

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11695 - L2 Version 2
Chandra X-Ray Center

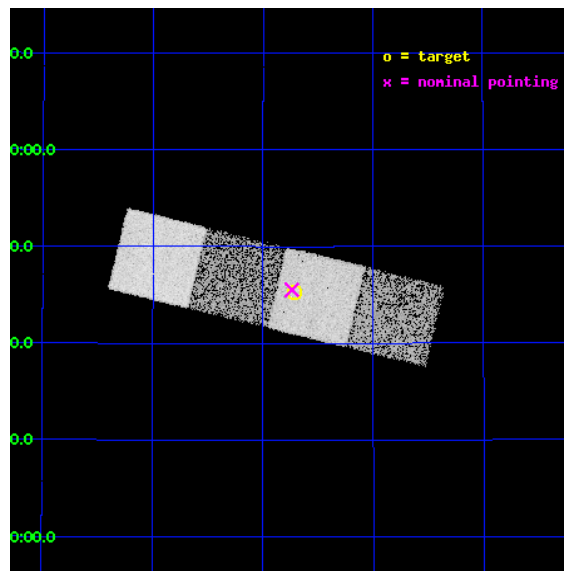
L2 Processing Date : Jun 18 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

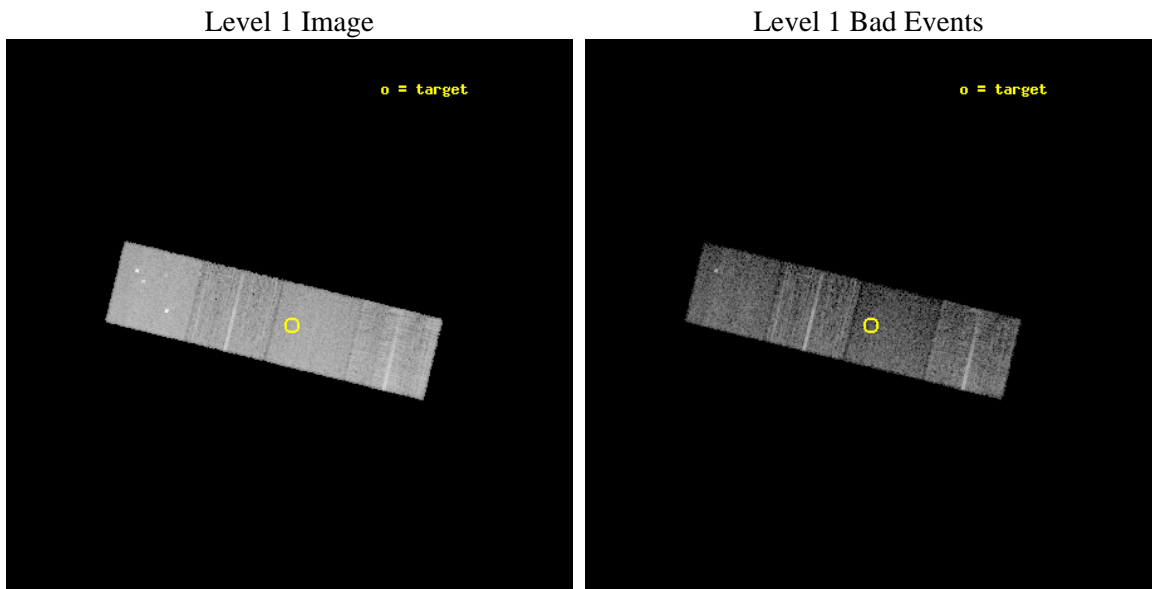
seq_num	702280	Sequence number
obs_id	11695	Observation id
title	Chandra survey of Polar Broad Absorption-Line Quasars	Proposal tit
observer	Dr. Kajal Ghosh	Principal investigator
object	SDSS J165543.24+394519.9	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	253.93	Observer's specified target RA [deg]
dec_targ	39.755528	Observer's specified target Dec [deg]
ra_nom	253.93439137049	Nominal RA [deg]
dec_nom	39.758972517565	Nominal Dec [deg]
roll_nom	13.637772169364	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6128.7000471354	Sum of GTIs [s]
livetime	6048.6240691362	Livetime [s]
ontime5	6128.7000471354	Sum of GTIs [s]
ontime6	6128.7000471354	Sum of GTIs [s]
ontime7	6128.7000471354	Sum of GTIs [s]
ontime8	6128.7000471354	Sum of GTIs [s]
l2events	73590	Number of level 2 events



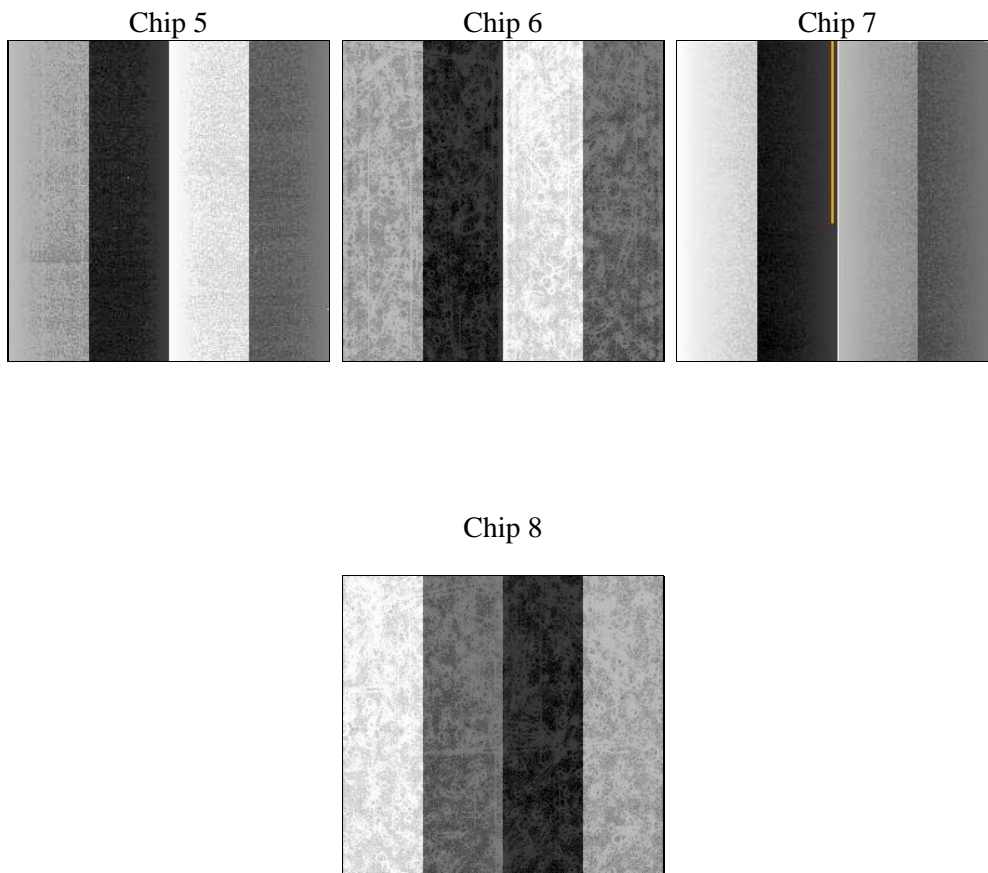
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	6128.7000471354	Sum of GTIs [s]
caldsver	4.4.10	 	ontime5	6128.7000471354	Sum of GTIs [s]
date	2012-06-18T07:33:43	Date and time of file creation	ontime6	6128.7000471354	Sum of GTIs [s]
revision	2	Processing version of data	ontime7	6128.7000471354	Sum of GTIs [s]
			ontime8	6128.7000471354	Sum of GTIs [s]
			l1events	331240	Number of level 1 events

