

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11287 - L2 Version 3
Chandra X-Ray Center

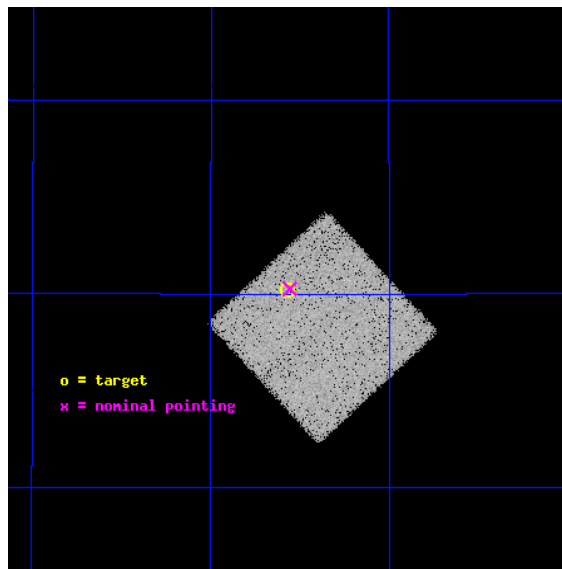
L2 Processing Date : Jun 17 2012

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1 Front

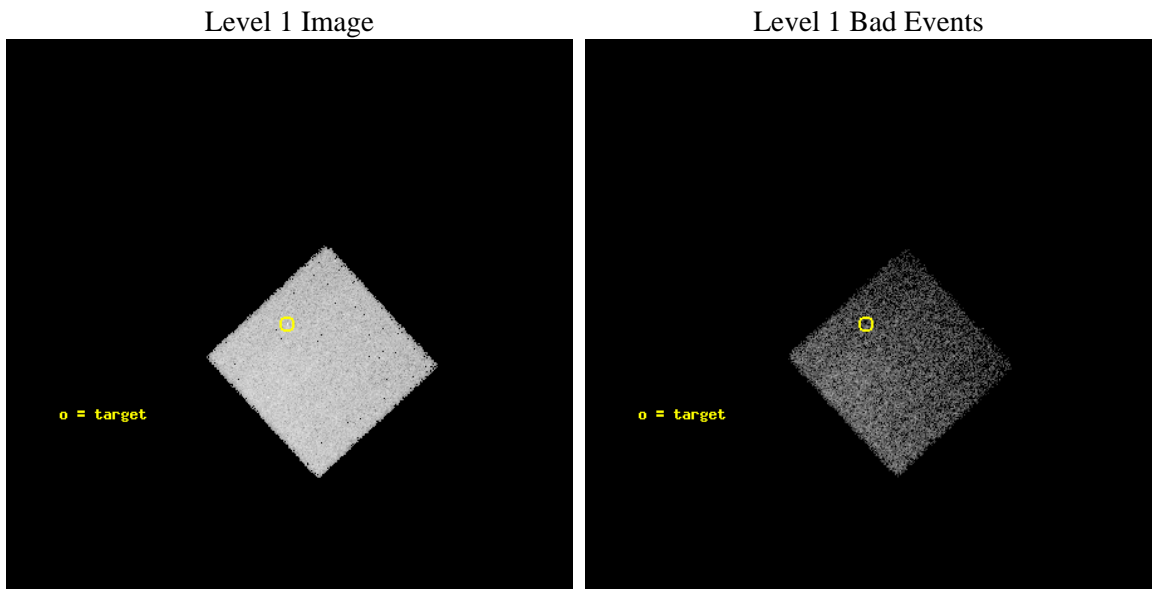
seq_num	600806	Sequence number
obs_id	11287	Observation id
title	Ultra-Luminous x-Ray Sources in the Most Metal-Poor Galaxies	Propo
observer	Dr Andrea Prestwich	Principal investigator
object	[RC2] A1116+51	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	169.893333	Observer's specified target RA [deg]
dec_targ	51.503361	Observer's specified target Dec [deg]
ra_nom	169.8893247408	Nominal RA [deg]
dec_nom	51.504478138183	Nominal Dec [deg]
roll_nom	47.159752506142	Nominal Roll [deg]
revision	3	Processing version of data
ontime	11805.0	Sum of GTIs [s]
livetime	11645.687001815	Livetime [s]
ontime7	11805.0	Sum of GTIs [s]
l2events	51707	Number of level 2 events



2 OBI

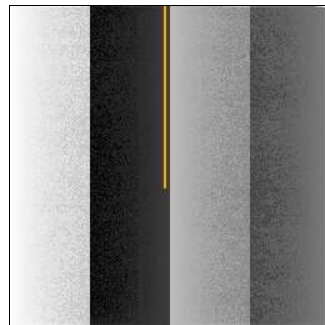
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	11661.819000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	11805.0	Sum of GTIs [s]
caldbver	4.4.10	 	ontime7	11805.0	Sum of GTIs [s]
date	2012-06-17T12:39:11	Date and time of file creation	l1events	124839	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

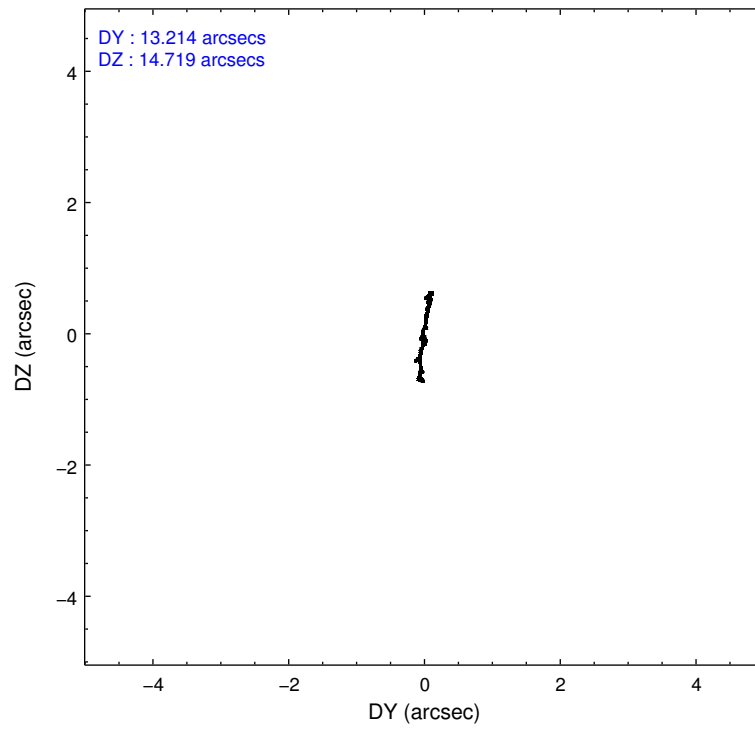
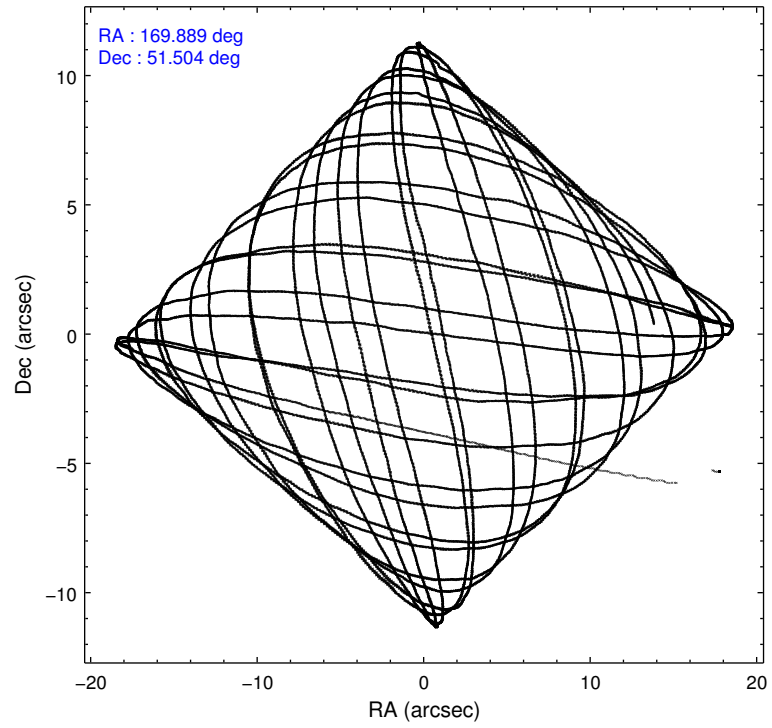
	ccd 7
level 1 events	124839
rejected events	71707
rejected %	57%

