

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2153 - L2 Version 3
Chandra X-Ray Center

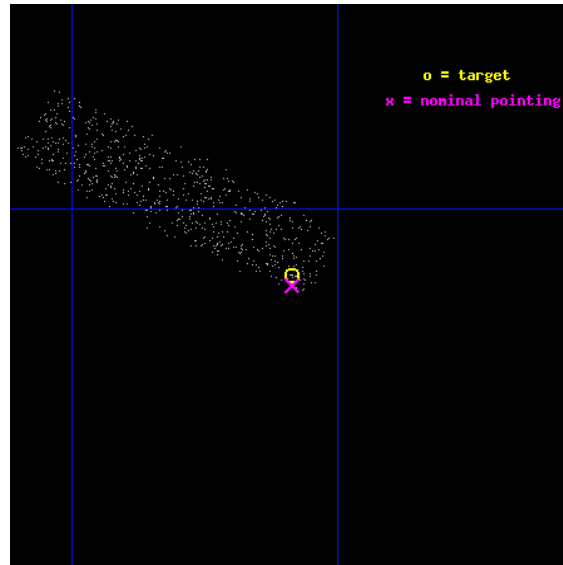
L2 Processing Date : Sep 10 2012

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1 Front

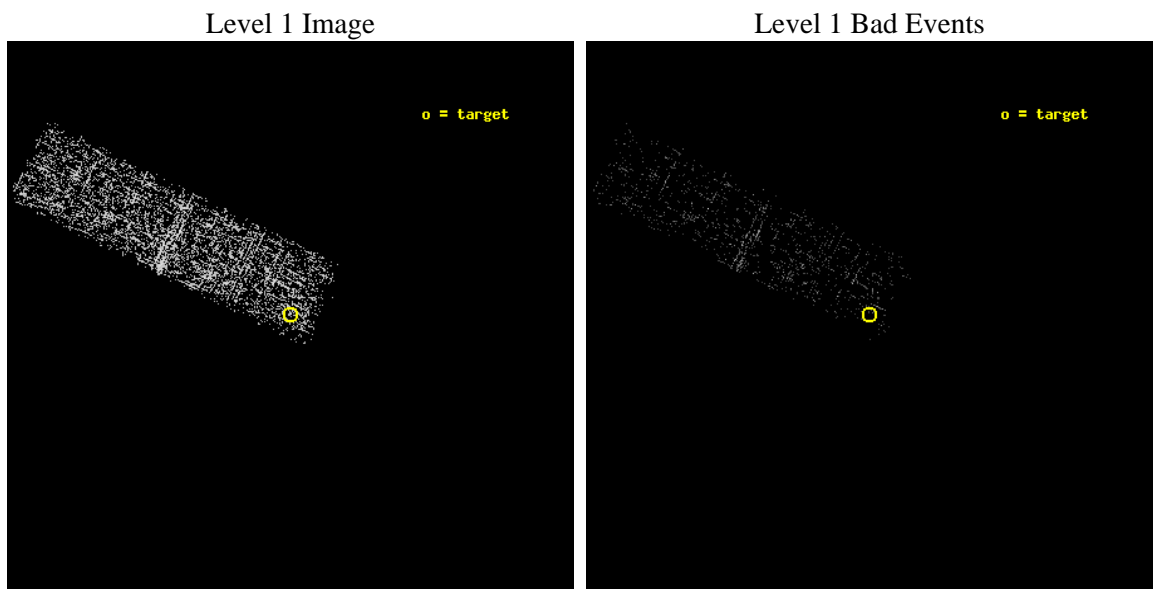
seq_num	700343	Sequence number
obs_id	2153	Observation id
title	RED QUASARS AND THE X-RAY BACKGROUND	Proposal title
observer	Dr. Belinda Wilkes	Principal investigator
object	2MASSJ010835+2148	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	17.146667	Observer's specified target RA [deg]
dec_targ	21.805167	Observer's specified target Dec [deg]
ra_nom	17.146812009982	Nominal RA [deg]
dec_nom	21.800404207006	Nominal Dec [deg]
roll_nom	296.18982138697	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3751.1999860406	Sum of GTIs [s]
livetime	3568.1537011706	Livetime [s]
ontime3	3751.1999860406	Sum of GTIs [s]
l2events	734	Number of level 2 events



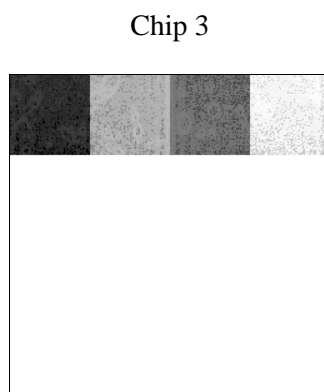
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3100.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3751.1999860406	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime3	3751.1999860406	Sum of GTIs [s]
date	2012-09-07T03:40:53	Date and time of file creation	l1events	8023	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

	ccd 3
level 1 events	8023
rejected events	7148
rejected %	89%

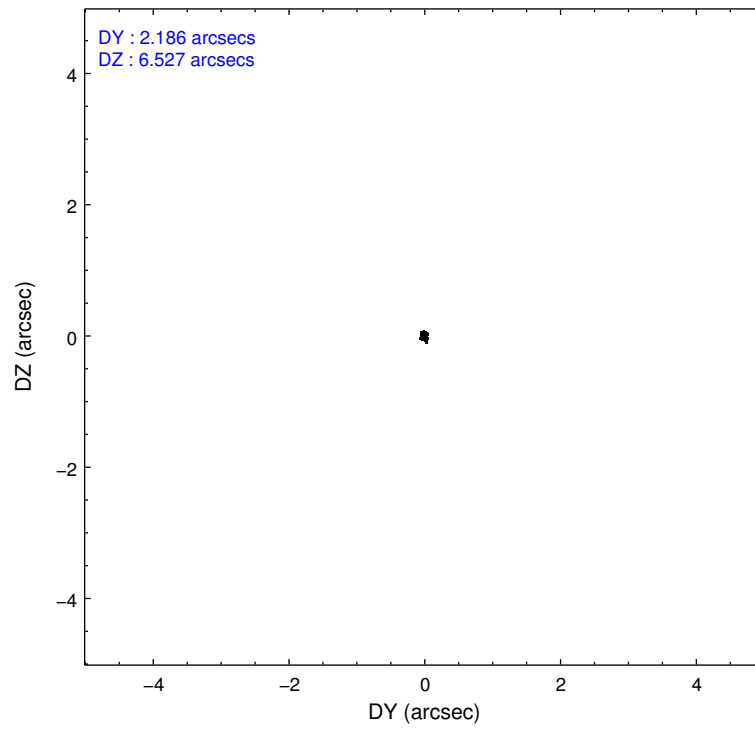
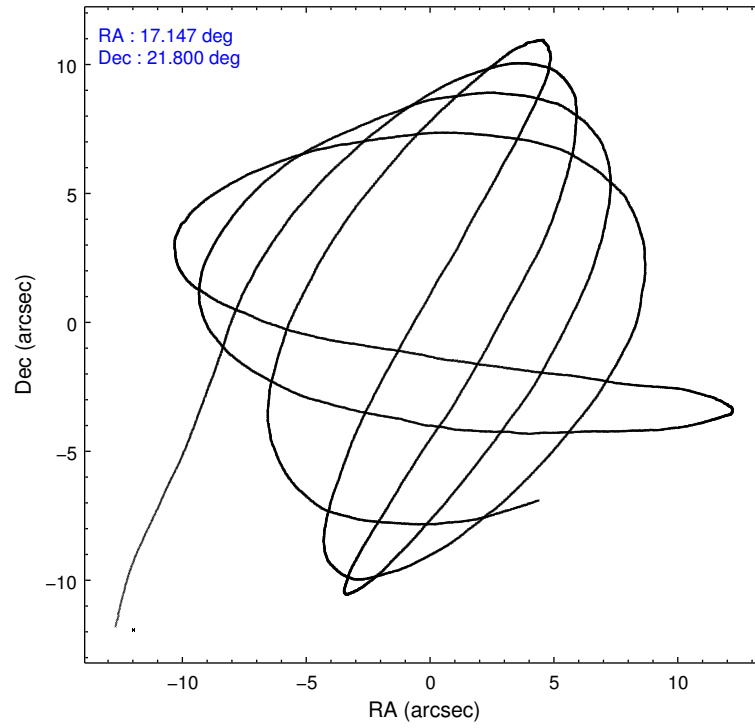
	ccd 3
grade 0 events	376
	4%
grade 1 events	1
	0%
grade 2 events	157
	1%
grade 3 events	121
	1%
grade 4 events	128
	1%
grade 5 events	245
	3%
grade 6 events	139
	1%
grade 7 events	6856
	85%

