

V&V Reference Report

L2 ASCDS Version : 10.3.1

Observation 16686 - L2 Version 1
Chandra X-Ray Center

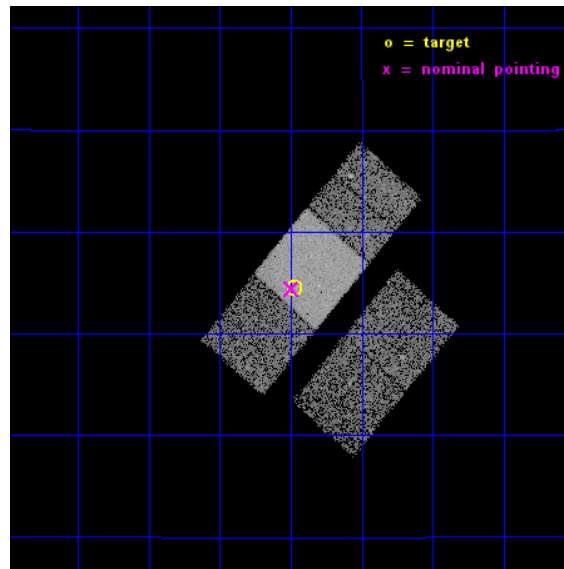
L2 Processing Date : Jan 5 2015

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1 Front

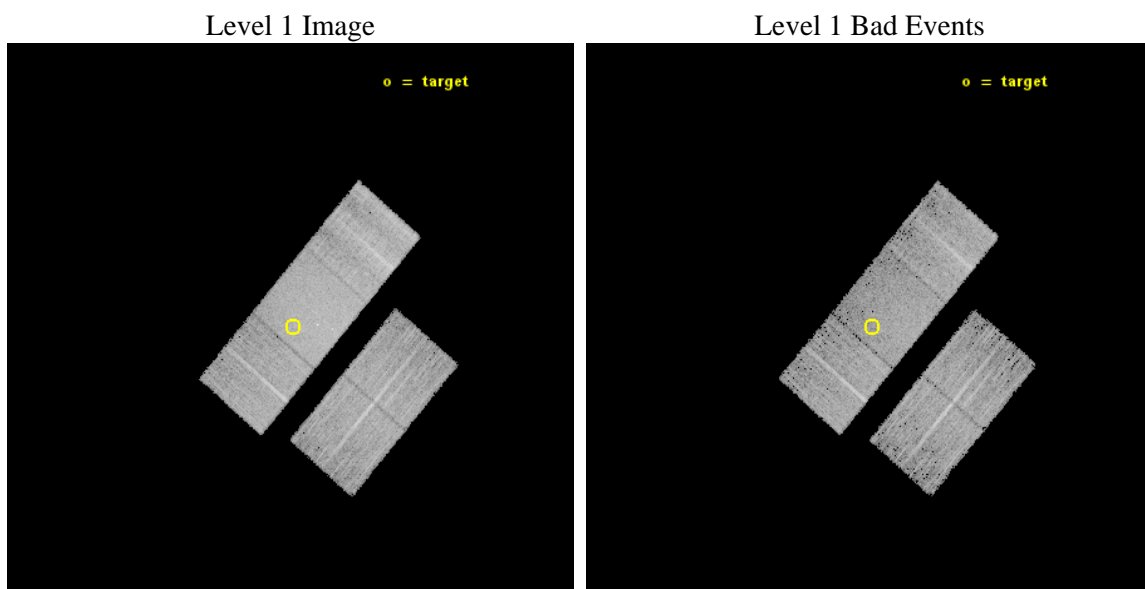
seq_num	300330	Sequence number
obs_id	16686	Observation id
title	Extremely Low-Mass White Dwarfs with Massive Companions	Proposal t
observer	Dr. Mukremin Kilic	Principal investigator
object	SDSS J213228.36+075428.2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	323.118333	Observer's specified target RA [deg]
dec_targ	7.907833	Observer's specified target Dec [deg]
ra_nom	323.12373956972	Nominal RA [deg]
dec_nom	7.9067805655734	Nominal Dec [deg]
roll_nom	310.49532362649	Nominal Roll [deg]
revision	1	Processing version of data
ontime	11766.322315991	Sum of GTIs [s]
livetime	11612.586652692	Livetime [s]
ontime2	11766.158155978	Sum of GTIs [s]
ontime3	11766.240235984	Sum of GTIs [s]
ontime6	11766.281275988	Sum of GTIs [s]
ontime7	11766.322315991	Sum of GTIs [s]
ontime8	11766.199195981	Sum of GTIs [s]
l2events	57502	Number of level 2 events



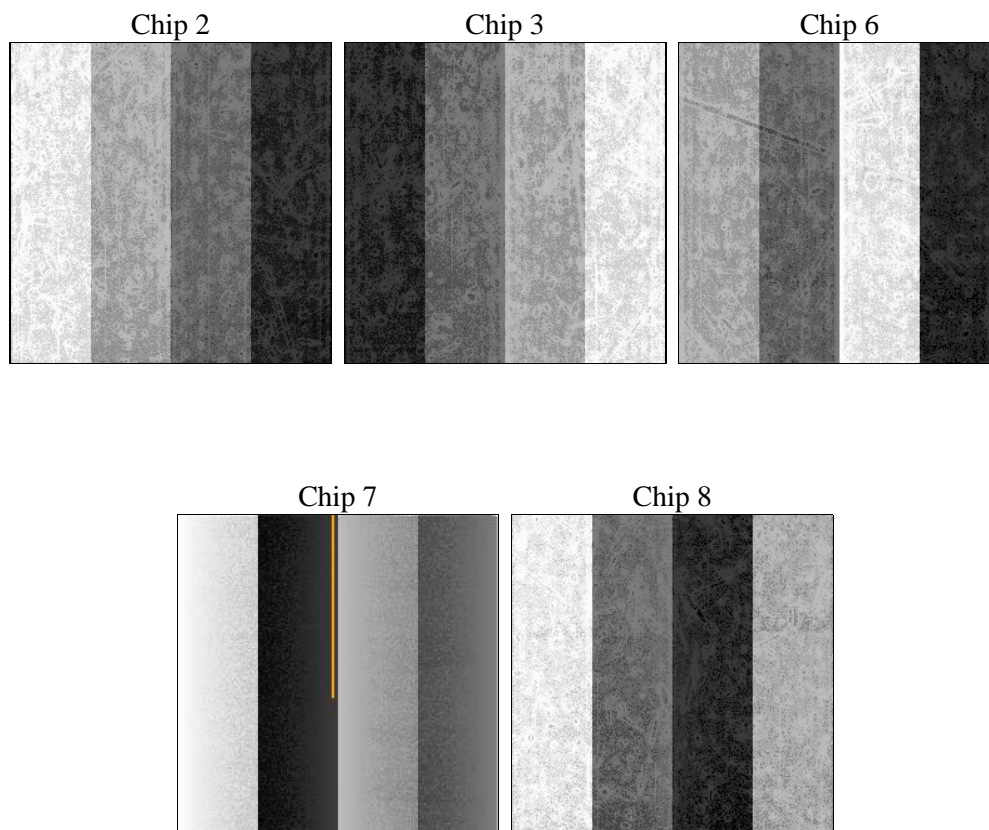
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	11700.000000	[s] Scheduled observation exposure time
ascdsver	10.3.1	Processing system revision	ontime	11766.322315991	Sum of GTIs [s]
caldsver	4.6.5	 	ontime2	11766.158155978	Sum of GTIs [s]
date	2015-01-05T06:44:58	Date and time of file creation	ontime3	11766.240235984	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	11766.281275988	Sum of GTIs [s]
			ontime7	11766.322315991	Sum of GTIs [s]
			ontime8	11766.199195981	Sum of GTIs [s]
			l1events	317341	Number of level 1 events

