

V&V Reference Report

L2 ASCDS Version : 10.3.1

Observation 16687 - L2 Version 1
Chandra X-Ray Center

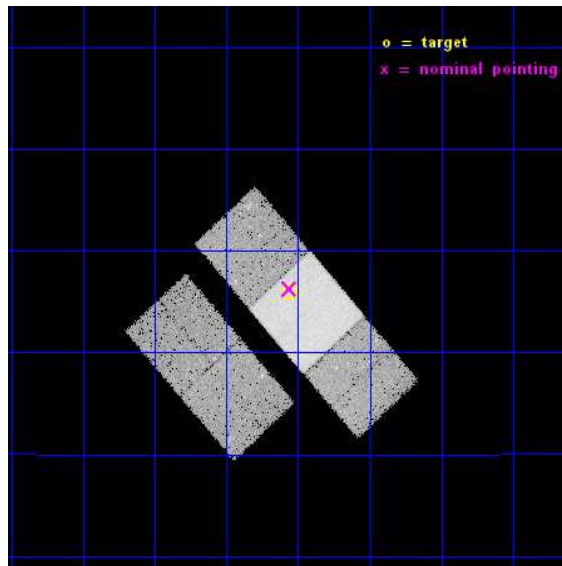
L2 Processing Date : Dec 29 2014

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1 Front

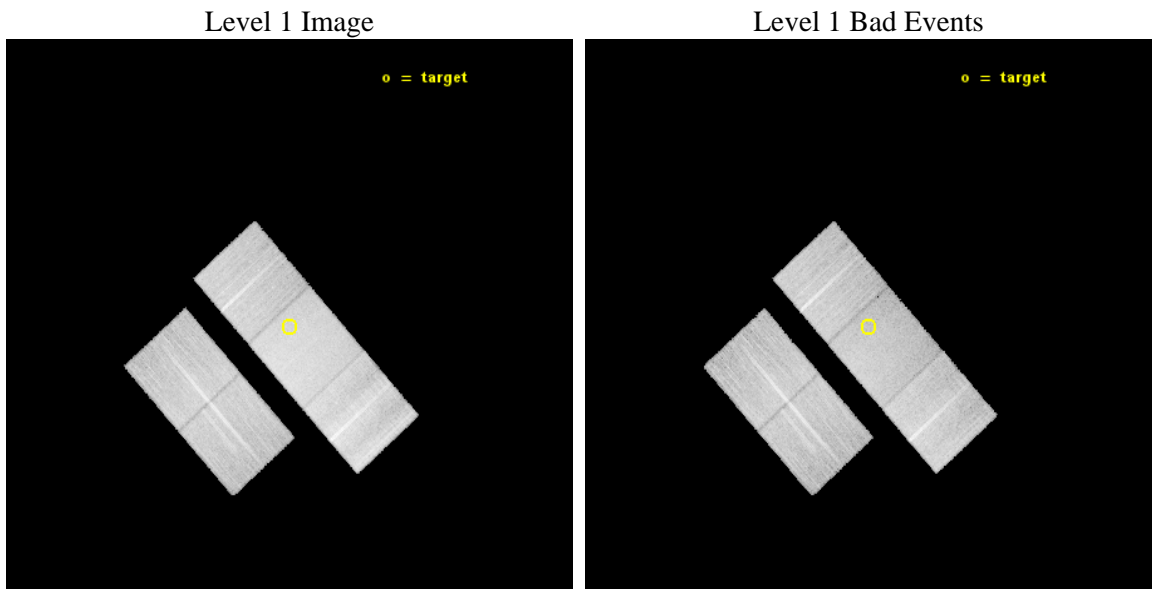
seq_num	300331	Sequence number
obs_id	16687	Observation id
title	Extremely Low-Mass White Dwarfs with Massive Companions	Proposal t
observer	Dr. Mukremin Kilic	Principal investigator
object	SDSS J081133.56+022556.8	Source name
dtycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	122.89	Observer's specified target RA [deg]
dec_targ	2.432444	Observer's specified target Dec [deg]
ra_nom	122.89025684595	Nominal RA [deg]
dec_nom	2.4378646488917	Nominal Dec [deg]
roll_nom	48.183509185091	Nominal Roll [deg]
revision	1	Processing version of data
ontime	33067.700254321	Sum of GTIs [s]
liveltime	32635.646406412	Livetime [s]
ontime2	33067.700254321	Sum of GTIs [s]
ontime3	33067.700254321	Sum of GTIs [s]
ontime6	33067.700254321	Sum of GTIs [s]
ontime7	33067.700254321	Sum of GTIs [s]
ontime8	33067.700254321	Sum of GTIs [s]
l2events	155737	Number of level 2 events



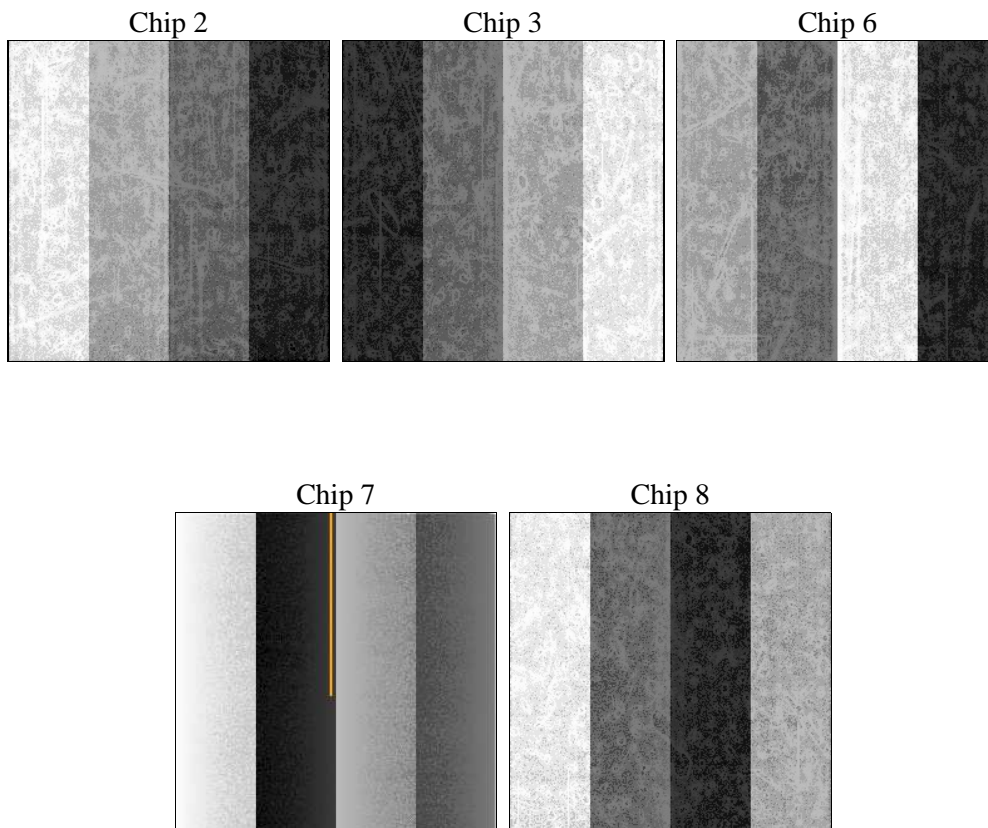
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	33000.000000	[s] Scheduled observation exposure time
ascdsver	10.3.1	Processing system revision	ontime	33067.700254321	Sum of GTIs [s]
caldbver	4.6.5	 	ontime2	33067.700254321	Sum of GTIs [s]
date	2014-12-29T05:05:26	Date and time of file creation	ontime3	33067.700254321	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	33067.700254321	Sum of GTIs [s]
			ontime7	33067.700254321	Sum of GTIs [s]
			ontime8	33067.700254321	Sum of GTIs [s]
			l1events	890037	Number of level 1 events

