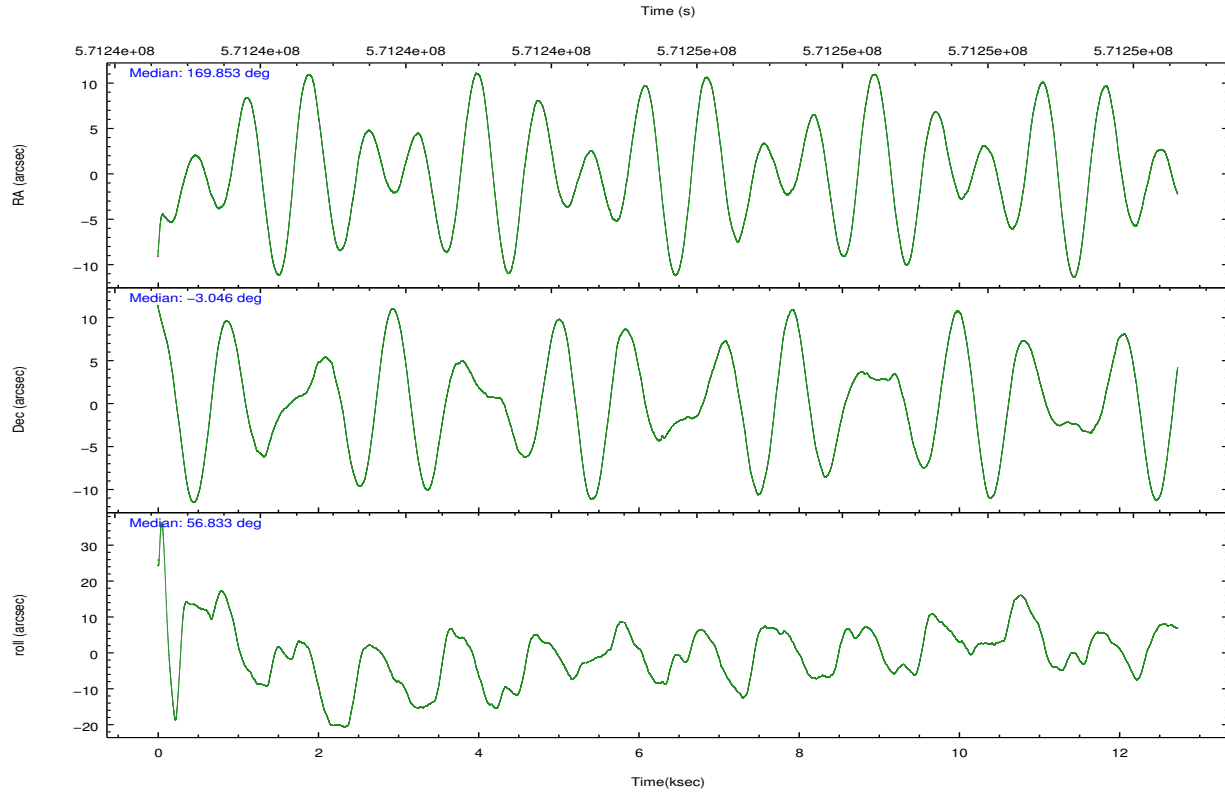
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2702	2665	2678	3283
	3%	3%	3%	3%
grade 1 events	40	34	25	114
	0%	0%	0%	0%
grade 2 events	1759	7677	2011	8424
	2%	10%	2%	9%
grade 3 events	749	830	762	3096
	1%	1%	1%	3%
grade 4 events	784	796	758	2892
	1%	1%	1%	3%
grade 5 events	2862	3448	3317	8850
	3%	4%	4%	9%
grade 6 events	1482	1561	2079	22154
	2%	2%	2%	23%
