

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10740 - L2 Version 2
Chandra X-Ray Center

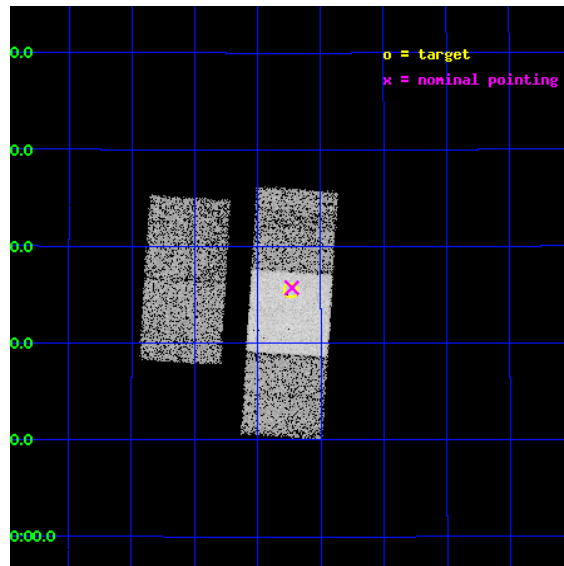
L2 Processing Date : May 28 2012

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

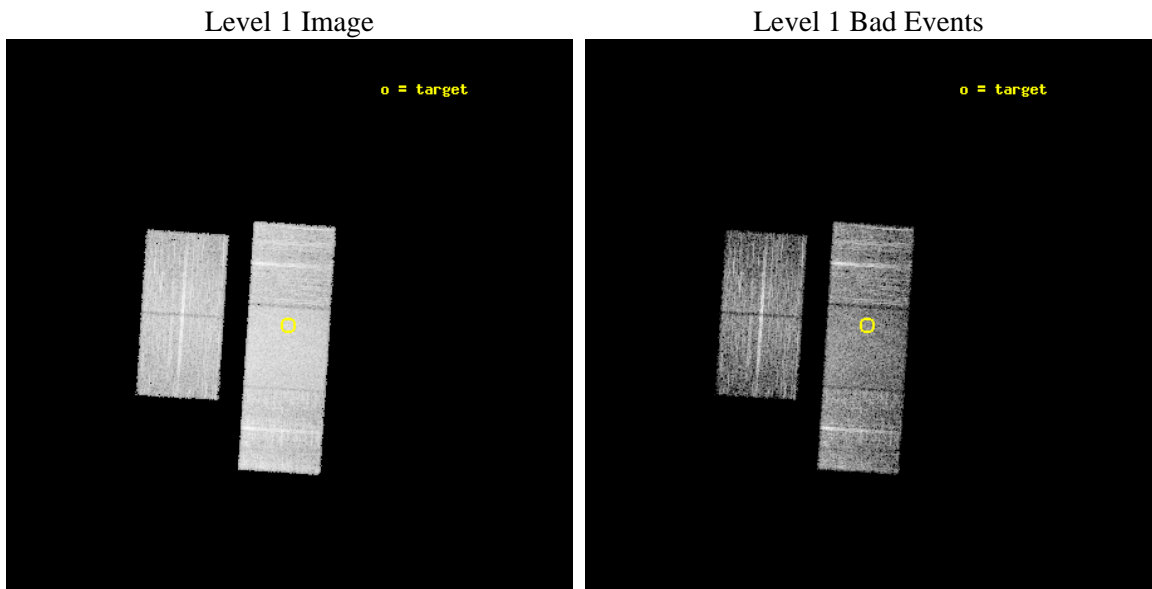
seq_num	701970	Sequence number
obs_id	10740	Observation id
title	A Chandra Snapshot Survey of Bright Mini-BAL Quasars	Proposal titl
observer	Professor Gordon Garmire	Principal investigator
object	SDSS J092914.49+282529.1	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	142.310417	Observer's specified target RA [deg]
dec_targ	28.42475	Observer's specified target Dec [deg]
ra_nom	142.30723200437	Nominal RA [deg]
dec_nom	28.428773497662	Nominal Dec [deg]
roll_nom	93.656572811624	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5049.8390343189	Sum of GTIs [s]
livetime	4983.8591696981	Livetime [s]
ontime2	5046.533904016	Sum of GTIs [s]
ontime3	5049.7569543123	Sum of GTIs [s]
ontime6	5049.7979943156	Sum of GTIs [s]
ontime7	5049.8390343189	Sum of GTIs [s]
ontime8	5049.715914309	Sum of GTIs [s]
l2events	56796	Number of level 2 events



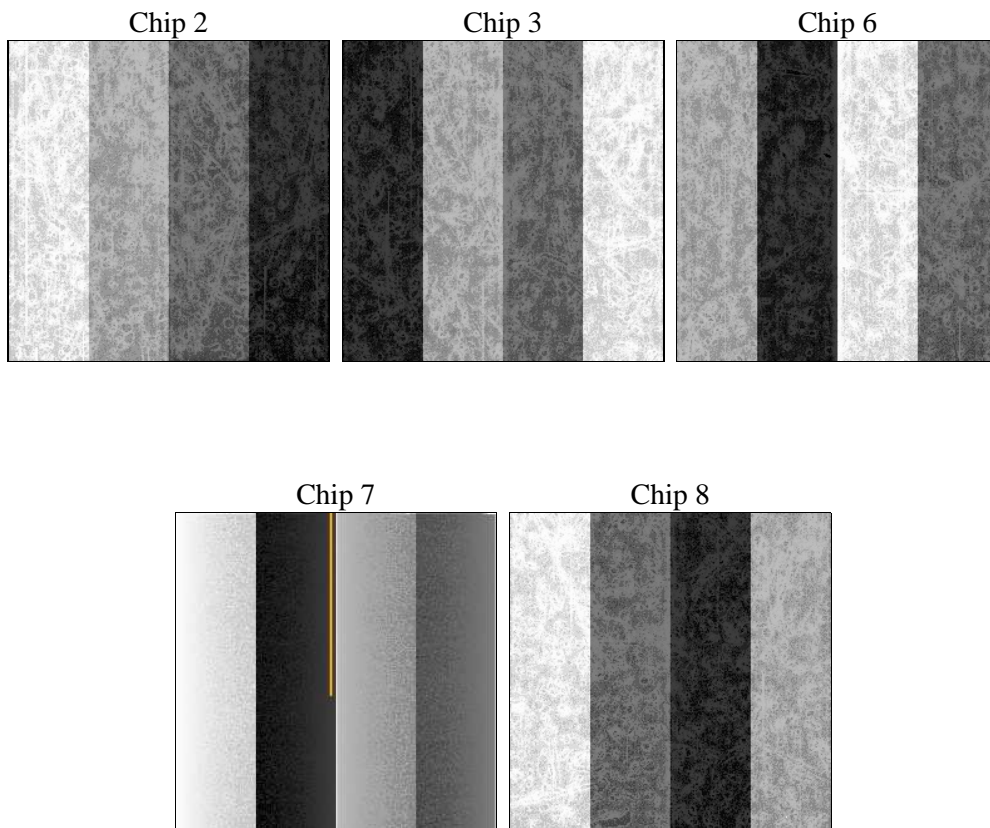
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5019.838000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	5049.8390343189	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	5046.533904016	Sum of GTIs [s]
date	2012-05-28T12:19:38	Date and time of file creation	ontime3	5049.7569543123	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	5049.7979943156	Sum of GTIs [s]
			ontime7	5049.8390343189	Sum of GTIs [s]
			ontime8	5049.715914309	Sum of GTIs [s]
			l1events	294397	Number of level 1 events

