

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4768 - L2 Version 3
Chandra X-Ray Center

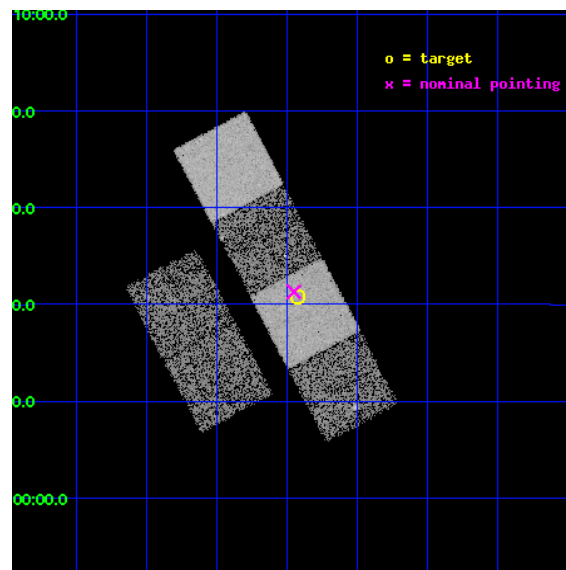
L2 Processing Date : Nov 11 2012

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

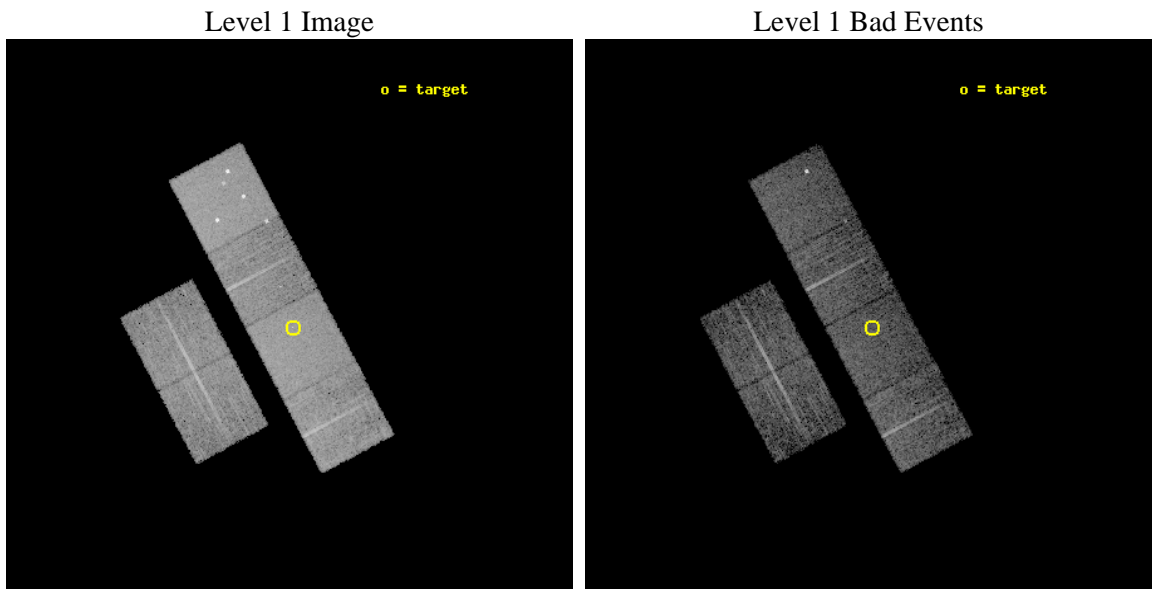
seq_num	700851	Sequence number
obs_id	4768	Observation id
title	Alternate - A Chandra Survey of Luminous, Radio-Loud Quasars at High Redshift extension	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	PMN J1230-1139	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.731667	Observer's specified target RA [deg]
dec_targ	-11.65275	Observer's specified target Dec [deg]
ra_nom	187.73773563747	Nominal RA [deg]
dec_nom	-11.645216467307	Nominal Dec [deg]
roll_nom	62.078479569637	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7606.399971664	Sum of GTIs [s]
livetime	7510.0831551985	Livetime [s]
ontime2	7606.399971664	Sum of GTIs [s]
ontime3	7606.399971664	Sum of GTIs [s]
ontime5	7606.399971664	Sum of GTIs [s]
ontime6	7606.399971664	Sum of GTIs [s]
ontime7	7606.399971664	Sum of GTIs [s]
ontime8	7606.399971664	Sum of GTIs [s]
l2events	74915	Number of level 2 events



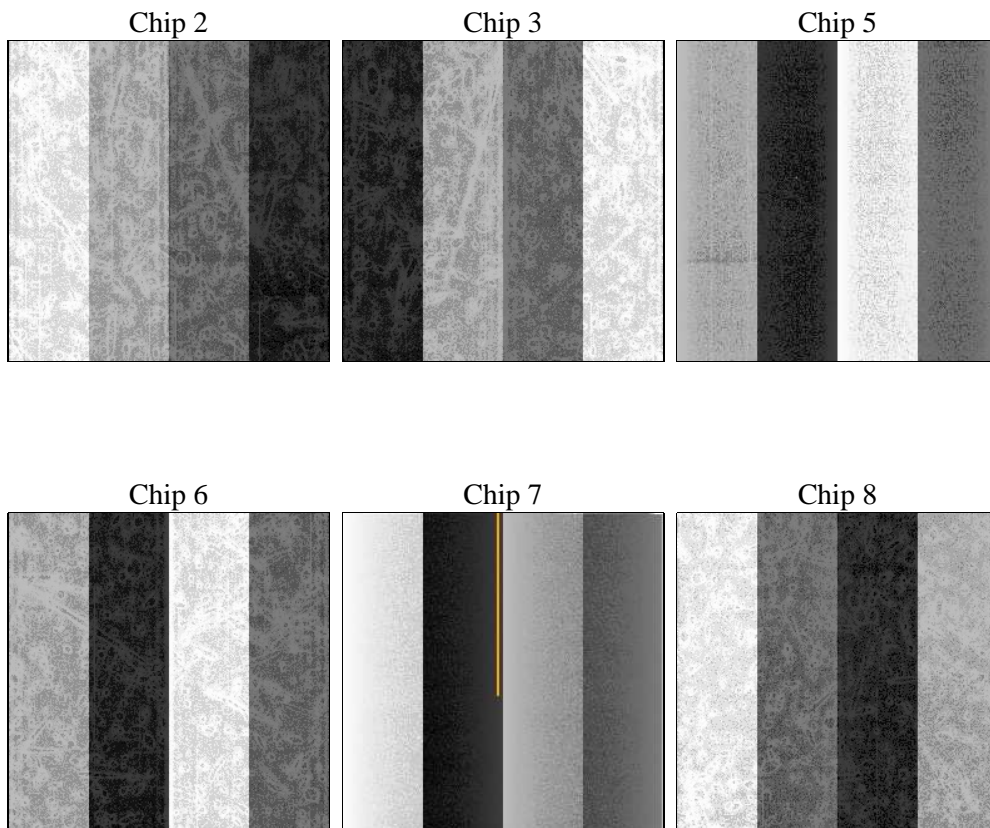
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7426.872000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	7606.399971664	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	7606.399971664	Sum of GTIs [s]
date	2012-11-11T14:36:22	Date and time of file creation	ontime3	7606.399971664	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	7606.399971664	Sum of GTIs [s]
			ontime6	7606.399971664	Sum of GTIs [s]
			ontime7	7606.399971664	Sum of GTIs [s]
			ontime8	7606.399971664	Sum of GTIs [s]
			l1events	476526	Number of level 1 events

