

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2176 - L2 Version 3
Chandra X-Ray Center

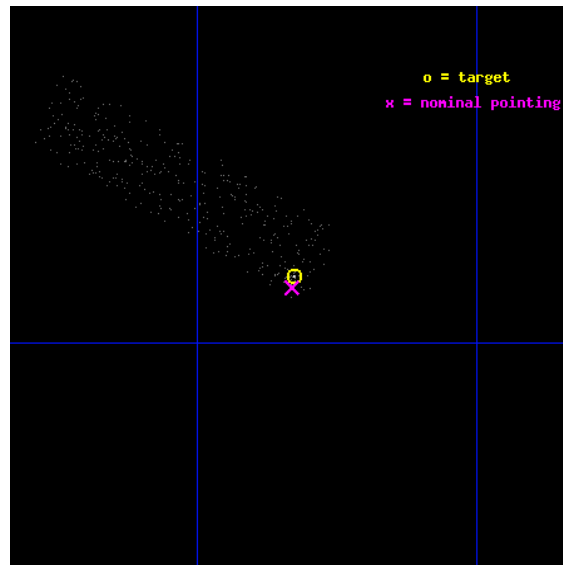
L2 Processing Date : Sep 6 2012

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

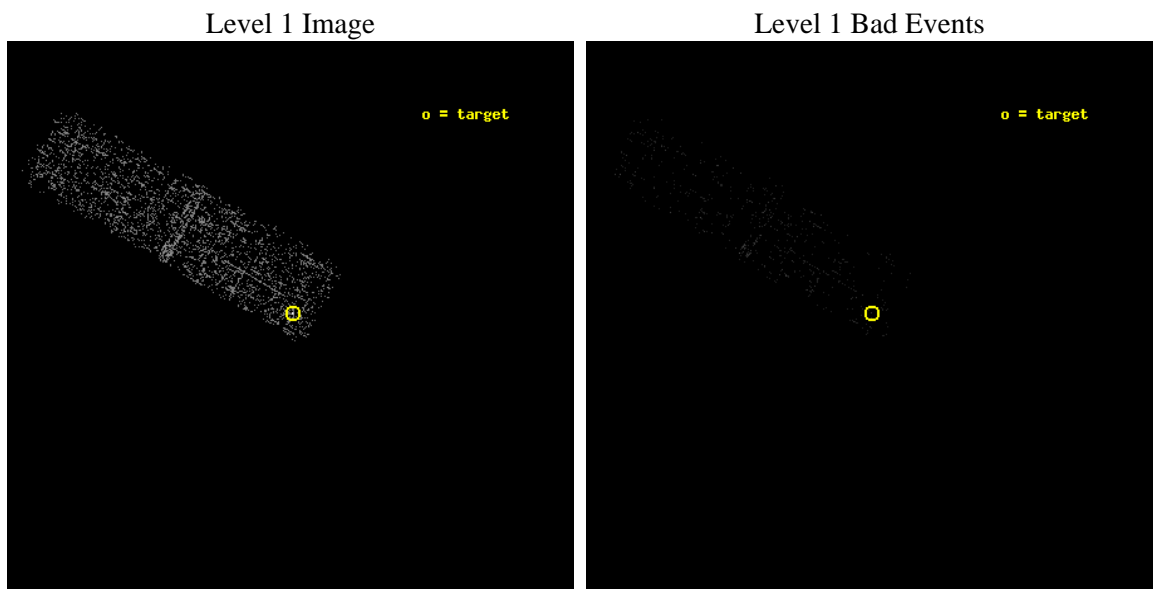
seq_num	700366	Sequence number
obs_id	2176	Observation id
title	RED QUASARS AND THE X-RAY BACKGROUND	Proposal title
observer	Dr. Belinda Wilkes	Principal investigator
object	2MASSJ234449+1221	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	356.206667	Observer's specified target RA [deg]
dec_targ	12.362056	Observer's specified target Dec [deg]
ra_nom	356.2075944316	Nominal RA [deg]
dec_nom	12.357147966152	Nominal Dec [deg]
roll_nom	300.09436863807	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2035.9084132761	Sum of GTIs [s]
livetime	1936.5627444841	Livetime [s]
ontime3	2035.9084132761	Sum of GTIs [s]
l2events	594	Number of level 2 events



2 OBI

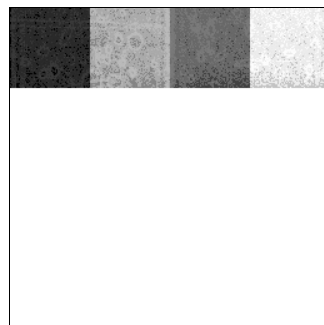
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 3



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2200.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2035.9084132761	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime3	2035.9084132761	Sum of GTIs [s]
date	2012-09-06T11:36:19	Date and time of file creation	l1events	4269	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

	ccd 3
level 1 events	4269
rejected events	3599
rejected %	84%

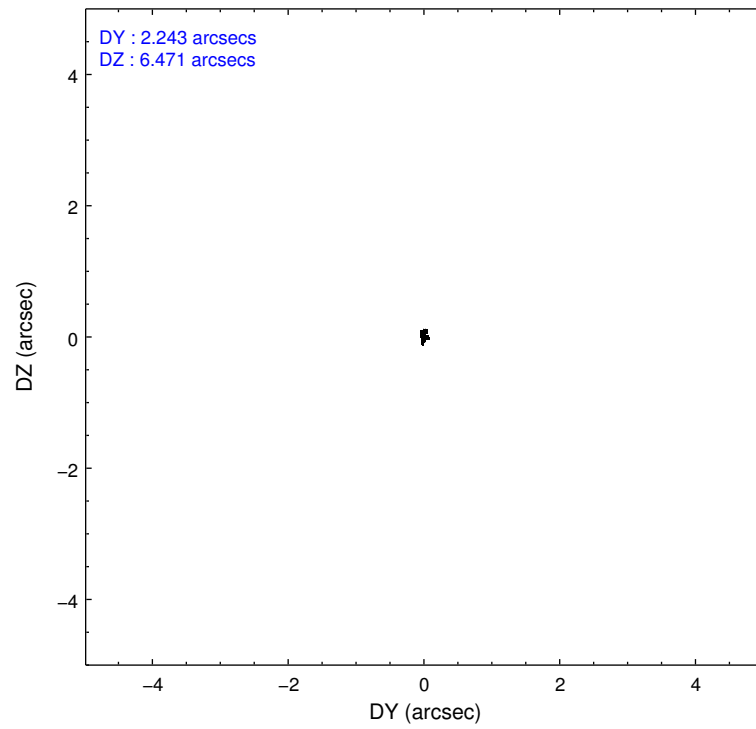
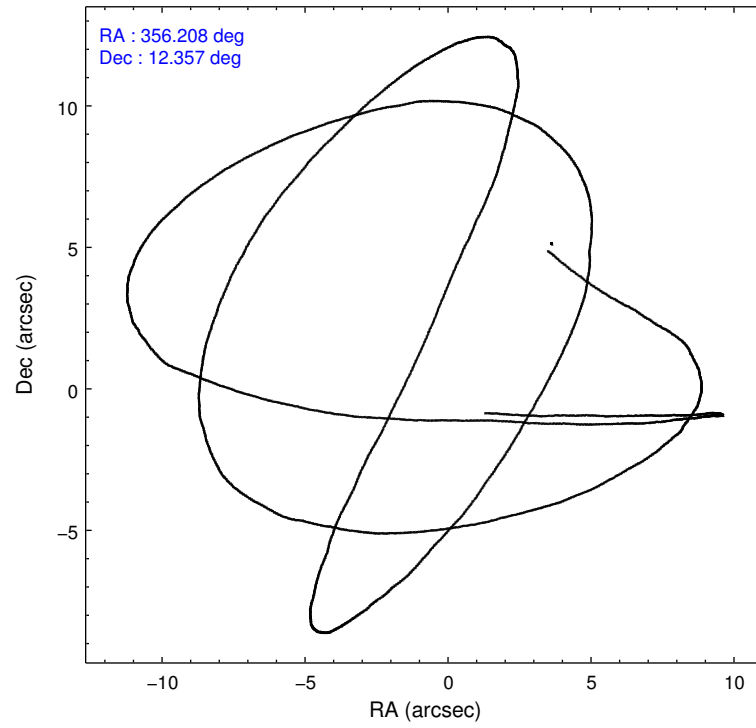
	ccd 3
grade 0 events	332
	7%
grade 1 events	2
	0%
grade 2 events	92
	2%
grade 3 events	79
	1%
grade 4 events	82
	1%
grade 5 events	123
	2%
grade 6 events	85
	1%
grade 7 events	3474
	81%

