

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 13275 - L2 Version 1
Chandra X-Ray Center

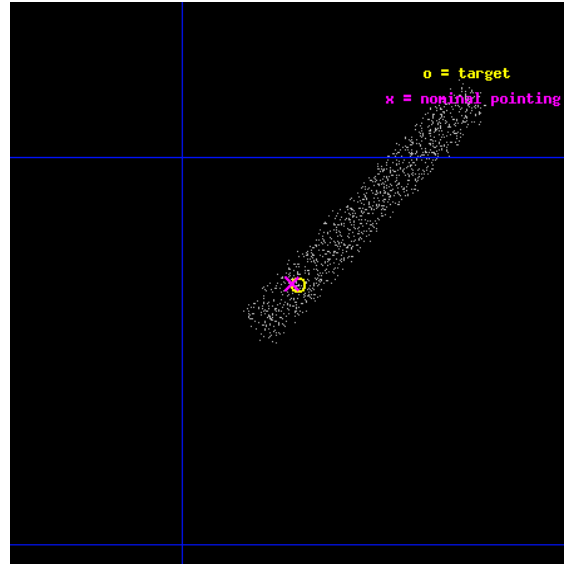
L2 Processing Date : Jun 24 2012

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1 Front

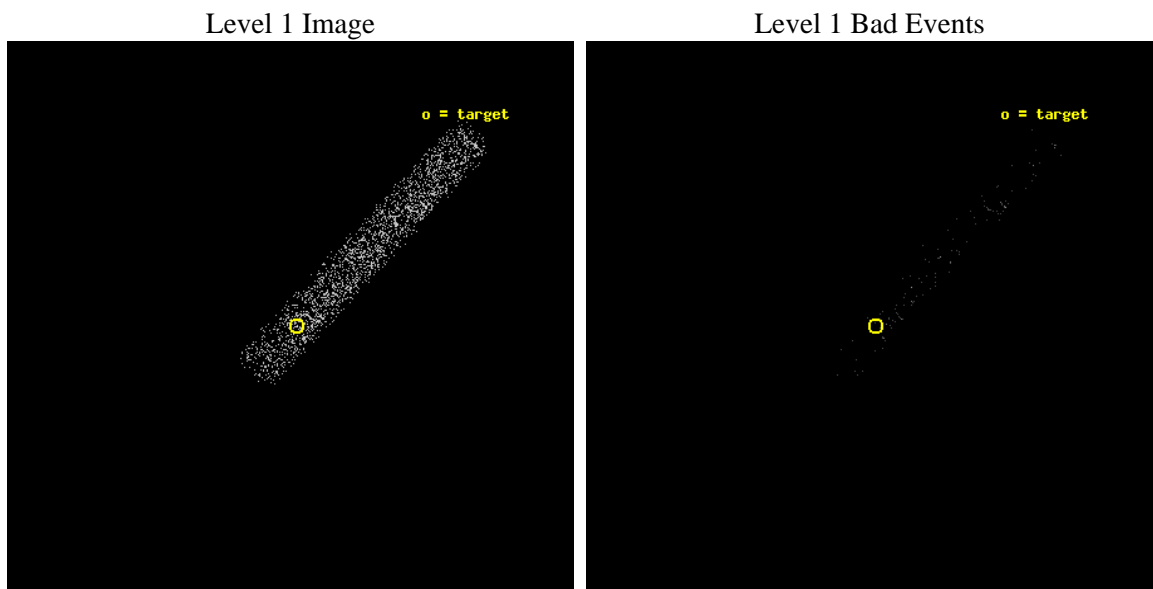
seq_num	200745	Sequence number
obs_id	13275	Observation id
title	A Search for X-ray Emission from Colliding Magnetospheres in Young Eccentric Stellar Binaries (GTO part)	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	HD152404_P2	Source name
dtcycle	0	
cycle	P	events from 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	253.69039650743	Nominal RA [deg]
dec_nom	-36.88792079217	Nominal Dec [deg]
roll_nom	313.15900817341	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3068.3998171091	Sum of GTIs [s]
livetime	2782.8766706957	Livetime [s]
ontime7	3068.3998171091	Sum of GTIs [s]
l2events	1239	Number of level 2 events



2 OBI

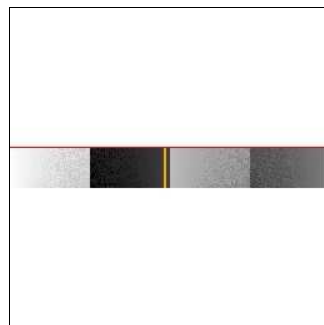
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3068.3998171091	Sum of GTIs [s]
caldsver	4.4.10	 	ontime7	3068.3998171091	Sum of GTIs [s]
date	2012-06-24T20:38:12	Date and time of file creation	l1events	2472	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

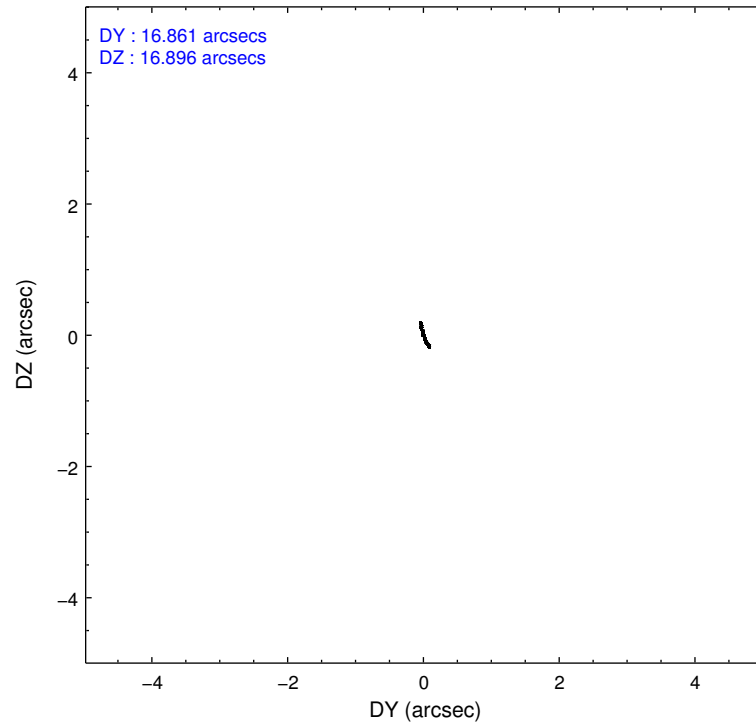
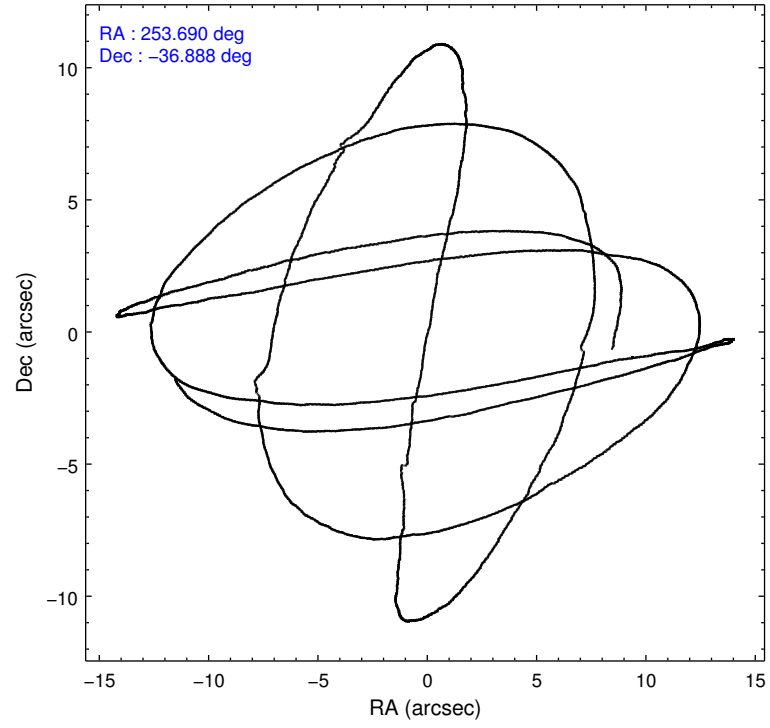
	ccd 7
level 1 events	2472
rejected events	1165
rejected %	47%

