

V&V Reference Report

L2 ASCDS Version : 10.4.3

Observation 18110 - L2 Version 1
Chandra X-Ray Center

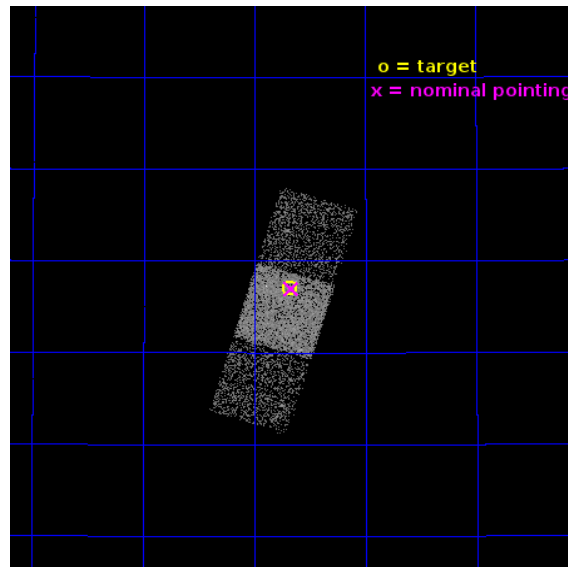
L2 Processing Date : Dec 17 2015

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

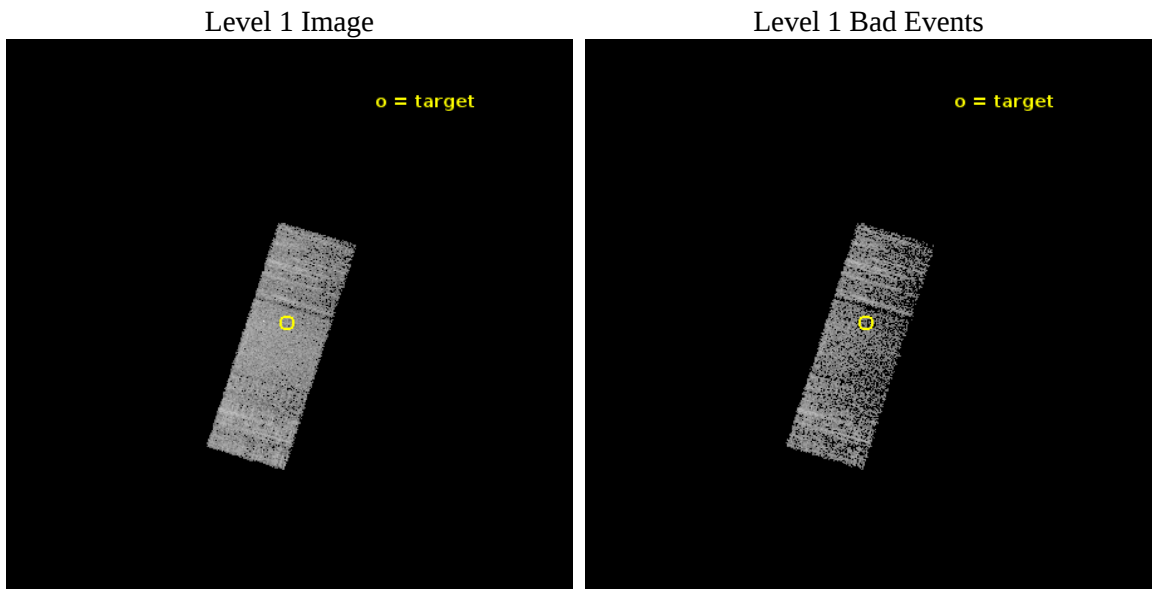
seq_num	703176	Sequence number
obs_id	18110	Observation id
title	Bridging the Gap Between Weak-Line and Typical Quasars	Proposal ti
observer	Prof. William Brandt	Principal investigator
object	SDSS J0800+3917	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	120.17	Observer's specified target RA [deg]
dec_targ	39.283444	Observer's specified target Dec [deg]
ra_nom	120.16708179216	Nominal RA [deg]
dec_nom	39.282694960015	Nominal Dec [deg]
roll_nom	107.11548421335	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3112.4000240564	Sum of GTIs [s]
livetime	3071.7342264266	Livetime [s]
ontime6	3112.4000240564	Sum of GTIs [s]
ontime7	3112.4000240564	Sum of GTIs [s]
ontime8	3112.4000240564	Sum of GTIs [s]
l2events	13047	Number of level 2 events



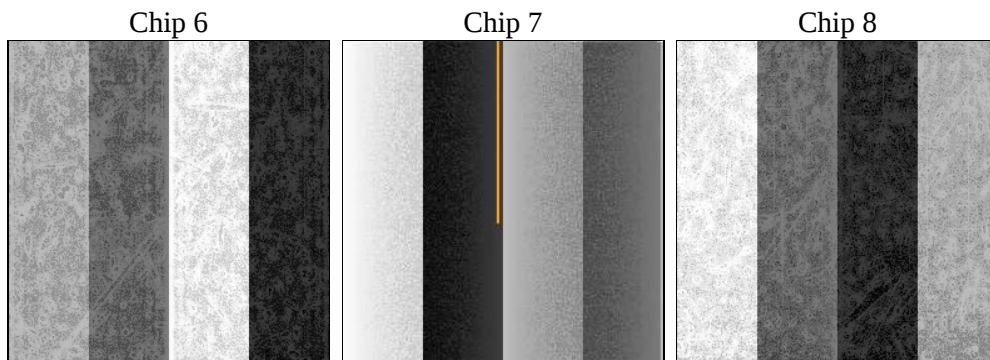
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3	Processing system revision	ontime	3112.4000240564	Sum of GTIs [s]
caldbver	4.7.0	 	ontime6	3112.4000240564	Sum of GTIs [s]
date	2015-12-17T16:13:20	Date and time of file creation	ontime7	3112.4000240564	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	3112.4000240564	Sum of GTIs [s]
			l1events	64287	Number of level 1 events

