

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2165 - L2 Version 3
Chandra X-Ray Center

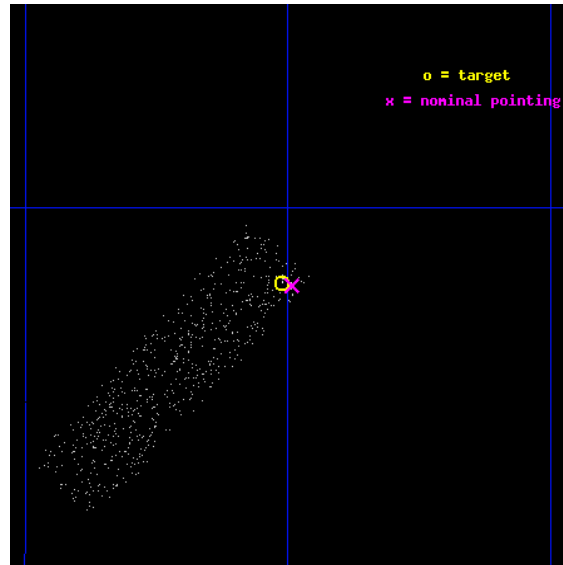
L2 Processing Date : Sep 16 2012

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

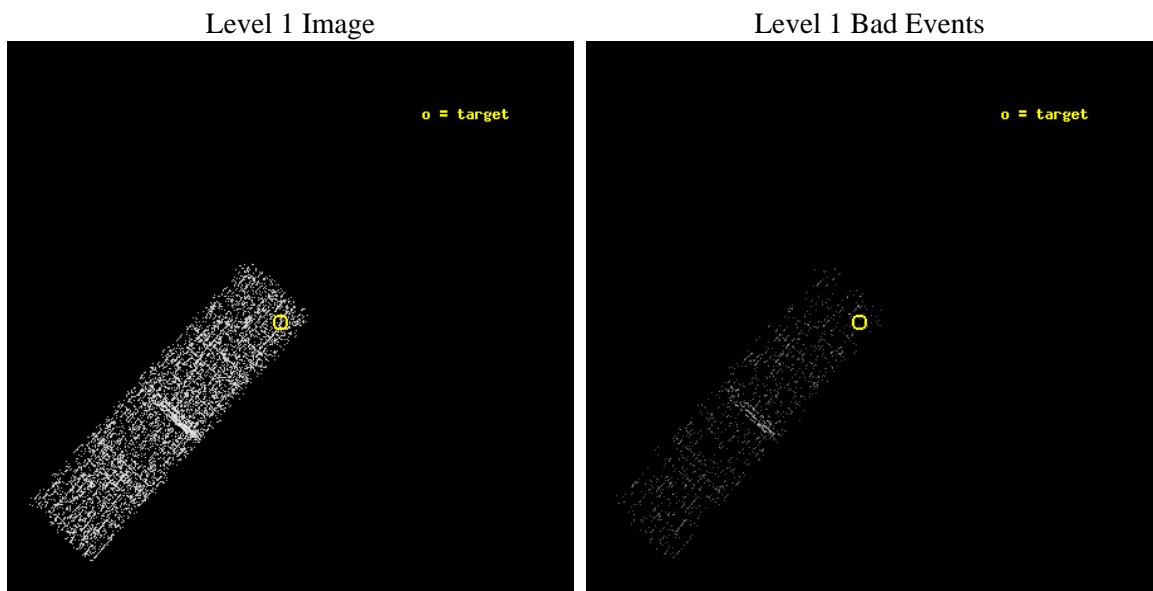
seq_num	700355	Sequence number
obs_id	2165	Observation id
title	RED QUASARS AND THE X-RAY BACKGROUND	Proposal title
observer	Dr. Belinda Wilkes	Principal investigator
object	2MASSJ130700+2338	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	196.752917	Observer's specified target RA [deg]
dec_targ	23.634722	Observer's specified target Dec [deg]
ra_nom	196.74810751599	Nominal RA [deg]
dec_nom	23.633167158302	Nominal Dec [deg]
roll_nom	222.29986245368	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3679.1999863088	Sum of GTIs [s]
livetime	3499.6670658317	Livetime [s]
ontime3	3679.1999863088	Sum of GTIs [s]
l2events	656	Number of level 2 events



2 OBI

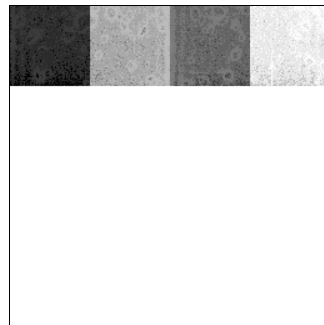
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 3



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3006.903000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3679.1999863088	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime3	3679.1999863088	Sum of GTIs [s]
date	2012-09-17T00:50:01	Date and time of file creation	l1events	8384	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

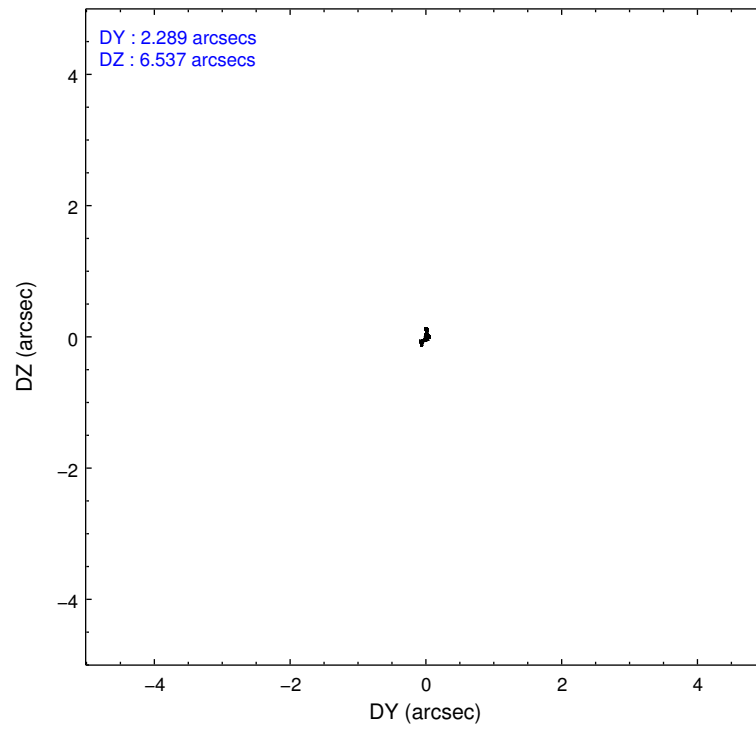
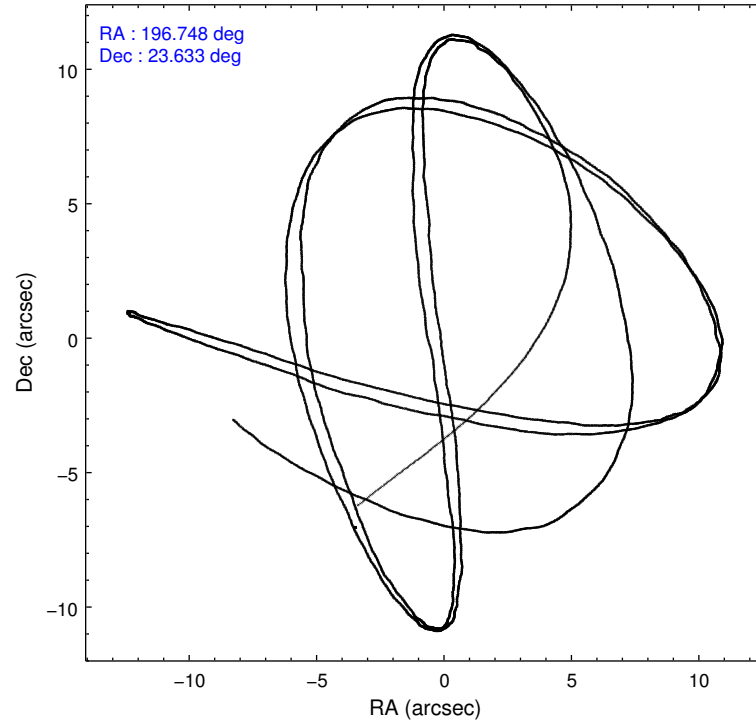
	ccd 3
level 1 events	8384
rejected events	7543
rejected %	89%

