

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 15034 - L2 Version 2
Chandra X-Ray Center

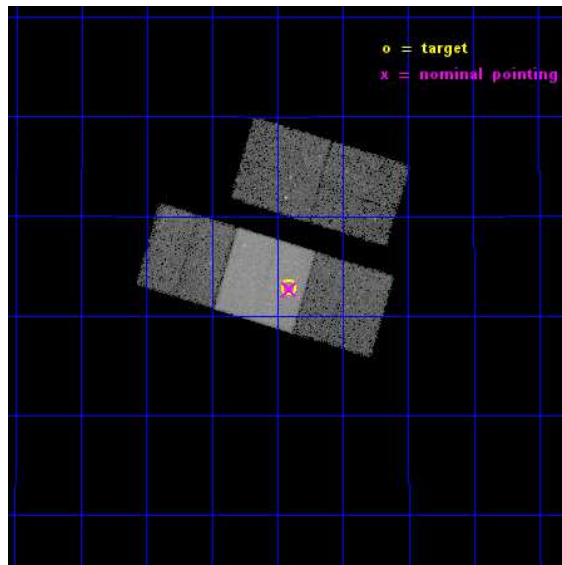
L2 Processing Date : Dec 3 2014

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

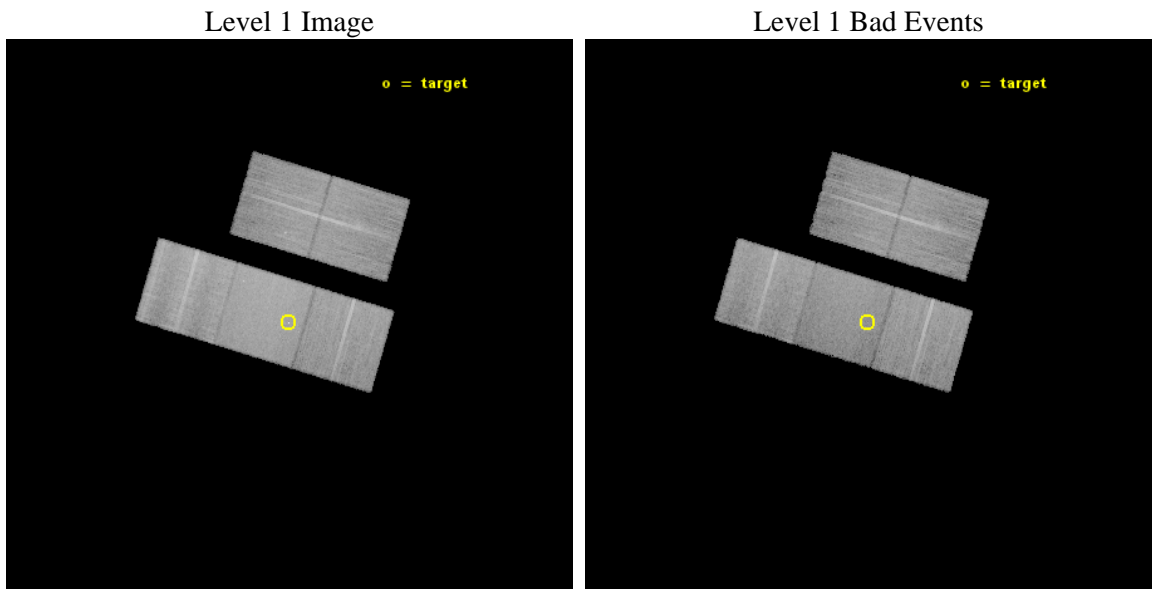
seq_num	702841	Sequence number
obs_id	15034	Observation id
title	Are Double-Peaked Optical Emission Lines Reliable Indicators of Dual AGNs?	Proposal title
observer	Dr. Claire Max	Principal investigator
object	SDSS J135024.66+240251.3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	207.602917	Observer's specified target RA [deg]
dec_targ	24.047611	Observer's specified target Dec [deg]
ra_nom	207.60200887738	Nominal RA [deg]
dec_nom	24.044699854189	Nominal Dec [deg]
roll_nom	196.61442416242	Nominal Roll [deg]
revision	2	Processing version of data
ontime	25068.475769222	Sum of GTIs [s]
livetime	24740.937678154	Livetime [s]
ontime2	25062.029568493	Sum of GTIs [s]
ontime3	25068.393689215	Sum of GTIs [s]
ontime6	25068.434729218	Sum of GTIs [s]
ontime7	25068.475769222	Sum of GTIs [s]
ontime8	25068.352649212	Sum of GTIs [s]
l2events	133810	Number of level 2 events



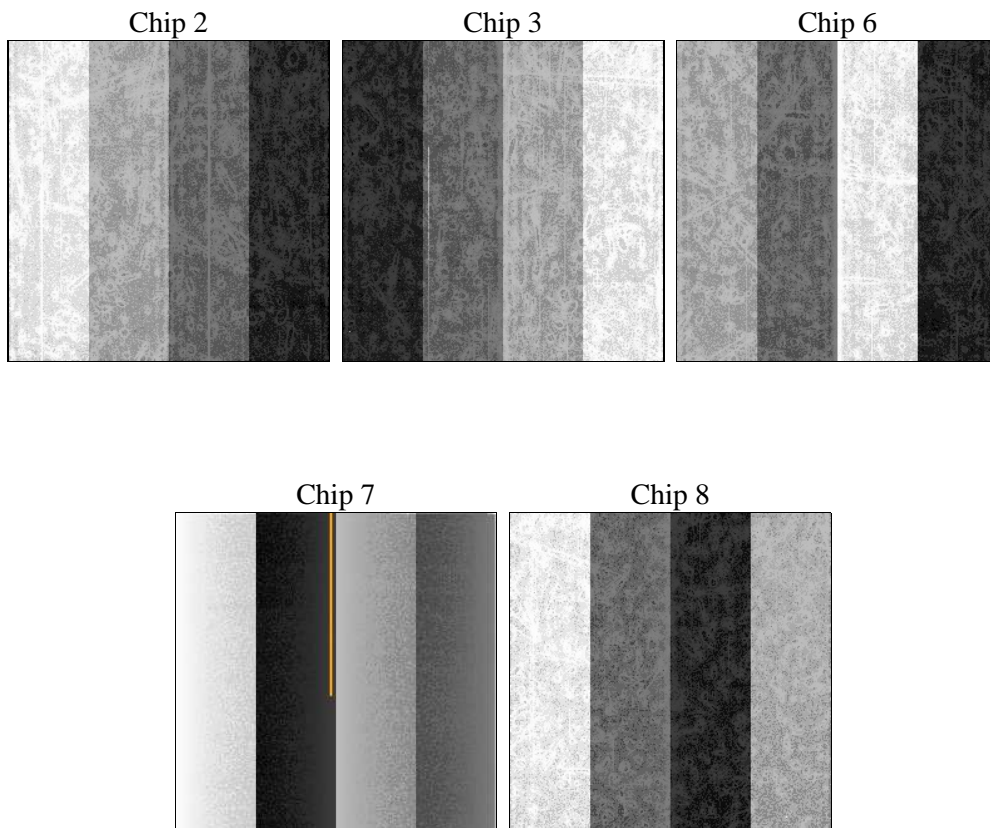
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	25000.000000	[s] Scheduled observation exposure time
ascdsver	10.3	Processing system revision	ontime	25068.475769222	Sum of GTIs [s]
caldbver	4.6.4	 	ontime2	25062.029568493	Sum of GTIs [s]
date	2014-12-03T06:10:05	Date and time of file creation	ontime3	25068.393689215	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	25068.434729218	Sum of GTIs [s]
			ontime7	25068.475769222	Sum of GTIs [s]
			ontime8	25068.352649212	Sum of GTIs [s]
			l1events	756389	Number of level 1 events