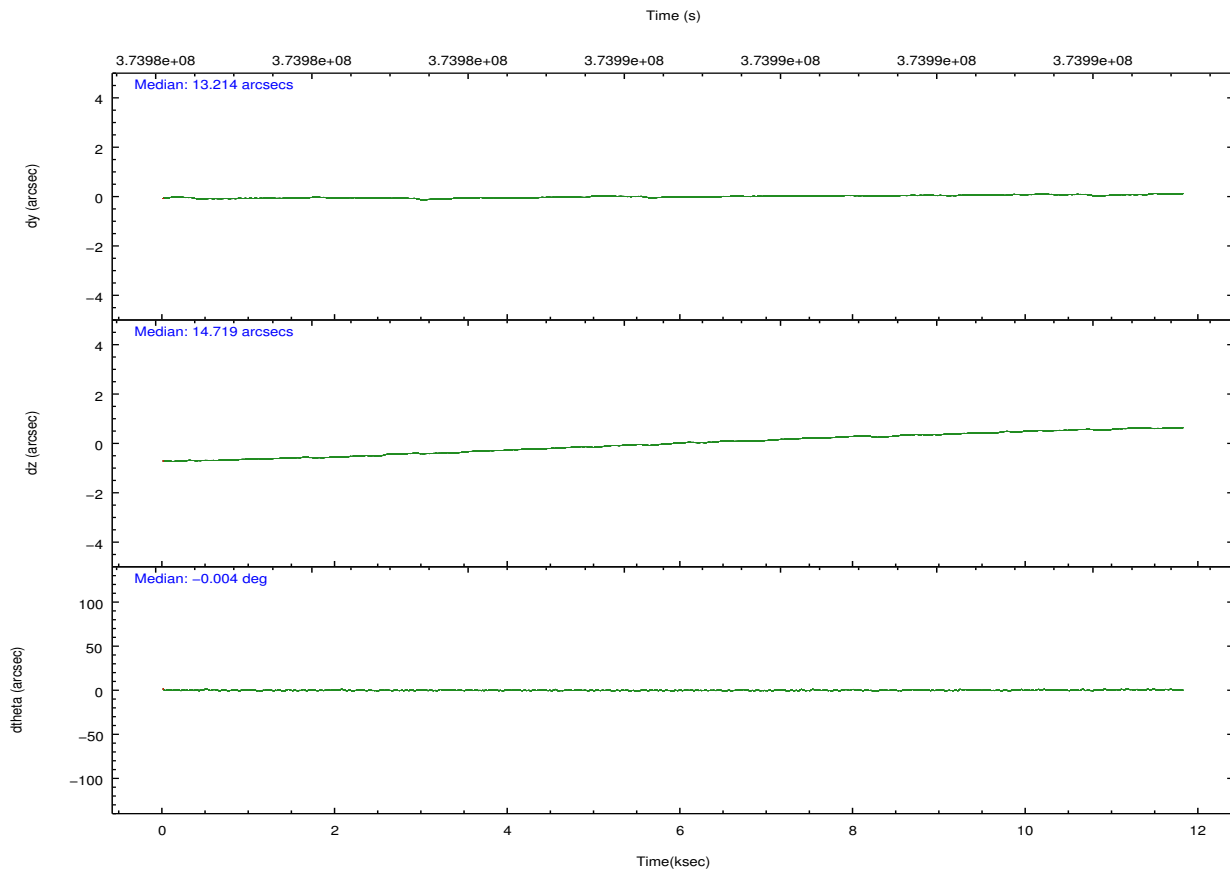
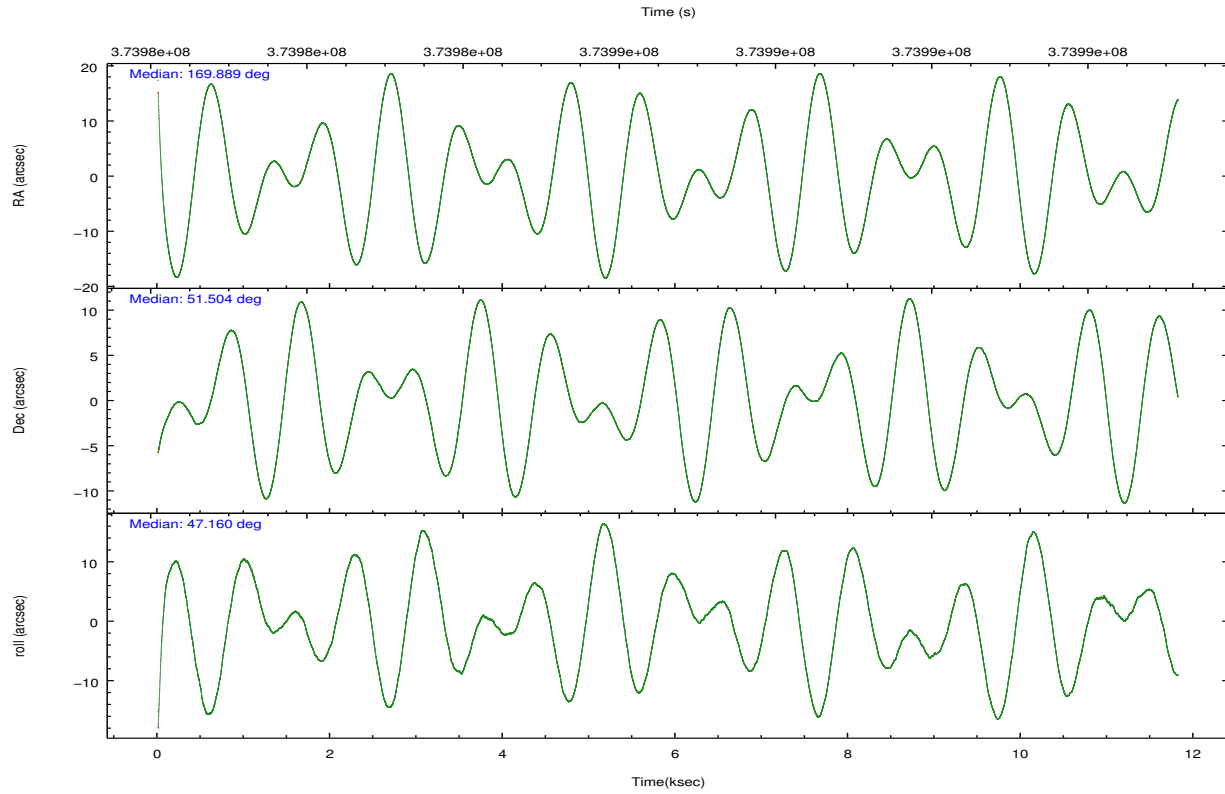
	ccd 7
grade 0 events	5435
	4%
grade 1 events	141
	0%
grade 2 events	11792
	9%
grade 3 events	5162
	4%
grade 4 events	5333
	4%
grade 5 events	13250
	10%
grade 6 events	29874
	23%
grade 7 events	53852
	43%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	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	169.880200	169.8893247408047	Subarray requested	NONE	NONE
[deg] Pointing Dec	51.477722	51.50447813818349	Alternating exposures requested	N	N
[deg] Pointing Roll	47.010275	47.15975250614229	[s] Primary exposure time	0.000000	3
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	373980869.184000	373979661.92391			
Observation start date	2009-11-07T11:33:23	2009-11-07T11:14:21			
[s] Observation end time (MET)	373992531.184000	373992755.78707			
Observation end date	2009-11-07T14:47:45	2009-11-07T14:52:35			
Read mode	TIMED	TIMED			

