

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13883 - L2 Version 2
Chandra X-Ray Center

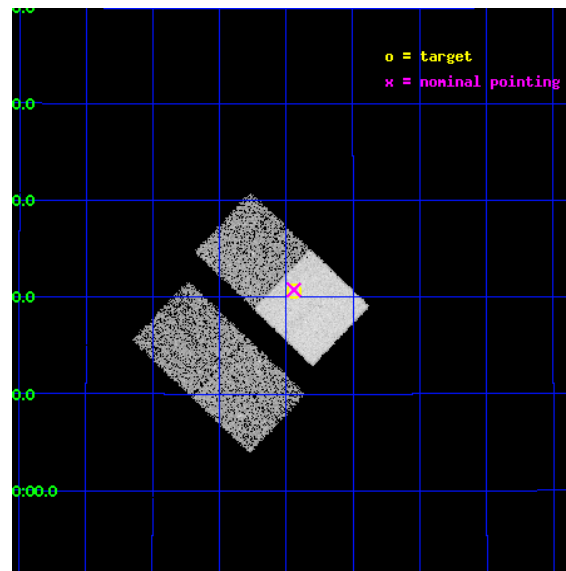
L2 Processing Date : Feb 26 2012

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1 Front

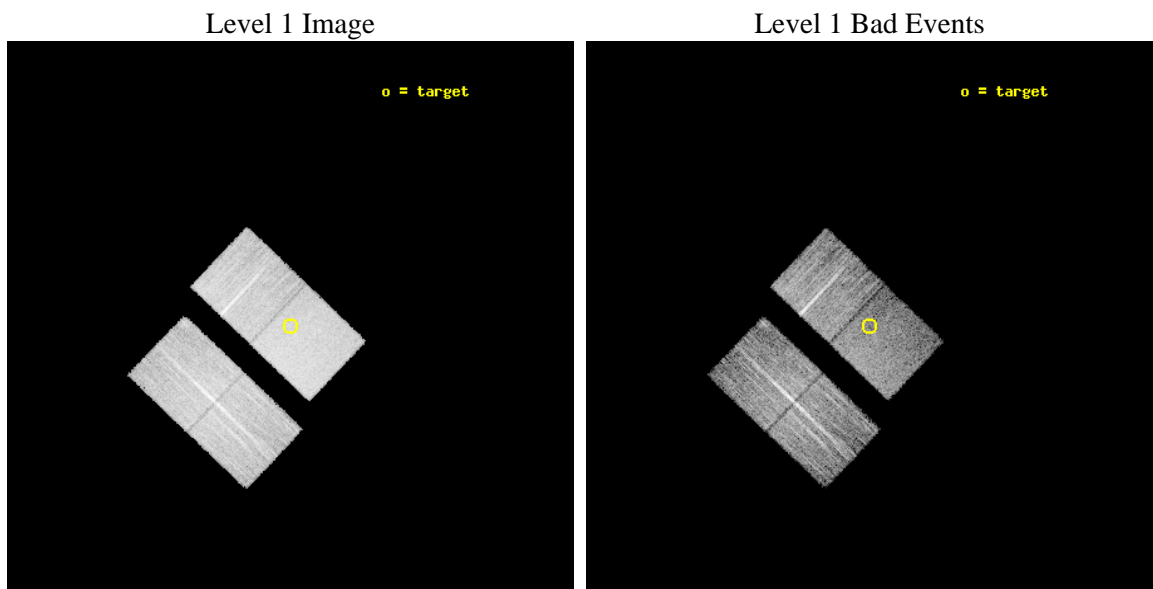
seq_num	702608	Sequence number
obs_id	13883	Observation id
title	Extending the Chandra 3C Snapshot Survey: Radio Galaxies with 0.3	Proposal title
observer	Dr. Francesco Massaro	Principal investigator
object	3c274.1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	188.86125	Observer's specified target RA [deg]
dec_targ	21.343056	Observer's specified target Dec [deg]
ra_nom	188.86062922136	Nominal RA [deg]
dec_nom	21.346006851359	Nominal Dec [deg]
roll_nom	43.656832863679	Nominal Roll [deg]
revision	2	Processing version of data
ontime	12058.125964582	Sum of GTIs [s]
livetime	11900.577671792	Livetime [s]
ontime2	12058.002844572	Sum of GTIs [s]
ontime3	12058.043884575	Sum of GTIs [s]
ontime6	12058.084924579	Sum of GTIs [s]
ontime7	12058.125964582	Sum of GTIs [s]
l2events	62246	Number of level 2 events



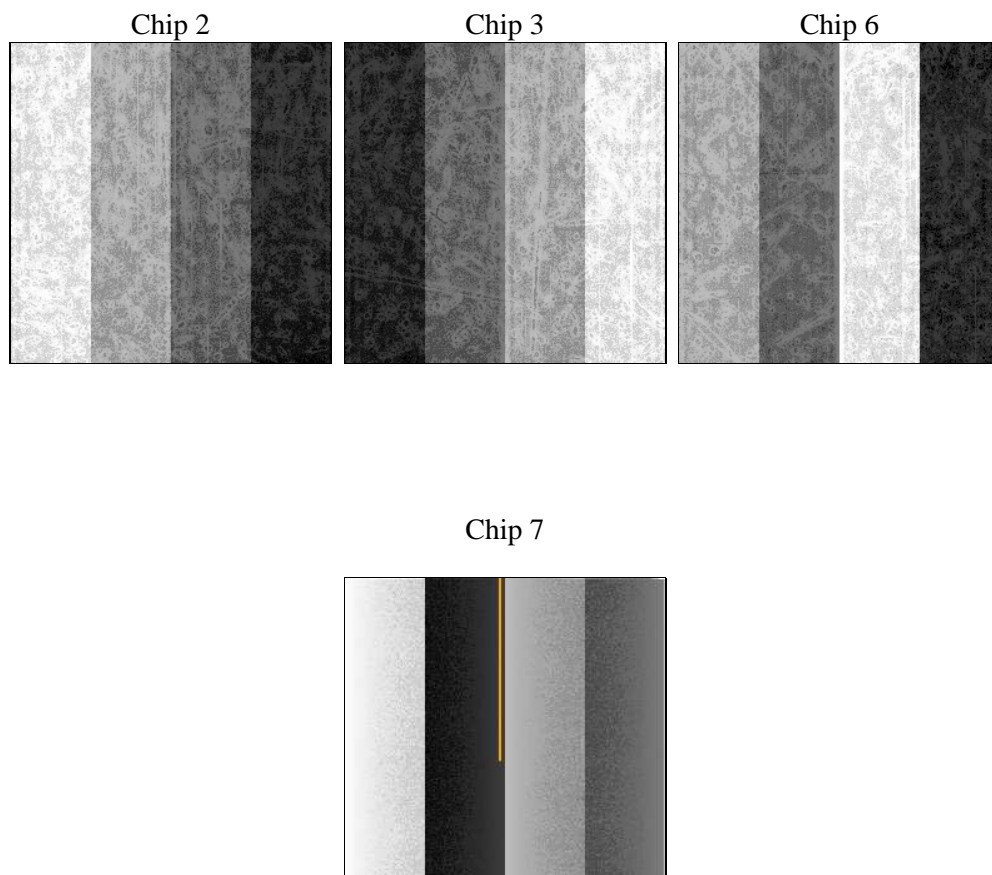
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	12000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	12058.125964582	Sum of GTIs [s]
caldsver	4.4.8	 	ontime2	12058.002844572	Sum of GTIs [s]
date	2012-02-26T04:46:21	Date and time of file creation	ontime3	12058.043884575	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	12058.084924579	Sum of GTIs [s]
			ontime7	12058.125964582	Sum of GTIs [s]
			l1events	311864	Number of level 1 events