2.1.4 Events

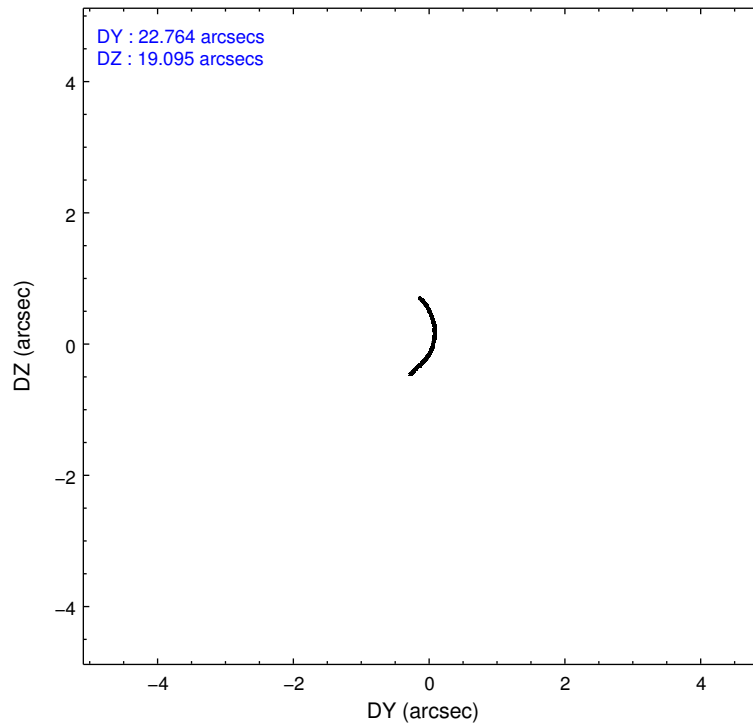
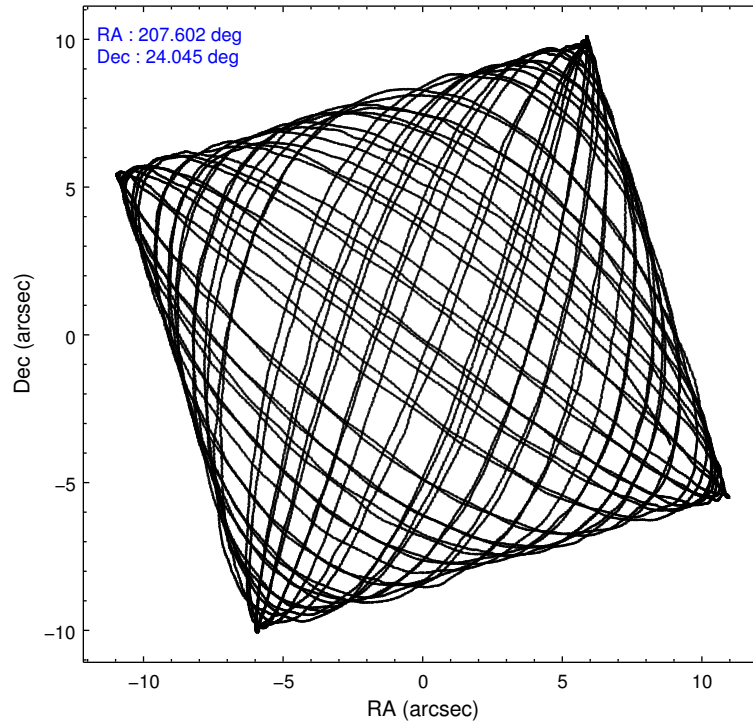
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	131878	128011	137699	181701	177100
rejected events	116903	113023	121412	101809	130862
rejected %	88%	88%	88%	56%	73%

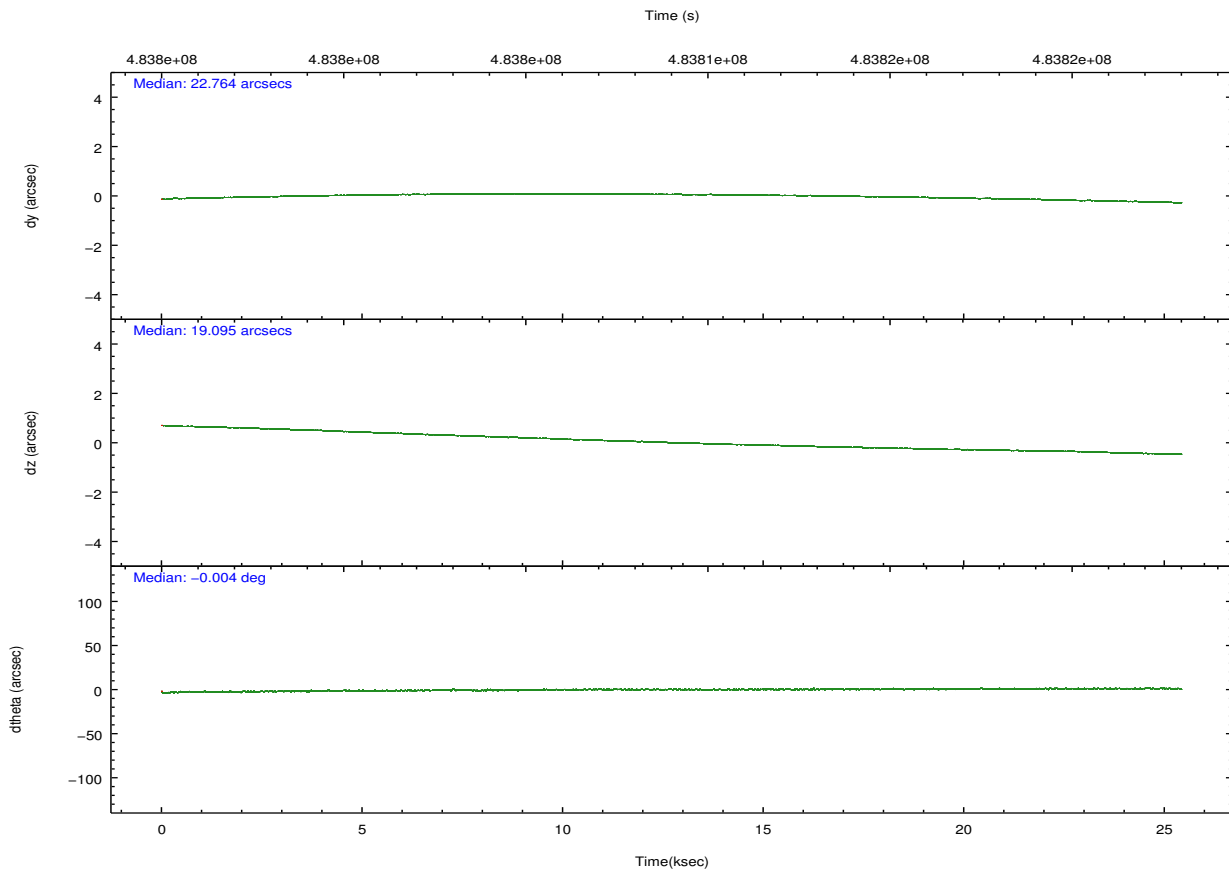
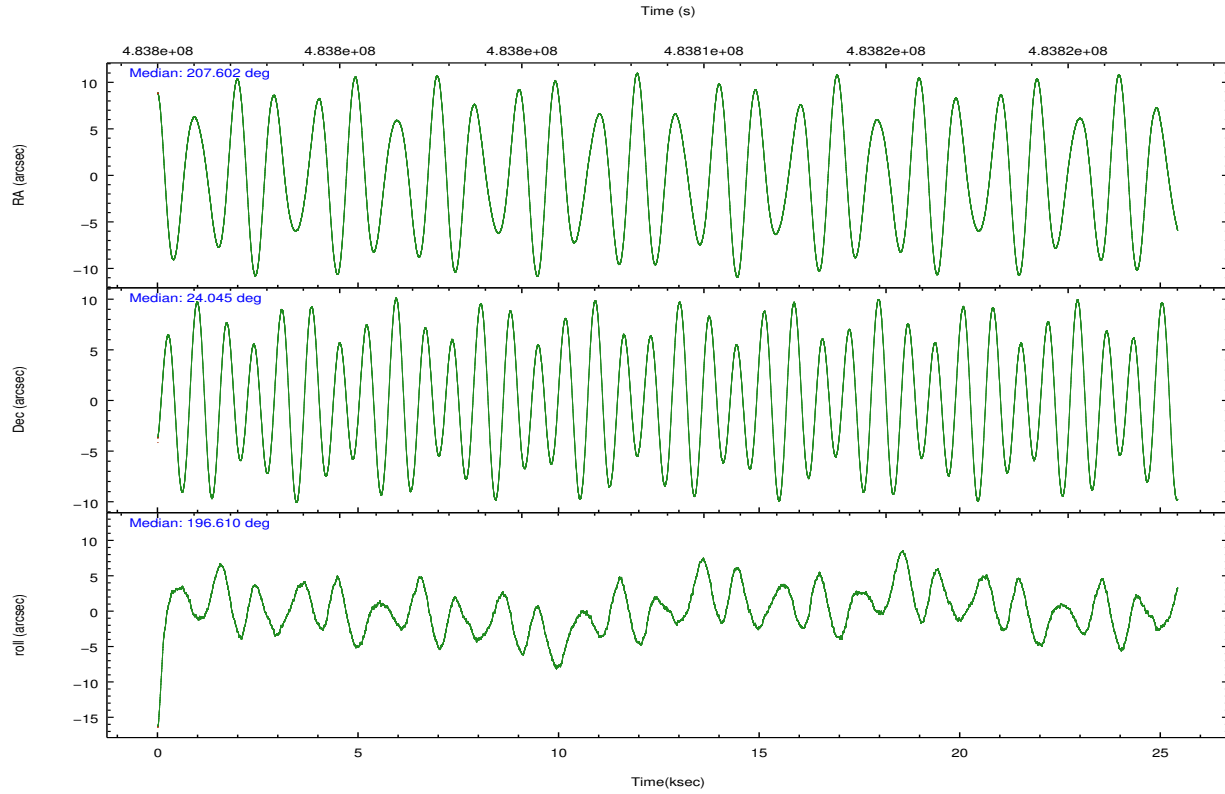
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	5217	5316	5440	7354	13353
	3%	4%	3%	4%	7%
grade 1 events	85	76	71	250	138
	0%	0%	0%	0%	0%
grade 2 events	3744	3288	3767	16387	11114
	2%	2%	2%	9%	6%
grade 3 events	1531	1536	1678	7028	4955
	1%	1%	1%	3%	2%
grade 4 events	1557	1619	1671	6803	4586
	1%	1%	1%	3%	2%
grade 5 events	5597	7009	7085	18583	10025
	4%	5%	5%	10%	5%
grade 6 events	2929	3233	3735	42335	12262
	2%	2%	2%	23%	6%
grade 7 events	111218	105934	114252	82961	120667
	84%	82%	82%	45%	68%

