

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2141 - L2 Version 3
Chandra X-Ray Center

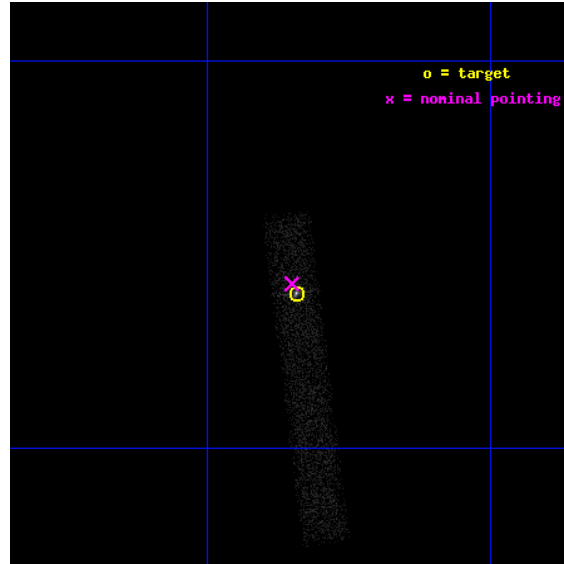
L2 Processing Date : Sep 14 2012

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

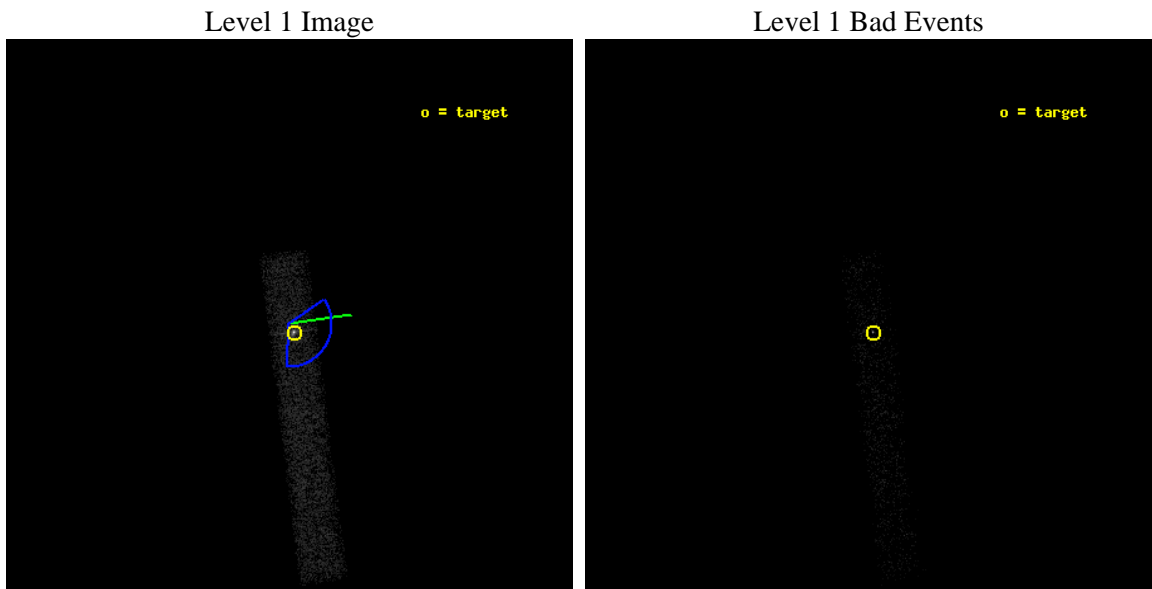
seq_num	700331	Sequence number
obs_id	2141	Observation id
title	AN UNBIASED SURVEY OF X-RAY AND OPTICAL EMISSION FROM EXTENDED RADIO JETS IN AGN	Proposal title
observer	Dr. Rita Sambruna	Principal investigator
object	1510-089	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	228.210417	Observer's specified target RA [deg]
dec_targ	-9.1	Observer's specified target Dec [deg]
ra_nom	228.21263633383	Nominal RA [deg]
dec_nom	-9.0960501076525	Nominal Dec [deg]
roll_nom	82.892277284712	Nominal Roll [deg]
revision	3	Processing version of data
ontime	10189.600151837	Sum of GTIs [s]
livetime	9241.4294865199	Livetime [s]
ontime7	10189.600151837	Sum of GTIs [s]
l2events	11763	Number of level 2 events



2 OBI

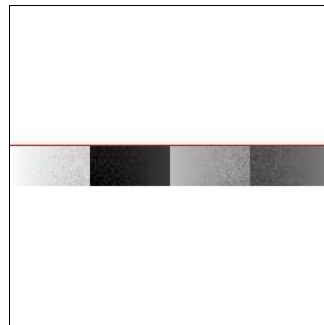
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10189.600151837	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime7	10189.600151837	Sum of GTIs [s]
date	2012-09-14T05:34:06	Date and time of file creation	l1events	20012	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

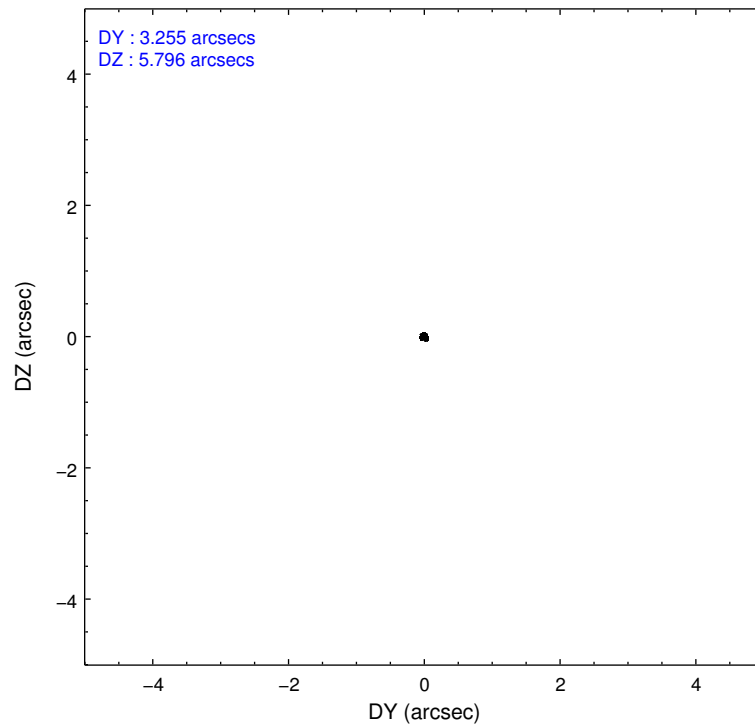
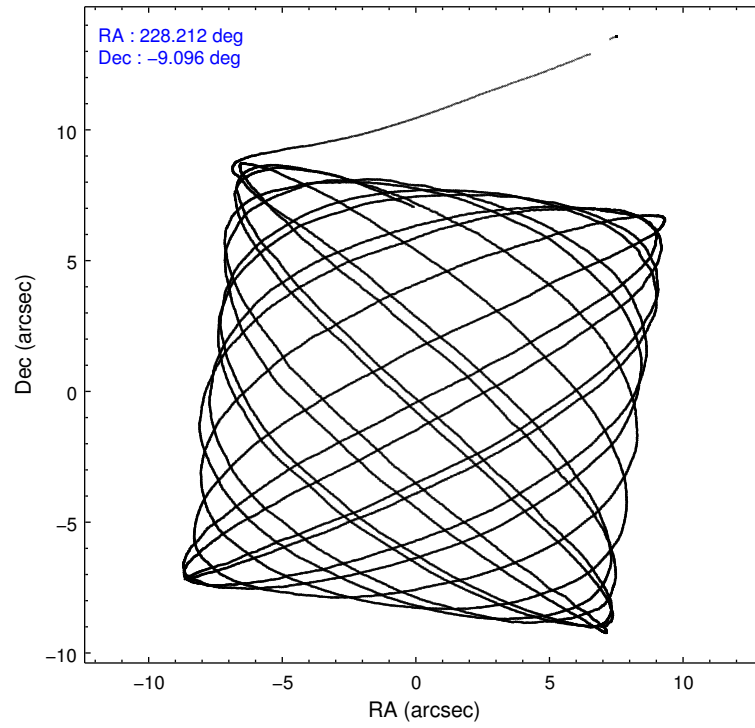
	ccd 7
level 1 events	20012
rejected events	7475
rejected %	37%