2.1.4 Events

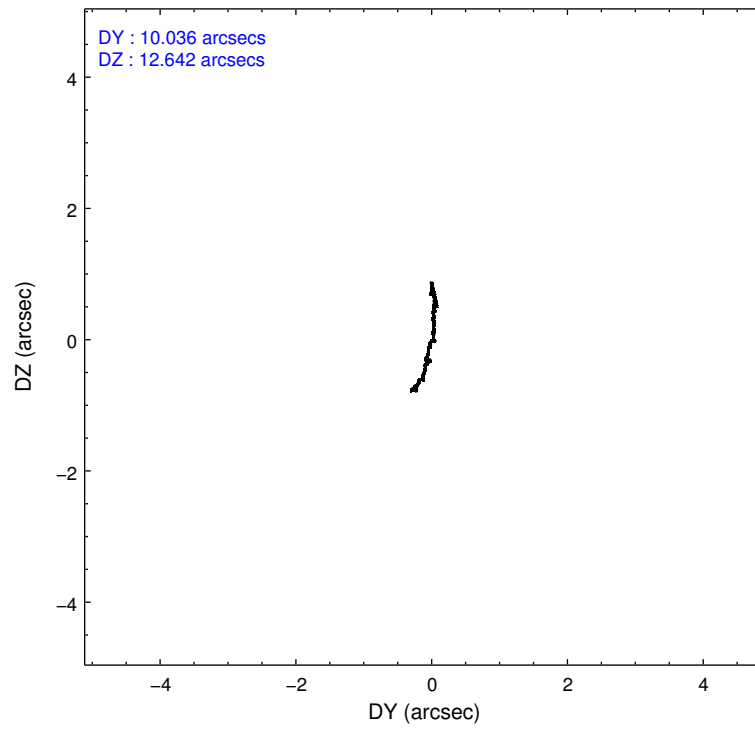
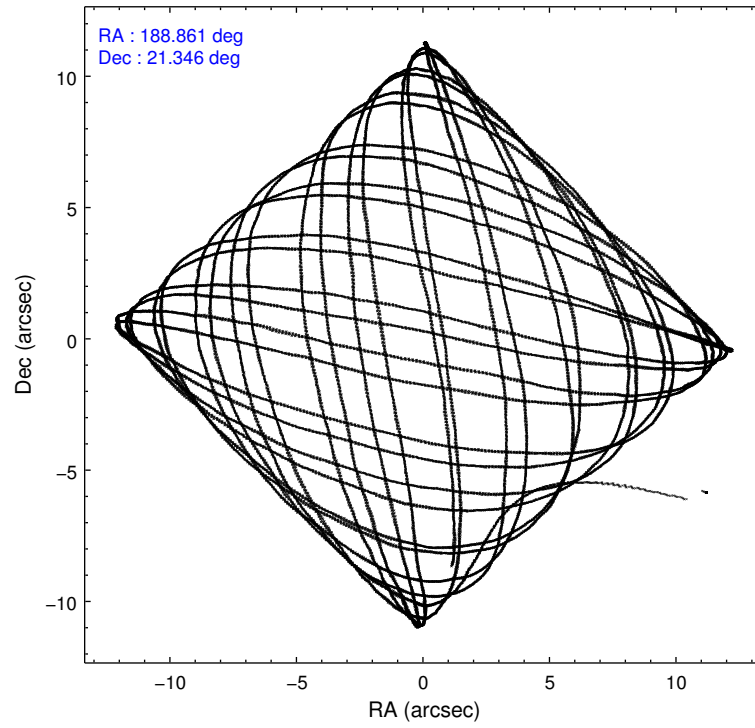
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	71682	69851	75649	94682
rejected events	63681	62054	67154	52310
rejected %	88%	88%	88%	55%

