

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3671 - L2 Version 3
Chandra X-Ray Center

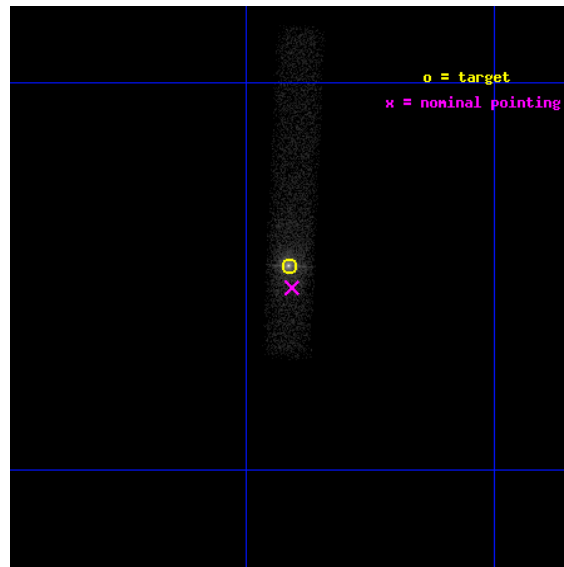
L2 Processing Date : Oct 13 2012

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1 Front

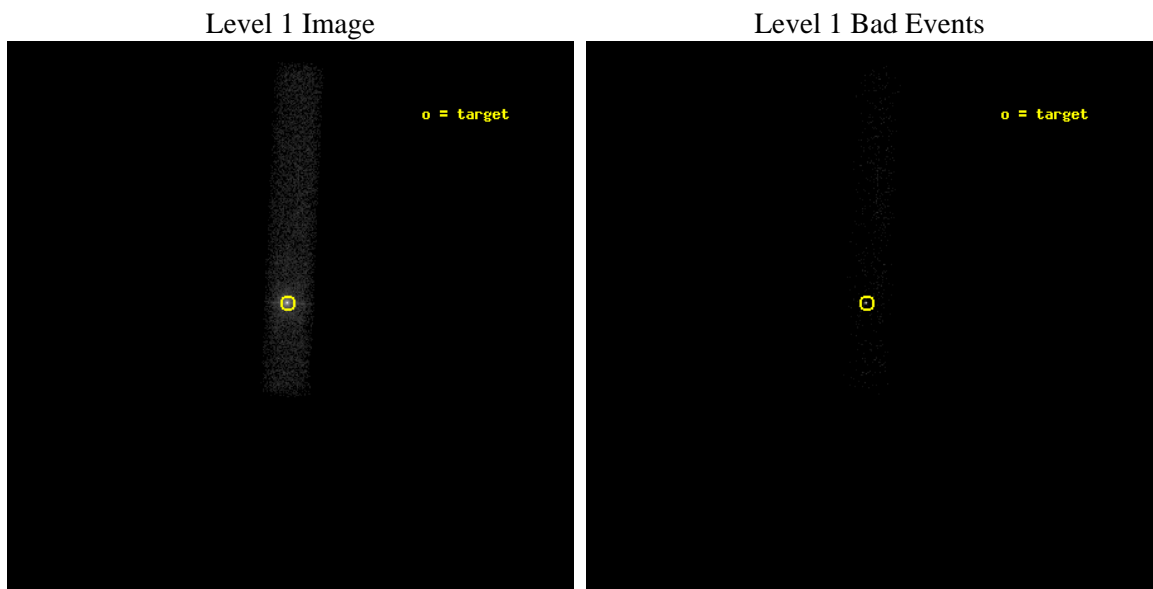
seq_num	400267	Sequence number
obs_id	3671	Observation id
title	THE LOW/SOFT STATE IN THE MICROQUASAR 1E1740.7-2942	Proposal title
observer	Dr. William Heindl	Principal investigator
object	1E 1740.7-2942	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	265.978333	Observer's specified target RA [deg]
dec_targ	-29.745222	Observer's specified target Dec [deg]
ra_nom	265.97687715152	Nominal RA [deg]
dec_nom	-29.754909759385	Nominal Dec [deg]
roll_nom	272.39204375432	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5538.4000824988	Sum of GTIs [s]
livetime	5023.0365341001	Livetime [s]
ontime7	5538.4000824988	Sum of GTIs [s]
l2events	20173	Number of level 2 events



2 OBI

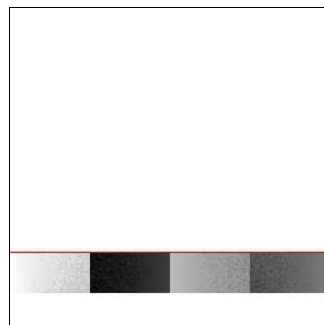
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5025.073000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5538.4000824988	Sum of GTIs [s]
caldsver	4.5.2	 	ontime7	5538.4000824988	Sum of GTIs [s]
date	2012-10-14T00:29:37	Date and time of file creation	l1events	26768	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

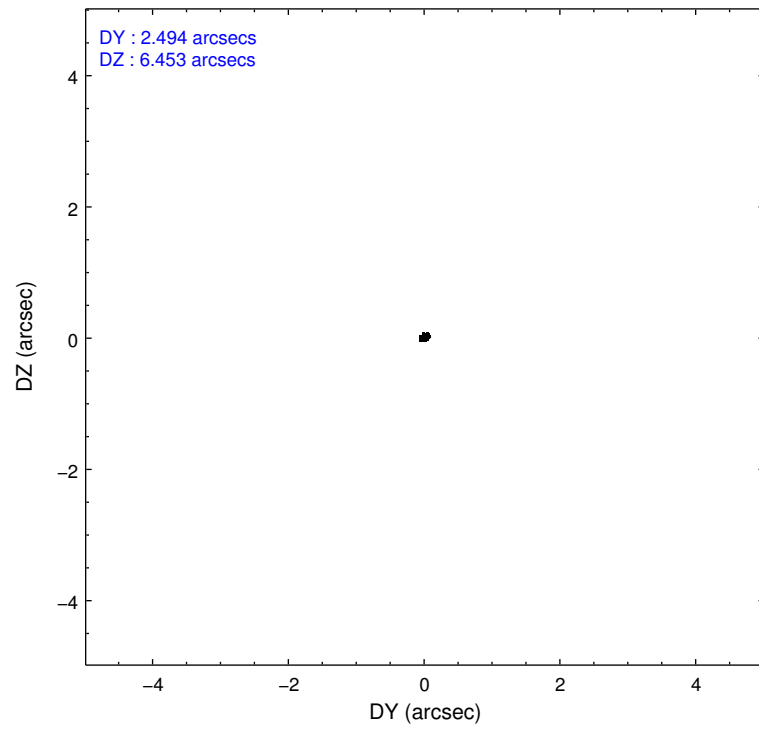
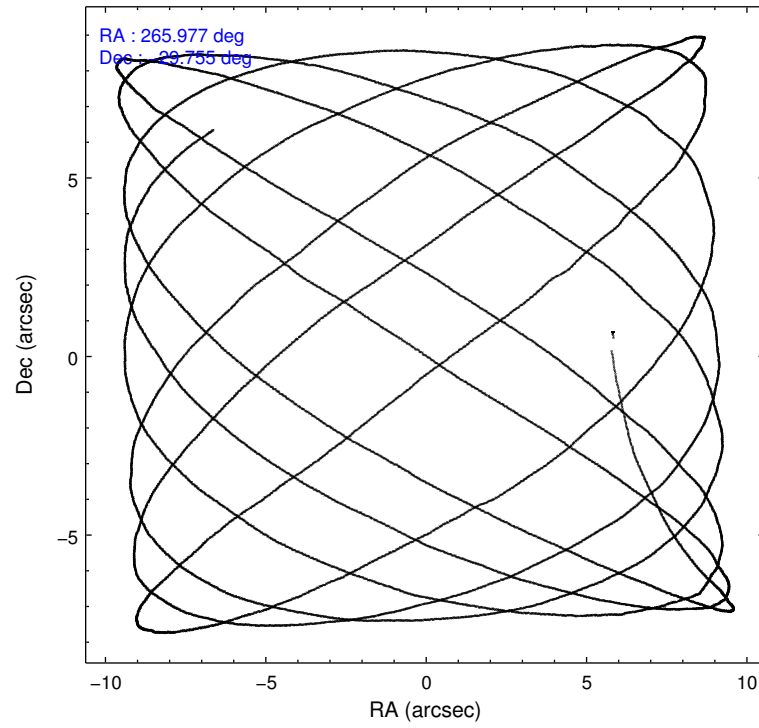
	ccd 7
level 1 events	26768
rejected events	6419
rejected %	23%

