

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7394 - L2 Version 2
Chandra X-Ray Center

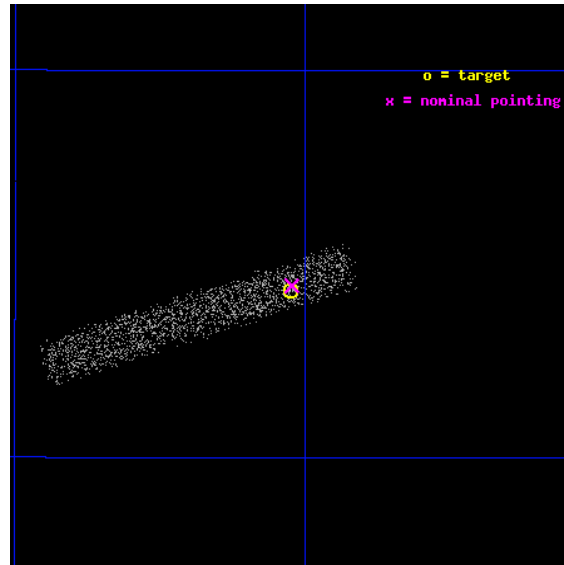
L2 Processing Date : Apr 9 2012

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

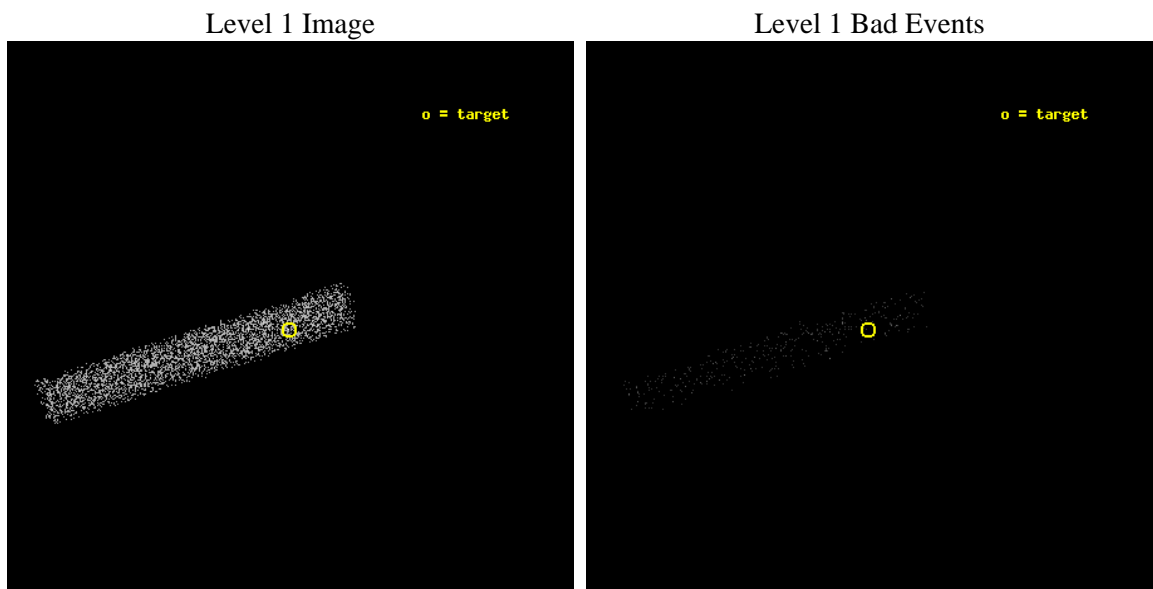
seq_num	400567	Sequence number
obs_id	7394	Observation id
title	Chandra follow-up of weak persistent sources	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	IGR J00291+5934	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	7.2625	Observer's specified target RA [deg]
dec_targ	59.571944	Observer's specified target Dec [deg]
ra_nom	7.2613666499413	Nominal RA [deg]
dec_nom	59.574006036561	Nominal Dec [deg]
roll_nom	162.41902279204	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3180.7998104095	Sum of GTIs [s]
livetime	2884.8175316611	Livetime [s]
ontime7	3180.7998104095	Sum of GTIs [s]
l2events	2312	Number of level 2 events



2 OBI

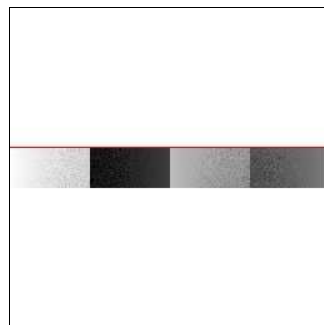
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	3180.7998104095	Sum of GTIs [s]
caldsver	4.4.9	 	ontime7	3180.7998104095	Sum of GTIs [s]
date	2012-04-09T15:13:16	Date and time of file creation	l1events	5632	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

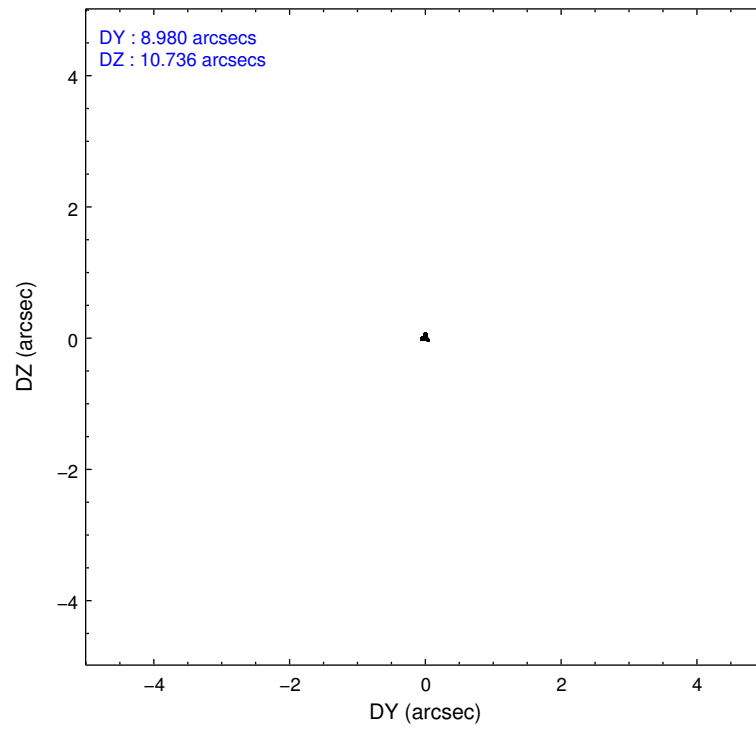
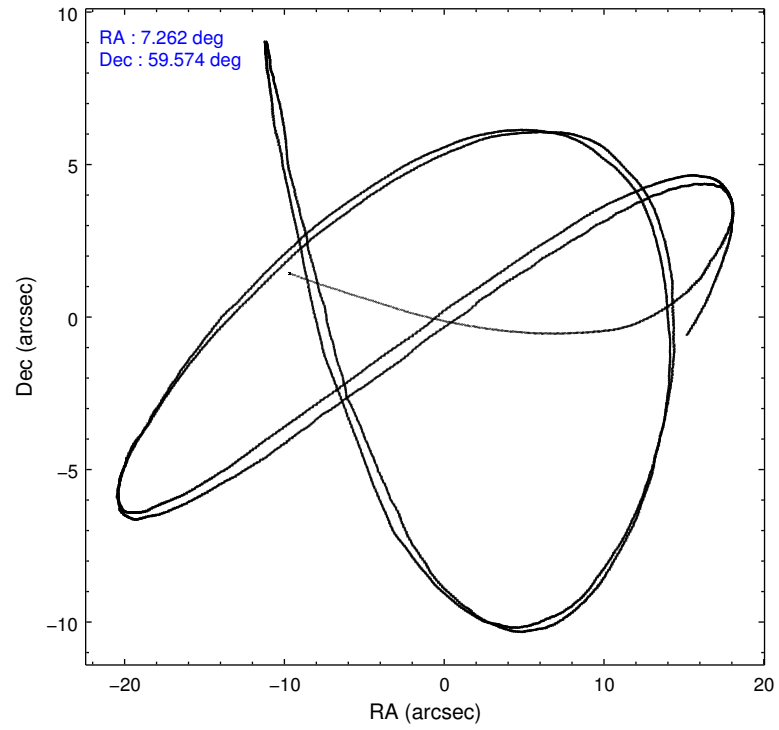
	ccd 7
level 1 events	5632
rejected events	3232
rejected %	57%

