

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3051 - L2 Version 3
Chandra X-Ray Center

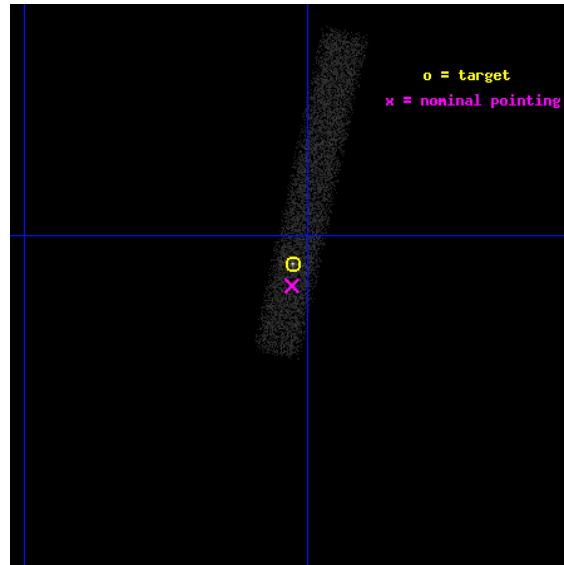
L2 Processing Date : Oct 17 2012

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1 Front

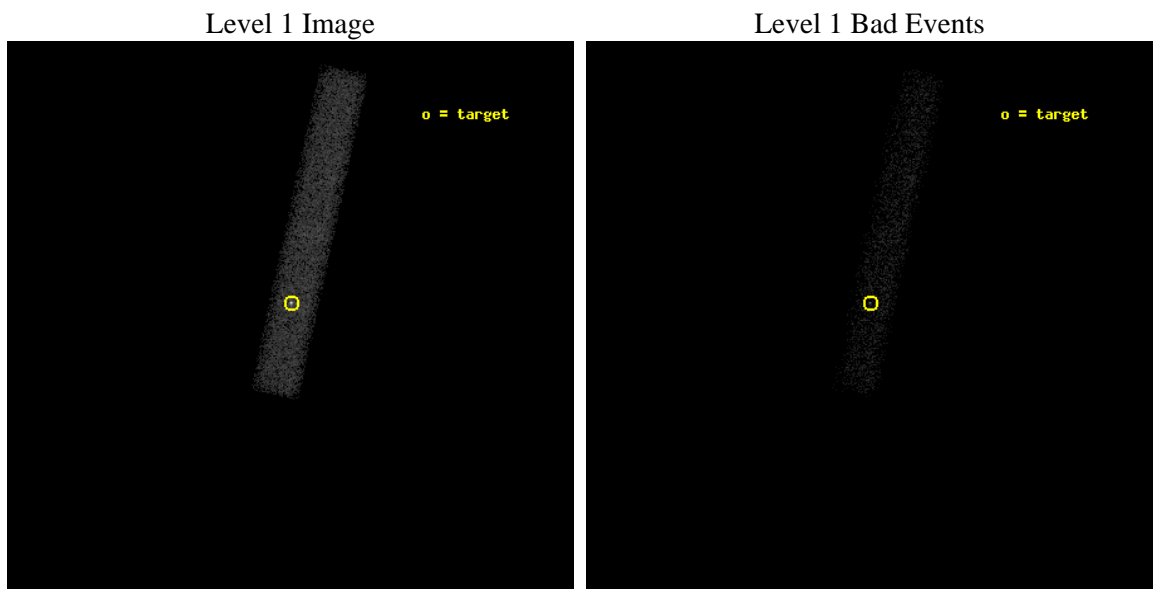
seq_num	700490	Sequence number
obs_id	3051	Observation id
title	X-RAY IMAGING OF QUASAR JETS	Proposal title
observer	Professor Alan Marscher	Principal investigator
object	2209+080	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	333.006667	Observer's specified target RA [deg]
dec_targ	8.321389	Observer's specified target Dec [deg]
ra_nom	333.00703648424	Nominal RA [deg]
dec_nom	8.311685526226	Nominal Dec [deg]
roll_nom	282.32544268115	Nominal Roll [deg]
revision	3	Processing version of data
ontime	19670.800293088	Sum of GTIs [s]
livetime	17840.377555857	Livetime [s]
ontime7	19670.800293088	Sum of GTIs [s]
l2events	14757	Number of level 2 events



2 OBI

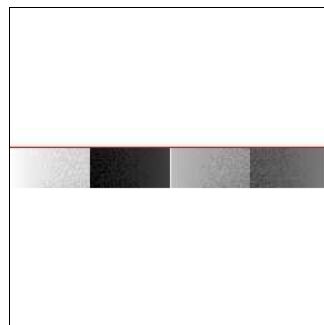
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	19500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	19670.800293088	Sum of GTIs [s]
caldsver	4.5.2	 	ontime7	19670.800293088	Sum of GTIs [s]
date	2012-10-17T00:23:00	Date and time of file creation	l1events	27860	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

	ccd 7
level 1 events	27860
rejected events	12687
rejected %	45%

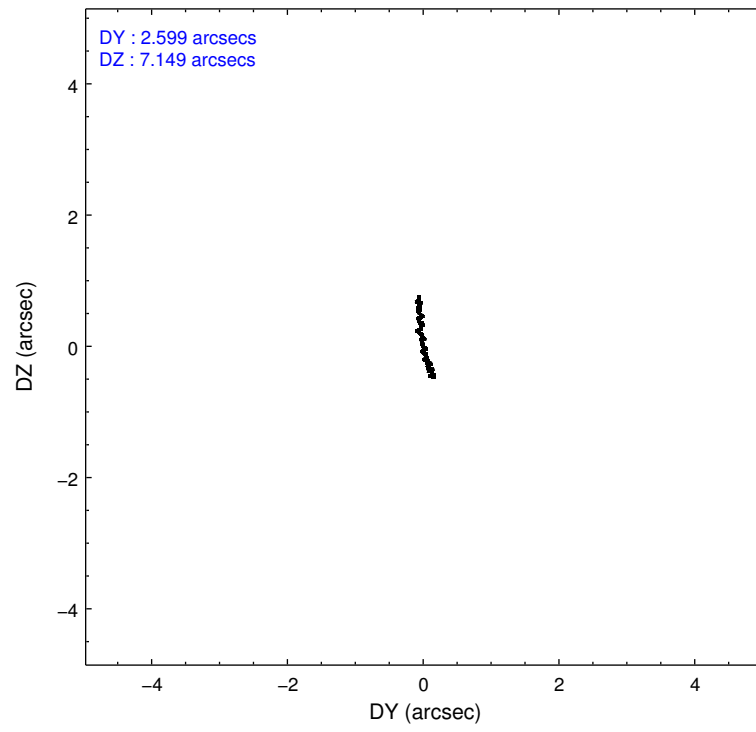
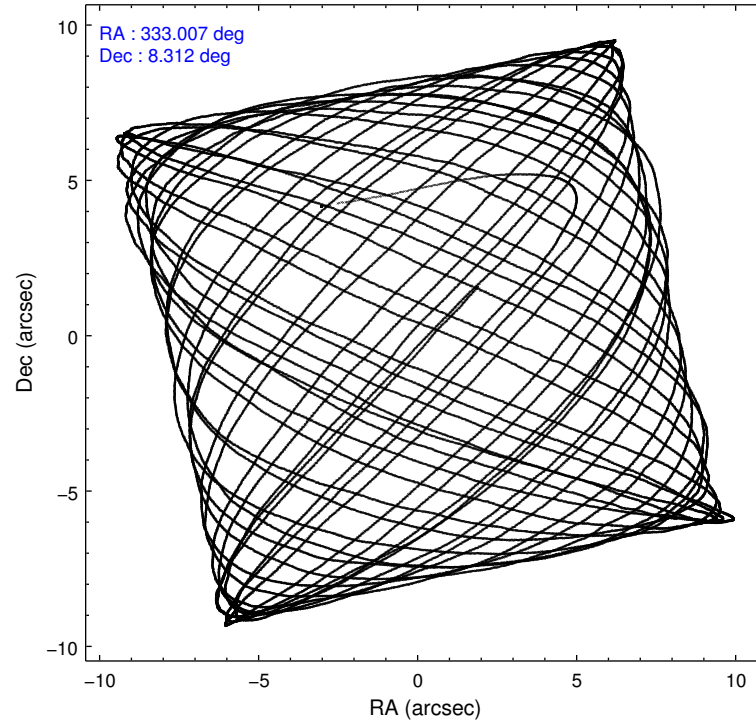
	ccd 7
grade 0 events	2736
	9%
grade 1 events	29
	0%
grade 2 events	3307
	11%
grade 3 events	1989
	7%
grade 4 events	1919
	6%
grade 5 events	2202
	7%
grade 6 events	5669
	20%
grade 7 events	10009
	35%

