

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10359 - L2 Version 2
Chandra X-Ray Center

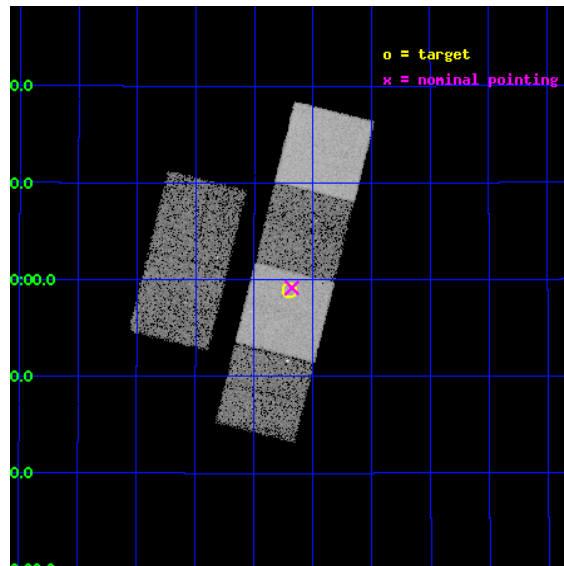
L2 Processing Date : May 29 2012

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1 Front

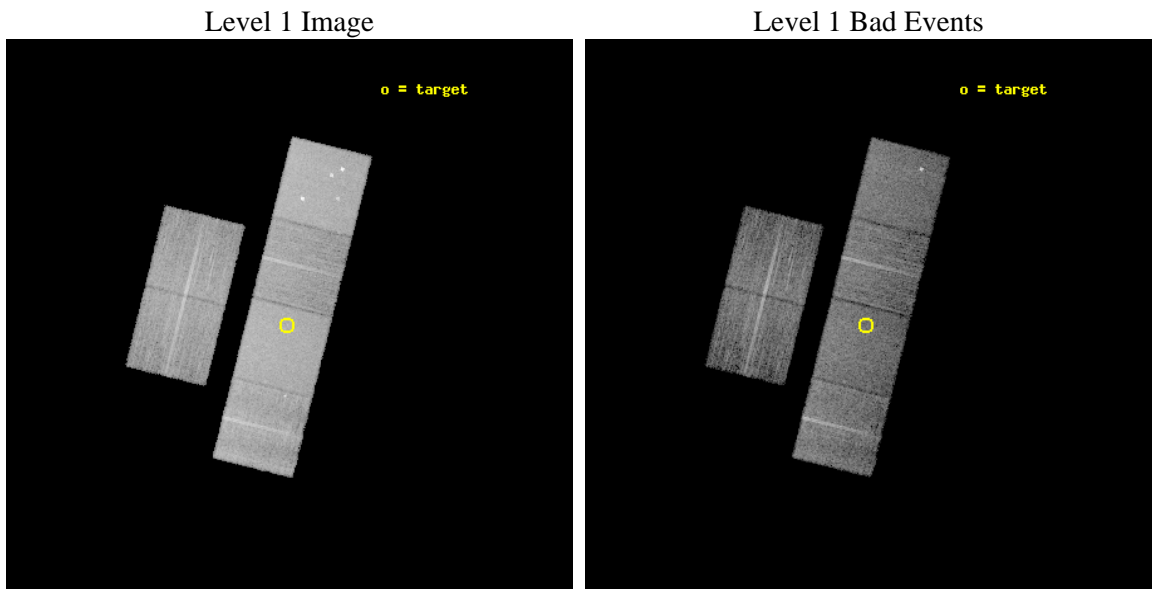
seq_num	701902	Sequence number
obs_id	10359	Observation id
title	Testing the Radiative-Driving Hypothesis of Quasar Outflows	Propos
observer	Dr. Rajib Ganguly	Principal investigator
object	SDSS J0810+34585	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	122.549167	Observer's specified target RA [deg]
dec_targ	34.982694	Observer's specified target Dec [deg]
ra_nom	122.54491821172	Nominal RA [deg]
dec_nom	34.986058167299	Nominal Dec [deg]
roll_nom	104.0084567002	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7951.9999704361	Sum of GTIs [s]
livetime	7851.3069586909	Livetime [s]
ontime2	7951.9999704361	Sum of GTIs [s]
ontime3	7951.9999704361	Sum of GTIs [s]
ontime5	7951.9999704361	Sum of GTIs [s]
ontime6	7951.9999704361	Sum of GTIs [s]
ontime7	7951.9999704361	Sum of GTIs [s]
ontime8	7951.9999704361	Sum of GTIs [s]
l2events	136718	Number of level 2 events



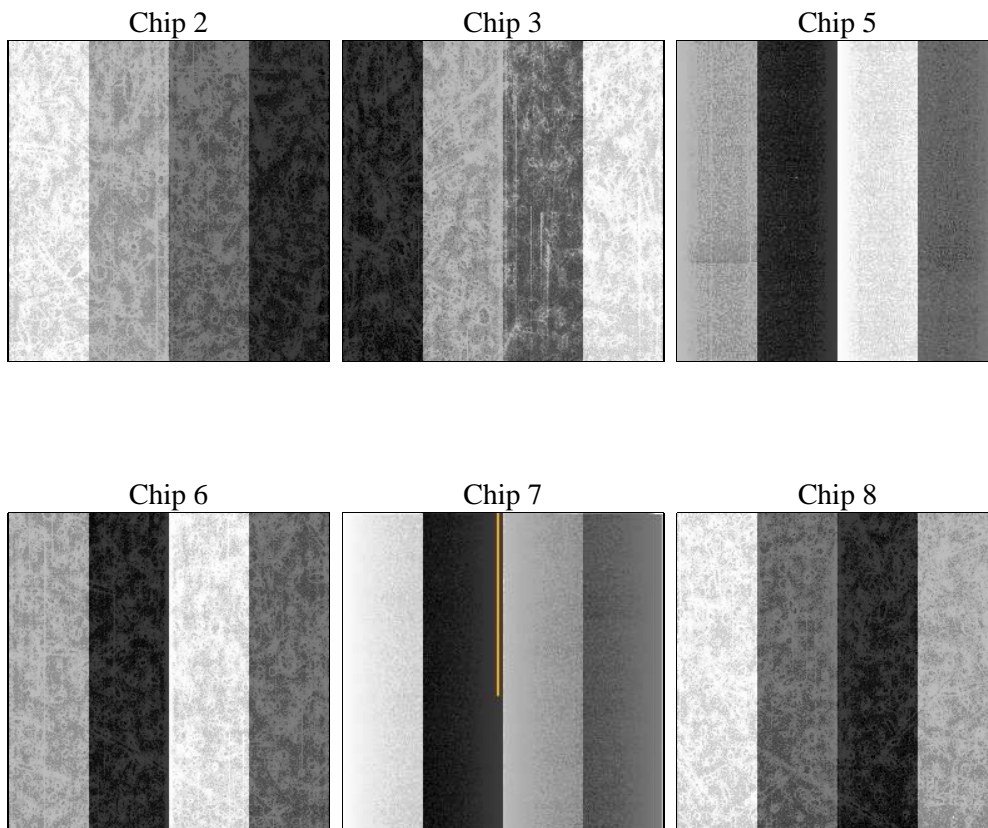
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	8000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	7951.9999704361	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	7951.9999704361	Sum of GTIs [s]
date	2012-05-29T14:13:52	Date and time of file creation	ontime3	7951.9999704361	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	7951.9999704361	Sum of GTIs [s]
			ontime6	7951.9999704361	Sum of GTIs [s]
			ontime7	7951.9999704361	Sum of GTIs [s]
			ontime8	7951.9999704361	Sum of GTIs [s]
			l1events	580872	Number of level 1 events

