

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9182 - L2 Version 2
Chandra X-Ray Center

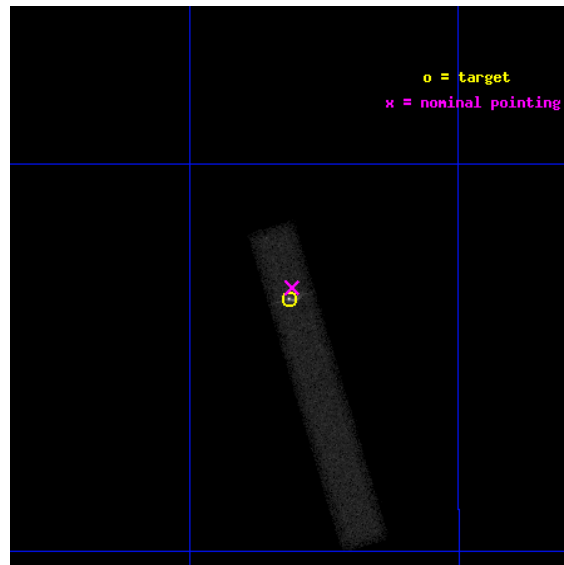
L2 Processing Date : May 6 2012

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1 Front

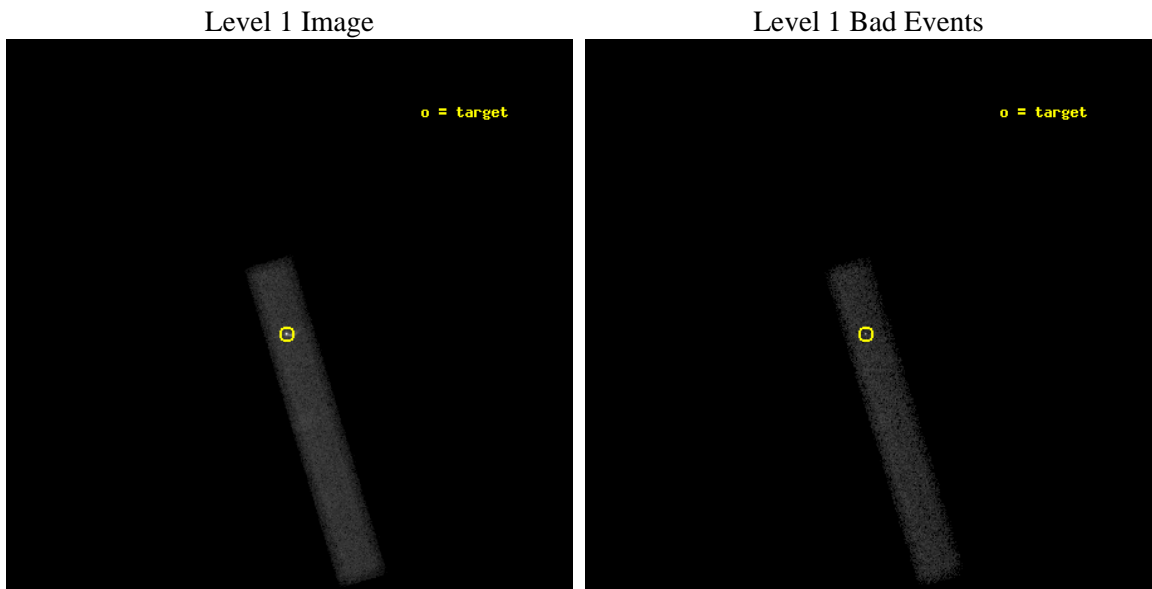
seq_num	701624	Sequence number
obs_id	9182	Observation id
title	Velocity Gradients in the Jets of BL Lac Objects	Proposal title
observer	Professor Alan Marscher	Principal investigator
object	OJ287	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	133.70375	Observer's specified target RA [deg]
dec_targ	20.1085	Observer's specified target Dec [deg]
ra_nom	133.70242839725	Nominal RA [deg]
dec_nom	20.113185752415	Nominal Dec [deg]
roll_nom	73.157093740141	Nominal Roll [deg]
revision	2	Processing version of data
ontime	49971.597021461	Sum of GTIs [s]
livetime	45321.600781299	Livetime [s]
ontime7	49971.597021461	Sum of GTIs [s]
l2events	63328	Number of level 2 events



2 OBI

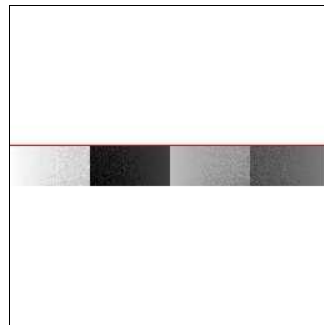
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	49800.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	49971.597021461	Sum of GTIs [s]
caldbver	4.4.9	 	ontime7	49971.597021461	Sum of GTIs [s]
date	2012-05-06T17:13:50	Date and time of file creation	l1events	115300	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

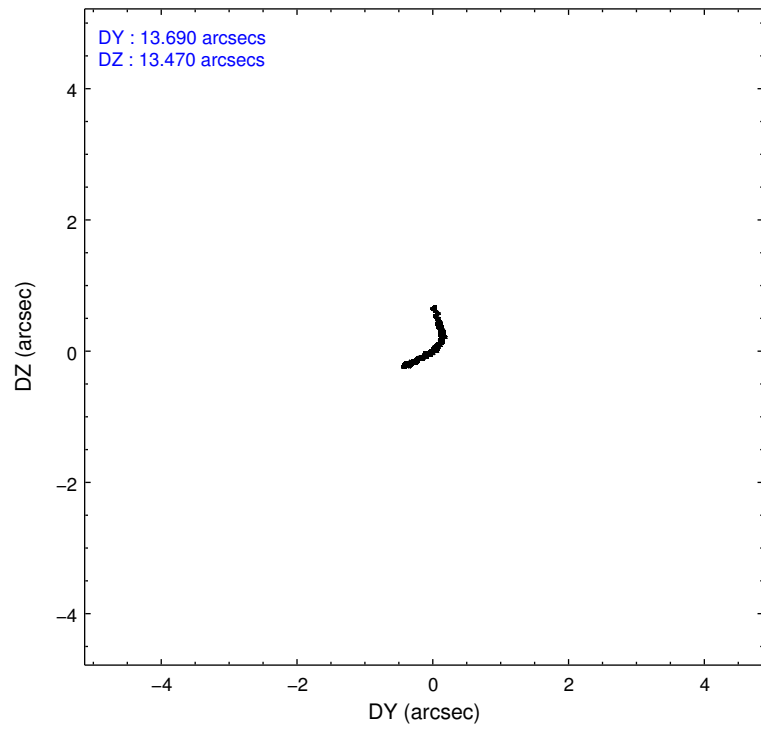
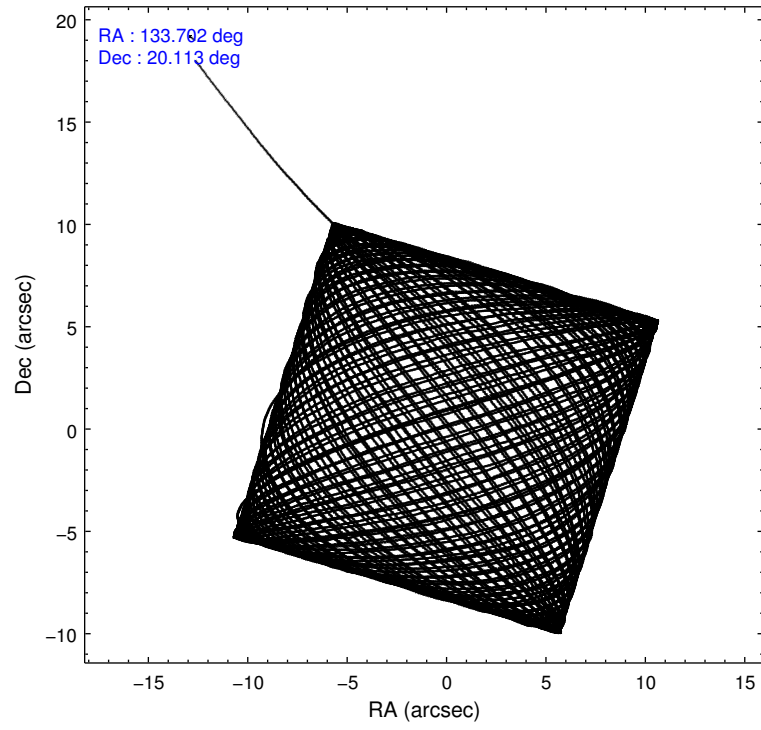
	ccd 7
level 1 events	115300
rejected events	50410
rejected %	43%

