

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11824 - L2 Version 2
Chandra X-Ray Center

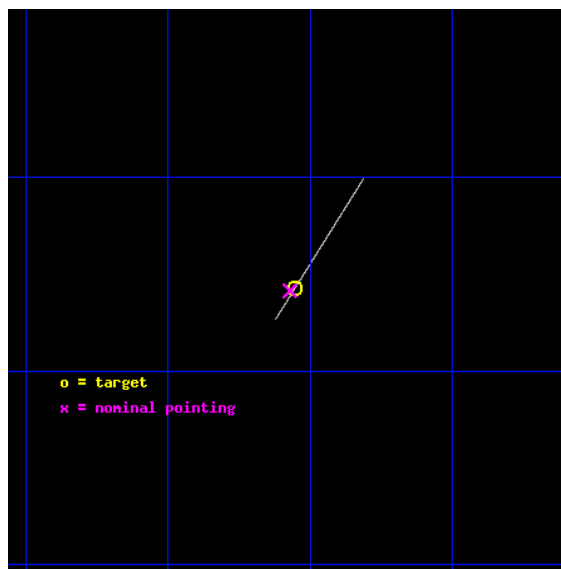
L2 Processing Date : Jun 18 2012

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1 Front

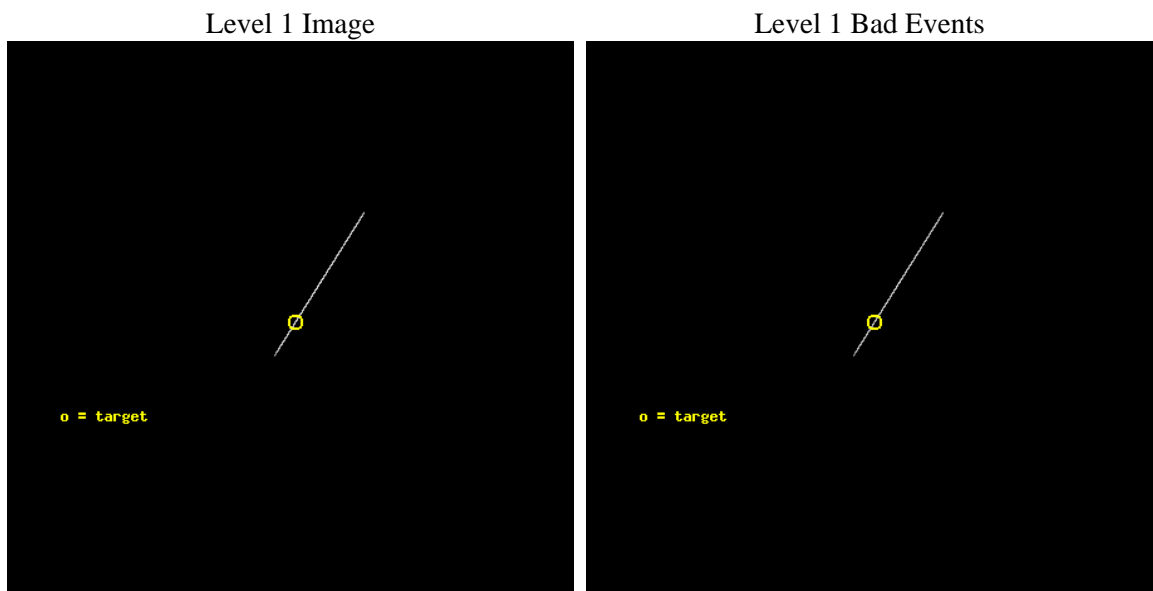
seq_num	501341	Sequence number
obs_id	11824	Observation id
title	Completing the Timing of Two Isolated Neutron Stars	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	RX J2143.0+0654	Source name
ra_targ	325.76375	Observer's specified target RA [deg]
dec_targ	6.904722	Observer's specified target Dec [deg]
ra_nom	325.76811943115	Nominal RA [deg]
dec_nom	6.9026102208519	Nominal Dec [deg]
roll_nom	302.32285825717	Nominal Roll [deg]
revision	2	Processing version of data
ontime	12149.25	Sum of GTIs [s]
livetime	12101.791992188	Livetime [s]
ontime7	12149.25	Sum of GTIs [s]
l2events	60773	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	12000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	12149.25	Sum of GTIs [s]
caldsver	4.4.10	 	ontime7	12149.25	Sum of GTIs [s]
date	2012-06-18T18:54:43	Date and time of file creation	l1events	207913	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

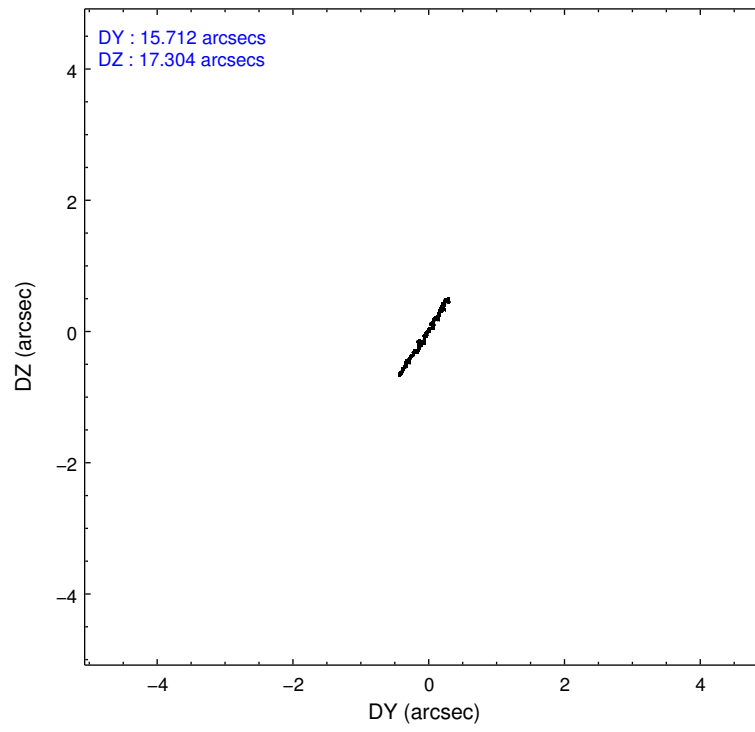
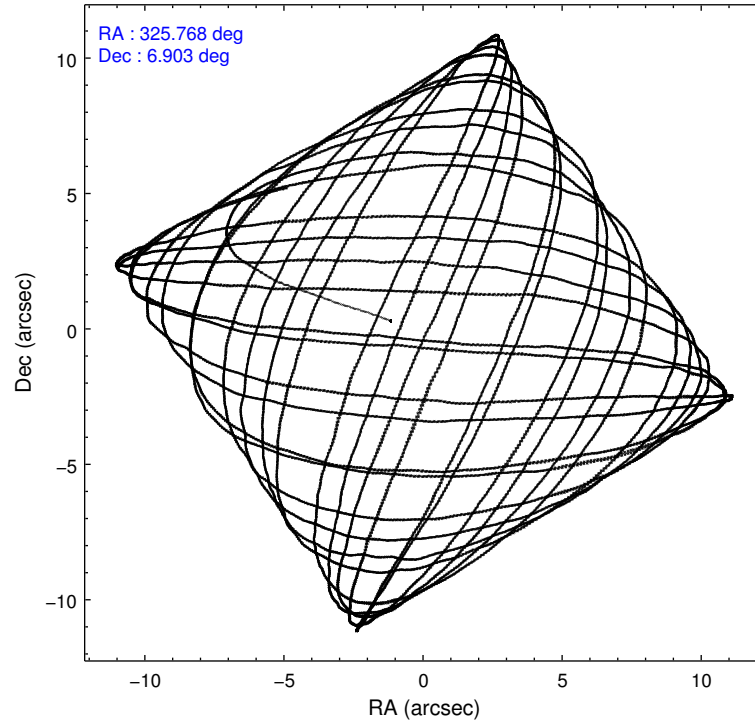
	ccd 7
level 1 events	207913
rejected events	144247
rejected %	69%

