

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3115 - L2 Version 3
Chandra X-Ray Center

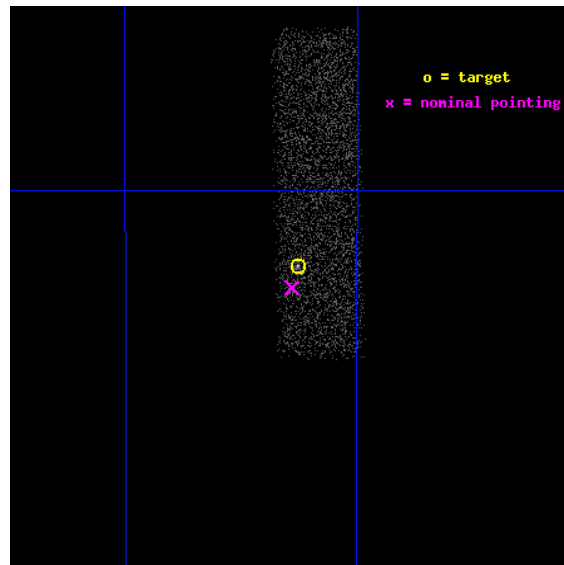
L2 Processing Date : Oct 7 2012

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

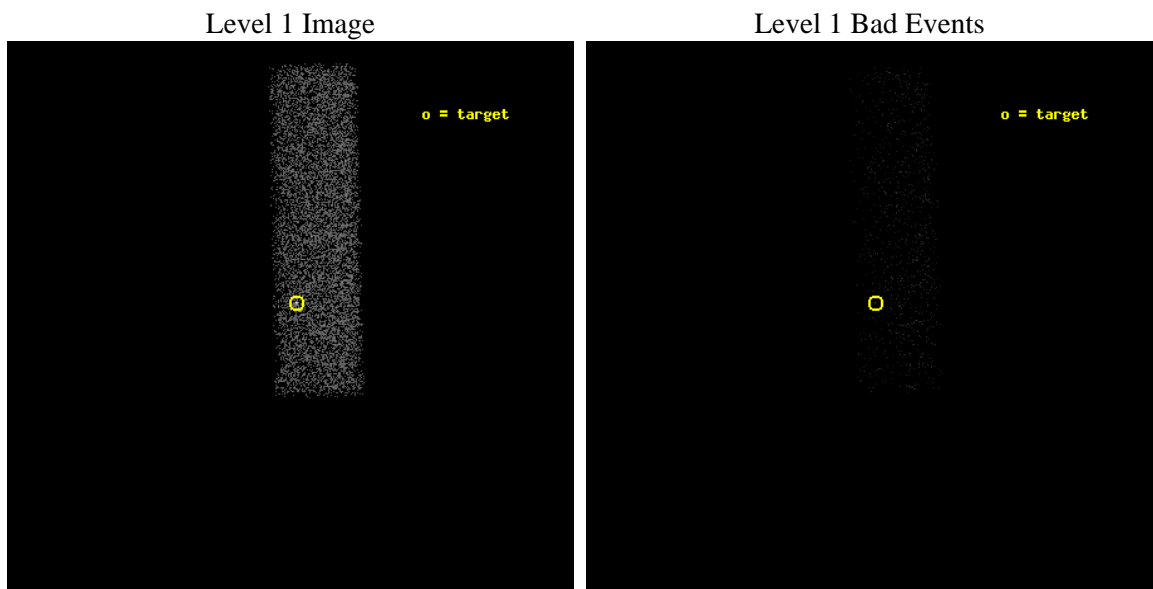
seq_num	700554	Sequence number
obs_id	3115	Observation id
title	A COMPLETE SURVEY FOR X-RAY EMISSION FROM RADIO JETS	Proposal titl
observer	Dr. Herman Marshall	Principal investigator
object	1030-357	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	158.282083	Observer's specified target RA [deg]
dec_targ	-36.032472	Observer's specified target Dec [deg]
ra_nom	158.28523380395	Nominal RA [deg]
dec_nom	-36.04198165487	Nominal Dec [deg]
roll_nom	268.80948717038	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5287.2000787854	Sum of GTIs [s]
livetime	5029.2020153956	Livetime [s]
ontime7	5287.2000787854	Sum of GTIs [s]
l2events	5371	Number of level 2 events



2 OBI

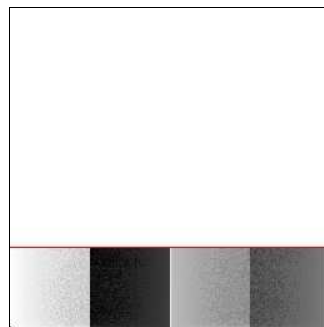
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5287.2000787854	Sum of GTIs [s]
caldsver	4.5.2	 	ontime7	5287.2000787854	Sum of GTIs [s]
date	2012-10-07T08:51:05	Date and time of file creation	l1events	13102	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

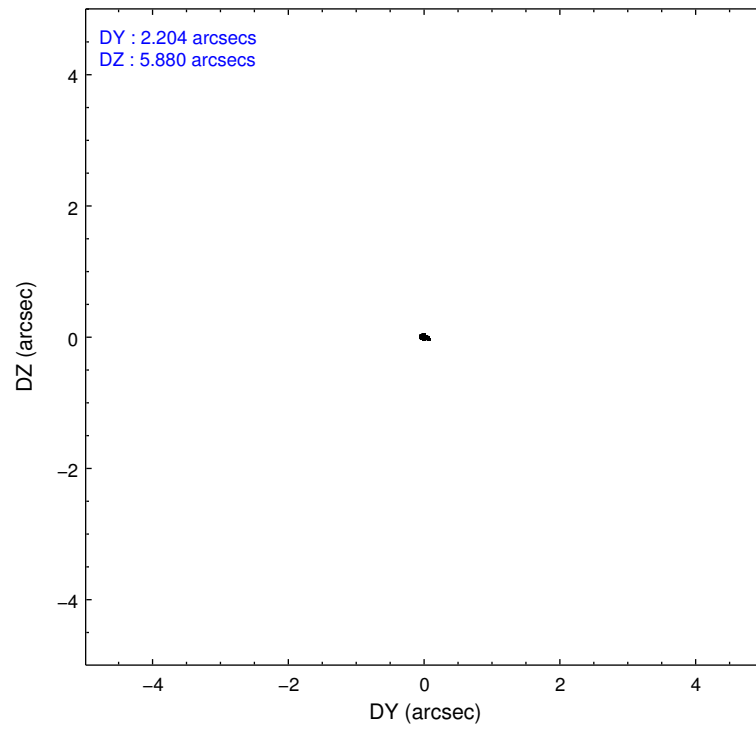
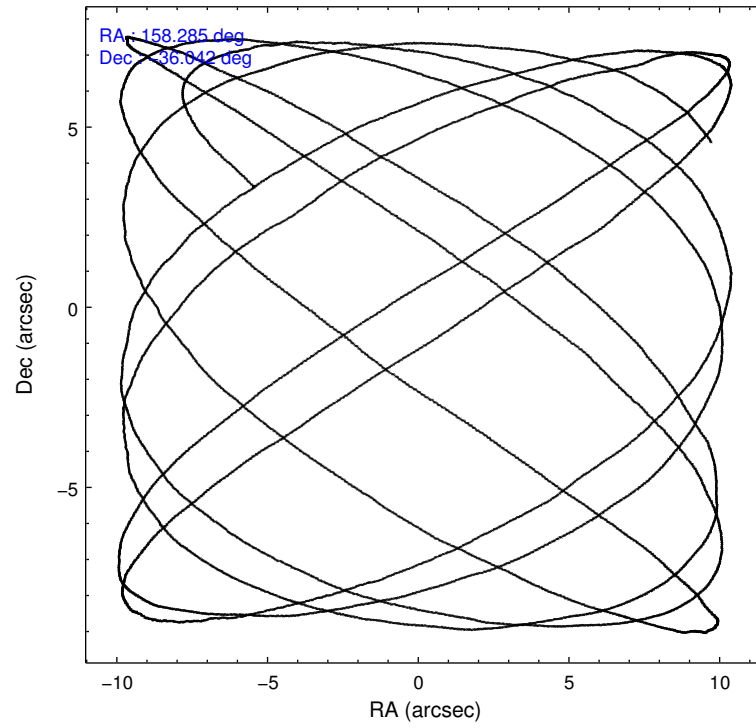
	ccd 7
level 1 events	13102
rejected events	7600
rejected %	58%

