

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 8263 - L2 Version 2
Chandra X-Ray Center

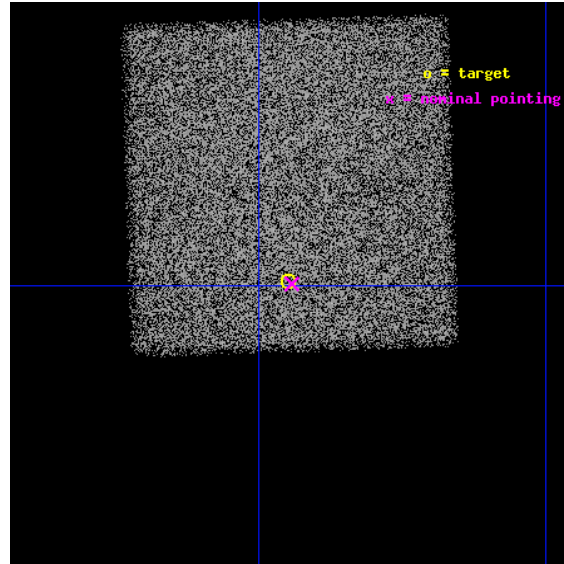
L2 Processing Date : Apr 9 2012

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

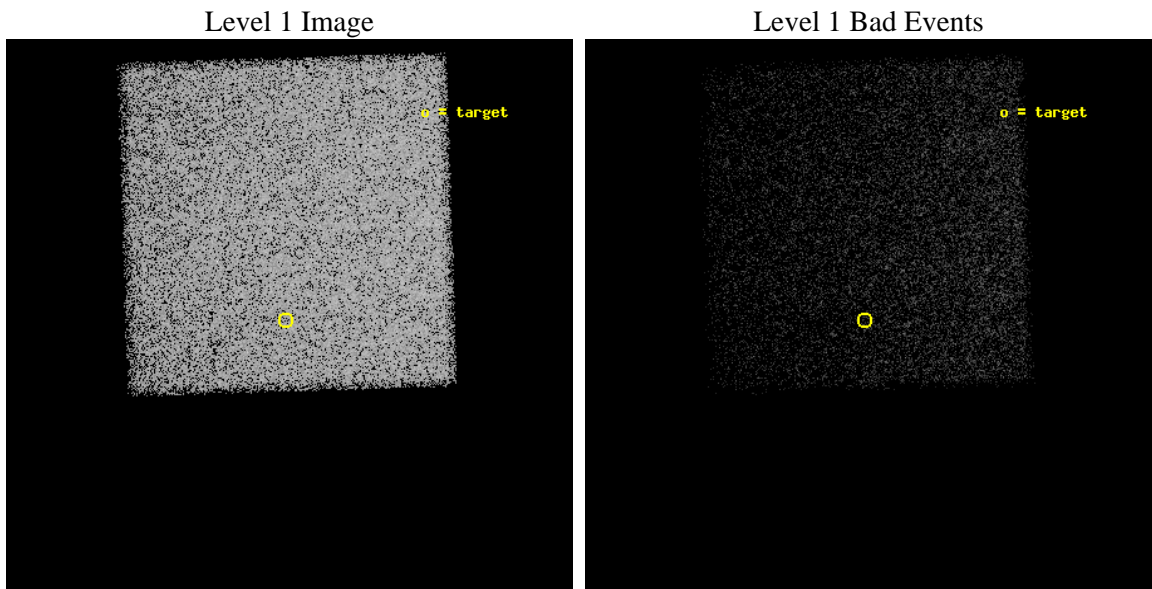
seq_num	400553	Sequence number
obs_id	8263	Observation id
title	The lowest-luminosity quiescent neutron star transient: implications for strong field gravity and the neutron star EoS	Proposal title
observer	dr Peter Jonker	Principal investigator
object	1H 1905+000	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	287.1125	Observer's specified target RA [deg]
dec_targ	0.168889	Observer's specified target Dec [deg]
ra_nom	287.11077985479	Nominal RA [deg]
dec_nom	0.1676842053041	Nominal Dec [deg]
roll_nom	268.15663843536	Nominal Roll [deg]
revision	2	Processing version of data
ontime	9968.9589996934	Sum of GTIs [s]
liveltime	9834.4240783023	Livetime [s]
ontime7	9968.9589996934	Sum of GTIs [s]
l2events	64980	Number of level 2 events



2 OBI

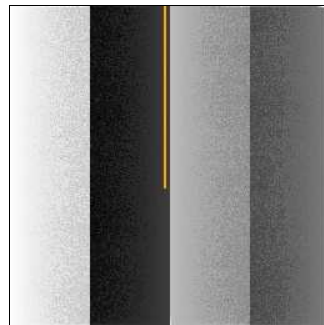
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	9844.637000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	9968.9589996934	Sum of GTIs [s]
caldbver	4.4.9	 	ontime7	9968.9589996934	Sum of GTIs [s]
date	2012-04-09T17:03:52	Date and time of file creation	l1events	137020	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

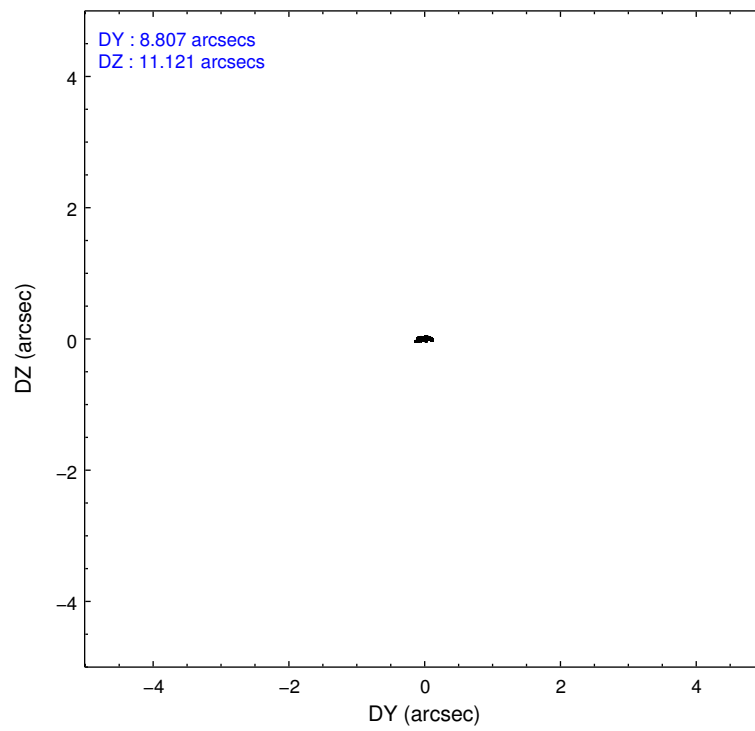
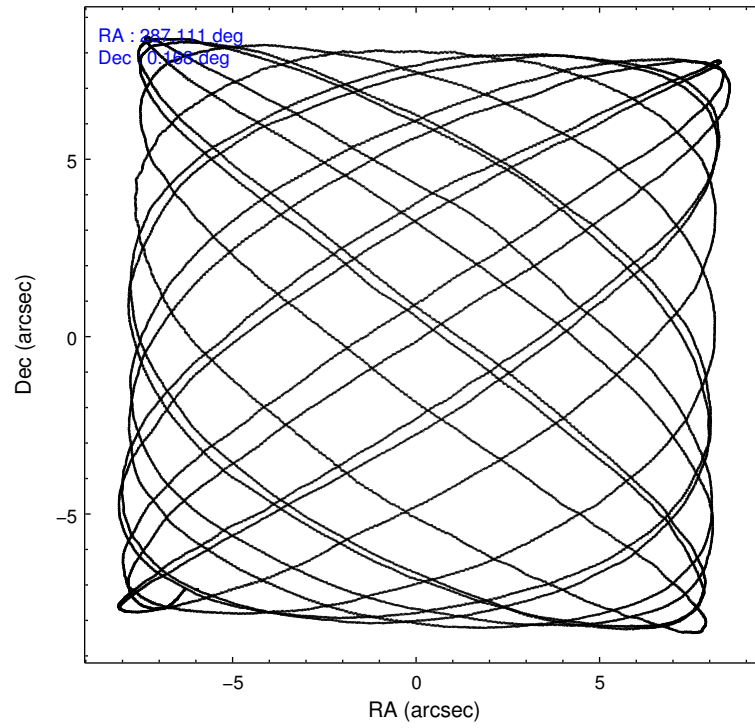
	ccd 7
level 1 events	137020
rejected events	70637
rejected %	51%

