

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 14896 - L2 Version 2
Chandra X-Ray Center

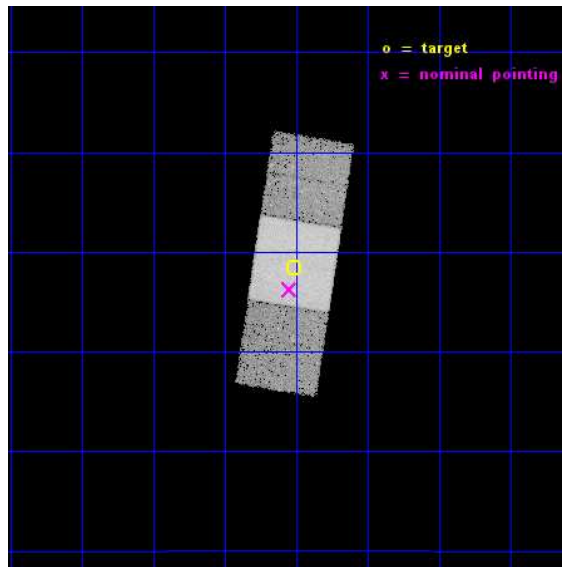
L2 Processing Date : Dec 2 2014

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1 Front

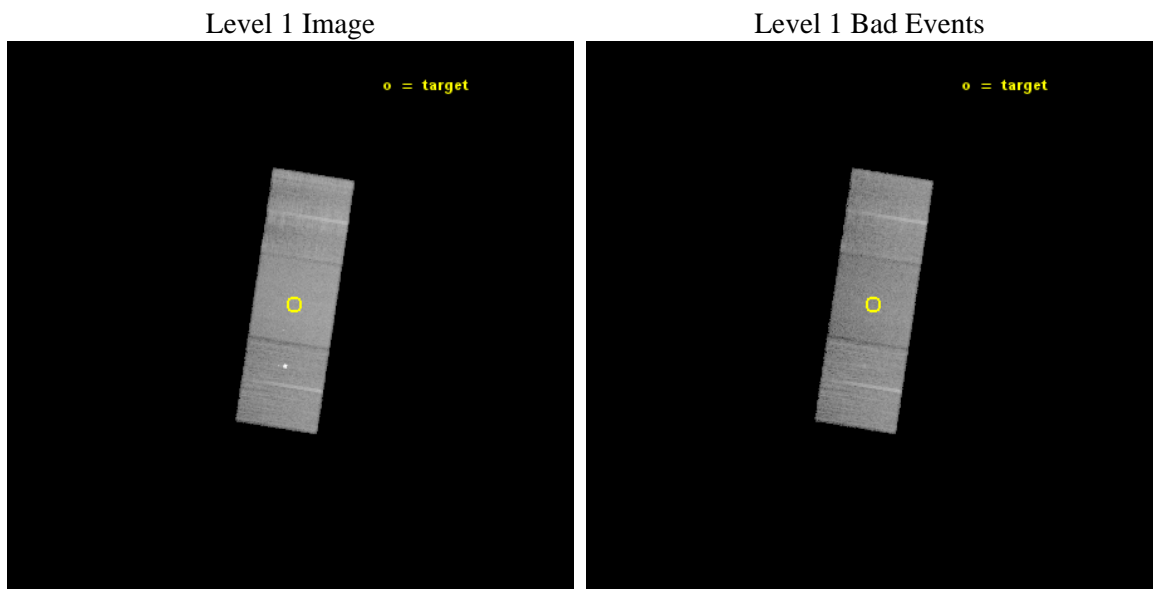
seq_num	601026	Sequence number
obs_id	14896	Observation id
title	An X-ray Study of galaxy Growth in Nearby Dwarf Irregulars	Proposa
observer	Douglas Swartz	Principal investigator
object	DDO75	Source name
dtycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	152.753333	Observer's specified target RA [deg]
dec_targ	-4.692778	Observer's specified target Dec [deg]
ra_nom	152.76153696948	Nominal RA [deg]
dec_nom	-4.7294002316219	Nominal Dec [deg]
roll_nom	278.83103554805	Nominal Roll [deg]
revision	2	Processing version of data
ontime	29667.000228167	Sum of GTIs [s]
livetime	29279.379029658	Livetime [s]
ontime6	29667.000228167	Sum of GTIs [s]
ontime7	29667.000228167	Sum of GTIs [s]
ontime8	29667.000228167	Sum of GTIs [s]
l2events	116572	Number of level 2 events



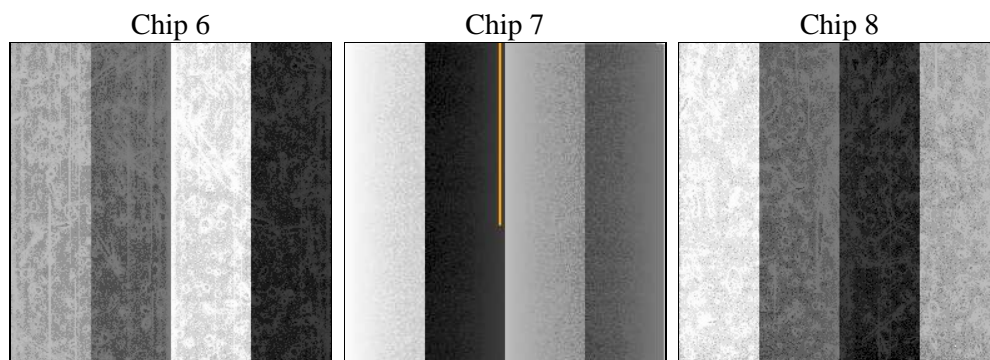
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	29552.706000	[s] Scheduled observation exposure time
ascdsver	10.3	Processing system revision	ontime	29667.000228167	Sum of GTIs [s]
caldsver	4.6.4	 	ontime6	29667.000228167	Sum of GTIs [s]
date	2014-12-02T07:56:29	Date and time of file creation	ontime7	29667.000228167	Sum of GTIs [s]
revision	2	Processing version of data	ontime8	29667.000228167	Sum of GTIs [s]
			l1events	547611	Number of level 1 events

2.1.4 Events

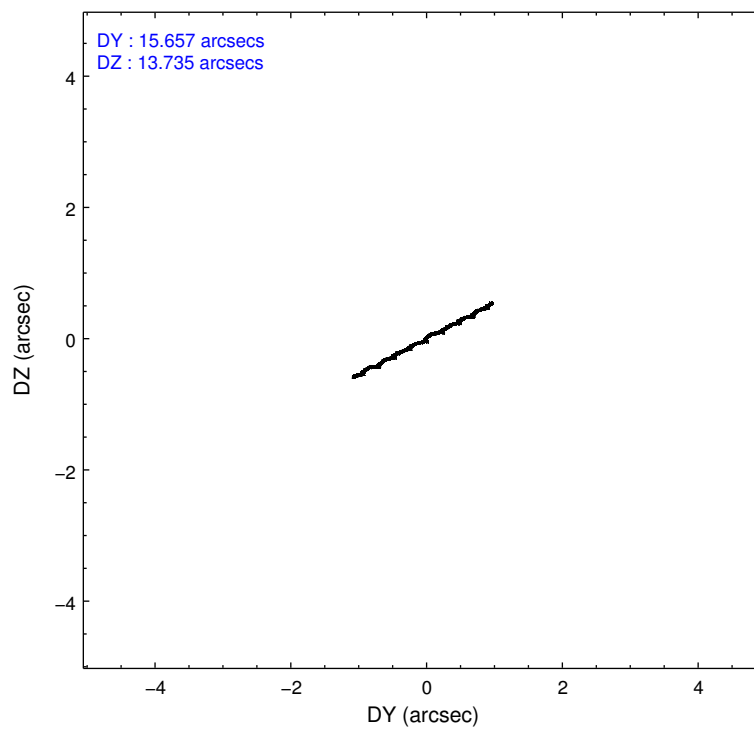
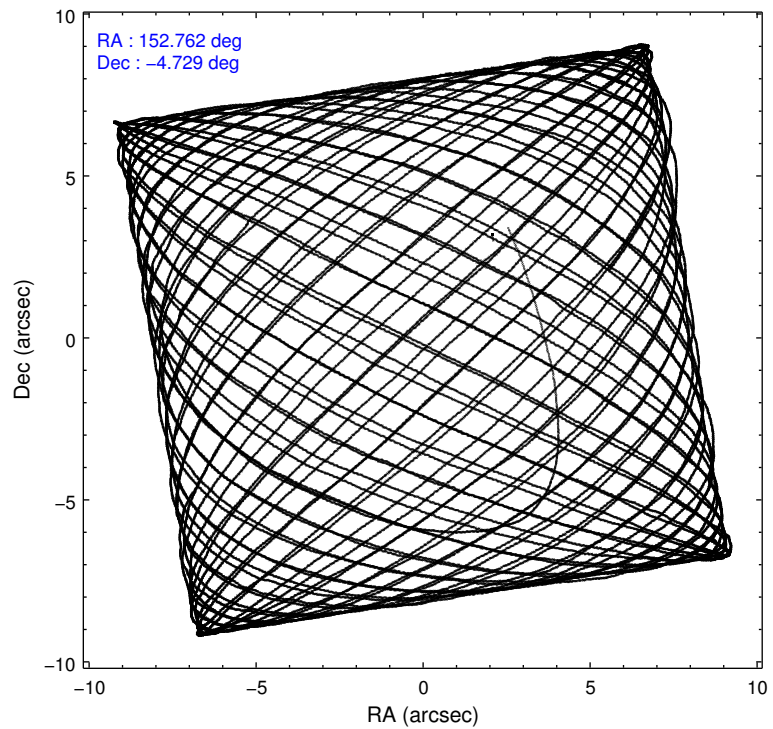
	ccd 6	ccd 7	ccd 8
level 1 events	157567	197404	192640
rejected events	130516	111938	141066
rejected %	82%	56%	73%

