

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8987 - L2 Version 2
Chandra X-Ray Center

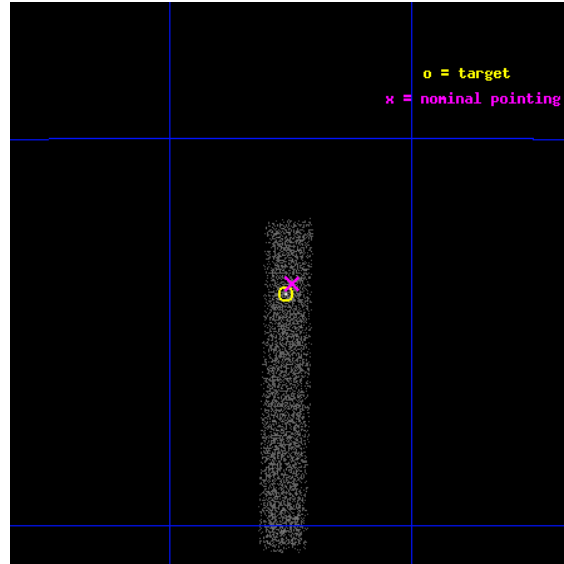
L2 Processing Date : May 10 2012

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1 Front

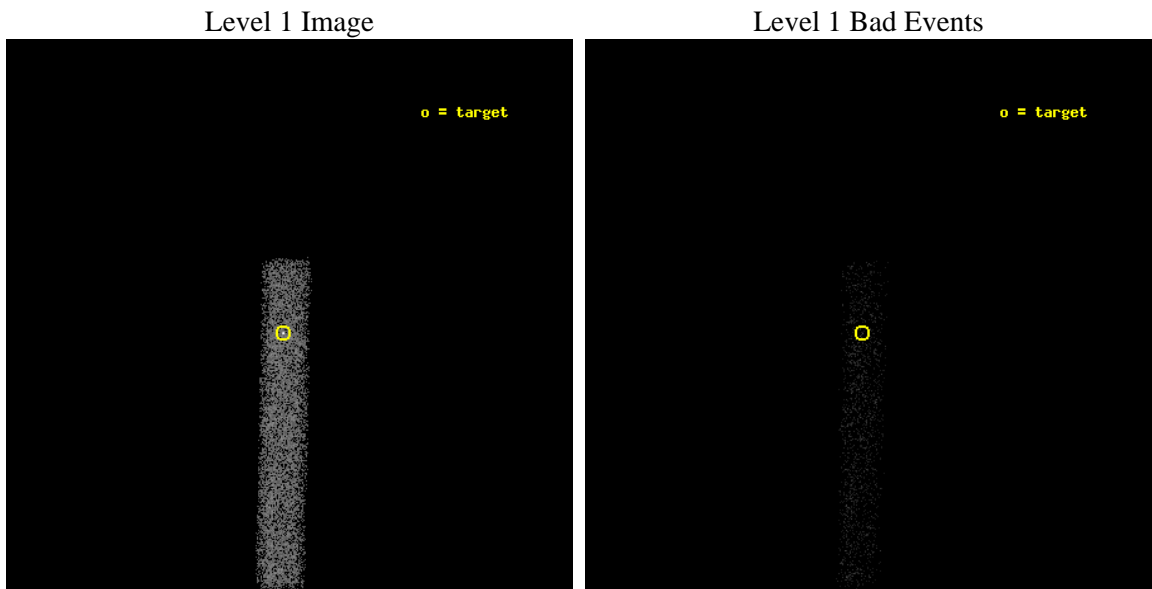
seq_num	400838	Sequence number
obs_id	8987	Observation id
title	Following a black hole candidate X-ray transient to quiescence	Pro
observer	dr Peter Jonker	Principal investigator
object	H 1743-322	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.565	Observer's specified target RA [deg]
dec_targ	-32.2333	Observer's specified target Dec [deg]
ra_nom	266.56187292395	Nominal RA [deg]
dec_nom	-32.229181686287	Nominal Dec [deg]
roll_nom	91.168111730094	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7145.1995741129	Sum of GTIs [s]
livetime	6480.3188591628	Livetime [s]
ontime7	7145.1995741129	Sum of GTIs [s]
l2events	6322	Number of level 2 events



2 OBI

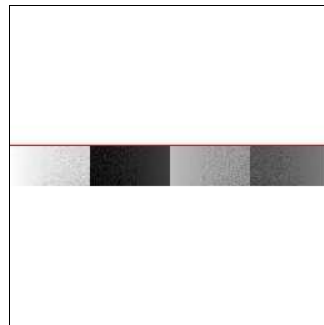
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	7000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	7145.1995741129	Sum of GTIs [s]
caldbver	4.4.9	 	ontime7	7145.1995741129	Sum of GTIs [s]
date	2012-05-10T21:33:50	Date and time of file creation	l1events	14974	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

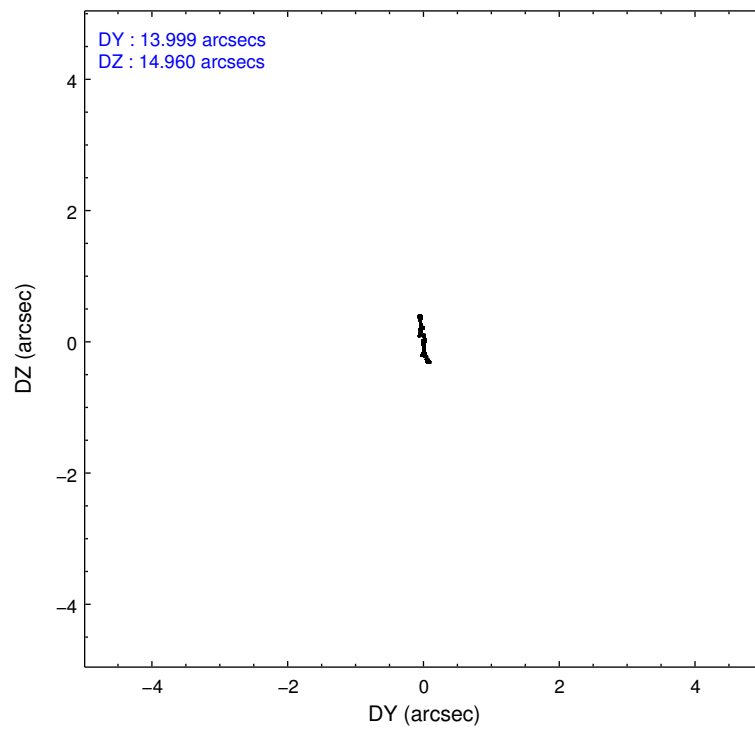
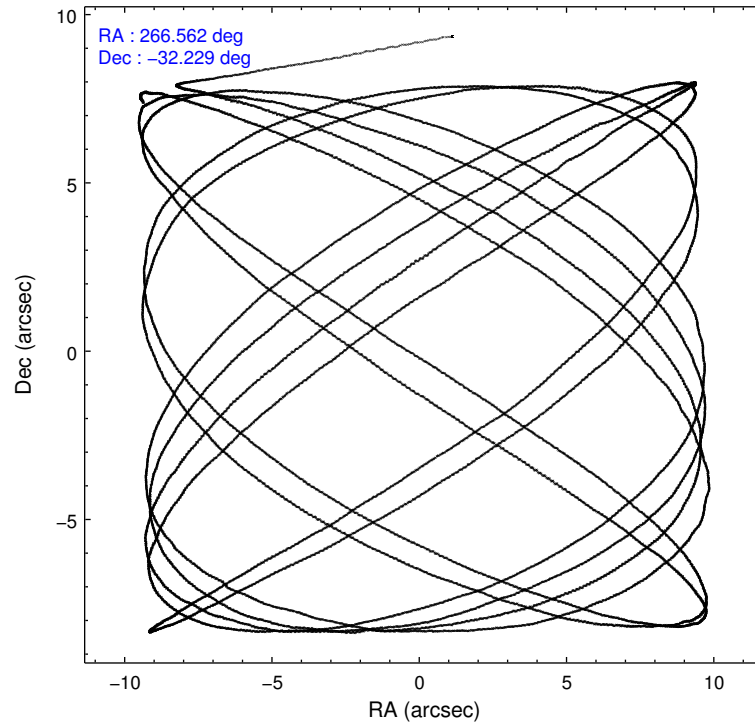
	ccd 7
level 1 events	14974
rejected events	8397
rejected %	56%

