

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 17608 - L2 Version 1
Chandra X-Ray Center

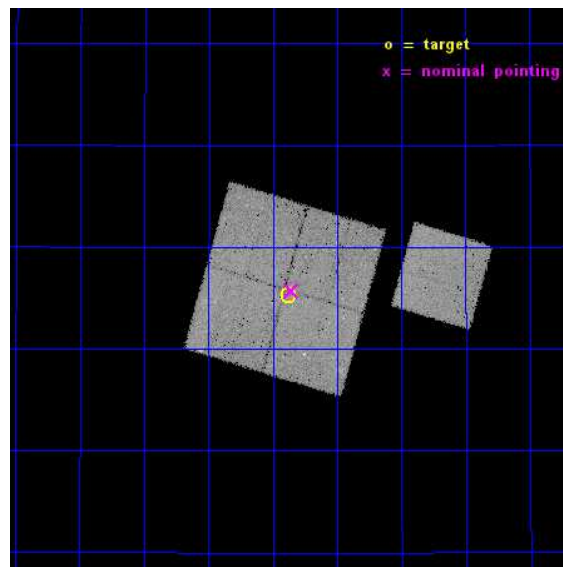
L2 Processing Date : Mar 8 2015

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1 Front

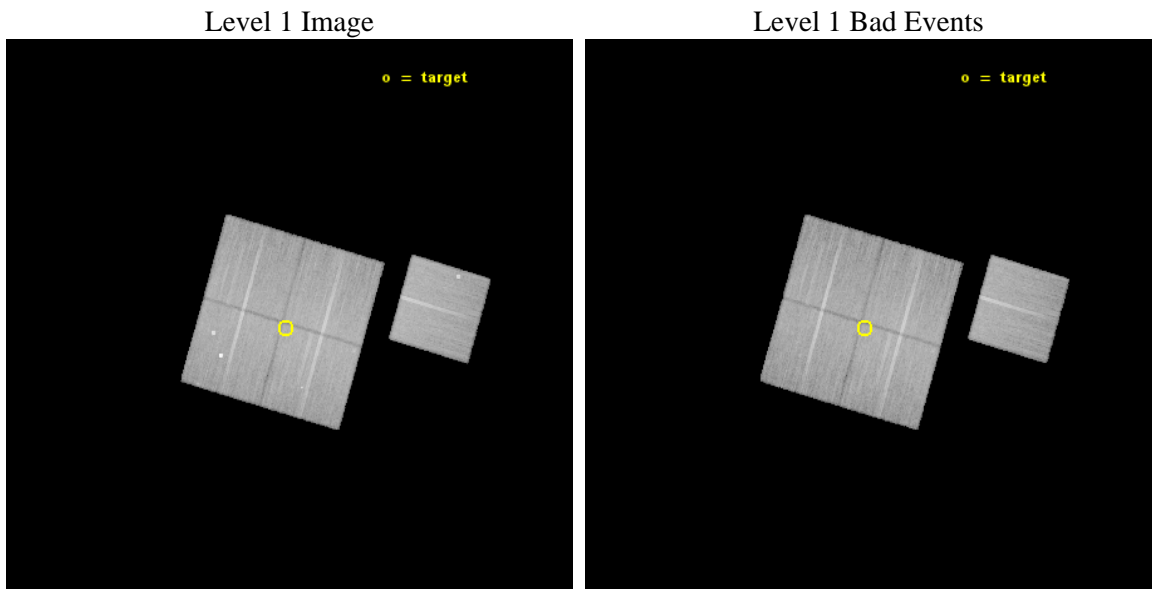
seq_num	801537	Sequence number
obs_id	17608	Observation id
title	Survey of the virialization region of A1795	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	A1795-A	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	206.720417	Observer's specified target RA [deg]
dec_targ	26.253917	Observer's specified target Dec [deg]
ra_nom	206.71395474113	Nominal RA [deg]
dec_nom	26.262115434878	Nominal Dec [deg]
roll_nom	106.2115471416	Nominal Roll [deg]
revision	1	Processing version of data
ontime	47078.412307739	Sum of GTIs [s]
livetime	46463.298192316	Livetime [s]
ontime0	47078.289187789	Sum of GTIs [s]
ontime1	47078.330227733	Sum of GTIs [s]
ontime2	47075.230207562	Sum of GTIs [s]
ontime3	47078.412307739	Sum of GTIs [s]
ontime6	47078.248147726	Sum of GTIs [s]
l2events	115541	Number of level 2 events



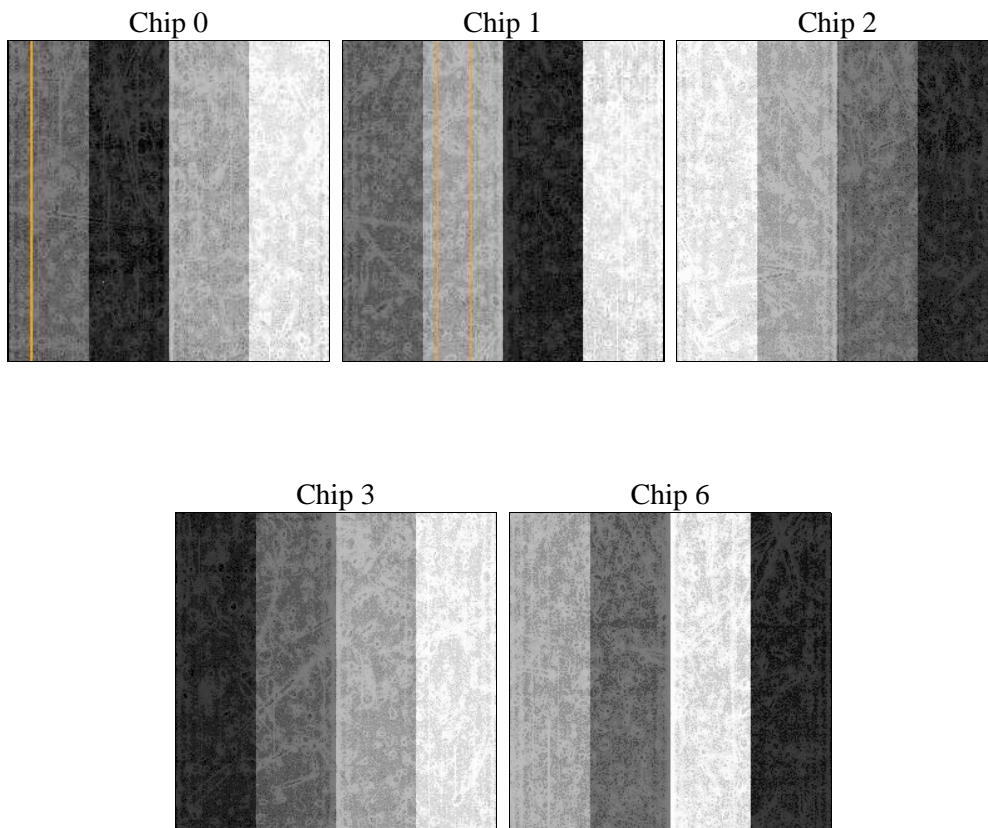
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	47000.000000	[s] Scheduled observation exposure time
ascdsver	10.3.3	Processing system revision	ontime	47078.412307739	Sum of GTIs [s]
caldbver	4.6.7	 	ontime0	47078.289187789	Sum of GTIs [s]
date	2015-03-08T06:03:08	Date and time of file creation	ontime1	47078.330227733	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	47075.230207562	Sum of GTIs [s]
			ontime3	47078.412307739	Sum of GTIs [s]
			ontime6	47078.248147726	Sum of GTIs [s]
			l1events	1129753	Number of level 1 events