2.1.4 Events

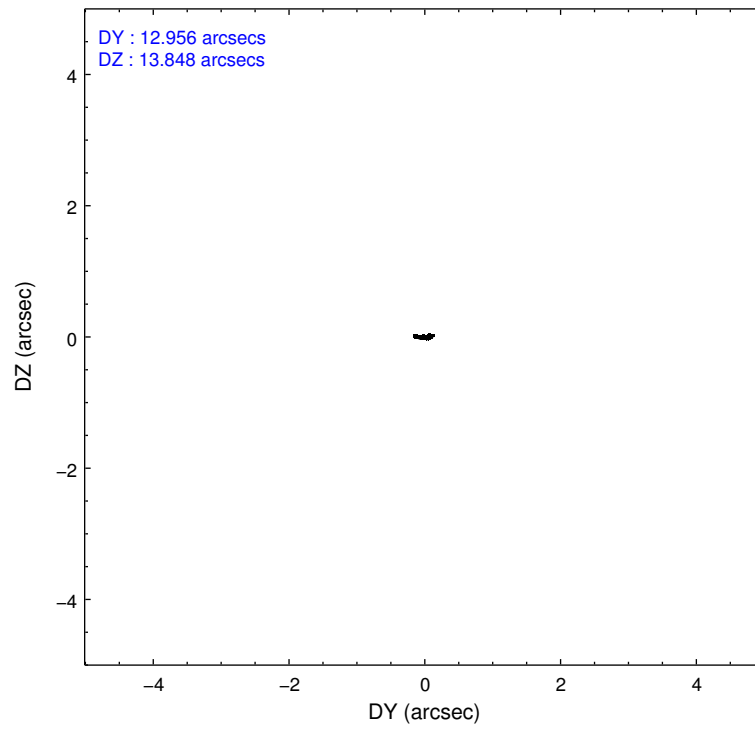
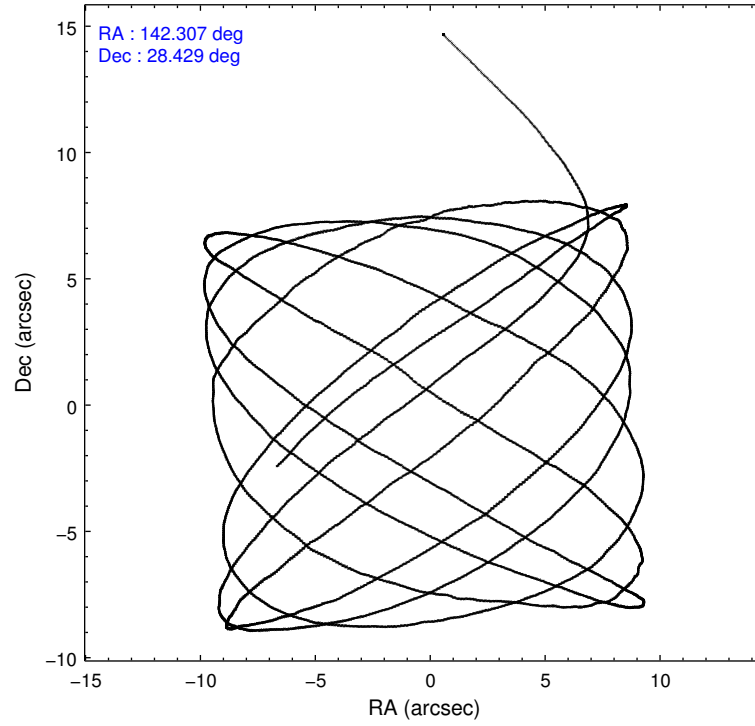
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	50245	50126	55184	73133	65709
rejected events	43298	42877	47905	42027	49555
rejected %	86%	85%	86%	57%	75%

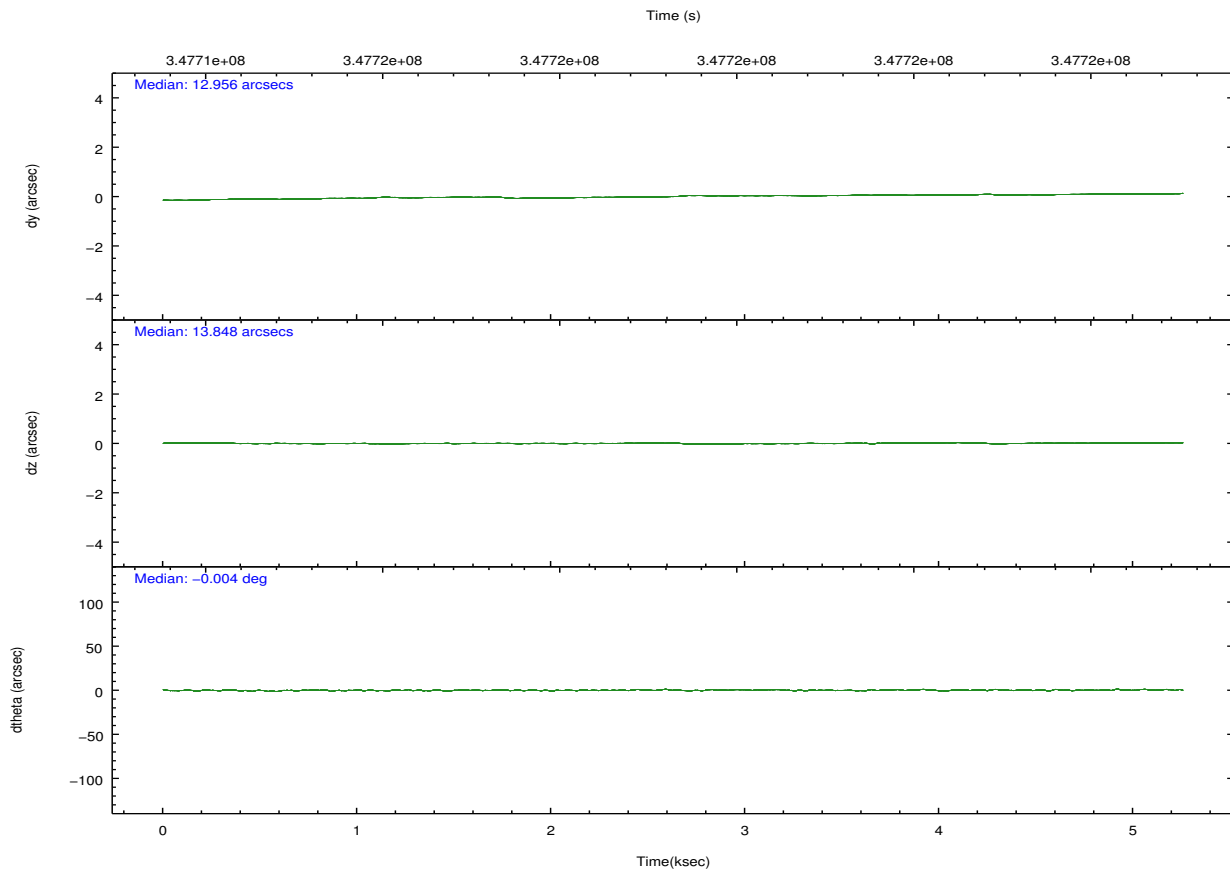
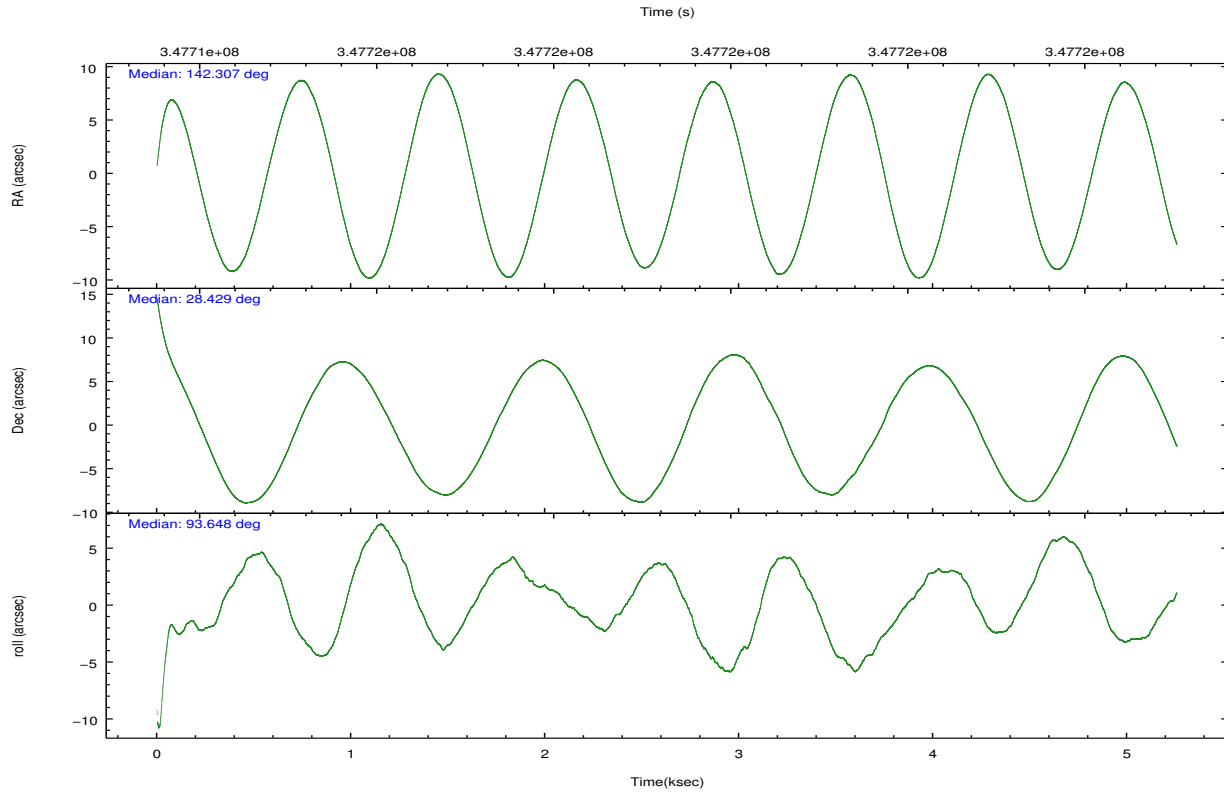
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	3404	3476	3113	2655	5422
	6%	6%	5%	3%	8%
grade 1 events	41	53	26	76	59
	0%	0%	0%	0%	0%
grade 2 events	1314	1352	1568	6380	3667
	2%	2%	2%	8%	5%
grade 3 events	583	609	604	2572	1624
	1%	1%	1%	3%	2%
grade 4 events	626	623	633	2450	1463
	1%	1%	1%	3%	2%
grade 5 events	2038	2349	2440	6631	3309
	4%	4%	4%	9%	5%
grade 6 events	1025	1199	1367	17062	3984
	2%	2%	2%	23%	6%
grade 7 events	41214	40465	45433	35307	46181
	82%	80%	82%	48%	70%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	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	142.324804	142.3072320043657	CCD I2 on	O1	Y
[deg] Pointing Dec	28.406154	28.42877349766244	CCD I3 on	O2	Y
[deg] Pointing Roll	93.491600	93.65657281162383	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	-190.145094680475	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01257209746719923	CCD S4 on	Y	Y
[s] Observation start time (MET)	347714257.184000	347713288.90028	CCD S5 on	N	N
Observation start date	2009-01-07T11:16:31	2009-01-07T11:01:28	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	347719277.184000	347719500.91308	On-chip summing requested	N	N
Observation end date	2009-01-07T12:40:11	2009-01-07T12:45:00	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



