

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3972 - L2 Version 3
Chandra X-Ray Center

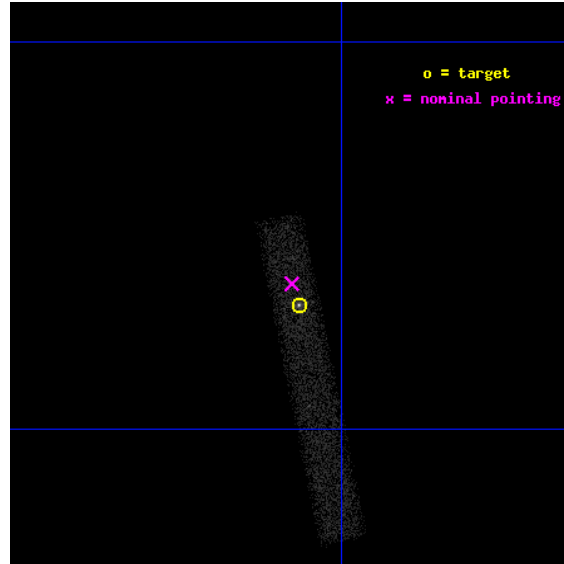
L2 Processing Date : Nov 1 2012

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1 Front

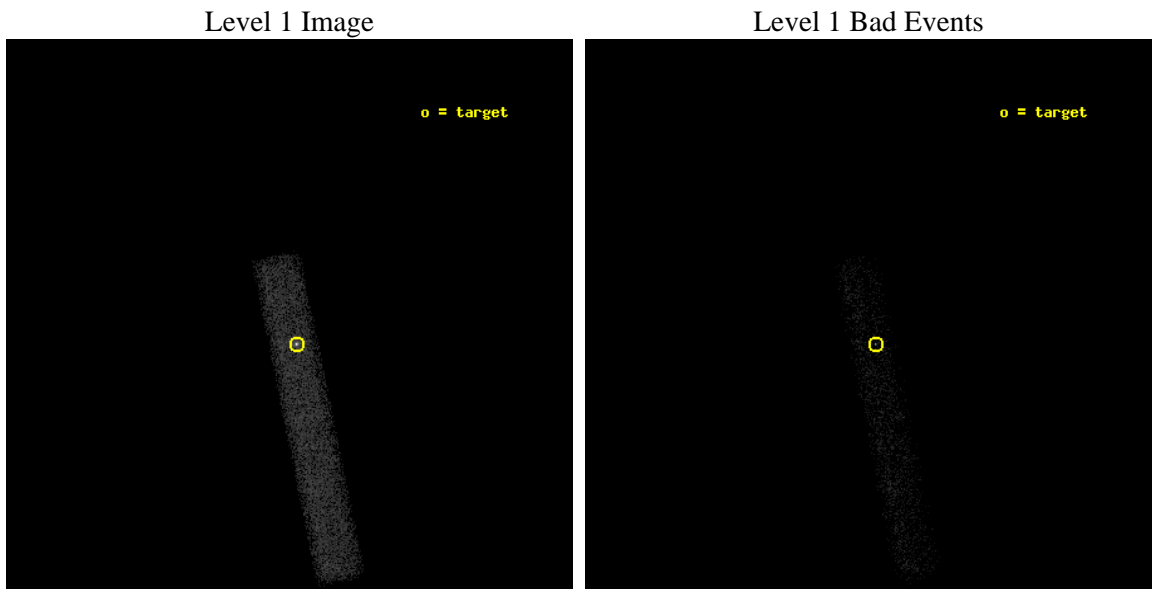
seq_num	700651	Sequence number
obs_id	3972	Observation id
title	STRUCTURES AND SPECTRA OF EXTENDED EMISSION REGIONS IN THREE BL LAC OBJECTS	Proposal title
observer	Prof Mark Birkinshaw	Principal investigator
object	PKS 2316-423	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	349.774167	Observer's specified target RA [deg]
dec_targ	-42.113333	Observer's specified target Dec [deg]
ra_nom	349.7789207935	Nominal RA [deg]
dec_nom	-42.104337376928	Nominal Dec [deg]
roll_nom	78.403315282451	Nominal Roll [deg]
revision	3	Processing version of data
ontime	15149.118145704	Sum of GTIs [s]
livetime	13739.450522133	Livetime [s]
ontime7	15149.118145704	Sum of GTIs [s]
l2events	13347	Number of level 2 events



2 OBI

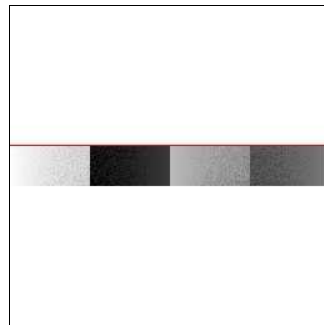
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	15149.118145704	Sum of GTIs [s]
caldbver	4.5.2	 	ontime7	15149.118145704	Sum of GTIs [s]
date	2012-11-01T04:56:58	Date and time of file creation	l1events	24208	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

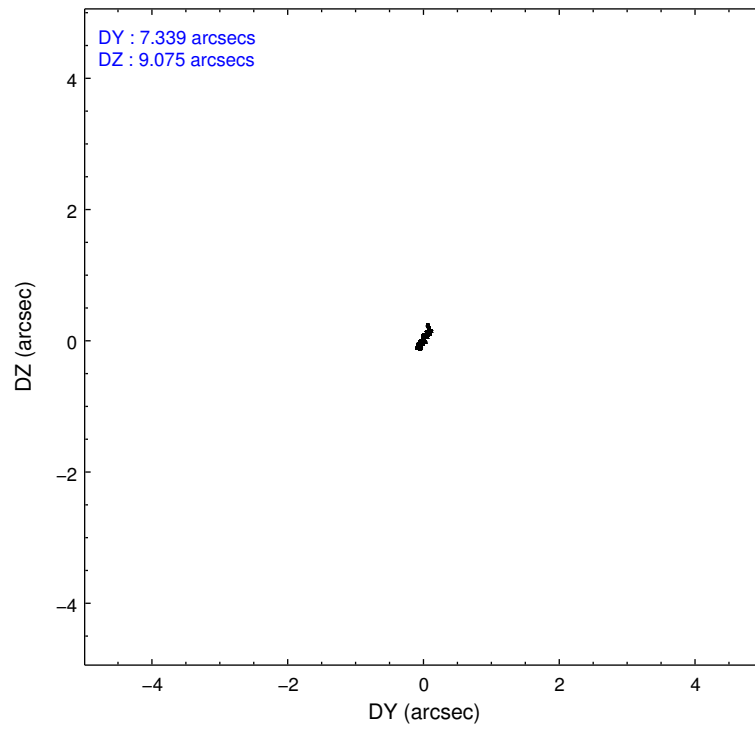
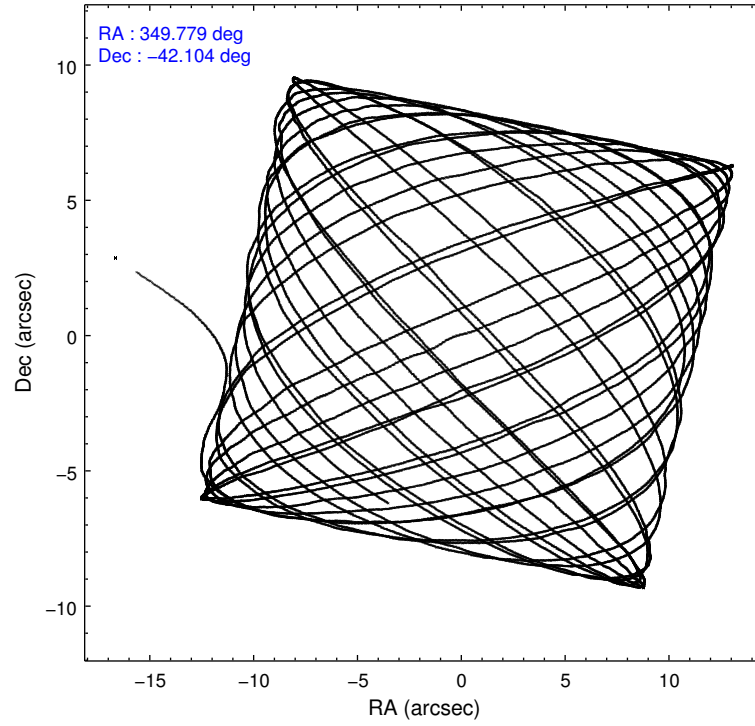
	ccd 7
level 1 events	24208
rejected events	10550
rejected %	43%