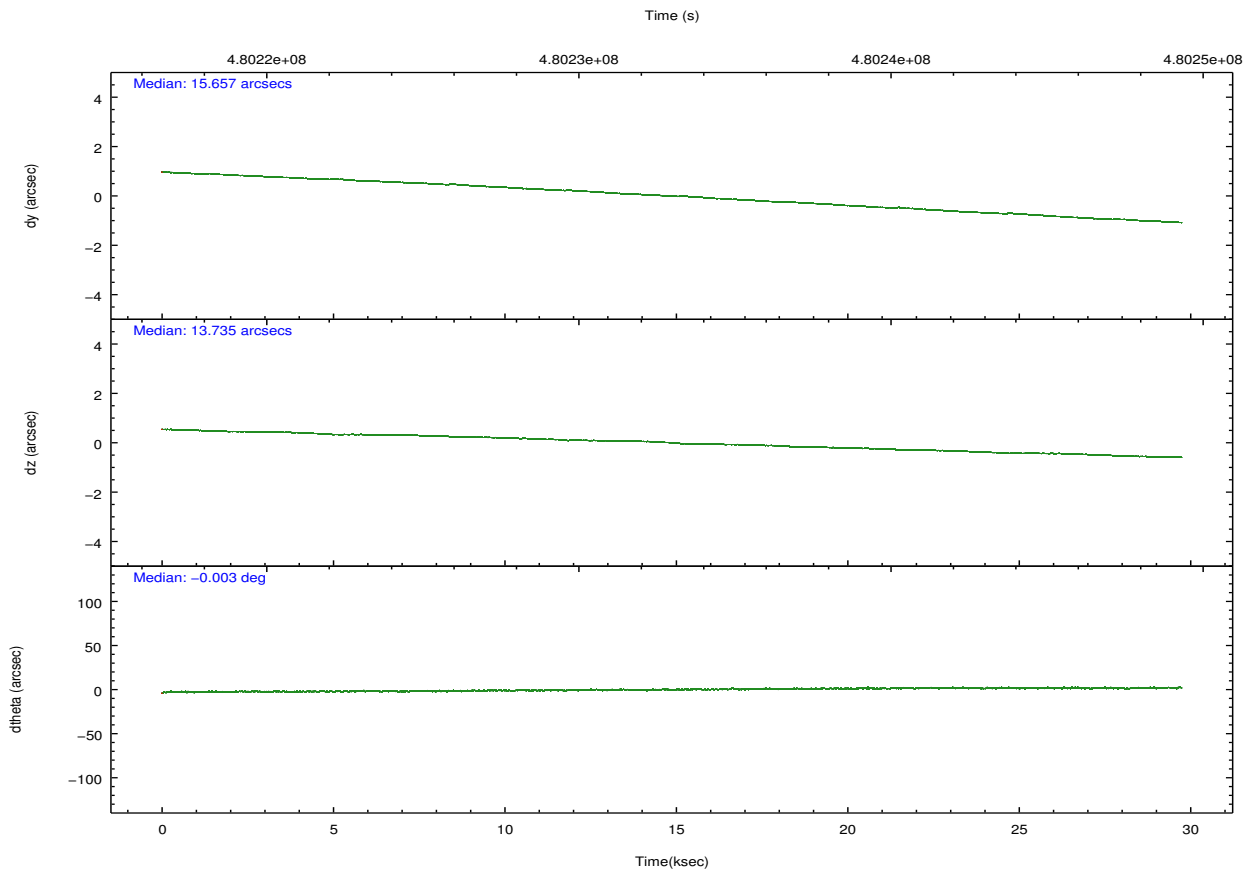
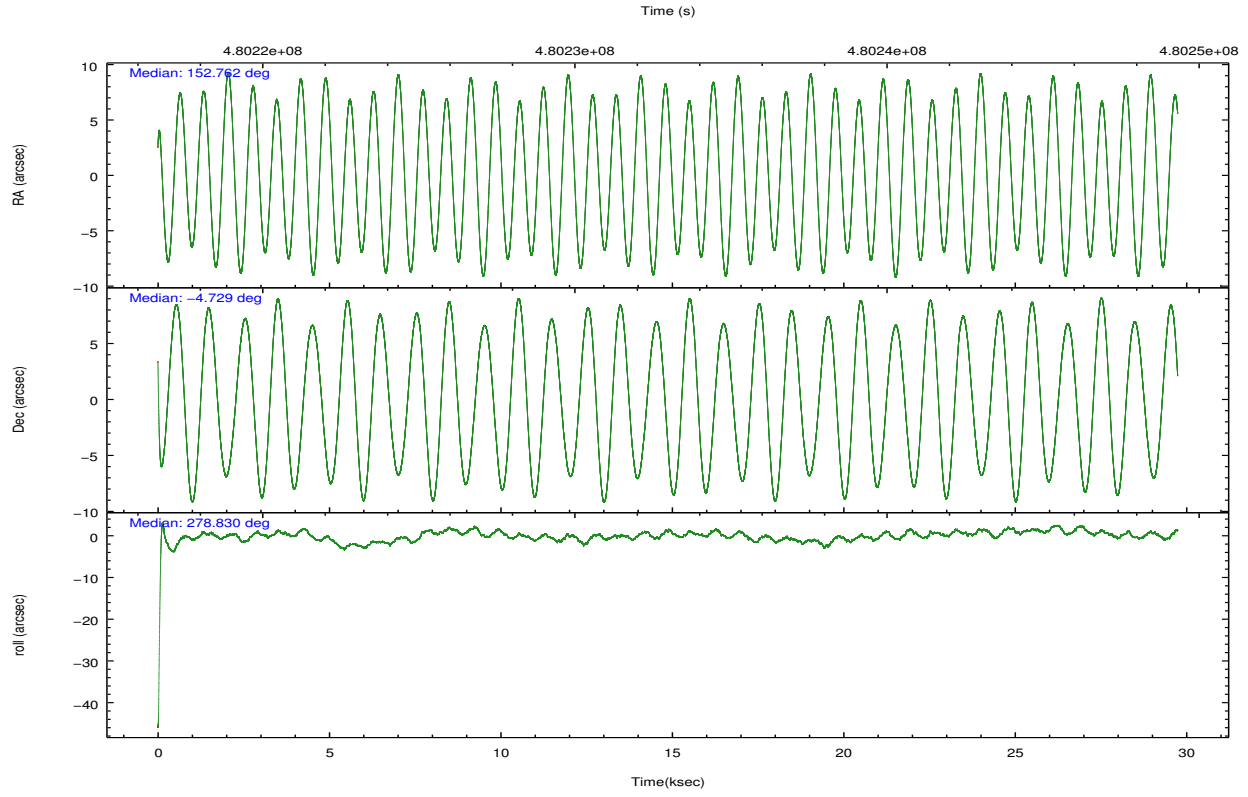
	ccd 6	ccd 7	ccd 8
grade 0 events	15240	7302	14706
	9%	3%	7%
grade 1 events	114	246	143
	0%	0%	0%
grade 2 events	4063	17406	12013
	2%	8%	6%
grade 3 events	1823	7143	5668
	1%	3%	2%
grade 4 events	1837	7176	5247
	1%	3%	2%
grade 5 events	7710	20084	10923
	4%	10%	5%
grade 6 events	4093	46453	13945
	2%	23%	7%
grade 7 events	122687	91594	129995
	77%	46%	67%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	152.744044	152.7615369694791	Subarray requested	NONE	NONE
[deg] Pointing Dec	-4.708358	-4.729400231621927	Alternating exposures requested	N	N
[deg] Pointing Roll	278.672982	278.8310355480514	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	480218295.184000	480216563.71019			
Observation start date	2013-03-21T01:57:08	2013-03-21T01:29:23			
[s] Observation end time (MET)	480247848.184000	480248073.74939			
Observation end date	2013-03-21T10:09:41	2013-03-21T10:14:33			
Read mode	TIMED	TIMED			