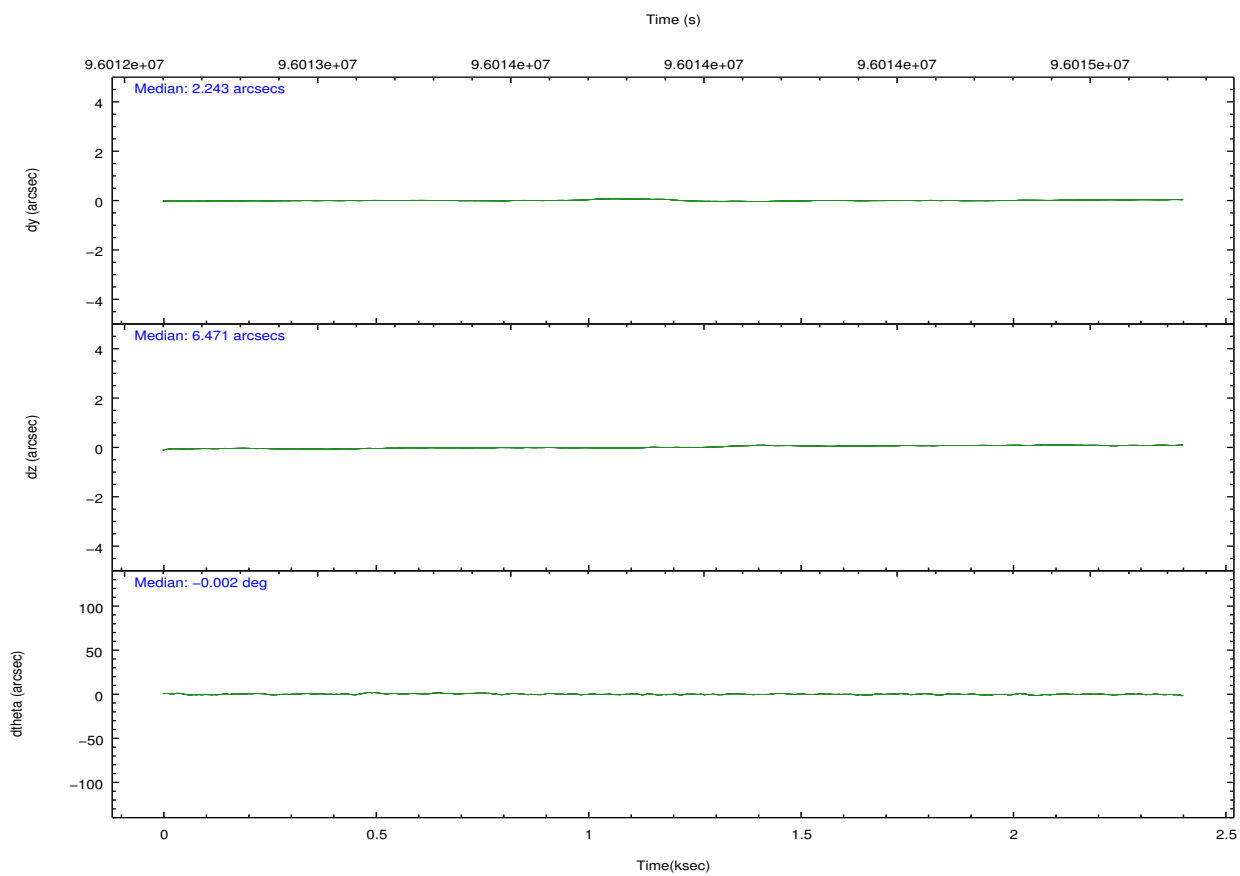
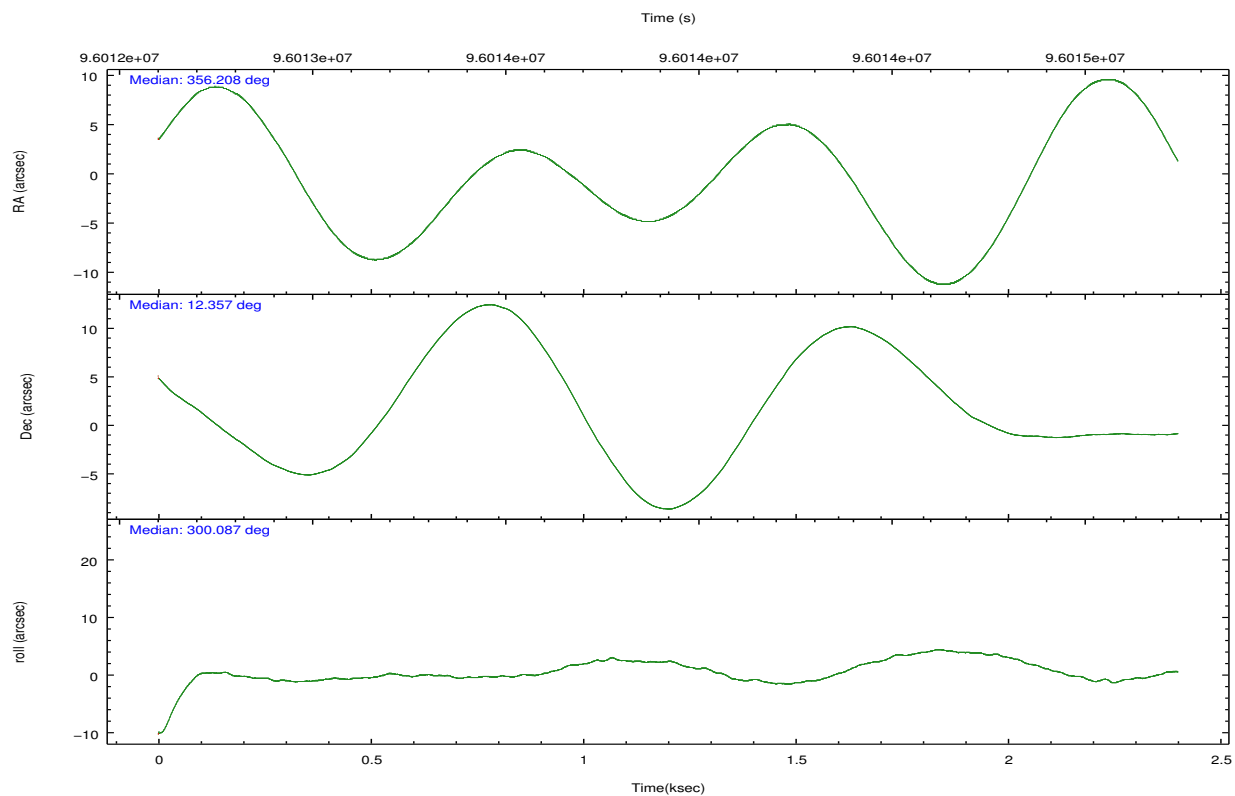
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-3	ACIS-3
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	356.182905	356.2075944316023
[deg] Pointing Dec	12.371011	12.35714796615243
[deg] Pointing Roll	299.891008	300.0943686380722
[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)	96012920.184000	96012404.71432801
Observation start date	2001-01-16T06:14:16	2001-01-16T06:06:44
[s] Observation end time (MET)	96015120.184000	96015638.589453
Observation end date	2001-01-16T06:50:56	2001-01-16T07:00:38
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	CUSTOM	1/4
Subarray start row	769	769
Subarray row count	256	256
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	0.8

