

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3404 - L2 Version 3
Chandra X-Ray Center

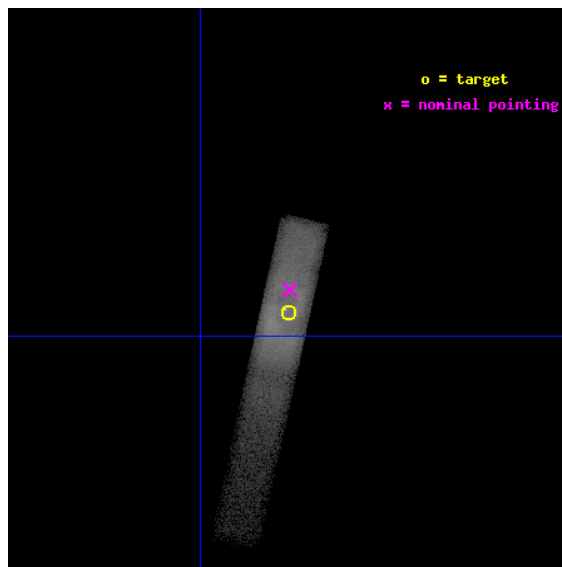
L2 Processing Date : Oct 13 2012

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1 Front

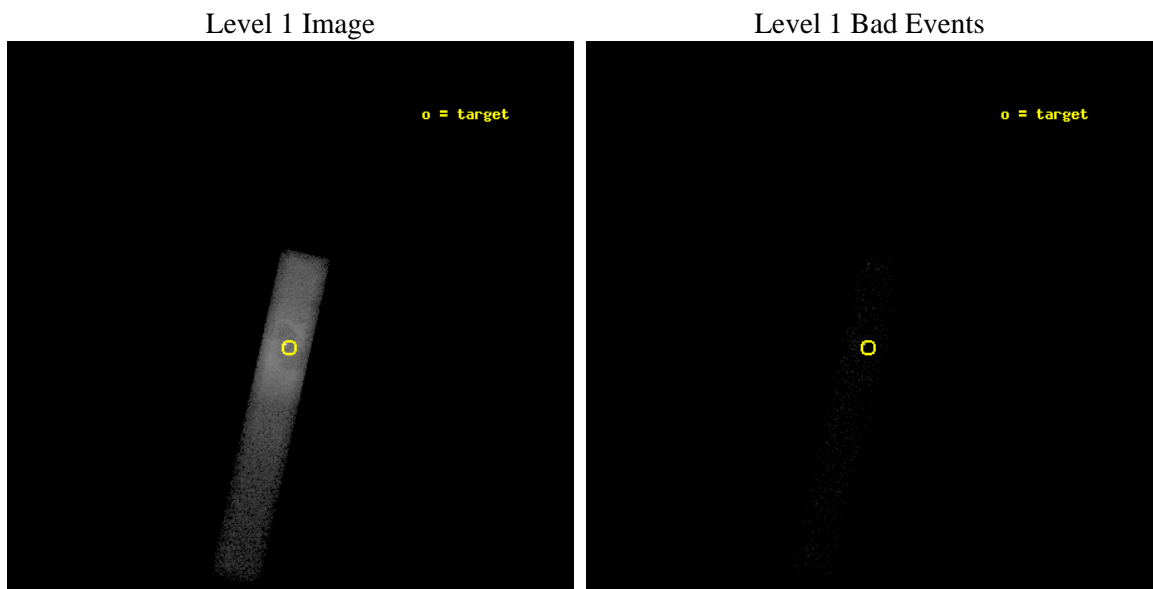
seq_num	800209	Sequence number
obs_id	3404	Observation id
title	A DETAILED STUDY OF THE CORE OF THE PERSEUS CLUSTER	Proposal title
observer	Professor Andrew Fabian	Principal investigator
object	ABELL 426	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	49.948333	Observer's specified target RA [deg]
dec_targ	41.510278	Observer's specified target Dec [deg]
ra_nom	49.947782430403	Nominal RA [deg]
dec_nom	41.519953630387	Nominal Dec [deg]
roll_nom	102.46994721043	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5858.4000872672	Sum of GTIs [s]
livetime	5313.2596474398	Livetime [s]
ontime7	5858.4000872672	Sum of GTIs [s]
l2events	112345	Number of level 2 events



2 OBI

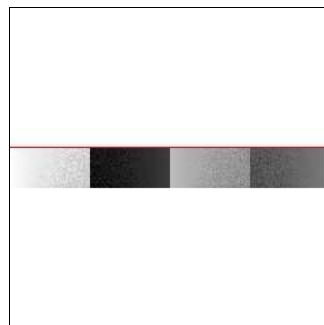
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5858.4000872672	Sum of GTIs [s]
caldsver	4.5.2	 	ontime7	5858.4000872672	Sum of GTIs [s]
date	2012-10-14T00:30:13	Date and time of file creation	l1events	118612	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

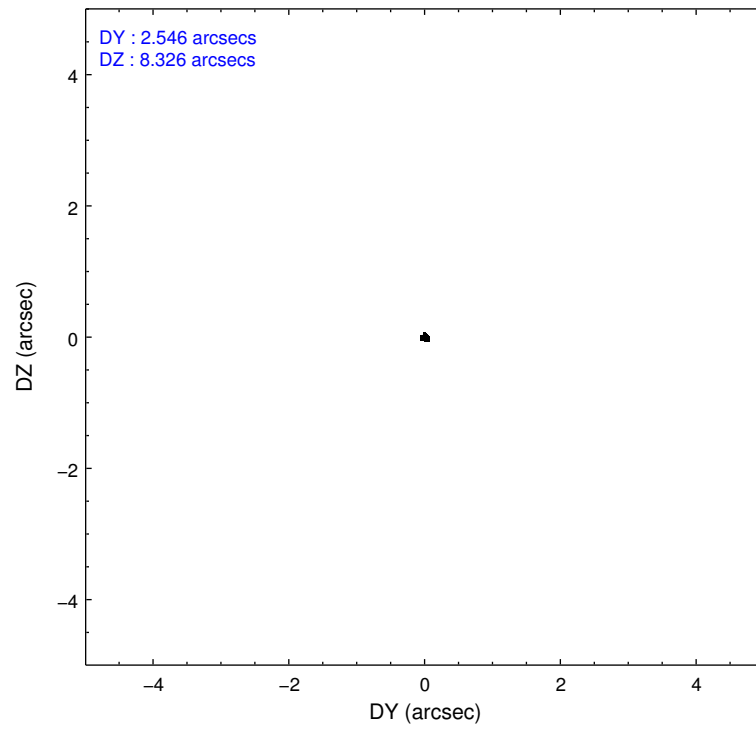
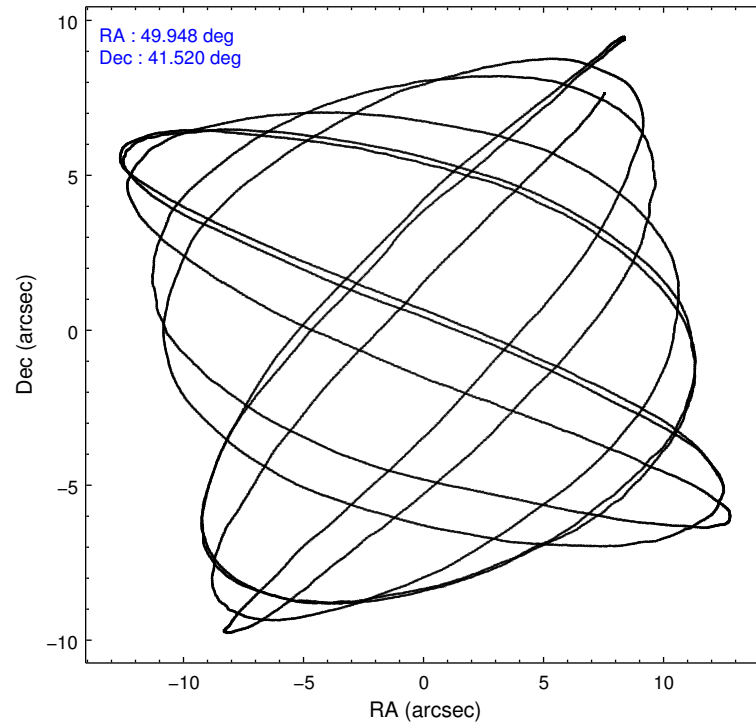
	ccd 7
level 1 events	118612
rejected events	5227
rejected %	4%

