

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 12451 - L2 Version 2
Chandra X-Ray Center

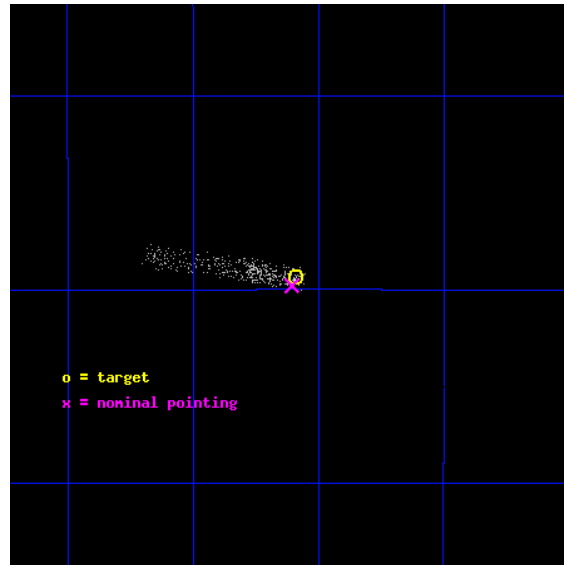
L2 Processing Date : Feb 18 2012

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1 Front

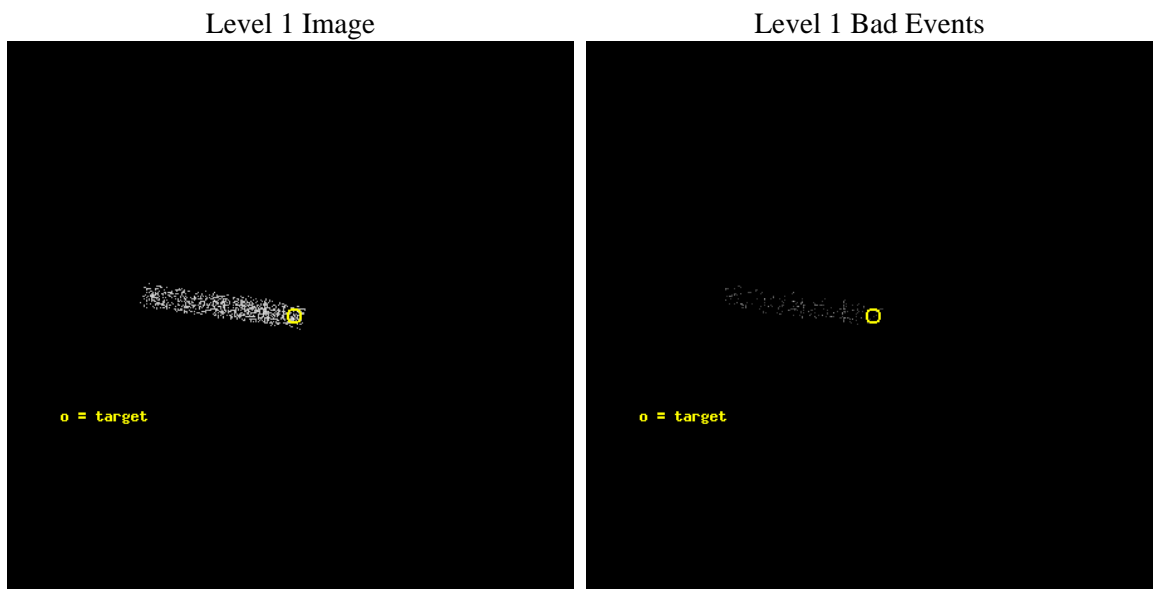
seq_num	401192	Sequence number
obs_id	12451	Observation id
title	Precise Localization of Transient Low-Mass X-ray Binaries	Proposal
observer	Prof. Deepto Chakrabarty	Principal investigator
object	Swift J174535.5-285921	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.397917	Observer's specified target RA [deg]
dec_targ	-28.989306	Observer's specified target Dec [deg]
ra_nom	266.40150864506	Nominal RA [deg]
dec_nom	-28.996803555953	Nominal Dec [deg]
roll_nom	277.97282359015	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1045.5	Sum of GTIs [s]
livetime	966.19473606388	Livetime [s]
ontime3	1045.5	Sum of GTIs [s]
l2events	431	Number of level 2 events



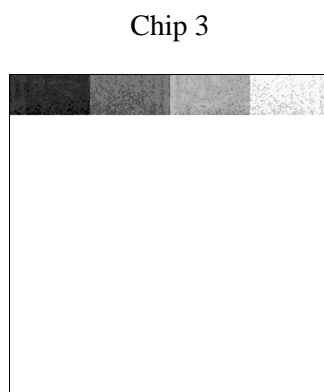
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	1045.5	Sum of GTIs [s]
caldsver	4.4.8	 	ontime3	1045.5	Sum of GTIs [s]
date	2012-02-18T05:00:38	Date and time of file creation	l1events	1402	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

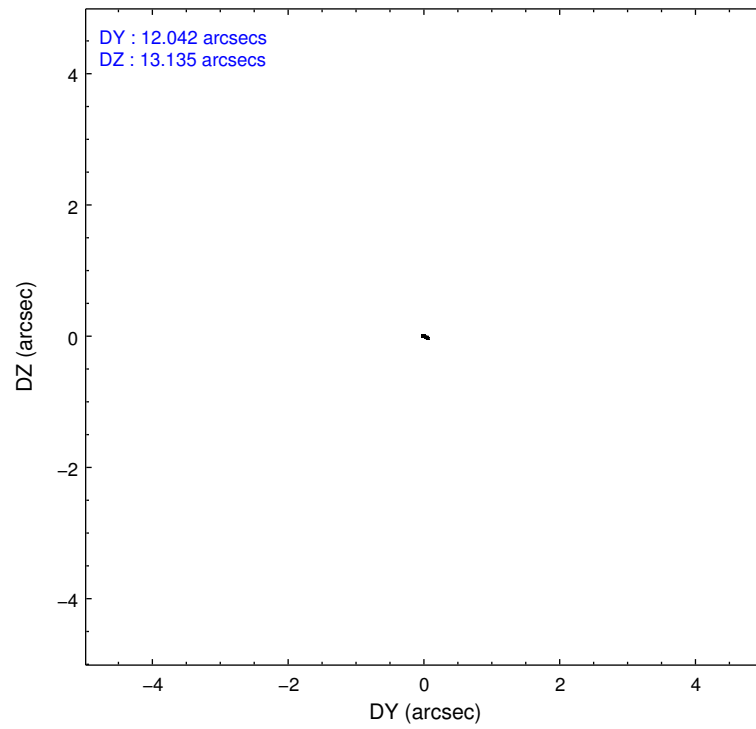
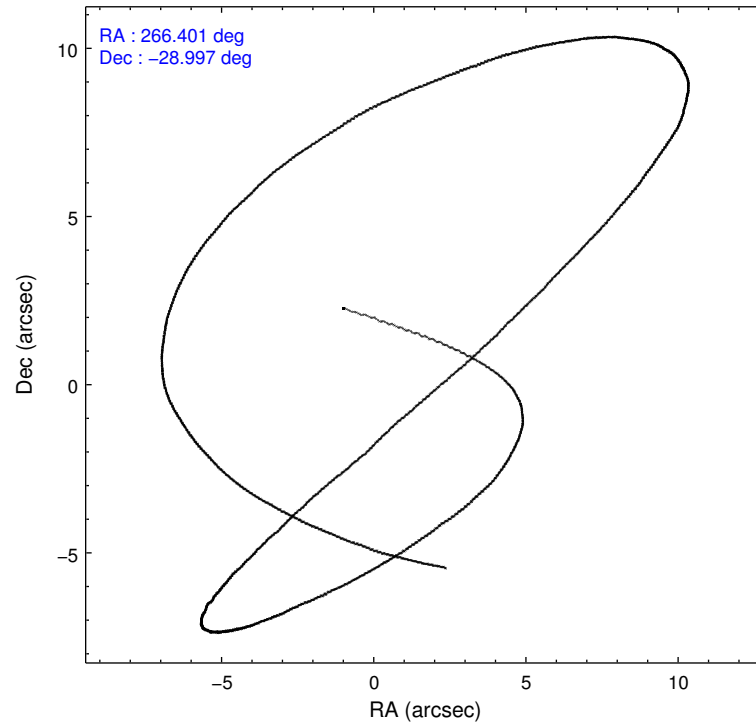
	ccd 3
level 1 events	1402
rejected events	943
rejected %	67%

