

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 832 - L2 Version 4
Chandra X-Ray Center

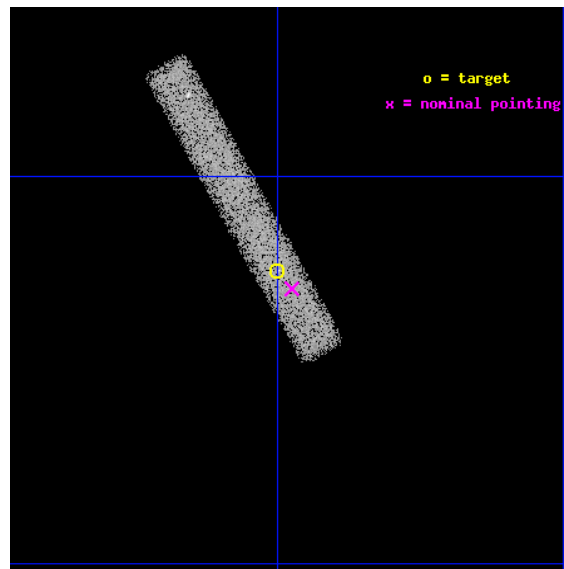
L2 Processing Date : Aug 28 2012

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

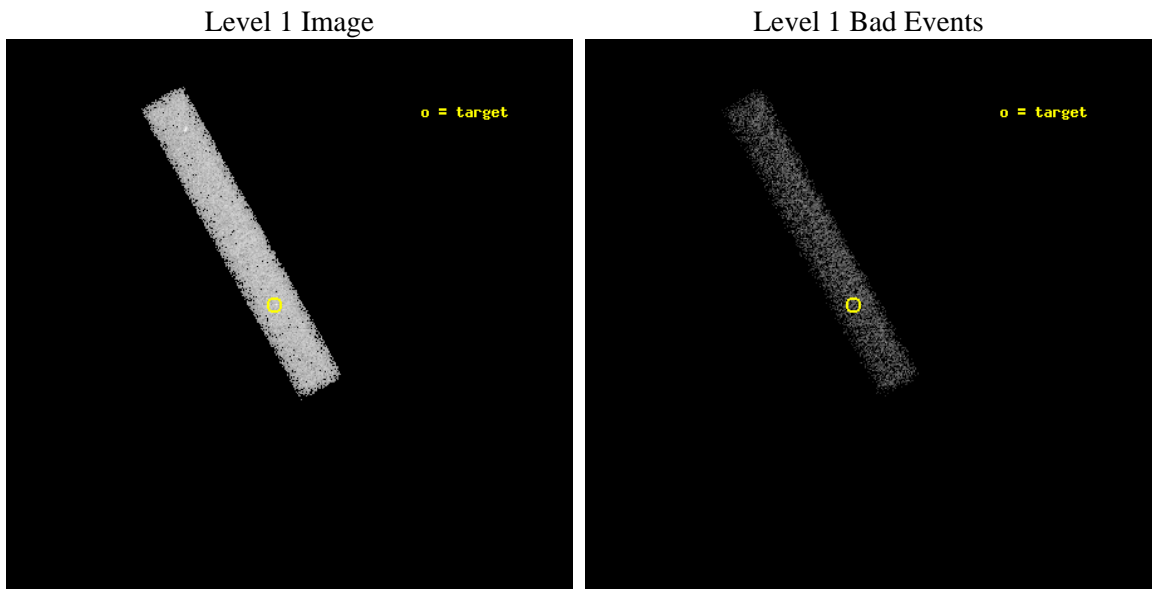
seq_num	700137	Sequence number
obs_id	832	Observation id
title	RECONCILING UV AND X-RAY OBSERVATIONS OF BALQSO WINDS	Proposal tit
observer	Professor Fred Hamann	Principal investigator
object	PG 1254+047	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	194.250417	Observer's specified target RA [deg]
dec_targ	4.4595	Observer's specified target Dec [deg]
ra_nom	194.2440060154	Nominal RA [deg]
dec_nom	4.4517820300995	Nominal Dec [deg]
roll_nom	240.8080210511	Nominal Roll [deg]
revision	4	Processing version of data
ontime	39732.7699285	Sum of GTIs [s]
liveltime	36035.525057591	Livetime [s]
ontime7	39732.7699285	Sum of GTIs [s]
l2events	18513	Number of level 2 events



2 OBI

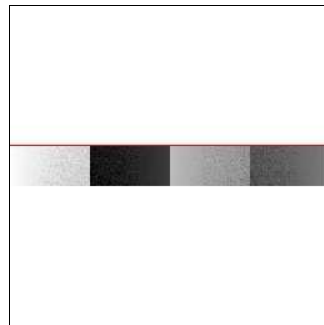
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	40000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	39732.7699285	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime7	39732.7699285	Sum of GTIs [s]
date	2012-08-28T06:55:54	Date and time of file creation	l1events	41545	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

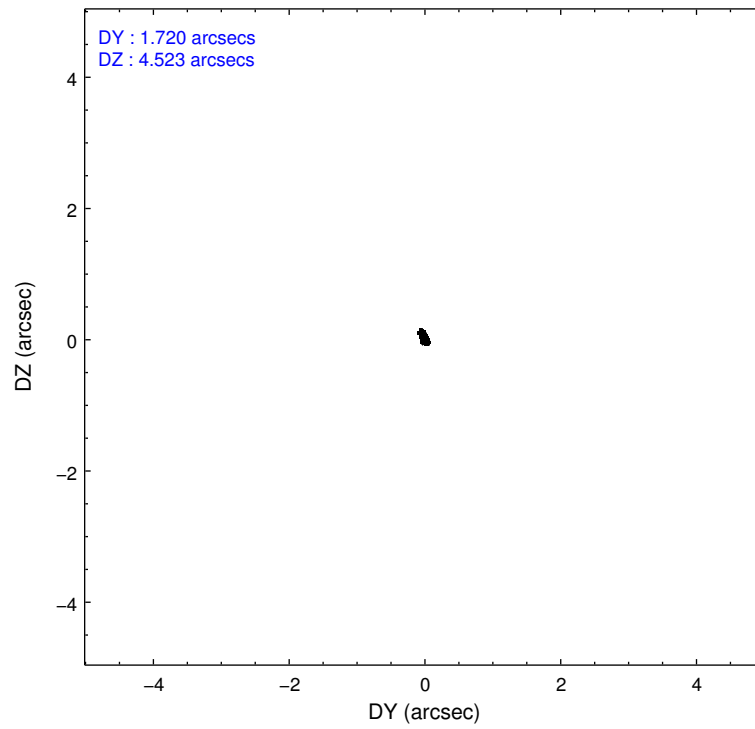
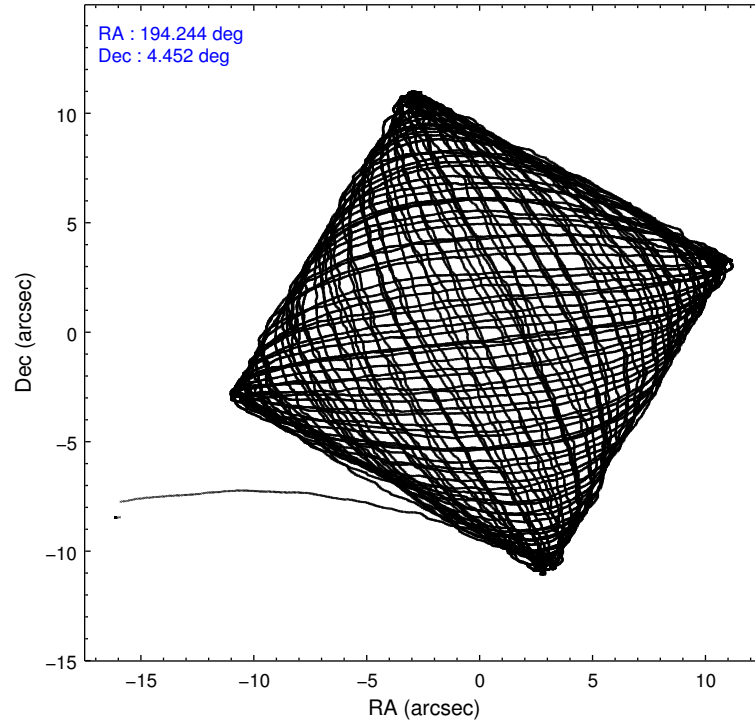
	ccd 7
level 1 events	41545
rejected events	22166
rejected %	53%

