

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10380 - L2 Version 2
Chandra X-Ray Center

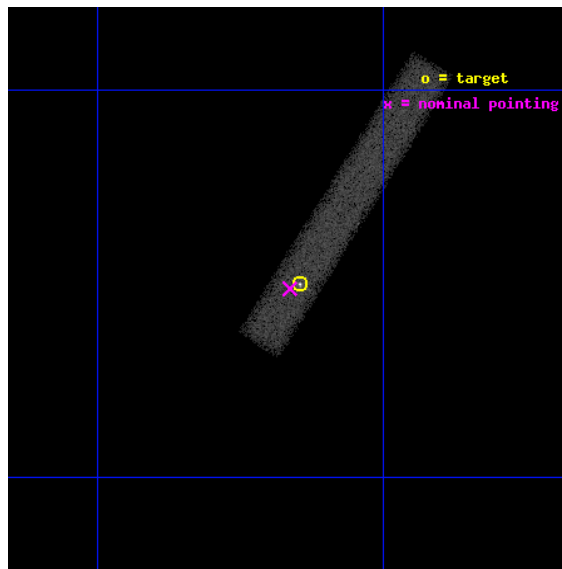
L2 Processing Date : May 23 2012

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1 Front

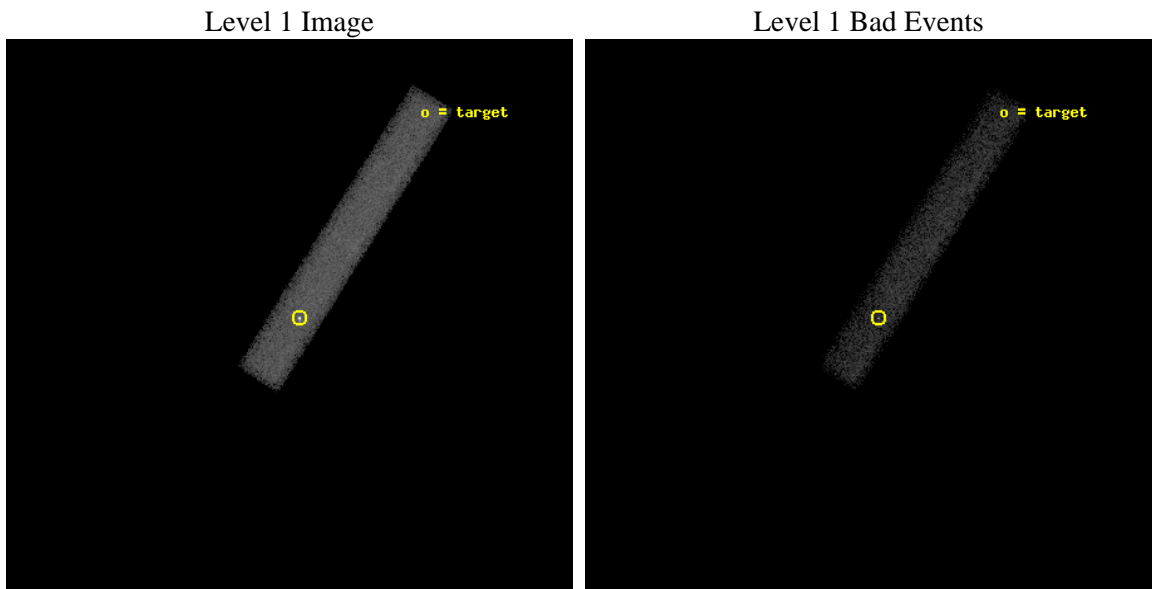
seq_num	701923	Sequence number
obs_id	10380	Observation id
title	Probing X-Ray Jet Emission Mechanisms in a Complete Blazar Sample	
observer	Dr Preeti Kharb	Principal investigator
object	0106+013	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	17.161667	Observer's specified target RA [deg]
dec_targ	1.583417	Observer's specified target Dec [deg]
ra_nom	17.166030070731	Nominal RA [deg]
dec_nom	1.5812862279419	Nominal Dec [deg]
roll_nom	302.15650974193	Nominal Roll [deg]
revision	2	Processing version of data
ontime	37187.997783422	Sum of GTIs [s]
livetime	33727.551046093	Livetime [s]
ontime7	37187.997783422	Sum of GTIs [s]
l2events	34869	Number of level 2 events



2 OBI

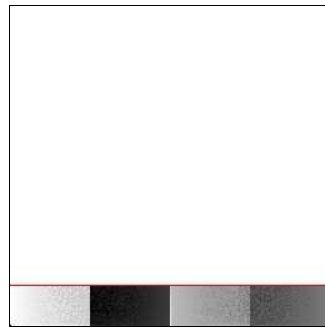
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	37000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	37187.997783422	Sum of GTIs [s]
caldbver	4.4.9	 	ontime7	37187.997783422	Sum of GTIs [s]
date	2012-05-23T13:25:54	Date and time of file creation	l1events	74074	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

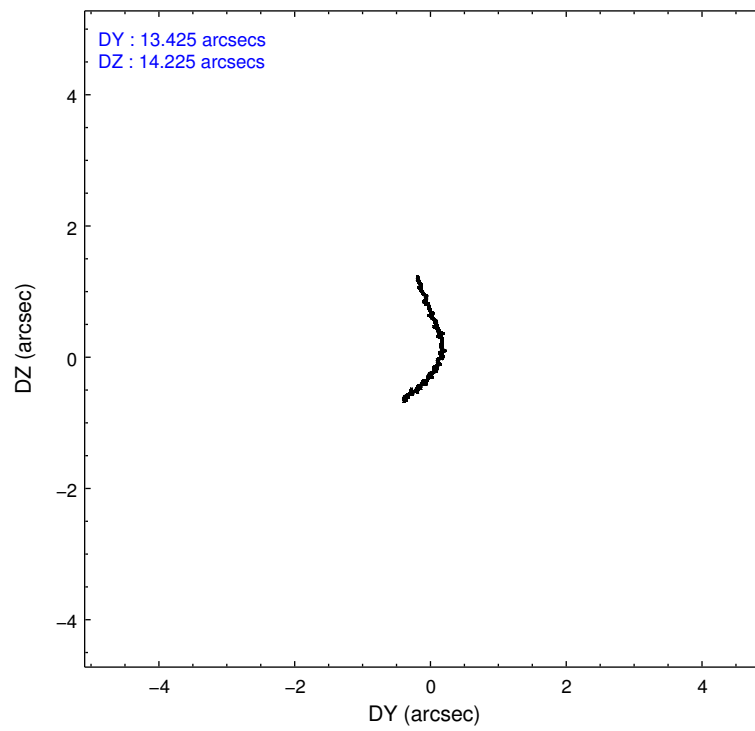
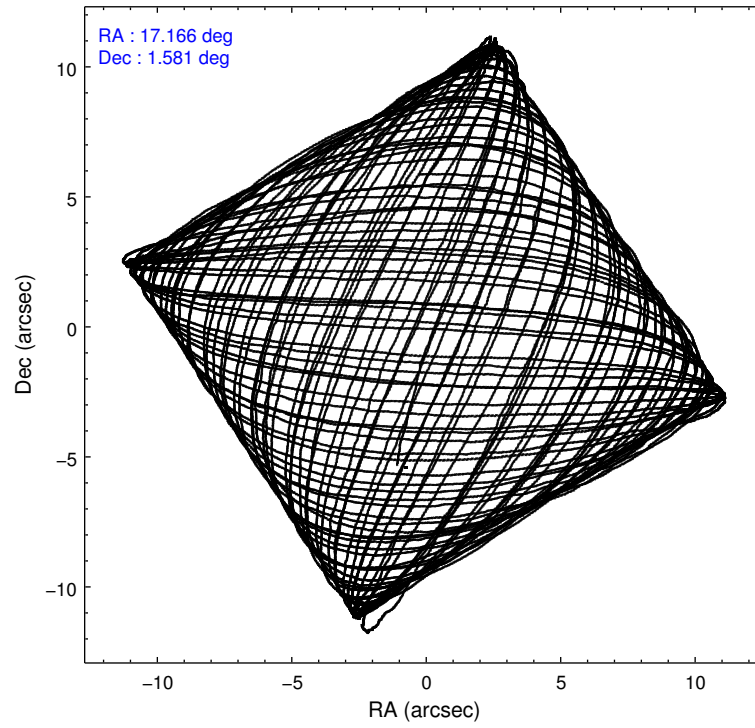
	ccd 7
level 1 events	74074
rejected events	38284
rejected %	51%

