

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9256 - L2 Version 2
Chandra X-Ray Center

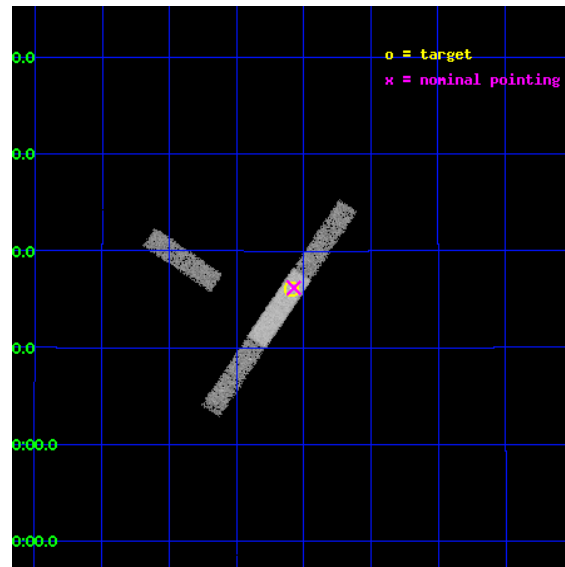
L2 Processing Date : May 12 2012

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1 Front

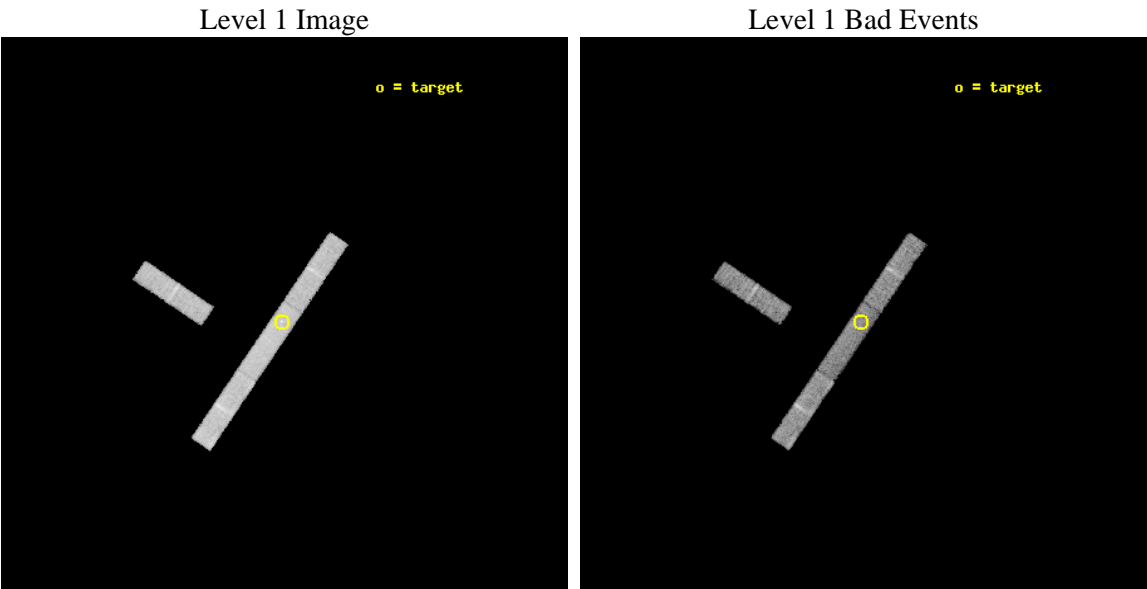
seq_num	701697	Sequence number
obs_id	9256	Observation id
title	Orientation effects in the X-ray and multi-wavelength properties of high-z, 3CRR quasars.	Proposal title
observer	Dr. Belinda Wilkes	Principal investigator
object	3CRR 318	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	230.022917	Observer's specified target RA [deg]
dec_targ	20.267889	Observer's specified target Dec [deg]
ra_nom	230.01822552384	Nominal RA [deg]
dec_nom	20.26988655546	Nominal Dec [deg]
roll_nom	124.16841560851	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10182.0	Sum of GTIs [s]
livetime	9780.6040113733	Livetime [s]
ontime3	10182.0	Sum of GTIs [s]
ontime6	10182.0	Sum of GTIs [s]
ontime7	10182.0	Sum of GTIs [s]
ontime8	10182.0	Sum of GTIs [s]
l2events	24422	Number of level 2 events



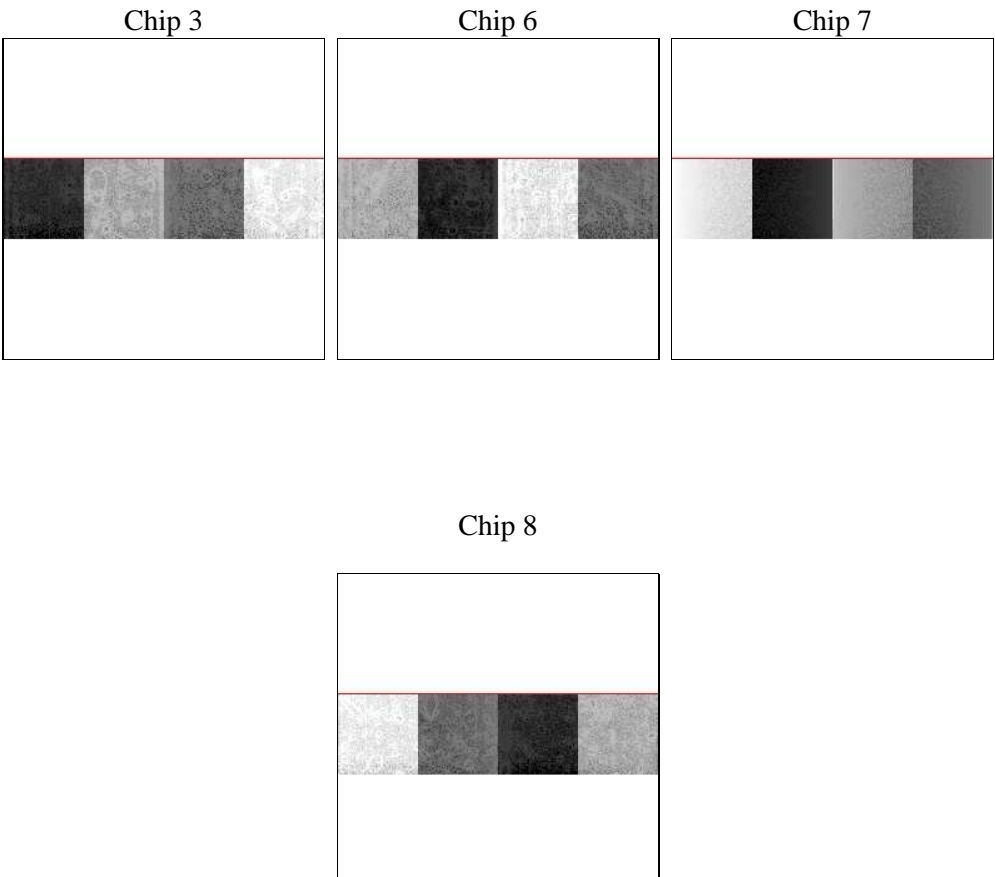
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	10182.0	Sum of GTIs [s]
caldsver	4.4.9	 	ontime3	10182.0	Sum of GTIs [s]
date	2012-05-12T13:19:47	Date and time of file creation	ontime6	10182.0	Sum of GTIs [s]
revision	2	Processing version of data	ontime7	10182.0	Sum of GTIs [s]
			ontime8	10182.0	Sum of GTIs [s]
			l1events	134199	Number of level 1 events

