

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2218 - L2 Version 3
Chandra X-Ray Center

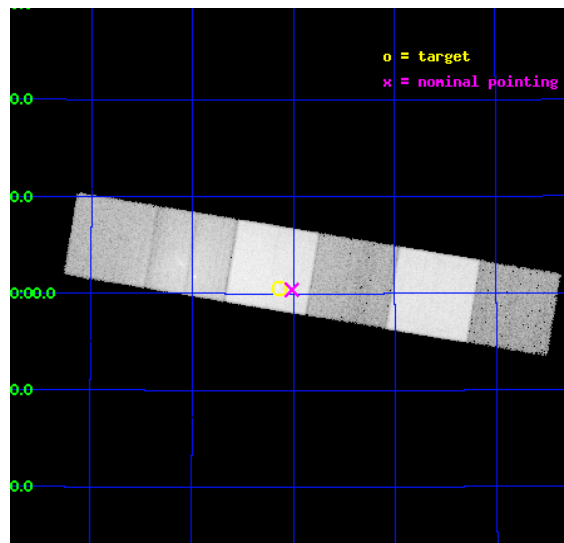
L2 Processing Date : Sep 4 2012

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1 Front

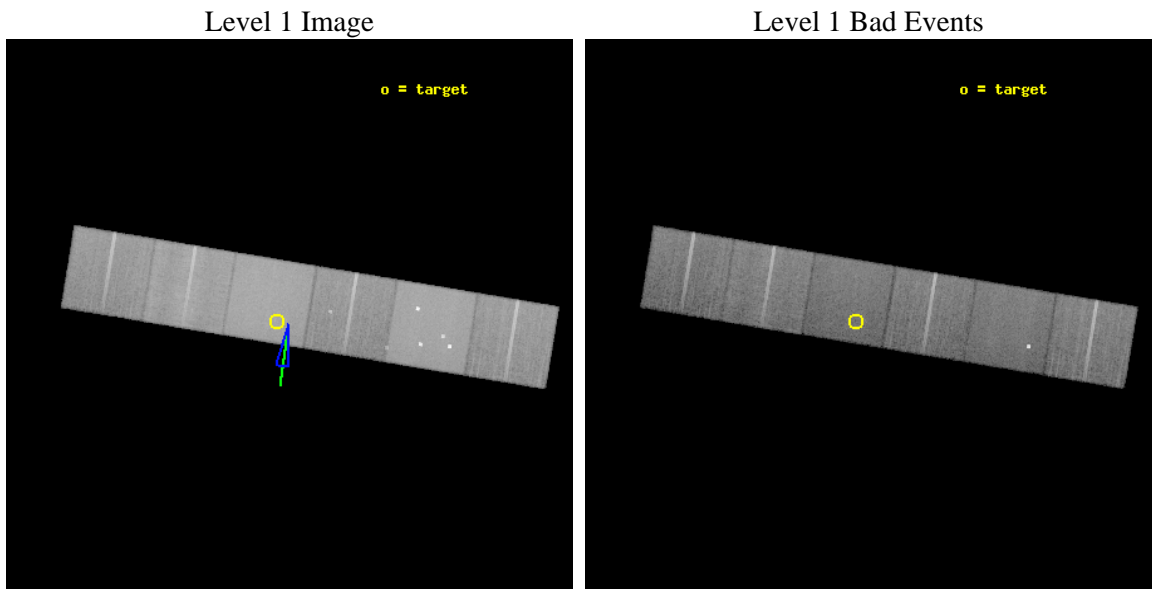
seq_num	800157	Sequence number
obs_id	2218	Observation id
title	JET-INTRACLUSTER MEDIUM INTERACTIONS OF THE RADIO GALAXY 3C 129	Pr
observer	Dr. Daniel Harris	Principal investigator
object	3C129	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	72.283333	Observer's specified target RA [deg]
dec_targ	45.008333	Observer's specified target Dec [deg]
ra_nom	72.253804046653	Nominal RA [deg]
dec_nom	45.006703681303	Nominal Dec [deg]
roll_nom	189.41082838994	Nominal Roll [deg]
revision	3	Processing version of data
ontime	31865.600029662	Sum of GTIs [s]
livetime	31462.098614926	Livetime [s]
ontime4	31862.359059423	Sum of GTIs [s]
ontime5	31865.600029662	Sum of GTIs [s]
ontime6	31865.600029662	Sum of GTIs [s]
ontime7	31865.600029662	Sum of GTIs [s]
ontime8	31865.600029662	Sum of GTIs [s]
ontime9	31865.600029662	Sum of GTIs [s]
l2events	487780	Number of level 2 events



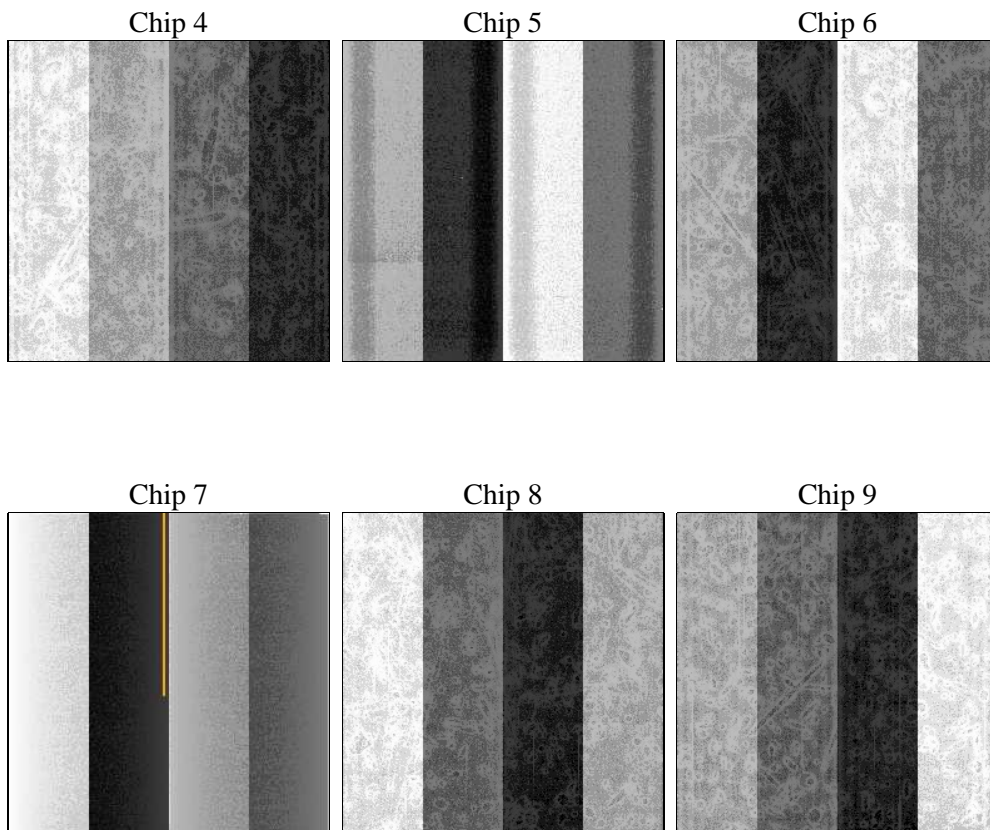
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	31704.215000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	31865.600029662	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime4	31862.359059423	Sum of GTIs [s]
date	2012-09-04T05:36:08	Date and time of file creation	ontime5	31865.600029662	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	31865.600029662	Sum of GTIs [s]
			ontime7	31865.600029662	Sum of GTIs [s]
			ontime8	31865.600029662	Sum of GTIs [s]
			ontime9	31865.600029662	Sum of GTIs [s]
			l1events	1560111	Number of level 1 events

