

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 13274 - L2 Version 1
Chandra X-Ray Center

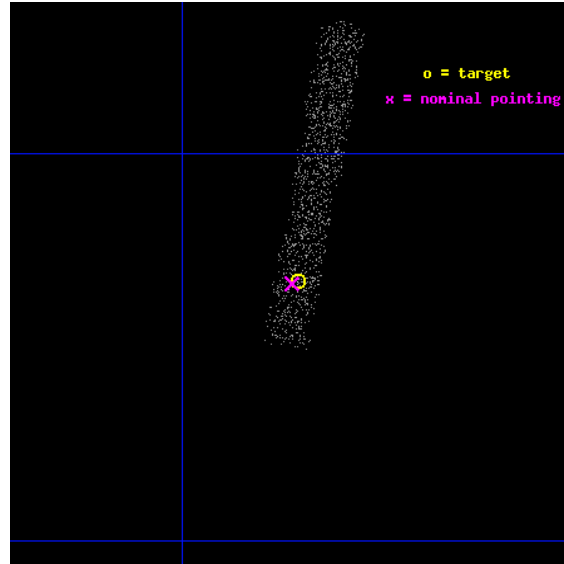
L2 Processing Date : Jul 18 2012

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1 Front

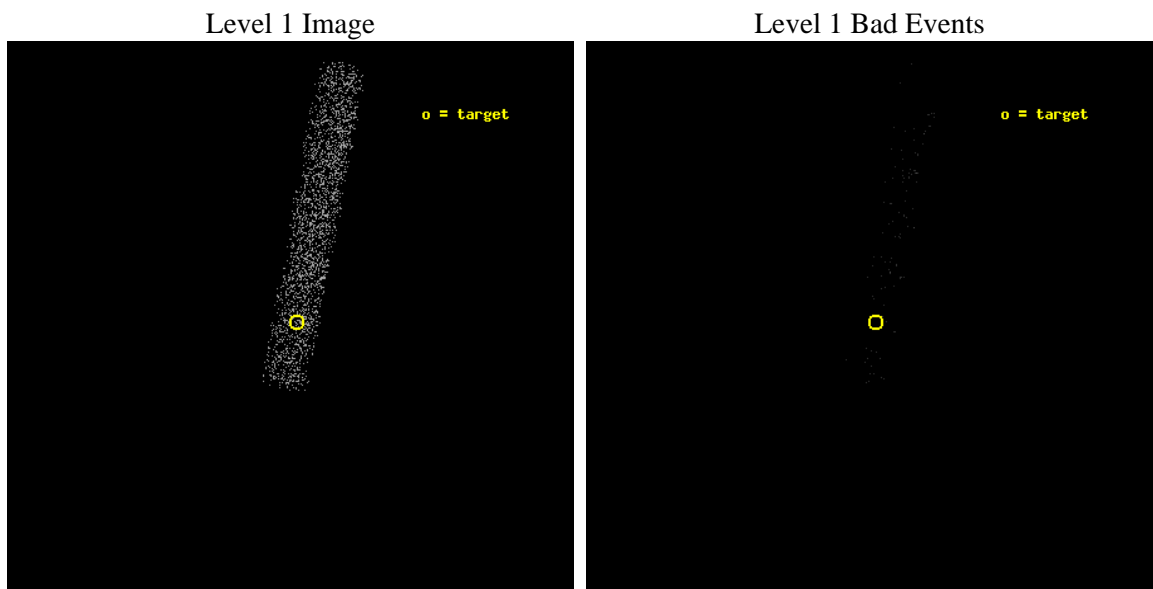
seq_num	200744	Sequence number
obs_id	13274	Observation id
title	A Search for X-ray Emission from Colliding Magnetospheres in Young Eccentric Stellar Binaries (GTO part)	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	HD152404_P1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	253.686667	Observer's specified target RA [deg]
dec_targ	-36.8885	Observer's specified target Dec [deg]
ra_nom	253.69006172784	Nominal RA [deg]
dec_nom	-36.889543903832	Nominal Dec [deg]
roll_nom	280.52628641594	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3070.2635400295	Sum of GTIs [s]
livetime	2784.5669690092	Livetime [s]
ontime7	3070.2635400295	Sum of GTIs [s]
l2events	1385	Number of level 2 events



2 OBI

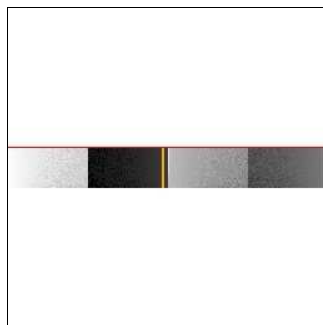
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3070.2635400295	Sum of GTIs [s]
caldsver	4.5.0	 	ontime7	3070.2635400295	Sum of GTIs [s]
date	2012-07-18T11:44:42	Date and time of file creation	l1events	2636	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

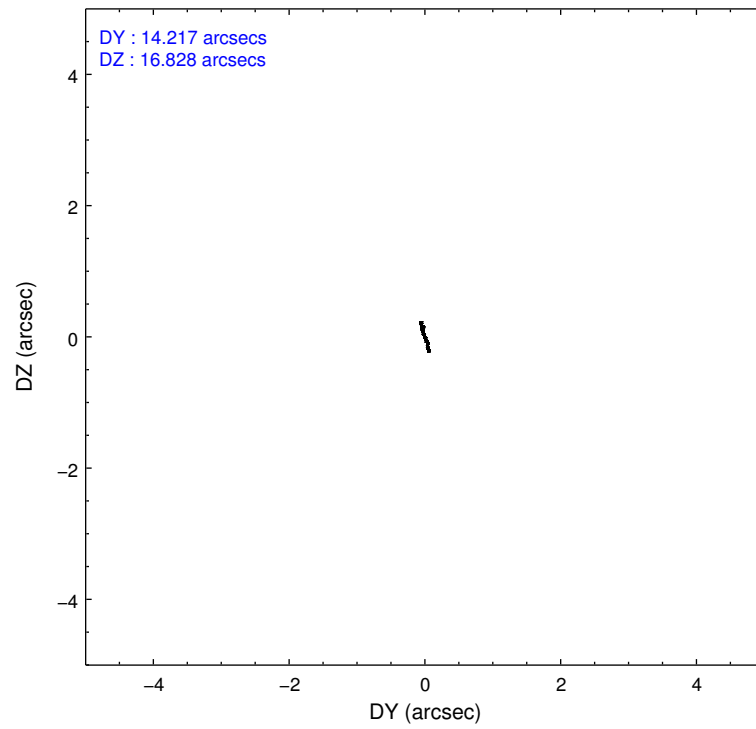
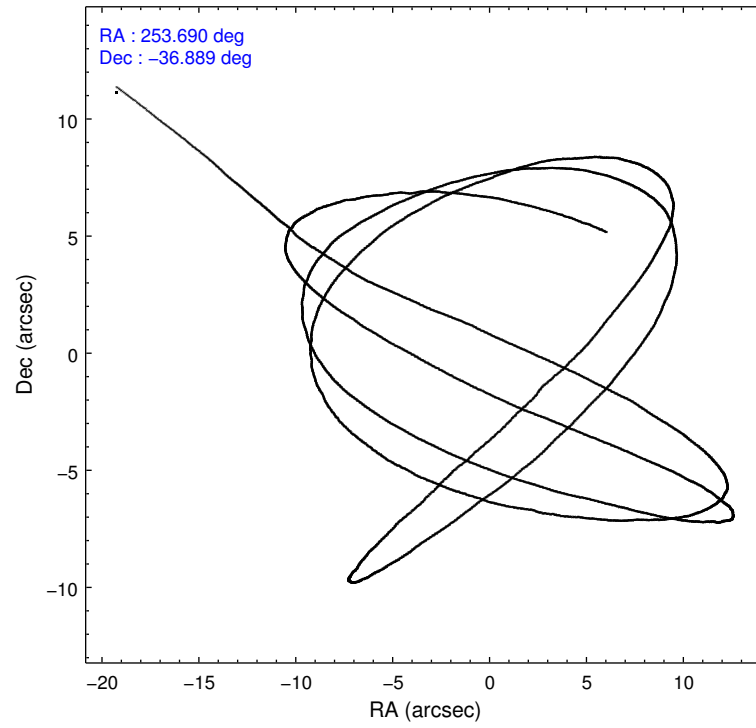
	ccd 7
level 1 events	2636
rejected events	1175
rejected %	44%