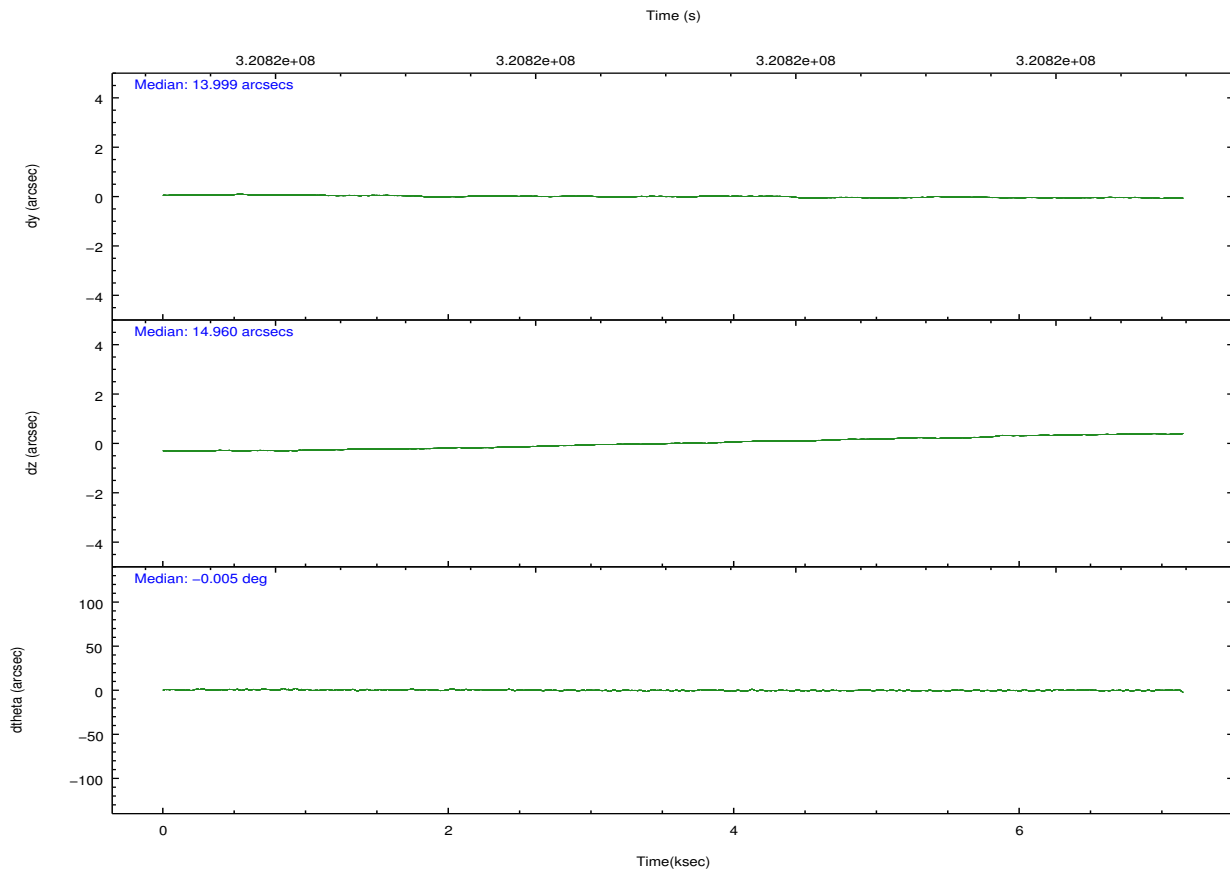
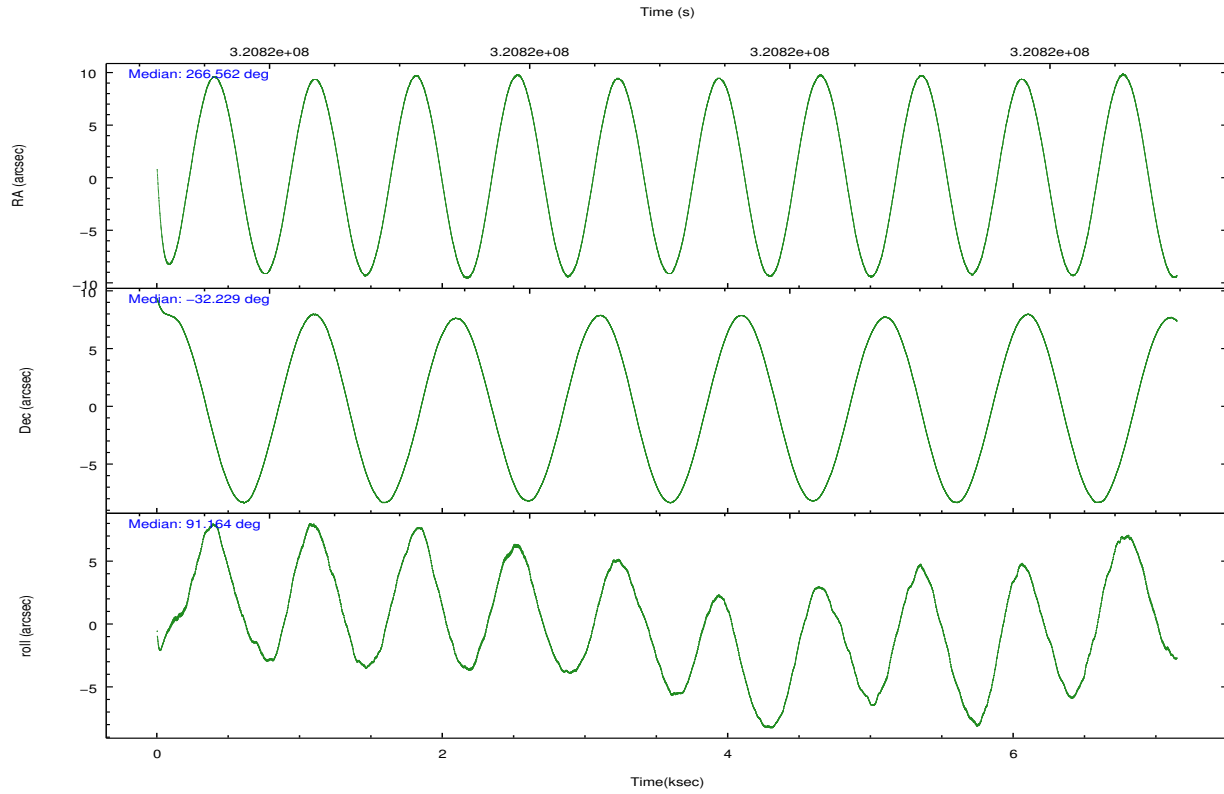
	ccd 7
grade 0 events	841
	5%
grade 1 events	20
	0%
grade 2 events	1447
	9%
grade 3 events	960
	6%
grade 4 events	898
	5%
grade 5 events	1322
	8%
grade 6 events	3168
	21%
grade 7 events	6318
	42%

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	266.579006	266.56187292395	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-32.252425	-32.2291816862873	Subarray start row	449	449
[deg] Pointing Roll	91.020648	91.1681117300935	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)	320815636.184000	320814527.99656			
Observation start date	2008-03-02T03:26:11	2008-03-02T03:08:47			
[s] Observation end time (MET)	320822636.184000	320823562.347			
Observation end date	2008-03-02T05:22:51	2008-03-02T05:39:22			
Read mode	TIMED	TIMED			