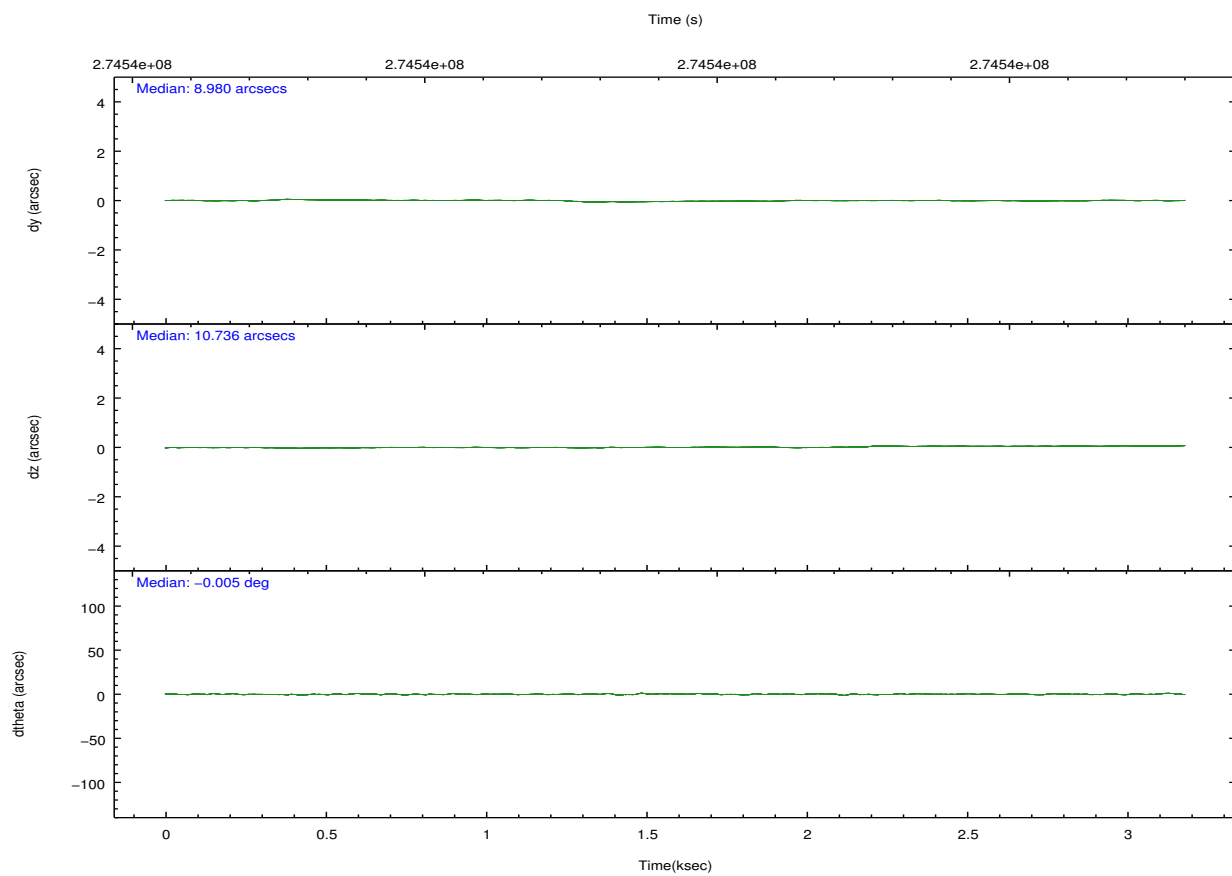
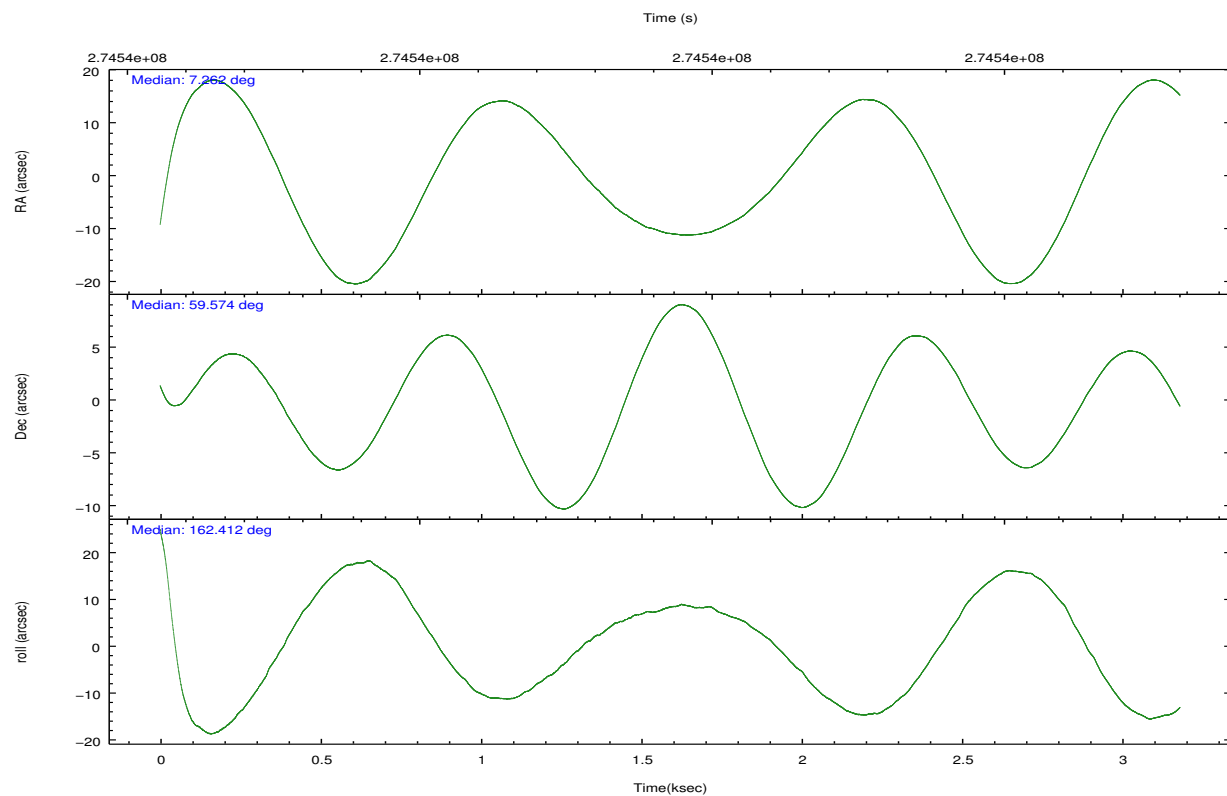
	ccd 7
grade 0 events	263
	4%
grade 1 events	6
	0%
grade 2 events	530
	9%
grade 3 events	360
	6%
grade 4 events	345
	6%
grade 5 events	527
	9%
grade 6 events	1184
	21%
grade 7 events	2417
	42%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	7.313508	7.261366649941326	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	59.580116	59.57400603656077	Subarray start row	449	449
[deg] Pointing Roll	162.217335	162.4190227920443	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	-190.145094680475			
[mm] SIM translation stage offset	0	0.01257209746719923			
[s] Observation start time (MET)	274542451.184000	274541629.0463			
Observation start date	2006-09-13T13:46:26	2006-09-13T13:33:49			
[s] Observation end time (MET)	274545451.184000	274546928.29655			
Observation end date	2006-09-13T14:36:26	2006-09-13T15:02:08			
Read mode	TIMED	TIMED			