2.1.4 Events

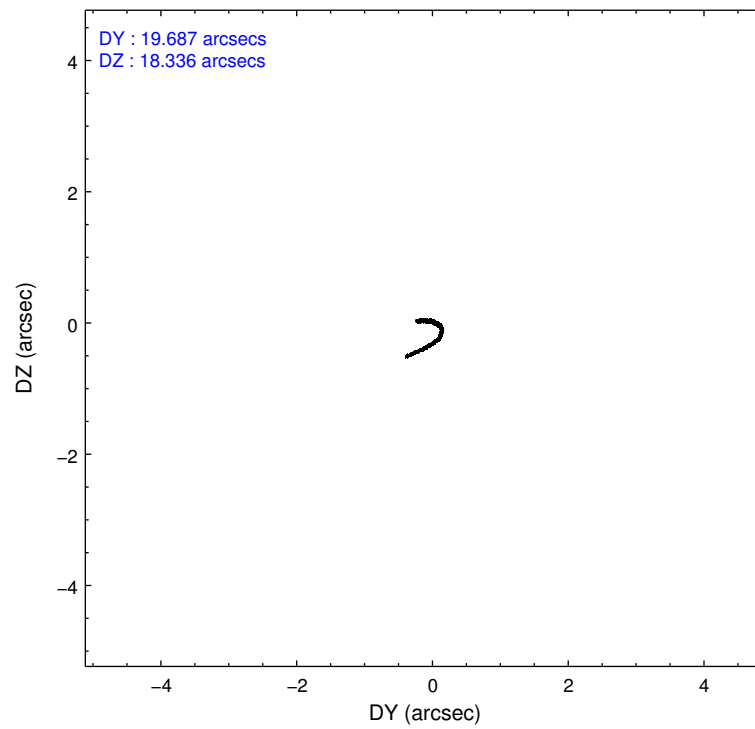
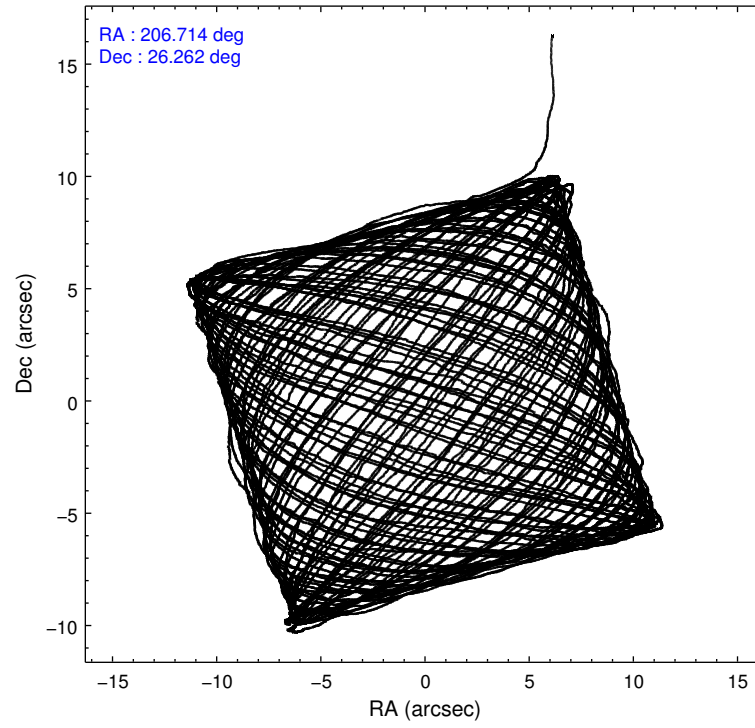
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	209250	225882	228668	235017	230936
rejected events	181942	188881	202435	208717	202166
rejected %	86%	83%	88%	88%	87%

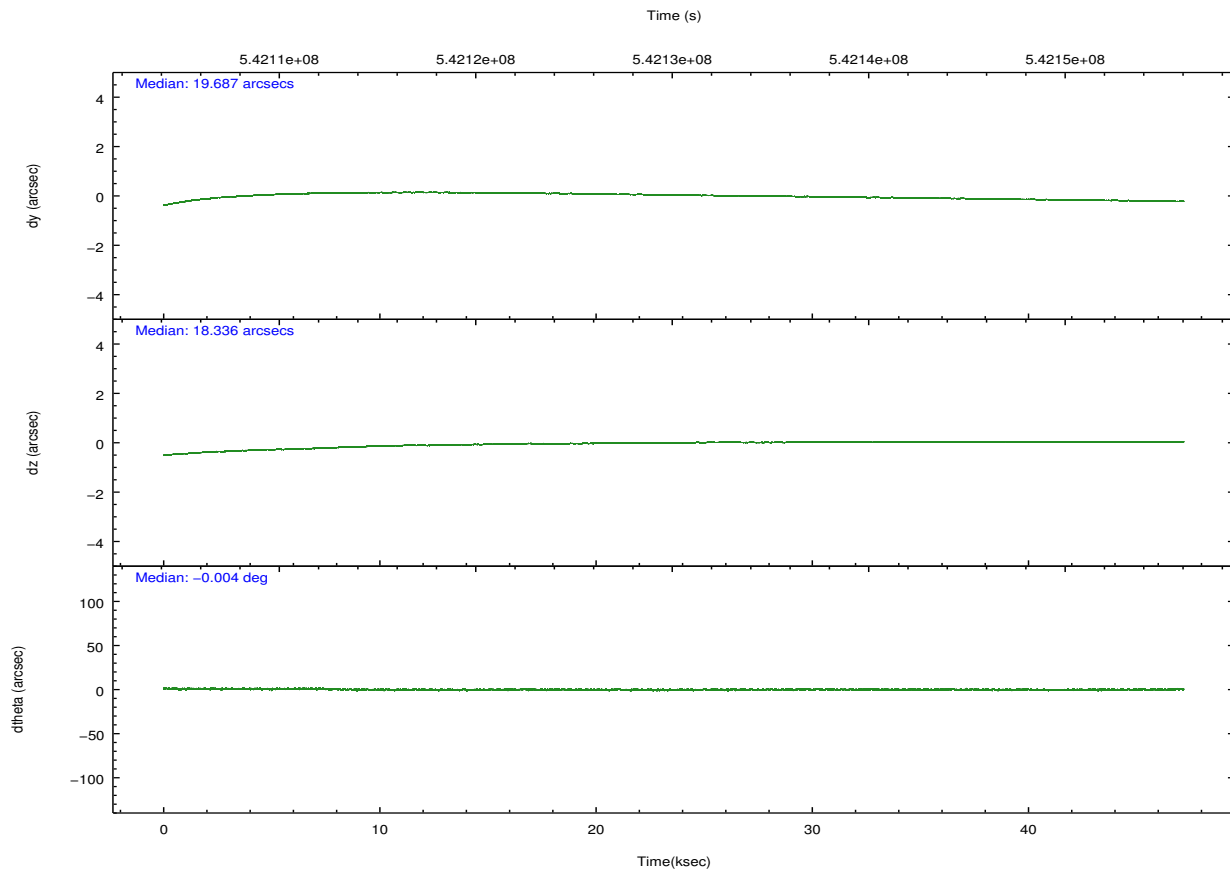
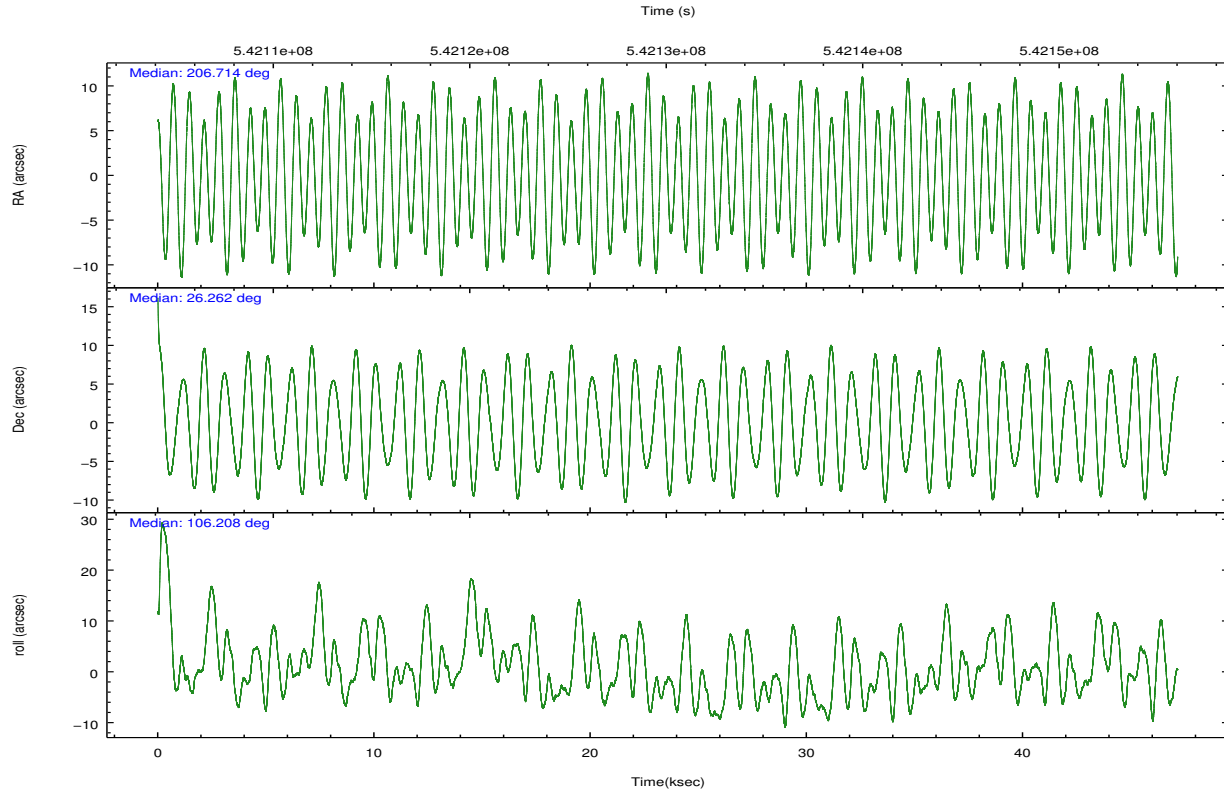
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	9194	17588	9146	9347	10205
	4%	7%	3%	3%	4%
grade 1 events	111	146	105	152	115
	0%	0%	0%	0%	0%
grade 2 events	6673	6850	6226	5645	6320
	3%	3%	2%	2%	2%
grade 3 events	2825	2819	2743	2635	2725
	1%	1%	1%	1%	1%
grade 4 events	2584	2778	2736	2828	2680
	1%	1%	1%	1%	1%
grade 5 events	10613	11142	10015	12099	11491
	5%	4%	4%	5%	4%
grade 6 events	6046	6981	5392	5852	6850
	2%	3%	2%	2%	2%
grade 7 events	171204	177578	192305	196459	190550
	81%	78%	84%	83%	82%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	206.736257	206.7139547411289	CCD I2 on	Y	Y
[deg] Pointing Dec	26.243078	26.26211543487761	CCD I3 on	Y	Y
[deg] Pointing Roll	105.992998	106.2115471416033	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	N	N
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	542106672.184000	542105157.94247	CCD S5 on	N	N
Observation start date	2015-03-07T09:10:05	2015-03-07T08:45:57	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	542153672.184000	542154957.57025	On-chip summing requested	N	N
Observation end date	2015-03-07T22:13:25	2015-03-07T22:35:57	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect





