

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12011 - L2 Version 2
Chandra X-Ray Center

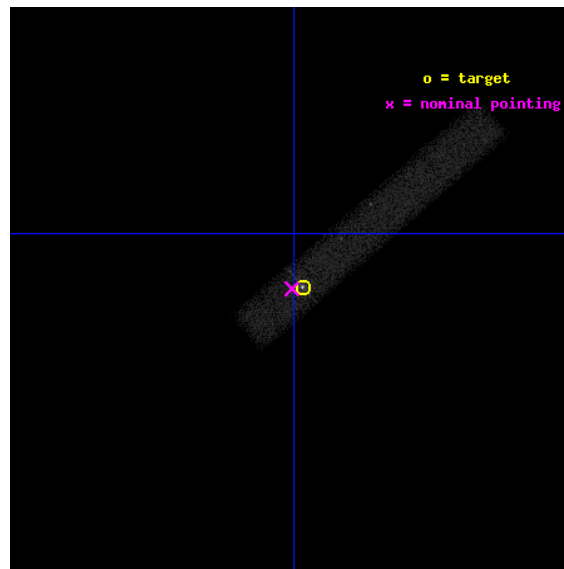
L2 Processing Date : Jun 16 2012

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1 Front

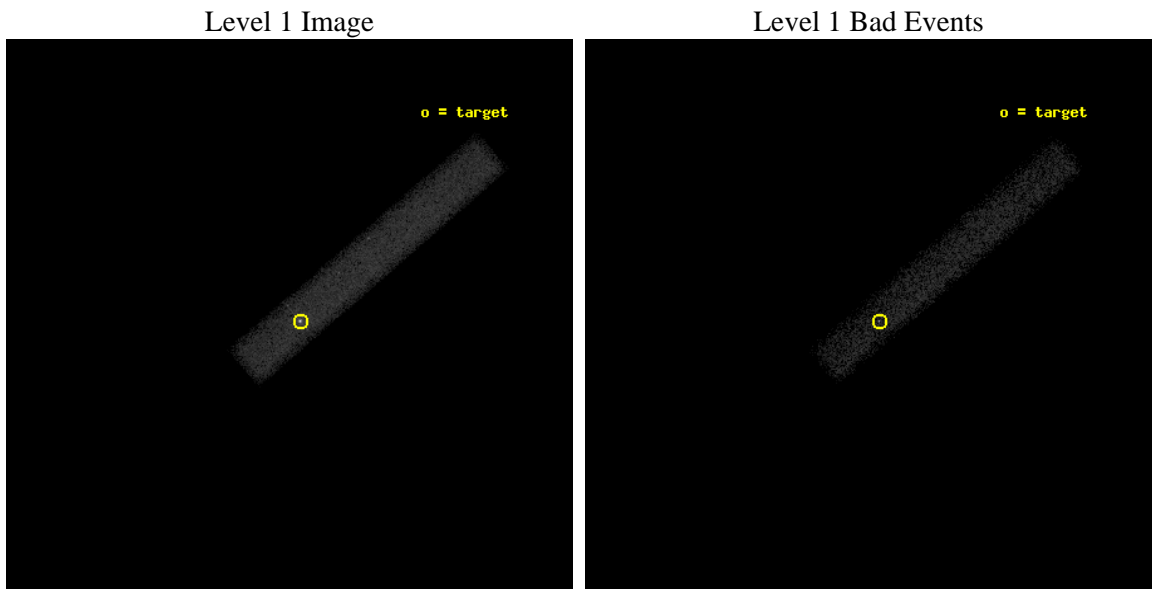
seq_num	701922	Sequence number
obs_id	12011	Observation id
title	Probing X-Ray Jet Emission Mechanisms in a Complete Blazar Sample	
observer	Dr Preeti Kharb	Principal investigator
object	1641+399	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	250.745	Observer's specified target RA [deg]
dec_targ	39.810278	Observer's specified target Dec [deg]
ra_nom	250.75125308372	Nominal RA [deg]
dec_nom	39.809496224181	Nominal Dec [deg]
roll_nom	319.15262609149	Nominal Roll [deg]
revision	2	Processing version of data
ontime	27417.198365808	Sum of GTIs [s]
liveltime	24865.951719397	Livetime [s]
ontime7	27417.198365808	Sum of GTIs [s]
l2events	37889	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	27300.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	27417.198365808	Sum of GTIs [s]
caldbver	4.4.10	 	ontime7	27417.198365808	Sum of GTIs [s]
date	2012-06-16T02:08:57	Date and time of file creation	l1events	69927	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

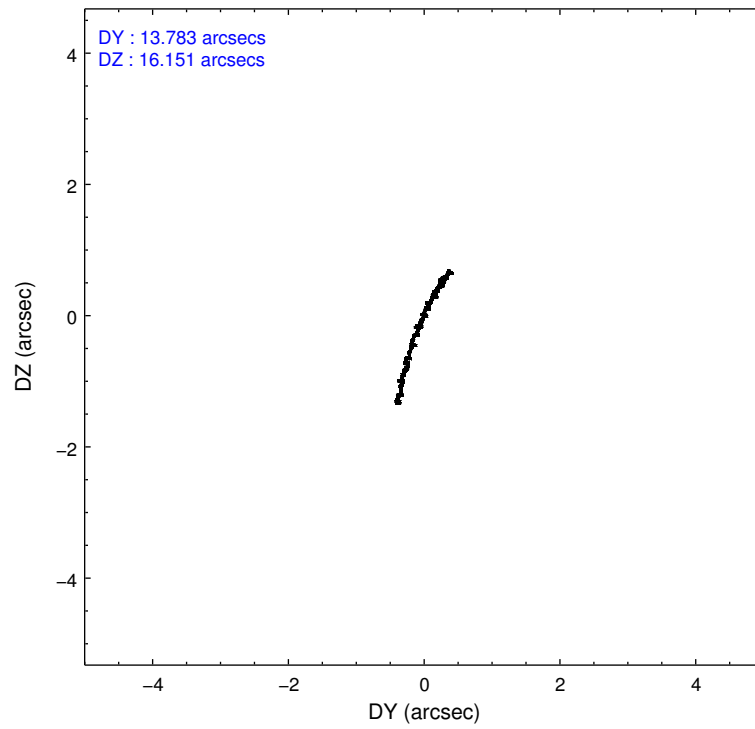
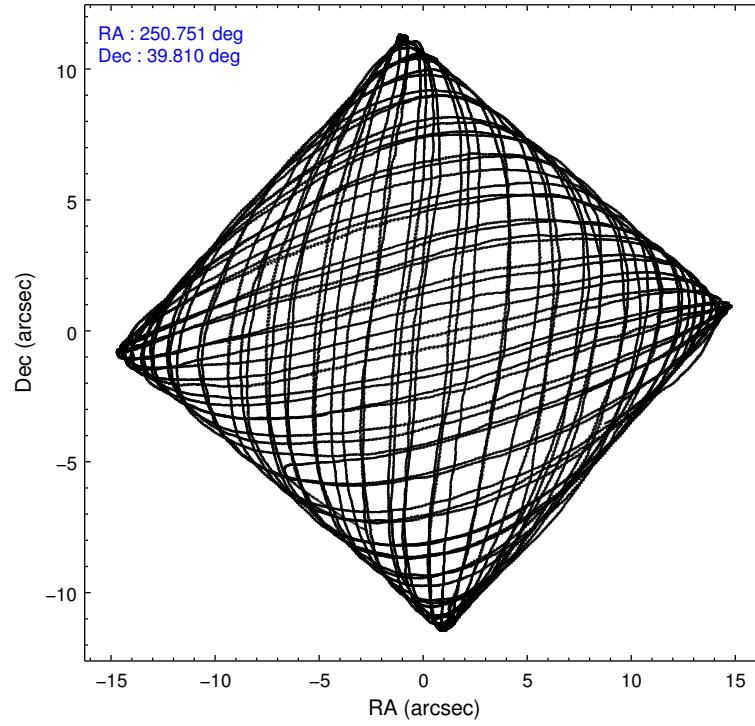
	ccd 7
level 1 events	69927
rejected events	31280
rejected %	44%

