

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10282 - L2 Version 2
Chandra X-Ray Center

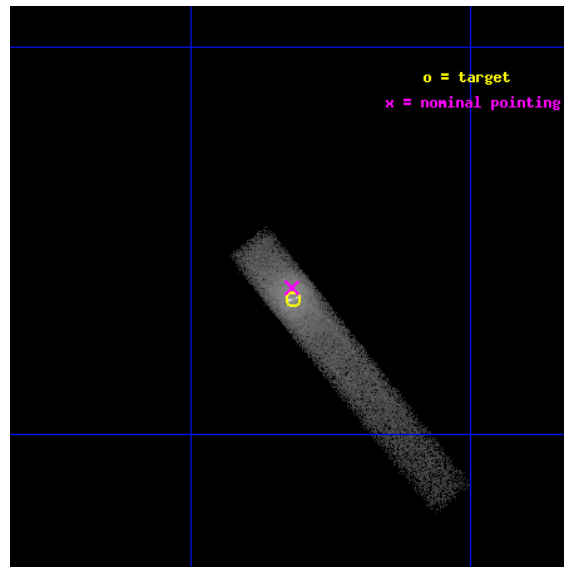
L2 Processing Date : May 24 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

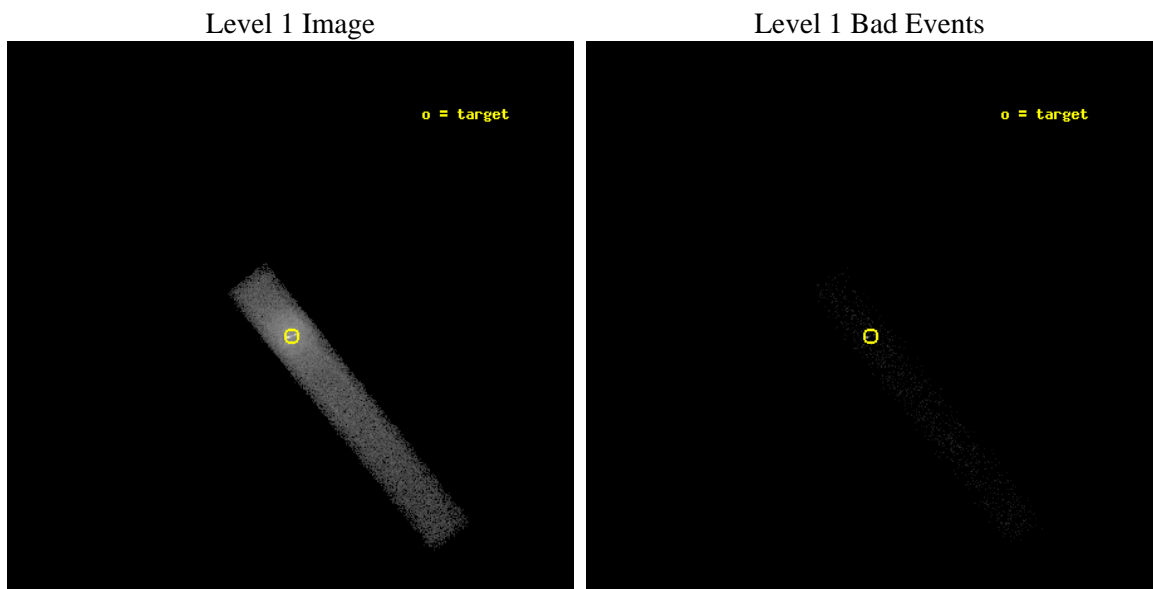
seq_num	701825	Sequence number
obs_id	10282	Observation id
title	Tracking the Aftermath of the Giant Flare in the M87 Jet	Proposal
observer	Dr. Daniel Harris	Principal investigator
object	M87	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.704167	Observer's specified target RA [deg]
dec_targ	12.391667	Observer's specified target Dec [deg]
ra_nom	187.70483327278	Nominal RA [deg]
dec_nom	12.396516626957	Nominal Dec [deg]
roll_nom	51.15651276406	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5185.5996909142	Sum of GTIs [s]
livetime	4703.0652012644	Livetime [s]
ontime7	5185.5996909142	Sum of GTIs [s]
l2events	53893	Number of level 2 events



2 OBI

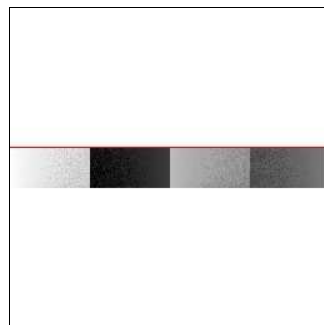
2.1 OBI

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	8.4.4	Processing system revision	ontime	5185.5996909142	Sum of GTIs [s]
caldsver	4.4.9	 	ontime7	5185.5996909142	Sum of GTIs [s]
date	2012-05-24T02:21:16	Date and time of file creation	l1events	62653	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

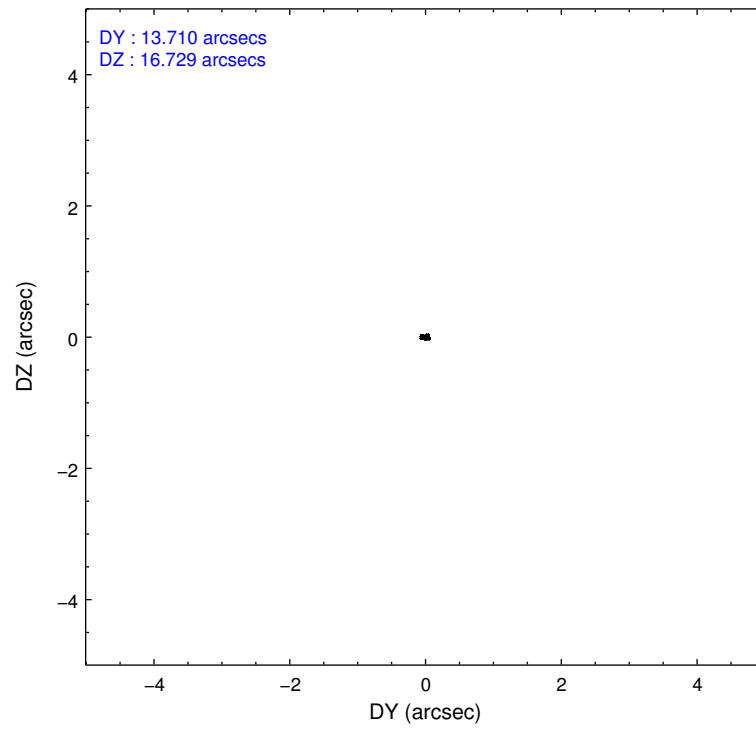
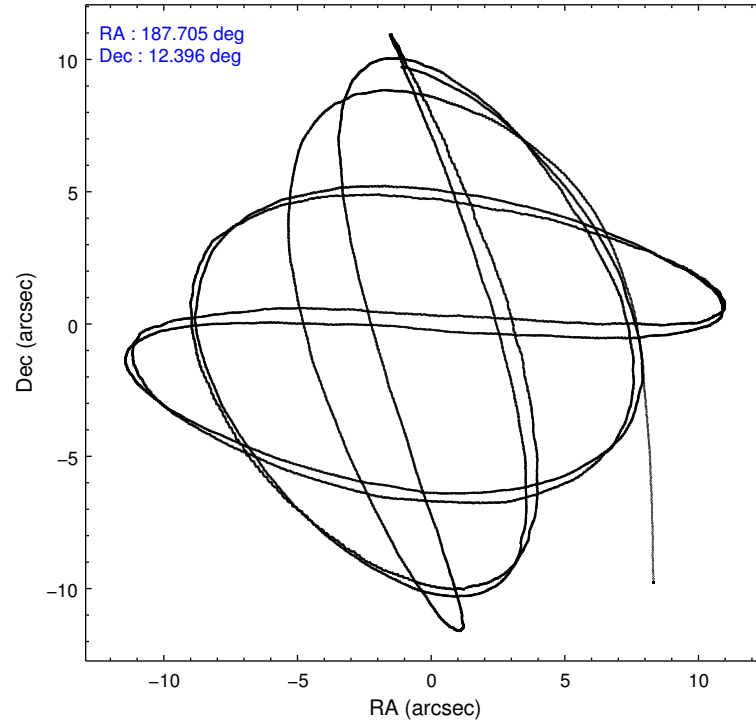
	ccd 7
level 1 events	62653
rejected events	8100
rejected %	12%