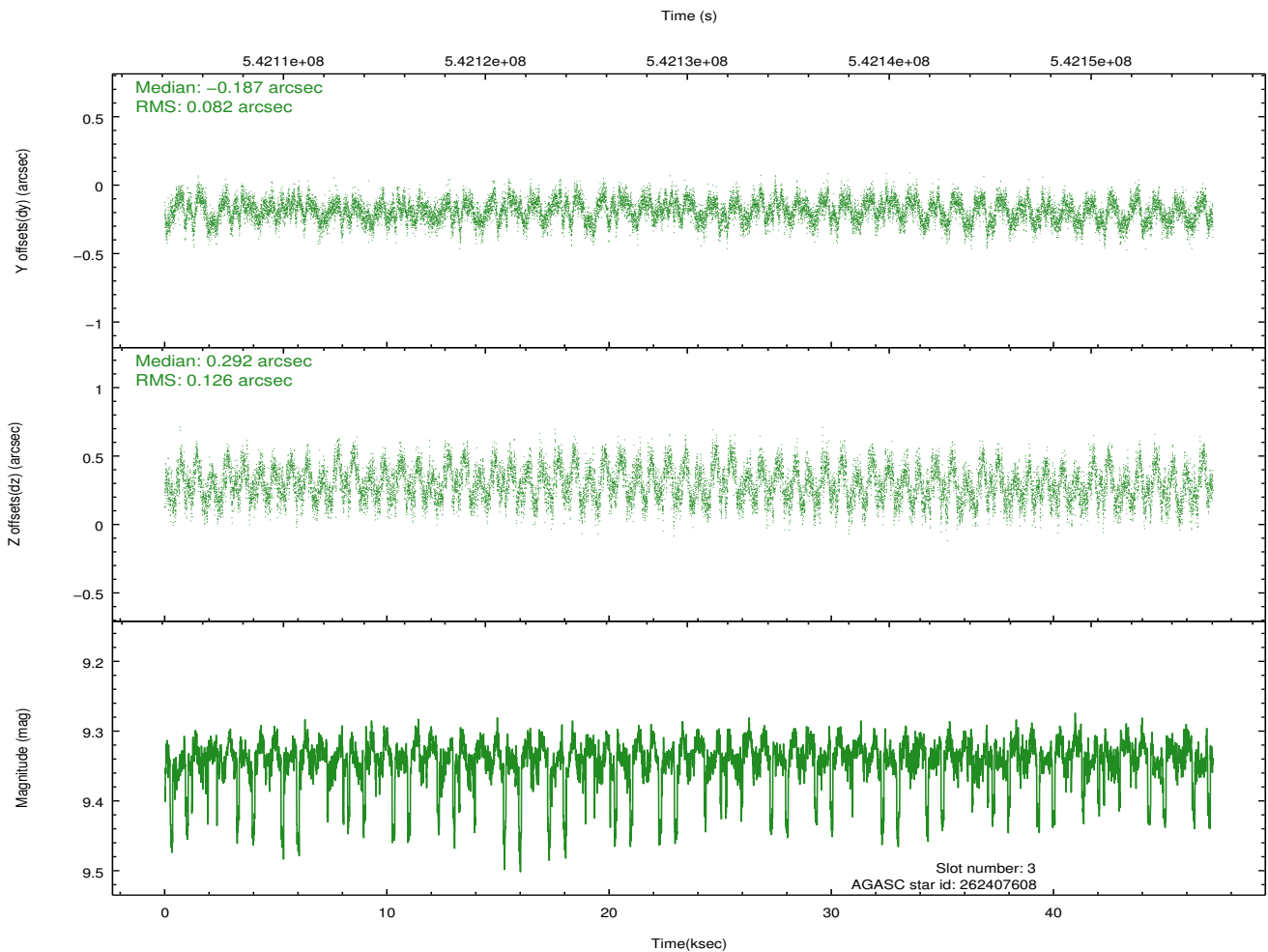
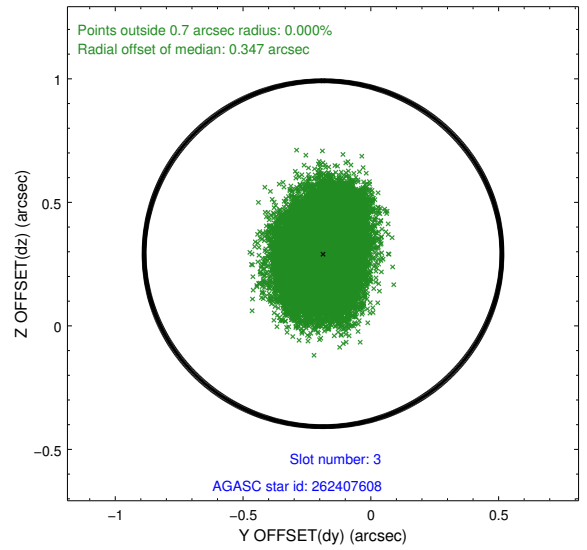
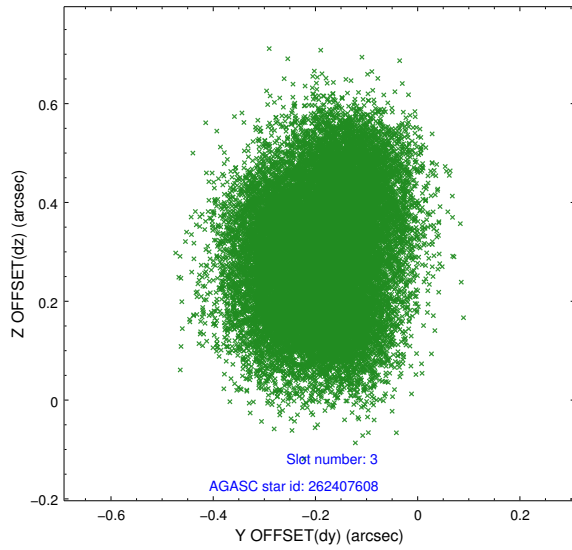
Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.26	11504	0.055	0.029	0.008	0.024	0.000000	0.000000	919.74	-841.90
1	FID		ACIS-I-5	7.25	11504	-0.317	0.041	0.009	0.018	0.000000	0.000000	-1828.80	1055.53
2	FID		ACIS-I-6	7.26	11502	0.171	0.000	0.010	0.023	0.000000	0.000000	385.33	1700.04
3	GUIDE	used	262407608	9.34	22992	-0.187	0.292	0.164	0.252	207.378401	26.435507	100.79	-2181.69
4	GUIDE	used	262408096	9.30	22988	-0.045	-0.034	0.195	0.300	207.011678	26.515421	699.77	-1122.58
5	GUIDE	used	262408936	9.66	22979	-0.093	-0.097	0.170	0.277	207.154731	26.726554	1304.77	-1773.61
6	GUIDE	used	262411960	9.65	23001	0.308	0.288	0.166	0.265	207.327895	25.881727	-1773.42	-1484.46
7	GUIDE	used	262281576	9.82	22652	0.029	-0.454	0.164	0.280	206.208277	25.538154	-1963.33	2346.96