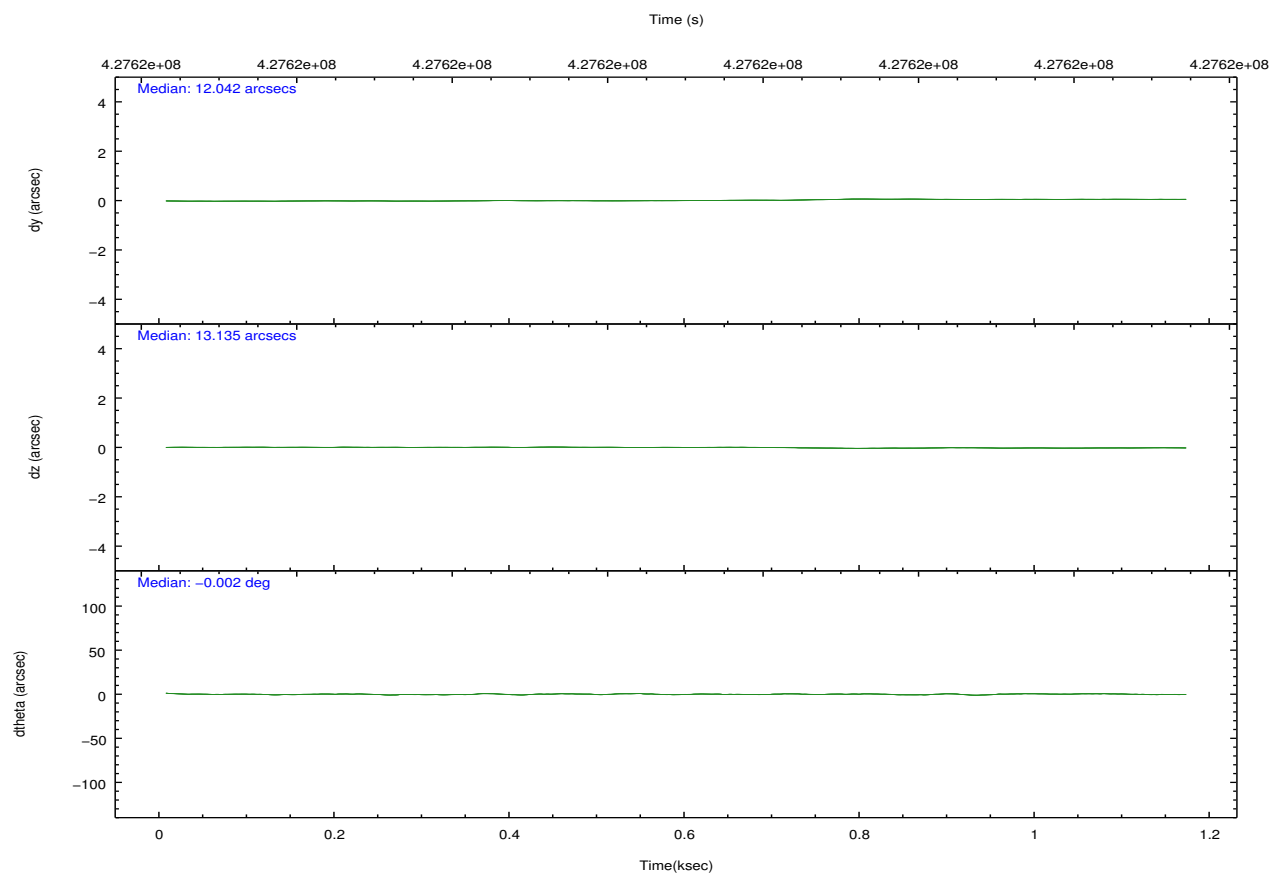
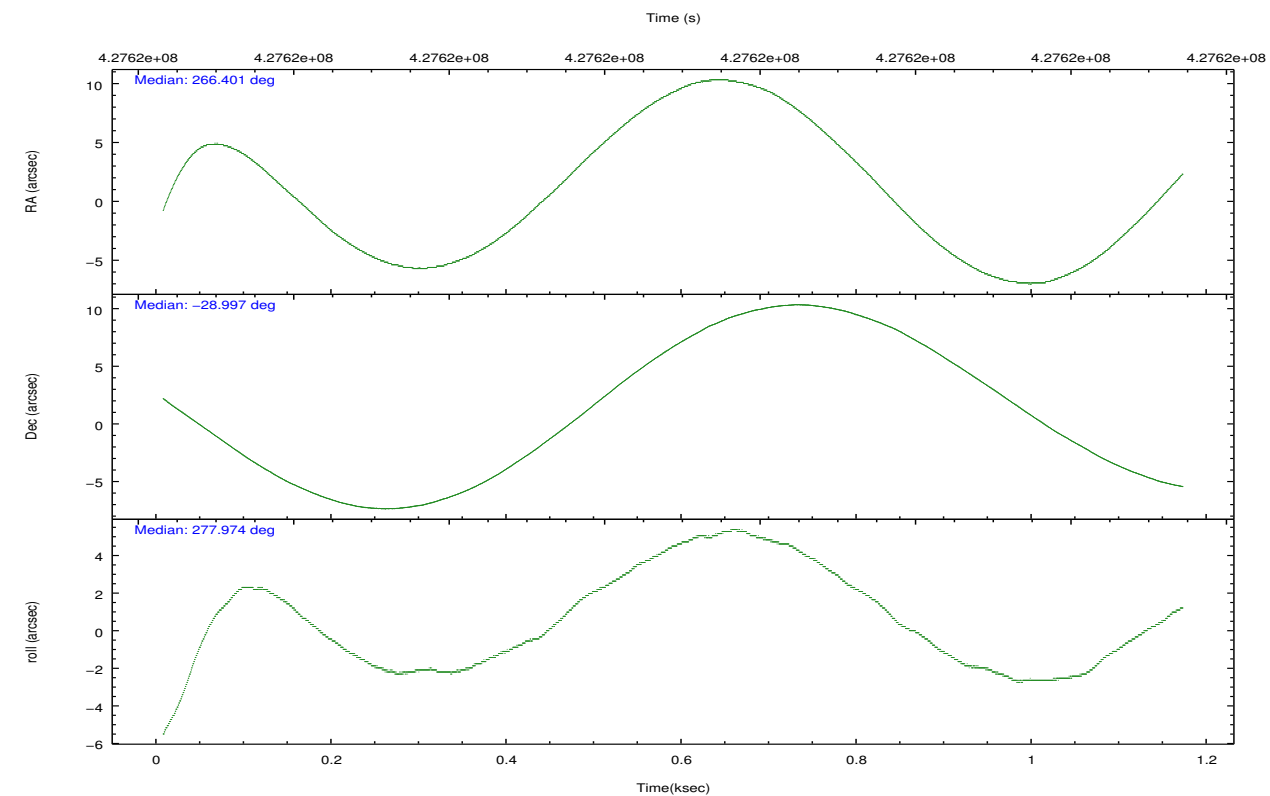
	ccd 3
grade 0 events	261
	18%
grade 1 events	0
	0%
grade 2 events	70
	4%
grade 3 events	35
	2%
grade 4 events	36
	2%
grade 5 events	46
	3%
grade 6 events	57
	4%
grade 7 events	897
	63%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-3	ACIS-3	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	266.382418	266.4015086450553	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-28.975003	-28.9968035559535	Subarray start row	897	897
[deg] Pointing Roll	277.754931	277.9728235901475	Subarray row count	128	128
[mm] SIM focus pos	-0.782348	-0.7809083437167272	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001439871863259334	[s] Primary exposure time	0.000000	0.5
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	427618669.184000	427617330.05266			
Observation start date	2011-07-21T06:56:43	2011-07-21T06:35:30			
[s] Observation end time (MET)	427619669.184000	427619803.37779			
Observation end date	2011-07-21T07:13:23	2011-07-21T07:16:43			
Read mode	TIMED	TIMED			