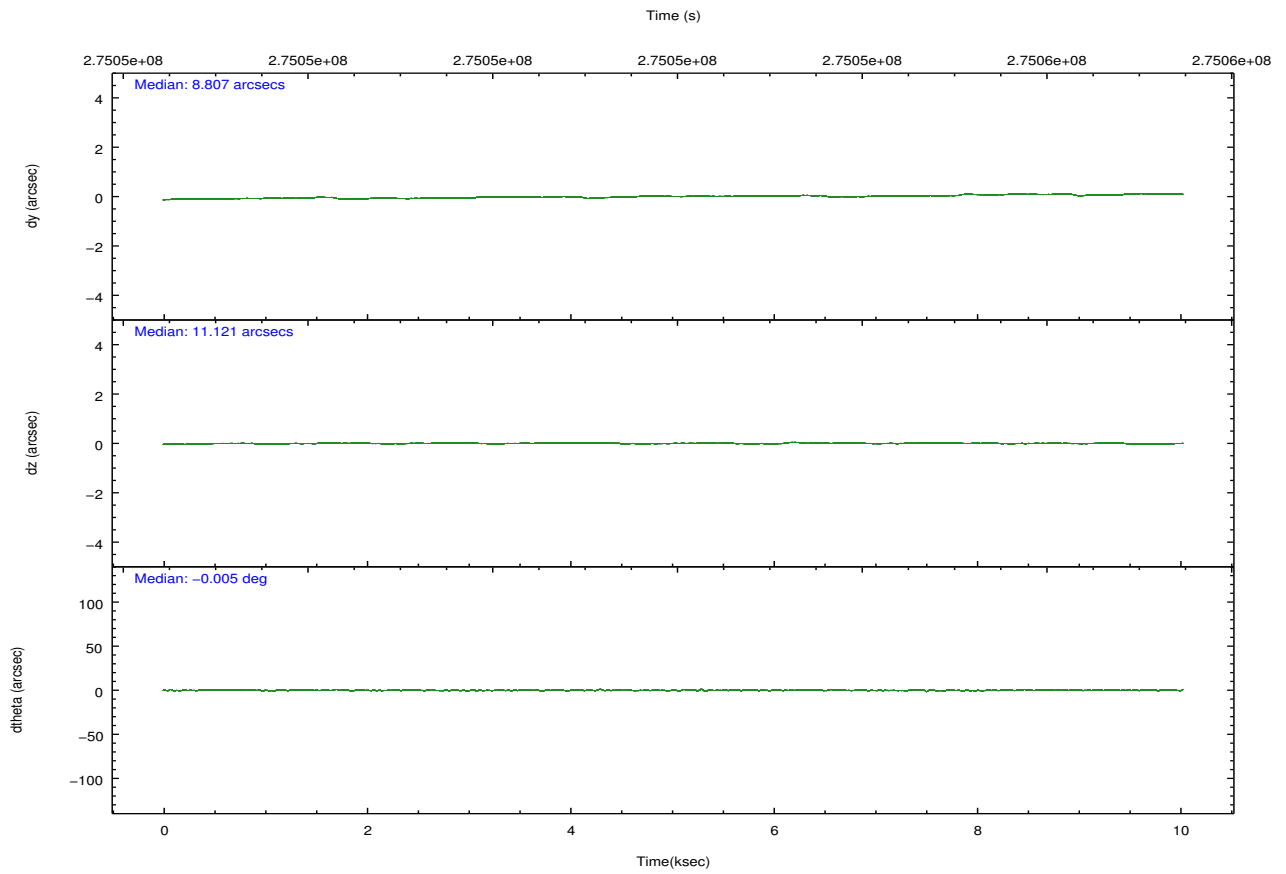
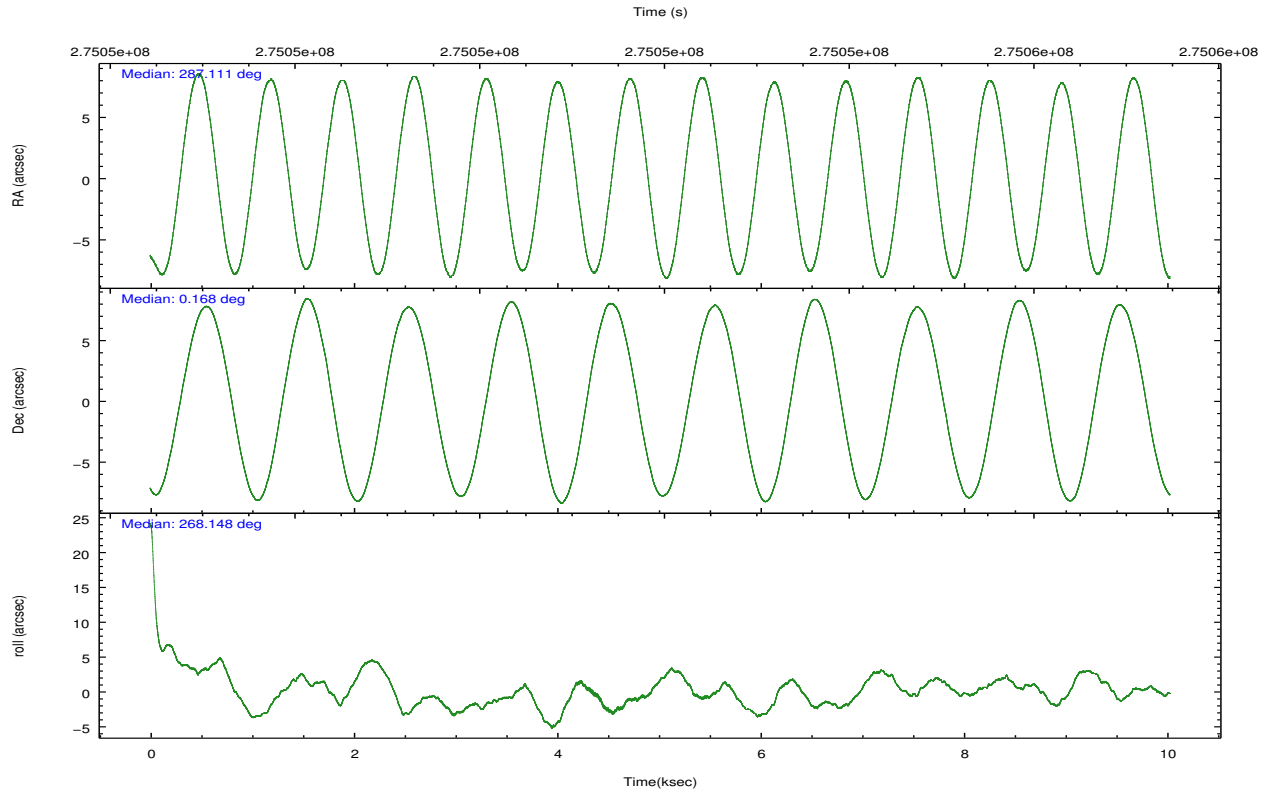
	ccd 7
grade 0 events	6218
	4%
grade 1 events	117
	0%
grade 2 events	12818
	9%
grade 3 events	5434
	3%
grade 4 events	5411
	3%
grade 5 events	11427
	8%
grade 6 events	36547
	26%
grade 7 events	59048
	43%

