

V&V Reference Report

L2 ASCDS Version : 10.5.2

Observation 18198 - L2 Version 2
Chandra X-Ray Center

L2 Processing Date : Nov 14 2016

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1 Front

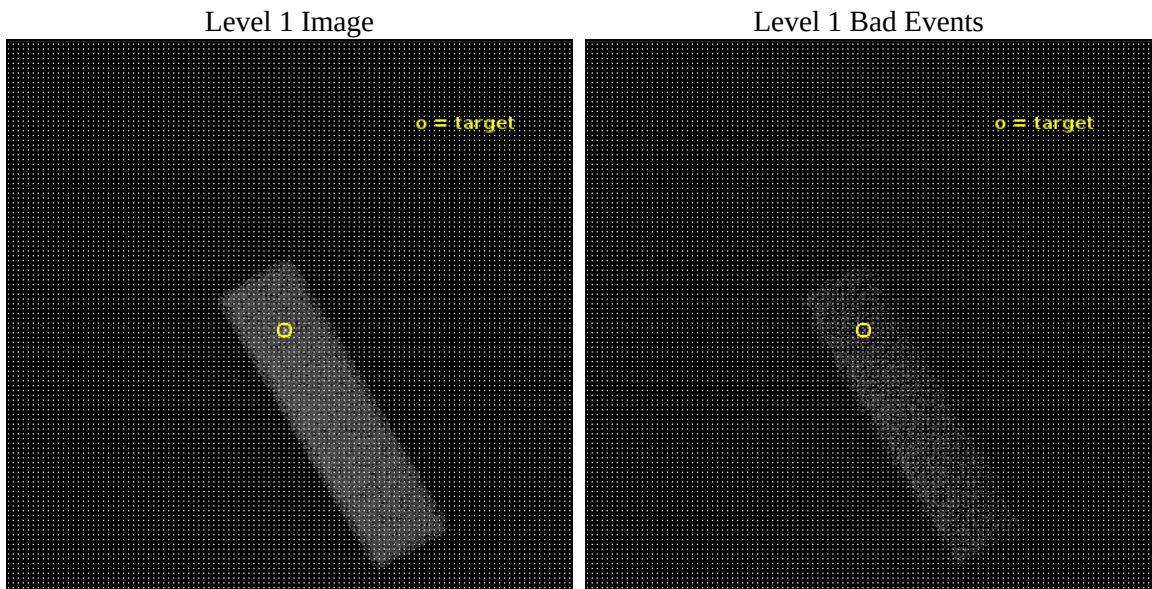
seq_num	703260	Sequence number
obs_id	18198	Observation id
title	Pre-selecting Dual AGN Candidates using WISE: A Chandra Follow-up Study	Proposal title
observer	Shobita Satyapal	Principal investigator
object	SDSS J114753.62+094552.0	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	176.973333	Observer's specified target RA [deg]
dec_targ	9.764444	Observer's specified target Dec [deg]
ra_nom	176.97157176538	Nominal RA [deg]
dec_nom	9.7672427936426	Nominal Dec [deg]
roll_nom	60.449746470259	Nominal Roll [deg]
revision	2	Processing version of data
ontime	24060.531531811	Sum of GTIs [s]
livetime	22886.456322468	Livetime [s]
ontime7	24060.531531811	Sum of GTIs [s]
l2events	29374	Number of level 2 events



2 OBI

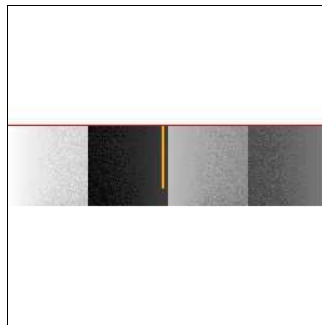
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	24000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.2	Processing system revision	ontime	24060.531531811	Sum of GTIs [s]
caldsver	4.7.2	 	ontime7	24060.531531811	Sum of GTIs [s]
date	2016-11-14T14:04:57	Date and time of file creation	l1events	58908	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

	ccd 7
level 1 events	58908
rejected events	28666
rejected %	48%

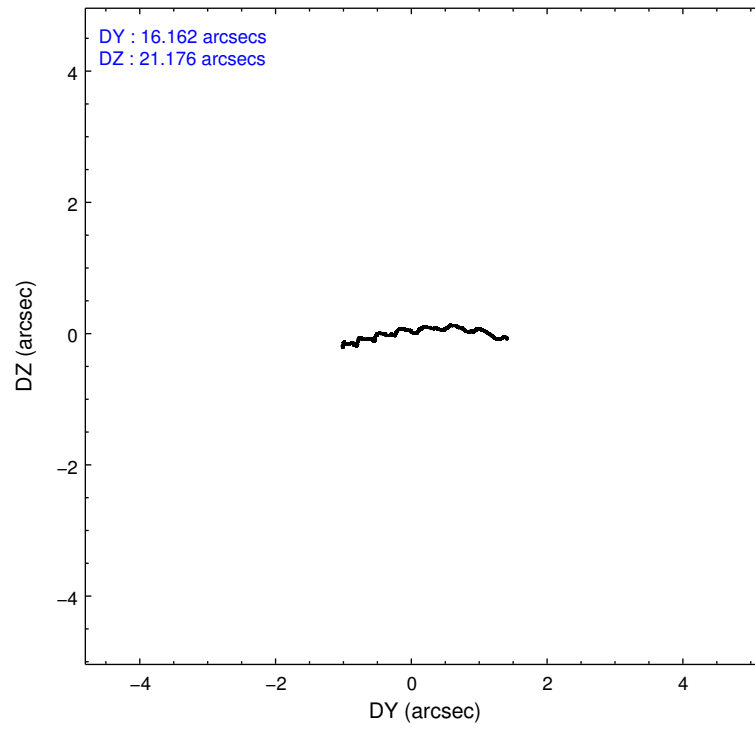
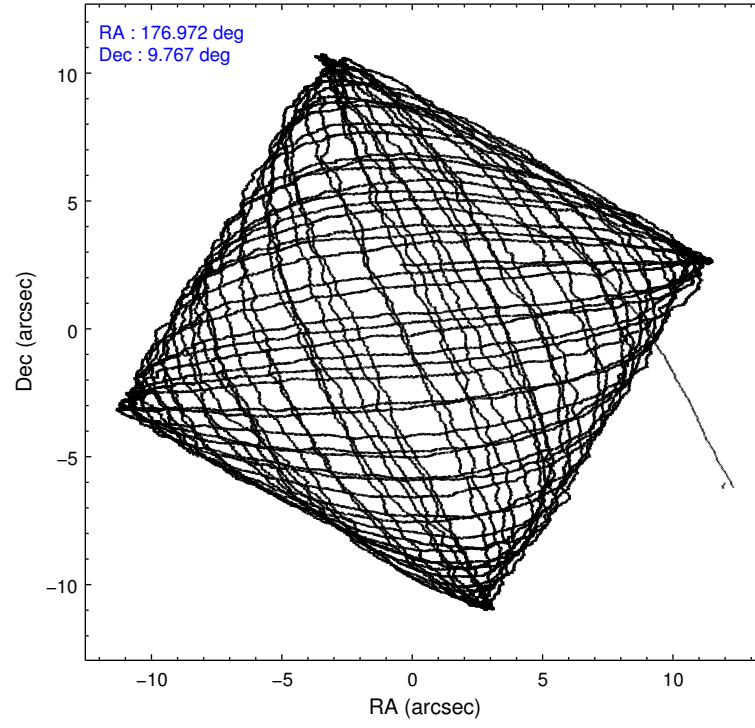
	ccd 7
grade 0 events	3305
	5%
grade 1 events	95
	0%
grade 2 events	6327
	10%
grade 3 events	3407
	5%
grade 4 events	3245
	5%
grade 5 events	5895
	10%
grade 6 events	13959
	23%
grade 7 events	22675
	38%

