

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4902 - L2 Version 3
Chandra X-Ray Center

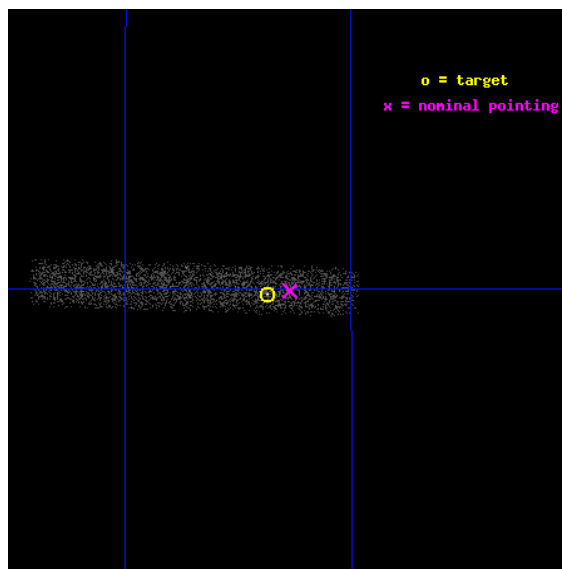
L2 Processing Date : Nov 10 2012

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

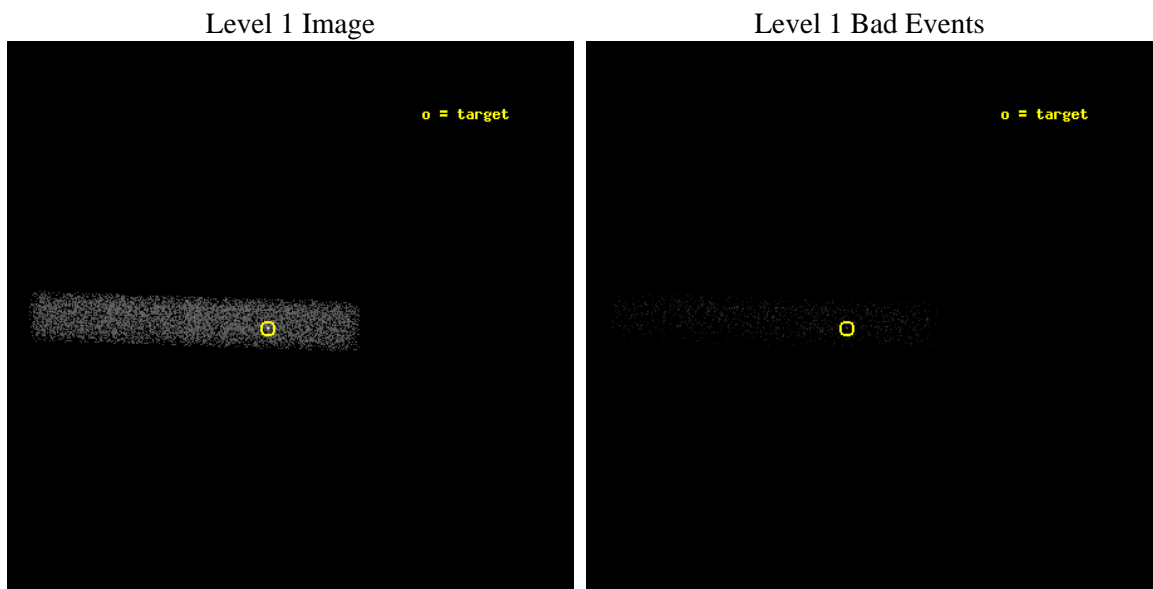
seq_num	700983	Sequence number
obs_id	4902	Observation id
title	The X-ray Spectra of Red Quasars	Proposal title
observer	Dr Mark Lacy	Principal investigator
object	FTM 0830+3759	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	127.54625	Observer's specified target RA [deg]
dec_targ	37.99775	Observer's specified target Dec [deg]
ra_nom	127.53406140409	Nominal RA [deg]
dec_nom	37.999134870521	Nominal Dec [deg]
roll_nom	181.86770976007	Nominal Roll [deg]
revision	3	Processing version of data
ontime	10146.800151169	Sum of GTIs [s]
livetime	9202.6121450837	Livetime [s]
ontime7	10146.800151169	Sum of GTIs [s]
l2events	5555	Number of level 2 events



2 OBI

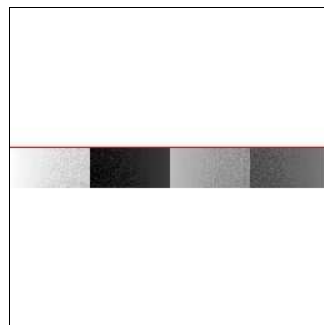
2.1 OBI

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	10146.800151169	Sum of GTIs [s]
caldsver	4.5.2	 	ontime7	10146.800151169	Sum of GTIs [s]
date	2012-11-10T22:14:46	Date and time of file creation	l1events	12294	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

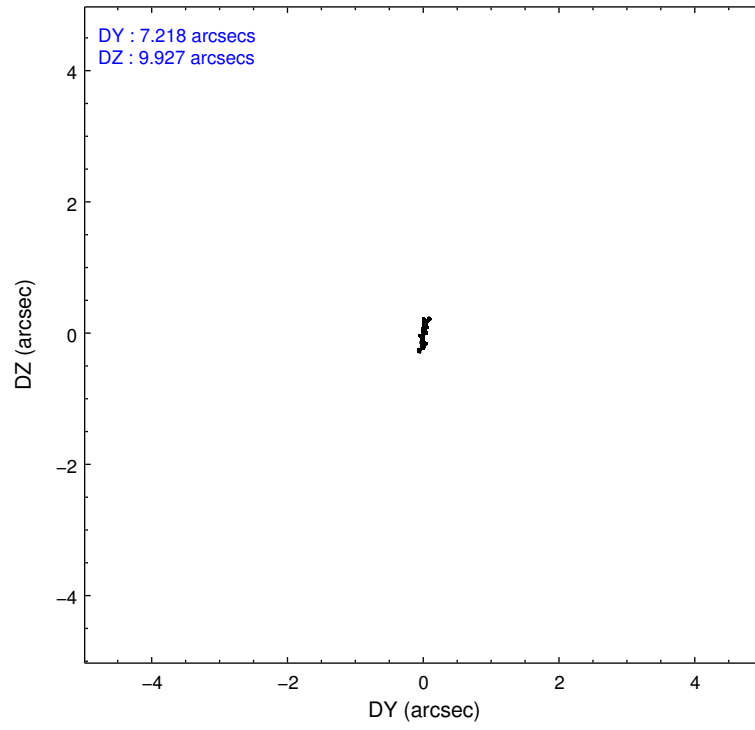
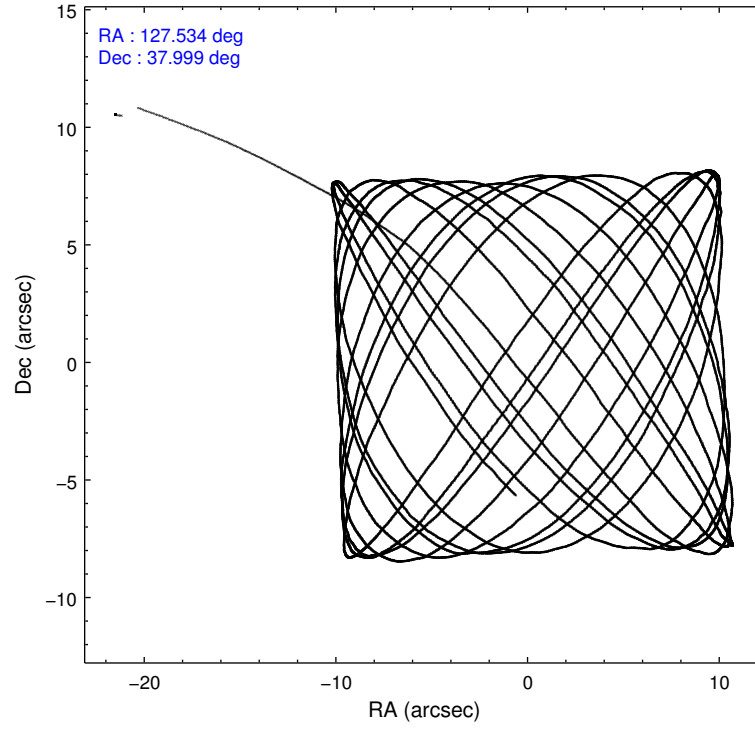
	ccd 7
level 1 events	12294
rejected events	6535
rejected %	53%

