

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3129 - L2 Version 4
Chandra X-Ray Center

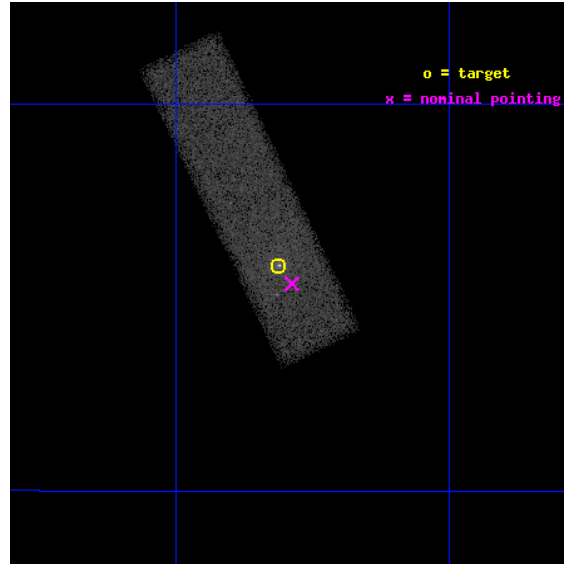
L2 Processing Date : Oct 11 2012

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1 Front

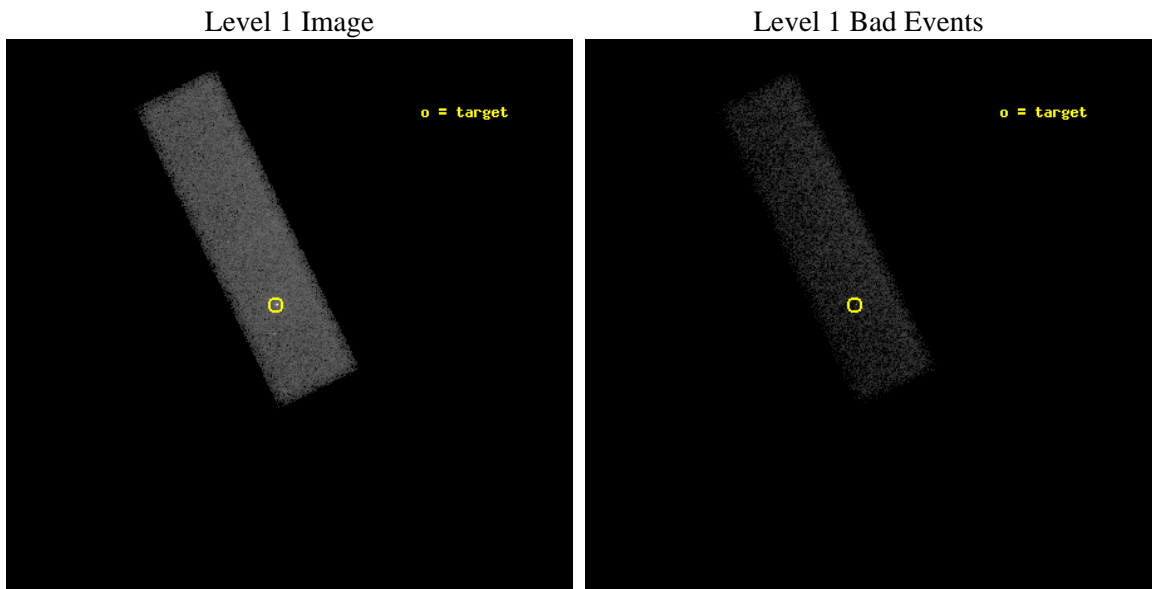
seq_num	700568	Sequence number
obs_id	3129	Observation id
title	3C 346, 3C 78, AND THE X-RAY EMISSION MECHANISM FROM OPTICAL JETS	
observer	Prof Mark Birkinshaw	Principal investigator
object	3C346	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	250.952917	Observer's specified target RA [deg]
dec_targ	17.263611	Observer's specified target Dec [deg]
ra_nom	250.94694222609	Nominal RA [deg]
dec_nom	17.255775739799	Nominal Dec [deg]
roll_nom	244.07784163497	Nominal Roll [deg]
revision	4	Processing version of data
ontime	46691.159675688	Sum of GTIs [s]
livetime	44412.783863491	Livetime [s]
ontime7	46691.159675688	Sum of GTIs [s]
l2events	47574	Number of level 2 events



2 OBI

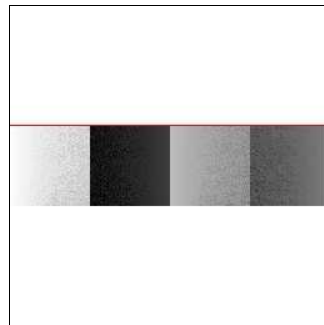
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	46232.142000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	46691.159675688	Sum of GTIs [s]
caldbver	4.5.2	 	ontime7	46691.159675688	Sum of GTIs [s]
date	2012-10-11T21:37:50	Date and time of file creation	l1events	99175	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

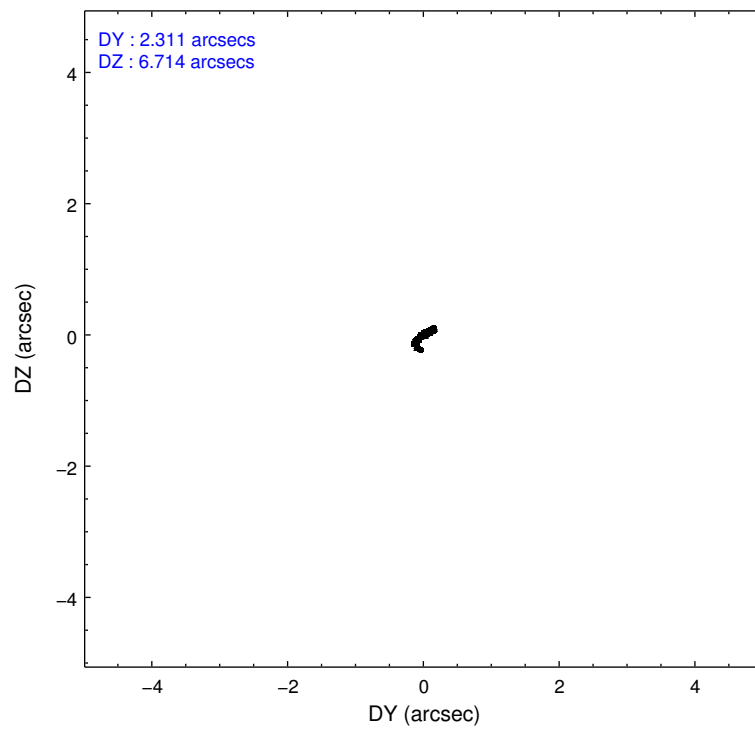
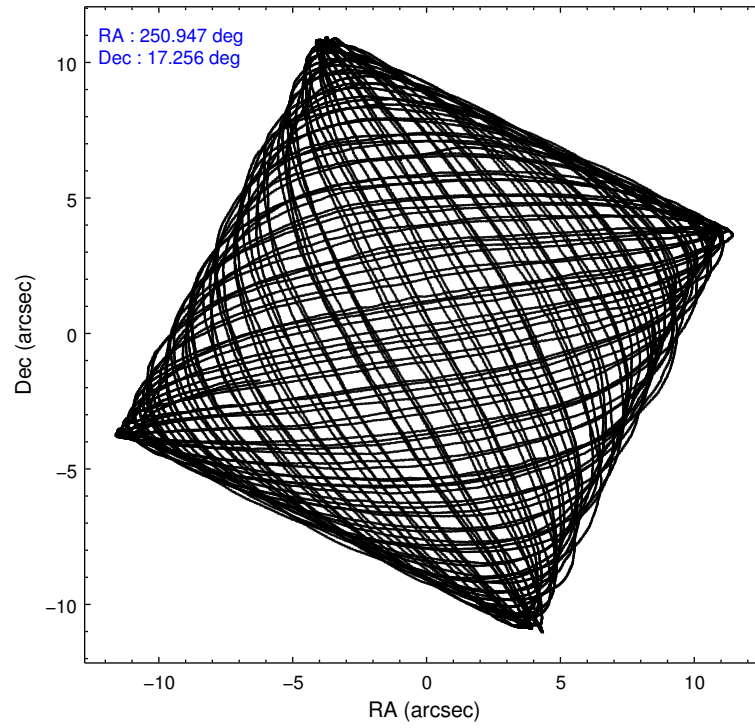
	ccd 7
level 1 events	99175
rejected events	50218
rejected %	50%

