

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9776 - L2 Version 2
Chandra X-Ray Center

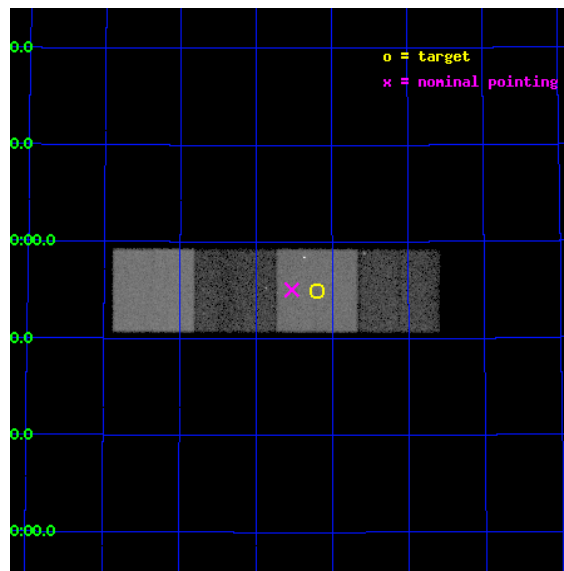
L2 Processing Date : May 5 2012

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1 Front

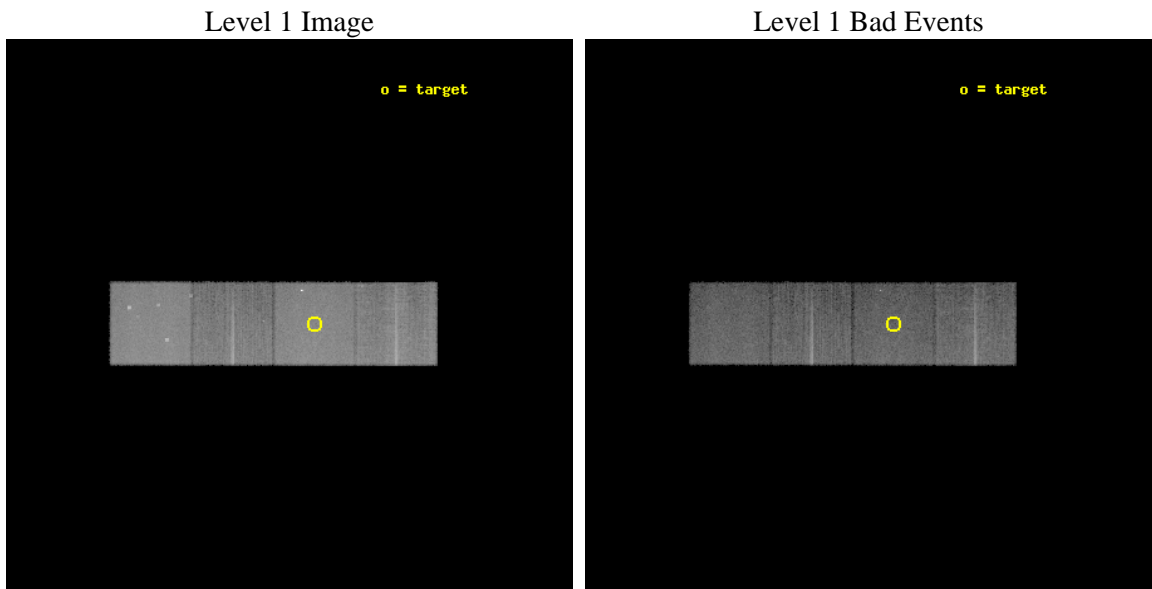
seq_num	600709	Sequence number
obs_id	9776	Observation id
title	Testing binary evolution in pristine ancient dwarf galaxies	Propos
observer	Dr. R. Di Stefano	Principal investigator
object	Draco	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	260.051667	Observer's specified target RA [deg]
dec_targ	57.915278	Observer's specified target Dec [deg]
ra_nom	260.1322259929	Nominal RA [deg]
dec_nom	57.917793087306	Nominal Dec [deg]
roll_nom	0.088379240625674	Nominal Roll [deg]
revision	2	Processing version of data
ontime	12148.900093436	Sum of GTIs [s]
livetime	11990.165769825	Livetime [s]
ontime5	12148.900093436	Sum of GTIs [s]
ontime6	12148.900093436	Sum of GTIs [s]
ontime7	12148.900093436	Sum of GTIs [s]
ontime8	12148.900093436	Sum of GTIs [s]
l2events	179768	Number of level 2 events



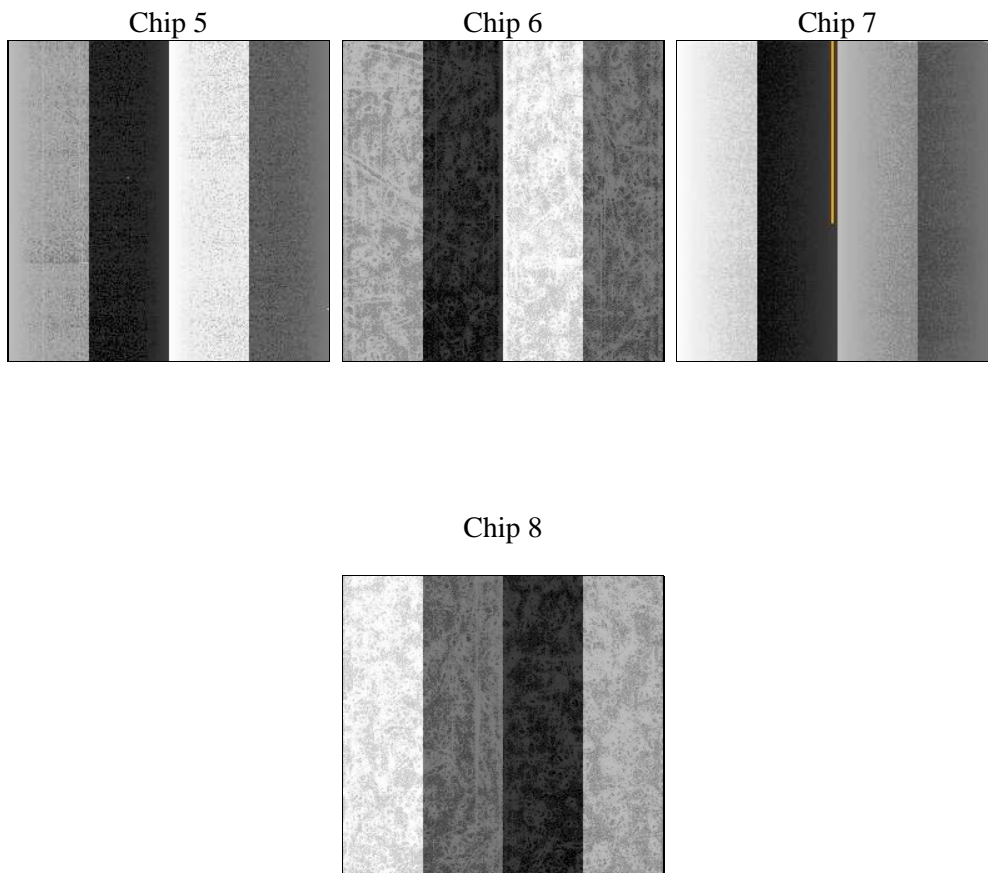
2 OBI

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	8.4.4	Processing system revision	ontime	12148.900093436	Sum of GTIs [s]
caldsver	4.4.9	 	ontime5	12148.900093436	Sum of GTIs [s]
date	2012-05-05T22:11:19	Date and time of file creation	ontime6	12148.900093436	Sum of GTIs [s]
revision	2	Processing version of data	ontime7	12148.900093436	Sum of GTIs [s]
			ontime8	12148.900093436	Sum of GTIs [s]
			l1events	646724	Number of level 1 events