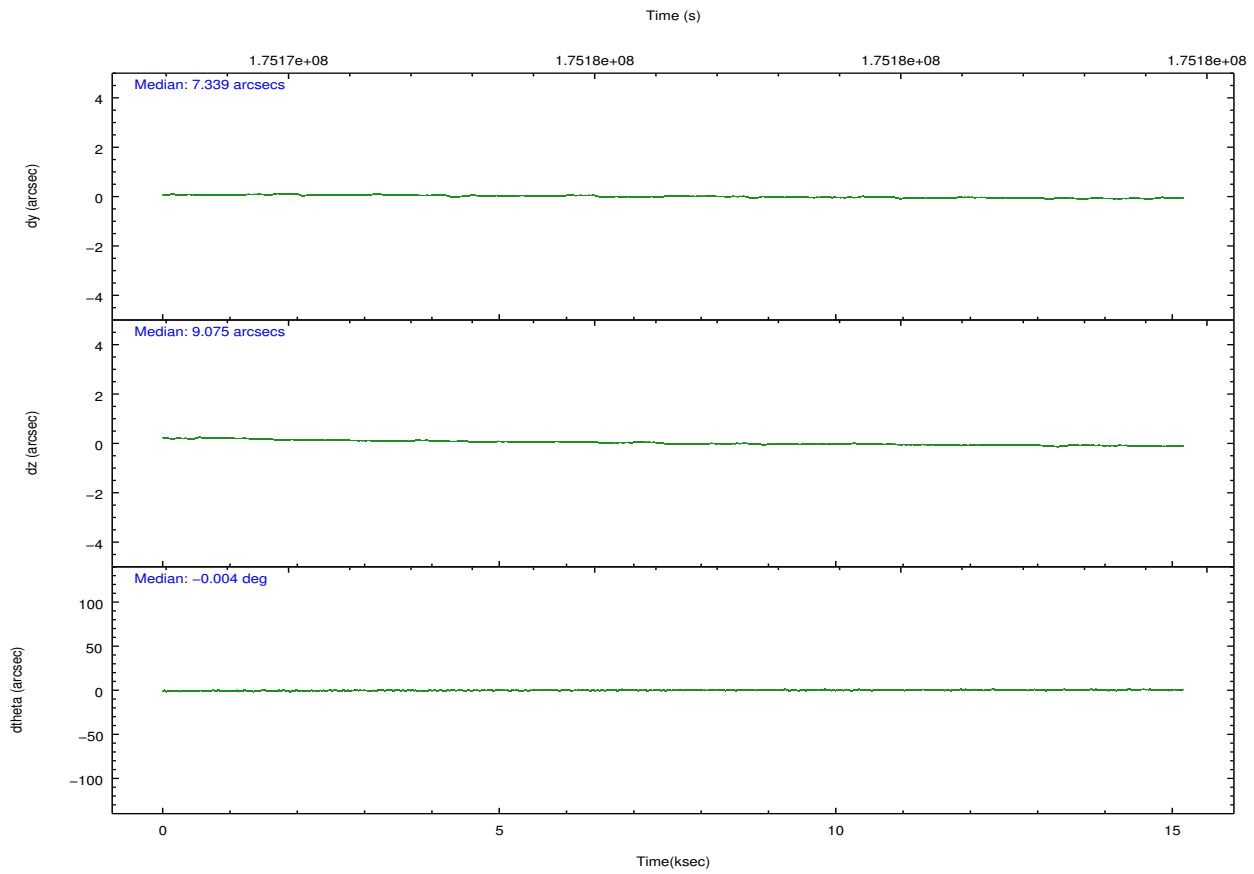
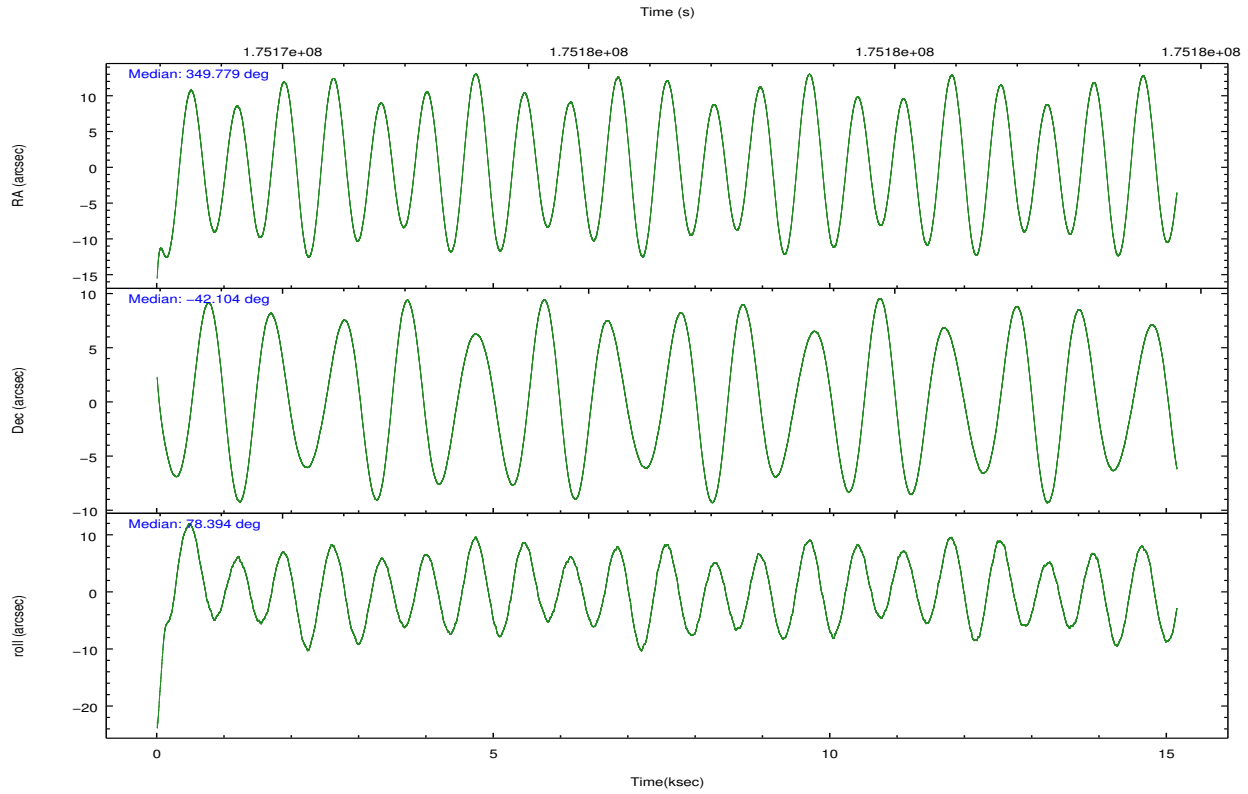
	ccd 7
grade 0 events	3113
	12%
grade 1 events	48
	0%
grade 2 events	3114
	12%
grade 3 events	1746
	7%
grade 4 events	1663
	6%
grade 5 events	1822
	7%
grade 6 events	4750
	19%
grade 7 events	7952
	32%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	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	349.791049	349.7789207934952	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-42.130062	-42.10433737692788	Subarray start row	449	449
[deg] Pointing Roll	78.254829	78.40331528245083	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	175168861.184000	175167364.62694			
Observation start date	2003-07-21T09:59:57	2003-07-21T09:36:04			
[s] Observation end time (MET)	175183861.184000	175184704.04018			
Observation end date	2003-07-21T14:09:57	2003-07-21T14:25:04			
Read mode	TIMED	TIMED			