2.1.4 Events

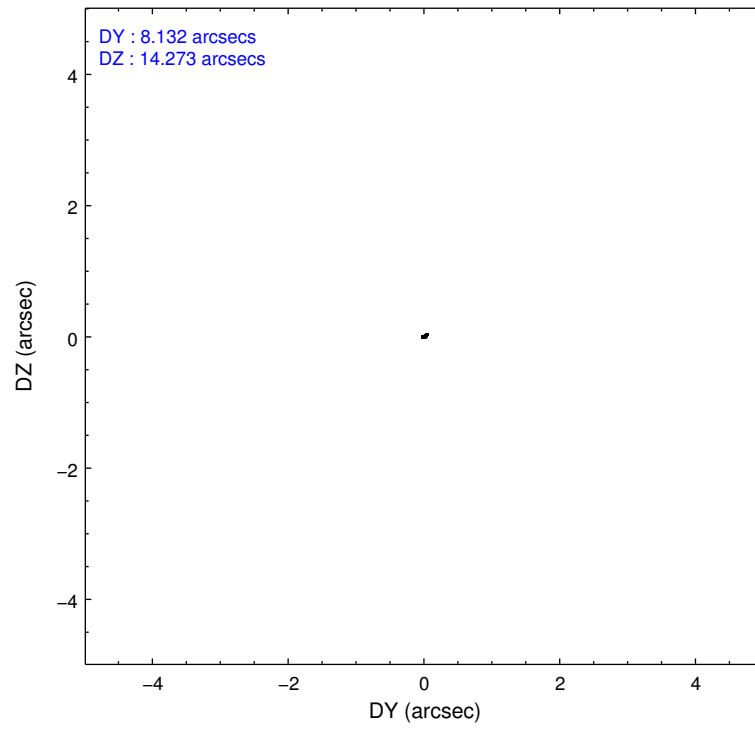
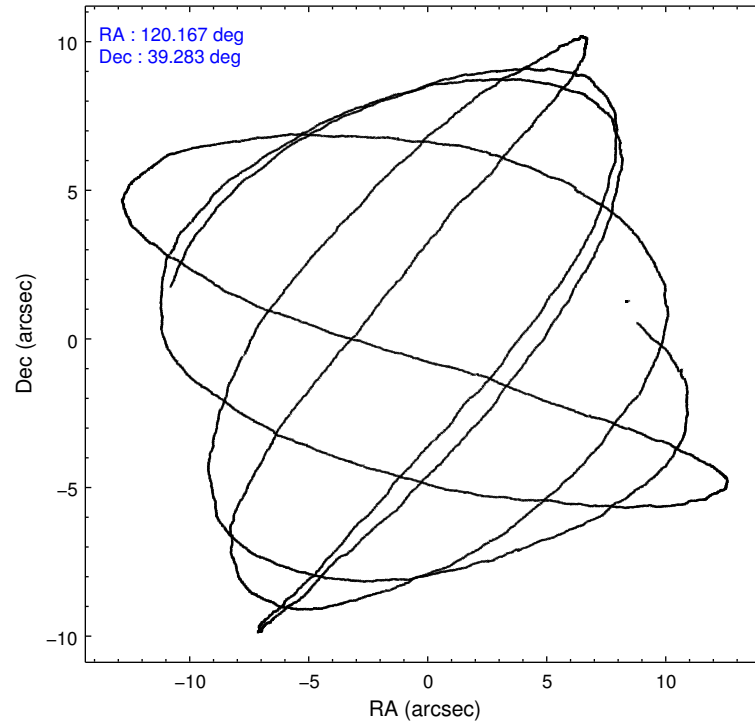
	ccd 6	ccd 7	ccd 8
level 1 events	17822	22847	23618
rejected events	15795	13182	17878
rejected %	88%	57%	75%

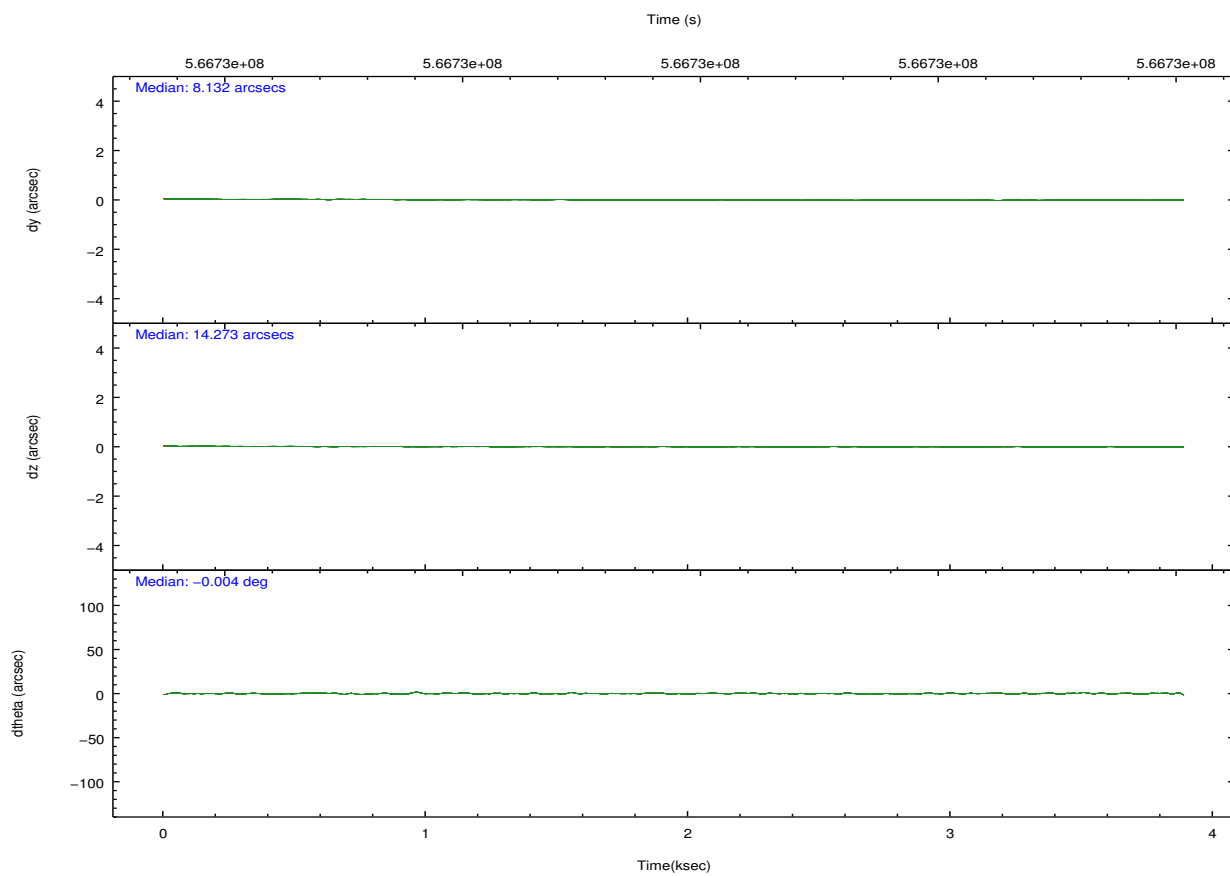
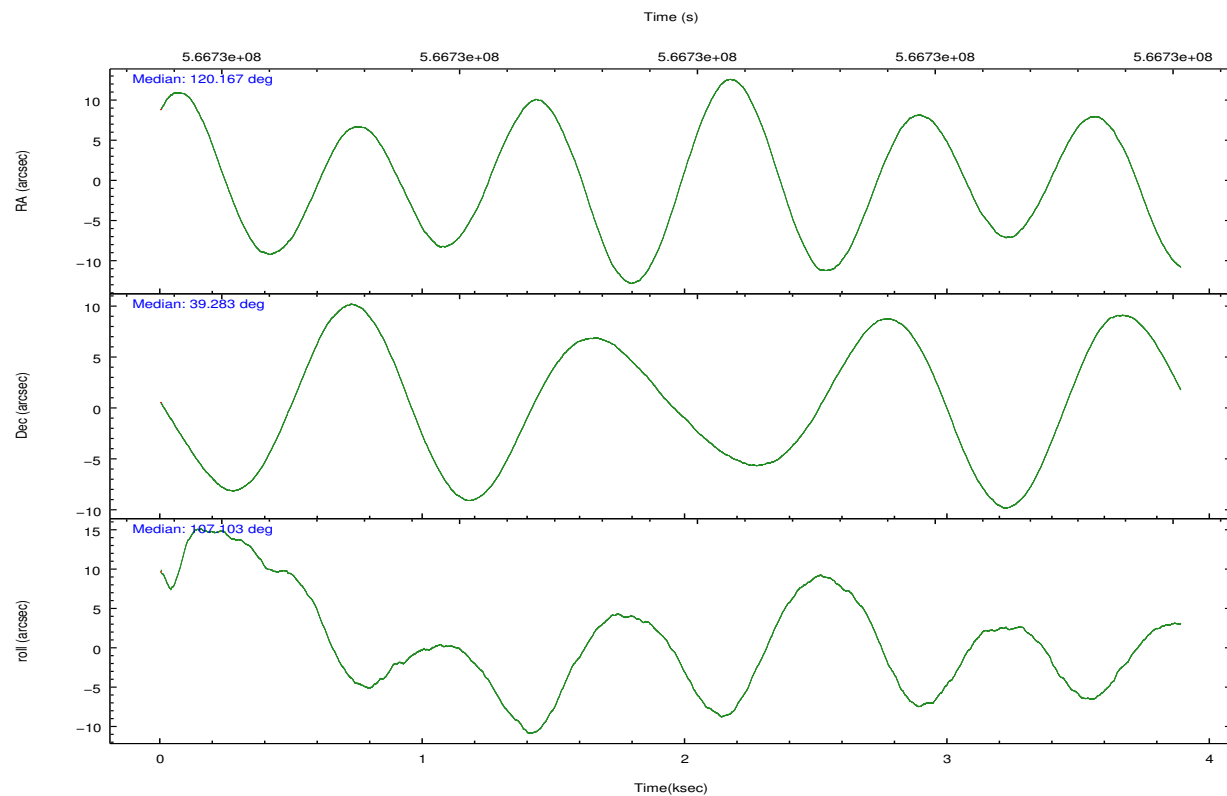
	ccd 6	ccd 7	ccd 8
grade 0 events	597	796	1656
	3%	3%	7%
grade 1 events	14	35	19
	0%	0%	0%
grade 2 events	537	2054	1364
	3%	8%	5%
grade 3 events	176	743	626
	0%	3%	2%
grade 4 events	194	708	561
	1%	3%	2%
grade 5 events	724	2157	1167
	4%	9%	4%
grade 6 events	525	5383	1541
	2%	23%	6%
grade 7 events	15055	10971	16684
	84%	48%	70%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	120.193358	120.167081792156	Subarray requested	NONE	NONE
[deg] Pointing Dec	39.264288	39.2826949600155	Alternating exposures requested	N	N
[deg] Pointing Roll	106.942212	107.1154842133535	[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)	566728827.184000	566727639.3930399			
Observation start date	2015-12-17T08:39:19	2015-12-17T08:20:39			
[s] Observation end time (MET)	566731827.184000	566732440.49331			
Observation end date	2015-12-17T09:29:19	2015-12-17T09:40:40			
Read mode	TIMED	TIMED			