grade 7 events	61253	59451	63312	44693
	85%	77%	84%	47%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-2367	ACIS-2367	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	169.851938	169.8530492156679	CCD I2 on	O1	Y
[deg] Pointing Dec	-3.073644	-3.04624229180134	CCD I3 on	O2	Y
[deg] Pointing Roll	56.683566	56.84029695291896	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	Y	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	N	N
[s] Observation start time (MET)	571239956.184000	571238227.48664	CCD S5 on	N	N
Observation start date	2016-02-07T13:44:48	2016-02-07T13:17:07	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	571251956.184000	571252657.4374599	On-chip summing requested	N	N
Observation end date	2016-02-07T17:04:48	2016-02-07T17:17:37	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect





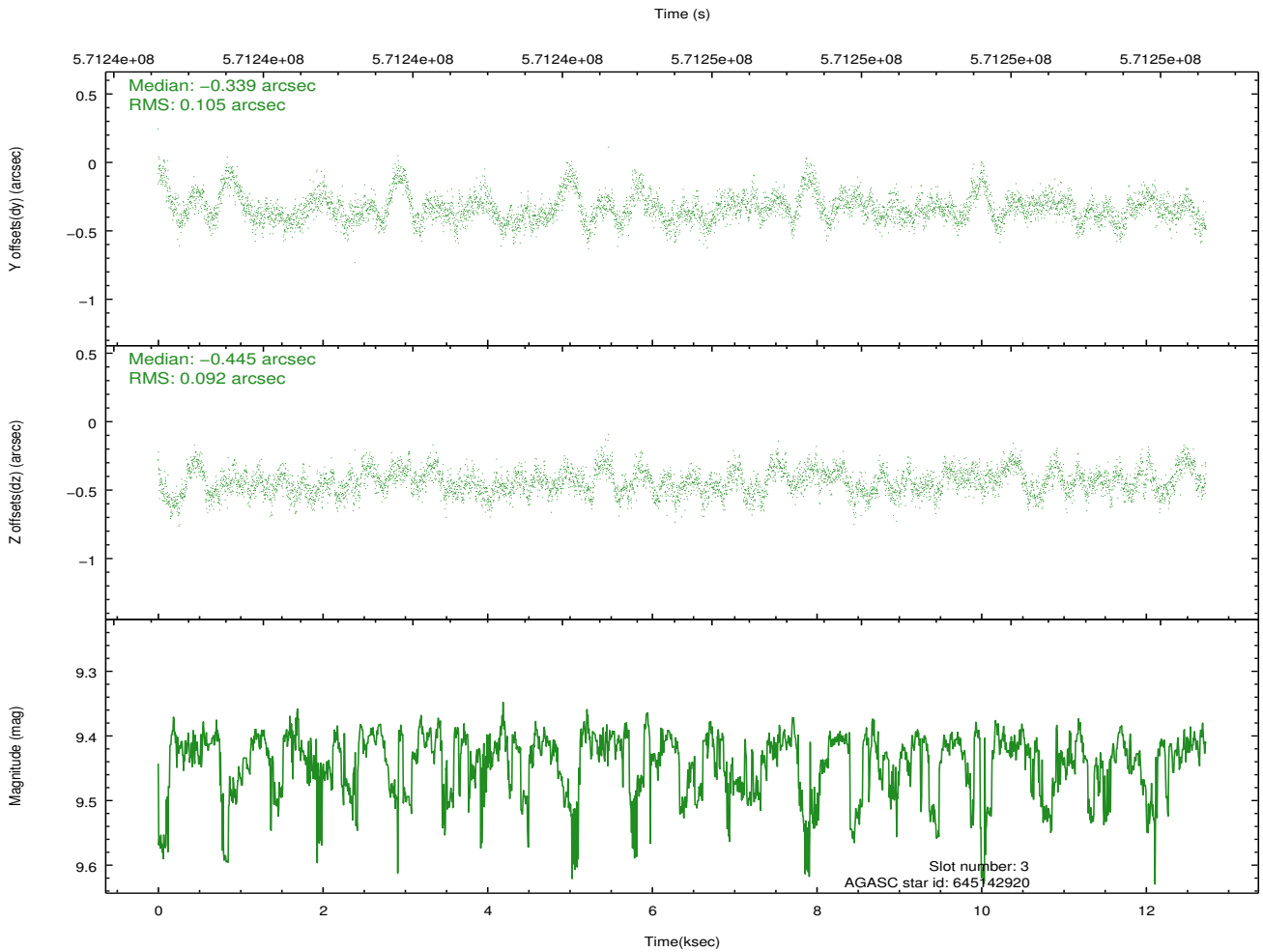
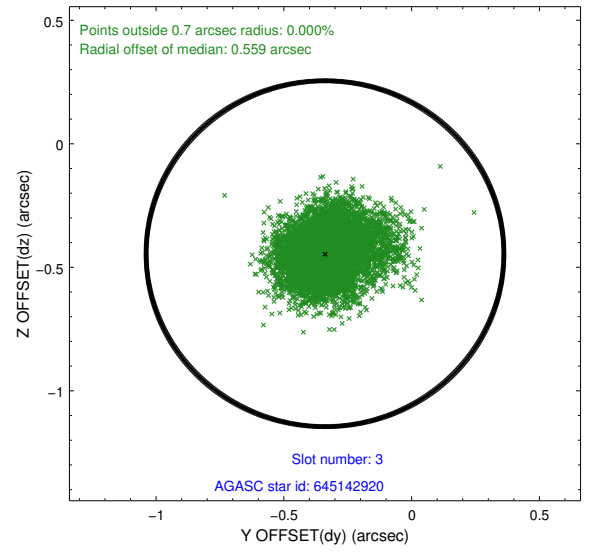
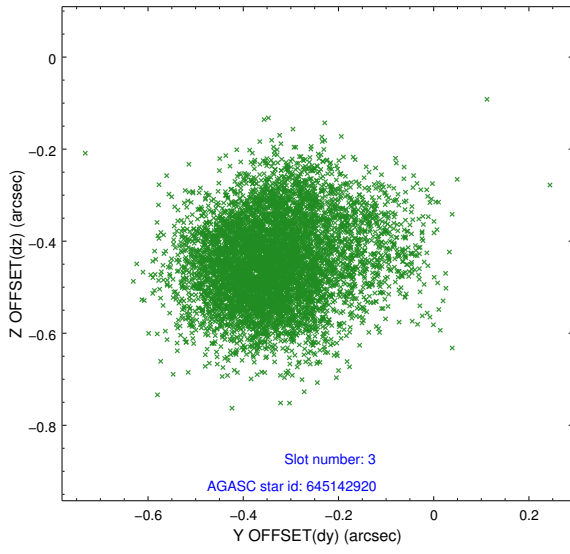
Slot Statistics

lot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_x
0	FID		ACIS-S-2	7.12	3104	-0.175	-0.122	0.009	0.014	0.000000	0.000000	-769.40	-1740.66
1	FID		ACIS-S-4	7.23	3105	0.404	0.117	0.006	0.011	0.000000	0.000000	2144.27	167.68
2	FID		ACIS-S-5	7.24	3104	-0.261	0.014	0.009	0.014	0.000000	0.000000	-1821.85	161.66