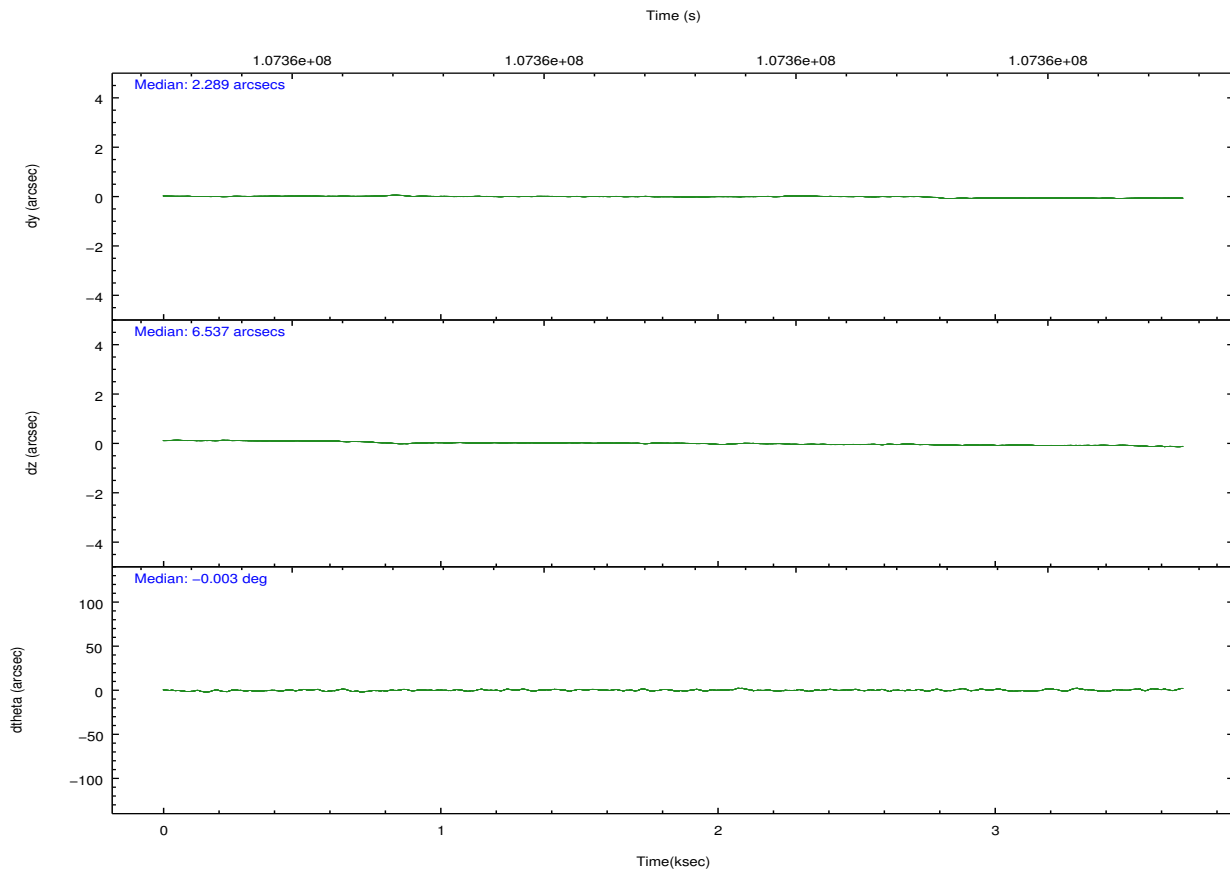
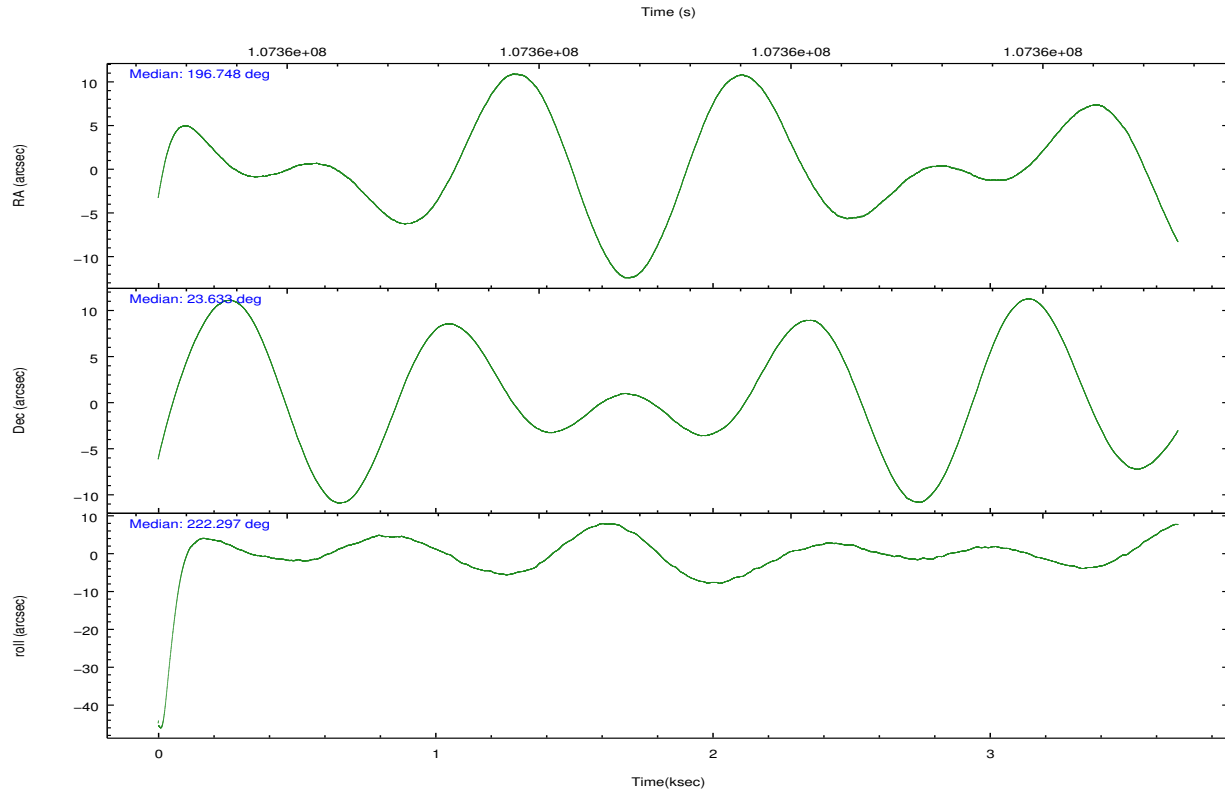
	ccd 3
grade 0 events	308
	3%
grade 1 events	0
	0%
grade 2 events	128
	1%
grade 3 events	161
	1%
grade 4 events	132
	1%
grade 5 events	233
	2%
grade 6 events	142
	1%
grade 7 events	7280
	86%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-3	ACIS-3	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	196.757114	196.7481075159867	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	23.659303	23.63316715830229	Subarray start row	769	769
[deg] Pointing Roll	222.087781	222.2998624536787	Subarray row count	256	256
[mm] SIM focus pos	-0.782348	-0.7809083437167272	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001439871863259334	[s] Primary exposure time	0.000000	0.8
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	107362343.184000	107361143.65333			
Observation start date	2001-05-27T14:51:19	2001-05-27T14:32:23			
[s] Observation end time (MET)	107365350.184000	107365664.416			
Observation end date	2001-05-27T15:41:26	2001-05-27T15:47:44			
Read mode	TIMED	TIMED			