2.1.4 Events

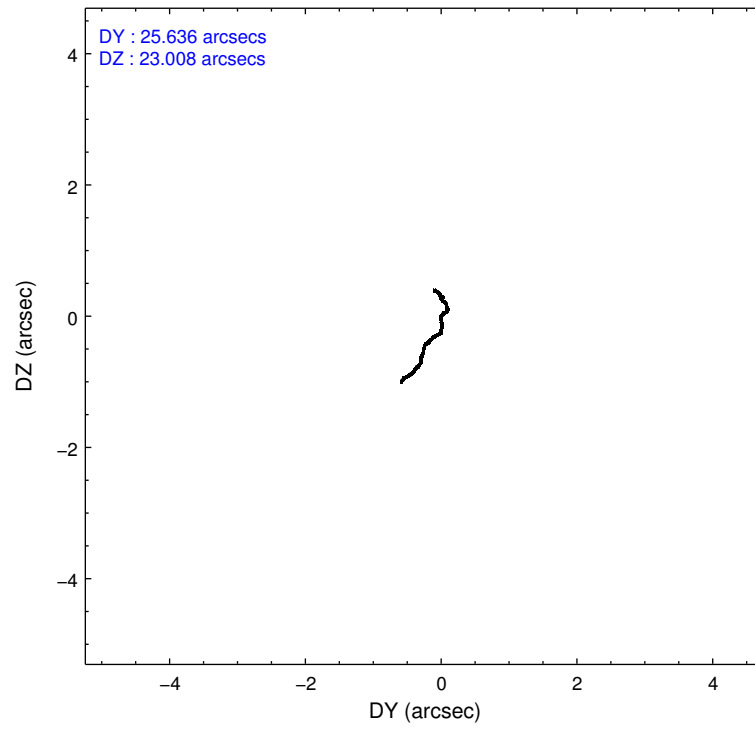
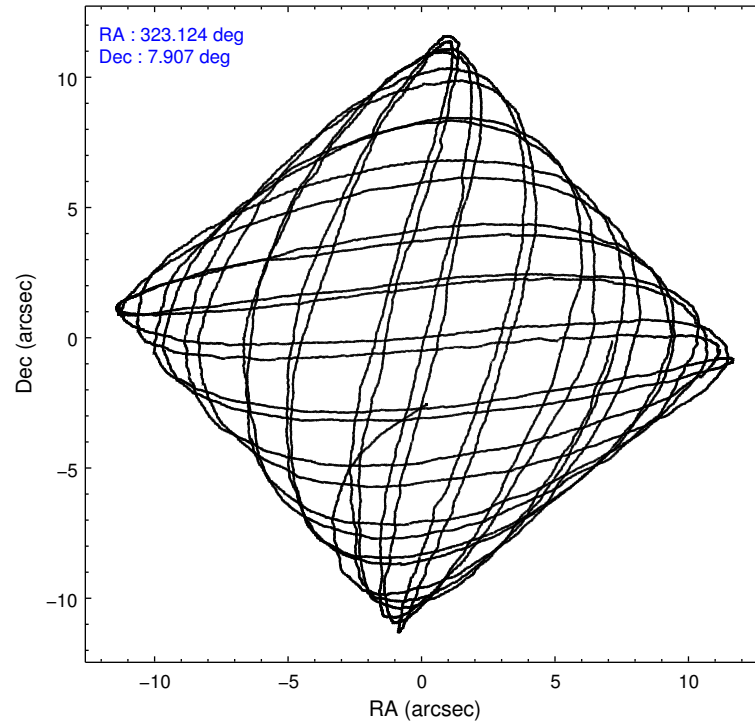
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	54553	53292	57472	77424	74600
rejected events	48210	46763	50550	43579	52966
rejected %	88%	87%	87%	56%	71%

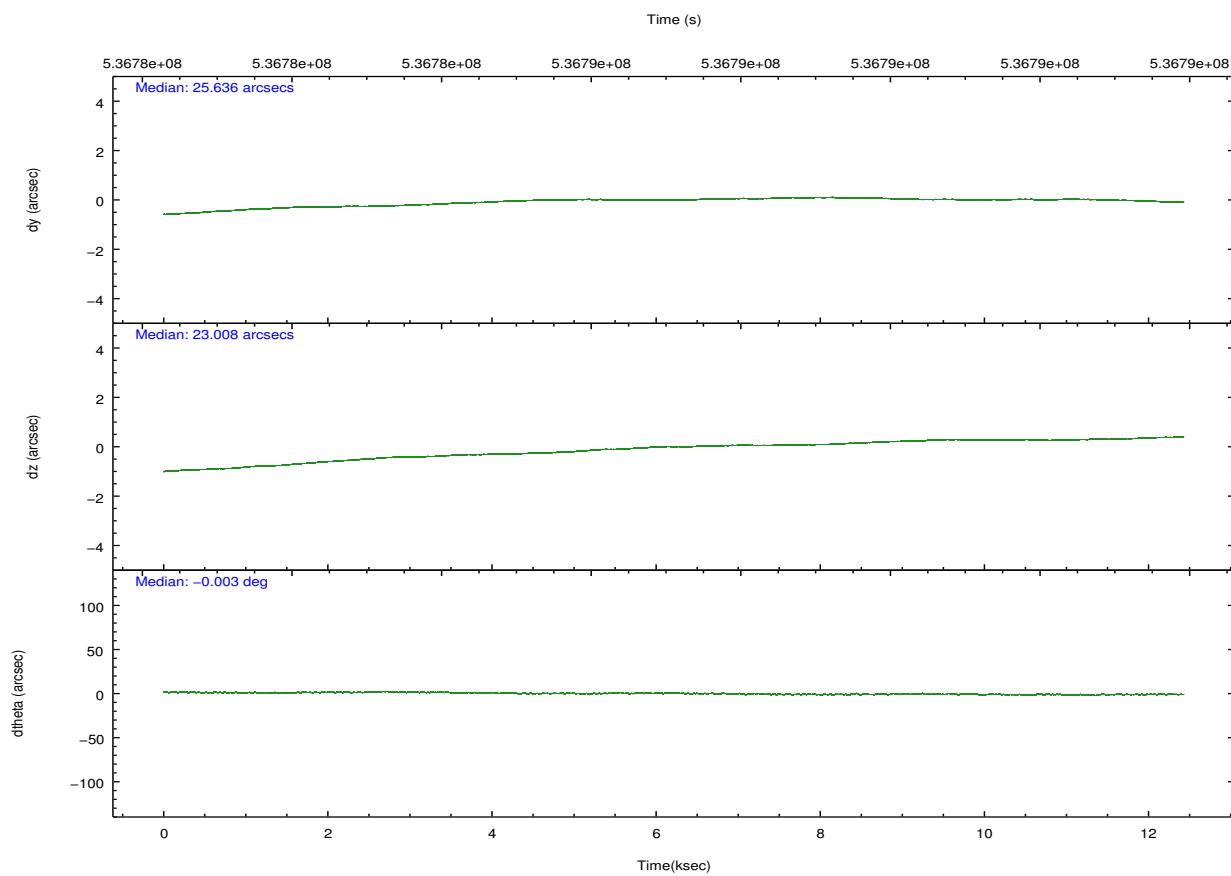
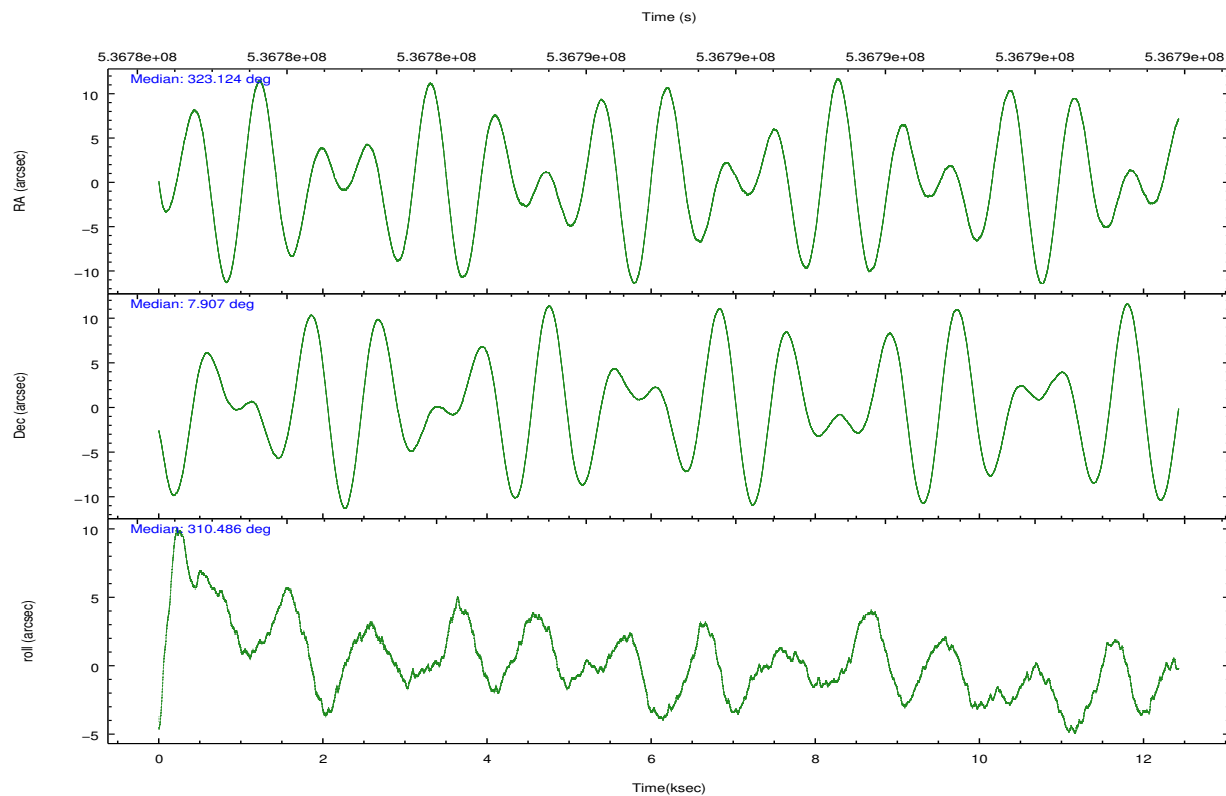
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	2243	2479	2311	3115	6480
	4%	4%	4%	4%	8%
grade 1 events	23	26	20	90	46
	0%	0%	0%	0%	0%
grade 2 events	1575	1382	1649	7057	5110
	2%	2%	2%	9%	6%
grade 3 events	639	628	688	2849	2145
	1%	1%	1%	3%	2%
grade 4 events	652	670	683	2870	2117
	1%	1%	1%	3%	2%
grade 5 events	2413	2934	2888	7816	4360
	4%	5%	5%	10%	5%
grade 6 events	1236	1373	1594	17969	5789
	2%	2%	2%	23%	7%
grade 7 events	45772	43800	47639	35658	48553
	83%	82%	82%	46%	65%