3	GUIDE	used	645142920	9.43	6205	-0.339	-0.445	0.145	0.245	169.747386	-2.326684	2040.59	1791.05
4	GUIDE	used	645531256	9.88	6202	0.272	0.127	0.193	0.301	169.502056	-3.192608	-1047.77	815.82
5	GUIDE	used	645532072	9.72	6202	-0.102	-0.040	0.172	0.275	169.848696	-2.789282	849.29	572.42
6	BAD	used	645536208	10.16	5486	0.084	-0.015	0.217	0.383	169.964404	-3.851914	-2117.29	-1878.65
7	GUIDE	used	645662328	9.38	6199	0.095	0.376	0.135	0.224	170.133492	-2.898171	1083.90	-498.77

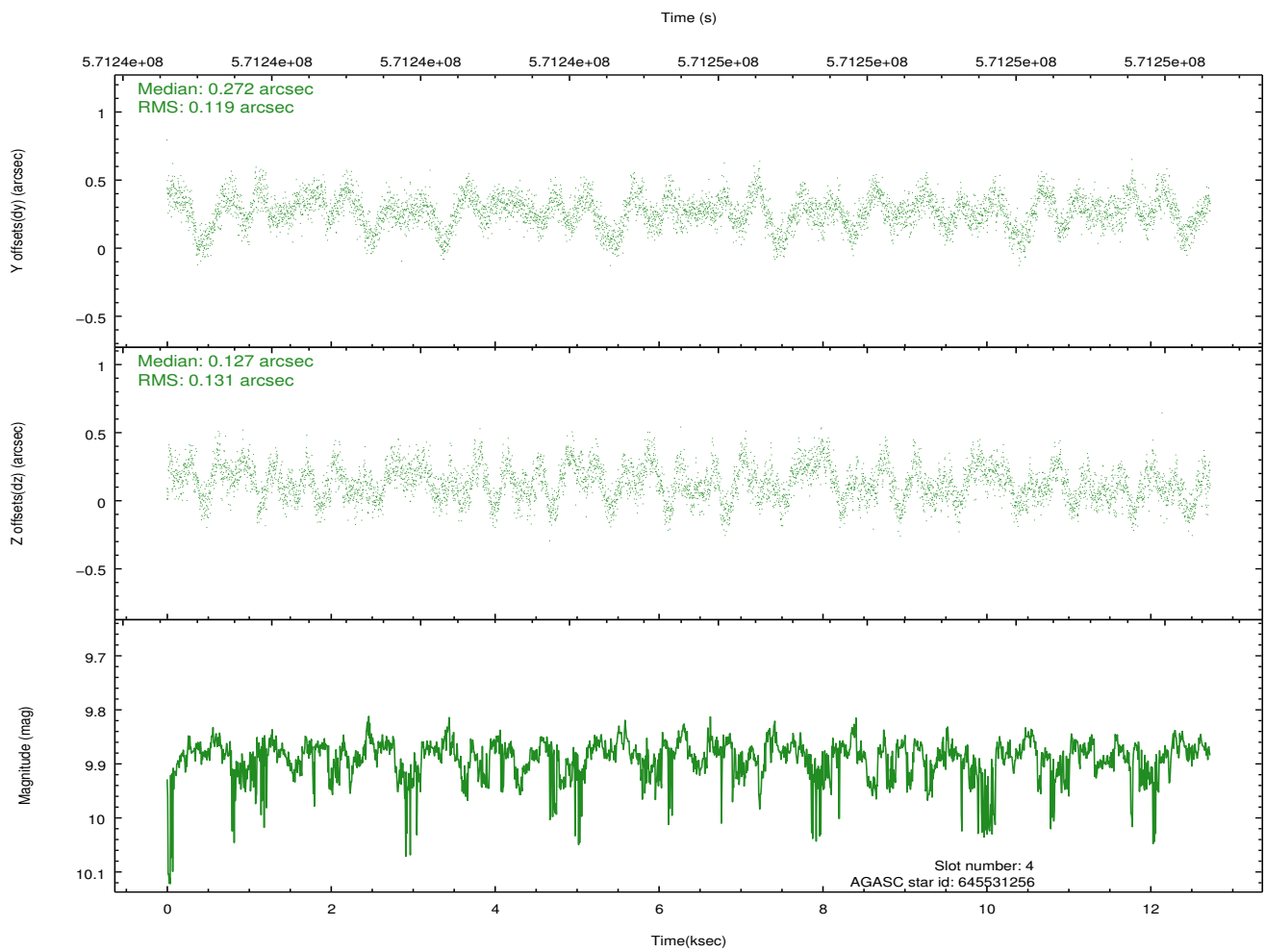
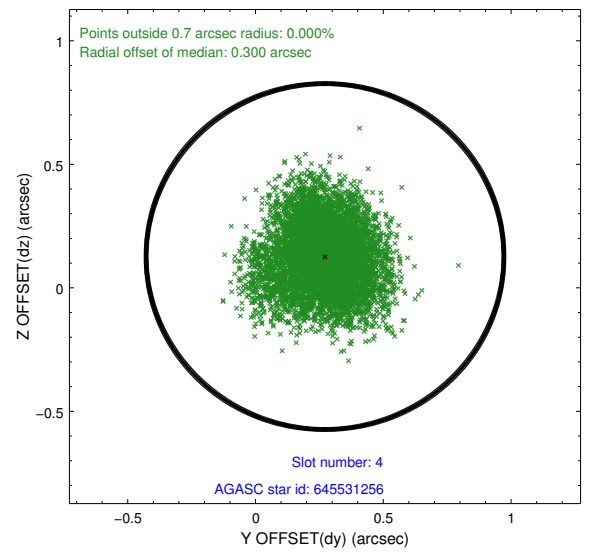
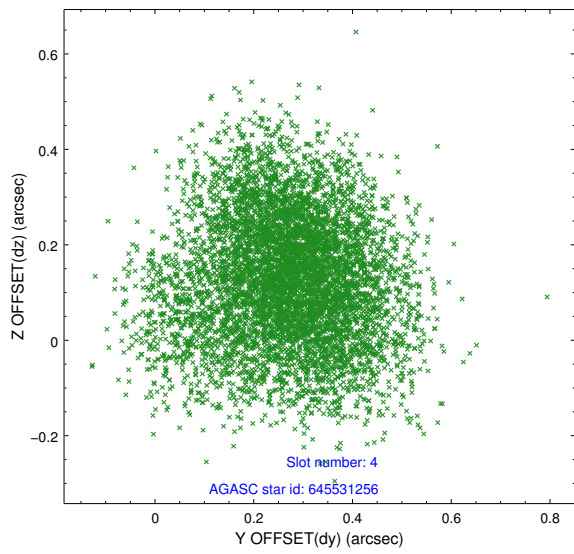
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2.4 Star Slots

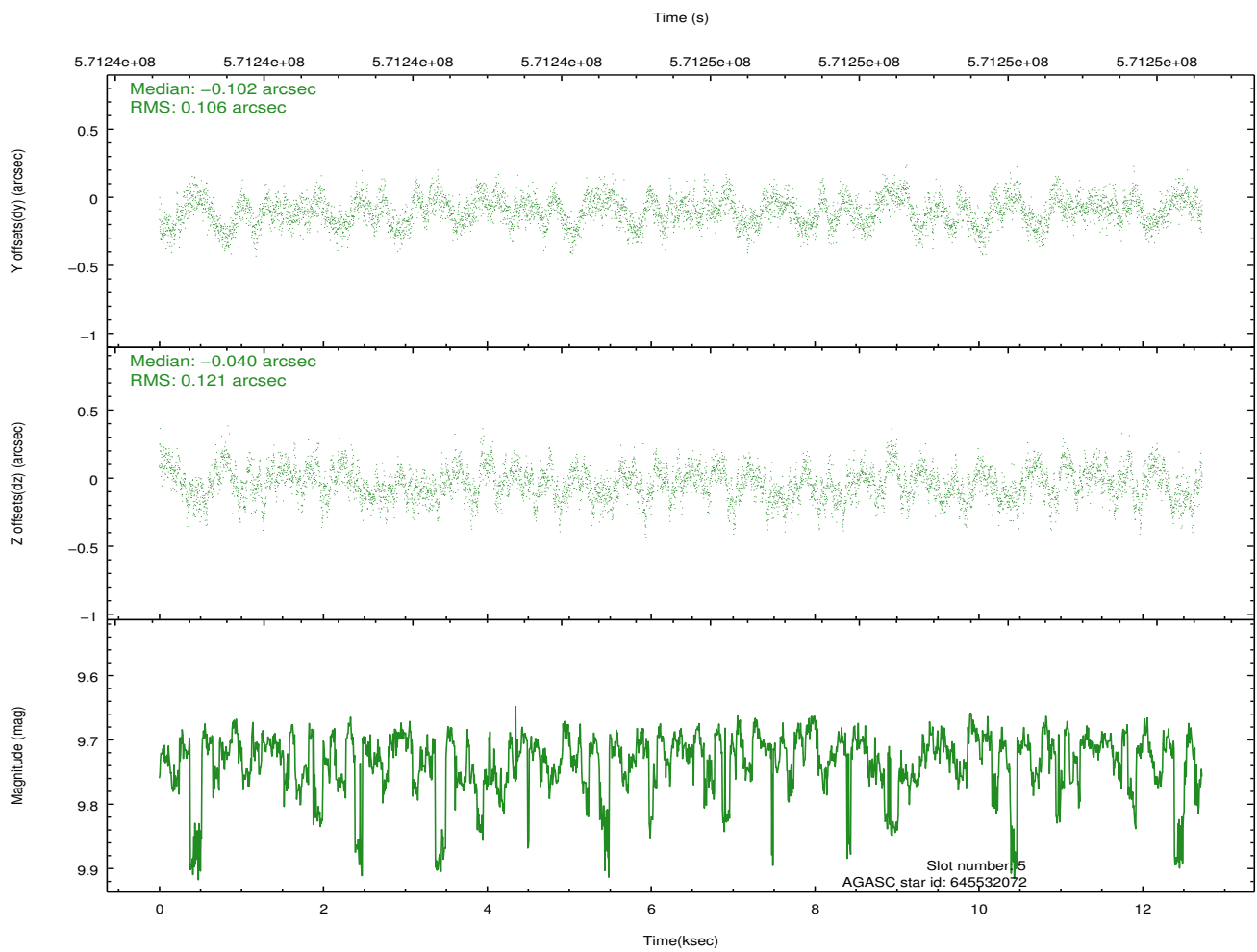
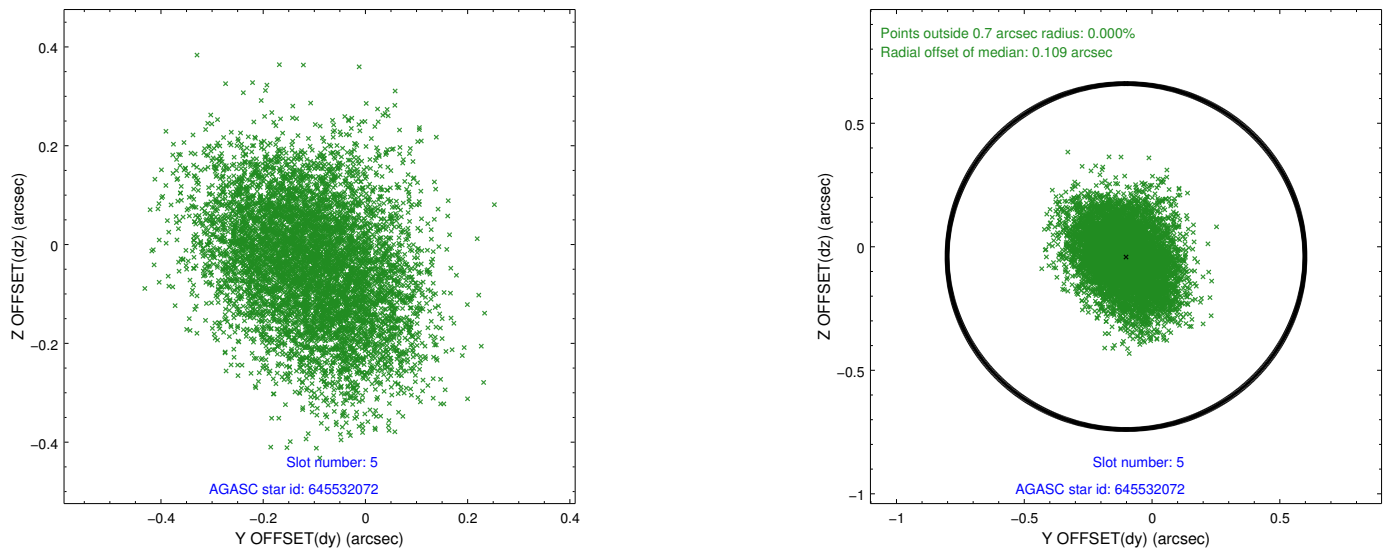
2.4.1 Slot 3



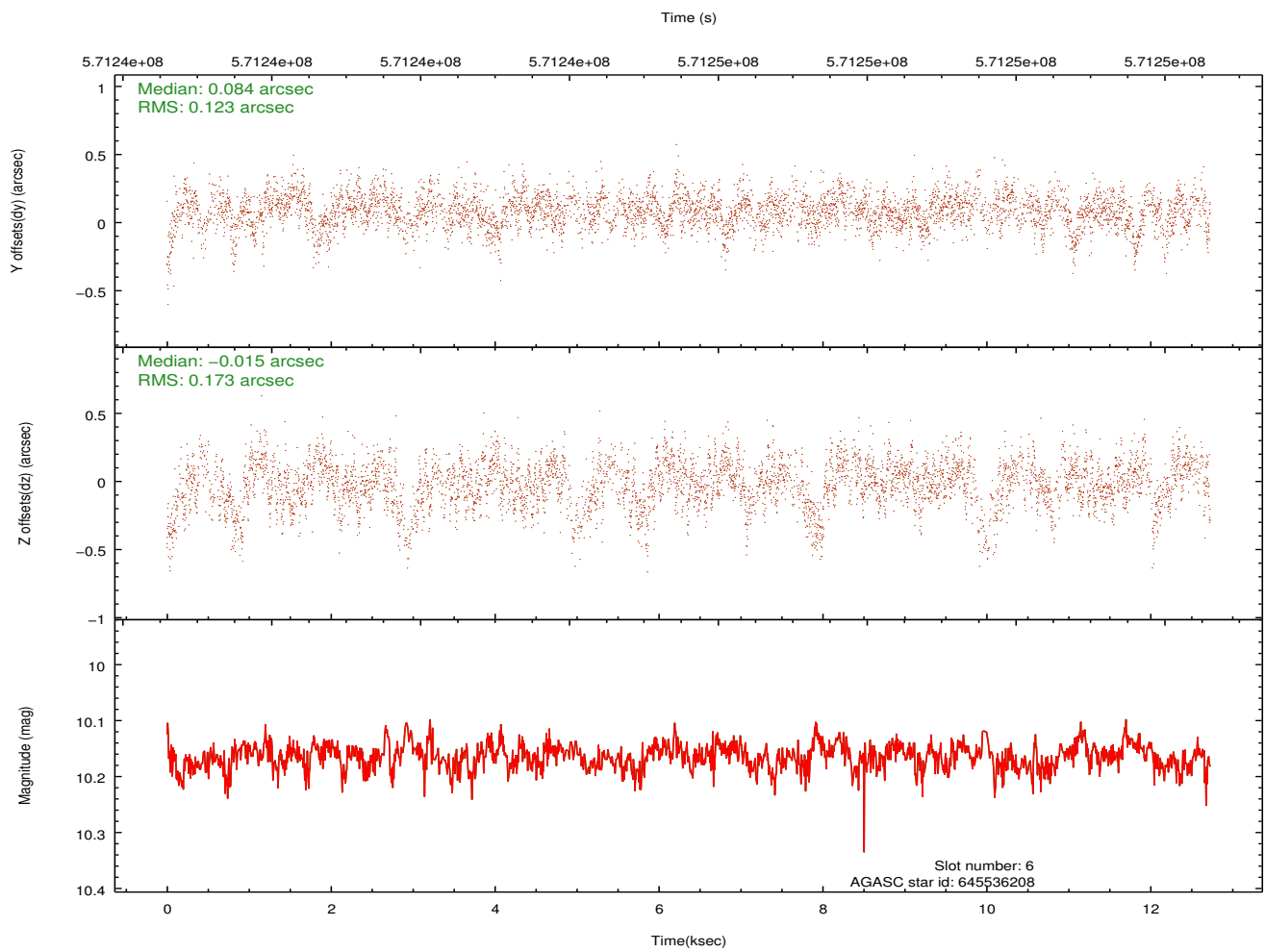
