

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 9930 - L2 Version 2
Chandra X-Ray Center

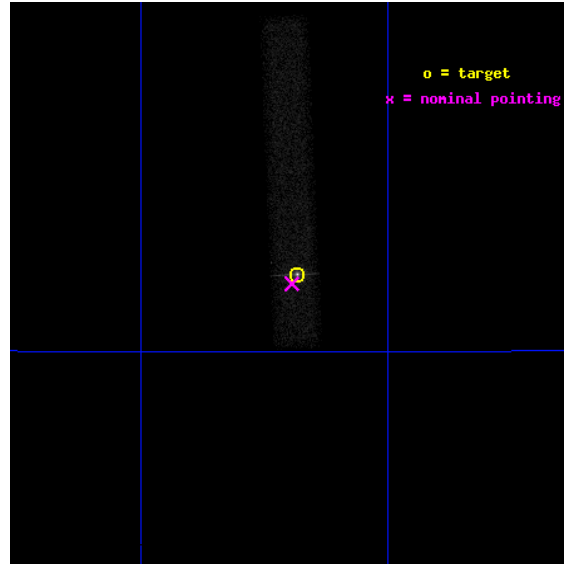
L2 Processing Date : Jun 19 2012

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1 Front

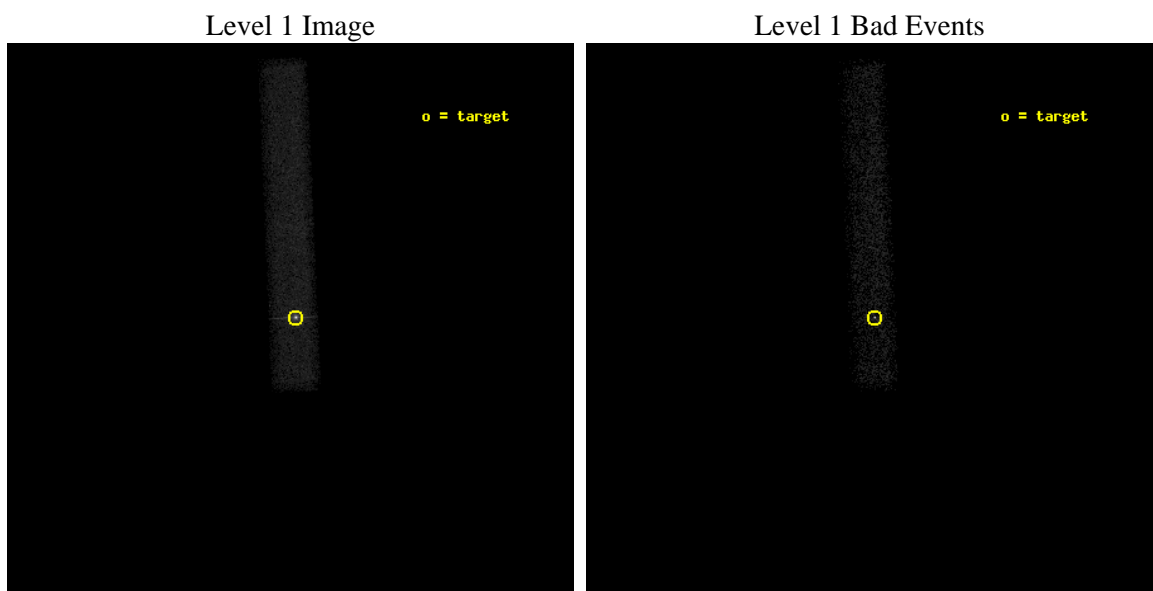
seq_num	200546	Sequence number
obs_id	9930	Observation id
title	Constraining the Effects of High Energy Photons on Proto-Planetary Disk Chemistry and Evolution	Proposal title
observer	Dr. Gregory Herczeg	Principal investigator
object	GM Aur	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	73.795833	Observer's specified target RA [deg]
dec_targ	30.3665	Observer's specified target Dec [deg]
ra_nom	73.798576374057	Nominal RA [deg]
dec_nom	30.362270374133	Nominal Dec [deg]
roll_nom	267.54177208775	Nominal Roll [deg]
revision	2	Processing version of data
ontime	15035.199103832	Sum of GTIs [s]
livetime	13636.131964296	Livetime [s]
ontime7	15035.199103832	Sum of GTIs [s]
l2events	32012	Number of level 2 events



2 OBI

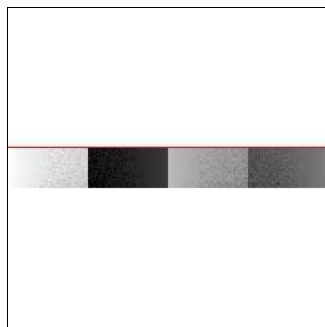
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	15035.199103832	Sum of GTIs [s]
caldbver	4.4.10	 	ontime7	15035.199103832	Sum of GTIs [s]
date	2012-06-19T22:13:54	Date and time of file creation	l1events	54521	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

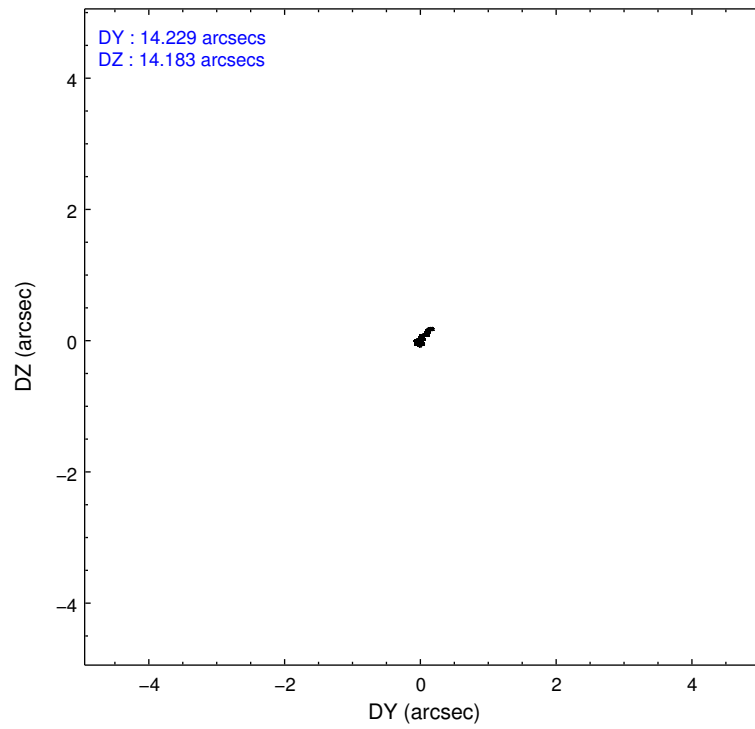
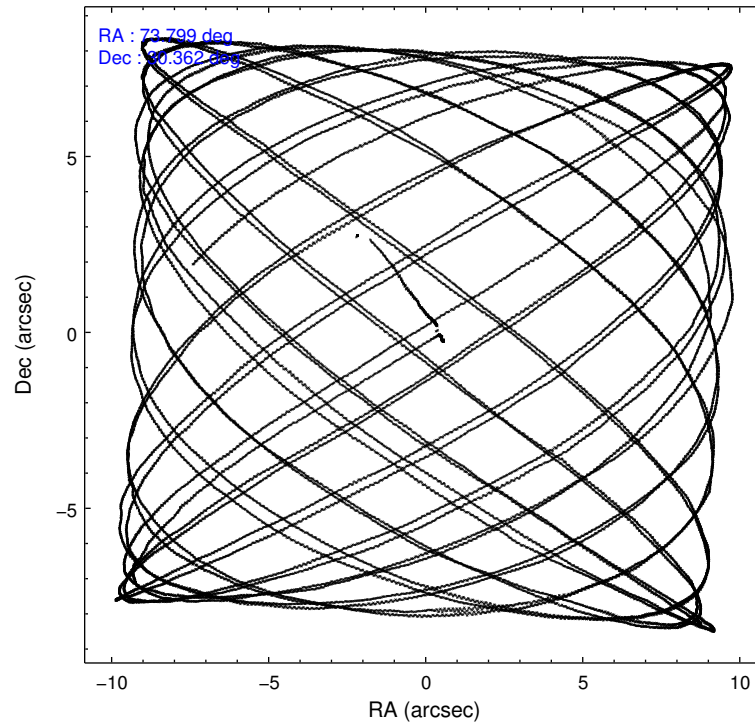
	ccd 7
level 1 events	54521
rejected events	22013
rejected %	40%

