

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7223 - L2 Version 2
Chandra X-Ray Center

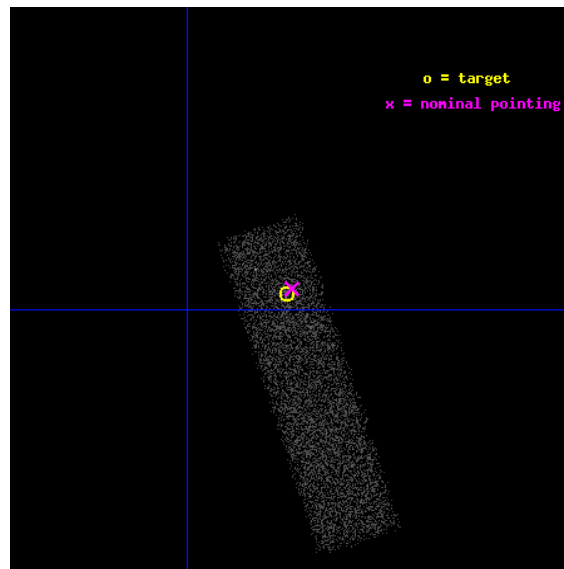
L2 Processing Date : Mar 16 2012

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1 Front

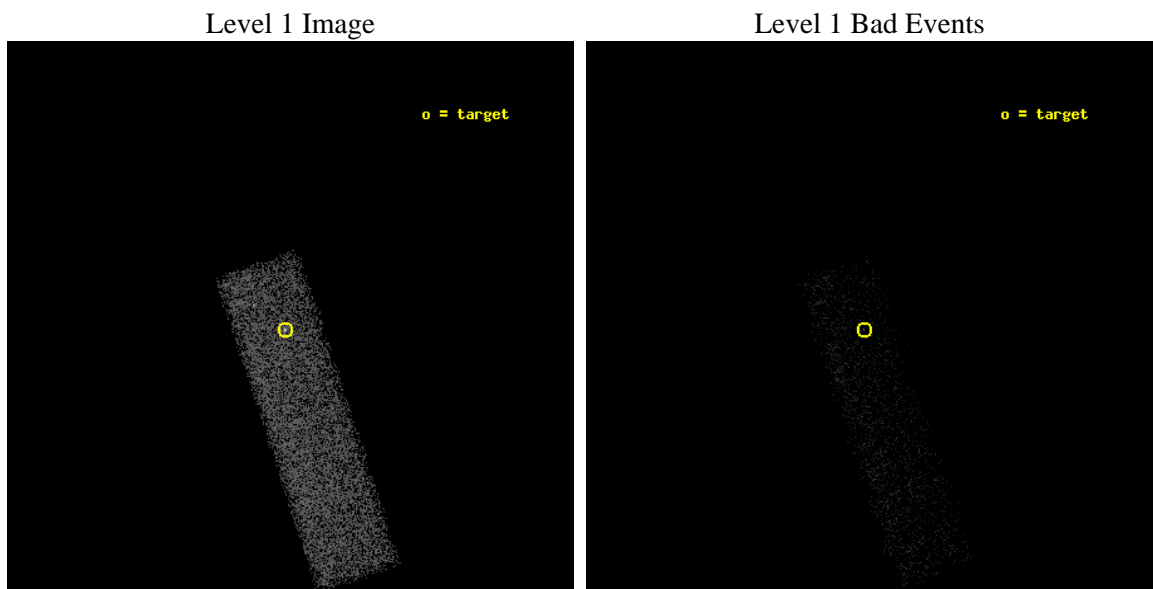
seq_num	701154	Sequence number
obs_id	7223	Observation id
title	A Study of the Physics of Extended Relativistic X-ray Jets, Discovered in our Chandra Survey	Proposal title
observer	Dr. Jonathan Gelbord	Principal investigator
object	PKS 0920-397	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	140.693333	Observer's specified target RA [deg]
dec_targ	-39.993083	Observer's specified target Dec [deg]
ra_nom	140.69045140696	Nominal RA [deg]
dec_nom	-39.991042836777	Nominal Dec [deg]
roll_nom	71.654769758771	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7654.4001140594	Sum of GTIs [s]
livetime	7280.8904347565	Livetime [s]
ontime7	7654.4001140594	Sum of GTIs [s]
l2events	10120	Number of level 2 events



2 OBI

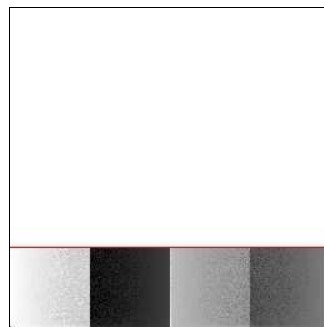
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	7654.4001140594	Sum of GTIs [s]
caldsver	4.4.8	 	ontime7	7654.4001140594	Sum of GTIs [s]
date	2012-03-17T01:09:05	Date and time of file creation	l1events	24504	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

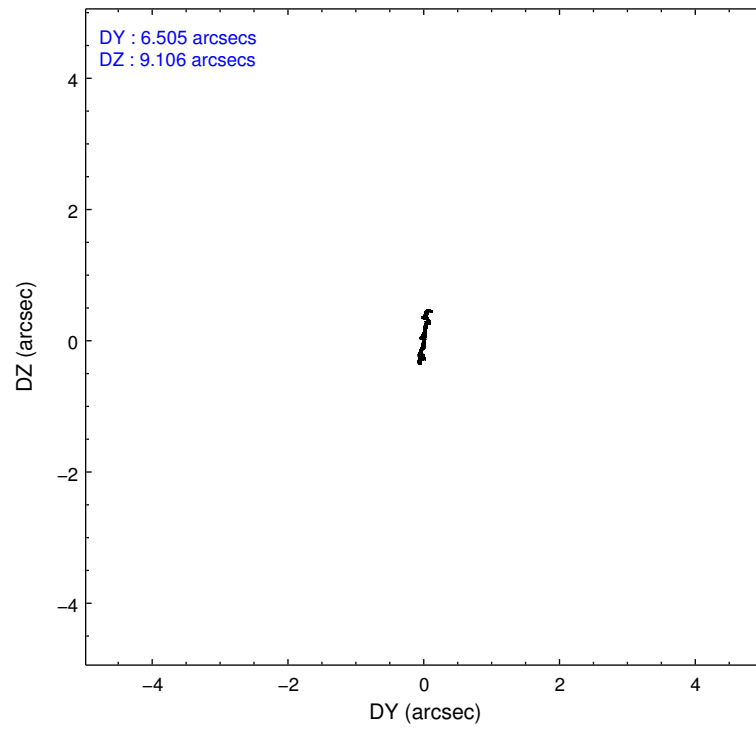
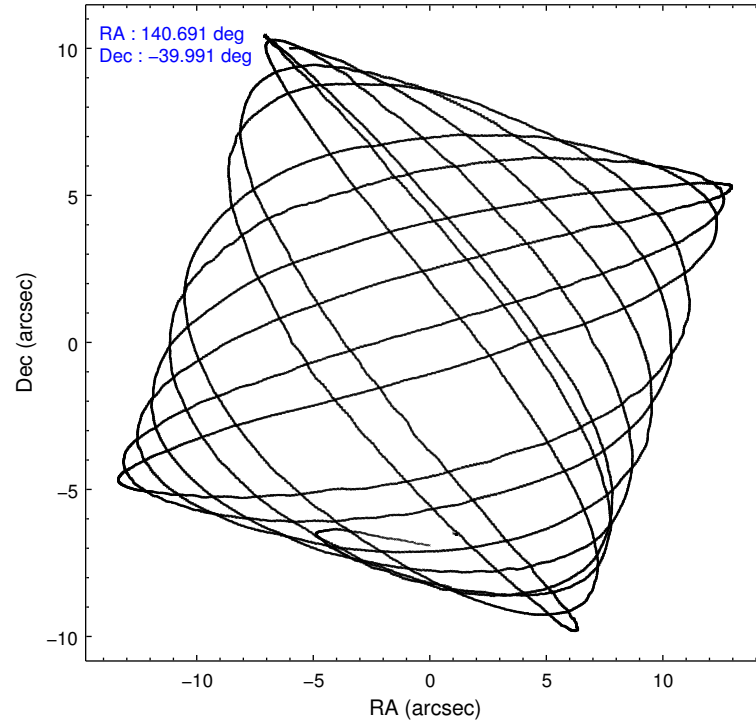
	ccd 7
level 1 events	24504
rejected events	14138
rejected %	57%

