

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 3997 - L2 Version 5
Chandra X-Ray Center

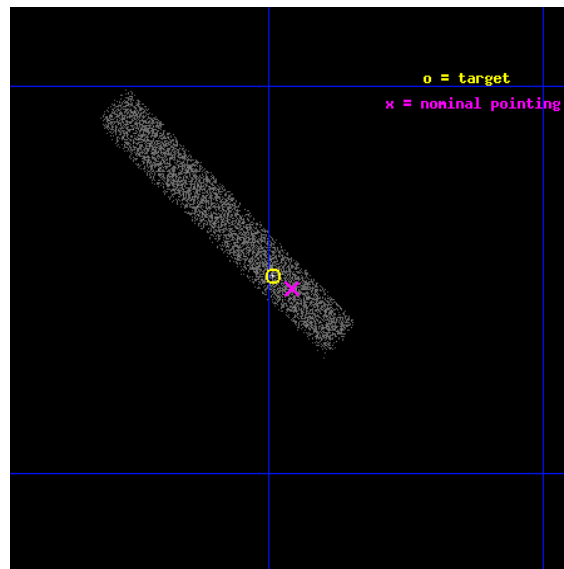
L2 Processing Date : Feb 13 2013

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

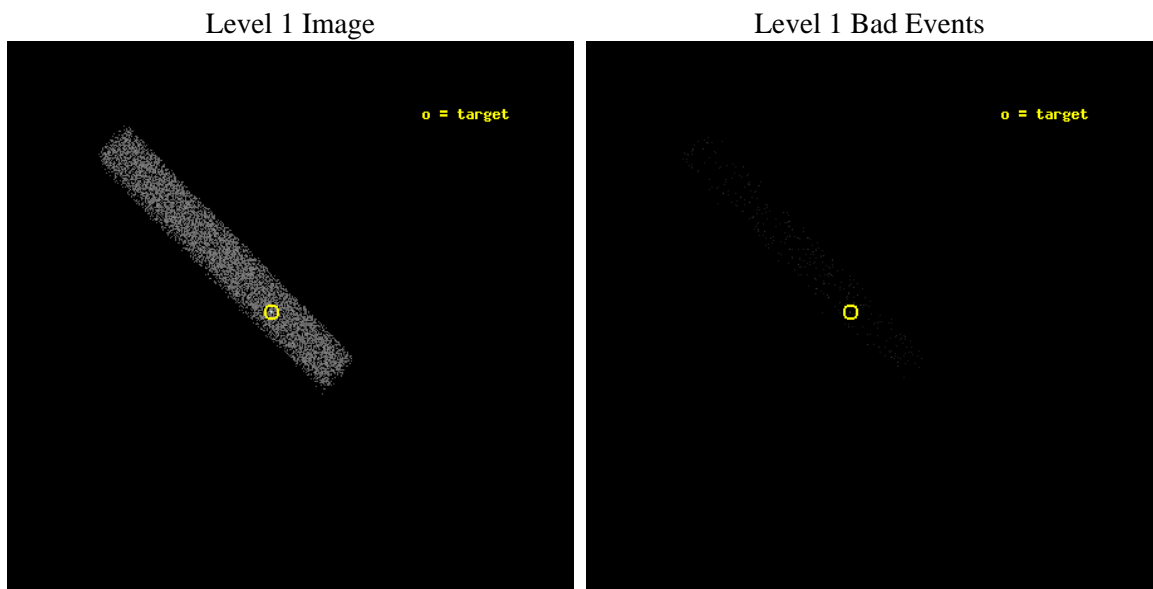
seq_num	700676	Sequence number
obs_id	3997	Observation id
title	AN X-RAY SURVEY OF RADIO-SELECTED LOW-LUMINOSITY AGNS	Proposal tit
observer	Dr. Yuichi Terashima	Principal investigator
object	NGC 4450	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.122917	Observer's specified target RA [deg]
dec_targ	17.085	Observer's specified target Dec [deg]
ra_nom	187.11462601614	Nominal RA [deg]
dec_nom	17.079337785126	Nominal Dec [deg]
roll_nom	225.33456739054	Nominal Roll [deg]
revision	5	Processing version of data
ontime	2755.2000410259	Sum of GTIs [s]
livetime	2498.8210058279	Livetime [s]
ontime7	2755.2000410259	Sum of GTIs [s]
l2events	7128	Number of level 2 events



2 OBI

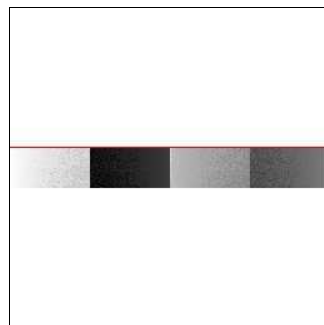
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	4912.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	2755.2000410259	Sum of GTIs [s]
caldsver	4.5.5	 	ontime7	2755.2000410259	Sum of GTIs [s]
date	2013-02-13T23:41:48	Date and time of file creation	l1events	9894	Number of level 1 events
revision	5	Processing version of data			

2.1.4 Events

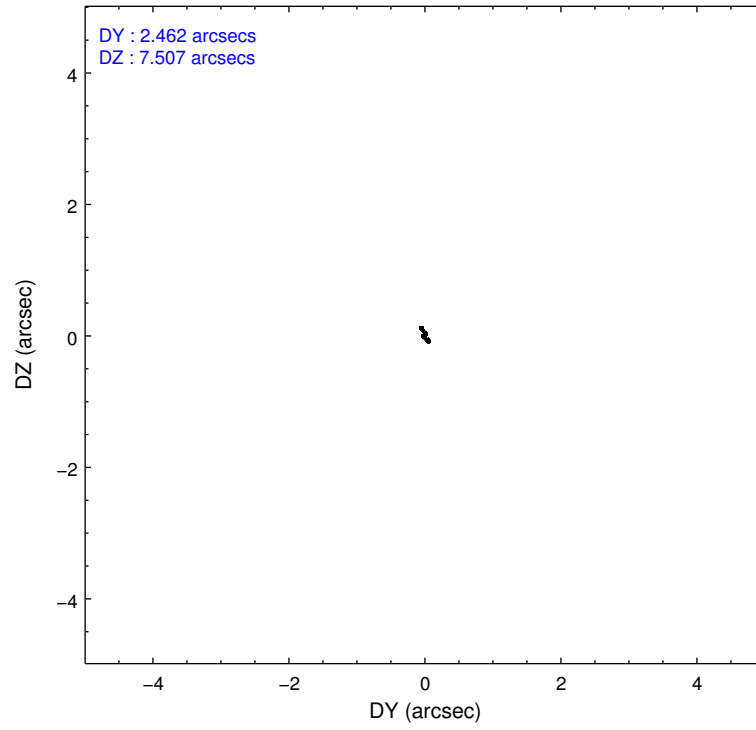
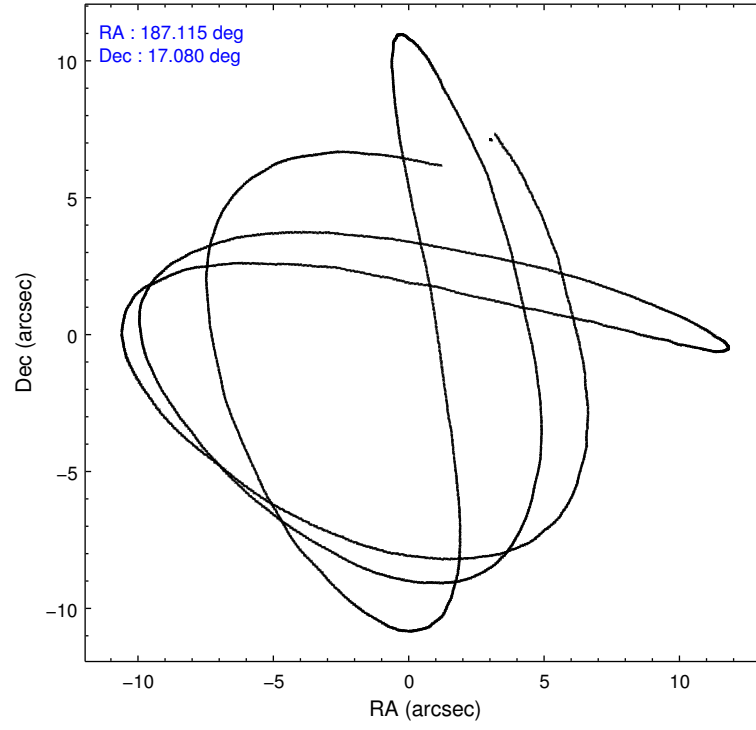
	ccd 7
level 1 events	9894
rejected events	2655
rejected %	26%

