

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13937 - L2 Version 1
Chandra X-Ray Center

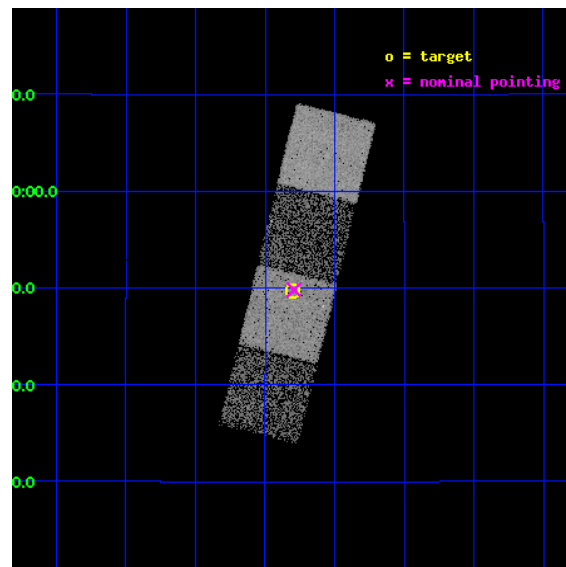
L2 Processing Date : Mar 3 2012

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

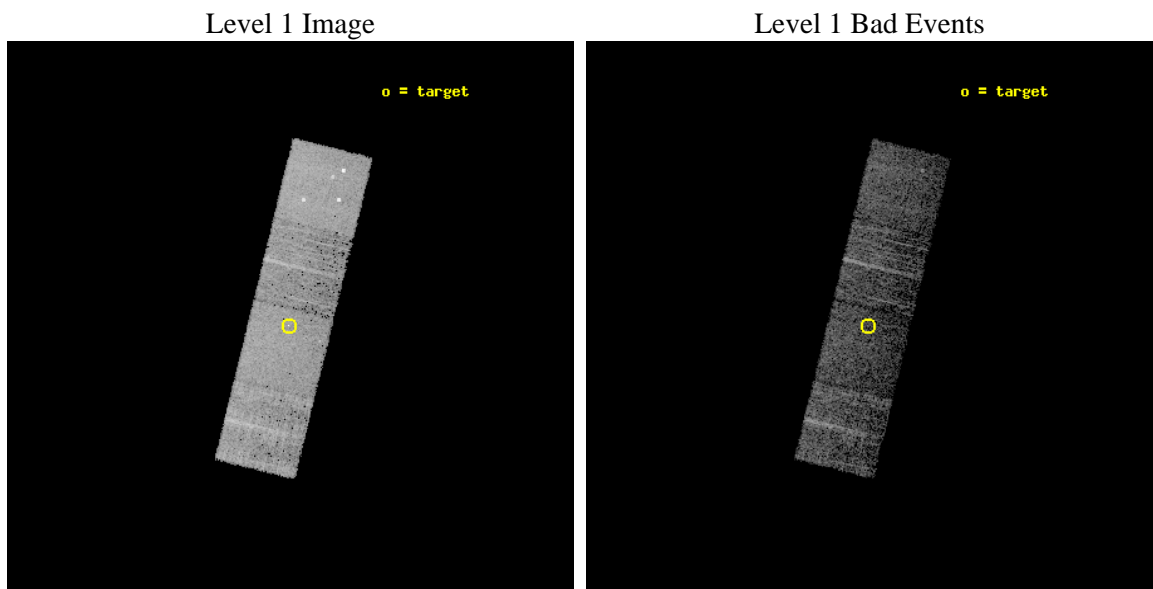
seq_num	702661	Sequence number
obs_id	13937	Observation id
title	Probing the High End of the Quasar Black Hole Mass Function	Propos
observer	Dr. Martin Elvis	Principal investigator
object	SDSS J123248.32+134945.1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	188.20125	Observer's specified target RA [deg]
dec_targ	13.829222	Observer's specified target Dec [deg]
ra_nom	188.19831926294	Nominal RA [deg]
dec_nom	13.830204000754	Nominal Dec [deg]
roll_nom	103.76445712101	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4668.6000359058	Sum of GTIs [s]
livetime	4607.6013394634	Livetime [s]
ontime5	4668.6000359058	Sum of GTIs [s]
ontime6	4668.6000359058	Sum of GTIs [s]
ontime7	4668.6000359058	Sum of GTIs [s]
ontime8	4668.6000359058	Sum of GTIs [s]
l2events	42955	Number of level 2 events



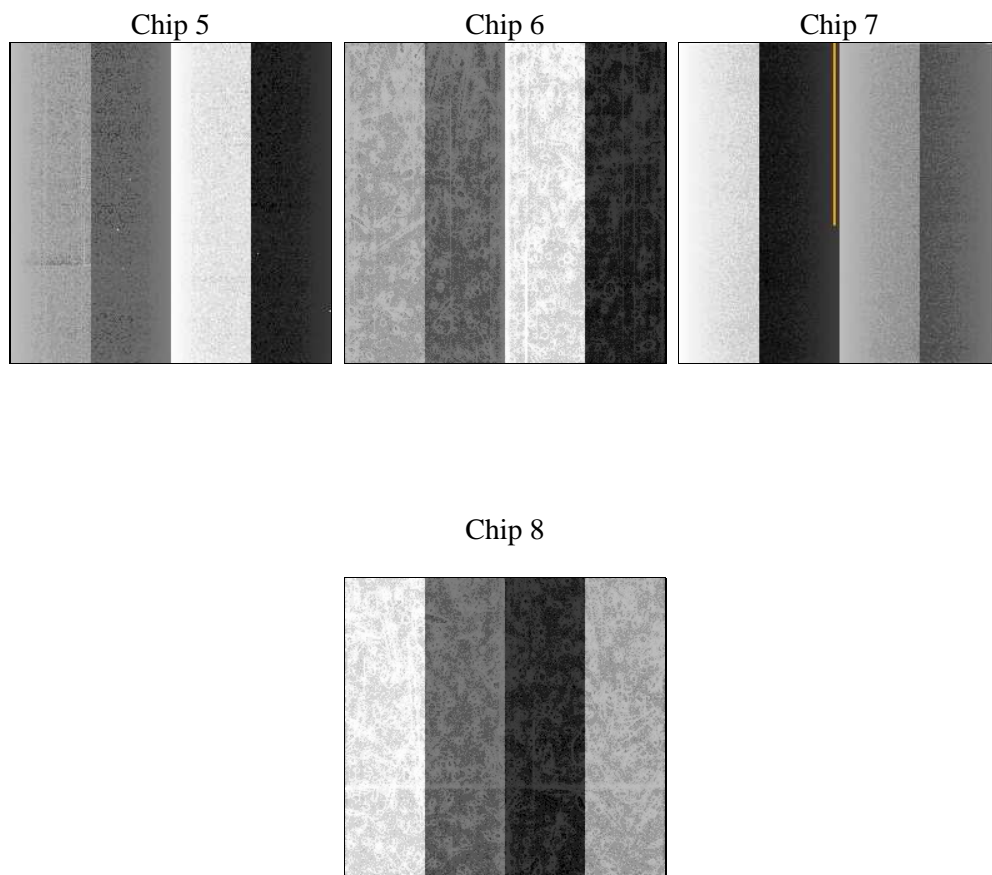
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	4600.873000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	4668.6000359058	Sum of GTIs [s]
caldsver	4.4.8	 	ontime5	4668.6000359058	Sum of GTIs [s]
date	2012-03-03T07:48:24	Date and time of file creation	ontime6	4668.6000359058	Sum of GTIs [s]
revision	1	Processing version of data	ontime7	4668.6000359058	Sum of GTIs [s]
			ontime8	4668.6000359058	Sum of GTIs [s]
			l1events	149160	Number of level 1 events