2.3 Aspect



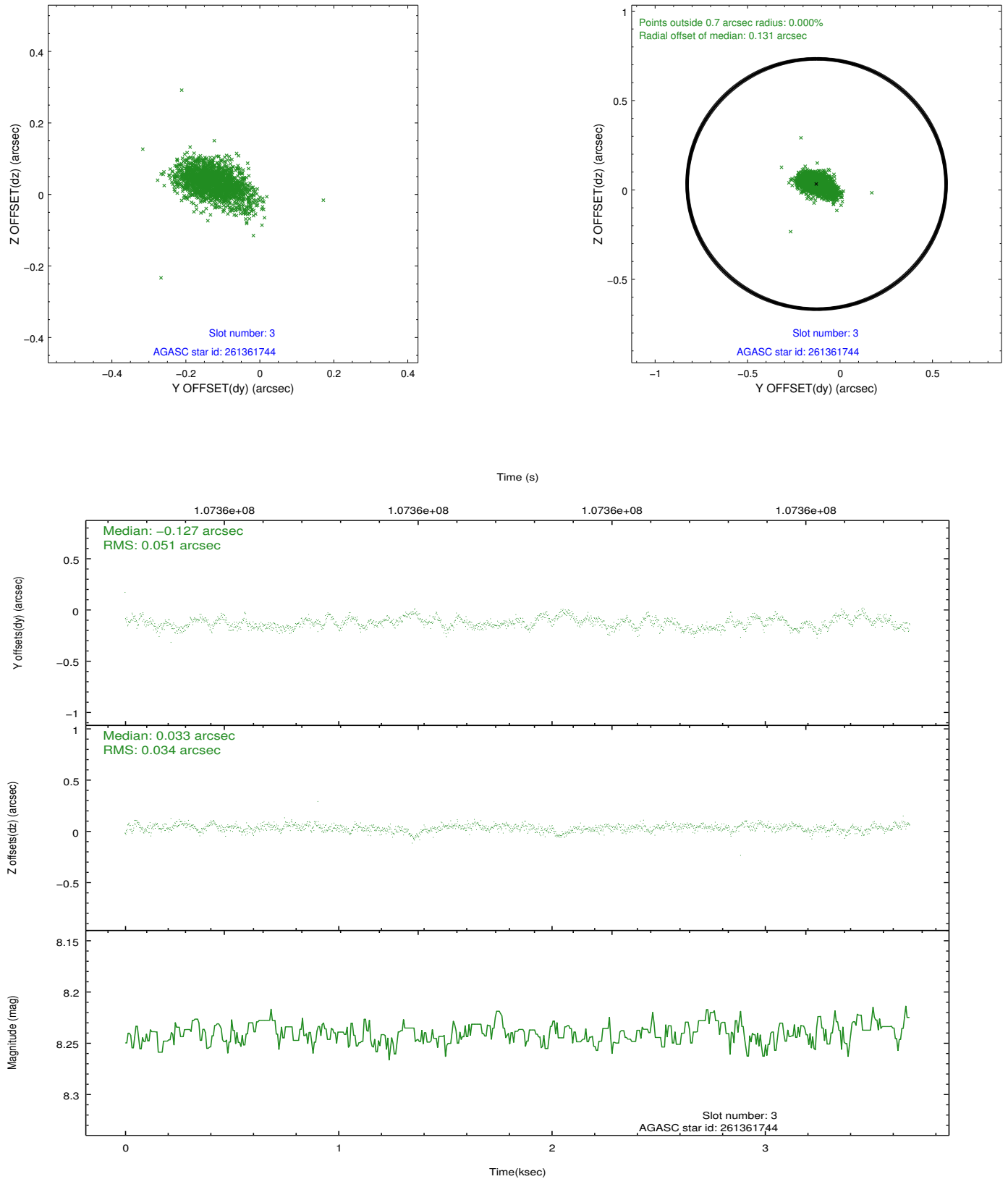


Slot Statistics

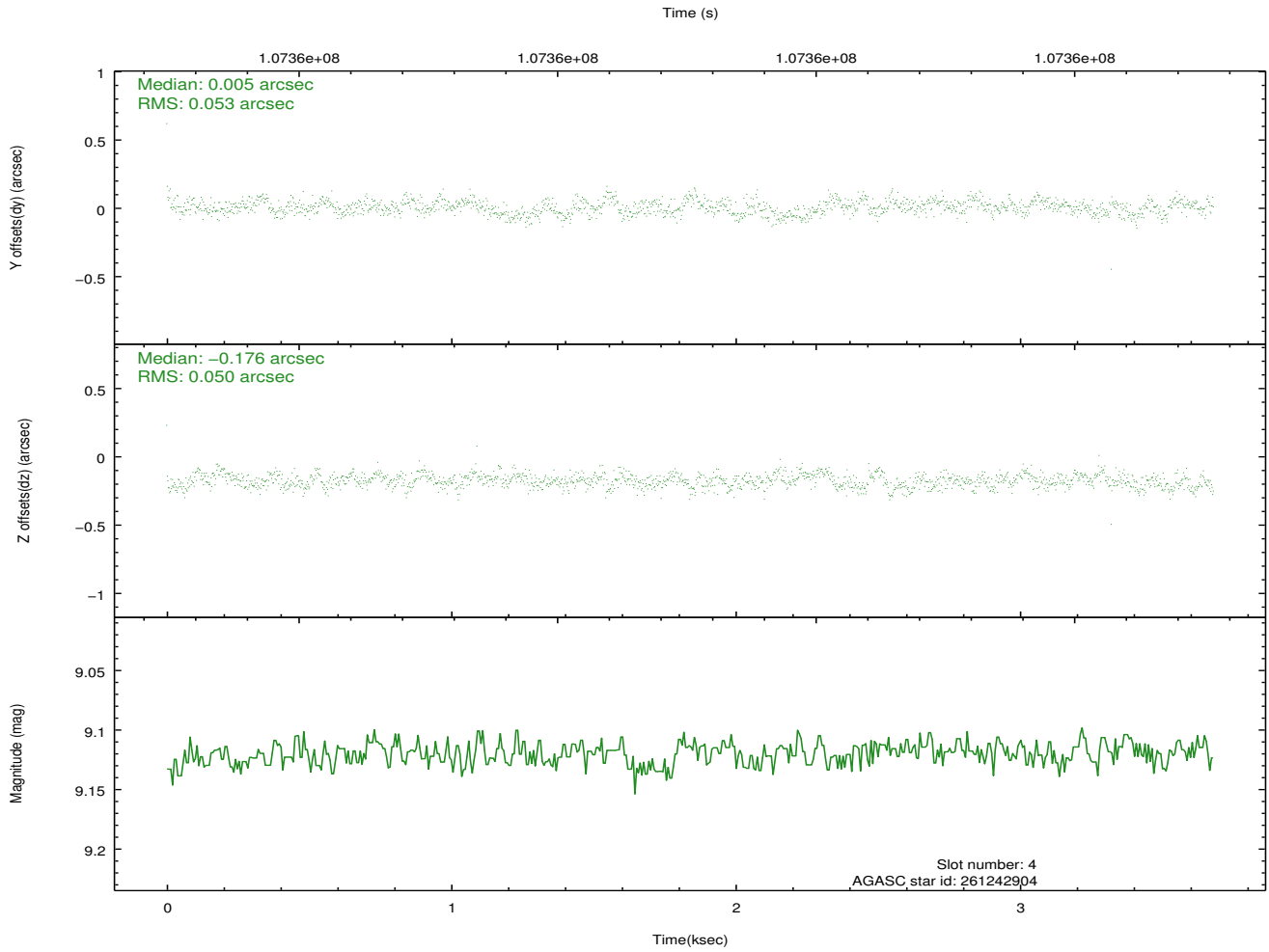
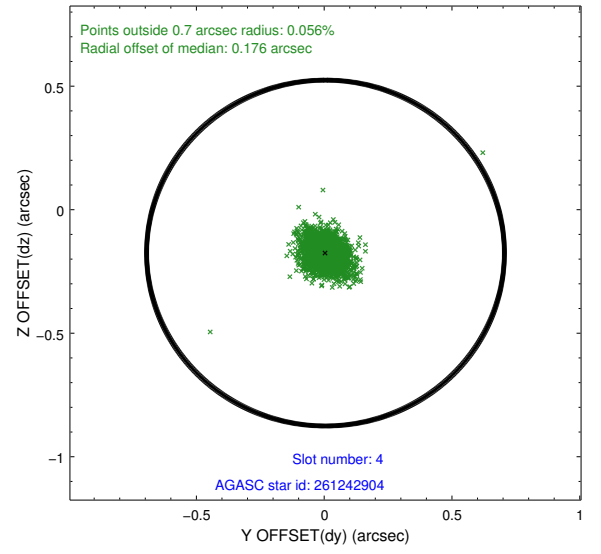
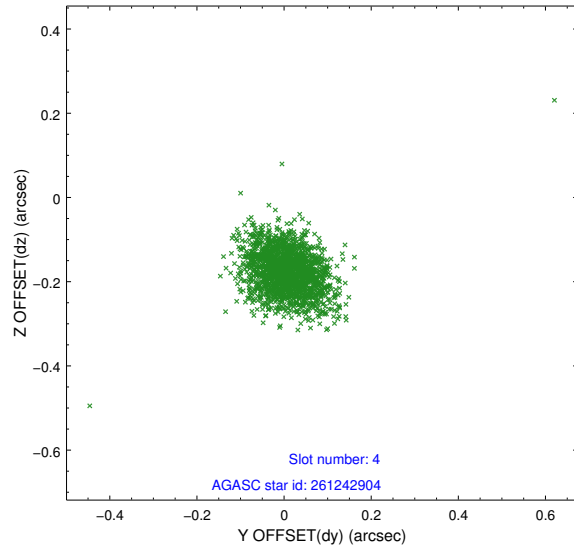
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	898	-0.062	0.005	0.006	0.011	0.000000	0.000000	-756.68	-836.29
1	FID	ACIS-I-4	7.18	898	-0.011	0.044	0.007	0.013	0.000000	0.000000	2156.62	1069.13
2	FID	ACIS-I-6	7.26	898	-0.026	0.014	0.009	0.016	0.000000	0.000000	405.58	1713.19
3	GUIDE	261361744	8.24	1796	-0.127	0.033	0.062	0.110	197.313391	23.893010	-1923.58	599.71
4	GUIDE	261242904	9.12	1793	0.005	-0.176	0.073	0.122	196.444665	23.840637	325.89	-1174.99
5	GUIDE	261363408	9.35	1796	-0.012	0.061	0.111	0.170	197.632861	23.488126	-1737.19	2387.92
6	GUIDE	261366280	7.50	1794	-0.077	-0.049	0.055	0.089	196.971713	23.624777	-441.90	567.24
7	GUIDE	261246664	9.53	1795	0.213	0.137	0.099	0.162	196.492801	22.952241	2357.28	1301.43