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	287.097614	287.1107798547874	Subarray requested	NONE	NONE
[deg] Pointing Dec	0.191529	0.167684205304104	Alternating exposures requested	N	N
[deg] Pointing Roll	268.000047	268.1566384353567	[s] Primary exposure time	0.000000	3
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.145094680475			
[mm] SIM translation stage offset	0	0.01257209746719923			
[s] Observation start time (MET)	275047120.184000	275046416.97004			
Observation start date	2006-09-19T09:57:35	2006-09-19T09:46:56			
[s] Observation end time (MET)	275056965.184000	275057189.72054			
Observation end date	2006-09-19T12:41:40	2006-09-19T12:46:29			
Read mode	TIMED	TIMED			

2.3 Aspect



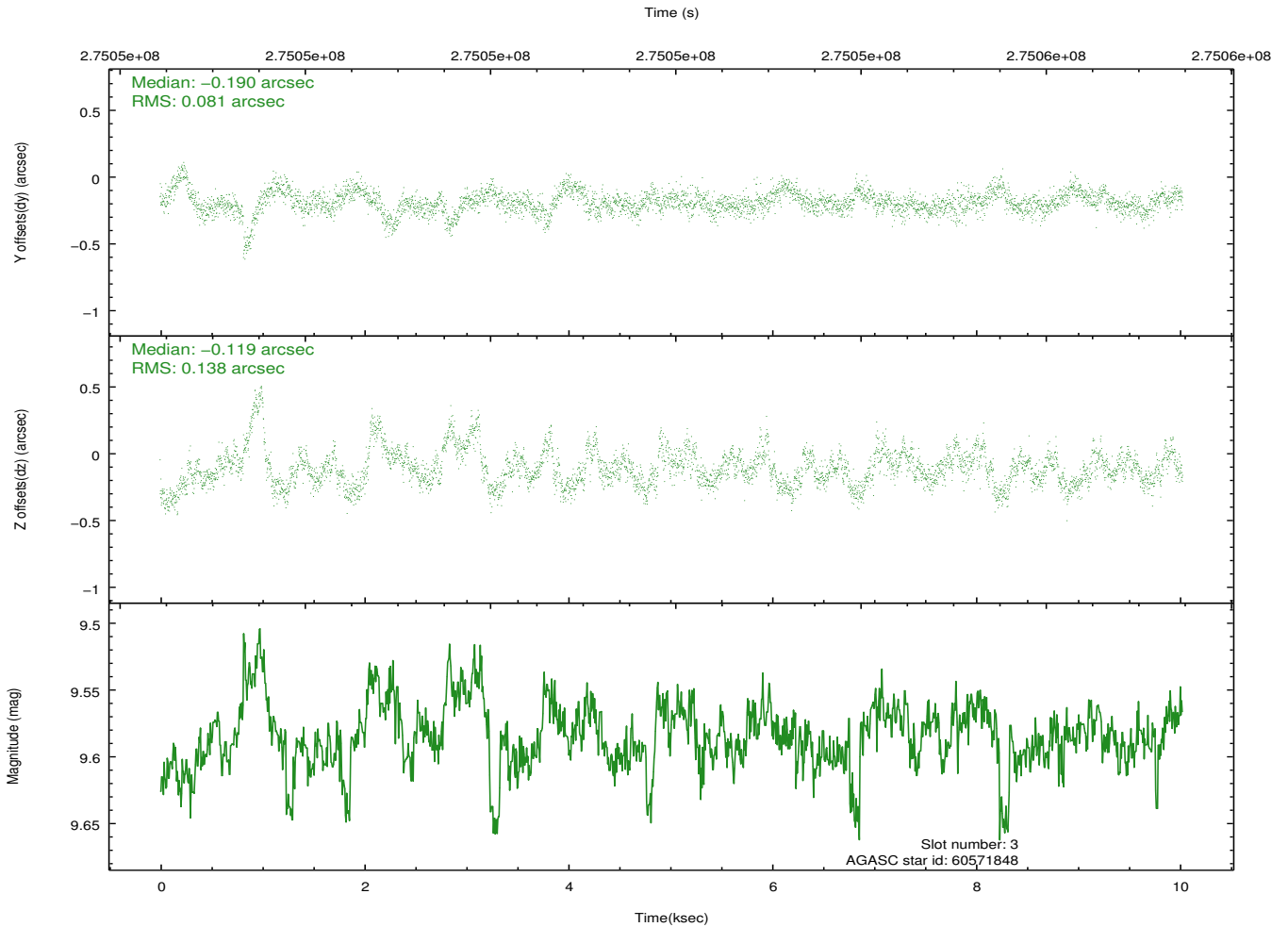
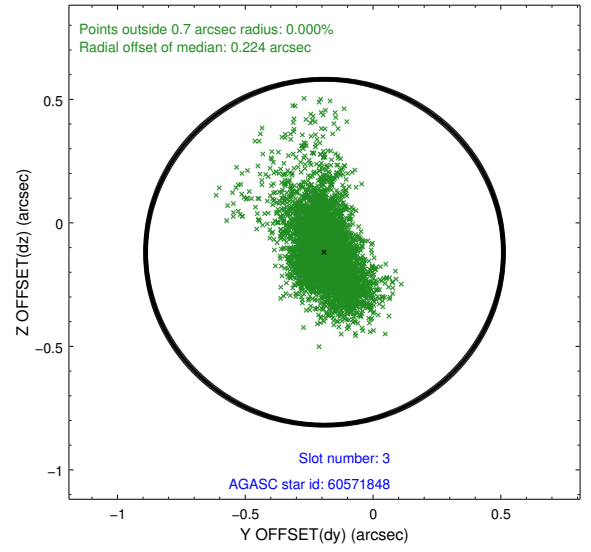
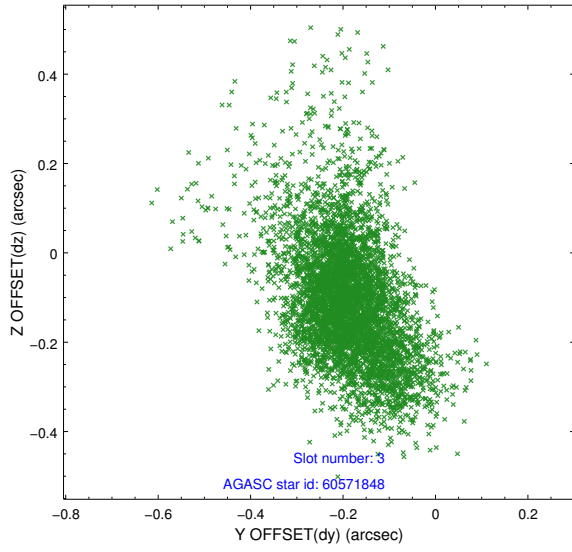


