

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11452 - L2 Version 2
Chandra X-Ray Center

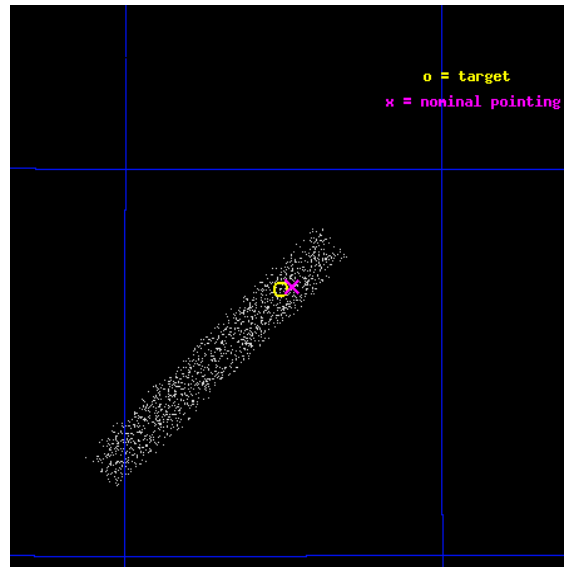
L2 Processing Date : Jun 19 2012

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

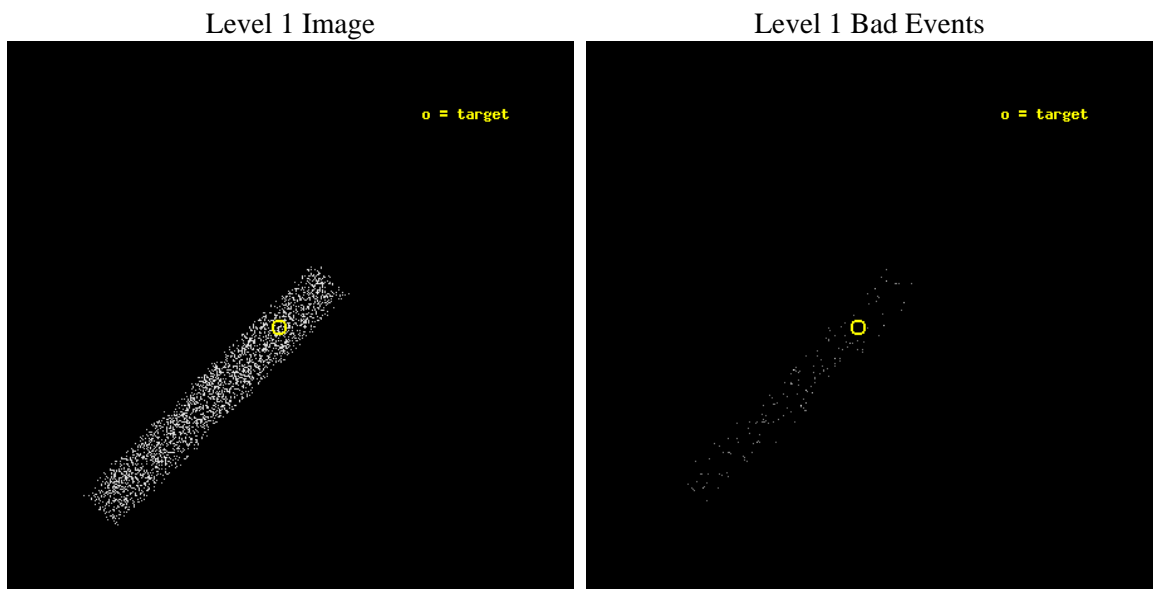
seq_num	702038	Sequence number
obs_id	11452	Observation id
title	X-ray Signatures of Accretion in AGNs with Intermediate-mass Black Holes	Proposal title
observer	Dr. Luis Ho	Principal investigator
object	SDSS J095330.53+562653.4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	148.377083	Observer's specified target RA [deg]
dec_targ	56.448167	Observer's specified target Dec [deg]
ra_nom	148.36856628537	Nominal RA [deg]
dec_nom	56.449208400028	Nominal Dec [deg]
roll_nom	135.16458902055	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2170.3998706341	Sum of GTIs [s]
livetime	1968.4381195666	Livetime [s]
ontime7	2170.3998706341	Sum of GTIs [s]
l2events	1517	Number of level 2 events



2 OBI

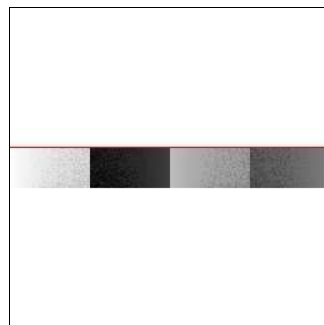
2.1 OBI

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	2170.3998706341	Sum of GTIs [s]
caldsver	4.4.10	 	ontime7	2170.3998706341	Sum of GTIs [s]
date	2012-06-19T21:45:30	Date and time of file creation	l1events	3837	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

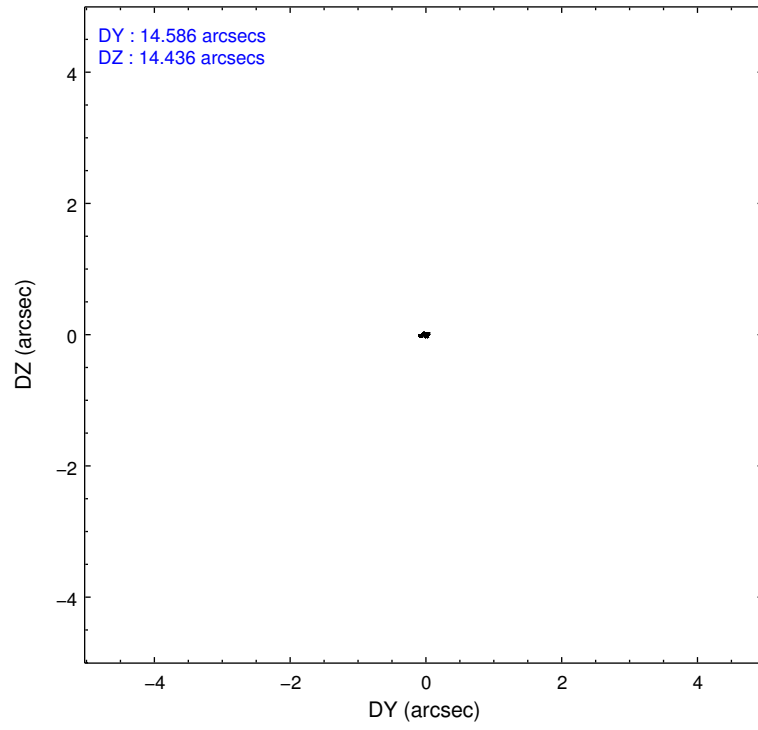
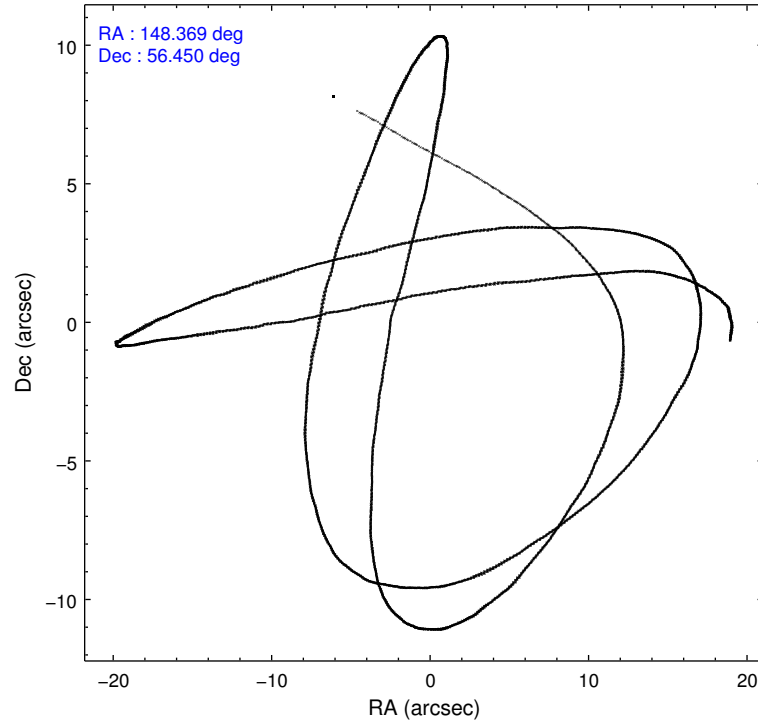
	ccd 7
level 1 events	3837
rejected events	2248
rejected %	58%