2.1.4 Events

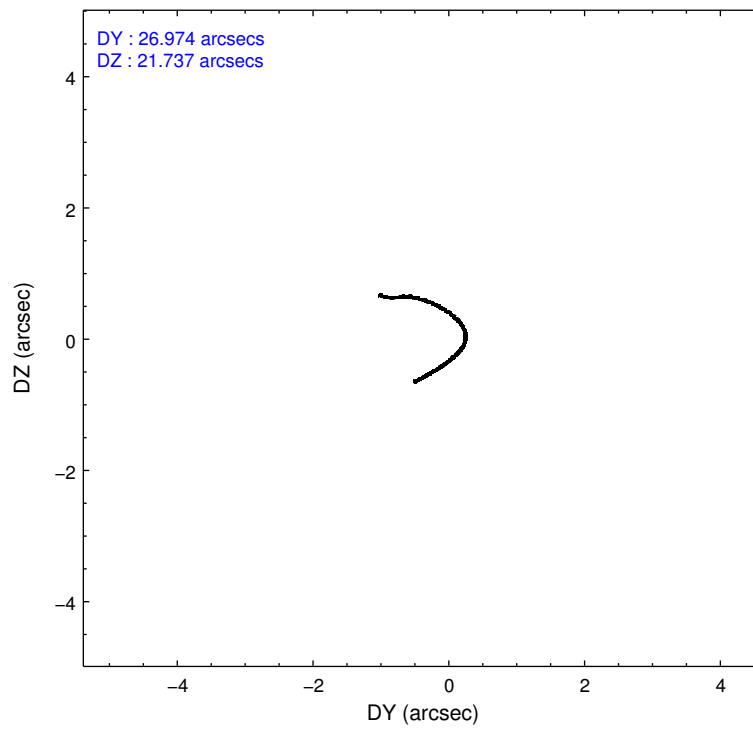
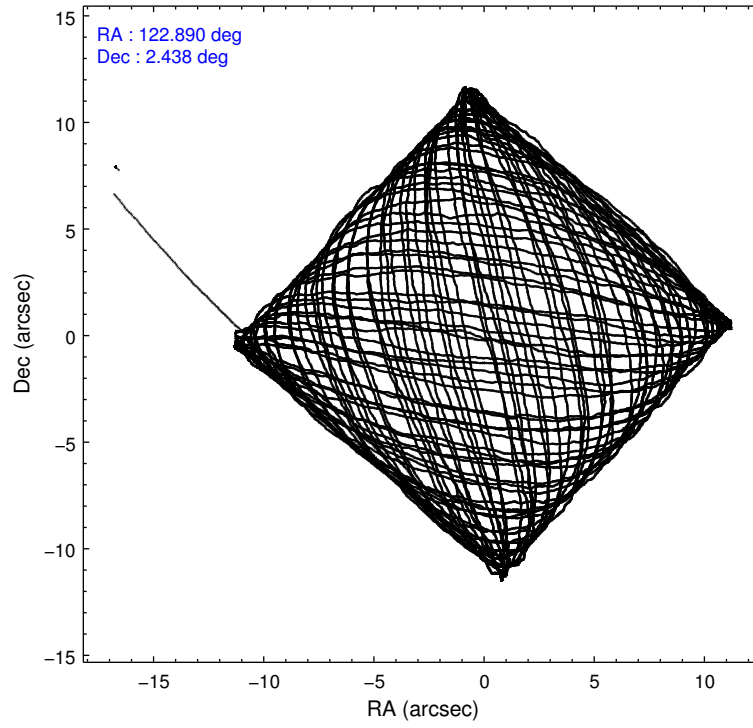
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	152877	149814	158632	213349	215365
rejected events	135217	132462	139053	121353	156564
rejected %	88%	88%	87%	56%	72%

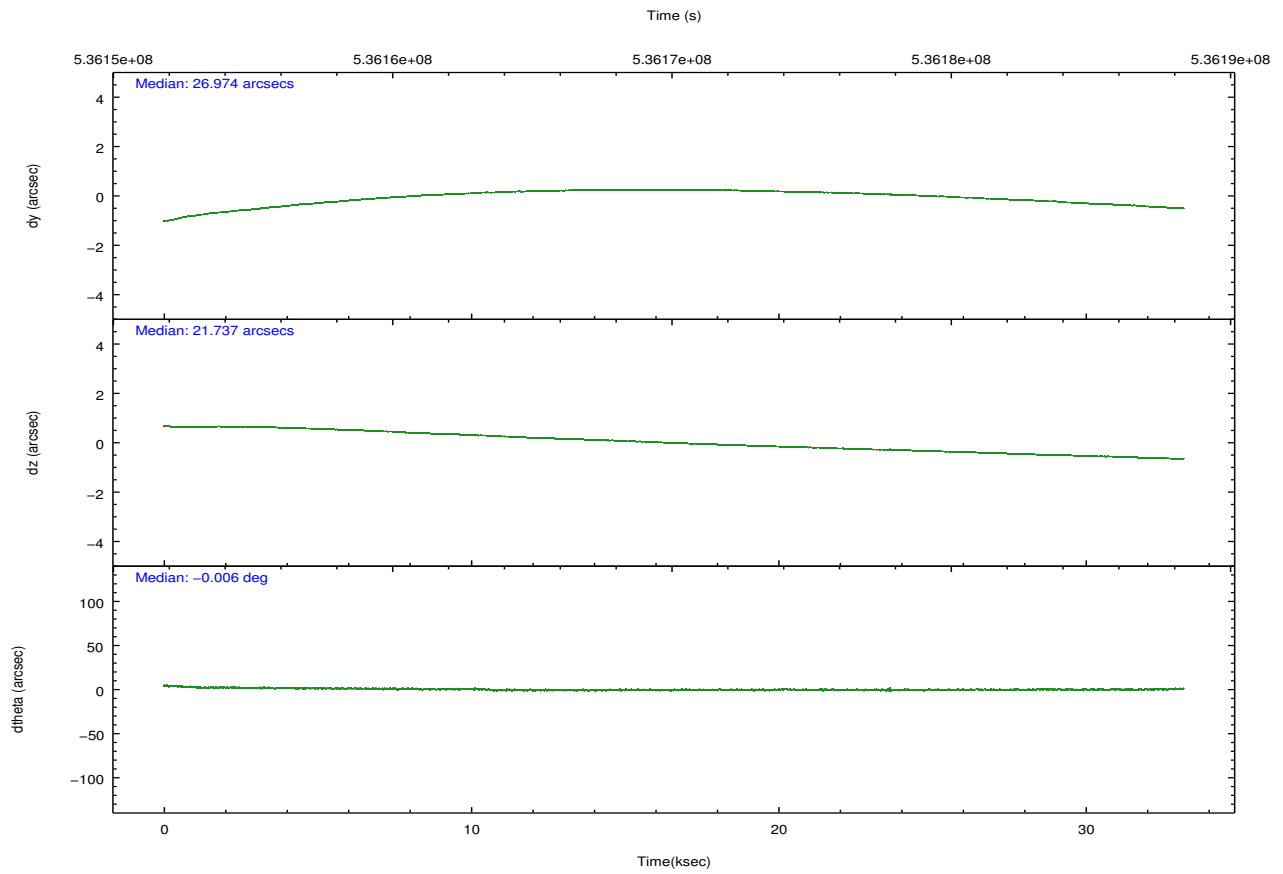
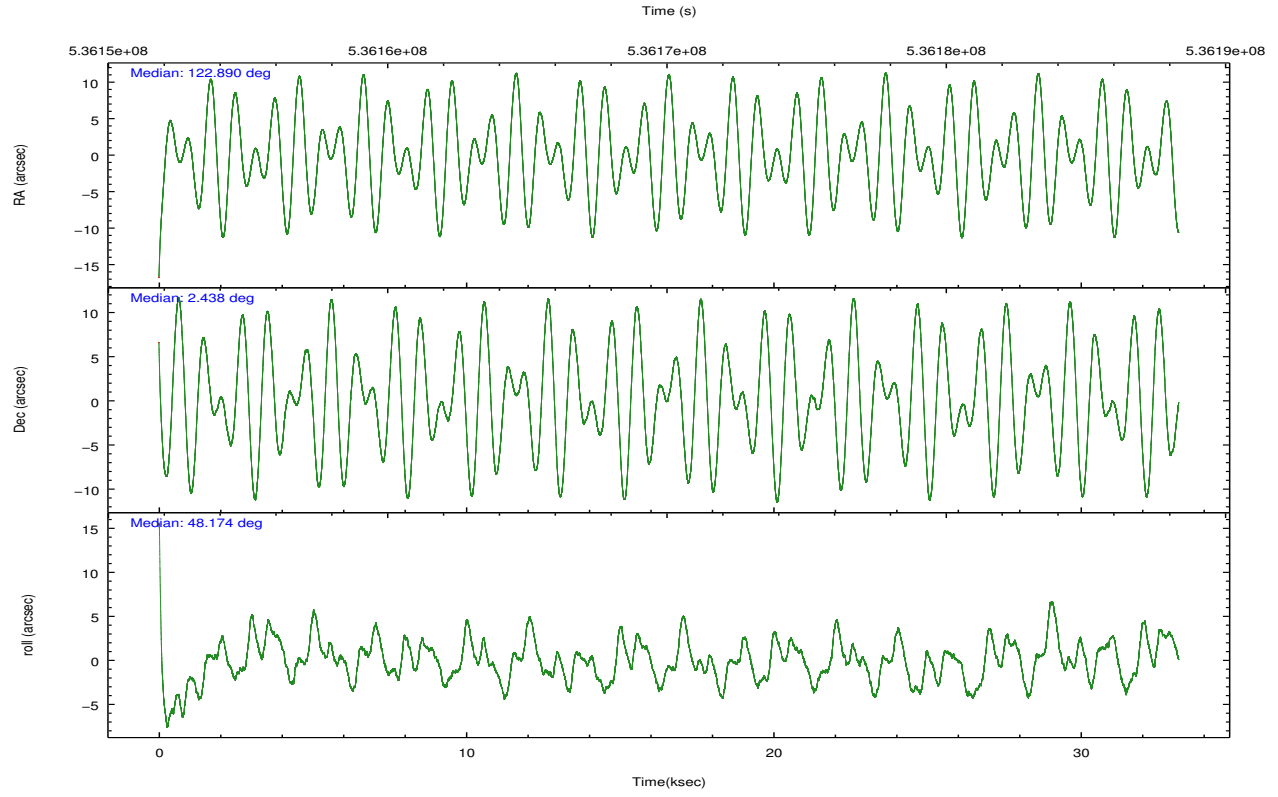
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	6224	5975	6643	7907	16126
	4%	3%	4%	3%	7%
grade 1 events	91	84	78	245	155
	0%	0%	0%	0%	0%
grade 2 events	4265	3930	4491	18737	14130
	2%	2%	2%	8%	6%
grade 3 events	1829	1833	2021	7746	6216
	1%	1%	1%	3%	2%
grade 4 events	1860	1817	1955	7750	5905
	1%	1%	1%	3%	2%
grade 5 events	6980	8231	8409	21721	12014
	4%	5%	5%	10%	5%
grade 6 events	3483	3798	4471	49865	16426
	2%	2%	2%	23%	7%
grade 7 events	128145	124146	130564	99378	144393
	83%	82%	82%	46%	67%

