

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2155 - L2 Version 3
Chandra X-Ray Center

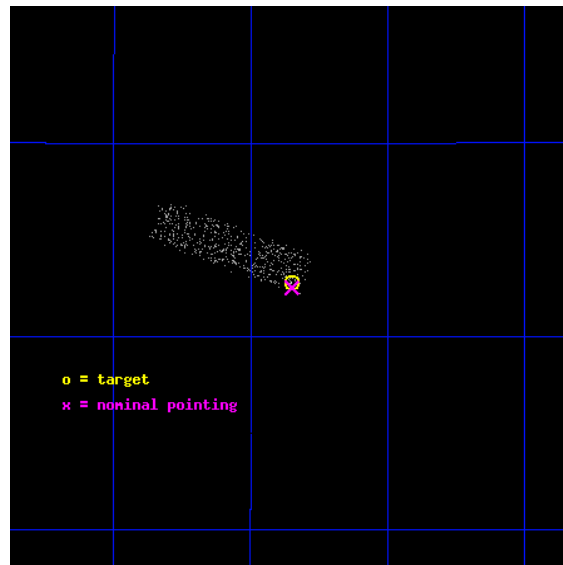
L2 Processing Date : Sep 7 2012

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1 Front

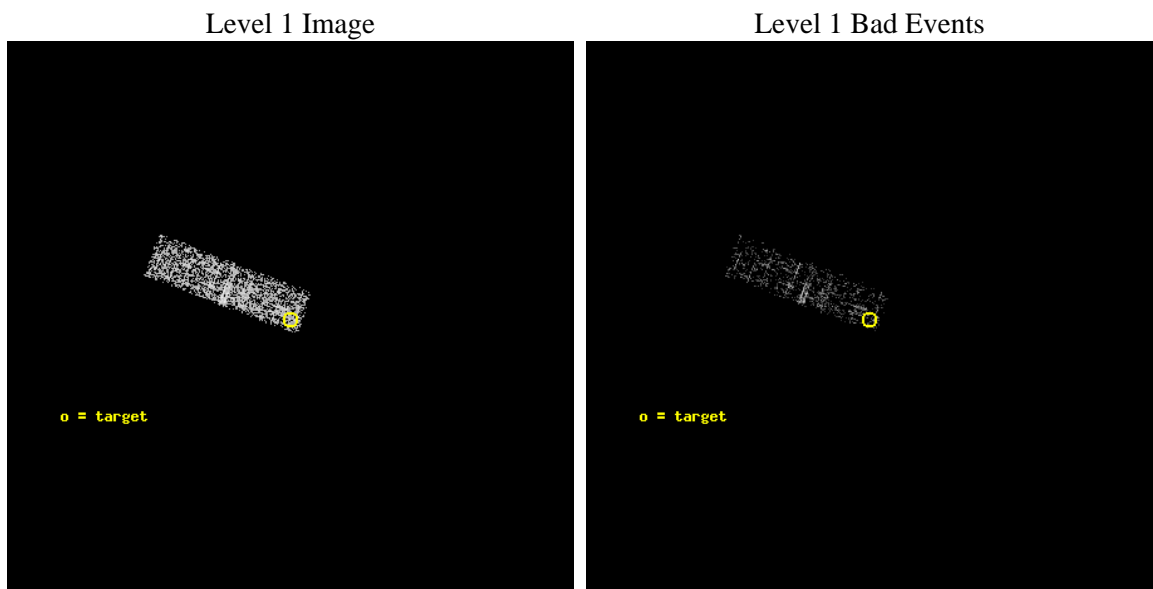
seq_num	700345	Sequence number
obs_id	2155	Observation id
title	RED QUASARS AND THE X-RAY BACKGROUND	Proposal title
observer	Dr. Belinda Wilkes	Principal investigator
object	2MASSJ015721+1712	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	29.3375	Observer's specified target RA [deg]
dec_targ	17.213444	Observer's specified target Dec [deg]
ra_nom	29.337327241206	Nominal RA [deg]
dec_nom	17.208729396305	Nominal Dec [deg]
roll_nom	290.90444493093	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2543.6214099675	Sum of GTIs [s]
livetime	2419.5010082446	Livetime [s]
ontime3	2543.6214099675	Sum of GTIs [s]
l2events	569	Number of level 2 events



2 OBI

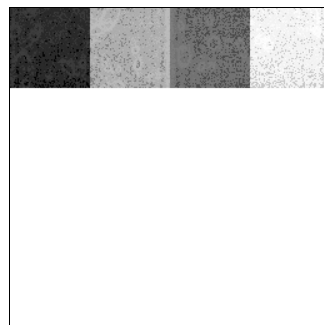
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 3



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2700.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2543.6214099675	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime3	2543.6214099675	Sum of GTIs [s]
date	2012-09-07T03:40:29	Date and time of file creation	l1events	5500	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

	ccd 3
level 1 events	5500
rejected events	4836
rejected %	87%

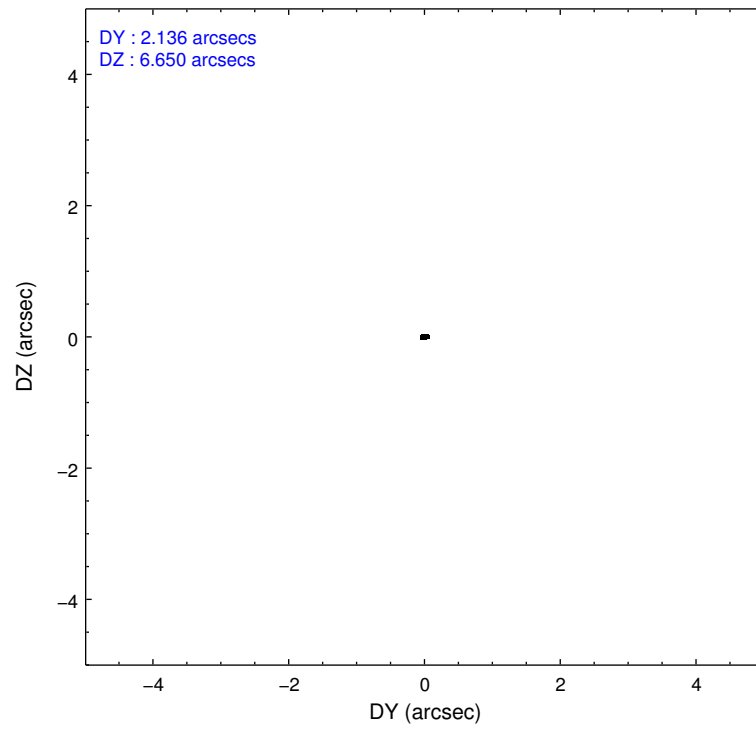
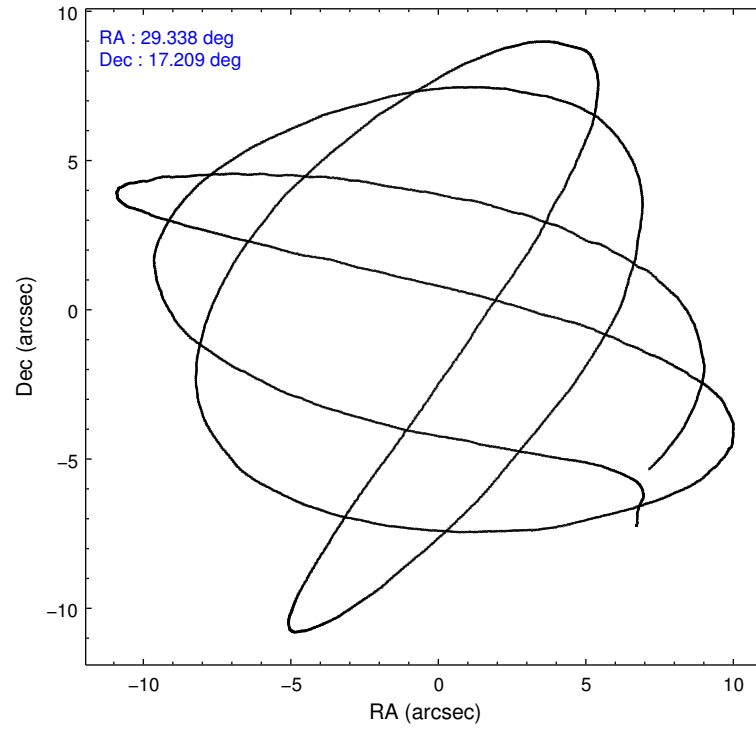
	ccd 3
grade 0 events	291
	5%
grade 1 events	0
	0%
grade 2 events	95
	1%
grade 3 events	87
	1%
grade 4 events	87
	1%
grade 5 events	144
	2%
grade 6 events	104
	1%
grade 7 events	4692
	85%