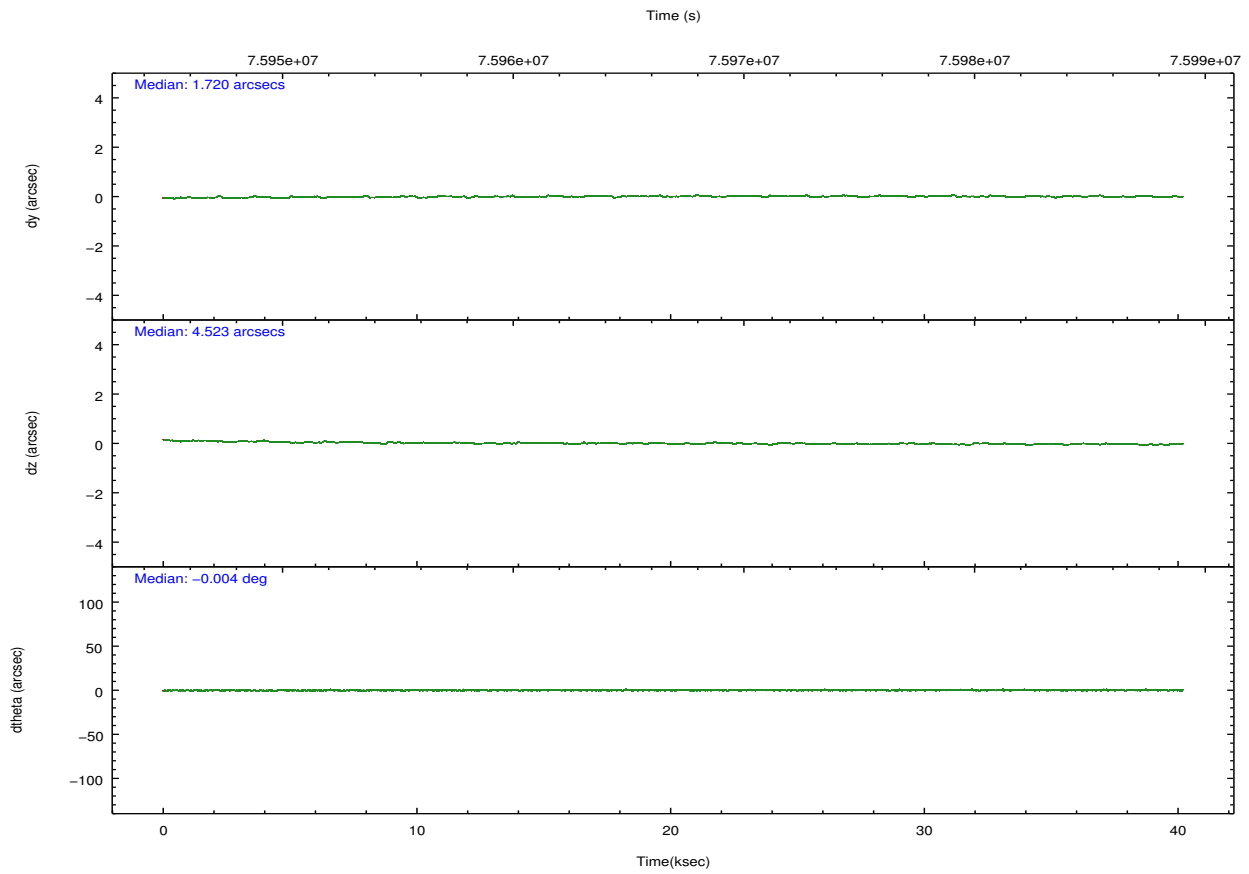
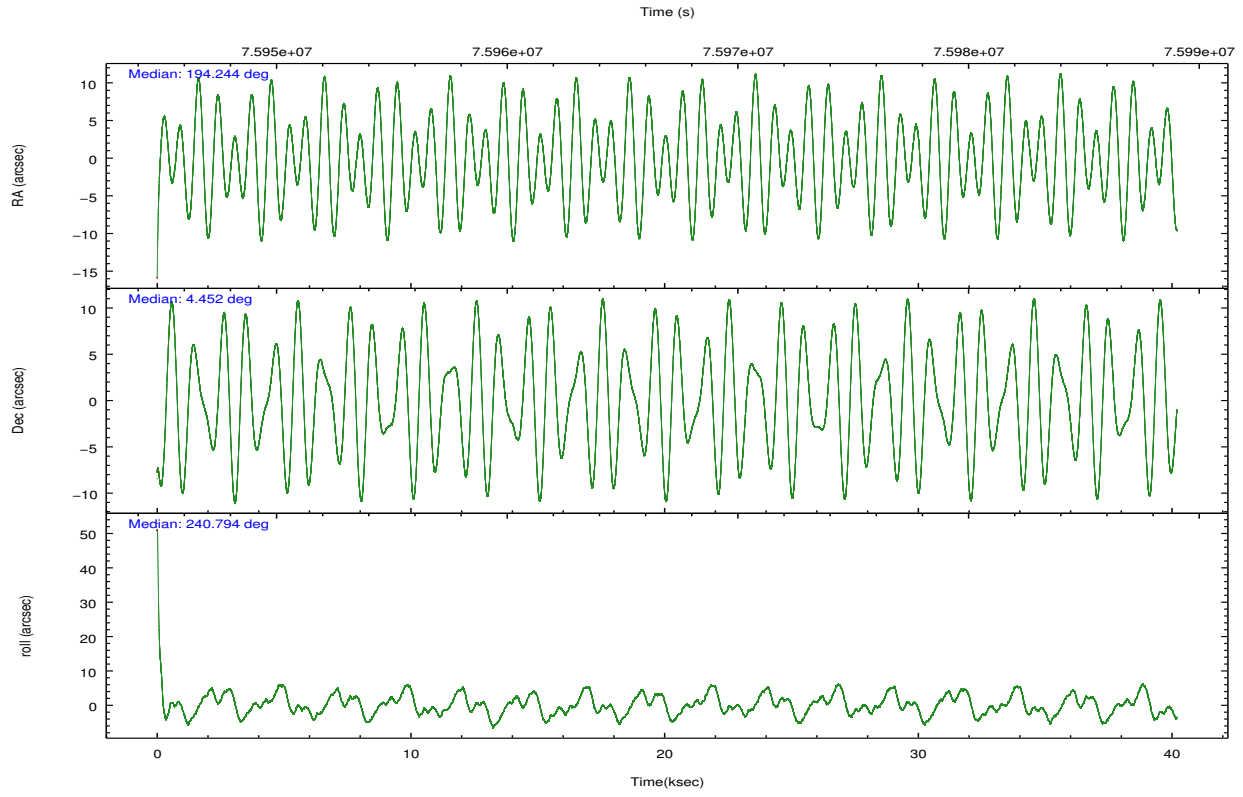
	ccd 7
grade 0 events	2193
	5%
grade 1 events	46
	0%
grade 2 events	3510
	8%
grade 3 events	2688
	6%
grade 4 events	2633
	6%
grade 5 events	3767
	9%
grade 6 events	8355
	20%
grade 7 events	18353
	44%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	194.243518	194.2440060153962	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	4.479231	4.451782030099494	Subarray start row	449	449
[deg] Pointing Roll	240.651421	240.808021051101	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)	75947025.184000	75946213.684738			
Observation start date	2000-05-29T00:22:41	2000-05-29T00:10:13			
[s] Observation end time (MET)	75987025.184000	75987652.386262			
Observation end date	2000-05-29T11:29:21	2000-05-29T11:40:52			
Read mode	TIMED	TIMED			