2.3 Aspect



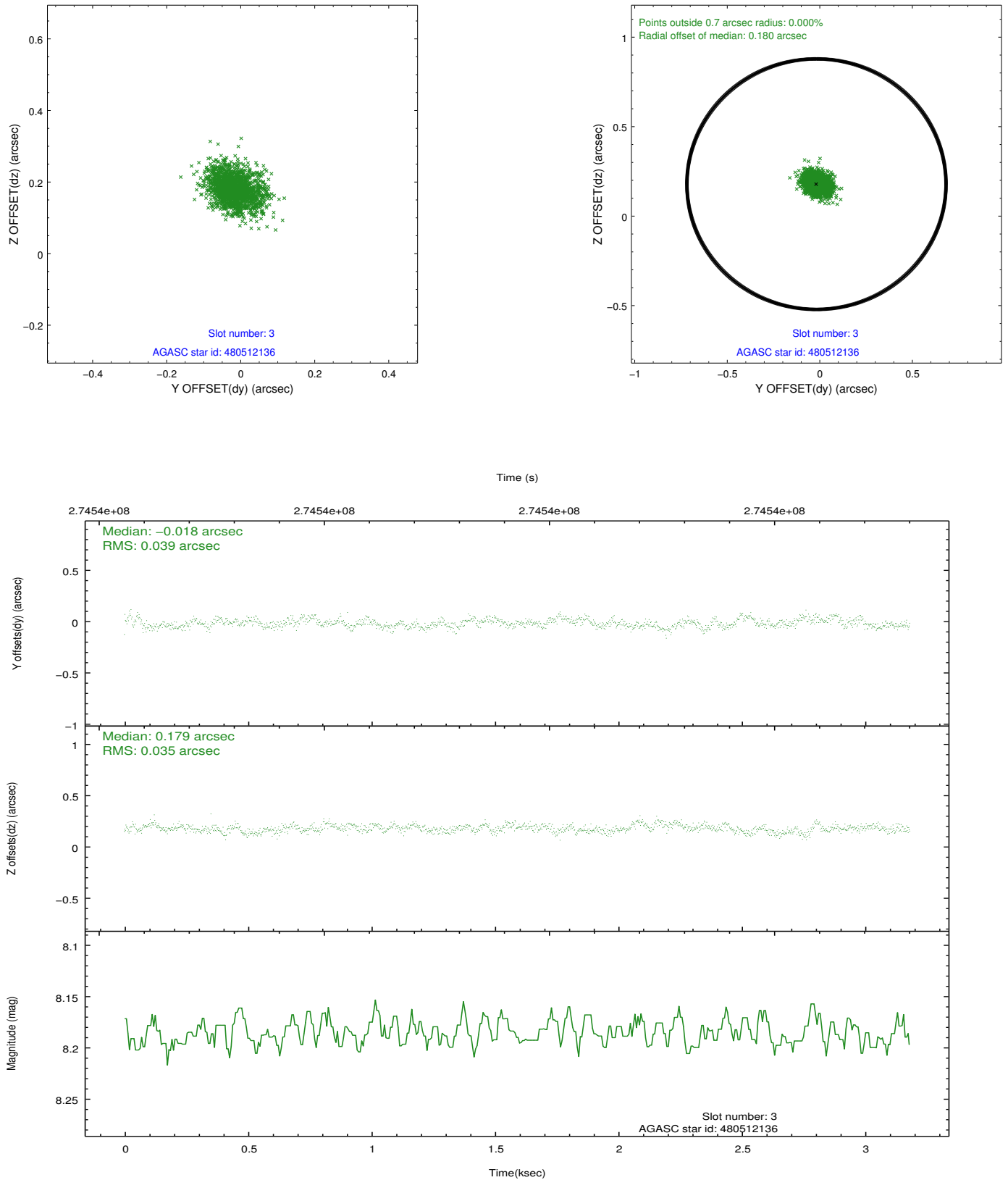


Slot Statistics

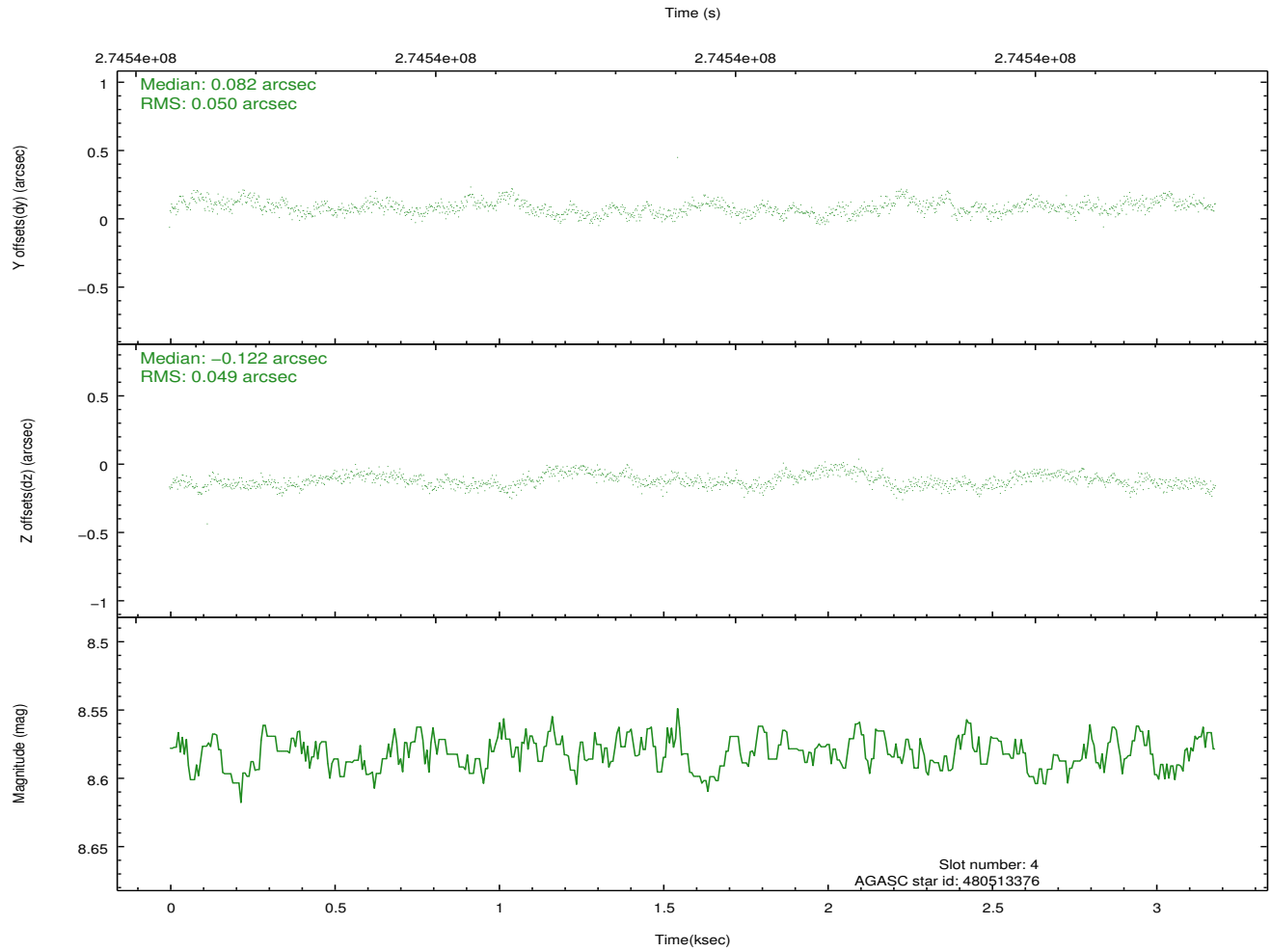
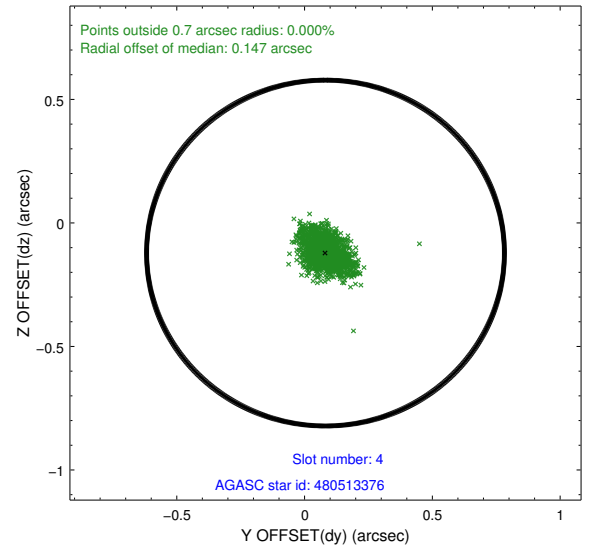
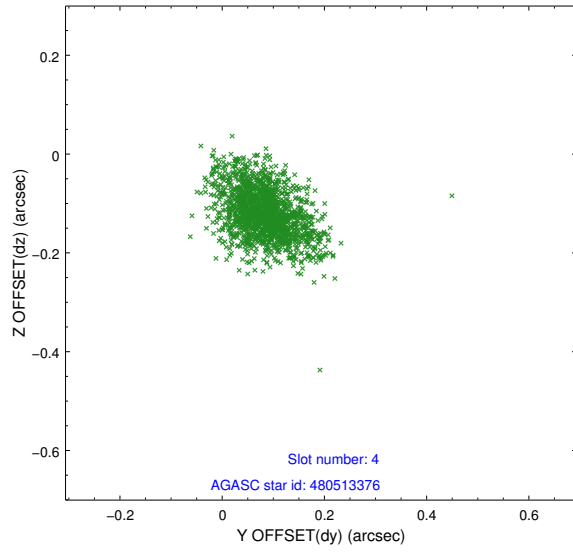
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	776	-0.051	-0.028	0.006	0.011	0.000000	0.000000	-761.79	-1731.96
1	FID	ACIS-S-4	7.22	776	0.172	0.032	0.006	0.012	0.000000	0.000000	2150.75	174.58
2	FID	ACIS-S-5	7.24	777	-0.152	0.005	0.006	0.011	0.000000	0.000000	-1812.21	170.41
3	GUIDE	480512136	8.19	1553	-0.018	0.179	0.055	0.090	7.475231	59.254866	-640.56	1024.59
4	GUIDE	480513376	8.58	1553	0.082	-0.122	0.072	0.123	7.508901	59.105688	-865.41	1516.74
5	GUIDE	480518776	8.12	1552	0.156	-0.060	0.059	0.090	8.537557	59.899306	-1746.31	-1786.79
6	GUIDE	526280320	8.99	1550	-0.163	0.012	0.064	0.103	6.438381	60.009492	1974.11	-1001.01
7	GUIDE	526276608	8.60	1552	-0.056	-0.010	0.063	0.103	7.524994	60.151139	269.13	-2073.63