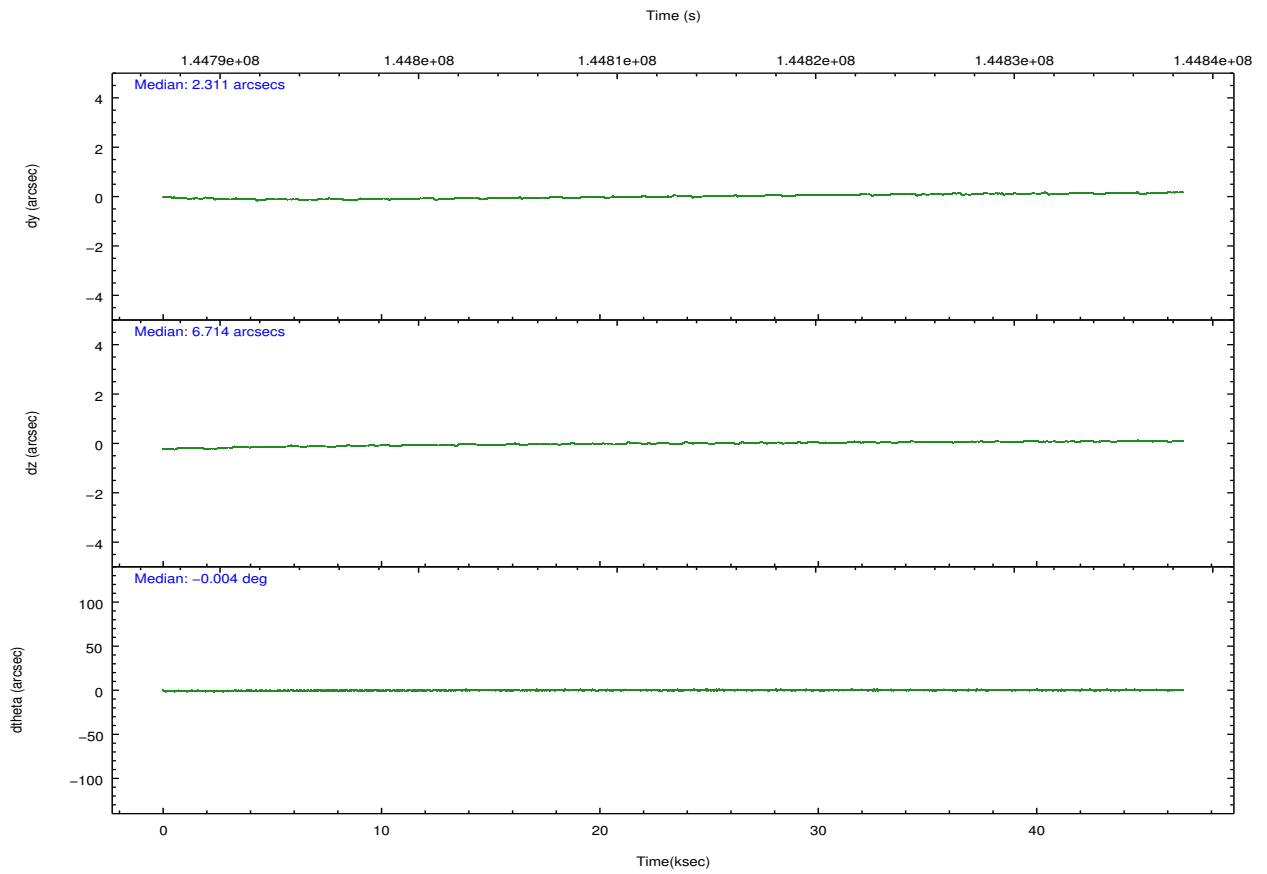
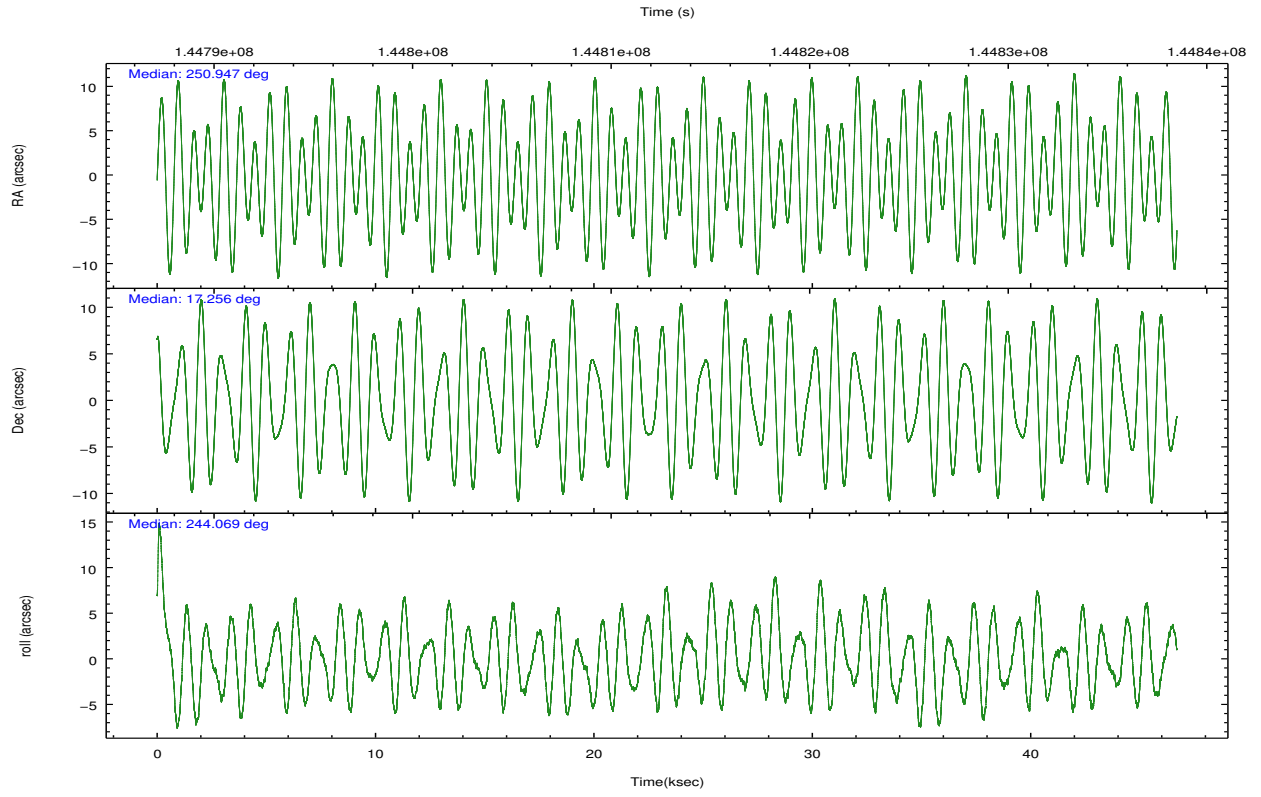
	ccd 7
grade 0 events	6951
	7%
grade 1 events	99
	0%
grade 2 events	10151
	10%
grade 3 events	5561
	5%
grade 4 events	5418
	5%
grade 5 events	8508
	8%
grade 6 events	21204
	21%
grade 7 events	41283
	41%