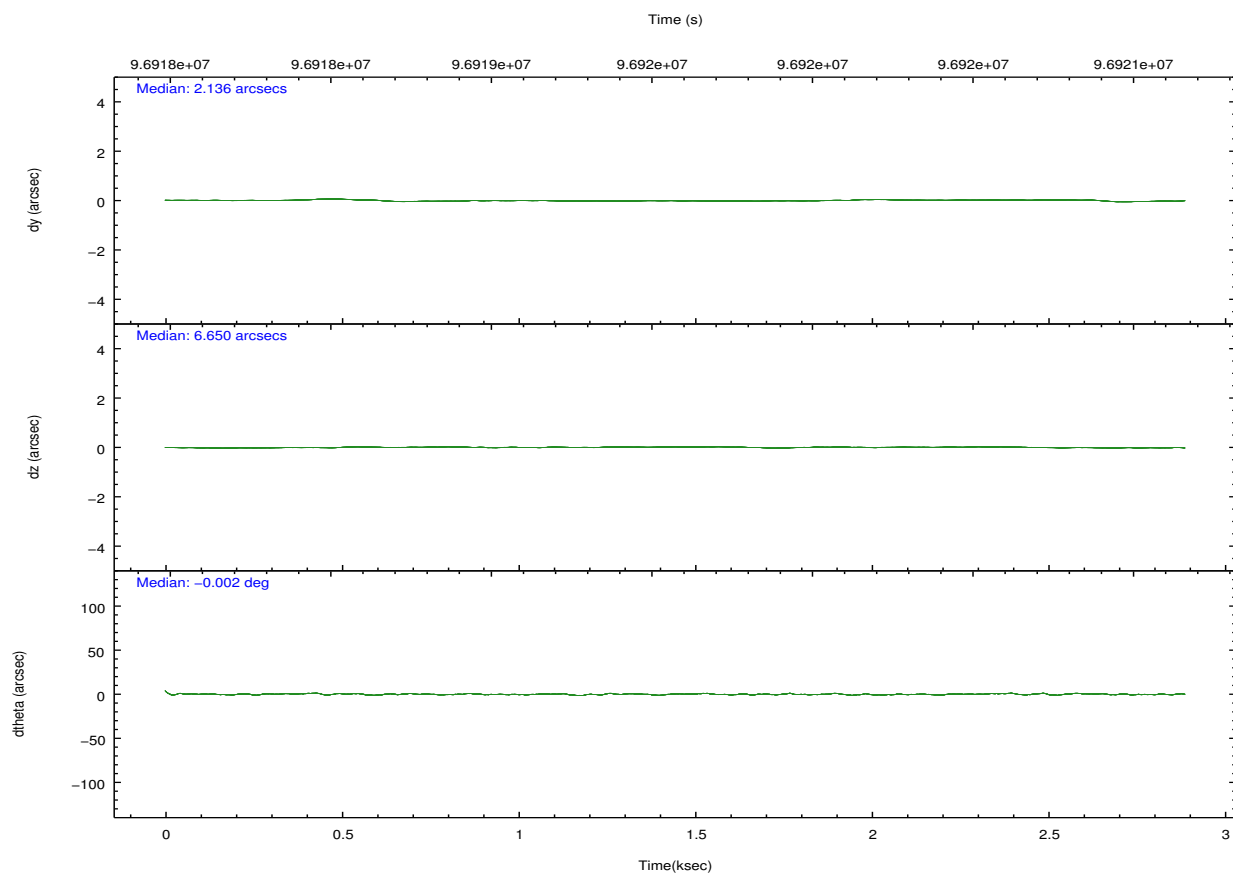
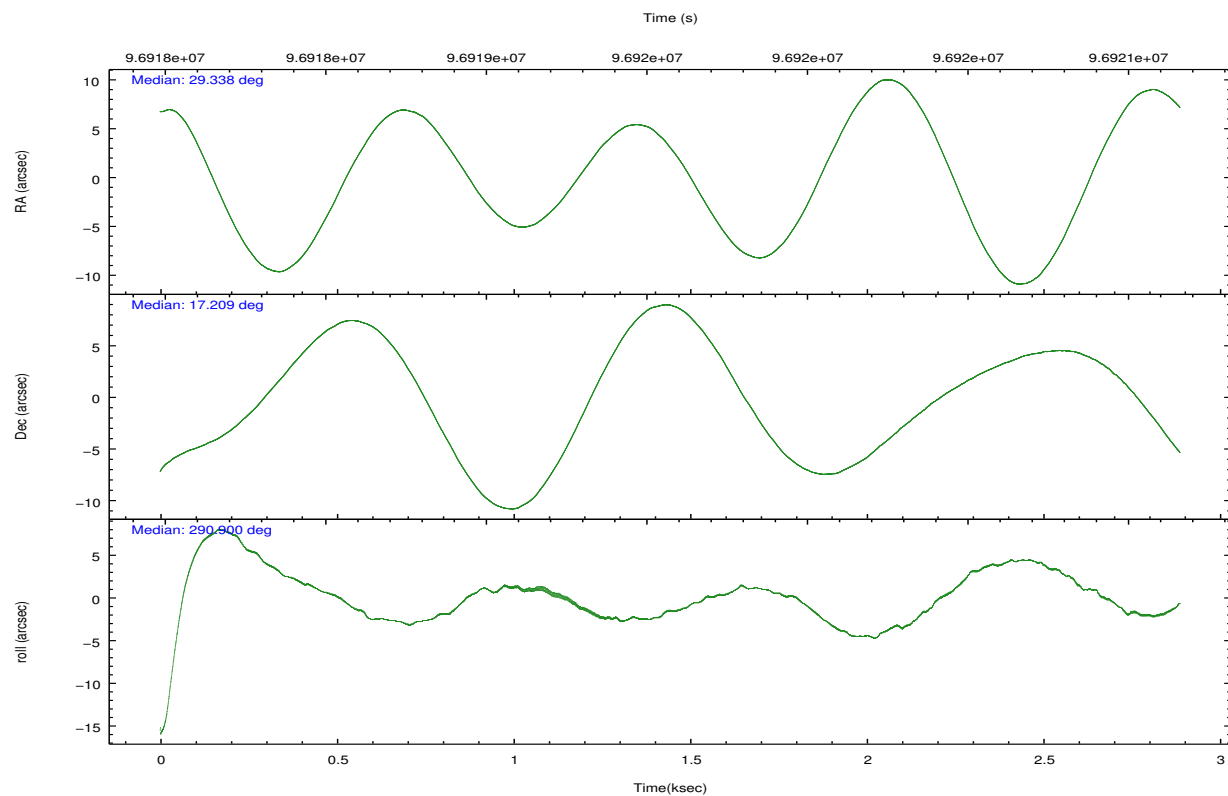
2.2 Compared Parameters

