

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4620 - L2 Version 3
Chandra X-Ray Center

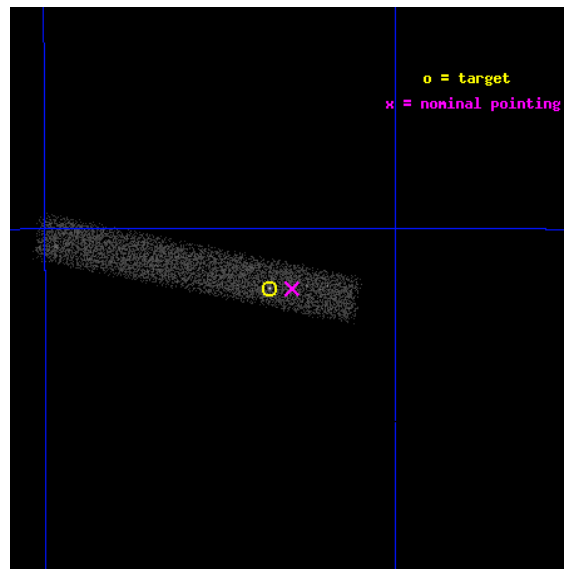
L2 Processing Date : Nov 13 2012

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1 Front

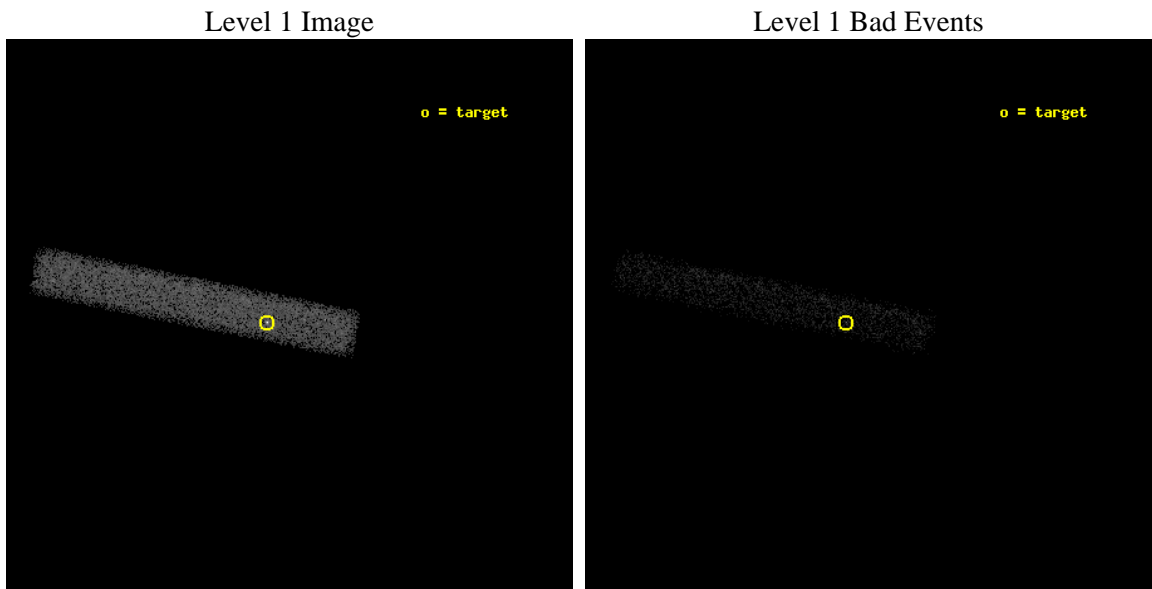
seq_num	500445	Sequence number
obs_id	4620	Observation id
title	PRECISION TIMING OF A POSSIBLE NEW ANOMALOUS X-RAY PULSAR	Proposal
observer	Prof. Bryan Gaensler	Principal investigator
object	CXOU J010043.1-721134	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	15.179583	Observer's specified target RA [deg]
dec_targ	-72.192722	Observer's specified target Dec [deg]
ra_nom	15.147873160669	Nominal RA [deg]
dec_nom	-72.192925742685	Nominal Dec [deg]
roll_nom	191.29117450155	Nominal Roll [deg]
revision	3	Processing version of data
ontime	16780.400250018	Sum of GTIs [s]
livetime	15218.937284616	Livetime [s]
ontime7	16780.400250018	Sum of GTIs [s]
l2events	10435	Number of level 2 events



2 OBI

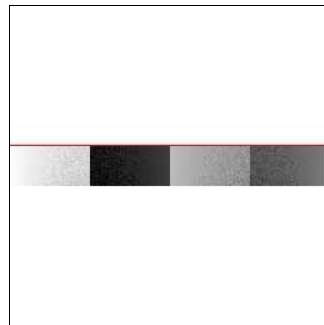
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	16340.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	16780.400250018	Sum of GTIs [s]
caldbver	4.5.2	 	ontime7	16780.400250018	Sum of GTIs [s]
date	2012-11-14T00:39:32	Date and time of file creation	l1events	22395	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

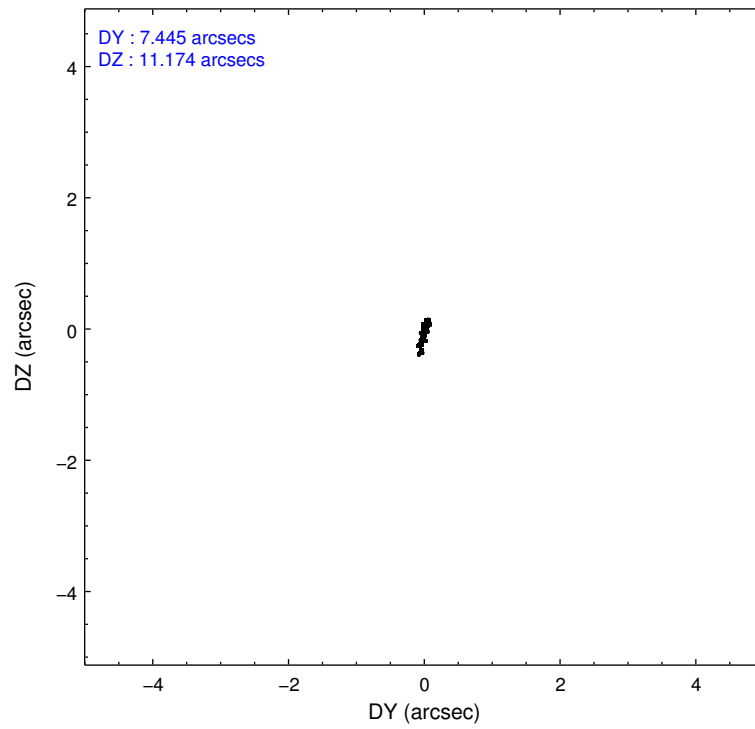
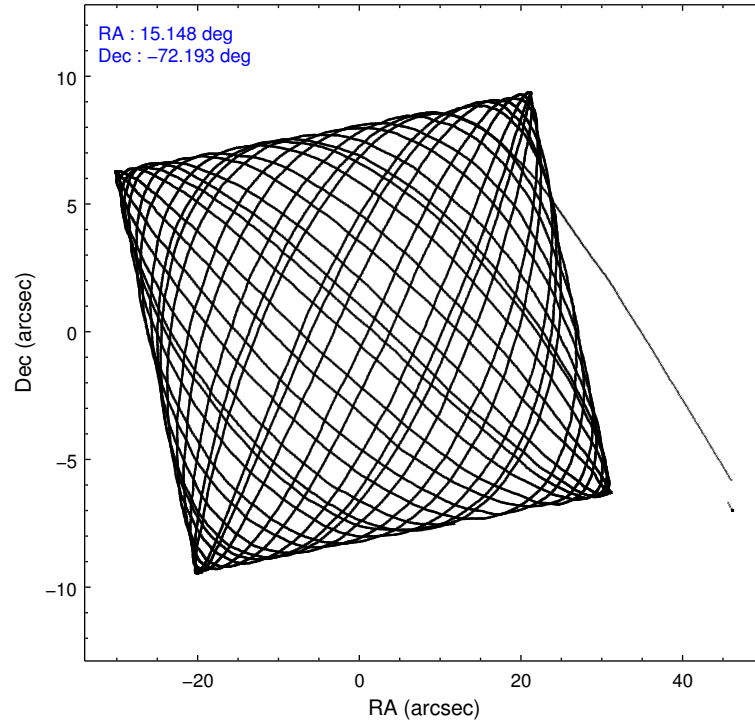
	ccd 7
level 1 events	22395
rejected events	11554
rejected %	51%