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	207.622282	207.6020088773805	CCD I2 on	O2	Y
[deg] Pointing Dec	24.064825	24.04469985418877	CCD I3 on	O3	Y
[deg] Pointing Roll	196.449538	196.6144241624215	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	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	O1	Y
[s] Observation start time (MET)	483796721.184000	483795666.07894	CCD S5 on	N	N
Observation start date	2013-05-01T11:57:34	2013-05-01T11:41:06	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	483821721.184000	483822928.00541	On-chip summing requested	N	N
Observation end date	2013-05-01T18:54:14	2013-05-01T19:15:28	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect





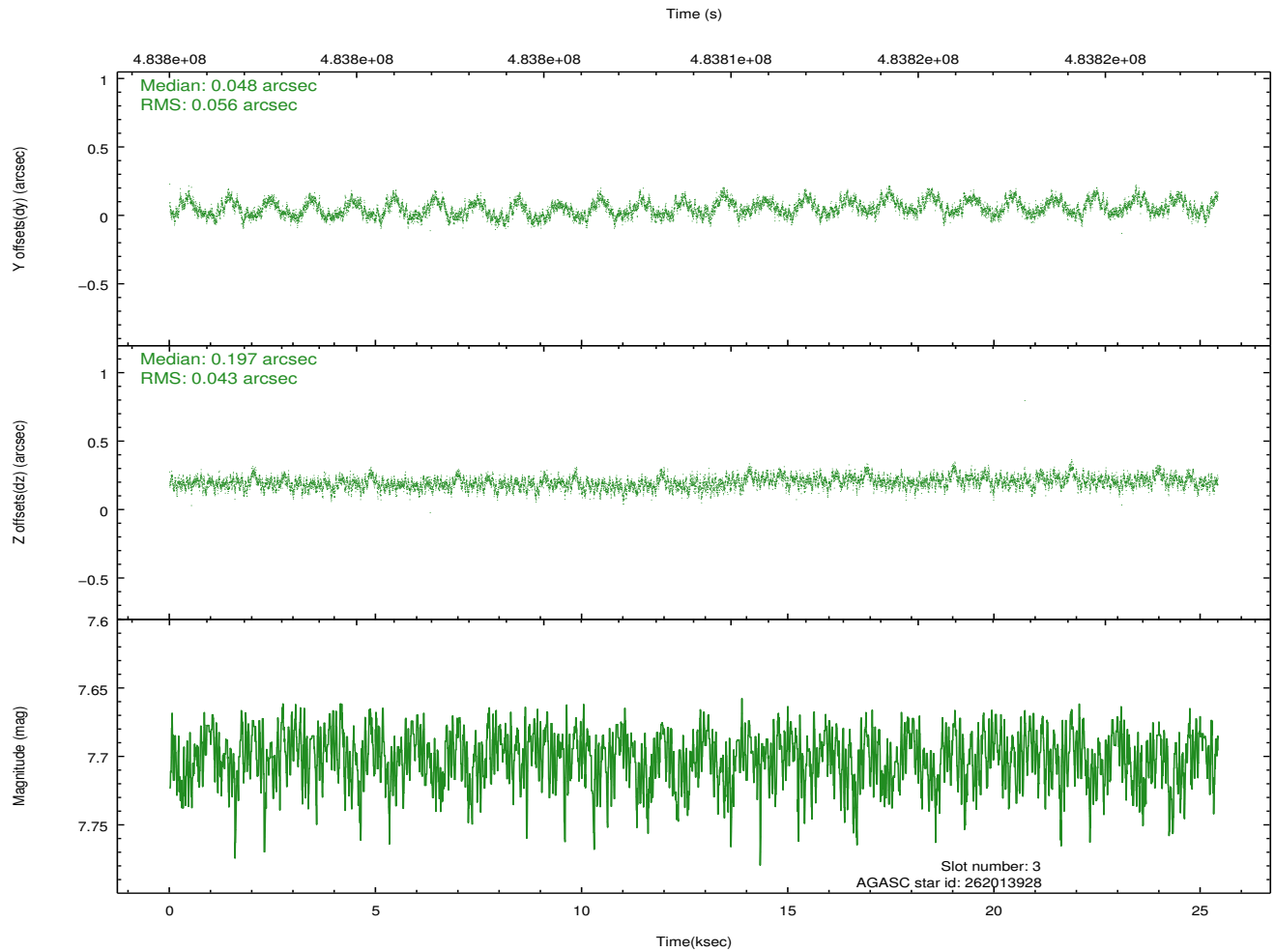
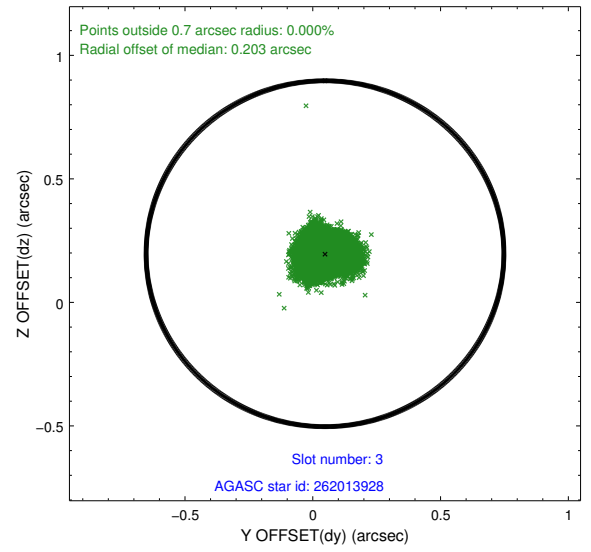
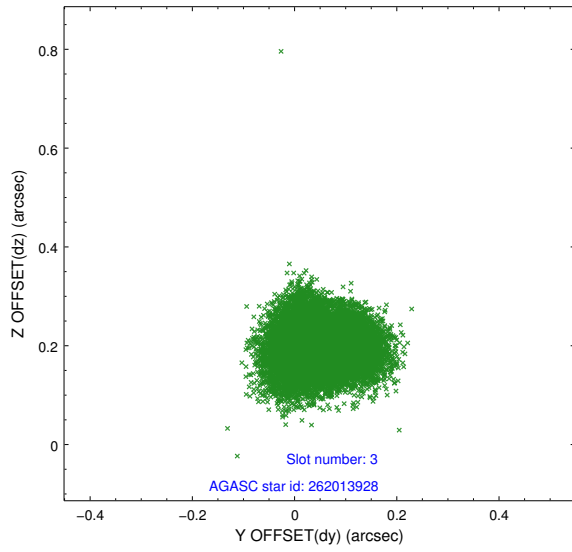
Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	6.97	6200	-0.118	-0.052	0.011	0.022	0.000000	0.000000	-776.04	-1740.64
1	FID		ACIS-S-4	7.05	6199	0.291	0.071	0.008	0.015	0.000000	0.000000	2137.60	167.84
2	FID		ACIS-S-5	7.08	6201	-0.203	-0.010	0.011	0.018	0.000000	0.000000	-1828.82	161.56
3	GUIDE	used	262013928	7.70	12398	0.048	0.197	0.077	0.118	207.955749	24.688147	-1681.40	-1844.11
4	GUIDE	used	262014896	7.75	12402	-0.171	-0.242	0.077	0.119	207.102625	23.449261	2272.41	1636.39
5	GUIDE	used	262015640	7.38	12401	0.096	0.154	0.064	0.103	207.817999	24.695618	-1256.14	-1996.10
6	GUIDE	used	262017904	8.40	12398	-0.089	-0.164	0.089	0.144	208.143080	23.563261	-1138.00	2215.10
7	GUIDE	used	262019848	8.91	12359	0.122	0.052	0.104	0.190	207.166723	24.056254	1444.91	-396.74