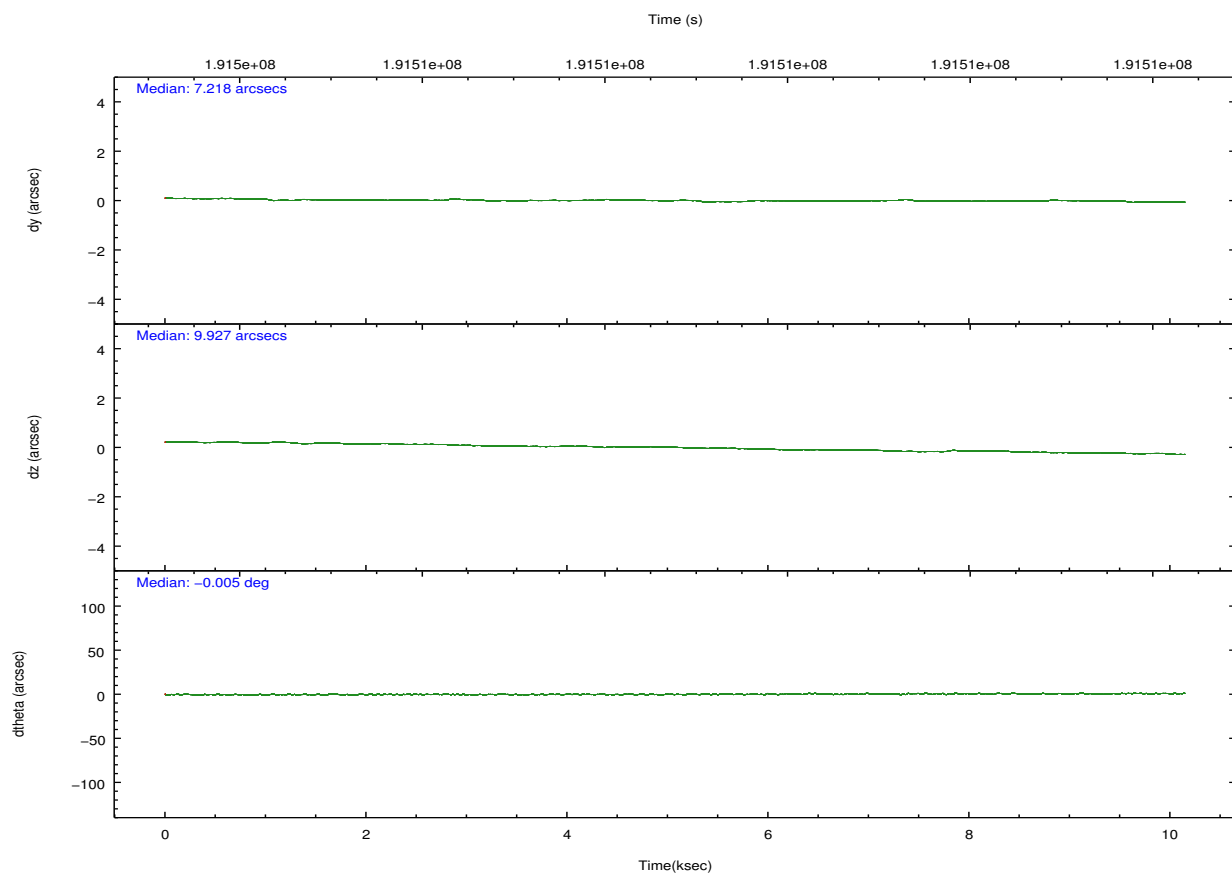
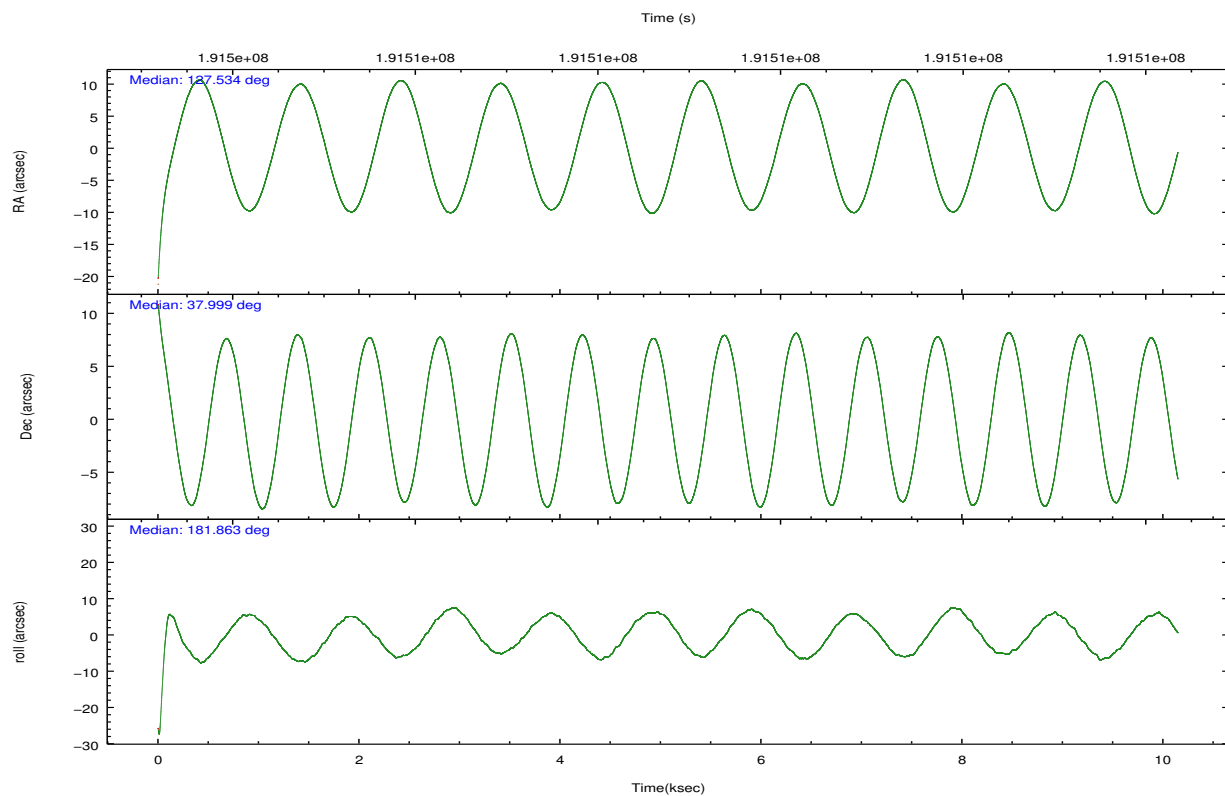
	ccd 7
grade 0 events	840
	6%
grade 1 events	13
	0%
grade 2 events	1221
	9%
grade 3 events	799
	6%
grade 4 events	775
	6%
grade 5 events	1081
	8%
grade 6 events	2560
	20%
grade 7 events	5005
	40%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	127.563213	127.534061404087	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	38.013814	37.99913487052149	Subarray start row	449	449
[deg] Pointing Roll	181.693184	181.8677097600691	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	191503846.184000	191502754.45633			
Observation start date	2004-01-26T11:29:42	2004-01-26T11:12:34			
[s] Observation end time (MET)	191513846.184000	191514698.26935			
Observation end date	2004-01-26T14:16:22	2004-01-26T14:31:38			
Read mode	TIMED	TIMED			