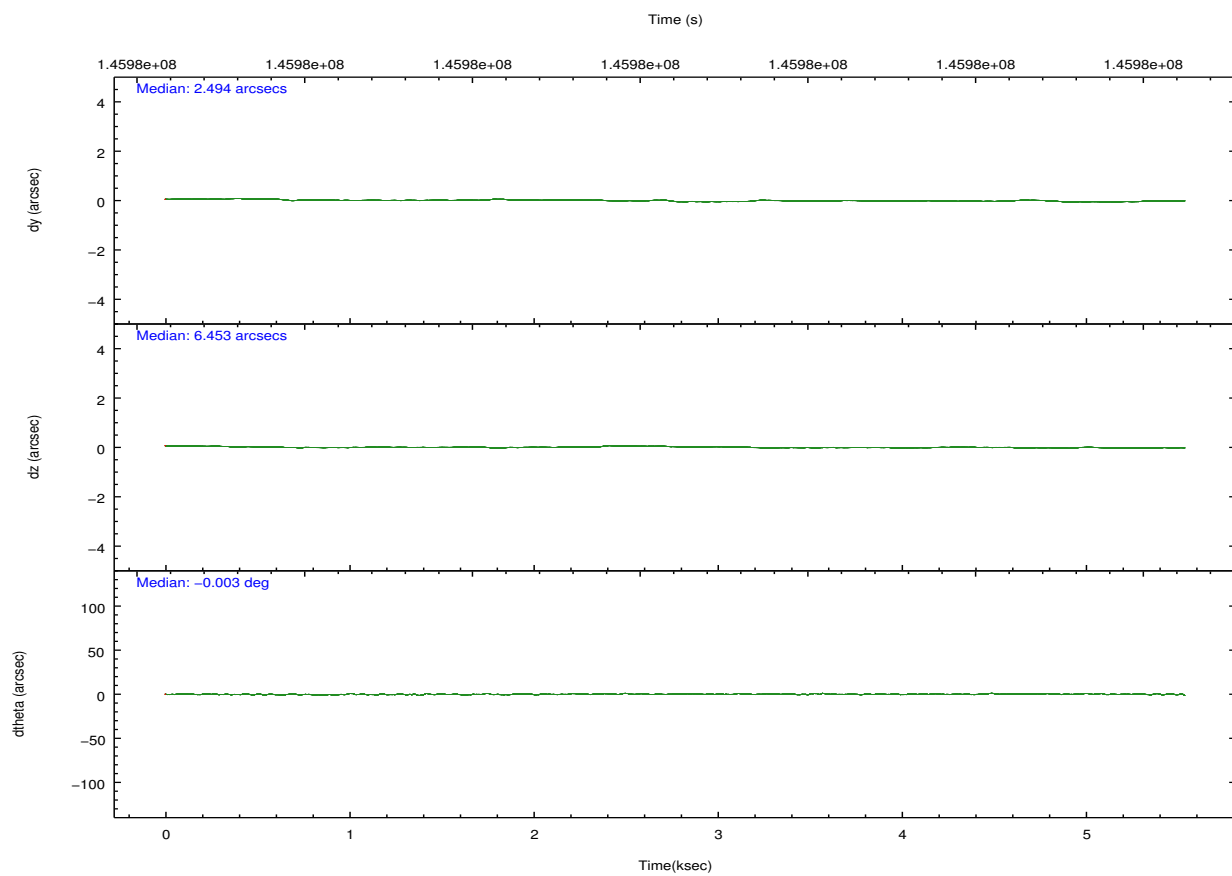
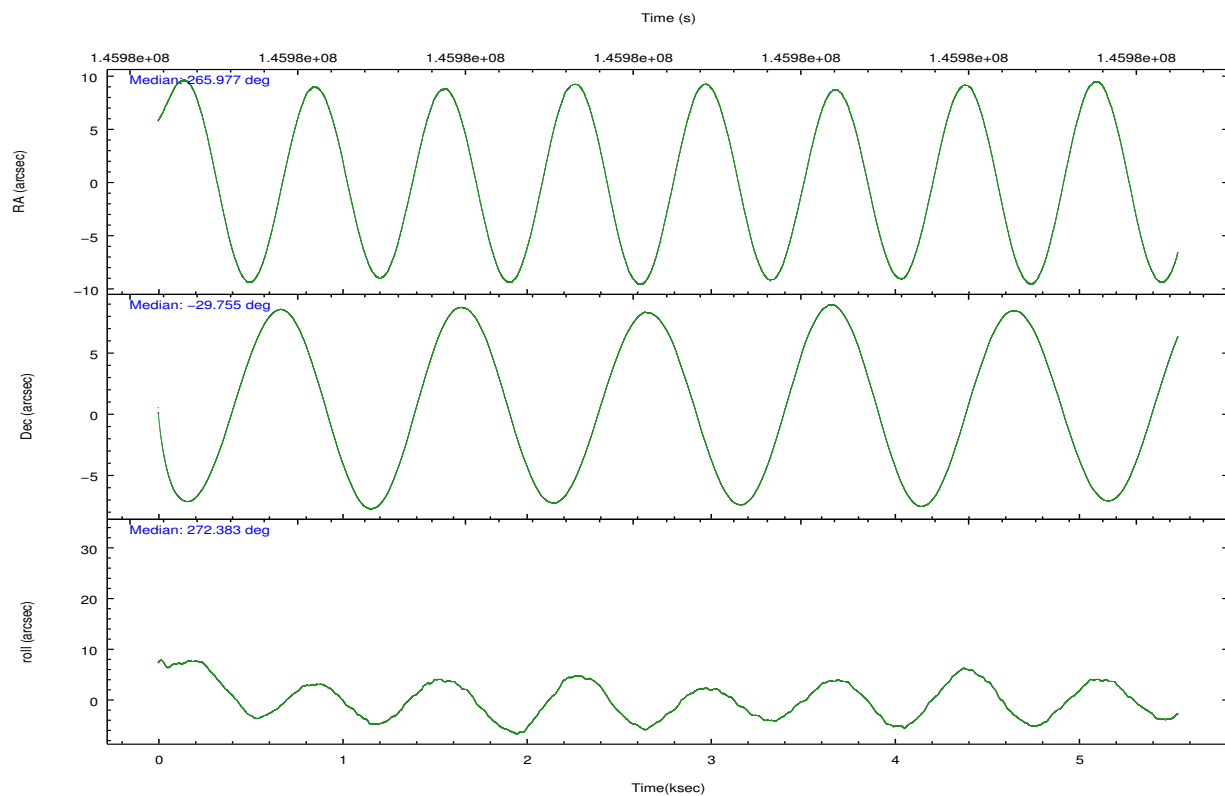
	ccd 7
grade 0 events	2708
	10%
grade 1 events	105
	0%
grade 2 events	4500
	16%
grade 3 events	2113
	7%
grade 4 events	2115
	7%
grade 5 events	1341
	5%
grade 6 events	9531
	35%
grade 7 events	4355
	16%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	265.959684	265.9768771515178	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-29.732004	-29.75490975938543	Subarray start row	115	115
[deg] Pointing Roll	272.226871	272.3920437543179	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	-182.132523	-182.1344861297048			
[mm] SIM translation stage offset	-8	-7.998036453302973			
[s] Observation start time (MET)	145977951.184000	145976825.56535			
Observation start date	2002-08-17T13:24:47	2002-08-17T13:07:05			
[s] Observation end time (MET)	145982976.184000	145983290.75311			
Observation end date	2002-08-17T14:48:32	2002-08-17T14:54:50			
Read mode	TIMED	TIMED			