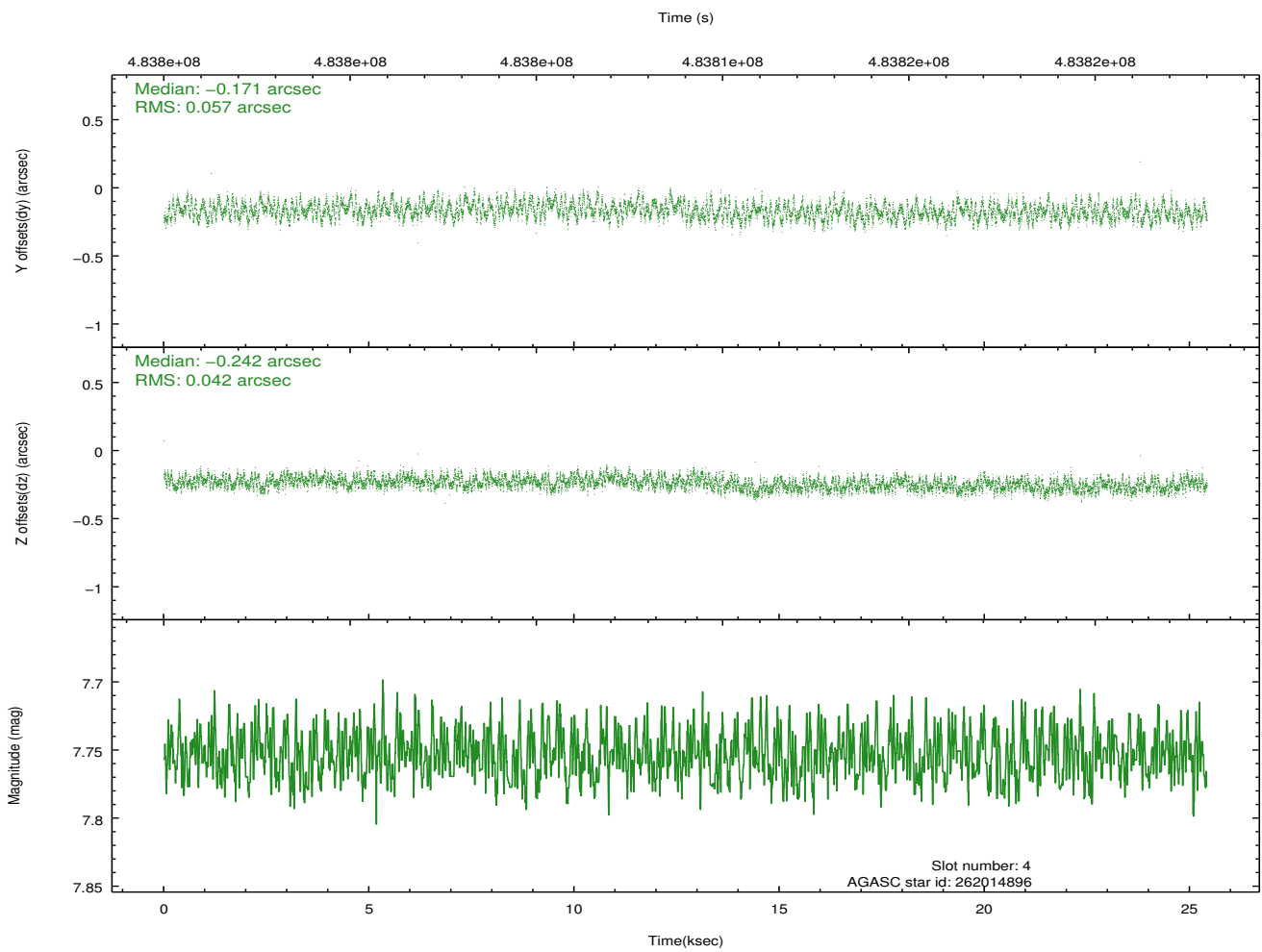
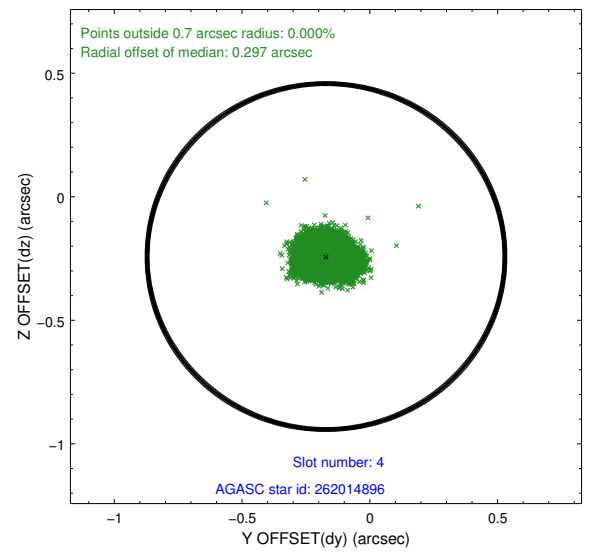
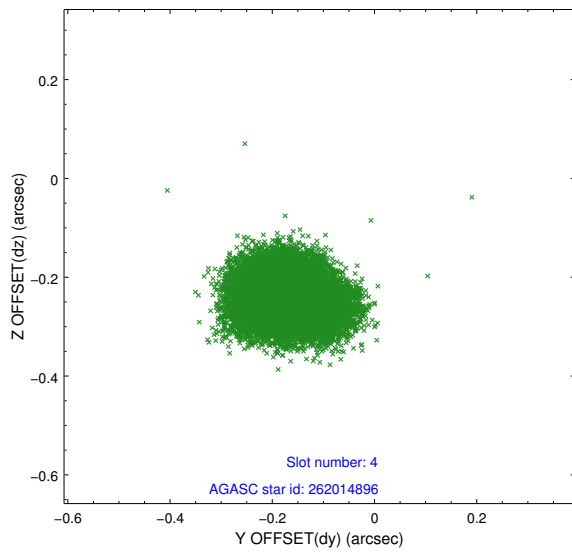
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2.4 Star Slots

