

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2146 - L2 Version 3
Chandra X-Ray Center

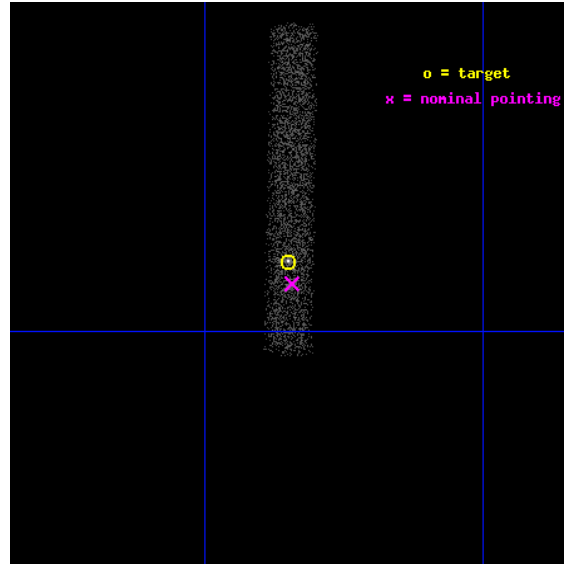
L2 Processing Date : Sep 2 2012

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1 Front

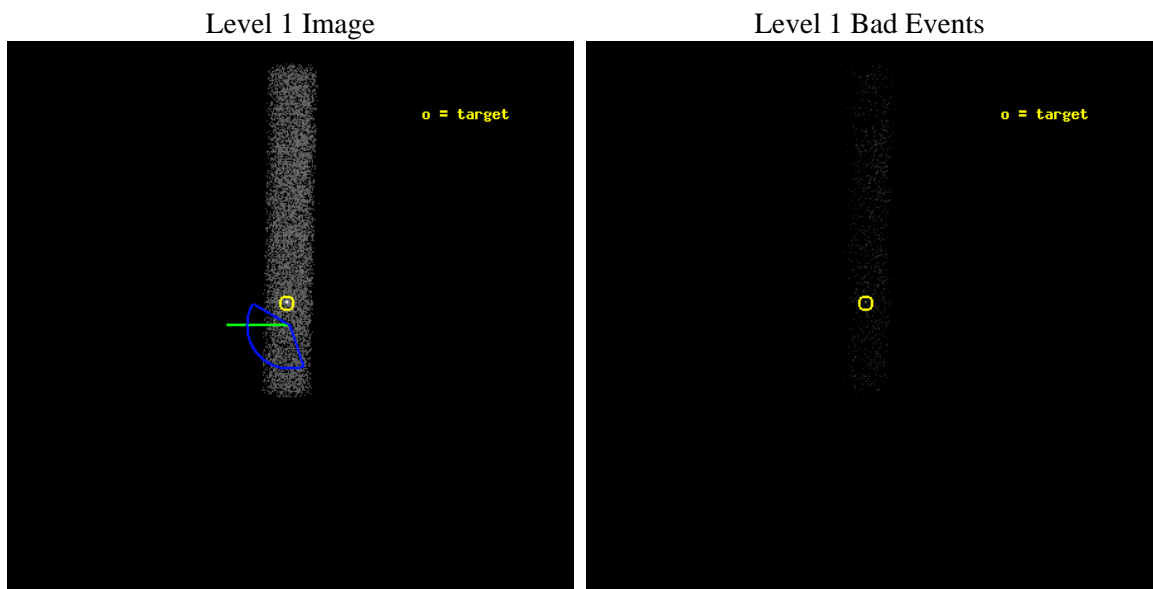
seq_num	700336	Sequence number
obs_id	2146	Observation id
title	AN UNBIASED SURVEY OF X-RAY AND OPTICAL EMISSION FROM EXTENDED RADIO JETS IN AGN	Proposal title
observer	Dr. Rita Sambruna	Principal investigator
object	2251+134	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	343.5875	Observer's specified target RA [deg]
dec_targ	13.696667	Observer's specified target Dec [deg]
ra_nom	343.58586937866	Nominal RA [deg]
dec_nom	13.686938974636	Nominal Dec [deg]
roll_nom	271.14458973335	Nominal Roll [deg]
revision	3	Processing version of data
ontime	10128.000150919	Sum of GTIs [s]
livetime	9185.5615372021	Livetime [s]
ontime7	10128.000150919	Sum of GTIs [s]
l2events	6646	Number of level 2 events



2 OBI

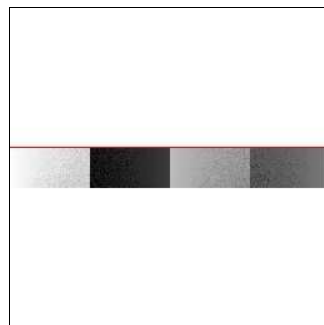
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10128.000150919	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime7	10128.000150919	Sum of GTIs [s]
date	2012-09-02T09:57:05	Date and time of file creation	l1events	13855	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

	ccd 7
level 1 events	13855
rejected events	6998
rejected %	50%

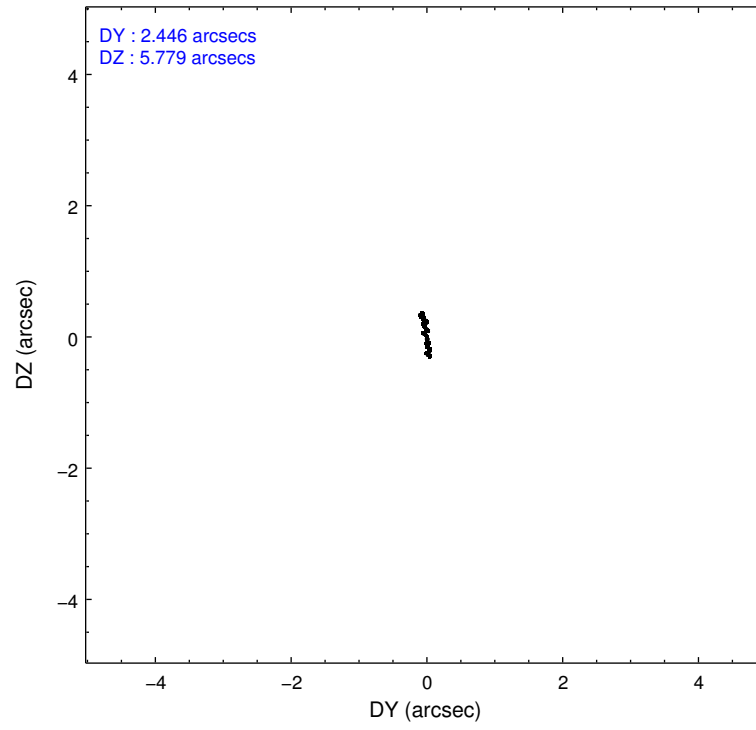
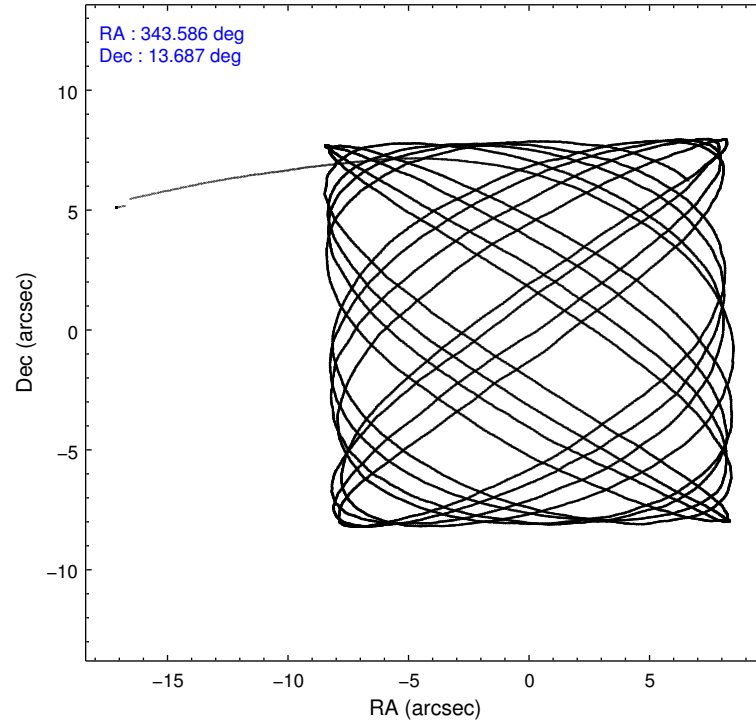
	ccd 7
grade 0 events	1193
	8%
grade 1 events	9
	0%
grade 2 events	1473
	10%
grade 3 events	961
	6%
grade 4 events	971
	7%
grade 5 events	1201
	8%
grade 6 events	2676
	19%
grade 7 events	5371
	38%