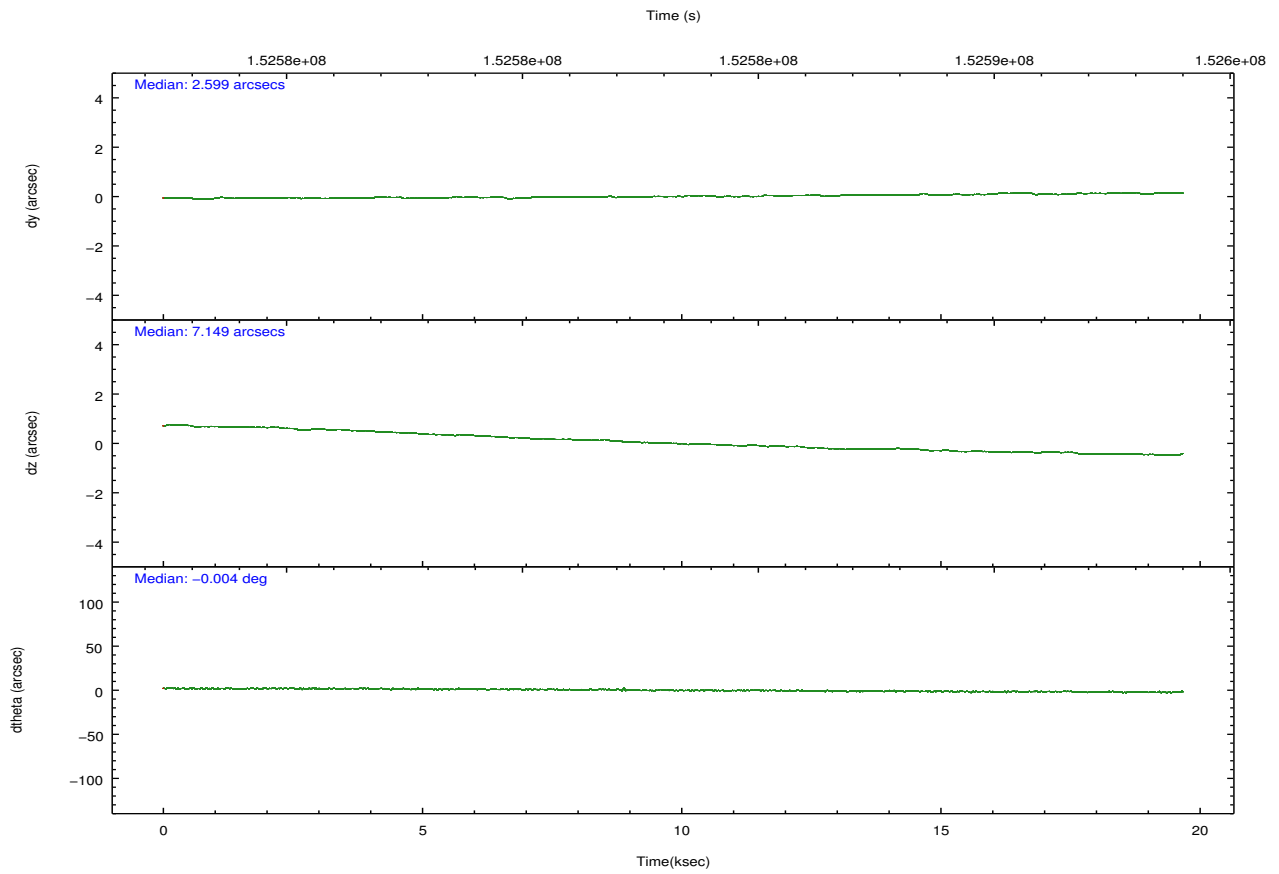
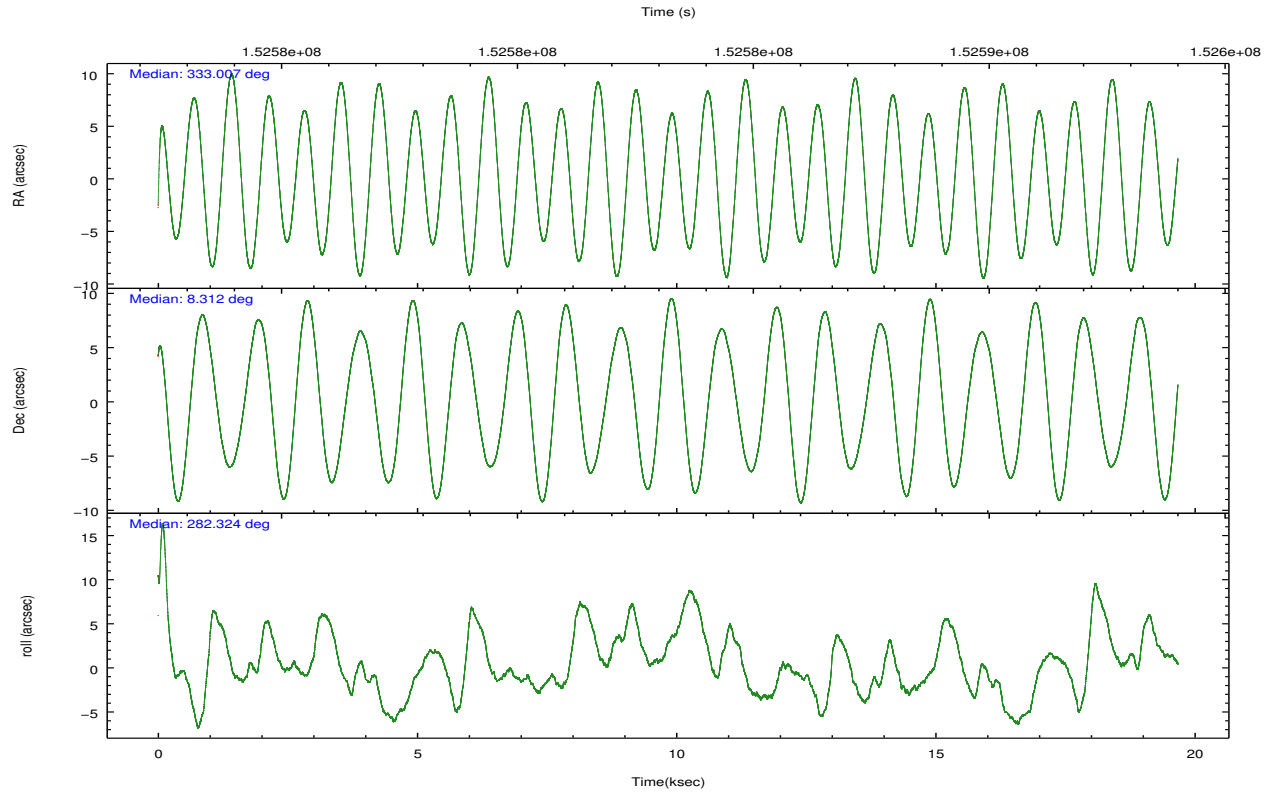
2.2 Compared Parameters