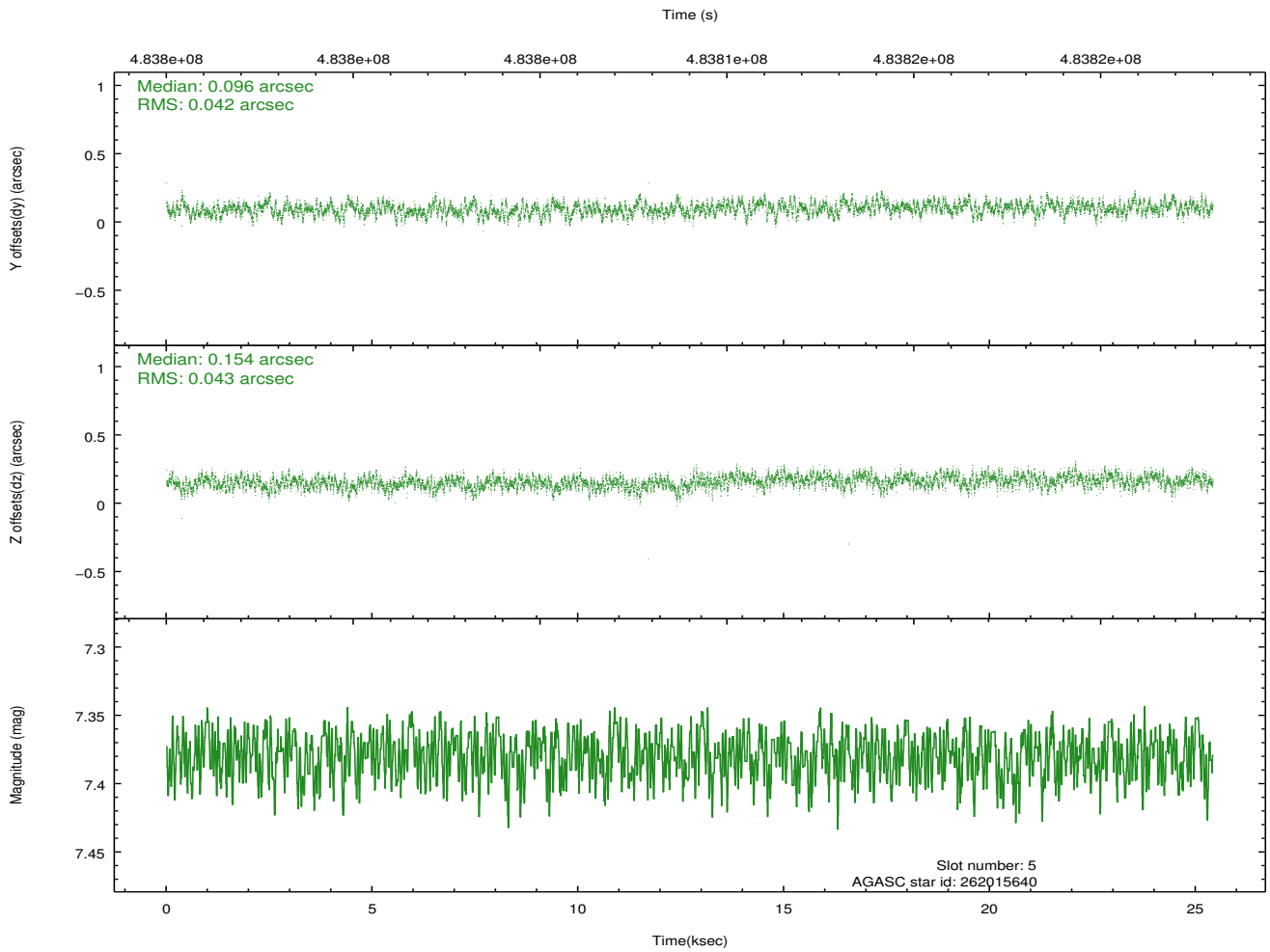
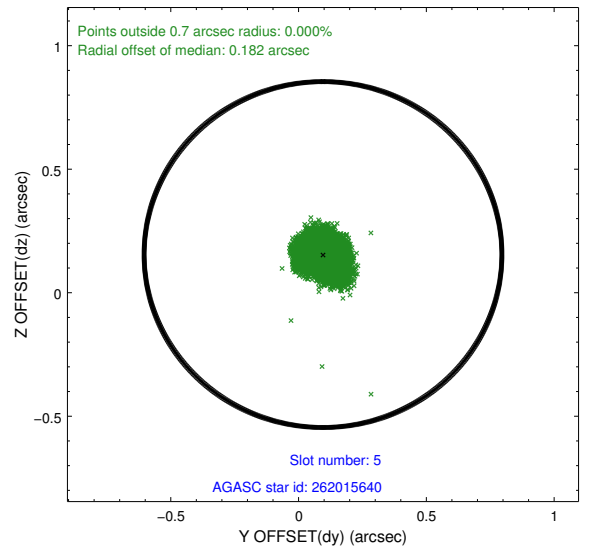
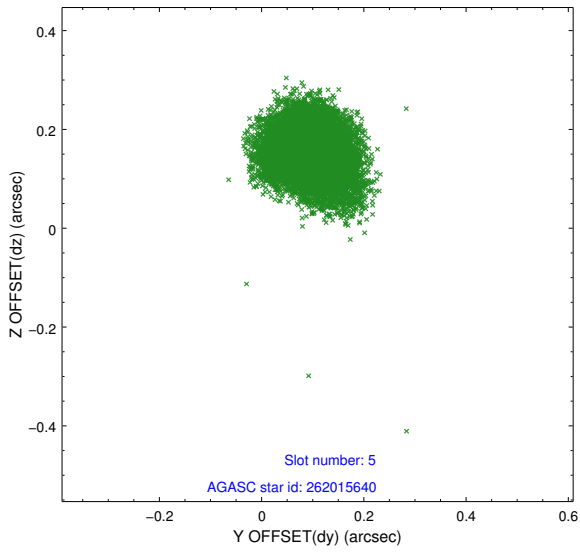
2.4.1 Slot 3



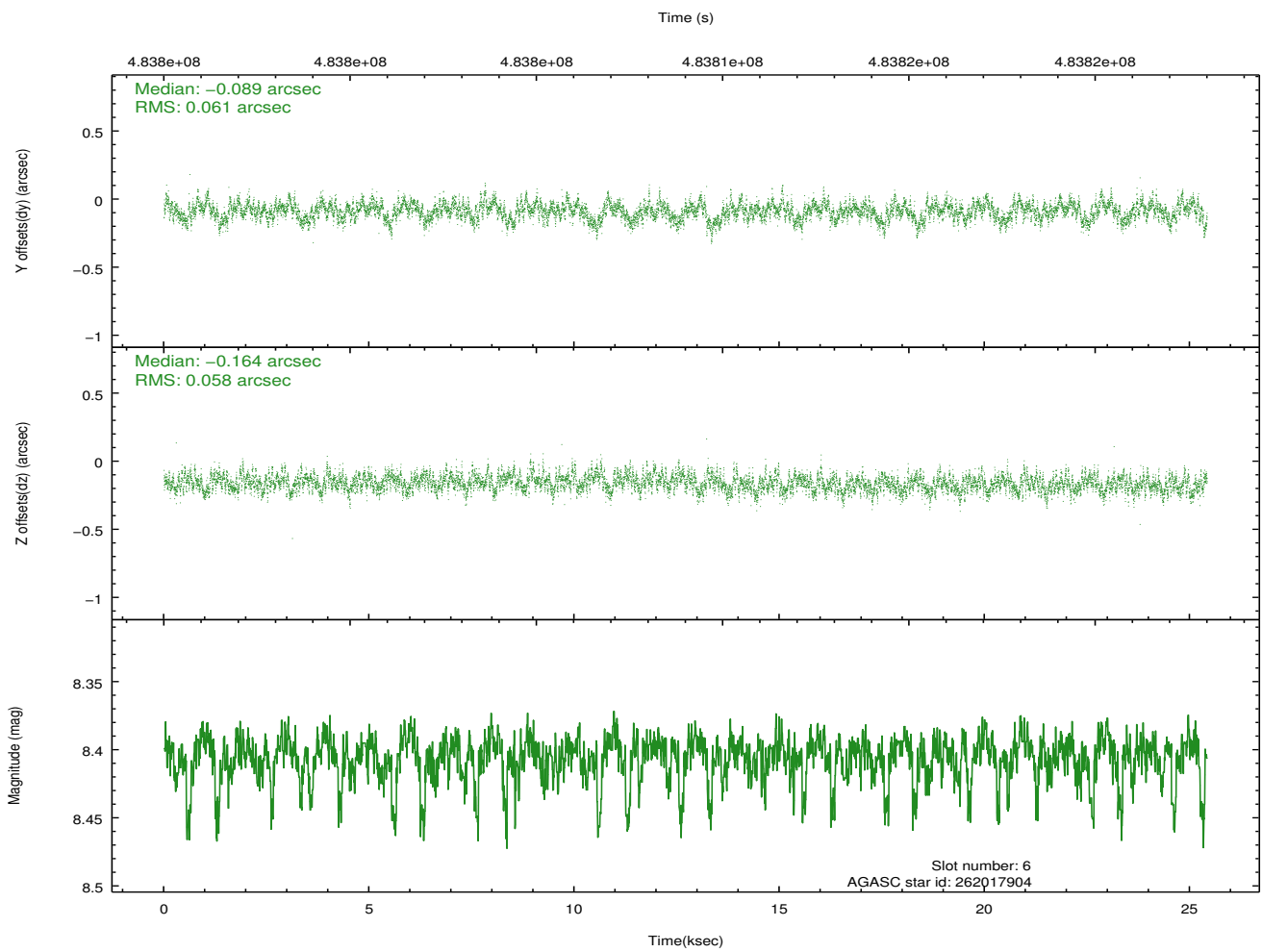
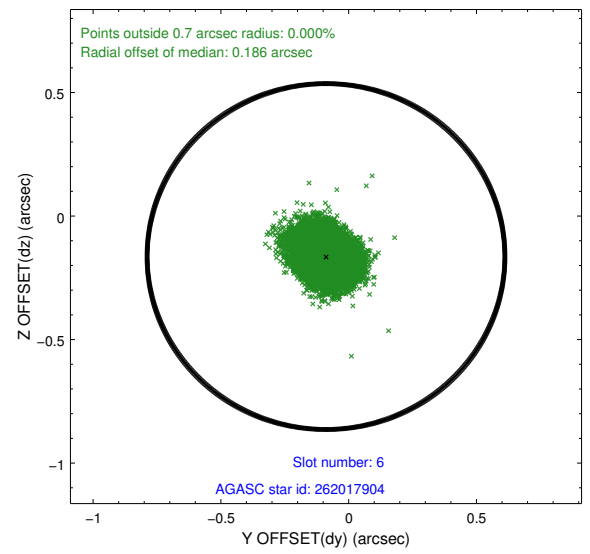
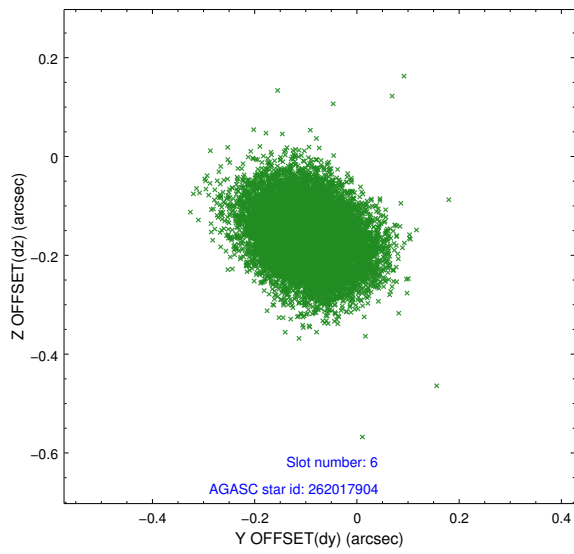
2.4.2 Slot 4