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	323.097490	323.1237395697224	CCD I2 on	O2	Y
[deg] Pointing Dec	7.915668	7.906780565573407	CCD I3 on	O1	Y
[deg] Pointing Roll	310.342323	310.4953236264906	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)	536781624.184000	536780412.81996	CCD S5 on	N	N
Observation start date	2015-01-04T17:59:17	2015-01-04T17:40:12	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	536793324.184000	536794397.92074	On-chip summing requested	N	N
Observation end date	2015-01-04T21:14:17	2015-01-04T21:33:17	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



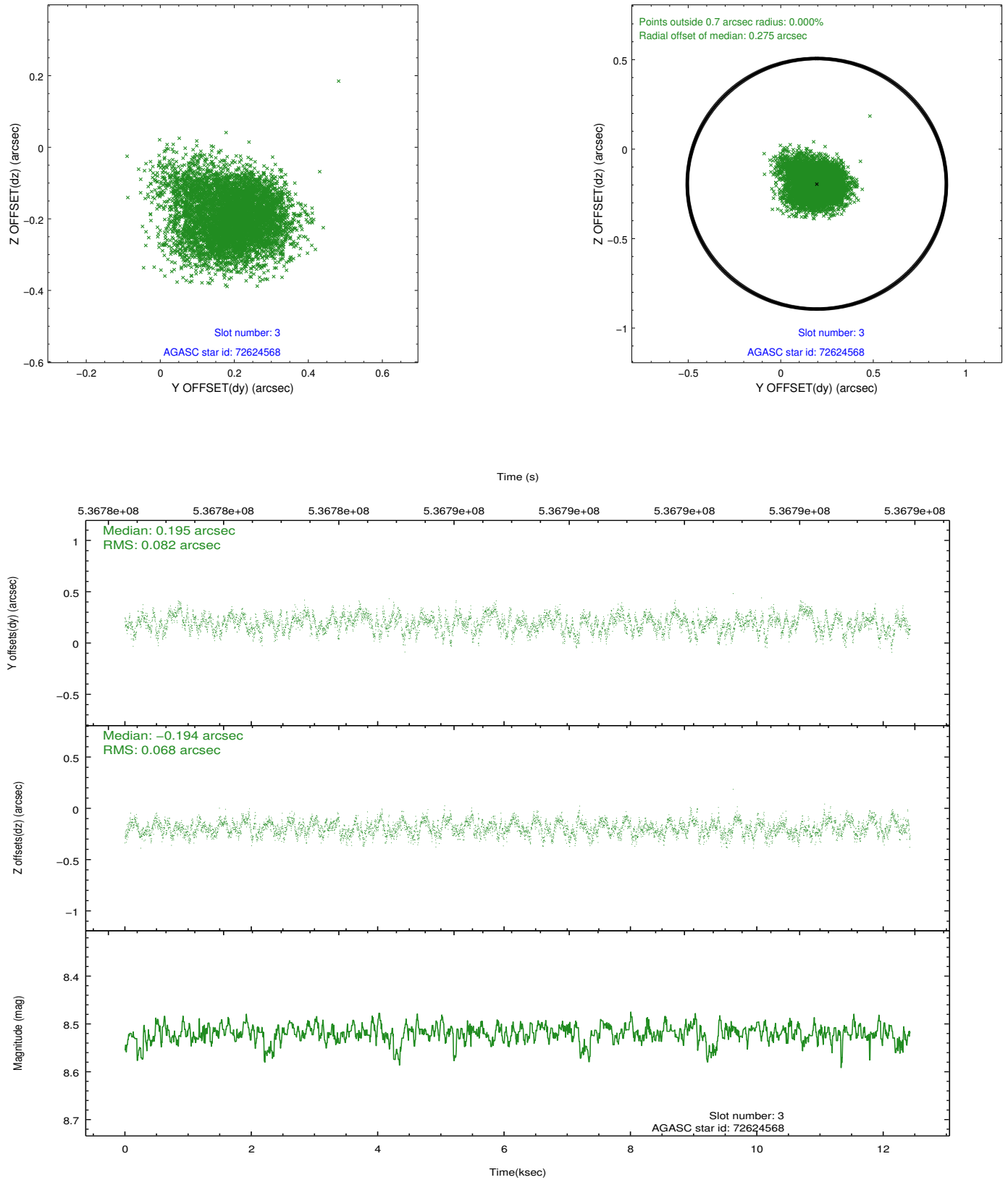


Slot Statistics

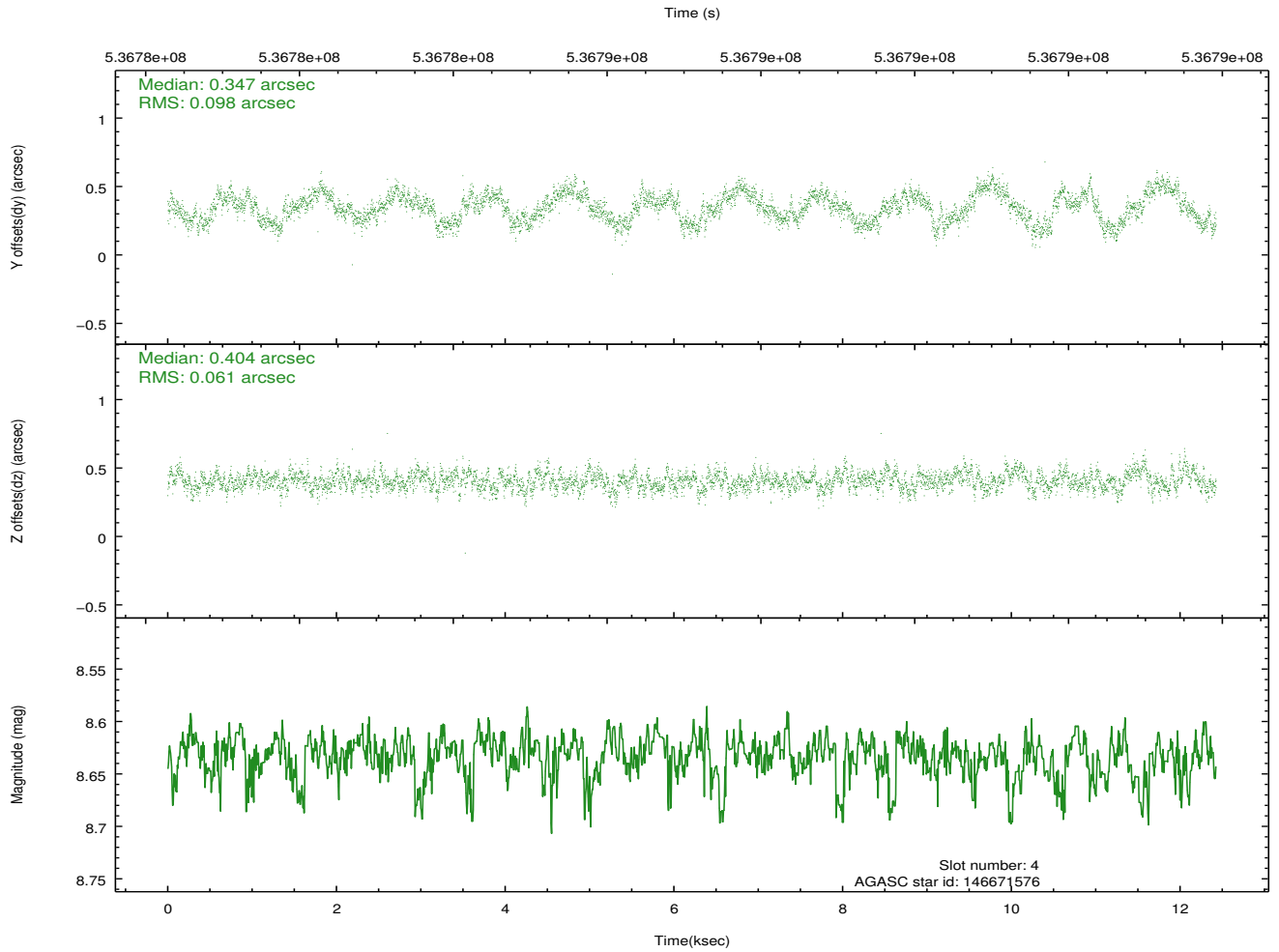
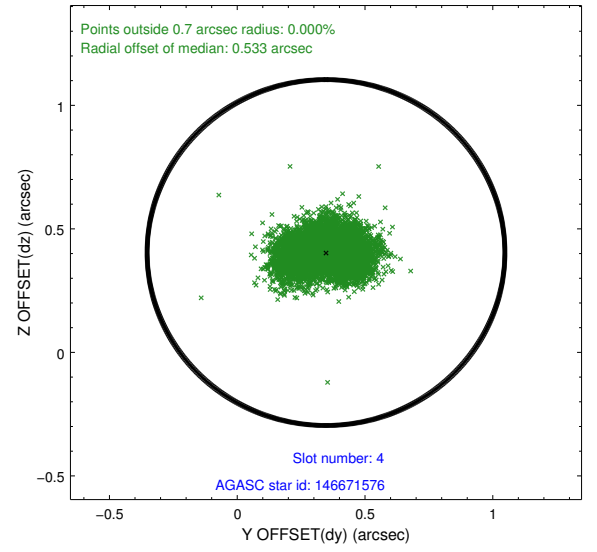
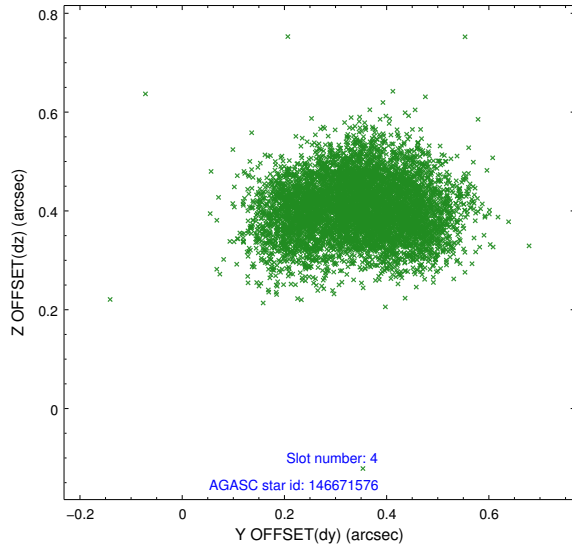
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	6.97	3031	-0.165	-0.078	0.007	0.012	0.000000	0.000000	-779.01	-1744.48
1	FID		ACIS-S-4	7.07	3031	0.332	0.101	0.005	0.010	0.000000	0.000000	2134.62	163.70
2	FID		ACIS-S-5	7.09	3031	-0.198	-0.014	0.007	0.012	0.000000	0.000000	-1831.34	157.80
3	GUIDE	used	72624568	8.52	6061	0.195	-0.194	0.114	0.182	323.124451	7.195330	2039.60	-1604.66
4	GUIDE	used	146671576	8.63	6061	0.347	0.404	0.125	0.194	322.917258	7.936225	-471.50	-441.14
5	GUIDE	used	146672712	9.26	6062	-0.249	0.186	0.169	0.288	322.640289	8.168566	-1748.71	-651.09
6	GUIDE	used	146676024	8.60	6063	-0.052	-0.150	0.105	0.166	322.820302	7.700338	-49.28	-1254.54
7	GUIDE	used	146680288	8.95	6059	-0.254	-0.252	0.105	0.167	323.028085	8.441987	-1604.34	1038.11

