

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13333 - L2 Version 2
Chandra X-Ray Center

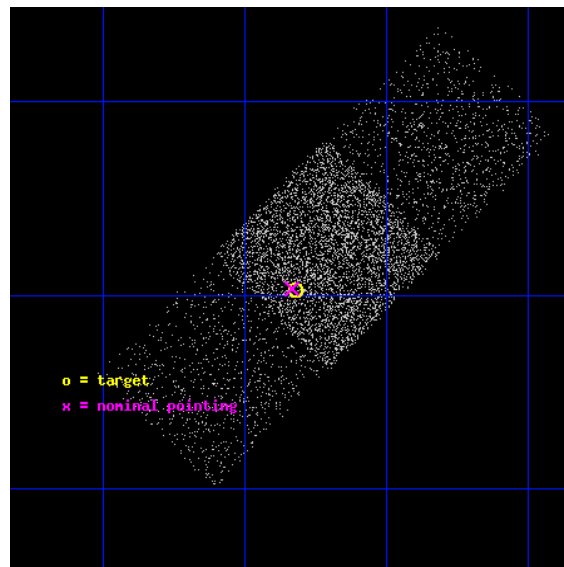
L2 Processing Date : Feb 26 2012

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1 Front

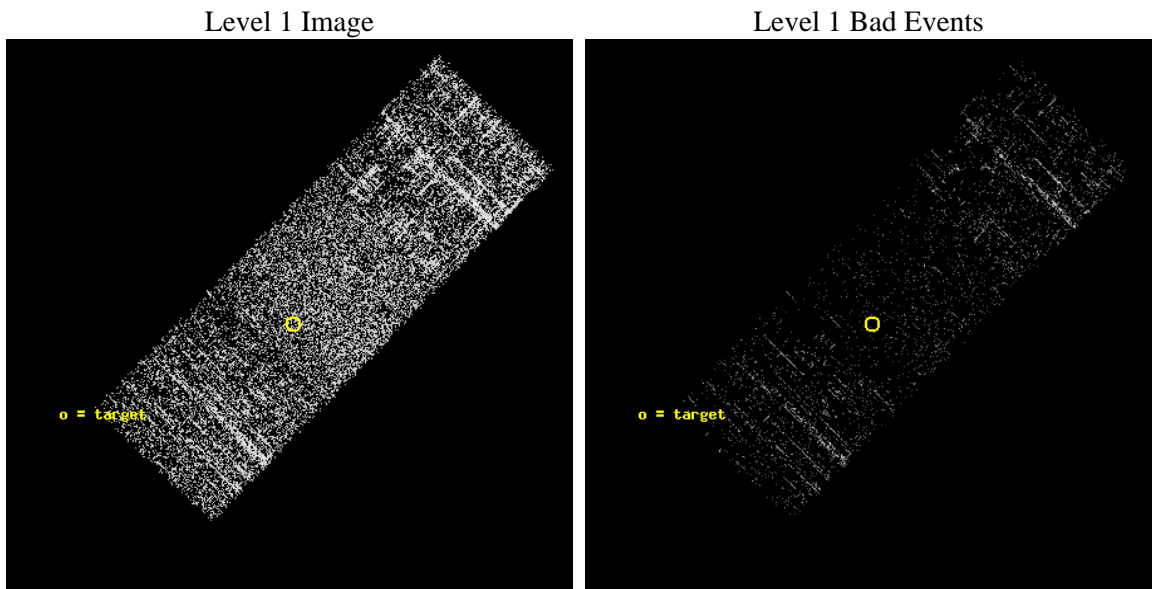
seq_num	702540	Sequence number
obs_id	13333	Observation id
title	A Large, Economical Snapshot Survey of the Most-Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Prof. Gordon Garmire	Principal investigator
object	SDSS J0140-0839	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	25.205	Observer's specified target RA [deg]
dec_targ	-8.661806	Observer's specified target Dec [deg]
ra_nom	25.208390094171	Nominal RA [deg]
dec_nom	-8.6612022900731	Nominal Dec [deg]
roll_nom	314.34880184956	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1558.5154179335	Sum of GTIs [s]
livetime	1538.1522666358	Livetime [s]
ontime6	1555.3333575726	Sum of GTIs [s]
ontime7	1558.5154179335	Sum of GTIs [s]
ontime8	1558.4333379269	Sum of GTIs [s]
l2events	6665	Number of level 2 events



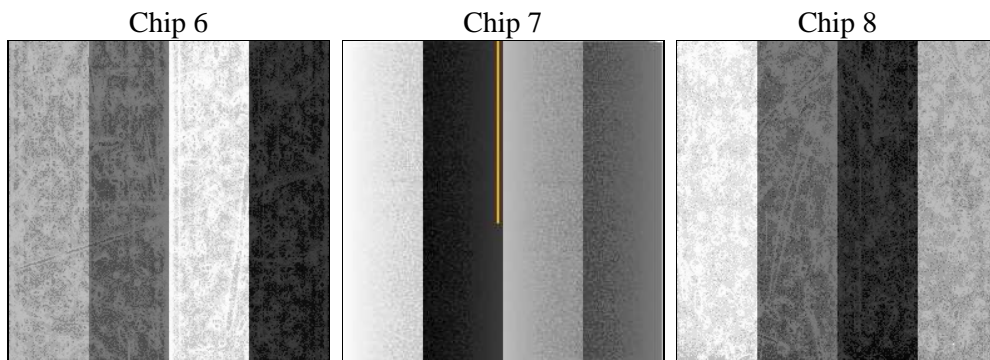
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	1500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	1558.5154179335	Sum of GTIs [s]
caldsver	4.4.8	 	ontime6	1555.3333575726	Sum of GTIs [s]
date	2012-02-26T16:30:19	Date and time of file creation	ontime7	1558.5154179335	Sum of GTIs [s]
revision	2	Processing version of data	ontime8	1558.4333379269	Sum of GTIs [s]
			l1events	31025	Number of level 1 events