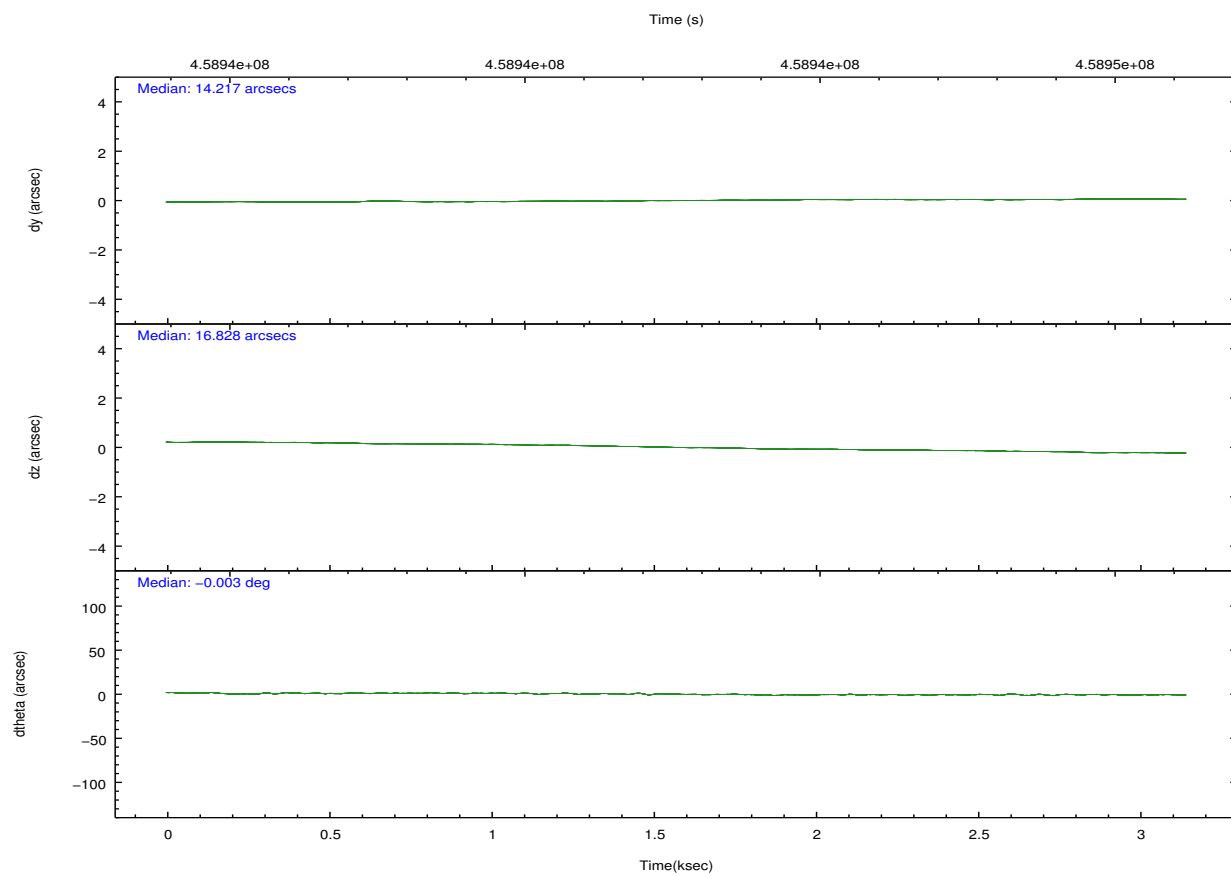
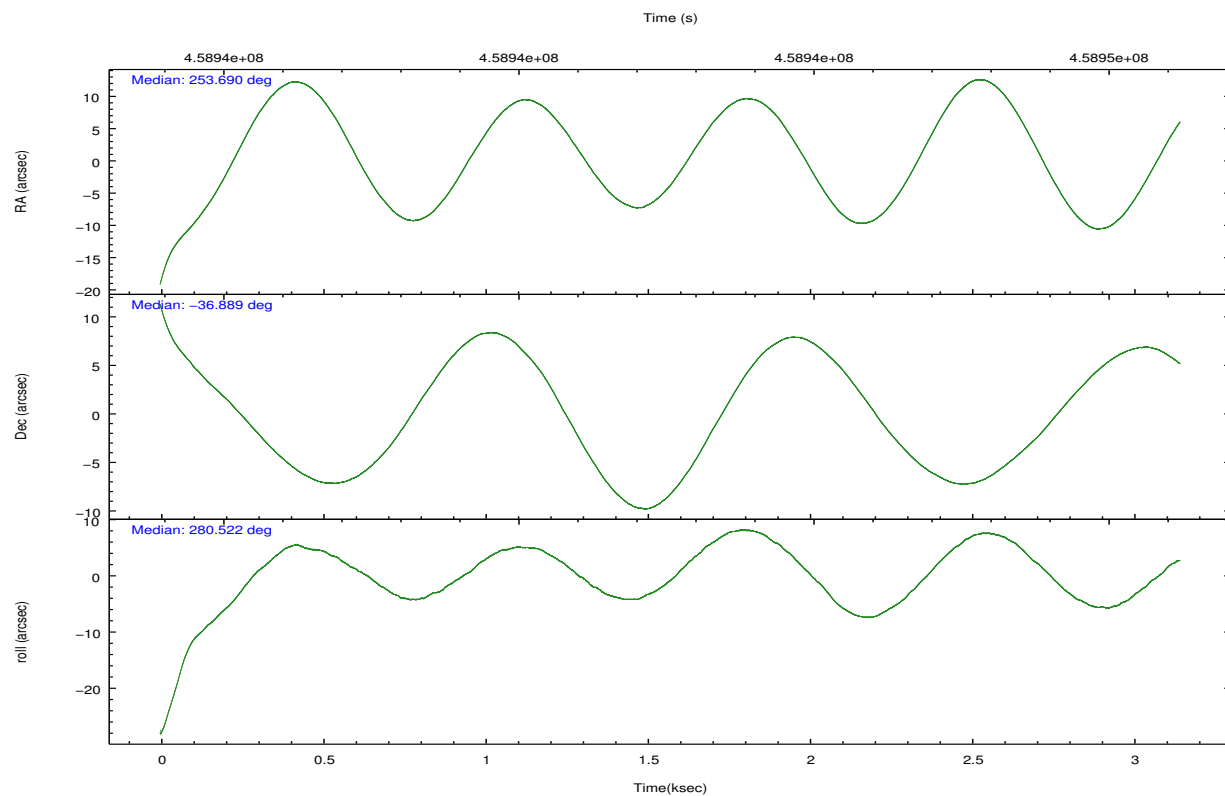
	ccd 7
grade 0 events	174
	6%
grade 1 events	3
	0%
grade 2 events	315
	11%
grade 3 events	227
	8%
grade 4 events	208
	7%
grade 5 events	261
	9%
grade 6 events	537
	20%
grade 7 events	911
	34%