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	29.315000	29.33732724120618
[deg] Pointing Dec	17.225993	17.20872939630477
[deg] Pointing Roll	290.702458	290.9044449309334
[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)	96918313.184000	96917754.44913299
Observation start date	2001-01-26T17:44:09	2001-01-26T17:35:54
[s] Observation end time (MET)	96921013.184000	96921407.03677399
Observation end date	2001-01-26T18:29:09	2001-01-26T18:36:47
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



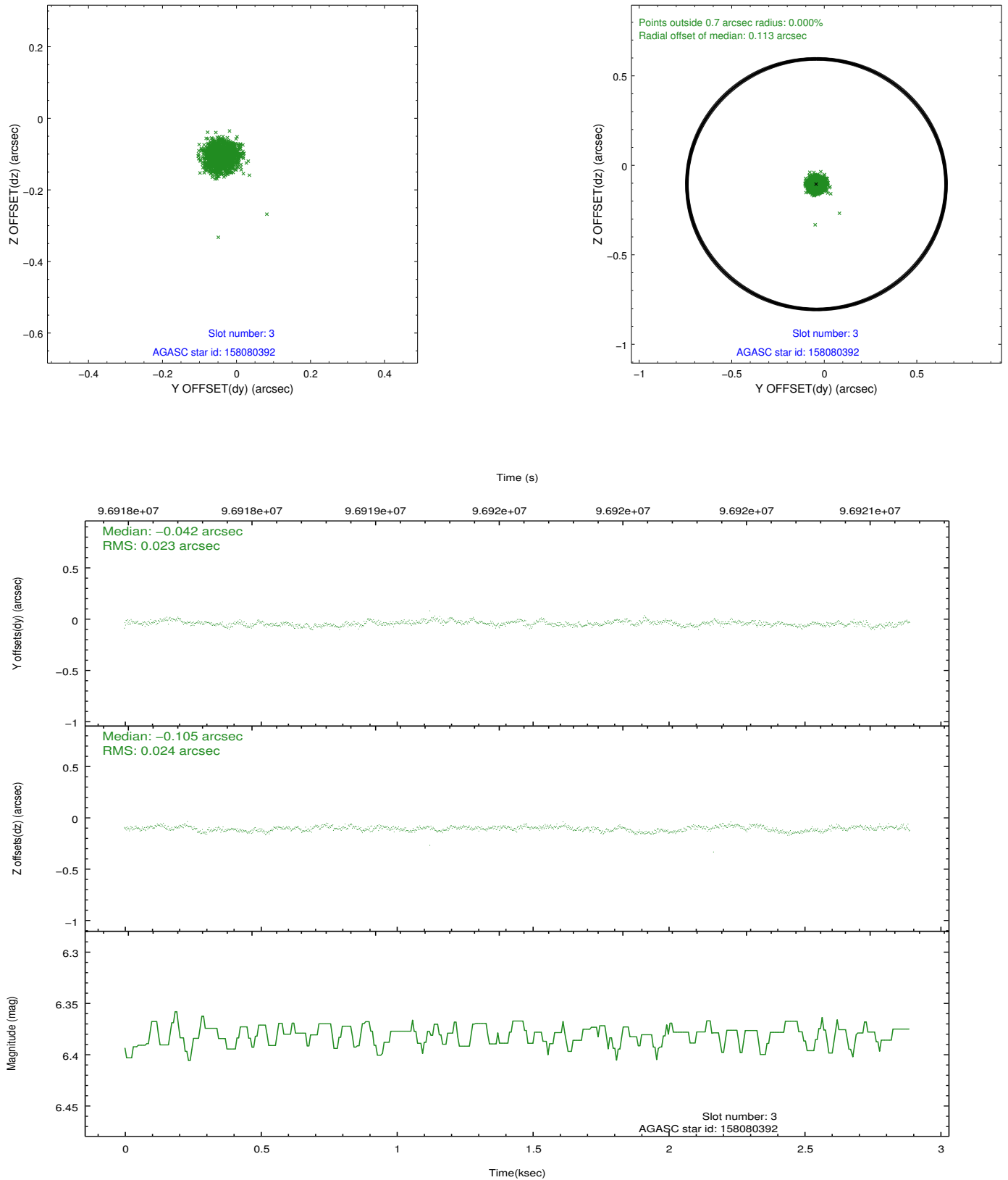


Slot Statistics

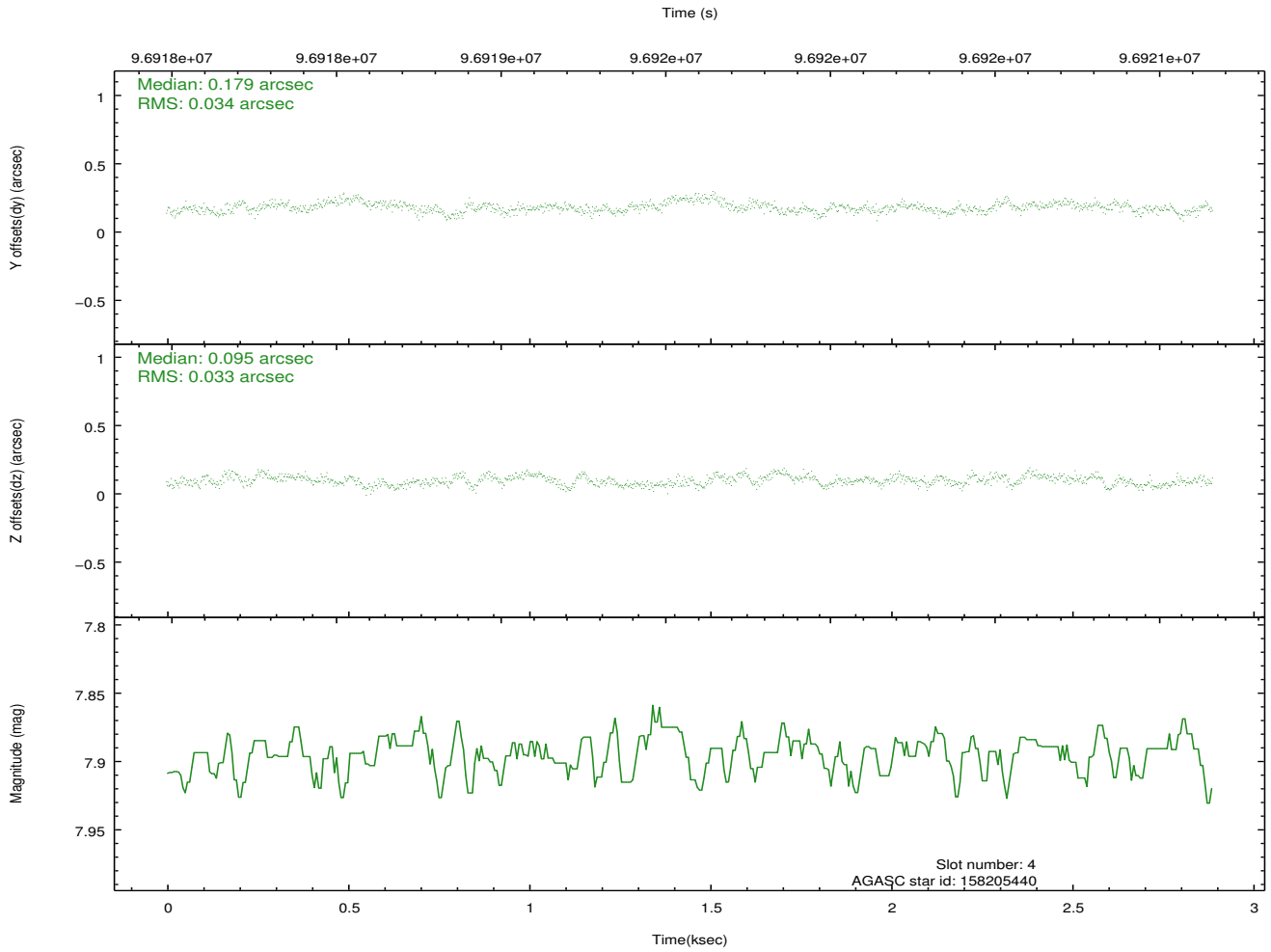
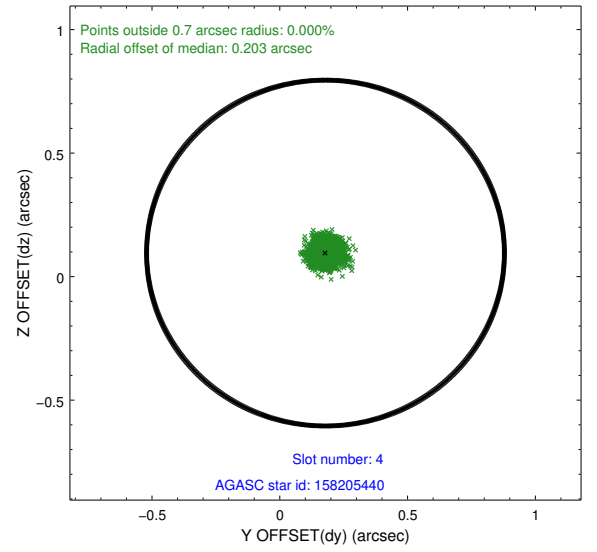
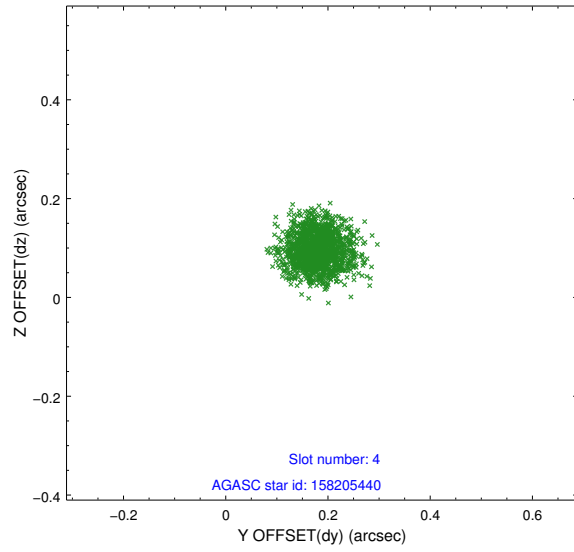
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.16	705	-0.030	-0.052	0.008	0.014	0.000000	0.000000	-756.52	-836.45
1	FID	ACIS-I-4	7.18	705	-0.047	0.040	0.006	0.010	0.000000	0.000000	2156.52	1068.71
2	FID	ACIS-I-5	7.23	705	-0.023	0.081	0.008	0.014	0.000000	0.000000	-1807.48	1069.12
3	GUIDE	158080392	6.38	1409	-0.042	-0.105	0.035	0.055	28.879882	17.189360	-407.90	-1446.90
4	GUIDE	158205440	7.89	1410	0.179	0.095	0.052	0.081	29.697876	17.025839	1137.88	976.94
5	GUIDE	158606800	8.06	1410	-0.003	0.133	0.053	0.085	29.515636	17.539030	-810.99	1042.77
6	GUIDE	158476200	8.68	1410	-0.083	0.040	0.056	0.094	29.261564	17.812968	-2042.89	575.42
7	GUIDE	158477280	8.71	1408	-0.052	-0.164	0.061	0.096	28.694039	17.552471	-1858.27	-1577.91

