

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 15028 - L2 Version 2
Chandra X-Ray Center

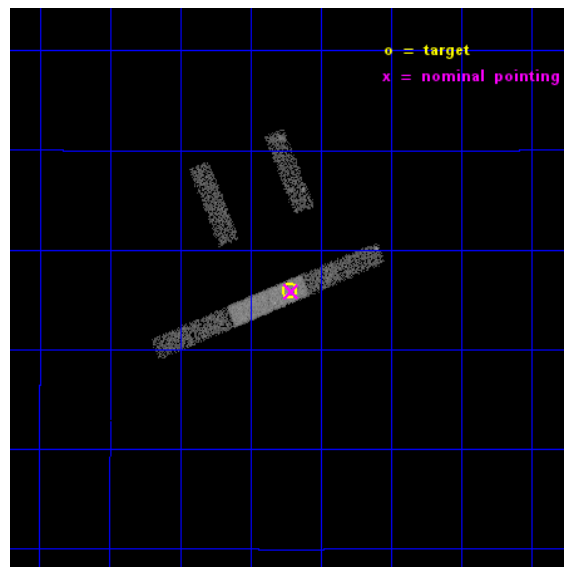
L2 Processing Date : Dec 2 2014

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1 Front

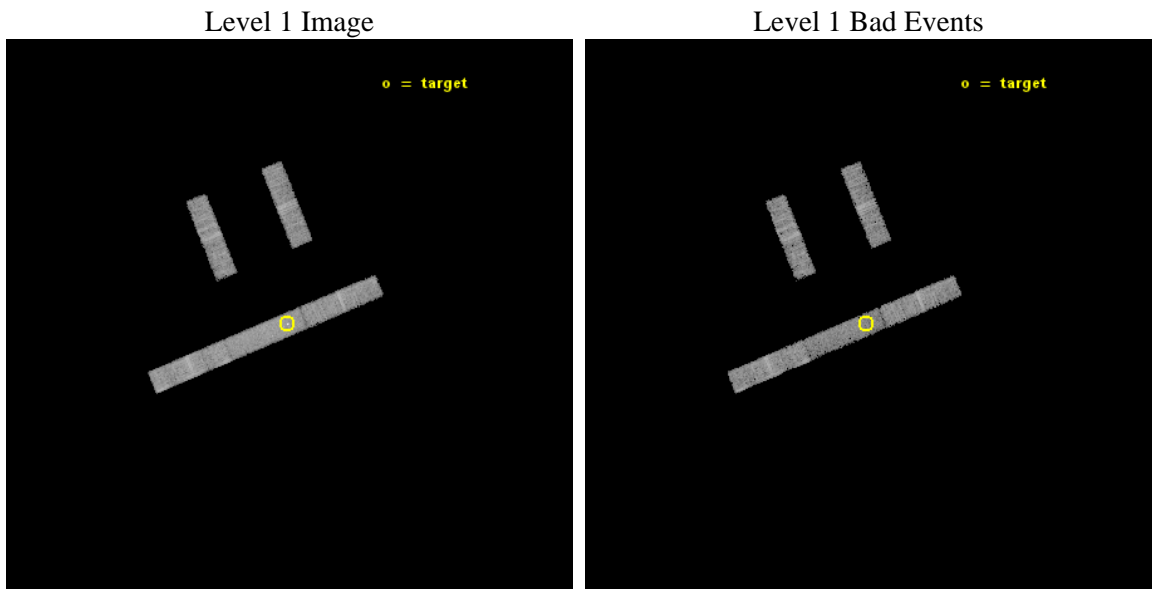
seq_num	702835	Sequence number
obs_id	15028	Observation id
title	Are Double-Peaked Optical Emission Lines Reliable Indicators of Dual AGNs?	Proposal title
observer	Dr. Claire Max	Principal investigator
object	SDSS J150243.09+111557.3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	225.679583	Observer's specified target RA [deg]
dec_targ	11.265833	Observer's specified target Dec [deg]
ra_nom	225.6770615138	Nominal RA [deg]
dec_nom	11.264103466035	Nominal Dec [deg]
roll_nom	157.55498710175	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10057.0	Sum of GTIs [s]
livetime	9660.5317759164	Livetime [s]
ontime2	10057.0	Sum of GTIs [s]
ontime3	10057.0	Sum of GTIs [s]
ontime6	10057.0	Sum of GTIs [s]
ontime7	10057.0	Sum of GTIs [s]
ontime8	10057.0	Sum of GTIs [s]
l2events	16463	Number of level 2 events



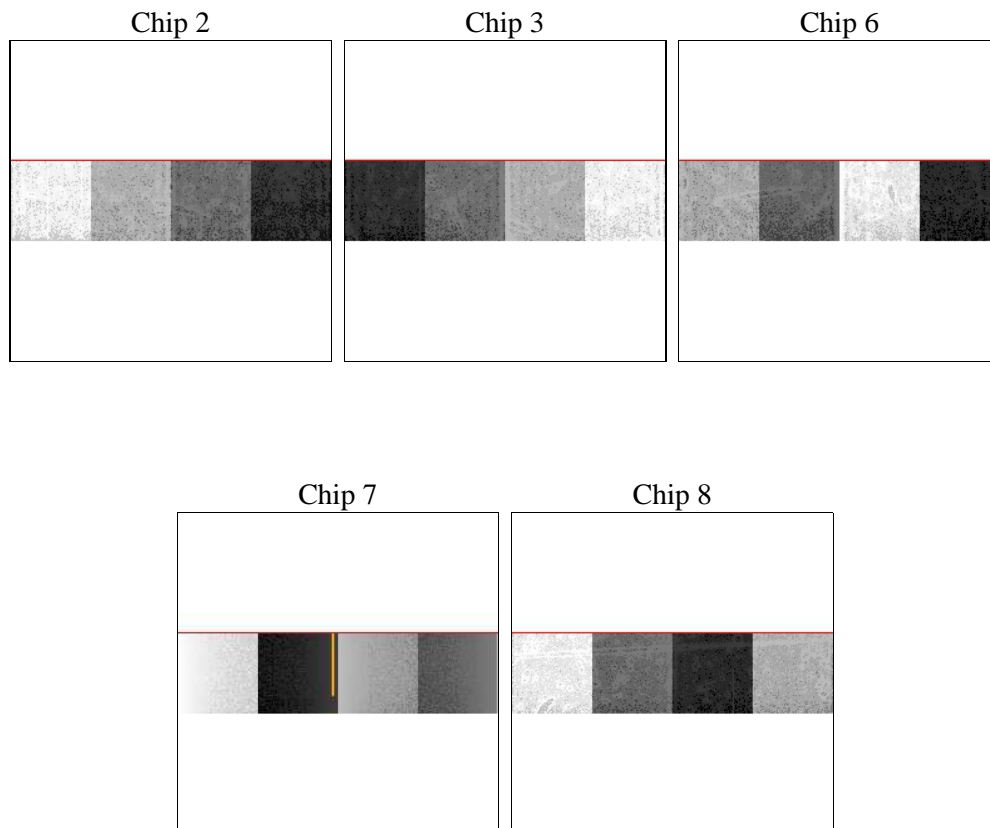
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.3	Processing system revision	ontime	10057.0	Sum of GTIs [s]
caldbver	4.6.4	 	ontime2	10057.0	Sum of GTIs [s]
date	2014-12-02T21:50:40	Date and time of file creation	ontime3	10057.0	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	10057.0	Sum of GTIs [s]
			ontime7	10057.0	Sum of GTIs [s]
			ontime8	10057.0	Sum of GTIs [s]
			l1events	92532	Number of level 1 events