2.4 Star Slots

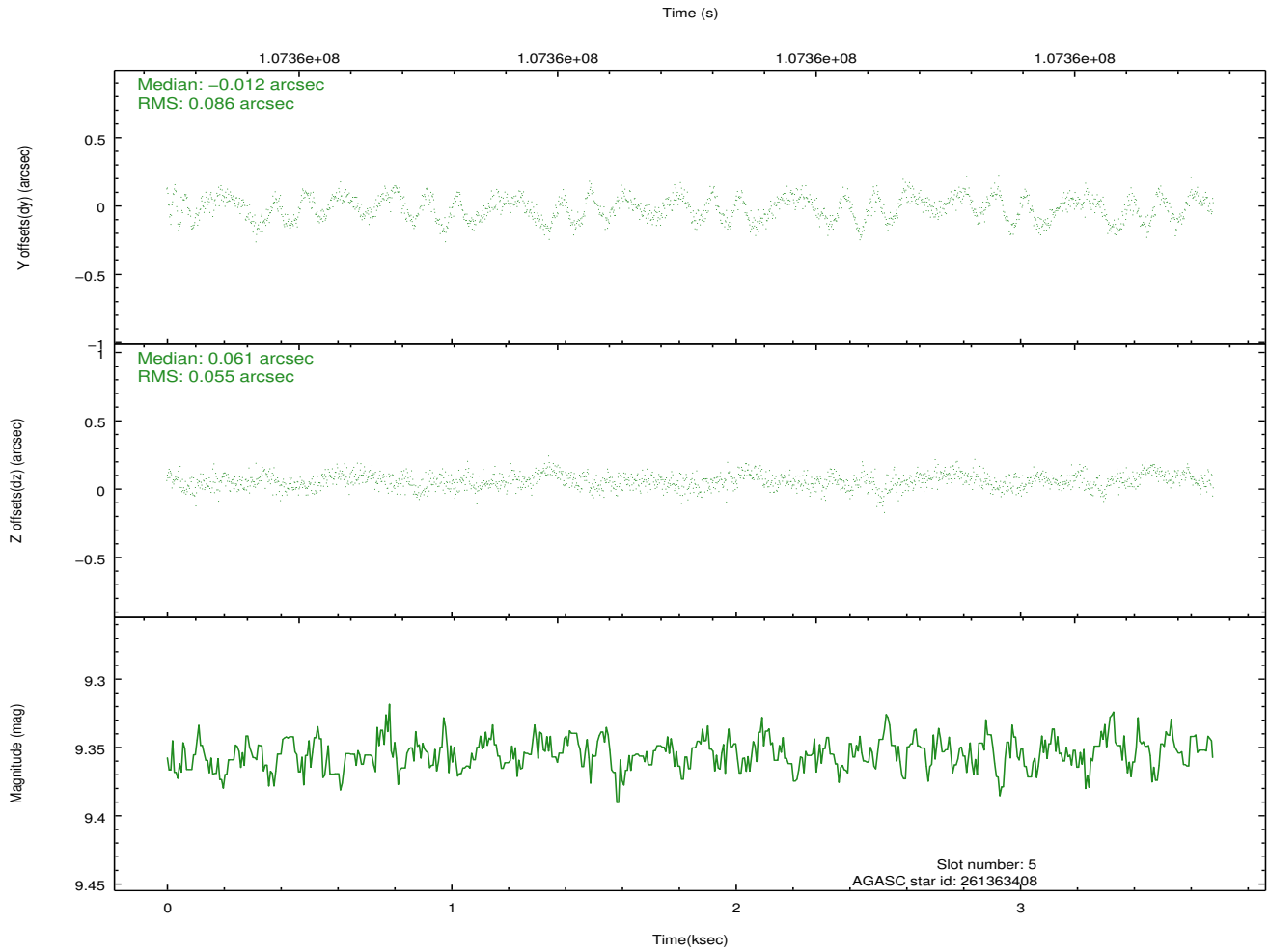
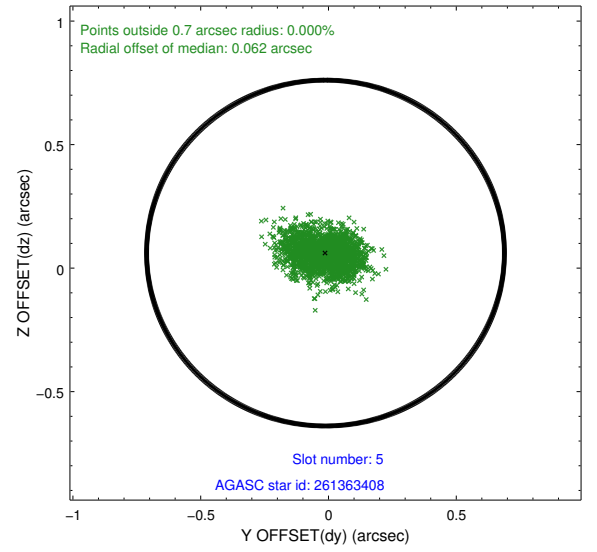
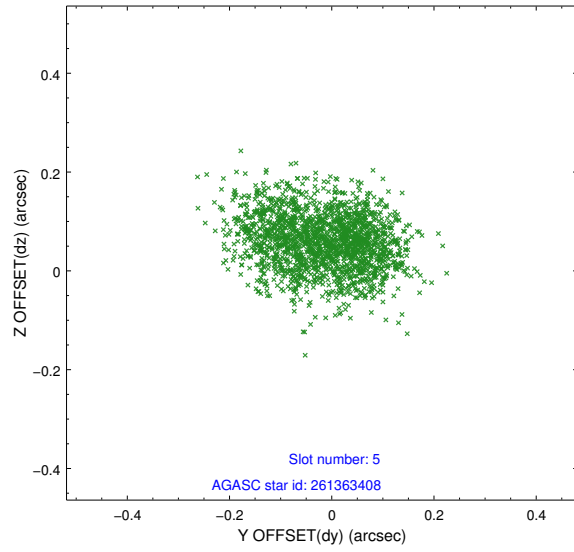
2.4.1 Slot 3