2.3 Aspect



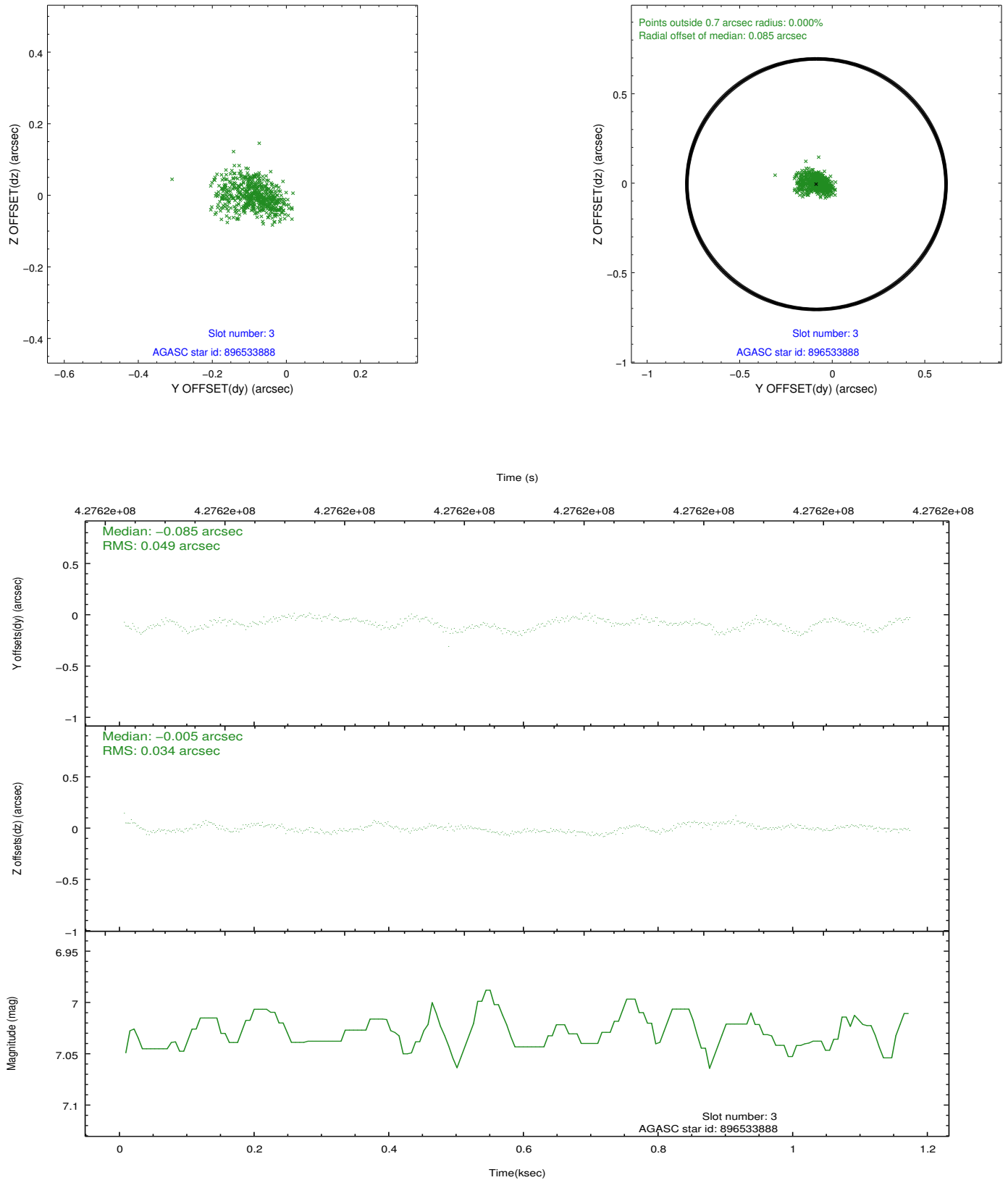


Slot Statistics

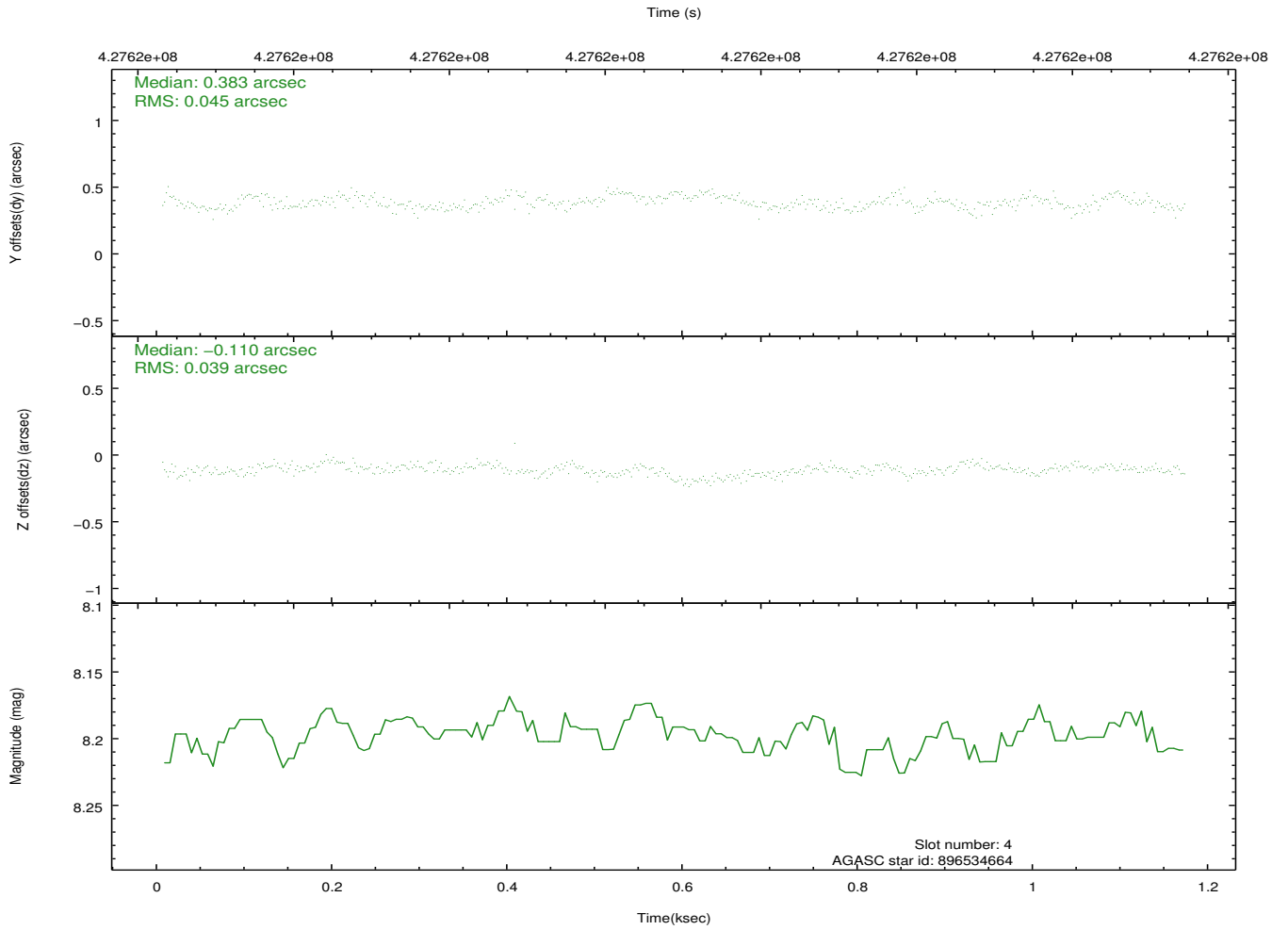
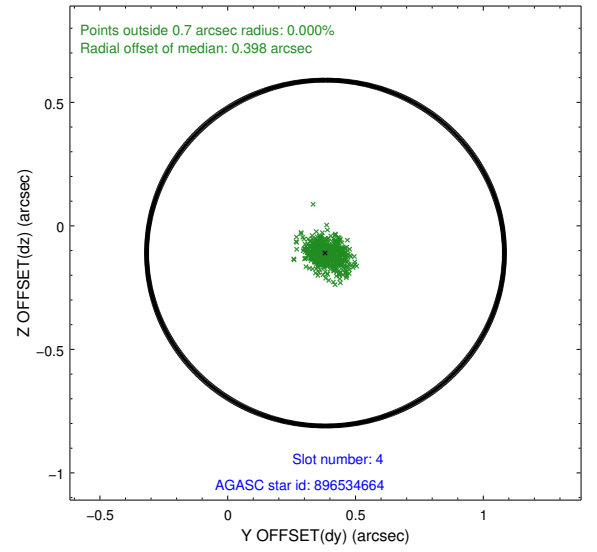
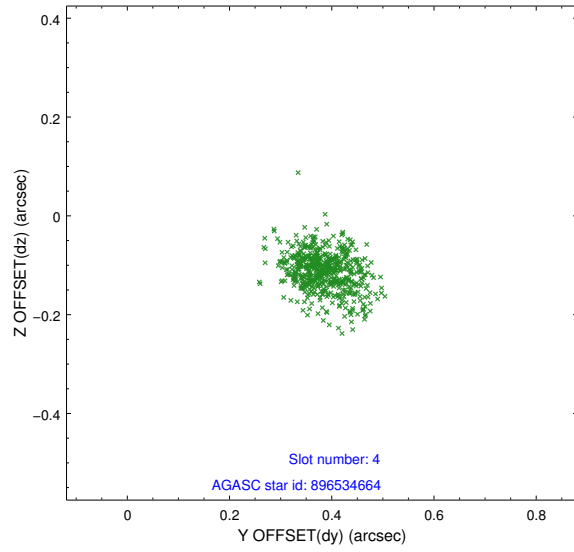
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.06	285	0.054	0.001	0.006	0.010	0.000000	0.000000	927.54	-836.68
1	FID	ACIS-I-5	7.05	285	-0.200	0.067	0.006	0.014	0.000000	0.000000	-1817.65	1058.02
2	FID	ACIS-I-6	7.06	285	0.055	0.002	0.008	0.012	0.000000	0.000000	386.87	1708.93
3	GUIDE	896533888	7.03	570	-0.085	-0.005	0.064	0.101	266.666434	-29.392757	1611.14	680.83
4	GUIDE	896534664	8.20	569	0.383	-0.110	0.061	0.111	266.405570	-28.407461	-2011.56	350.72
5	GUIDE	896541360	7.73	570	-0.034	0.049	0.057	0.098	266.684478	-29.453744	1832.91	707.37
6	GUIDE	896404568	7.86	570	-0.074	0.171	0.061	0.096	265.687293	-28.431080	-2227.99	-1914.54
7	GUIDE	896538696	6.85	569	-0.187	-0.103	0.070	0.100	266.298470	-28.325572	-2356.69	49.70