2.1.4 Events

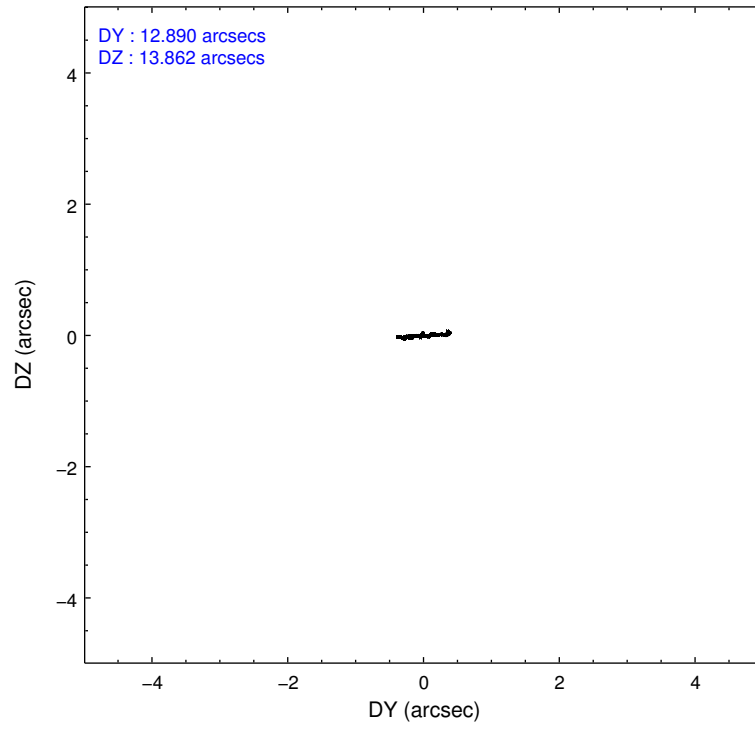
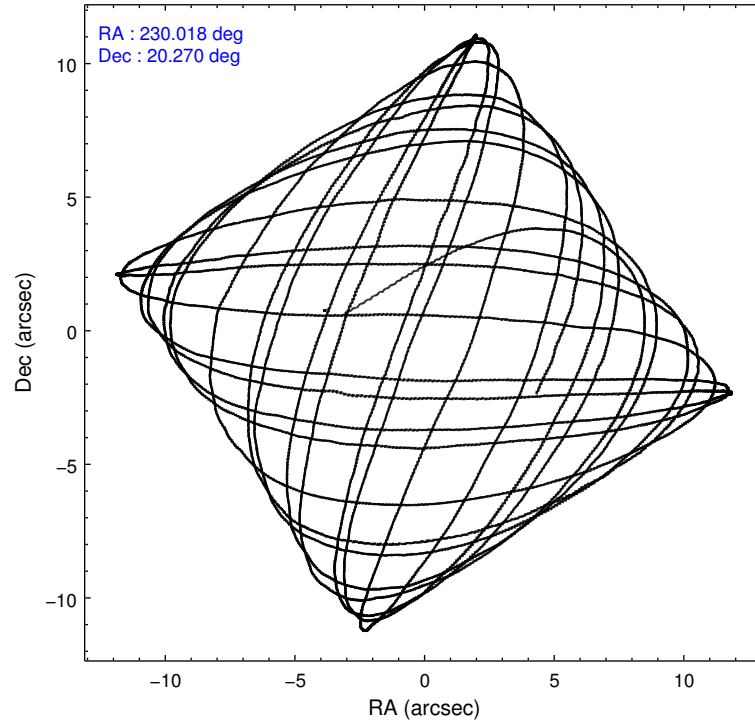
	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	28446	29712	36934	39107
rejected events	25087	26114	21134	31057
rejected %	88%	87%	57%	79%