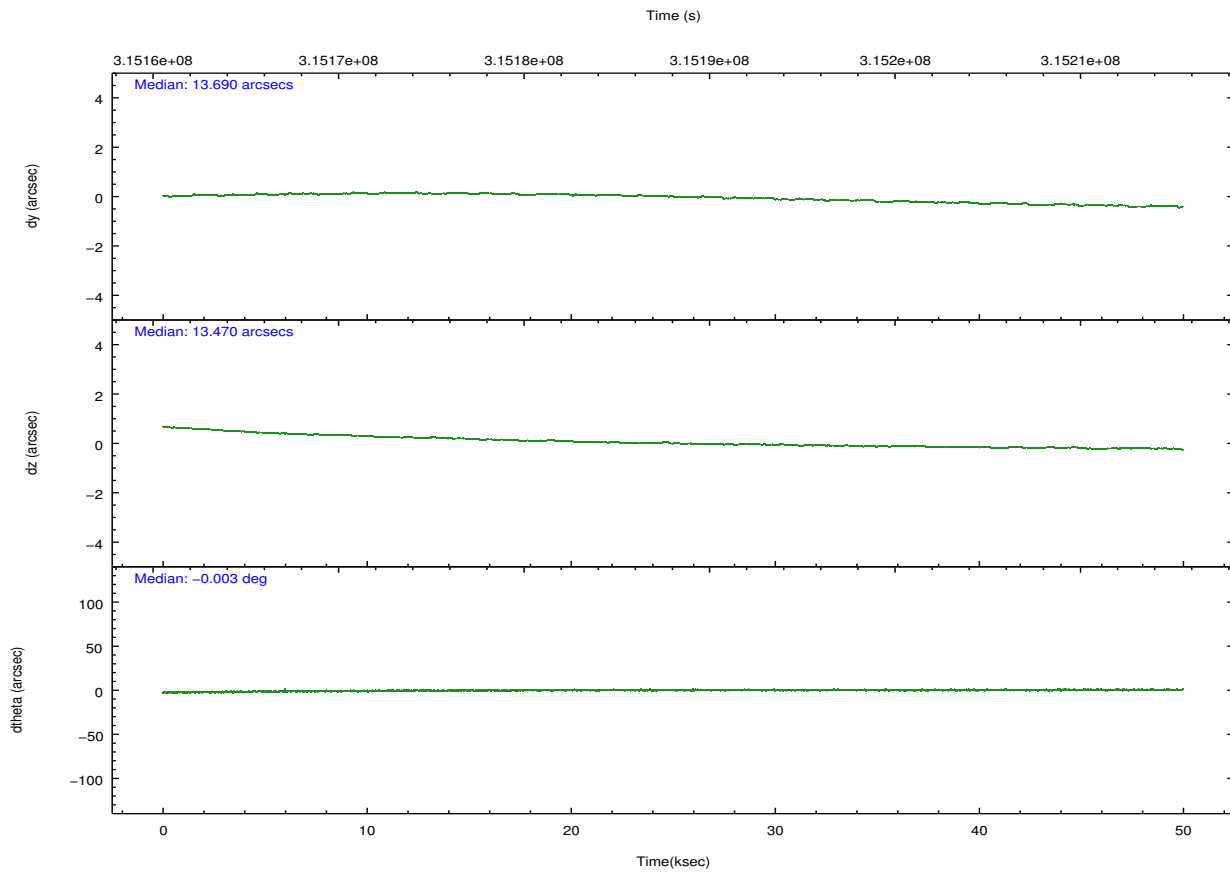
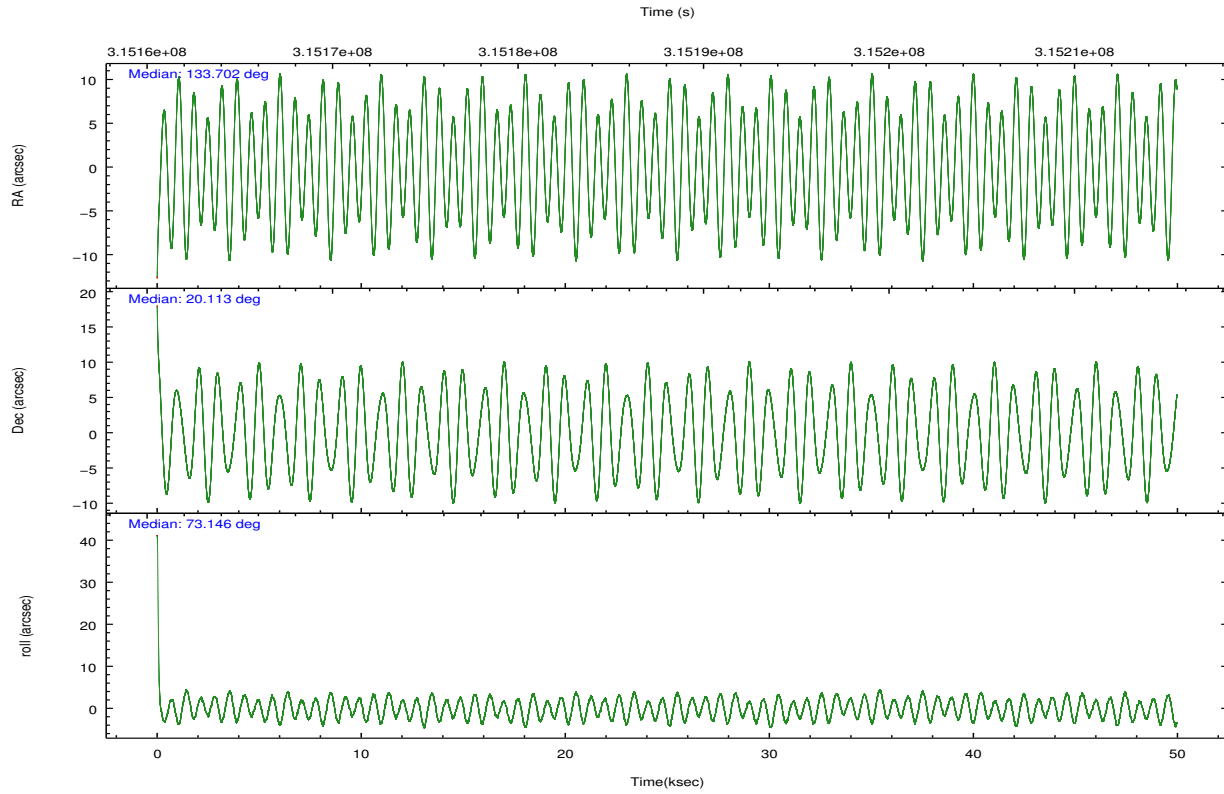
	ccd 7
grade 0 events	10760
	9%
grade 1 events	191
	0%
grade 2 events	14082
	12%
grade 3 events	7998
	6%
grade 4 events	7786
	6%
grade 5 events	8805
	7%
grade 6 events	25022
	21%
grade 7 events	40656
	35%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	133.709443	133.70242839725	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	20.086650	20.11318575241464	Subarray start row	449	449
[deg] Pointing Roll	72.998050	73.15709374014074	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	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	315163214.184000	315162156.50994			
Observation start date	2007-12-27T17:19:09	2007-12-27T17:02:36			
[s] Observation end time (MET)	315213014.184000	315213320.41242			
Observation end date	2007-12-28T07:09:09	2007-12-28T07:15:20			
Read mode	TIMED	TIMED			

