

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3922 - L2 Version 3
Chandra X-Ray Center

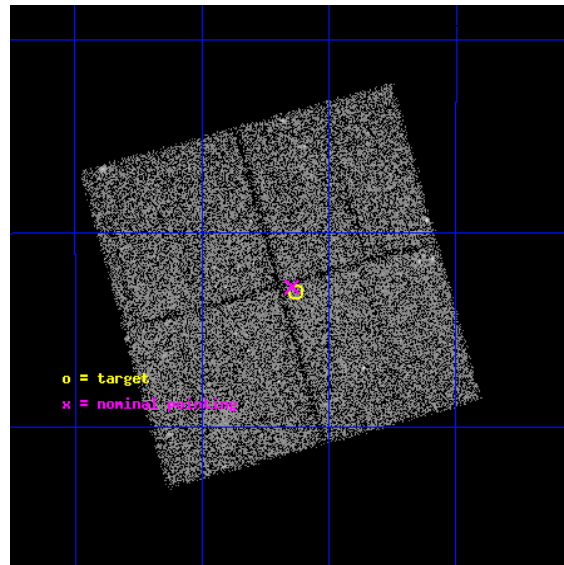
L2 Processing Date : Nov 1 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

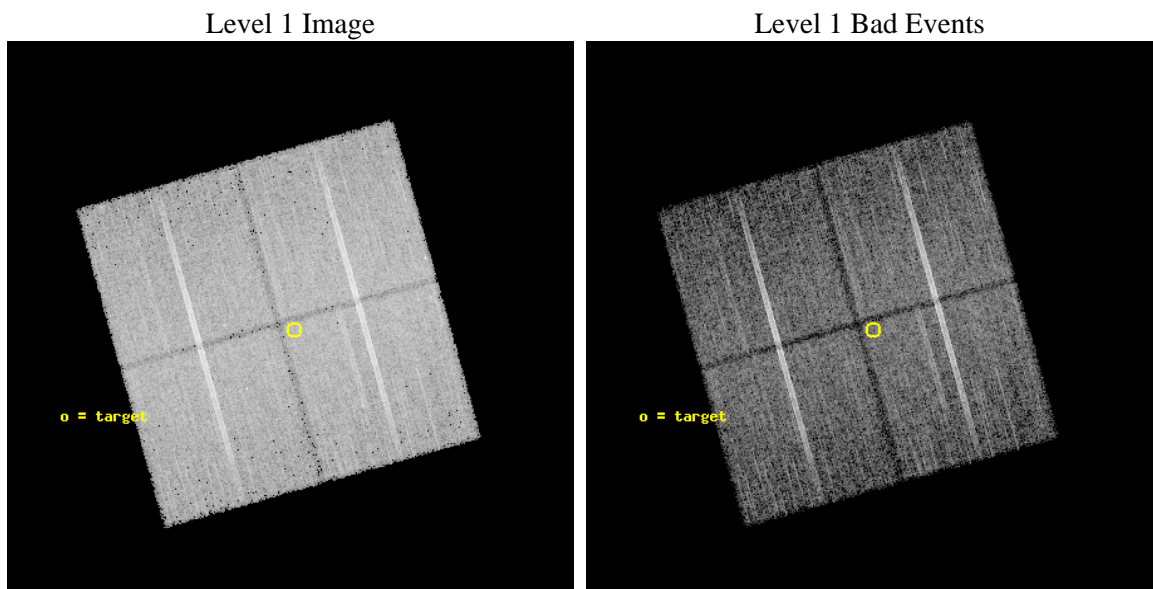
seq_num	500401	Sequence number
obs_id	3922	Observation id
title	LOCALIZATION OF OPTICALLY-DARK GRBS WITH FAST TOO OBSERVATIONS	Pro
observer	Professor Gordon Garmire	Principal investigator
object	H2777	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	327.283333	Observer's specified target RA [deg]
dec_targ	-27.716667	Observer's specified target Dec [deg]
ra_nom	327.28655034979	Nominal RA [deg]
dec_nom	-27.713044252449	Nominal Dec [deg]
roll_nom	74.317068054026	Nominal Roll [deg]
revision	3	Processing version of data
ontime	25128.435980976	Sum of GTIs [s]
livetime	24800.114465599	Livetime [s]
ontime0	25137.858981371	Sum of GTIs [s]
ontime1	25131.57701087	Sum of GTIs [s]
ontime2	25137.858951509	Sum of GTIs [s]
ontime3	25128.435980976	Sum of GTIs [s]
l2events	66216	Number of level 2 events



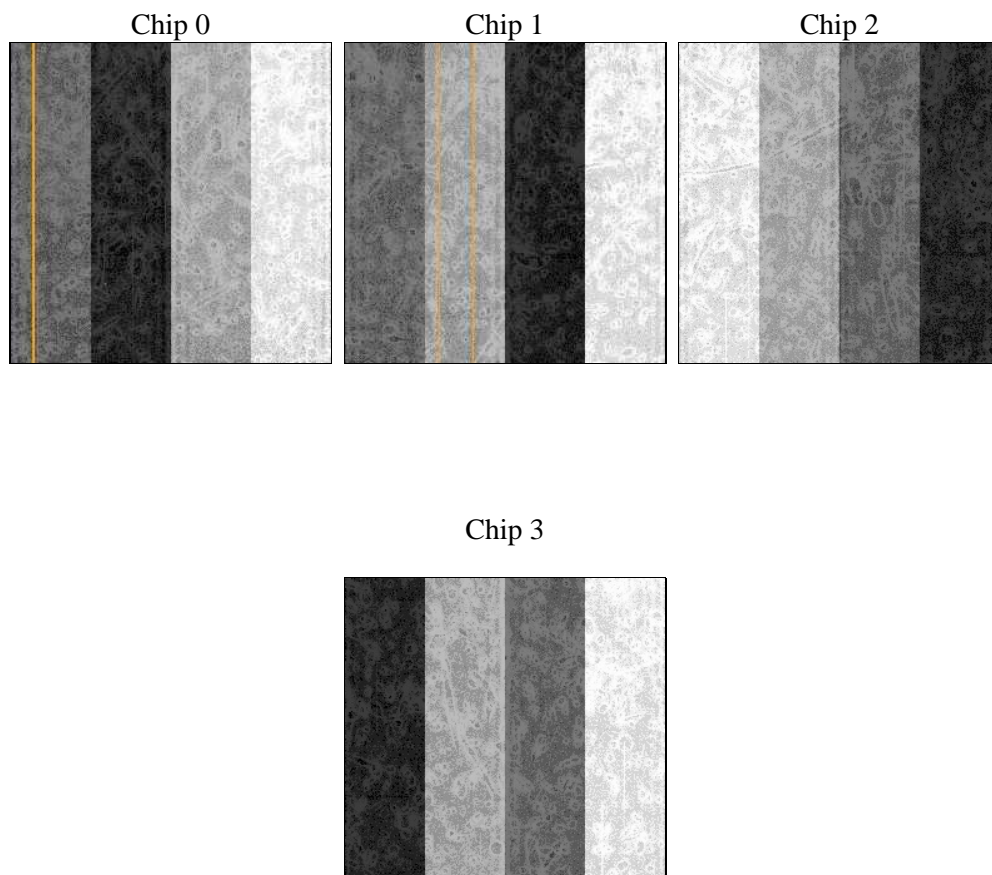
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	25000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	25128.435980976	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	25137.858981371	Sum of GTIs [s]
date	2012-11-01T09:33:27	Date and time of file creation	ontime1	25131.57701087	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	25137.858951509	Sum of GTIs [s]
			ontime3	25128.435980976	Sum of GTIs [s]
			l1events	620639	Number of level 1 events