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	122.884994	122.8902568459516	CCD I2 on	O2	Y
[deg] Pointing Dec	2.410934	2.437864648891709	CCD I3 on	O1	Y
[deg] Pointing Roll	48.027099	48.18350918509074	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	O3	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	O4	Y
[s] Observation start time (MET)	536153642.184000	536152513.15996	CCD S5 on	N	N
Observation start date	2014-12-28T11:32:55	2014-12-28T11:15:13	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	536186642.184000	536187016.71188	On-chip summing requested	N	N
Observation end date	2014-12-28T20:42:55	2014-12-28T20:50:16	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect





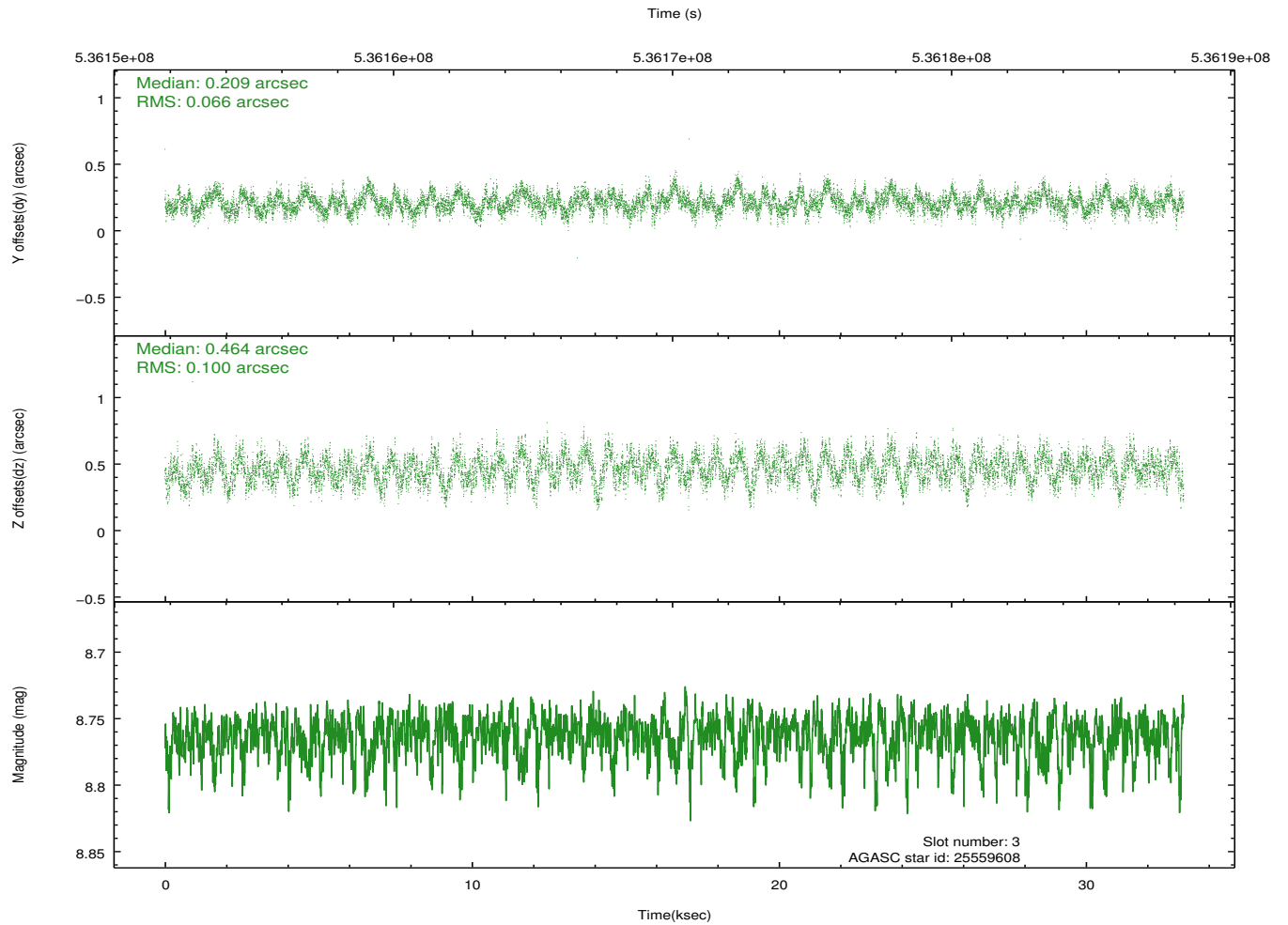
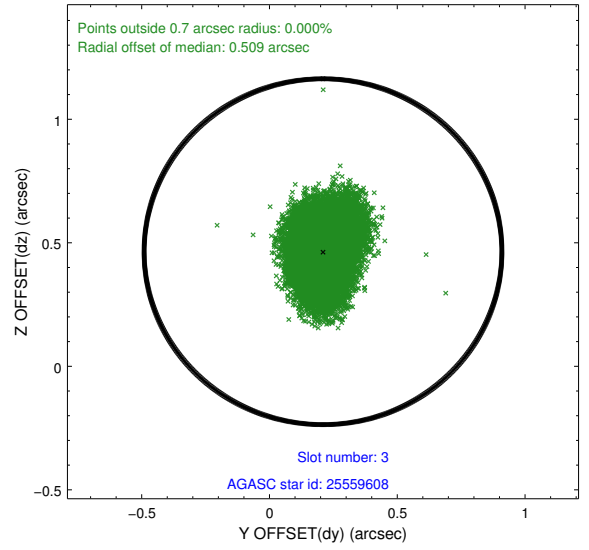
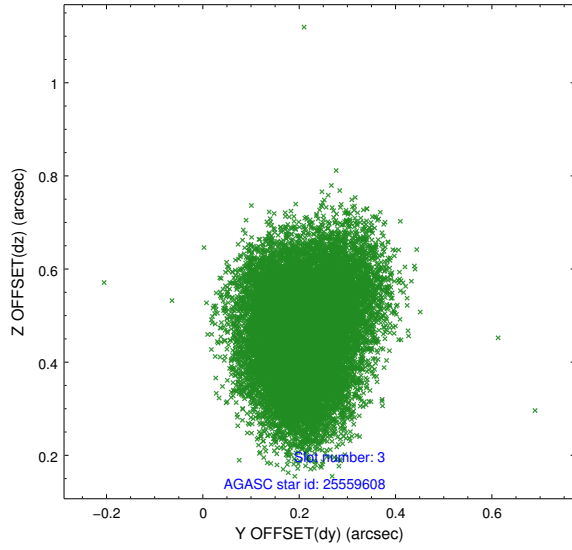
Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.08	8094	0.102	-0.075	0.014	0.030	0.000000	0.000000	915.98	-1738.96
1	FID		ACIS-S-5	7.10	8092	-0.210	0.053	0.017	0.031	0.000000	0.000000	-1833.32	158.63
2	FID		ACIS-S-6	7.21	8093	0.087	0.033	0.021	0.037	0.000000	0.000000	381.42	802.66
3	GUIDE	used	25559608	8.76	16184	0.209	0.464	0.128	0.207	123.244953	1.841323	-657.28	-2333.61
4	GUIDE	used	26086824	9.55	16173	-0.109	0.342	0.194	0.300	123.510758	2.239420	1047.38	-2085.55
5	GUIDE	used	26086960	6.86	16188	-0.255	-0.746	0.100	0.149	122.668200	2.949476	919.27	1875.94
6	GUIDE	used	26087696	8.12	16179	0.008	0.025	0.096	0.149	123.056433	2.289216	86.60	-750.69
7	GUIDE	used	26092464	9.55	16169	0.146	-0.080	0.172	0.261	122.273816	2.412166	-1466.26	1637.58

