

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 17626 - L2 Version 1
Chandra X-Ray Center

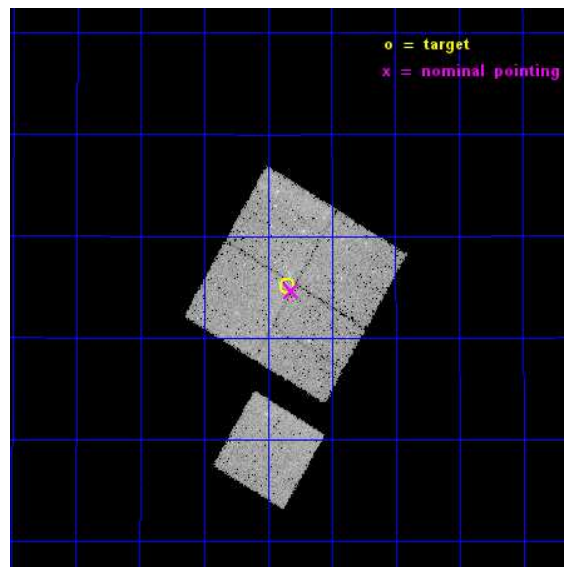
L2 Processing Date : May 16 2015

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1 Front

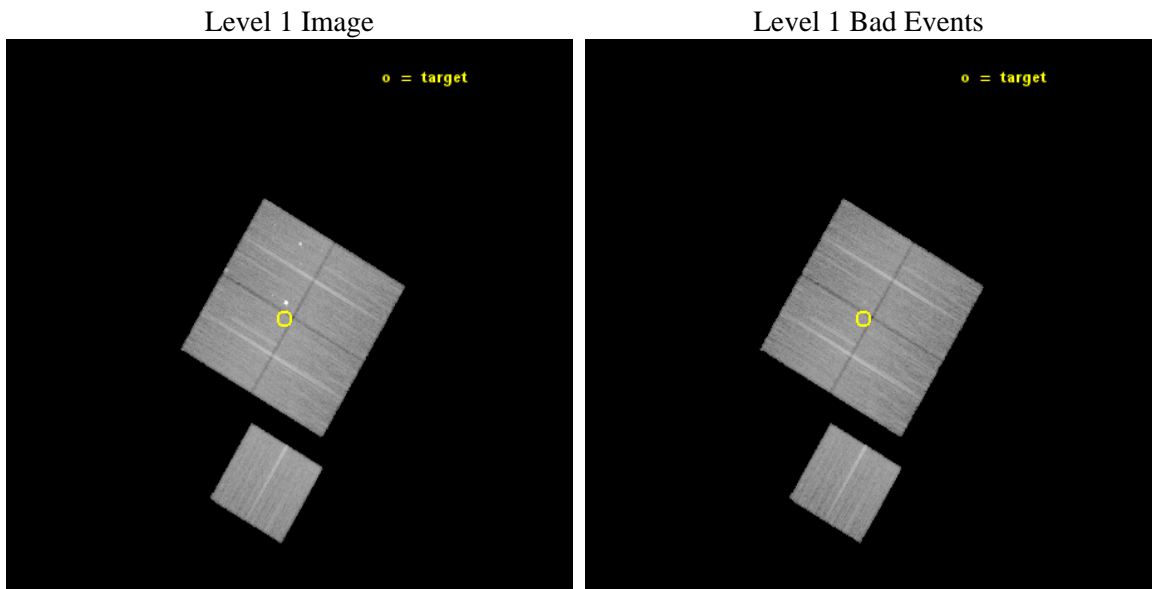
seq_num	801501	Sequence number
obs_id	17626	Observation id
title	Chandra mapping of the cosmic web converging on the virialization region of Abell 1795	Proposal title
observer	Dr Alexey Vikhlinin	Principal investigator
object	Abell 1795 outskirts	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	207.461113	Observer's specified target RA [deg]
dec_targ	27.085142	Observer's specified target Dec [deg]
ra_nom	207.45378279063	Nominal RA [deg]
dec_nom	27.077507495419	Nominal Dec [deg]
roll_nom	210.41201697934	Nominal Roll [deg]
revision	1	Processing version of data
ontime	37232.61745894	Sum of GTIs [s]
livetime	36746.145901584	Livetime [s]
ontime0	37235.635399342	Sum of GTIs [s]
ontime1	37229.394328594	Sum of GTIs [s]
ontime2	37232.576419115	Sum of GTIs [s]
ontime3	37232.61745894	Sum of GTIs [s]
ontime6	37235.594359159	Sum of GTIs [s]
l2events	89684	Number of level 2 events



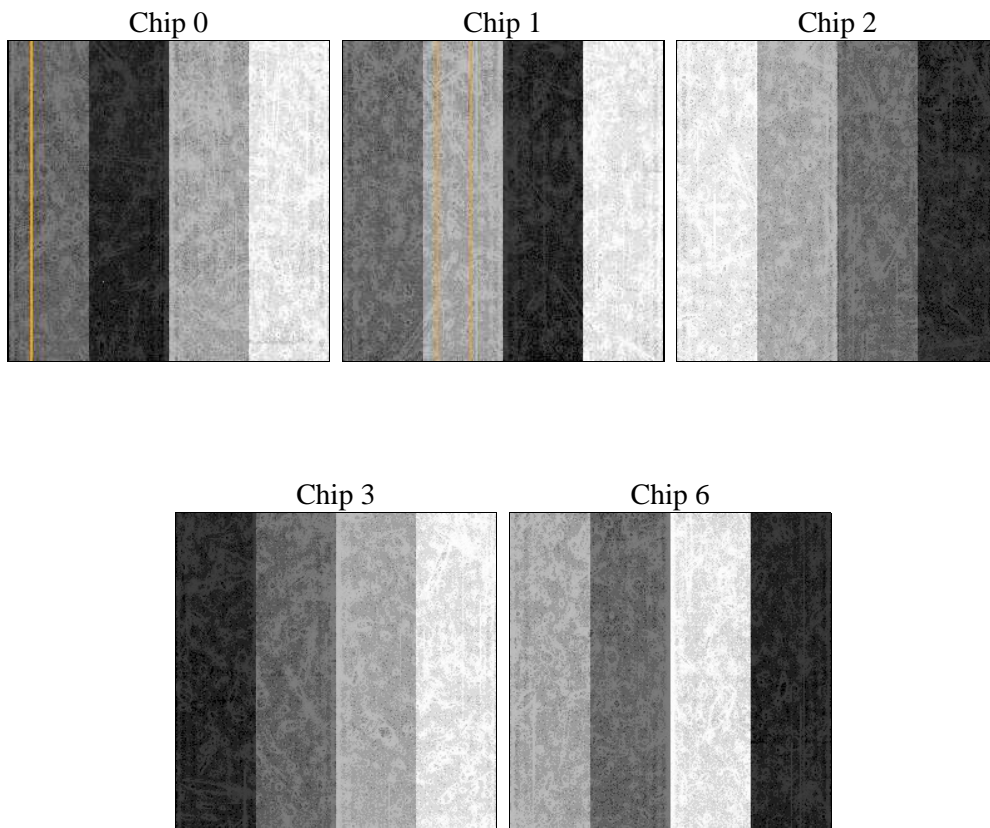
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	37462.155000	[s] Scheduled observation exposure time
ascdsver	10.3.3	Processing system revision	ontime	37232.61745894	Sum of GTIs [s]
caldbver	4.6.7	 	ontime0	37235.635399342	Sum of GTIs [s]
date	2015-05-16T15:50:49	Date and time of file creation	ontime1	37229.394328594	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	37232.576419115	Sum of GTIs [s]
			ontime3	37232.61745894	Sum of GTIs [s]
			ontime6	37235.594359159	Sum of GTIs [s]
			l1events	889642	Number of level 1 events