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	253.667615	253.6900617278384	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-36.869098	-36.88954390383216	Subarray start row	449	449
[deg] Pointing Roll	280.356212	280.526286415936	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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	458943084.184000	458941895.75391			
Observation start date	2012-07-17T20:10:17	2012-07-17T19:51:35			
[s] Observation end time (MET)	458946084.184000	458946465.71665			
Observation end date	2012-07-17T21:00:17	2012-07-17T21:07:45			
Read mode	TIMED	TIMED			

2.3 Aspect



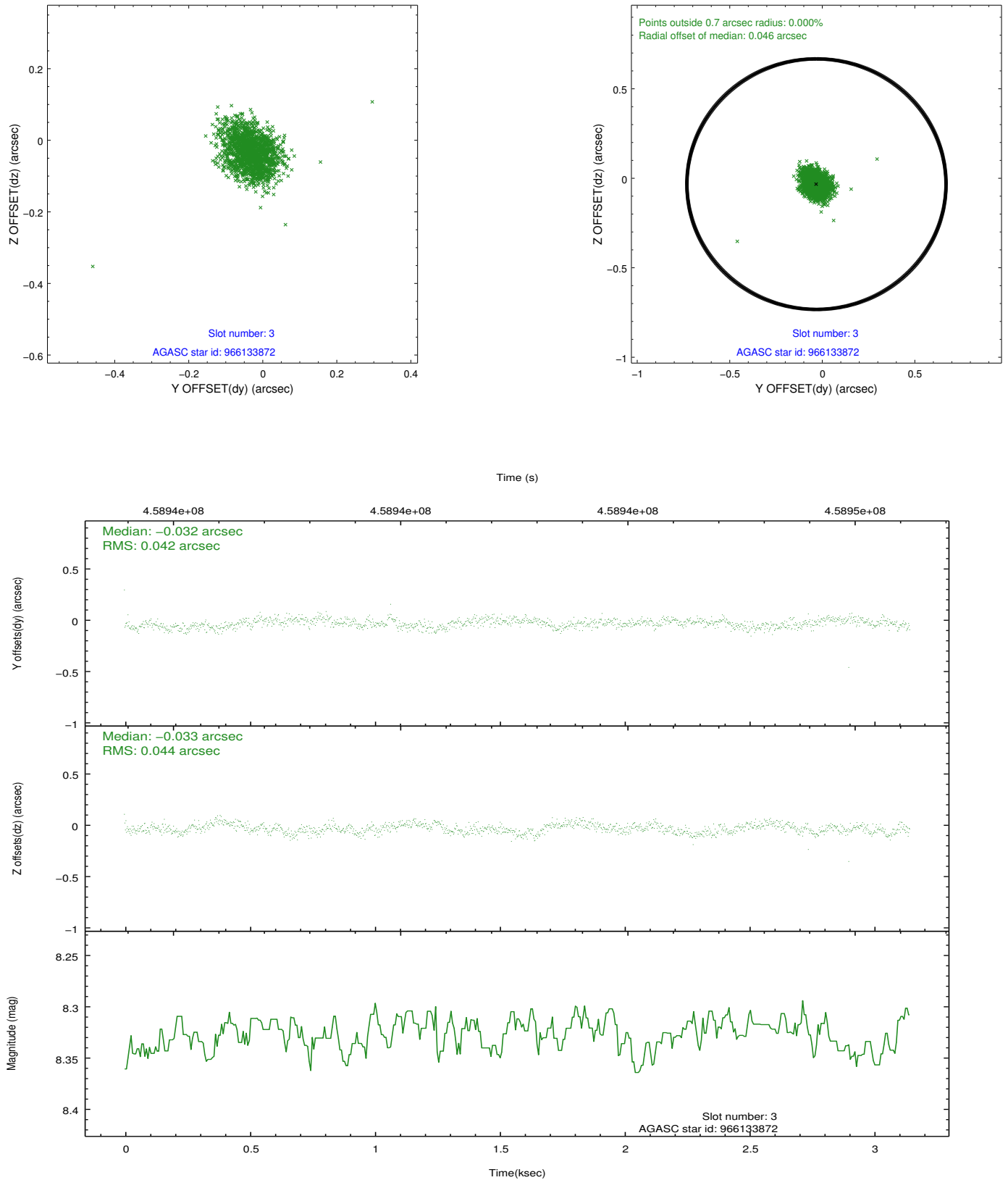


Slot Statistics

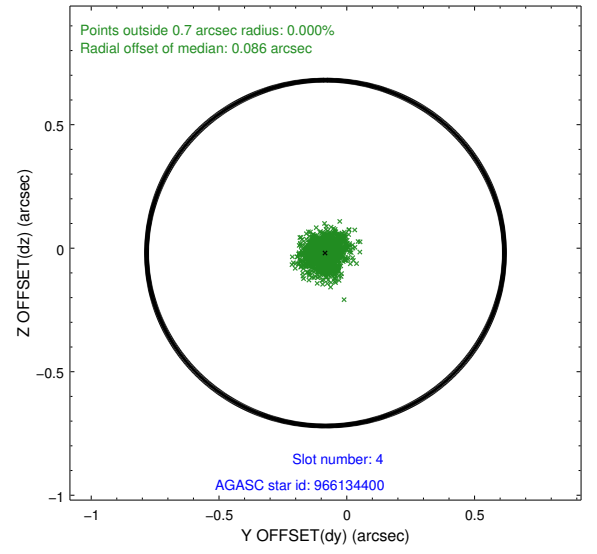
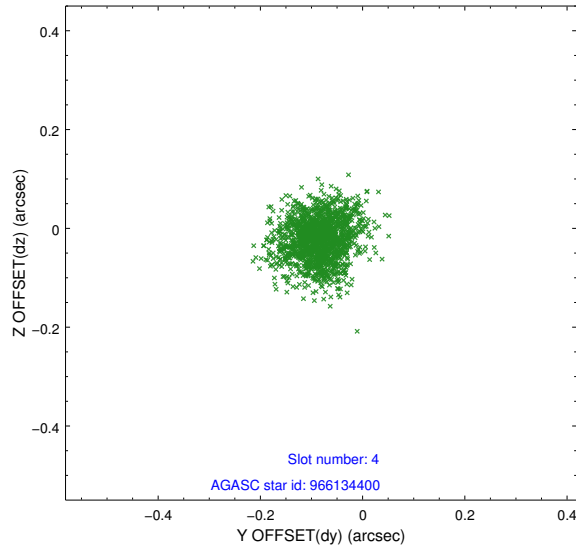
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.91	767	-0.065	-0.011	0.009	0.014	0.000000	0.000000	-767.26	-1738.26