2.1.4 Events

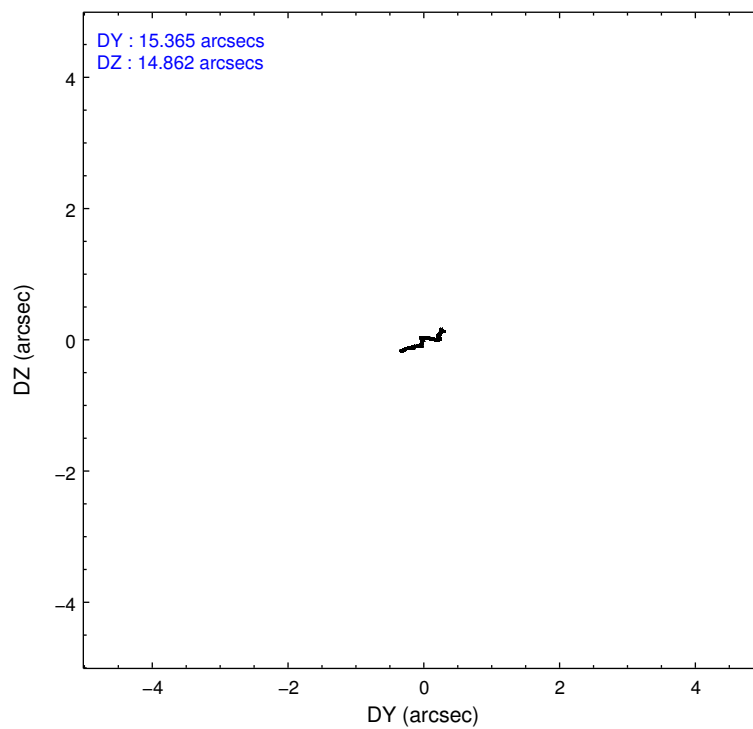
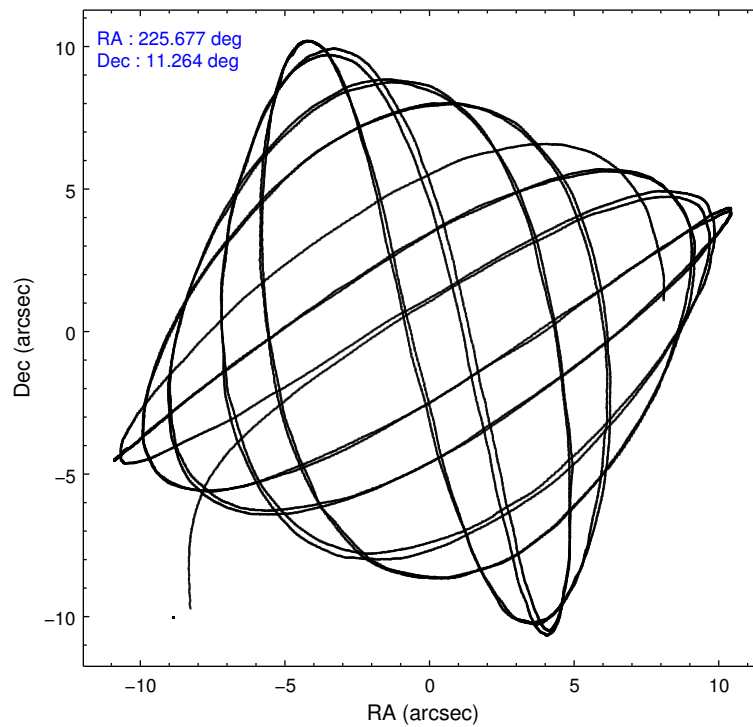
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	15270	15861	17980	20890	22531
rejected events	13349	14113	15617	10937	17142
rejected %	87%	88%	86%	52%	76%

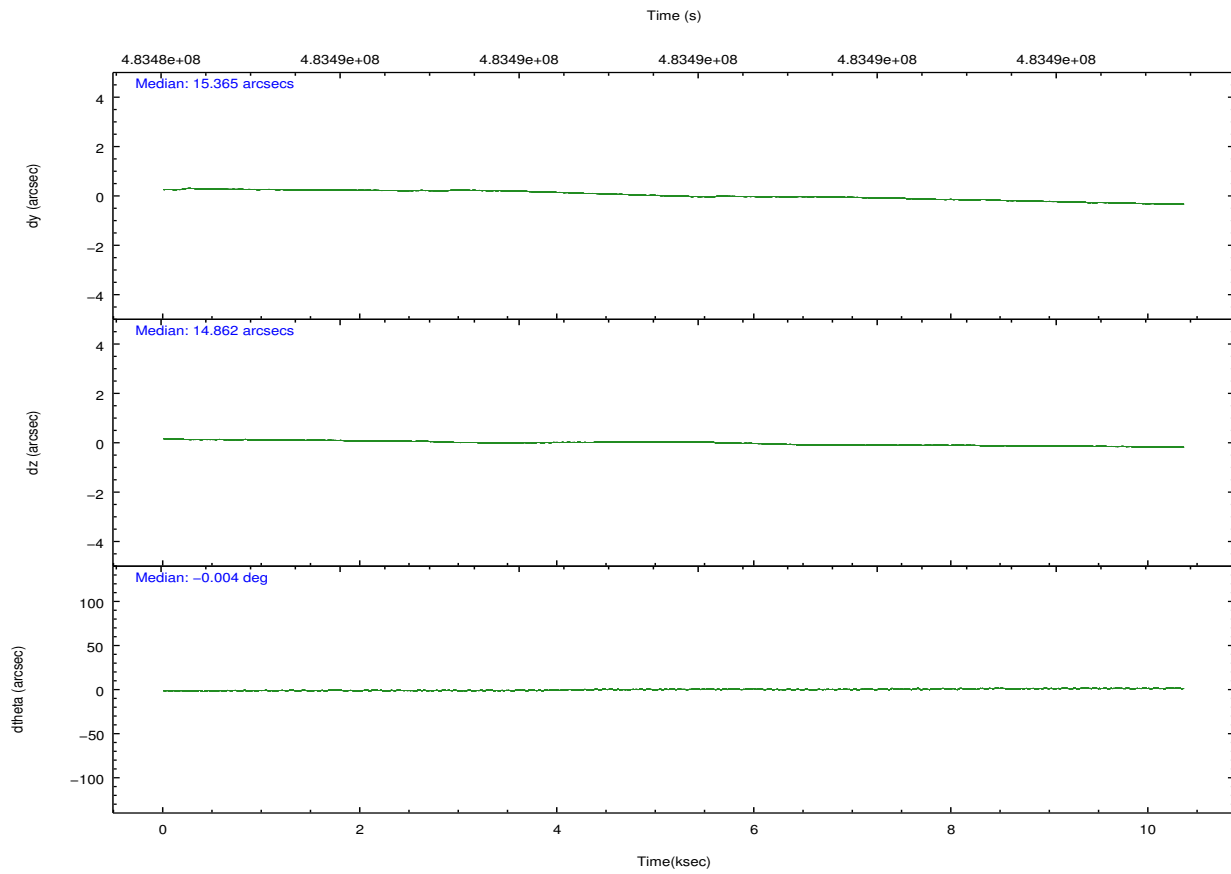
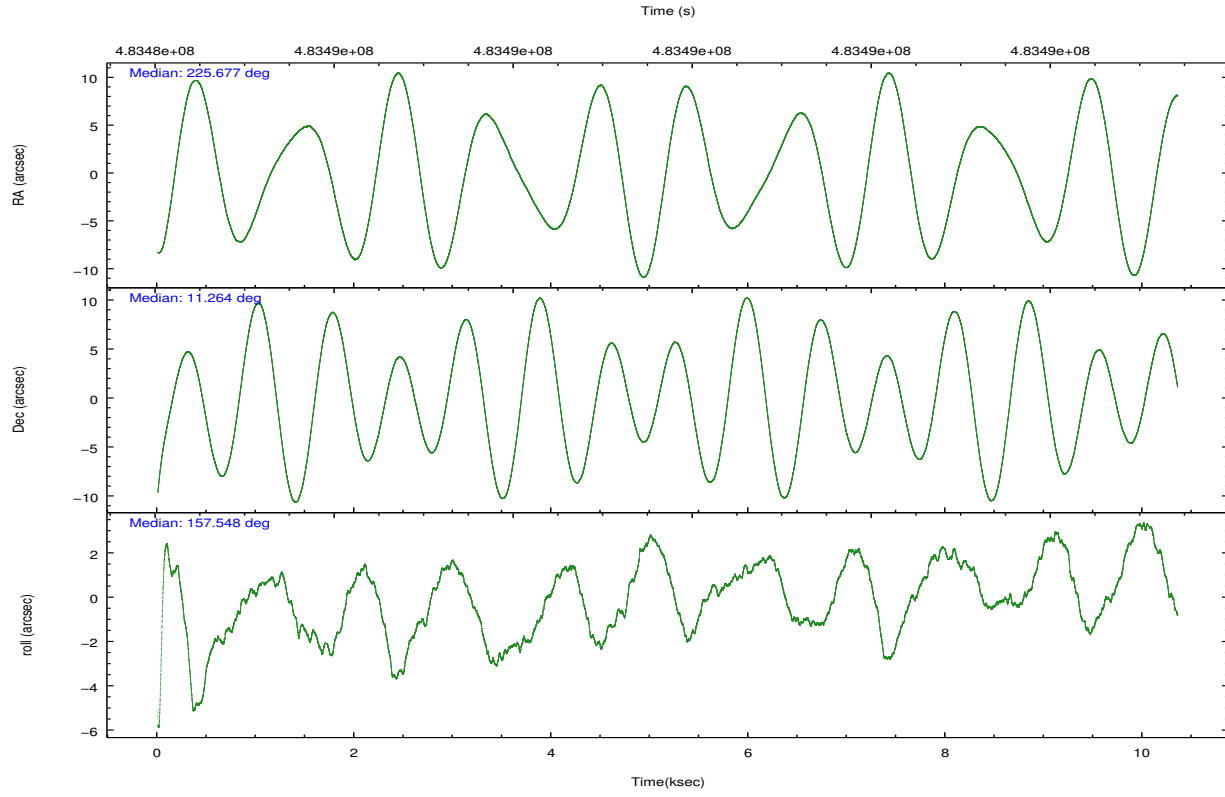
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	657	506	931	1184	1308
	4%	3%	5%	5%	5%
grade 1 events	4	10	7	23	9
	0%	0%	0%	0%	0%
grade 2 events	410	357	403	2010	1268
	2%	2%	2%	9%	5%
grade 3 events	256	266	311	1072	586
	1%	1%	1%	5%	2%
grade 4 events	280	278	283	1042	550
	1%	1%	1%	4%	2%
grade 5 events	565	752	791	2079	1085
	3%	4%	4%	9%	4%
grade 6 events	319	341	435	4650	1677
	2%	2%	2%	22%	7%
grade 7 events	12779	13351	14819	8830	16048
	83%	84%	82%	42%	71%