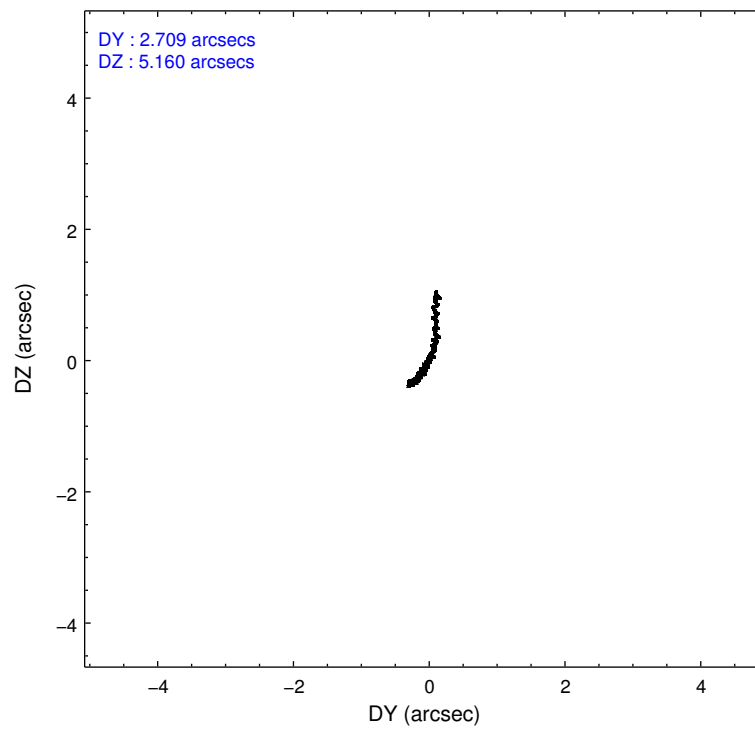
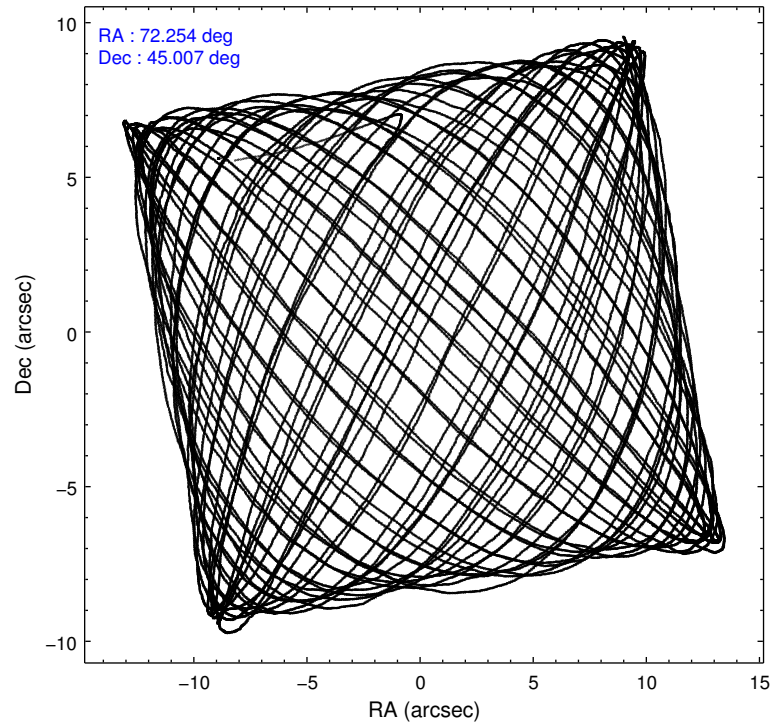
2.1.4 Events

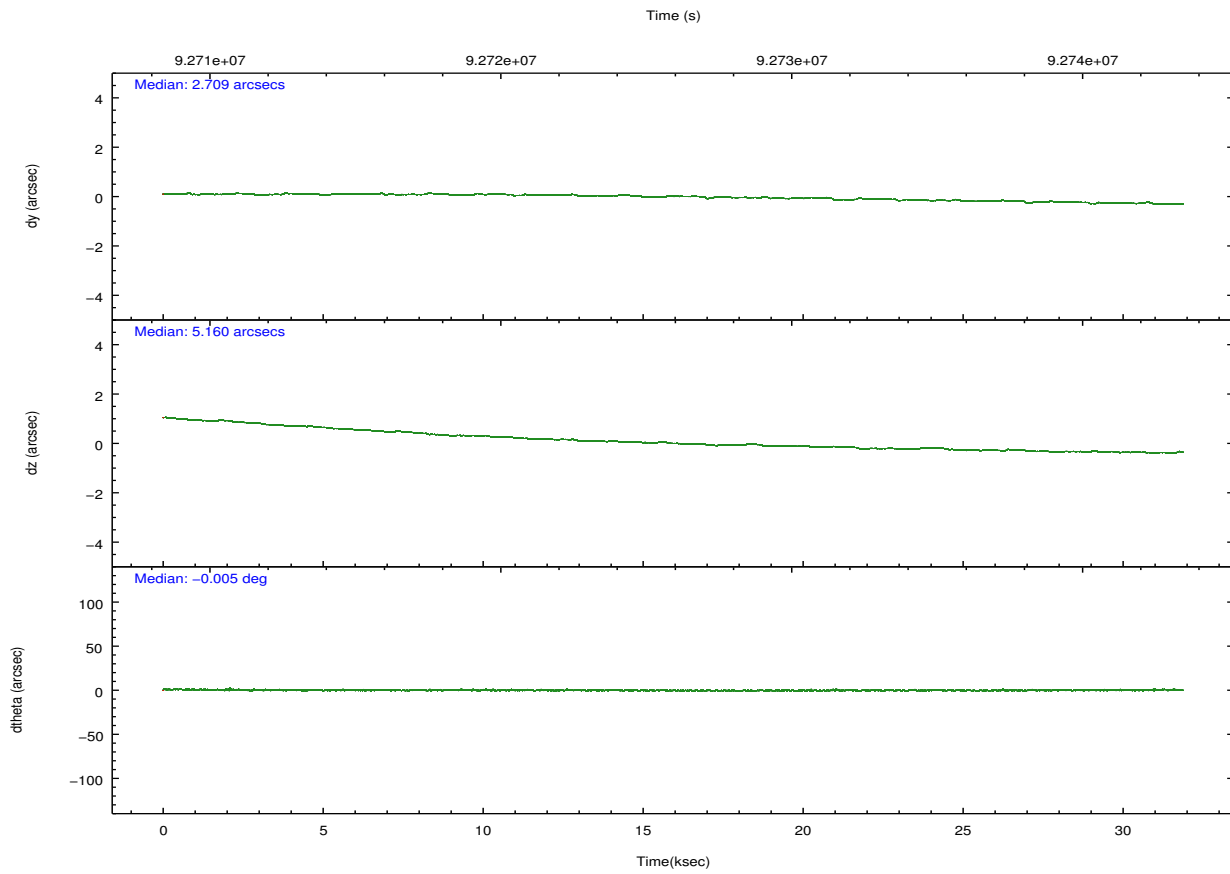
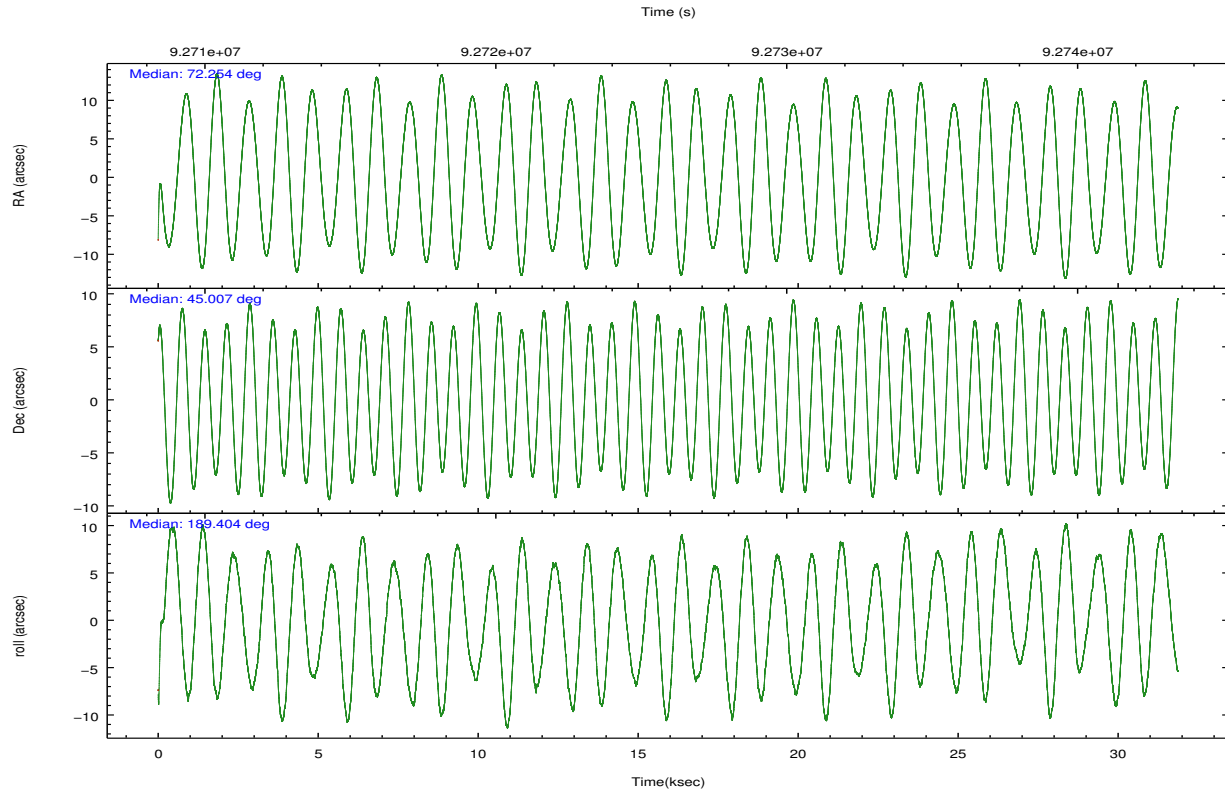
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	210653	326441	199349	320534	298168	204966	grade 0 events	10705	35533	16935	23835	61836	23365
rejected events	185788	150131	167576	140223	189394	164273		5%	10%	8%	7%	20%	11%
rejected %	88%	45%	84%	43%	63%	80%	grade 1 events	93	1183	132	229	320	131
								0%	0%	0%	0%	0%	0%
							grade 2 events	5956	46701	5452	37233	17060	6862
								2%	14%	2%	11%	5%	3%
							grade 3 events	2219	8737	2466	16814	8090	2771
								1%	2%	1%	5%	2%	1%
							grade 4 events	2045	8179	2344	16621	7543	2677
								0%	2%	1%	5%	2%	1%
							grade 5 events	6515	25014	7781	23250	9941	7997
								3%	7%	3%	7%	3%	3%
							grade 6 events	4015	77558	4670	86218	14491	5130
								1%	23%	2%	26%	4%	2%
							grade 7 events	179105	123536	159569	116334	178887	156033
								85%	37%	80%	36%	59%	76%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	72.283504	72.25380404665255	Subarray requested	NONE	NONE
[deg] Pointing Dec	45.024230	45.00670368130265	Alternating exposures requested	N	N
[deg] Pointing Roll	189.233200	189.410828389944	[s] Primary exposure time	0.000000	3.2
[deg] Roll angle	190.000000	190.000000			
[deg] Roll tolerance	8.000000	8.000000			
Roll constraint allows 180D rotation	N	N			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-184.272523	-184.2691398207293			
[mm] SIM translation stage offset	-5.86	-5.863382762278519			
[s] Observation start time (MET)	92710149.184000	92709038.175318			
Observation start date	2000-12-09T00:48:05	2000-12-09T00:30:38			
[s] Observation end time (MET)	92741854.184000	92742168.226584			
Observation end date	2000-12-09T09:36:30	2000-12-09T09:42:48			
Read mode	TIMED	TIMED			