2.3 Aspect



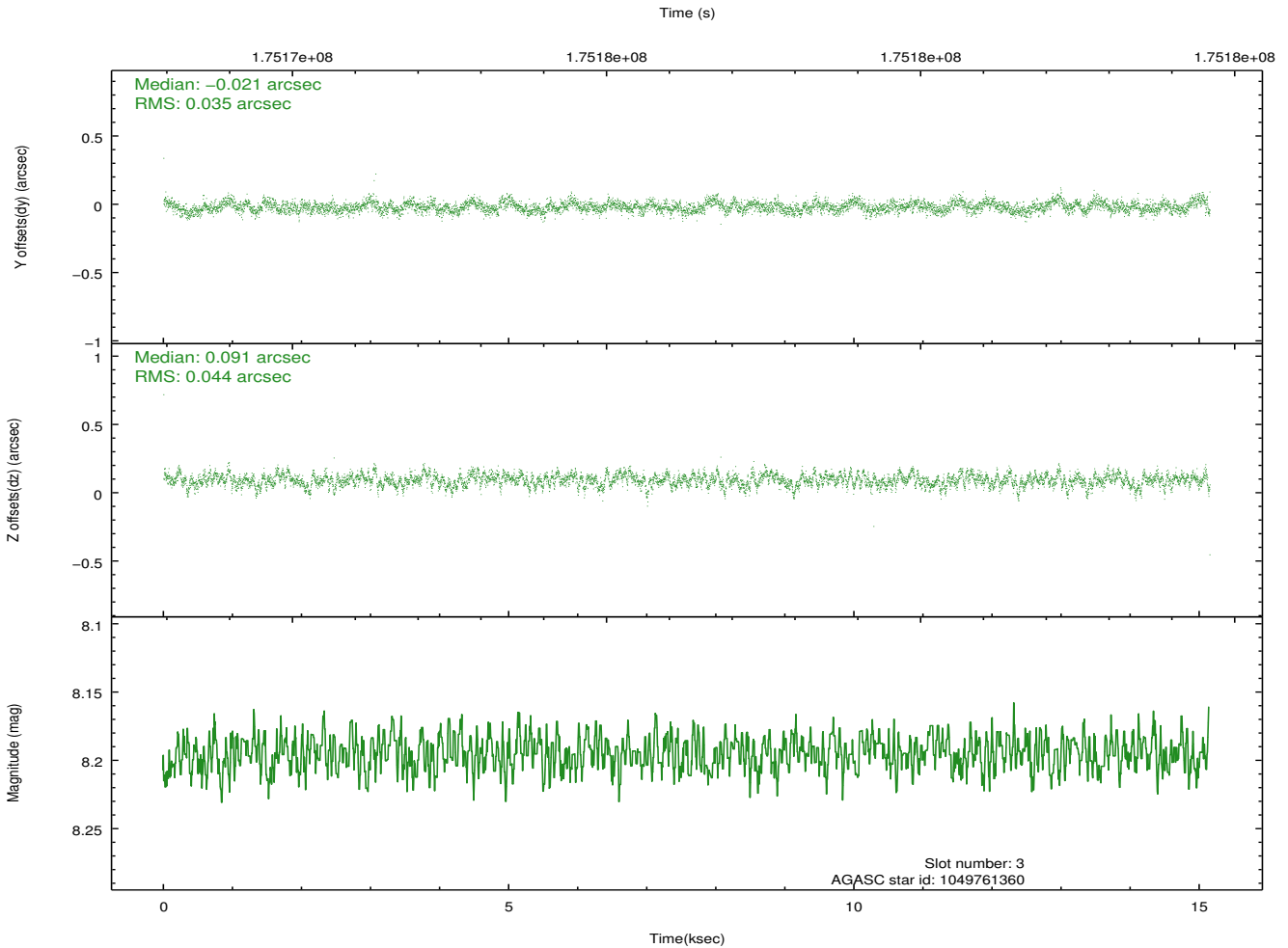
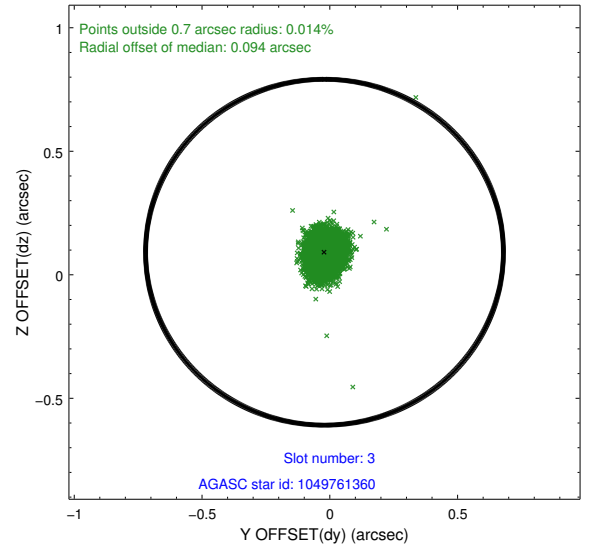
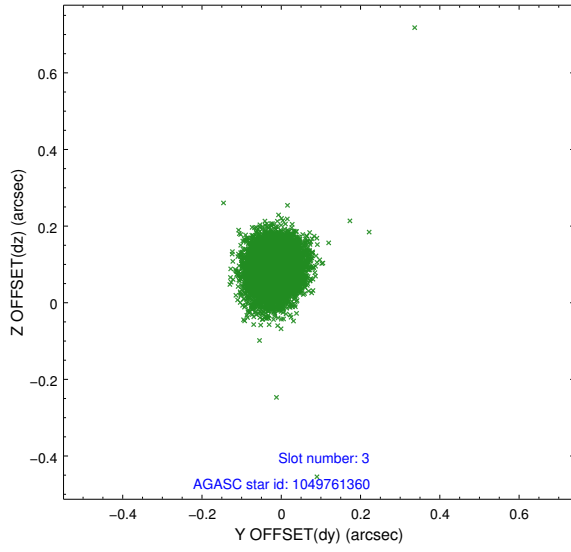