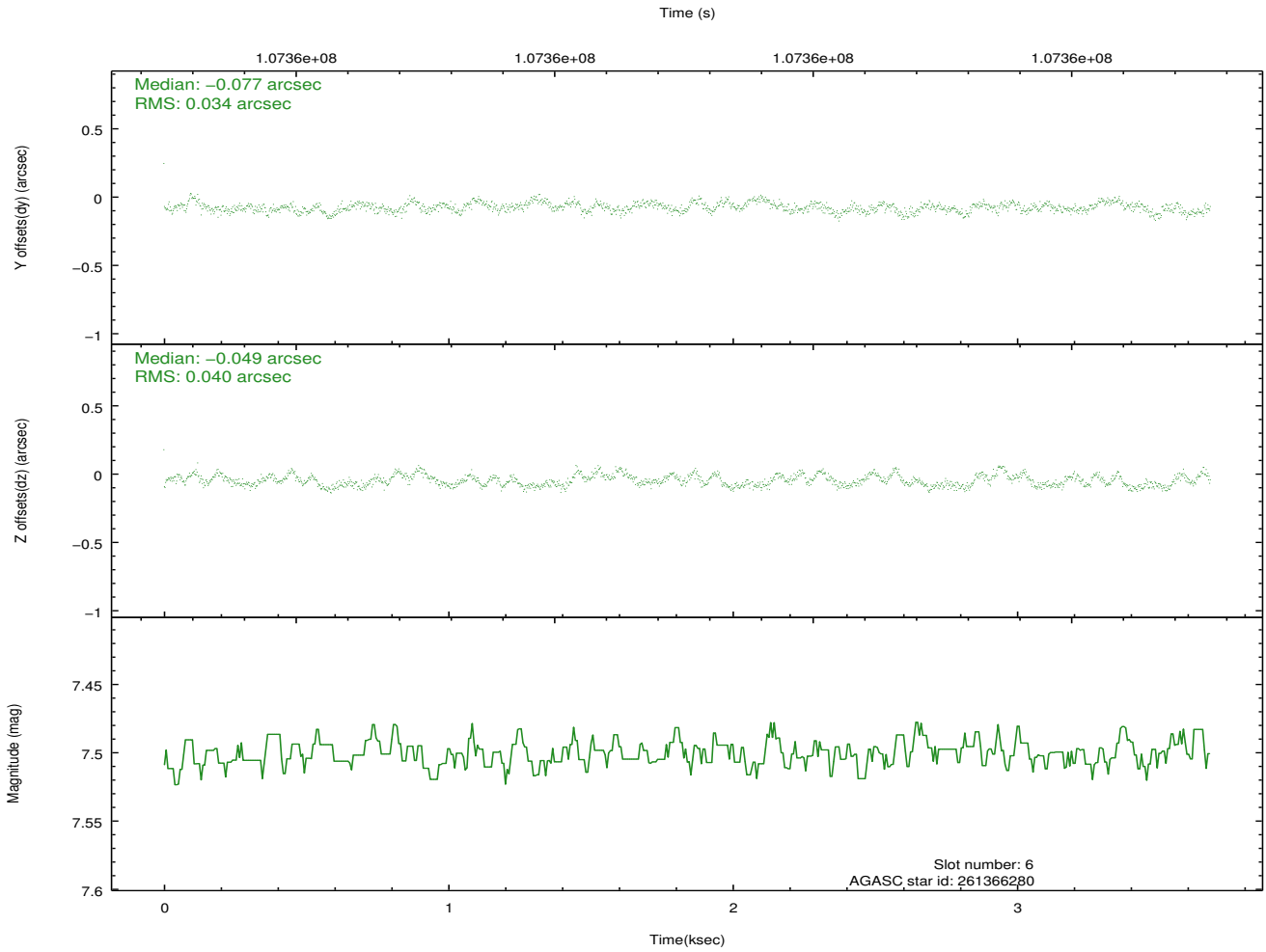
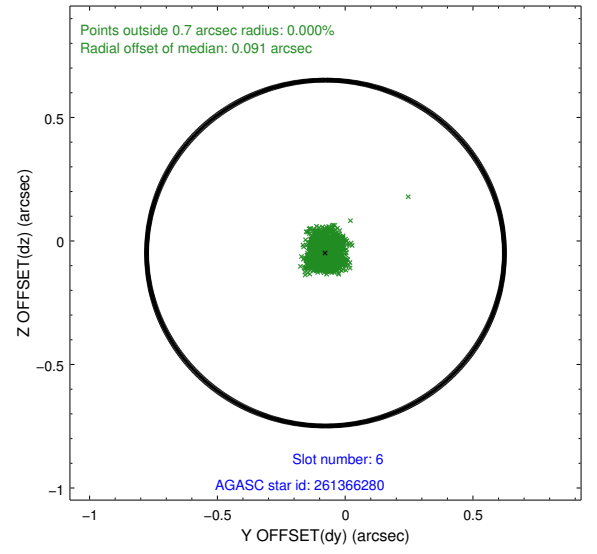
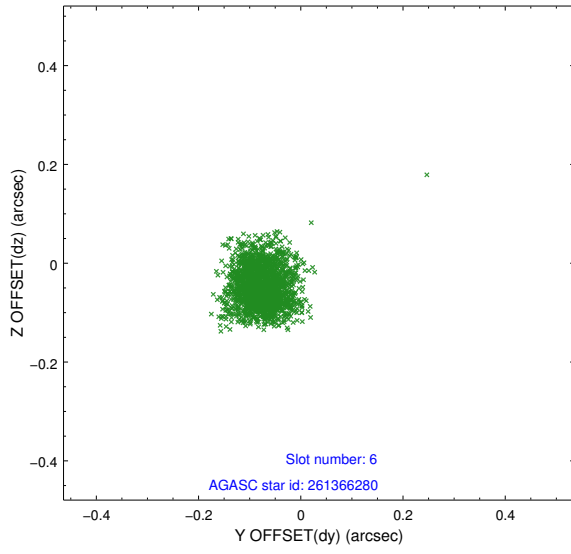
2.4.2 Slot 4