2.1.4 Events

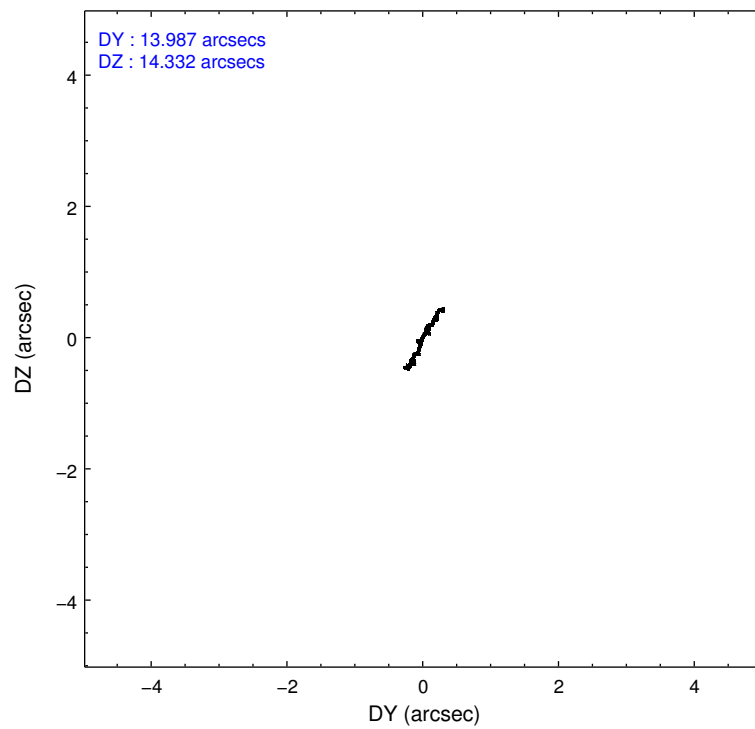
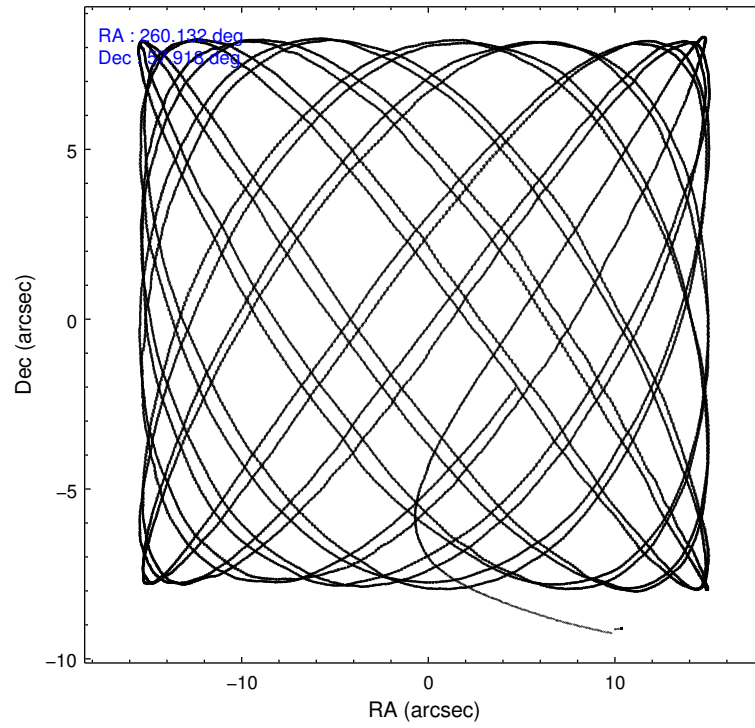
	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	189605	123684	173866	159569
rejected events	102799	108760	101100	124621
rejected %	54%	87%	58%	78%

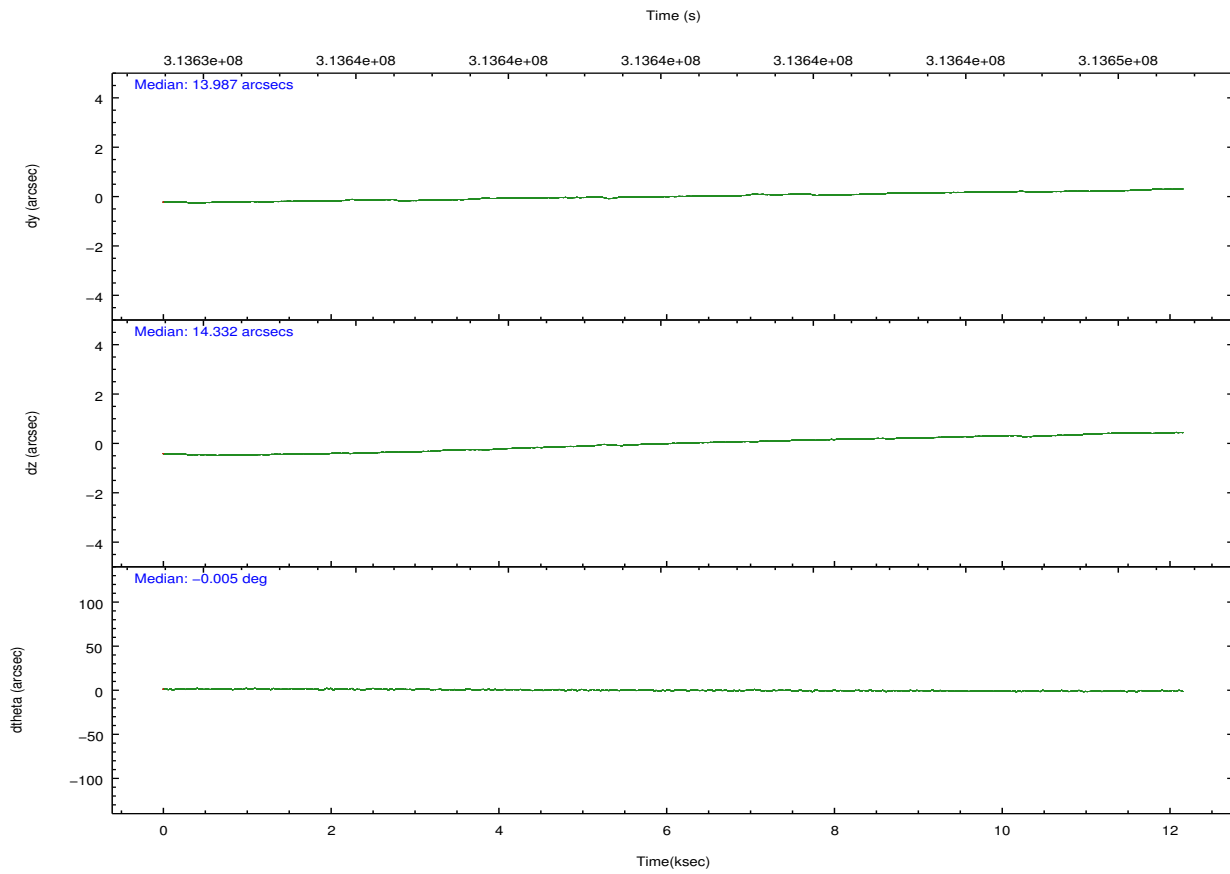
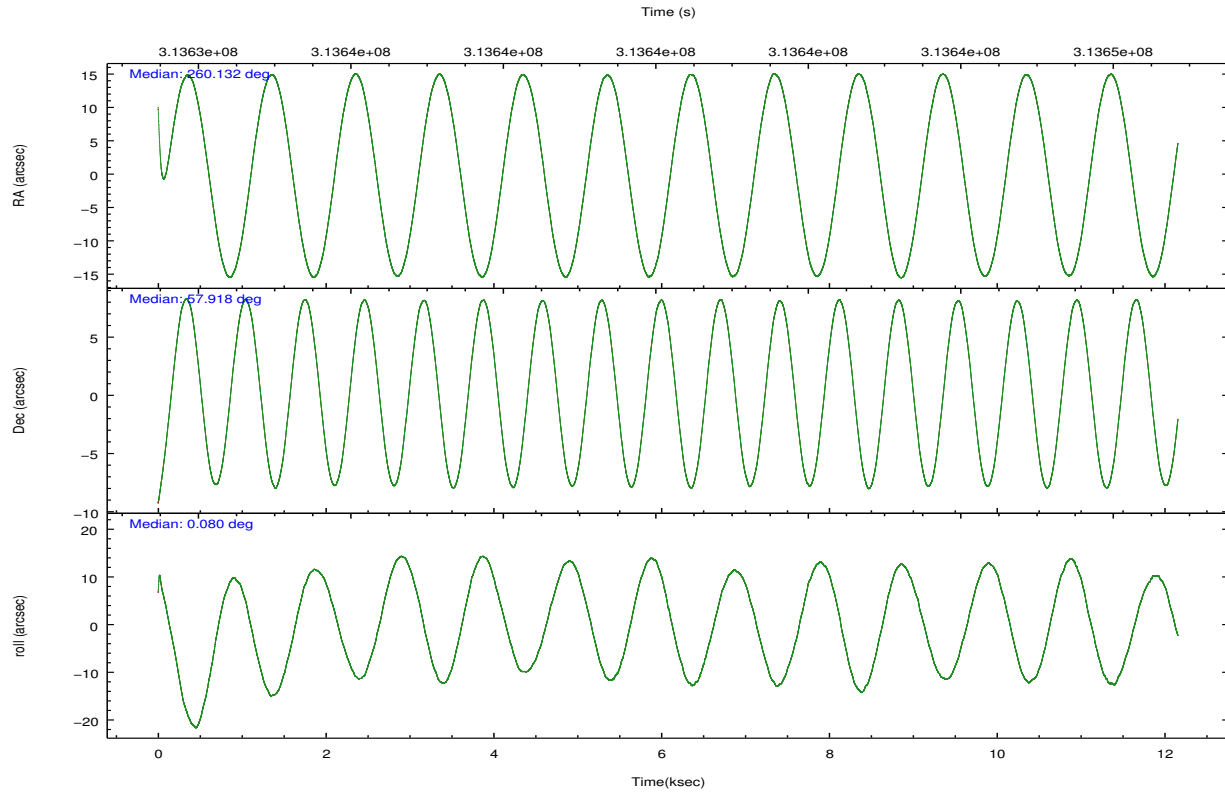
	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	8780	5965	7111	11374
	4%	4%	4%	7%
grade 1 events	387	69	229	121
	0%	0%	0%	0%
grade 2 events	26895	3299	15336	7896
	14%	2%	8%	4%
grade 3 events	3362	1467	6542	3722
	1%	1%	3%	2%
grade 4 events	3235	1432	6495	3504
	1%	1%	3%	2%
grade 5 events	13483	5845	16143	7738
	7%	4%	9%	4%
grade 6 events	46568	3048	38841	9021
	24%	2%	22%	5%
grade 7 events	86895	102559	83169	116193
	45%	82%	47%	72%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-5678	ACIS-5678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	260.088054	260.132225992902	Subarray requested	NONE	NONE
[deg] Pointing Dec	57.903773	57.91779308730572	Alternating exposures requested	N	N
[deg] Pointing Roll	359.969168	0.08837924062567368	[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)	313634233.184000	313633179.31099			
Observation start date	2007-12-10T00:36:08	2007-12-10T00:19:39			
[s] Observation end time (MET)	313646233.184000	313646750.31165			
Observation end date	2007-12-10T03:56:08	2007-12-10T04:05:50			
Read mode	TIMED	TIMED			