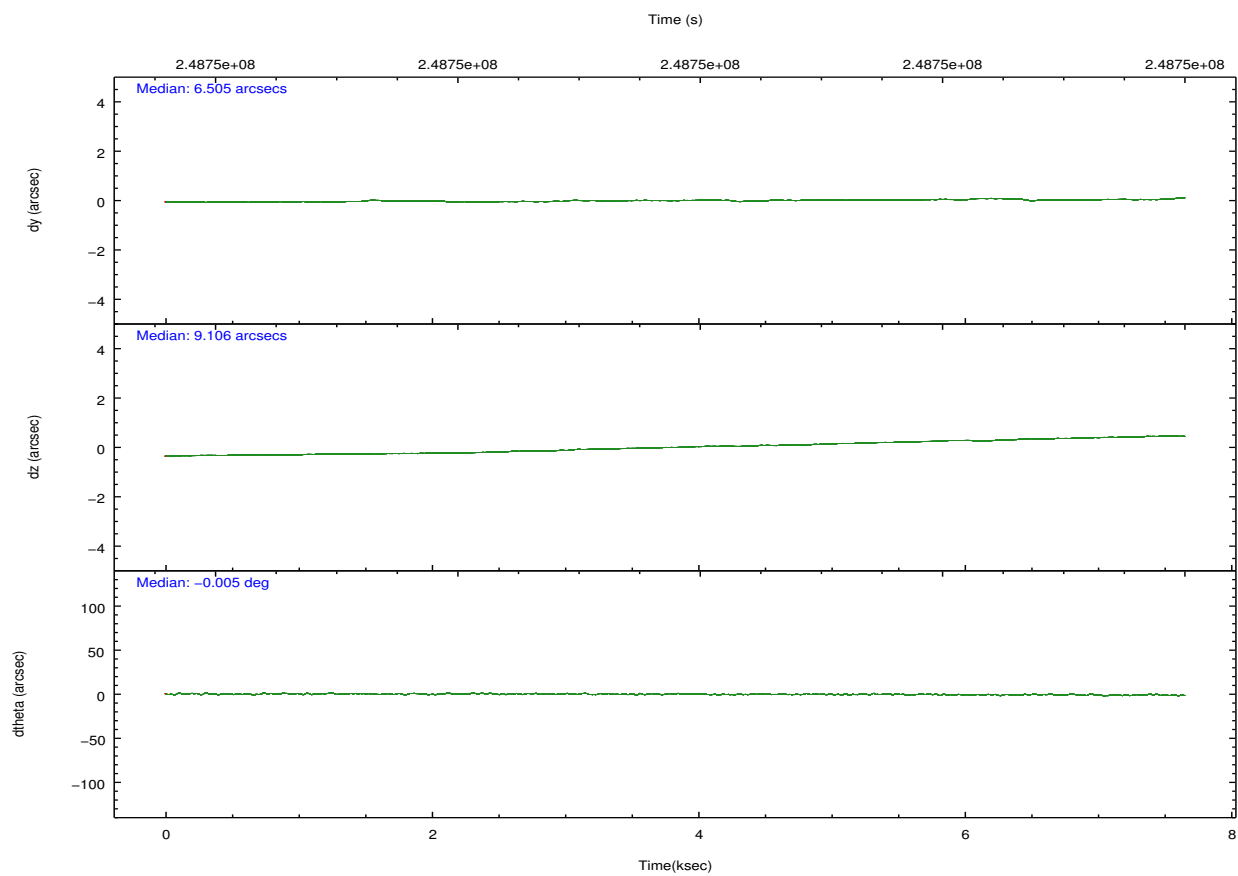
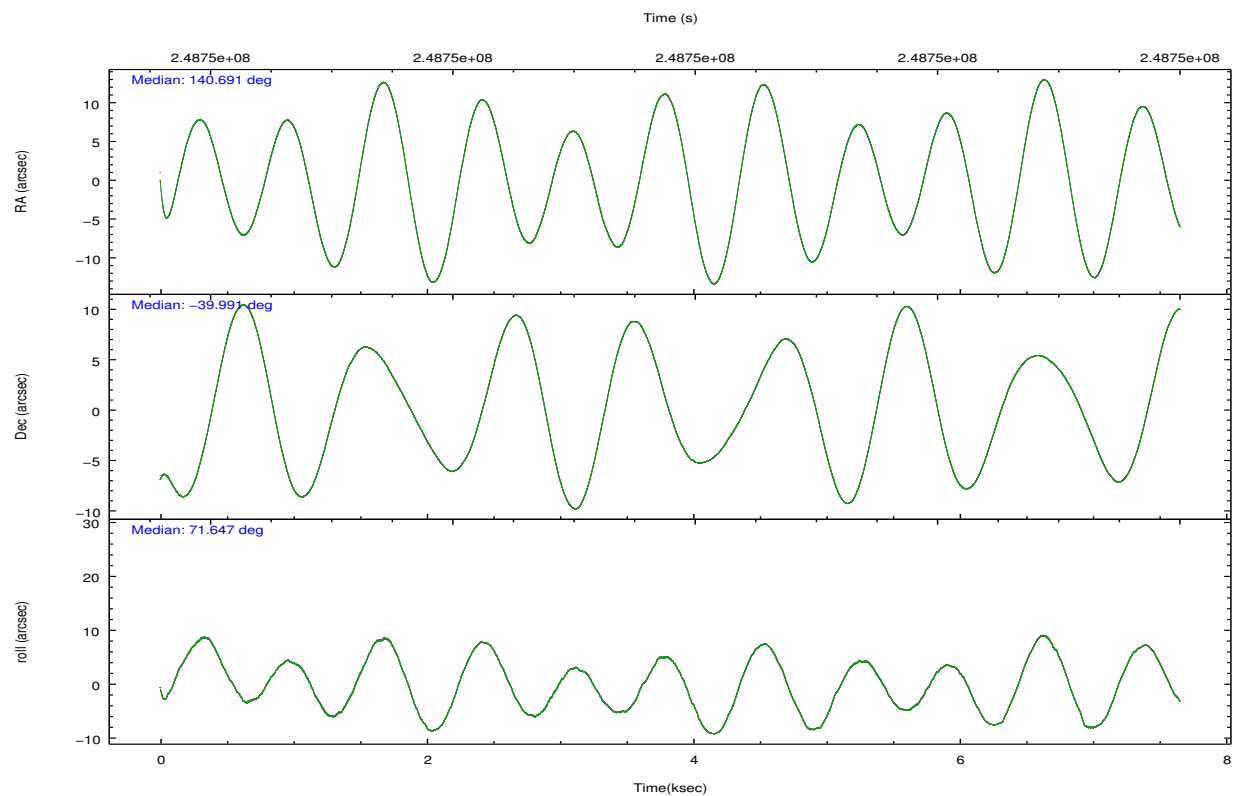
	ccd 7
grade 0 events	1208
	4%
grade 1 events	26
	0%
grade 2 events	2352
	9%
grade 3 events	1215
	4%
grade 4 events	1232
	5%
grade 5 events	2111
	8%
grade 6 events	5472
	22%
grade 7 events	10888
	44%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	140.698069	140.690451406963	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-40.017623	-39.9910428367773	Subarray start row	1	1
[deg] Pointing Roll	71.503051	71.65476975877094	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	-179.932523	-179.9244029796336			
[mm] SIM translation stage offset	-10.2	-10.2081196033742			
[s] Observation start time (MET)	248746117.184000	248745041.30661			
Observation start date	2005-11-19T00:07:33	2005-11-18T23:50:41			
[s] Observation end time (MET)	248753617.184000	248754159.70703			
Observation end date	2005-11-19T02:12:33	2005-11-19T02:22:39			
Read mode	TIMED	TIMED			