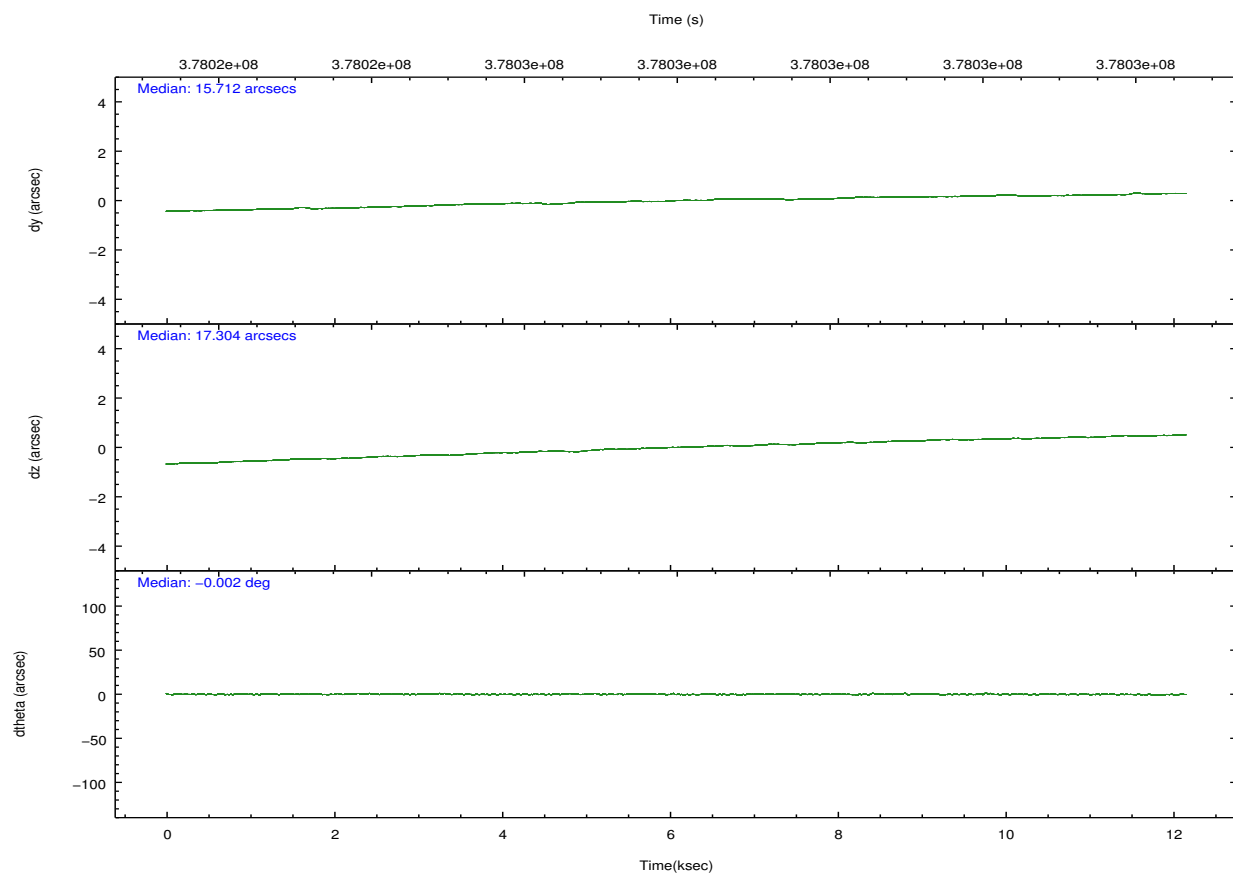
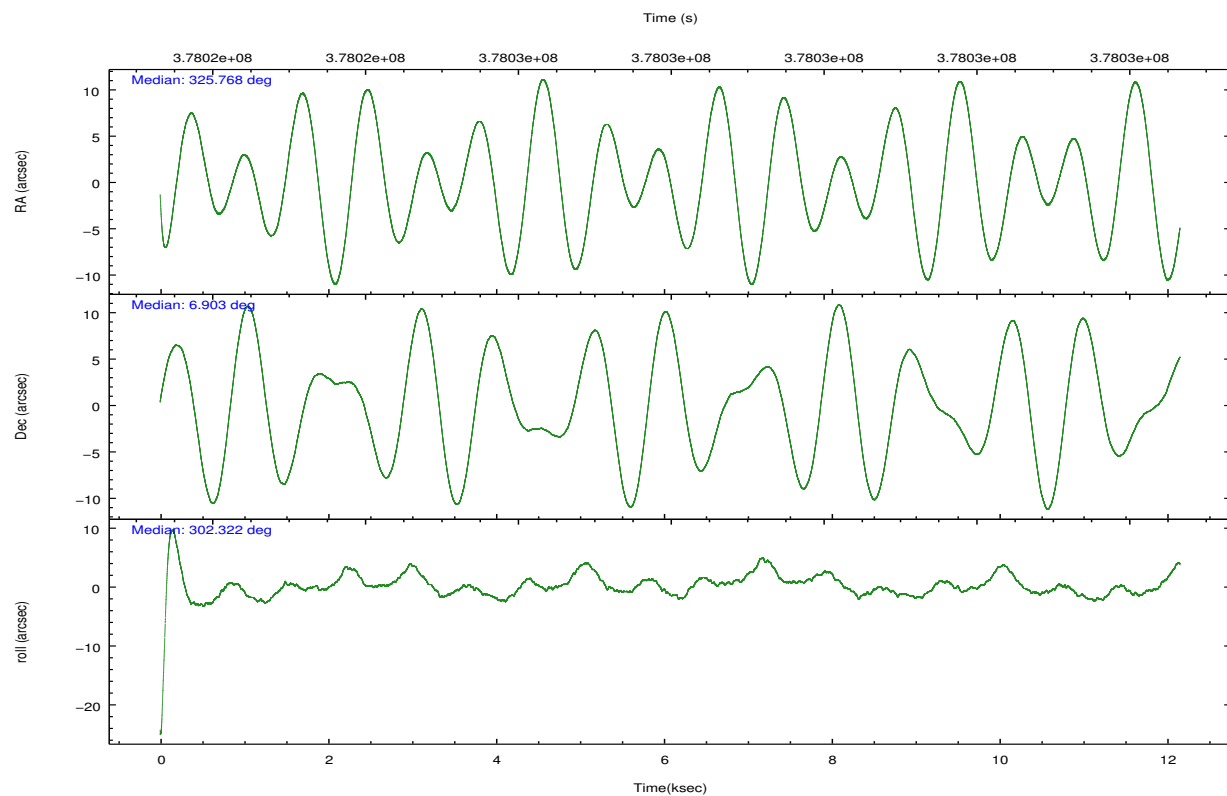
	ccd 7
grade 0 events	7368
	3%
grade 1 events	219
	0%
grade 2 events	18428
	8%
grade 3 events	4395
	2%
grade 4 events	4349
	2%
grade 5 events	14645
	7%
grade 6 events	36039
	17%
grade 7 events	122470
	58%