2.1.4 Events

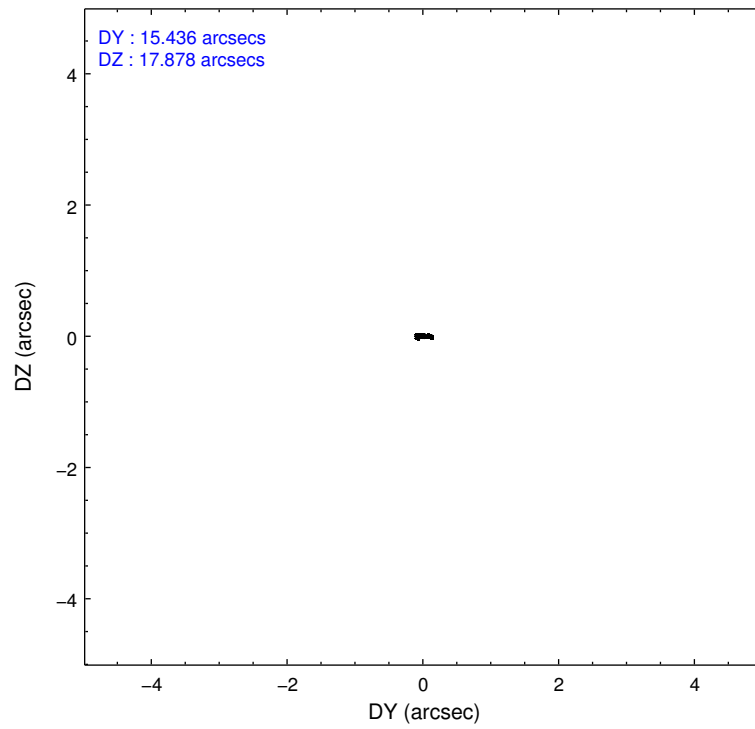
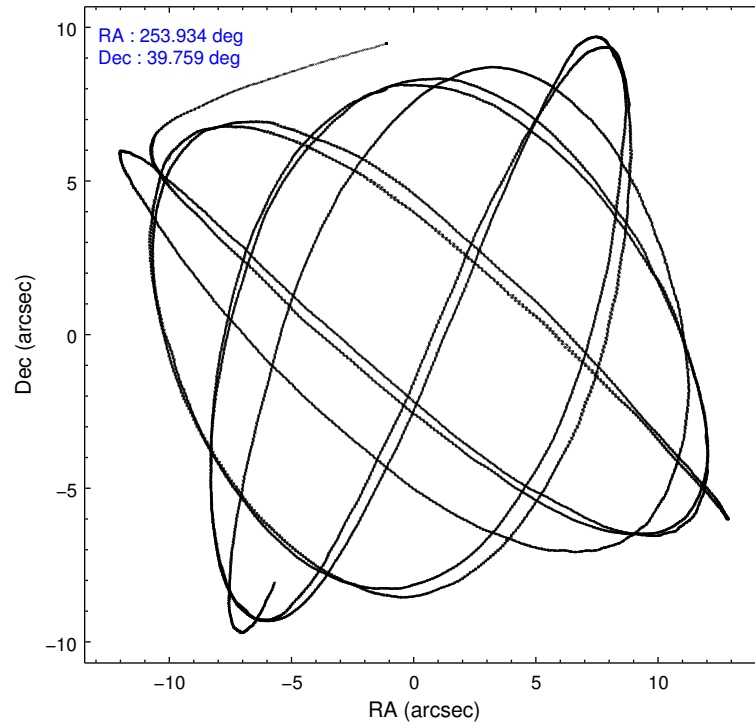
	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	99135	67512	77489	87104
rejected events	59607	61886	49573	69042
rejected %	60%	91%	63%	79%

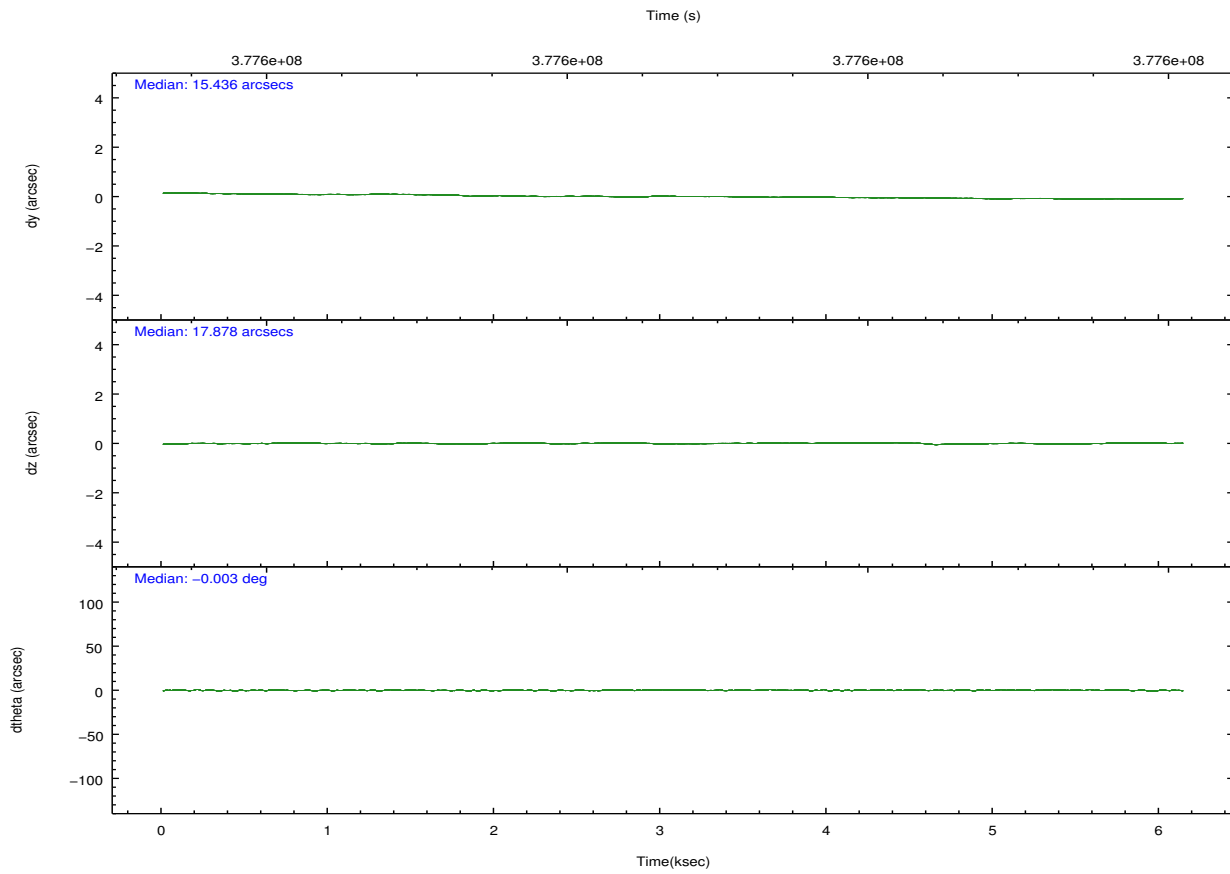
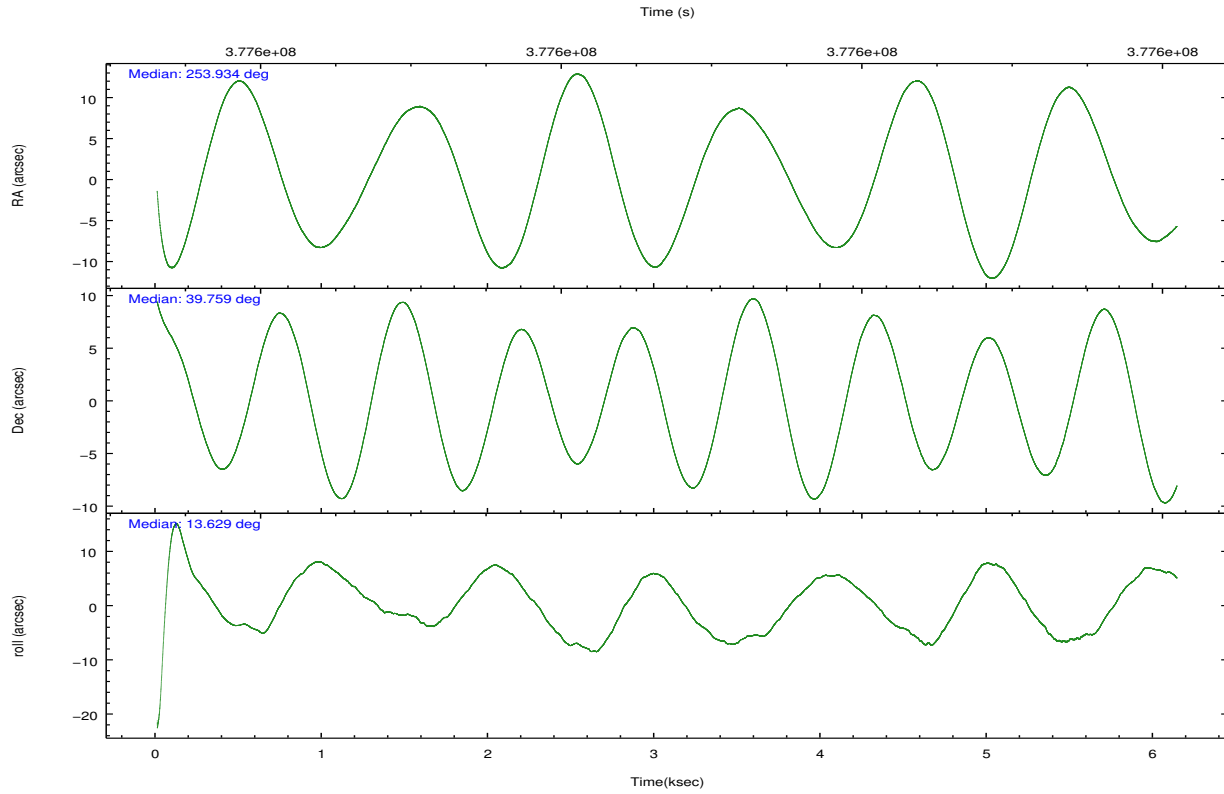
	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	6356	2551	3470	6866
	6%	3%	4%	7%
grade 1 events	204	33	114	75
	0%	0%	0%	0%
grade 2 events	15003	1555	7296	5395
	15%	2%	9%	6%
grade 3 events	1892	755	3217	2403
	1%	1%	4%	2%
grade 4 events	1770	780	3195	2244
	1%	1%	4%	2%
grade 5 events	7442	2852	7992	4049
	7%	4%	10%	4%
grade 6 events	25224	1551	18350	6124
	25%	2%	23%	7%
grade 7 events	41244	57435	33855	59948
	41%	85%	43%	68%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-5678	ACIS-5678	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	253.909033	253.9343913704928	Subarray requested	NONE	NONE
[deg] Pointing Dec	39.739829	39.7589725175648	Alternating exposures requested	N	N
[deg] Pointing Roll	13.497440	13.63777216936377	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	377597780.184000	377596008.16885			
Observation start date	2009-12-19T08:15:14	2009-12-19T07:46:48			
[s] Observation end time (MET)	377603780.184000	377605310.04432			
Observation end date	2009-12-19T09:55:14	2009-12-19T10:21:50			
Read mode	TIMED	TIMED			