2.3 Aspect



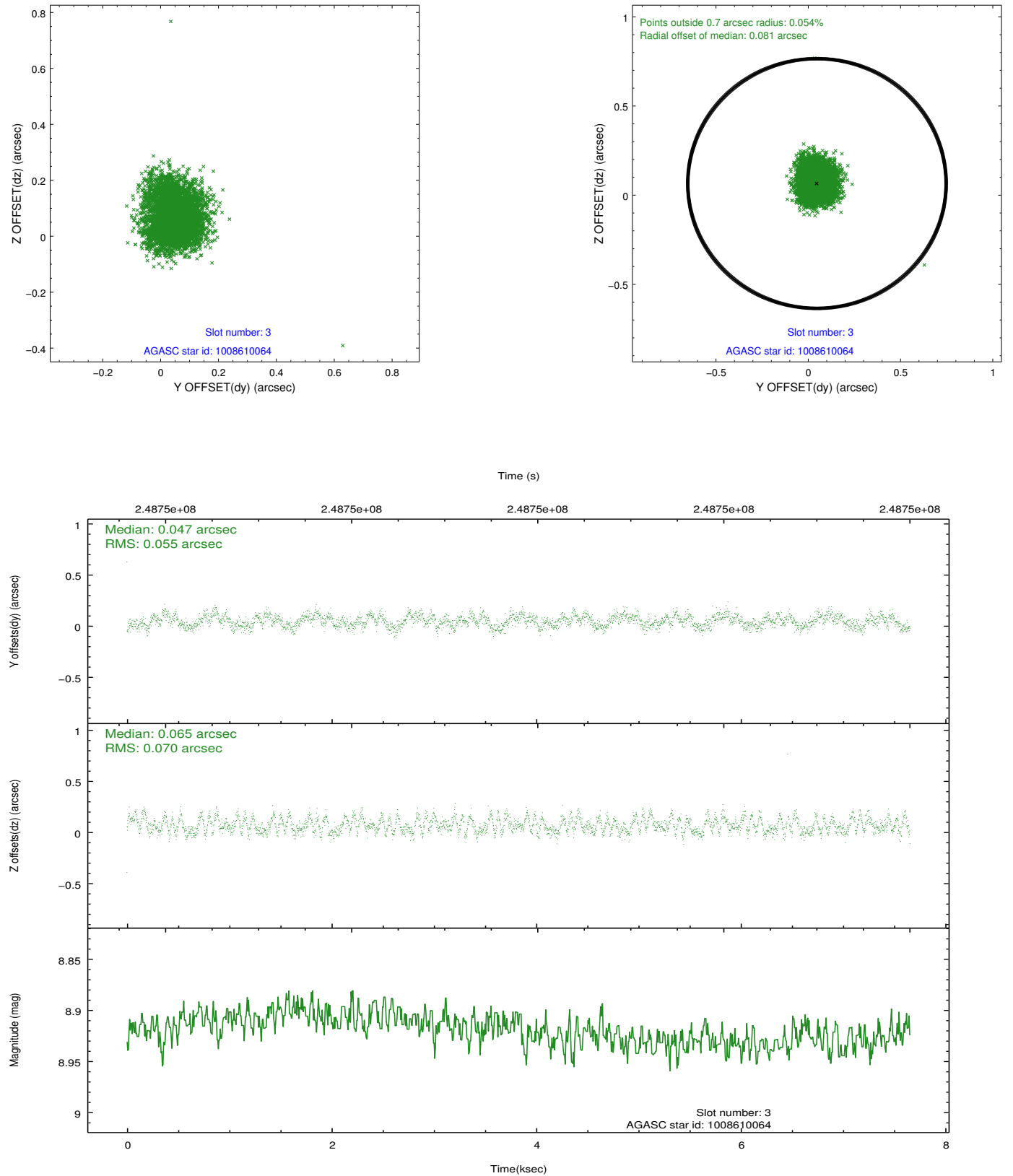


Slot Statistics

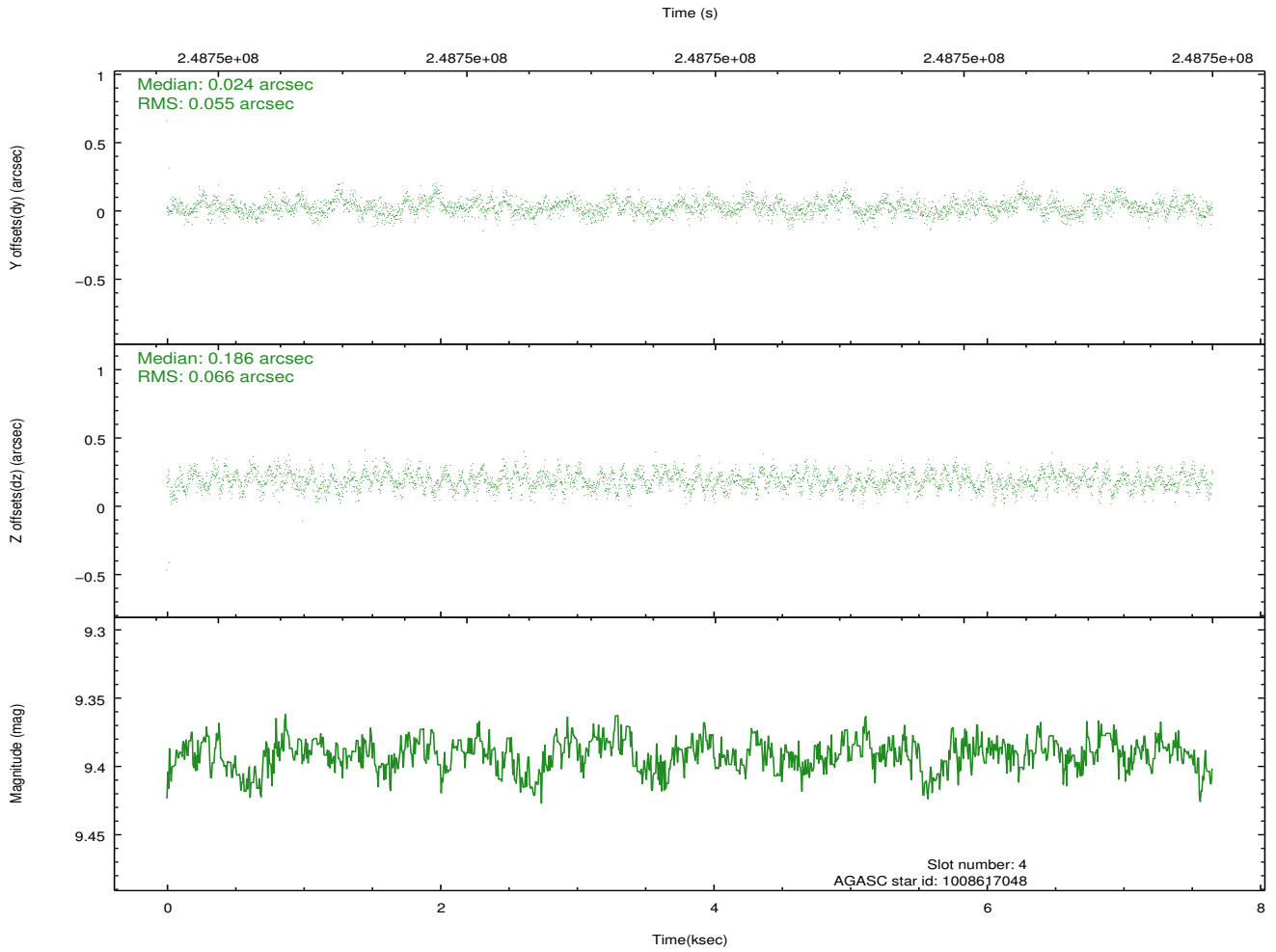
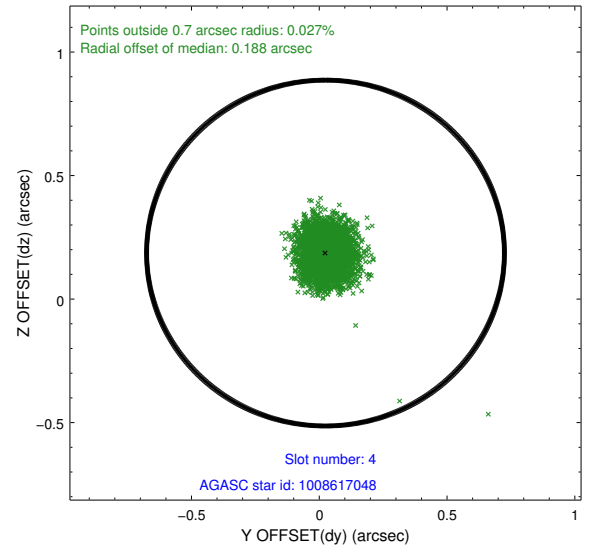
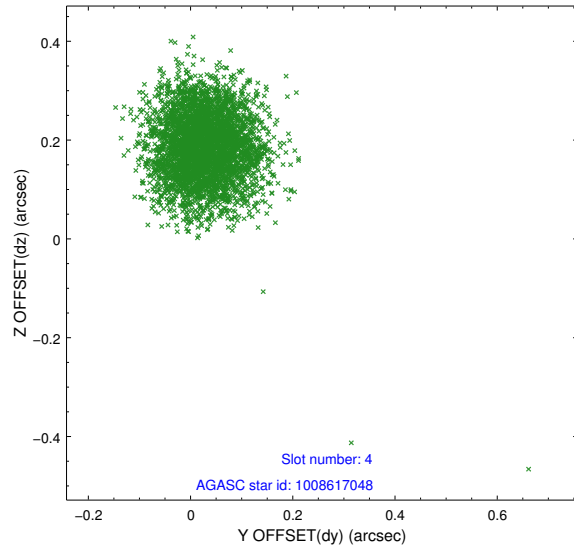
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.20	1868	0.060	0.187	0.008	0.013	0.000000	0.000000	937.59	-1935.98
1	FID	ACIS-S-2	7.09	1868	-0.183	-0.156	0.008	0.014	0.000000	0.000000	-758.14	-1941.74
2	FID	ACIS-S-6	7.43	1868	0.102	-0.027	0.011	0.018	0.000000	0.000000	402.98	604.25
3	GUIDE	1008610064	8.92	3726	0.047	0.065	0.095	0.145	141.362695	-40.226184	-138.37	-1972.11
4	GUIDE	1008617048	9.39	3733	0.024	0.186	0.090	0.145	141.260770	-40.731902	-1955.73	-2273.36
5	GUIDE	1008631096	7.54	3735	-0.170	-0.228	0.054	0.088	140.384695	-39.696088	820.31	1189.78
6	GUIDE	1006915600	8.62	3733	0.060	-0.269	0.077	0.123	139.877240	-40.473529	-2279.16	1608.02
7	GUIDE	1008625256	9.62	3728	0.035	0.245	0.129	0.207	141.344731	-40.676760	-1696.37	-2428.41

