

V&V Reference Report

L2 ASCDS Version : 10.4.3

Observation 18094 - L2 Version 1
Chandra X-Ray Center

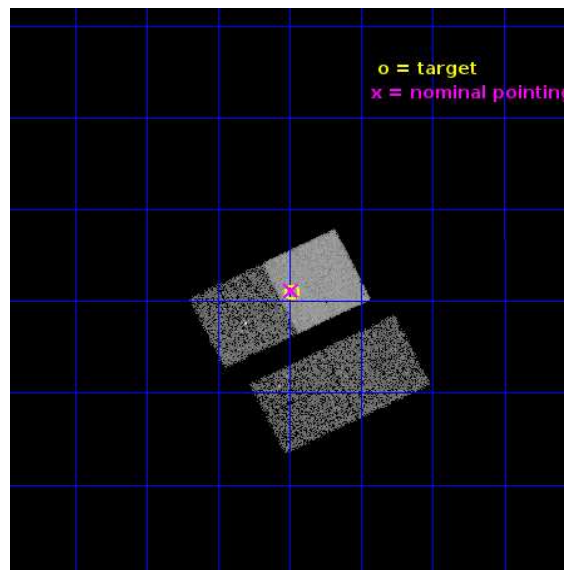
L2 Processing Date : Dec 15 2015

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1 Front

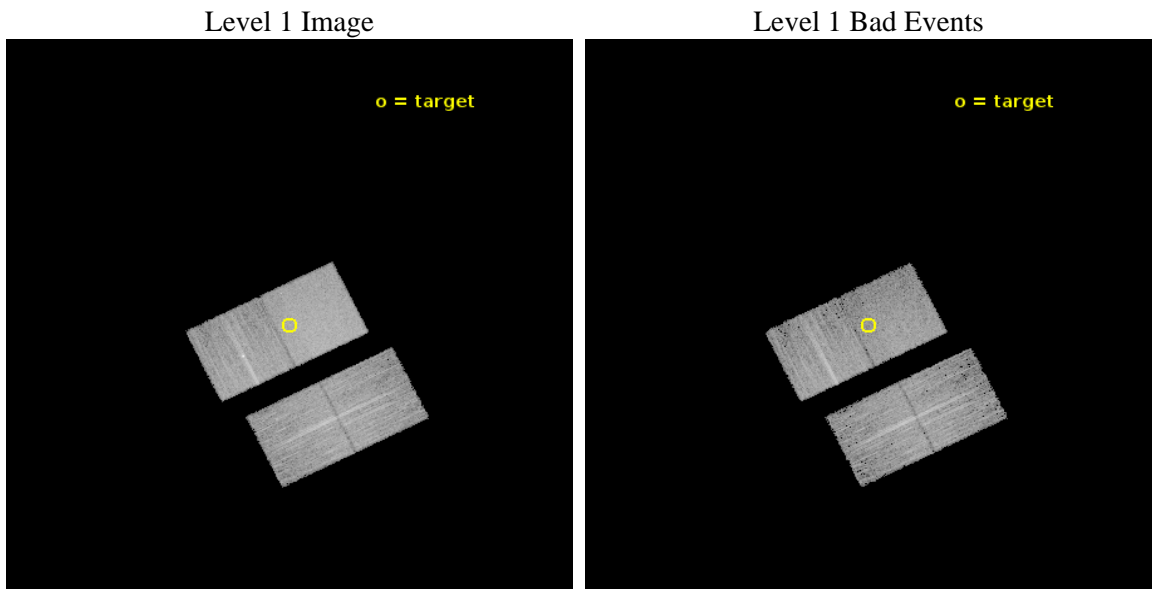
seq_num	703160	Sequence number
obs_id	18094	Observation id
title	Extending the Extragalactic 3CR Chandra Survey to z=1.5	Proposal t
observer	Francesco Massaro	Principal investigator
object	3CR 124	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	70.495833	Observer's specified target RA [deg]
dec_targ	1.350361	Observer's specified target Dec [deg]
ra_nom	70.496838233712	Nominal RA [deg]
dec_nom	1.3525113881033	Nominal Dec [deg]
roll_nom	333.71607296742	Nominal Roll [deg]
revision	1	Processing version of data
ontime	12077.243368983	Sum of GTIs [s]
livetime	11919.44529323	Livetime [s]
ontime2	12077.120249033	Sum of GTIs [s]
ontime3	12077.161288977	Sum of GTIs [s]
ontime6	12077.20232904	Sum of GTIs [s]
ontime7	12077.243368983	Sum of GTIs [s]
l2events	55548	Number of level 2 events



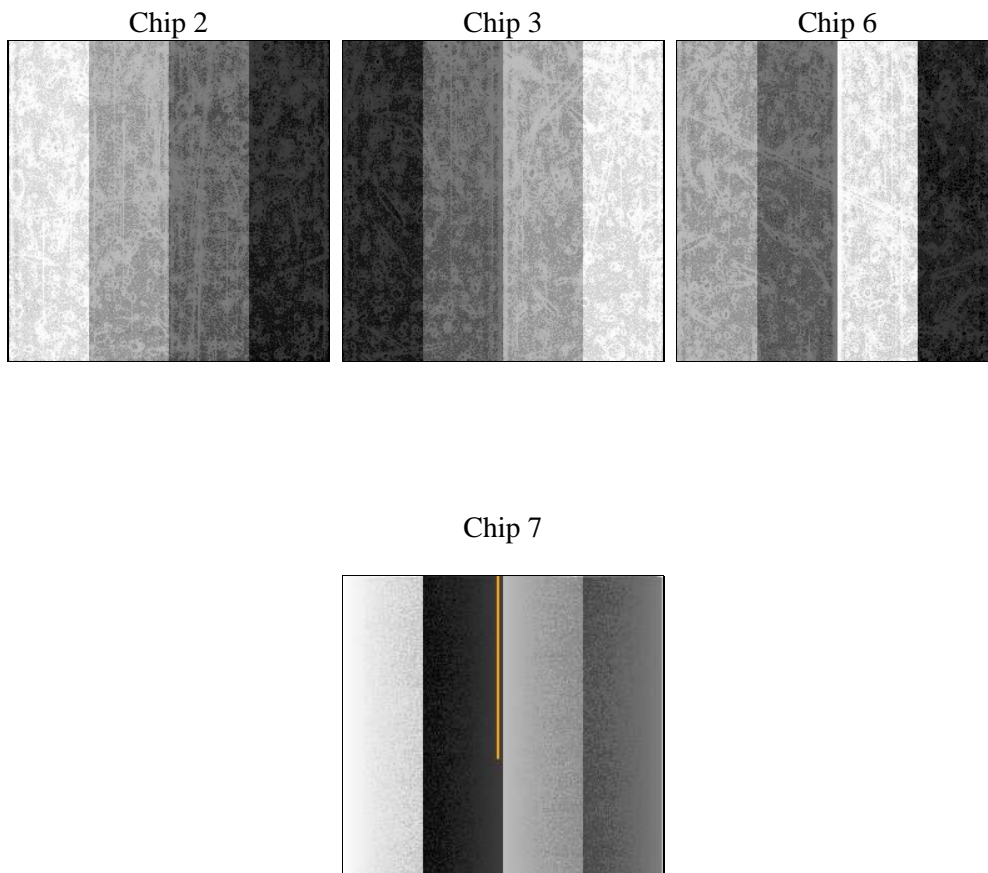
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	12000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3	Processing system revision	ontime	12077.243368983	Sum of GTIs [s]
caldsver	4.7.0	 	ontime2	12077.120249033	Sum of GTIs [s]
date	2015-12-16T02:23:48	Date and time of file creation	ontime3	12077.161288977	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	12077.20232904	Sum of GTIs [s]
			ontime7	12077.243368983	Sum of GTIs [s]
			l1events	278726	Number of level 1 events