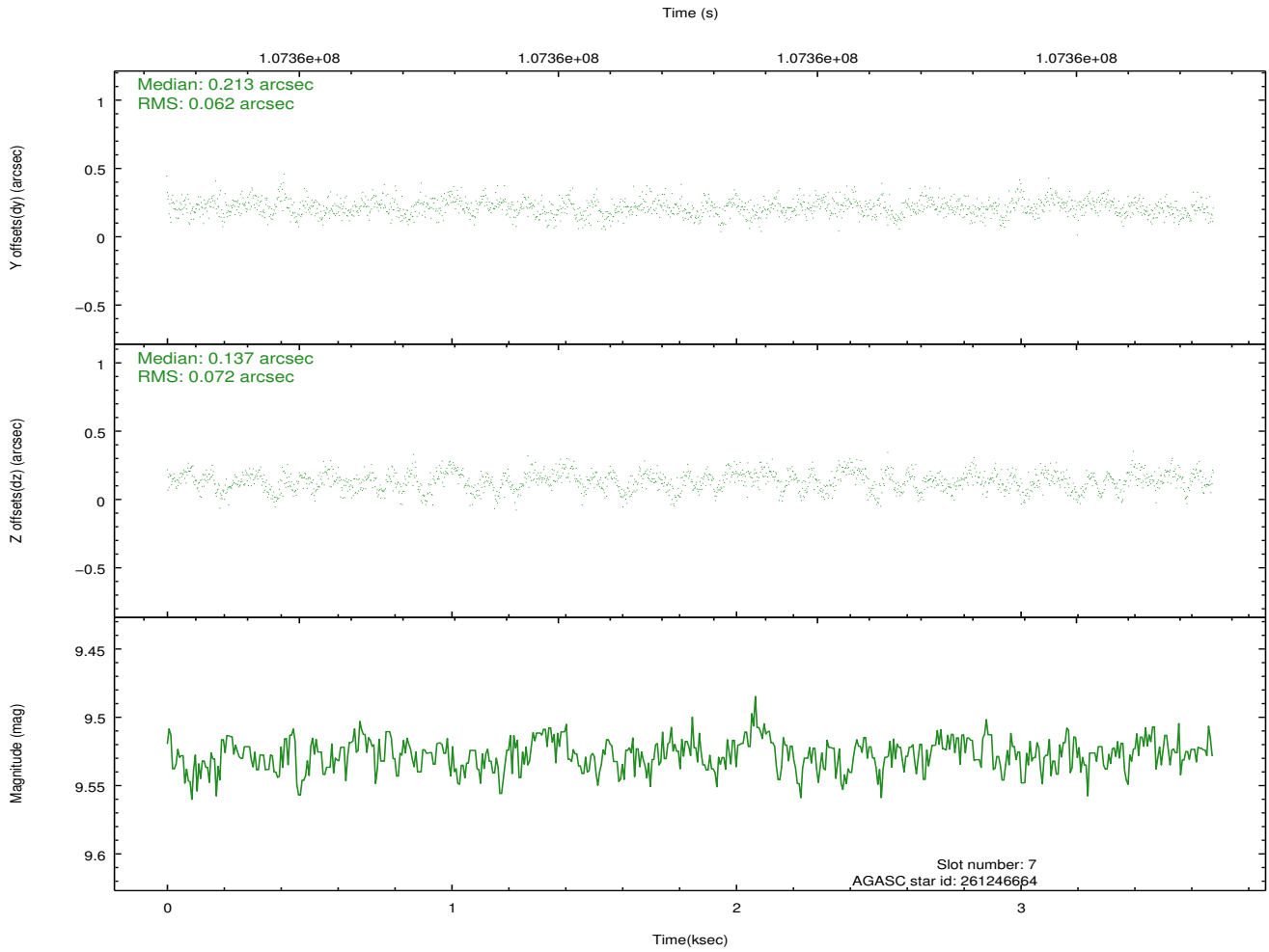
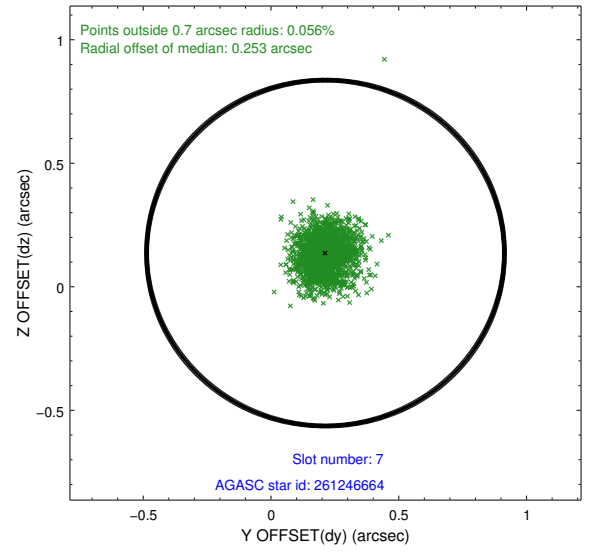
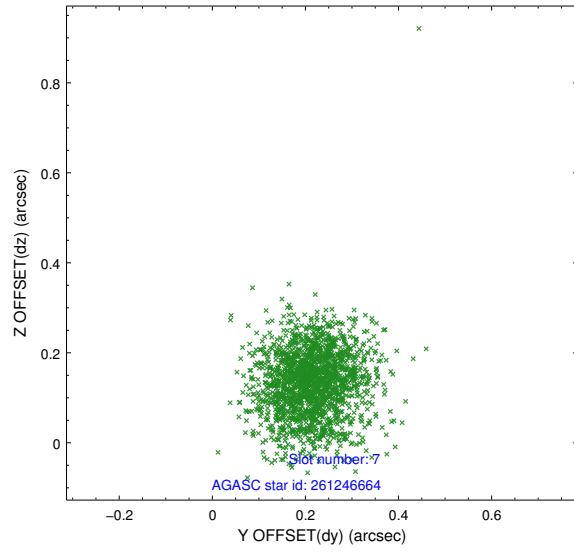
2.4.3 Slot 5