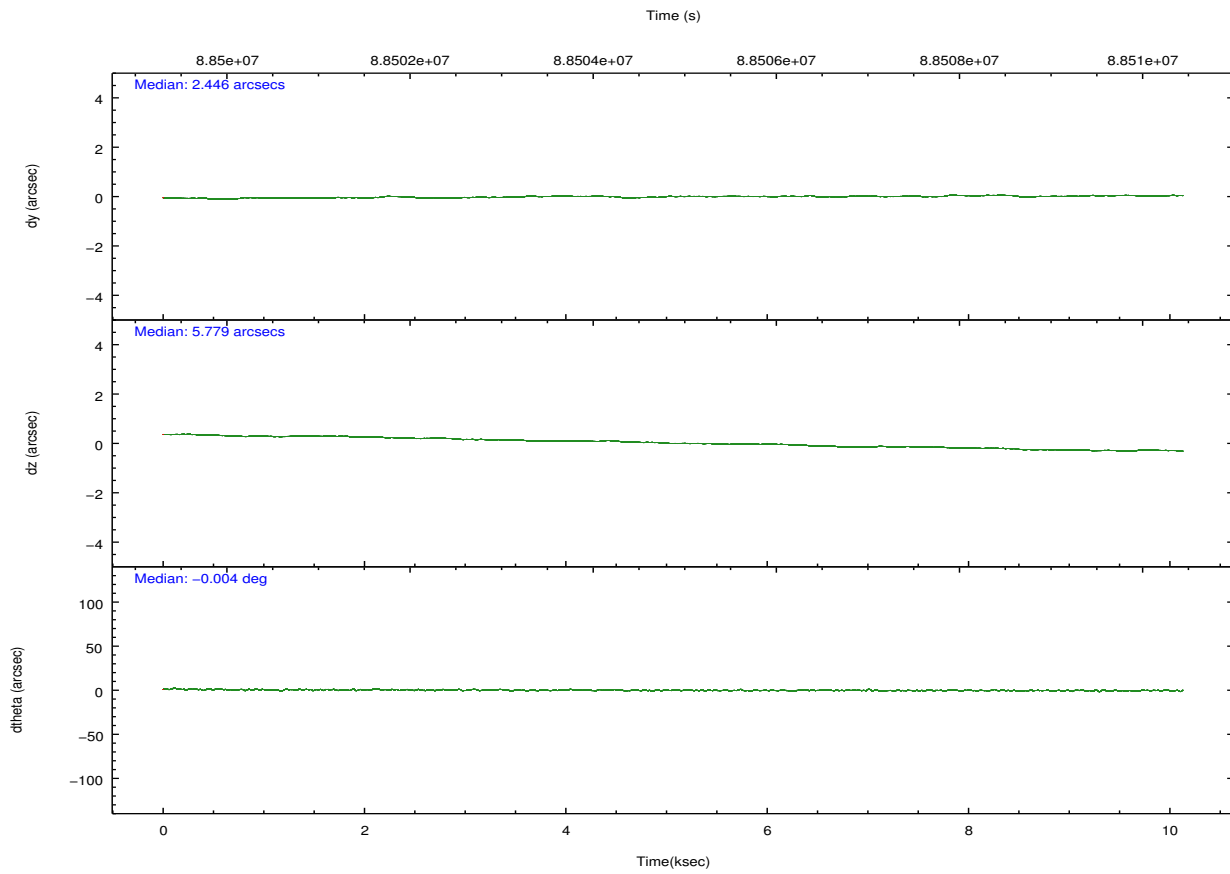
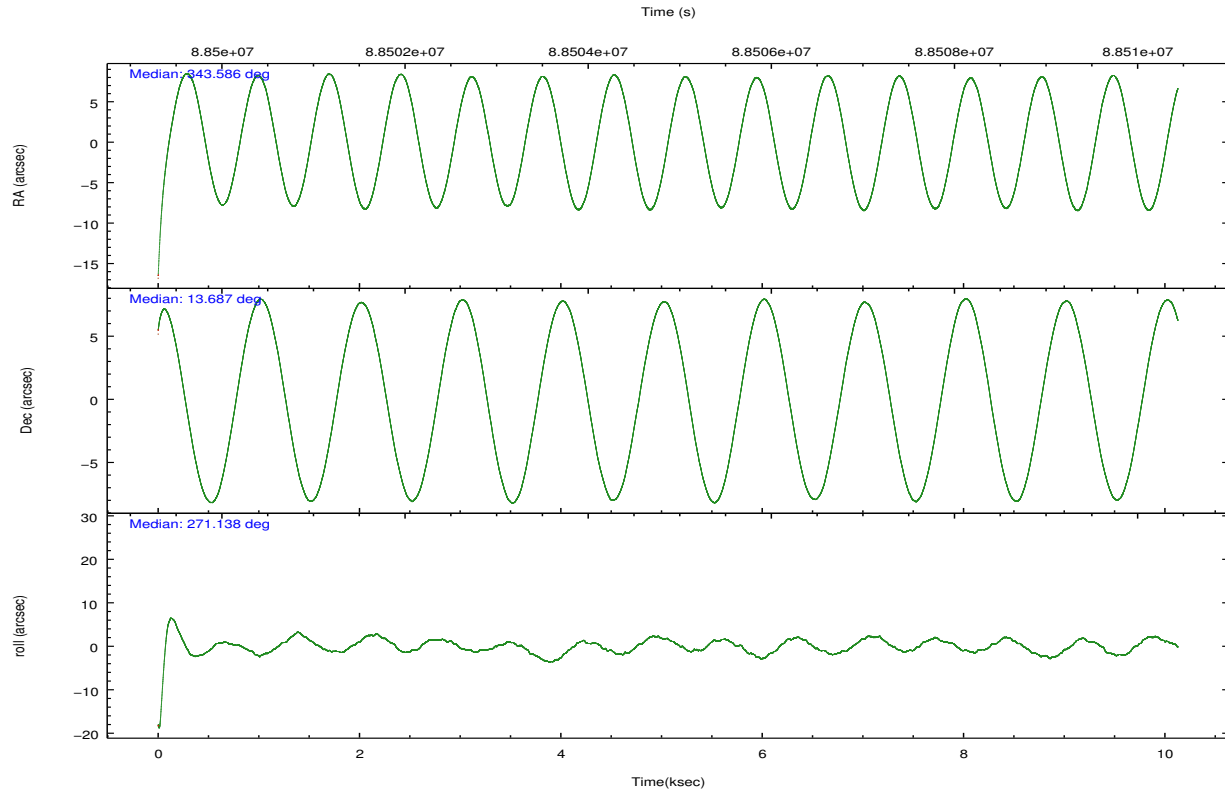
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-7	ACIS-7
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	343.571131	343.5858693786589
[deg] Pointing Dec	13.710229	13.68693897463642
[deg] Pointing Roll	270.991481	271.1445897333546
[deg] Roll angle	230.000000	230.000000
[deg] Roll tolerance	69.000000	69.000000
Roll constraint allows 180D rotation	N	N
[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)	88499938.184000	88498819.765285
Observation start date	2000-10-21T07:17:54	2000-10-21T07:00:19
[s] Observation end time (MET)	88509938.184000	88510442.753224
Observation end date	2000-10-21T10:04:34	2000-10-21T10:14:02
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	1/8
Subarray start row	449	449
Subarray row count	128	128
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	0.4