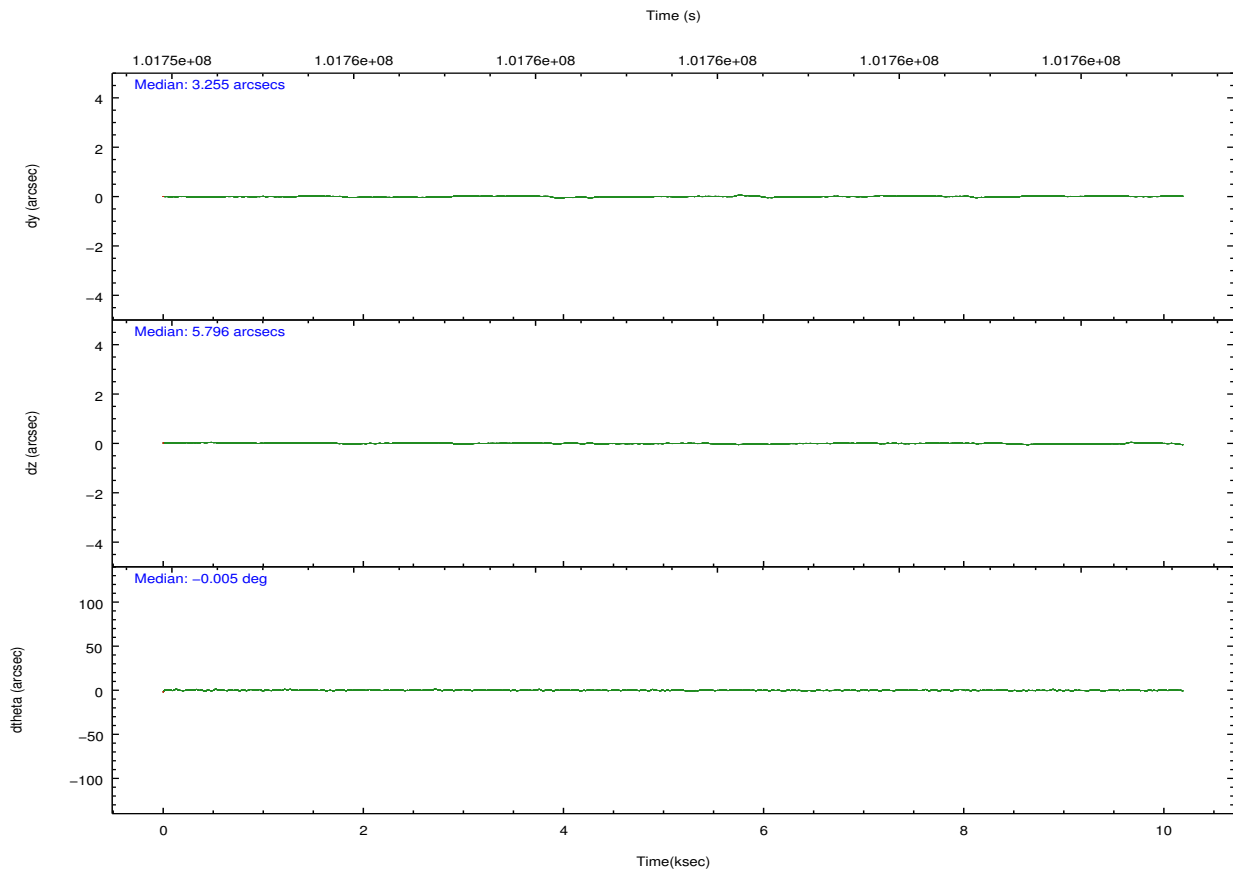
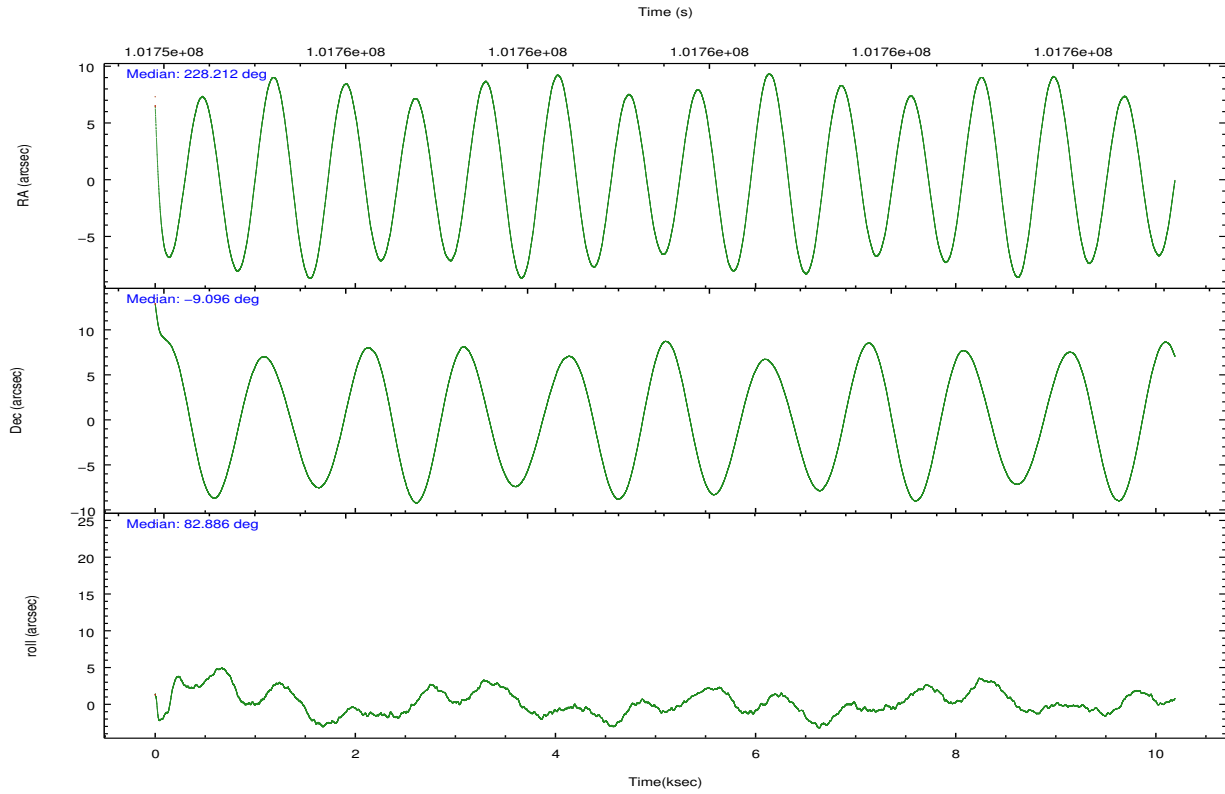
	ccd 7
grade 0 events	2577
	12%
grade 1 events	48
	0%
grade 2 events	2938
	14%
grade 3 events	1561
	7%
grade 4 events	1572
	7%
grade 5 events	1371
	6%
grade 6 events	4381
	21%
grade 7 events	5564
	27%

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	228.223682	228.2126363338295	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-9.121163	-9.096050107652523	Subarray start row	449	449
[deg] Pointing Roll	82.737392	82.89227728471192	Subarray row count	128	128
[deg] Roll angle	120.000000	120.000000	Alternating exposures requested	N	N
[deg] Roll tolerance	64.000000	64.000000	[s] Primary exposure time	0.000000	0.4
Roll constraint allows 180D rotation	N	N			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	101754606.184000	101753502.71074			
Observation start date	2001-03-23T17:09:02	2001-03-23T16:51:42			
[s] Observation end time (MET)	101764606.184000	101765351.7112			
Observation end date	2001-03-23T19:55:42	2001-03-23T20:09:11			
Read mode	TIMED	TIMED			