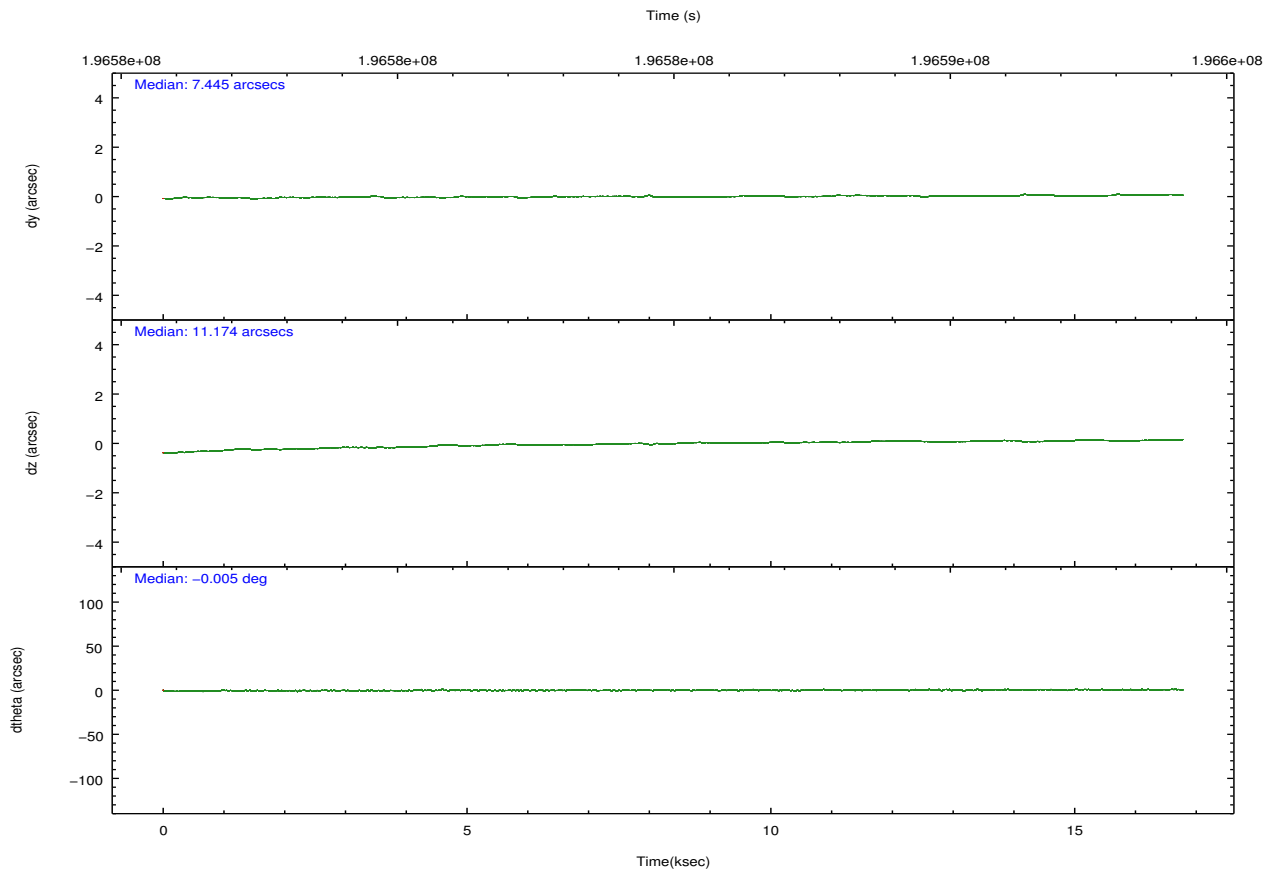
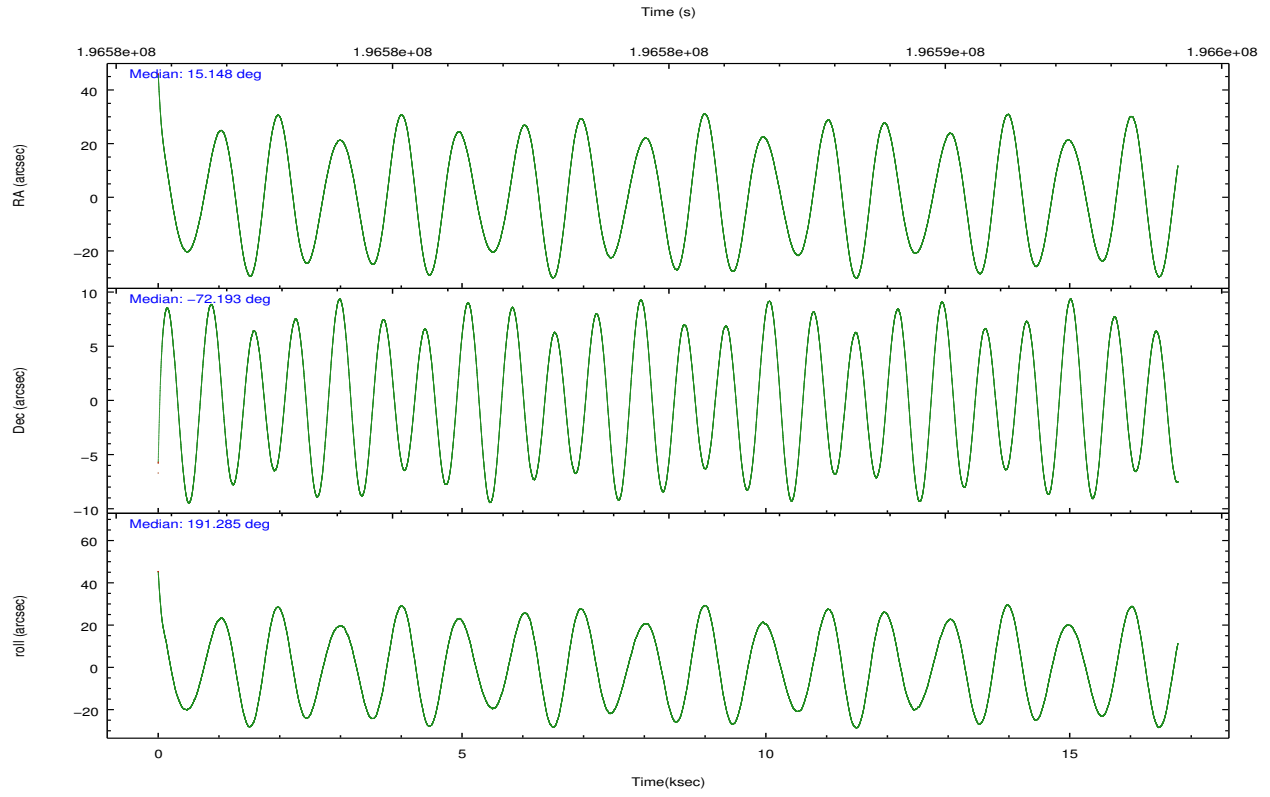
	ccd 7
grade 0 events	1499
	6%
grade 1 events	23
	0%
grade 2 events	2292
	10%
grade 3 events	1474
	6%
grade 4 events	1325
	5%
grade 5 events	1969
	8%
grade 6 events	4478
	19%
grade 7 events	9335
	41%

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	15.213993	15.14787316066872	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-72.174694	-72.19292574268492	Subarray start row	449	449
[deg] Pointing Roll	191.197498	191.2911745015533	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)	196577033.184000	196575945.54101			
Observation start date	2004-03-25T04:42:49	2004-03-25T04:25:45			
[s] Observation end time (MET)	196593373.184000	196594148.00431			
Observation end date	2004-03-25T09:15:09	2004-03-25T09:29:08			
Read mode	TIMED	TIMED			