2.1.4 Events

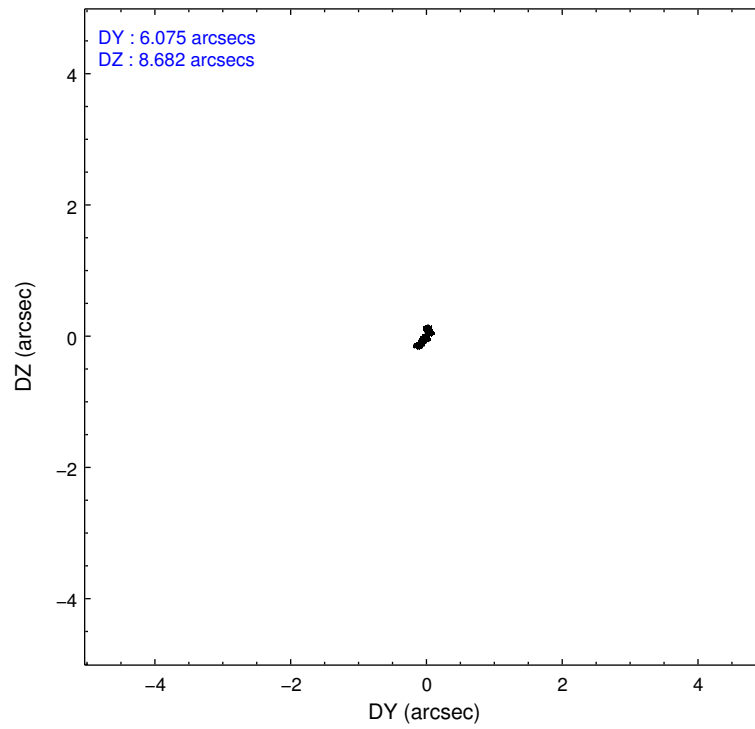
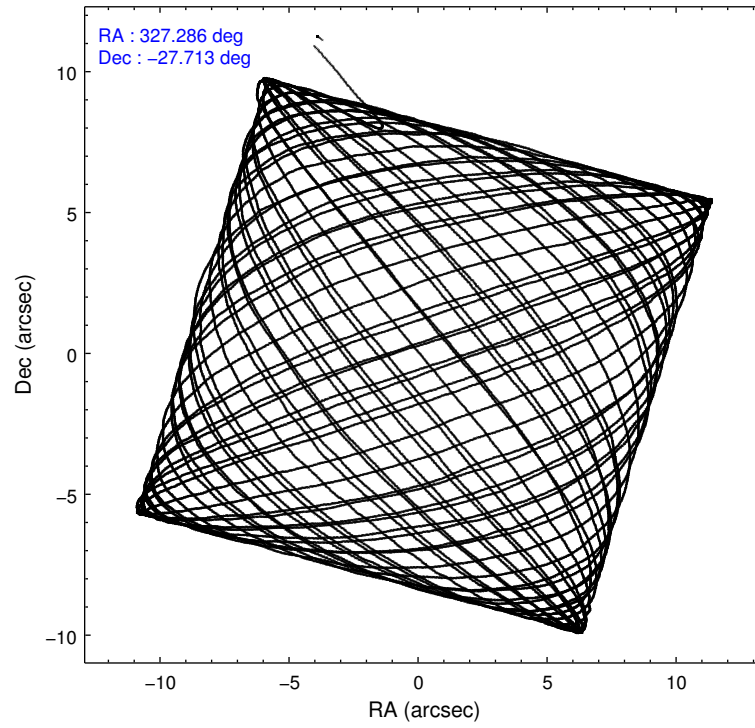
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	145291	150976	163432	160940
rejected events	126331	130188	144580	142181
rejected %	86%	86%	88%	88%