Slot Statistics

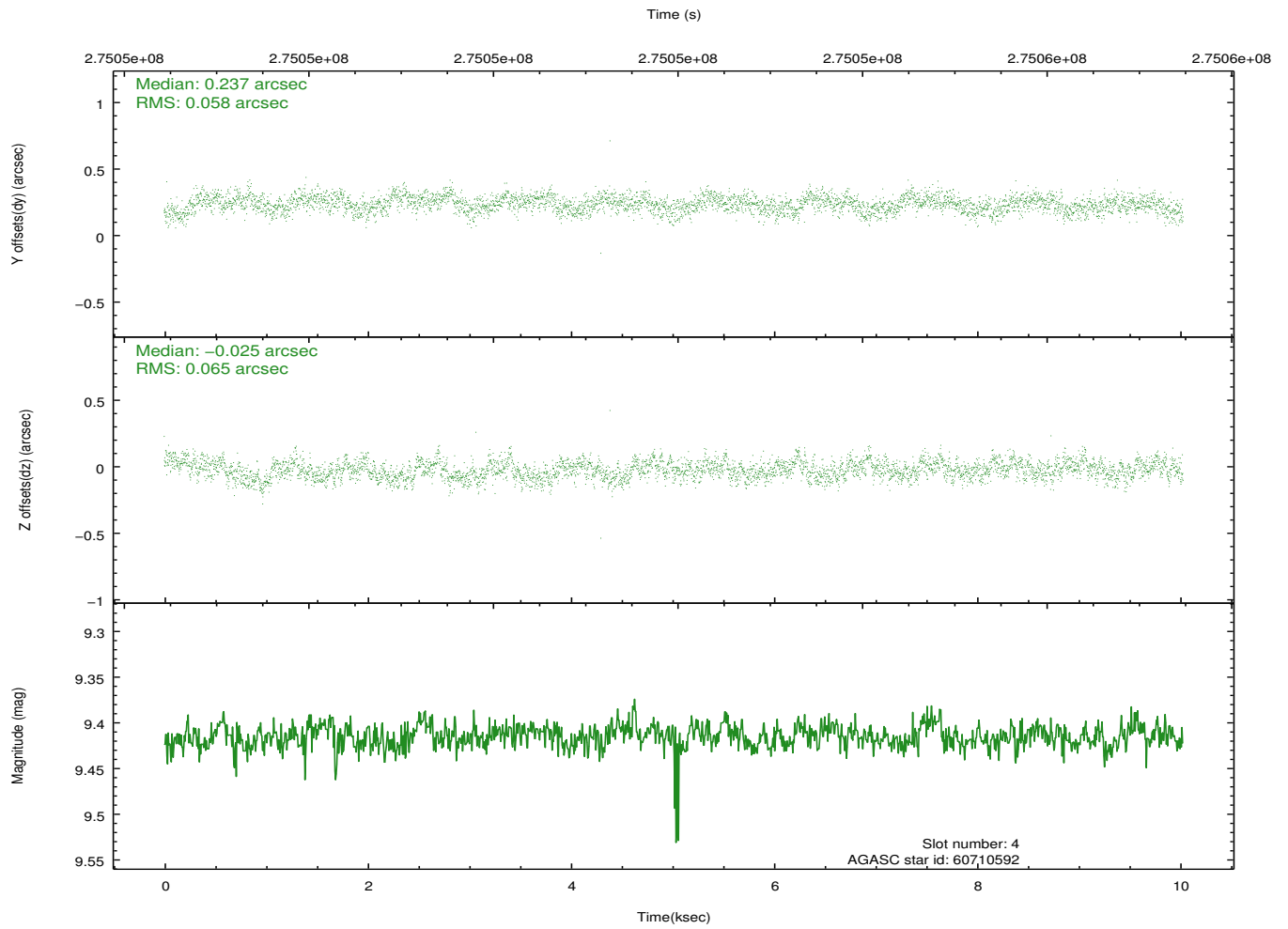
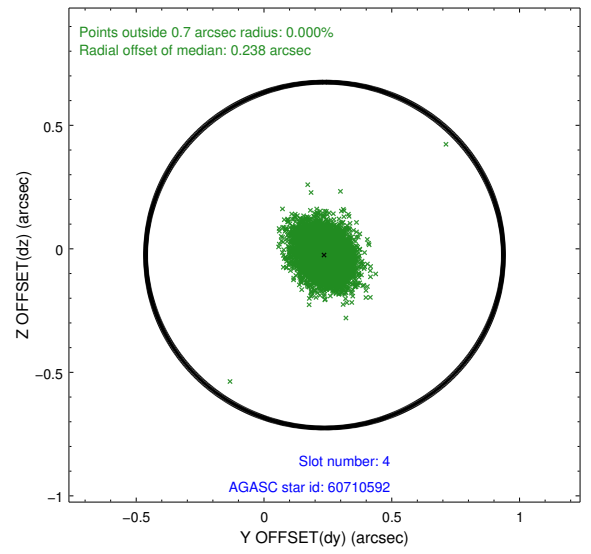
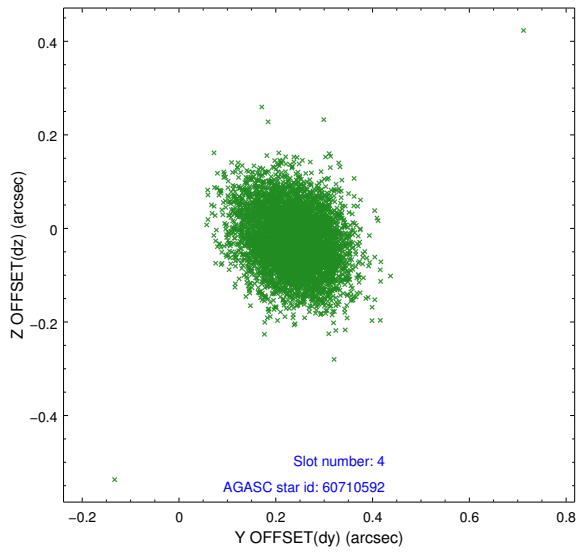
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	2443	-0.043	-0.023	0.007	0.011	0.000000	0.000000	-761.61	-1732.33
1	FID	ACIS-S-4	7.21	2443	0.158	0.027	0.006	0.012	0.000000	0.000000	2151.59	175.71
2	FID	ACIS-S-5	7.23	2446	-0.147	0.005	0.007	0.012	0.000000	0.000000	-1813.92	169.88
3	GUIDE	60571848	9.58	4876	-0.190	-0.119	0.154	0.300	286.580175	0.131372	281.82	-1854.19
4	GUIDE	60710592	9.41	4885	0.237	-0.025	0.093	0.148	287.035703	0.265770	-258.60	-232.48
5	GUIDE	672270944	6.82	4890	0.004	0.044	0.075	0.128	287.464983	-0.428115	2183.34	1399.92
6	GUIDE	672276928	8.47	4891	-0.027	0.058	0.064	0.105	287.532809	-0.439826	2217.34	1645.74
7	GUIDE	672281216	9.30	4886	-0.031	0.035	0.101	0.163	287.454836	-0.067927	889.13	1318.27