2.1.4 Events

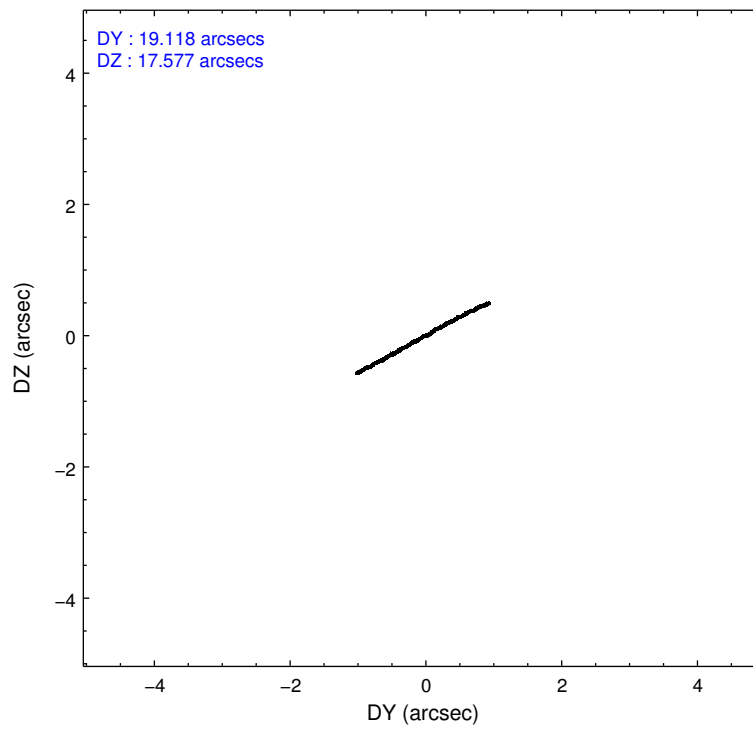
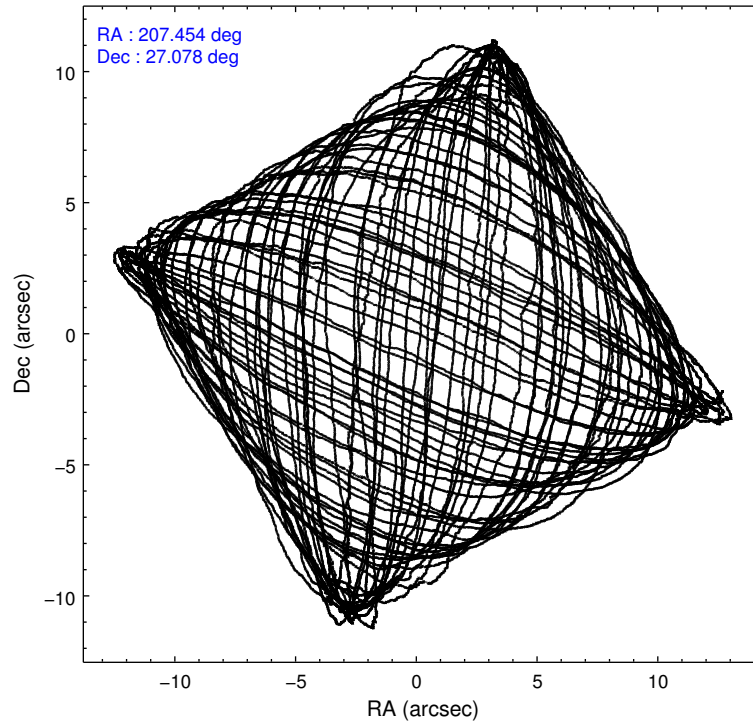
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	163705	181571	178230	182239	183897
rejected events	143048	145961	158794	162521	162483
rejected %	87%	80%	89%	89%	88%

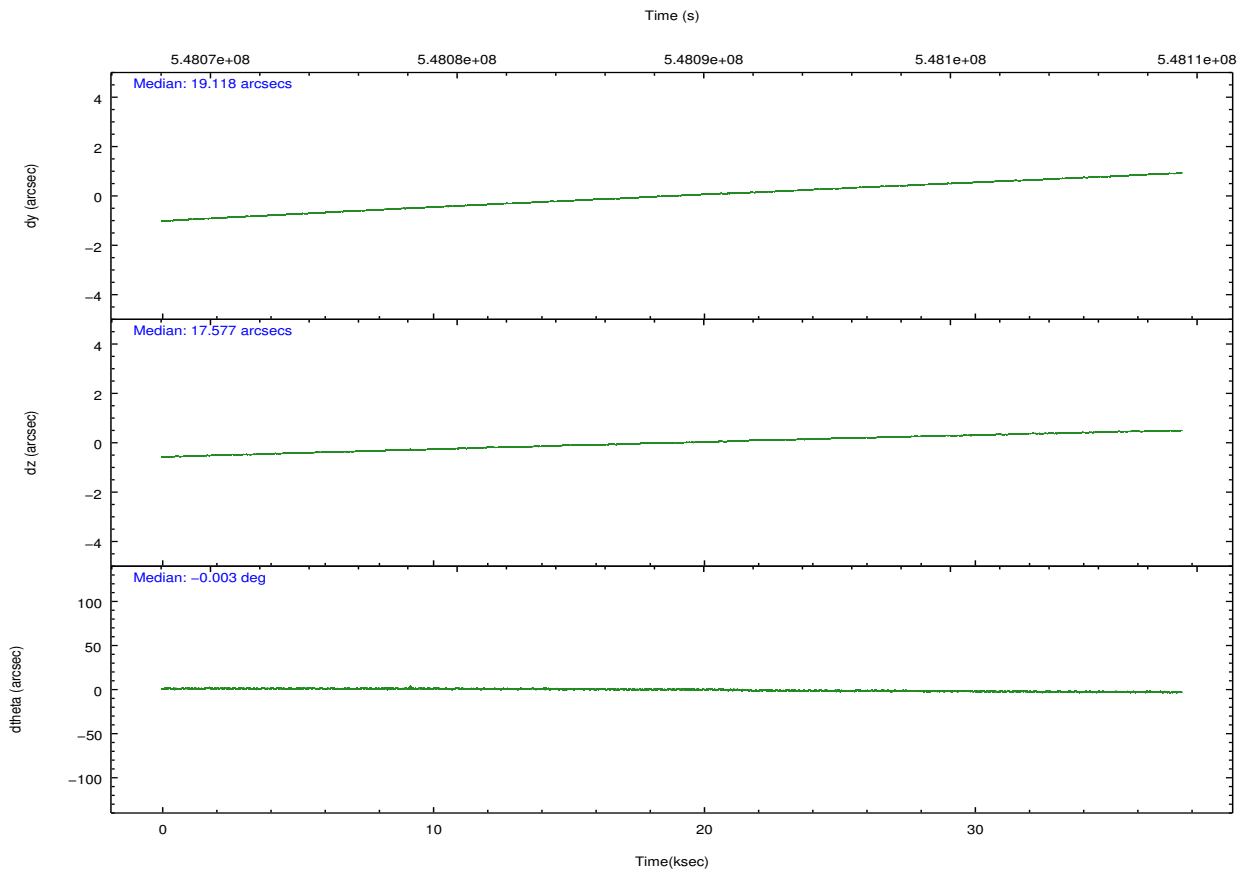
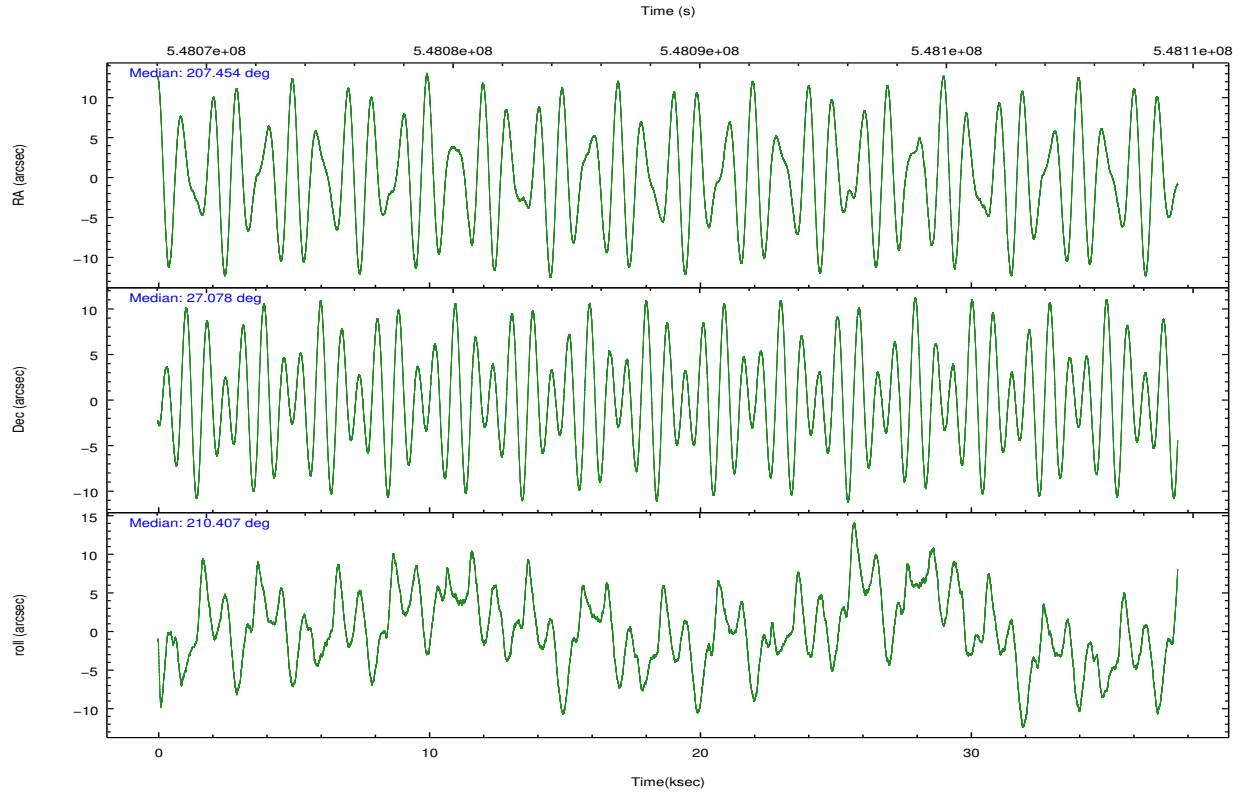
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	7028	9823	6929	6834	7077
	4%	5%	3%	3%	3%
grade 1 events	97	88	100	118	90
	0%	0%	0%	0%	0%
grade 2 events	4955	15982	4501	4250	4947
	3%	8%	2%	2%	2%
grade 3 events	2247	2146	2053	2105	2099
	1%	1%	1%	1%	1%
grade 4 events	1953	2166	2021	2185	2051
	1%	1%	1%	1%	1%
grade 5 events	8088	8585	7339	9287	8845
	4%	4%	4%	5%	4%
grade 6 events	4475	5497	3934	4345	5241
	2%	3%	2%	2%	2%
grade 7 events	134862	137284	151353	153115	153547
	82%	75%	84%	84%	83%