2.3 Aspect



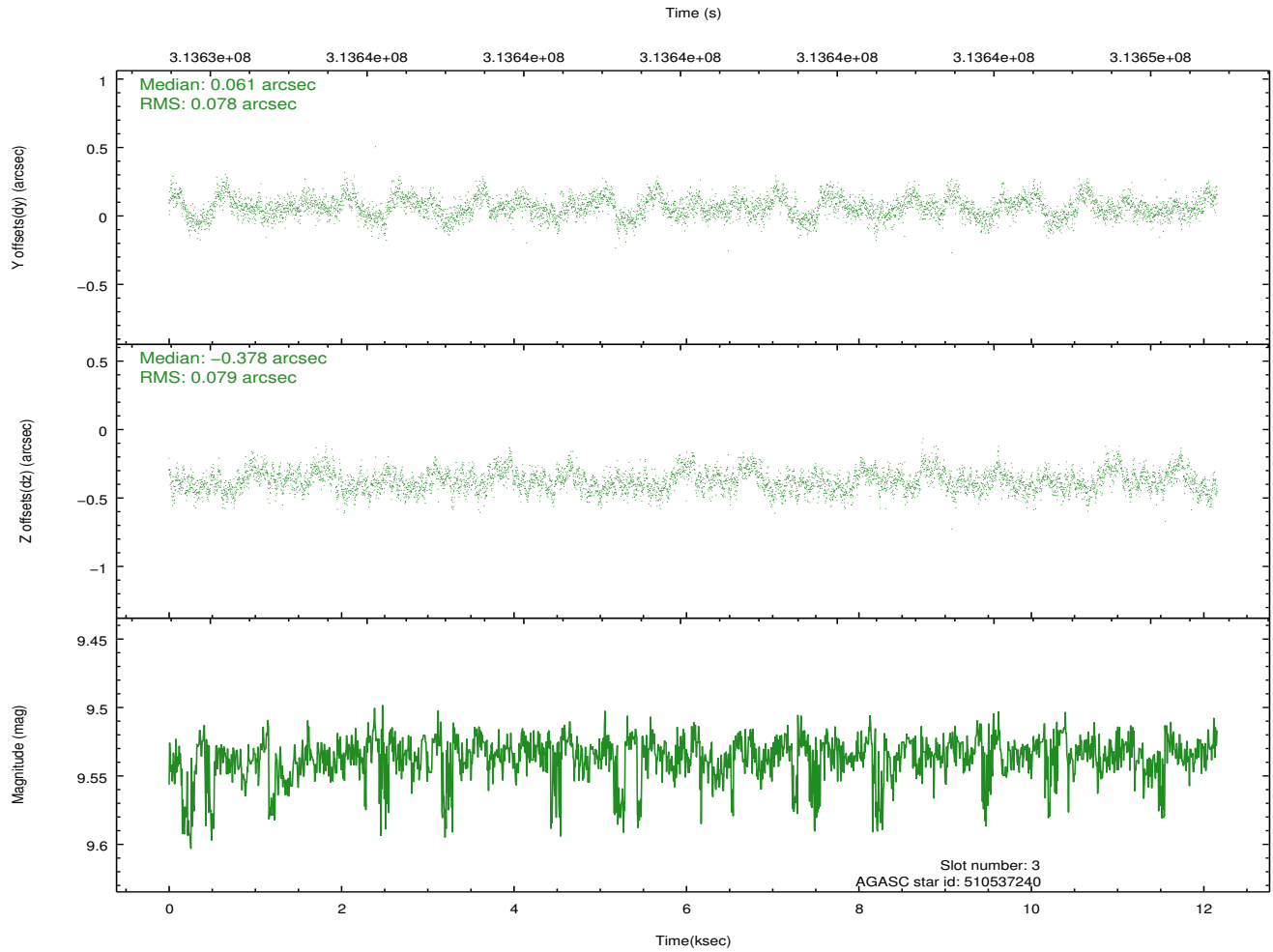
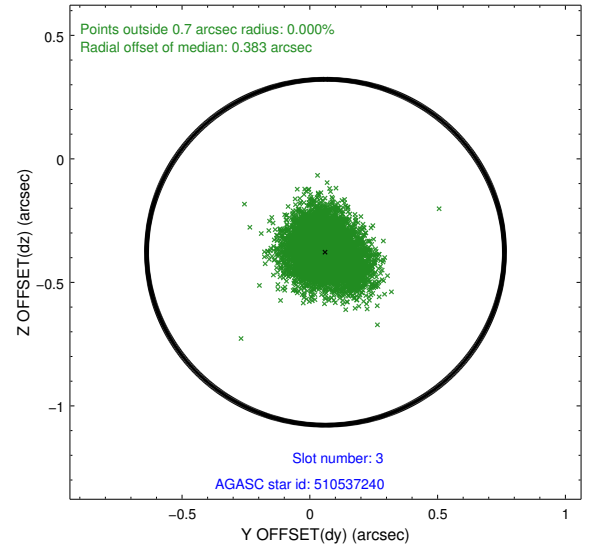
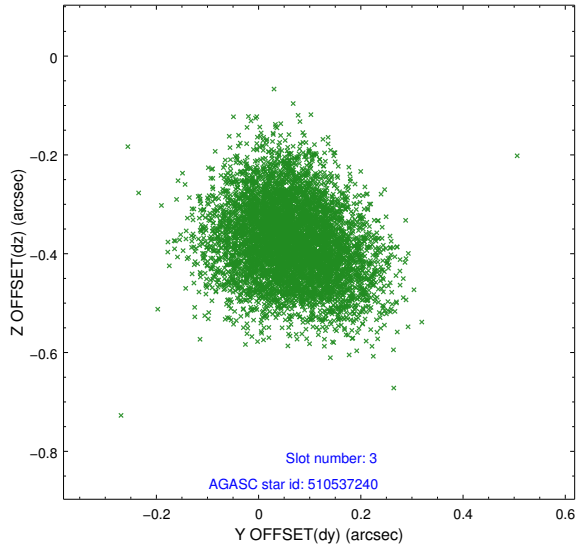


