

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 13338 - L2 Version 1
Chandra X-Ray Center

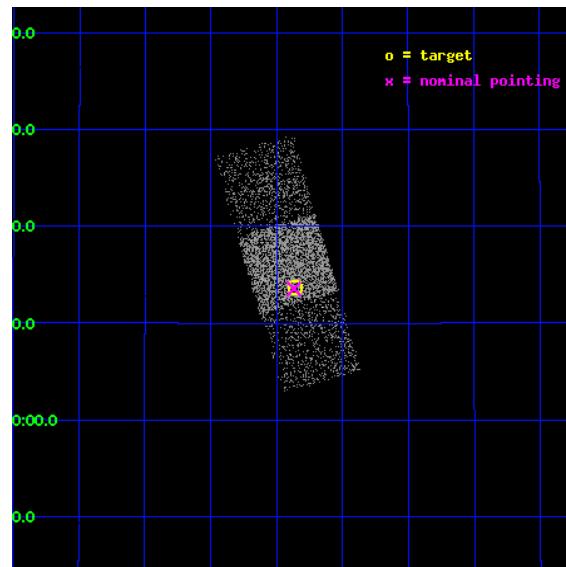
L2 Processing Date : Jul 3 2012

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

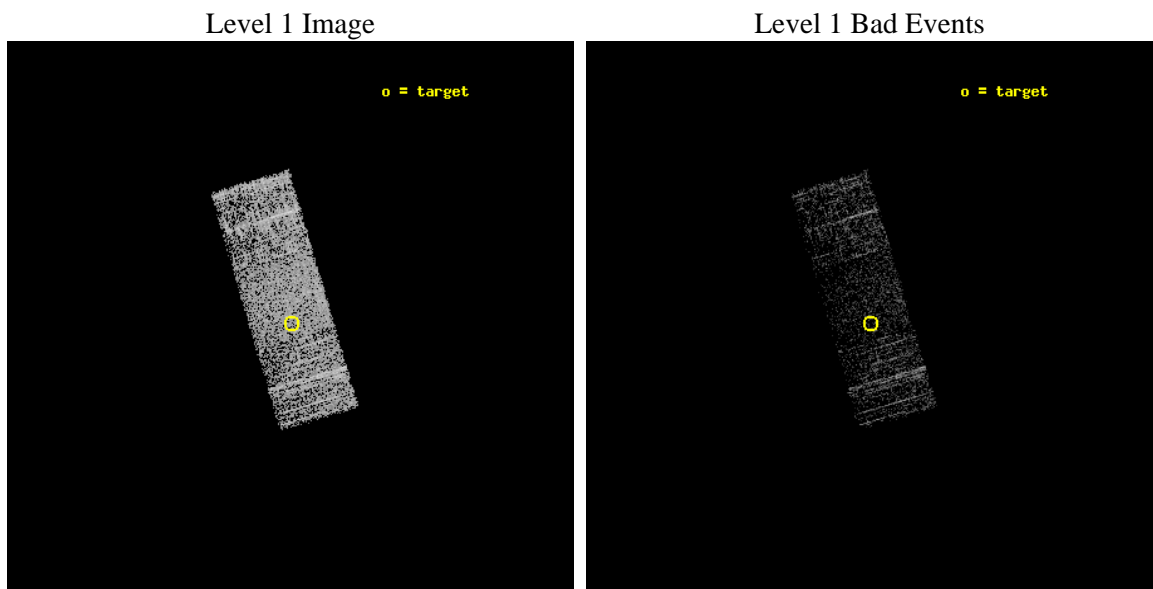
seq_num	702545	Sequence number
obs_id	13338	Observation id
title	A Large, Economical Snapshot Survey of the Most-Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	SDSS J1148+2313	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	177.214583	Observer's specified target RA [deg]
dec_targ	23.227889	Observer's specified target Dec [deg]
ra_nom	177.21708198922	Nominal RA [deg]
dec_nom	23.2258535138	Nominal Dec [deg]
roll_nom	253.45914105729	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1581.0000121593	Sum of GTIs [s]
livetime	1560.3430830852	Livetime [s]
ontime6	1581.0000121593	Sum of GTIs [s]
ontime7	1581.0000121593	Sum of GTIs [s]
ontime8	1581.0000121593	Sum of GTIs [s]
l2events	6305	Number of level 2 events



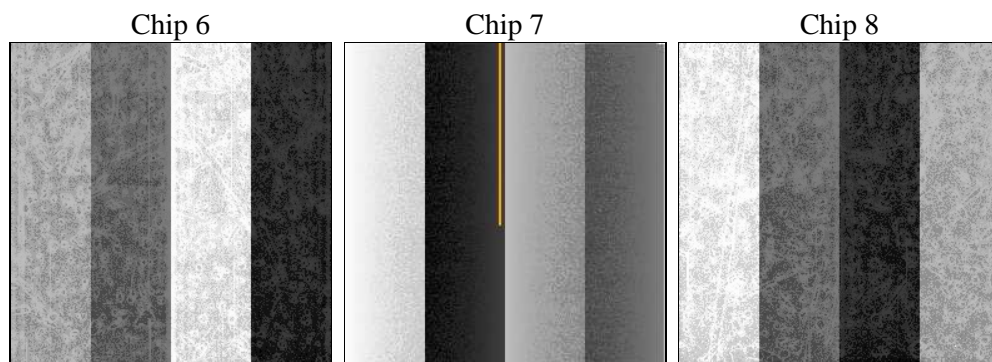
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	1500.988000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1581.0000121593	Sum of GTIs [s]
caldsver	4.5.0	 	ontime6	1581.0000121593	Sum of GTIs [s]
date	2012-07-03T05:07:40	Date and time of file creation	ontime7	1581.0000121593	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	1581.0000121593	Sum of GTIs [s]
			l1events	28708	Number of level 1 events