2.4 Star Slots

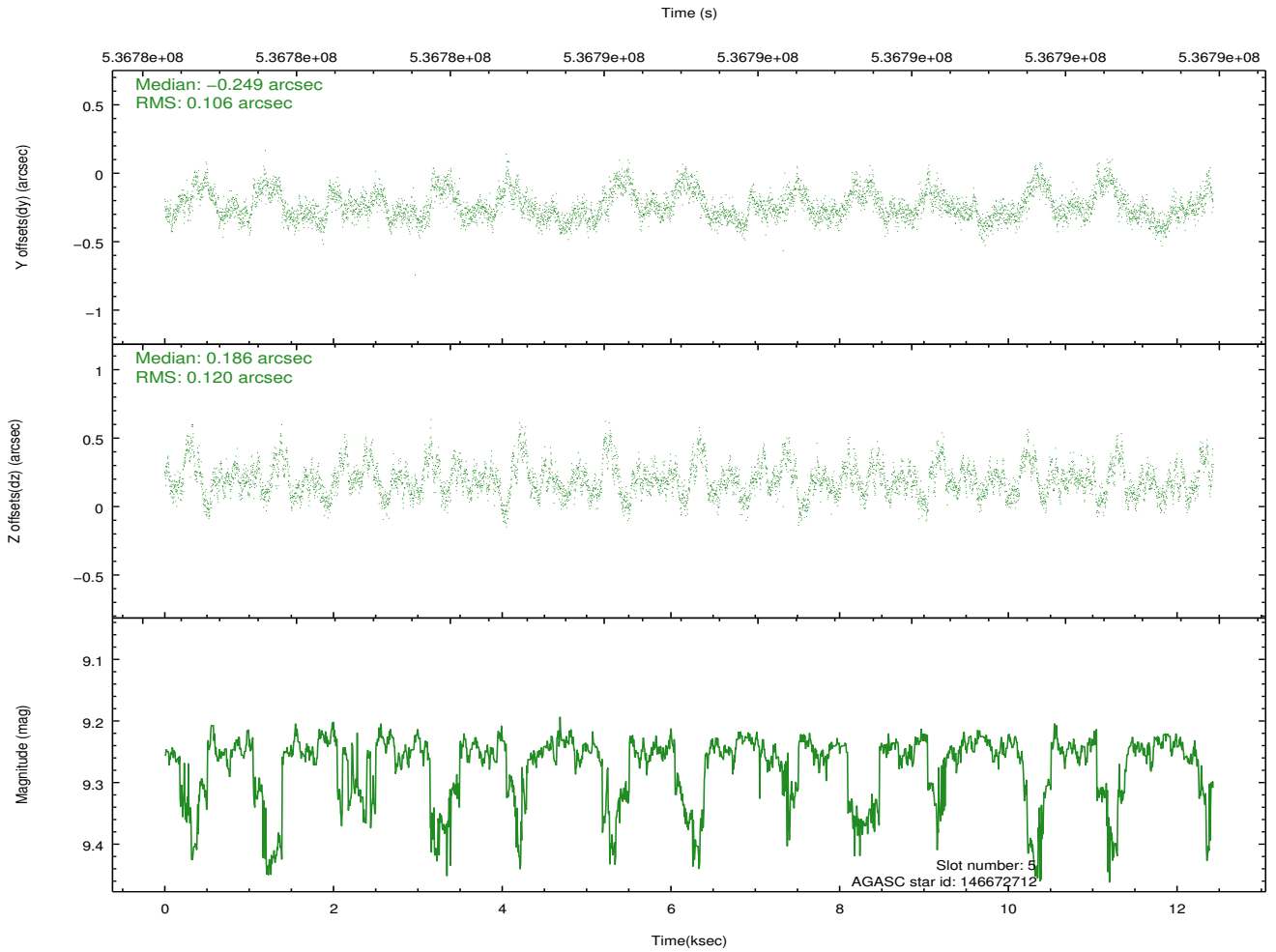
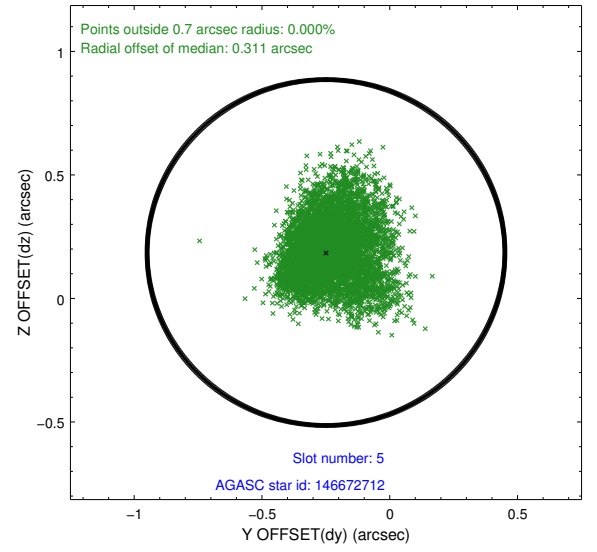
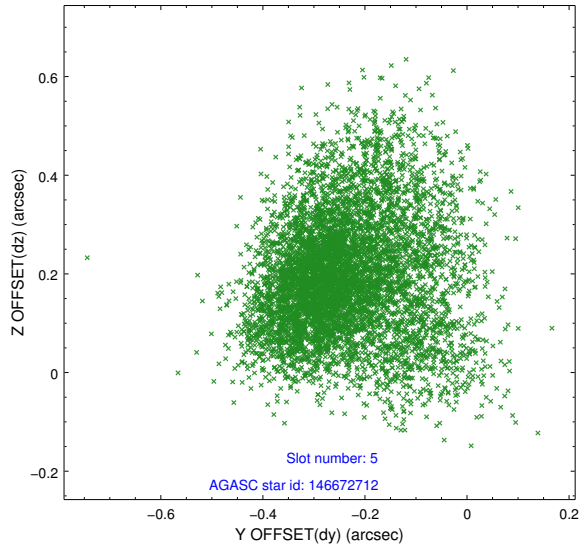
2.4.1 Slot 3