2.3 Aspect



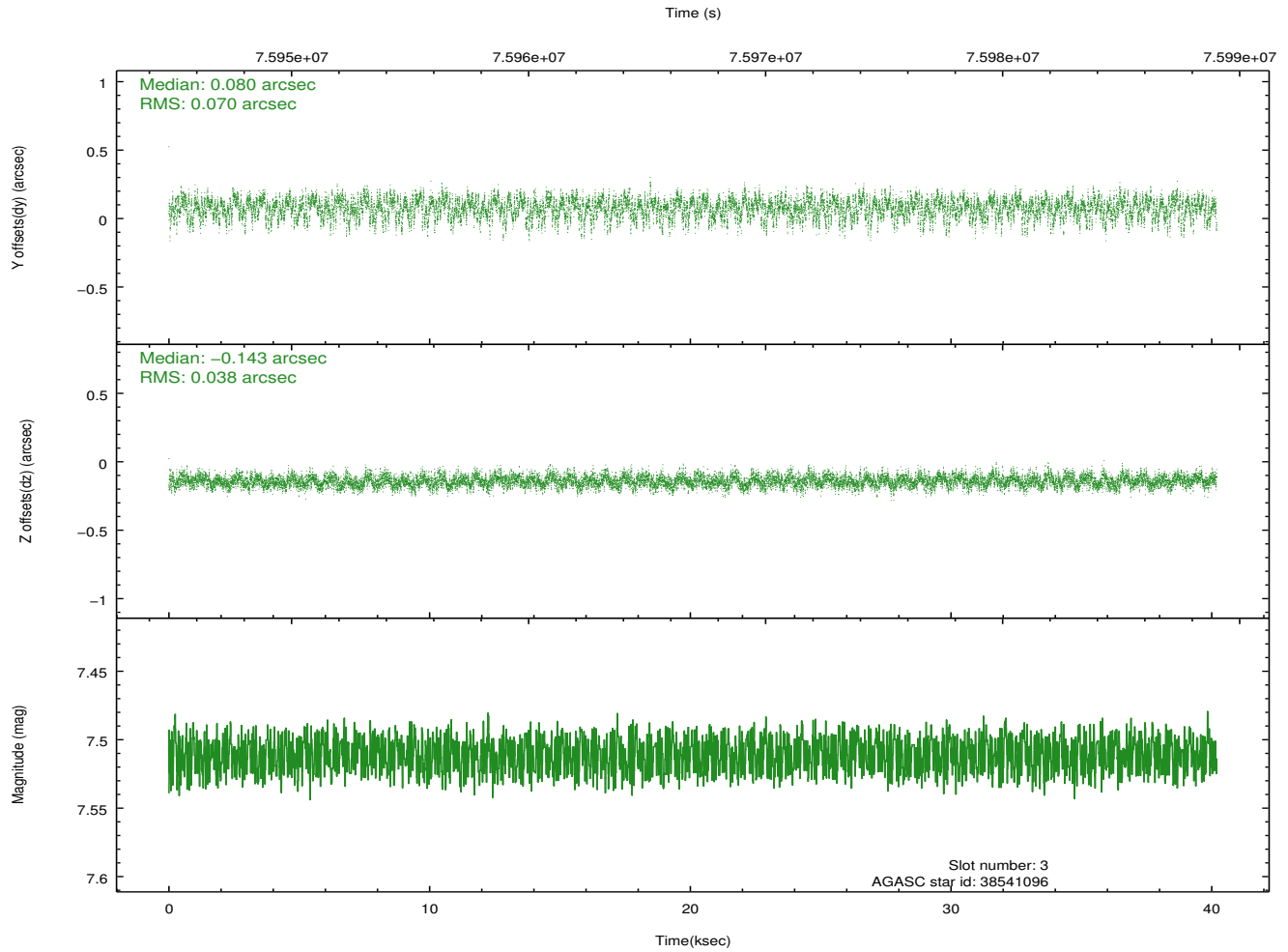
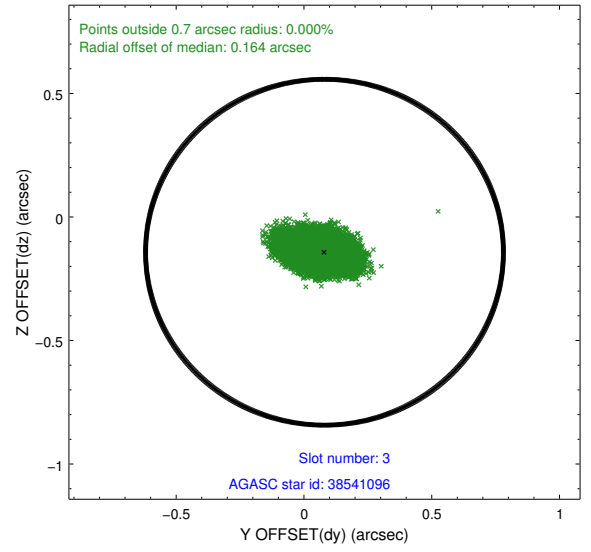
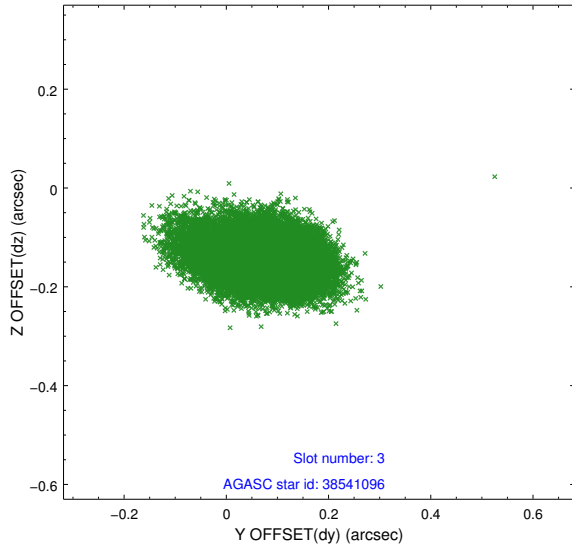