2.1.4 Events

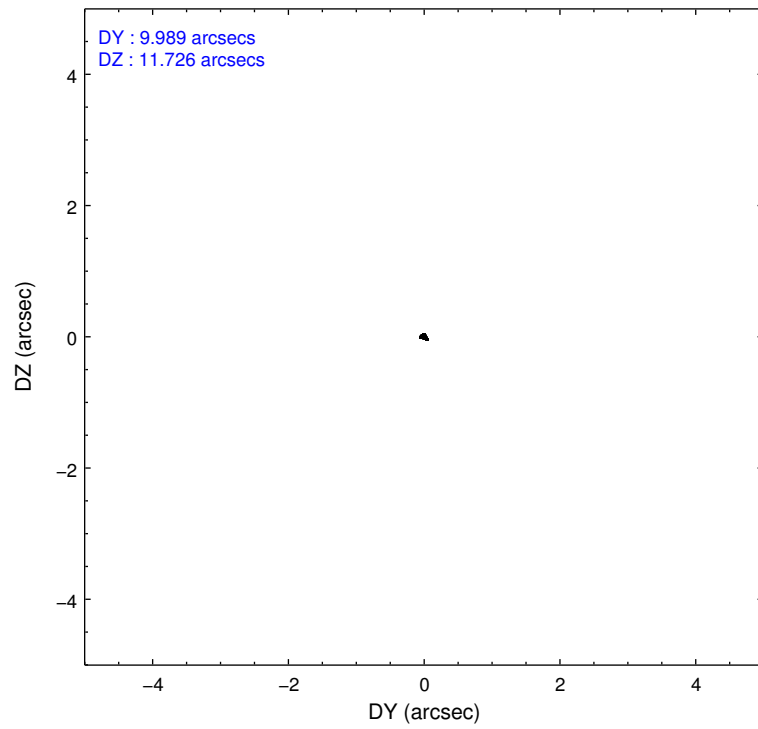
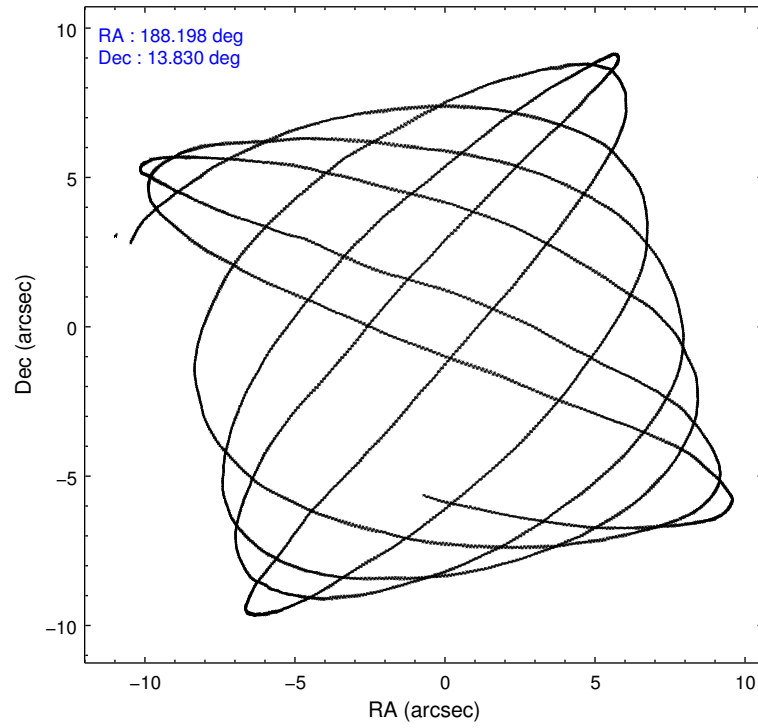
	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	47321	28137	36763	36939
rejected events	22845	24528	20469	27553
rejected %	48%	87%	55%	74%