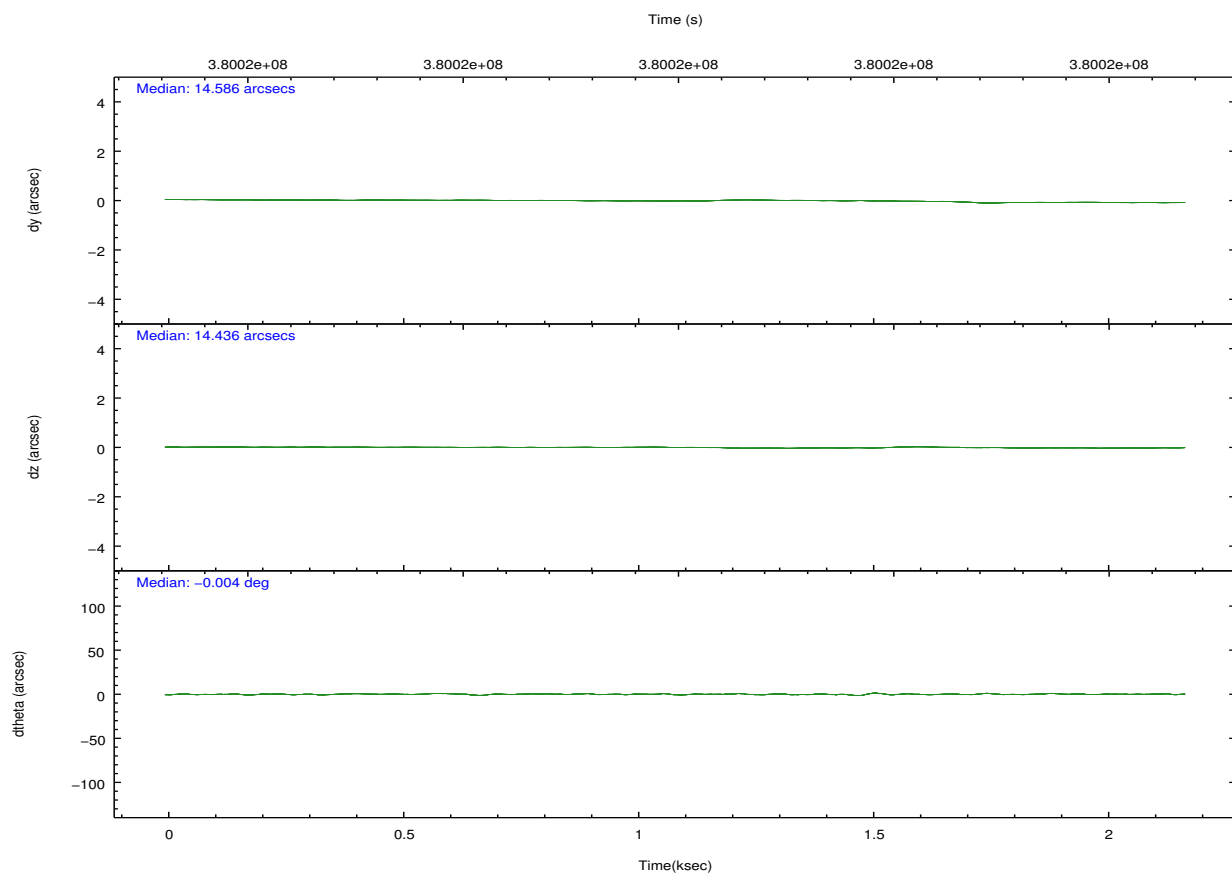
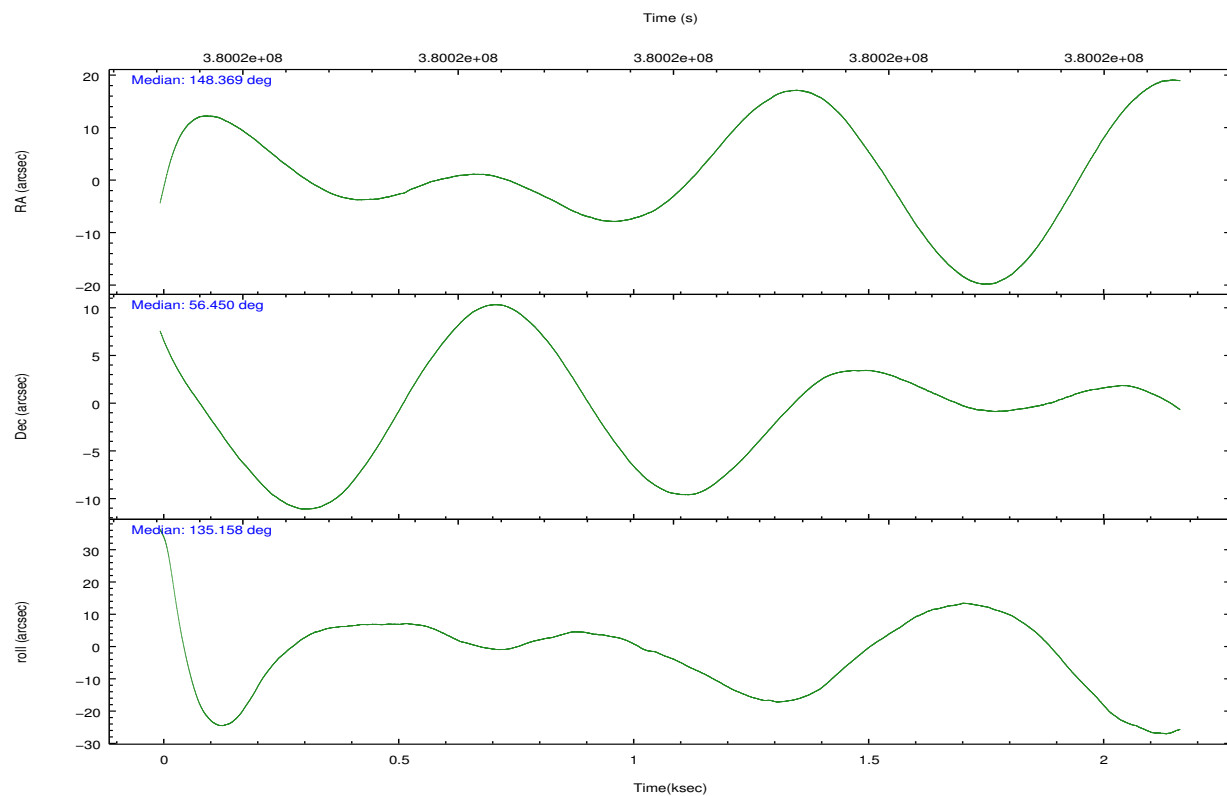
	ccd 7
grade 0 events	199
	5%
grade 1 events	9
	0%
grade 2 events	362
	9%
grade 3 events	308
	8%
grade 4 events	243
	6%
grade 5 events	395
	10%
grade 6 events	836
	21%
grade 7 events	1485
	38%