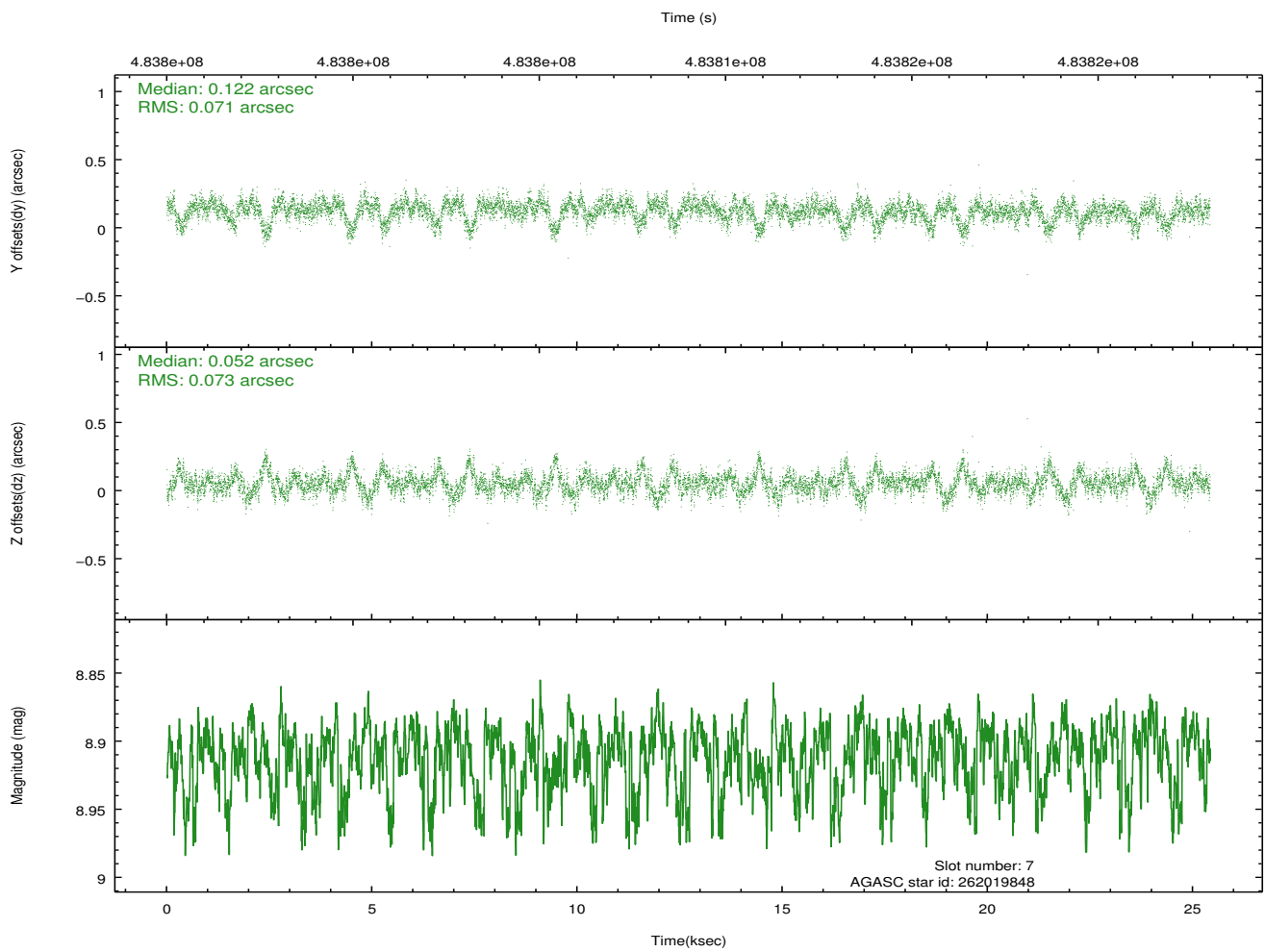
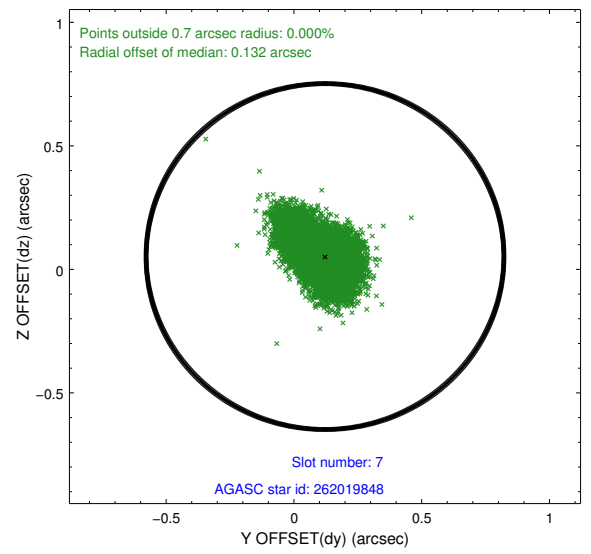
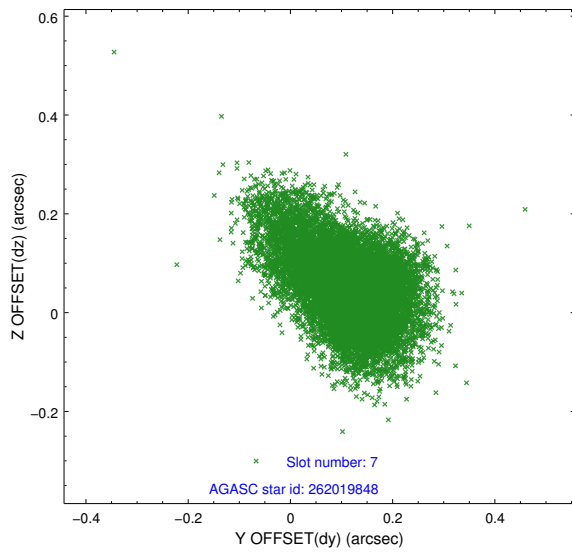
2.4.3 Slot 5