2.4 Star Slots

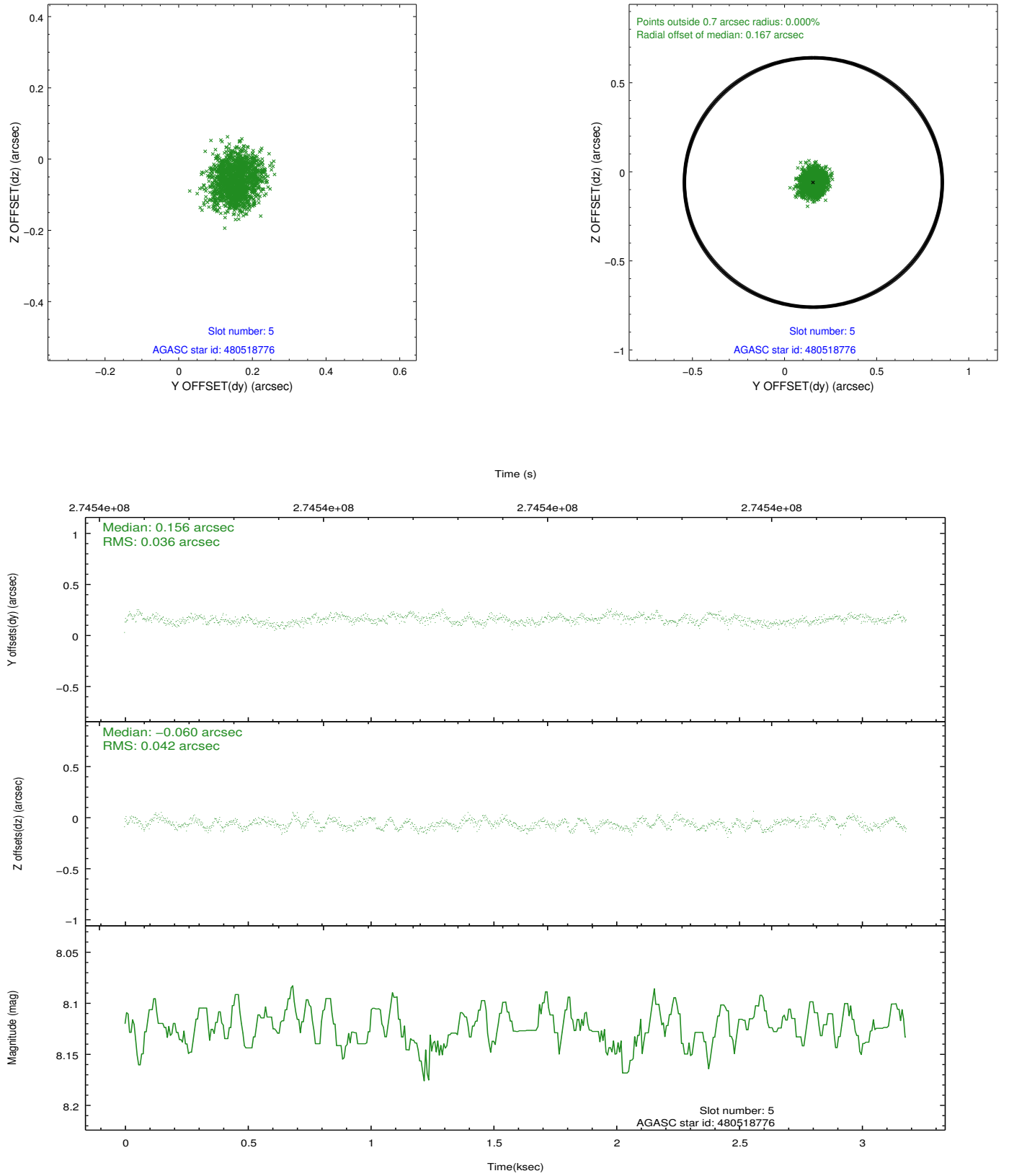
2.4.1 Slot 3



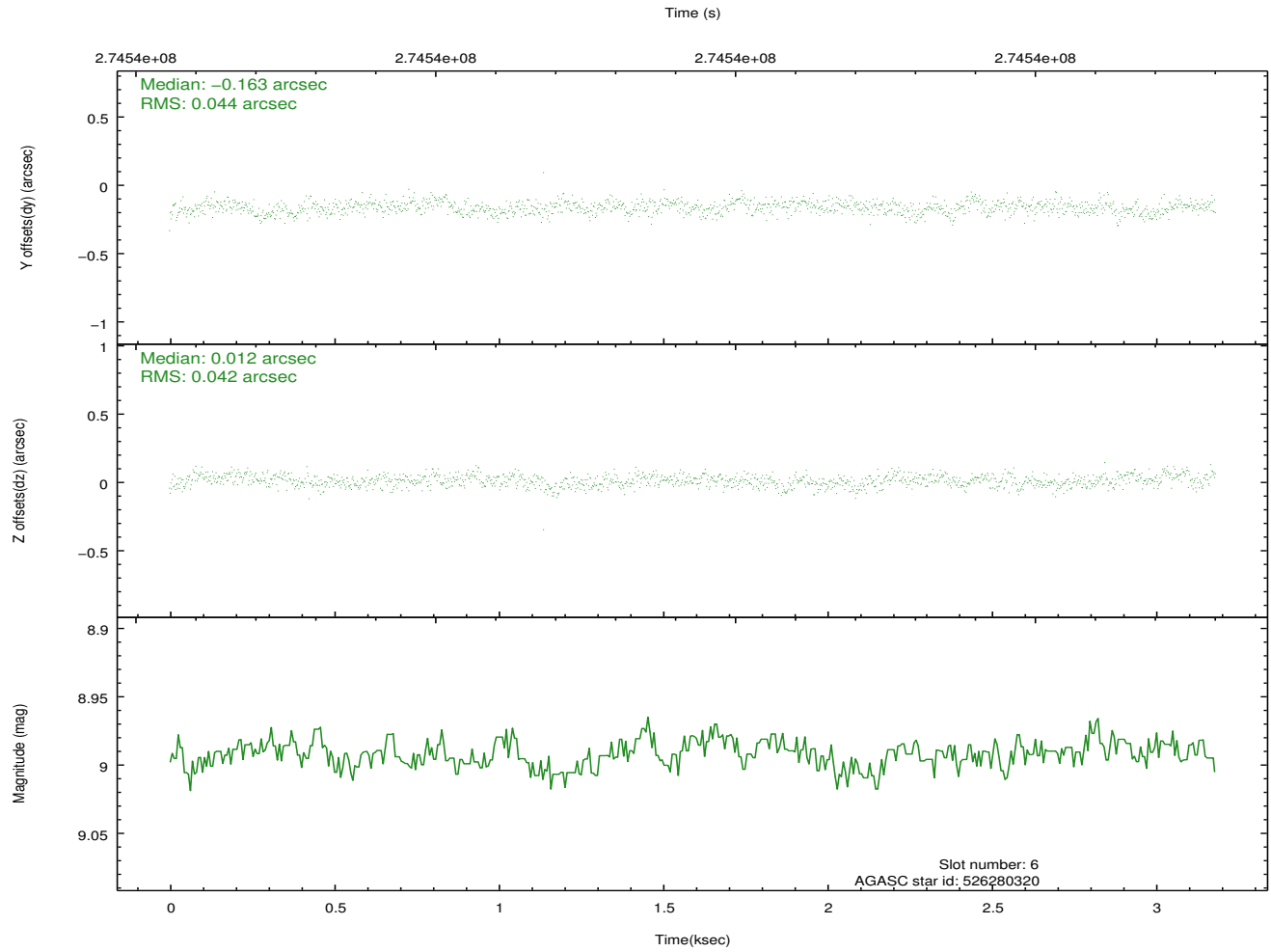
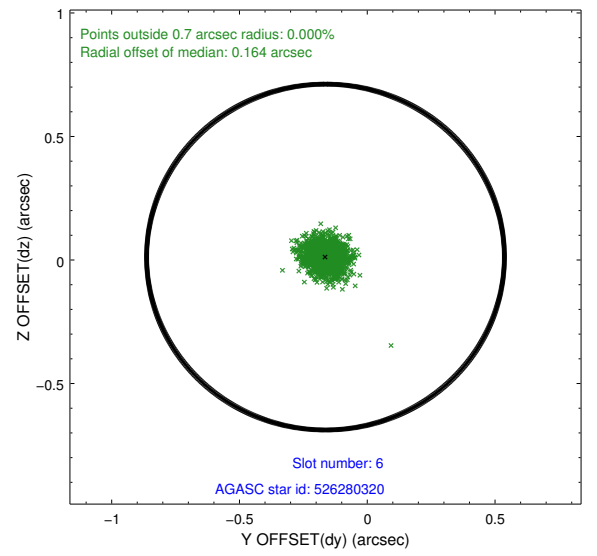
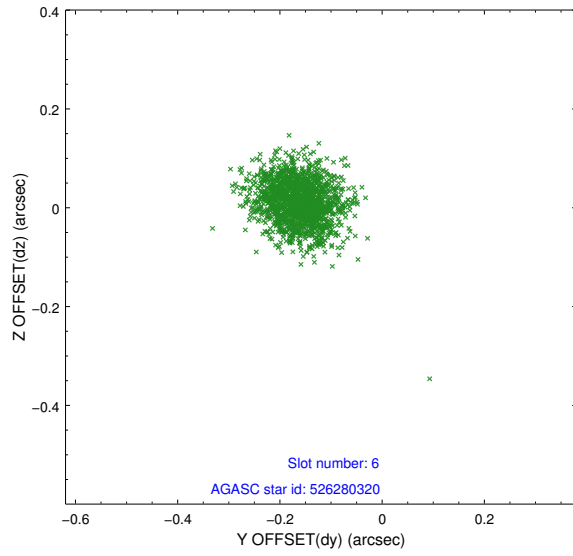
2.4.2 Slot 4