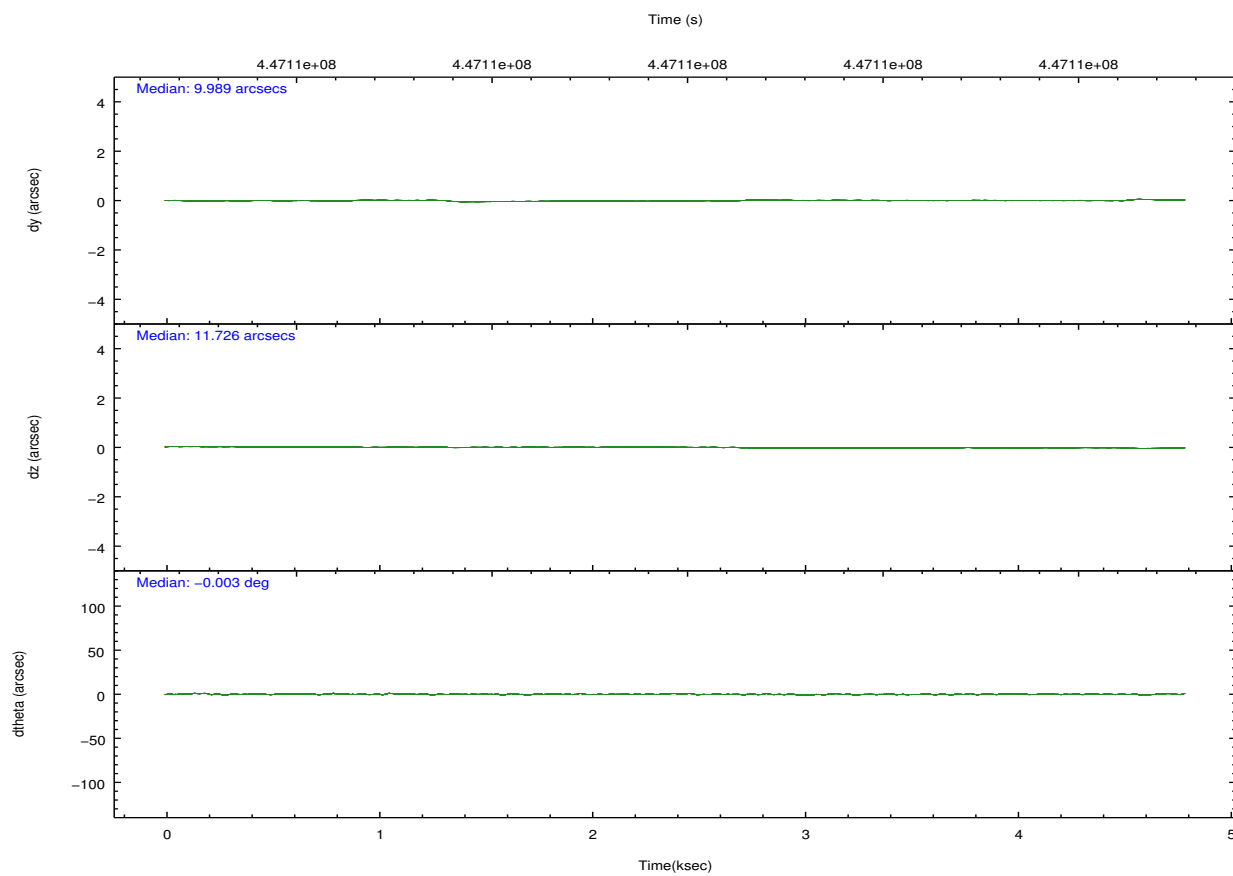
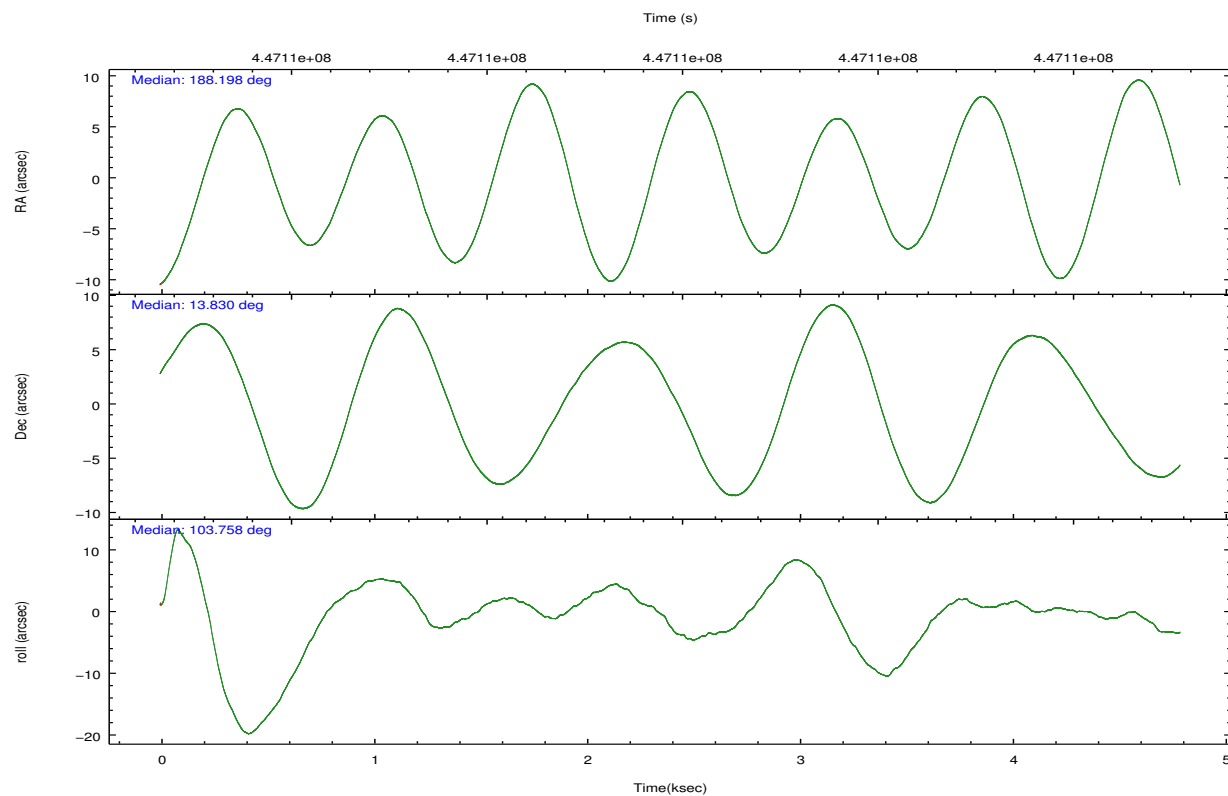
	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	4184	1393	1612	2649
	8%	4%	4%	7%
grade 1 events	153	14	59	30
	0%	0%	0%	0%
grade 2 events	6960	780	3326	2212
	14%	2%	9%	5%
grade 3 events	756	346	1352	1025
	1%	1%	3%	2%
grade 4 events	765	336	1359	945
	1%	1%	3%	2%
grade 5 events	3132	1335	3624	1963
	6%	4%	9%	5%
grade 6 events	11826	755	8656	2558
	24%	2%	23%	6%
grade 7 events	19545	23178	16775	25557
	41%	82%	45%	69%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-5678	ACIS-5678	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	188.218051	188.1983192629366	Subarray requested	NONE	NONE
[deg] Pointing Dec	13.810701	13.8302040007541	Alternating exposures requested	N	N
[deg] Pointing Roll	103.603128	103.7644571210087	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	447107733.184000	447106376.44105			
Observation start date	2012-03-02T20:34:27	2012-03-02T20:12:56			
[s] Observation end time (MET)	447112334.184000	447112560.26637			
Observation end date	2012-03-02T21:51:08	2012-03-02T21:56:00			
Read mode	TIMED	TIMED			