2.3 Aspect



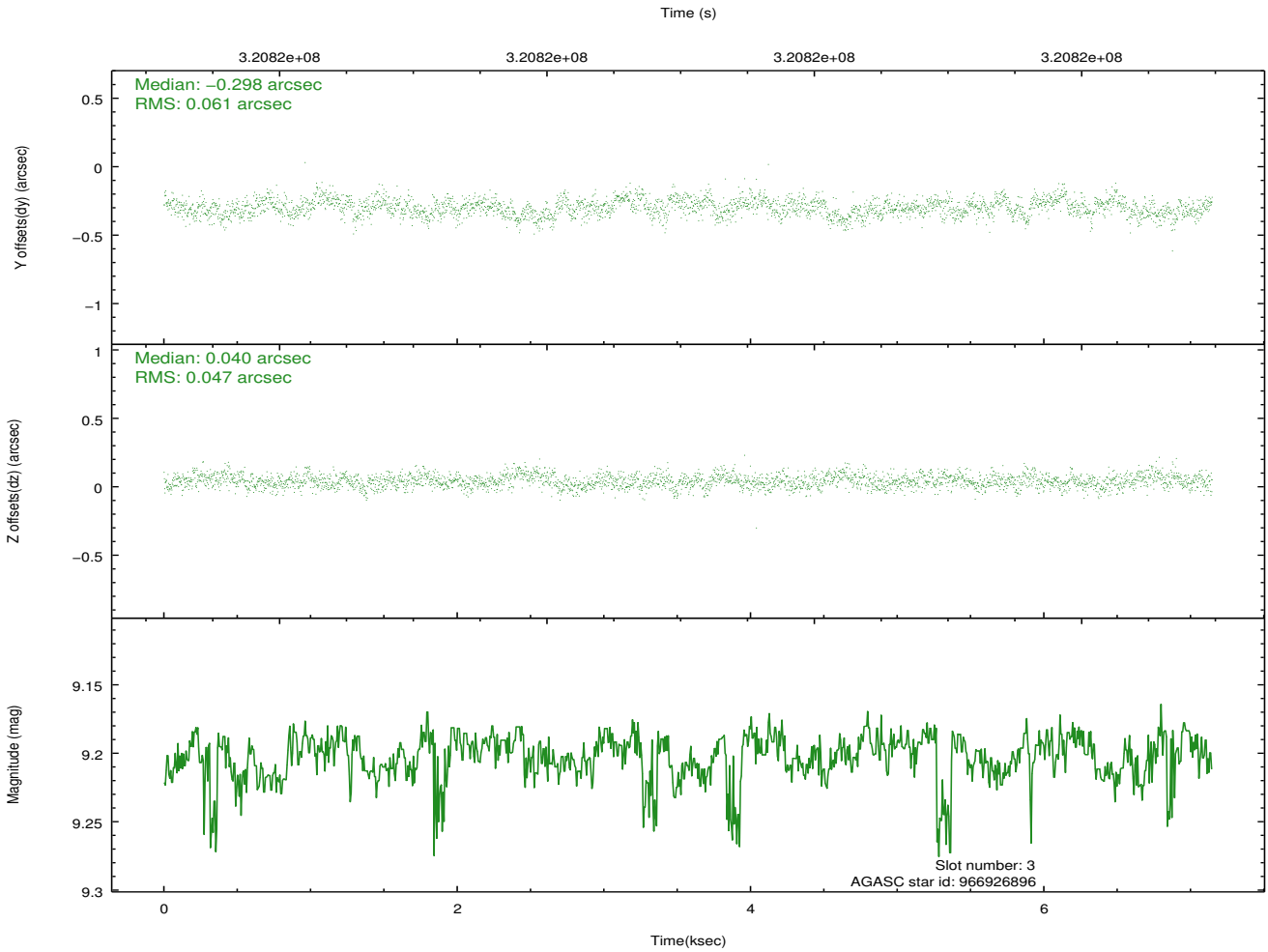
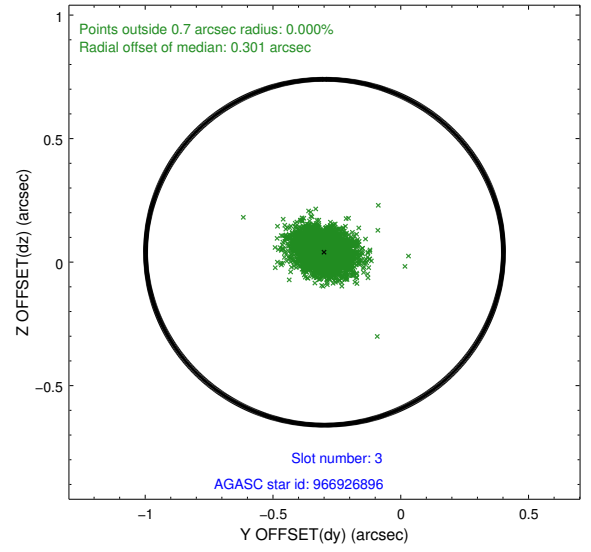
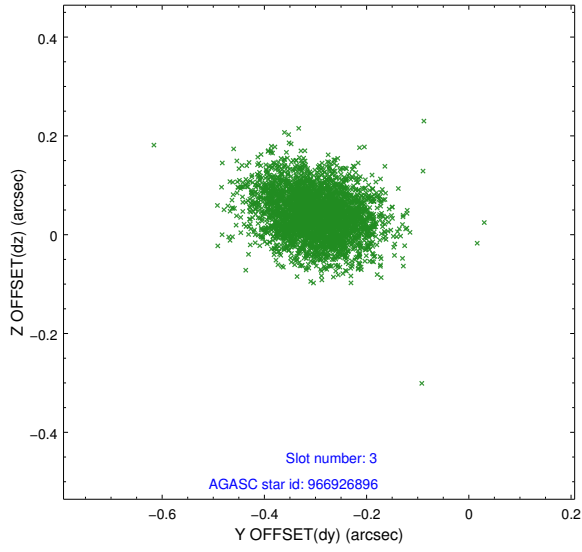


Slot Statistics

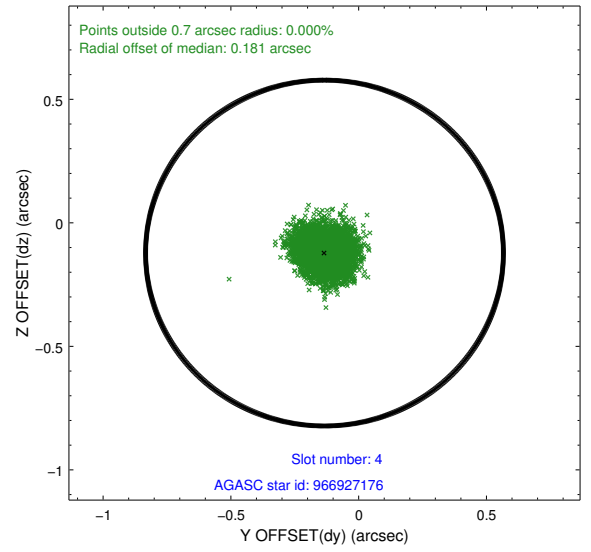
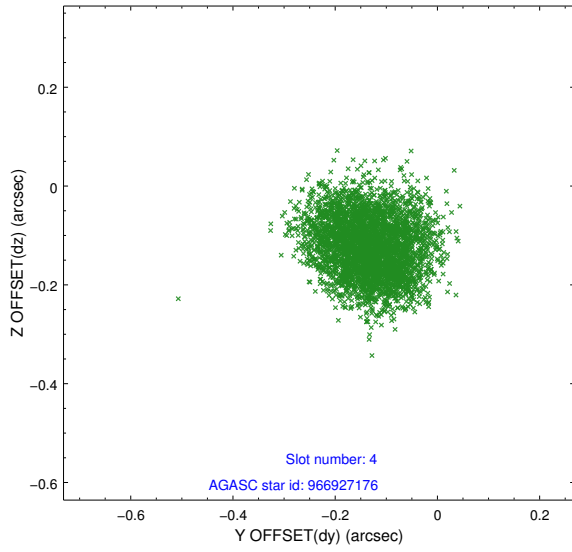
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-4	7.19	1743	0.156	-0.001	0.007	0.011	0.000000	0.000000	2146.56	172.34
1	FID	ACIS-S-5	7.22	1743	-0.202	-0.007	0.006	0.011	0.000000	0.000000	-1818.96	165.84
2	FID	ACIS-S-6	7.32	1743	0.017	0.022	0.009	0.015	0.000000	0.000000	393.80	809.63
3	GUIDE	966926896	9.20	3481	-0.298	0.040	0.080	0.133	266.197771	-31.663459	2138.24	1130.31
4	GUIDE	966927176	9.04	3481	-0.134	-0.122	0.091	0.141	265.946853	-31.673679	2112.31	1899.72
5	GUIDE	967442688	8.38	3486	0.047	-0.067	0.064	0.105	266.096113	-32.373763	-413.43	1476.12
6	GUIDE	967446352	7.74	3486	0.197	0.261	0.067	0.102	267.069988	-32.671157	-1537.37	-1460.12
7	GUIDE	967448136	8.83	3449	0.182	-0.113	0.087	0.164	265.900071	-32.546602	-1029.23	2078.21