2.3 Aspect



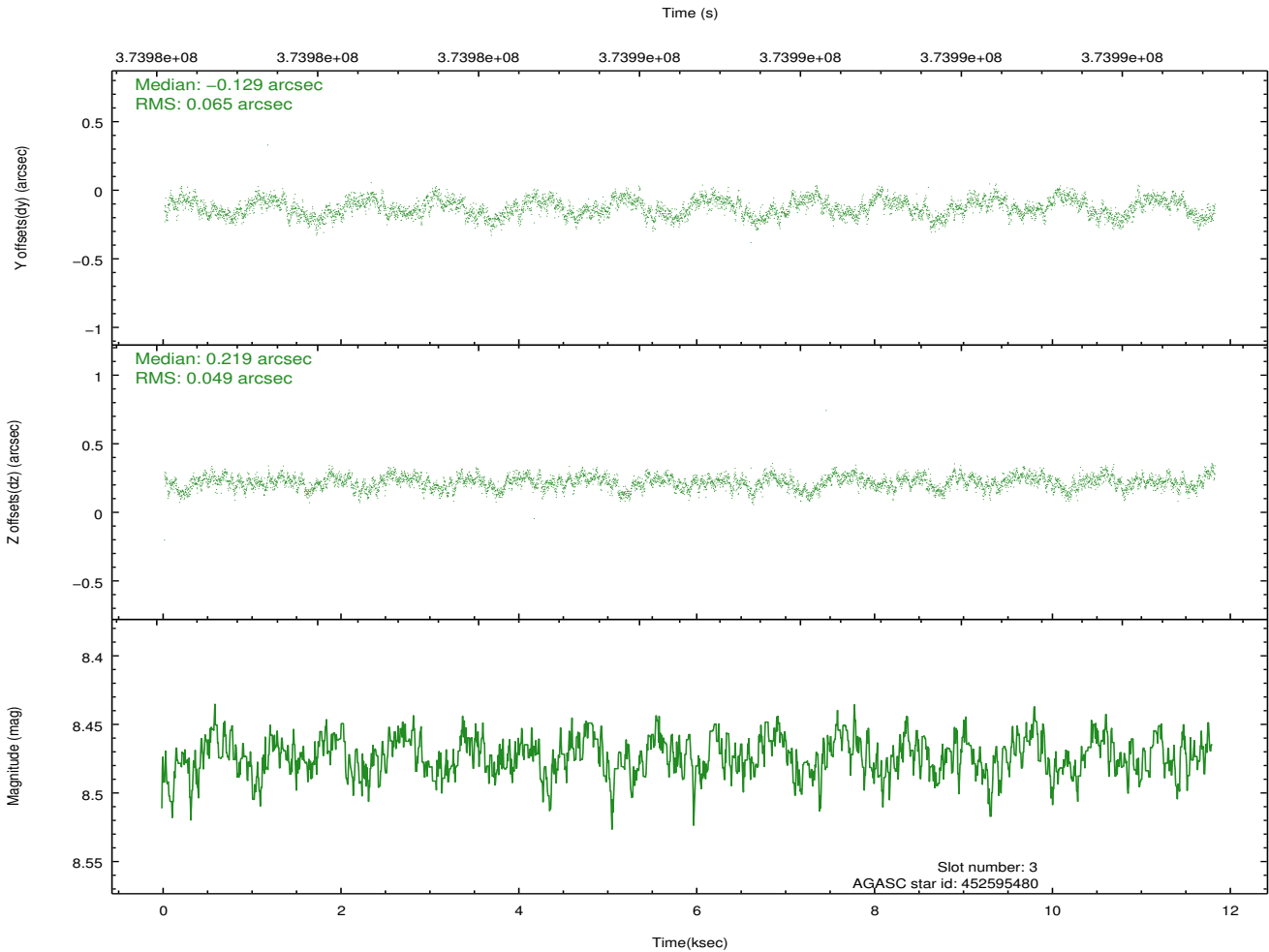
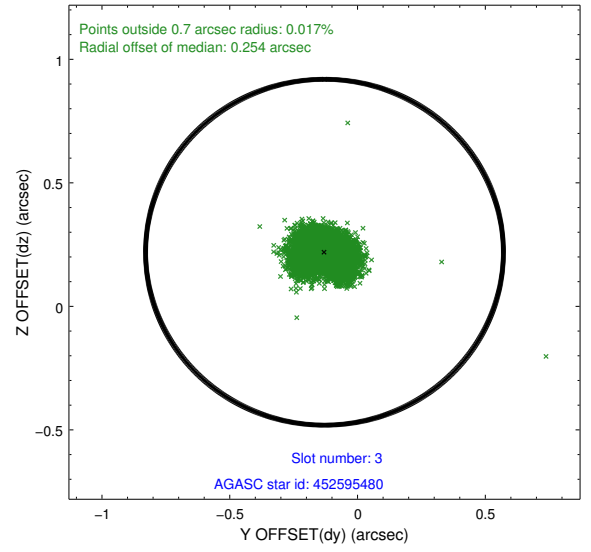
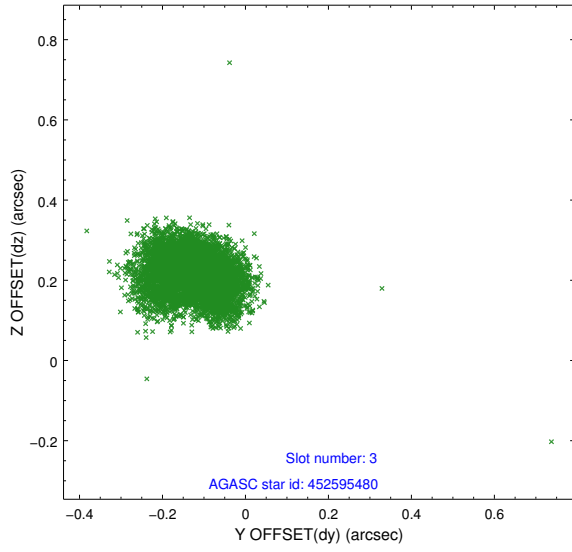