2.3 Aspect



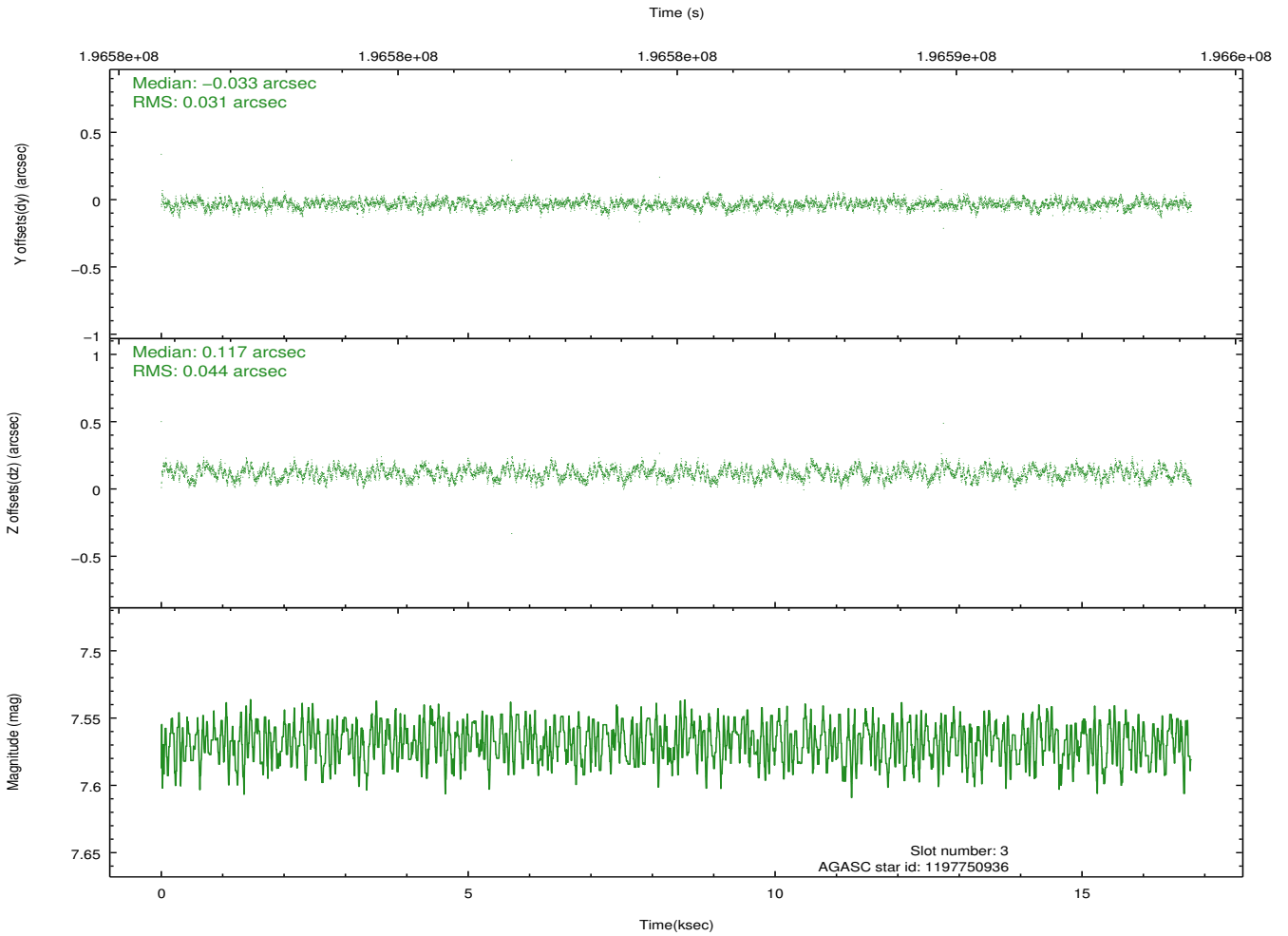
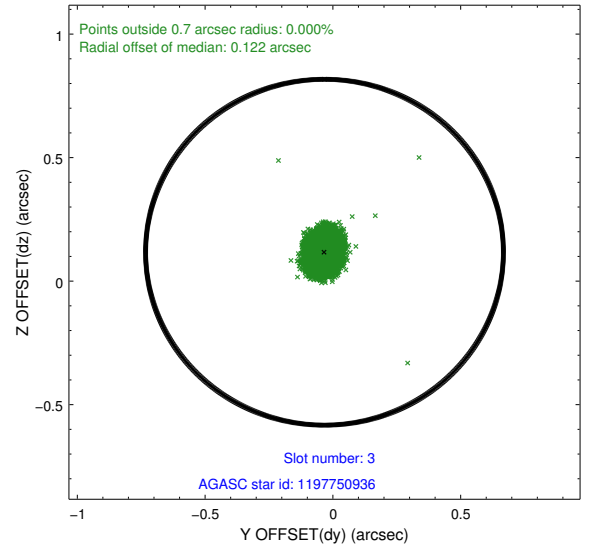
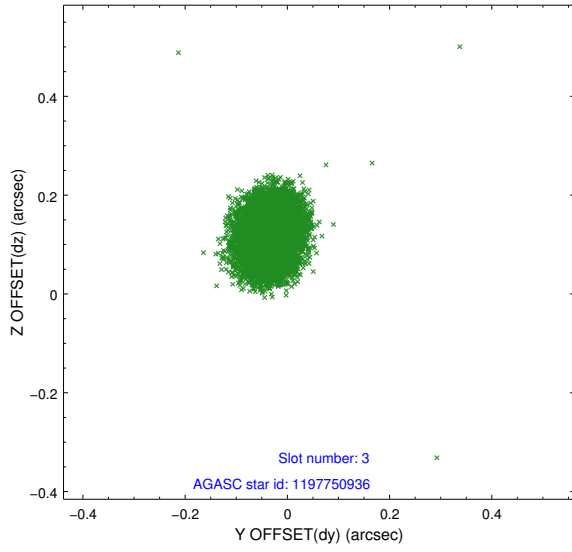


