

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 12740 - L2 Version 2
Chandra X-Ray Center

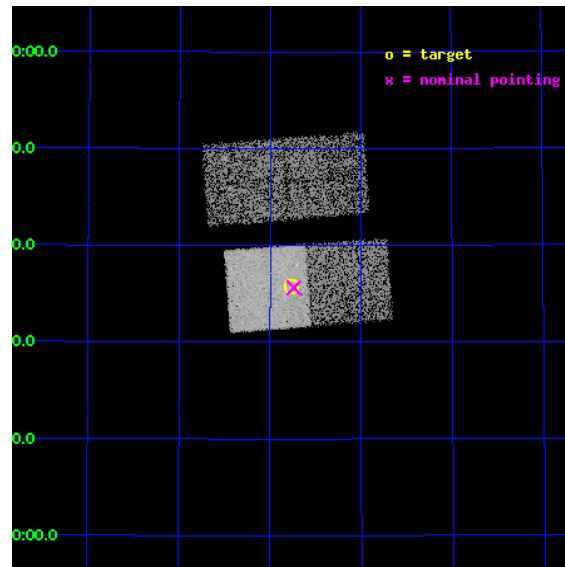
L2 Processing Date : Mar 19 2012

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1 Front

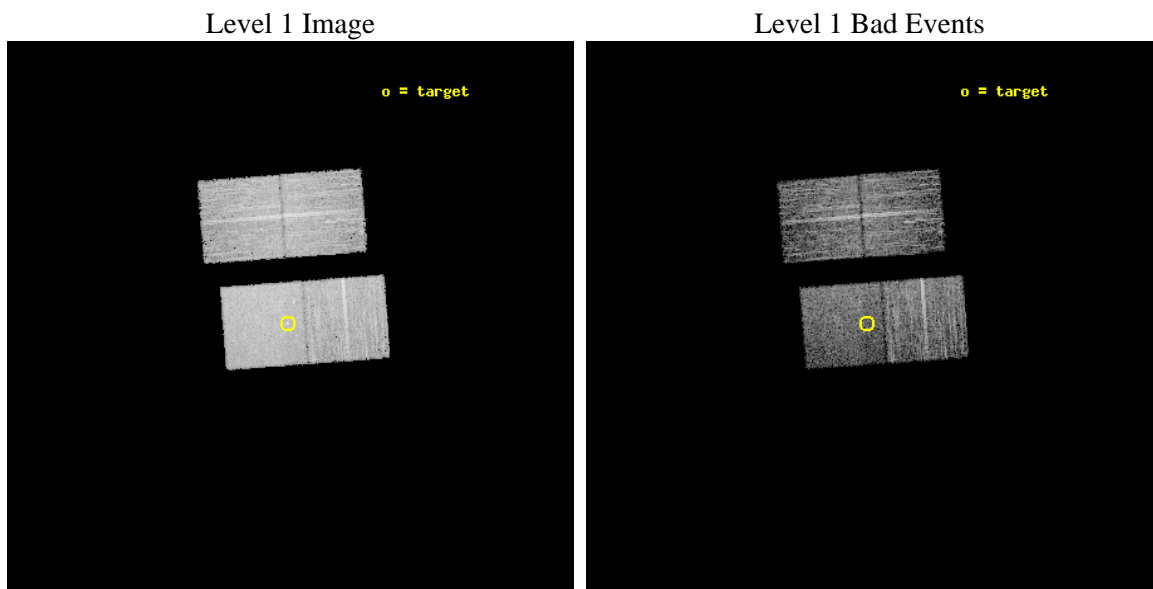
seq_num	702376	Sequence number
obs_id	12740	Observation id
title	Completing the Chandra 3C Snapshot Survey: Extragalactic Radio Sources with $z < 0.3$	Proposal title
observer	Dr. Daniel Harris	Principal investigator
object	3C 402	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	295.441667	Observer's specified target RA [deg]
dec_targ	50.595806	Observer's specified target Dec [deg]
ra_nom	295.43478624058	Nominal RA [deg]
dec_nom	50.593633739851	Nominal Dec [deg]
roll_nom	175.65726497613	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8053.0080507994	Sum of GTIs [s]
livetime	7947.7895720774	Livetime [s]
ontime2	8052.8849307895	Sum of GTIs [s]
ontime3	8052.9259707928	Sum of GTIs [s]
ontime6	8052.9670107961	Sum of GTIs [s]
ontime7	8053.0080507994	Sum of GTIs [s]
l2events	41913	Number of level 2 events



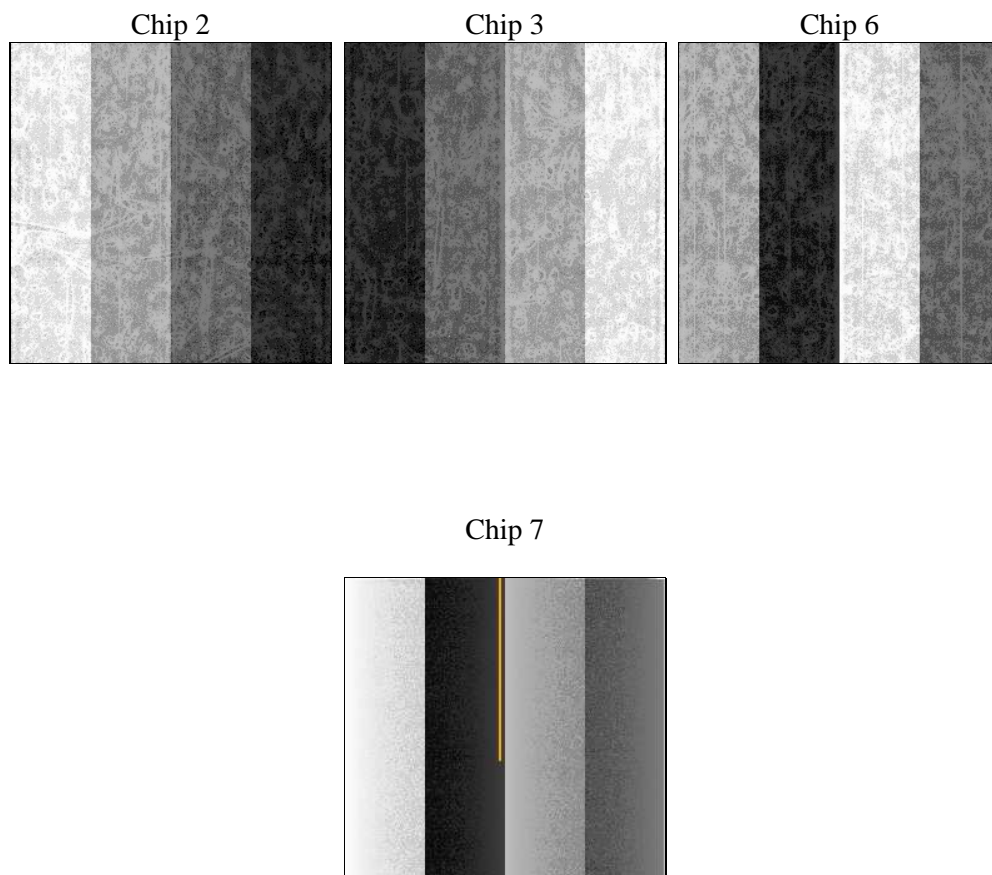
2 OBI

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	8.4.3	Processing system revision	ontime	8053.0080507994	Sum of GTIs [s]
caldbver	4.4.8	 	ontime2	8052.8849307895	Sum of GTIs [s]
date	2012-03-19T11:07:17	Date and time of file creation	ontime3	8052.9259707928	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8052.9670107961	Sum of GTIs [s]
			ontime7	8053.0080507994	Sum of GTIs [s]
			l1events	206375	Number of level 1 events