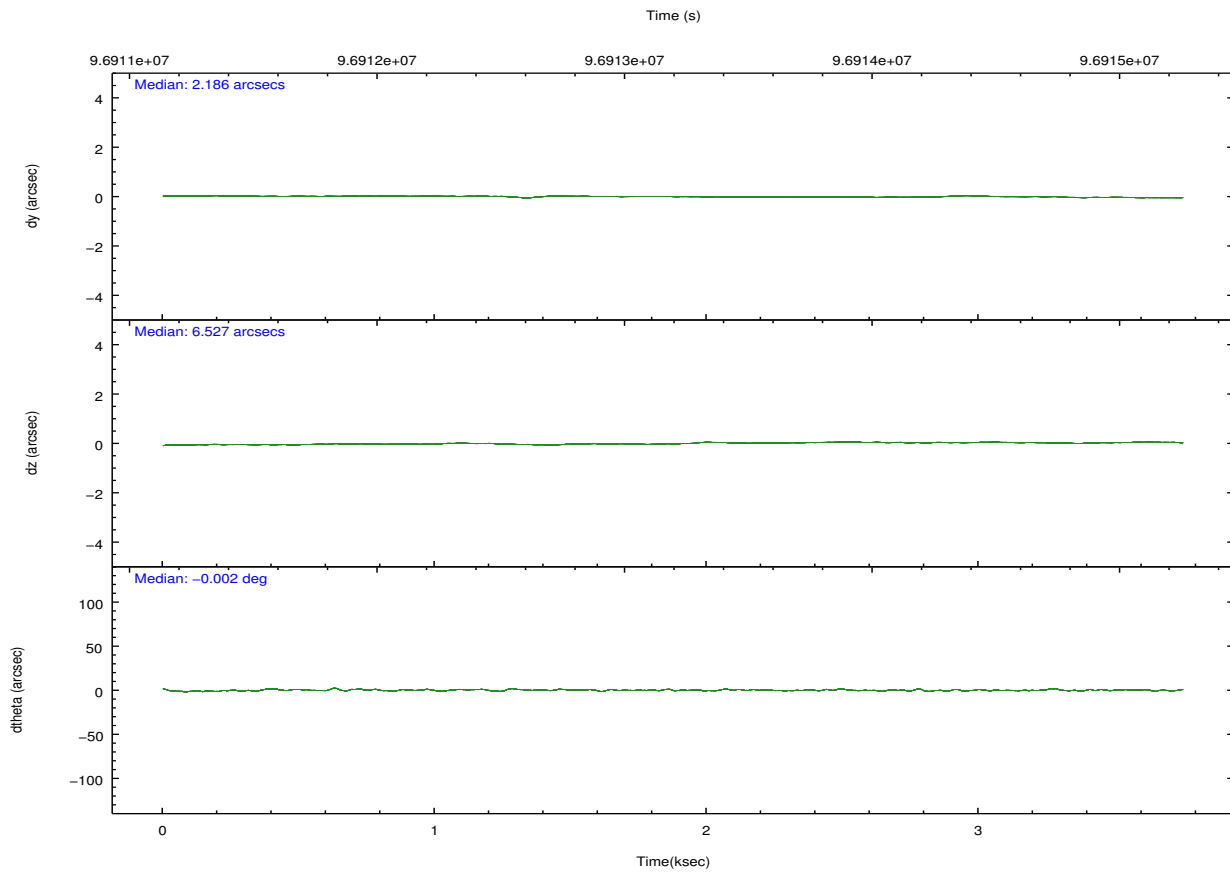
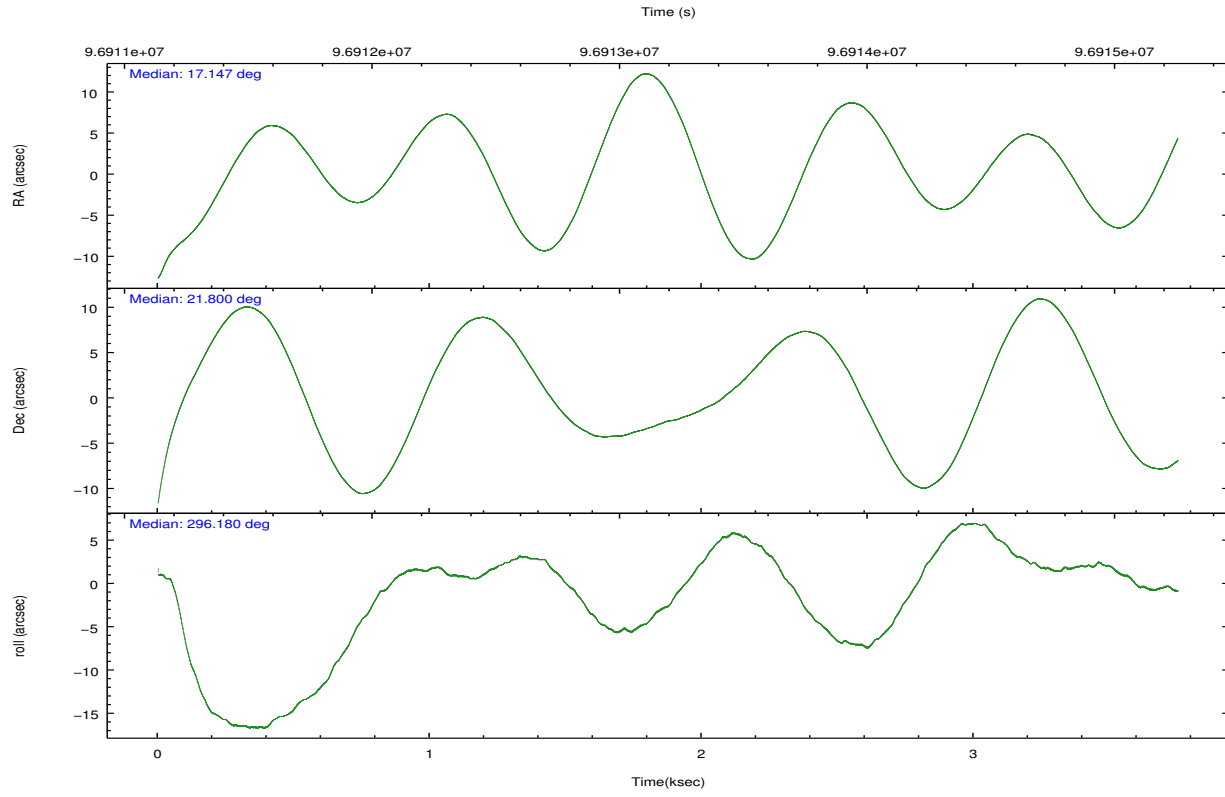
2.2 Compared Parameters