2.4 Star Slots

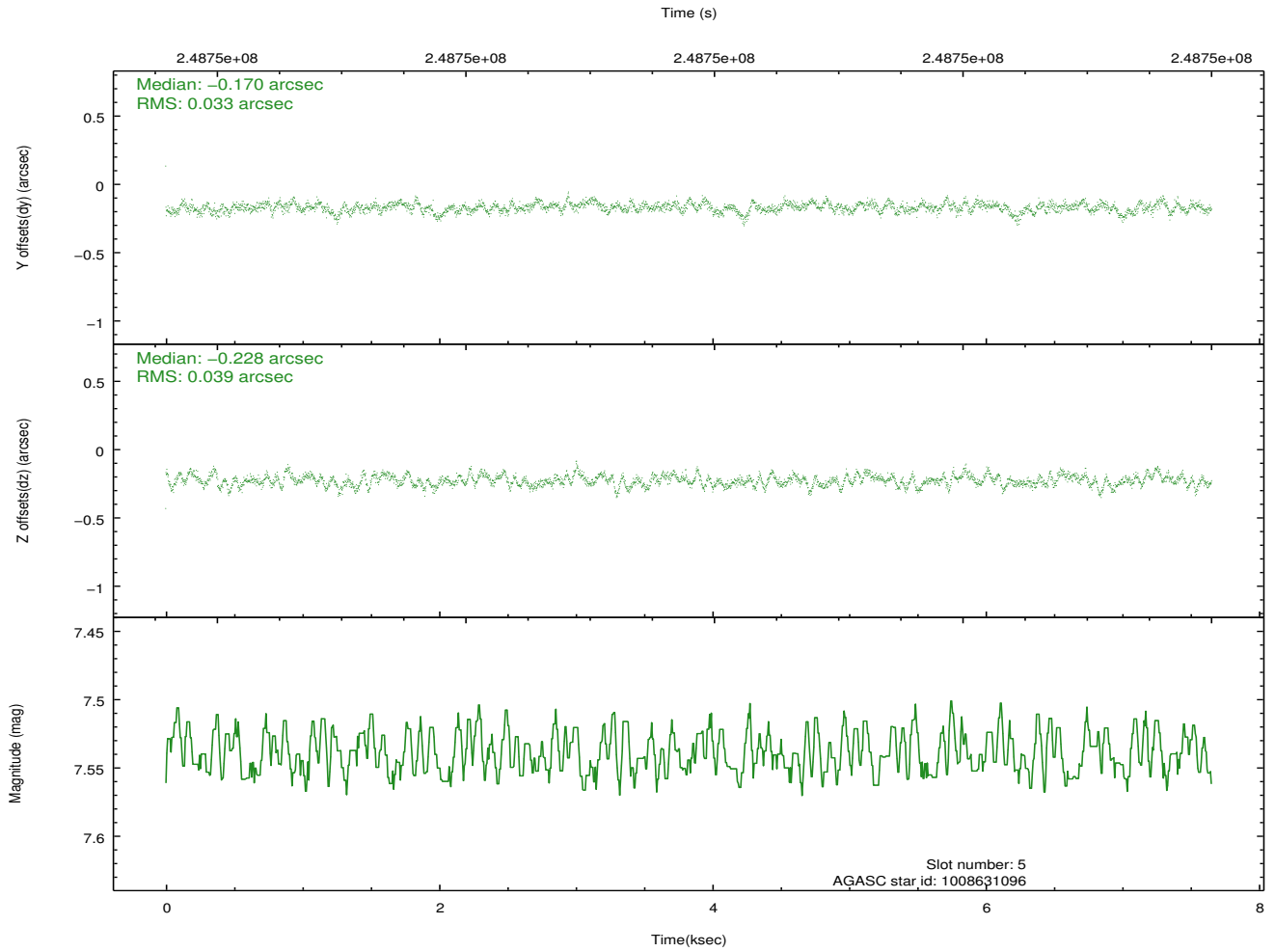
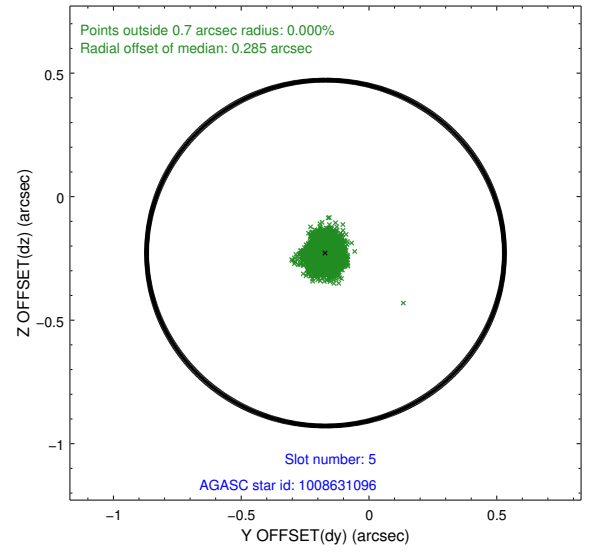
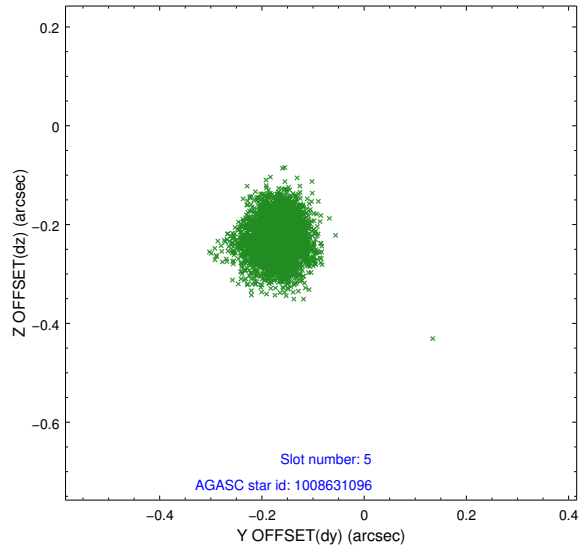