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	225.704647	225.6770615137958	CCD I2 on	O2	Y
[deg] Pointing Dec	11.268063	11.2641034660351	CCD I3 on	O3	Y
[deg] Pointing Roll	157.392980	157.5549871017535	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	O4	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	O1	Y
[s] Observation start time (MET)	483484908.184000	483483719.61206	CCD S5 on	N	N
Observation start date	2013-04-27T21:20:41	2013-04-27T21:01:59	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	483494908.184000	483495618.83771	On-chip summing requested	N	N
Observation end date	2013-04-28T00:07:21	2013-04-28T00:20:18	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





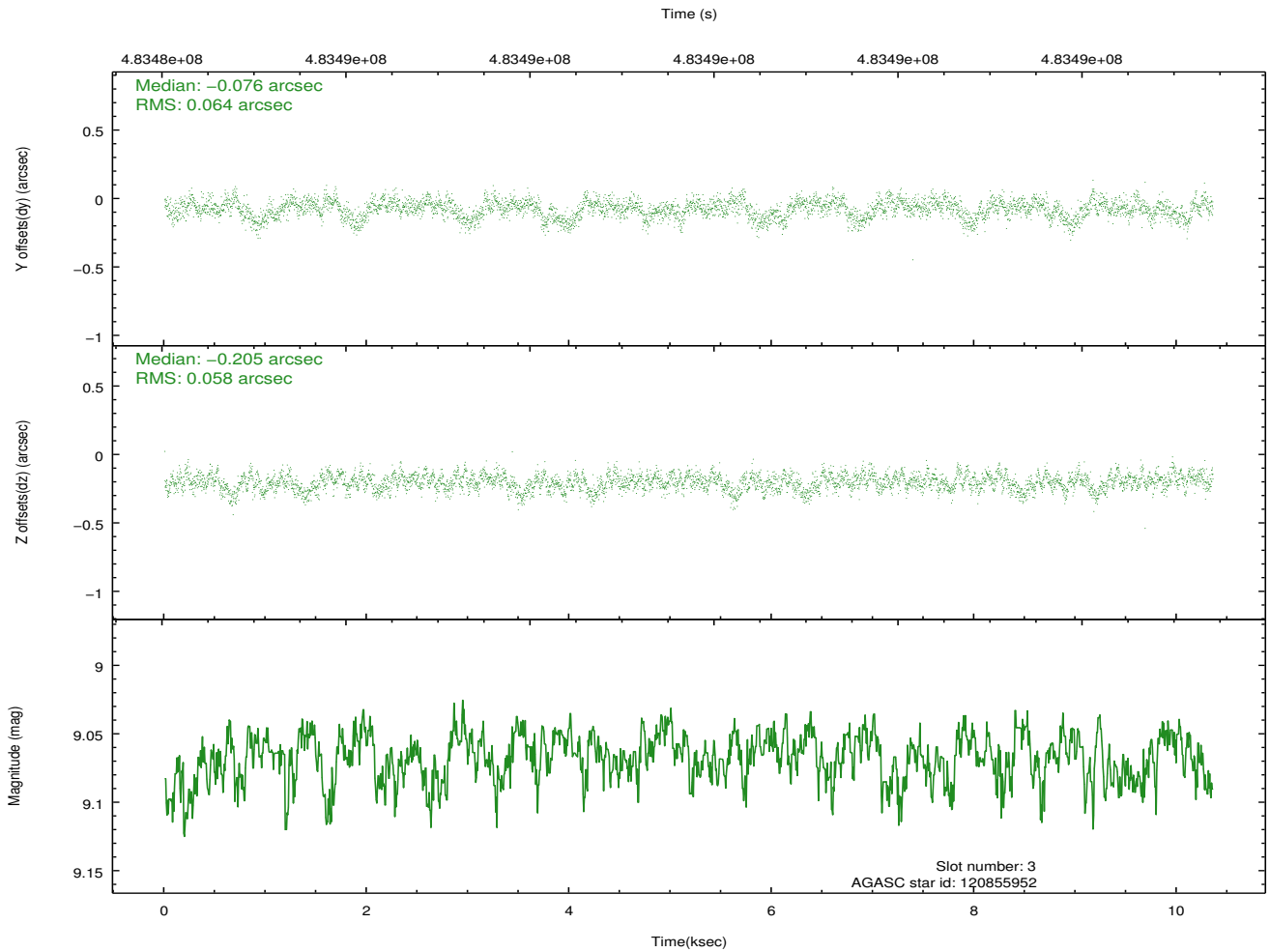
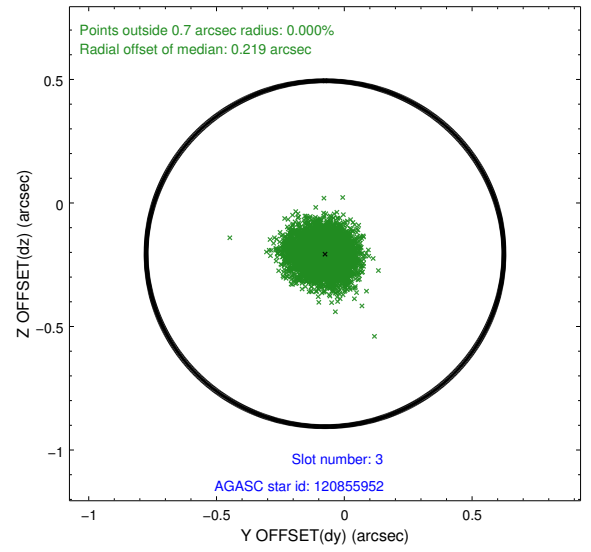
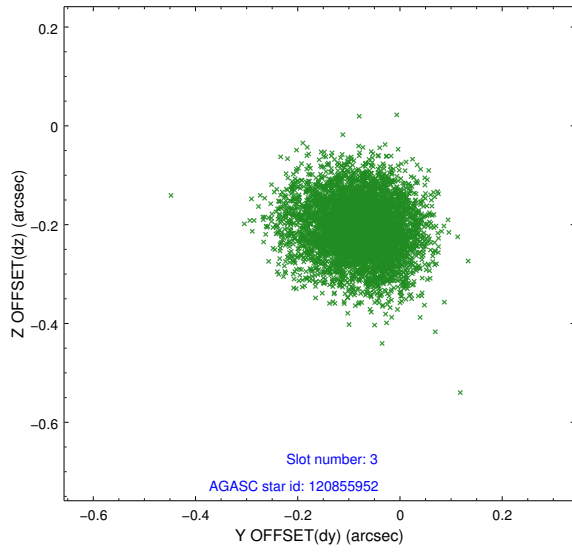
Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	6.95	2524	-0.114	-0.007	0.007	0.011	0.000000	0.000000	-768.48	-1736.23
1	FID		ACIS-S-4	7.03	2524	0.226	0.057	0.006	0.011	0.000000	0.000000	2144.90	171.80
2	FID		ACIS-S-5	7.06	2523	-0.143	-0.041	0.008	0.014	0.000000	0.000000	-1820.71	165.93
3	GUIDE	used	120855952	9.07	5046	-0.076	-0.205	0.094	0.150	225.151757	11.204651	1715.51	959.90
4	GUIDE	used	120856304	9.18	5036	-0.003	0.493	0.137	0.234	225.866152	11.797631	208.39	-1977.89
5	GUIDE	used	120857304	7.33	5051	0.064	-0.094	0.071	0.117	226.016011	10.735132	-1753.43	1346.90
6	GUIDE	used	120858320	7.68	5048	-0.125	-0.234	0.069	0.111	225.523344	11.154817	434.77	622.81
7	GUIDE	used	120859776	9.23	5047	0.138	0.032	0.101	0.162	225.755657	11.524020	188.97	-919.40