2.1.4 Events

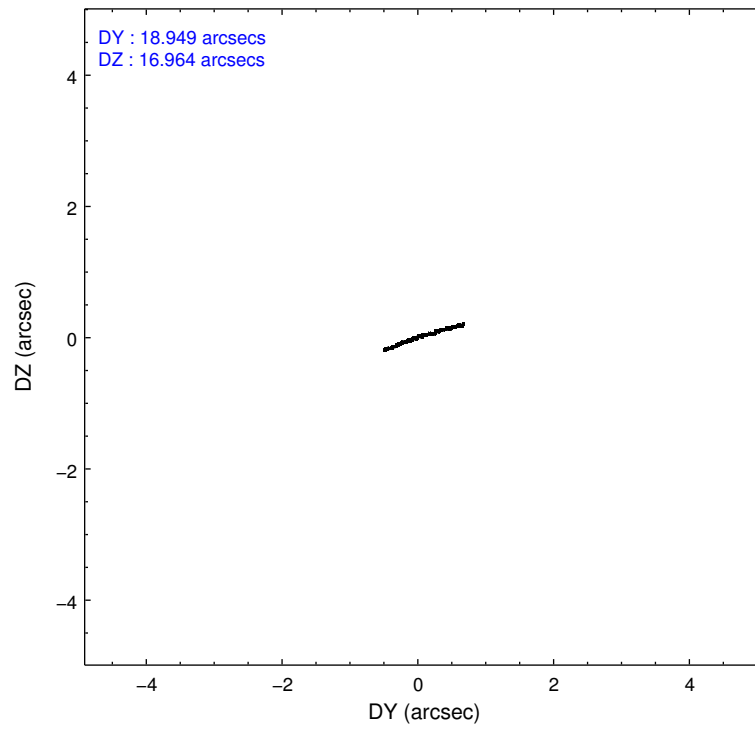
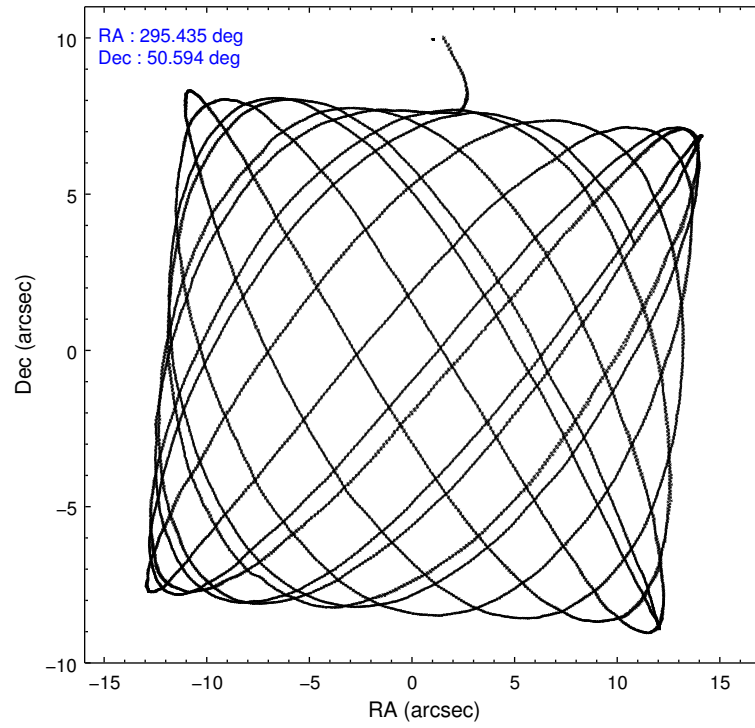
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	47903	46249	50456	61767
rejected events	42600	41066	44386	33508
rejected %	88%	88%	87%	54%