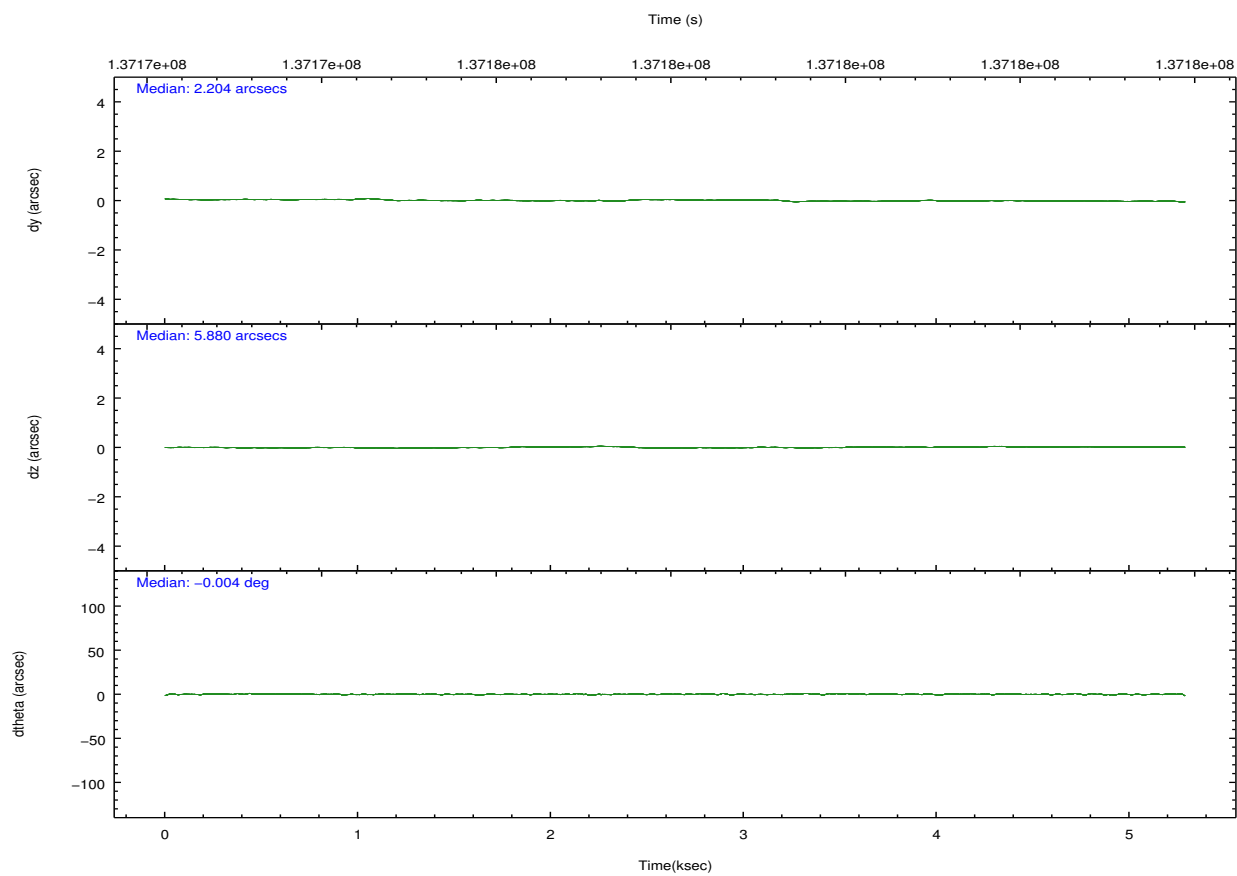
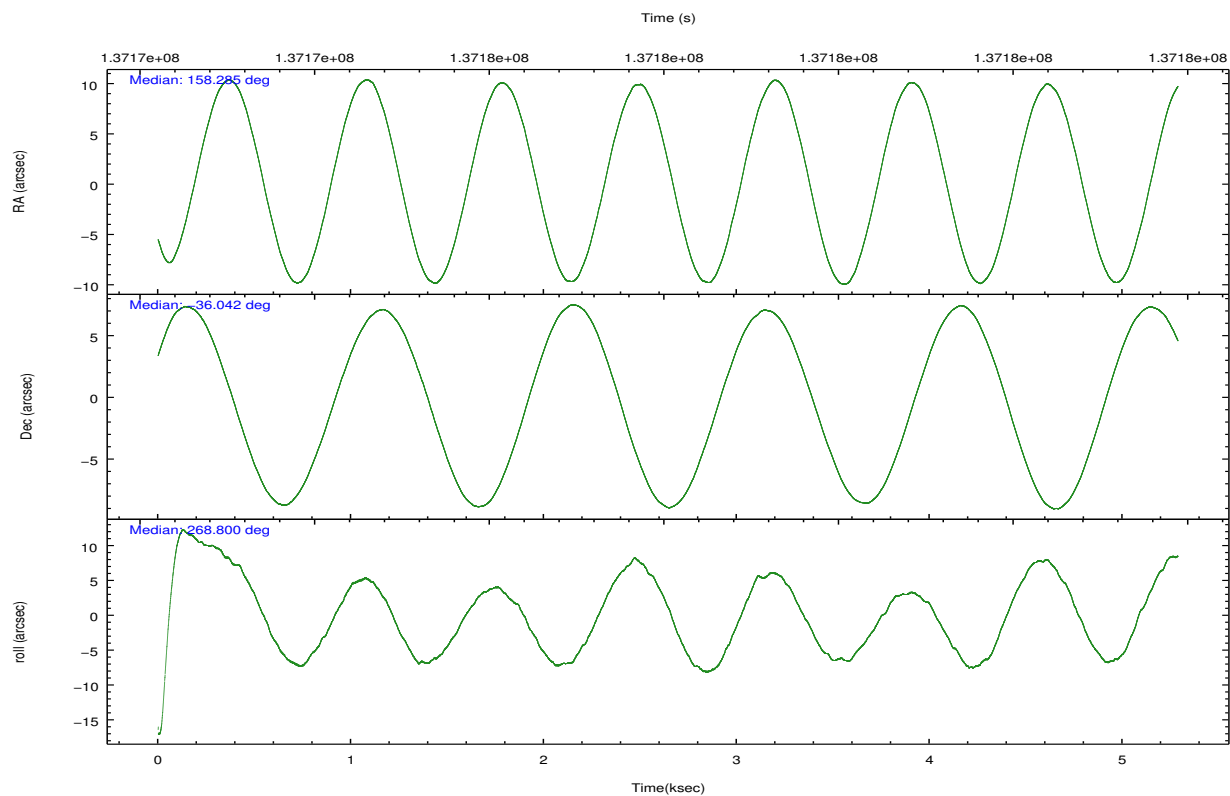
	ccd 7
grade 0 events	702
	5%
grade 1 events	10
	0%
grade 2 events	1234
	9%
grade 3 events	669
	5%
grade 4 events	612
	4%
grade 5 events	1165
	8%
grade 6 events	2821
	21%
grade 7 events	5889
	44%