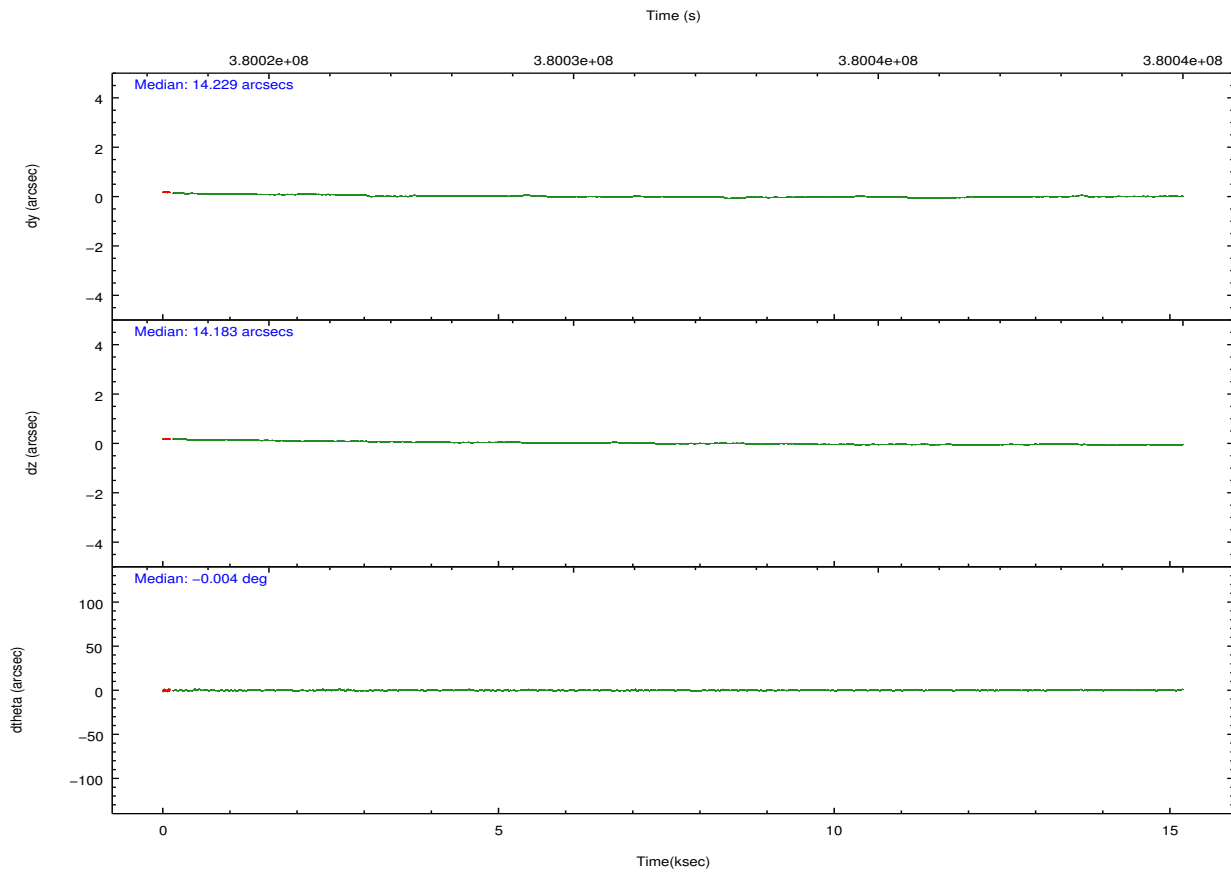
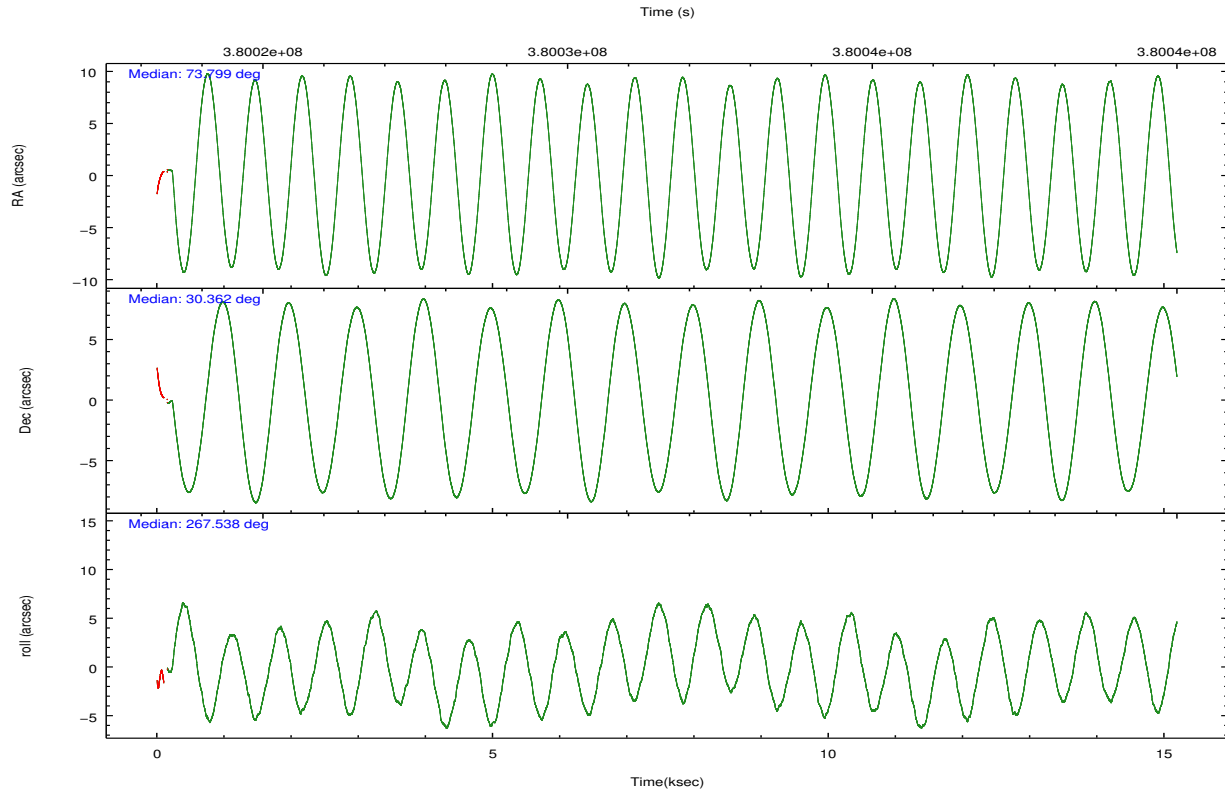
	ccd 7
grade 0 events	5457
	10%
grade 1 events	313
	0%
grade 2 events	7474
	13%
grade 3 events	3861
	7%
grade 4 events	3852
	7%
grade 5 events	4373
	8%
grade 6 events	13017
	23%
grade 7 events	16174
	29%