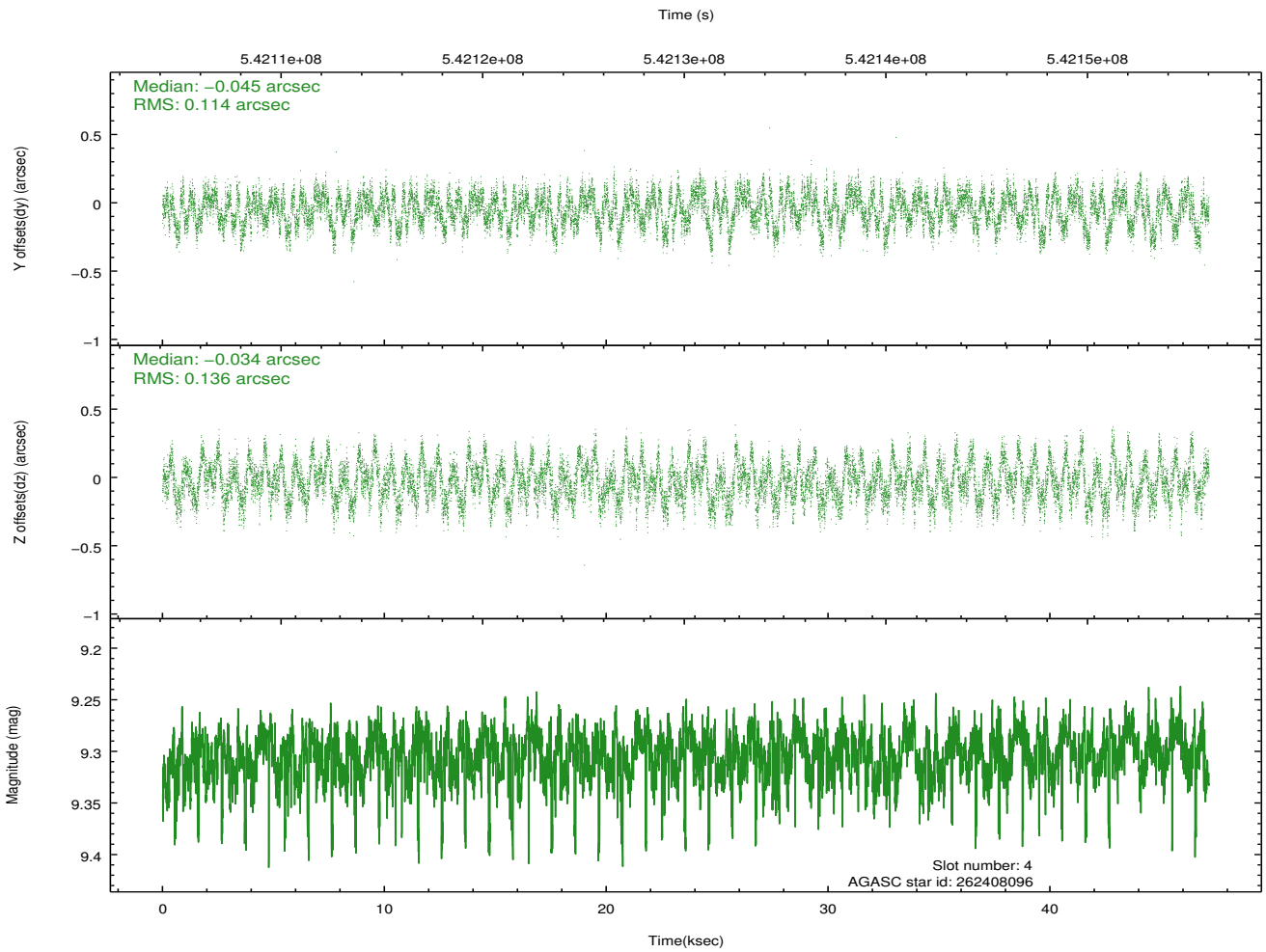
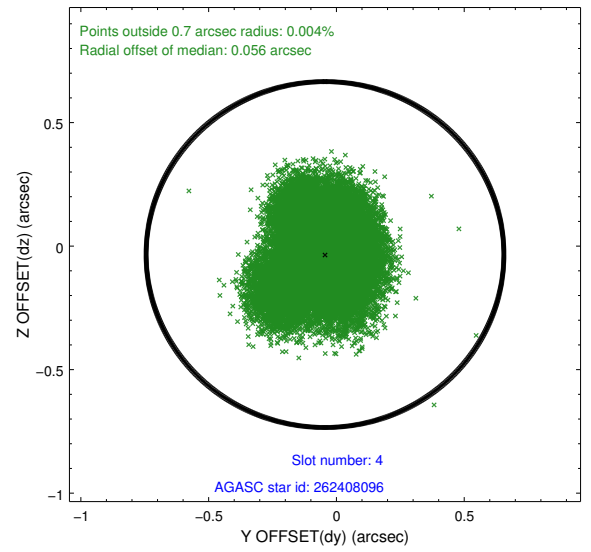
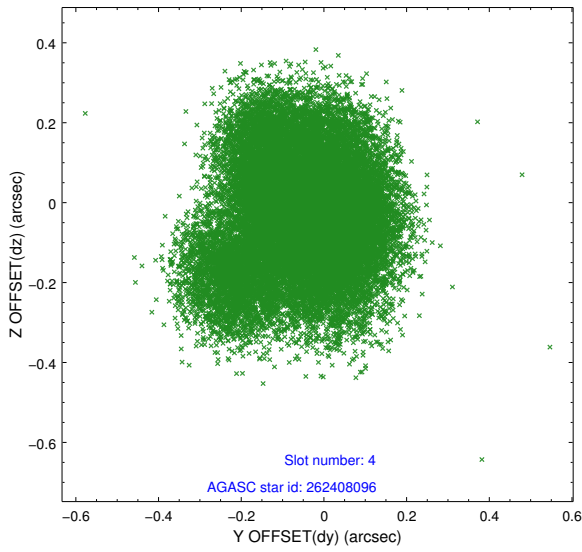
∞