Slot Statistics

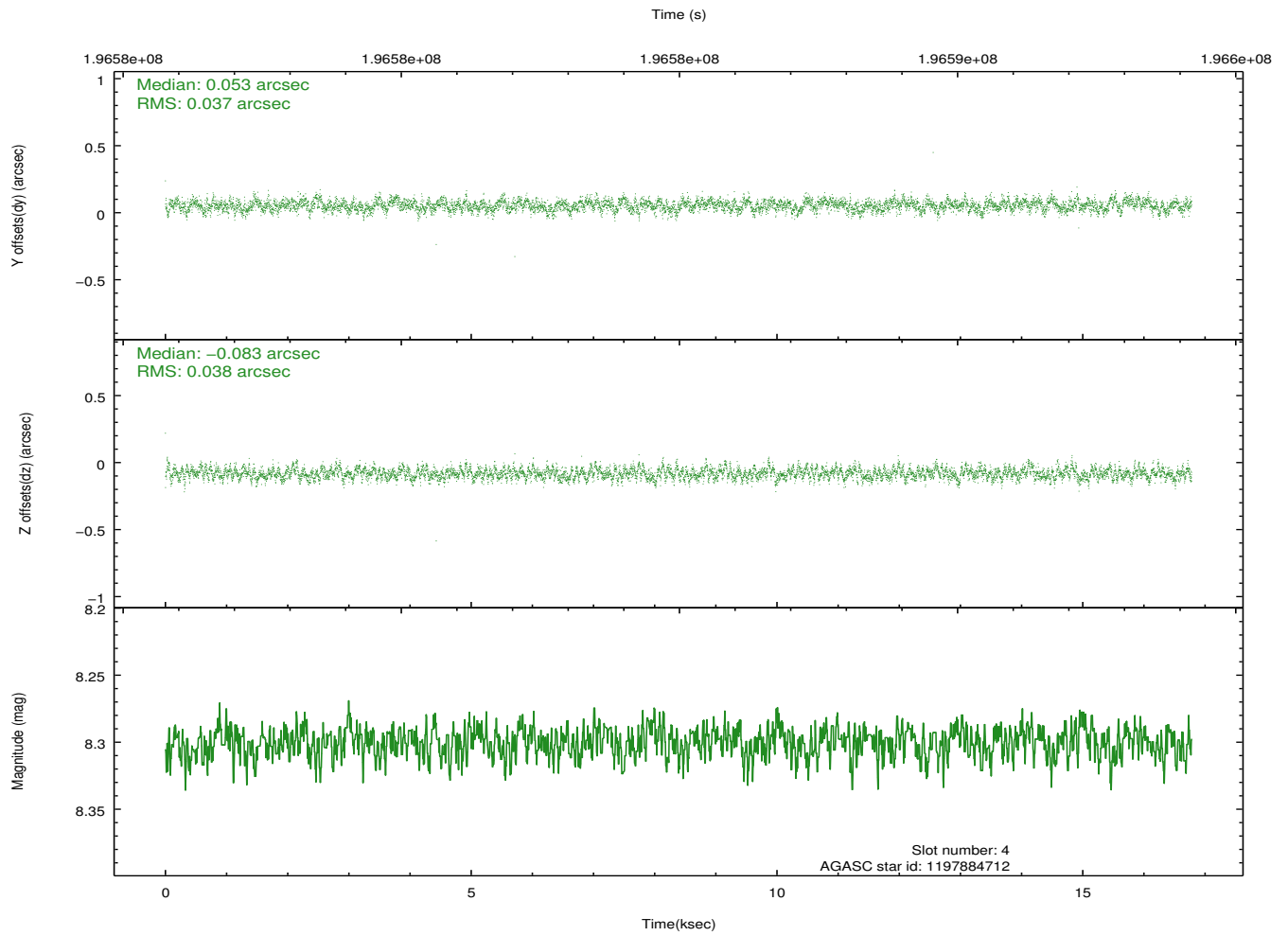
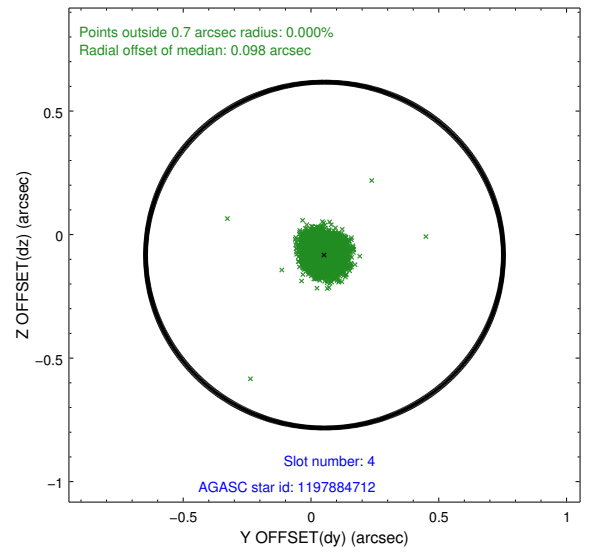
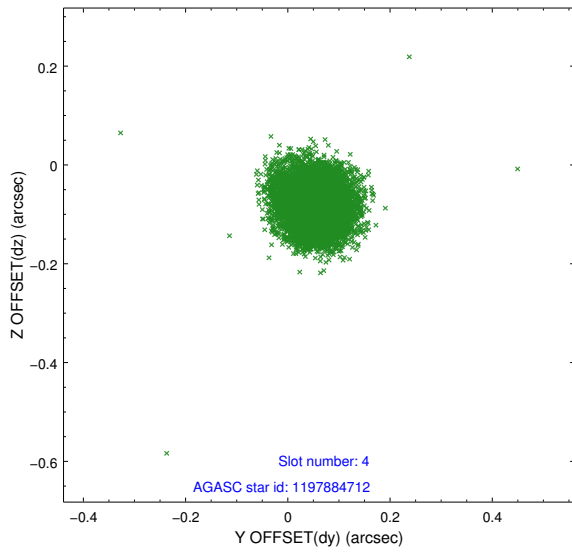
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	4094	-0.033	-0.006	0.008	0.013	0.000000	0.000000	-760.22	-1732.38
1	FID	ACIS-S-4	7.20	4093	0.062	0.017	0.006	0.010	0.000000	0.000000	2153.01	175.91
2	FID	ACIS-S-5	7.23	4094	-0.061	-0.003	0.007	0.012	0.000000	0.000000	-1812.79	169.79
3	GUIDE	1197750936	7.57	8186	-0.033	0.117	0.058	0.089	15.387940	-71.549550	-630.99	-2168.19
4	GUIDE	1197884712	8.30	8186	0.053	-0.083	0.055	0.090	16.087398	-72.252690	-884.15	468.46
5	GUIDE	1197885328	7.23	8187	0.021	0.078	0.061	0.096	16.283090	-71.733943	-1489.55	-1311.42
6	GUIDE	1198189696	7.35	8187	-0.144	-0.153	0.055	0.086	15.223750	-72.697522	354.87	1848.67
7	GUIDE	1197884536	8.50	8185	0.105	0.046	0.060	0.094	17.160729	-71.835289	-2372.84	-739.30

2.4 Star Slots

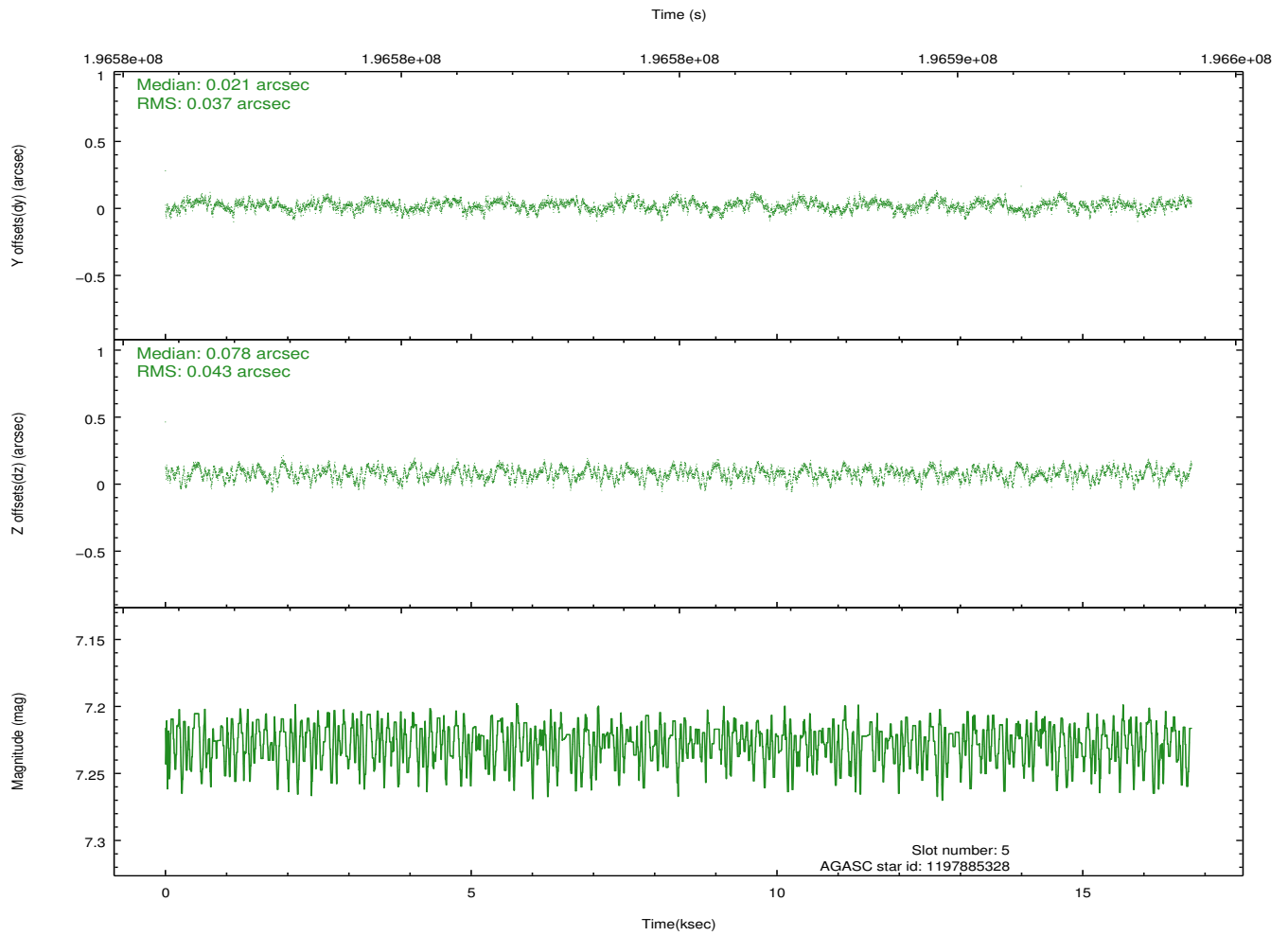
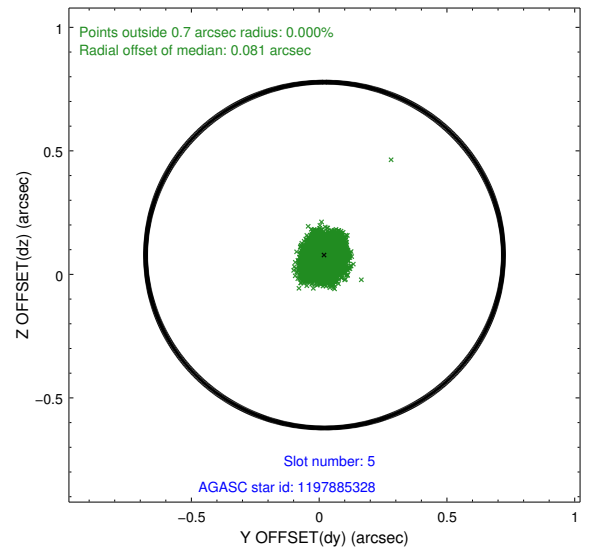
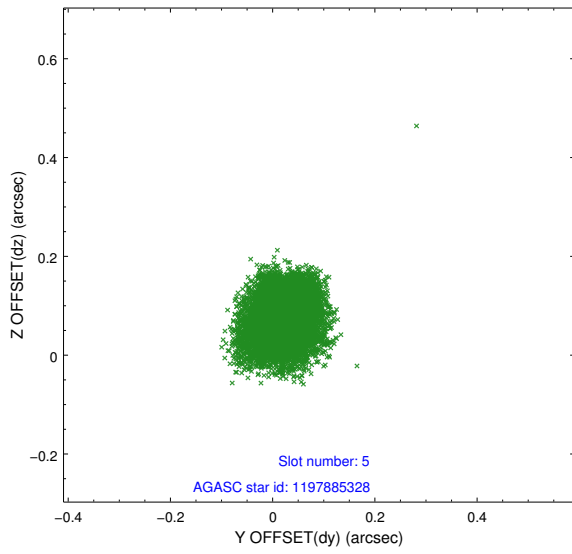
2.4.1 Slot 3