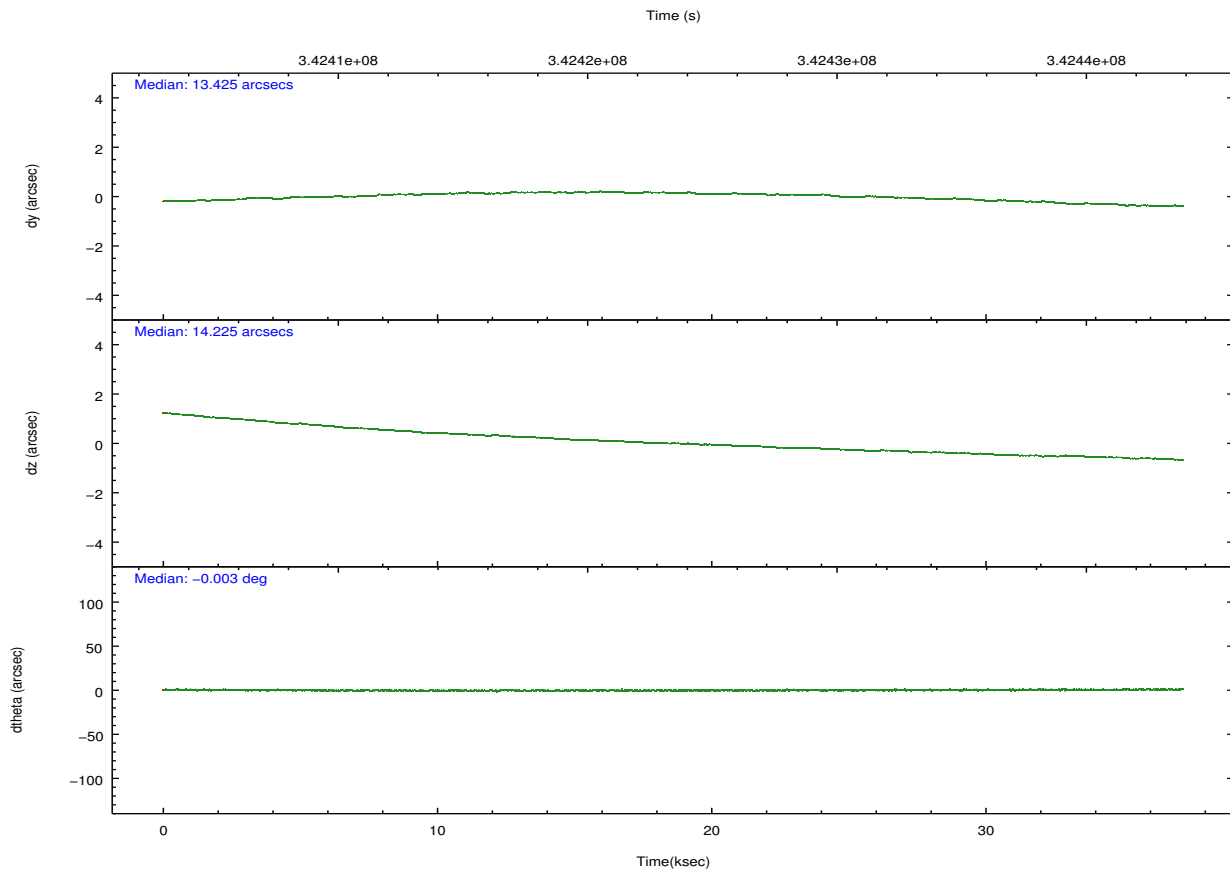
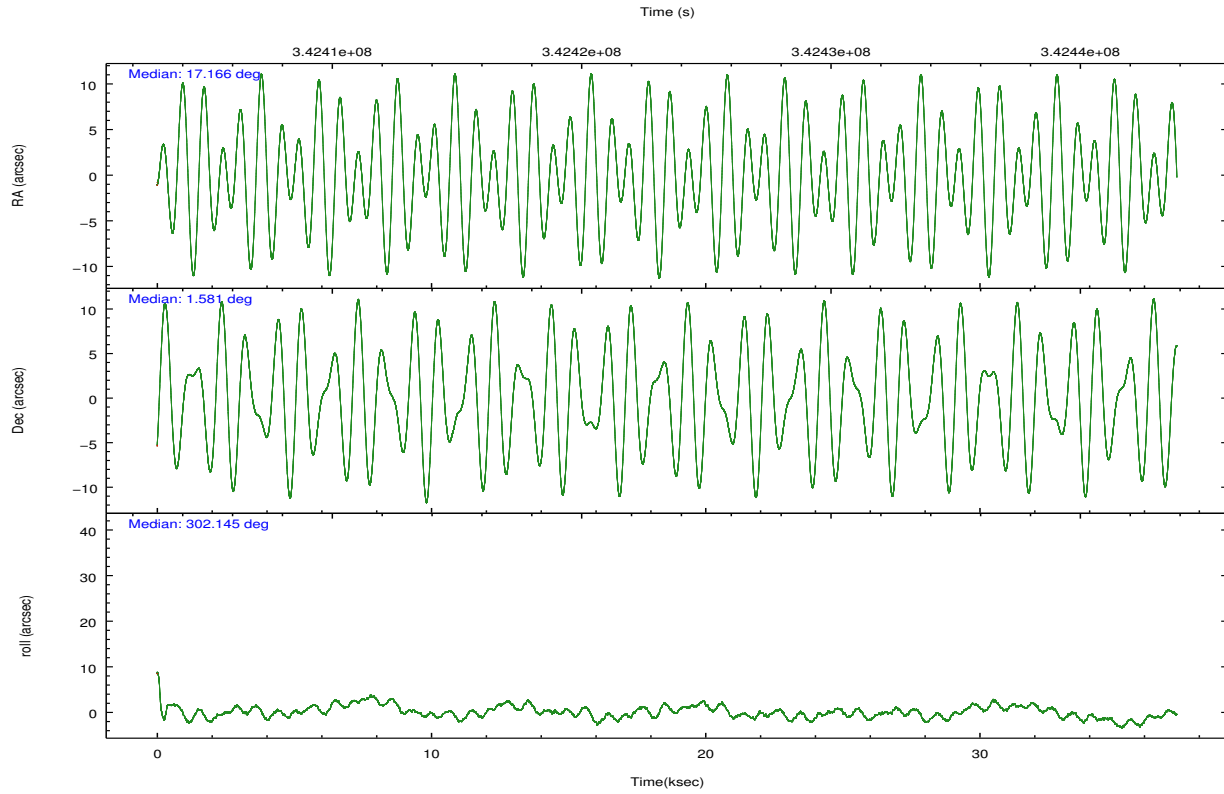
	ccd 7
grade 0 events	4247
	5%
grade 1 events	88
	0%
grade 2 events	7217
	9%
grade 3 events	4566
	6%
grade 4 events	4350
	5%
grade 5 events	6106
	8%
grade 6 events	16531
	22%
grade 7 events	30969
	41%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	17.141669	17.16603007073133	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	1.593721	1.581286227941888	Subarray start row	1	1
[deg] Pointing Roll	302.000557	302.1565097419335	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)	342405014.184000	342403418.61295			
Observation start date	2008-11-07T00:29:09	2008-11-07T00:03:38			
[s] Observation end time (MET)	342442014.184000	342443246.52742			
Observation end date	2008-11-07T10:45:49	2008-11-07T11:07:26			
Read mode	TIMED	TIMED			