2.3 Aspect



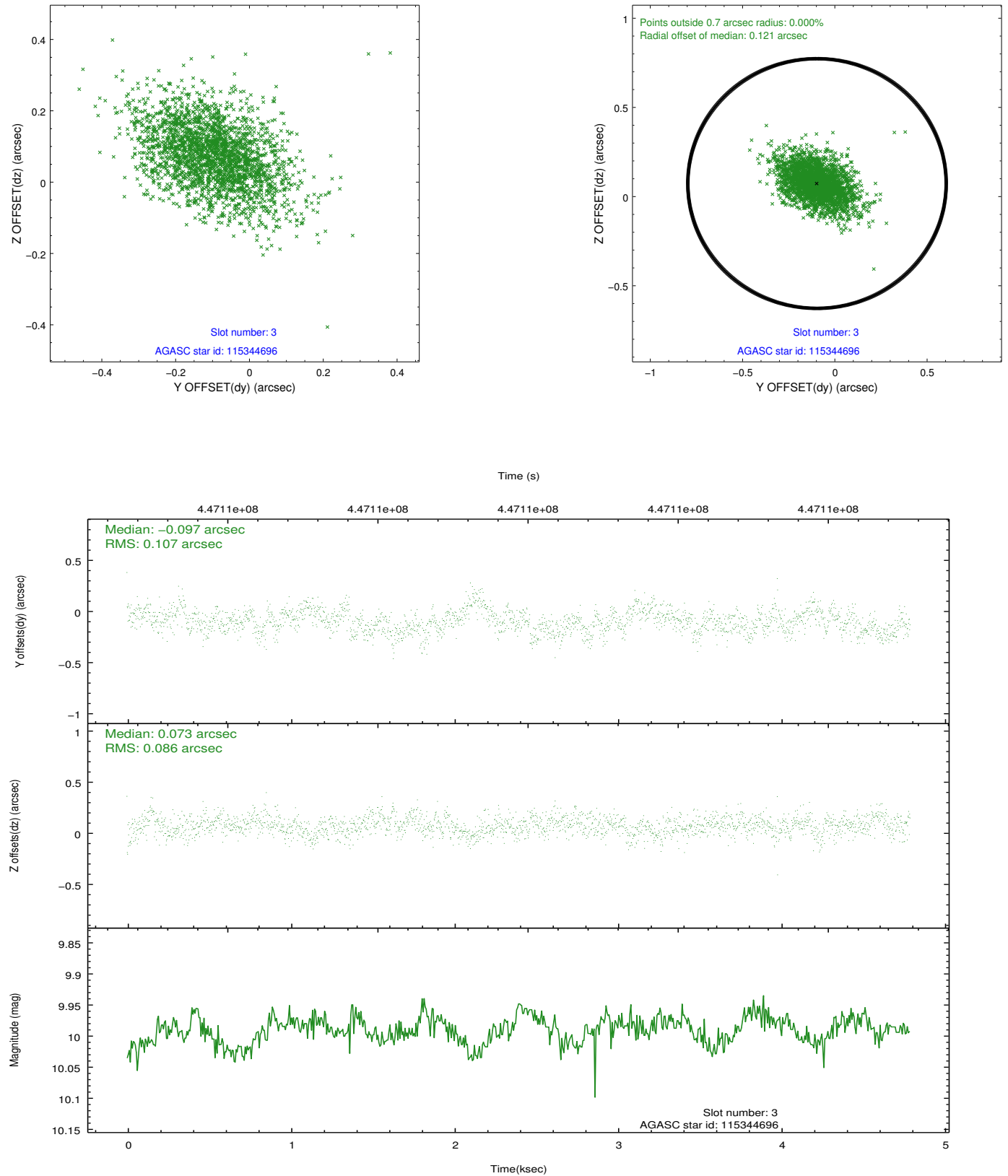


Slot Statistics

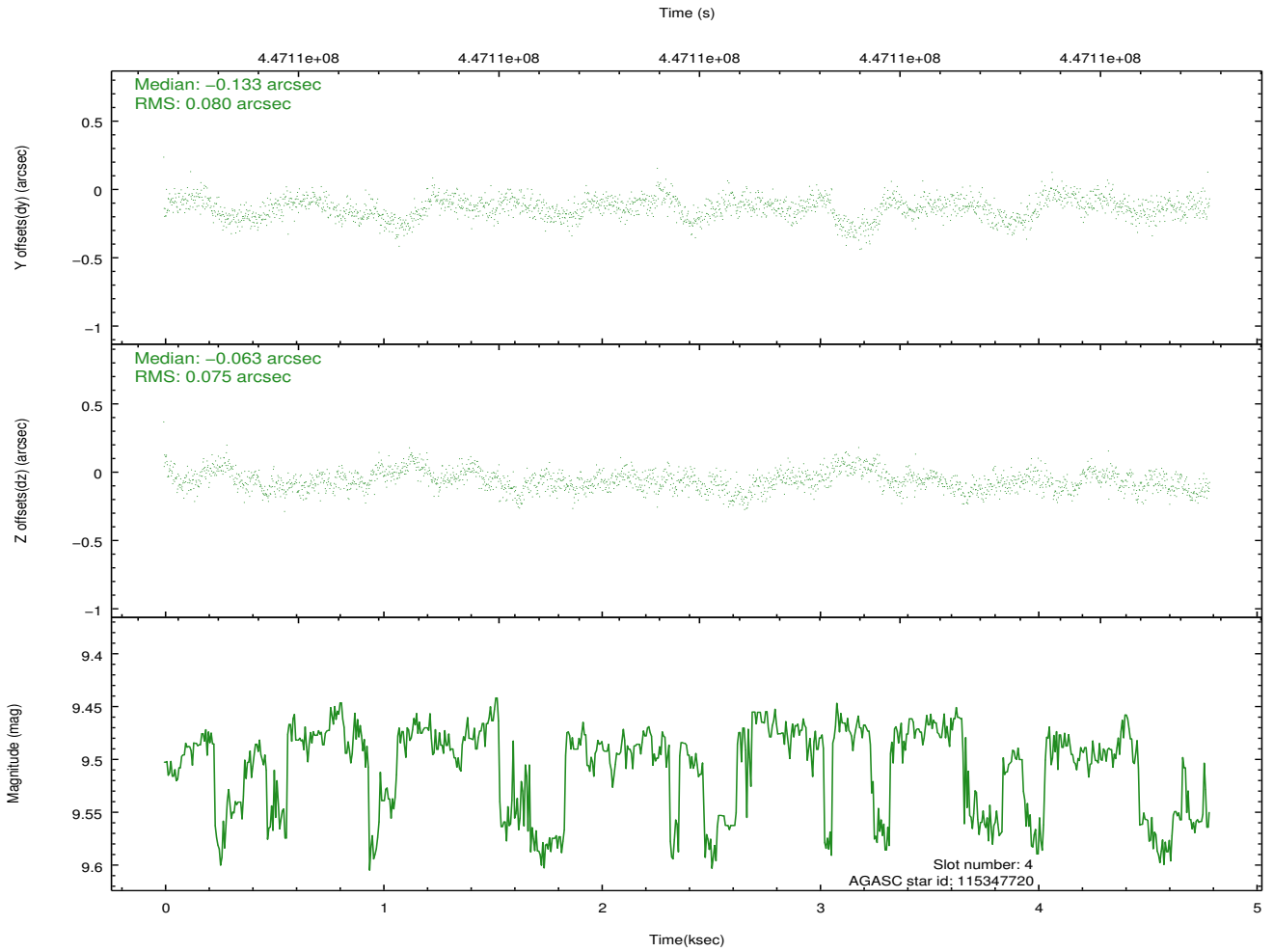
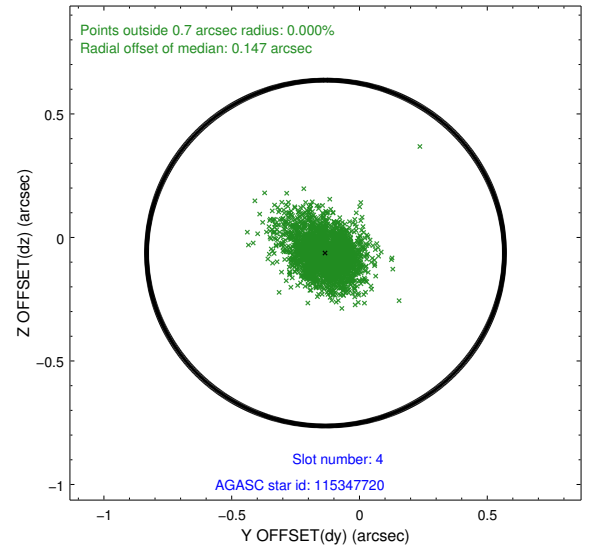
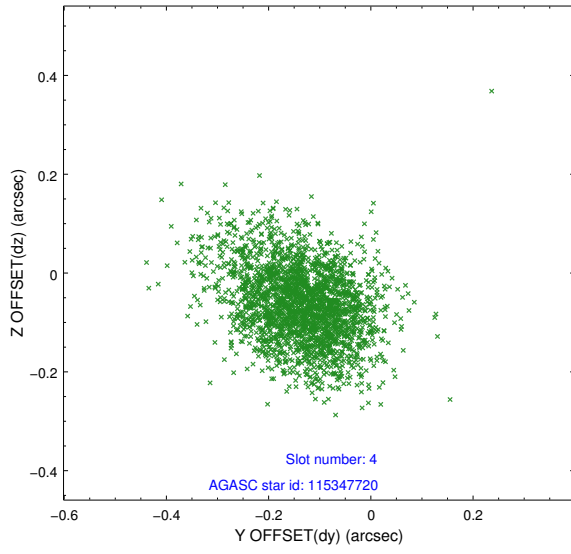
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.05	1169	-0.067	-0.042	0.006	0.011	0.000000	0.000000	-762.91	-1733.04
1	FID	ACIS-S-4	7.15	1169	0.230	0.044	0.005	0.010	0.000000	0.000000	2150.11	174.16
2	FID	ACIS-S-5	7.18	1169	-0.194	0.007	0.006	0.011	0.000000	0.000000	-1814.21	169.30
3	GUIDE	115344696	9.99	2335	-0.097	0.073	0.143	0.242	188.739926	14.495064	1969.12	-2347.28
4	GUIDE	115347720	9.49	2321	-0.133	-0.063	0.112	0.196	188.304790	13.999135	589.07	-454.70
5	GUIDE	115348280	9.73	2332	-0.000	-0.014	0.146	0.228	188.509617	13.876544	-7.93	-1046.37
6	GUIDE	115349560	9.84	2334	0.022	-0.260	0.183	0.278	188.086555	13.583828	-684.45	641.93
7	GUIDE	115479688	9.91	2332	0.198	0.256	0.220	0.329	188.989208	13.490346	-1751.57	-2352.95