2.3 Aspect



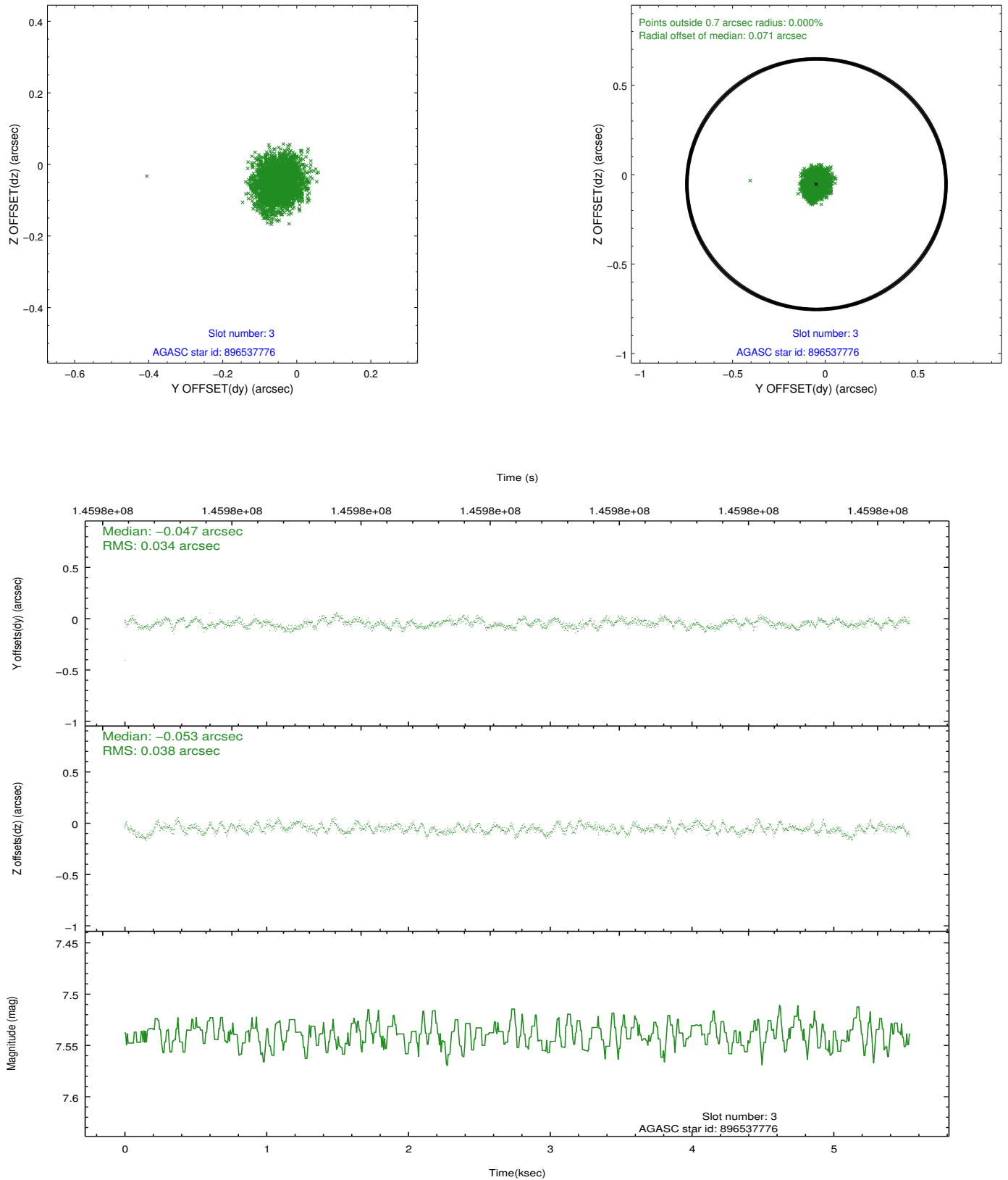


Slot Statistics

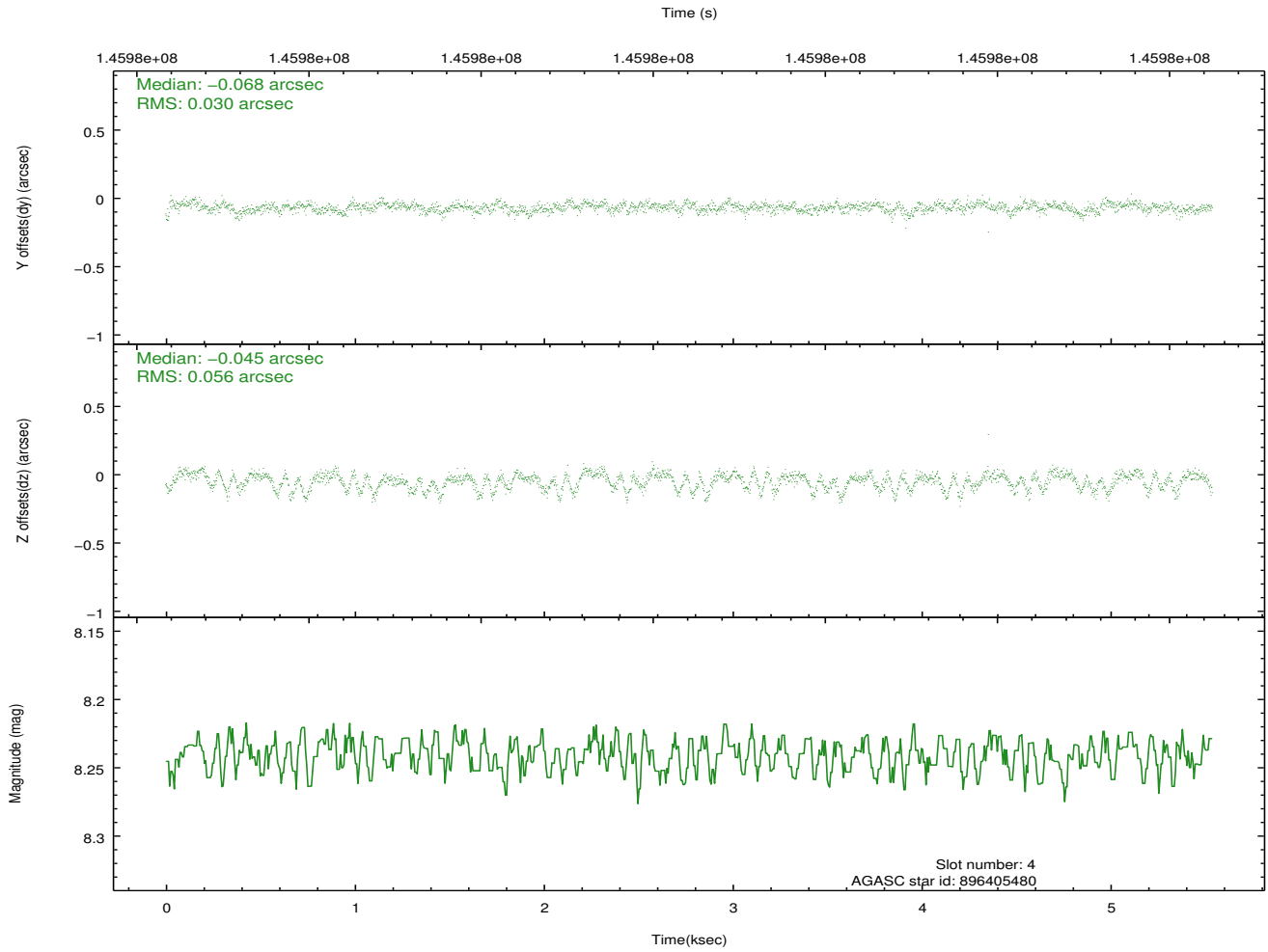
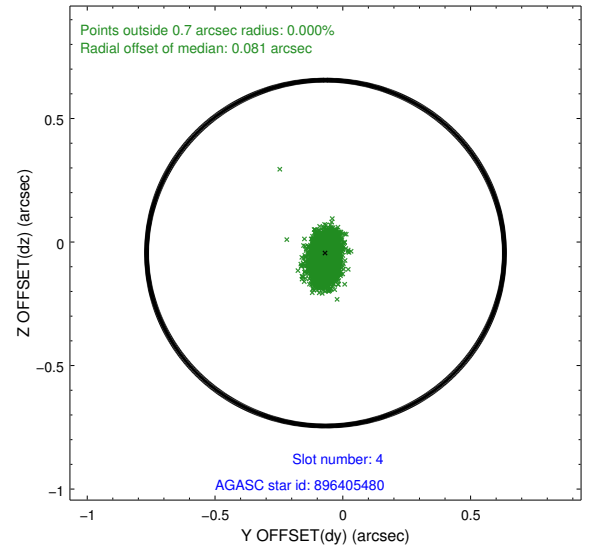
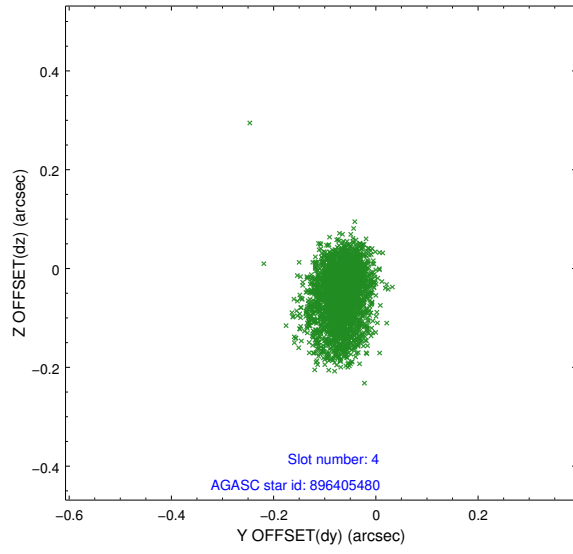
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1351	-0.043	-0.109	0.007	0.011	0.000000	0.000000	-754.61	-1892.47
1	FID	ACIS-S-4	7.18	1352	0.054	0.049	0.006	0.011	0.000000	0.000000	2158.29	14.88
2	FID	ACIS-S-5	7.23	1351	-0.043	0.067	0.007	0.011	0.000000	0.000000	-1806.04	9.85
3	GUIDE	896537776	7.54	2703	-0.047	-0.053	0.055	0.087	266.655684	-29.665673	-146.58	2184.29
4	GUIDE	896405480	8.24	2701	-0.068	-0.045	0.066	0.115	265.220460	-29.599691	-557.02	-2293.45
5	GUIDE	966918832	8.72	2701	0.156	0.021	0.058	0.095	266.278876	-30.183148	1663.95	928.65
6	GUIDE	966787648	8.89	2702	0.115	-0.057	0.070	0.115	265.297931	-30.077843	1172.26	-2108.32
7	GUIDE	896534128	8.71	2702	-0.158	0.139	0.073	0.121	266.503837	-29.080853	-2270.63	1800.56