Slot Statistics

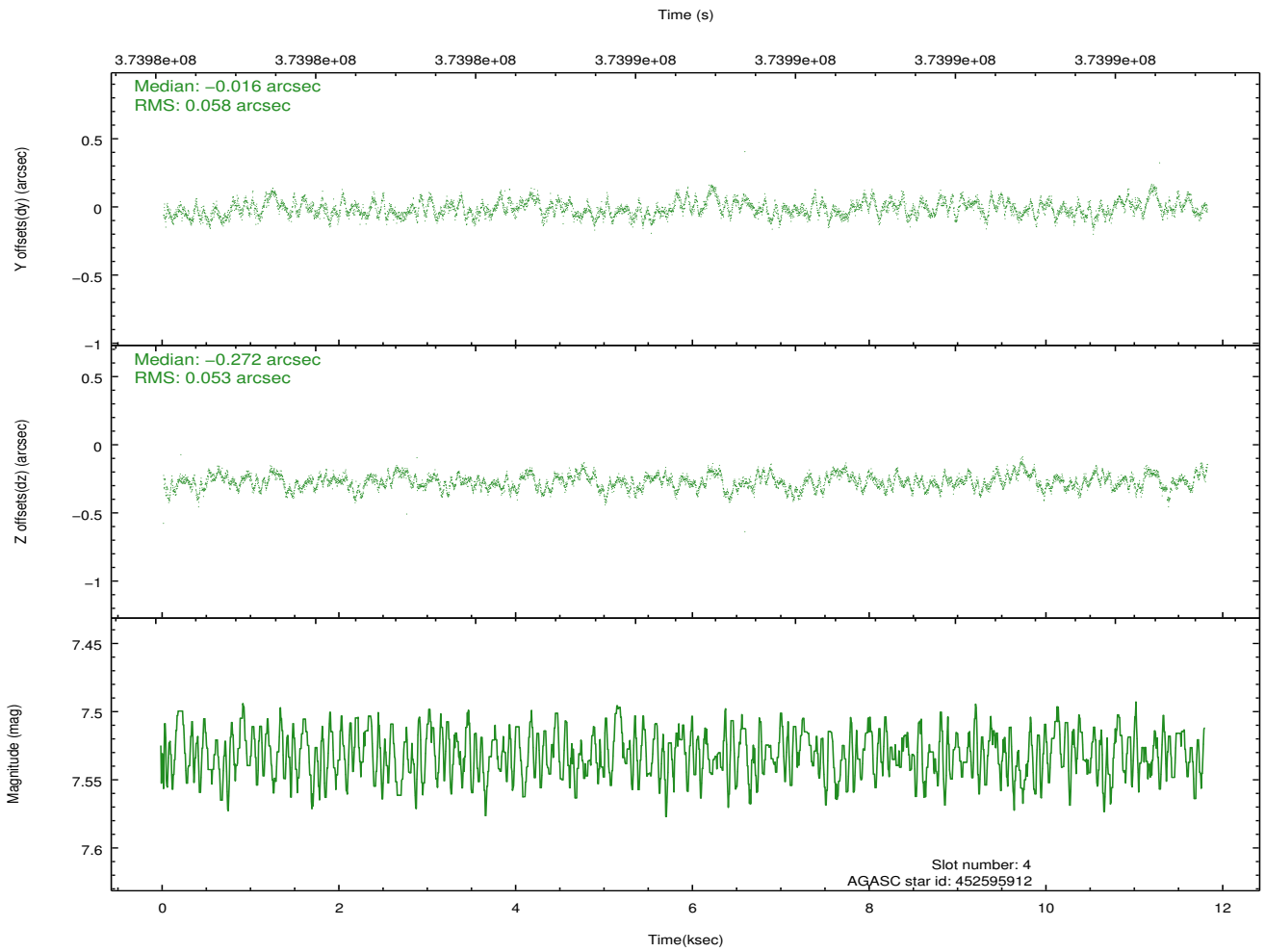
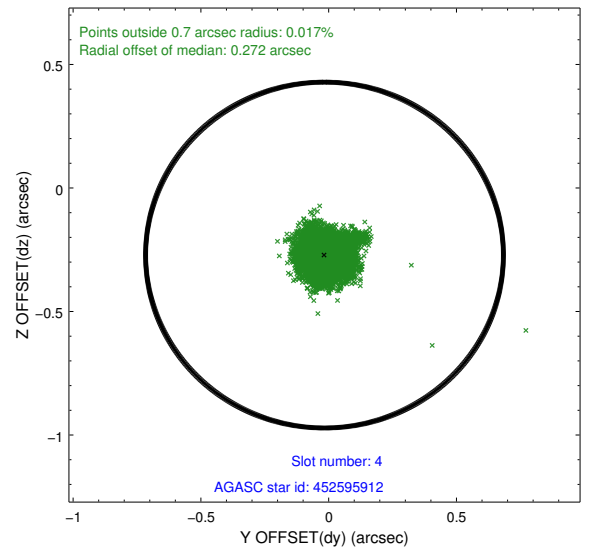
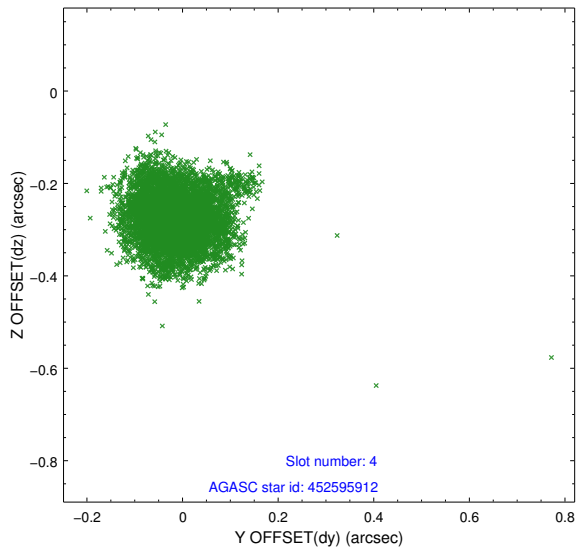
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.91	2882	-0.104	-0.068	0.008	0.016	0.000000	0.000000	-766.23	-1736.13
1	FID	ACIS-S-4	6.99	2882	0.114	0.052	0.007	0.012	0.000000	0.000000	2147.07	172.03
2	FID	ACIS-S-6	7.13	2881	-0.039	0.022	0.008	0.012	0.000000	0.000000	396.36	809.88
3	GUIDE	452595480	8.47	5761	-0.129	0.219	0.087	0.136	170.896370	51.486670	1588.27	-1633.17
4	GUIDE	452595912	7.53	5763	-0.016	-0.272	0.083	0.132	170.236486	51.761194	1288.10	116.46
5	GUIDE	452598696	8.71	5758	0.051	-0.217	0.098	0.153	169.310397	51.161919	-1704.32	169.06
6	GUIDE	452600688	10.19	5753	0.088	0.273	0.198	0.314	170.238287	50.792739	-1246.43	-2275.55
7	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00