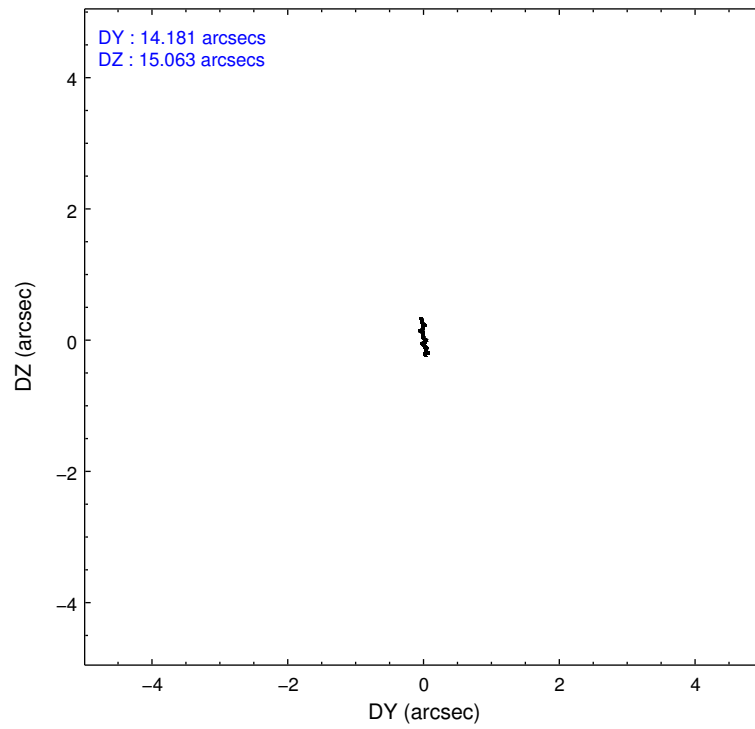
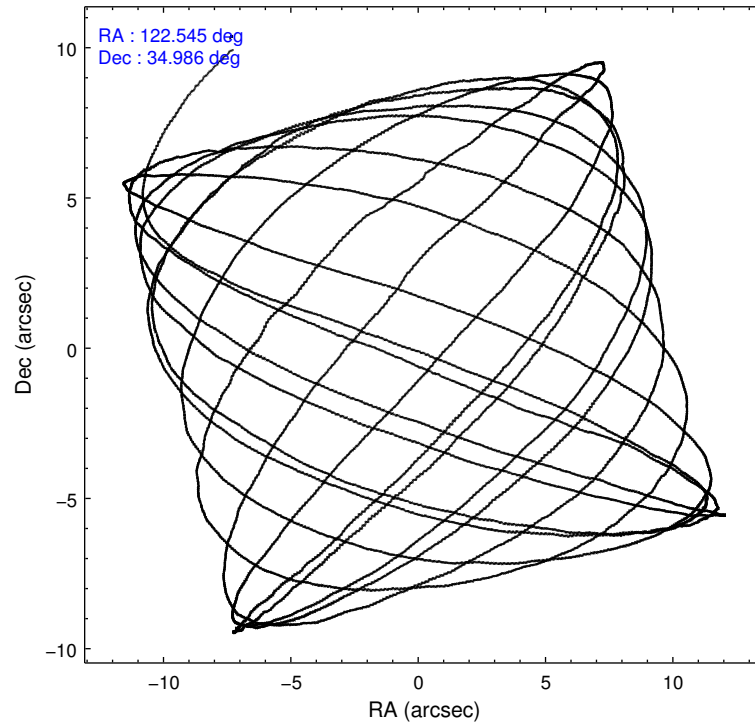
2.1.4 Events

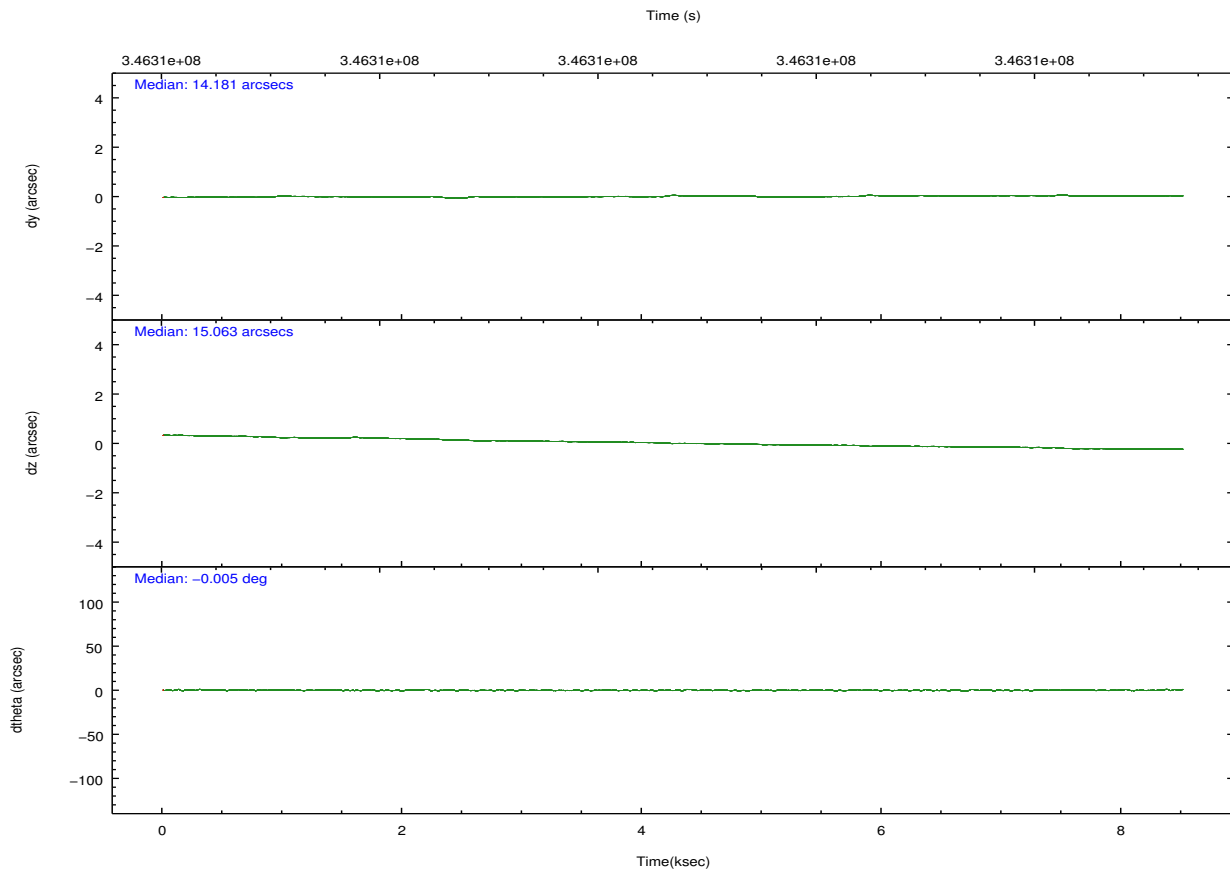
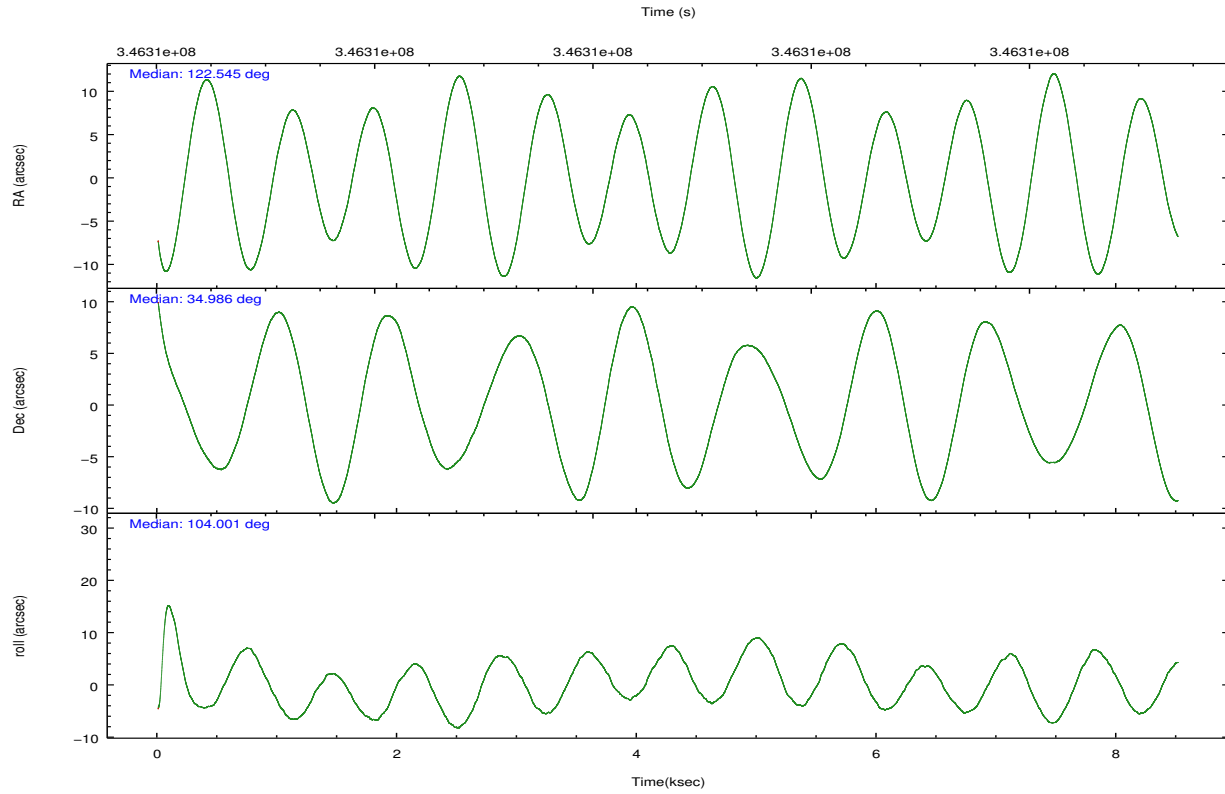
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	79938	74940	130596	80133	113826	101439	grade 0 events	3907	4191	7830	3849	4039	7507
rejected events	70648	65387	68577	70159	66673	77399		4%	5%	5%	4%	3%	7%
rejected %	88%	87%	52%	87%	58%	76%	grade 1 events	63	58	196	53	116	69
								0%	0%	0%	0%	0%	0%
							grade 2 events	2005	1892	18916	2207	9702	5580
								2%	2%	14%	2%	8%	5%
							grade 3 events	884	910	2160	960	3965	2394
								1%	1%	1%	1%	3%	2%
							grade 4 events	857	903	2011	902	3918	2161
								1%	1%	1%	1%	3%	2%
							grade 5 events	3435	3874	9077	3849	10720	5151
								4%	5%	6%	4%	9%	5%
							grade 6 events	1642	1663	31126	2059	25549	6403
								2%	2%	23%	2%	22%	6%
							grade 7 events	67145	61449	59280	66254	55817	72174
								83%	81%	45%	82%	49%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	122.568441	122.5449182117238	CCD I2 on	O1	Y
[deg] Pointing Dec	34.966671	34.98605816729944	CCD I3 on	O2	Y
[deg] Pointing Roll	103.838364	104.0084567001986	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	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	Y	Y
[s] Observation start time (MET)	346306951.184000	346305831.09319	CCD S5 on	N	N
Observation start date	2008-12-22T04:21:26	2008-12-22T04:03:51	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	346314951.184000	346315970.39369	On-chip summing requested	N	N
Observation end date	2008-12-22T06:34:46	2008-12-22T06:52:50	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