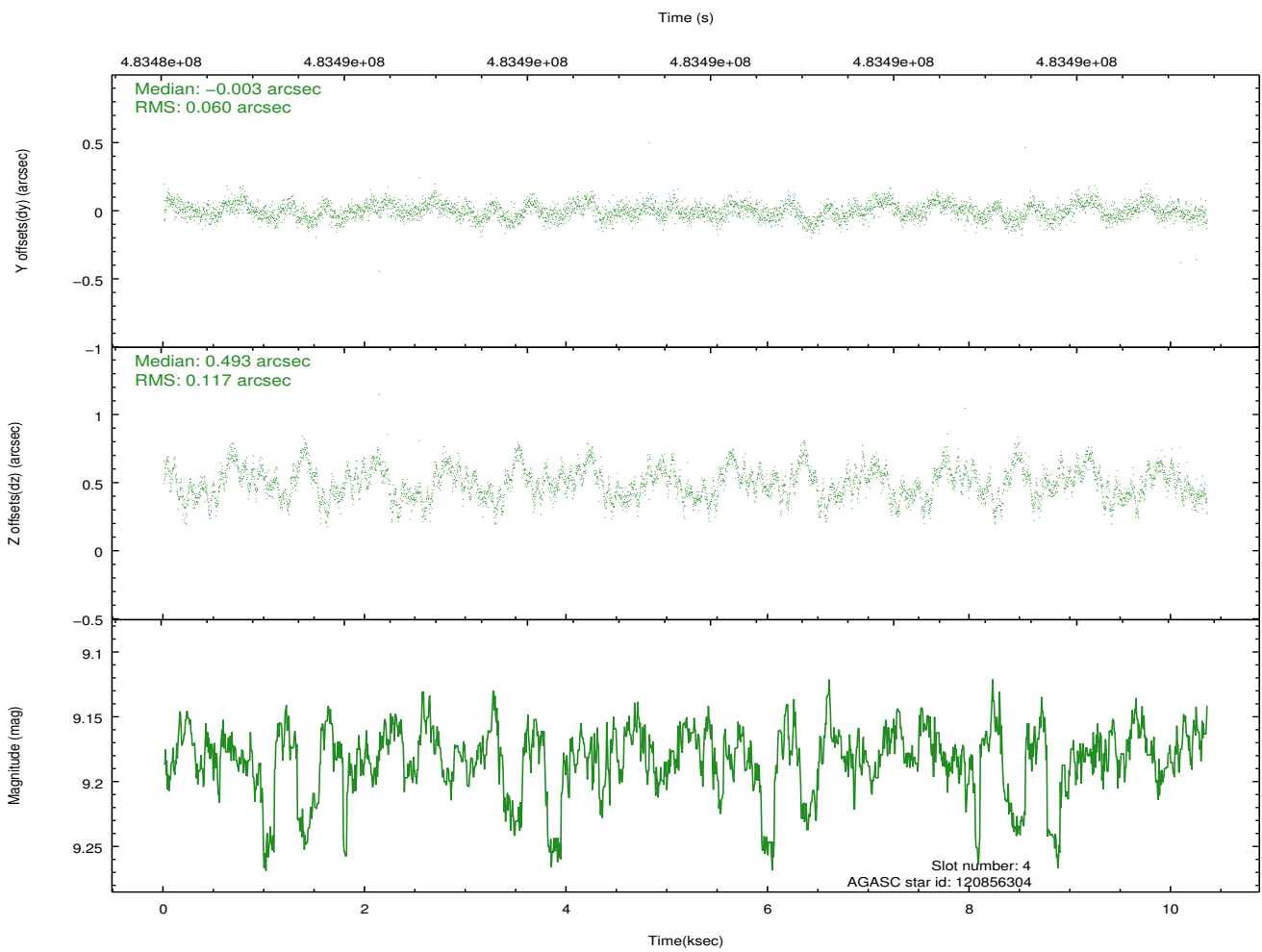
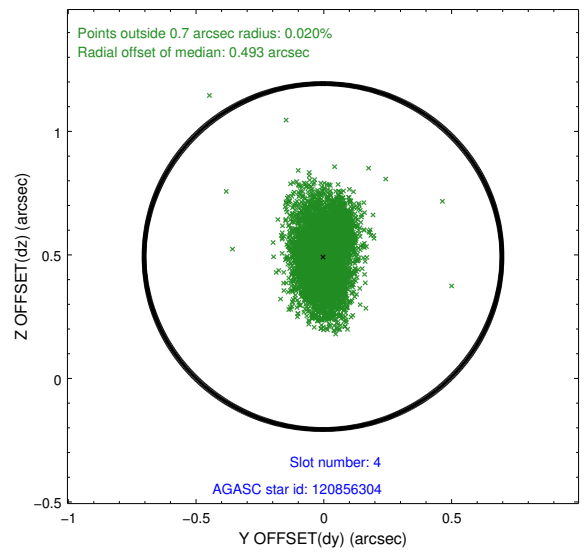
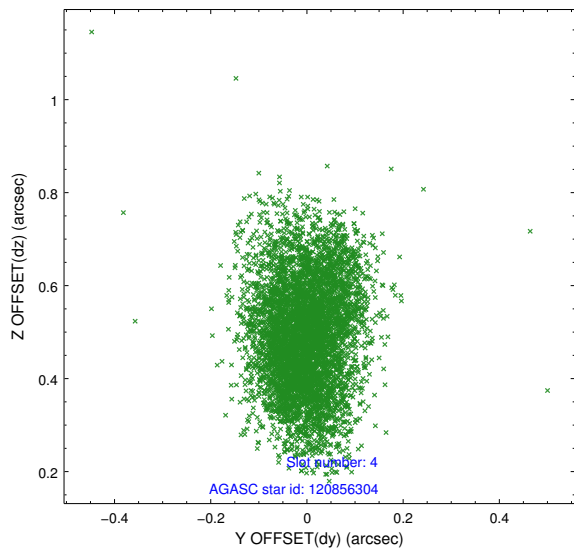
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2.4 Star Slots

