

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12747 - L2 Version 2
Chandra X-Ray Center

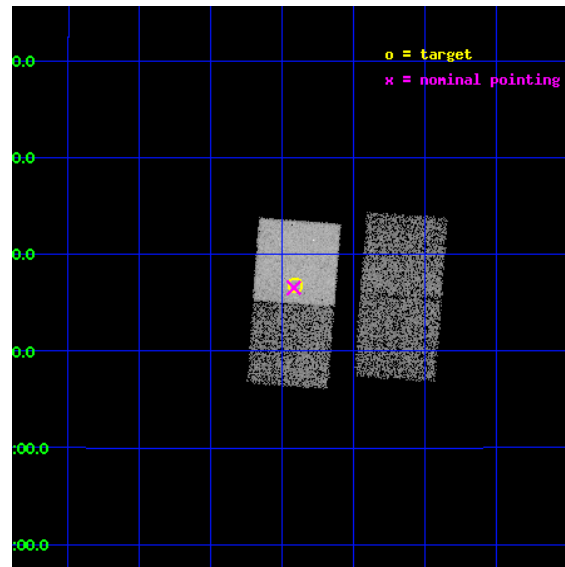
L2 Processing Date : Jul 4 2012

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

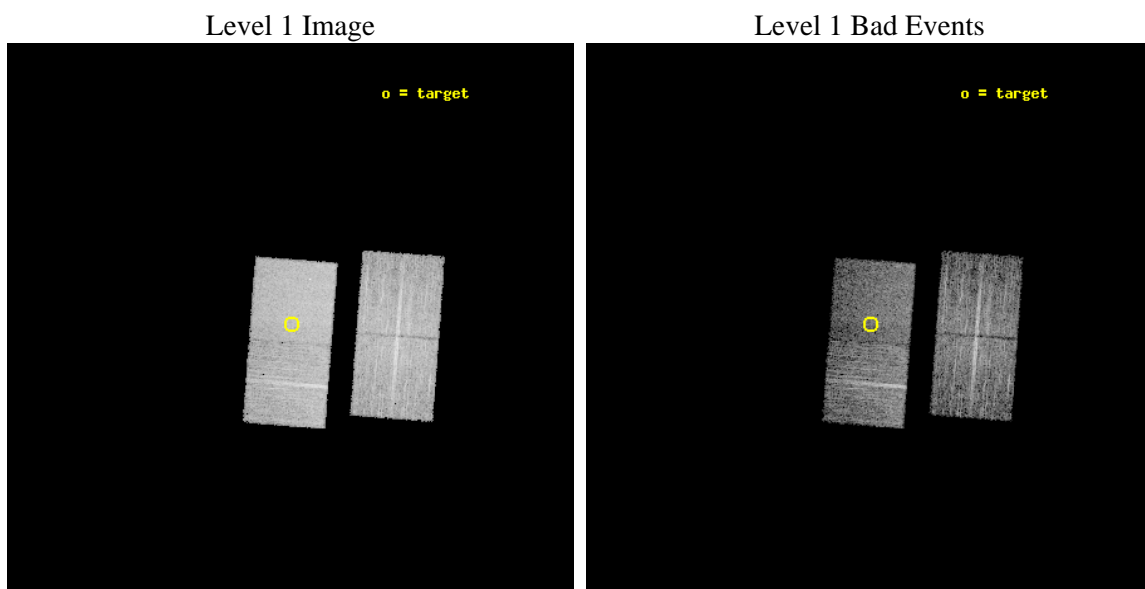
seq_num	702383	Sequence number
obs_id	12747	Observation id
title	Completing the Chandra 3C Snapshot Survey: Extragalactic Radio Sources with $z < 0.3$	Proposal title
observer	Dr. Daniel Harris	Principal investigator
object	3C 458	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	348.226667	Observer's specified target RA [deg]
dec_targ	5.279444	Observer's specified target Dec [deg]
ra_nom	348.22955482001	Nominal RA [deg]
dec_nom	5.2755451059761	Nominal Dec [deg]
roll_nom	274.36552472724	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8050.7000619173	Sum of GTIs [s]
livetime	7945.5117387692	Livetime [s]
ontime2	8050.7000619173	Sum of GTIs [s]
ontime3	8047.5590316057	Sum of GTIs [s]
ontime6	8050.7000619173	Sum of GTIs [s]
ontime7	8050.7000619173	Sum of GTIs [s]
l2events	48526	Number of level 2 events



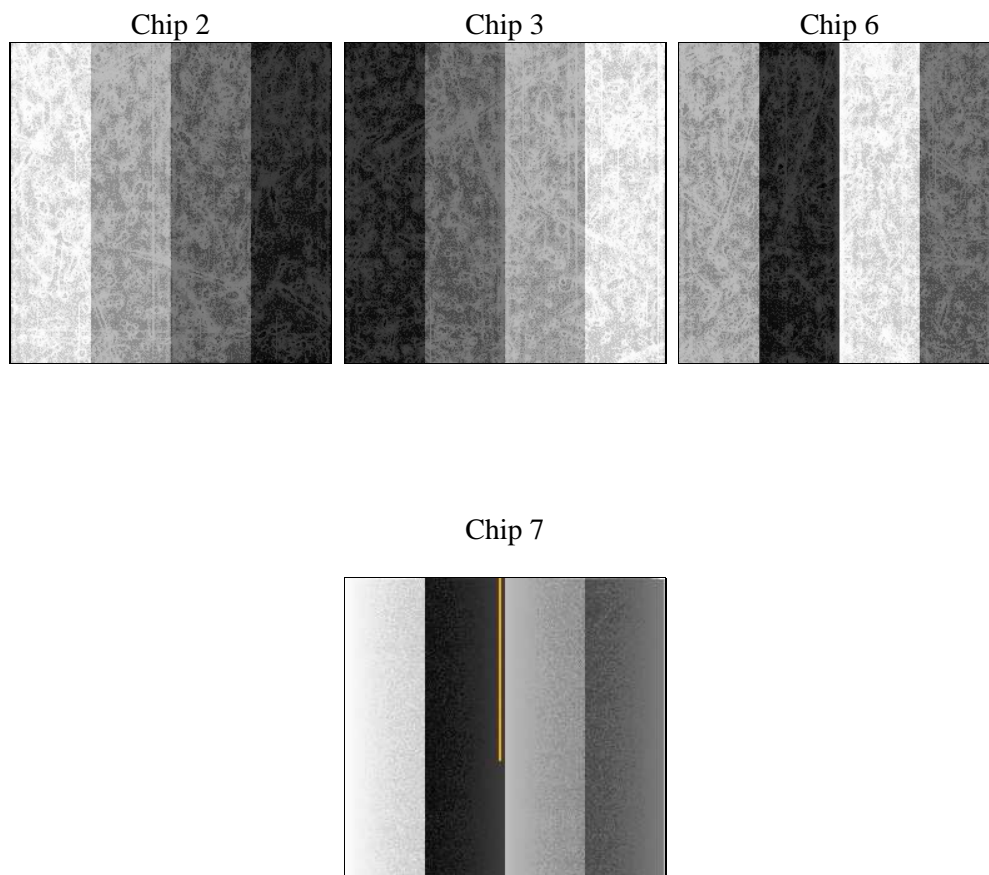
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	8050.7000619173	Sum of GTIs [s]
caldsver	4.5.0	 	ontime2	8050.7000619173	Sum of GTIs [s]
date	2012-07-04T15:59:50	Date and time of file creation	ontime3	8047.5590316057	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8050.7000619173	Sum of GTIs [s]
			ontime7	8050.7000619173	Sum of GTIs [s]
			l1events	250071	Number of level 1 events