2.4.1 Slot 3



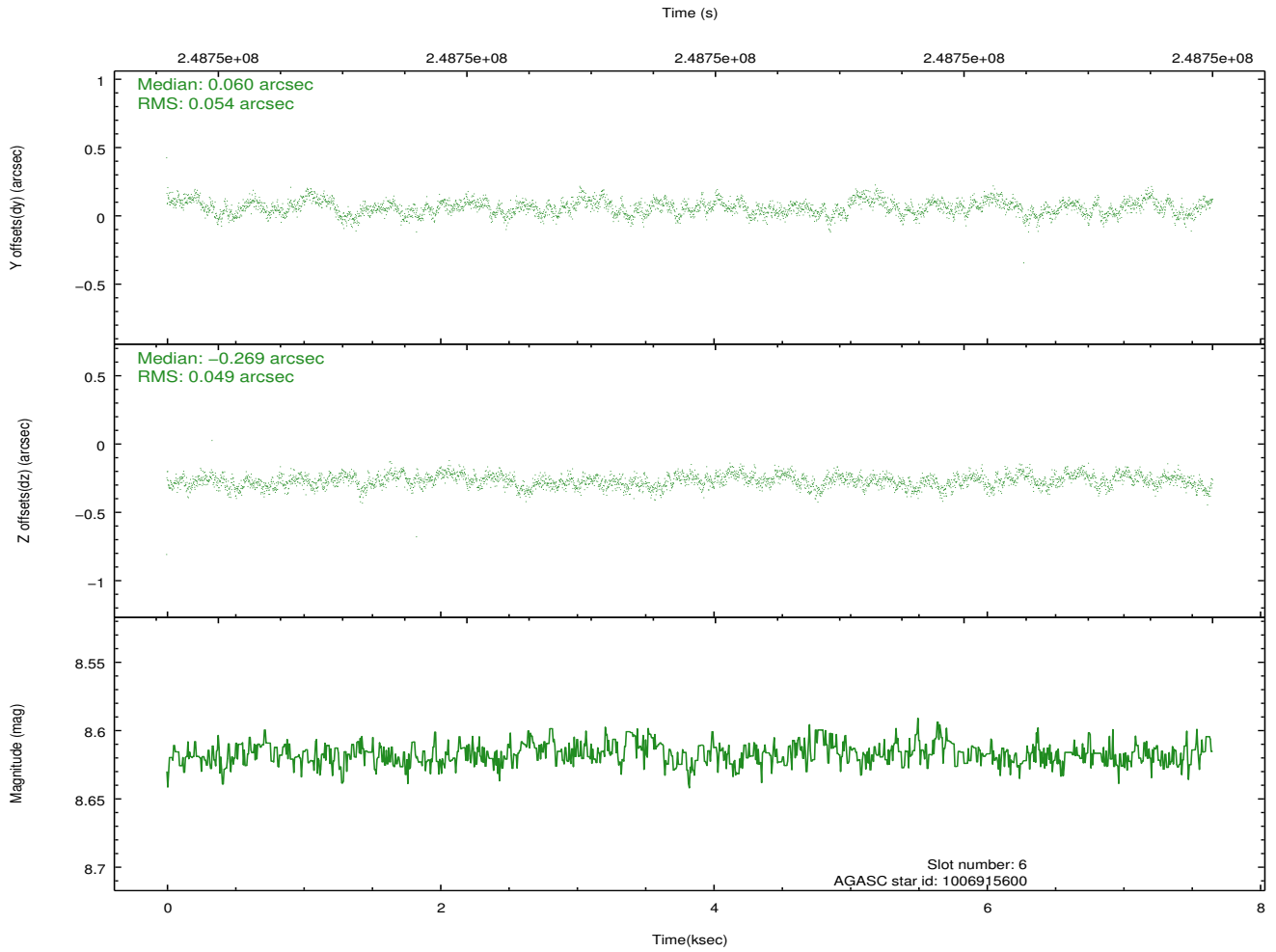
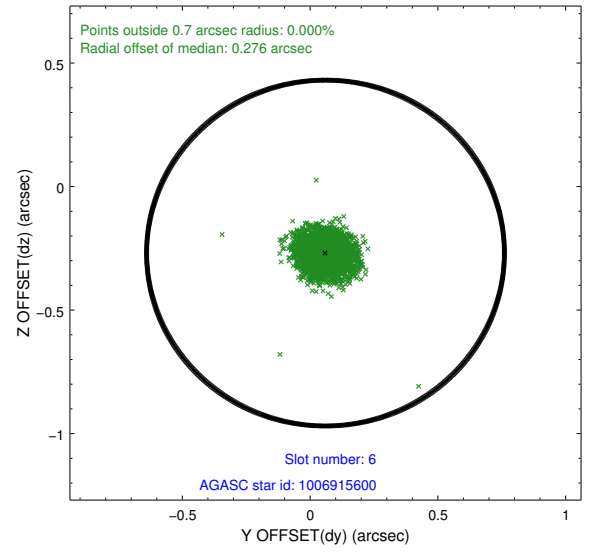
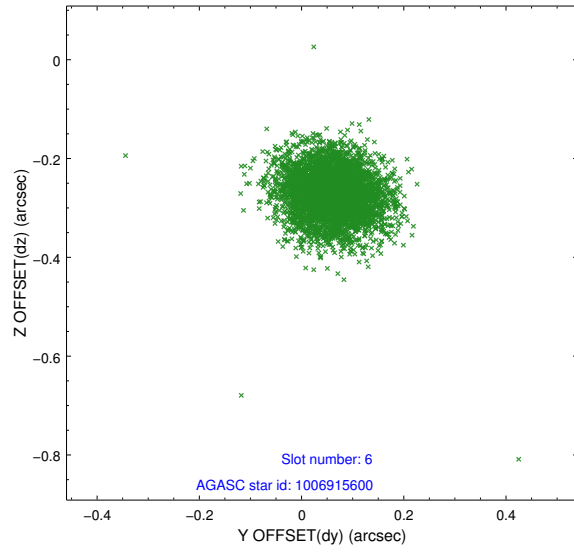
2.4.2 Slot 4