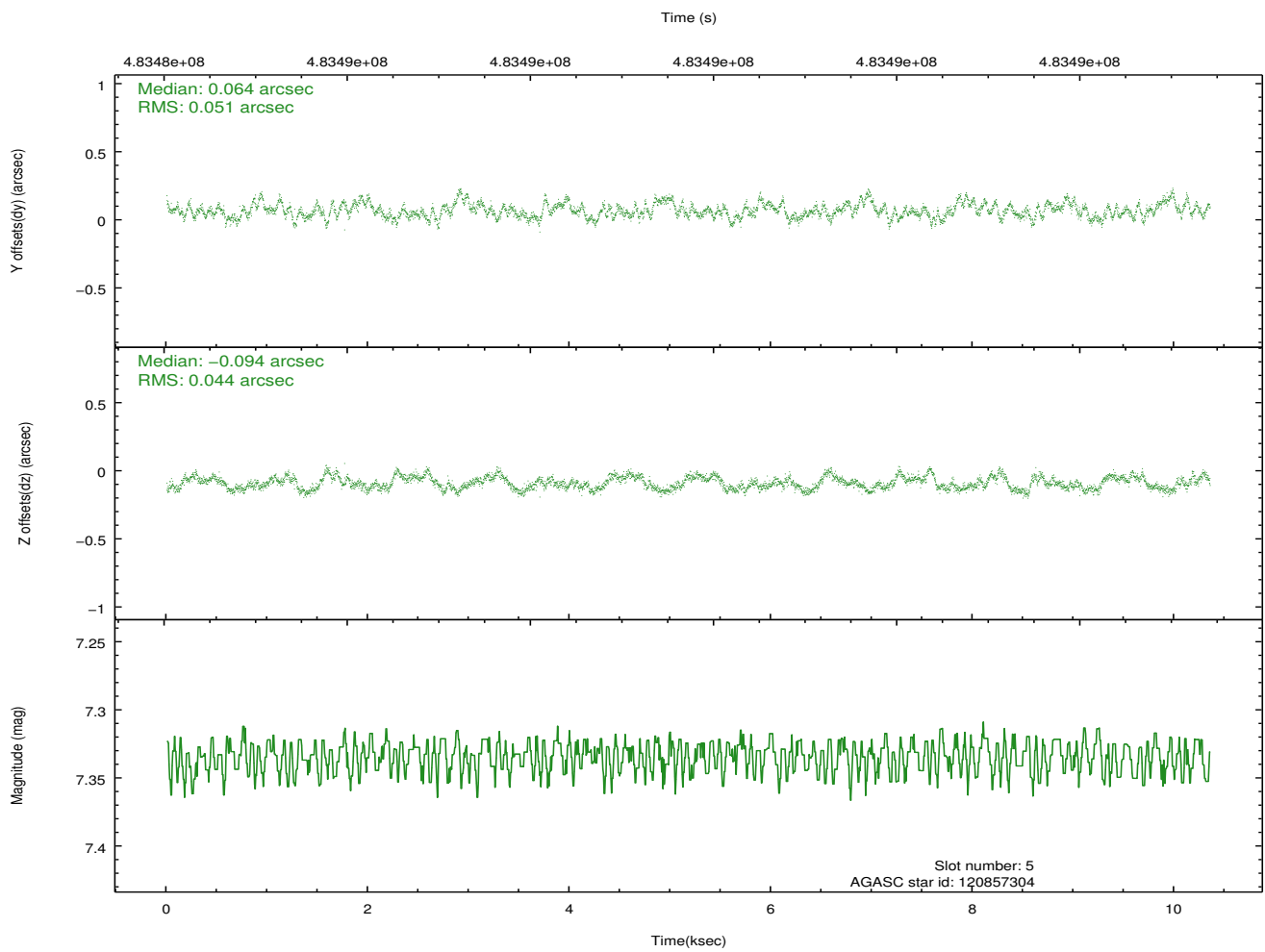
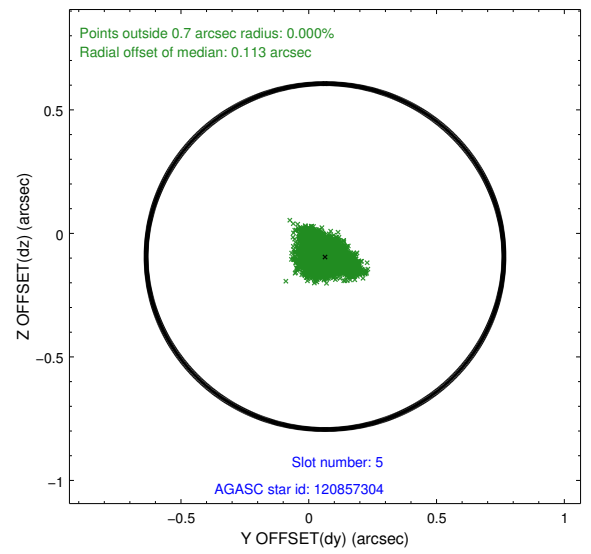
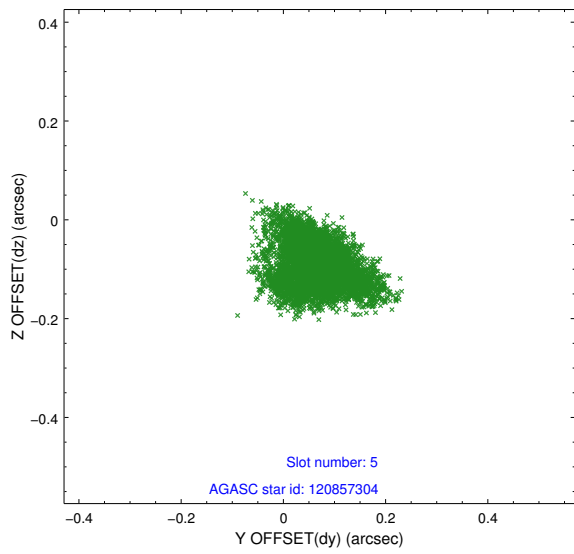
2.4.1 Slot 3



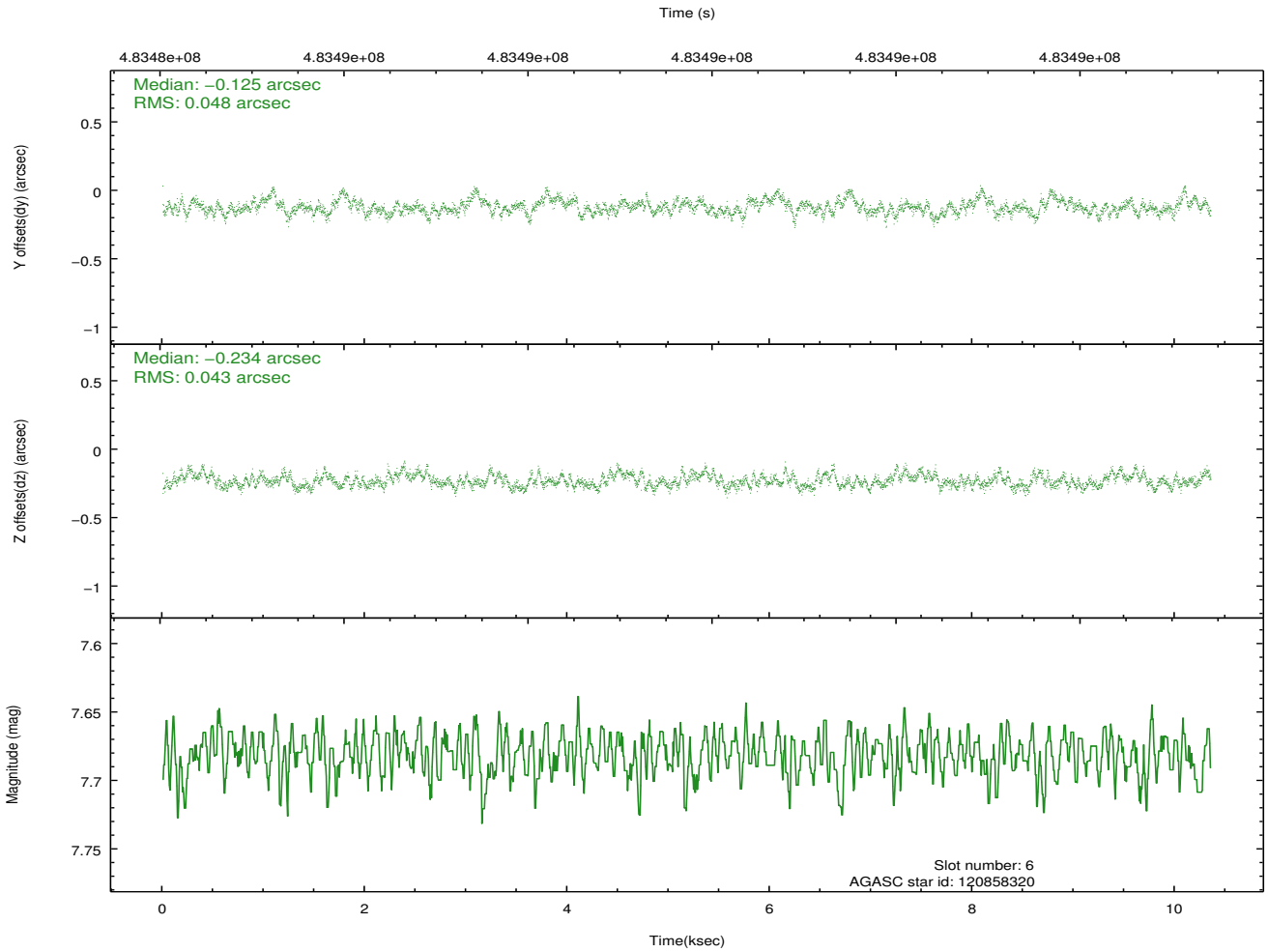
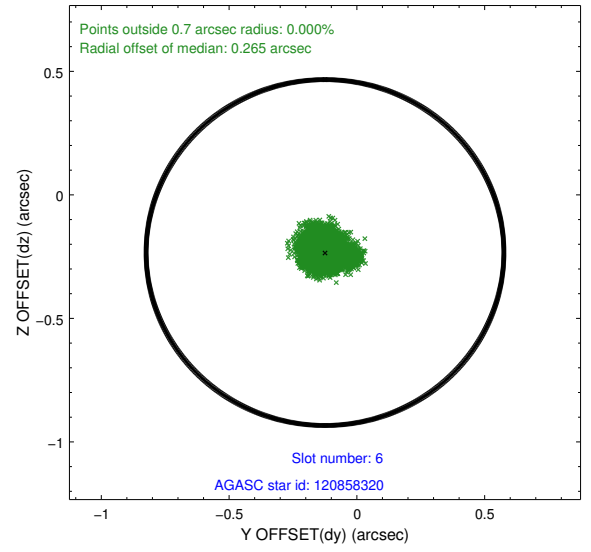
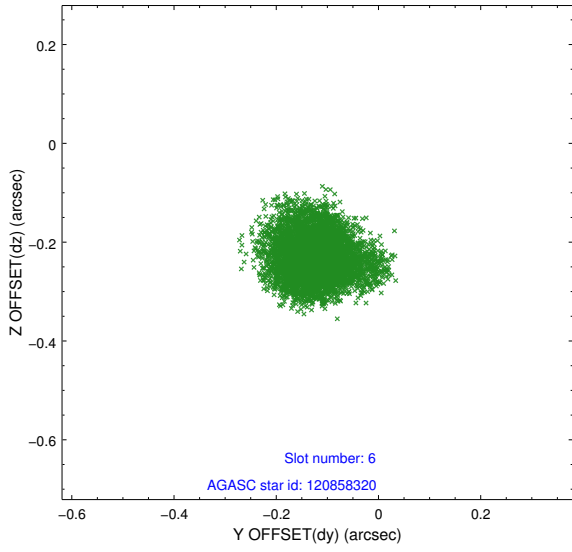
2.4.2 Slot 4