2.4 Star Slots

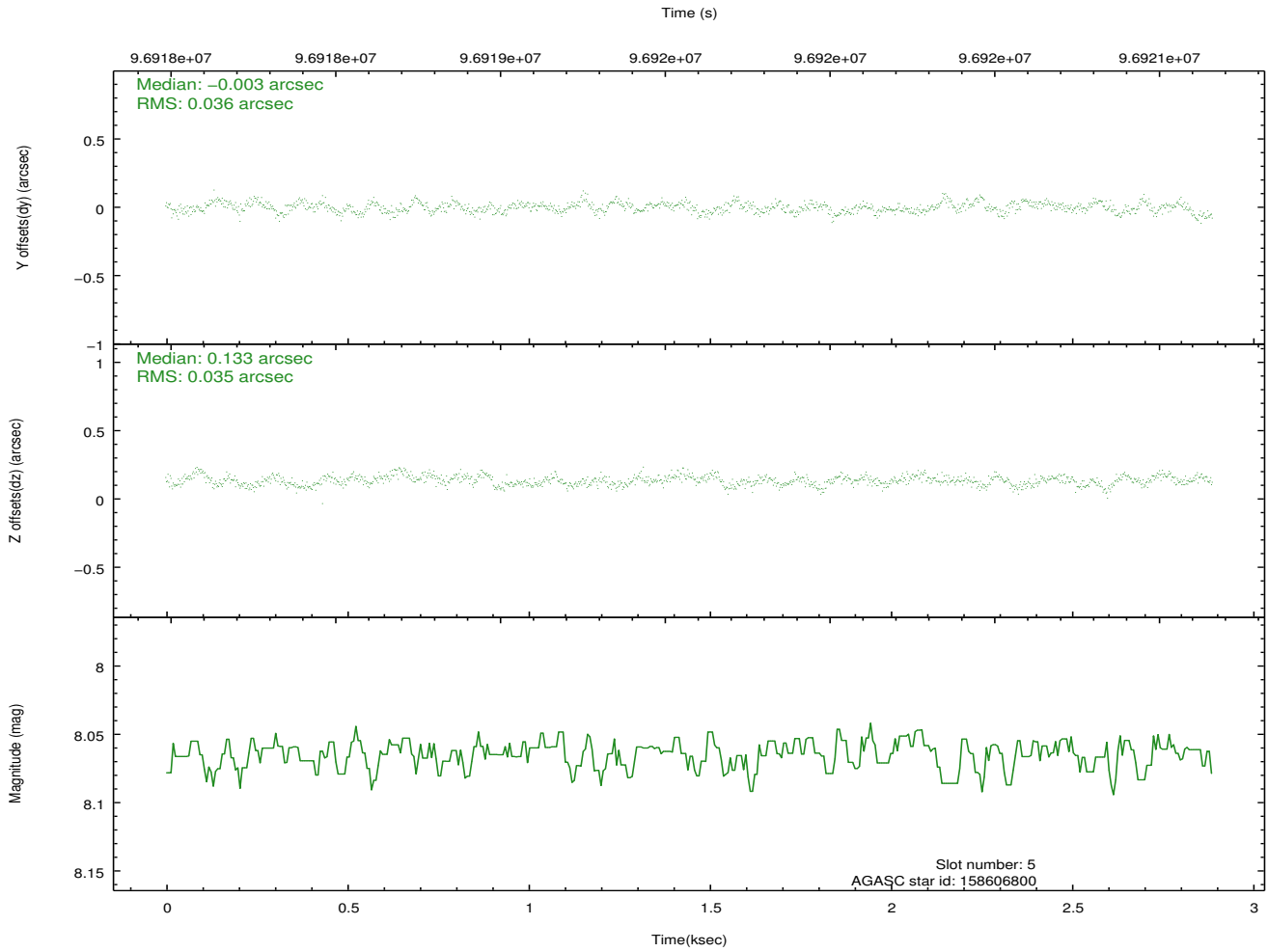
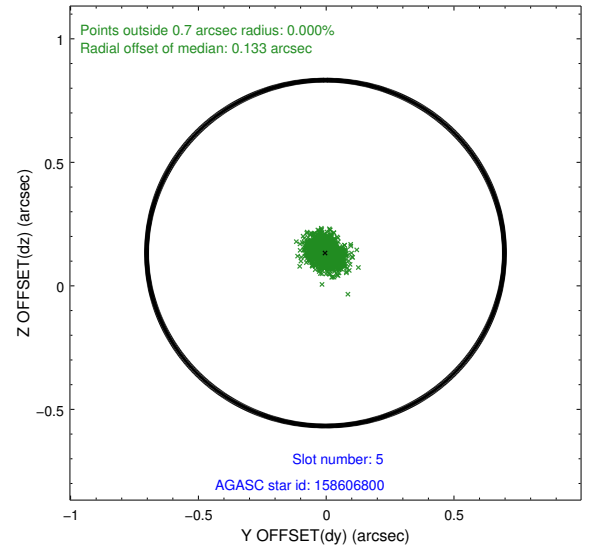
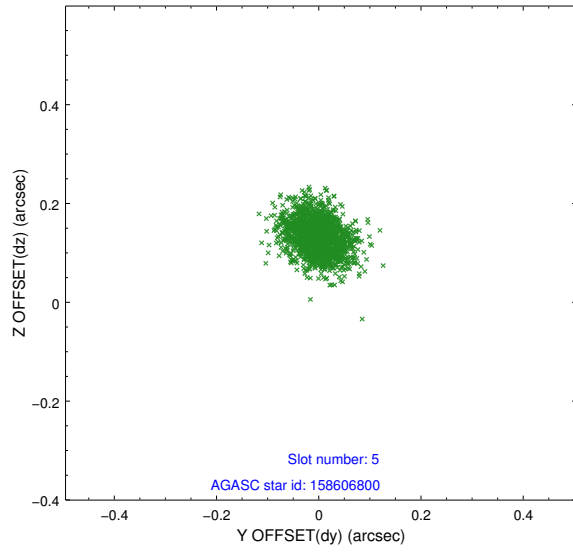
2.4.1 Slot 3