2.3 Aspect



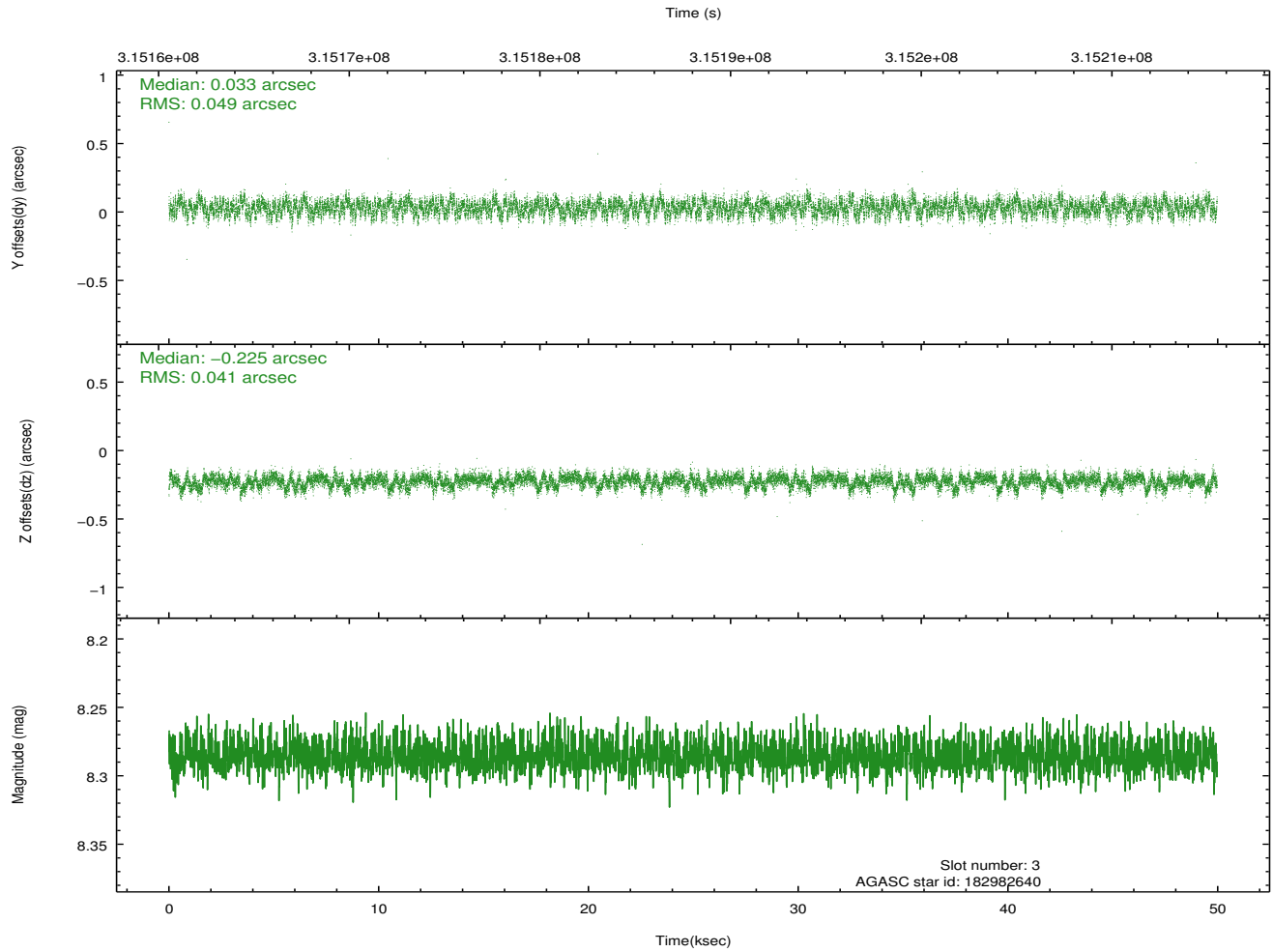
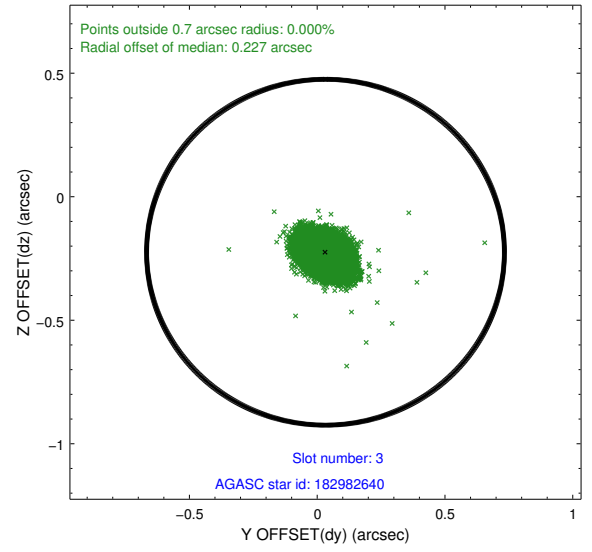
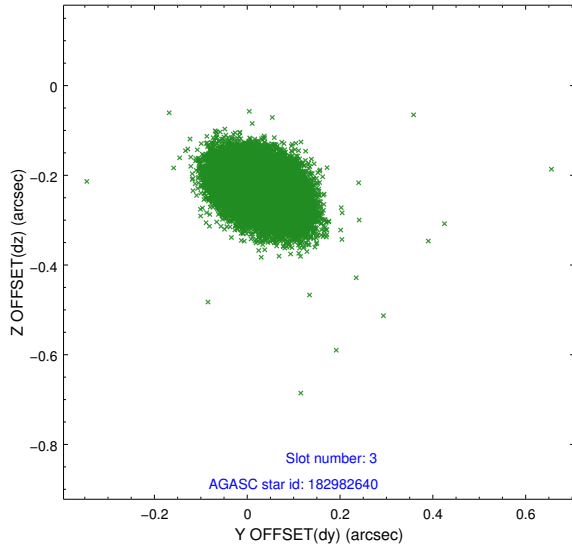