2.3 Aspect



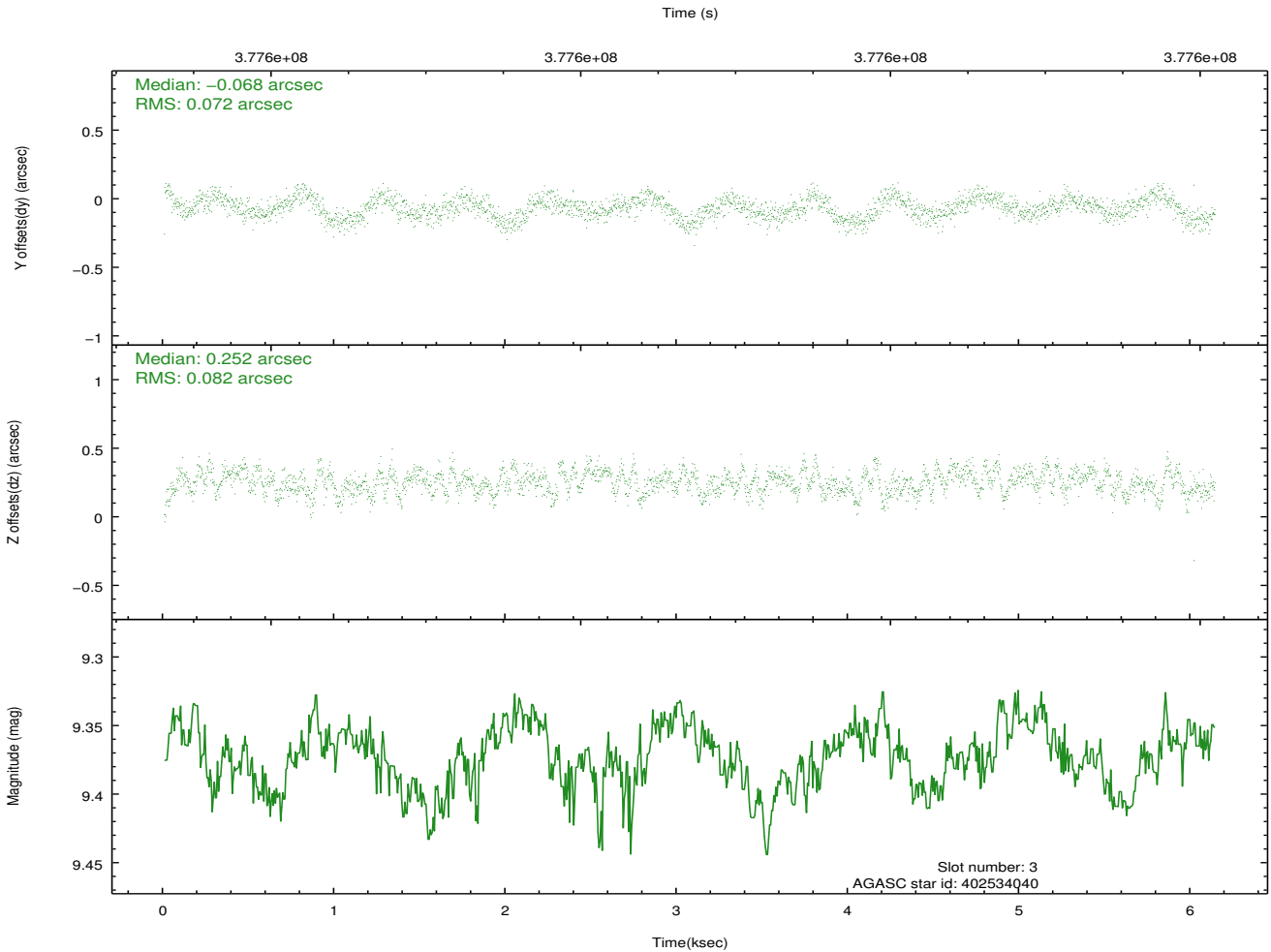
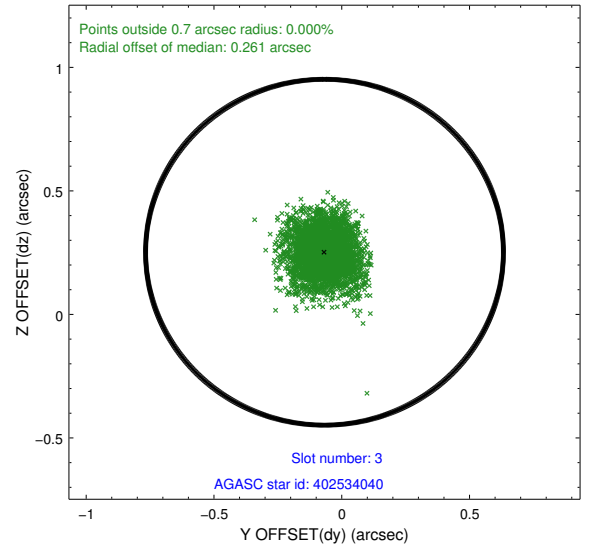
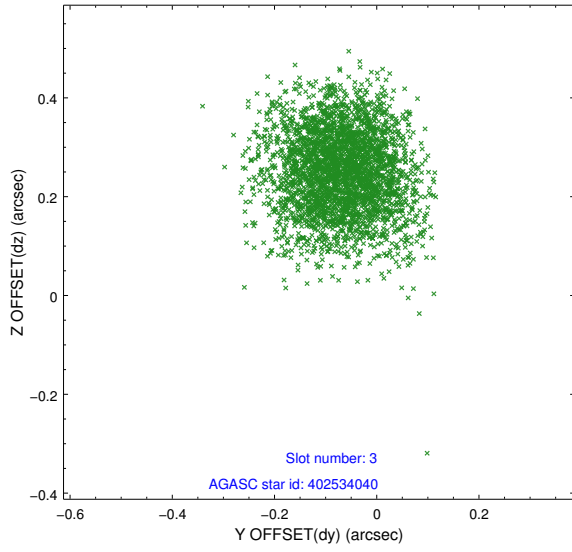