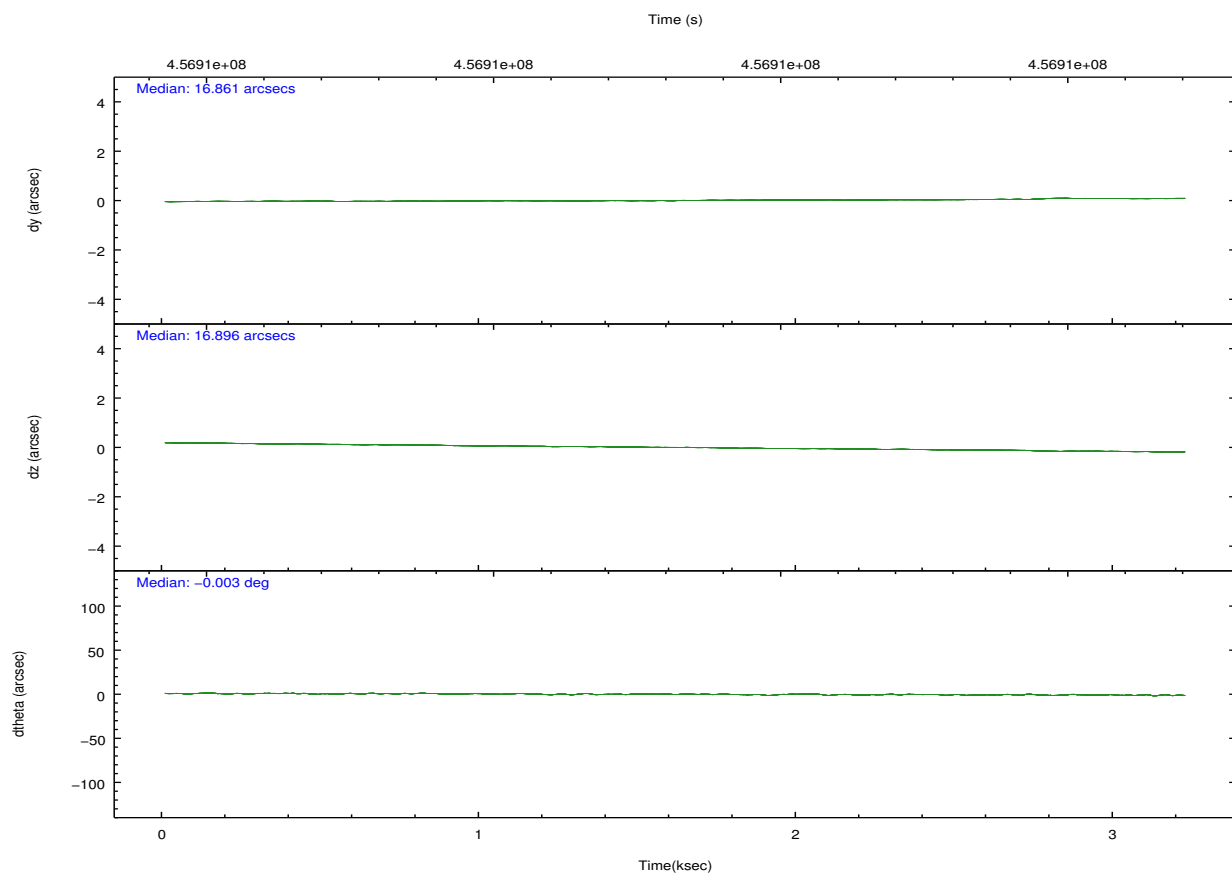
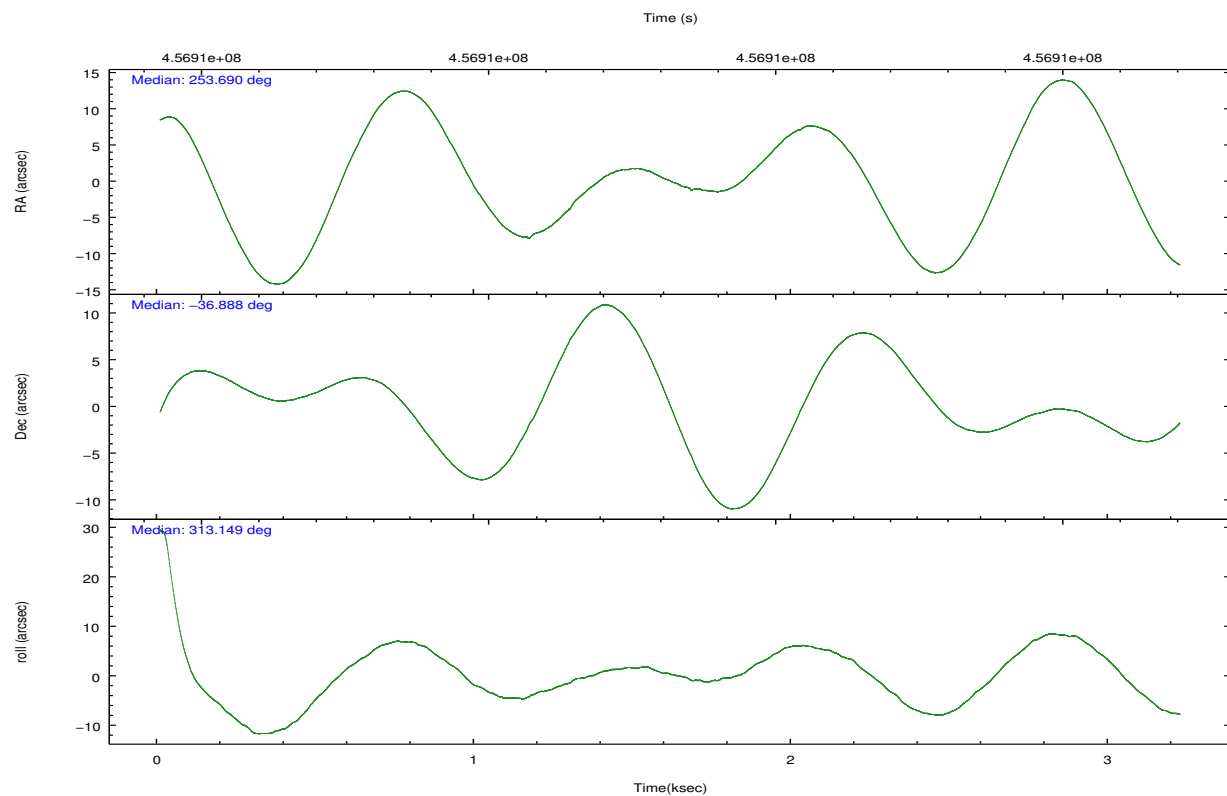
	ccd 7
grade 0 events	148
	5%
grade 1 events	2
	0%
grade 2 events	279
	11%
grade 3 events	177
	7%
grade 4 events	198
	8%
grade 5 events	276
	11%
grade 6 events	505
	20%
grade 7 events	887
	35%