Slot Statistics

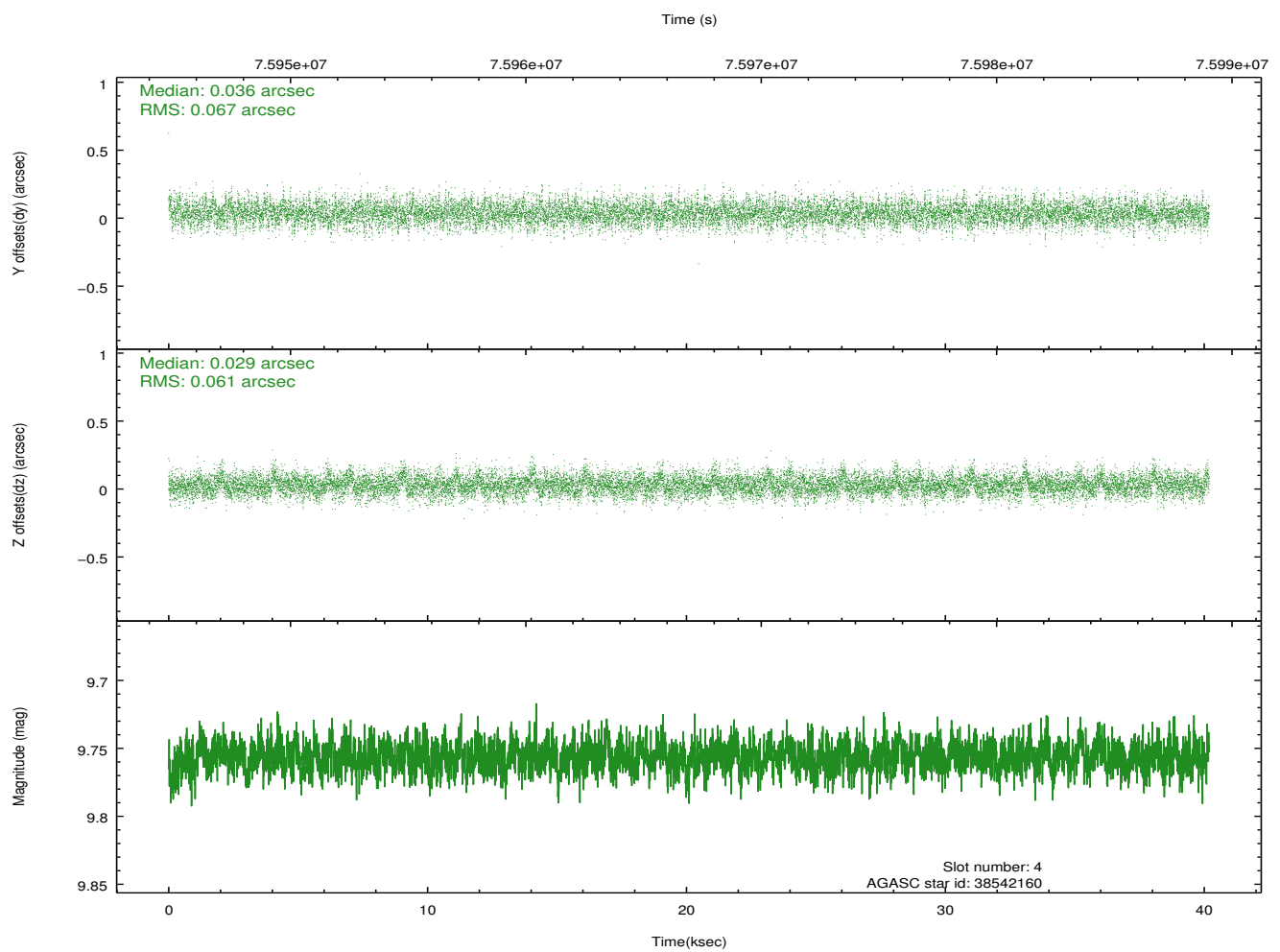
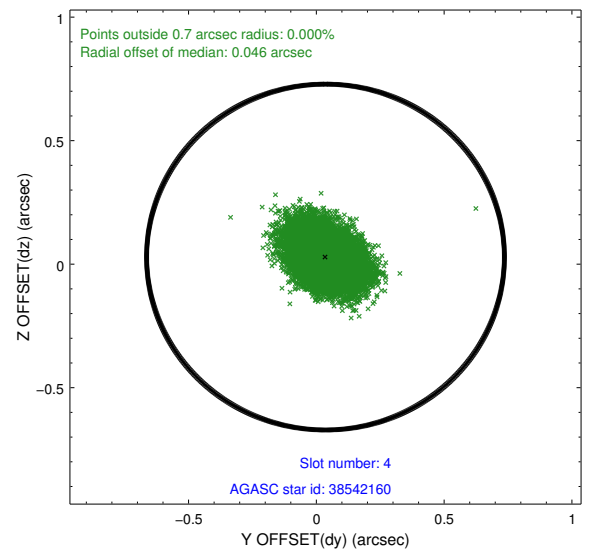
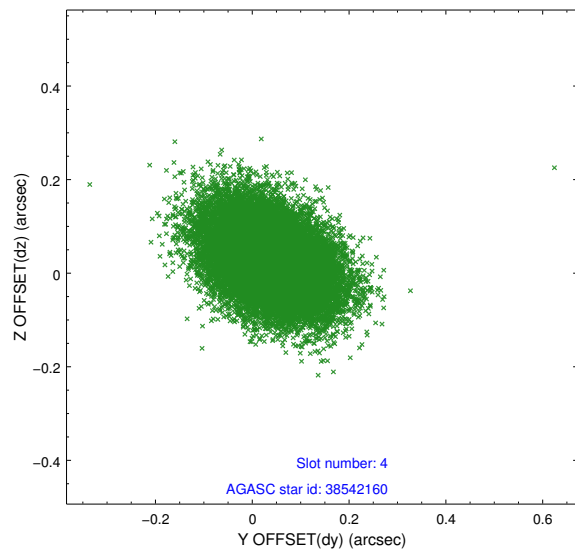
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	9803	-0.025	-0.011	0.007	0.011	0.000000	0.000000	-754.36	-1725.64
1	FID	ACIS-S-4	7.21	9803	-0.002	0.015	0.006	0.011	0.000000	0.000000	2158.95	182.85
2	FID	ACIS-S-5	7.24	9803	-0.003	0.005	0.007	0.011	0.000000	0.000000	-1807.15	176.54
3	GUIDE	38541096	7.51	19604	0.080	-0.143	0.083	0.143	193.417243	4.237769	2211.01	-2159.90
4	GUIDE	38542160	9.76	19588	0.036	0.029	0.095	0.161	194.262505	4.190572	872.50	569.13
5	GUIDE	38542992	9.87	19593	-0.090	0.156	0.110	0.183	194.621974	4.119512	462.05	1819.62
6	GUIDE	38539000	9.90	19594	-0.047	-0.088	0.107	0.176	193.841455	4.581764	385.50	-1438.37
7	GUIDE	38537000	9.20	19604	0.027	0.046	0.082	0.138	194.117622	4.598405	-152.26	-603.89

