

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11446 - L2 Version 2
Chandra X-Ray Center

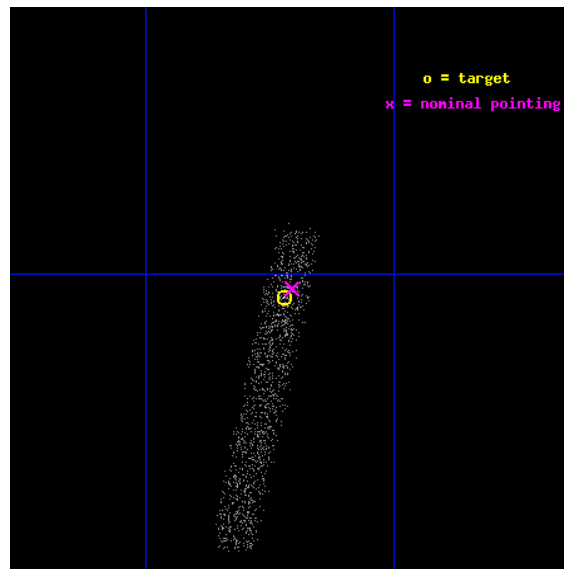
L2 Processing Date : Jun 18 2012

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

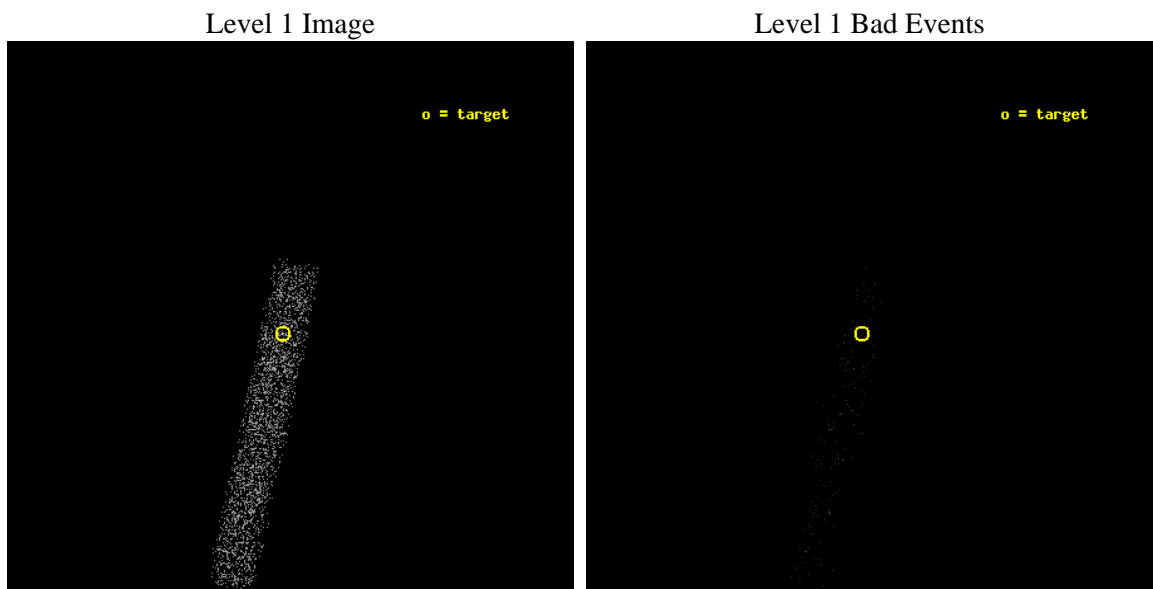
seq_num	702032	Sequence number
obs_id	11446	Observation id
title	X-ray Signatures of Accretion in AGNs with Intermediate-mass Black Holes	Proposal title
observer	Dr. Luis Ho	Principal investigator
object	SDSS J082443.28+295923.5	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	126.180417	Observer's specified target RA [deg]
dec_targ	29.989861	Observer's specified target Dec [deg]
ra_nom	126.1765270383	Nominal RA [deg]
dec_nom	29.993535345763	Nominal Dec [deg]
roll_nom	102.15875496075	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2184.7998697758	Sum of GTIs [s]
livetime	1981.4981586938	Livetime [s]
ontime7	2184.7998697758	Sum of GTIs [s]
l2events	1498	Number of level 2 events



2 OBI

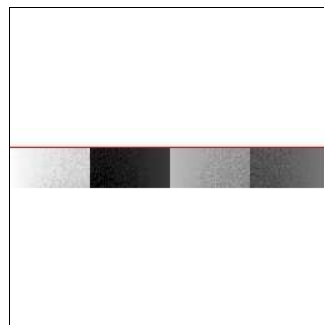
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2184.7998697758	Sum of GTIs [s]
caldsver	4.4.10	 	ontime7	2184.7998697758	Sum of GTIs [s]
date	2012-06-18T18:42:50	Date and time of file creation	l1events	3421	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

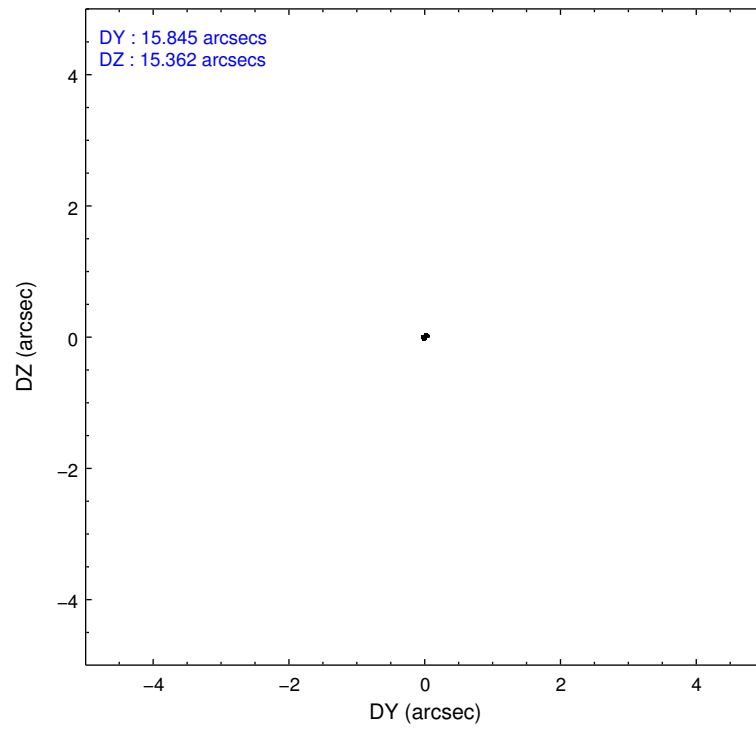
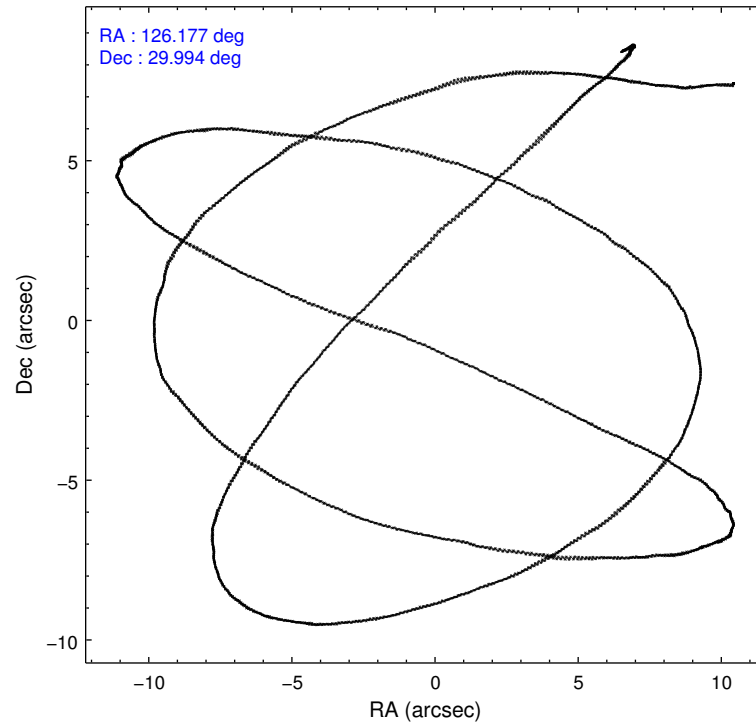
	ccd 7
level 1 events	3421
rejected events	1854
rejected %	54%