2.1.4 Events

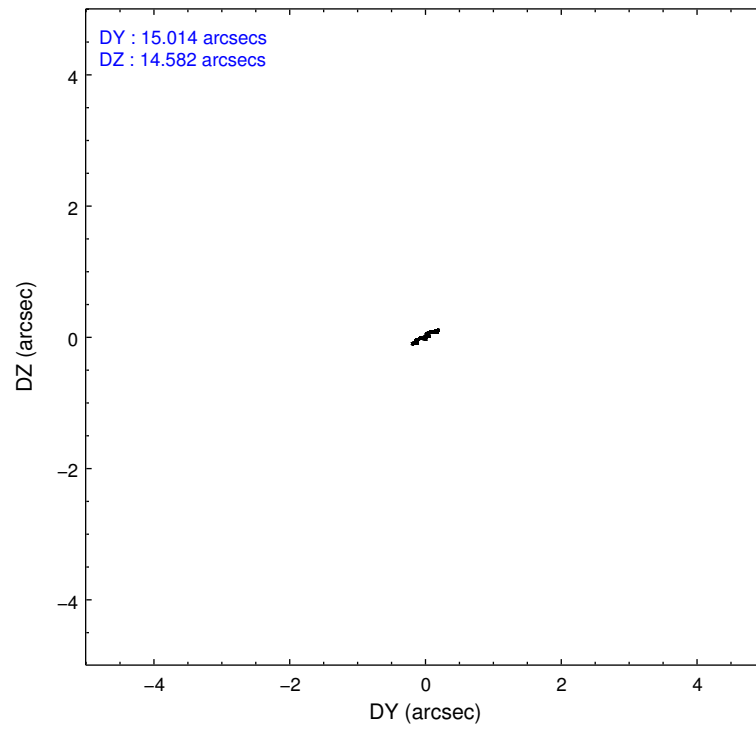
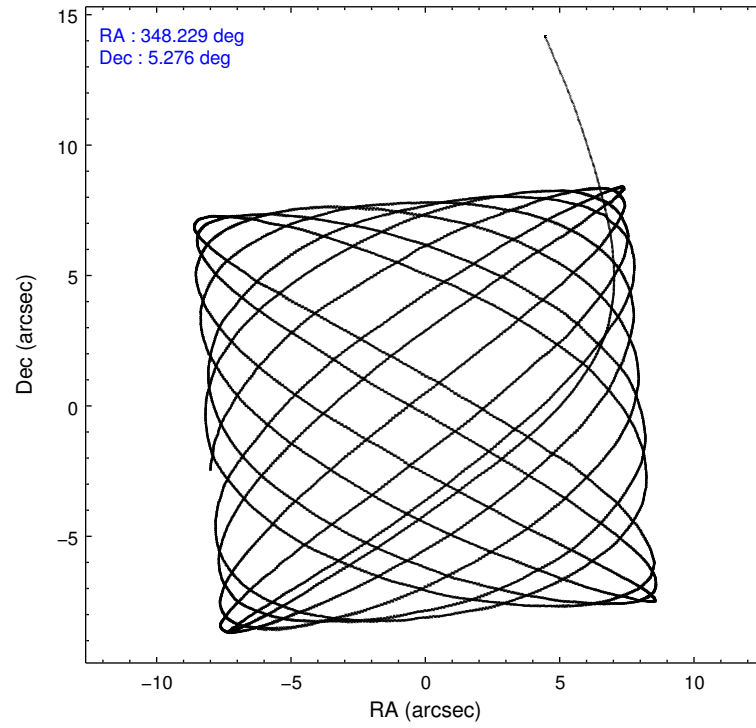
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	58017	57294	60978	73782
rejected events	51917	51259	54385	40488
rejected %	89%	89%	89%	54%