2.3 Aspect



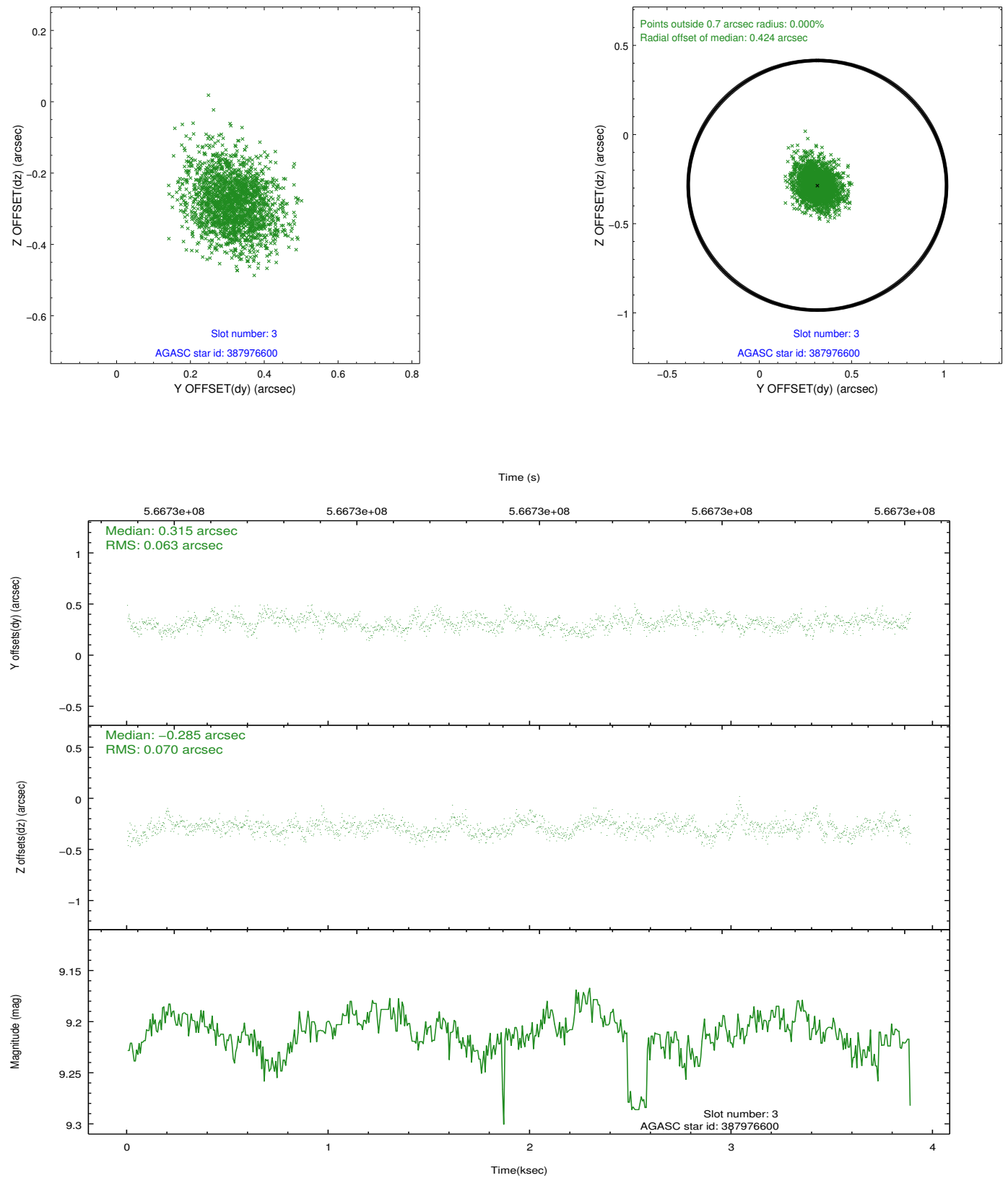


Slot Statistics

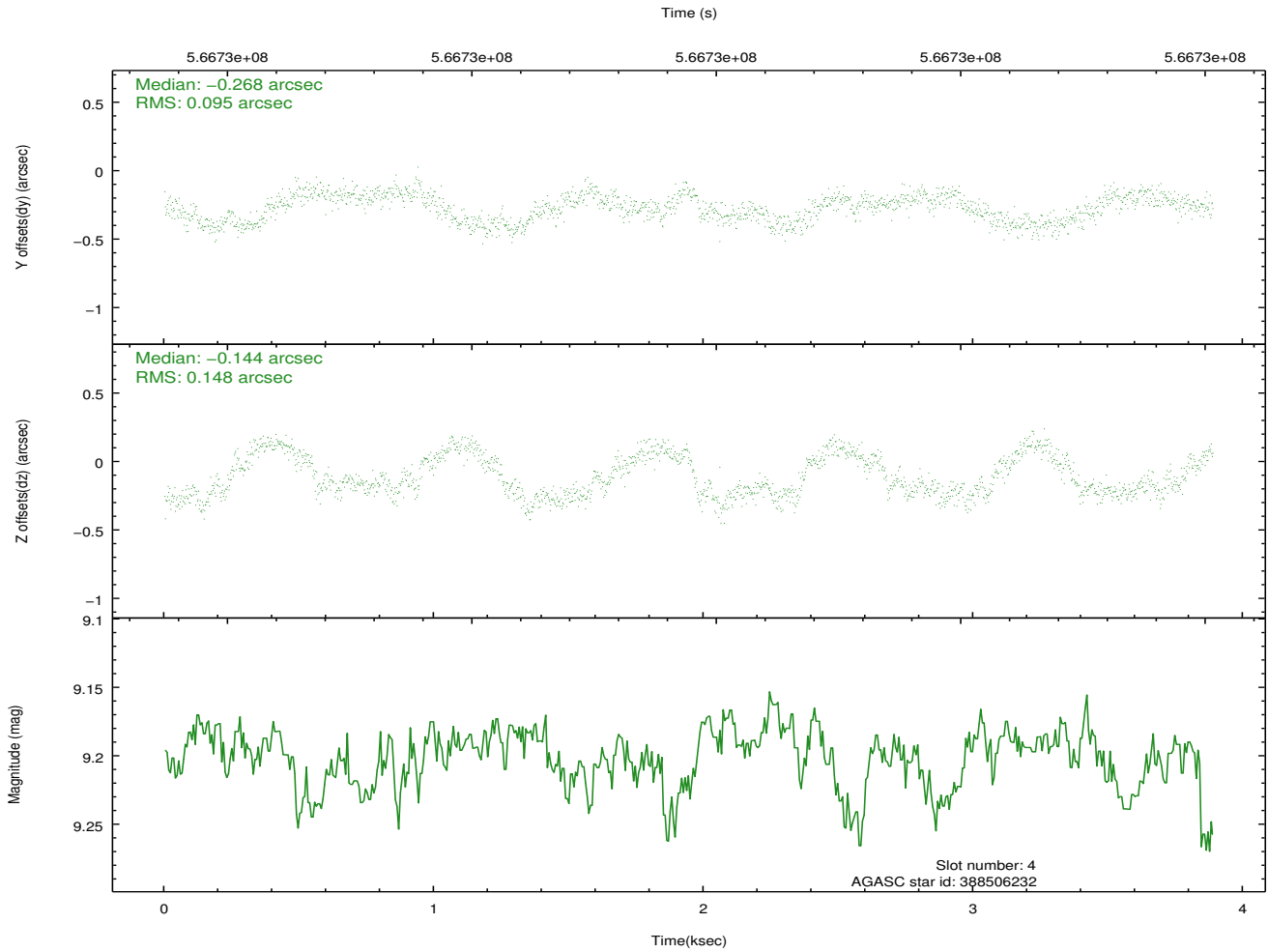
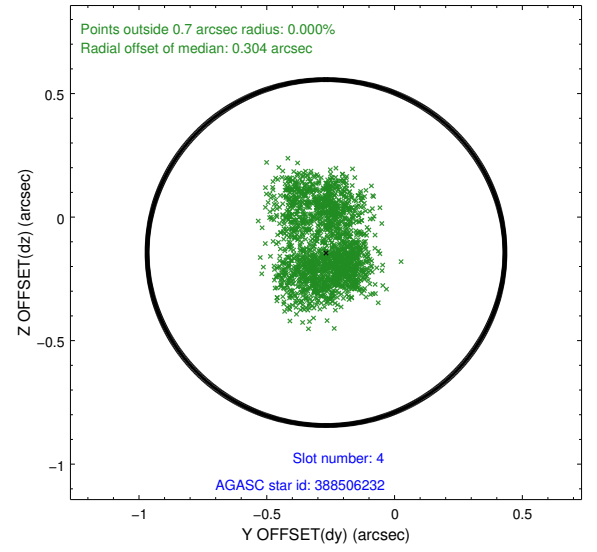
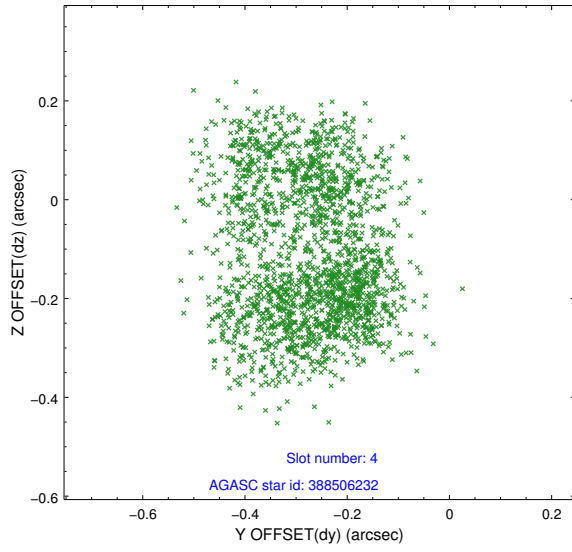
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.15	949	-0.185	-0.115	0.005	0.009	0.000000	0.000000	-761.11	-1735.74
1	FID		ACIS-S-4	7.25	949	0.218	0.102	0.006	0.010	0.000000	0.000000	2151.85	171.27
2	FID		ACIS-S-6	7.39	949	-0.060	0.021	0.007	0.011	0.000000	0.000000	403.08	810.42
3	GUIDE	used	387976600	9.21	1893	0.315	-0.285	0.100	0.167	119.530874	38.839582	-916.30	2221.01
4	GUIDE	used	388506232	9.20	1892	-0.268	-0.144	0.190	0.293	119.713263	39.447115	1021.15	1085.11
5	GUIDE	used	389678848	9.23	1894	0.100	0.019	0.144	0.227	120.395990	39.859945	1889.65	-1159.28
6	GUIDE	used	389684336	9.11	1896	-0.001	0.322	0.110	0.172	120.279566	39.370078	295.92	-340.75
7	GUIDE	used	389691024	7.31	1896	-0.125	0.063	0.146	0.209	120.231493	39.910250	2194.31	-778.30