1	FID	ACIS-S-4	6.99	767	0.209	0.035	0.006	0.010	0.000000	0.000000	2145.39	168.12
2	FID	ACIS-S-5	7.03	768	-0.174	-0.015	0.009	0.014	0.000000	0.000000	-1817.59	164.10
3	GUIDE	966133872	8.33	1534	-0.032	-0.033	0.062	0.101	253.026517	-37.207397	874.48	-2027.84
4	GUIDE	966134400	8.27	1532	-0.083	-0.020	0.062	0.104	253.756019	-36.335662	-1841.66	596.23
5	GUIDE	966138984	7.59	1535	-0.019	-0.009	0.057	0.092	253.662105	-36.225216	-2283.67	401.61
6	GUIDE	966270744	8.98	1534	0.098	0.099	0.071	0.115	254.514780	-37.416741	2384.68	2027.48
7	GUIDE	1031275672	8.33	1534	0.036	-0.036	0.068	0.116	253.533343	-37.574759	2433.24	-832.13

2.4 Star Slots

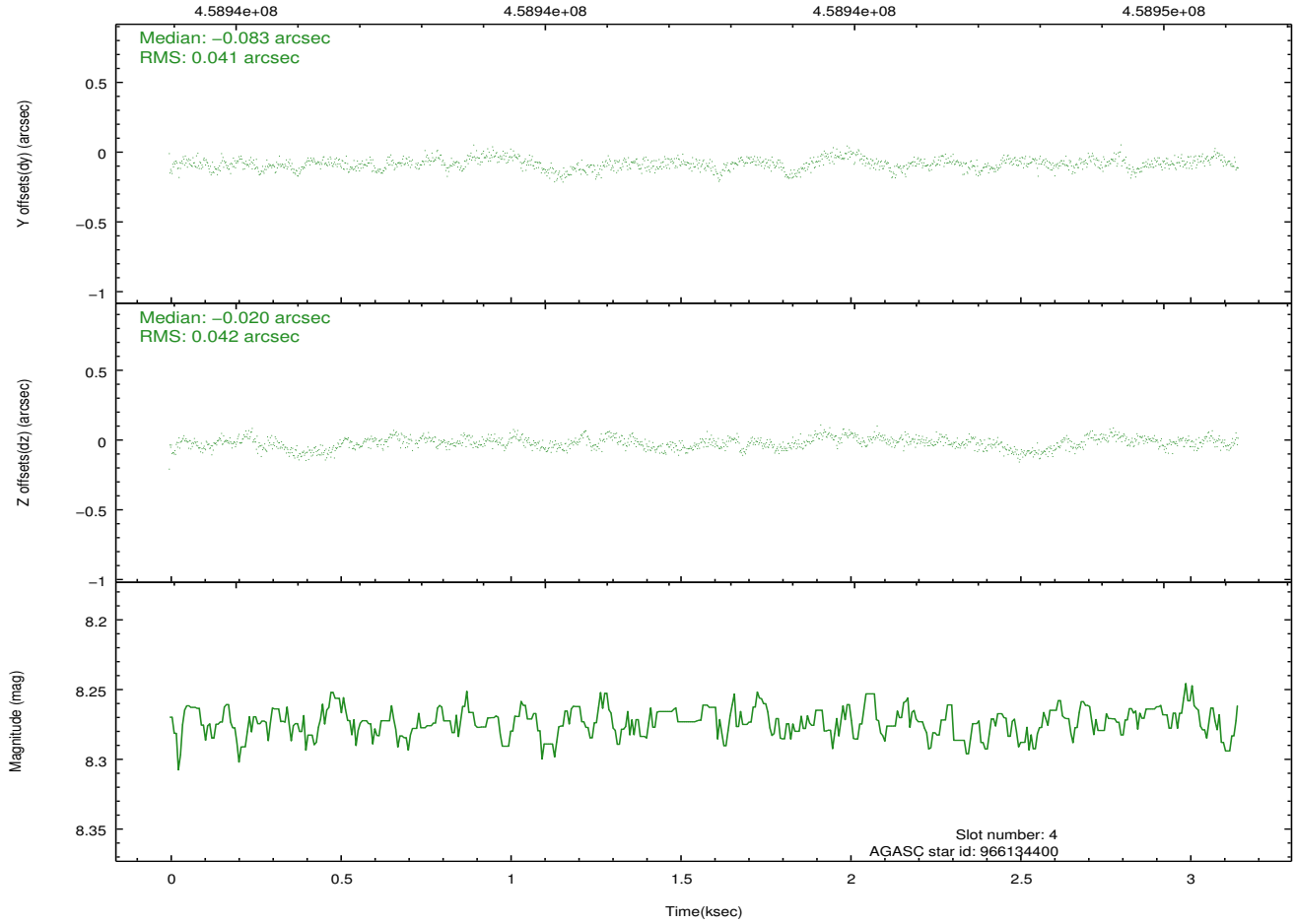
2.4.1 Slot 3



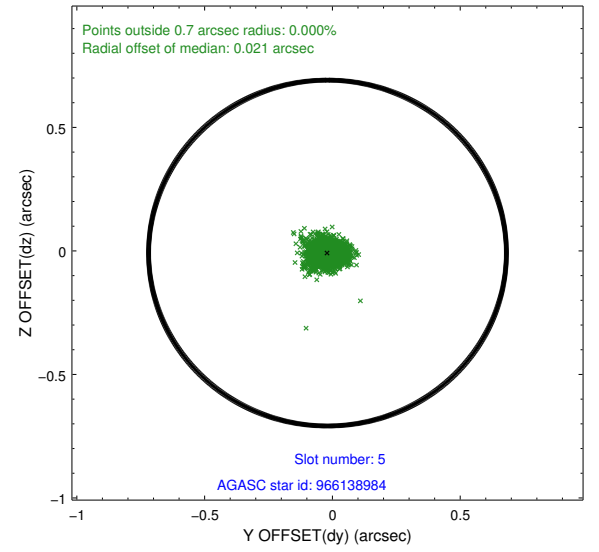
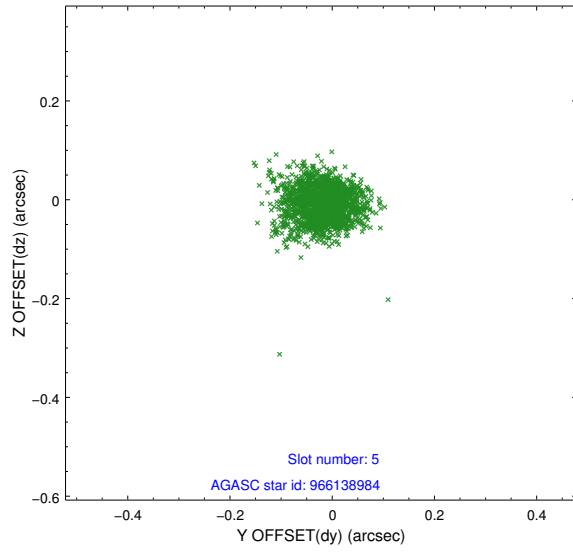
2.4.2 Slot 4