2.1.4 Events

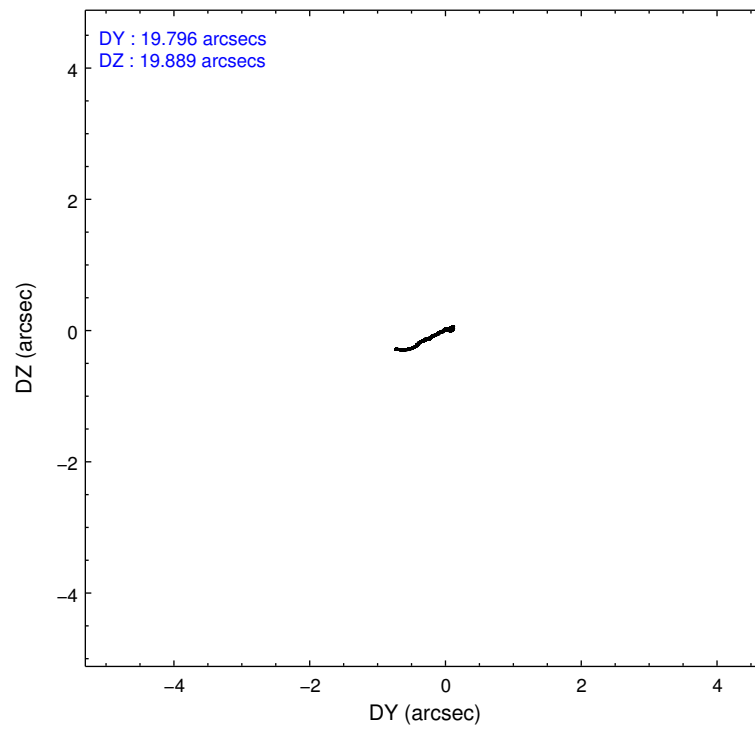
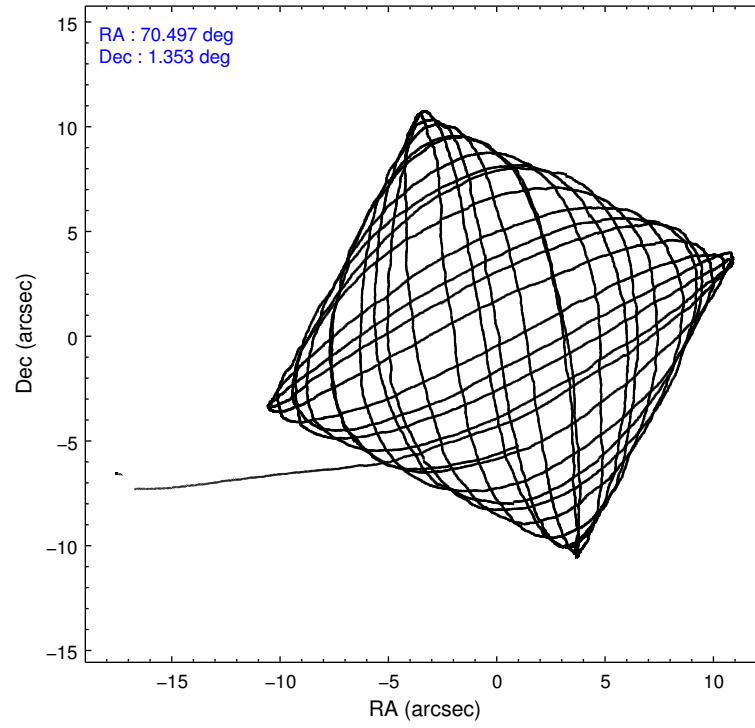
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	64666	61708	66461	85891
rejected events	57470	54985	58336	48564
rejected %	88%	89%	87%	56%

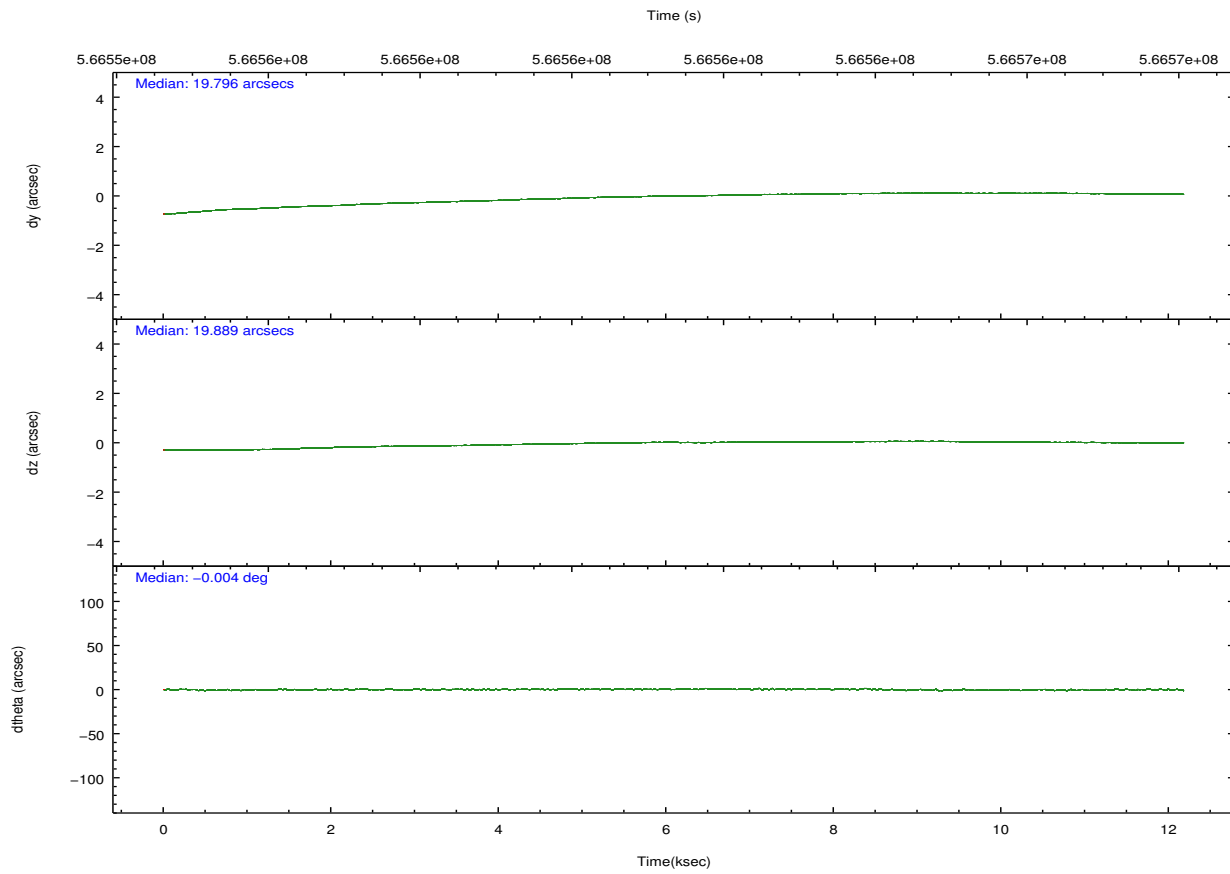
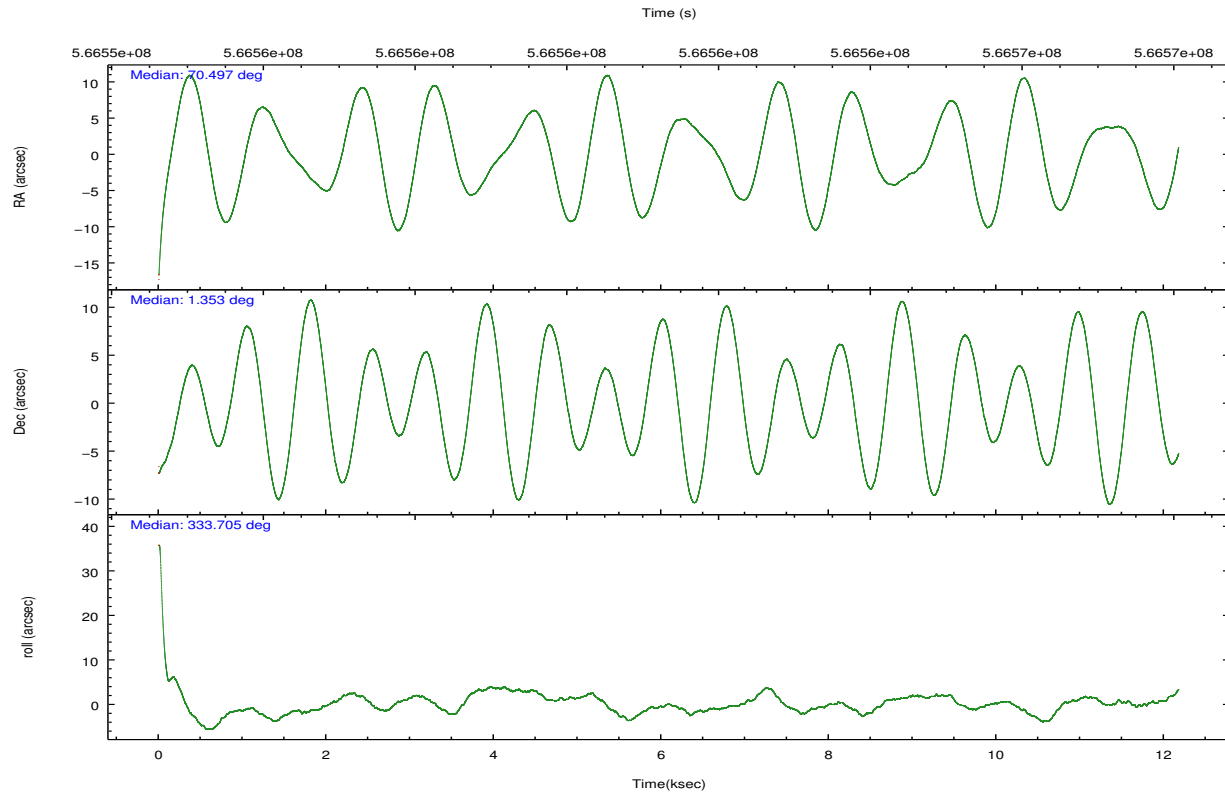
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2566	2337	3089	3303
	3%	3%	4%	3%
grade 1 events	27	33	30	139
	0%	0%	0%	0%
grade 2 events	1762	1464	1766	7619
	2%	2%	2%	8%
grade 3 events	696	717	745	3009
	1%	1%	1%	3%
grade 4 events	718	765	729	3013
	1%	1%	1%	3%
grade 5 events	2601	3329	3197	8637
	4%	5%	4%	10%
grade 6 events	1457	1443	1796	20392
	2%	2%	2%	23%
grade 7 events	54839	51620	55109	39779
	84%	83%	82%	46%