2.4 Star Slots

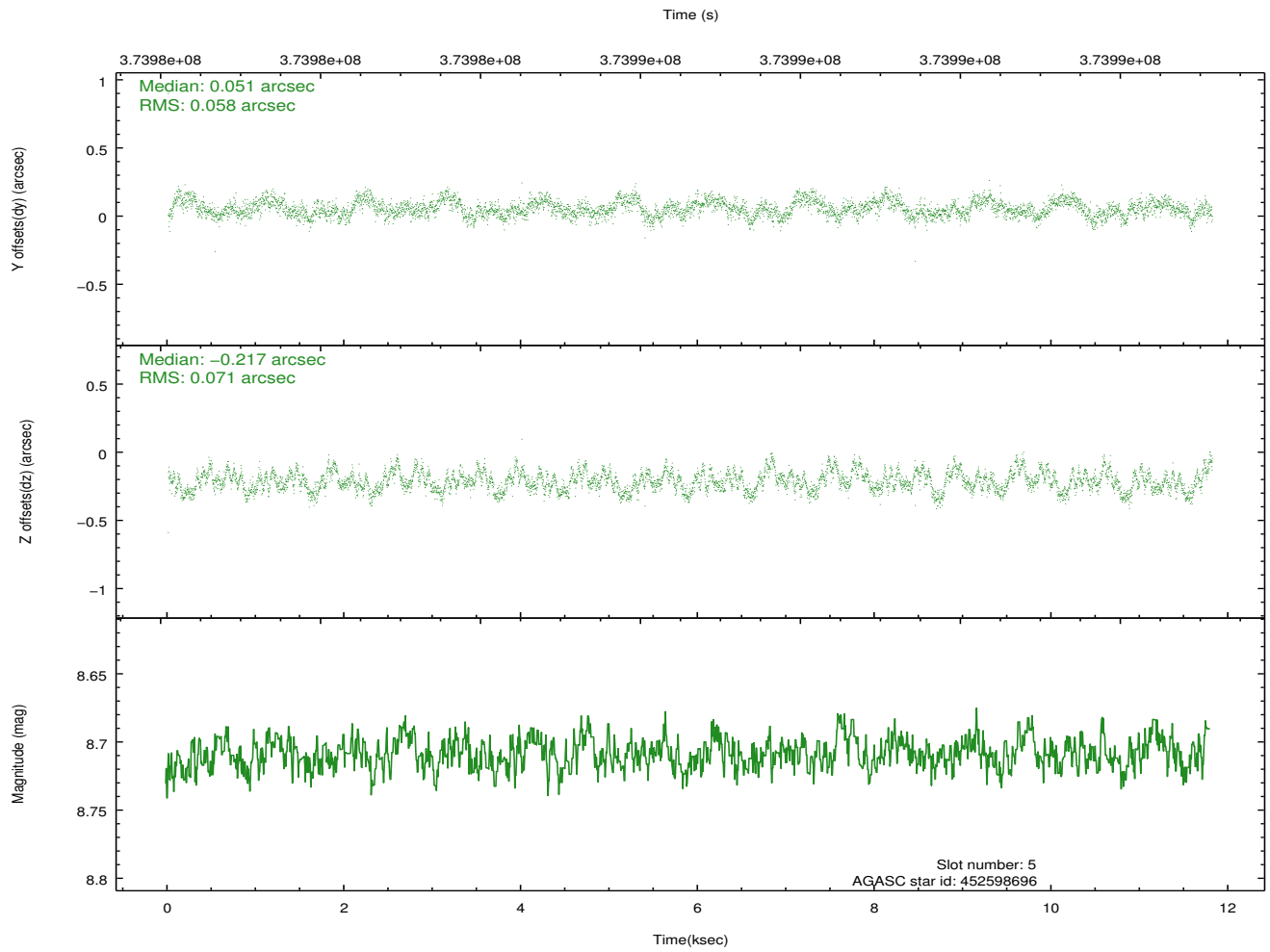
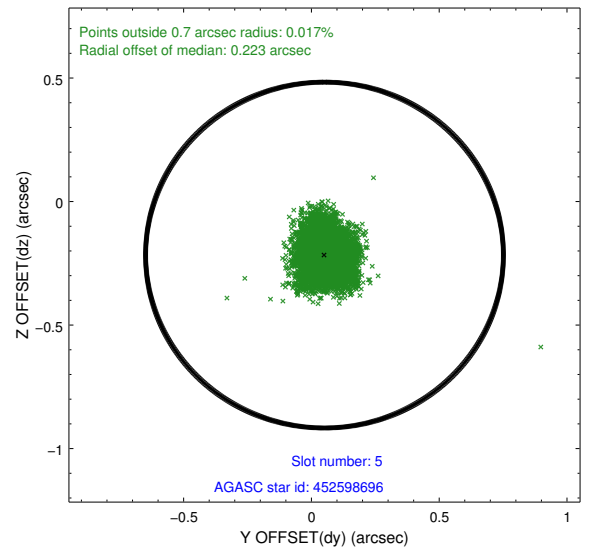
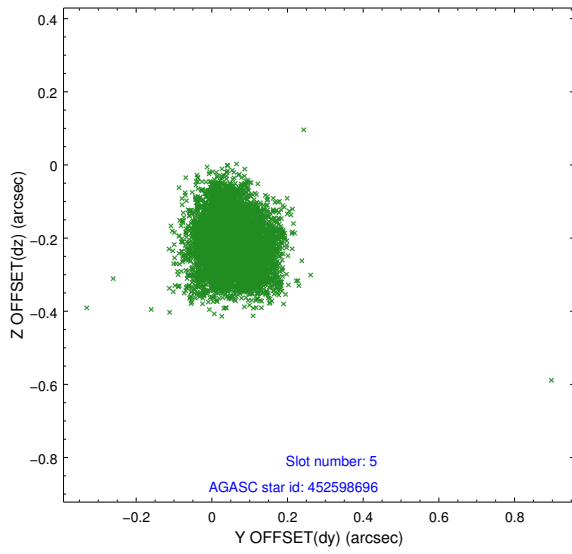
2.4.1 Slot 3