2.3 Aspect



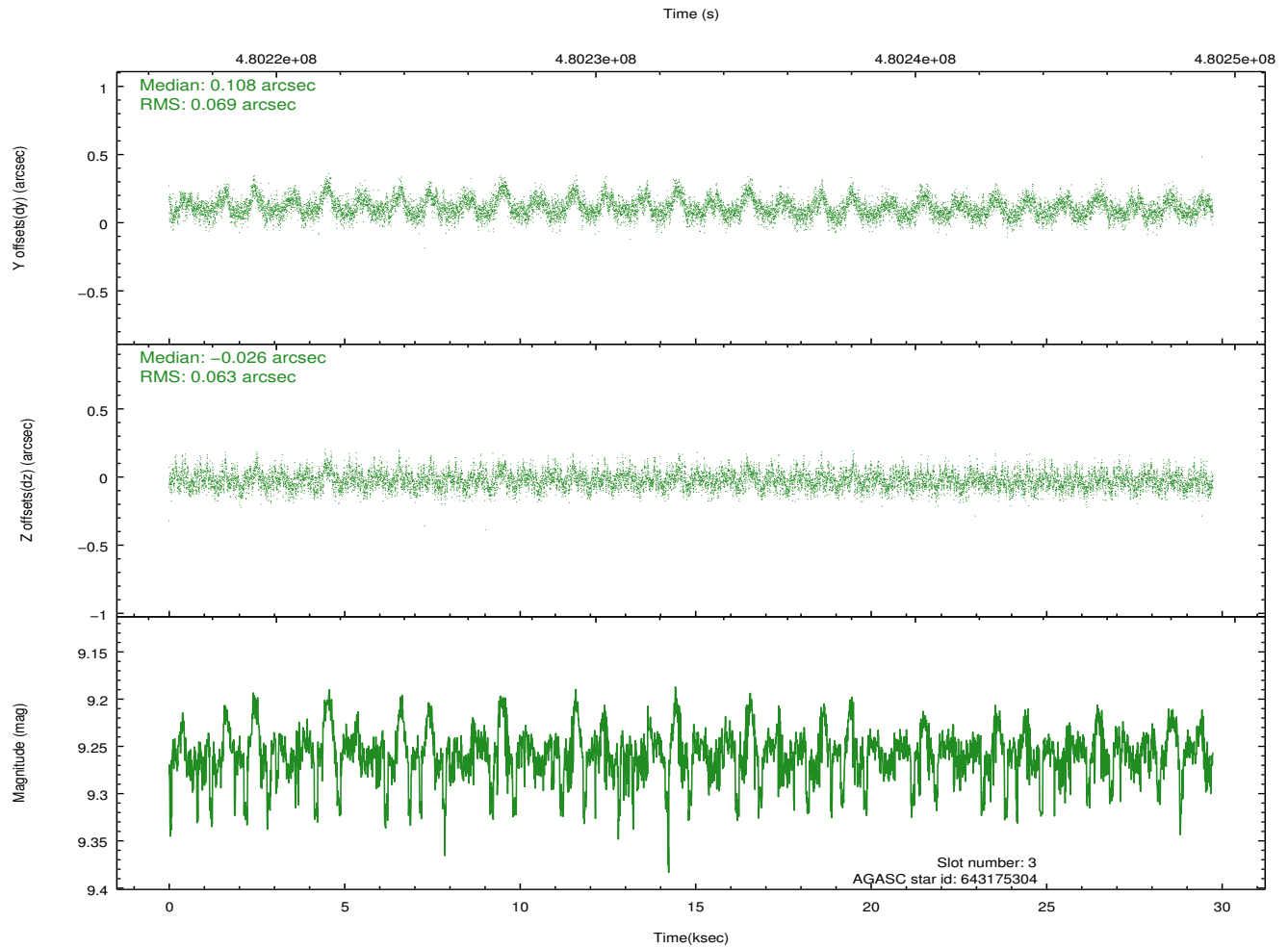
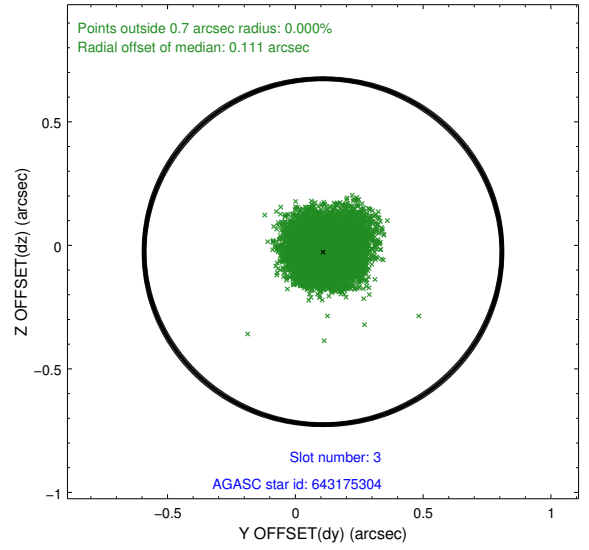
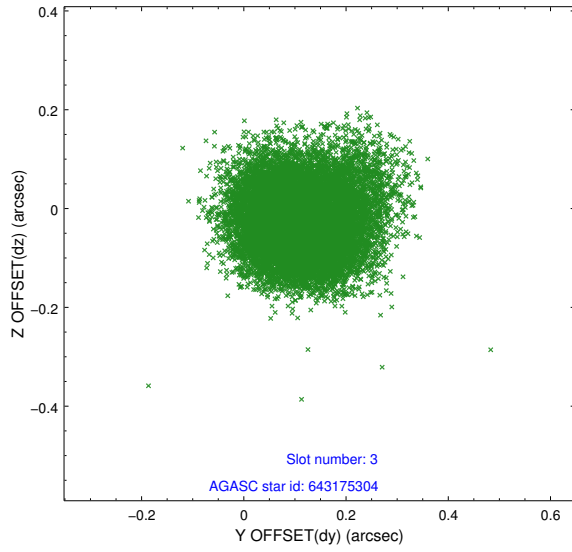