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	148.416527	148.3685662853719	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	56.442625	56.44920840002831	Subarray start row	449	449
[deg] Pointing Roll	134.967668	135.164589020549	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)	380020067.184000	380019164.15385			
Observation start date	2010-01-16T09:06:41	2010-01-16T08:52:44			
[s] Observation end time (MET)	380022067.184000	380023025.32905			
Observation end date	2010-01-16T09:40:01	2010-01-16T09:57:05			
Read mode	TIMED	TIMED			

2.3 Aspect



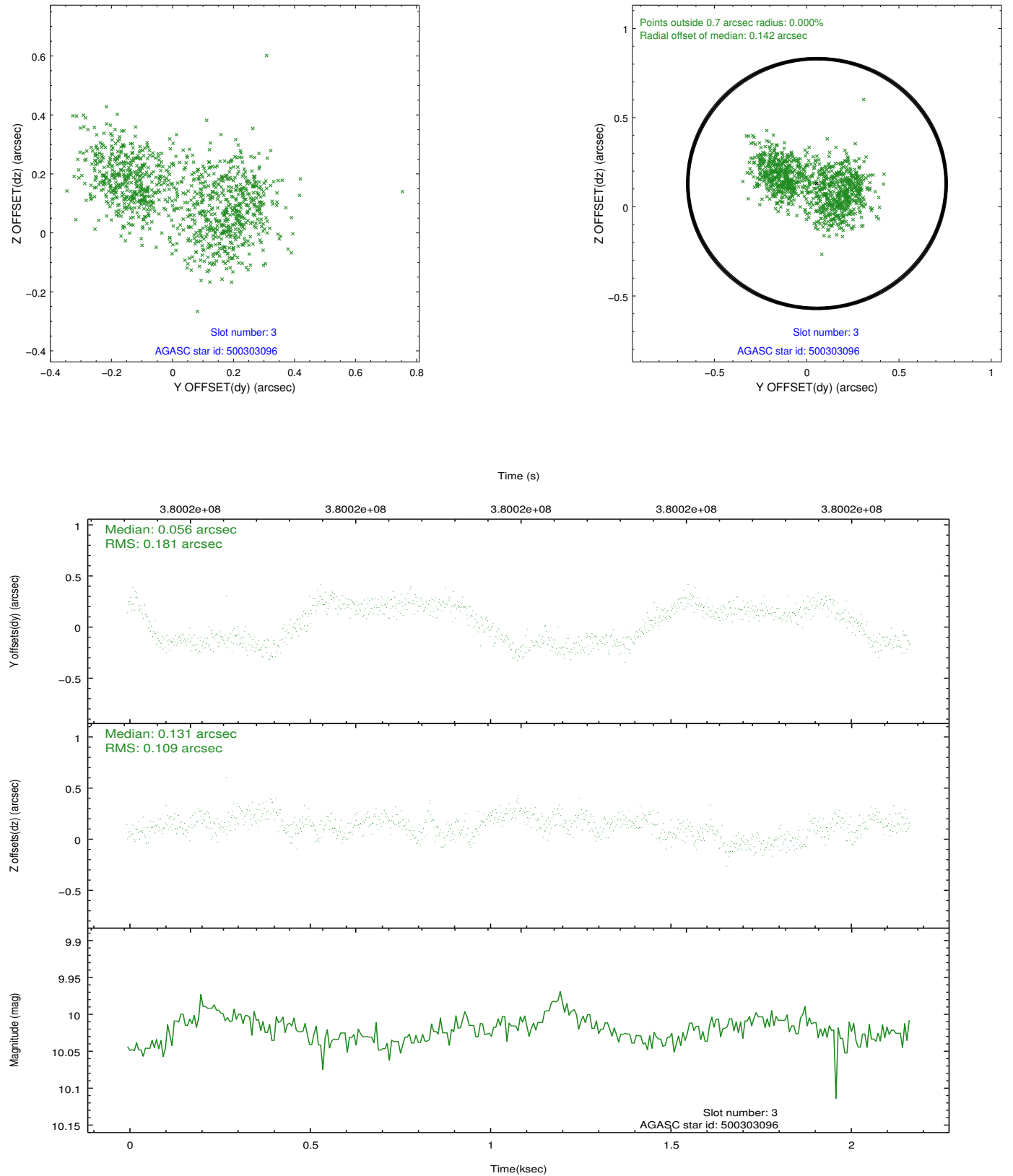


Slot Statistics

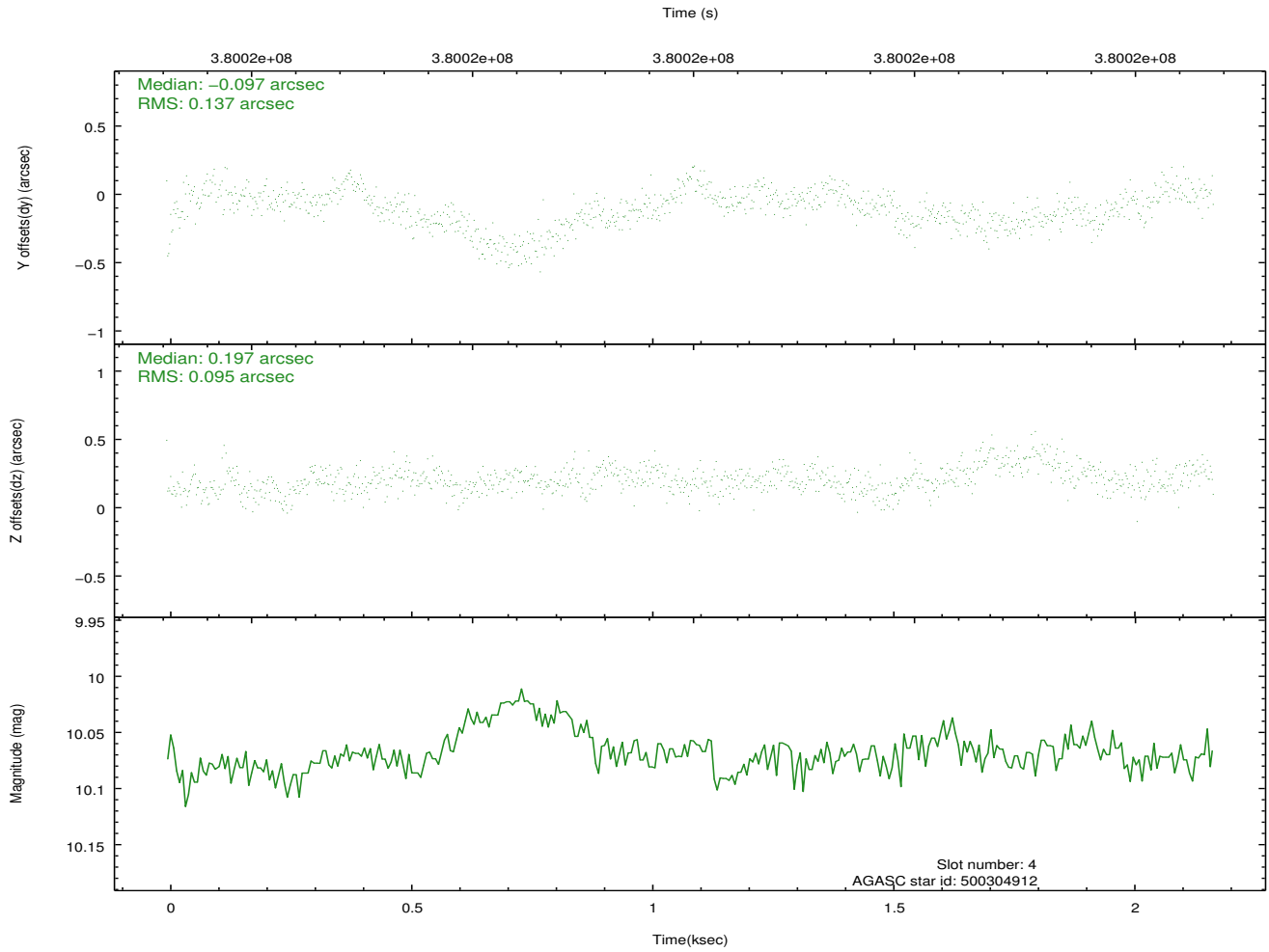
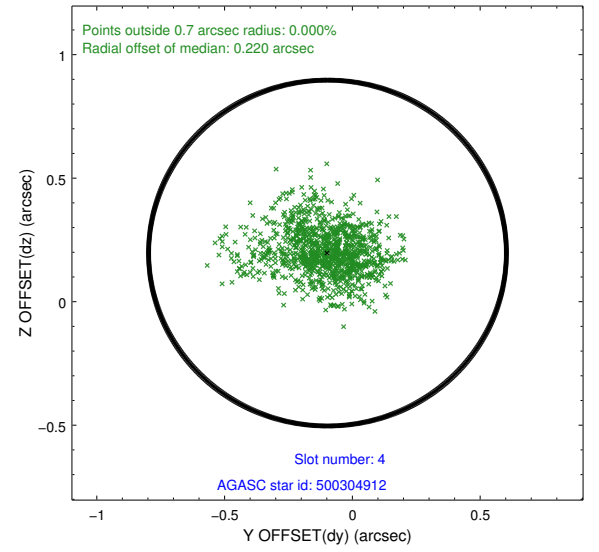
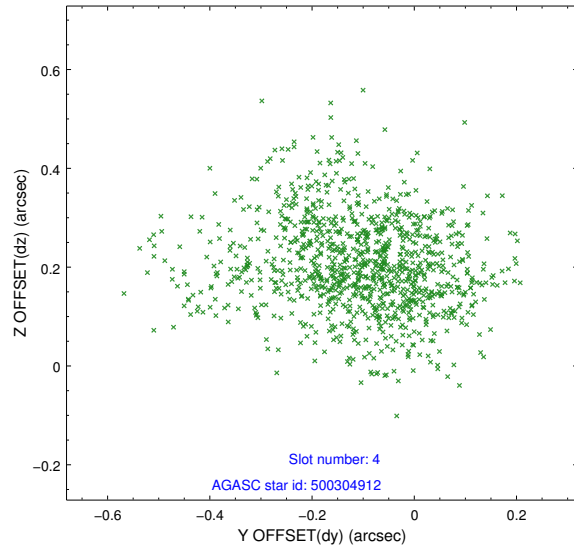
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.95	530	-0.087	-0.051	0.008	0.012	0.000000	0.000000	-767.61	-1735.85
1	FID	ACIS-S-4	7.03	530	0.225	0.056	0.006	0.010	0.000000	0.000000	2144.59	169.64
2	FID	ACIS-S-5	7.06	530	-0.169	0.004	0.007	0.011	0.000000	0.000000	-1816.69	166.65
3	GUIDE	500303096	10.02	1059	0.056	0.131	0.228	0.331	149.181458	56.623634	-603.10	-1537.93
4	GUIDE	500304912	10.07	1058	-0.097	0.197	0.175	0.297	149.840438	56.402305	-2086.67	-1925.67
5	GUIDE	500308824	8.92	1060	0.159	0.054	0.084	0.133	148.561668	56.446939	-194.38	-216.99
6	GUIDE	500313088	8.60	1060	-0.041	-0.191	0.088	0.148	148.648854	56.088054	-1232.34	571.32
7	GUIDE	500314248	7.89	1059	-0.035	-0.186	0.075	0.117	148.413100	55.769248	-1711.43	1718.92