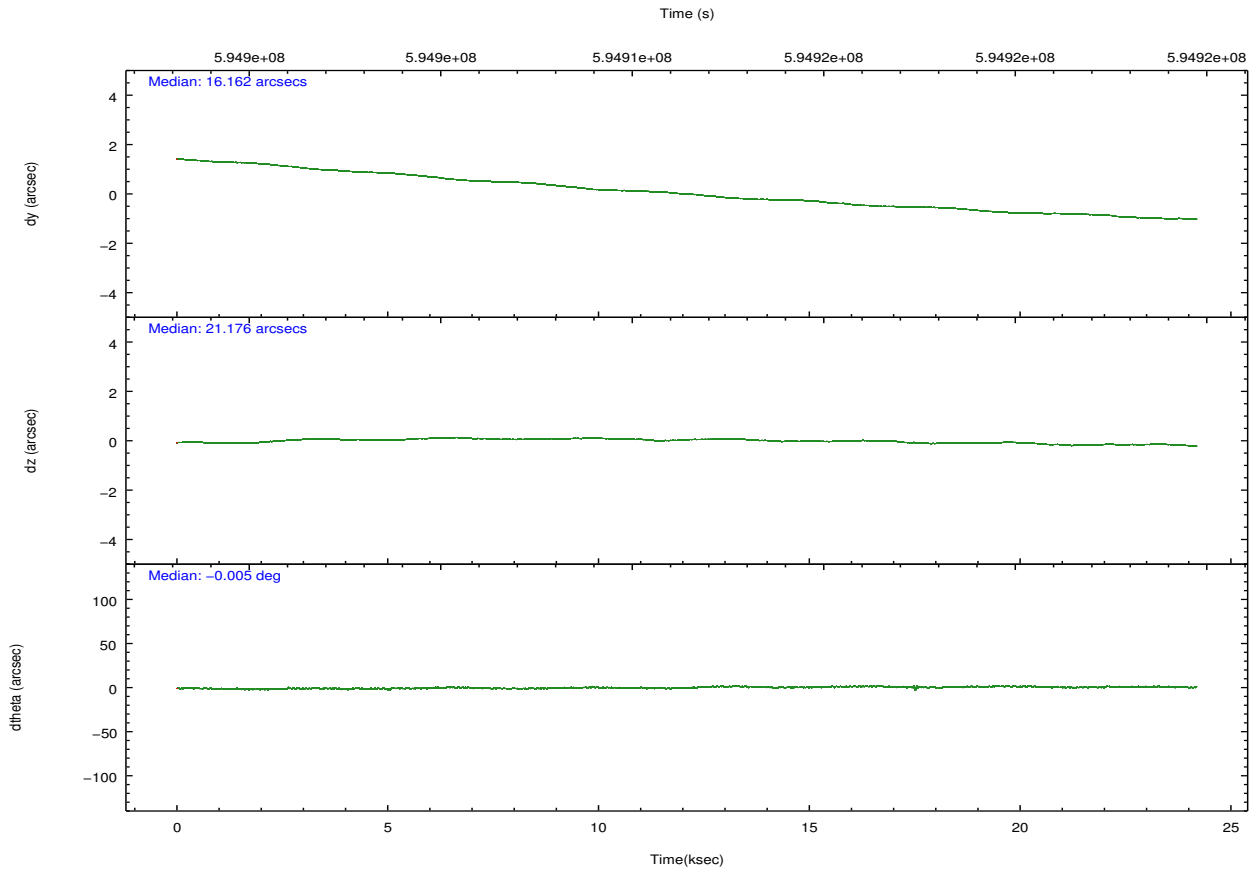
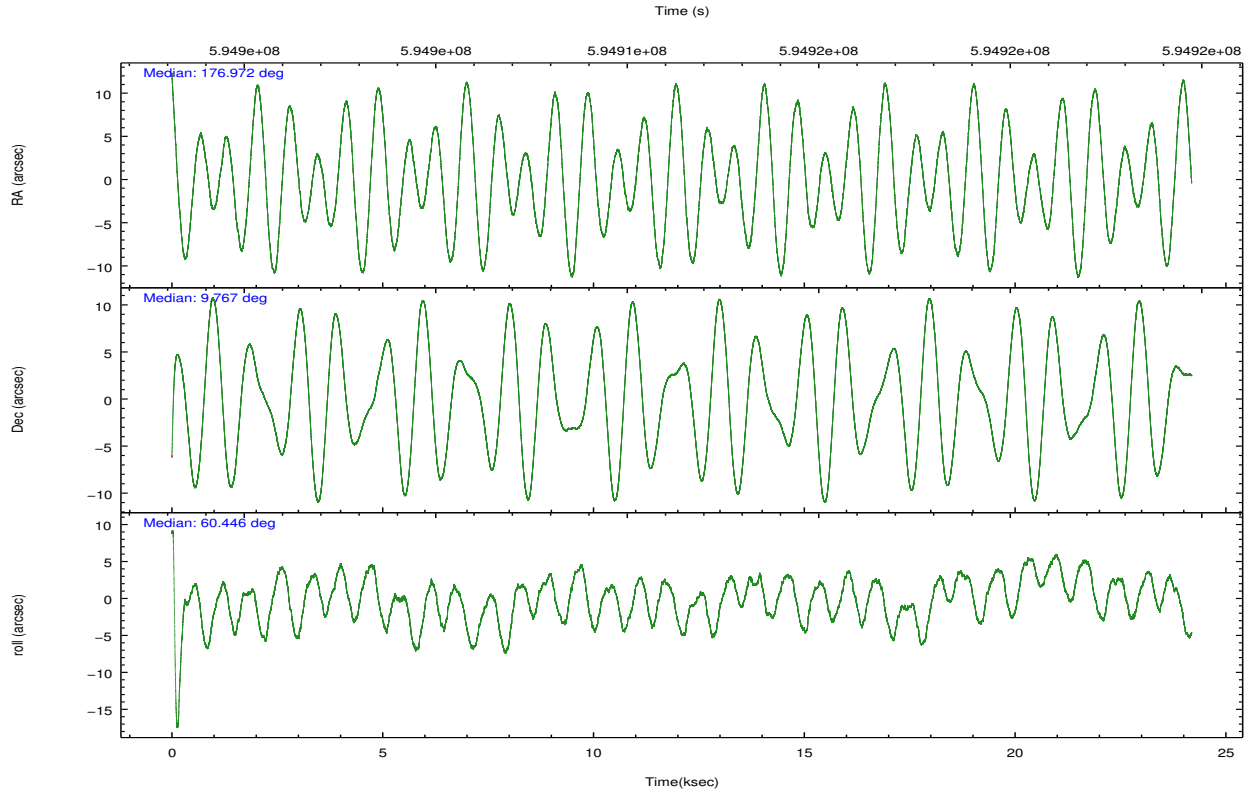
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-7	ACIS-7
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	176.972148	176.9715717653752
[deg] Pointing Dec	9.739795	9.767242793642637
[deg] Pointing Roll	60.293008	60.44974647025857
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1425803651734
[mm] SIM translation stage offset	0	0.01005778216563158
[s] Observation start time (MET)	594899539.184000	594898742.47835
Observation start date	2016-11-07T09:51:11	2016-11-07T09:39:02
[s] Observation end time (MET)	594923539.184000	594924386.9548301
Observation end date	2016-11-07T16:31:11	2016-11-07T16:46:26
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	CUSTOM	1/4
Subarray start row	385	385
Subarray row count	256	256
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	0.8