2.4 Star Slots

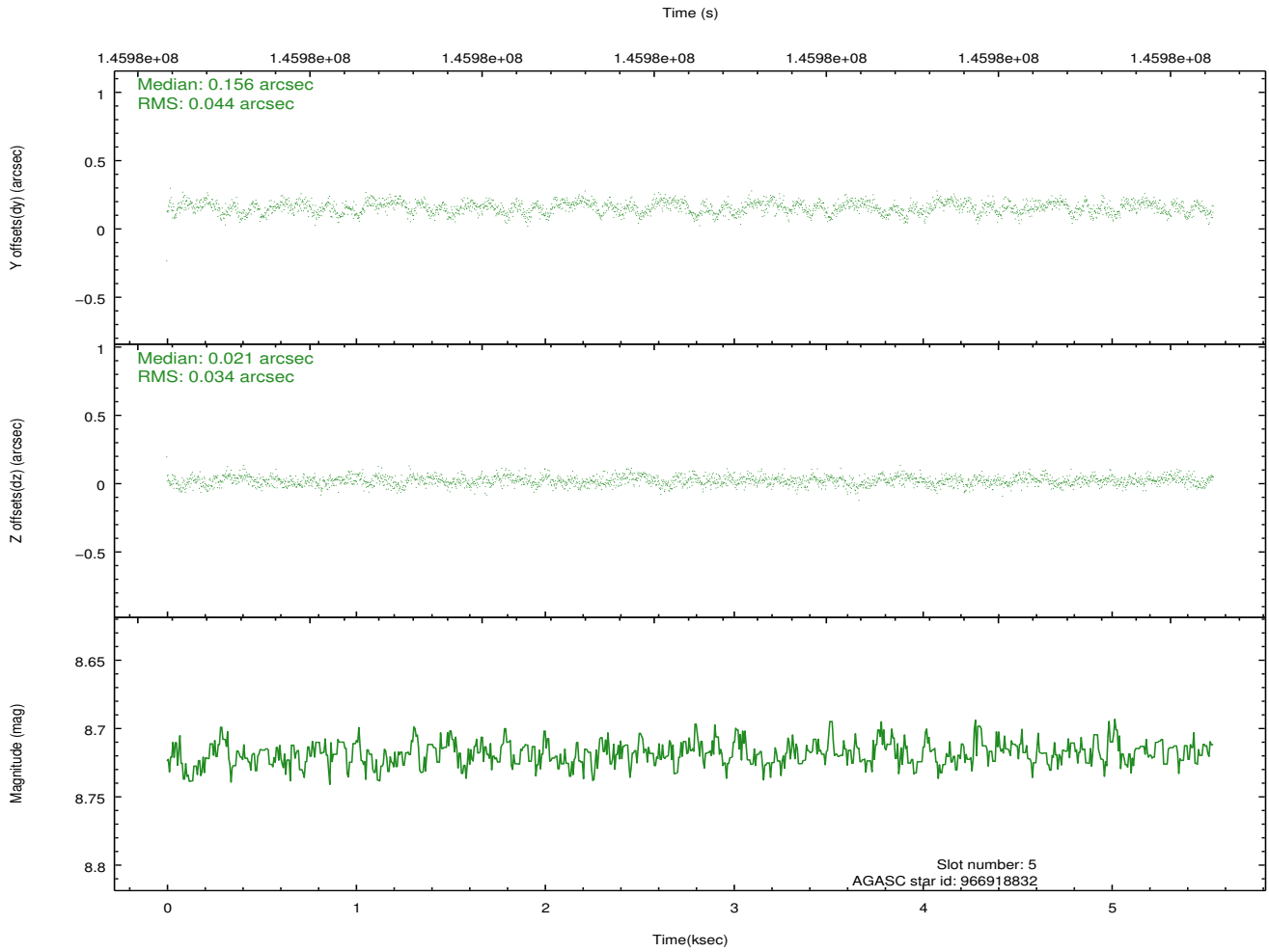
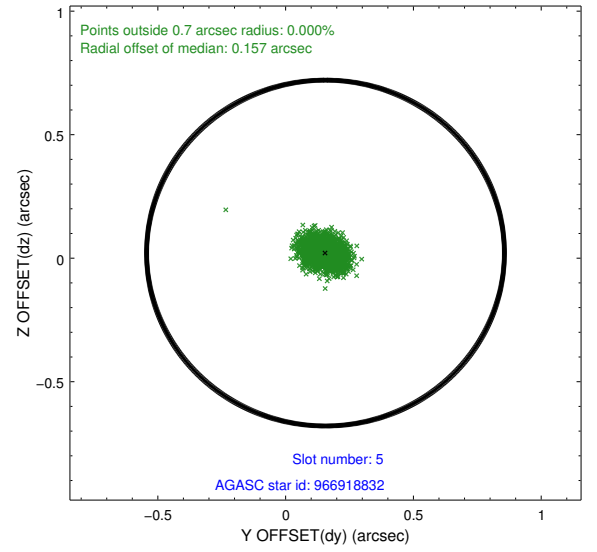
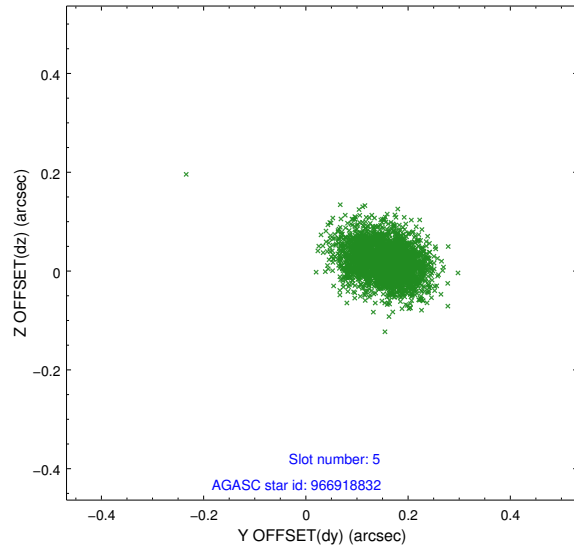
2.4.1 Slot 3