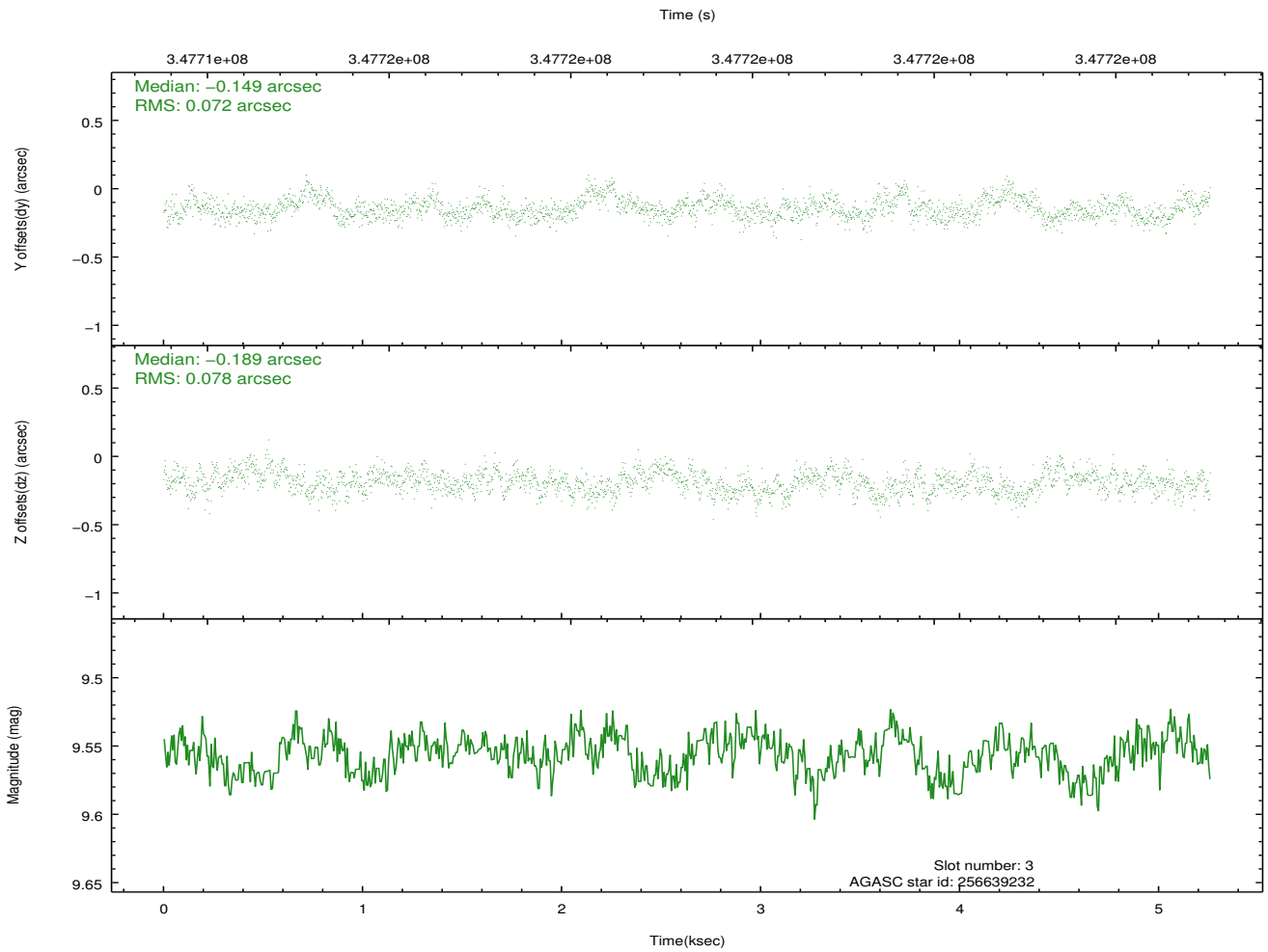
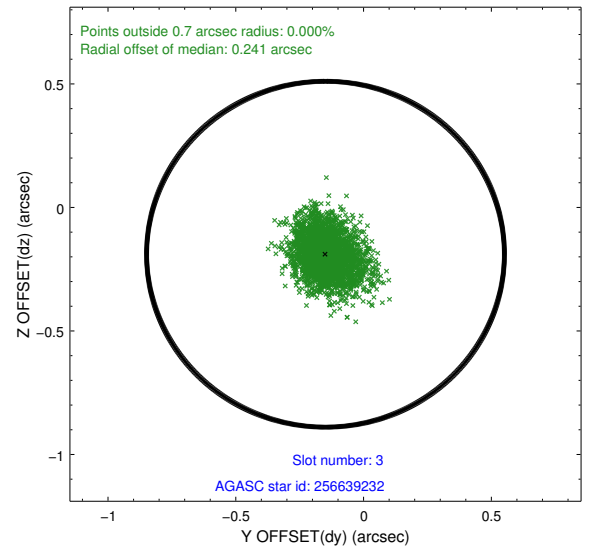
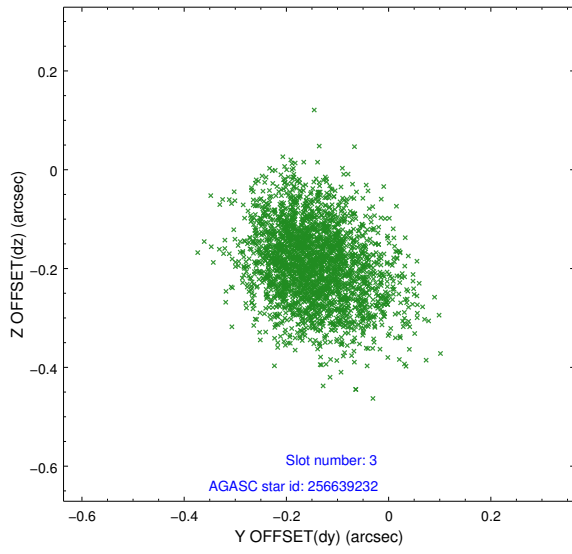