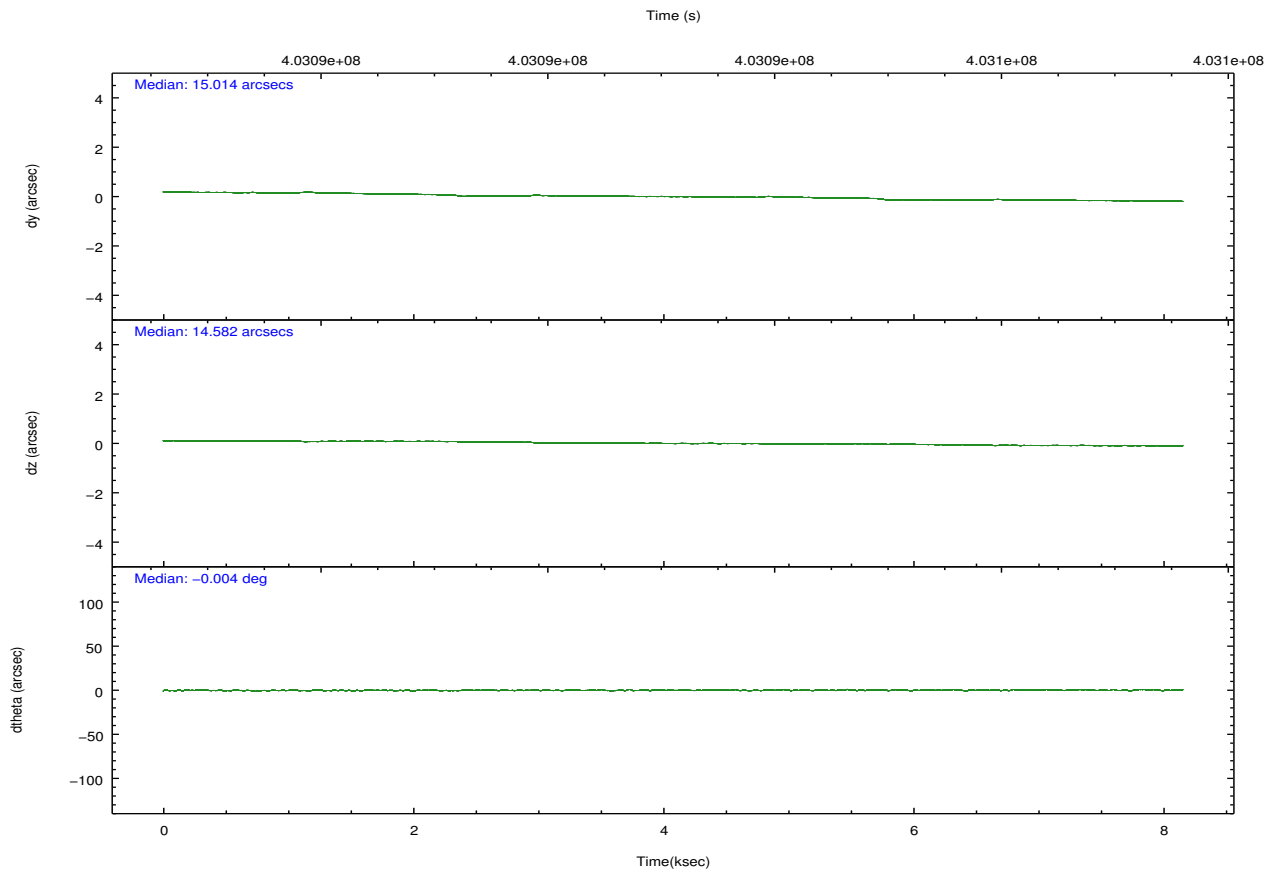
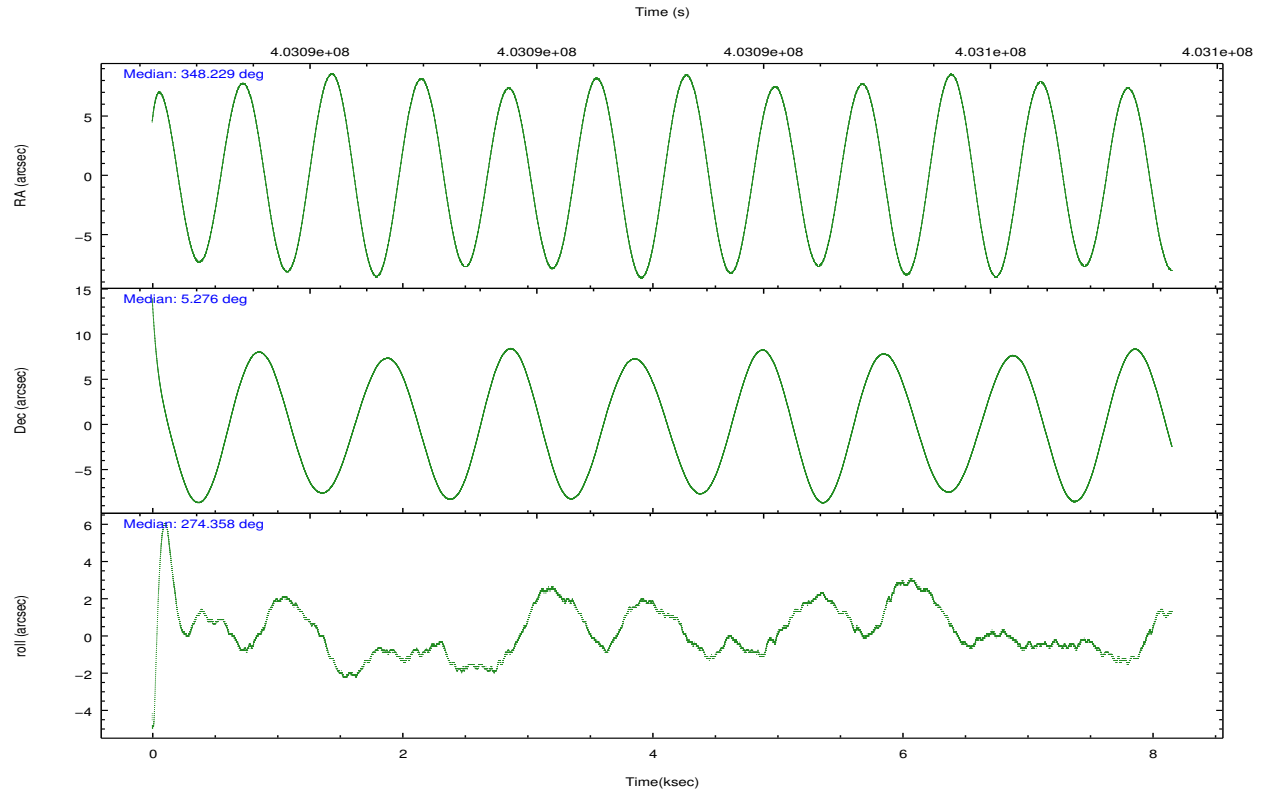
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2215	2095	2244	3137
	3%	3%	3%	4%
grade 1 events	31	30	33	102
	0%	0%	0%	0%
grade 2 events	1401	1324	1508	6776
	2%	2%	2%	9%
grade 3 events	609	701	672	3044
	1%	1%	1%	4%
grade 4 events	647	706	671	2988
	1%	1%	1%	4%
grade 5 events	2319	2781	2821	7761
	3%	4%	4%	10%
grade 6 events	1236	1217	1506	17377
	2%	2%	2%	23%
grade 7 events	49559	48440	51523	32597
	85%	84%	84%	44%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-2367	ACIS-2367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	348.213727	348.2295548200094	CCD I2 on	O1	Y
[deg] Pointing Dec	5.297886	5.275545105976077	CCD I3 on	O2	Y
[deg] Pointing Roll	274.210371	274.3655247272354	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	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	N	N
[s] Observation start time (MET)	403089175.184000	403087601.61719	CCD S5 on	N	N
Observation start date	2010-10-10T09:11:49	2010-10-10T08:46:41	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	403097175.184000	403097626.11771	On-chip summing requested	N	N
Observation end date	2010-10-10T11:25:09	2010-10-10T11:33:46	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