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	332.988244	333.0070364842364
[deg] Pointing Dec	8.331608	8.311685526226038
[deg] Pointing Roll	282.171532	282.3254426811538
[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)	152573527.184000	152572521.4633
Observation start date	2002-11-01T21:31:03	2002-11-01T21:15:21
[s] Observation end time (MET)	152593027.184000	152593471.95167
Observation end date	2002-11-02T02:56:03	2002-11-02T03:04:31
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	1/8
Subarray start row	449	449
Subarray row count	128	128
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	0.4

2.3 Aspect



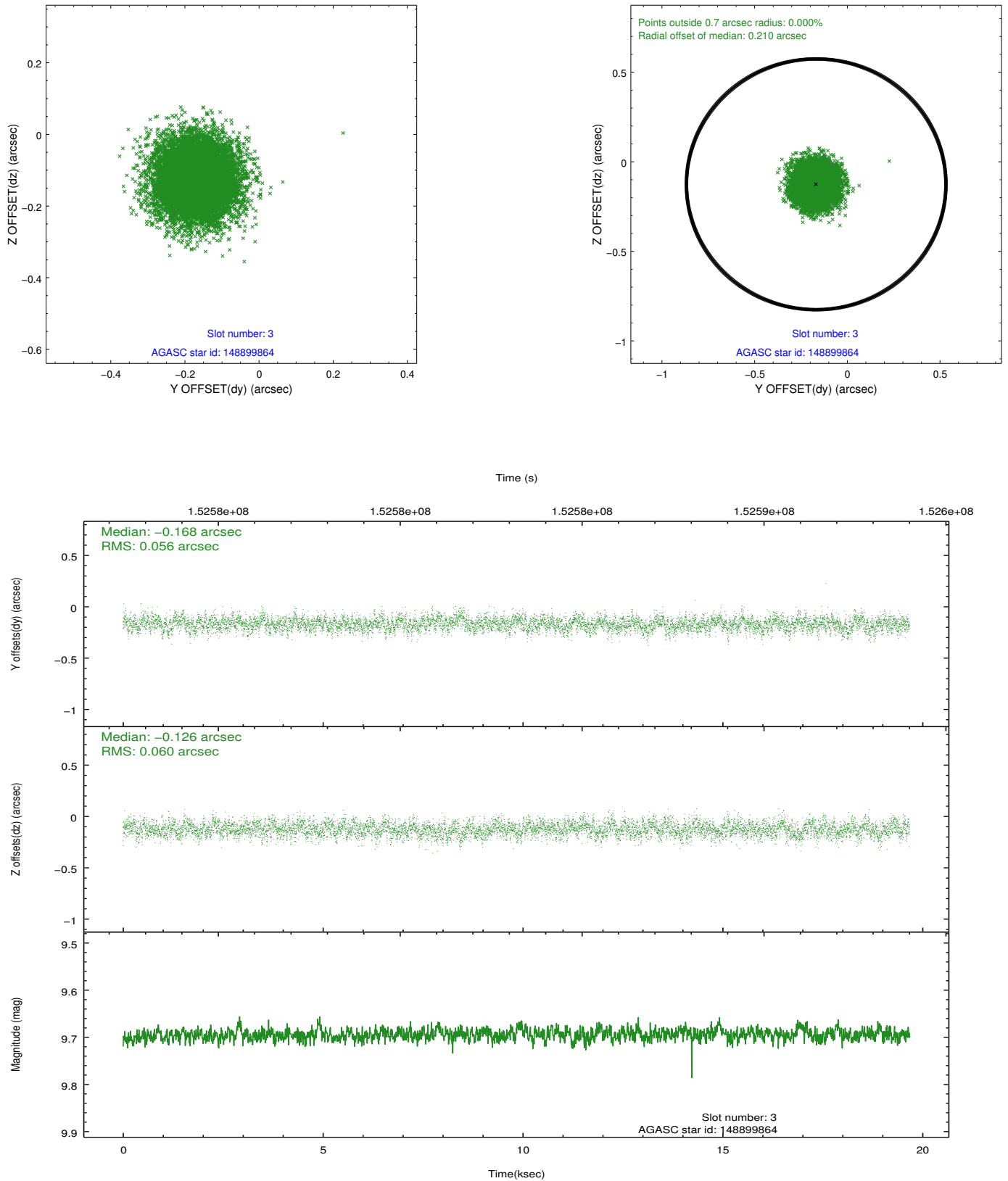


Slot Statistics

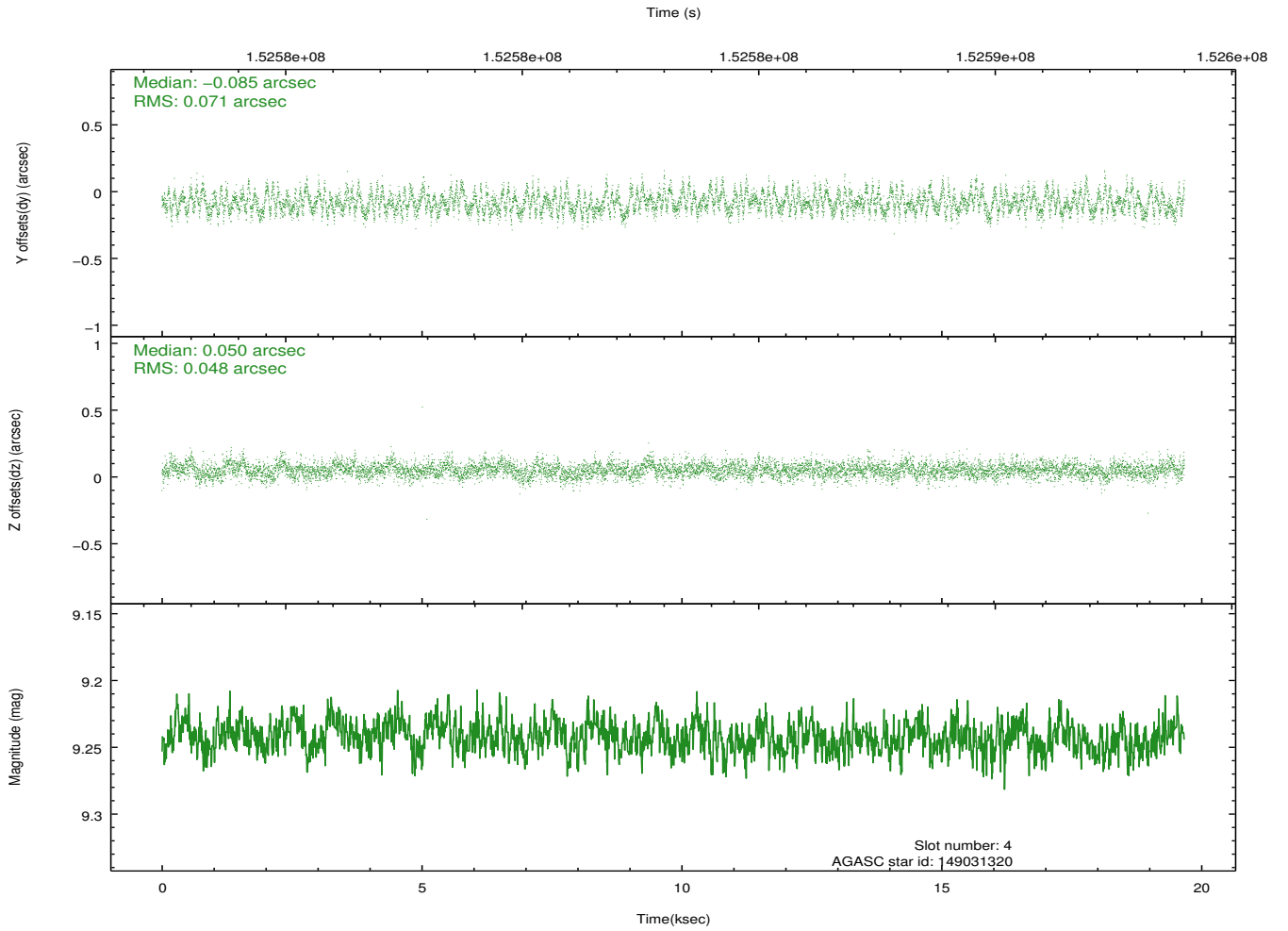
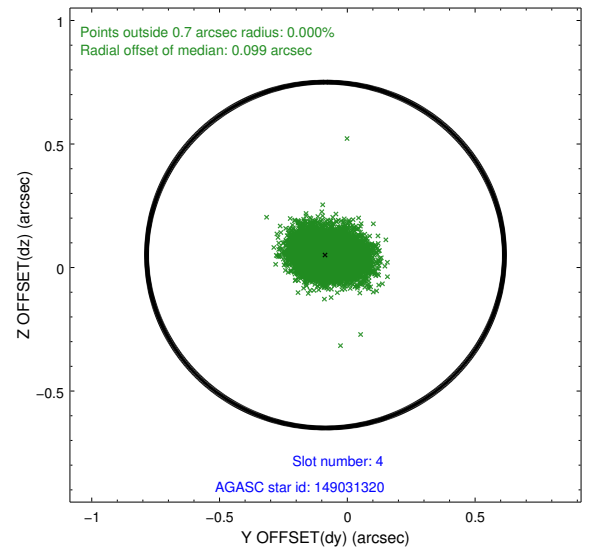
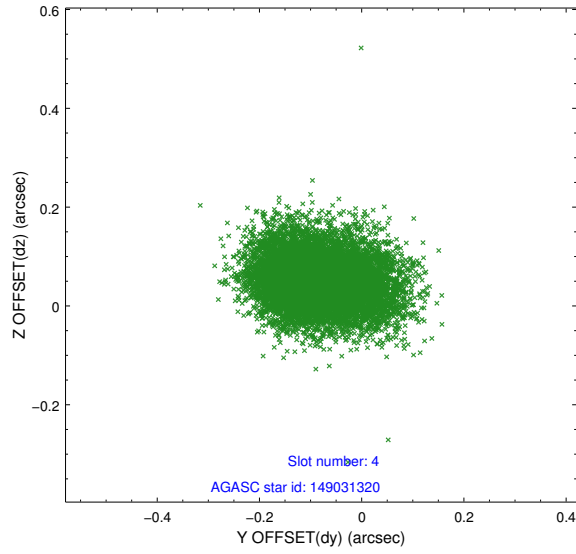
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	4799	-0.019	0.004	0.010	0.015	0.000000	0.000000	-755.27	-1728.33
1	FID	ACIS-S-4	7.20	4799	-0.021	0.008	0.009	0.016	0.000000	0.000000	2157.92	179.96
2	FID	ACIS-S-5	7.24	4799	0.009	-0.003	0.008	0.014	0.000000	0.000000	-1807.83	173.84
3	GUIDE	148899864	9.69	9593	-0.168	-0.126	0.088	0.142	332.292948	8.789261	-2133.35	-2069.80
4	GUIDE	149031320	9.24	9585	-0.085	0.050	0.090	0.149	333.386492	8.866170	-1582.59	1791.27
5	GUIDE	149034728	8.98	9594	0.118	0.124	0.082	0.129	333.393268	7.923123	1742.26	1102.95
6	GUIDE	149037600	9.69	9544	0.136	0.040	0.119	0.202	333.285637	7.767419	2210.23	609.70
7	GUIDE	148899280	9.56	9590	0.006	-0.086	0.102	0.162	332.639920	8.009226	873.48	-1457.67