2.3 Aspect



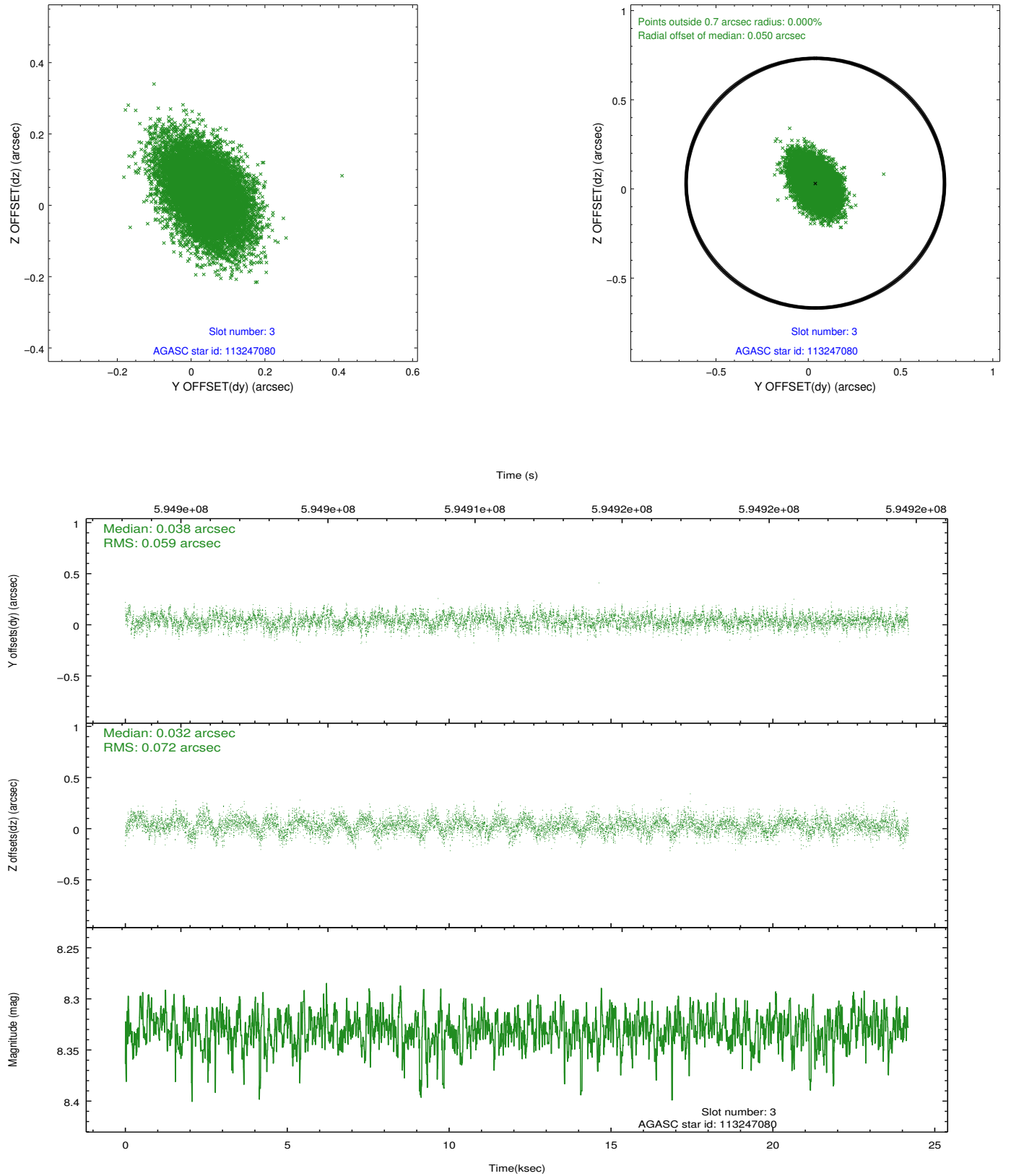


Slot Statistics

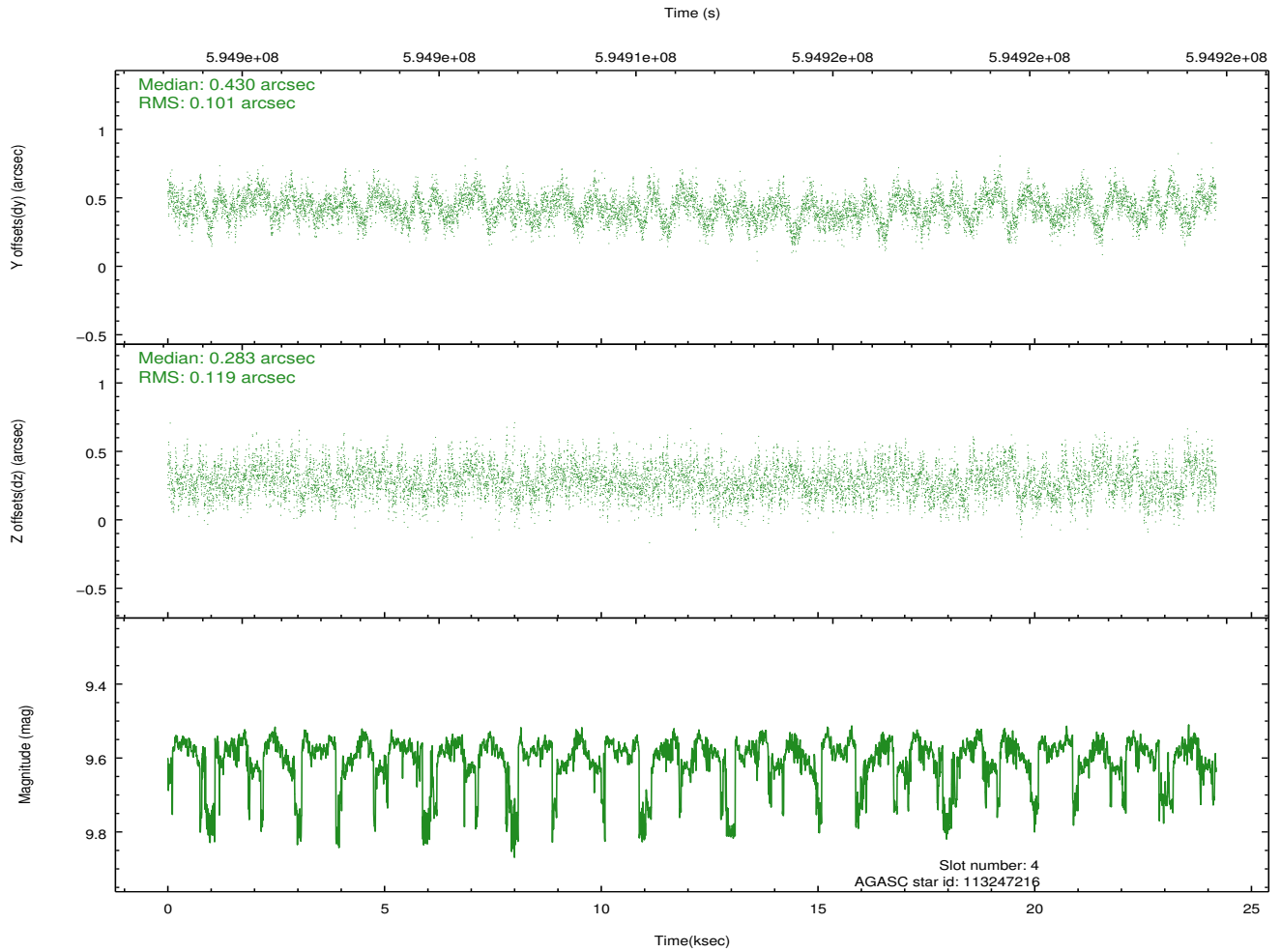
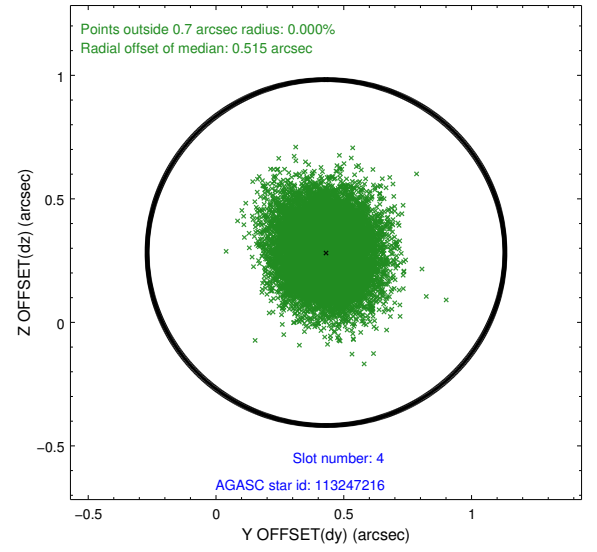
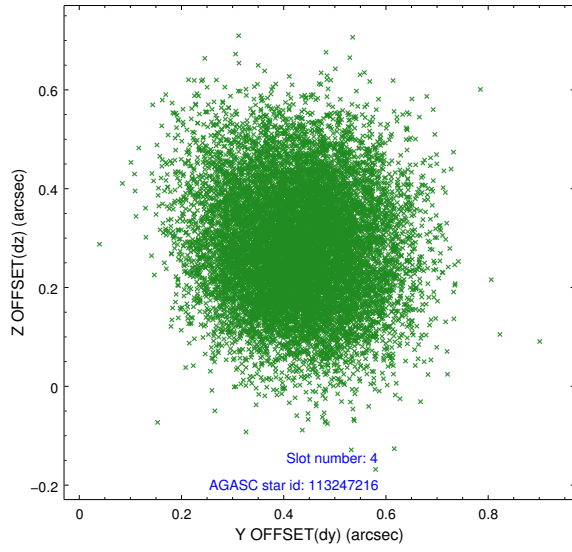
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.04	5900	-0.201	-0.094	0.019	0.031	0.000000	0.000000	-769.41	-1742.76
1	FID		ACIS-S-4	7.16	5900	0.429	0.122	0.011	0.035	0.000000	0.000000	2144.42	165.84
2	FID		ACIS-S-5	7.15	5900	-0.257	-0.019	0.021	0.043	0.000000	0.000000	-1822.17	159.48
3	GUIDE	used	113247080	8.33	11793	0.038	0.032	0.098	0.166	176.794431	9.469985	-1155.99	67.07
4	GUIDE	used	113247216	9.59	11780	0.430	0.283	0.168	0.266	177.105331	9.230683	-1356.68	-1318.45
5	OMITTED			0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
6	GUIDE	used	113641904	8.94	11787	-0.365	-0.422	0.131	0.219	176.833560	10.457267	1999.57	1706.12
7	GUIDE	used	113643904	8.73	11791	-0.101	0.106	0.143	0.225	177.587369	10.067301	2105.88	-1307.06