Slot Statistics

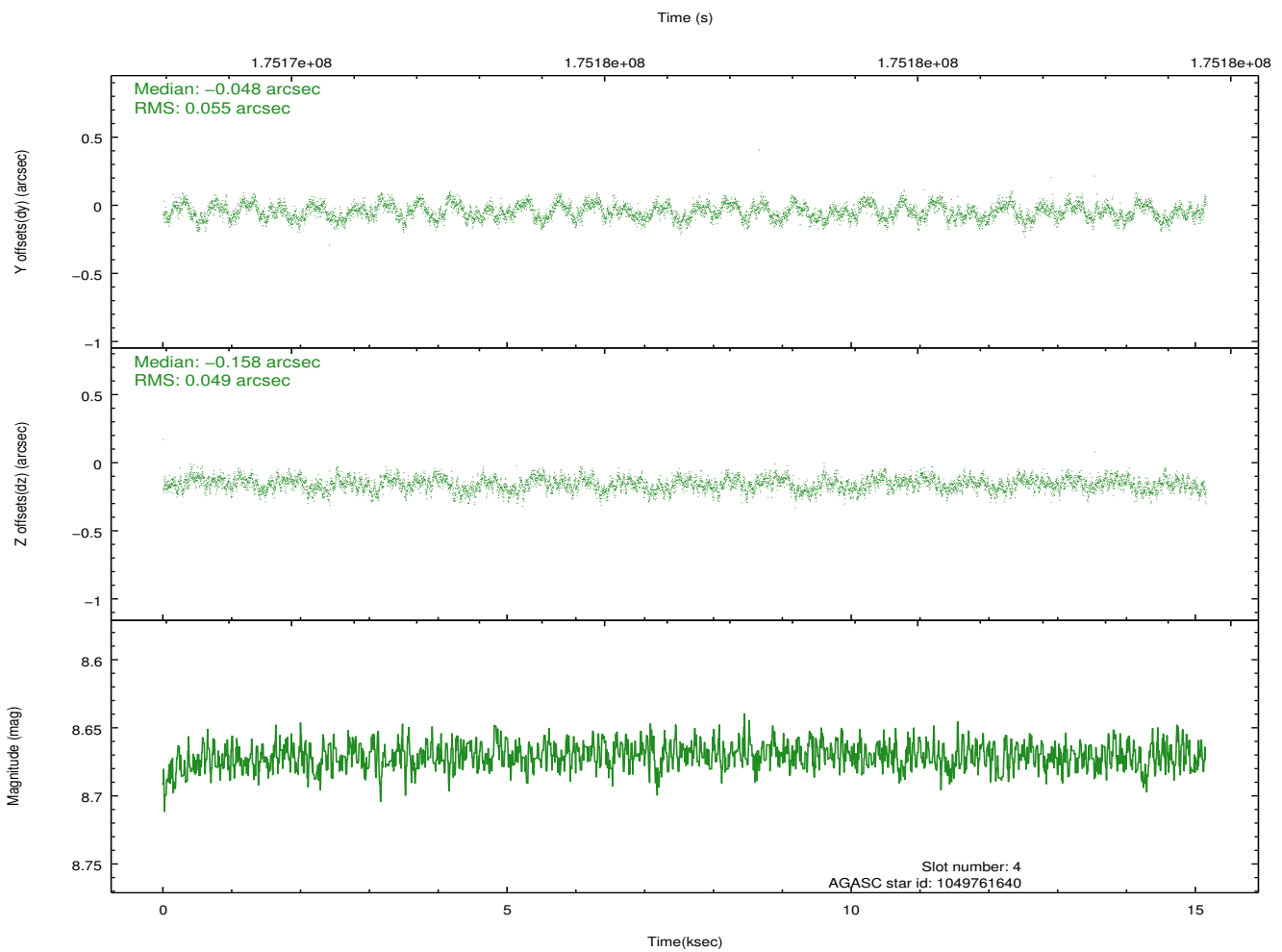
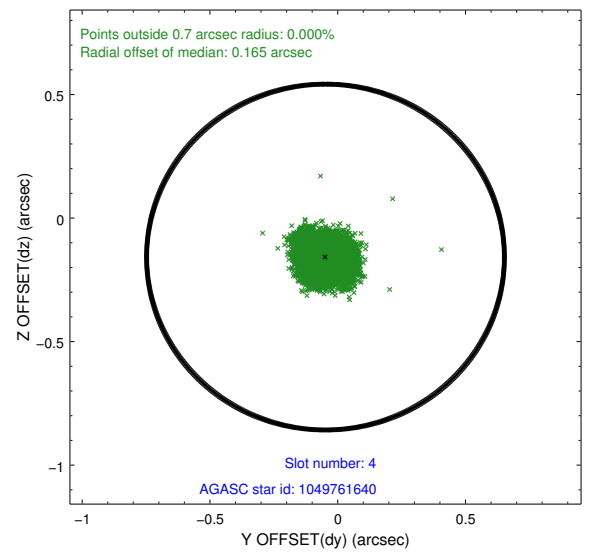
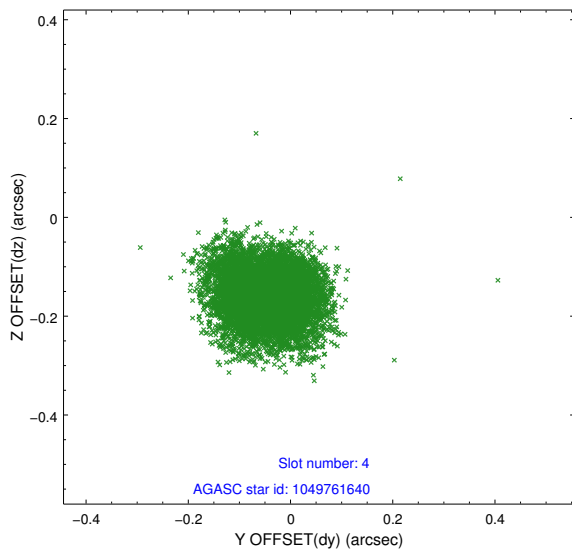
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	3695	-0.026	-0.031	0.007	0.011	0.000000	0.000000	-760.12	-1730.35
1	FID	ACIS-S-4	7.20	3695	0.051	0.021	0.006	0.010	0.000000	0.000000	2153.09	177.88
2	FID	ACIS-S-5	7.23	3695	-0.055	0.018	0.006	0.012	0.000000	0.000000	-1812.62	171.88
3	GUIDE	1049761360	8.19	7390	-0.021	0.091	0.058	0.096	349.951184	-41.963836	672.87	-298.15
4	GUIDE	1049761640	8.67	7387	-0.048	-0.158	0.079	0.124	349.142415	-42.207499	-631.48	1635.20
5	GUIDE	1050149120	9.15	7386	0.133	-0.166	0.096	0.158	348.946168	-42.587694	-2079.87	1854.73
6	GUIDE	1050681984	10.16	7384	-0.049	0.179	0.164	0.269	350.530932	-42.346770	-371.23	-2087.35
7	GUIDE	1051067456	9.44	7322	-0.021	0.055	0.099	0.157	350.464001	-42.838254	-2140.93	-2260.11

2.4 Star Slots

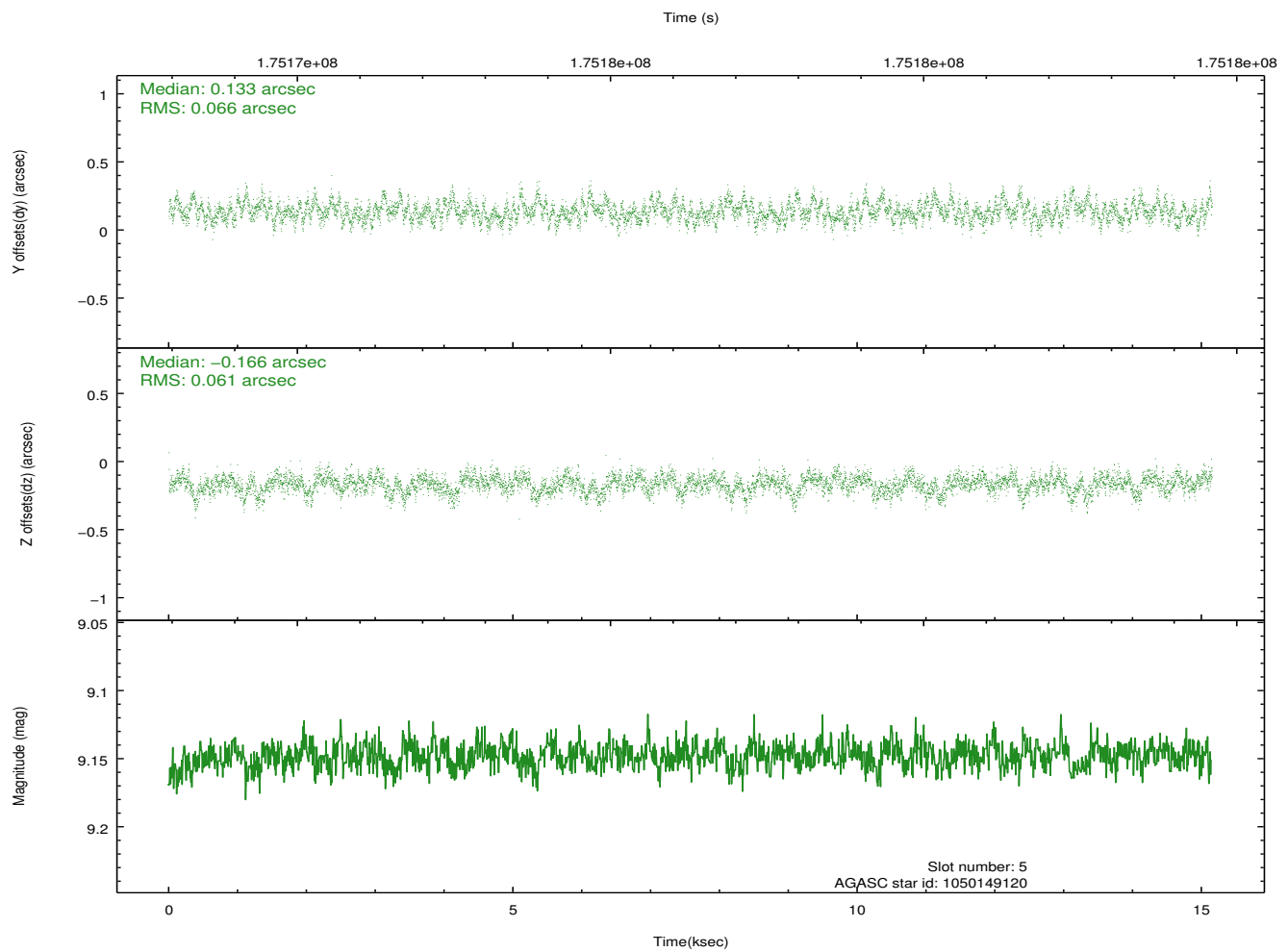
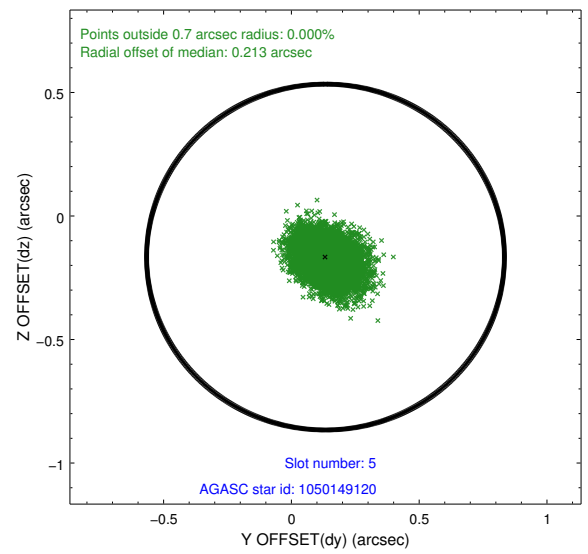
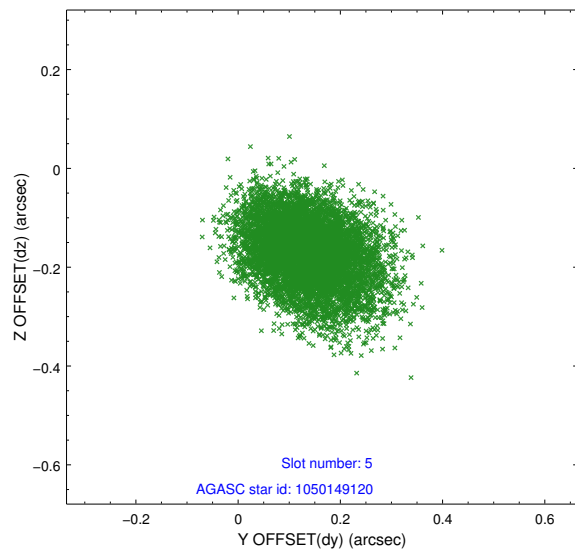
2.4.1 Slot 3