2.4 Star Slots

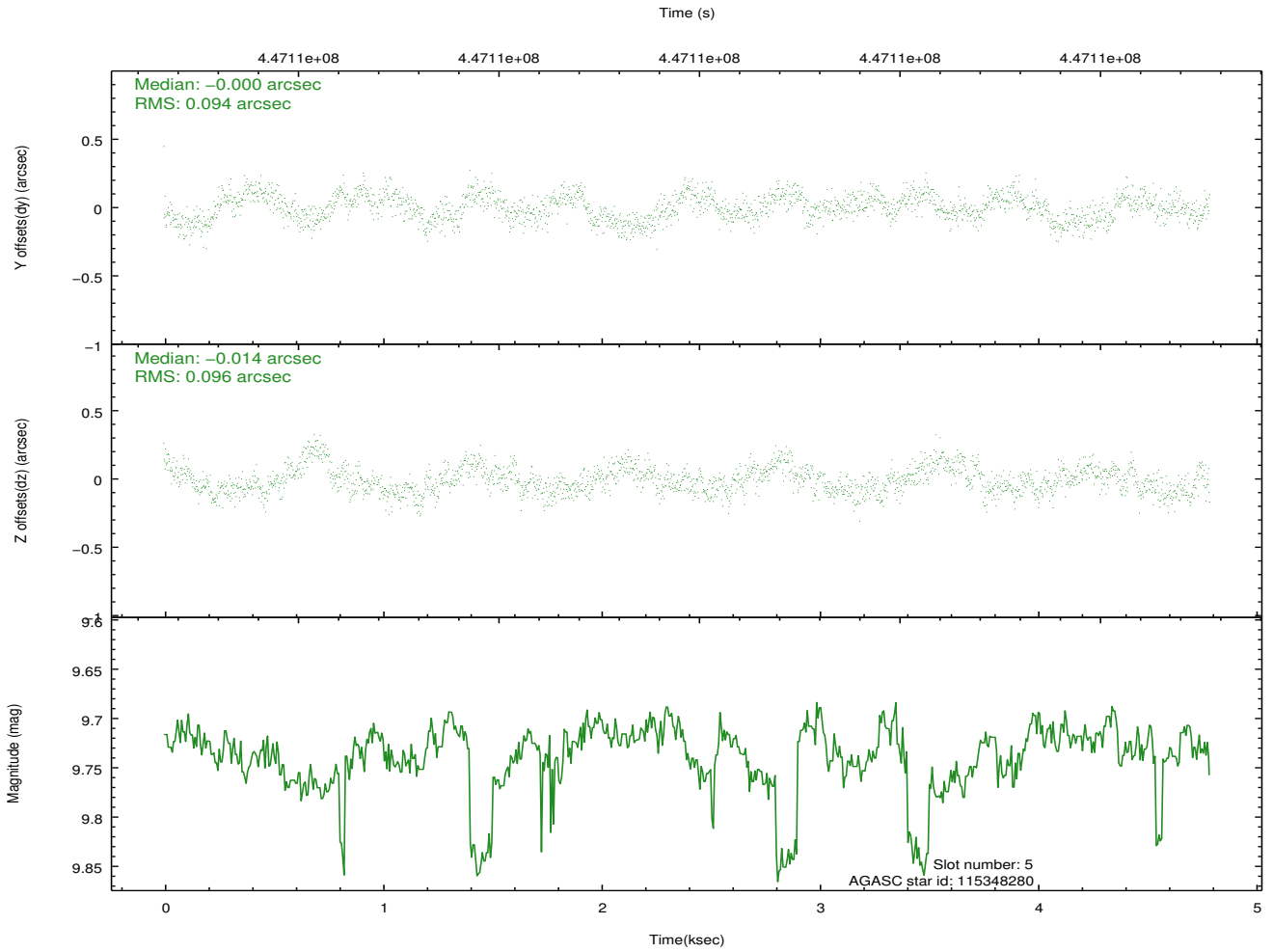
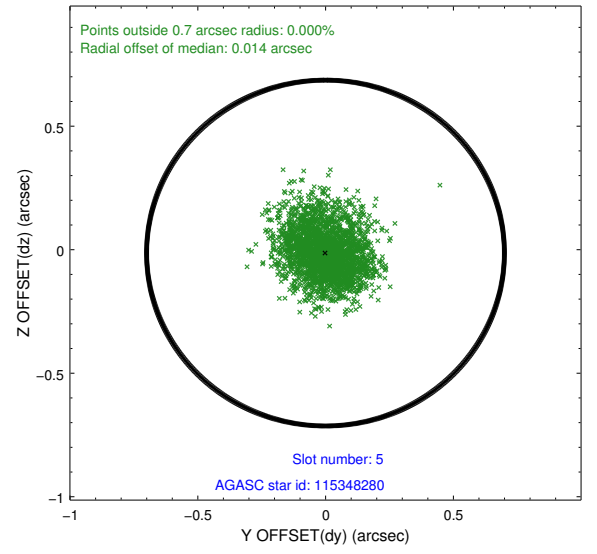
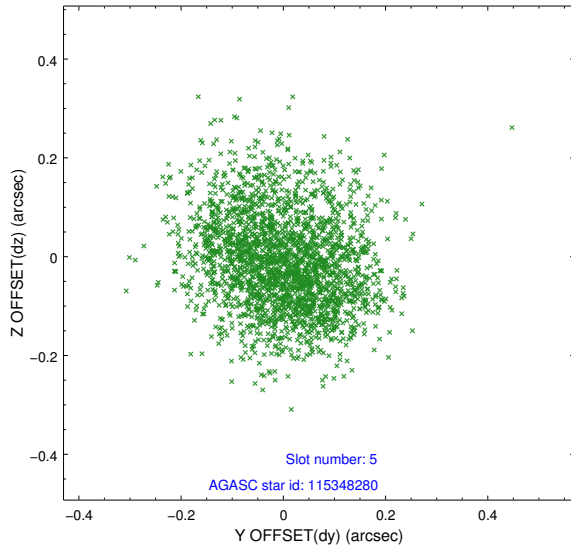
2.4.1 Slot 3