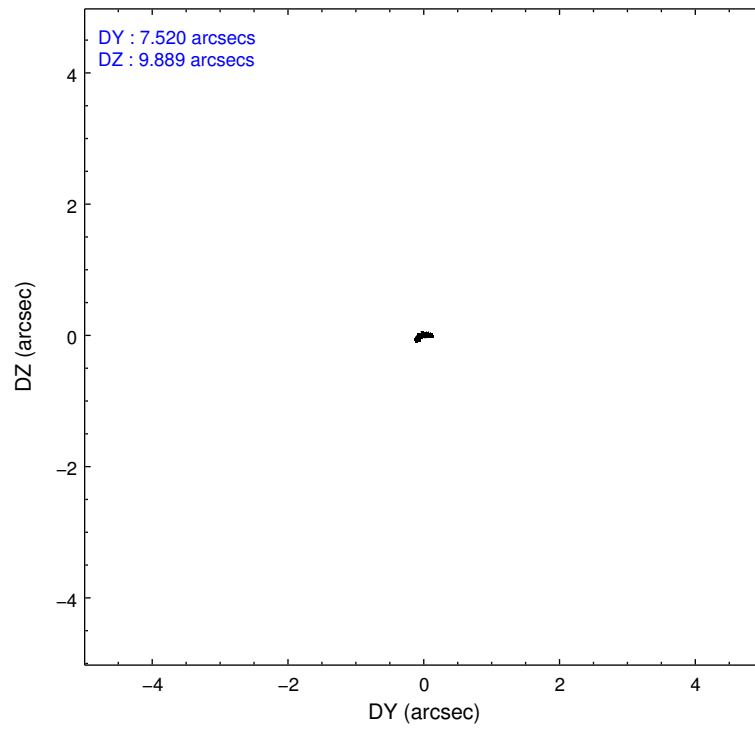
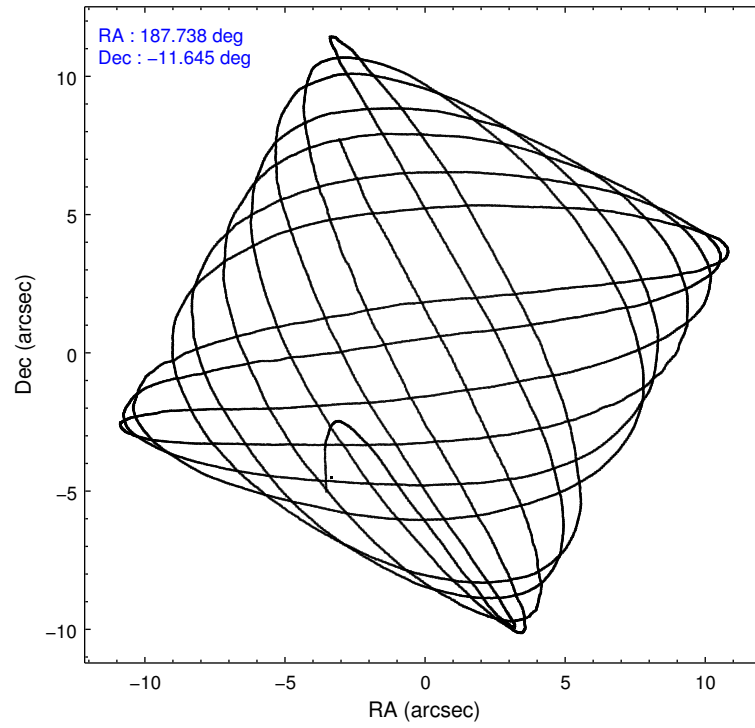
2.1.4 Events