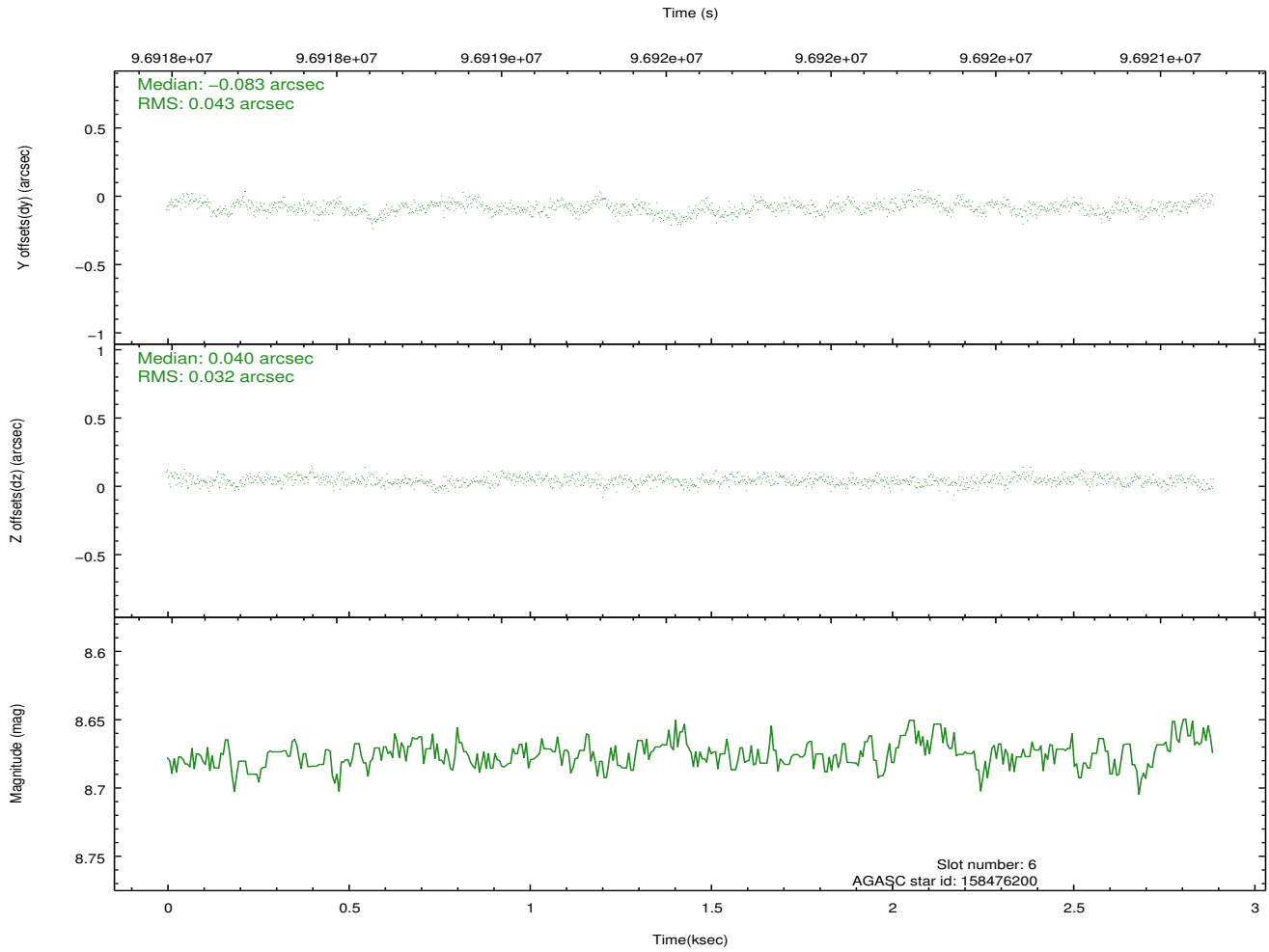
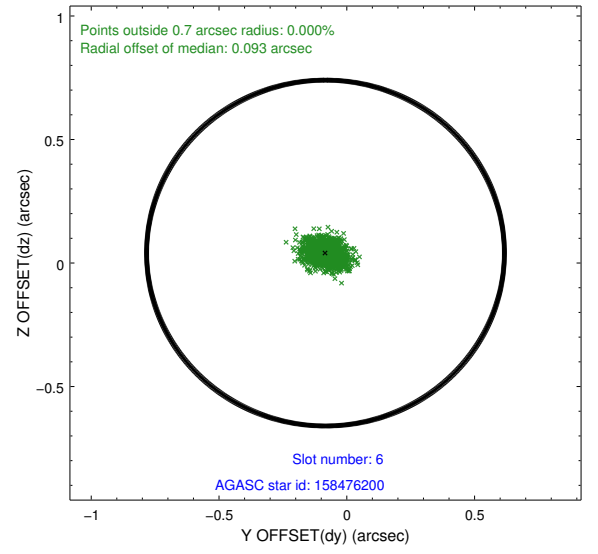
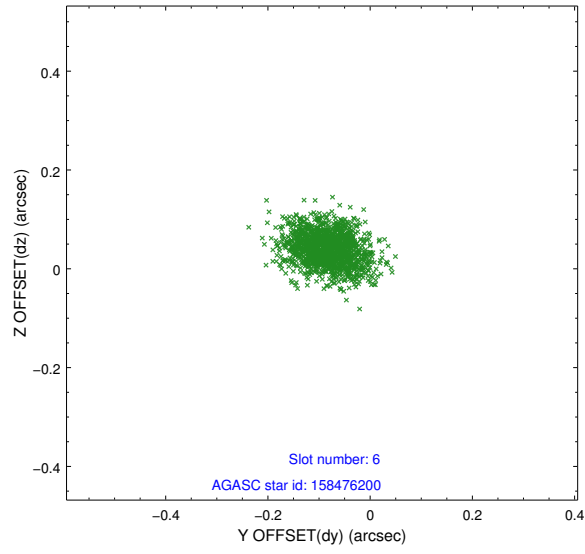
2.4.2 Slot 4