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	CC33_FAINT	CC33_FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	325.743579	325.768119431154	Subarray requested	NONE	NONE
[deg] Pointing Dec	6.914970	6.902610220851944	Alternating exposures requested	N	N
[deg] Pointing Roll	302.169230	302.3228582571676	[s] Primary exposure time	0.000000	0
[s] Window start time (MET)	377222466.184000	377222466.184000			
[s] Window stop time (MET)	379209666.184000	379209666.184000			
[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)	378022062.184000	378020527.3153			
Observation start date	2009-12-24T06:06:36	2009-12-24T05:42:07			
[s] Observation end time (MET)	378034062.184000	378035365.21605			
Observation end date	2009-12-24T09:26:36	2009-12-24T09:49:25			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



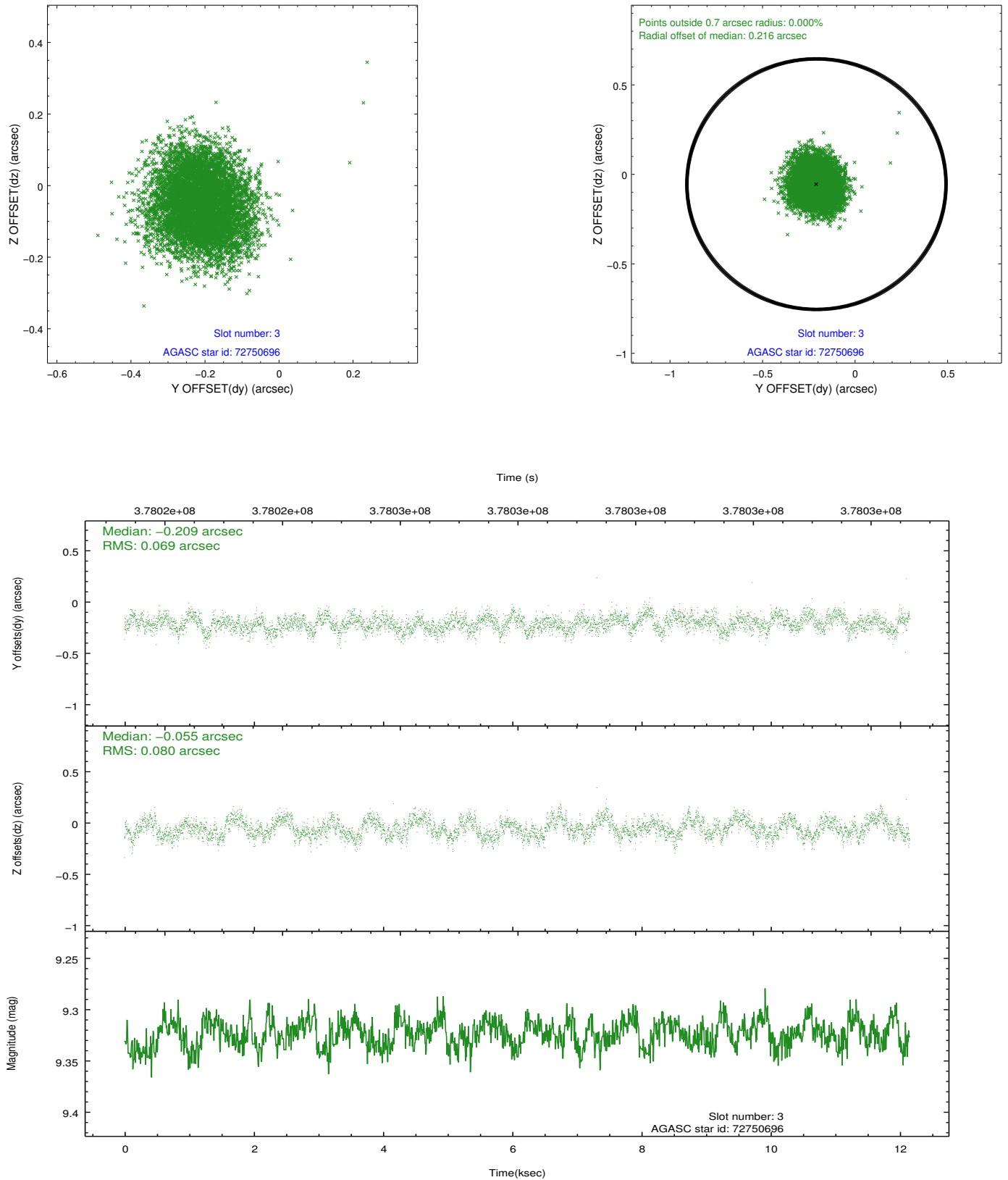