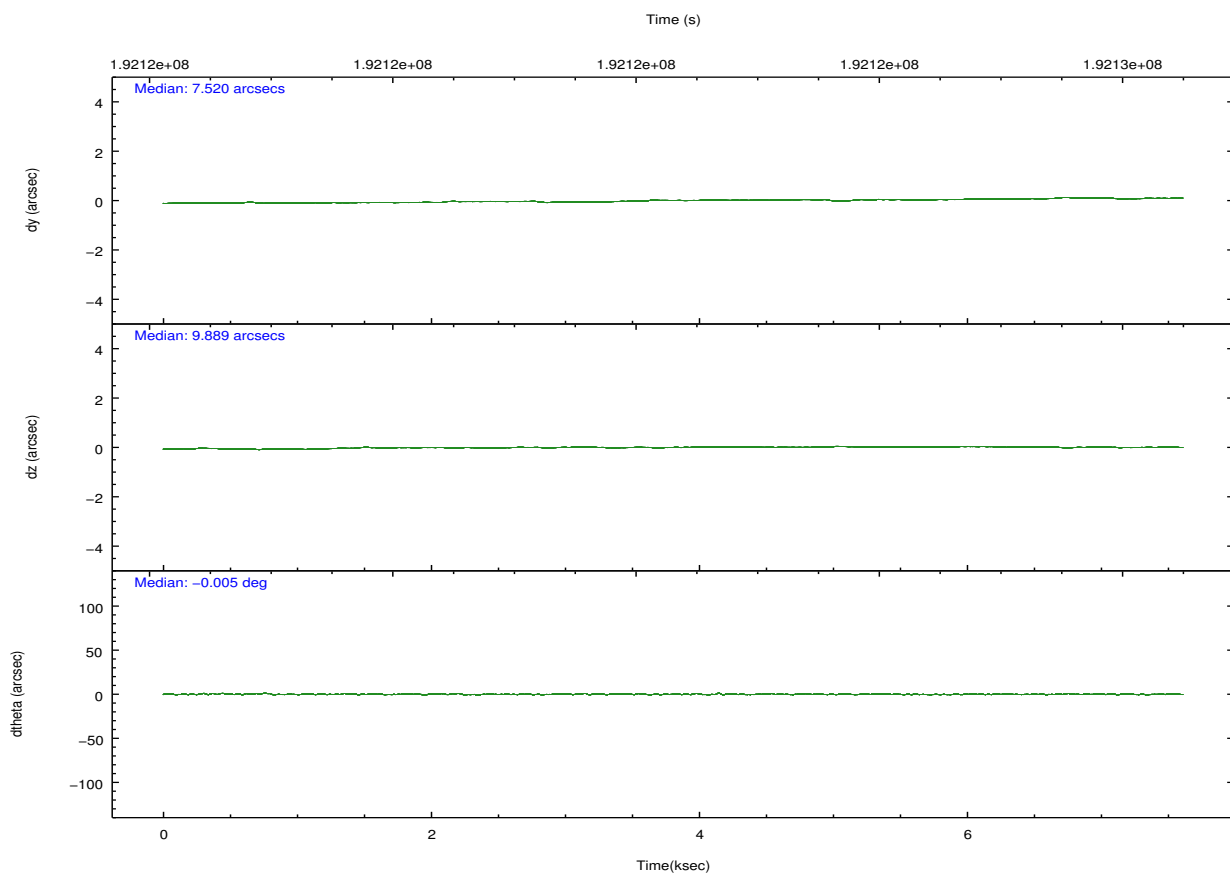
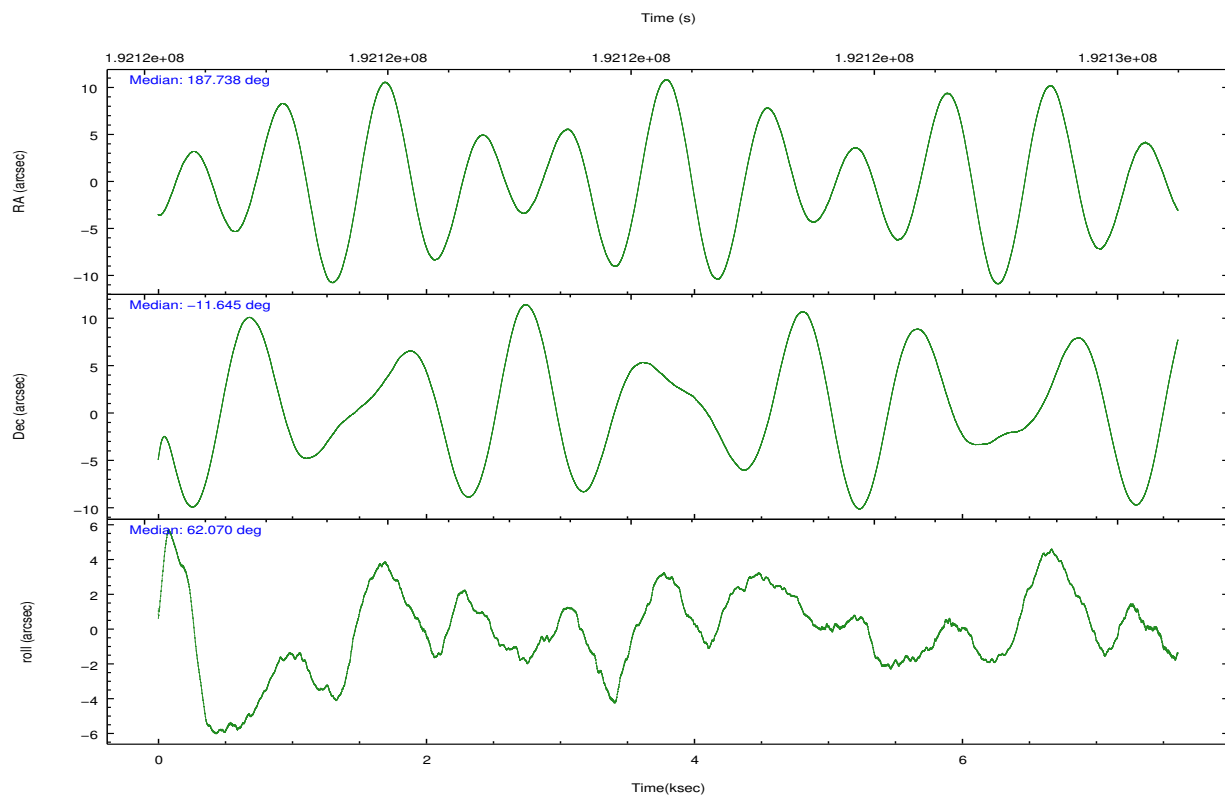
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	67175	67106	101189	69645	89338	82073	grade 0 events	11736	12199	11016	11979	7393	14057
rejected events	61510	61849	65317	63932	63385	70492		17%	18%	10%	17%	8%	17%
rejected %	91%	92%	64%	91%	70%	85%	grade 1 events	82	77	252	62	71	87
								0%	0%	0%	0%	0%	0%
							grade 2 events	3788	4055	16885	4203	9827	5951
								5%	6%	16%	6%	10%	7%
							grade 3 events	1598	1645	2406	1698	4508	2365
								2%	2%	2%	2%	5%	2%
							grade 4 events	1618	1697	2356	1673	4512	2389
								2%	2%	2%	2%	5%	2%
							grade 5 events	2173	2498	6238	2533	6962	3141
								3%	3%	6%	3%	7%	3%
							grade 6 events	3124	3280	22670	3948	20977	5882
								4%	4%	22%	5%	23%	7%
							grade 7 events	43056	41655	39366	43549	35088	48201
								64%	62%	38%	62%	39%	58%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	187.739129	187.7377356374657	Subarray requested	NONE	NONE
[deg] Pointing Dec	-11.672326	-11.64521646730718	Alternating exposures requested	N	N
[deg] Pointing Roll	61.922141	62.07847956963663	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	192118677.184000	192117102.07067			
Observation start date	2004-02-02T14:16:53	2004-02-02T13:51:42			
[s] Observation end time (MET)	192126104.184000	192126418.80857			
Observation end date	2004-02-02T16:20:40	2004-02-02T16:26:58			
Read mode	TIMED	TIMED			