2.4 Star Slots

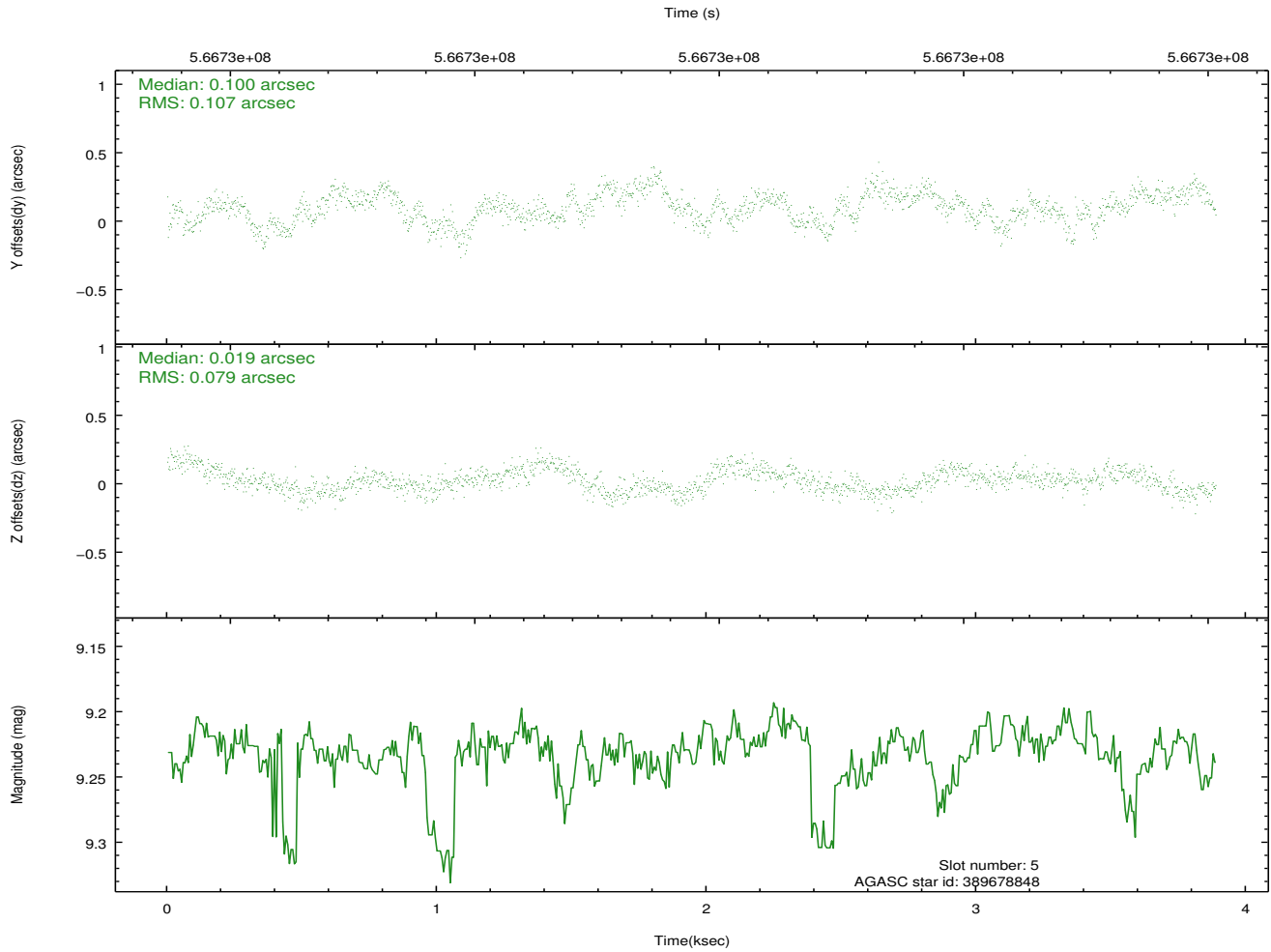
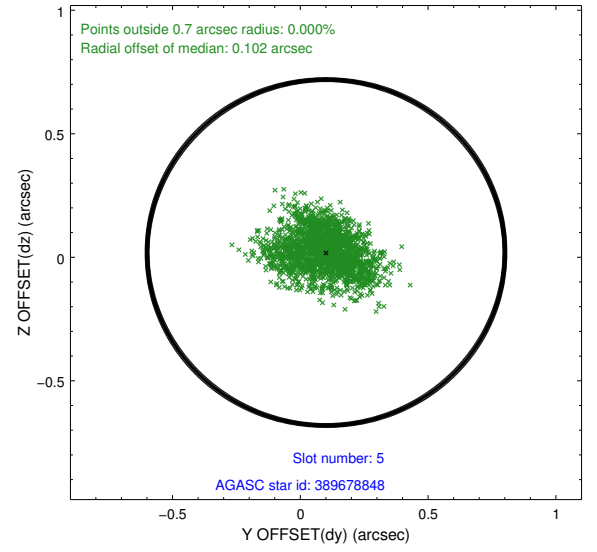
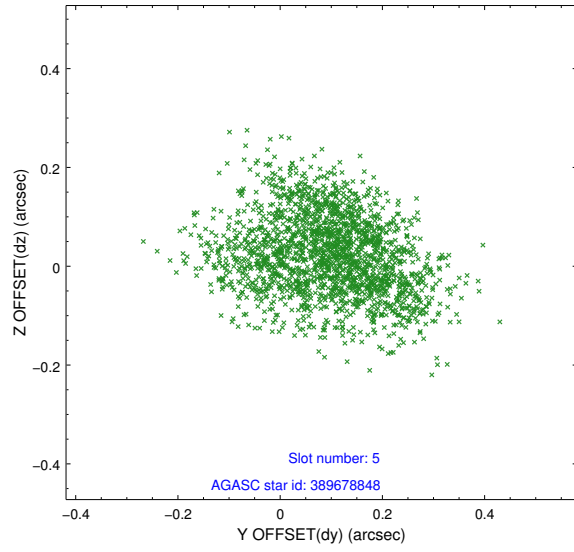
2.4.1 Slot 3