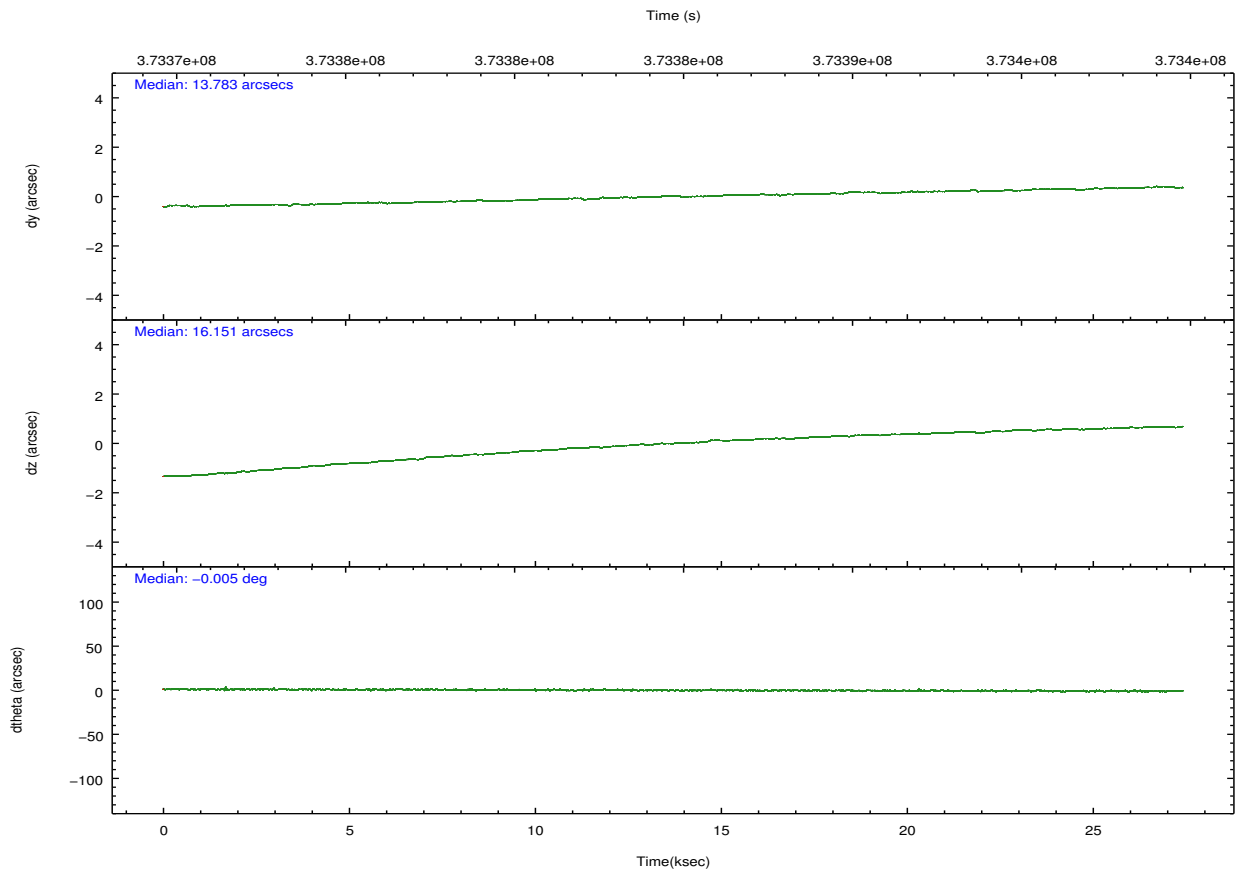
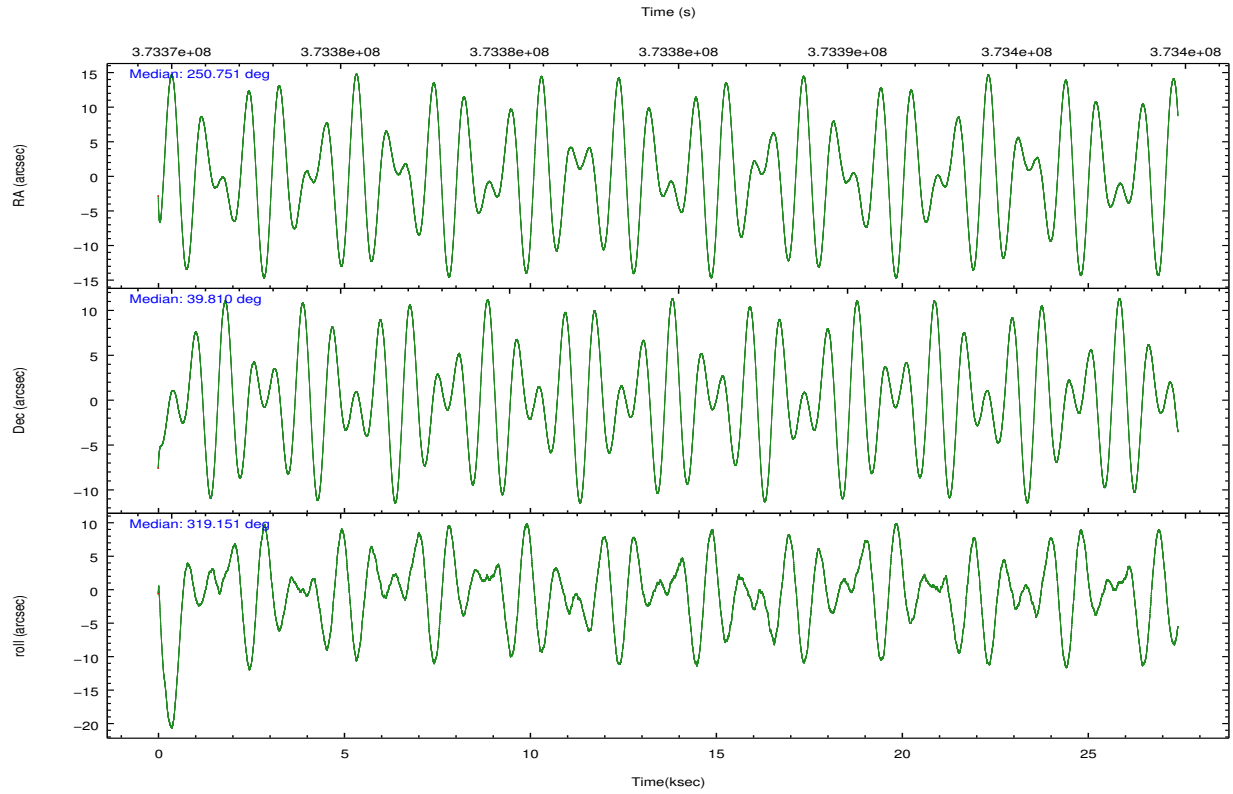
	ccd 7
grade 0 events	6377
	9%
grade 1 events	128
	0%
grade 2 events	8455
	12%
grade 3 events	4786
	6%
grade 4 events	4675
	6%
grade 5 events	5296
	7%
grade 6 events	15668
	22%
grade 7 events	24542
	35%

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	250.716183	250.7512530837234	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	39.814283	39.80949622418088	Subarray start row	1	1
[deg] Pointing Roll	319.018449	319.1526260914904	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	-179.432523	-179.4416544417341			
[mm] SIM translation stage offset	-10.7	-10.69086814127374			
[s] Observation start time (MET)	373371086.184000	373369457.35567			
Observation start date	2009-10-31T10:10:20	2009-10-31T09:44:17			
[s] Observation end time (MET)	373398386.184000	373398929.18215			
Observation end date	2009-10-31T17:45:20	2009-10-31T17:55:29			
Read mode	TIMED	TIMED			