2.3 Aspect



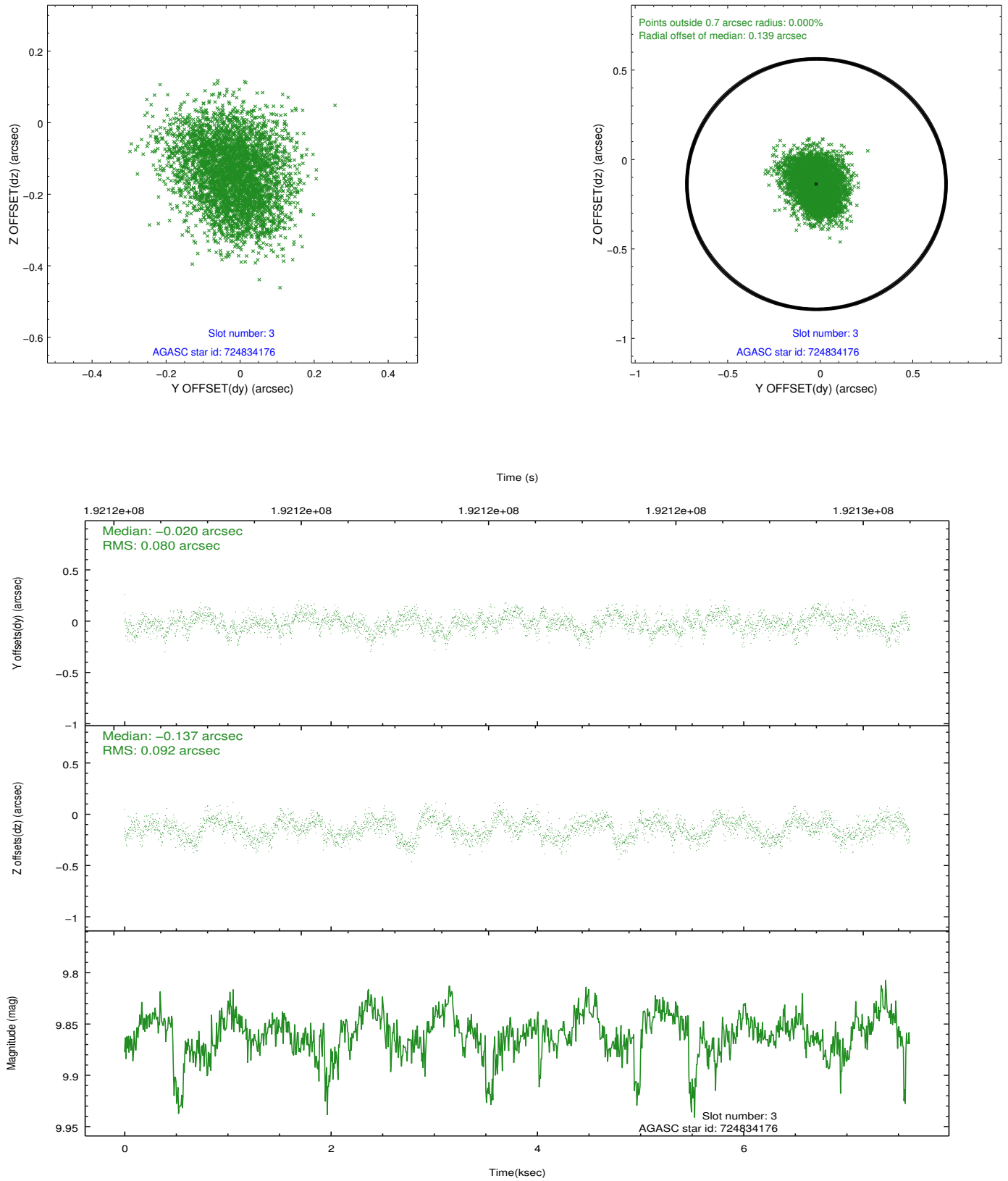


Slot Statistics

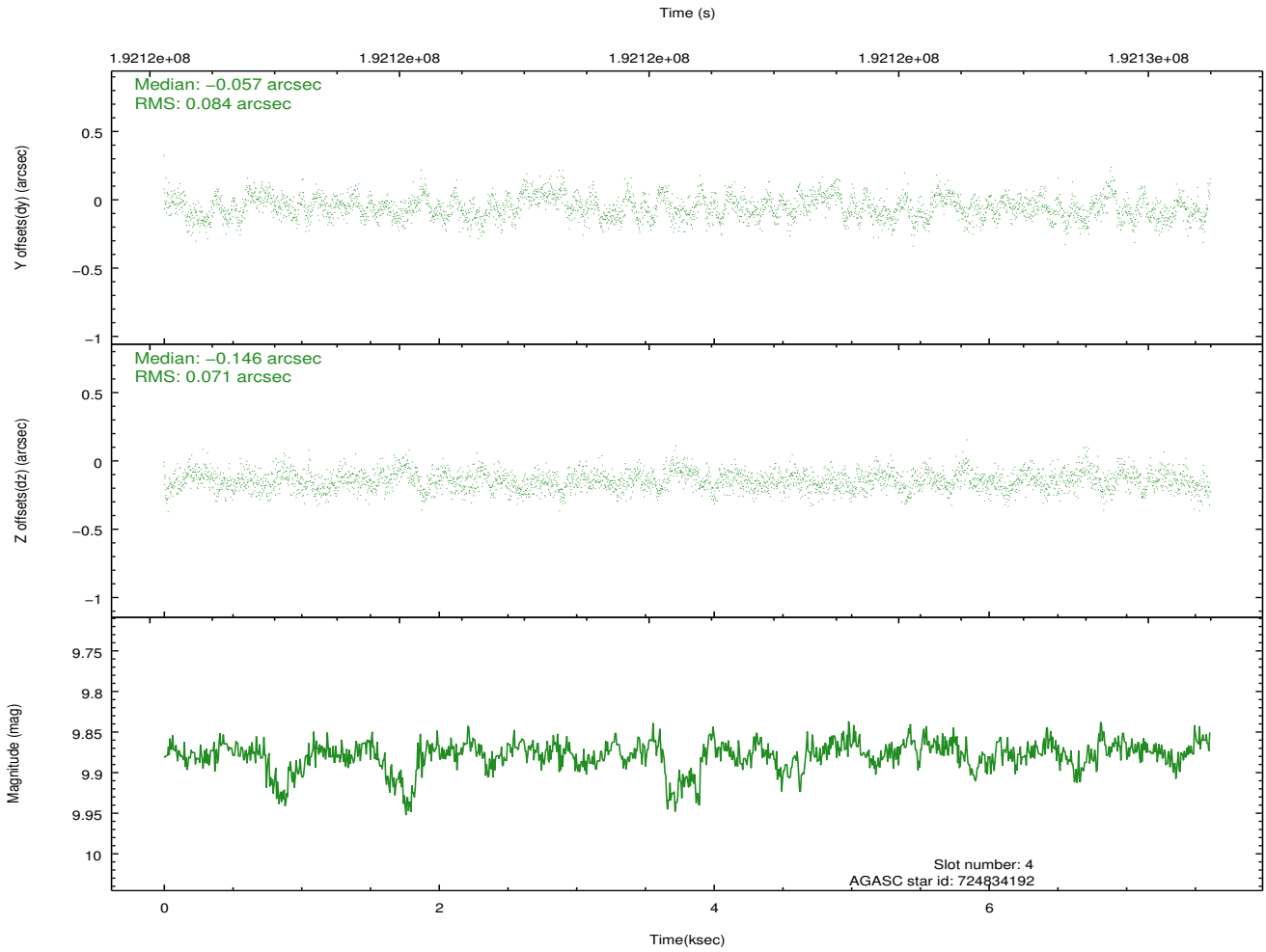
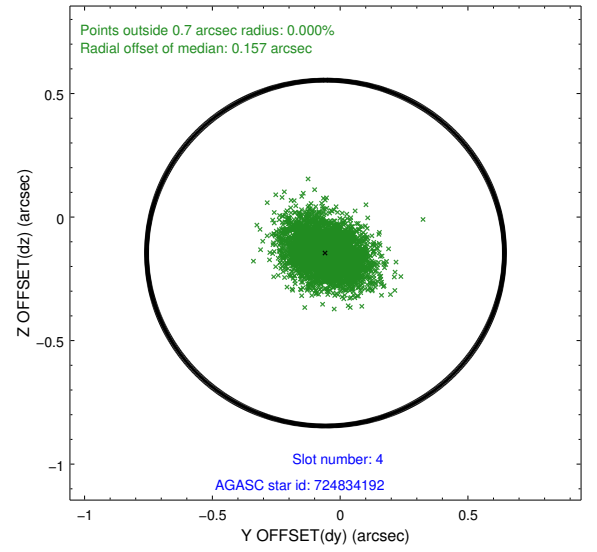
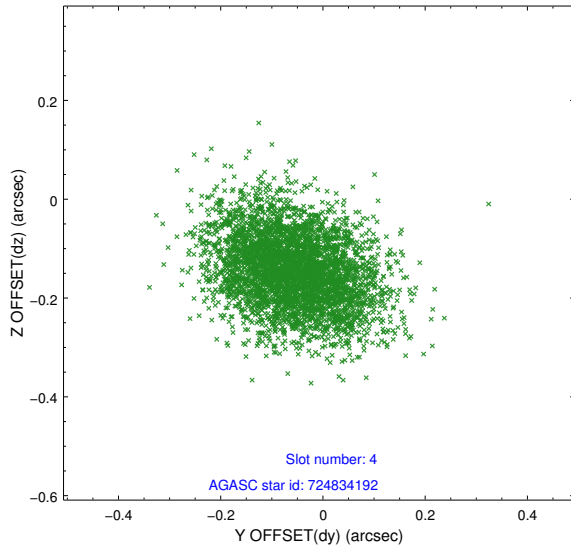
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1857	-0.040	-0.018	0.007	0.011	0.000000	0.000000	-760.28	-1731.16
1	FID	ACIS-S-4	7.20	1857	0.079	0.024	0.006	0.011	0.000000	0.000000	2152.74	176.65
2	FID	ACIS-S-5	7.23	1857	-0.069	0.003	0.007	0.011	0.000000	0.000000	-1812.23	171.08
3	GUIDE	724834176	9.86	3713	-0.020	-0.137	0.131	0.204	187.499703	-11.249672	944.77	1462.07
4	GUIDE	724834192	9.88	3709	-0.057	-0.146	0.117	0.189	187.566558	-11.249477	1056.94	1254.69
5	GUIDE	724836416	10.02	3712	0.053	0.145	0.116	0.196	187.960443	-11.697916	286.81	-731.15
6	GUIDE	724838120	9.37	3713	-0.059	0.156	0.111	0.178	188.548903	-11.454306	2034.66	-2153.11
7	GUIDE	724838688	10.43	3708	0.101	-0.017	0.149	0.252	187.506036	-11.634827	-266.79	788.10