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	158.268618	158.2852338039536	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-36.018373	-36.04198165487033	Subarray start row	1	1
[deg] Pointing Roll	268.643153	268.8094871703771	Subarray row count	256	256
[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	0.8
[mm] SIM translation stage pos	-178.632523	-178.6370735452349			
[mm] SIM translation stage offset	-11.5	-11.49544903777291			
[s] Observation start time (MET)	137173666.184000	137172656.37956			
Observation start date	2002-05-07T15:46:42	2002-05-07T15:30:56			
[s] Observation end time (MET)	137178666.184000	137179458.27984			
Observation end date	2002-05-07T17:10:02	2002-05-07T17:24:18			
Read mode	TIMED	TIMED			

2.3 Aspect



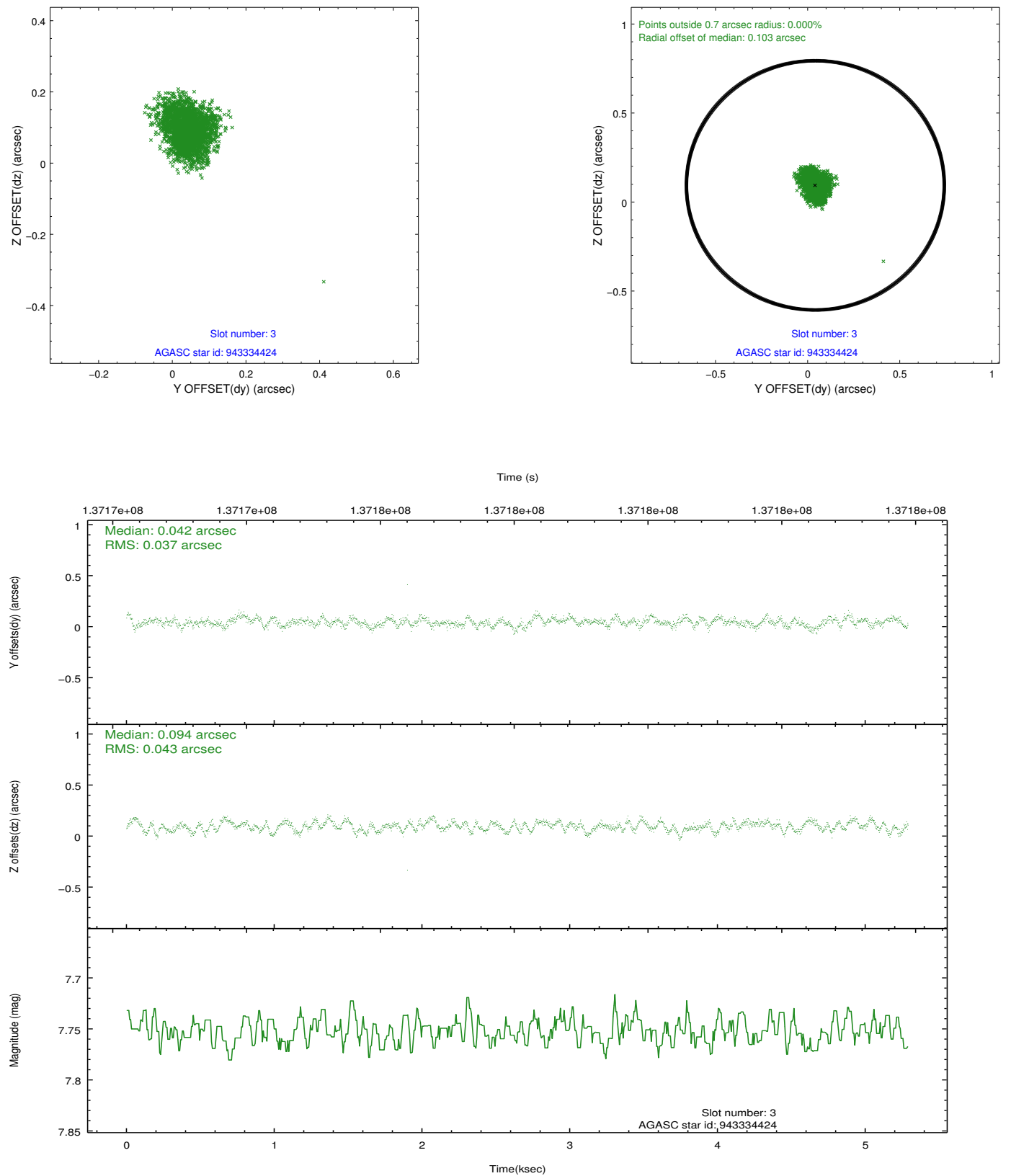


Slot Statistics

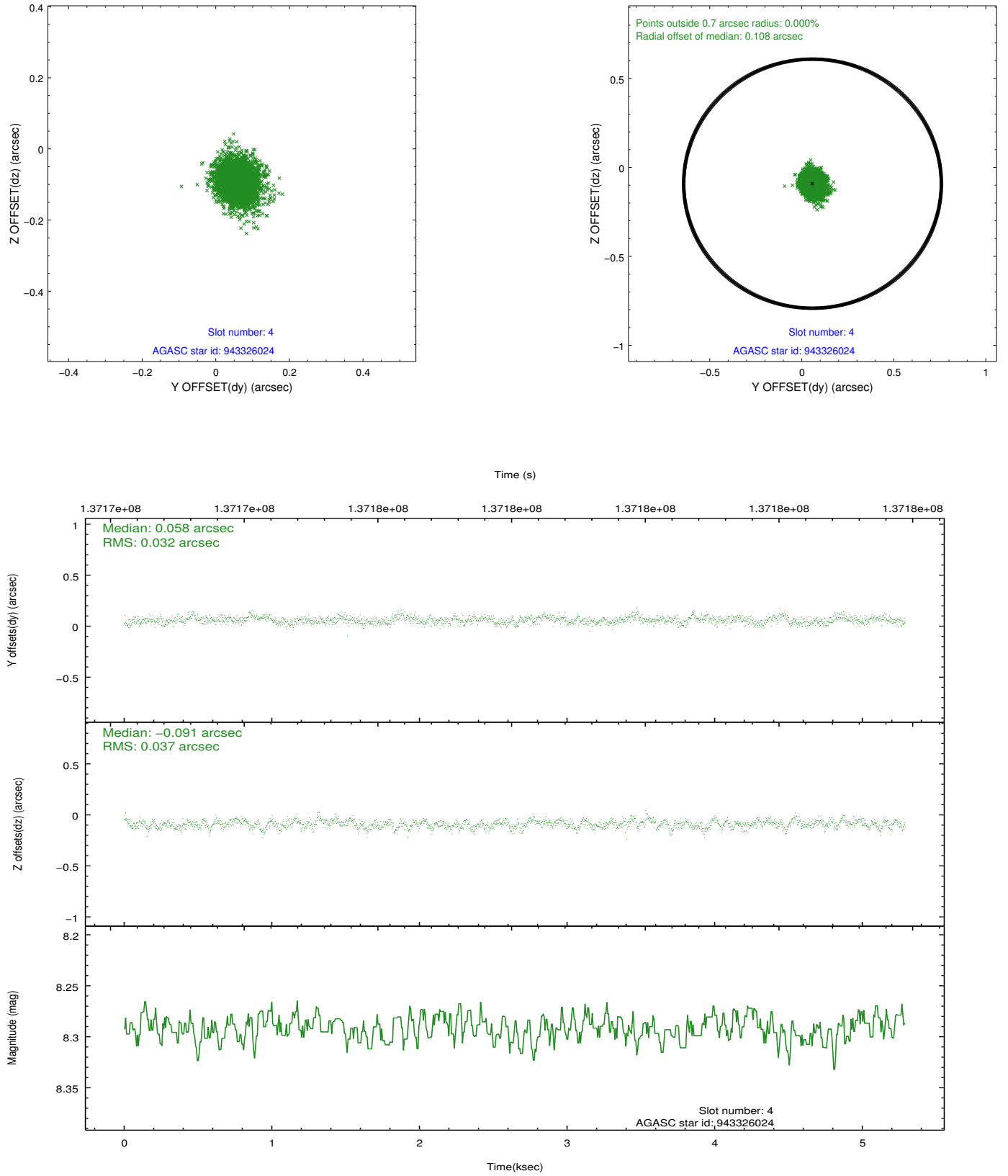
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.08	1289	-0.064	-0.363	0.006	0.011	0.000000	0.000000	-754.05	-1964.01
1	FID	ACIS-S-4	7.17	1290	0.040	0.128	0.006	0.011	0.000000	0.000000	2158.82	-56.44
2	FID	ACIS-S-5	7.23	1290	-0.007	0.243	0.006	0.011	0.000000	0.000000	-1805.35	-61.33
3	GUIDE	943334424	7.75	2581	0.042	0.094	0.060	0.095	158.168911	-36.456574	1585.15	-250.49
4	GUIDE	943326024	8.29	2581	0.058	-0.091	0.051	0.083	157.804739	-36.223207	774.26	-1328.79
5	GUIDE	943330744	8.52	2580	-0.052	-0.099	0.071	0.110	157.714241	-36.261190	918.18	-1587.87
6	GUIDE	942816336	8.89	2581	-0.086	0.018	0.087	0.145	158.924317	-35.571822	-1645.15	1881.33
7	GUIDE	943330168	9.06	2580	0.035	0.079	0.091	0.147	158.834920	-35.825860	-727.01	1637.49