2.3 Aspect



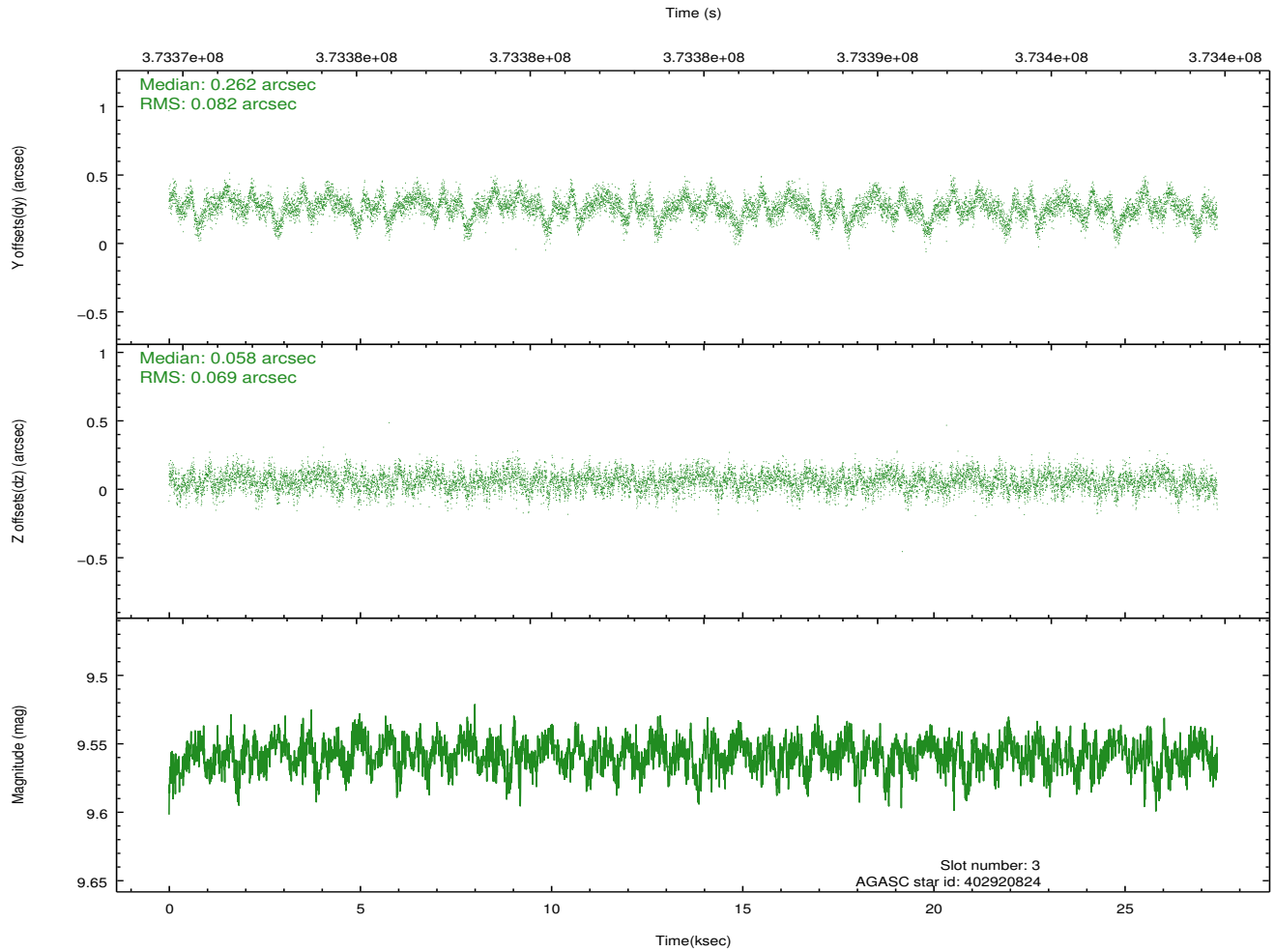
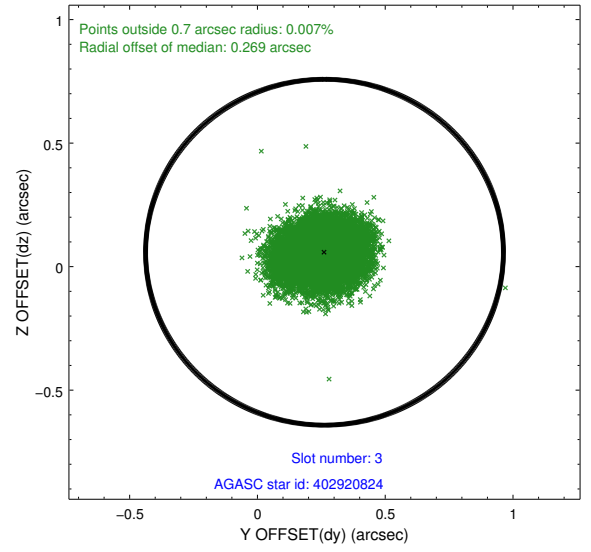
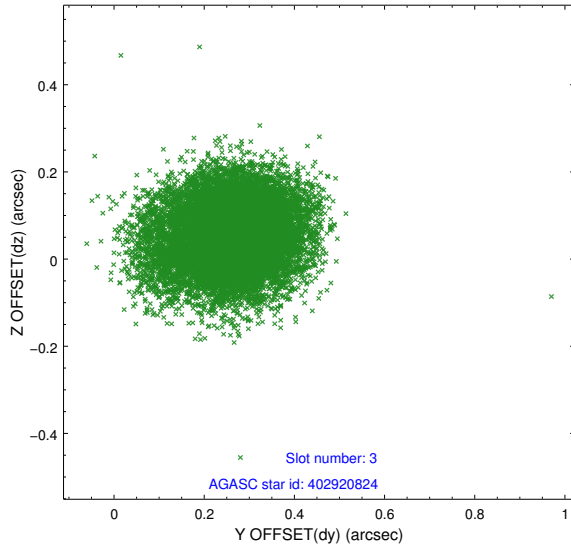