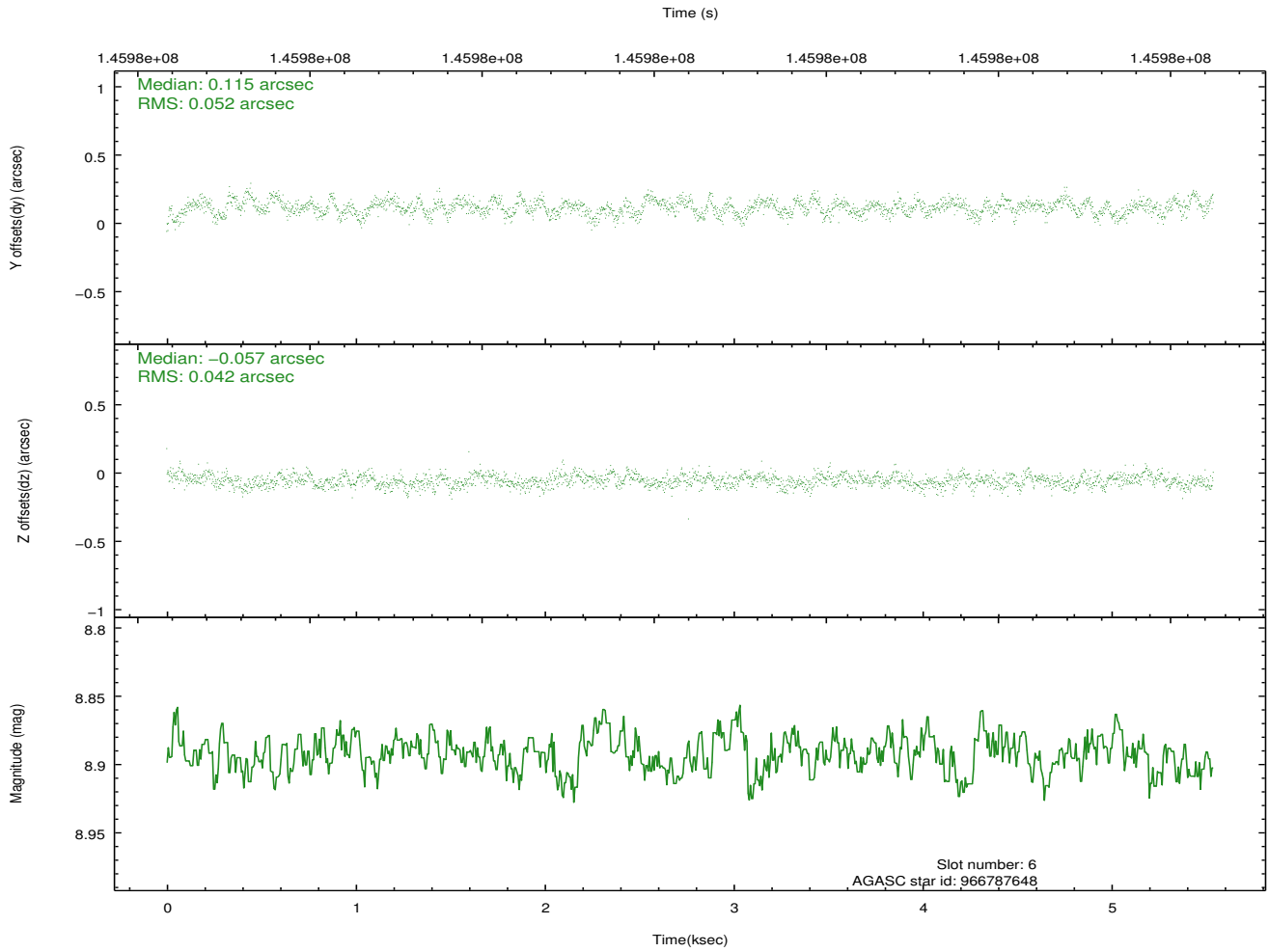
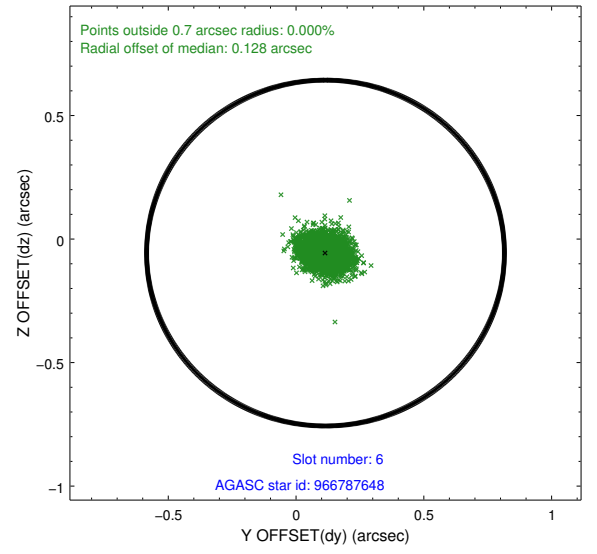
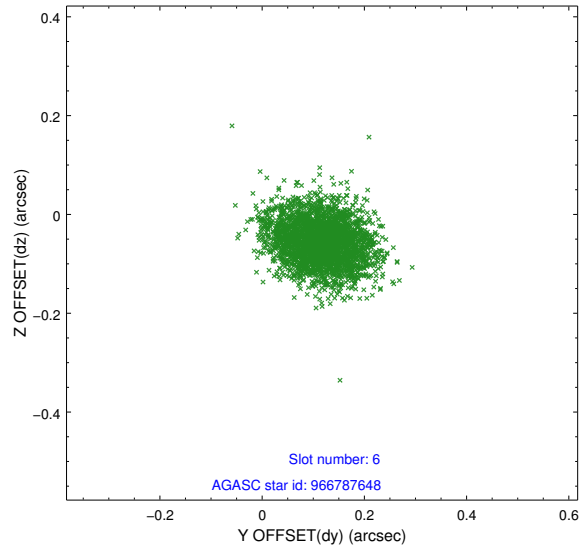
2.4.2 Slot 4