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	17.122375	17.14681200998179
[deg] Pointing Dec	21.815676	21.80040420700602
[deg] Pointing Roll	295.990216	296.1898213869739
[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)	96911975.184000	96910778.81136499
Observation start date	2001-01-26T15:58:31	2001-01-26T15:39:38
[s] Observation end time (MET)	96915075.184000	96915285.224038
Observation end date	2001-01-26T16:50:11	2001-01-26T16:54:45
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



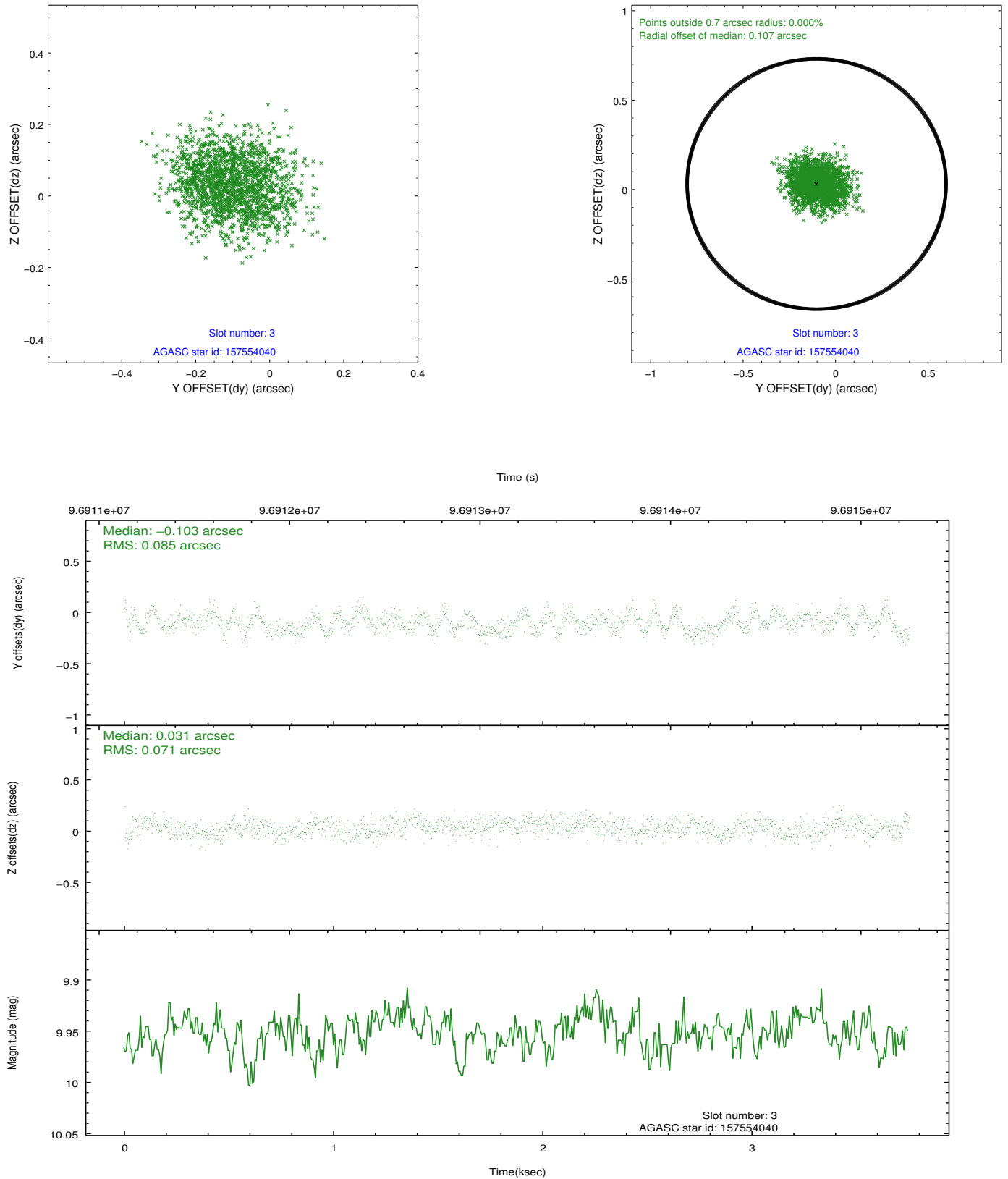


Slot Statistics

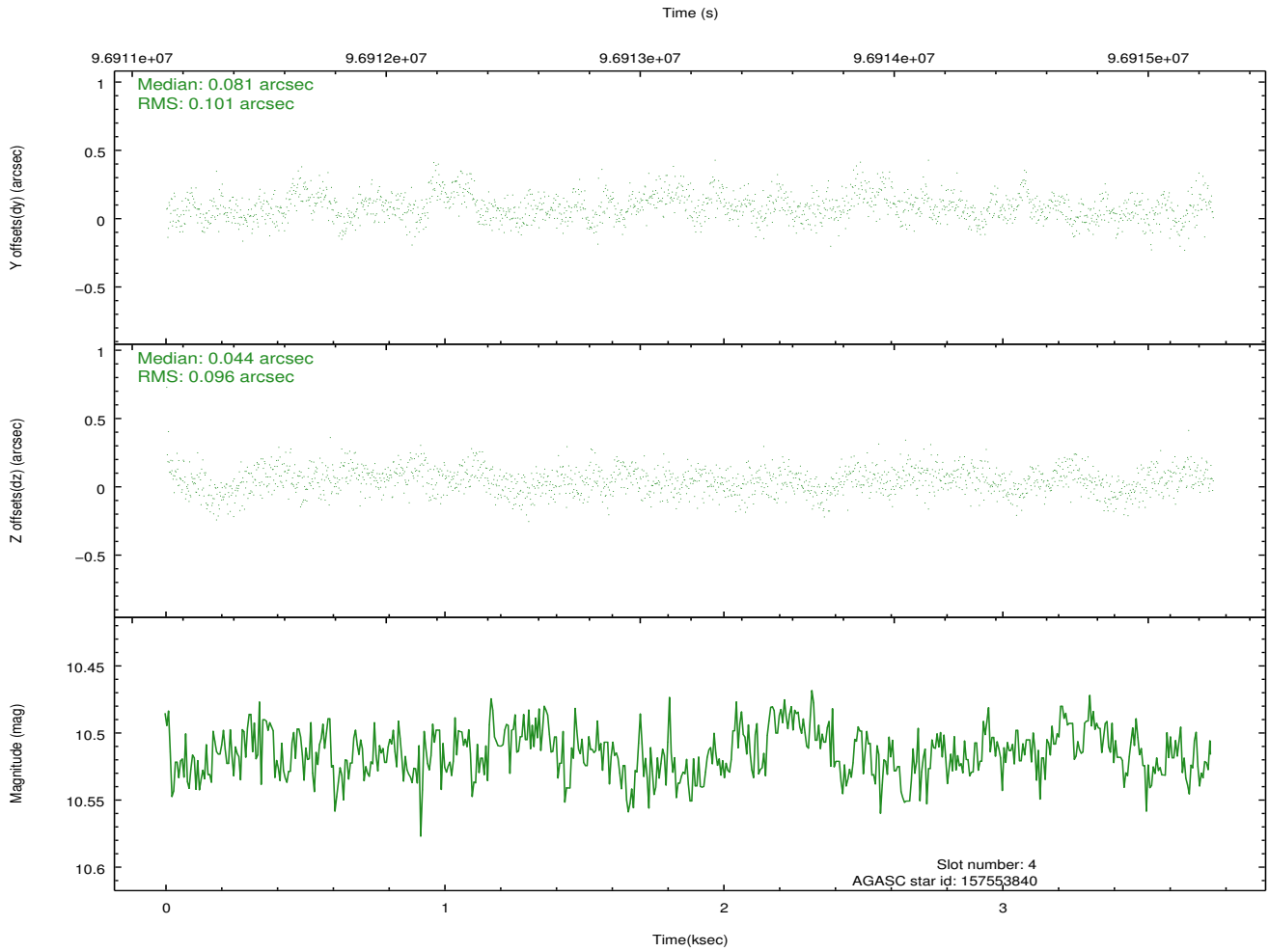
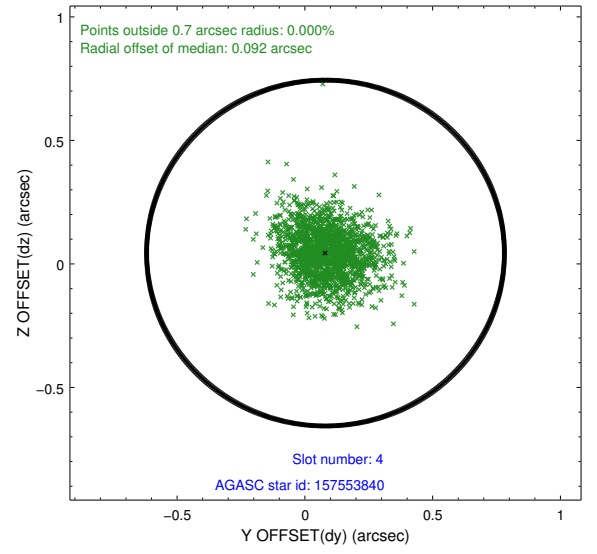
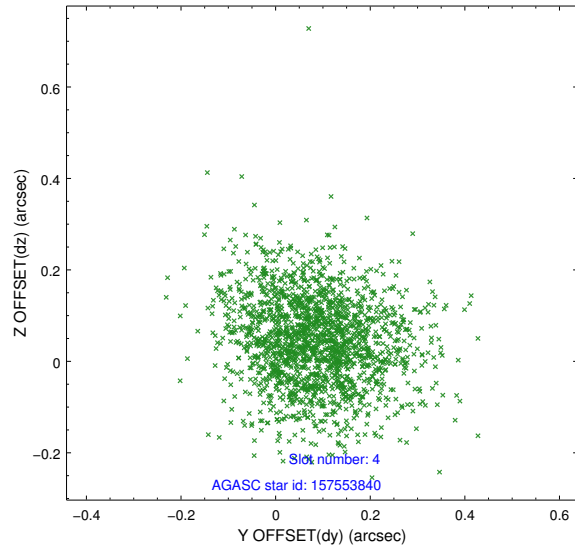
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.16	915	-0.030	-0.046	0.010	0.018	0.000000	0.000000	-756.57	-836.31
1	FID	ACIS-I-4	7.18	915	-0.047	0.038	0.007	0.011	0.000000	0.000000	2156.72	1069.10
2	FID	ACIS-I-5	7.23	915	-0.024	0.077	0.010	0.017	0.000000	0.000000	-1808.23	1068.90
3	GUIDE	157554040	9.95	1830	-0.103	0.031	0.120	0.184	17.463585	22.409479	-1426.46	1957.65
4	GUIDE	157553840	10.52	1831	0.081	0.044	0.145	0.245	17.416278	21.969877	-71.69	1126.50
5	GUIDE	157553200	9.28	1830	0.156	0.012	0.083	0.135	17.090917	21.461163	1100.28	-653.42
6	GUIDE	157552464	9.09	1830	-0.043	-0.121	0.099	0.158	16.427317	21.638021	-449.01	-2369.42
7	GUIDE	157554088	9.60	1829	-0.094	0.032	0.086	0.149	16.713554	22.113708	-1564.72	-756.45