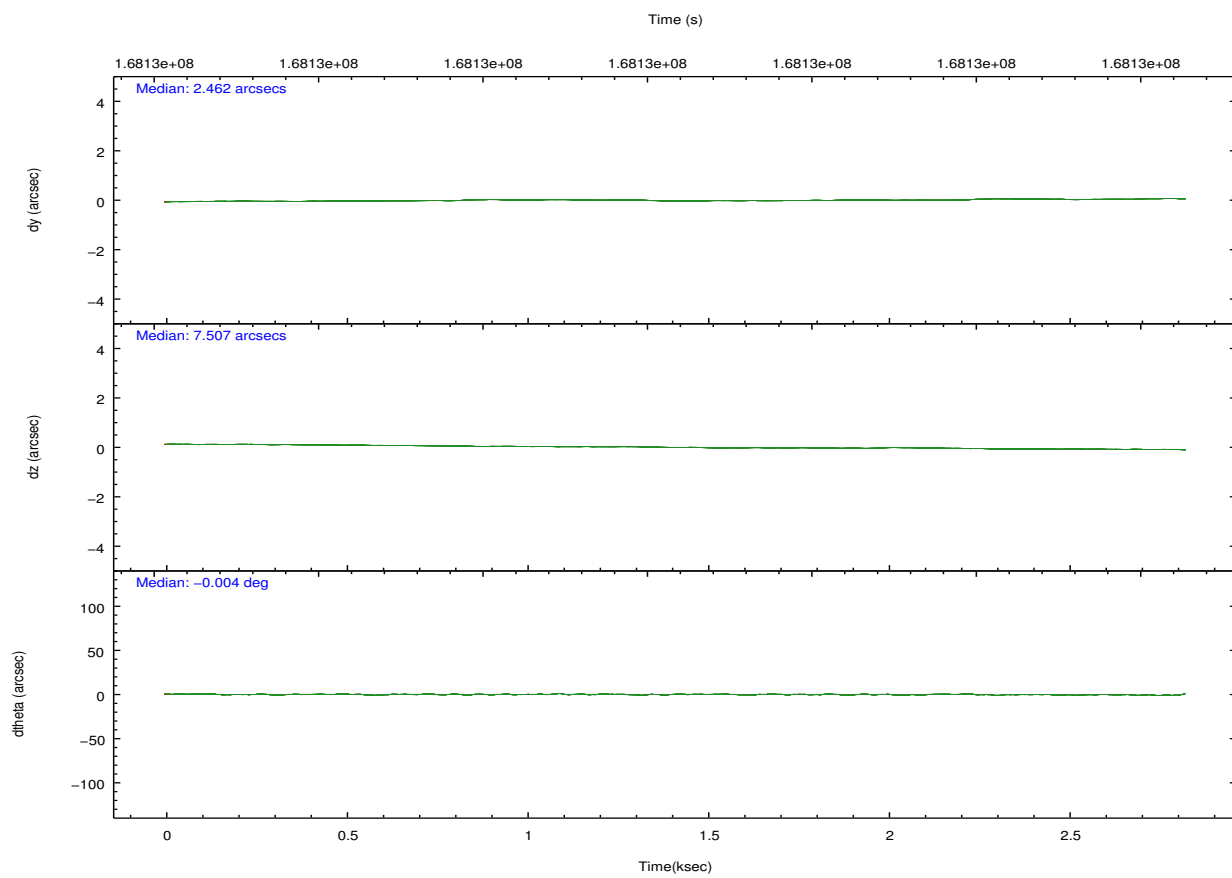
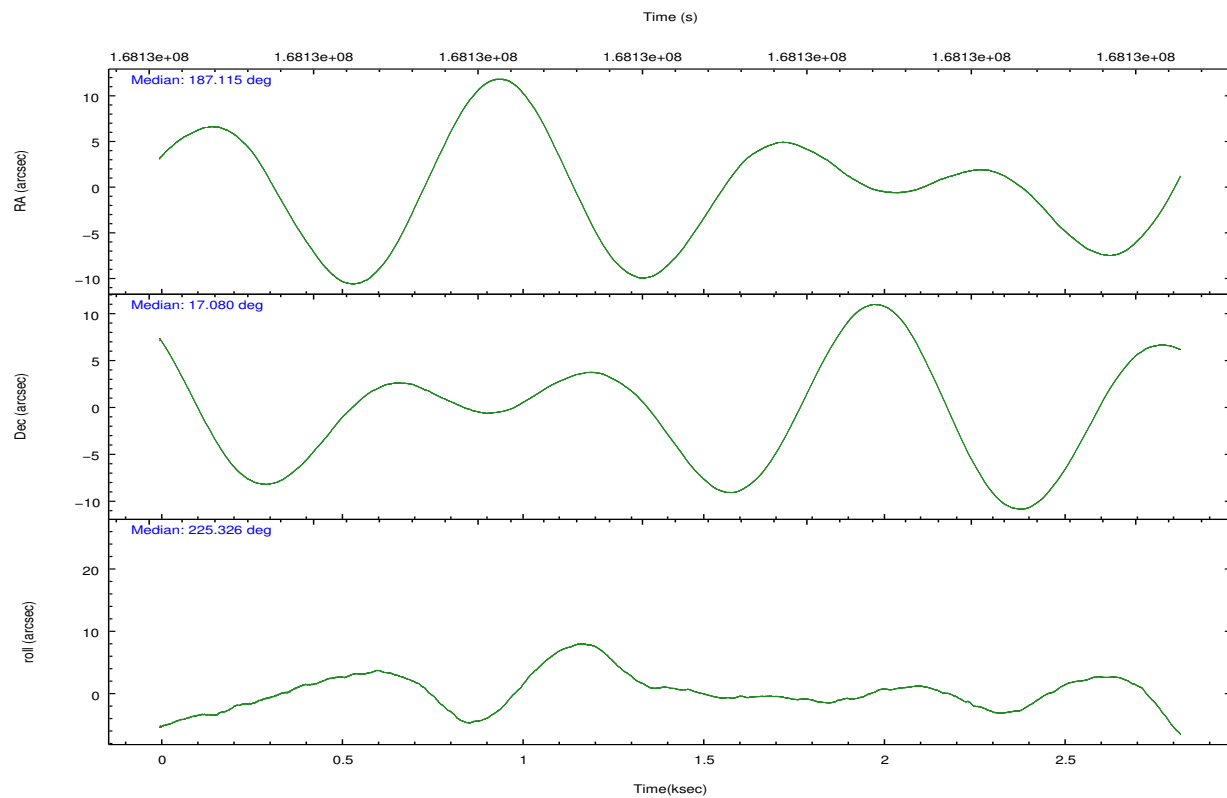
	ccd 7
grade 0 events	1033
	10%
grade 1 events	4
	0%
grade 2 events	1443
	14%
grade 3 events	729
	7%
grade 4 events	637
	6%
grade 5 events	339
	3%
grade 6 events	4120
	41%
grade 7 events	1589
	16%