Slot Statistics

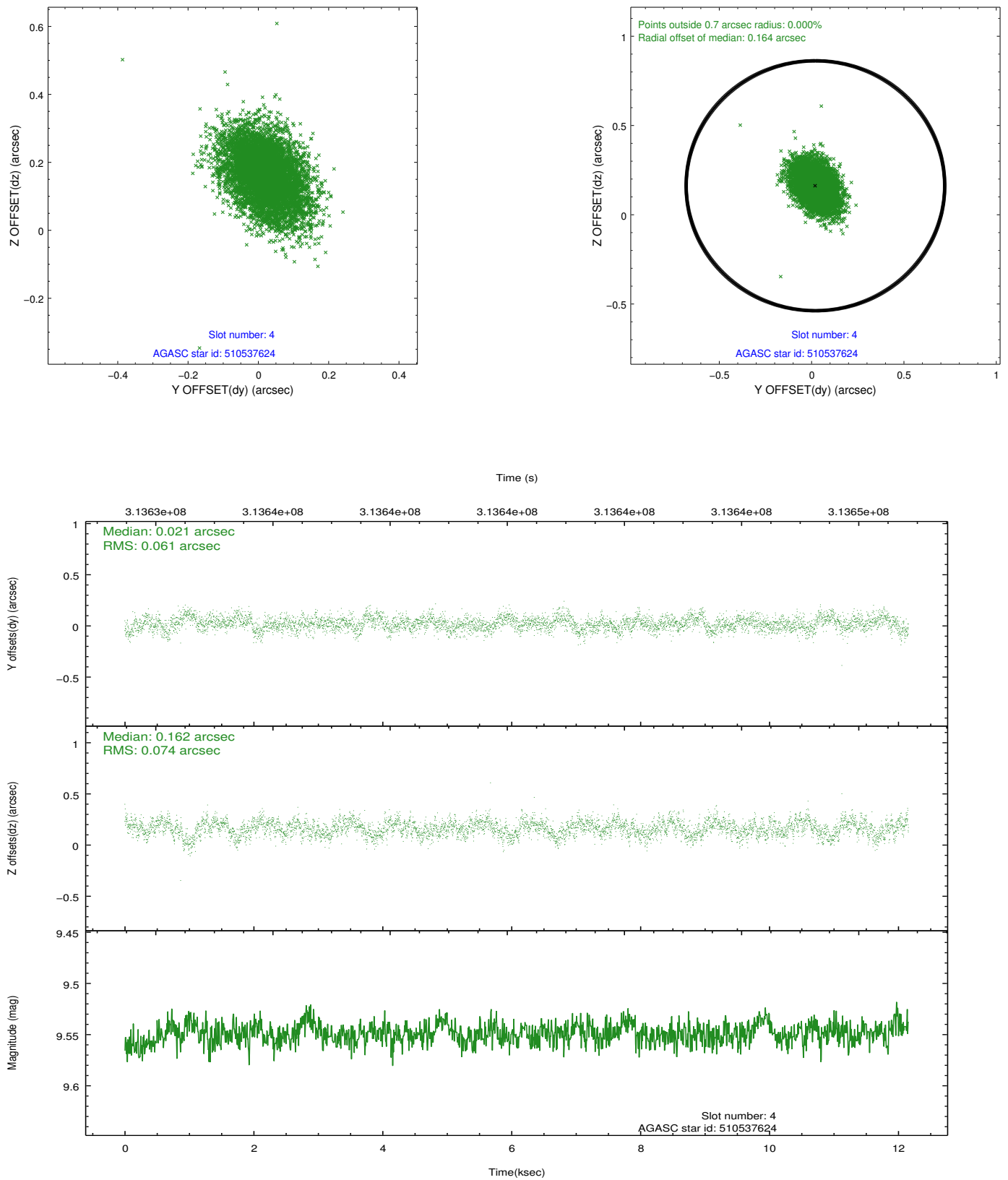
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	2966	0.038	-0.005	0.013	0.020	0.000000	0.000000	929.13	-1731.25
1	FID	ACIS-S-4	7.19	2966	0.134	-0.010	0.017	0.027	0.000000	0.000000	2146.85	172.48
2	FID	ACIS-S-5	7.22	2965	-0.197	0.028	0.007	0.013	0.000000	0.000000	-1819.46	166.57
3	GUIDE	510537240	9.53	5916	0.061	-0.378	0.118	0.188	259.436318	57.923115	-1245.60	74.40
4	GUIDE	510537624	9.55	5927	0.021	0.162	0.100	0.166	259.862211	57.989137	-431.02	307.89
5	GUIDE	510661040	8.41	5930	-0.067	-0.035	0.067	0.112	260.677615	58.091472	1121.73	681.20
6	GUIDE	510661936	8.32	5928	-0.152	0.044	0.062	0.099	261.068212	57.791678	1881.36	-388.62
7	GUIDE	511057576	9.45	5920	0.130	0.211	0.117	0.182	259.625490	58.358623	-873.96	1640.24

2.4 Star Slots

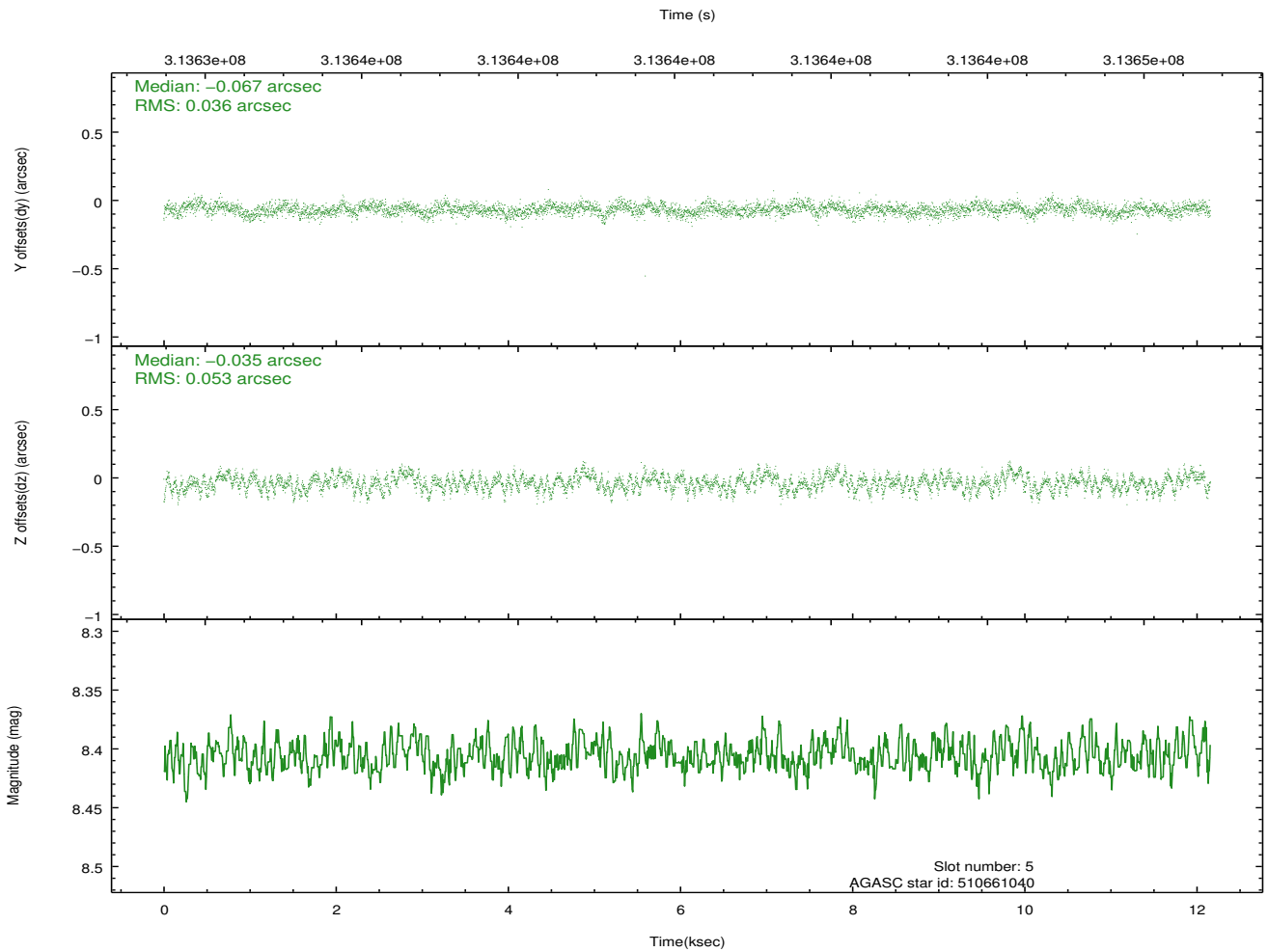
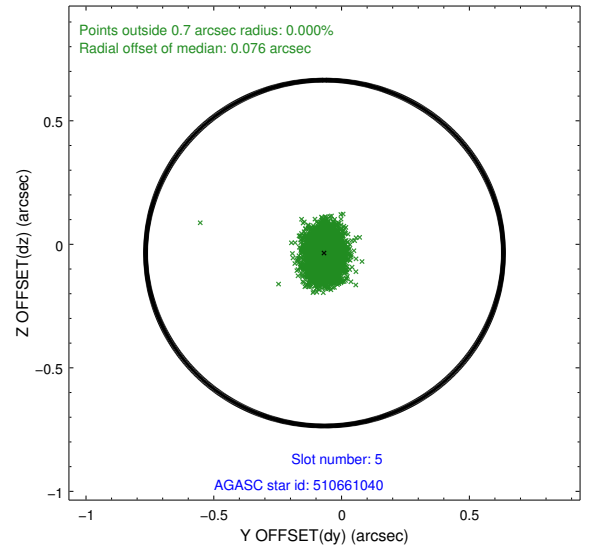
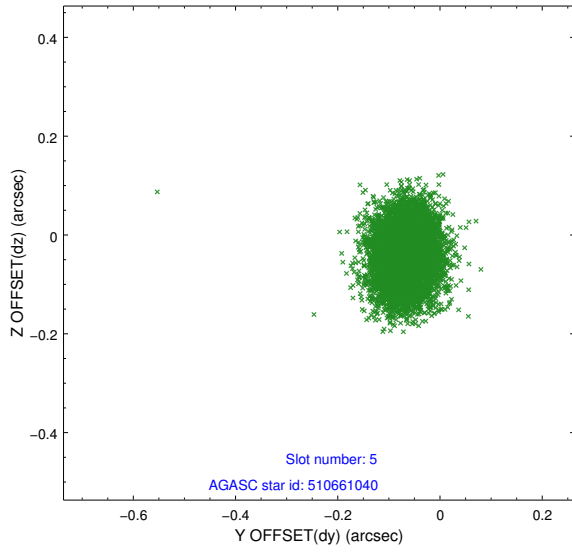
2.4.1 Slot 3