2.4 Star Slots

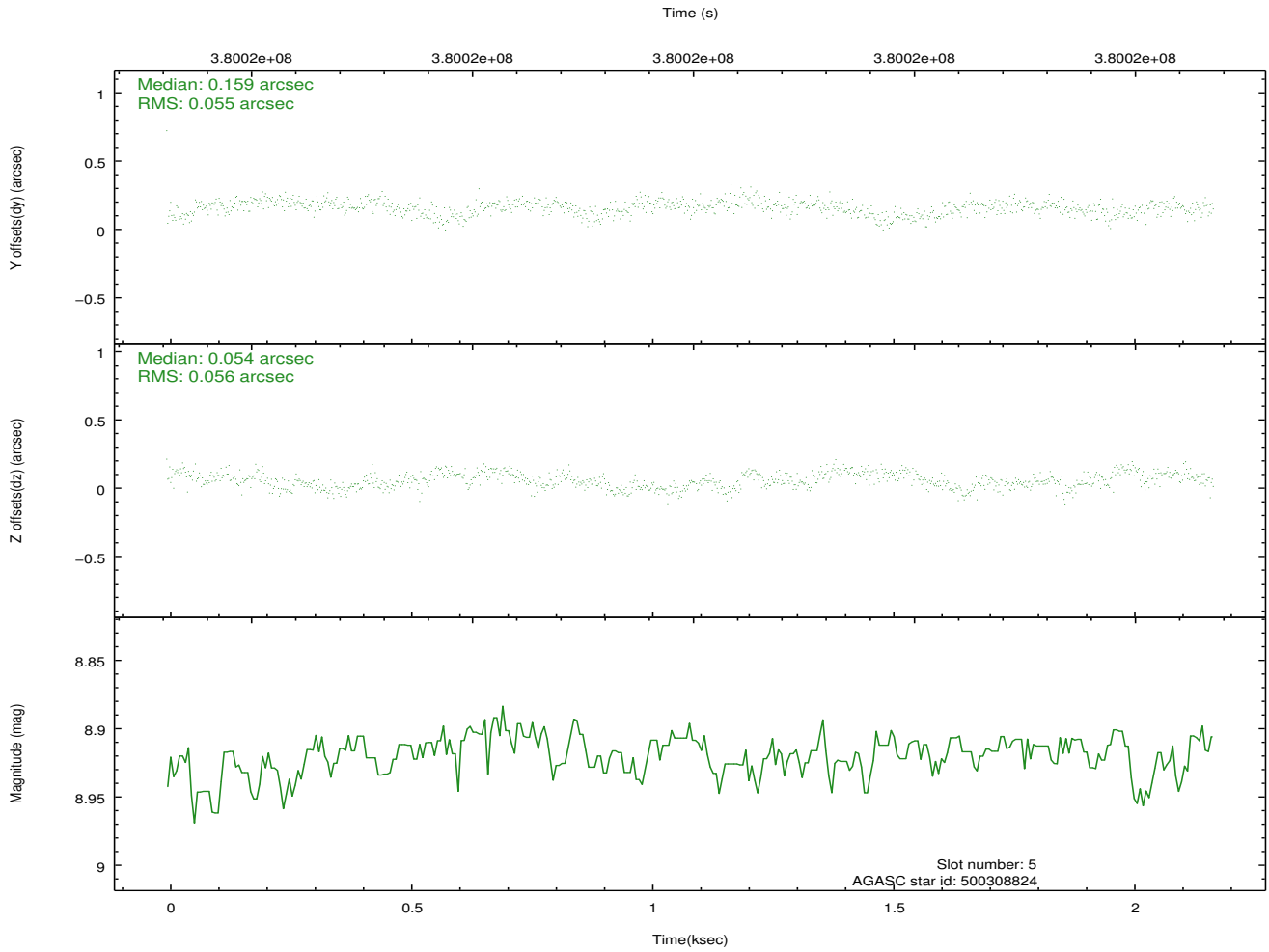
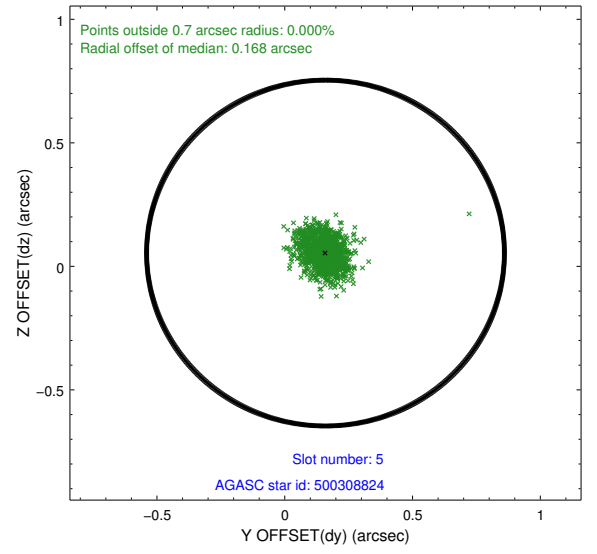
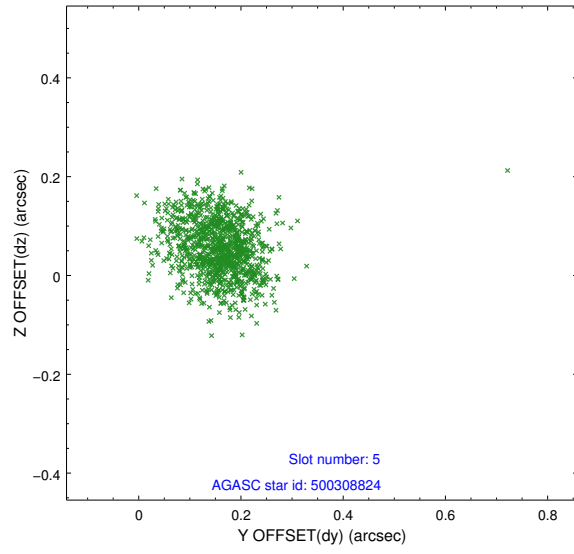
2.4.1 Slot 3