2.4 Star Slots

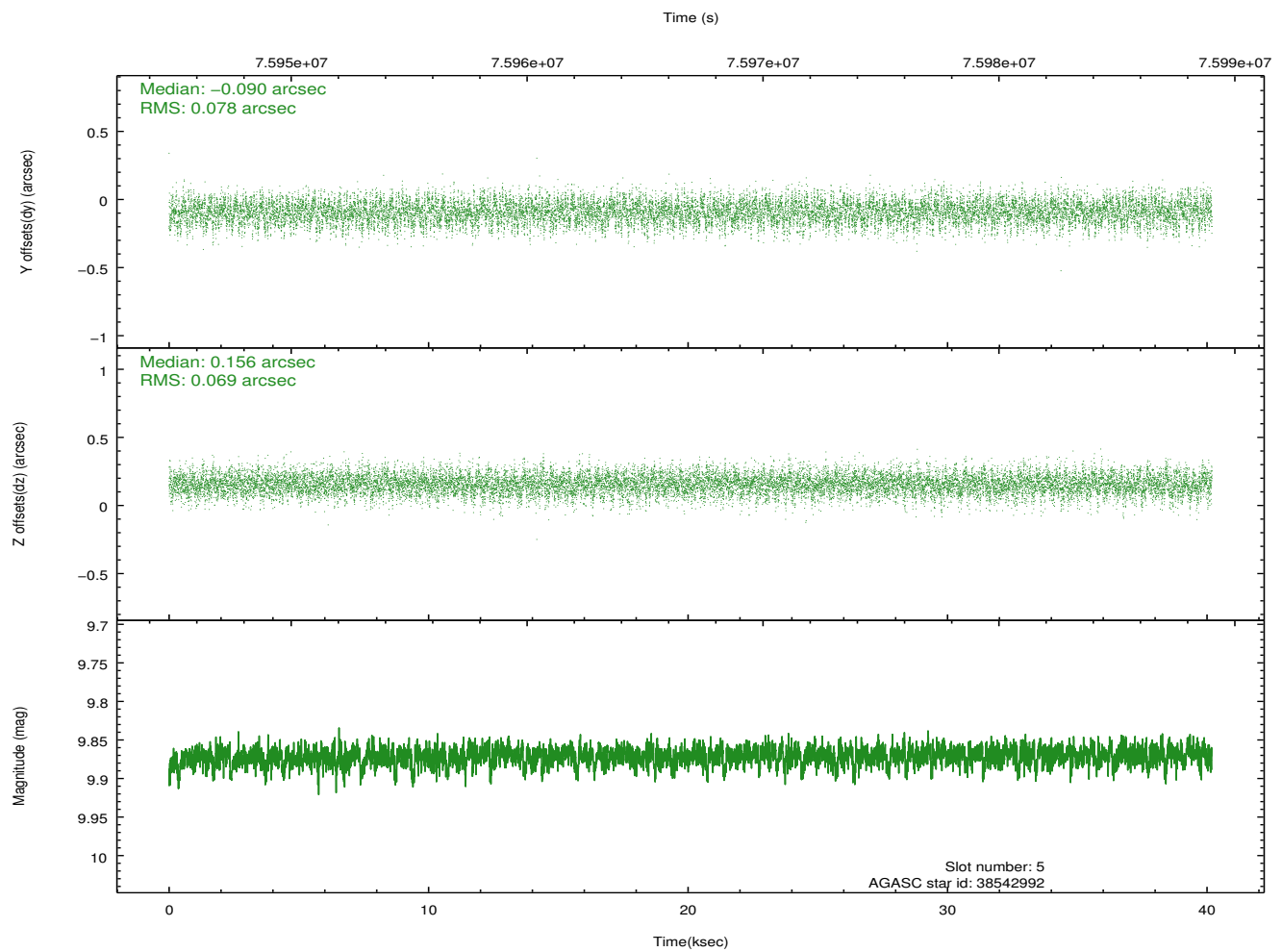
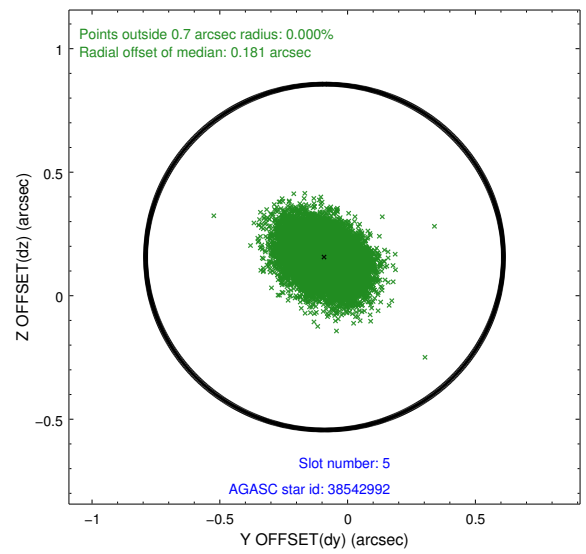
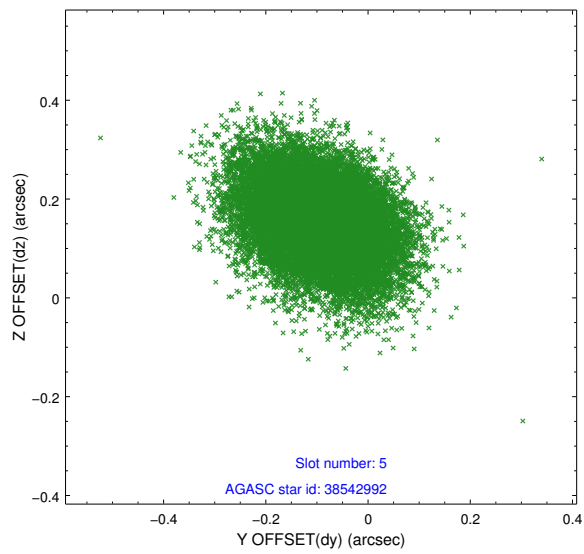
2.4.1 Slot 3



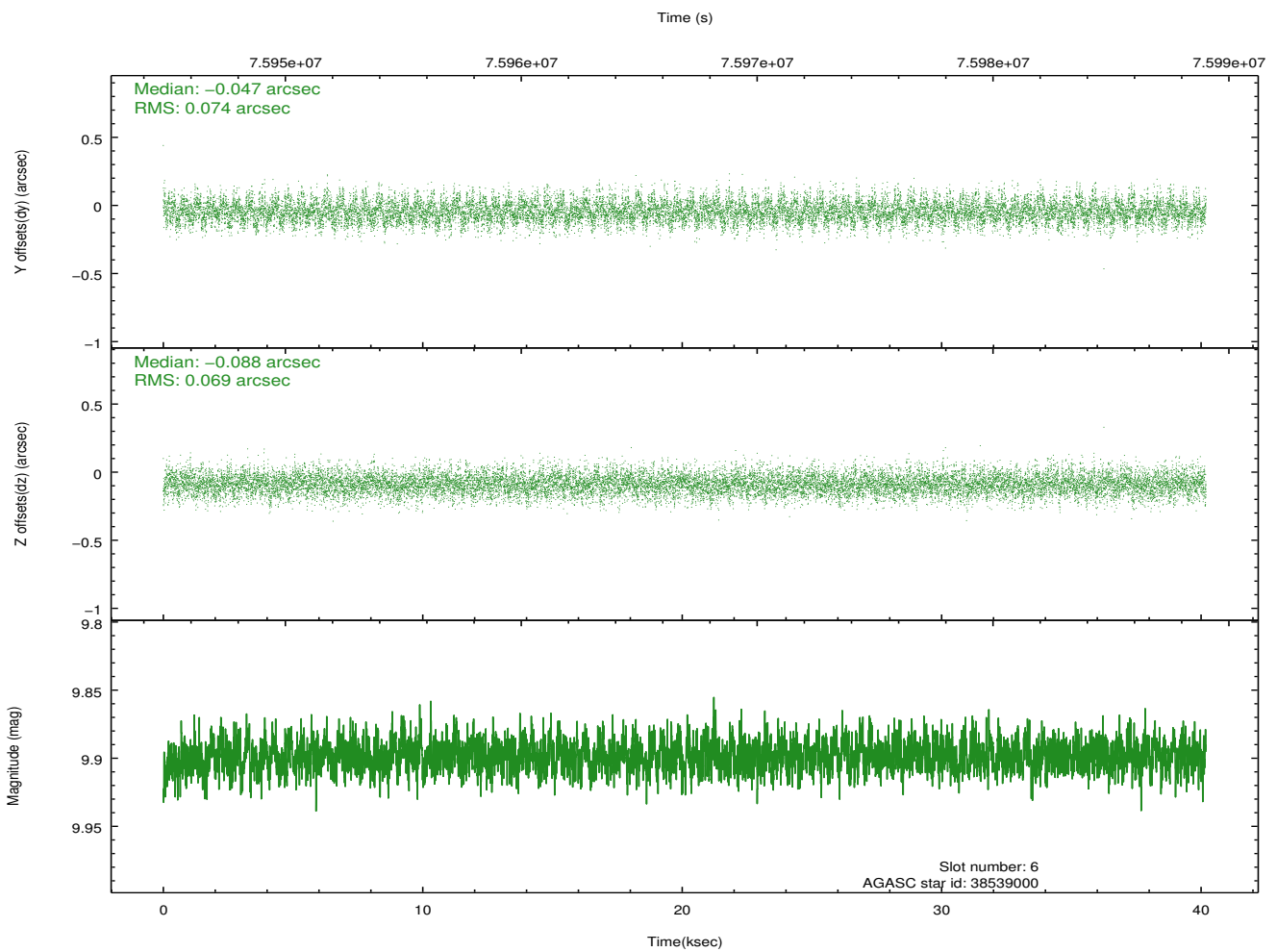
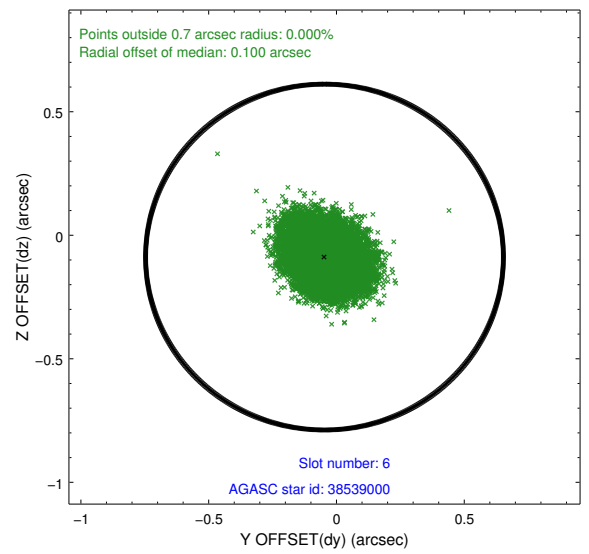
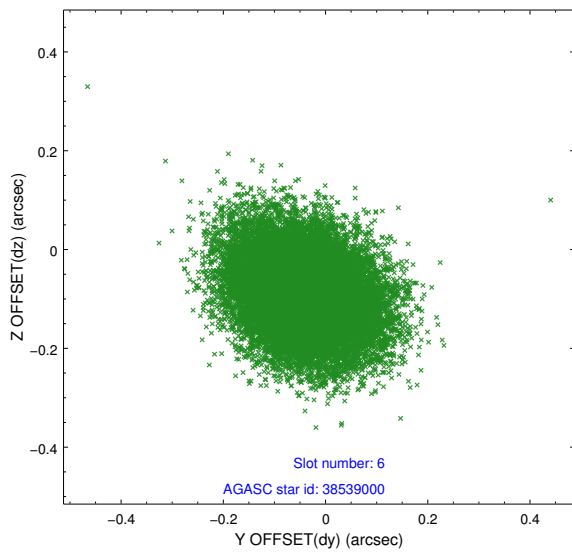
2.4.2 Slot 4