2.4 Star Slots

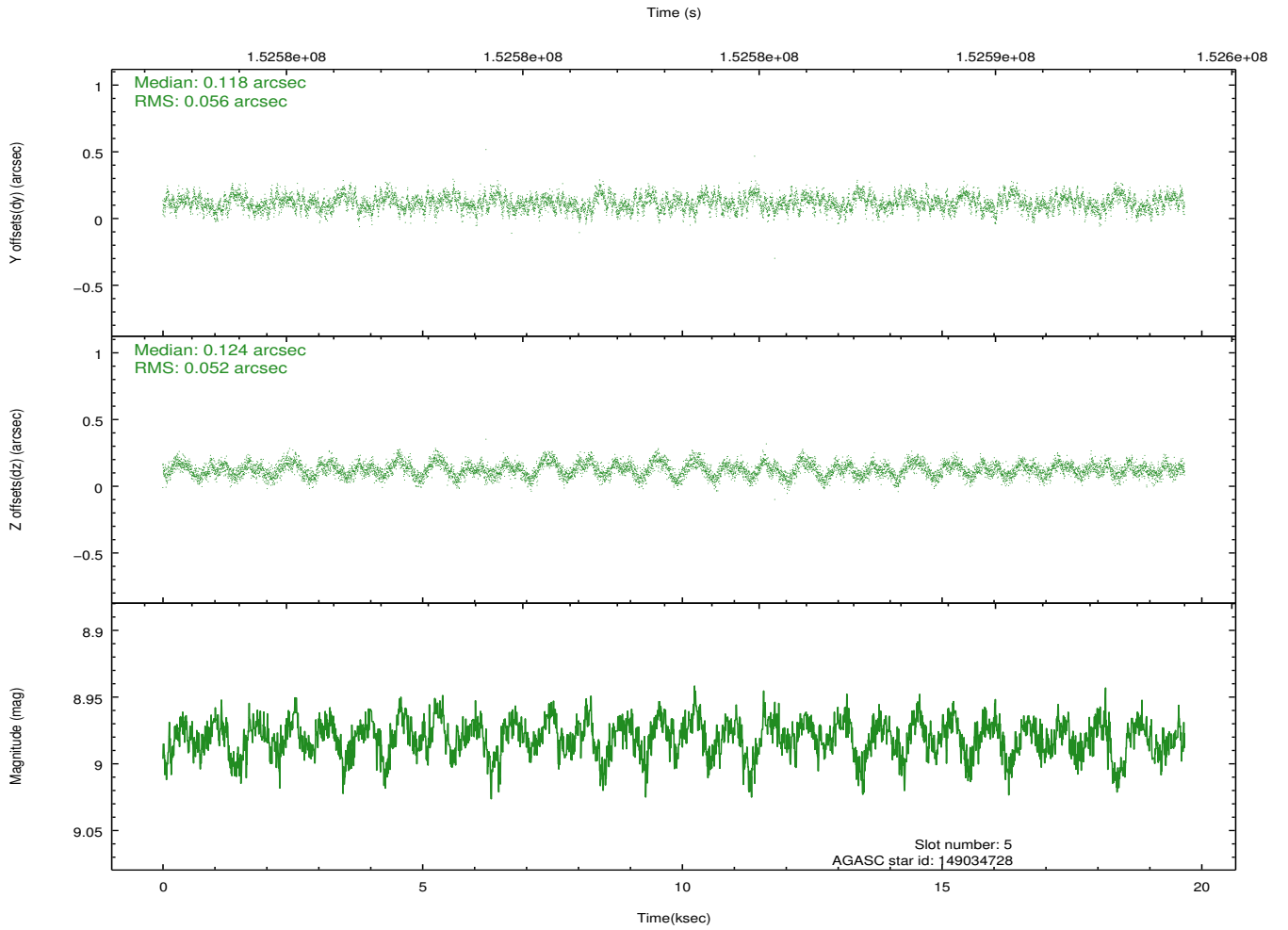
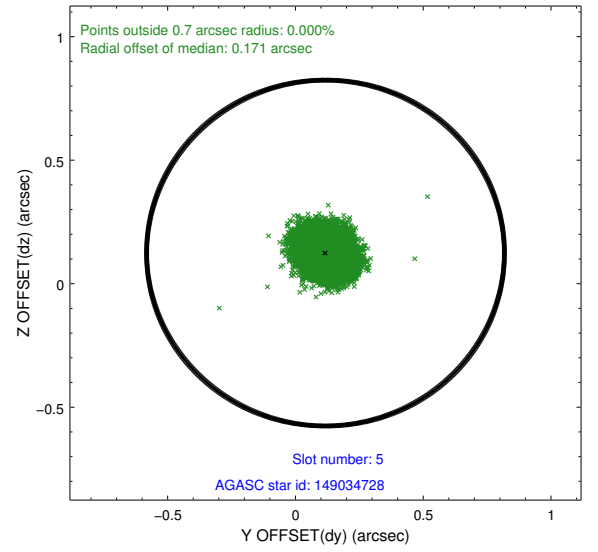
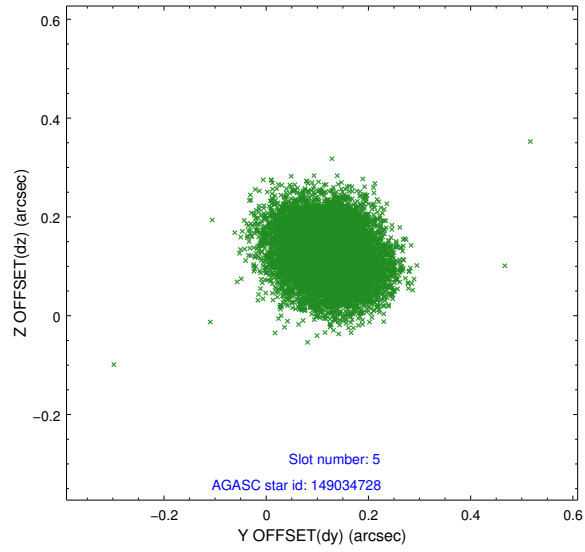
2.4.1 Slot 3



