

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3894 - L2 Version 3
Chandra X-Ray Center

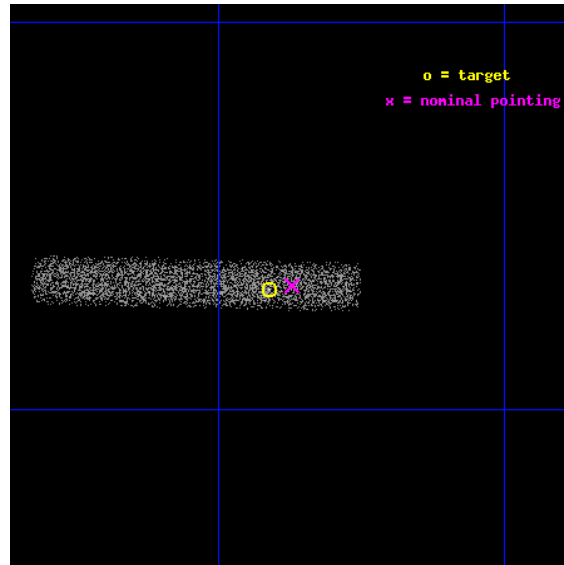
L2 Processing Date : Oct 31 2012

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

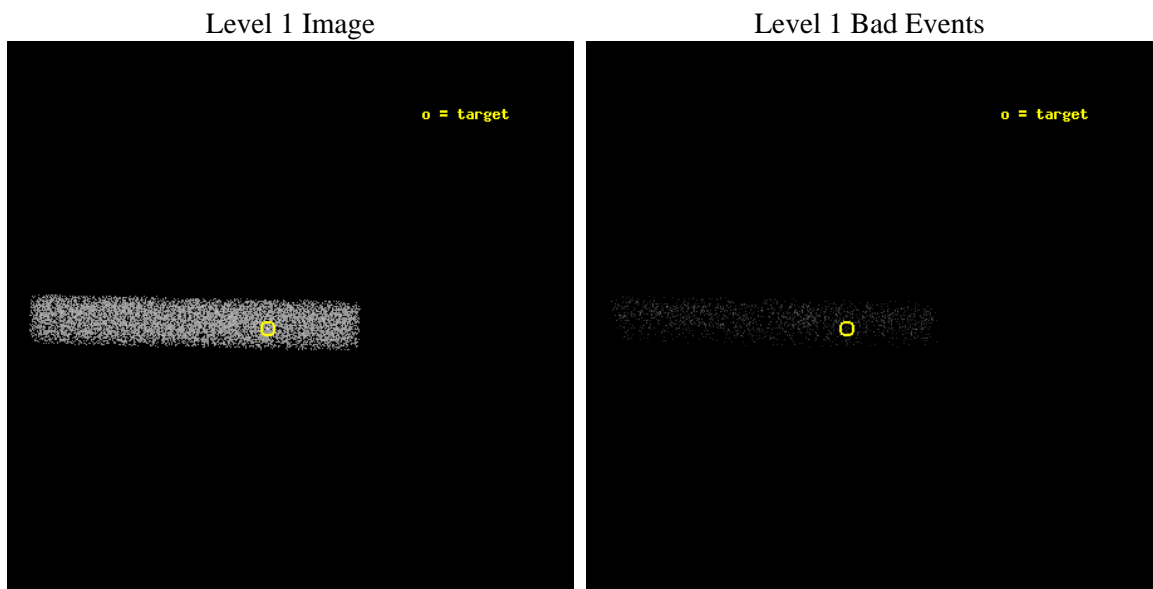
seq_num	500373	Sequence number
obs_id	3894	Observation id
title	IS AX J1845-0258 AN ANOMALOUS X-RAY PULSAR?	Proposal title
observer	Dr. Victoria Kaspi	Principal investigator
object	AX J1845-0258	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	281.2275	Observer's specified target RA [deg]
dec_targ	-2.948056	Observer's specified target Dec [deg]
ra_nom	281.21793639561	Nominal RA [deg]
dec_nom	-2.9465853473416	Nominal Dec [deg]
roll_nom	181.24920127801	Nominal Roll [deg]
revision	3	Processing version of data
ontime	12148.800181001	Sum of GTIs [s]
livetime	11018.320497915	Livetime [s]
ontime7	12148.800181001	Sum of GTIs [s]
l2events	5708	Number of level 2 events



2 OBI

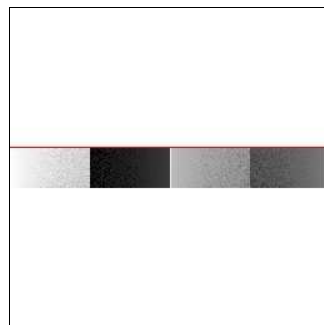
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	12000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	12148.800181001	Sum of GTIs [s]
caldsver	4.5.2	 	ontime7	12148.800181001	Sum of GTIs [s]
date	2012-10-31T04:45:22	Date and time of file creation	l1events	14146	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

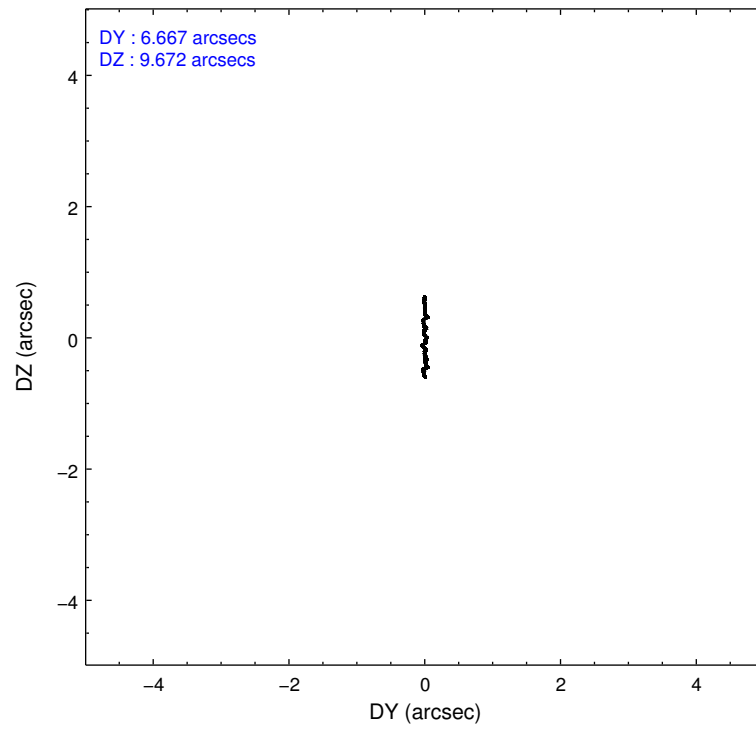
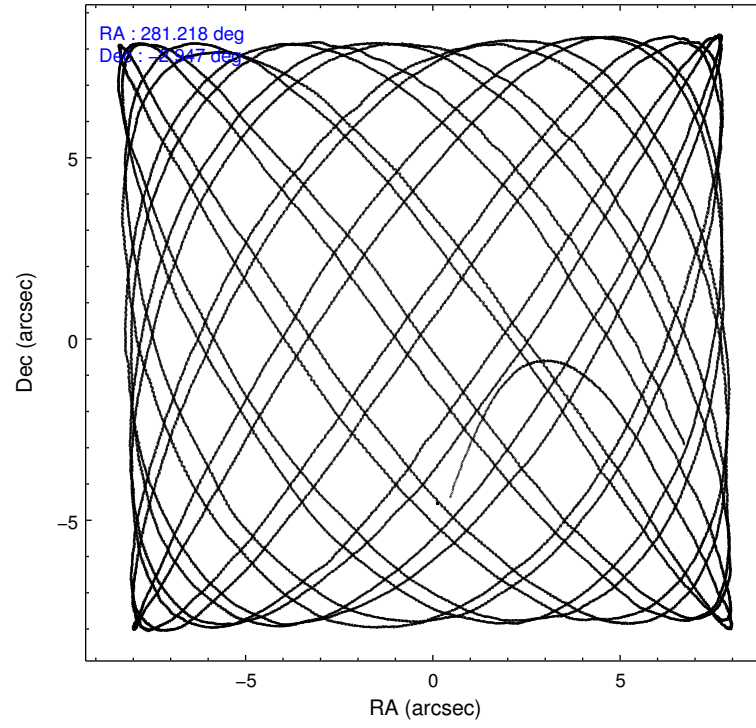
	ccd 7
level 1 events	14146
rejected events	8200
rejected %	57%