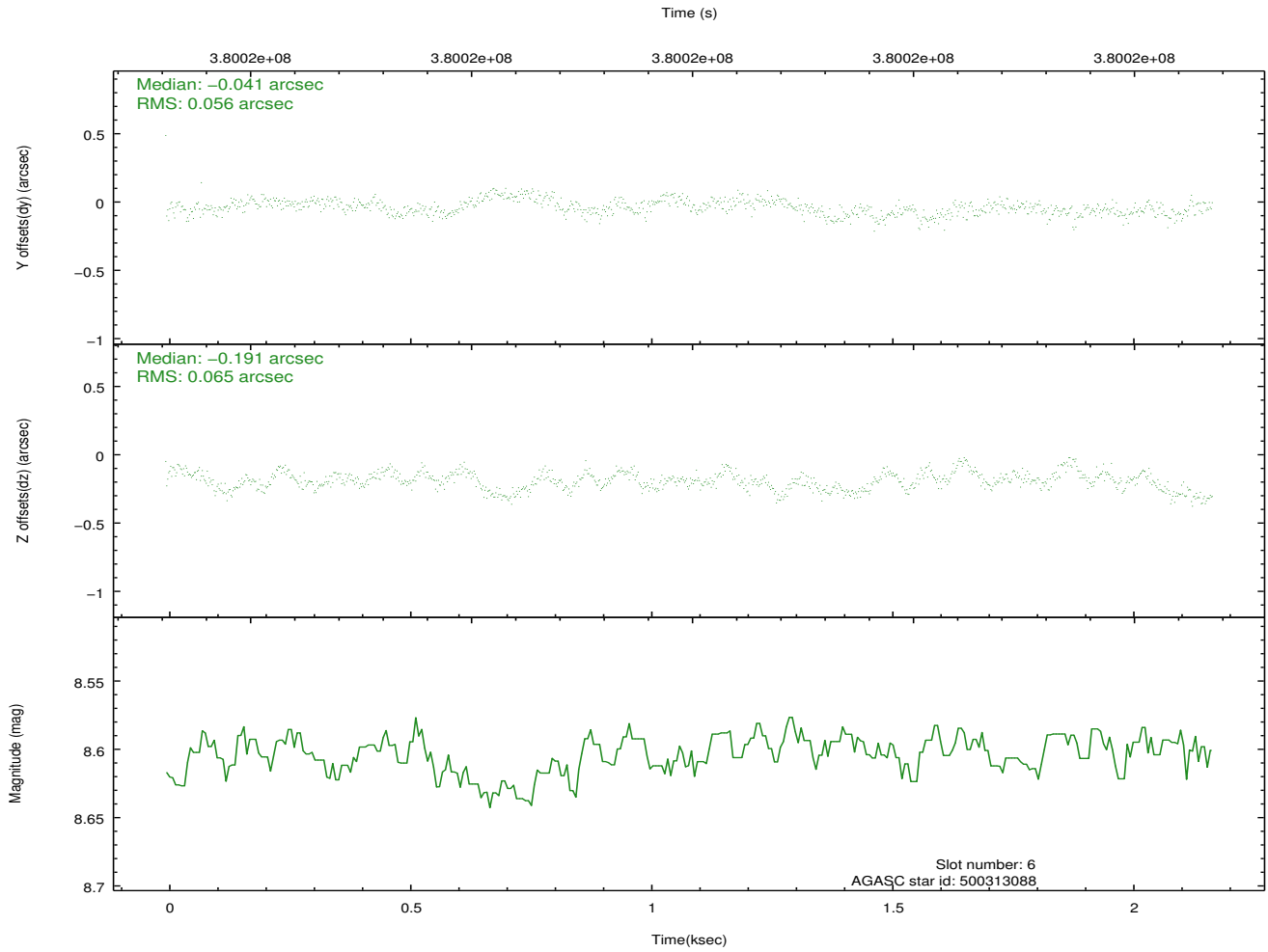
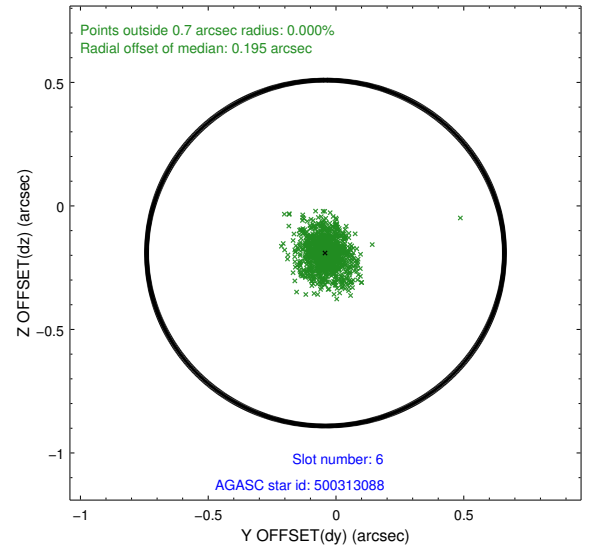
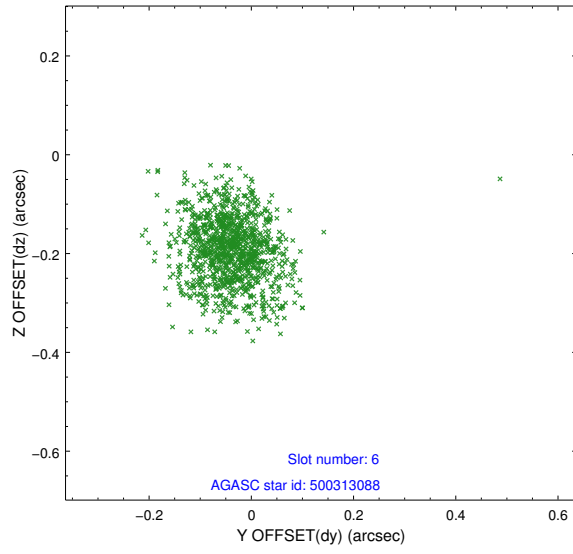
2.4.2 Slot 4