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	73.783540	73.79857637405711	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	30.386337	30.36227037413257	Subarray start row	449	449
[deg] Pointing Roll	267.392755	267.54177208775	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)	380024225.184000	380023025.32905			
Observation start date	2010-01-16T10:15:59	2010-01-16T09:57:05			
[s] Observation end time (MET)	380039225.184000	380040225.85492			
Observation end date	2010-01-16T14:25:59	2010-01-16T14:43:45			
Read mode	TIMED	TIMED			

2.3 Aspect



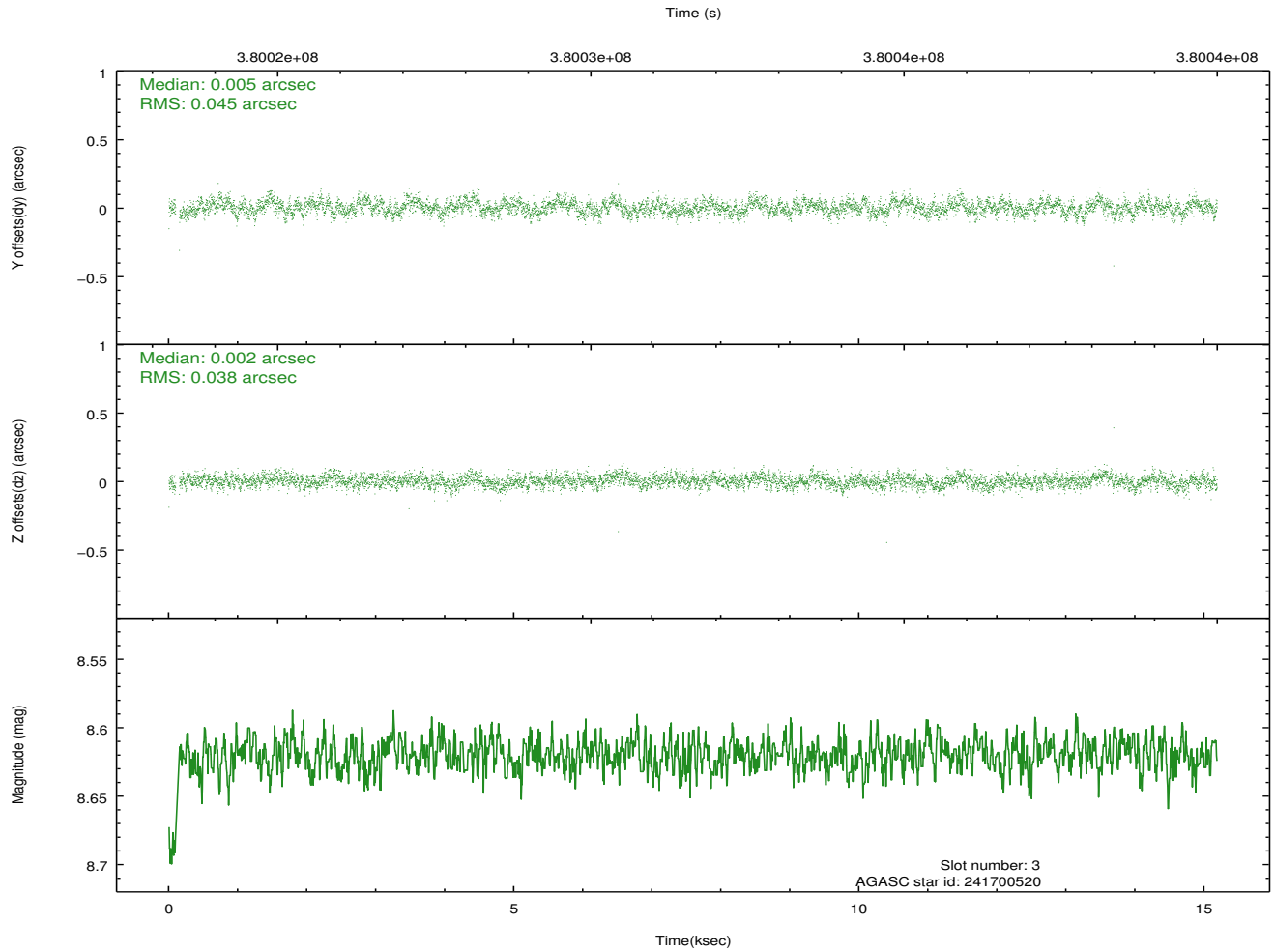
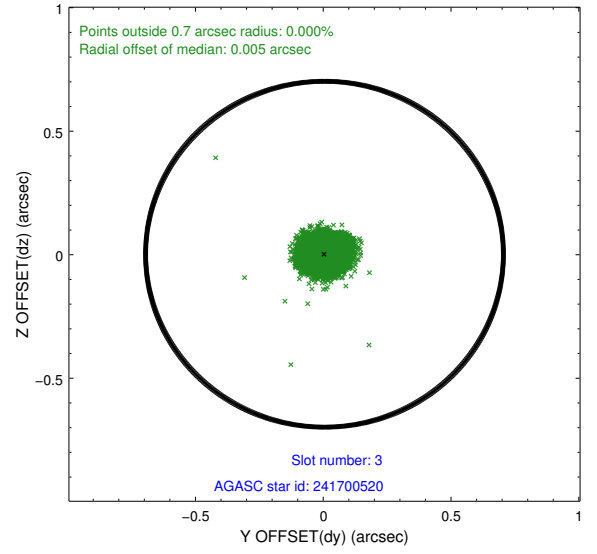
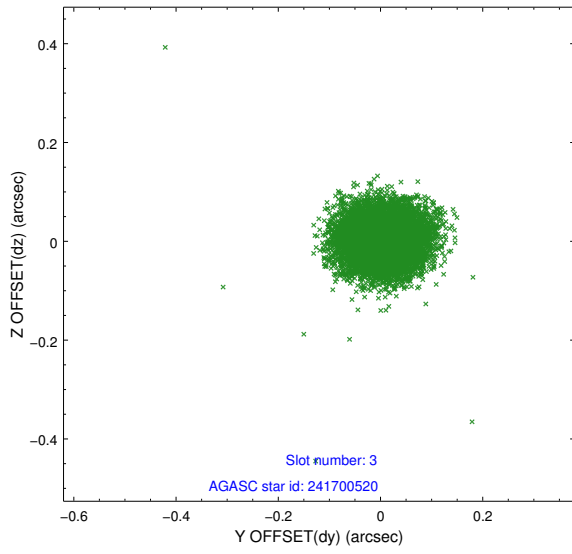