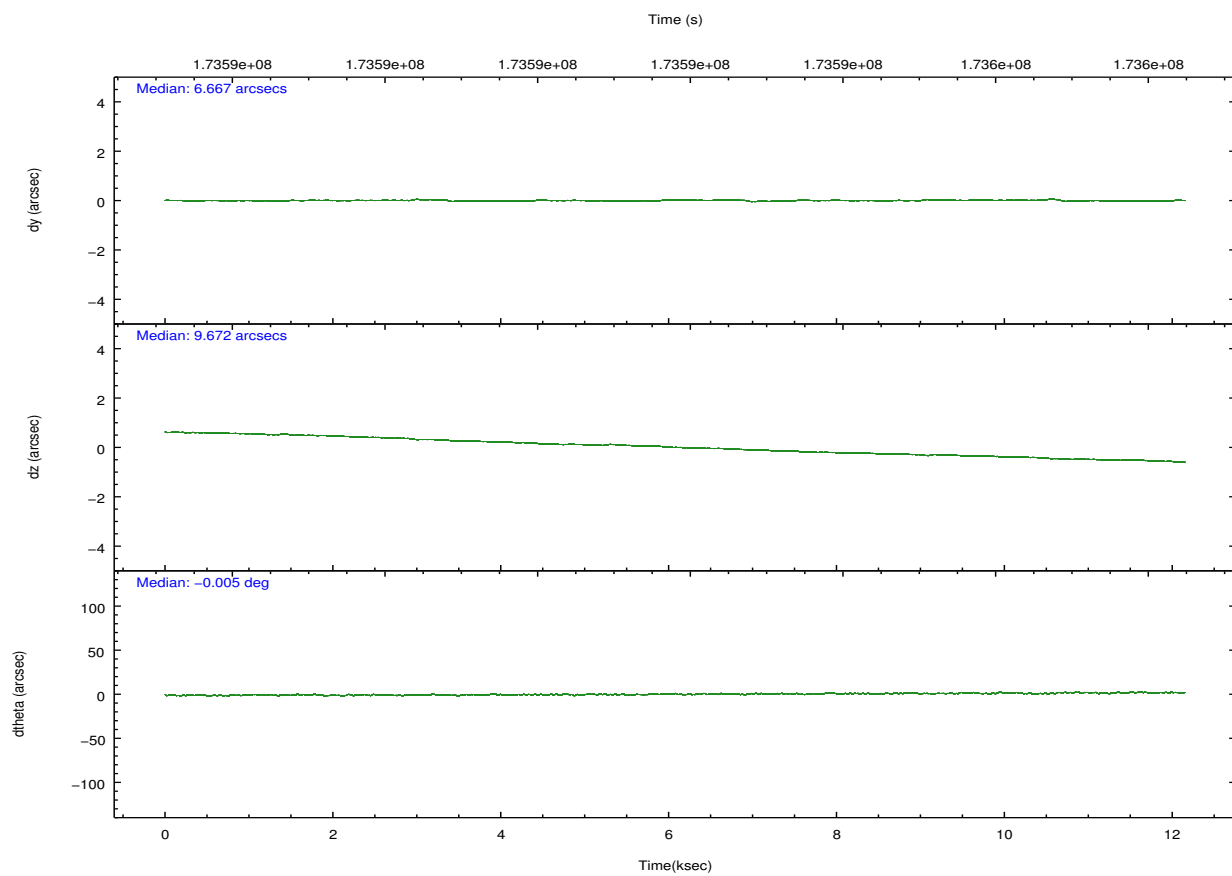
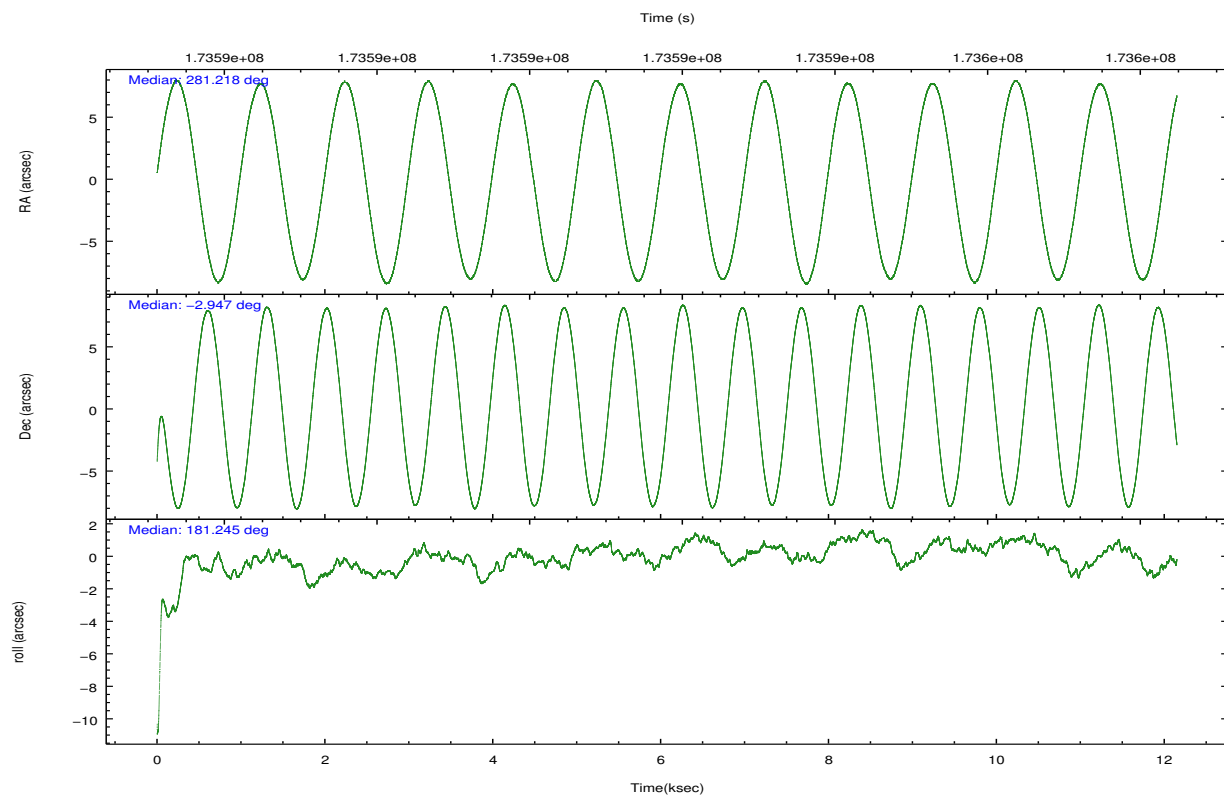
	ccd 7
grade 0 events	749
	5%
grade 1 events	16
	0%
grade 2 events	1236
	8%
grade 3 events	889
	6%
grade 4 events	853
	6%
grade 5 events	1215
	8%
grade 6 events	2943
	20%
grade 7 events	6245
	44%