2.4 Star Slots

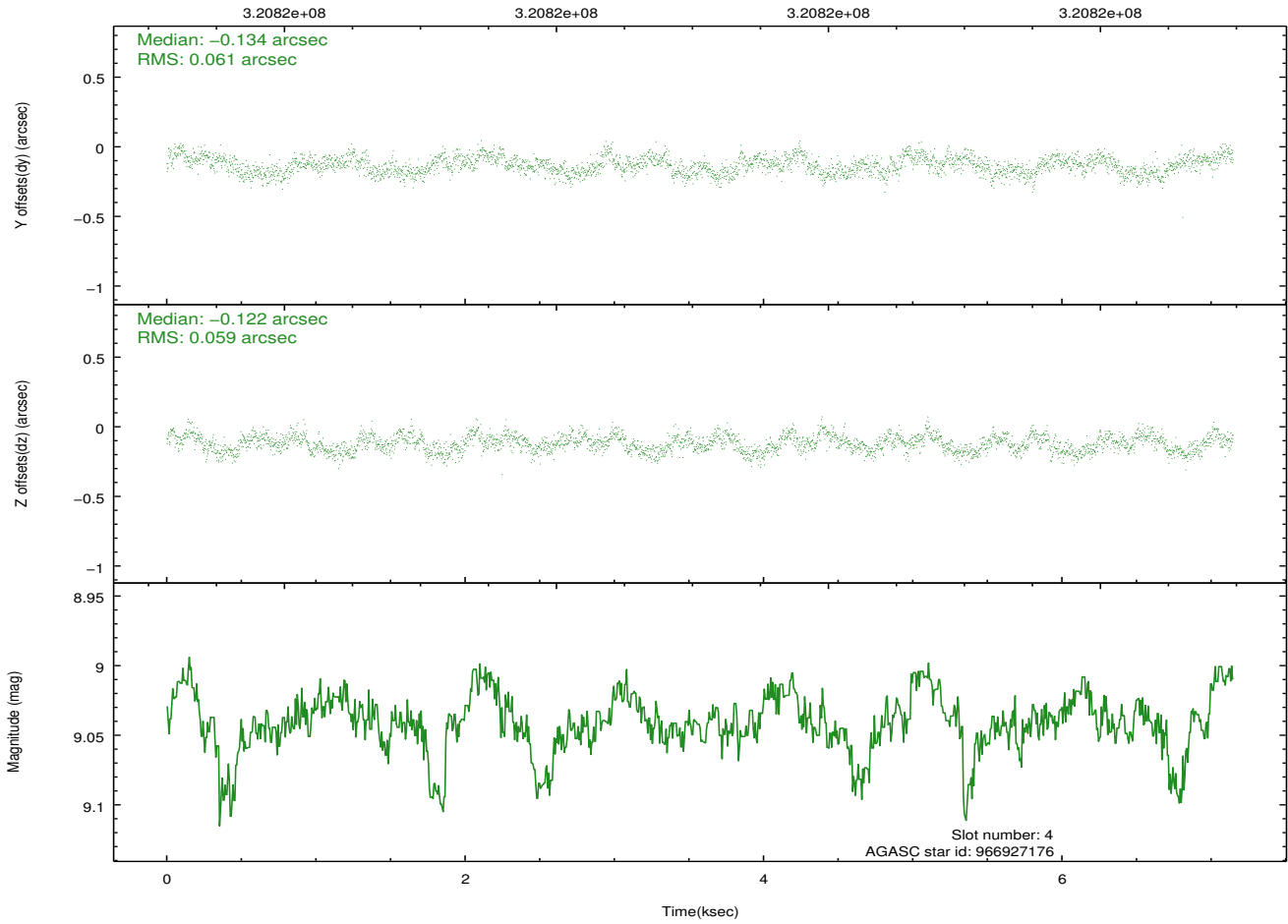
2.4.1 Slot 3



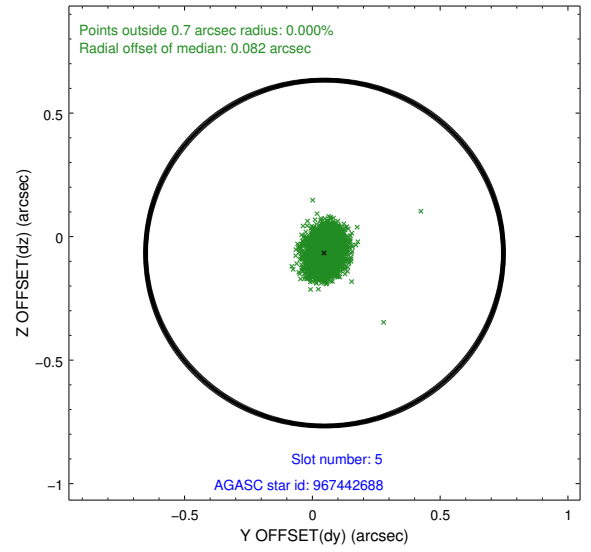
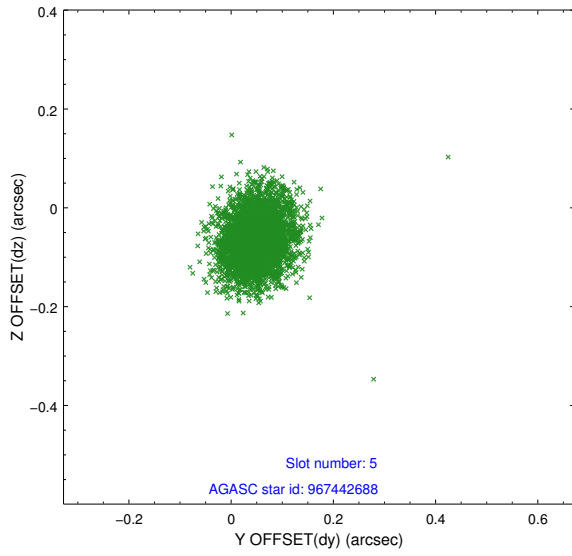
2.4.2 Slot 4