2.3 Aspect



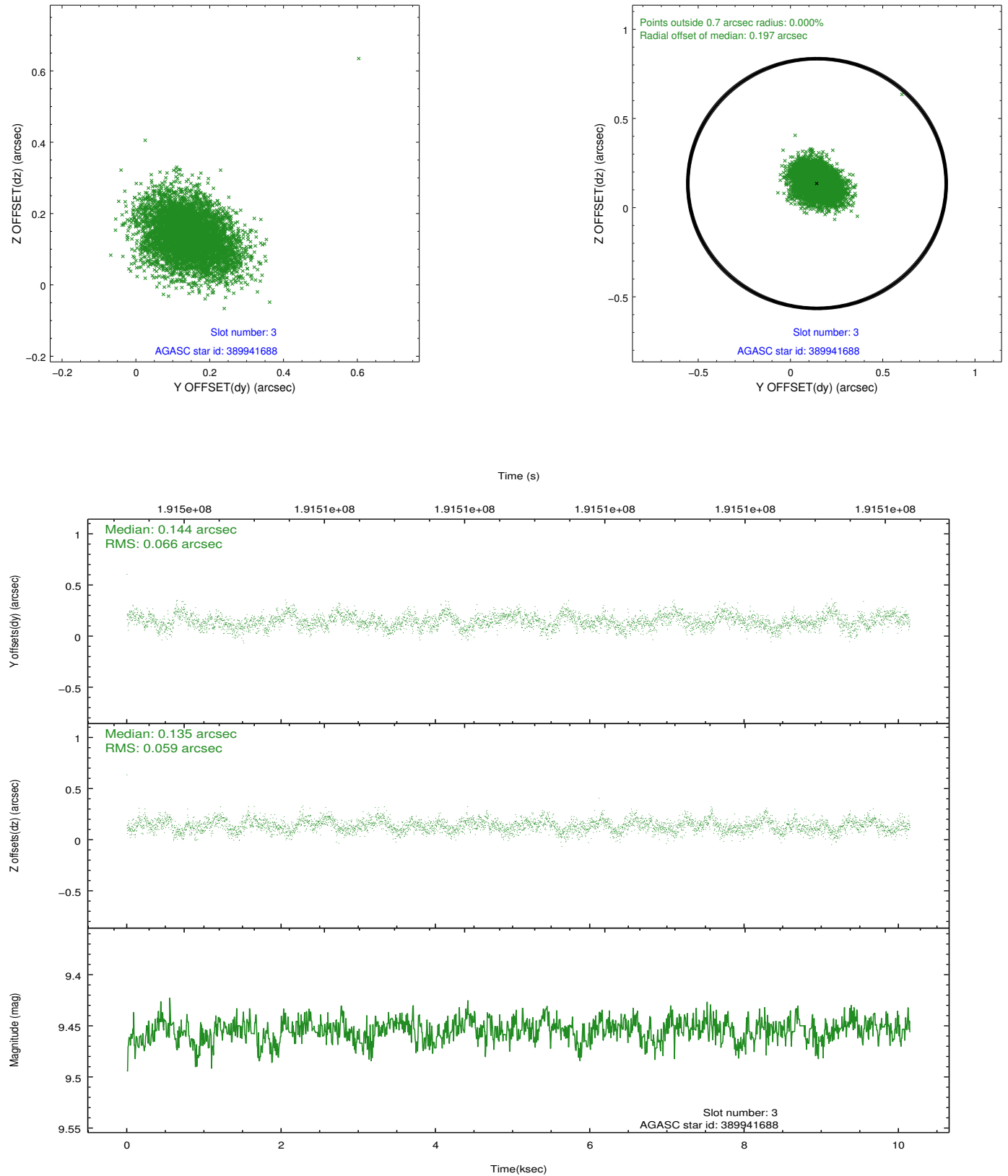


Slot Statistics

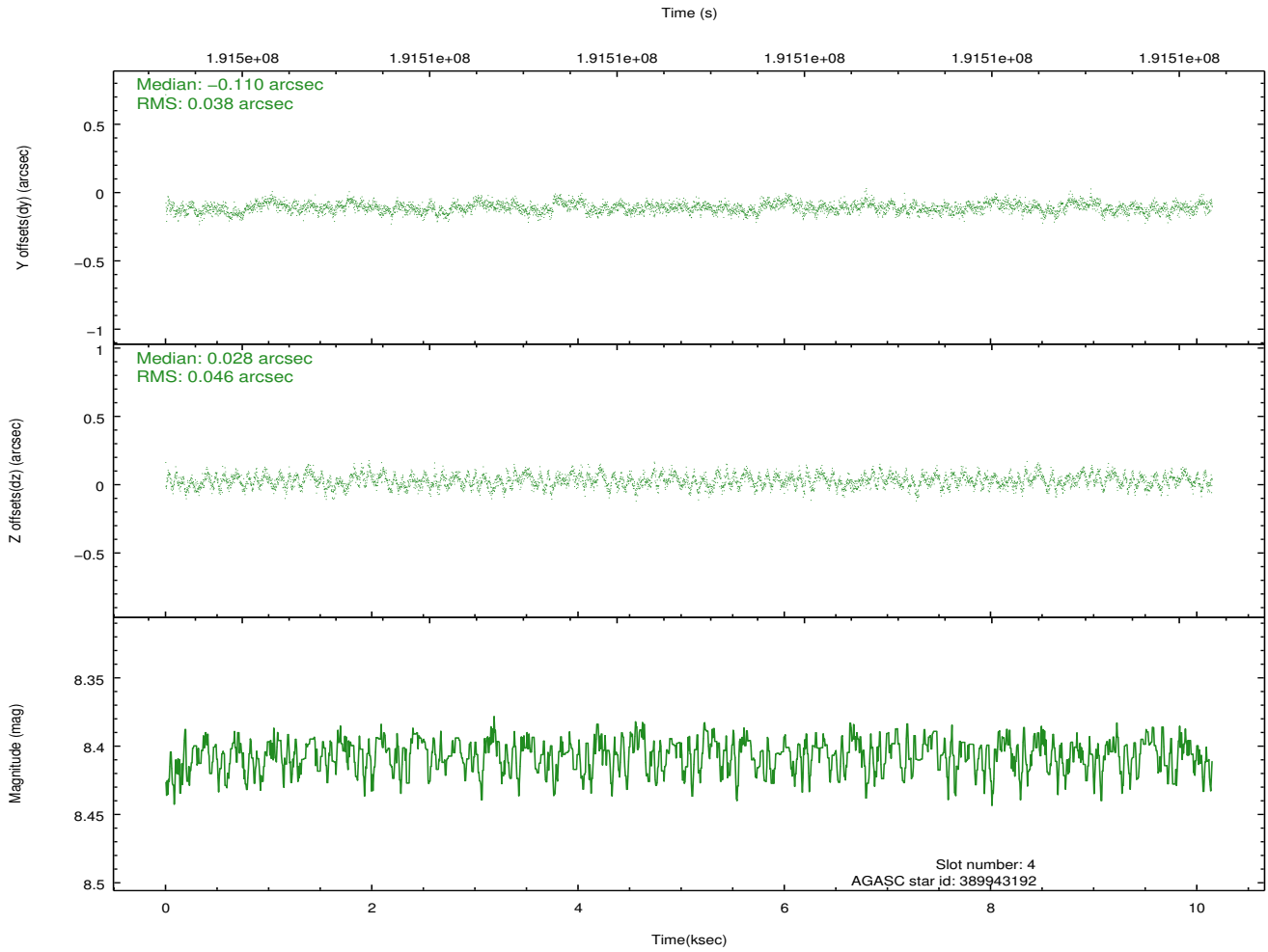
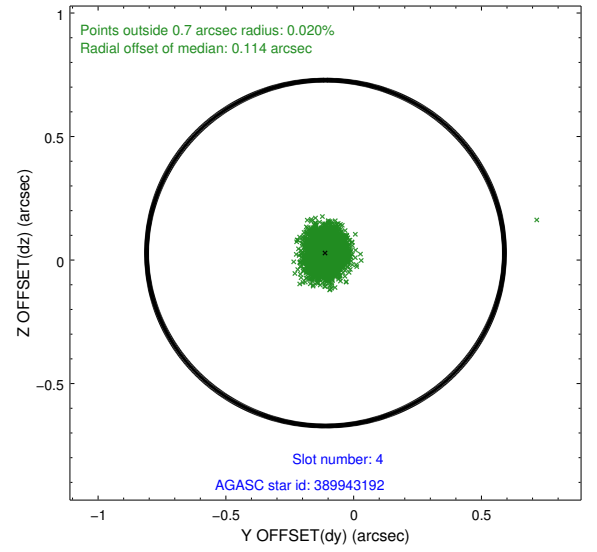
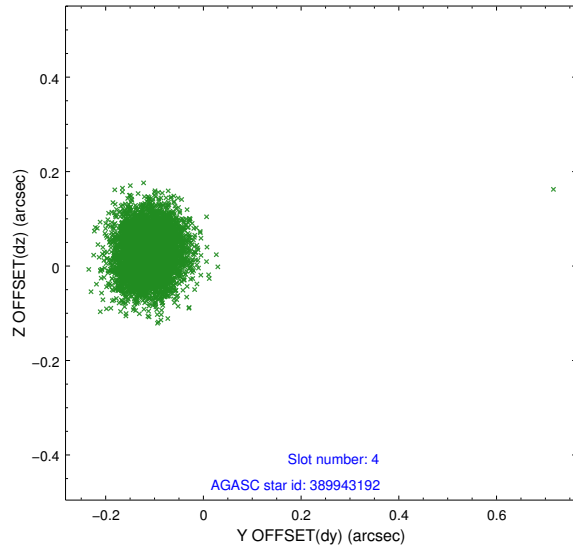
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	2476	-0.041	-0.015	0.007	0.012	0.000000	0.000000	-759.99	-1731.18
1	FID	ACIS-S-4	7.20	2476	0.069	0.024	0.005	0.010	0.000000	0.000000	2153.13	176.85
2	FID	ACIS-S-5	7.23	2476	-0.059	-0.000	0.007	0.012	0.000000	0.000000	-1812.21	171.02
3	GUIDE	389941688	9.45	4949	0.144	0.135	0.093	0.153	127.096763	38.100167	1311.74	-352.54
4	GUIDE	389943192	8.41	4950	-0.110	0.028	0.063	0.100	127.620263	38.598604	-222.33	-2099.37
5	GUIDE	389944848	8.16	4951	-0.108	-0.111	0.059	0.095	126.949244	37.500847	1806.91	1788.28
6	GUIDE	389948112	8.02	4951	0.048	-0.029	0.048	0.079	127.973824	37.693433	-1134.87	1185.43
7	GUIDE	389947560	8.01	4949	0.030	-0.023	0.055	0.091	128.370020	37.895863	-2278.88	482.79