Slot Statistics

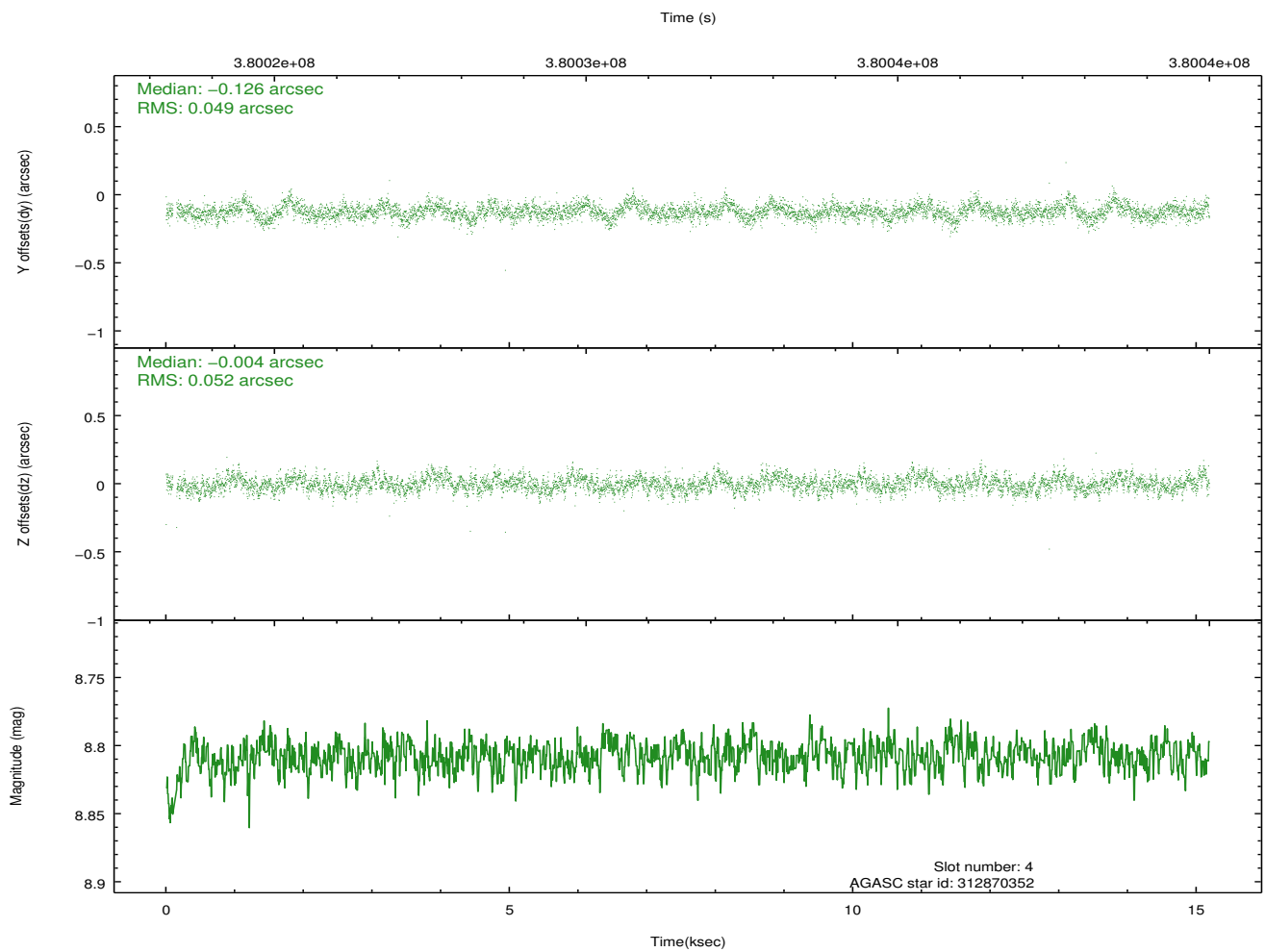
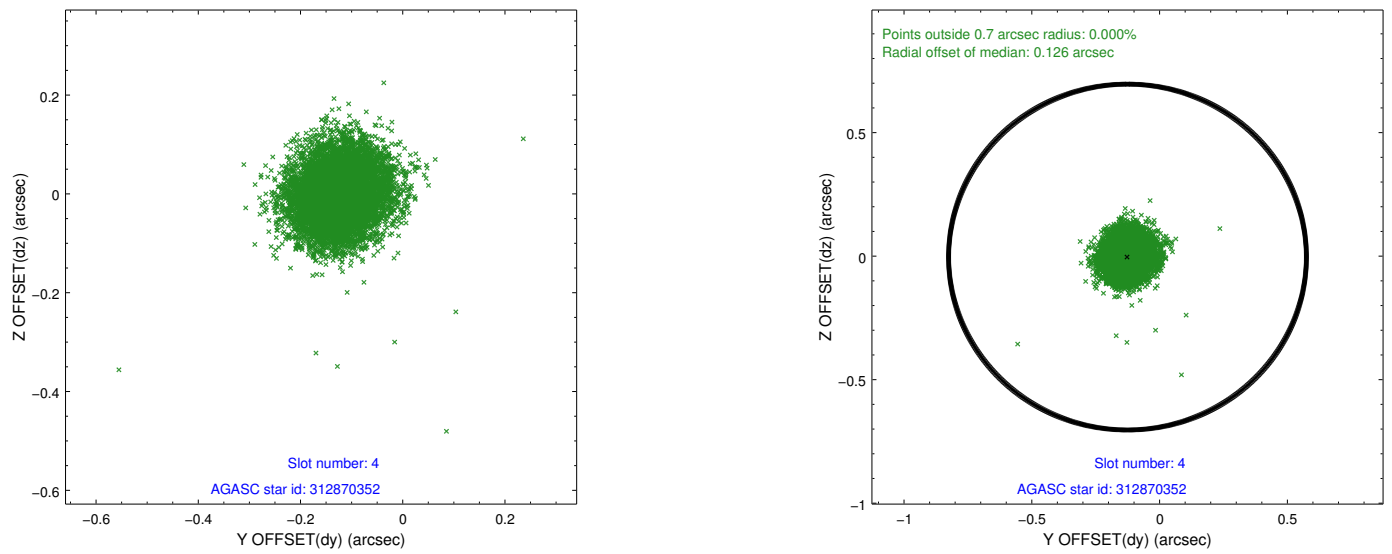
	status	id	mag	n_pts	med_dy	med_dz	dr1
	FID	ACIS-S-2	6.95	3693	-0.072	-0.052	0.008
	FID	ACIS-S-4	7.04	3693	0.211	0.049	0.007
	FID	ACIS-S-5	7.06	3693	-0.170	0.012	0.007
	GUIDE	241700520	8.62	7381	0.005	0.002	0.062
	GUIDE	312870352	8.81	7384	-0.126	-0.004	0.075
	GUIDE	312872256	8.02	7381	0.149	0.029	0.058
	GUIDE	313012784	8.25	7382	-0.028	-0.031	0.075
0.000	0.000	0.000	0.000000	0.000000	0.00	0.00	