Slot Statistics

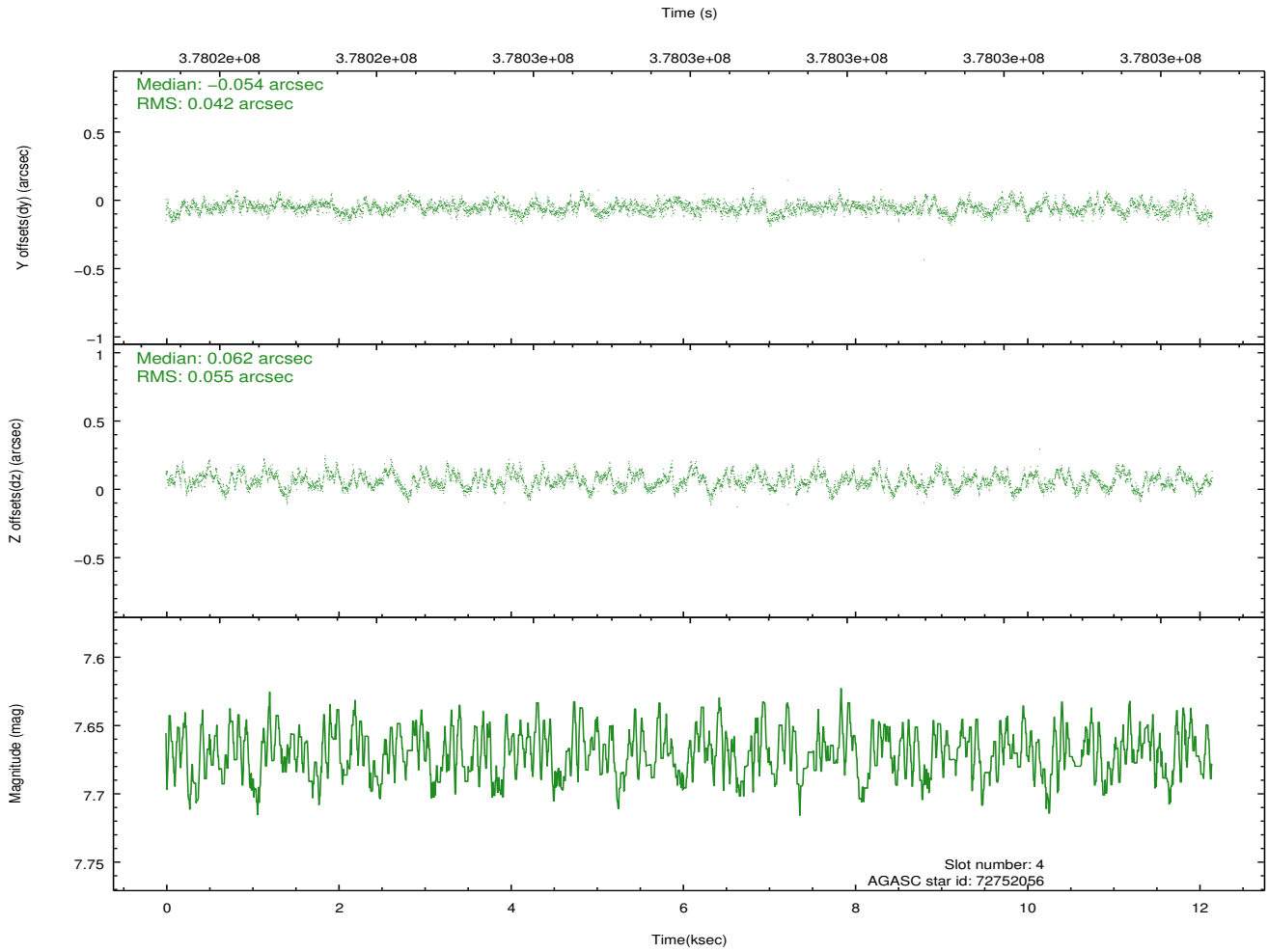
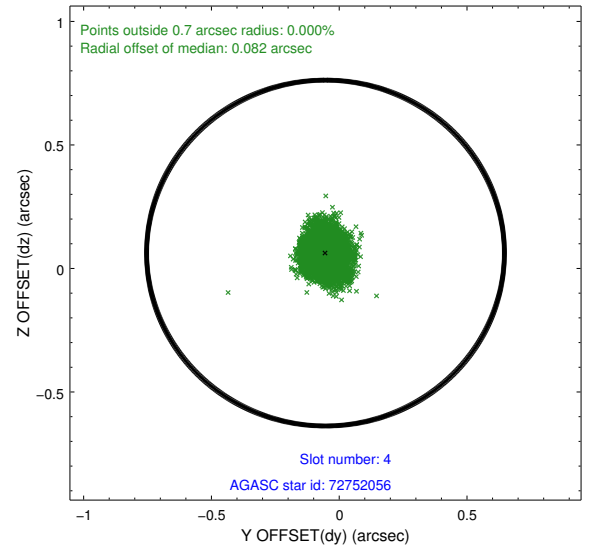
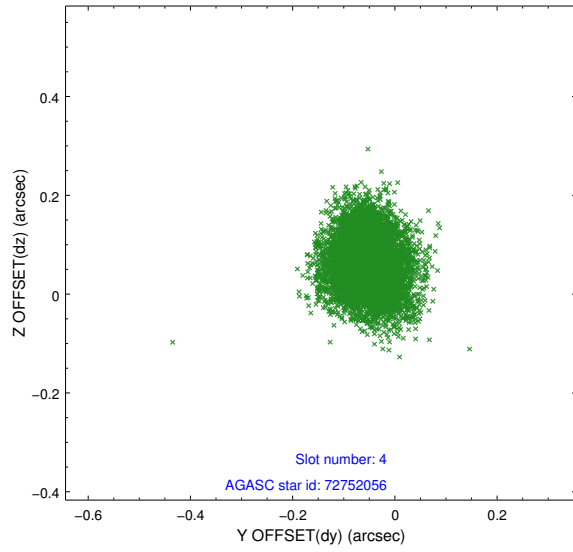
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.87	2965	-0.090	-0.047	0.018	0.027	0.000000	0.000000	-768.81	-1738.73
1	FID	ACIS-S-4	6.95	2965	0.105	0.049	0.009	0.014	0.000000	0.000000	2144.53	169.33
2	FID	ACIS-S-6	7.09	2965	-0.045	0.002	0.013	0.019	0.000000	0.000000	393.82	807.20
3	GUIDE	72750696	9.32	5923	-0.209	-0.055	0.113	0.177	325.476837	7.372250	-1900.30	71.00
4	GUIDE	72752056	7.67	5928	-0.054	0.062	0.074	0.118	326.033014	7.158258	-191.67	1341.84
5	GUIDE	72753672	8.35	5928	0.072	-0.016	0.076	0.120	325.887840	7.391552	-1177.86	1349.78
6	GUIDE	72886464	9.65	5921	0.145	-0.063	0.134	0.209	326.252259	6.605322	1911.75	946.75
7	GUIDE	72756808	9.49	5928	0.041	0.062	0.103	0.170	326.026379	6.362023	2224.13	-202.88