2.3 Aspect



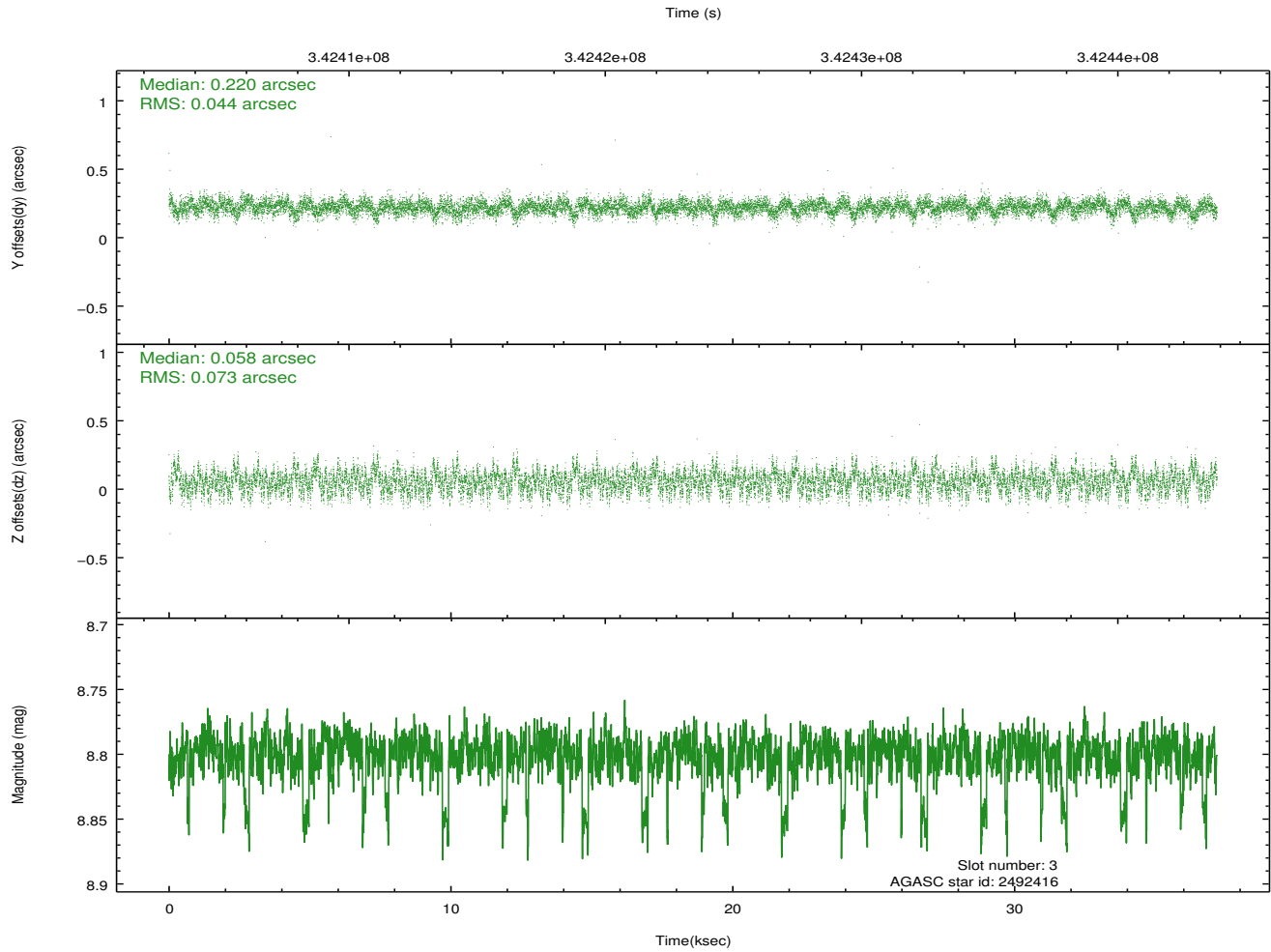
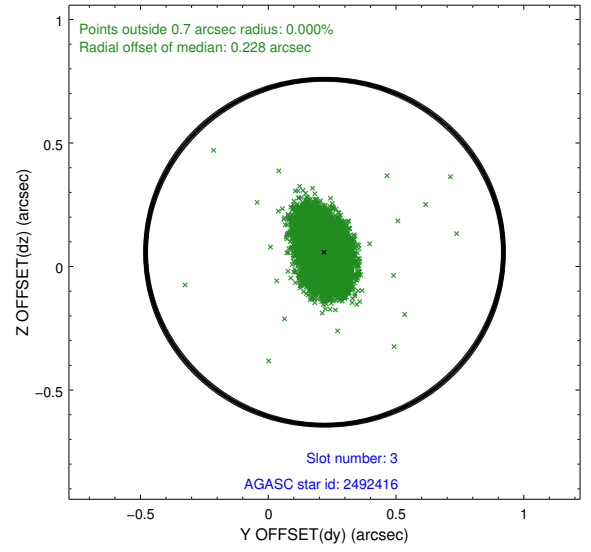
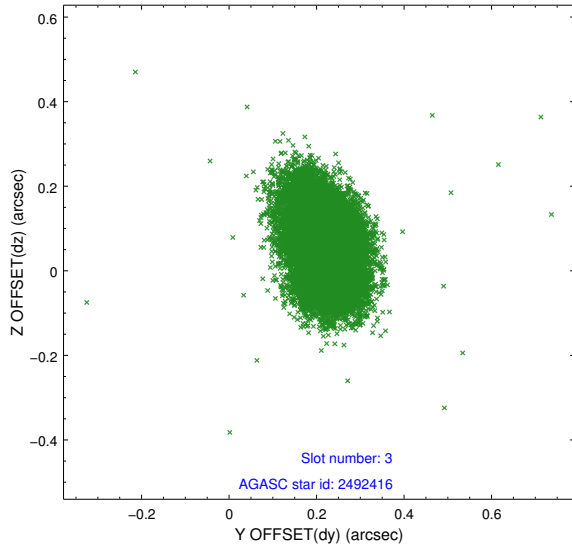


Slot Statistics

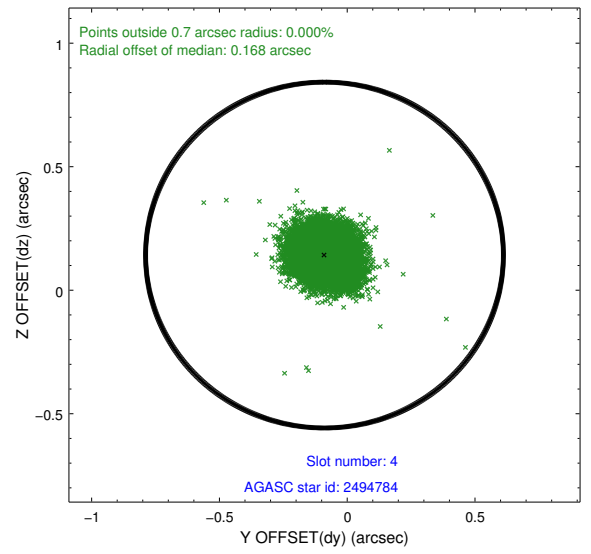
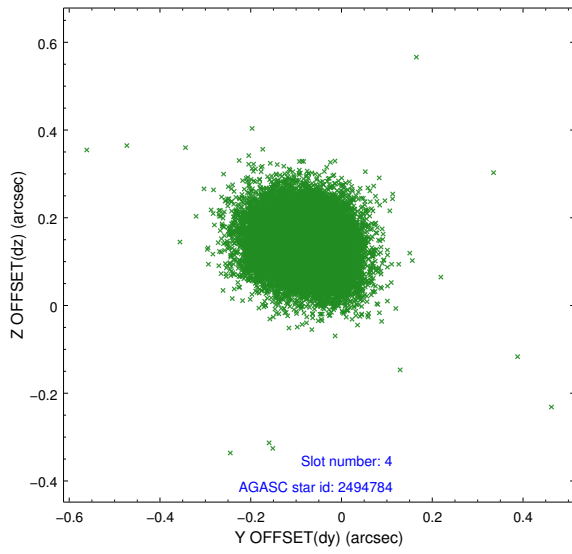
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.99	9070	0.153	0.066	0.010	0.019	0.000000	0.000000	930.57	-1951.38
1	FID	ACIS-S-5	7.04	9071	-0.138	0.164	0.009	0.017	0.000000	0.000000	-1818.62	-53.69
2	FID	ACIS-S-6	7.20	9071	-0.036	-0.220	0.011	0.017	0.000000	0.000000	396.01	589.83
3	GUIDE	2492416	8.80	18123	0.220	0.058	0.089	0.152	16.803588	1.355176	84.24	-1486.31
4	GUIDE	2494784	9.07	18129	-0.089	0.142	0.086	0.141	16.552098	1.950471	-2212.41	-1117.62
5	GUIDE	2495584	9.12	18117	-0.080	-0.024	0.095	0.153	17.258321	2.240143	-1751.19	1588.78
6	GUIDE	2496872	8.83	18130	0.006	-0.114	0.079	0.127	16.933662	1.413437	154.36	-978.13
7	GUIDE	2500304	8.64	18129	-0.055	-0.053	0.087	0.137	16.571799	1.448277	-642.23	-2016.28