2.3 Aspect



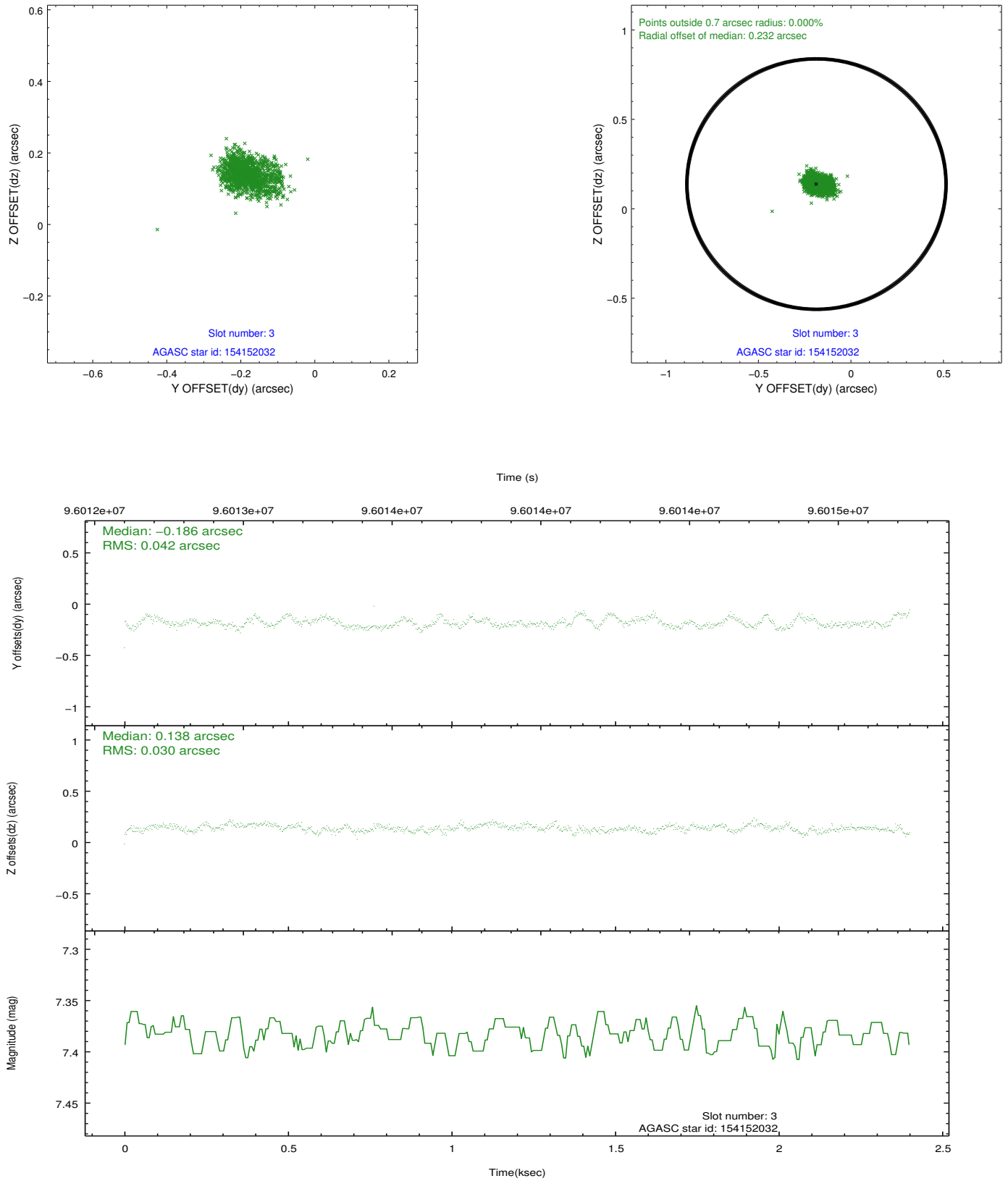


Slot Statistics

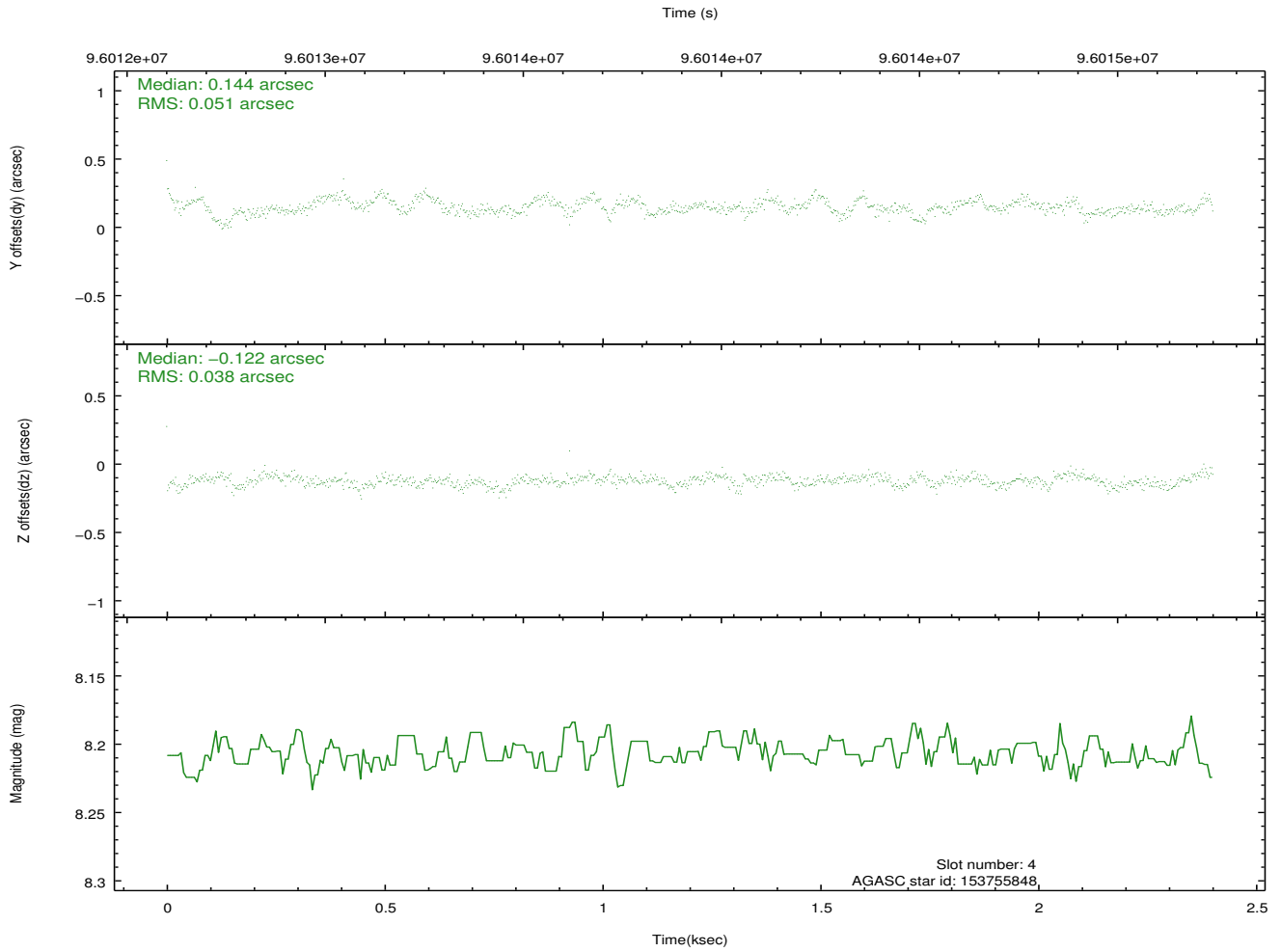
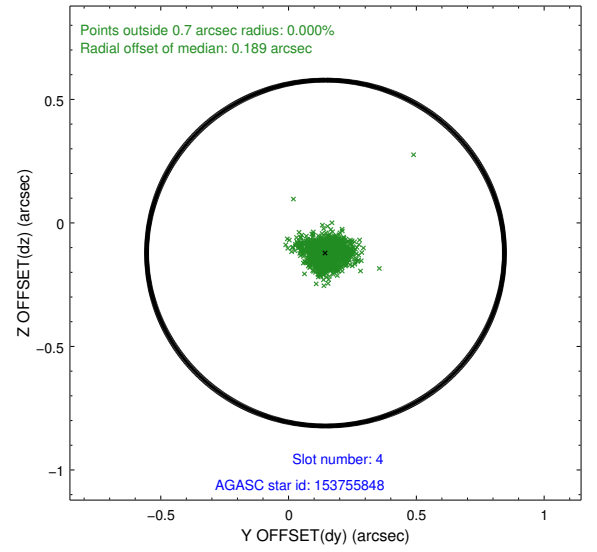
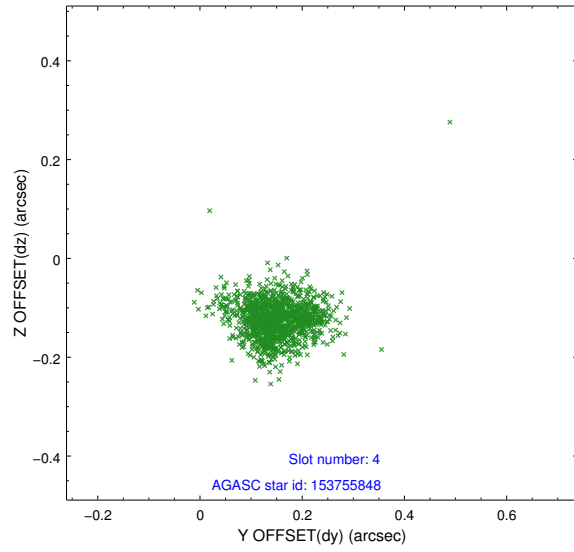
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.16	586	-0.032	-0.052	0.009	0.016	0.000000	0.000000	-756.64	-836.28
1	FID	ACIS-I-4	7.18	586	-0.041	0.041	0.006	0.011	0.000000	0.000000	2156.19	1068.63
2	FID	ACIS-I-5	7.23	586	-0.028	0.081	0.008	0.014	0.000000	0.000000	-1806.98	1069.60
3	GUIDE	154152032	7.38	1172	-0.186	0.138	0.054	0.090	356.404994	13.152657	-2054.07	2076.25
4	GUIDE	153755848	8.21	1172	0.144	-0.122	0.064	0.108	355.862974	11.602041	1834.33	-2356.75
5	GUIDE	154149672	8.61	1171	-0.140	-0.102	0.058	0.097	355.501131	12.743795	-2359.29	-1408.80
6	GUIDE	153747784	9.61	1171	0.040	-0.043	0.078	0.131	355.989457	12.221606	123.37	-860.38
7	GUIDE	154150888	9.62	1170	0.134	0.132	0.111	0.170	356.625986	12.696712	-243.85	1932.31