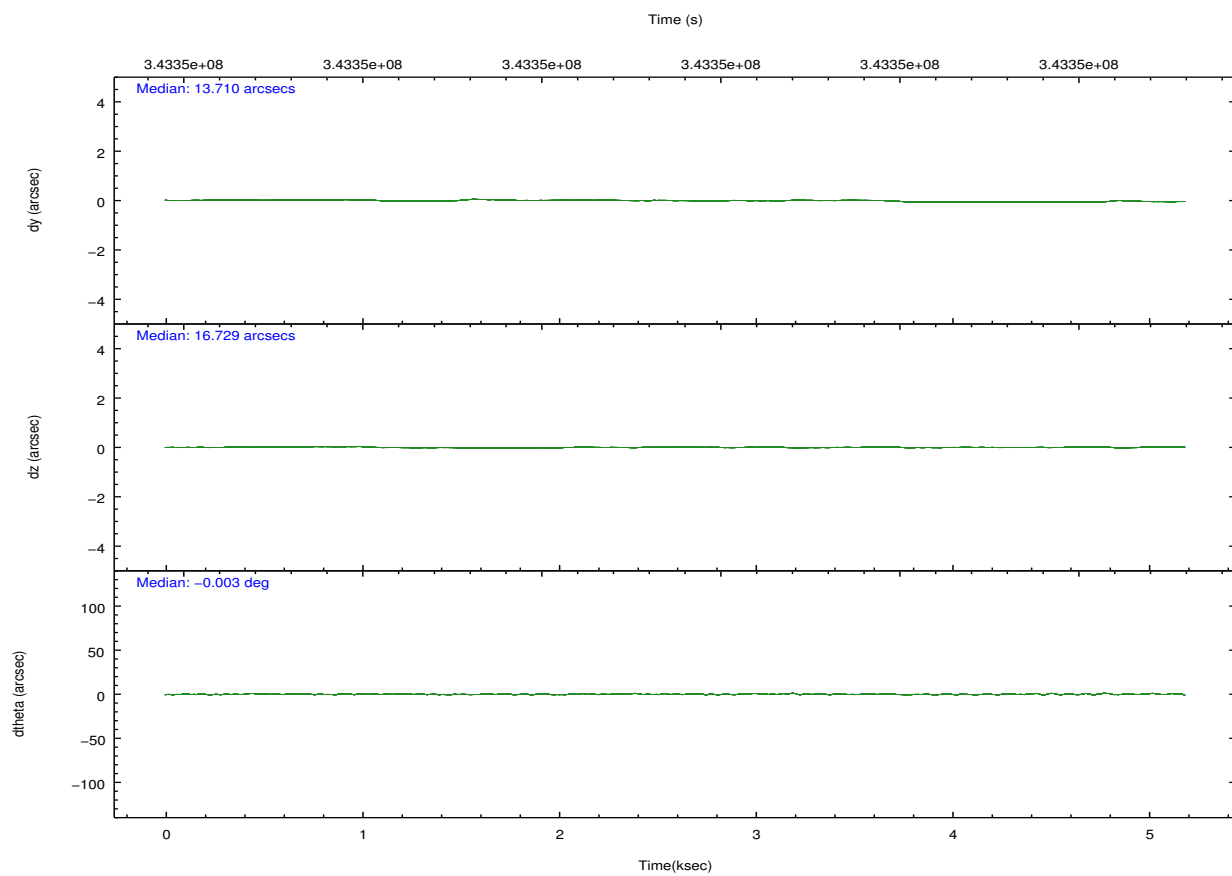
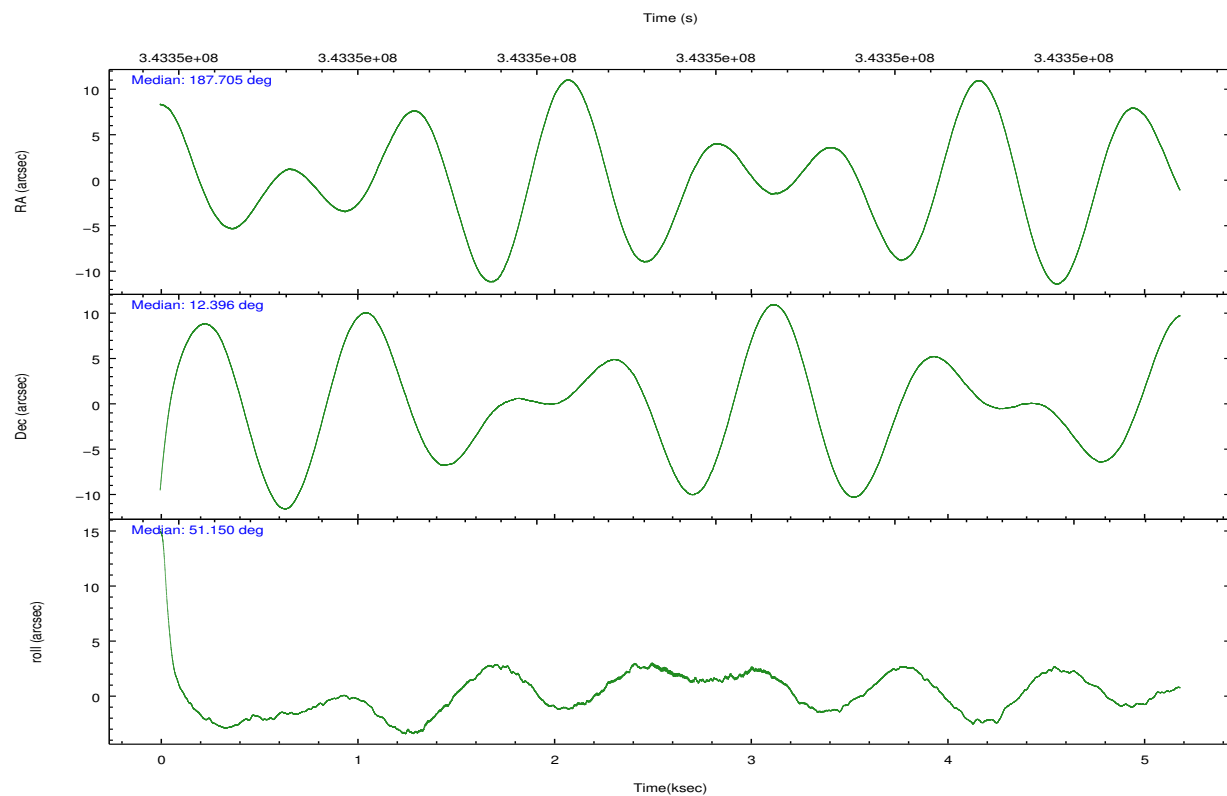
	ccd 7
grade 0 events	17303
	27%
grade 1 events	64
	0%
grade 2 events	14484
	23%
grade 3 events	6753
	10%
grade 4 events	6511
	10%
grade 5 events	1366
	2%
grade 6 events	11383
	18%
grade 7 events	4789
	7%