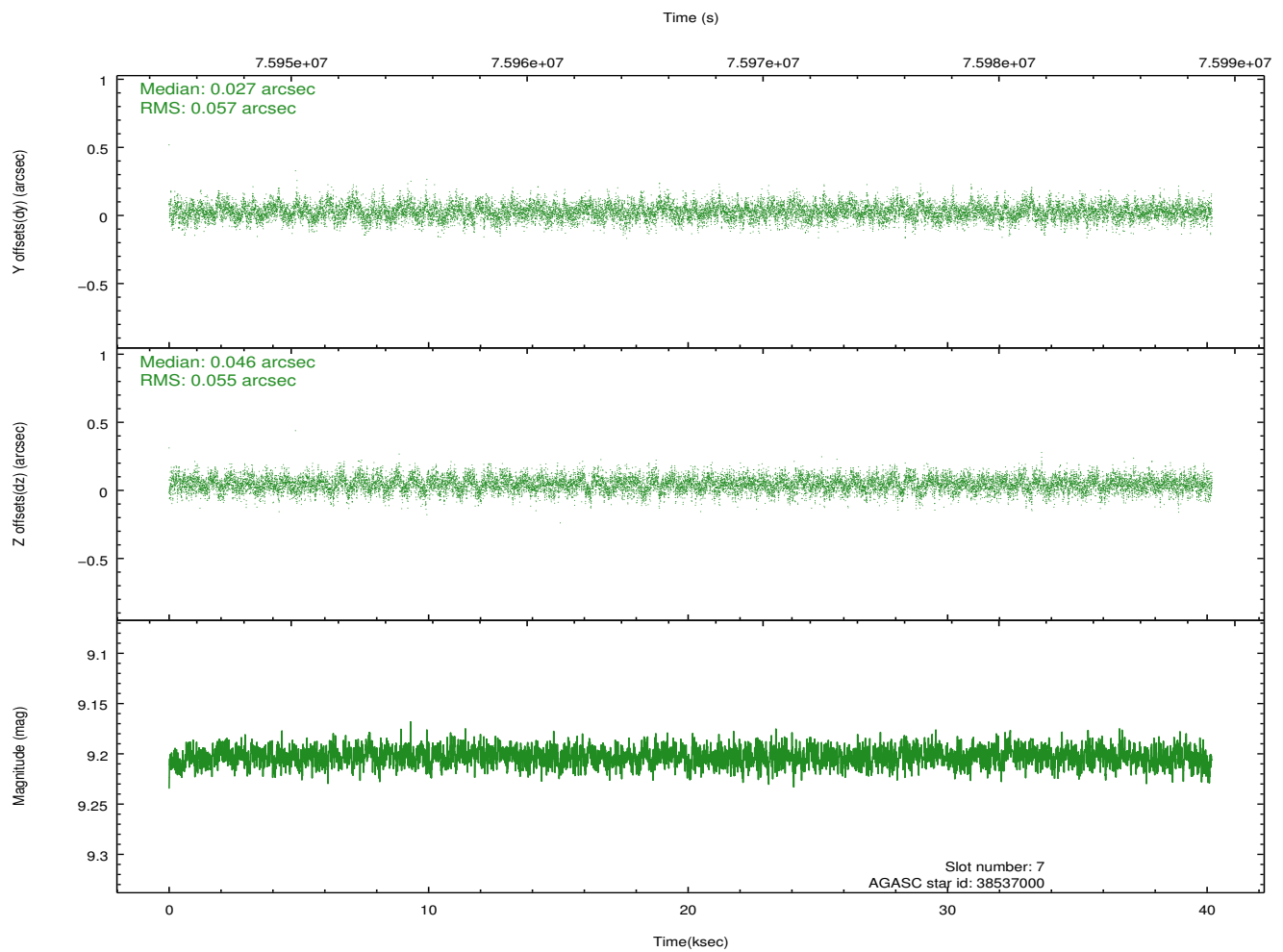
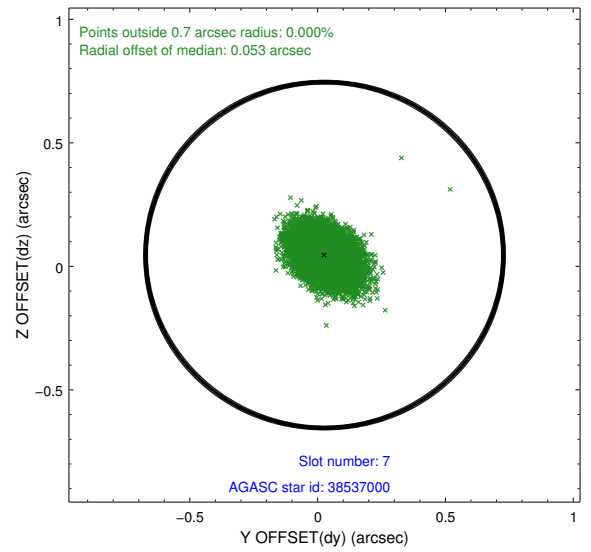
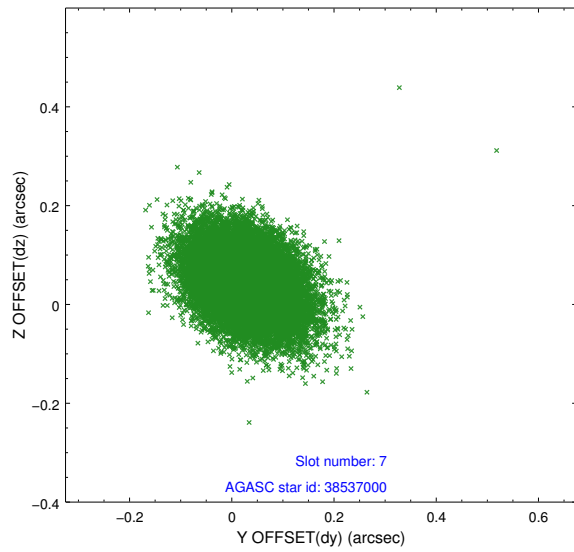
2.4.3 Slot 5