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	207.468994	207.4537827906263	CCD I2 on	Y	Y
[deg] Pointing Dec	27.101574	27.0775074954191	CCD I3 on	Y	Y
[deg] Pointing Roll	210.196413	210.4120169793365	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)	548070043.184000	548069667.10151	CCD S5 on	N	N
Observation start date	2015-05-15T09:39:36	2015-05-15T09:34:27	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	548107505.184000	548107742.26614	On-chip summing requested	N	N
Observation end date	2015-05-15T20:03:58	2015-05-15T20:09:02	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



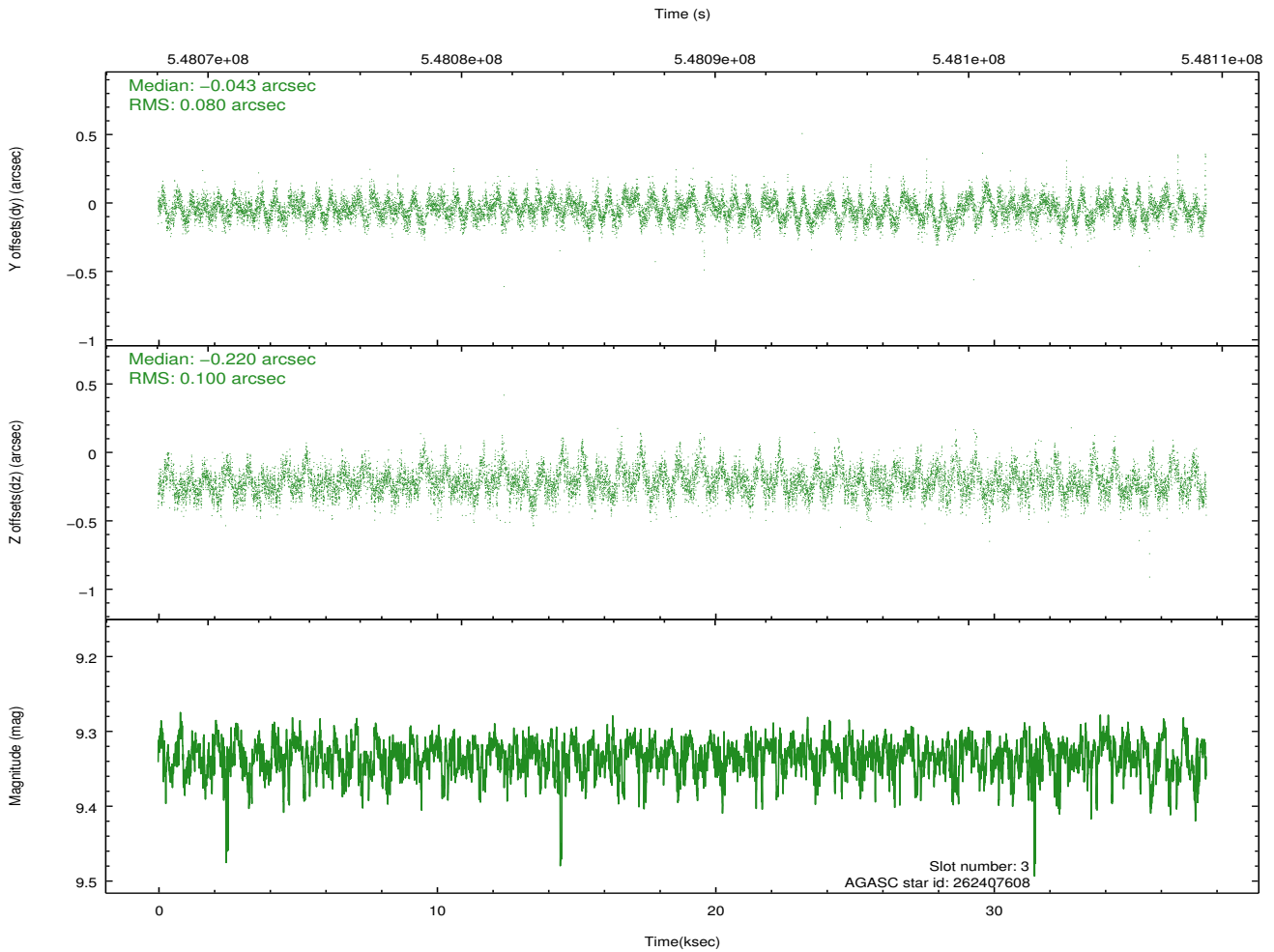
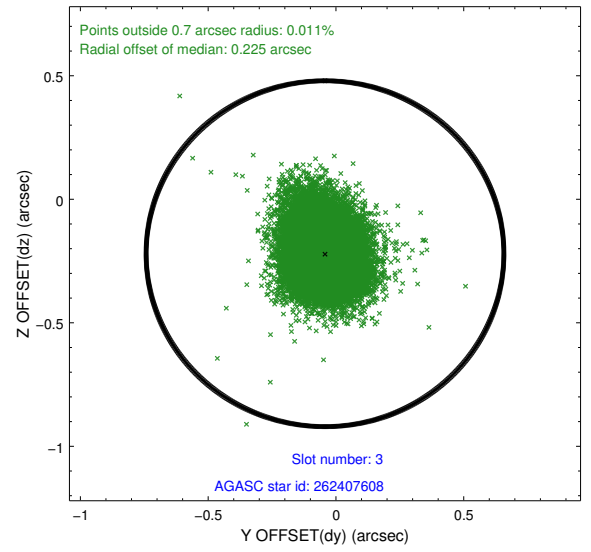
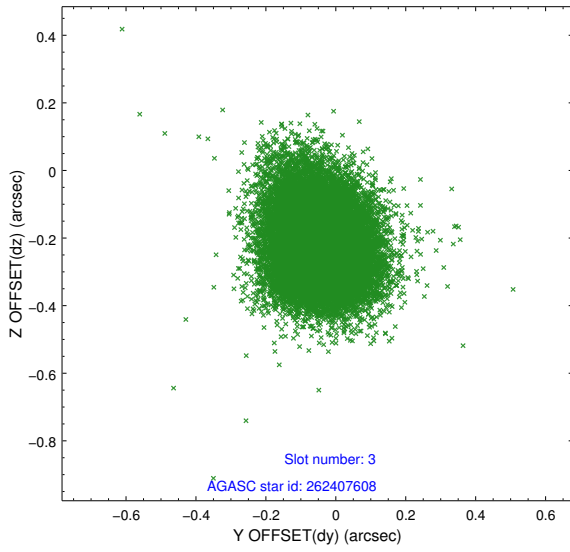