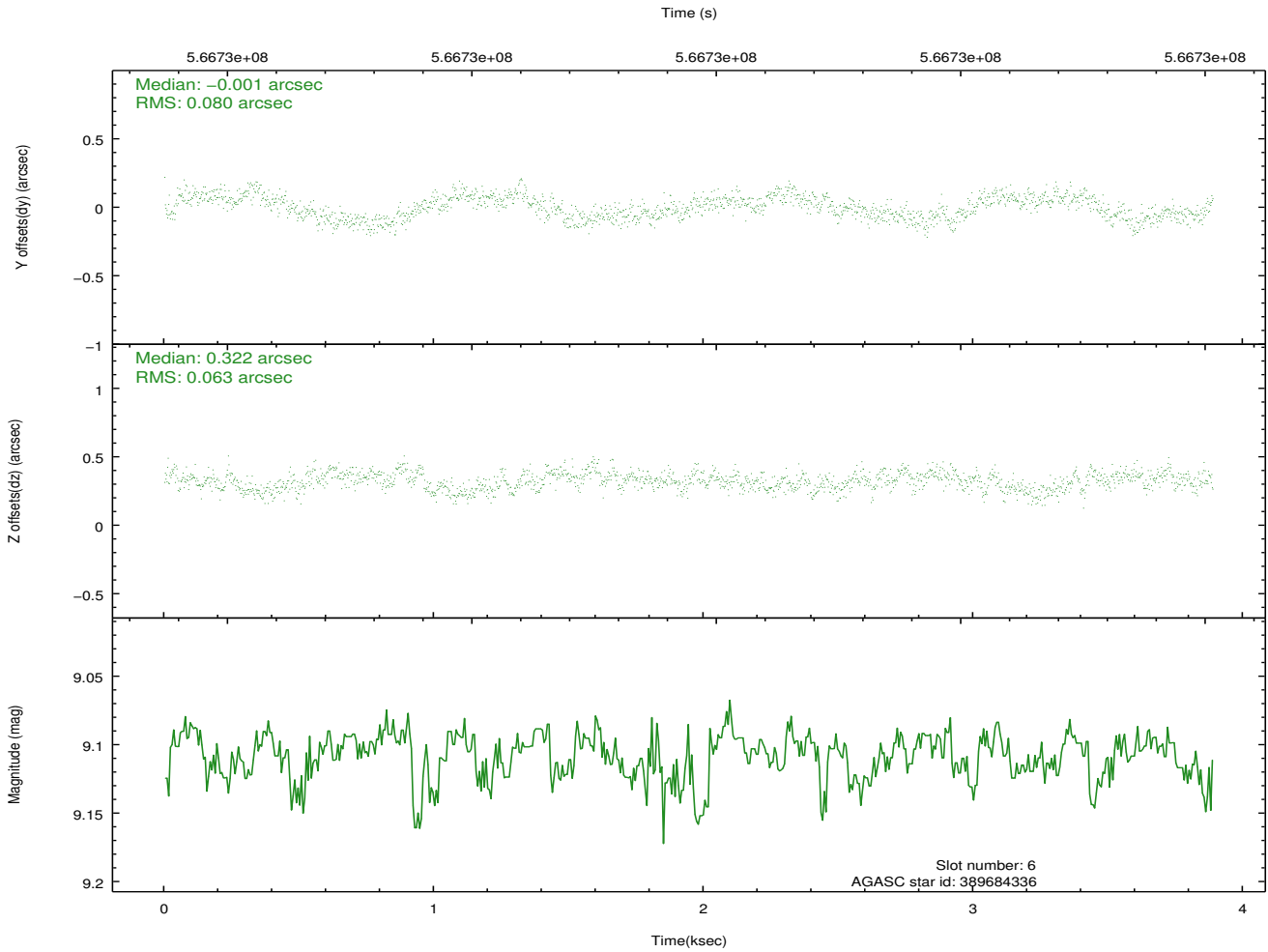
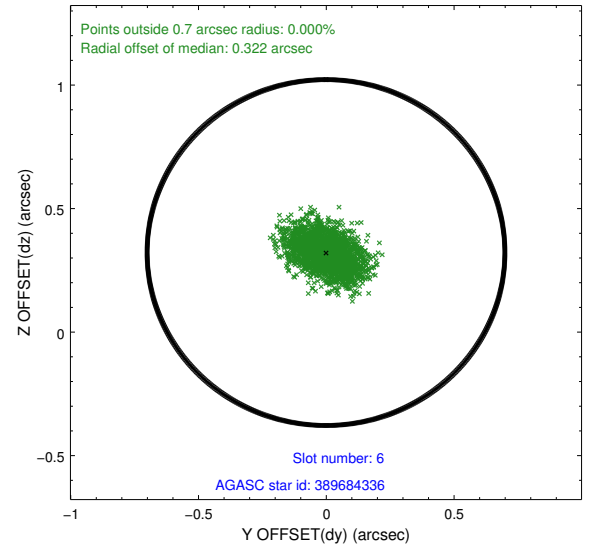
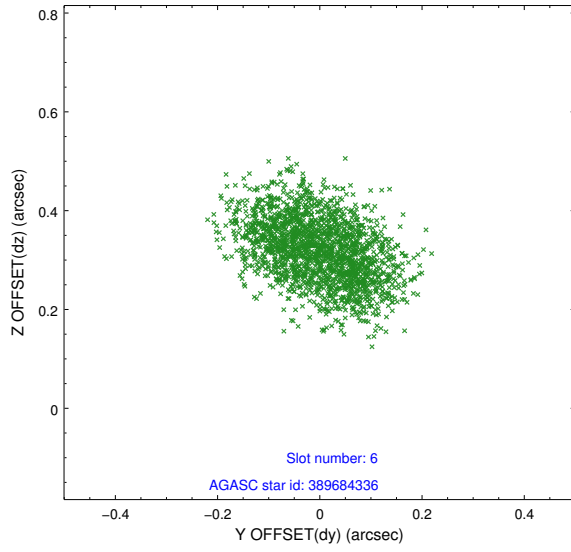
2.4.2 Slot 4