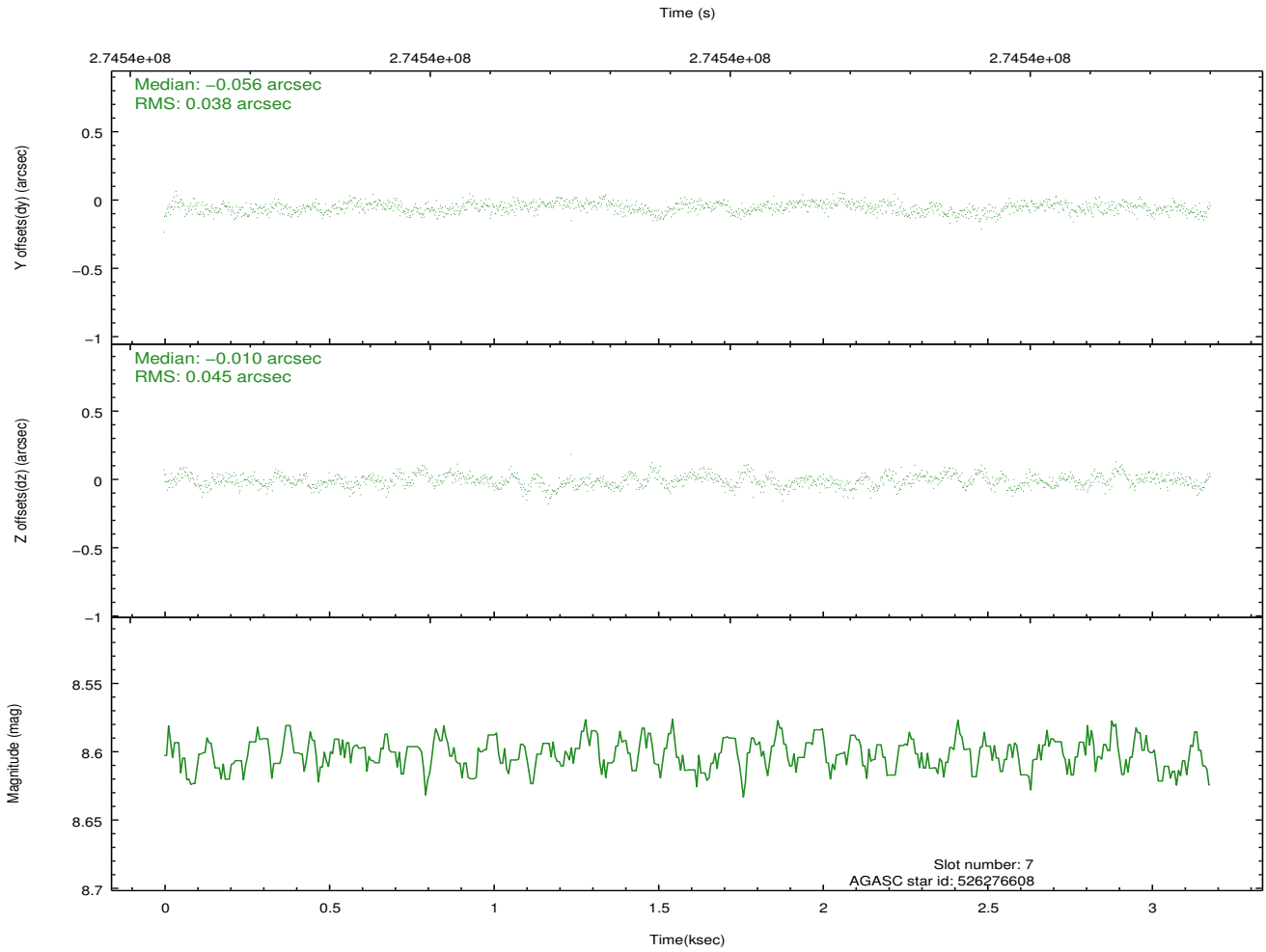
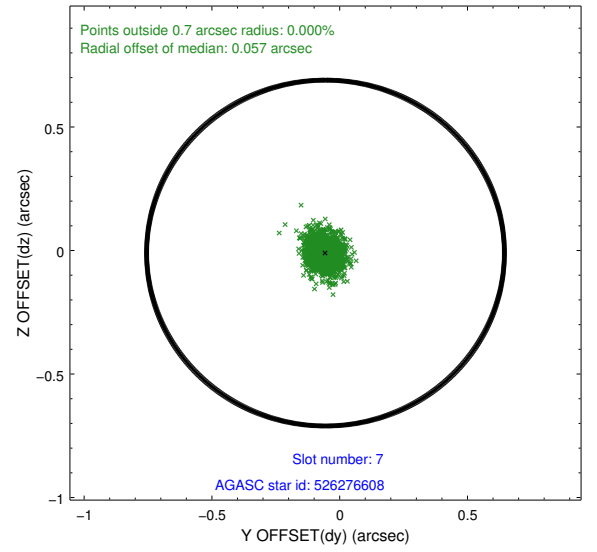
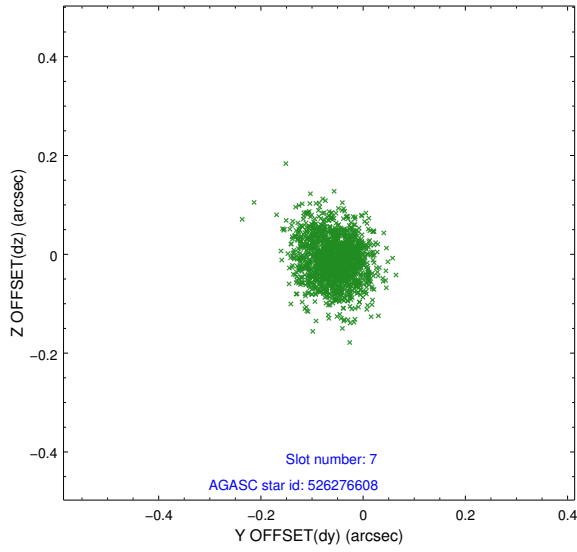
2.4.3 Slot 5