Slot Statistics

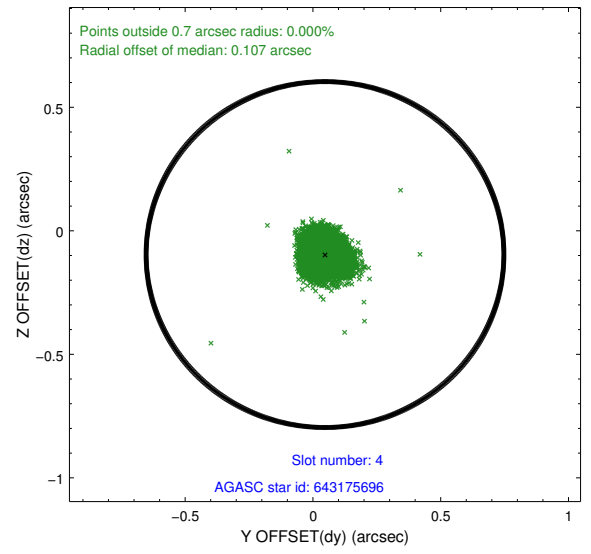
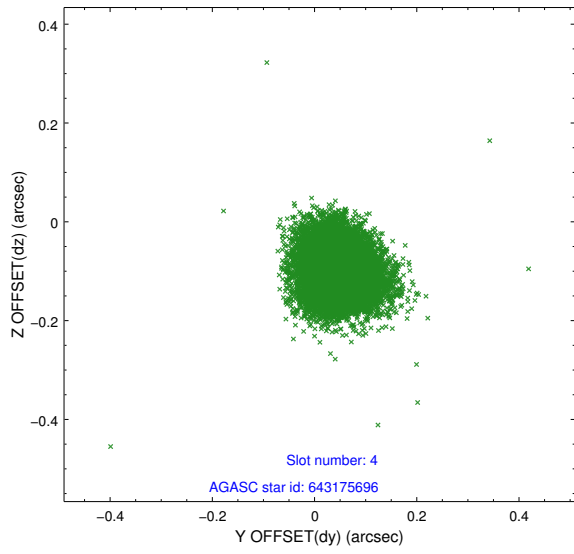
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.04	7255	-0.113	-0.064	0.015	0.024	0.000000	0.000000	-768.75	-1735.07
1	FID		ACIS-S-4	7.13	7255	0.264	0.071	0.008	0.014	0.000000	0.000000	2144.89	173.43
2	FID		ACIS-S-5	7.16	7255	-0.183	0.000	0.017	0.029	0.000000	0.000000	-1821.55	167.17
3	GUIDE	used	643175304	9.26	14384	0.108	-0.026	0.099	0.163	152.848409	-4.223694	-1667.28	632.10
4	GUIDE	used	643175696	8.37	14507	0.047	-0.096	0.059	0.097	153.224731	-4.336990	-1061.01	1907.09
5	GUIDE	used	643569448	7.64	14508	-0.126	-0.053	0.064	0.100	153.380406	-5.087356	1694.19	2049.05
6	GUIDE	used	643570144	8.17	14502	-0.136	-0.036	0.057	0.092	153.308924	-5.217733	2119.12	1725.66
7	GUIDE	used	643049920	8.51	14501	0.103	0.214	0.094	0.146	152.135876	-4.146657	-2326.85	-1853.52