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	250.944549	250.9469422260917	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	17.282925	17.25577573979914	Subarray start row	384	385
[deg] Pointing Roll	243.921930	244.077841634966	Subarray row count	256	256
[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	0.8
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	144789934.184000	144788835.14143			
Observation start date	2002-08-03T19:24:30	2002-08-03T19:07:15			
[s] Observation end time (MET)	144836166.184000	144836481.24339			
Observation end date	2002-08-04T08:15:02	2002-08-04T08:21:21			
Read mode	TIMED	TIMED			

2.3 Aspect



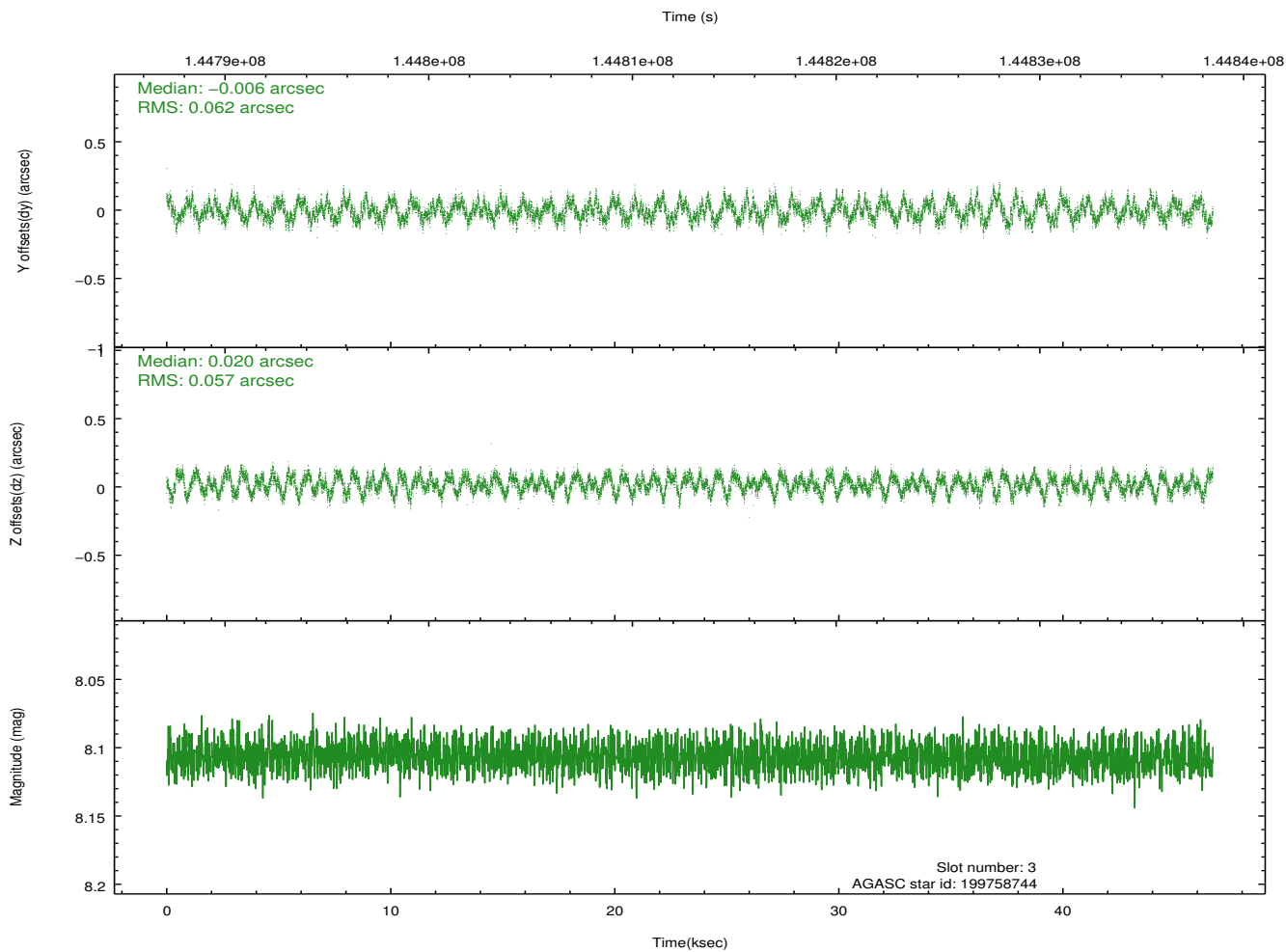
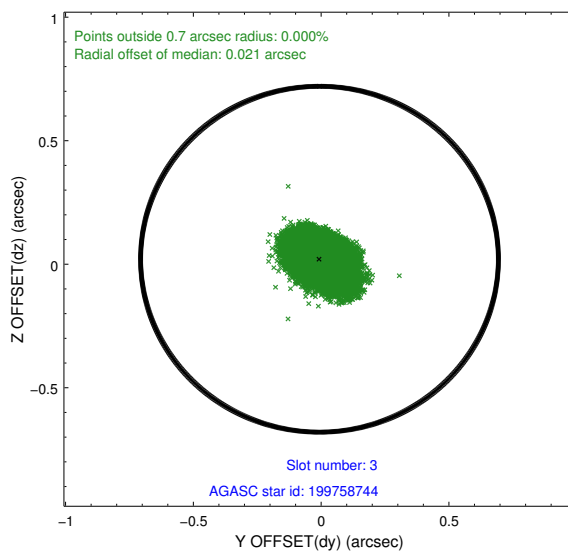
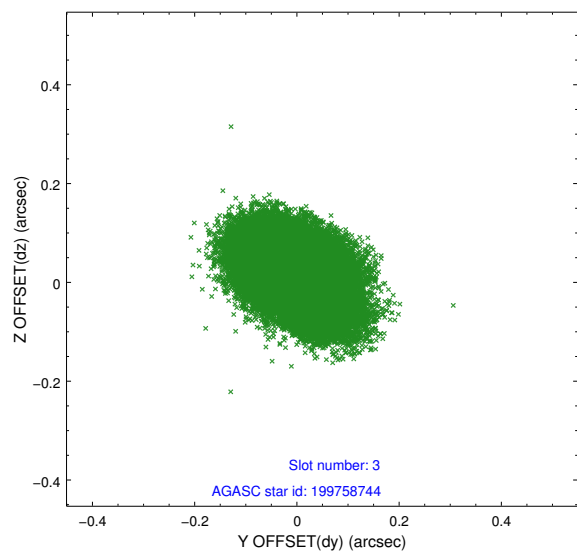