2.4.4 Slot 6

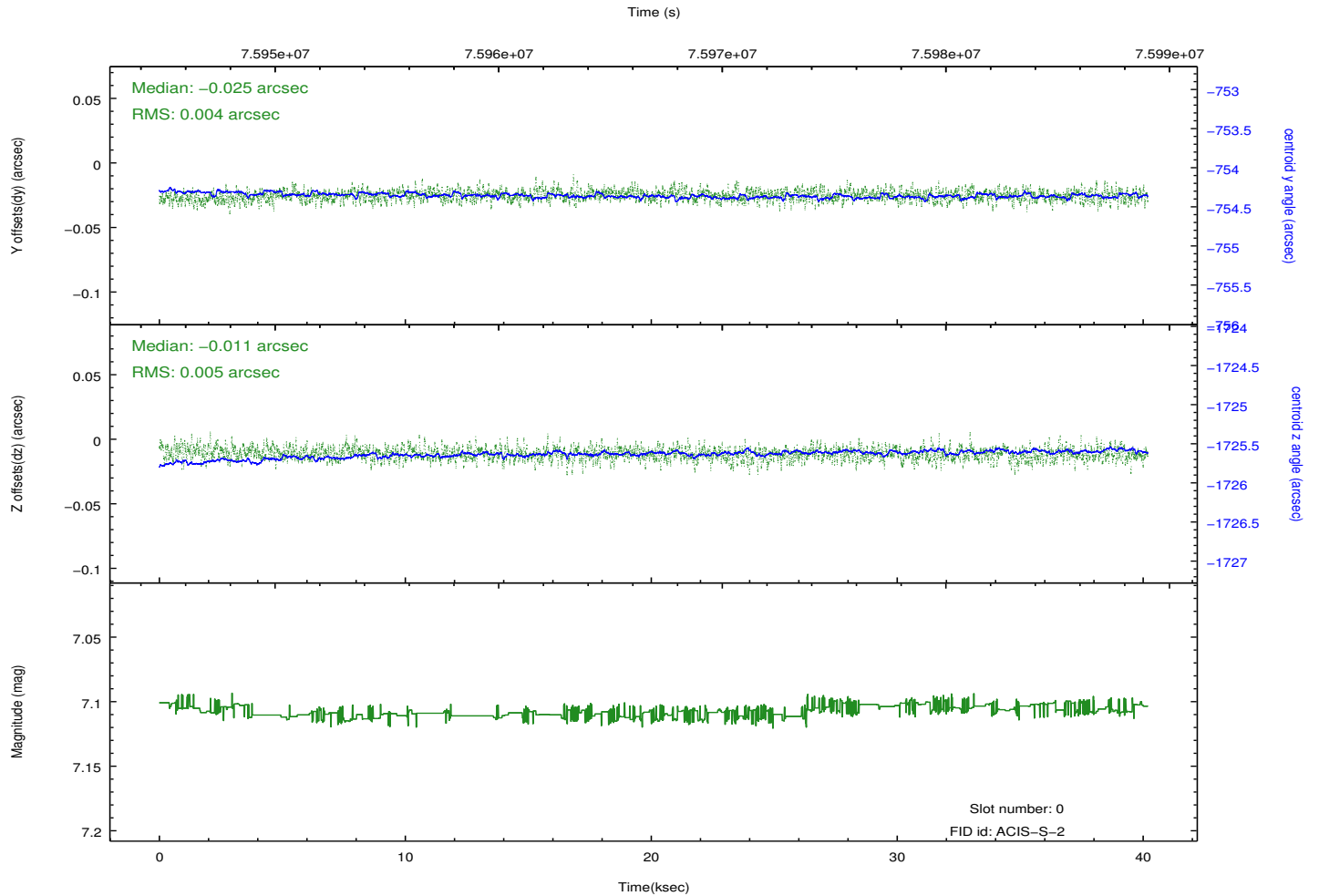
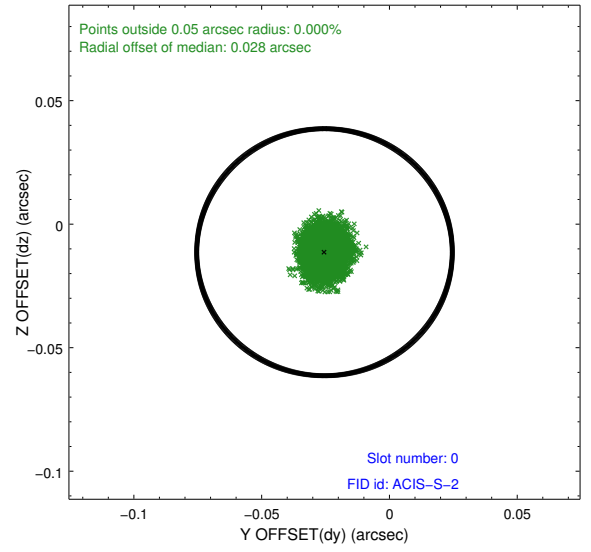
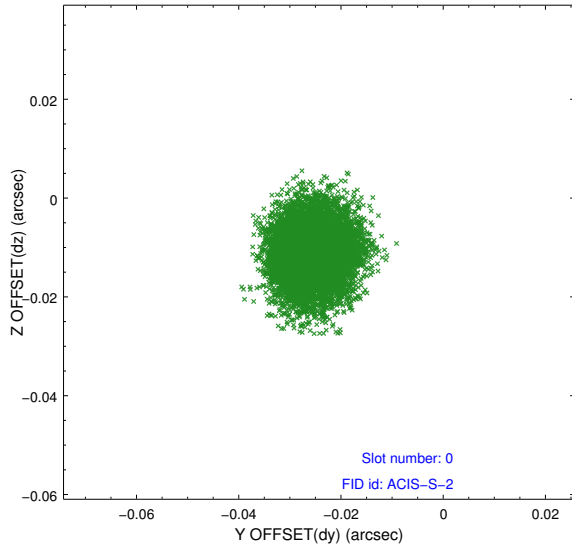


