

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4617 - L2 Version 3
Chandra X-Ray Center

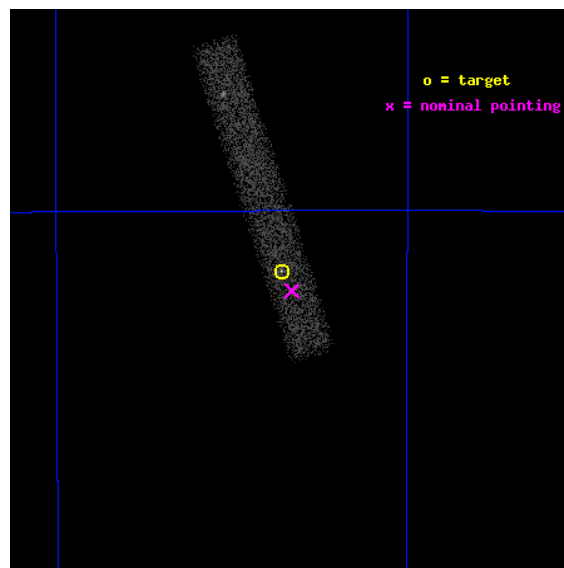
L2 Processing Date : Nov 10 2012

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

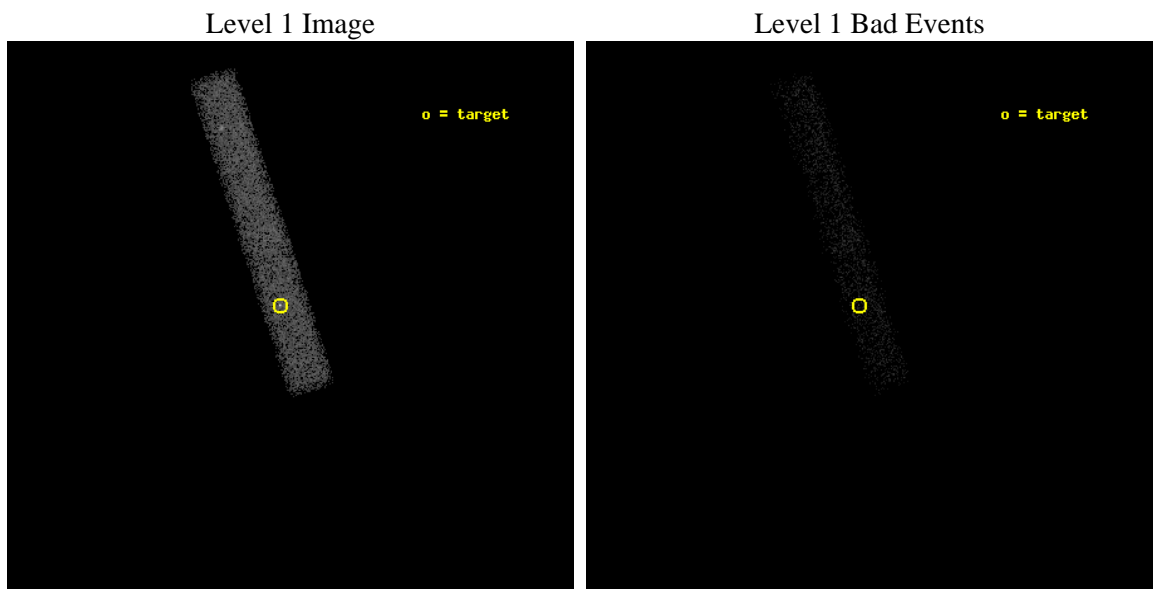
seq_num	500442	Sequence number
obs_id	4617	Observation id
title	PRECISION TIMING OF A POSSIBLE NEW ANOMALOUS X-RAY PULSAR	Proposal
observer	Prof. Bryan Gaensler	Principal investigator
object	CXOU J010043.1-721134	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	15.179583	Observer's specified target RA [deg]
dec_targ	-72.192722	Observer's specified target Dec [deg]
ra_nom	15.164731262922	Nominal RA [deg]
dec_nom	-72.201258863587	Nominal Dec [deg]
roll_nom	252.03189303331	Nominal Roll [deg]
revision	3	Processing version of data
ontime	16839.6002509	Sum of GTIs [s]
livetime	15272.628560584	Livetime [s]
ontime7	16839.6002509	Sum of GTIs [s]
l2events	9715	Number of level 2 events



2 OBI

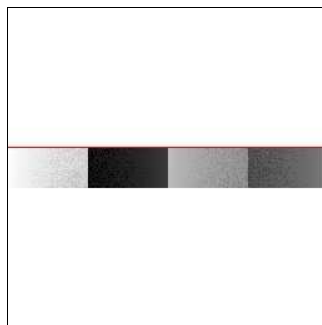
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	16670.230000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	16839.6002509	Sum of GTIs [s]
caldsver	4.5.2	 	ontime7	16839.6002509	Sum of GTIs [s]
date	2012-11-10T22:15:43	Date and time of file creation	l1events	20564	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

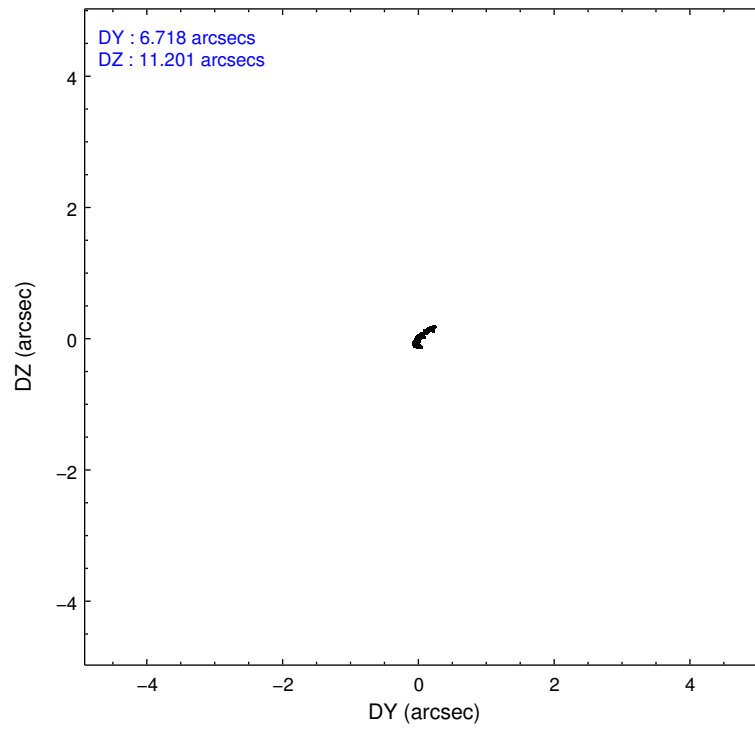
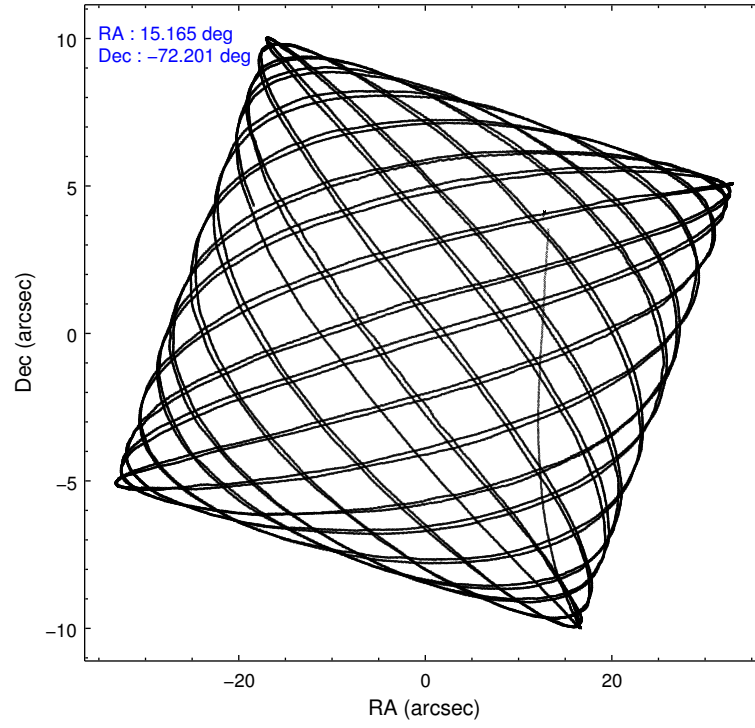
	ccd 7
level 1 events	20564
rejected events	10539
rejected %	51%