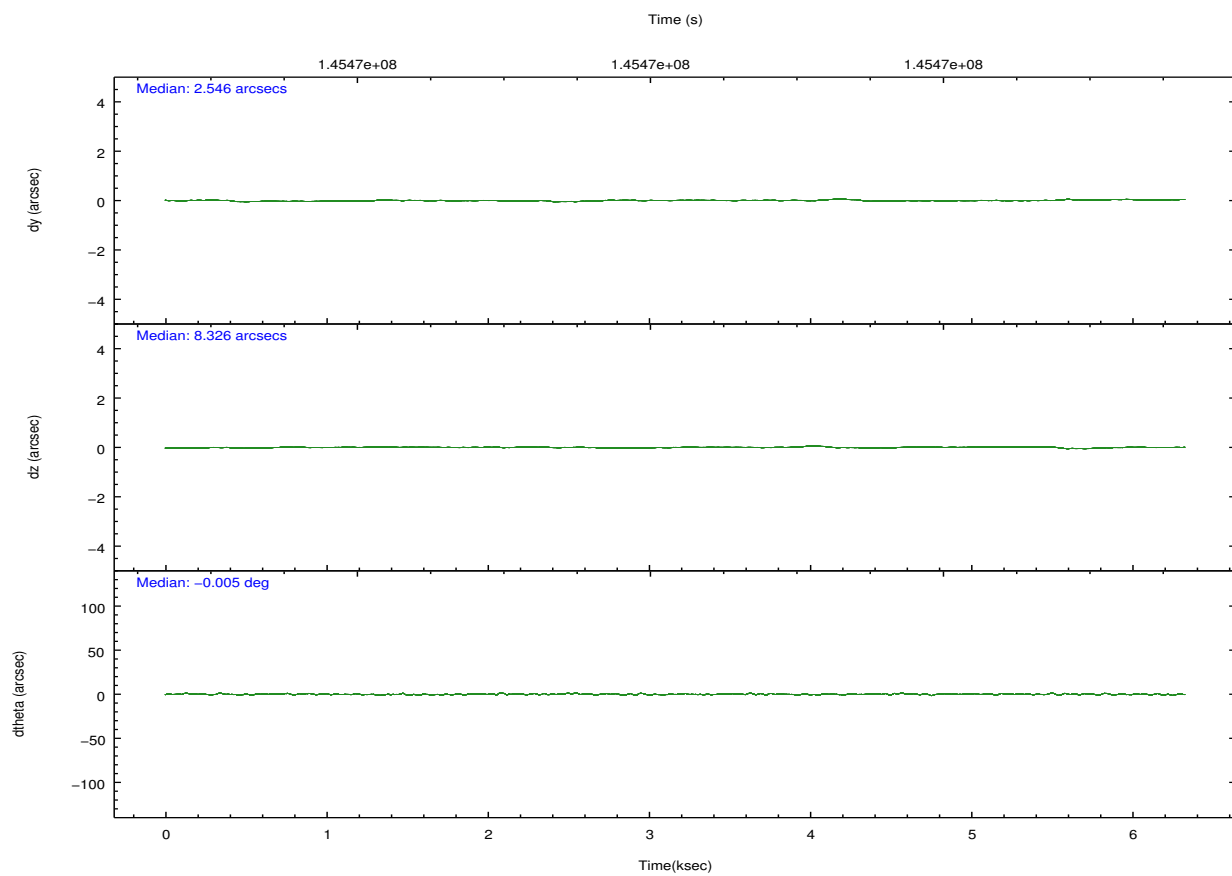
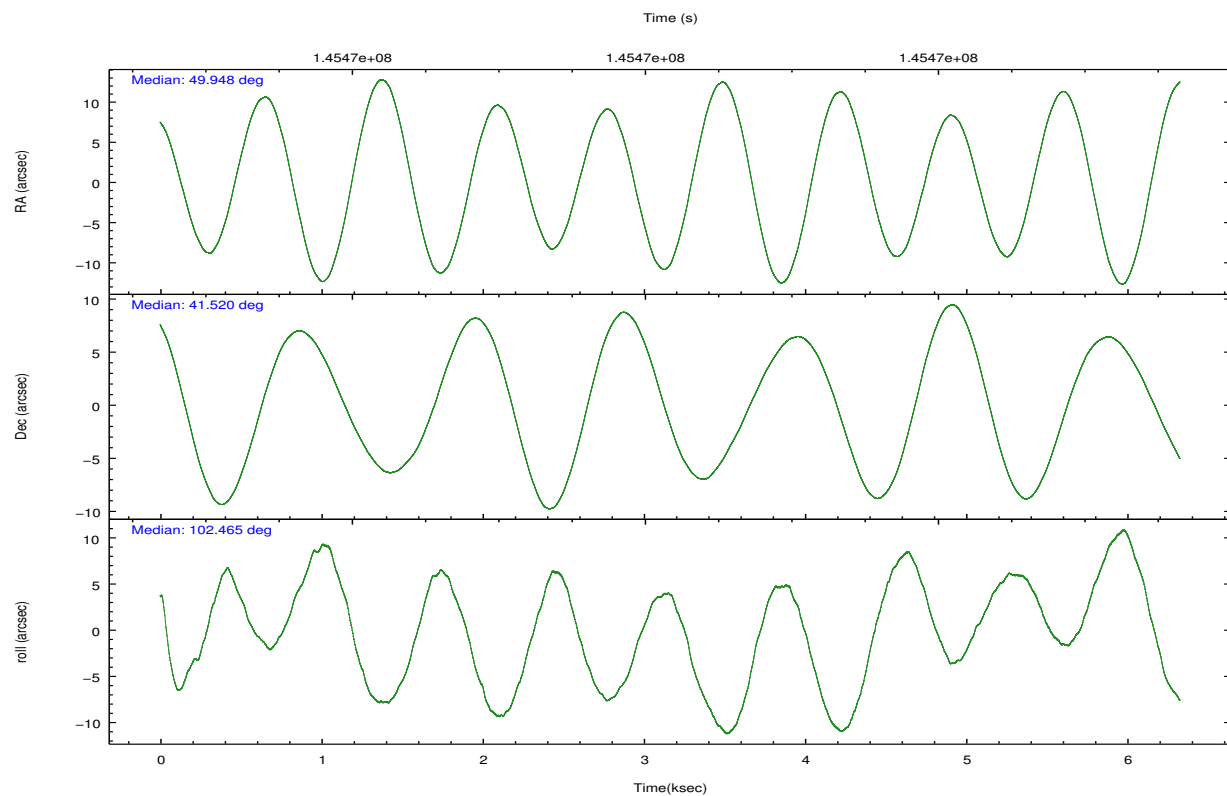
	ccd 7
grade 0 events	32015
	26%
grade 1 events	135
	0%
grade 2 events	29661
	25%
grade 3 events	13463
	11%
grade 4 events	13267
	11%
grade 5 events	1658
	1%
grade 6 events	24992
	21%
grade 7 events	3421
	2%