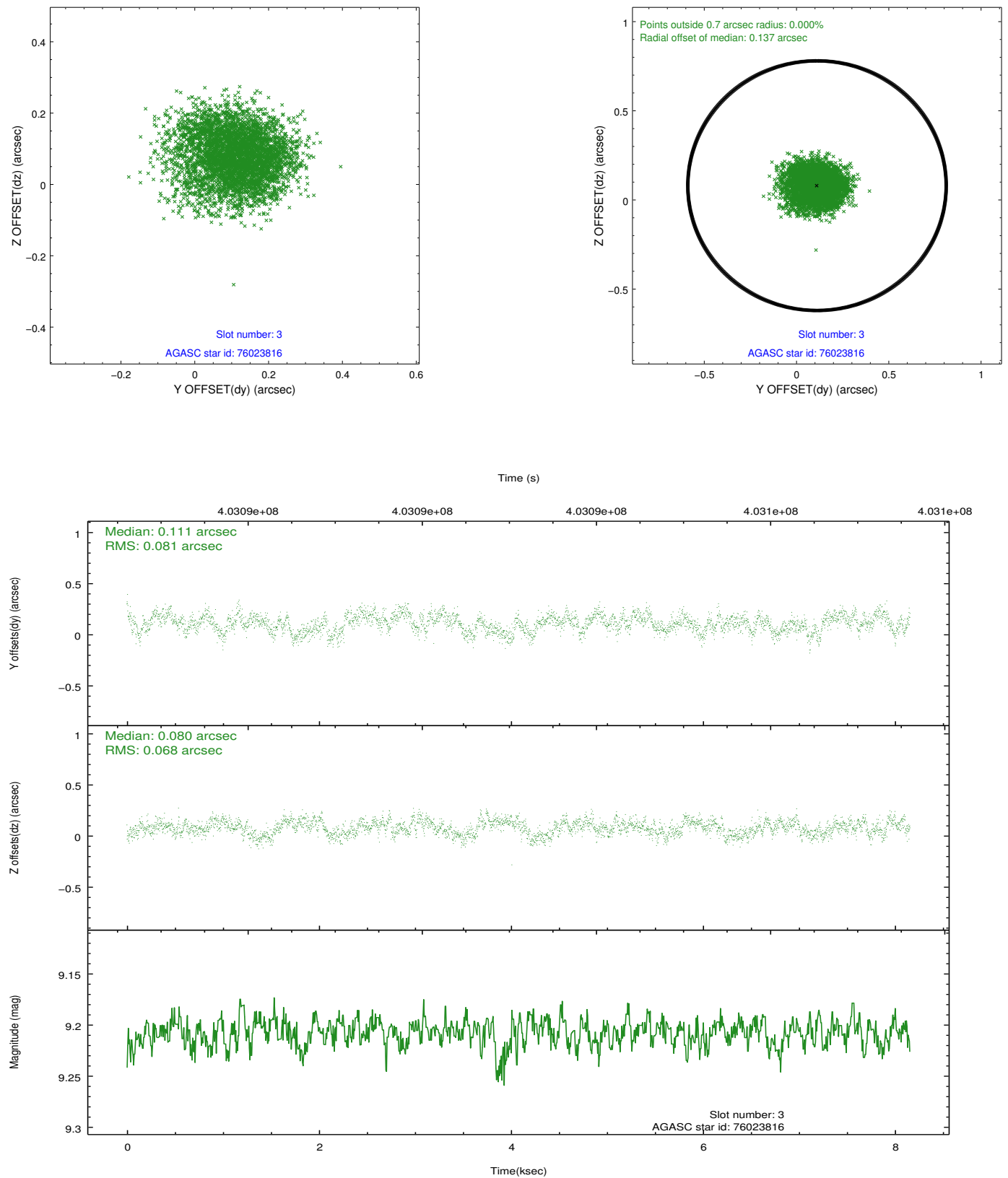


Slot Statistics

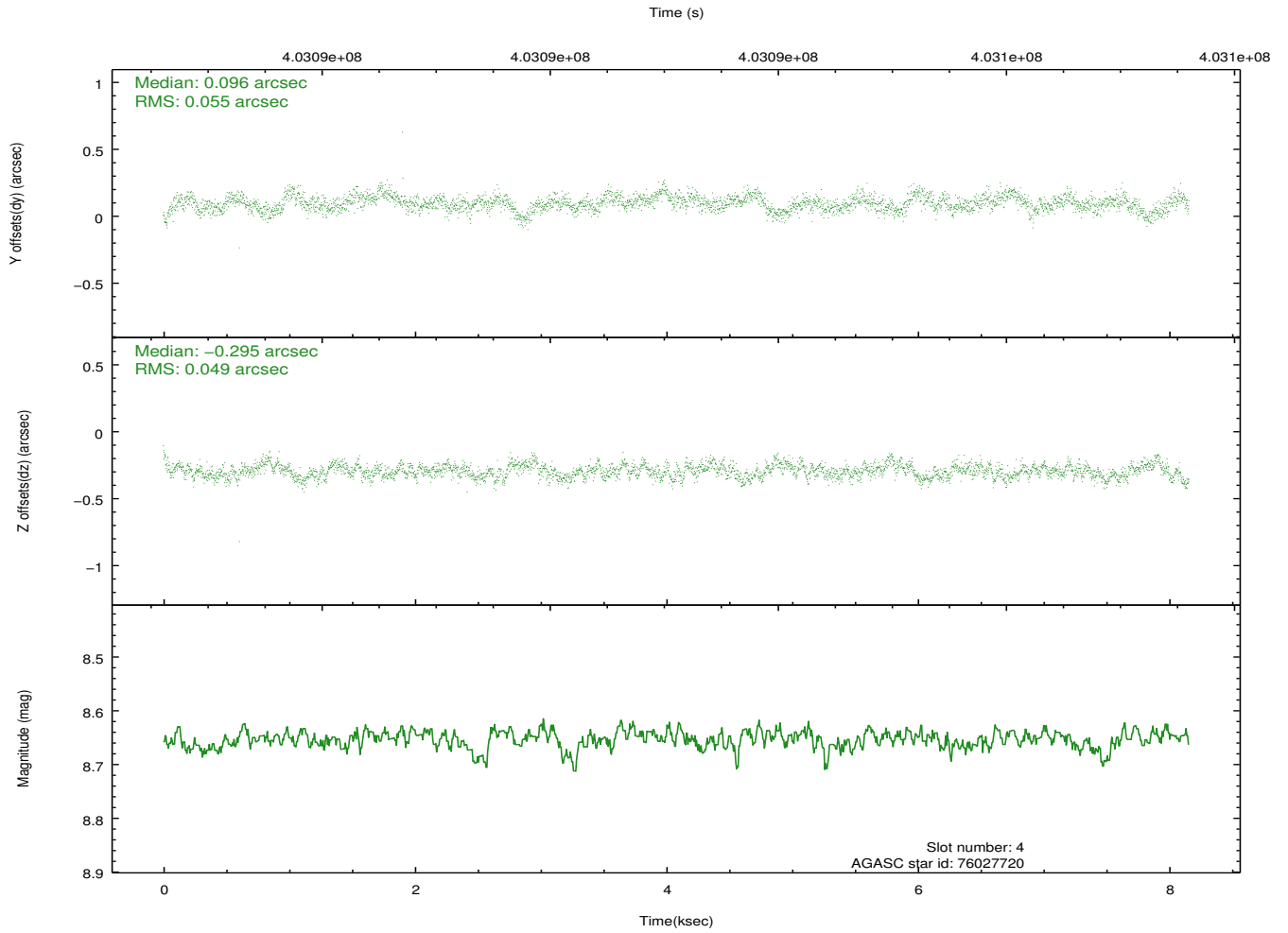
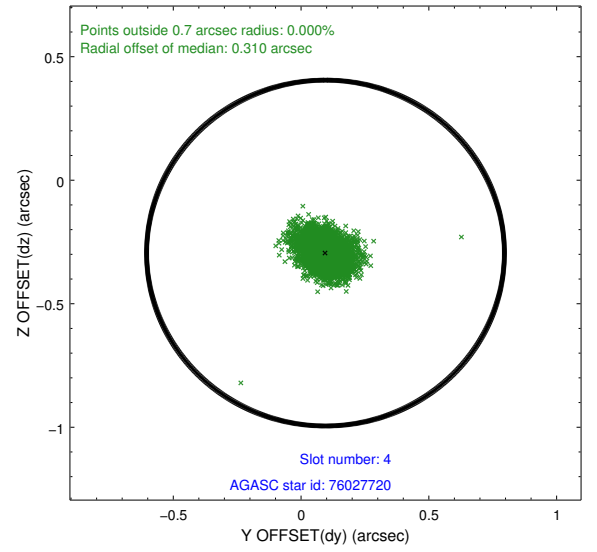
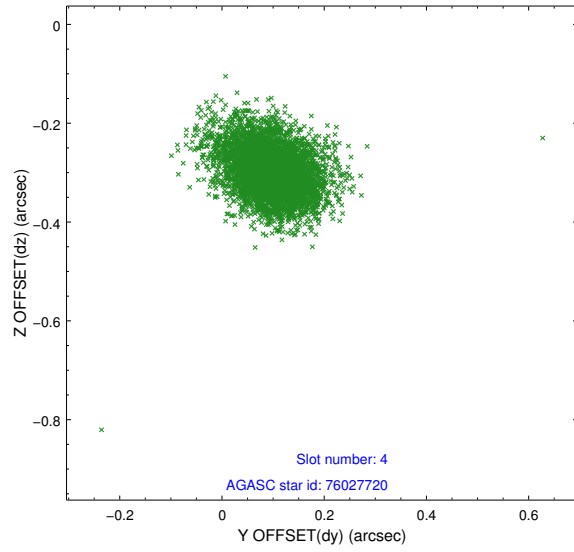
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.98	1990	-0.103	-0.049	0.007	0.012	0.000000	0.000000	-768.07	-1736.01
1	FID	ACIS-S-4	7.06	1990	0.224	0.063	0.005	0.009	0.000000	0.000000	2145.21	171.89
2	FID	ACIS-S-5	7.09	1990	-0.152	-0.005	0.007	0.013	0.000000	0.000000	-1820.09	166.25
3	GUIDE	76023816	9.21	3977	0.111	0.080	0.115	0.179	347.953107	4.720762	2004.08	-1083.93
4	GUIDE	76027720	8.65	3973	0.096	-0.295	0.077	0.128	348.256110	4.774612	1890.98	13.23
5	GUIDE	76425472	8.65	3977	-0.059	-0.151	0.099	0.152	348.774530	5.497545	-569.65	2056.96
6	GUIDE	76415056	9.32	3973	-0.070	0.410	0.117	0.191	347.789202	5.211929	196.79	-1539.45
7	GUIDE	76422208	8.97	3972	-0.079	-0.037	0.097	0.151	348.313448	5.738752	-1556.18	471.73