2.4 Star Slots

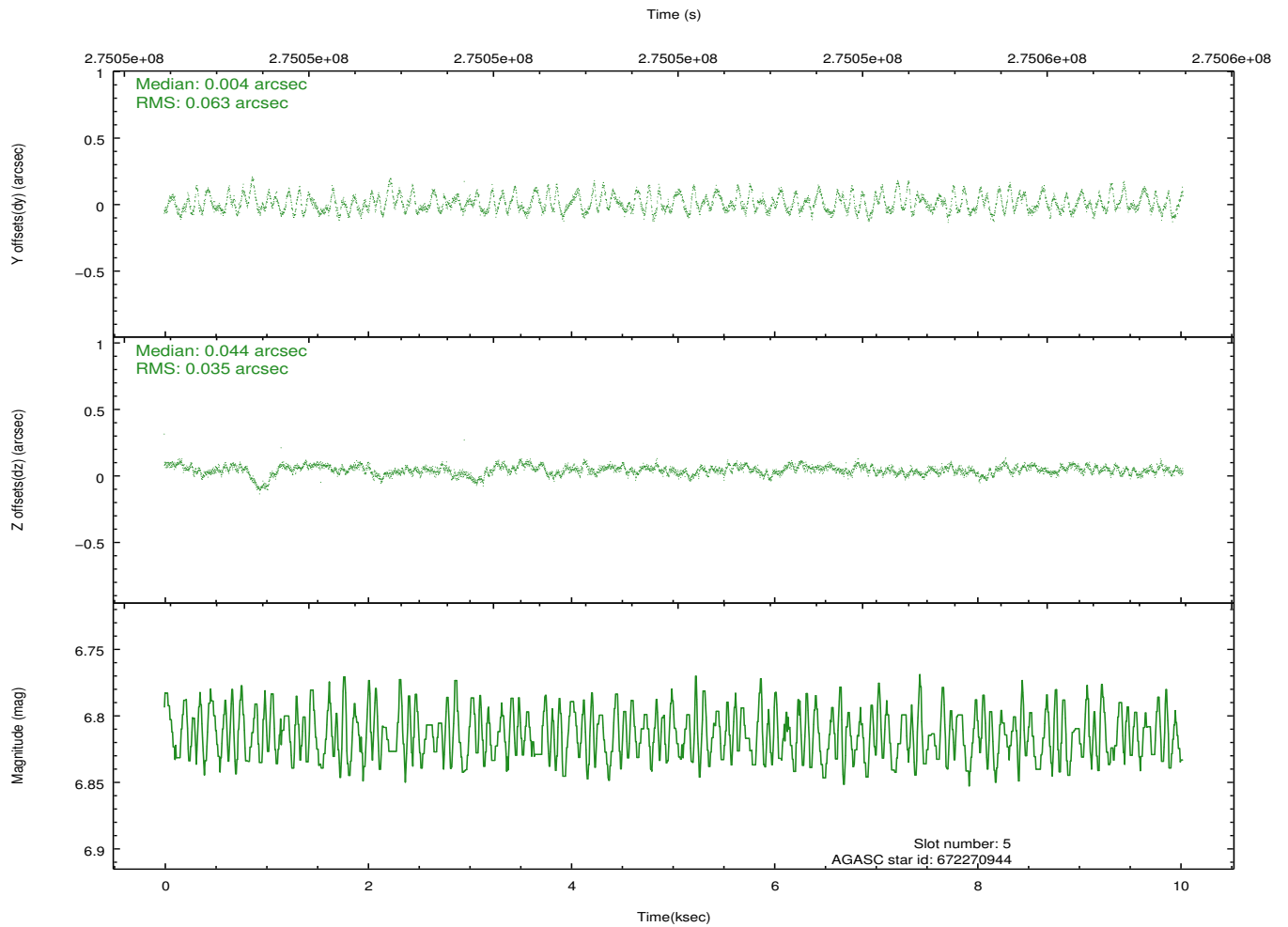
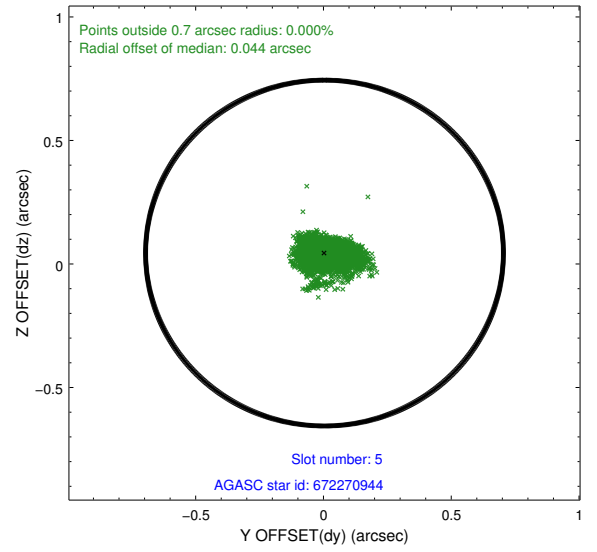
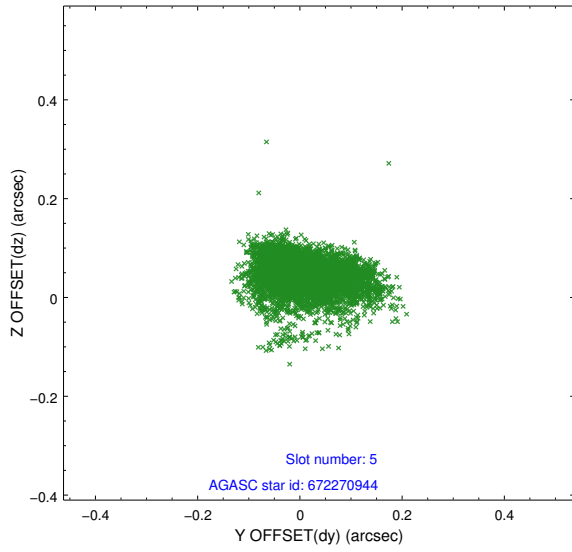
2.4.1 Slot 3



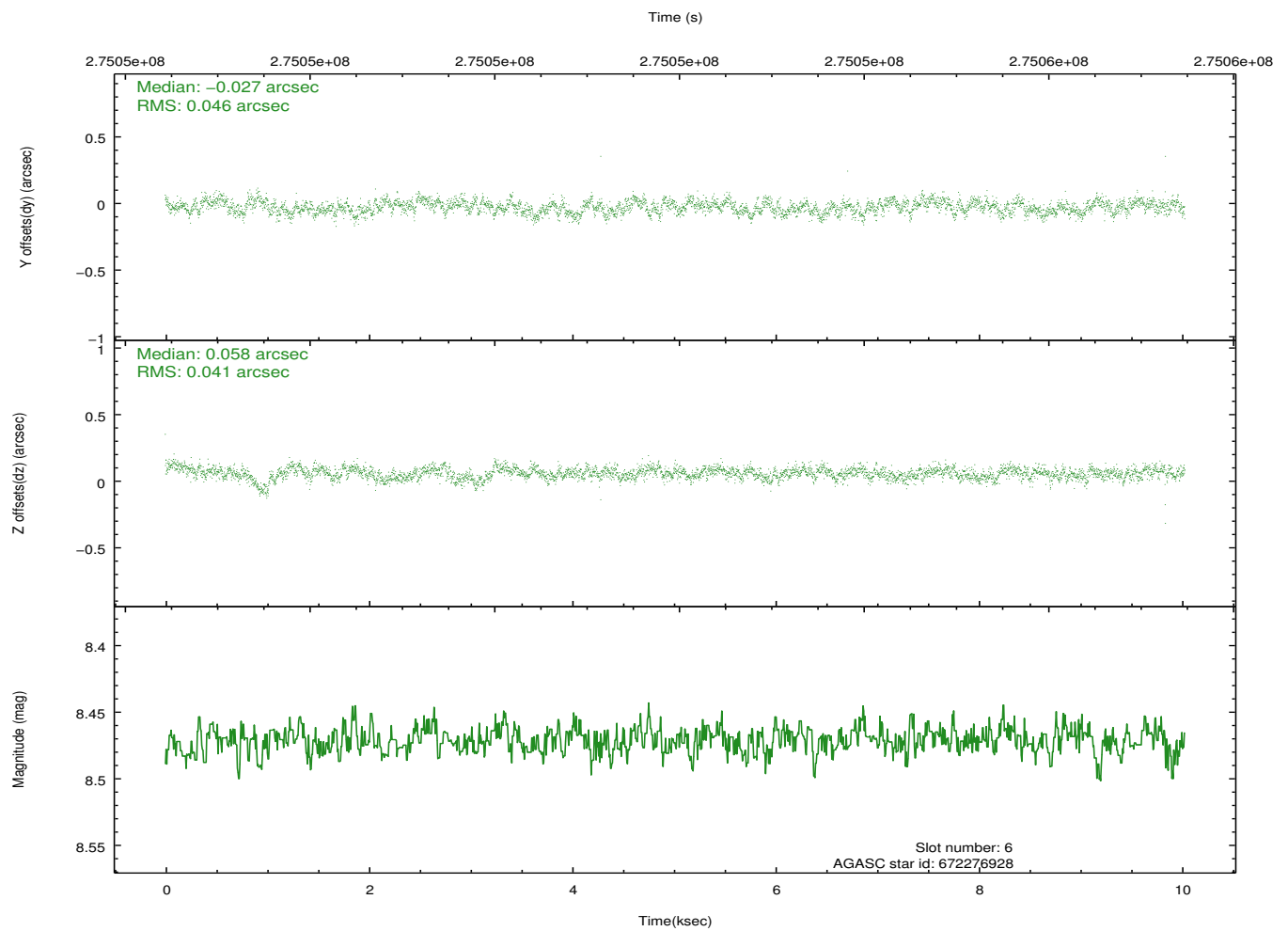
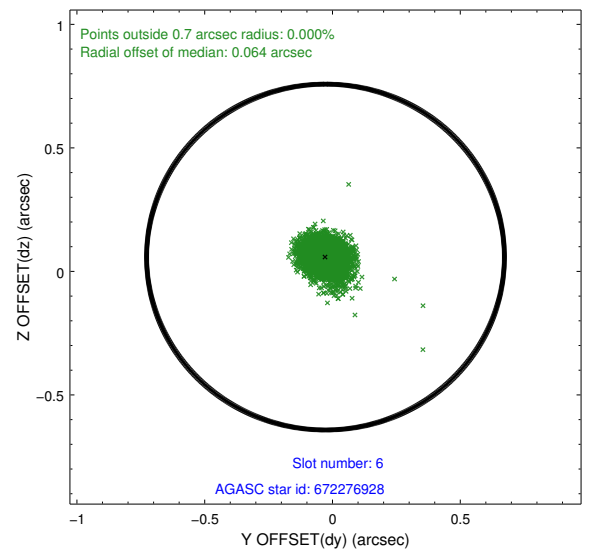
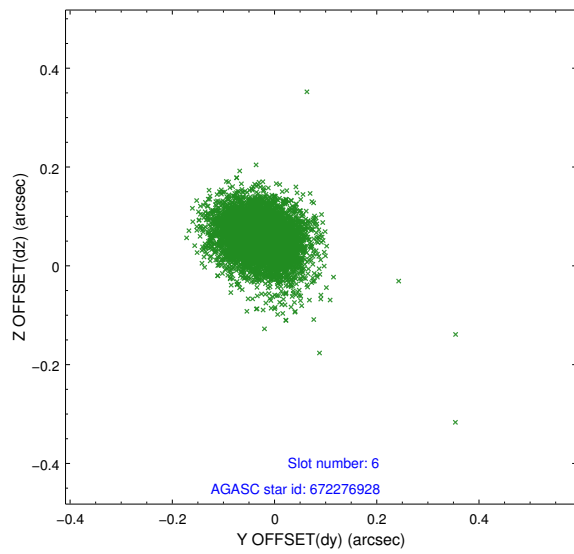
2.4.2 Slot 4