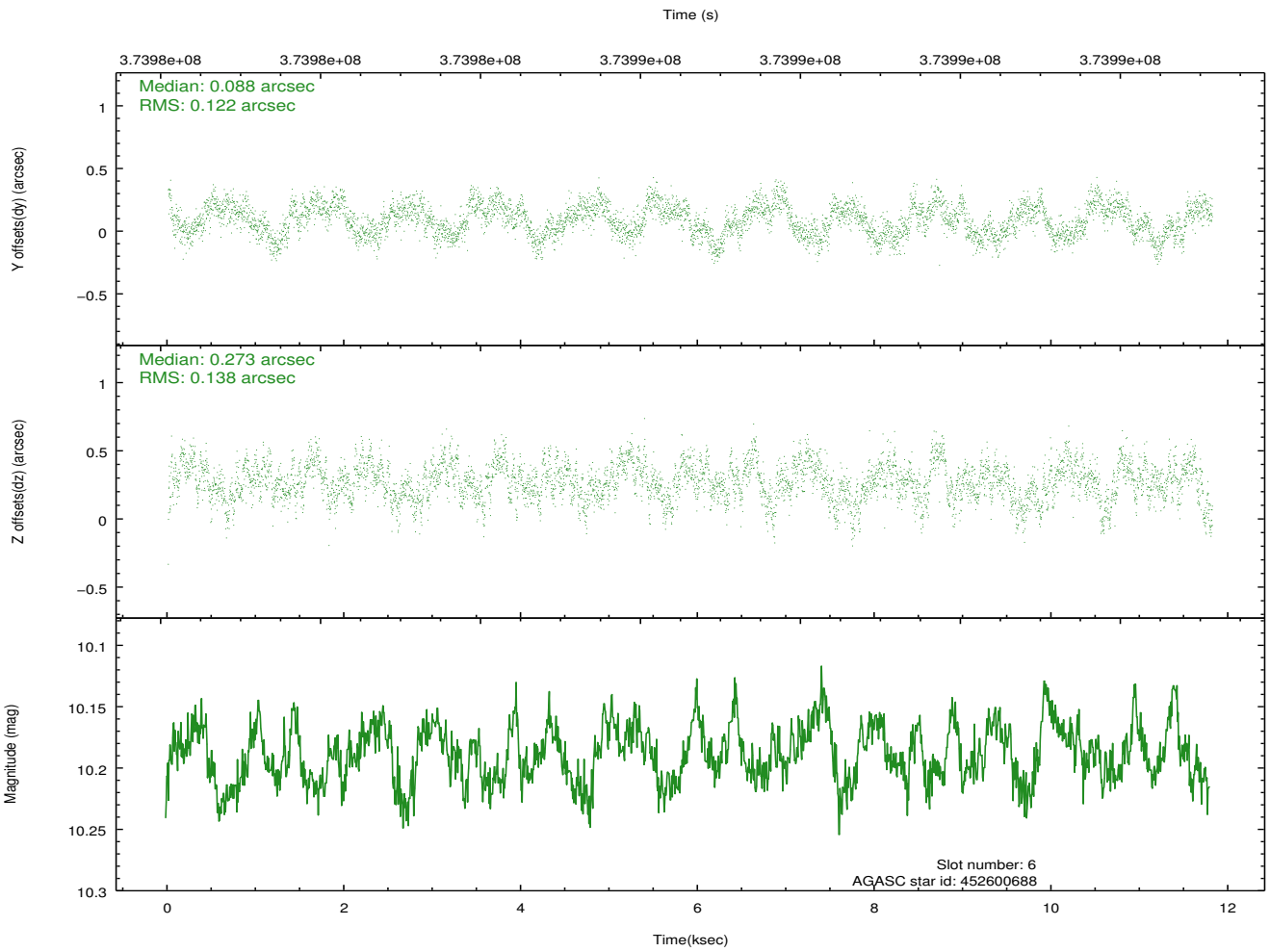
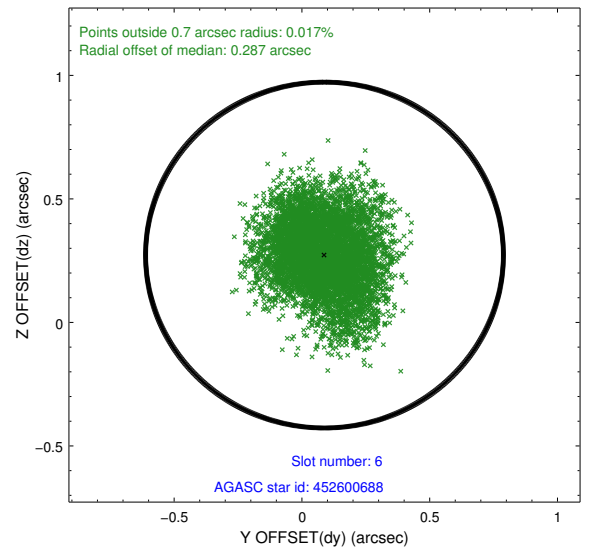
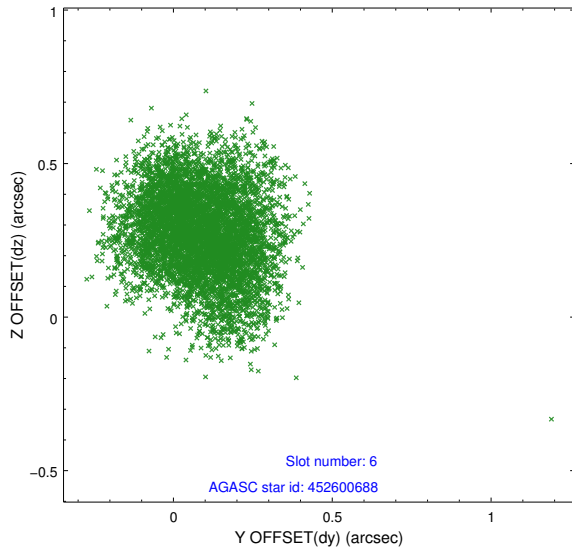
2.4.2 Slot 4



2.4.3 Slot 5

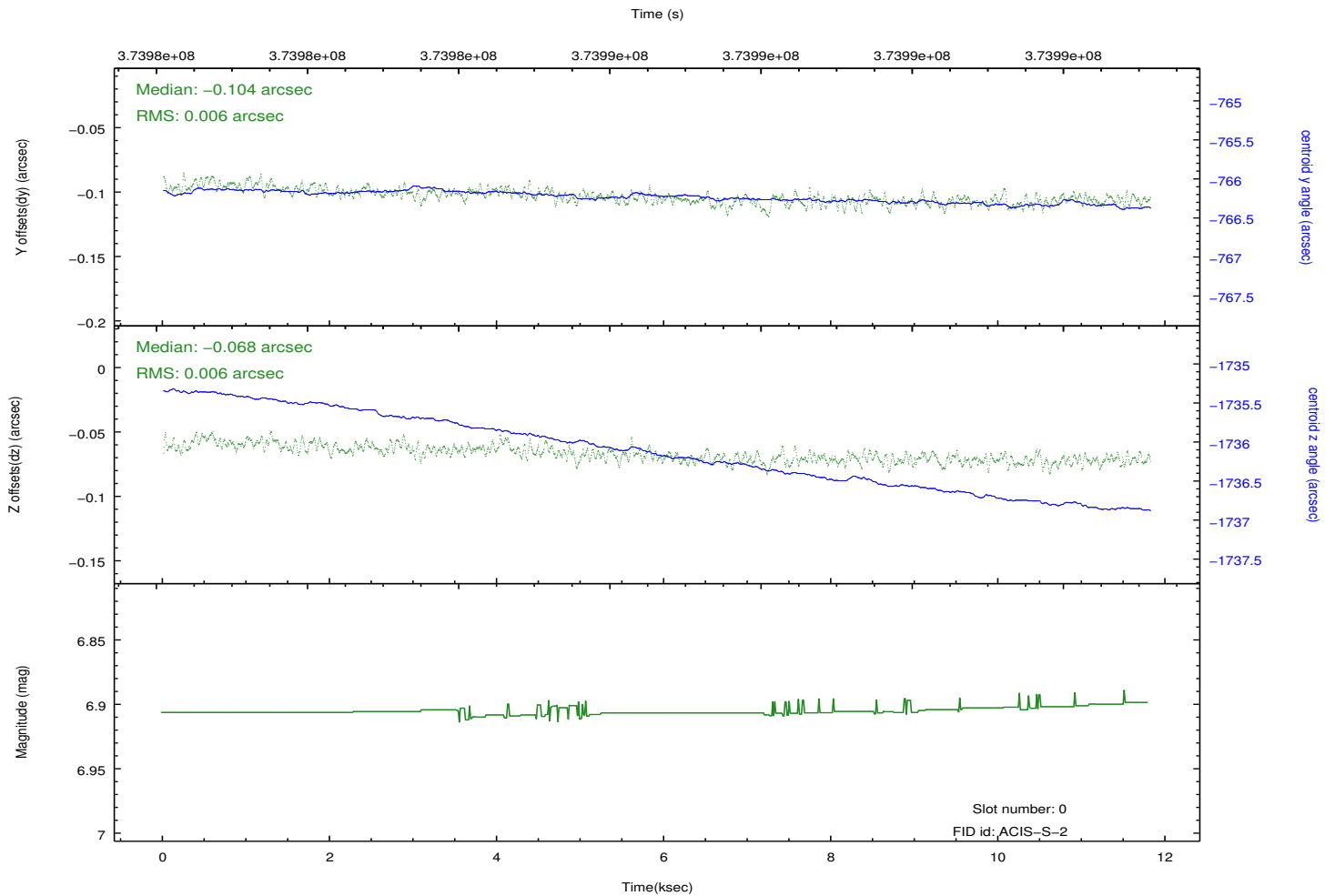
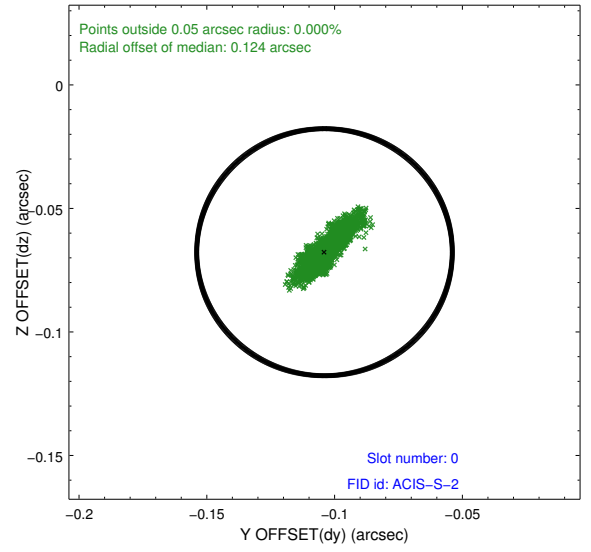
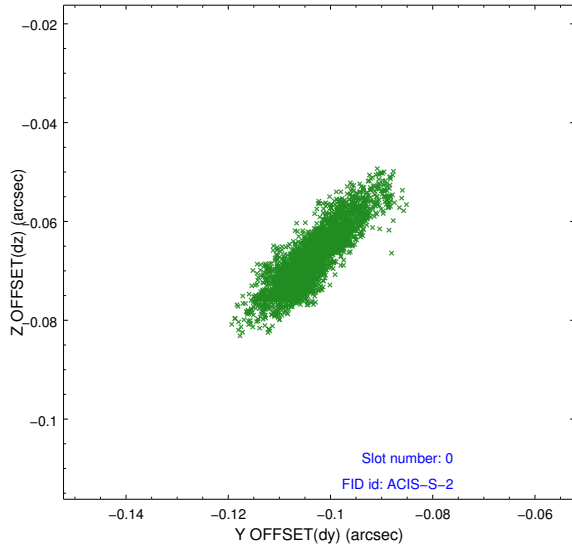