2.3 Aspect



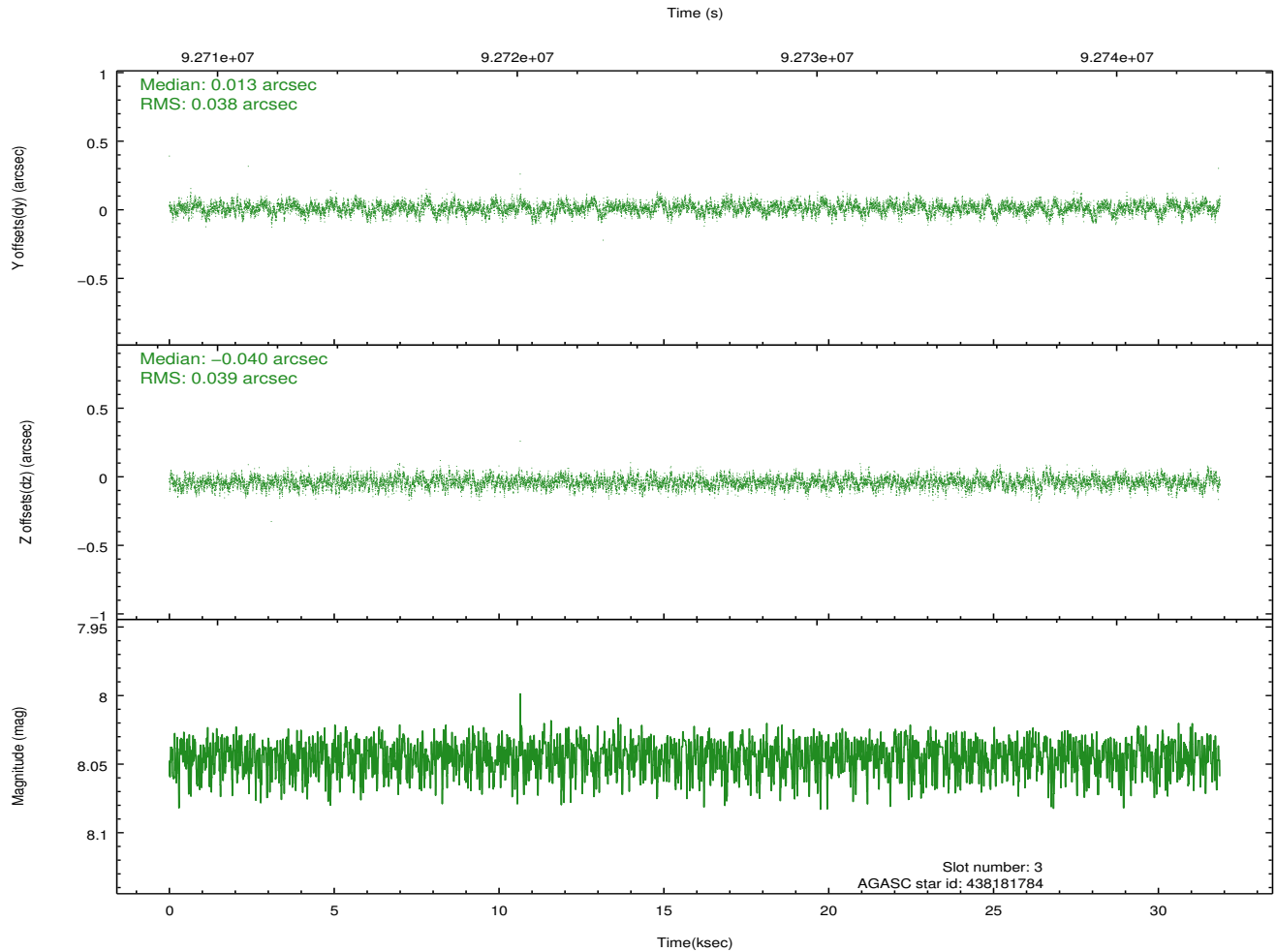
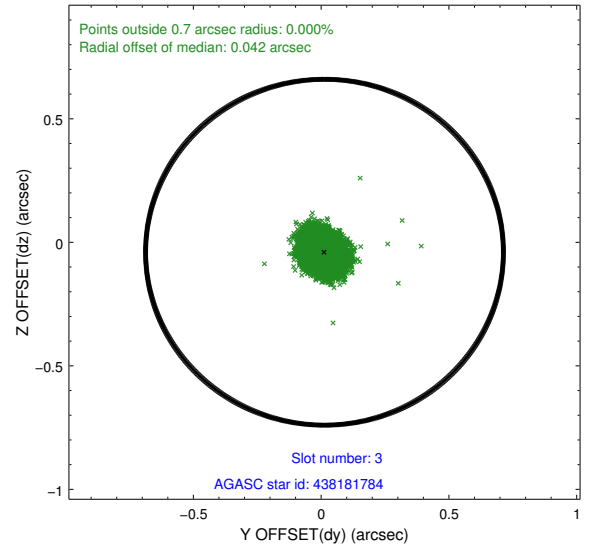
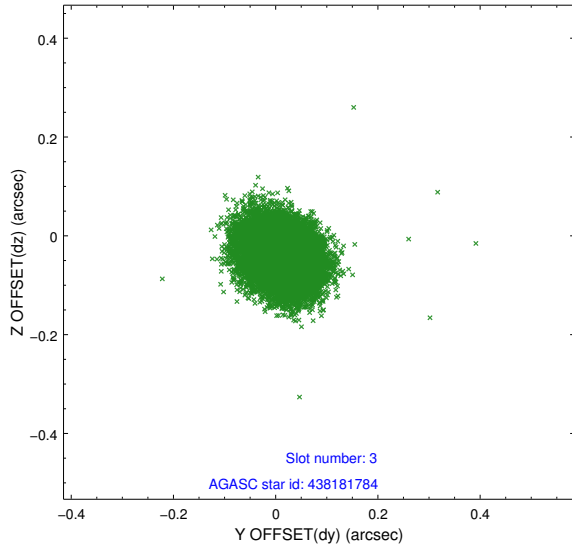