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	281.241050	281.2179363956071	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-2.932133	-2.946585347341559	Subarray start row	449	449
[deg] Pointing Roll	181.093765	181.2492012780099	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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	173585879.184000	173584636.43453			
Observation start date	2003-07-03T02:16:55	2003-07-03T01:57:16			
[s] Observation end time (MET)	173597879.184000	173598980.28514			
Observation end date	2003-07-03T05:36:55	2003-07-03T05:56:20			
Read mode	TIMED	TIMED			

2.3 Aspect



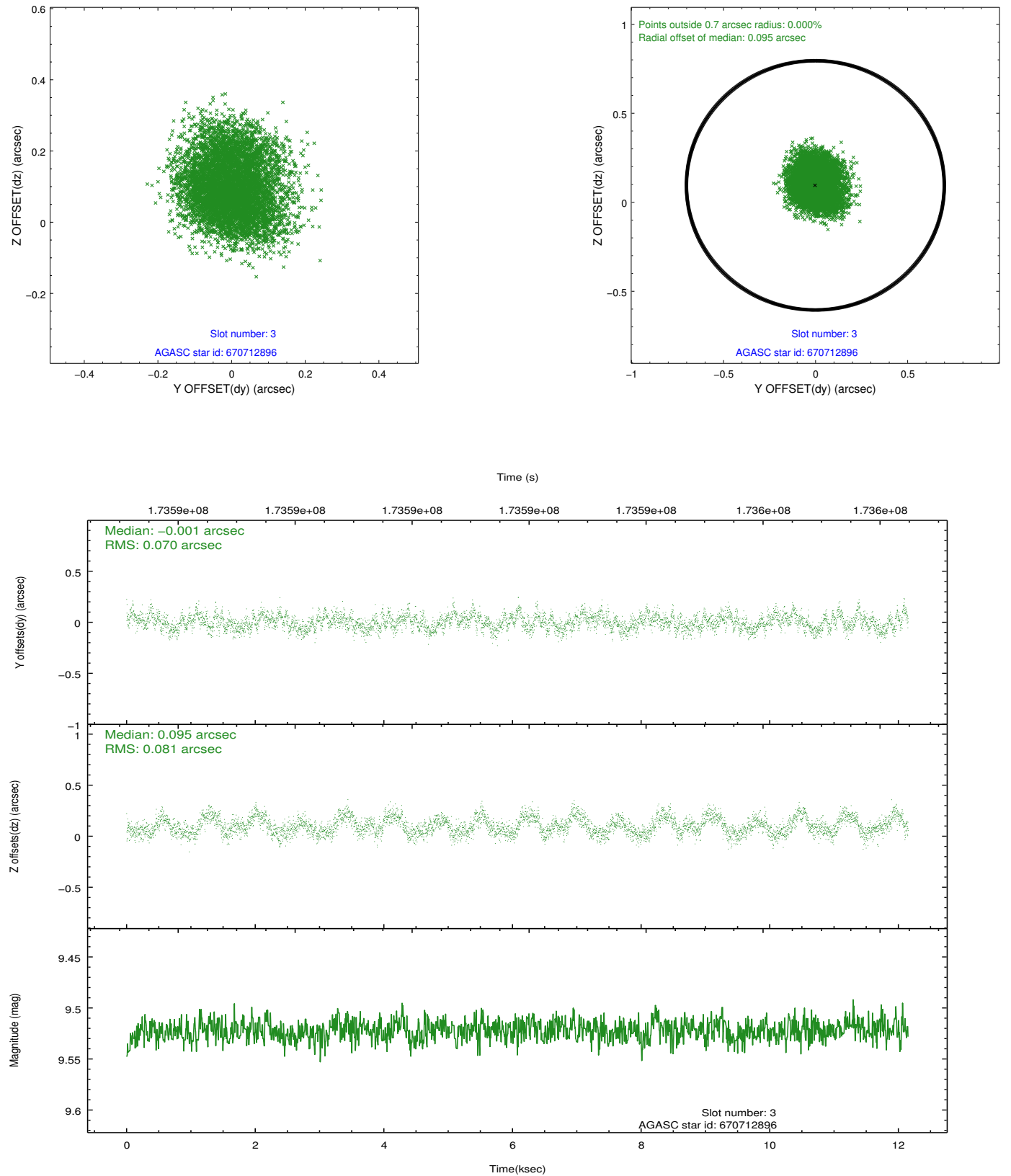


Slot Statistics

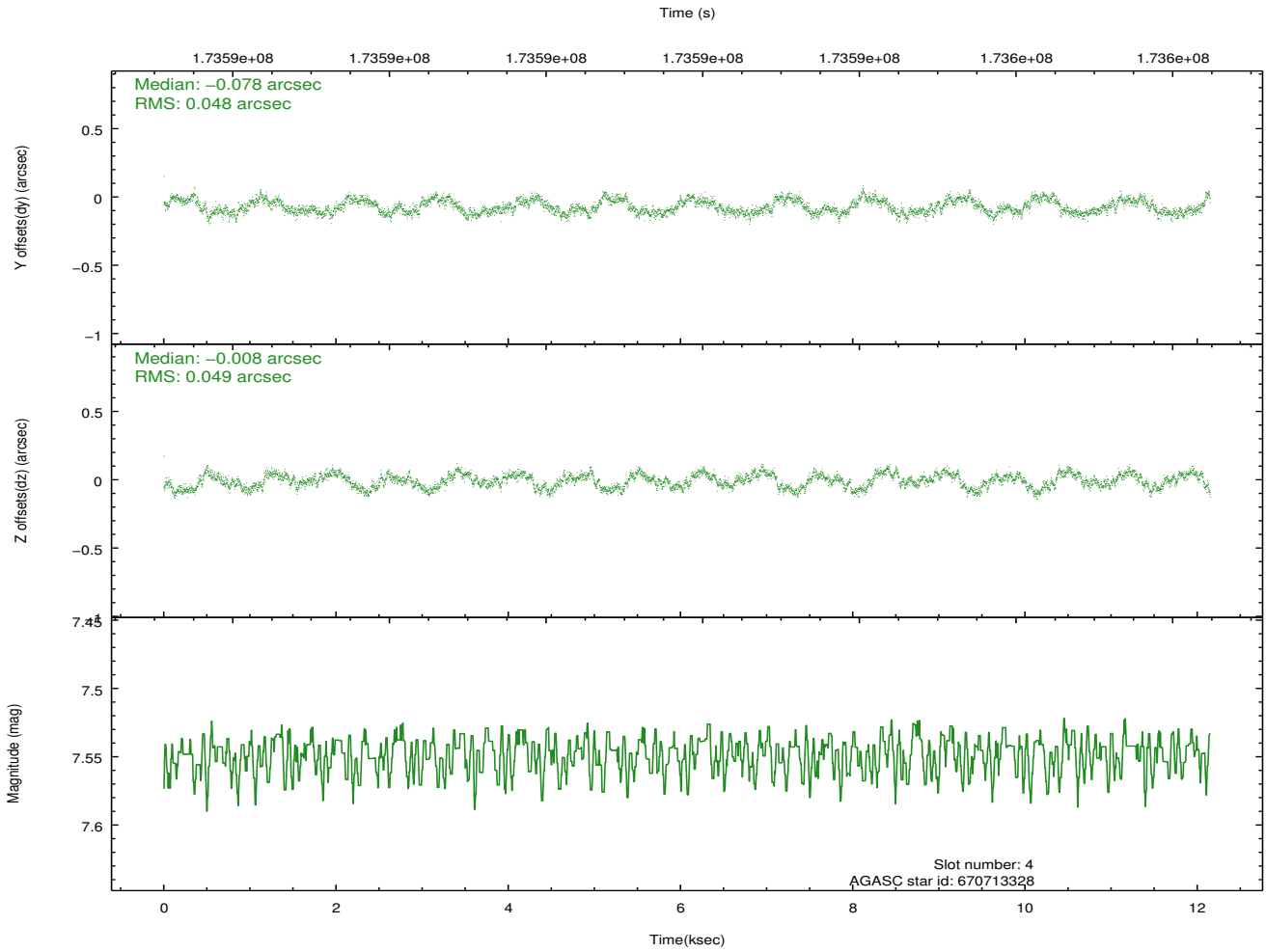
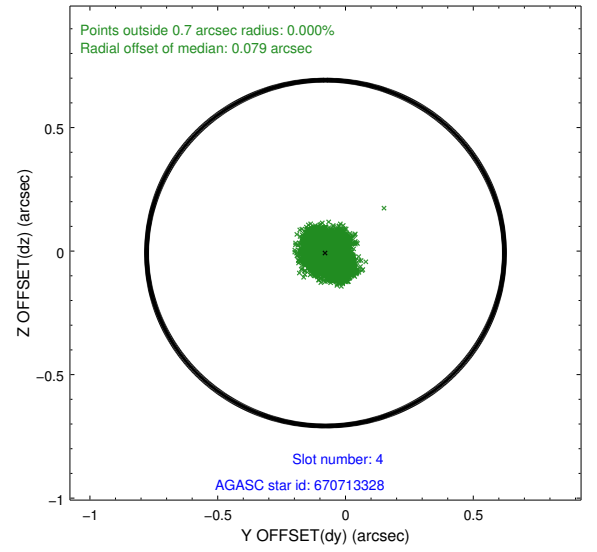
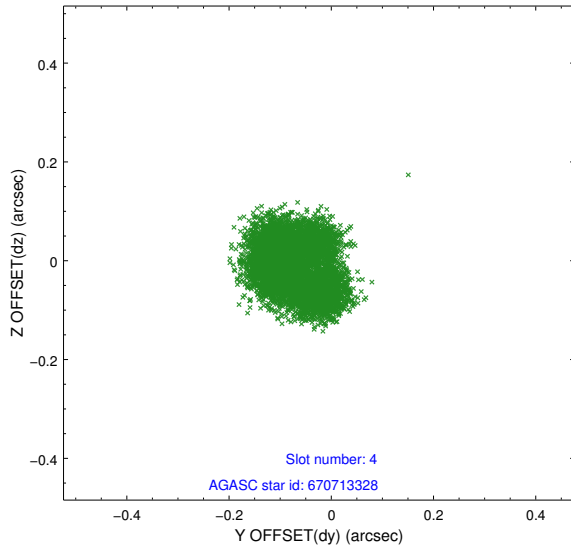
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	2964	-0.051	-0.032	0.012	0.018	0.000000	0.000000	-759.44	-1730.91
1	FID	ACIS-S-4	7.20	2964	0.069	0.033	0.006	0.011	0.000000	0.000000	2153.75	177.25
2	FID	ACIS-S-5	7.23	2964	-0.050	0.008	0.011	0.018	0.000000	0.000000	-1811.78	171.31
3	GUIDE	670712896	9.52	5924	-0.001	0.095	0.116	0.183	281.136637	-3.286600	399.91	1269.39
4	GUIDE	670713328	7.55	5928	-0.078	-0.008	0.075	0.112	280.824681	-3.187771	1514.09	892.13
5	GUIDE	670714008	9.02	5925	-0.002	0.001	0.081	0.129	281.129237	-3.153193	417.44	788.24
6	GUIDE	670830264	8.75	5928	0.067	-0.019	0.097	0.147	281.361536	-3.231556	-412.15	1086.13
7	GUIDE	670713072	8.96	5922	0.011	-0.077	0.213	0.309	281.205407	-3.604132	174.18	2416.48