2.3 Aspect



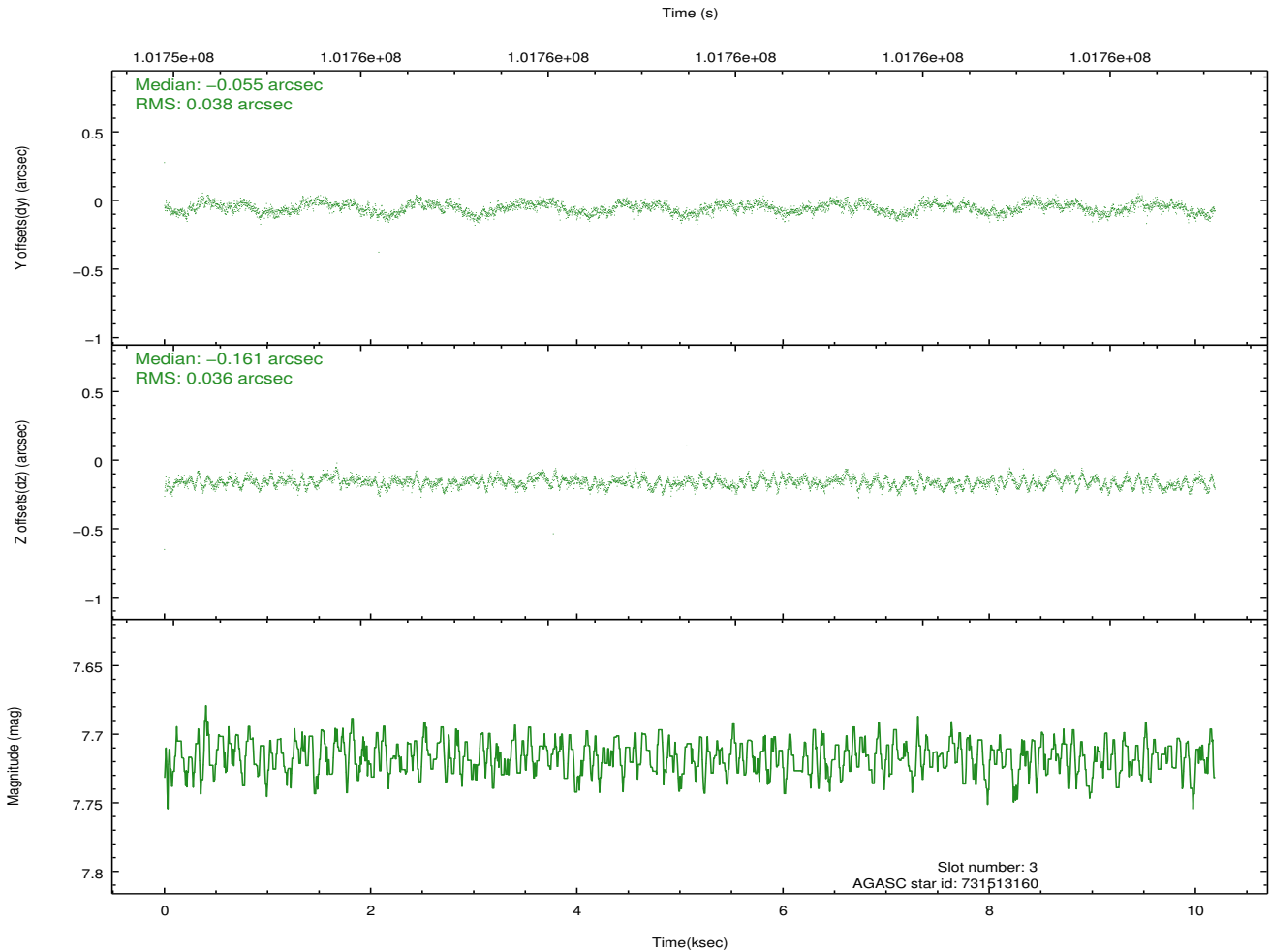
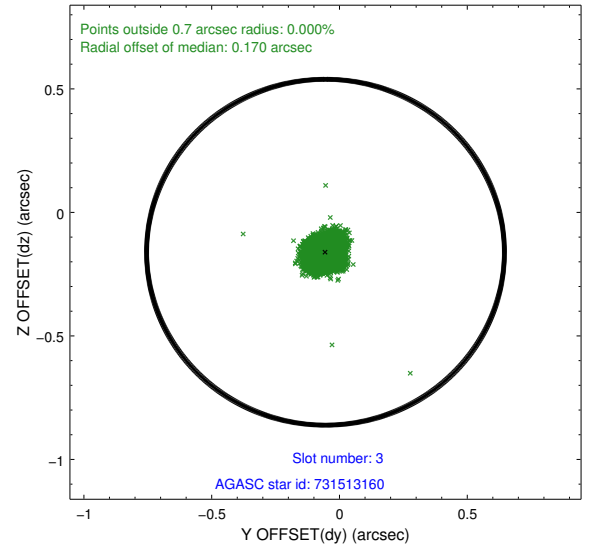
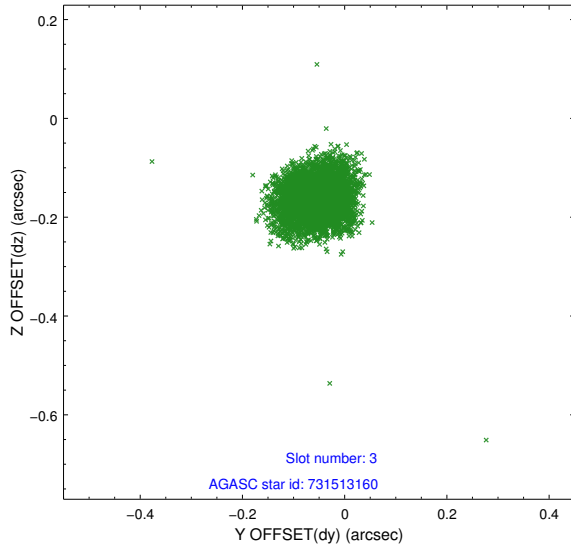