Slot Statistics

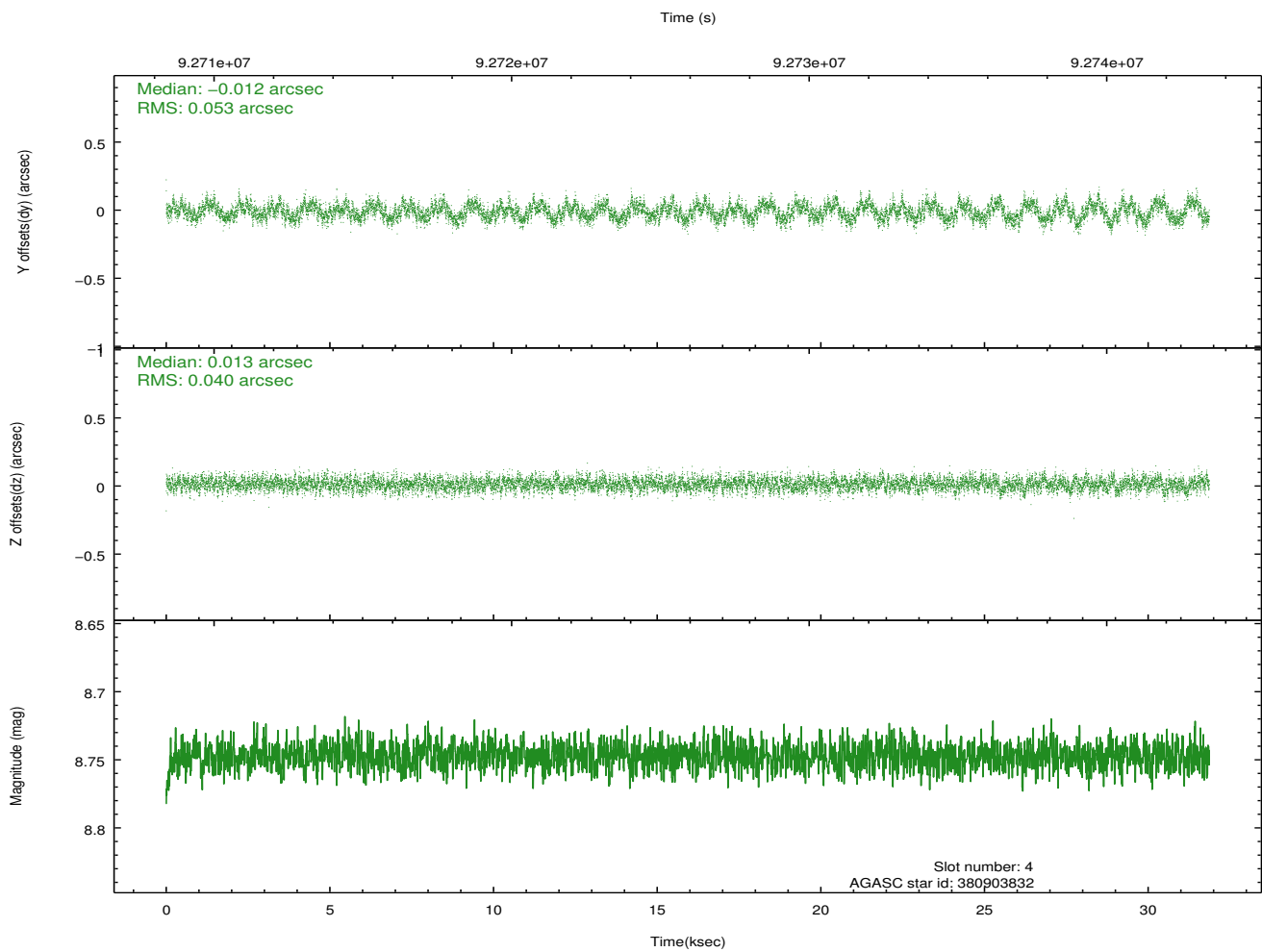
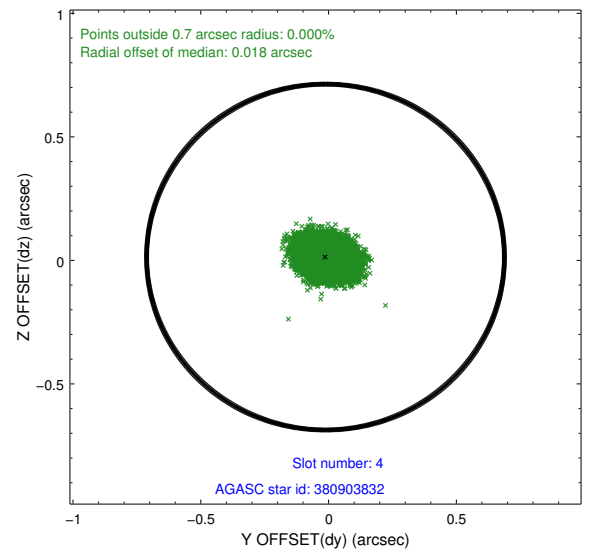
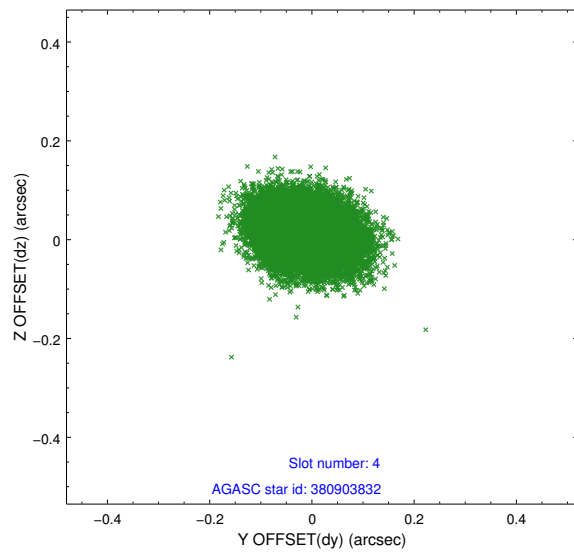
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	7773	-0.058	-0.050	0.009	0.016	0.000000	0.000000	-754.93	-1847.32
1	FID	ACIS-S-4	7.19	7772	0.021	0.031	0.009	0.016	0.000000	0.000000	2158.38	61.19
2	FID	ACIS-S-6	7.40	7773	0.009	0.026	0.011	0.019	0.000000	0.000000	407.17	698.63
3	GUIDE	438181784	8.04	15537	0.013	-0.040	0.057	0.093	71.972233	45.489356	507.01	-1778.95
4	GUIDE	380903832	8.75	15540	-0.012	0.013	0.071	0.114	72.555284	44.802199	-556.96	900.34
5	GUIDE	438174168	9.07	15537	0.041	0.036	0.078	0.134	71.685812	45.177000	1408.37	-790.19
6	GUIDE	380897112	8.95	15542	0.006	-0.042	0.063	0.105	73.055571	44.974202	-1912.96	484.91
7	GUIDE	438176744	9.49	15535	-0.049	0.034	0.097	0.158	72.786347	45.702571	-1640.03	-2210.28