2.4 Star Slots

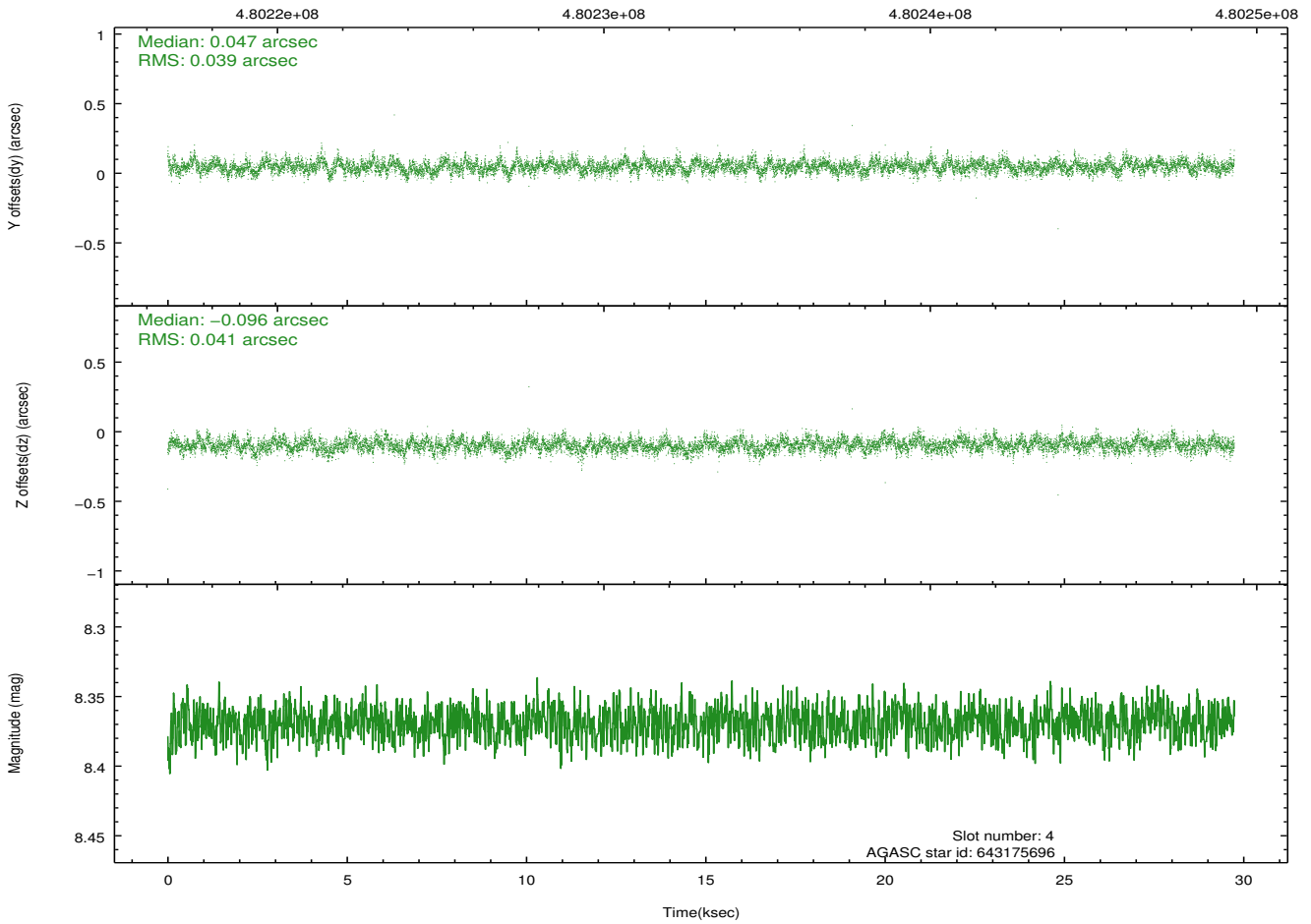
2.4.1 Slot 3



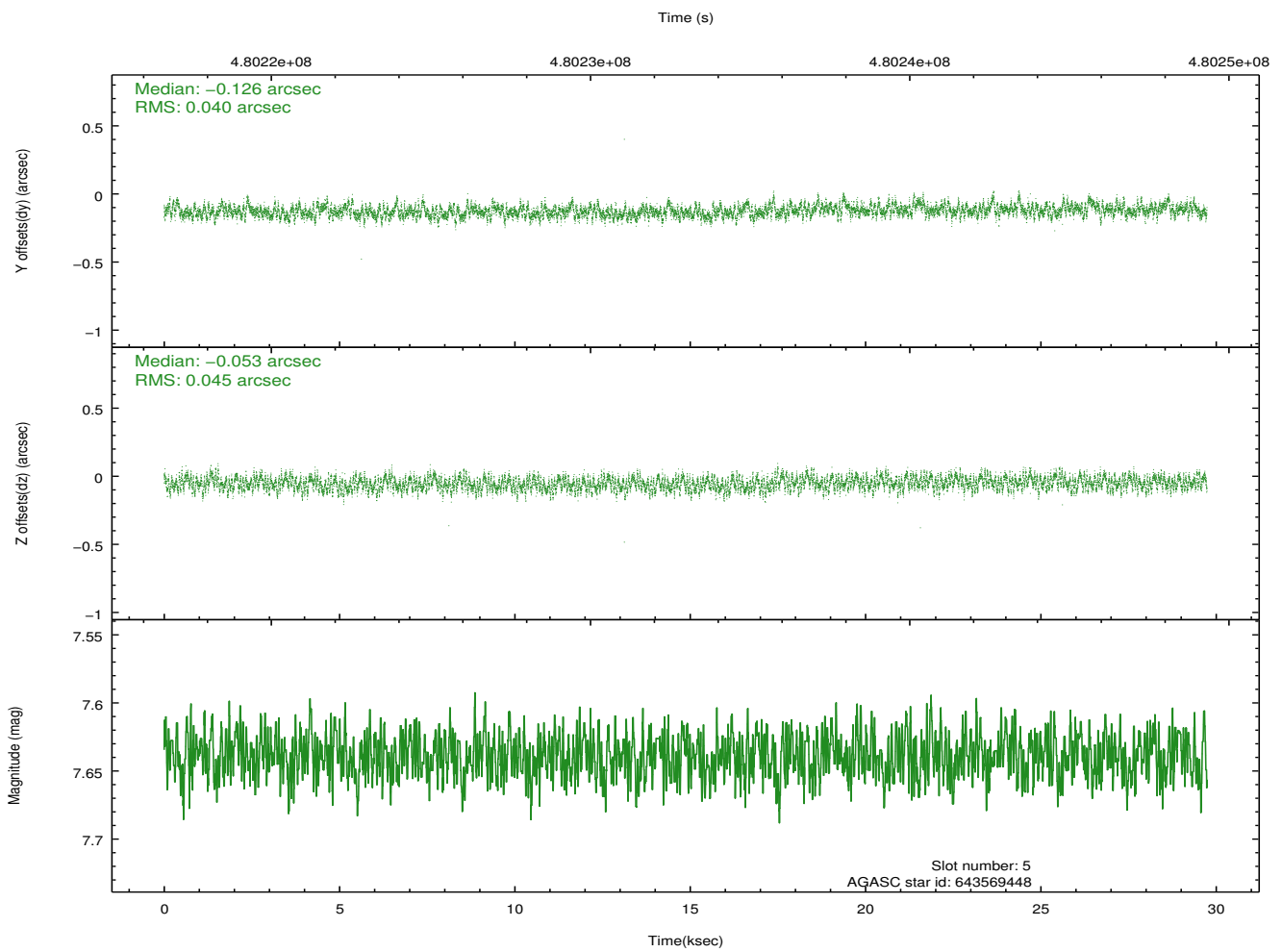
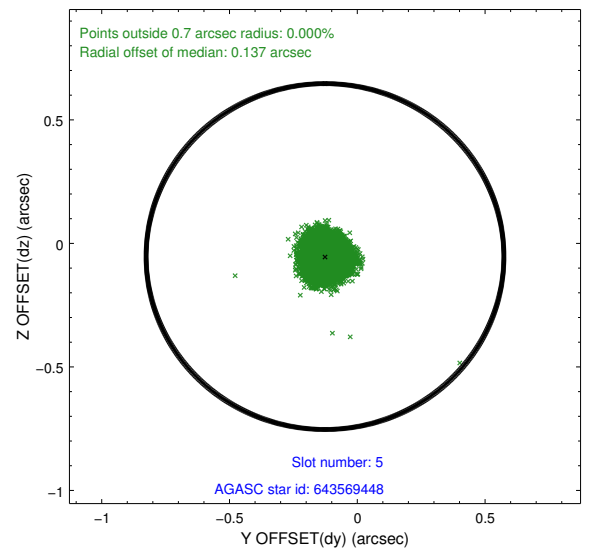
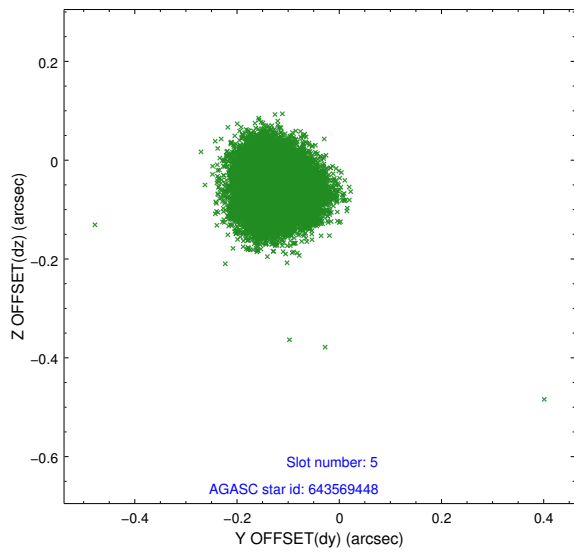
2.4.2 Slot 4



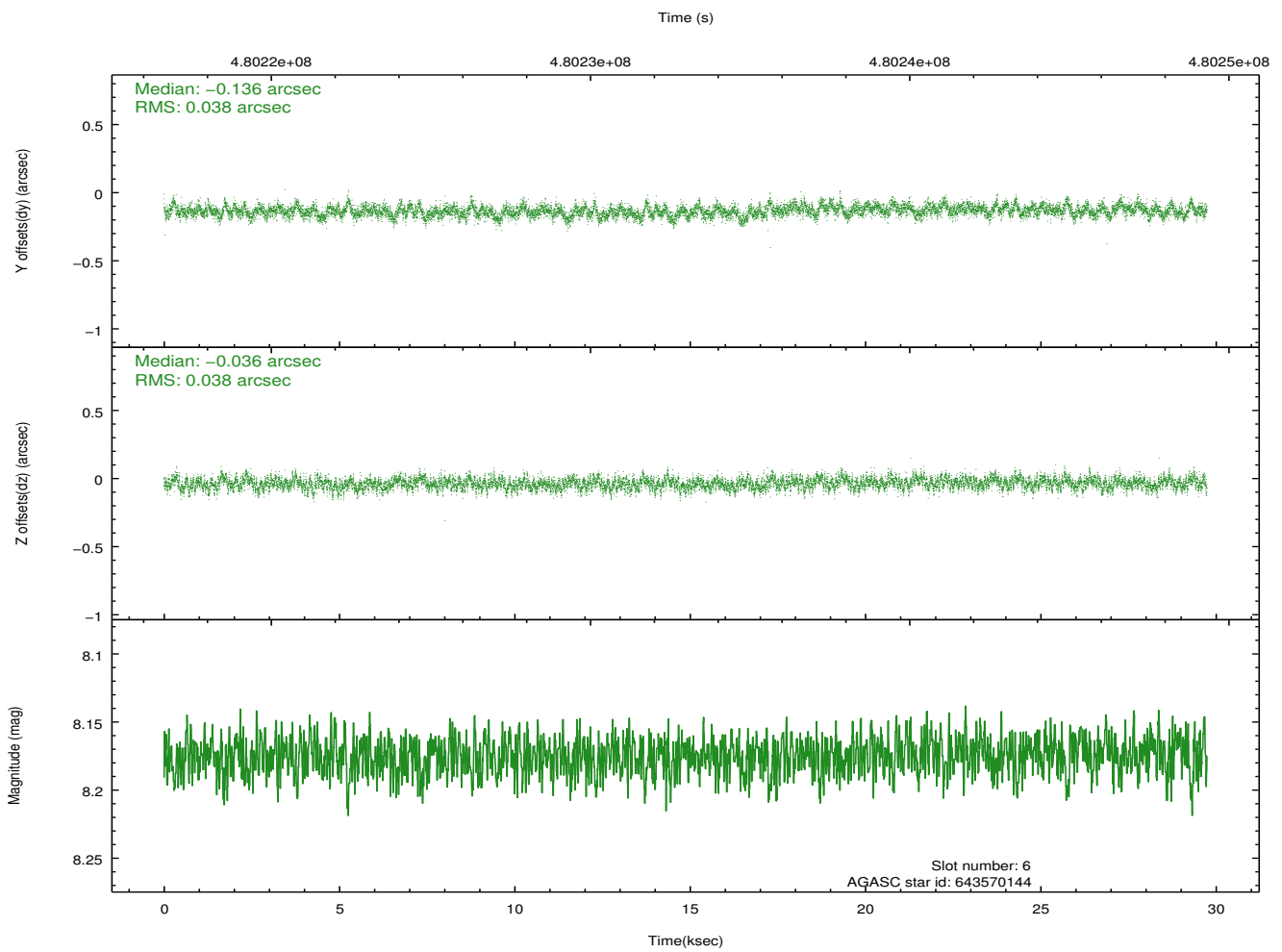
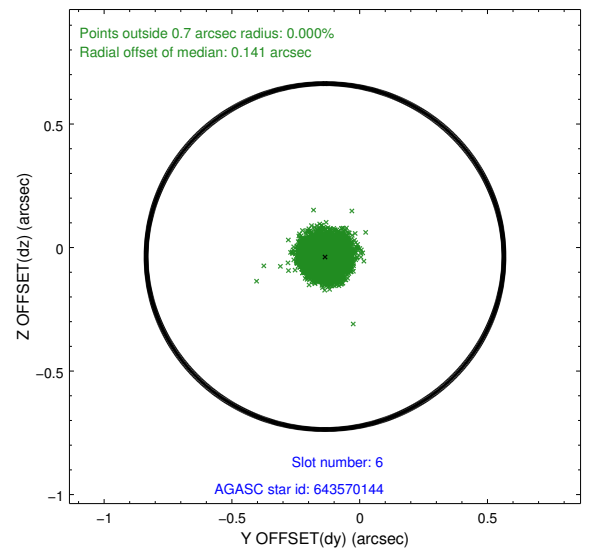
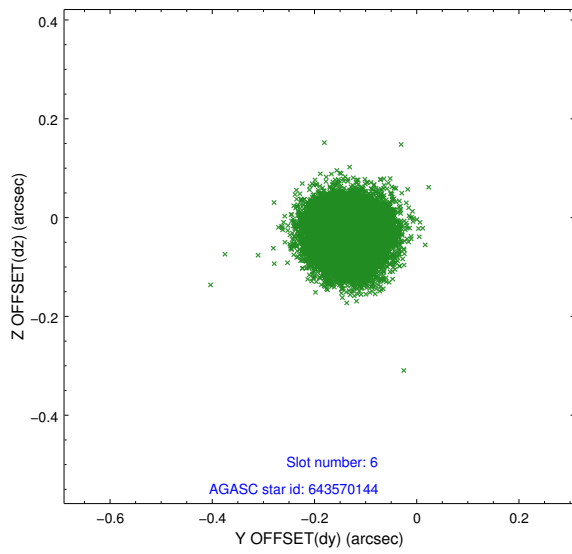
Time (s)