2.4 Star Slots

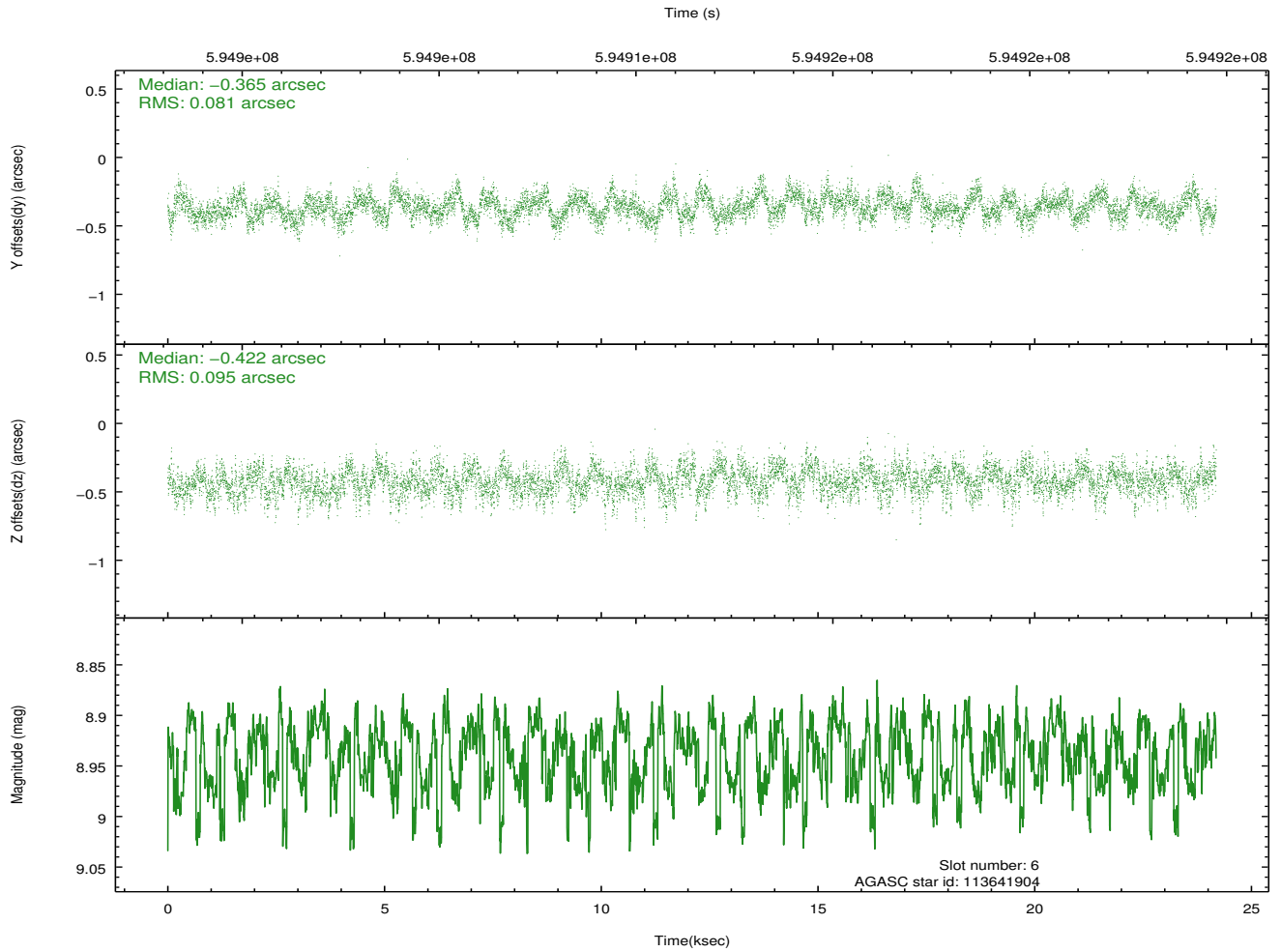
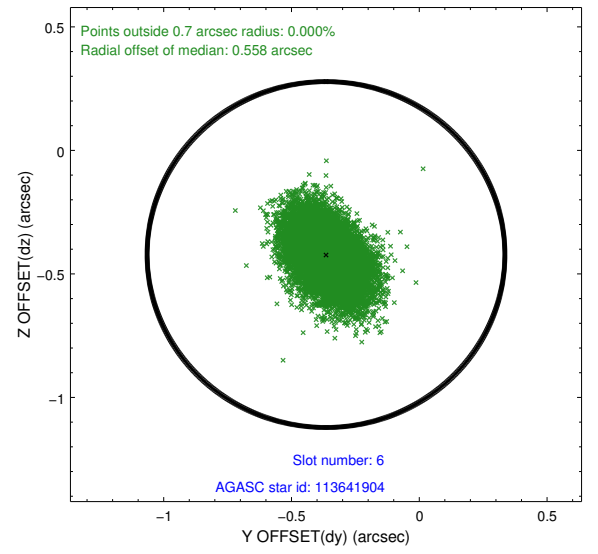
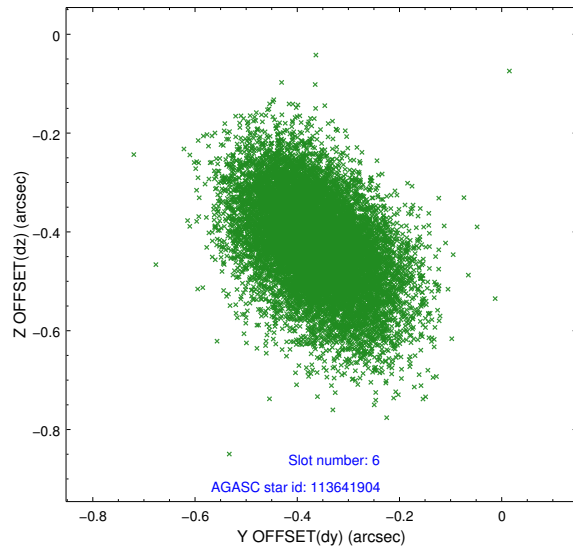
2.4.1 Slot 3