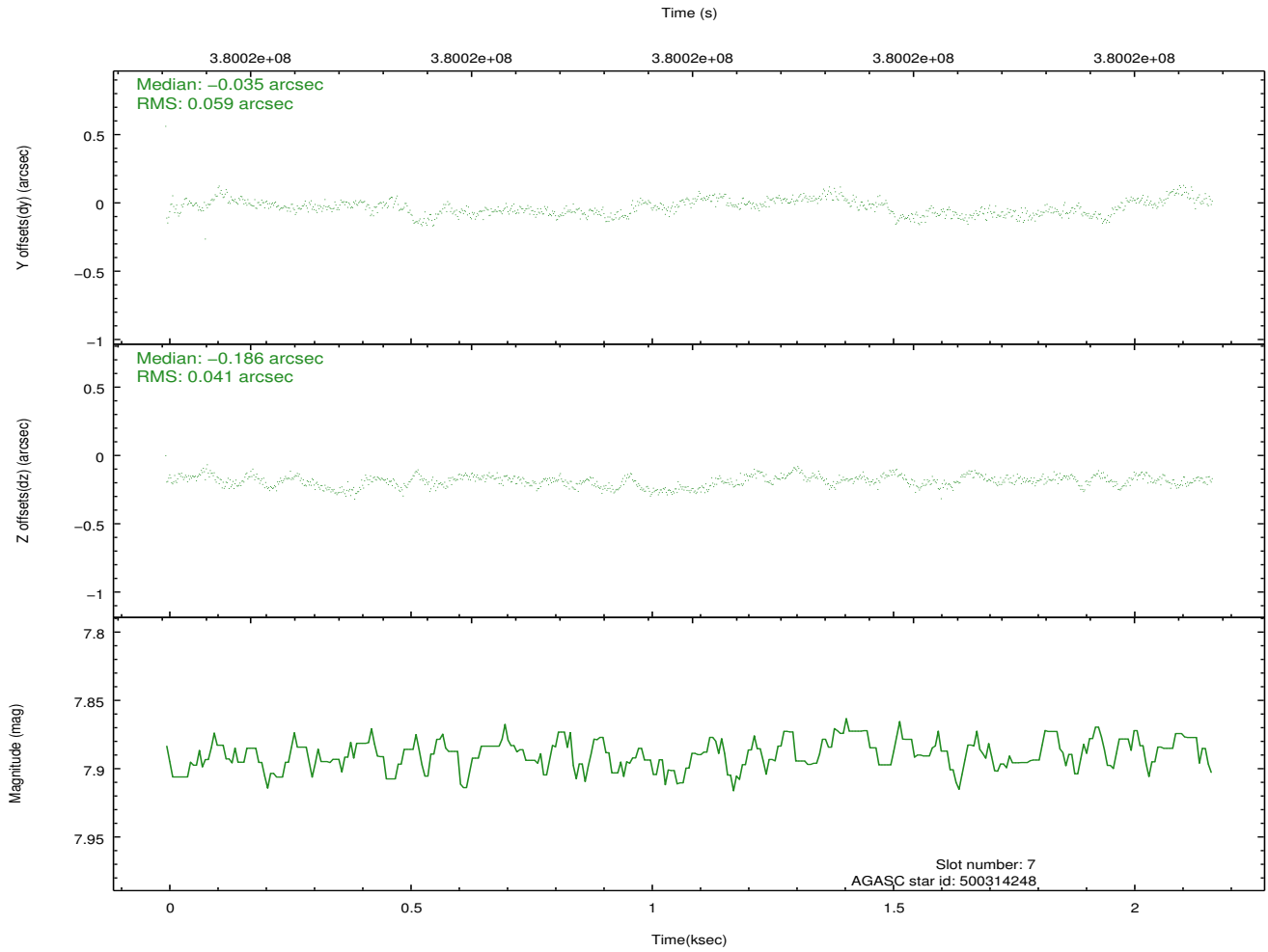
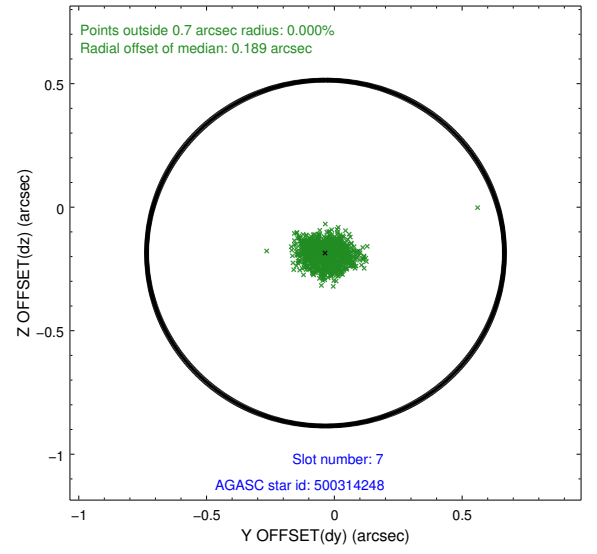
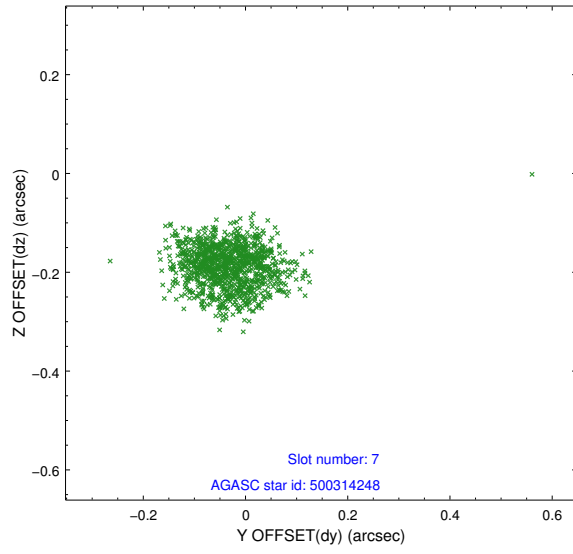
2.4.3 Slot 5