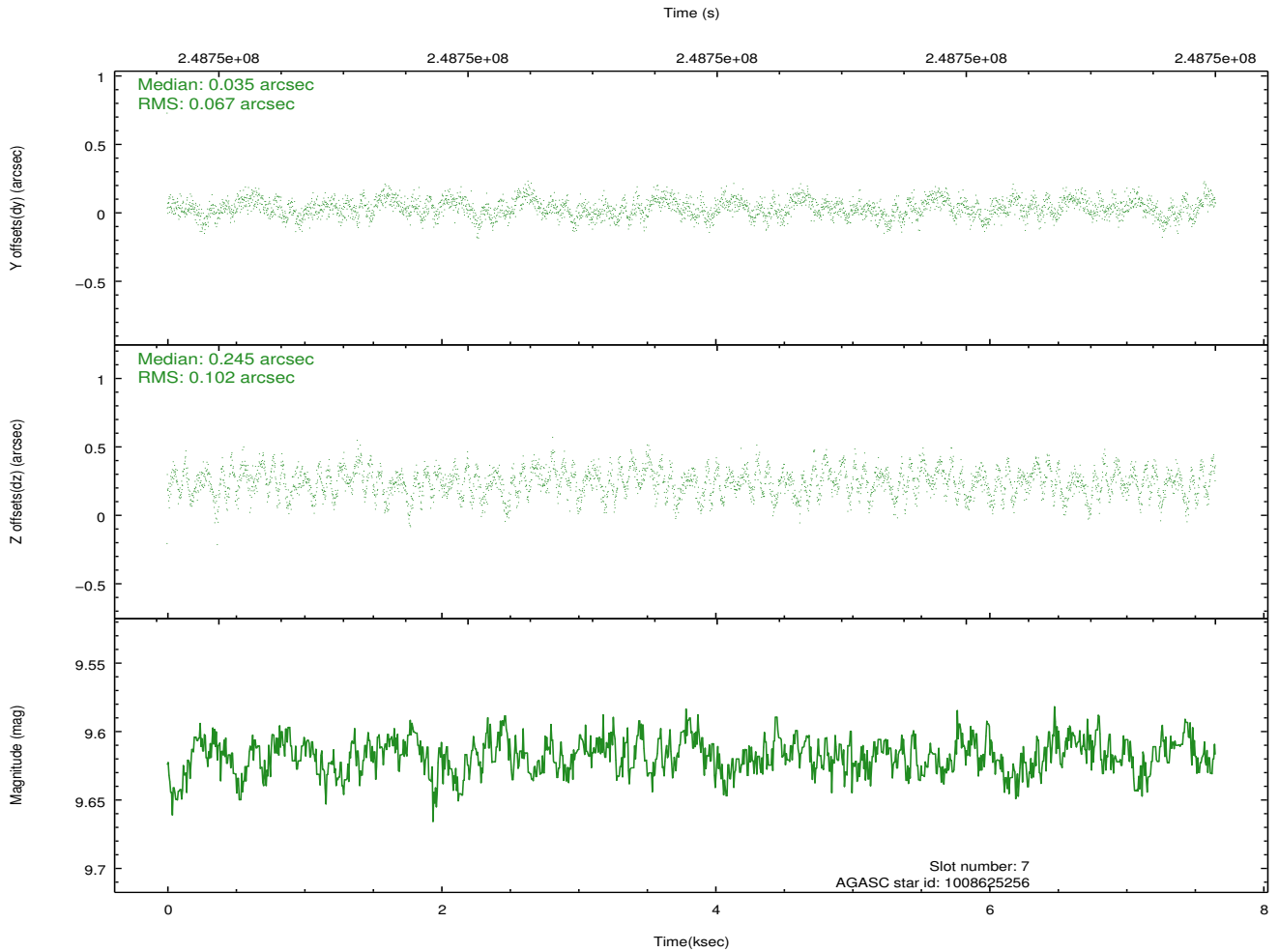
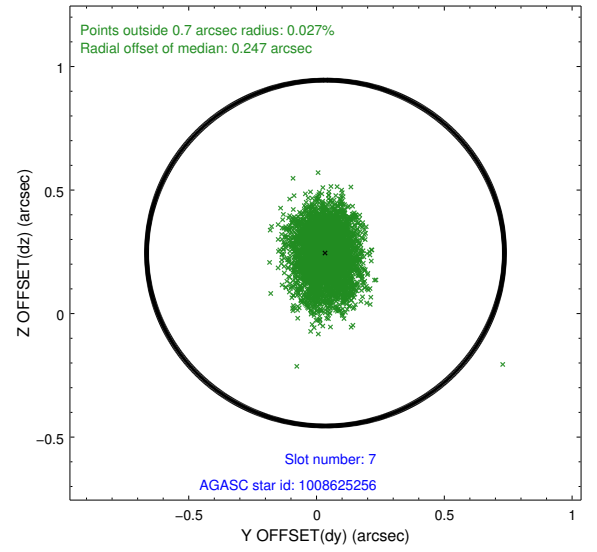
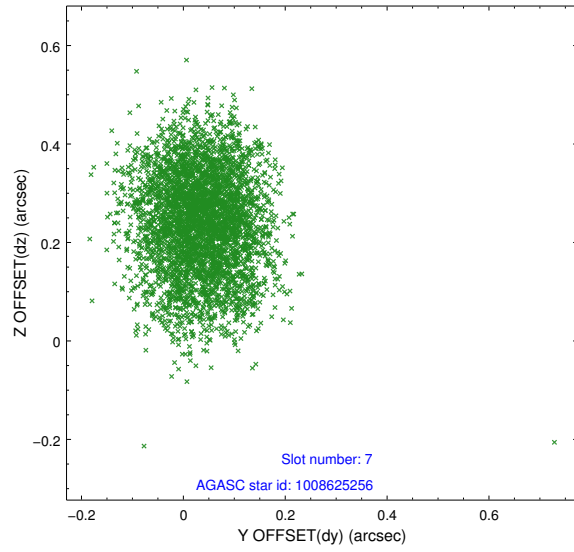
2.4.3 Slot 5