2.4 Star Slots

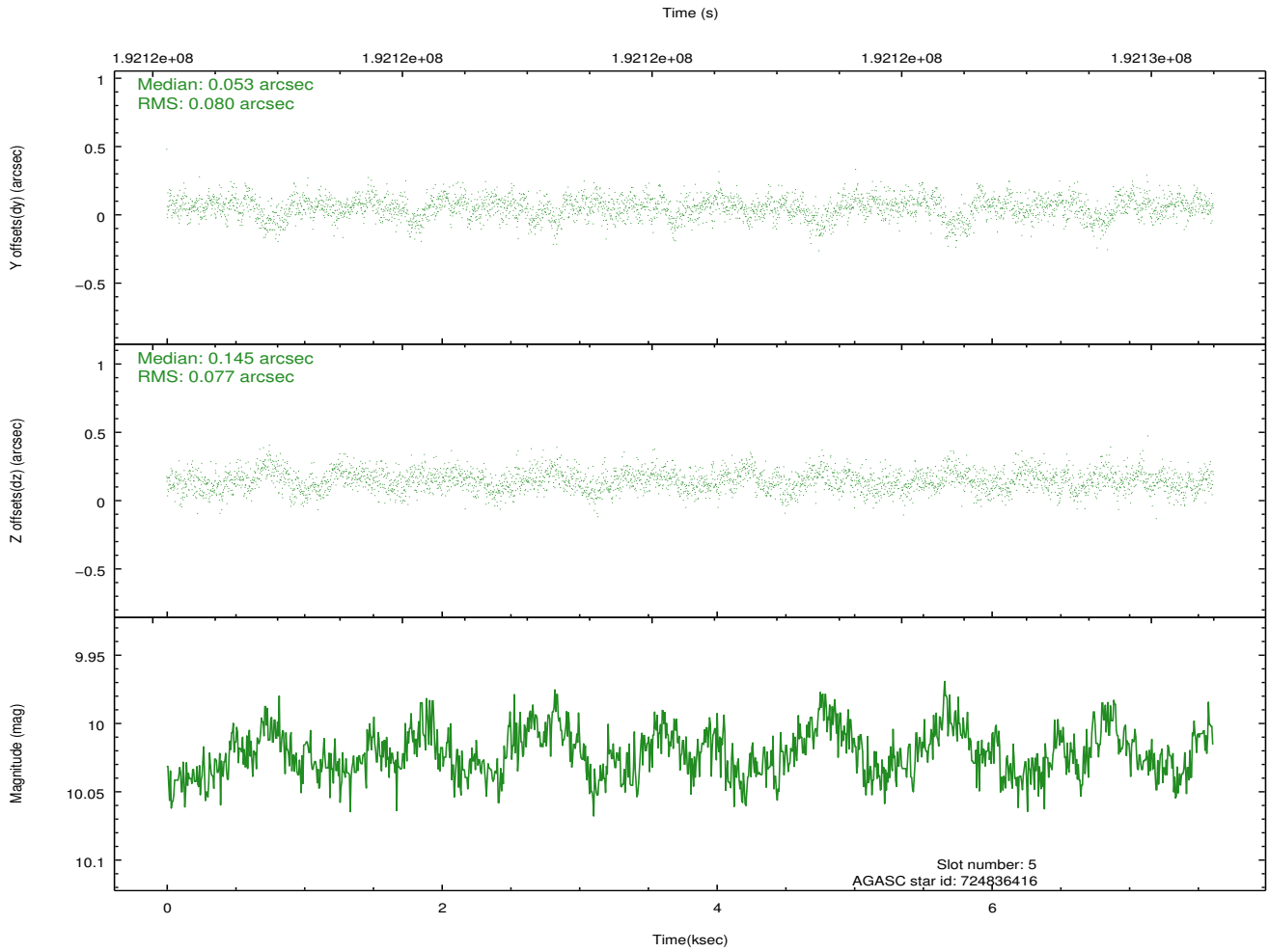
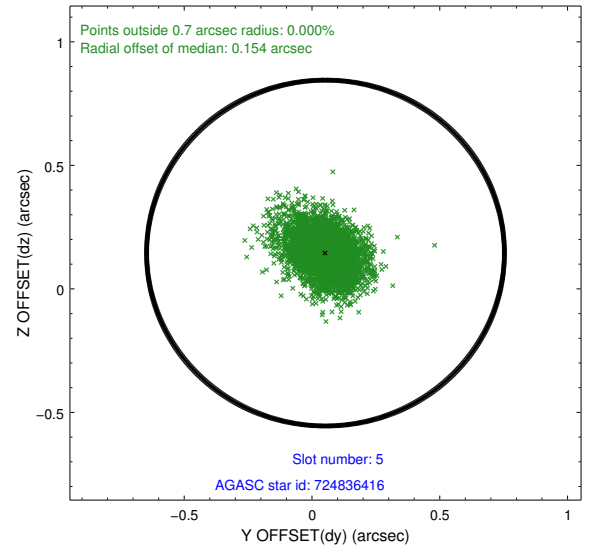
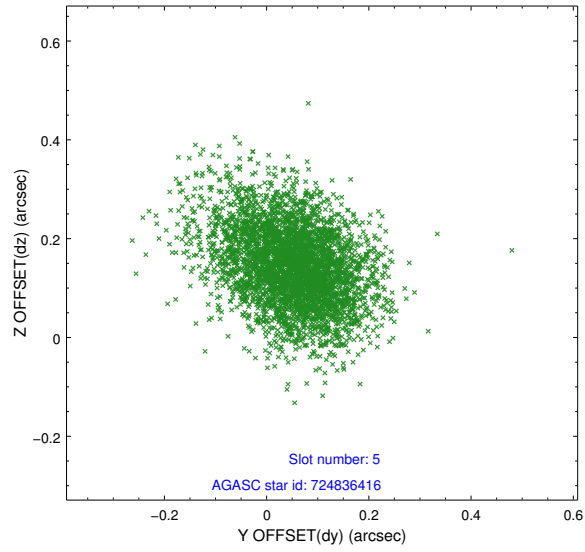
2.4.1 Slot 3