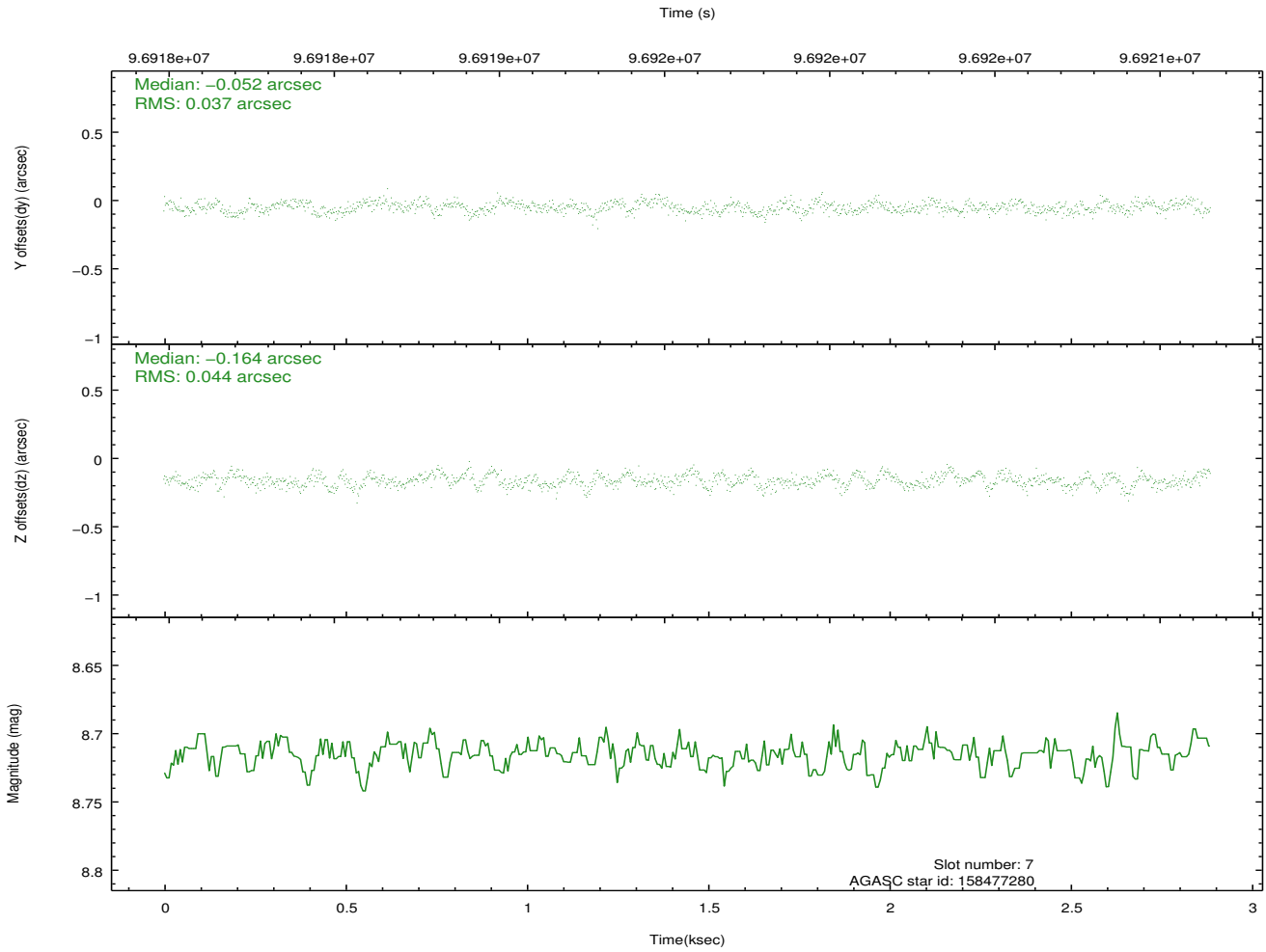
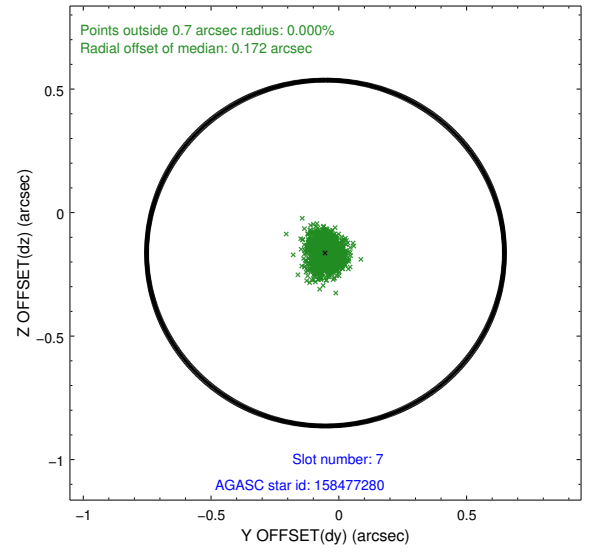
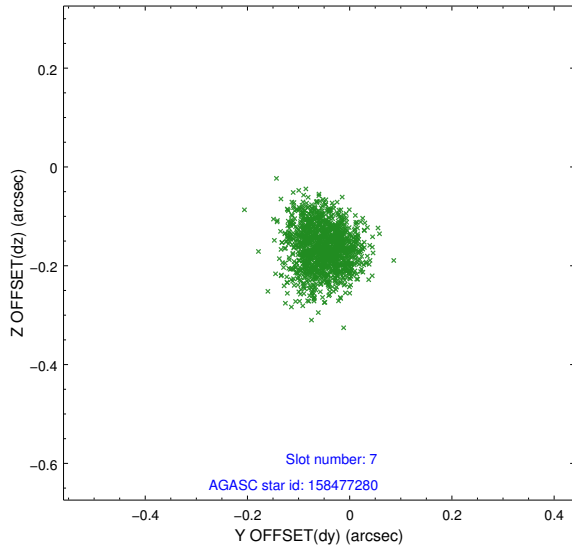
2.4.3 Slot 5