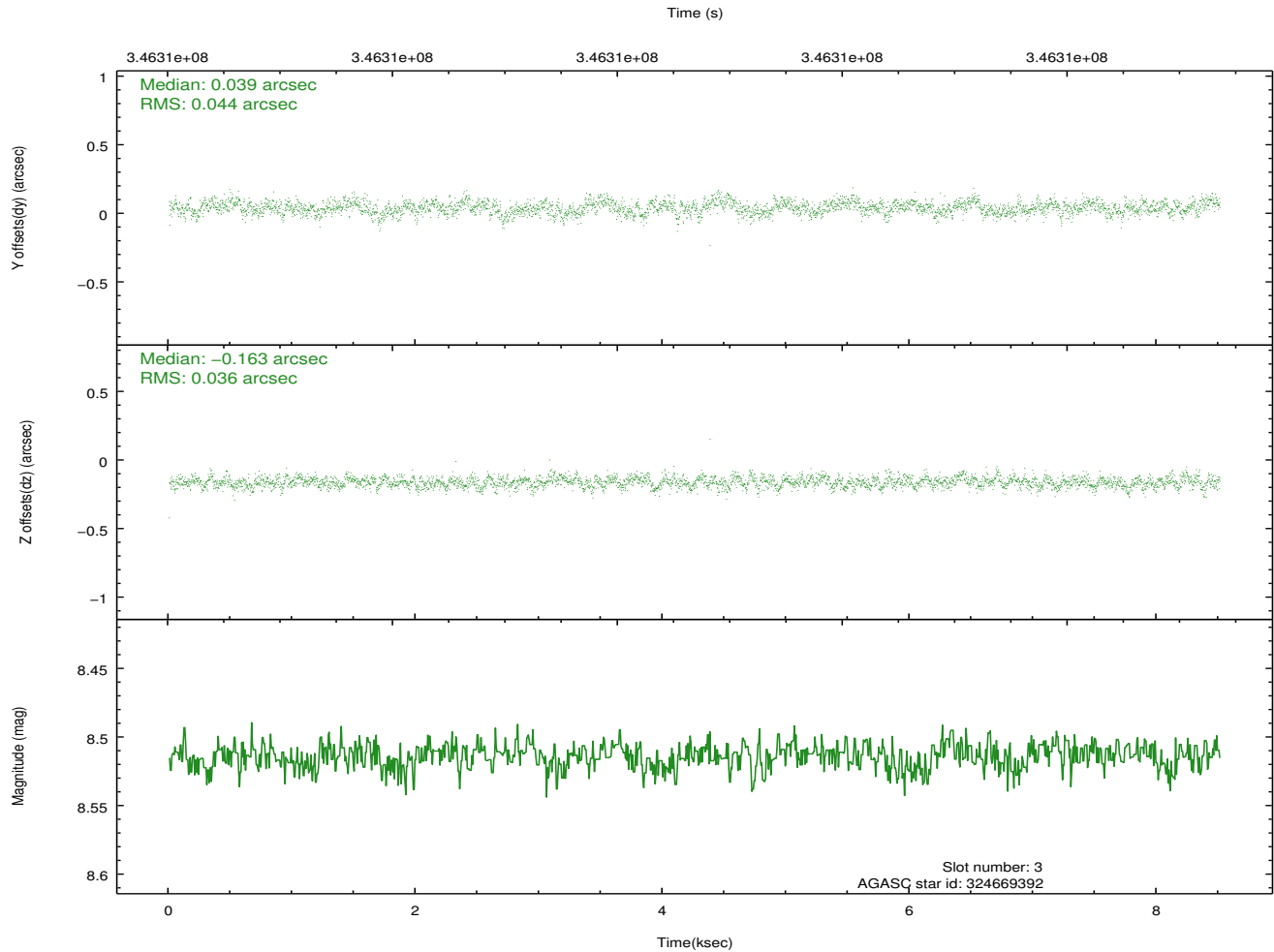
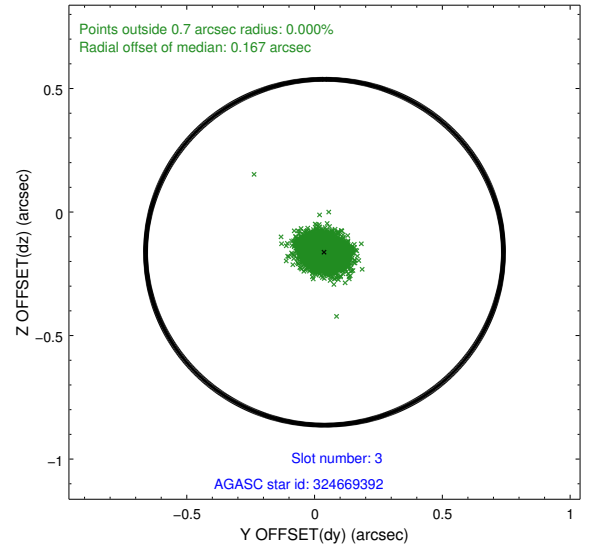
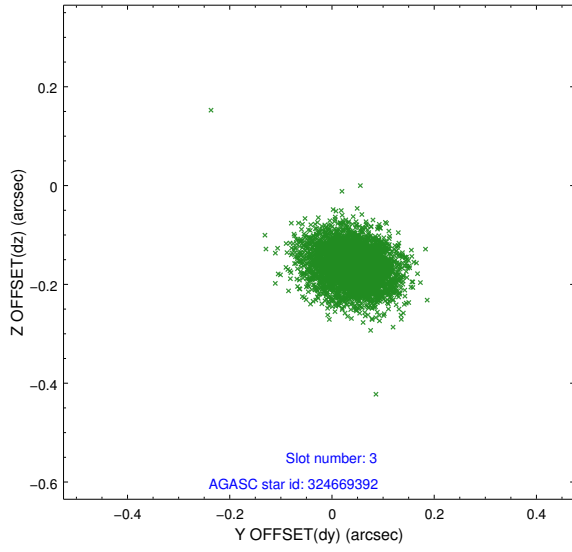


