

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3797 - L2 Version 4
Chandra X-Ray Center

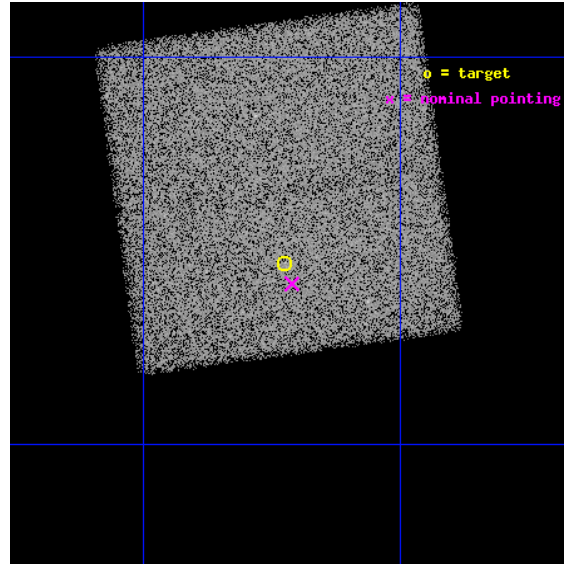
L2 Processing Date : Nov 3 2012

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1 Front

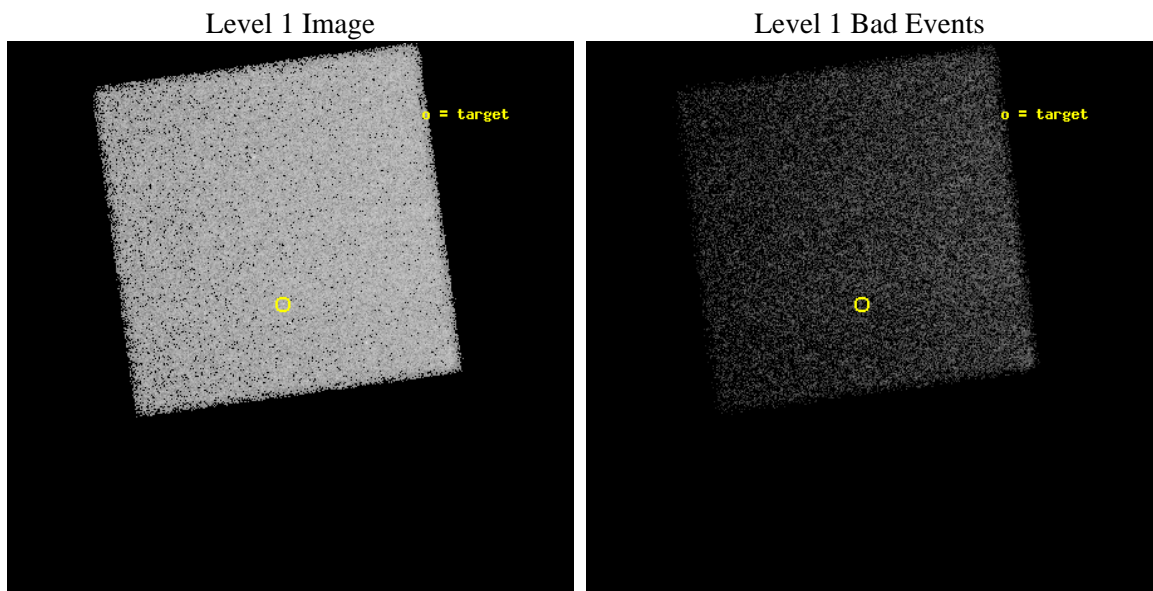
seq_num	400284	Sequence number
obs_id	3797	Observation id
title	MONITORING TWO QUASI-PERSISTENT X-RAY BINARIES IN QUIESCENCE	Propo
observer	Dr. Rudy Wijnands	Principal investigator
object	KS 1731-260	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	263.55625	Observer's specified target RA [deg]
dec_targ	-26.088556	Observer's specified target Dec [deg]
ra_nom	263.55294348489	Nominal RA [deg]
dec_nom	-26.097762034661	Nominal Dec [deg]
roll_nom	262.15517079196	Nominal Roll [deg]
revision	4	Processing version of data
ontime	30132.0	Sum of GTIs [s]
livetime	29725.357114671	Livetime [s]
ontime7	30132.0	Sum of GTIs [s]
l2events	101882	Number of level 2 events