2.4 Star Slots

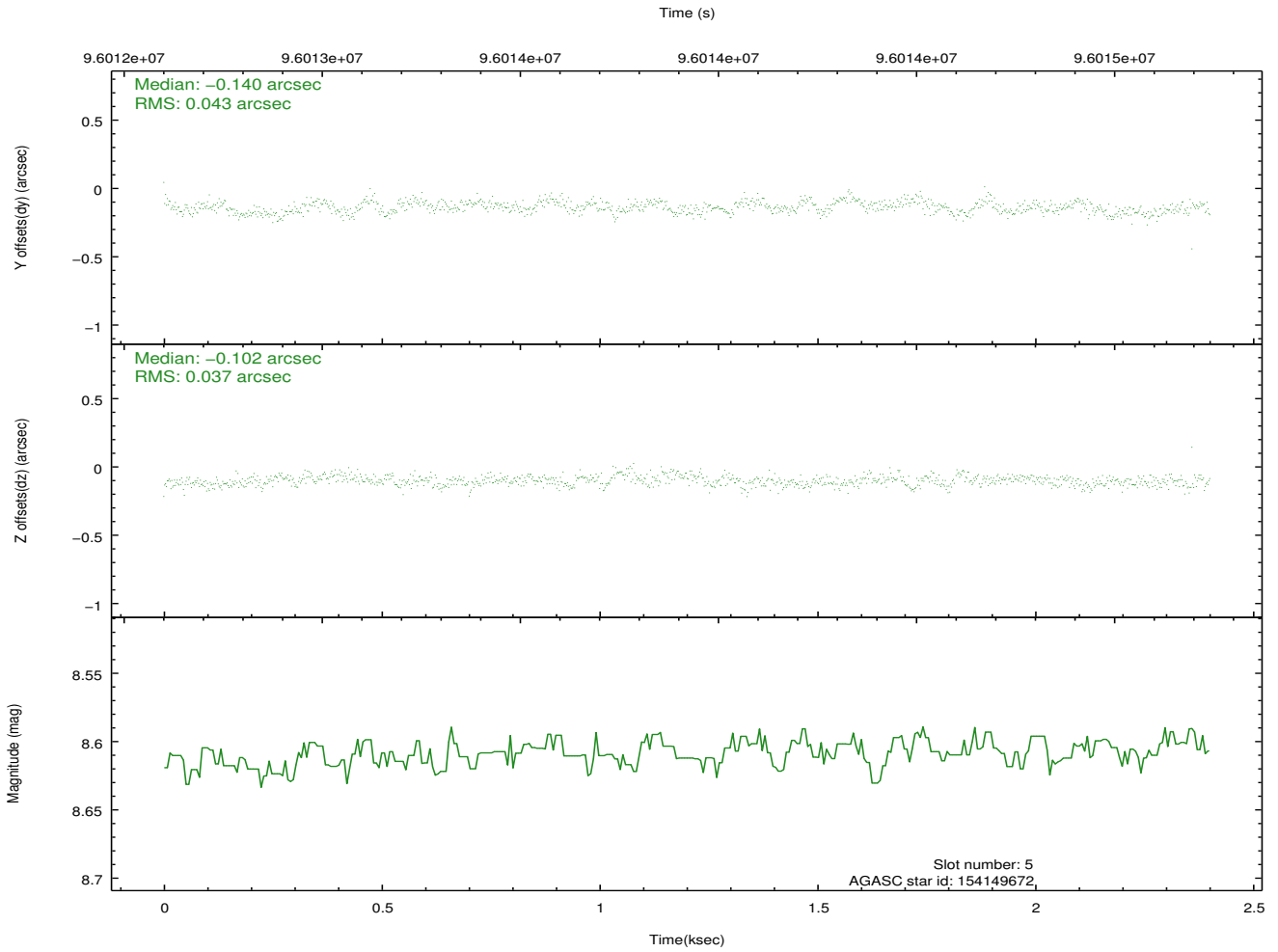
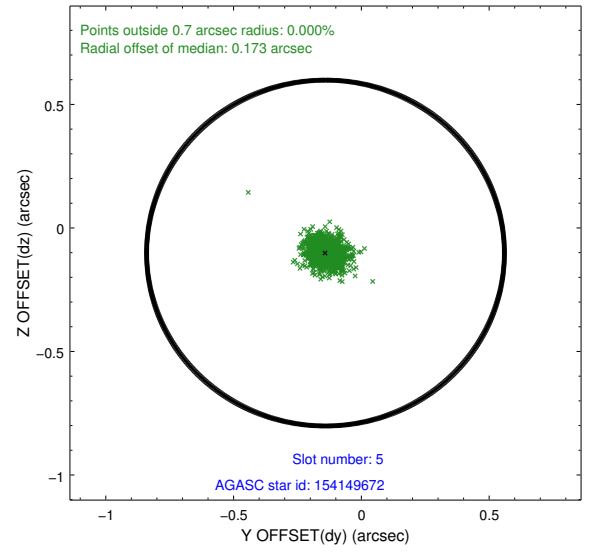
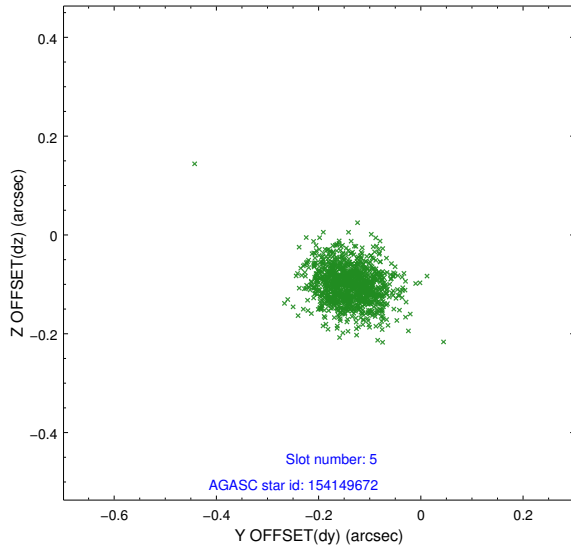
2.4.1 Slot 3