2.4 Star Slots

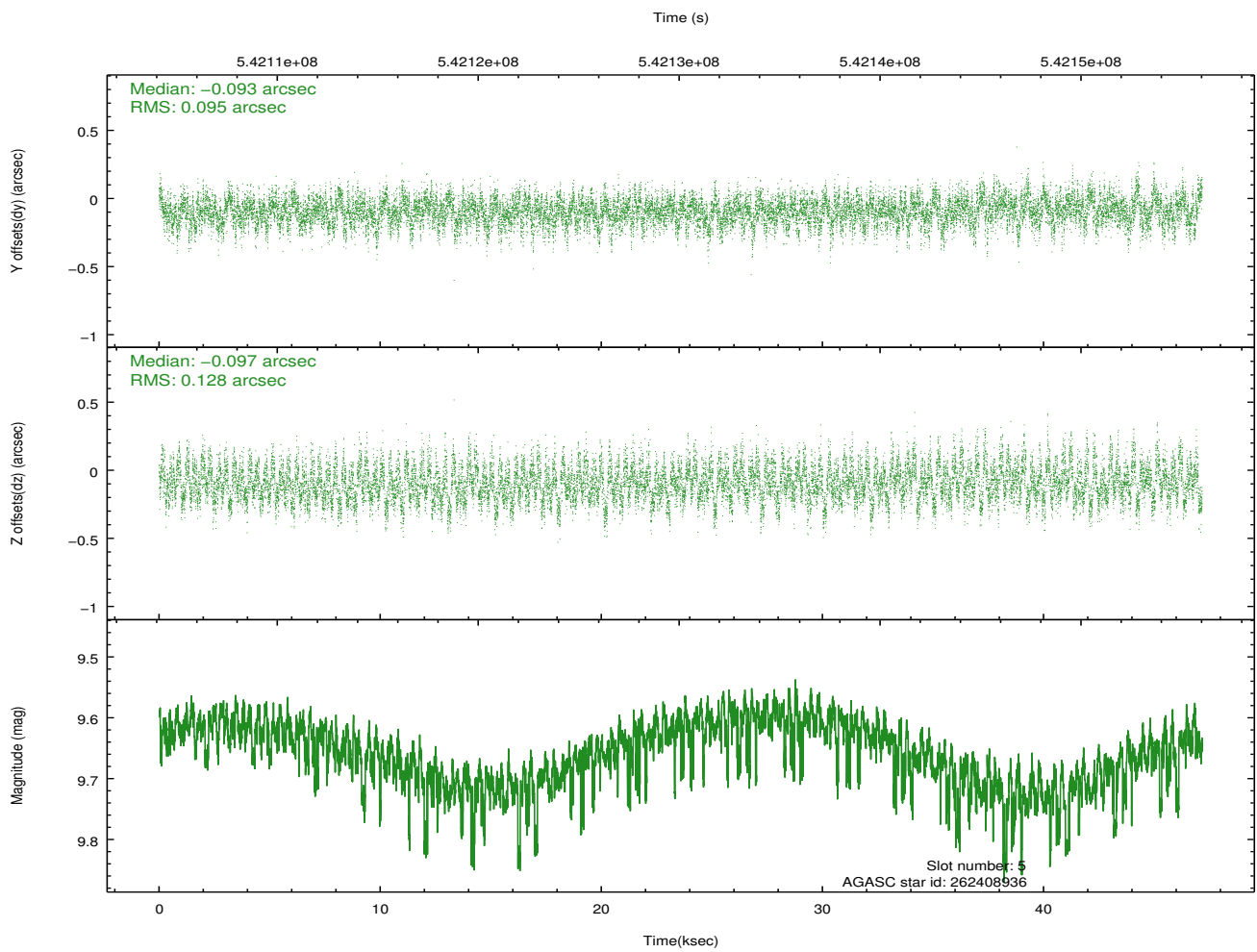
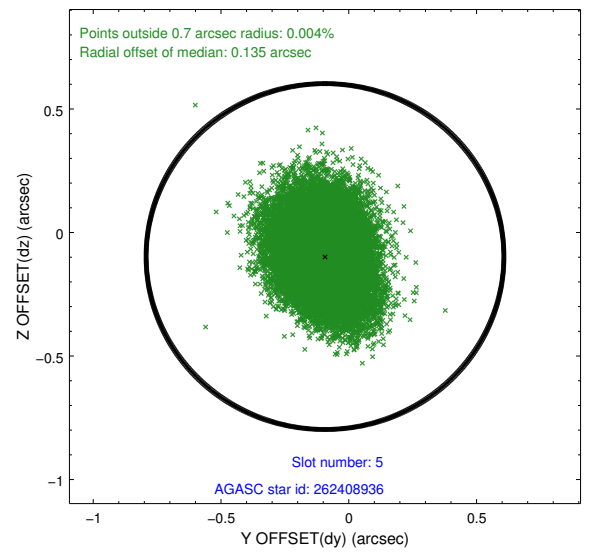
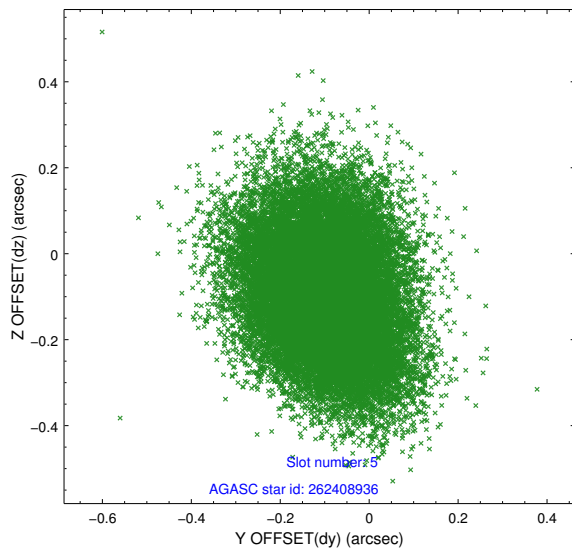
2.4.1 Slot 3



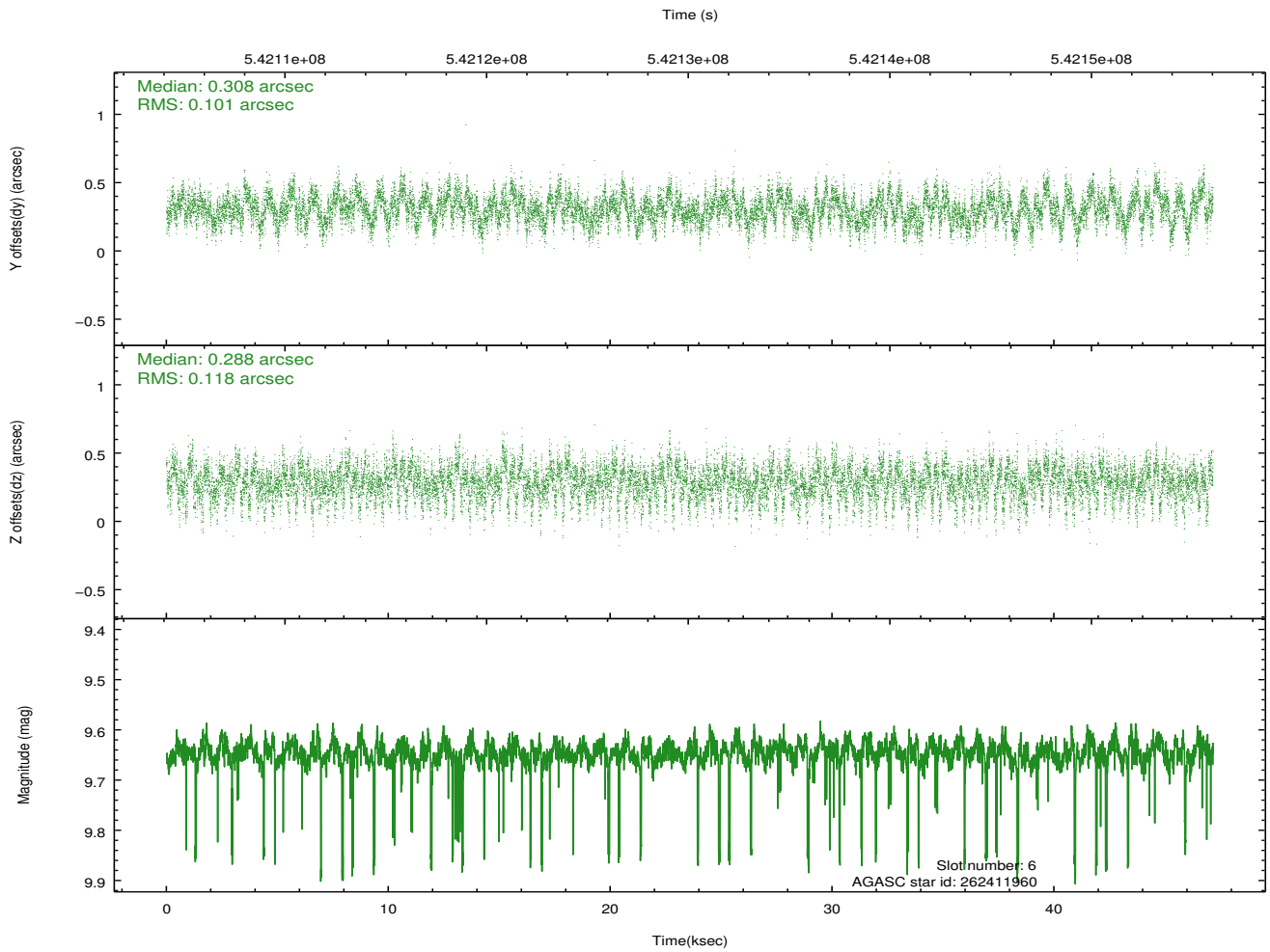
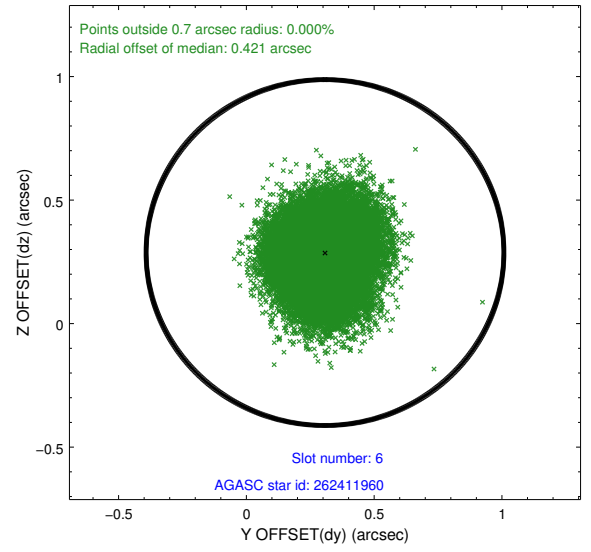
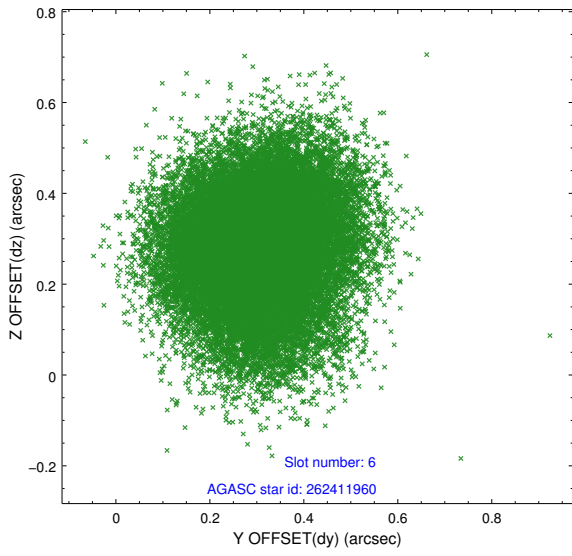
2.4.2 Slot 4