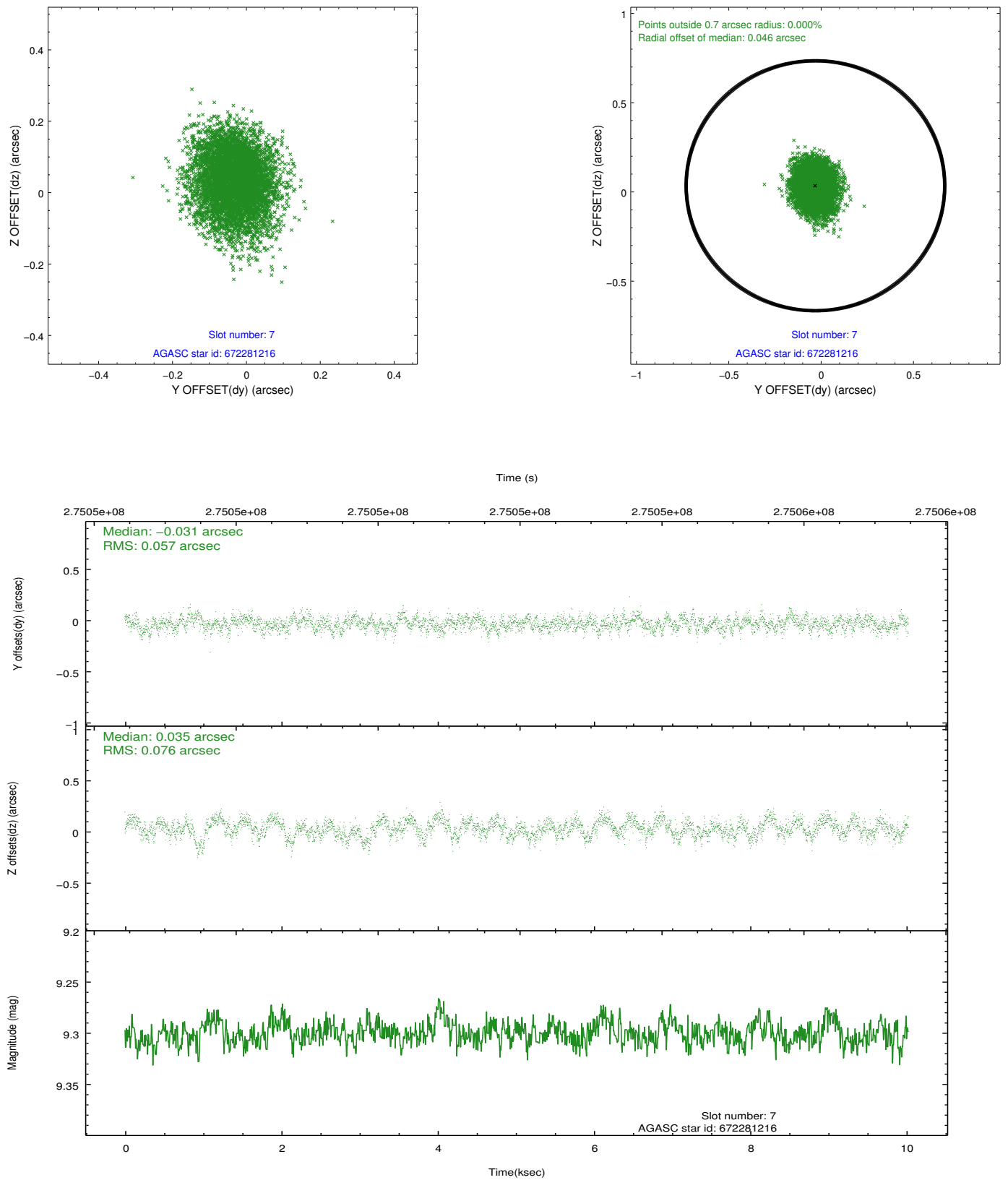
2.4.3 Slot 5



2.4.4 Slot 6

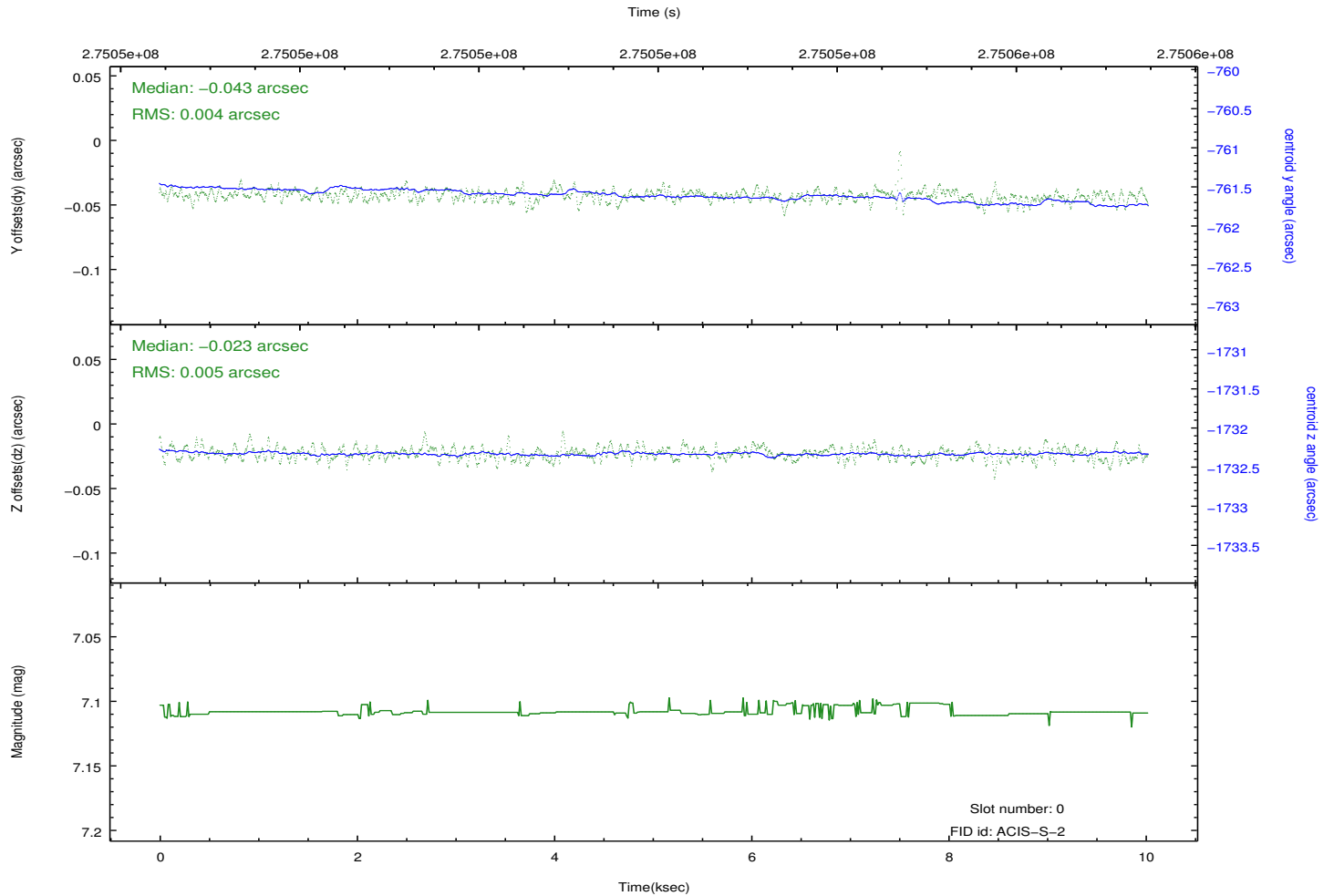
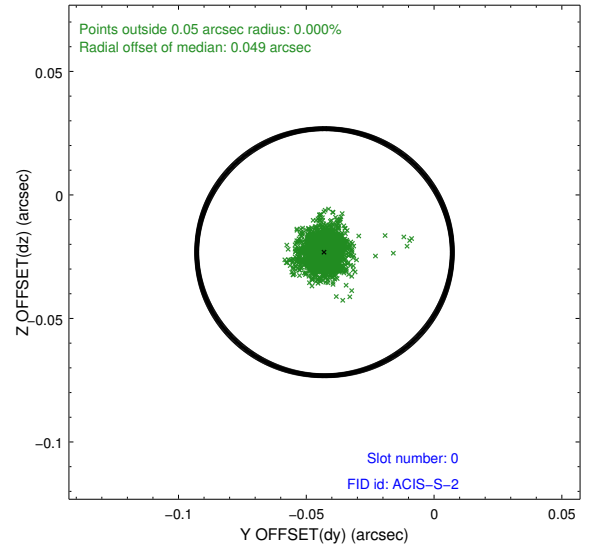