Slot Statistics

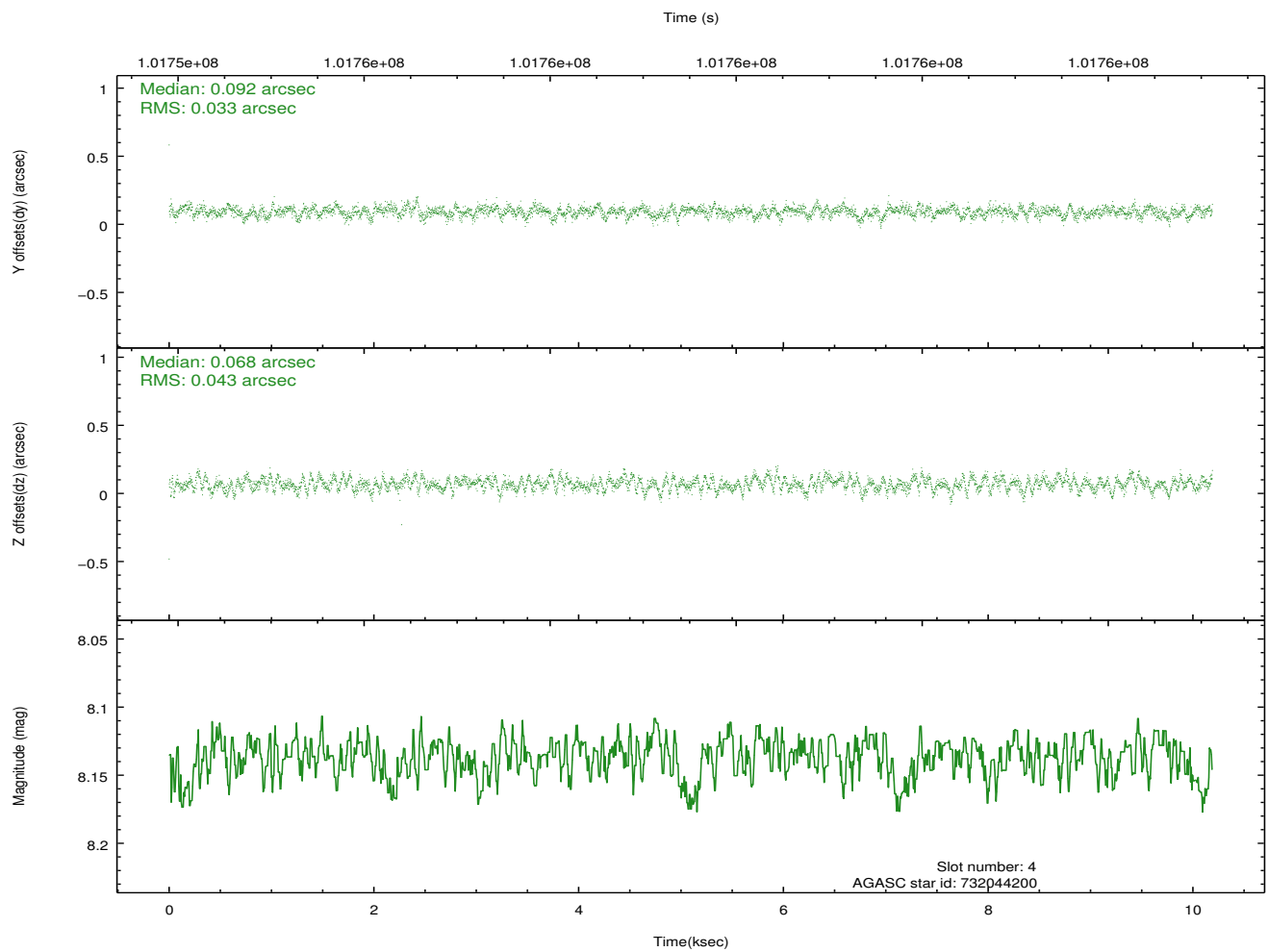
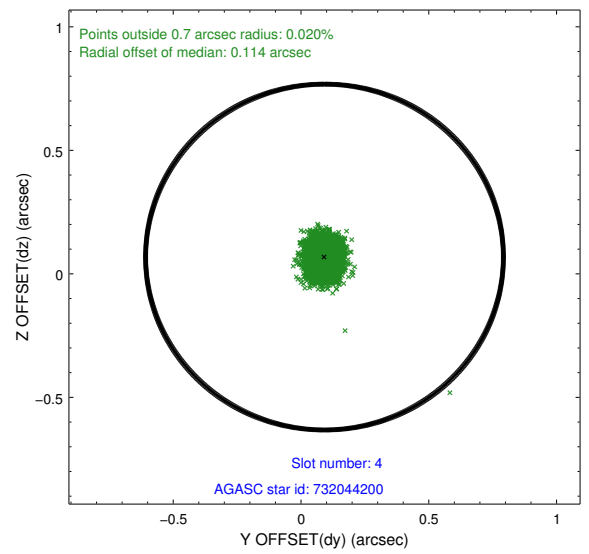
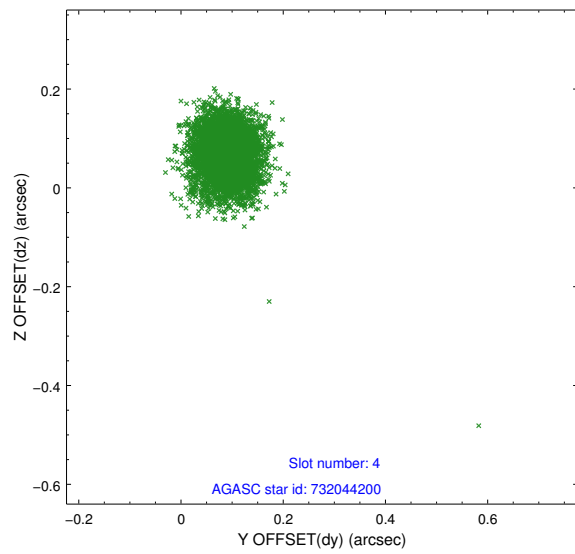
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	2486	-0.022	0.009	0.007	0.011	0.000000	0.000000	-755.88	-1726.94
1	FID	ACIS-S-4	7.20	2486	-0.026	0.008	0.005	0.010	0.000000	0.000000	2157.11	181.08
2	FID	ACIS-S-5	7.23	2486	0.018	-0.009	0.007	0.011	0.000000	0.000000	-1808.06	175.23
3	GUIDE	731513160	7.72	4972	-0.055	-0.161	0.055	0.087	227.964985	-8.839913	887.95	1039.82
4	GUIDE	732044200	8.14	4972	0.092	0.068	0.057	0.094	228.488992	-9.493638	-1210.69	-1104.98
5	GUIDE	731513064	9.08	4969	-0.098	0.053	0.069	0.112	228.589342	-8.844201	1153.05	-1165.35
6	GUIDE	731513864	9.59	4964	0.006	0.018	0.082	0.132	228.436376	-8.619999	1885.72	-523.90
7	GUIDE	731513664	9.60	4963	0.058	0.024	0.089	0.143	228.517809	-8.766784	1398.34	-877.77

2.4 Star Slots

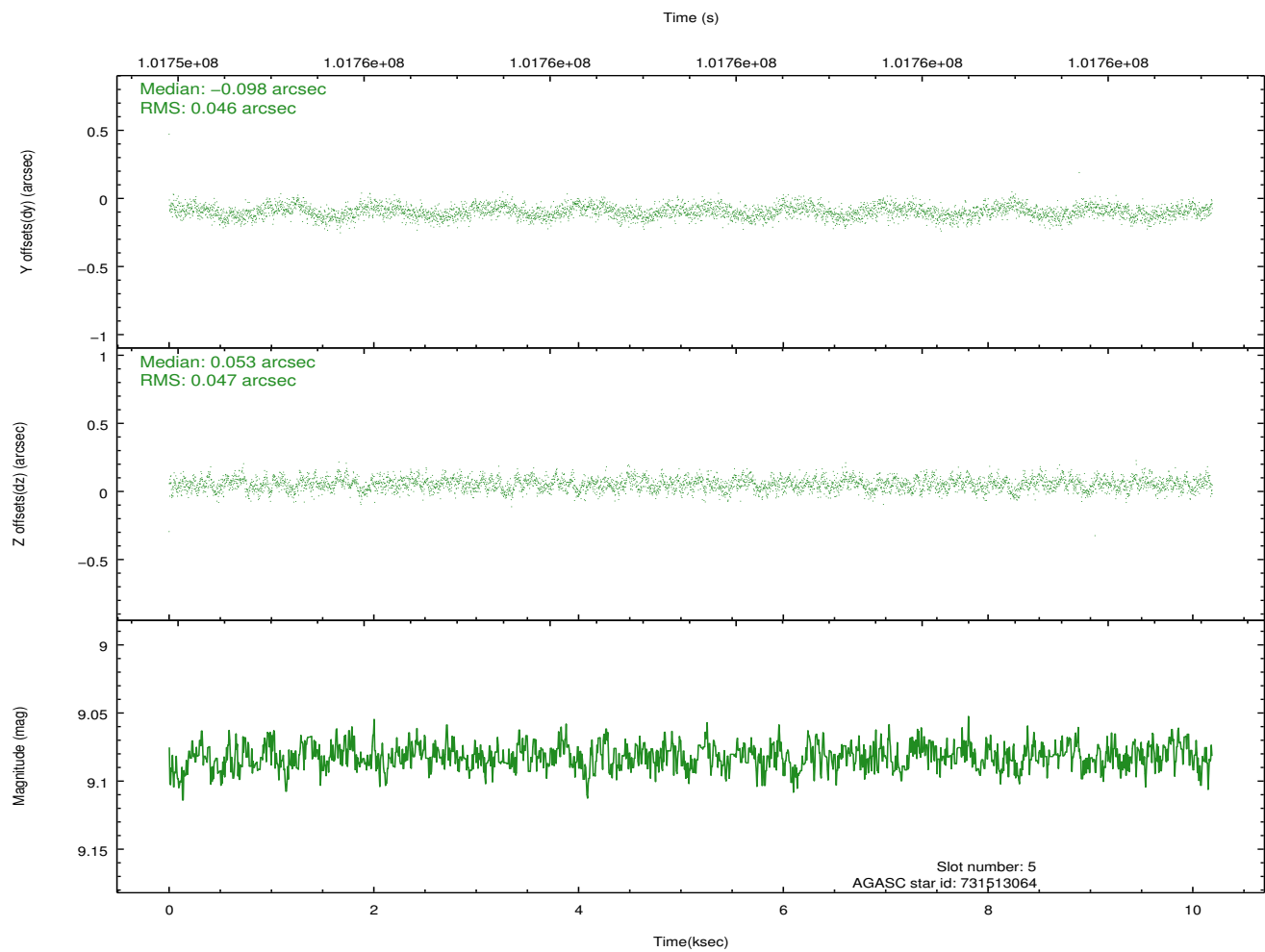
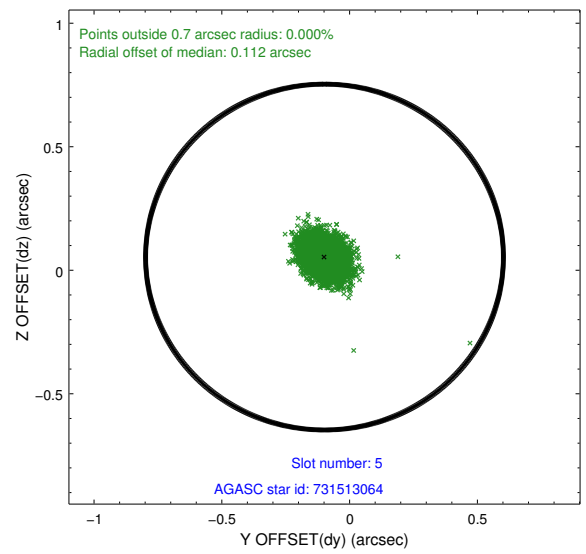
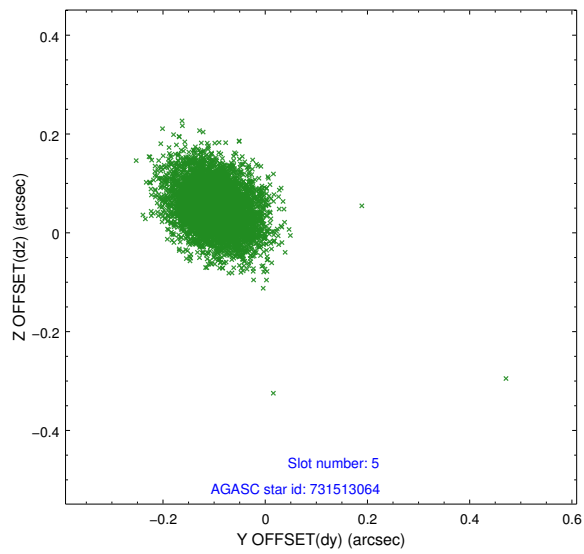
2.4.1 Slot 3