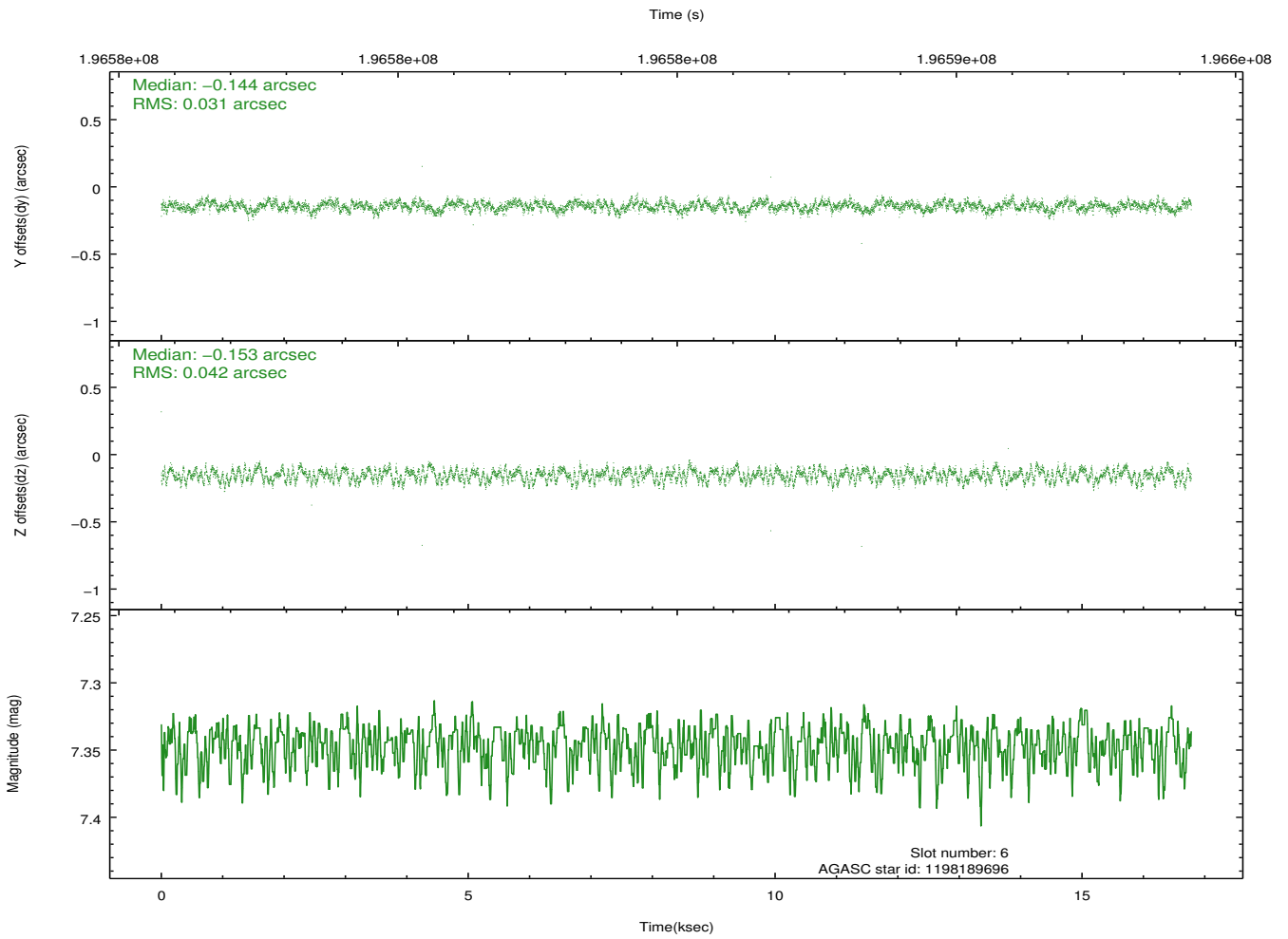
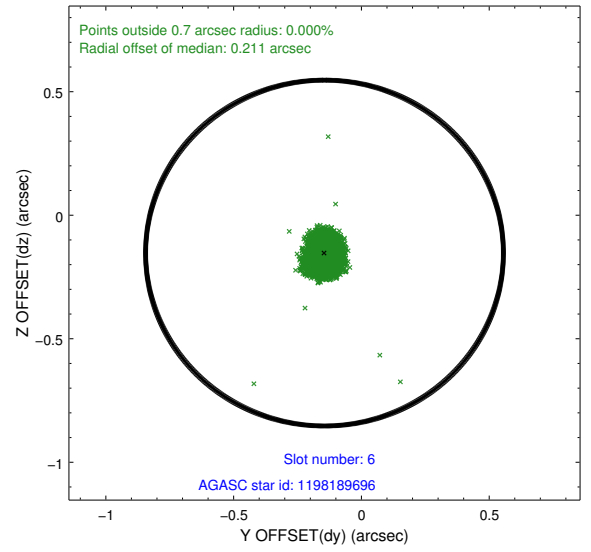
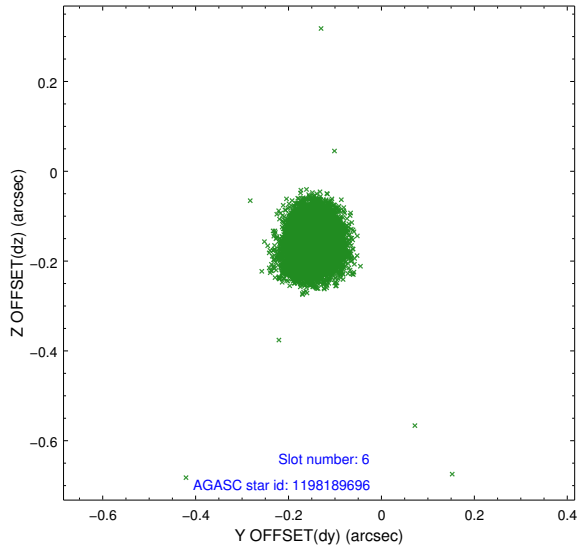
2.4.2 Slot 4