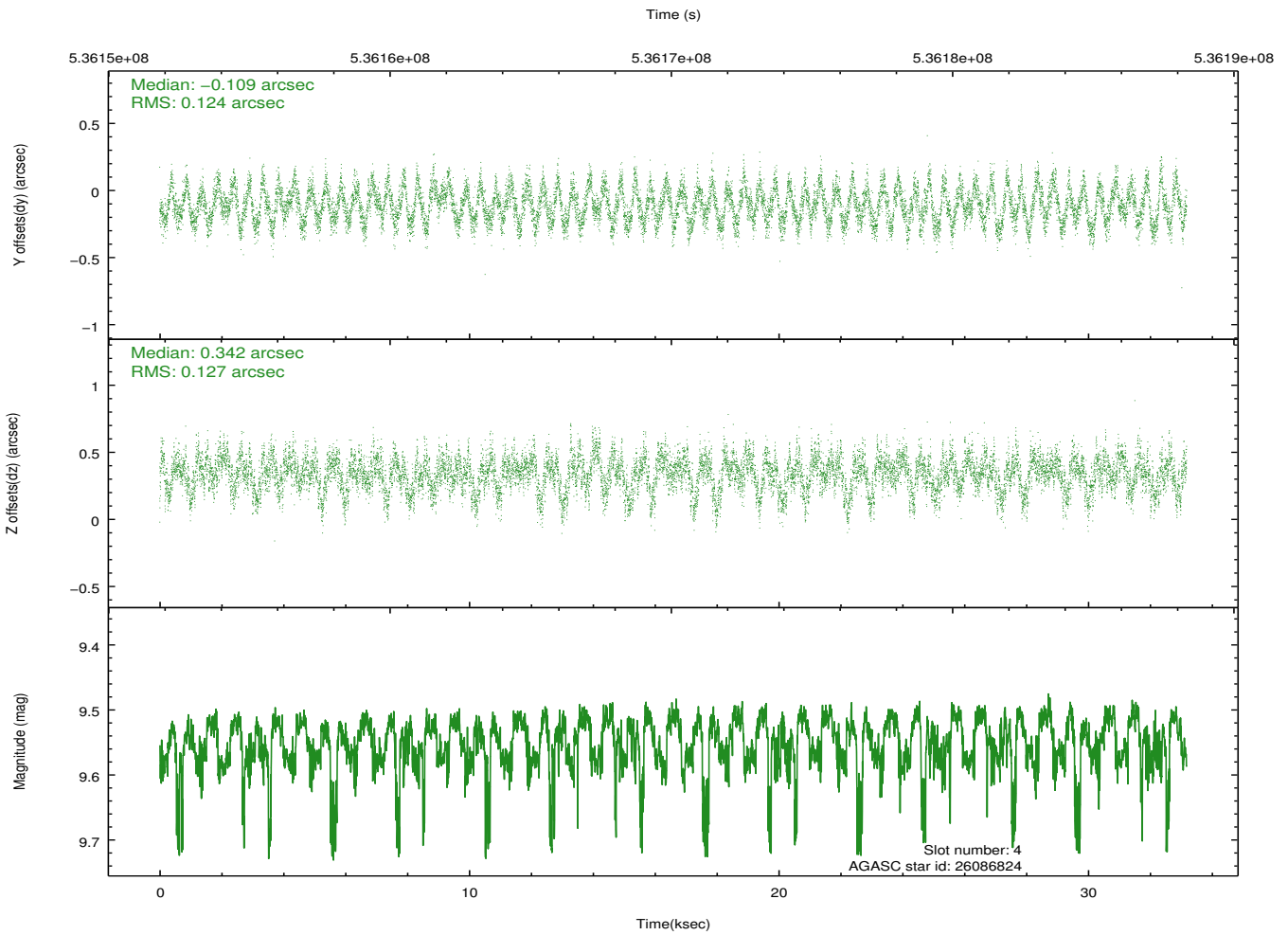
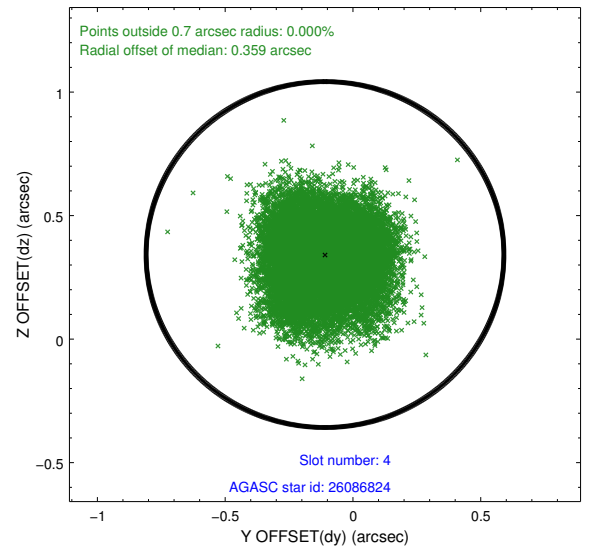
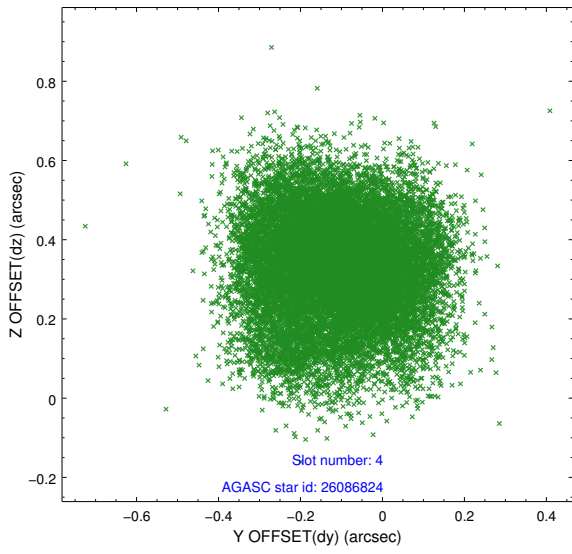
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2.4 Star Slots