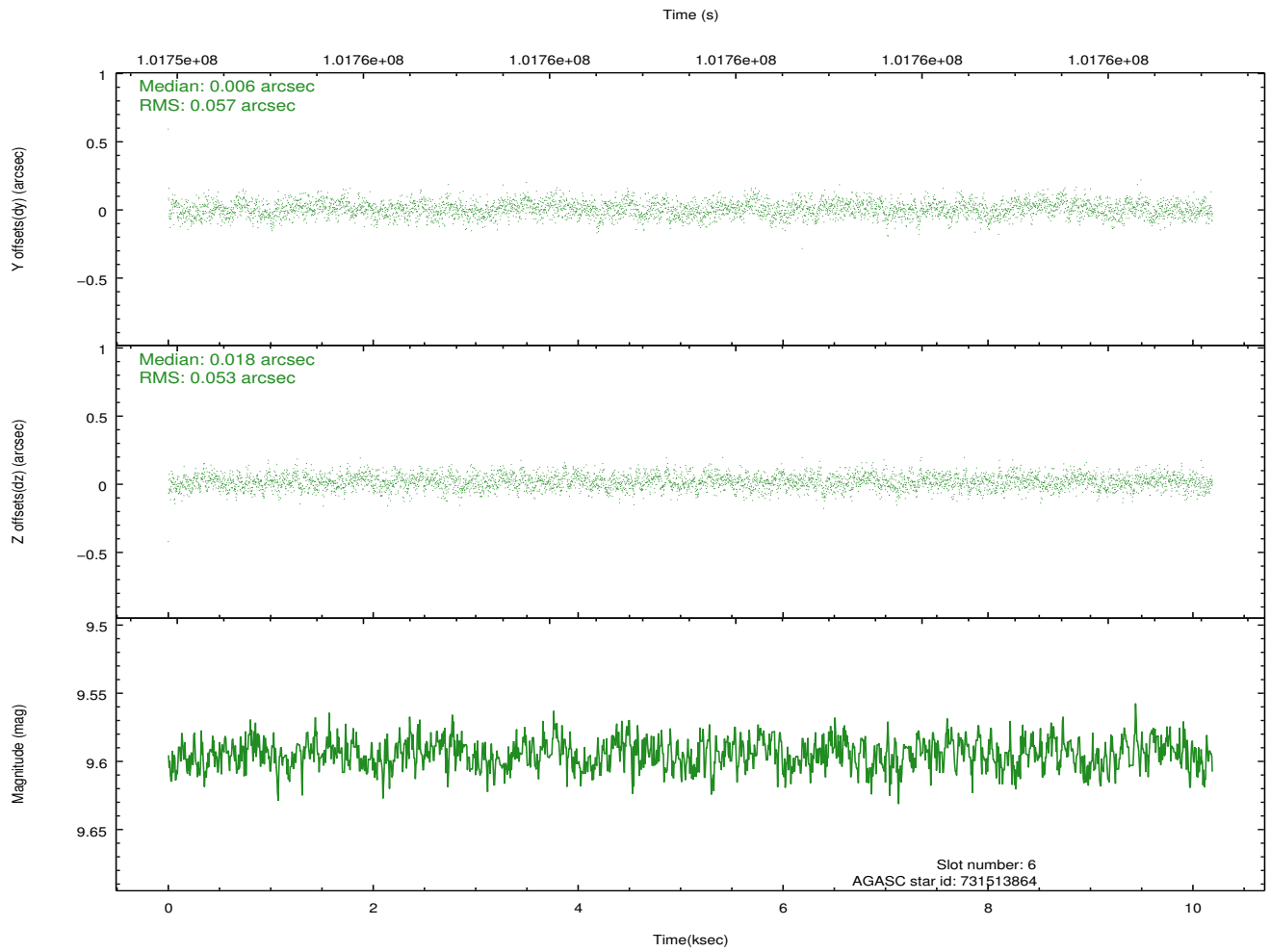
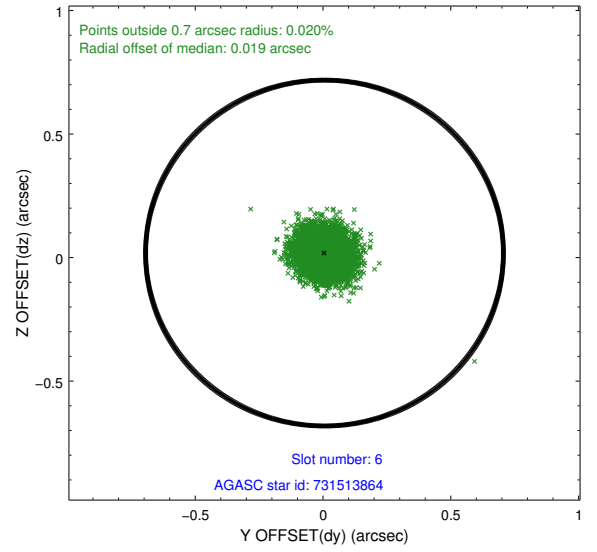
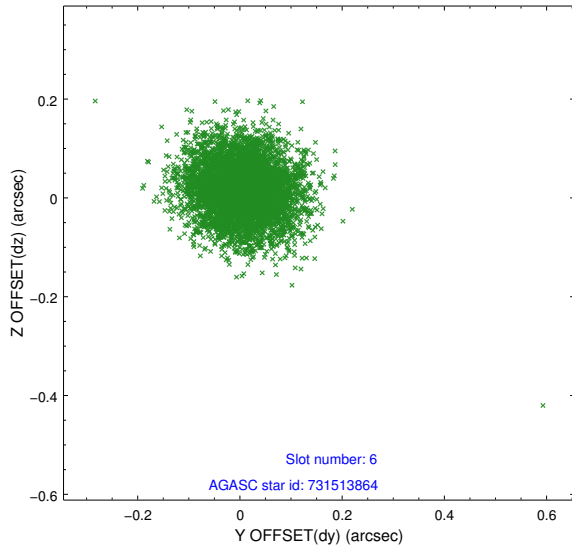
2.4.2 Slot 4