Slot Statistics

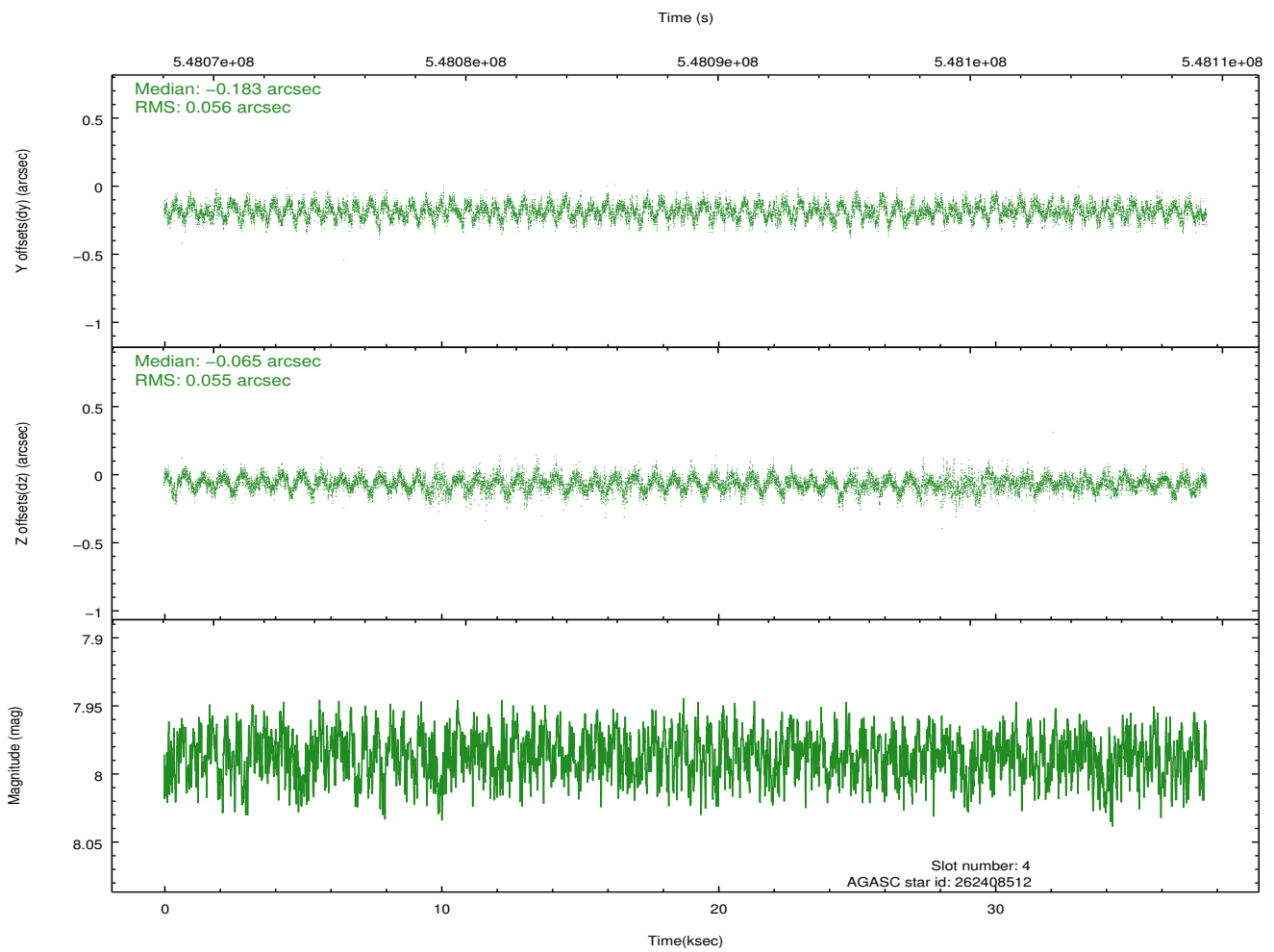
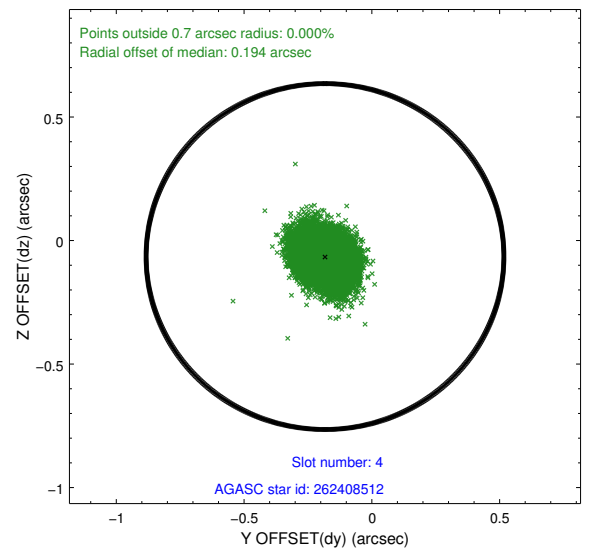
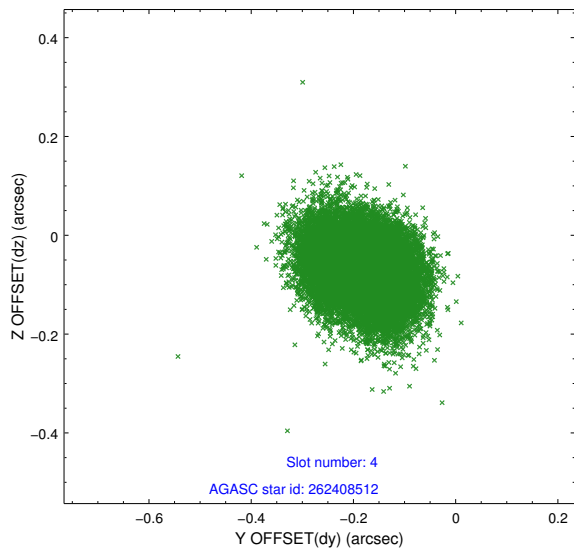
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.20	9181	0.078	-0.011	0.026	0.038	0.000000	0.000000	920.34	-841.21
1	FID		ACIS-I-5	7.19	9182	-0.323	0.055	0.009	0.014	0.000000	0.000000	-1828.20	1056.25
2	FID		ACIS-I-6	7.20	9182	0.156	0.022	0.020	0.028	0.000000	0.000000	385.88	1700.81
3	GUIDE	used	262407608	9.33	17801	-0.043	-0.220	0.134	0.222	207.378401	26.435507	1458.61	1925.69
4	GUIDE	used	262408512	7.99	18364	-0.183	-0.065	0.083	0.133	207.800210	27.128796	-967.01	448.00
5	GUIDE	used	262409552	8.19	18354	0.255	-0.051	0.101	0.167	206.584269	27.192805	2279.32	-1716.91
6	GUIDE	used	262800360	8.56	18360	0.062	0.194	0.099	0.160	207.437814	27.569136	-759.96	-1504.81
7	GUIDE	used	262409648	8.36	18355	-0.095	0.136	0.078	0.129	208.329010	27.087208	-2362.21	1422.98