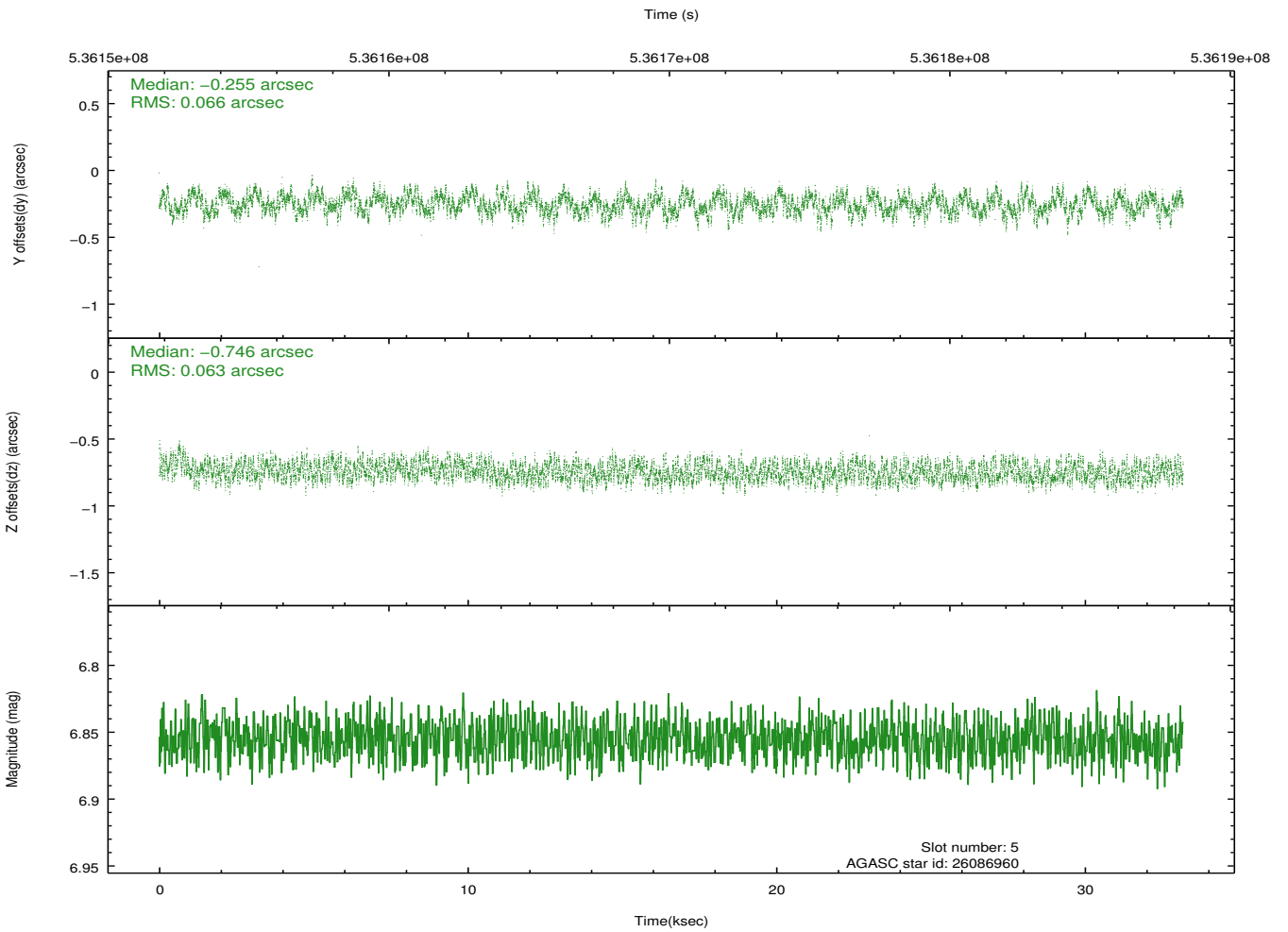
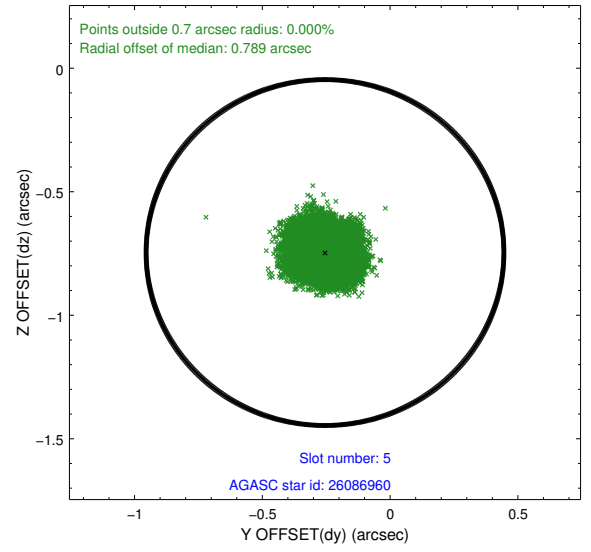
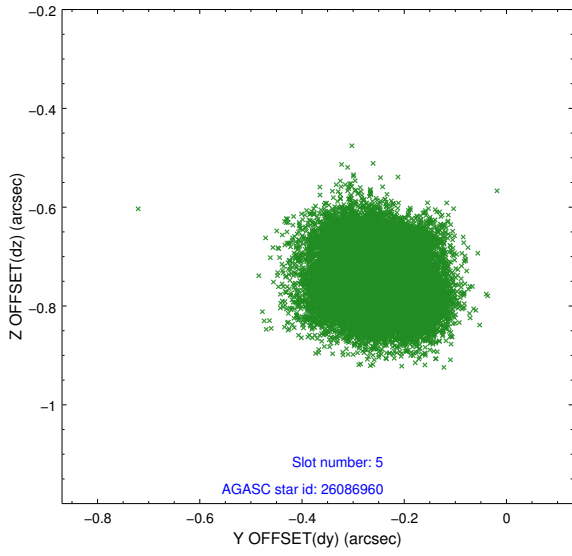
2.4.1 Slot 3



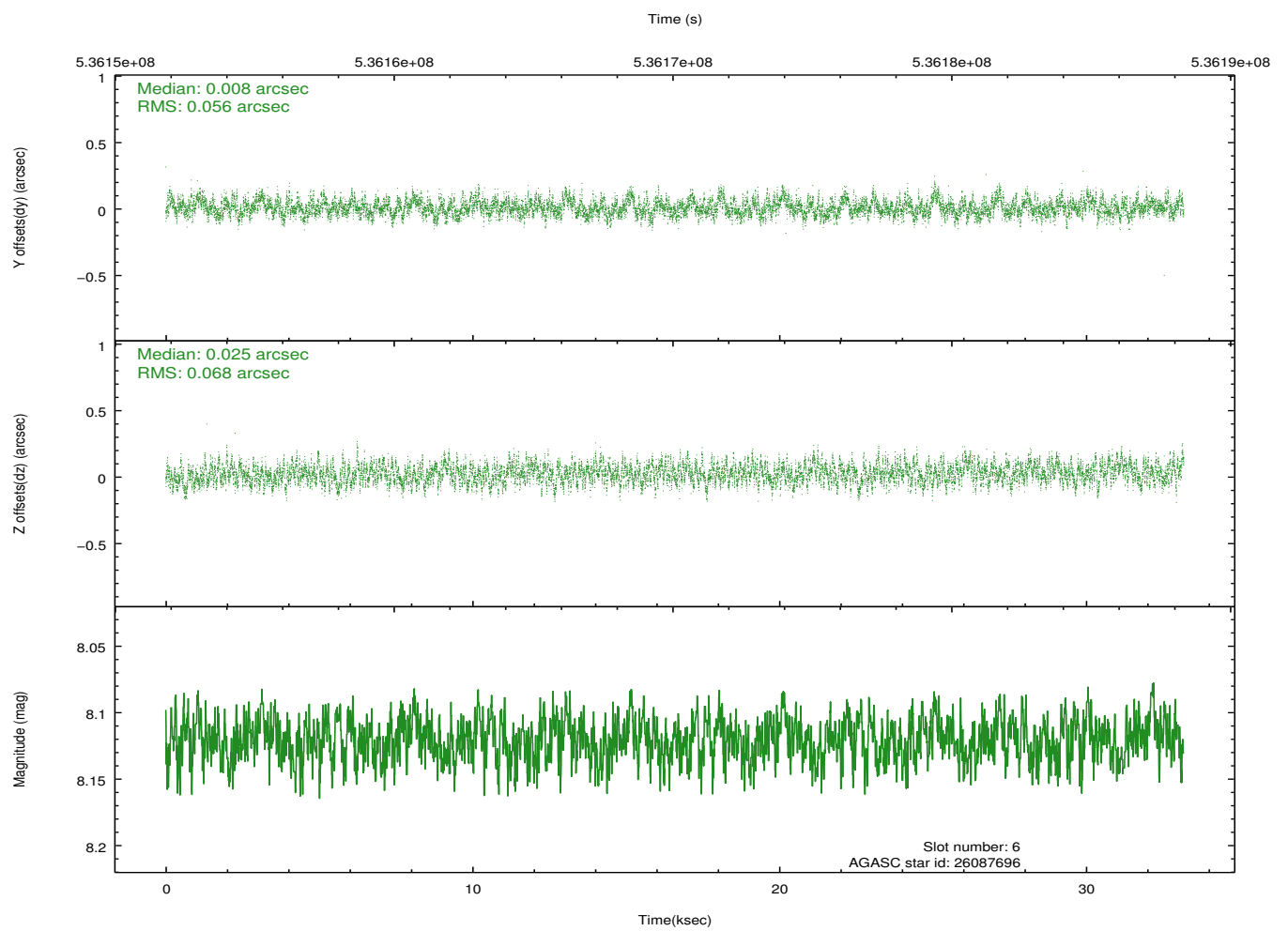
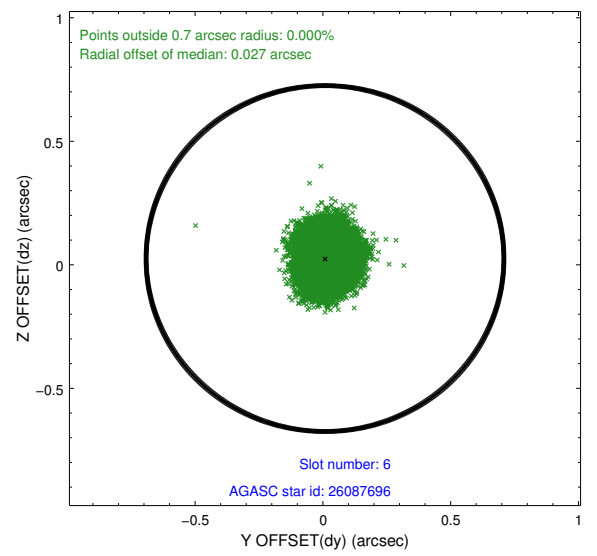
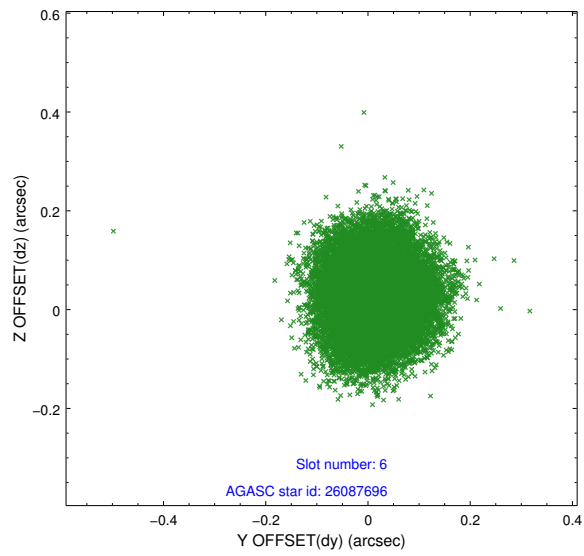
2.4.2 Slot 4