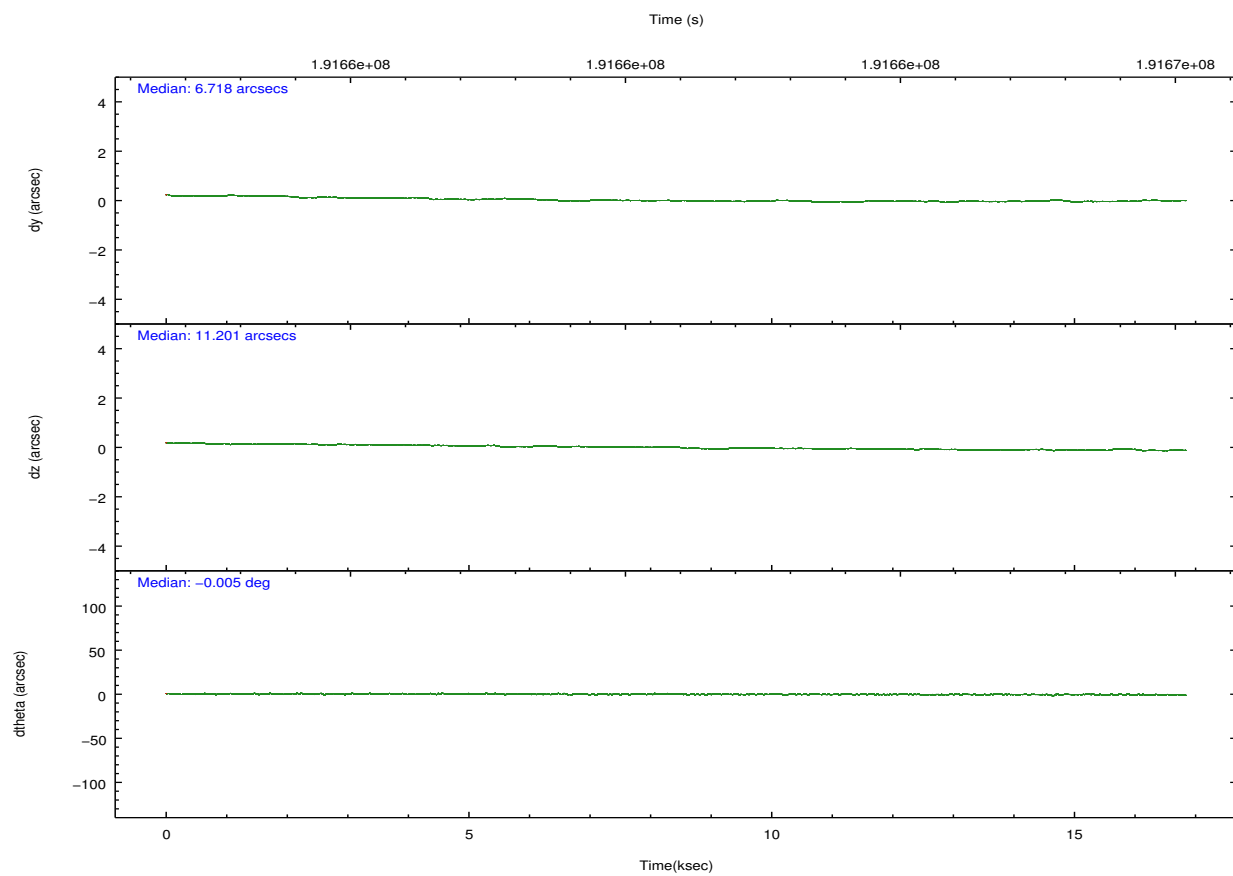
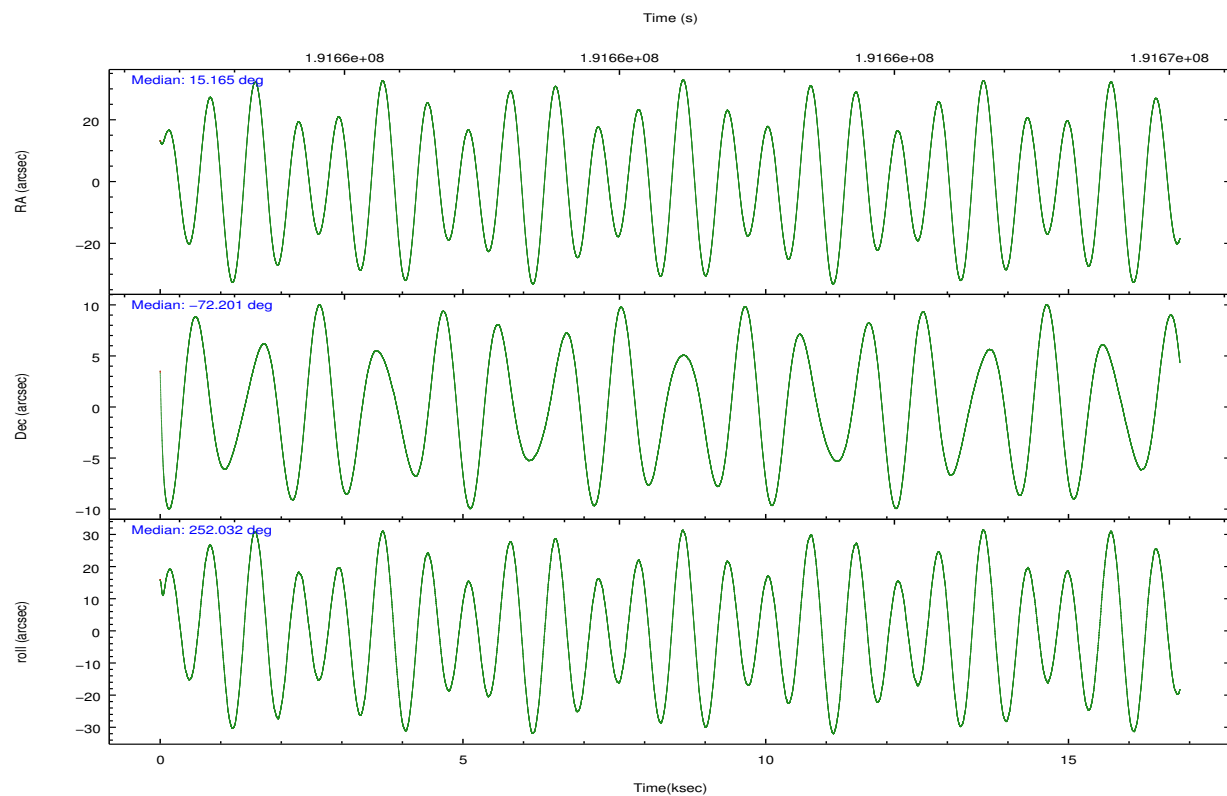
	ccd 7
grade 0 events	1507
	7%
grade 1 events	14
	0%
grade 2 events	2034
	9%
grade 3 events	1255
	6%
grade 4 events	1350
	6%
grade 5 events	1819
	8%
grade 6 events	4340
	21%
grade 7 events	8245
	40%