2.4 Star Slots

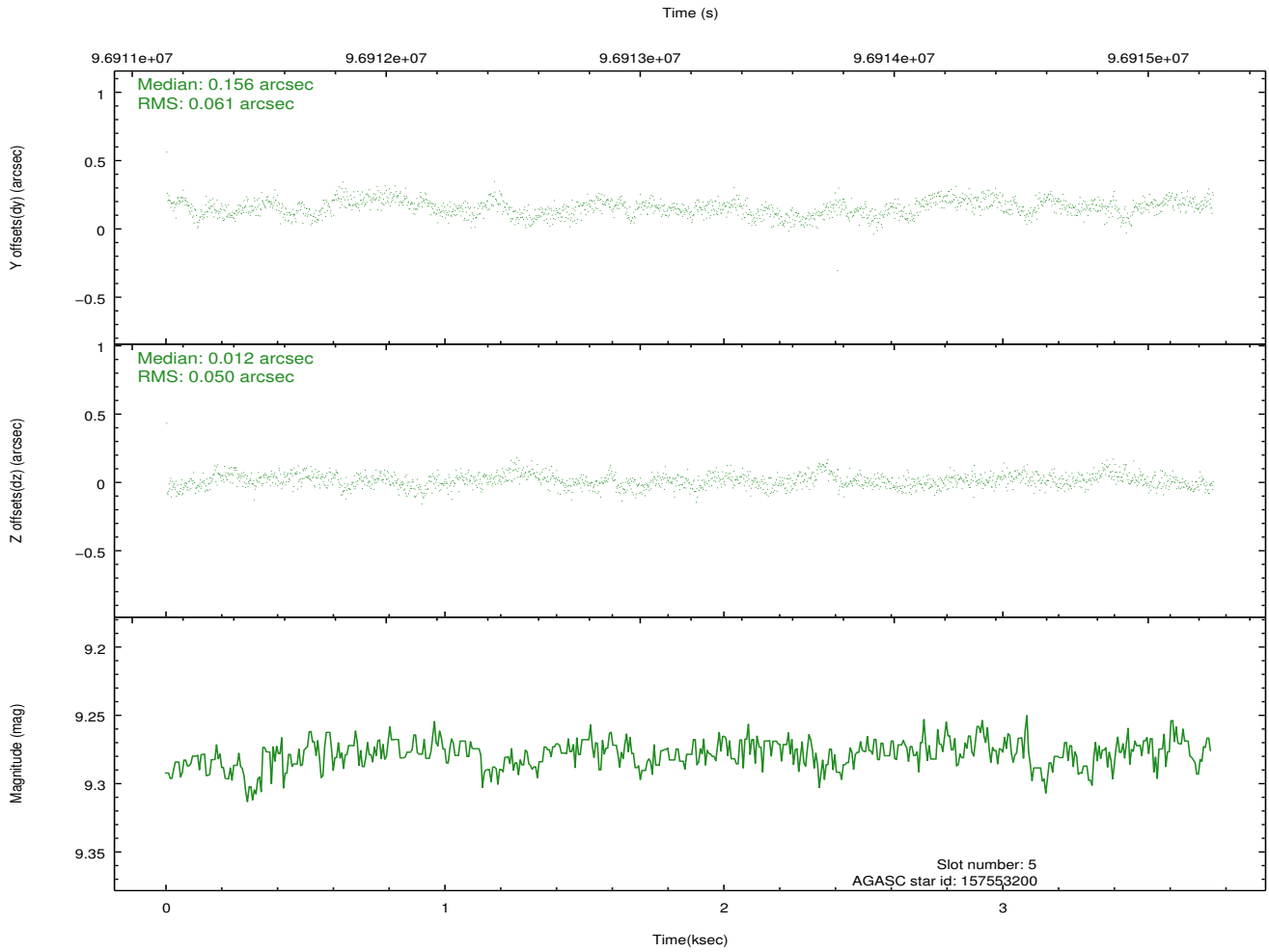
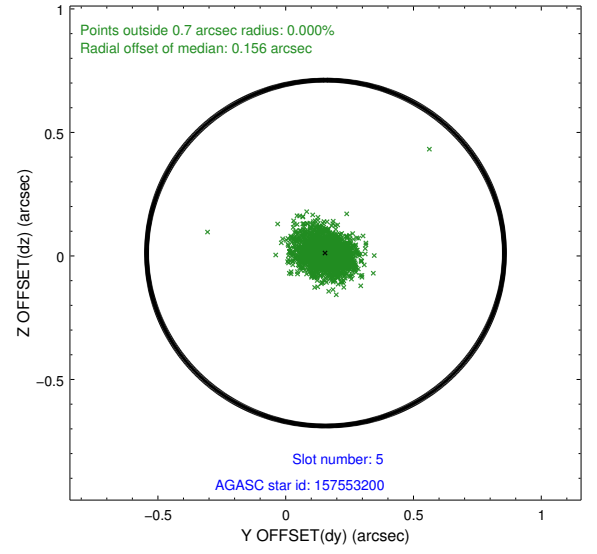
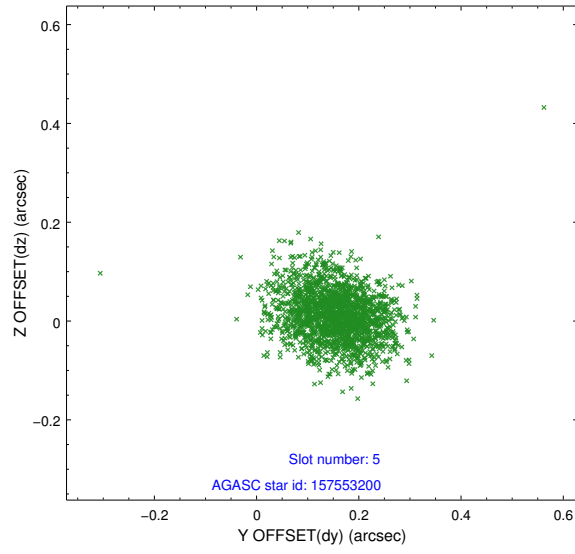