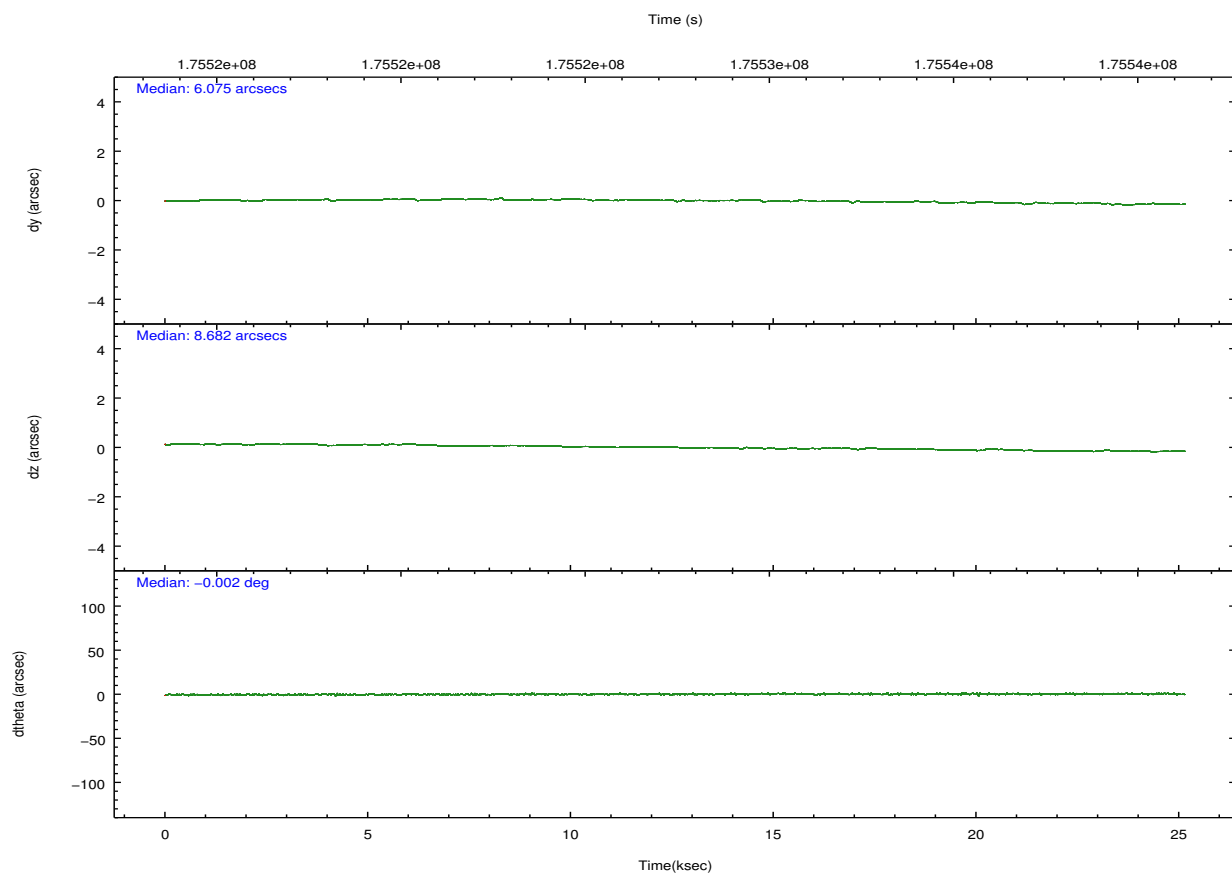
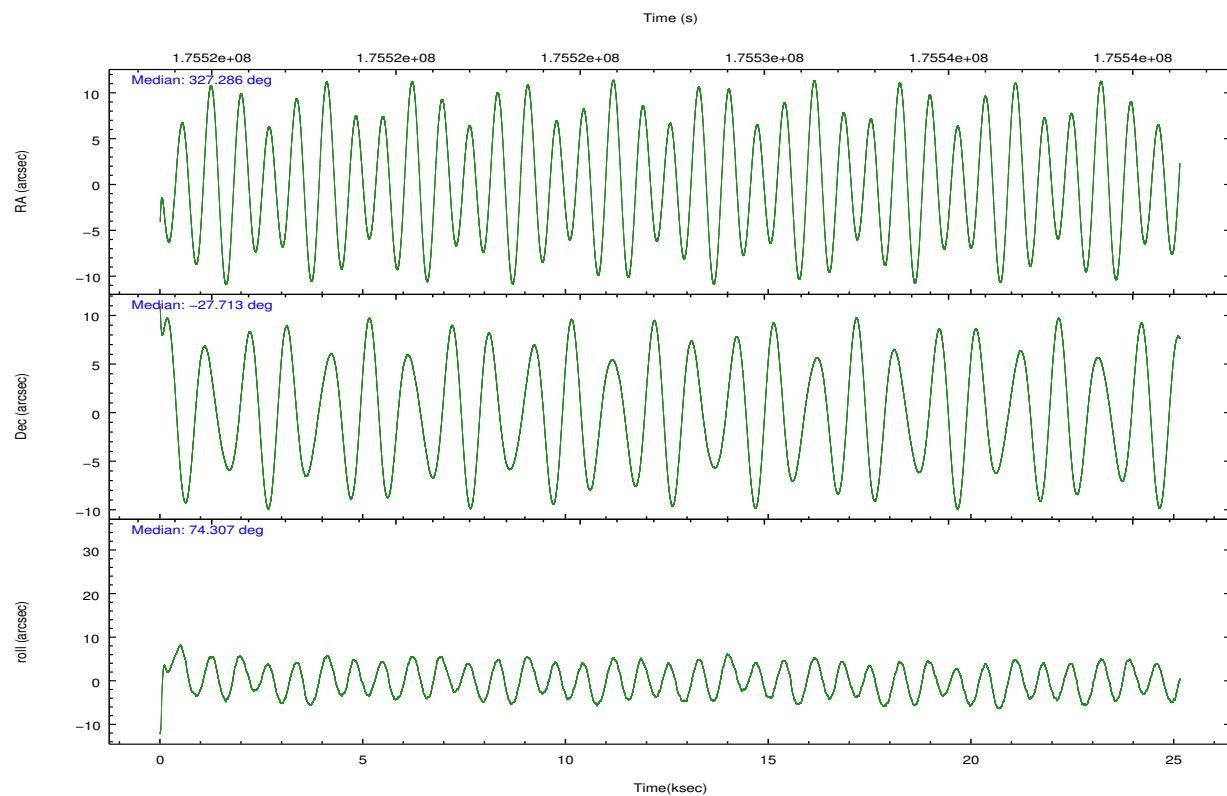
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	8347	9016	8828	8668
	5%	5%	5%	5%
grade 1 events	88	87	87	88
	0%	0%	0%	0%
grade 2 events	3882	4416	3793	3555
	2%	2%	2%	2%
grade 3 events	1955	2063	1892	1894
	1%	1%	1%	1%
grade 4 events	1859	2076	1835	1901
	1%	1%	1%	1%
grade 5 events	6418	6735	6192	7134
	4%	4%	3%	4%
grade 6 events	3511	3948	3168	3368
	2%	2%	1%	2%
grade 7 events	119231	122635	137637	134332
	82%	81%	84%	83%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	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	327.294338	327.2865503497895	Subarray requested	NONE	NONE
[deg] Pointing Dec	-27.739586	-27.71304425244909	Alternating exposures requested	N	N
[deg] Pointing Roll	74.112012	74.31706805402585	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	175515018.184000	175513683.44171			
Observation start date	2003-07-25T10:09:14	2003-07-25T09:48:03			
[s] Observation end time (MET)	175540018.184000	175541295.91788			
Observation end date	2003-07-25T17:05:54	2003-07-25T17:28:15			
Read mode	TIMED	TIMED			