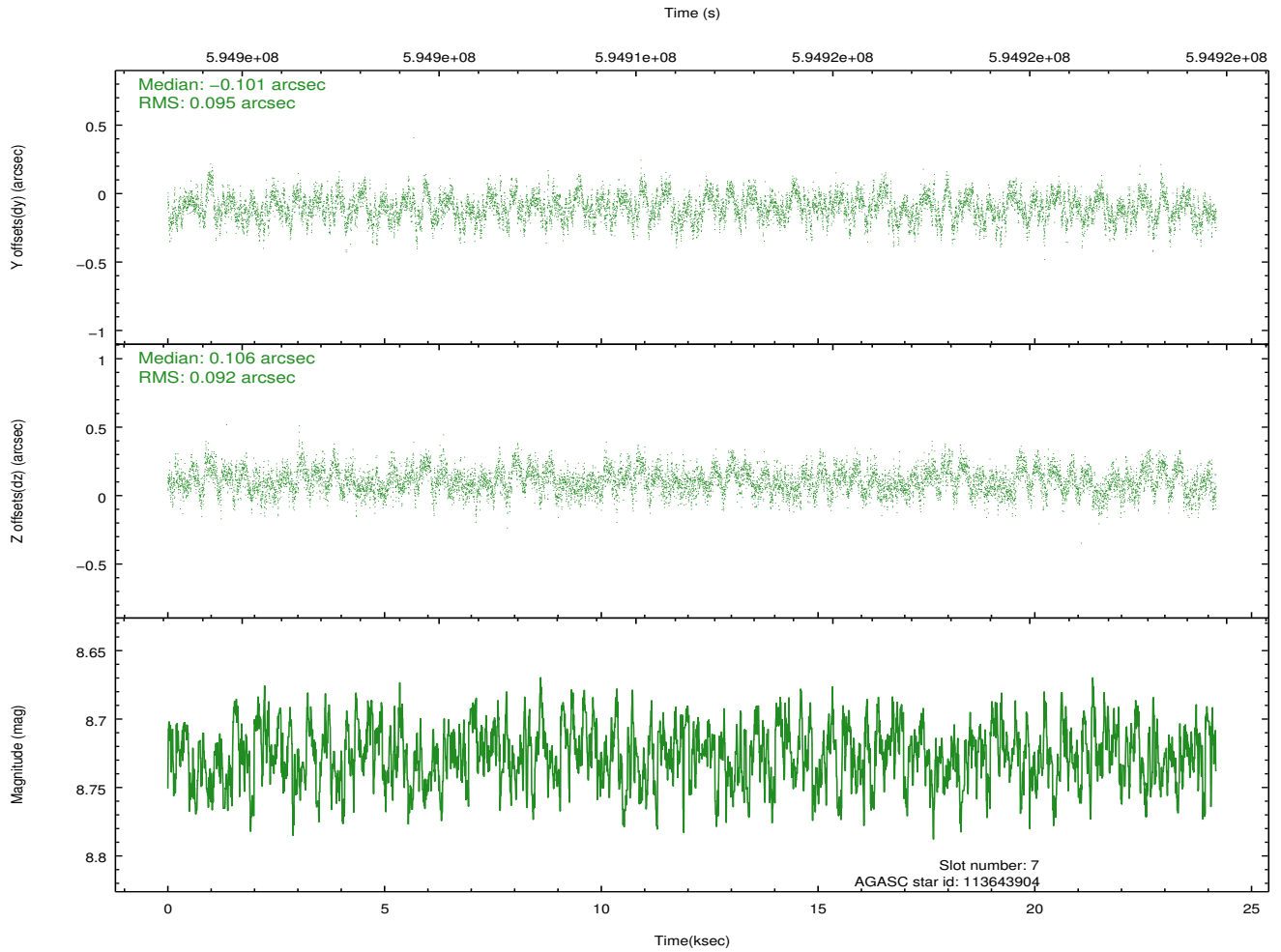
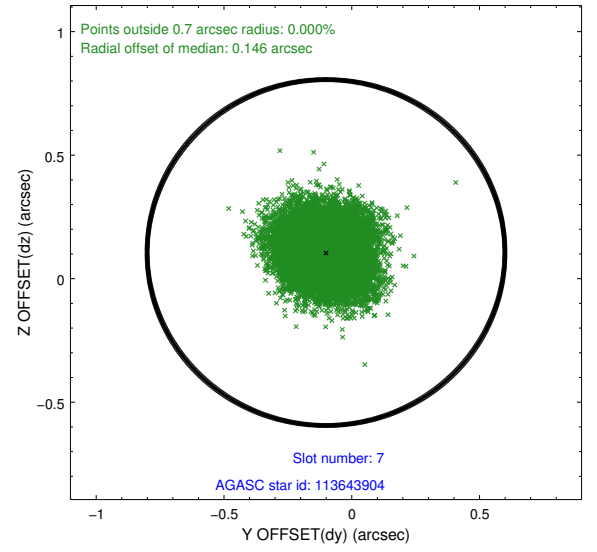
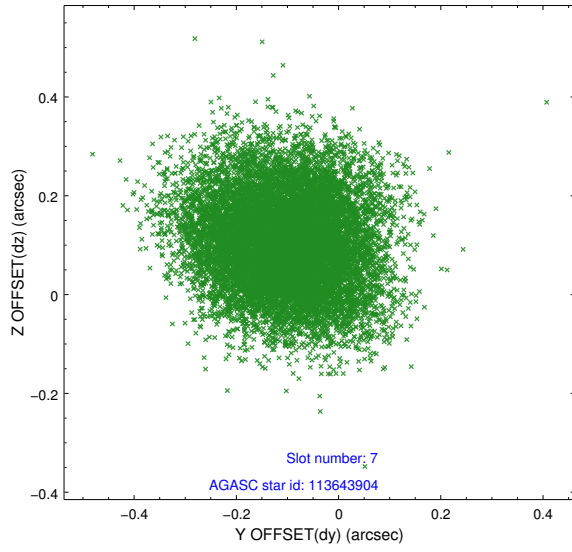
2.4.2 Slot 4