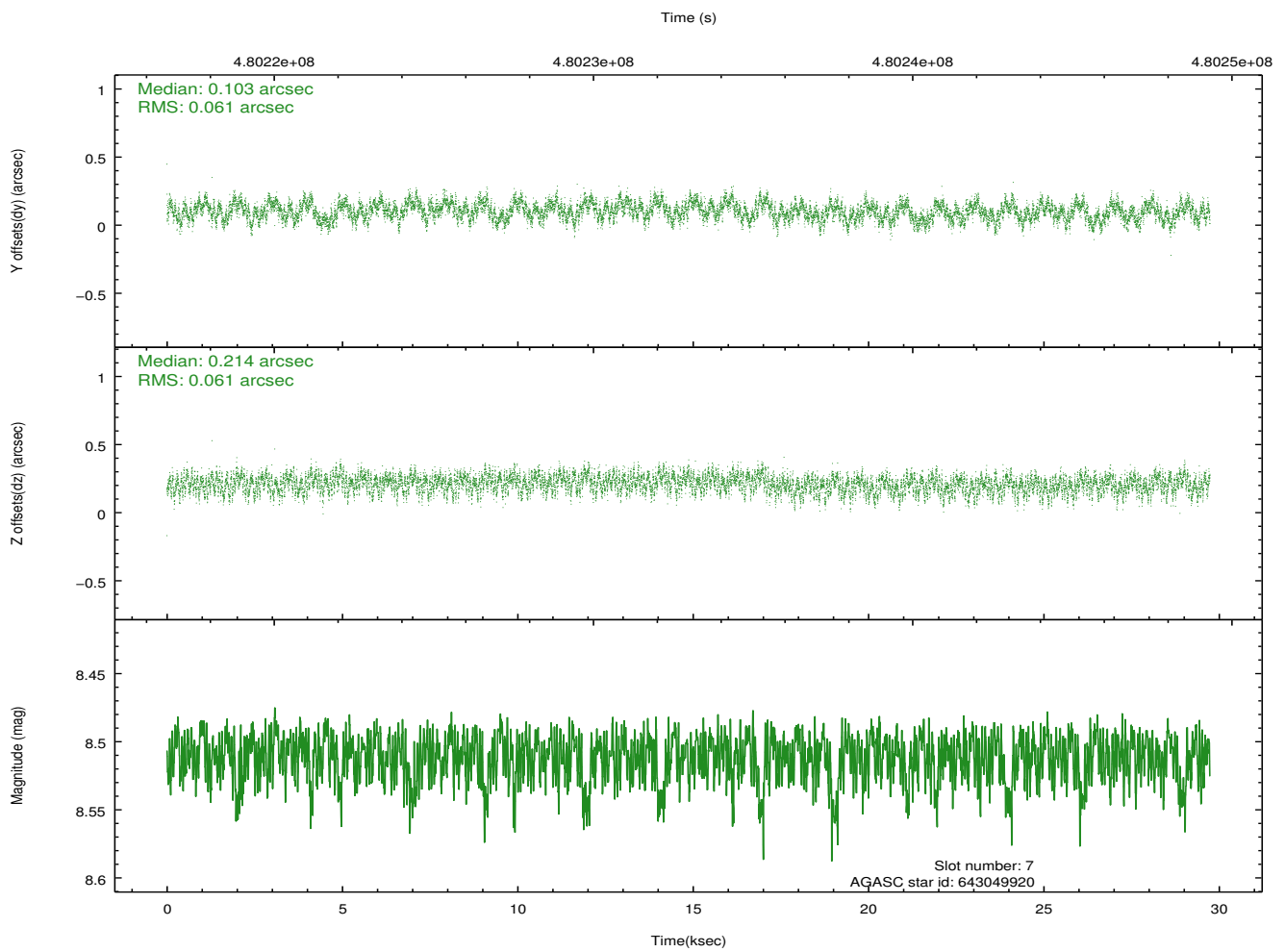
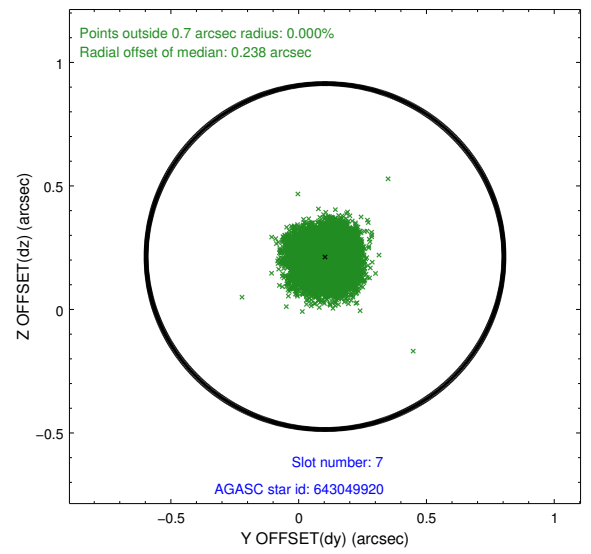
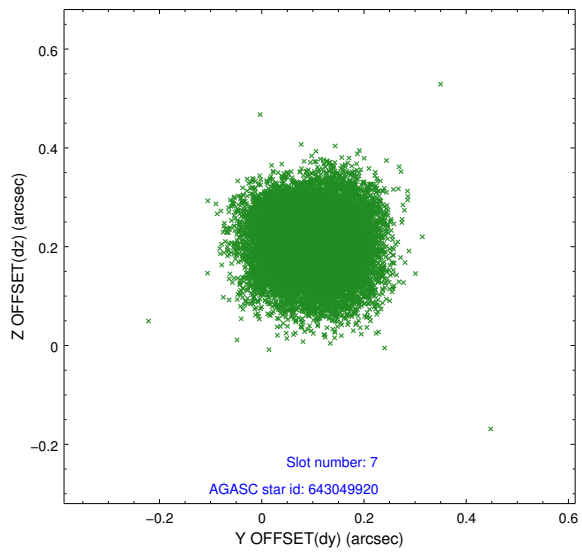
2.4.3 Slot 5