2.4.5 Slot 7

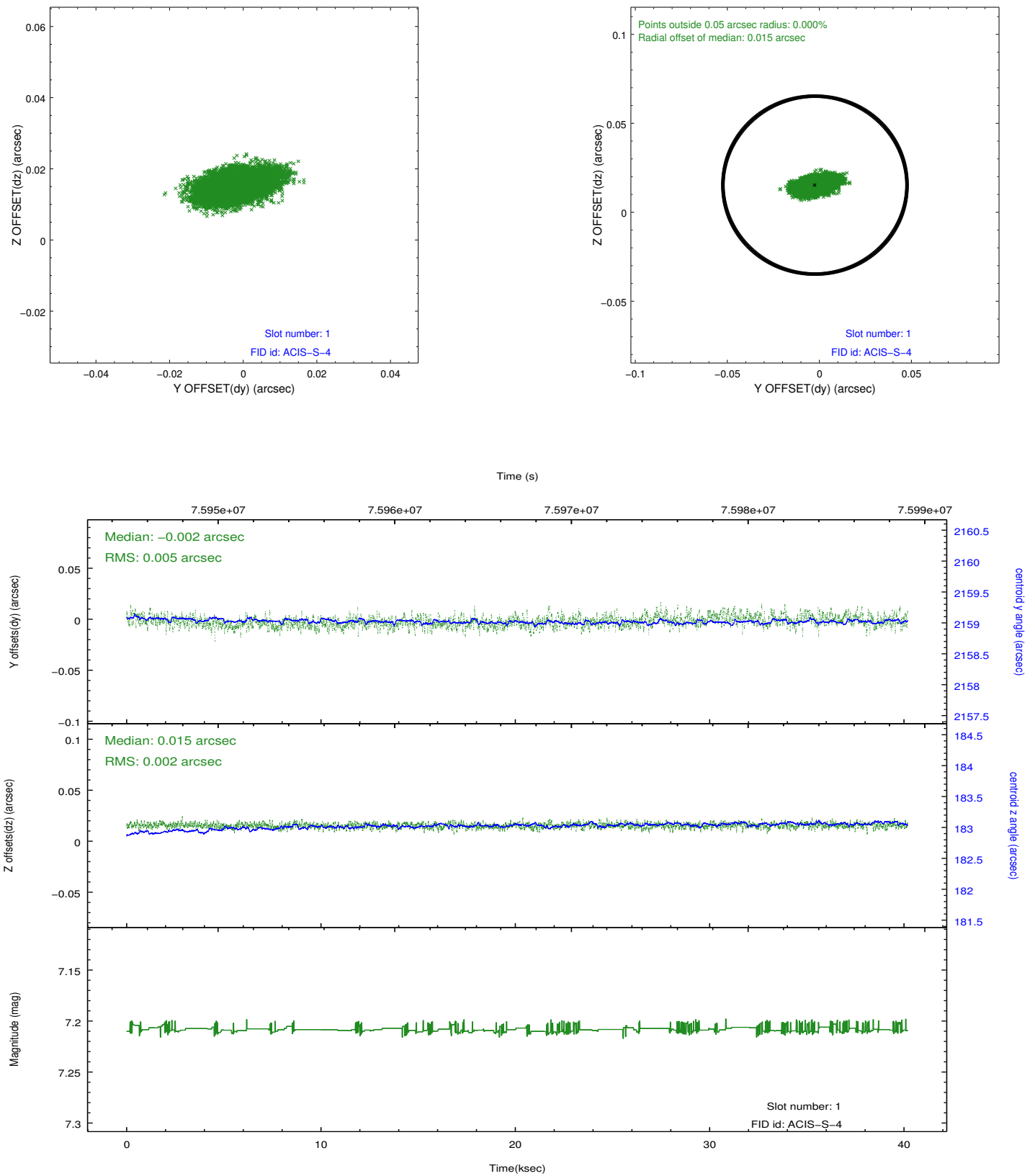


2.5 FID Slots

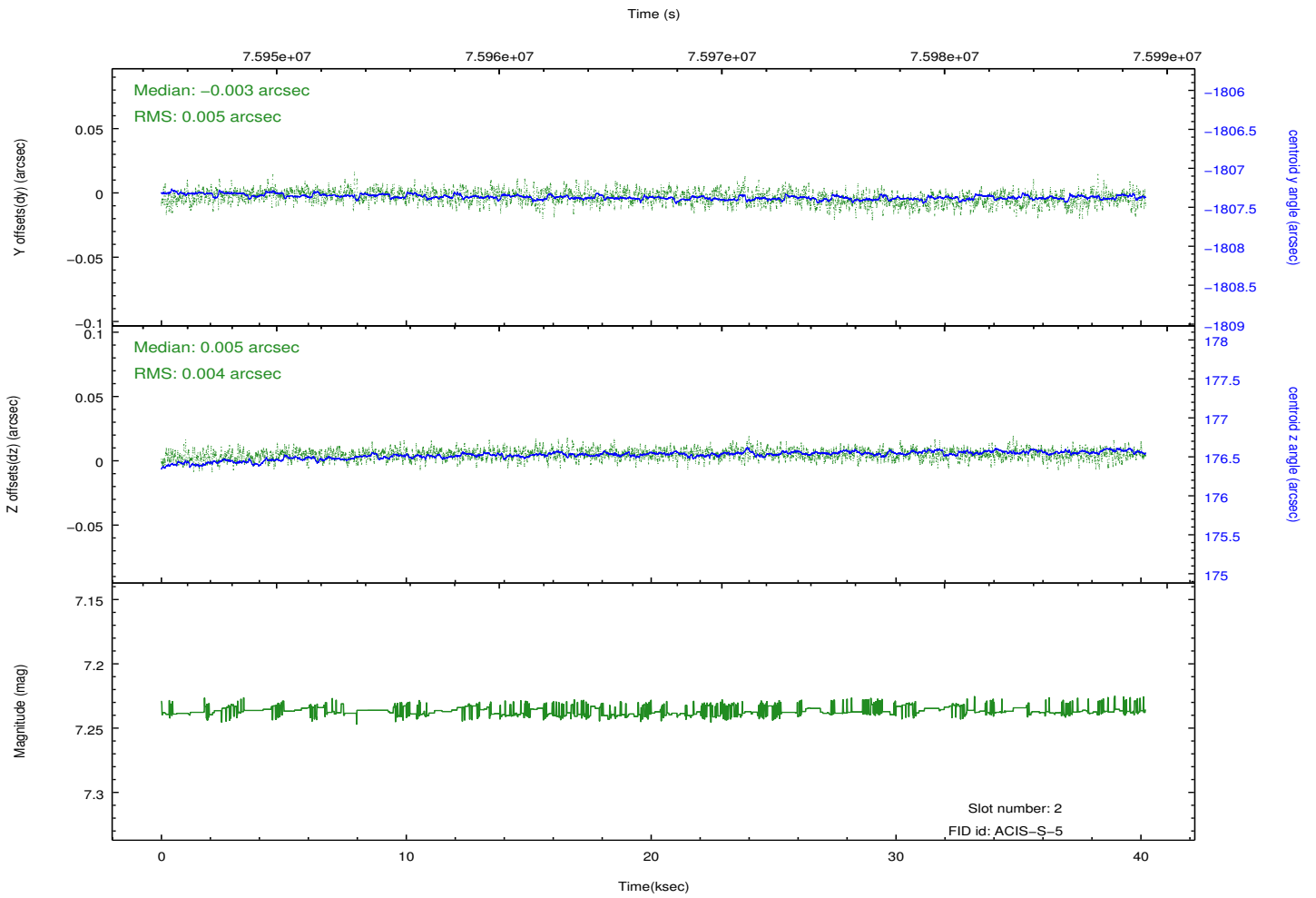
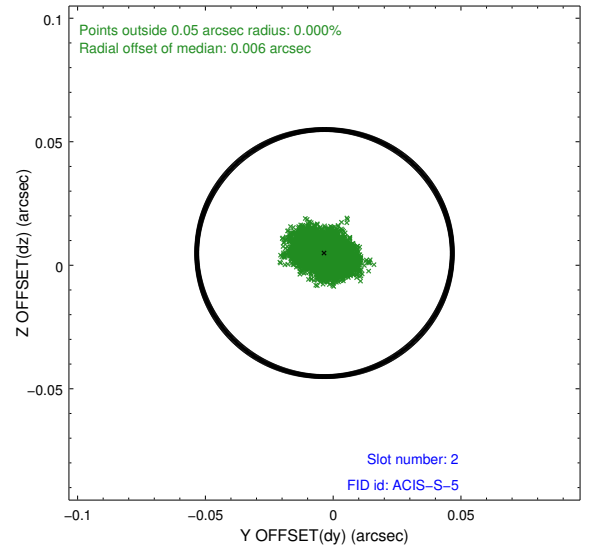
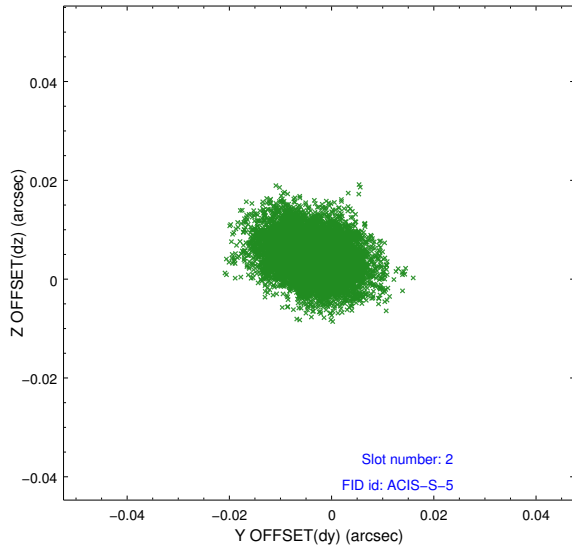
2.5.1 Slot 0



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)	2012.08.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	39.732

A.2 Comments