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	253.657537	253.6903965074313	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-36.880374	-36.88792079216982	Subarray start row	449	449
[deg] Pointing Roll	312.982516	313.159008173413	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)	456910246.184000	456909660.43297			
Observation start date	2012-06-24T07:29:40	2012-06-24T07:21:00			
[s] Observation end time (MET)	456913246.184000	456914236.03321			
Observation end date	2012-06-24T08:19:40	2012-06-24T08:37:16			
Read mode	TIMED	TIMED			

2.3 Aspect



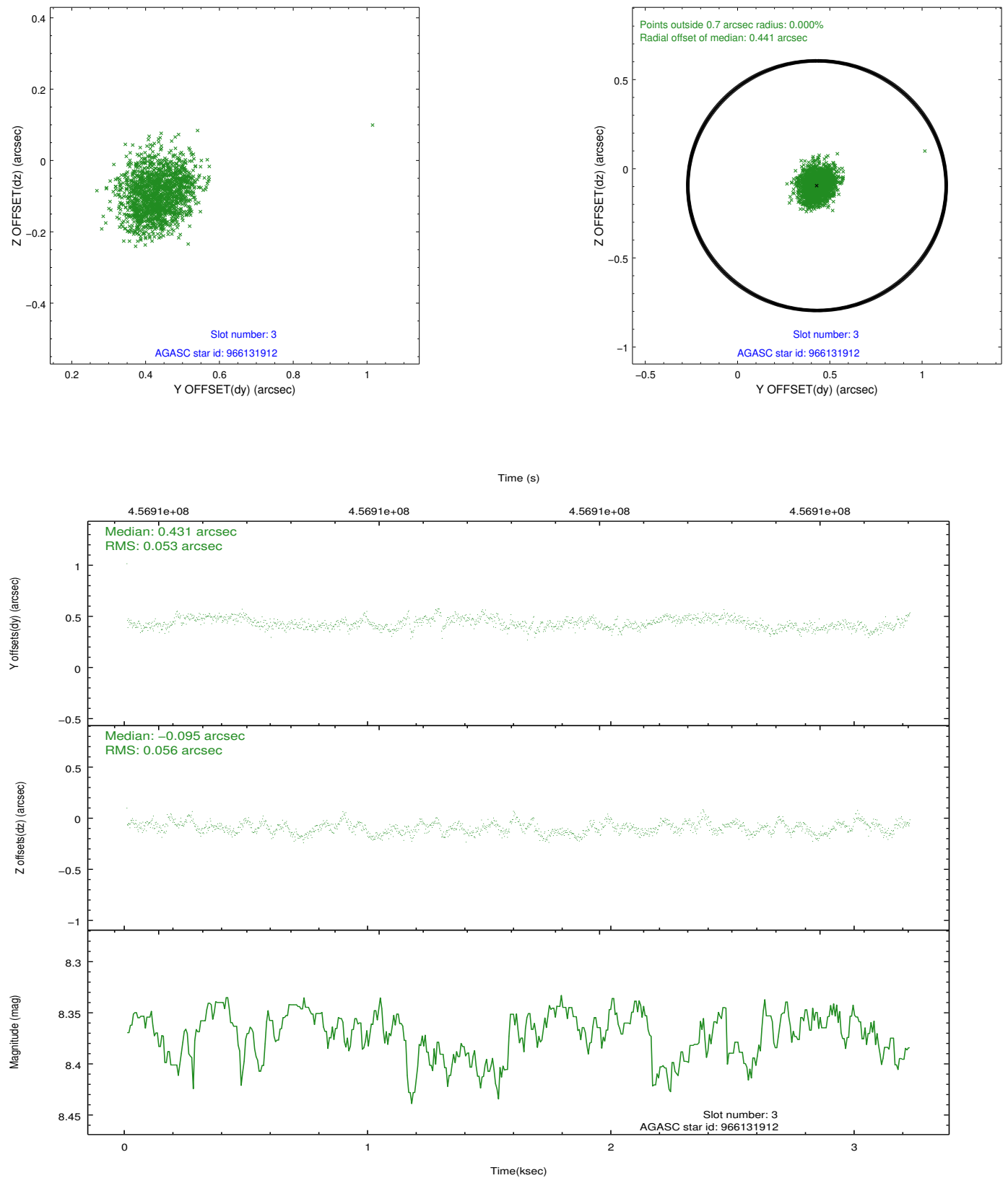


Slot Statistics

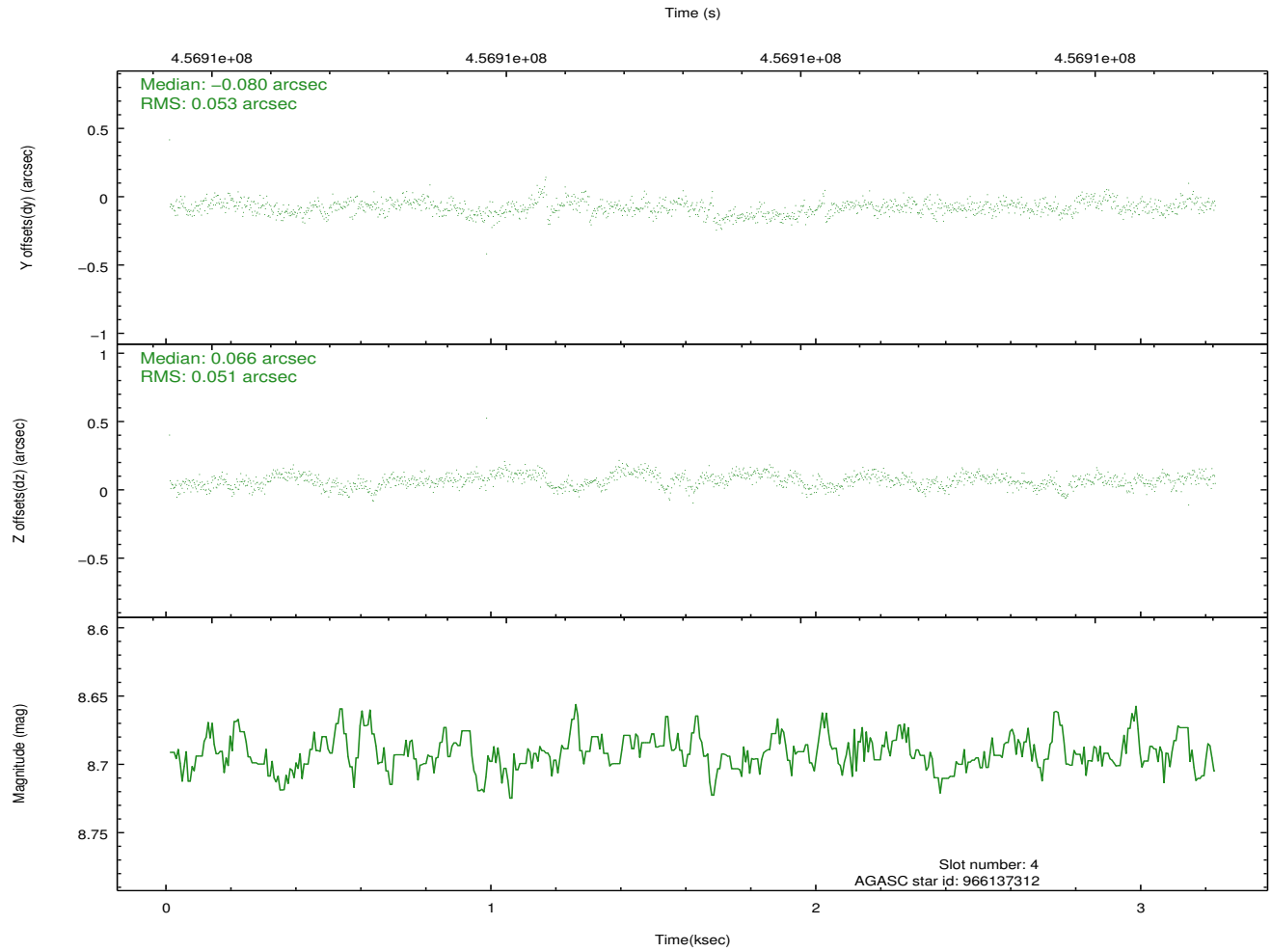
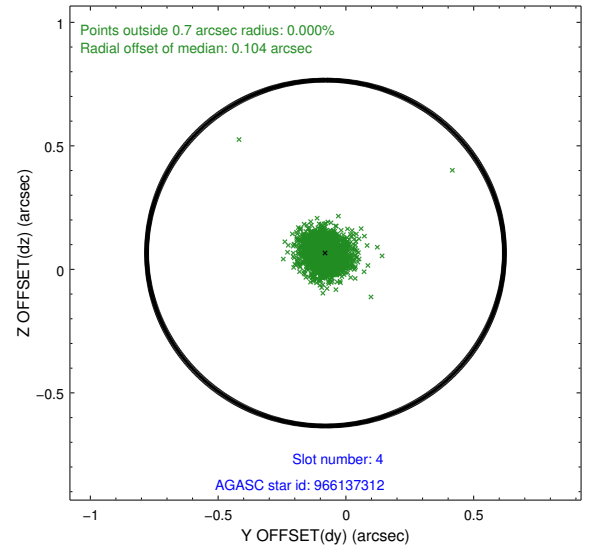
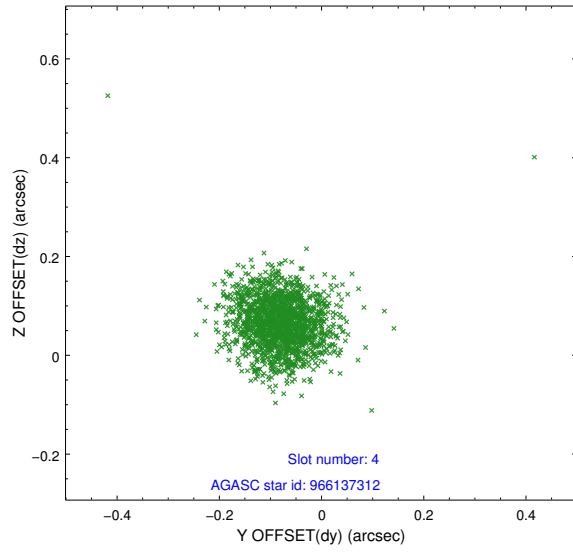
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.92	785	-0.084	-0.013	0.006	0.011	0.000000	0.000000	-770.01	-1738.32
1	FID	ACIS-S-4	7.02	785	0.192	0.044	0.006	0.011	0.000000	0.000000	2142.67	168.11
2	FID	ACIS-S-5	7.05	785	-0.139	-0.022	0.006	0.011	0.000000	0.000000	-1820.34	164.04
3	GUIDE	966131912	8.37	1571	0.431	-0.095	0.082	0.128	252.739496	-36.755302	-2124.12	-1639.41
4	GUIDE	966137312	8.69	1570	-0.080	0.066	0.077	0.121	254.068569	-37.262380	1809.96	-78.55
5	GUIDE	966138984	7.60	1571	0.006	0.184	0.059	0.097	253.662105	-36.225216	-1715.00	1617.50
6	GUIDE	1031275672	8.33	1571	-0.303	0.091	0.066	0.114	253.533343	-37.574759	1587.12	-1963.01
7	GUIDE	966265656	8.96	1570	-0.053	-0.245	0.084	0.133	254.387083	-36.839229	1331.80	1631.85