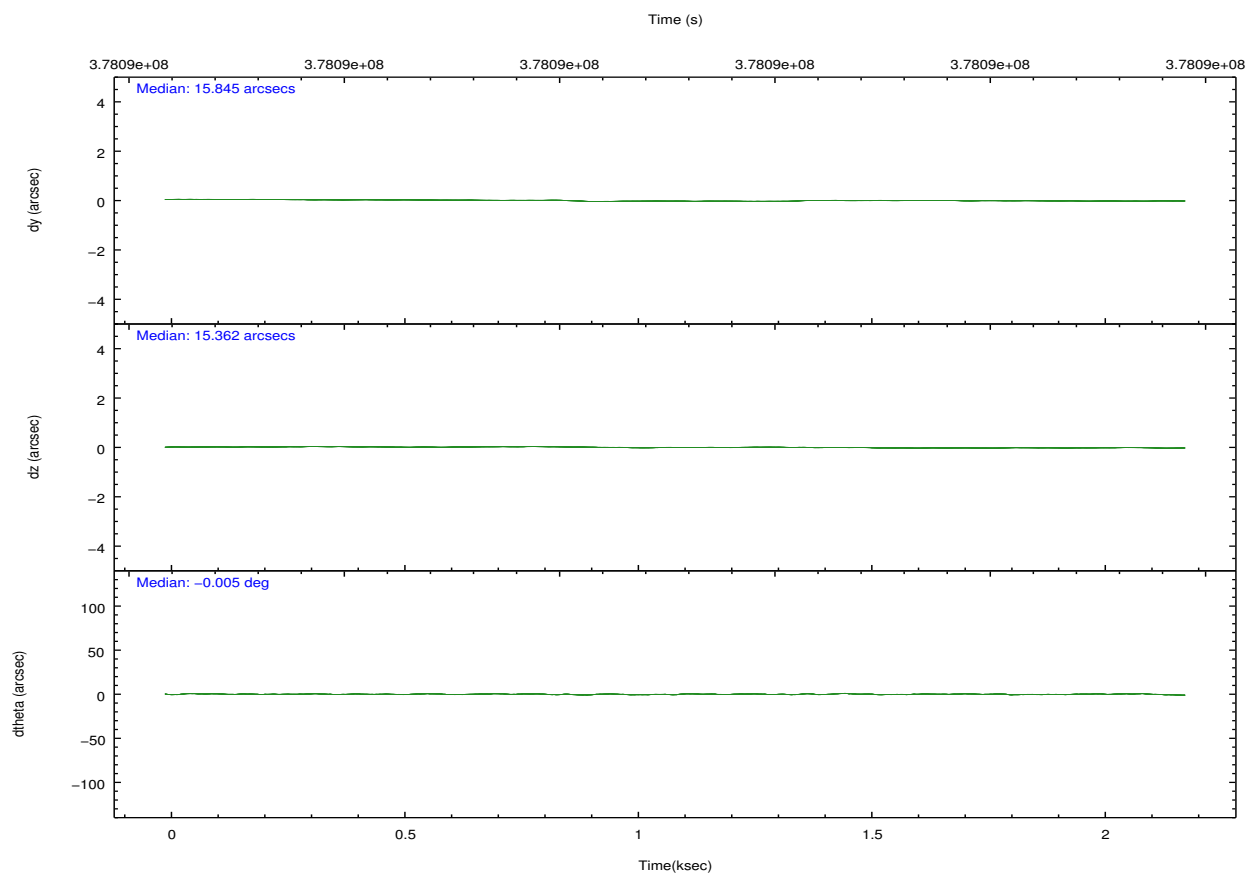
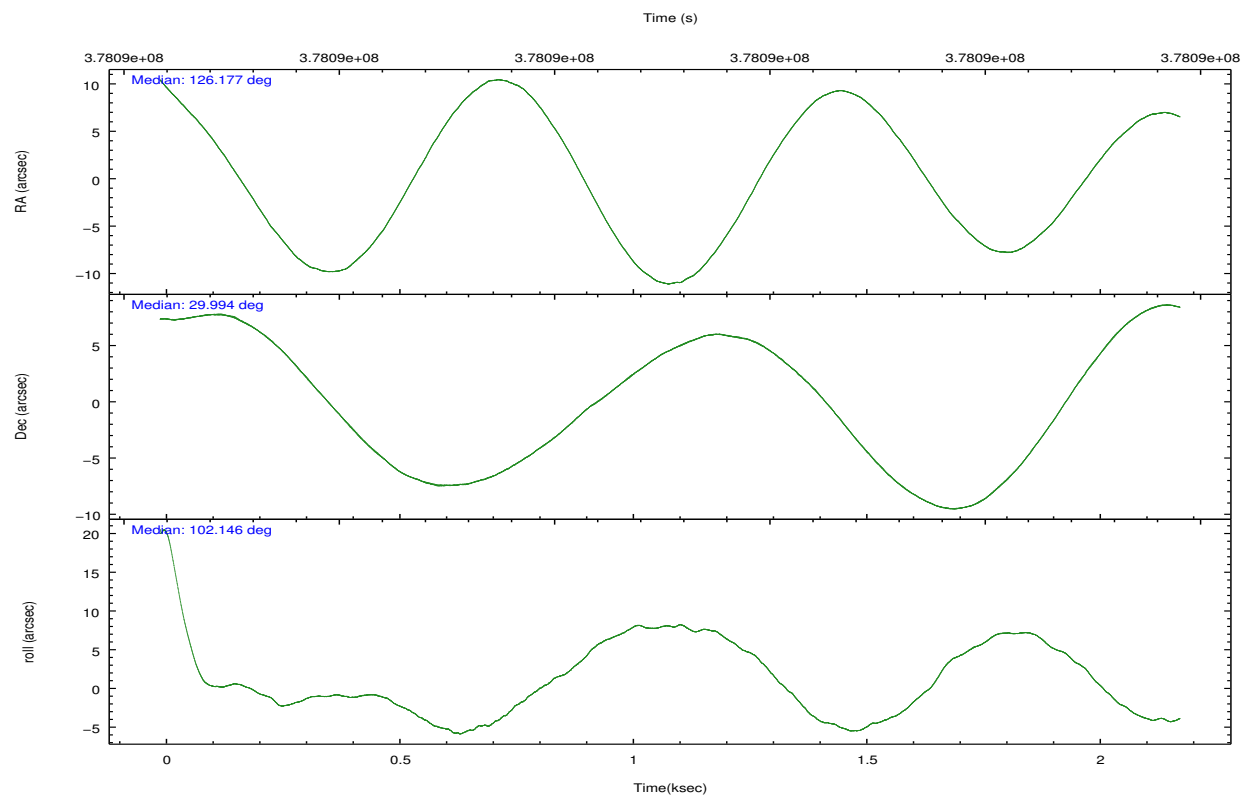
	ccd 7
grade 0 events	206
	6%
grade 1 events	2
	0%
grade 2 events	334
	9%
grade 3 events	265
	7%
grade 4 events	249
	7%
grade 5 events	345
	10%
grade 6 events	769
	22%
grade 7 events	1251
	36%