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	187.700860	187.7048332727778	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	12.369400	12.39651662695703	Subarray start row	449	449
[deg] Pointing Roll	51.000705	51.15651276405984	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)	343349331.184000	343348465.07207			
Observation start date	2008-11-17T22:47:46	2008-11-17T22:34:25			
[s] Observation end time (MET)	343354331.184000	343355725.65993			
Observation end date	2008-11-18T00:11:06	2008-11-18T00:35:25			
Read mode	TIMED	TIMED			

2.3 Aspect



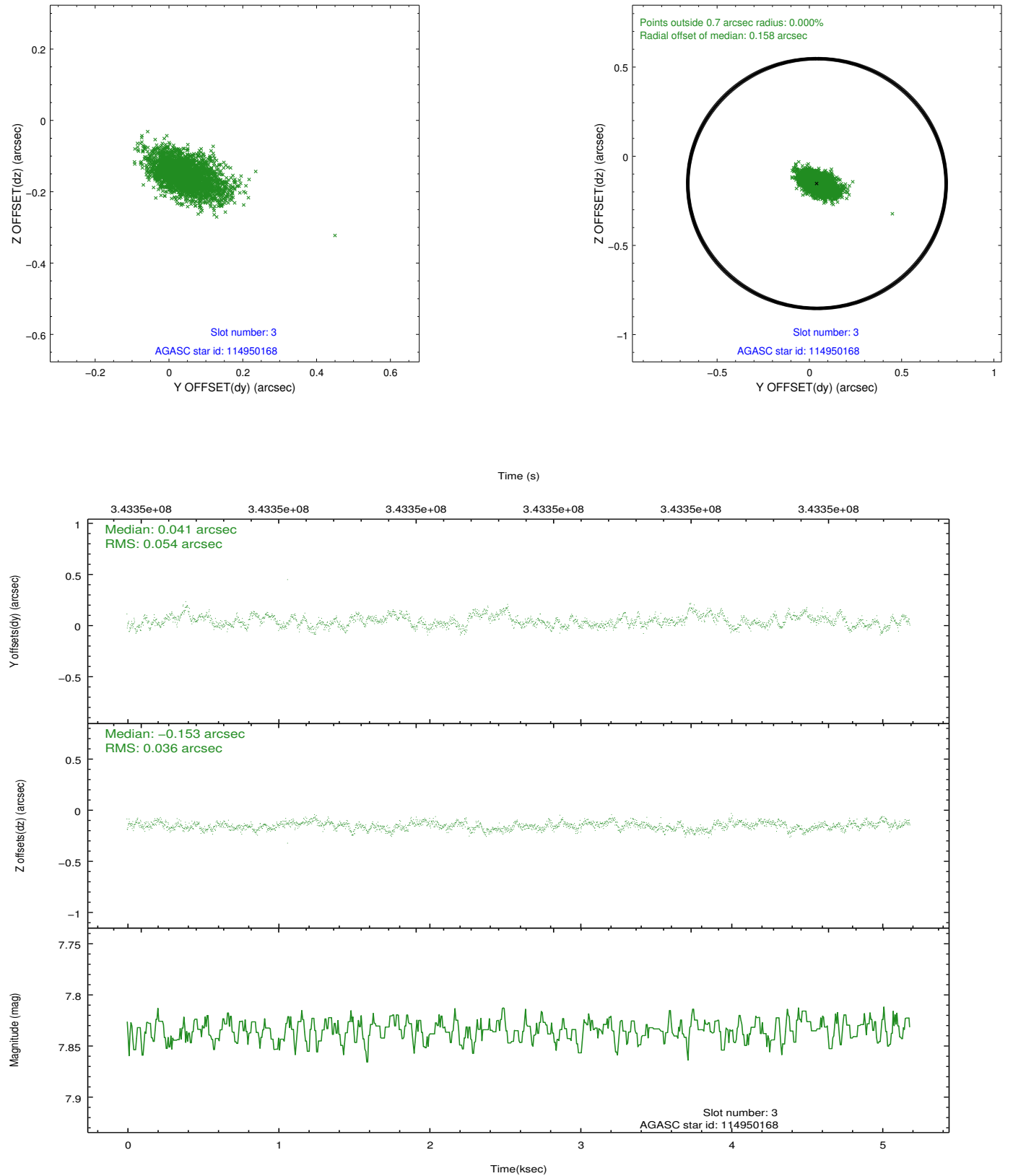


Slot Statistics

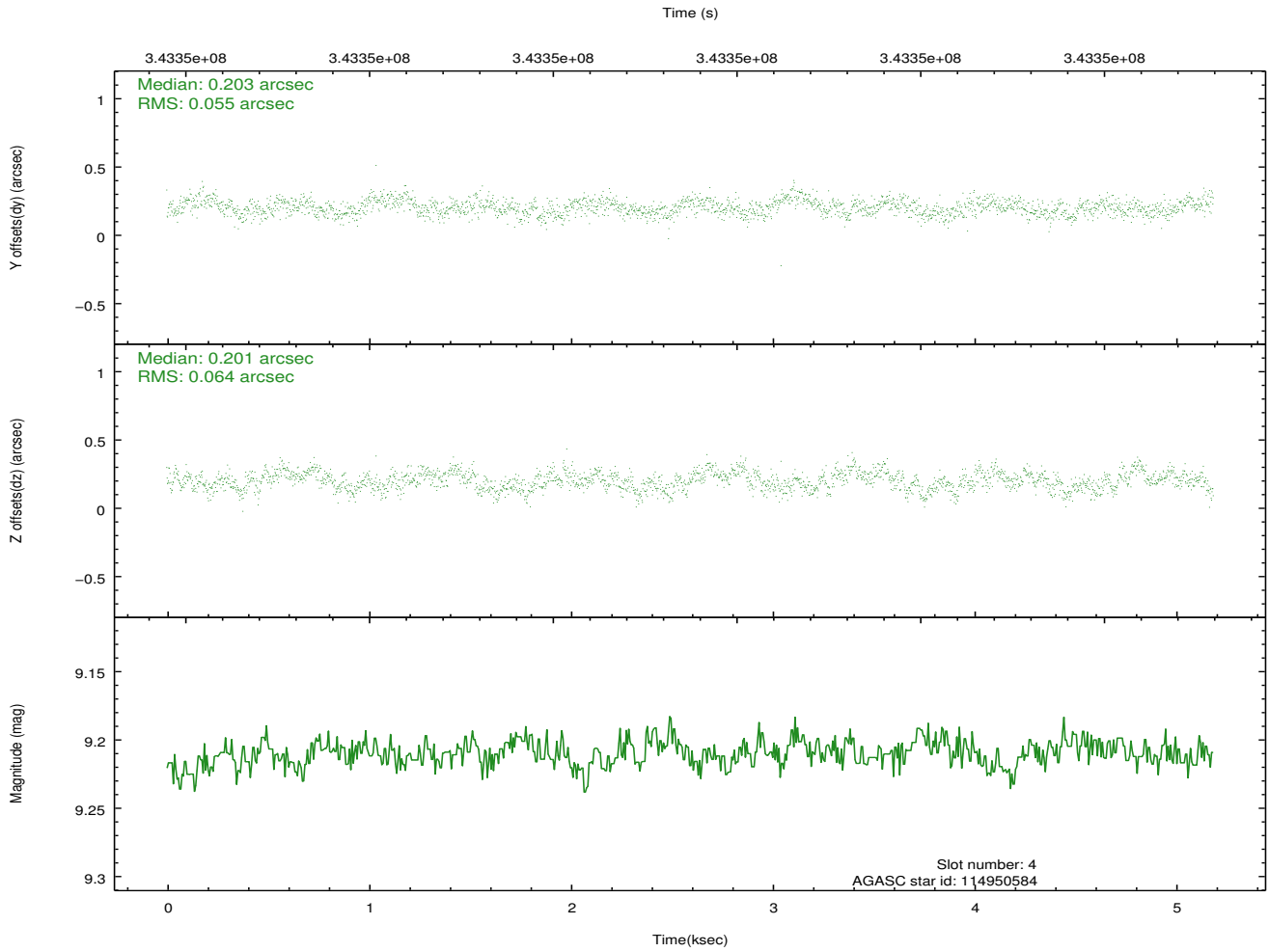
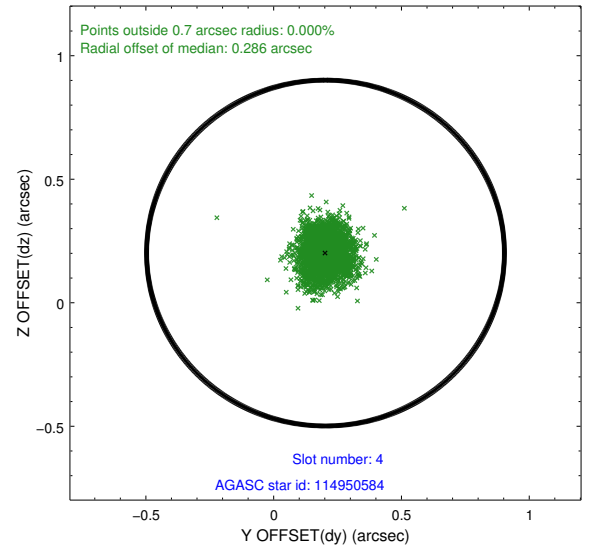
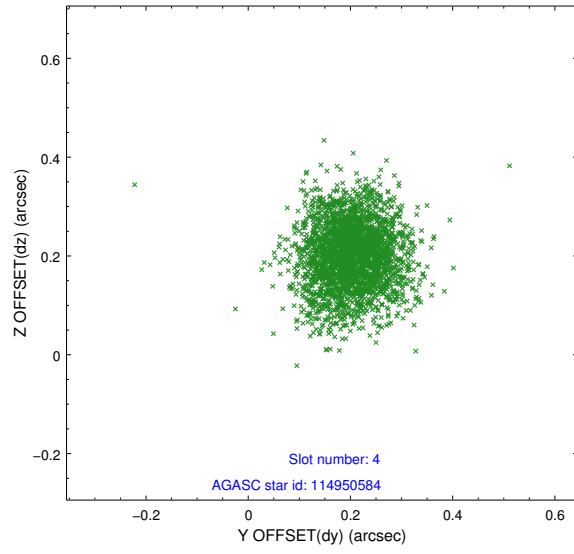
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.88	1265	-0.025	-0.012	0.006	0.011	0.000000	0.000000	-766.68	-1738.16
1	FID	ACIS-S-4	6.96	1265	0.156	0.016	0.006	0.011	0.000000	0.000000	2146.26	169.10
2	FID	ACIS-S-5	6.99	1265	-0.162	0.005	0.007	0.011	0.000000	0.000000	-1818.14	164.14
3	GUIDE	114950168	7.83	2531	0.041	-0.153	0.067	0.116	187.143398	12.117441	-1938.40	955.30
4	GUIDE	114950584	9.21	2529	0.203	0.201	0.089	0.144	187.487323	11.827248	-1990.87	-642.37
5	GUIDE	114952824	8.55	2531	-0.217	-0.187	0.077	0.124	187.703904	12.486727	333.63	257.75
6	GUIDE	114954440	9.18	2530	0.142	-0.260	0.083	0.135	186.915066	12.219118	-2156.90	1810.05
7	GUIDE	114955056	8.34	2530	-0.175	0.400	0.071	0.114	187.914001	12.127854	-204.47	-1128.42