2.4 Star Slots

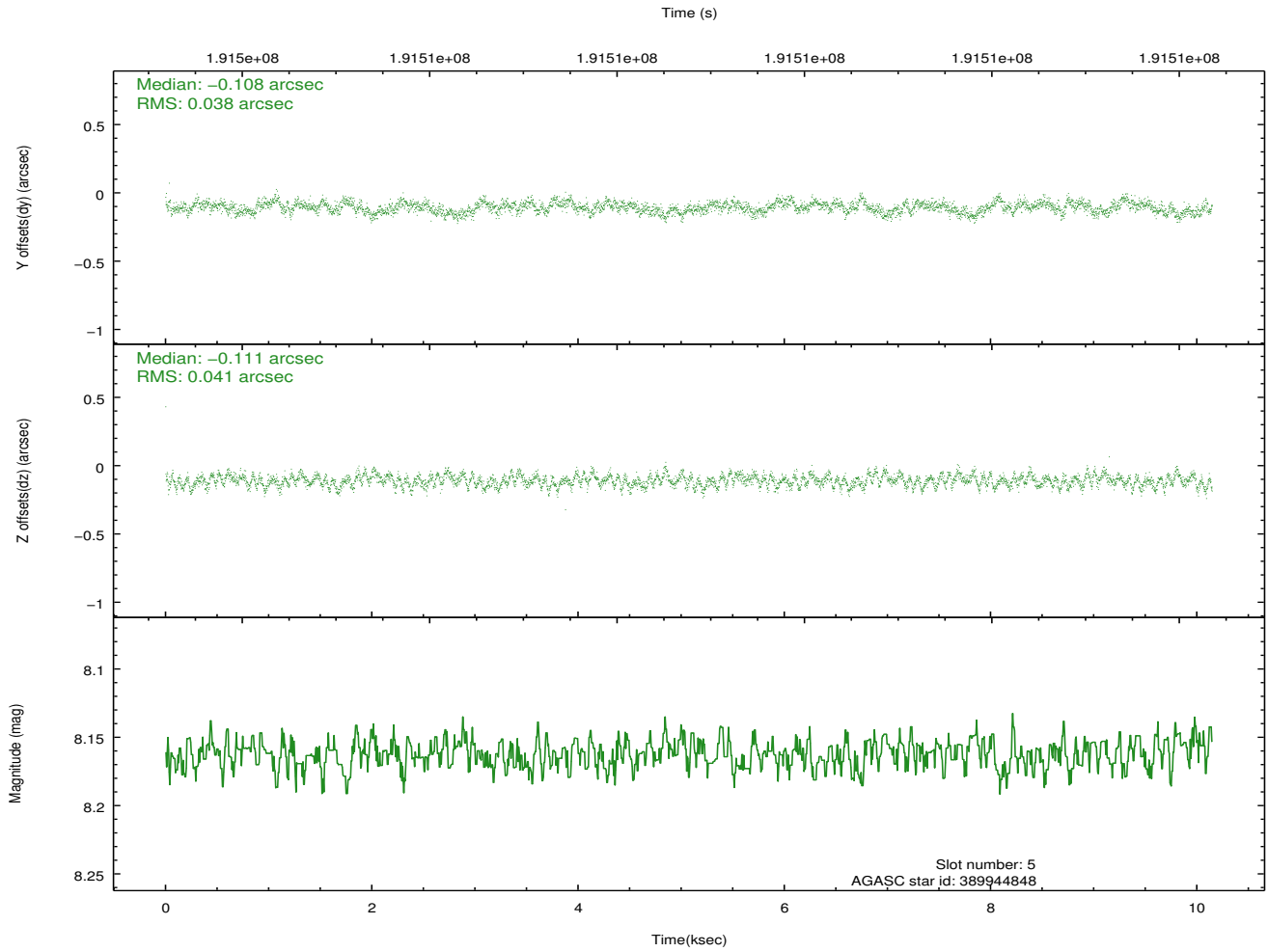
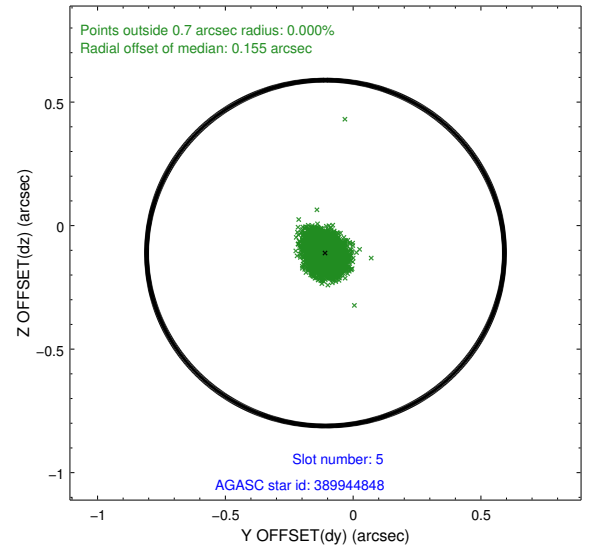
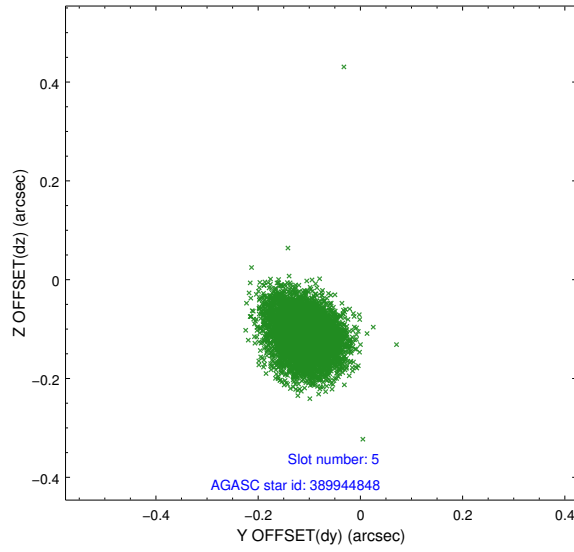
2.4.1 Slot 3