2.1.4 Events

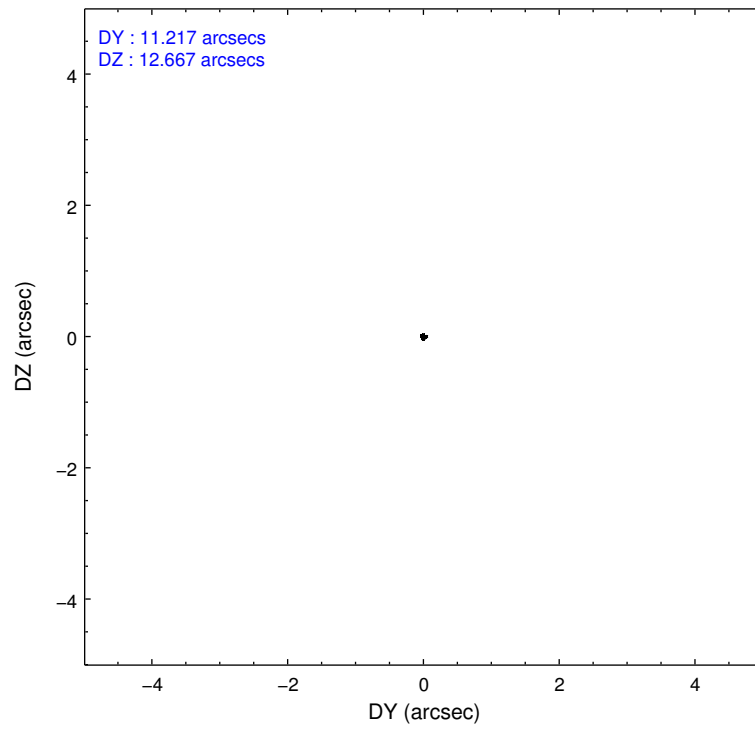
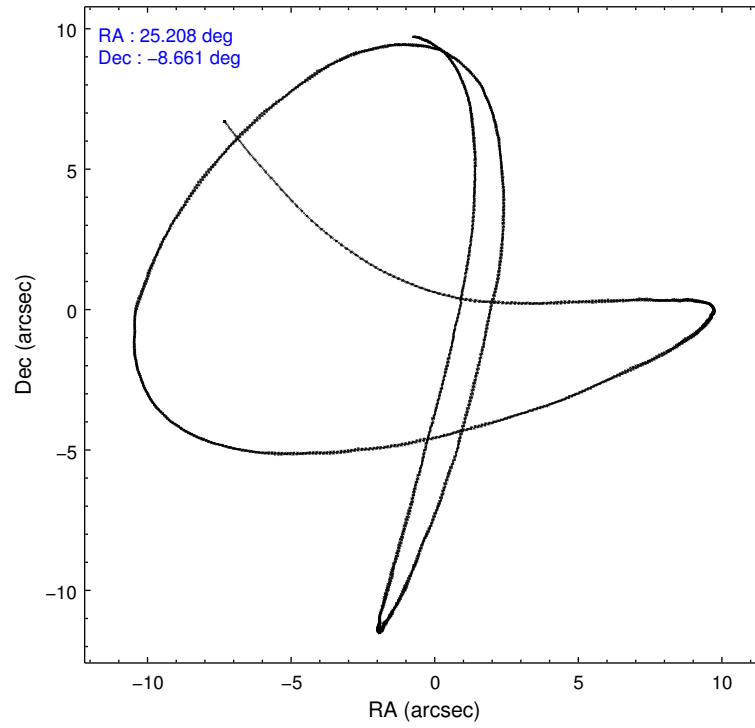
	ccd 6	ccd 7	ccd 8
level 1 events	8864	9965	12196
rejected events	7849	5063	8778
rejected %	88%	50%	71%

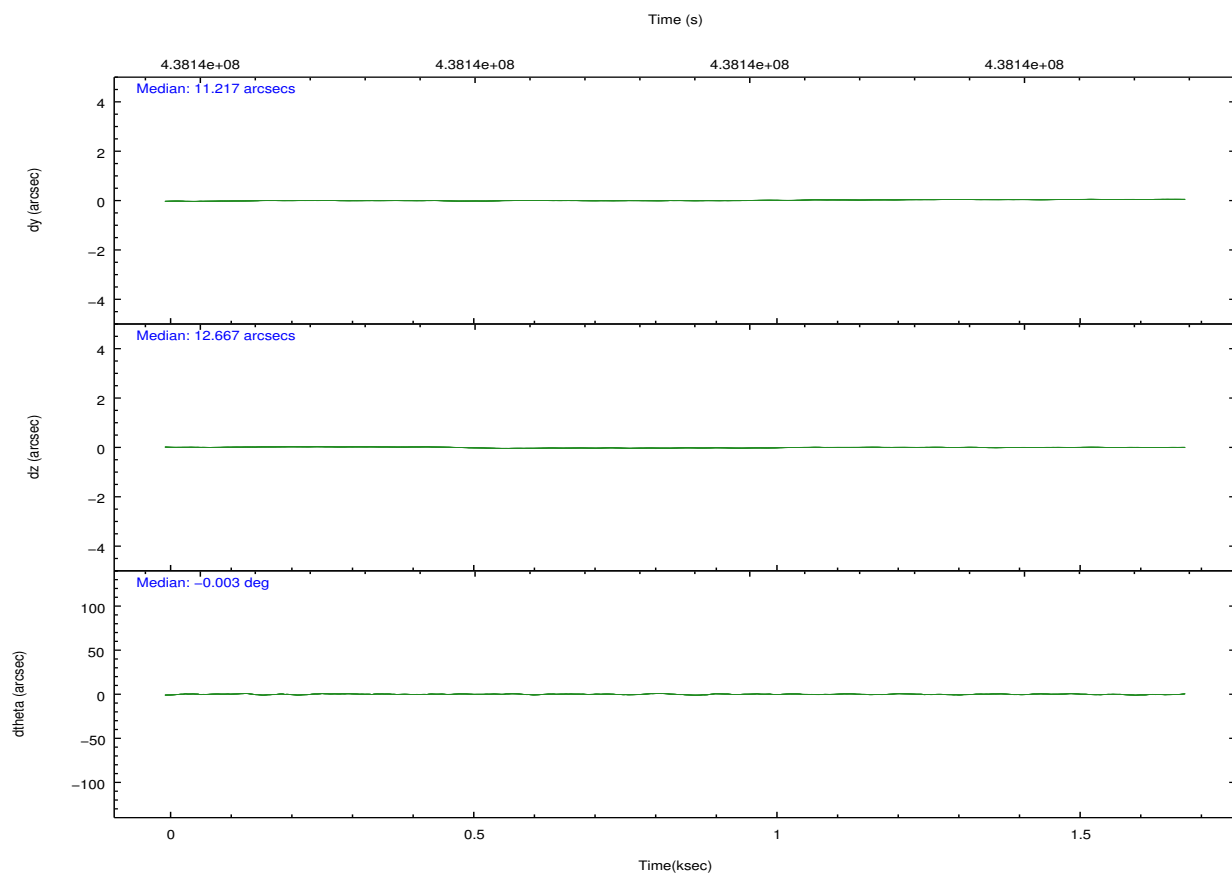
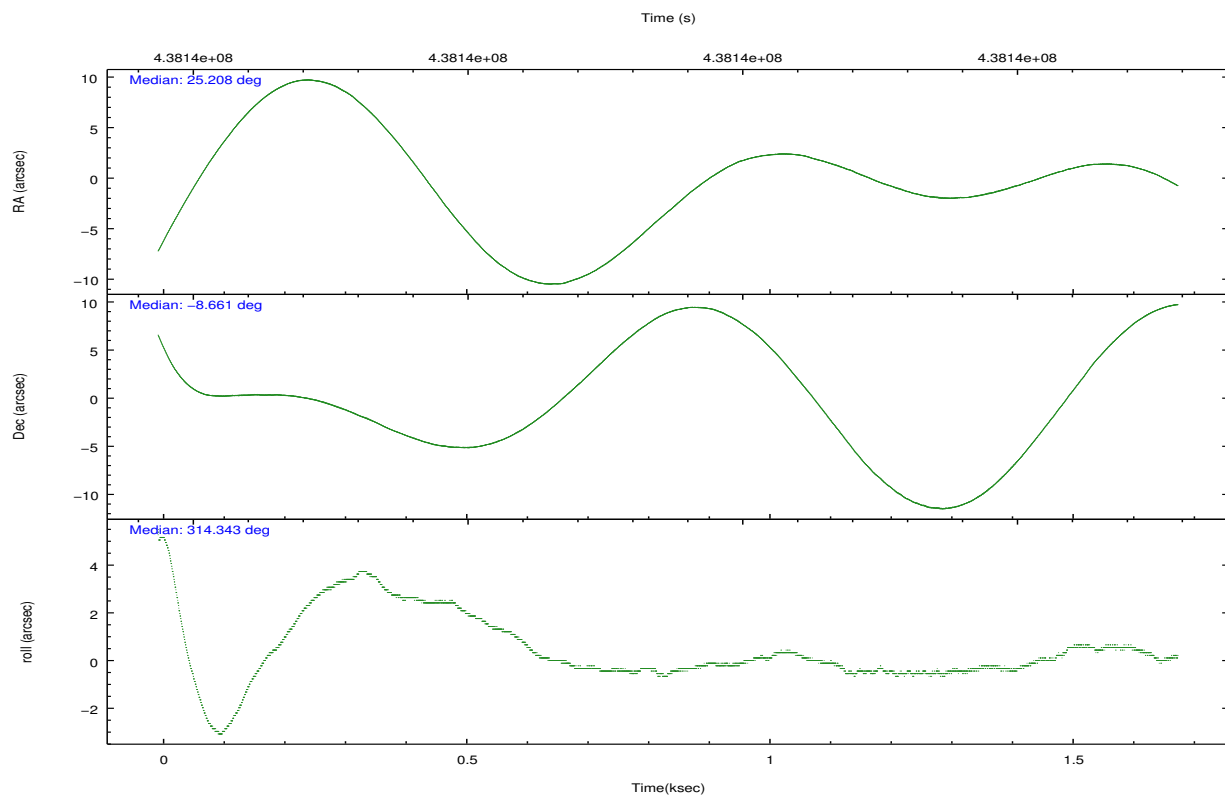
	ccd 6	ccd 7	ccd 8
grade 0 events	363	438	976
	4%	4%	8%
grade 1 events	4	11	12
	0%	0%	0%
grade 2 events	250	1066	913
	2%	10%	7%
grade 3 events	108	444	321
	1%	4%	2%
grade 4 events	95	427	341
	1%	4%	2%
grade 5 events	401	994	565
	4%	9%	4%
grade 6 events	201	2546	871
	2%	25%	7%
grade 7 events	7442	4039	8197
	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	25.181268	25.20839009417141	Subarray requested	NONE	NONE
[deg] Pointing Dec	-8.654169	-8.661202290073135	Alternating exposures requested	N	N
[deg] Pointing Roll	314.188013	314.3488018495605	[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)	438140205.184000	438139274.67965			
Observation start date	2011-11-20T01:35:39	2011-11-20T01:21:14			
[s] Observation end time (MET)	438141705.184000	438142735.07983			
Observation end date	2011-11-20T02:00:39	2011-11-20T02:18:55			
Read mode	TIMED	TIMED			