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	126.198040	126.1765270382954	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	29.973339	29.99353534576297	Subarray start row	449	449
[deg] Pointing Roll	101.991203	102.158754960749	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)	378091851.184000	378090994.53136			
Observation start date	2009-12-25T01:29:45	2009-12-25T01:16:34			
[s] Observation end time (MET)	378093851.184000	378094908.49406			
Observation end date	2009-12-25T02:03:05	2009-12-25T02:21:48			
Read mode	TIMED	TIMED			

2.3 Aspect



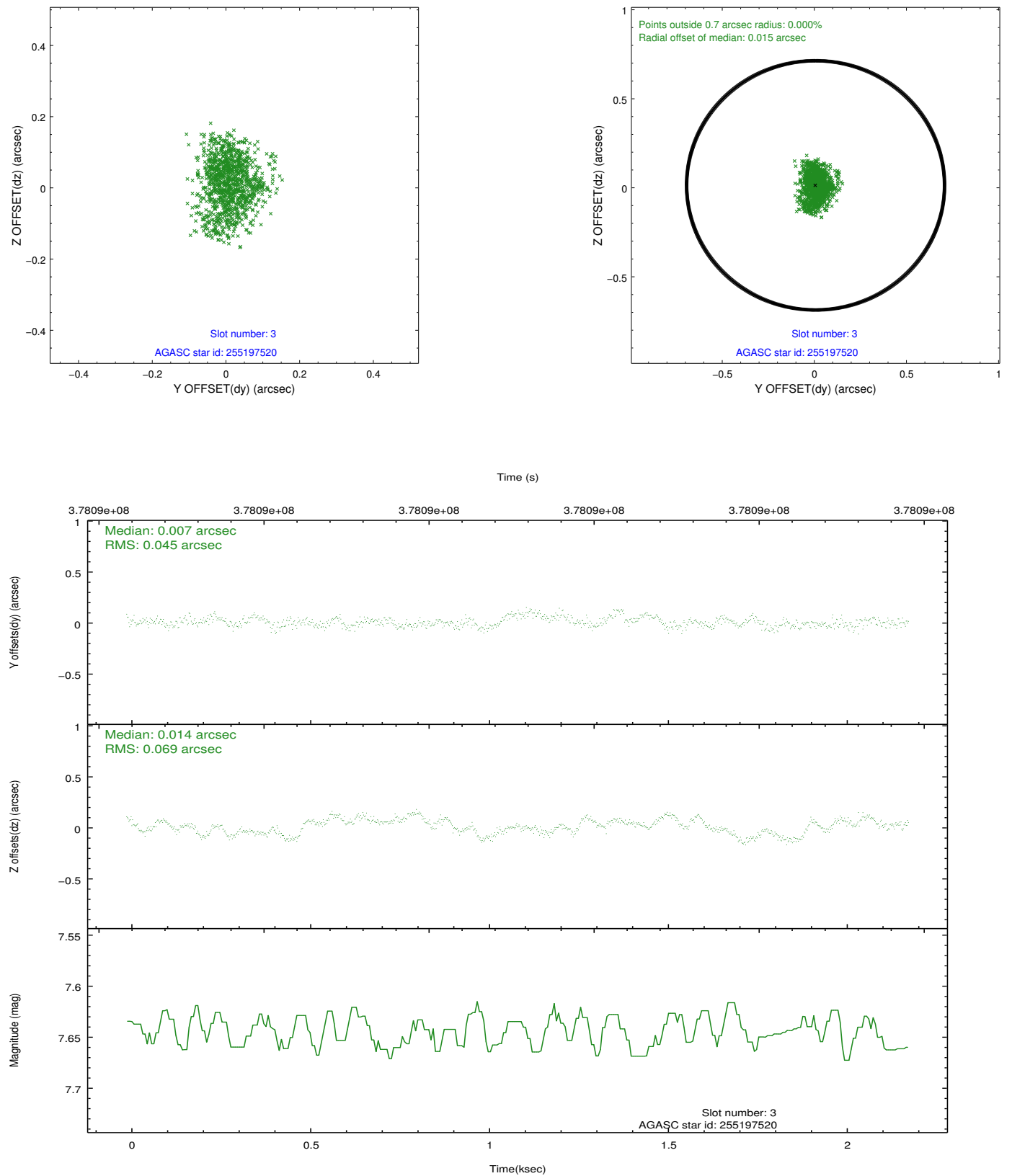


Slot Statistics

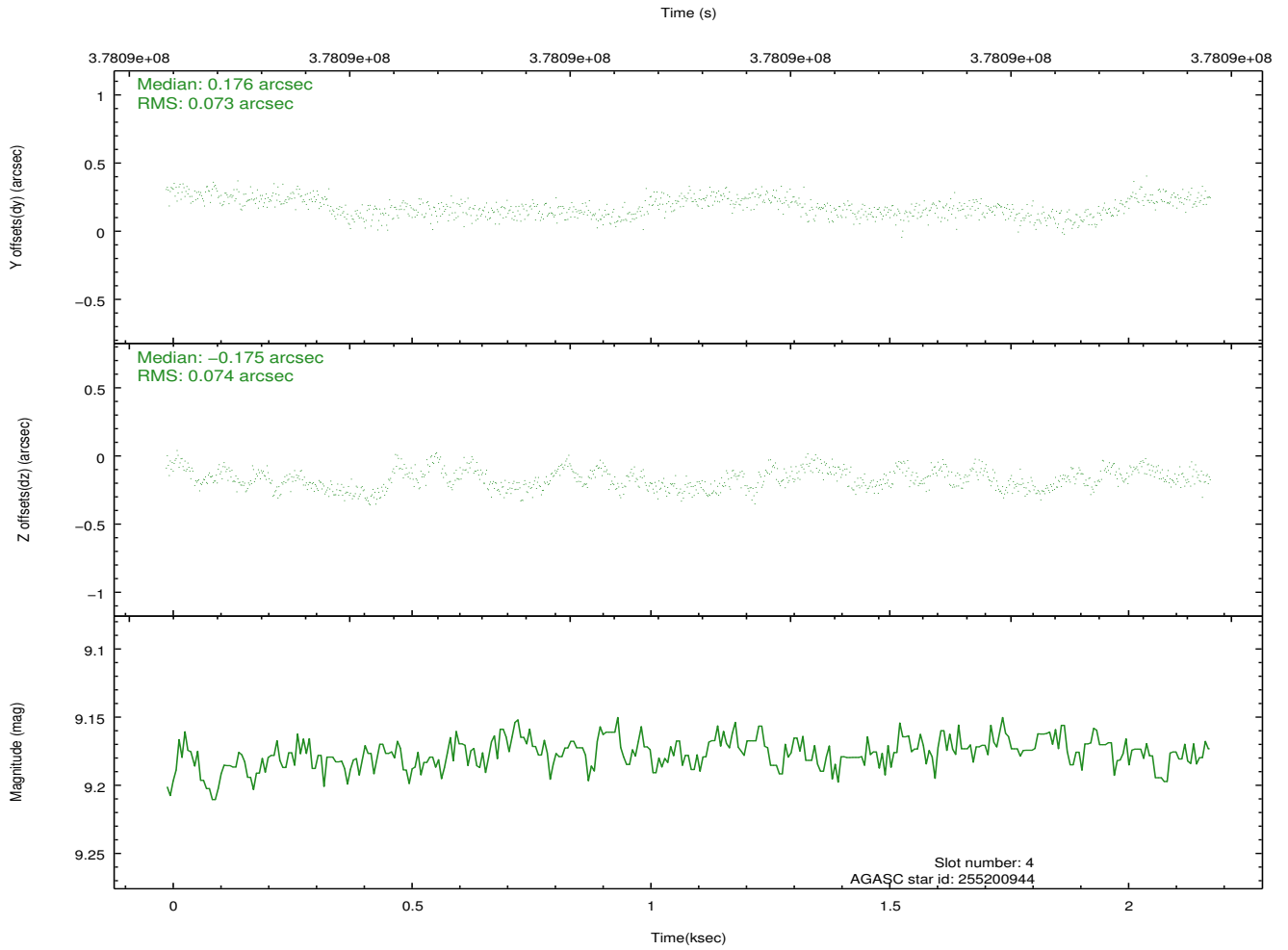
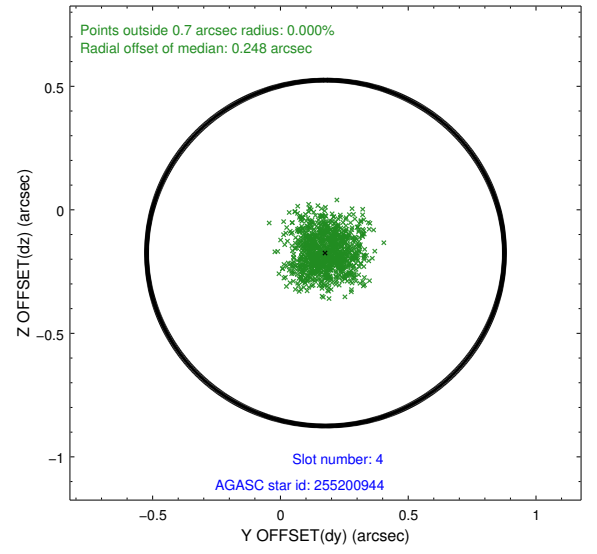
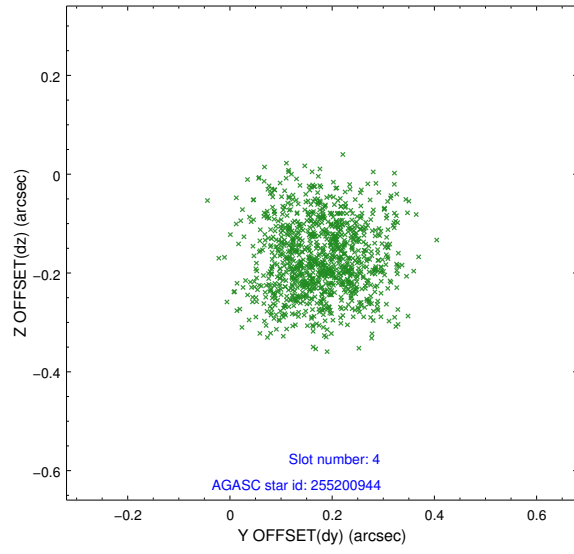
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.87	533	-0.098	-0.006	0.006	0.010	0.000000	0.000000	-768.92	-1736.77
1	FID	ACIS-S-4	6.96	533	0.180	0.049	0.005	0.009	0.000000	0.000000	2143.25	168.70
2	FID	ACIS-S-5	6.99	533	-0.113	-0.034	0.006	0.010	0.000000	0.000000	-1817.97	165.65
3	GUIDE	255197520	7.64	1067	0.007	0.014	0.088	0.141	126.331195	29.651749	-1219.21	-166.68
4	GUIDE	255200944	9.18	1066	0.176	-0.175	0.113	0.180	126.022182	29.720960	-775.75	726.65
5	GUIDE	323750840	8.94	1065	-0.246	-0.070	0.108	0.166	125.868276	30.176059	926.99	853.16
6	GUIDE	325460216	9.85	1055	-0.069	0.073	0.212	0.324	126.882907	30.343151	867.38	-2357.79
7	GUIDE	255207728	10.10	1064	0.138	0.147	0.207	0.326	127.107497	29.481065	-2313.99	-2424.58