2.3 Aspect



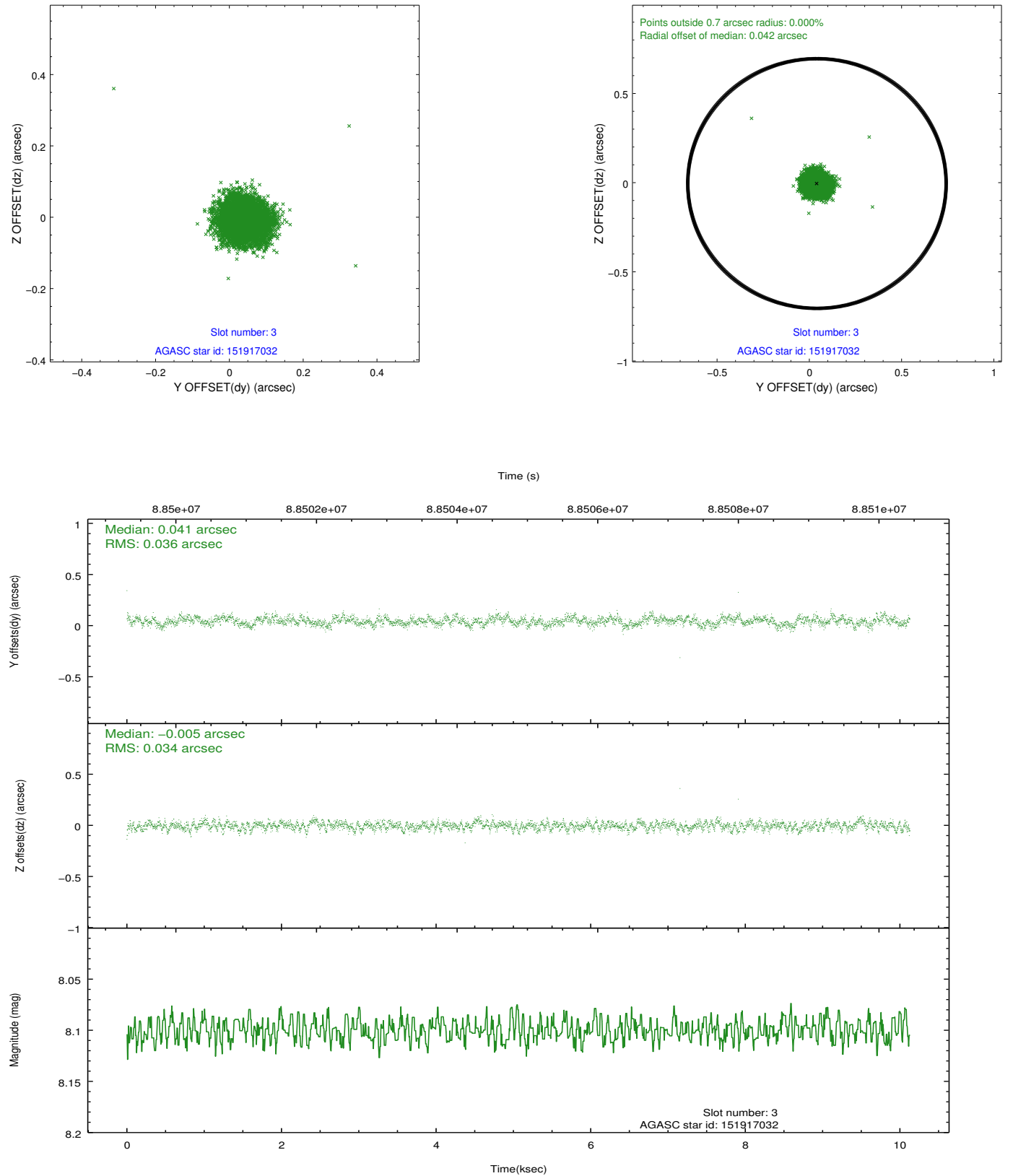


Slot Statistics

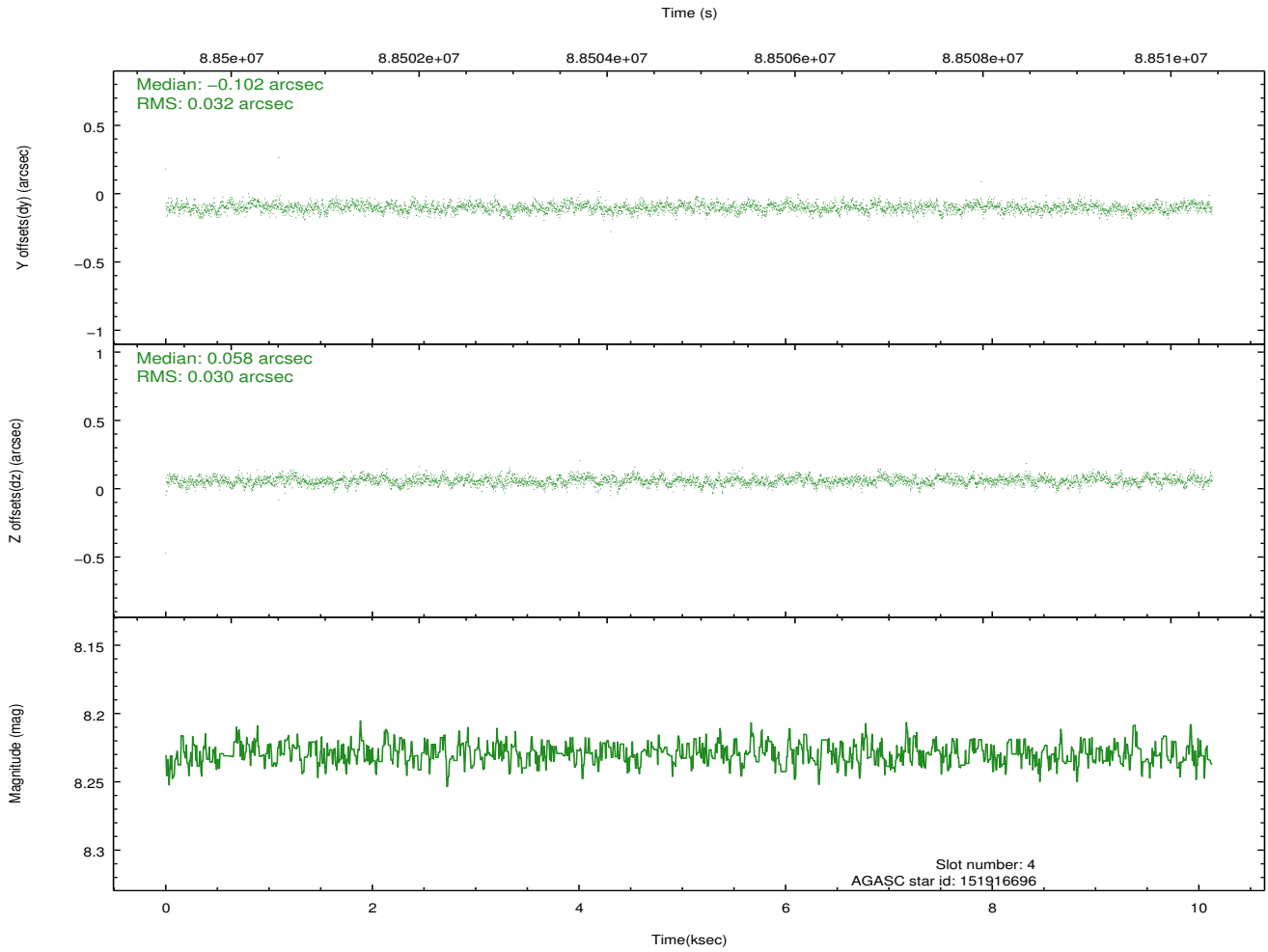
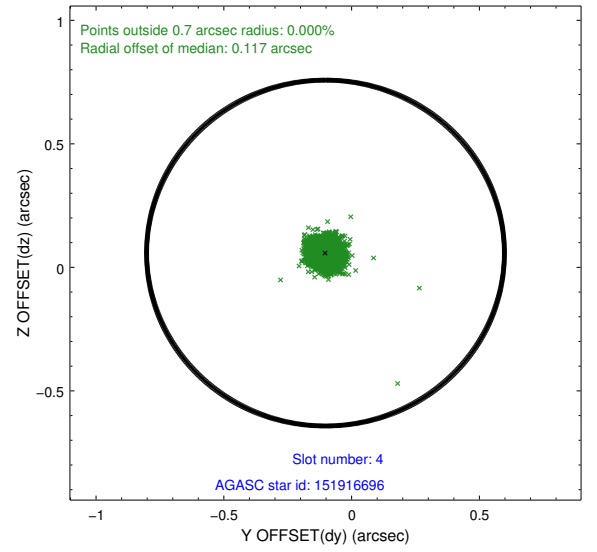
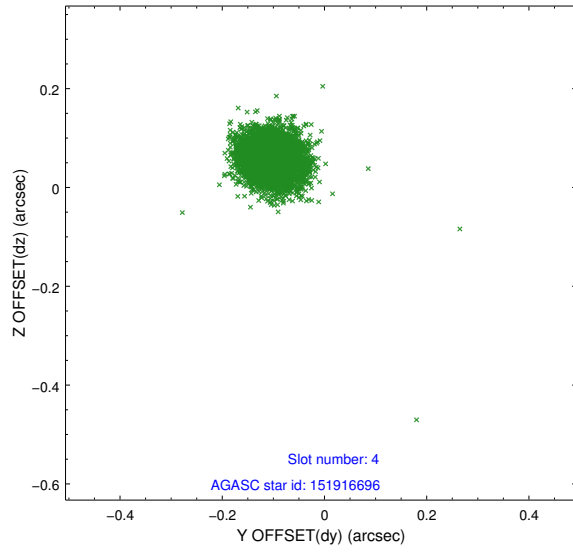
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-3	7.36	2471	-0.057	-0.053	0.017	0.026	0.000000	0.000000	58.07	-1856.00
1	FID	ACIS-S-5	7.24	2471	0.044	-0.032	0.008	0.012	0.000000	0.000000	-1808.04	174.49
2	FID	ACIS-S-6	7.35	2471	-0.010	0.095	0.013	0.020	0.000000	0.000000	405.98	819.14
3	GUIDE	151917032	8.10	4942	0.041	-0.005	0.052	0.083	343.534935	13.663022	168.10	-129.80
4	GUIDE	151916696	8.23	4941	-0.102	0.058	0.045	0.074	343.536899	14.352778	-2314.64	-79.85
5	GUIDE	151924024	8.89	4942	-0.001	0.045	0.091	0.136	344.070968	13.407063	1119.40	1731.17
6	GUIDE	151914440	8.91	4938	-0.032	-0.004	0.073	0.127	344.048046	13.906062	-677.30	1678.55
7	GUIDE	151922608	9.47	4939	0.096	-0.096	0.087	0.141	343.093682	13.288006	1489.72	-1698.72