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	15.144981	15.16473126292175	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-72.174702	-72.20125886358707	Subarray start row	449	449
[deg] Pointing Roll	251.856466	252.0318930333098	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)	191652666.184000	191651534.23782			
Observation start date	2004-01-28T04:50:02	2004-01-28T04:32:14			
[s] Observation end time (MET)	191669336.184000	191669650.60112			
Observation end date	2004-01-28T09:27:52	2004-01-28T09:34:10			
Read mode	TIMED	TIMED			

2.3 Aspect



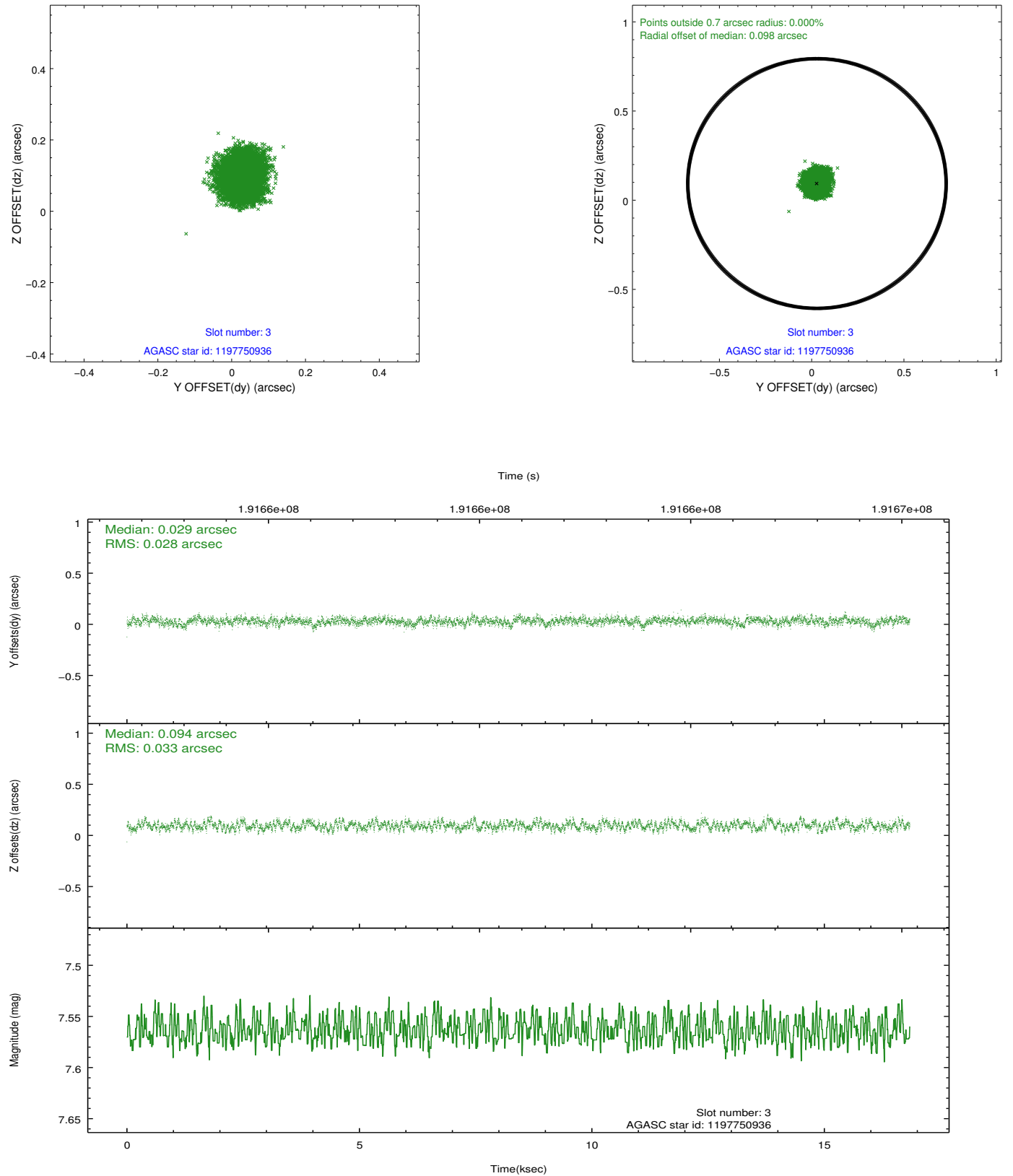


Slot Statistics

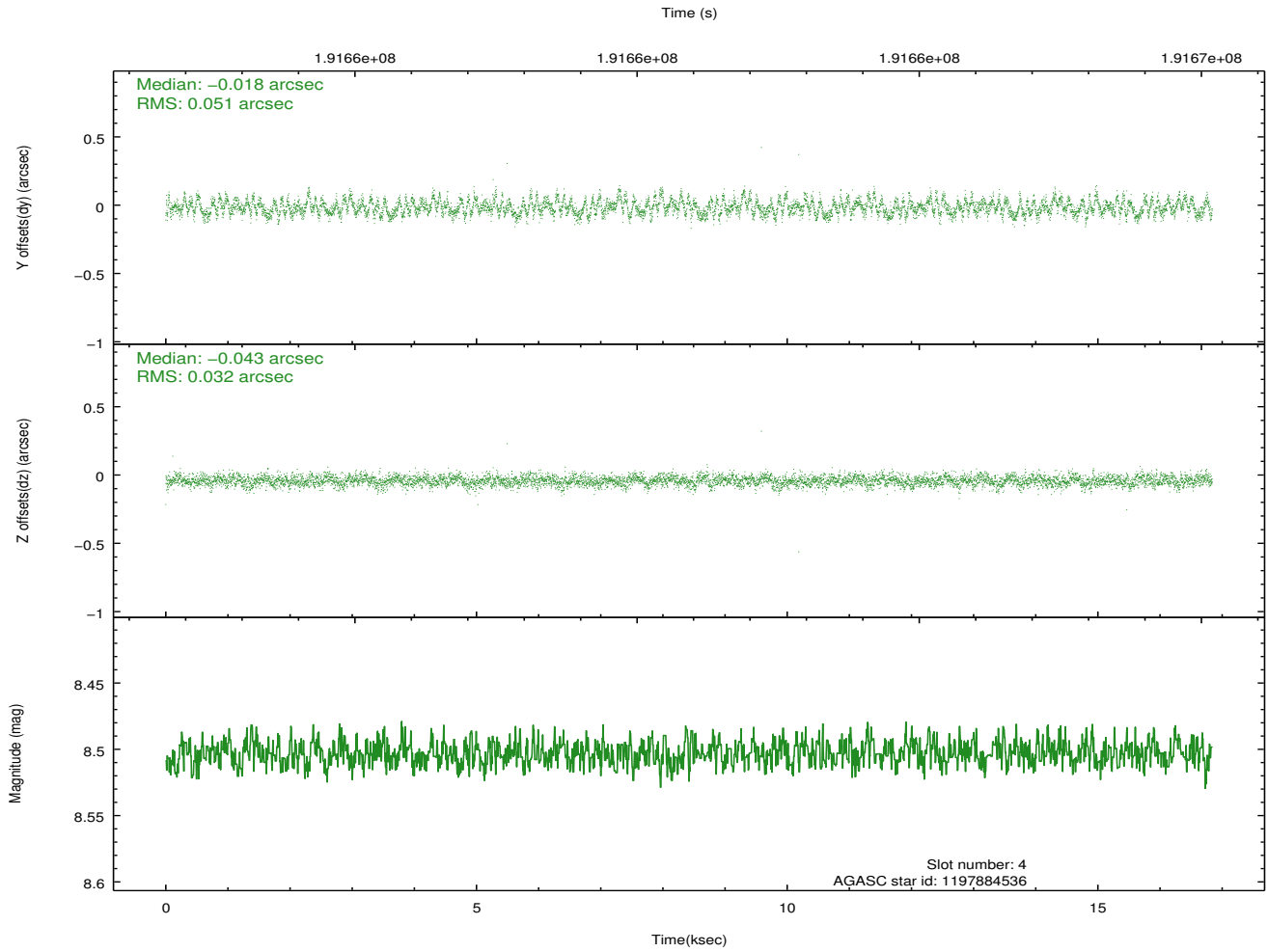
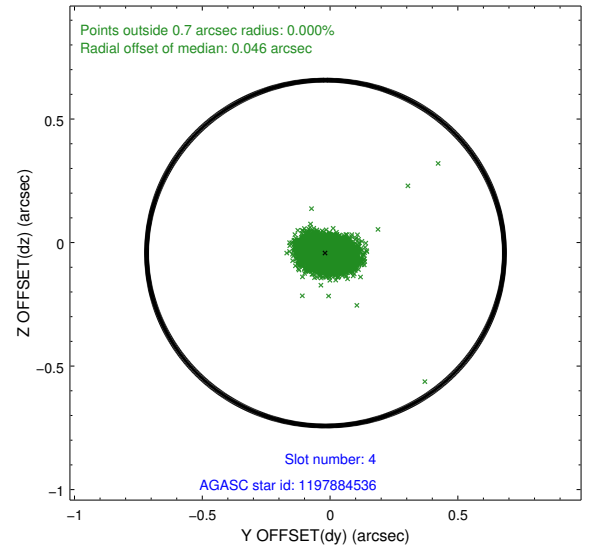
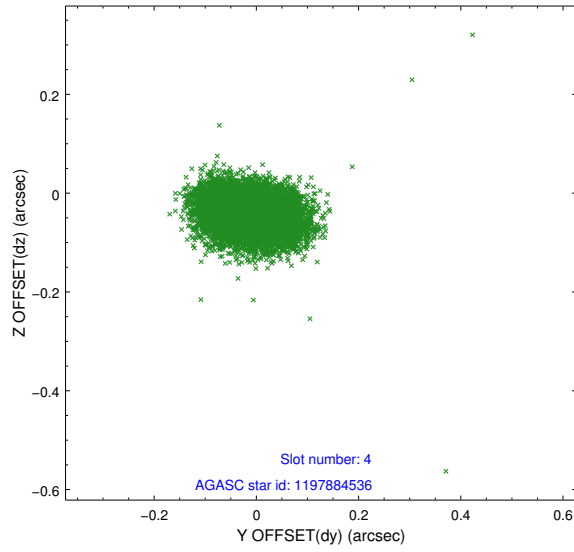
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	4108	-0.047	-0.017	0.007	0.011	0.000000	0.000000	-759.52	-1732.46
1	FID	ACIS-S-4	7.20	4108	0.065	0.027	0.006	0.010	0.000000	0.000000	2153.73	175.85
2	FID	ACIS-S-5	7.23	4108	-0.049	-0.002	0.007	0.011	0.000000	0.000000	-1812.06	169.72
3	GUIDE	1197750936	7.56	8215	0.029	0.094	0.047	0.074	15.387940	-71.549550	-2224.07	-437.28
4	GUIDE	1197884536	8.50	8214	-0.018	-0.043	0.063	0.104	17.160729	-71.835289	-1829.77	1780.78
5	GUIDE	1197884712	8.31	8213	0.054	0.060	0.054	0.087	16.087398	-72.252690	-47.62	1073.09
6	GUIDE	1197885328	7.23	8216	0.020	-0.084	0.051	0.085	16.283090	-71.733943	-1896.42	730.49
7	GUIDE	1198189696	7.36	8215	-0.087	-0.026	0.050	0.079	15.223750	-72.697522	1762.14	666.57