2.3 Aspect



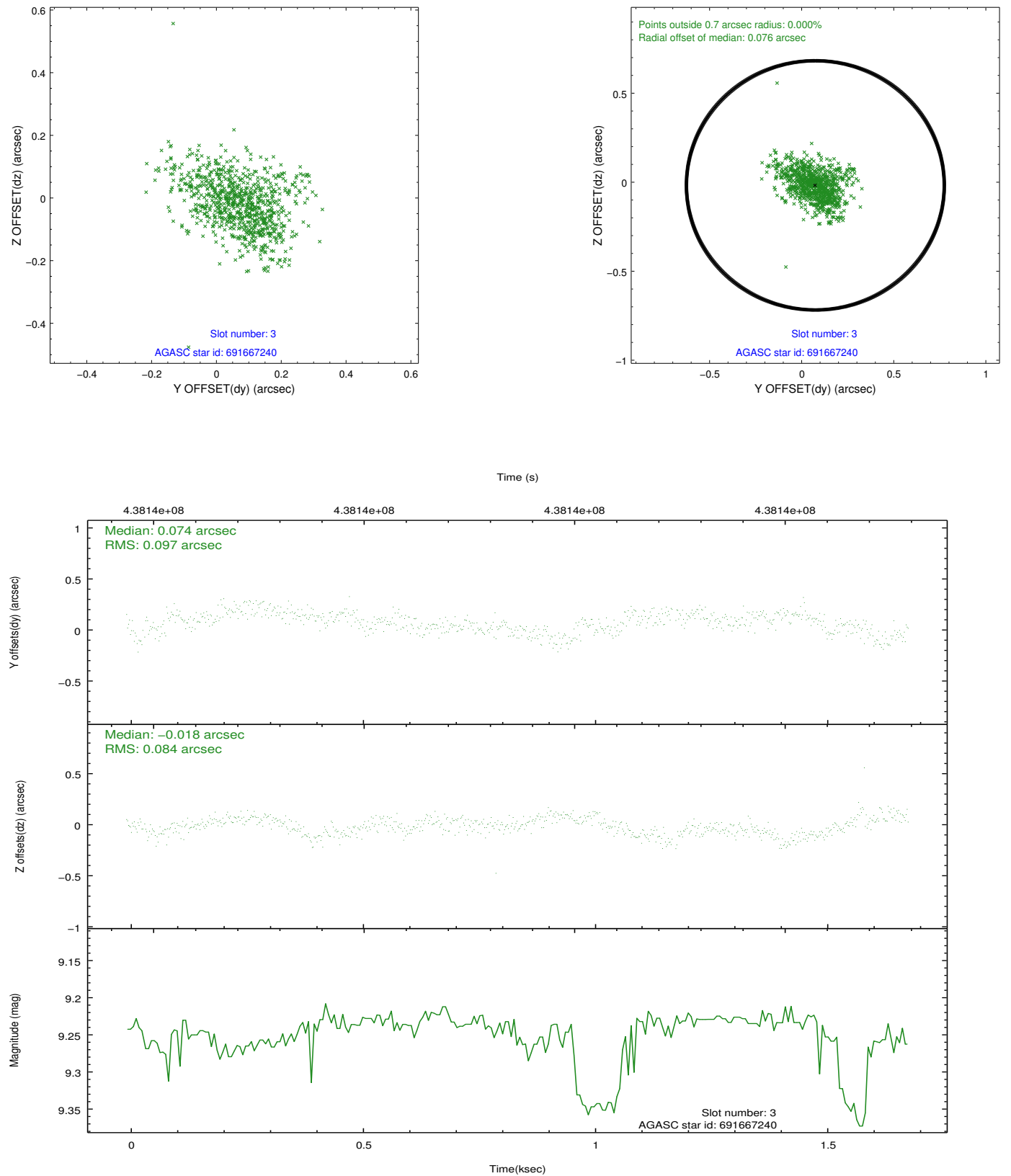


Slot Statistics

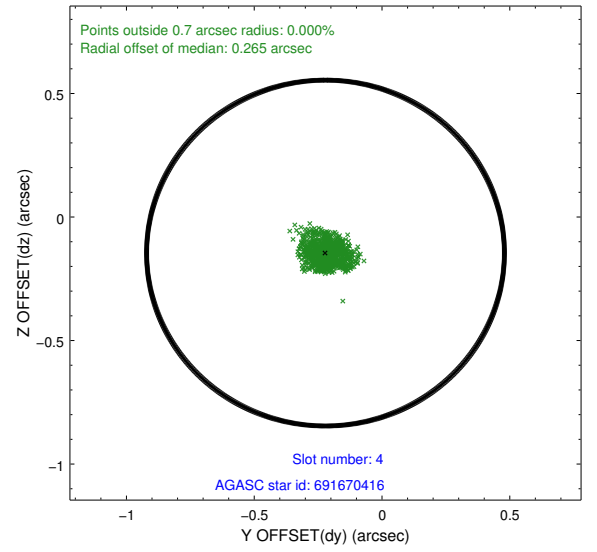
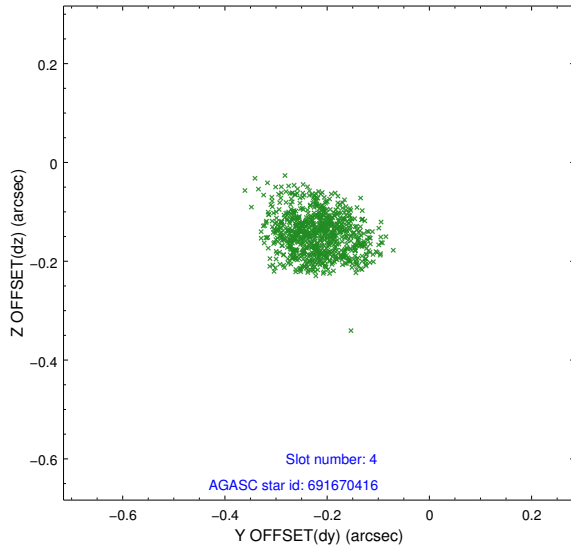
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.01	411	-0.048	-0.059	0.007	0.011	0.000000	0.000000	-764.17	-1733.97
1	FID	ACIS-S-4	7.11	411	0.198	0.039	0.005	0.008	0.000000	0.000000	2147.59	170.50
2	FID	ACIS-S-5	7.14	411	-0.180	0.029	0.006	0.011	0.000000	0.000000	-1812.09	168.69
3	GUIDE	691667240	9.24	818	0.074	-0.018	0.135	0.224	25.322847	-9.371752	2202.64	-1440.80
4	GUIDE	691670416	6.82	822	-0.221	-0.146	0.071	0.109	25.633347	-8.659497	1137.85	1137.66
5	GUIDE	691671176	7.92	822	0.361	0.364	0.064	0.099	25.965697	-8.657690	1958.07	1992.15
6	GUIDE	691677320	7.91	822	-0.003	-0.087	0.083	0.123	25.069396	-9.242876	1244.84	-1761.06
7	GUIDE	691679104	8.26	820	-0.206	-0.110	0.074	0.115	24.652540	-8.509478	-1683.89	-990.99