2.4 Star Slots

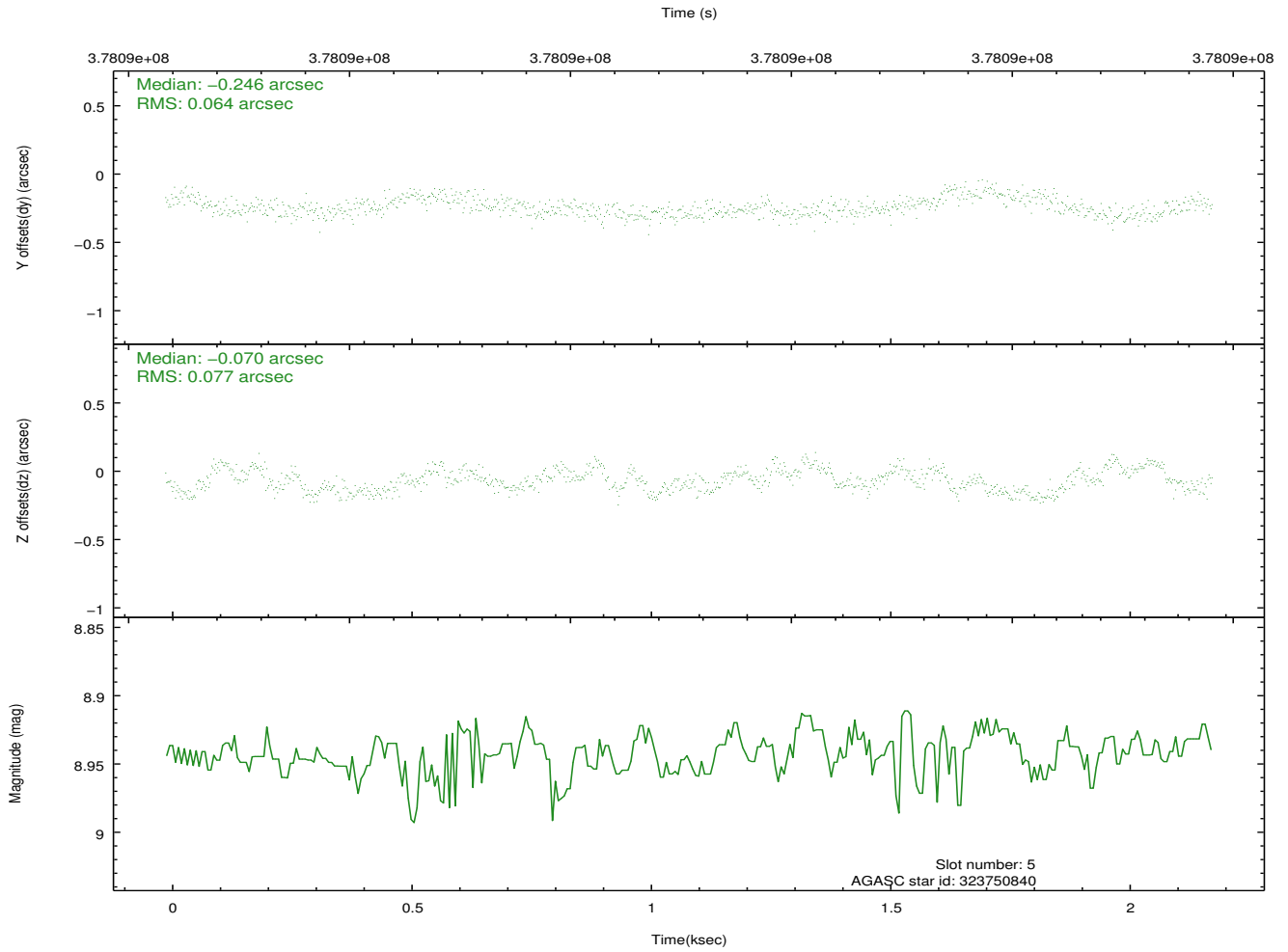
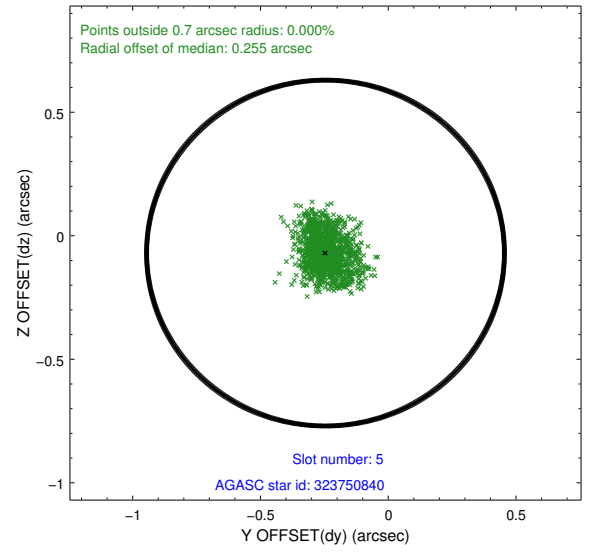
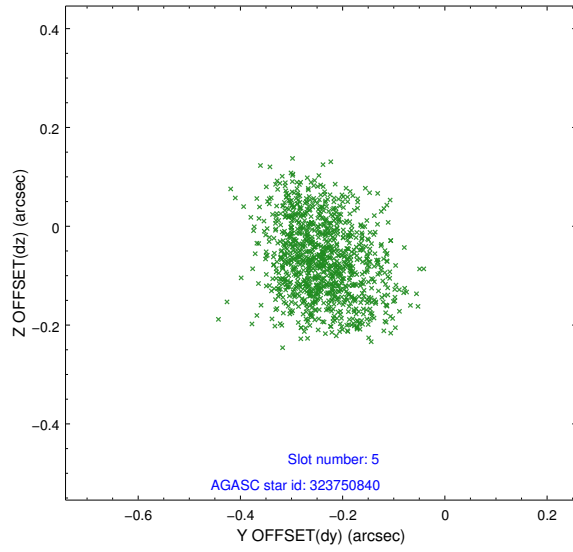
2.4.1 Slot 3