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	OVERRIDE	OVERRIDE
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	187.121493	187.1146260161406	Subarray requested	CUSTOM	CUSTOM
[deg] Pointing Dec	17.105856	17.07933778512598	Subarray start row	449	449
[deg] Pointing Roll	225.175720	225.334567390539	Subarray row count	128	128
[mm] SIM focus pos	-0.6828225247311905	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0.001444942264670179	0.001444942264670179	[s] Primary exposure time	0.4	0.4
[mm] SIM translation stage pos	-190.1425803651734	-190.1425803651734			
[mm] SIM translation stage offset	0.01005726120618533	0.01005726120618533			
[s] Observation start time (MET)	168130169.184000	168130169.184			
Observation start date	2003-04-30T22:48:25	2003-04-30T22:49:29			
[s] Observation end time (MET)	168132997.000000	168132997			
Observation end date	2003-04-30T23:36:37	2003-04-30T23:36:36			
Read mode	TIMED	TIMED			

2.3 Aspect



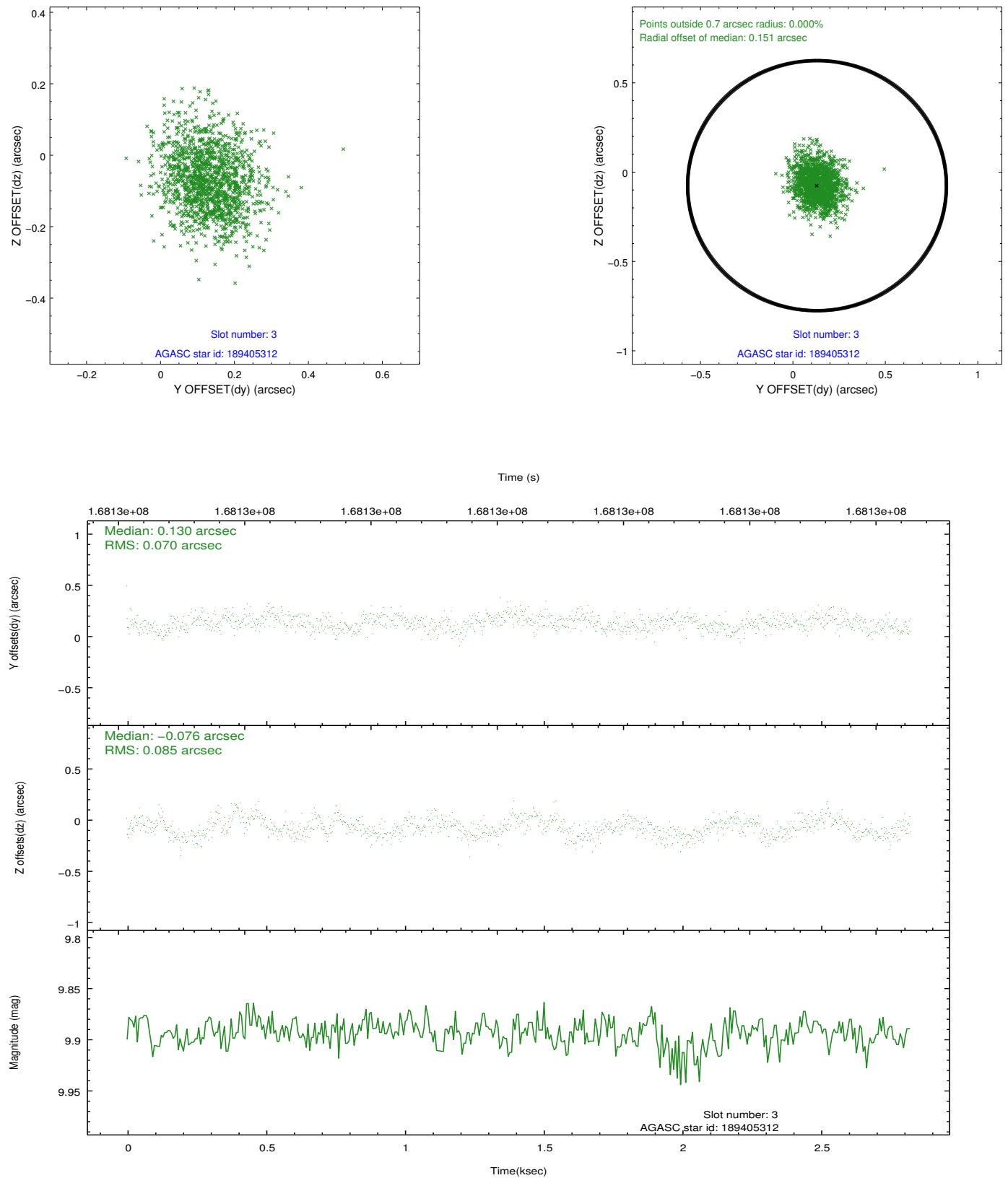


Slot Statistics

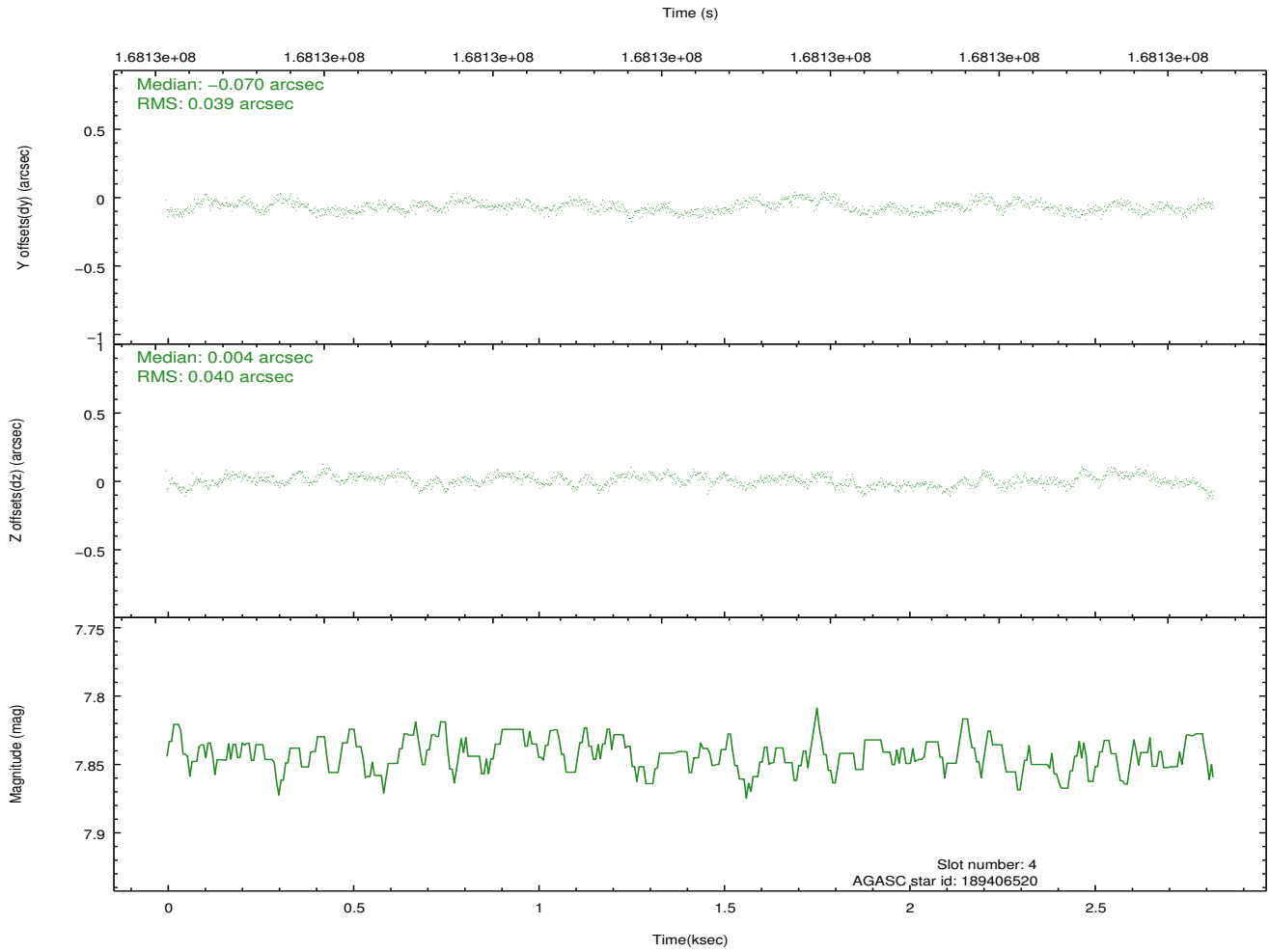
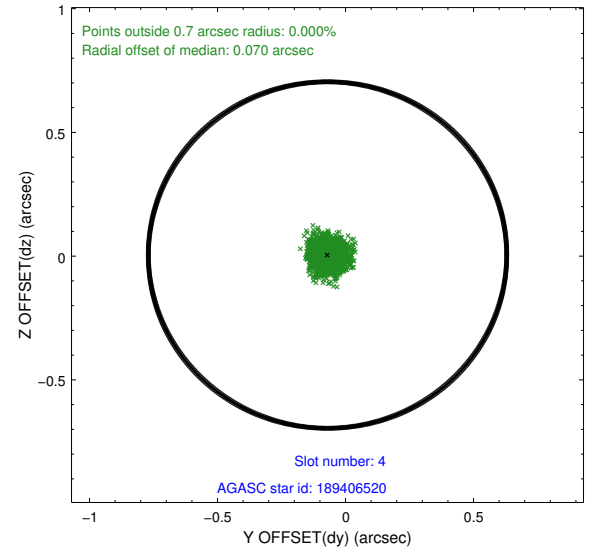
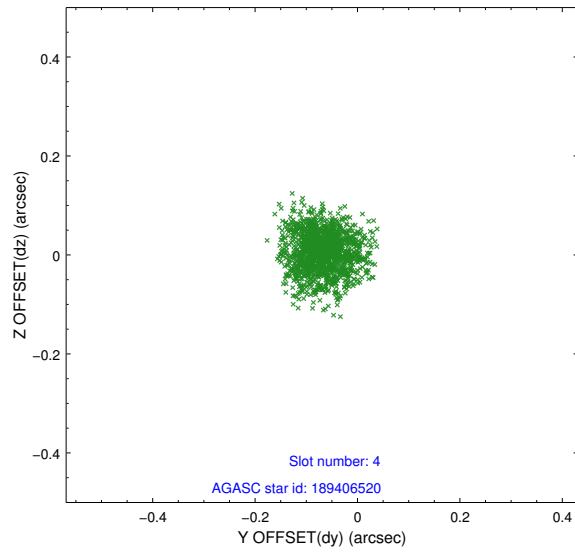
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	689	-0.022	-0.005	0.008	0.013	0.000000	0.000000	-755.11	-1728.65
1	FID	ACIS-S-4	7.21	689	-0.017	0.012	0.006	0.010	0.000000	0.000000	2157.15	177.50
2	FID	ACIS-S-5	7.24	689	0.008	0.002	0.007	0.011	0.000000	0.000000	-1804.99	173.75
3	GUIDE	189405312	9.89	1370	0.130	-0.076	0.114	0.192	186.879292	17.292641	109.76	-1064.66
4	GUIDE	189406520	7.84	1379	-0.070	0.004	0.060	0.094	187.149770	16.768407	792.56	925.04
5	GUIDE	189406736	10.39	1355	0.044	0.100	0.164	0.255	187.138812	16.565326	1338.48	1415.28
6	GUIDE	189408664	10.13	1378	0.005	0.065	0.125	0.198	187.335967	17.509082	-1548.10	-500.18
7	GUIDE	189405064	7.35	1378	-0.118	-0.092	0.054	0.095	186.887888	17.834342	-1297.16	-2417.44