Slot Statistics

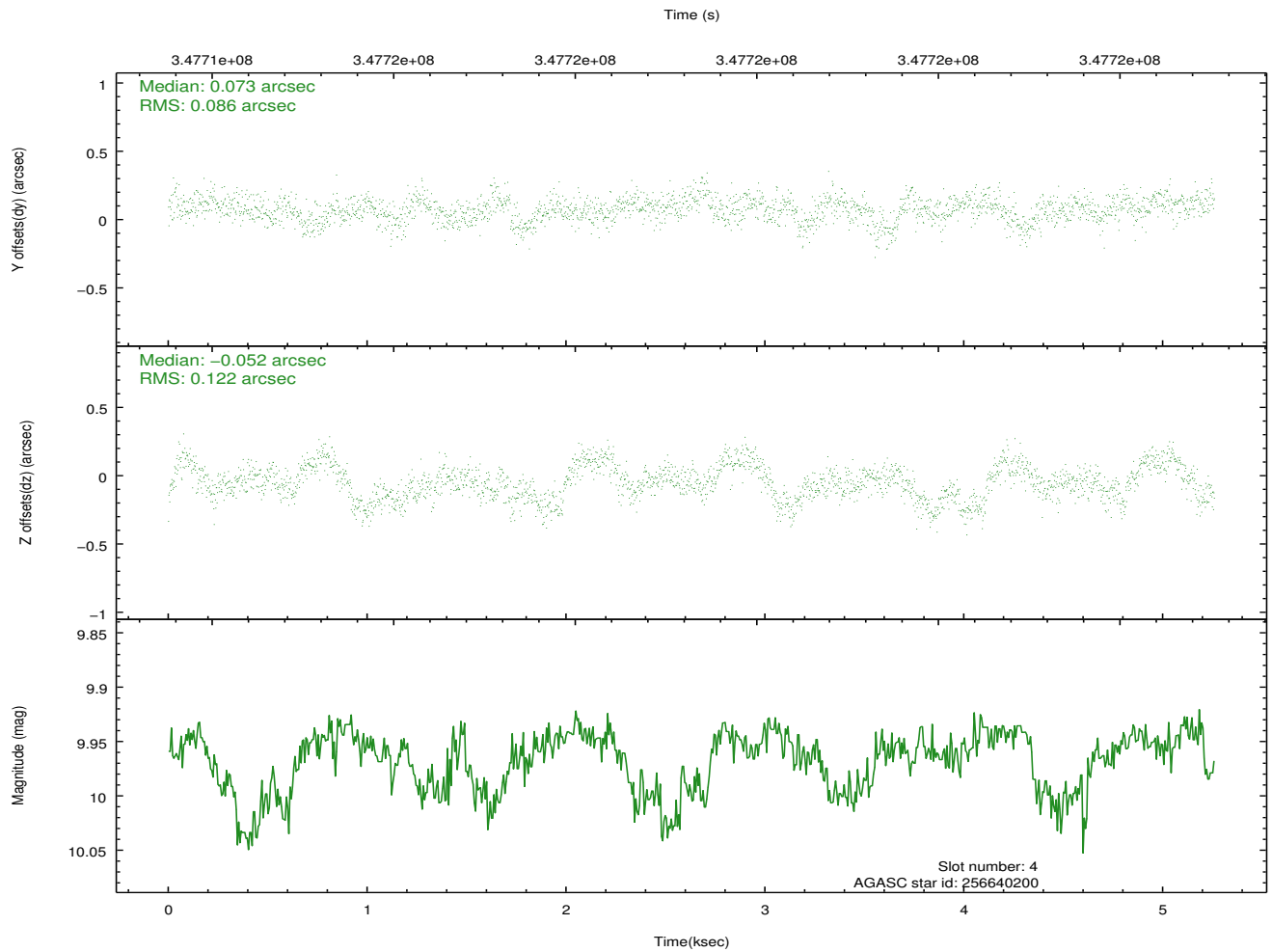
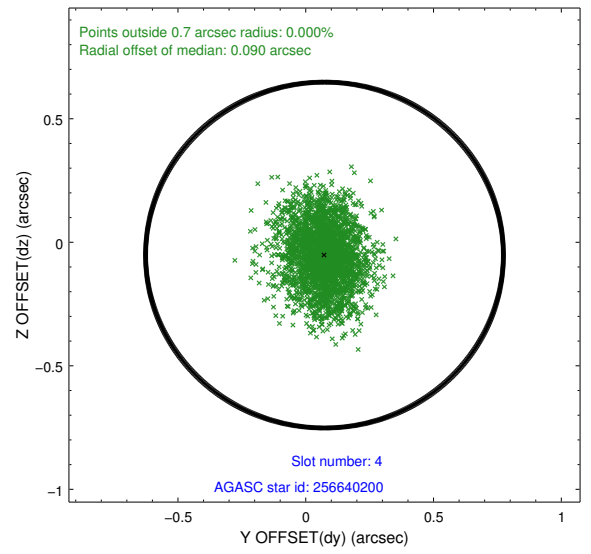
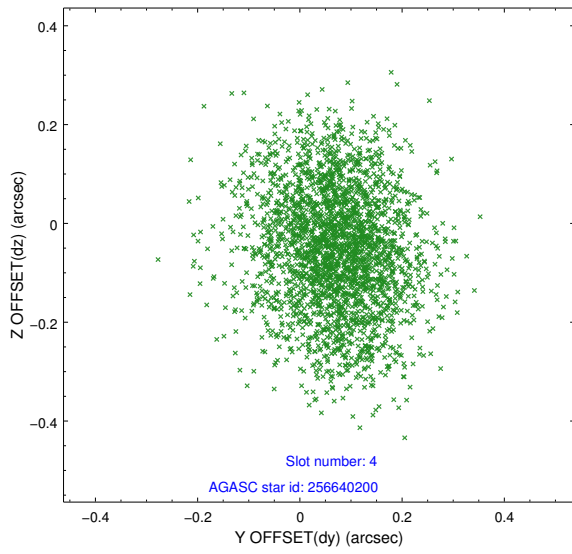
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.95	1283	-0.078	-0.041	0.010	0.018	0.000000	0.000000	-765.95	-1735.14
1	FID	ACIS-S-4	7.03	1283	0.108	0.035	0.008	0.013	0.000000	0.000000	2146.99	172.23
2	FID	ACIS-S-6	7.17	1283	-0.057	0.014	0.009	0.015	0.000000	0.000000	397.53	810.92
3	GUIDE	256639232	9.56	2565	-0.149	-0.189	0.113	0.181	141.724898	28.301118	-257.37	1920.69
4	GUIDE	256640200	9.96	2562	0.073	-0.052	0.160	0.258	142.279545	27.933437	-1689.93	247.98
5	GUIDE	257558960	8.06	2566	-0.073	-0.025	0.083	0.136	142.513332	28.717206	1081.23	-661.76
6	GUIDE	257561960	9.35	2566	-0.076	-0.008	0.104	0.163	142.492266	28.818616	1450.65	-617.38
7	GUIDE	257563520	9.97	2560	0.224	0.281	0.115	0.184	142.690846	27.929527	-1780.92	-1057.77