Slot Statistics

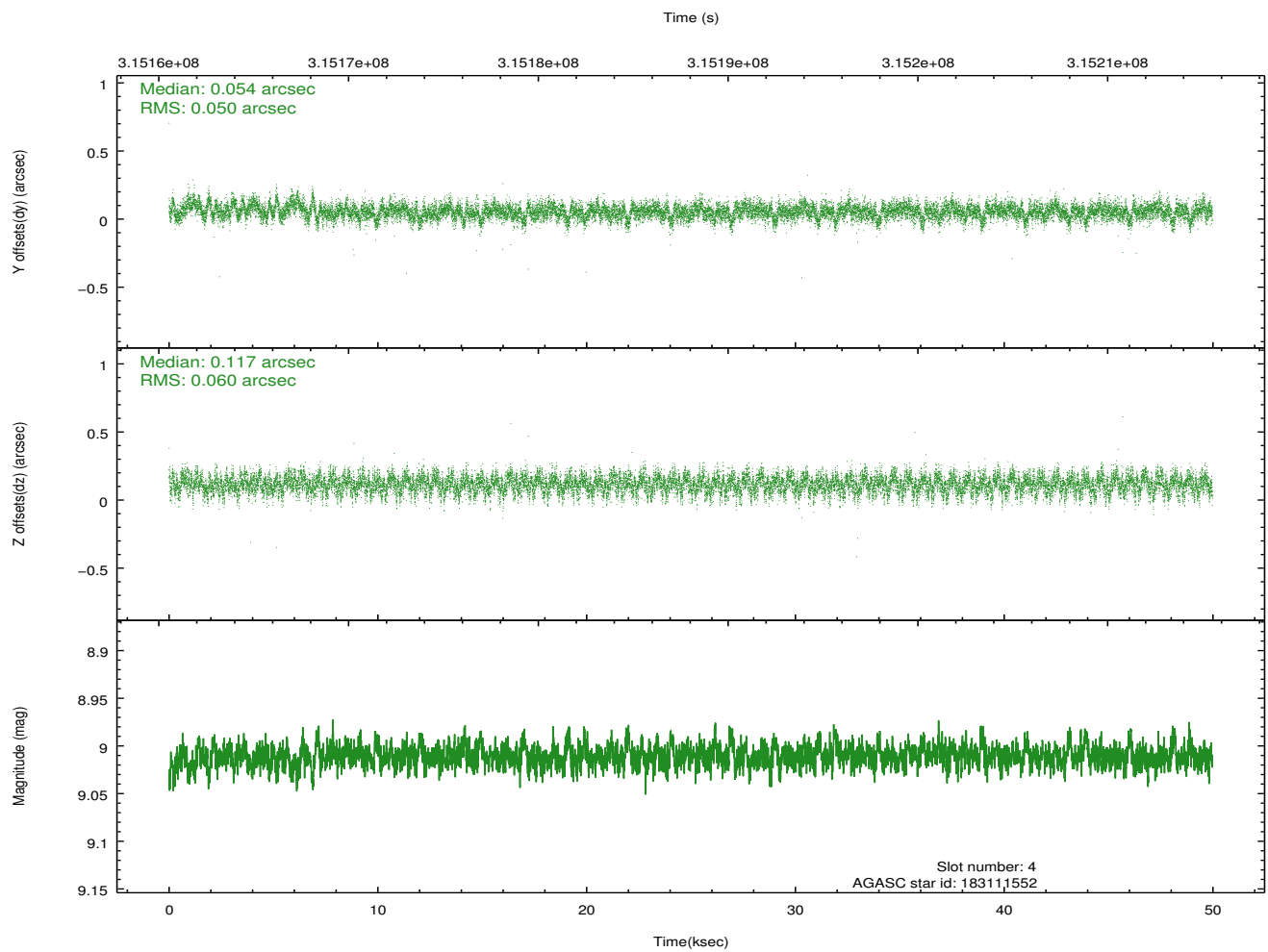
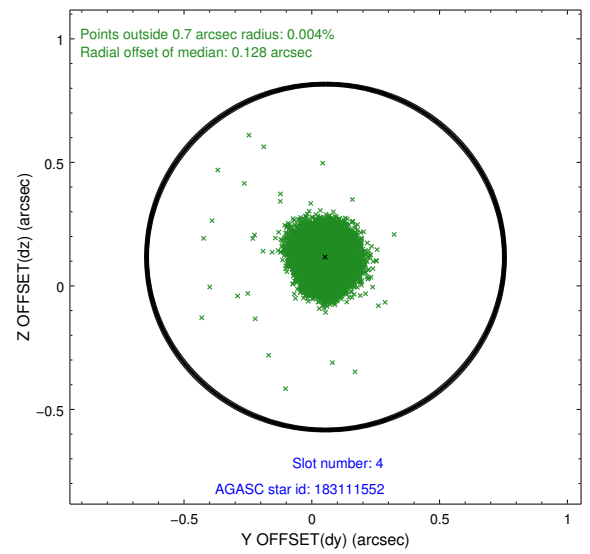
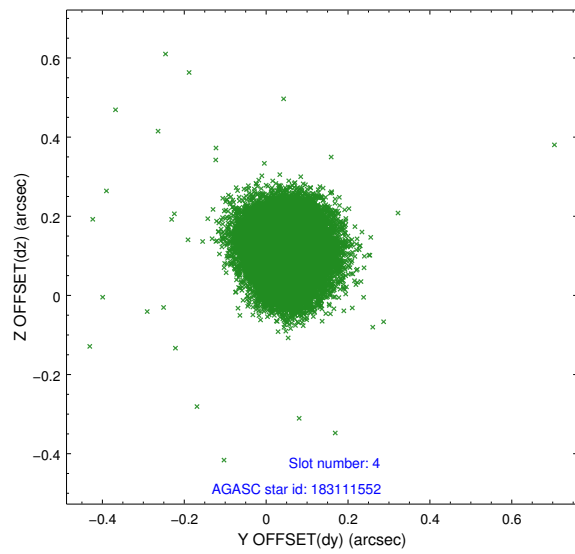
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	12189	-0.039	-0.054	0.011	0.017	0.000000	0.000000	-766.61	-1734.88
1	FID	ACIS-S-4	7.19	12188	0.167	0.034	0.012	0.021	0.000000	0.000000	2146.89	173.69
2	FID	ACIS-S-5	7.22	12189	-0.158	0.030	0.008	0.013	0.000000	0.000000	-1819.58	167.37
3	GUIDE	182982640	8.28	24366	0.033	-0.225	0.067	0.110	133.006651	19.807837	-1651.21	1984.07
4	GUIDE	183111552	9.01	24360	0.054	0.117	0.083	0.133	133.787288	19.865604	-683.56	-484.28
5	GUIDE	183120704	8.94	24364	-0.027	0.053	0.072	0.116	133.849886	19.699876	-1191.82	-862.29
6	GUIDE	183504312	8.94	24360	0.153	0.014	0.082	0.131	133.915326	20.004730	-77.53	-751.84
7	GUIDE	183504552	8.34	24370	-0.210	0.048	0.084	0.138	134.238383	20.199814	915.21	-1588.72