Slot Statistics

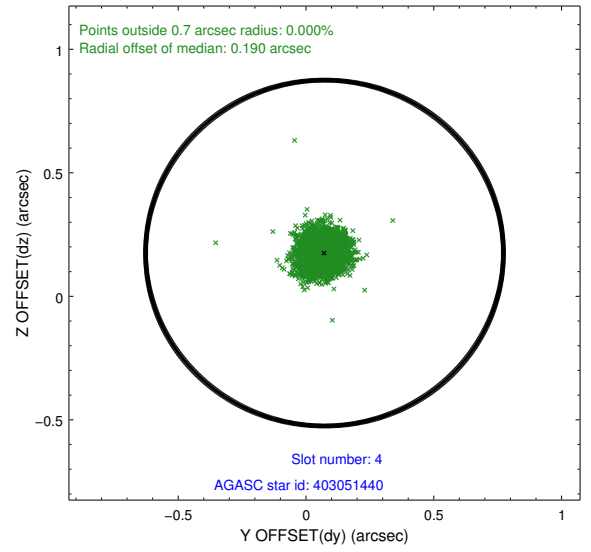
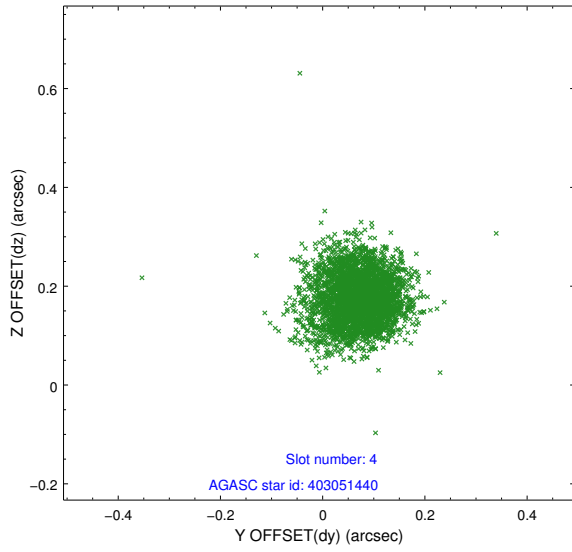
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.87	1497	-0.067	-0.041	0.006	0.011	0.000000	0.000000	-768.53	-1739.30
1	FID	ACIS-S-4	6.96	1497	0.167	0.043	0.005	0.009	0.000000	0.000000	2144.58	168.19
2	FID	ACIS-S-5	6.99	1497	-0.131	0.006	0.006	0.010	0.000000	0.000000	-1820.16	163.02
3	GUIDE	402534040	9.37	2993	-0.068	0.252	0.115	0.187	254.263930	39.204422	513.81	-2103.08
4	GUIDE	403051440	8.77	2993	0.072	0.175	0.073	0.119	254.248539	40.178336	1277.39	1318.29
5	GUIDE	403054480	7.87	2994	0.131	0.019	0.061	0.096	253.842389	39.856144	-80.43	450.48
6	GUIDE	403055040	8.21	2994	0.036	0.173	0.074	0.114	254.595261	39.709937	1825.03	-541.94
7	GUIDE	403057264	7.77	2992	-0.167	-0.619	0.074	0.108	254.142170	40.104389	931.45	1126.31