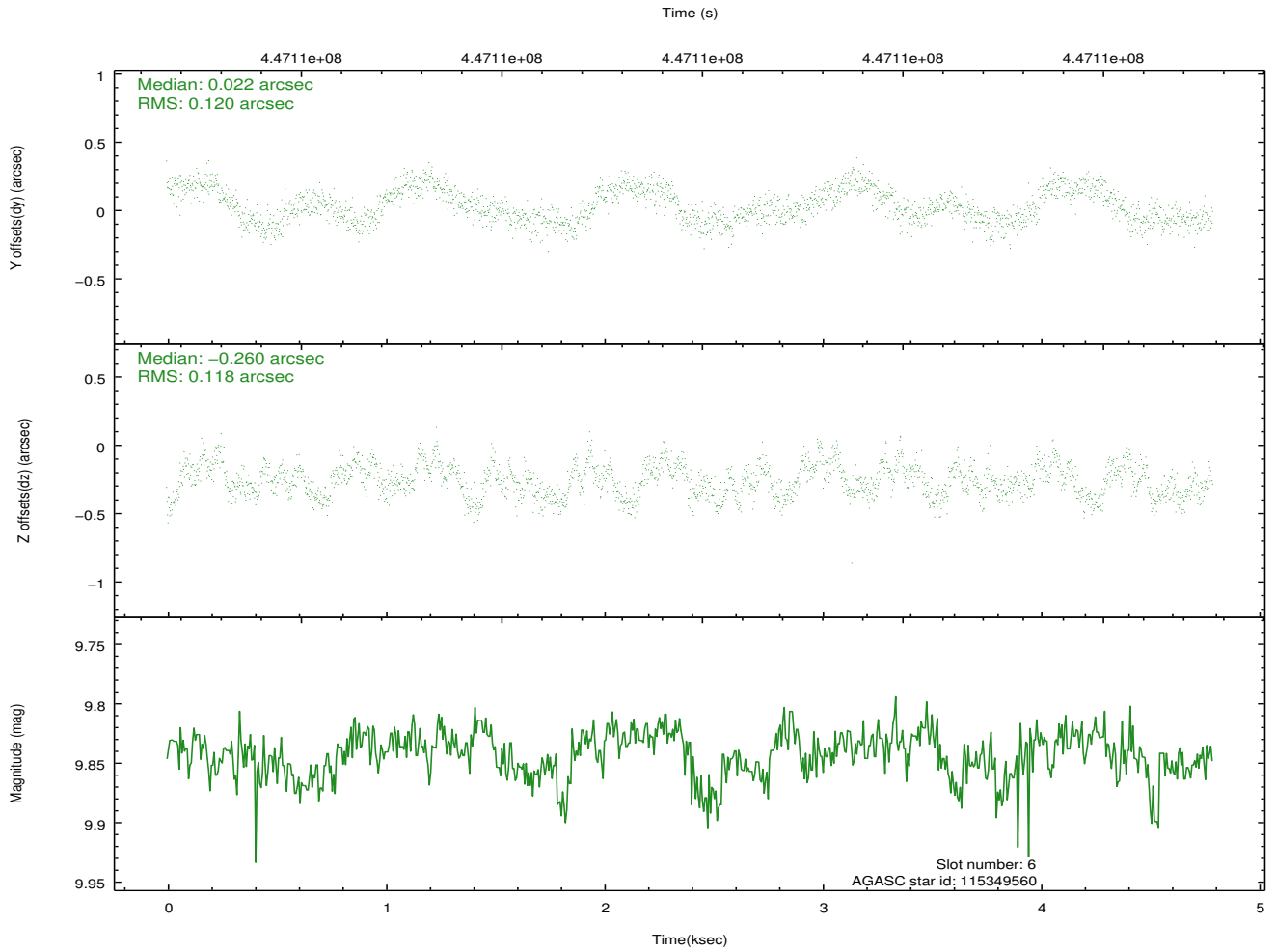
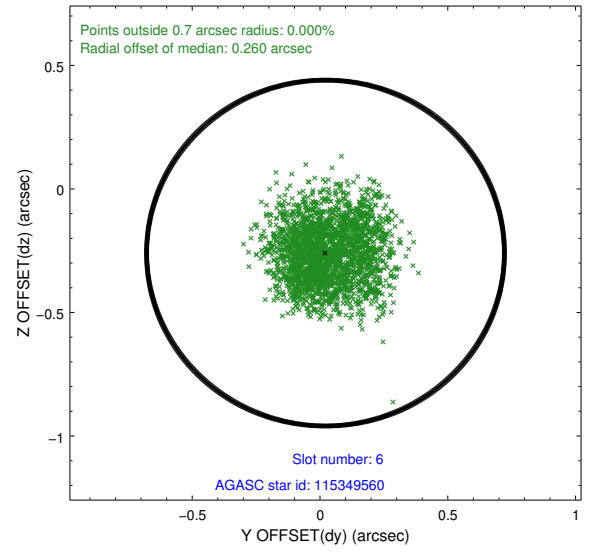
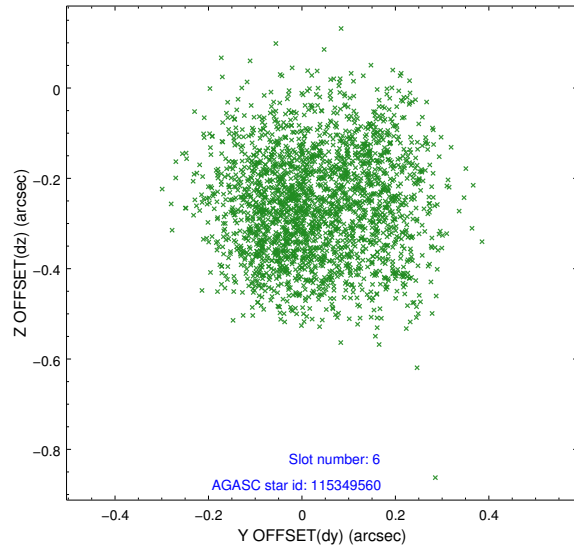
2.4.2 Slot 4