2.4.4 Slot 6

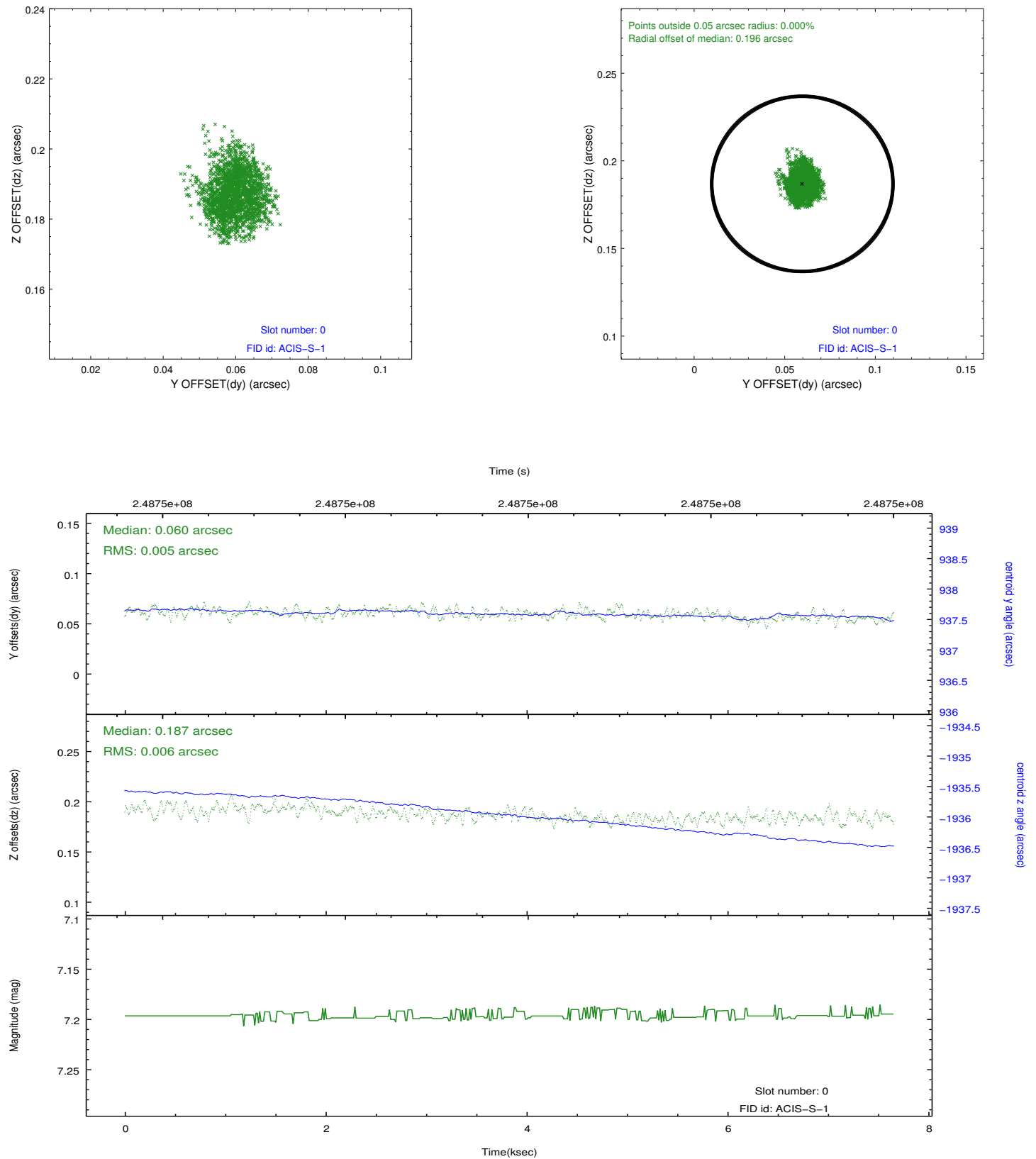


2.4.5 Slot 7

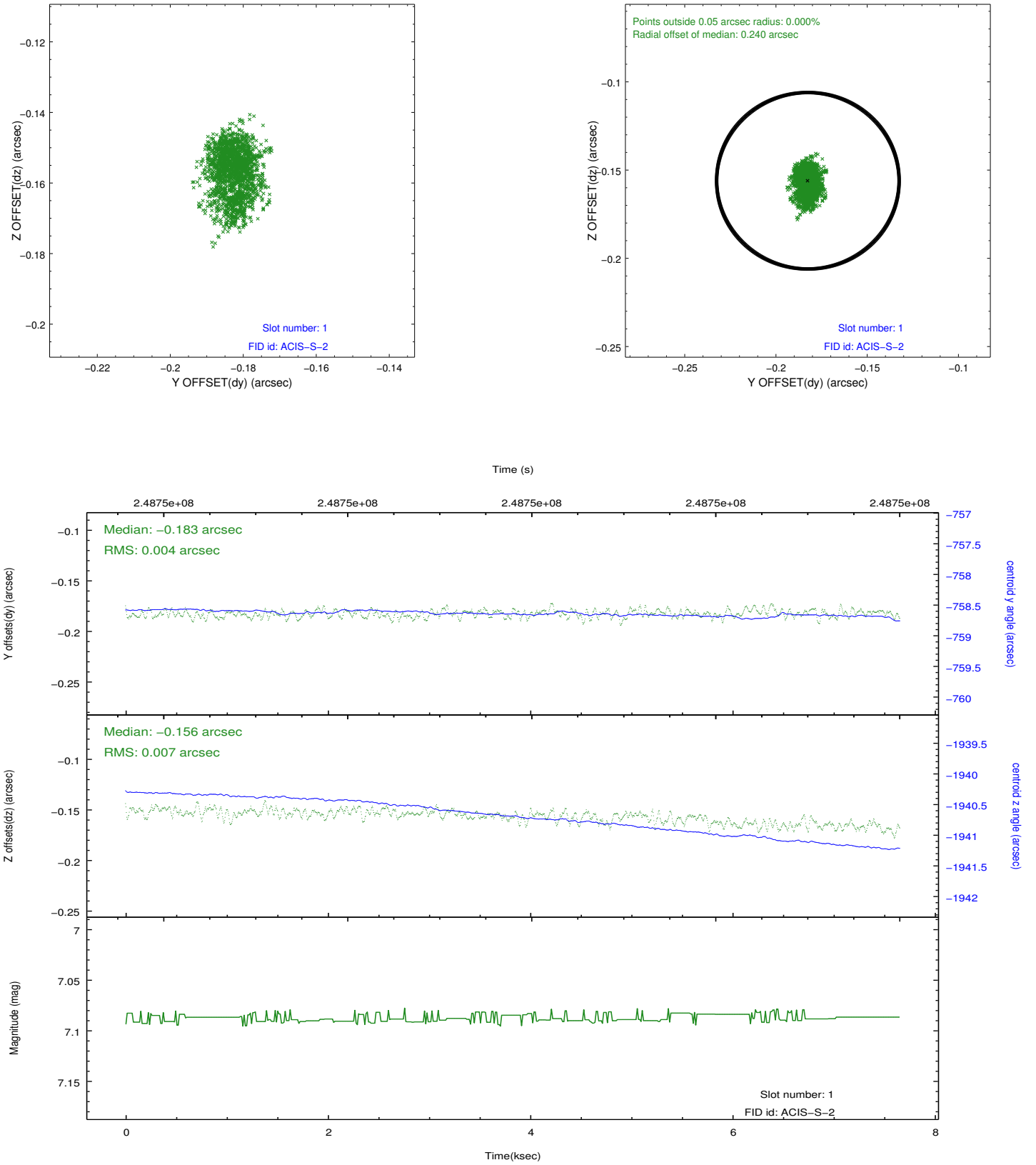


2.5 FID Slots

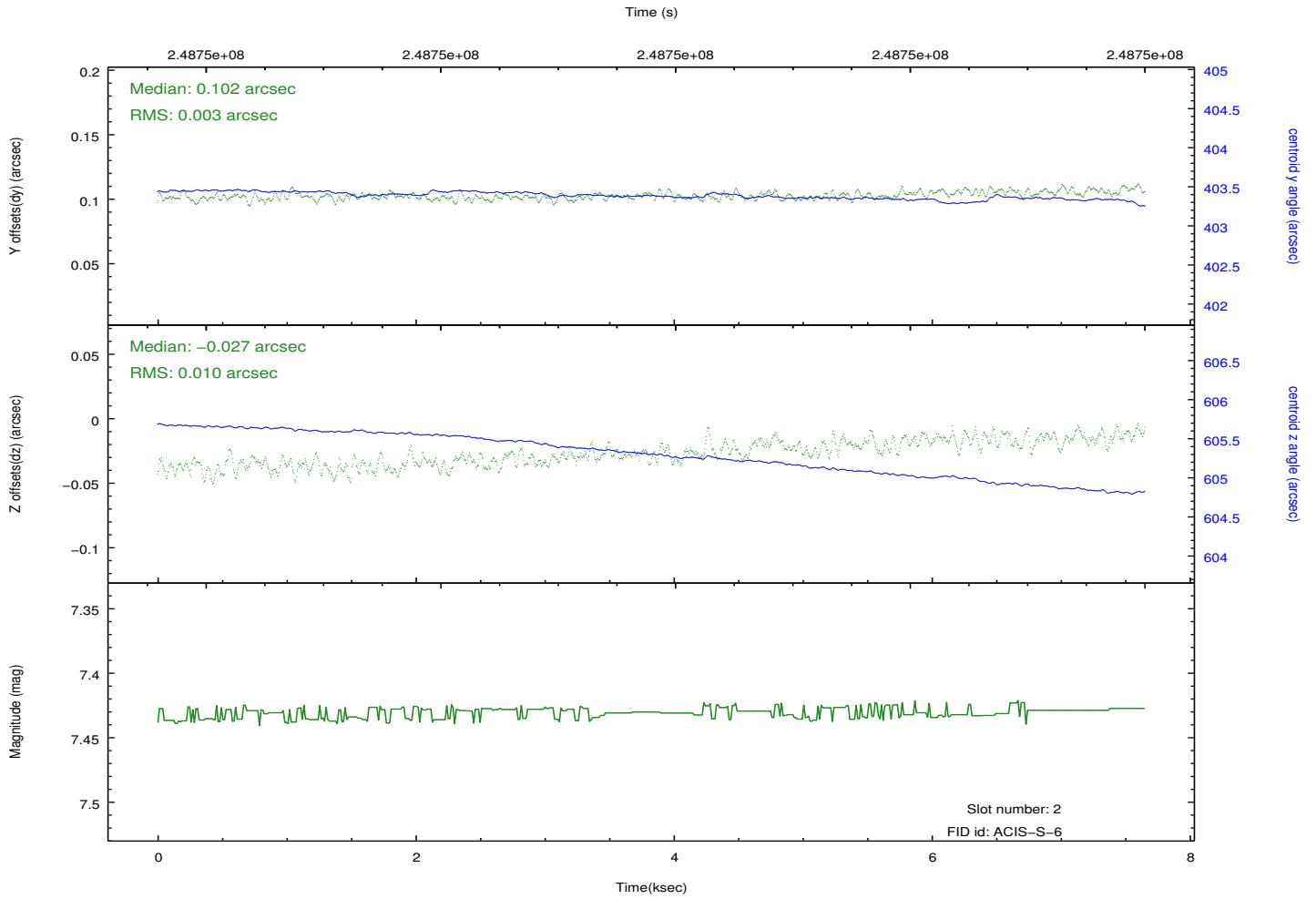