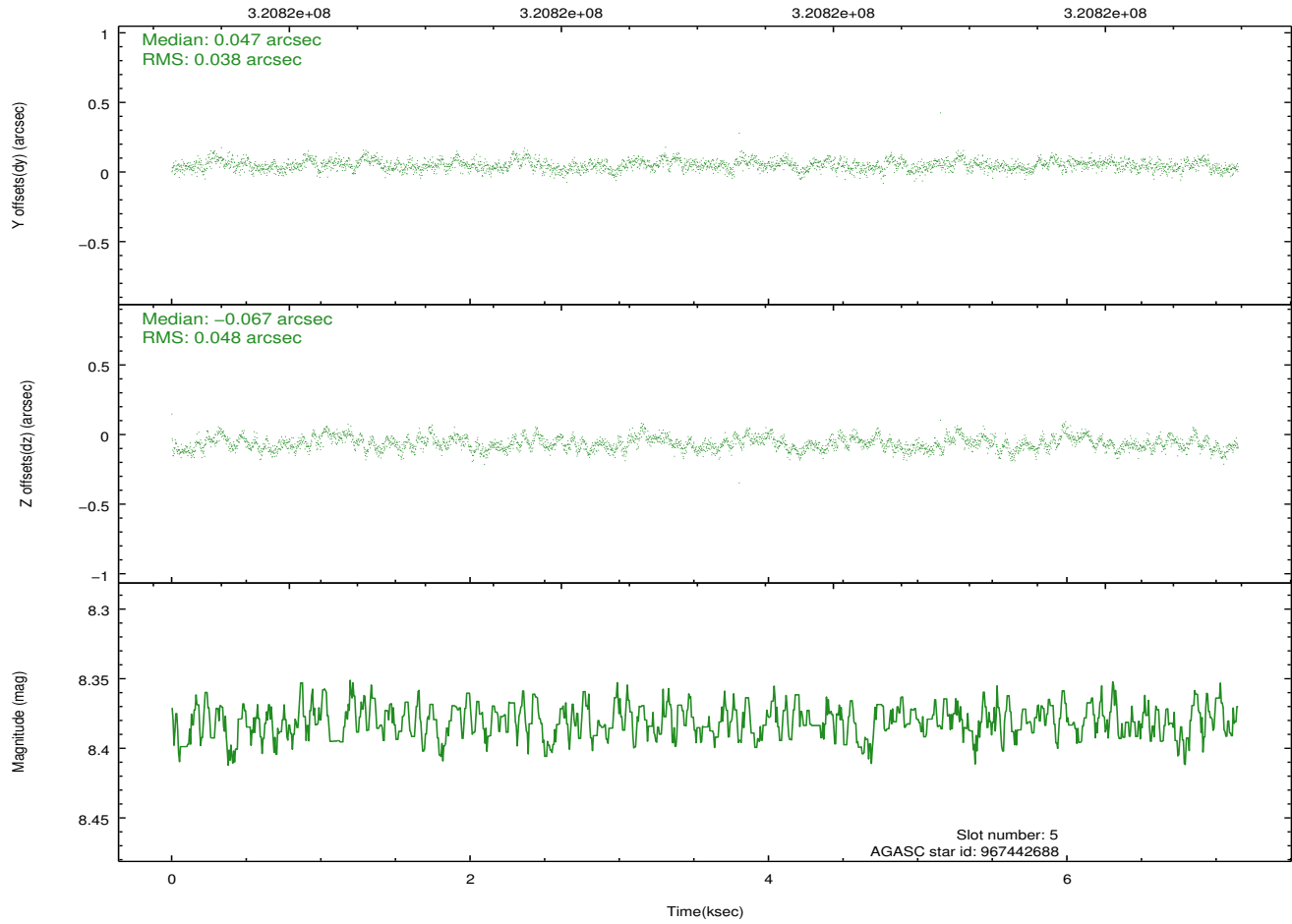
Time (s)



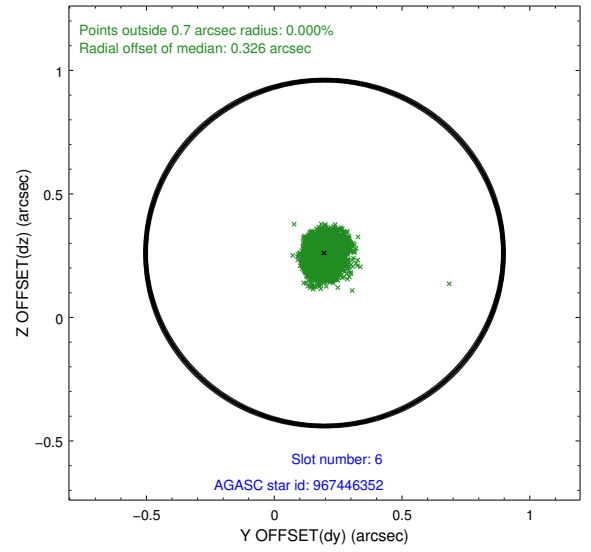
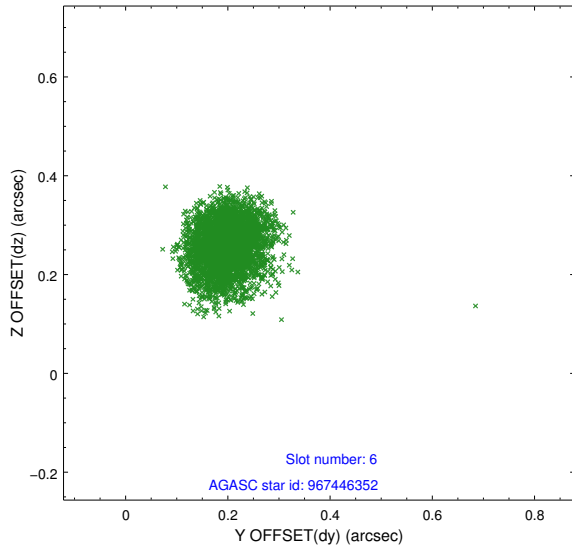
2.4.3 Slot 5



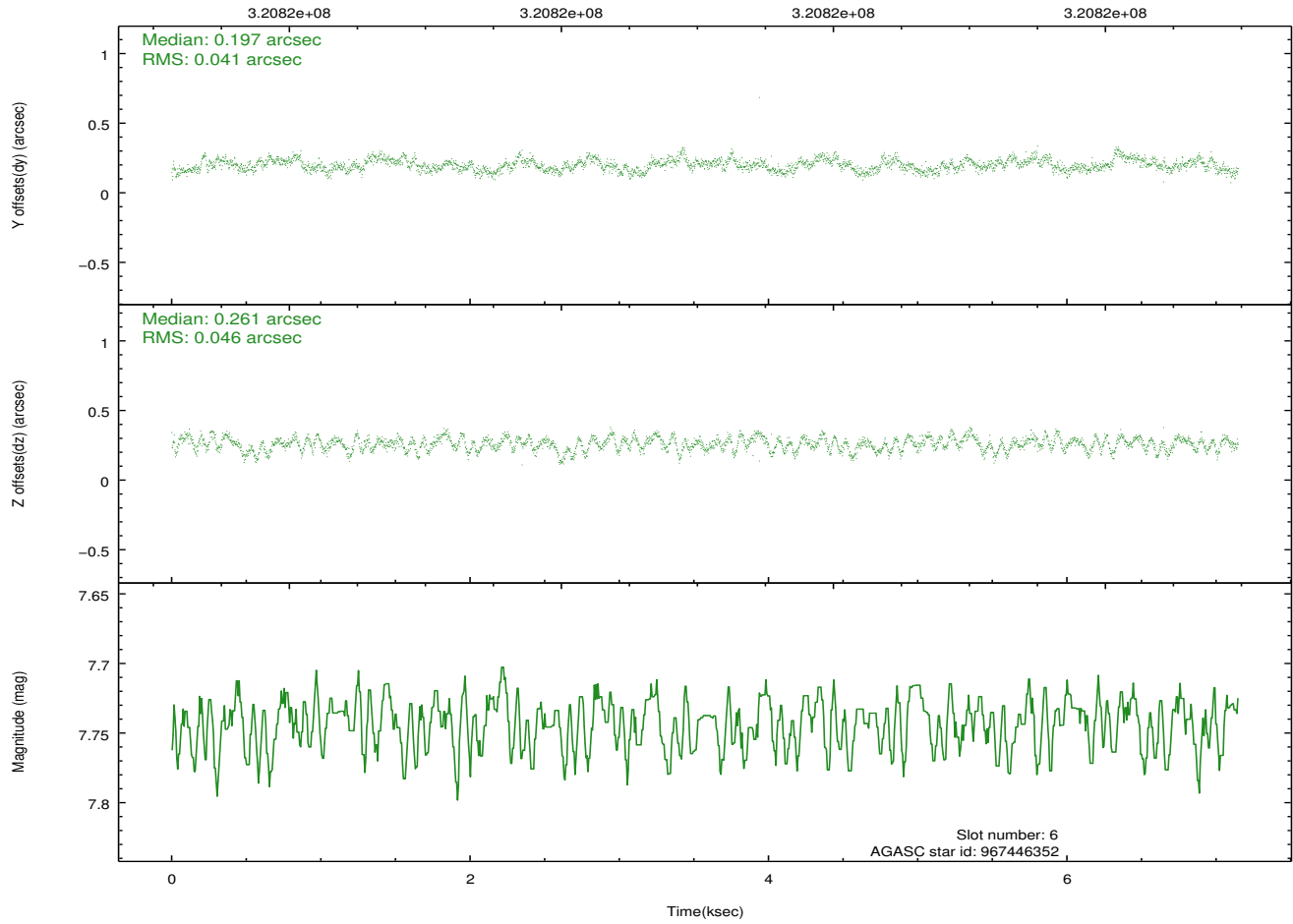
Time (s)