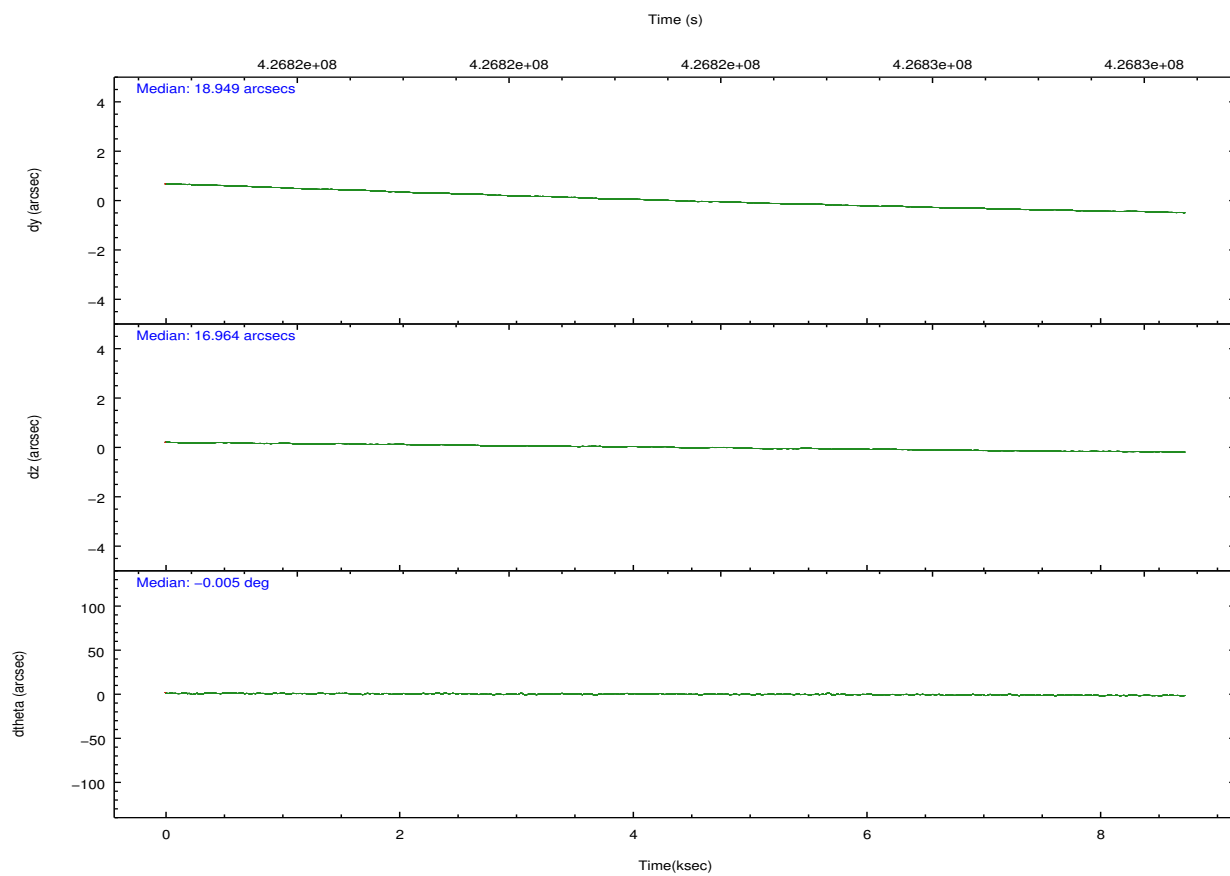
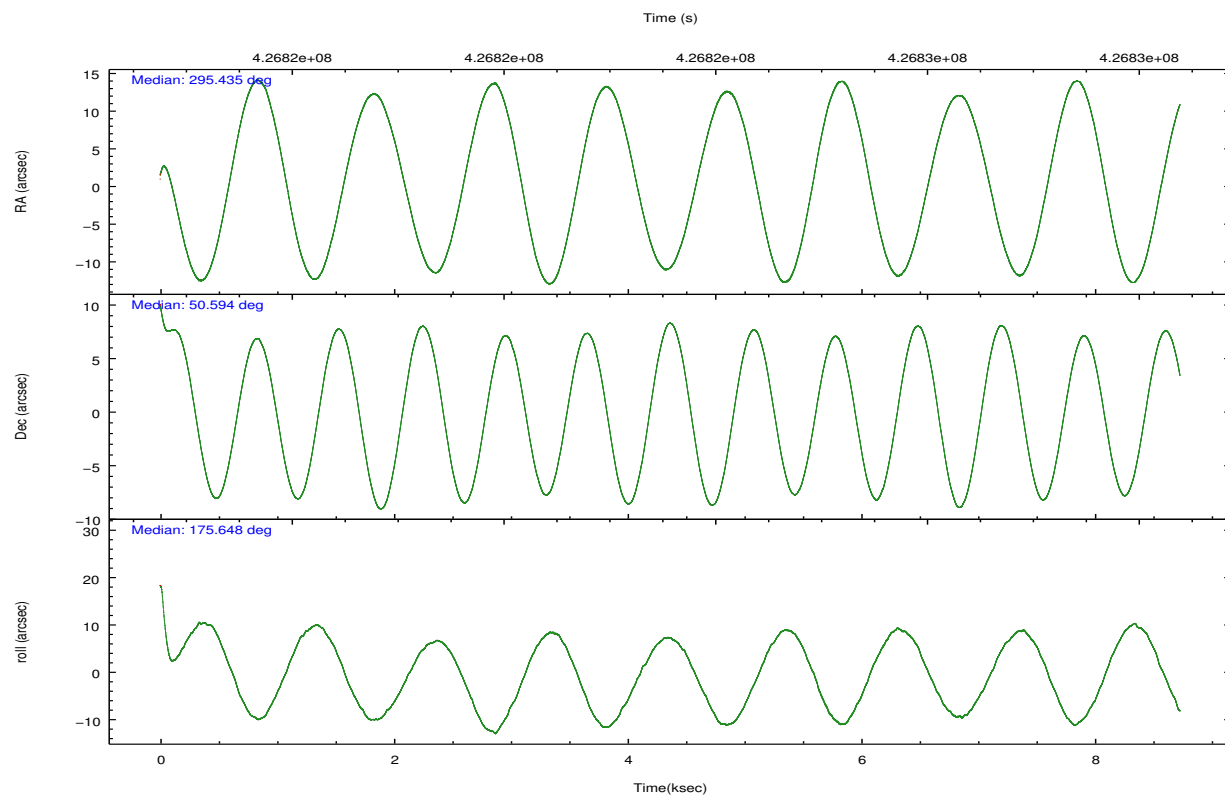
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	1965	1901	2358	2771
	4%	4%	4%	4%
grade 1 events	27	28	34	67
	0%	0%	0%	0%
grade 2 events	1184	1099	1319	5921
	2%	2%	2%	9%
grade 3 events	557	541	580	2464
	1%	1%	1%	3%
grade 4 events	603	599	583	2457
	1%	1%	1%	3%
grade 5 events	1836	2234	2395	6132
	3%	4%	4%	9%
grade 6 events	999	1046	1232	14662
	2%	2%	2%	23%
grade 7 events	40732	38801	41955	27293
	85%	83%	83%	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	295.473455	295.434786240577	CCD I2 on	O1	Y
[deg] Pointing Dec	50.605745	50.59363373985056	CCD I3 on	O2	Y
[deg] Pointing Roll	175.470725	175.6572649761291	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)	426819923.184000	426818500.8734	CCD S5 on	N	N
Observation start date	2011-07-12T01:04:17	2011-07-12T00:41:40	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	426827923.184000	426828444.91142	On-chip summing requested	N	N
Observation end date	2011-07-12T03:17:37	2011-07-12T03:27:24	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