2.4 Star Slots

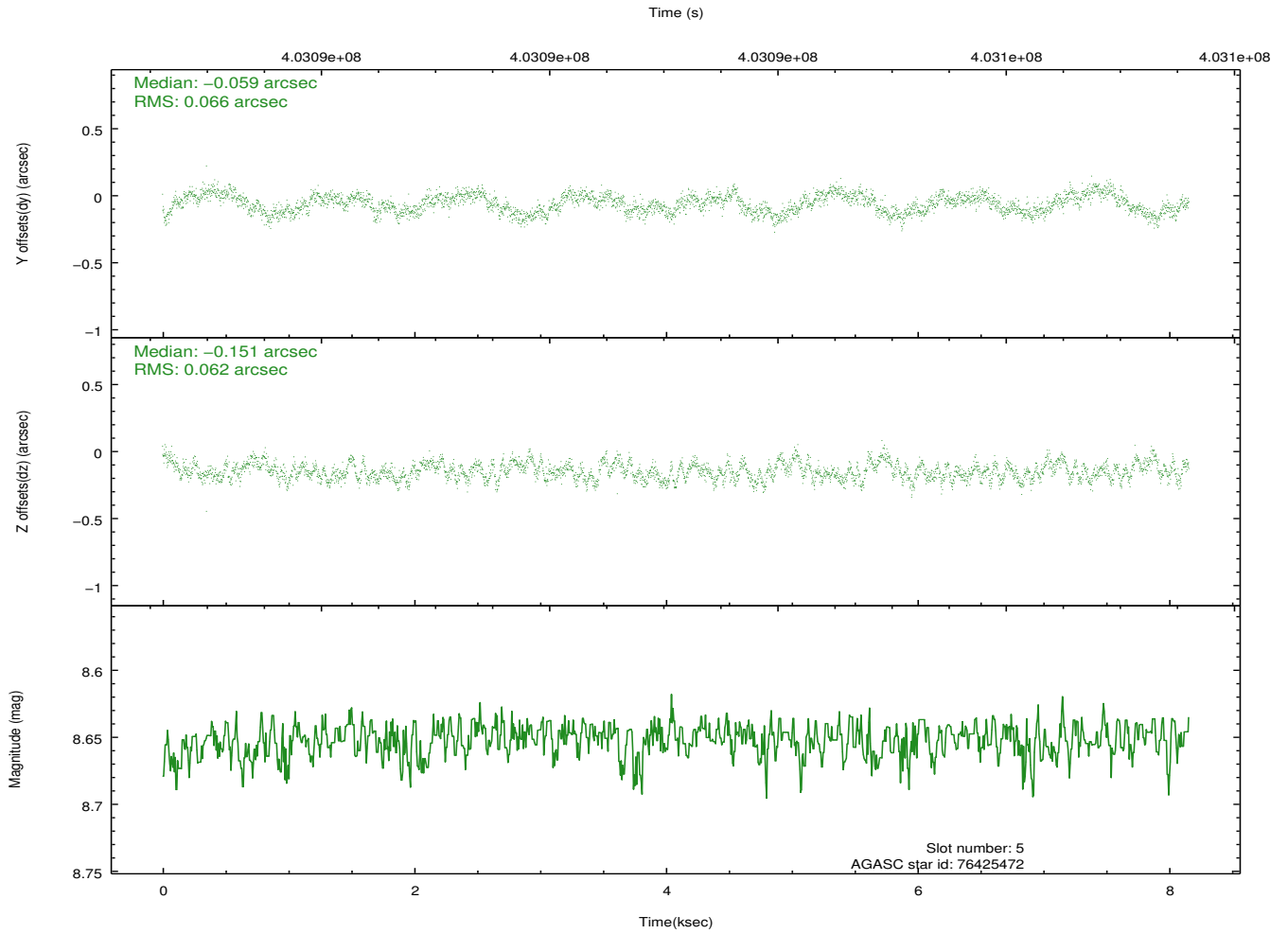
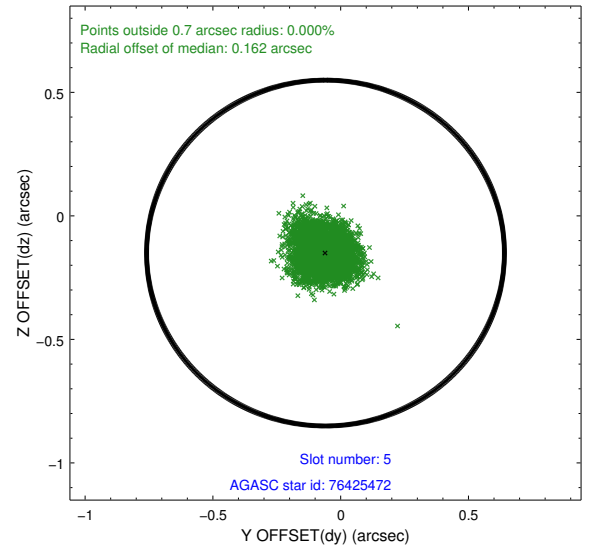
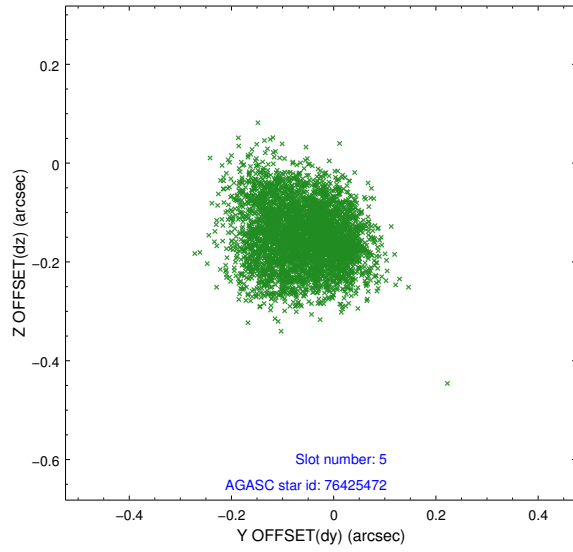
2.4.1 Slot 3