2.4 Star Slots

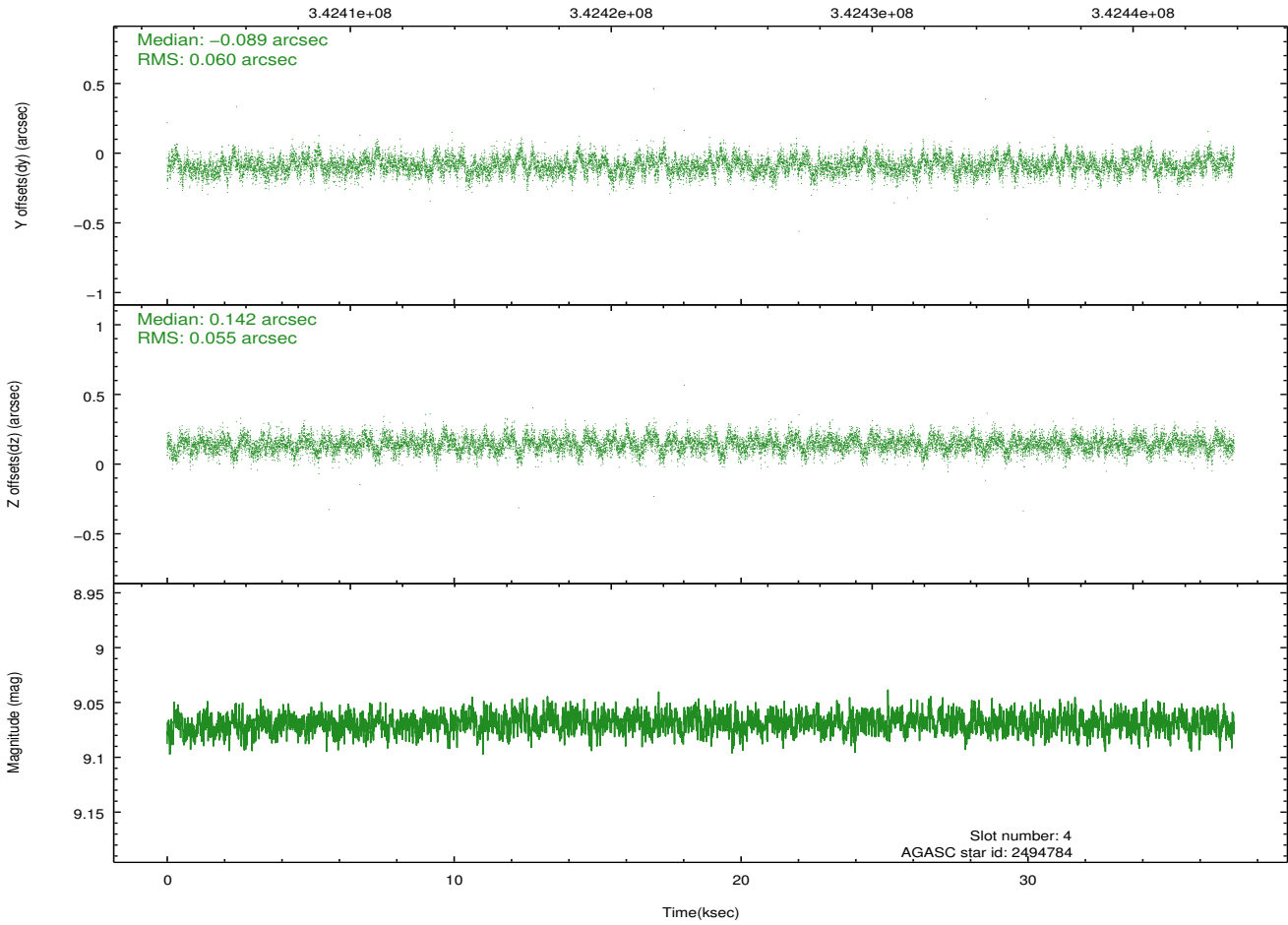
2.4.1 Slot 3



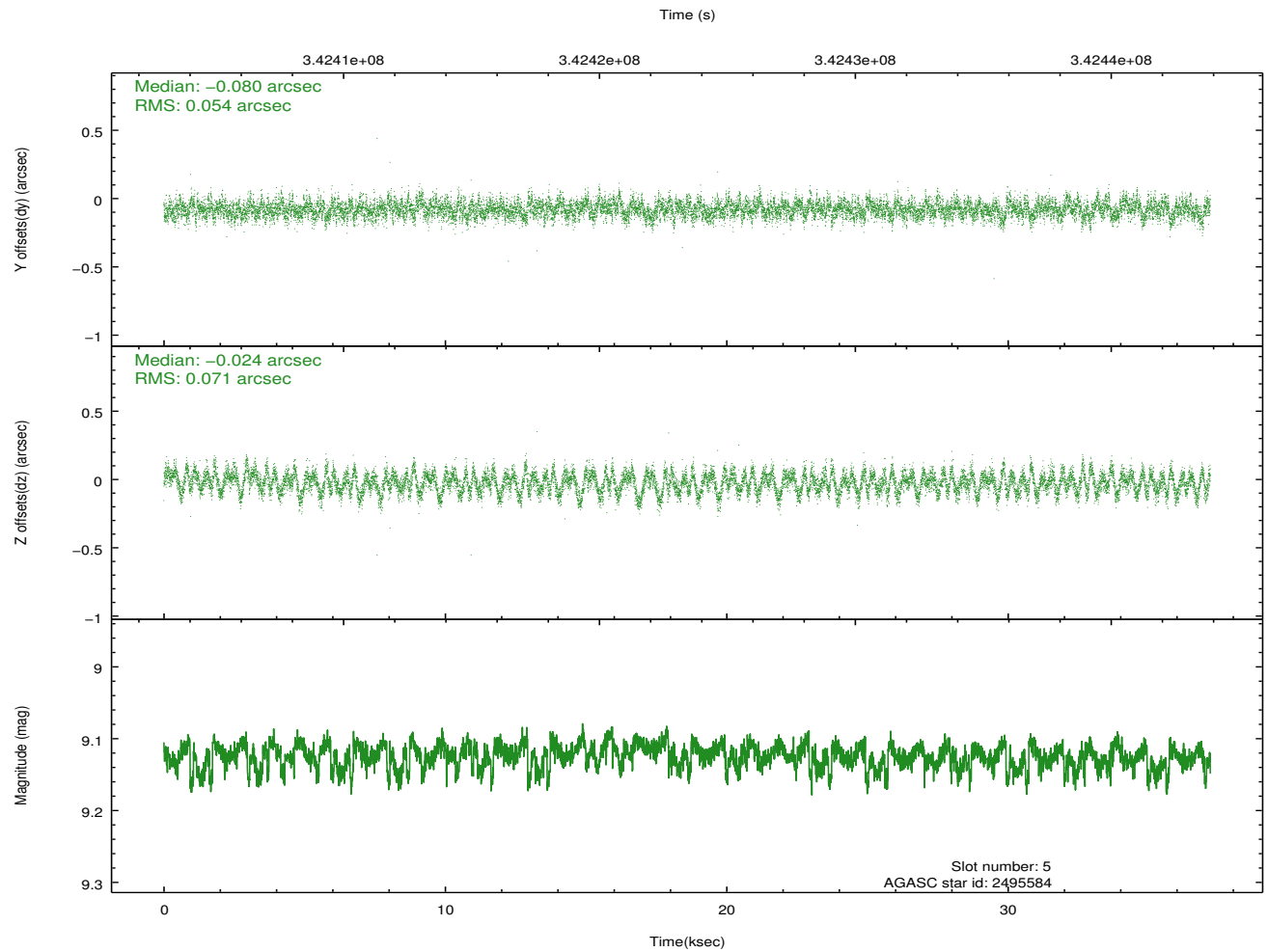
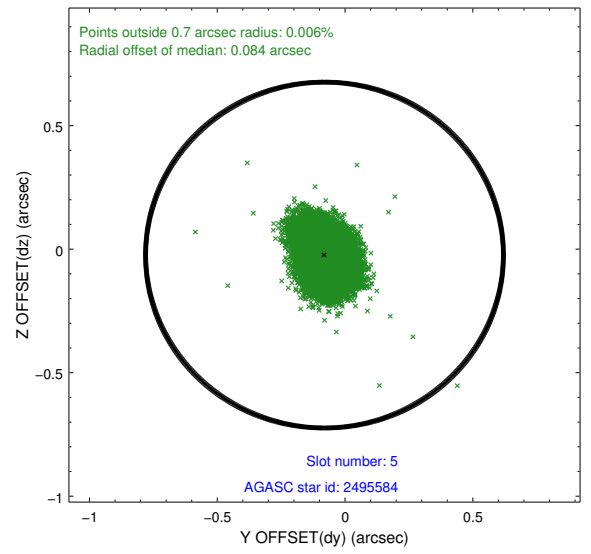
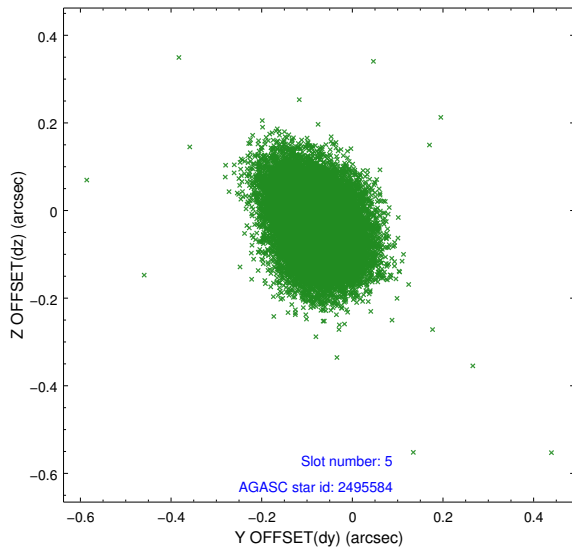
2.4.2 Slot 4