2.4 Star Slots

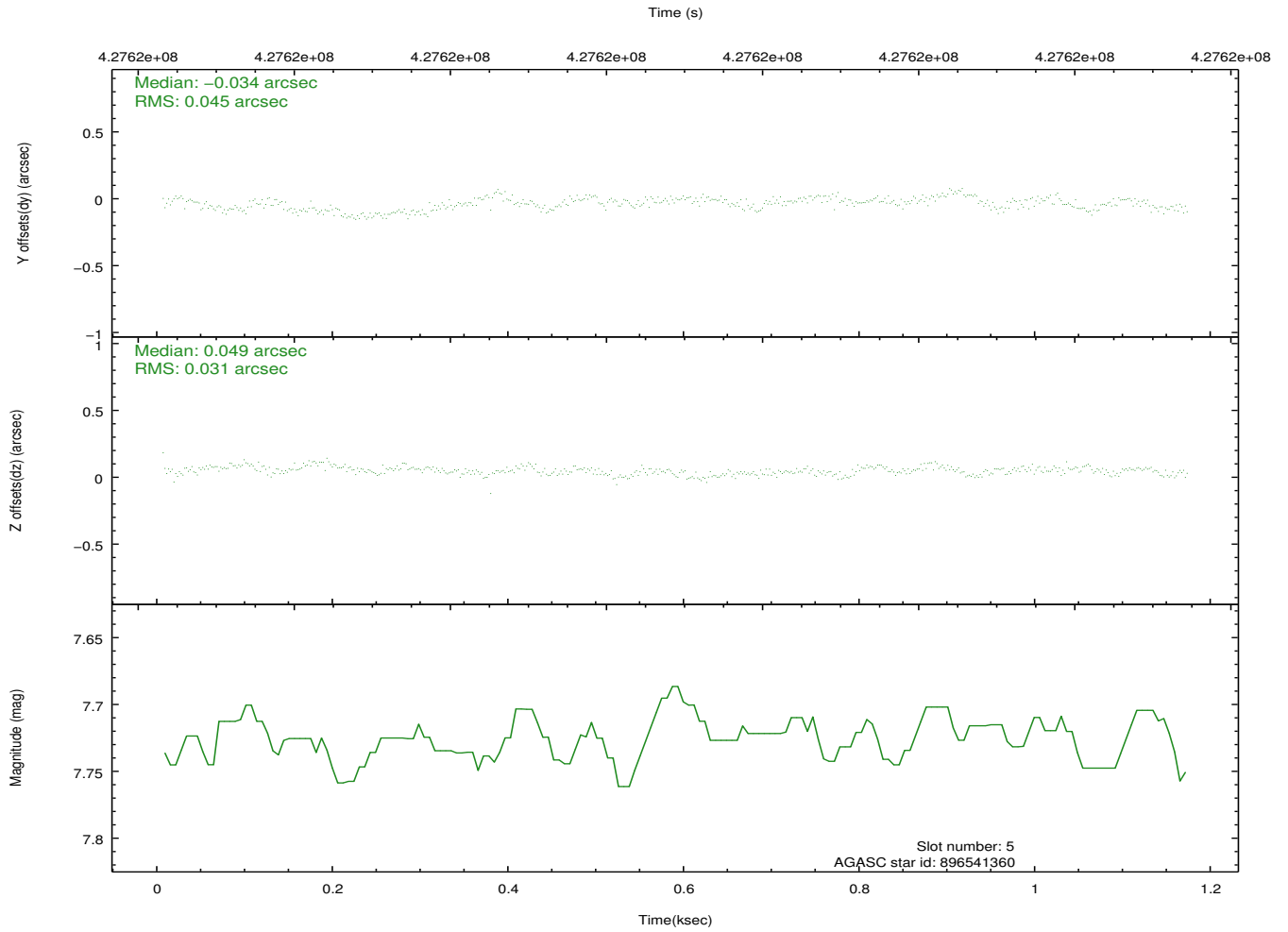
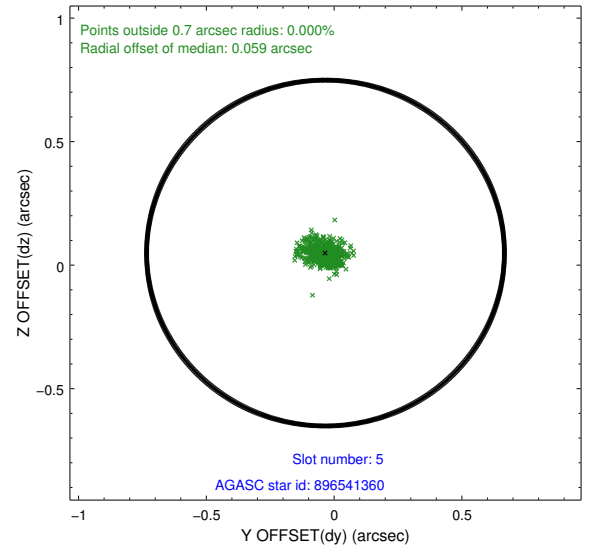
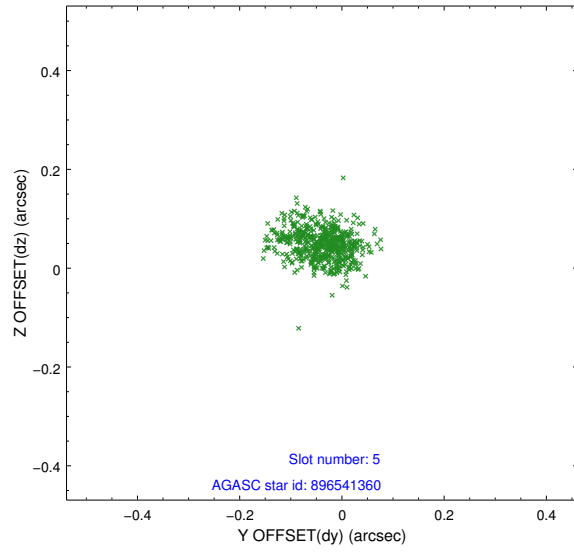
2.4.1 Slot 3