2.1.4 Events

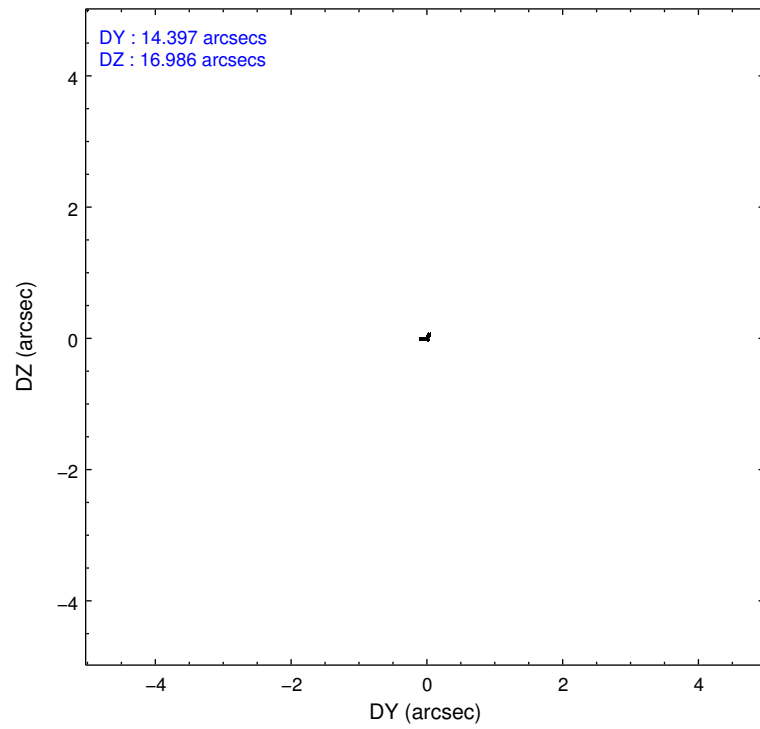
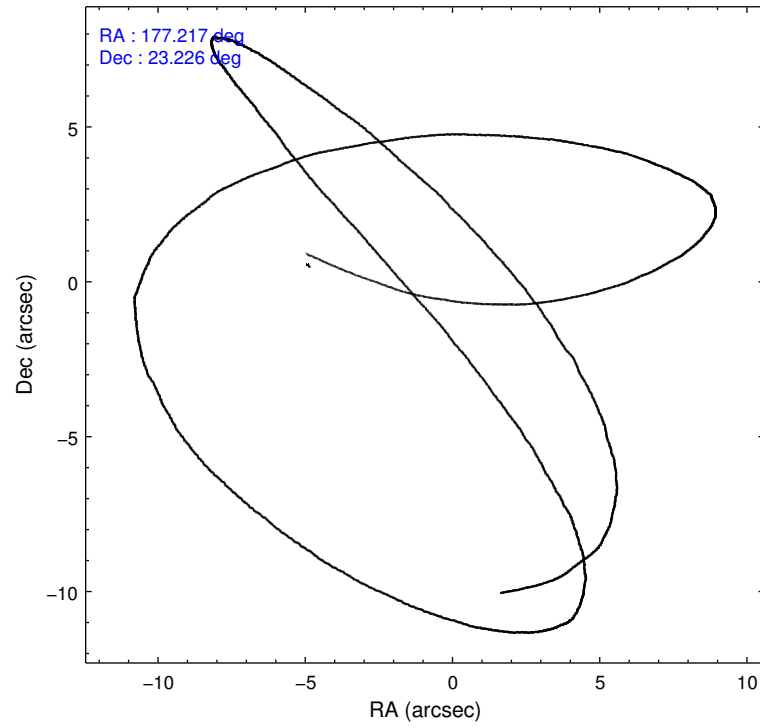
	ccd 6	ccd 7	ccd 8
level 1 events	8950	9384	10374
rejected events	7849	4865	7545
rejected %	87%	51%	72%

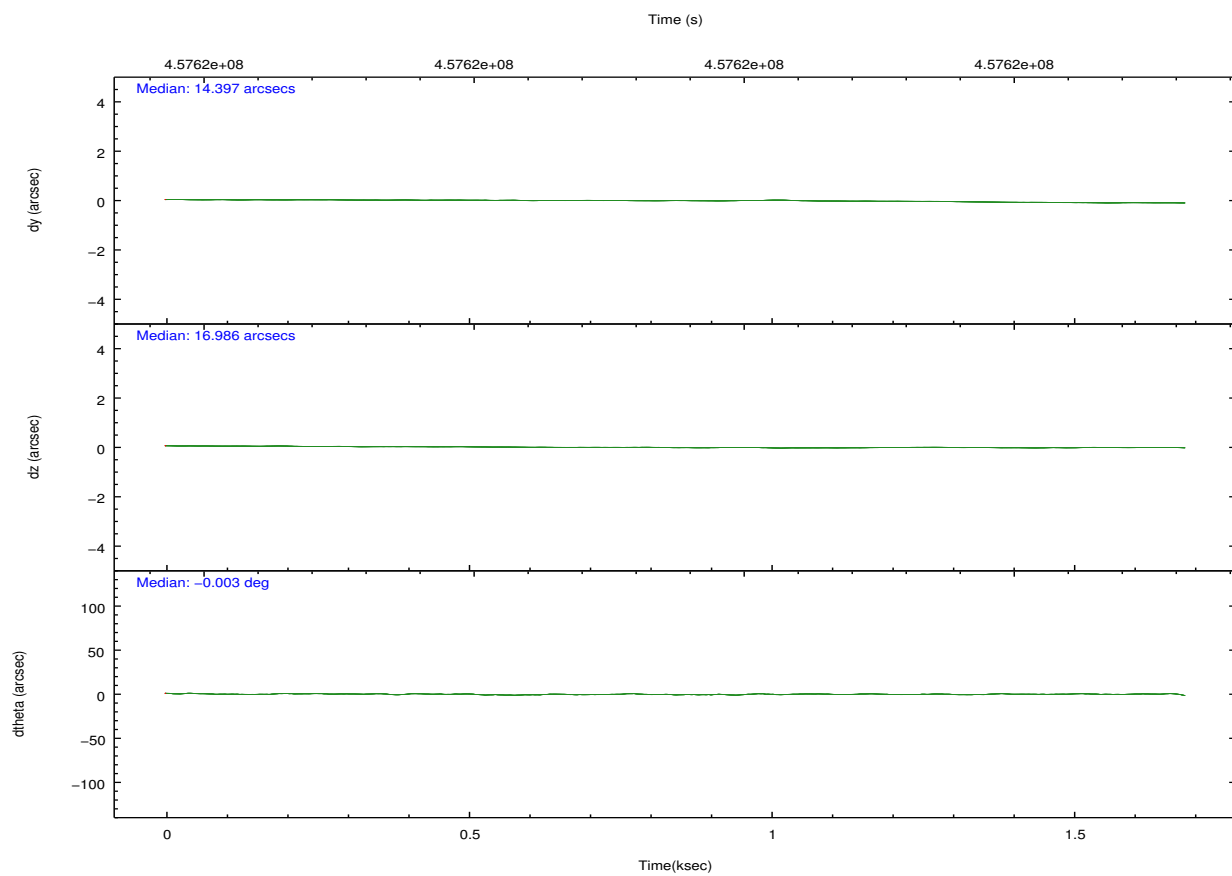
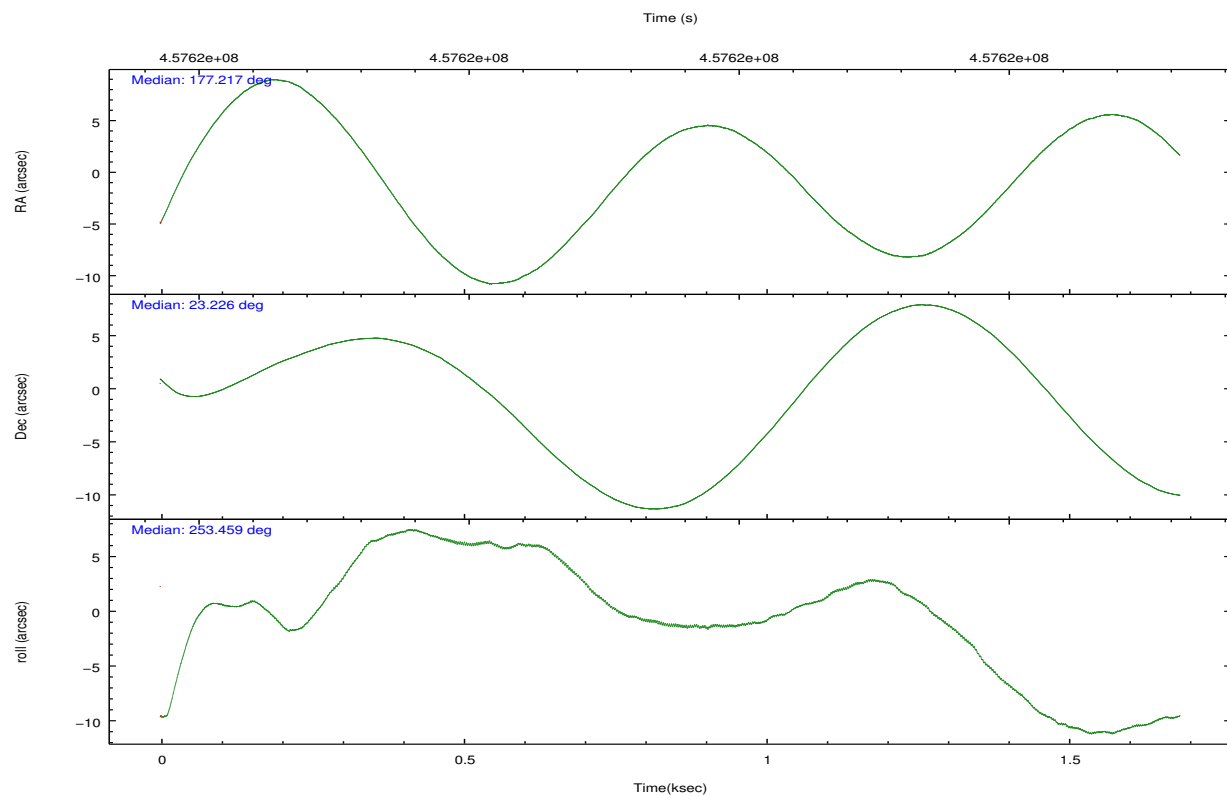
	ccd 6	ccd 7	ccd 8
grade 0 events	438	486	803
	4%	5%	7%
grade 1 events	10	11	12
	0%	0%	0%
grade 2 events	241	997	719
	2%	10%	6%
grade 3 events	96	410	295
	1%	4%	2%
grade 4 events	103	368	241
	1%	3%	2%
grade 5 events	353	1073	535
	3%	11%	5%
grade 6 events	227	2265	777
	2%	24%	7%
grade 7 events	7482	3774	6992
	83%	40%	67%