2.4 Star Slots

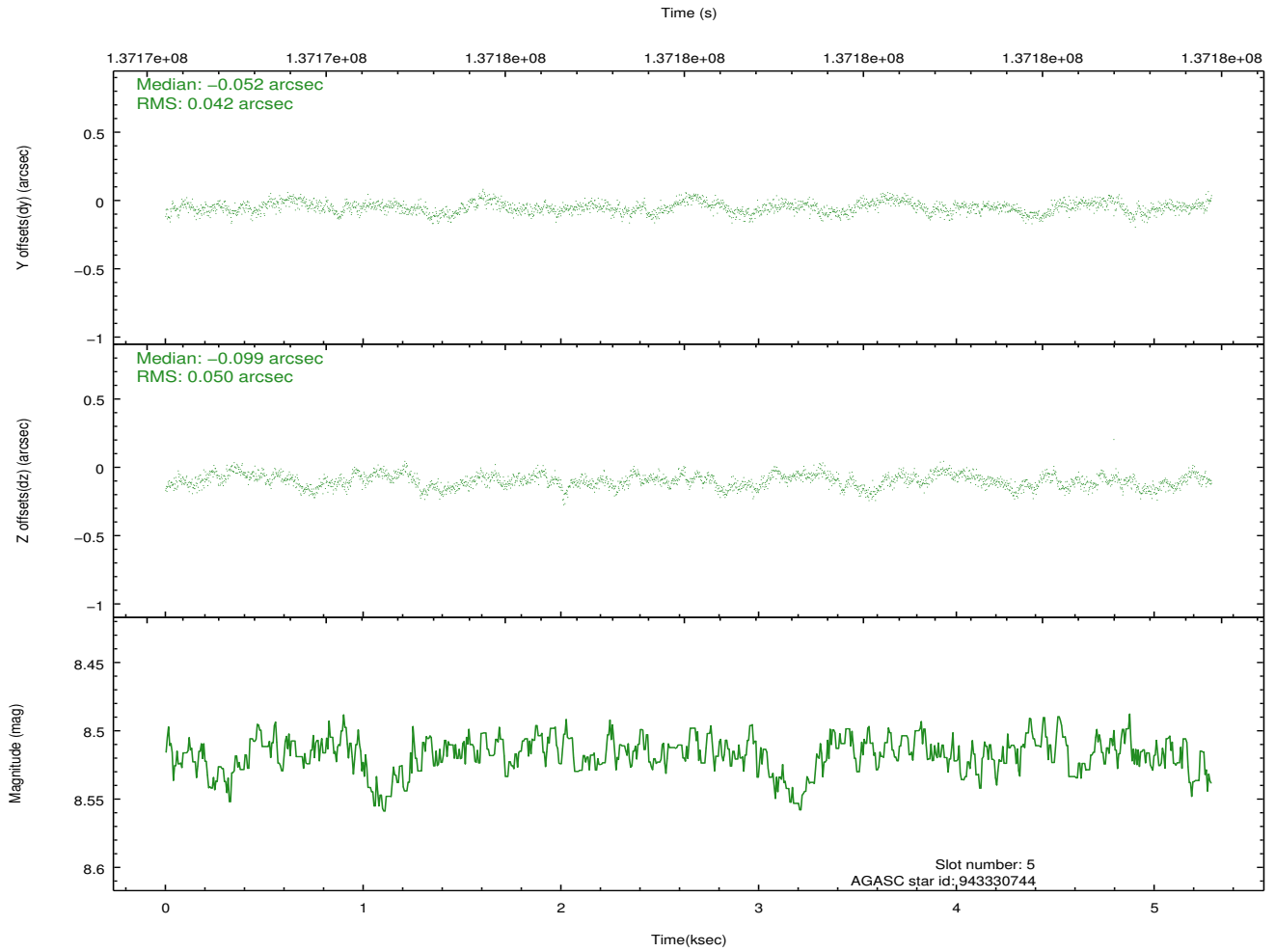
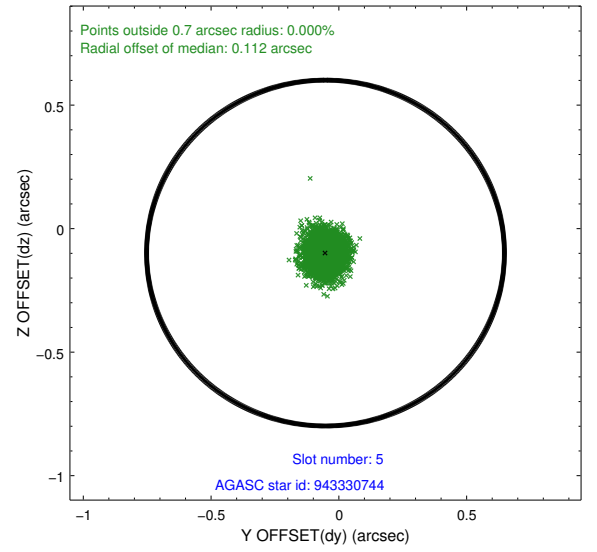
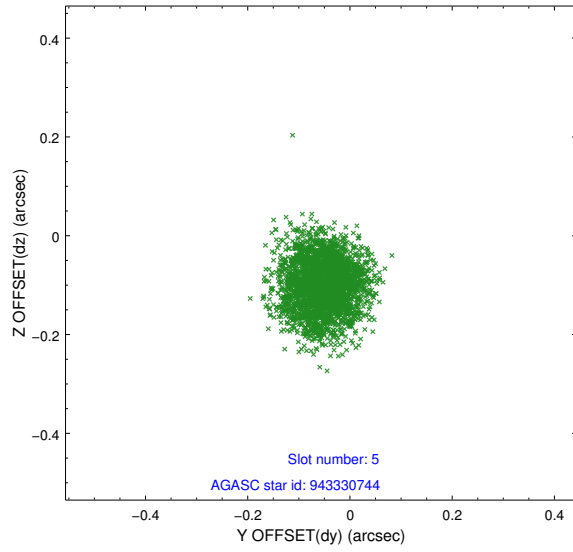