2.4 Star Slots

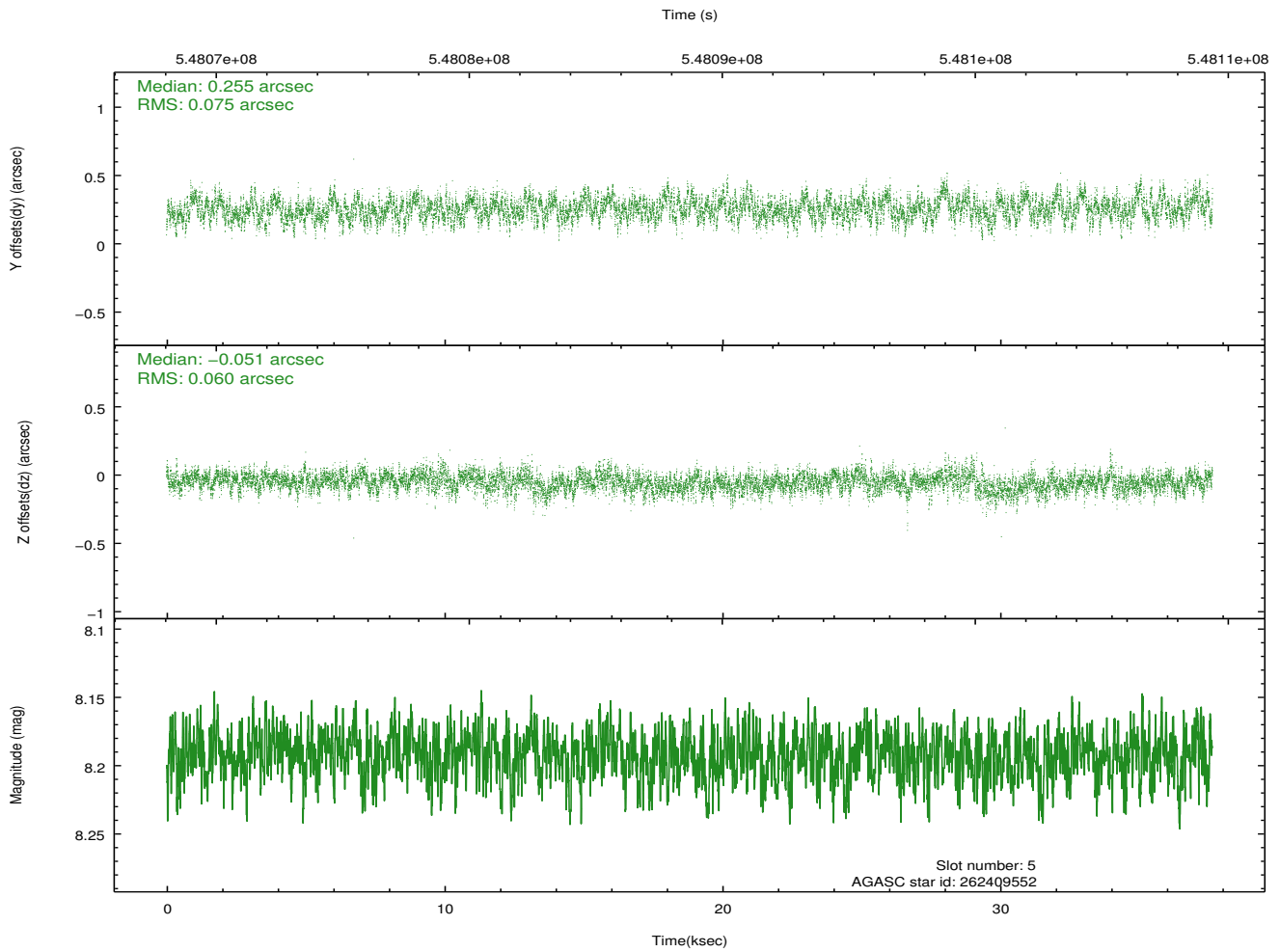
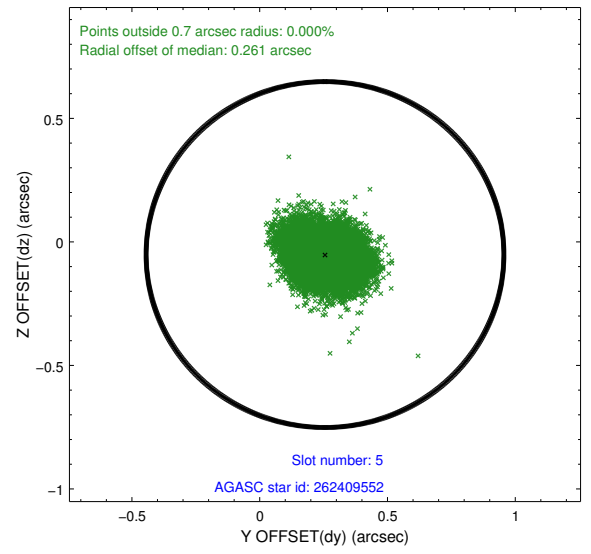
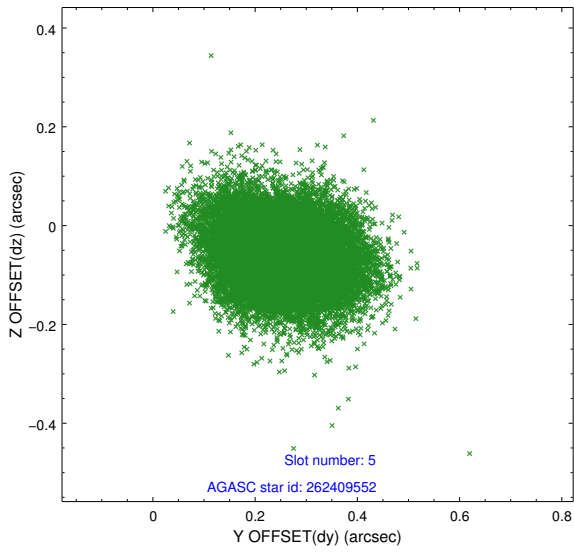
2.4.1 Slot 3



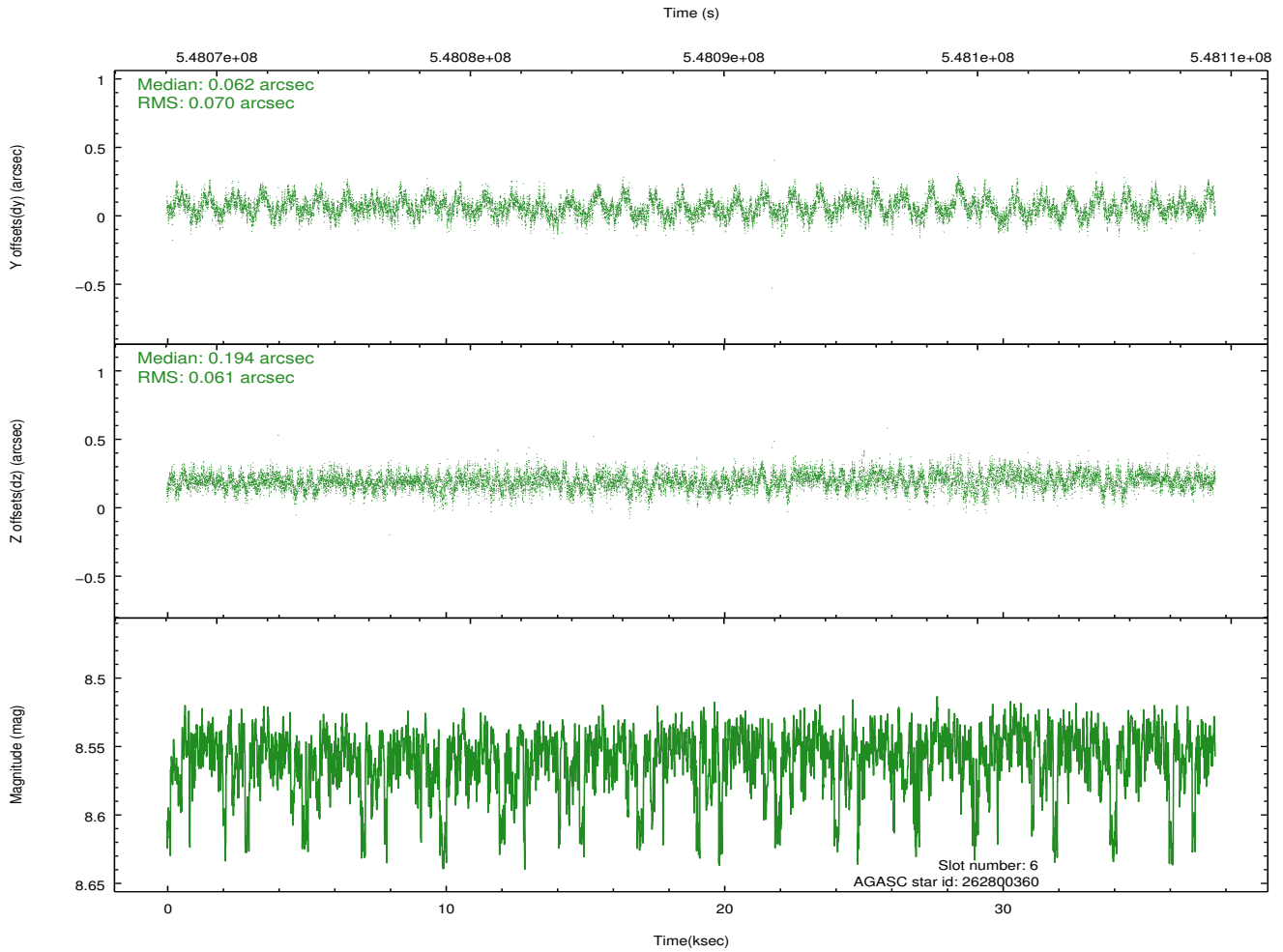
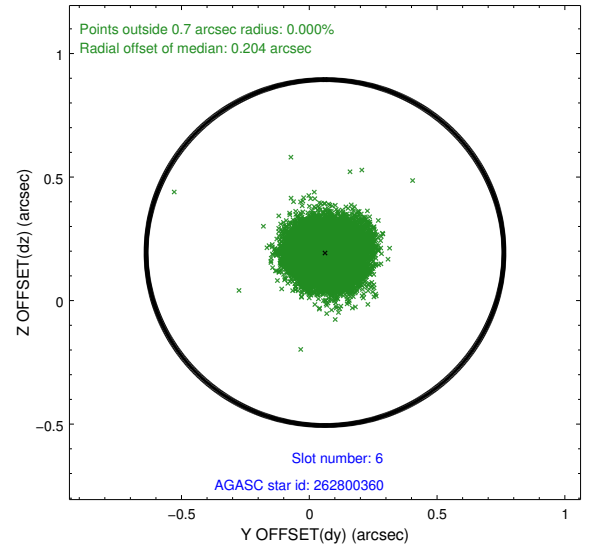
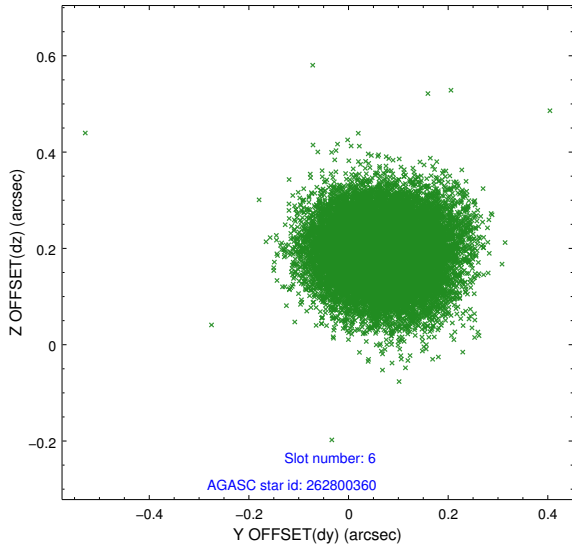
2.4.2 Slot 4