2.4 Star Slots

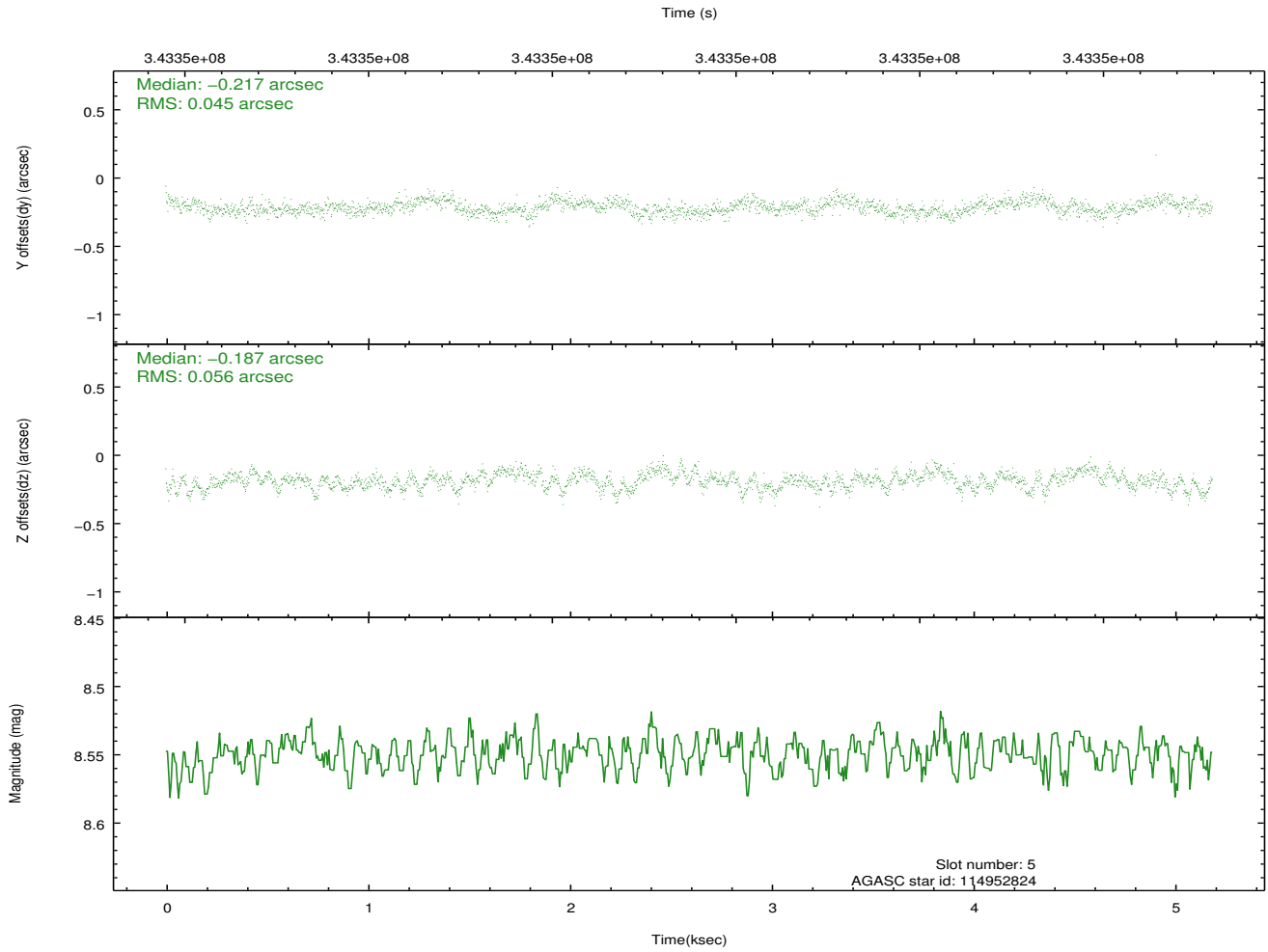
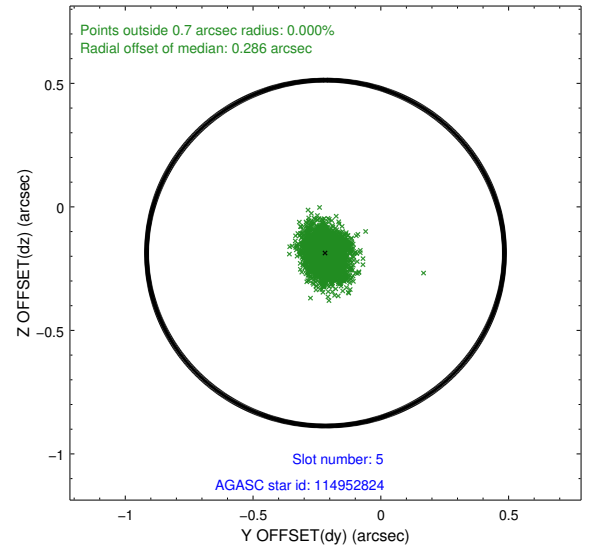
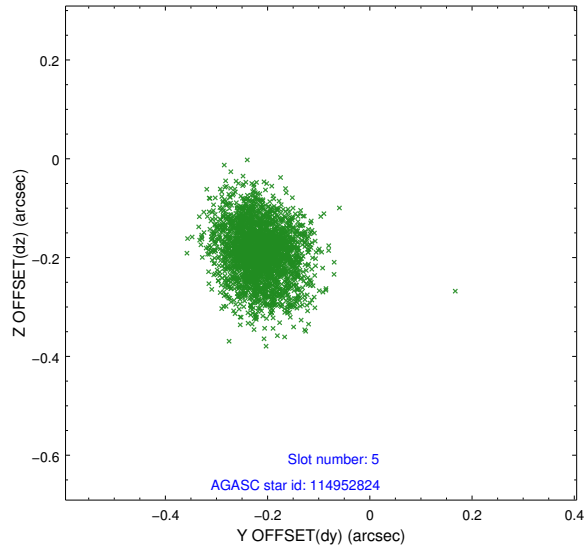
2.4.1 Slot 3