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	70.469482	70.49683823371203	CCD I2 on	O1	Y
[deg] Pointing Dec	1.350382	1.35251138810333	CCD I3 on	O2	Y
[deg] Pointing Roll	333.560062	333.7160729674194	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	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	N	N
[s] Observation start time (MET)	566555448.184000	566554513.2956899	CCD S5 on	N	N
Observation start date	2015-12-15T08:29:40	2015-12-15T08:15:13	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	566567448.184000	566567917.73395	On-chip summing requested	N	N
Observation end date	2015-12-15T11:49:40	2015-12-15T11:58:37	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect





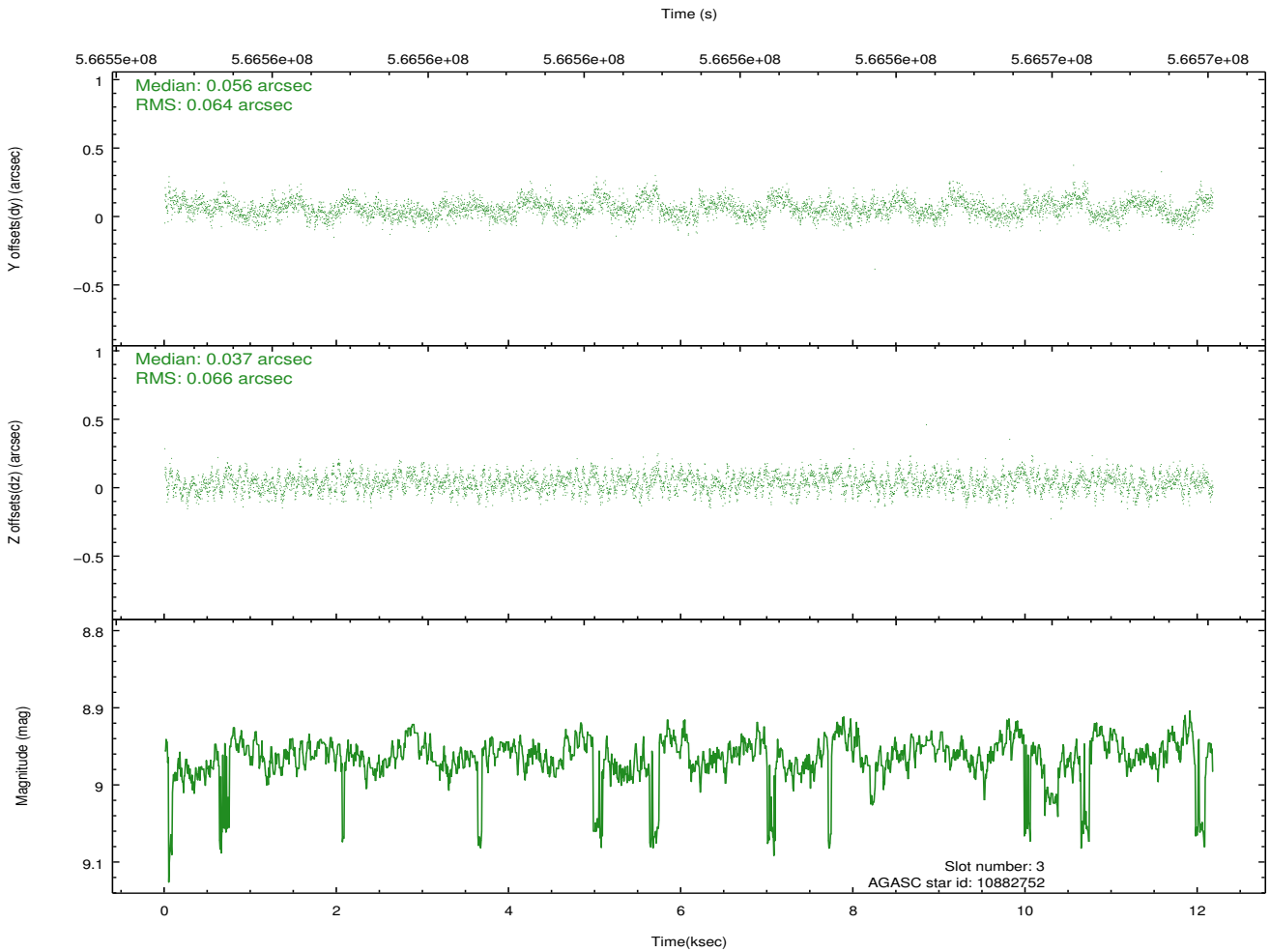
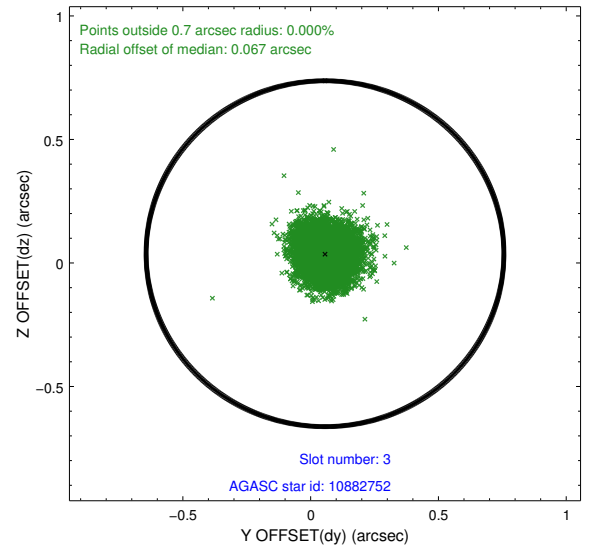
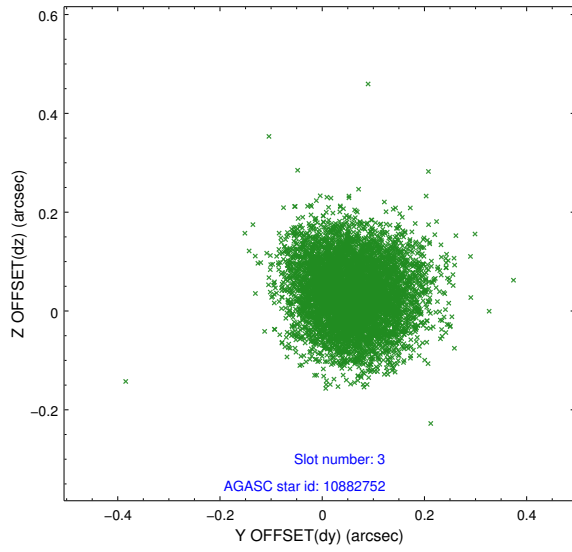
Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.11	2970	-0.232	-0.152	0.012	0.019	0.000000	0.000000	-773.00	-1741.45
1	FID		ACIS-S-4	7.22	2970	0.511	0.153	0.007	0.012	0.000000	0.000000	2140.81	166.94
2	FID		ACIS-S-5	7.23	2970	-0.310	0.009	0.012	0.020	0.000000	0.000000	-1825.42	160.90
3	GUIDE	used	10882752	8.96	5935	0.056	0.037	0.098	0.154	70.649444	1.452071	417.37	616.46
4	GUIDE	used	10883000	8.81	5871	-0.072	-0.341	0.110	0.173	71.233538	1.605238	2053.41	2046.31
5	GUIDE	used	10886680	8.71	5938	0.018	0.216	0.093	0.149	70.486481	0.656871	1167.82	-2207.32
6	GUIDE	used	10889176	8.58	5935	0.035	0.154	0.111	0.189	70.364398	0.816669	518.70	-1891.04
7	GUIDE	used	11410704	8.49	5937	-0.039	-0.066	0.091	0.151	70.384136	1.899596	-1154.67	1633.28