2.4 Star Slots

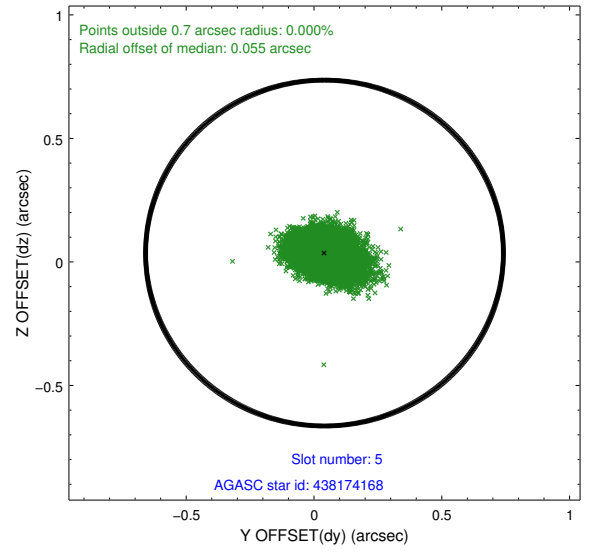
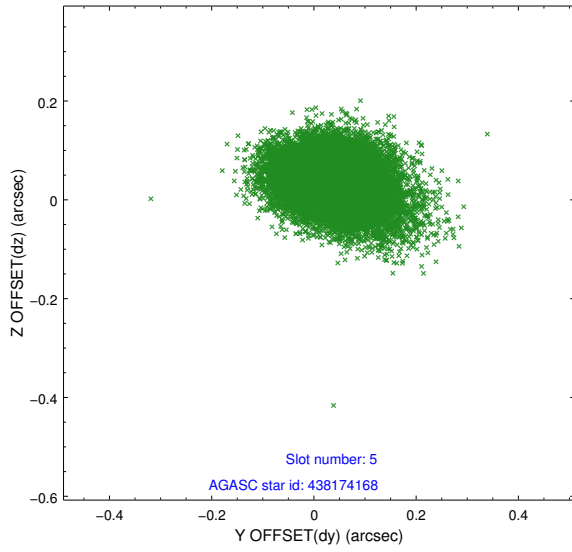
2.4.1 Slot 3