2.4.1 Slot 3



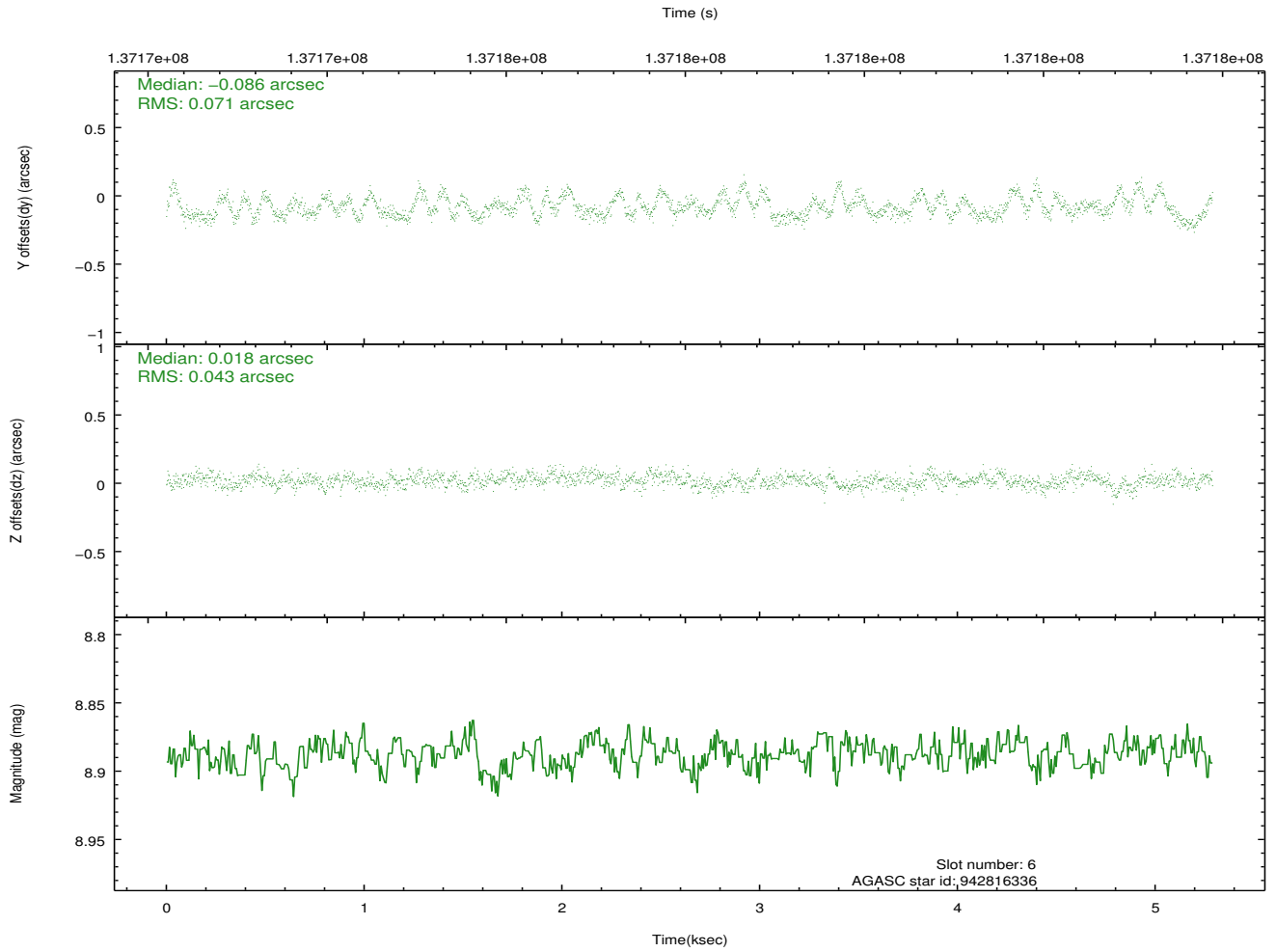
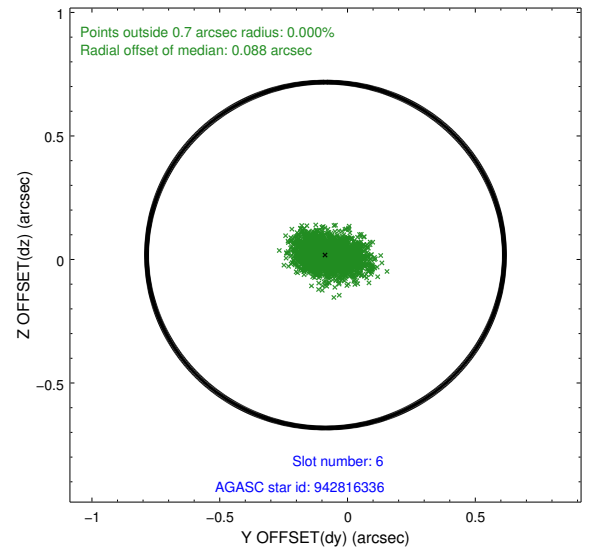
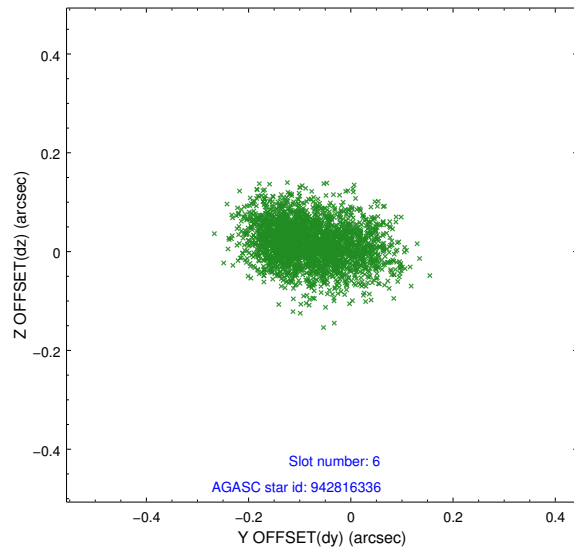
2.4.2 Slot 4