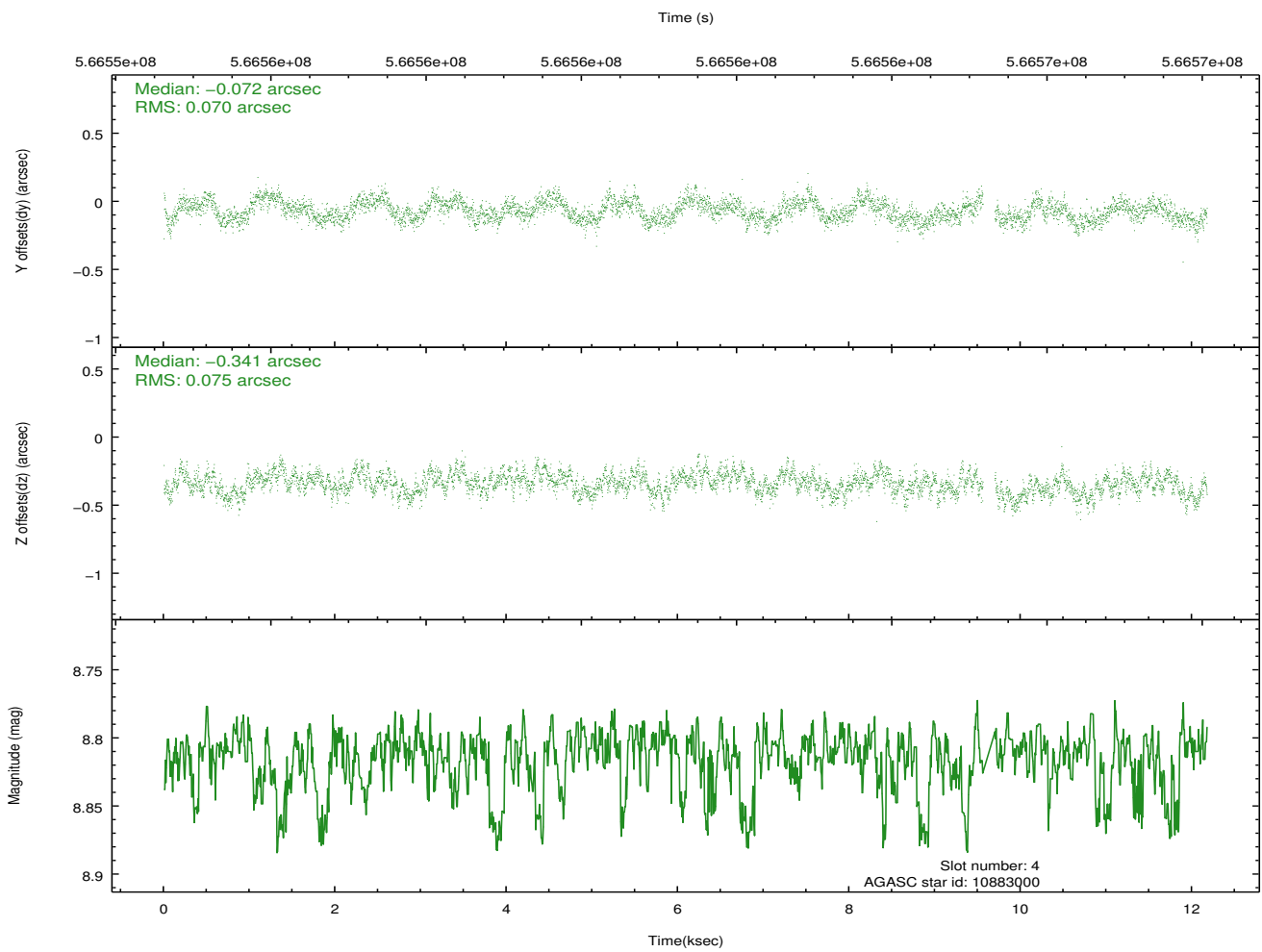
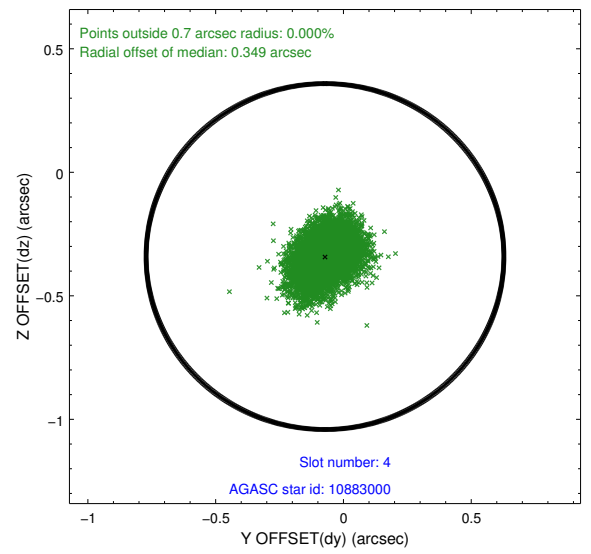
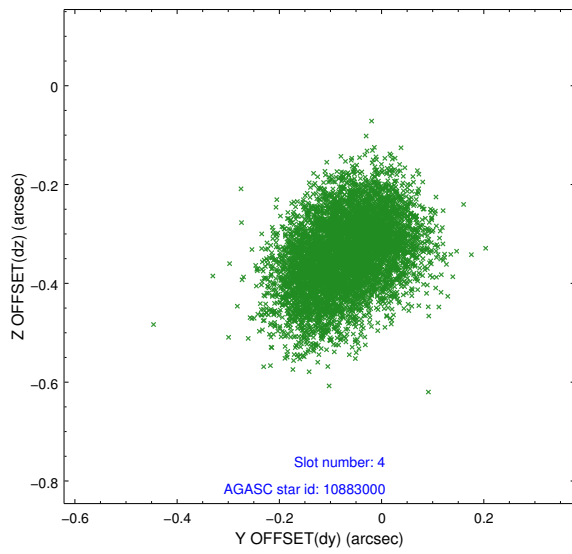
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2.4 Star Slots