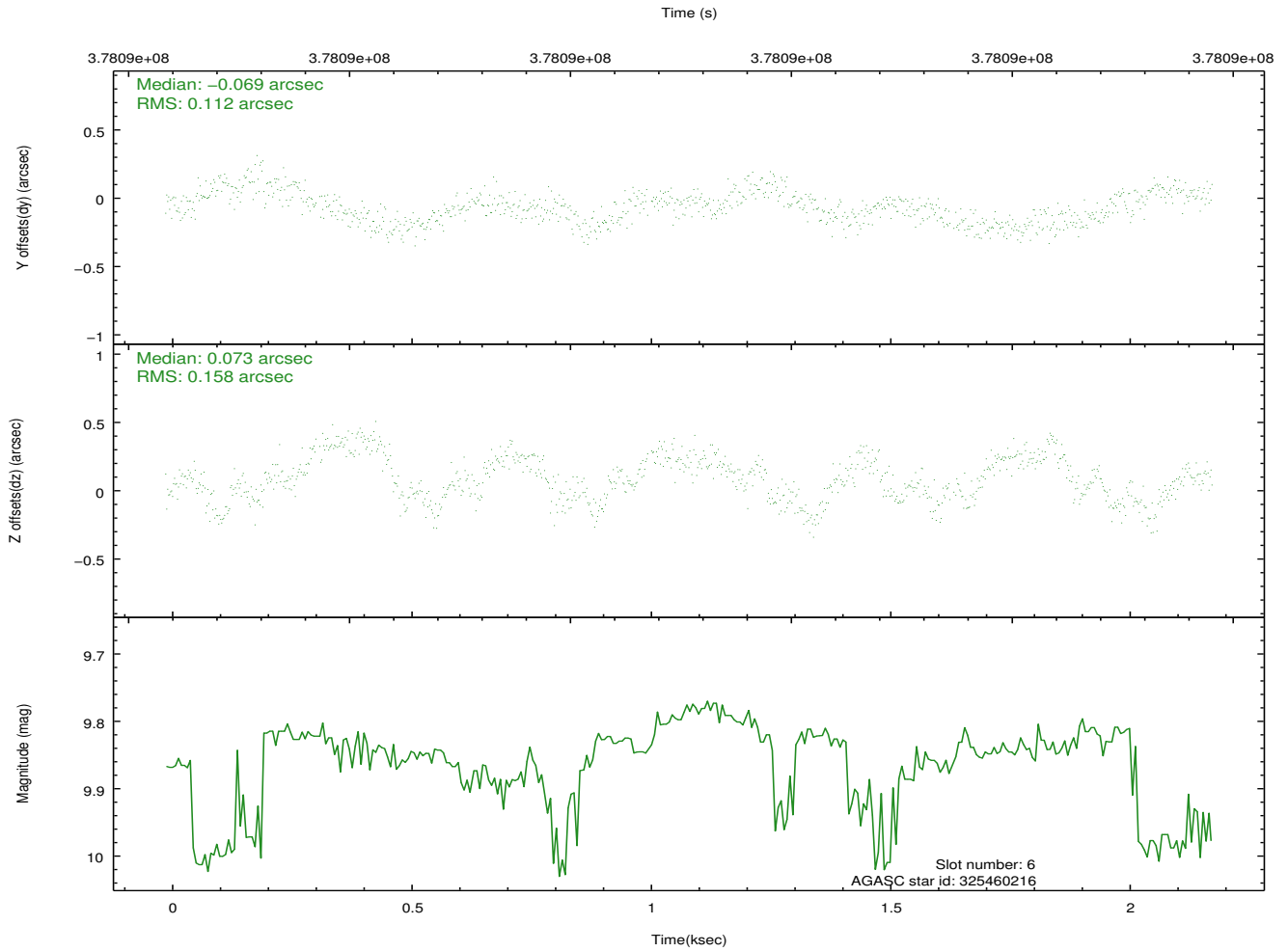
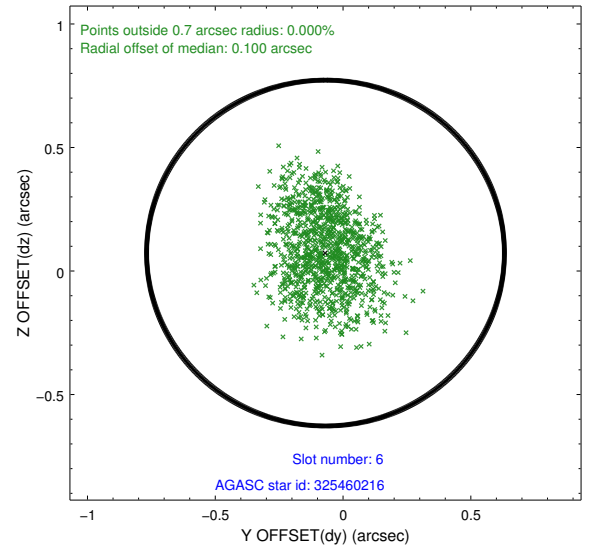
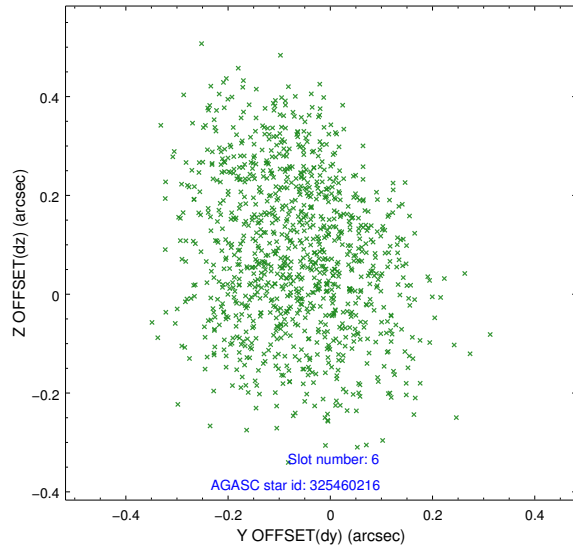
2.4.2 Slot 4