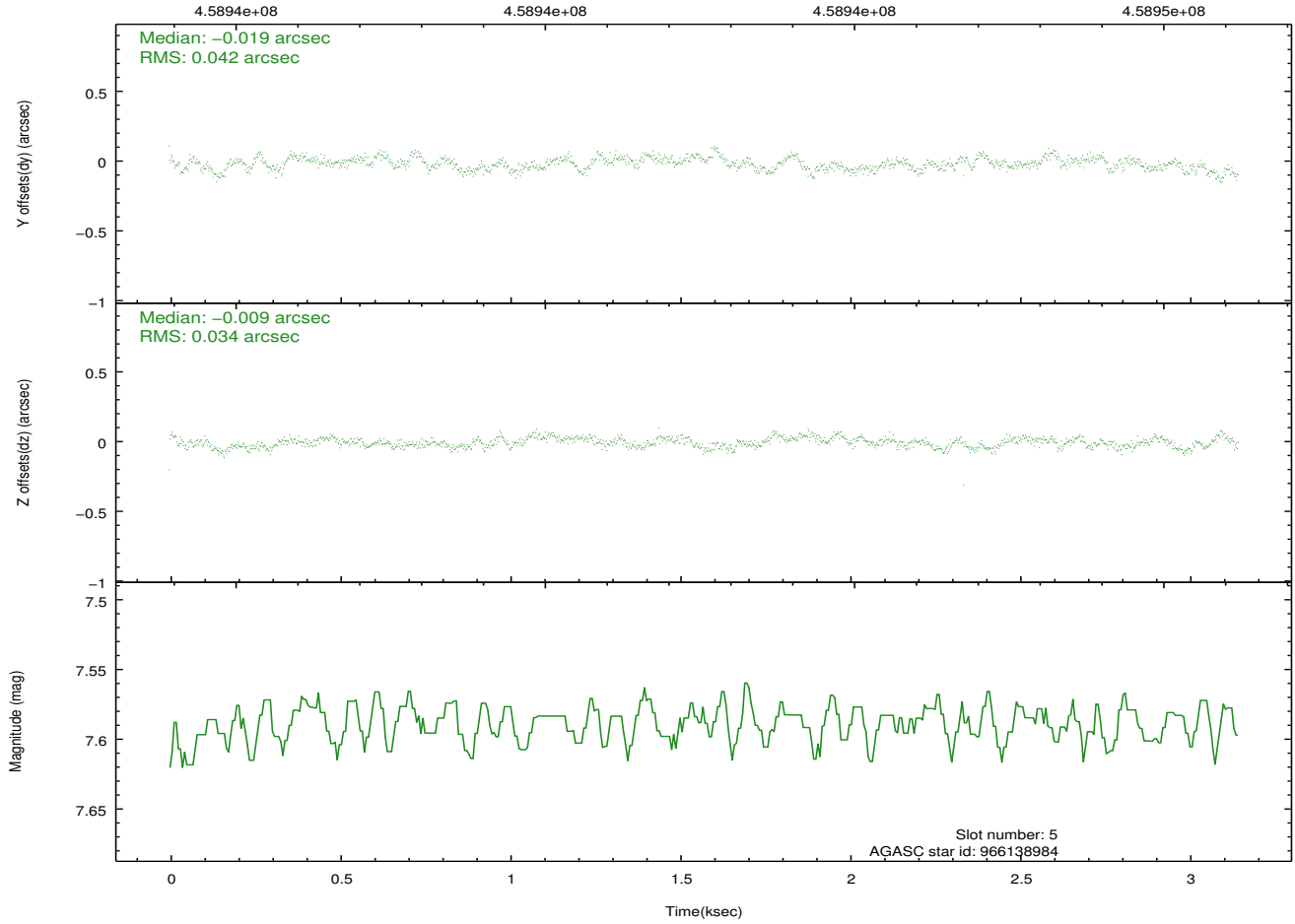
Time (s)