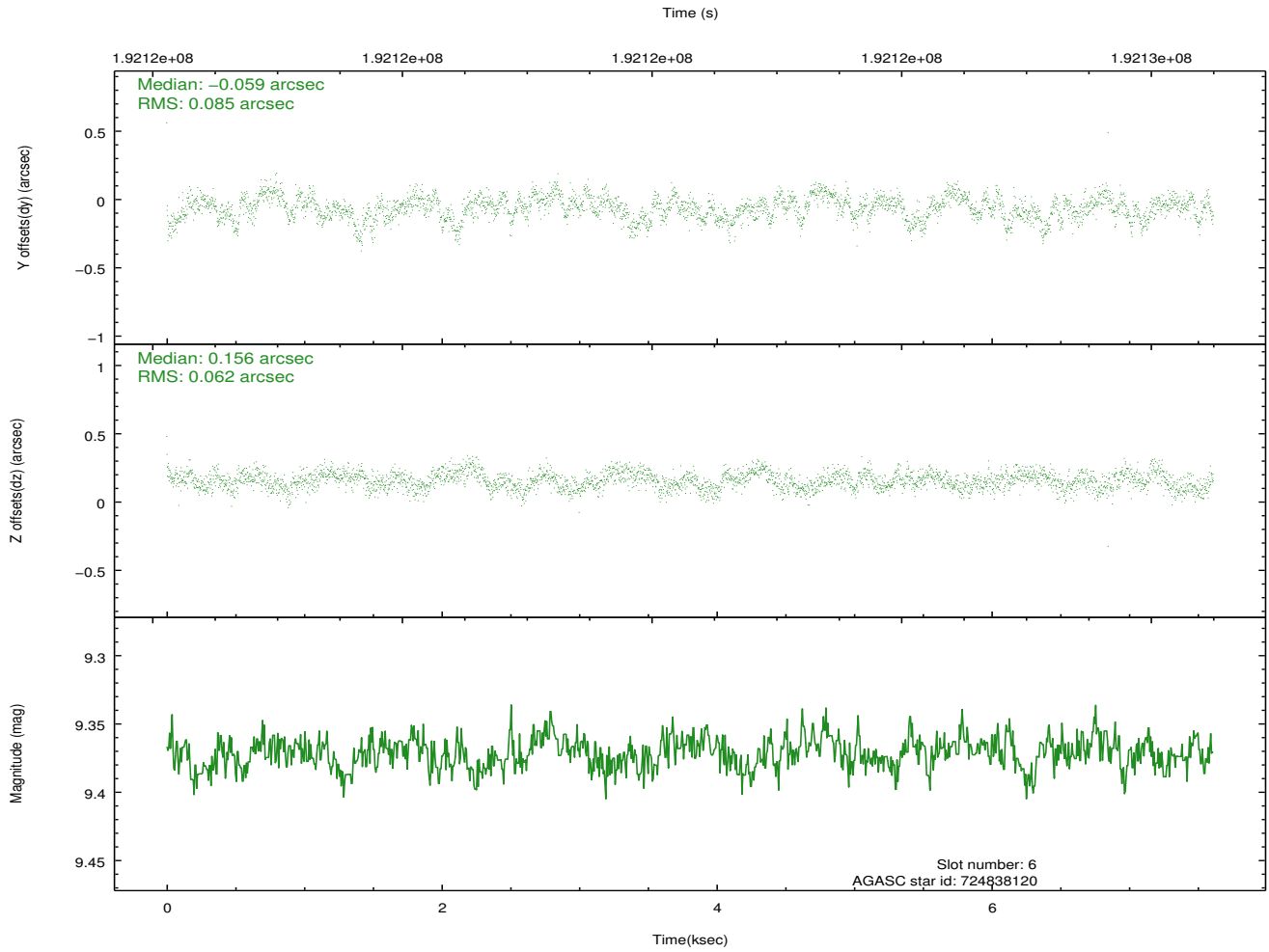
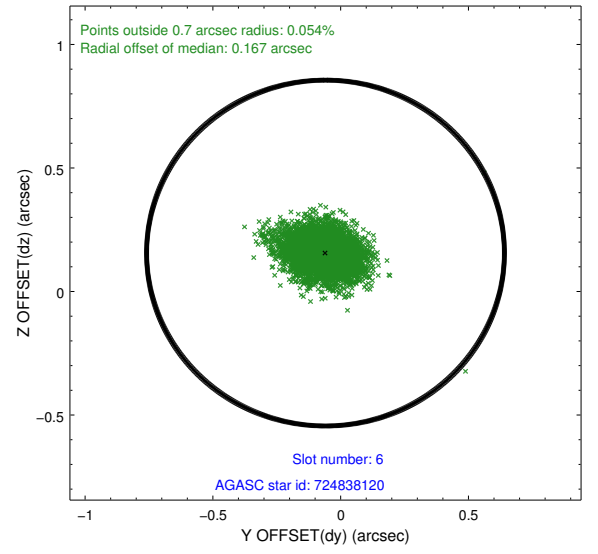
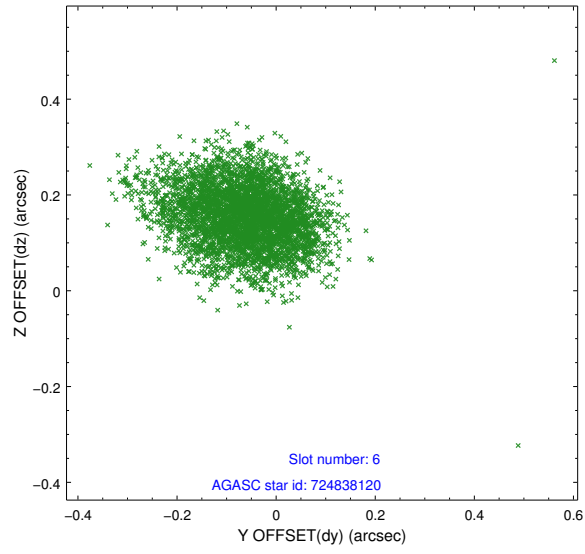
2.4.2 Slot 4