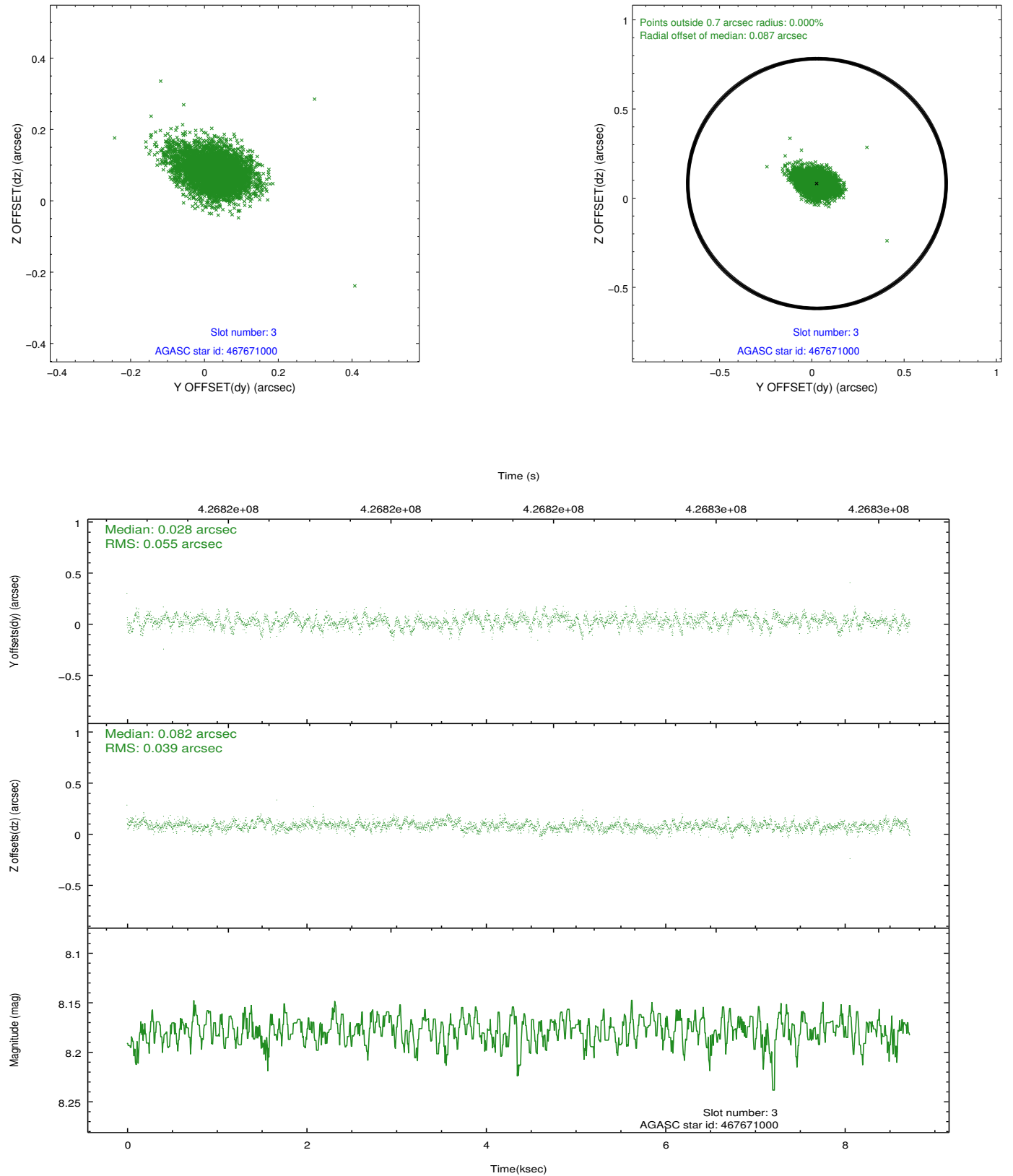


Slot Statistics

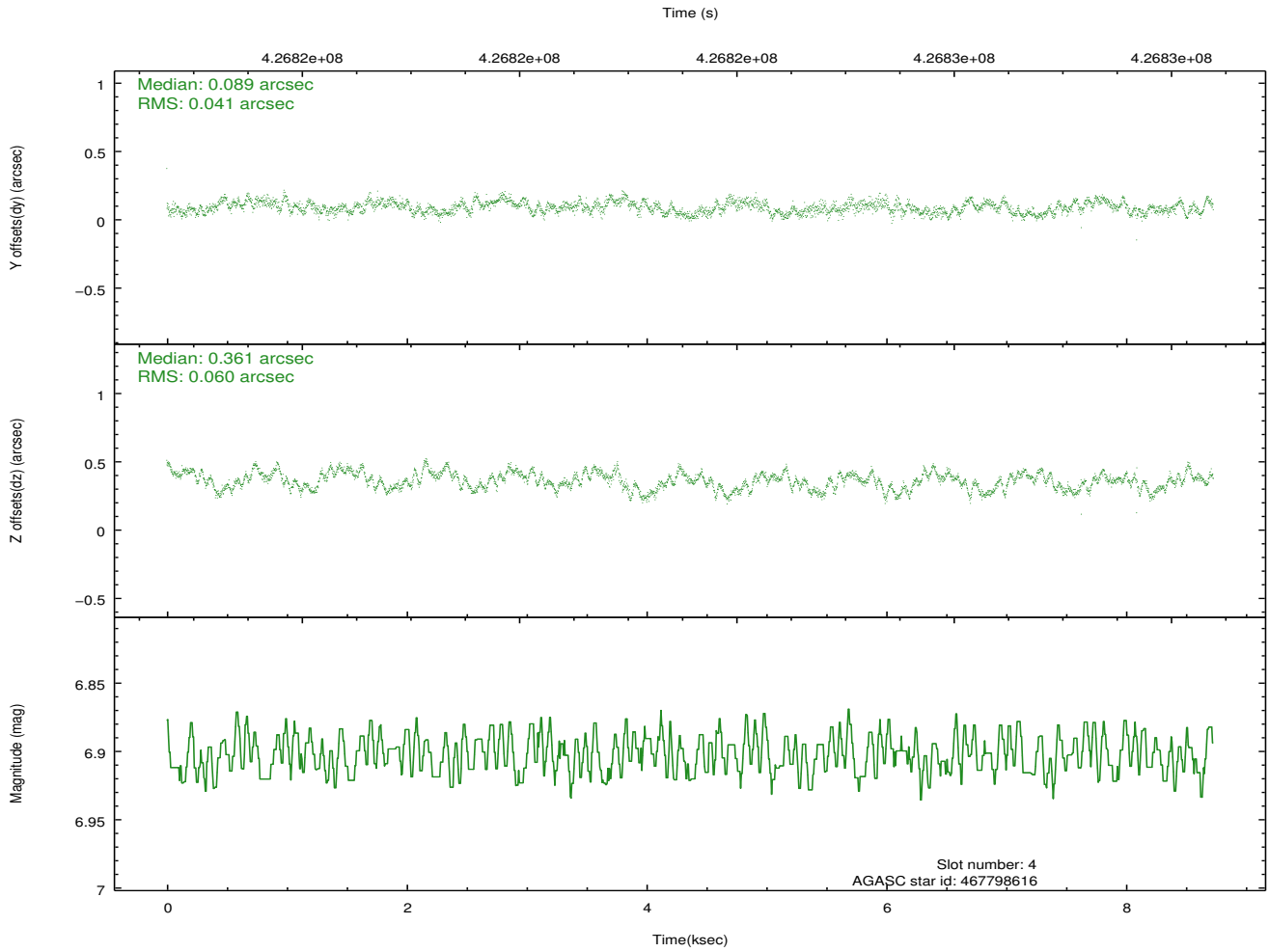
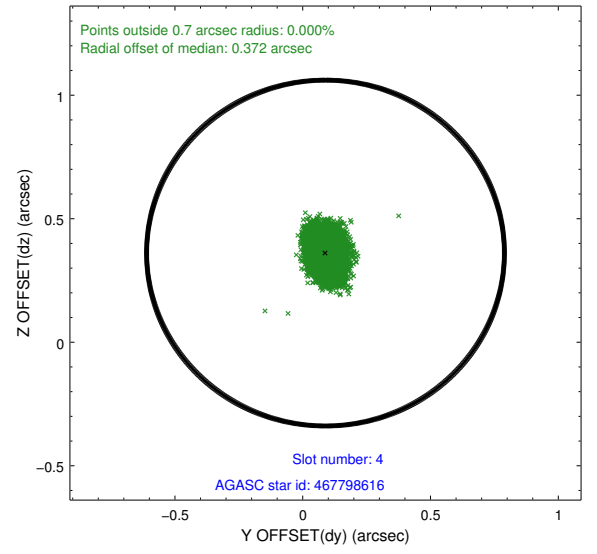
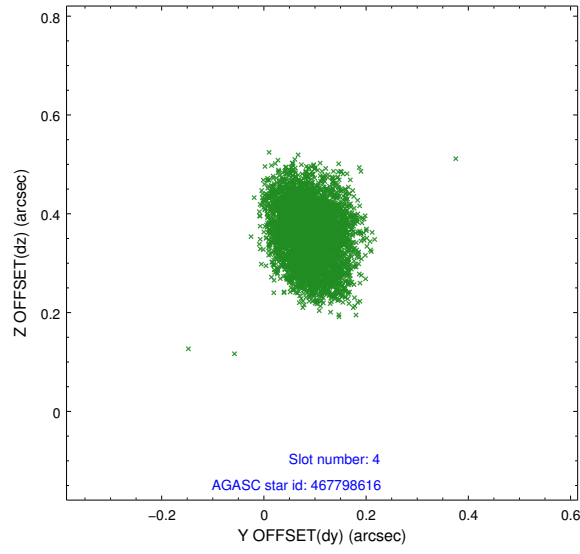
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.98	2130	0.084	-0.101	0.016	0.025	0.000000	0.000000	924.03	-1734.14
1	FID	ACIS-S-4	6.99	2130	0.259	0.036	0.007	0.012	0.000000	0.000000	2141.98	169.49
2	FID	ACIS-S-5	7.02	2129	-0.368	0.080	0.015	0.025	0.000000	0.000000	-1824.46	163.88
3	GUIDE	467671000	8.18	4258	0.028	0.082	0.070	0.119	294.763726	51.104541	1741.99	-1670.42
4	GUIDE	467798616	6.90	4259	0.089	0.361	0.079	0.122	295.929610	51.066831	-896.69	-1739.26
5	GUIDE	467149424	8.25	4259	-0.132	-0.150	0.064	0.100	294.659229	50.204608	1756.43	1577.55
6	GUIDE	467277736	8.26	4259	0.036	-0.241	0.085	0.140	295.465798	49.988796	-157.66	2215.90
7	GUIDE	467278280	8.68	4256	-0.016	-0.057	0.078	0.127	295.658635	49.972383	-607.89	2239.28