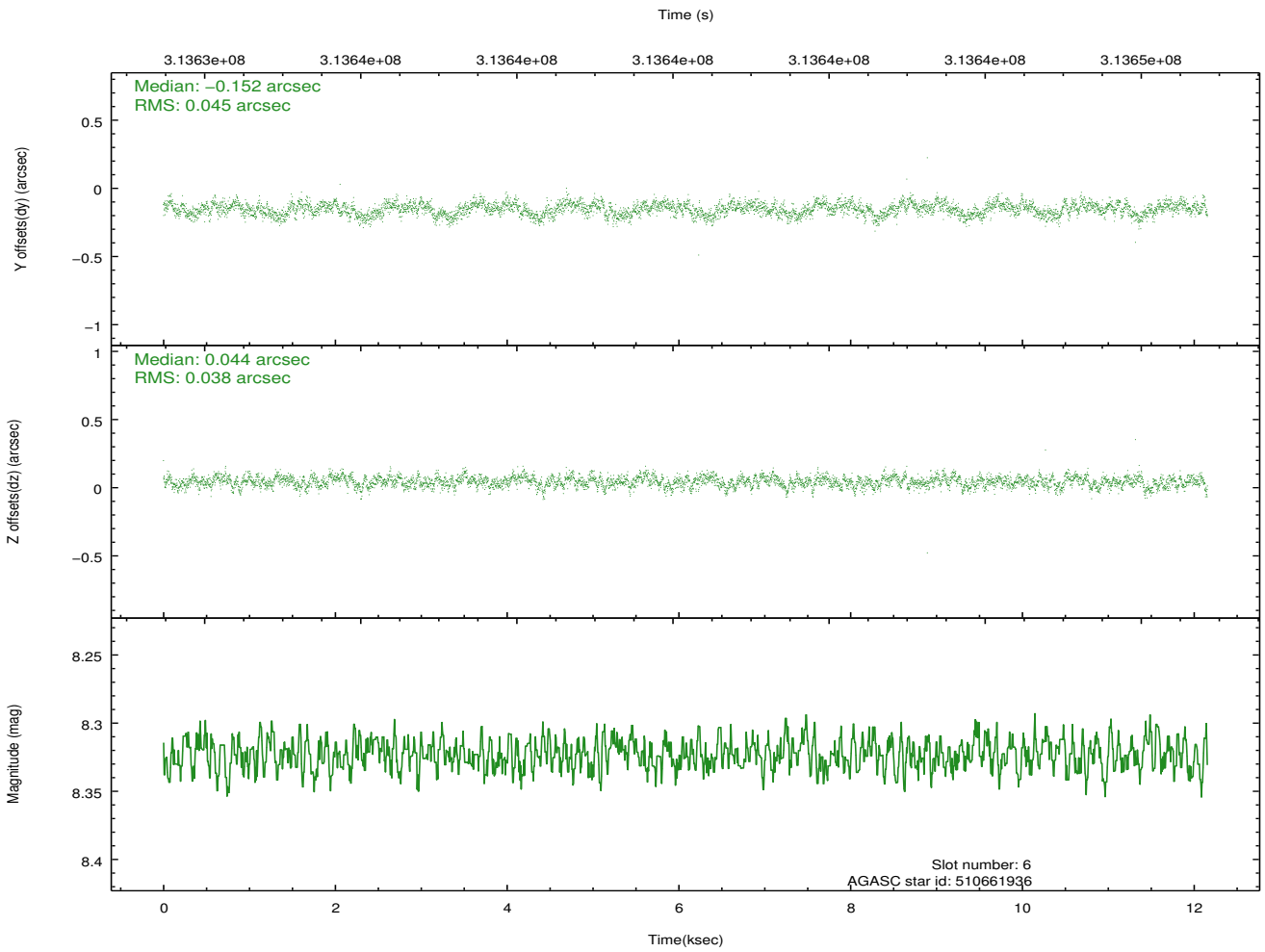
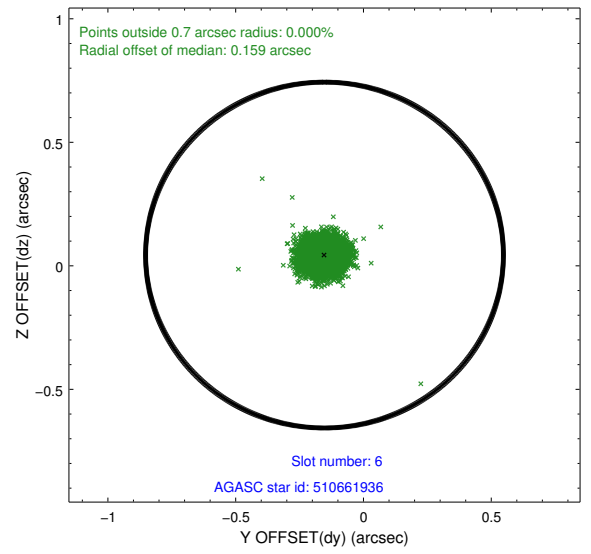
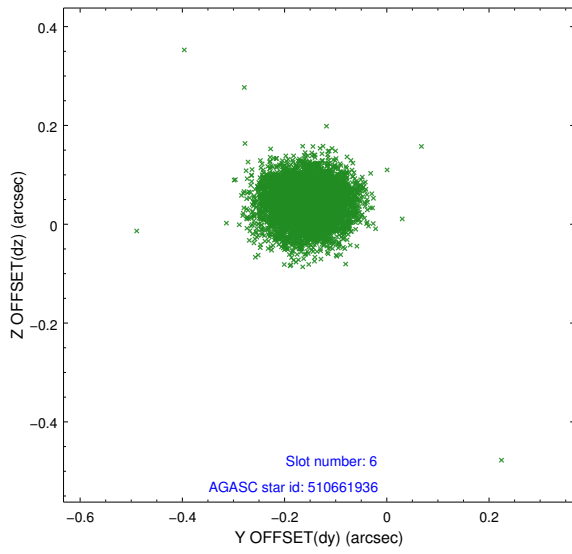
2.4.2 Slot 4