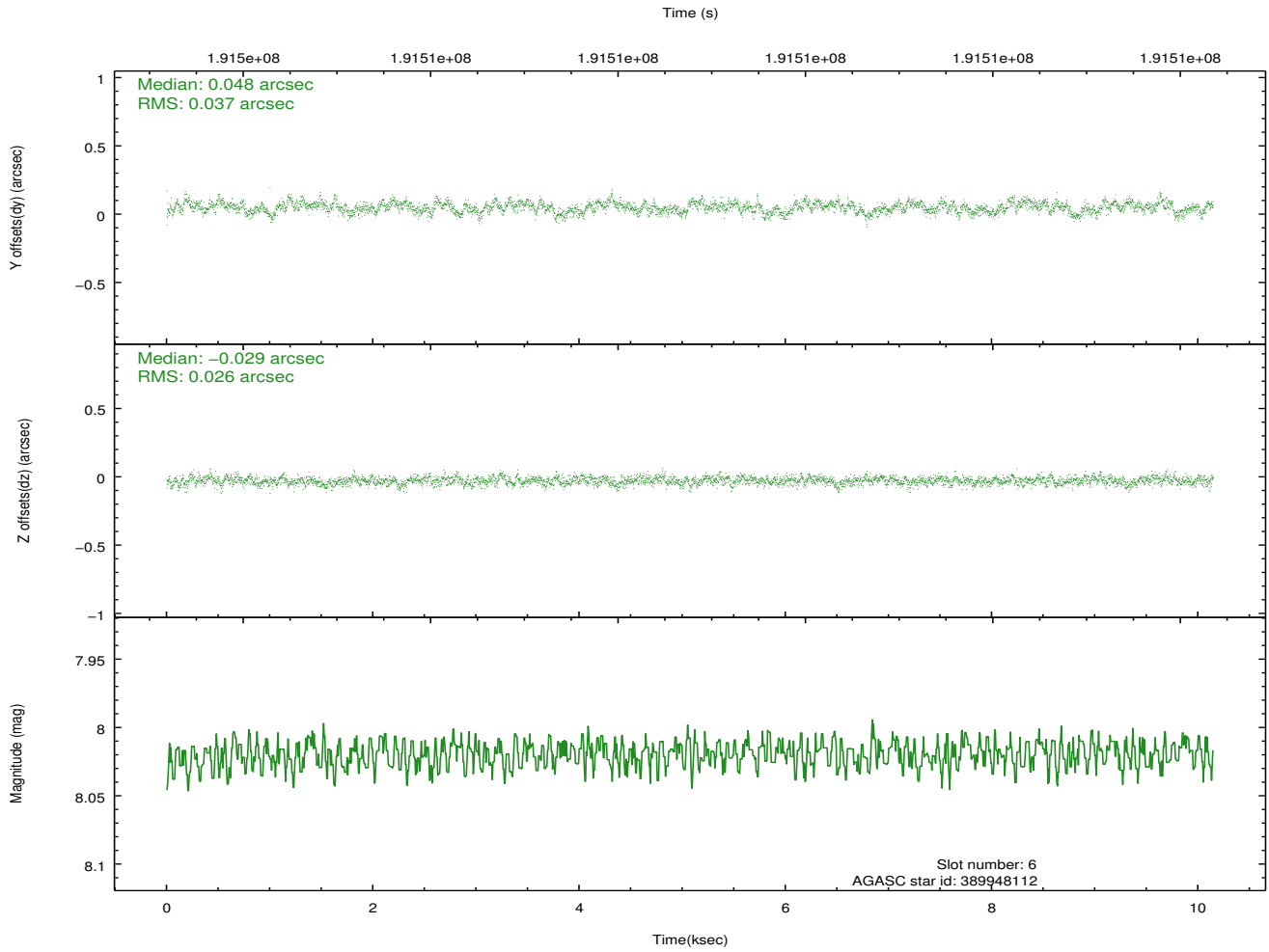
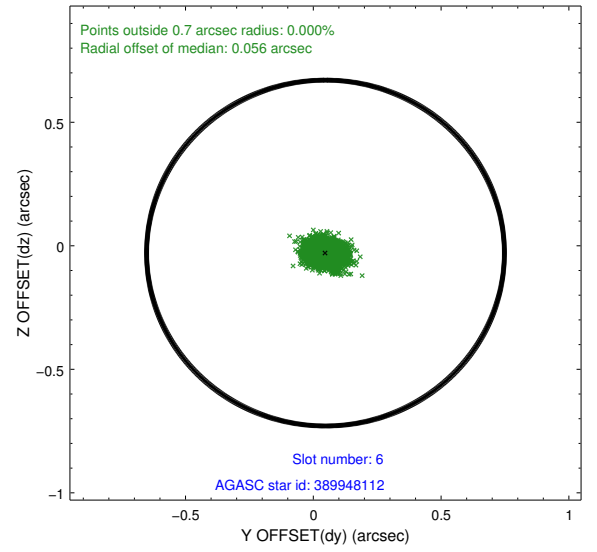
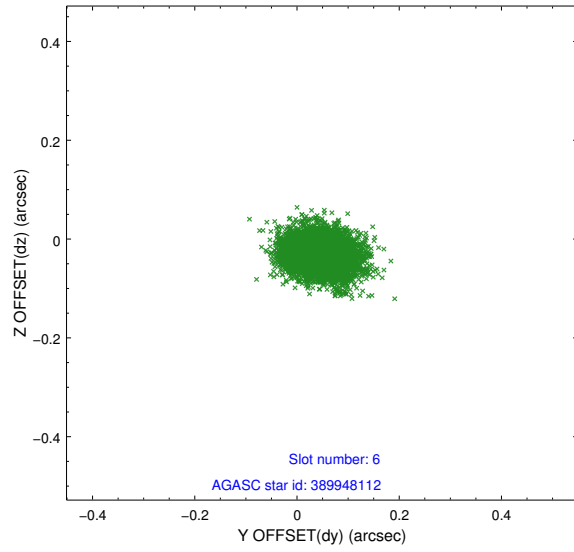
2.4.2 Slot 4