Slot Statistics

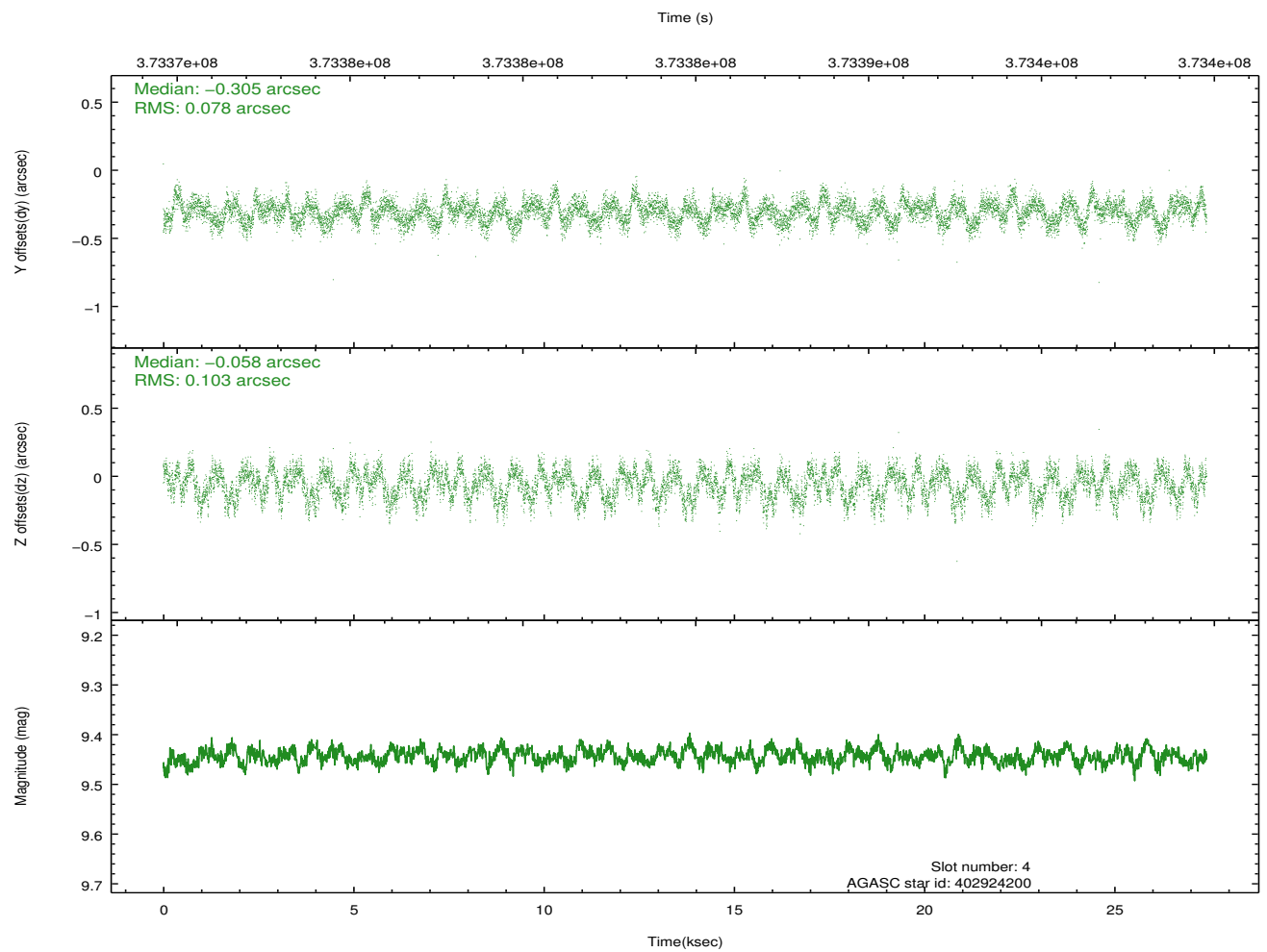
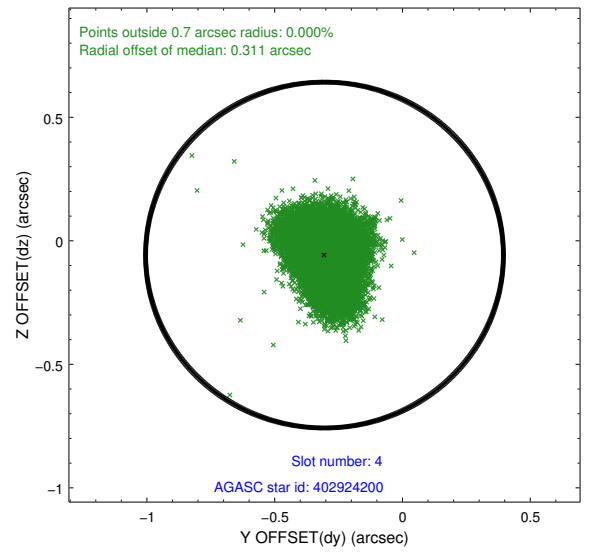
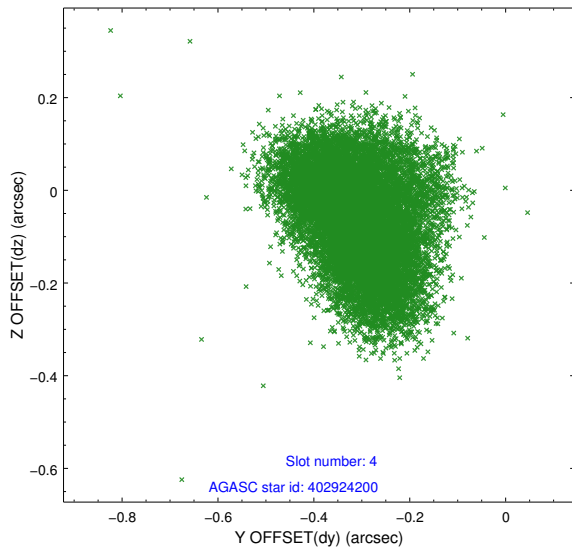
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.93	6688	0.150	0.099	0.012	0.025	0.000000	0.000000	930.25	-1953.08
1	FID	ACIS-S-2	6.84	6687	-0.086	-0.401	0.013	0.059	0.000000	0.000000	-765.84	-1958.24
2	FID	ACIS-S-5	6.99	6688	-0.090	0.305	0.010	0.035	0.000000	0.000000	-1819.16	-55.44
3	GUIDE	402920824	9.56	13358	0.262	0.058	0.113	0.187	250.008594	39.833340	-1526.25	-1225.23
4	GUIDE	402924200	9.44	13362	-0.305	-0.058	0.140	0.214	250.233038	39.972708	-1382.82	-441.09
5	GUIDE	402926416	9.42	13256	0.034	-0.066	0.107	0.172	251.685516	39.826965	1983.79	1803.03
6	GUIDE	402921528	8.18	13371	-0.031	-0.002	0.077	0.120	251.380069	39.383044	2408.63	45.01
7	GUIDE	402926288	9.78	13305	0.044	0.074	0.181	0.279	251.704536	40.040124	1513.00	2411.77

2.4 Star Slots

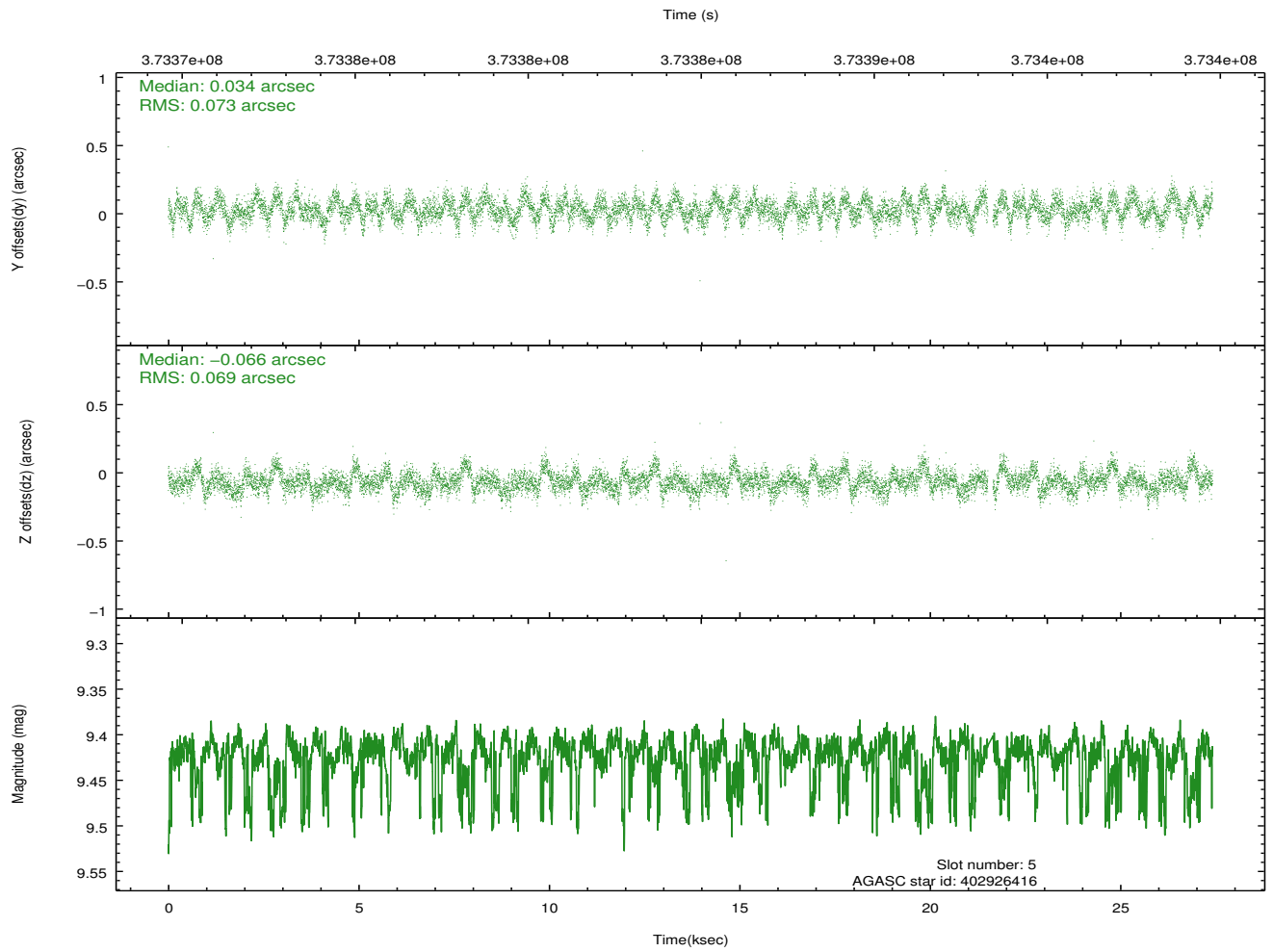
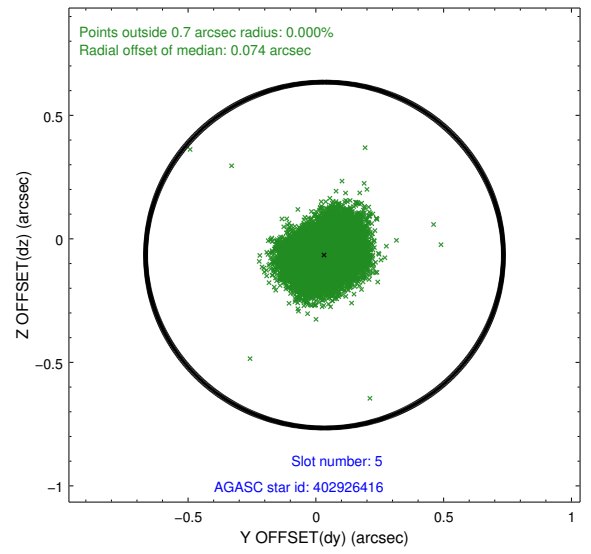
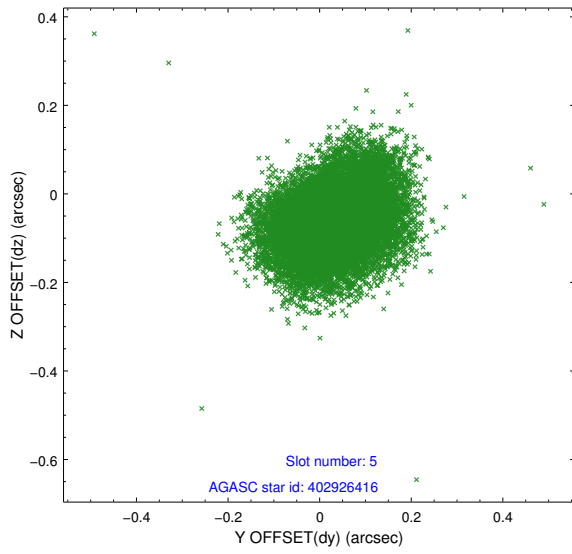
2.4.1 Slot 3