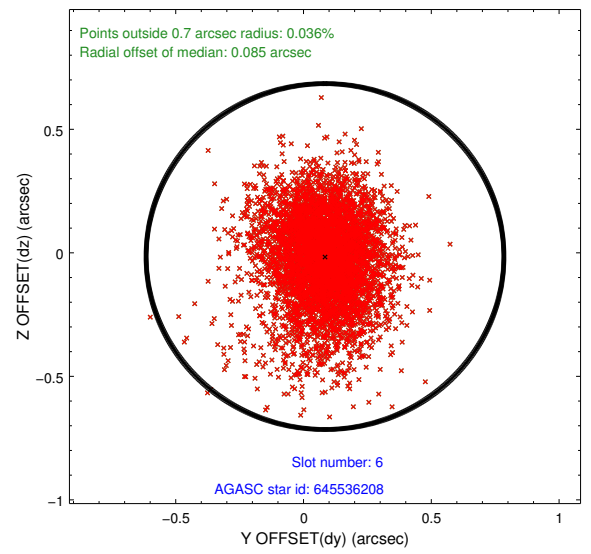
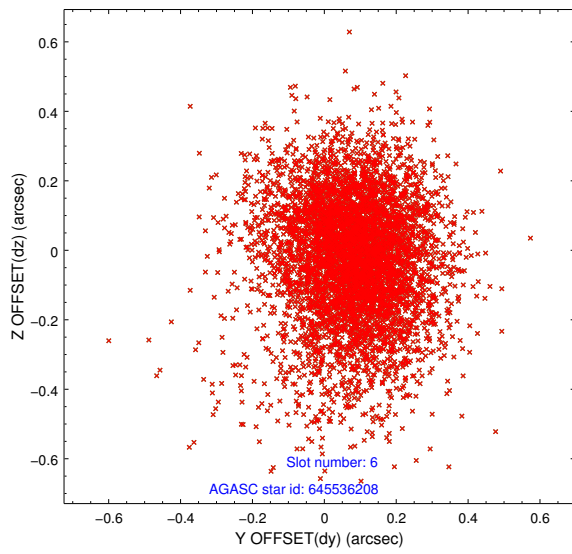
2.4.2 Slot 4



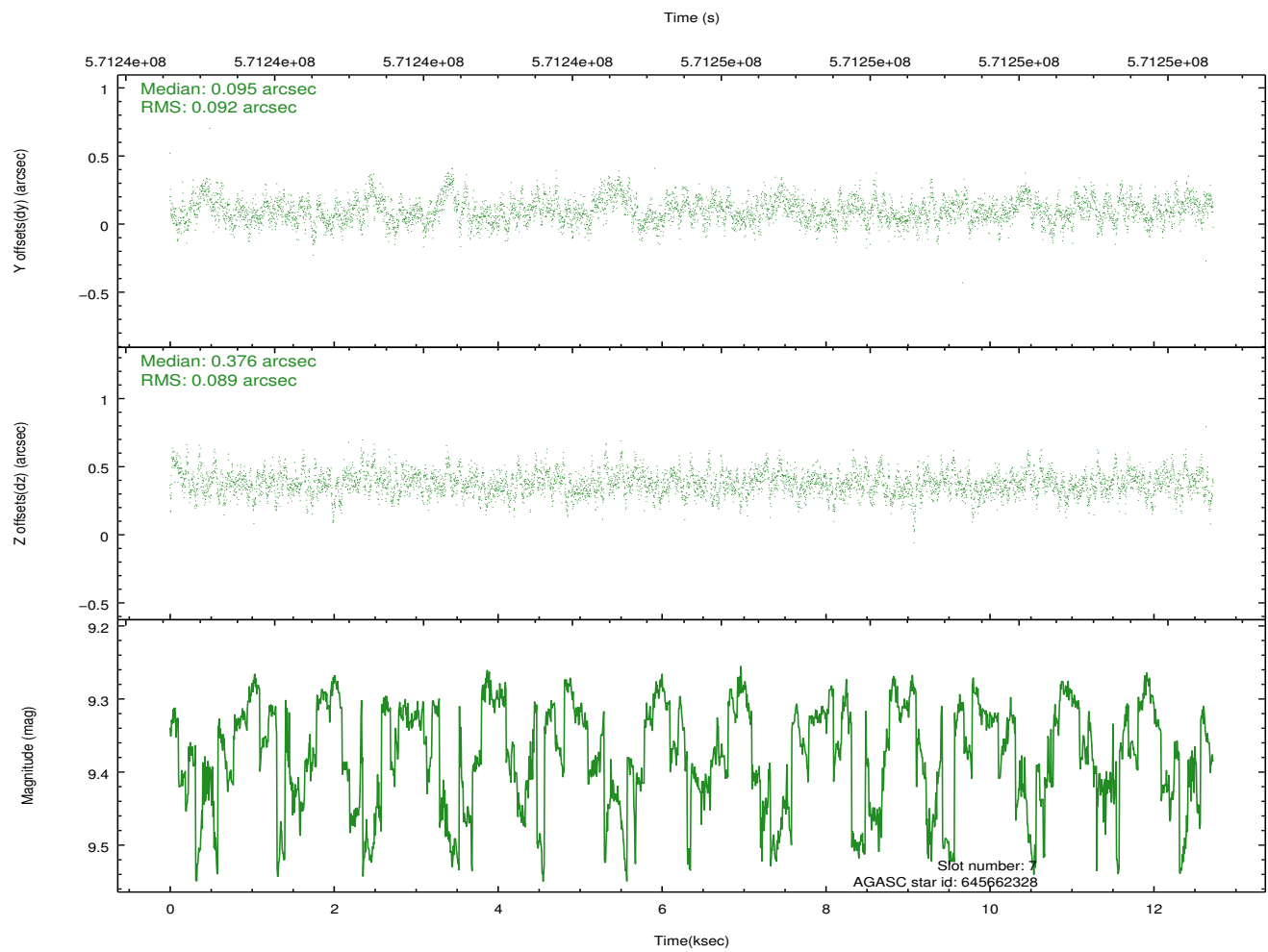
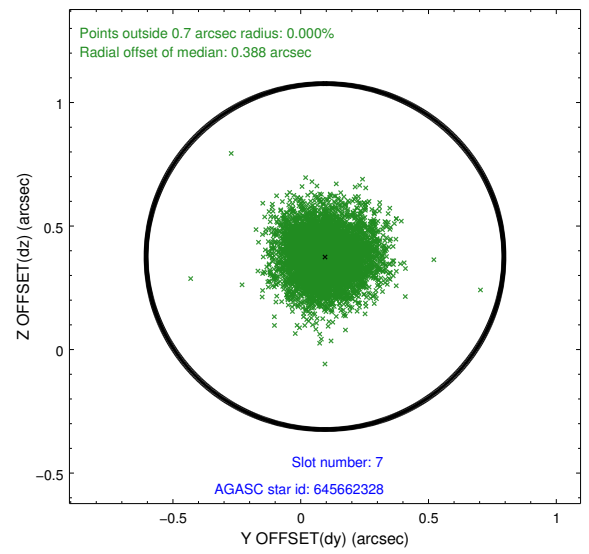
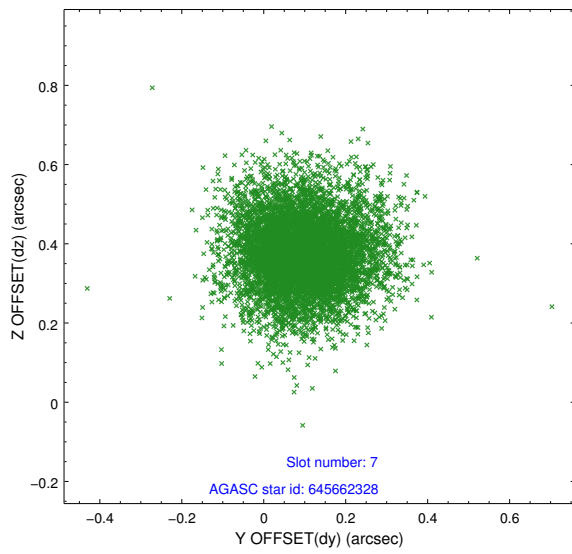
2.4.3 Slot 5



2.4.4 Slot 6

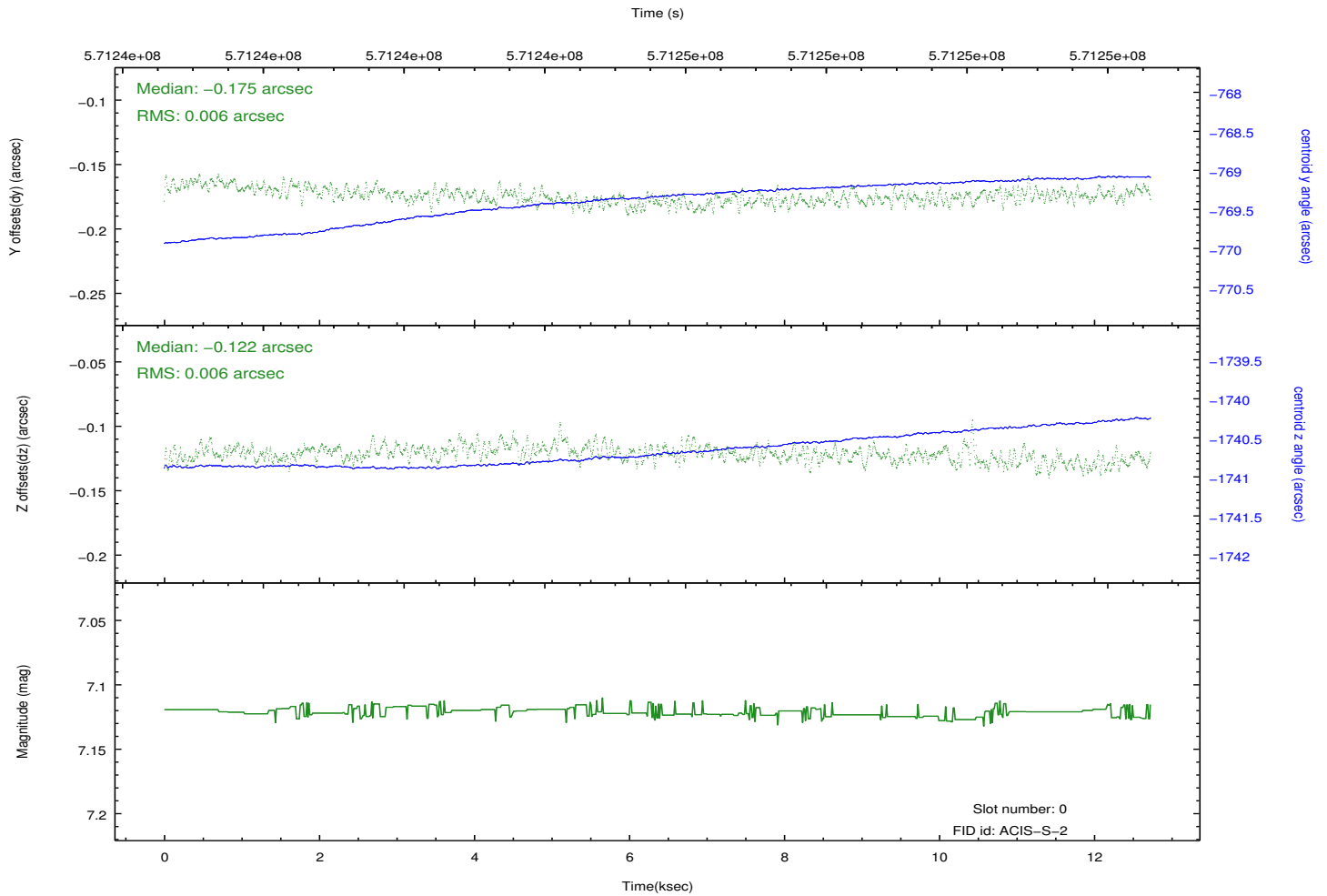
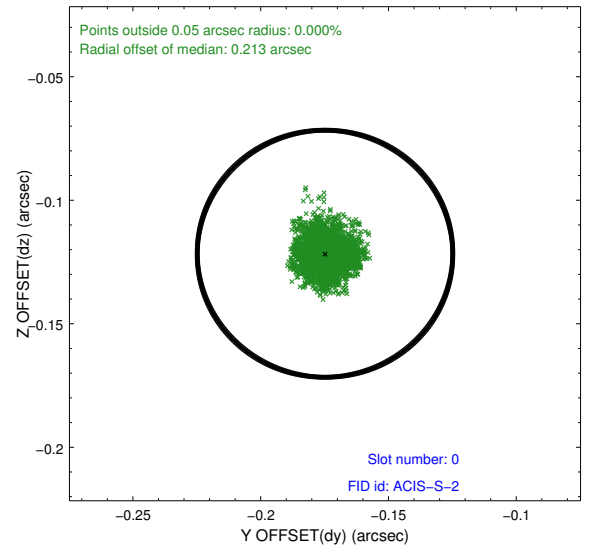
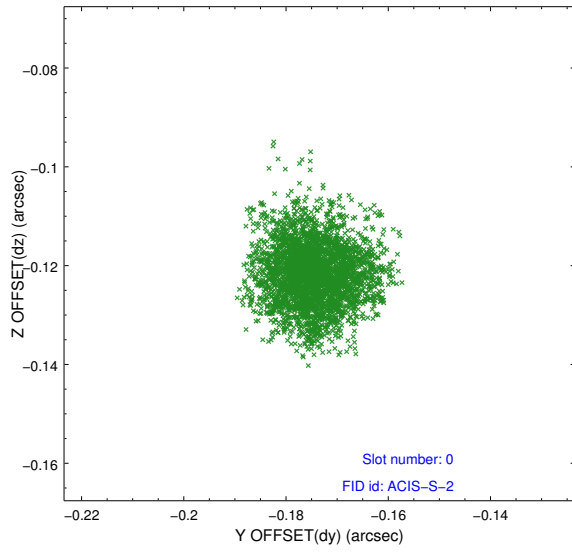


2.4.5 Slot 7