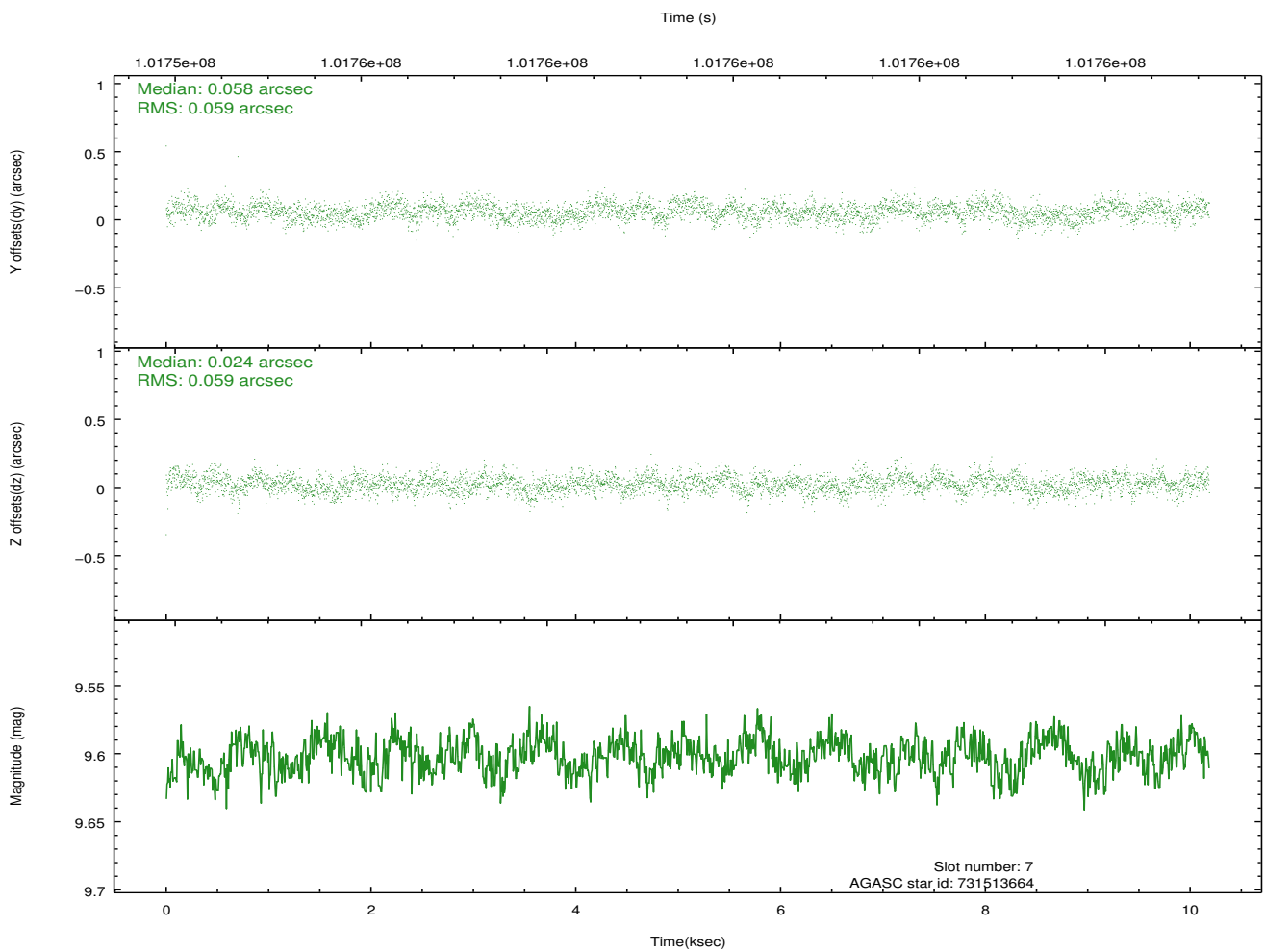
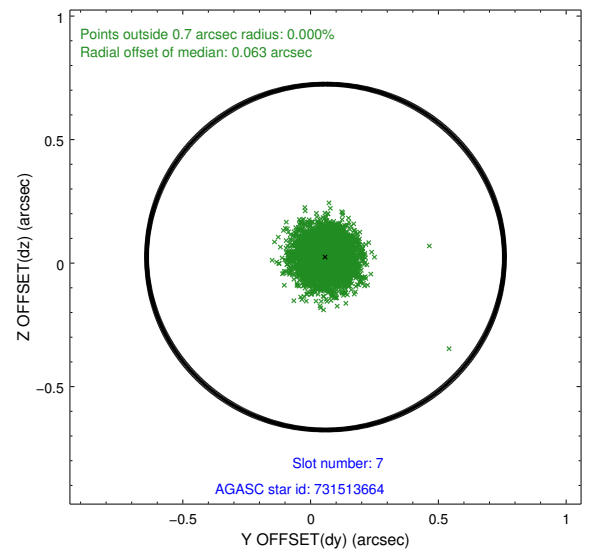
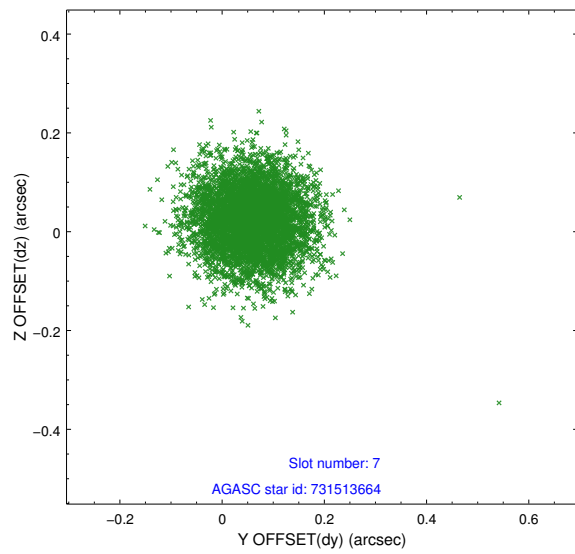
2.4.3 Slot 5