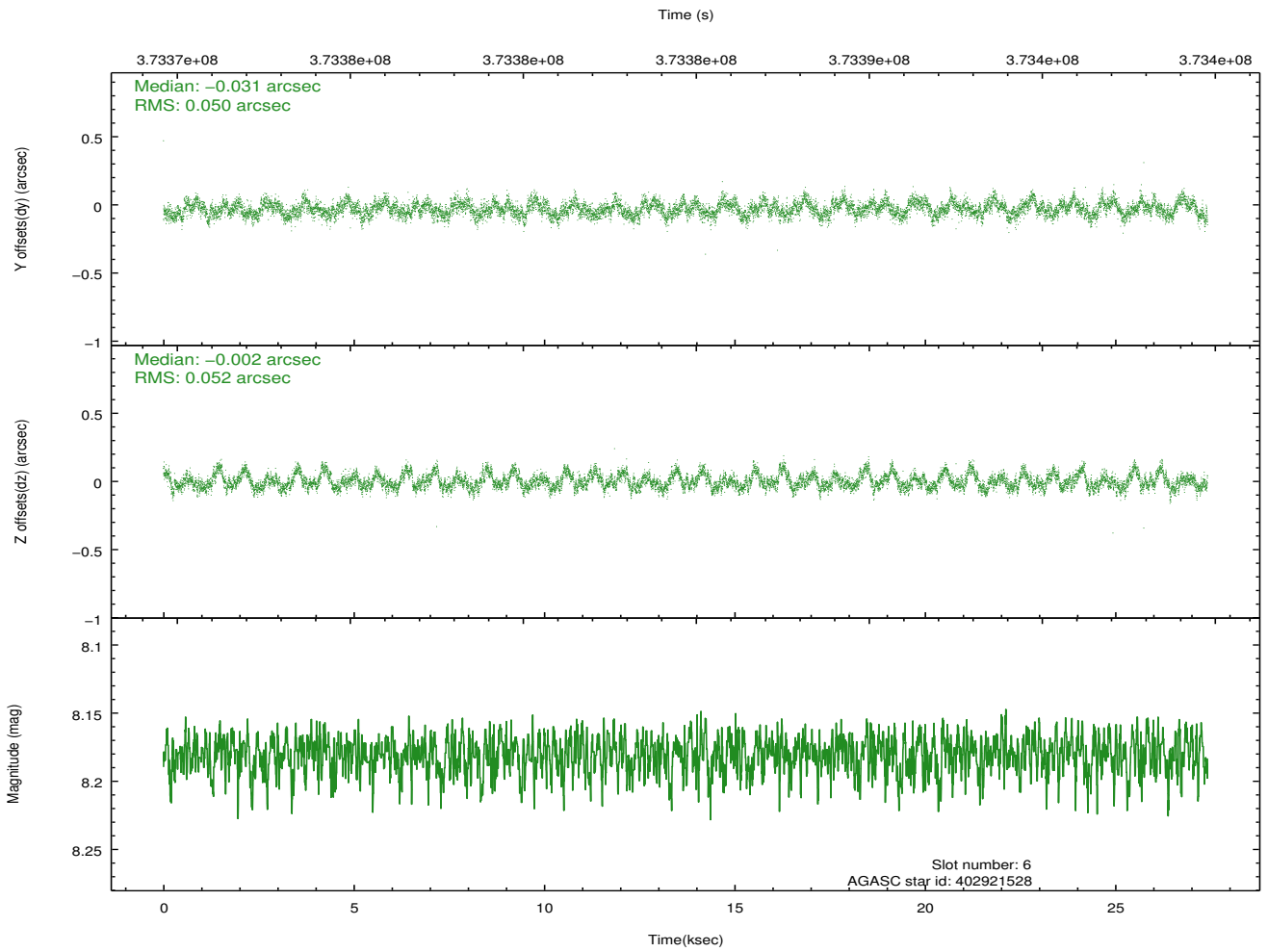
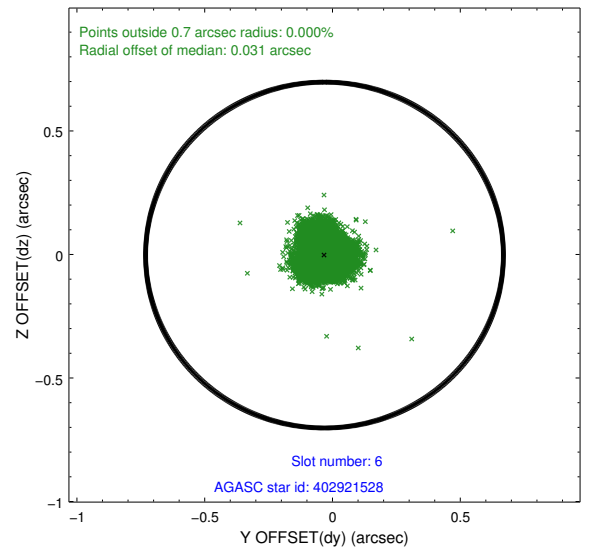
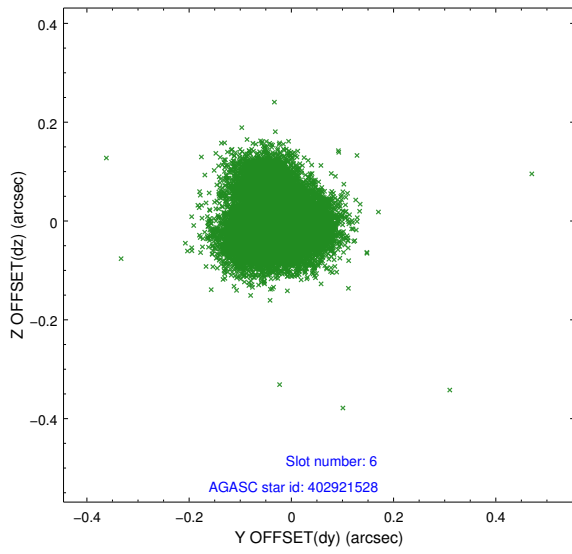
2.4.2 Slot 4