Slot Statistics

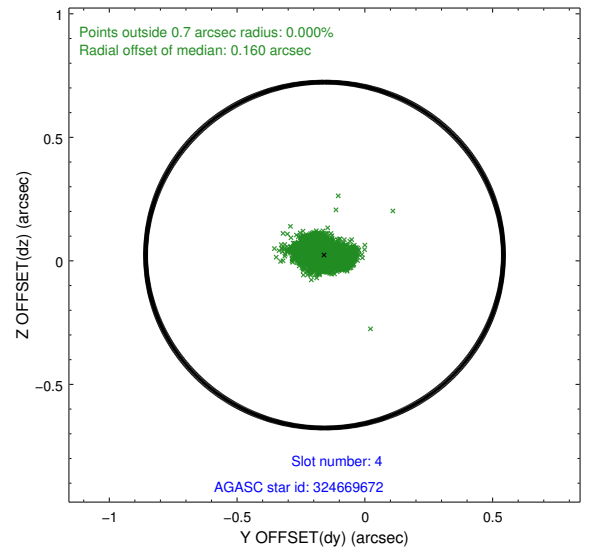
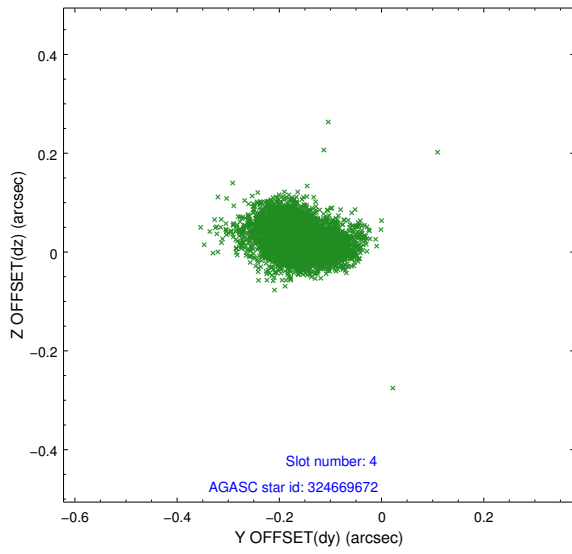
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.92	2076	-0.068	-0.013	0.007	0.012	0.000000	0.000000	-767.18	-1736.44
1	FID	ACIS-S-4	7.00	2076	0.179	0.036	0.005	0.010	0.000000	0.000000	2146.02	171.45
2	FID	ACIS-S-5	7.03	2075	-0.143	-0.014	0.006	0.011	0.000000	0.000000	-1819.29	165.77
3	GUIDE	324669392	8.51	4149	0.039	-0.163	0.059	0.098	122.314154	34.306803	-2124.79	1302.27
4	GUIDE	324669672	6.79	4151	-0.158	0.023	0.064	0.106	122.547825	35.454982	1718.33	-362.11
5	GUIDE	324671728	9.41	4143	0.062	0.114	0.119	0.194	123.335284	34.601374	-1811.14	-1893.71
6	GUIDE	324672736	9.54	4128	0.067	-0.059	0.096	0.158	122.158406	34.314057	-1988.24	1744.46
7	GUIDE	324675744	8.27	4148	-0.008	0.084	0.080	0.122	123.153334	34.445730	-2231.58	-1238.05