2.4 Star Slots

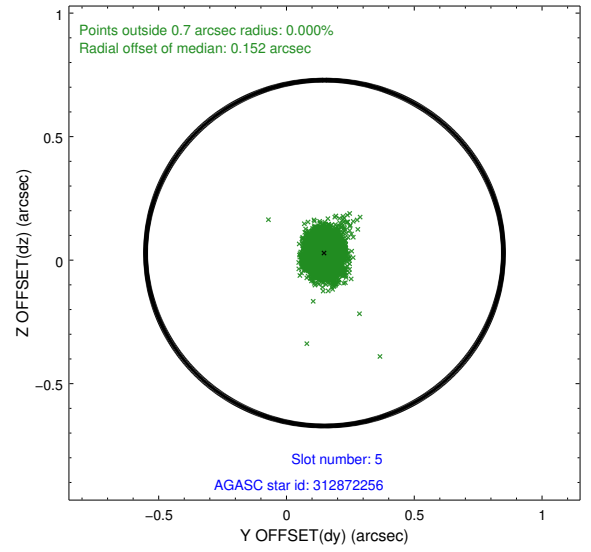
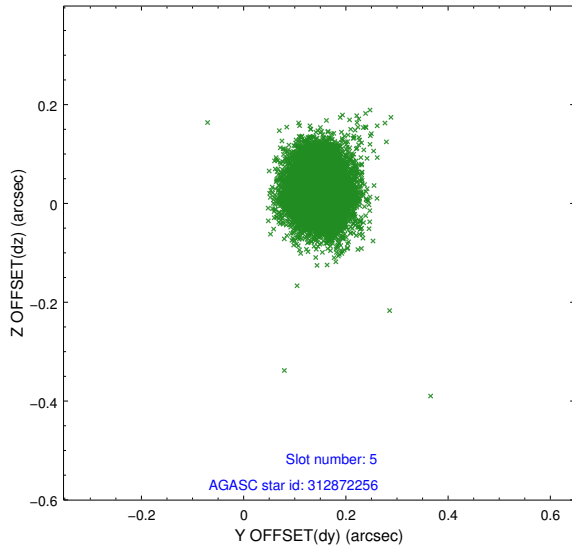
2.4.1 Slot 3