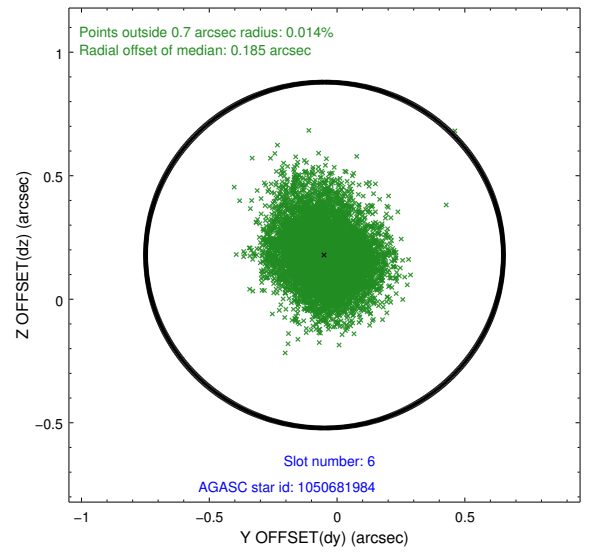
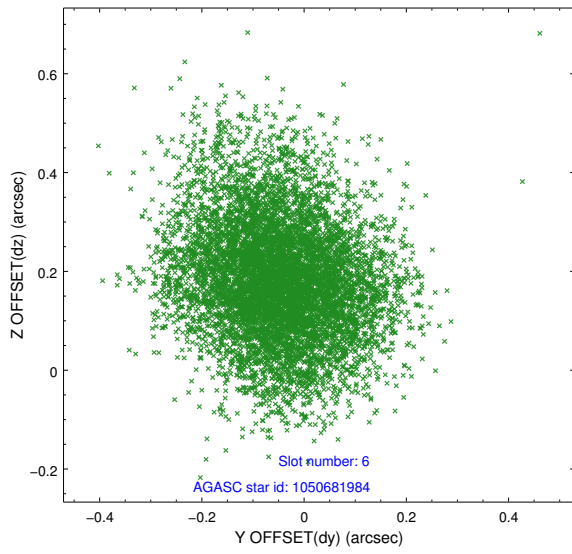
2.4.2 Slot 4