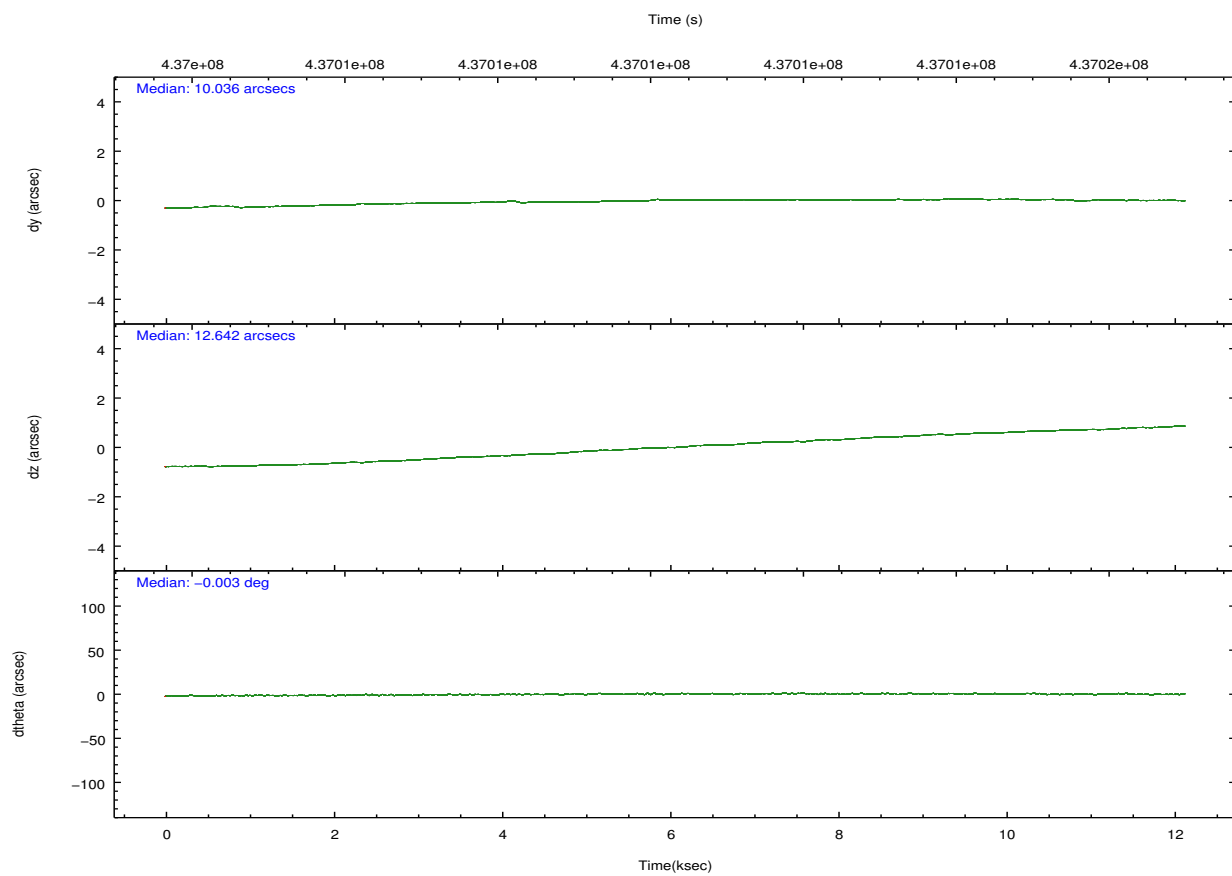
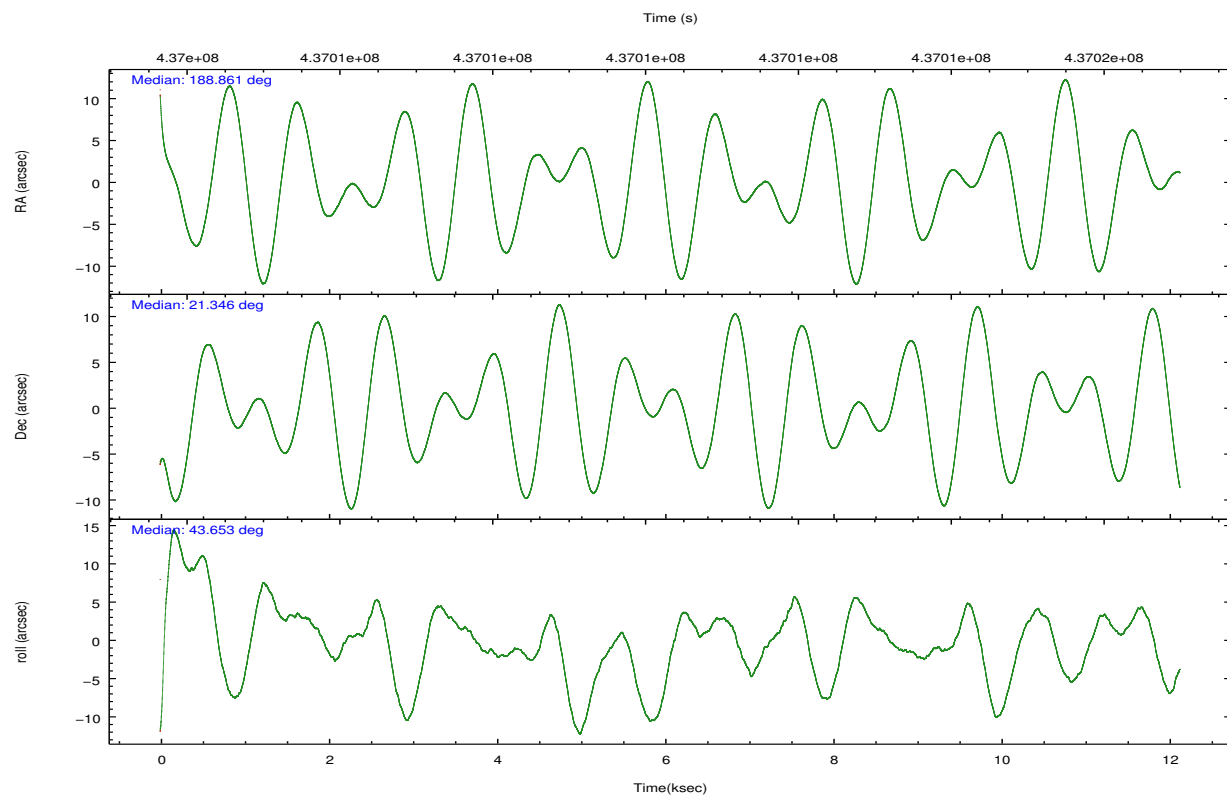
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2808	2634	2897	3768
	3%	3%	3%	3%
grade 1 events	42	31	50	92
	0%	0%	0%	0%
grade 2 events	1987	1765	1887	8579
	2%	2%	2%	9%
grade 3 events	834	873	855	3791
	1%	1%	1%	4%
grade 4 events	828	880	938	3738
	1%	1%	1%	3%
grade 5 events	2928	3611	3564	9884
	4%	5%	4%	10%
grade 6 events	1547	1646	1918	22510
	2%	2%	2%	23%
grade 7 events	60708	58411	63540	42320
	84%	83%	83%	44%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-2367	ACIS-2367	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	188.852746	188.8606292213591	CCD I2 on	O1	Y
[deg] Pointing Dec	21.319685	21.34600685135928	CCD I3 on	O2	Y
[deg] Pointing Roll	43.503087	43.65683286367876	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	Y	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	N	N
[s] Observation start time (MET)	437004371.184000	437003052.38228	CCD S5 on	N	N
Observation start date	2011-11-06T22:05:05	2011-11-06T21:44:12	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	437016371.184000	437016944.72051	On-chip summing requested	N	N
Observation end date	2011-11-07T01:25:05	2011-11-07T01:35:44	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