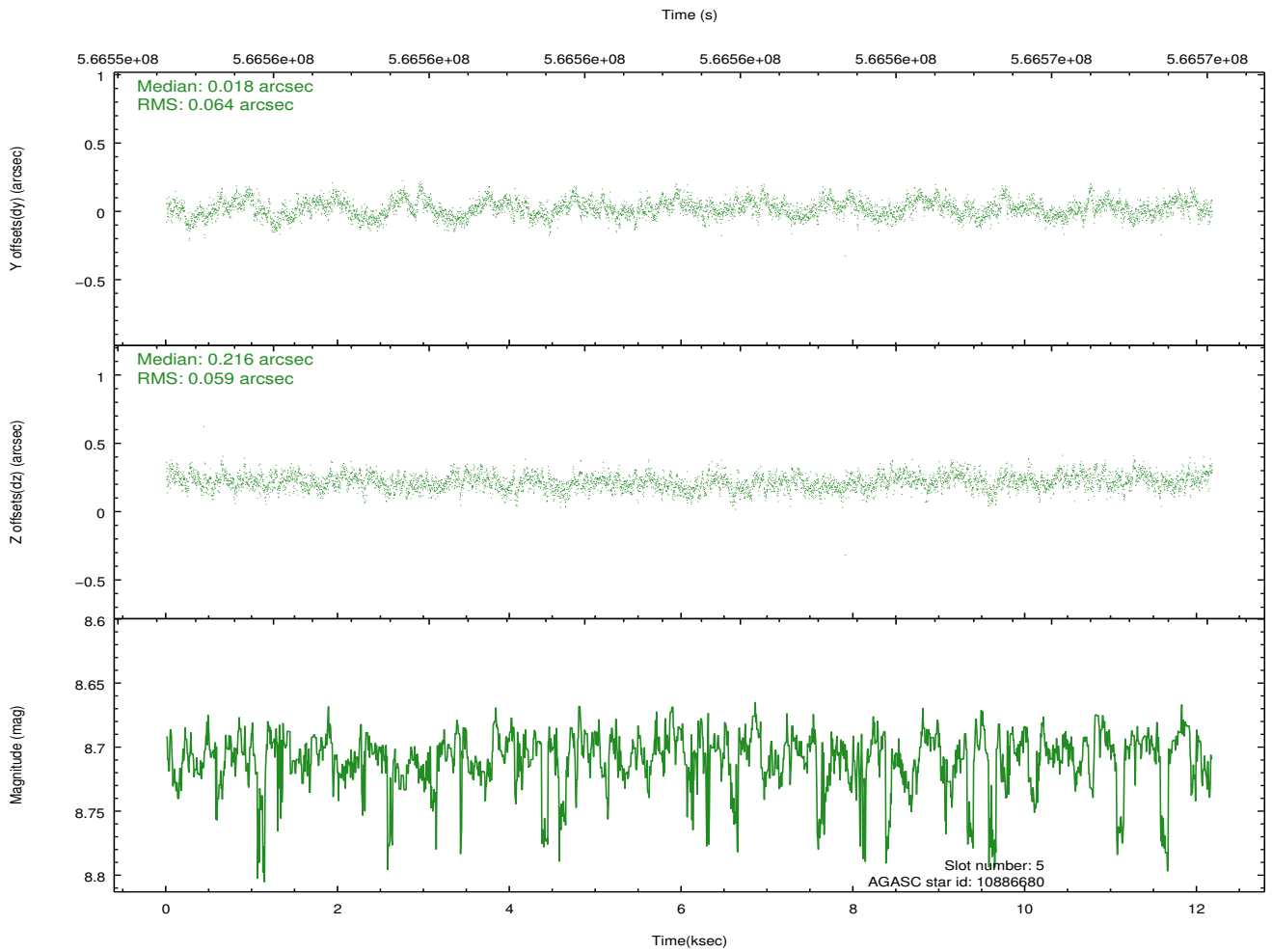
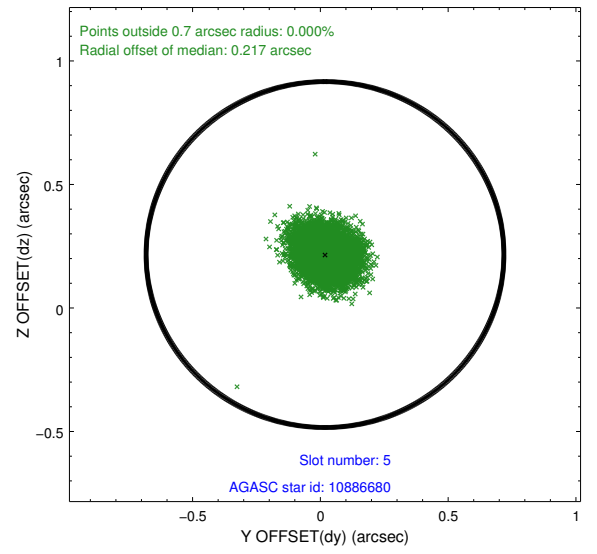
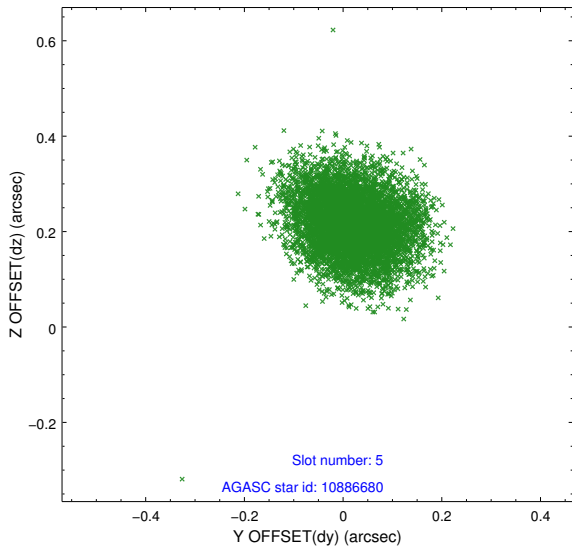
2.4.1 Slot 3



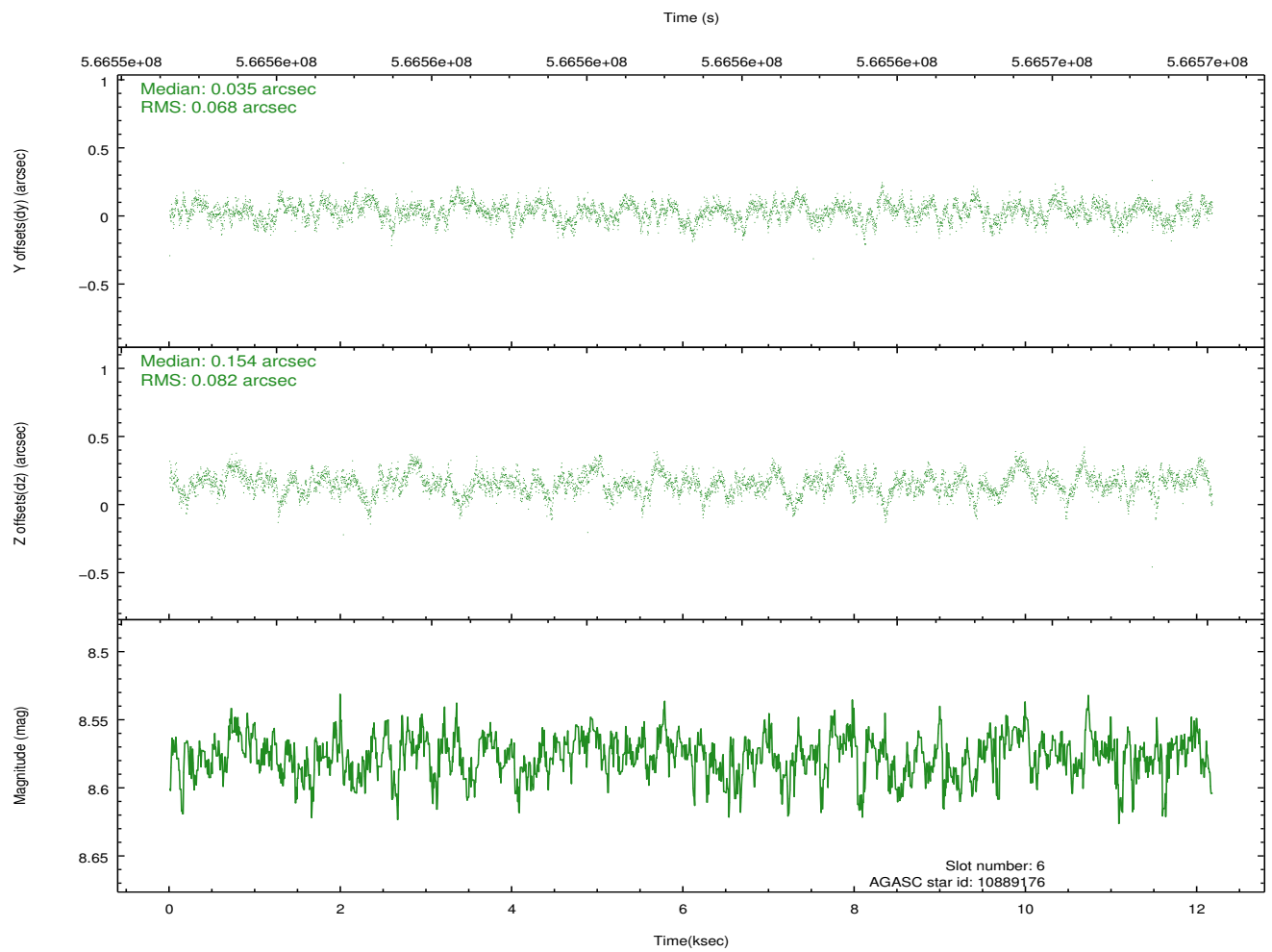
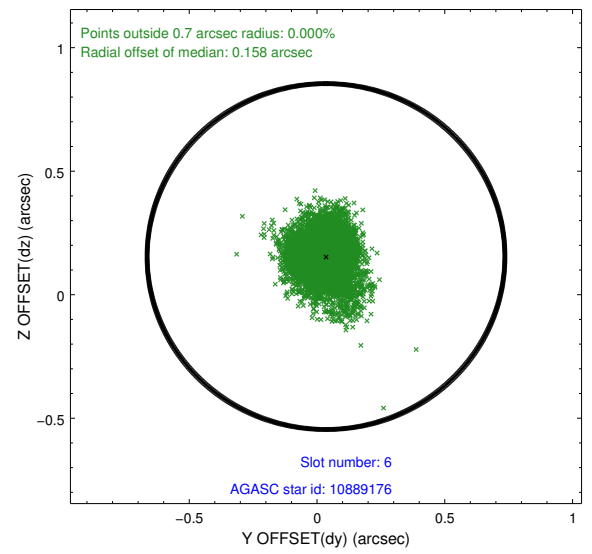
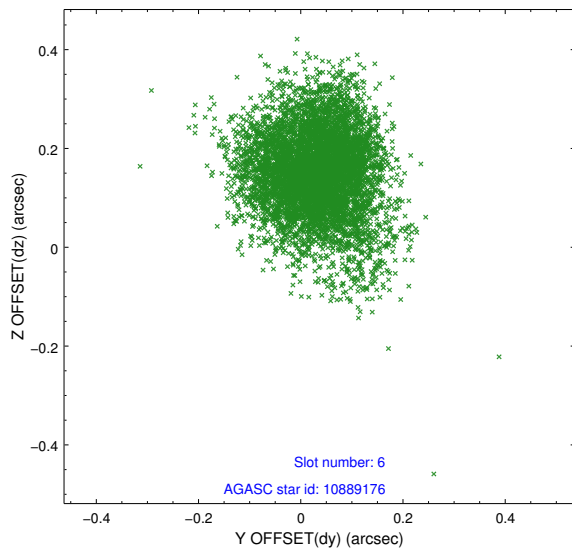
2.4.2 Slot 4