2.4 Star Slots

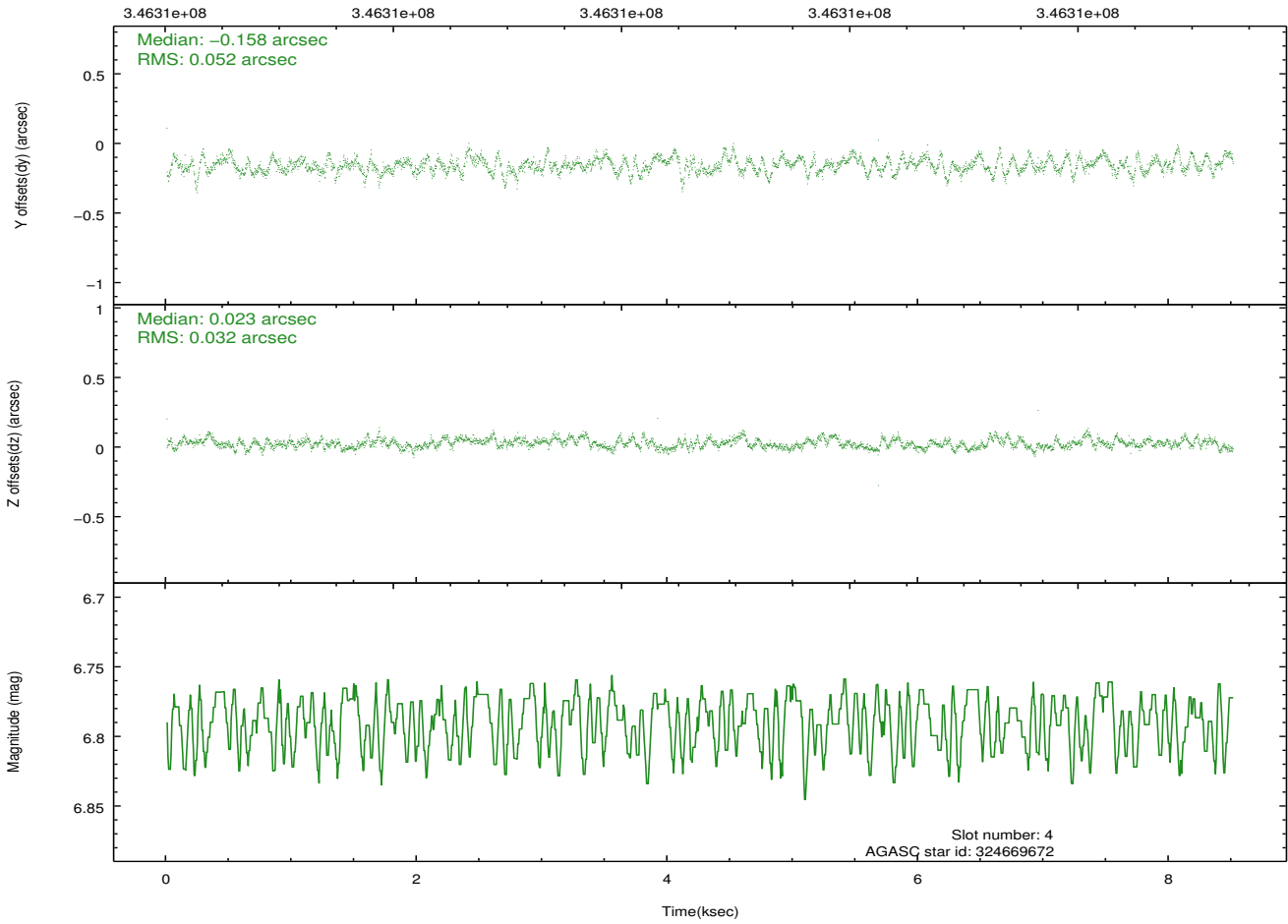
2.4.1 Slot 3



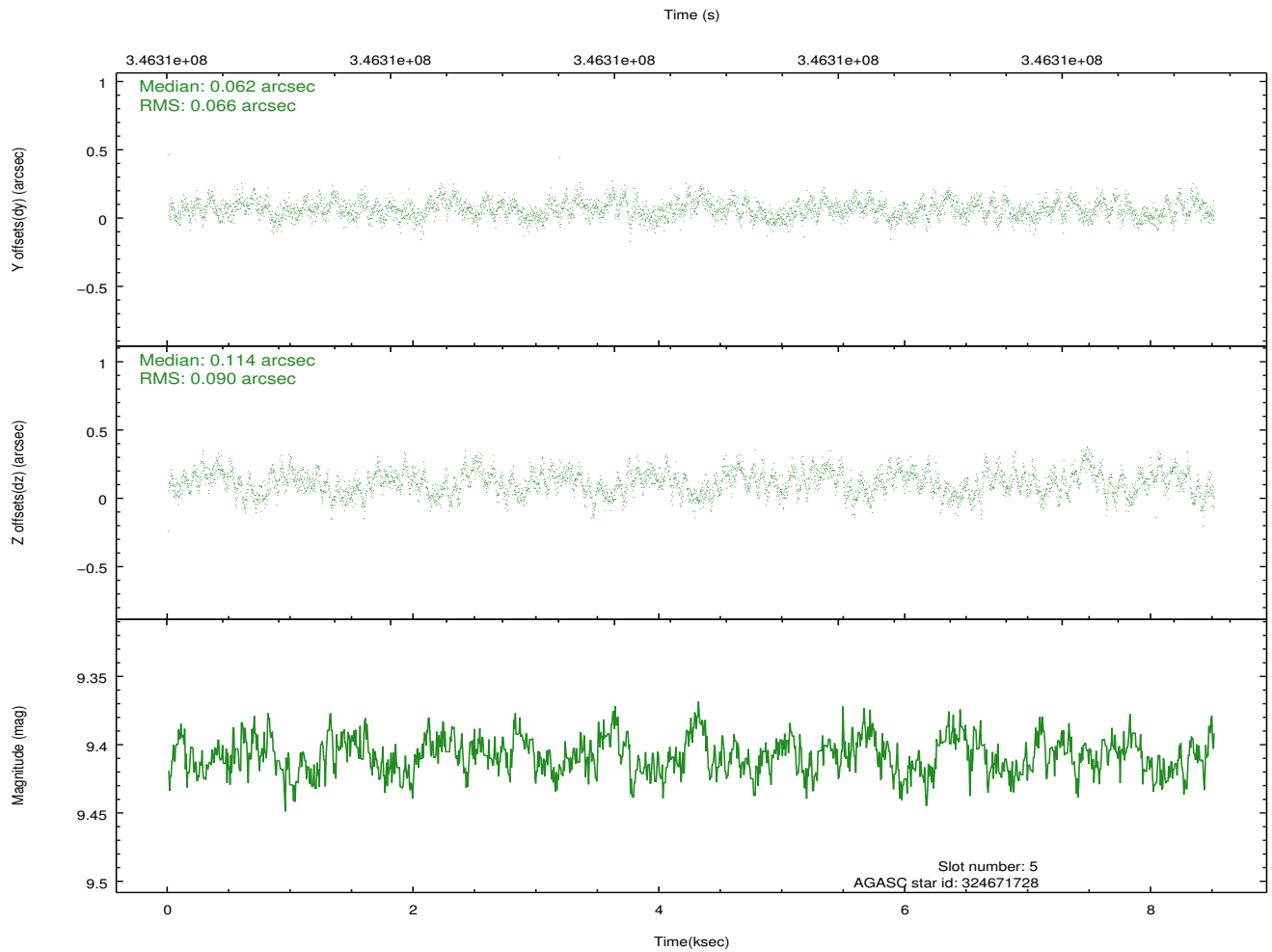
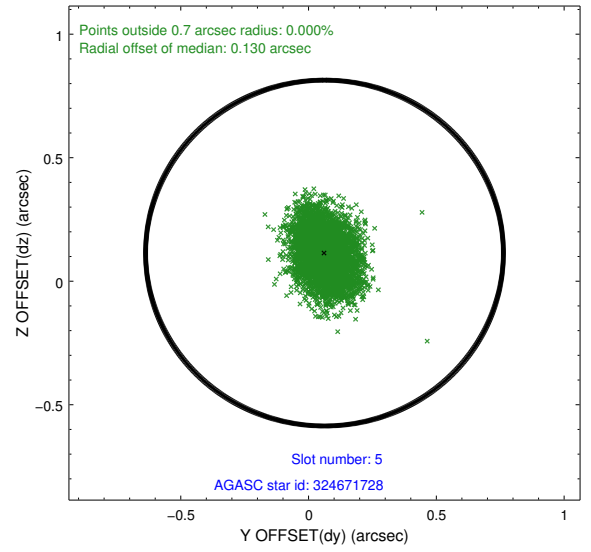
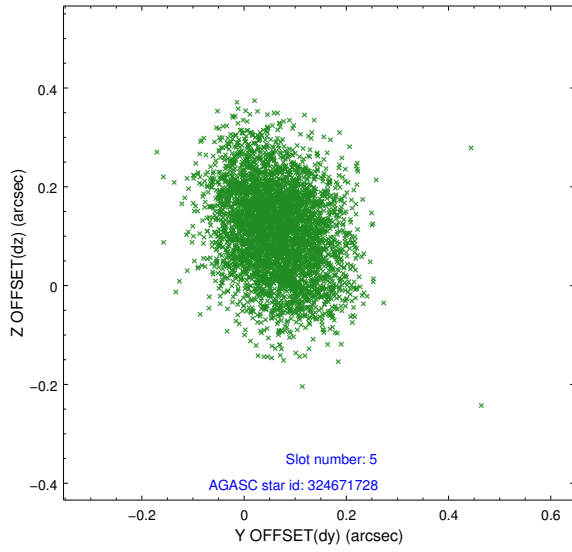
2.4.2 Slot 4