2.4 Star Slots

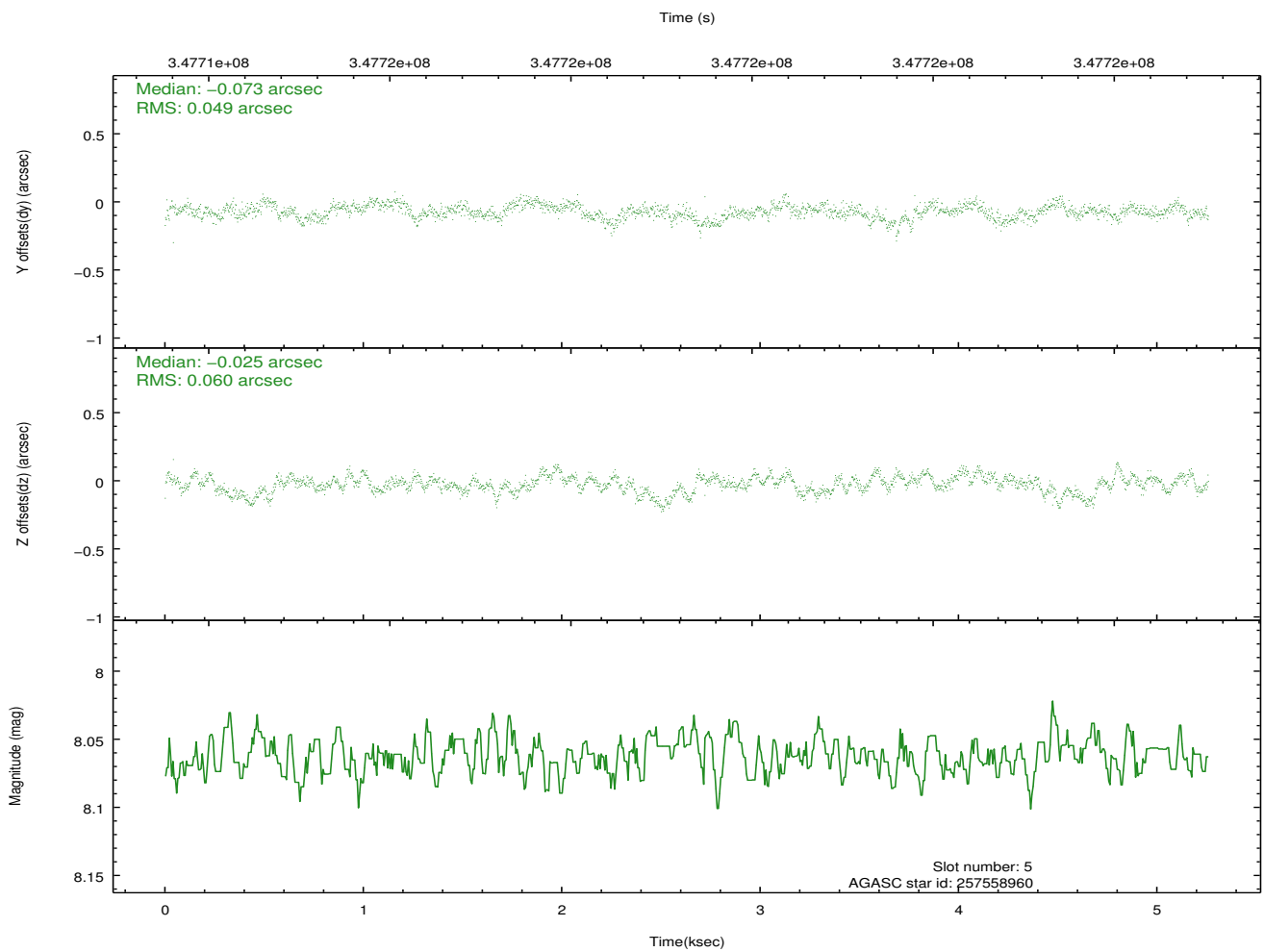
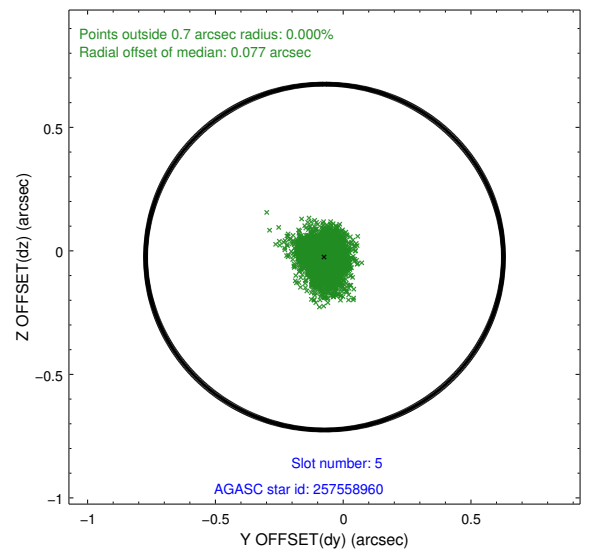
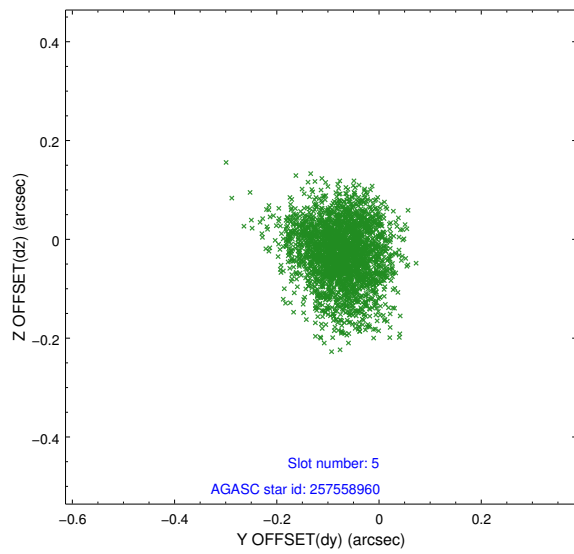
2.4.1 Slot 3