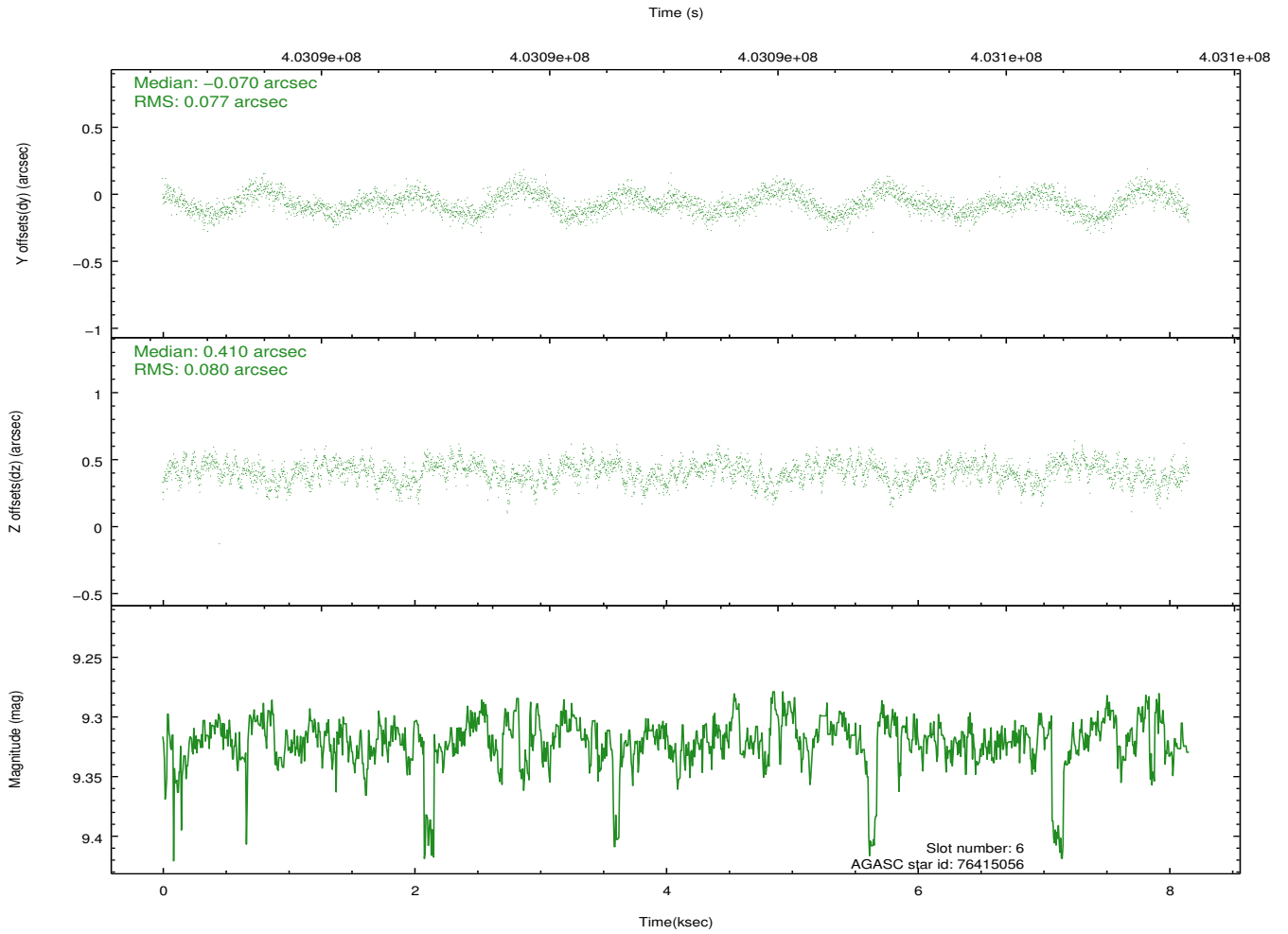
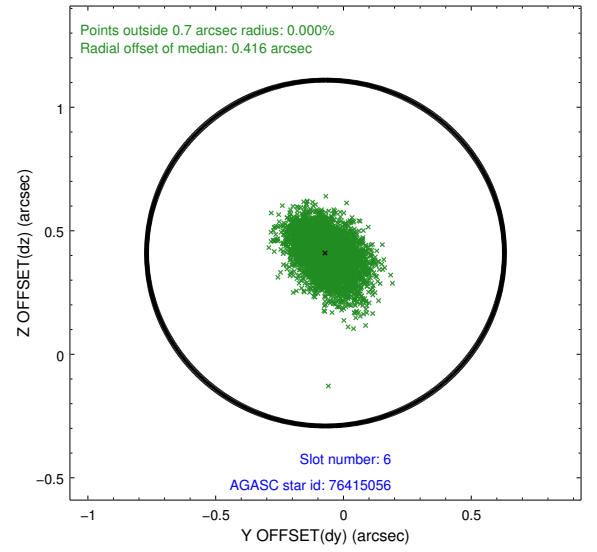
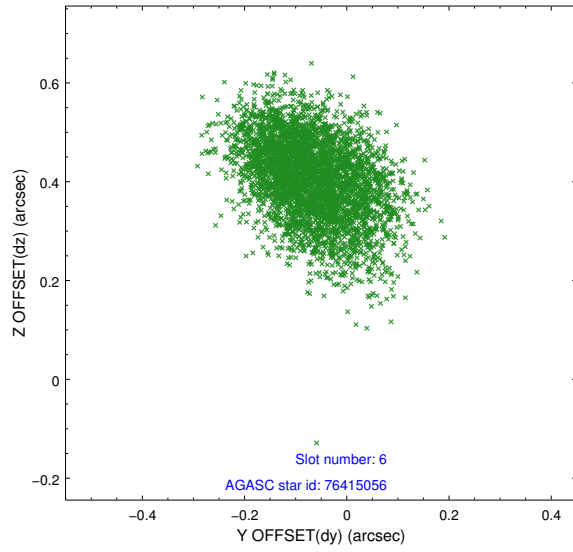
2.4.2 Slot 4