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	177.209425	177.217081989224	Subarray requested	NONE	NONE
[deg] Pointing Dec	23.252101	23.22585351380012	Alternating exposures requested	N	N
[deg] Pointing Roll	253.305618	253.4591410572887	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	457621207.184000	457620143.32092			
Observation start date	2012-07-02T12:59:00	2012-07-02T12:42:23			
[s] Observation end time (MET)	457622708.184000	457622936.95857			
Observation end date	2012-07-02T13:24:01	2012-07-02T13:28:56			
Read mode	TIMED	TIMED			

2.3 Aspect



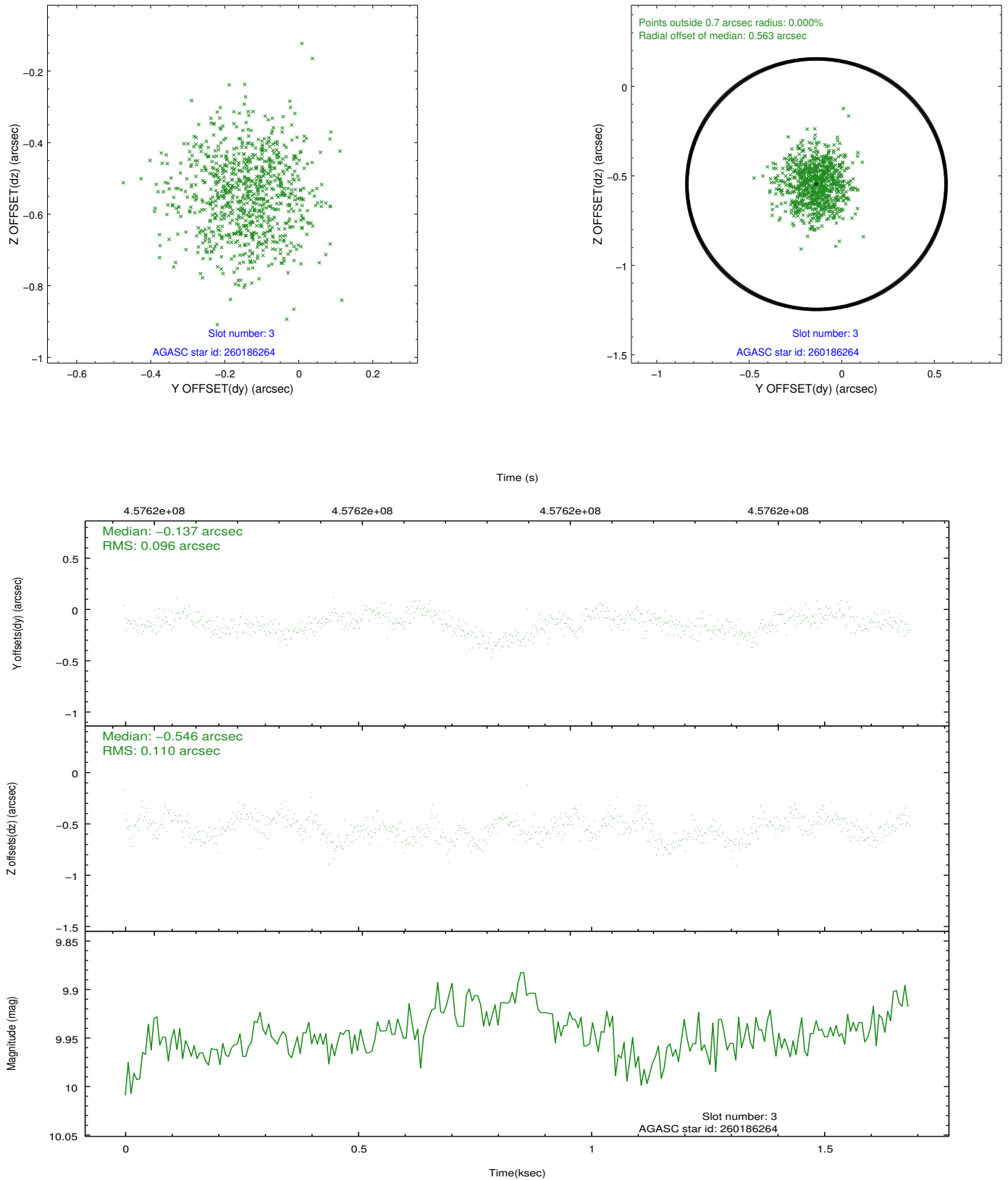


Slot Statistics

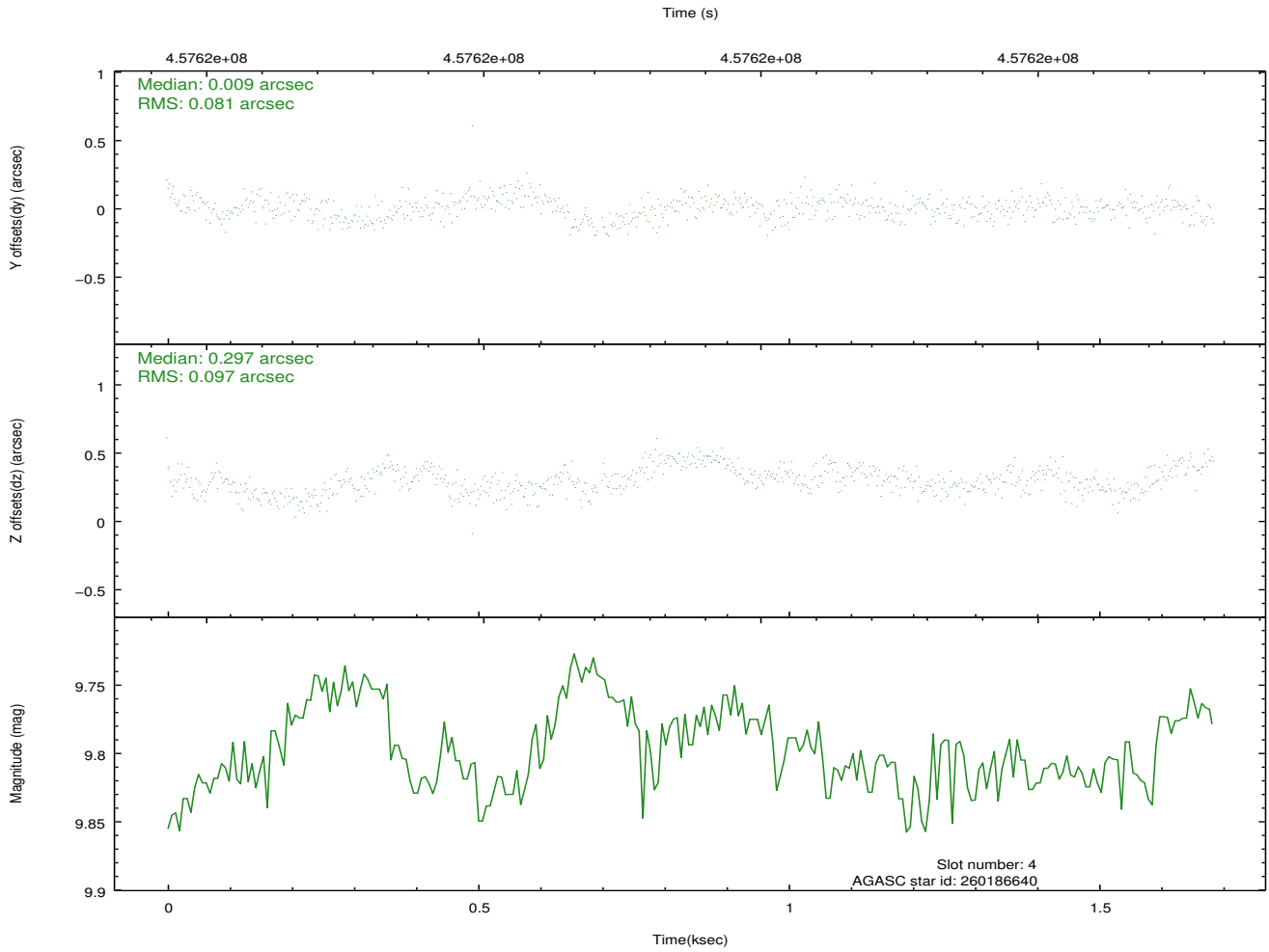
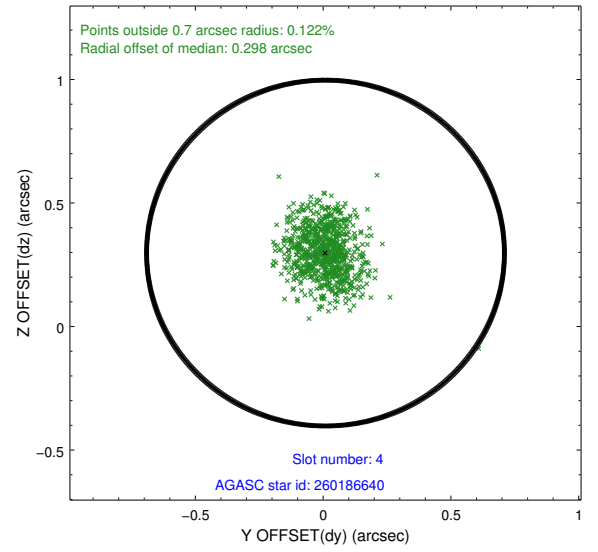
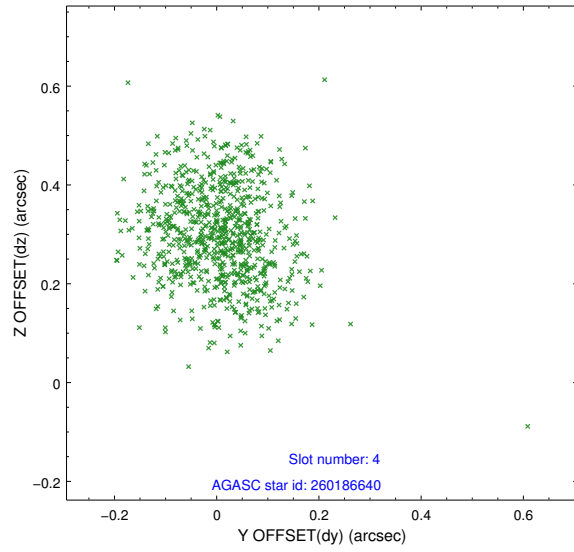
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.90	412	-0.076	-0.024	0.006	0.010	0.000000	0.000000	-767.45	-1738.38
1	FID	ACIS-S-4	6.98	412	0.229	0.043	0.006	0.011	0.000000	0.000000	2144.38	166.05
2	FID	ACIS-S-5	7.02	412	-0.185	-0.010	0.007	0.011	0.000000	0.000000	-1815.36	164.19
3	GUIDE	260186264	9.95	823	-0.137	-0.546	0.157	0.248	177.713369	22.935791	609.54	1925.46
4	GUIDE	260186640	9.80	818	0.009	0.297	0.135	0.208	176.898277	22.985190	1218.04	-710.00
5	GUIDE	260187384	7.14	823	-0.050	-0.032	0.059	0.103	176.753788	23.720474	-1182.71	-1925.98
6	GUIDE	260188752	9.32	822	0.315	0.039	0.124	0.206	176.693528	23.406933	-46.41	-1795.85
7	GUIDE	260182368	9.80	822	-0.127	0.253	0.155	0.242	176.680337	23.977975	-2004.66	-2421.30