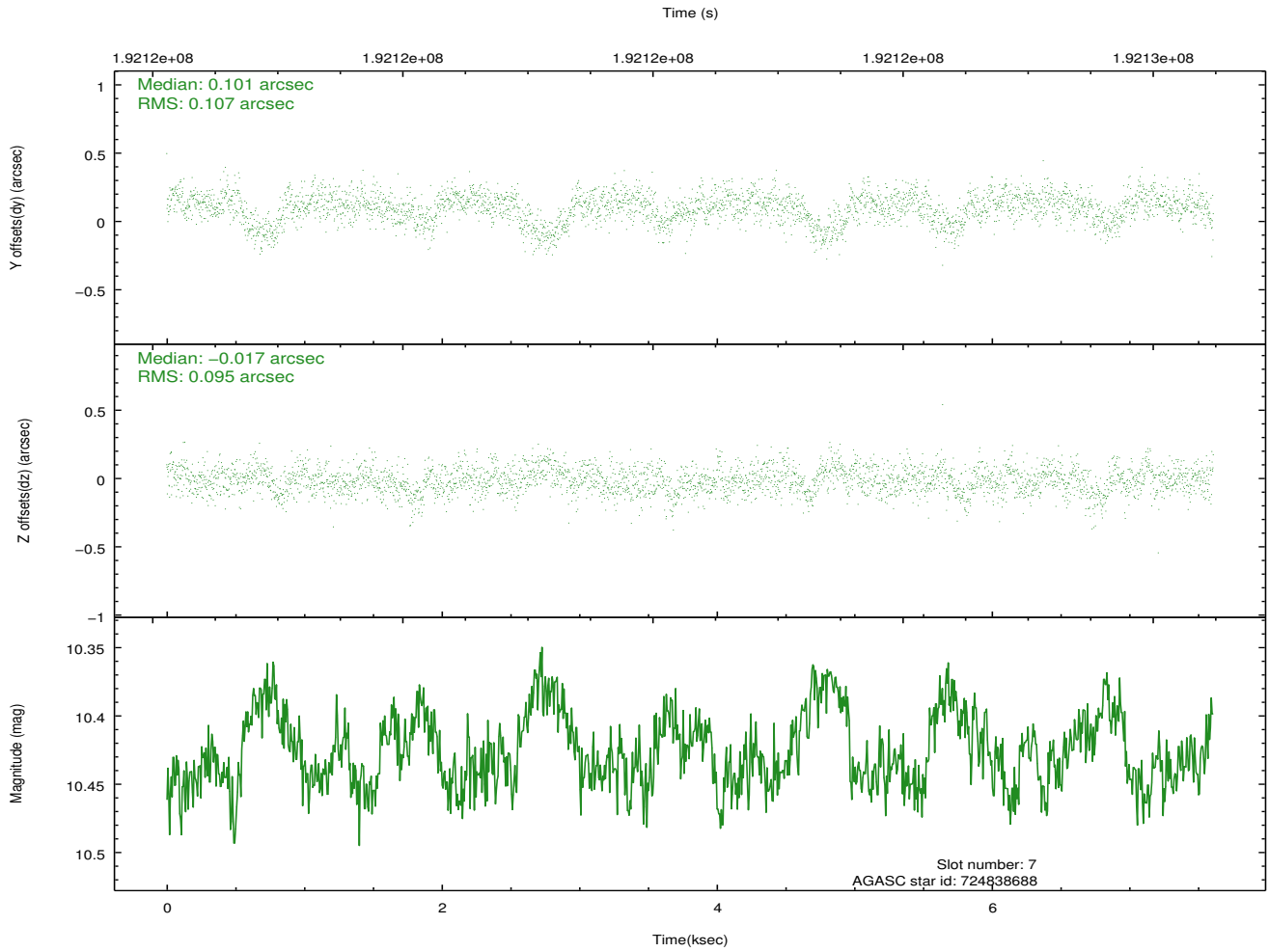
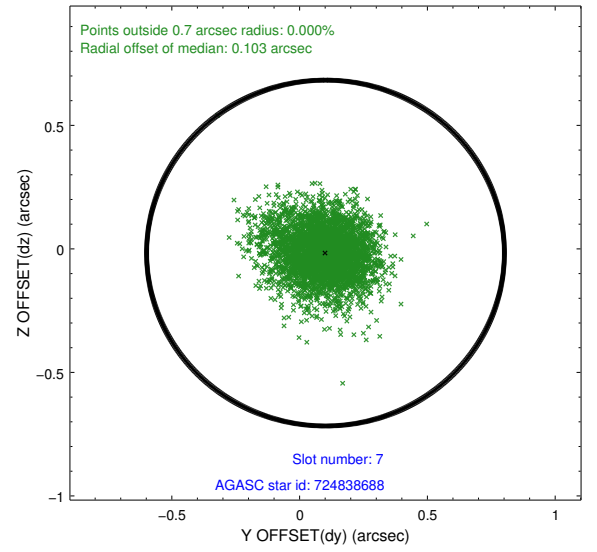
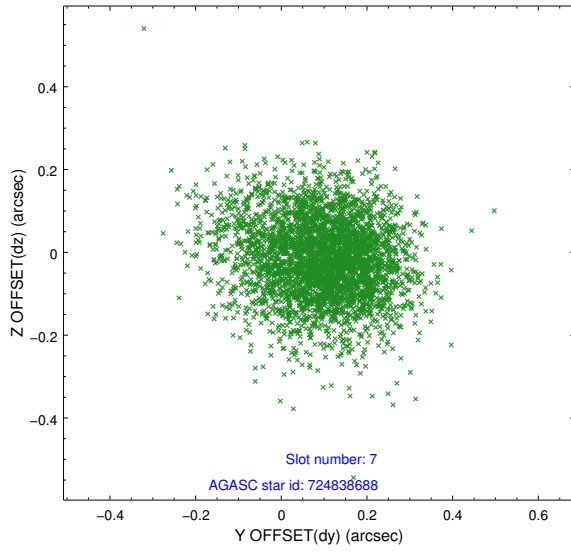
2.4.3 Slot 5