2.4 Star Slots

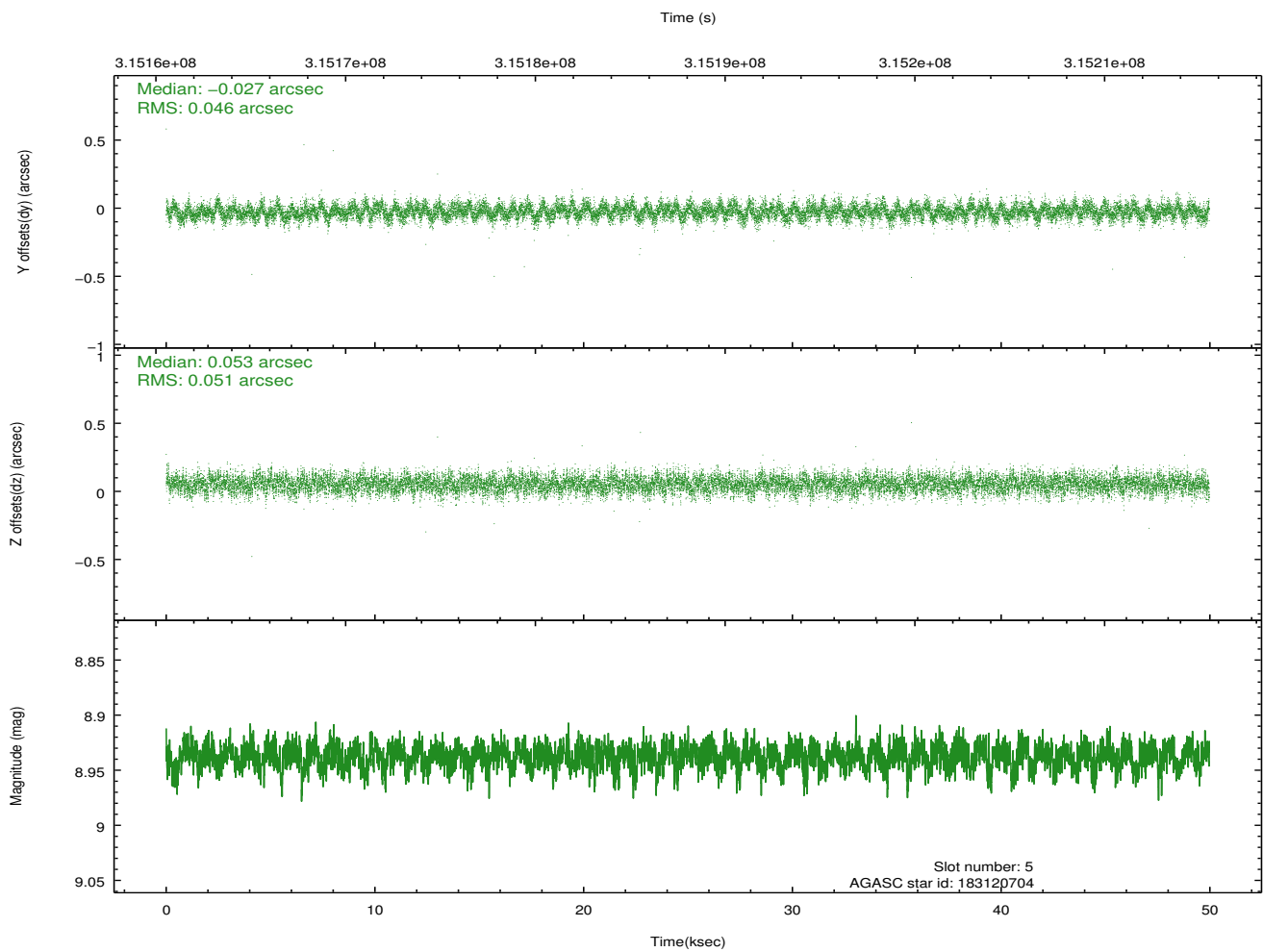
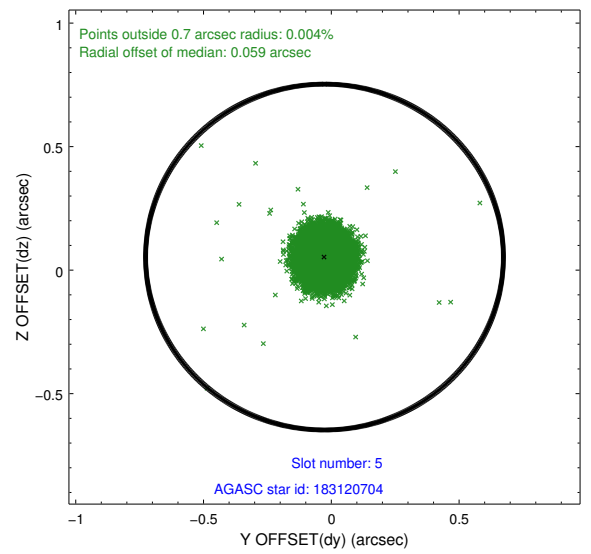
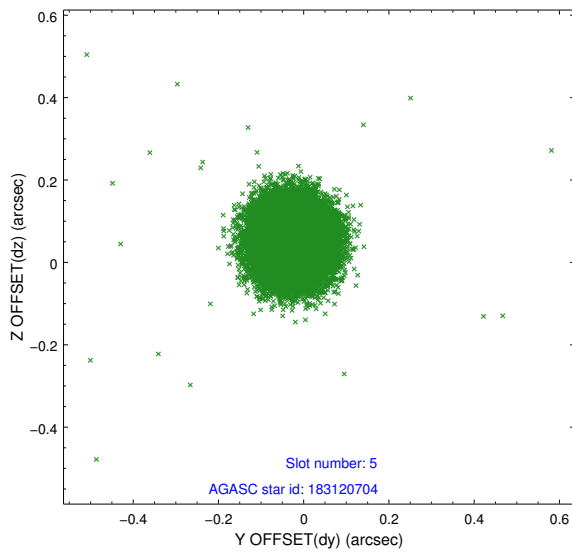
2.4.1 Slot 3



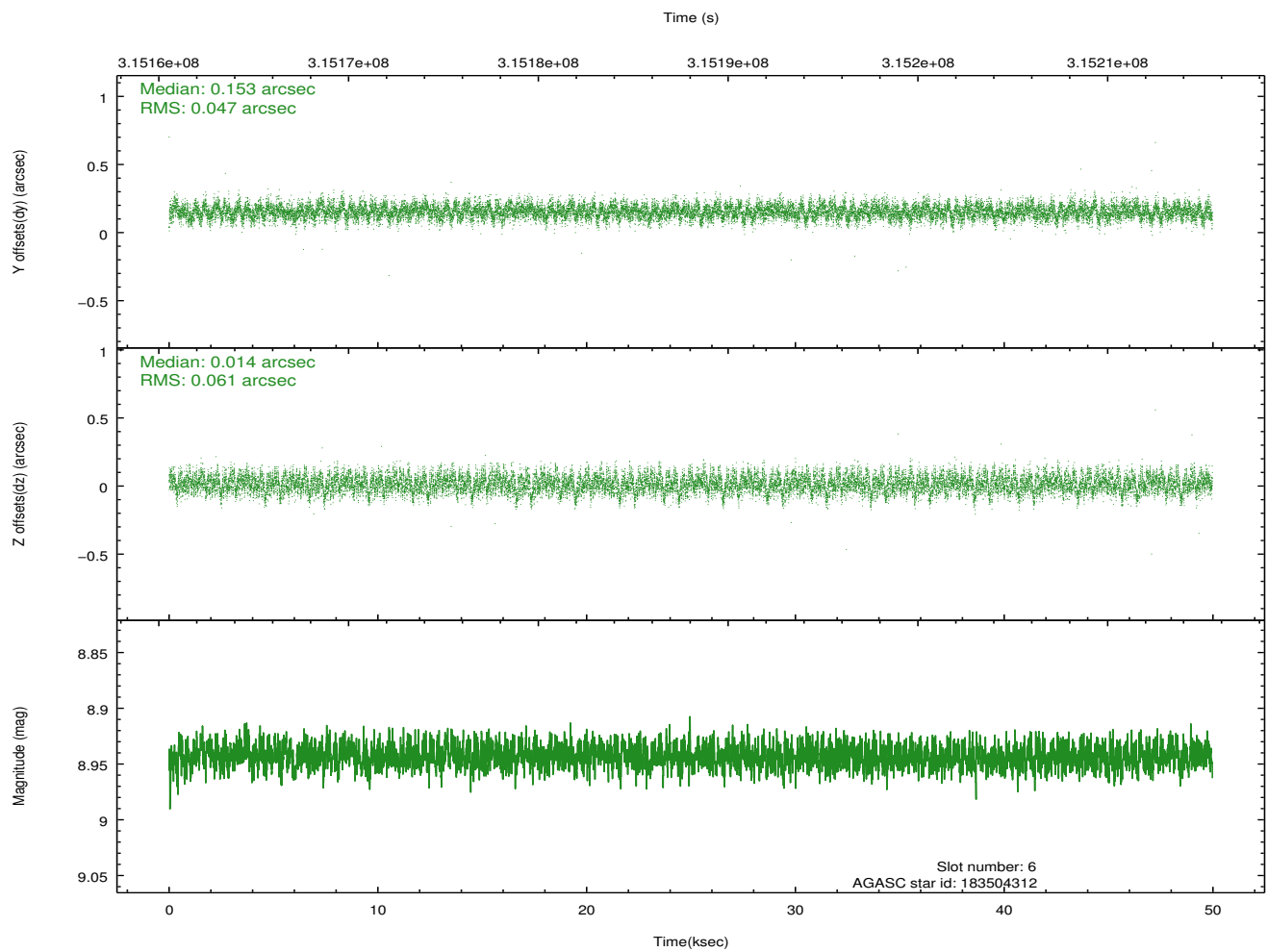
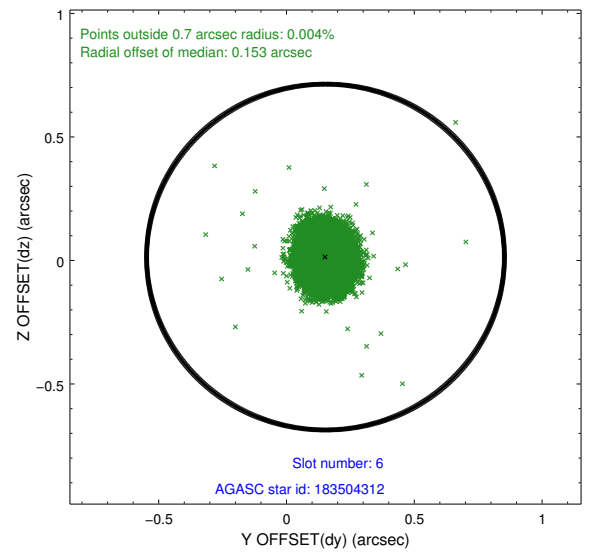
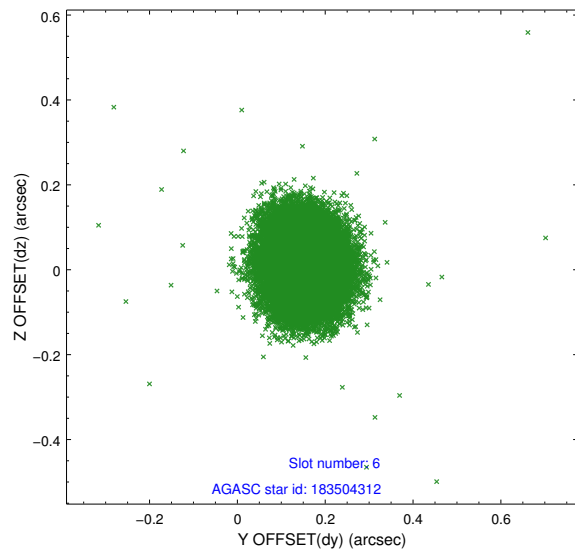
2.4.2 Slot 4