2.3 Aspect



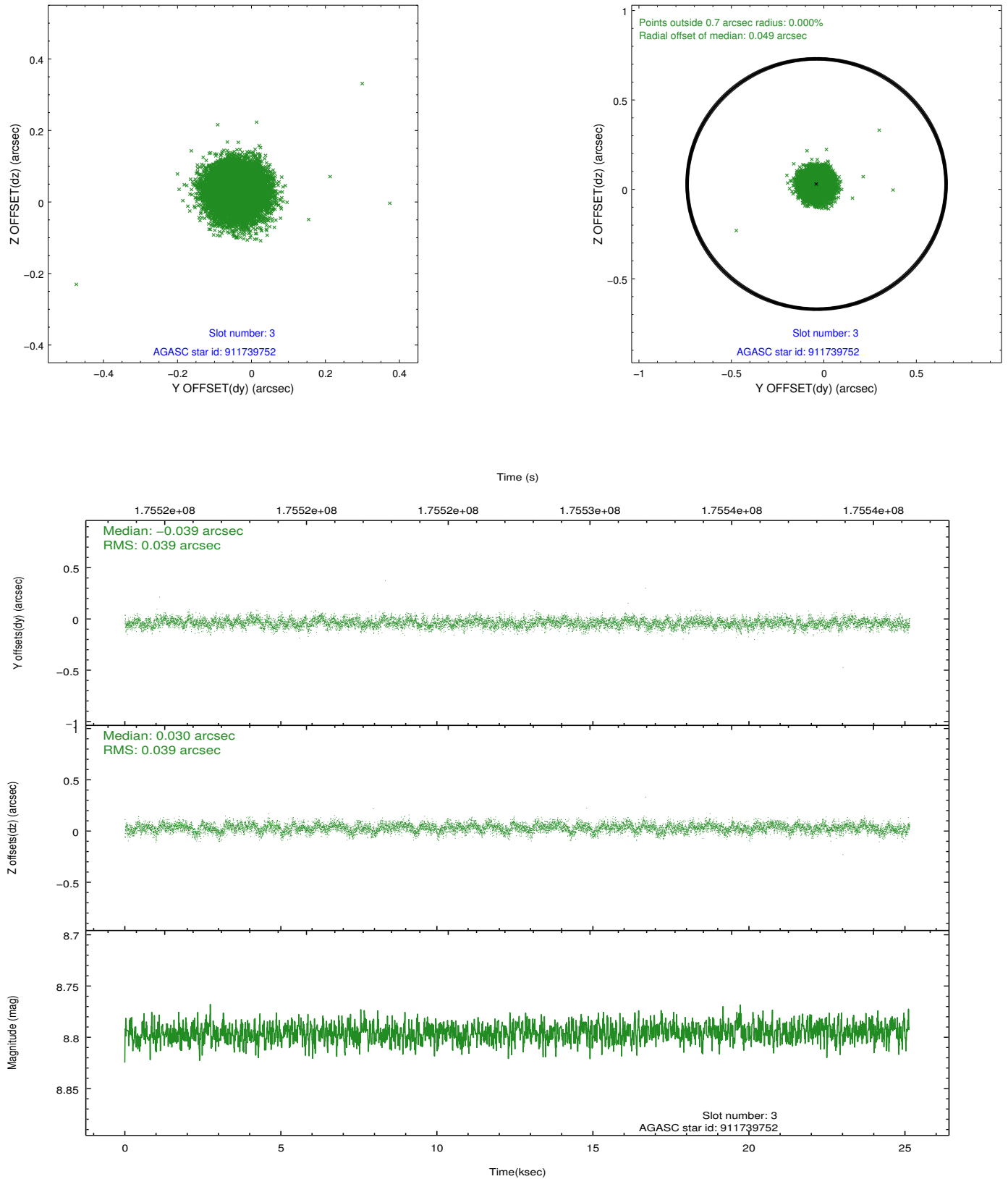


Slot Statistics

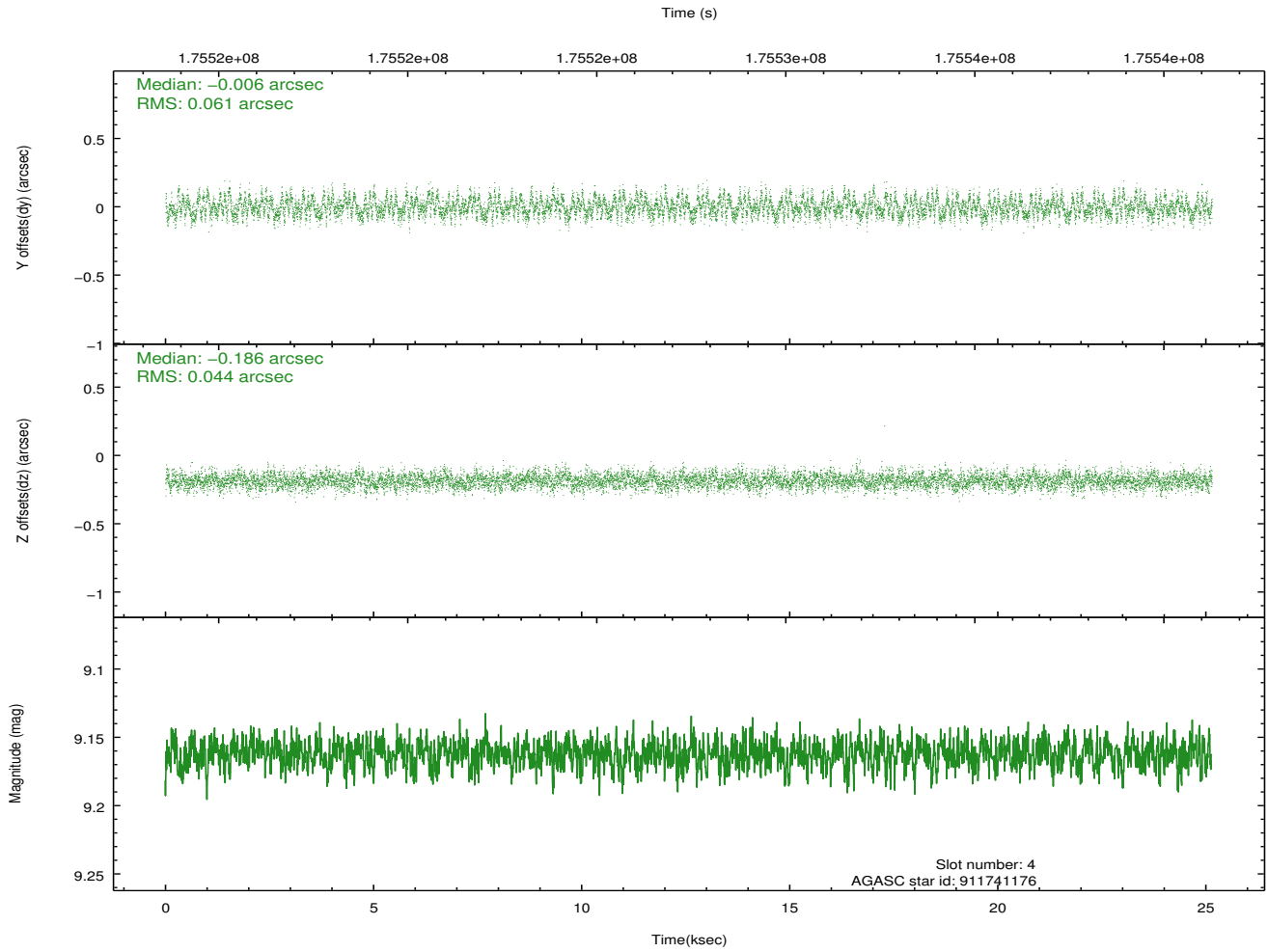
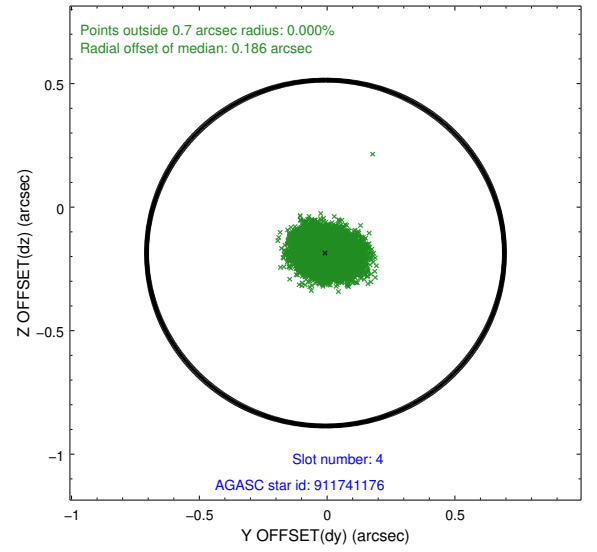
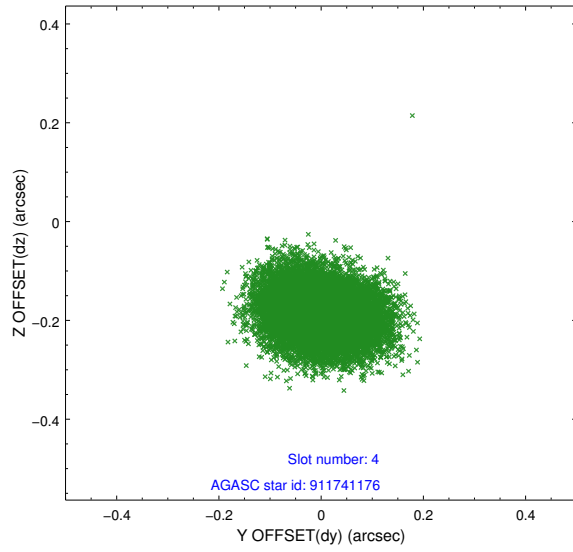
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	6134	0.006	0.043	0.007	0.012	0.000000	0.000000	933.66	-832.07
1	FID	ACIS-I-5	7.23	6133	-0.136	0.041	0.007	0.011	0.000000	0.000000	-1814.52	1065.36
2	FID	ACIS-I-6	7.26	6132	0.038	-0.014	0.007	0.011	0.000000	0.000000	399.11	1709.94
3	GUIDE	911739752	8.80	12263	-0.039	0.030	0.059	0.095	327.086125	-27.144025	1878.92	1228.53
4	GUIDE	911741176	9.16	12259	-0.006	-0.186	0.081	0.129	326.822970	-27.113376	1751.99	2069.21
5	GUIDE	911745080	7.67	12268	-0.092	0.129	0.051	0.082	327.881685	-27.399142	1688.87	-1470.97
6	GUIDE	911746640	7.72	12267	0.030	0.097	0.064	0.108	328.120982	-27.315217	2185.46	-2127.16
7	GUIDE	912130672	9.53	12260	0.106	-0.071	0.102	0.162	326.690090	-27.778712	-666.88	1810.71