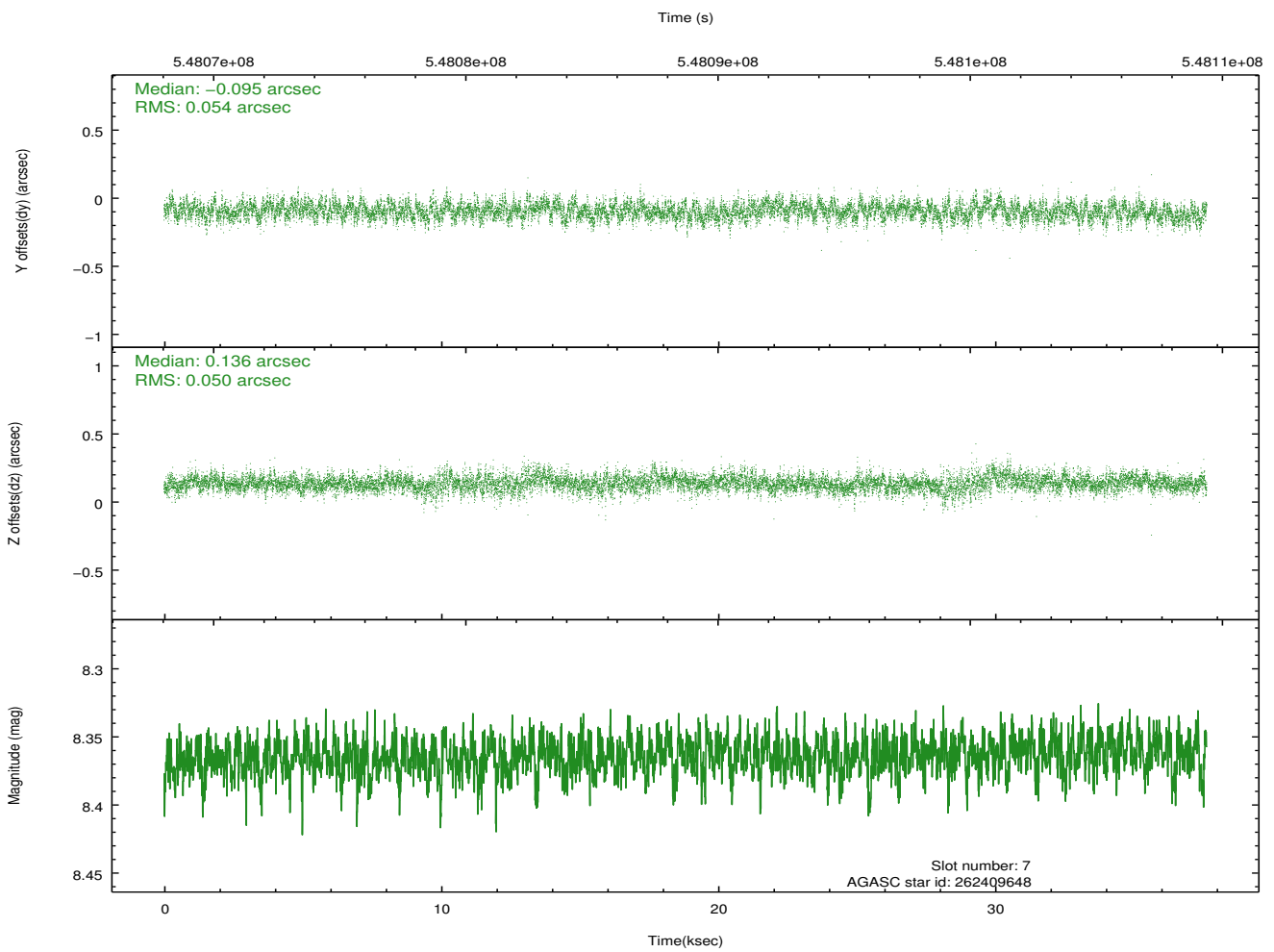
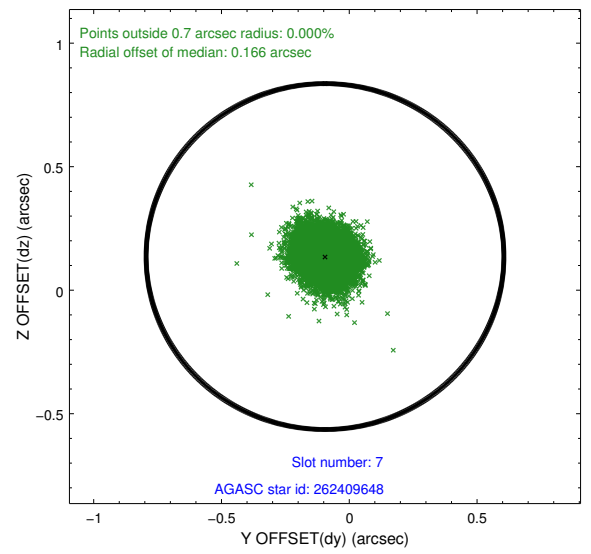
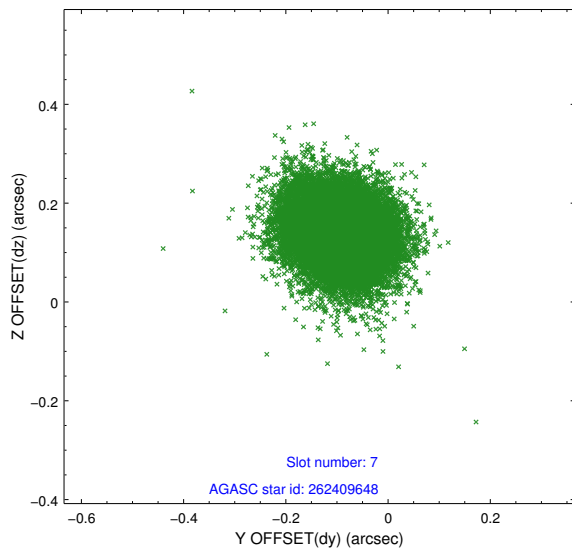
2.4.3 Slot 5