2.4.4 Slot 6

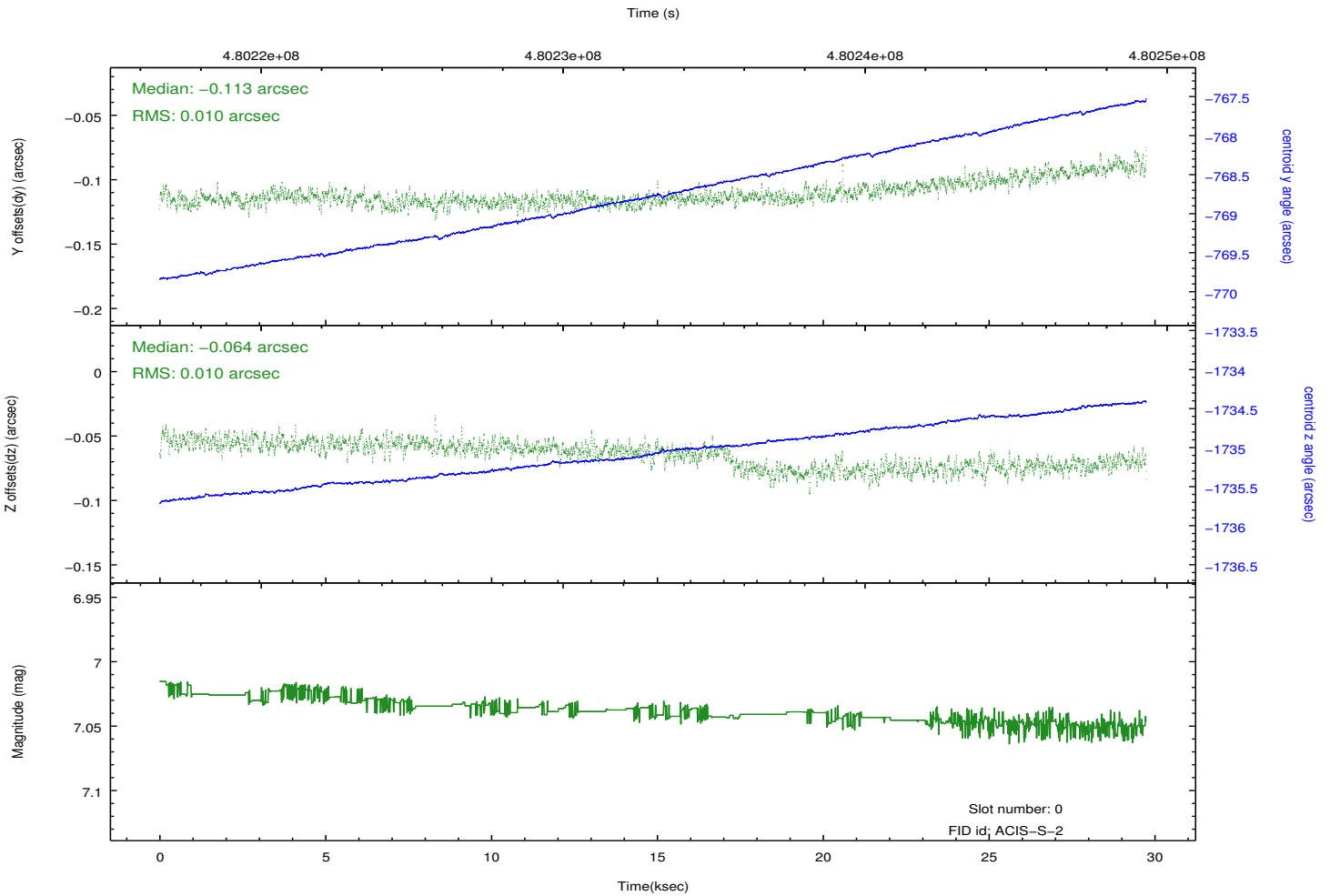
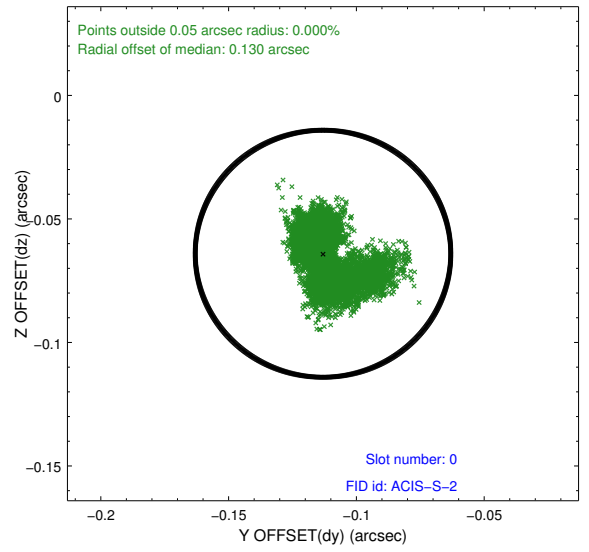
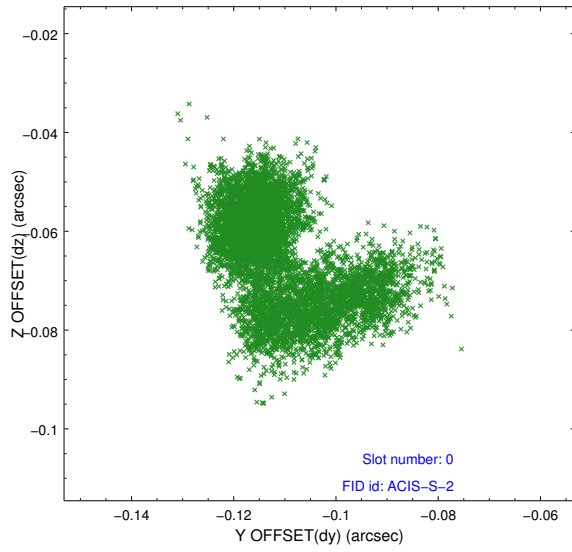


2.4.5 Slot 7

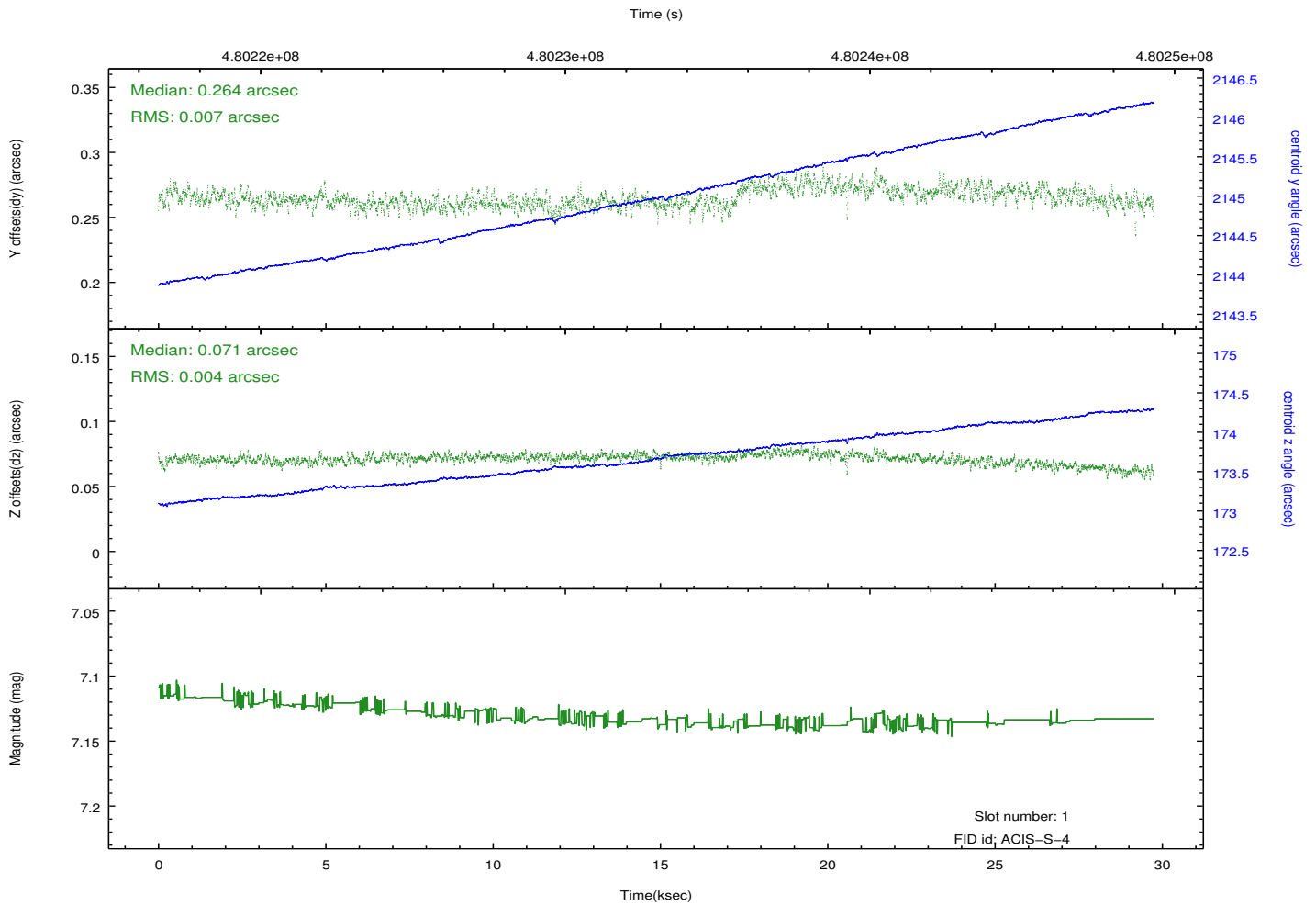
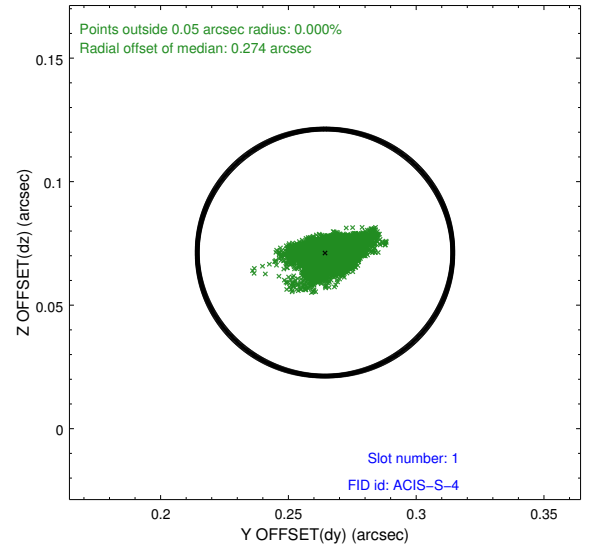
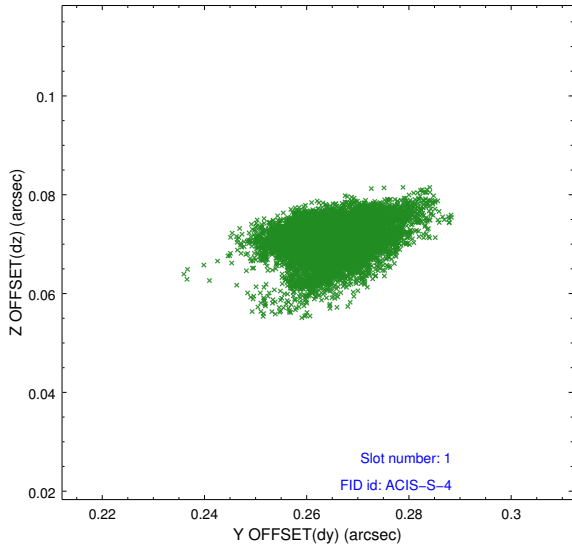