2.4 Star Slots

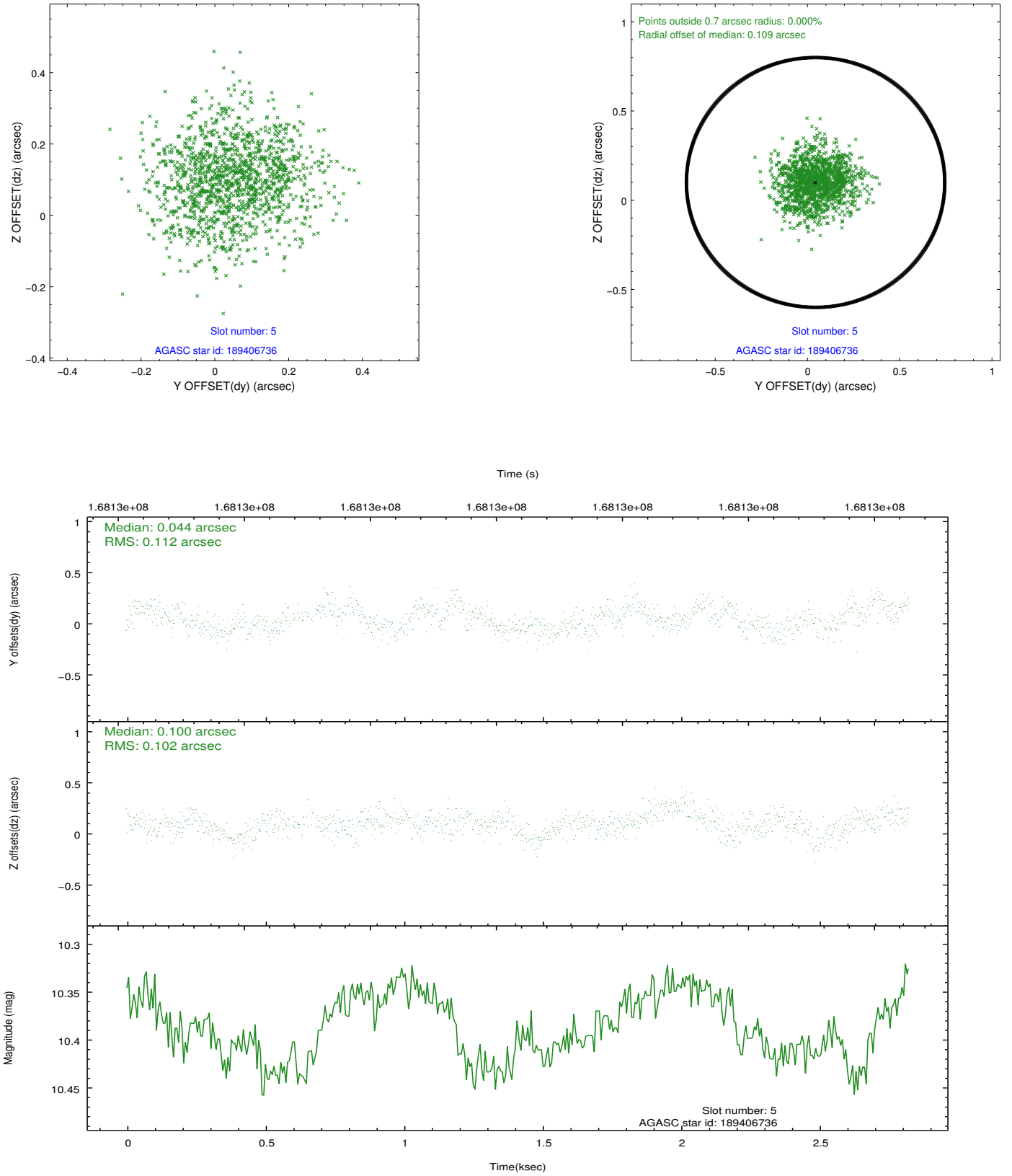
2.4.1 Slot 3



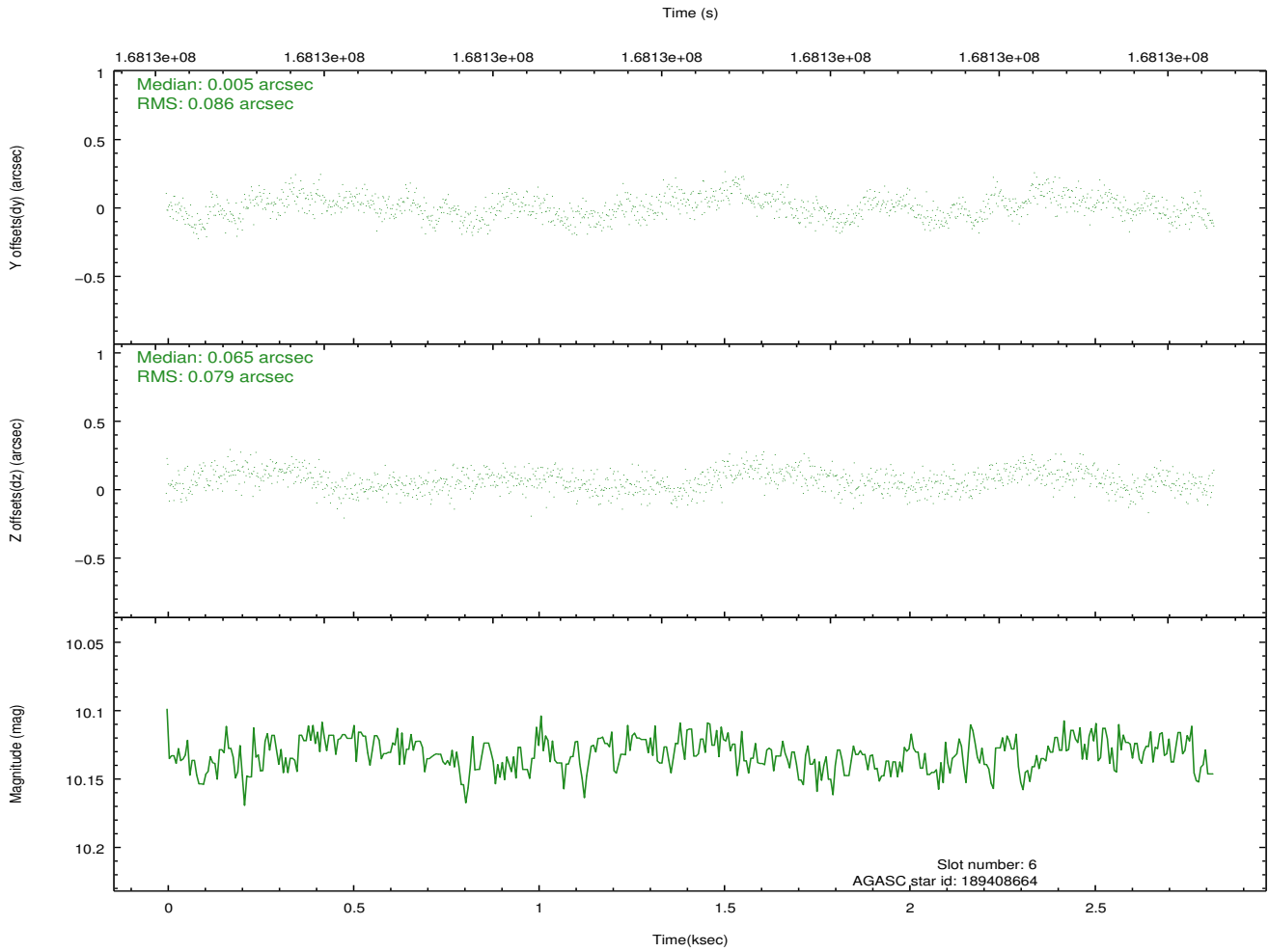
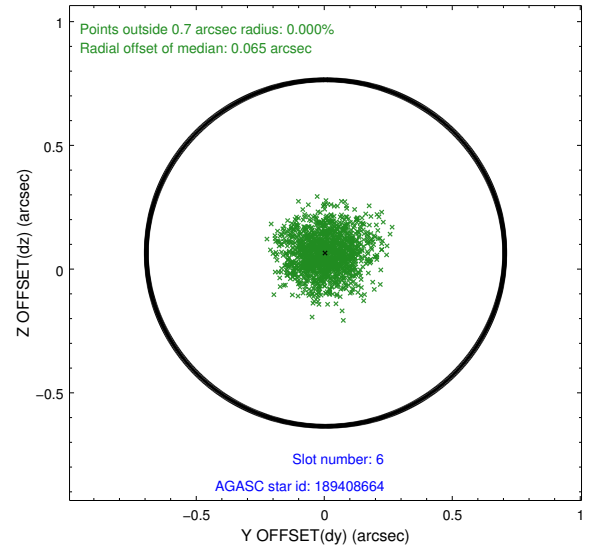
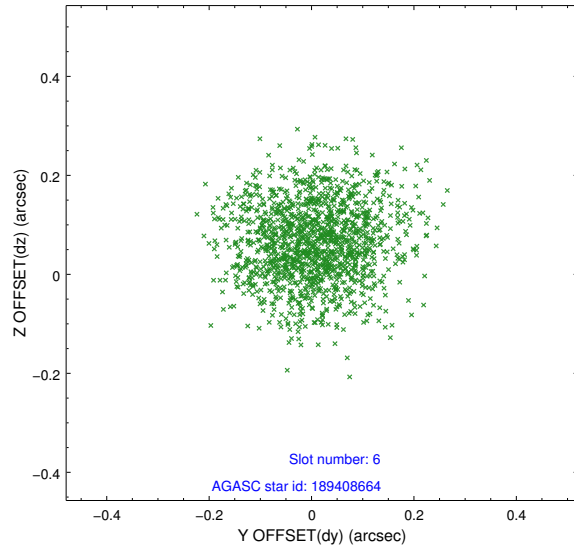
2.4.2 Slot 4