2.4.4 Slot 6

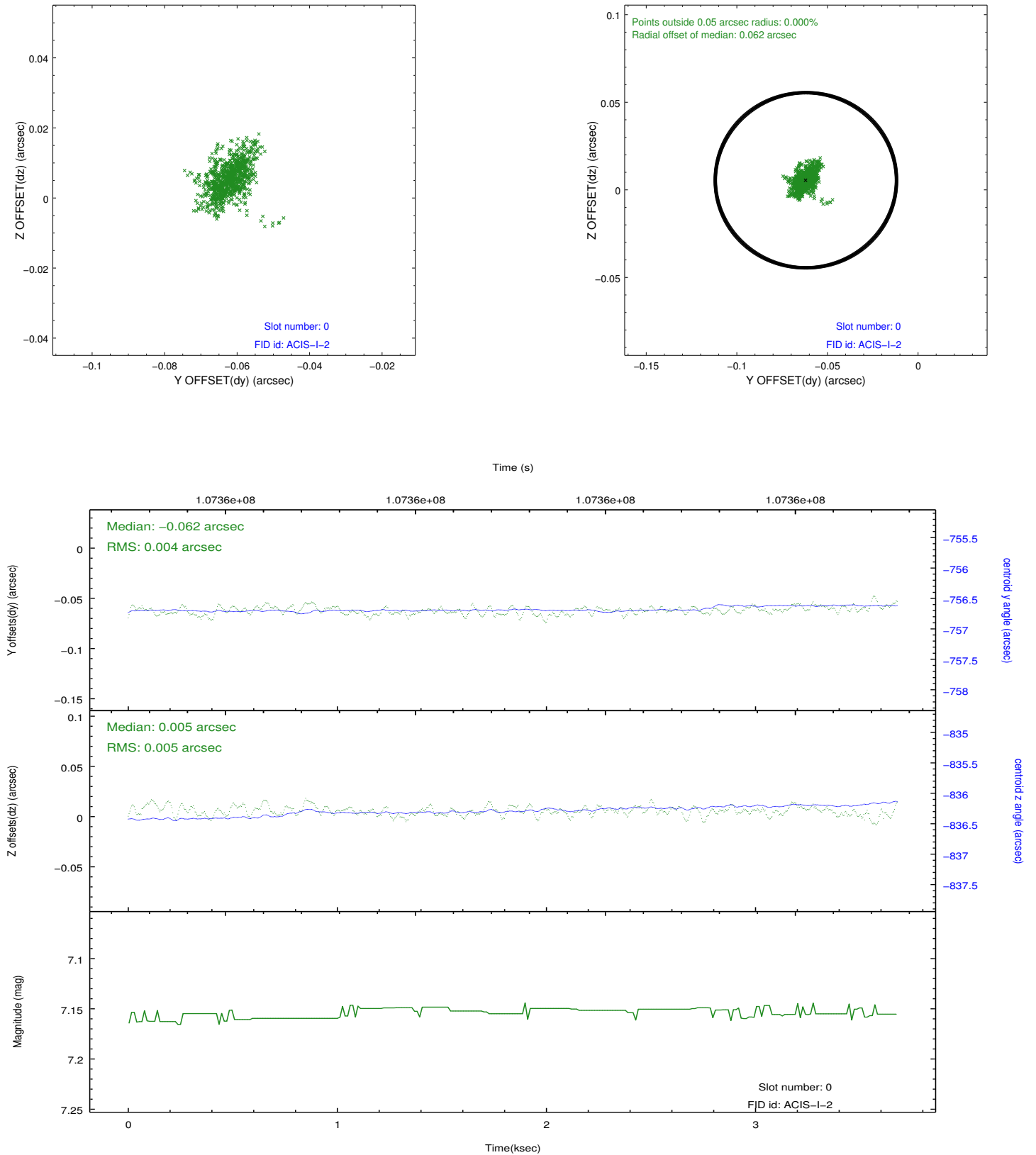


2.4.5 Slot 7

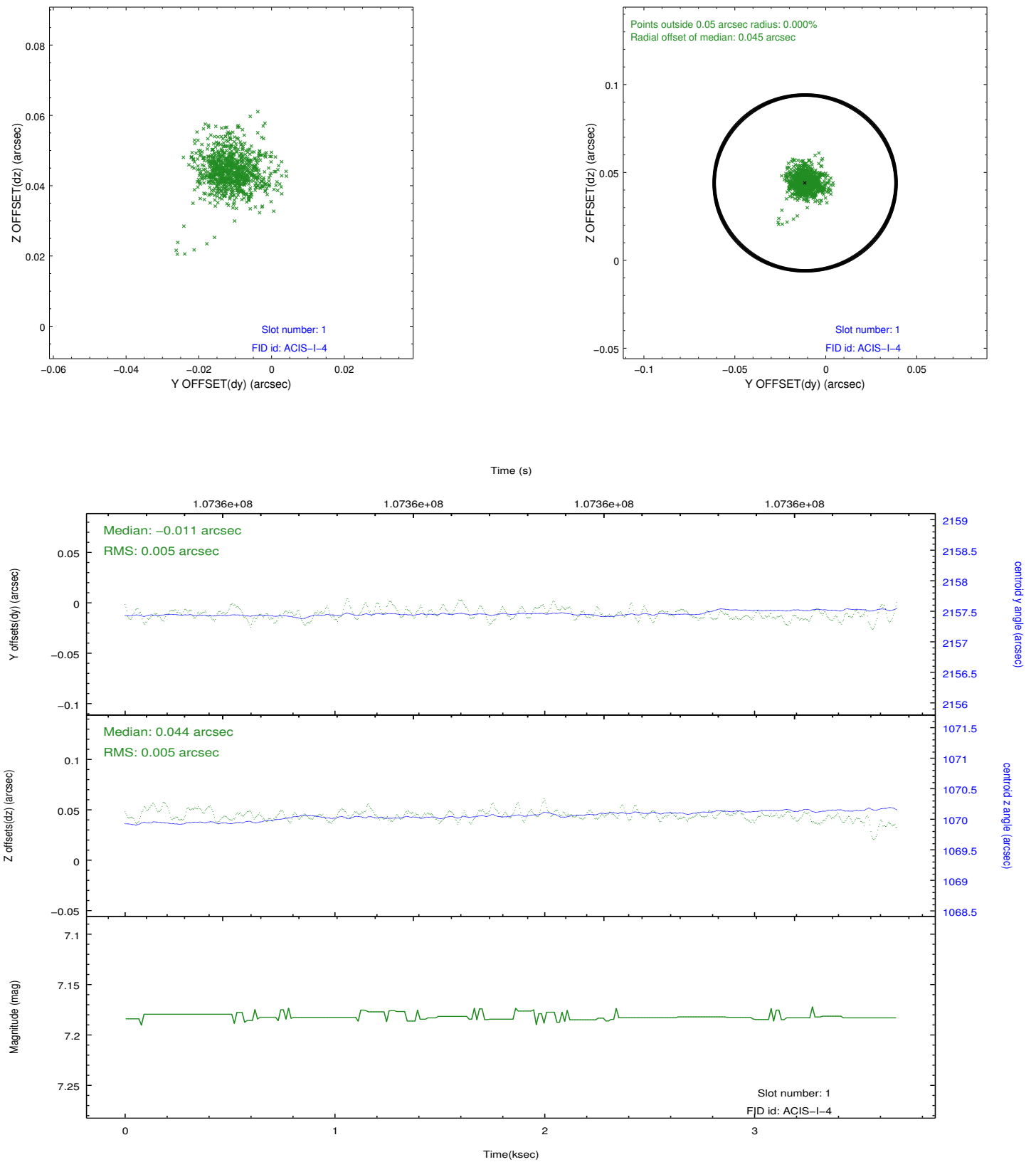


2.5 FID Slots

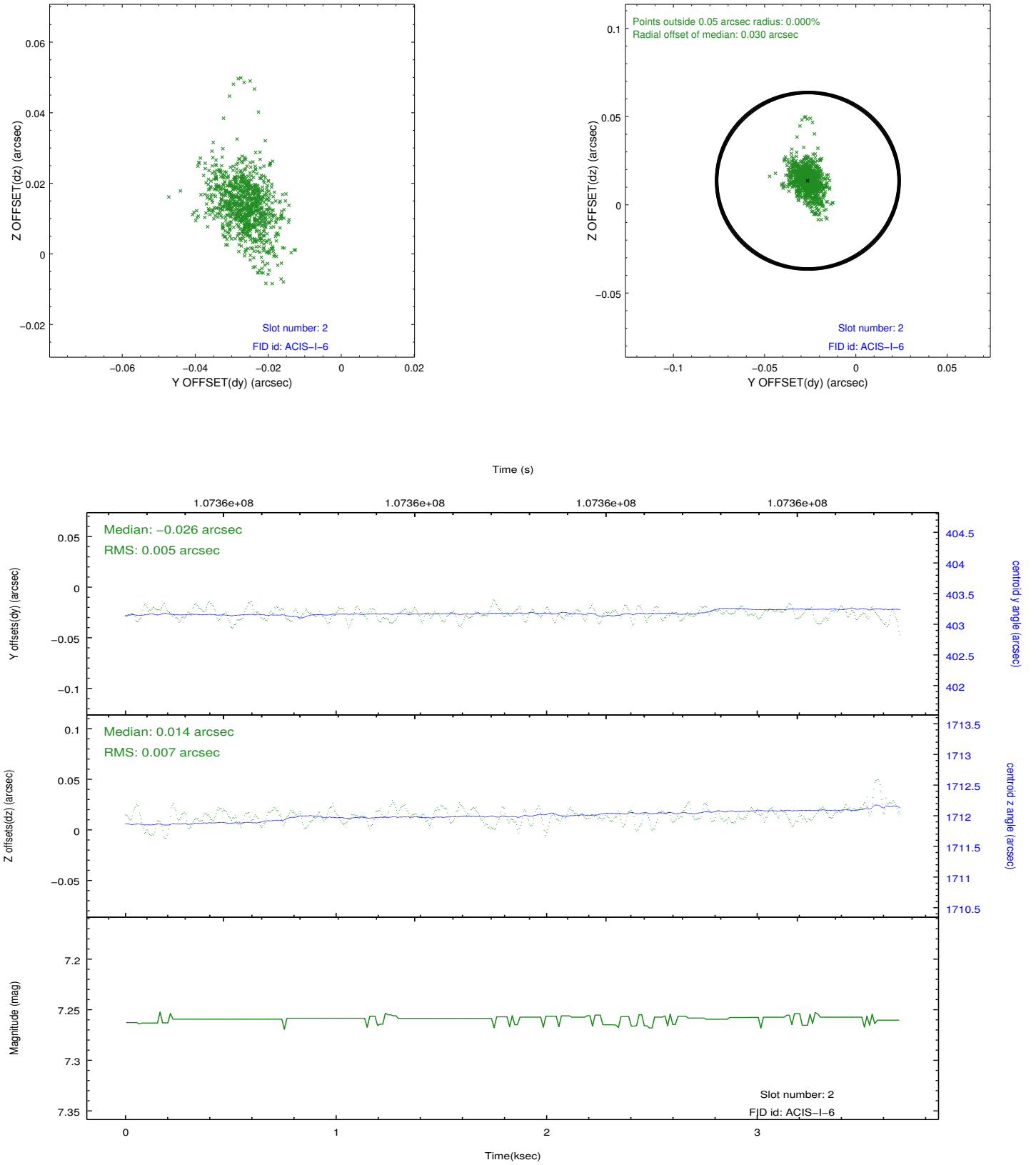
2.5.1 Slot 0



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)	2012.09.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.7

A.2 Comments