2.4.4 Slot 6

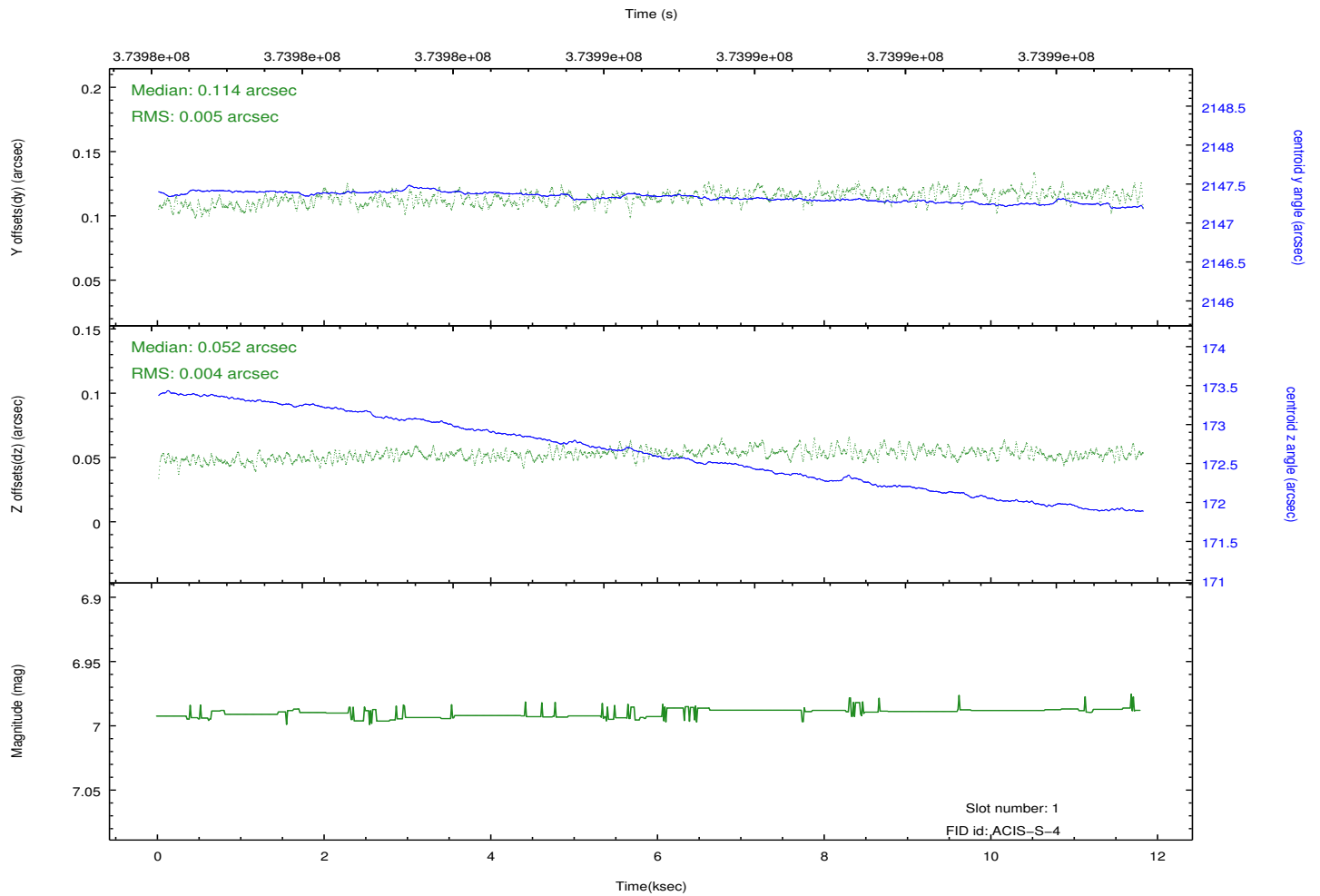
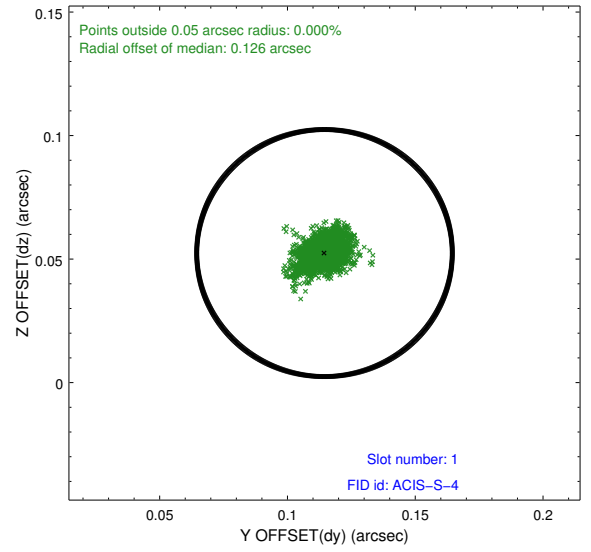
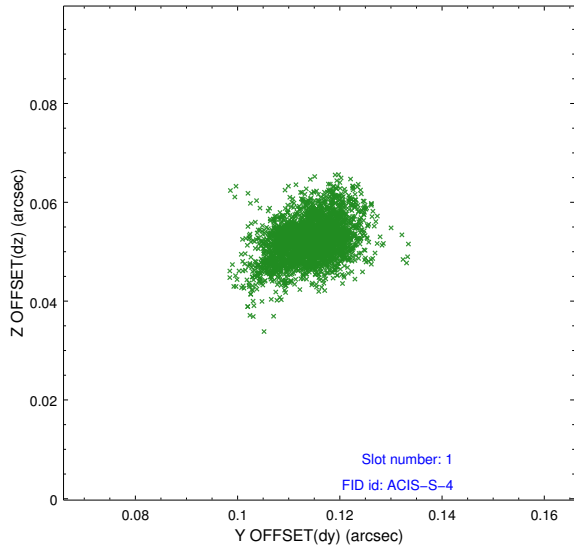