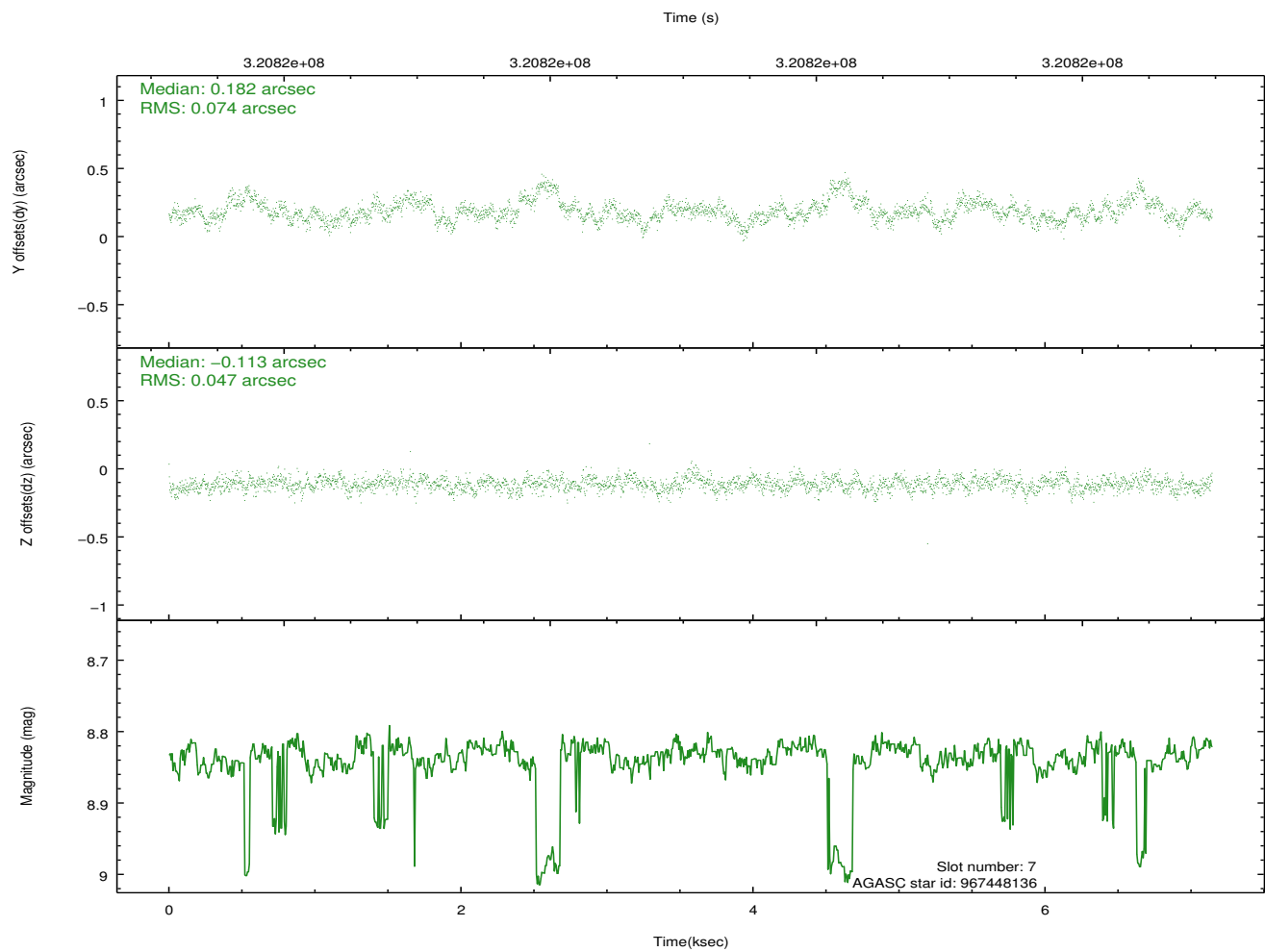
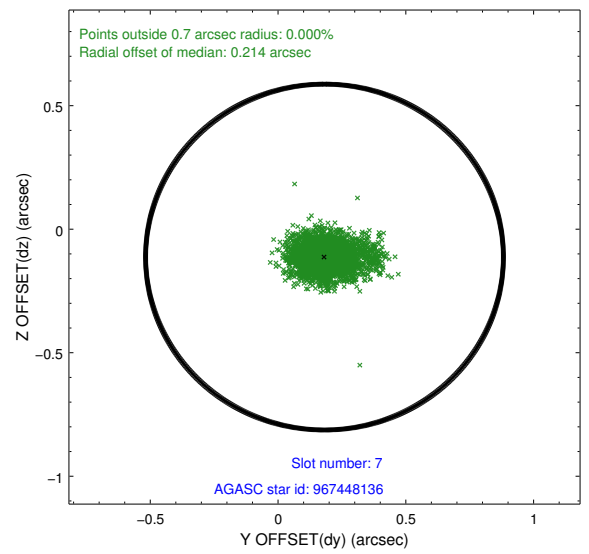
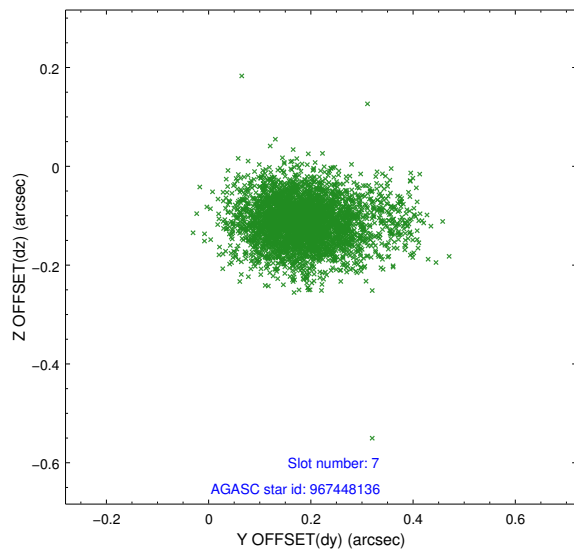
2.4.4 Slot 6



Time (s)