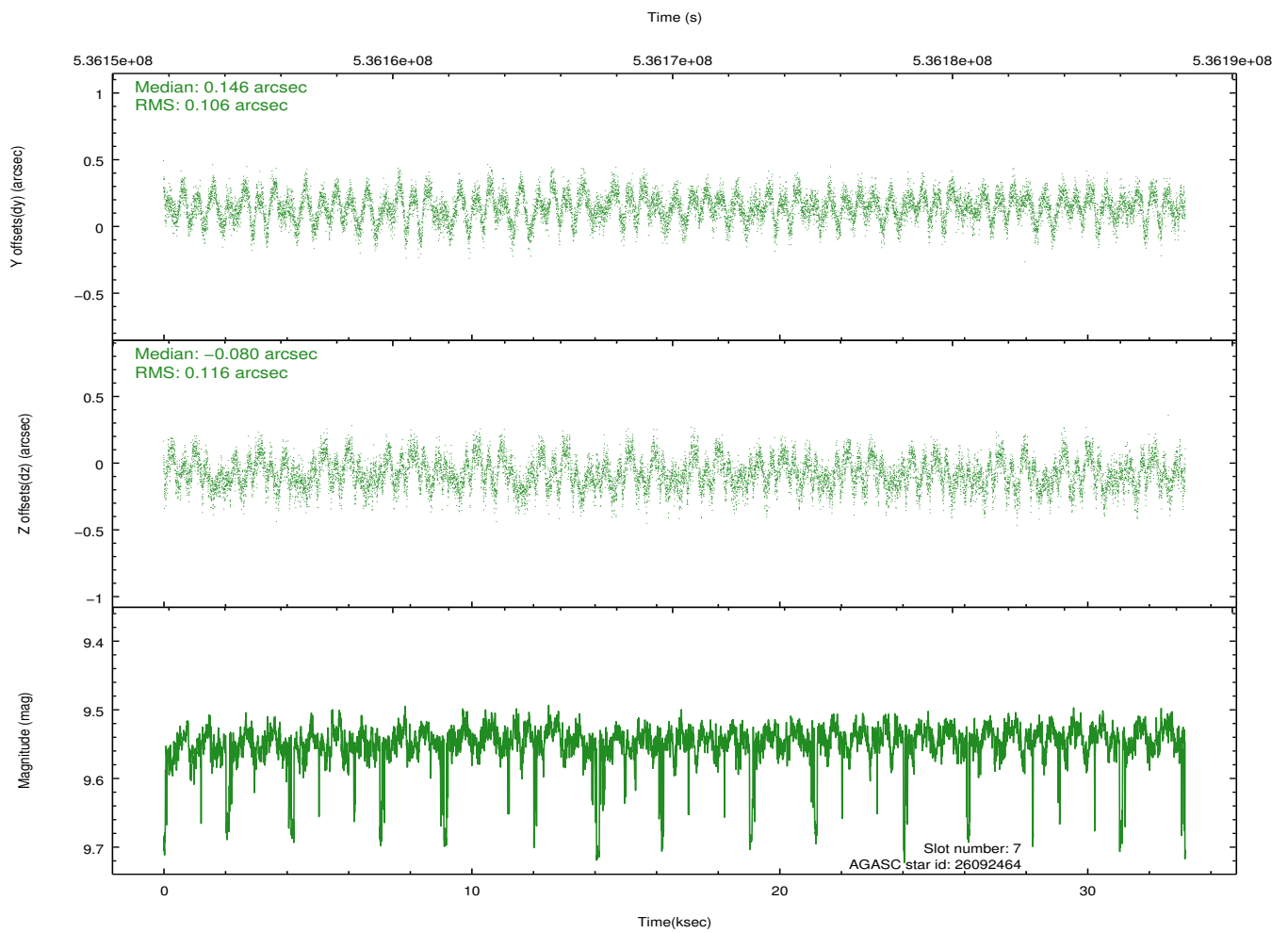
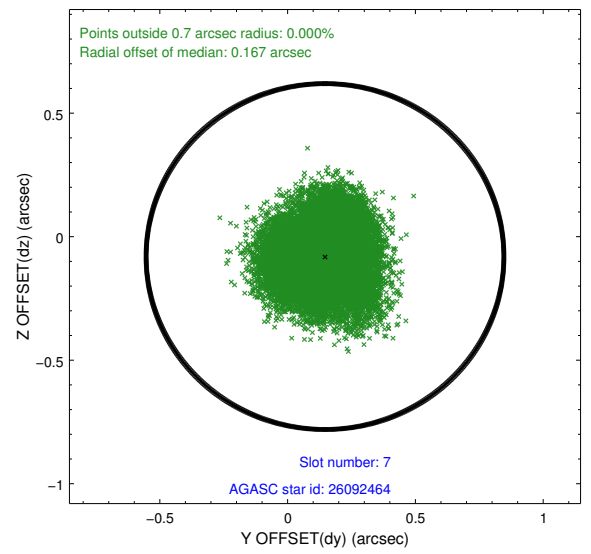
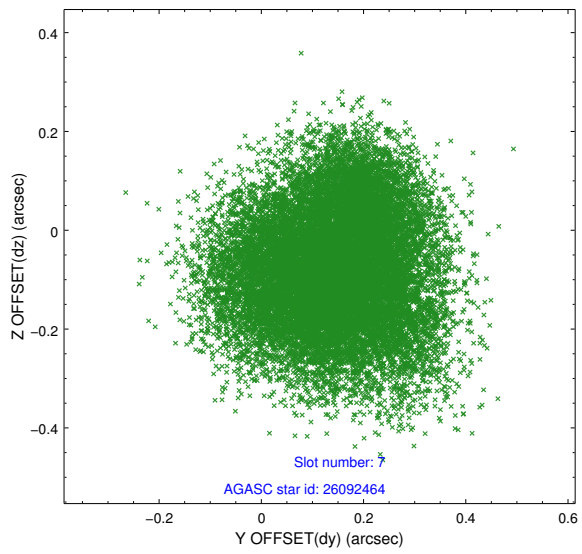
2.4.3 Slot 5