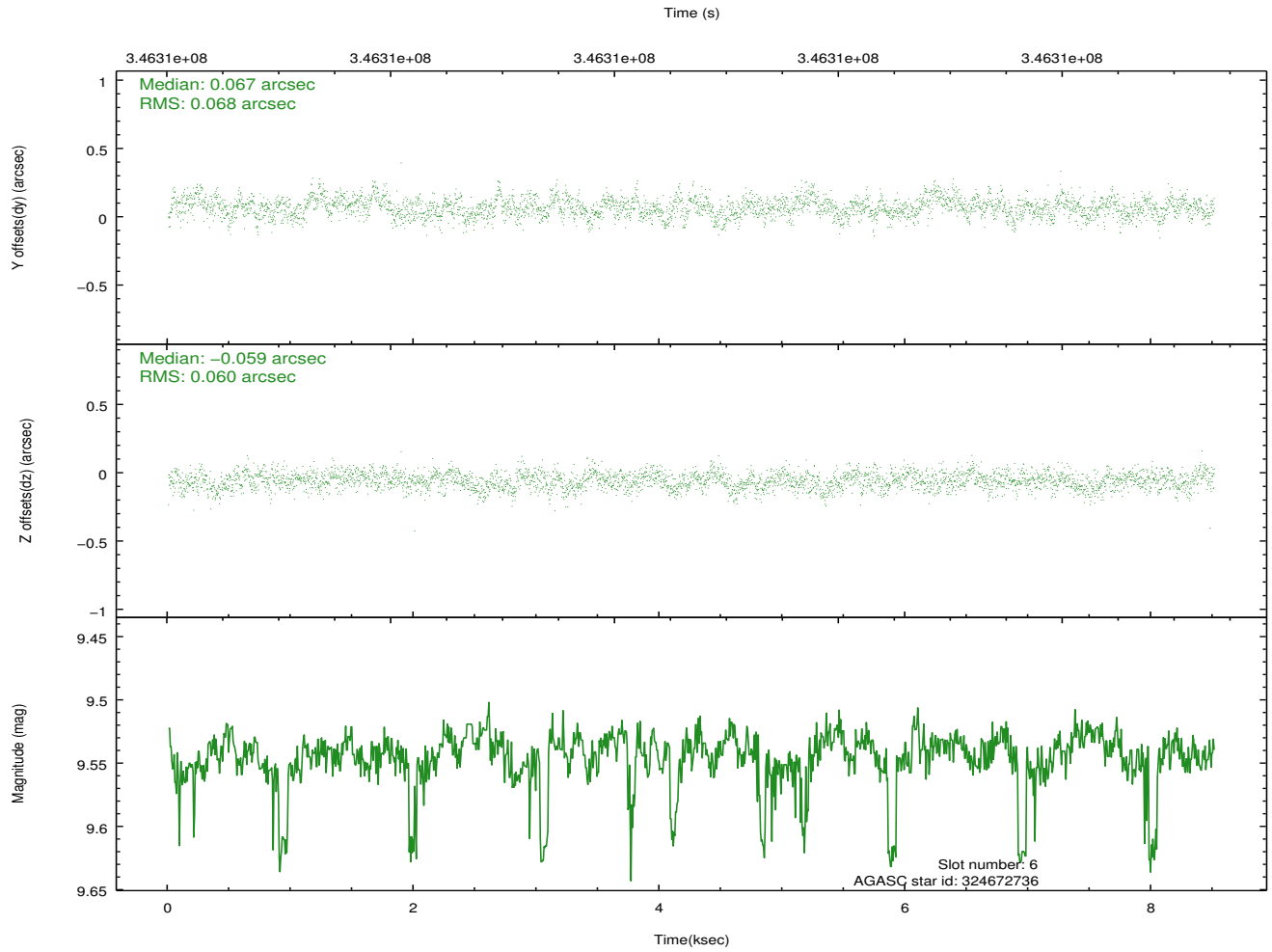
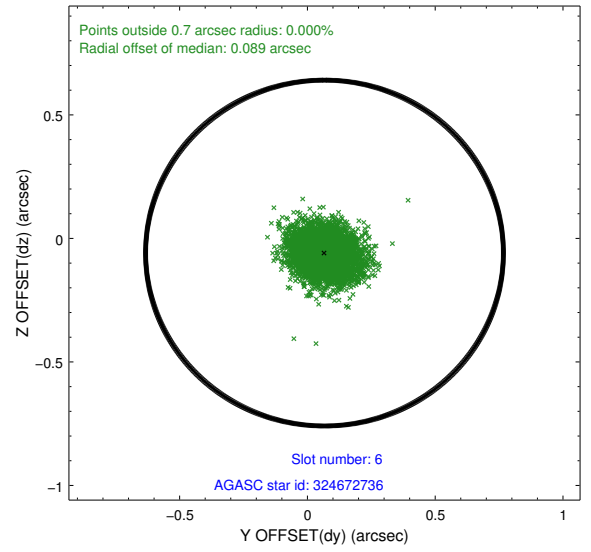
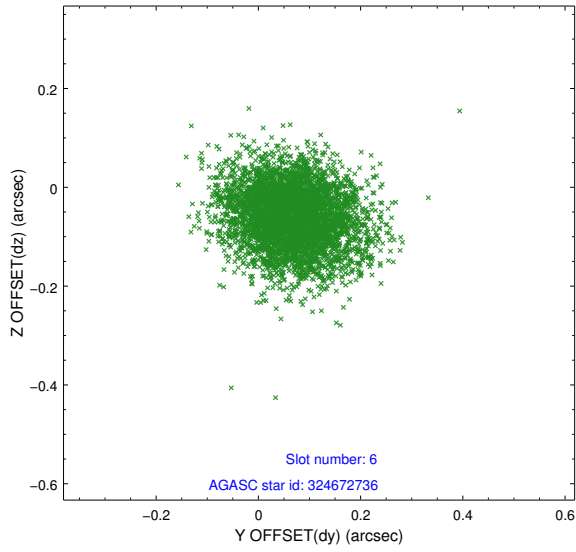
Time (s)



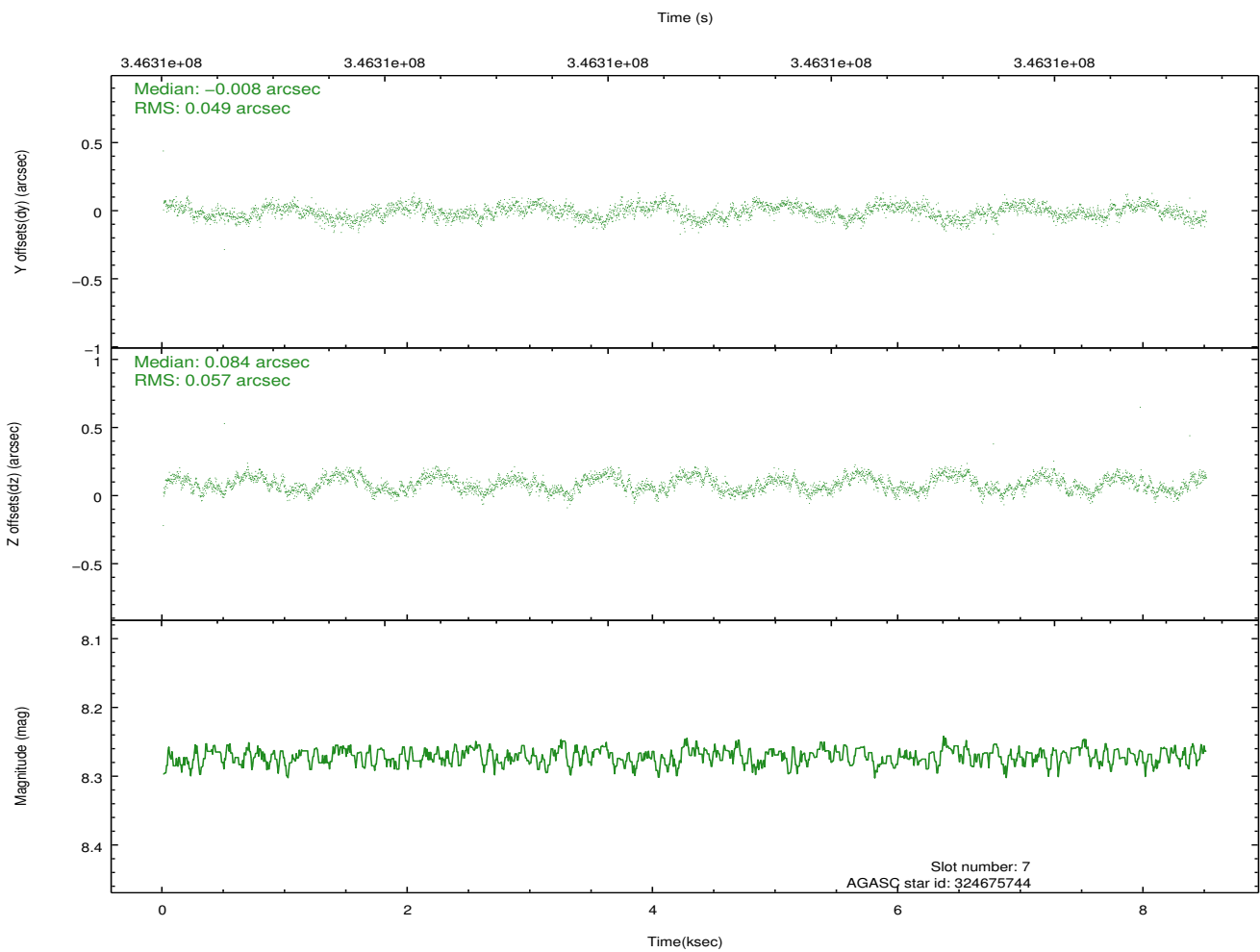
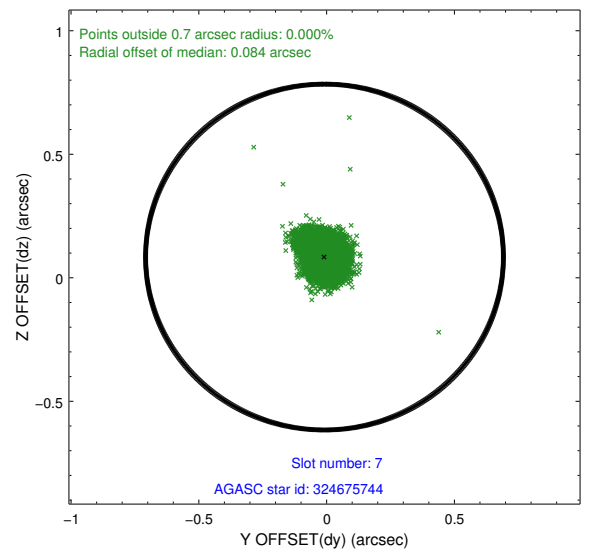
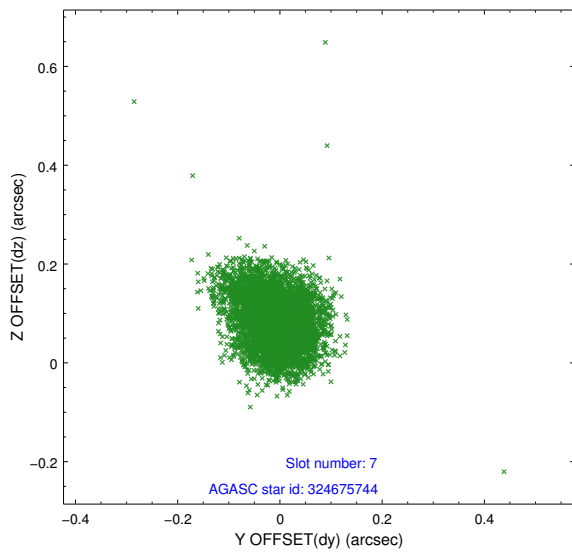
2.4.3 Slot 5