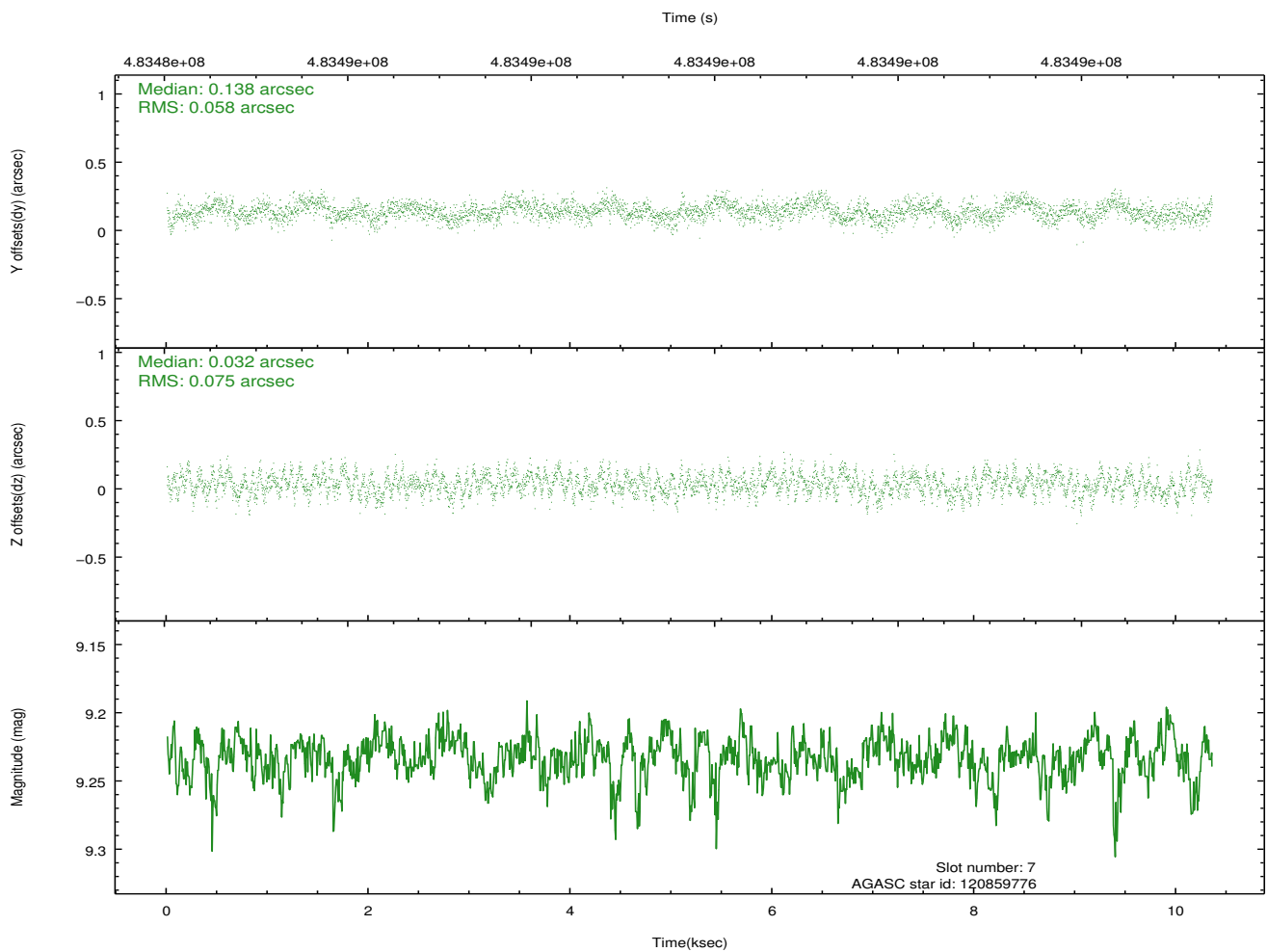
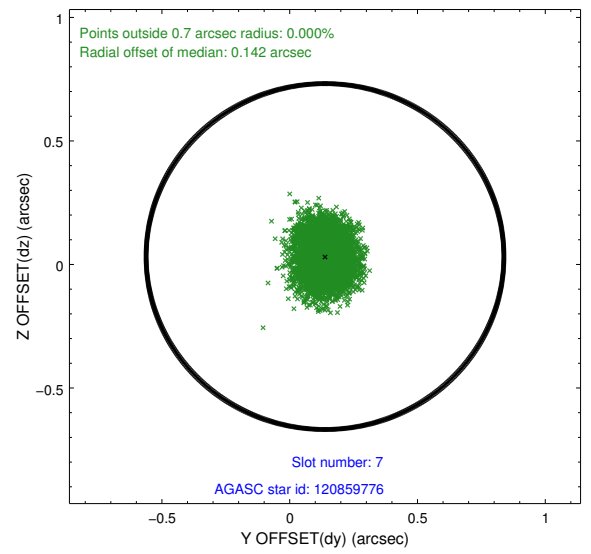
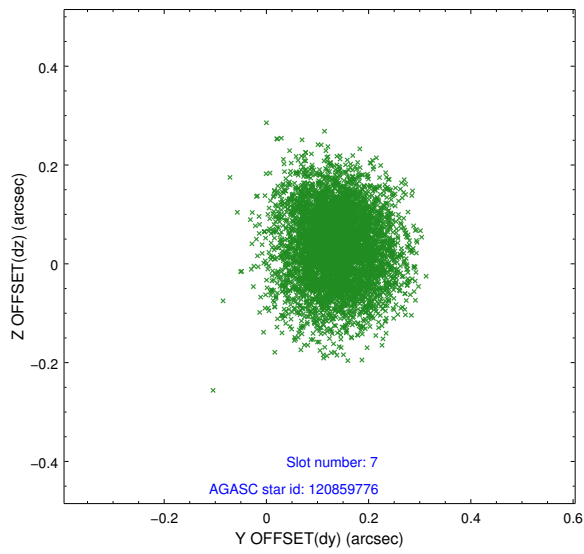
2.4.3 Slot 5