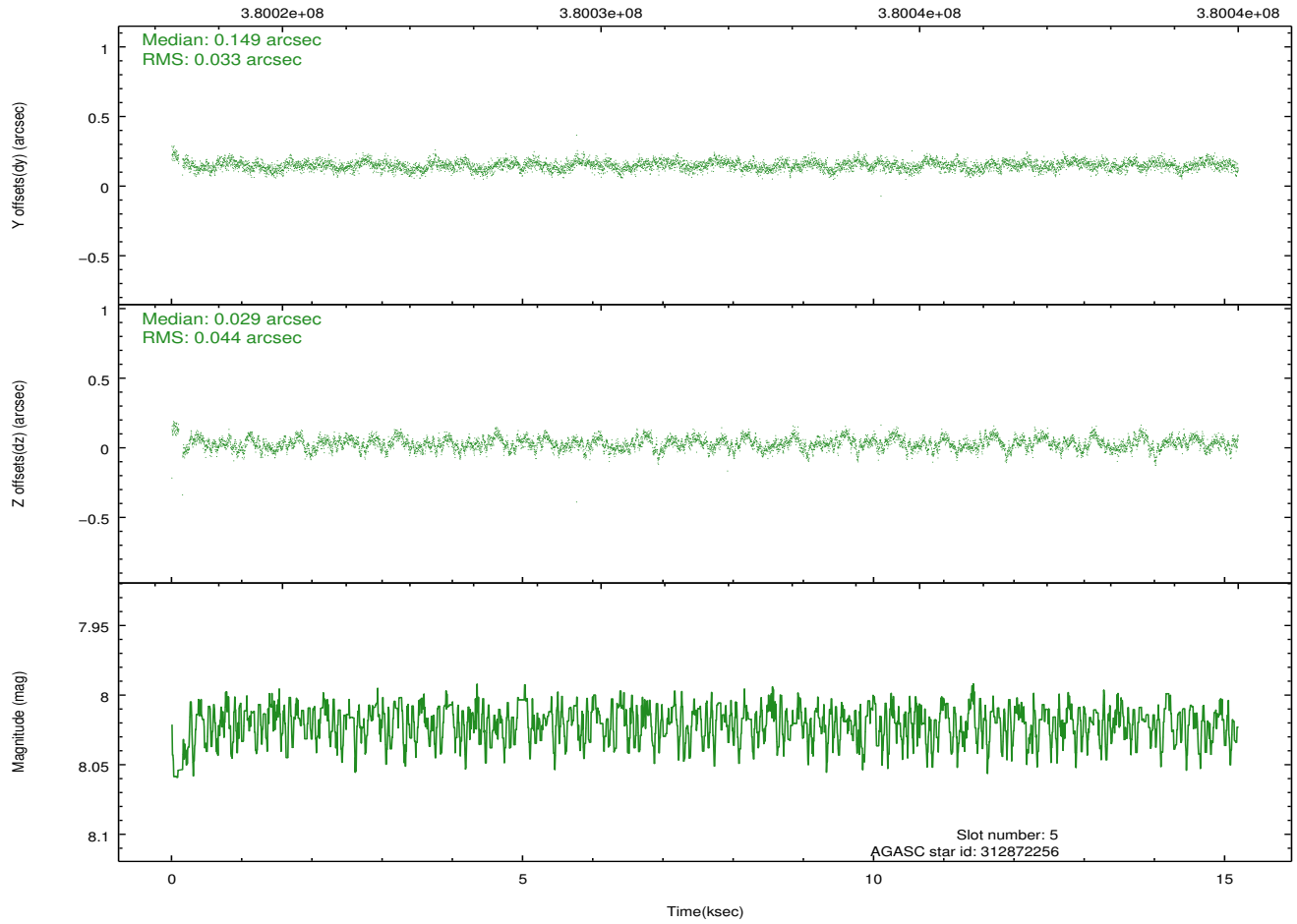
2.4.2 Slot 4



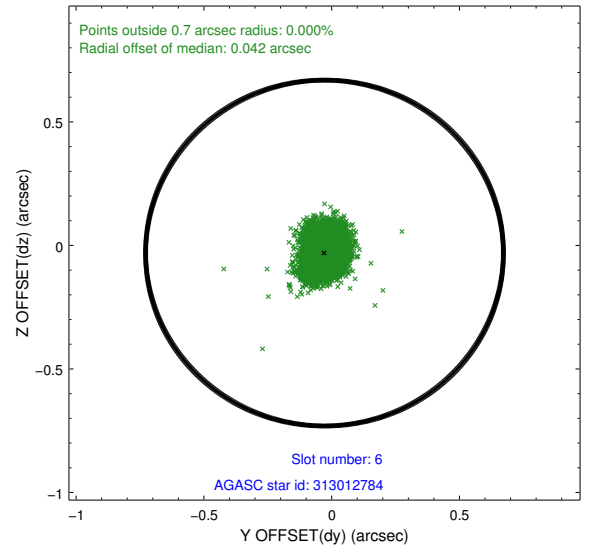
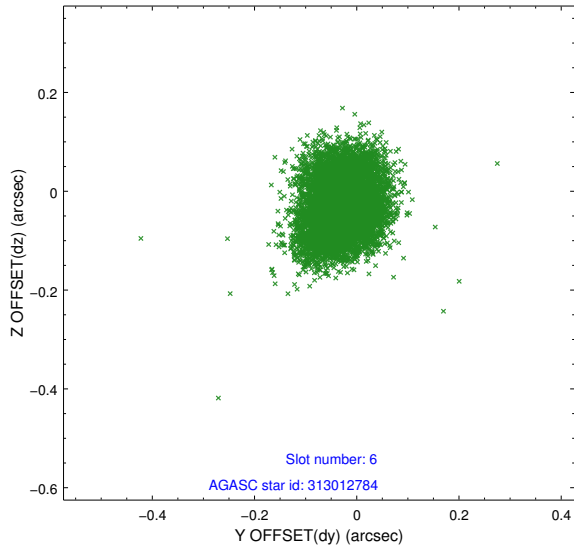
2.4.3 Slot 5



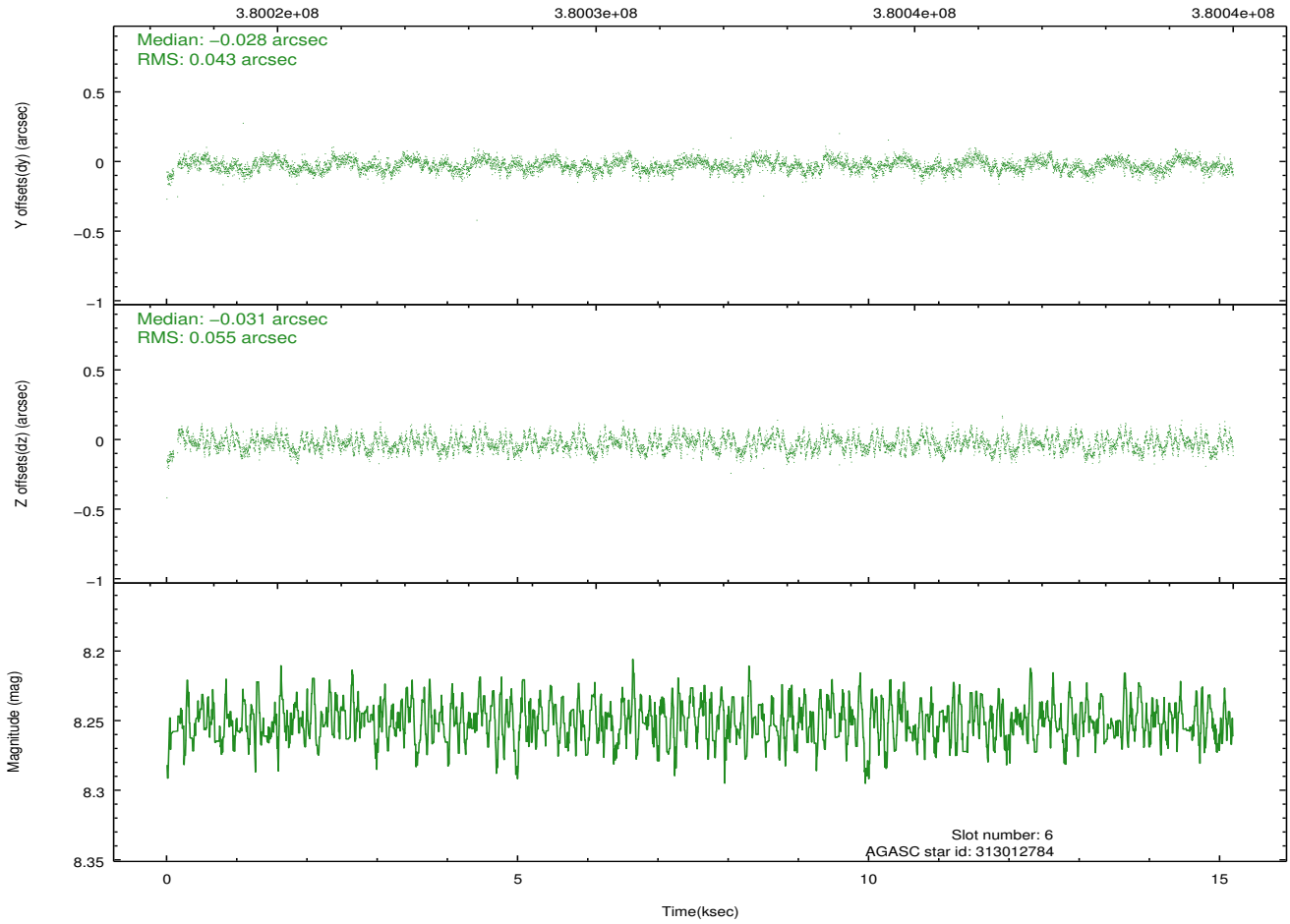
Time (s)