2.4.1 Slot 3



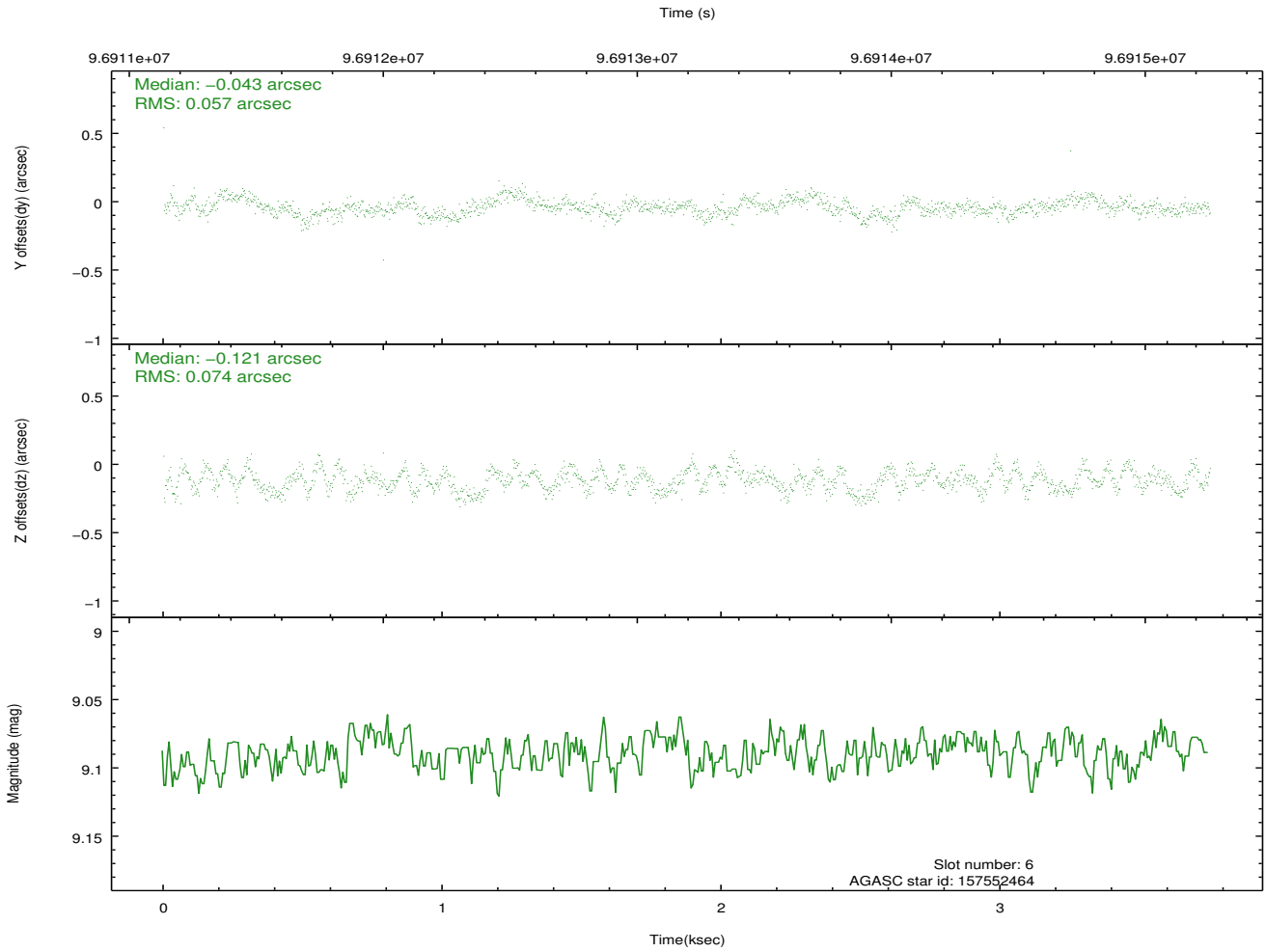
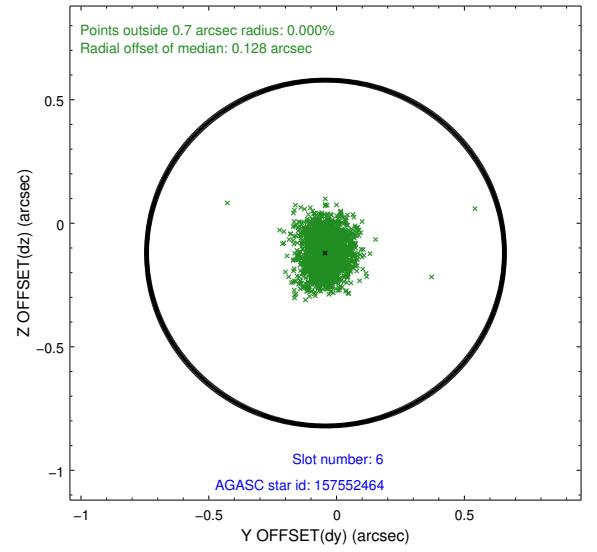
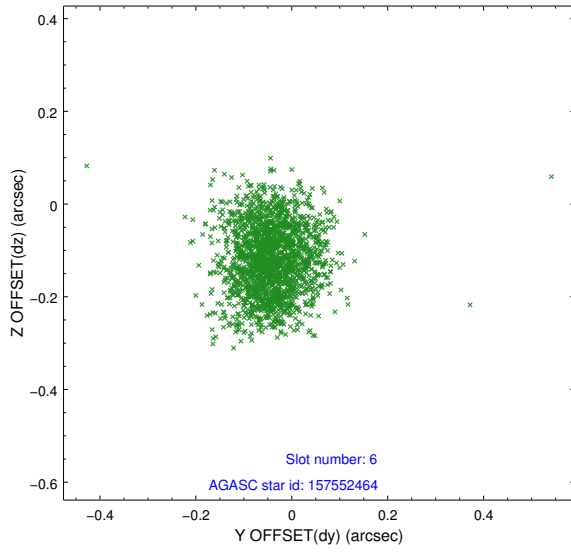
2.4.2 Slot 4