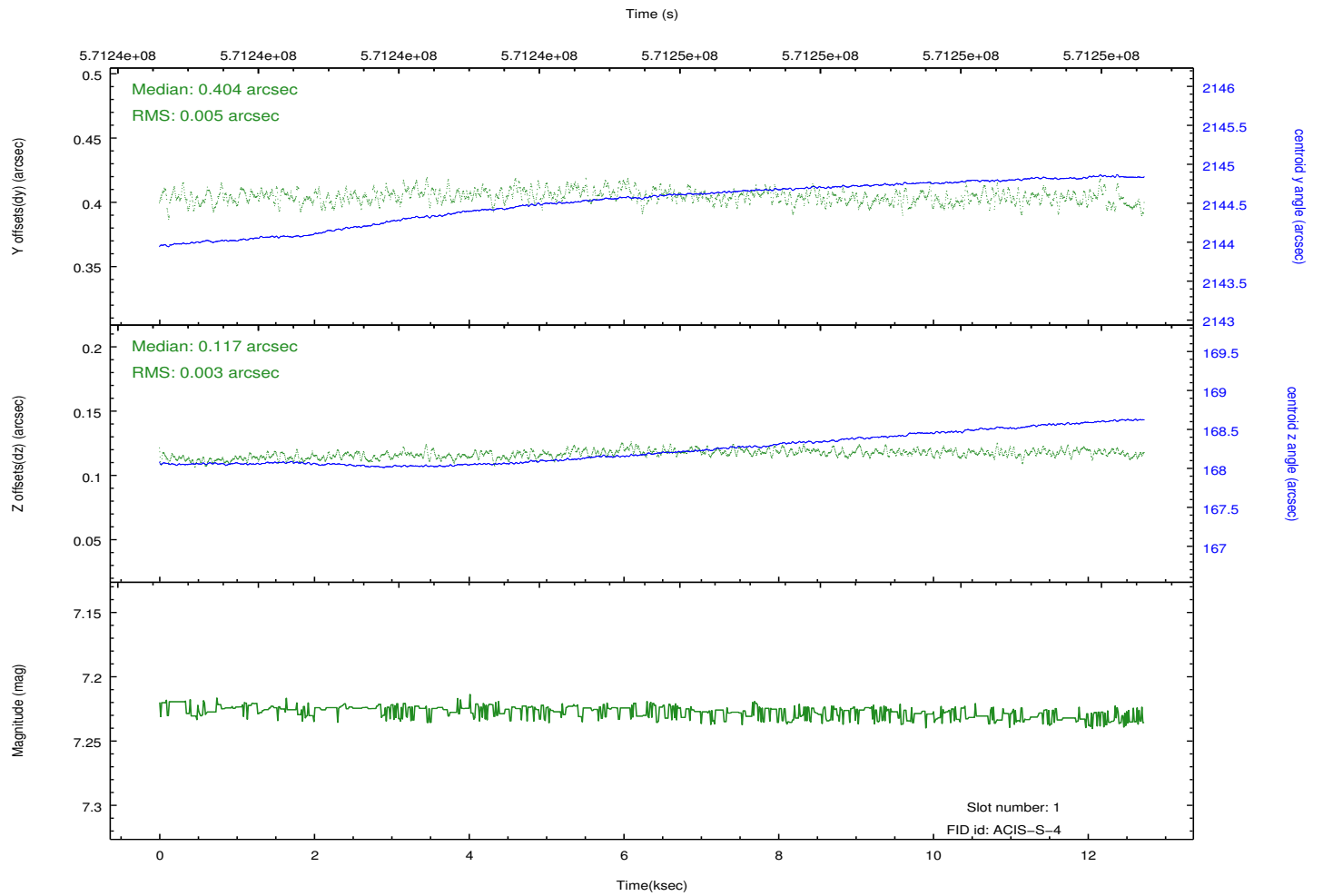
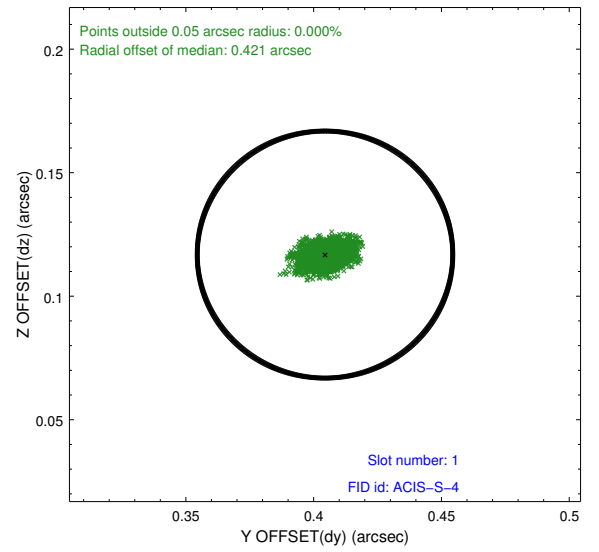
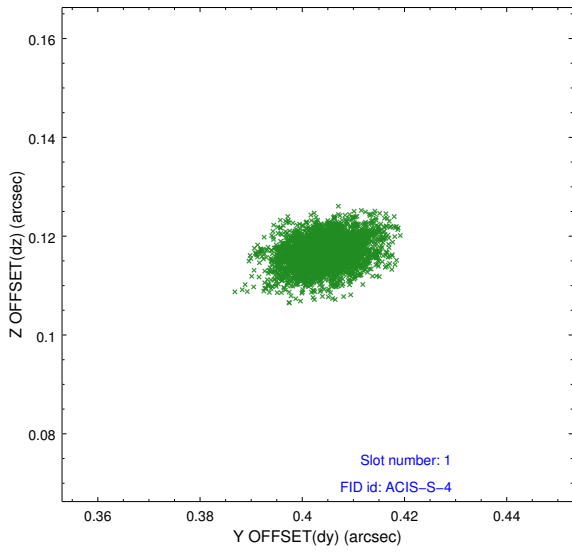


2.5 FID Slots

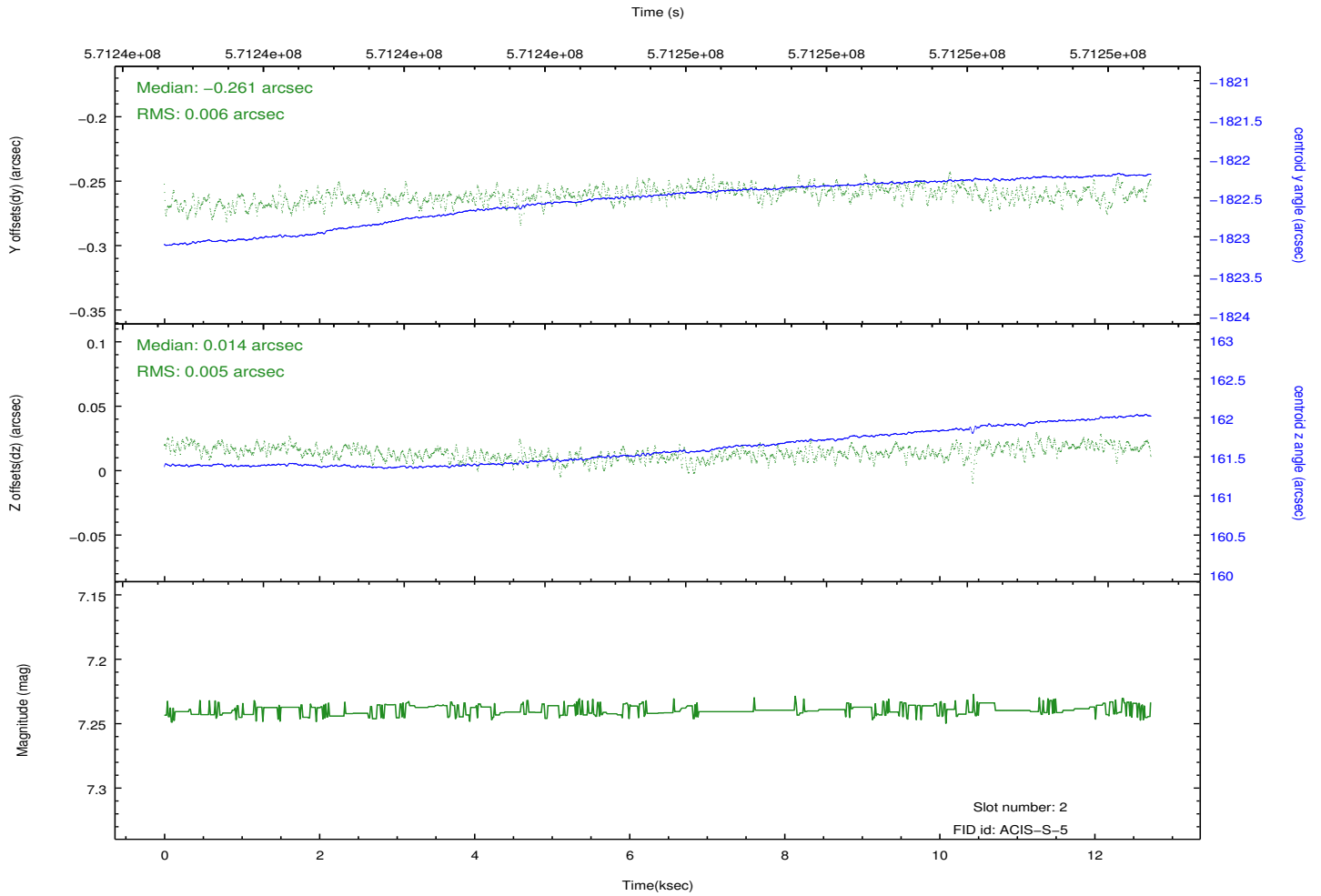
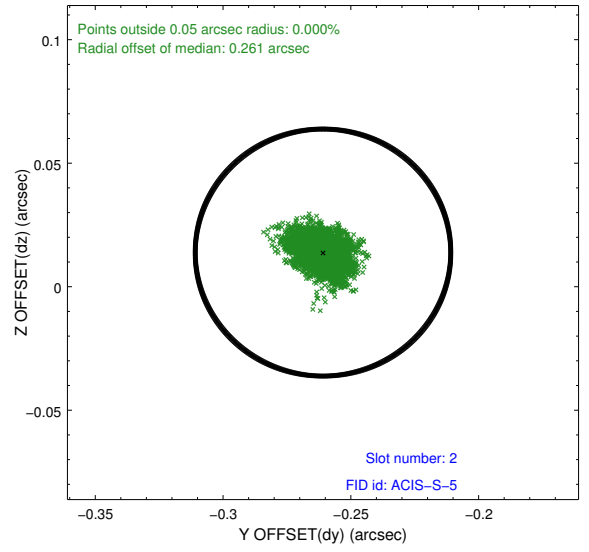
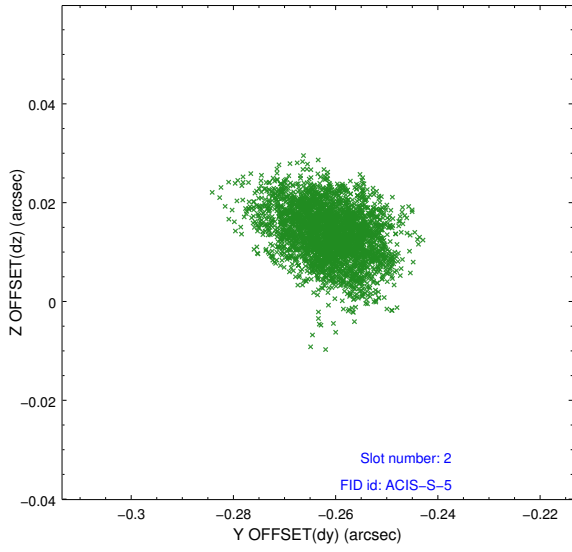
2.5.1 Slot 0



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)	2016.02.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.073355320334

A.2 Comments