2.4 Star Slots

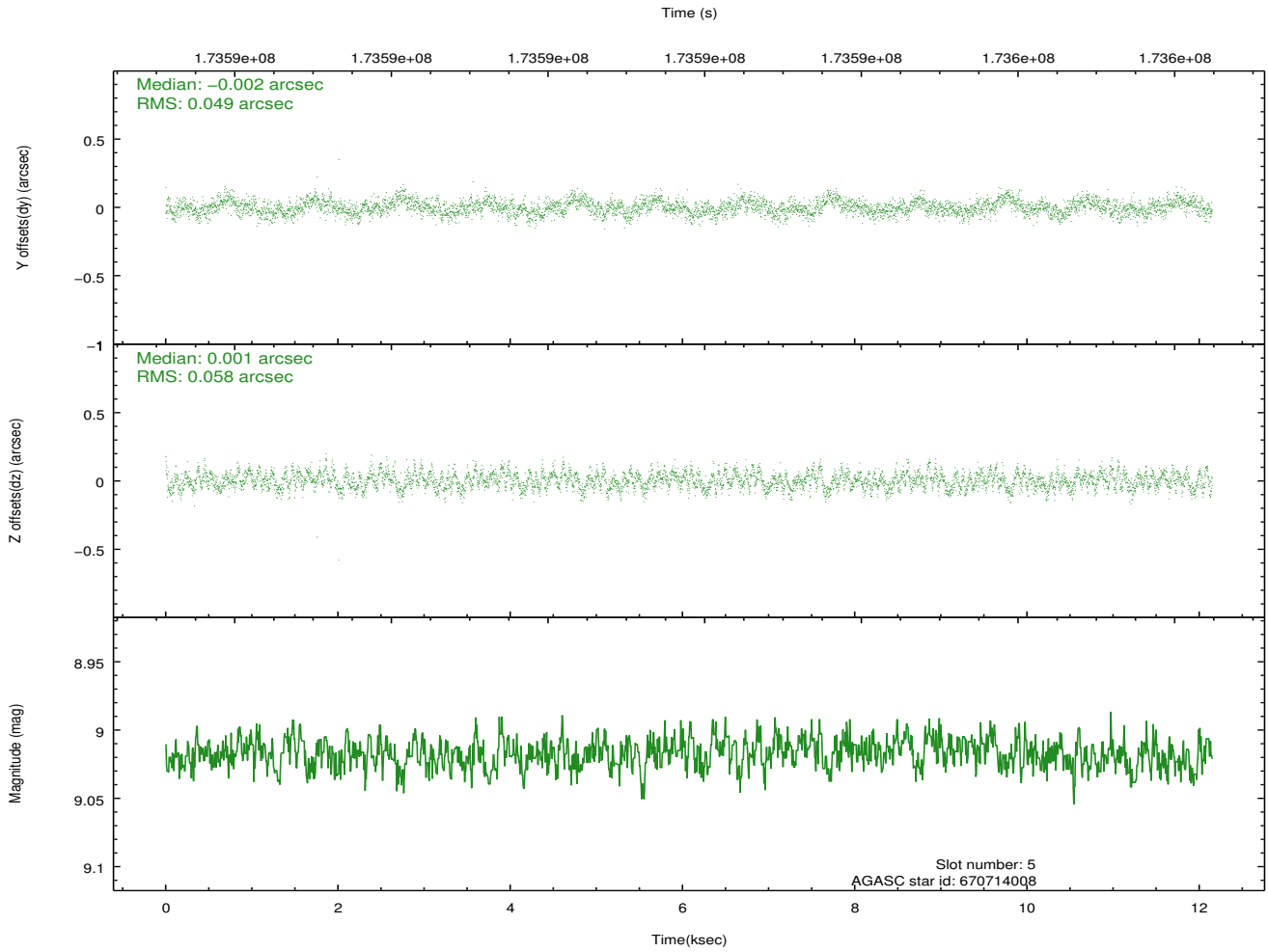
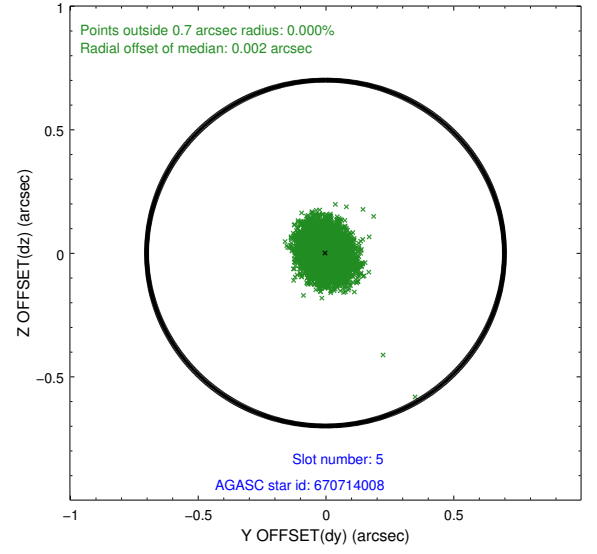
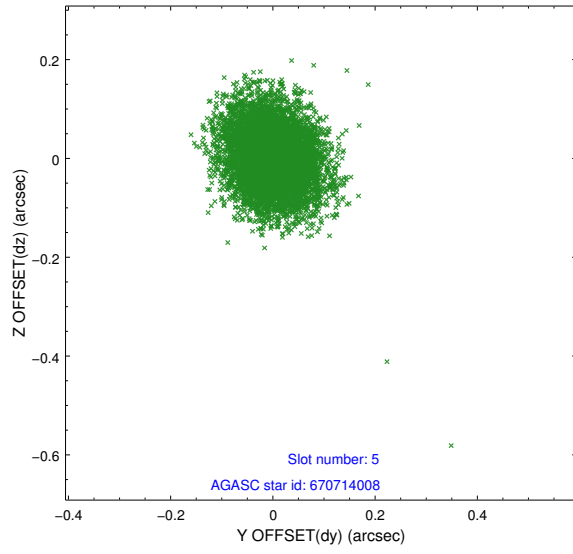
2.4.1 Slot 3