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	49.972707	49.94778243040348	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	41.500106	41.51995363038739	Subarray start row	449	449
[deg] Pointing Roll	102.296800	102.4699472104341	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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	145470330.184000	145468800.18192			
Observation start date	2002-08-11T16:24:26	2002-08-11T16:00:00			
[s] Observation end time (MET)	145475330.184000	145475858.84471			
Observation end date	2002-08-11T17:47:46	2002-08-11T17:57:38			
Read mode	TIMED	TIMED			

2.3 Aspect



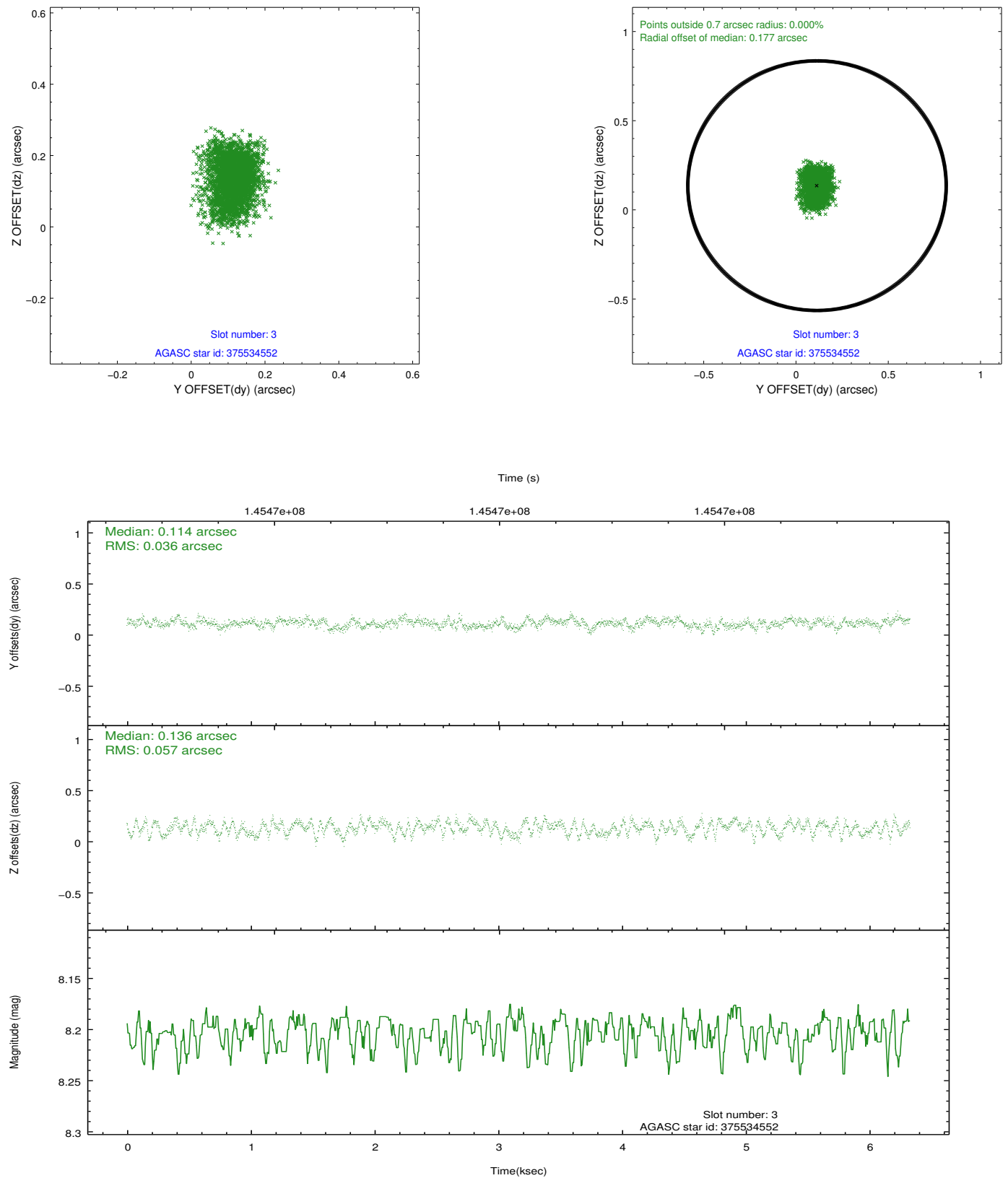


Slot Statistics

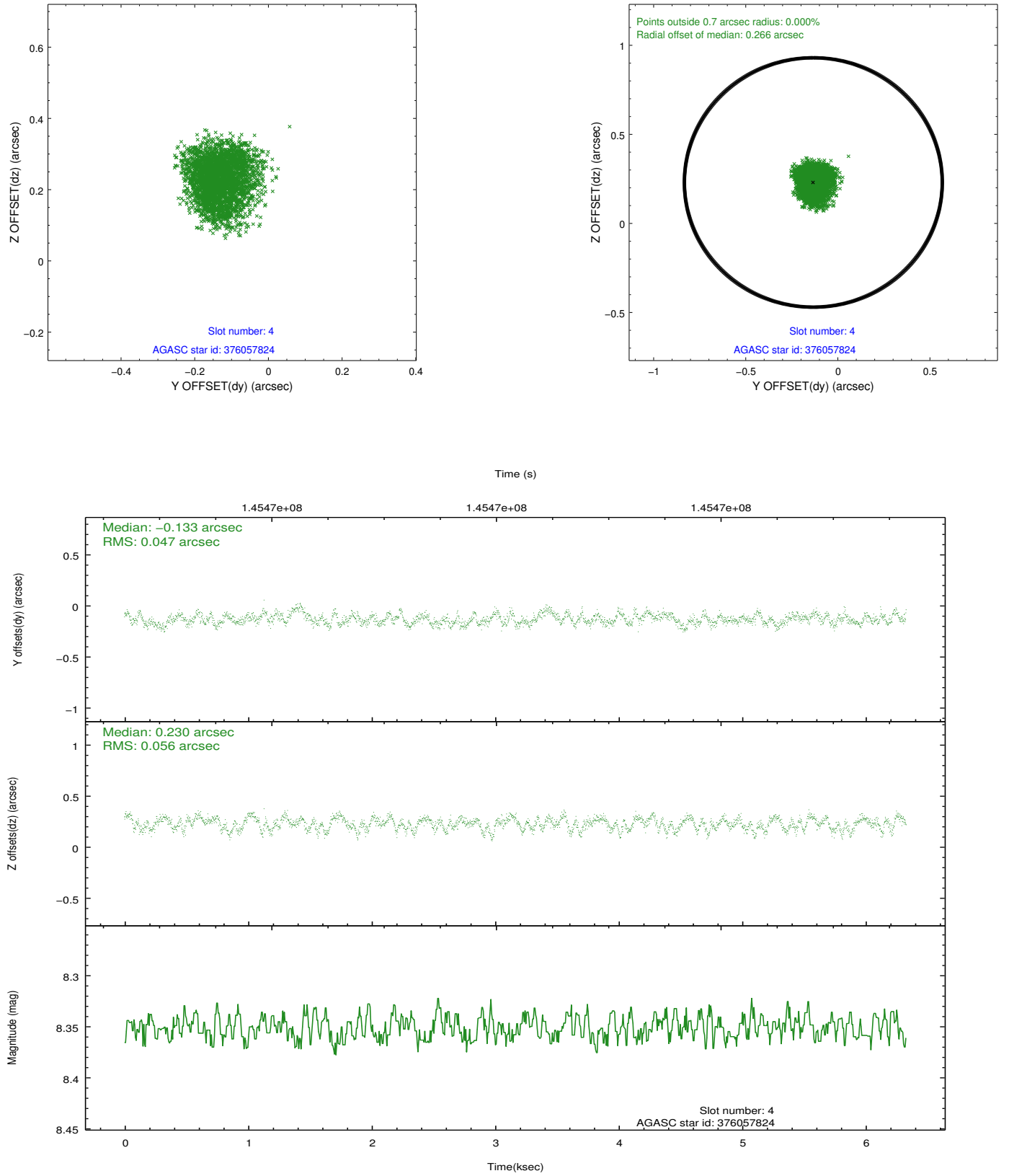
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	1544	0.042	0.007	0.007	0.011	0.000000	0.000000	940.89	-1725.15