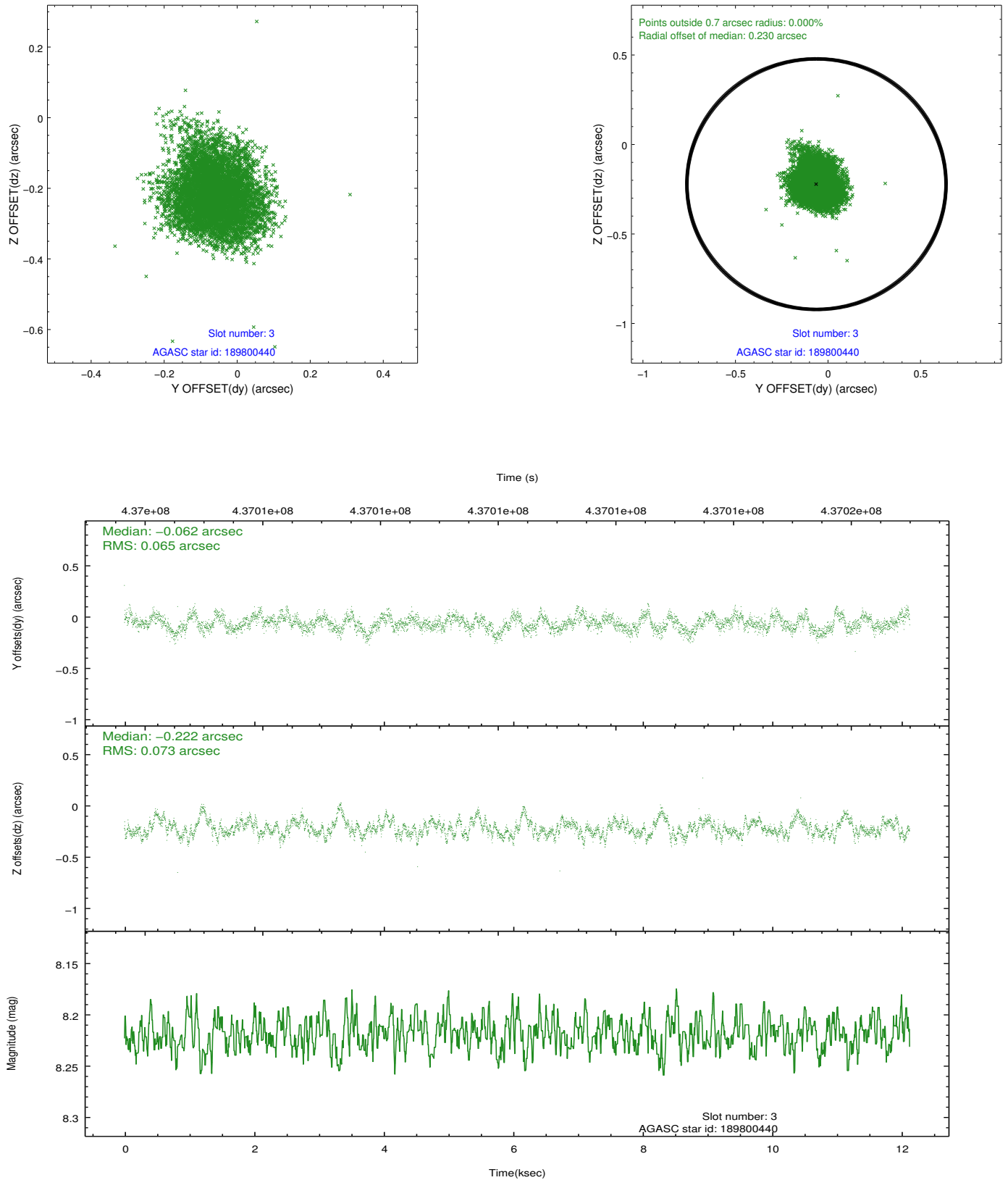


Slot Statistics

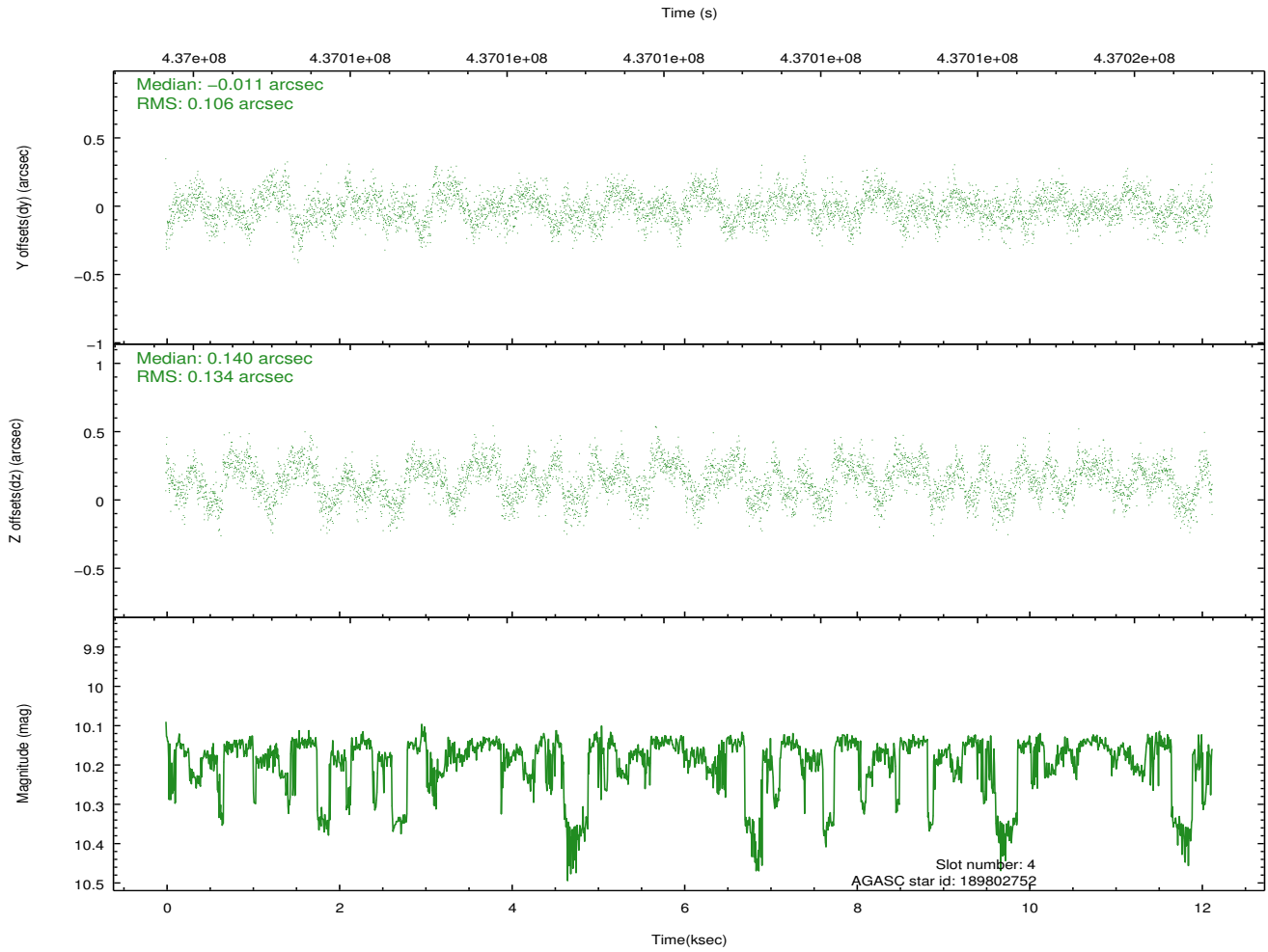
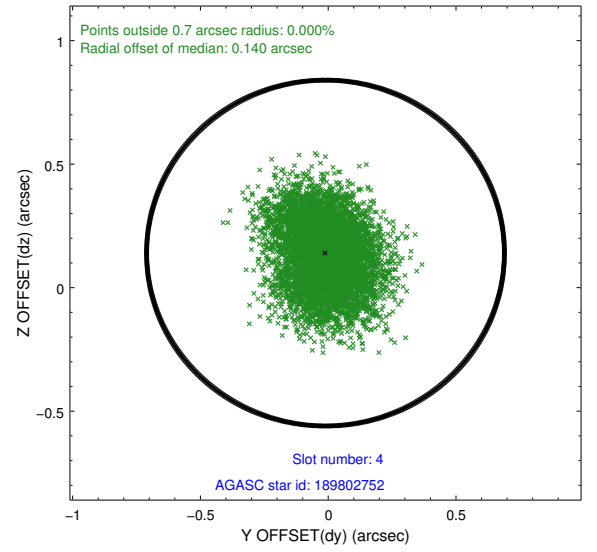
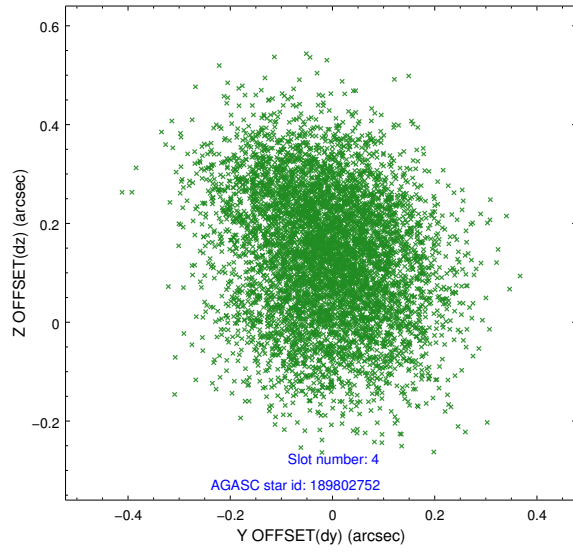
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.93	2959	-0.040	-0.033	0.011	0.017	0.000000	0.000000	-762.90	-1733.92
1	FID	ACIS-S-4	7.02	2959	0.182	0.029	0.010	0.016	0.000000	0.000000	2150.46	174.13
2	FID	ACIS-S-5	7.04	2959	-0.173	0.014	0.010	0.016	0.000000	0.000000	-1815.30	168.34
3	GUIDE	189800440	8.22	5917	-0.062	-0.222	0.103	0.166	188.699460	21.547648	192.88	948.39
4	GUIDE	189802752	10.17	5861	-0.011	0.140	0.186	0.291	189.067032	21.221480	276.49	-750.12
5	GUIDE	189810640	8.15	5917	0.045	0.157	0.105	0.155	188.635054	20.899531	-1571.69	-592.98
6	GUIDE	189816152	10.43	5843	0.149	0.270	0.216	0.353	189.278815	20.850286	-121.96	-2210.78
7	GUIDE	189813416	10.46	5888	-0.143	-0.327	0.291	0.438	188.612909	22.018513	1151.44	2375.61