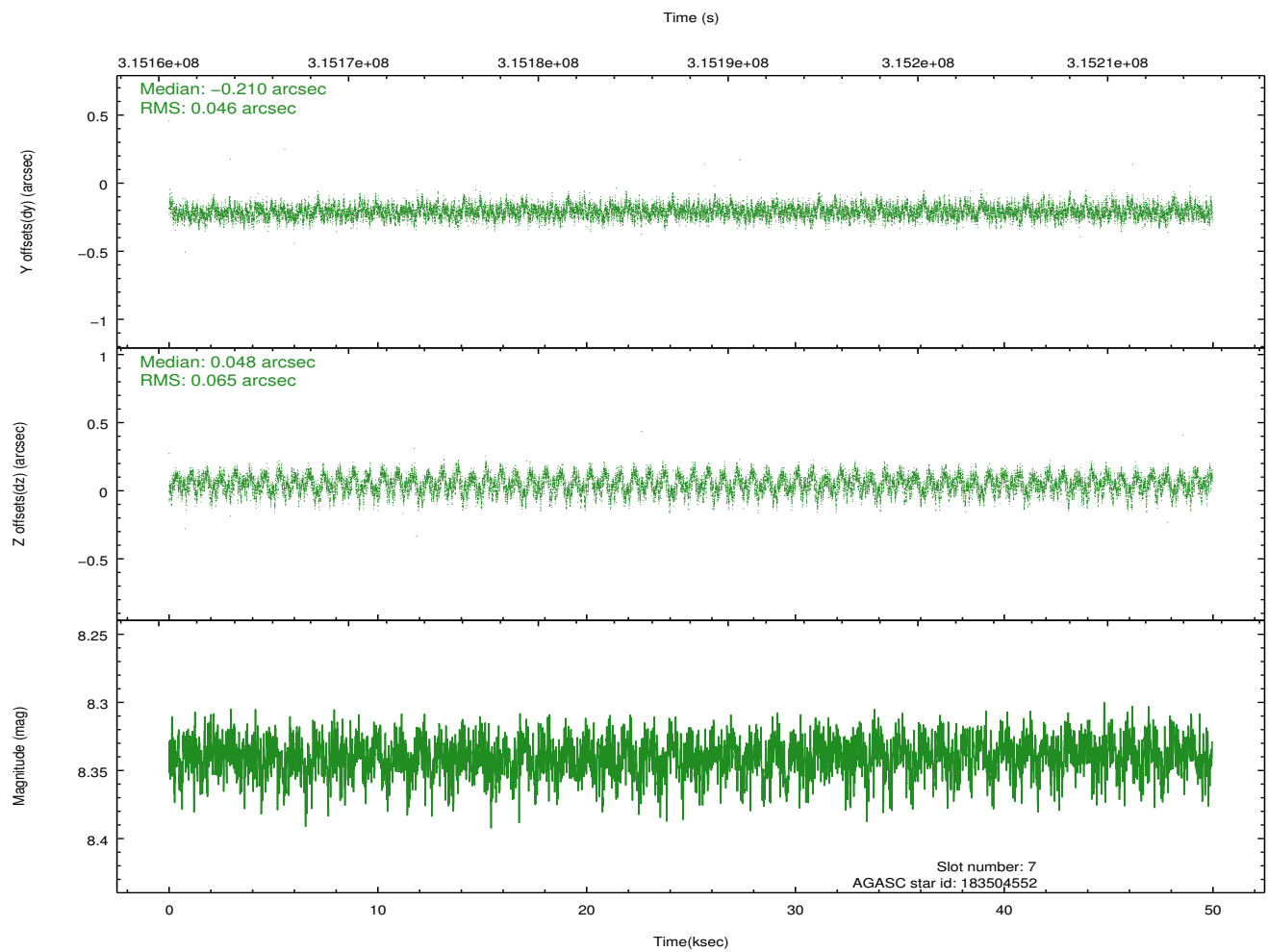
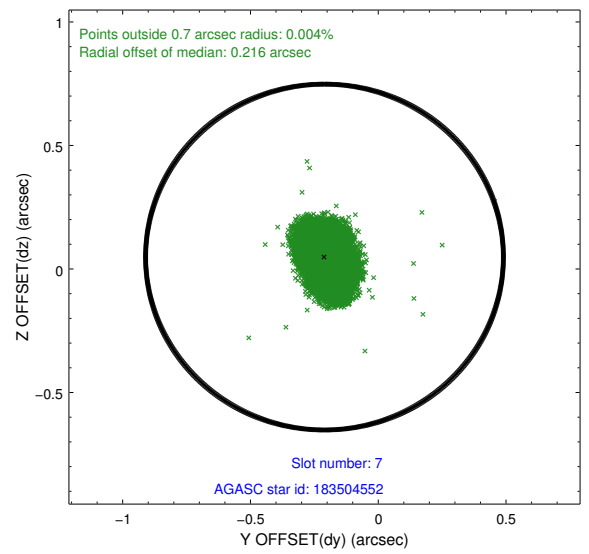
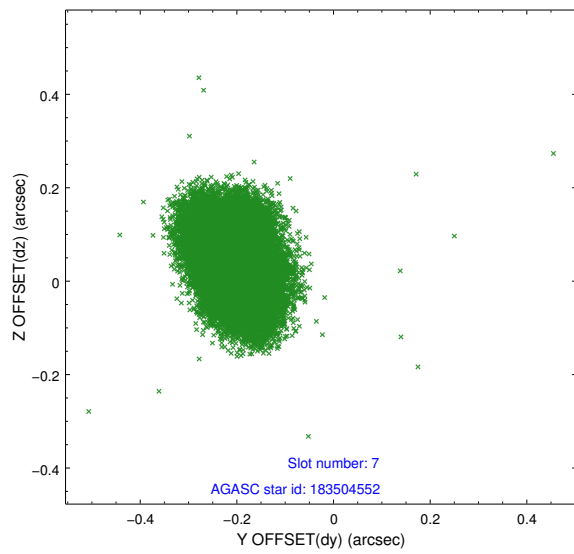
2.4.3 Slot 5