2.5 FID Slots

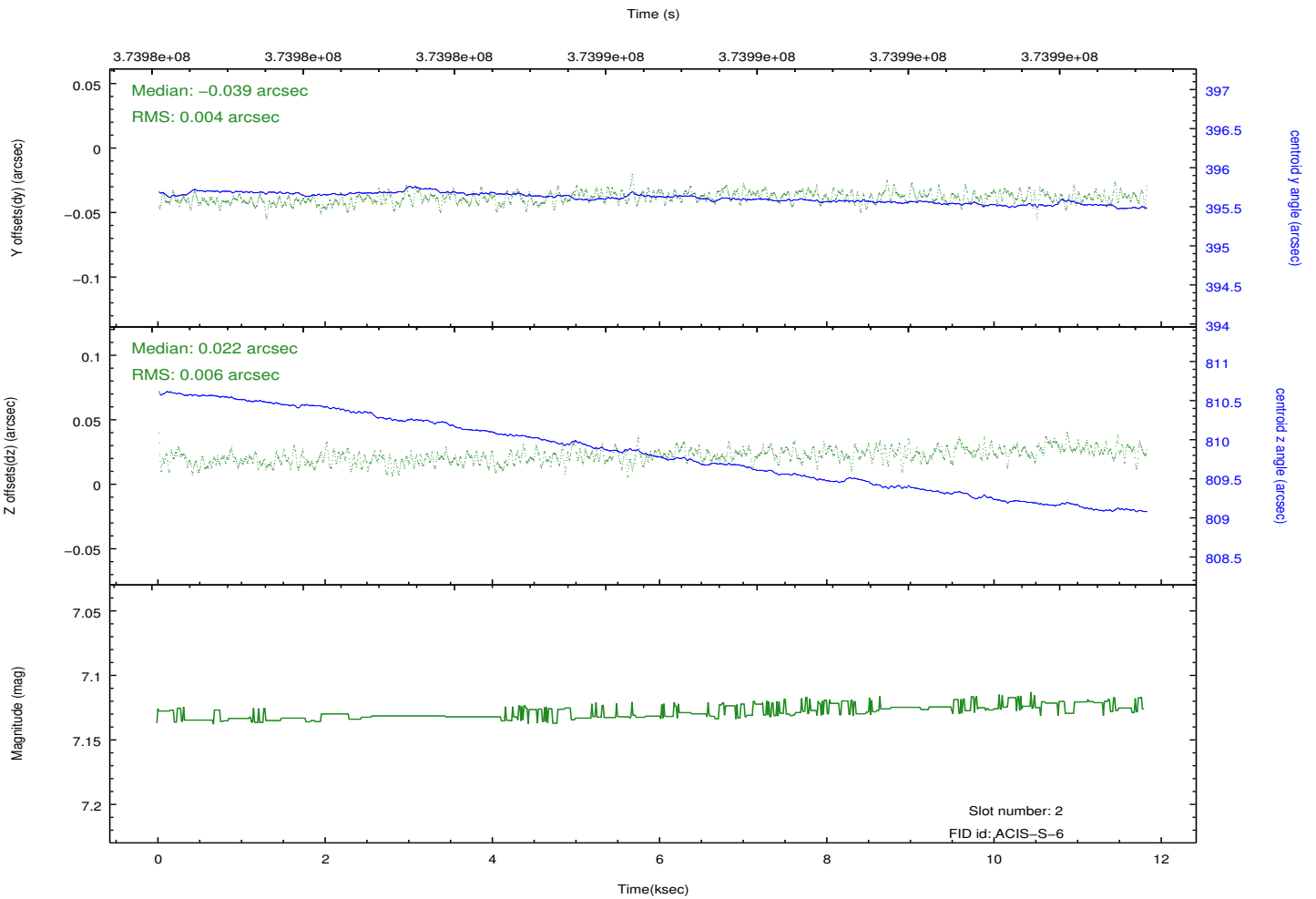
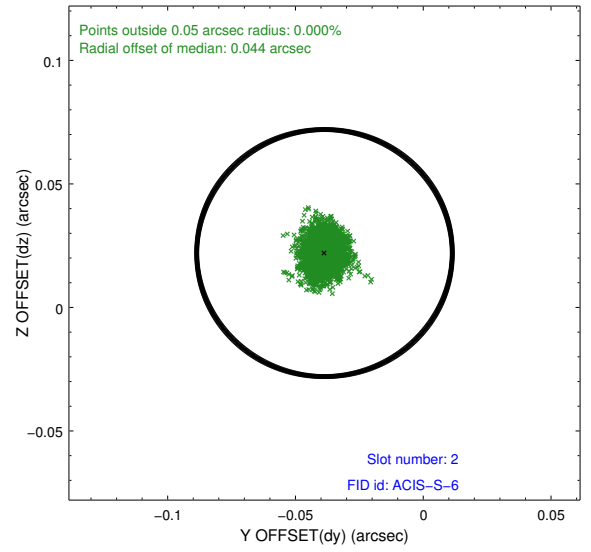
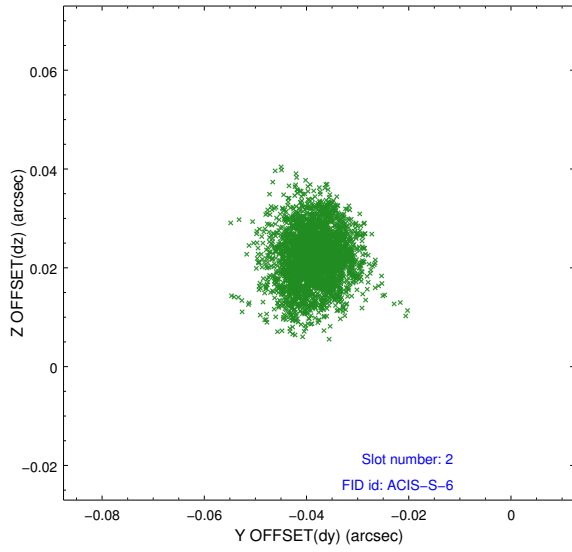
2.5.1 Slot 0



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)	2012.06.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	11.805

A.2 Comments

Joint proposal with HST.

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The guide star in slot 7 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this guide star from the solution.