2.4 Star Slots

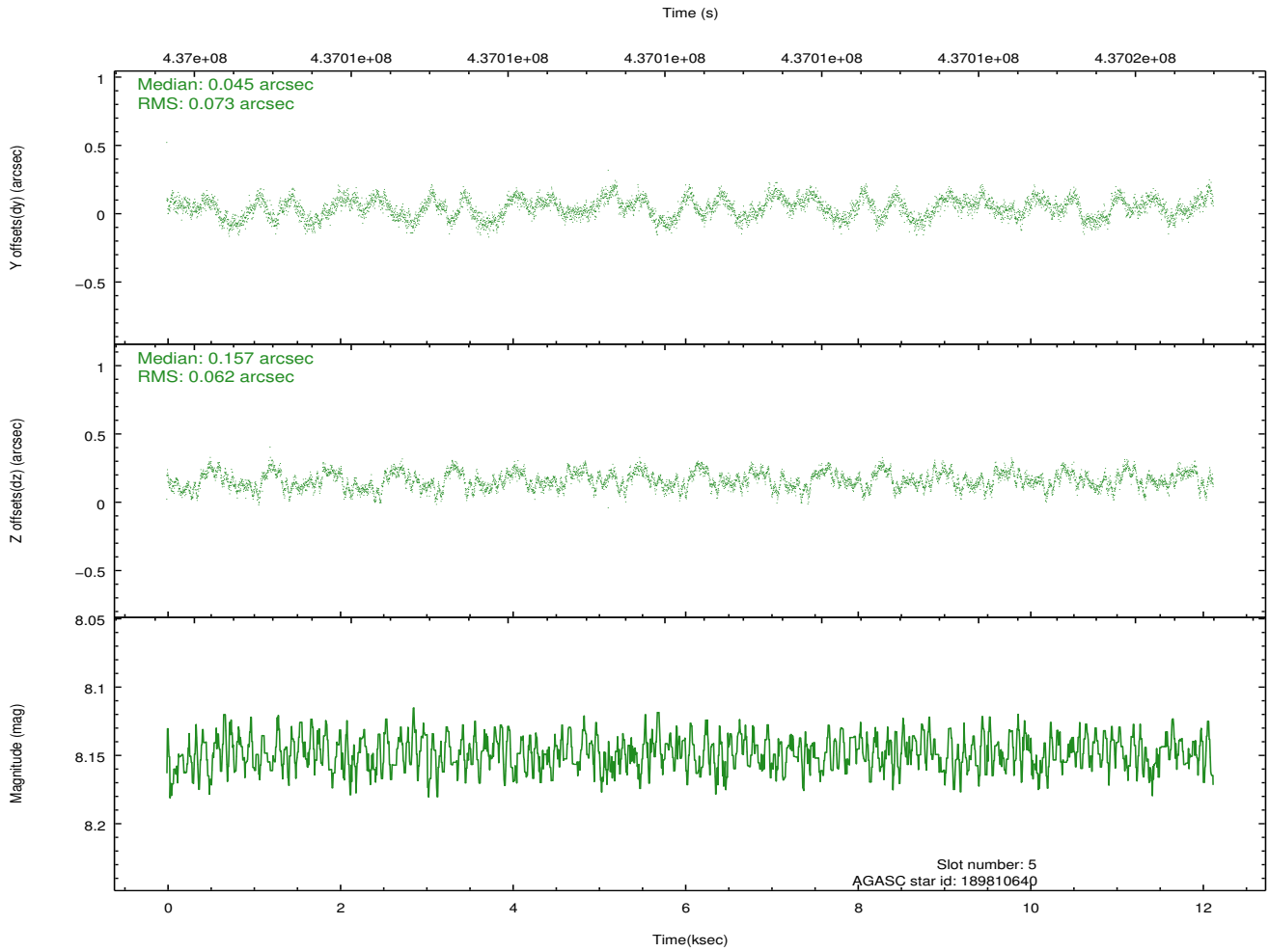
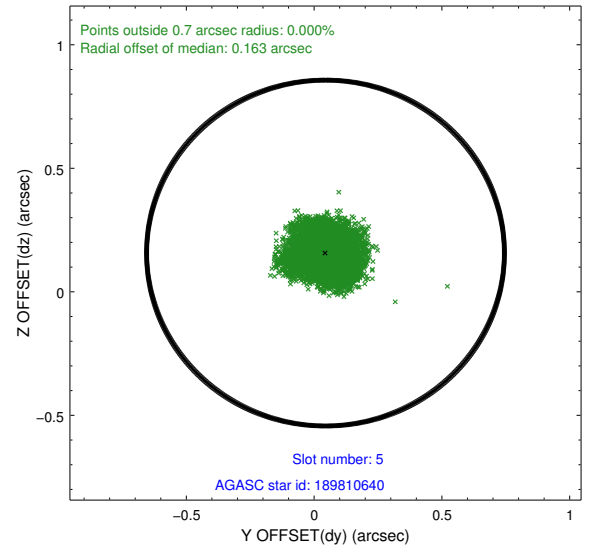
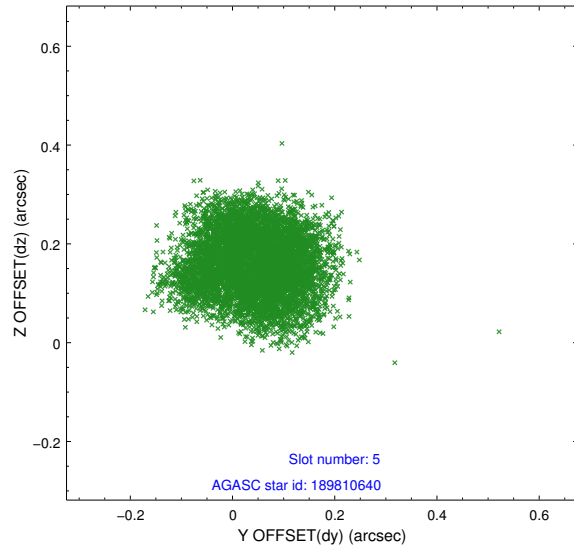
2.4.1 Slot 3