Slot Statistics

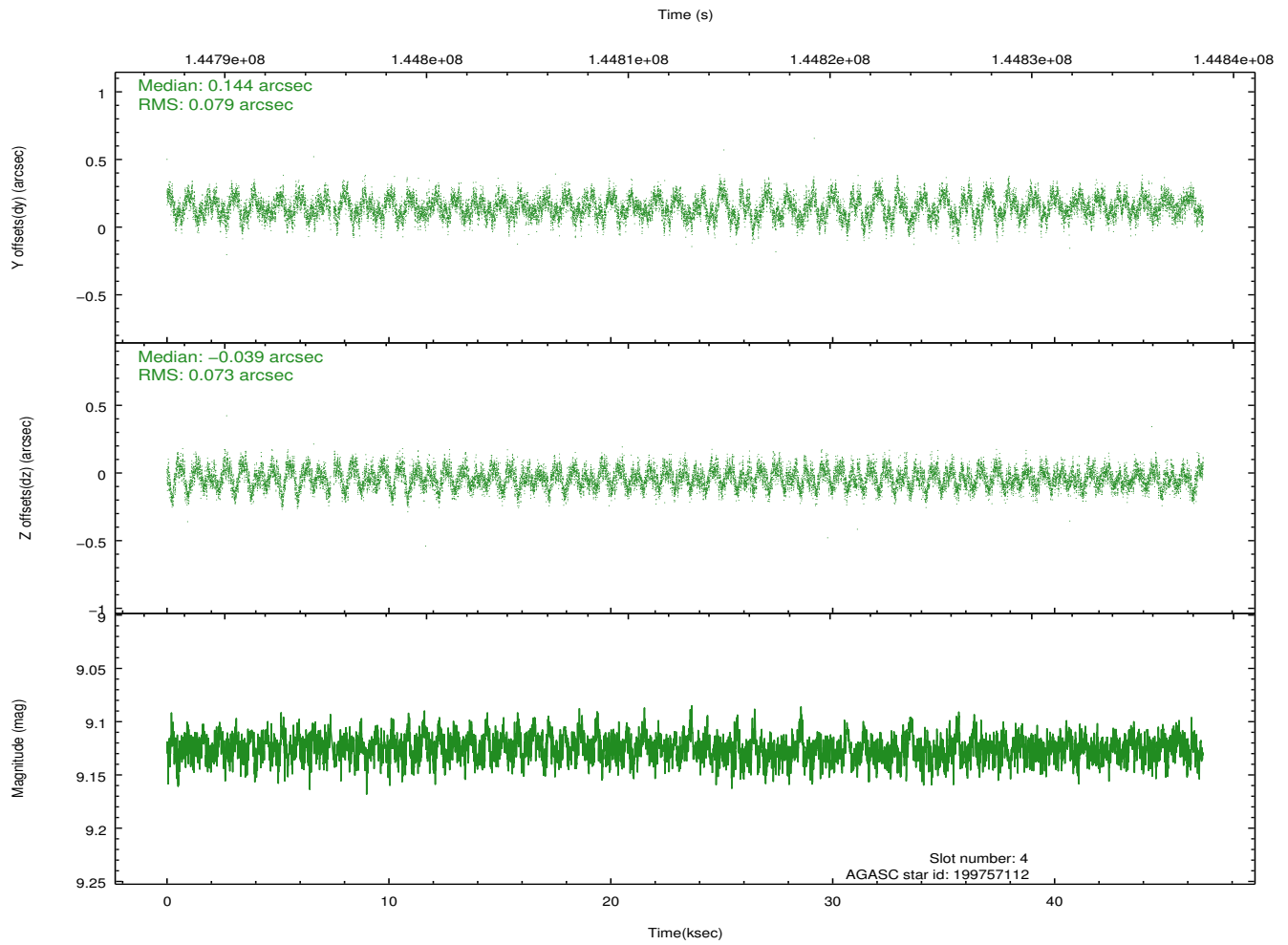
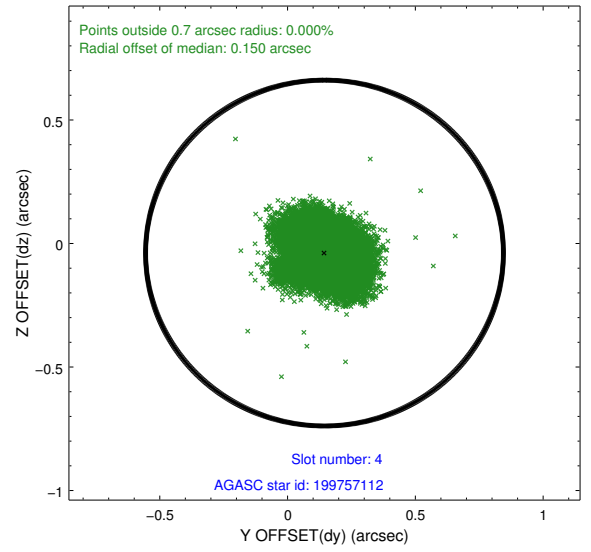
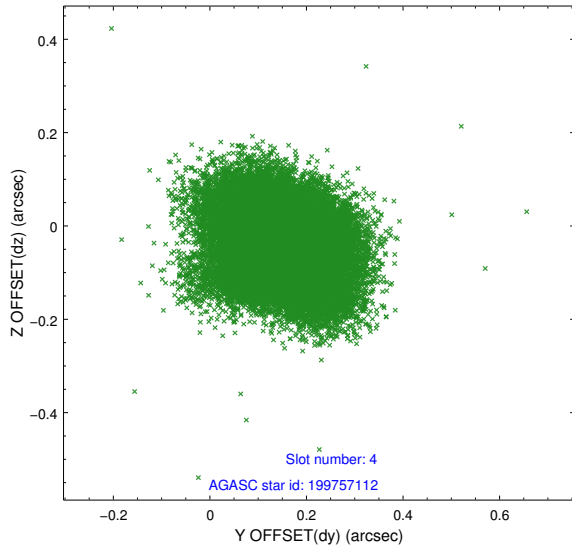
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	11389	-0.032	0.010	0.007	0.012	0.000000	0.000000	-754.96	-1727.85
1	FID	ACIS-S-4	7.20	11388	-0.026	0.013	0.006	0.010	0.000000	0.000000	2158.31	180.67
2	FID	ACIS-S-5	7.24	11387	0.027	-0.014	0.008	0.013	0.000000	0.000000	-1807.77	174.27
3	GUIDE	199758744	8.11	22776	-0.006	0.020	0.091	0.141	250.652594	17.122319	961.01	-647.54
4	GUIDE	199757112	9.13	22696	0.144	-0.039	0.115	0.181	250.340385	16.932152	2047.10	-1314.28
5	GUIDE	199762288	9.39	22768	-0.039	0.033	0.285	0.396	251.673426	17.490967	-1776.69	1916.97
6	GUIDE	199758224	9.48	22766	0.012	-0.128	0.136	0.207	250.439306	17.324962	626.22	-1626.44
7	GUIDE	199762496	9.46	22768	-0.111	0.119	0.144	0.237	251.650272	17.683936	-2364.39	1537.98

2.4 Star Slots

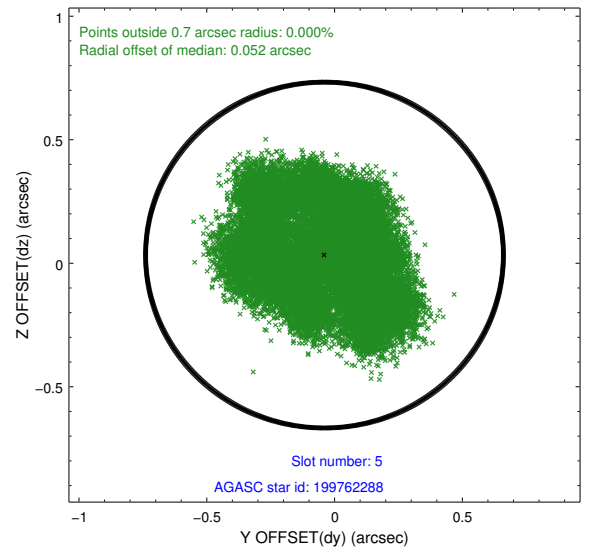
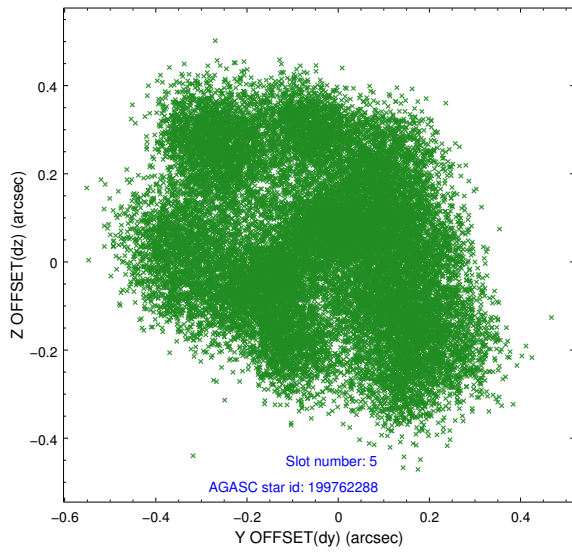
2.4.1 Slot 3