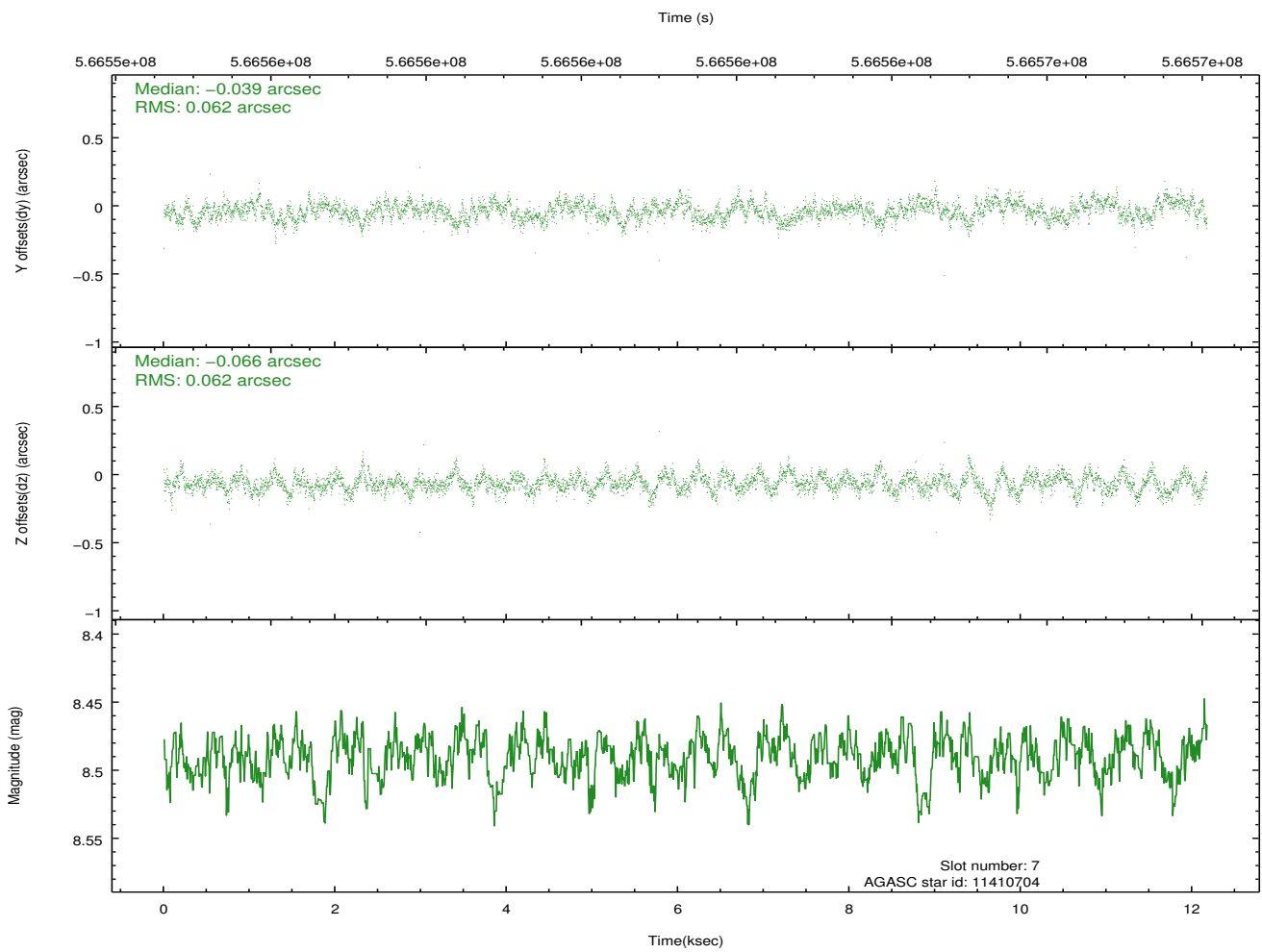
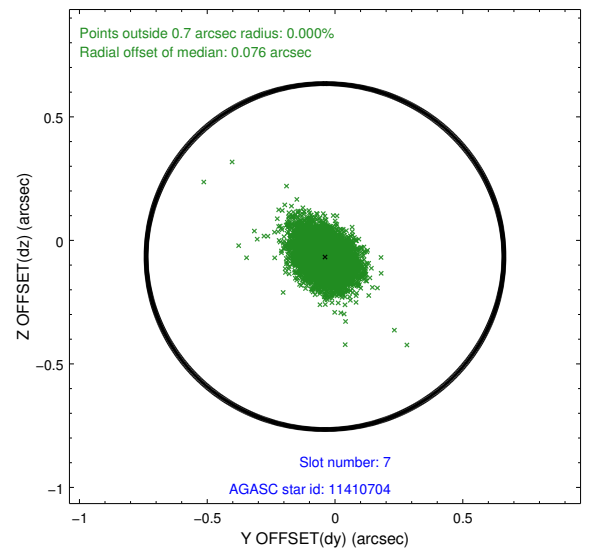
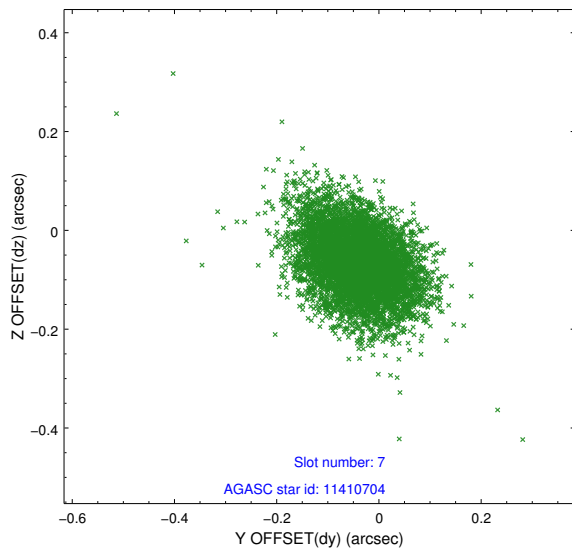
2.4.3 Slot 5