1	FID	ACIS-S-2	7.11	1543	-0.043	0.028	0.006	0.011	0.000000	0.000000	-754.57	-1730.63
2	FID	ACIS-S-6	7.36	1544	-0.019	-0.030	0.006	0.010	0.000000	0.000000	406.08	815.19
3	GUIDE	375534552	8.20	3086	0.114	0.136	0.072	0.116	50.877490	41.206927	-1540.76	-2171.67
4	GUIDE	376057824	8.35	3087	-0.133	0.230	0.079	0.122	50.665569	41.926280	1110.26	-2141.41
5	GUIDE	373817952	8.74	3088	0.190	-0.147	0.061	0.101	49.913424	40.978510	-1800.11	556.93
6	GUIDE	373826120	8.91	3086	0.062	-0.097	0.073	0.117	49.738165	41.186341	-968.33	861.84
7	GUIDE	374356920	9.47	3085	-0.236	-0.116	0.098	0.157	49.733740	42.091452	2215.96	171.07

2.4 Star Slots

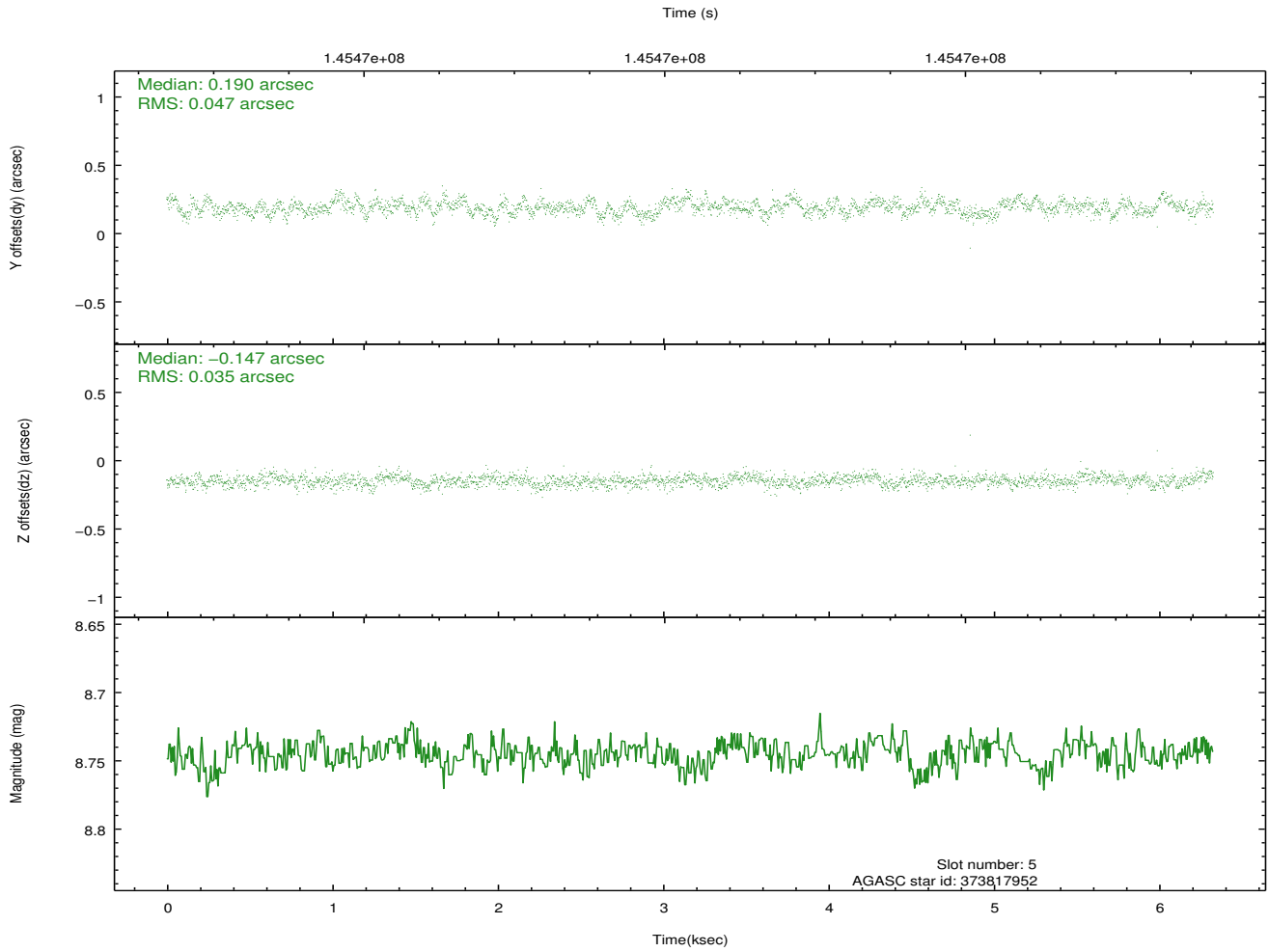
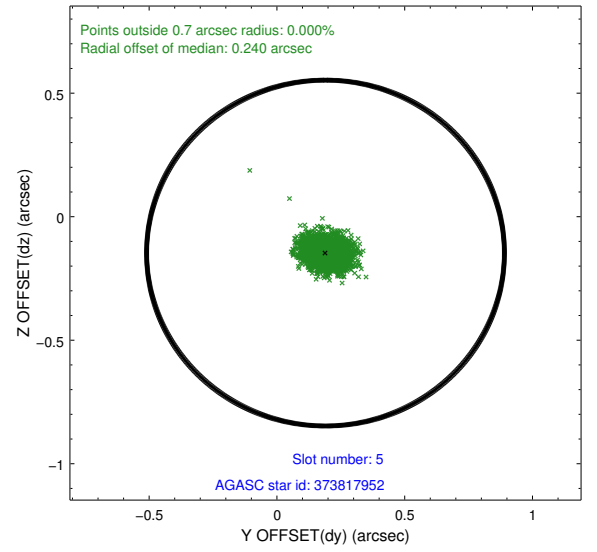
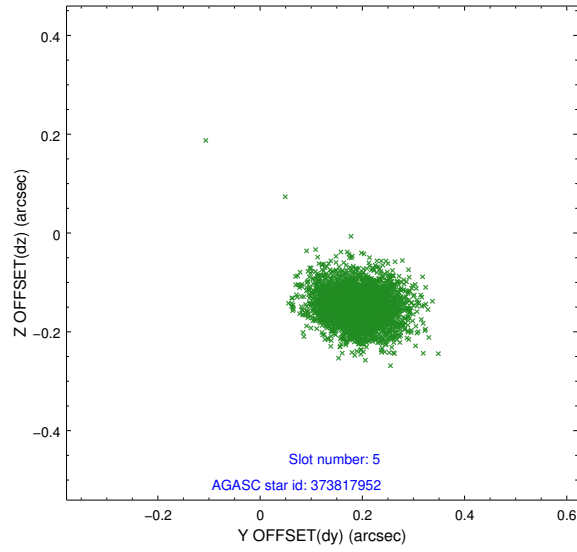
2.4.1 Slot 3