2.4 Star Slots

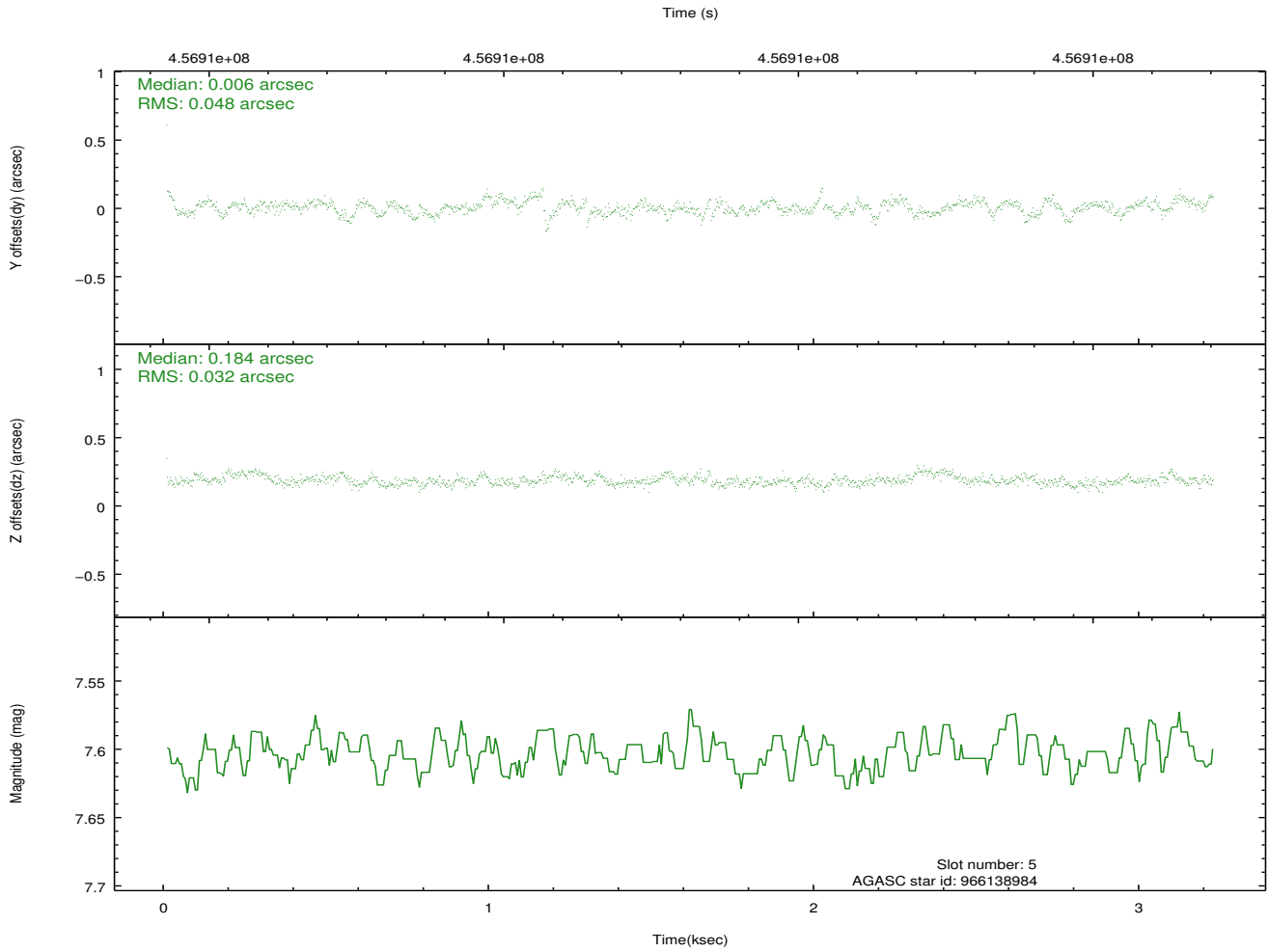
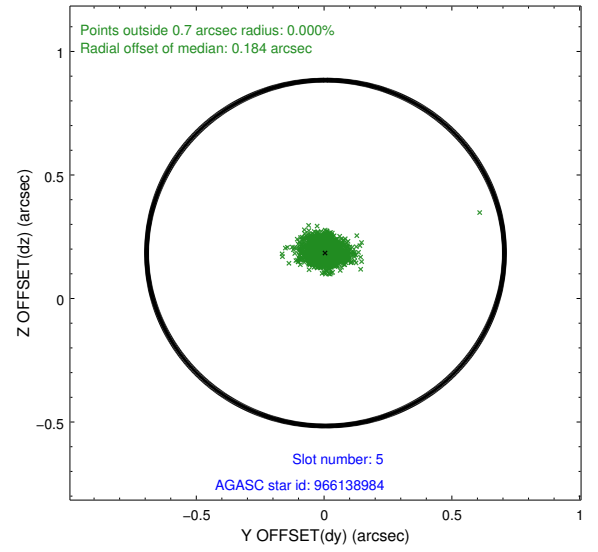
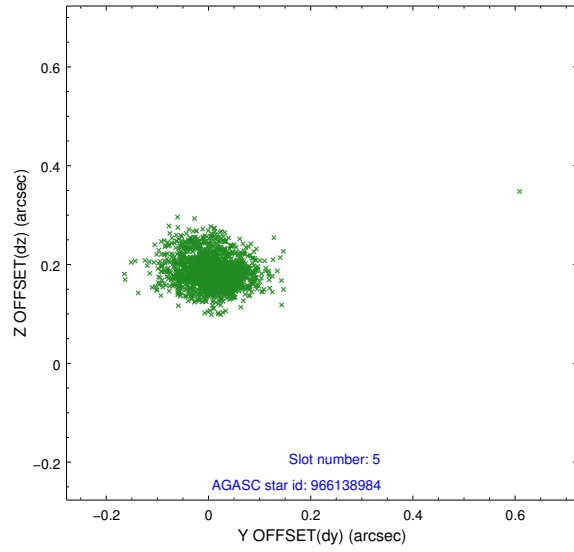
2.4.1 Slot 3