2.4.4 Slot 6

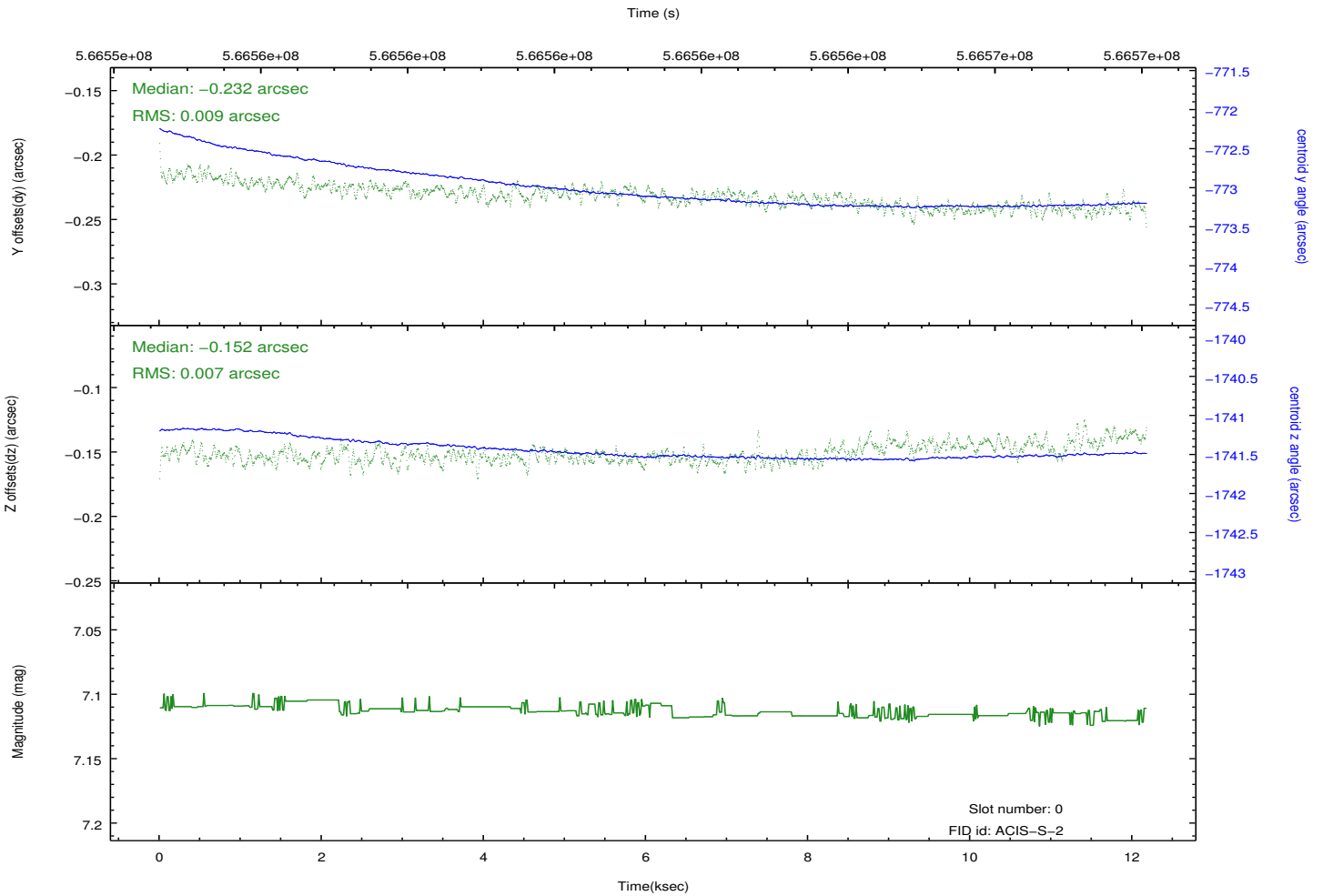
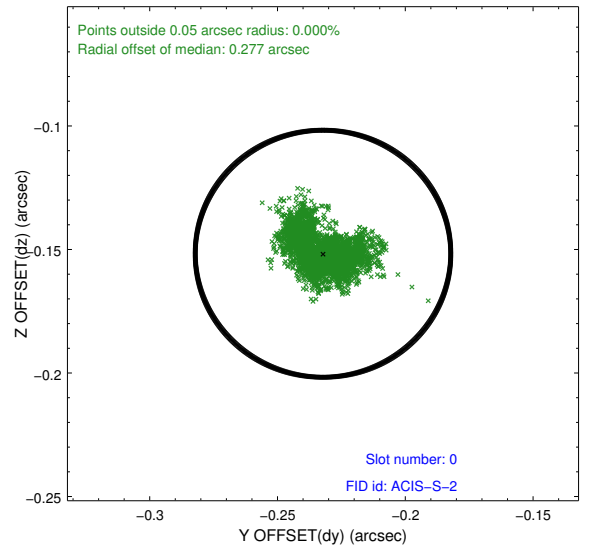
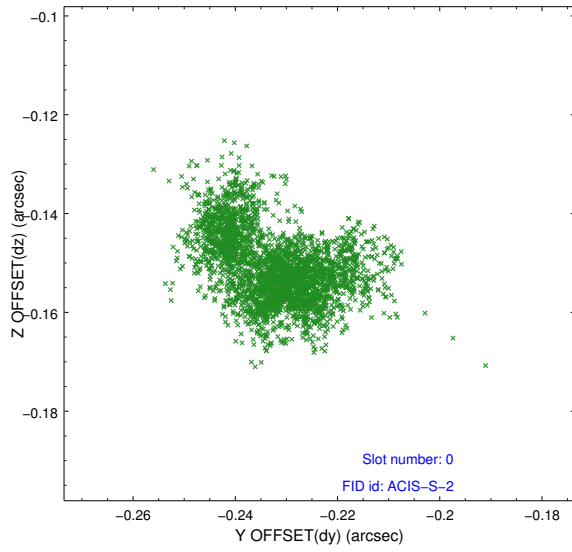


2.4.5 Slot 7

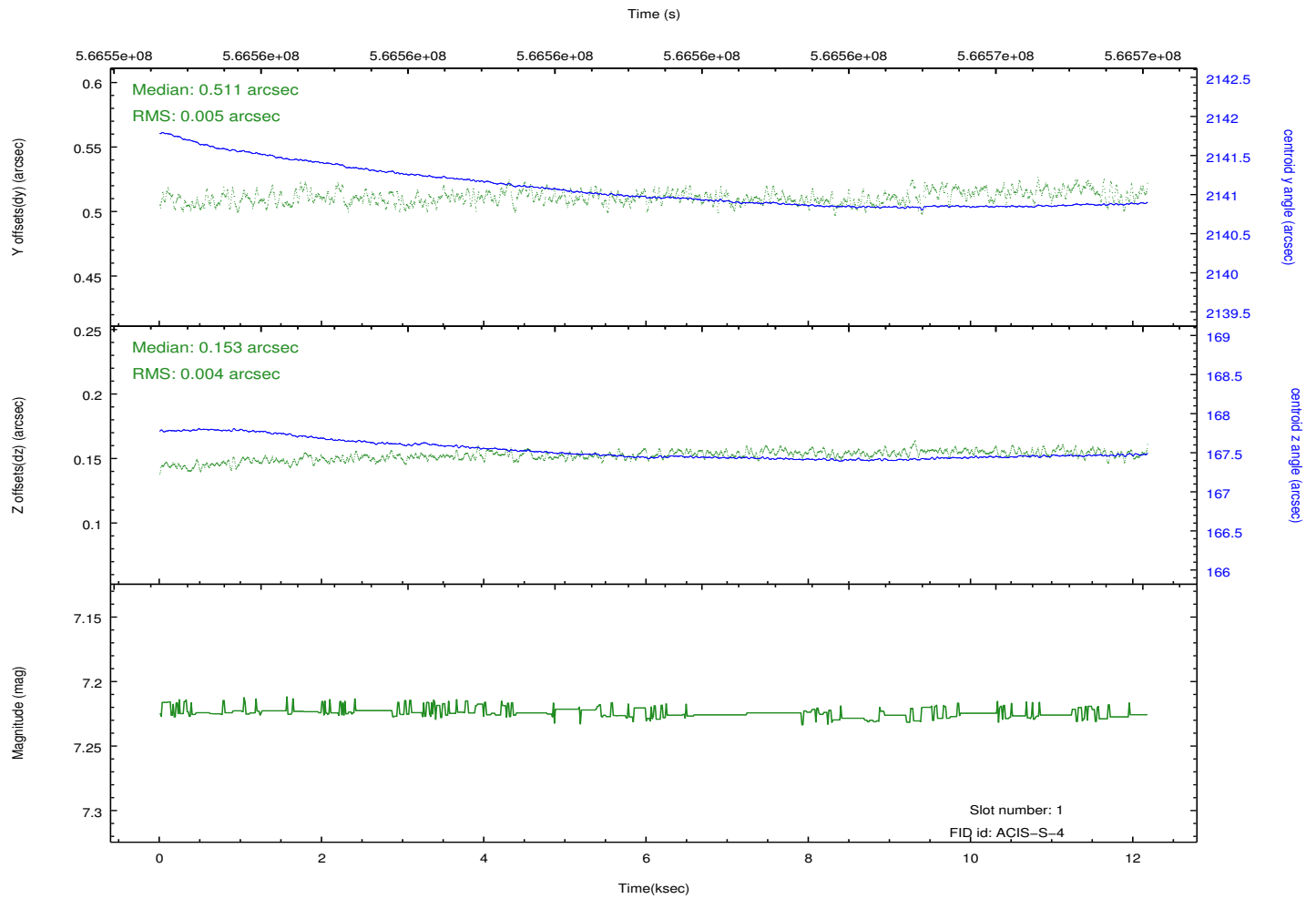
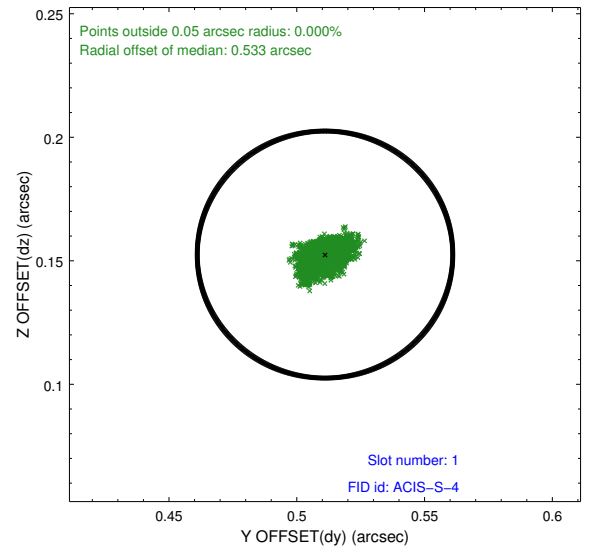
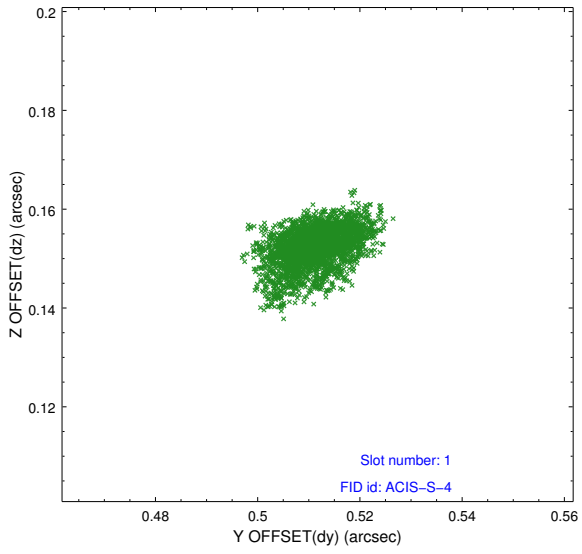