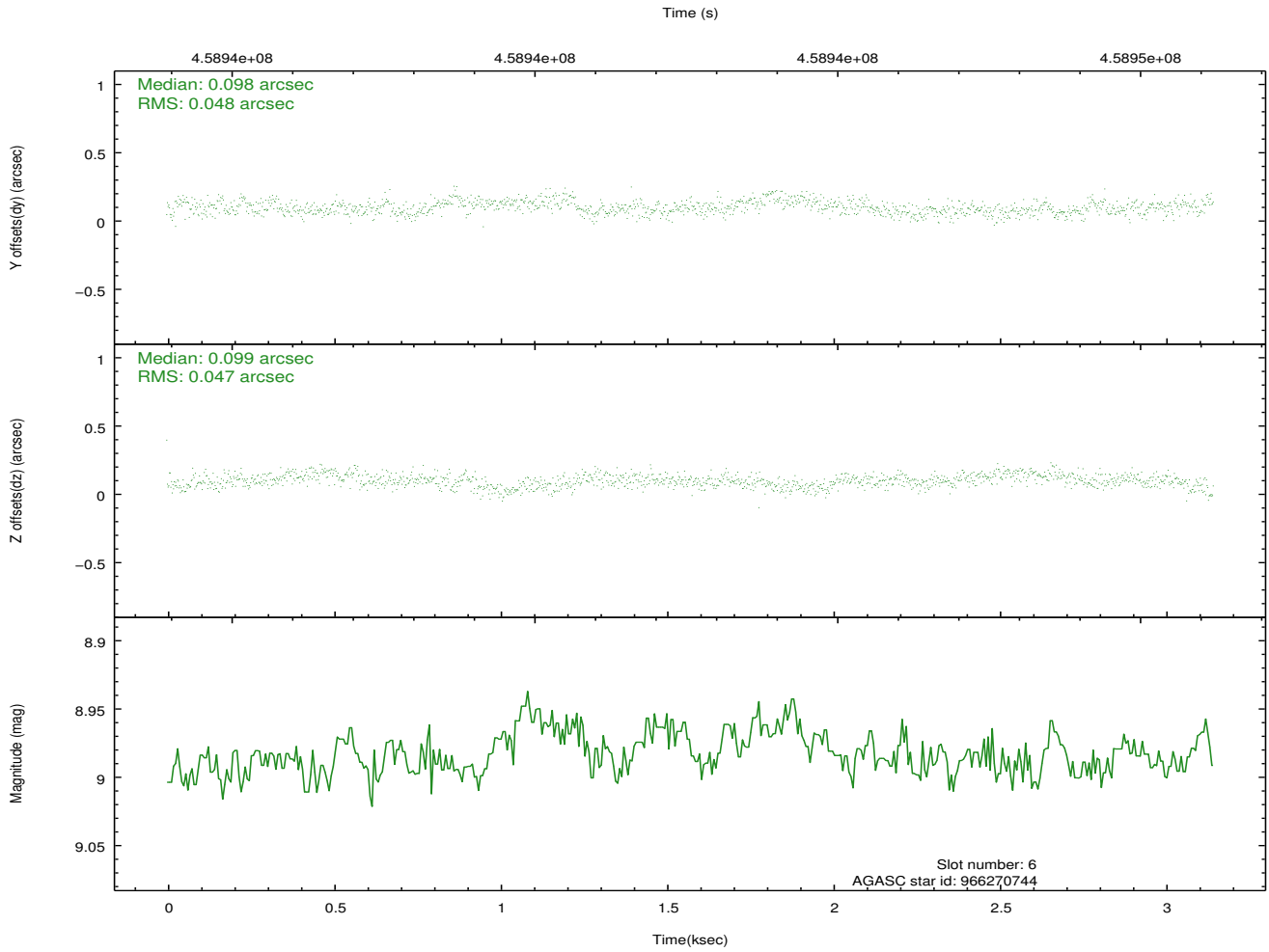
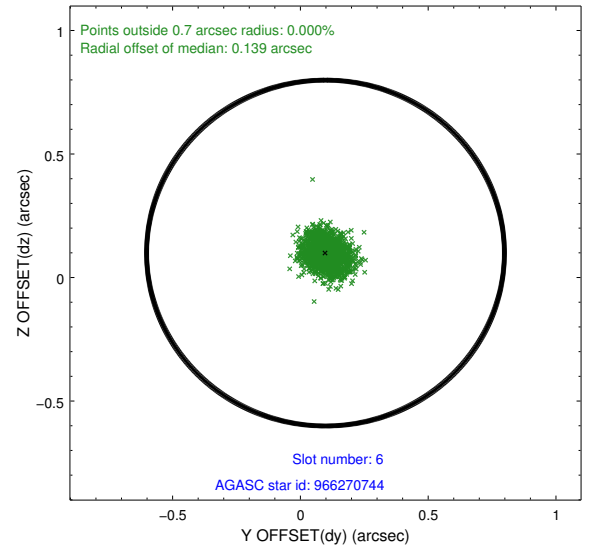
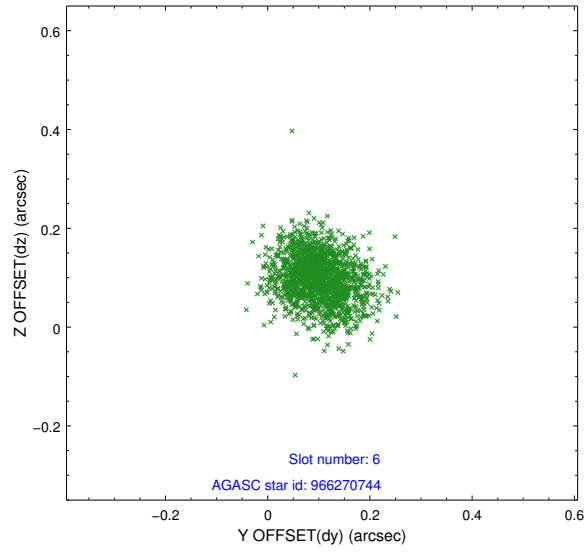
2.4.3 Slot 5