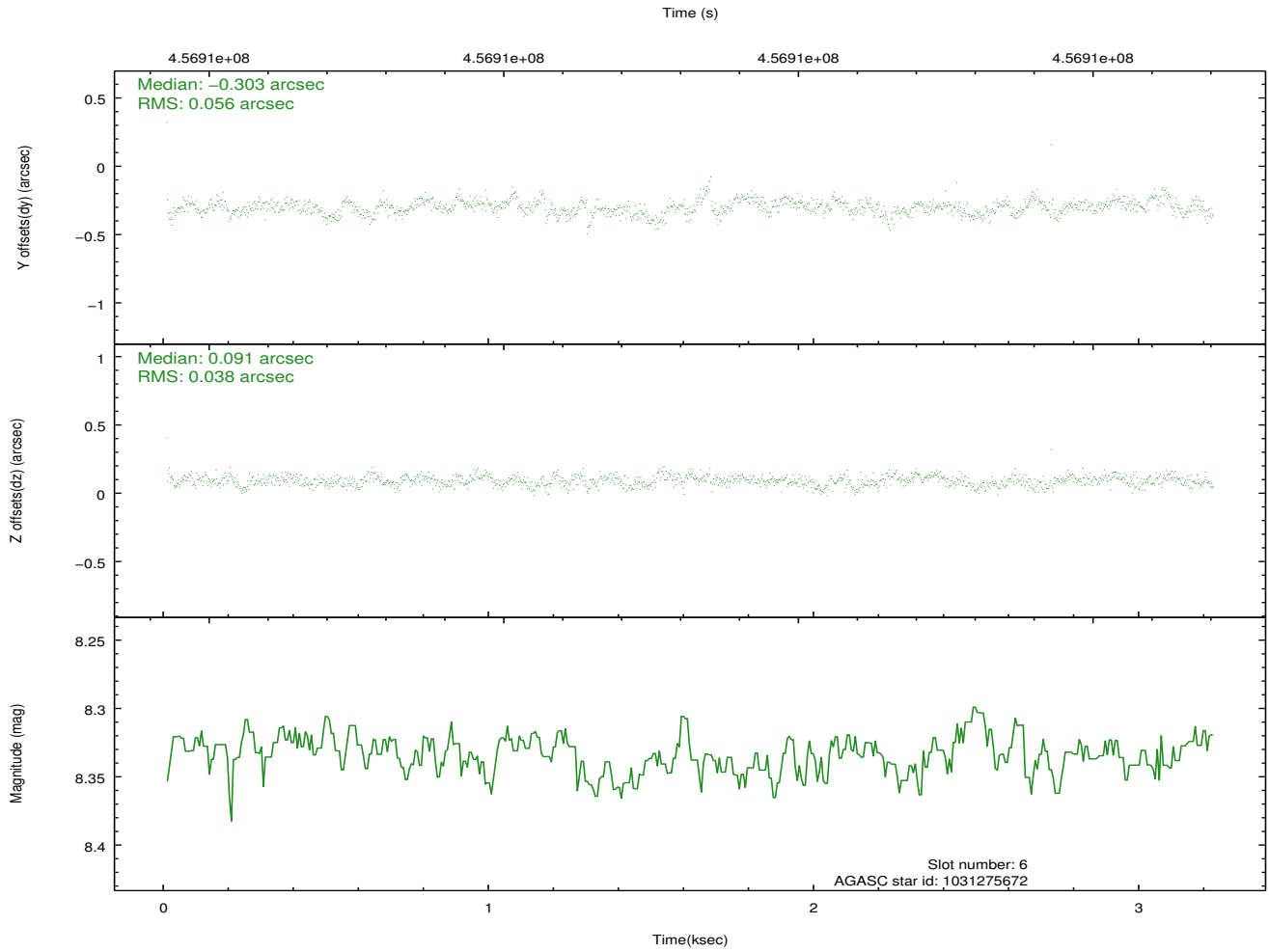
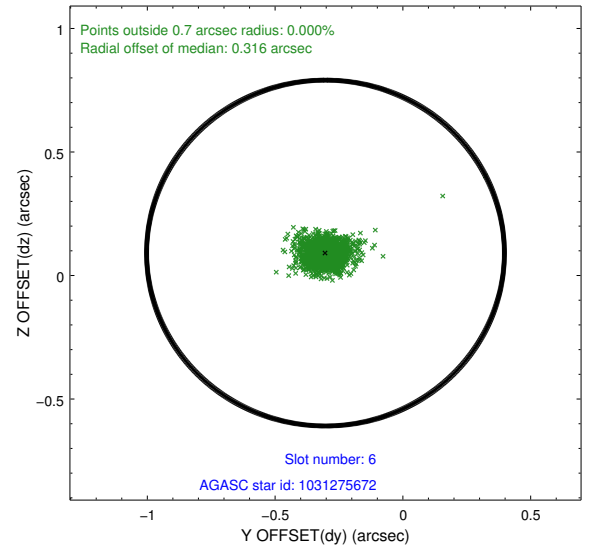
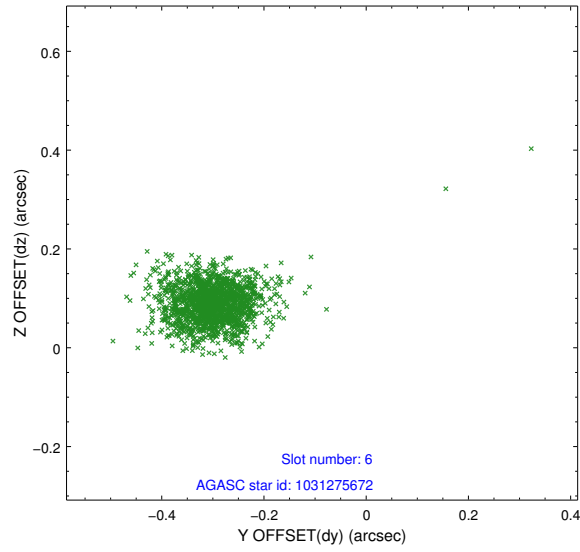
2.4.2 Slot 4