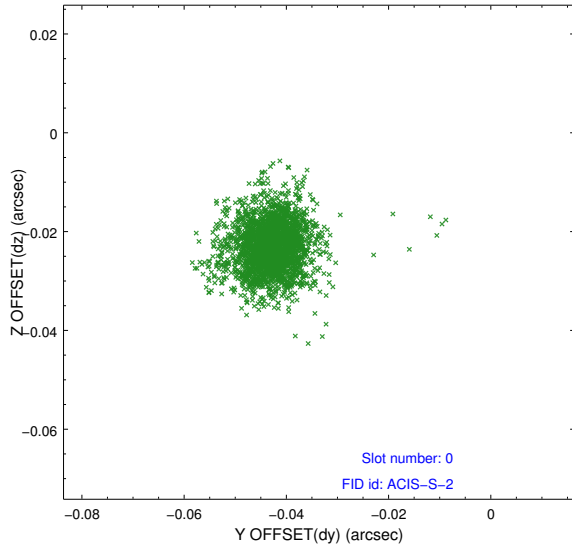


2.4.5 Slot 7

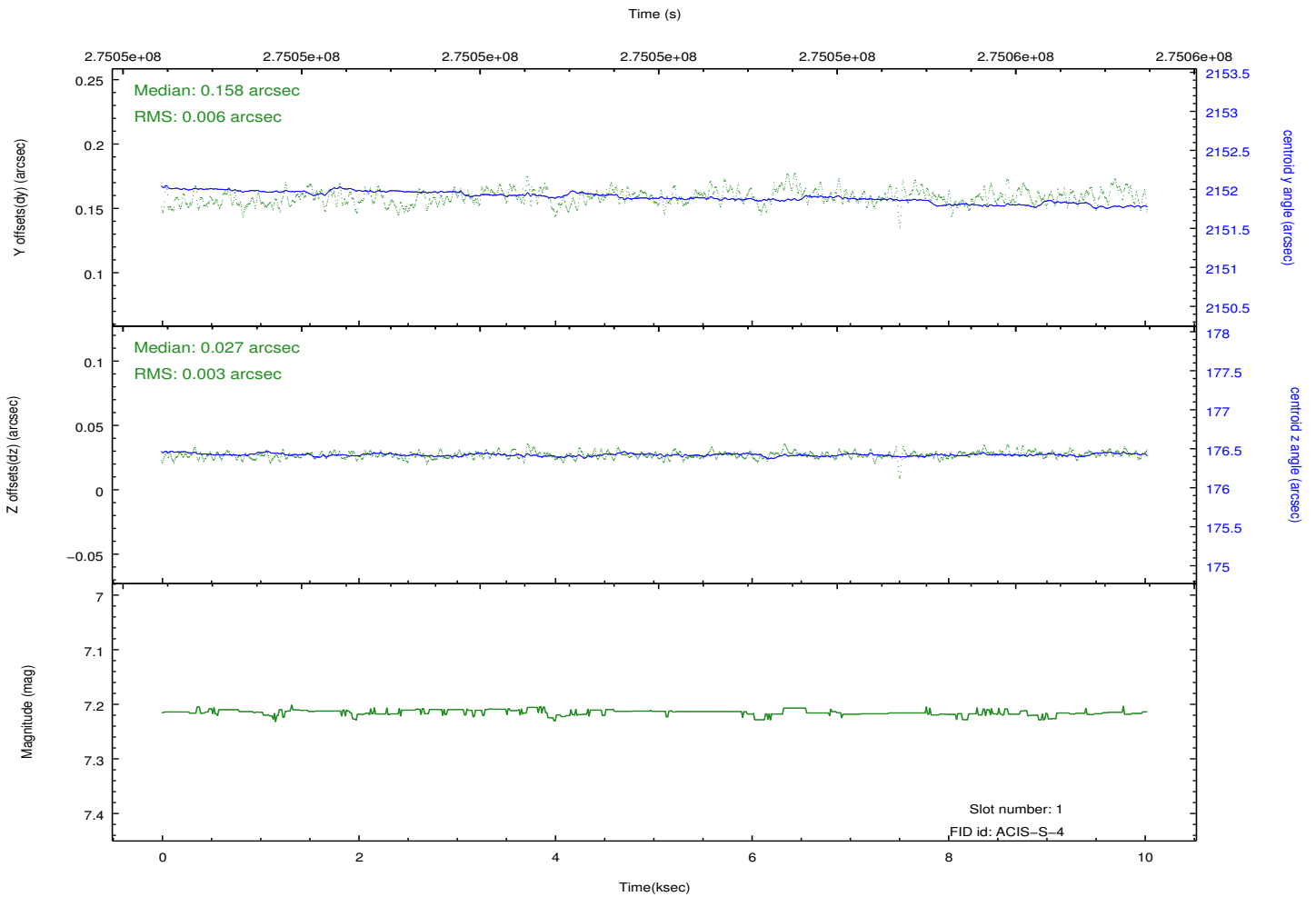
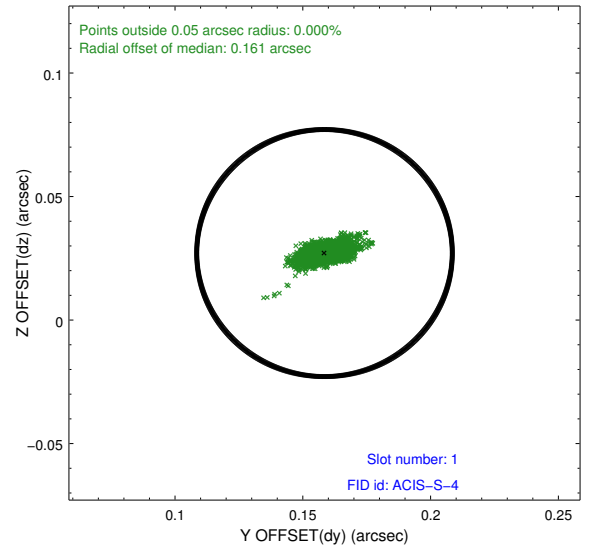
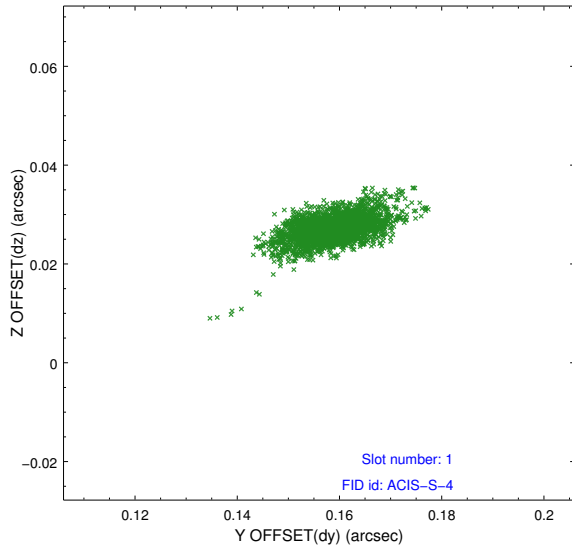