2.4 Star Slots

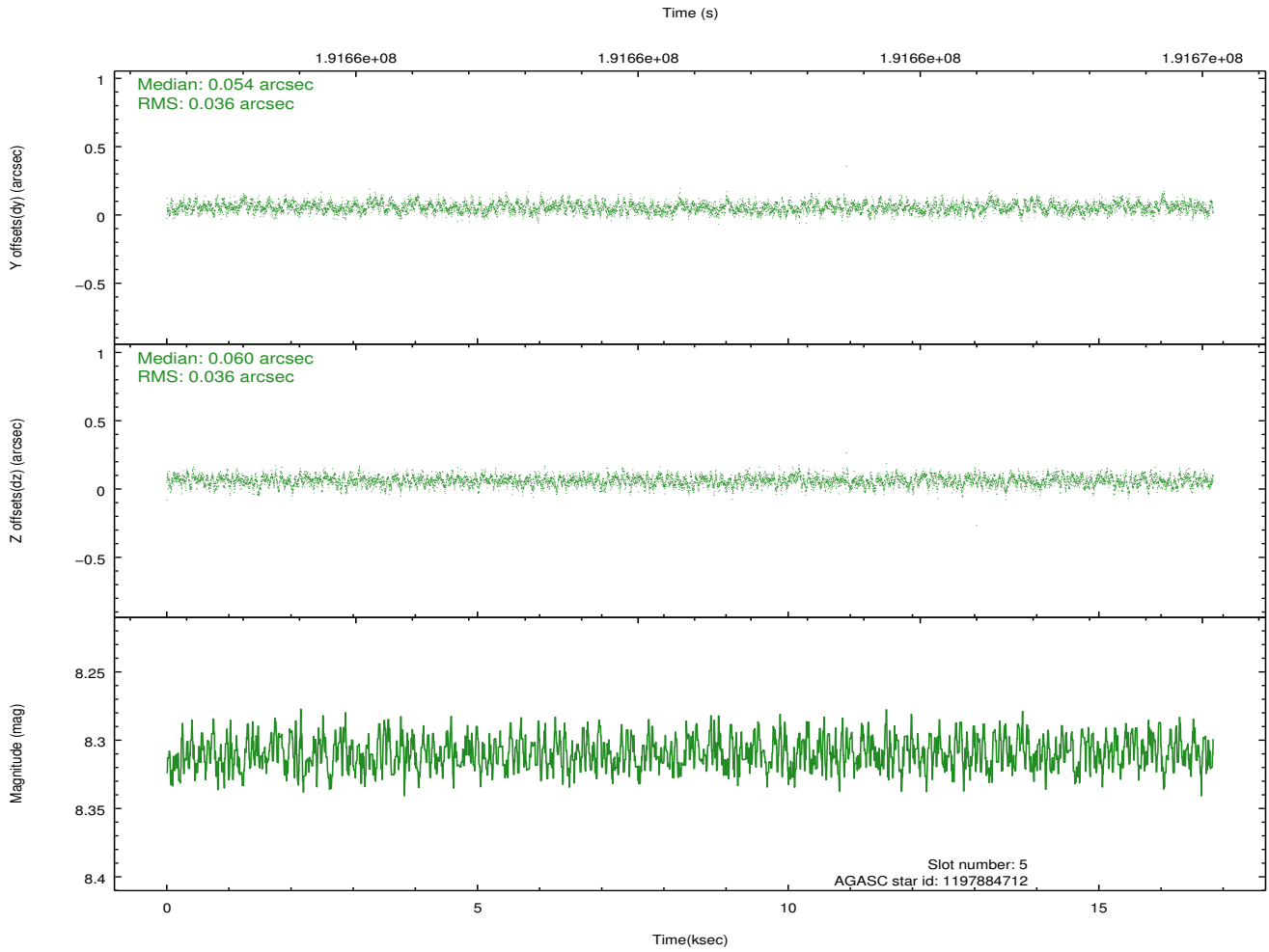
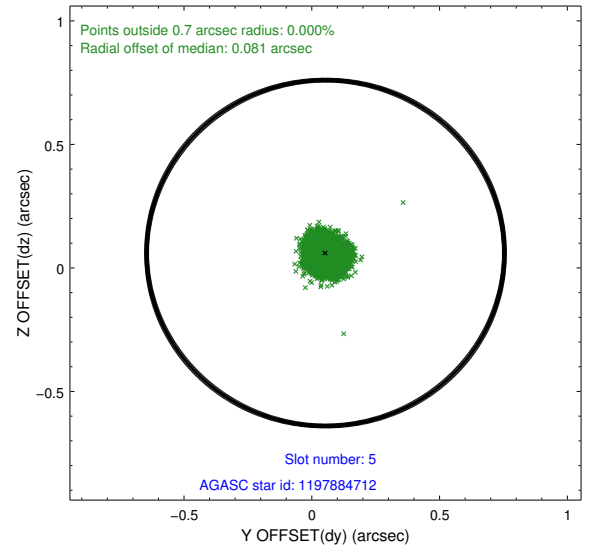
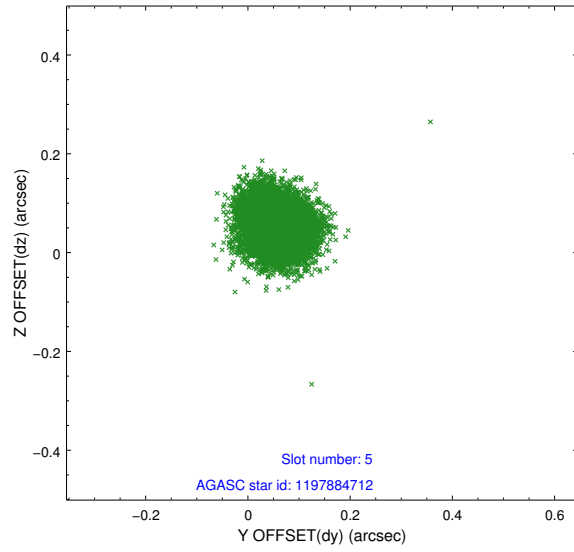
2.4.1 Slot 3