2.4 Star Slots

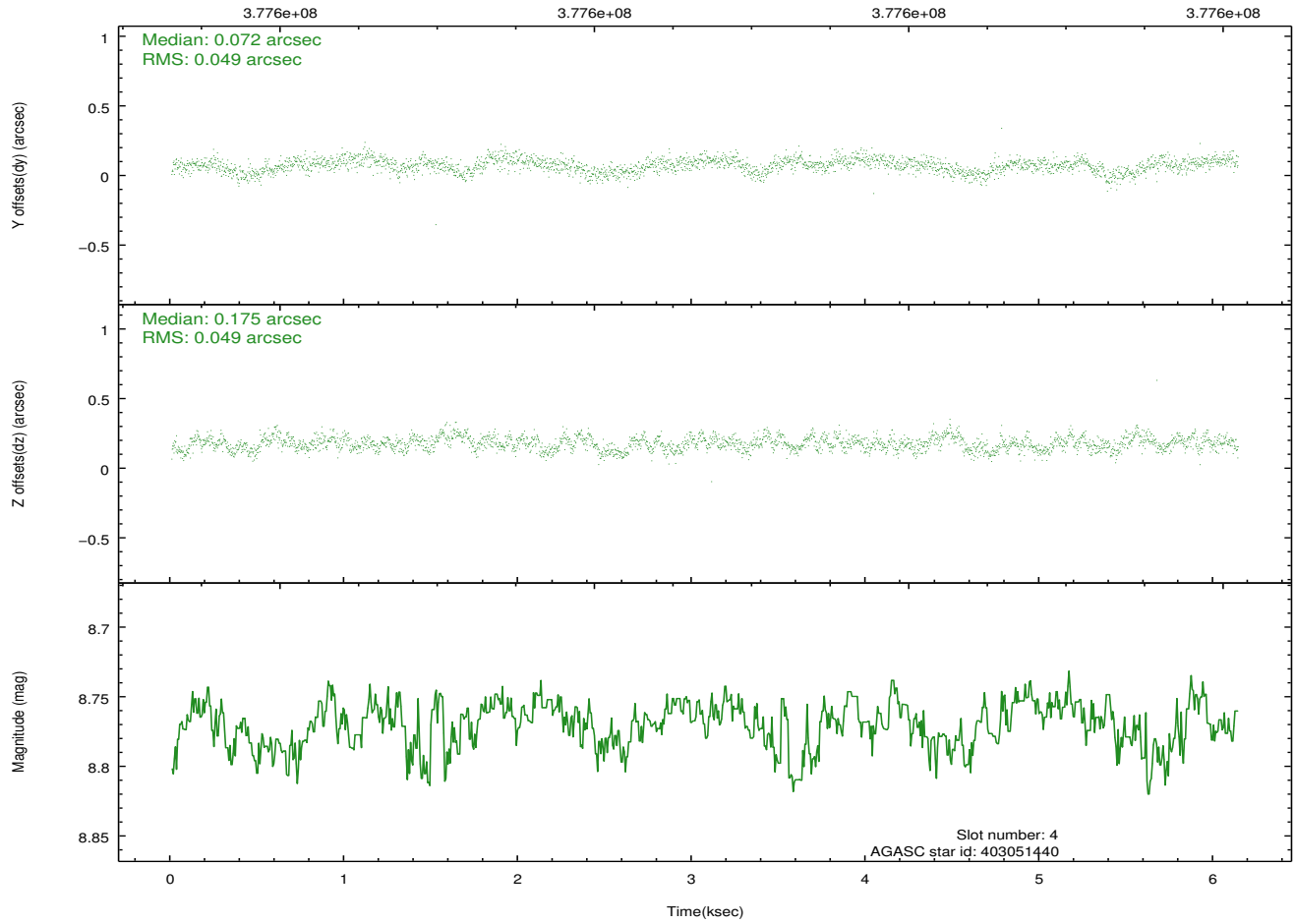
2.4.1 Slot 3



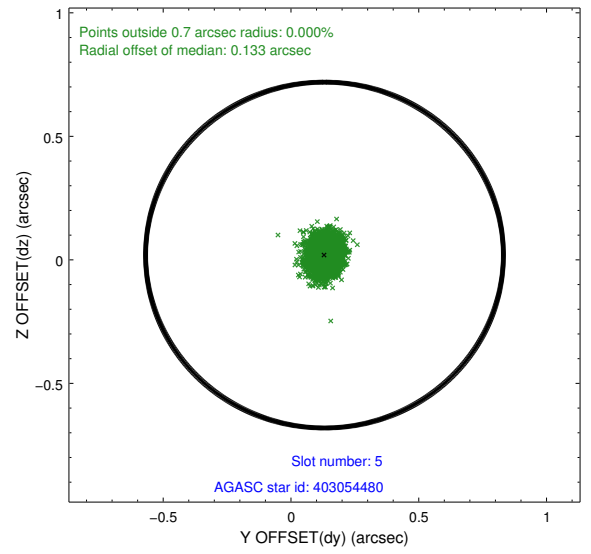
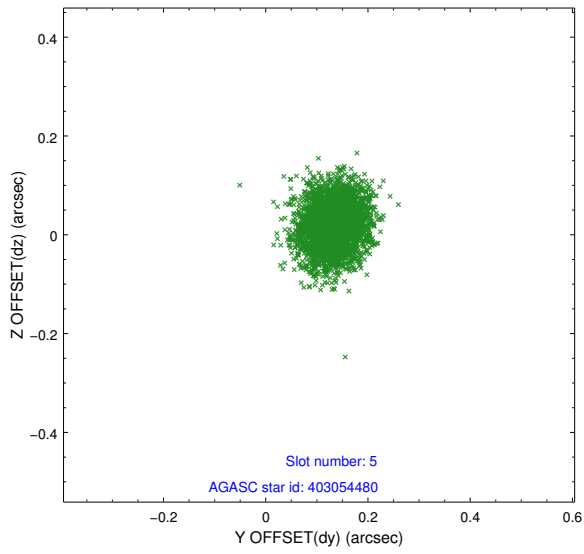
2.4.2 Slot 4



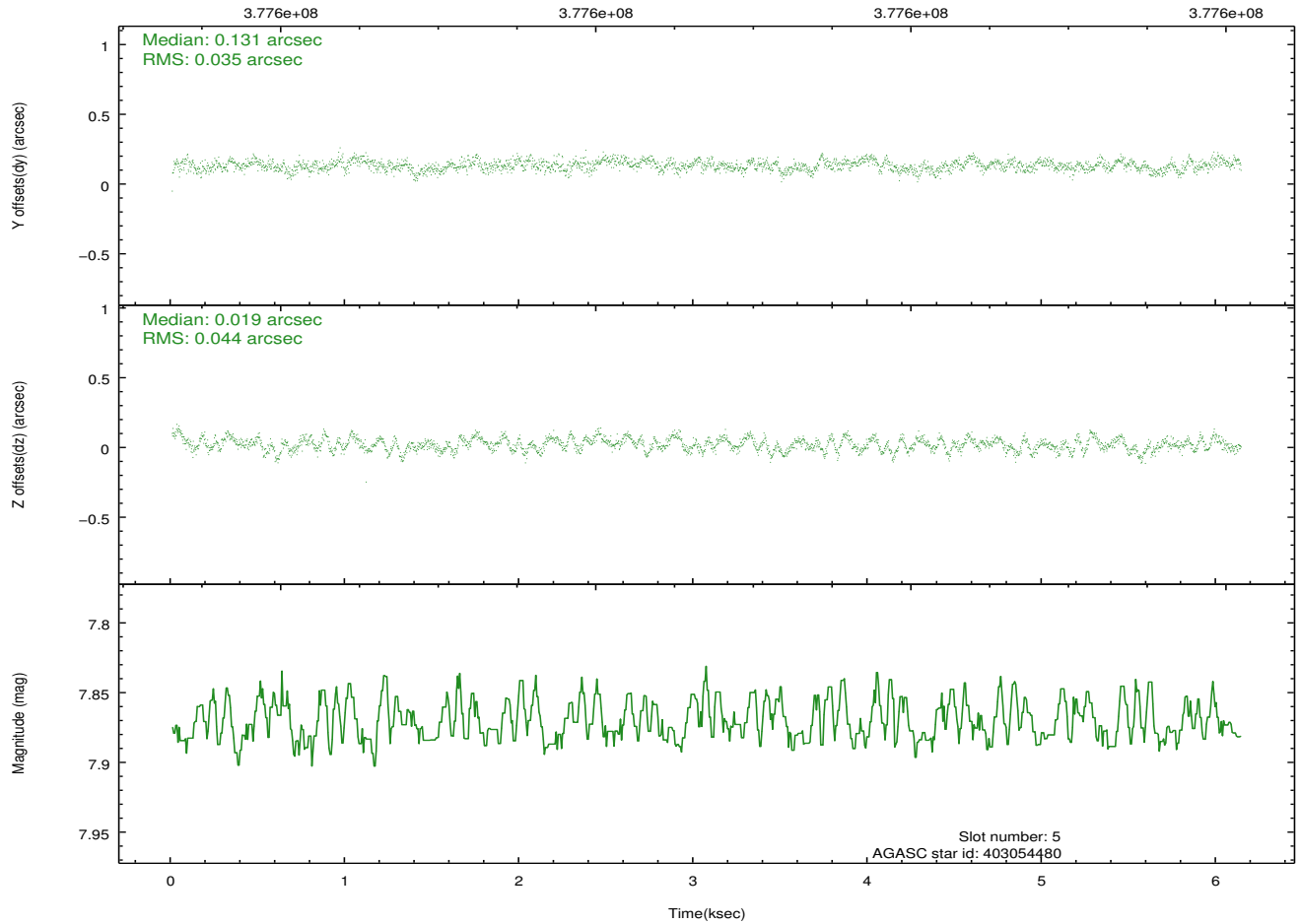
Time (s)



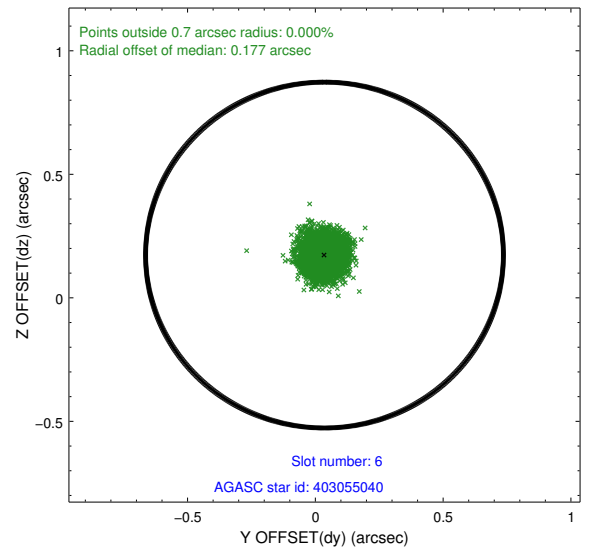
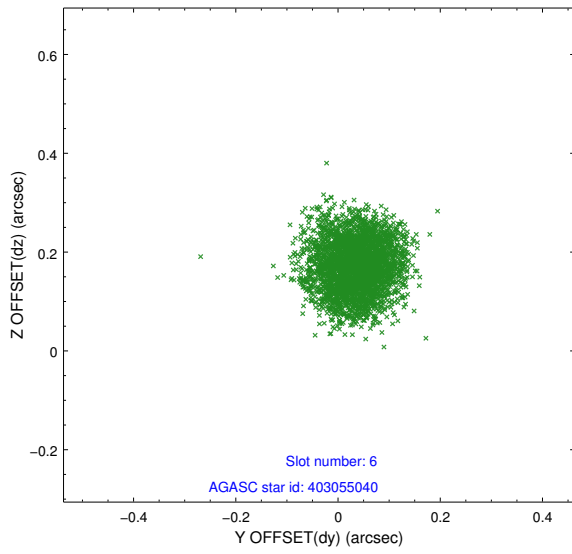
2.4.3 Slot 5