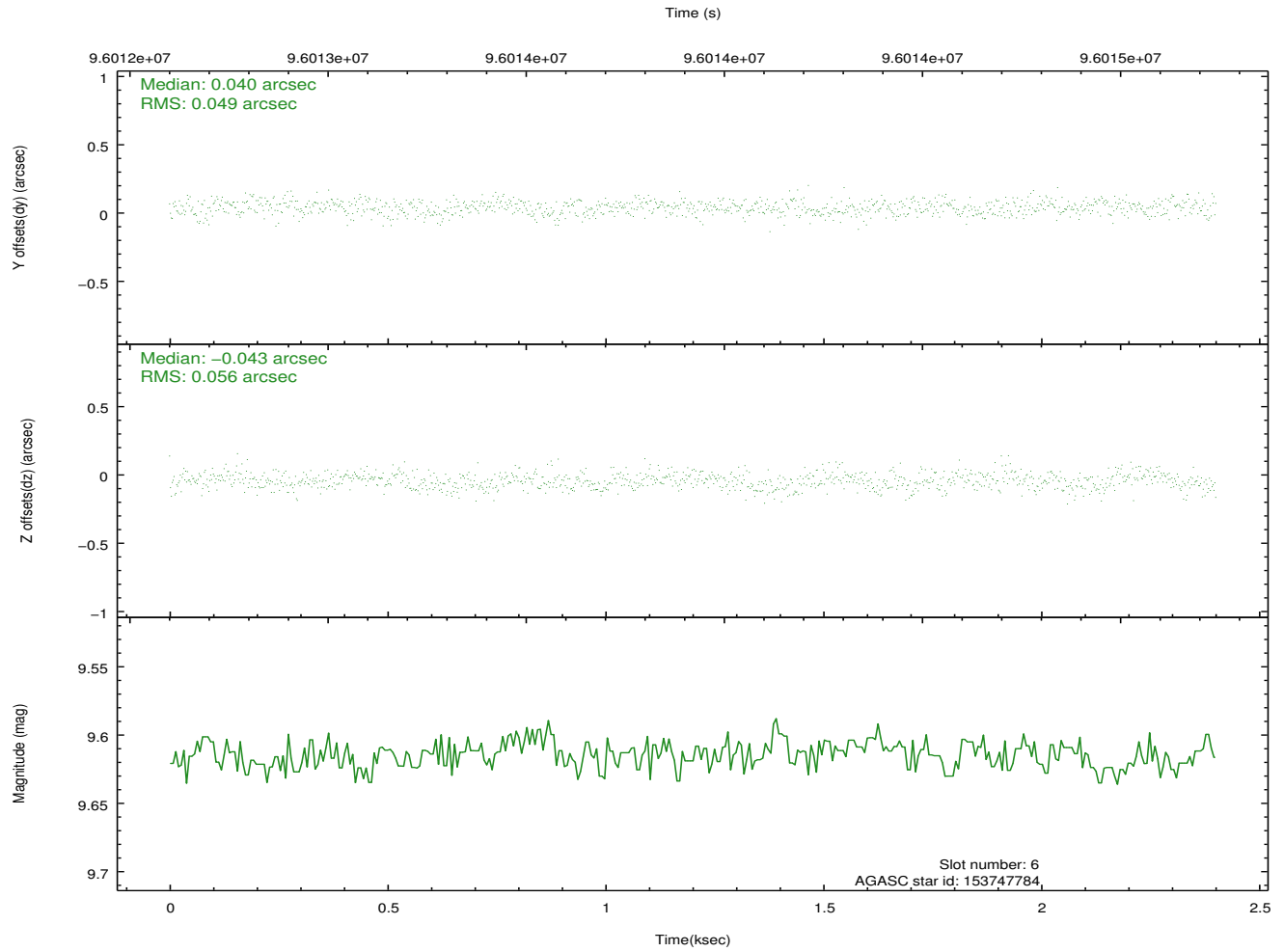
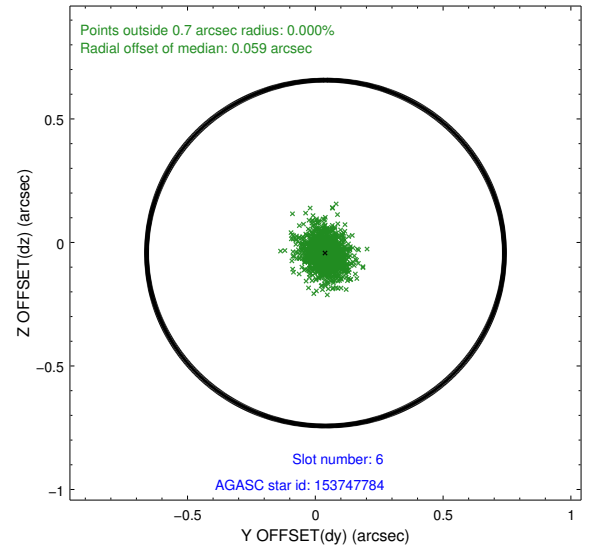
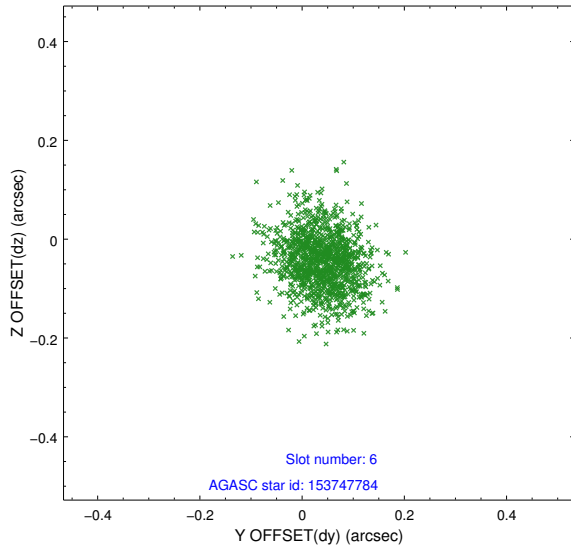
2.4.2 Slot 4