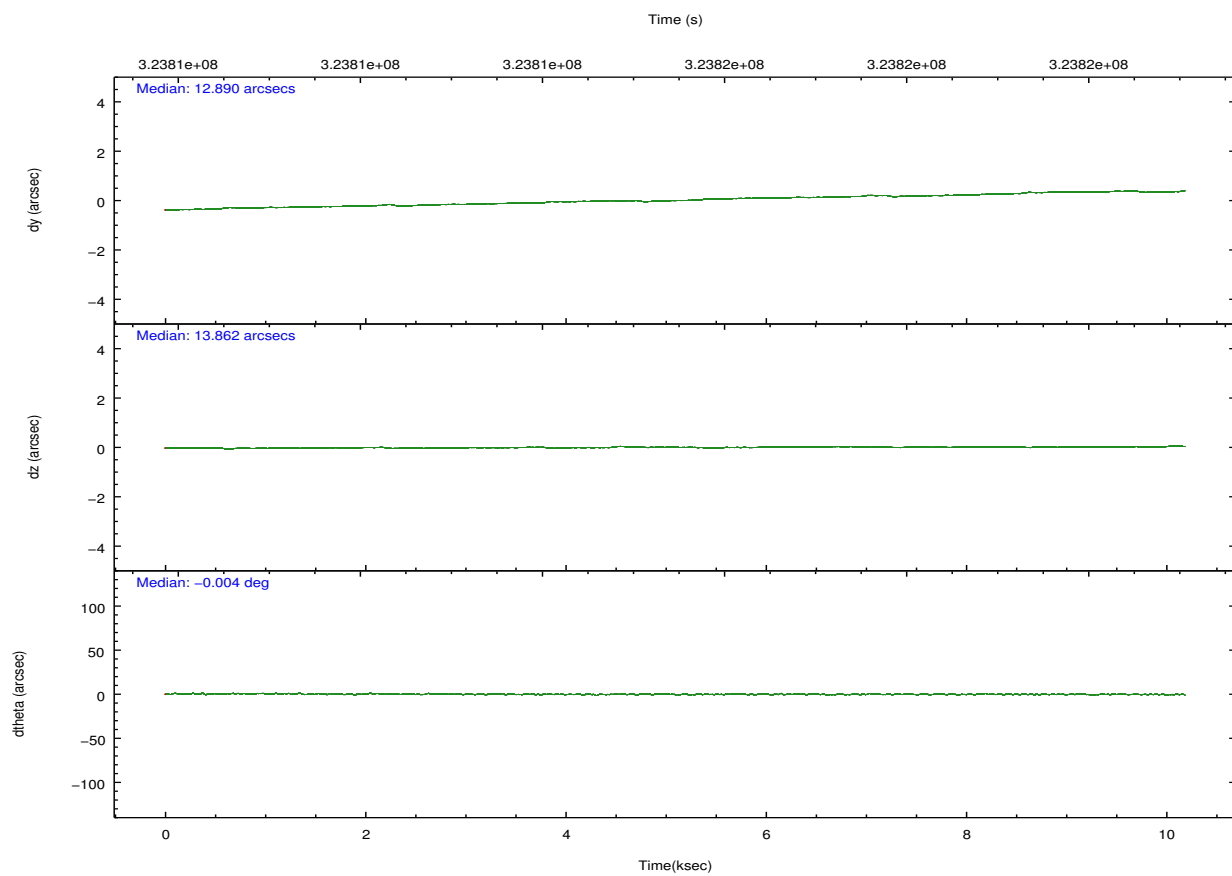
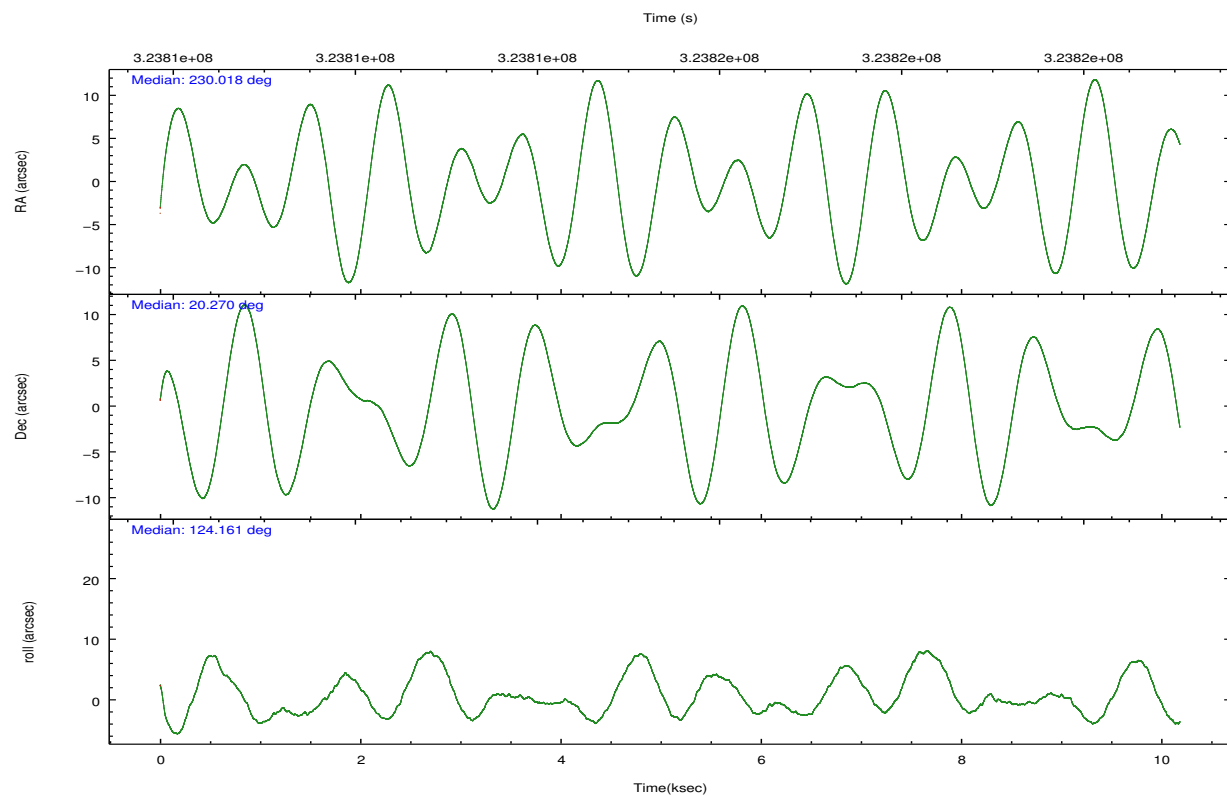
	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	1353	1337	1610	2357
	4%	4%	4%	6%
grade 1 events	14	16	42	21
	0%	0%	0%	0%
grade 2 events	613	705	3329	1736
	2%	2%	9%	4%
grade 3 events	507	477	1748	908
	1%	1%	4%	2%
grade 4 events	415	455	1543	884
	1%	1%	4%	2%
grade 5 events	1175	1224	3487	1679
	4%	4%	9%	4%
grade 6 events	560	708	7923	2378
	1%	2%	21%	6%
grade 7 events	23809	24790	17252	29144
	83%	83%	46%	74%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-3678	ACIS-3678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	230.044604	230.0182255238355	CCD I2 on	N	N
[deg] Pointing Dec	20.258297	20.26988655546031	CCD I3 on	O1	Y
[deg] Pointing Roll	124.002642	124.1684156085099	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O3	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	O2	Y
[s] Observation start time (MET)	323810549.184000	323809707.80472	CCD S5 on	N	N
Observation start date	2008-04-05T19:21:24	2008-04-05T19:08:27	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	323820549.184000	323821227.78028	On-chip summing requested	N	N
Observation end date	2008-04-05T22:08:04	2008-04-05T22:20:27	Subarray requested	CUSTOM	1/4
Read mode	TIMED	TIMED	Subarray start row	385	385
			Subarray row count	256	256
			Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	1