2.4.4 Slot 6

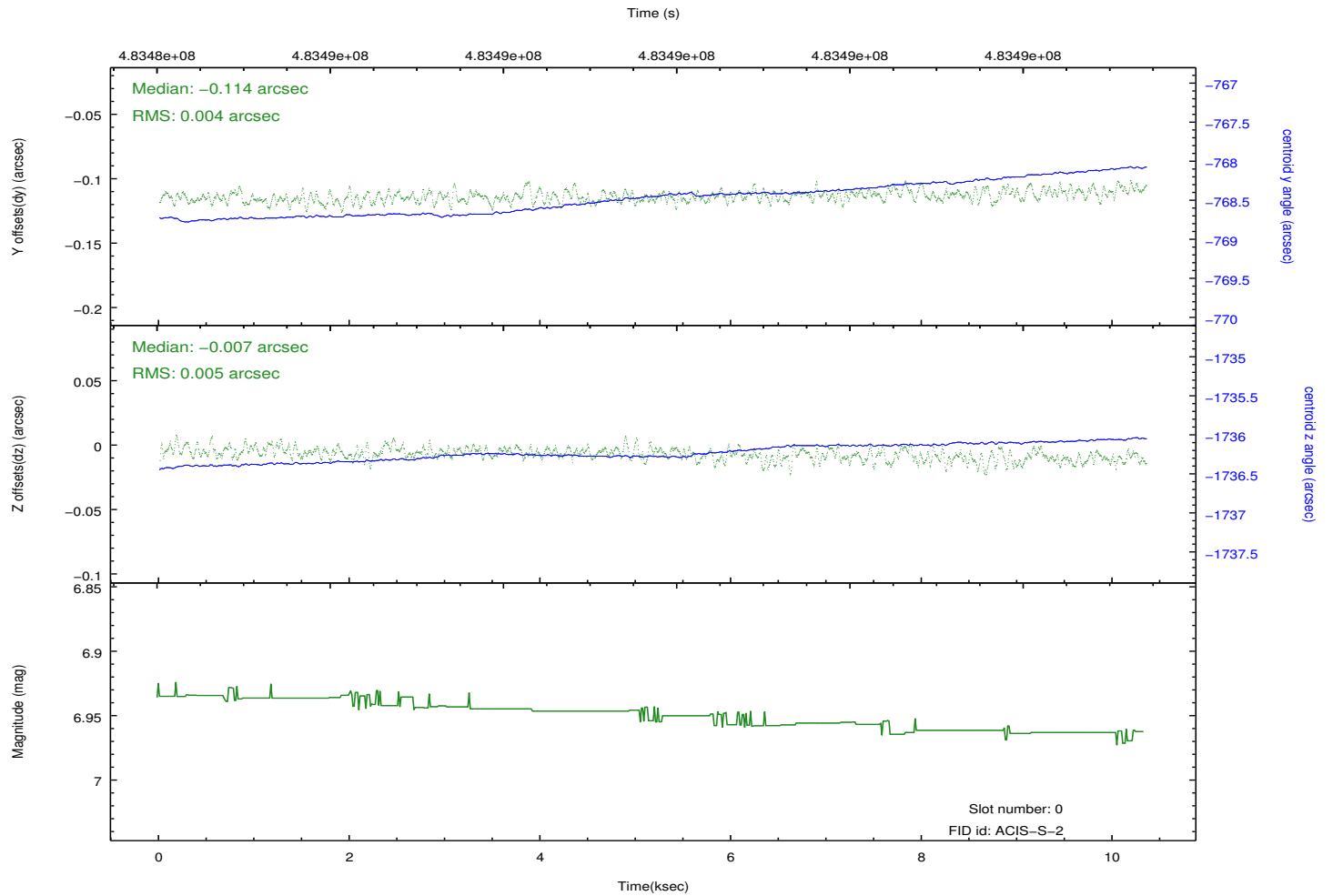
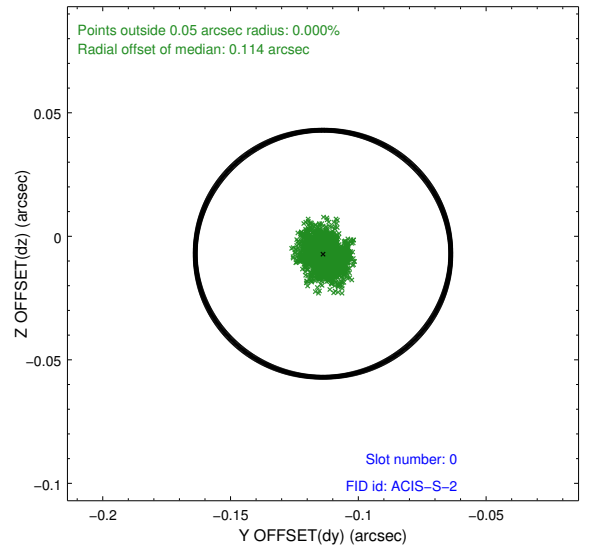
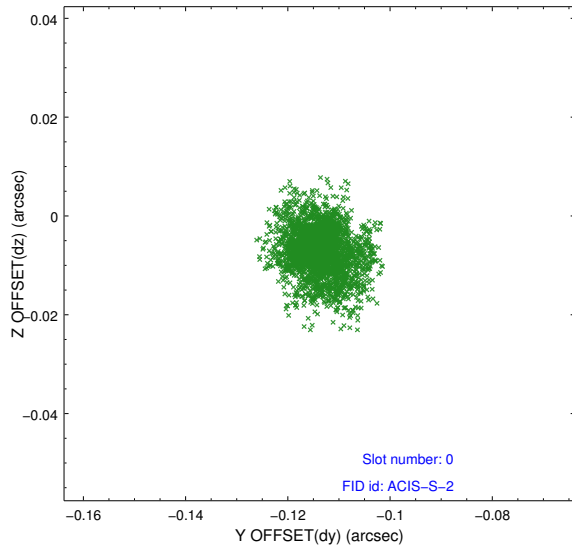


2.4.5 Slot 7

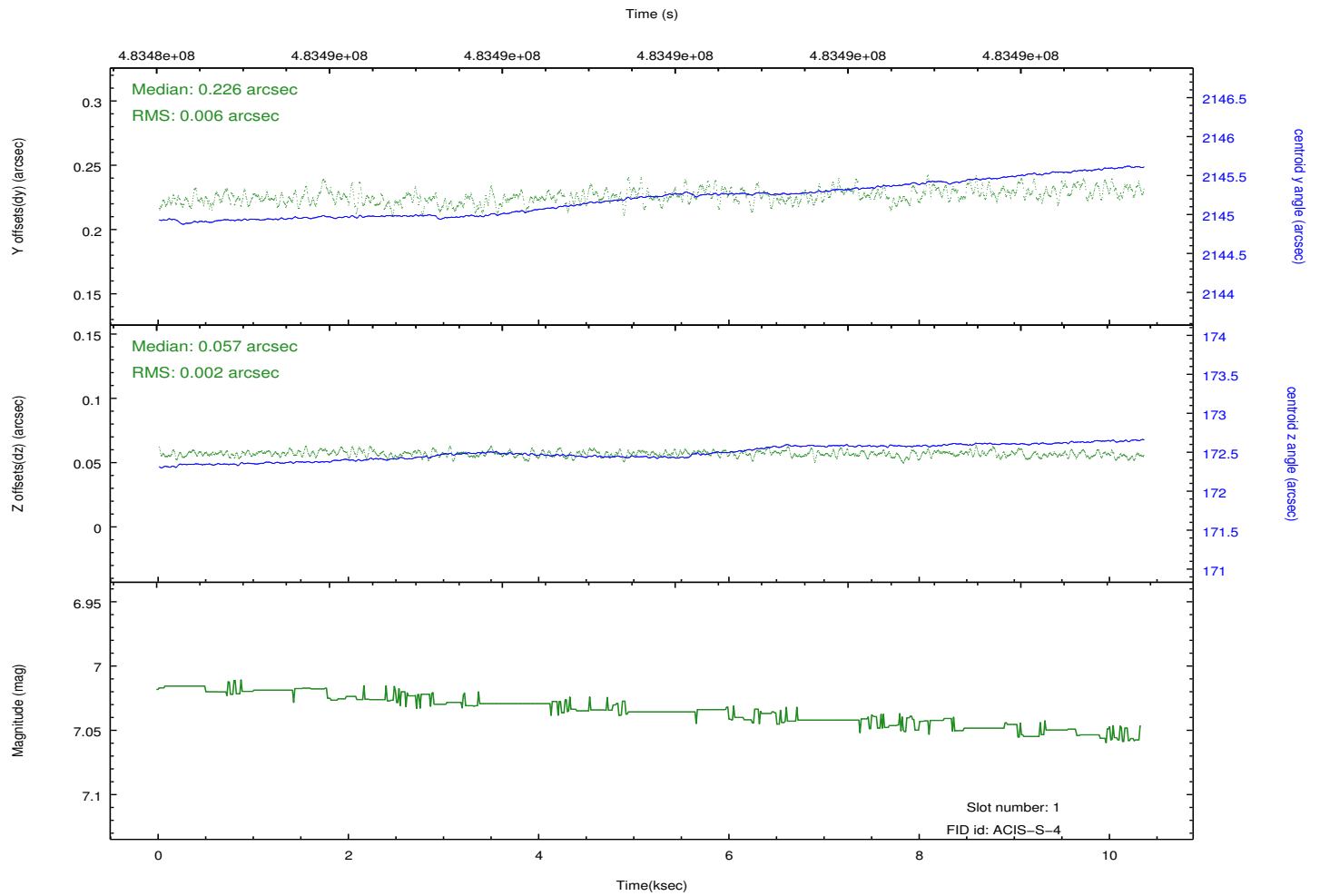
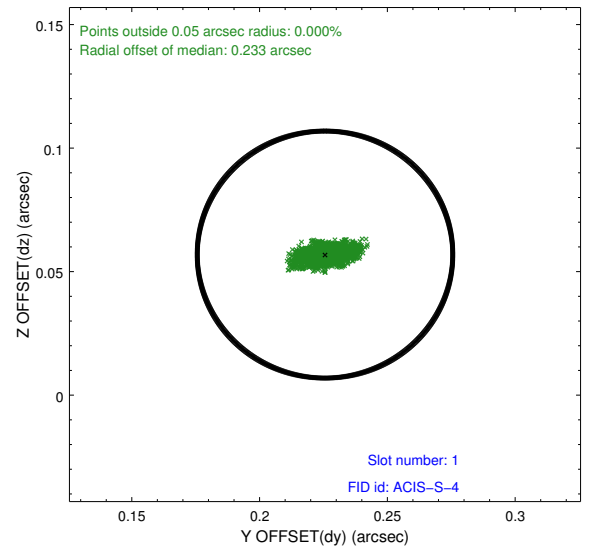
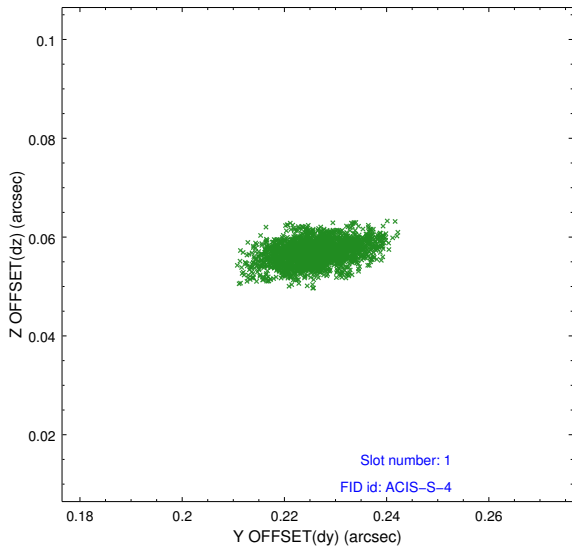