2.4 Star Slots

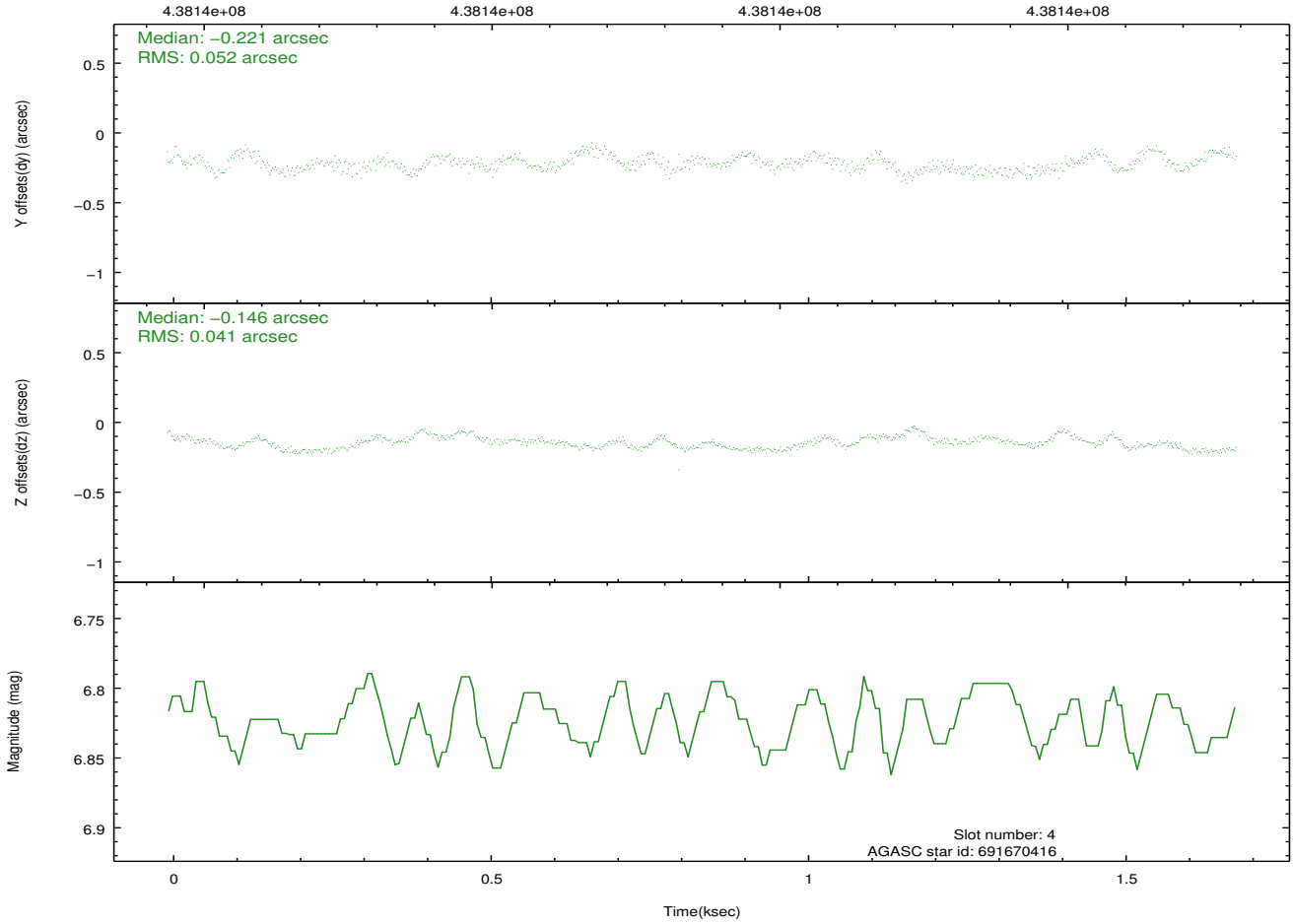
2.4.1 Slot 3



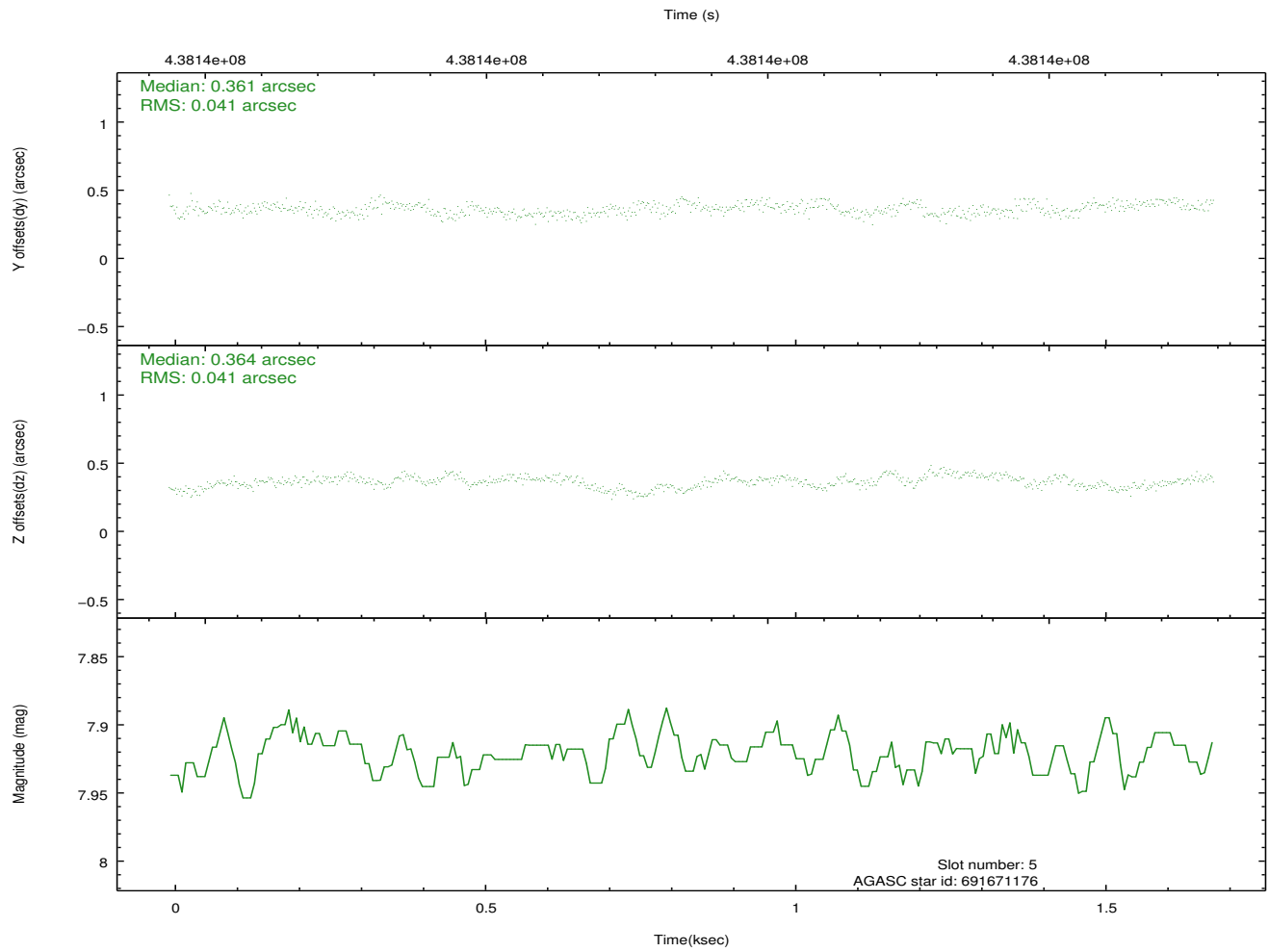
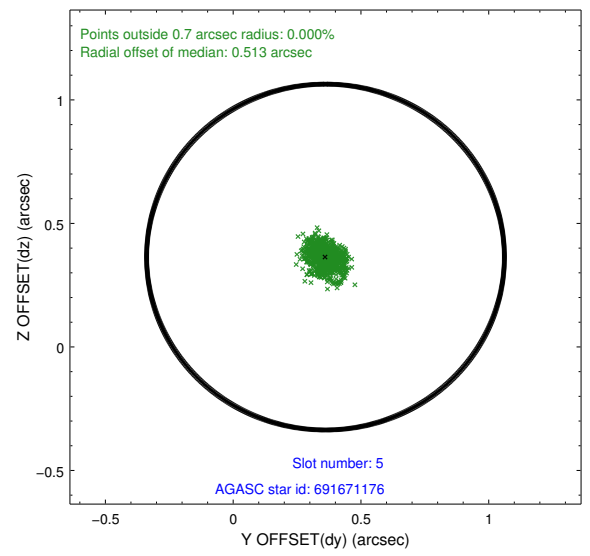
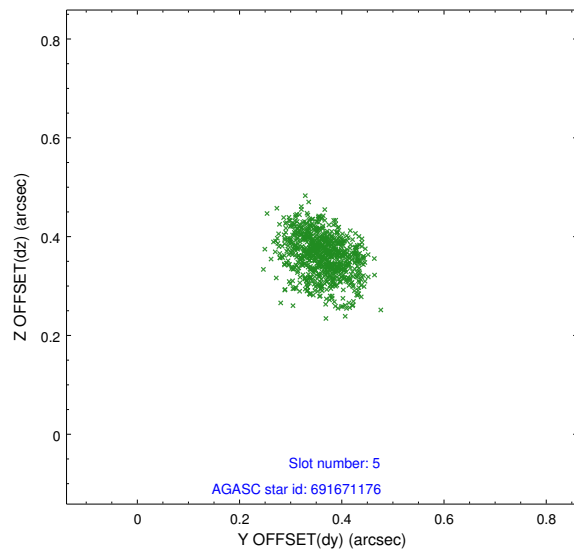
2.4.2 Slot 4