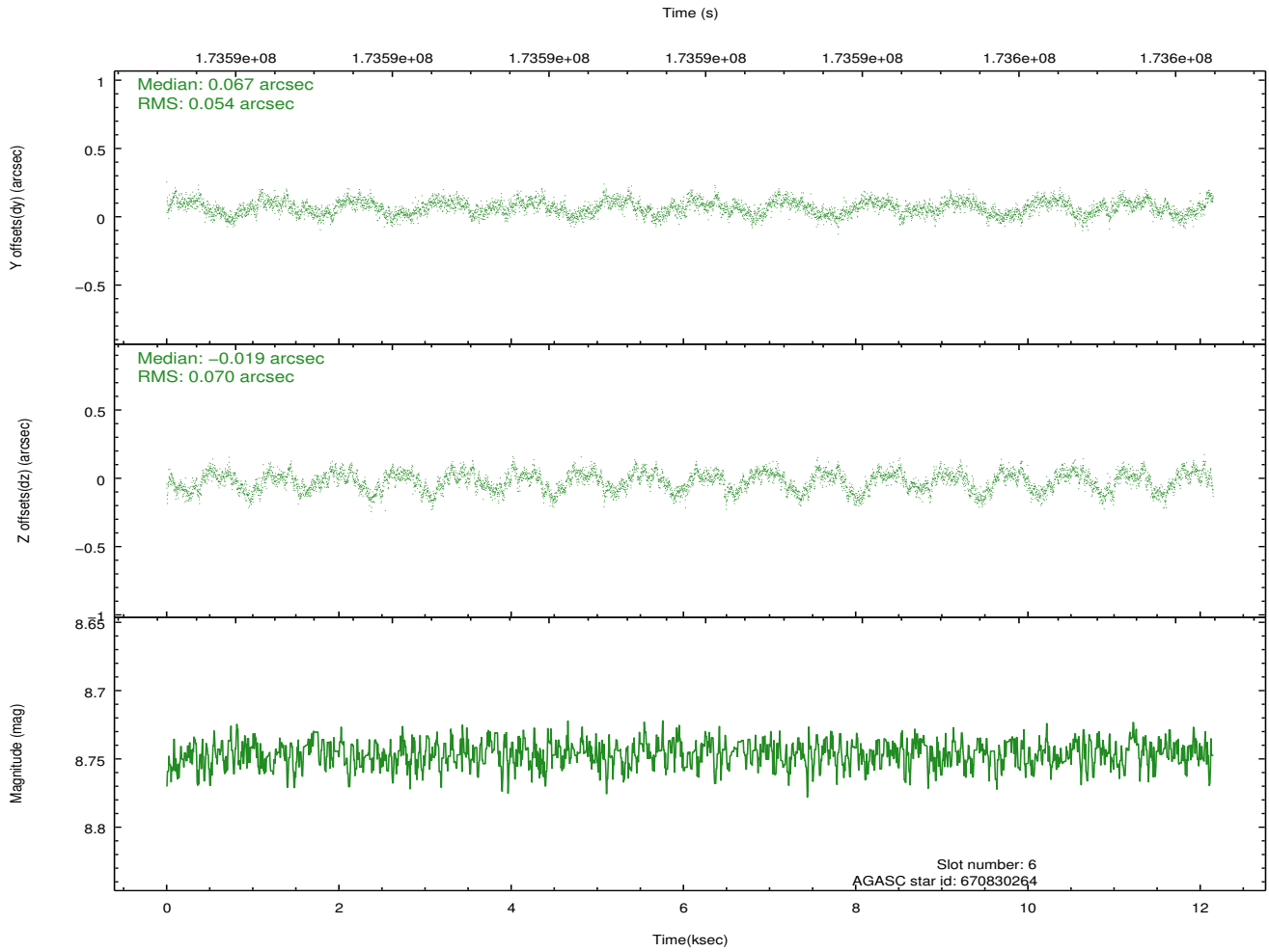
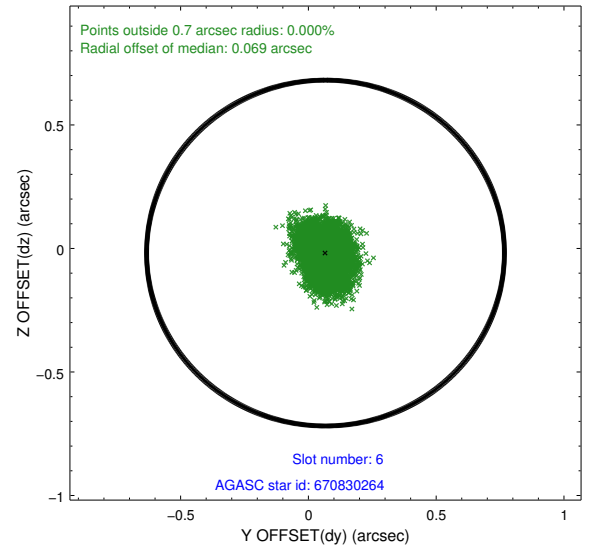
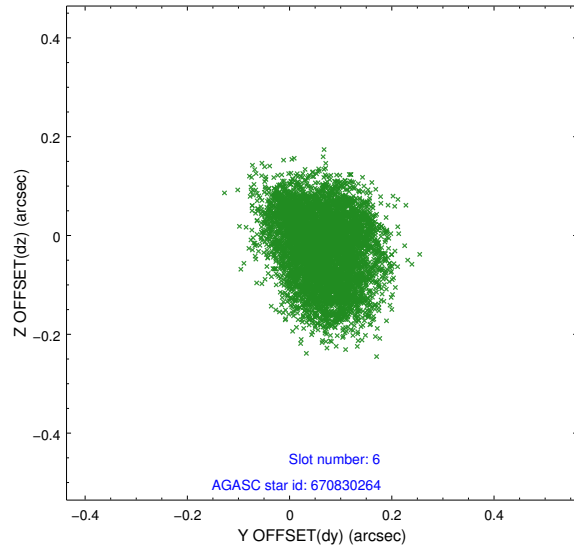
2.4.2 Slot 4