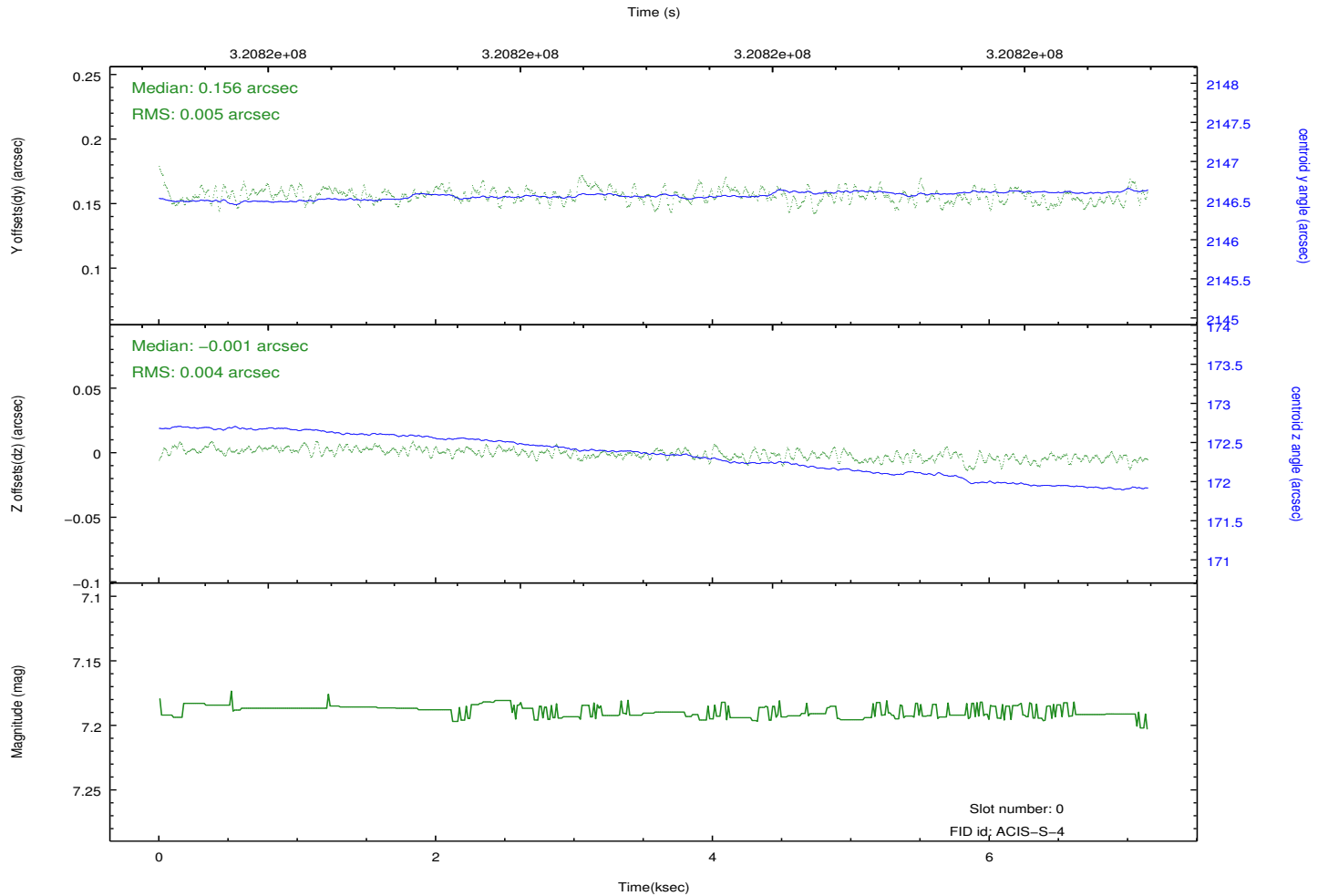
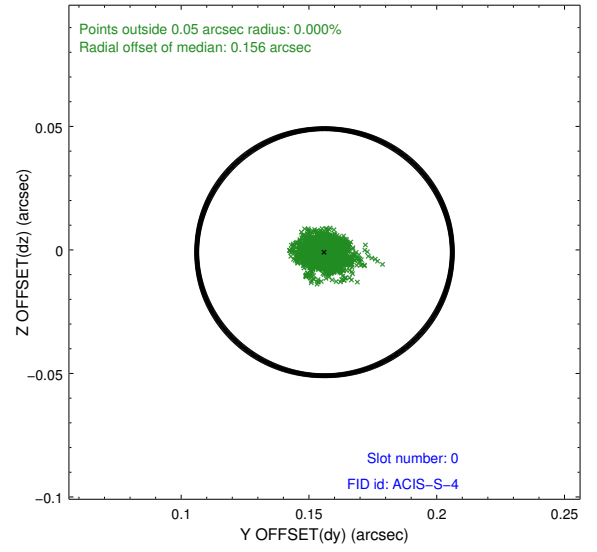
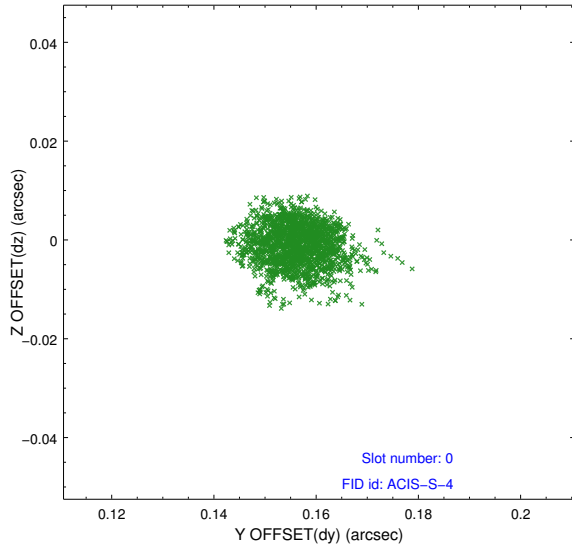


2.4.5 Slot 7

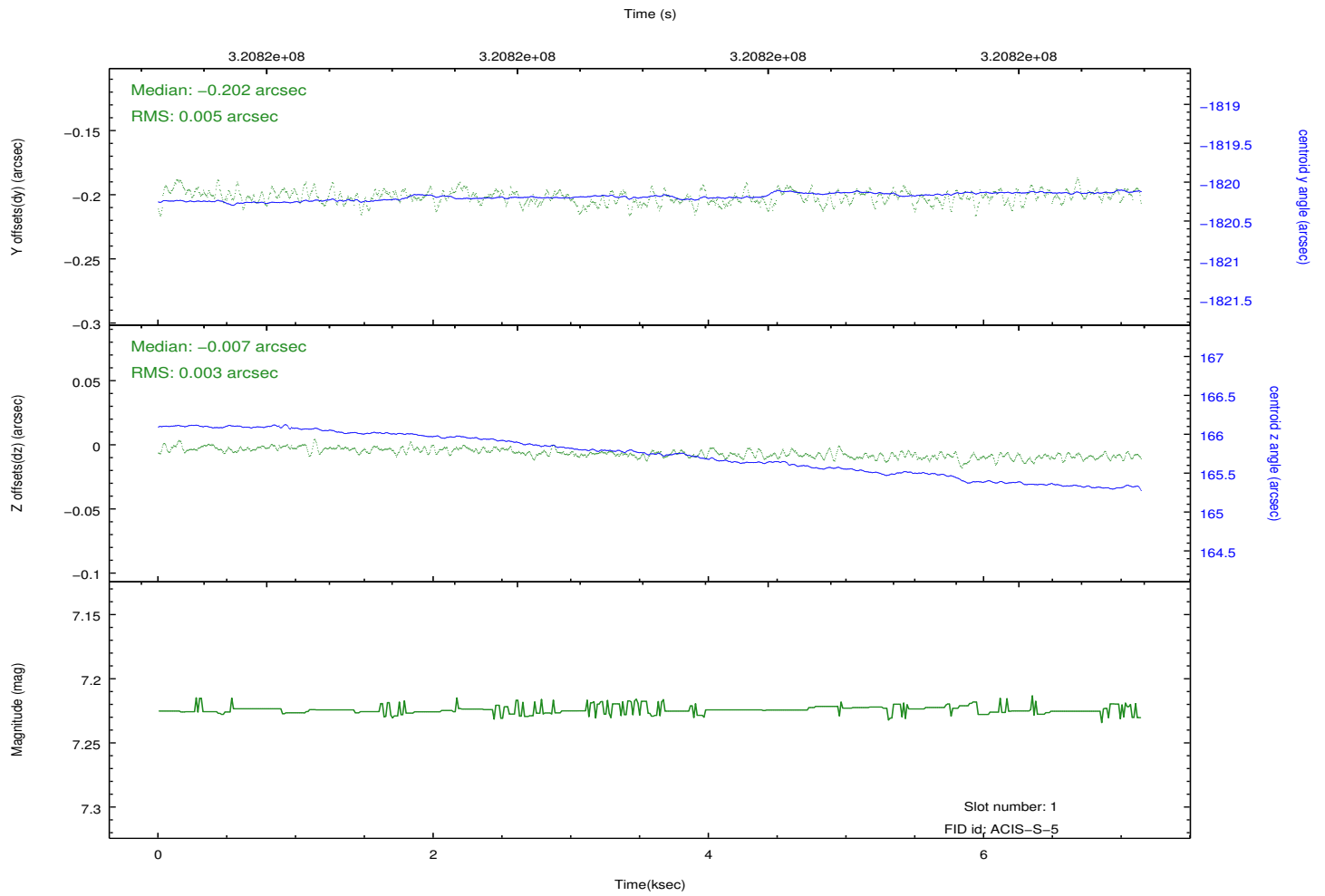
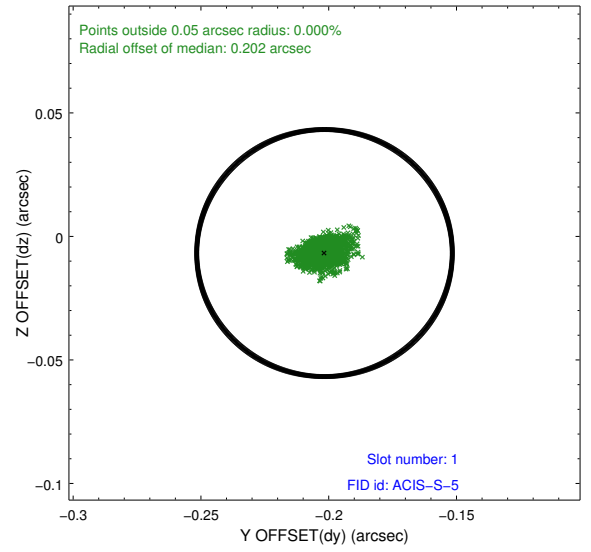
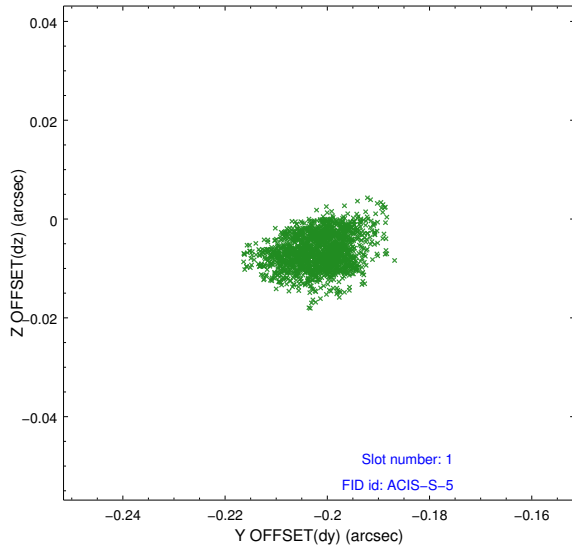