2.4.4 Slot 6

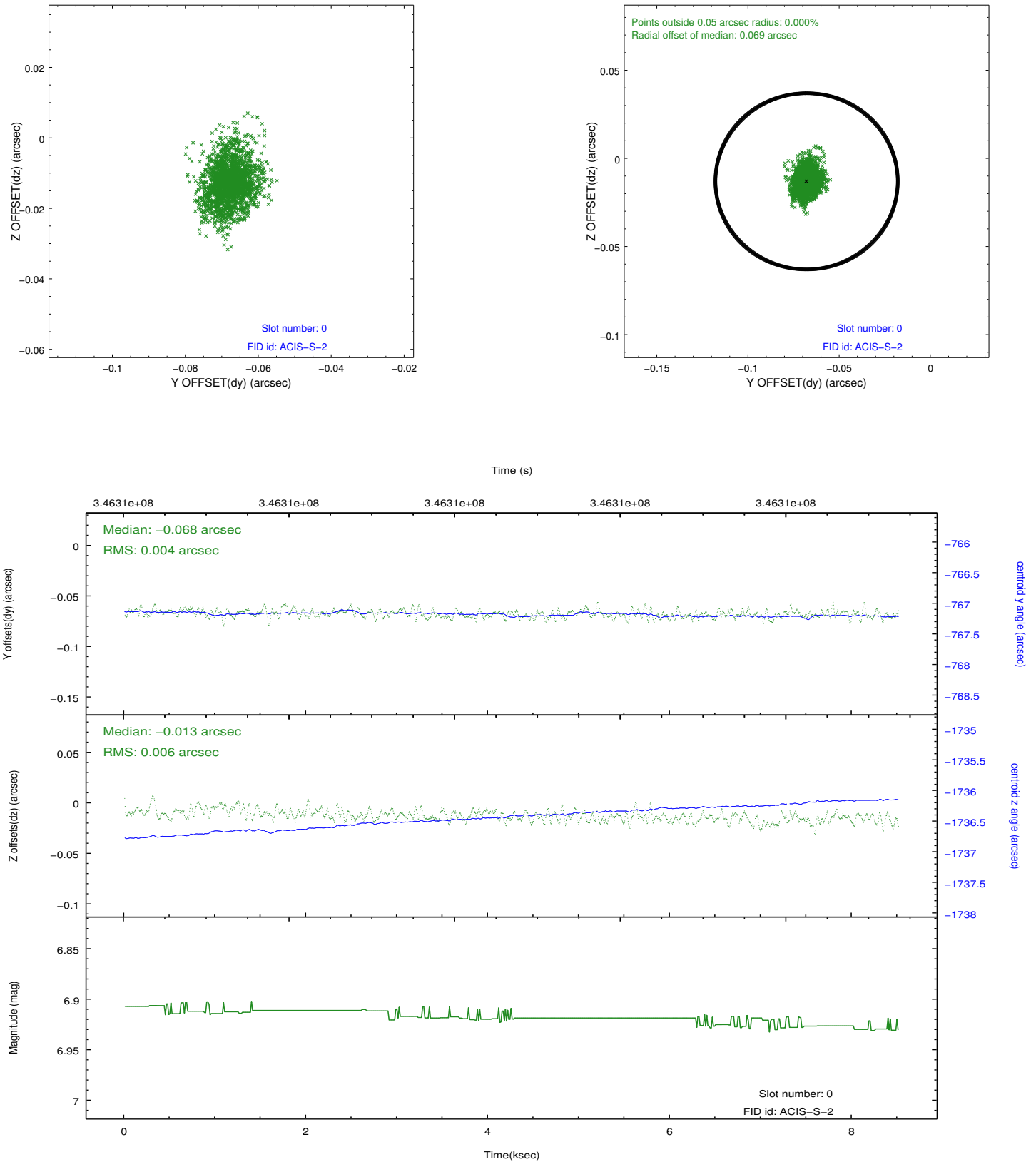


2.4.5 Slot 7

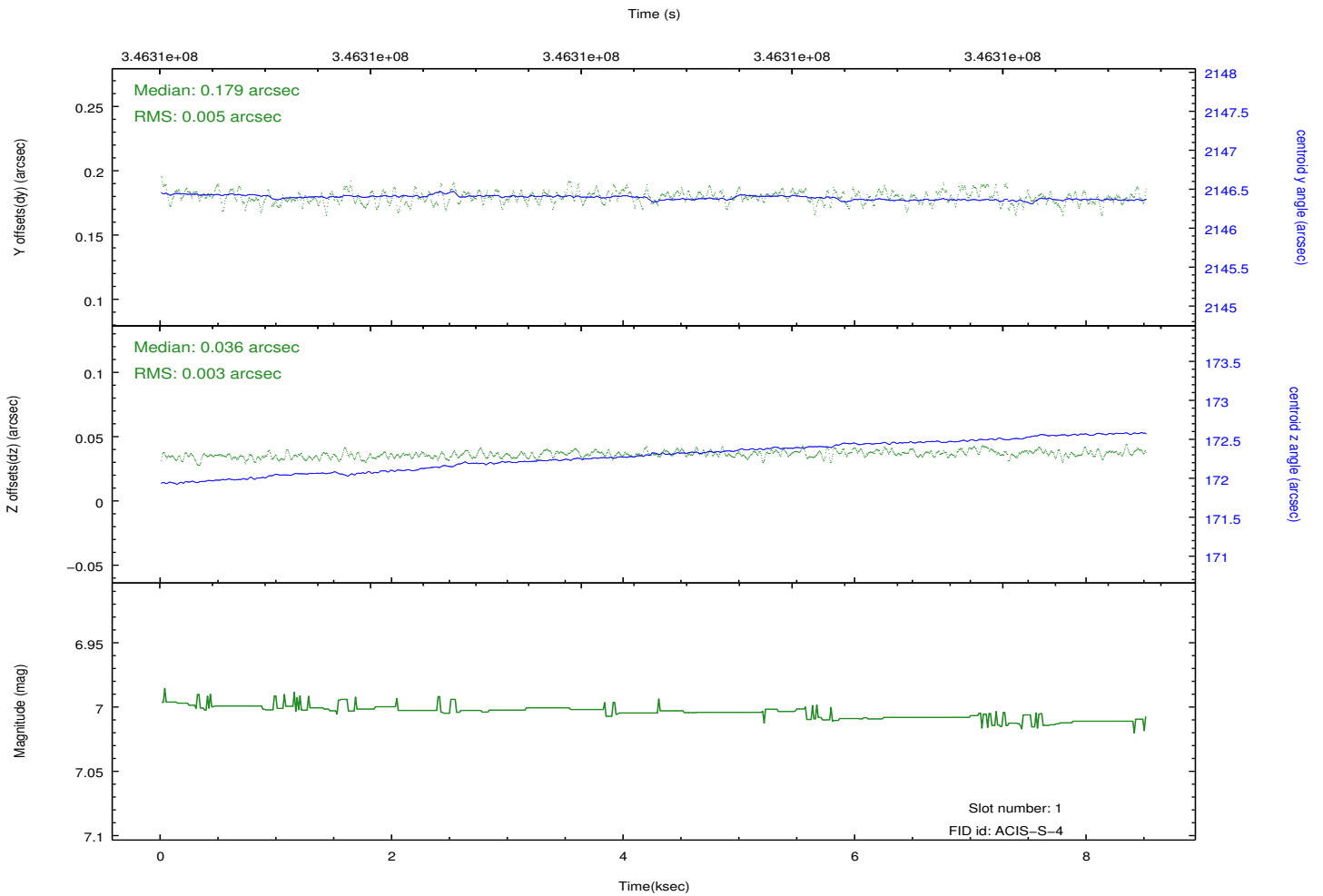
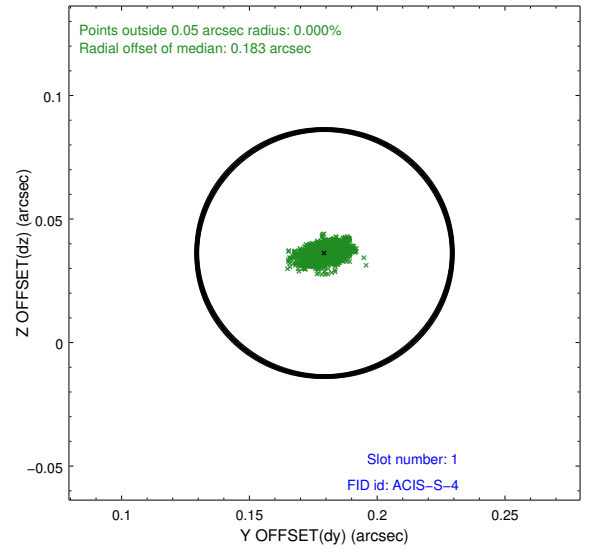
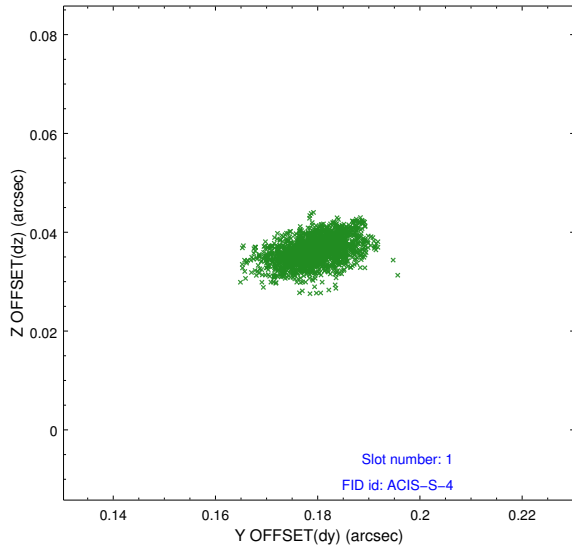