2.4 Star Slots

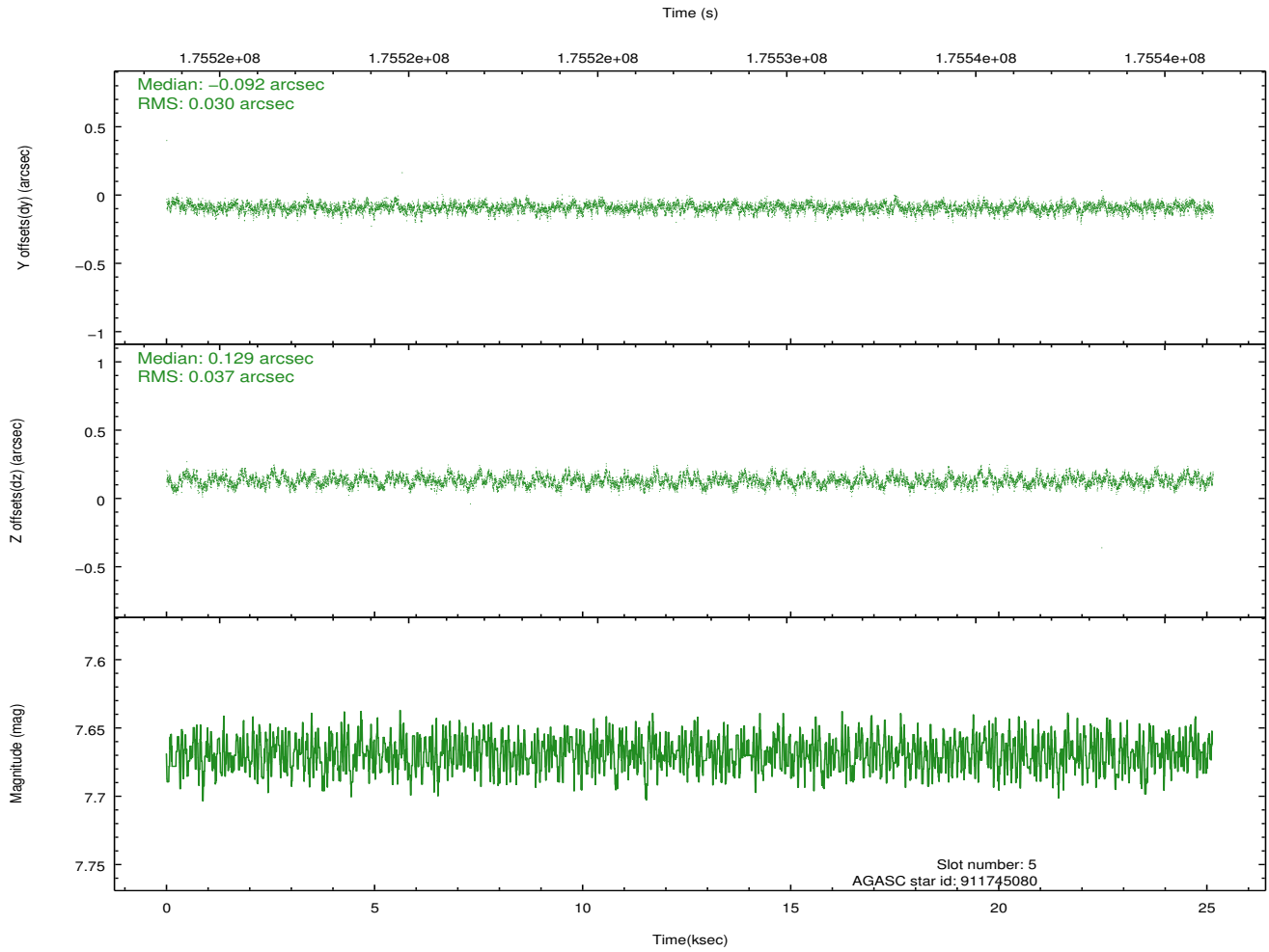
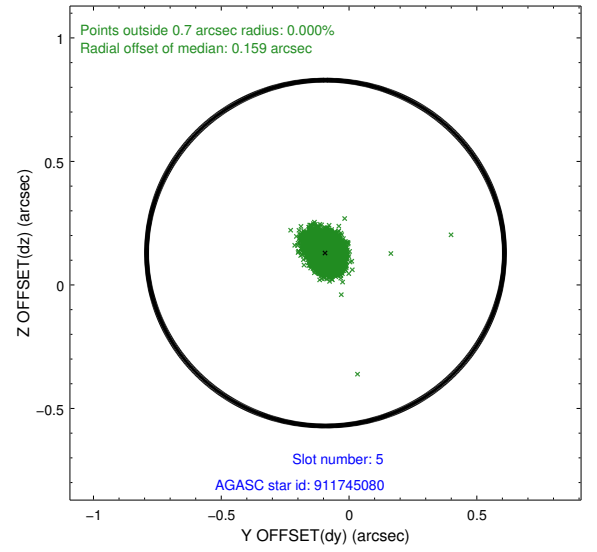
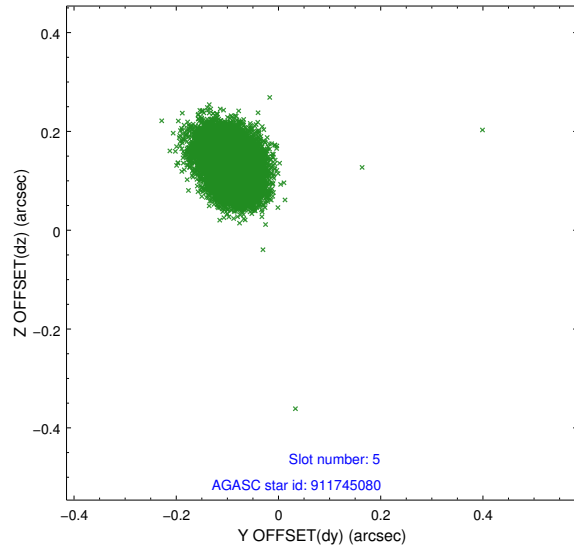
2.4.1 Slot 3