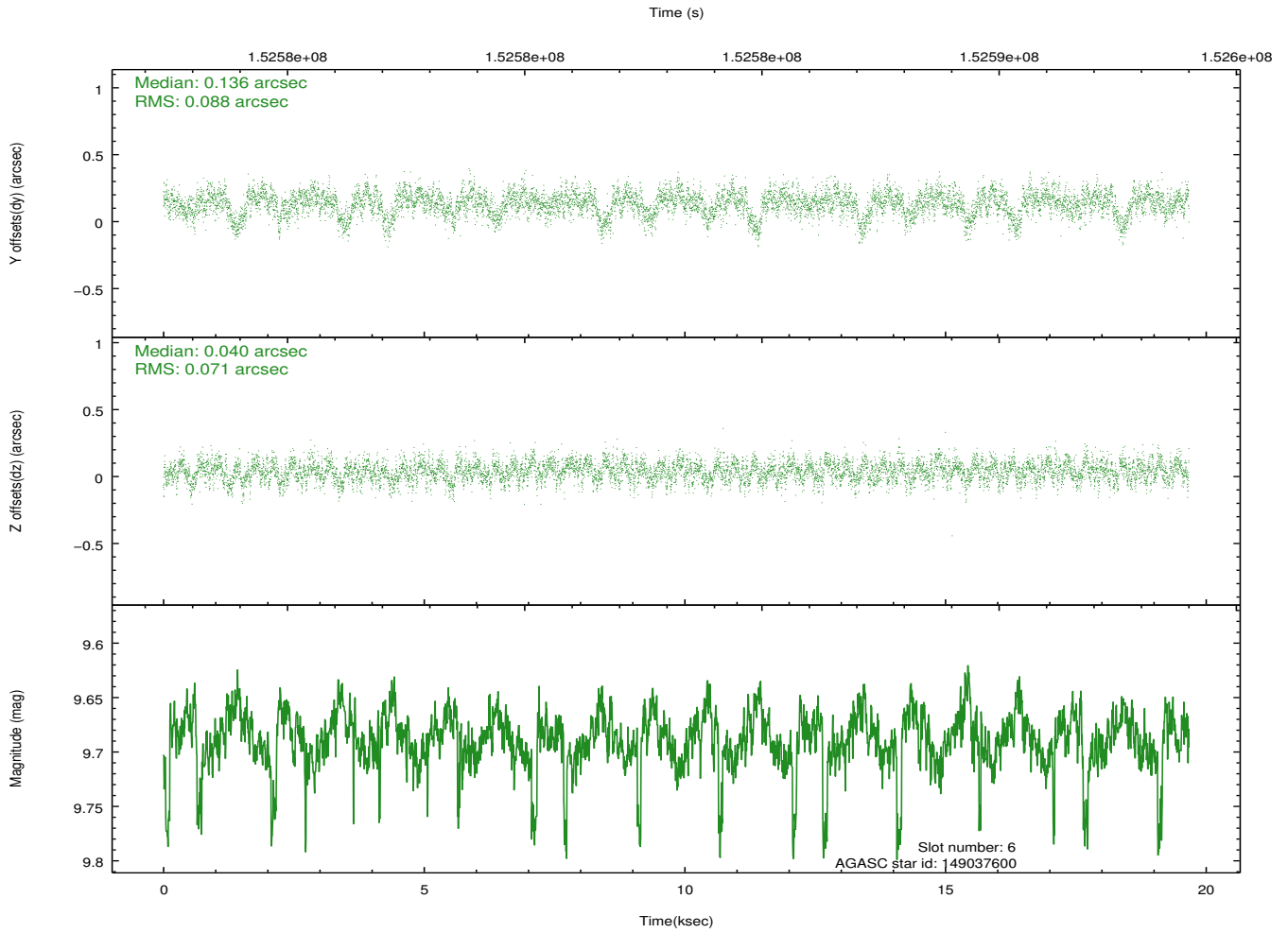
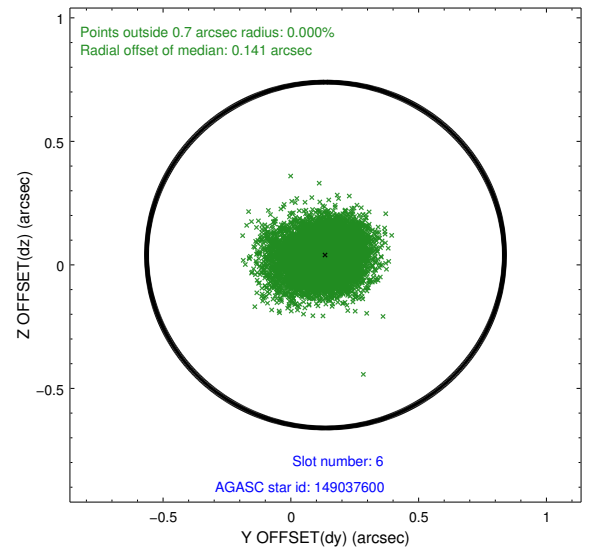
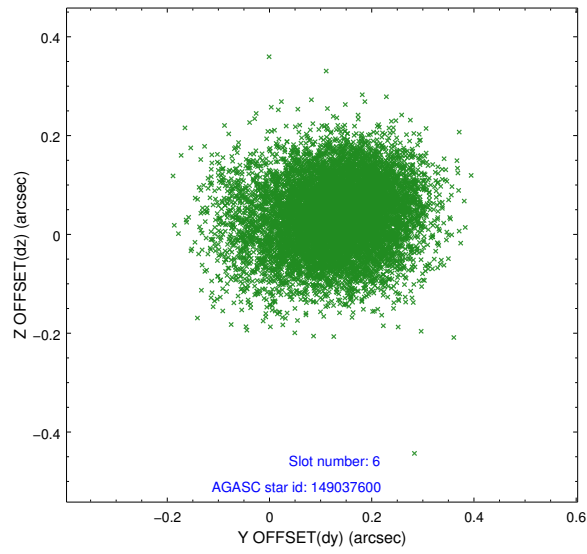
2.4.2 Slot 4