2.4 Star Slots

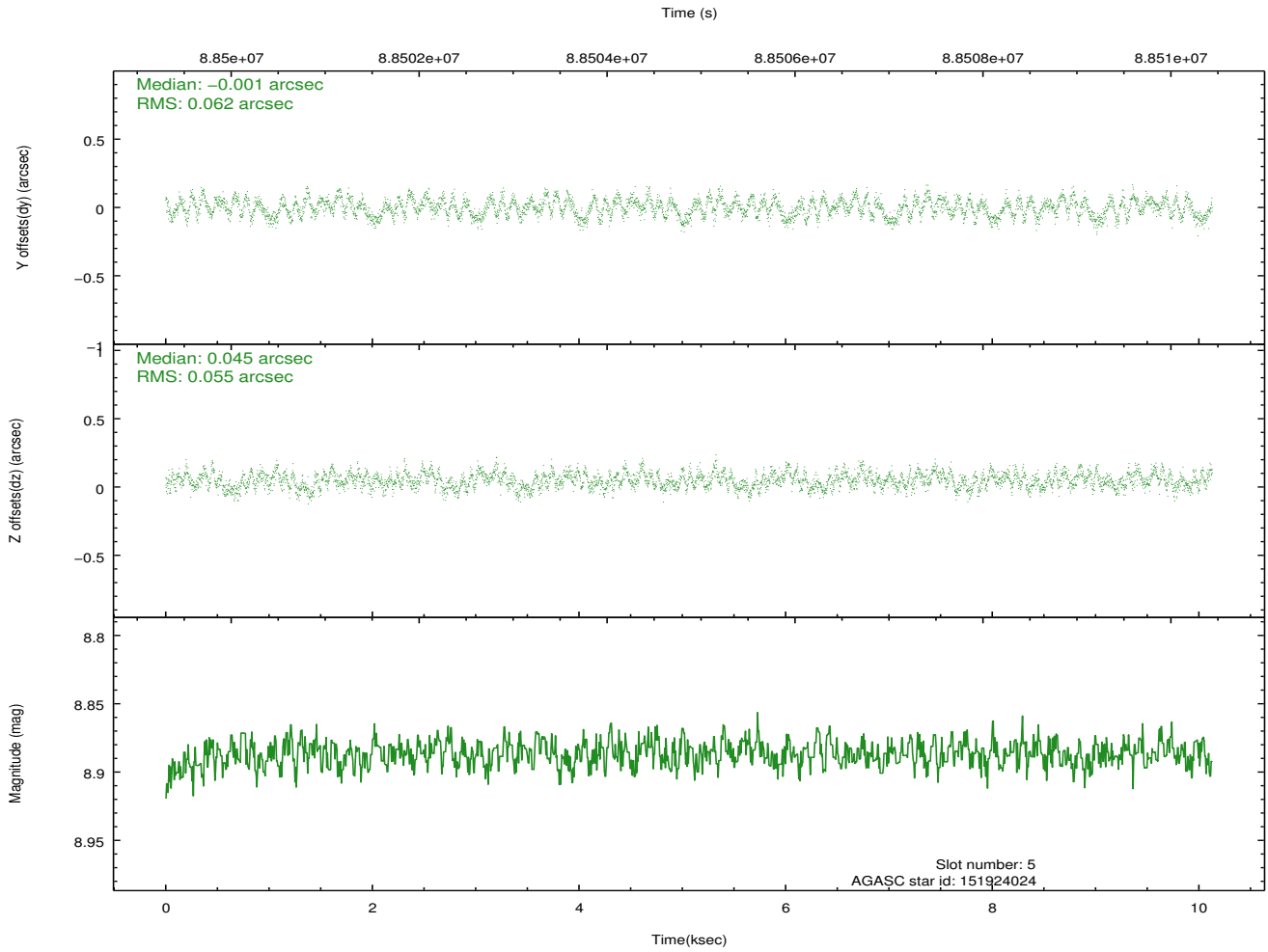
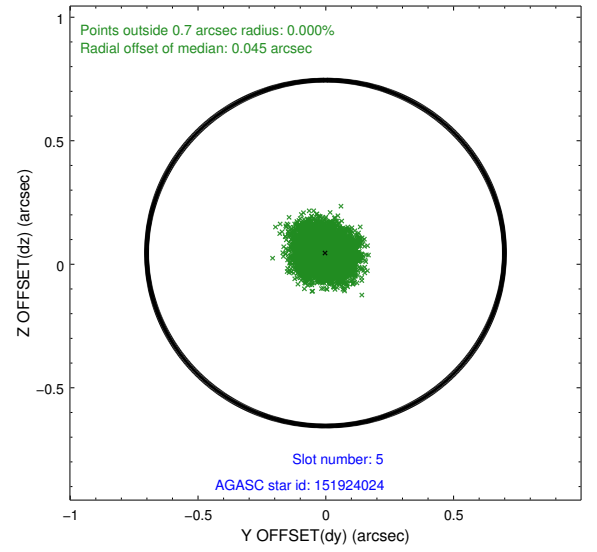
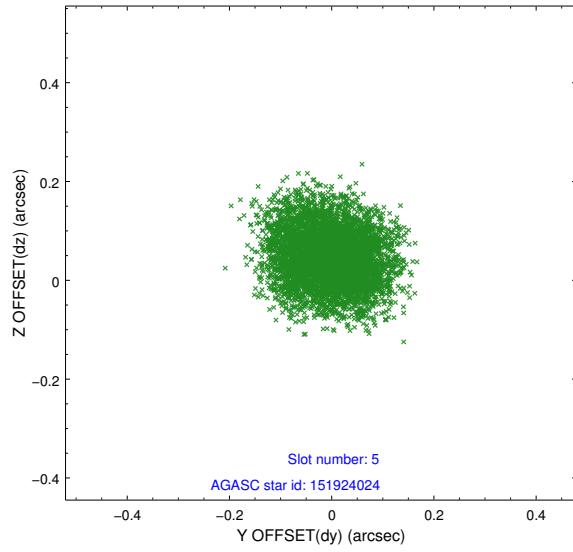