2.4 Star Slots

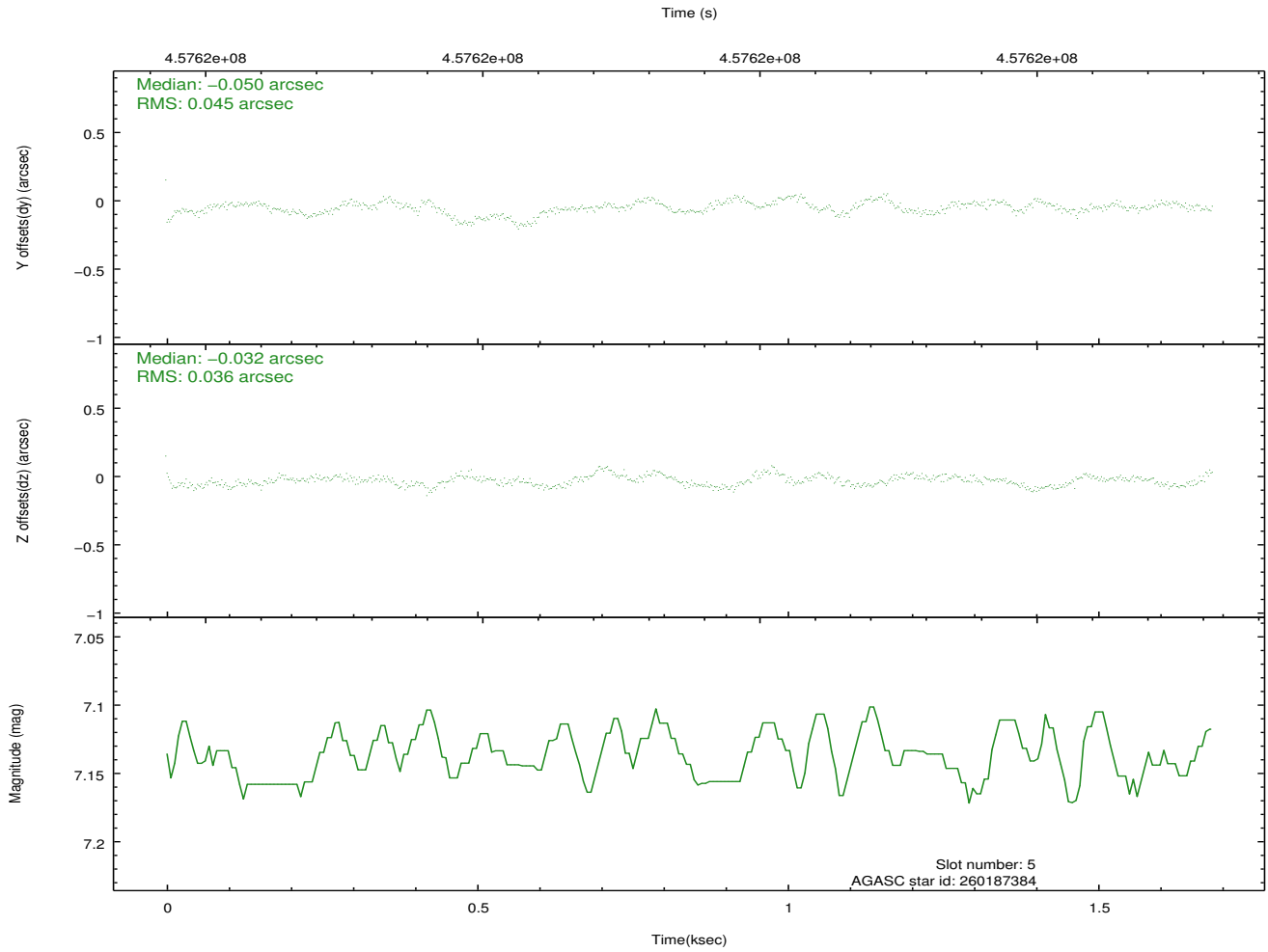
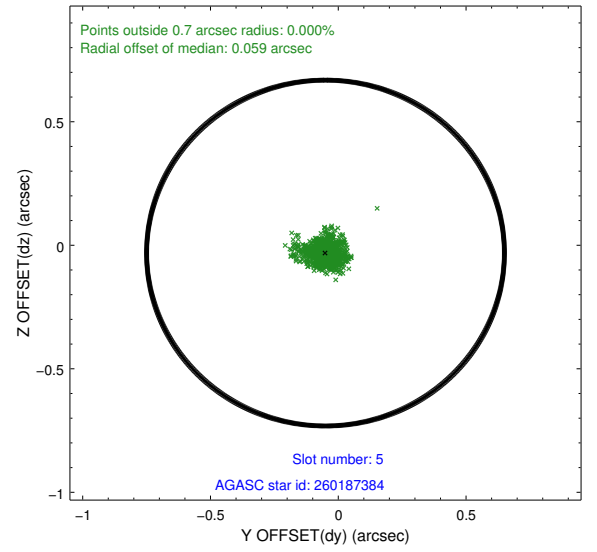
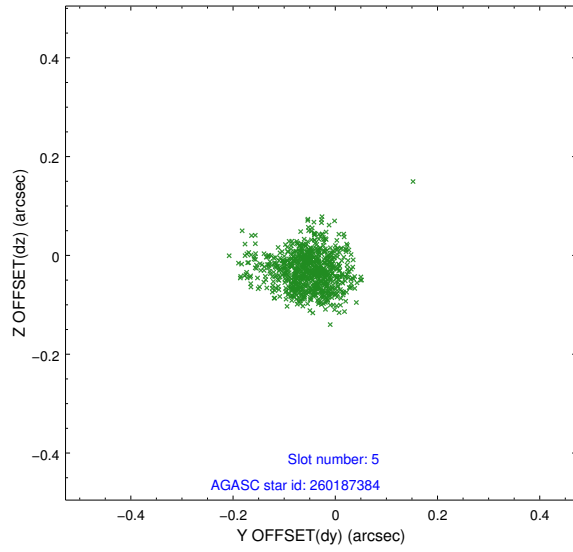
2.4.1 Slot 3