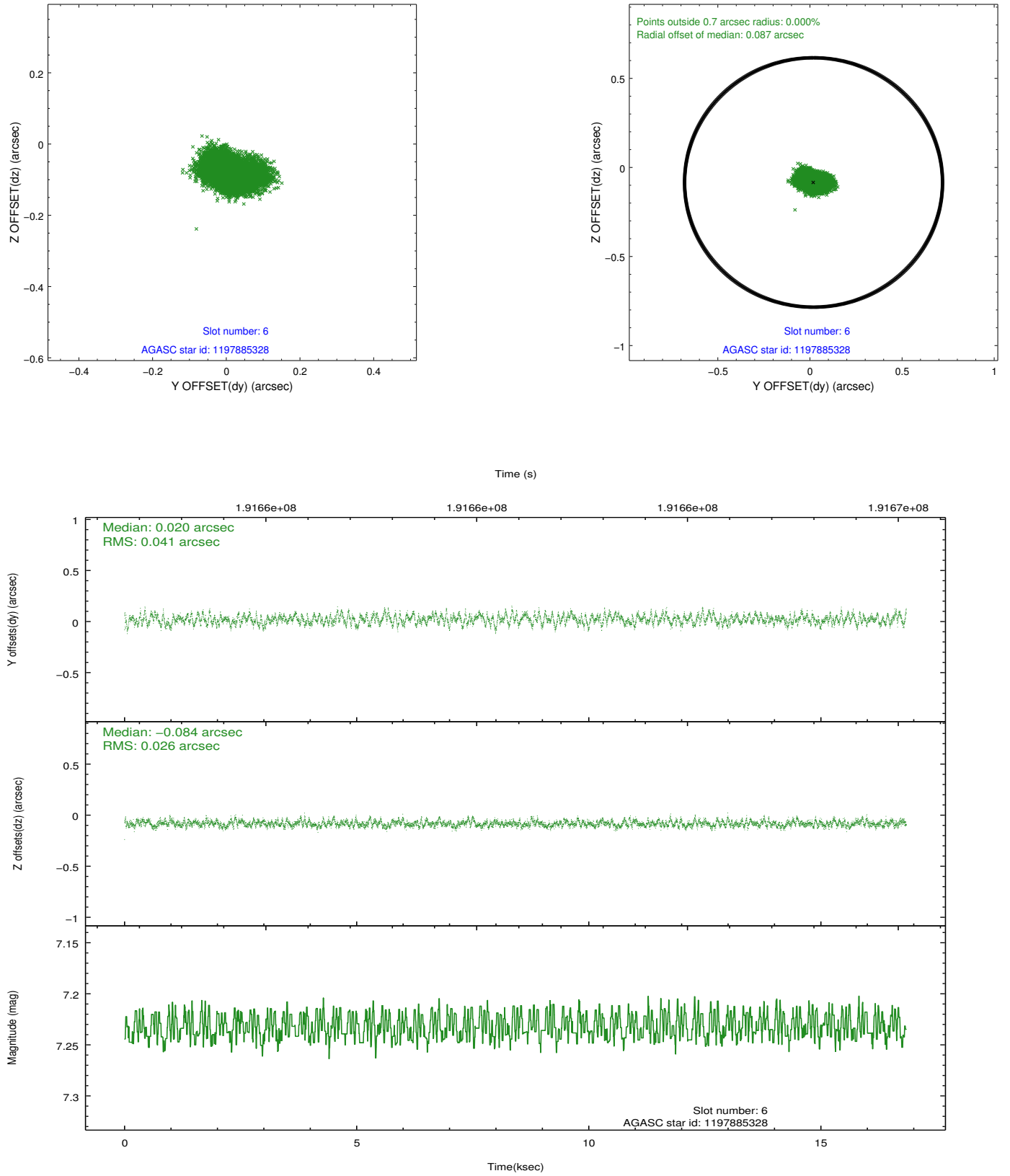
2.4.2 Slot 4



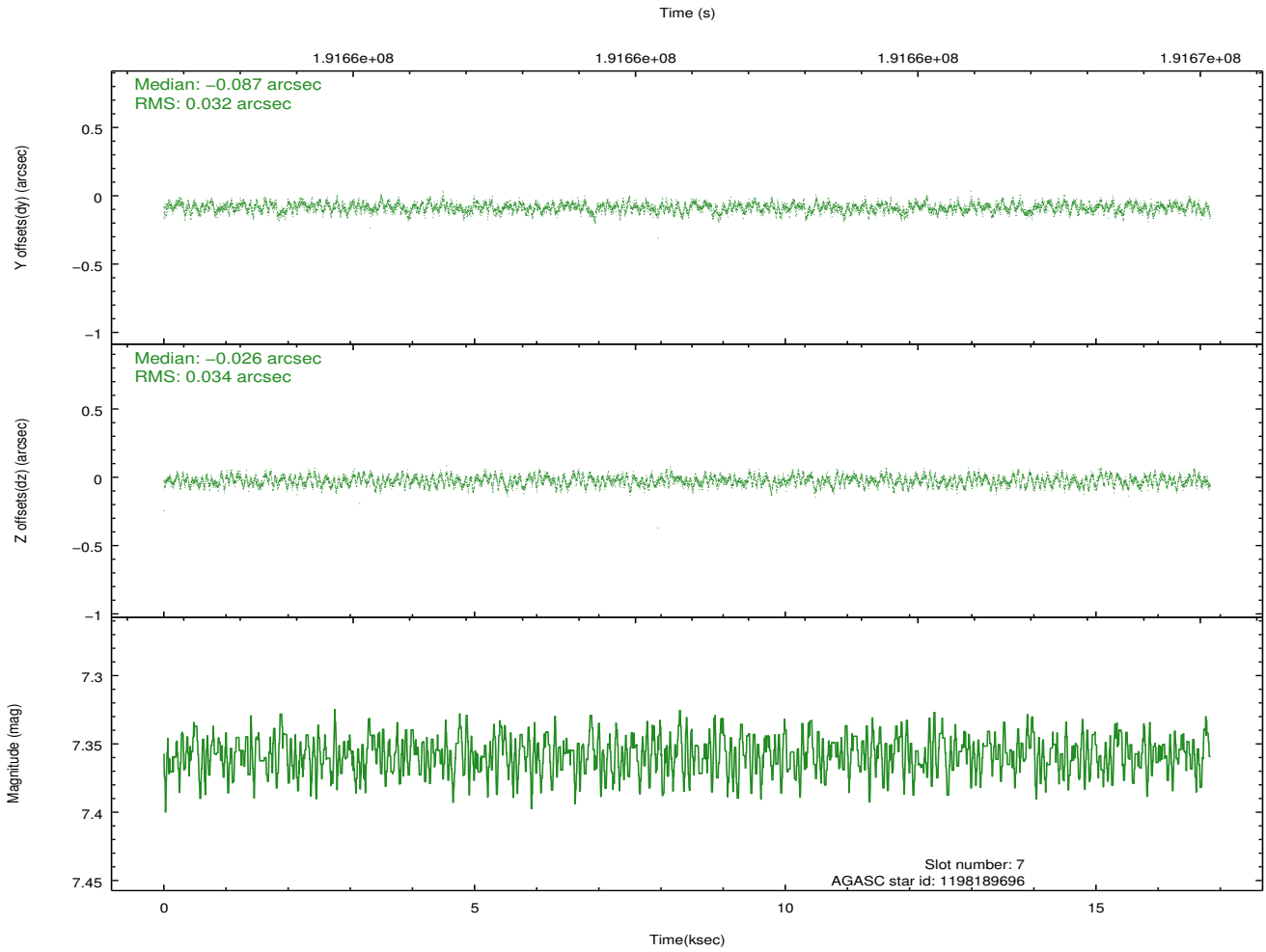
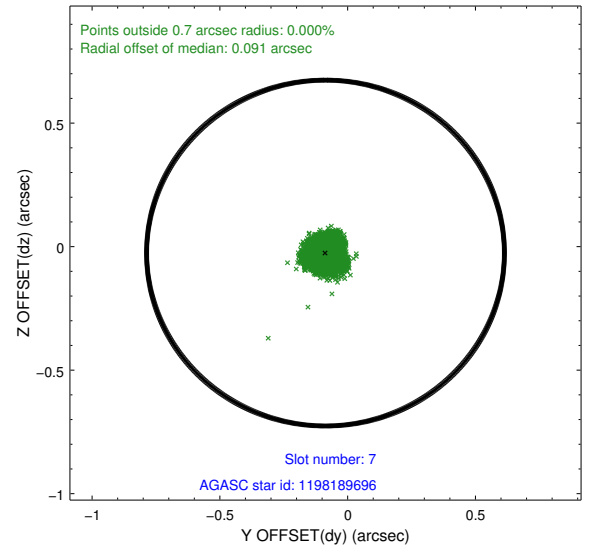
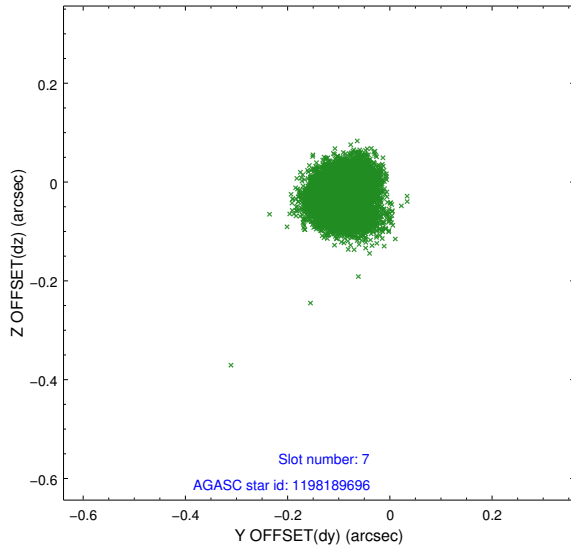
2.4.3 Slot 5