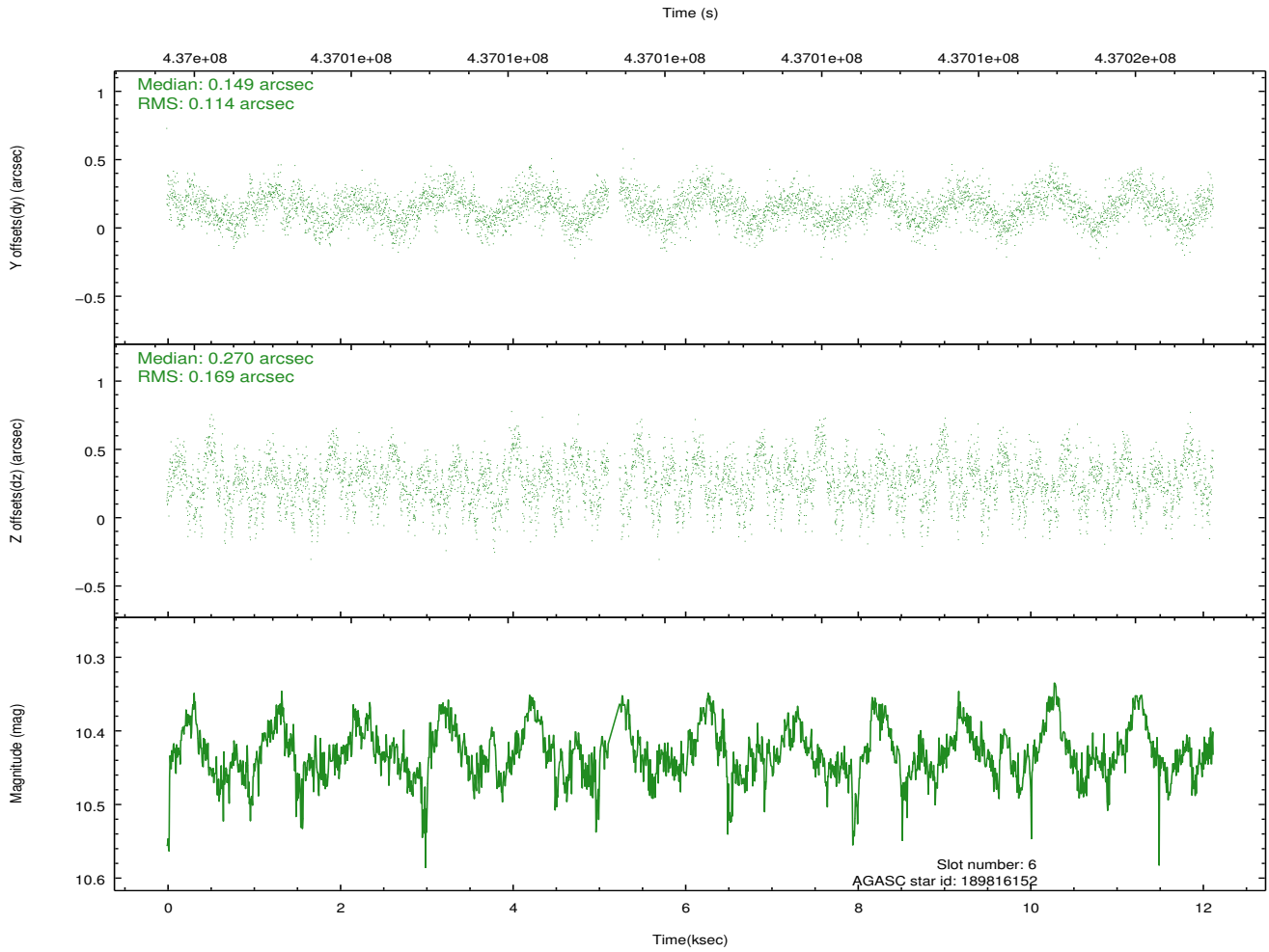
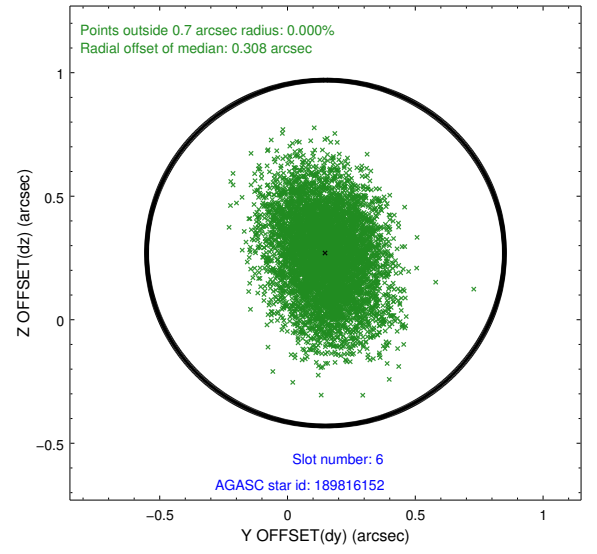
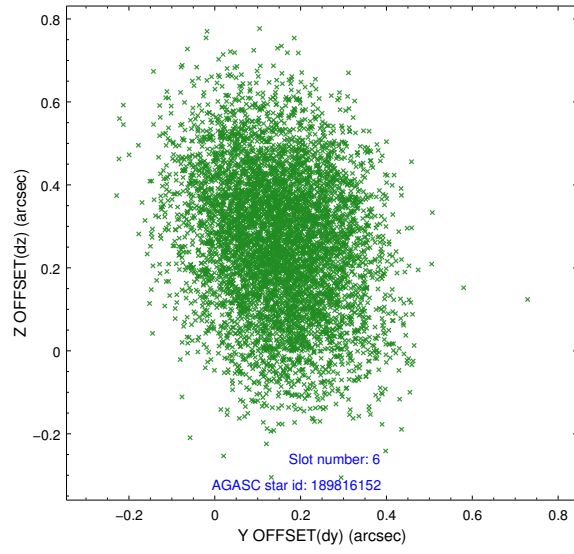
2.4.2 Slot 4