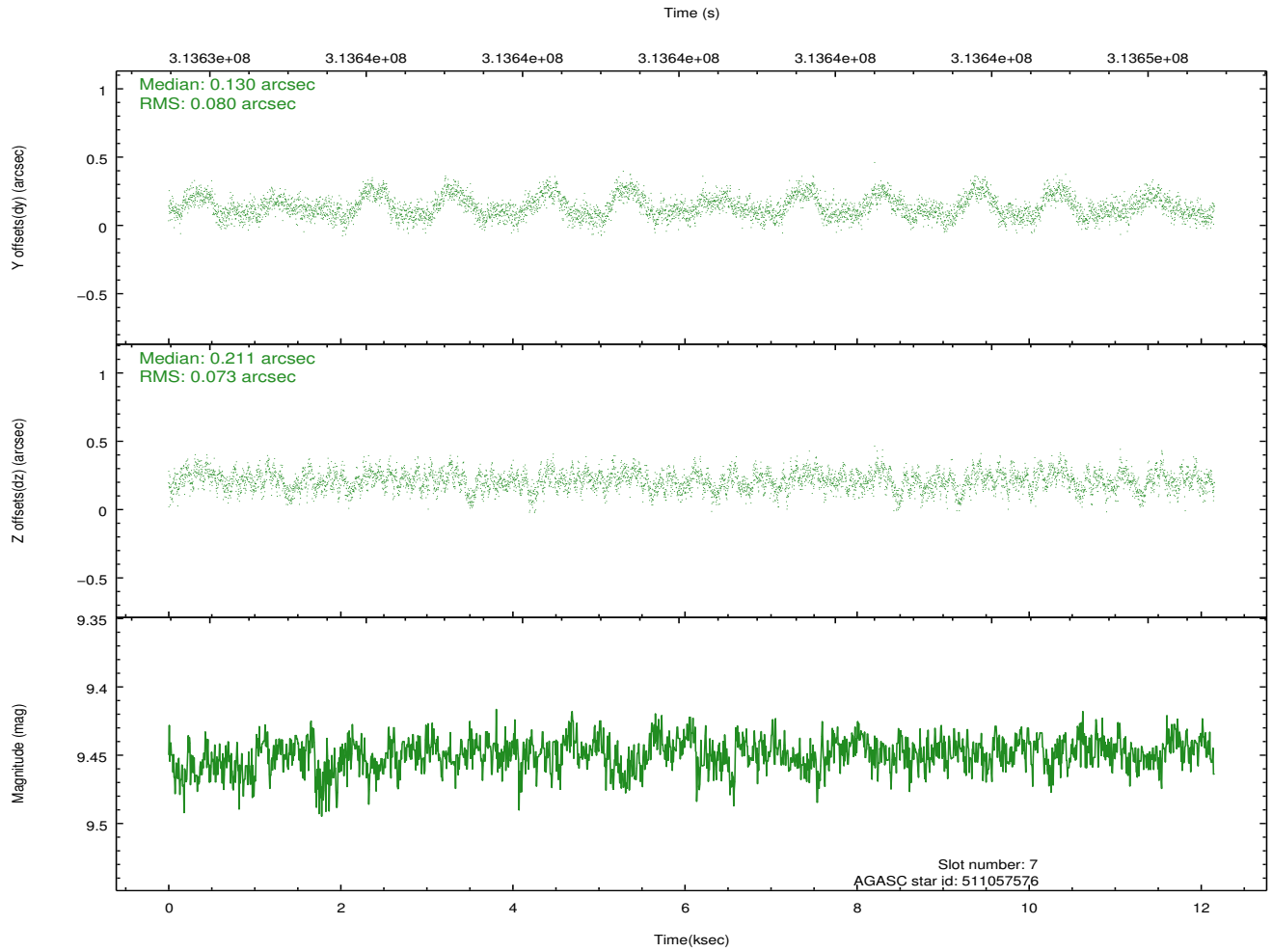
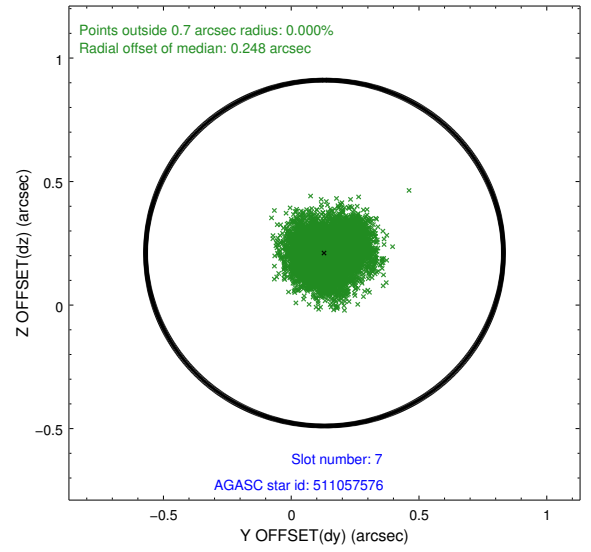
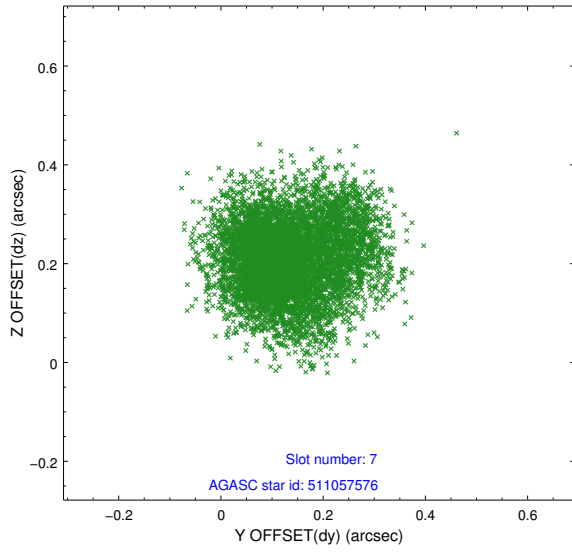
2.4.3 Slot 5