2.5 FID Slots

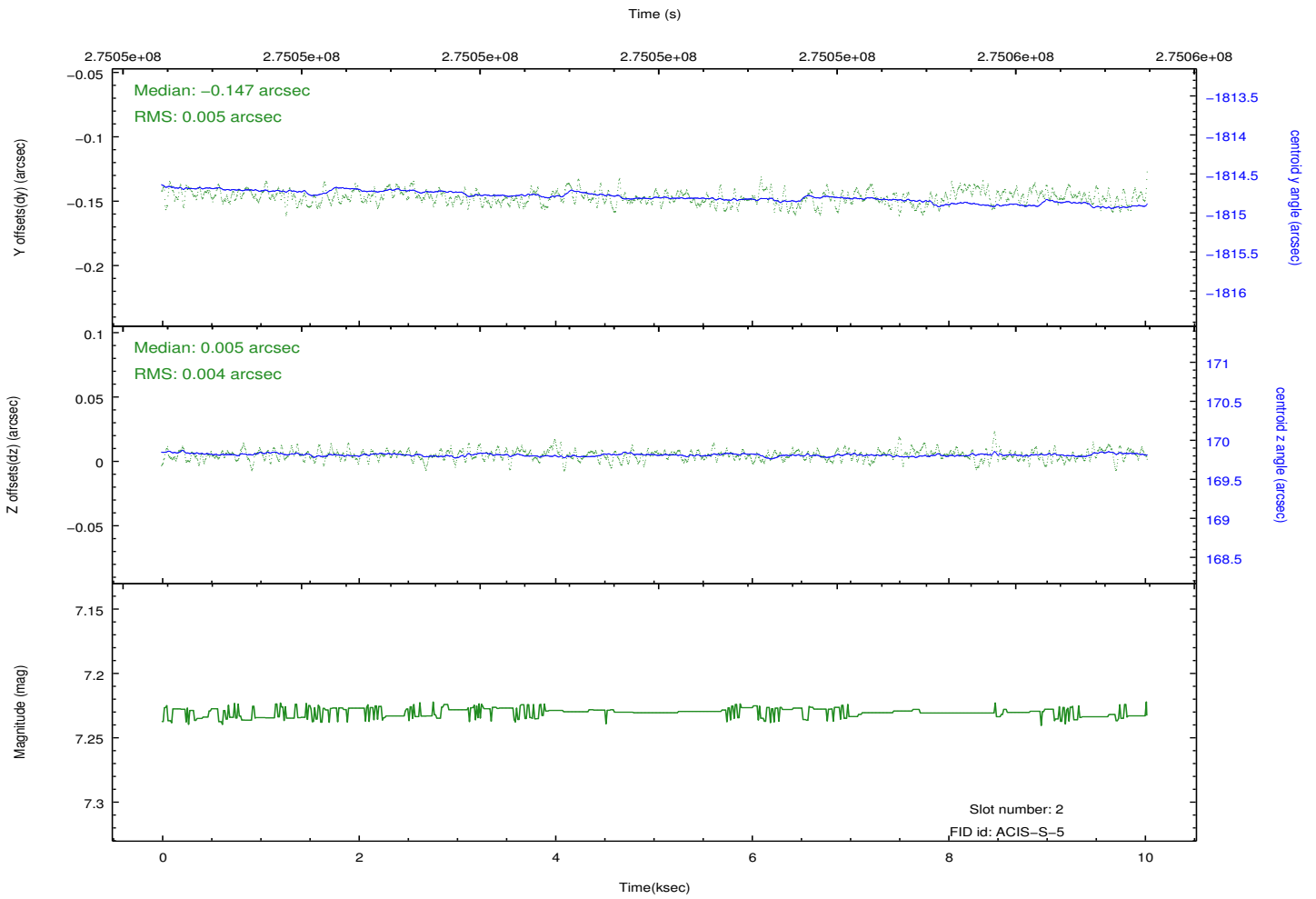
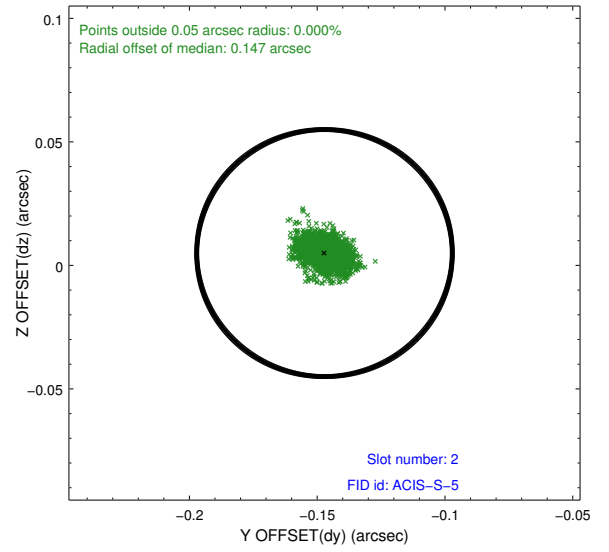
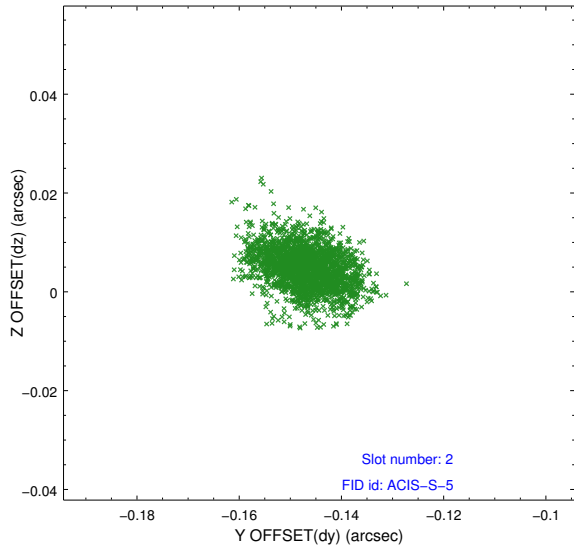
2.5.1 Slot 0



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	9.96895899

A.2 Comments