2.5 FID Slots

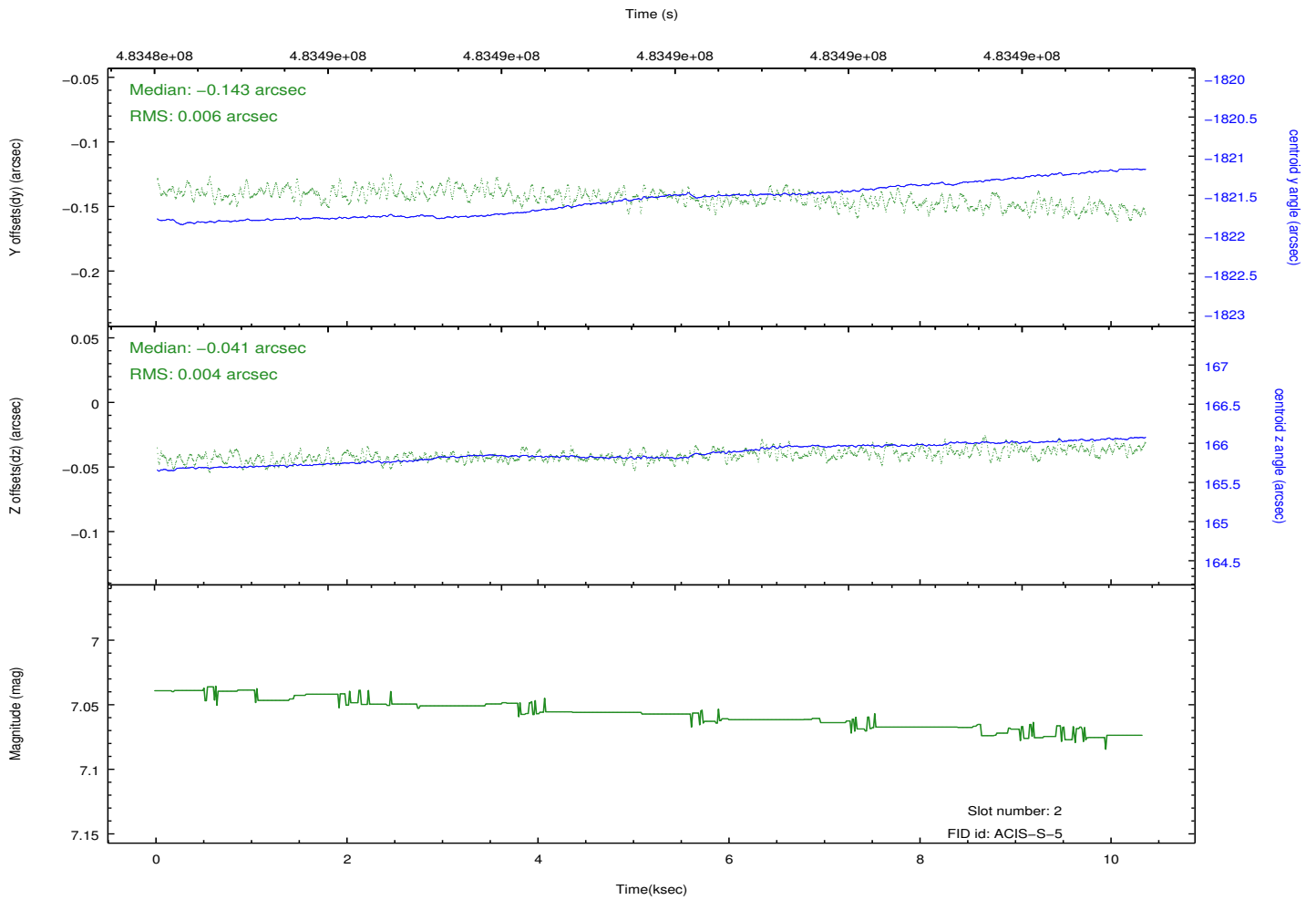
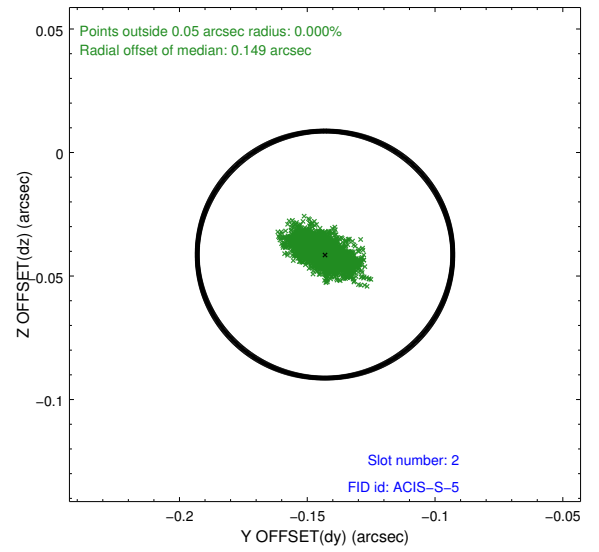
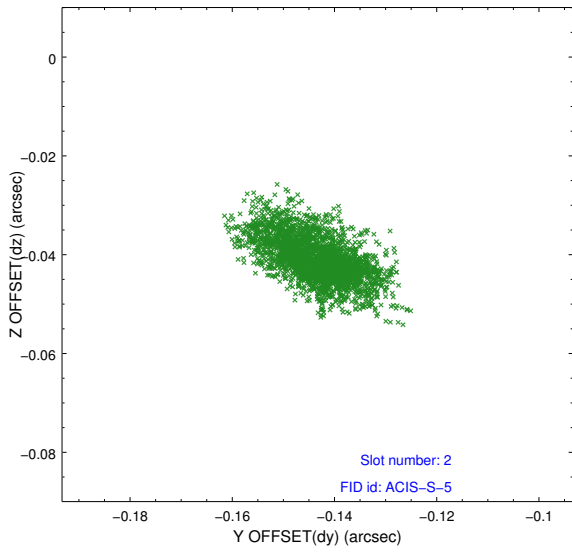
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2014.12.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.057

A.2 Comments

These data have been reprocessed with new aspect alignment calibration files that correct small mean offsets (up to 0.4 arcsecs) and improve overall astrometric accuracy. The new calibration was determined using data from the time period being reprocessed and was performed using cross-correlation of X-ray sources with radio and optical counterparts.