2.4.4 Slot 6

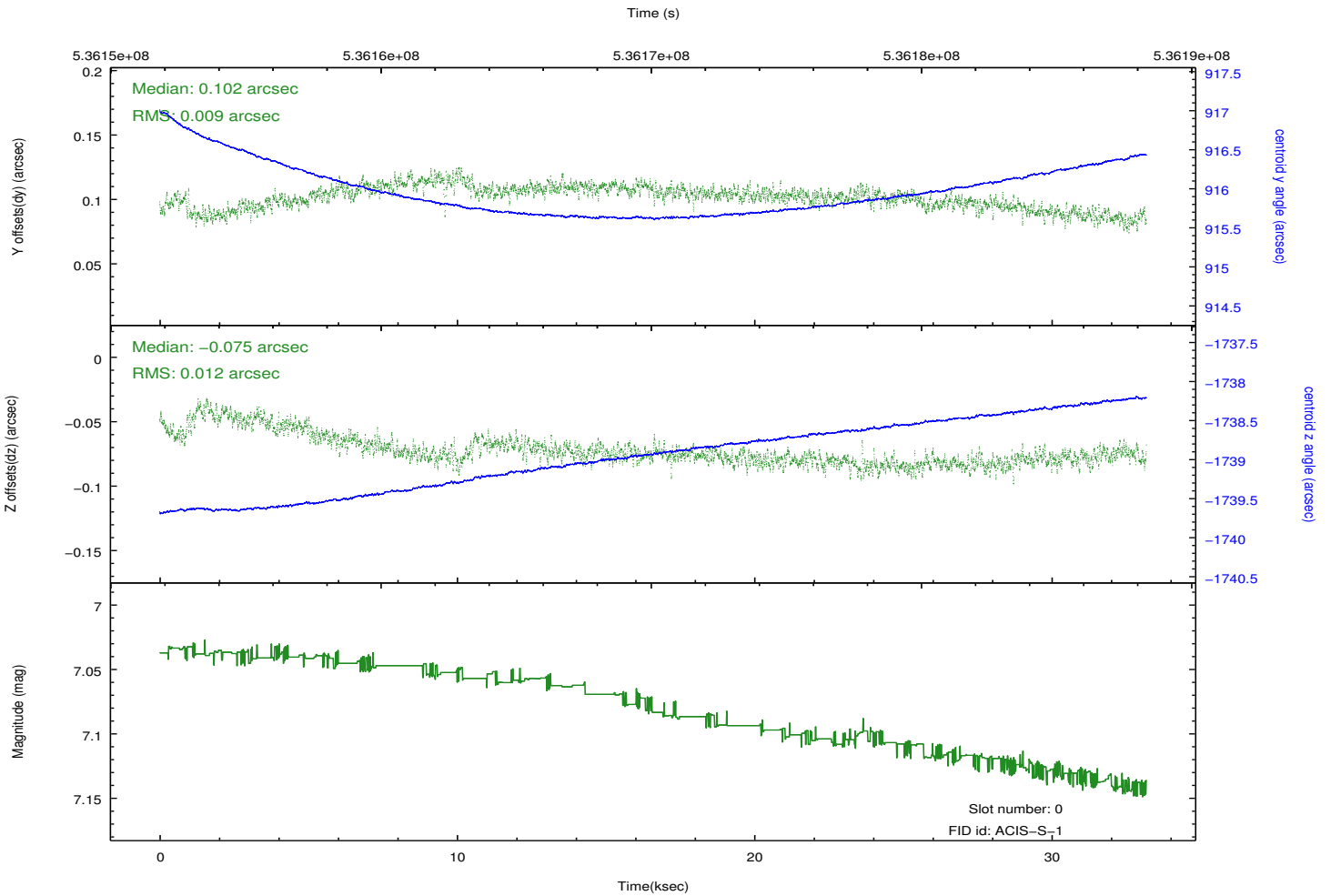
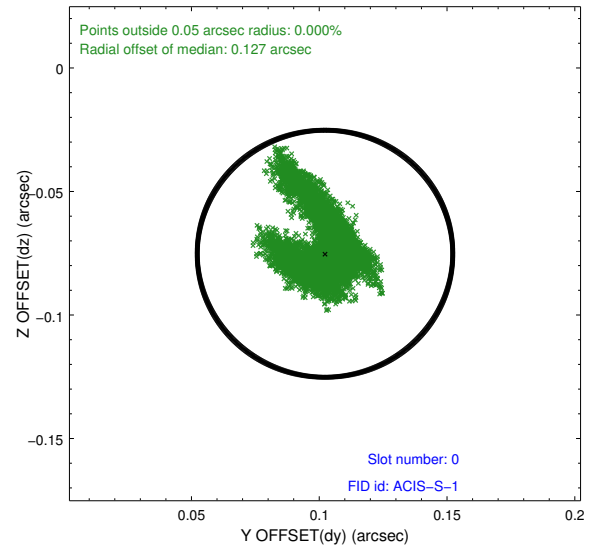
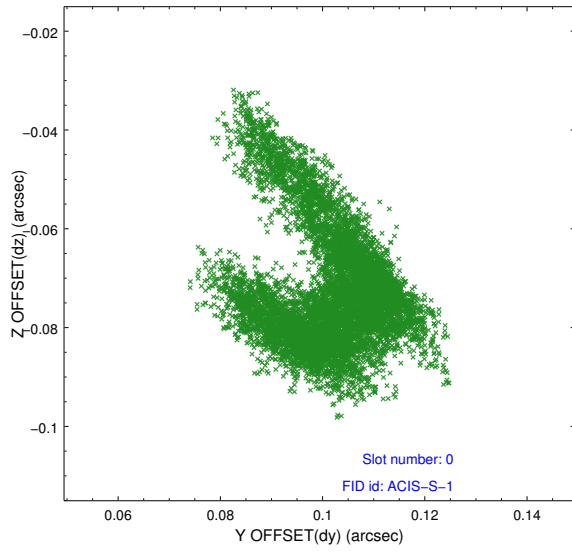


2.4.5 Slot 7

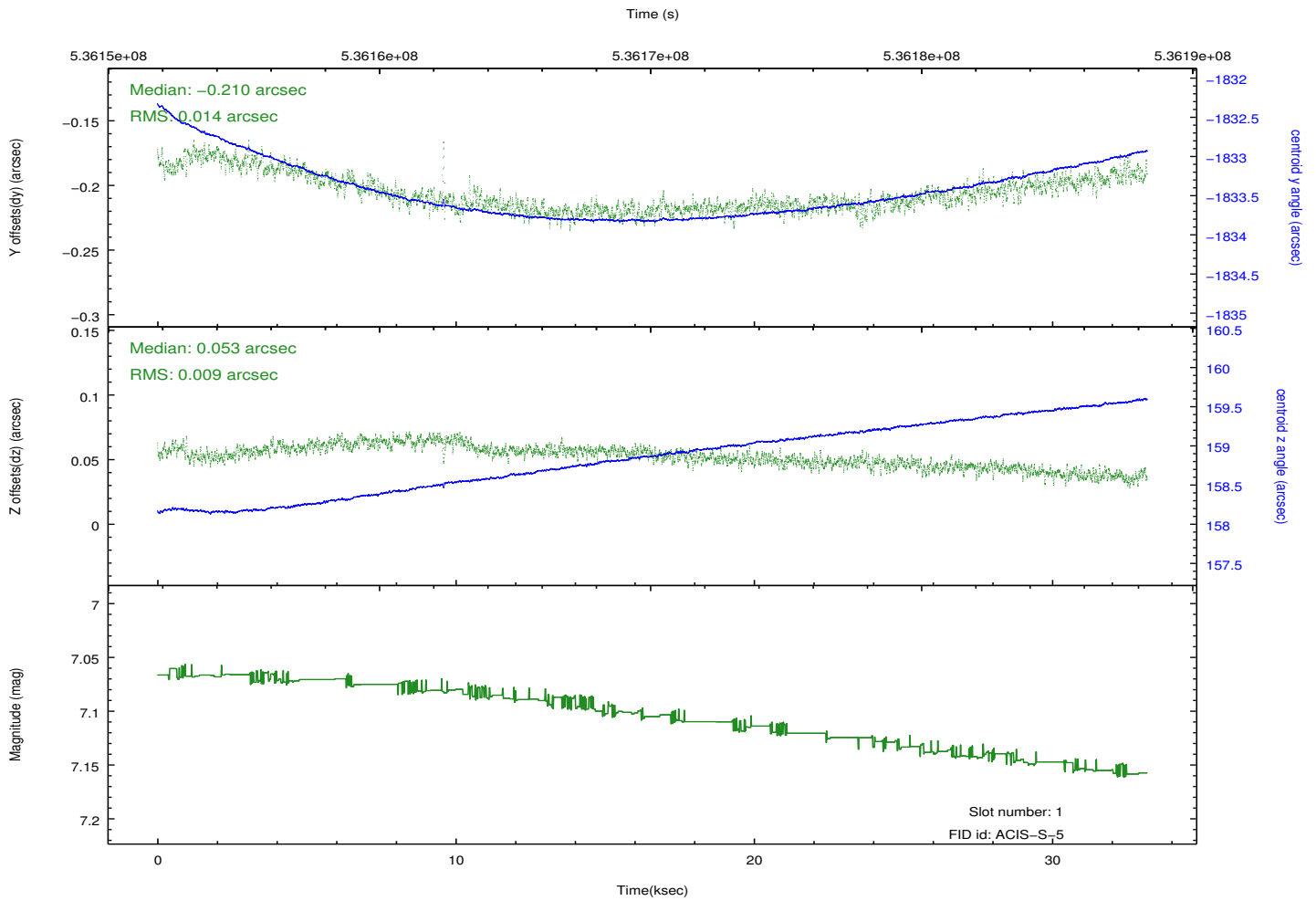
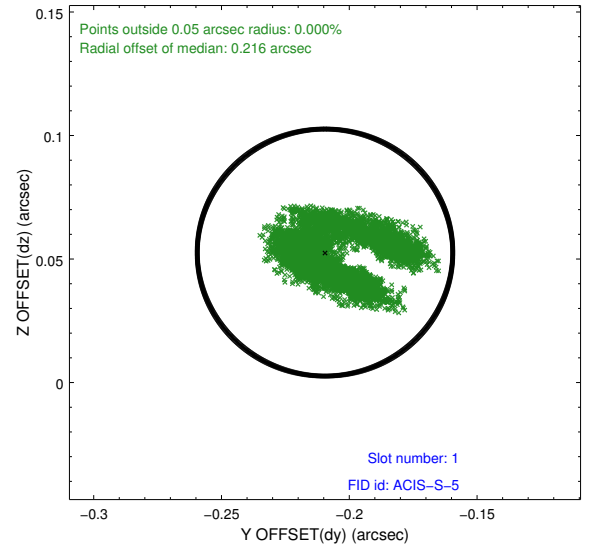
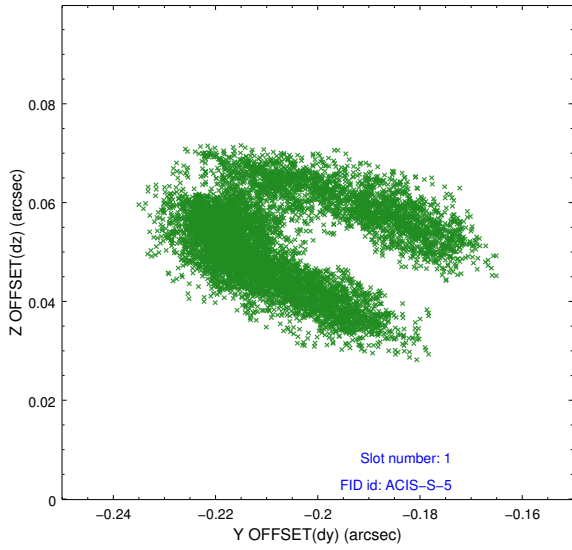