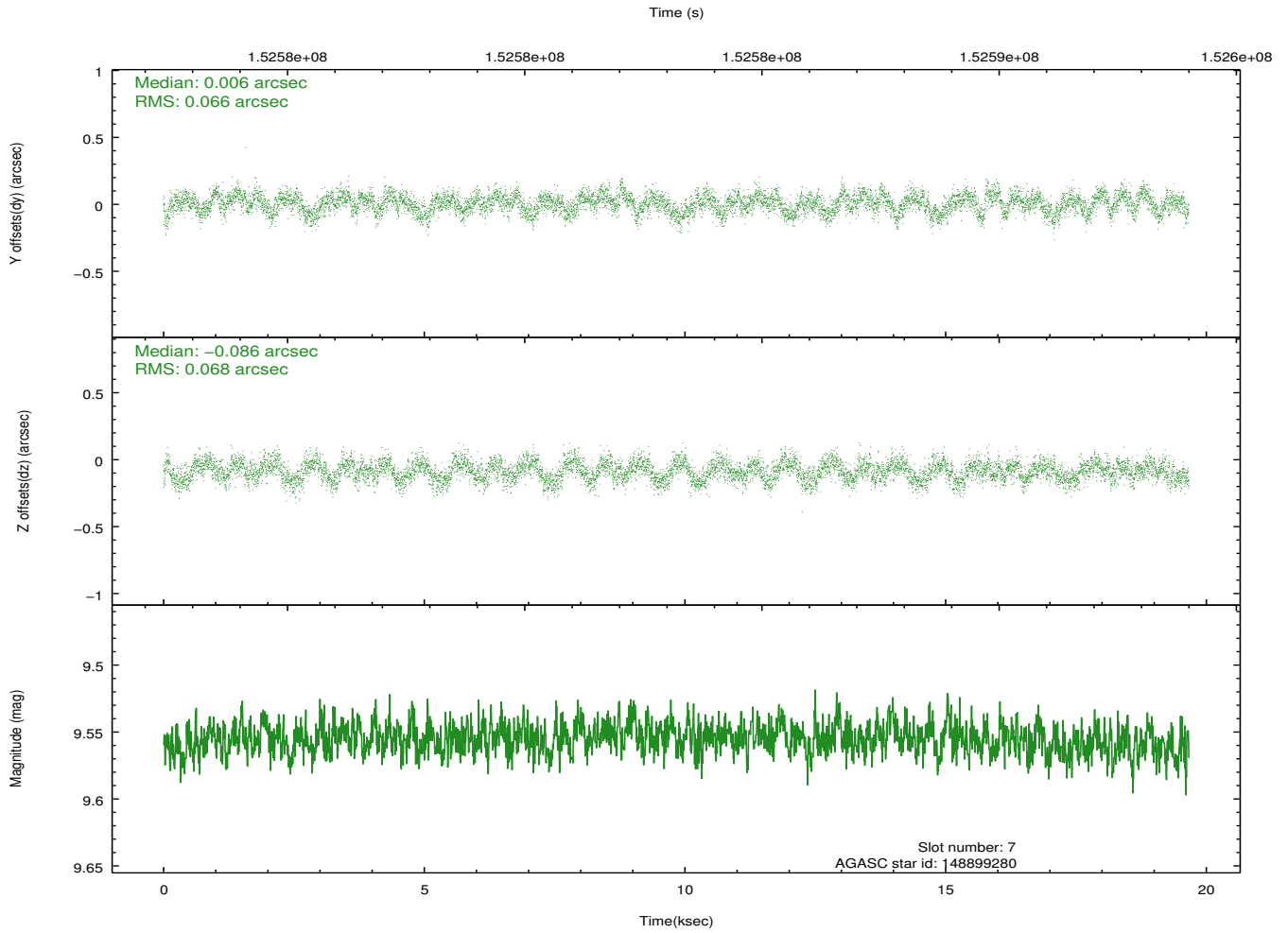
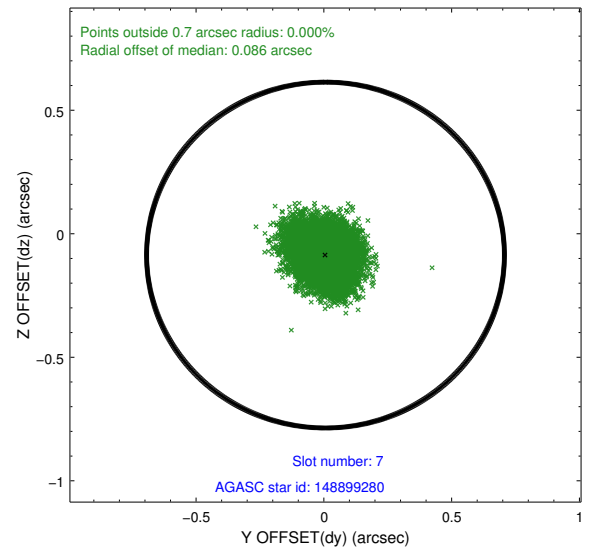
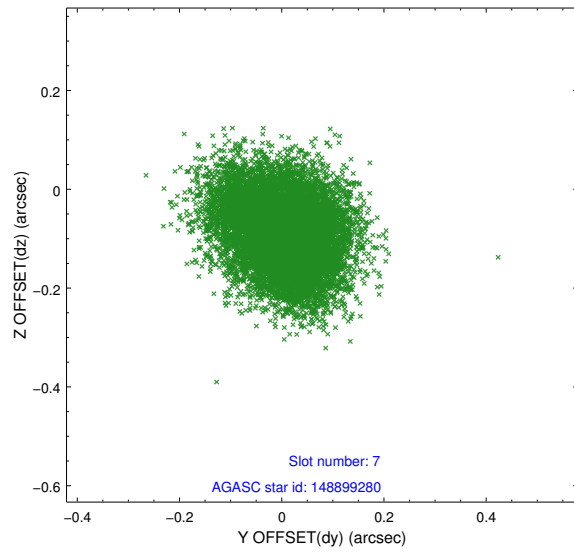
2.4.3 Slot 5