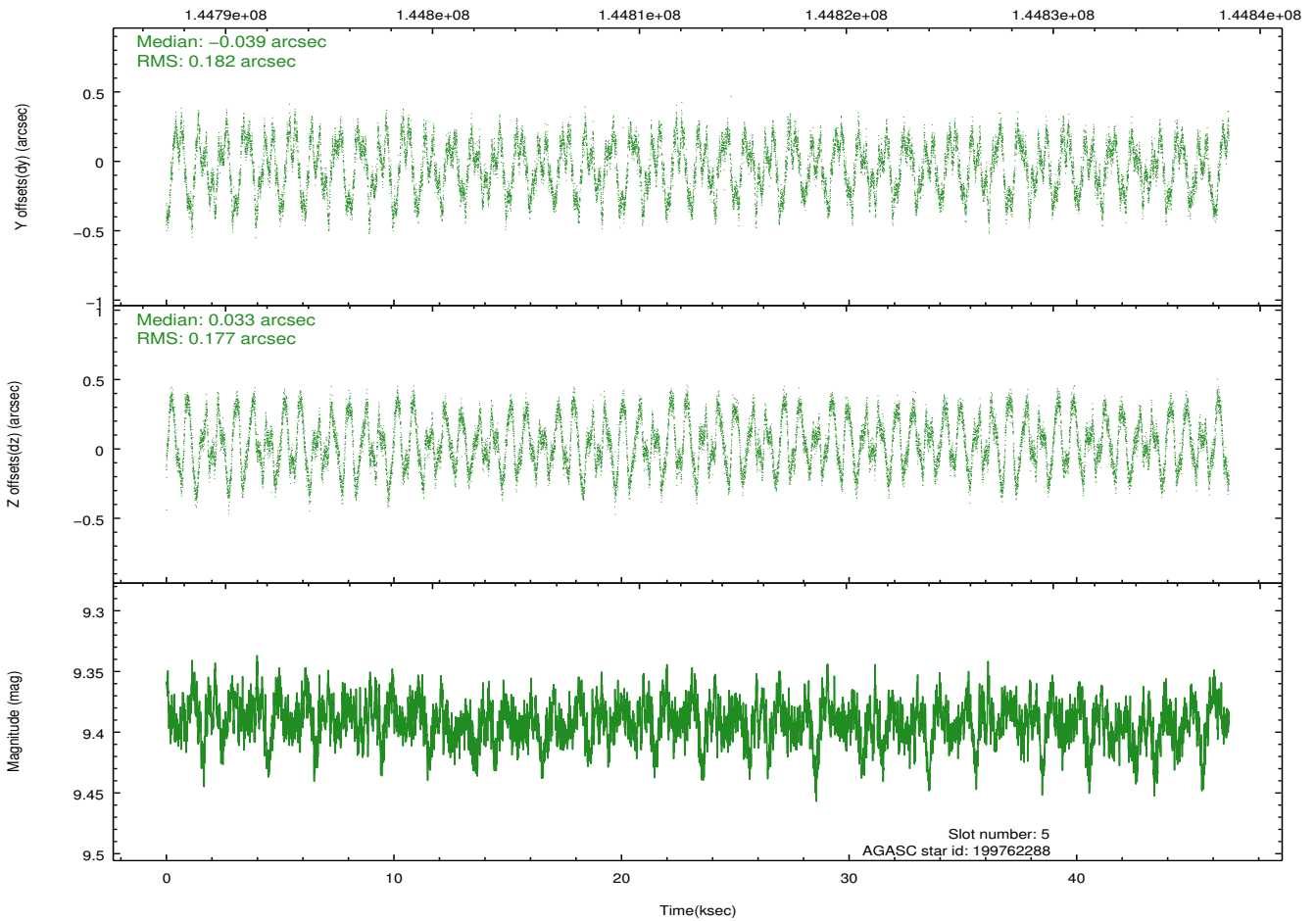
2.4.2 Slot 4



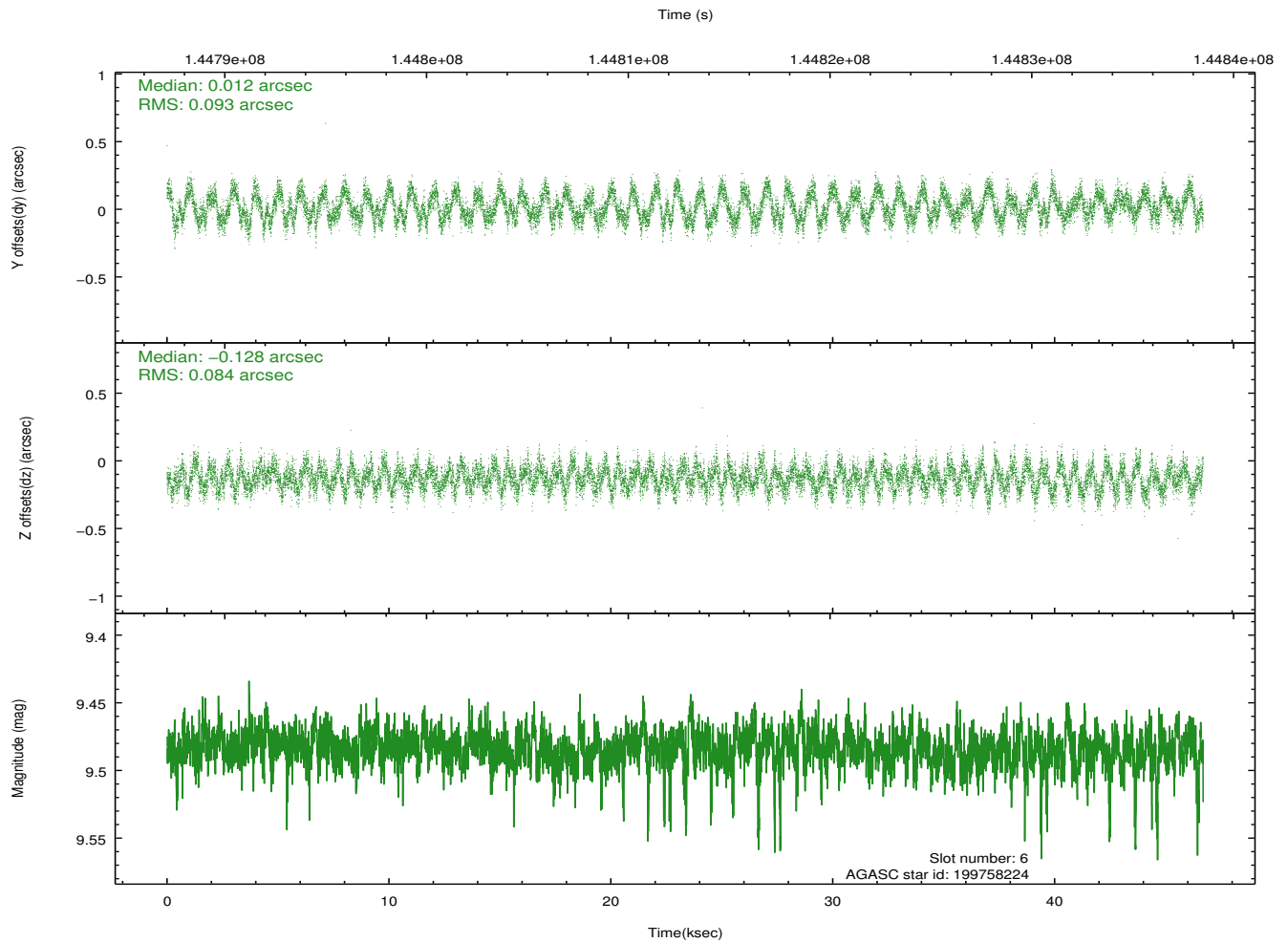
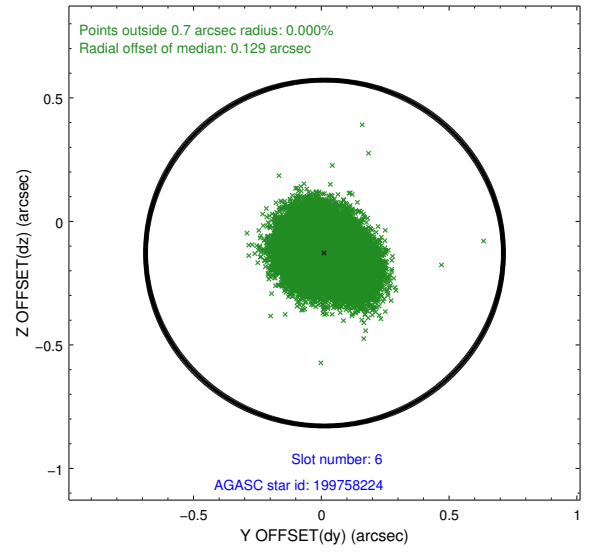
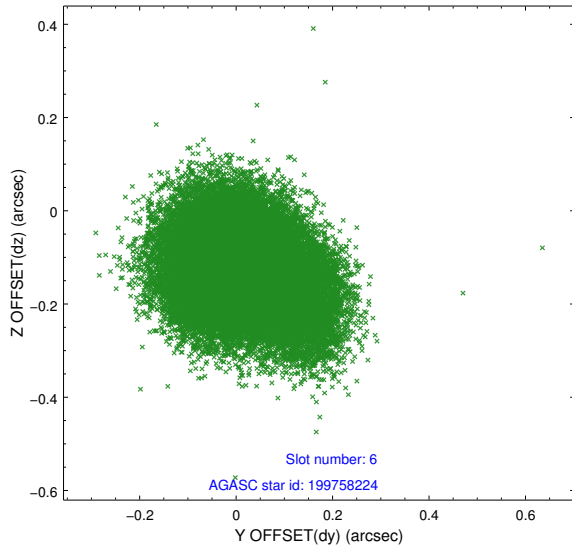
2.4.3 Slot 5