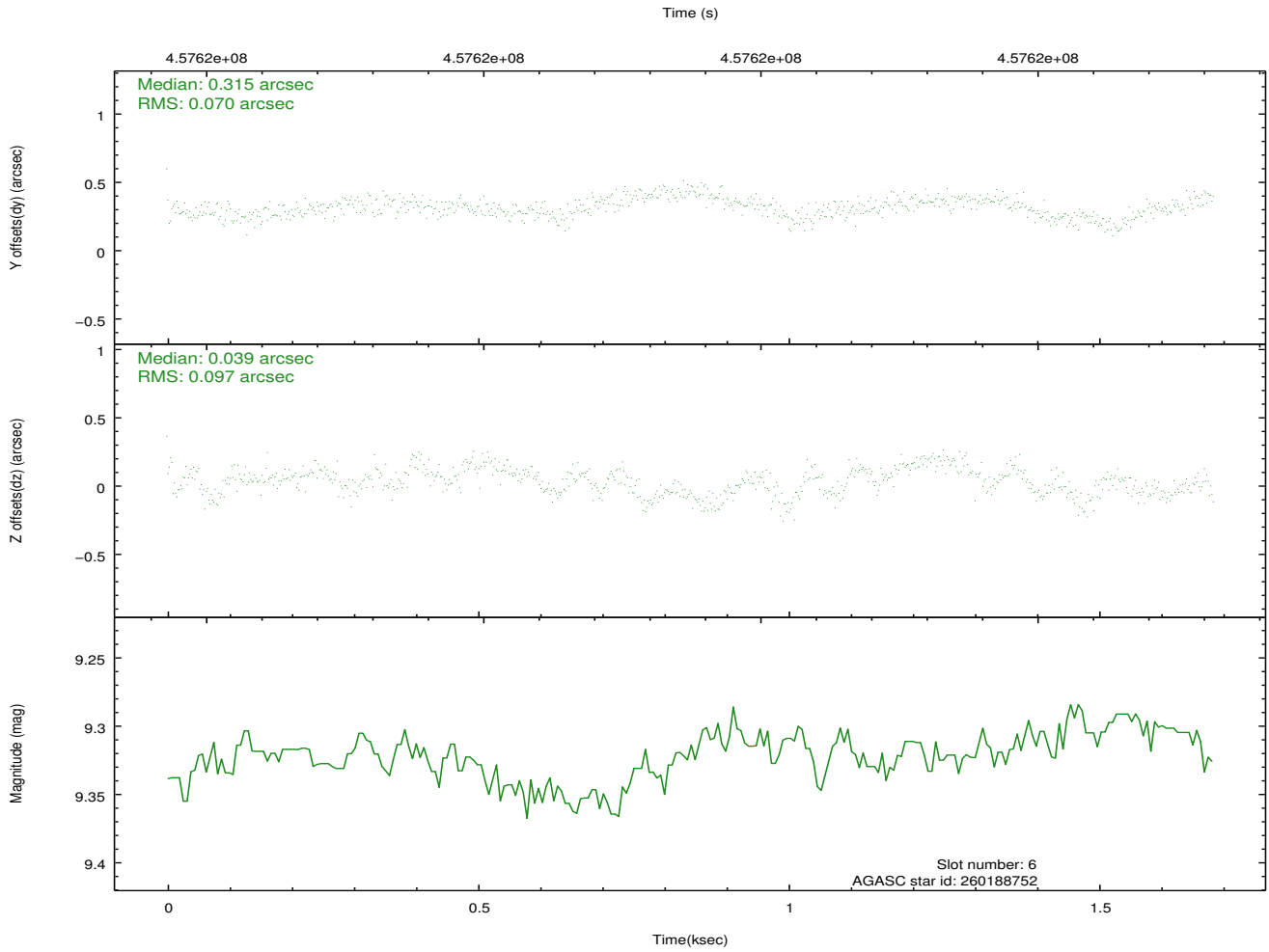
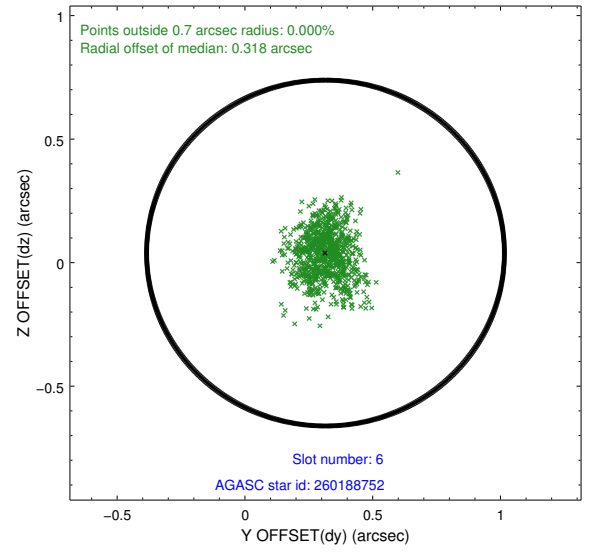
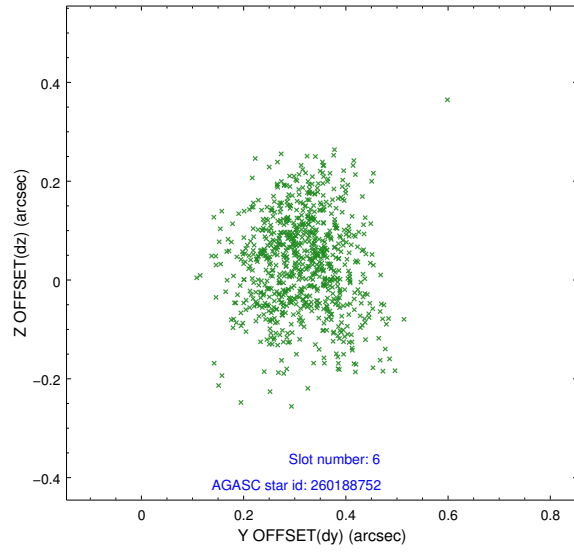
2.4.2 Slot 4