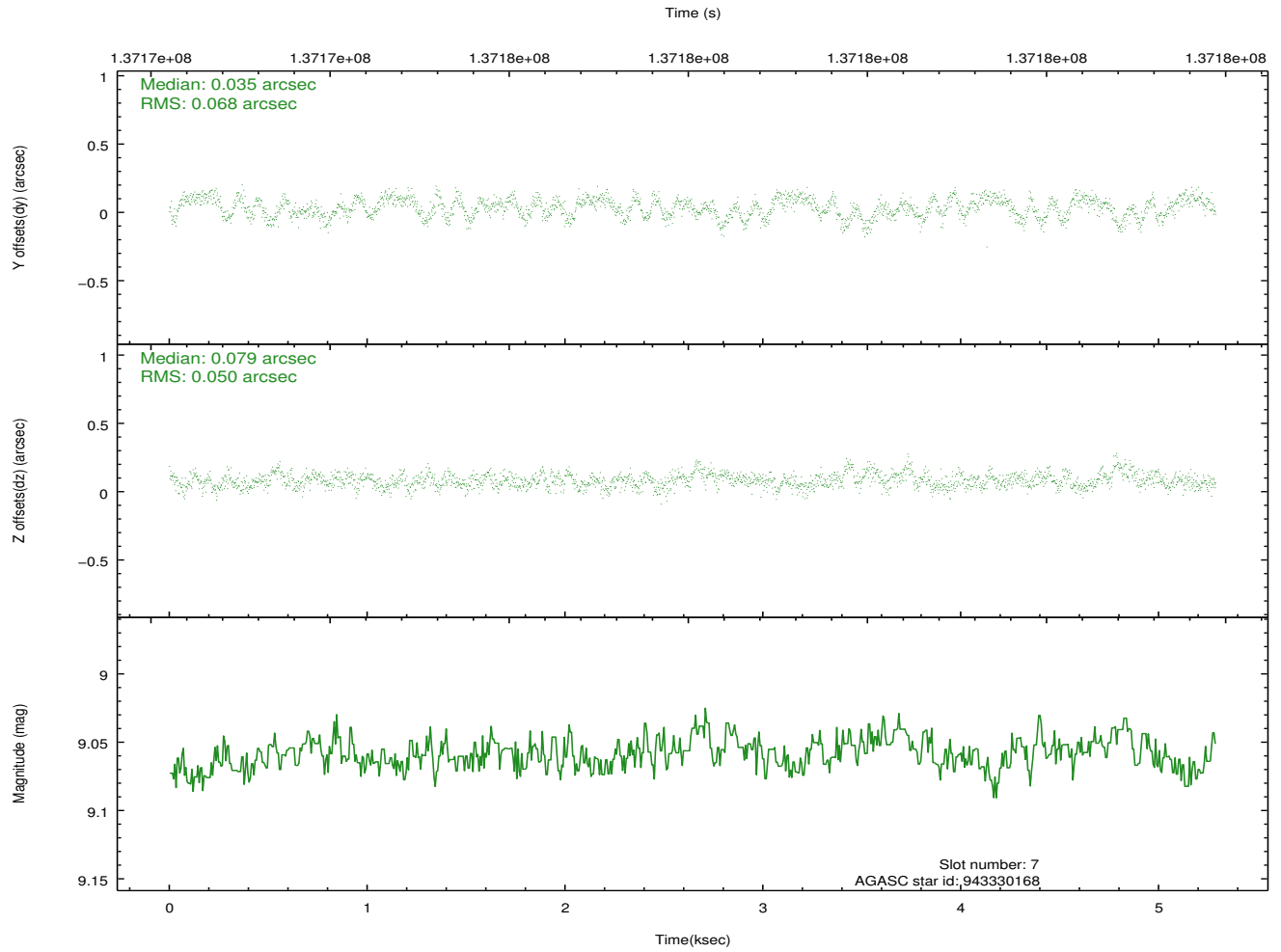
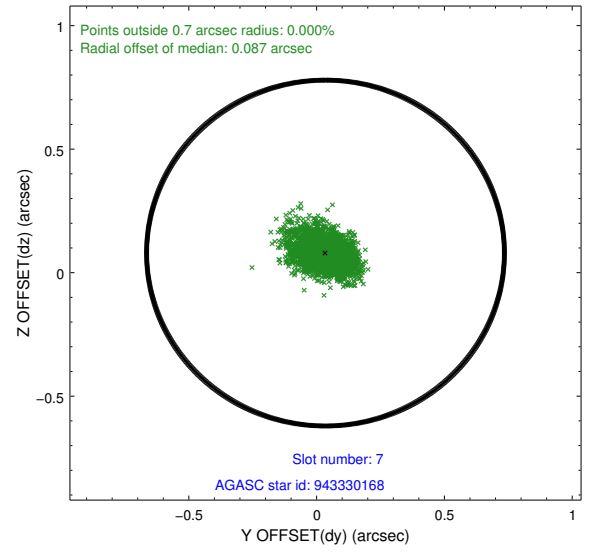
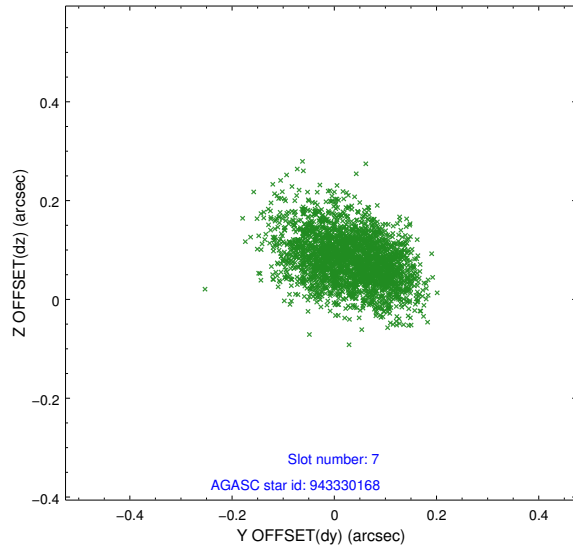
2.4.3 Slot 5