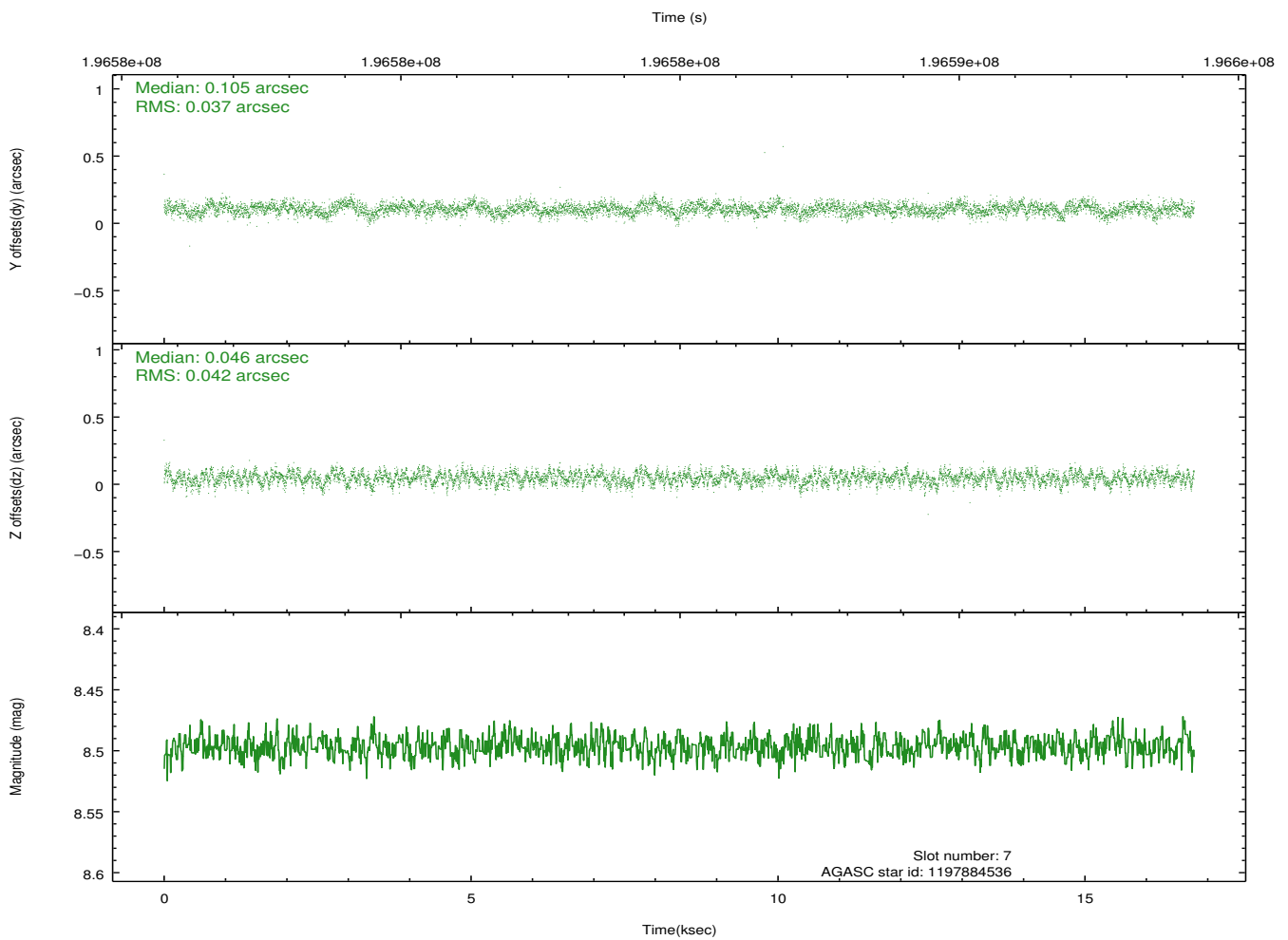
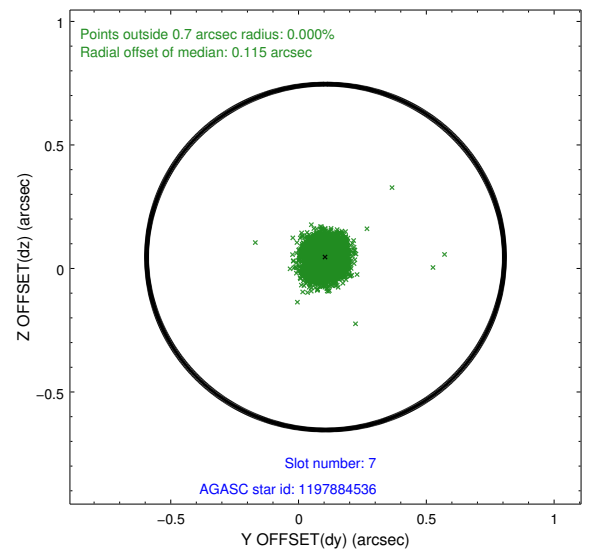
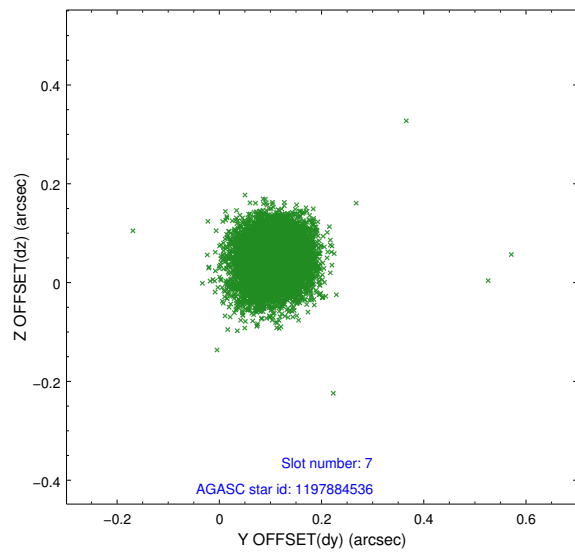
2.4.3 Slot 5