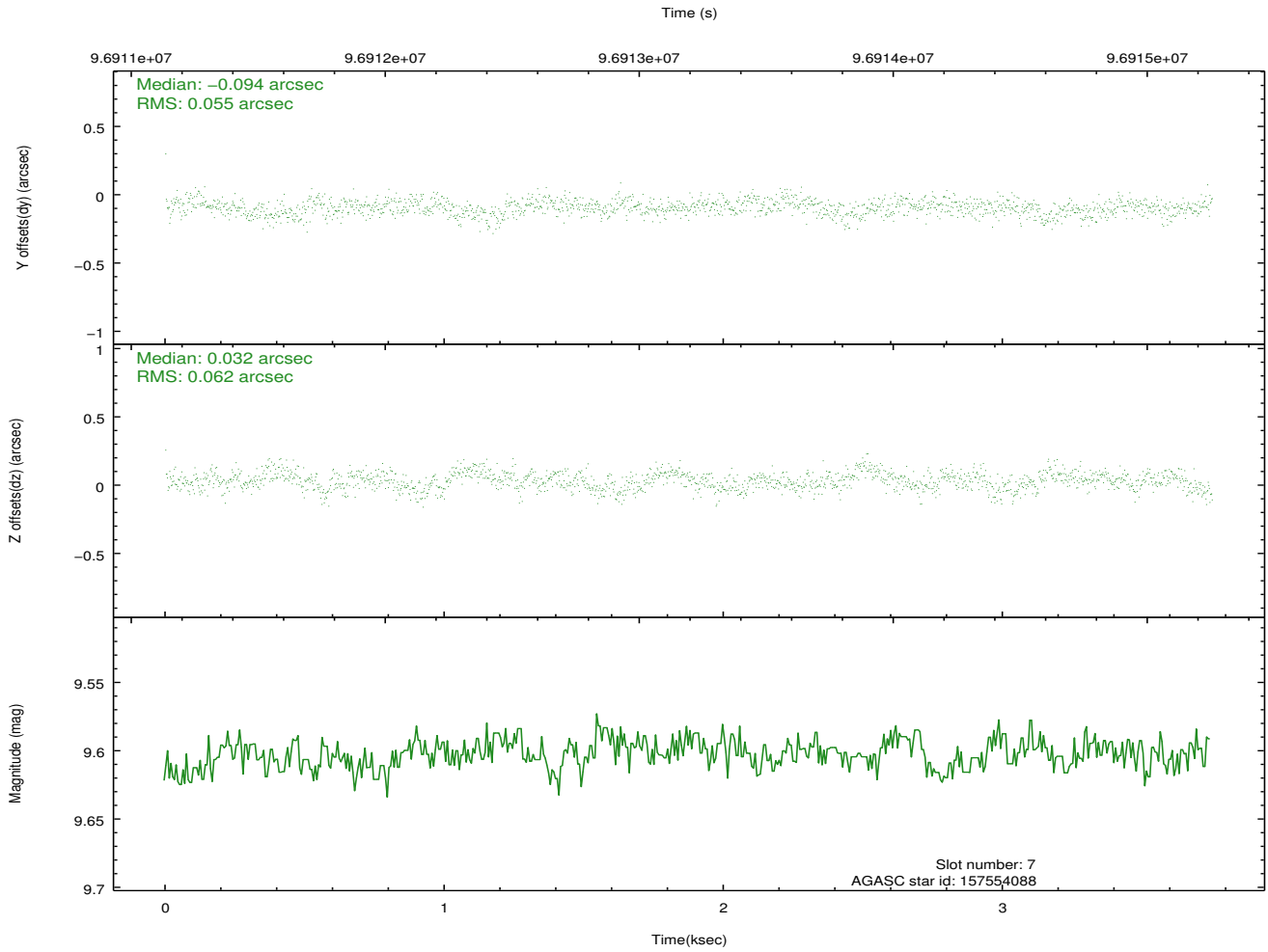
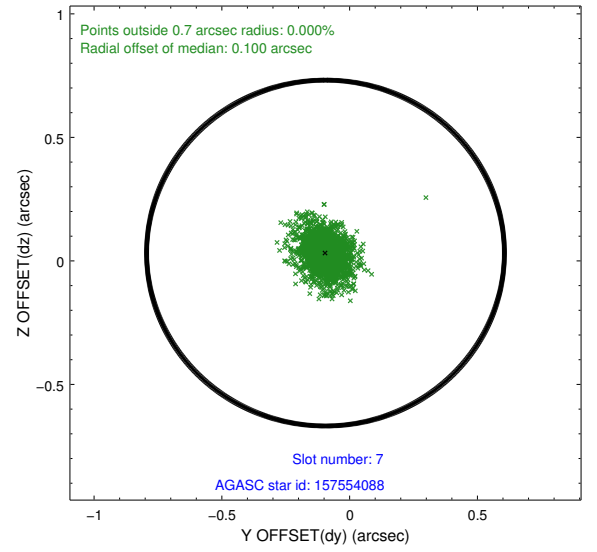
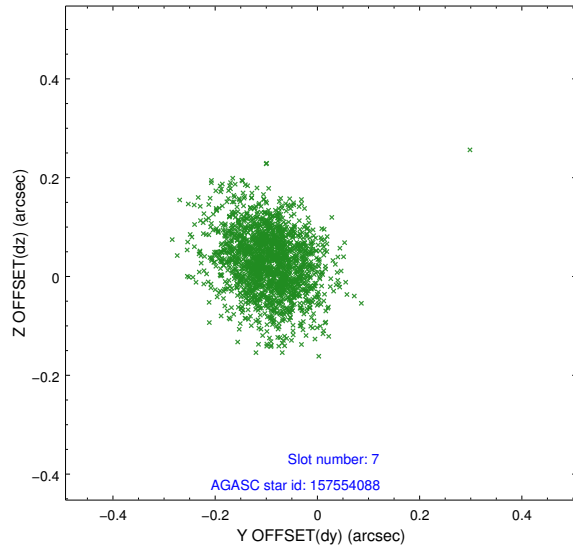
2.4.3 Slot 5