2.4.4 Slot 6

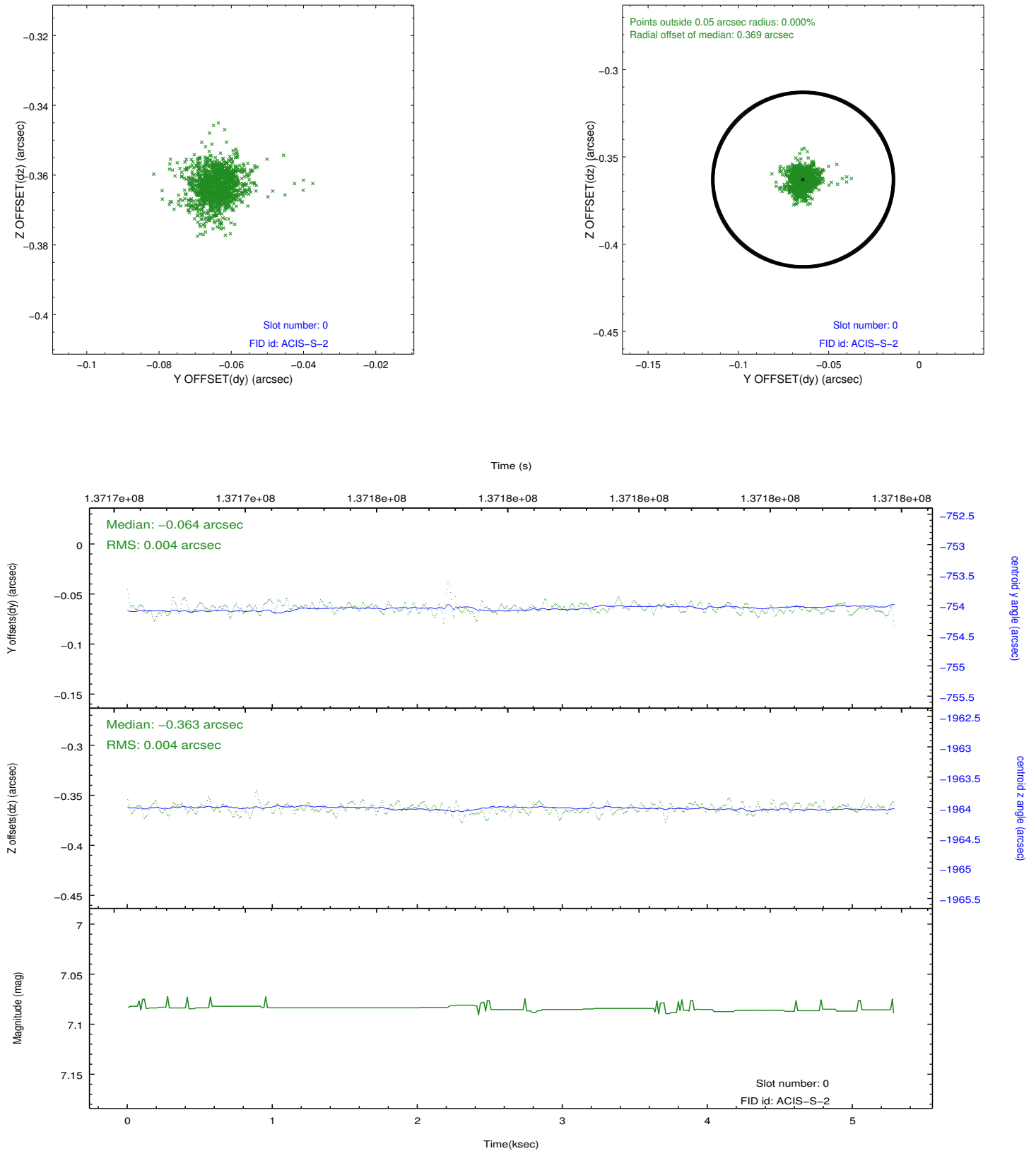


2.4.5 Slot 7

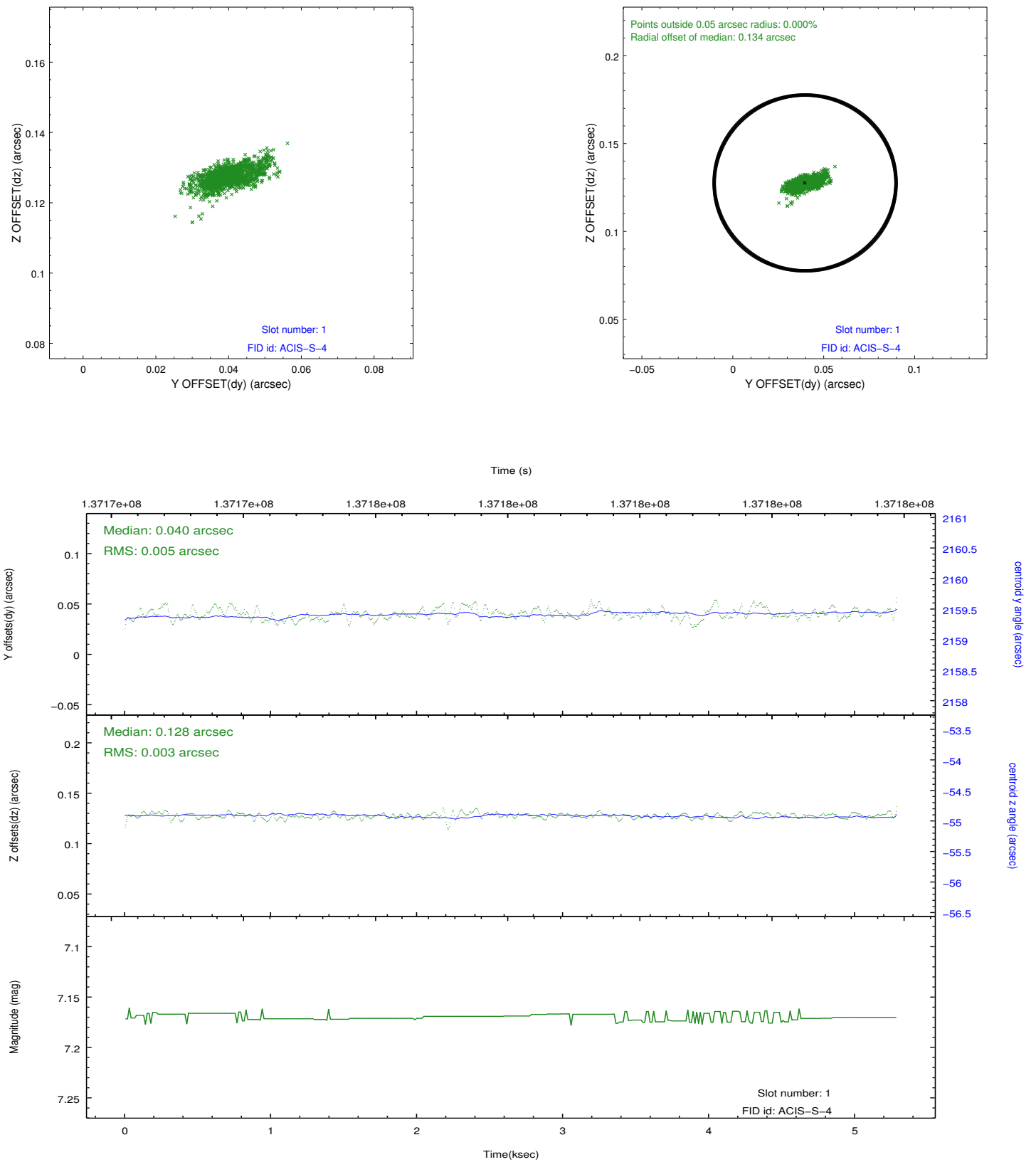


2.5 FID Slots