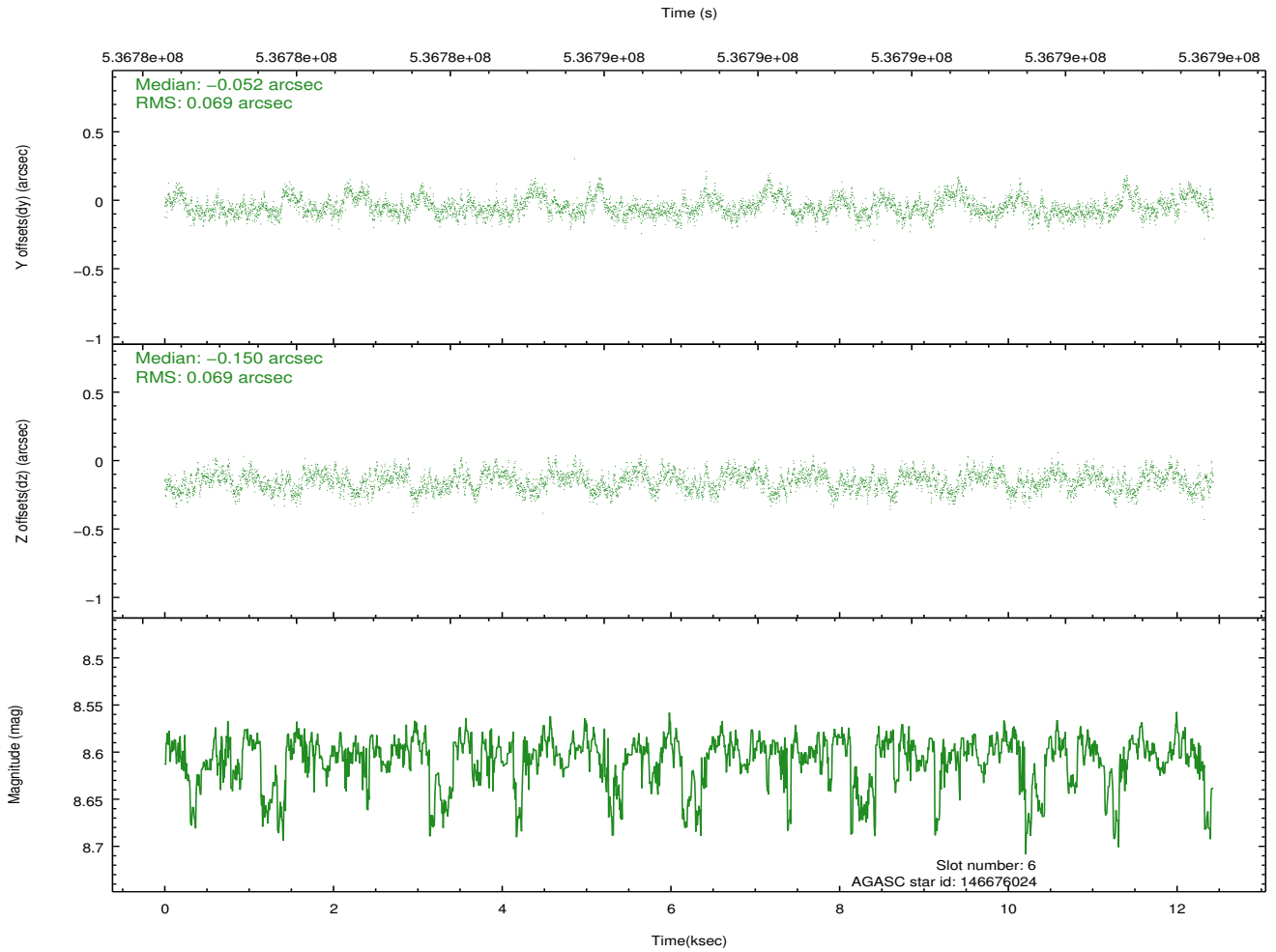
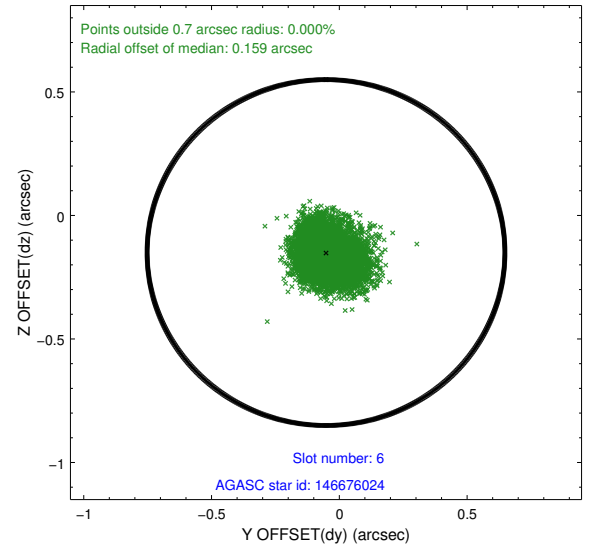
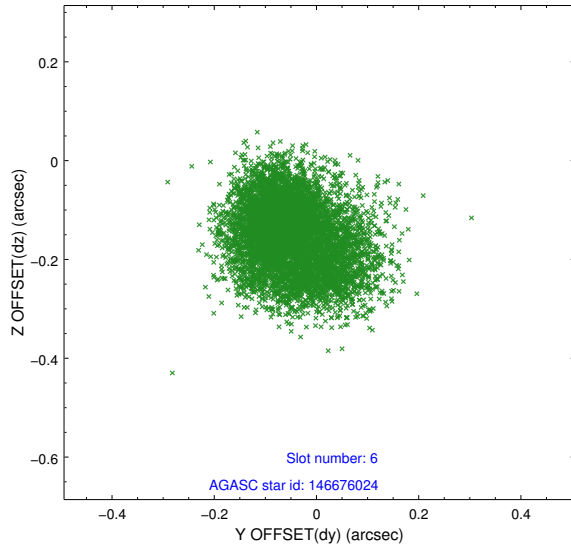
2.4.2 Slot 4