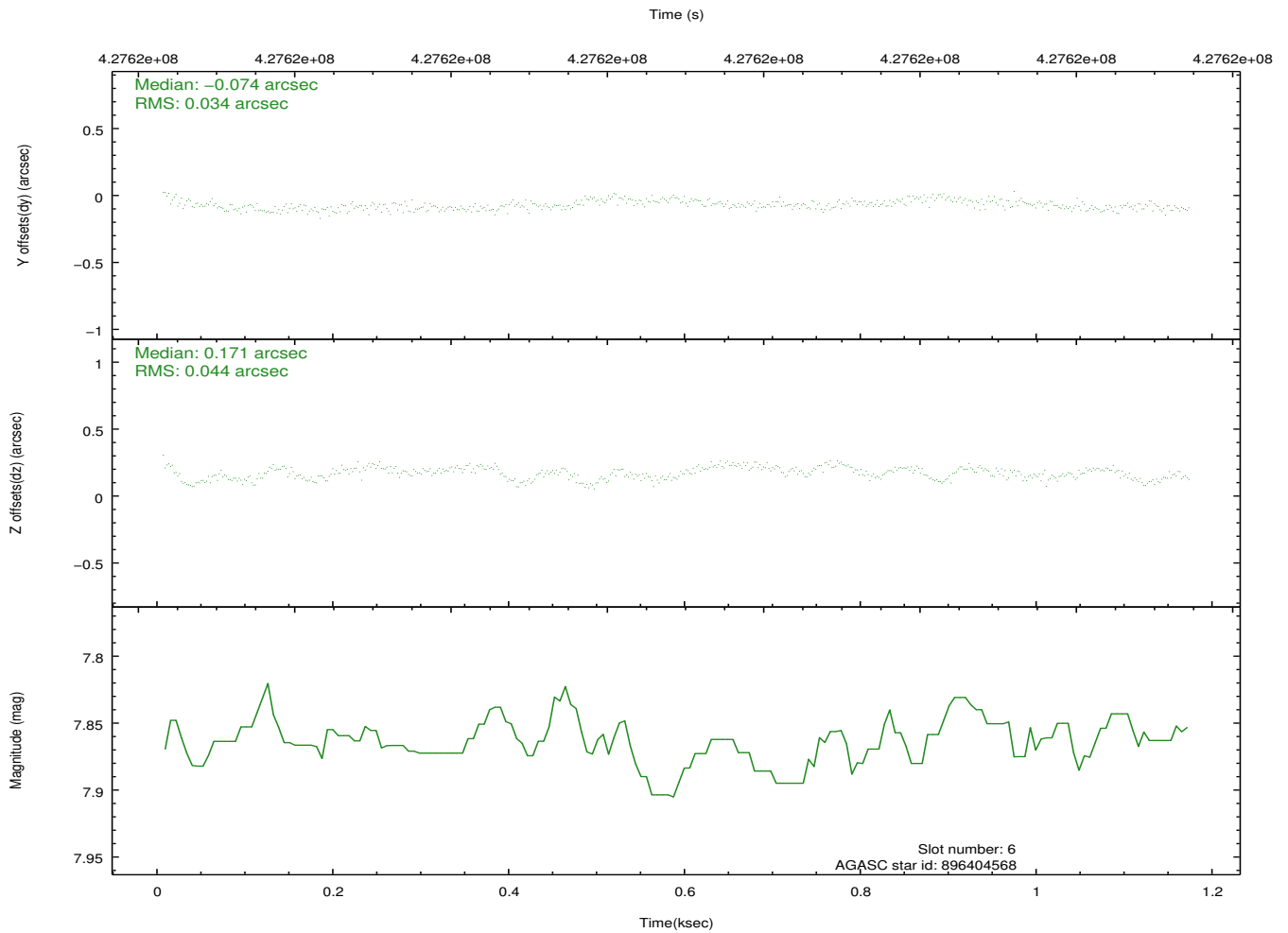
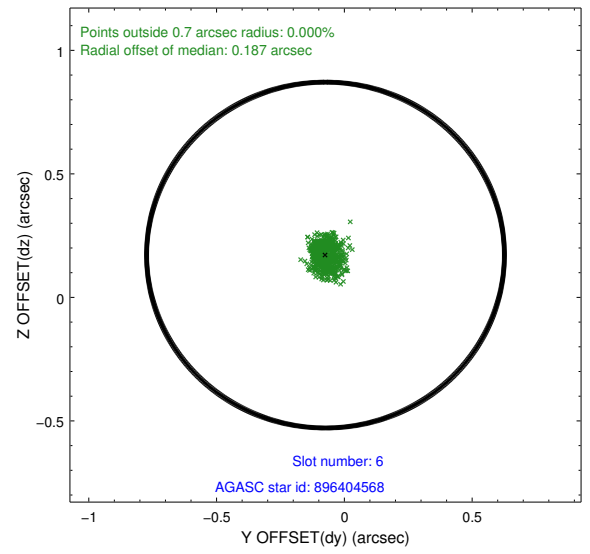
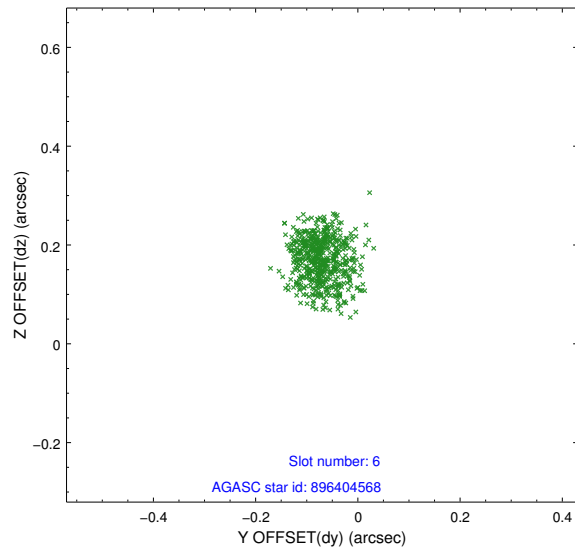
2.4.2 Slot 4