2.3 Aspect



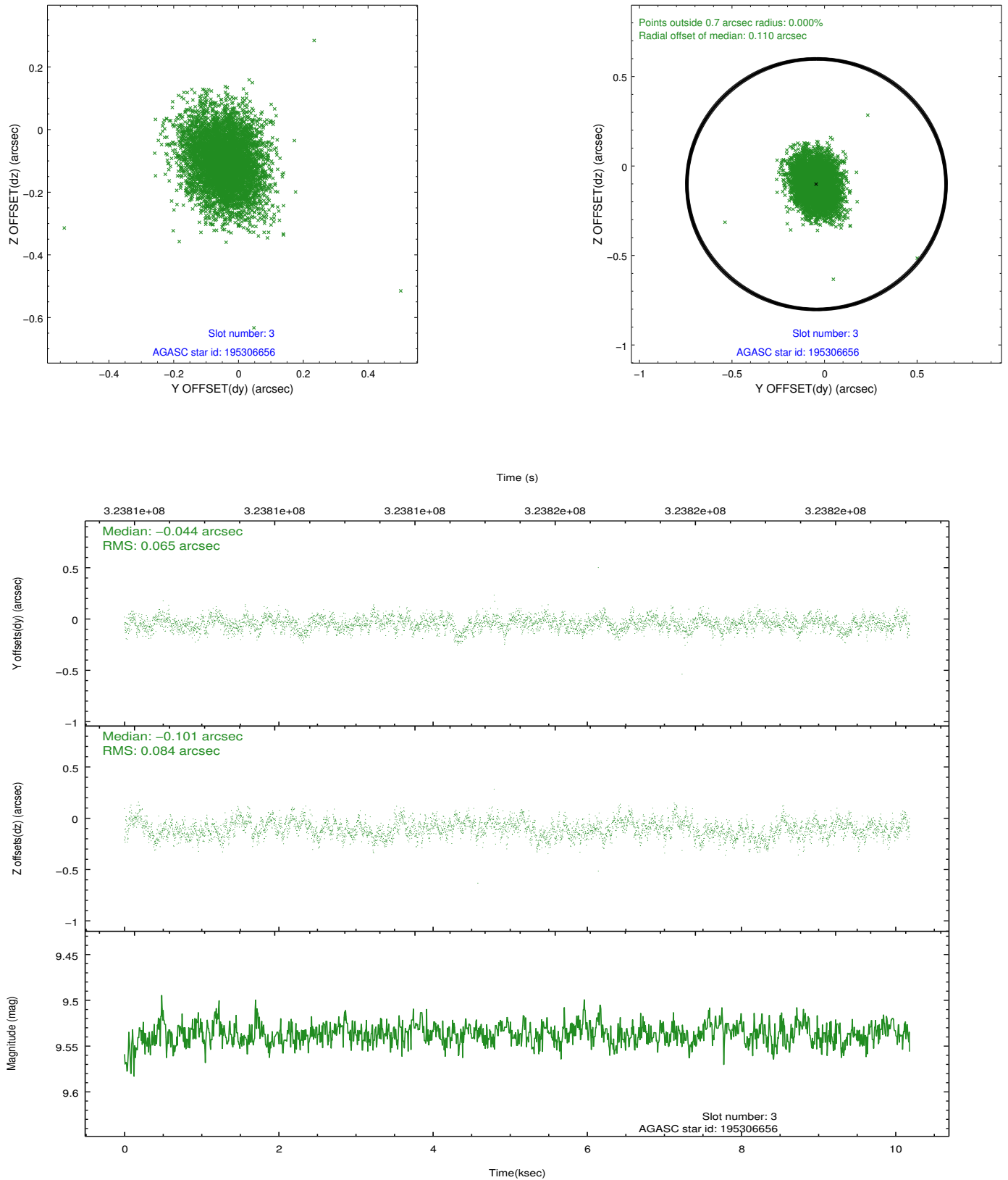


Slot Statistics

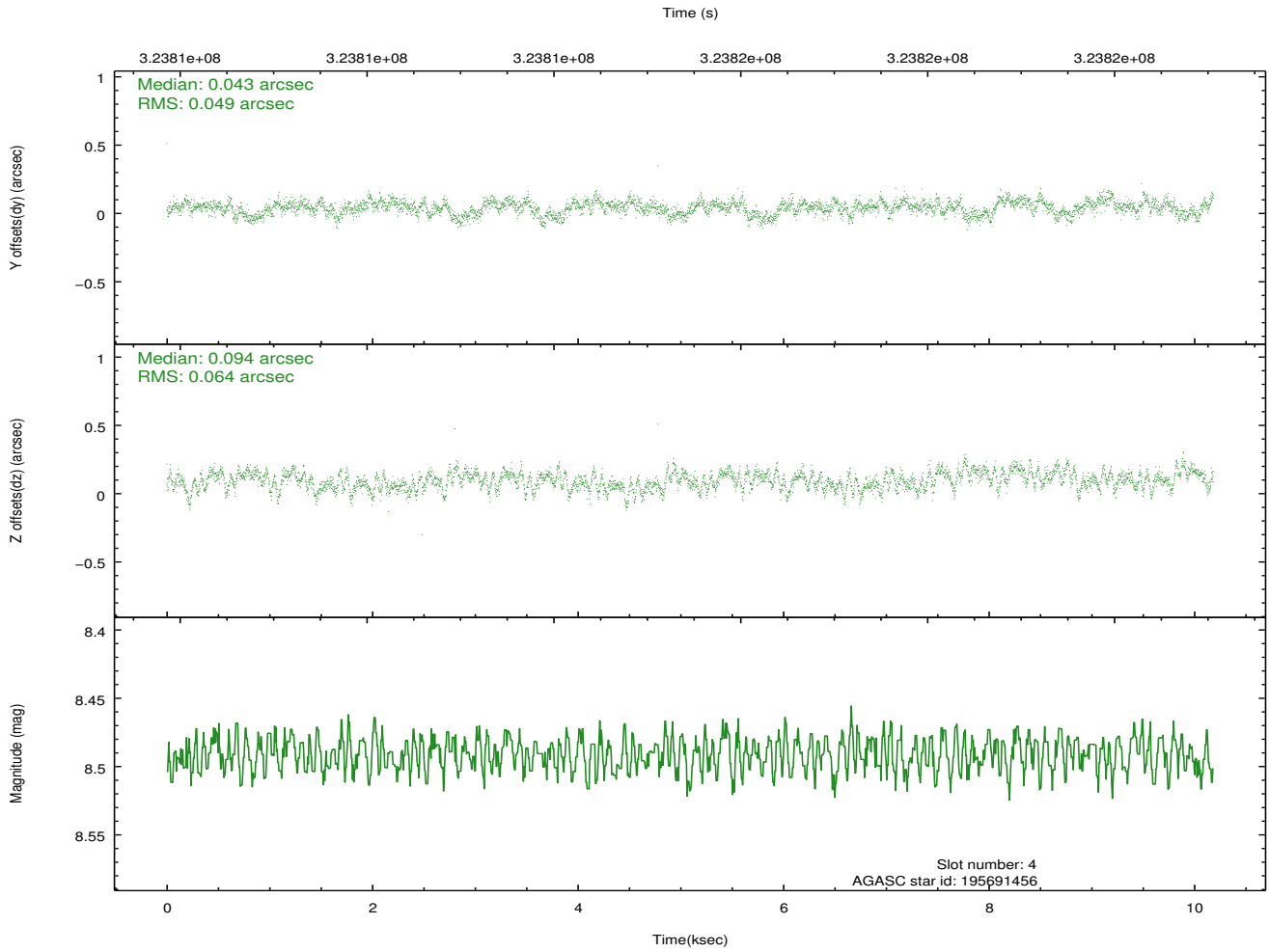
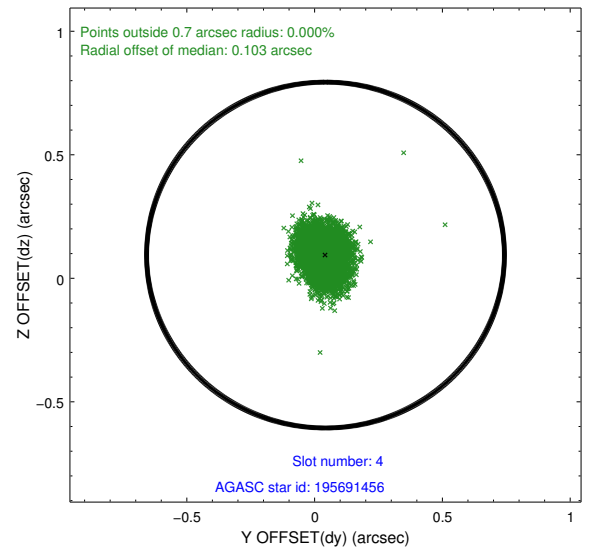
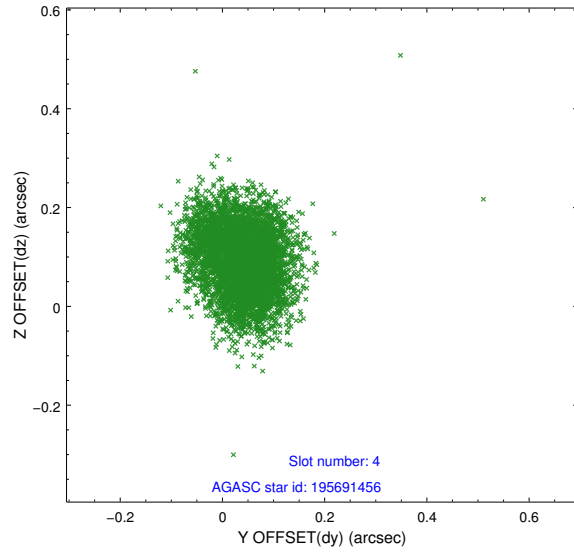
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	2485	-0.039	-0.055	0.009	0.017	0.000000	0.000000	-765.85	-1735.21
1	FID	ACIS-S-4	7.19	2484	0.157	0.033	0.007	0.014	0.000000	0.000000	2147.37	172.83
2	FID	ACIS-S-5	7.23	2485	-0.149	0.030	0.009	0.014	0.000000	0.000000	-1818.15	167.07
3	GUIDE	195306656	9.54	4958	-0.044	-0.101	0.112	0.185	229.619500	19.903420	-252.88	1906.51
4	GUIDE	195691456	8.49	4966	0.043	0.094	0.086	0.136	230.646564	20.396702	-719.28	-1962.53
5	GUIDE	195694840	10.17	4959	-0.083	-0.173	0.130	0.211	229.739536	20.659385	1772.54	43.95
6	GUIDE	195702240	9.45	4966	0.090	0.053	0.103	0.163	230.443985	20.171088	-1013.34	-943.33
7	GUIDE	195569704	10.22	4955	0.001	0.125	0.170	0.277	229.255541	20.157378	1195.16	2410.70