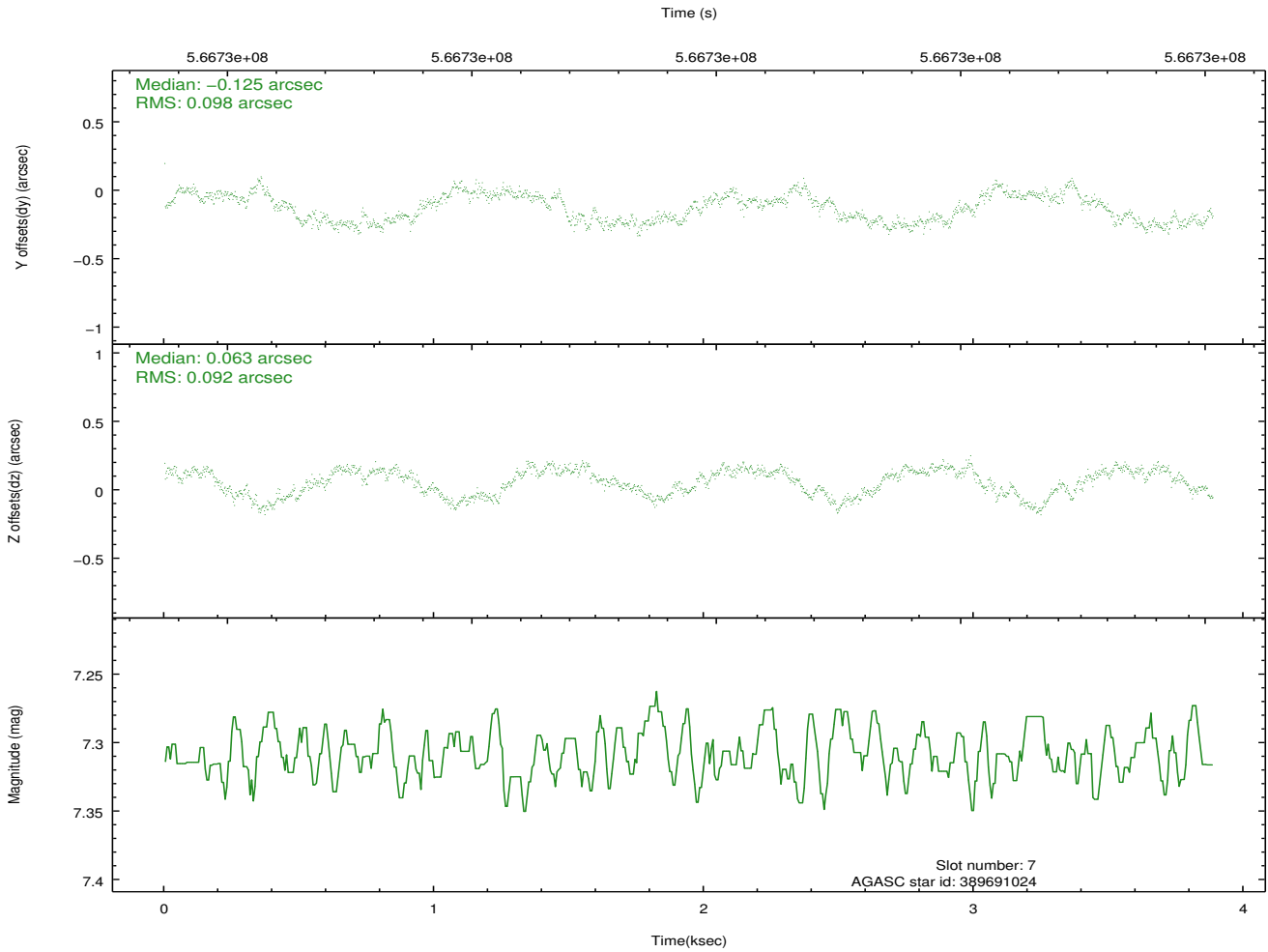
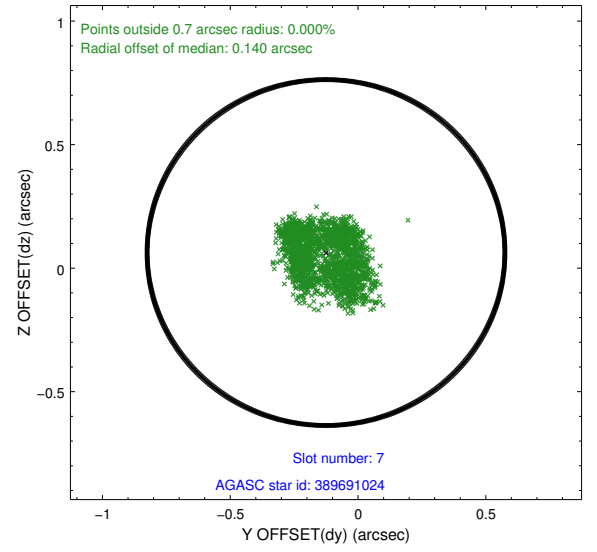
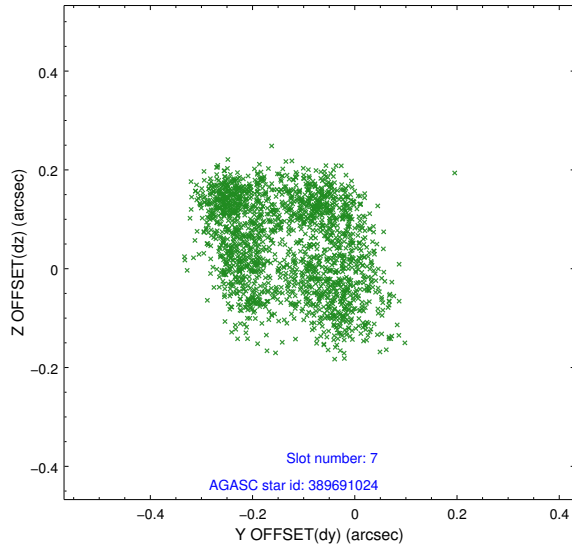
2.4.3 Slot 5