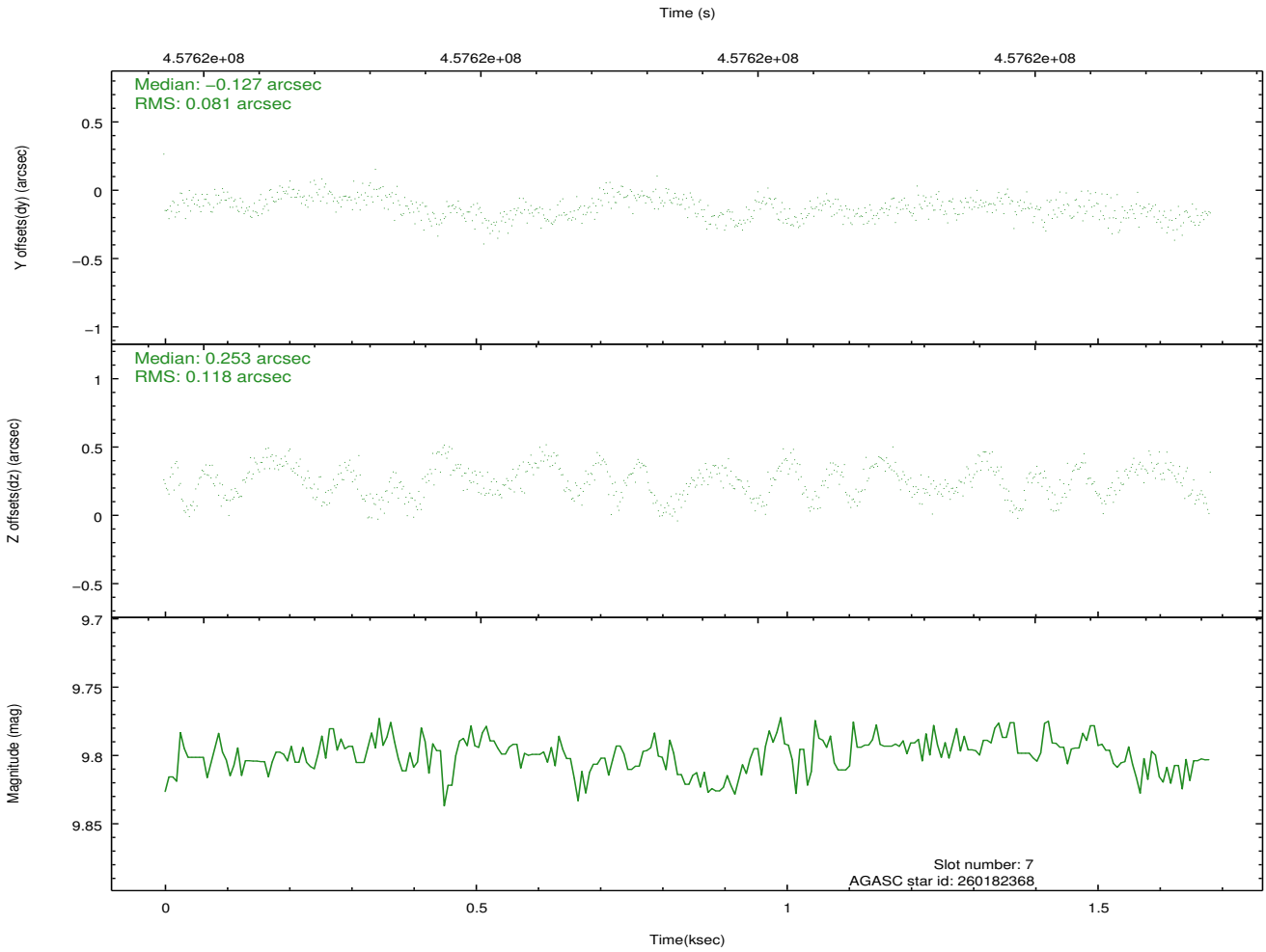
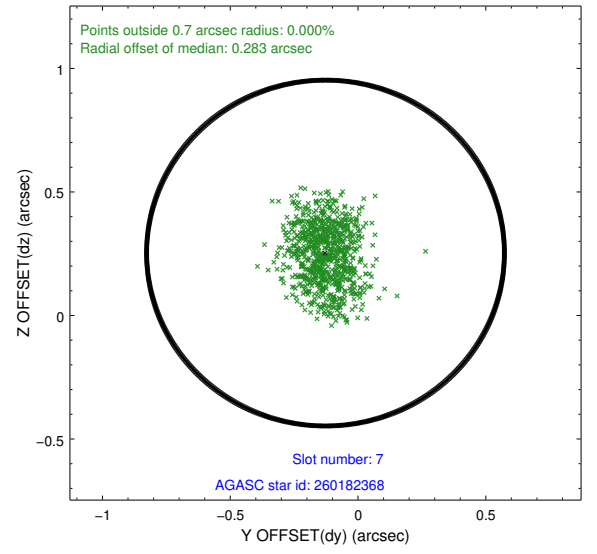
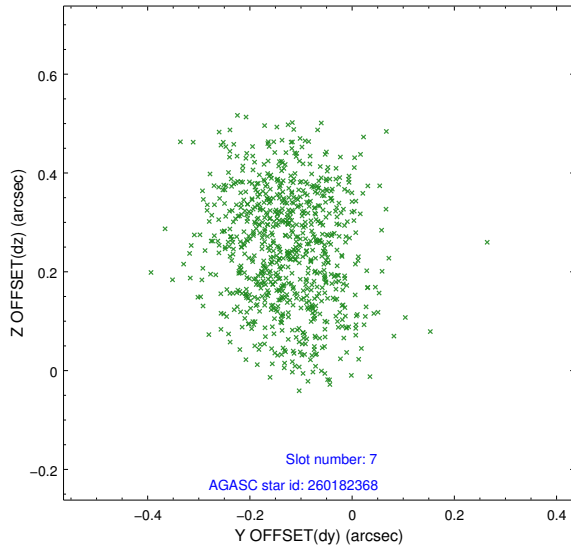
2.4.3 Slot 5