2.4 Star Slots

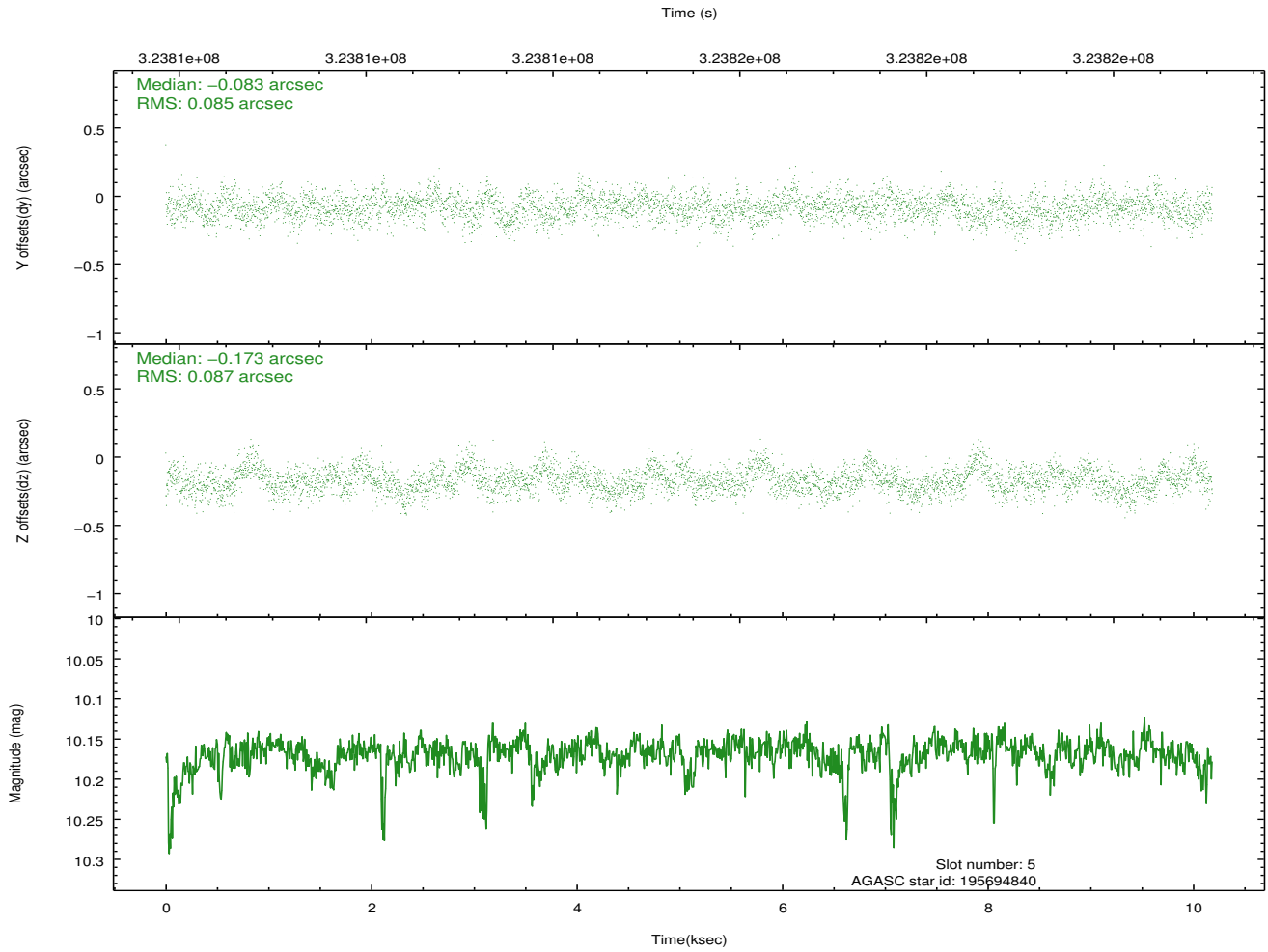
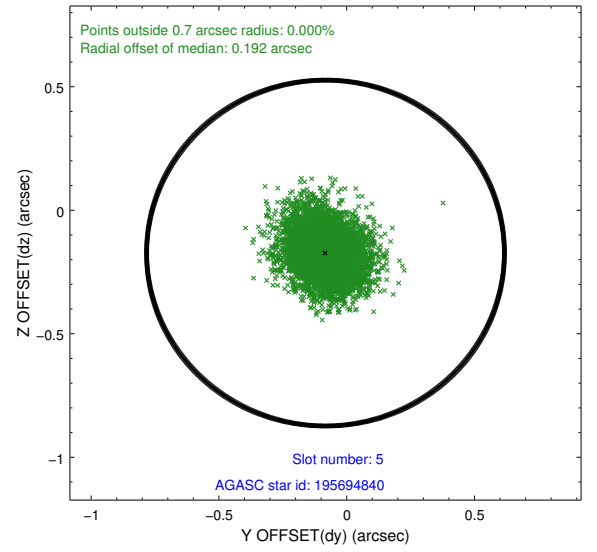
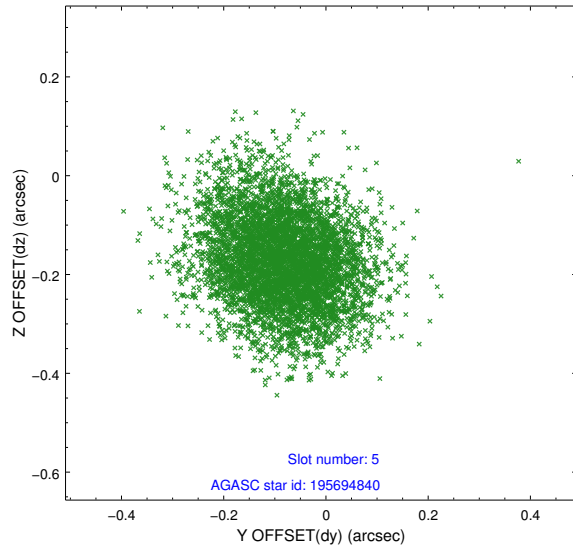
2.4.1 Slot 3