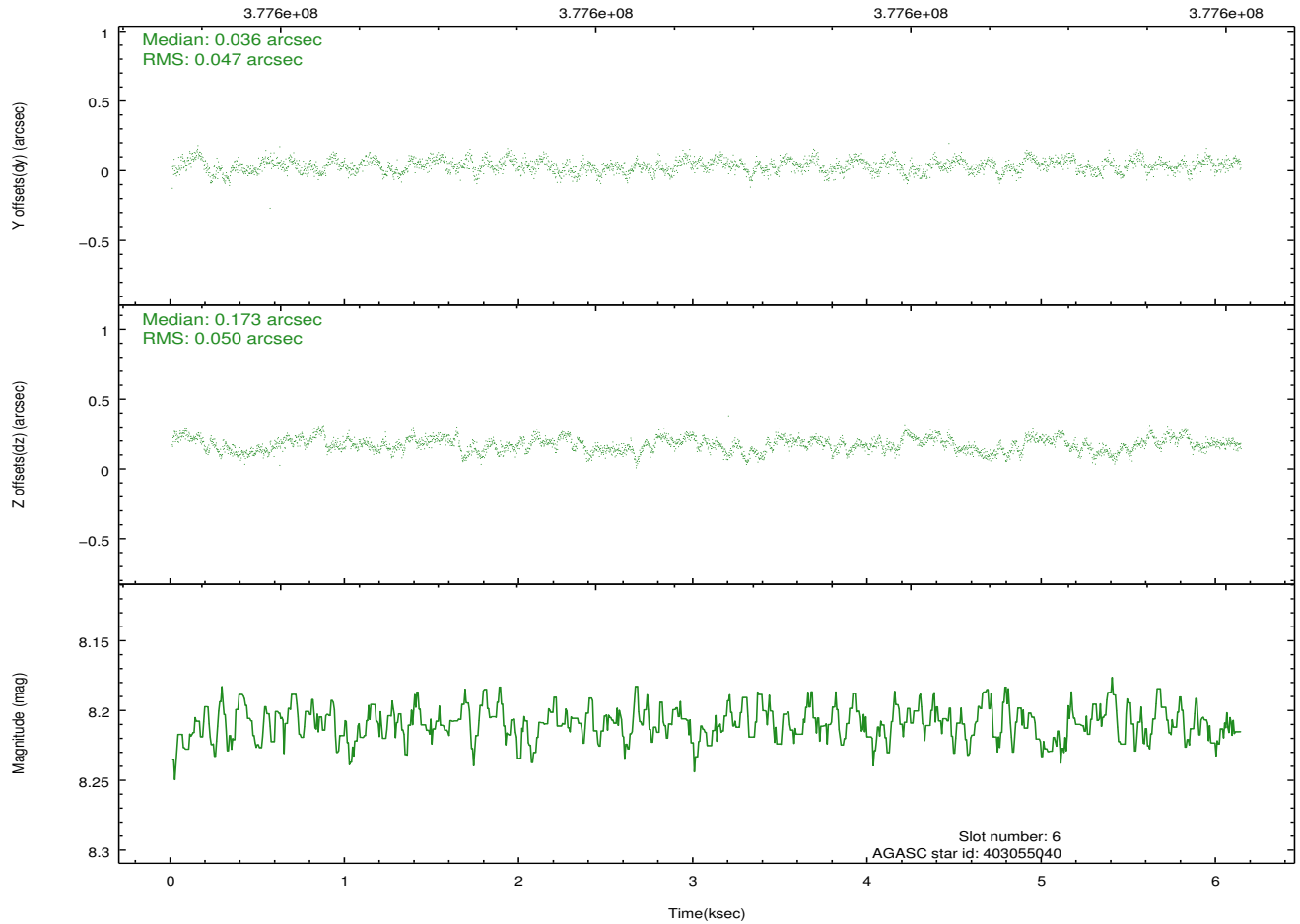
Time (s)



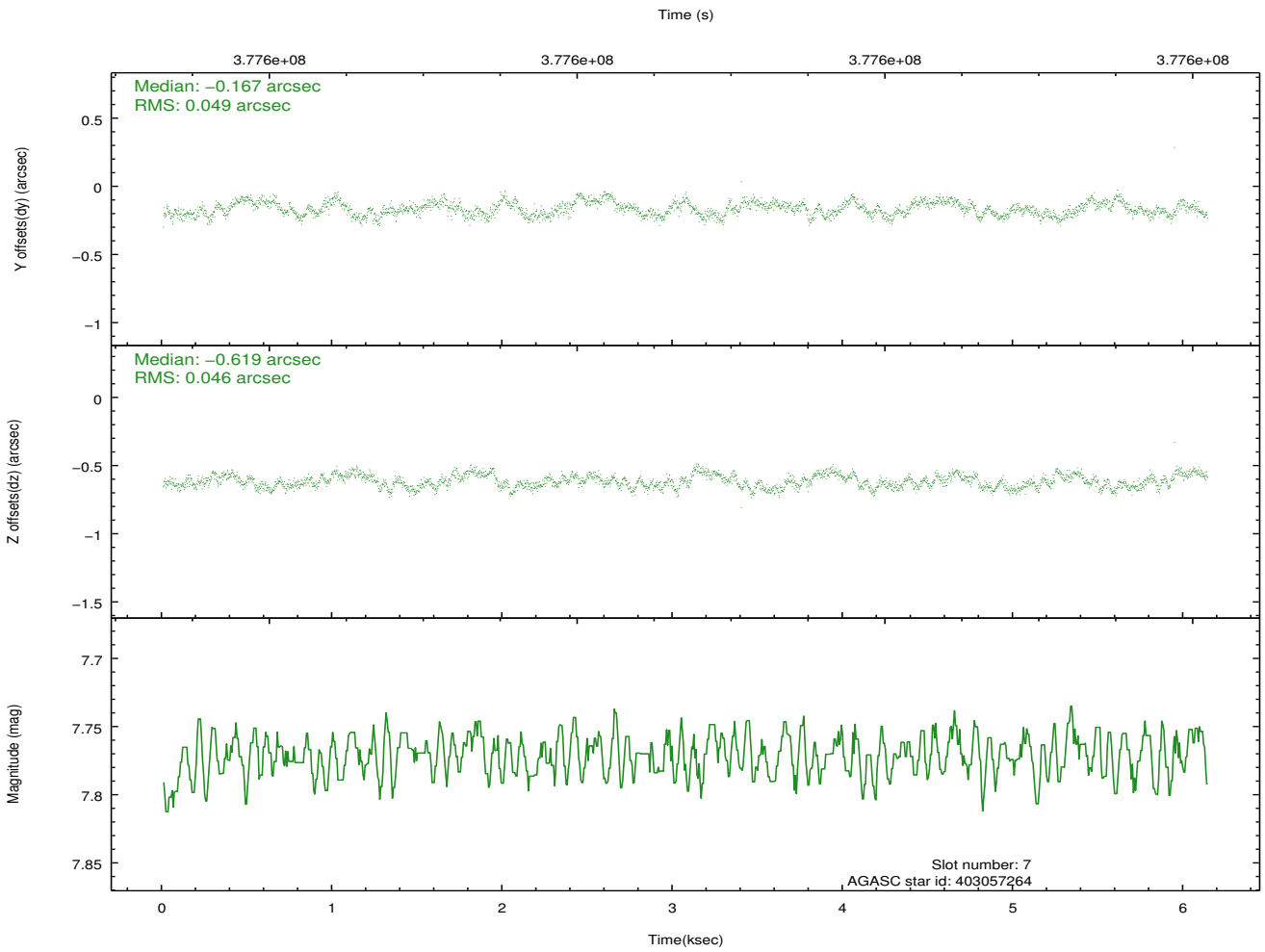
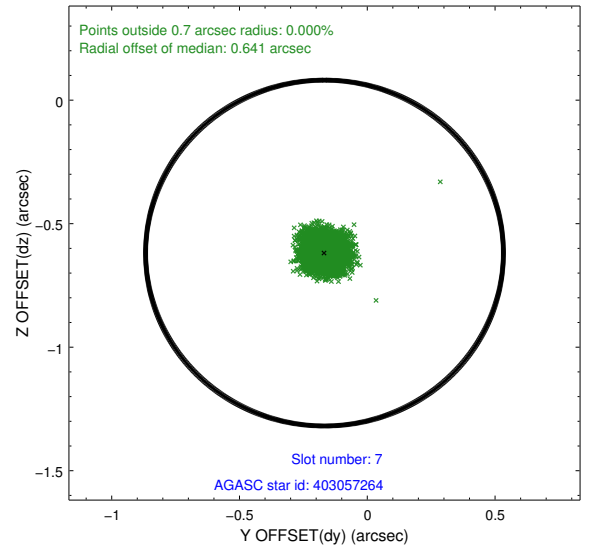
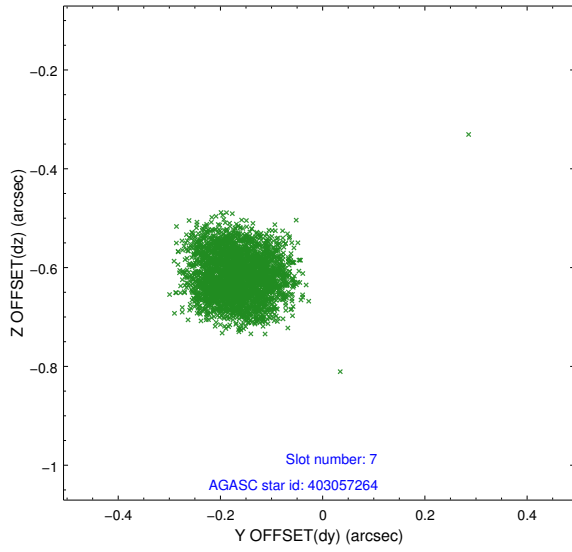
2.4.4 Slot 6