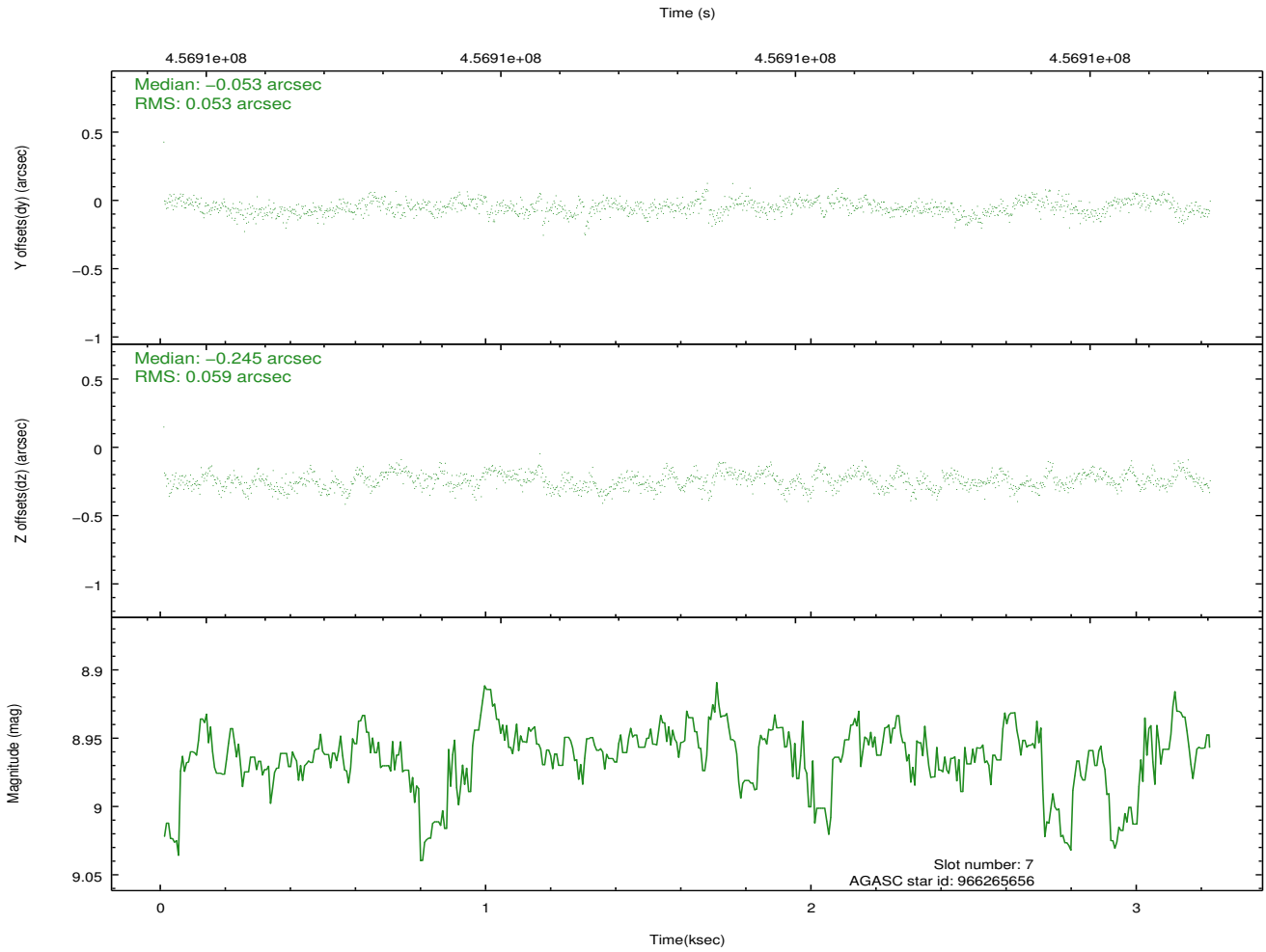
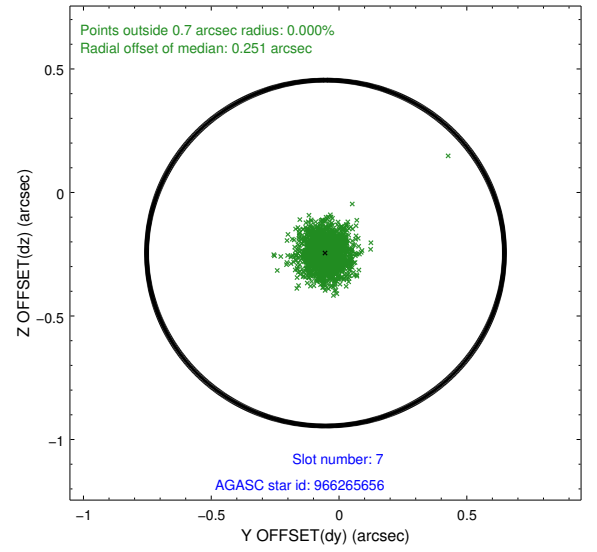
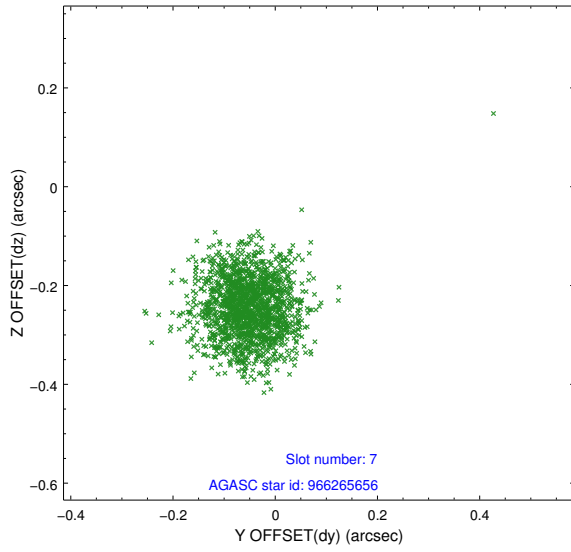
2.4.3 Slot 5