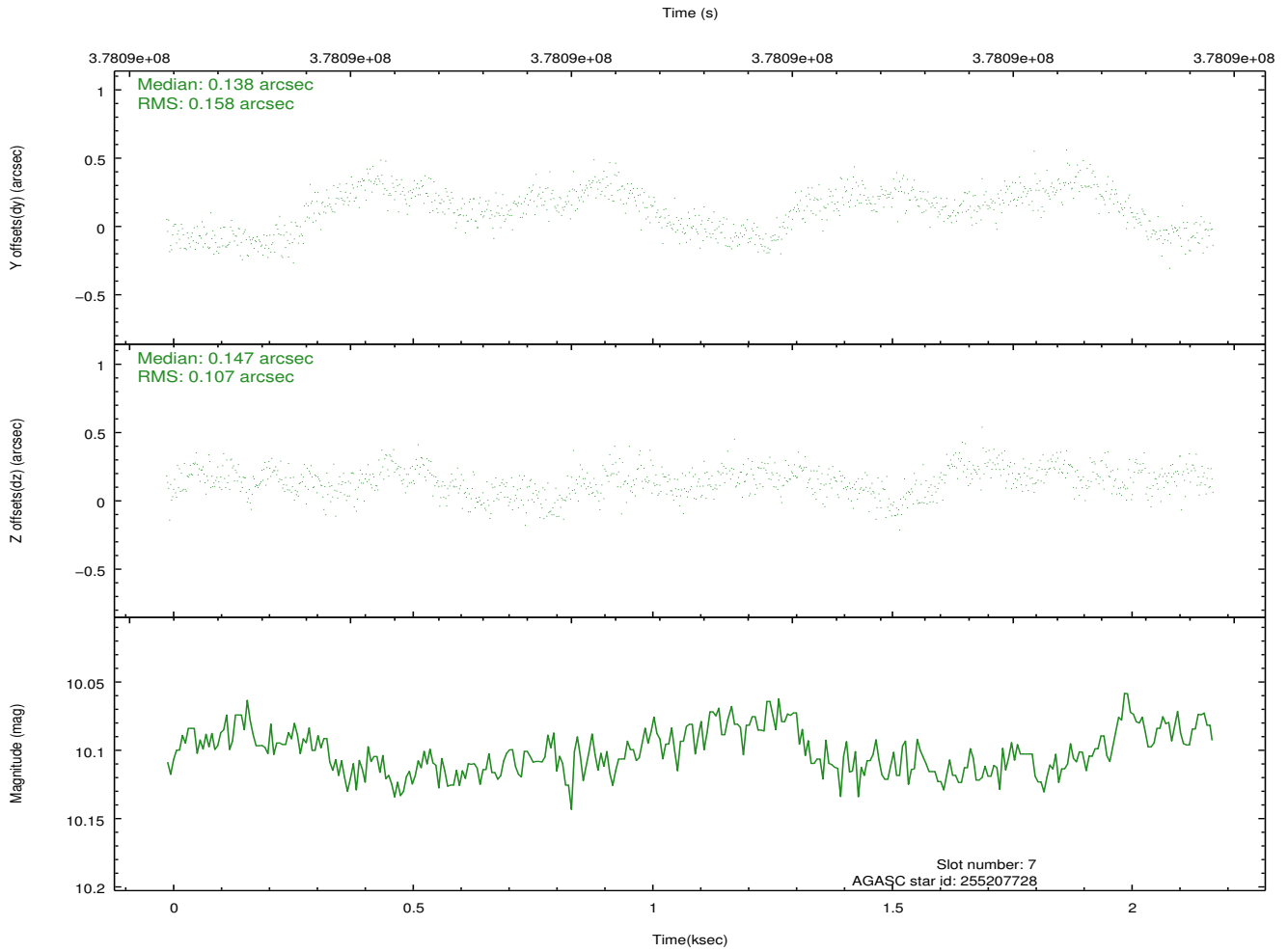
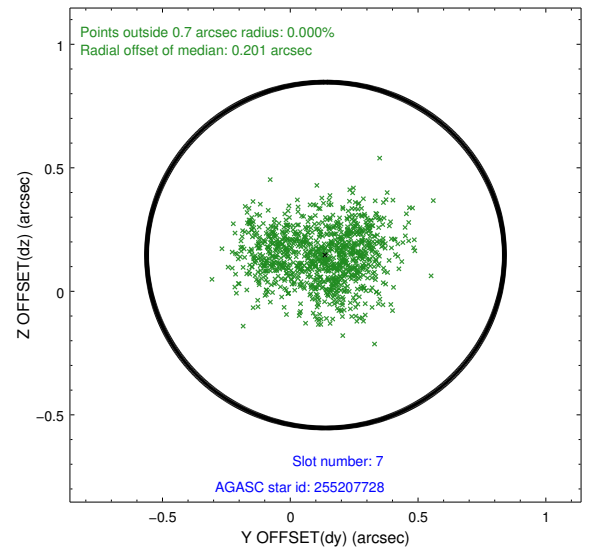
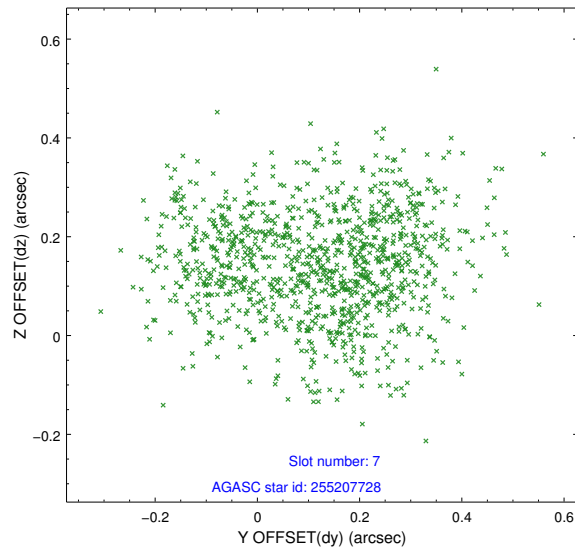
2.4.3 Slot 5