2.4.3 Slot 6

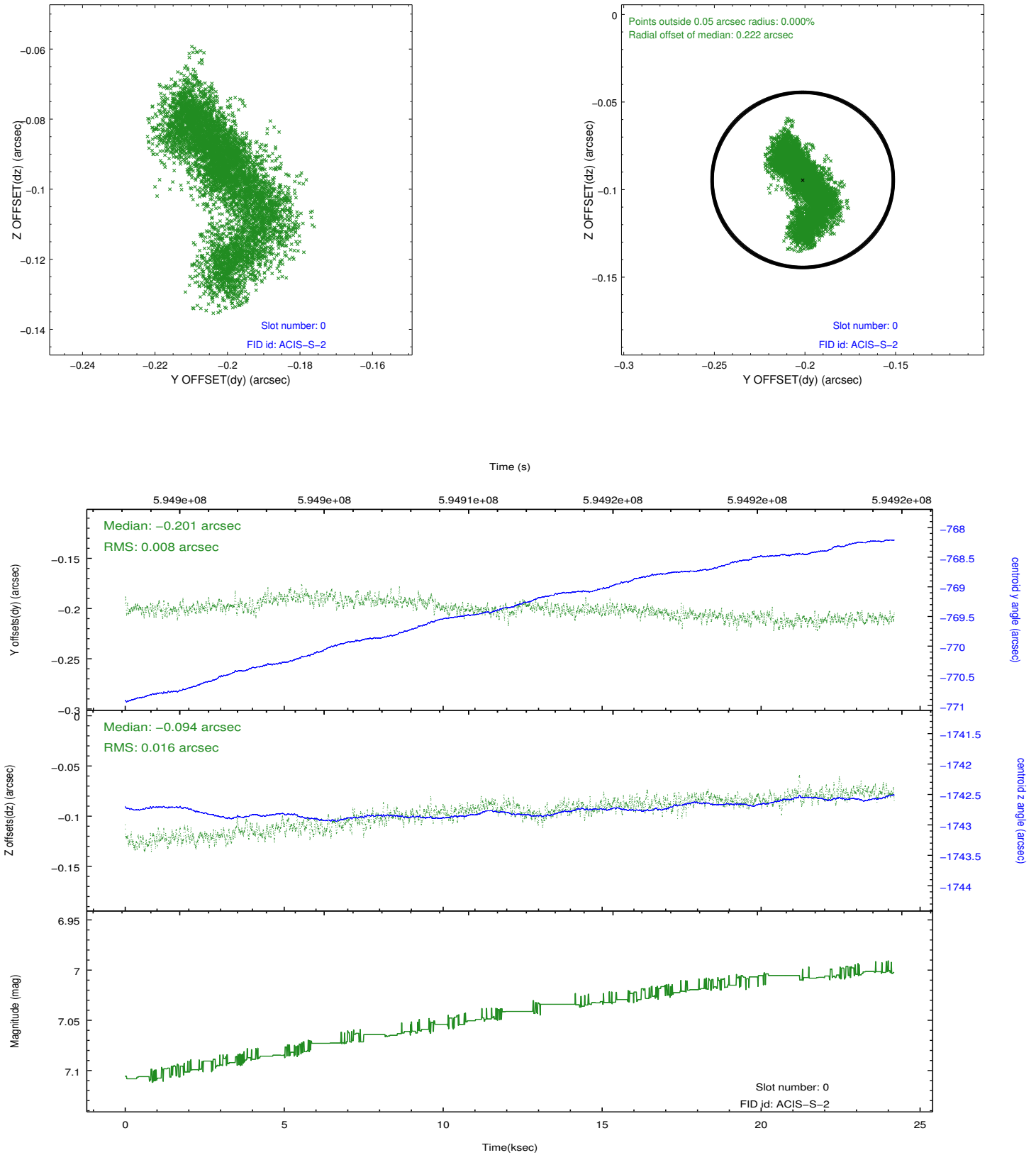


2.4.4 Slot 7

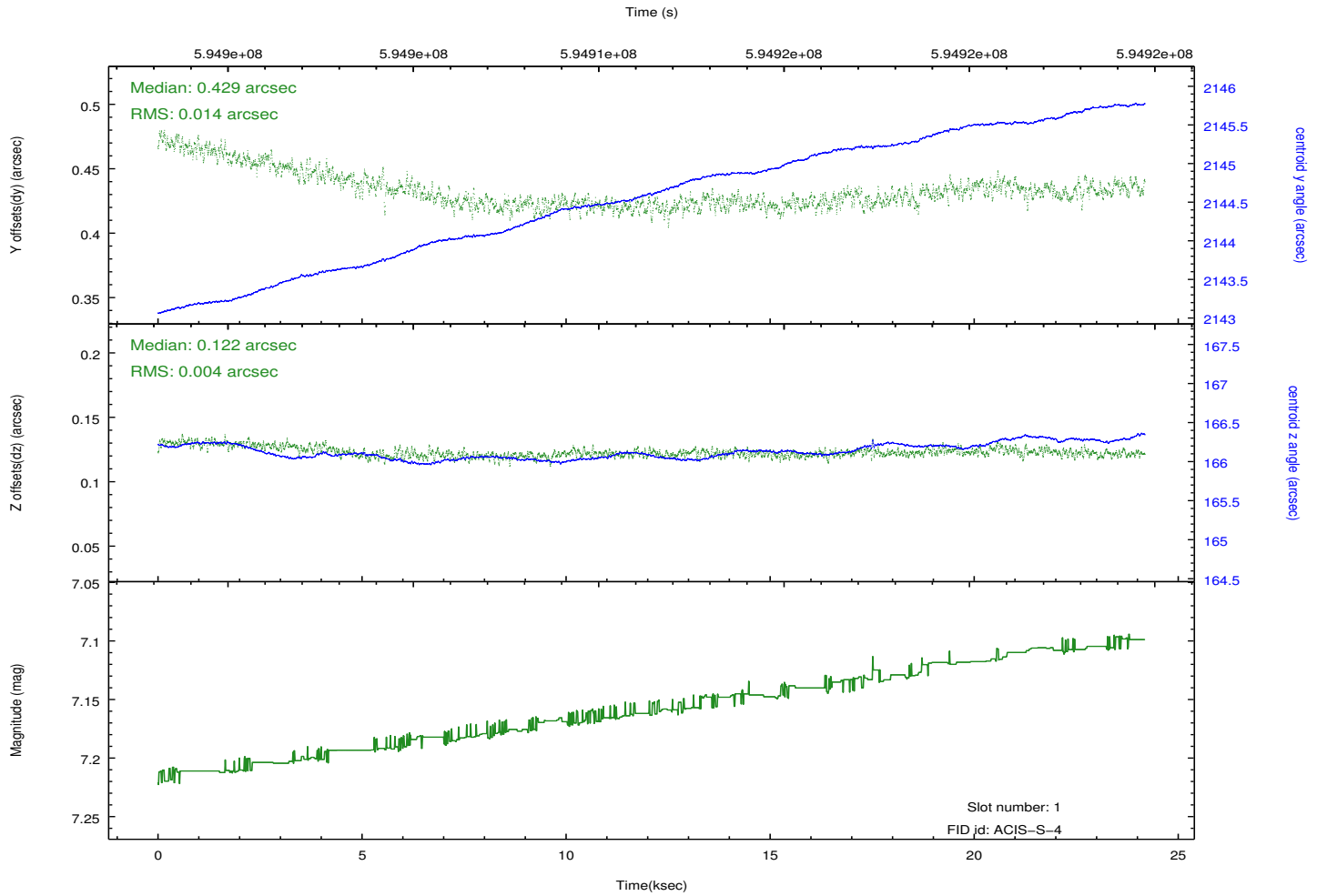
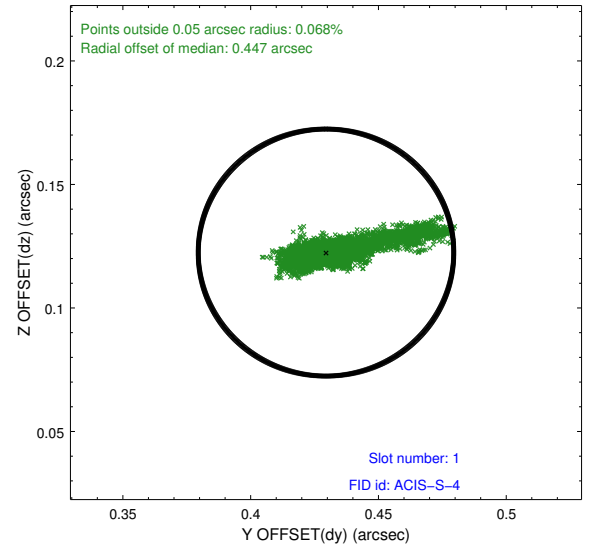
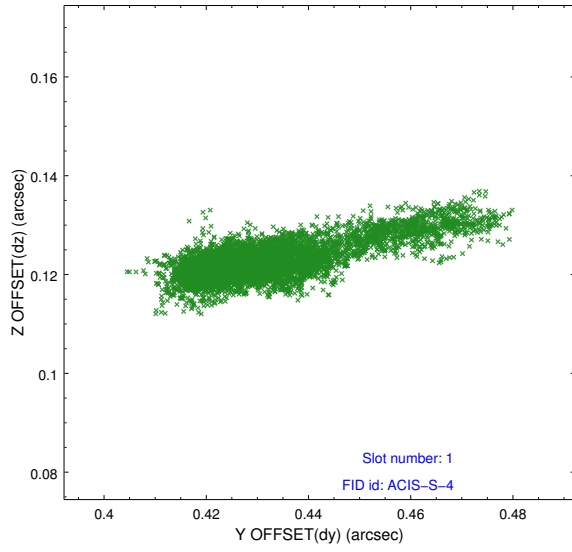