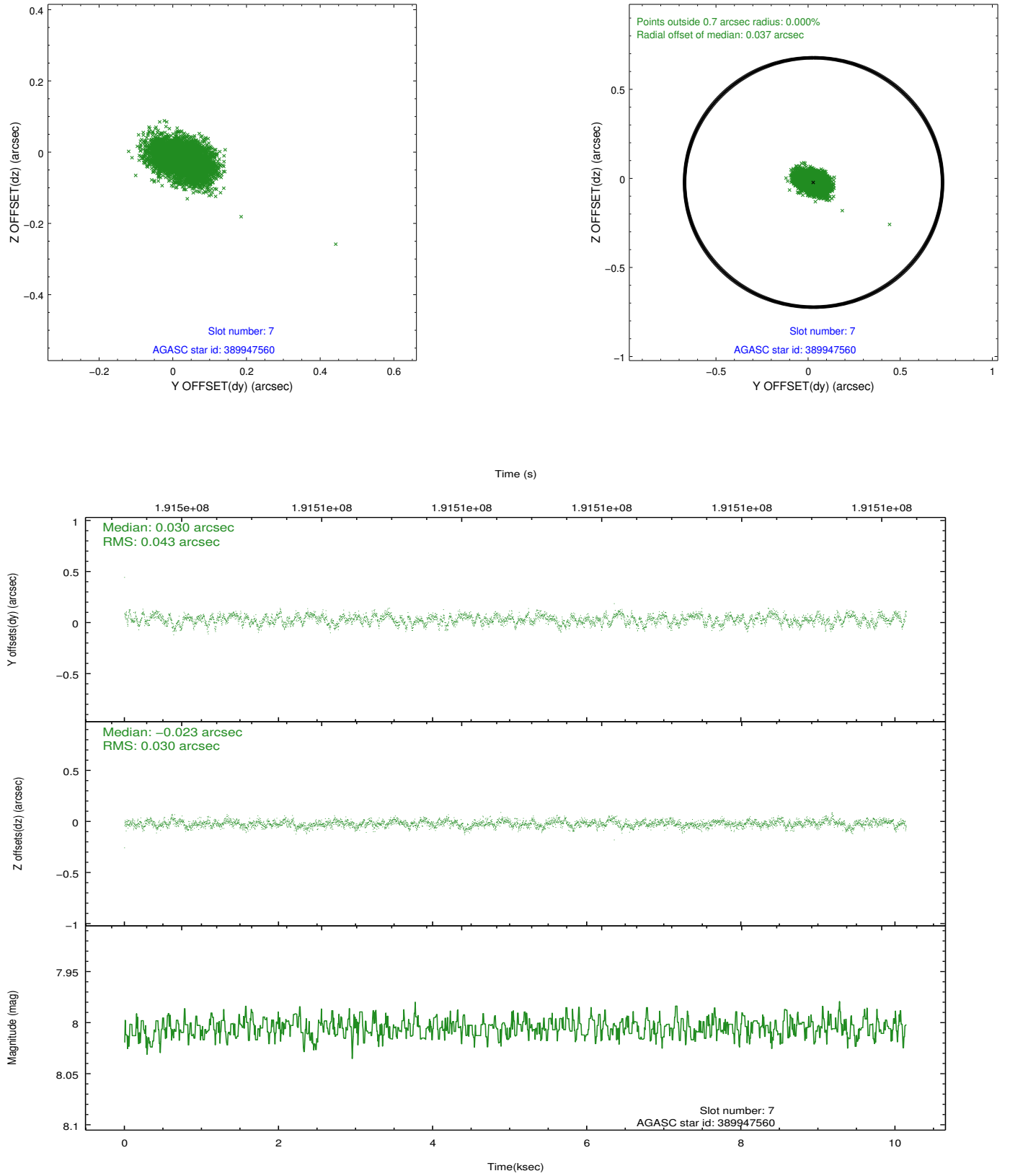
2.4.3 Slot 5



2.4.4 Slot 6

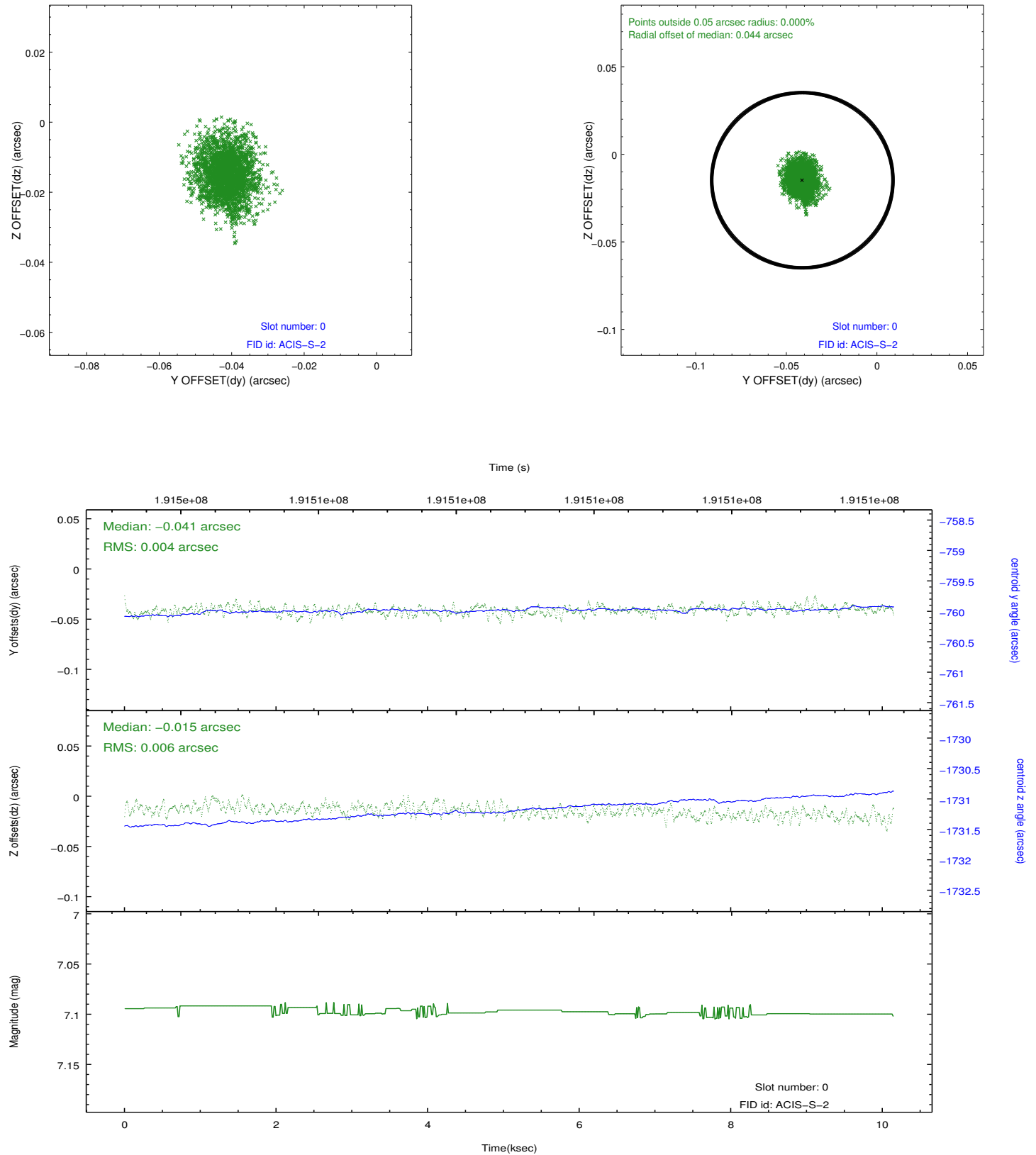


2.4.5 Slot 7

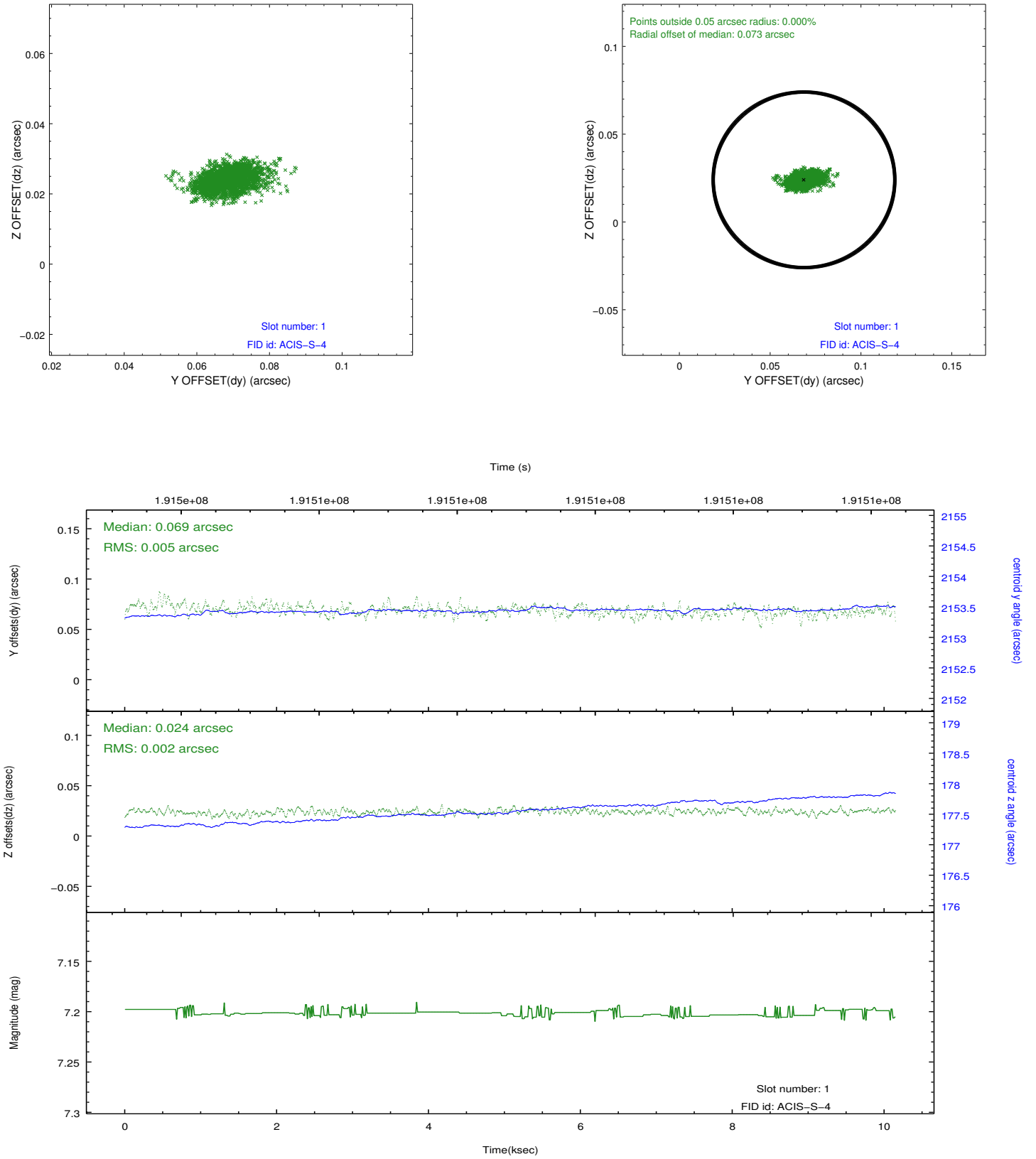