2.4 Star Slots

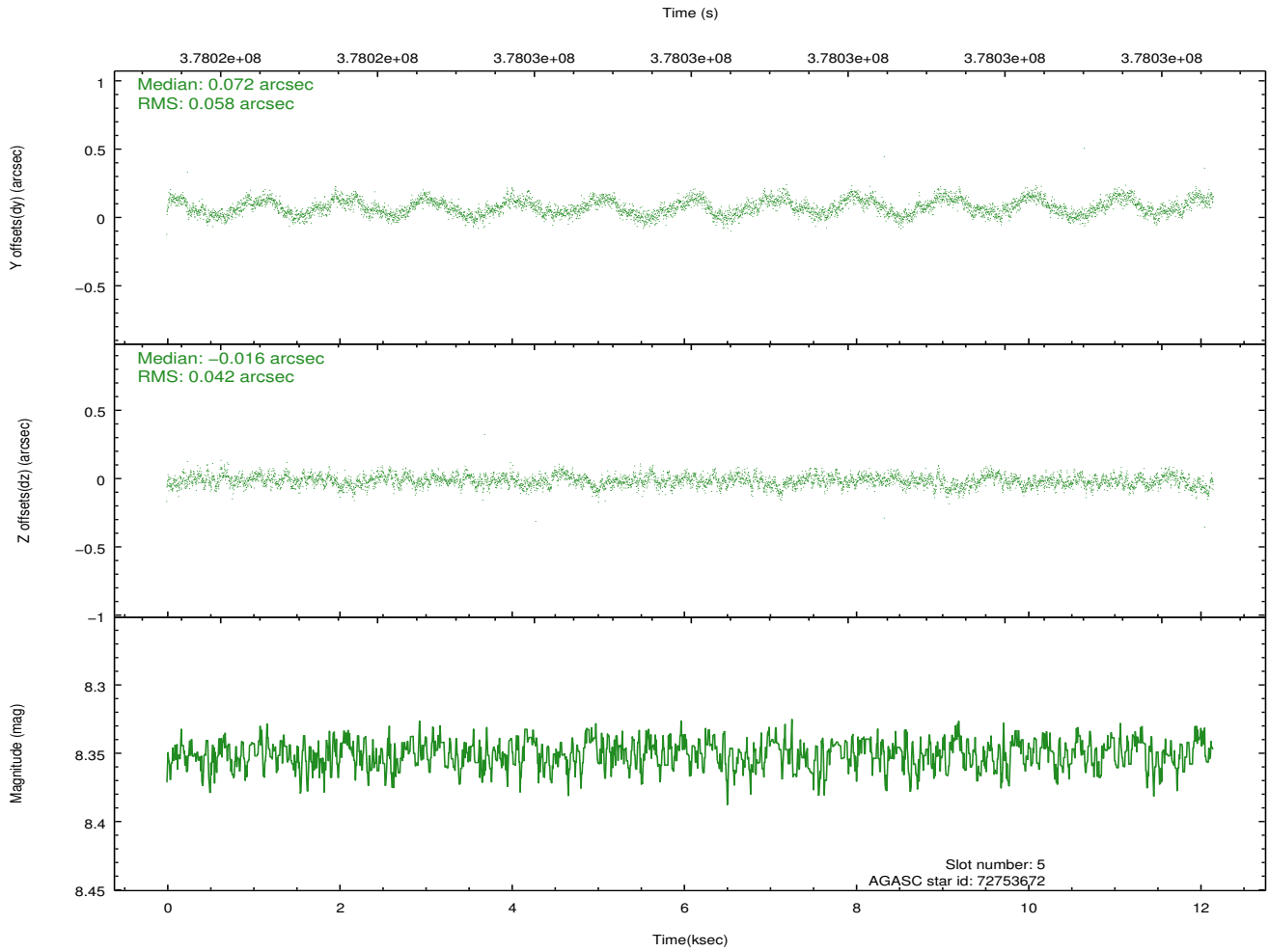
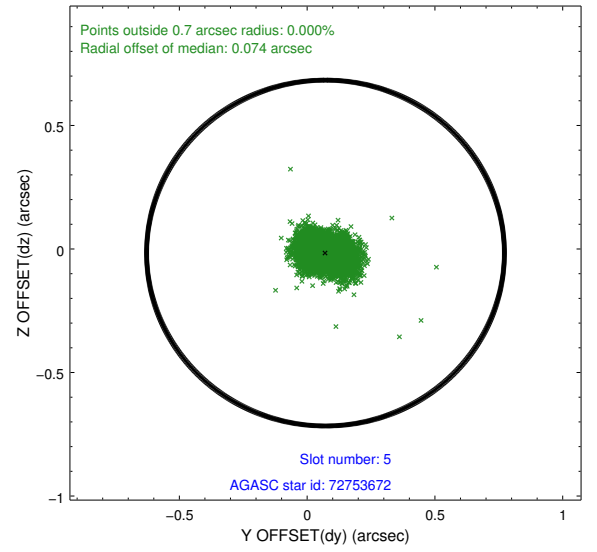
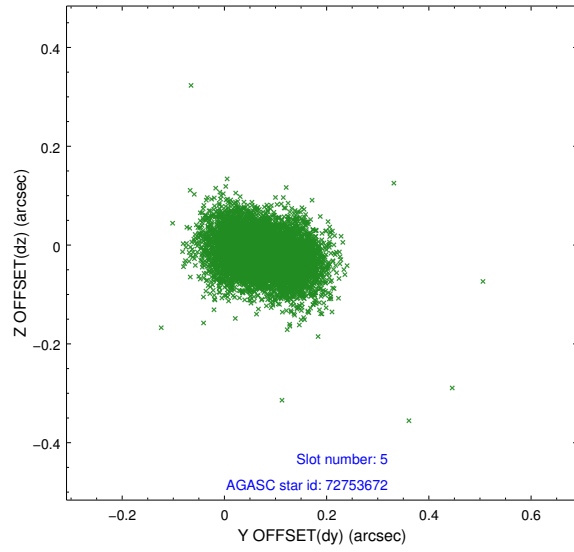
2.4.1 Slot 3