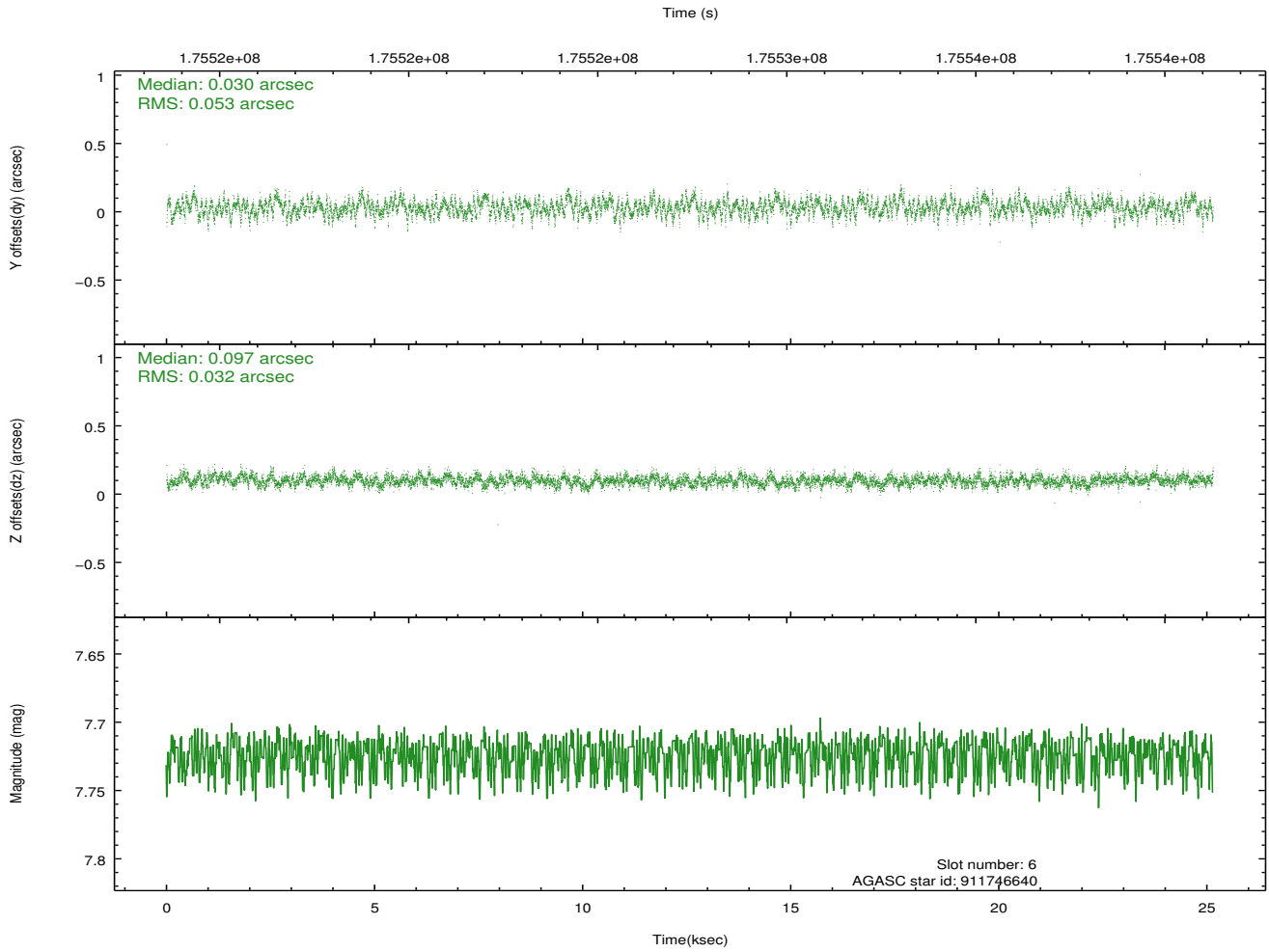
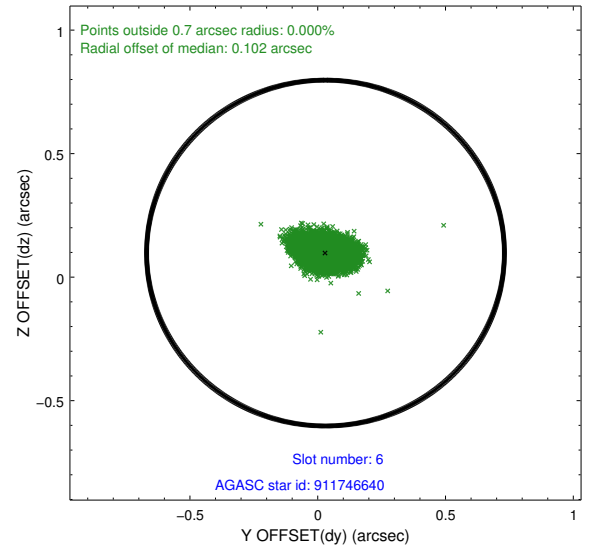
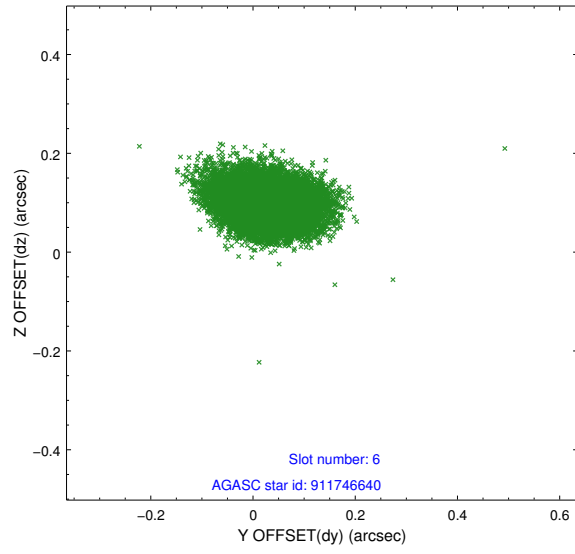
2.4.2 Slot 4