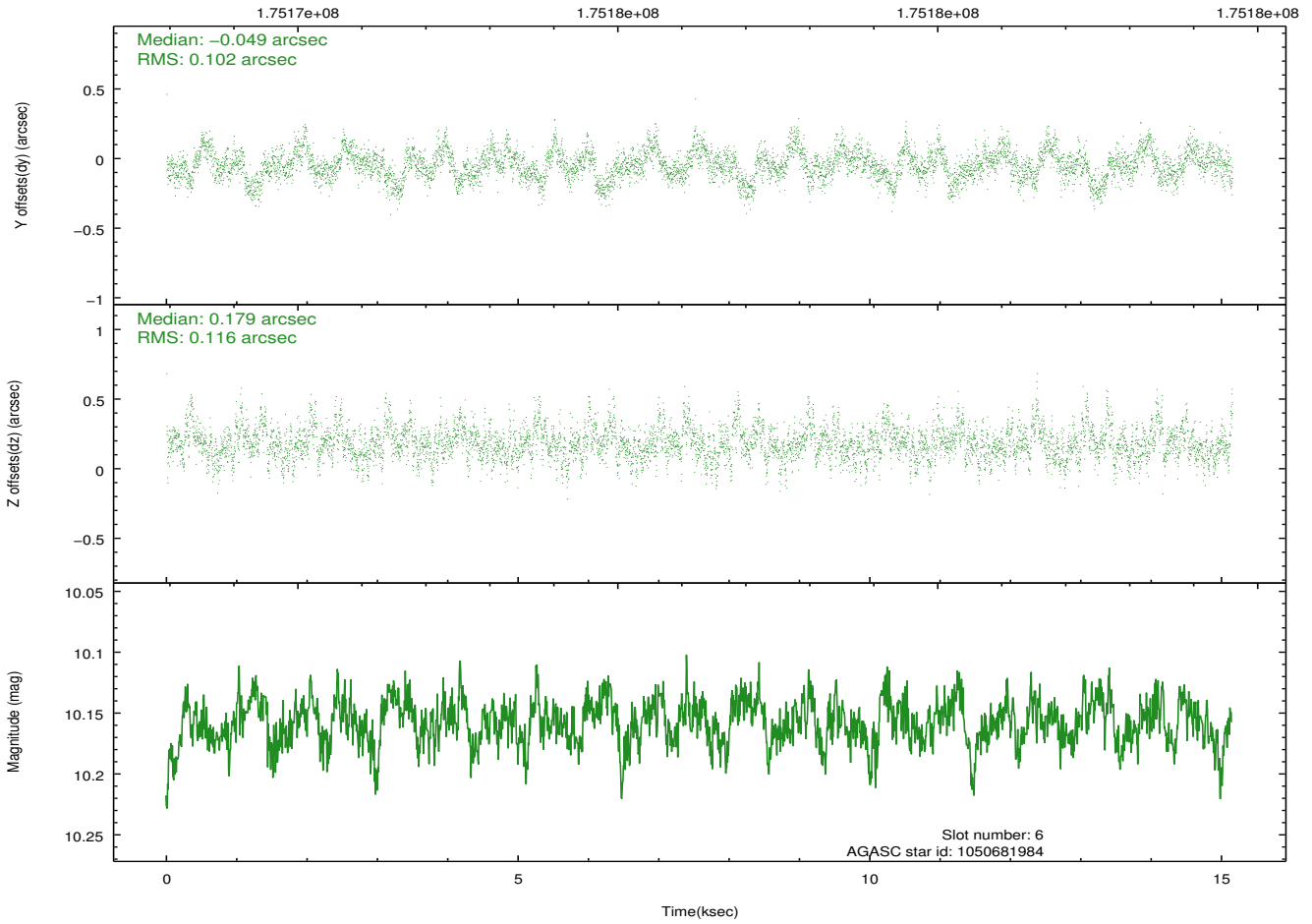
2.4.3 Slot 5



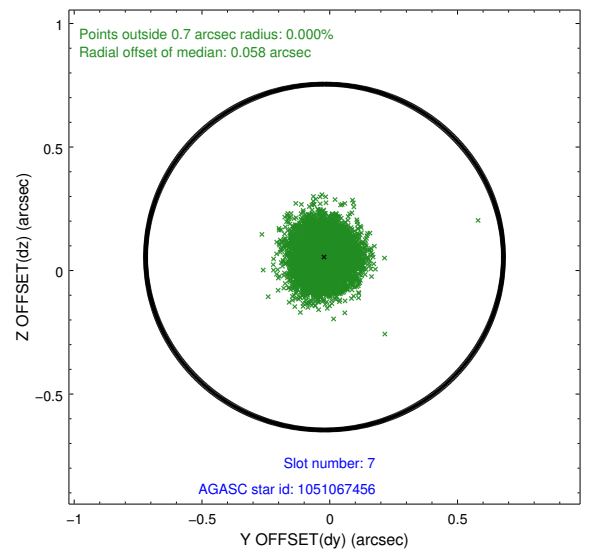
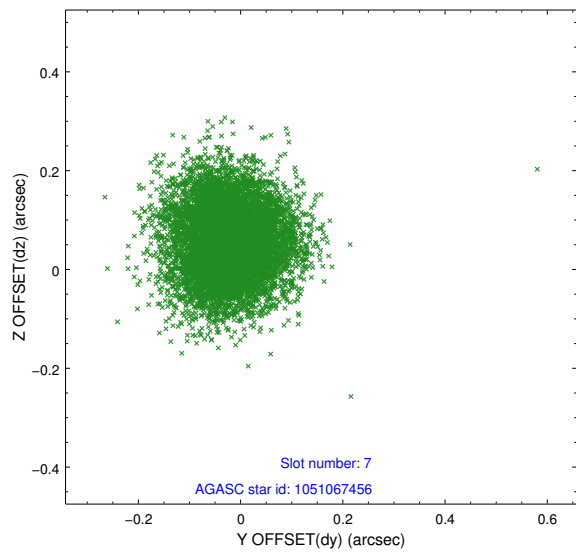
2.4.4 Slot 6



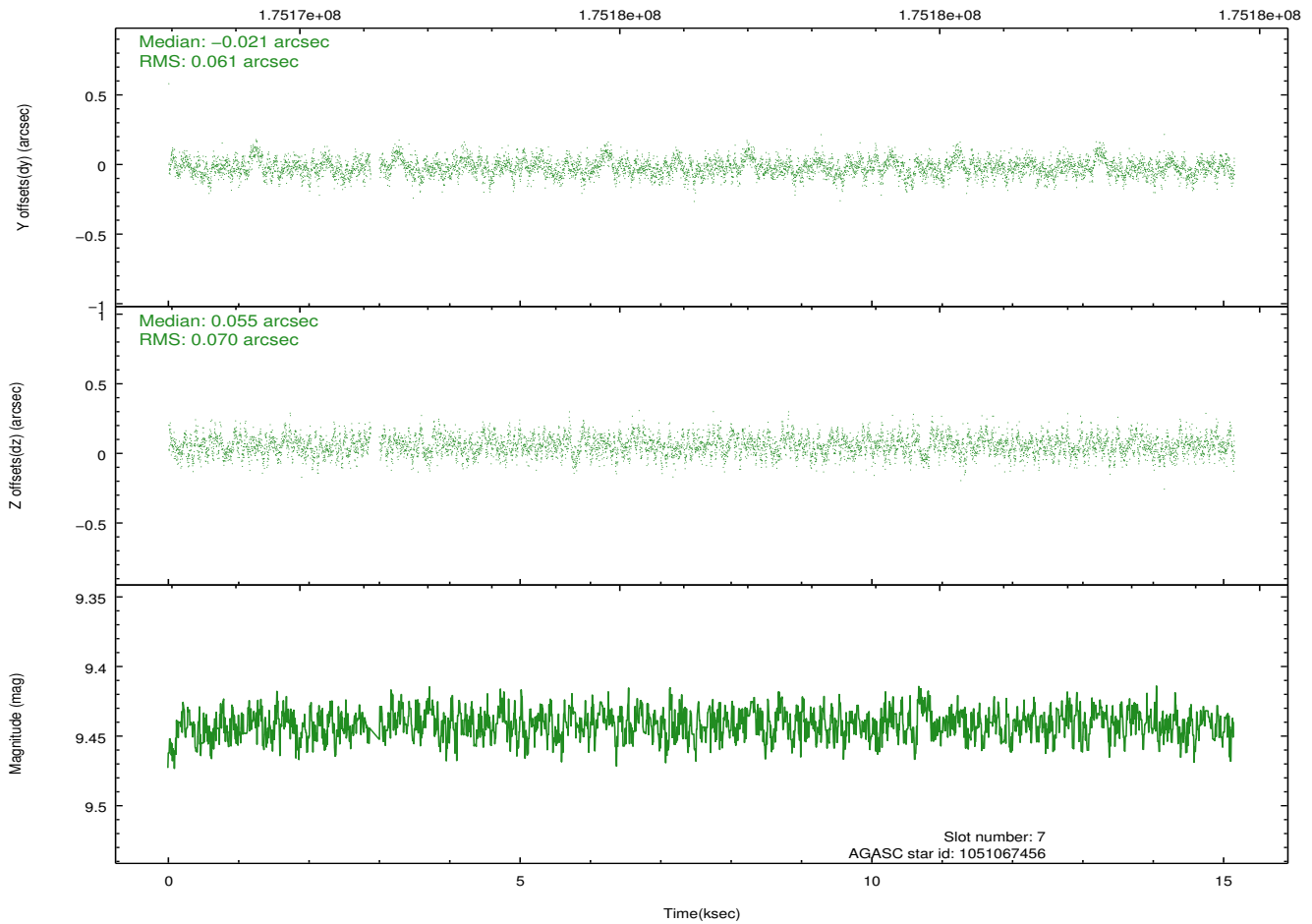
Time (s)