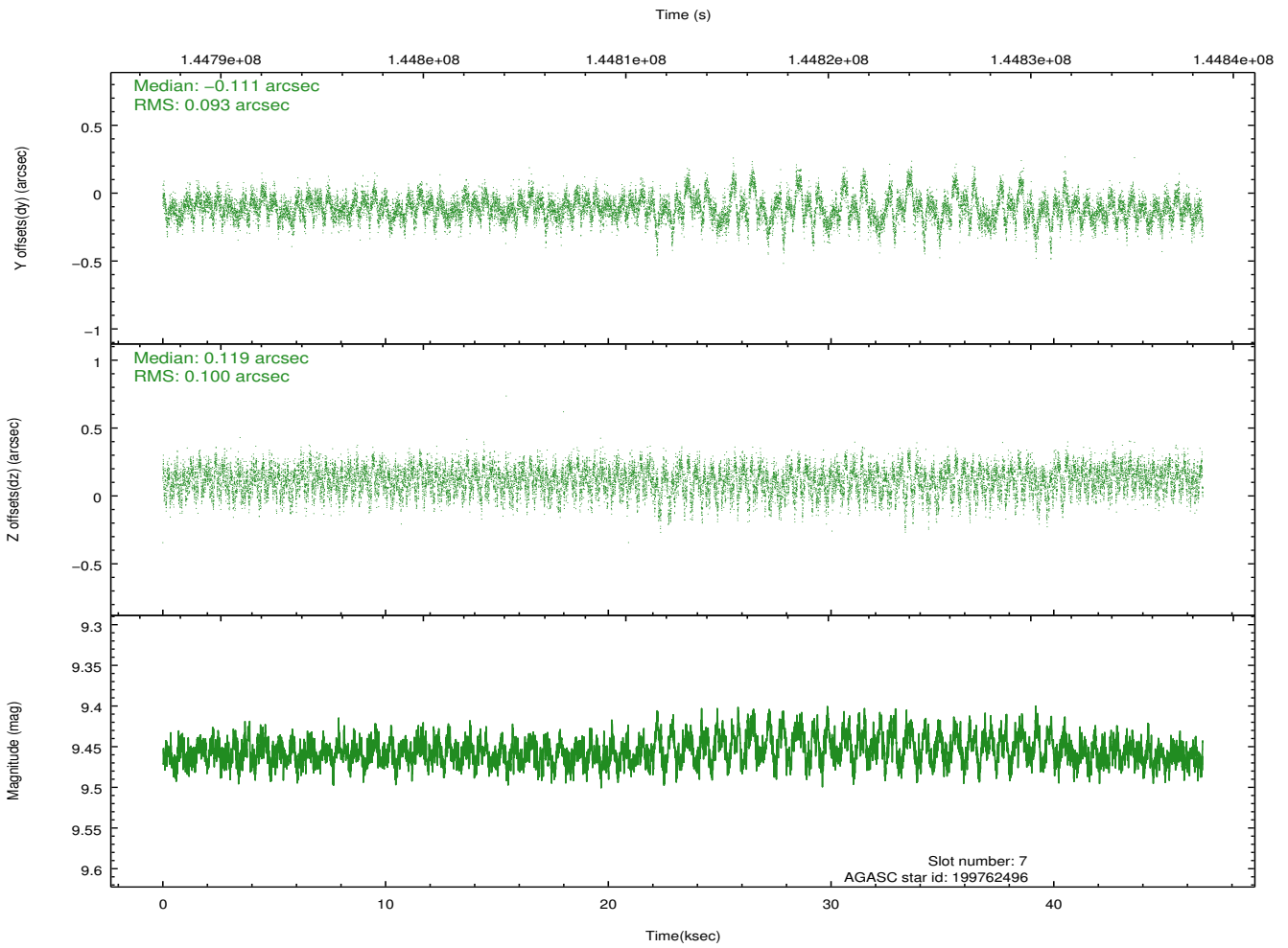
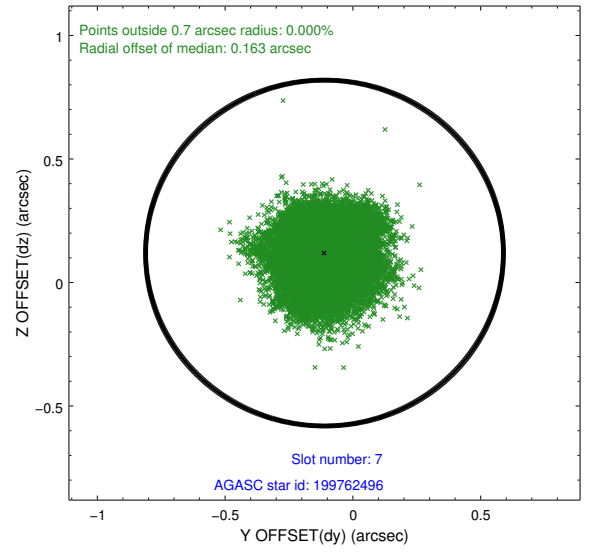
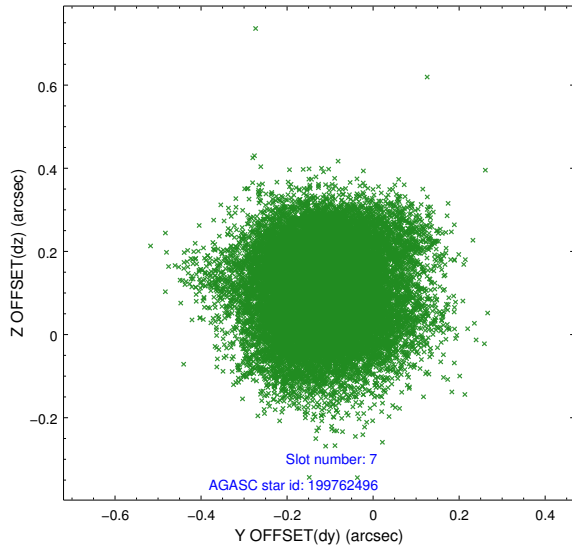
Time (s)