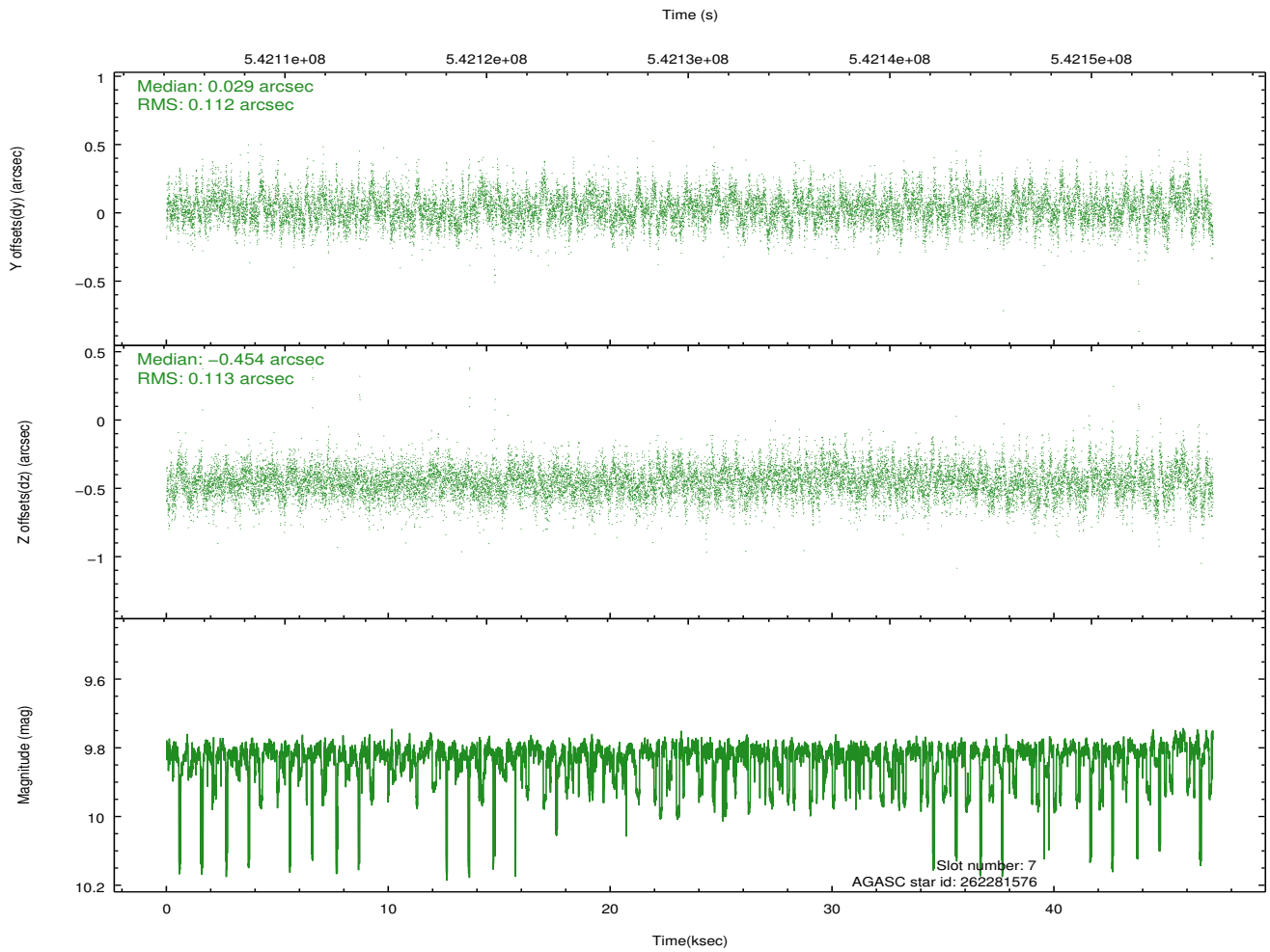
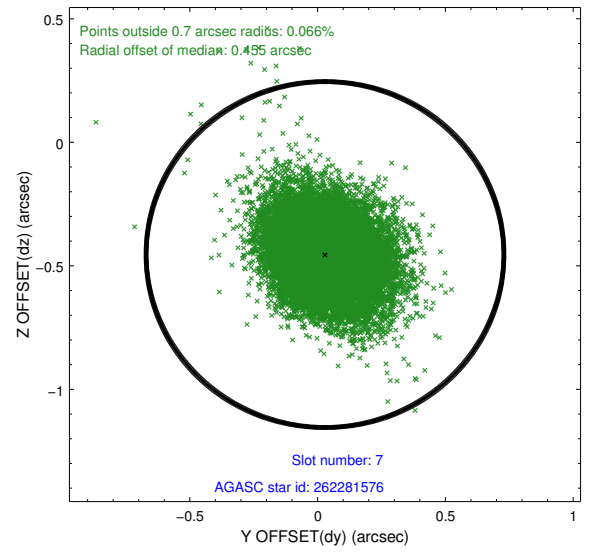
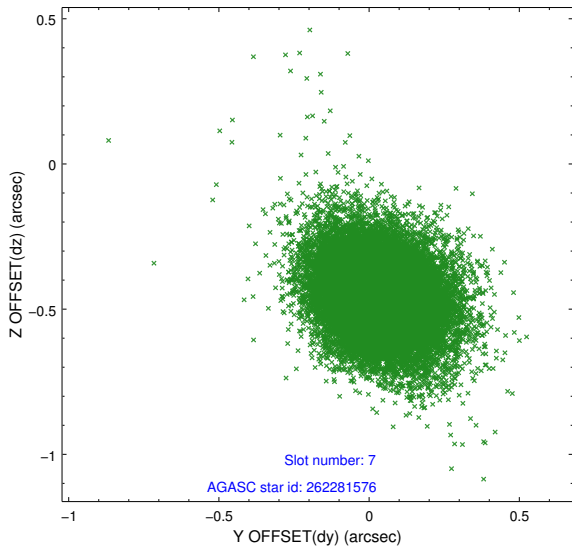
2.4.3 Slot 5