2.4.4 Slot 6

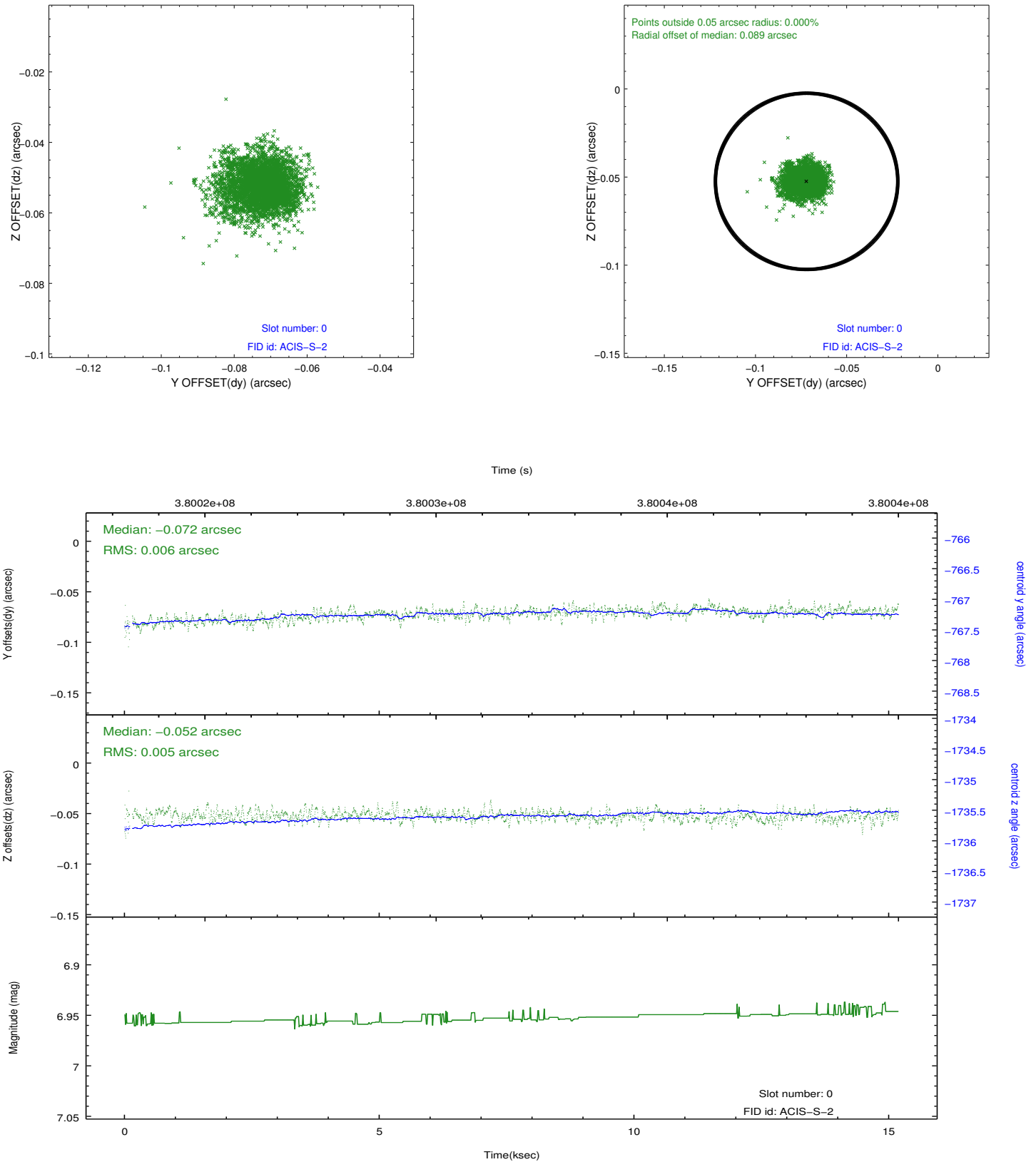


Time (s)