2.4.4 Slot 6

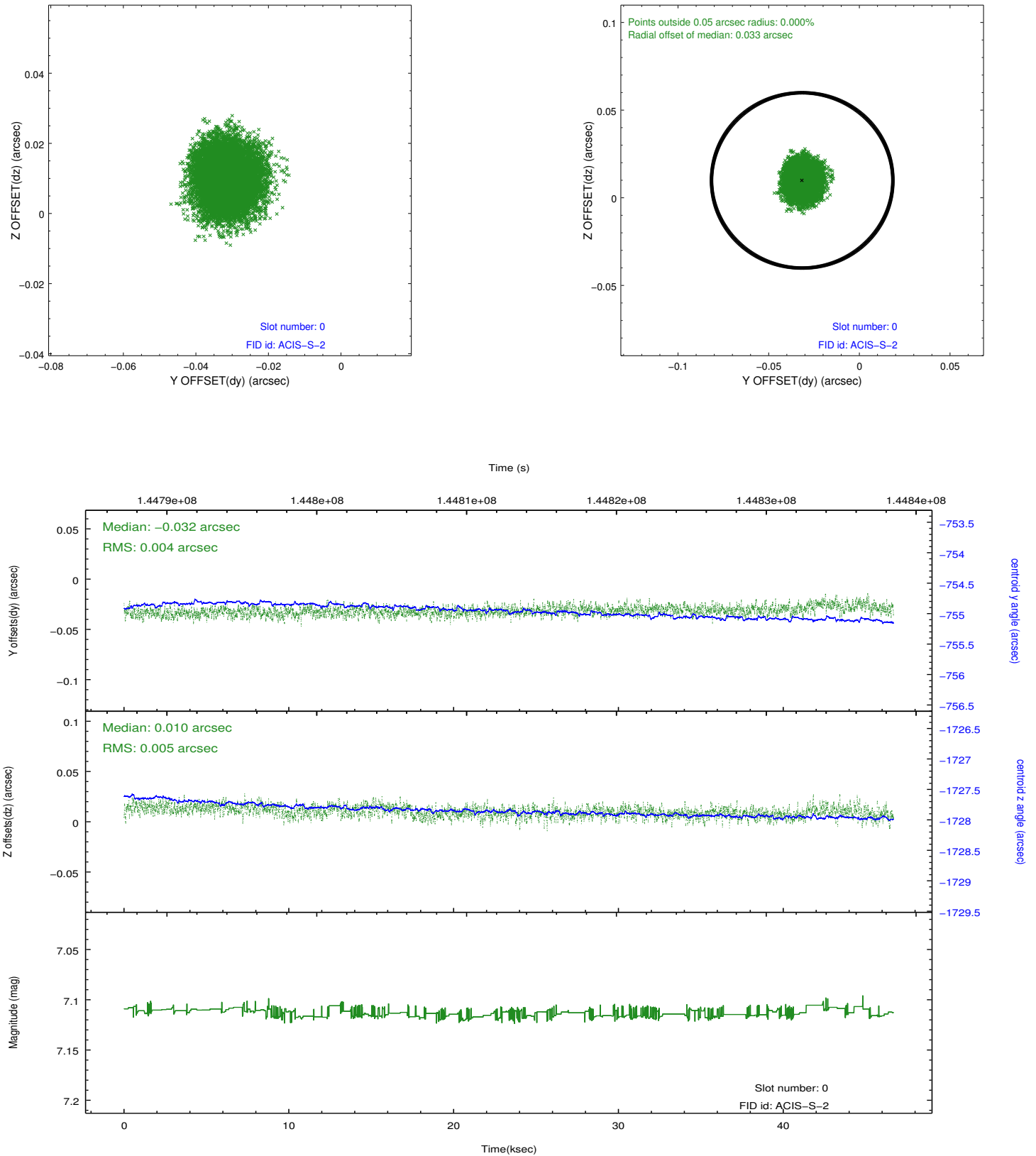


2.4.5 Slot 7

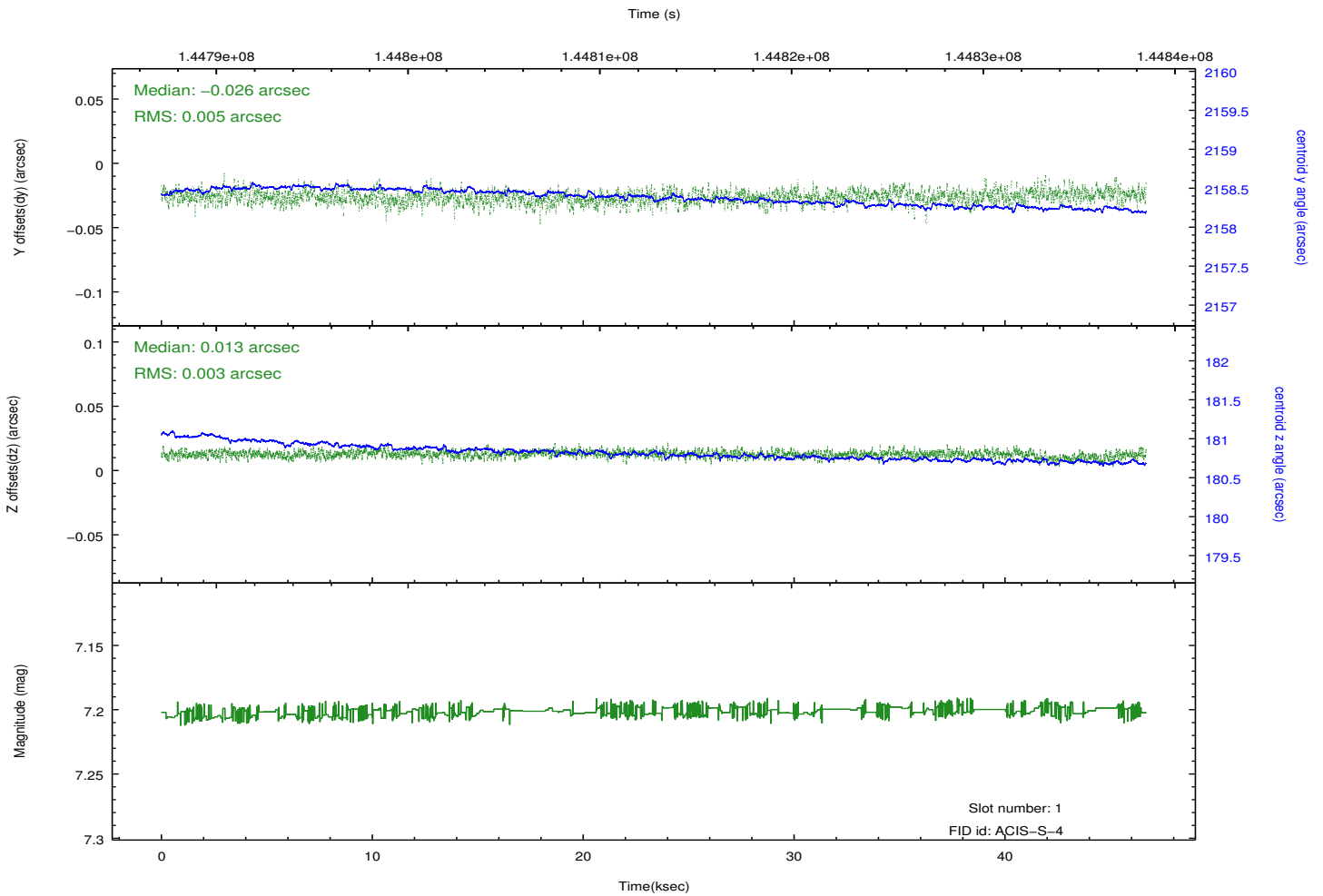
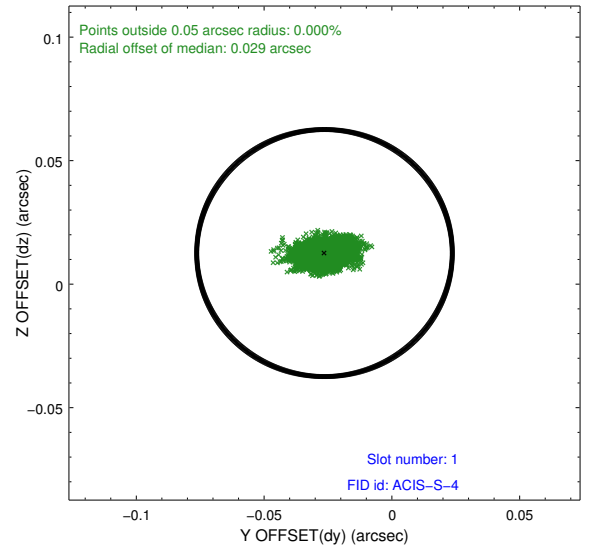
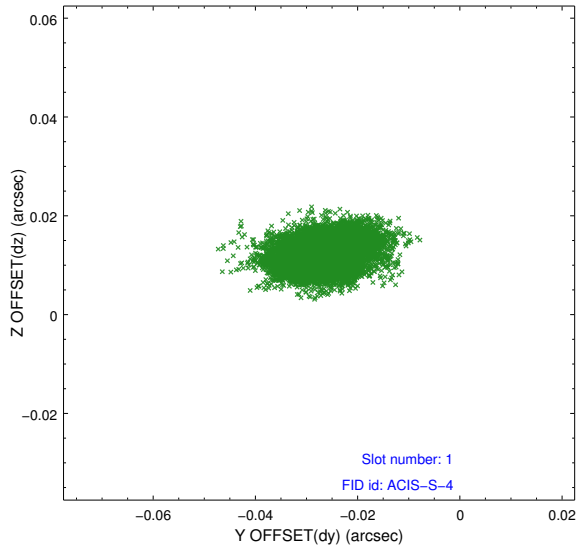