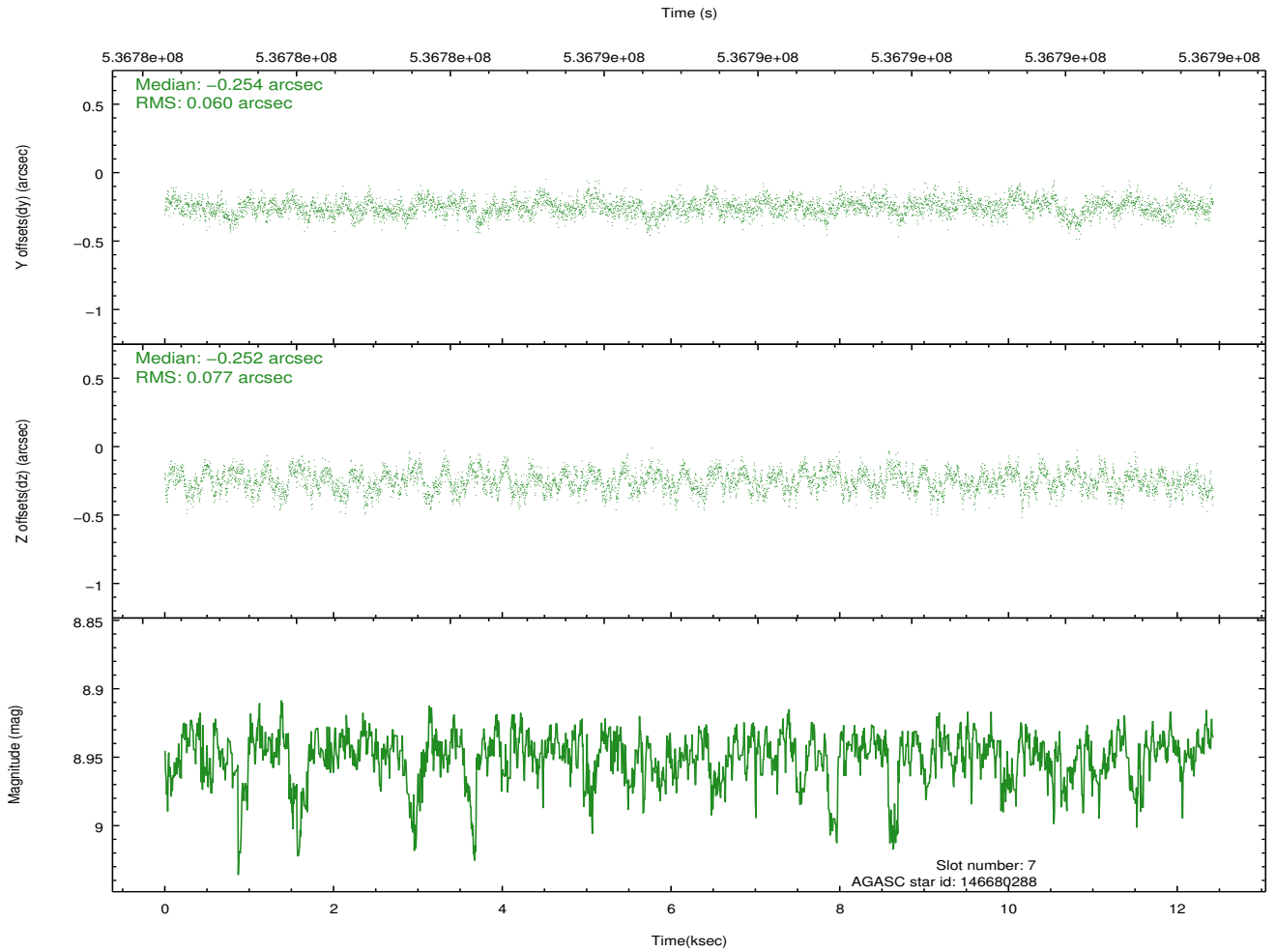
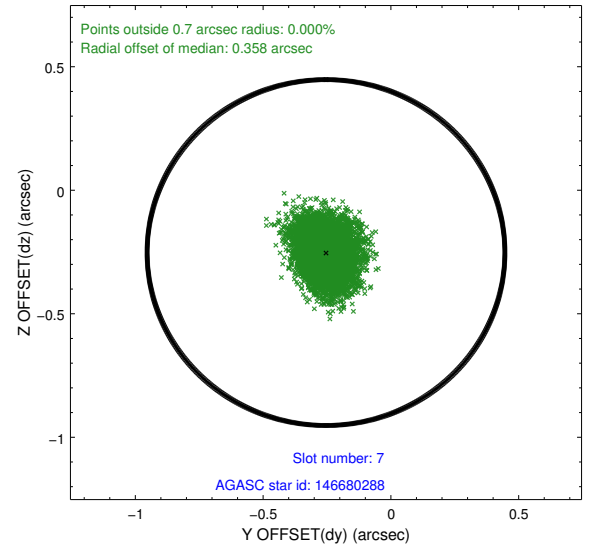
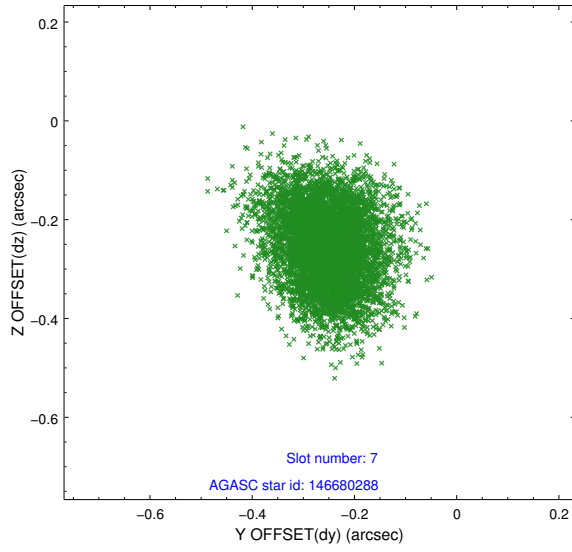
2.4.3 Slot 5