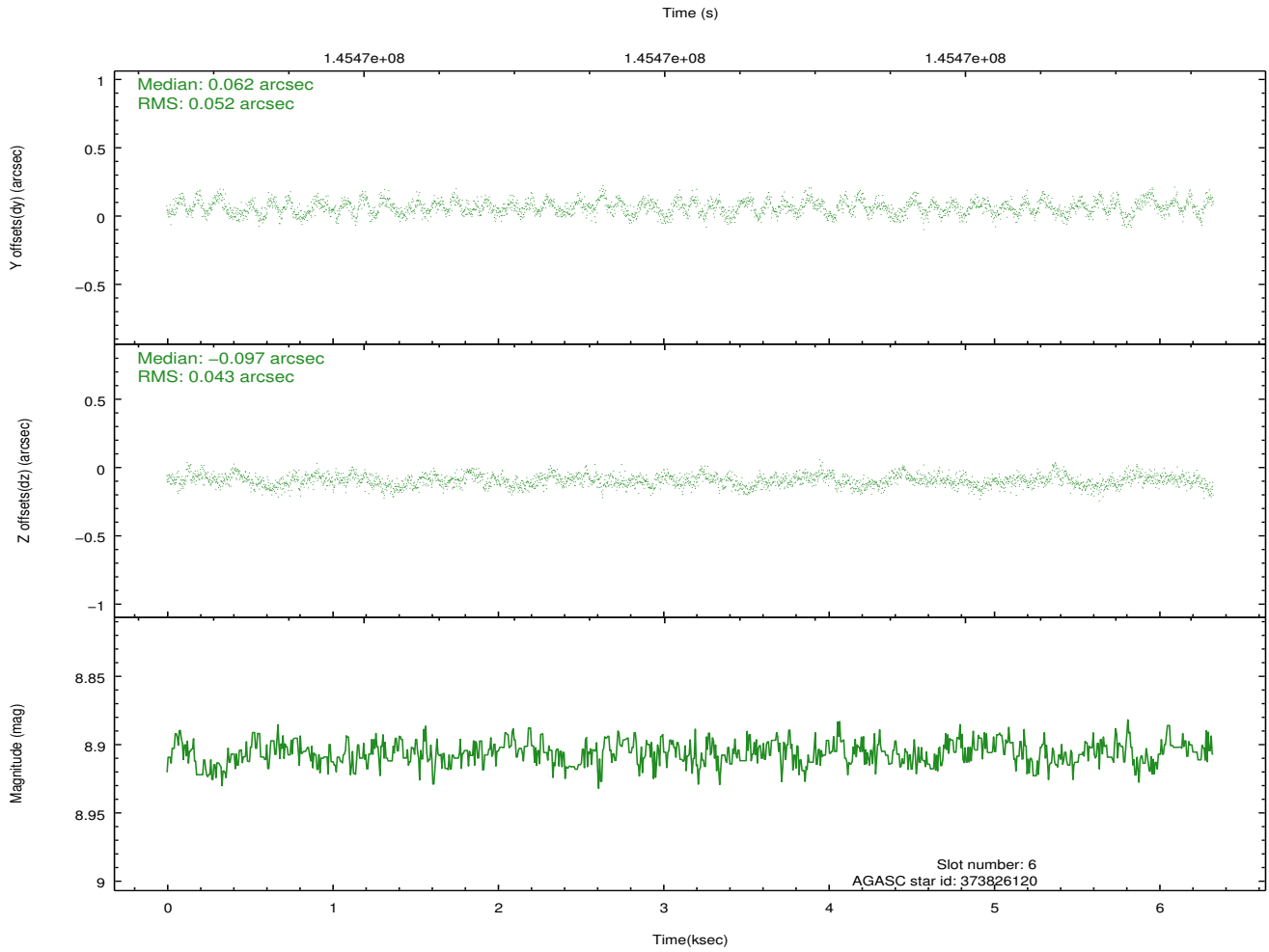
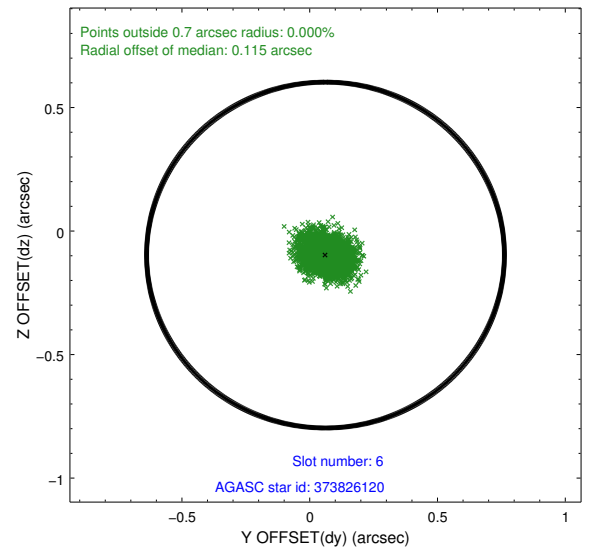
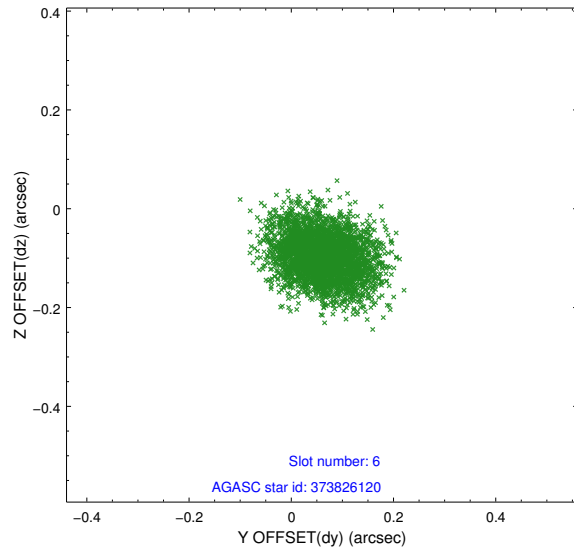
2.4.2 Slot 4