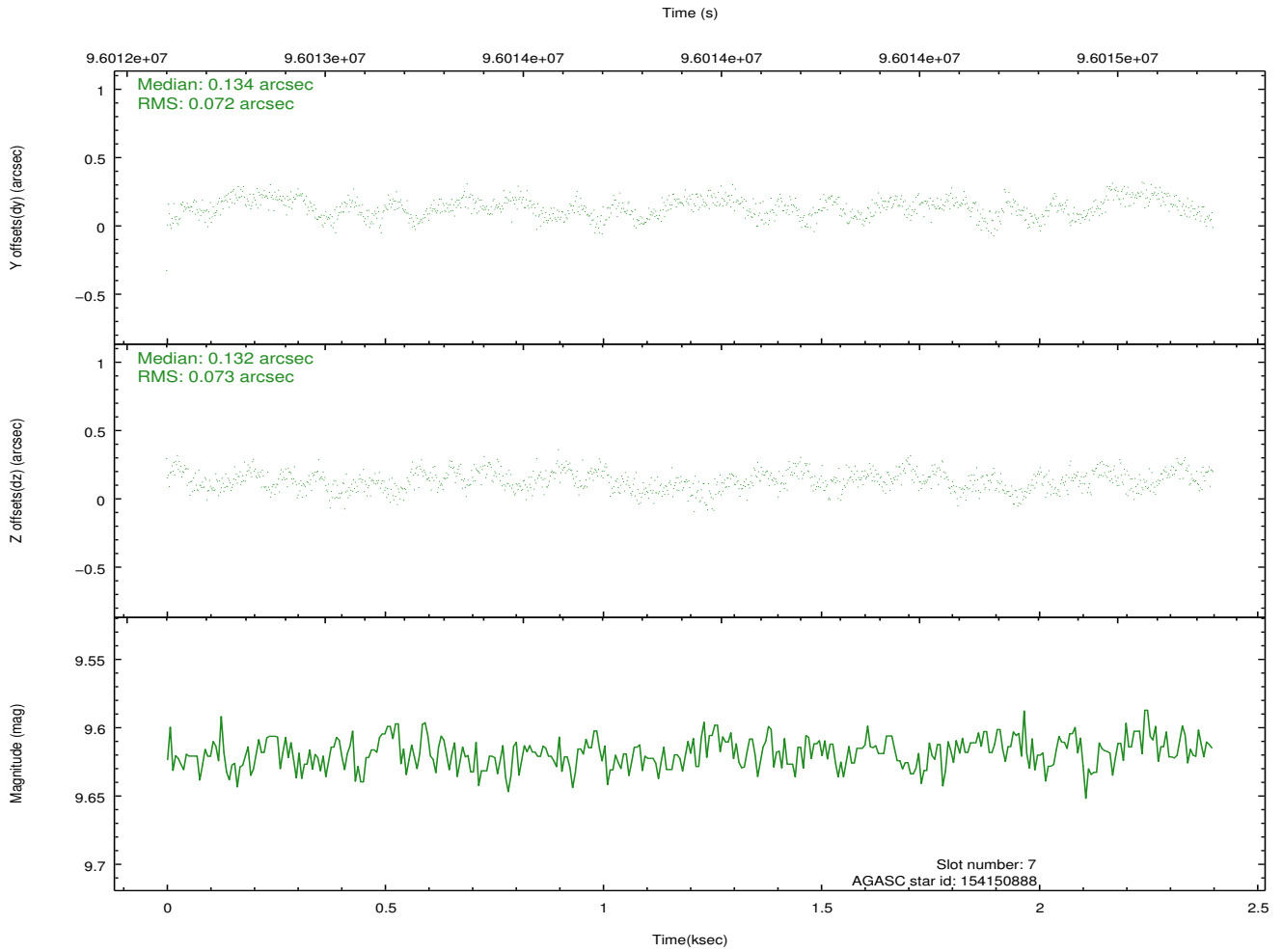
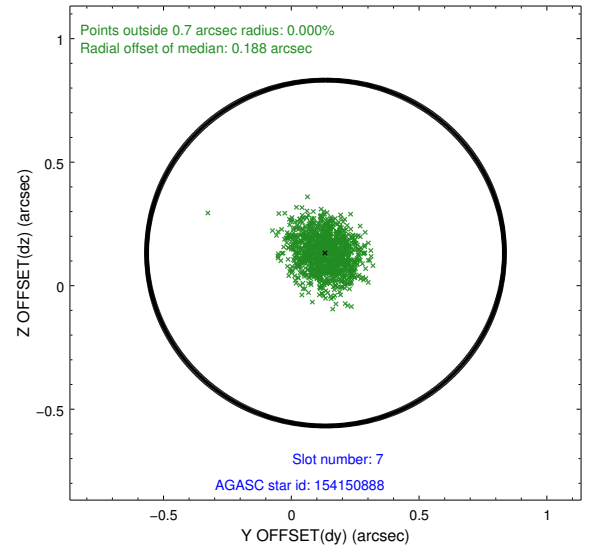
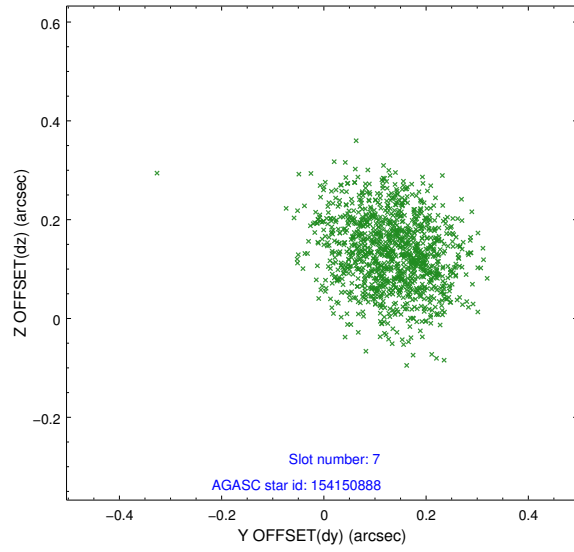
2.4.3 Slot 5