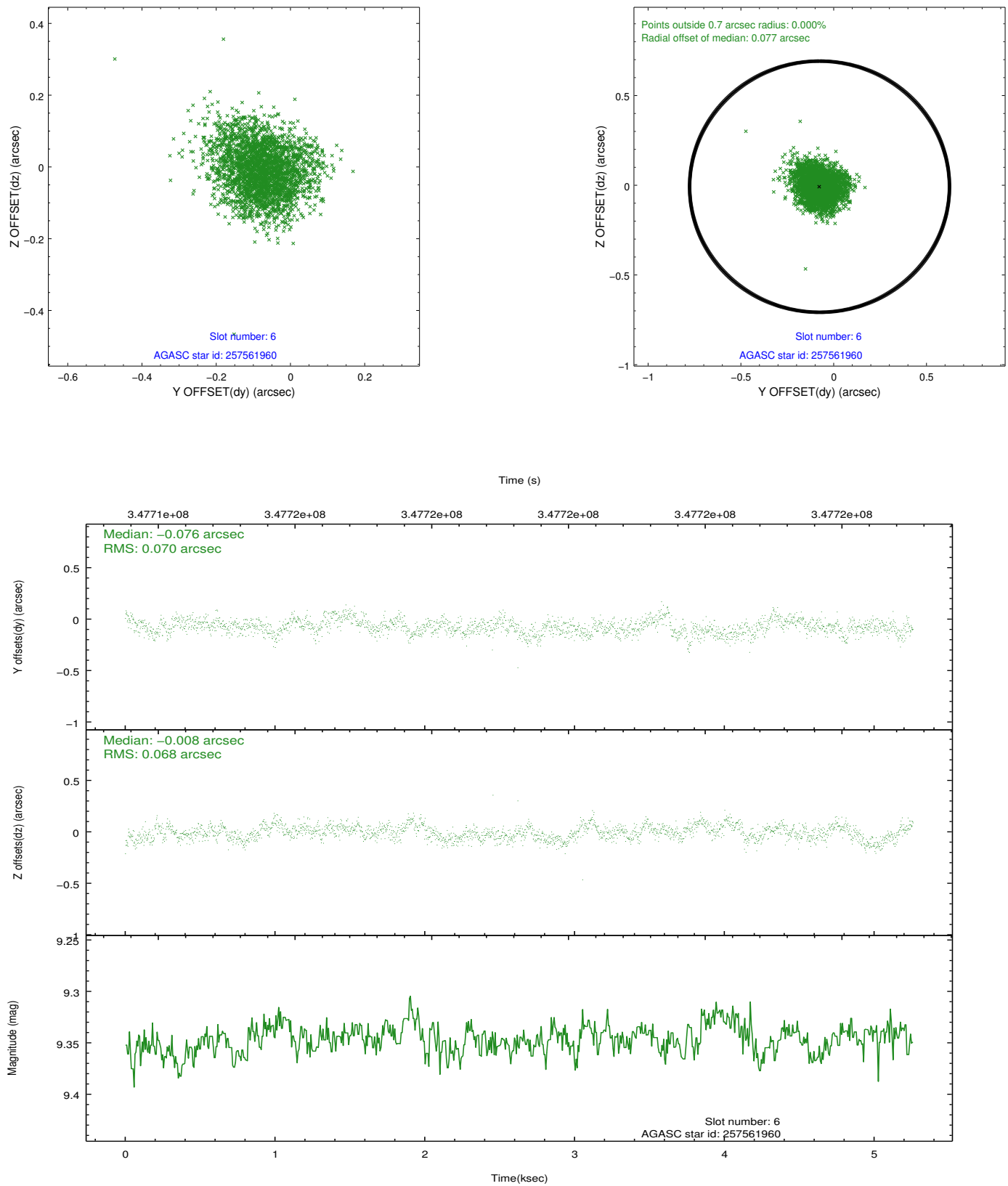
2.4.2 Slot 4



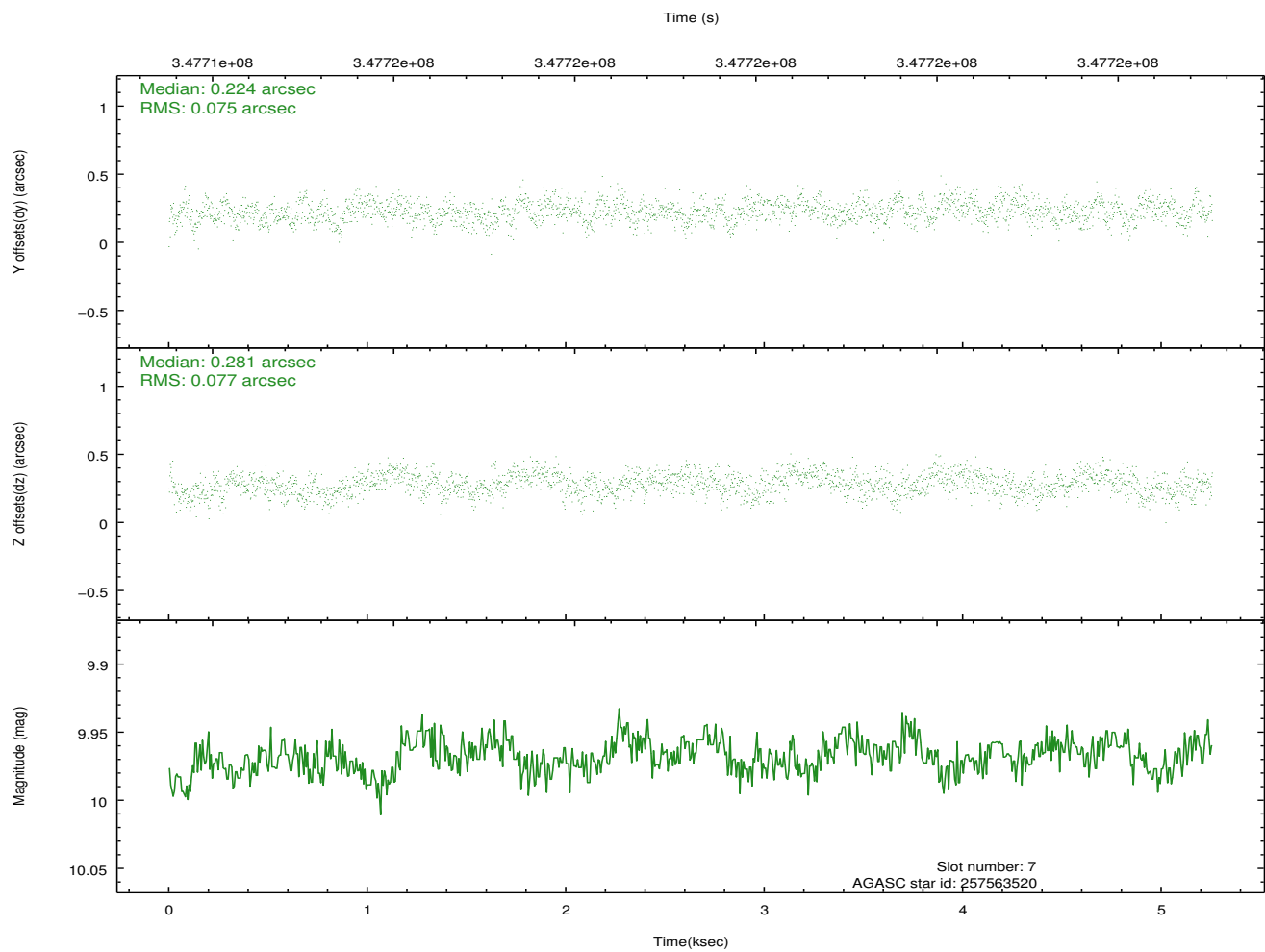
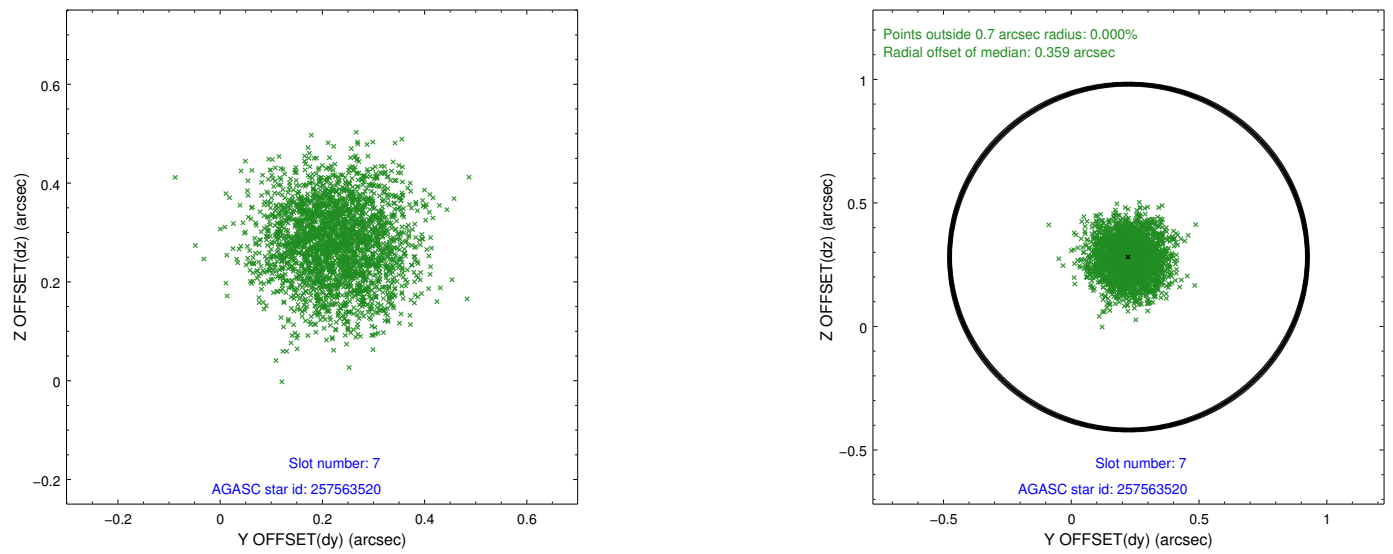
2.4.3 Slot 5