Time (s)

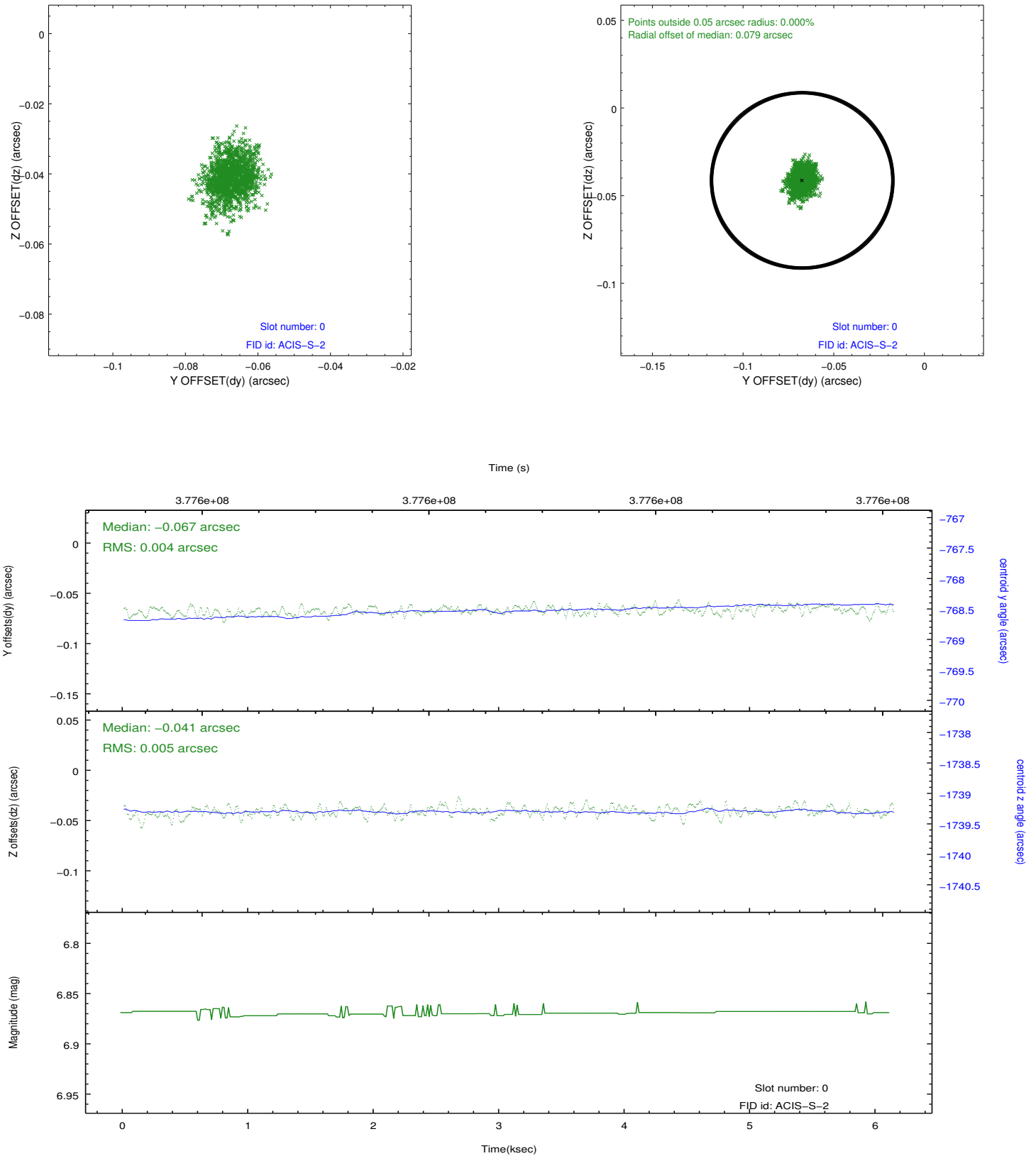


2.4.5 Slot 7

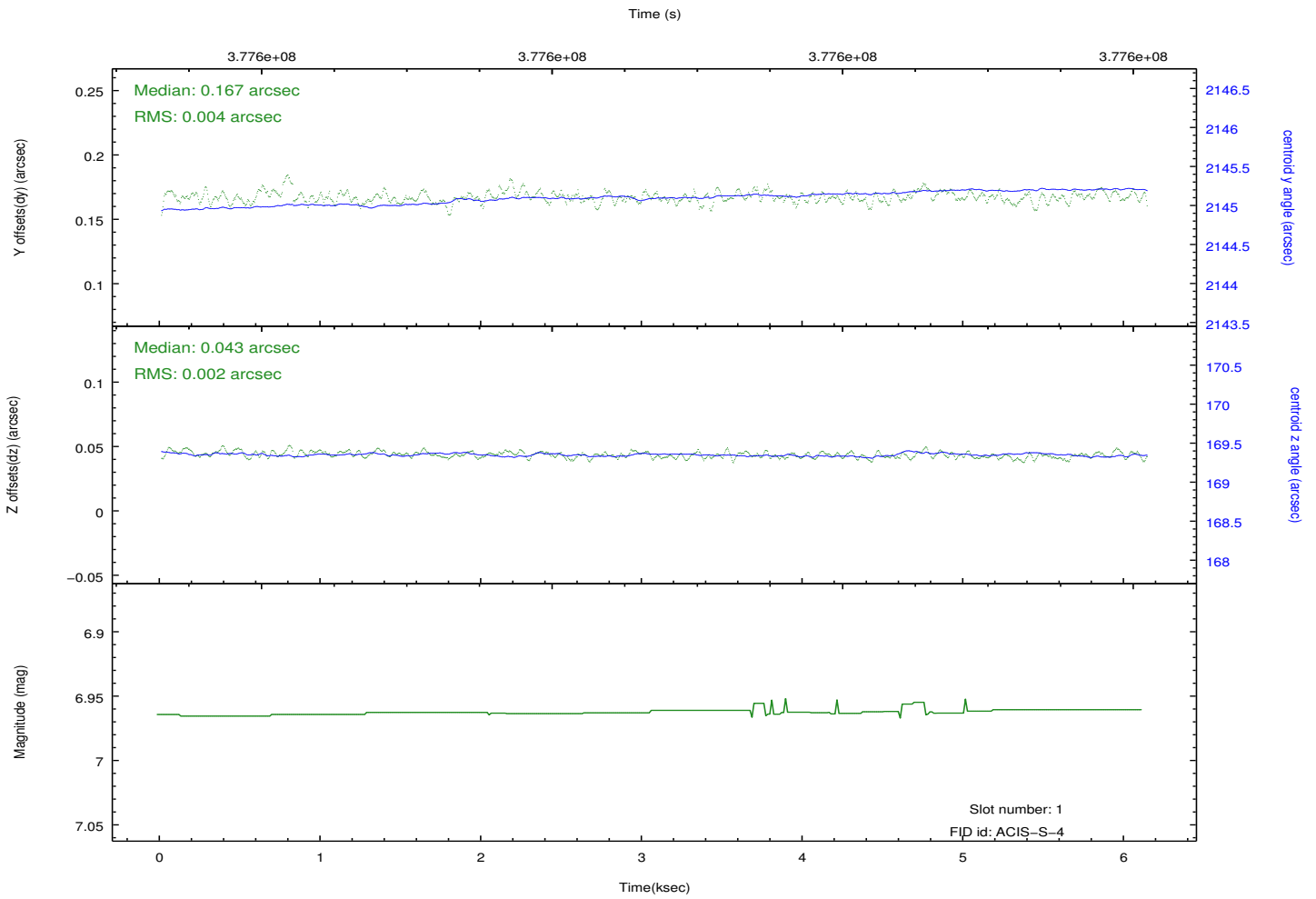
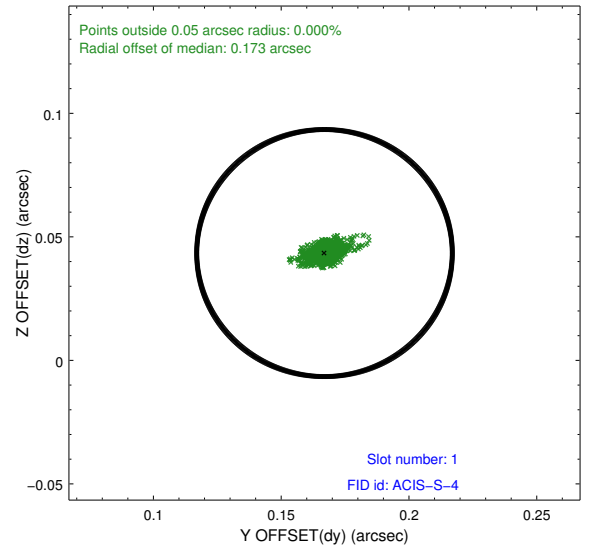
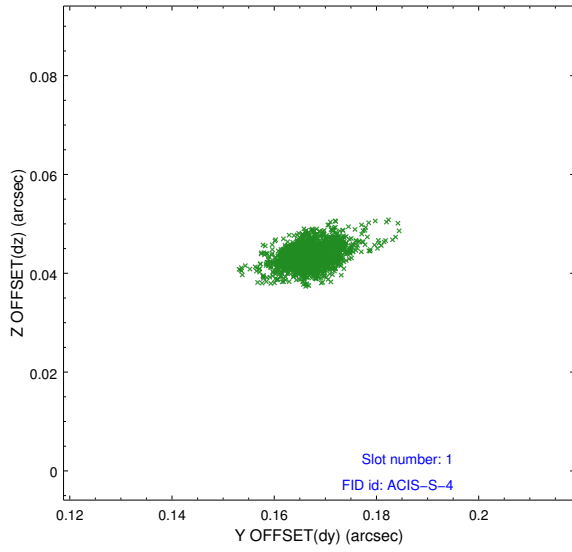