2.4.4 Slot 6

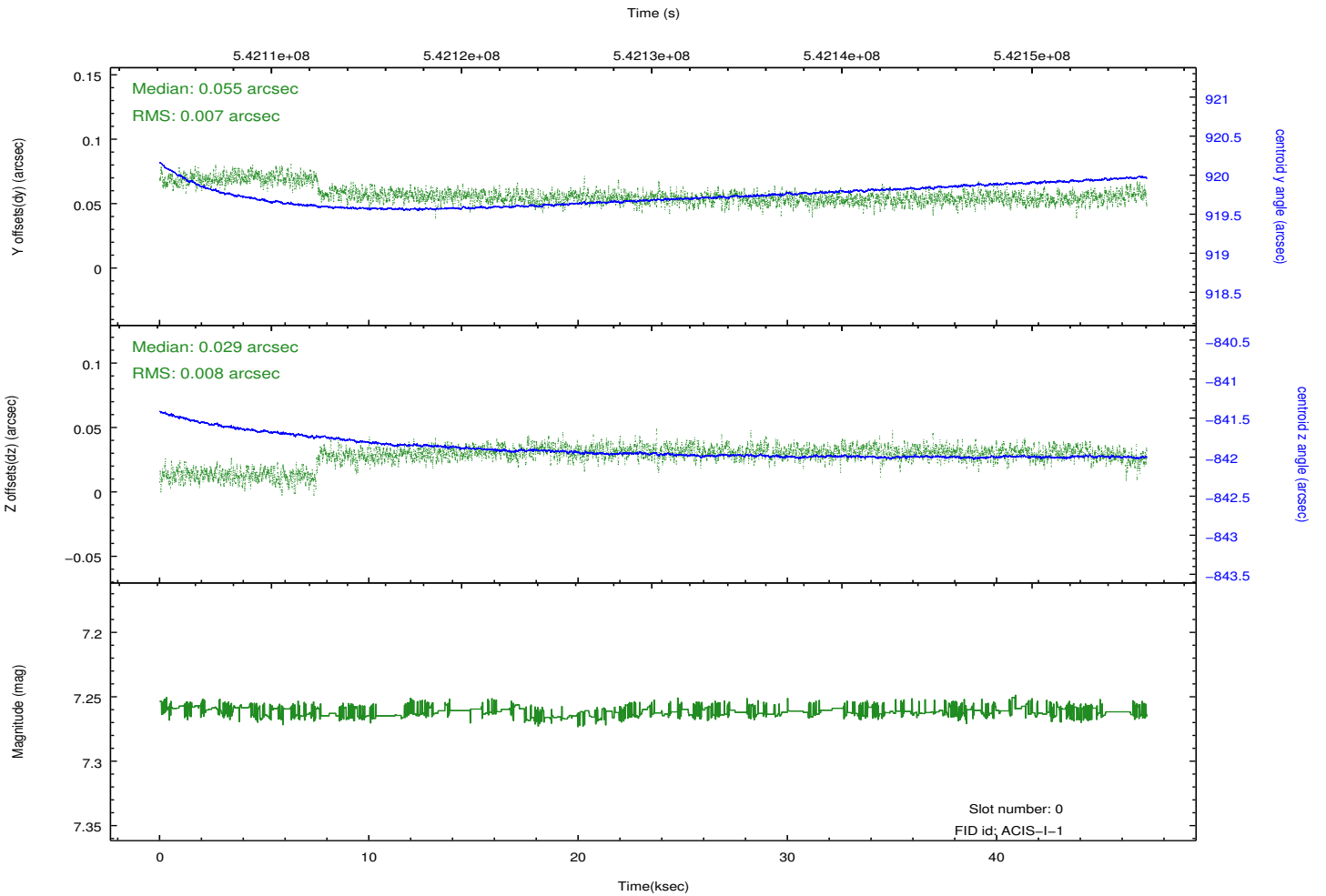
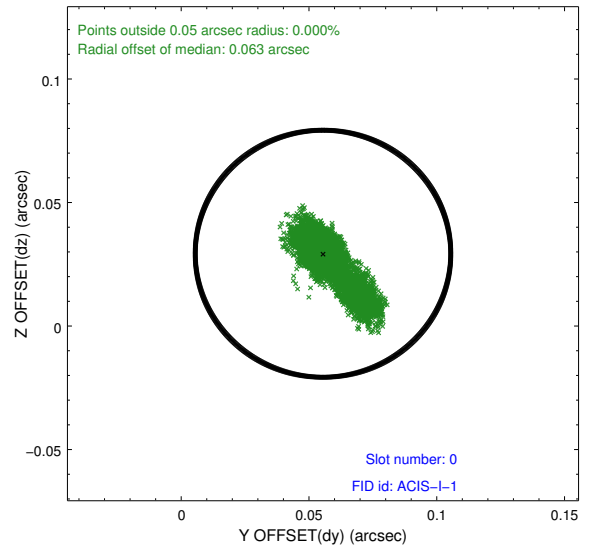
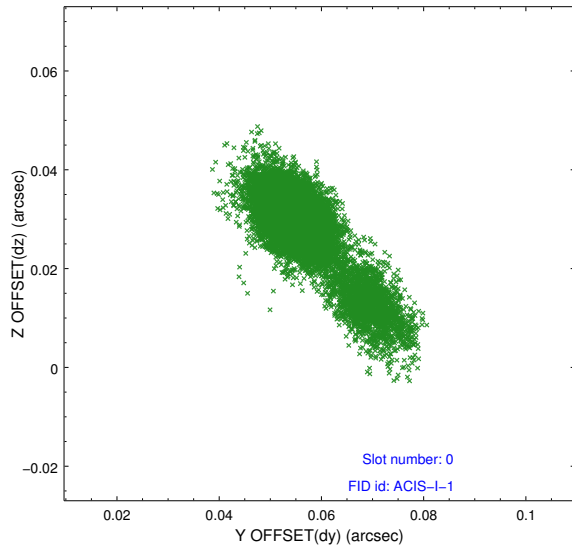


2.4.5 Slot 7

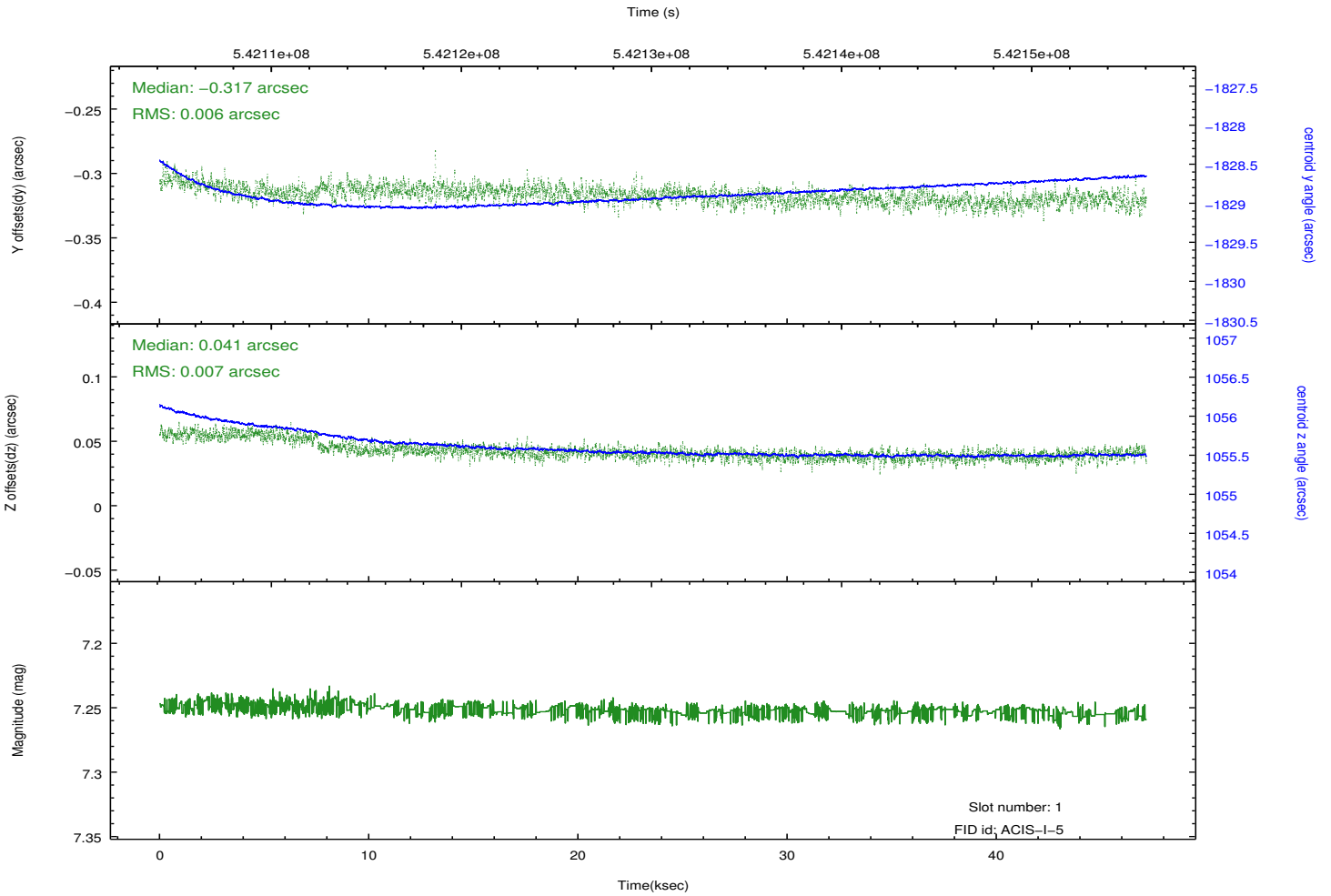
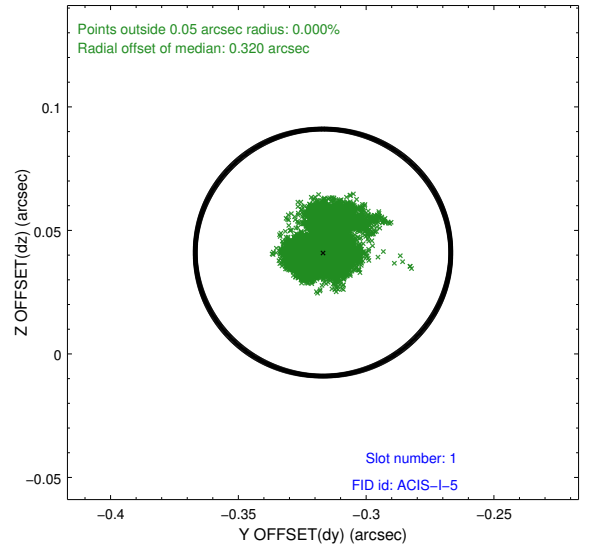
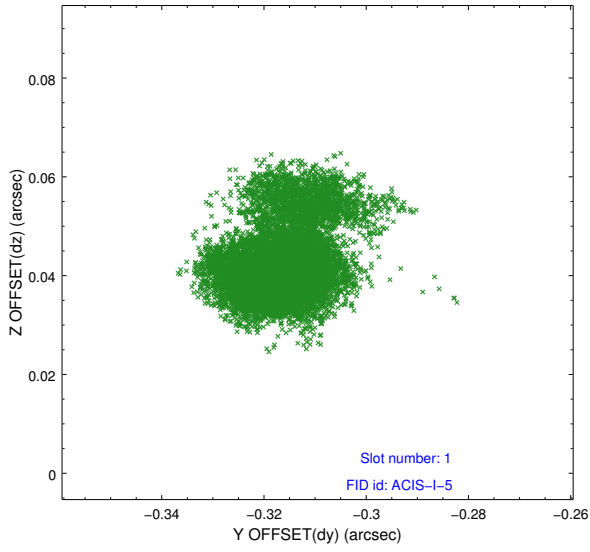