2.4.4 Slot 6

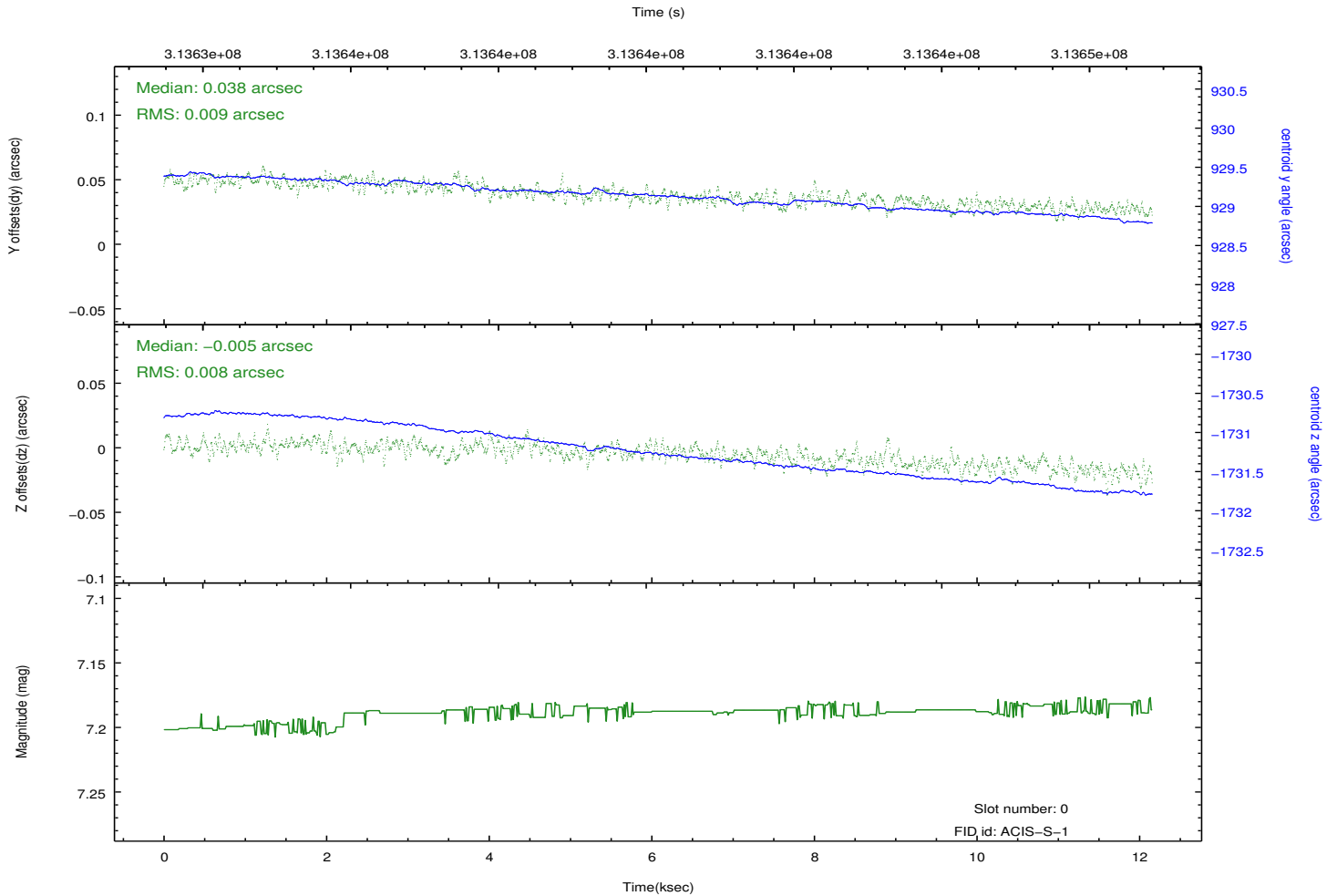
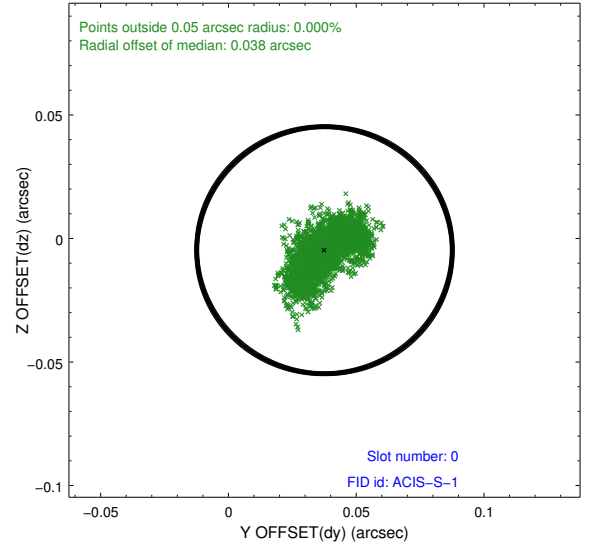
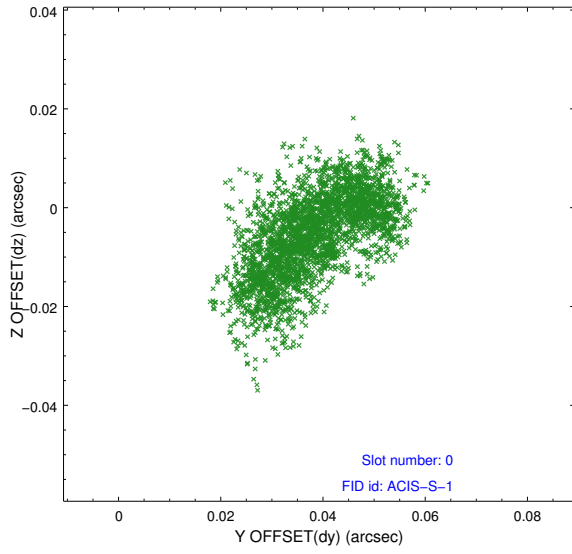


2.4.5 Slot 7

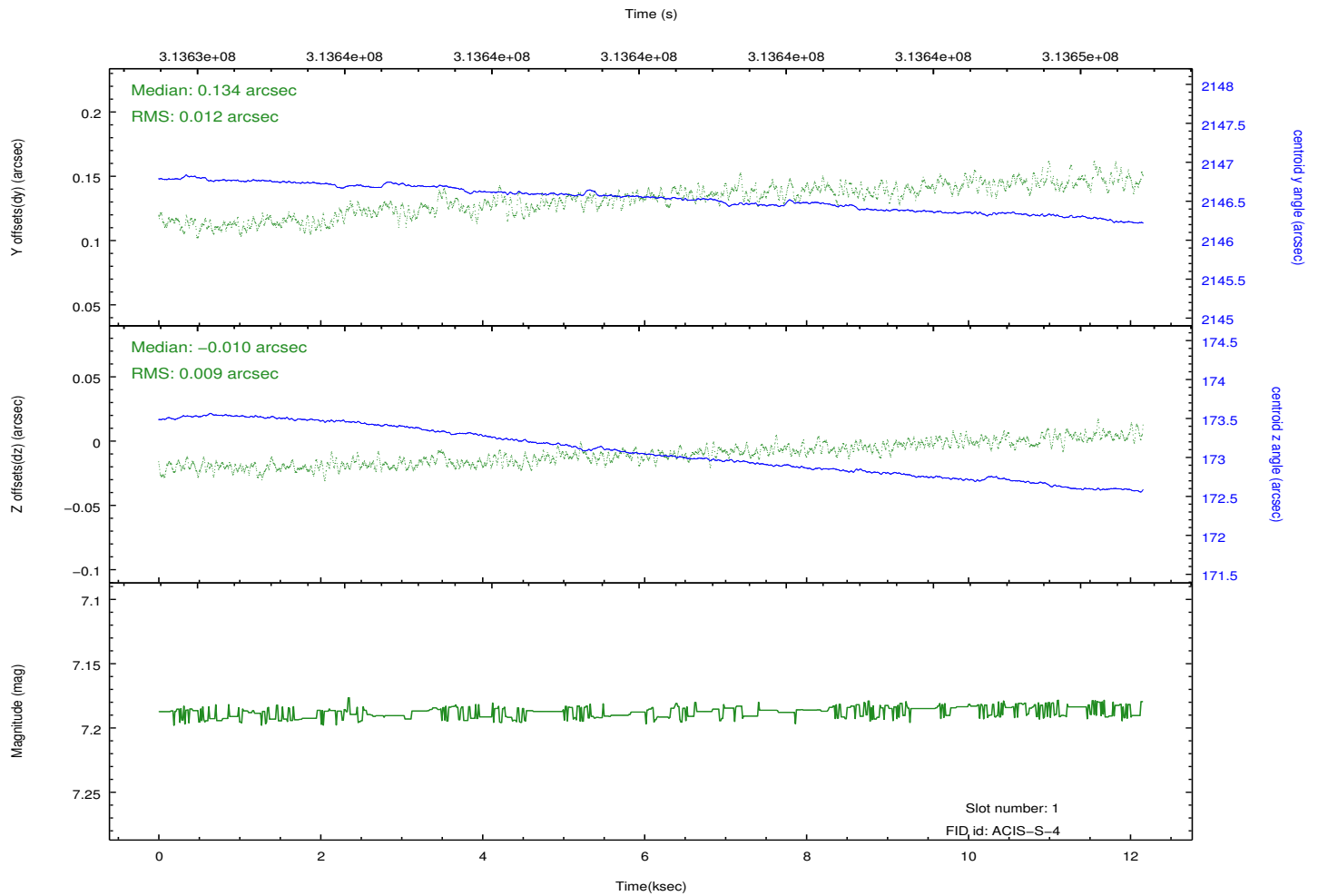
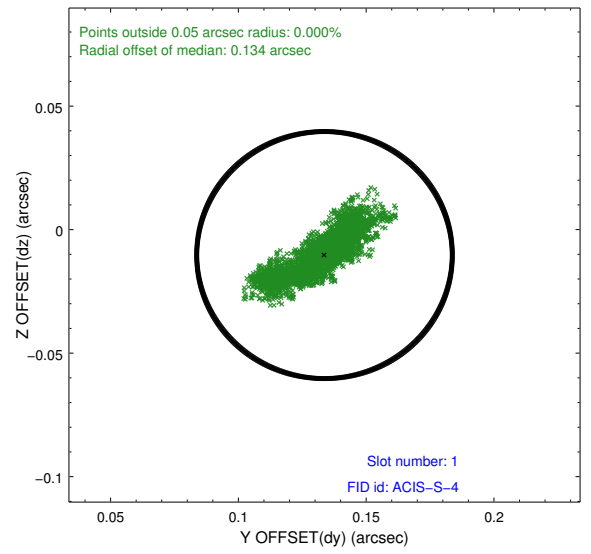
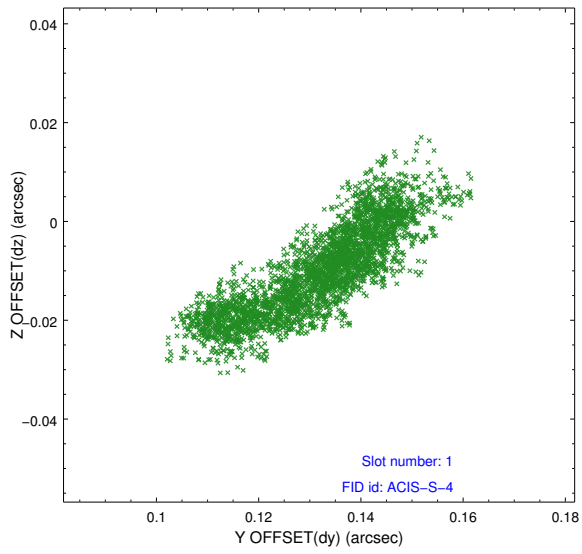