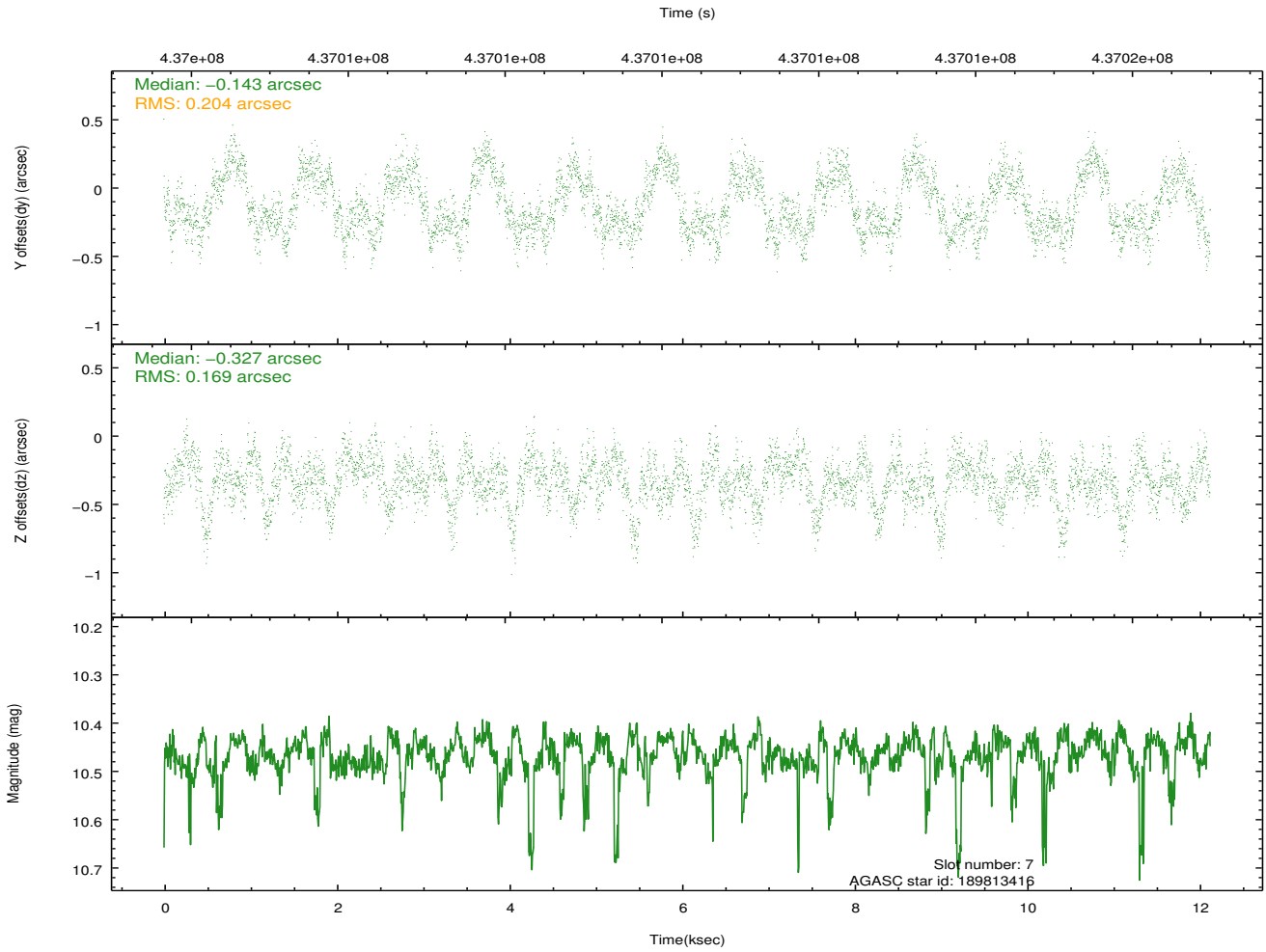
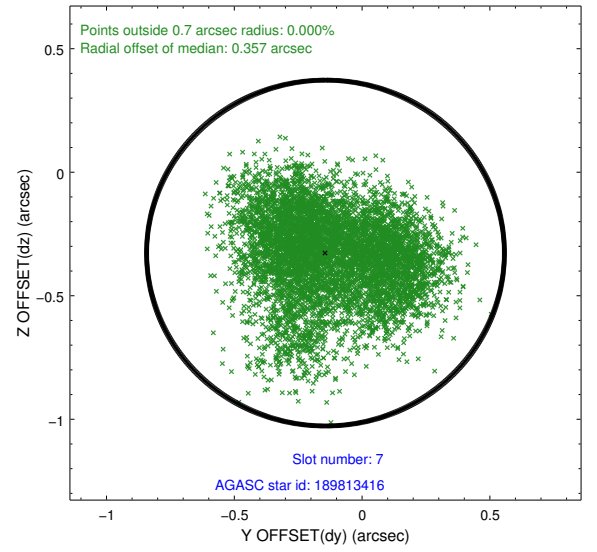
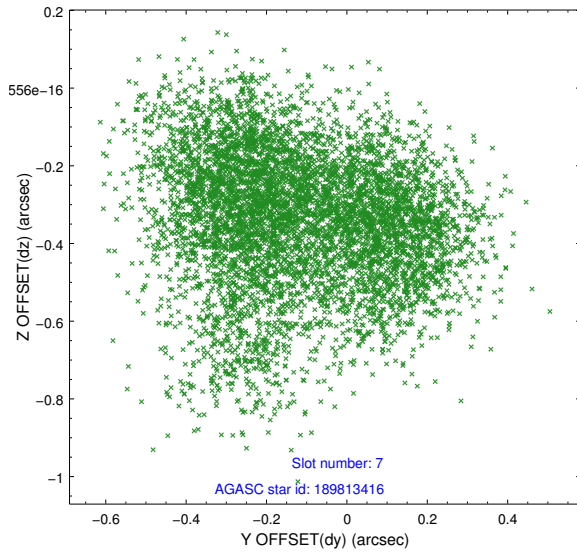
2.4.3 Slot 5