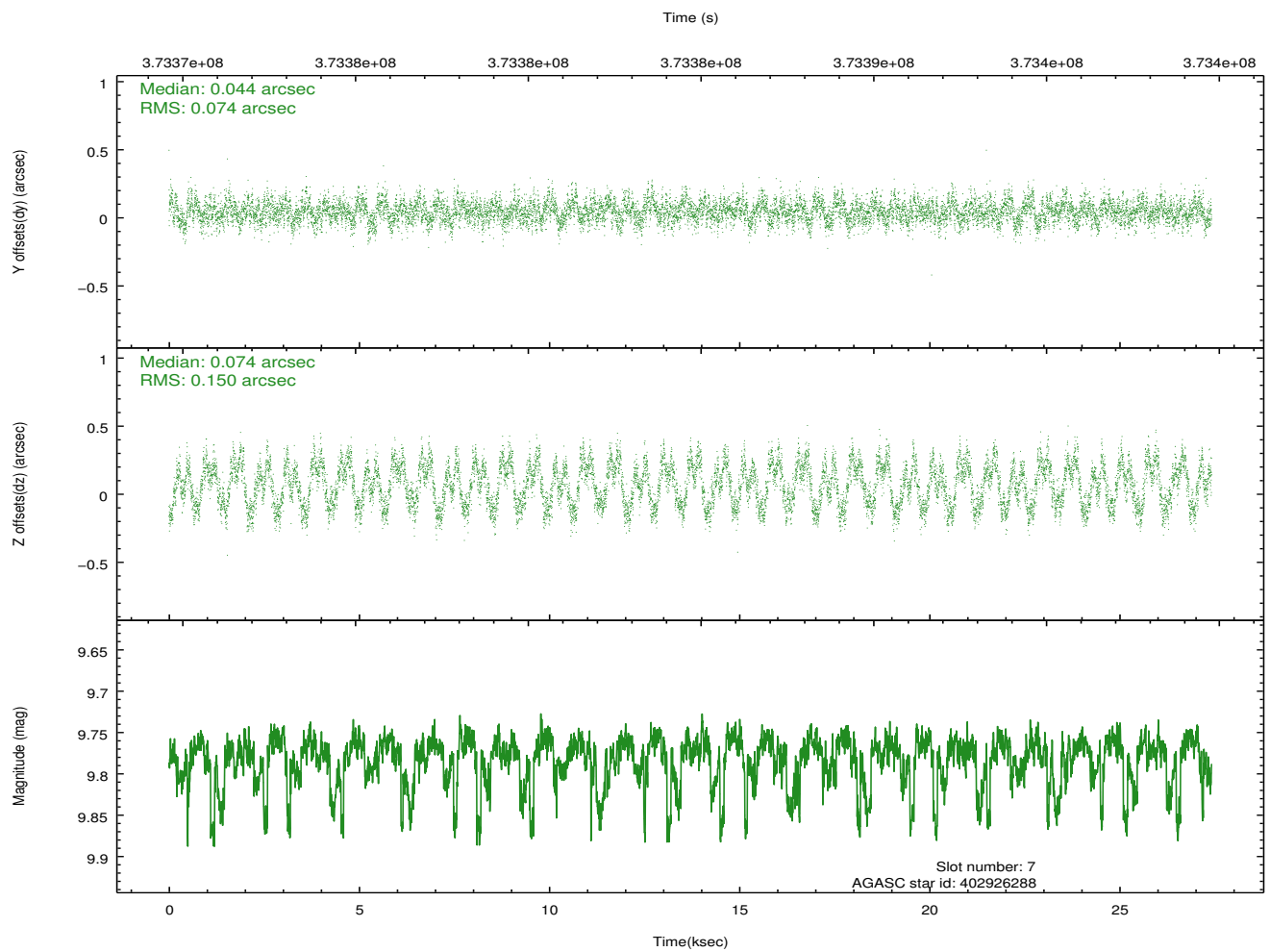
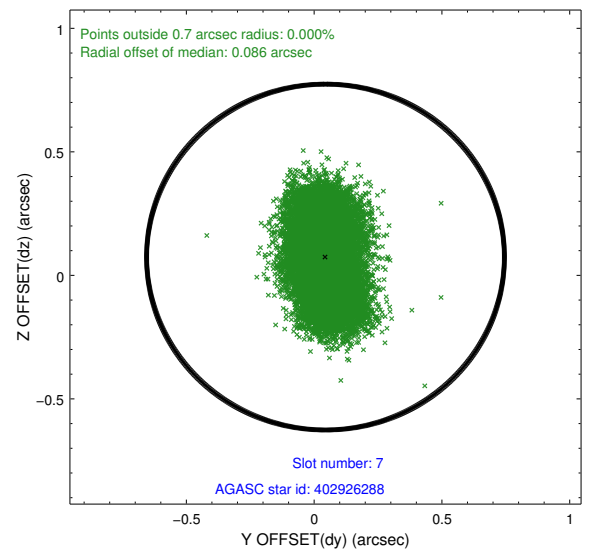
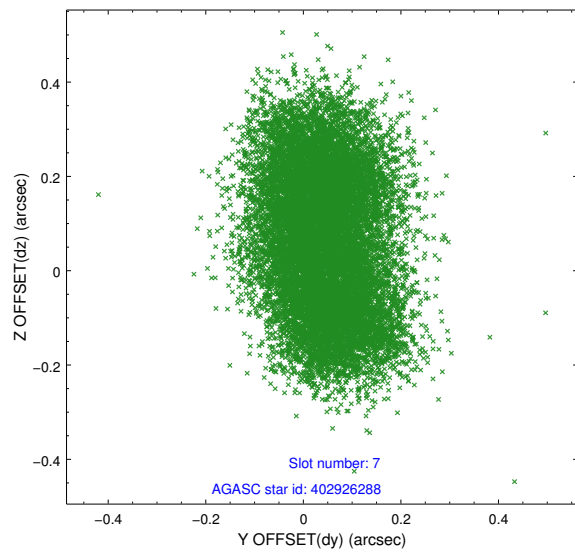
2.4.3 Slot 5