2.4.4 Slot 6

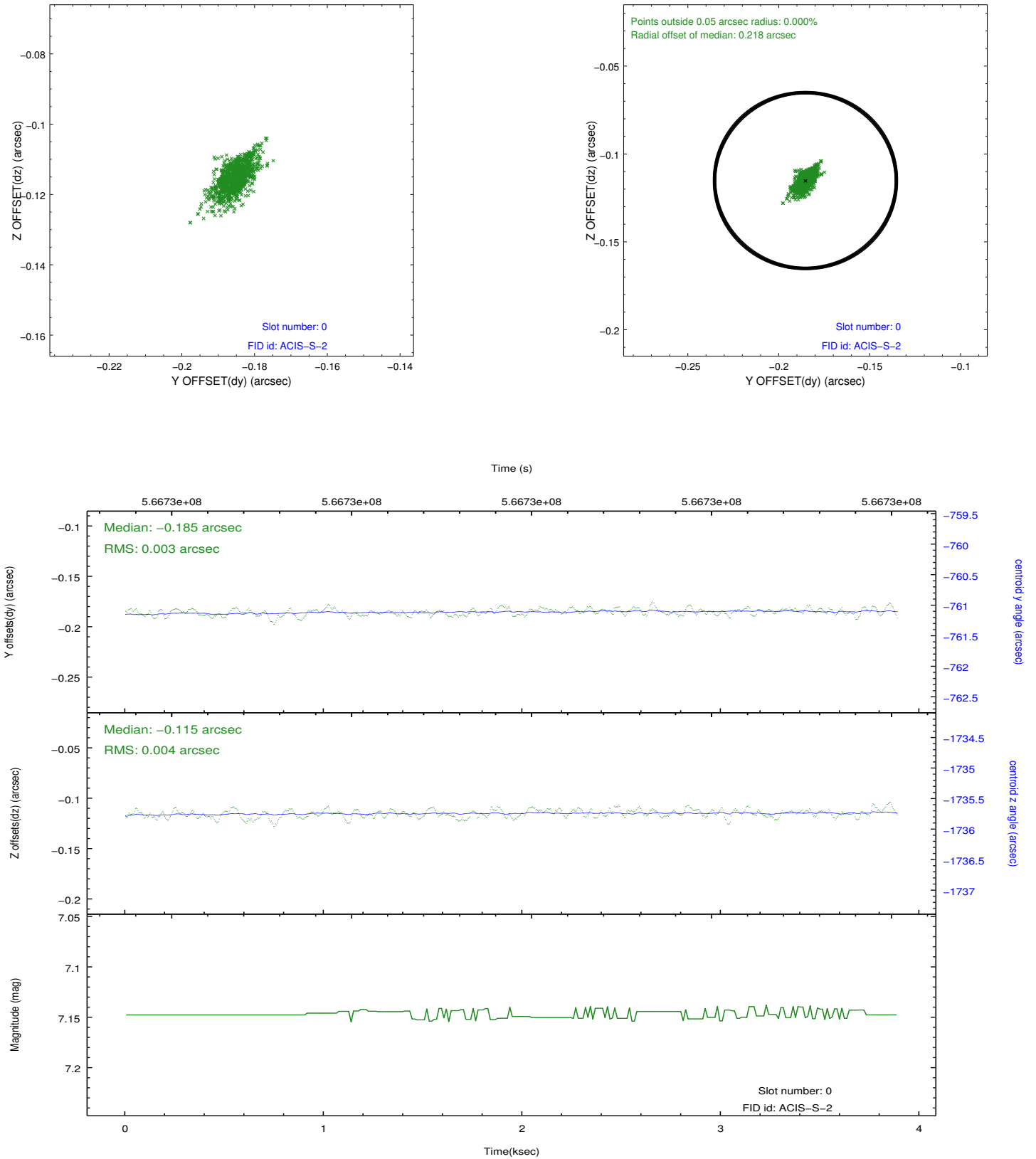


2.4.5 Slot 7

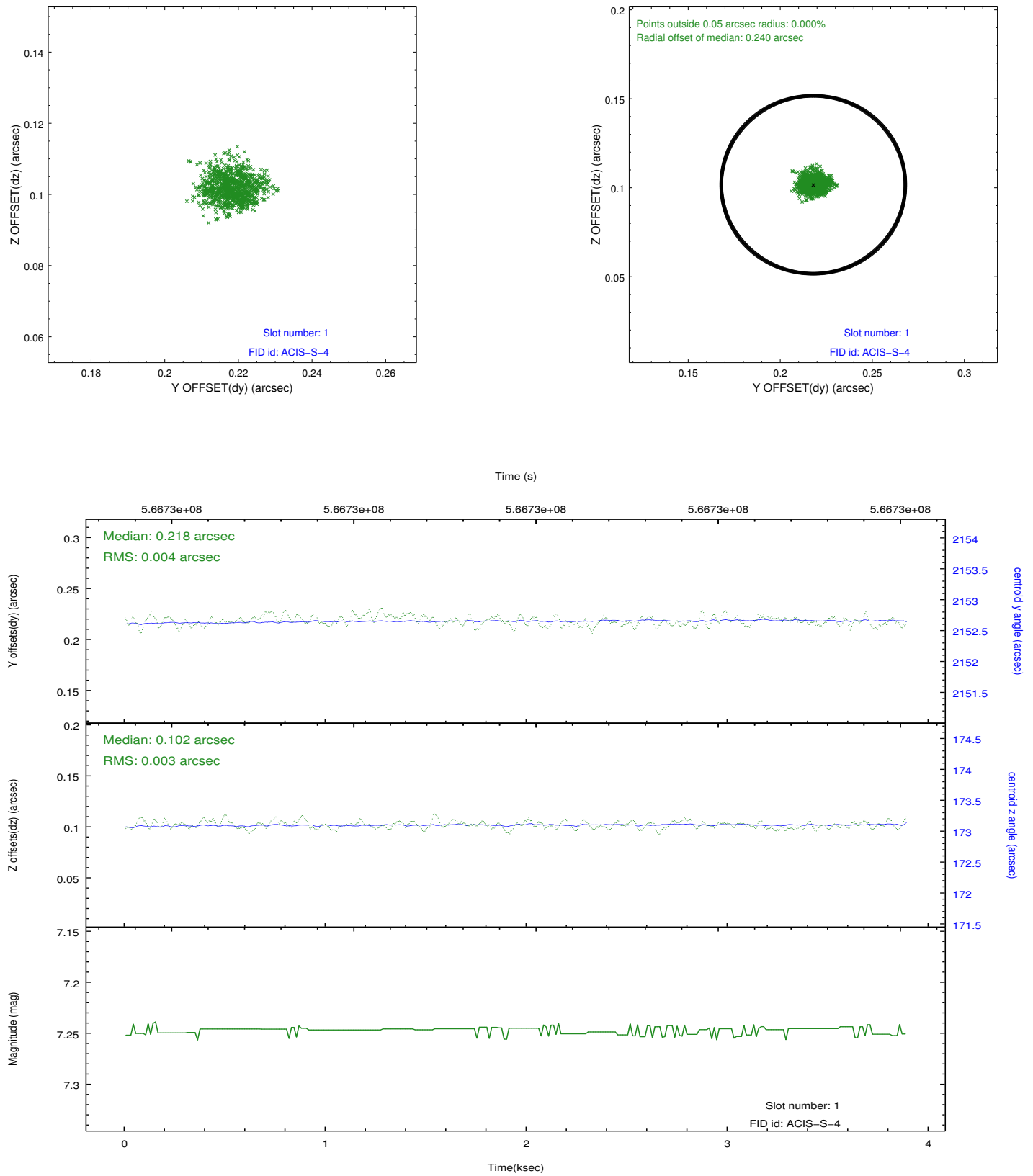


2.5 FID Slots

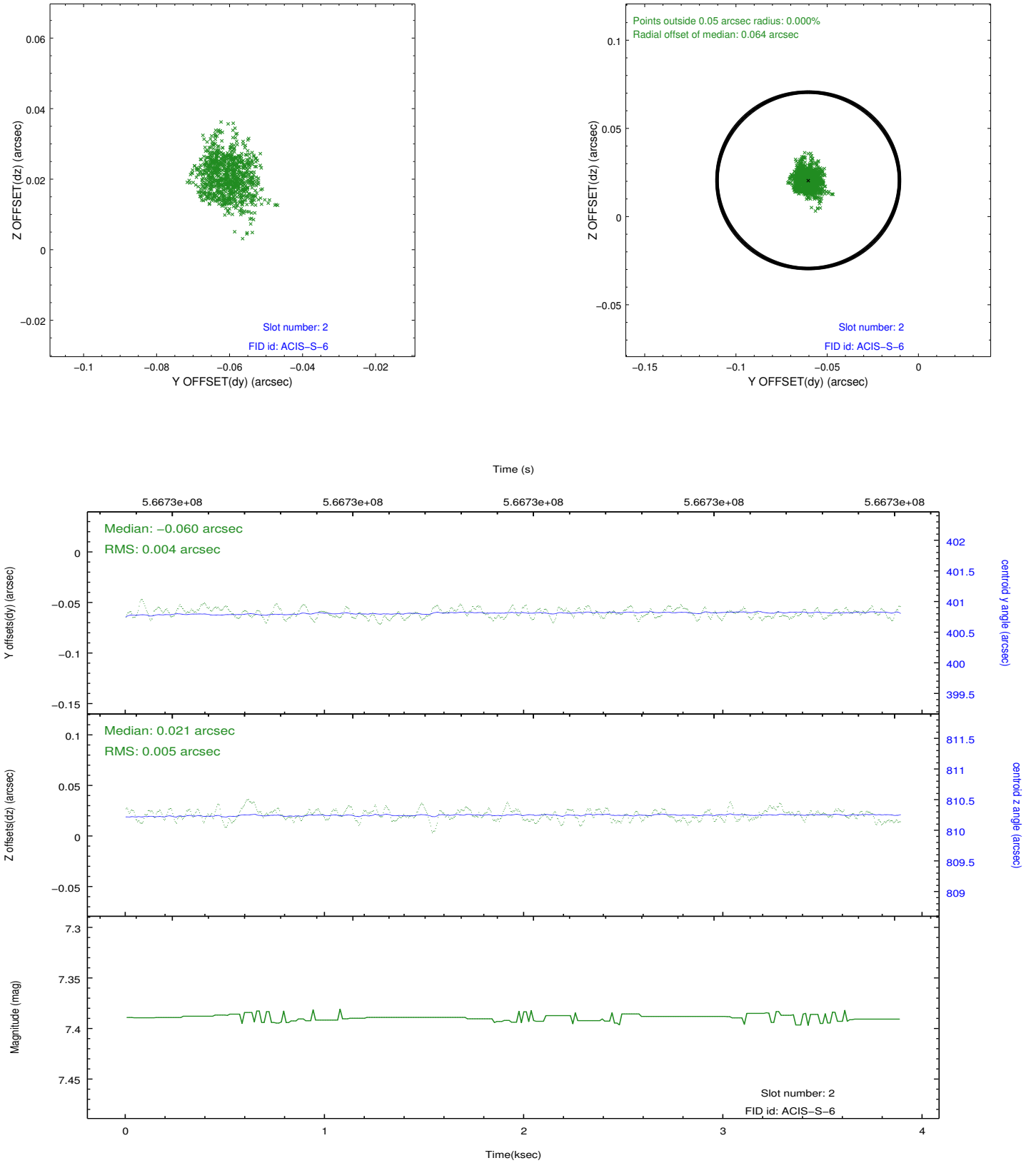
2.5.1 Slot 0



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)	2015.12.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1124000240564

A.2 Comments