2.4.1 Slot 3



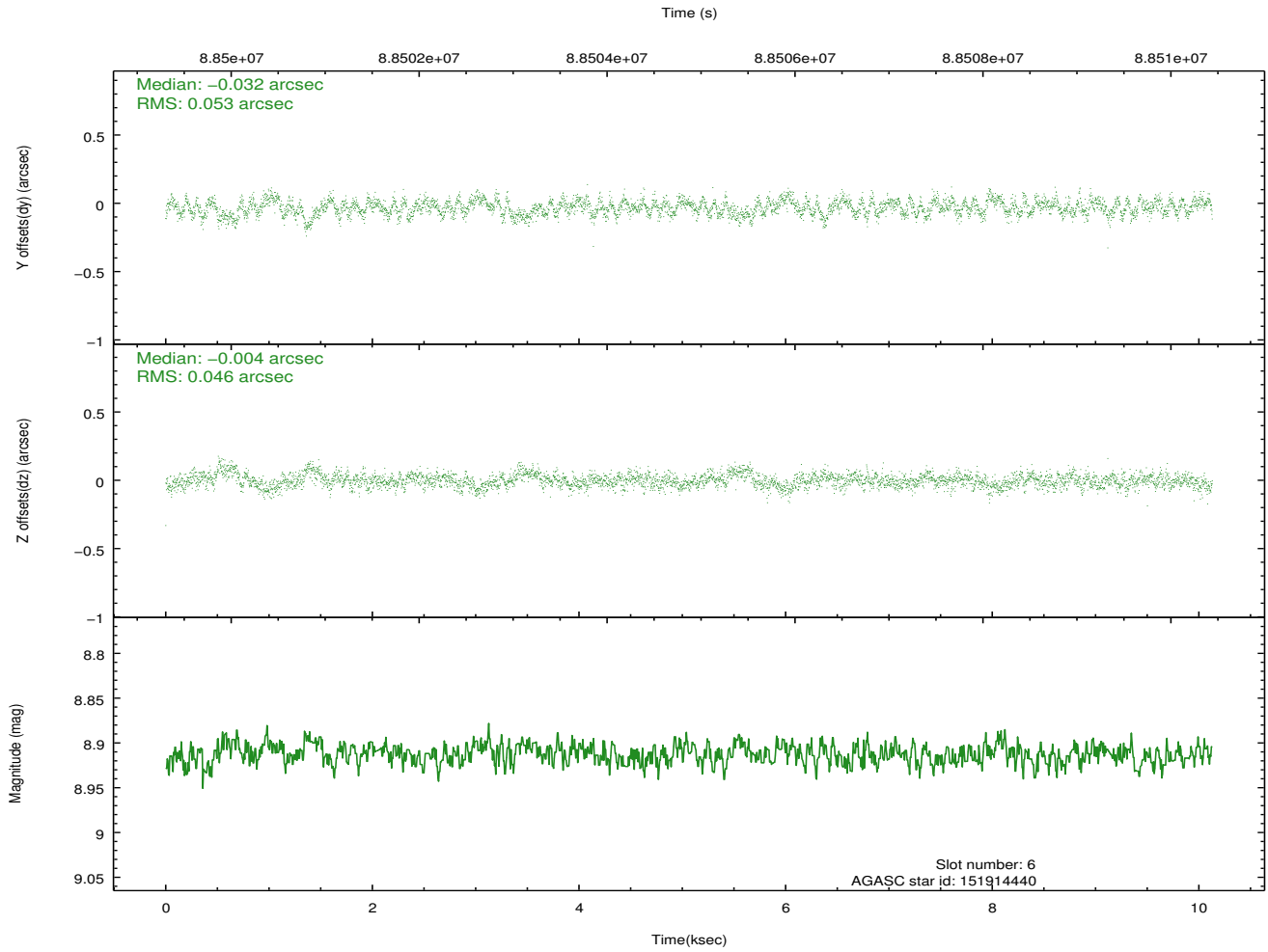
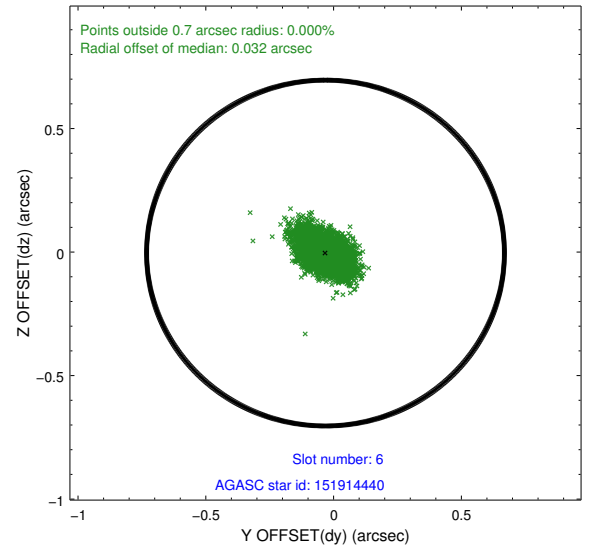
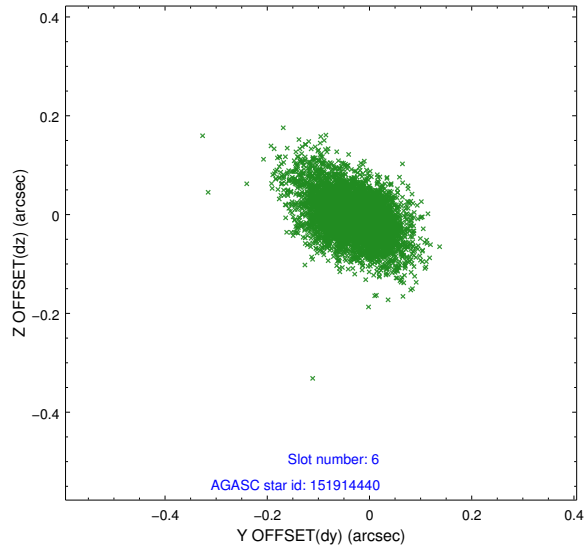
2.4.2 Slot 4