2.4.4 Slot 6

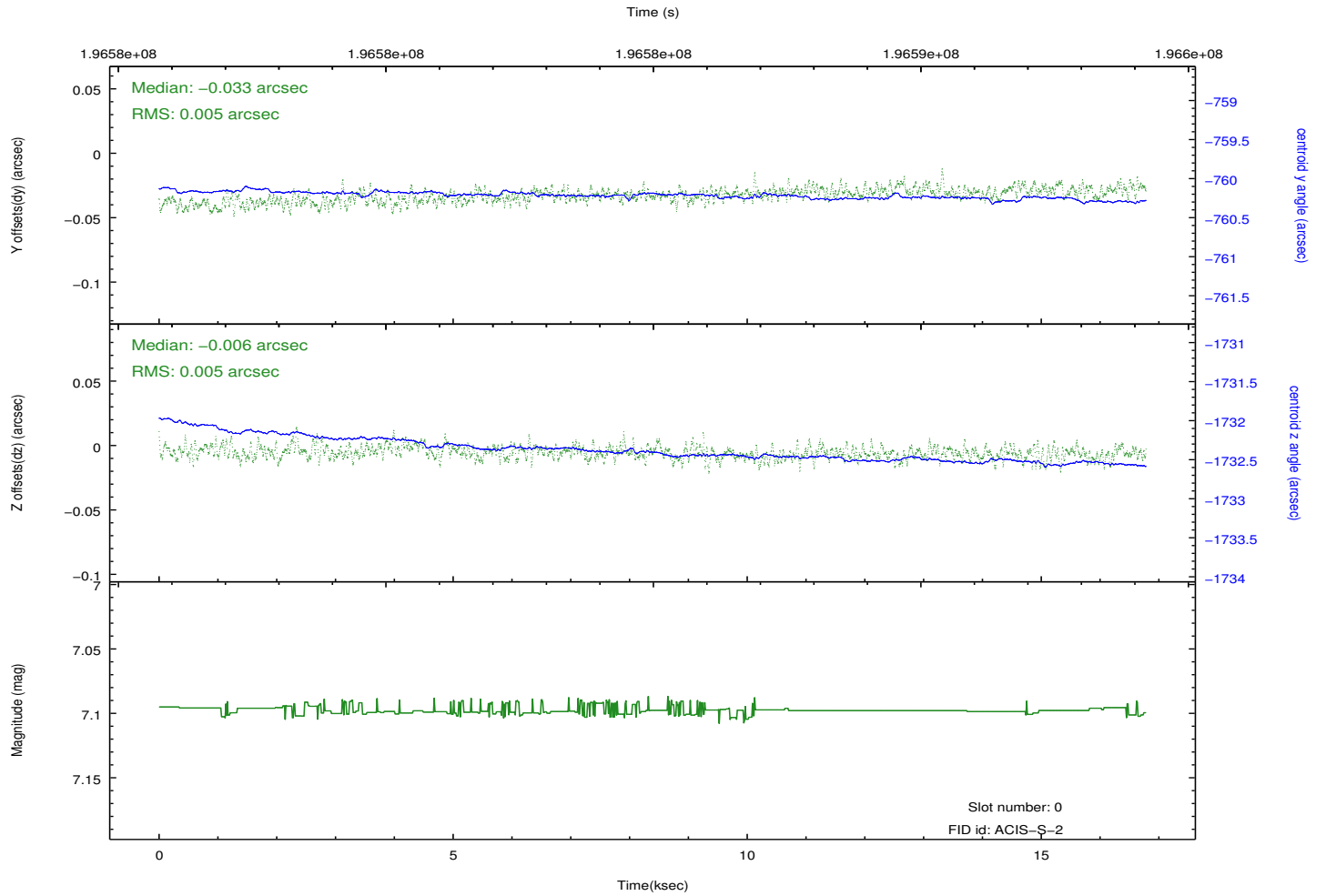
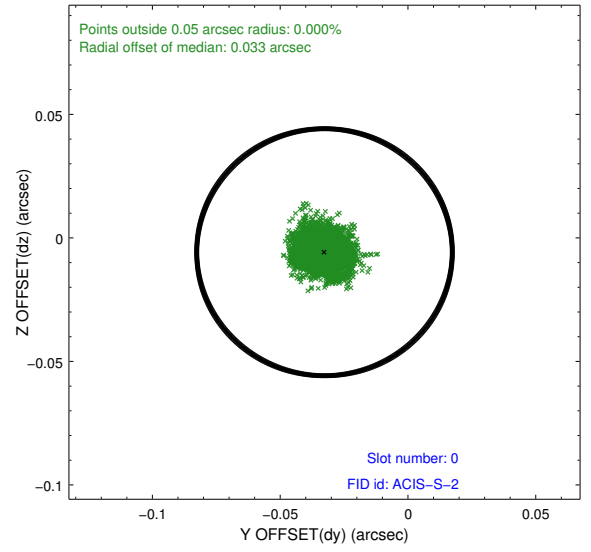
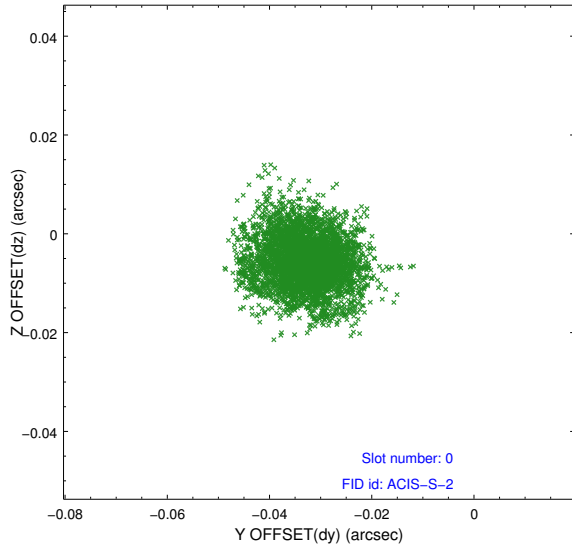


2.4.5 Slot 7

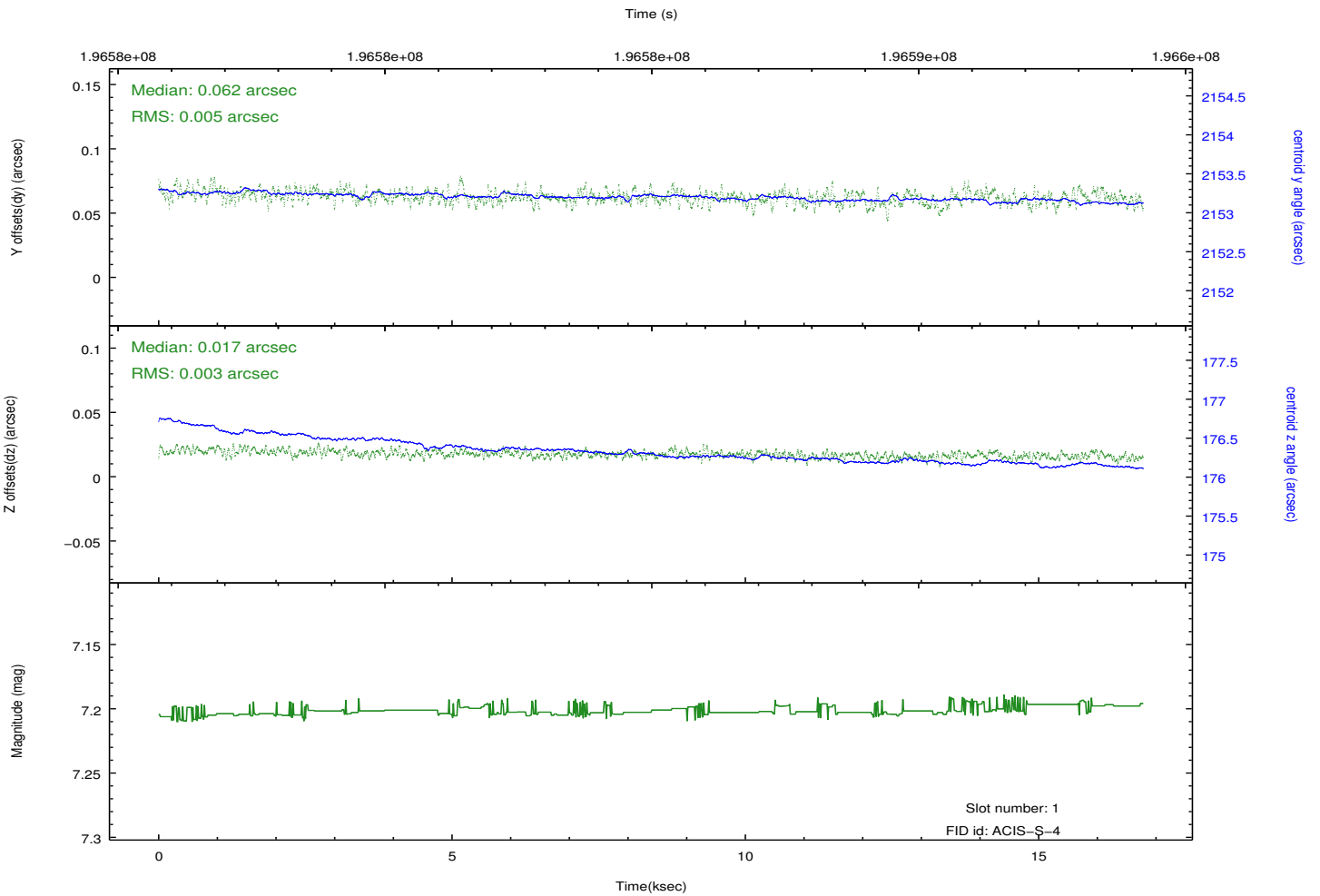
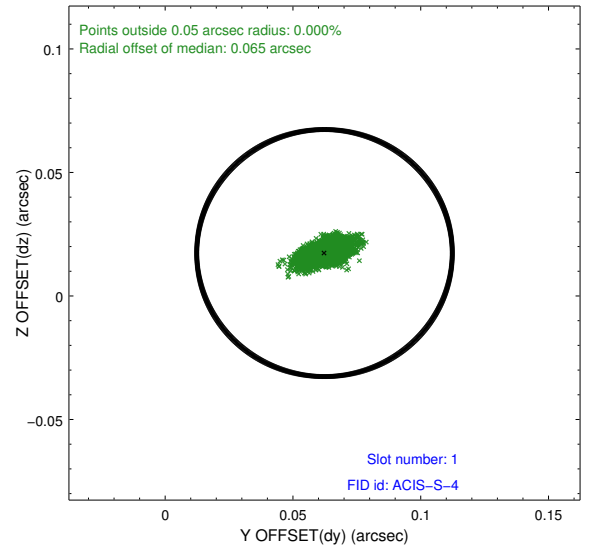
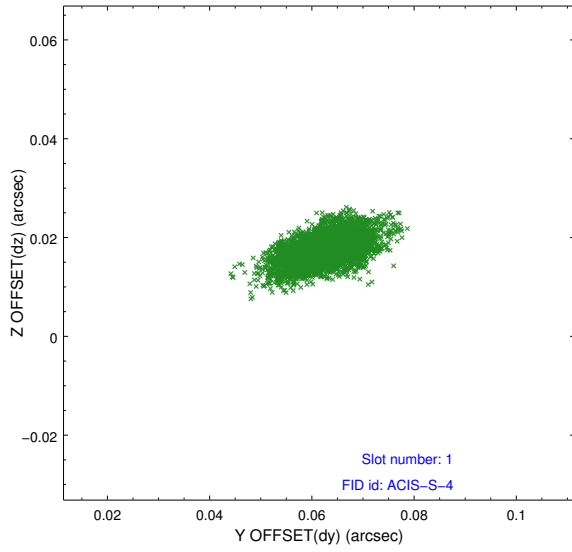