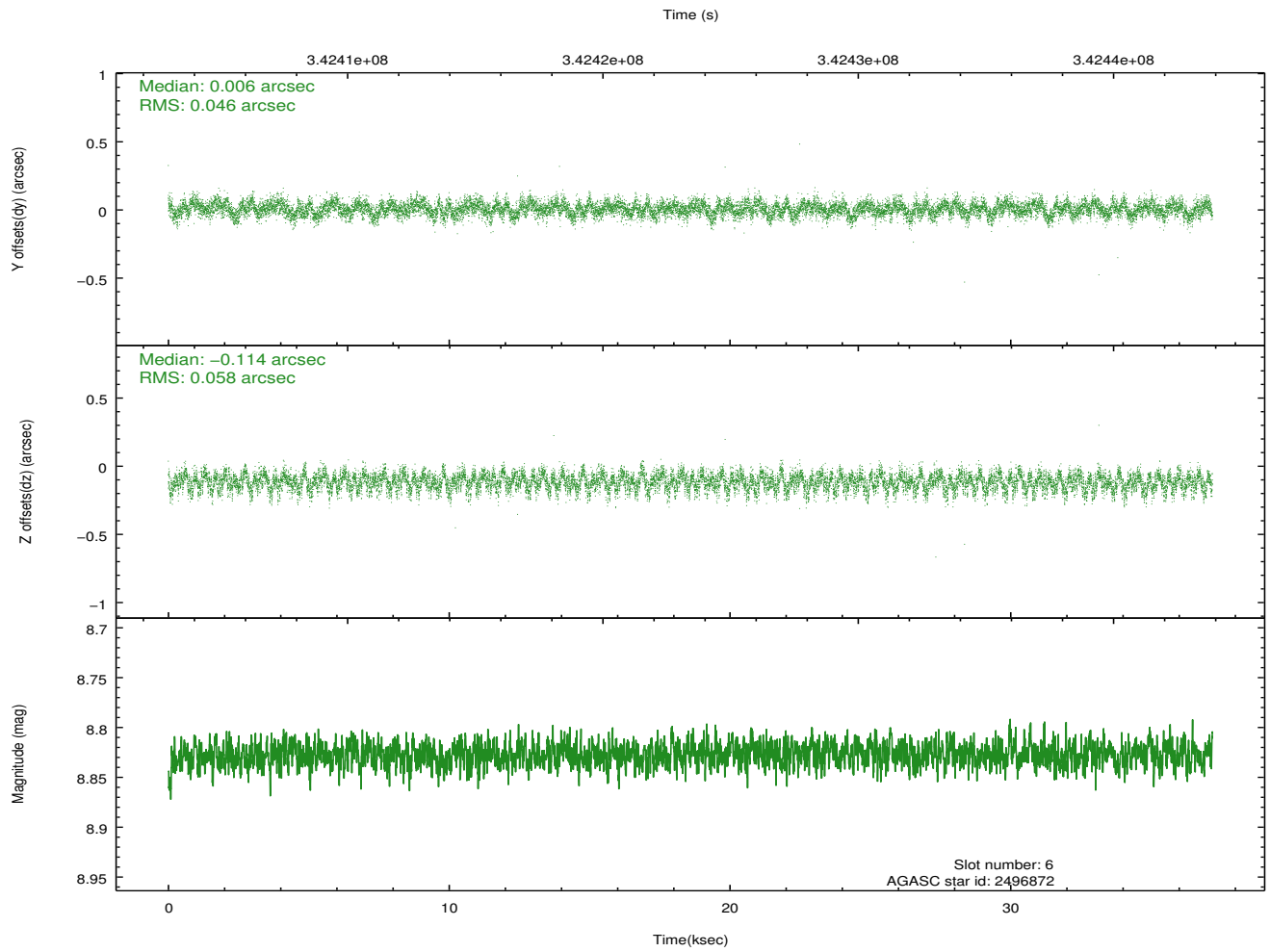
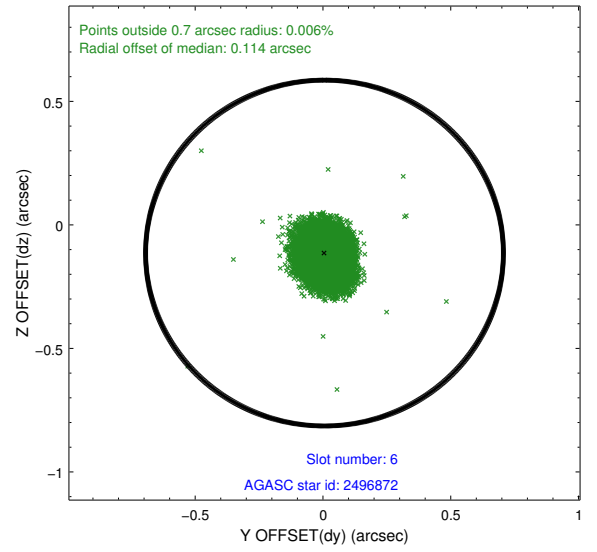
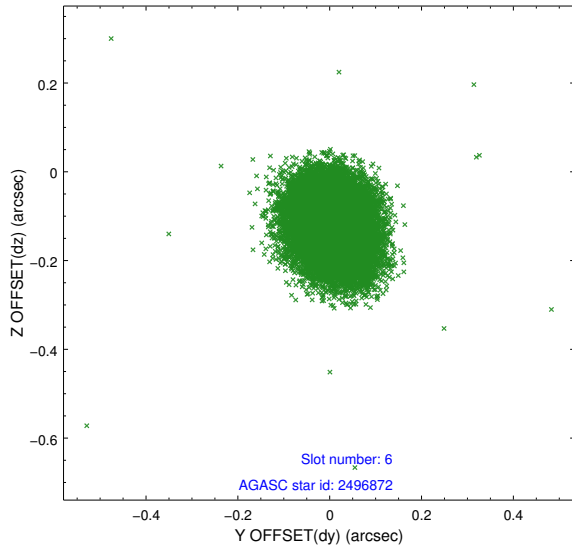
Time (s)