2.4.4 Slot 6

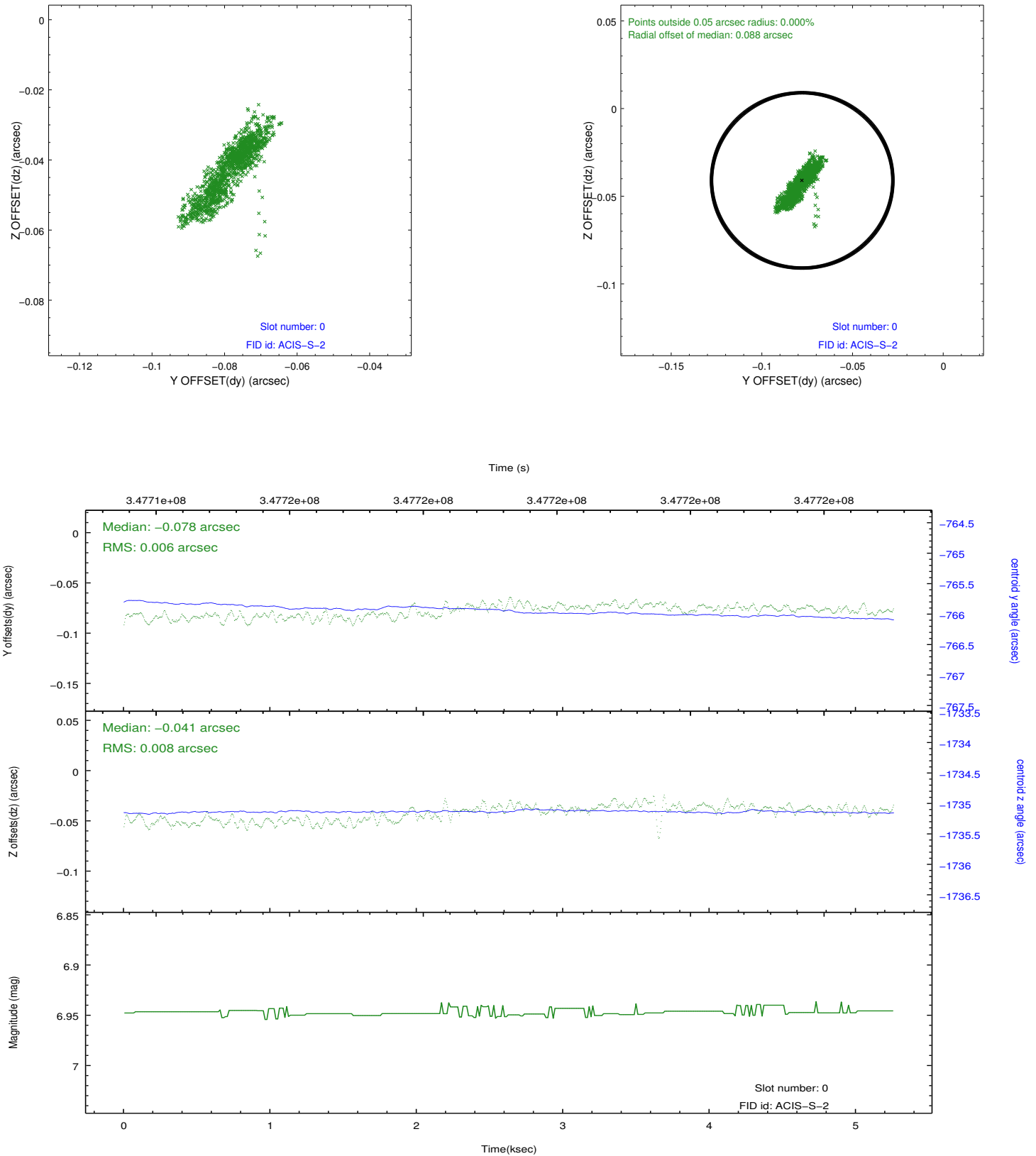


2.4.5 Slot 7

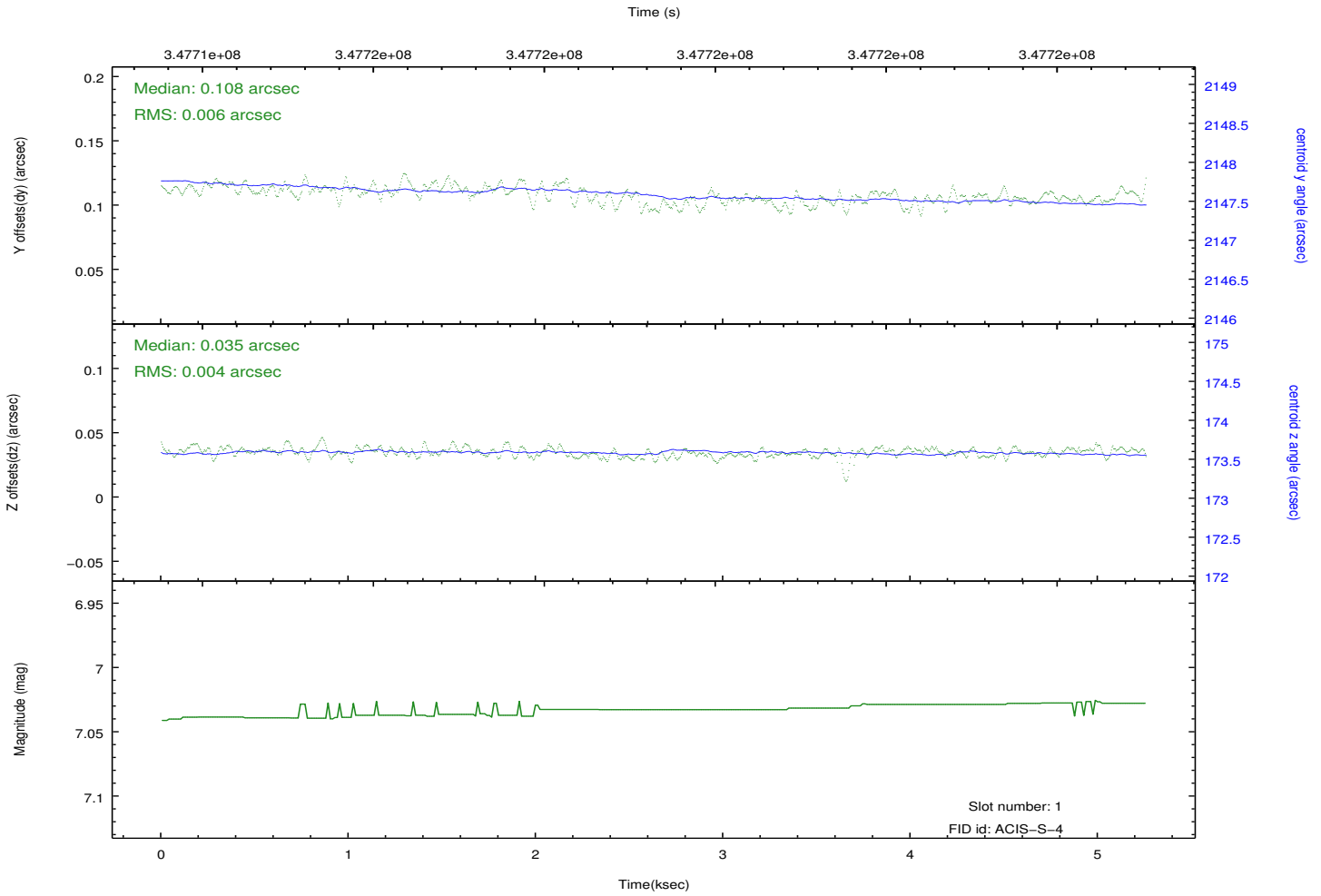
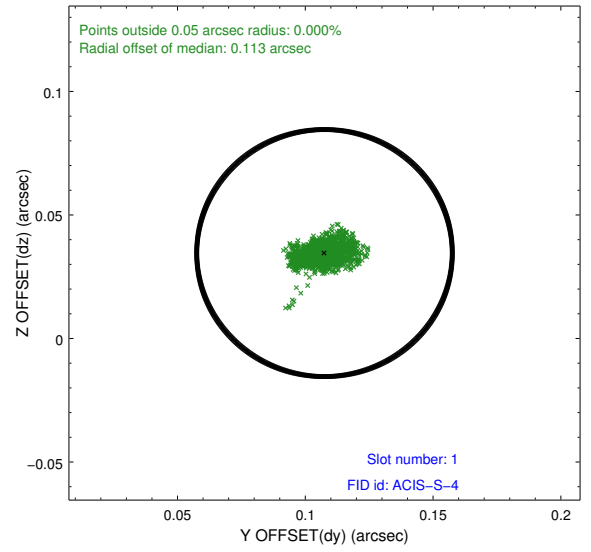
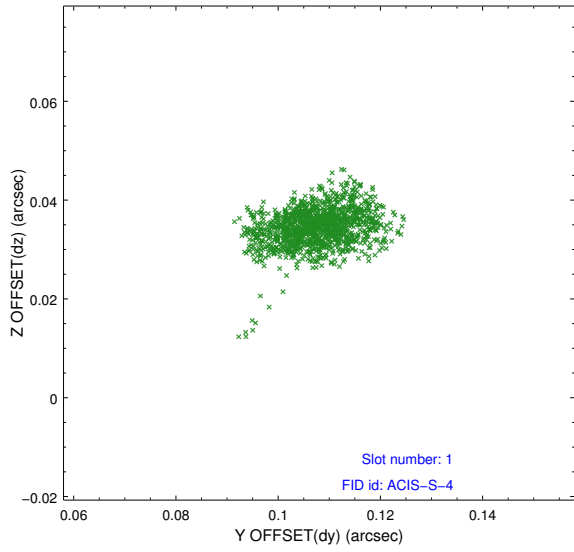