2.4.4 Slot 6

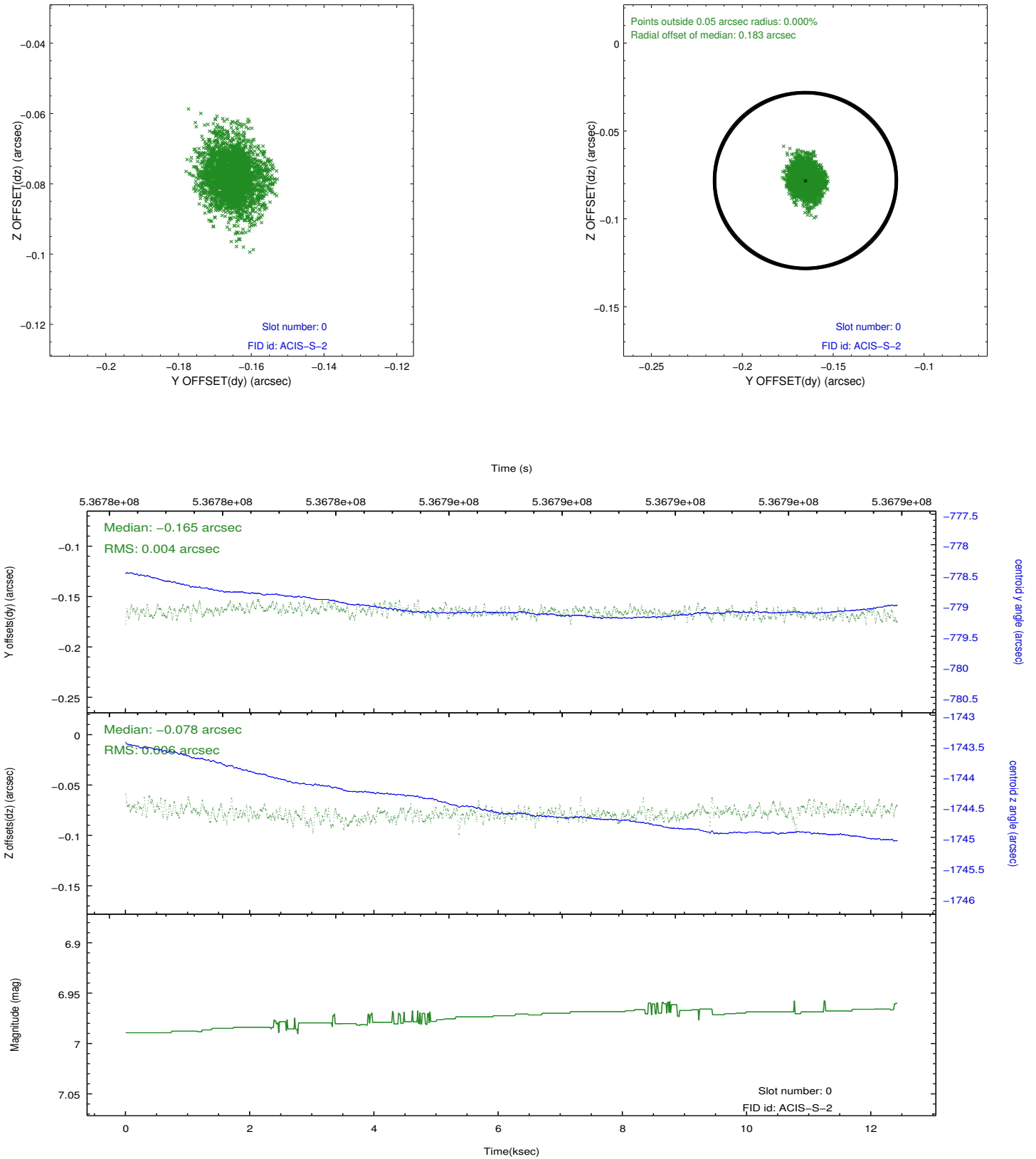


2.4.5 Slot 7

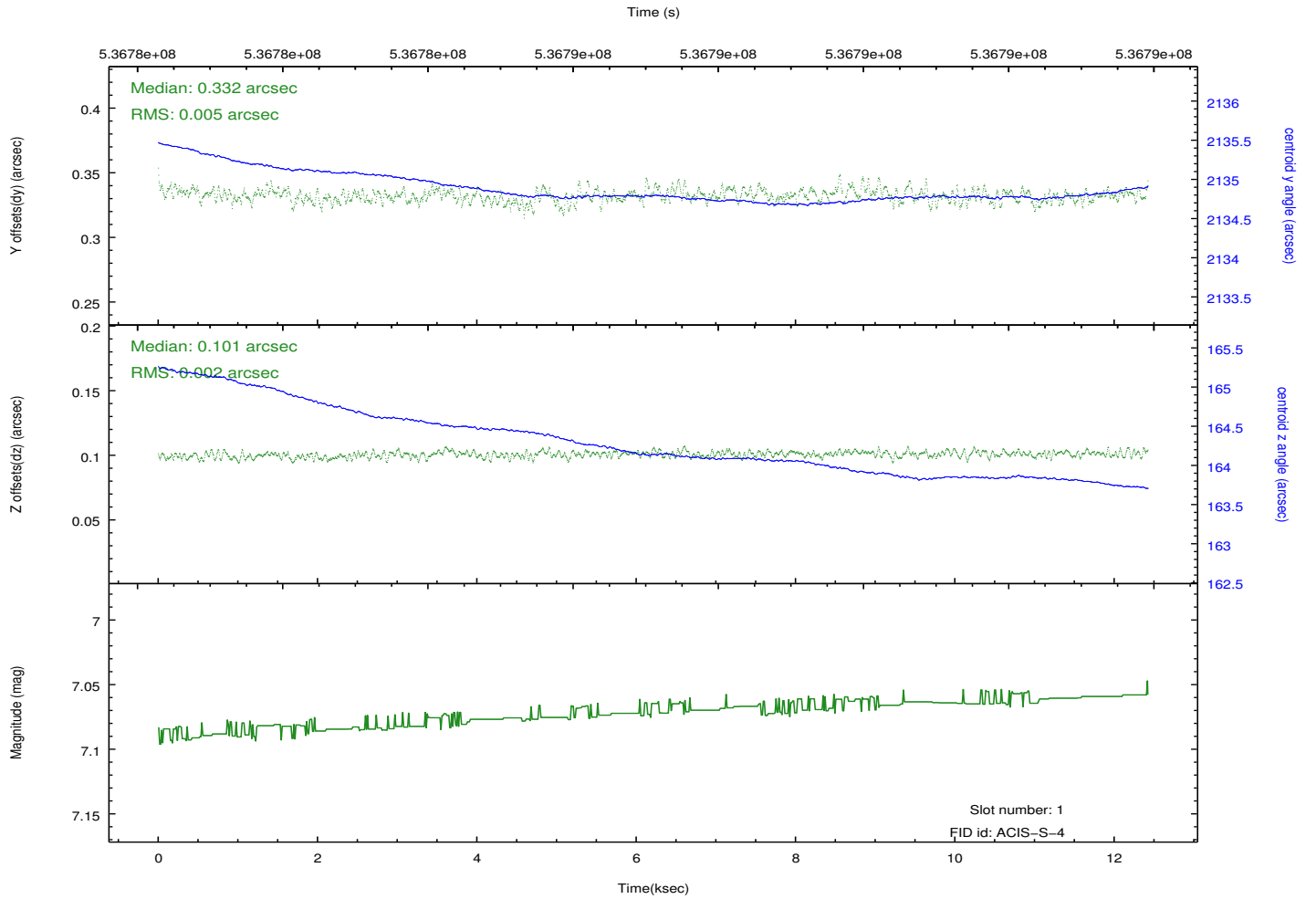
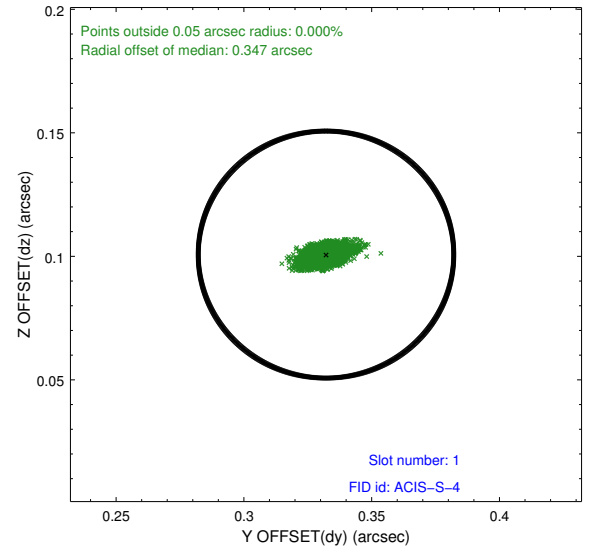
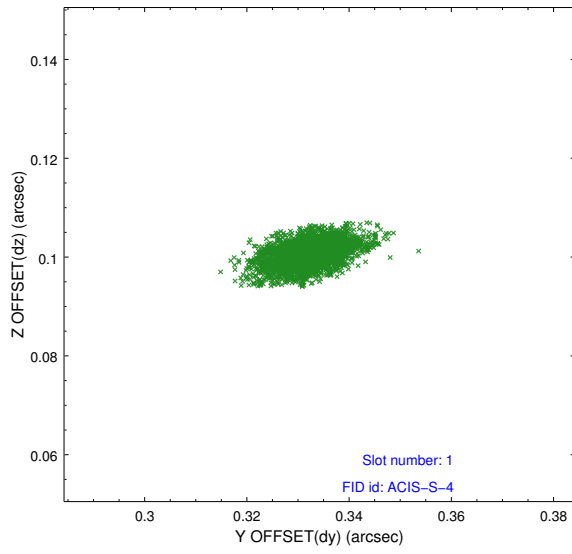


2.5 FID Slots