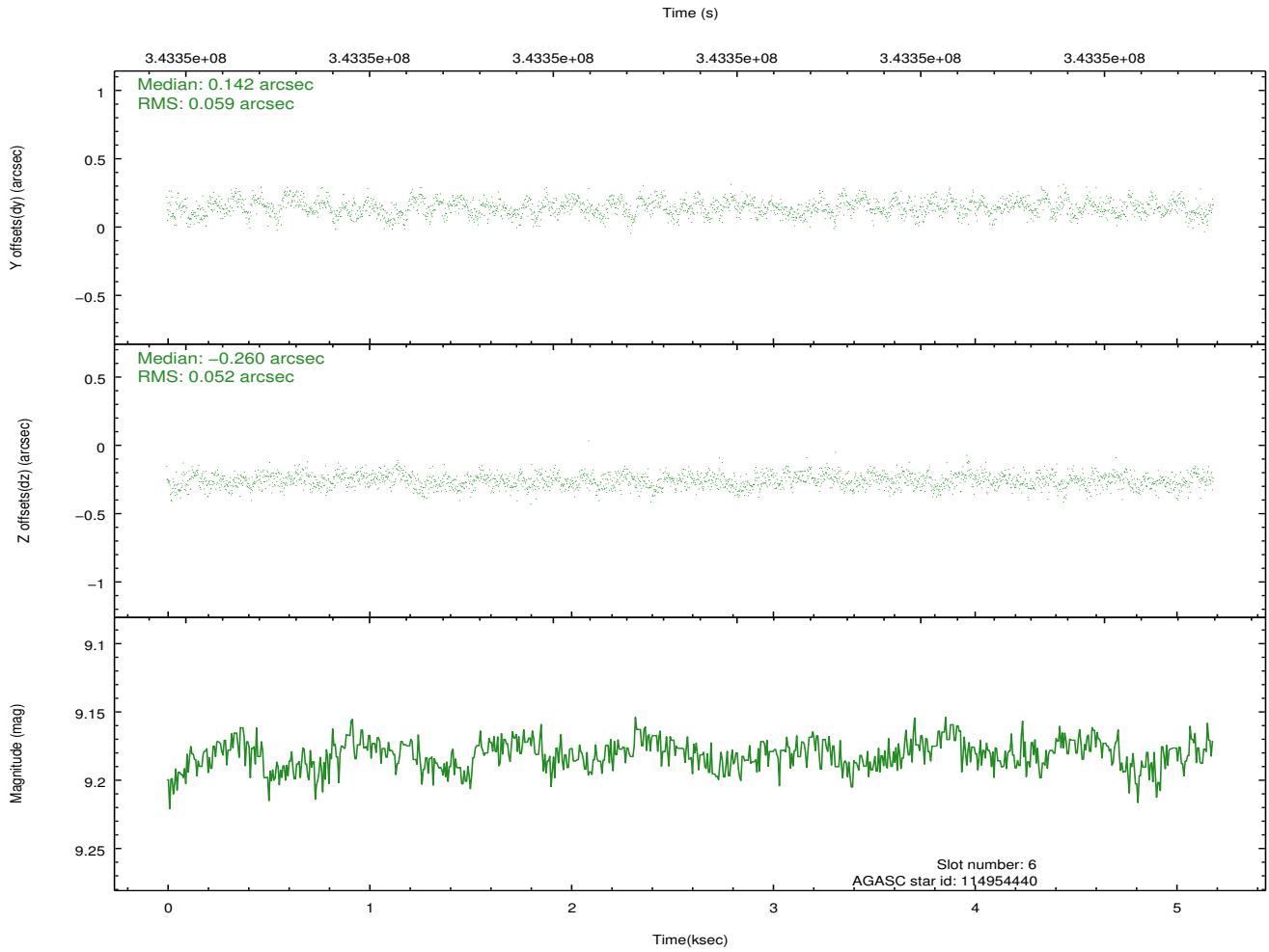
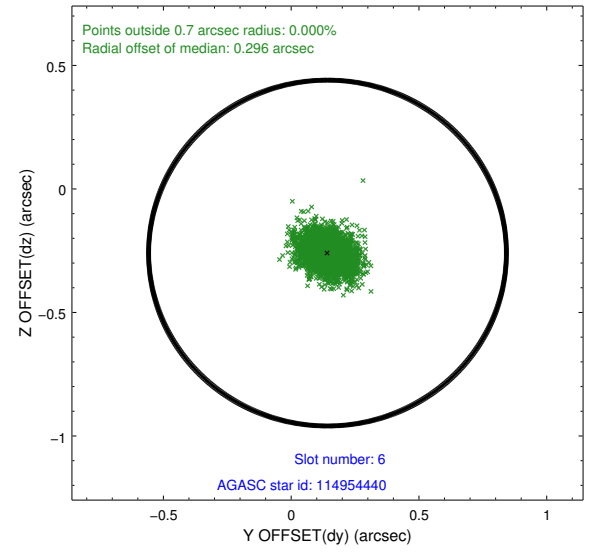
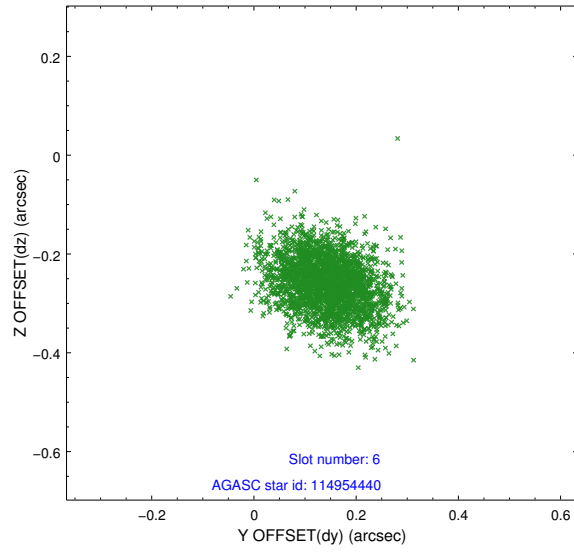
2.4.2 Slot 4