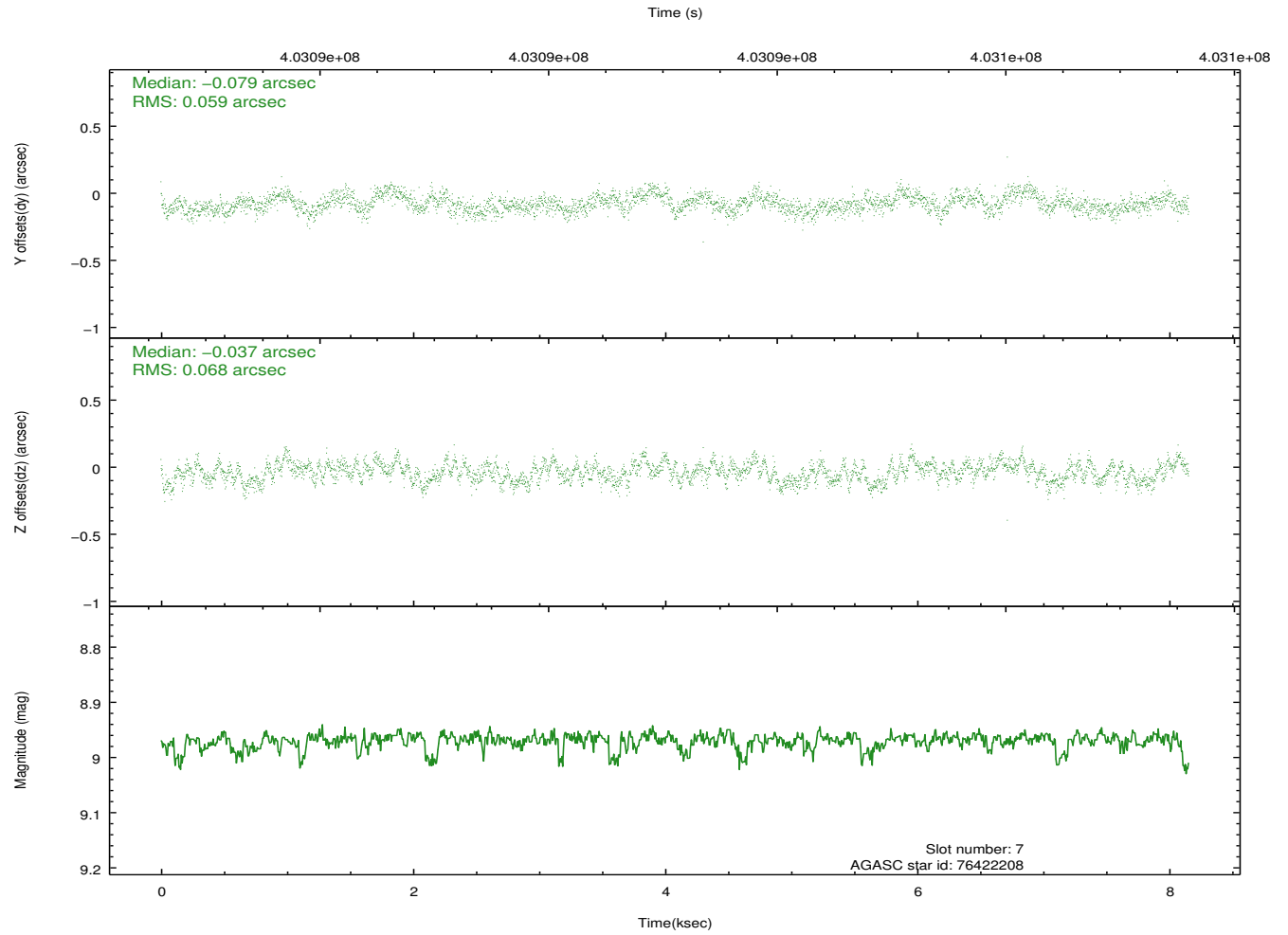
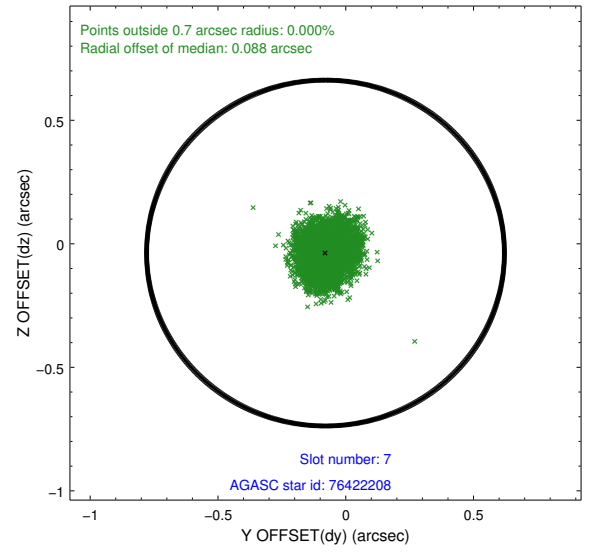
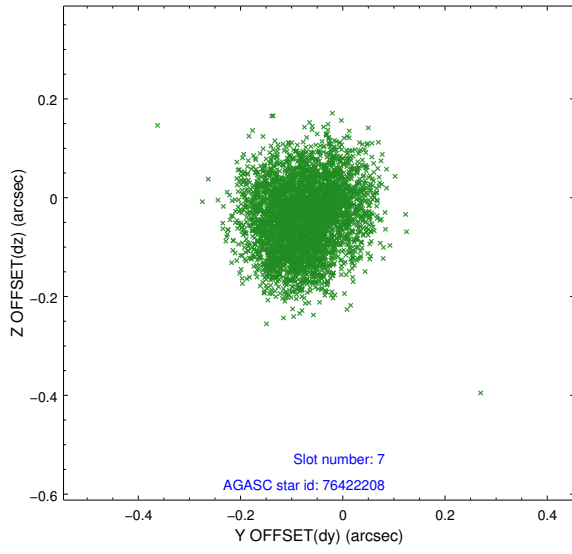
2.4.3 Slot 5