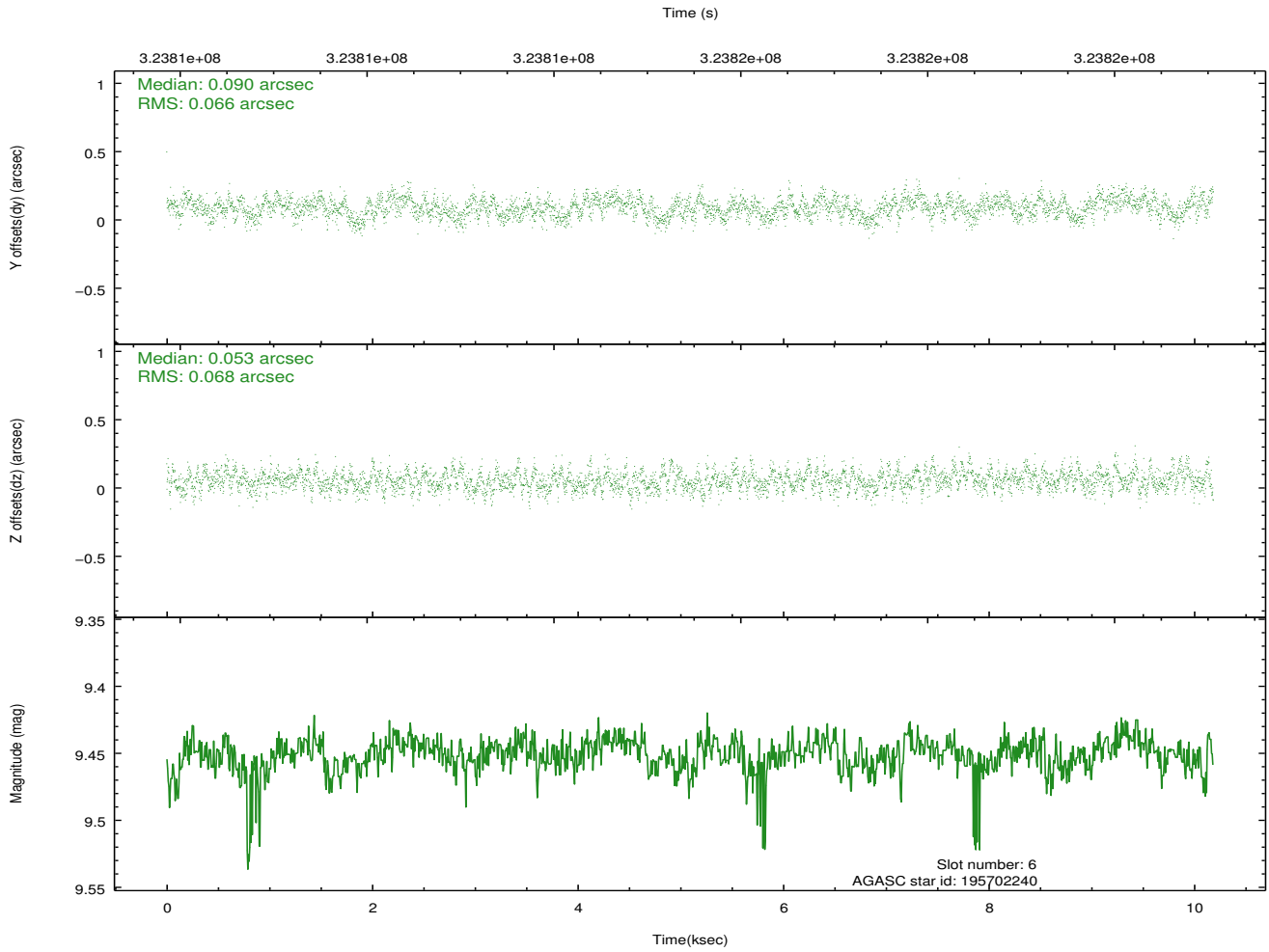
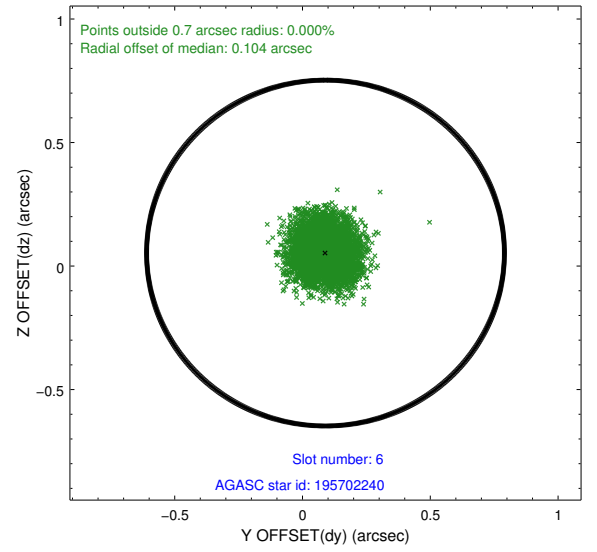
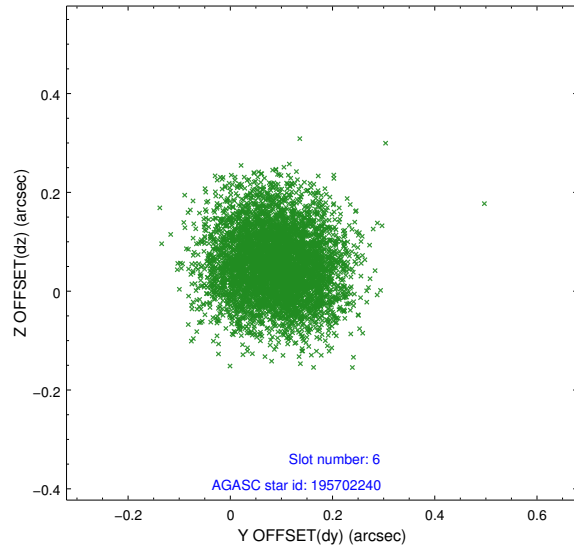
2.4.2 Slot 4