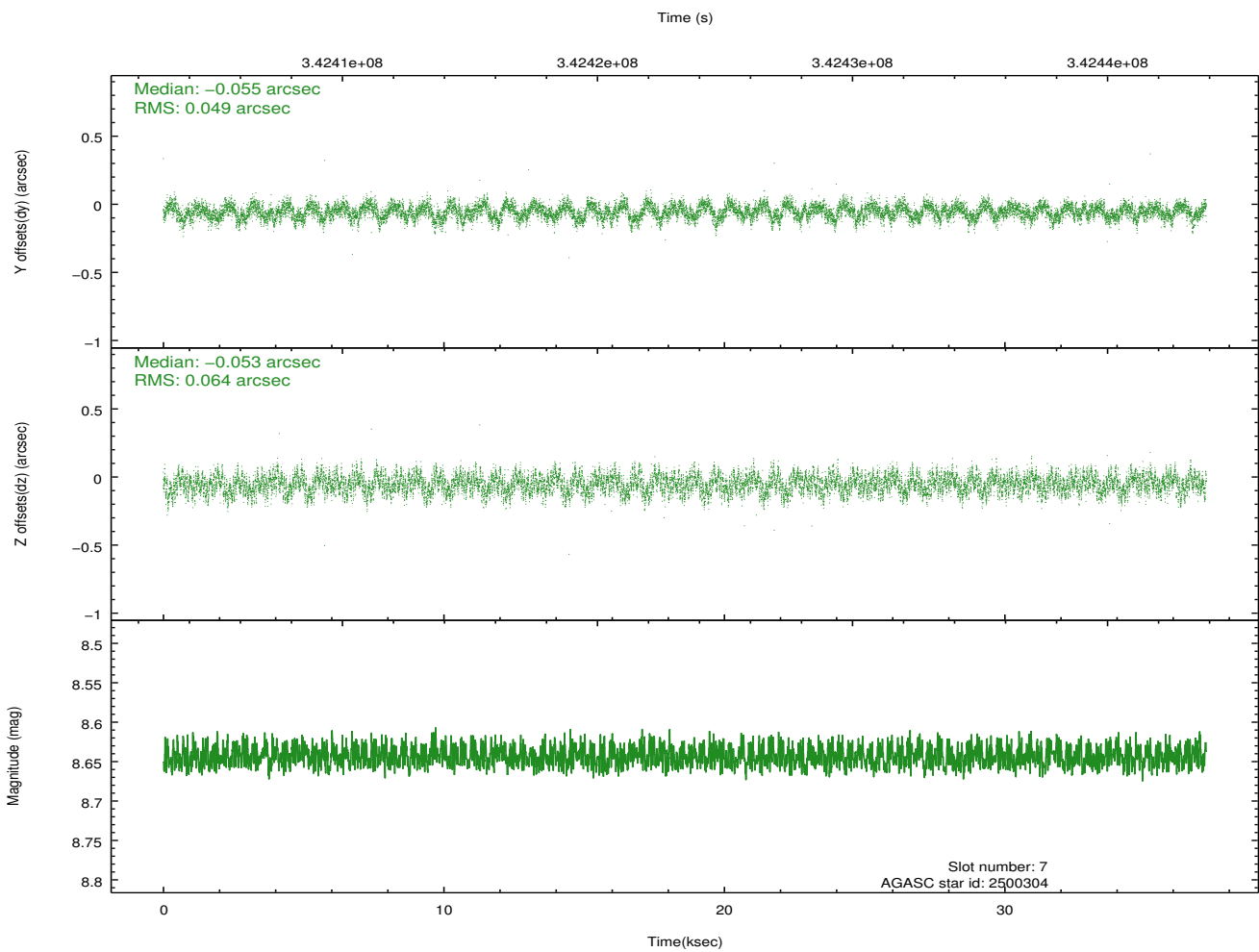
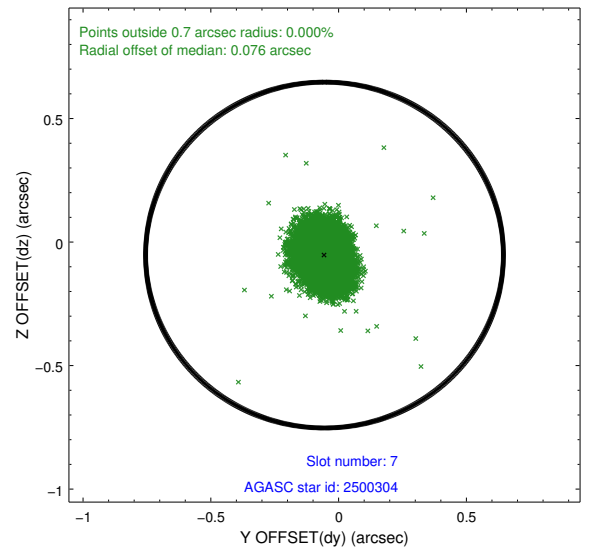
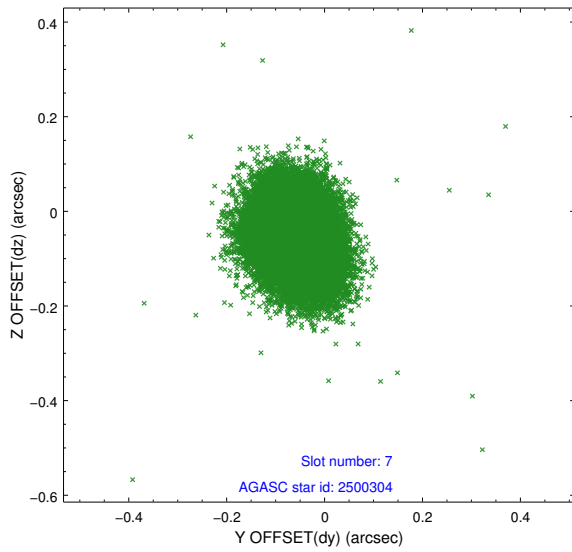
2.4.3 Slot 5