2.4.4 Slot 6

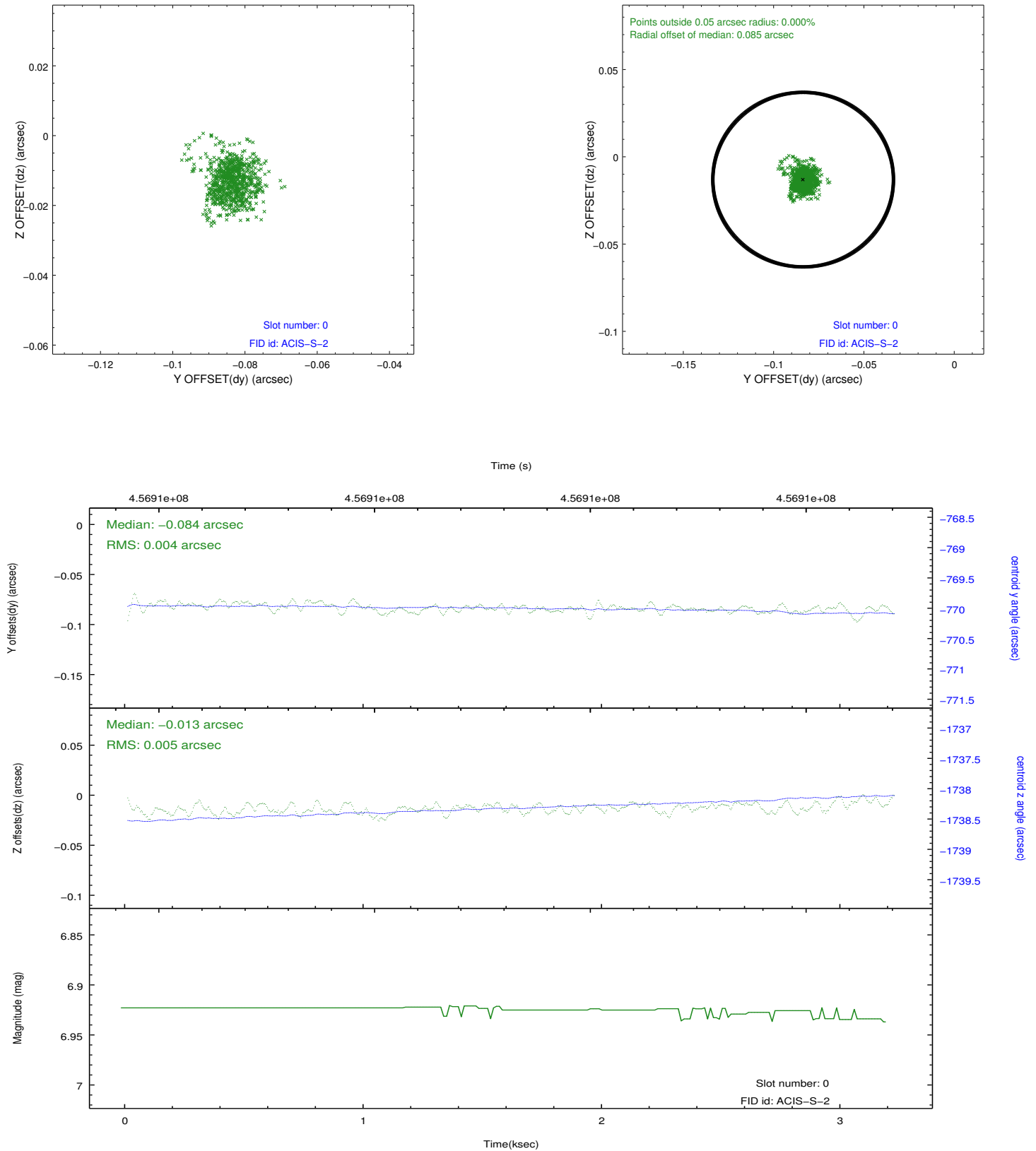


2.4.5 Slot 7

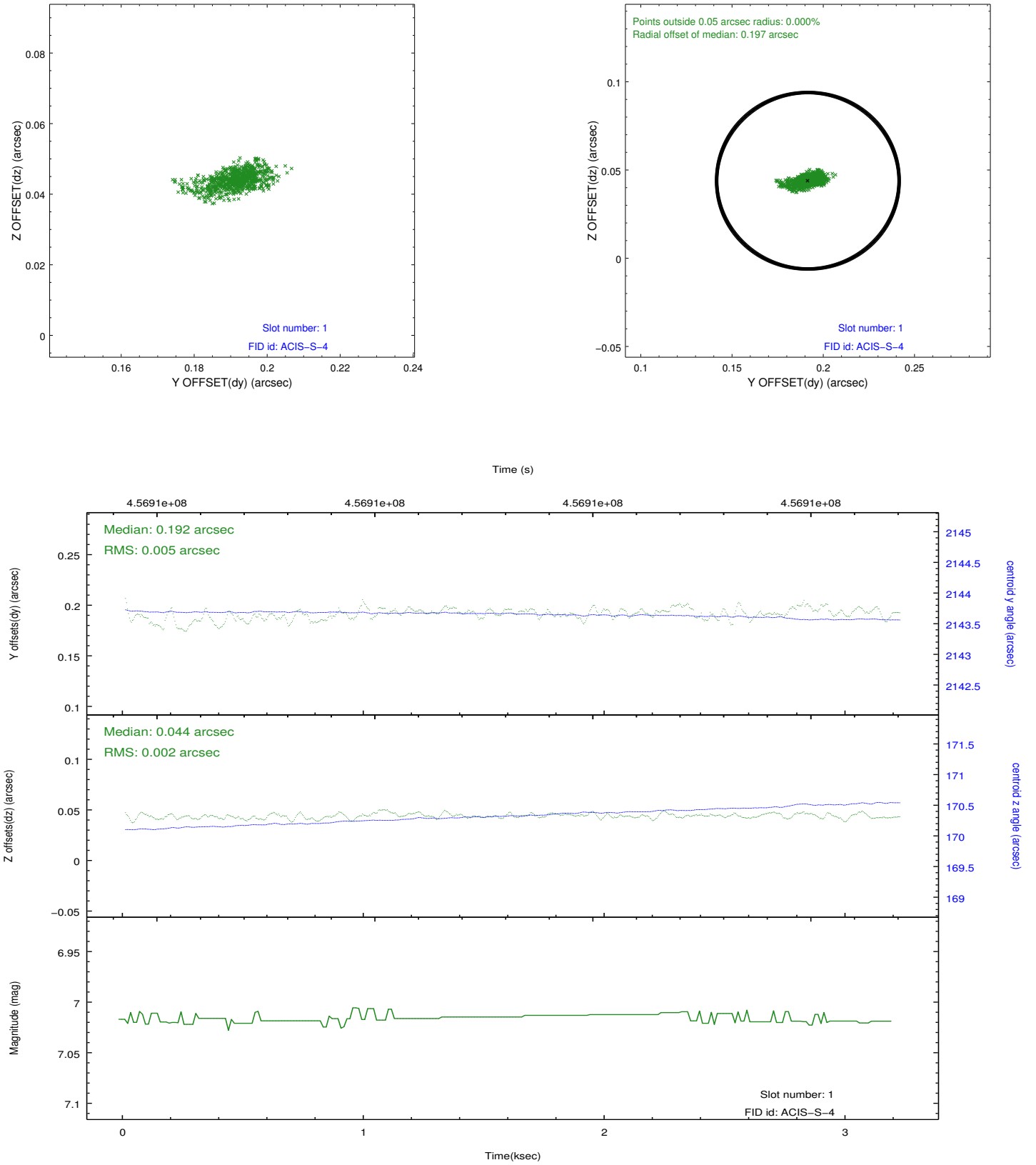


2.5 FID Slots

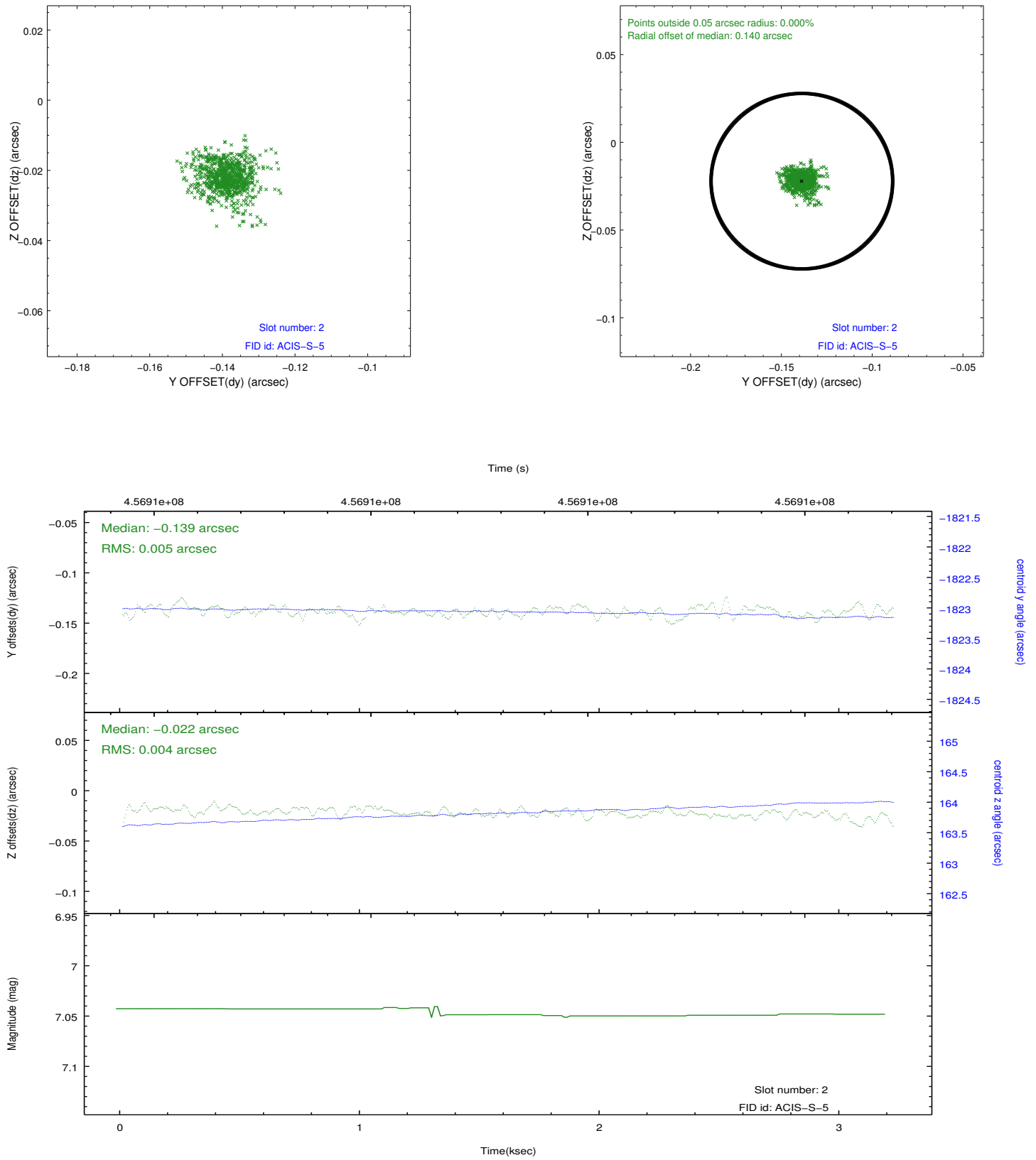
2.5.1 Slot 0



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)	2012.06.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.0683998171091

A.2 Comments