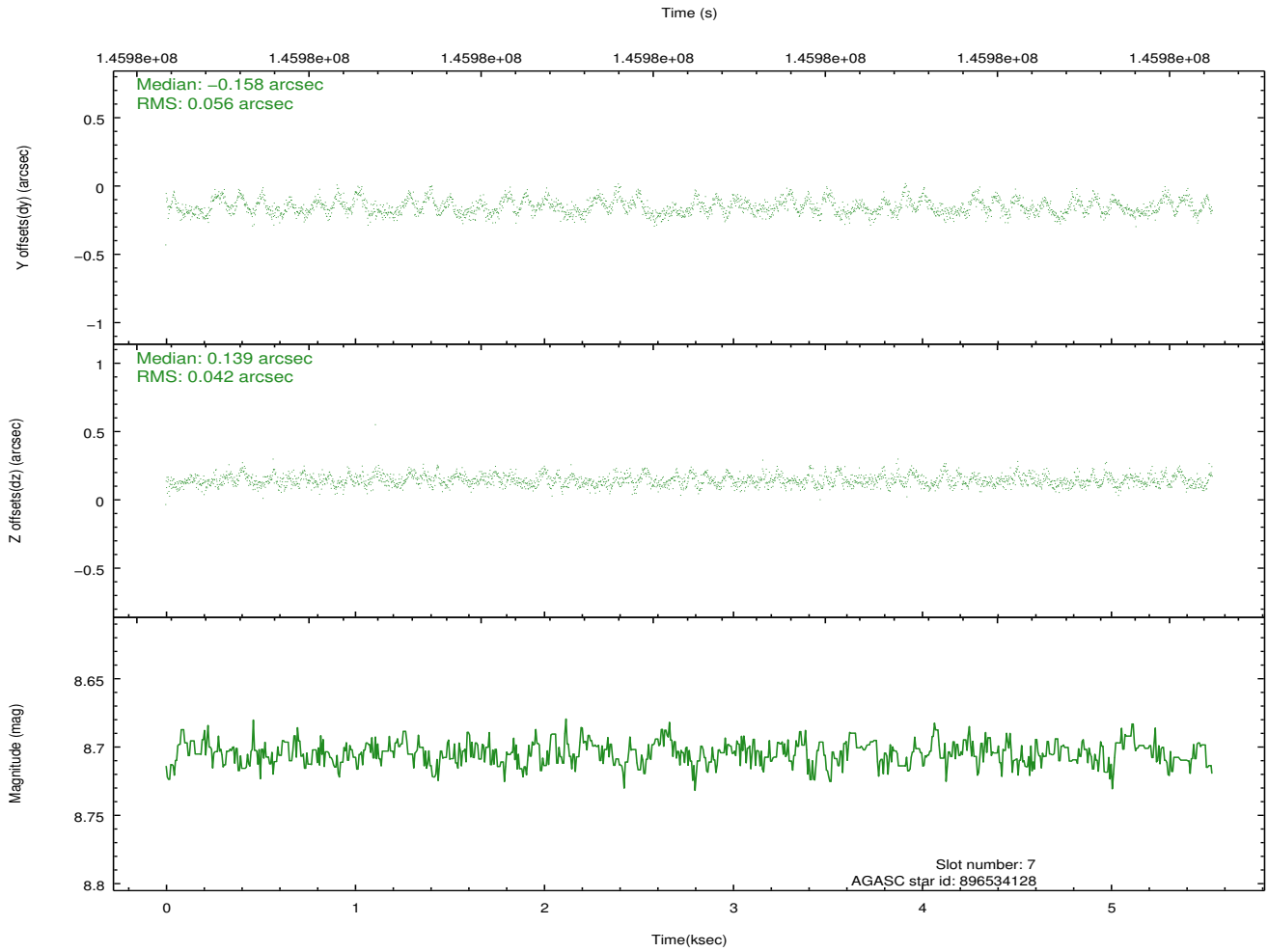
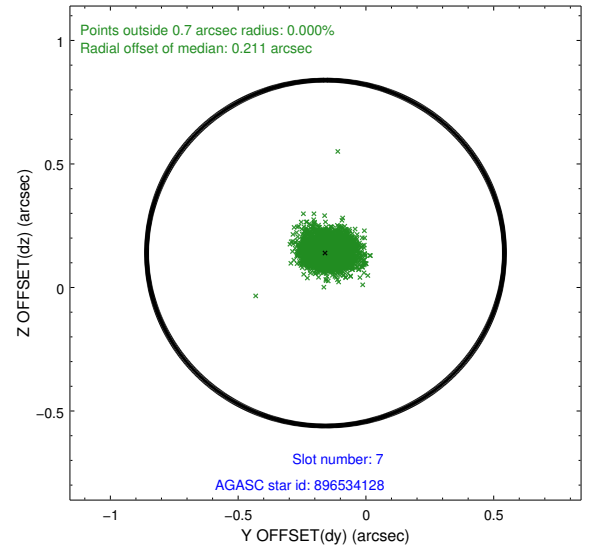
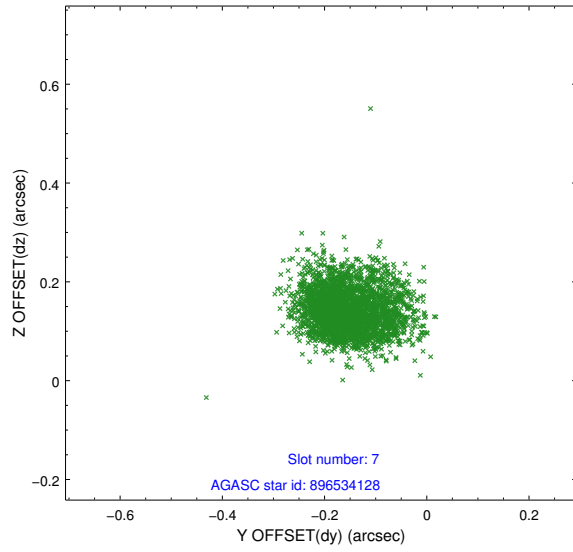
2.4.3 Slot 5