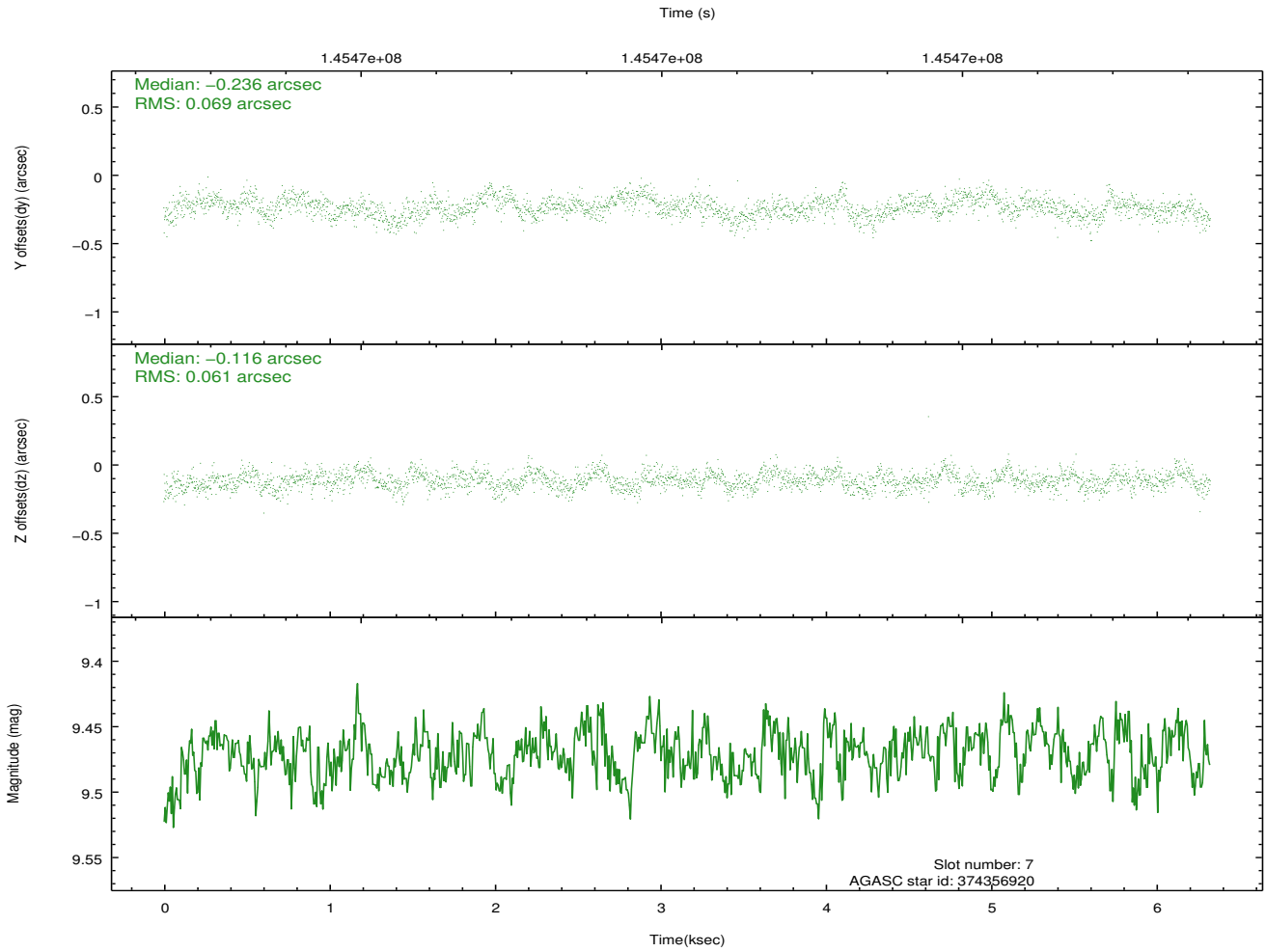
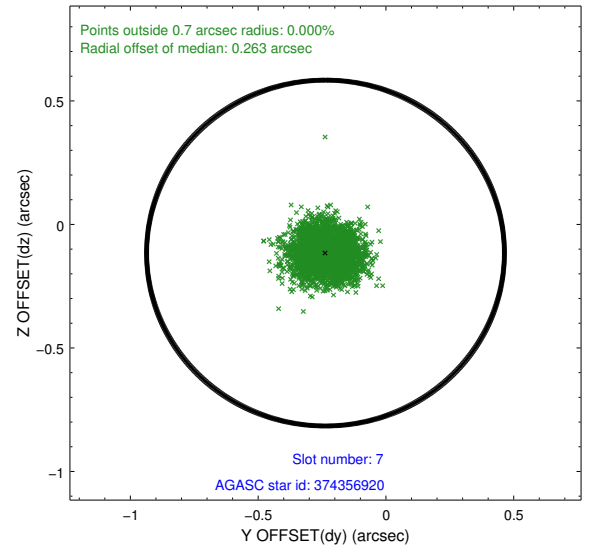
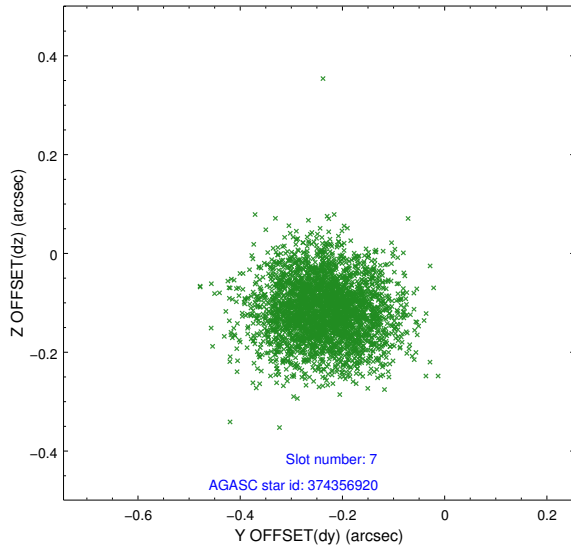
2.4.3 Slot 5