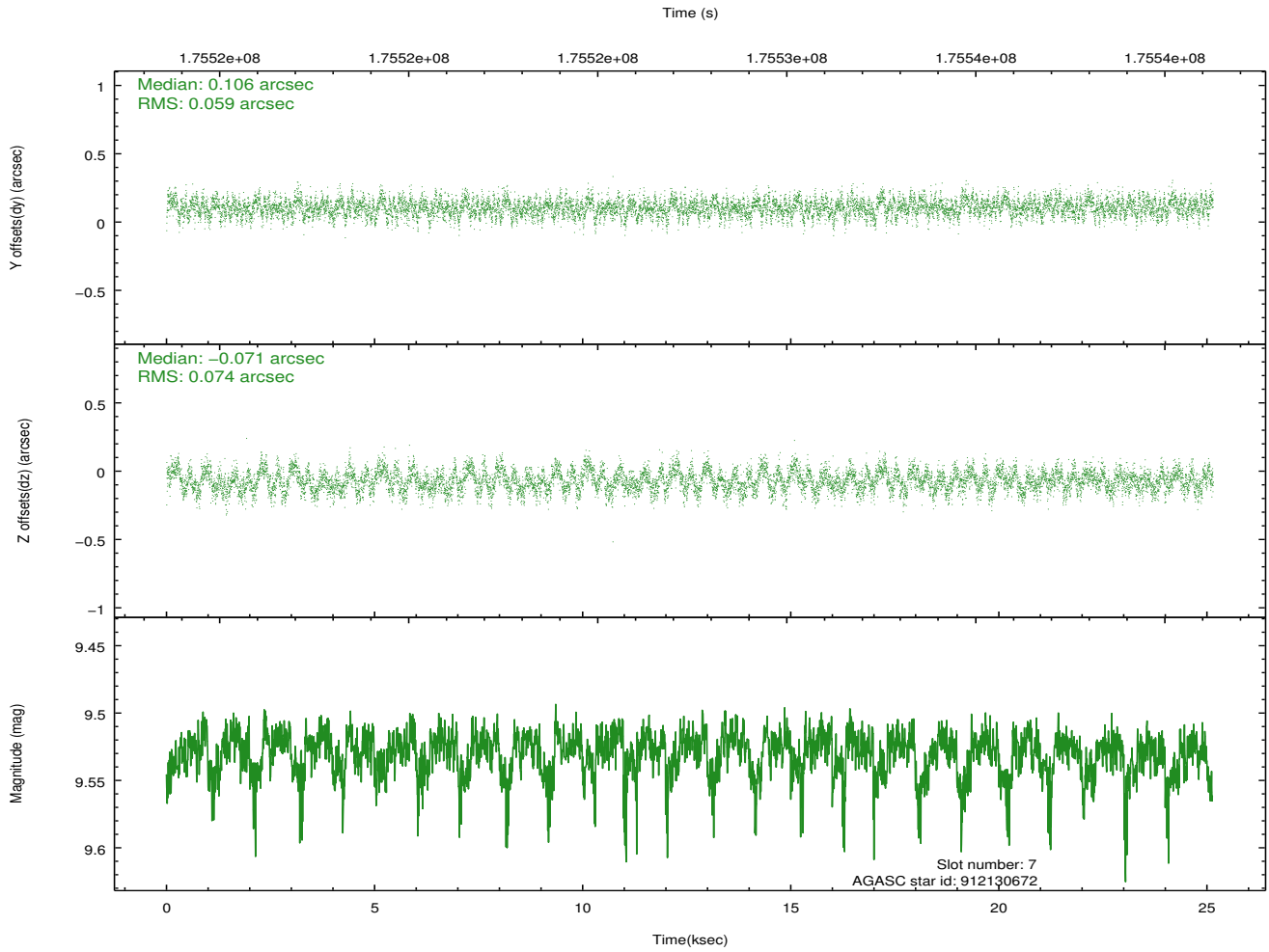
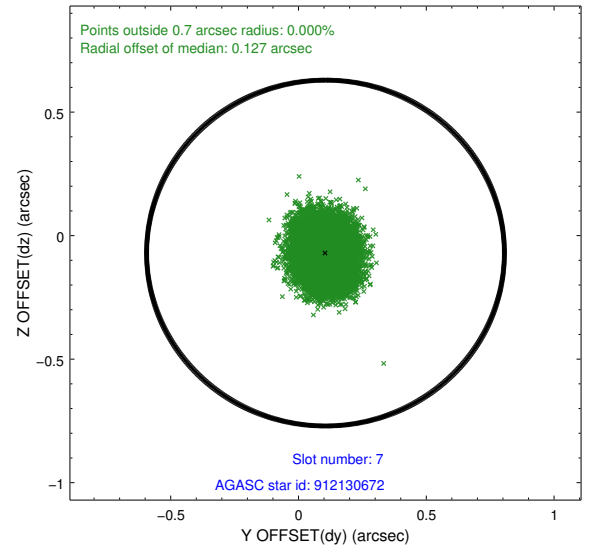
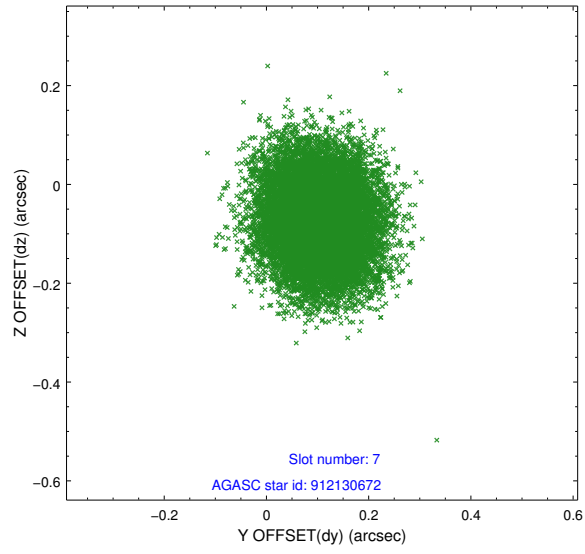
2.4.3 Slot 5