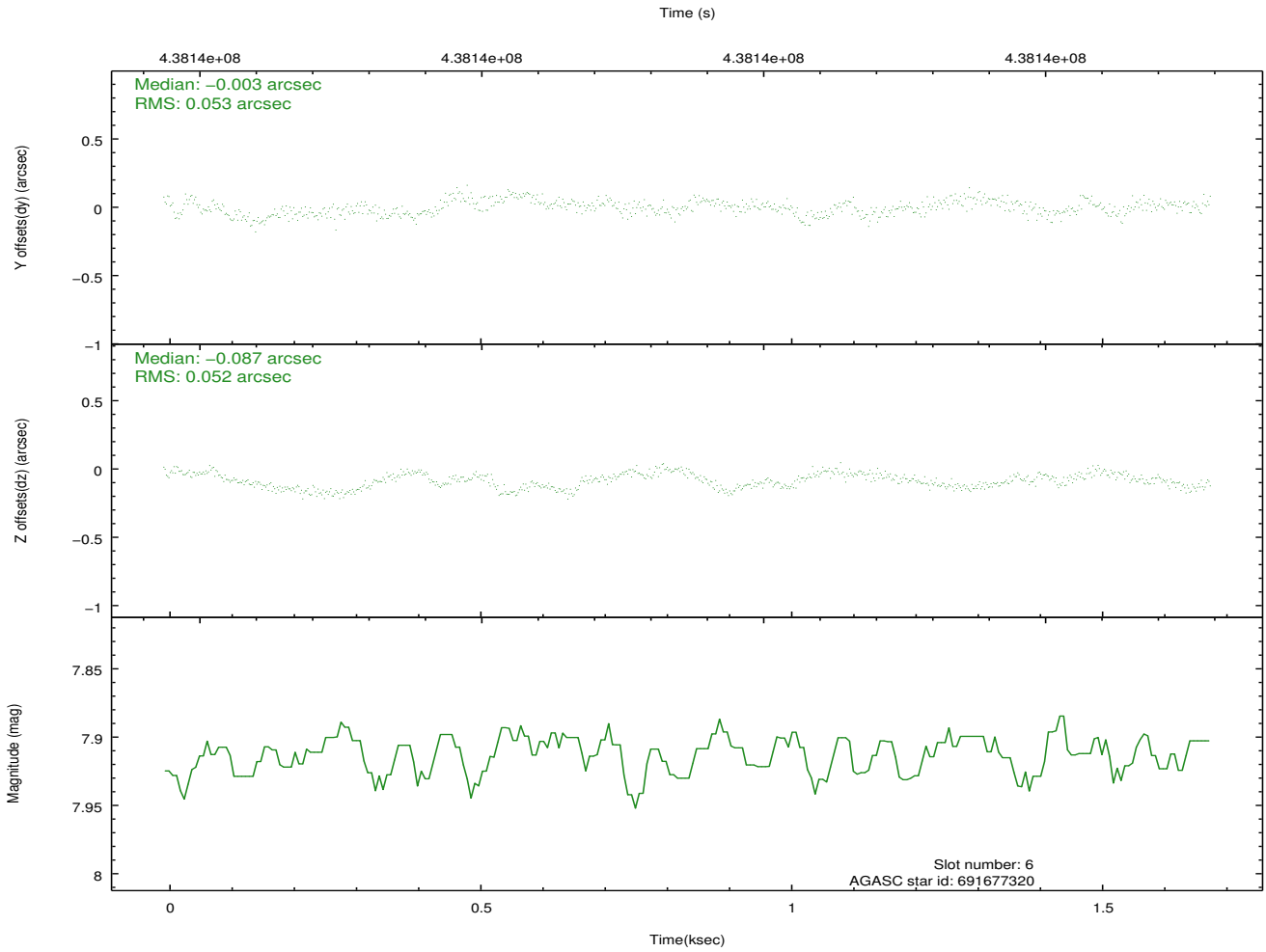
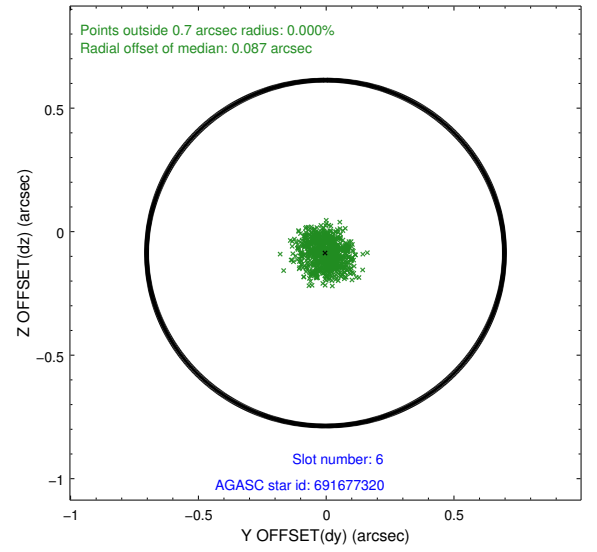
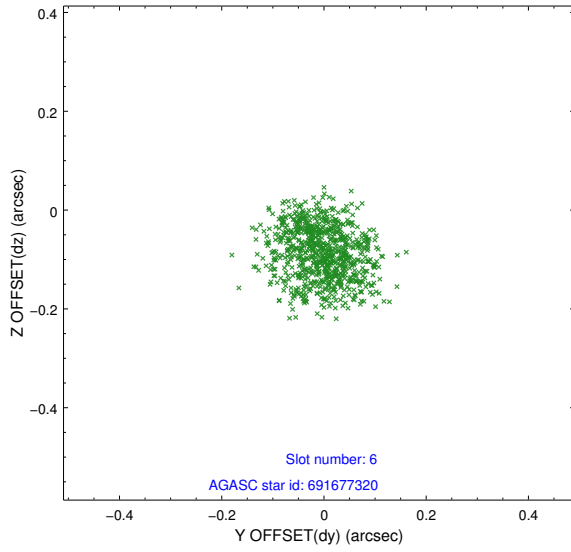
Time (s)