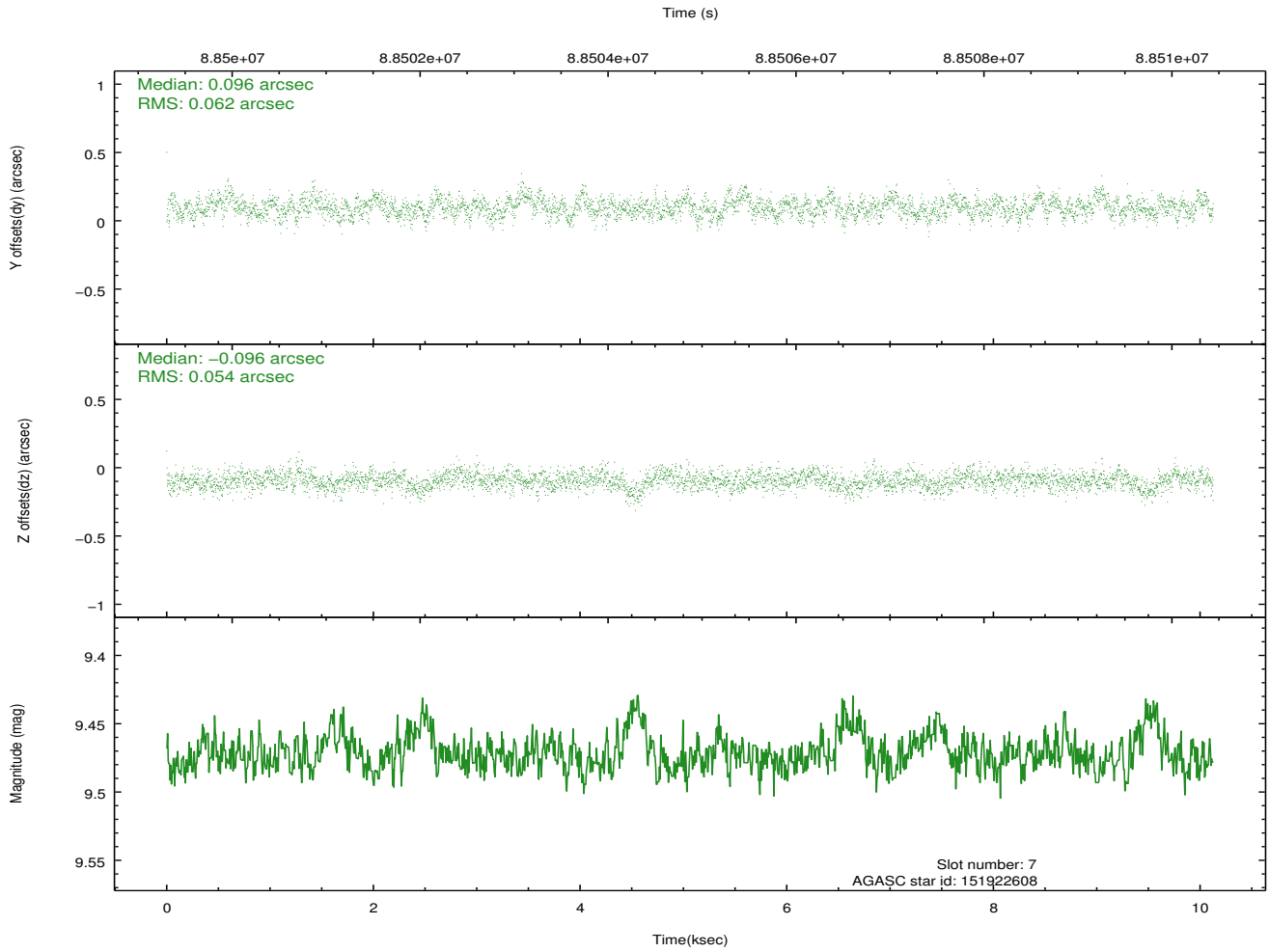
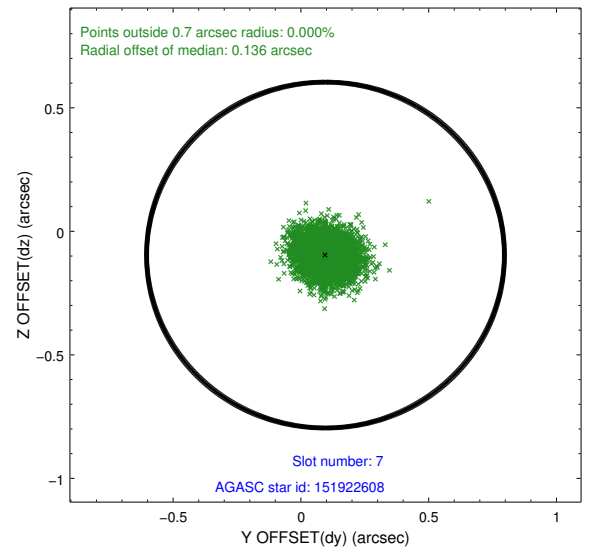
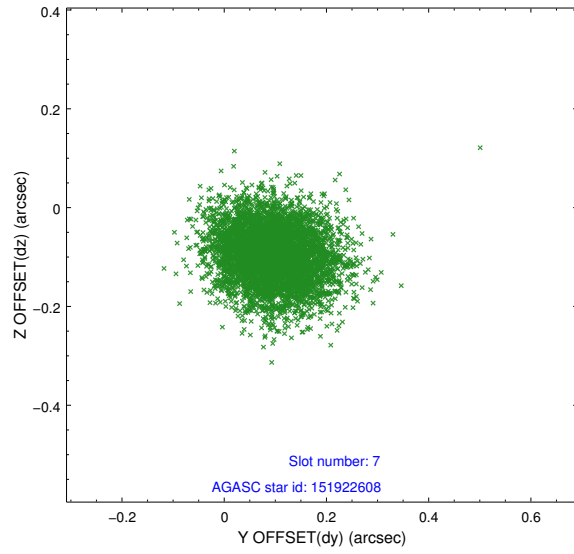
2.4.3 Slot 5