2.5 FID Slots

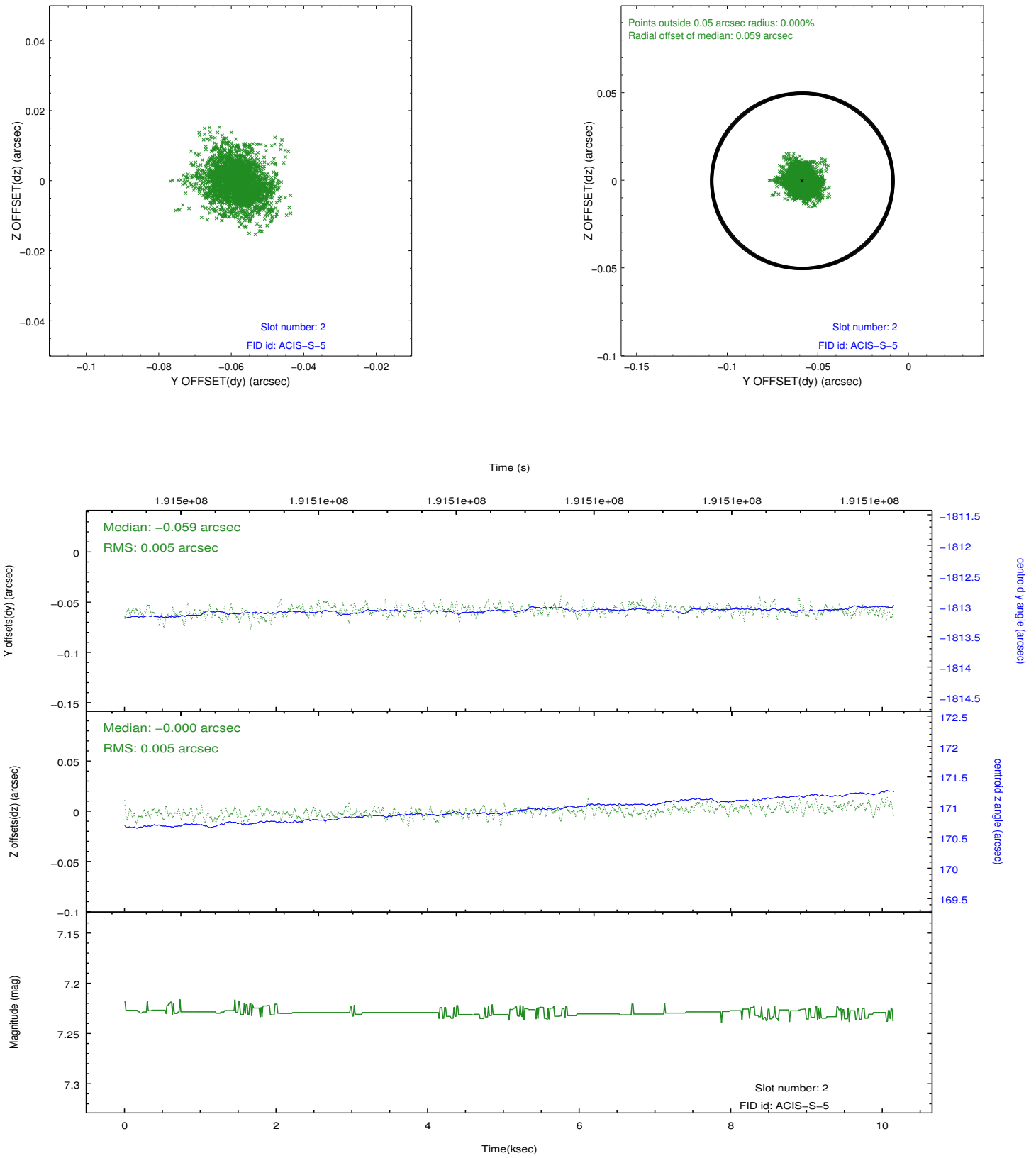
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.11.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.146

A.2 Comments