2.4.4 Slot 6

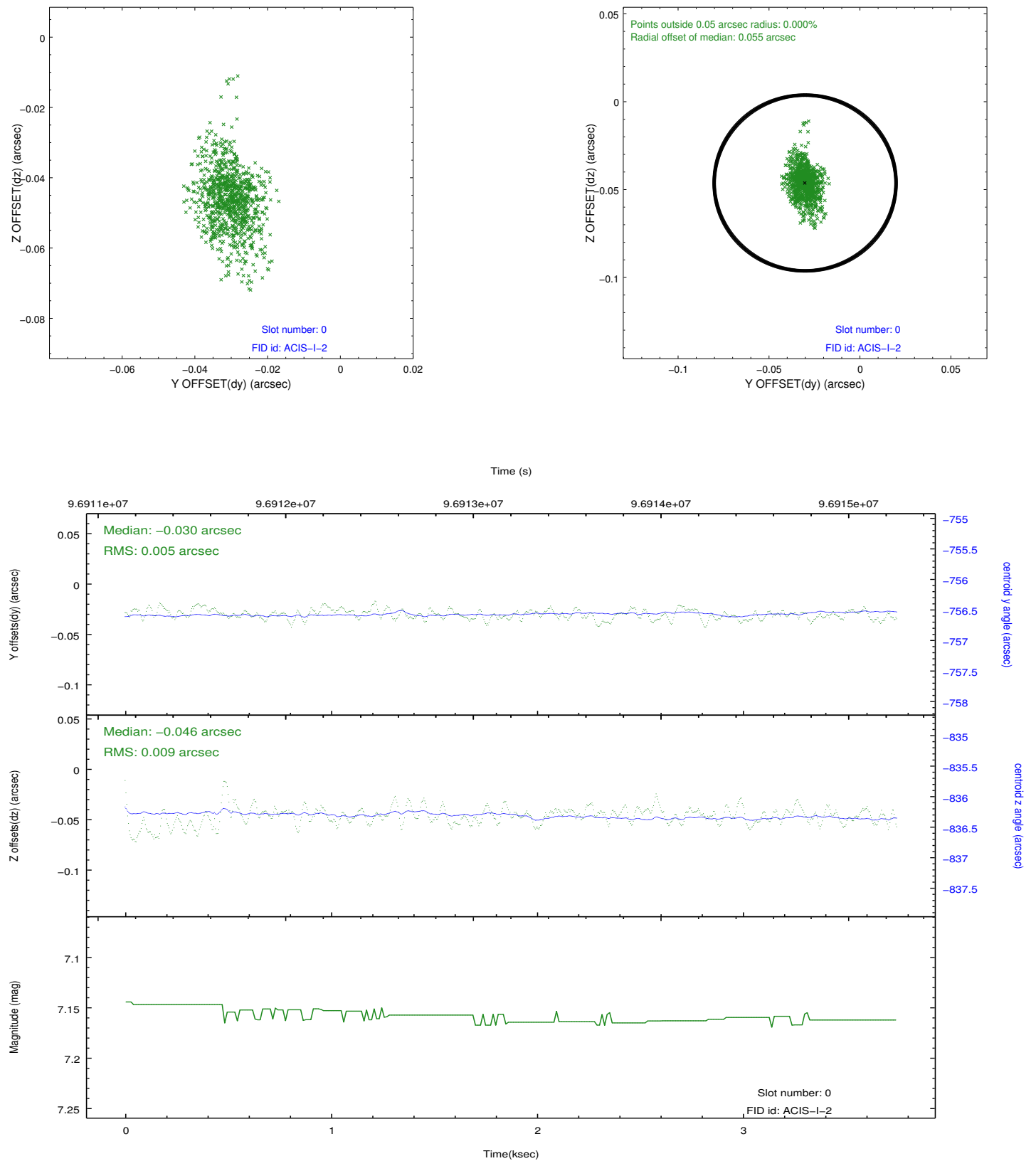


2.4.5 Slot 7

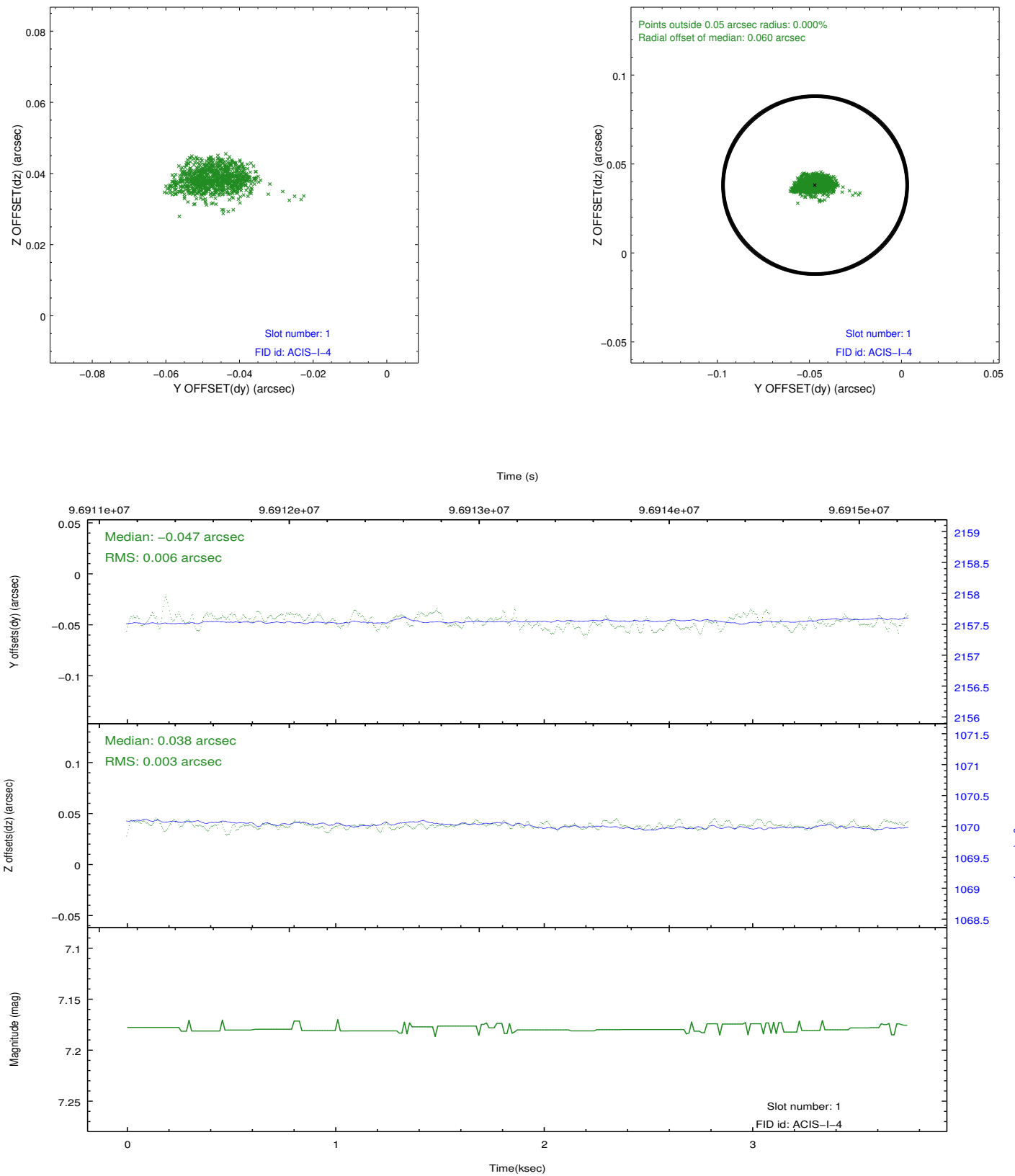


2.5 FID Slots

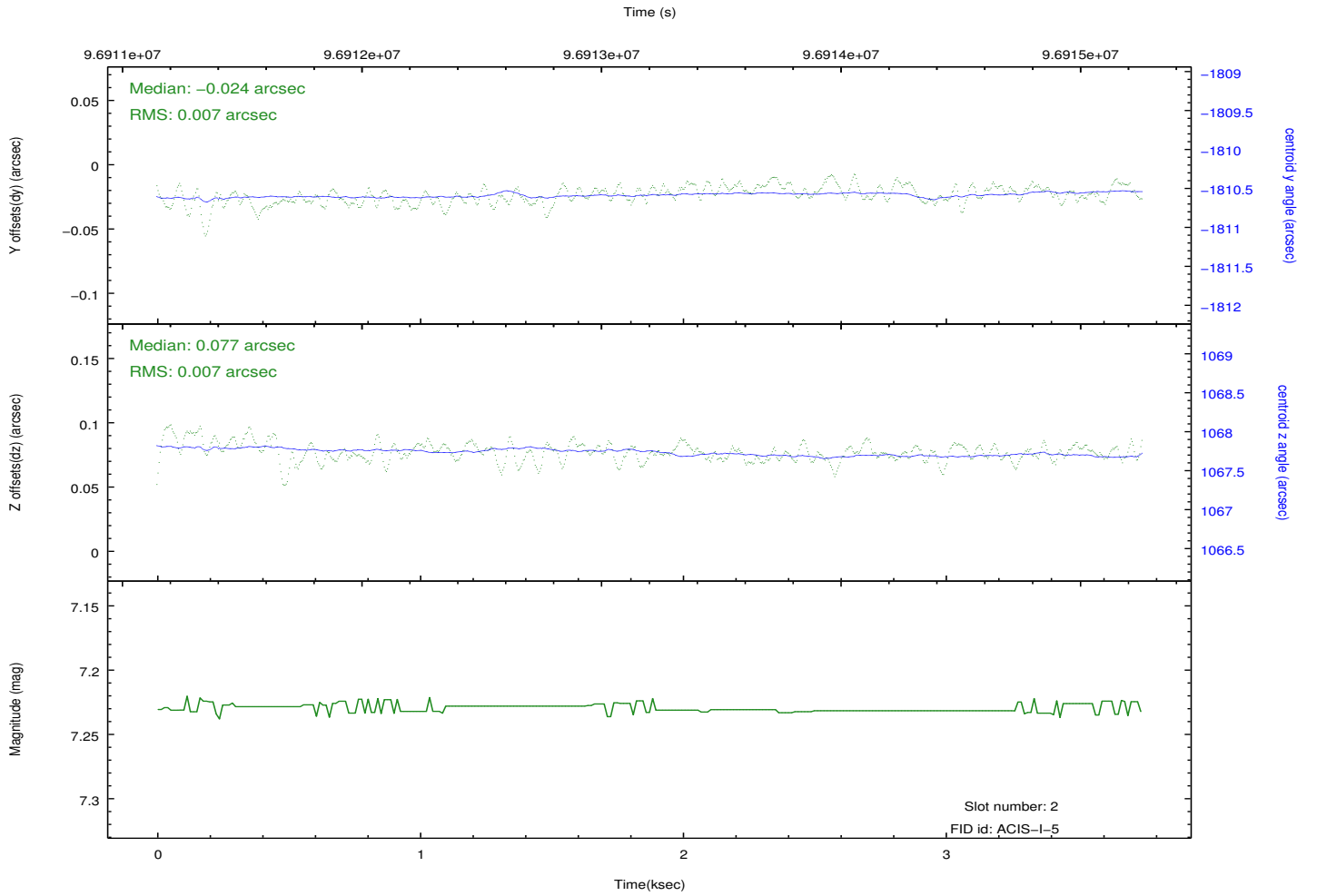
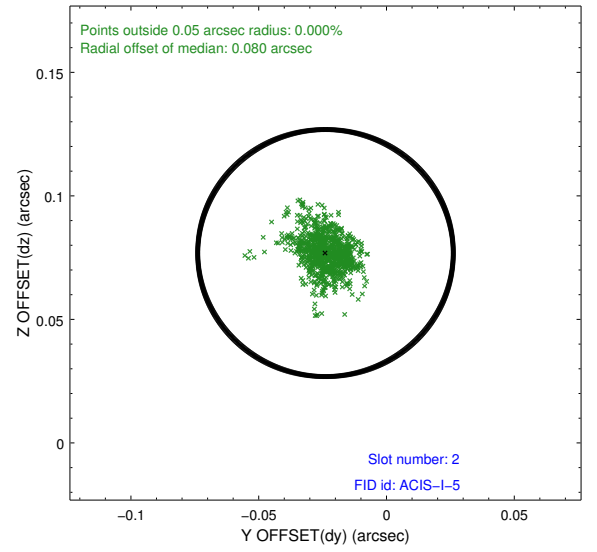
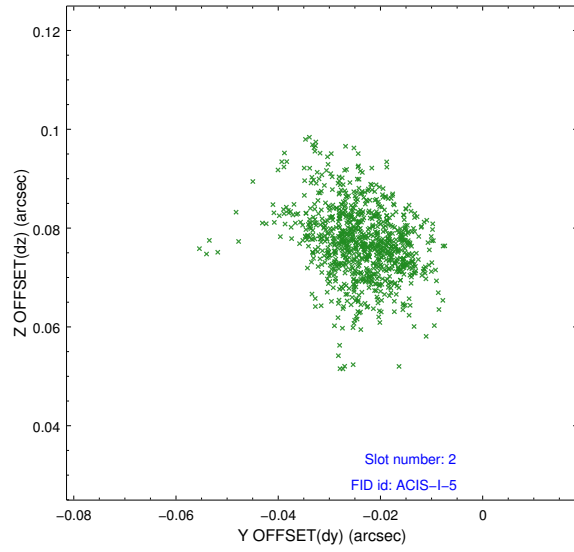
2.5.1 Slot 0



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)	2012.09.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.751

A.2 Comments