2.4.4 Slot 6

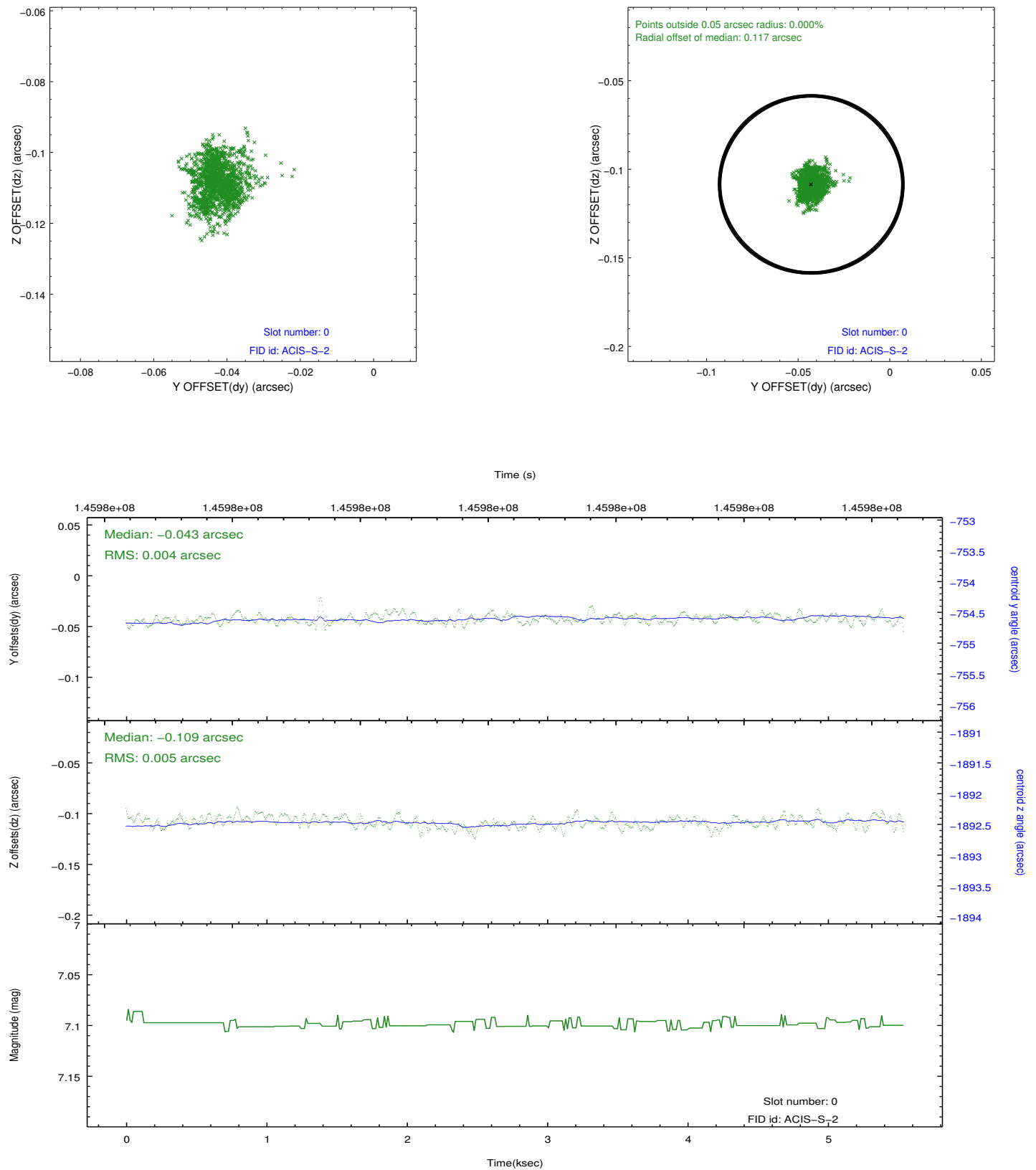


2.4.5 Slot 7

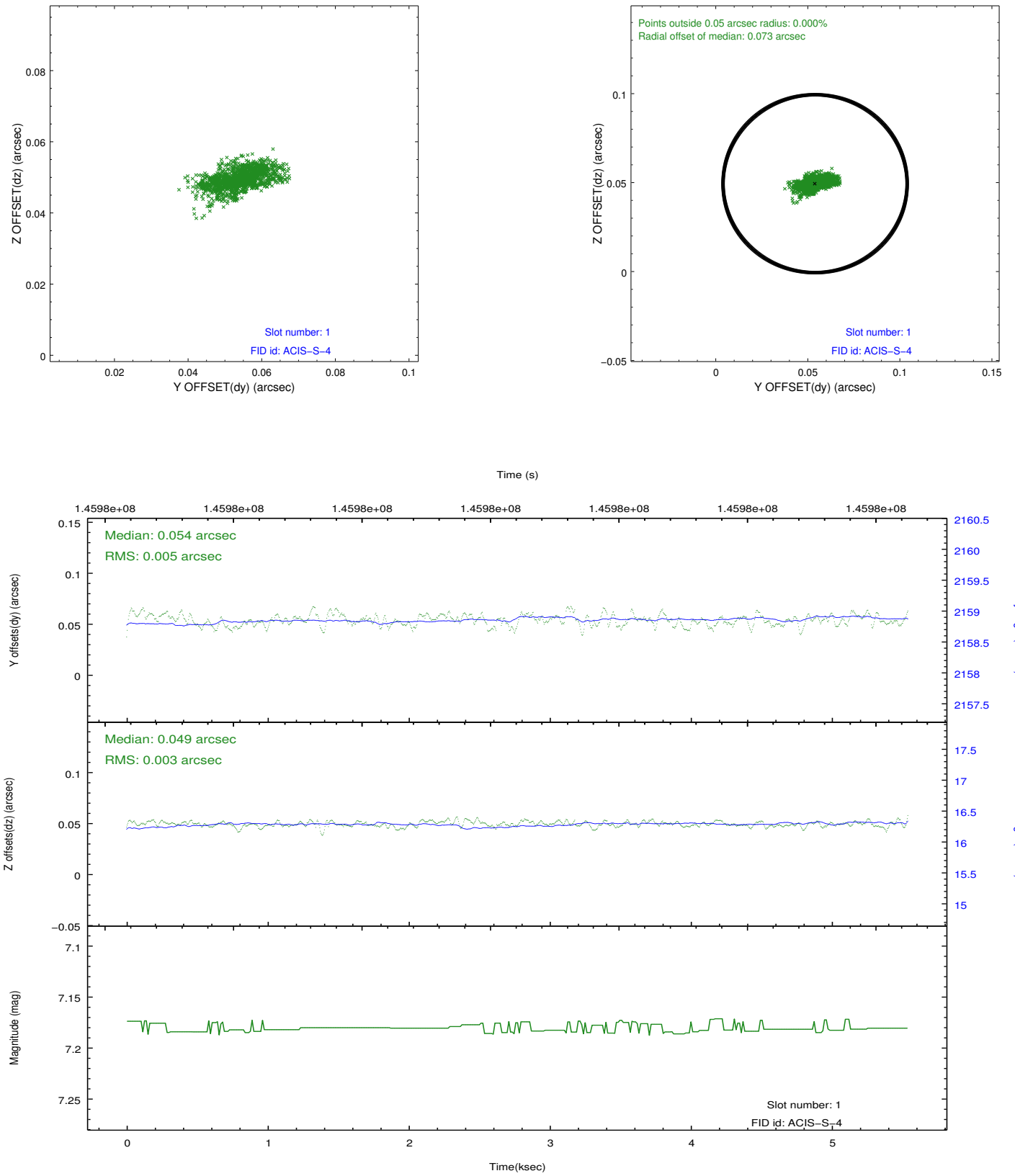


2.5 FID Slots

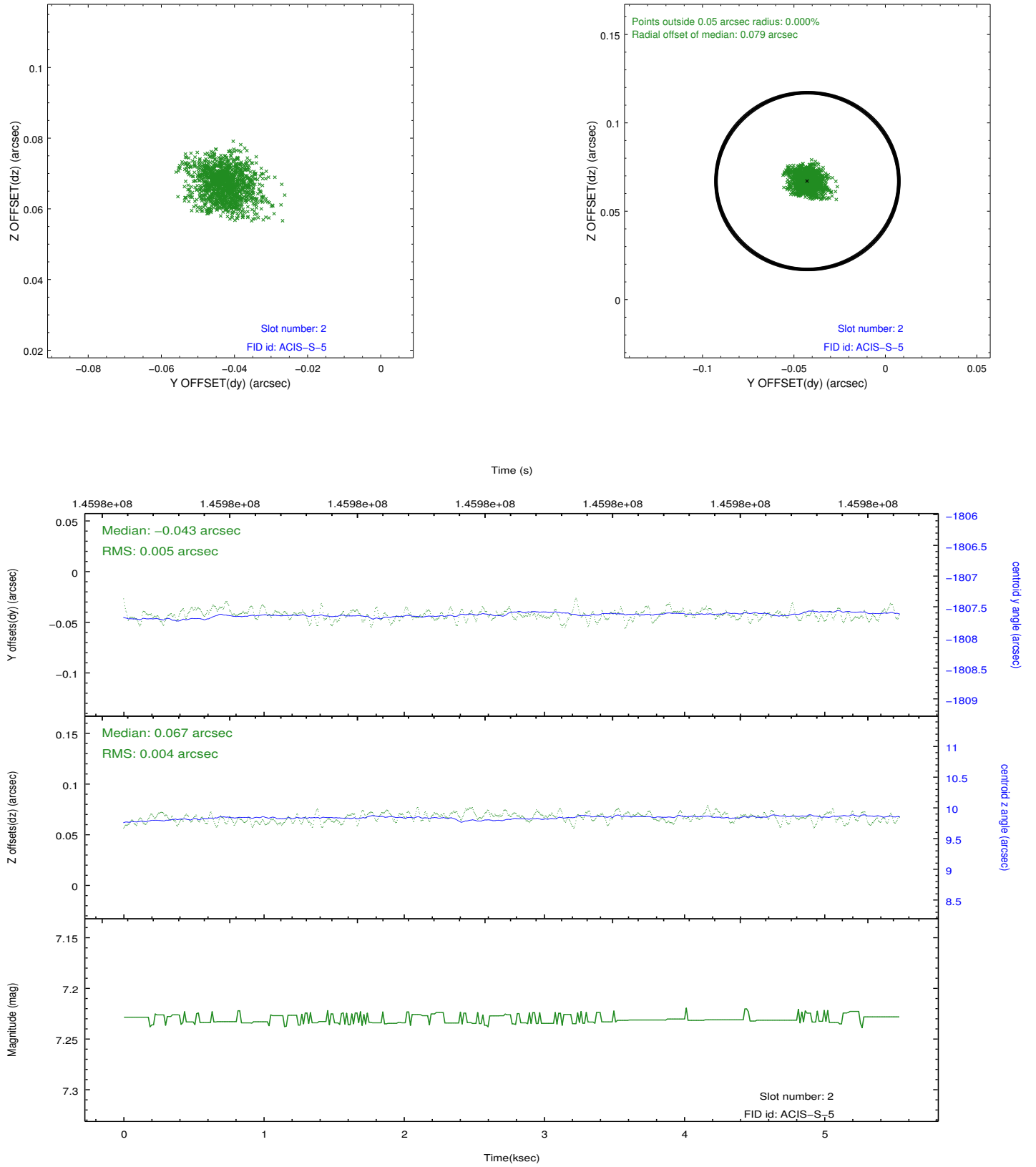
2.5.1 Slot 0



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)	2012.10.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.538

A.2 Comments

Monitor constraint met.