2.4.4 Slot 6

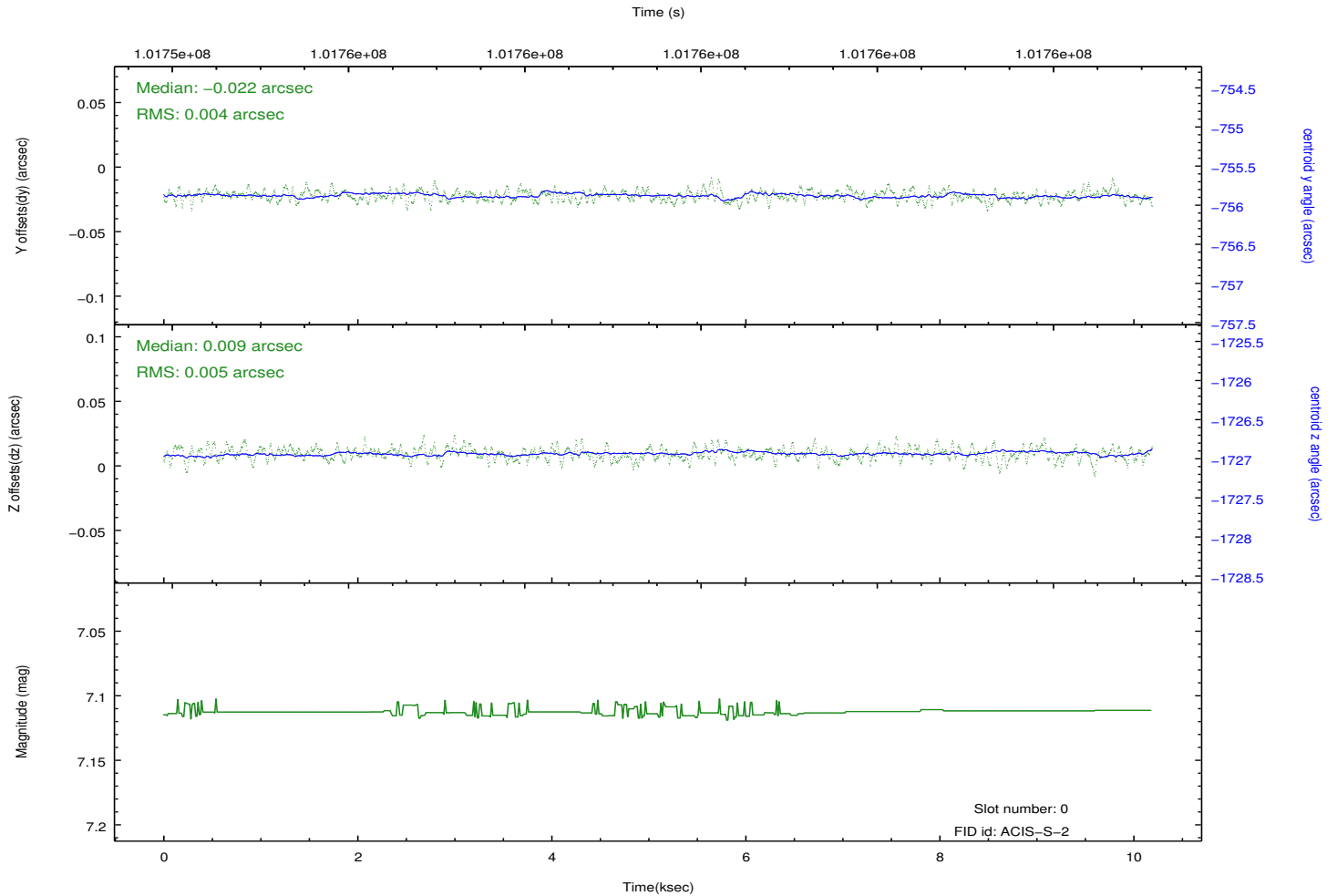
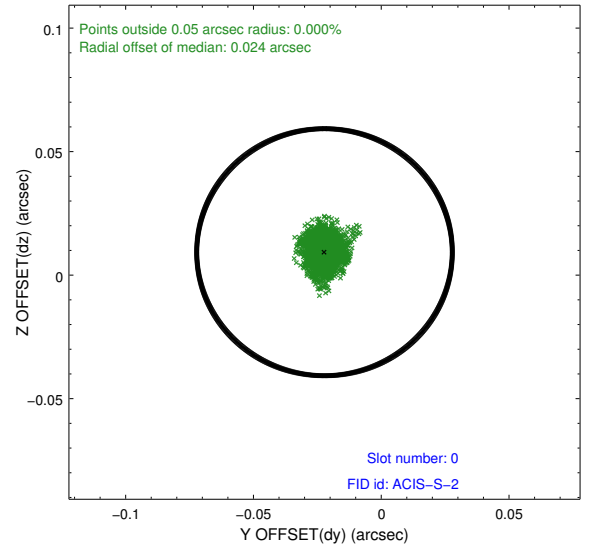
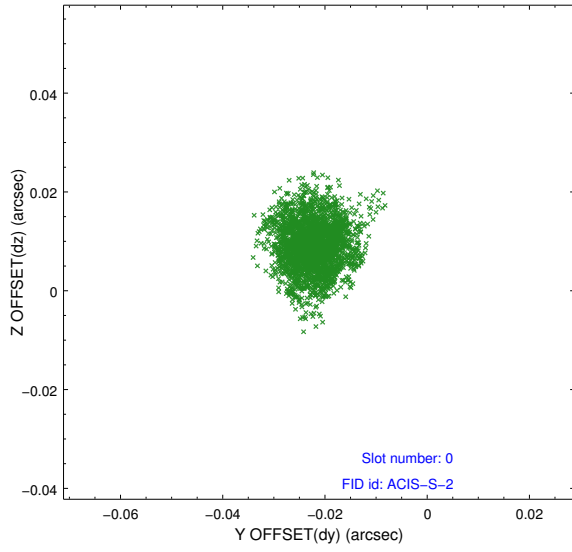


2.4.5 Slot 7

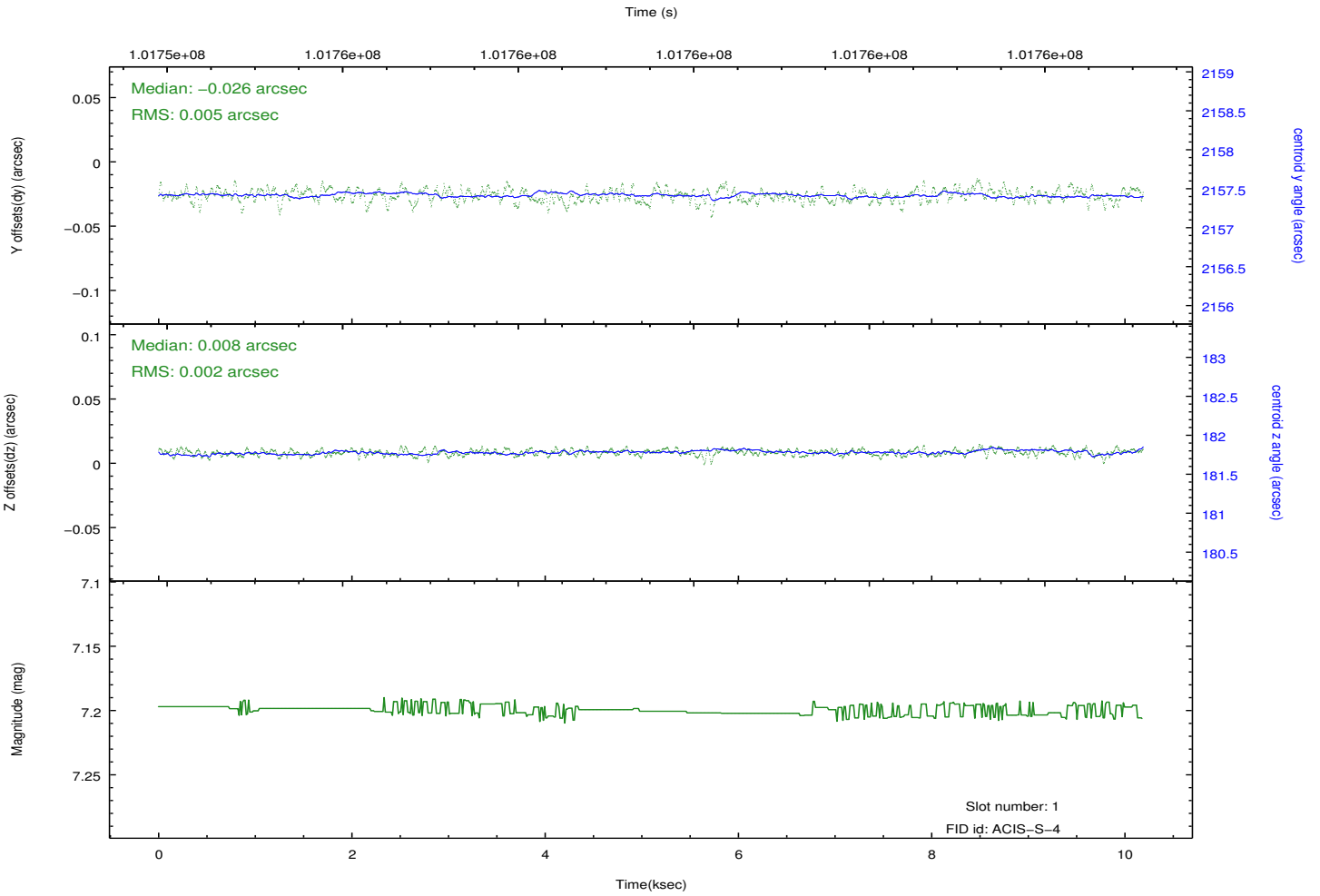
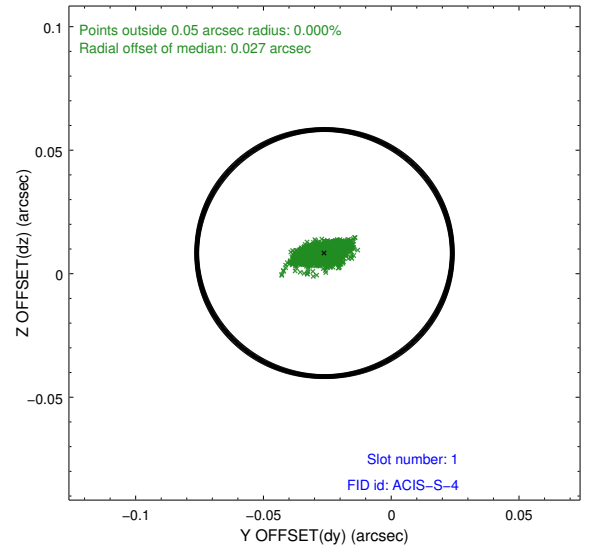
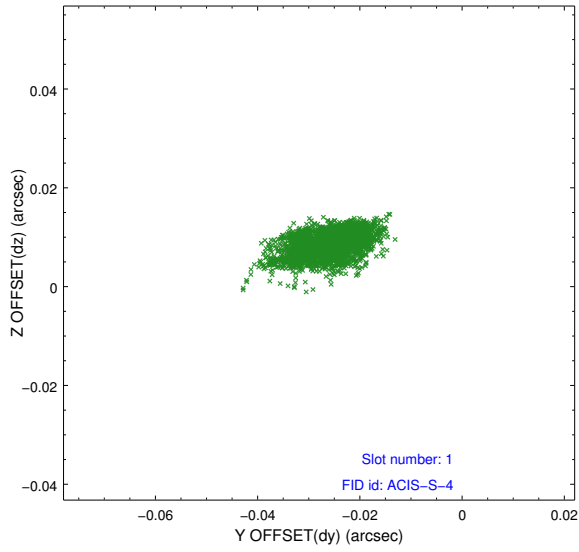