2.4.4 Slot 6

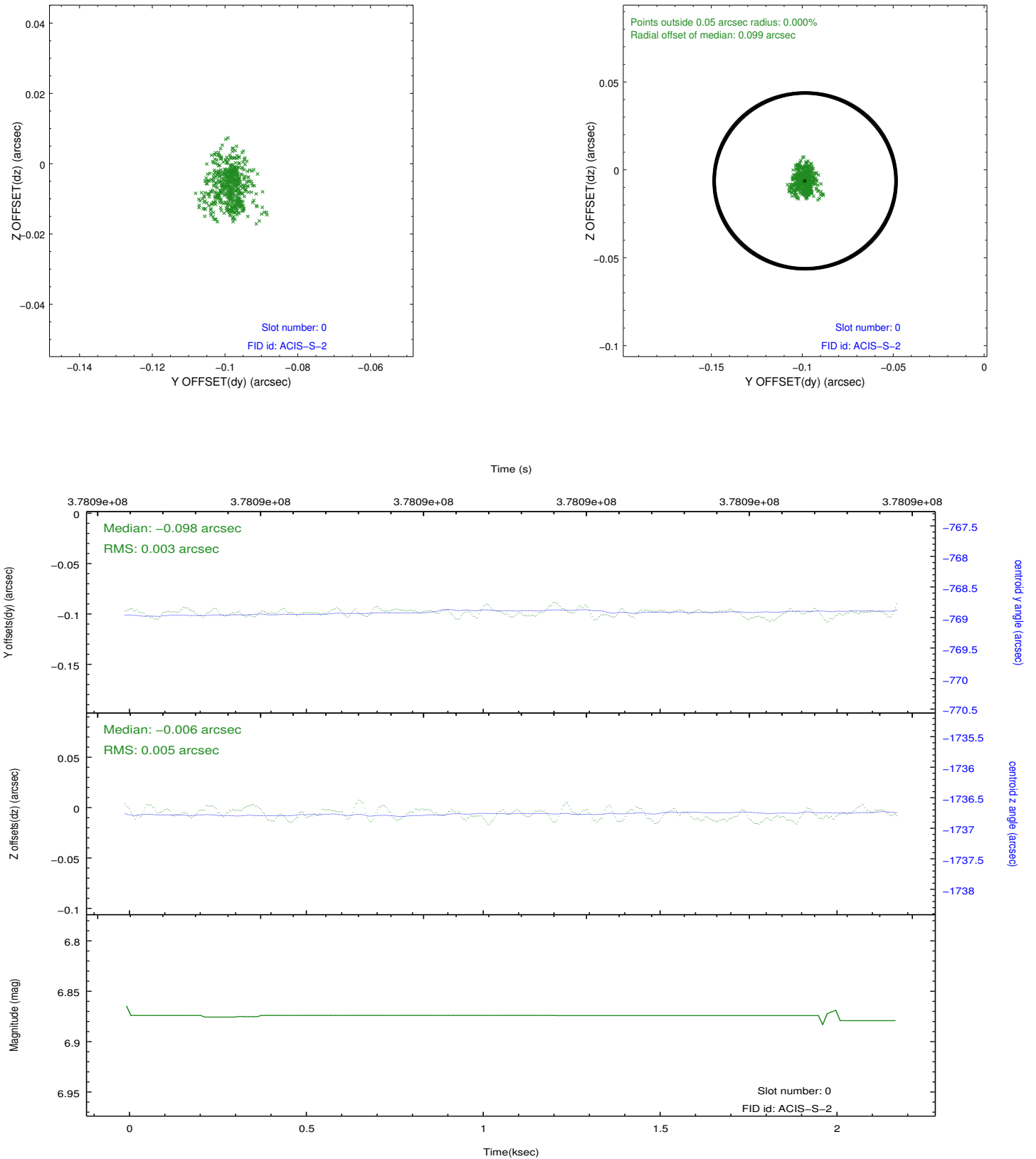


2.4.5 Slot 7

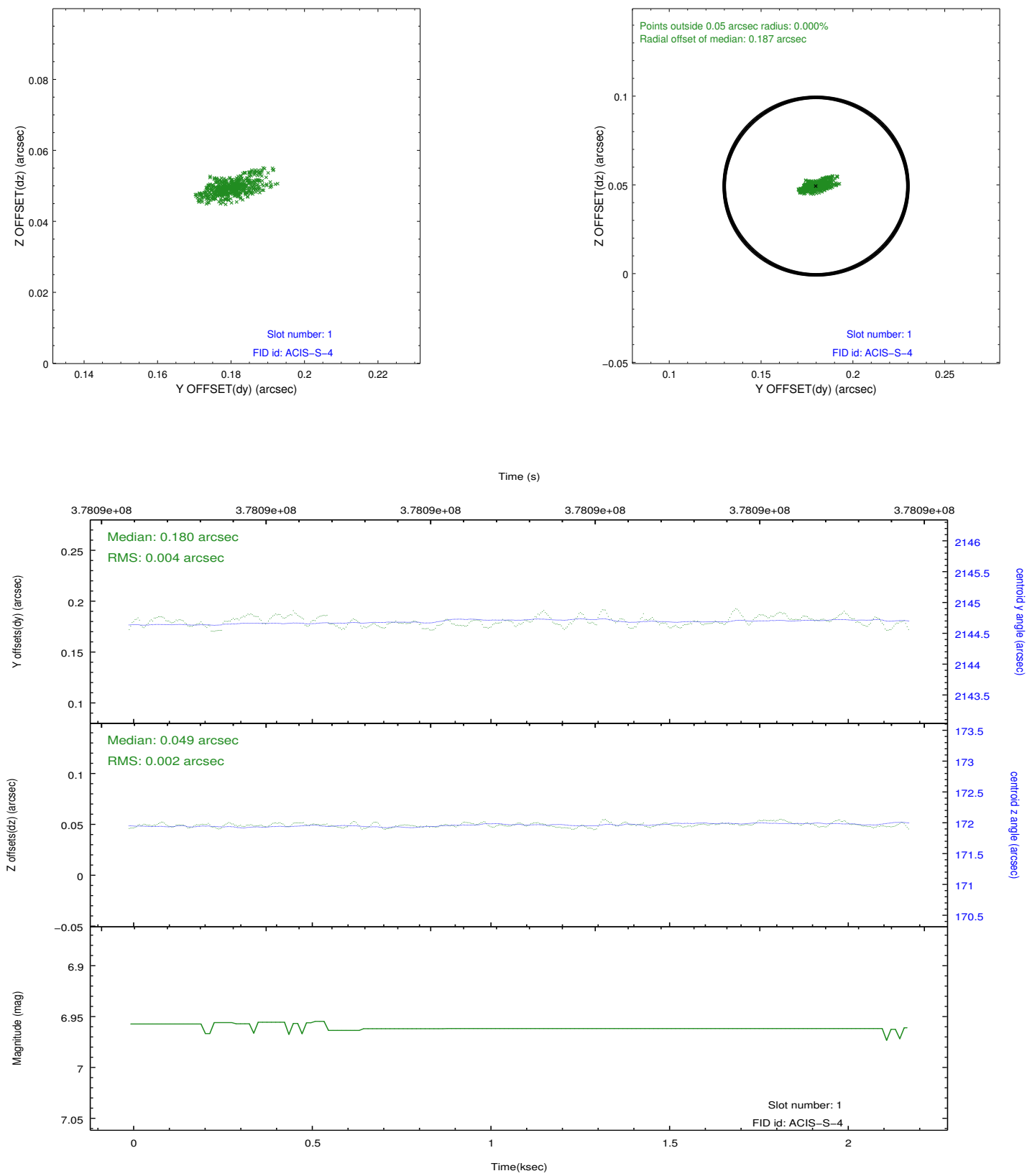


2.5 FID Slots

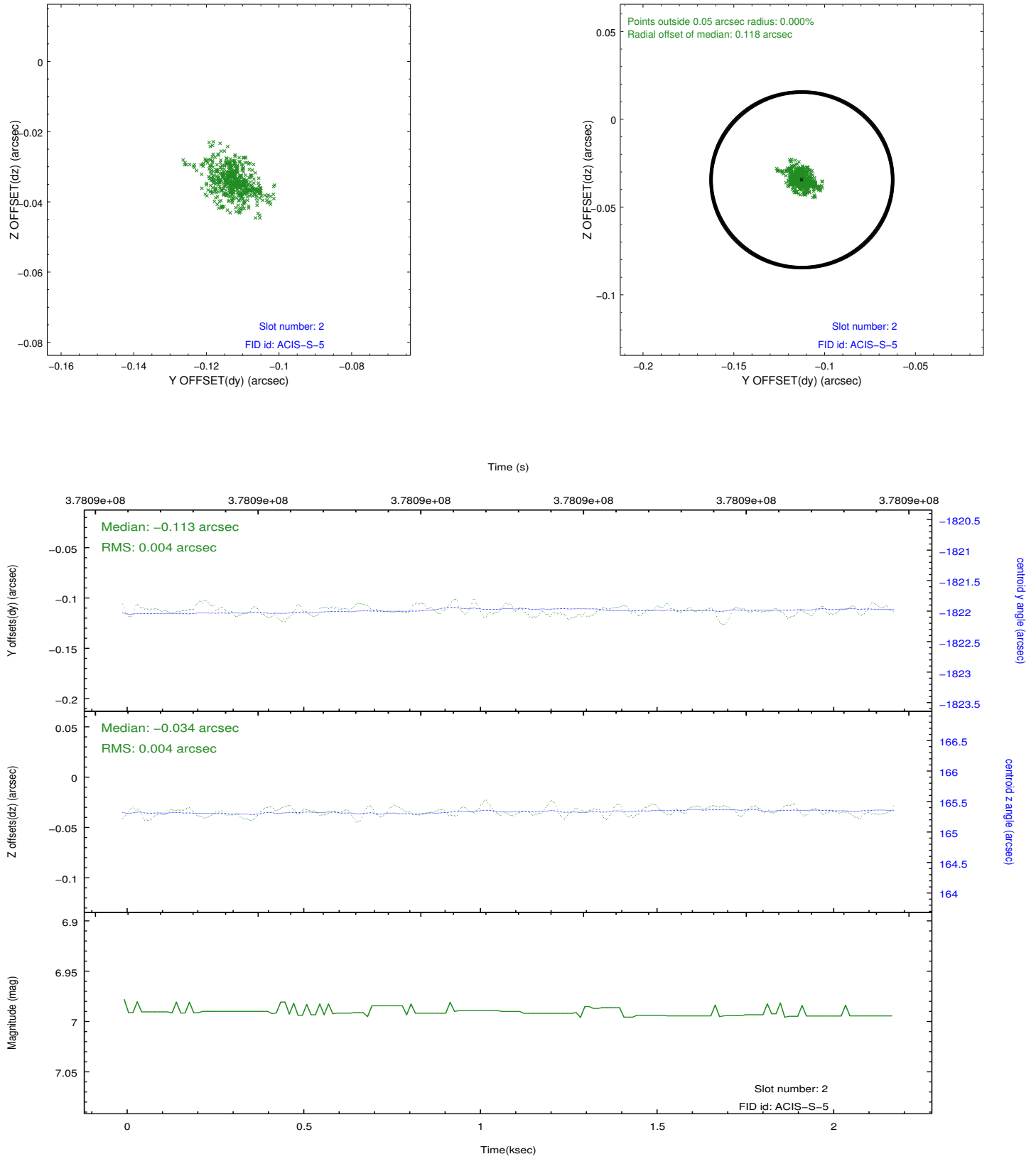
2.5.1 Slot 0



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)	2012.06.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.1847998697758

A.2 Comments