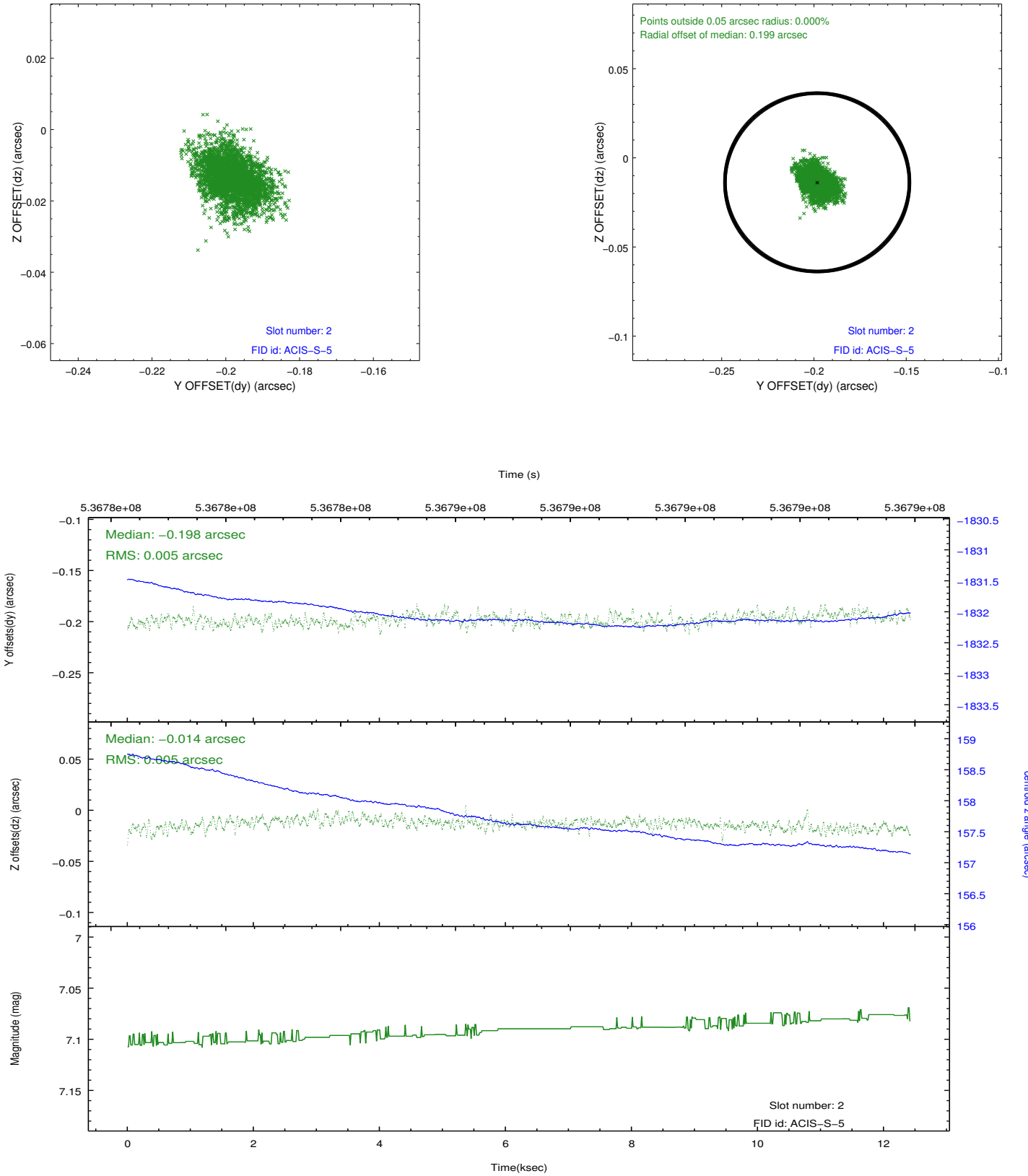
2.5.1 Slot 0



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)	2015.01.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	11.766322315991

A.2 Comments