2.5 FID Slots

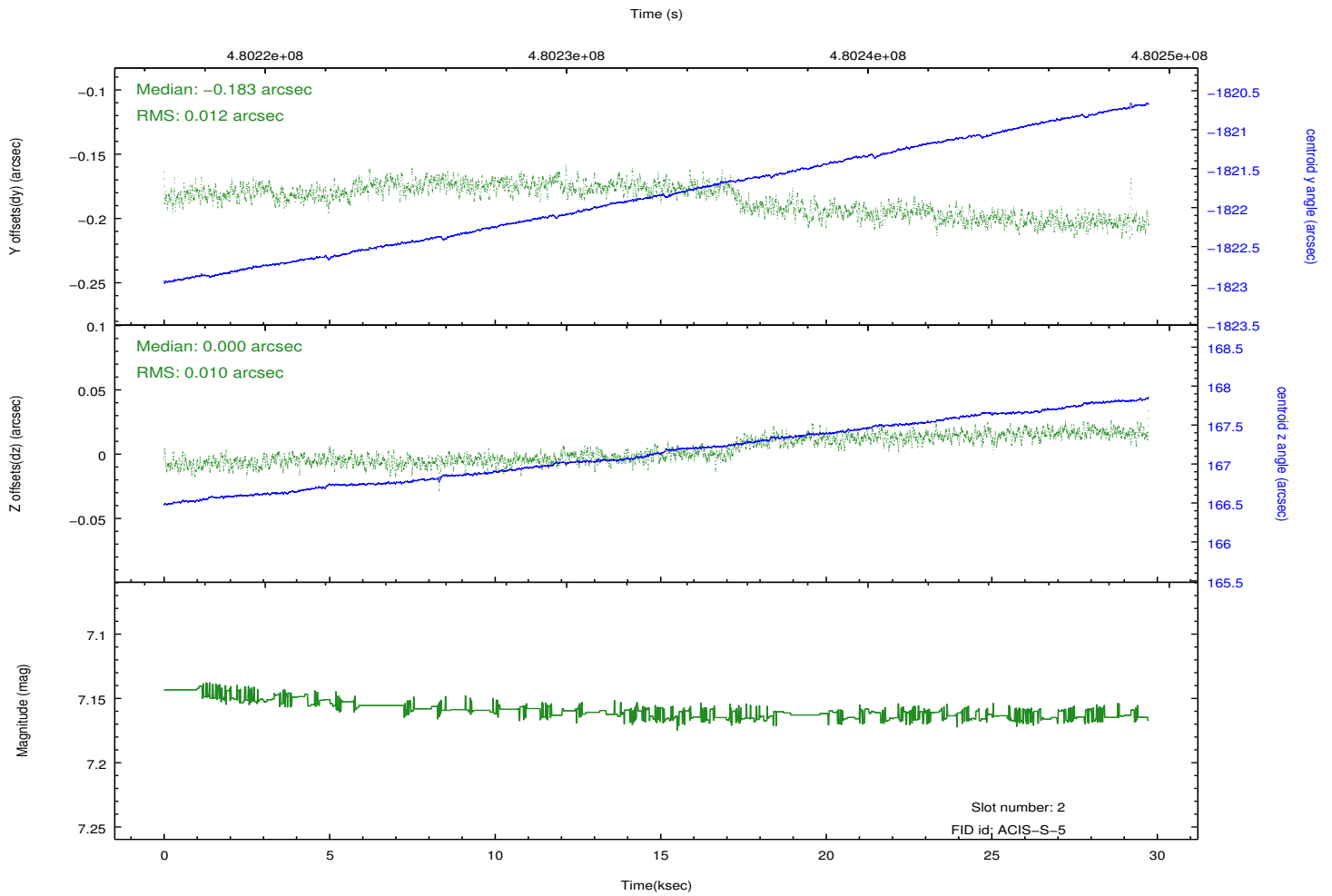
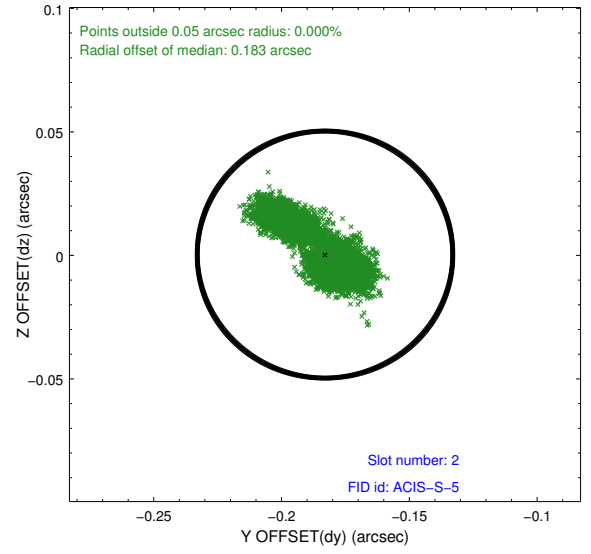
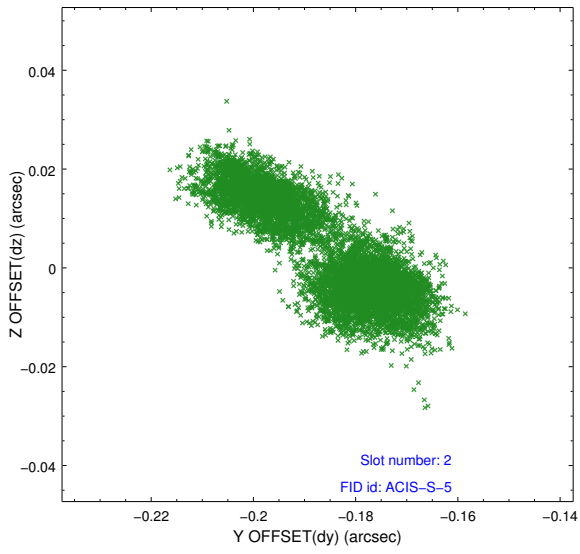
2.5.1 Slot 0



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)	2014.12.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.667000228167

A.2 Comments

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.