2.4.4 Slot 6

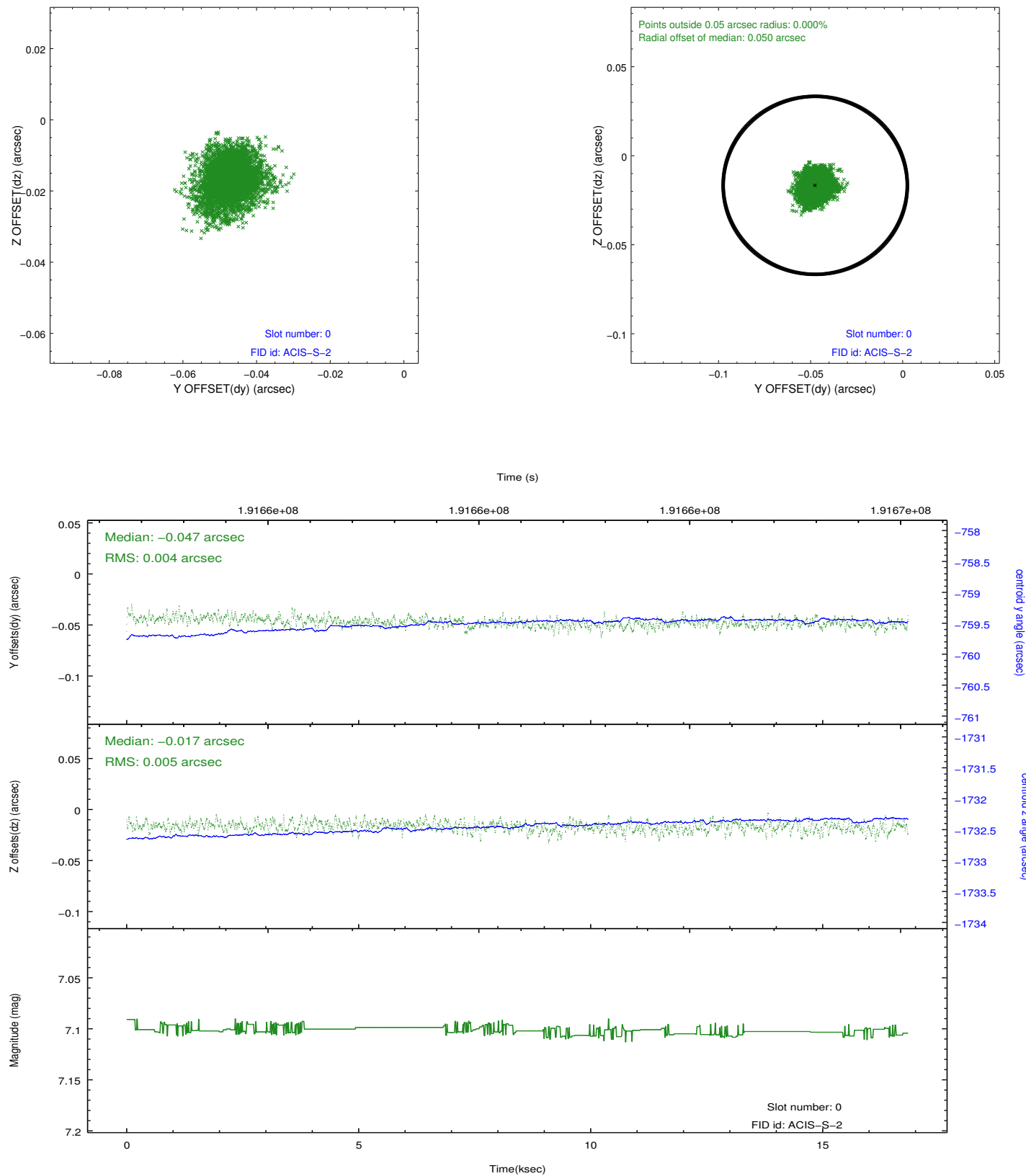


2.4.5 Slot 7

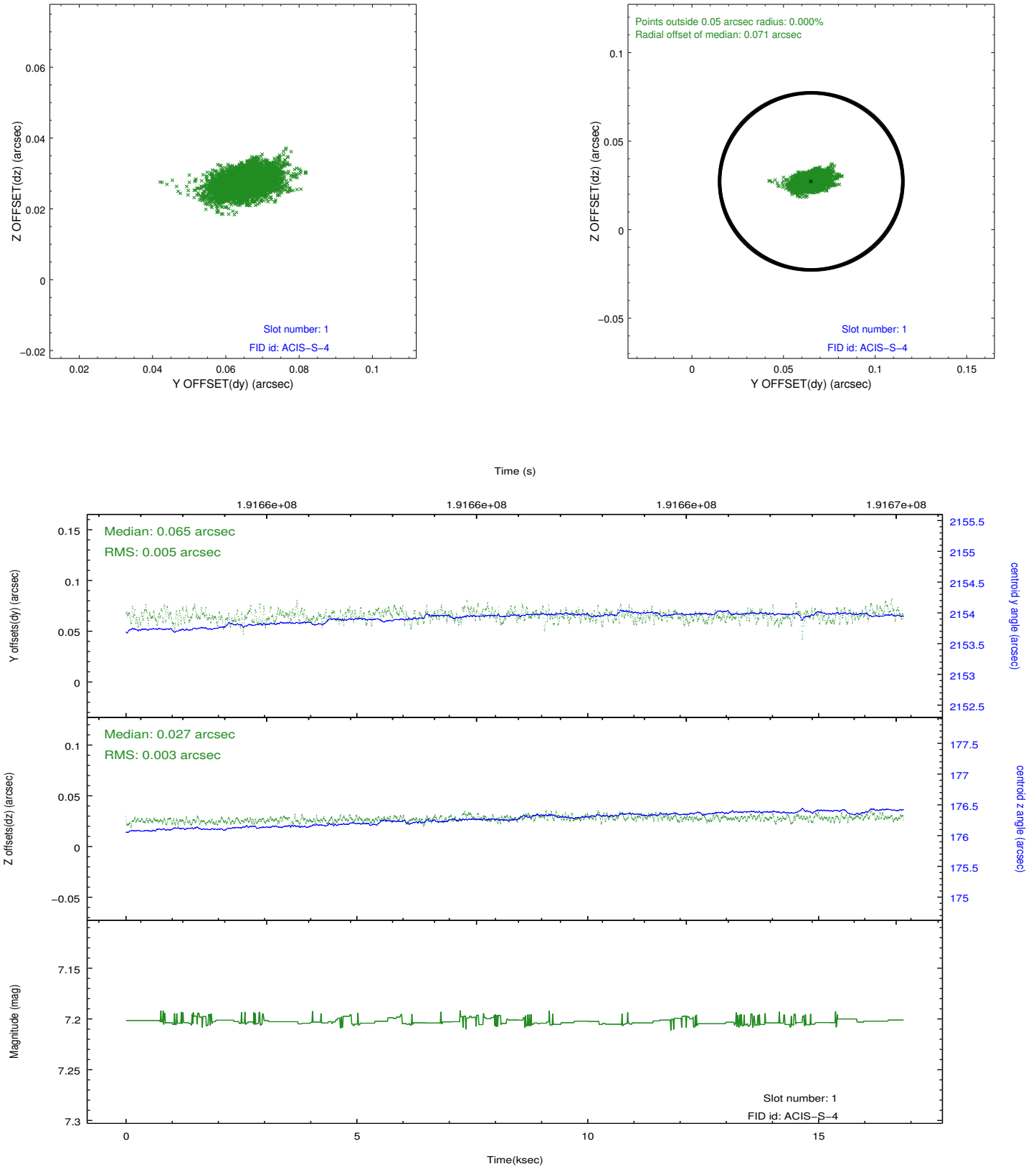


2.5 FID Slots

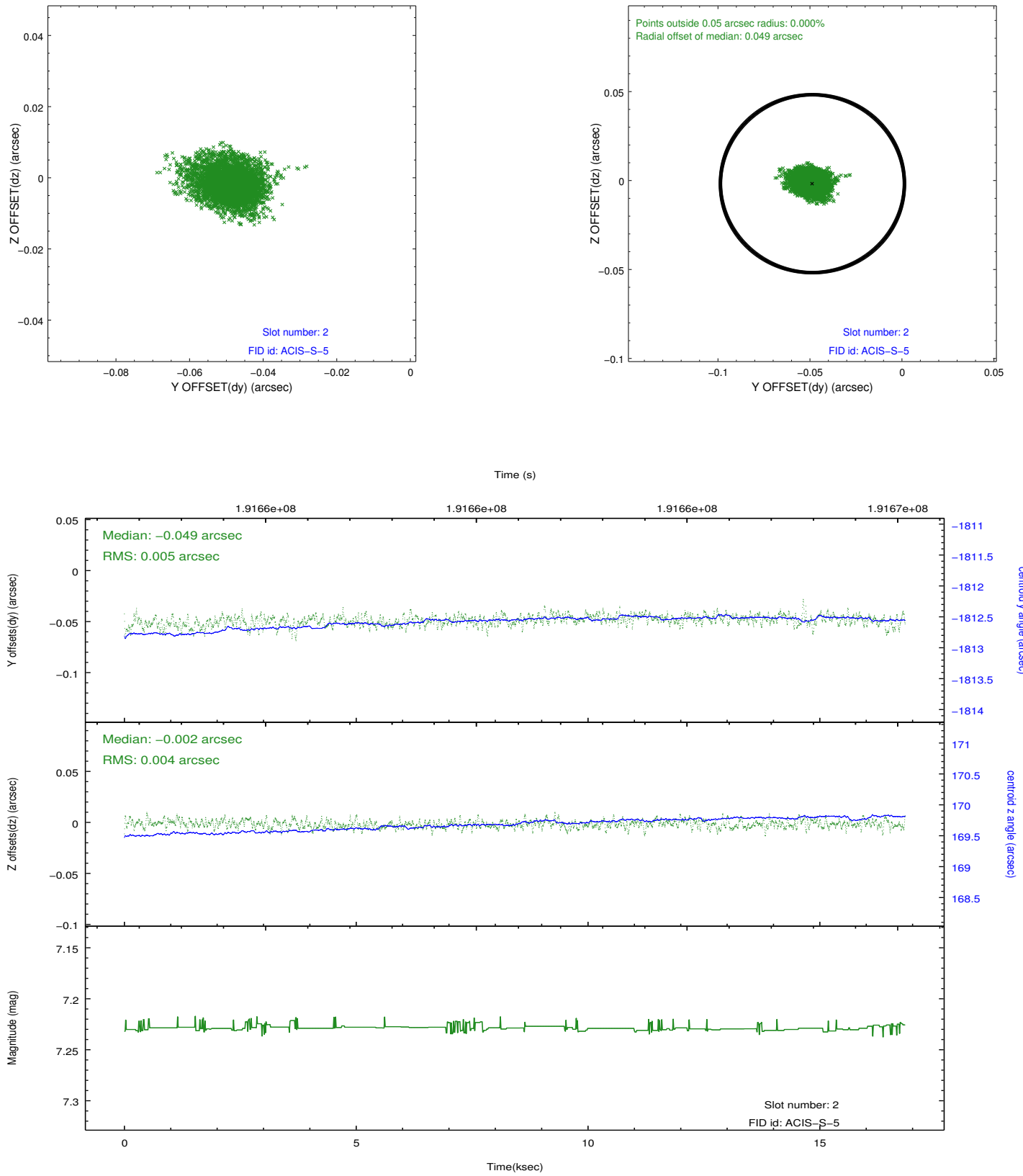
2.5.1 Slot 0



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)	2012.12.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	16.839

A.2 Comments

Monitor constraint met.