2.4.4 Slot 6

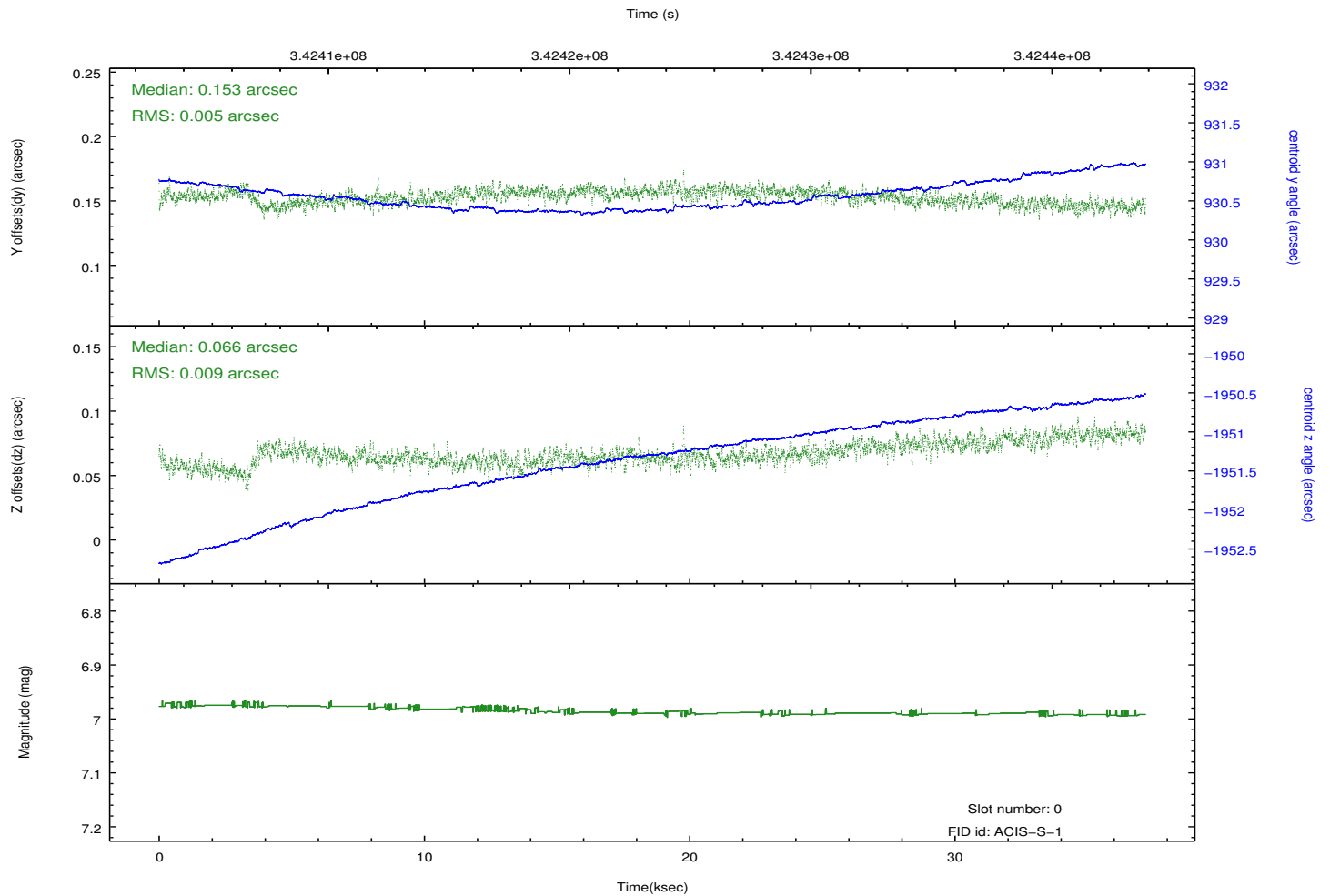
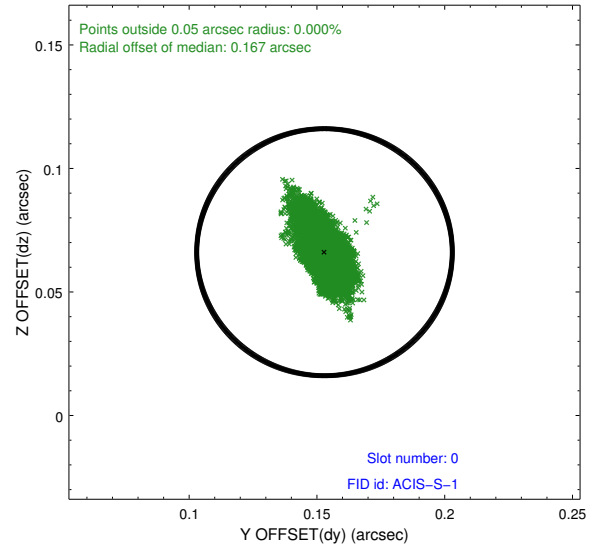
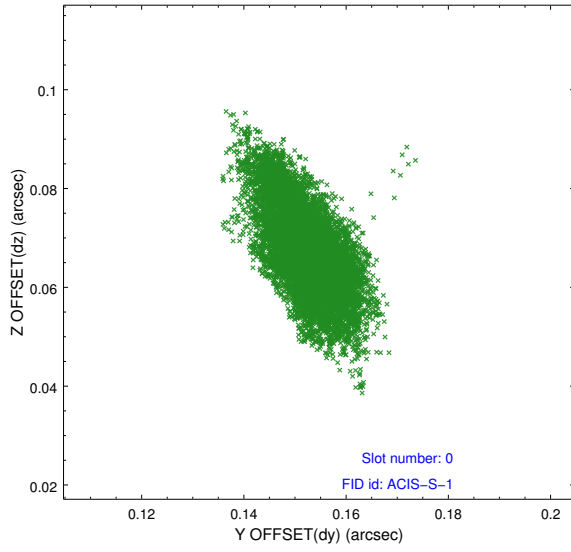


2.4.5 Slot 7

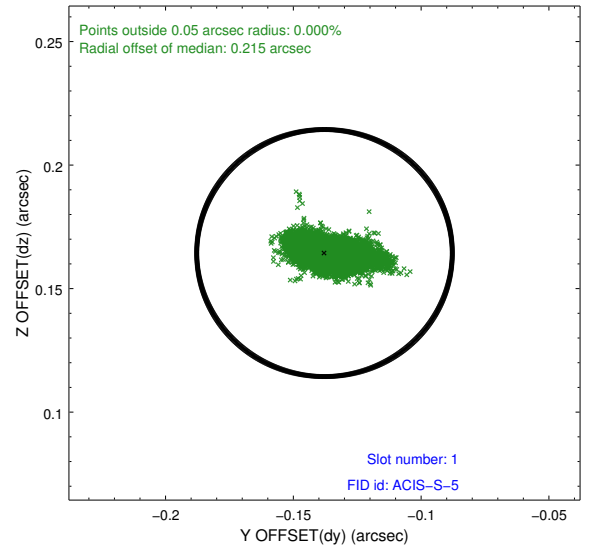
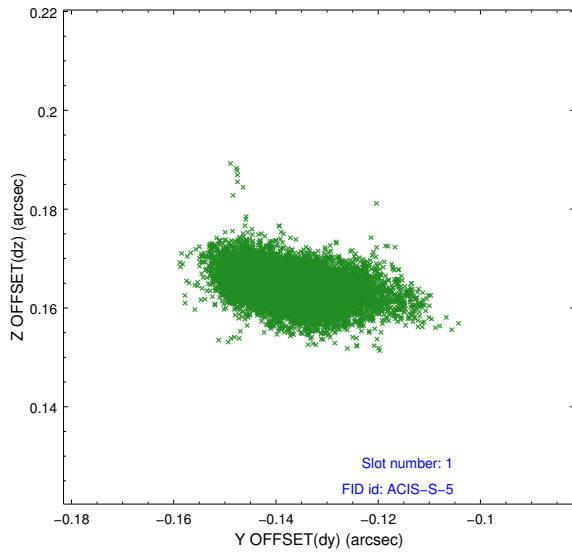