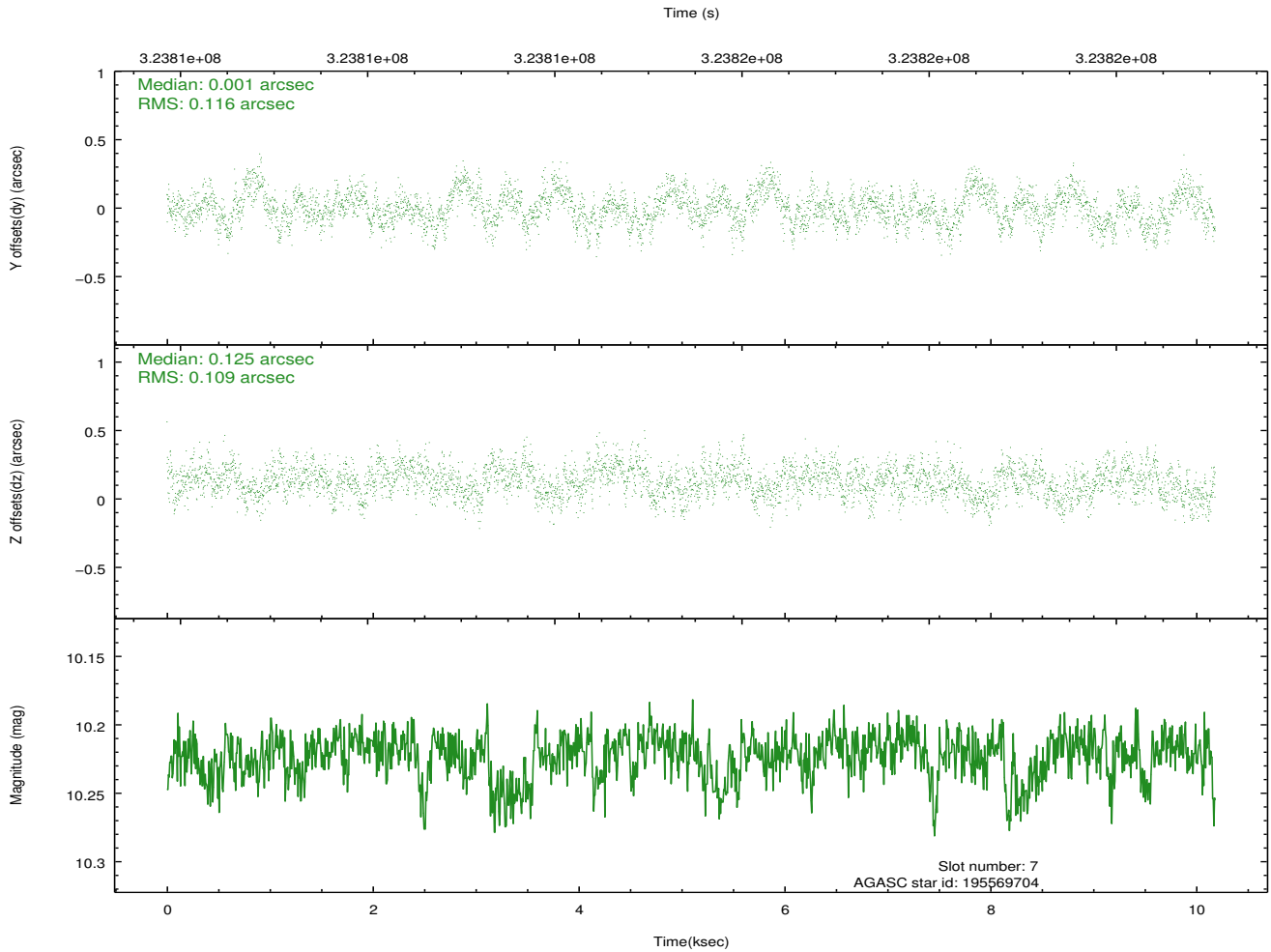
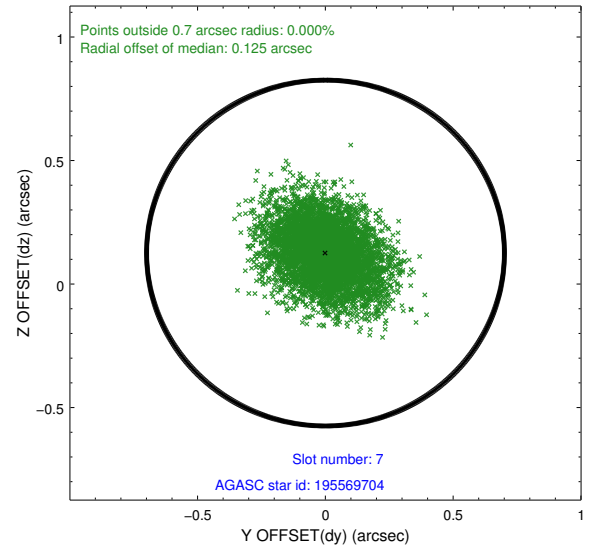
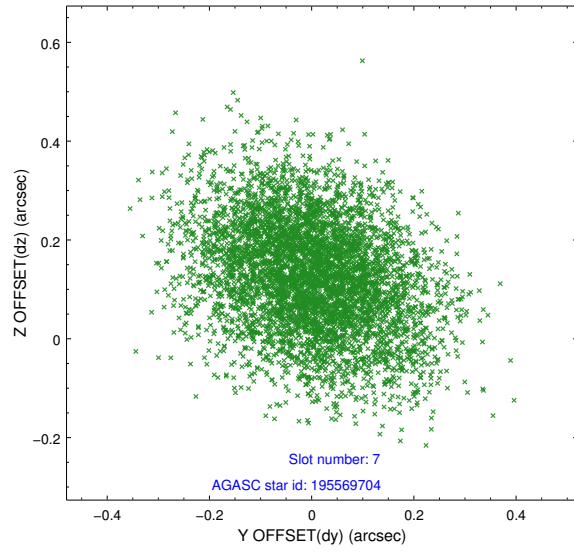
2.4.3 Slot 5