2.4.4 Slot 6

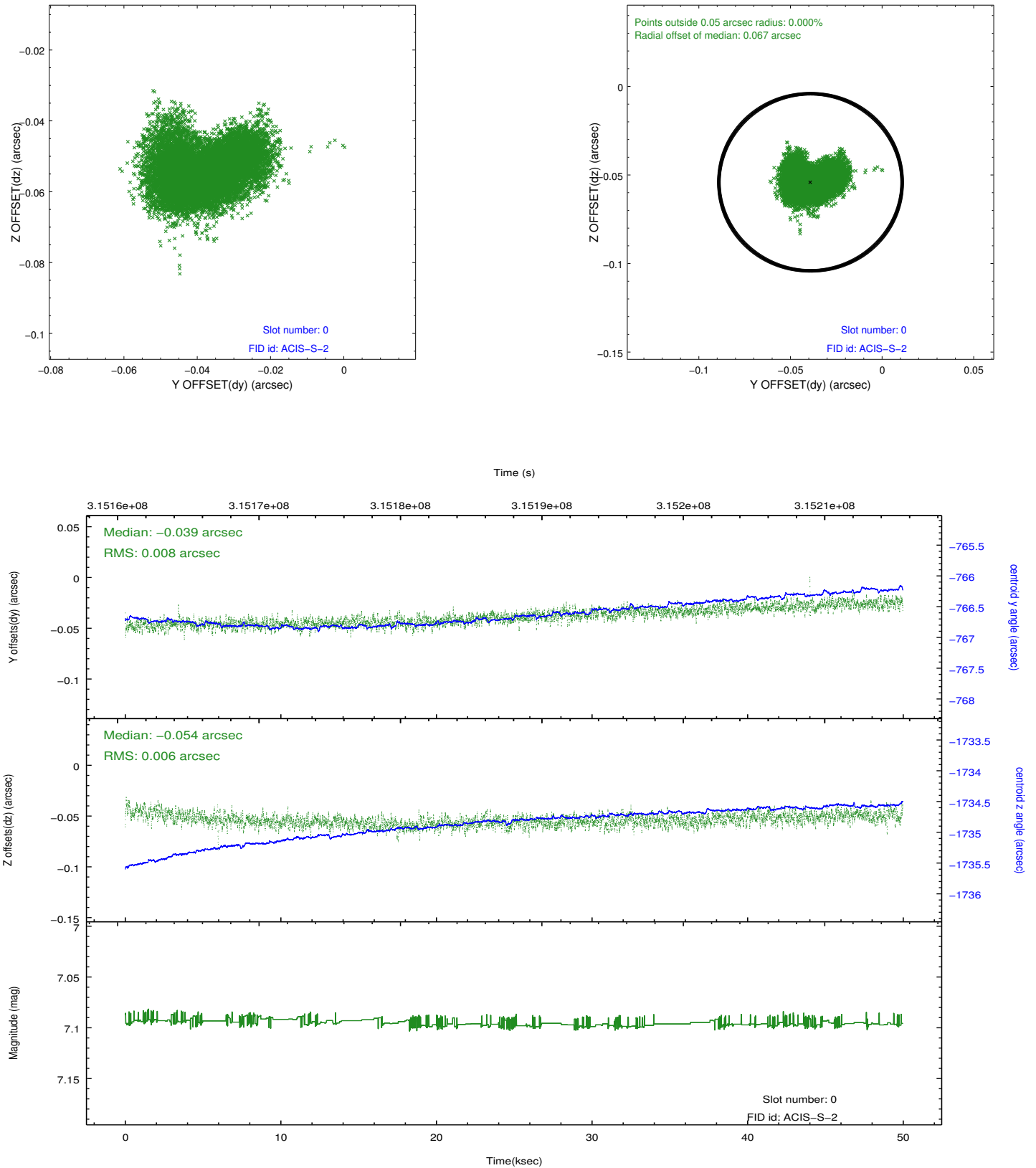


2.4.5 Slot 7

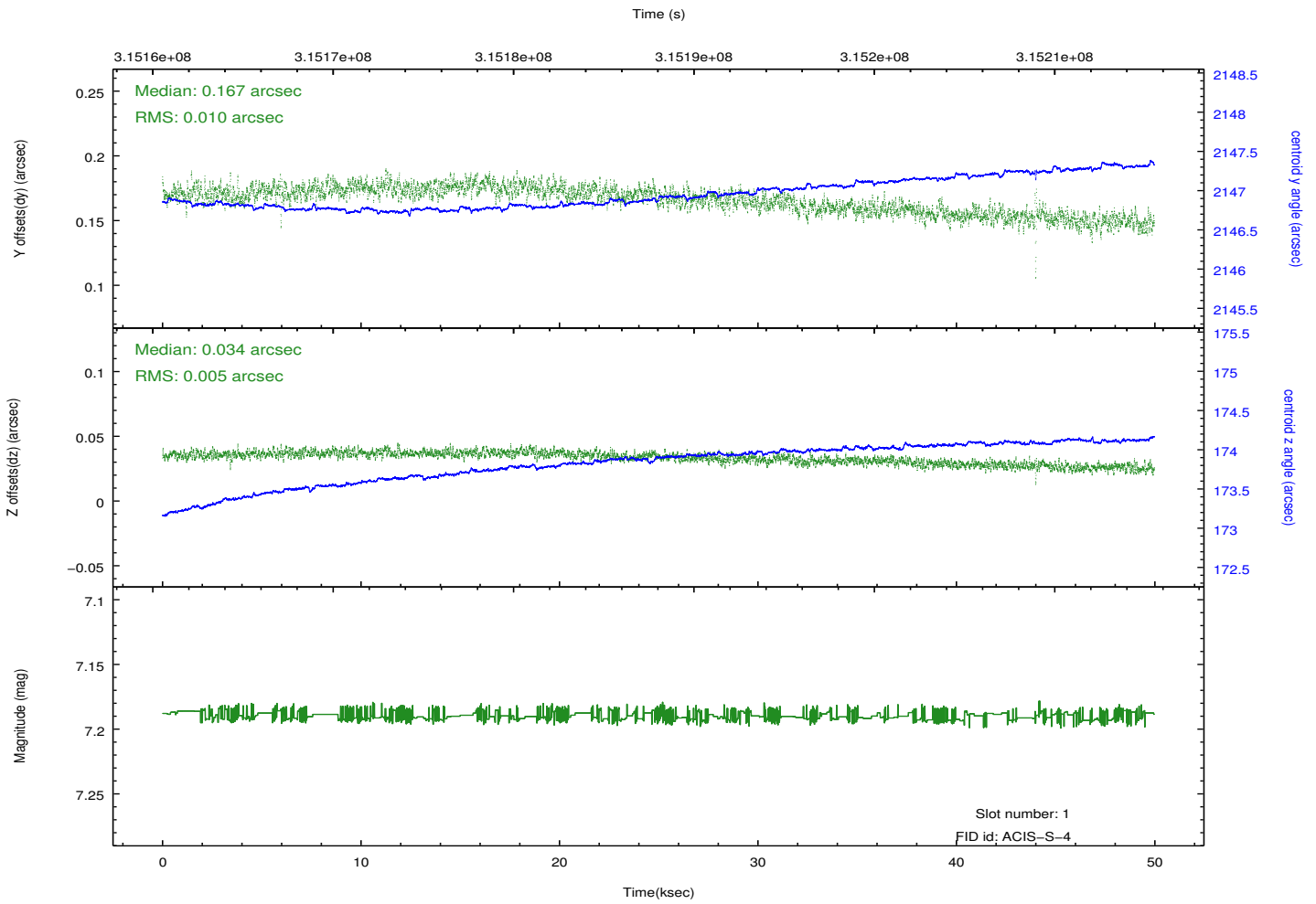
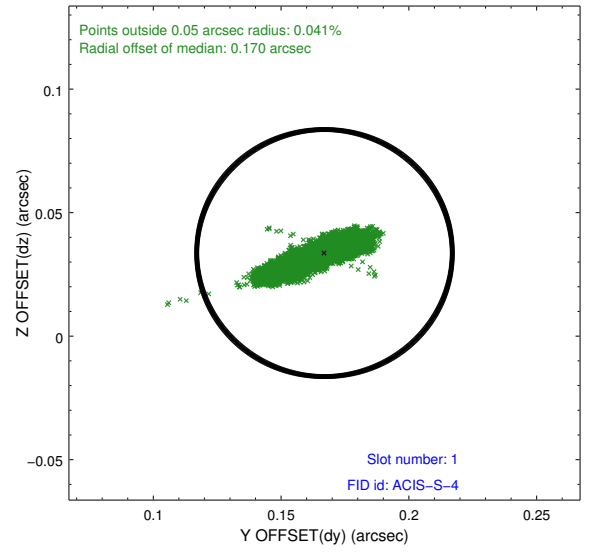
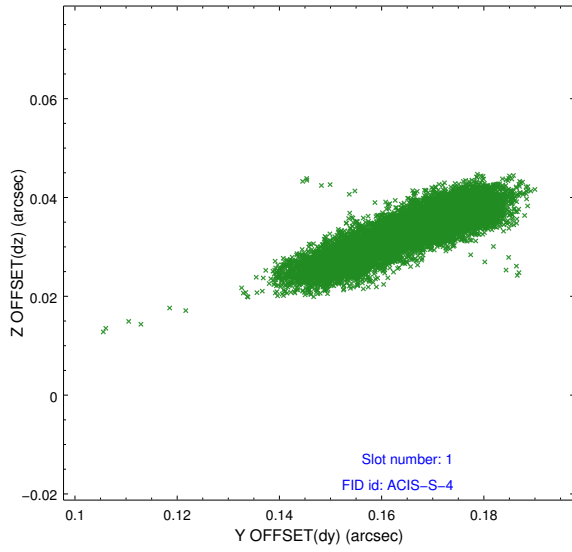