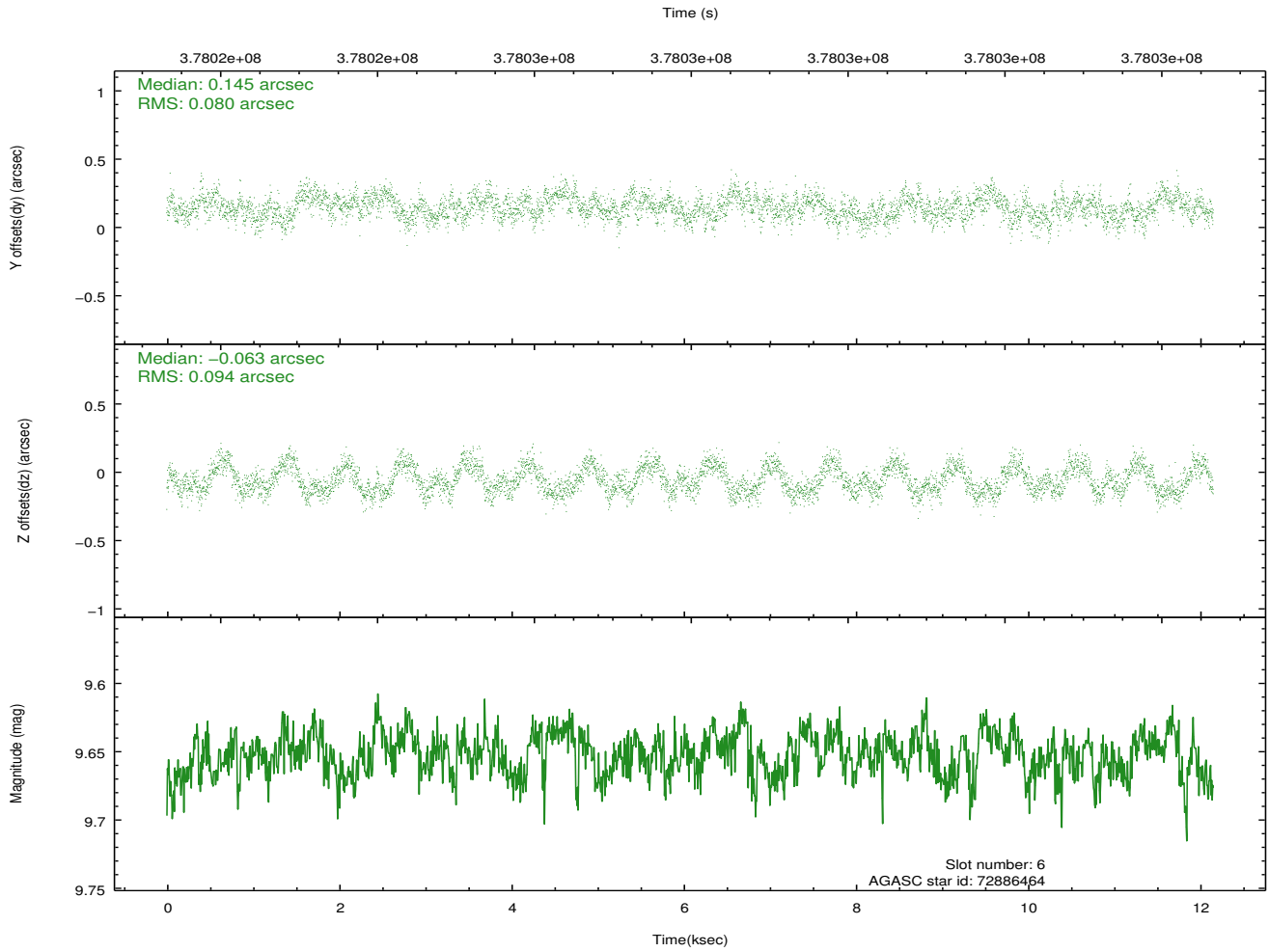
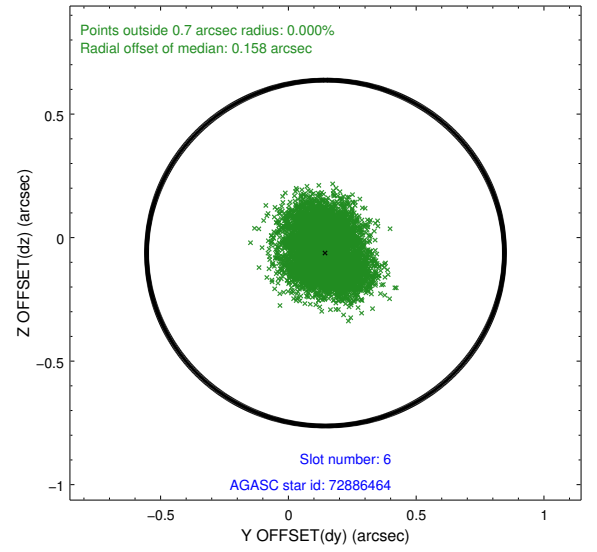
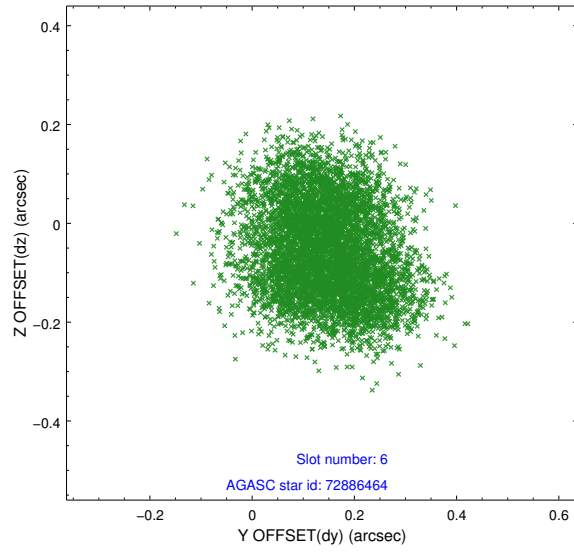
2.4.2 Slot 4