2.4.4 Slot 6

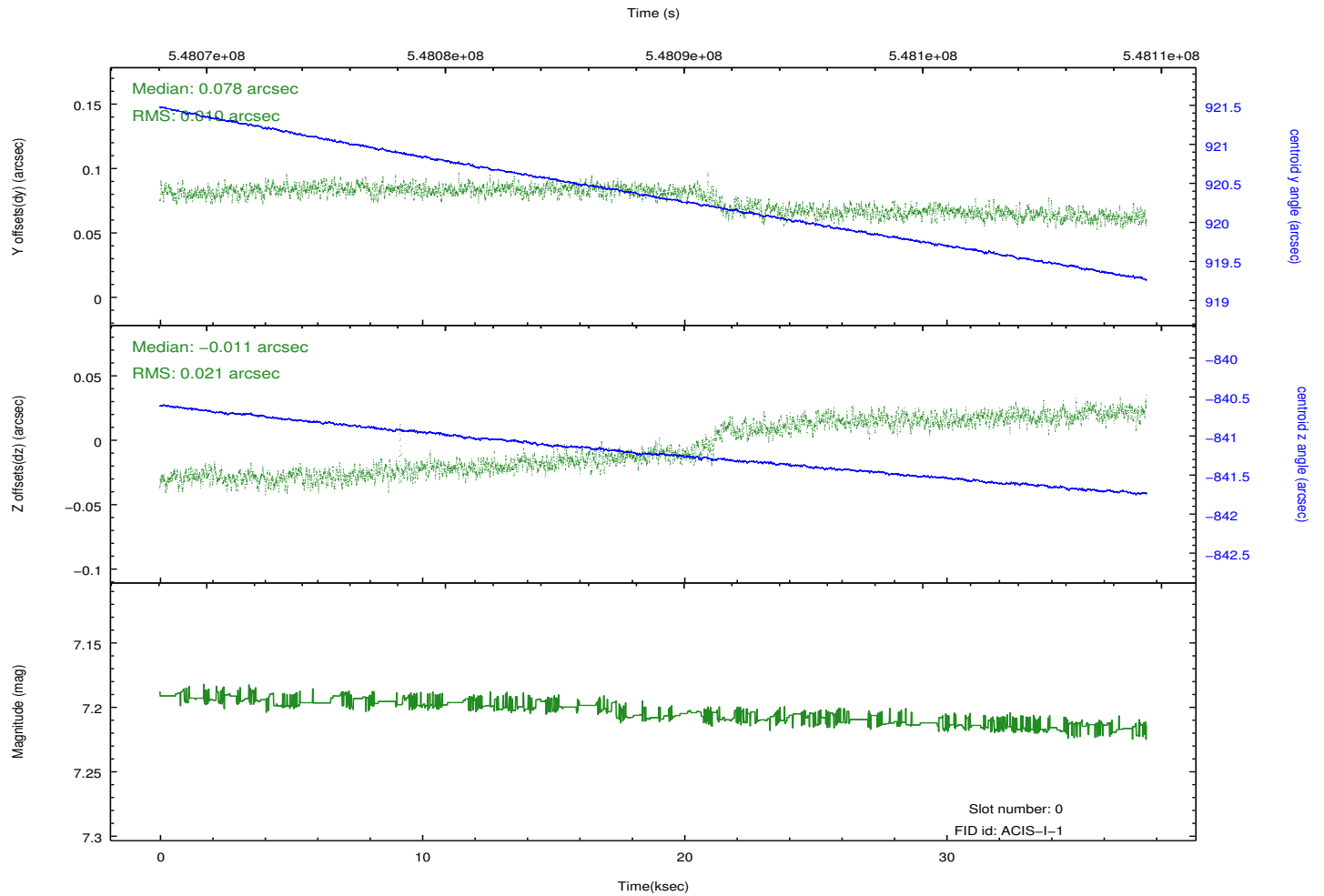
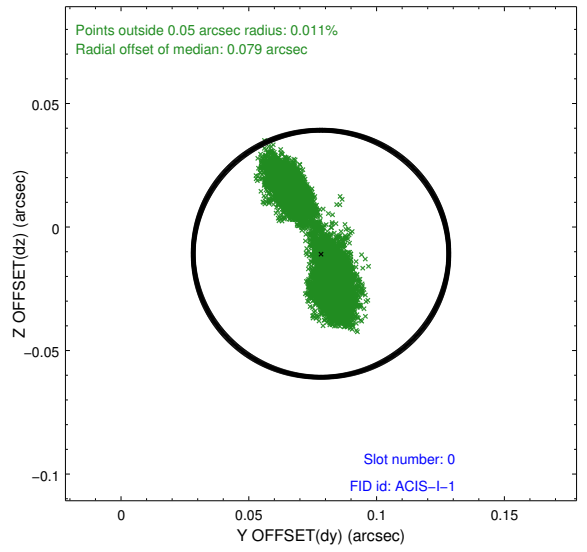
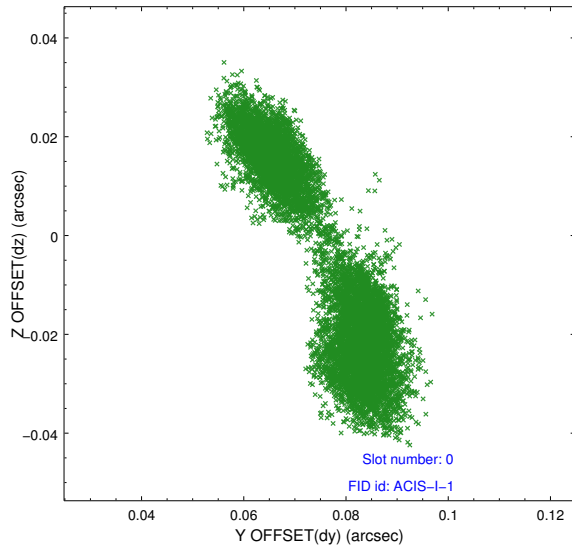


2.4.5 Slot 7

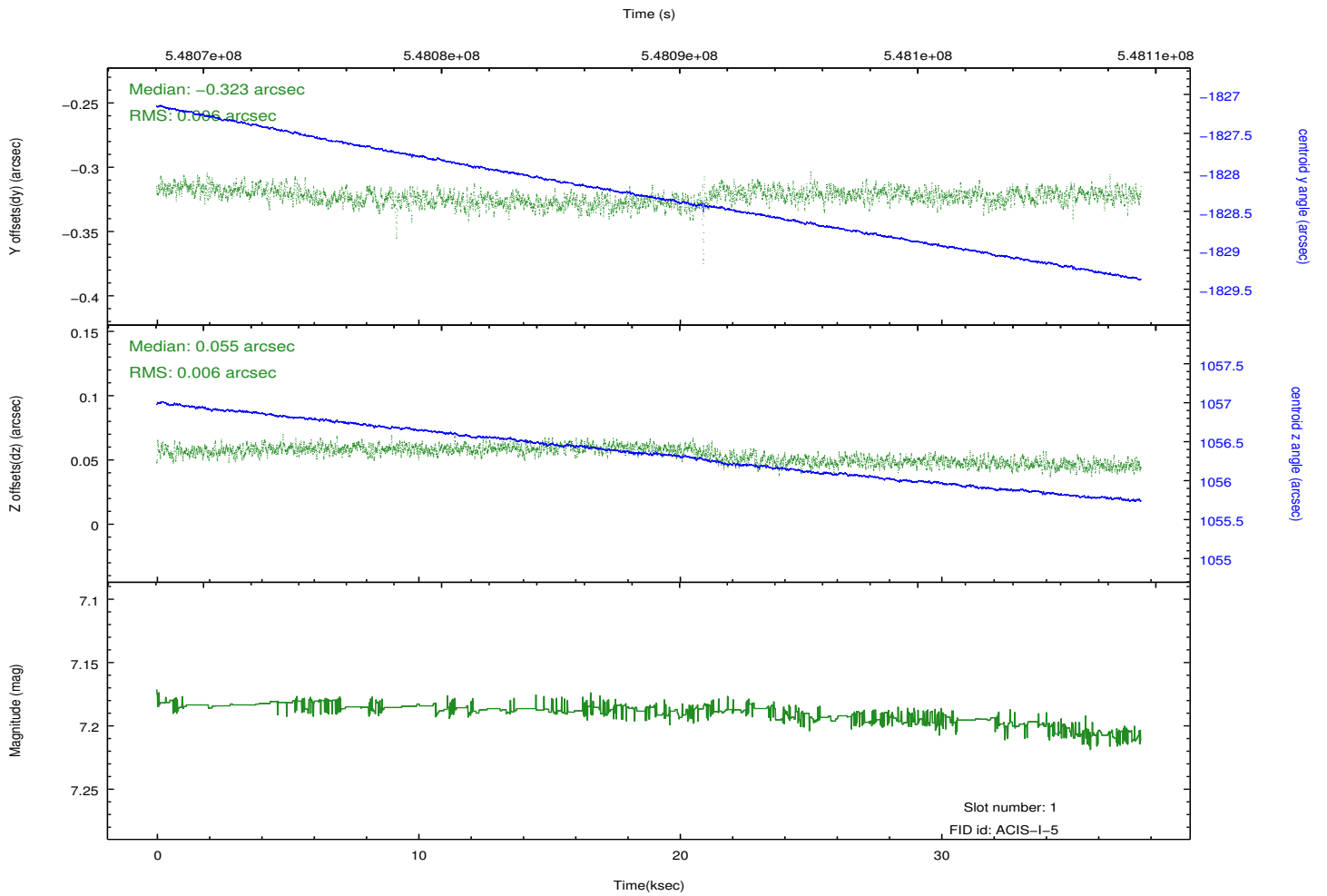
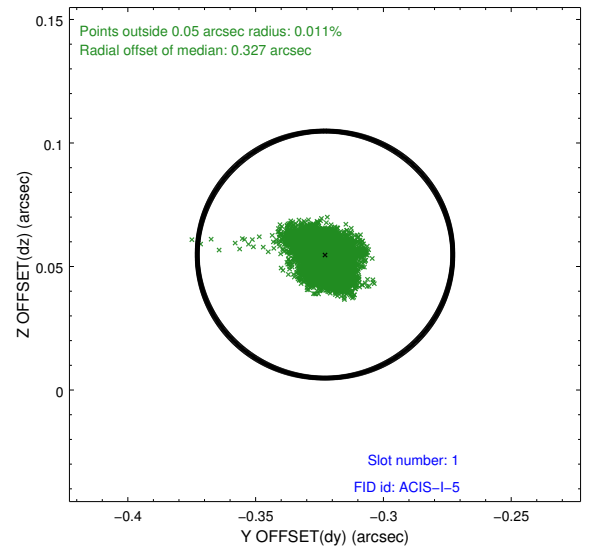
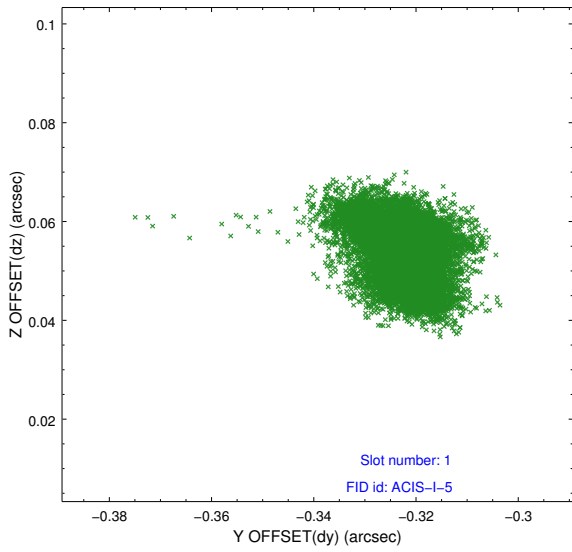