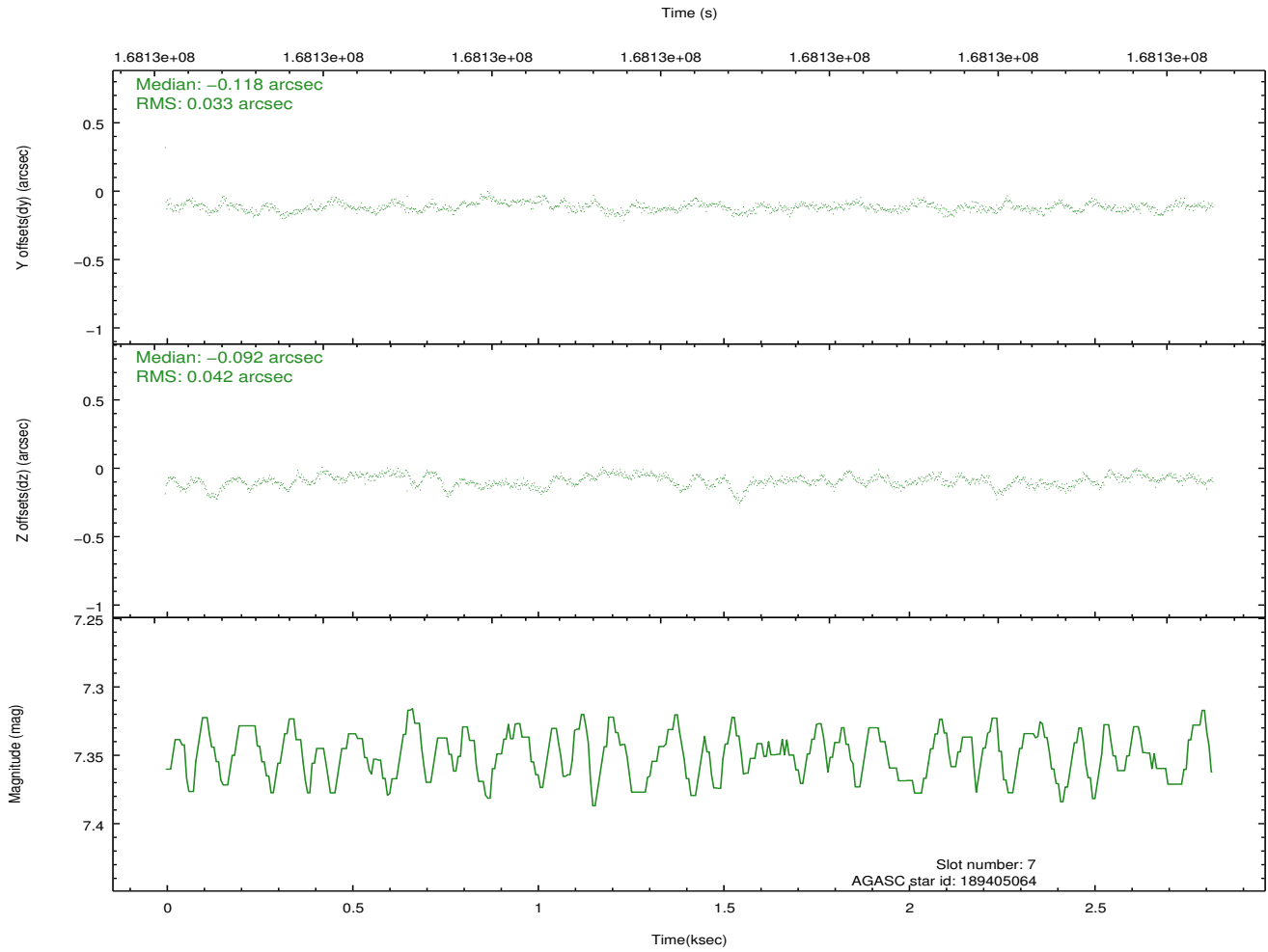
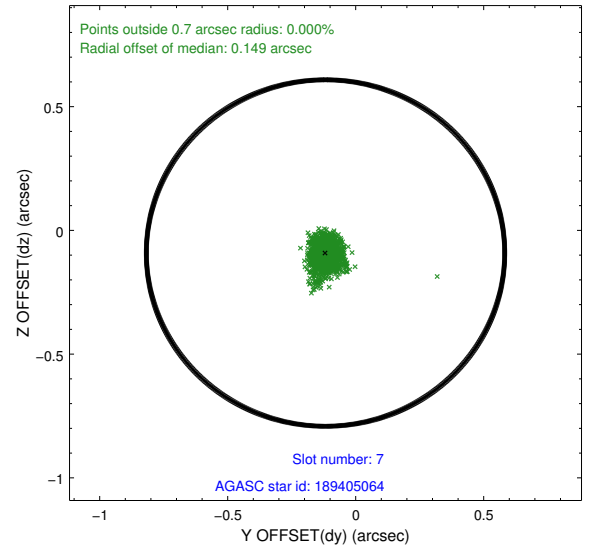
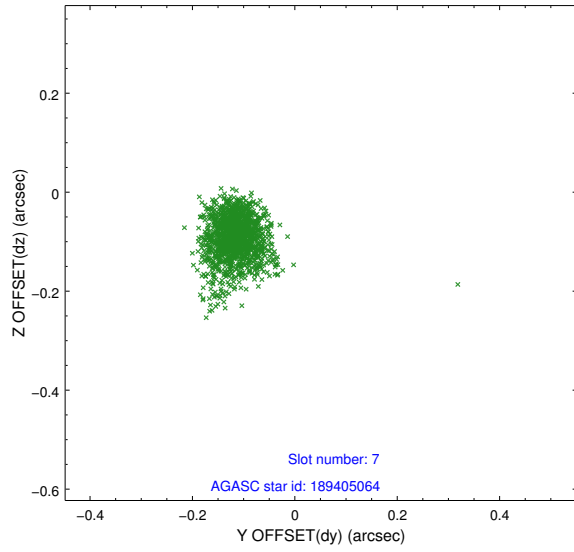
2.4.3 Slot 5