2.5 FID Slots

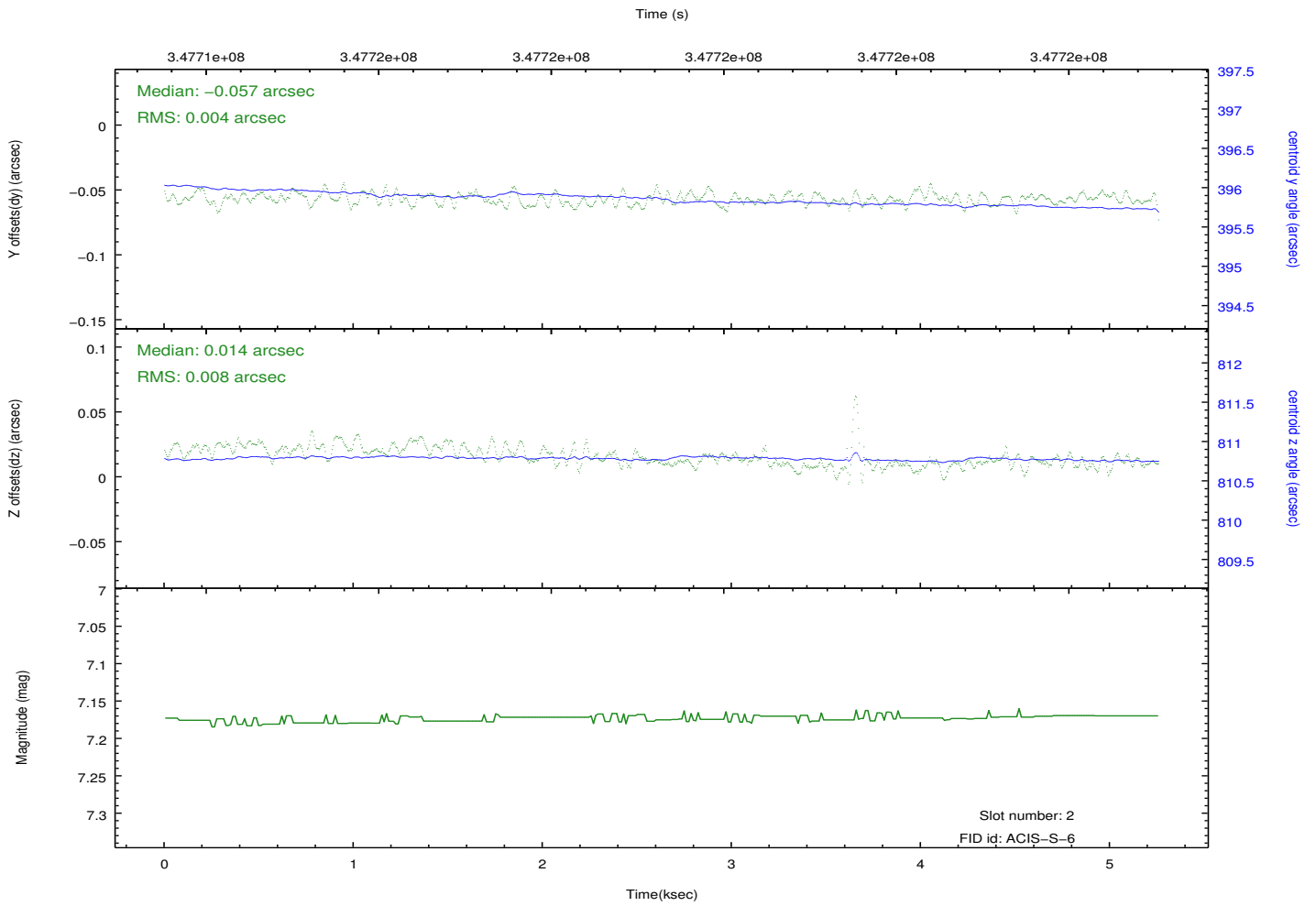
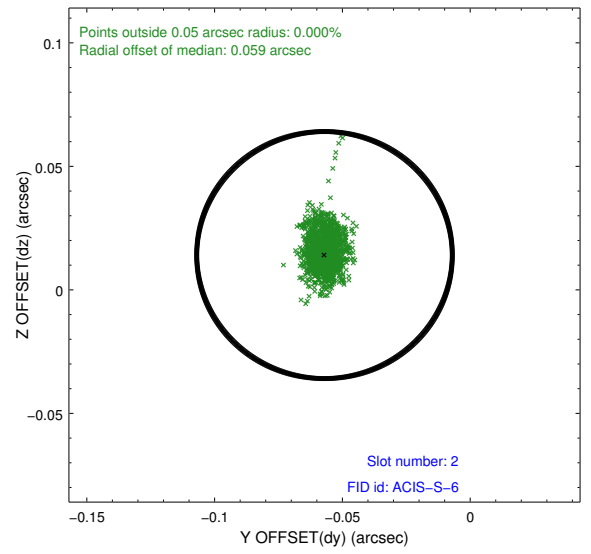
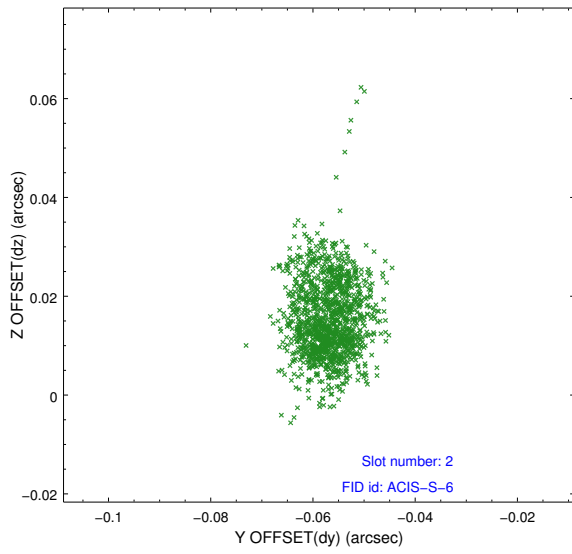
2.5.1 Slot 0



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)	2012.06.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.04990003

A.2 Comments