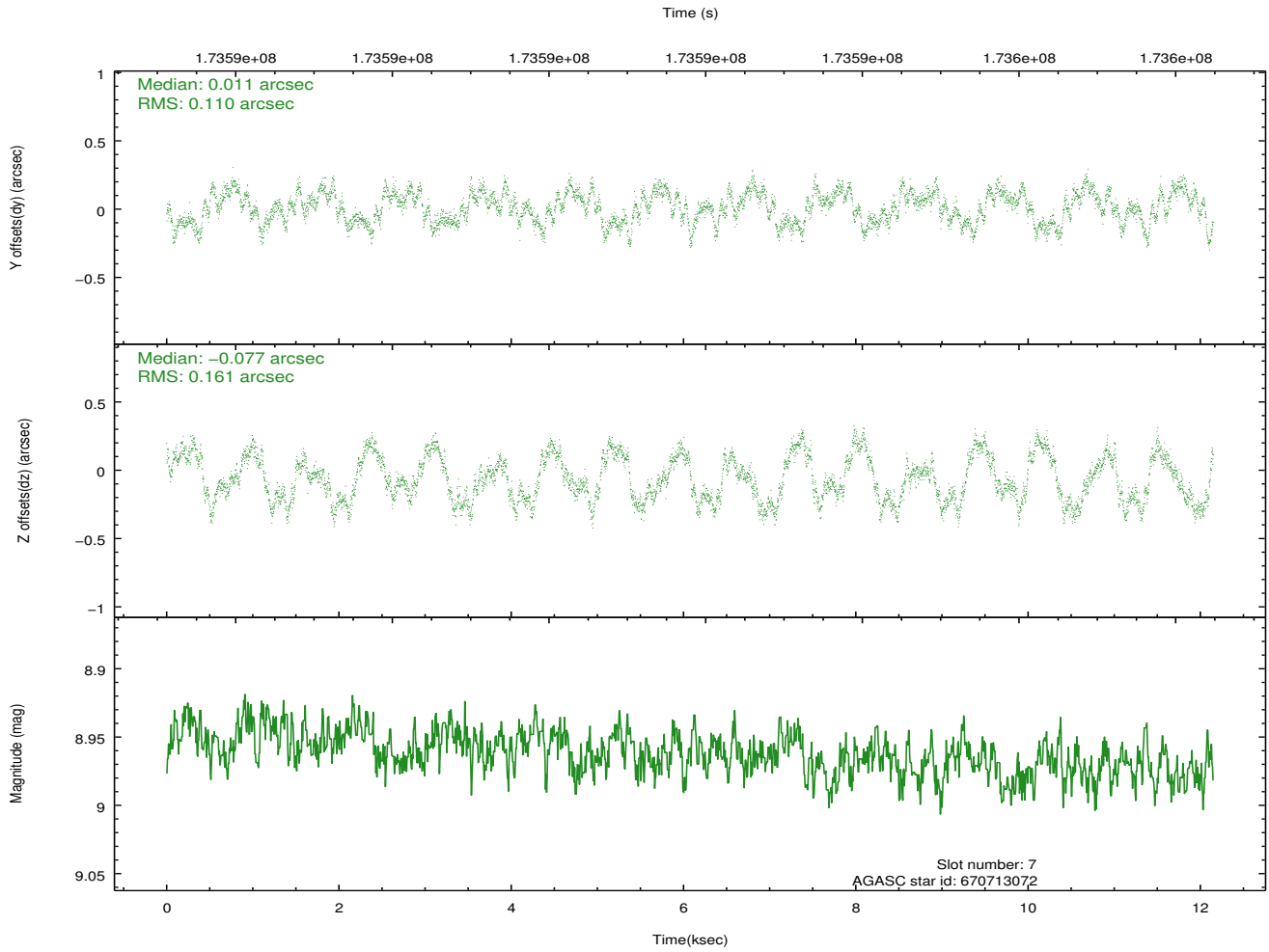
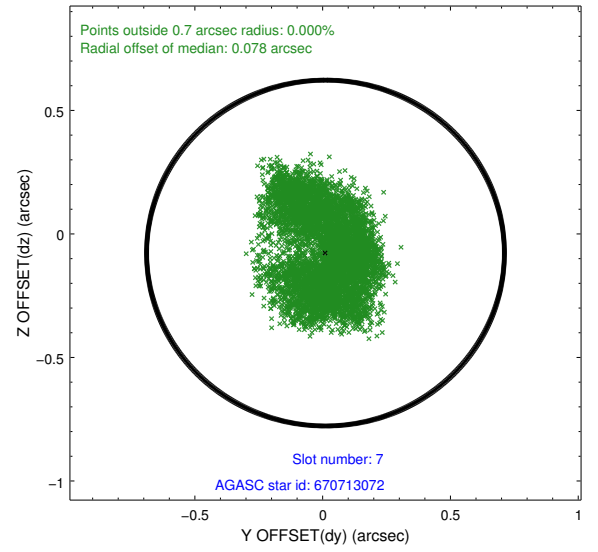
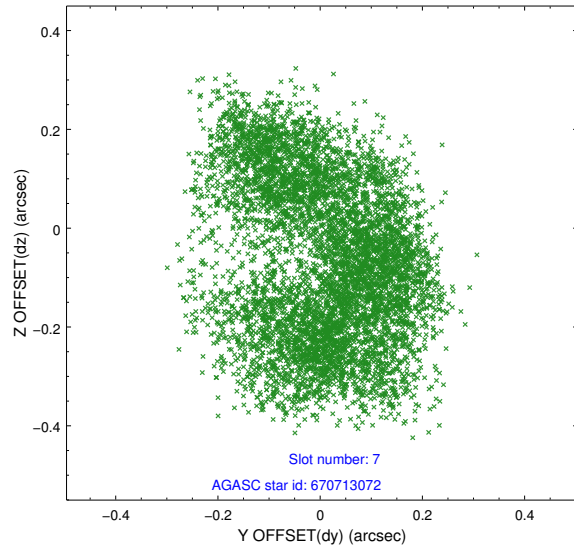
2.4.3 Slot 5