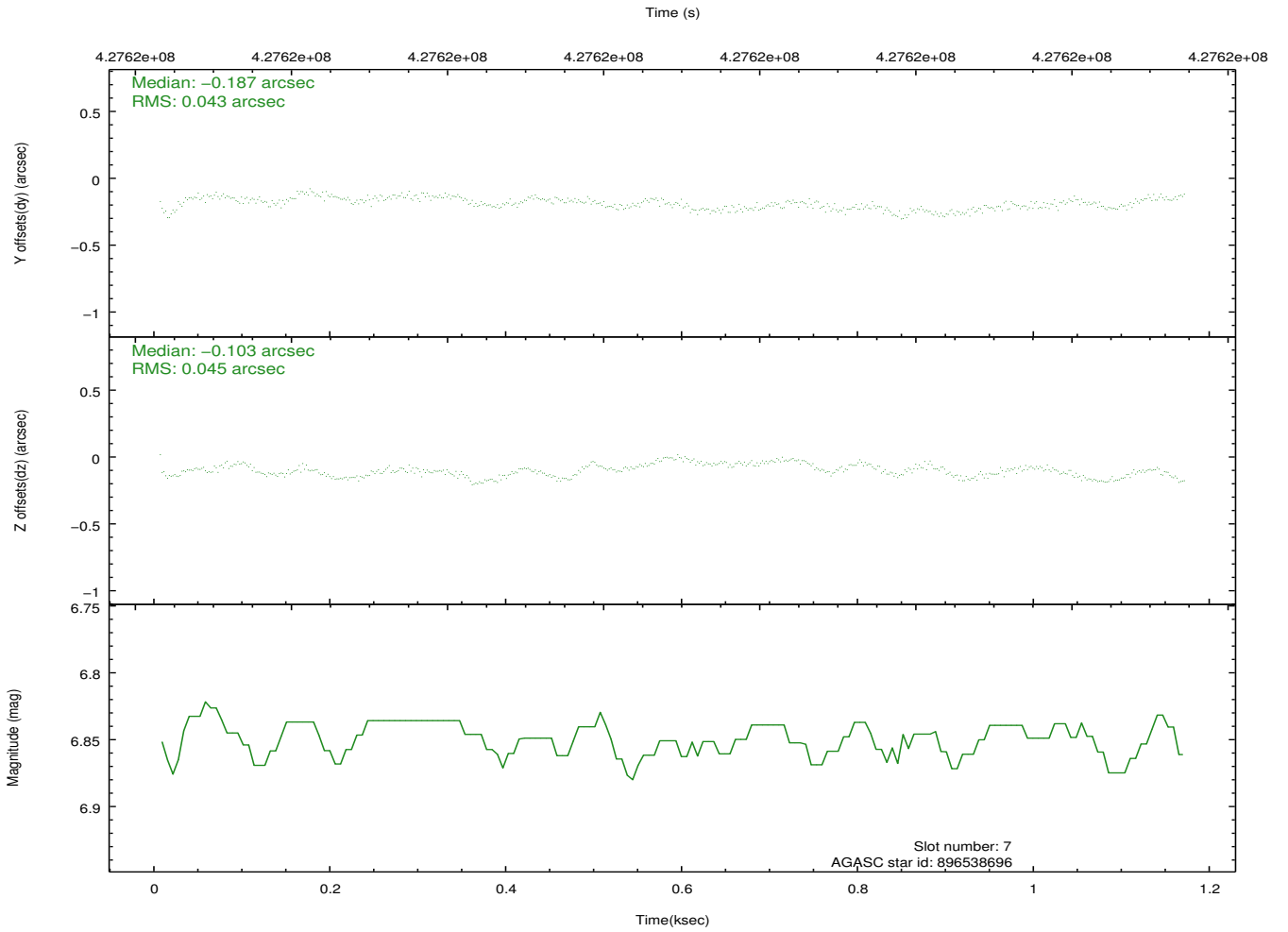
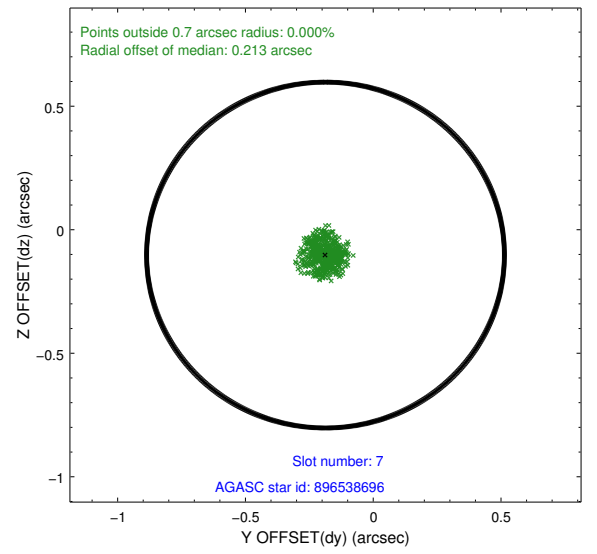
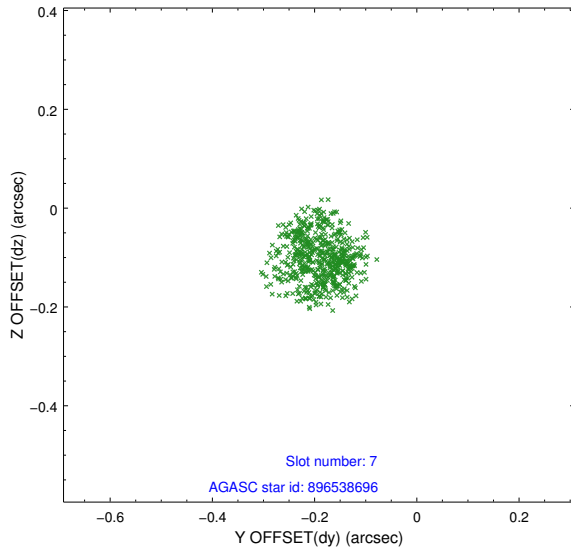
2.4.3 Slot 5