2.5 FID Slots

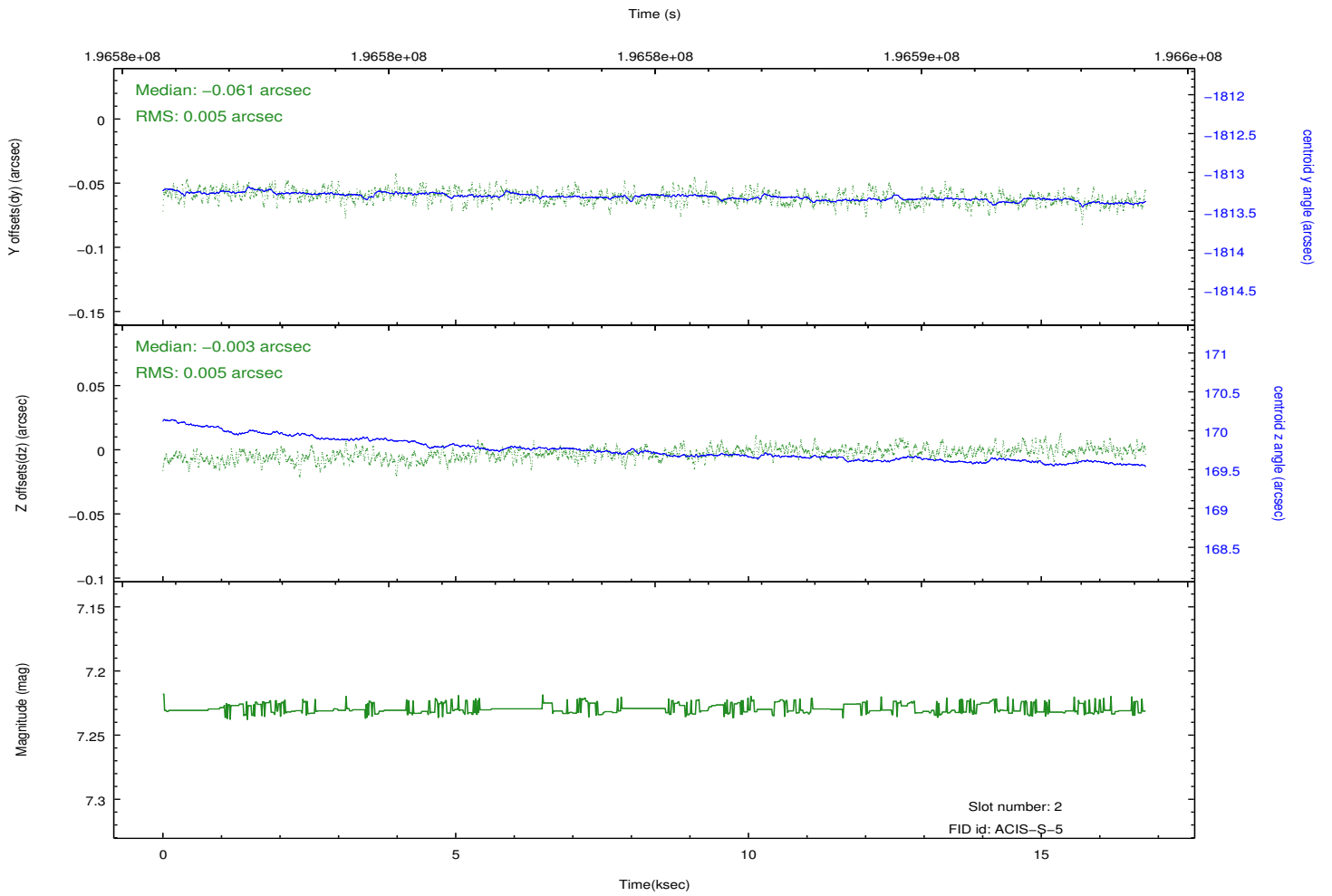
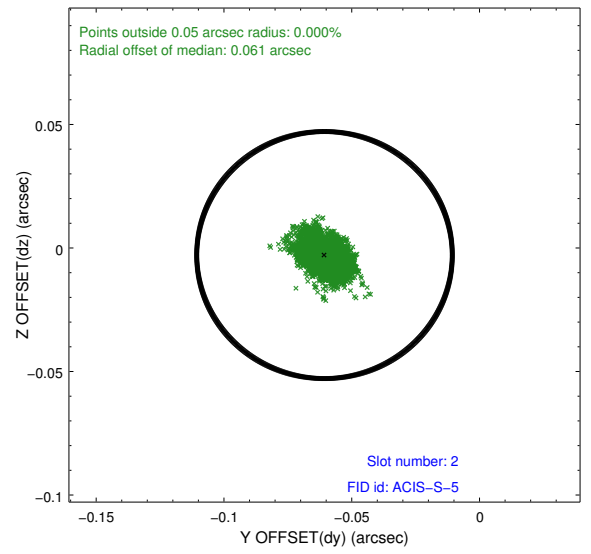
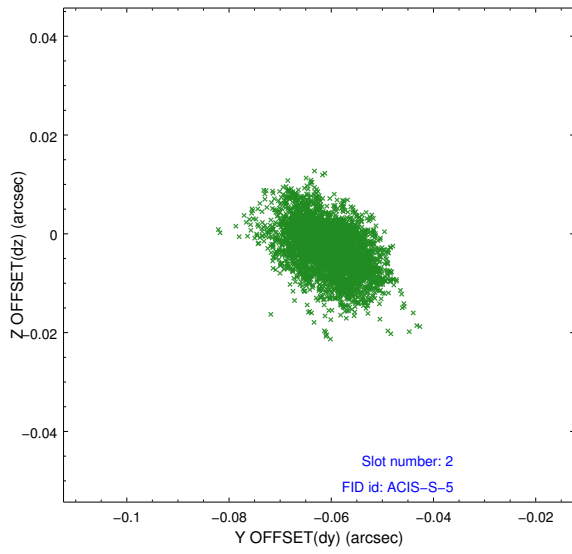
2.5.1 Slot 0



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)	2012.12.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	16.78

A.2 Comments