2.4.4 Slot 6

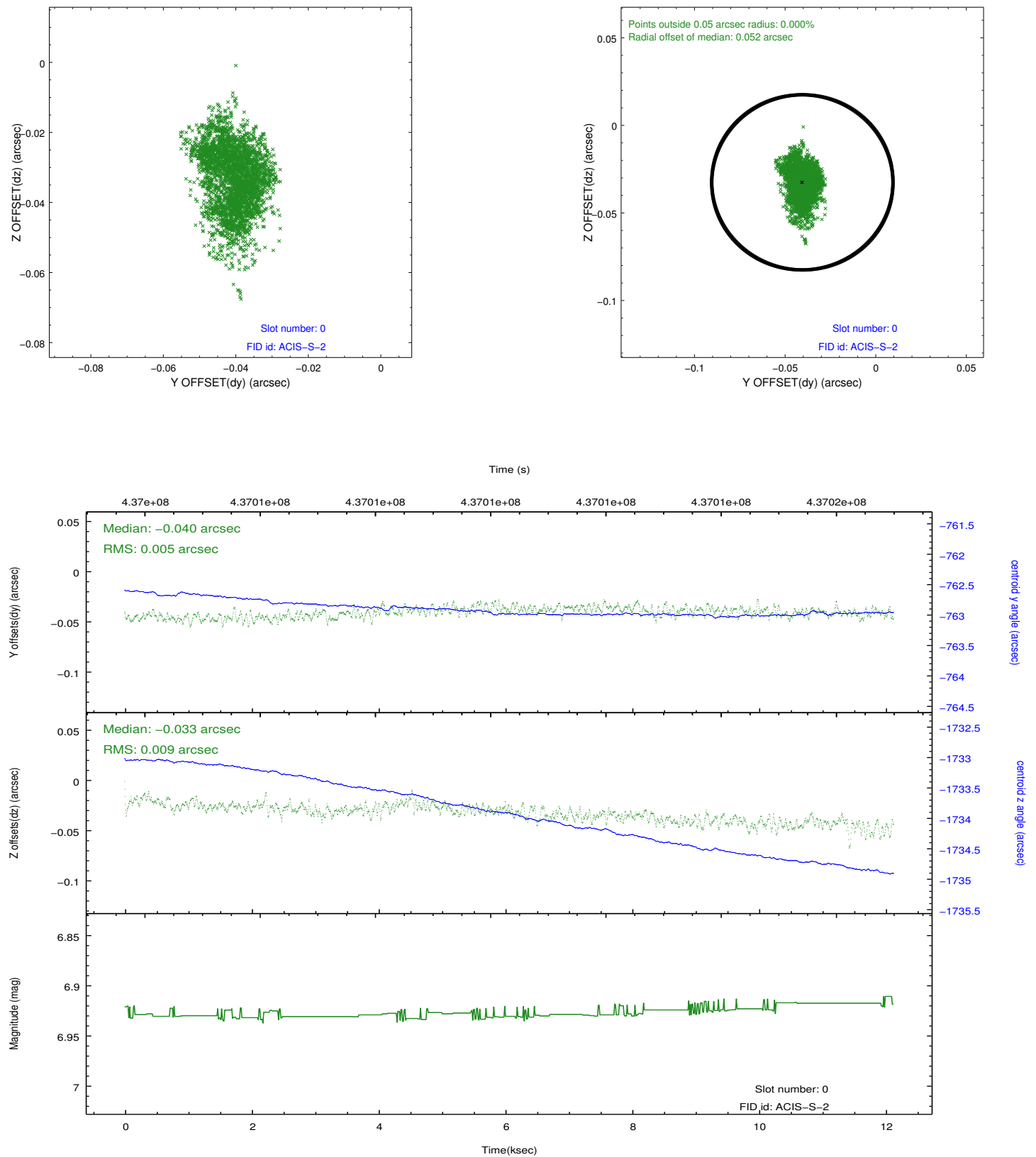


2.4.5 Slot 7

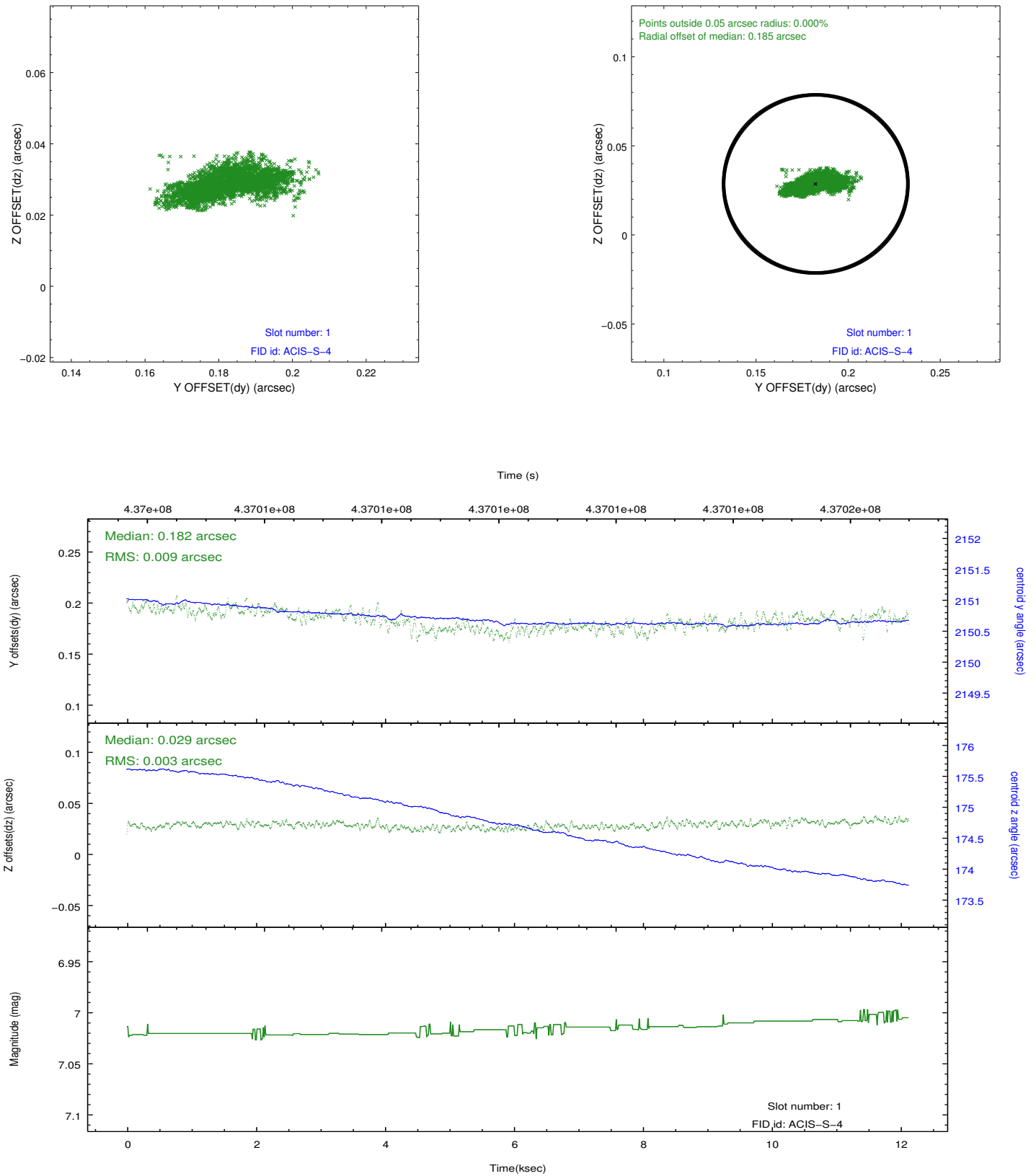


2.5 FID Slots

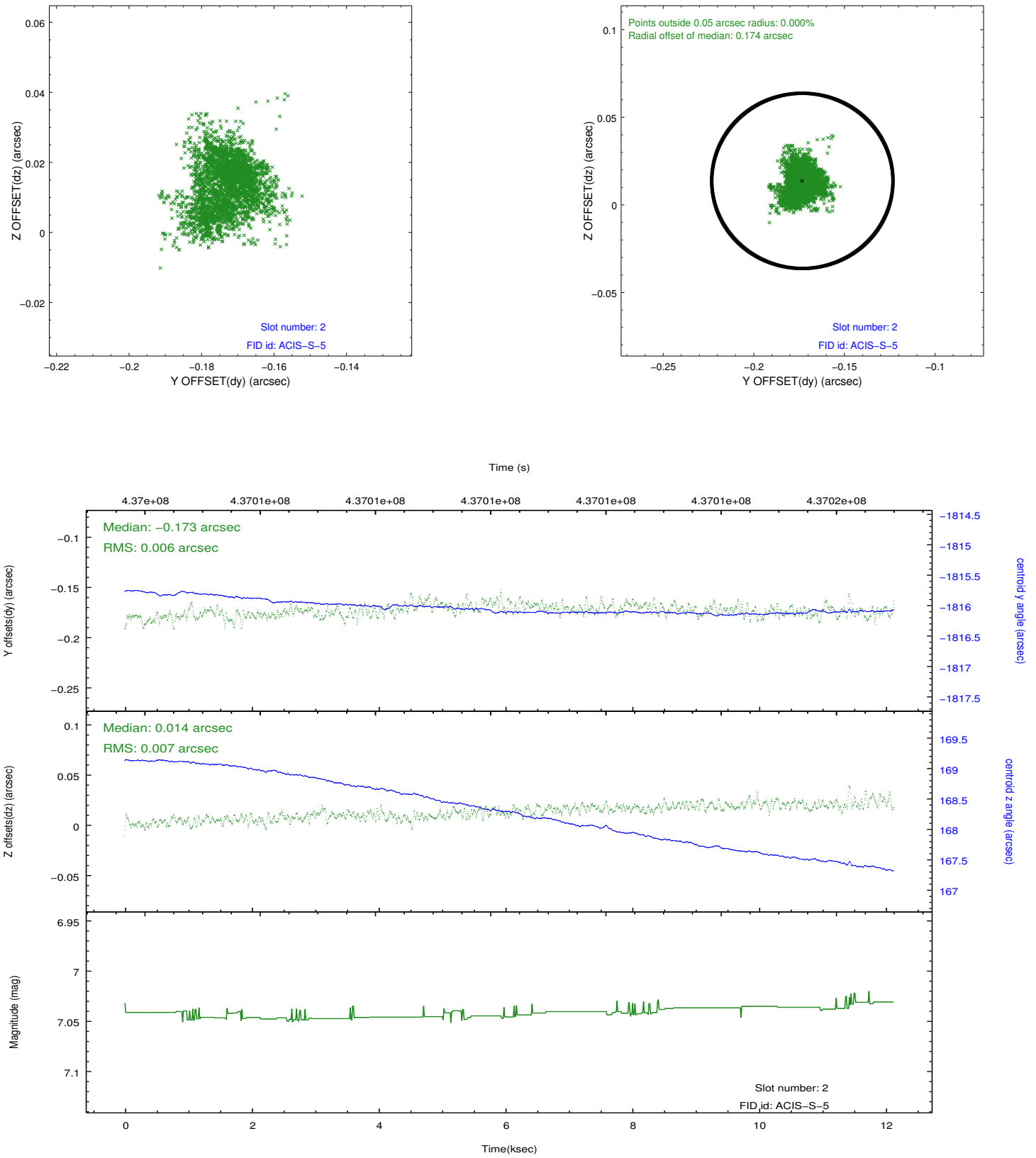
2.5.1 Slot 0



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)	2012.02.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.058125966668

A.2 Comments