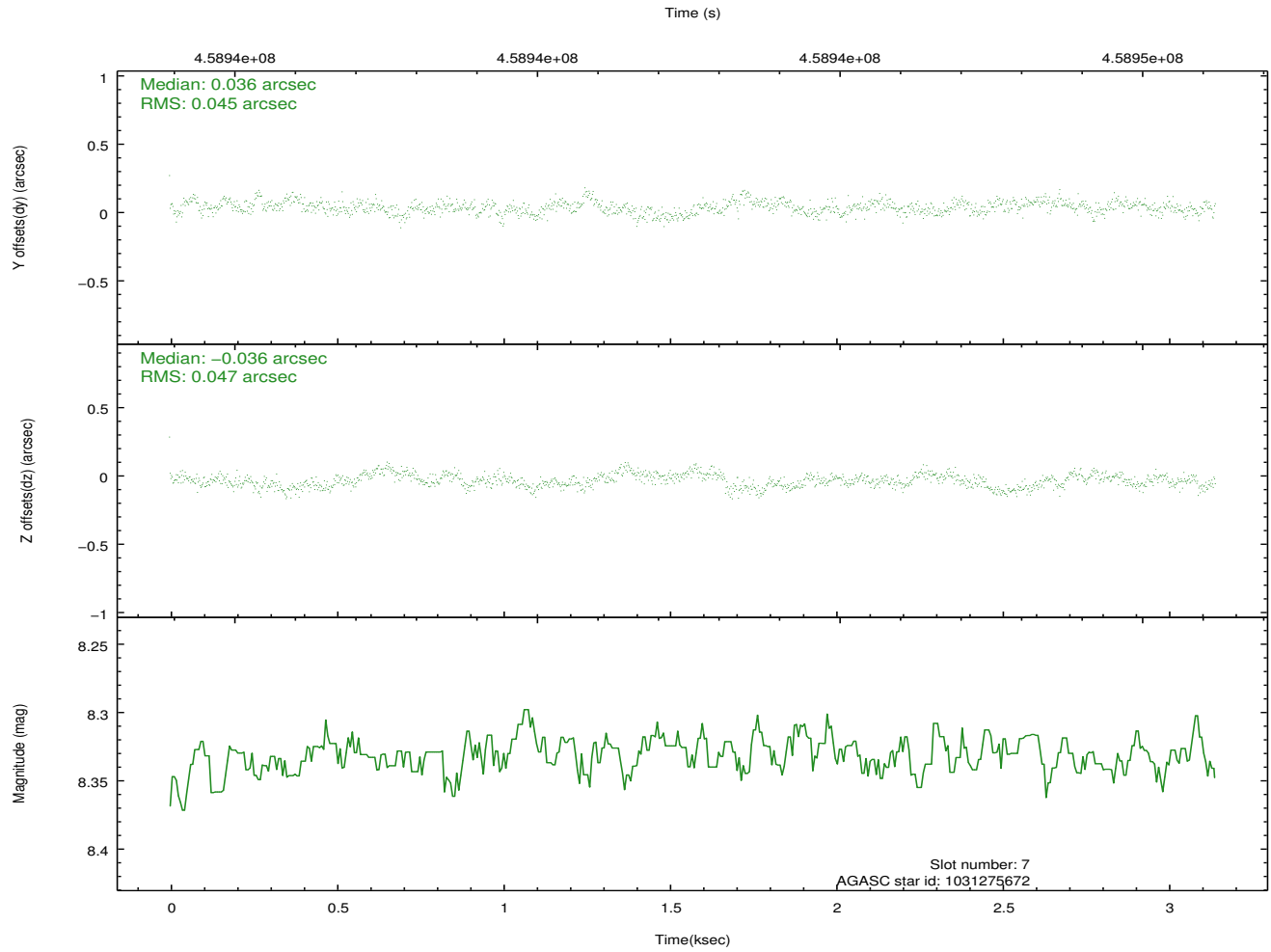
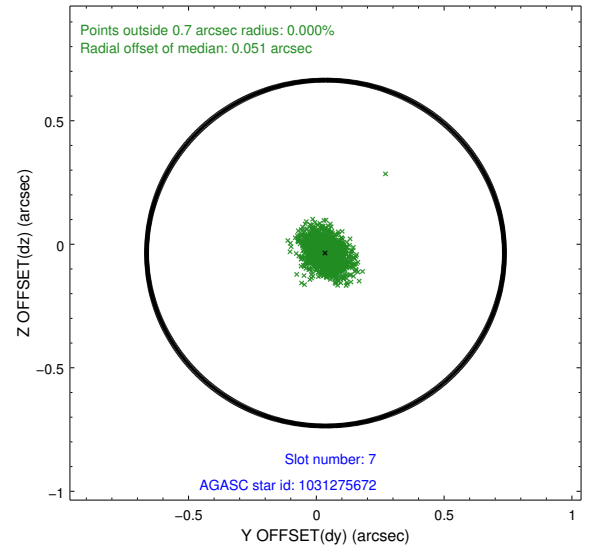
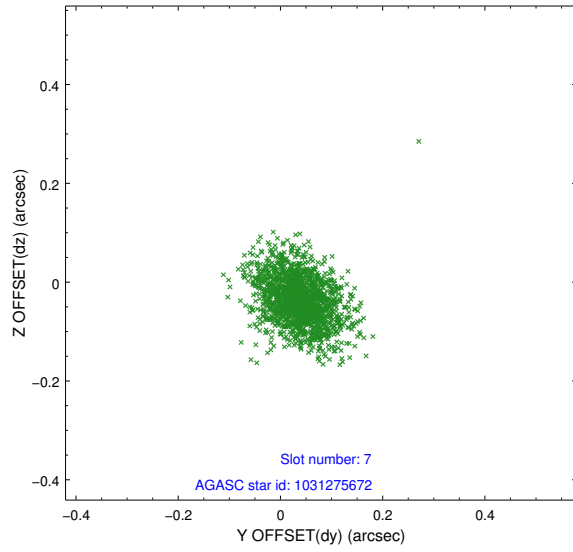
Time (s)