2.5 FID Slots

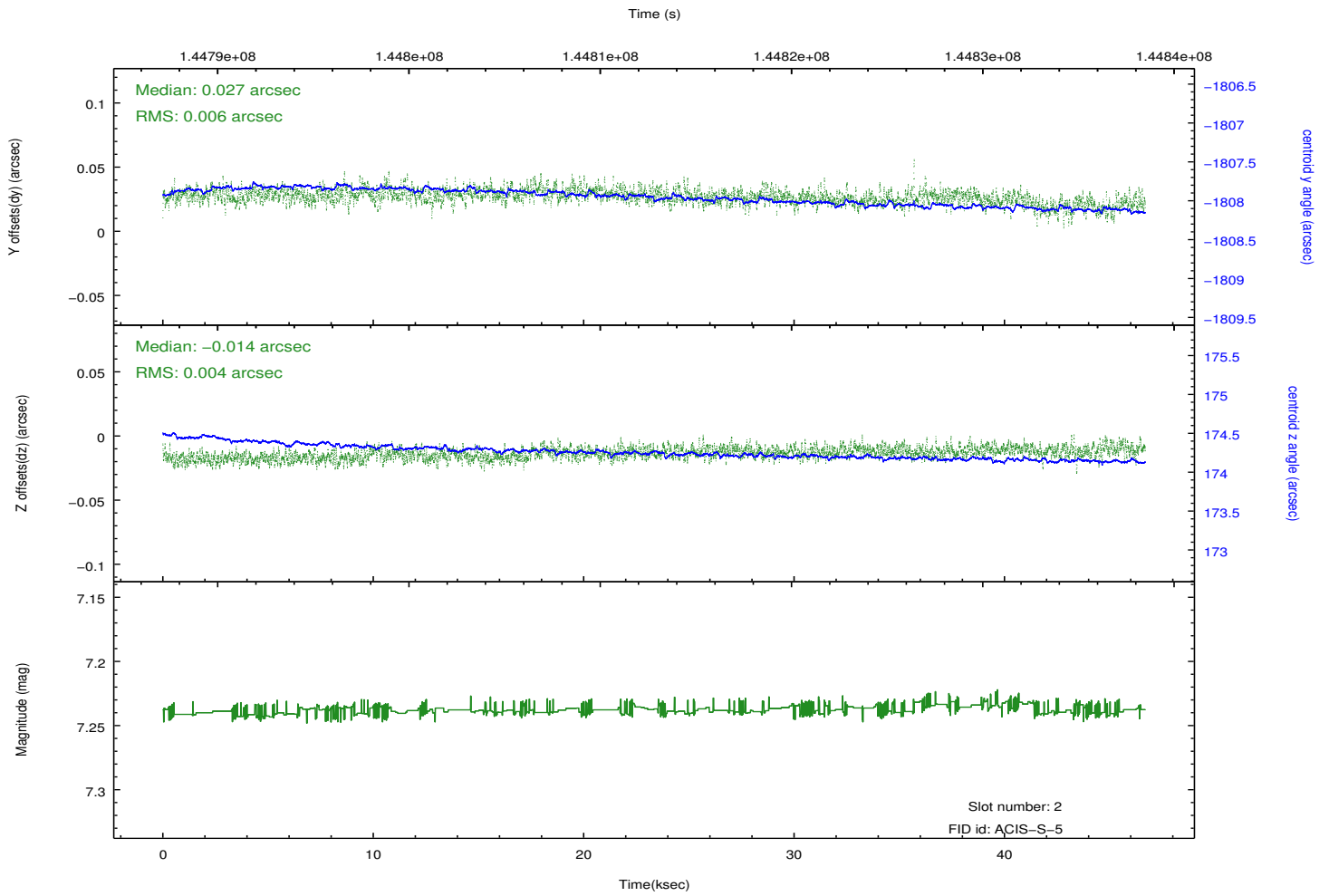
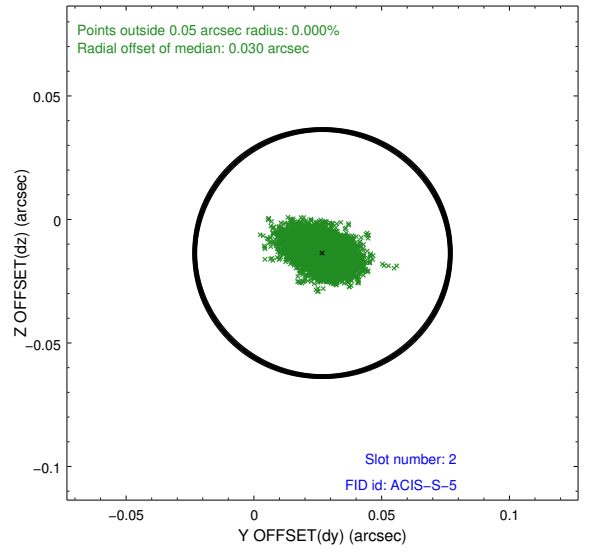
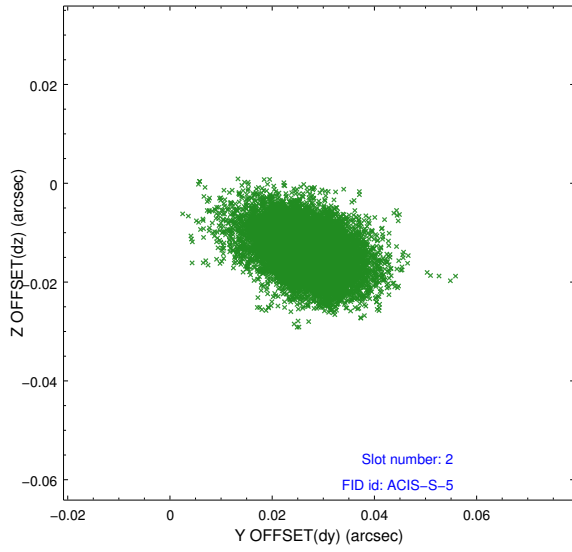
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.12.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	46.691

A.2 Comments