2.4.5 Slot 7

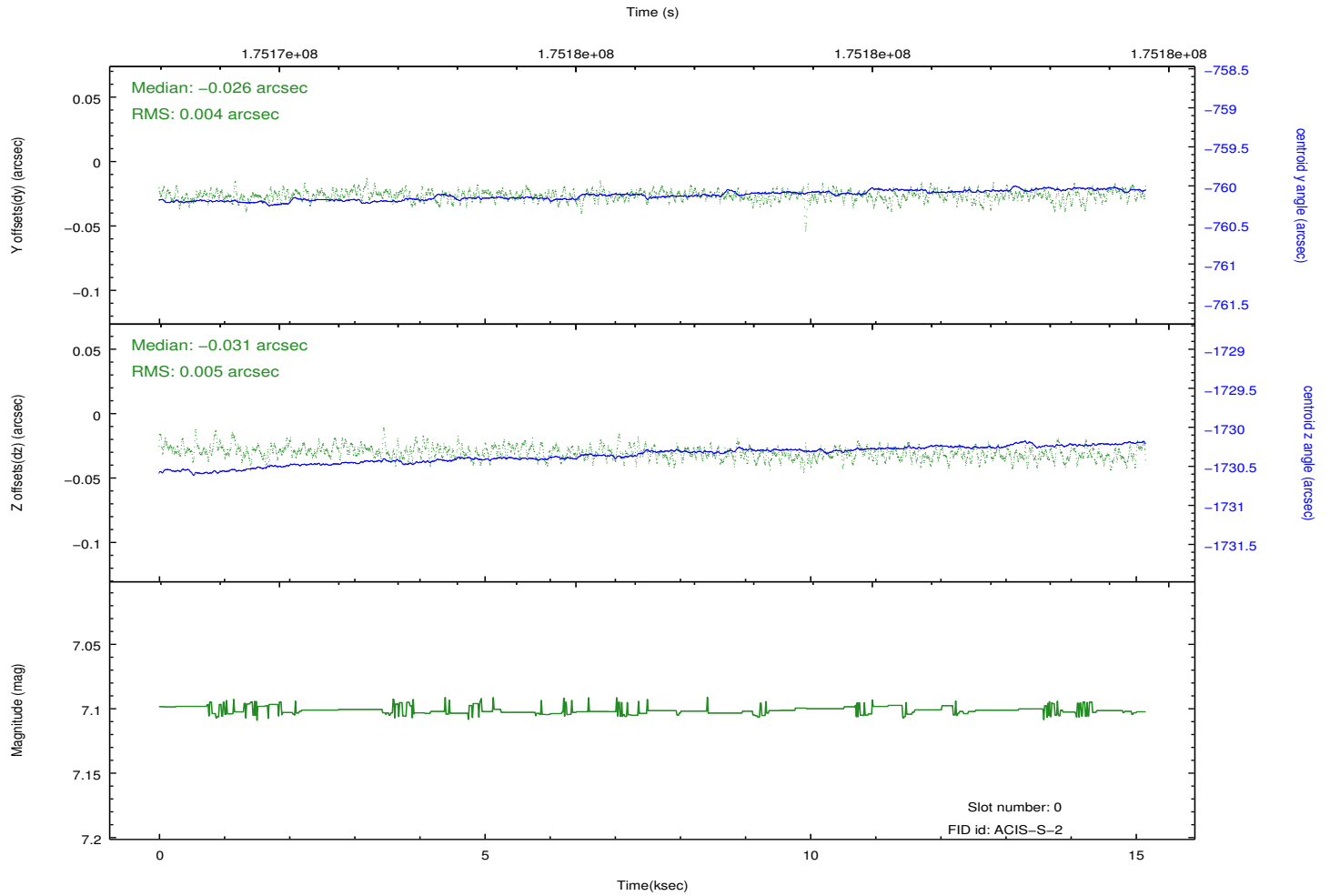
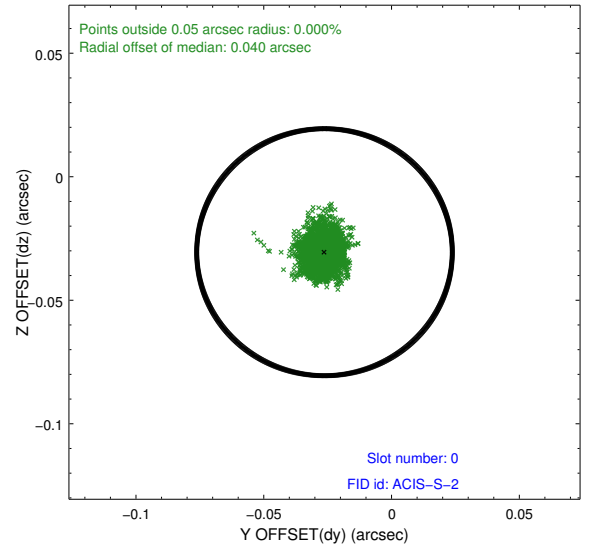
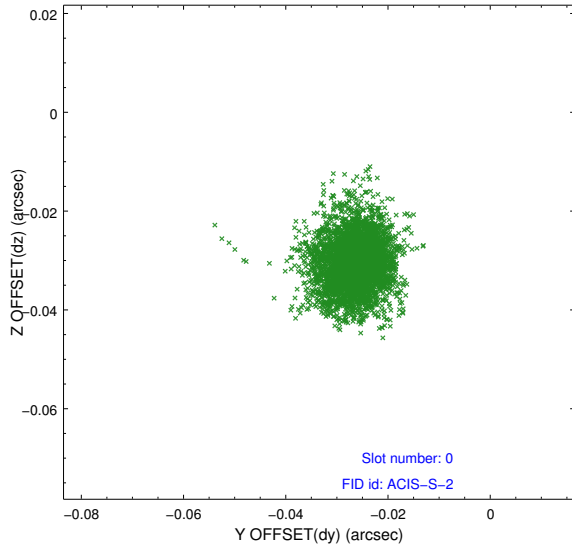


Time (s)

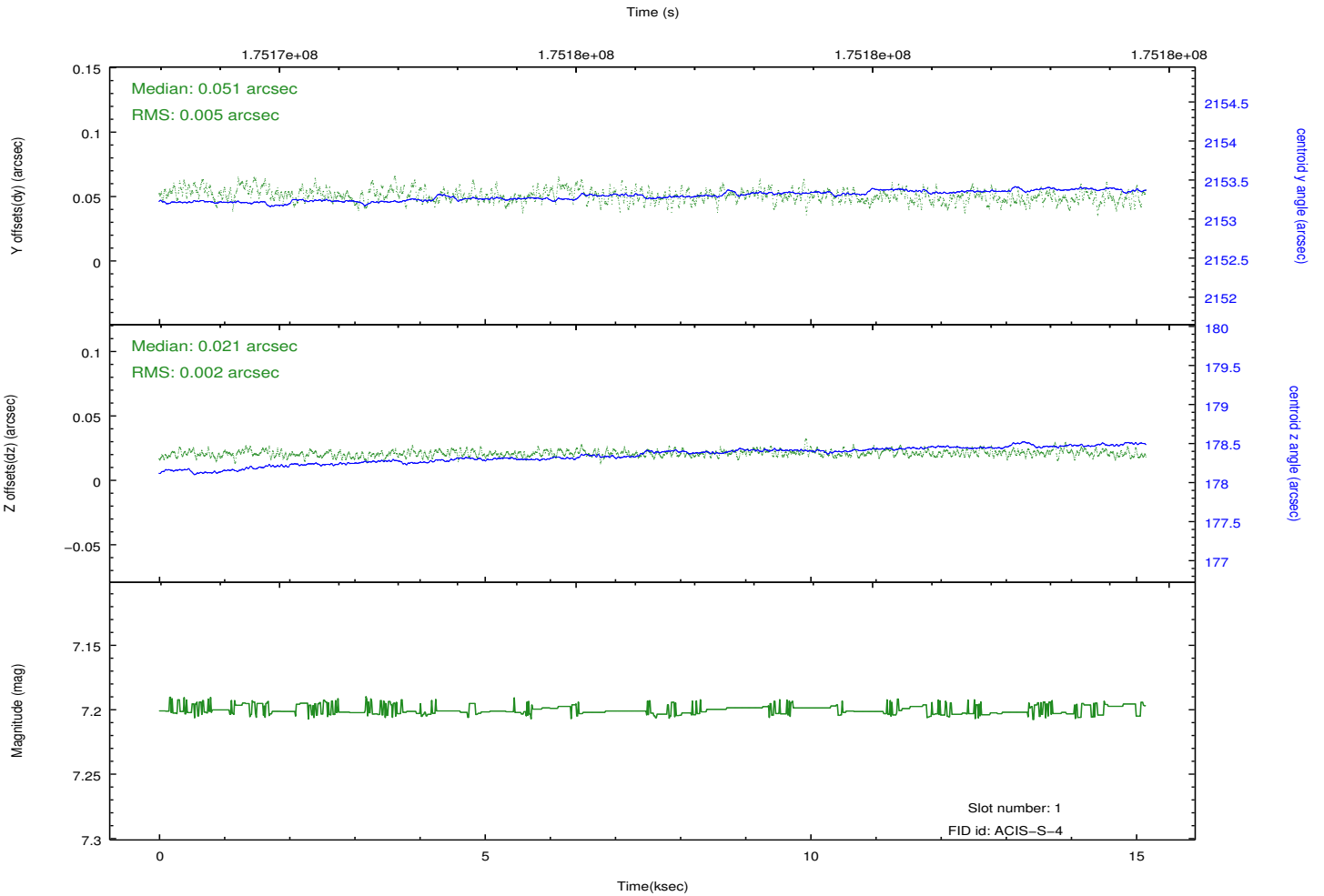
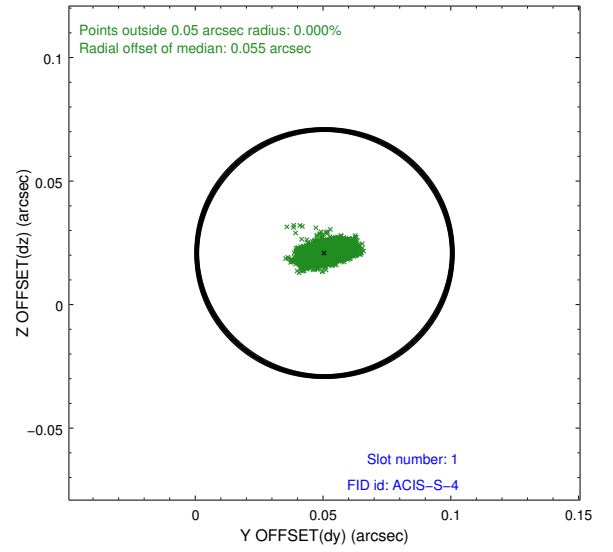
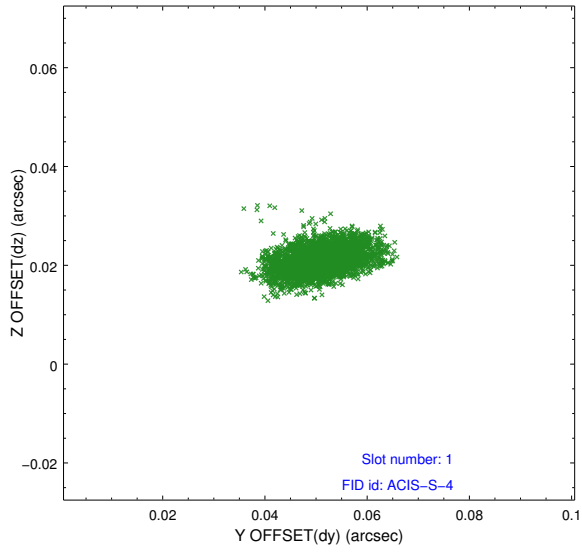