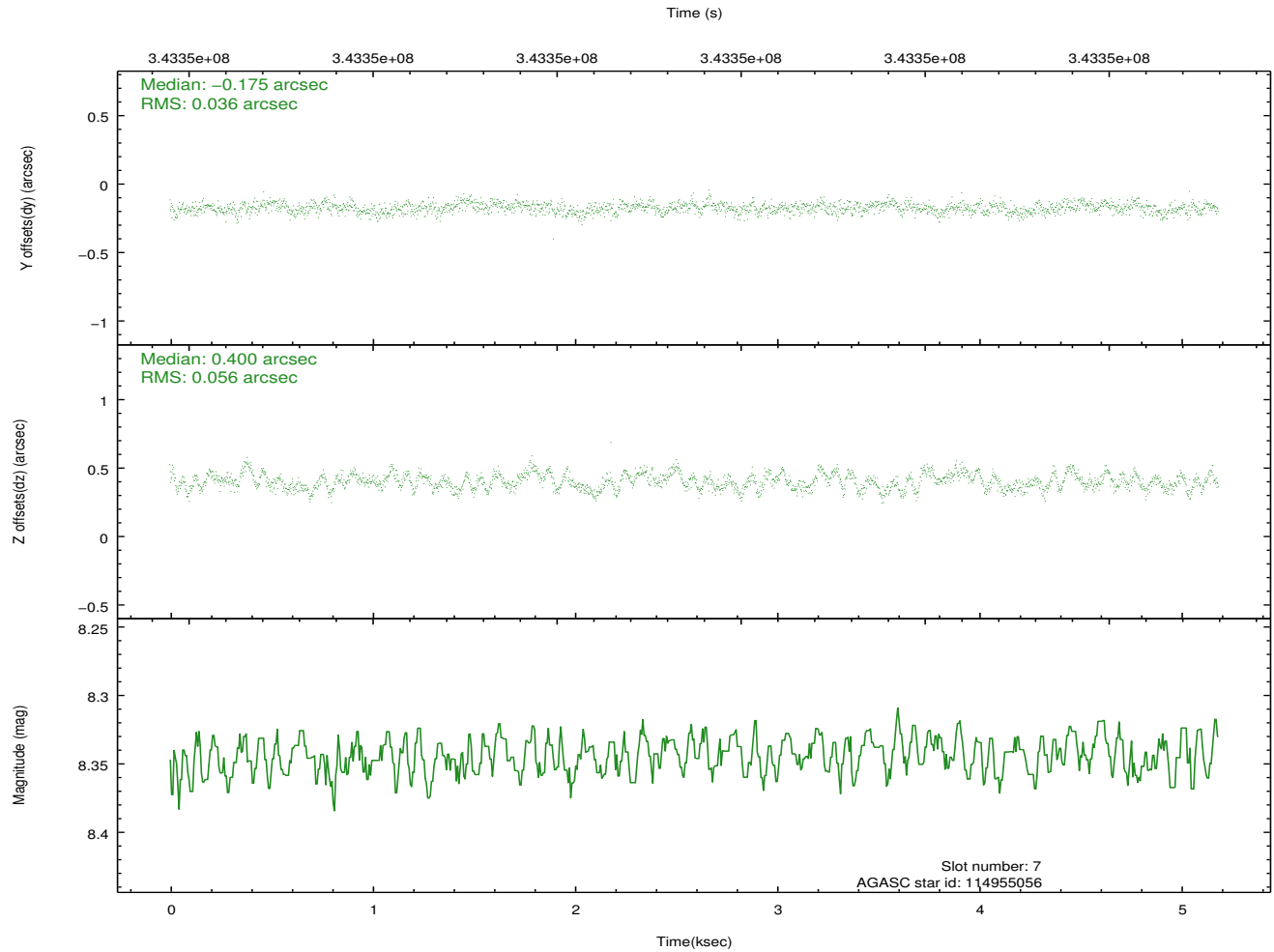
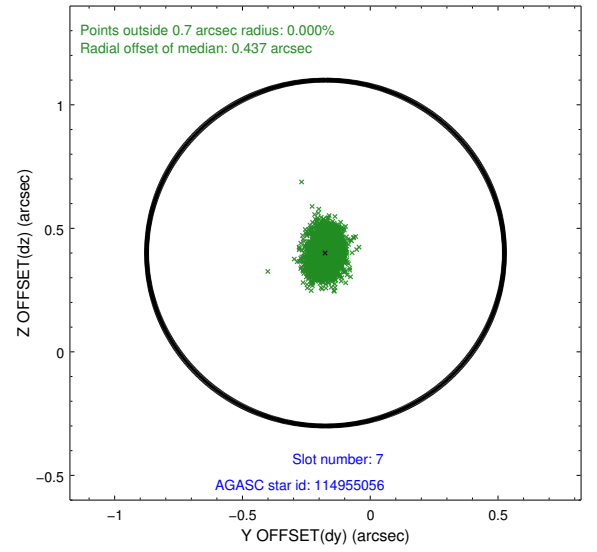
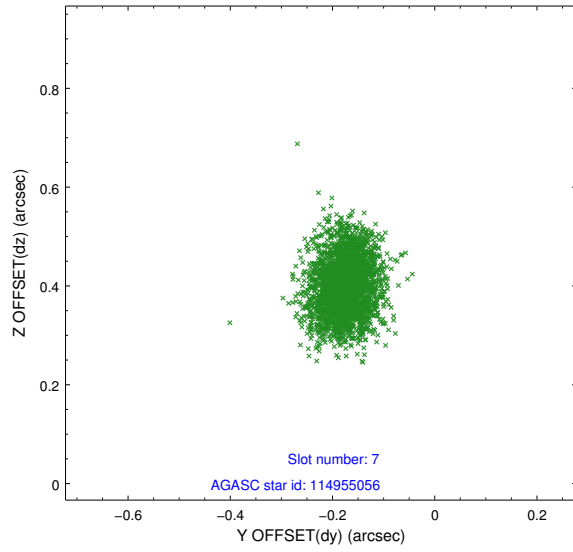
2.4.3 Slot 5