2.4 Star Slots

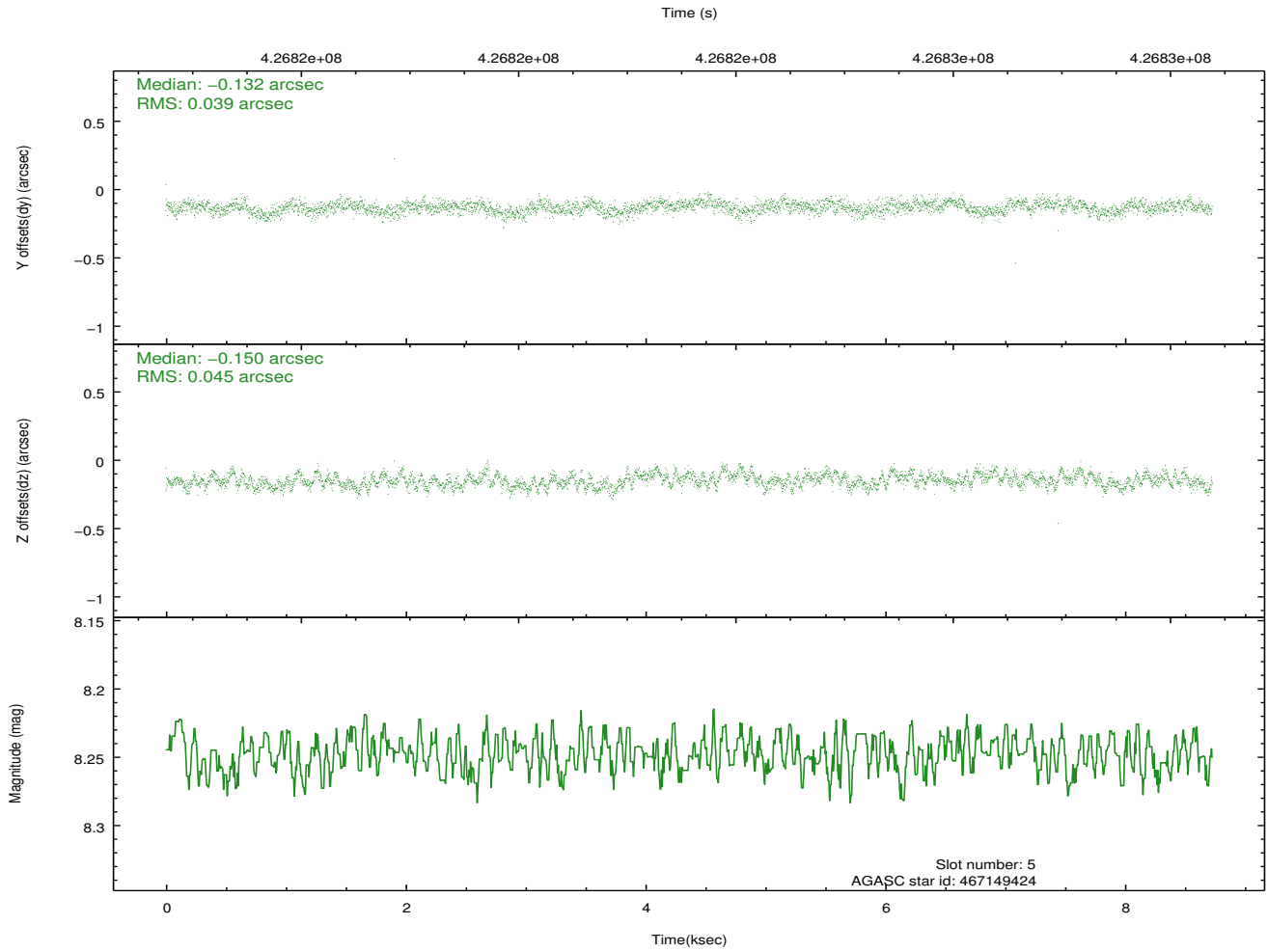
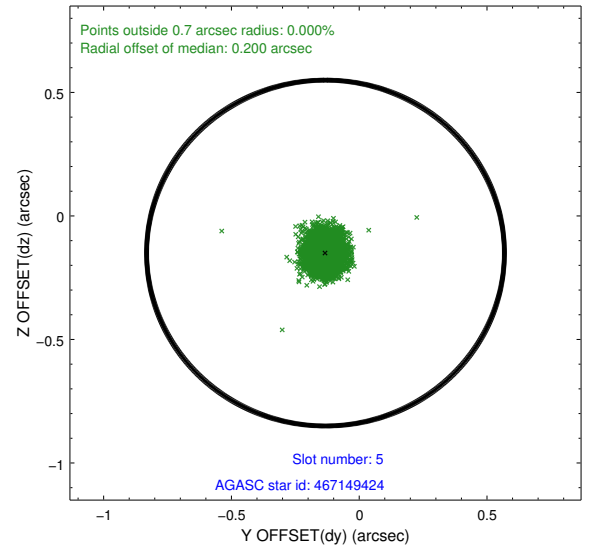
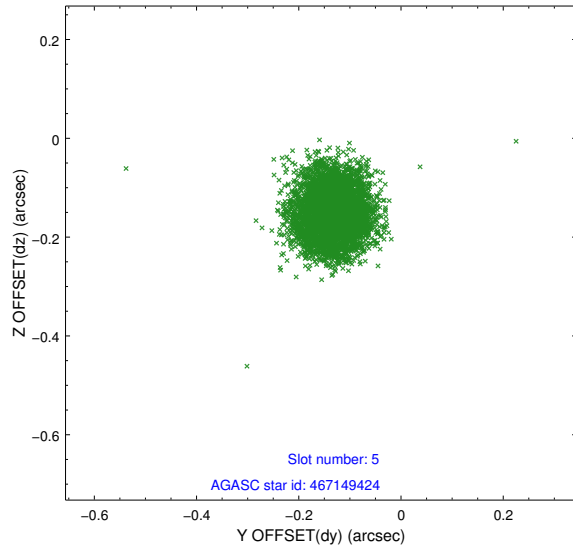
2.4.1 Slot 3