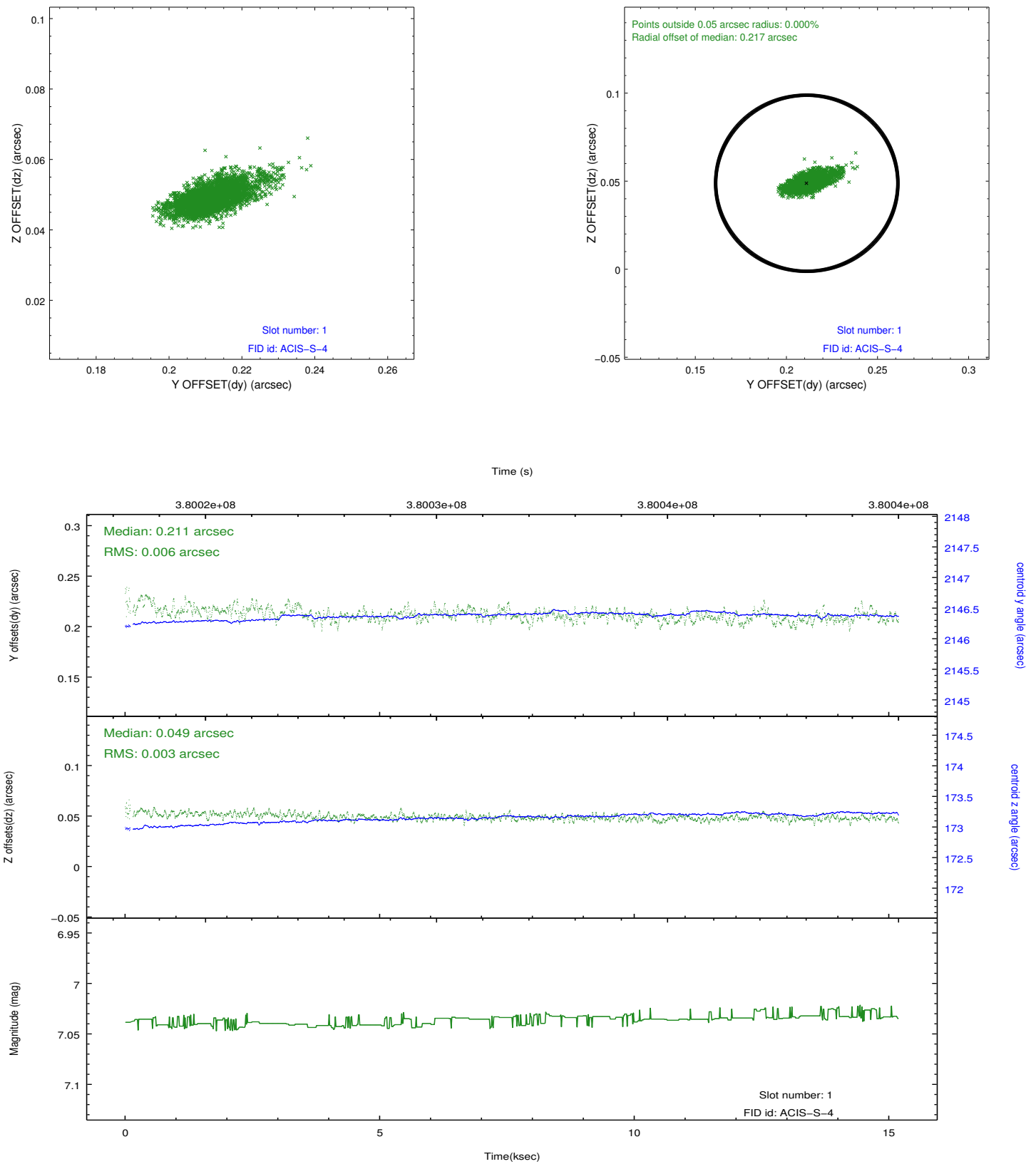


2.5 FID Slots

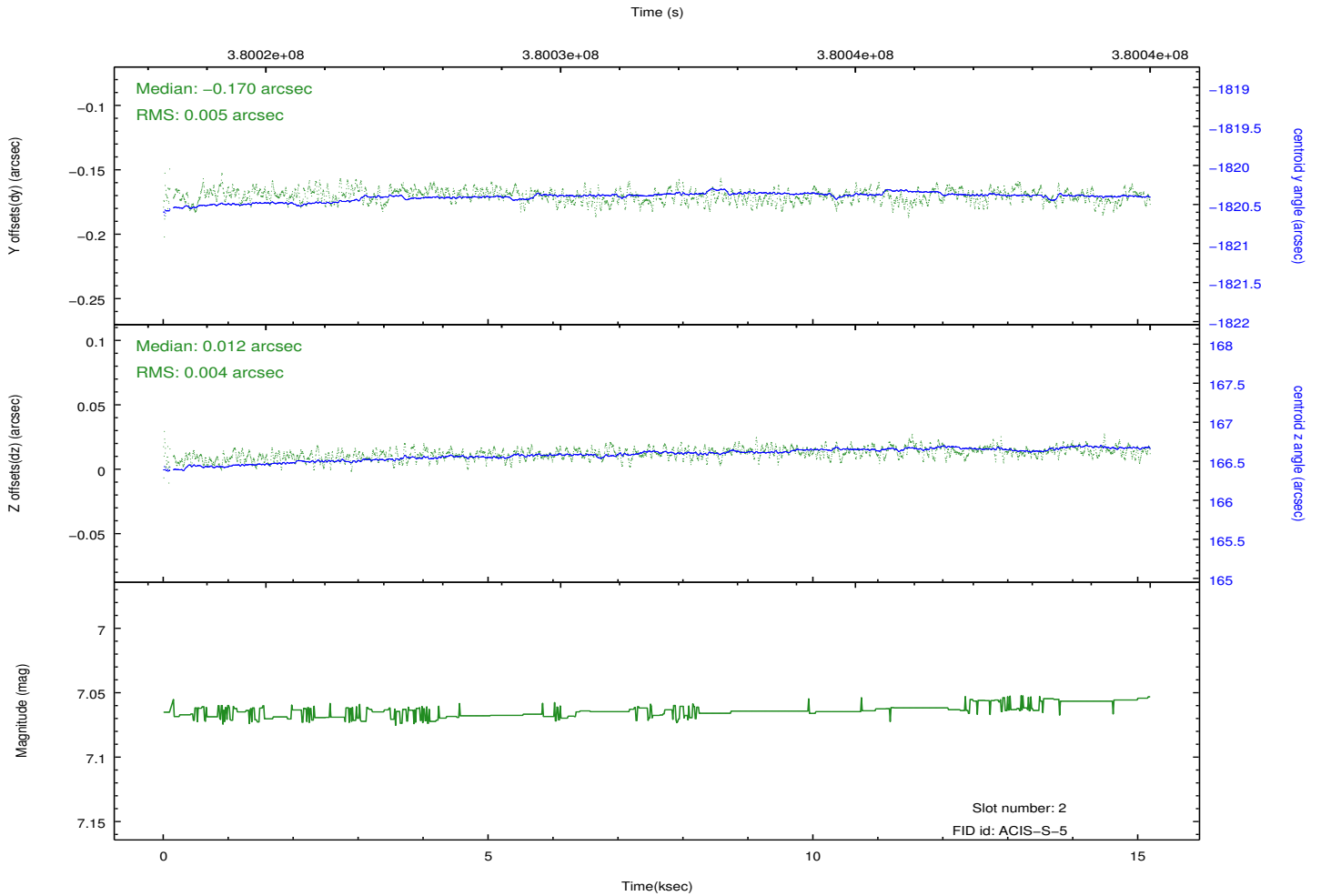
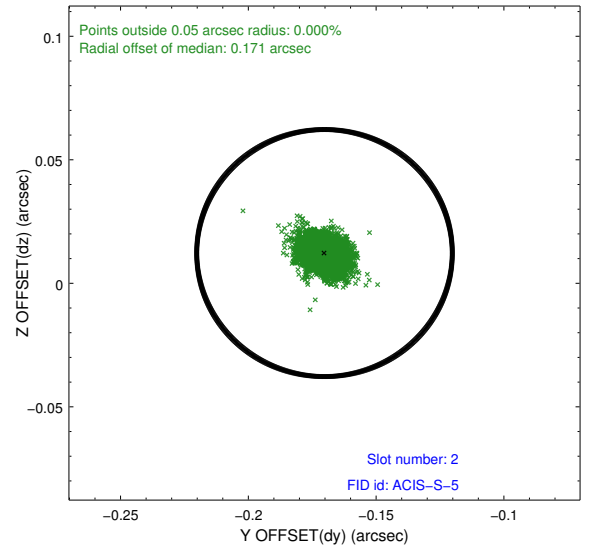
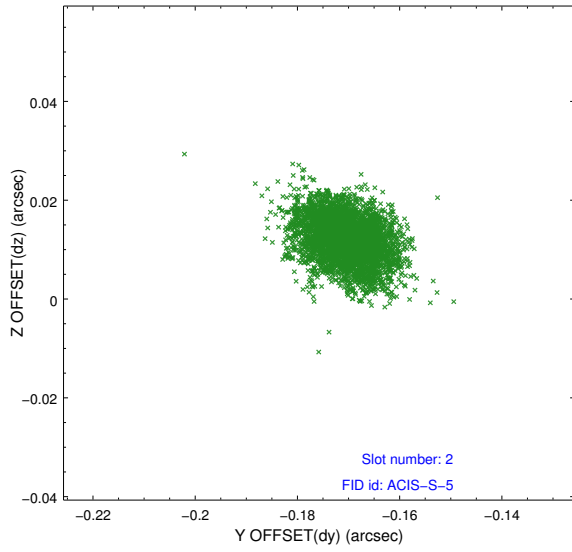
2.5.1 Slot 0



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)	2012.06.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.035199103832

A.2 Comments

Joint Proposal: NOAO.