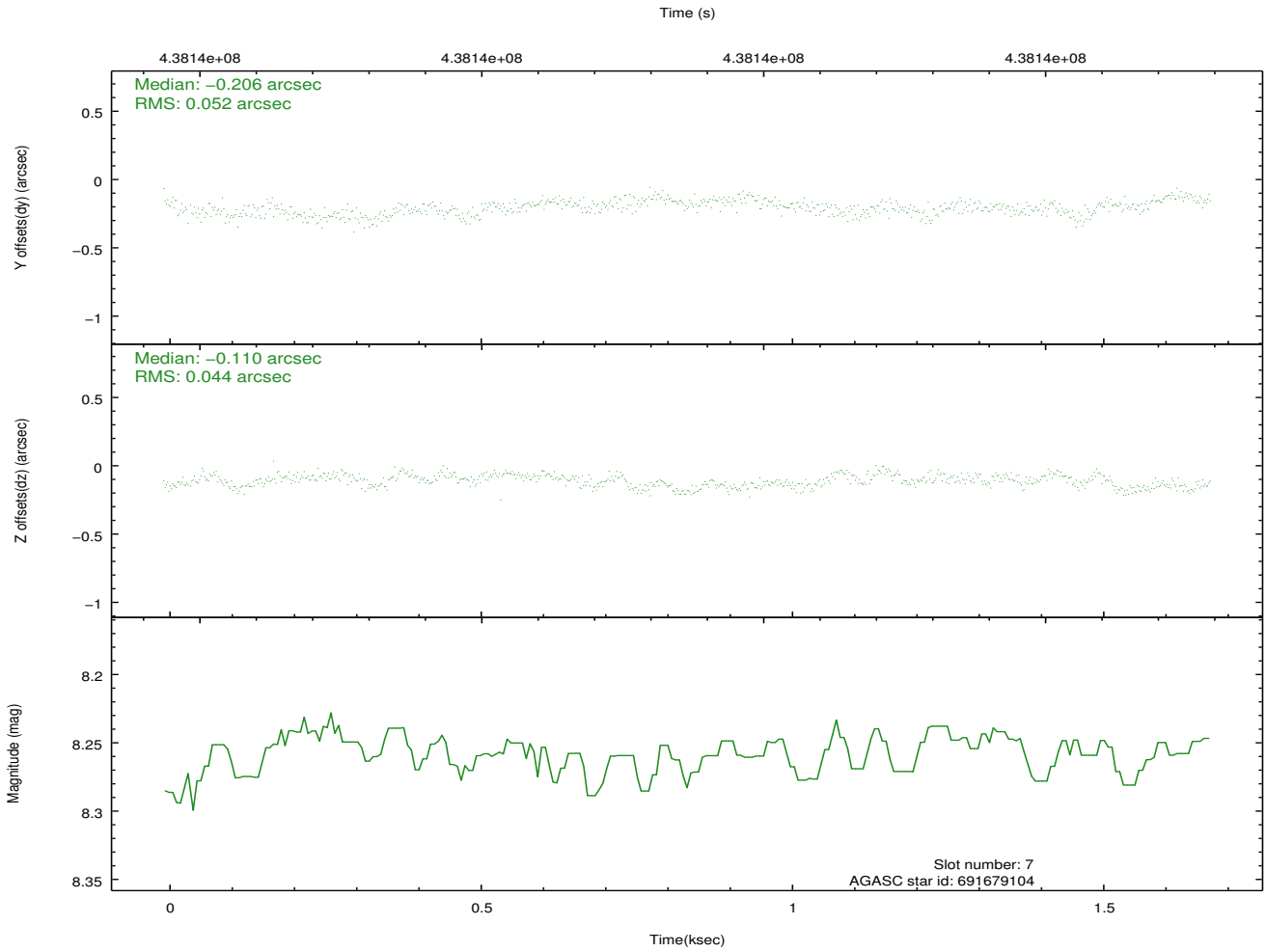
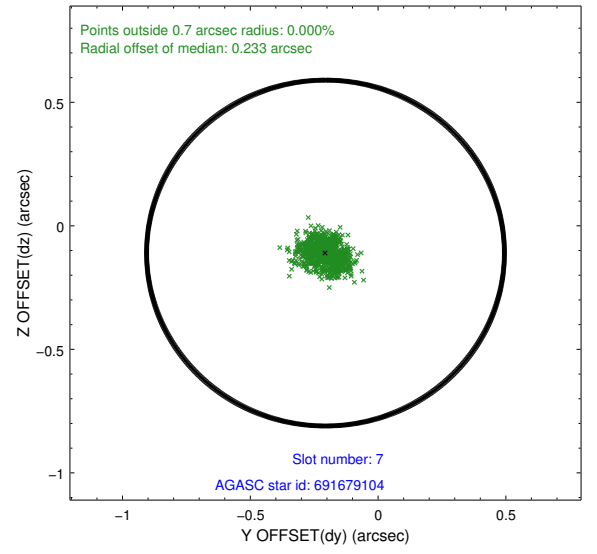
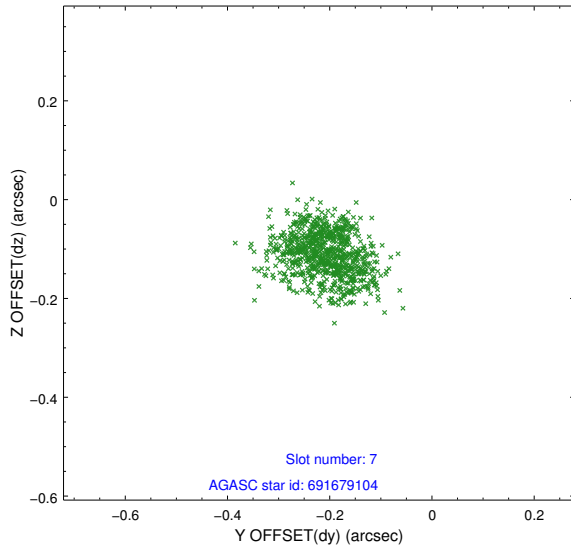
2.4.3 Slot 5