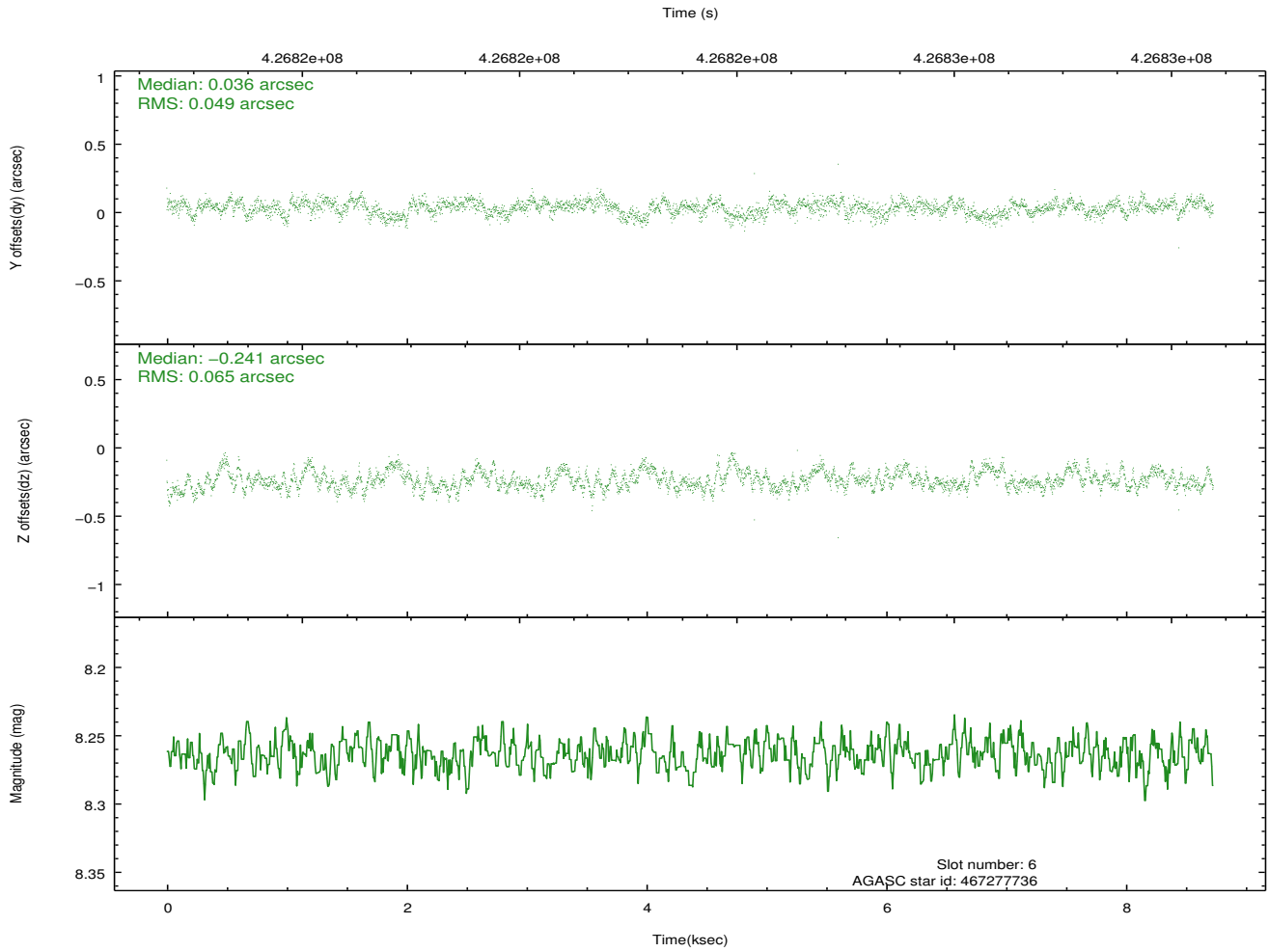
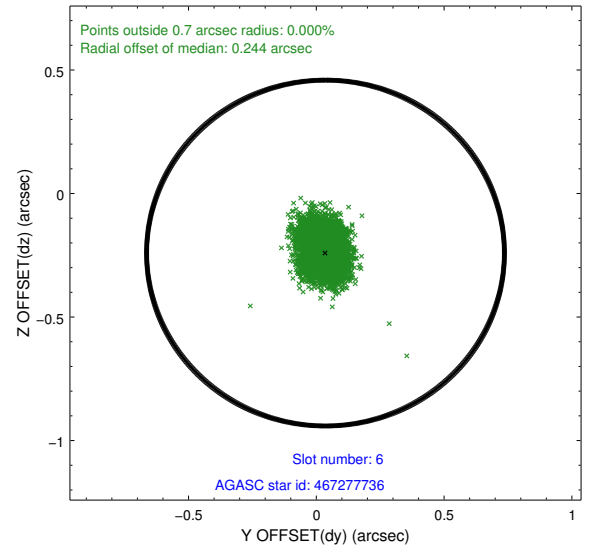
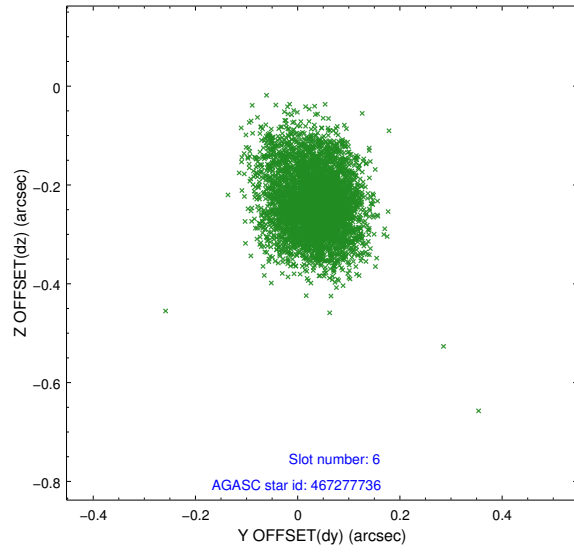
2.4.2 Slot 4