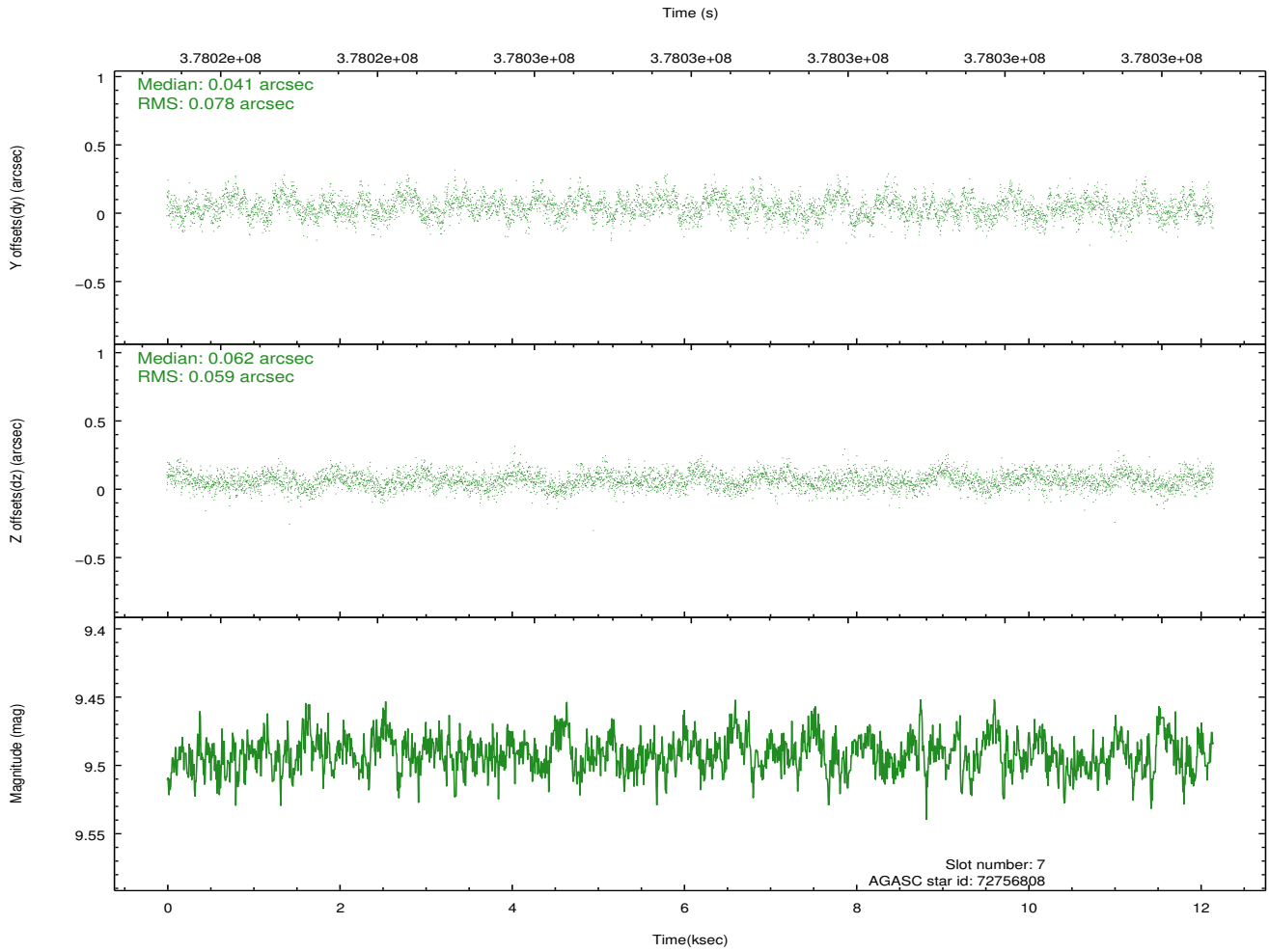
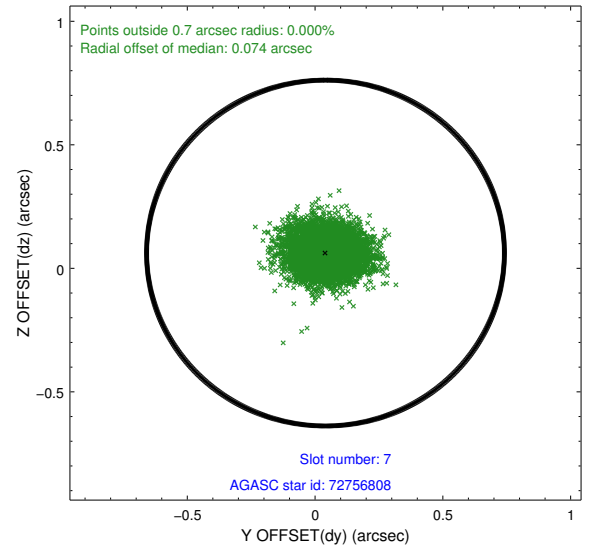
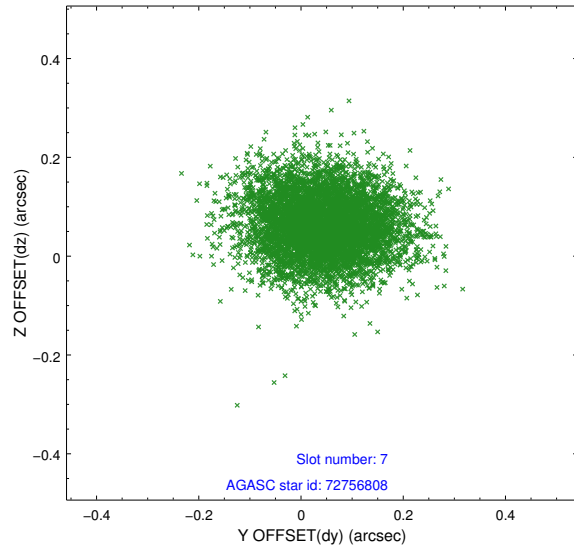
2.4.3 Slot 5