2.4.4 Slot 6

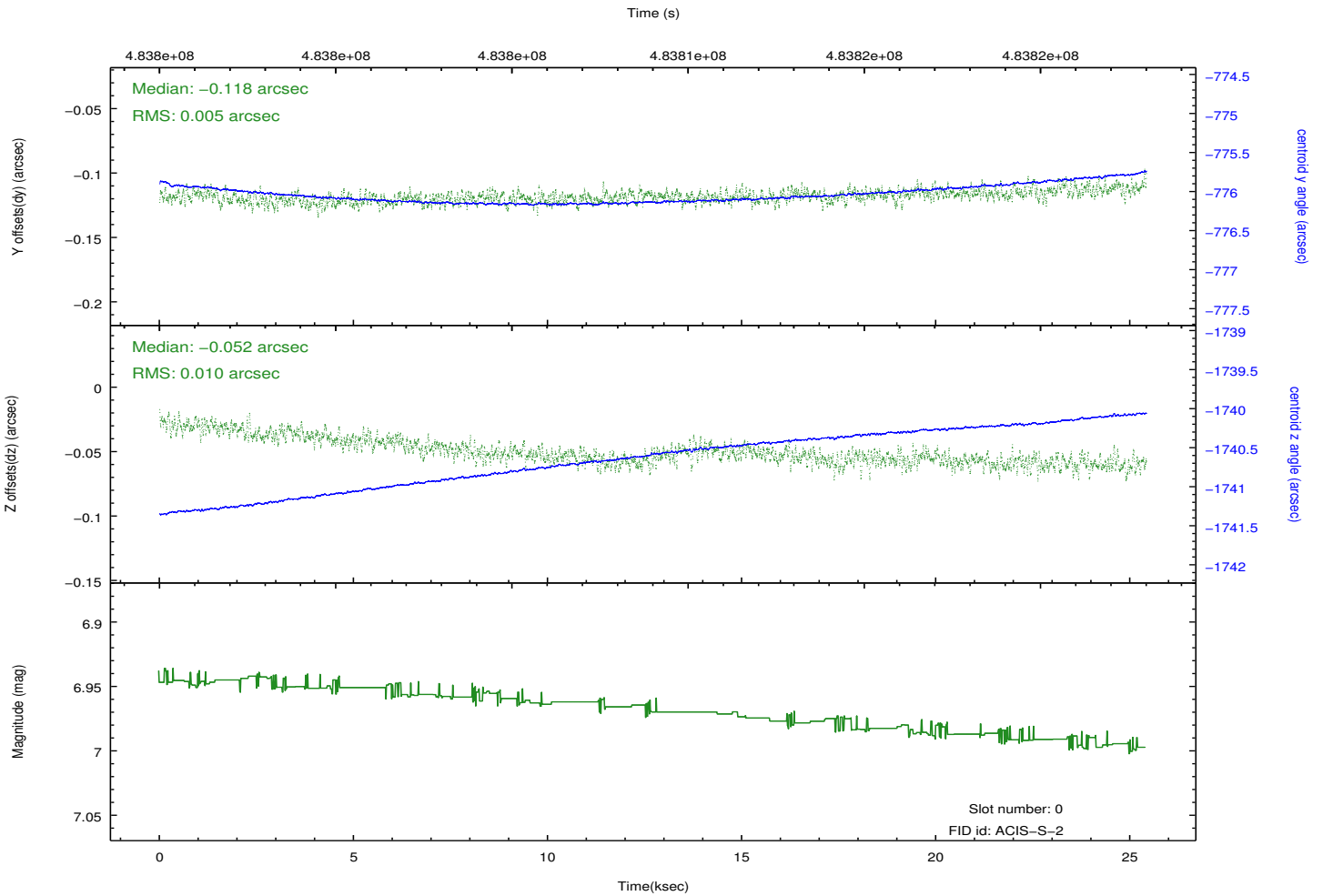
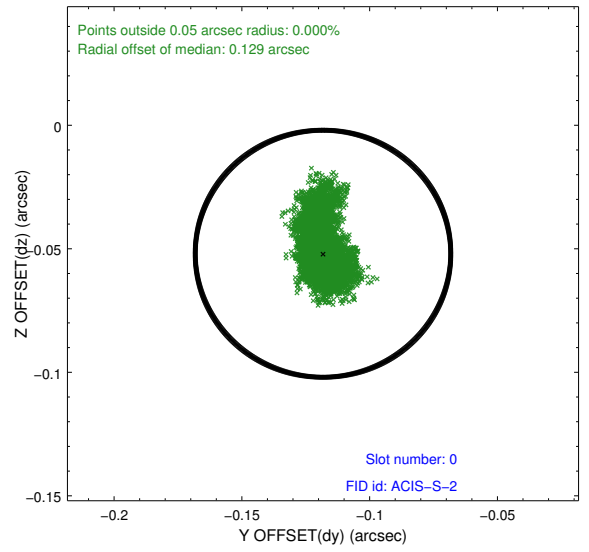
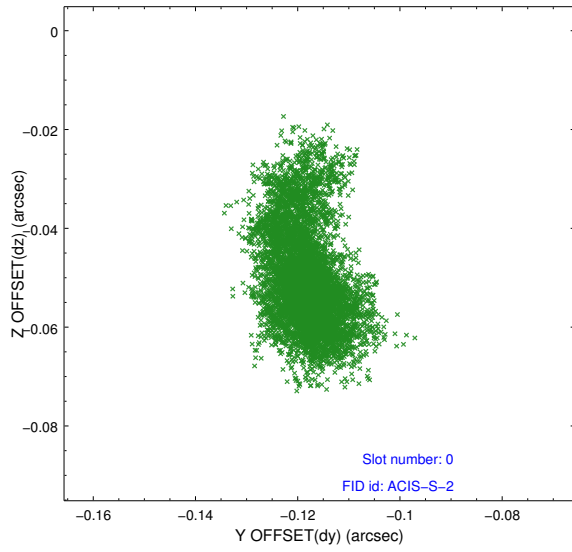


2.4.5 Slot 7

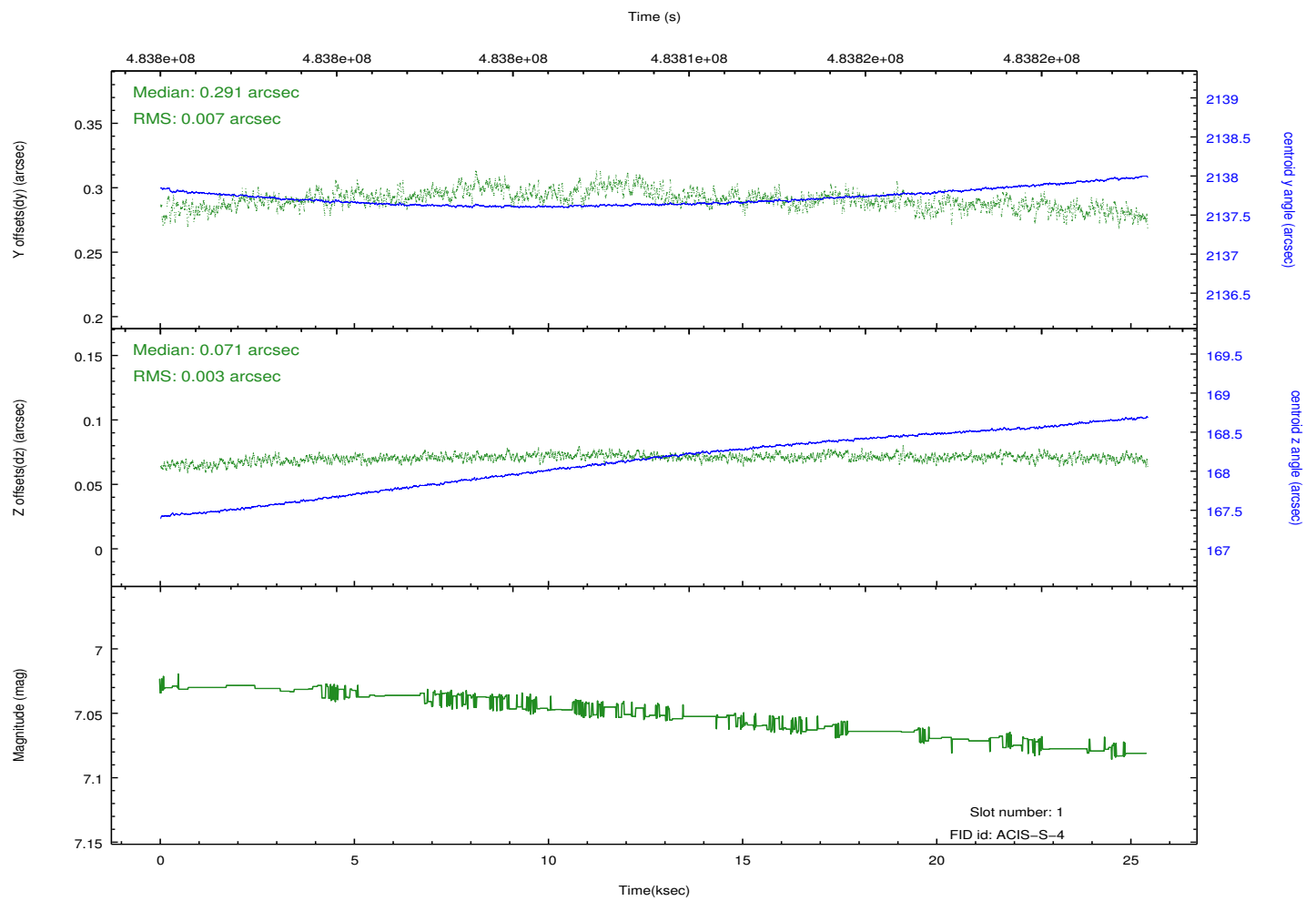
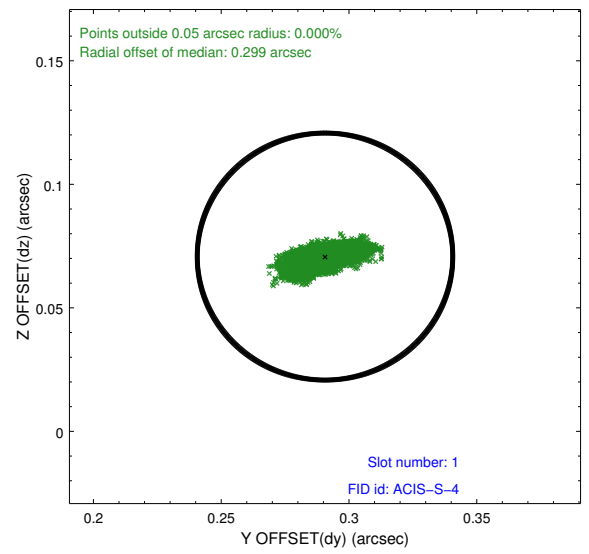
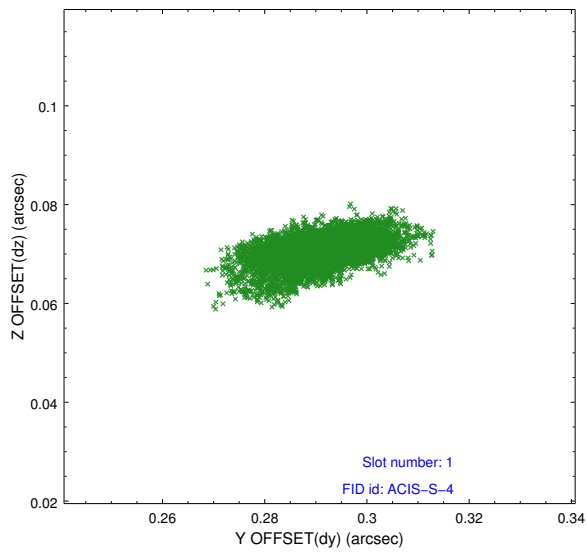