2.4.4 Slot 6

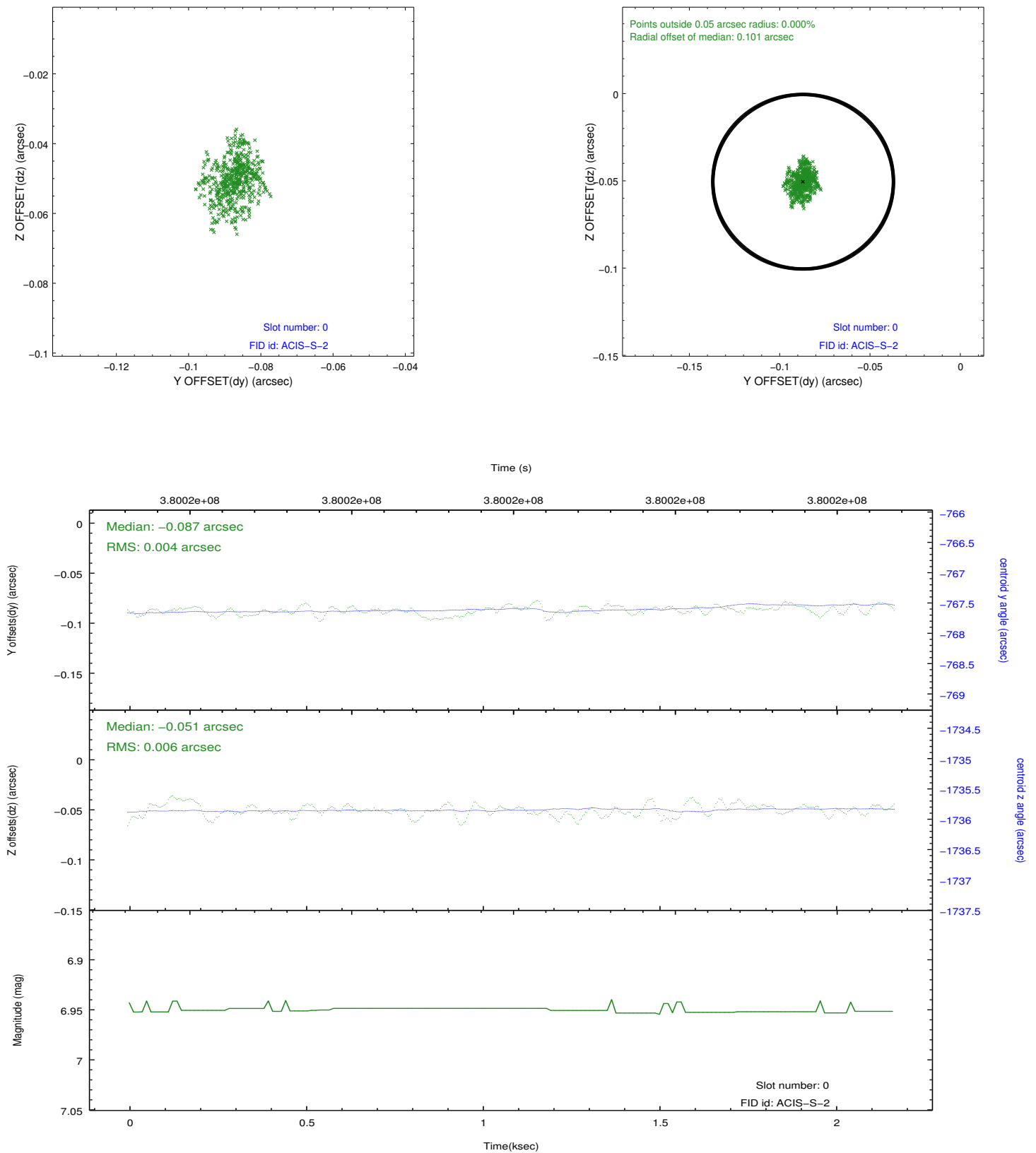


2.4.5 Slot 7

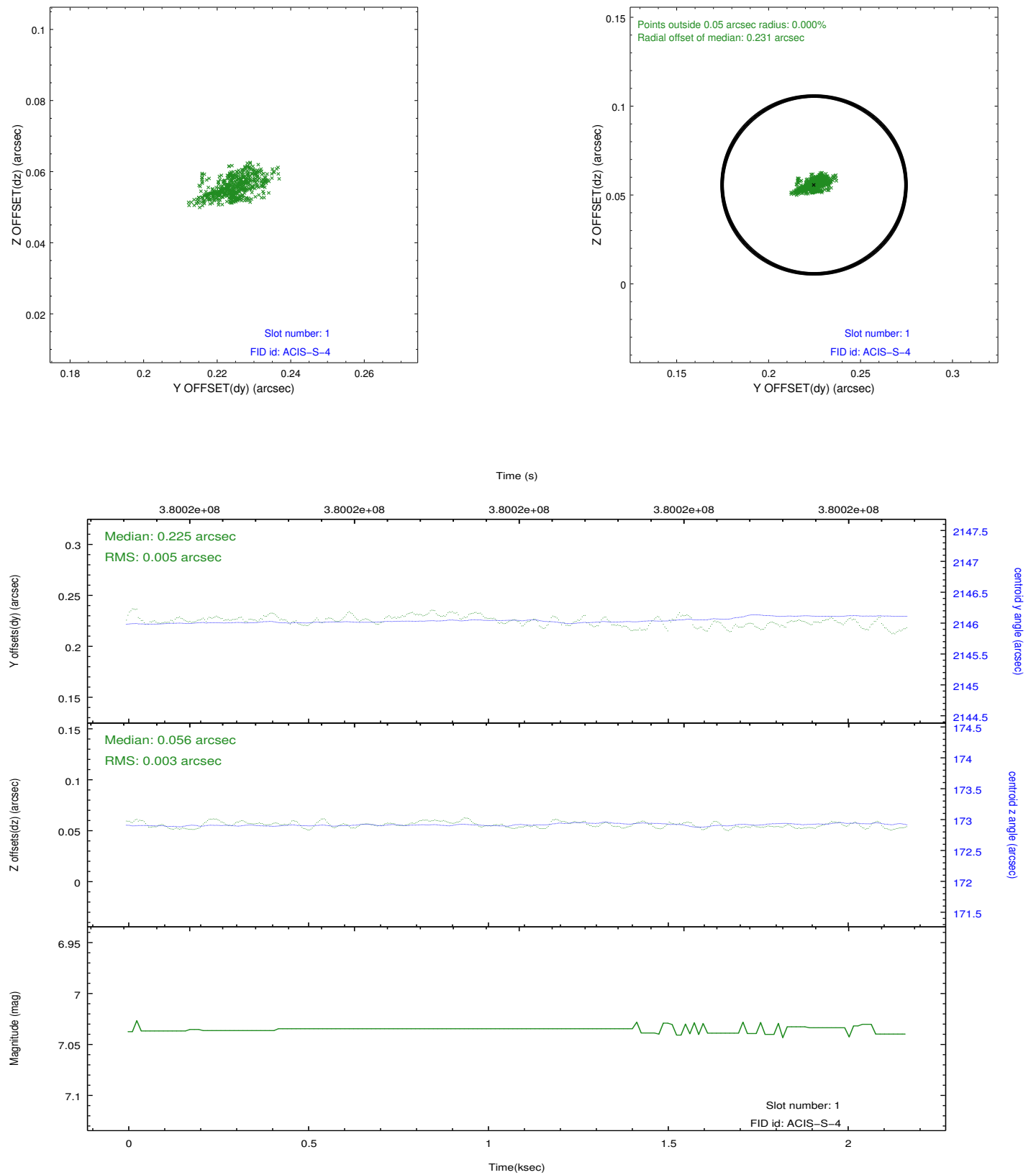


2.5 FID Slots

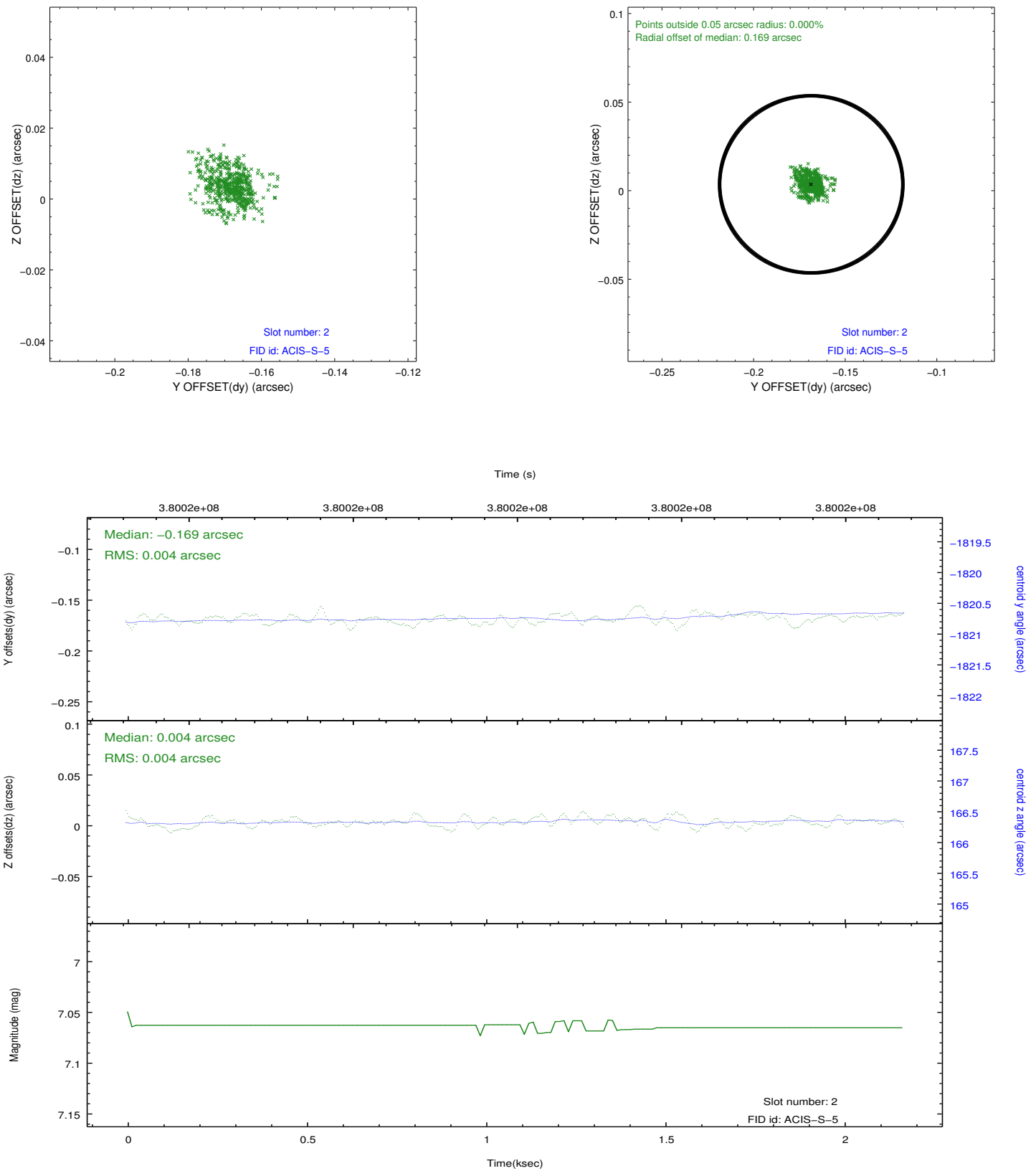
2.5.1 Slot 0



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)	2012.06.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.1703998706341

A.2 Comments