2.5 FID Slots

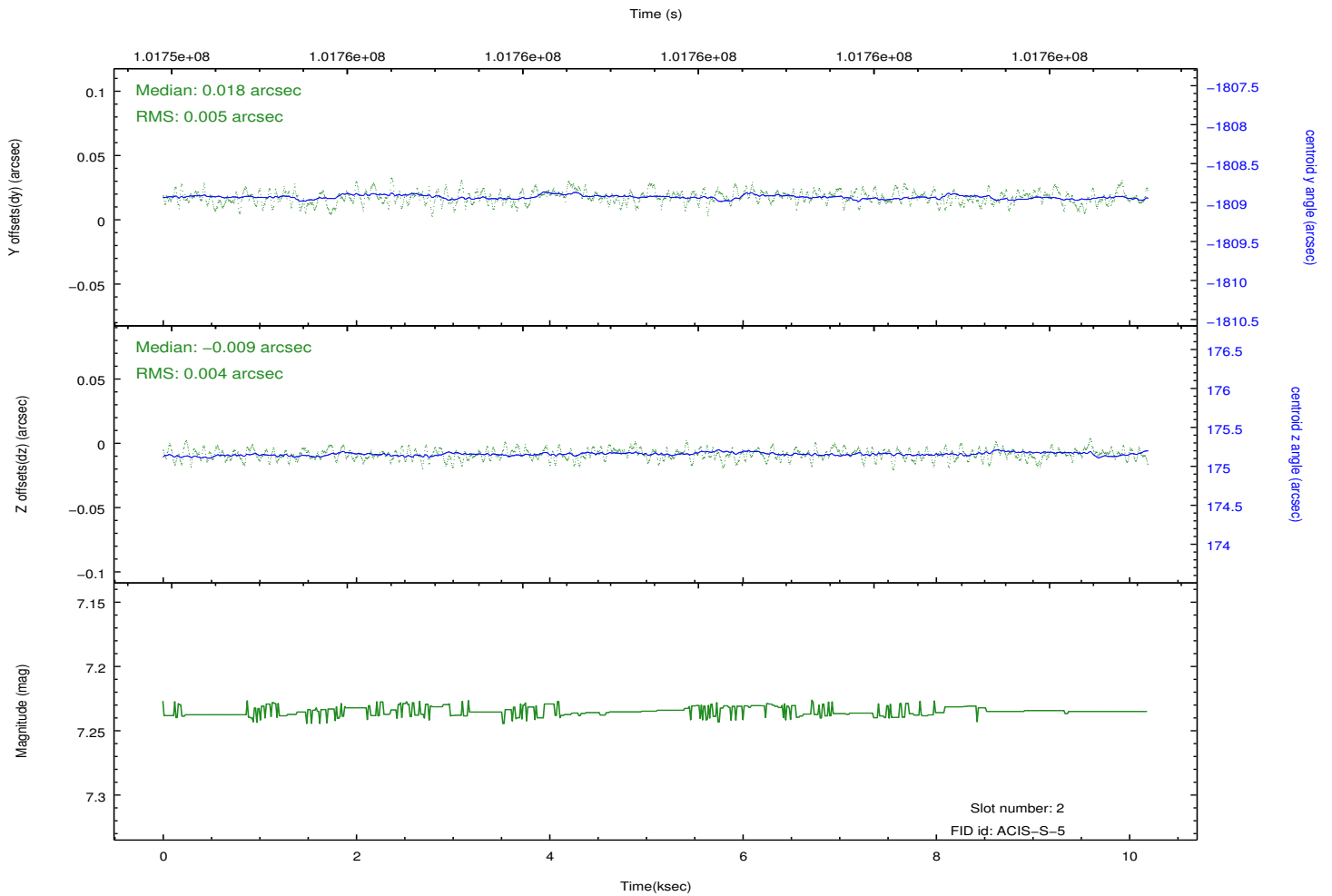
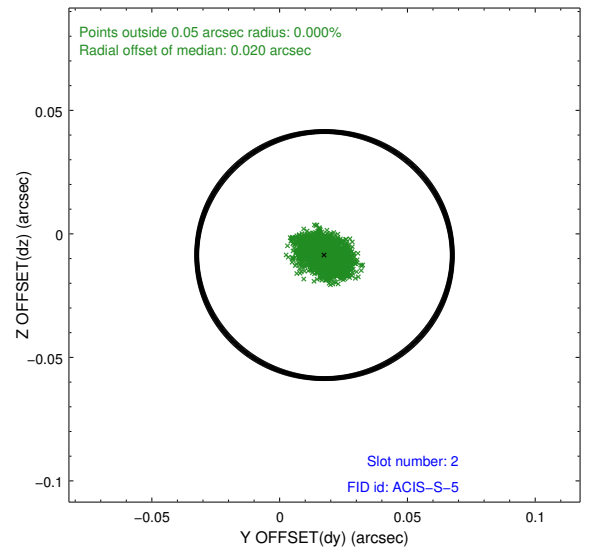
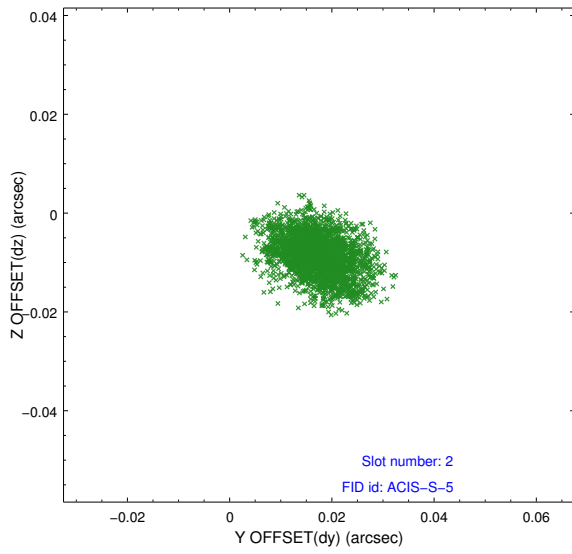
2.5.1 Slot 0



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)	2012.09.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.189

A.2 Comments

Roll constraint met.