2.4.4 Slot 6

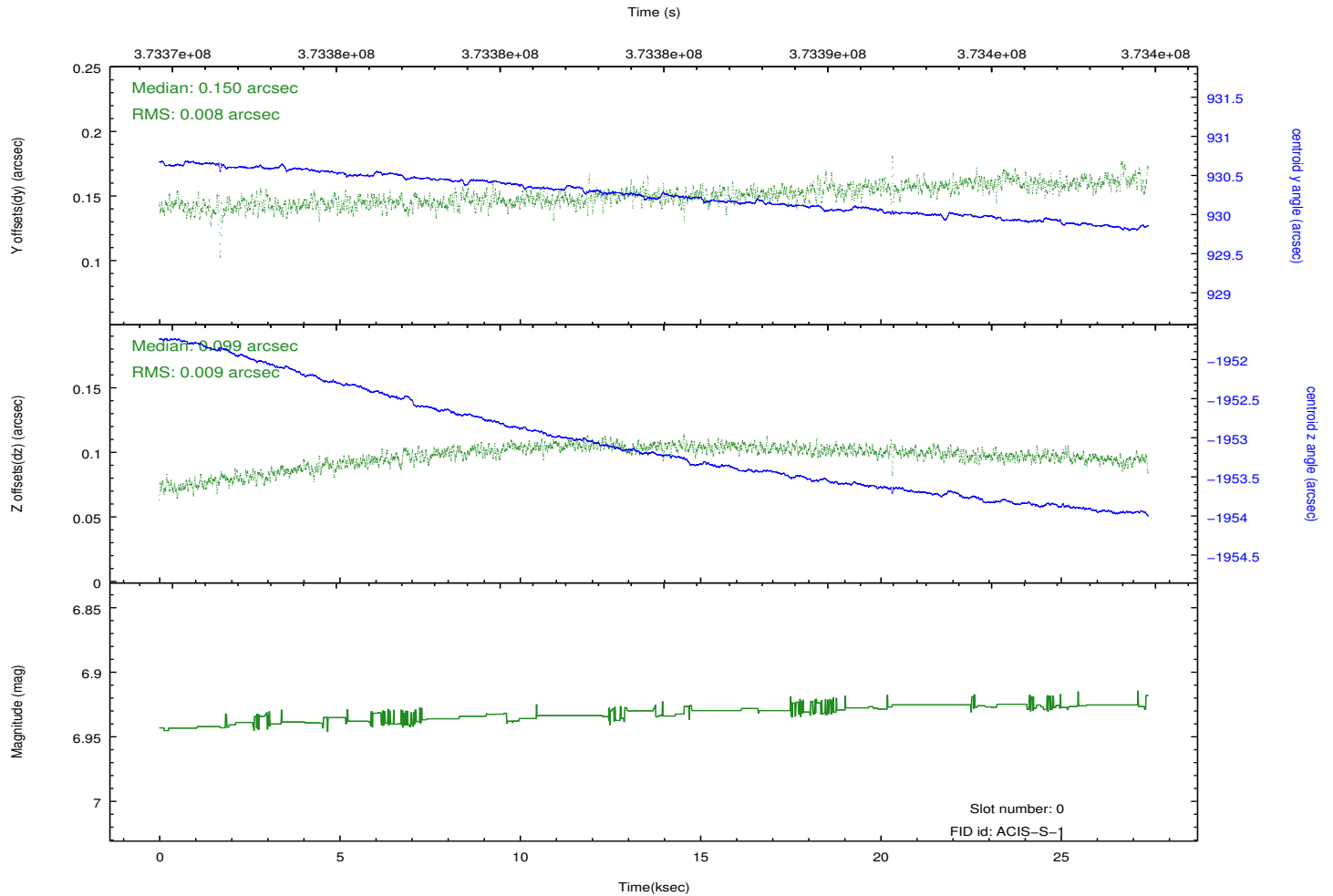
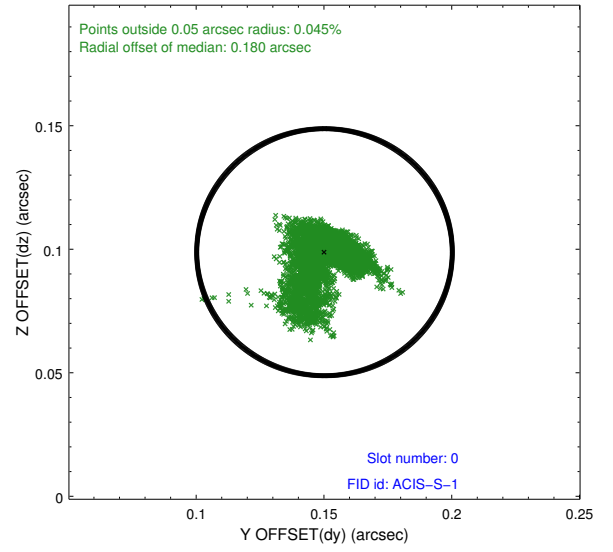
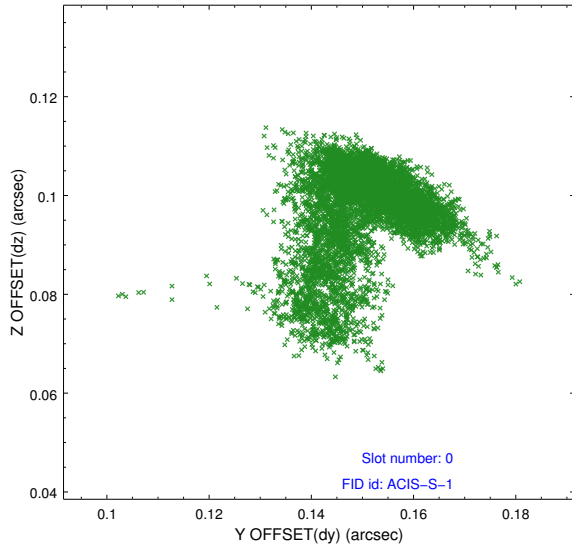


2.4.5 Slot 7

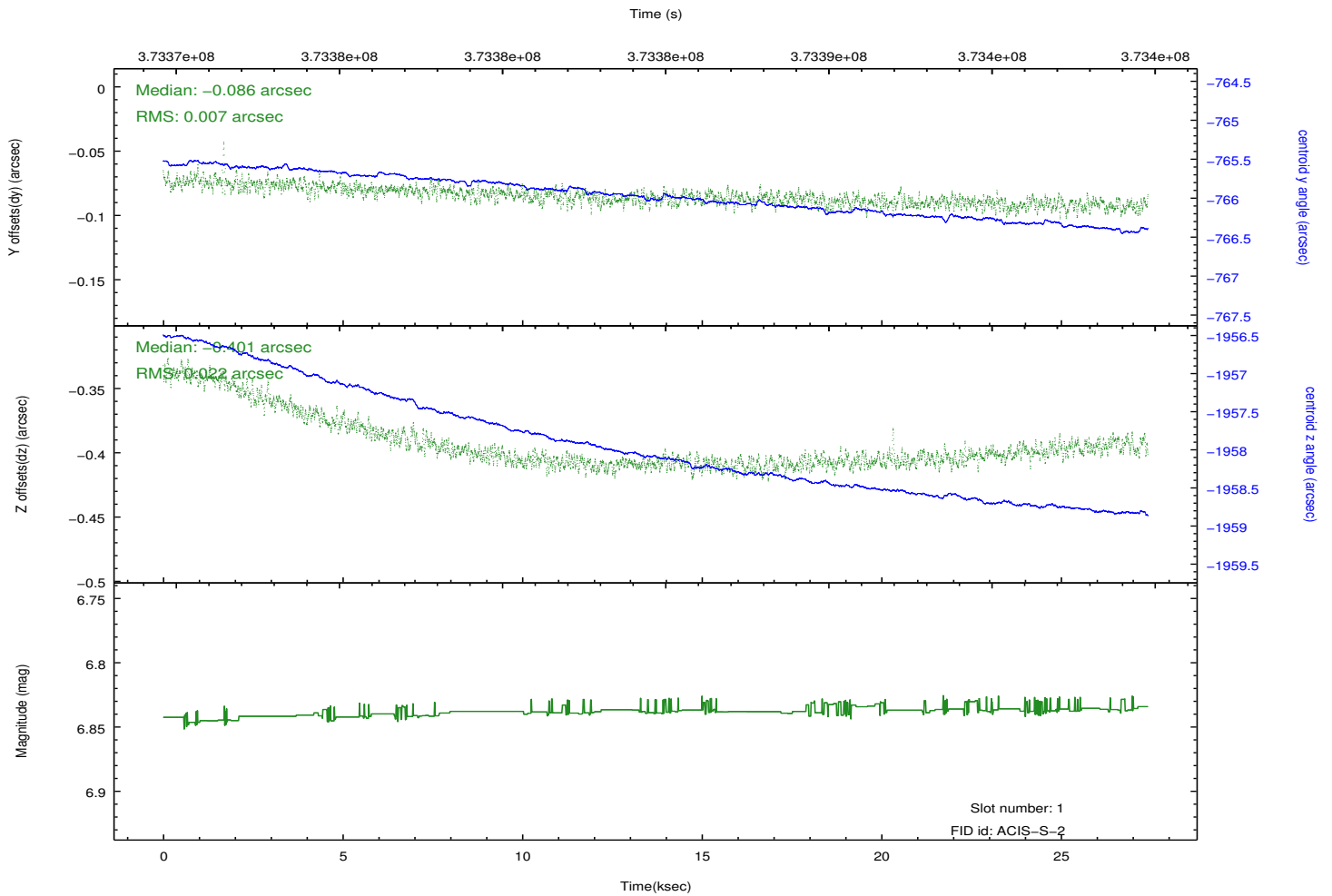
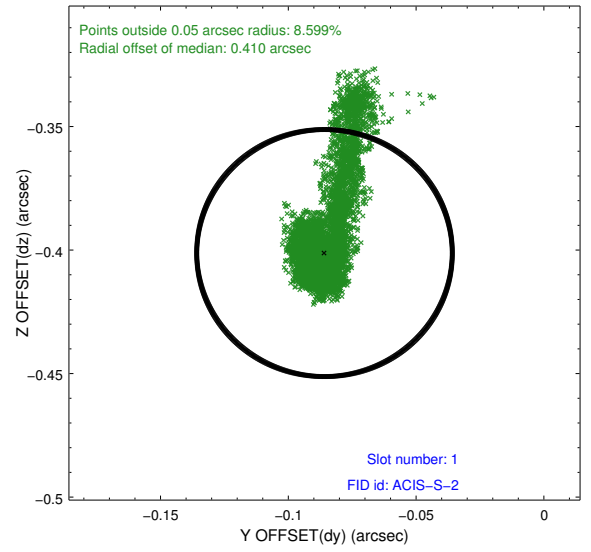
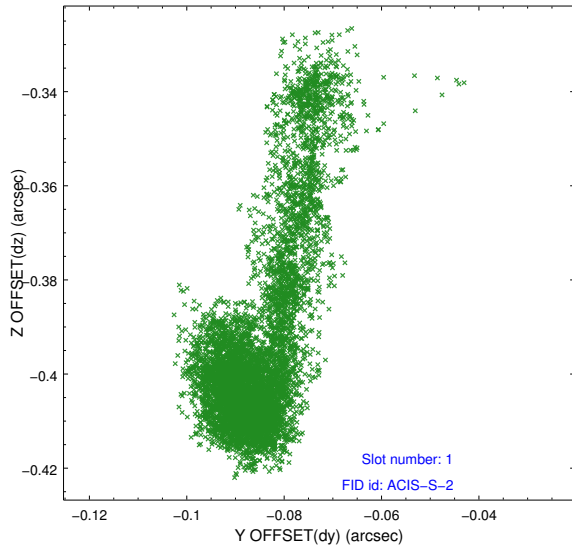