2.5 FID Slots

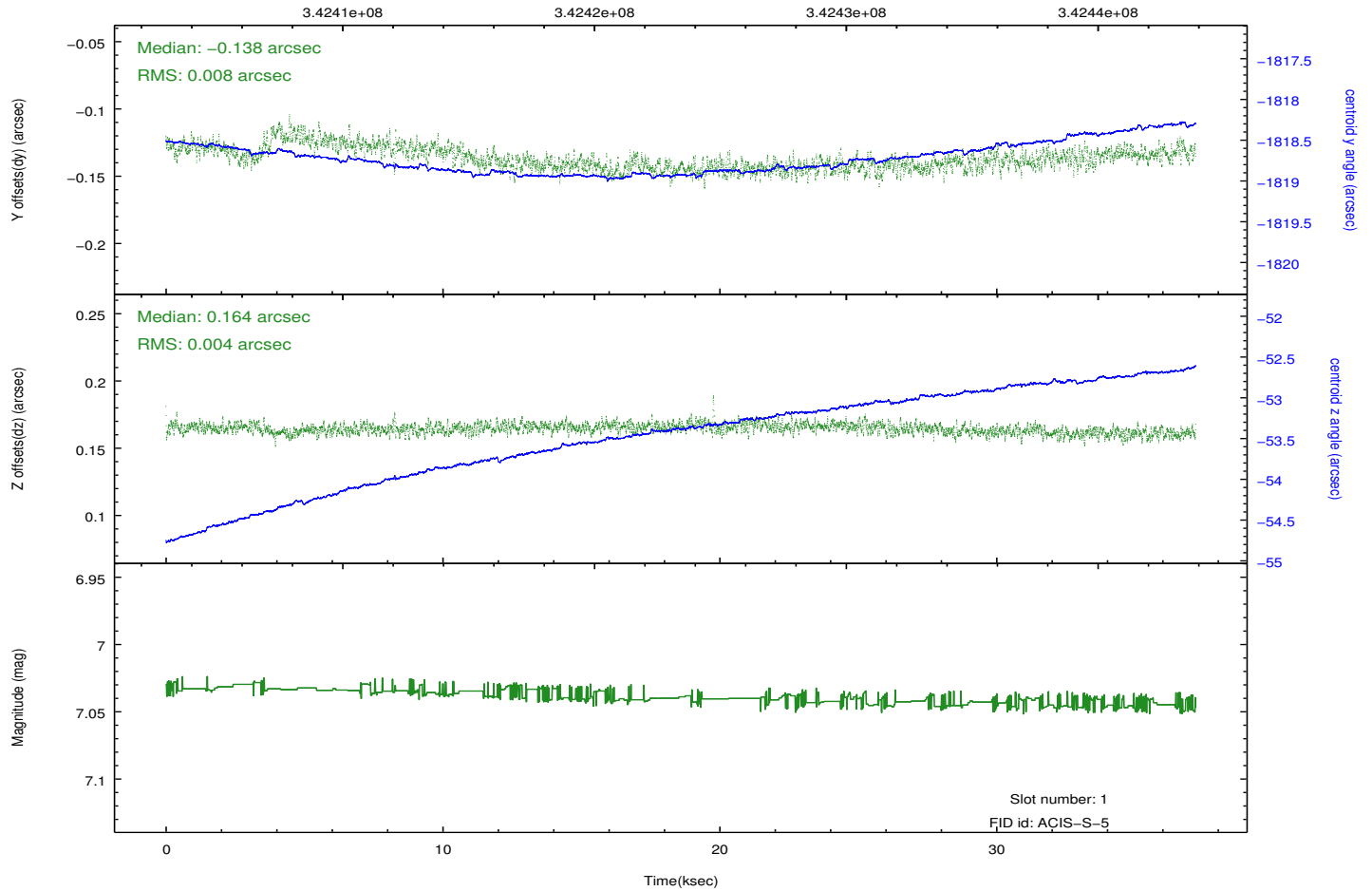
2.5.1 Slot 0



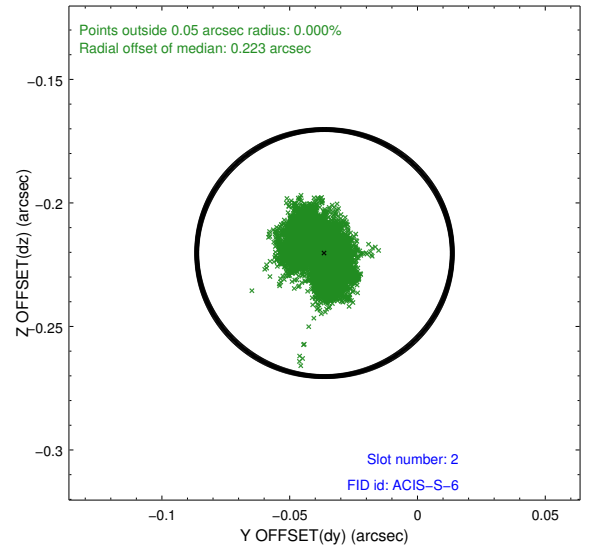
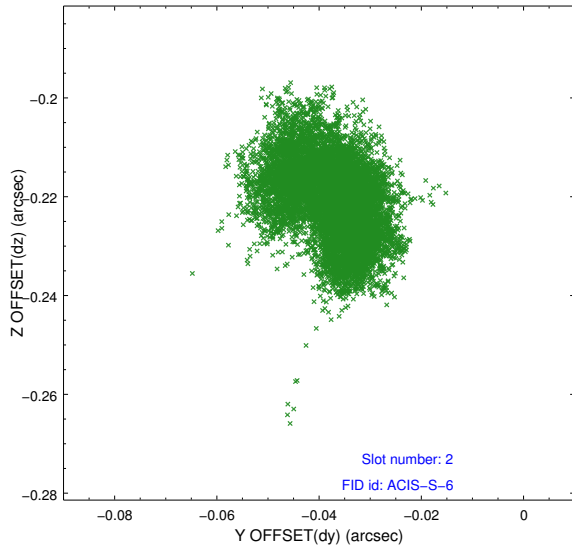
2.5.2 Slot 1



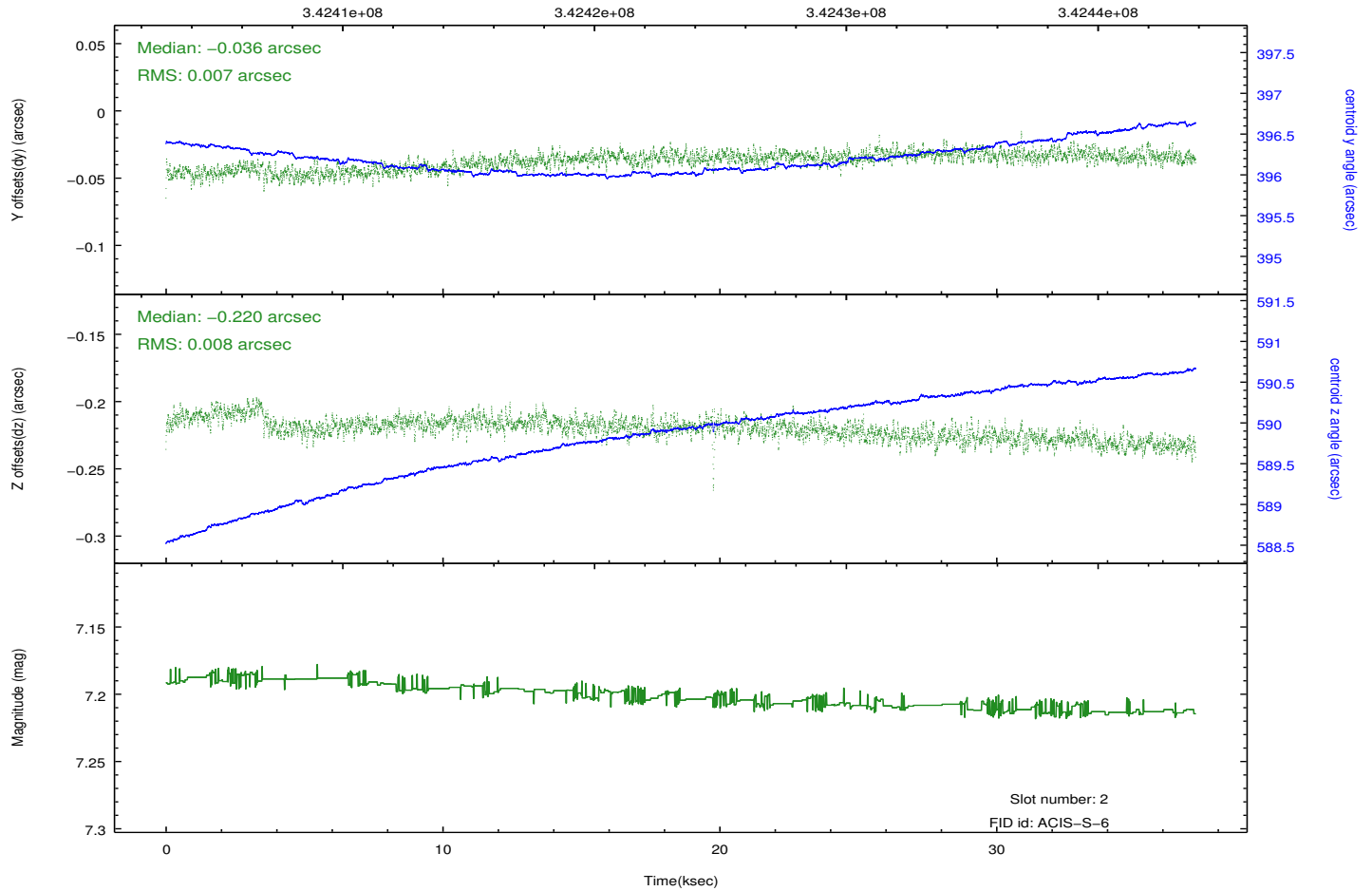
Time (s)



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	37.1879977

A.2 Comments

Joint proposal with HST.