2.5 FID Slots

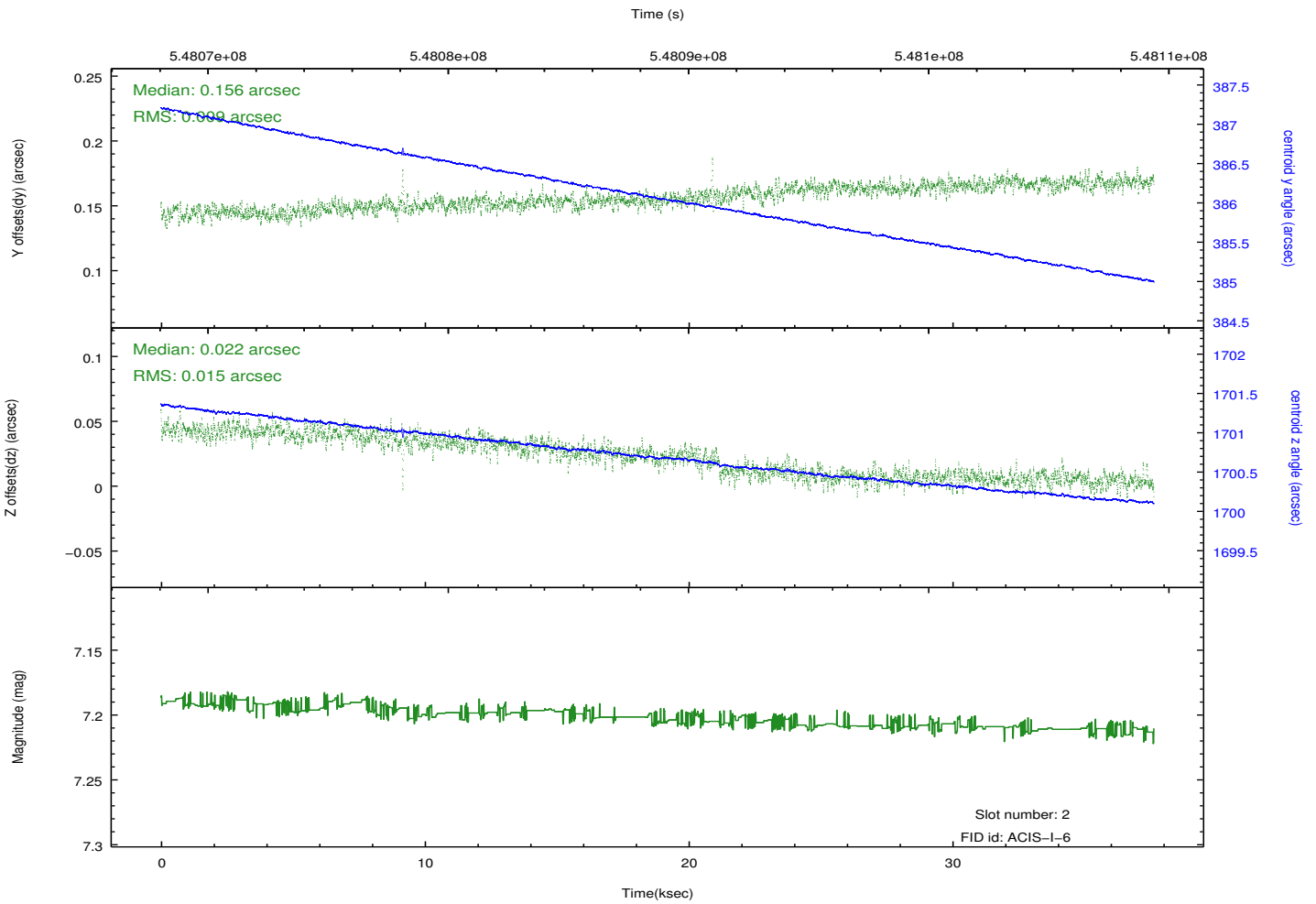
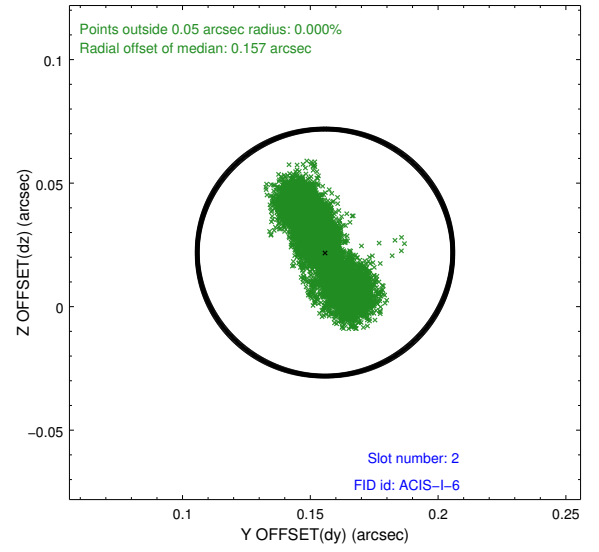
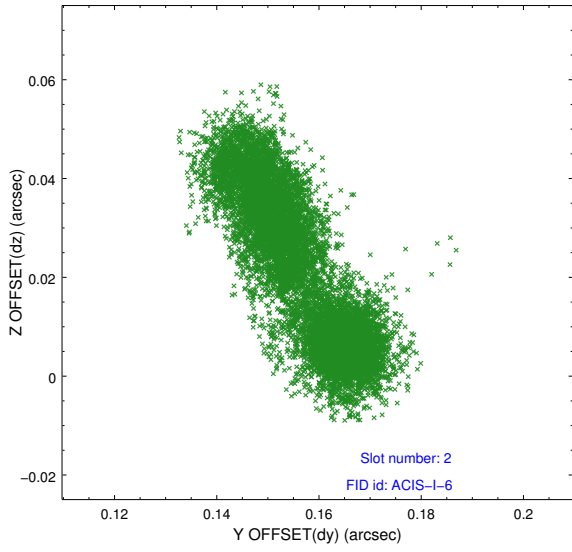
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2015.05.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	37.23261745894

A.2 Comments