2.5 FID Slots

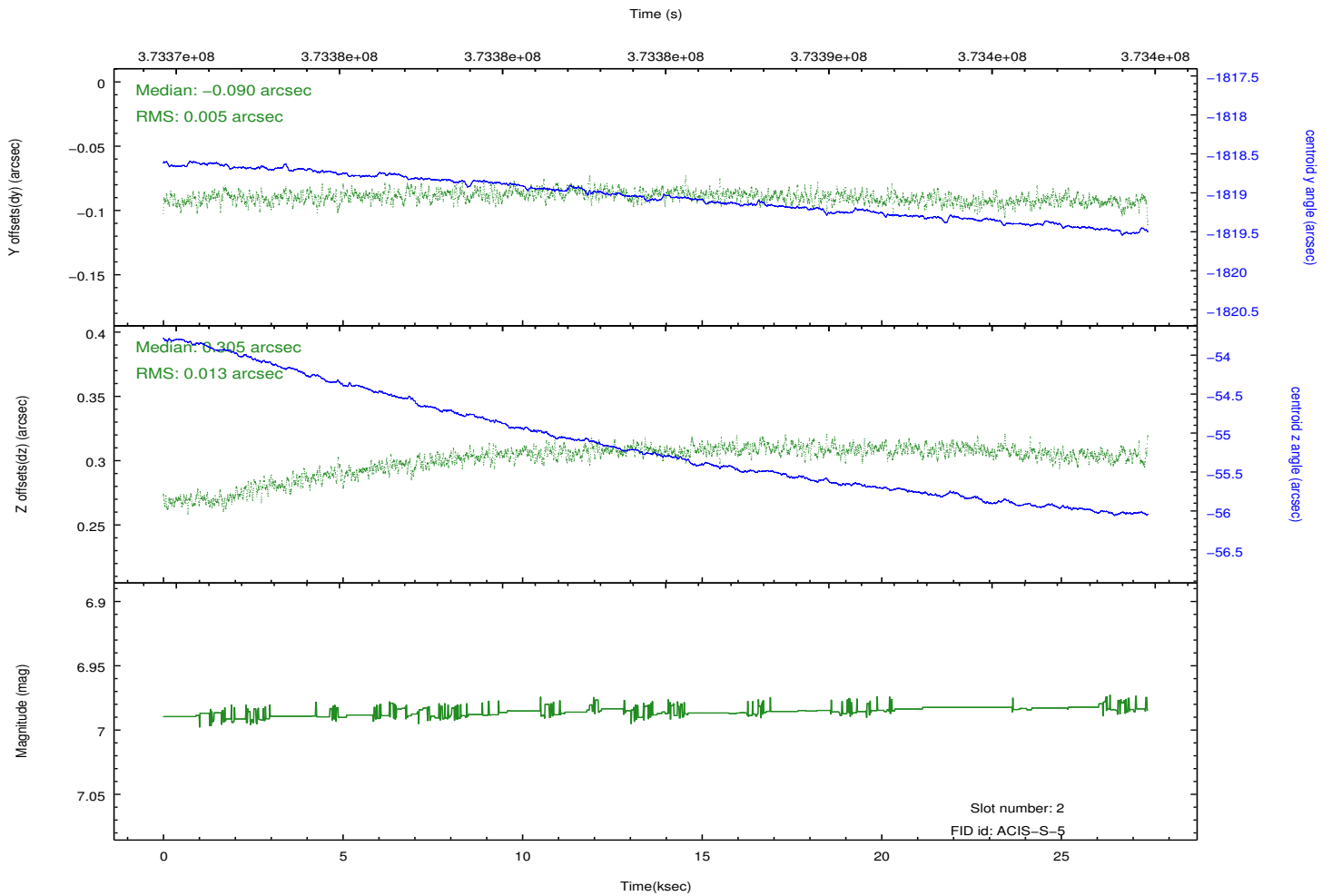
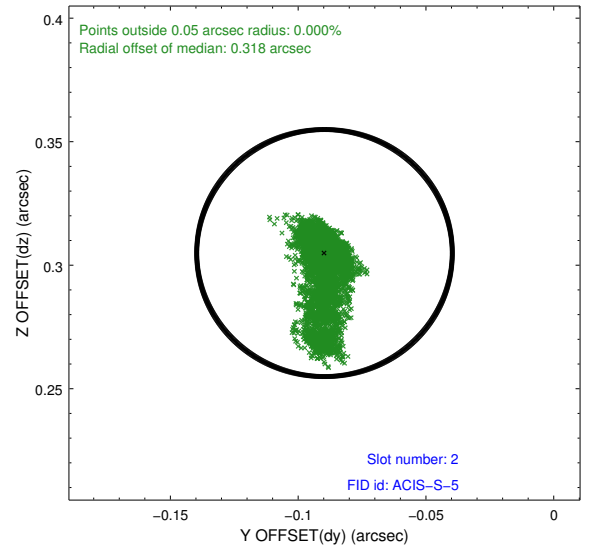
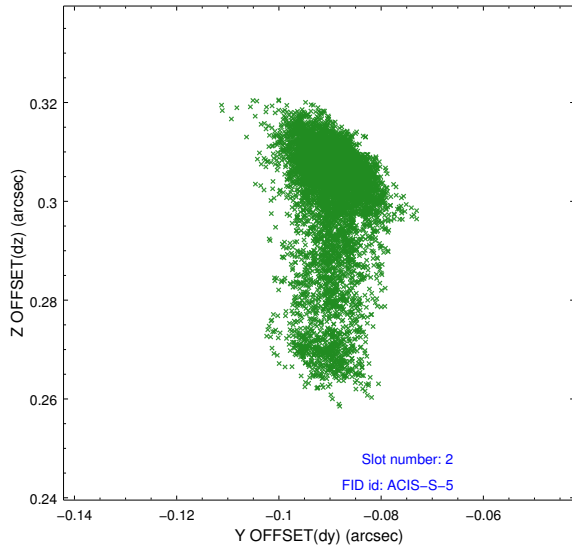
2.5.1 Slot 0



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)	2012.06.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	27.417198365808

A.2 Comments

Joint HST observation. Roll preference met.