2.5 FID Slots

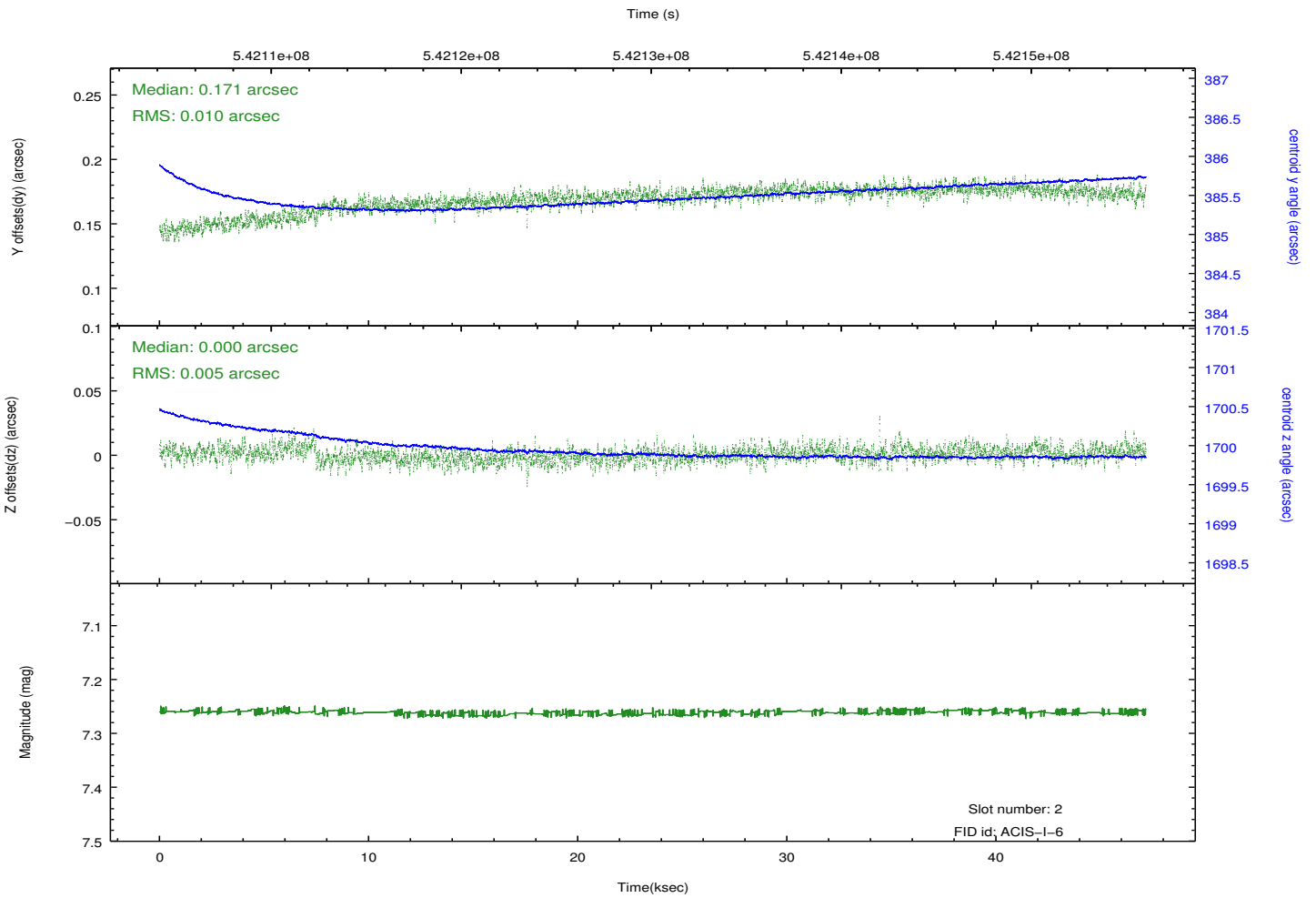
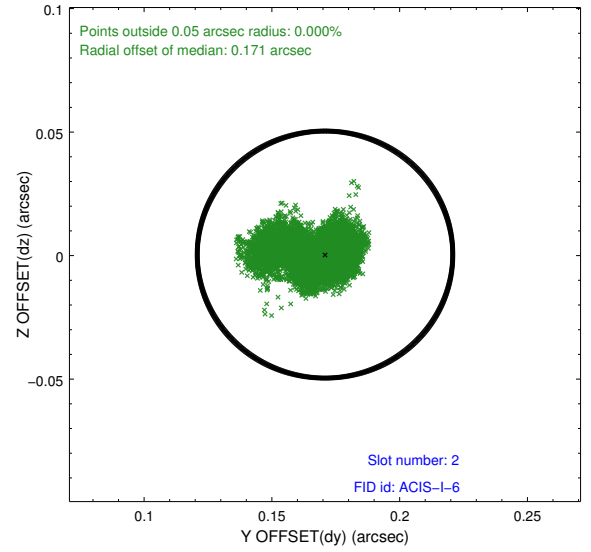
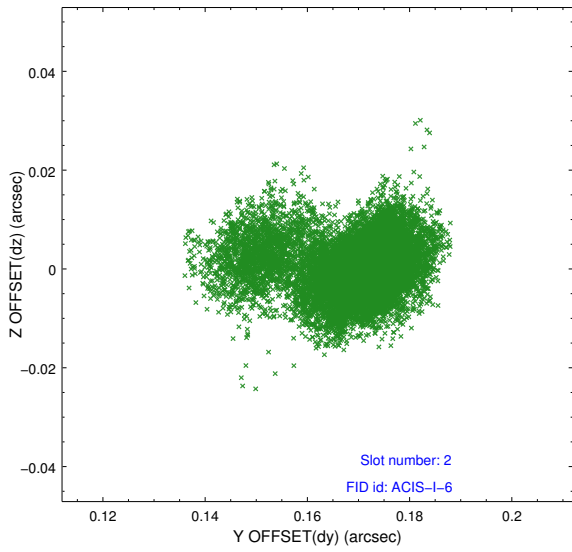
2.5.1 Slot 0



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)	2015.03.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	47.078412307739

A.2 Comments