2.4.4 Slot 6

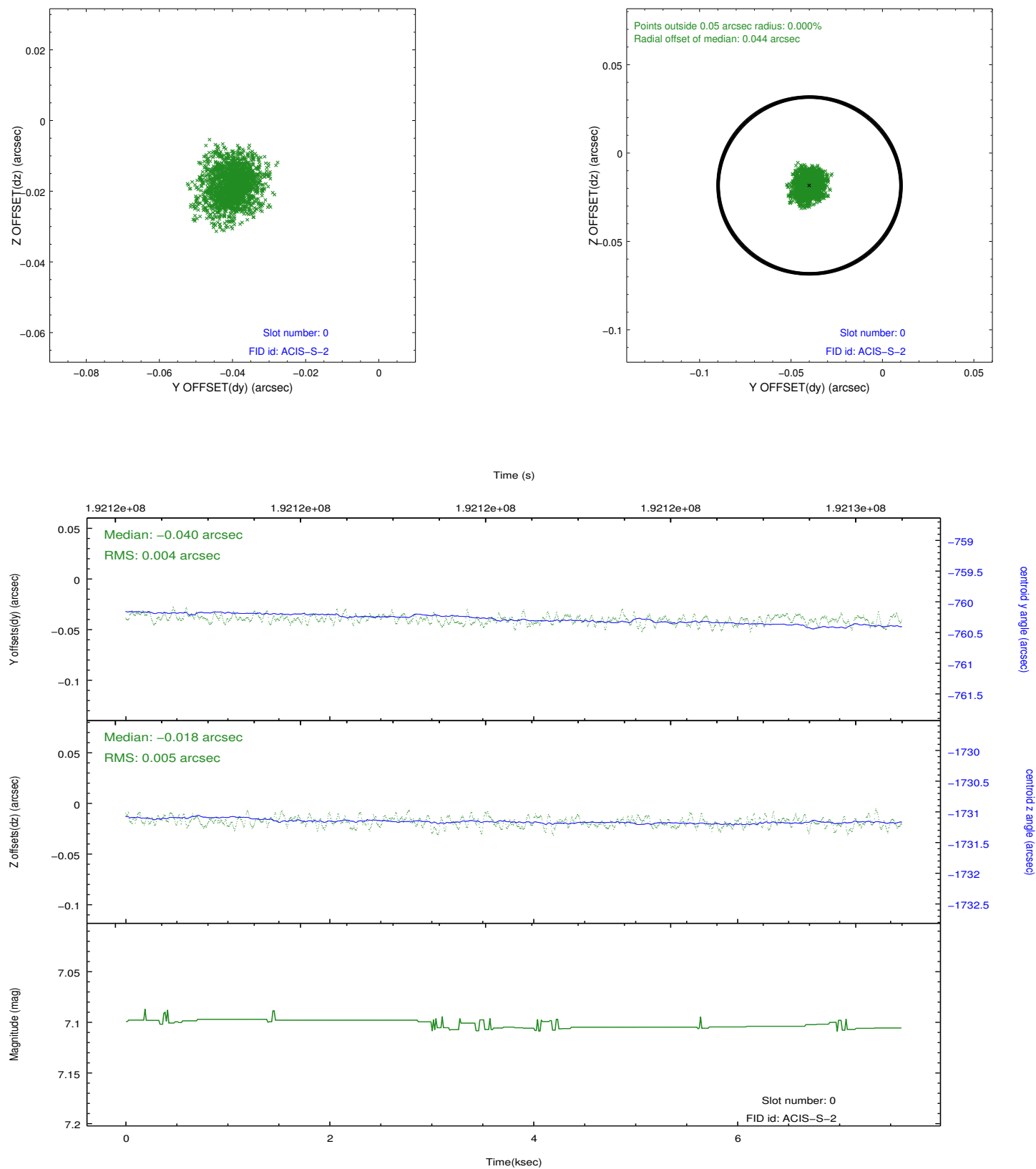


2.4.5 Slot 7

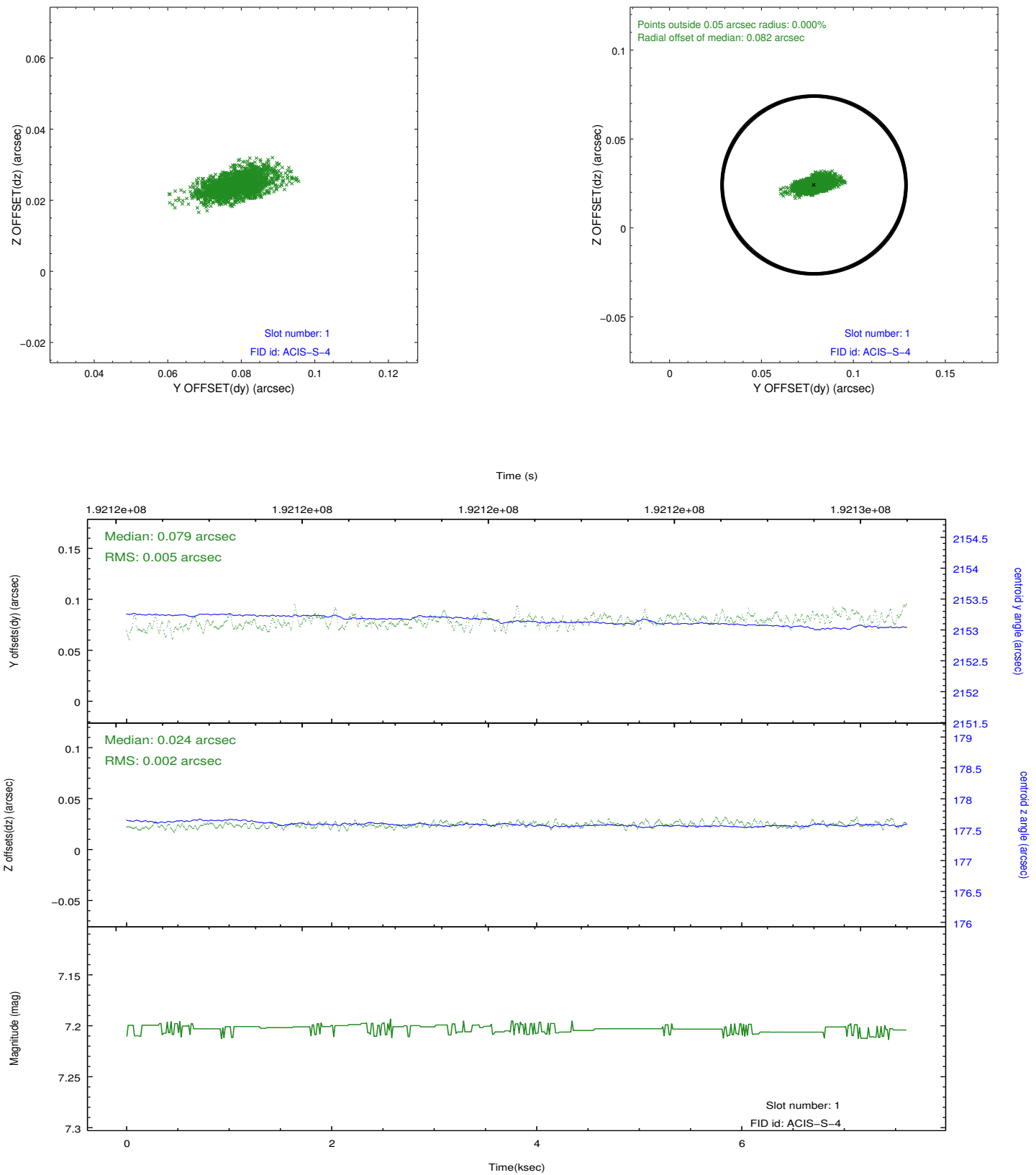


2.5 FID Slots

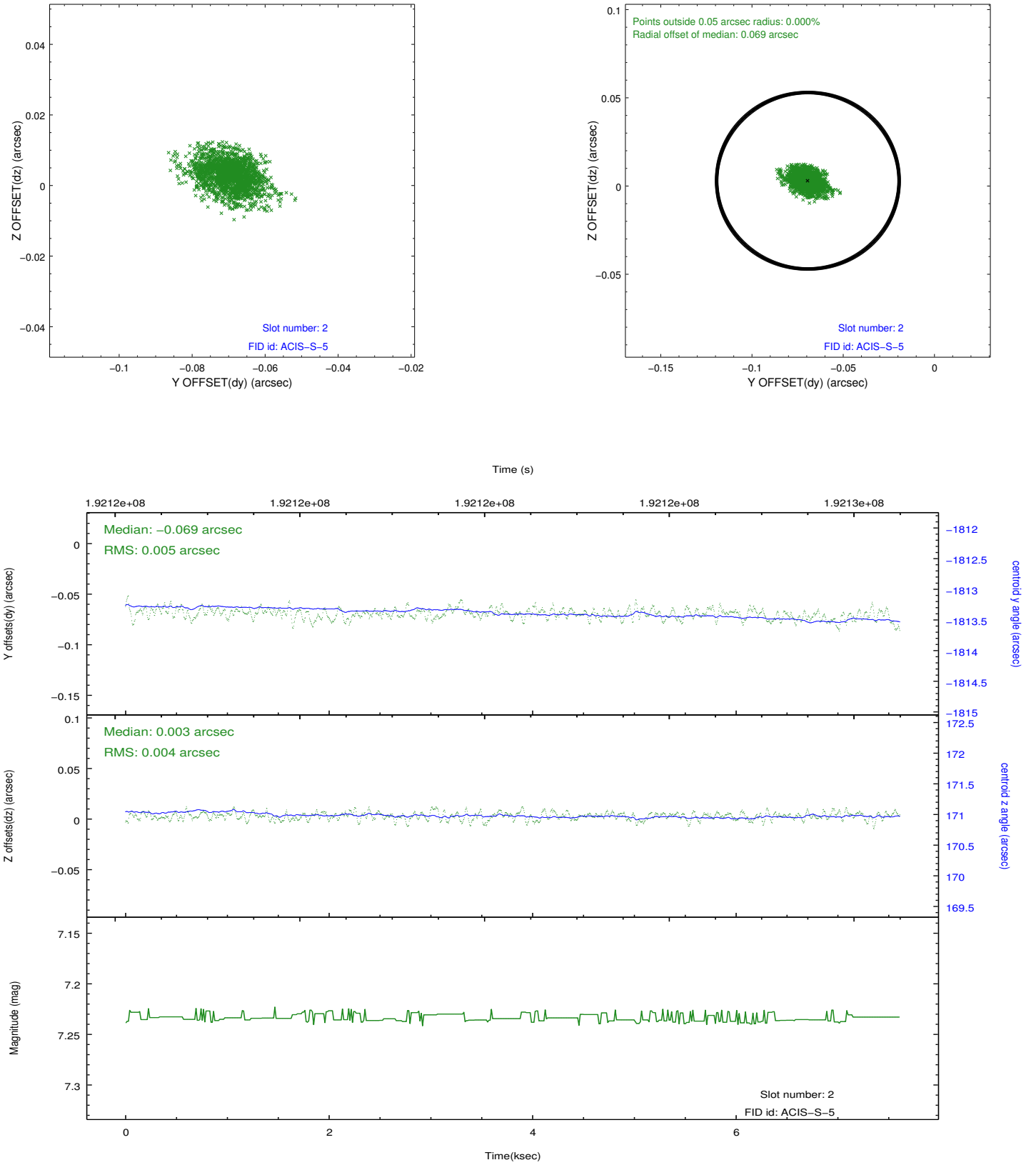
2.5.1 Slot 0



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)	2012.12.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.606

A.2 Comments