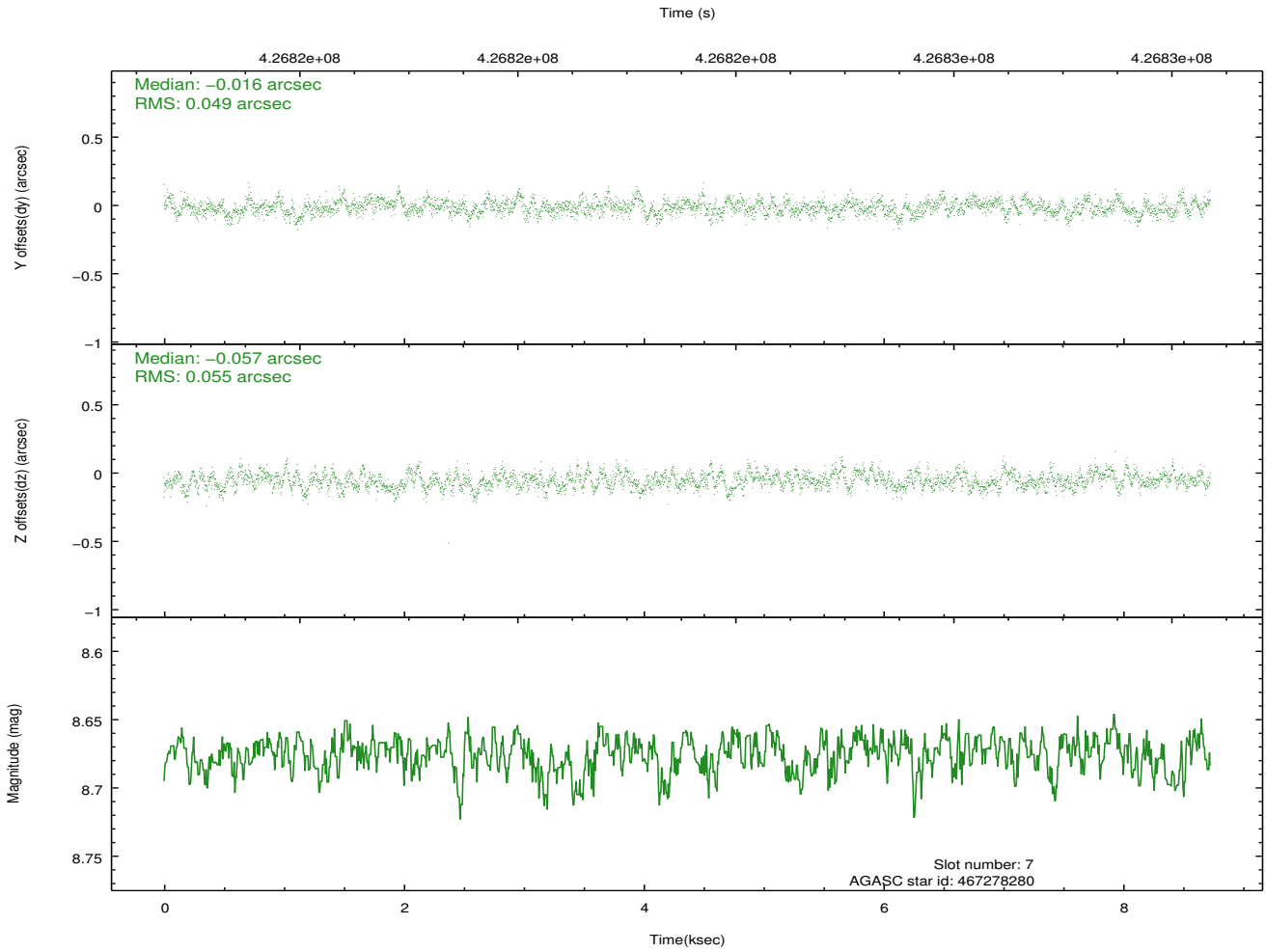
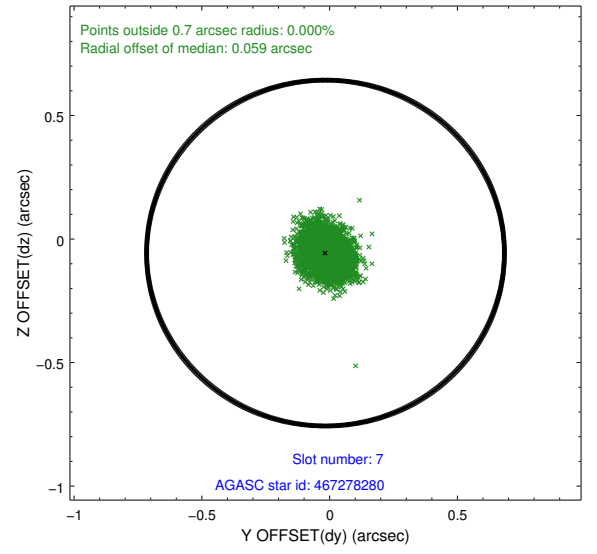
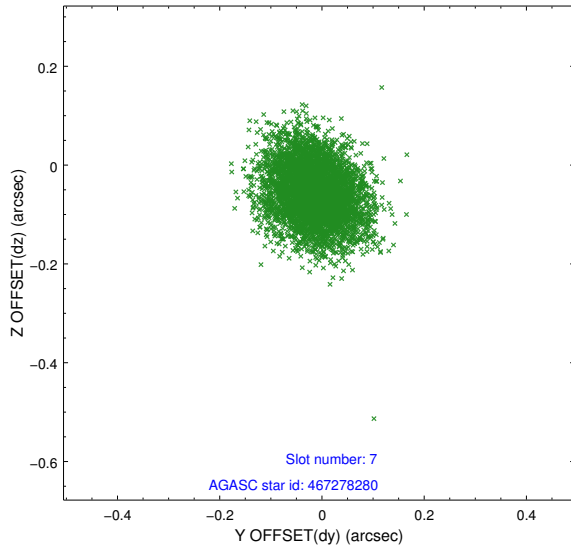
2.4.3 Slot 5