2.4.4 Slot 6

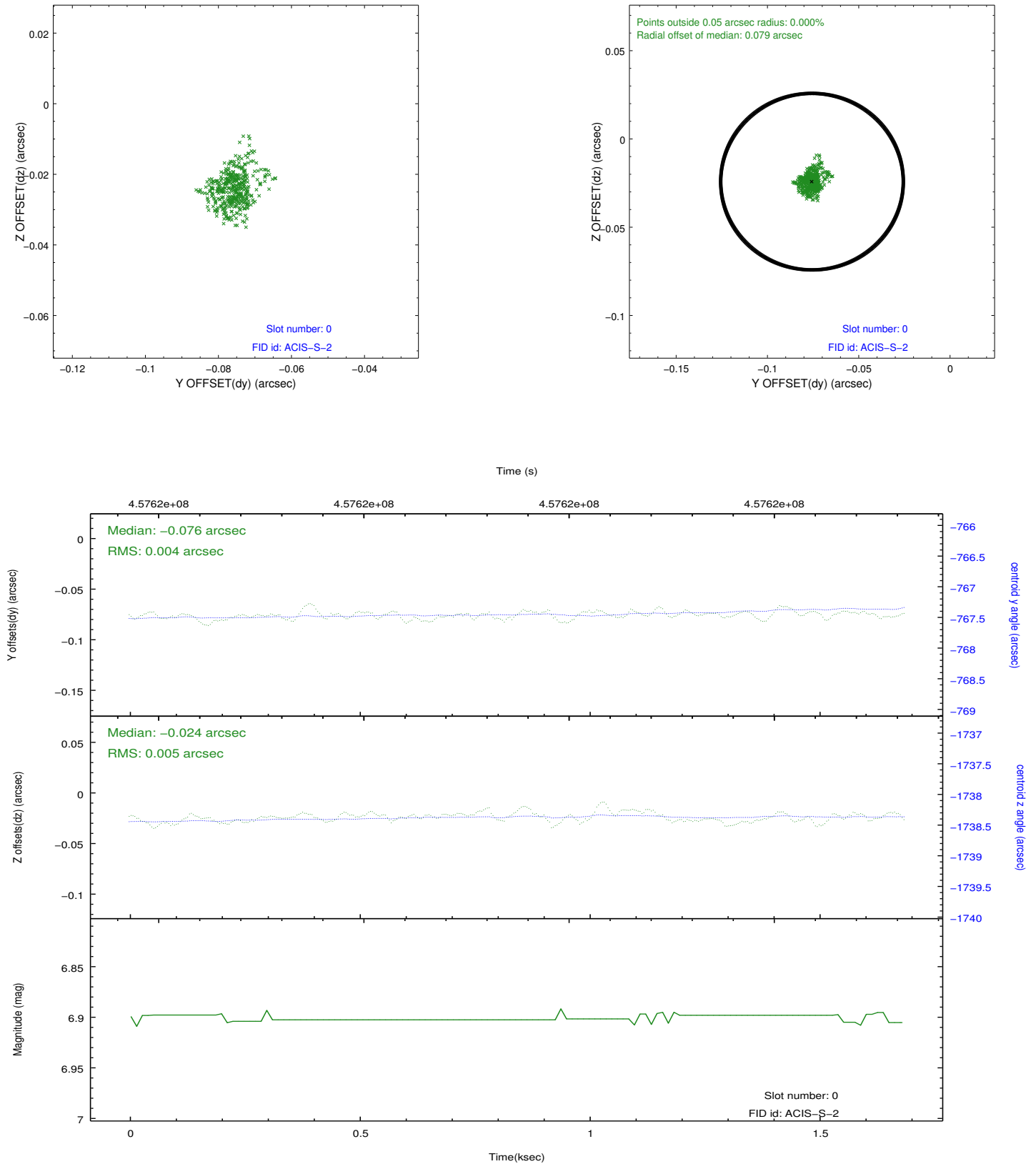


2.4.5 Slot 7

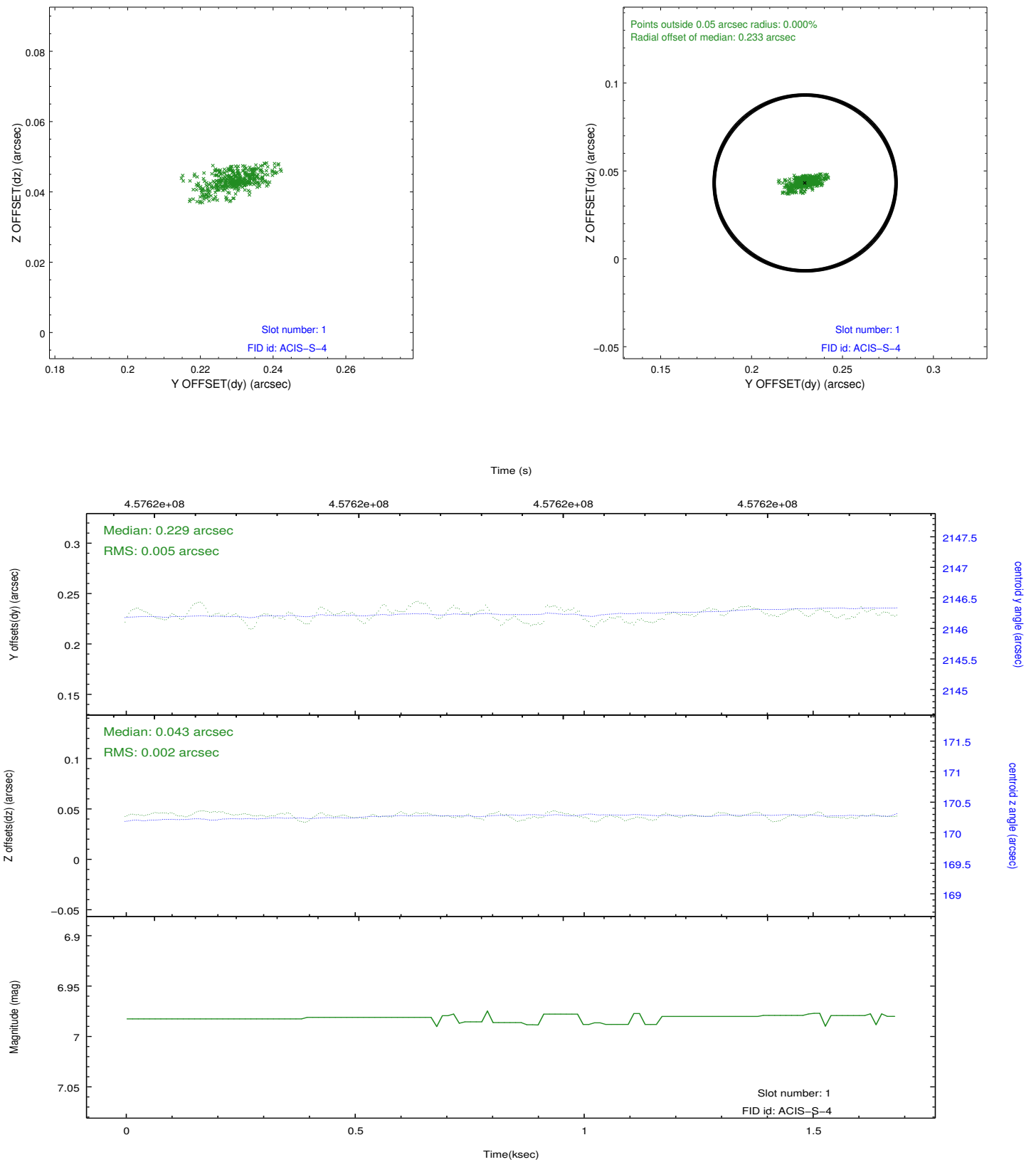


2.5 FID Slots

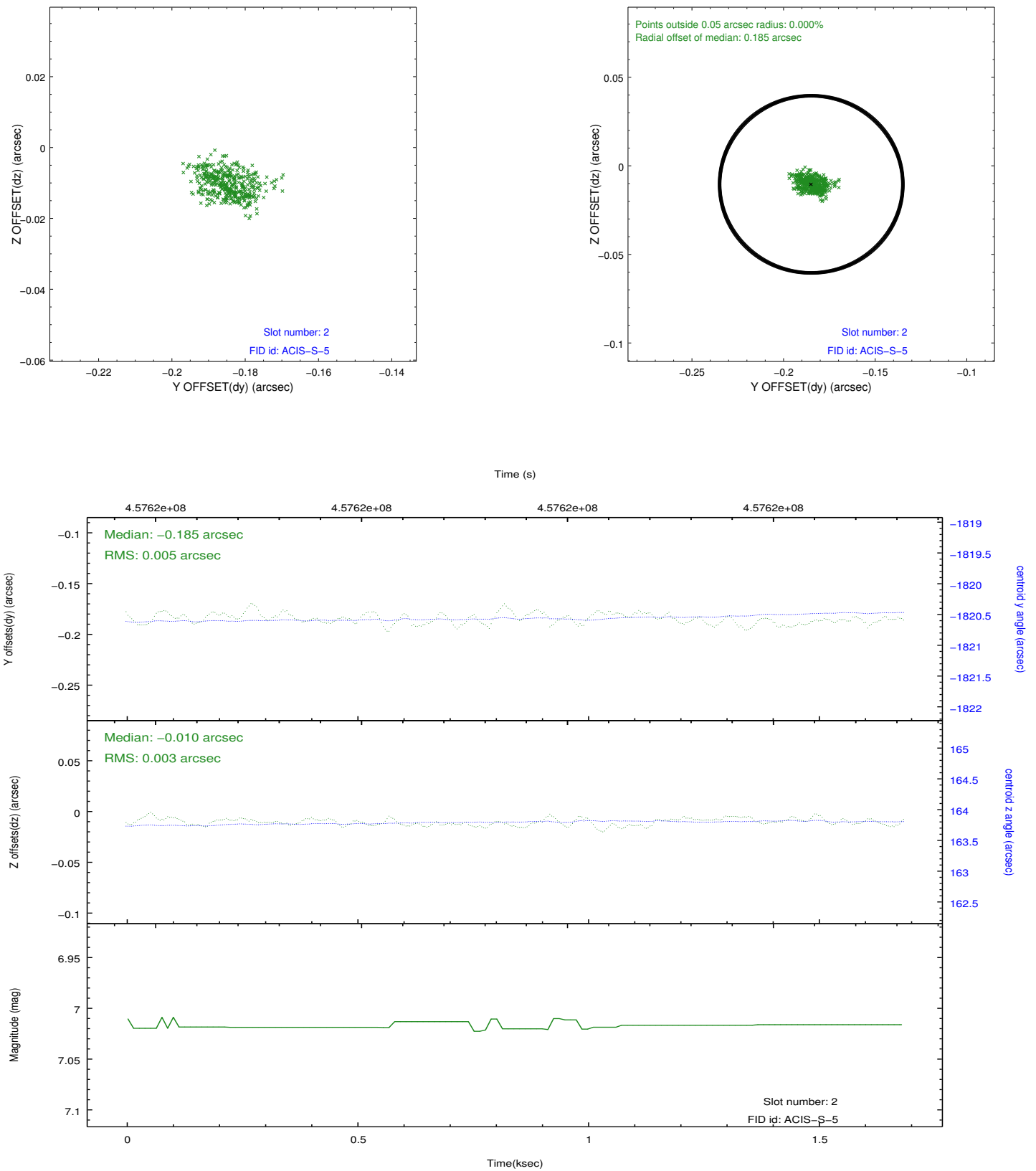
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.07.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.5810000121593

A.2 Comments