2.5 FID Slots

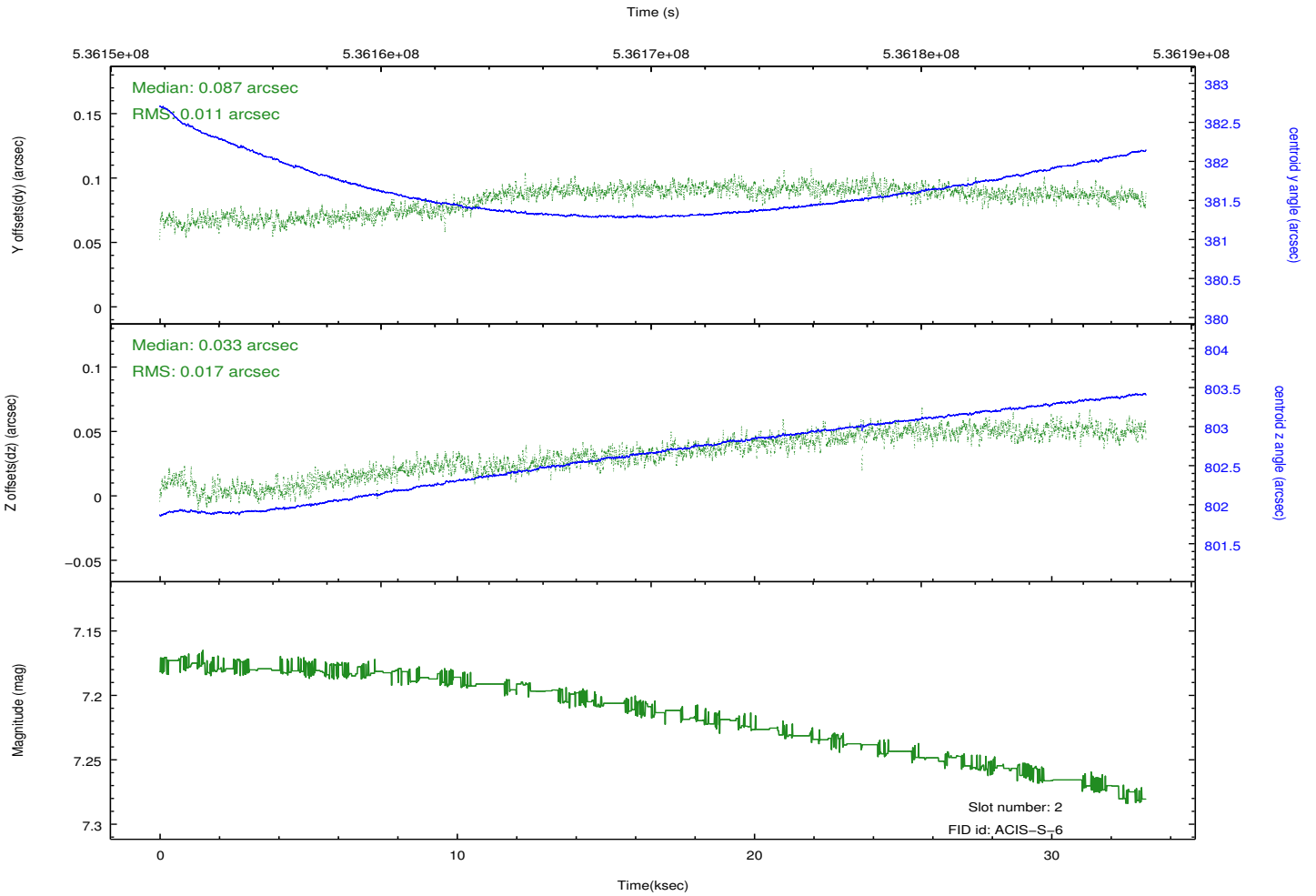
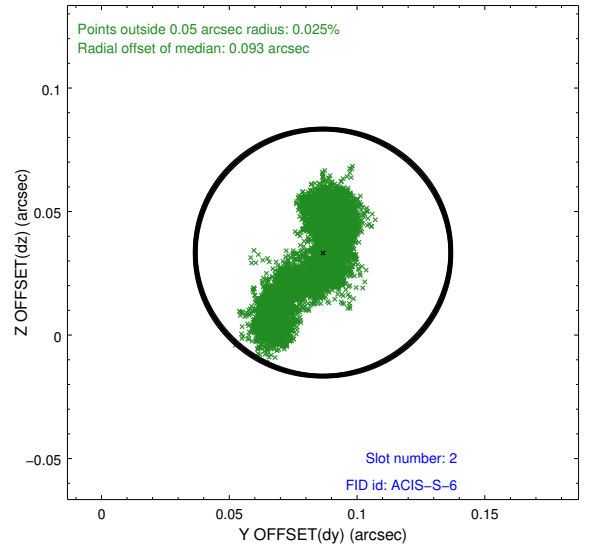
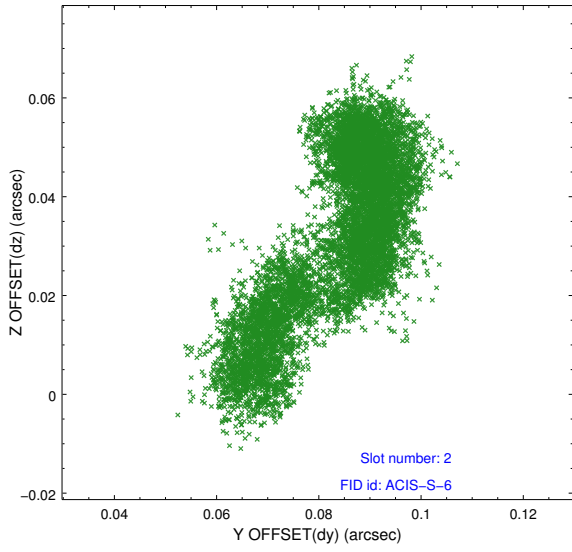
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2014.12.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	33.067700254321

A.2 Comments