2.5 FID Slots

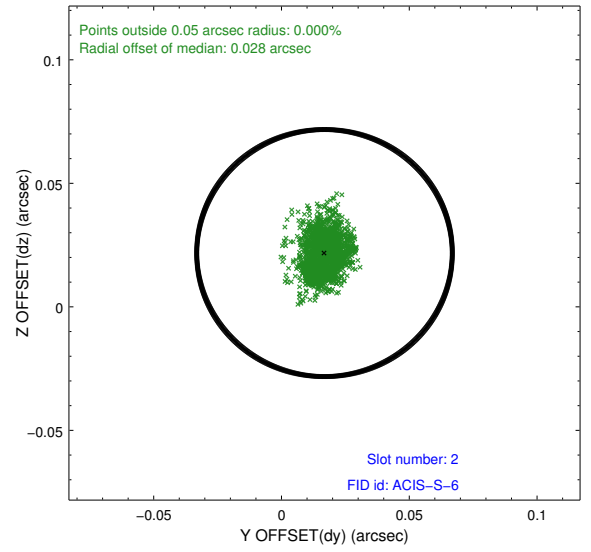
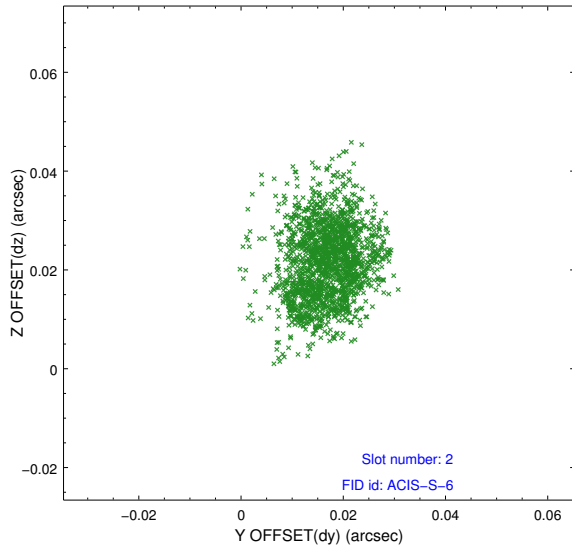
2.5.1 Slot 0



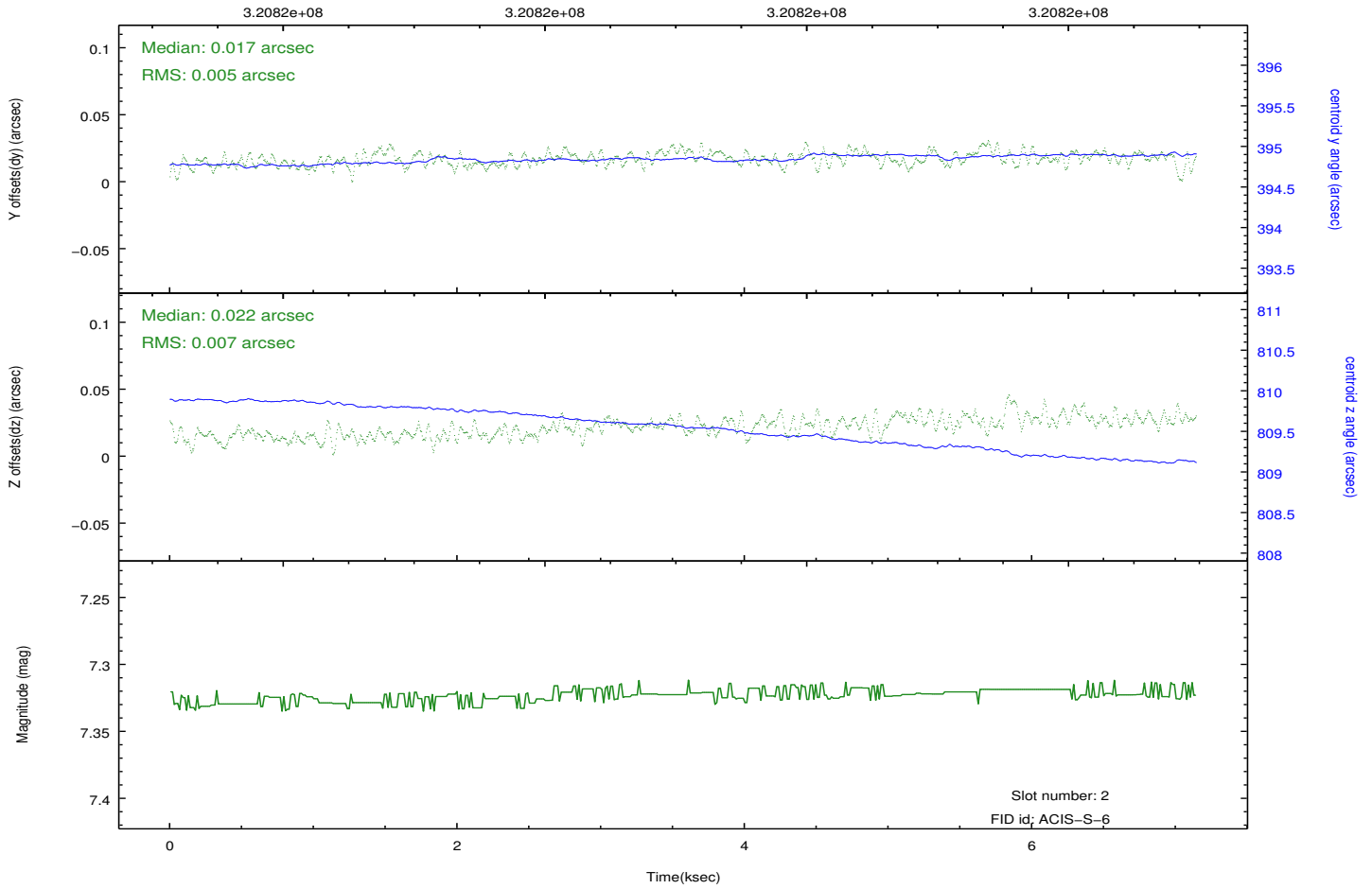
2.5.2 Slot 1



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.14519957

A.2 Comments

Joint proposal with NRAO. Monitor constraint met.