2.4.4 Slot 6

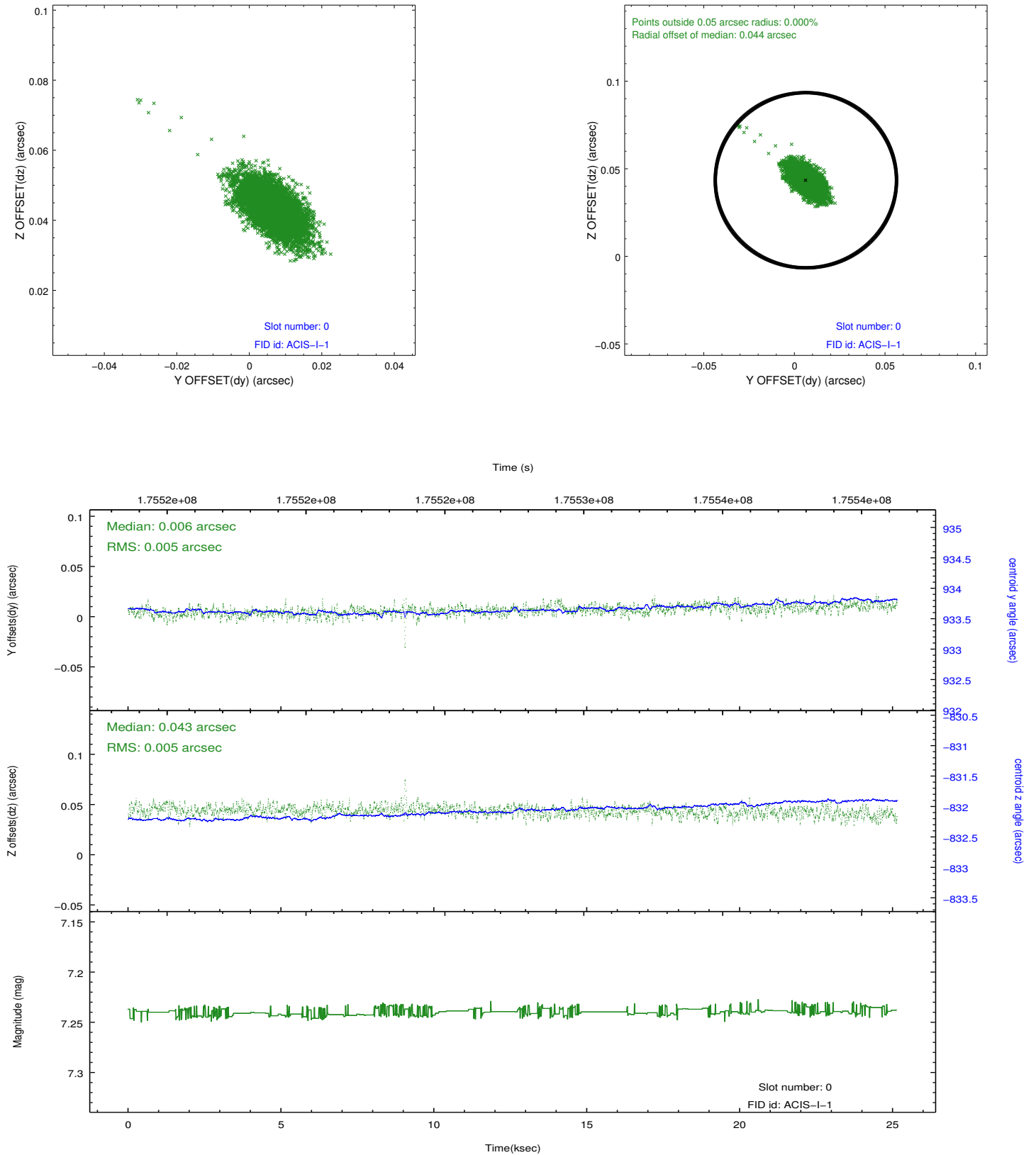


2.4.5 Slot 7

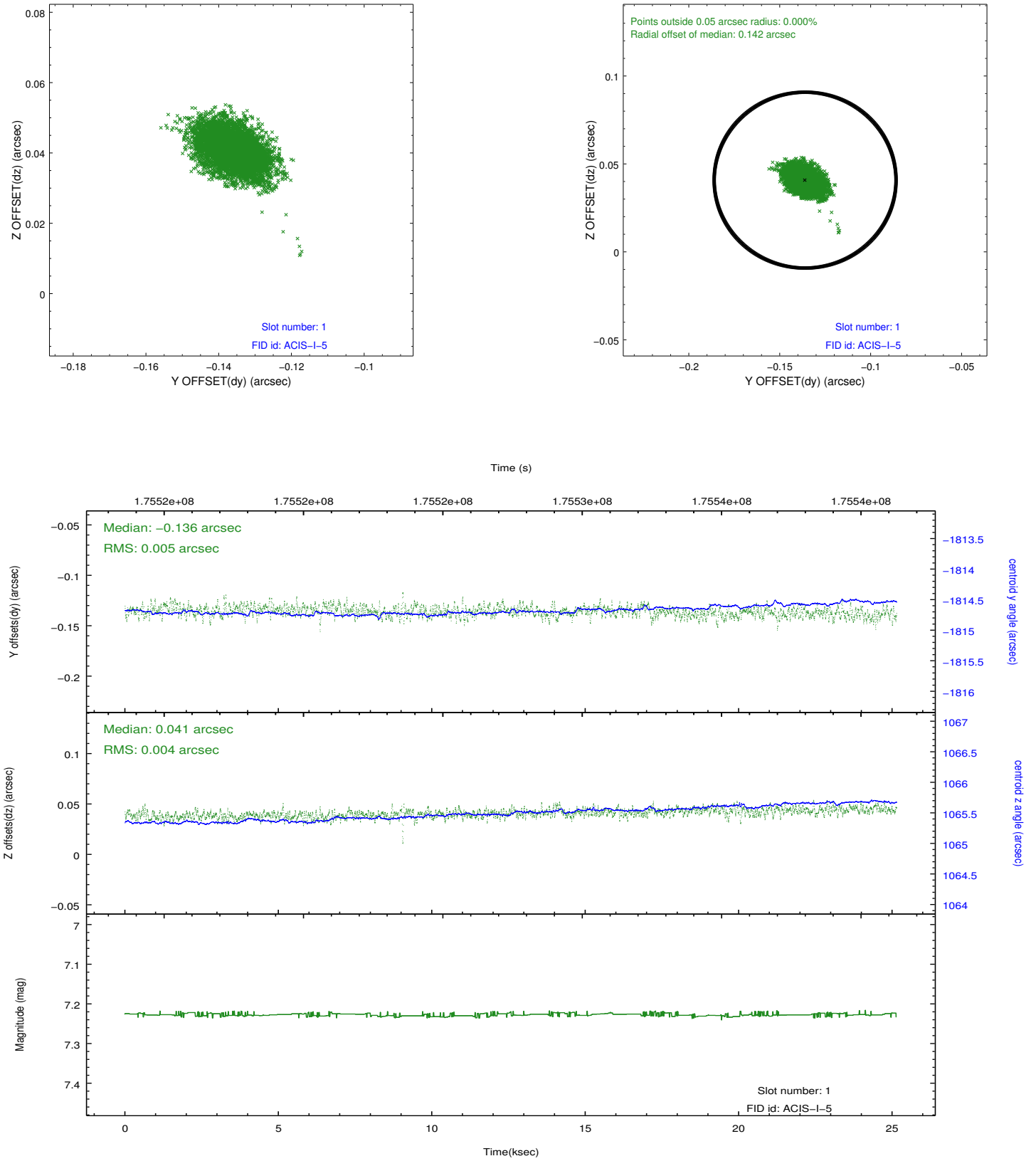


2.5 FID Slots

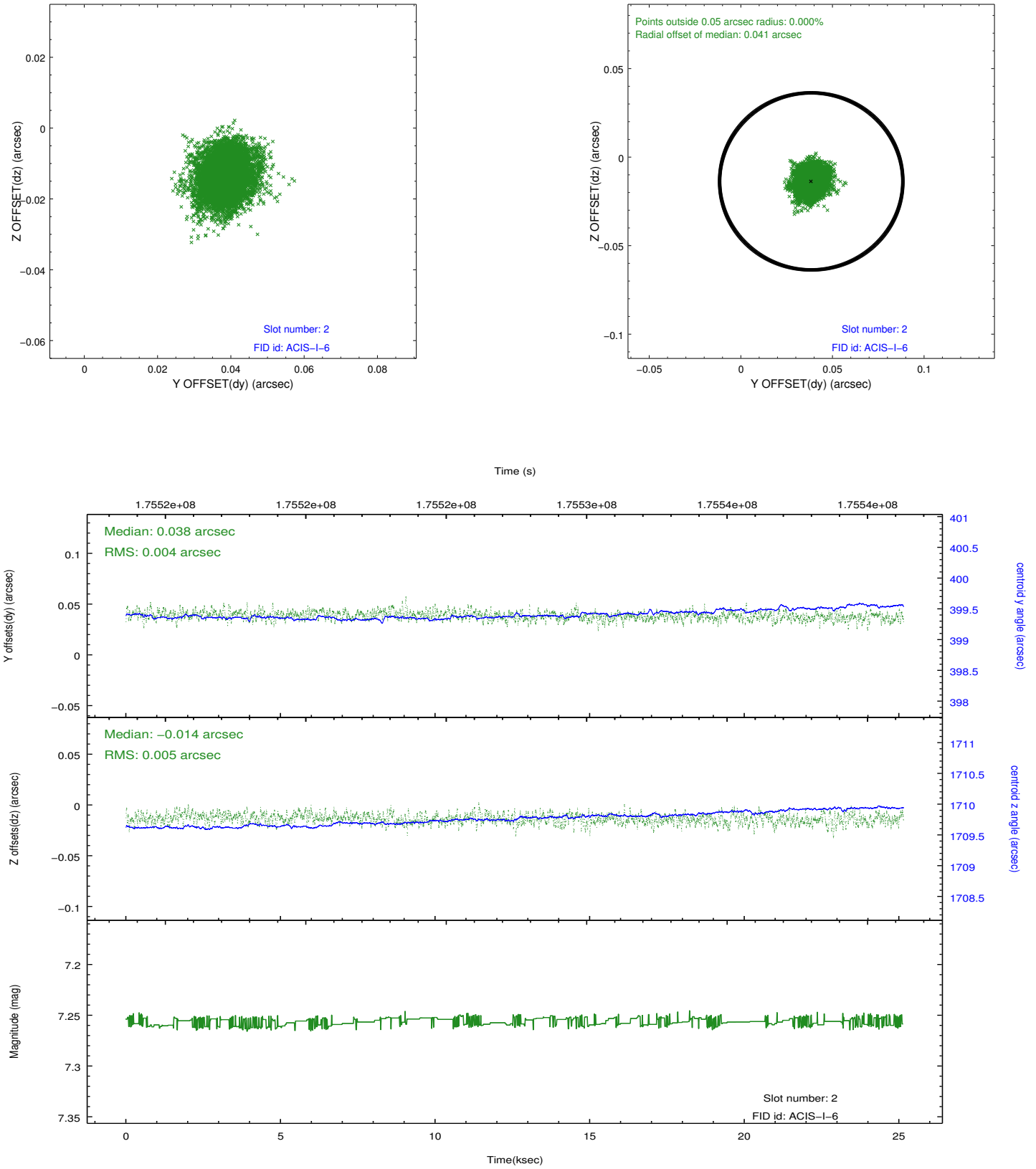
2.5.1 Slot 0



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)	2012.11.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.128

A.2 Comments