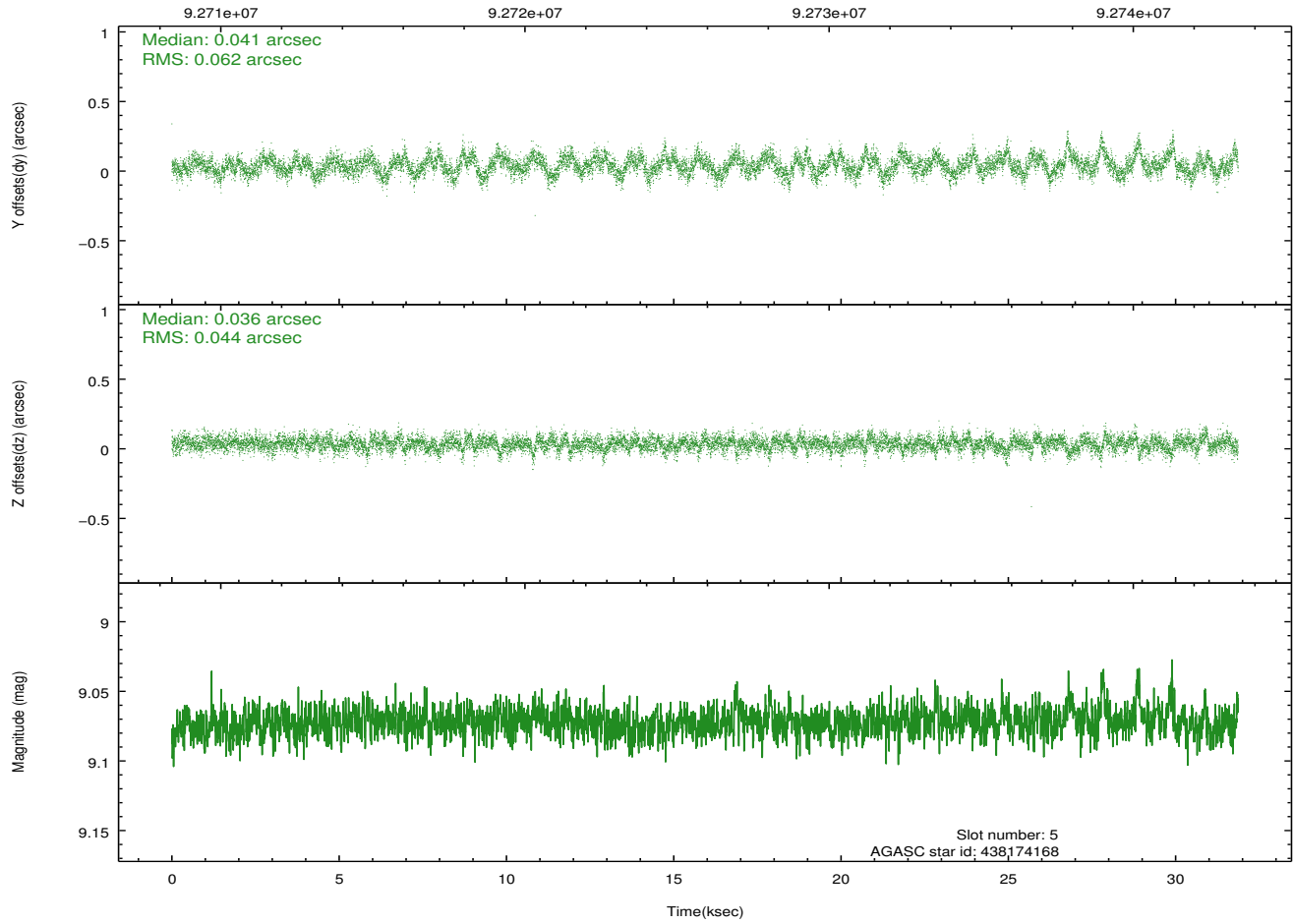
2.4.2 Slot 4



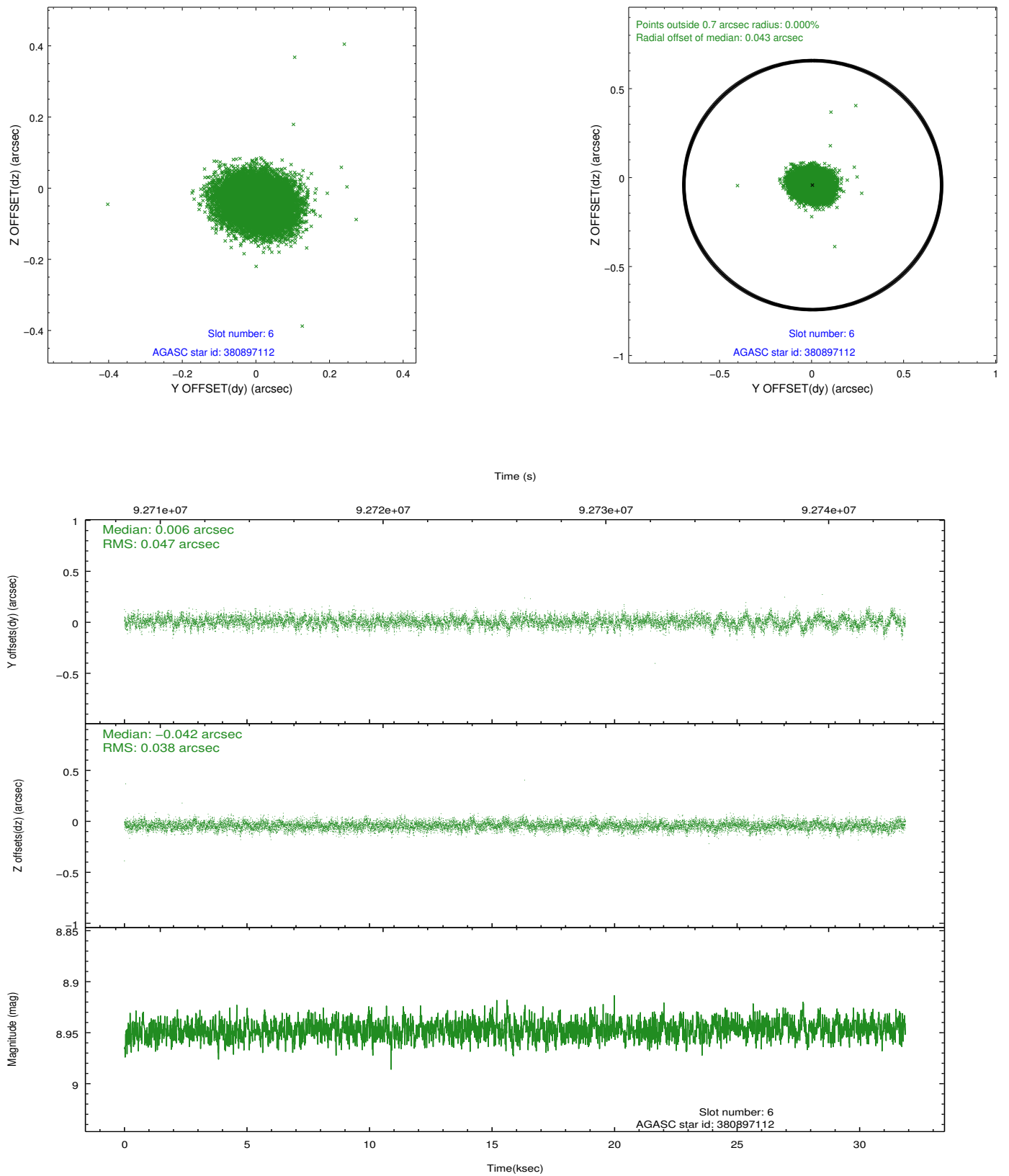
2.4.3 Slot 5



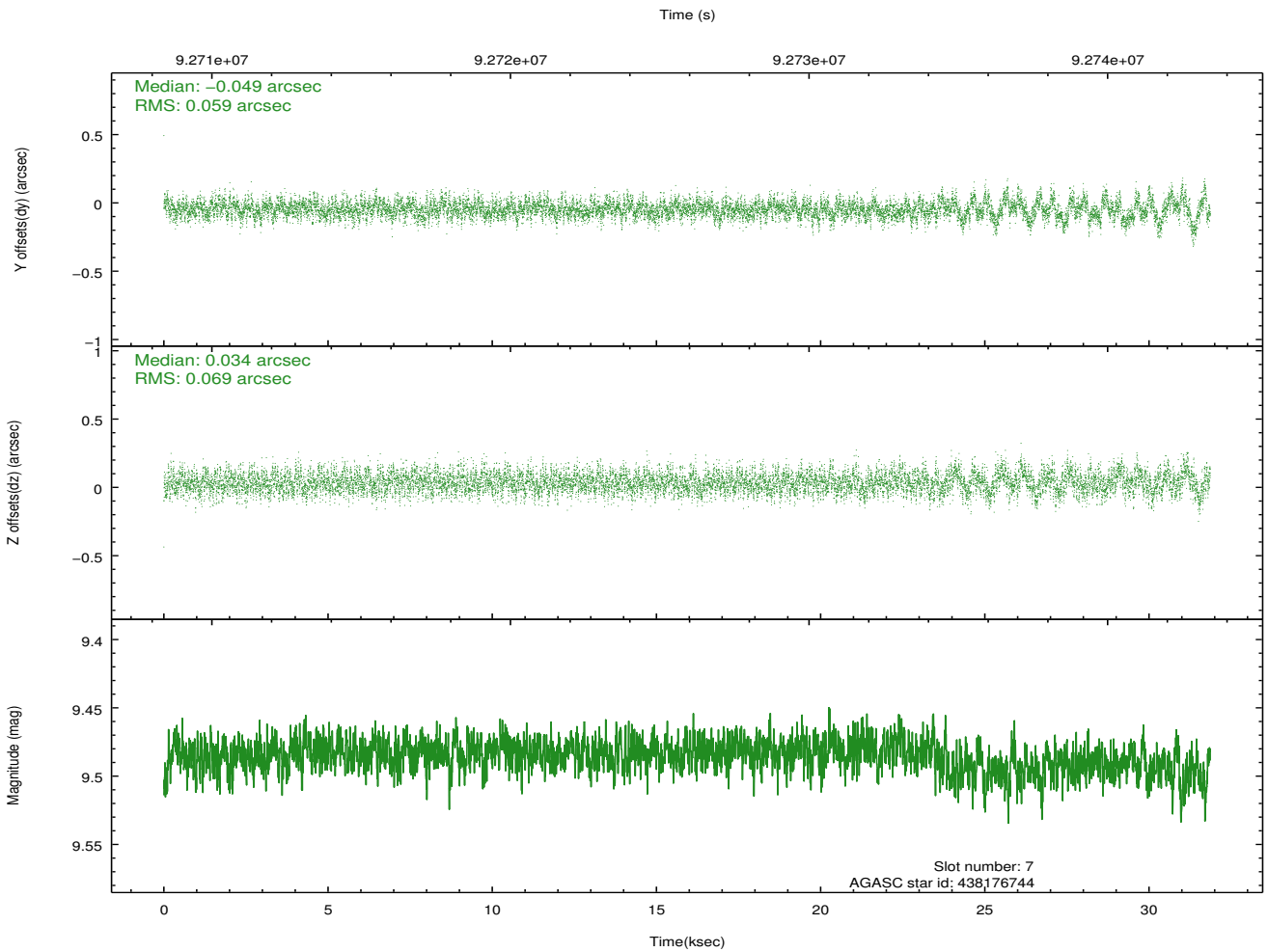
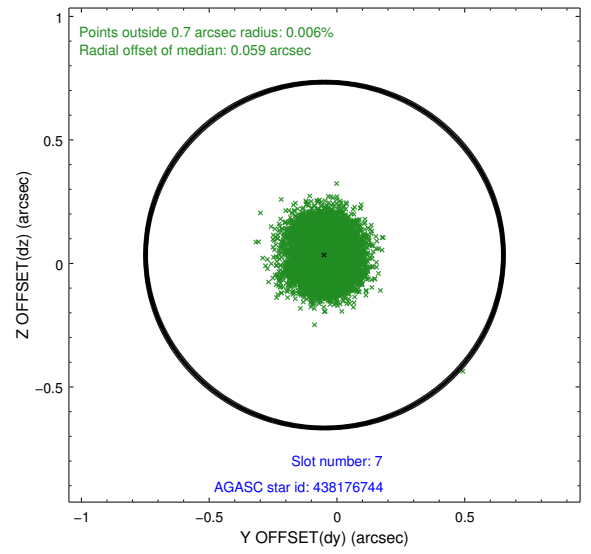
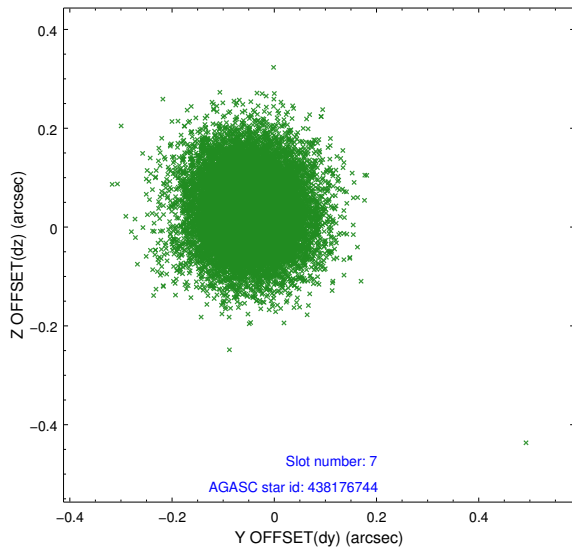
Time (s)