2.5 FID Slots

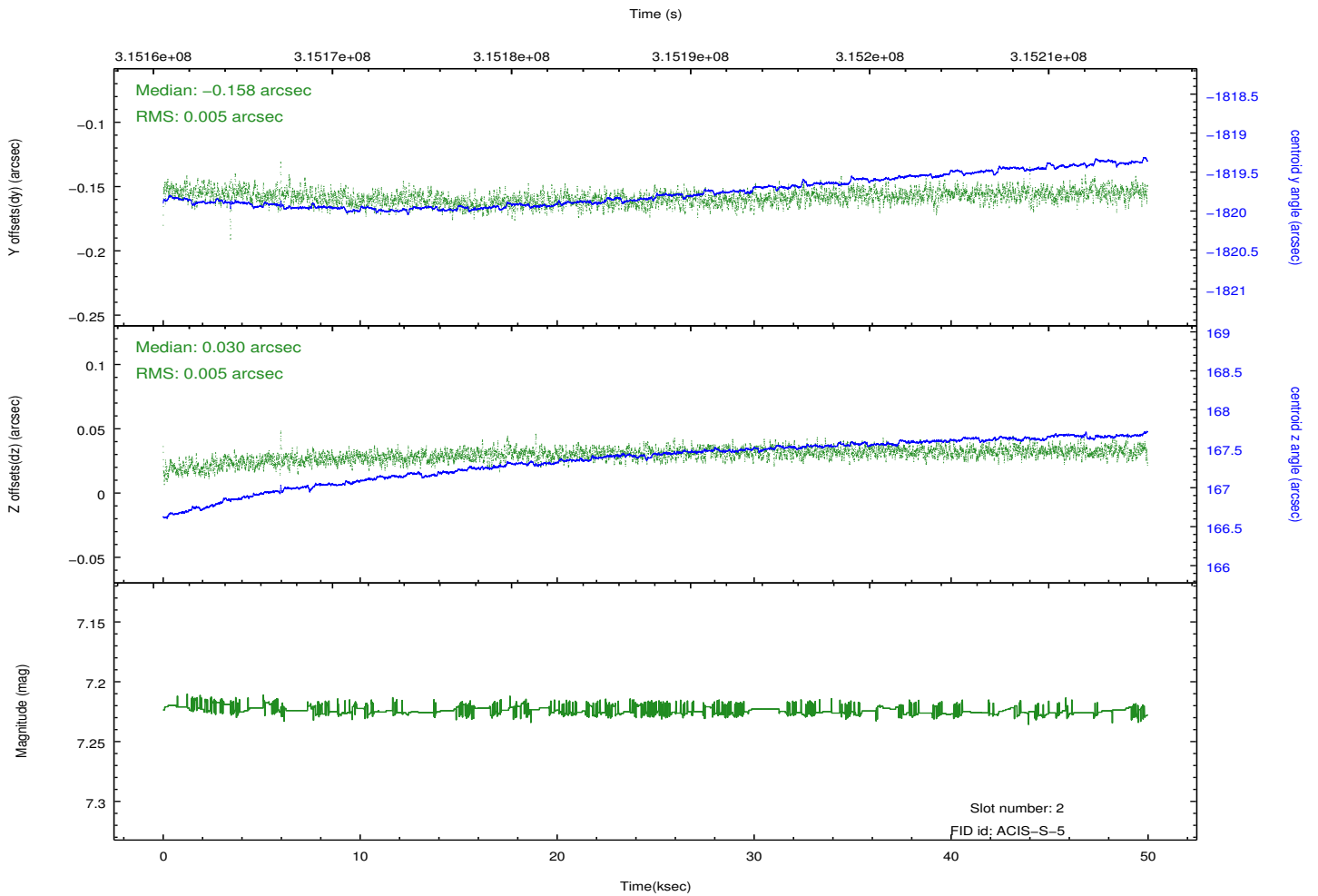
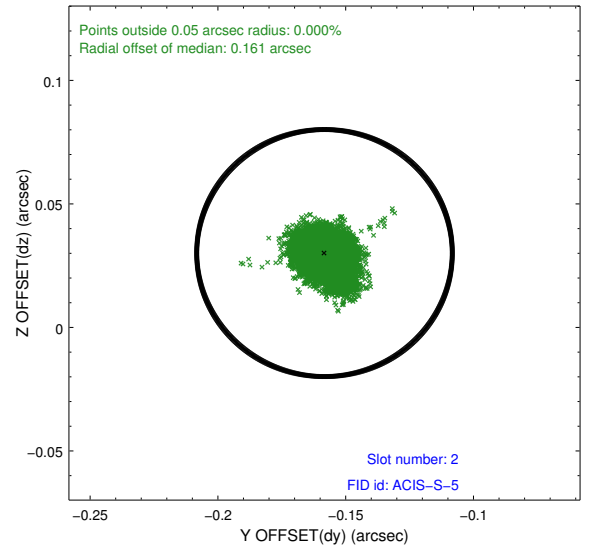
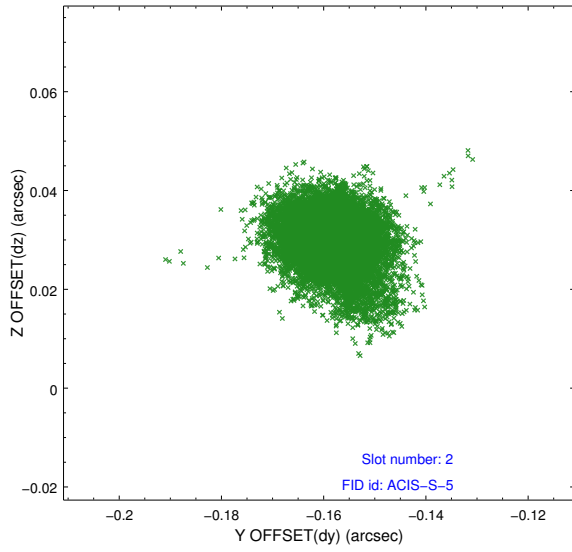
2.5.1 Slot 0



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)	2012.05.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	49.971597

A.2 Comments

Joint proposal: HST+Spitzer+NRAO. Roll preference not met.