2.5 FID Slots

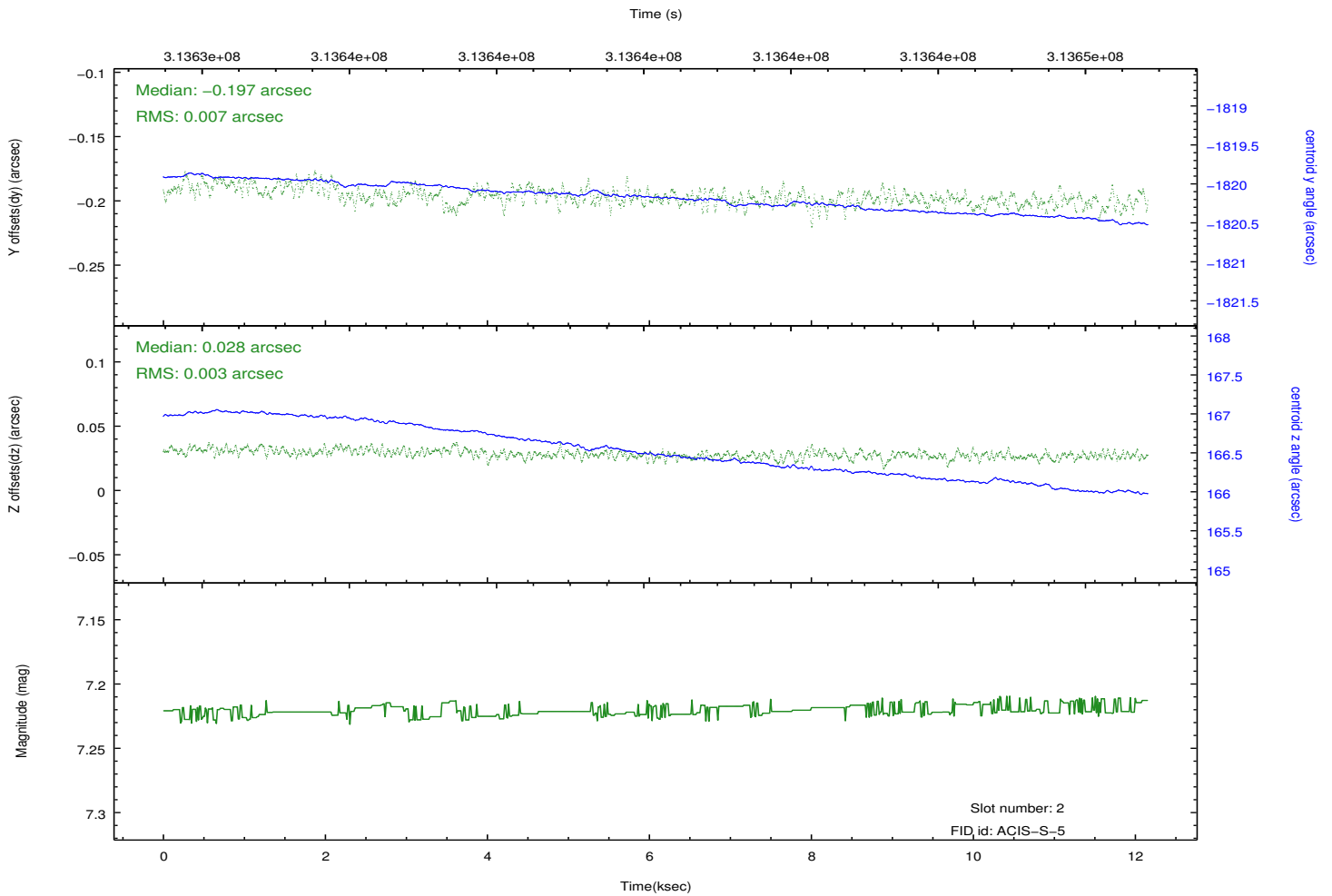
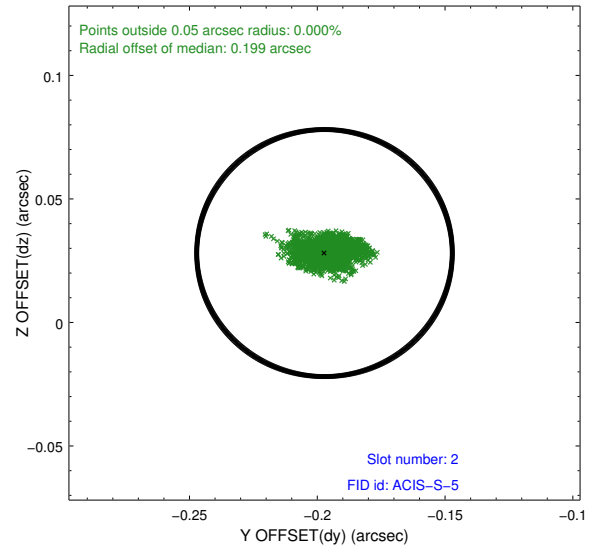
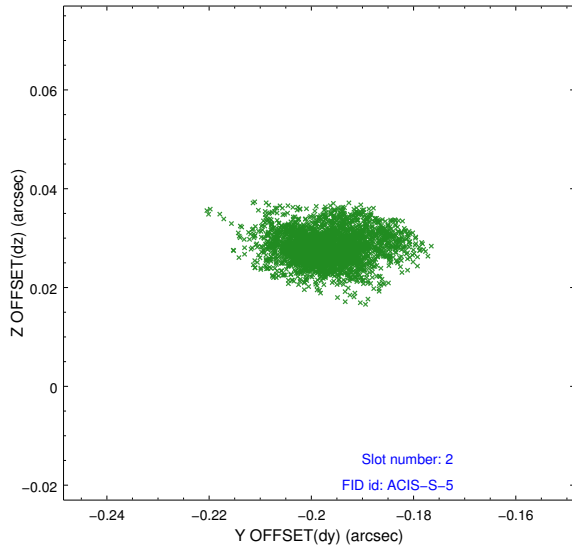
2.5.1 Slot 0



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)	2012.05.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.1489

A.2 Comments

Target has been placed at the center of CCD chip S3. The coordinates requested by the user fall in the inter-node region where the columns are considered bad data and indicated as such in the status bits. These columns are eliminated in Level 2 data. In level 1 data, dithering over the internode region requires an exposure map for proper analysis.