2.5 FID Slots

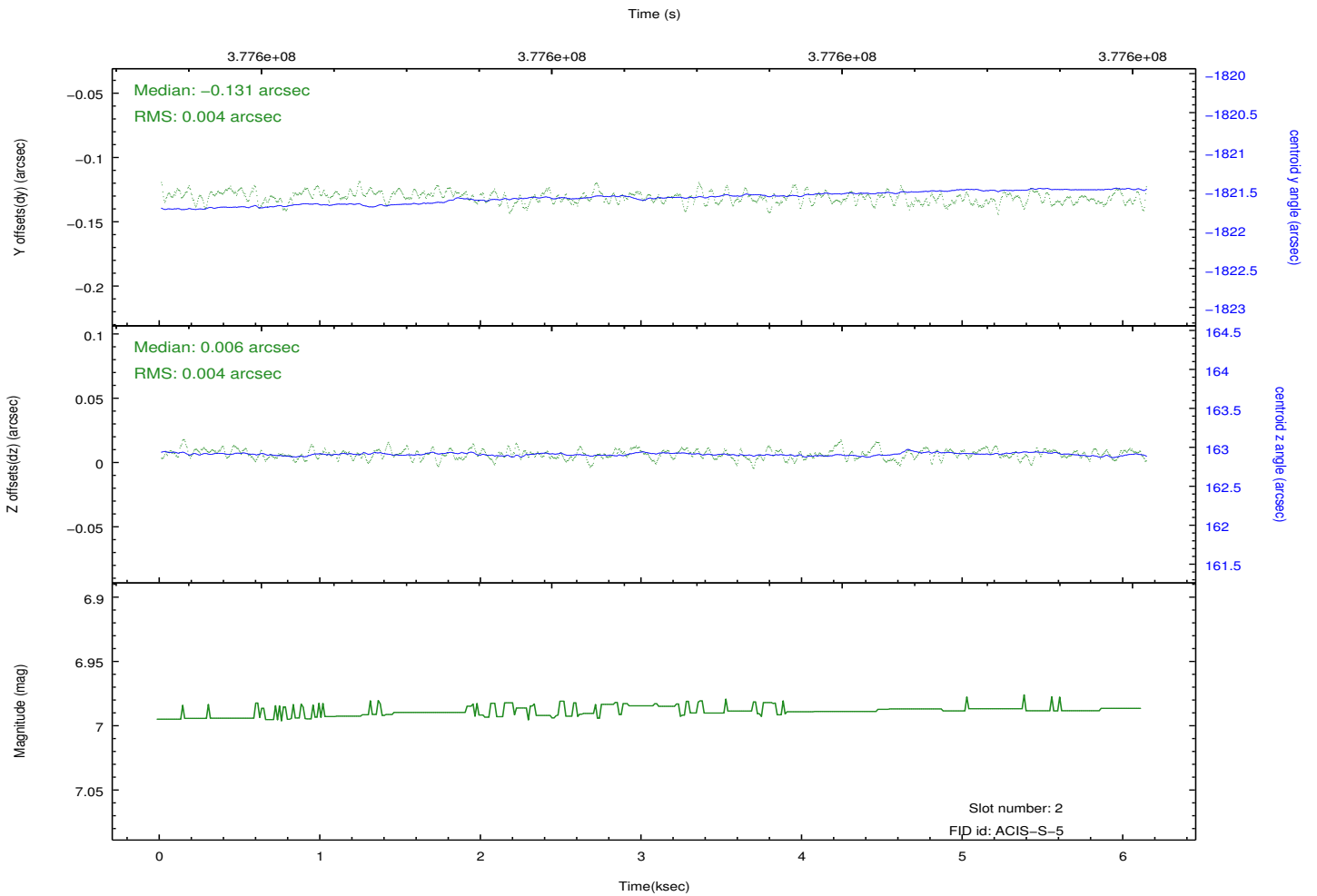
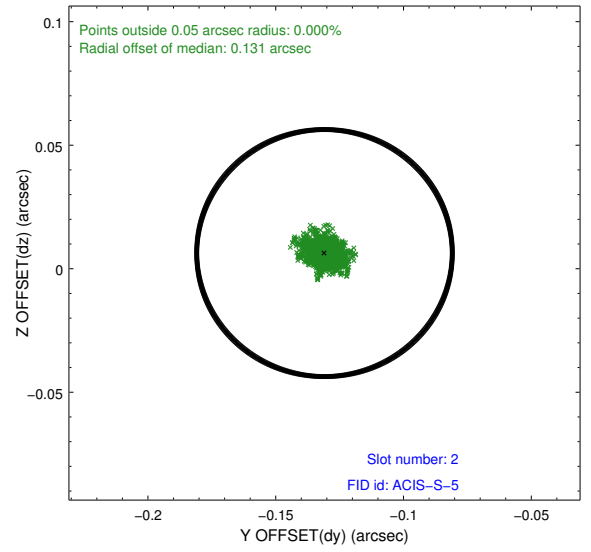
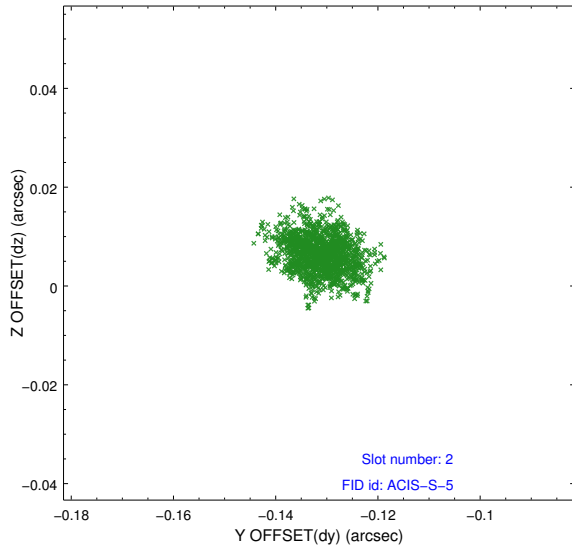
2.5.1 Slot 0



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)	2012.06.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.1287000471354

A.2 Comments