2.4.4 Slot 6

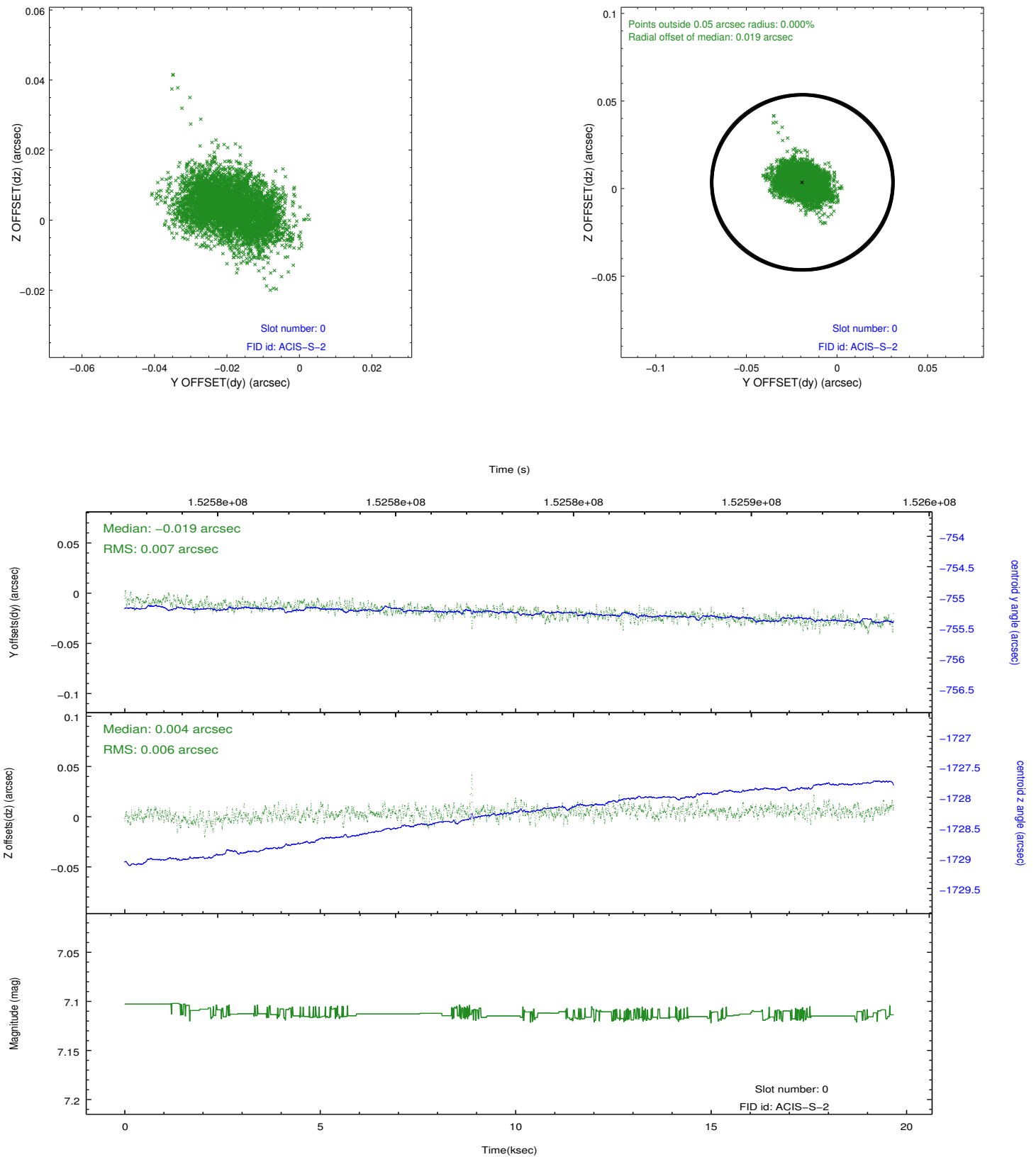


2.4.5 Slot 7

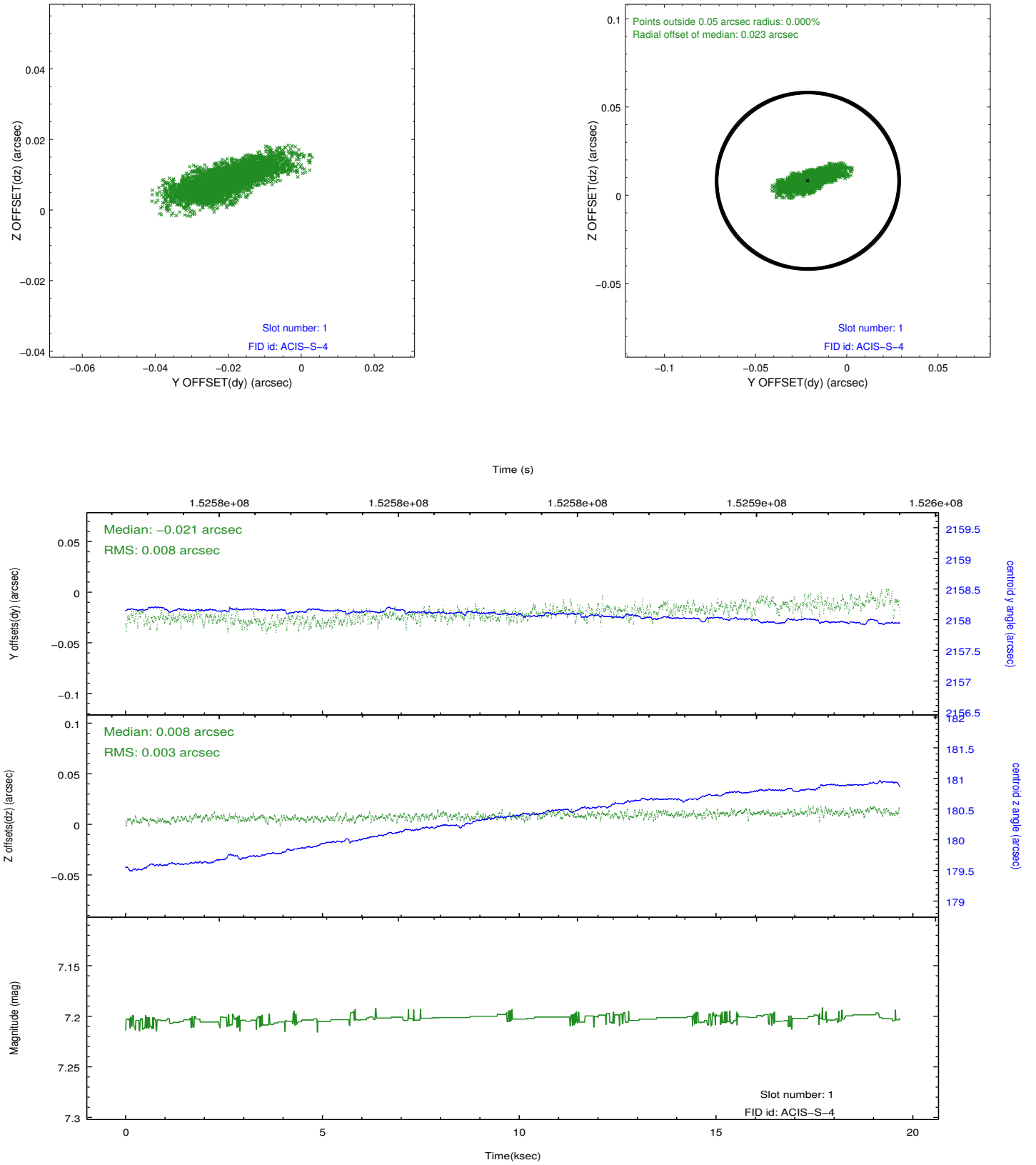


2.5 FID Slots

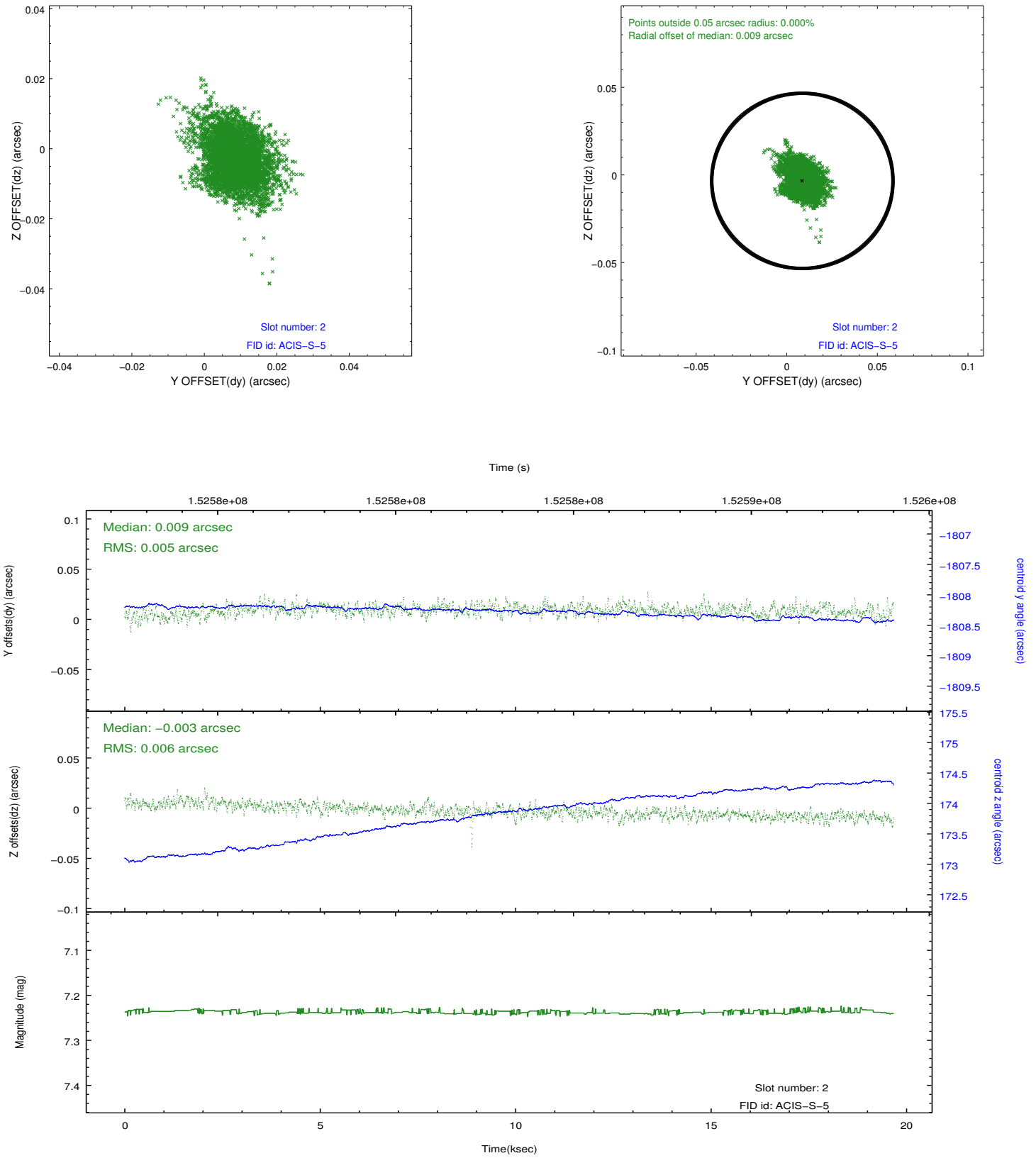
2.5.1 Slot 0



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)	2012.10.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.67

A.2 Comments