2.4.4 Slot 6

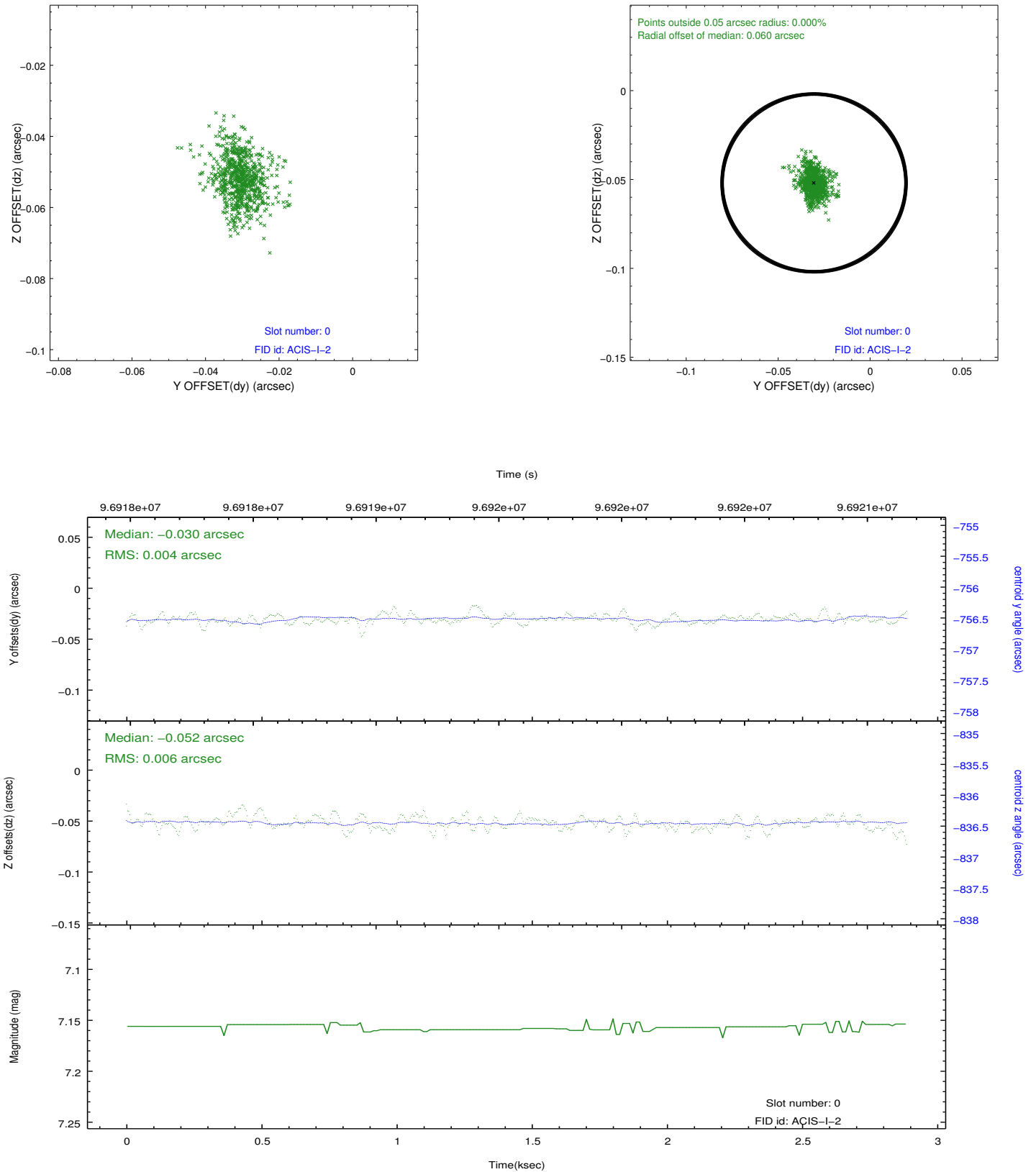


2.4.5 Slot 7

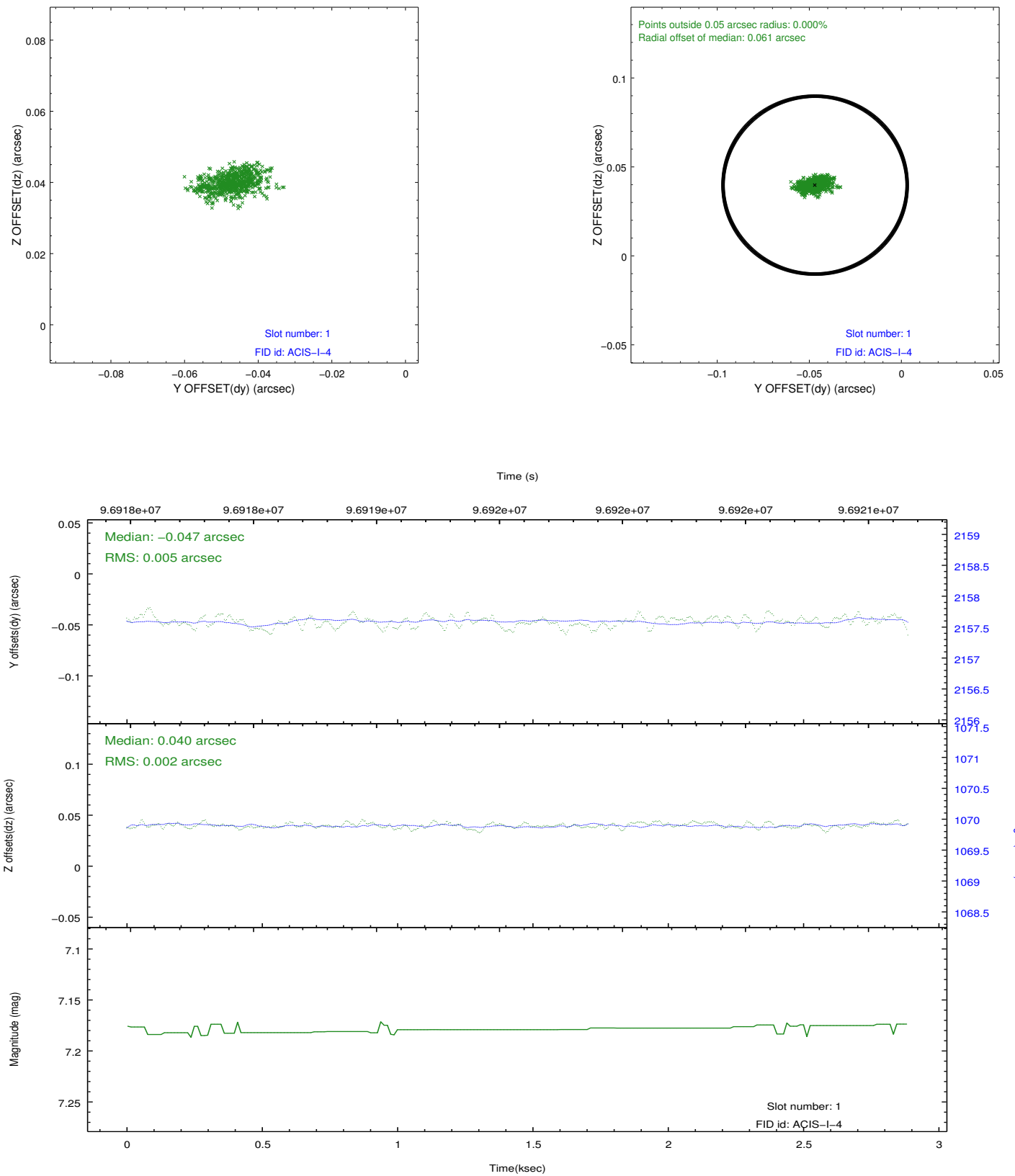


2.5 FID Slots