2.4.4 Slot 6

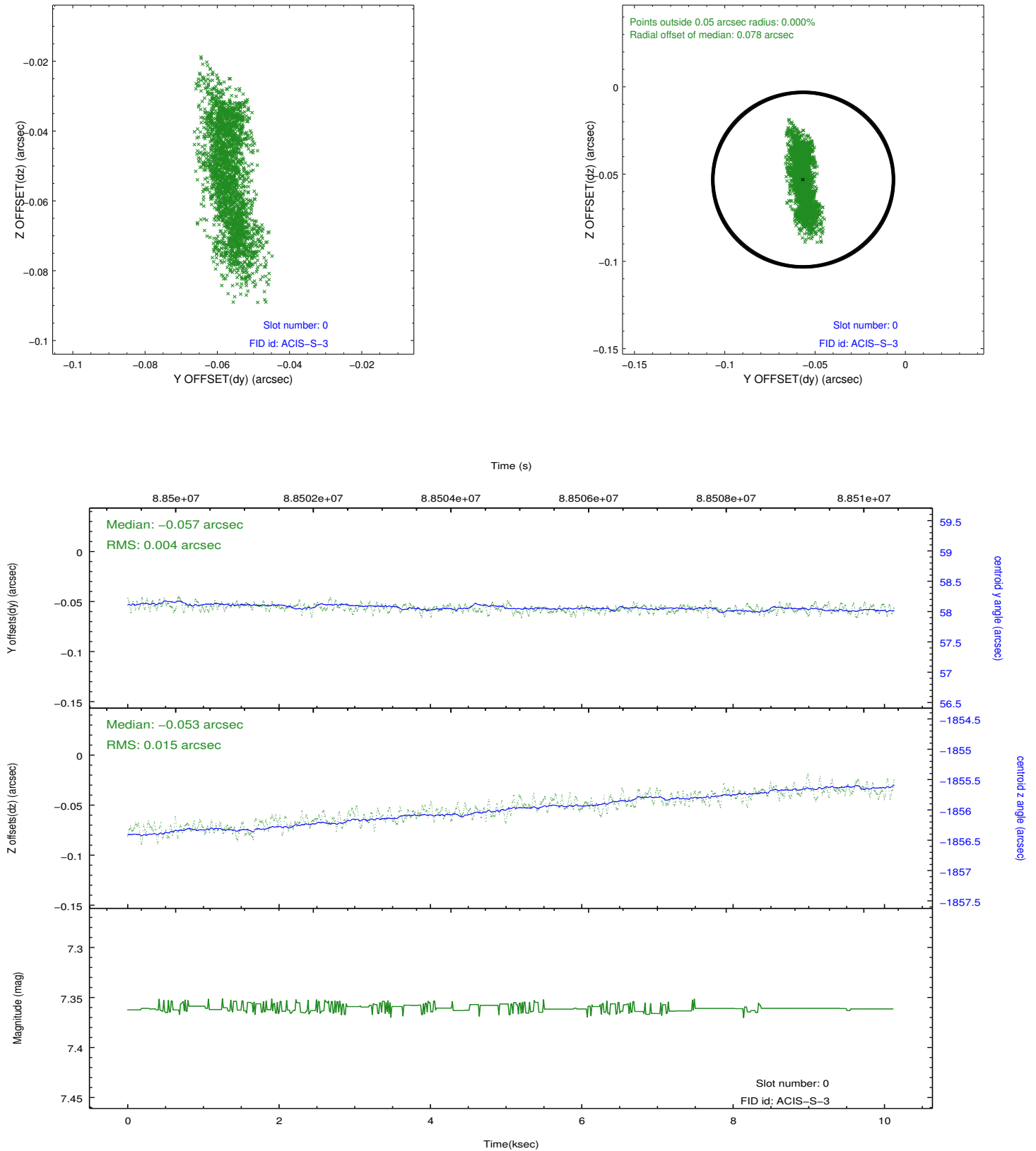


2.4.5 Slot 7

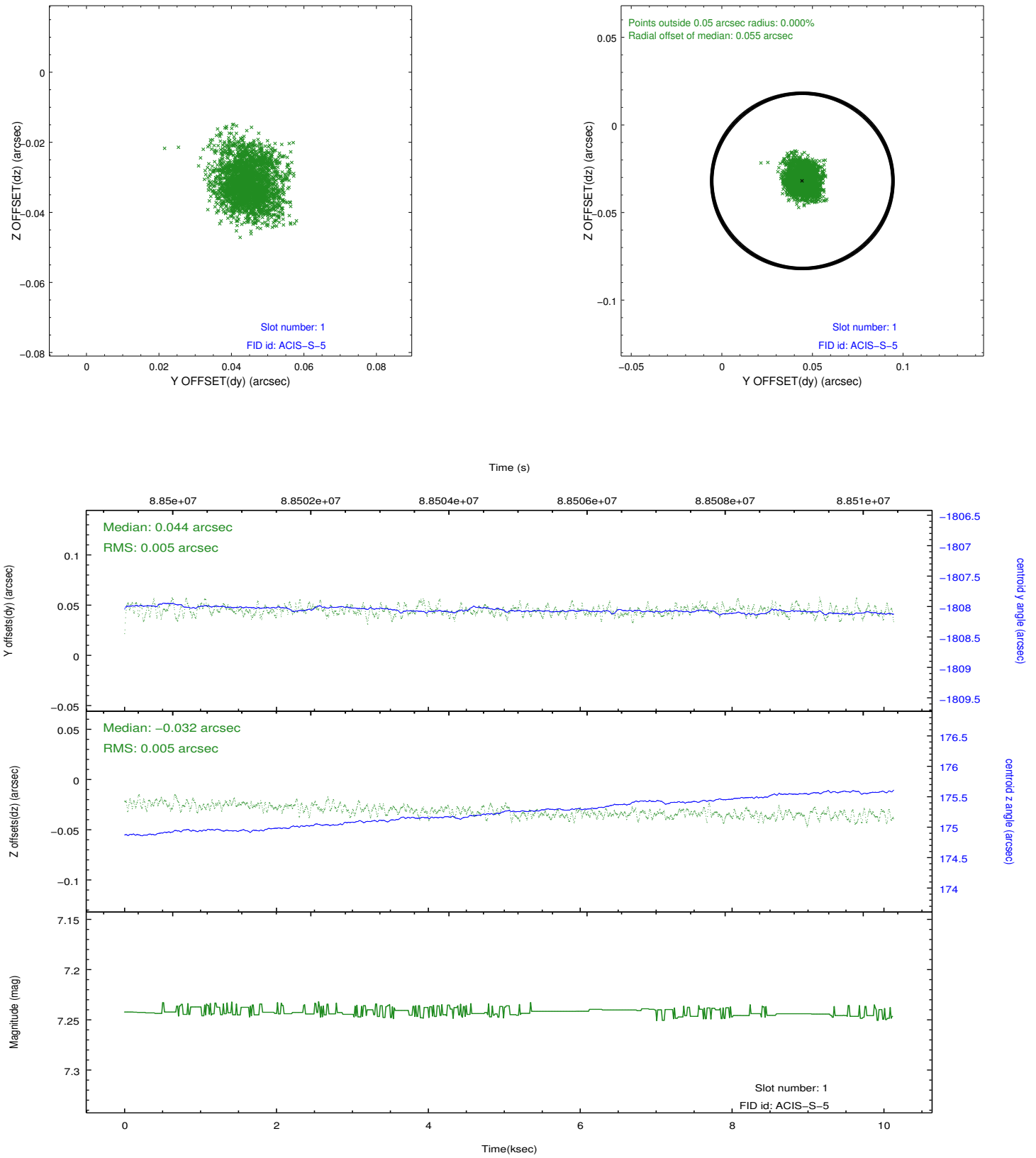


2.5 FID Slots

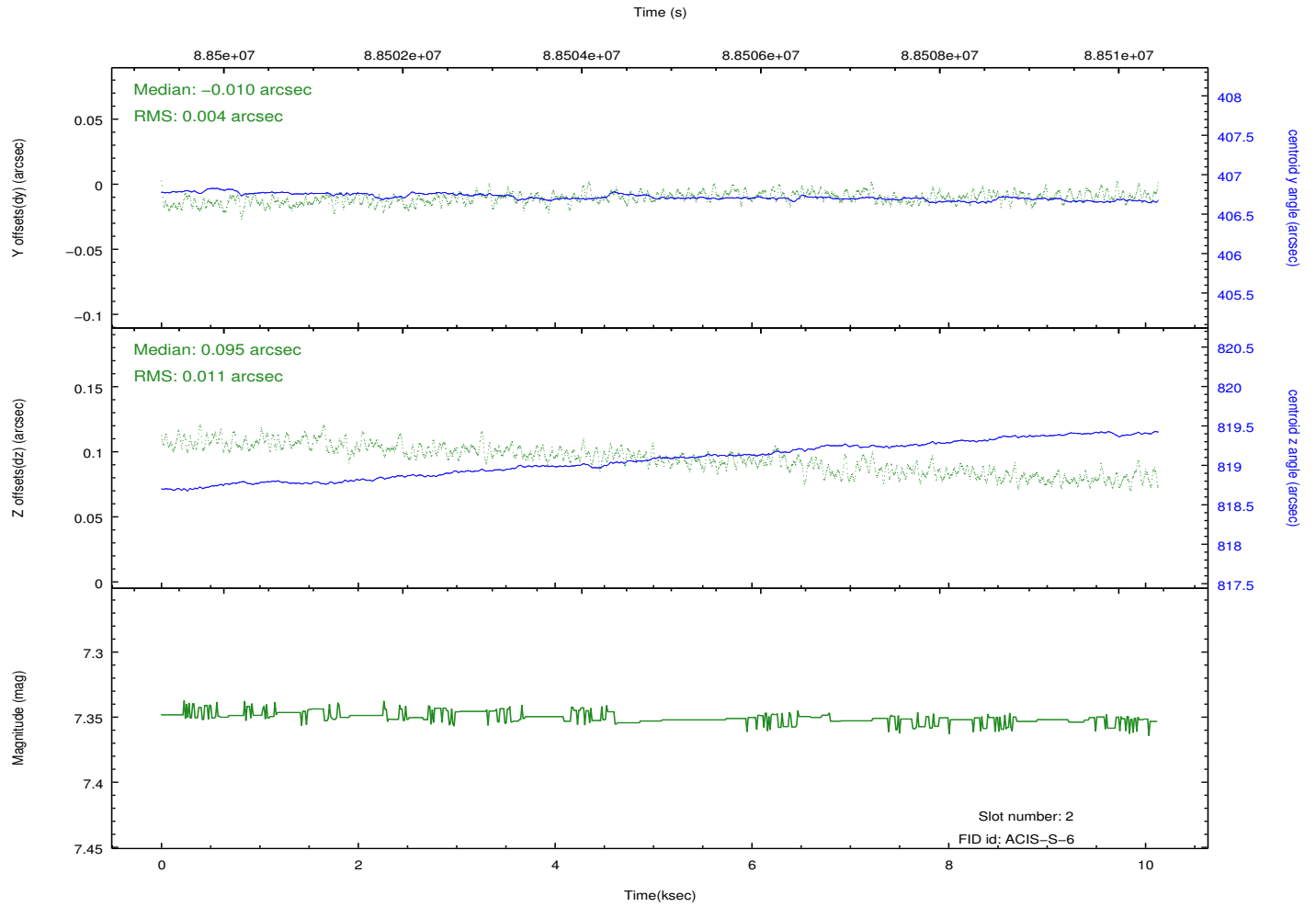
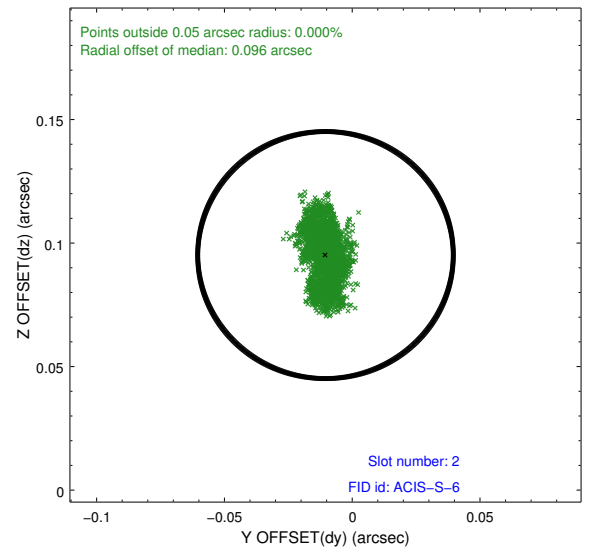
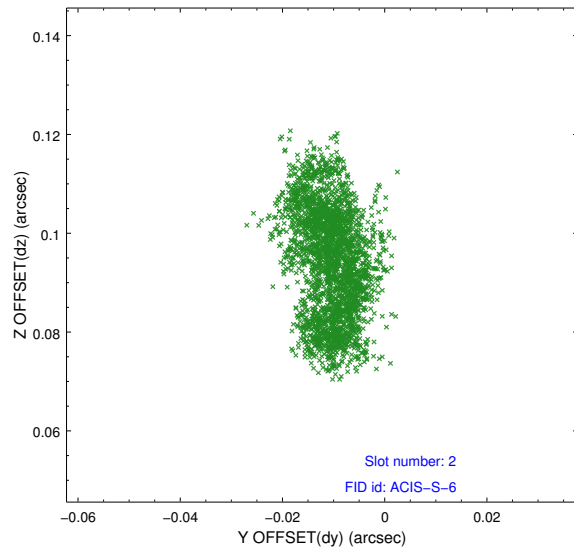
2.5.1 Slot 0



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)	2012.09.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.128

A.2 Comments

Roll constraint met.