2.4.4 Slot 6

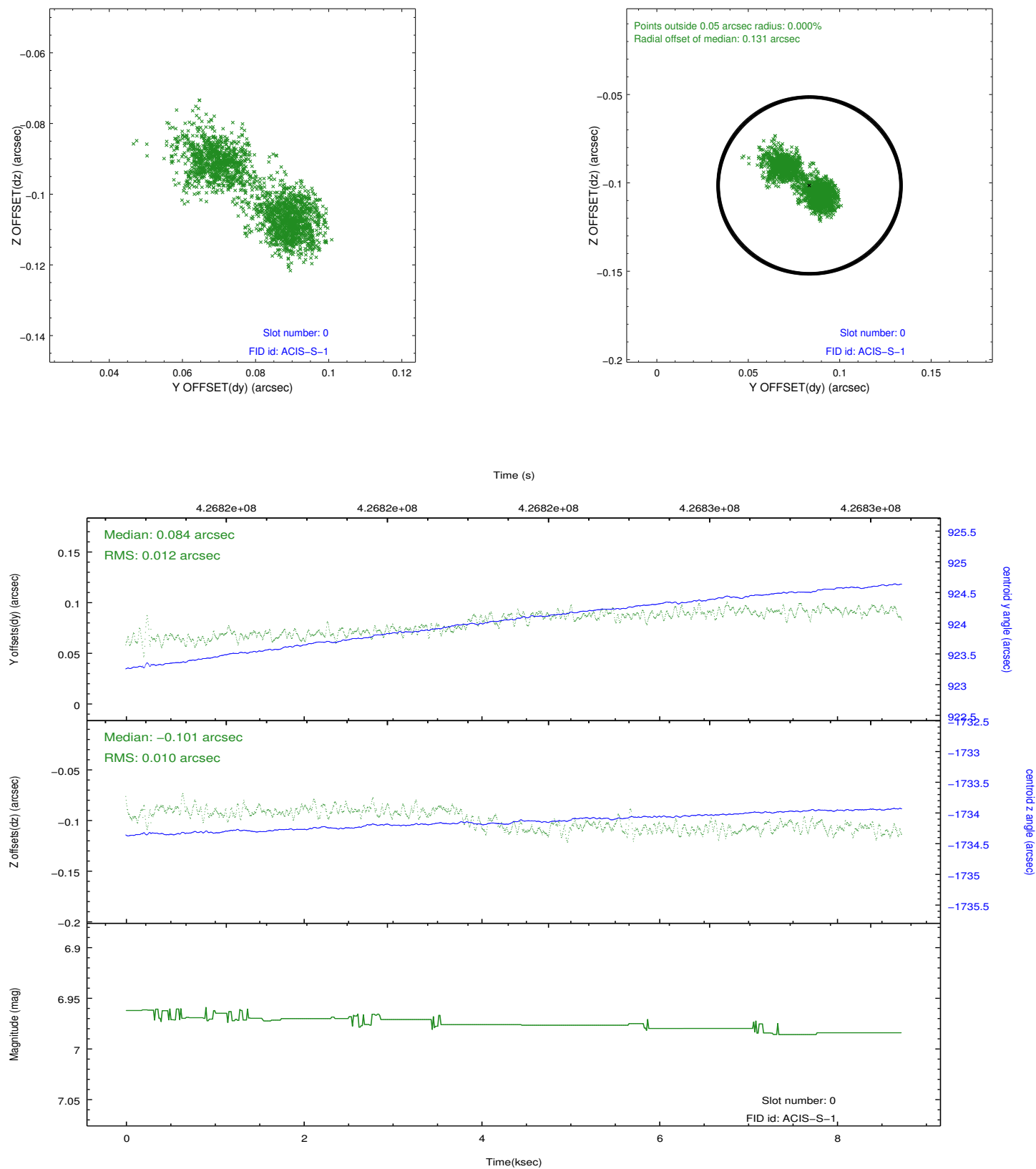


2.4.5 Slot 7

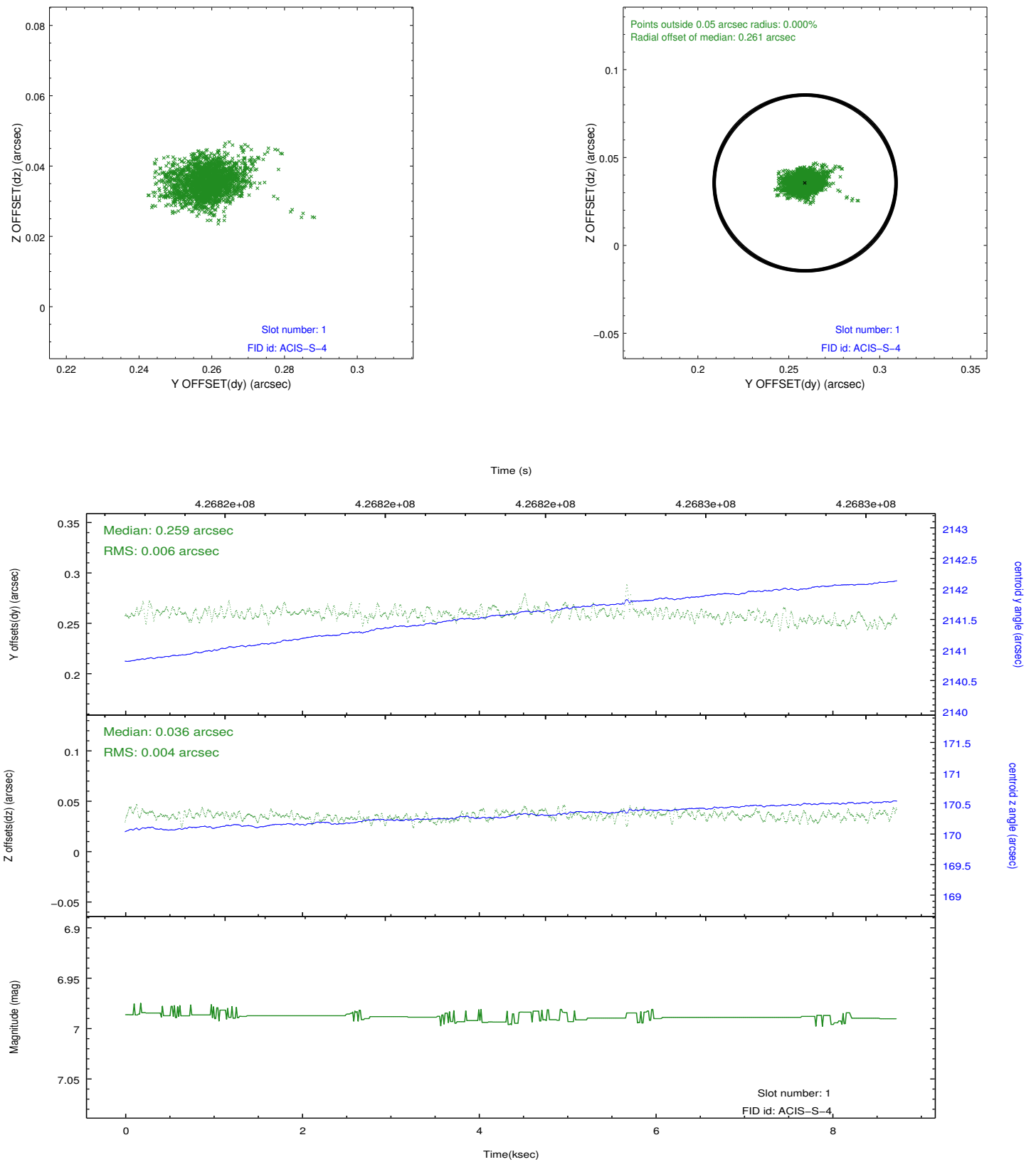


2.5 FID Slots

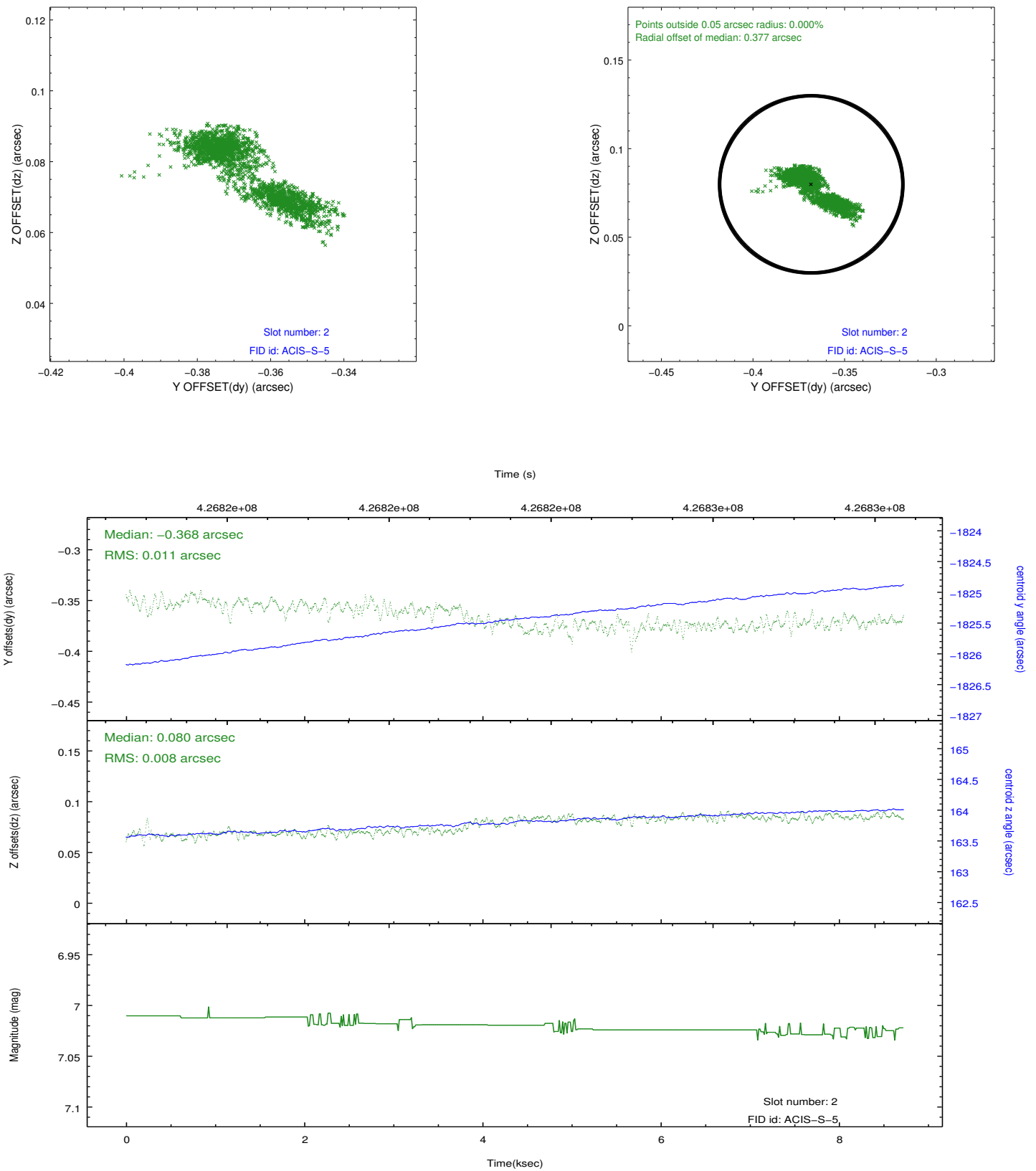
2.5.1 Slot 0



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)	2012.03.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.053008053422

A.2 Comments