2.4.4 Slot 6

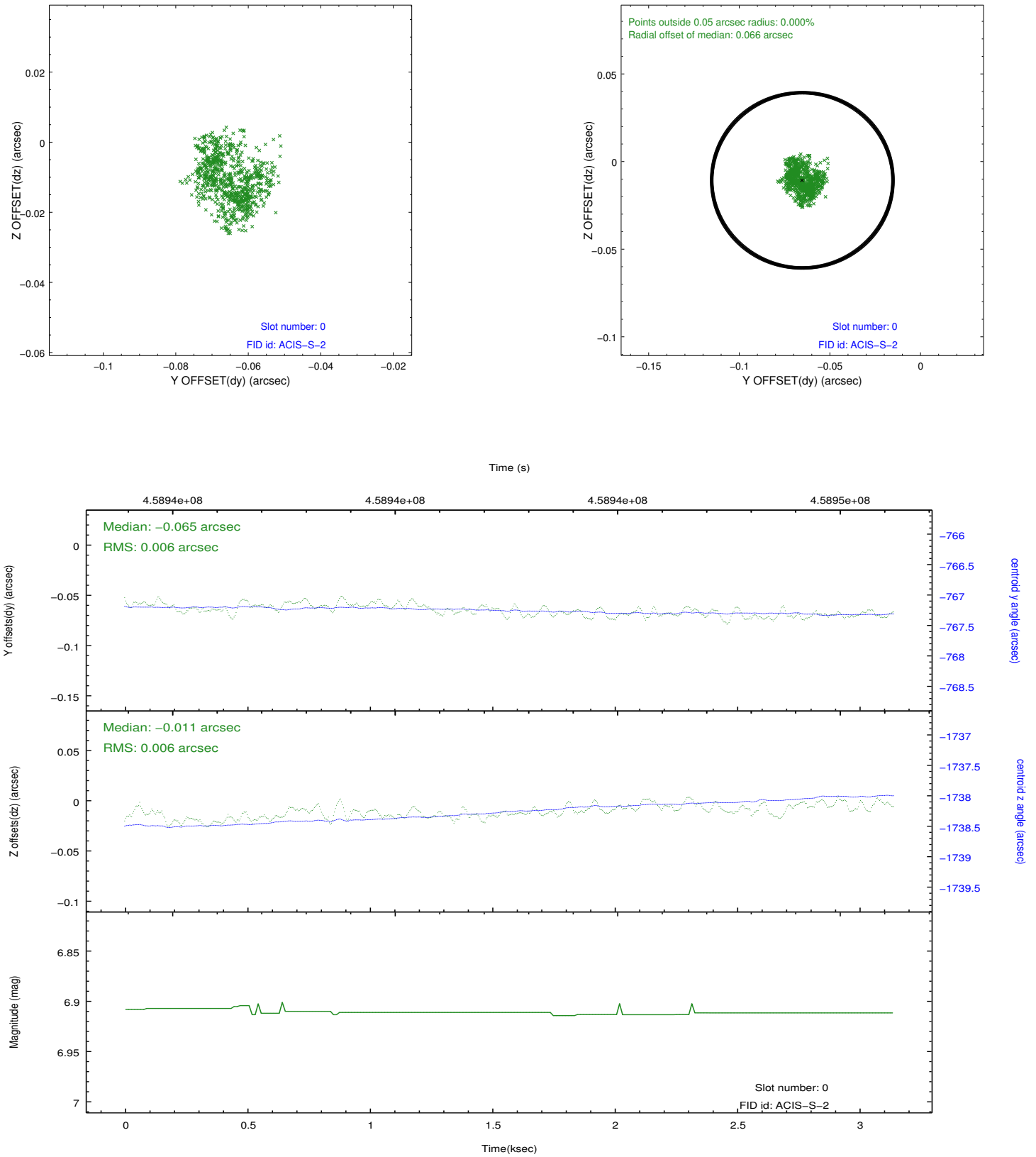


2.4.5 Slot 7

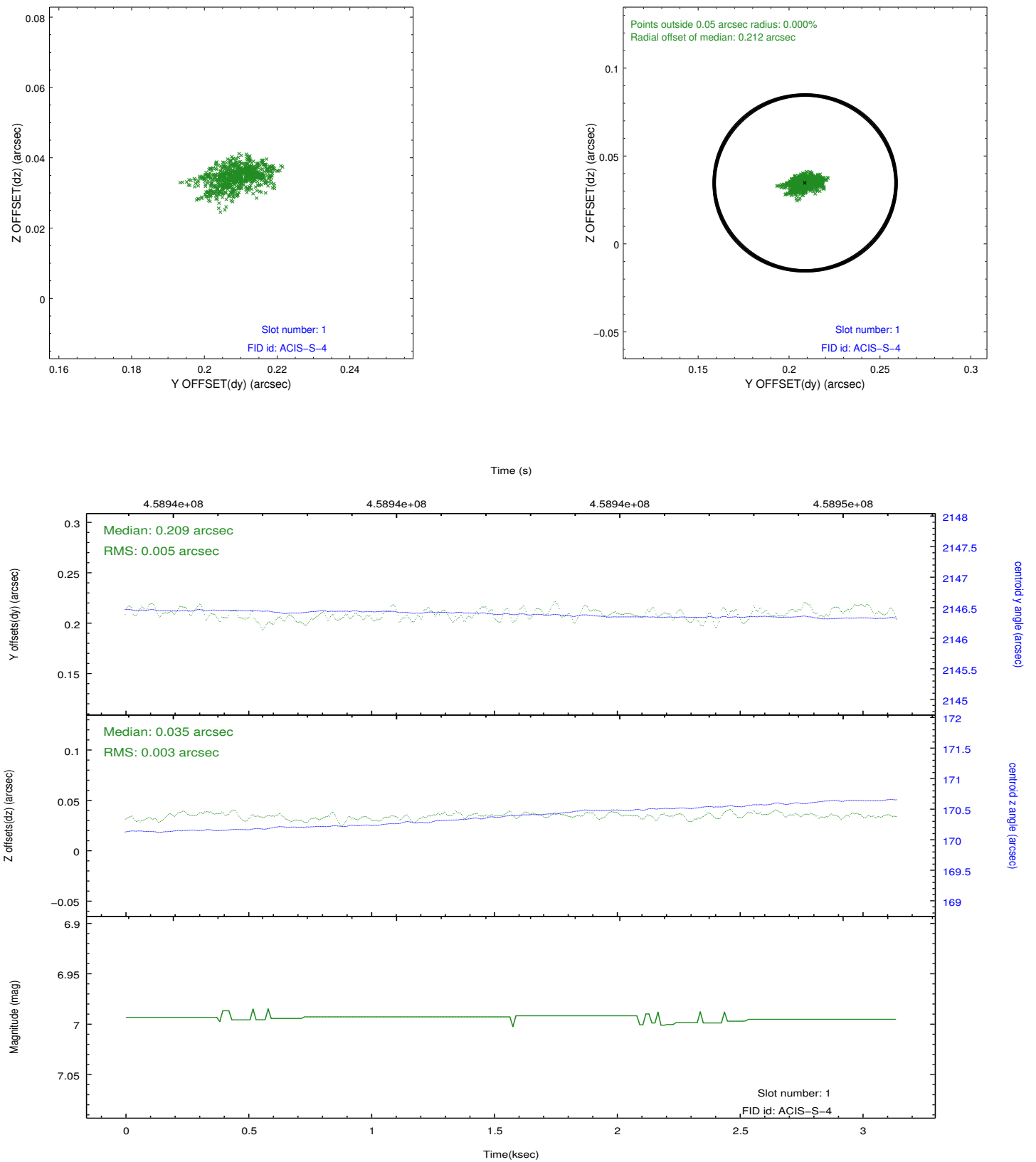


2.5 FID Slots

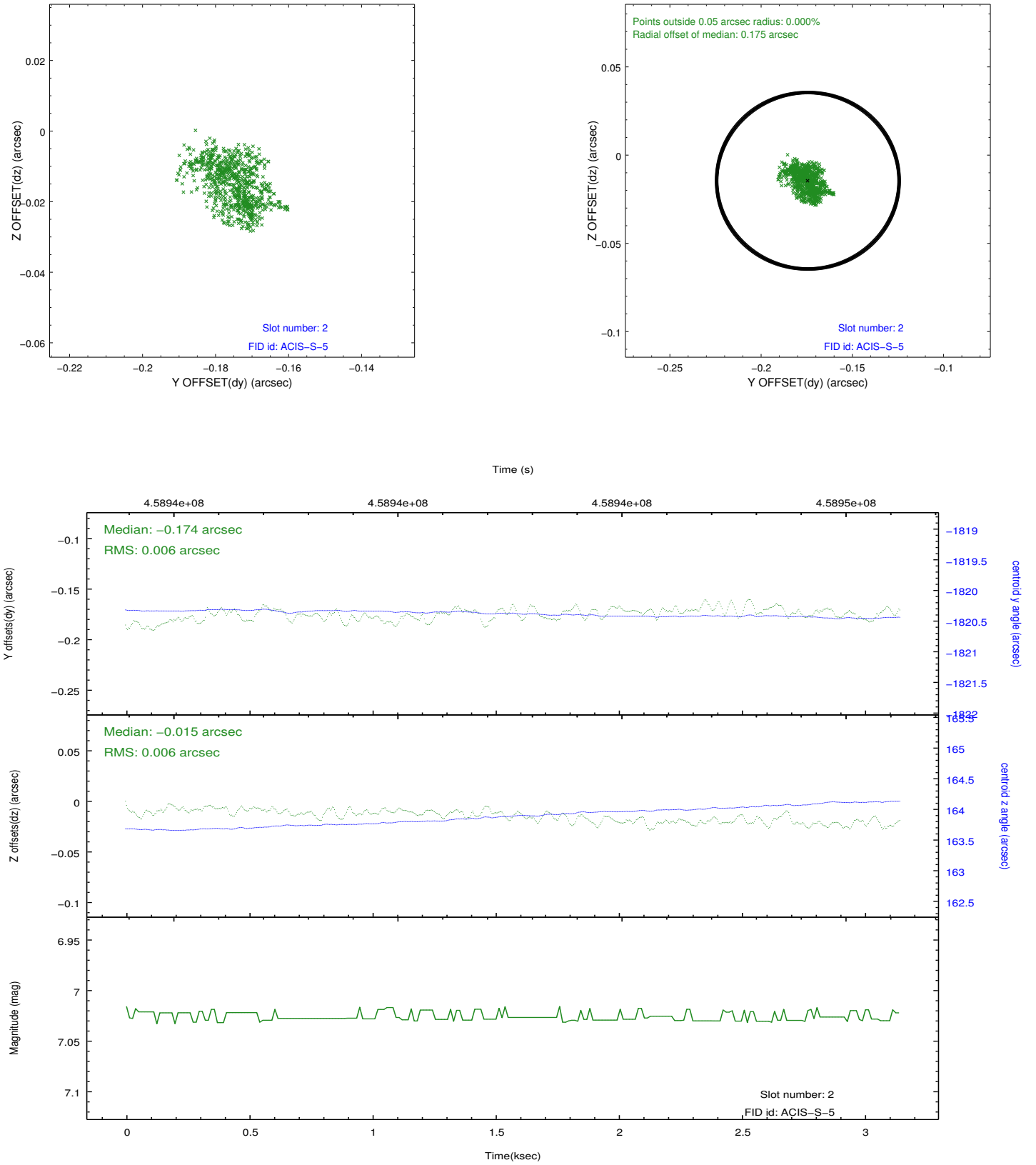
2.5.1 Slot 0



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)	2012.07.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.0702635400295

A.2 Comments