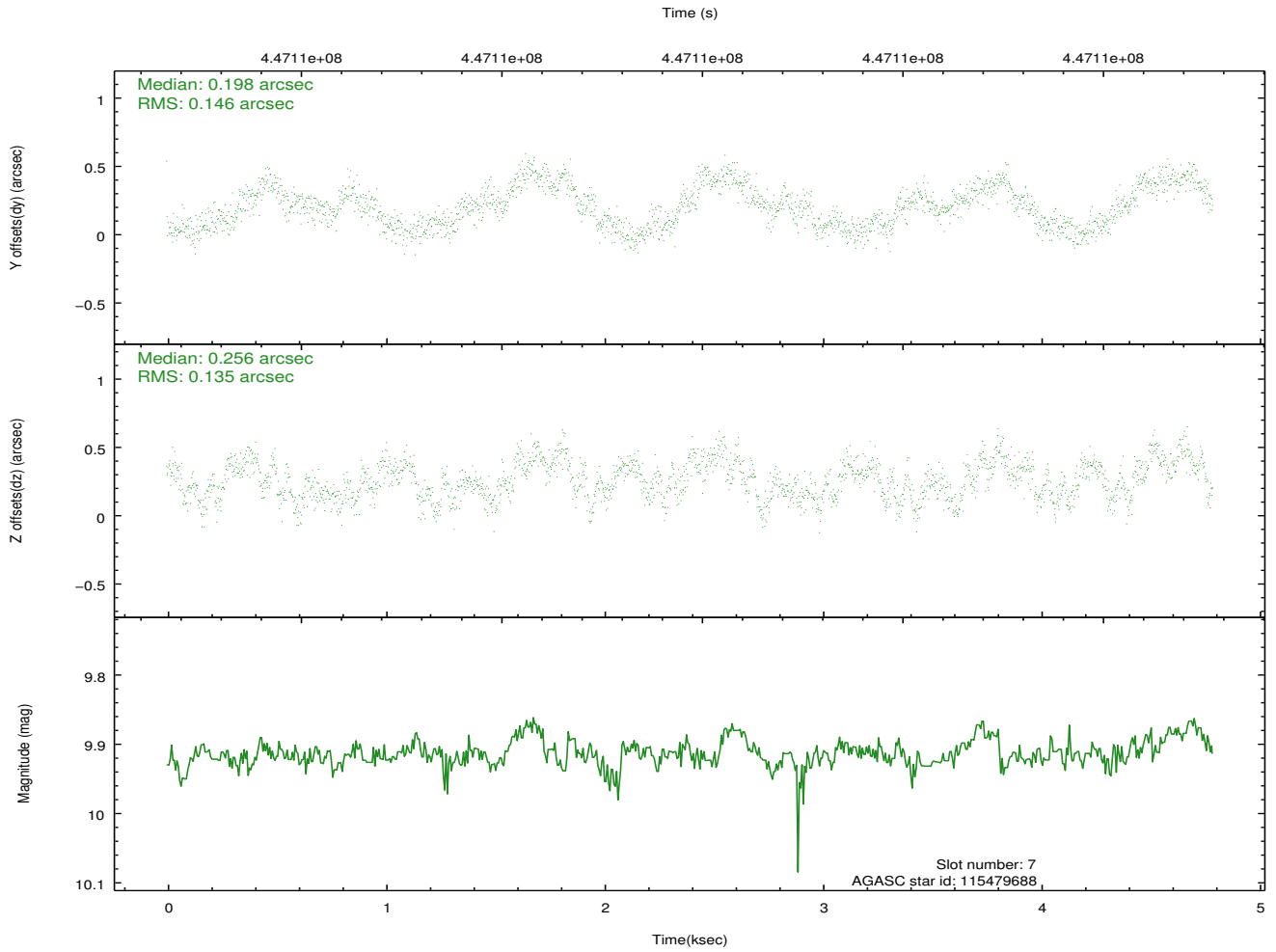
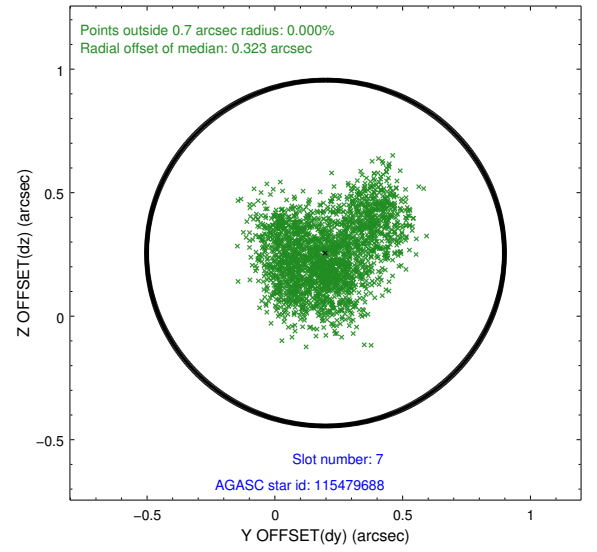
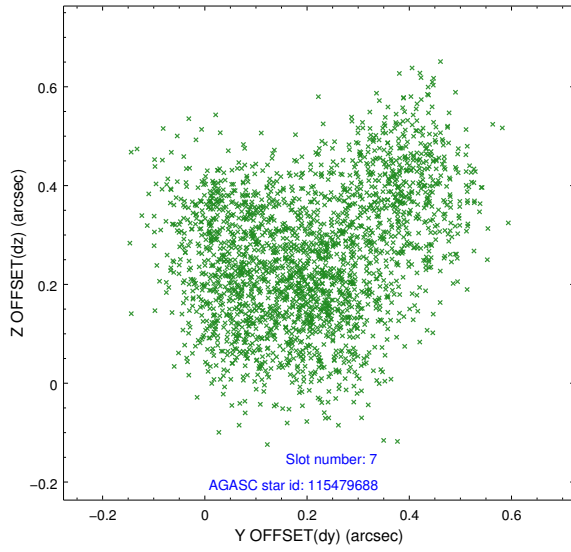
2.4.3 Slot 5