2.4.4 Slot 6

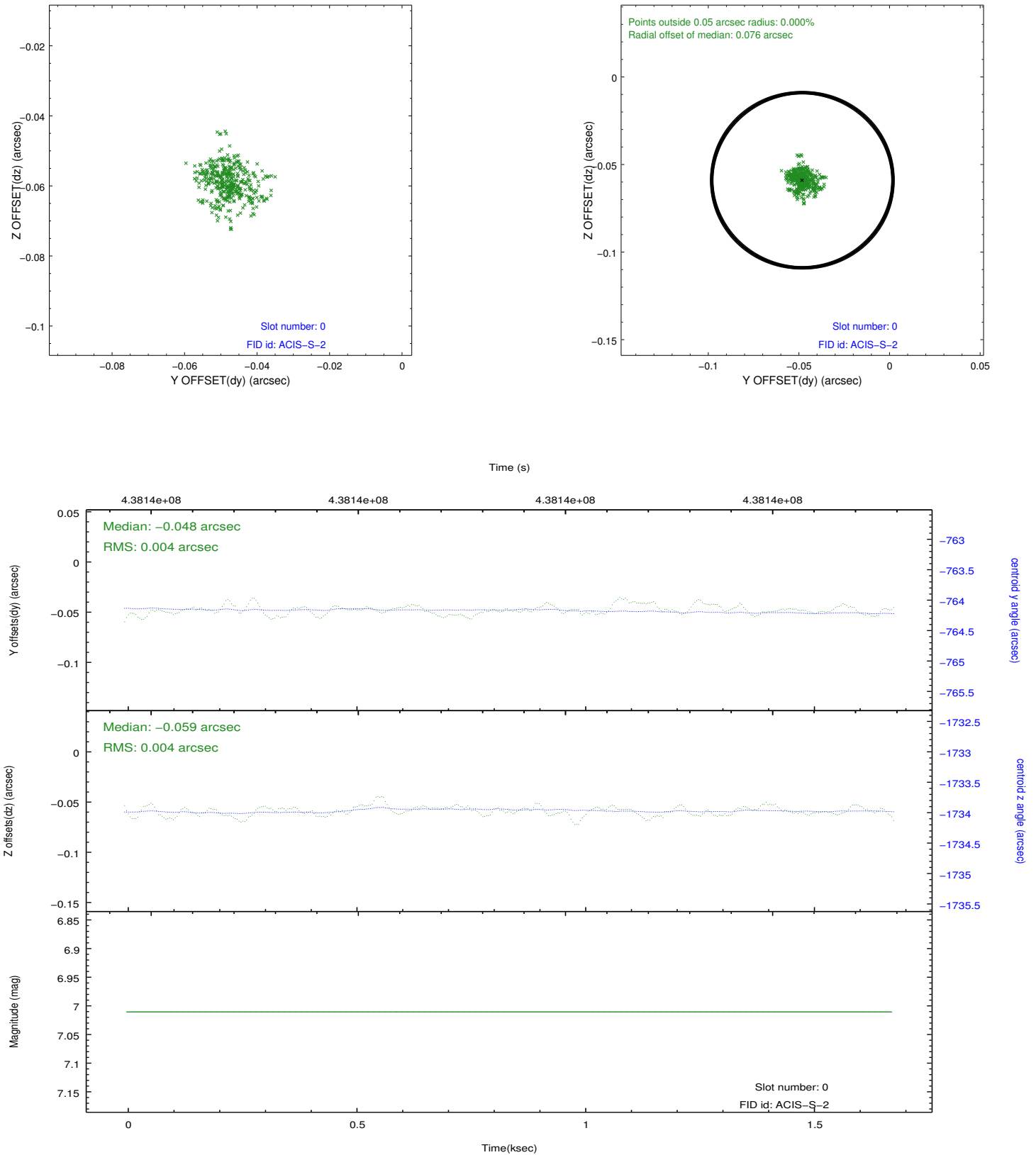


2.4.5 Slot 7

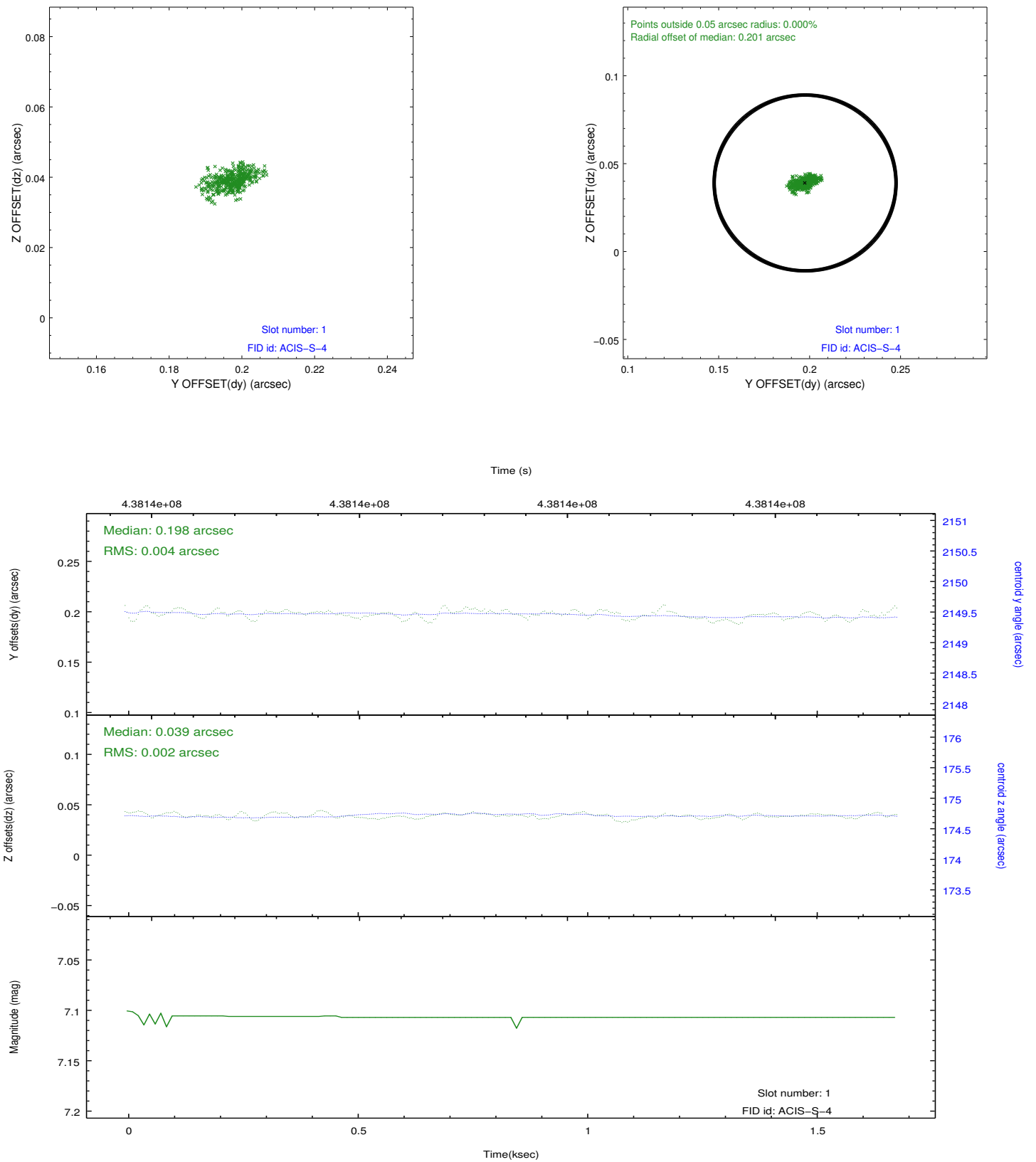


2.5 FID Slots

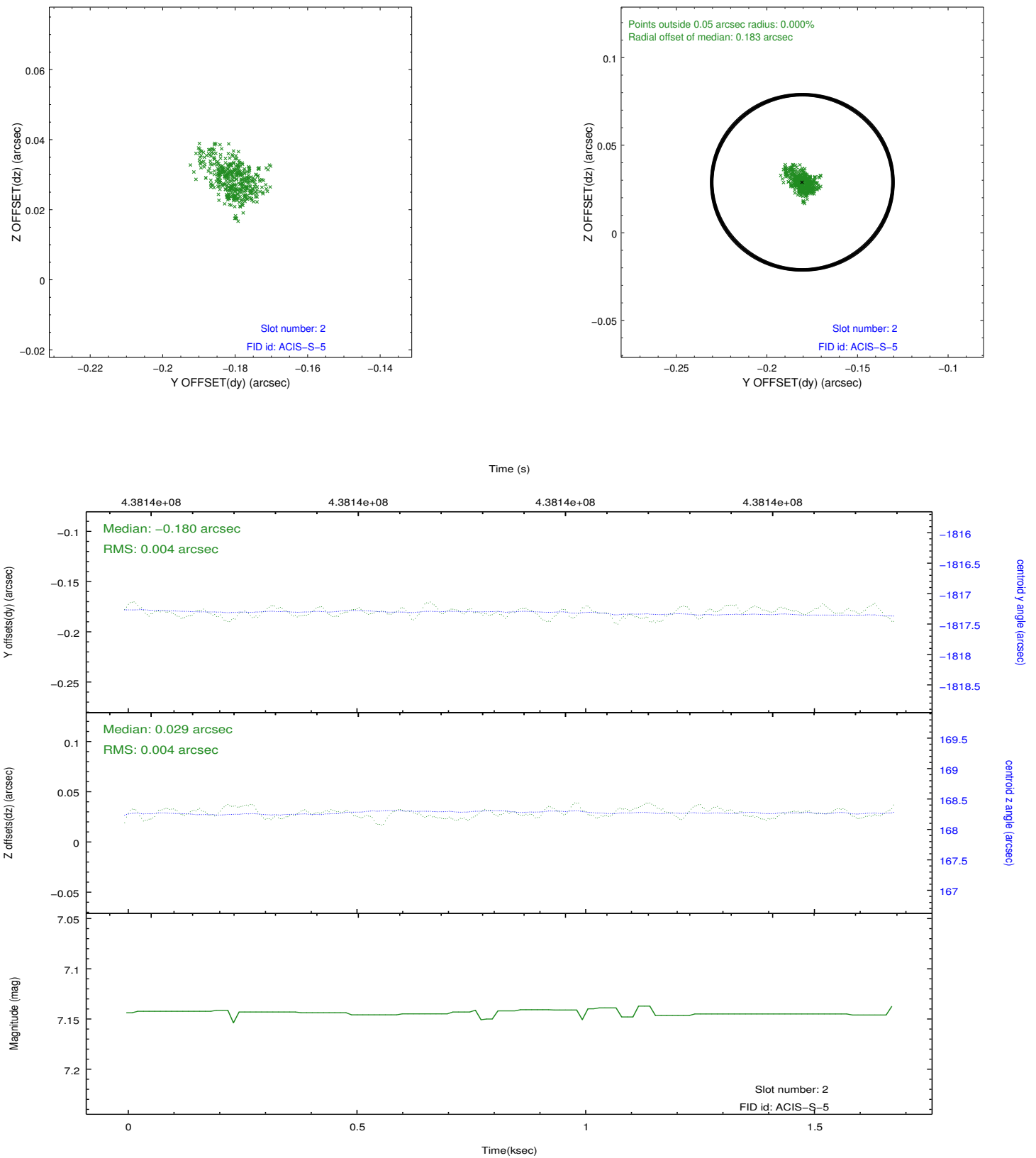
2.5.1 Slot 0



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)	2012.02.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.5585154163837

A.2 Comments