2.5 FID Slots

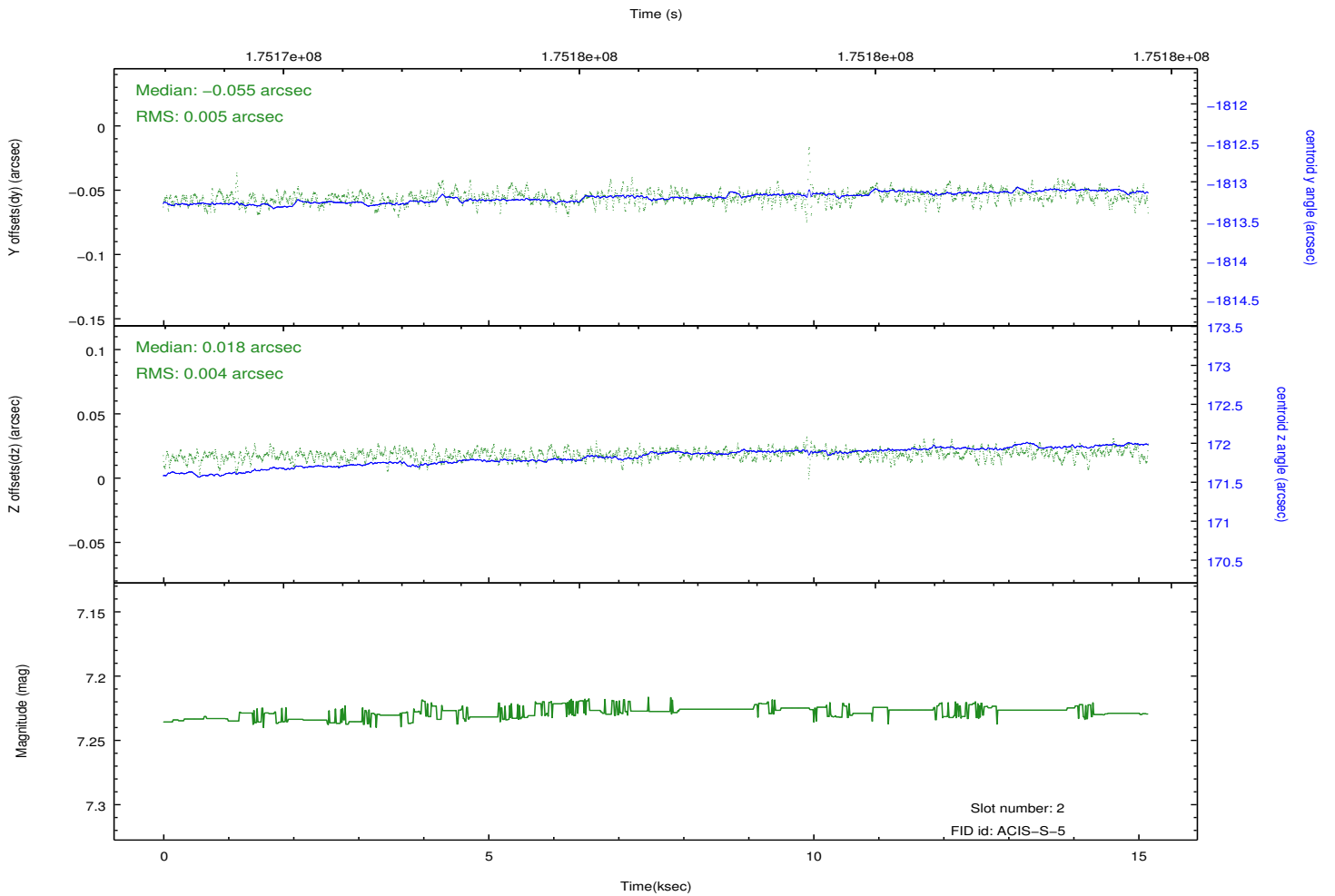
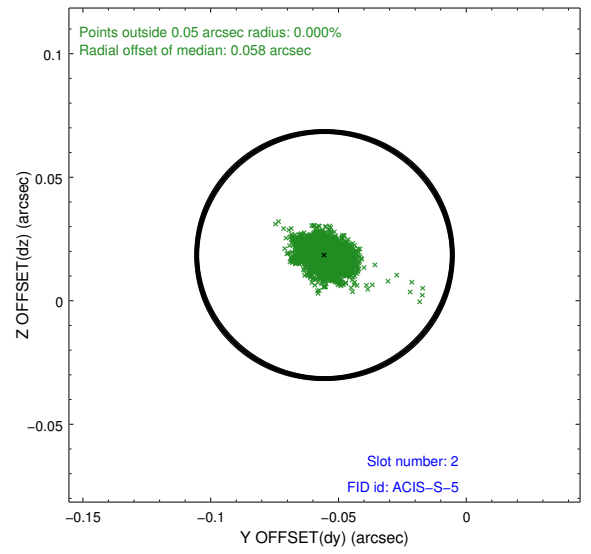
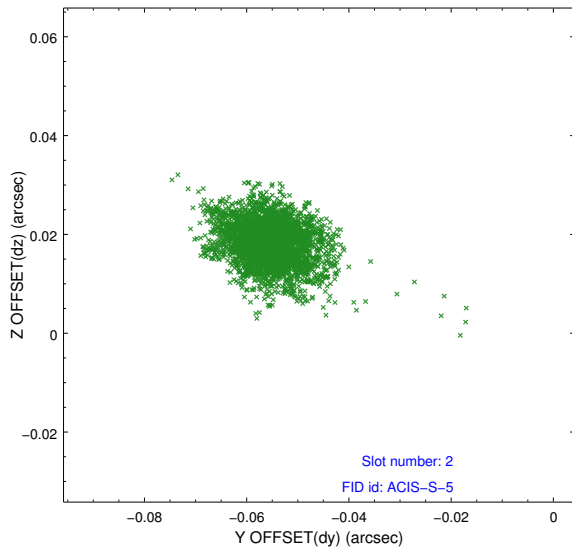
2.5.1 Slot 0



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)	2012.11.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.149

A.2 Comments