2.4.4 Slot 6

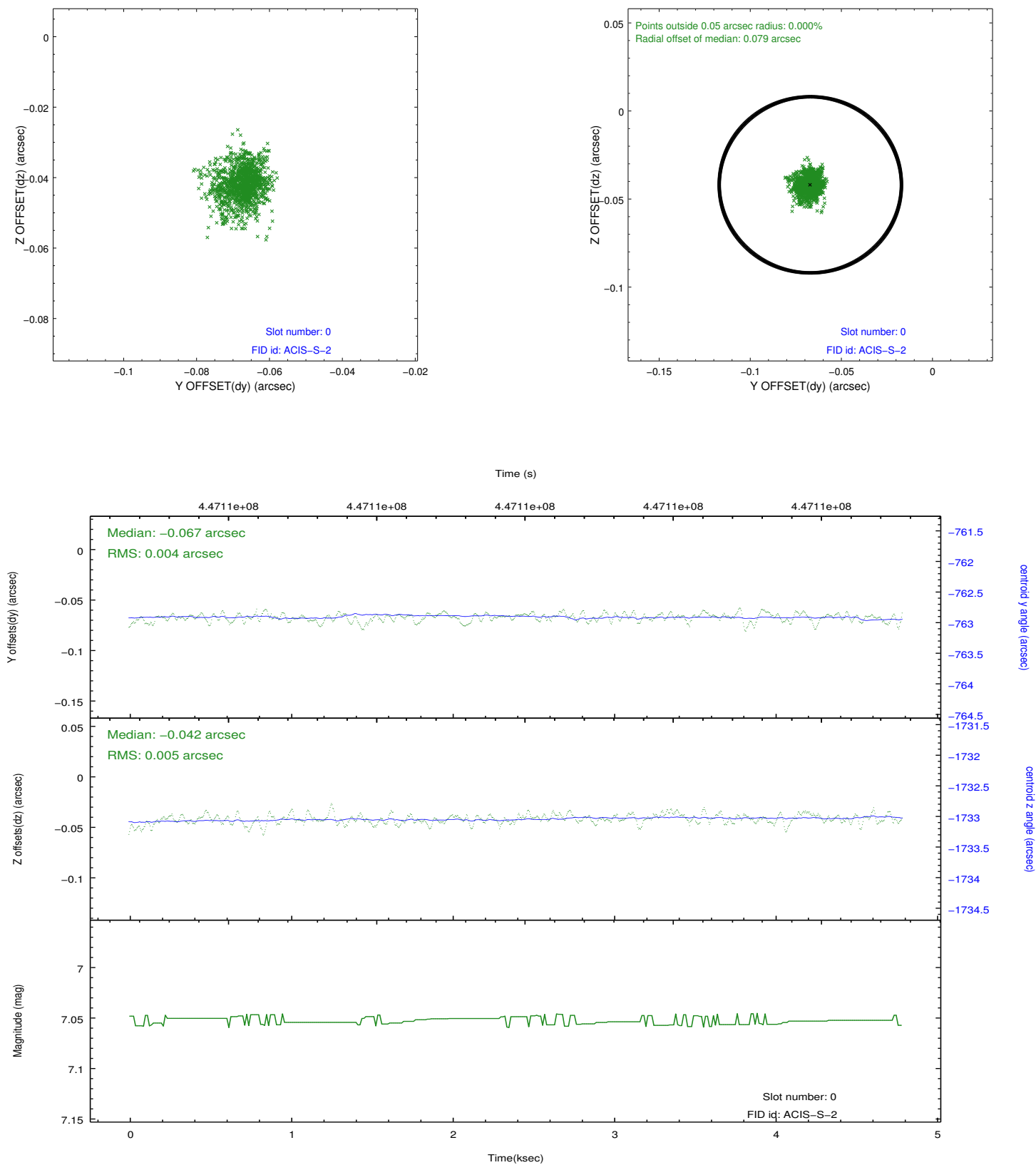


2.4.5 Slot 7

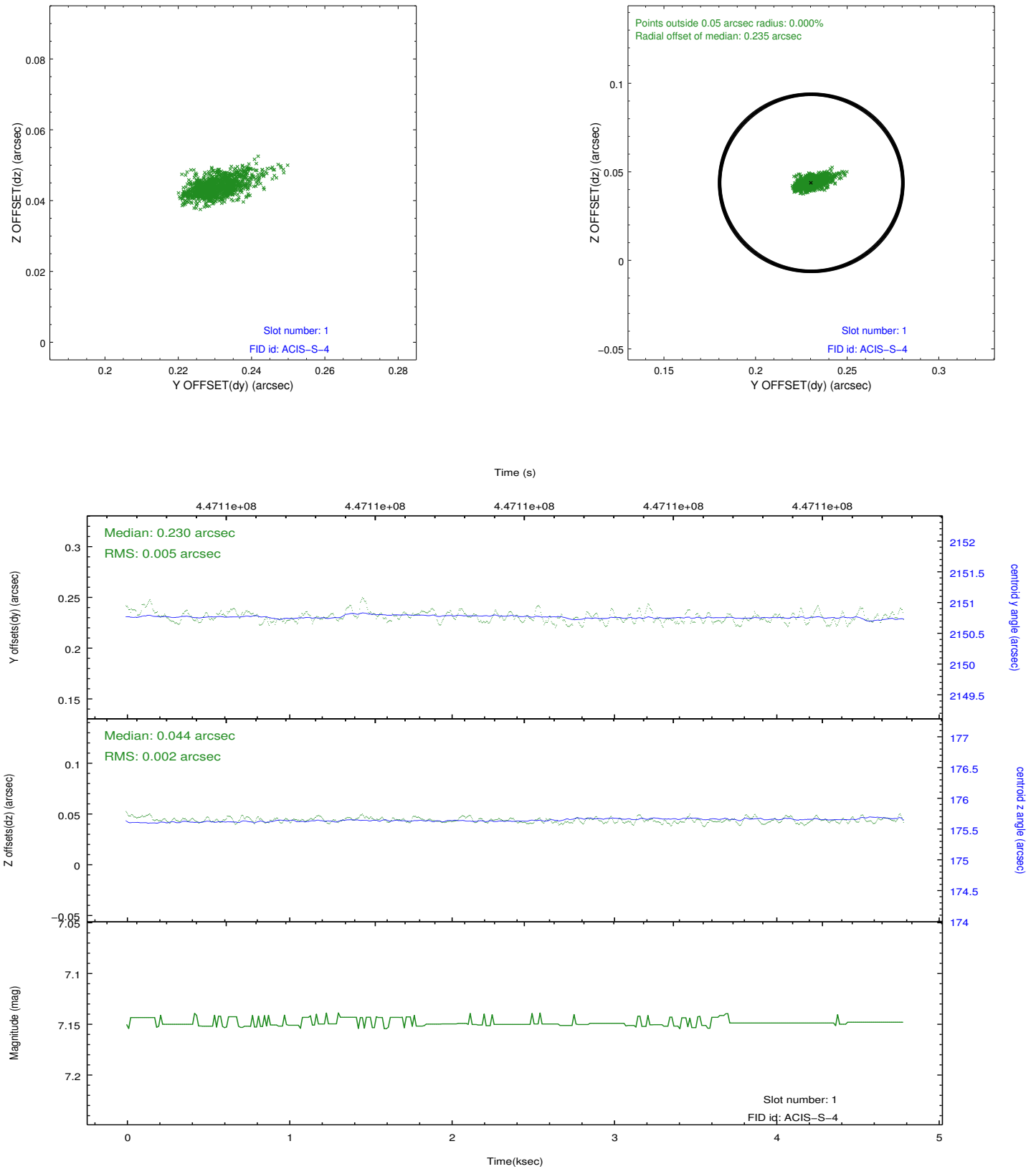


2.5 FID Slots

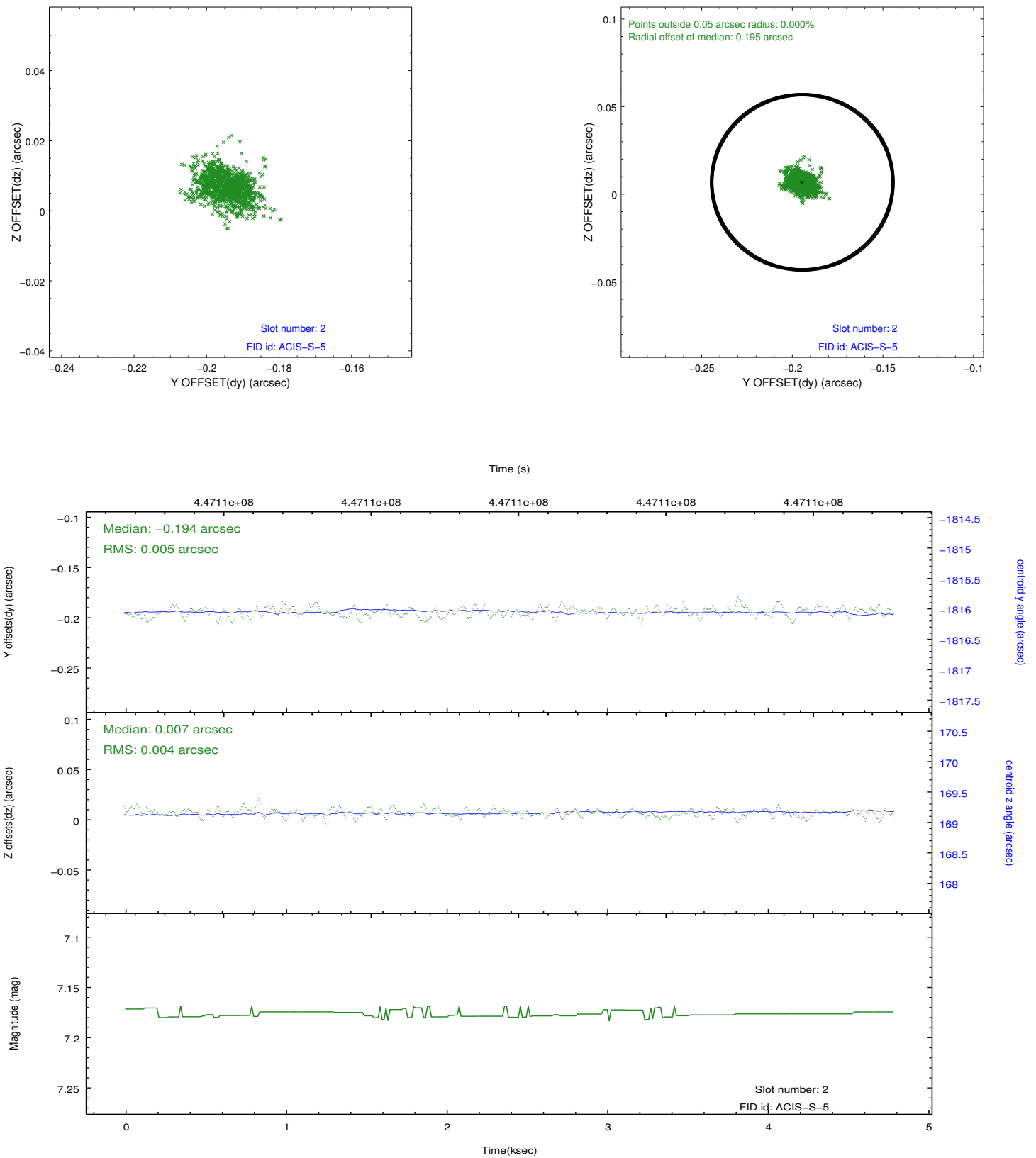
2.5.1 Slot 0



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)	2012.03.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.6686000359058

A.2 Comments