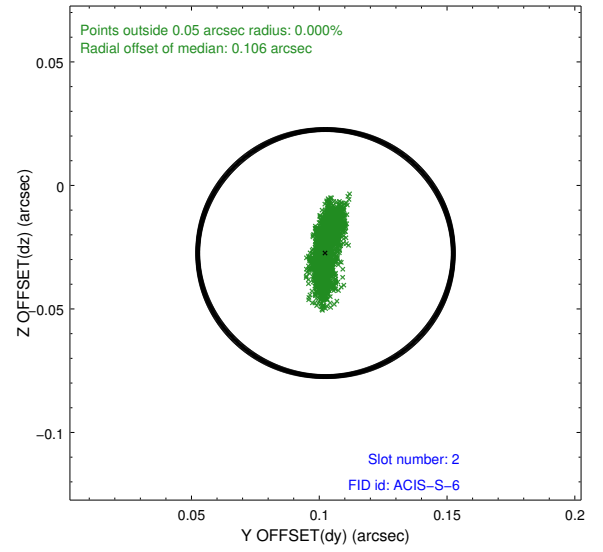
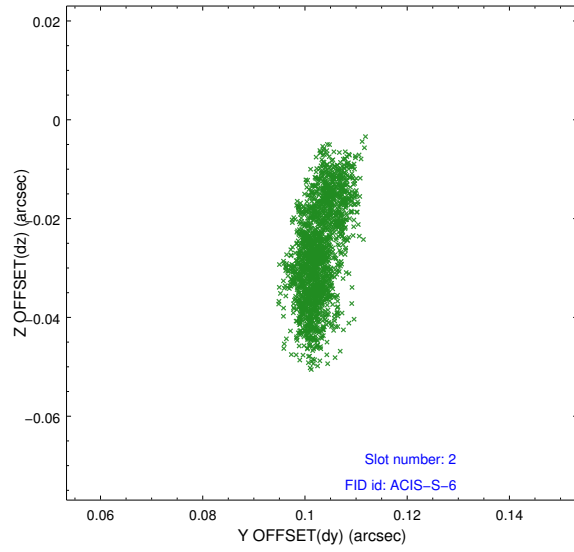
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.03.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.6544

A.2 Comments