2.4.4 Slot 6

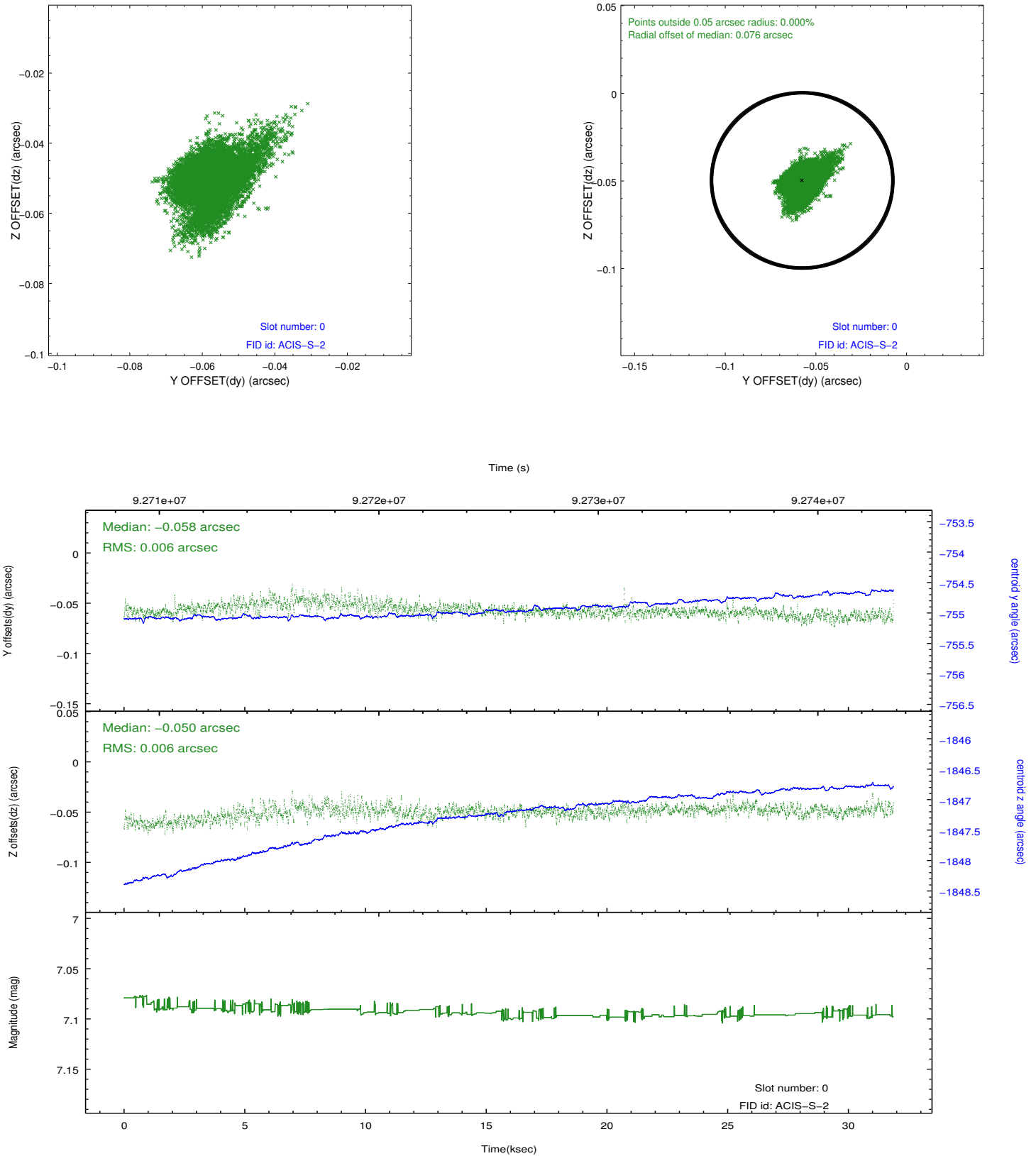


2.4.5 Slot 7

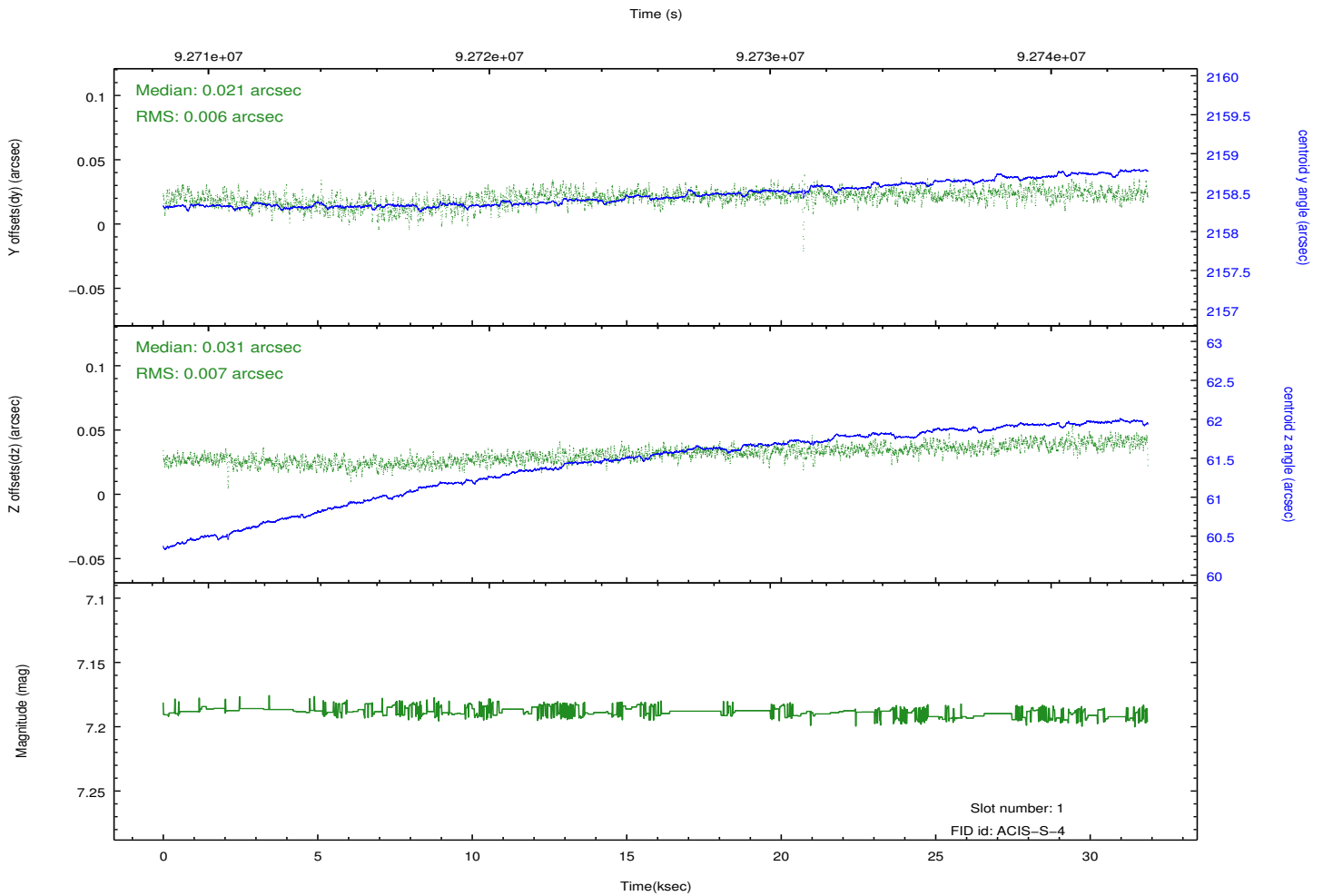
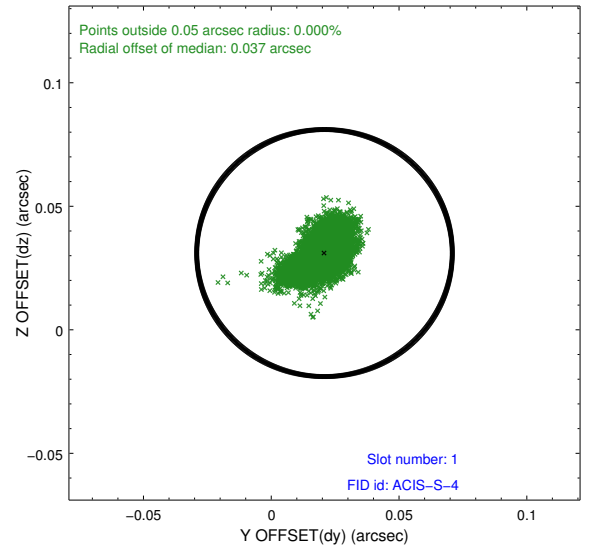
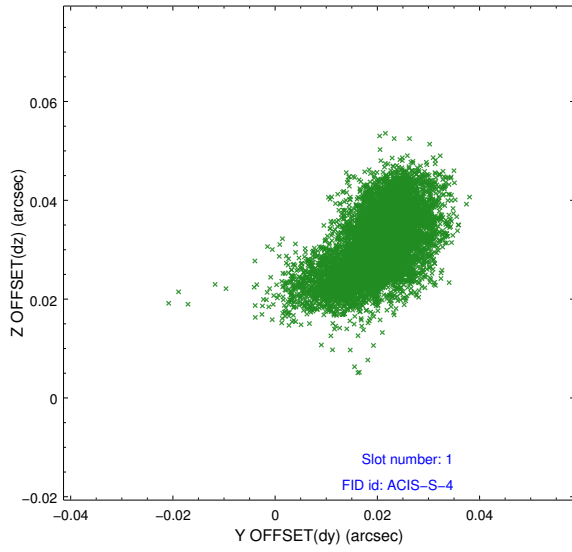