2.4.4 Slot 6

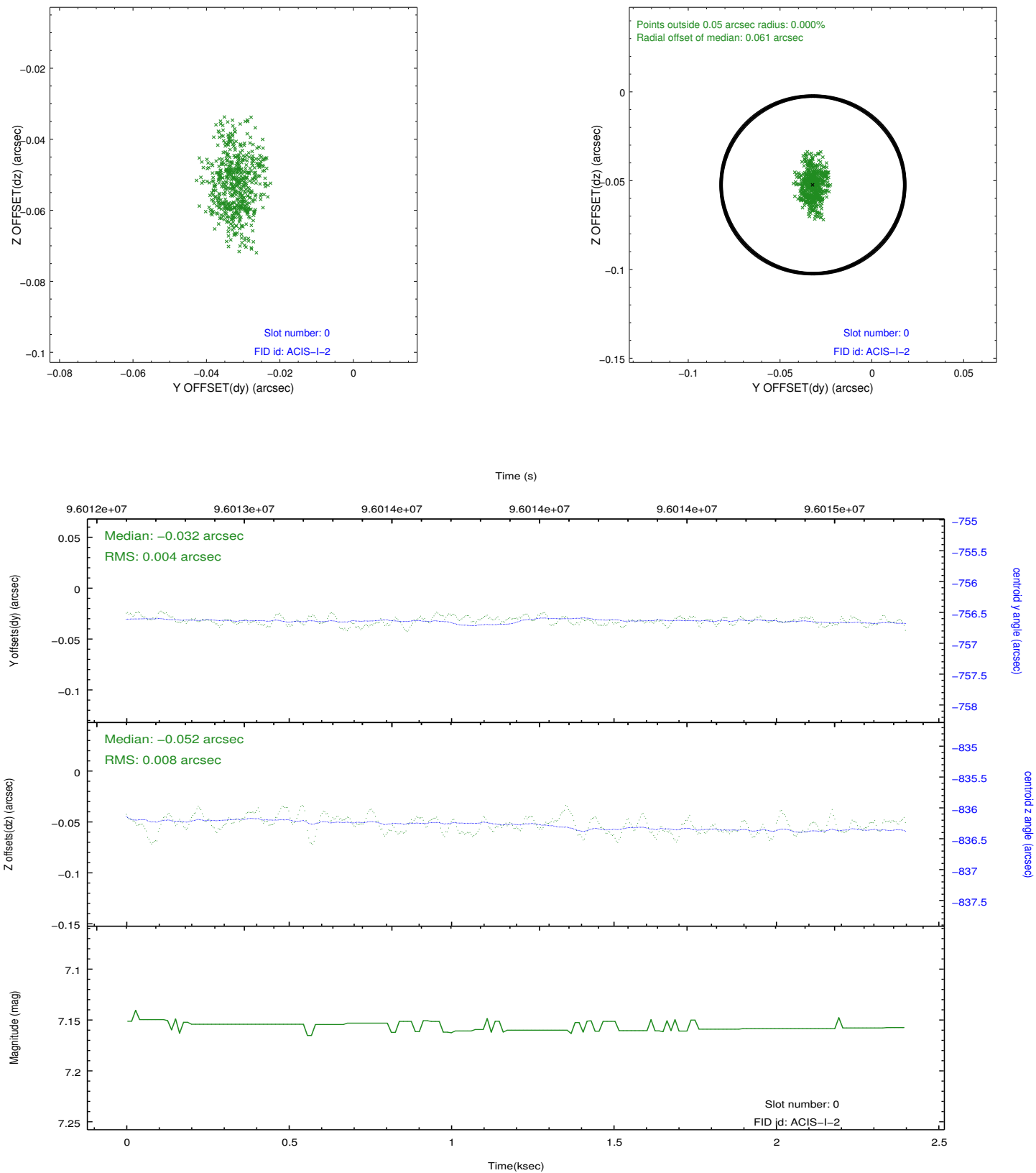


2.4.5 Slot 7

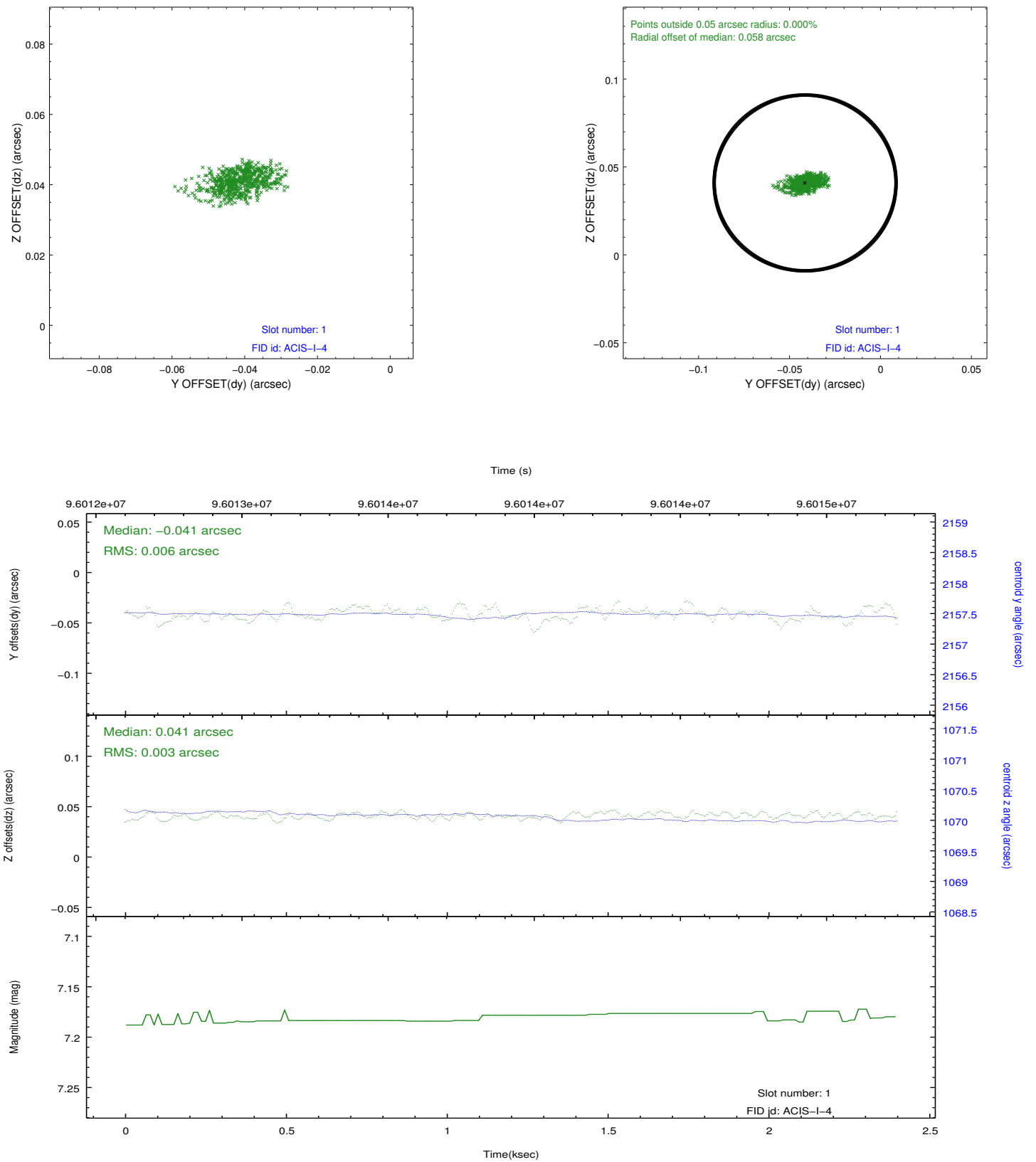


2.5 FID Slots

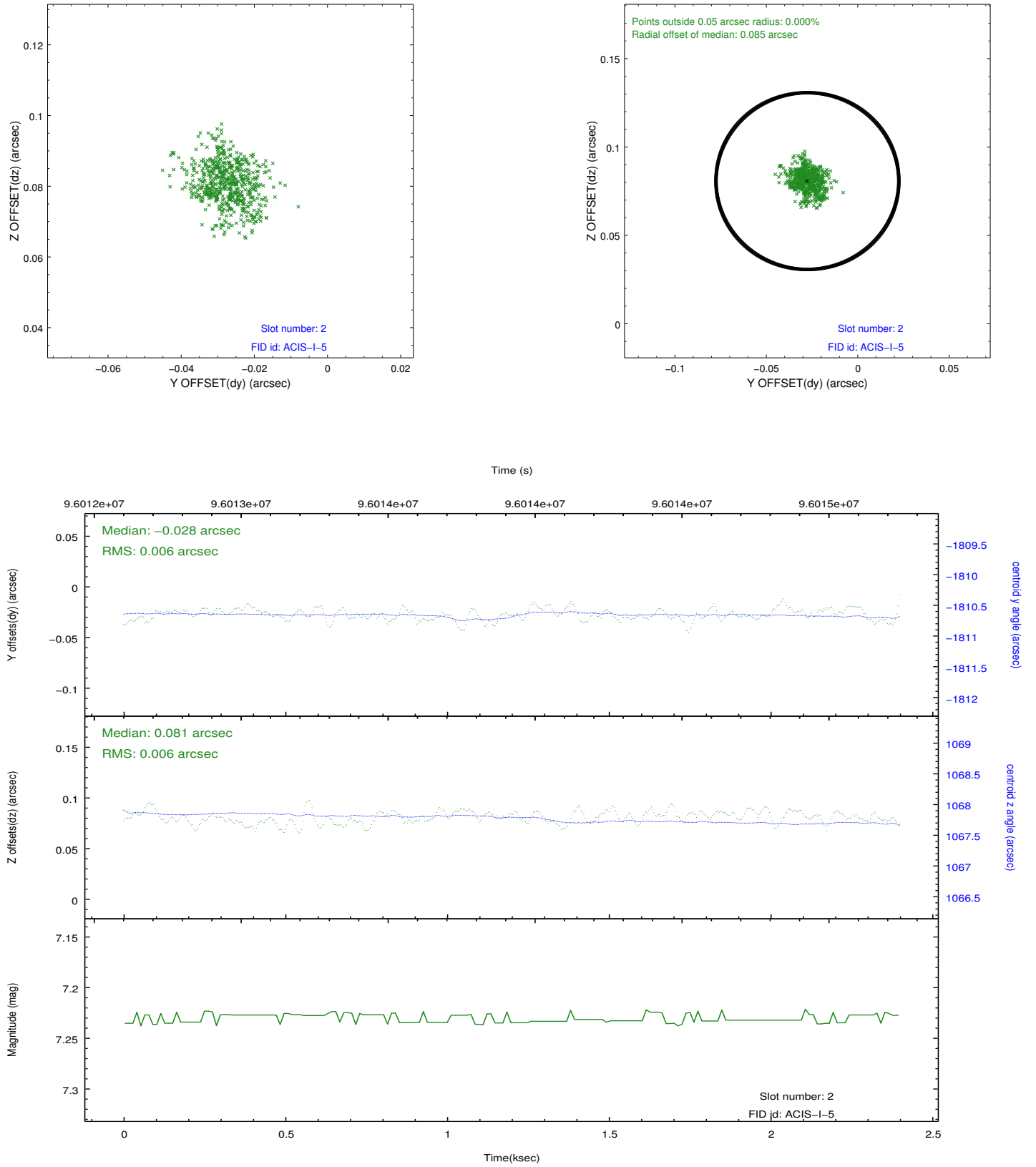
2.5.1 Slot 0



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)	2012.09.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.036

A.2 Comments