2.5 FID Slots

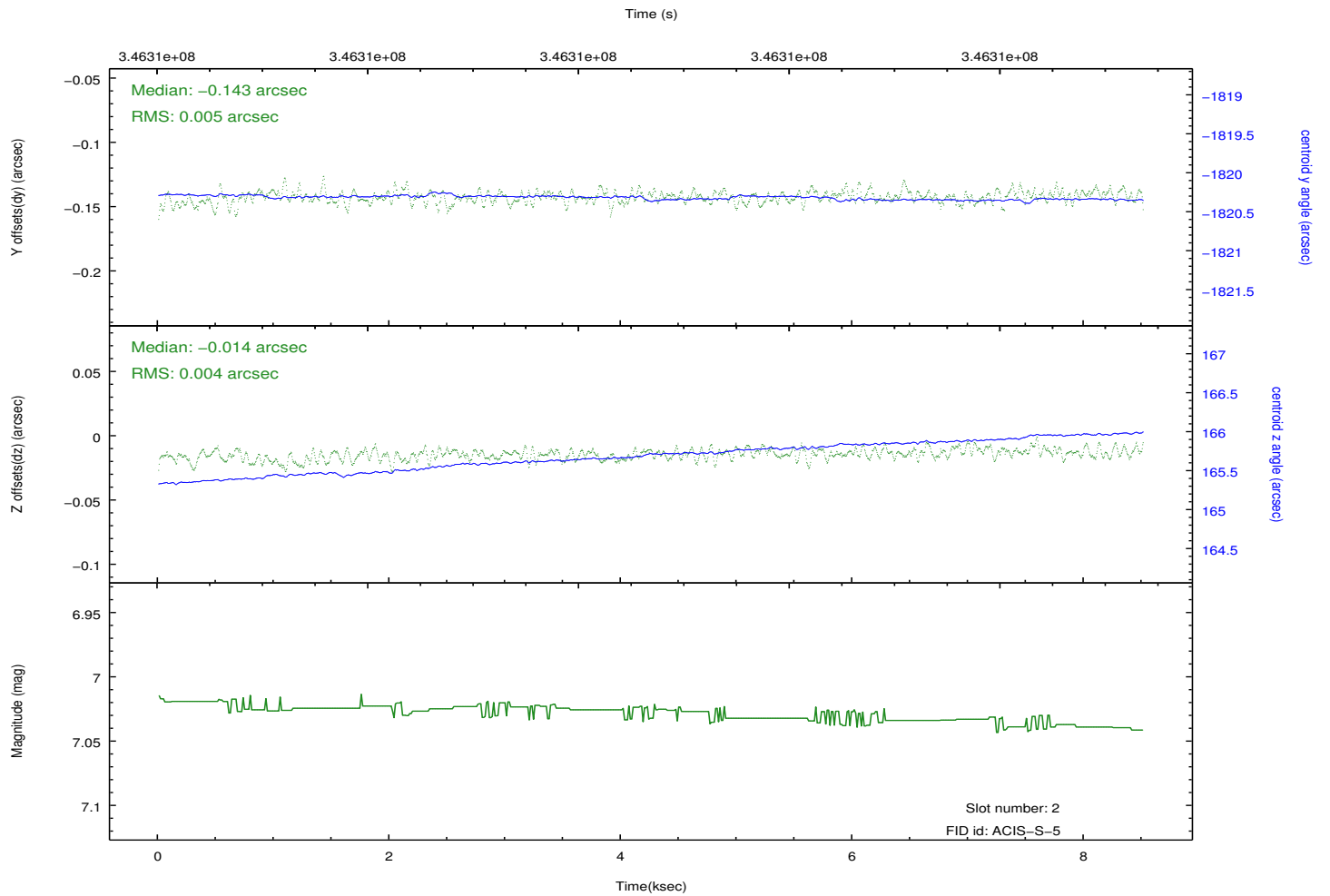
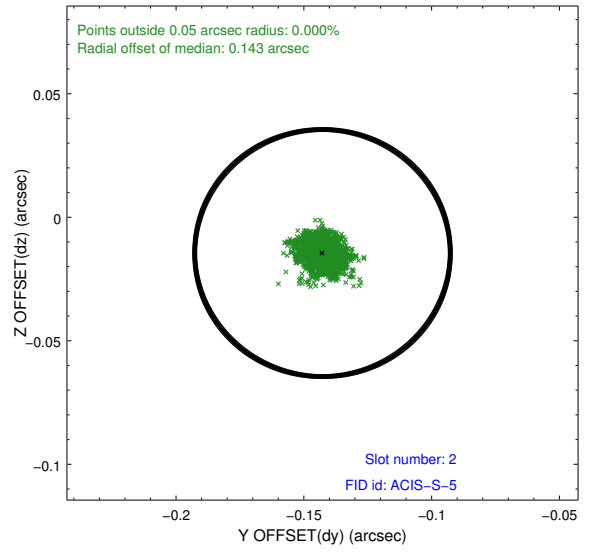
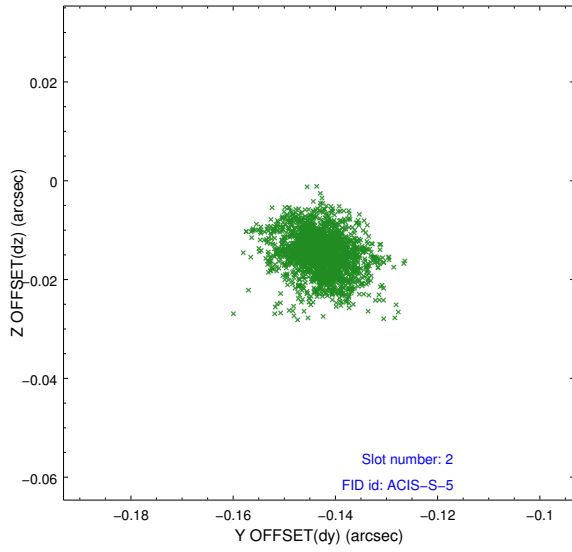
2.5.1 Slot 0



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)	2012.06.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.95199997

A.2 Comments