2.4.4 Slot 6

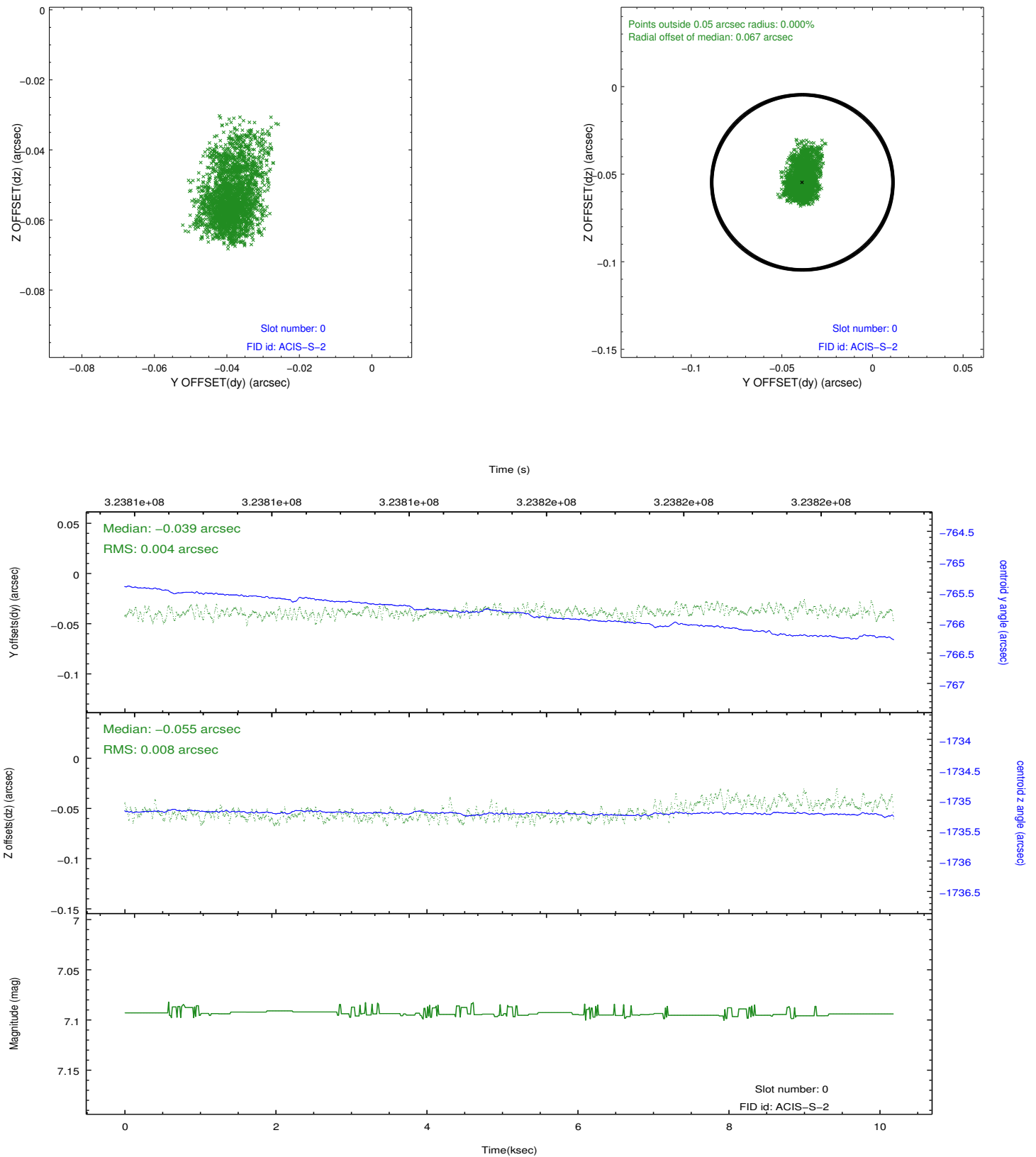


2.4.5 Slot 7

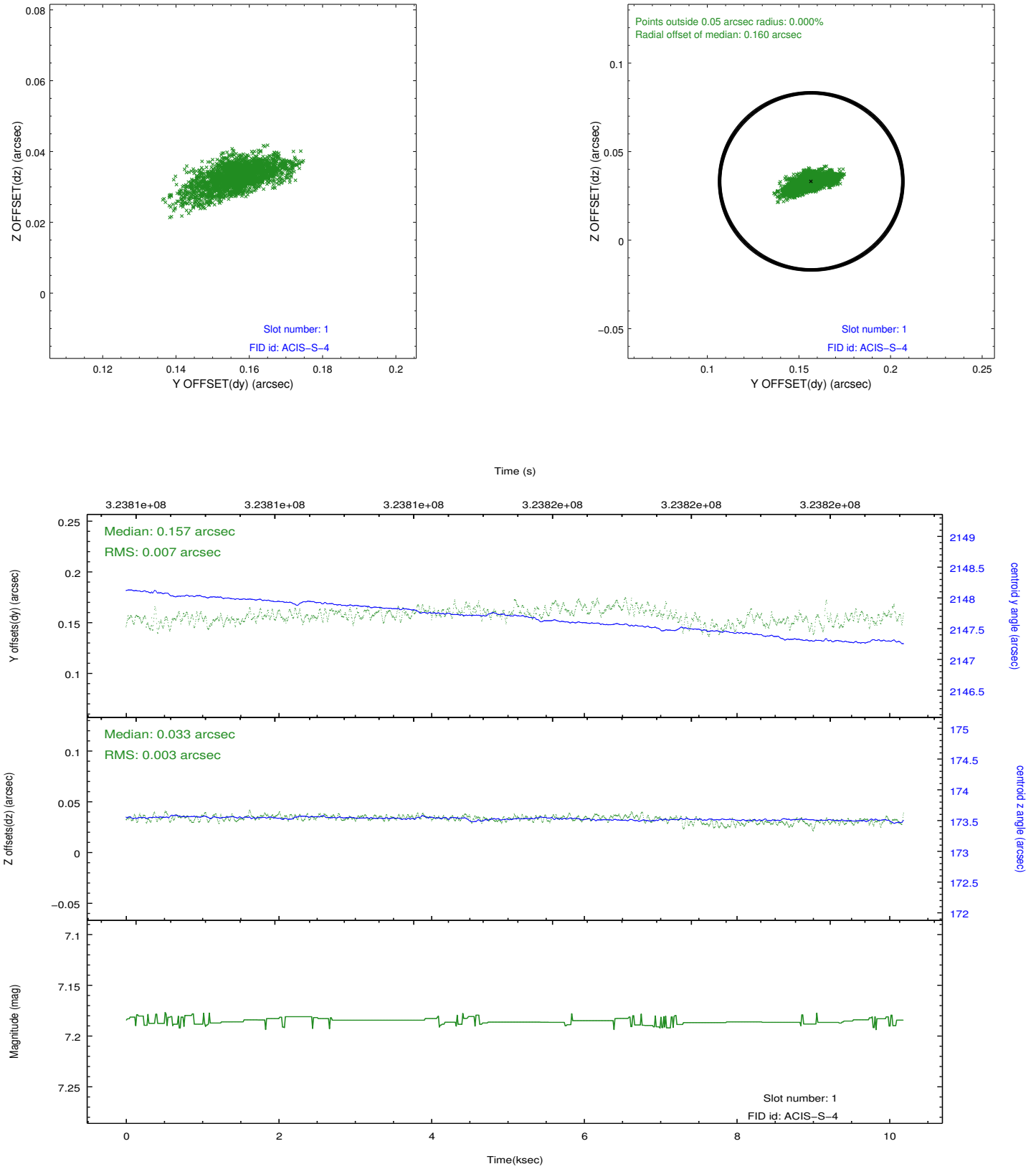


2.5 FID Slots

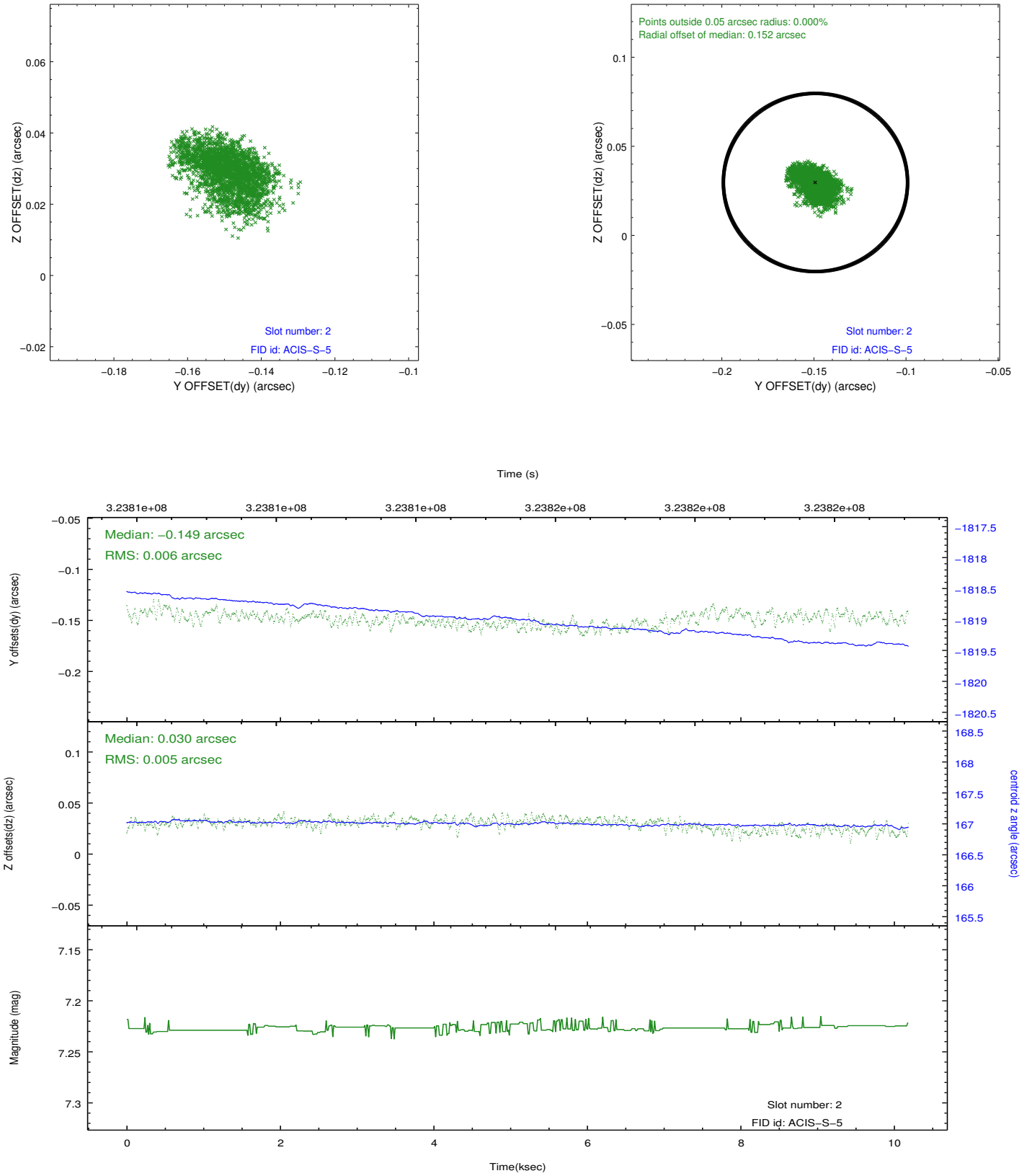
2.5.1 Slot 0



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)	2012.05.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.182

A.2 Comments