2.4.4 Slot 6

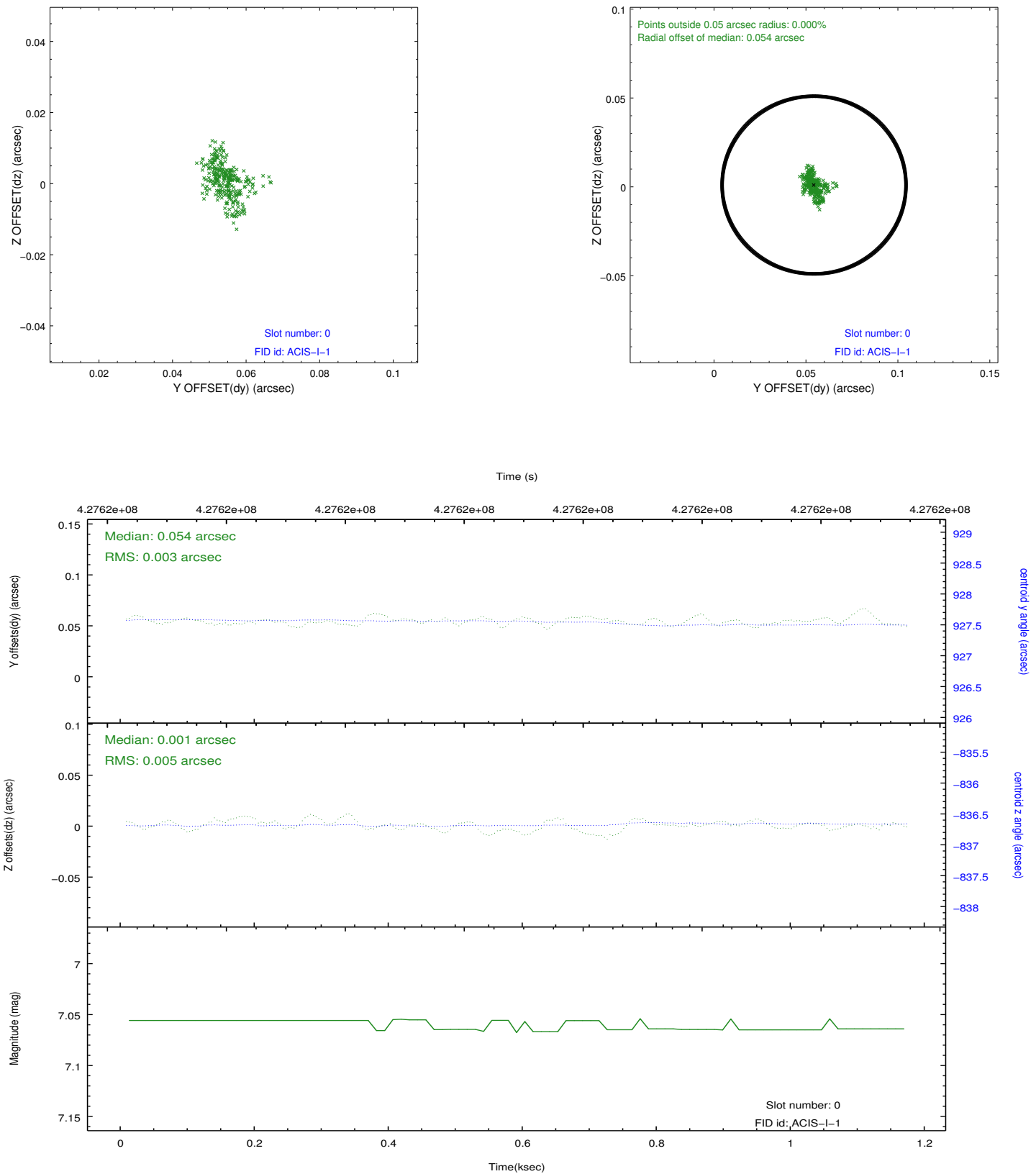


2.4.5 Slot 7

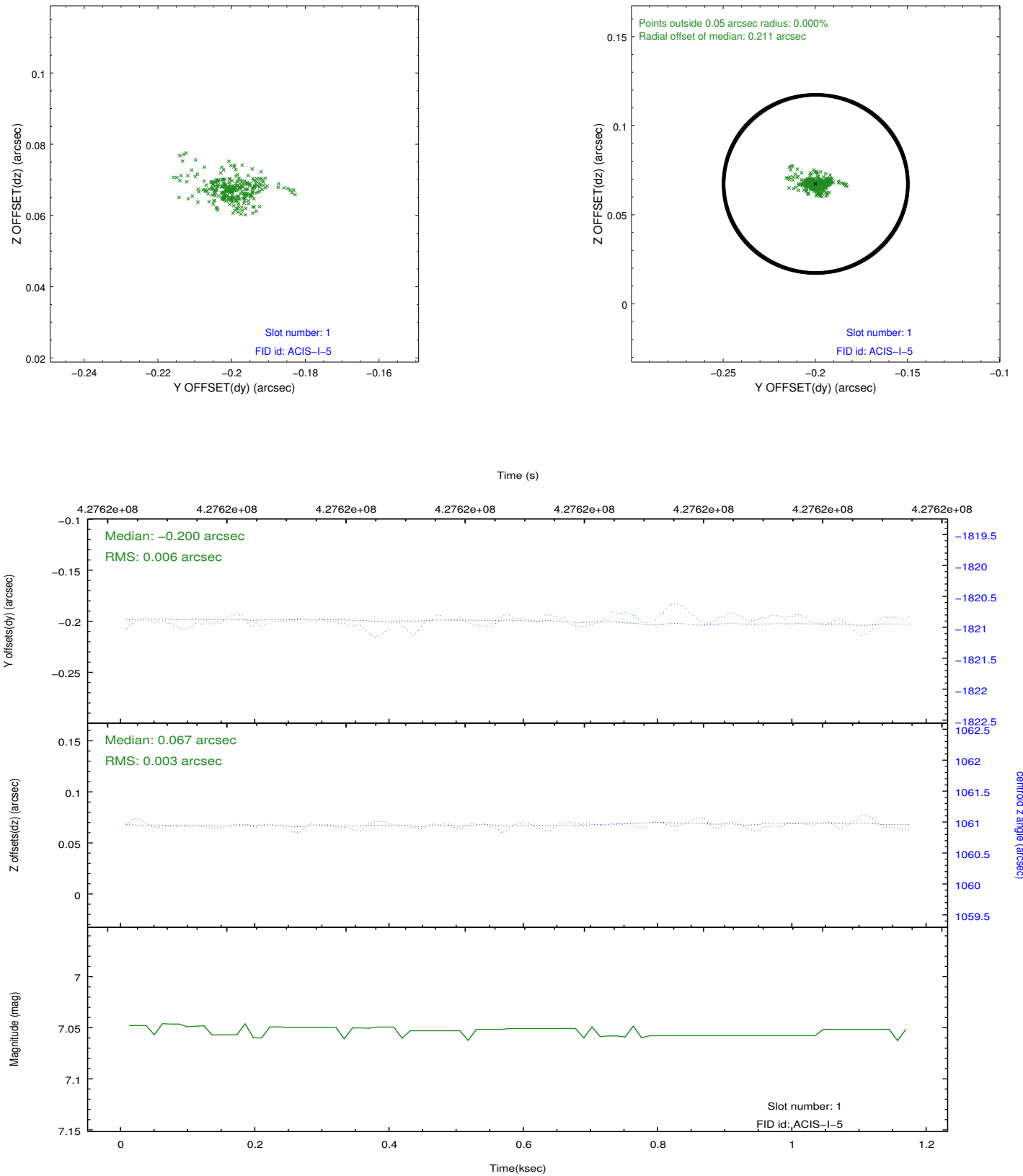


2.5 FID Slots

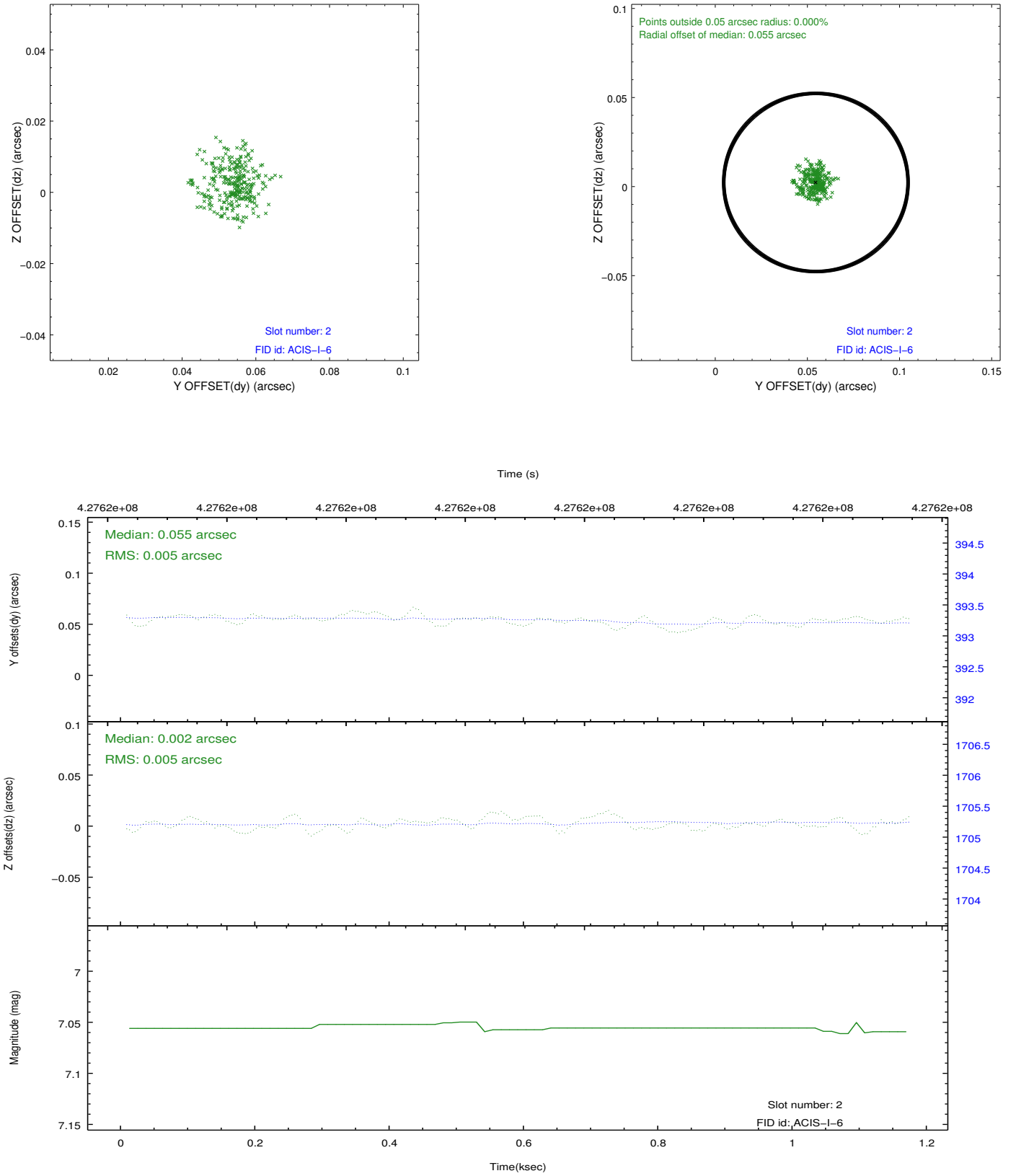
2.5.1 Slot 0



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)	2012.02.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.0455

A.2 Comments