2.4.4 Slot 6

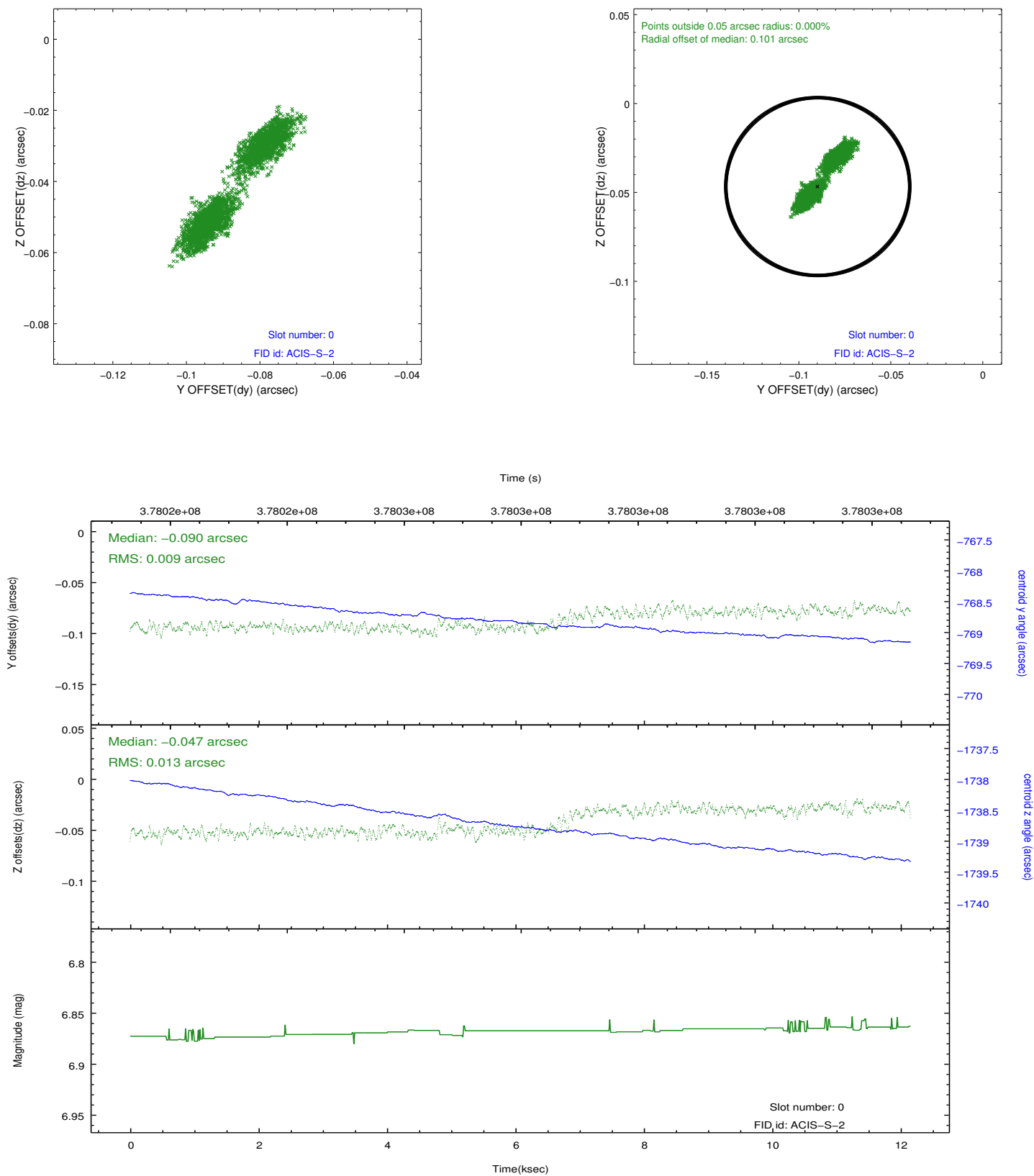


2.4.5 Slot 7

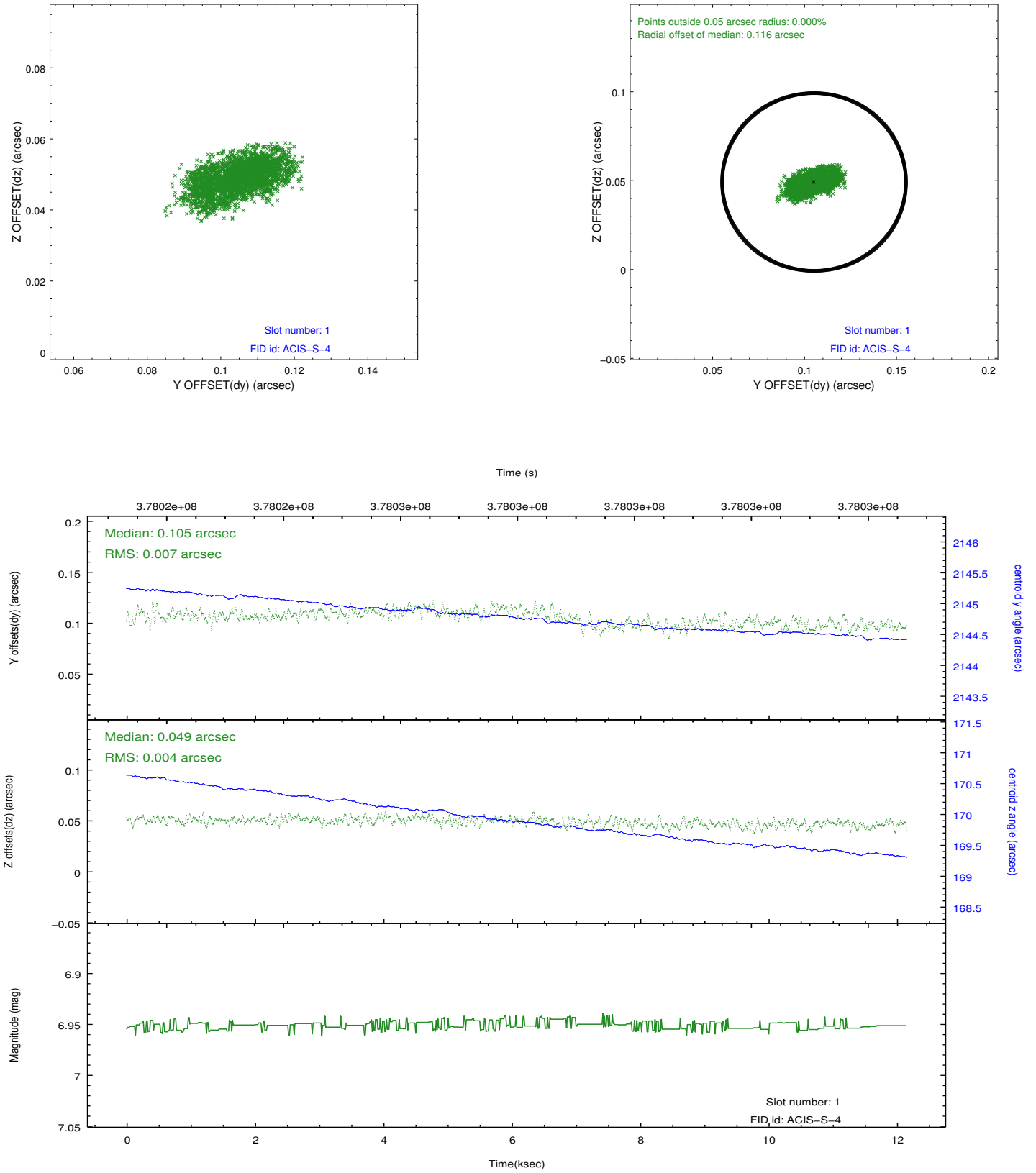


2.5 FID Slots

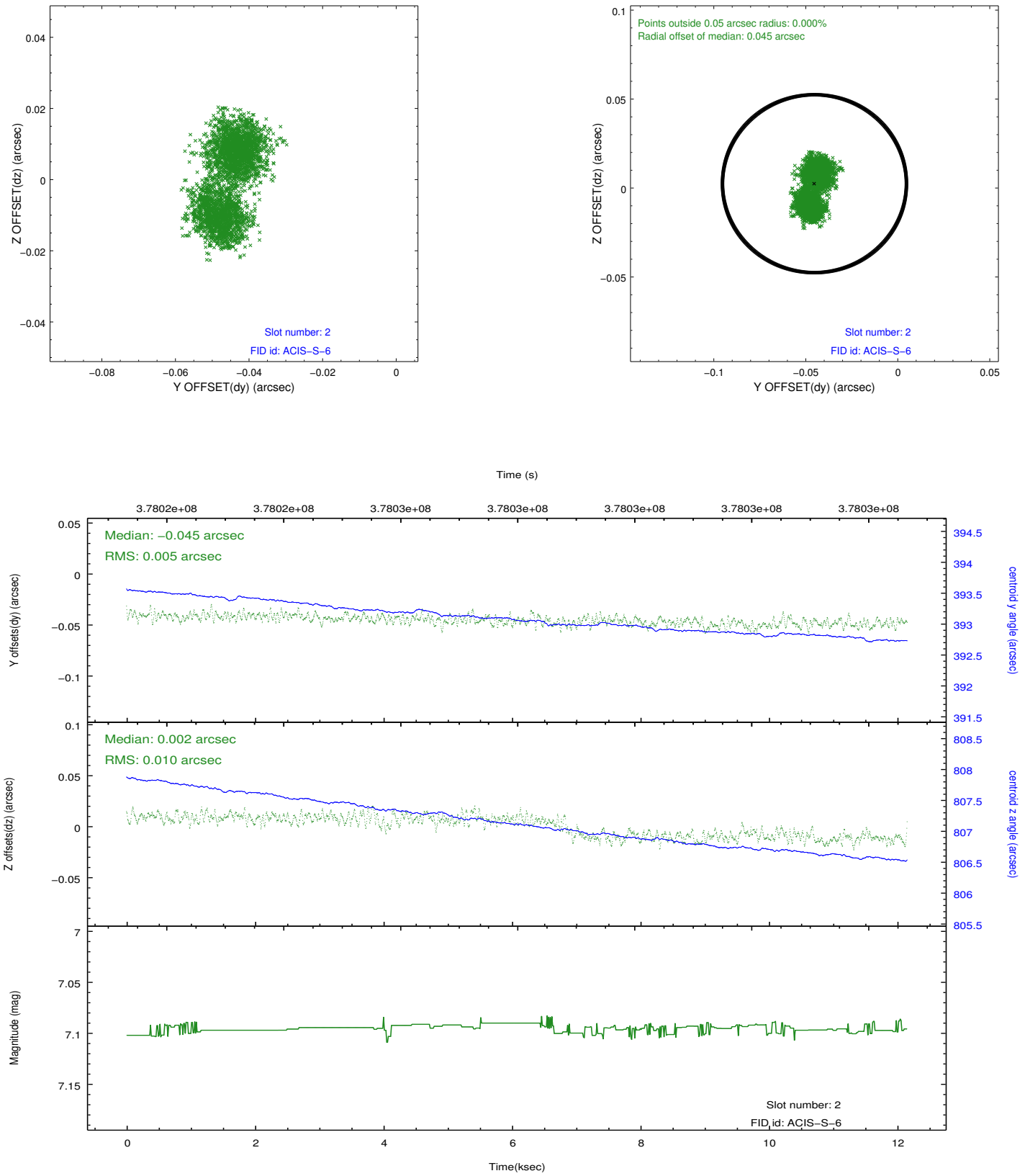
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.14925

A.2 Comments