2.4.4 Slot 6

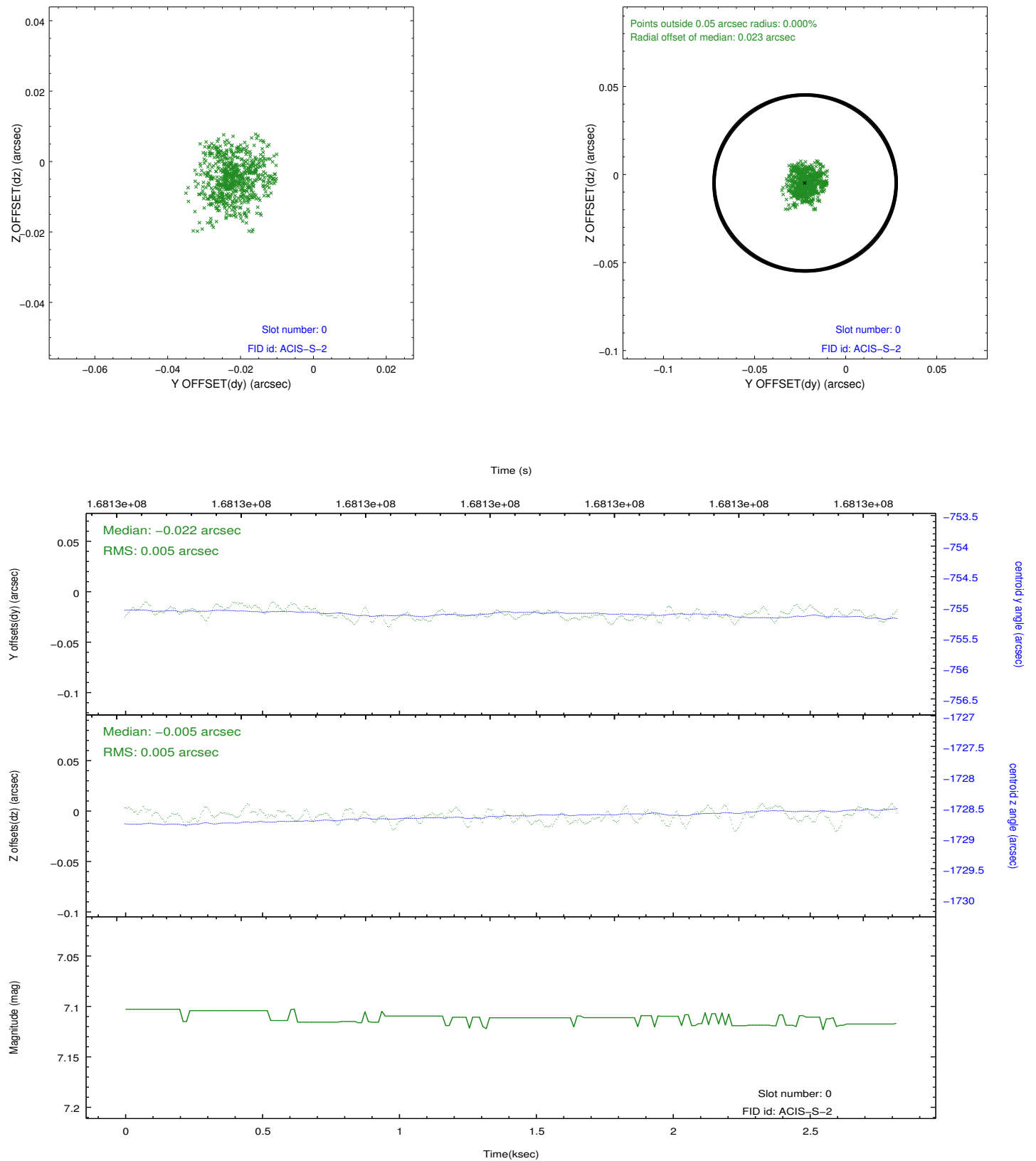


2.4.5 Slot 7

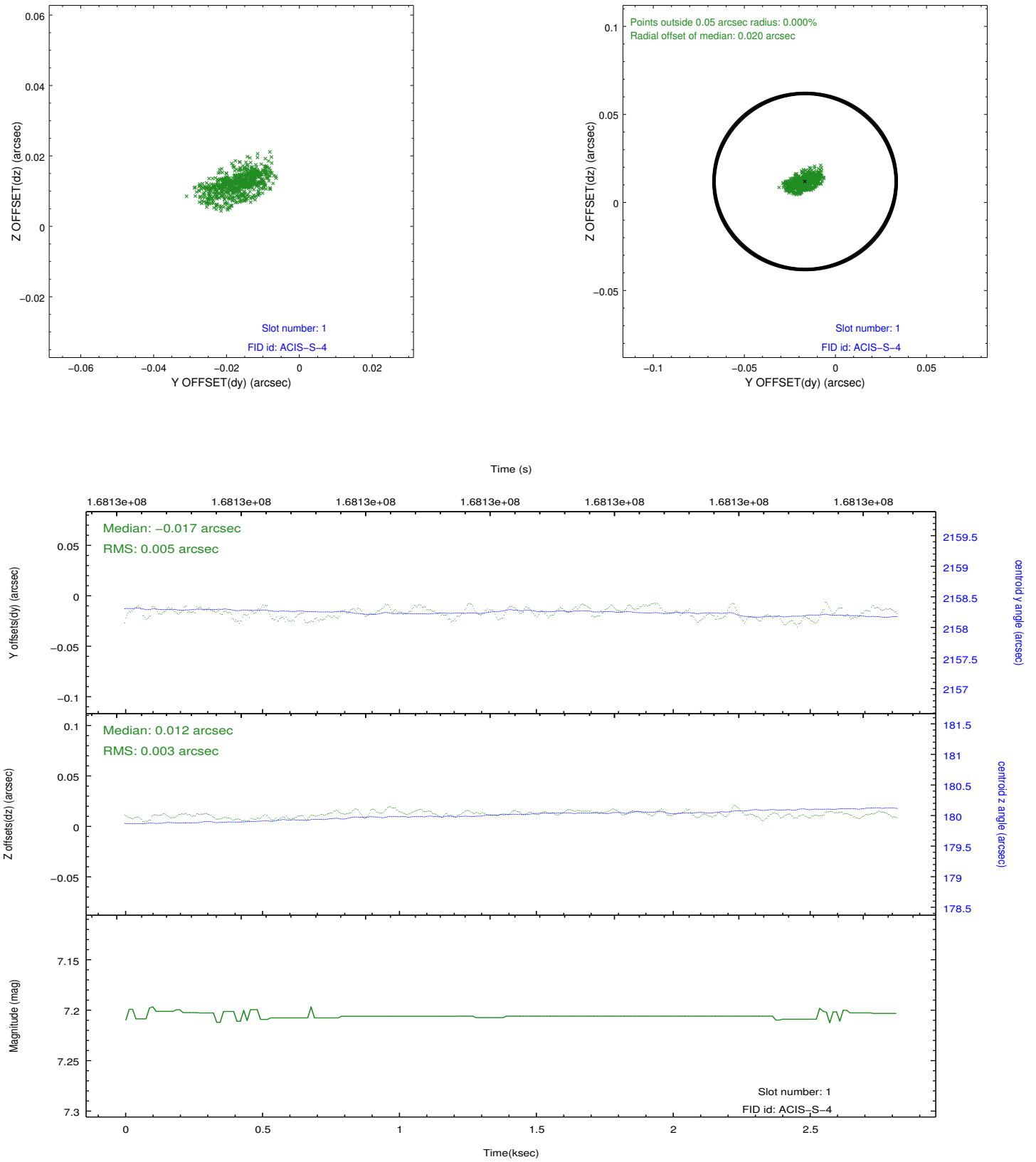


2.5 FID Slots

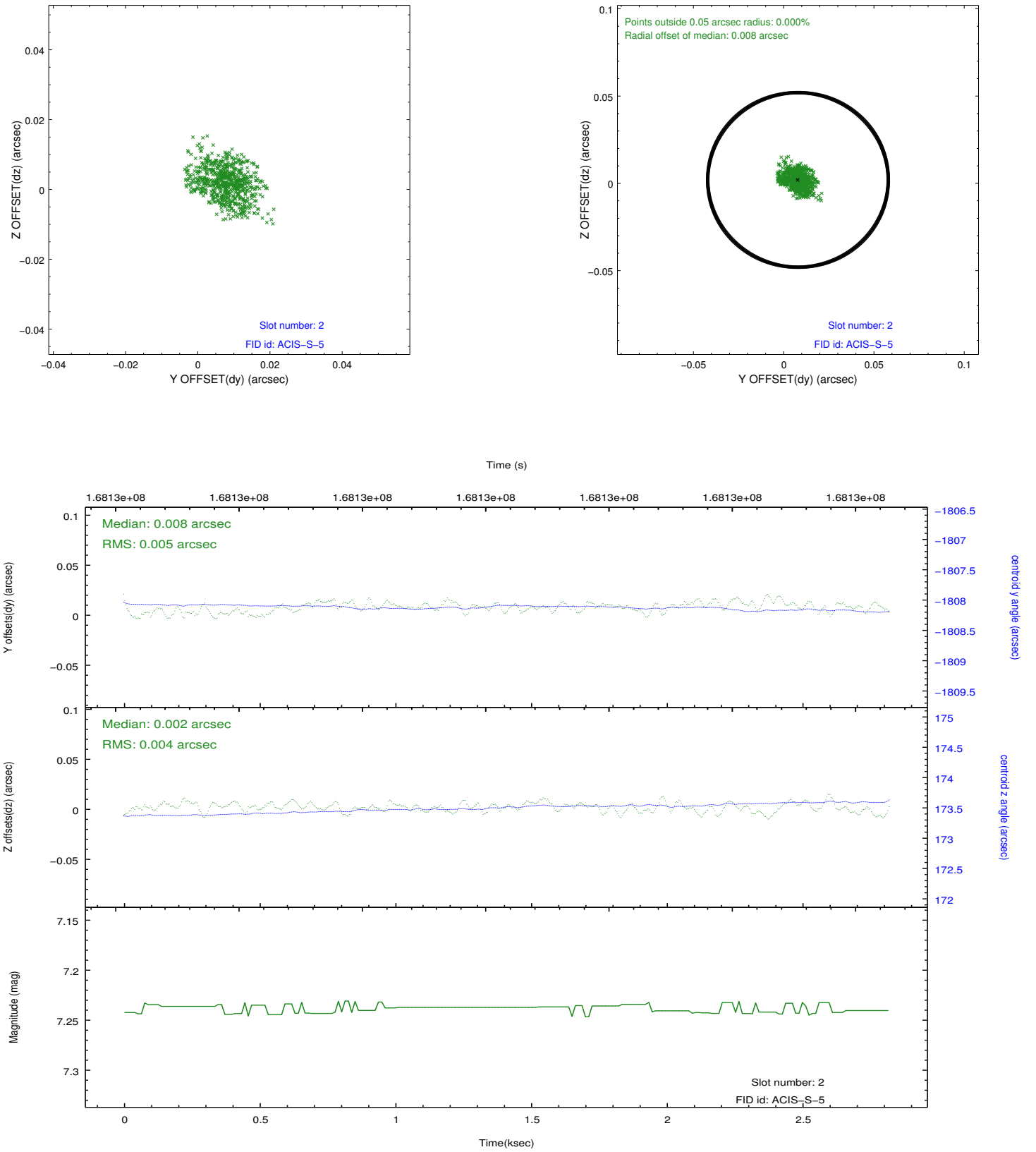
2.5.1 Slot 0



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)	2013.02.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.697

A.2 Comments

Charge time for this ObsId remains at original value of 3.697 ksec, although with the current processing the charge time would have been 2.755 ksec.

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This observation was interrupted by safing of the science instruments onboard Chandra due to high solar radiation environment. The observation was interrupted at 2003:120:23:37:13. Due to a high radiation environment, the instruments were safed and the observation terminated early. This observation has been reprocessed so that the aspect solution correctly handles the instrument safing and maneuver activities at the end of the observation.