2.4.4 Slot 6

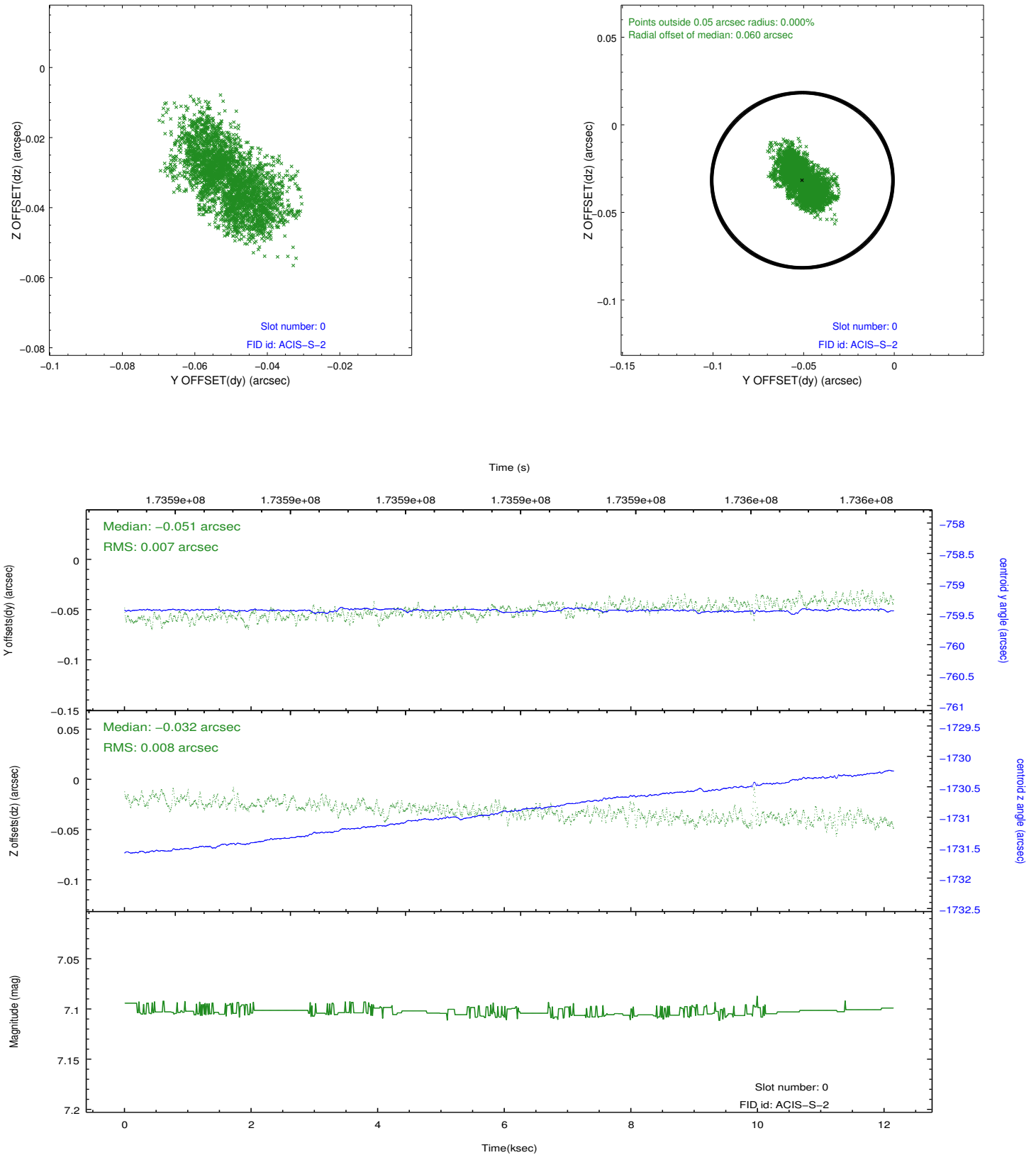


2.4.5 Slot 7

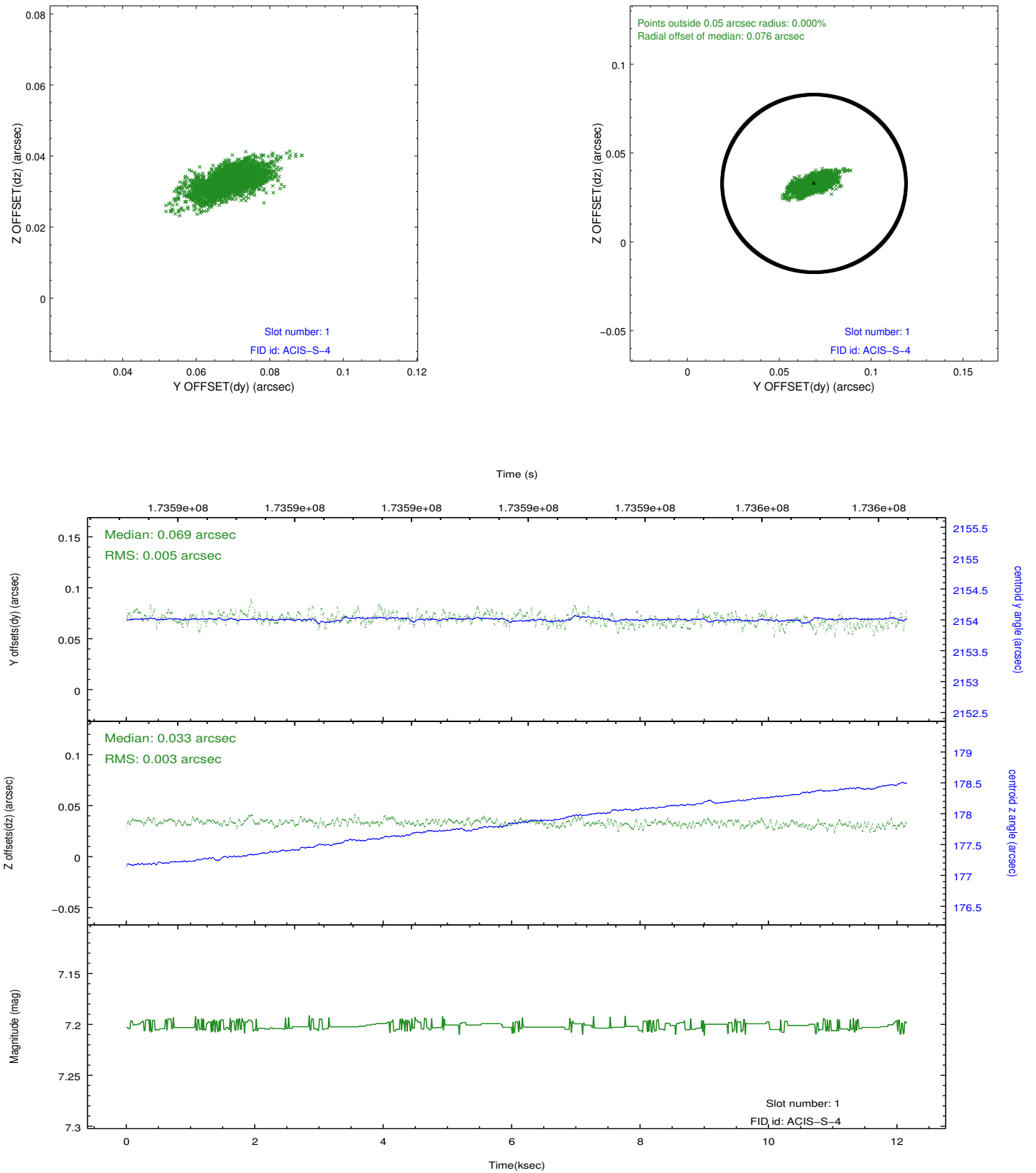


2.5 FID Slots

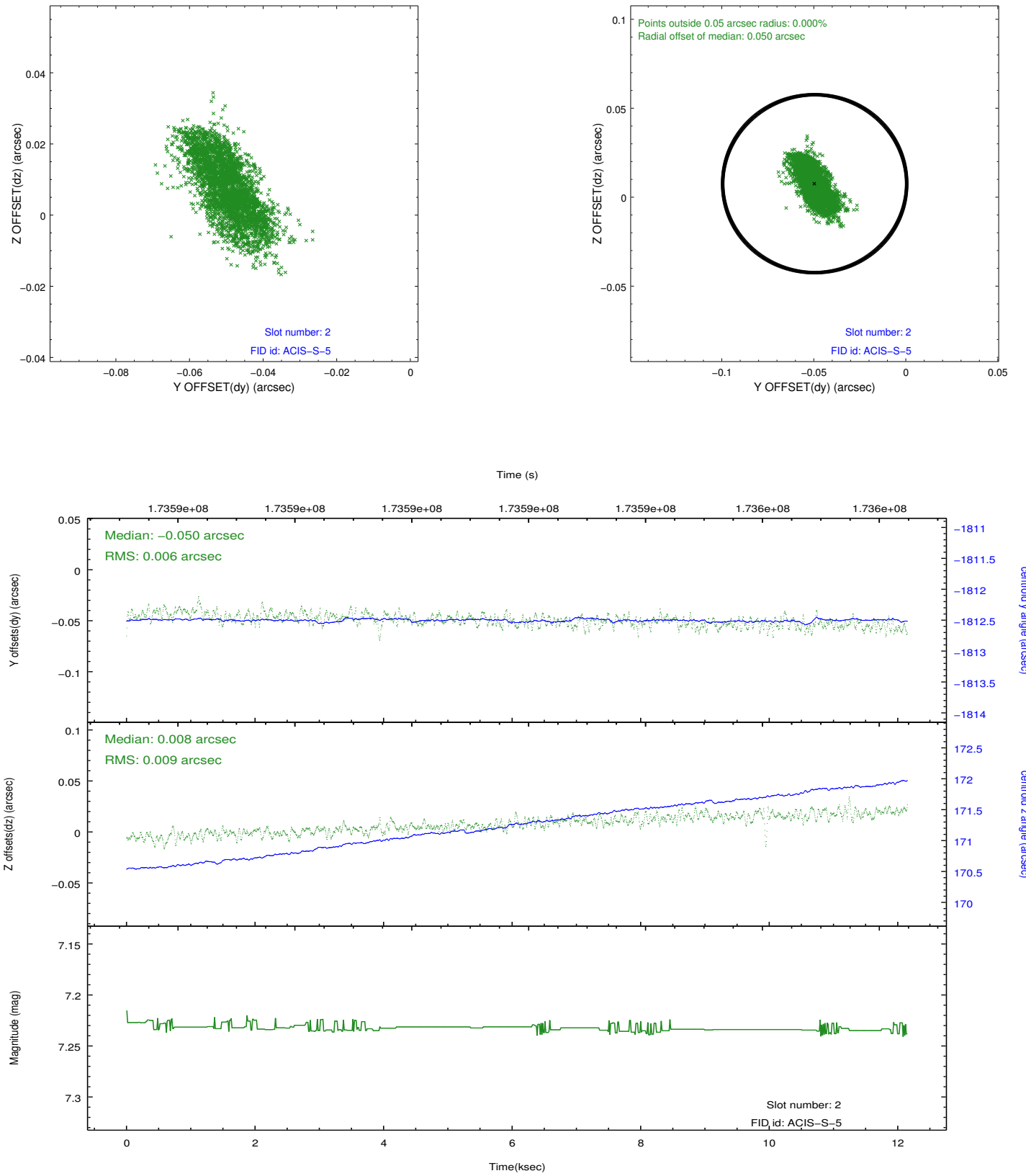
2.5.1 Slot 0



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)	2012.11.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.148

A.2 Comments

Monitor constraint not met: was observed ~6.7 days after obs3891 concluded, was supposed to be 6.5 days.