2.4.4 Slot 6

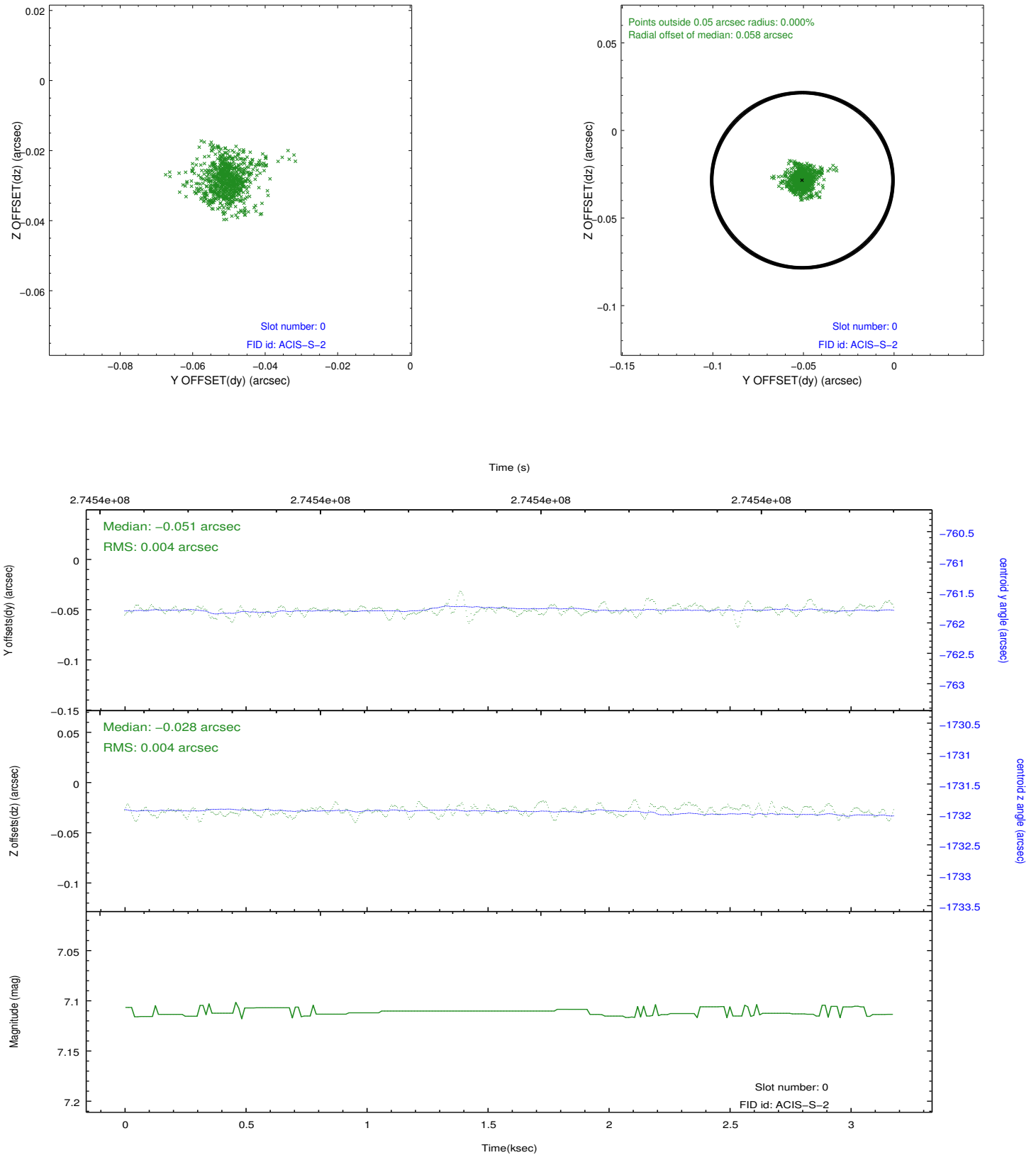


2.4.5 Slot 7

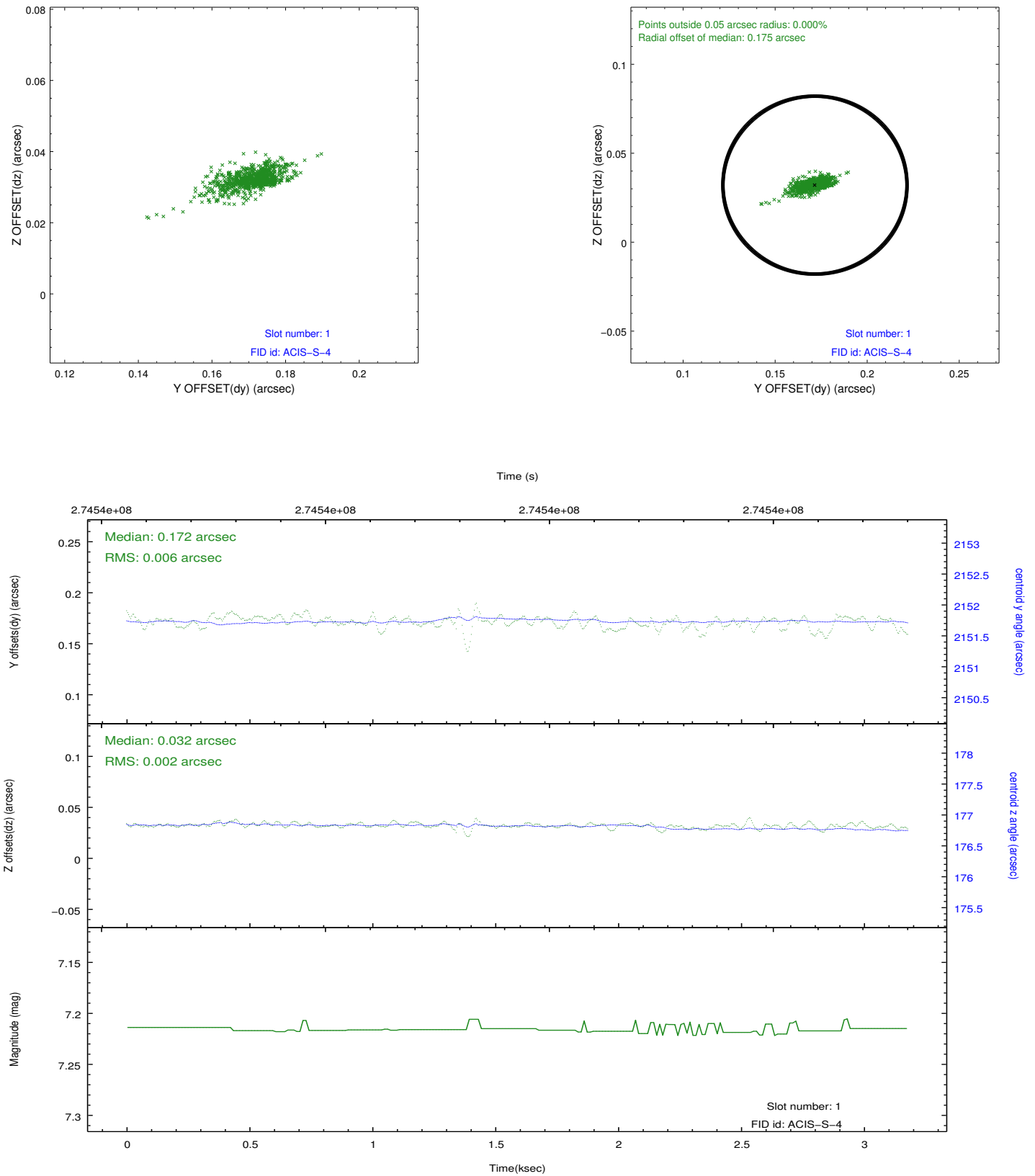


2.5 FID Slots

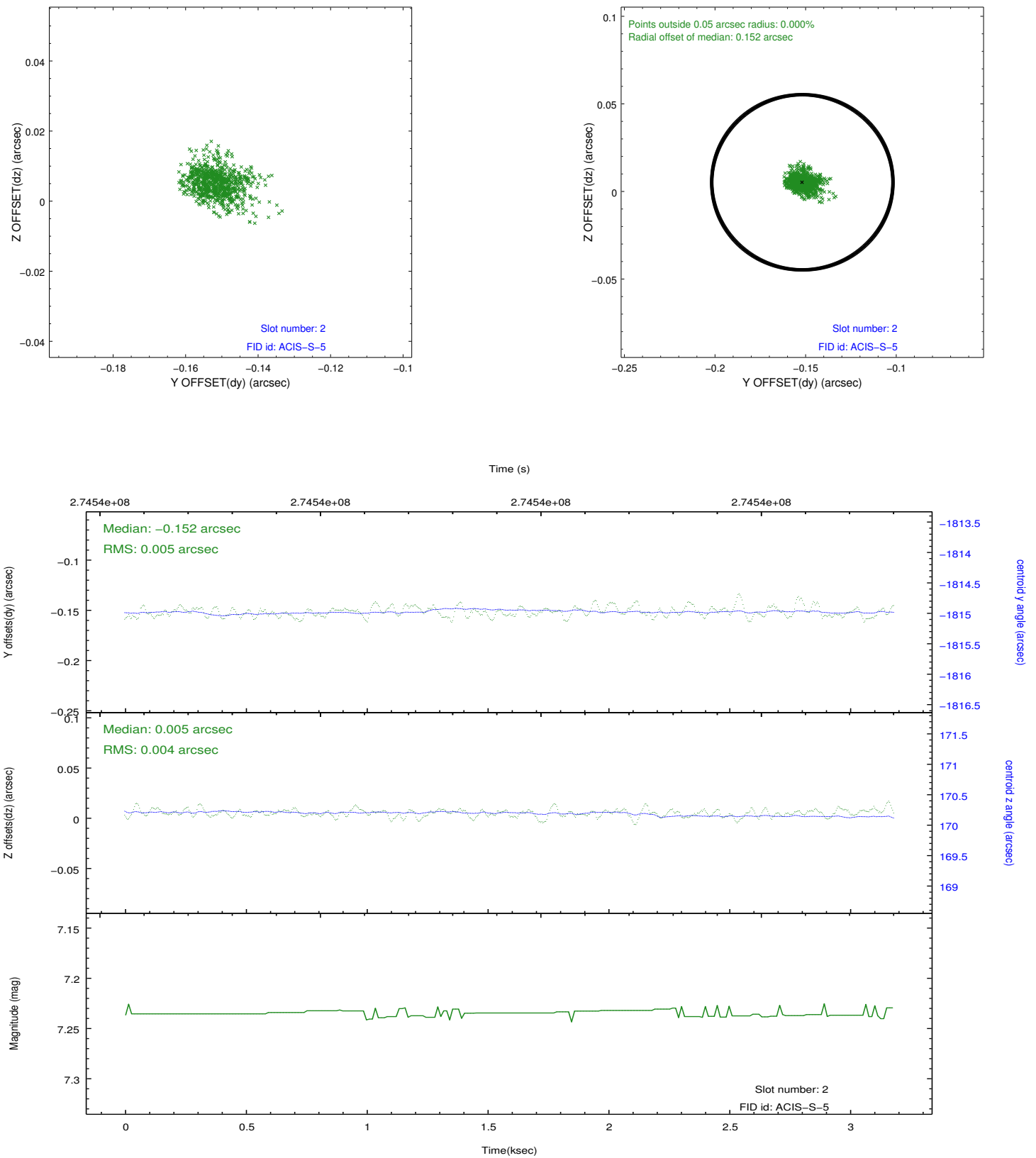
2.5.1 Slot 0



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)	2012.04.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.18079981

A.2 Comments