2.5 FID Slots

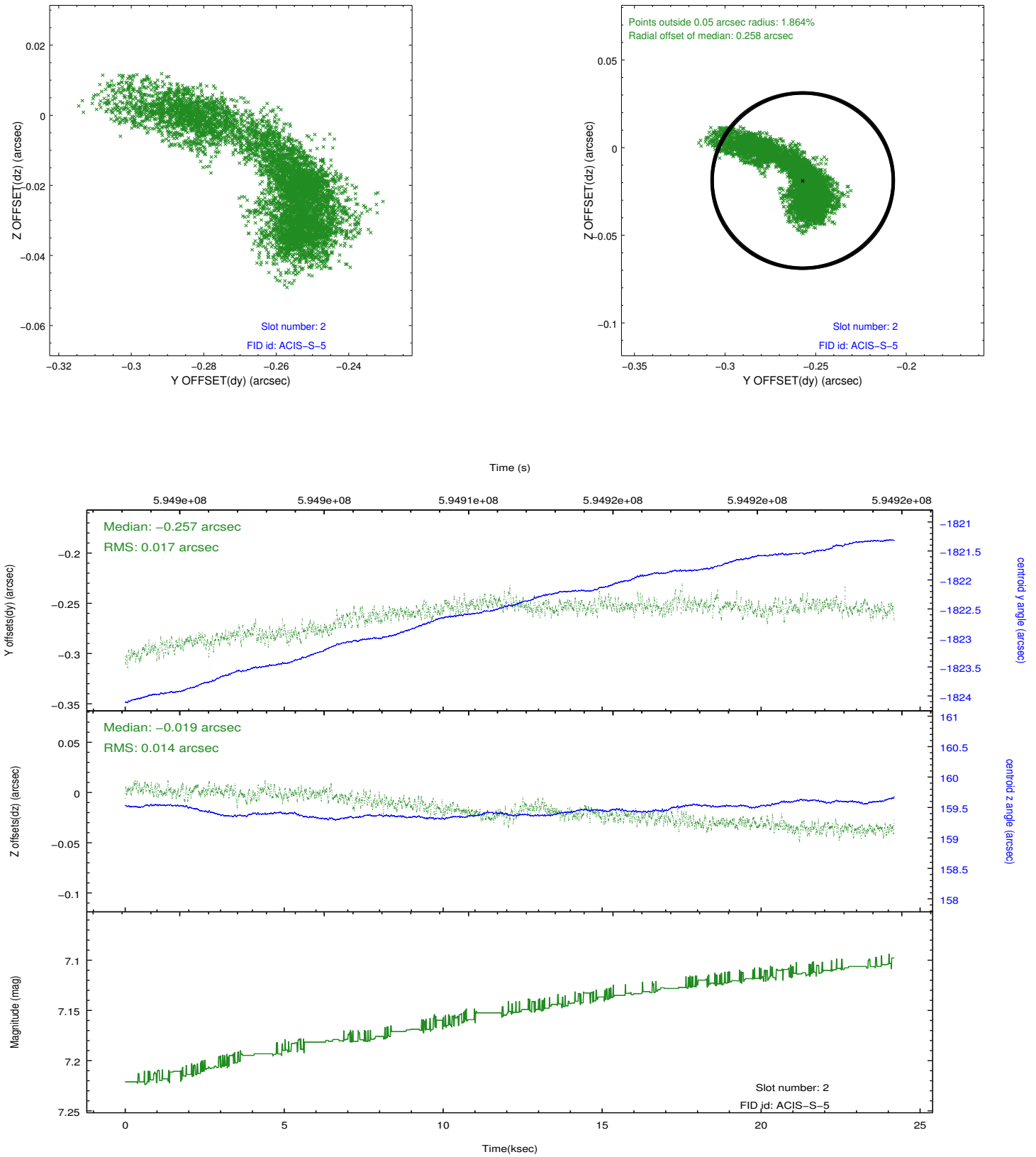
2.5.1 Slot 0



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)	2016.11.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	24.060531531811

A.2 Comments

The guide star in slot 5 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this slot from the solution.