2.5 FID Slots

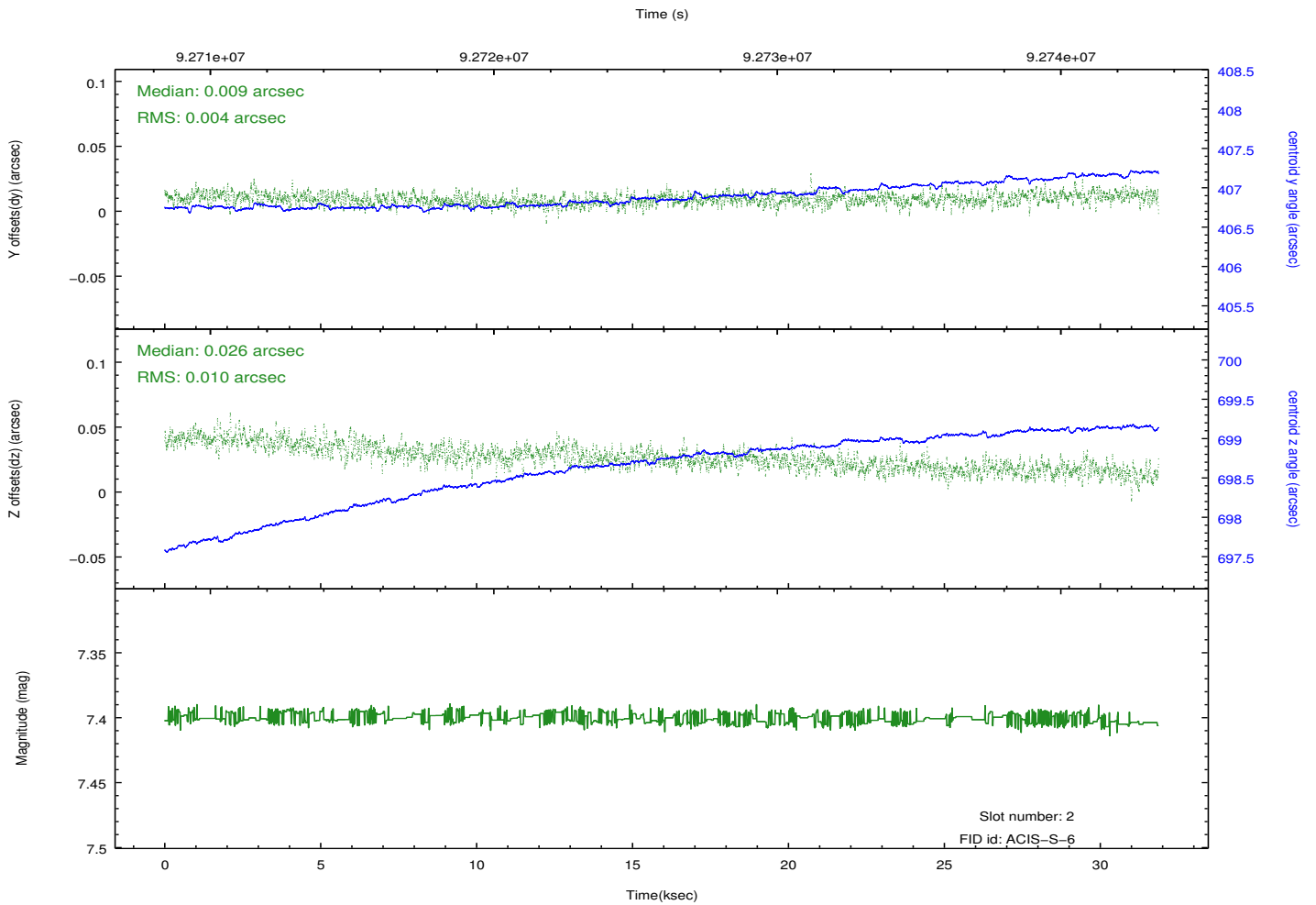
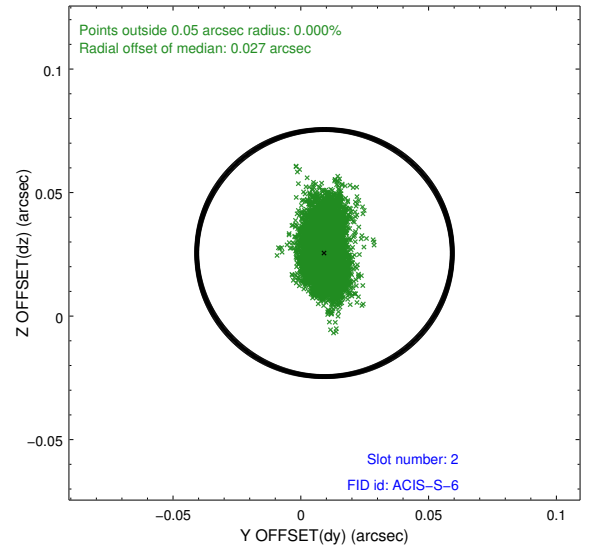
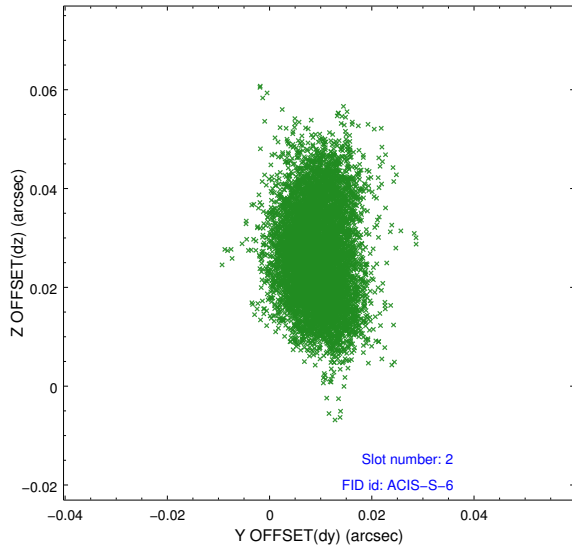
2.5.1 Slot 0



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)	2012.09.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	31.865

A.2 Comments

Roll preference met.