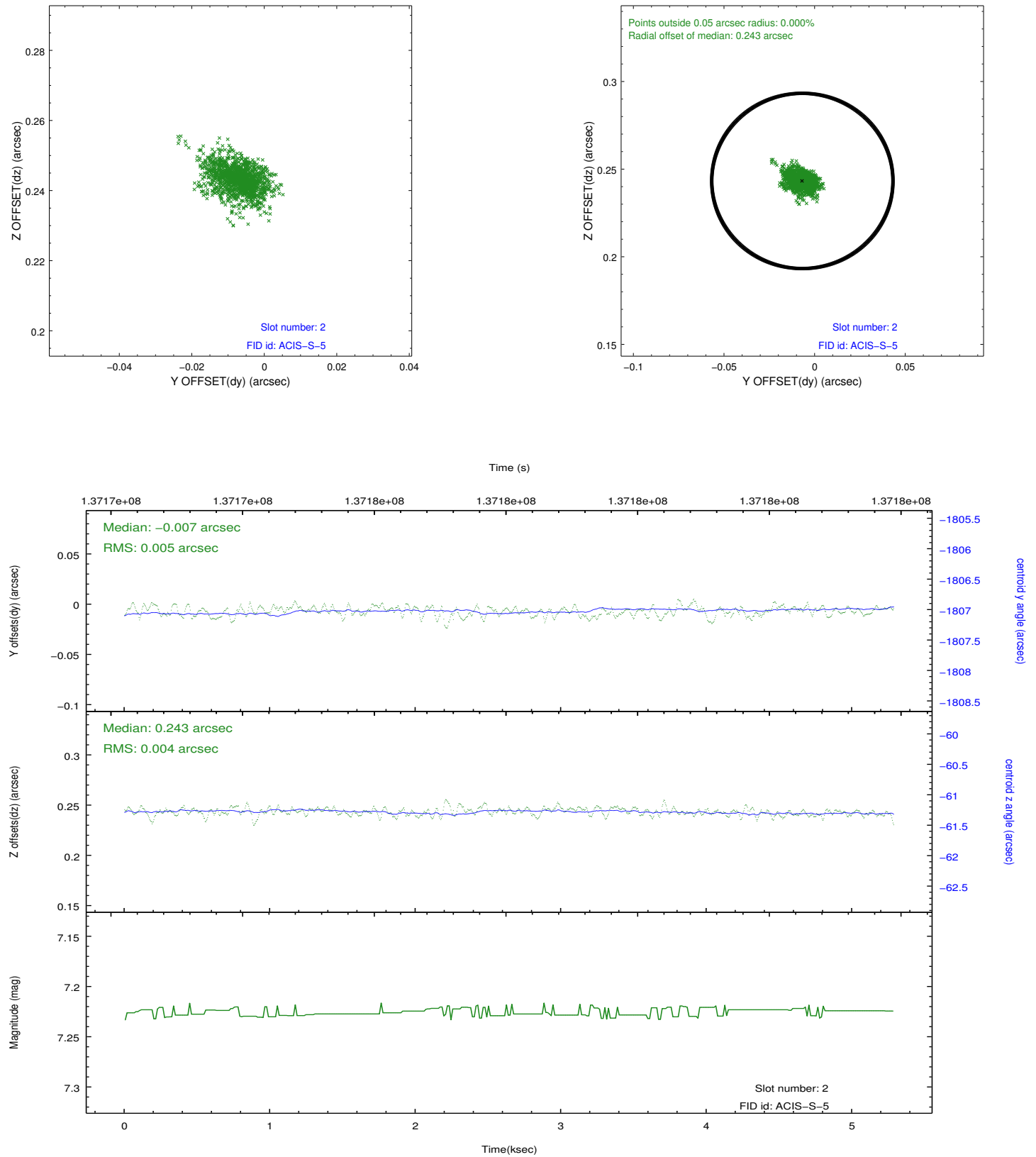
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.10.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.287

A.2 Comments