2.4.4 Slot 6

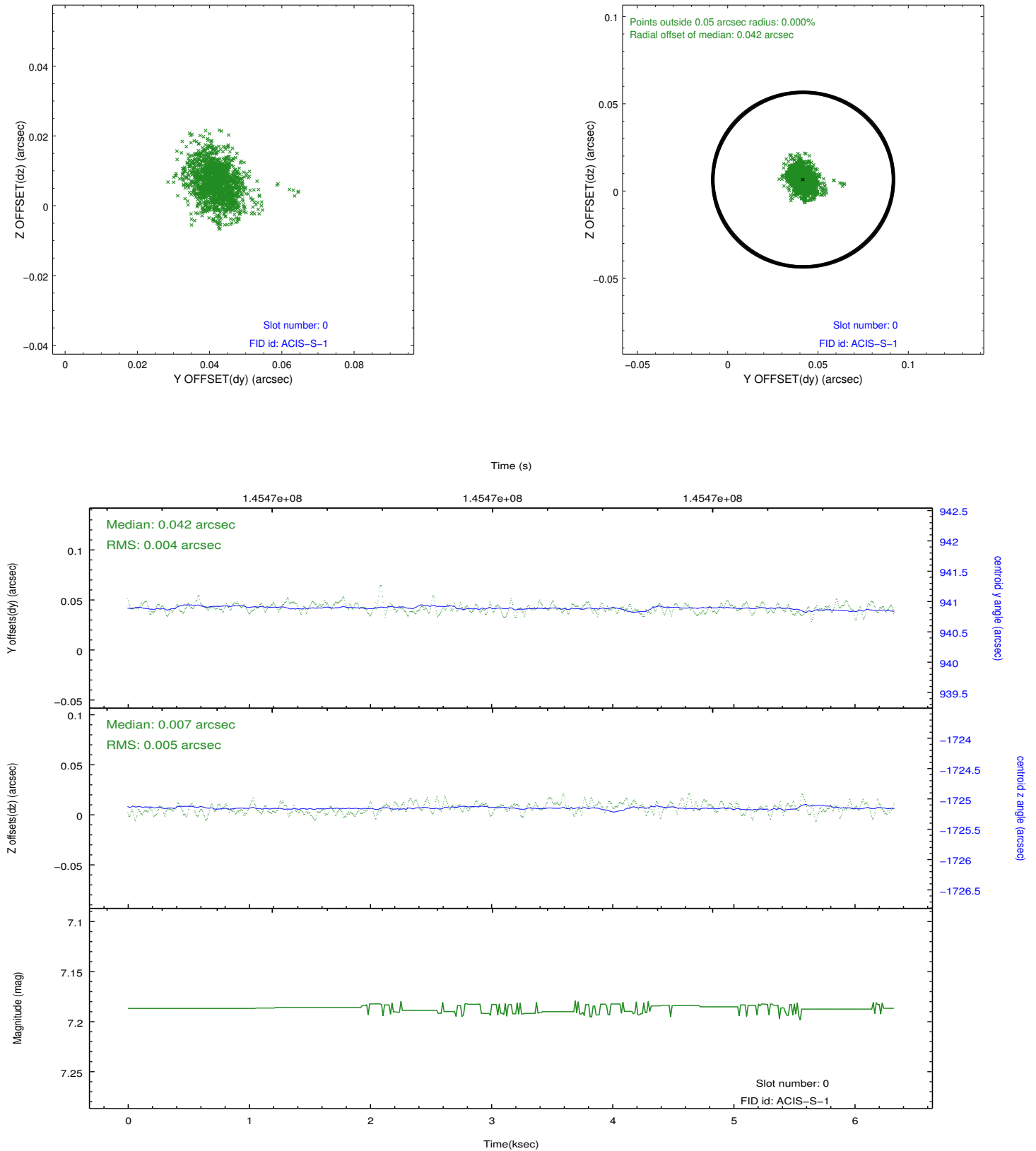


2.4.5 Slot 7

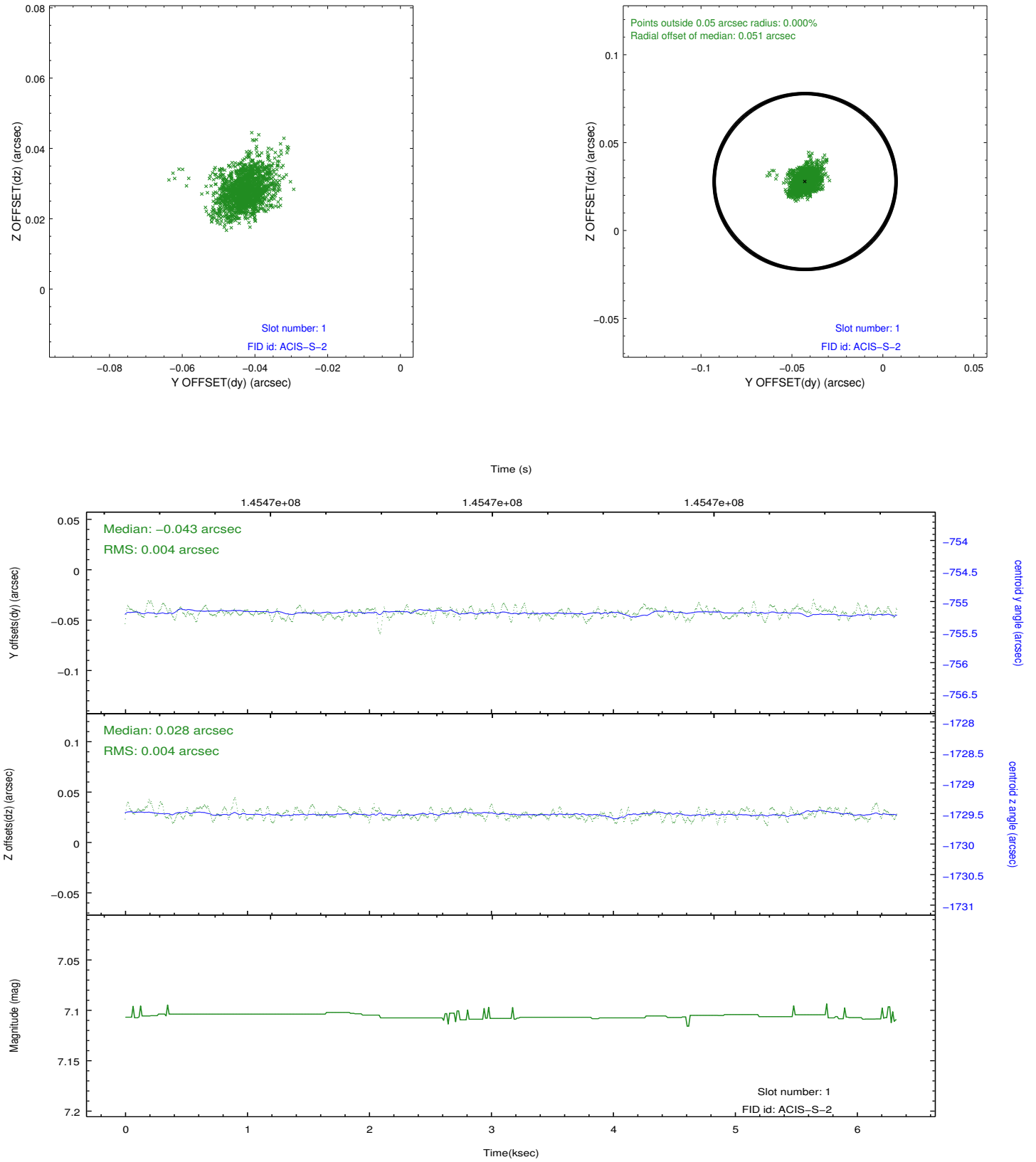


2.5 FID Slots

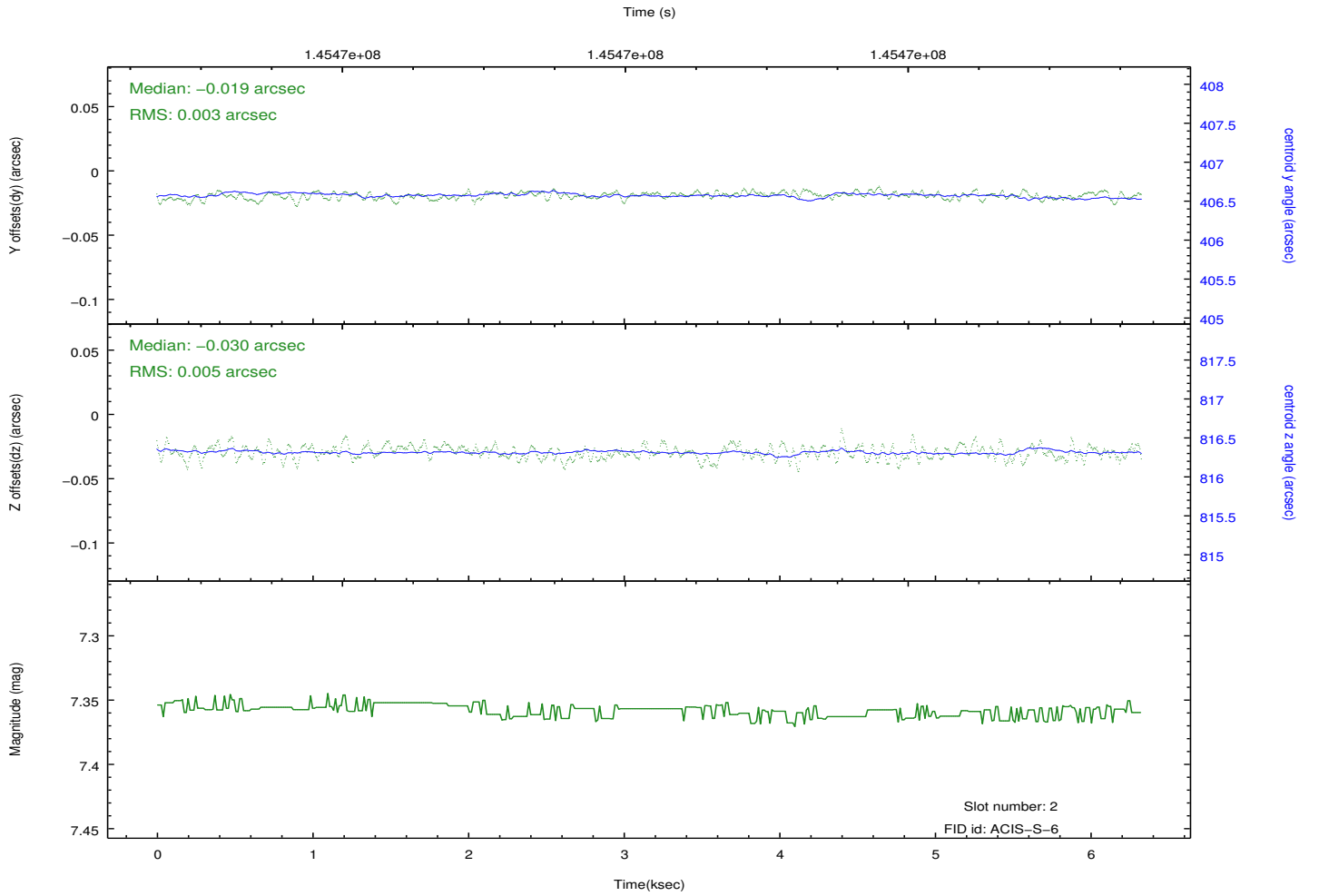
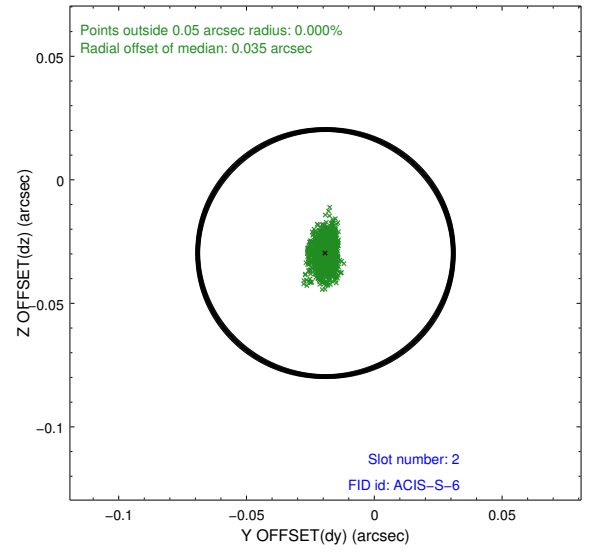
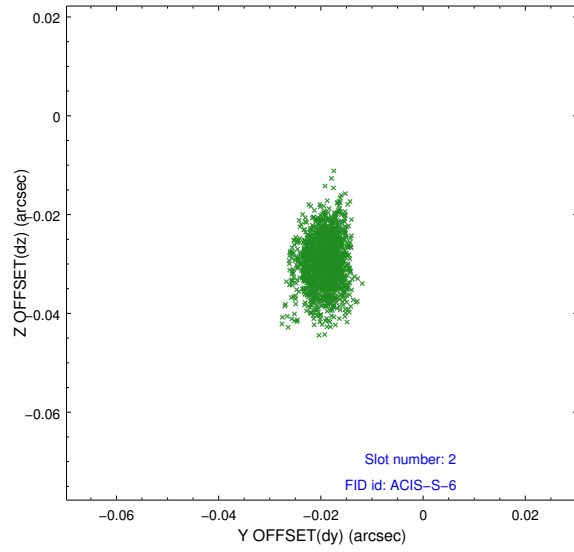
2.5.1 Slot 0



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)	2012.10.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.858

A.2 Comments