2.5 FID Slots

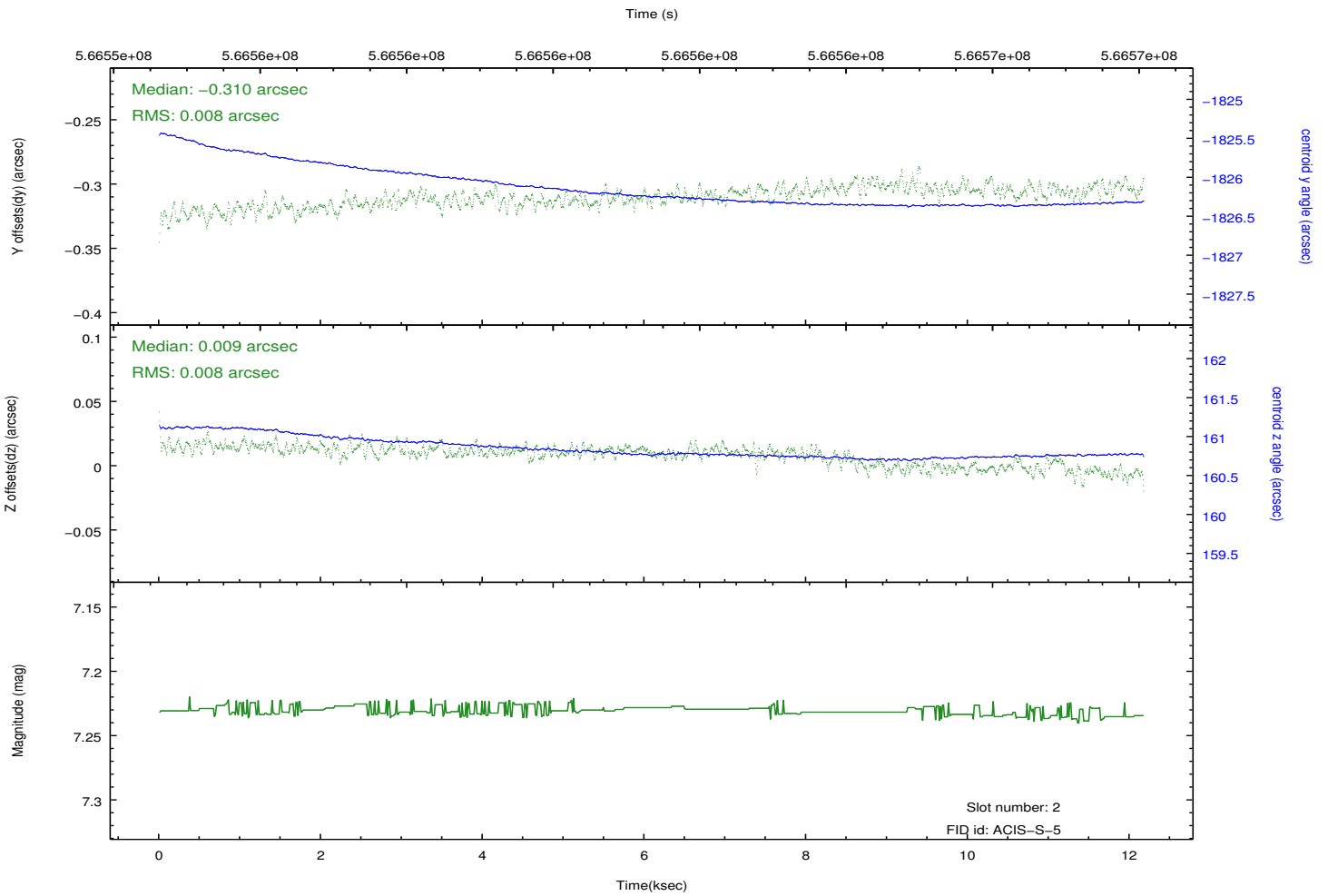
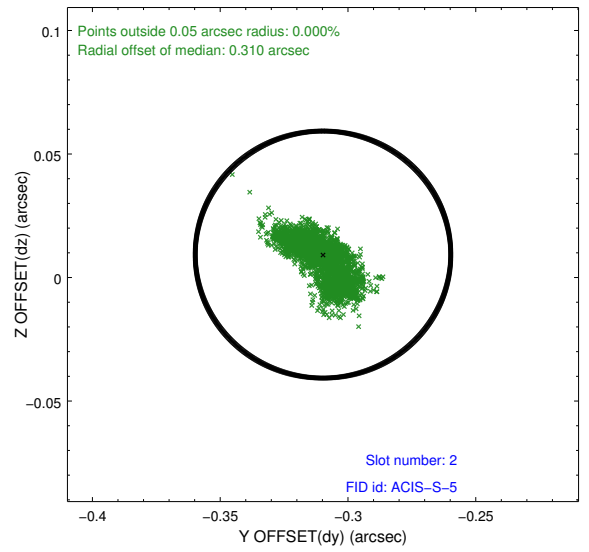
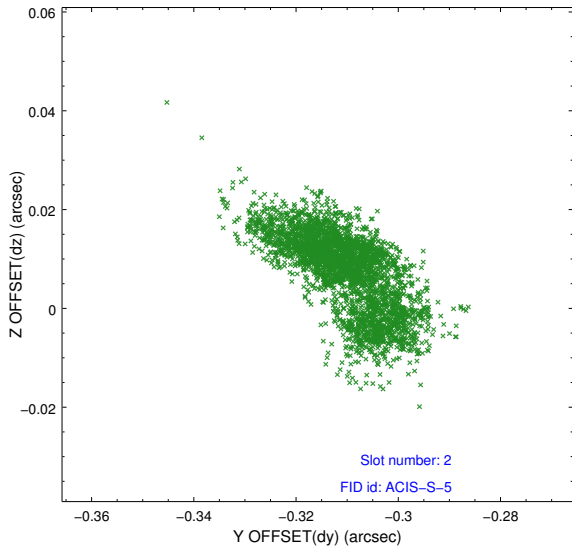
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.12.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.077243368983

A.2 Comments