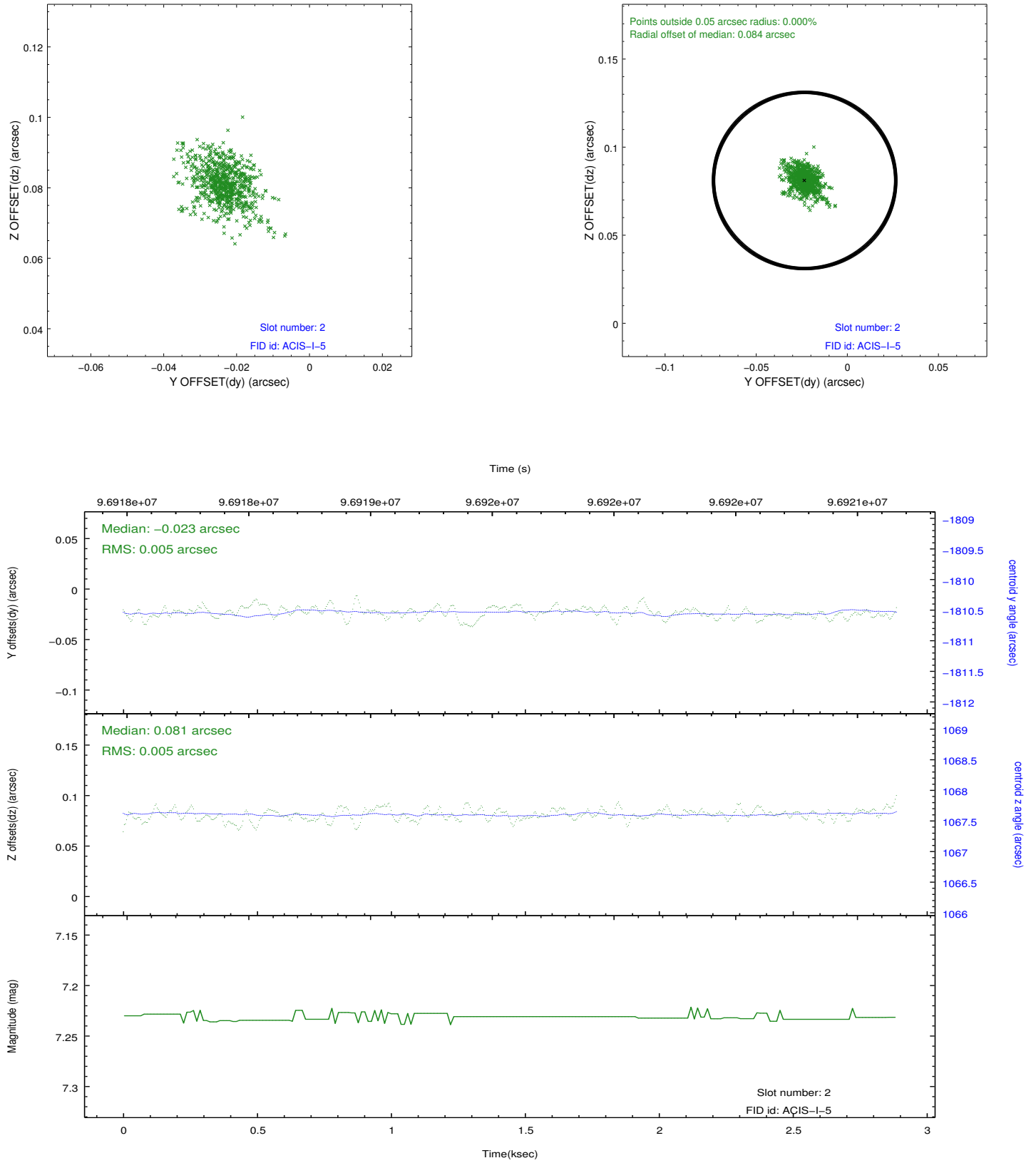
2.5.1 Slot 0



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	2.544

A.2 Comments