2.4.4 Slot 6

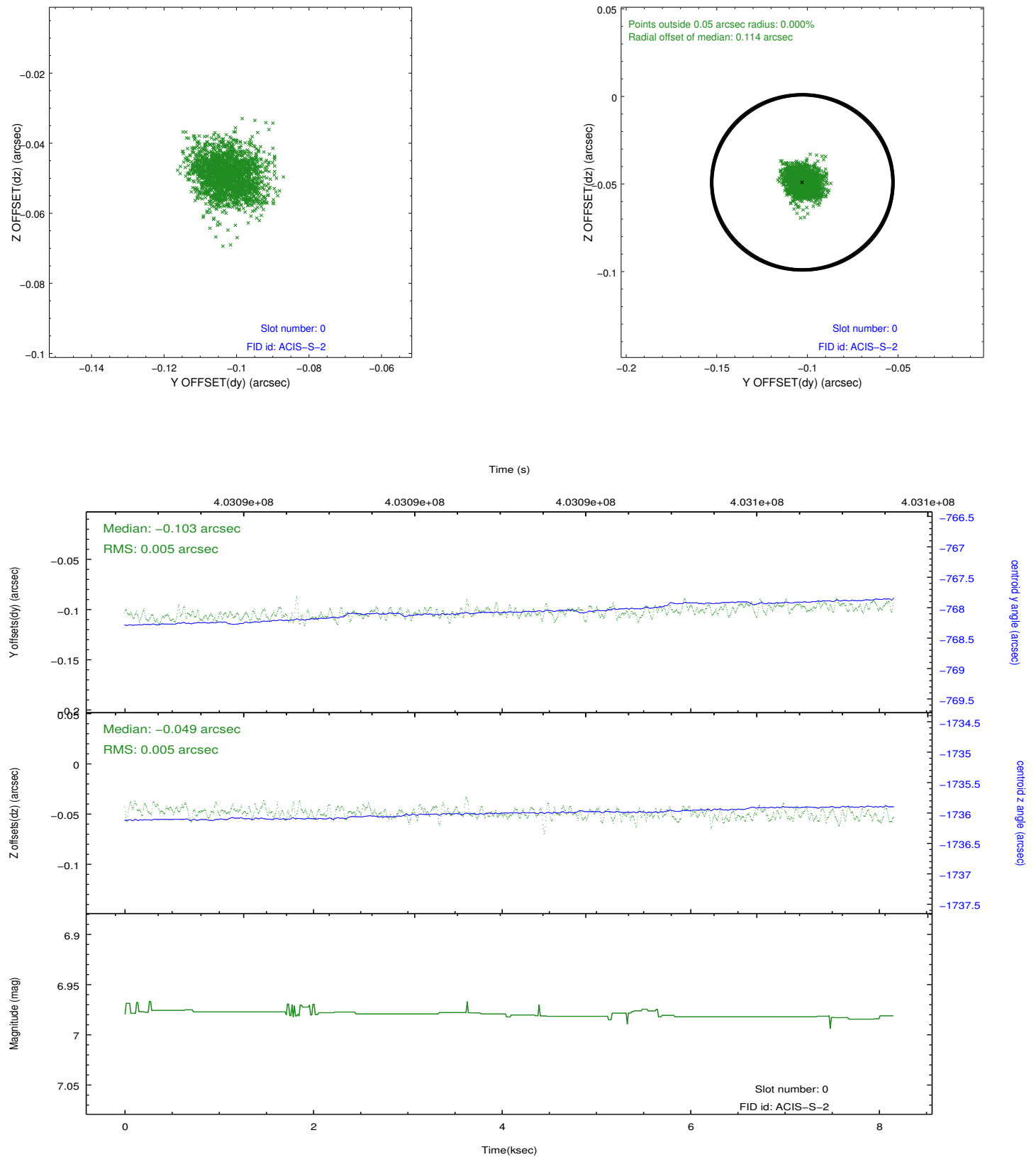


2.4.5 Slot 7

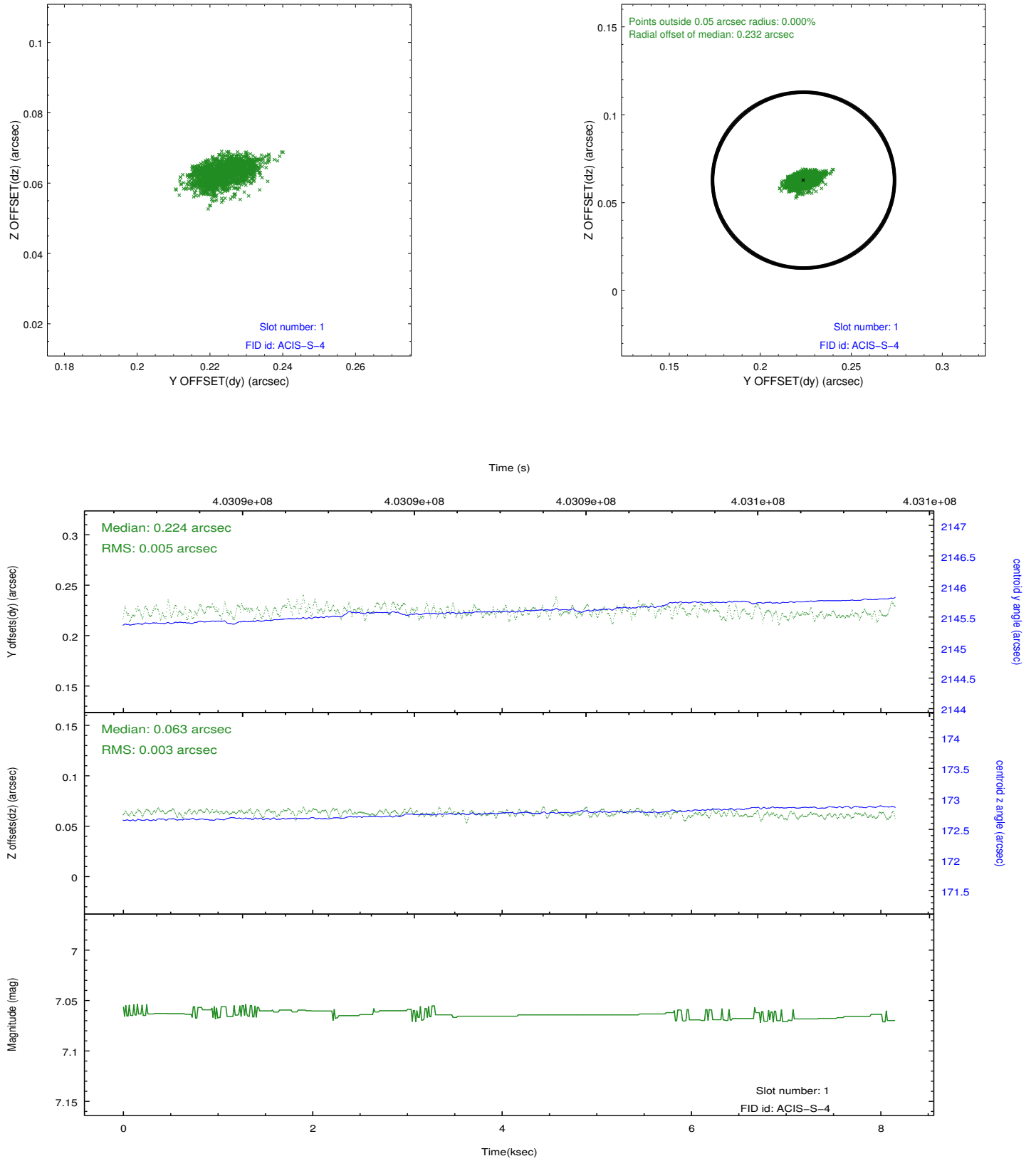


2.5 FID Slots

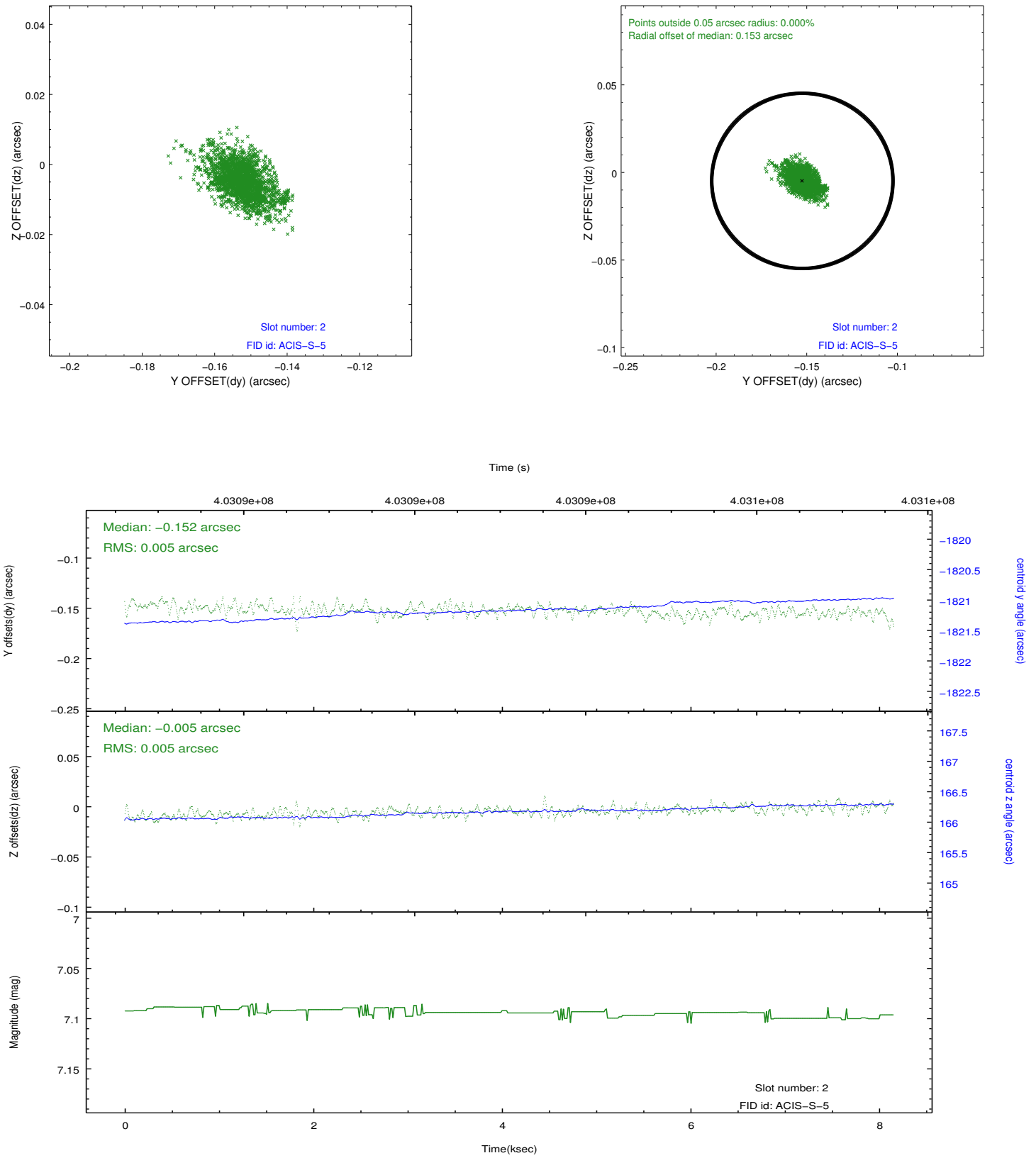
2.5.1 Slot 0



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)	2012.07.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0507000619173

A.2 Comments

There is no source at the user-specified coordinates. There is a source at ra = 23:12:52.079, dec = +05:16:49.43.