2.5 FID Slots

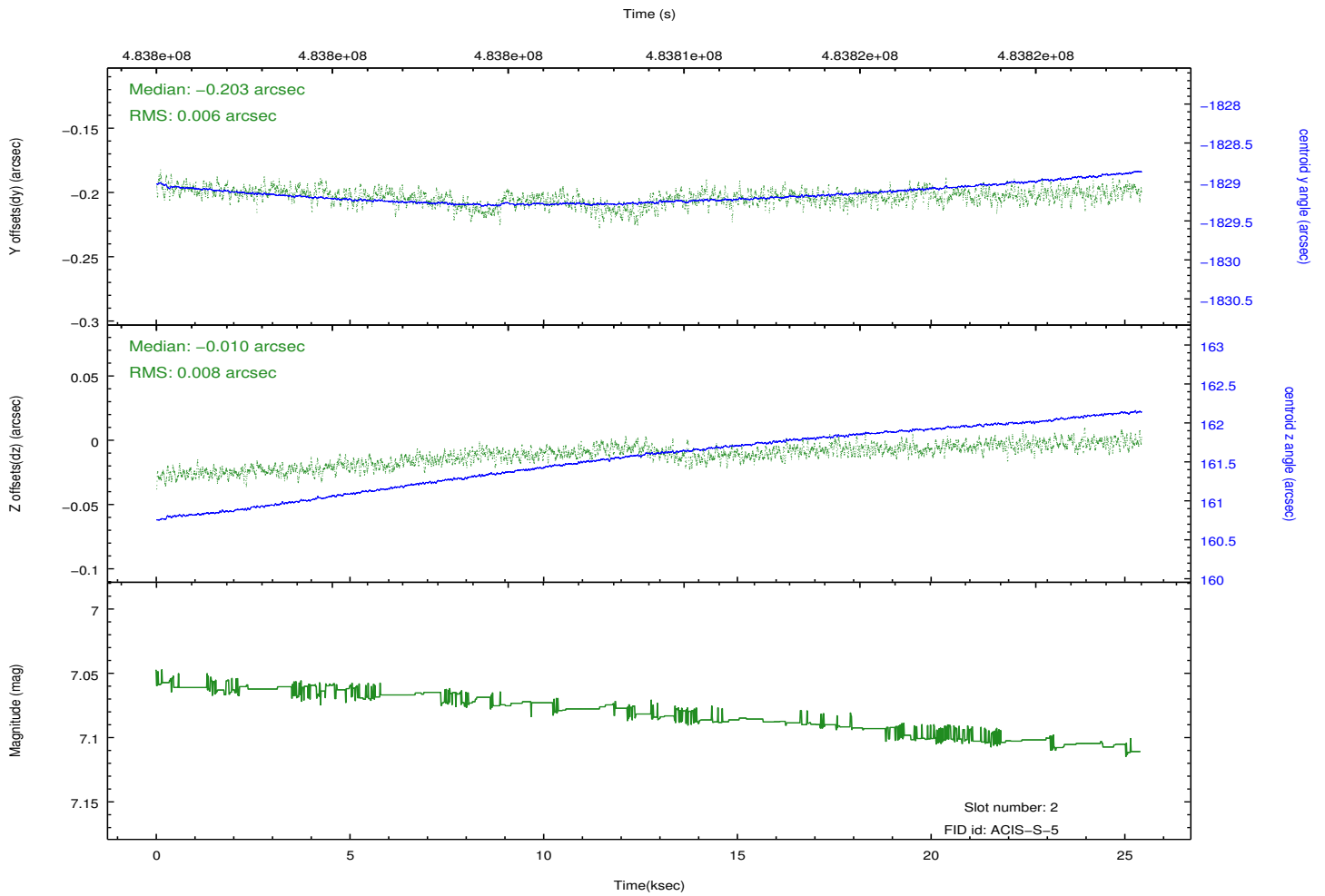
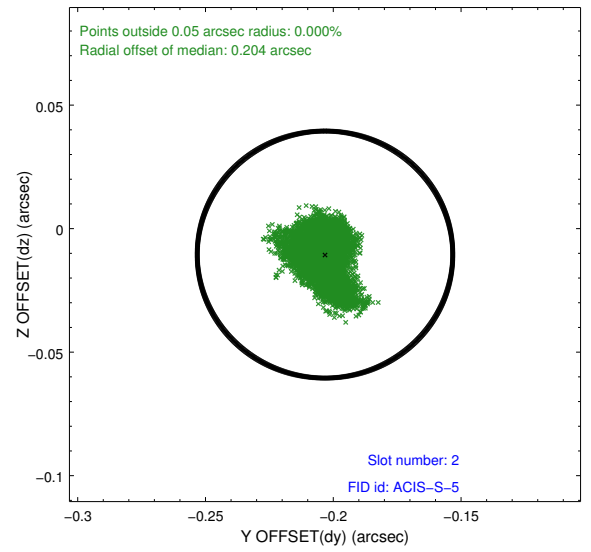
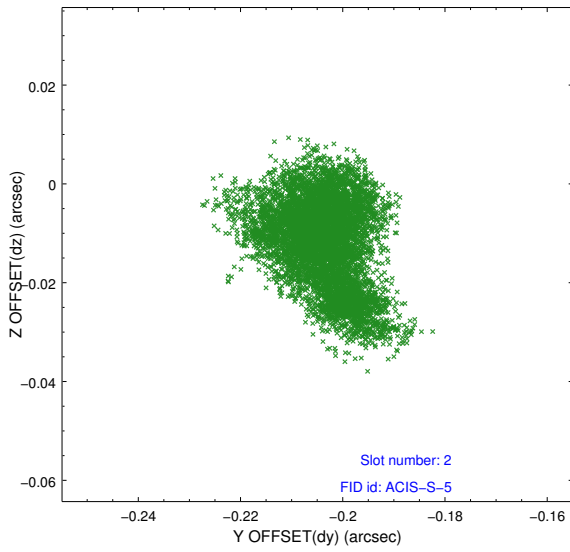
2.5.1 Slot 0



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	25.068475769222

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.