2.4.4 Slot 6

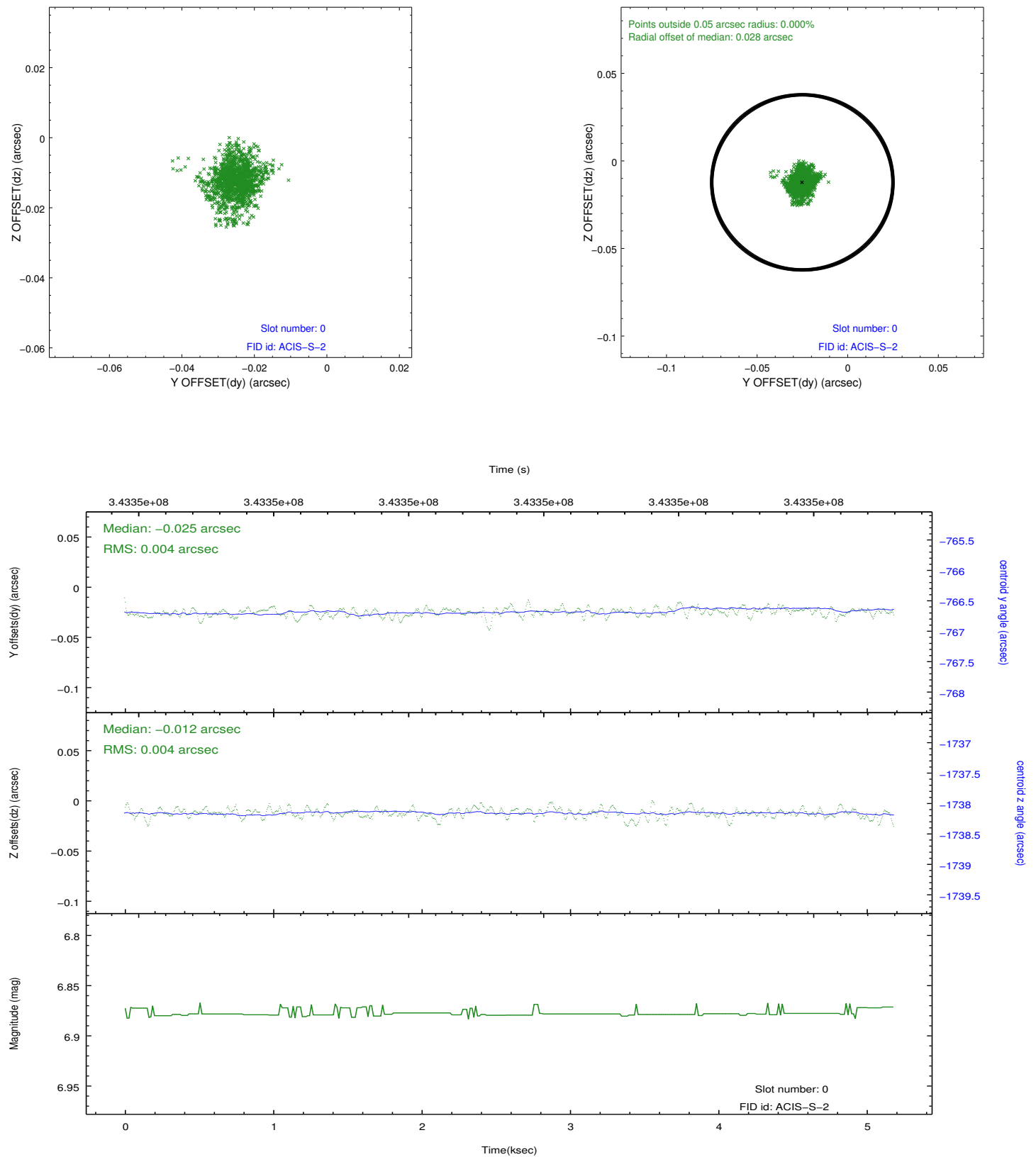


2.4.5 Slot 7

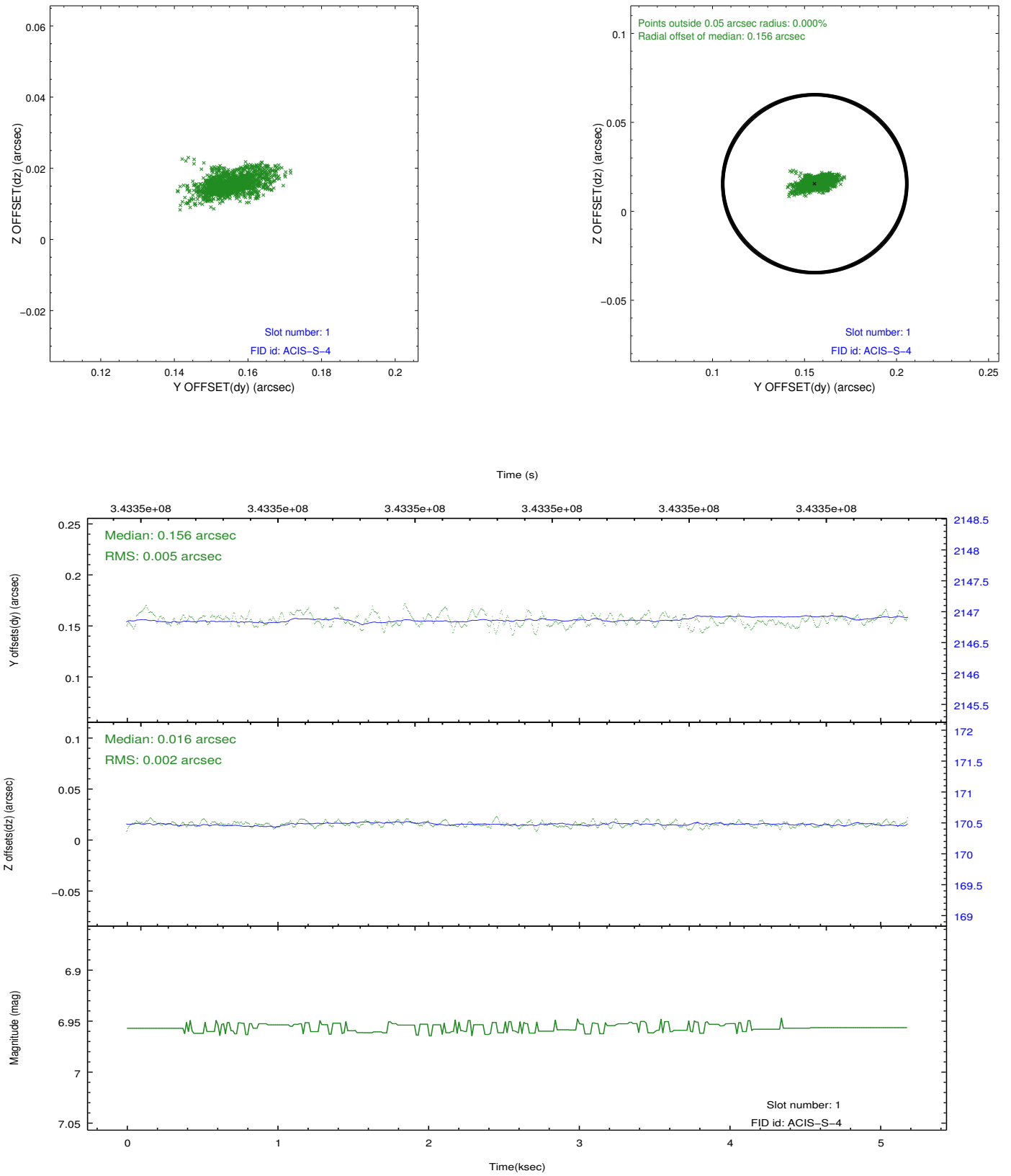


2.5 FID Slots

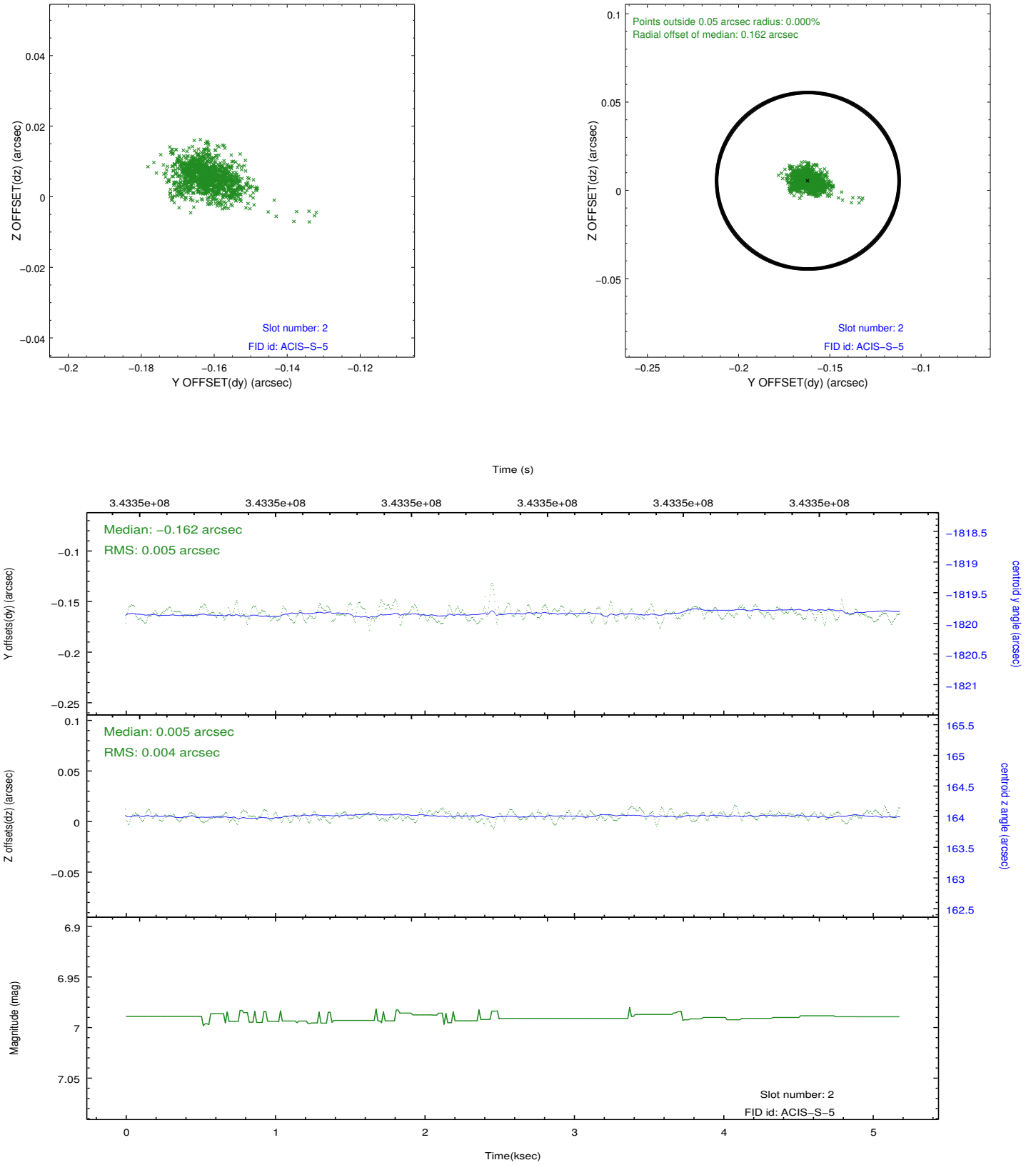
2.5.1 Slot 0



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)	2012.05.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.18559969

A.2 Comments