2 OBI

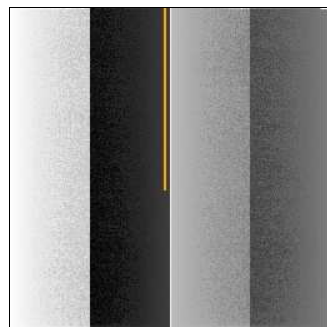
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	30000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	30132.0	Sum of GTIs [s]
caldbver	4.5.2	 	ontime7	30132.0	Sum of GTIs [s]
date	2012-11-03T14:55:33	Date and time of file creation	l1events	255347	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

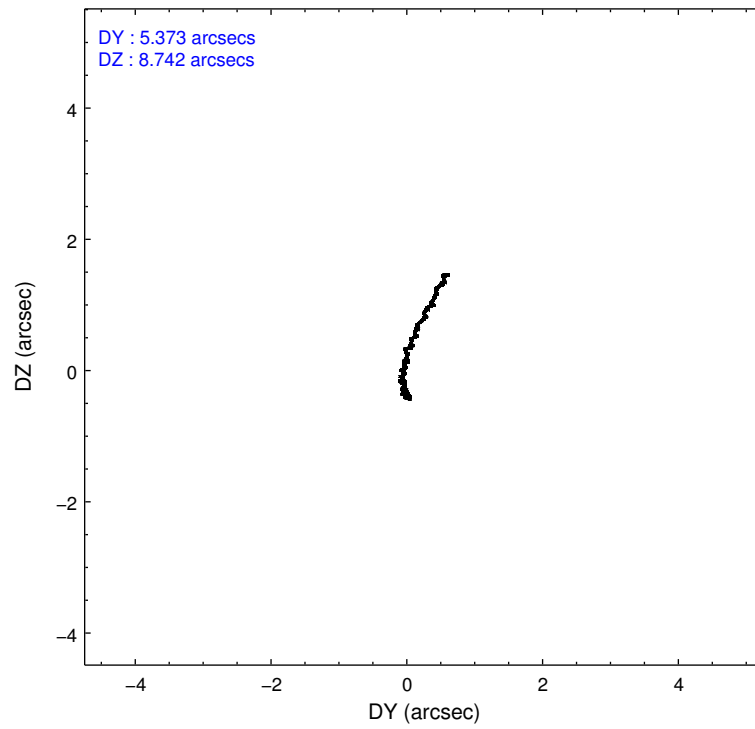
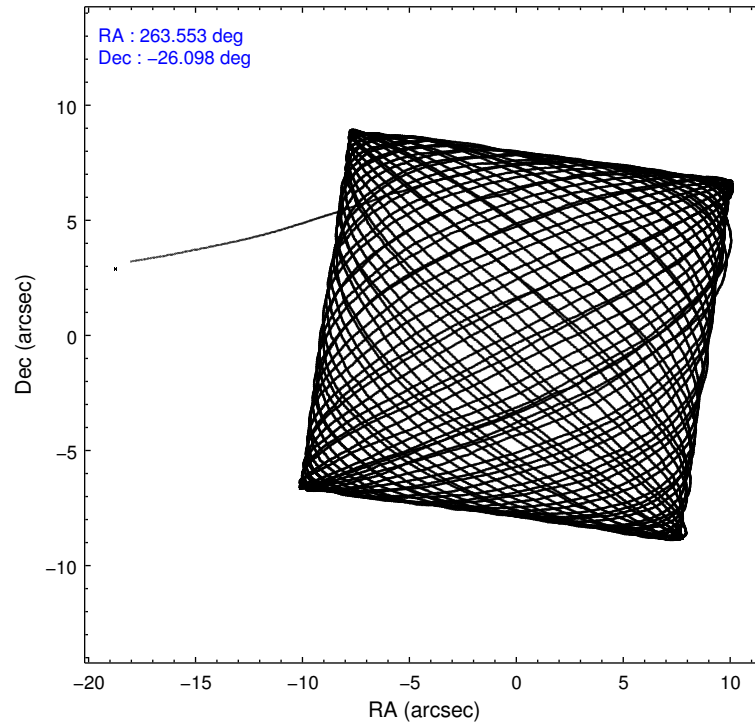
	ccd 7
level 1 events	255347
rejected events	150944
rejected %	59%

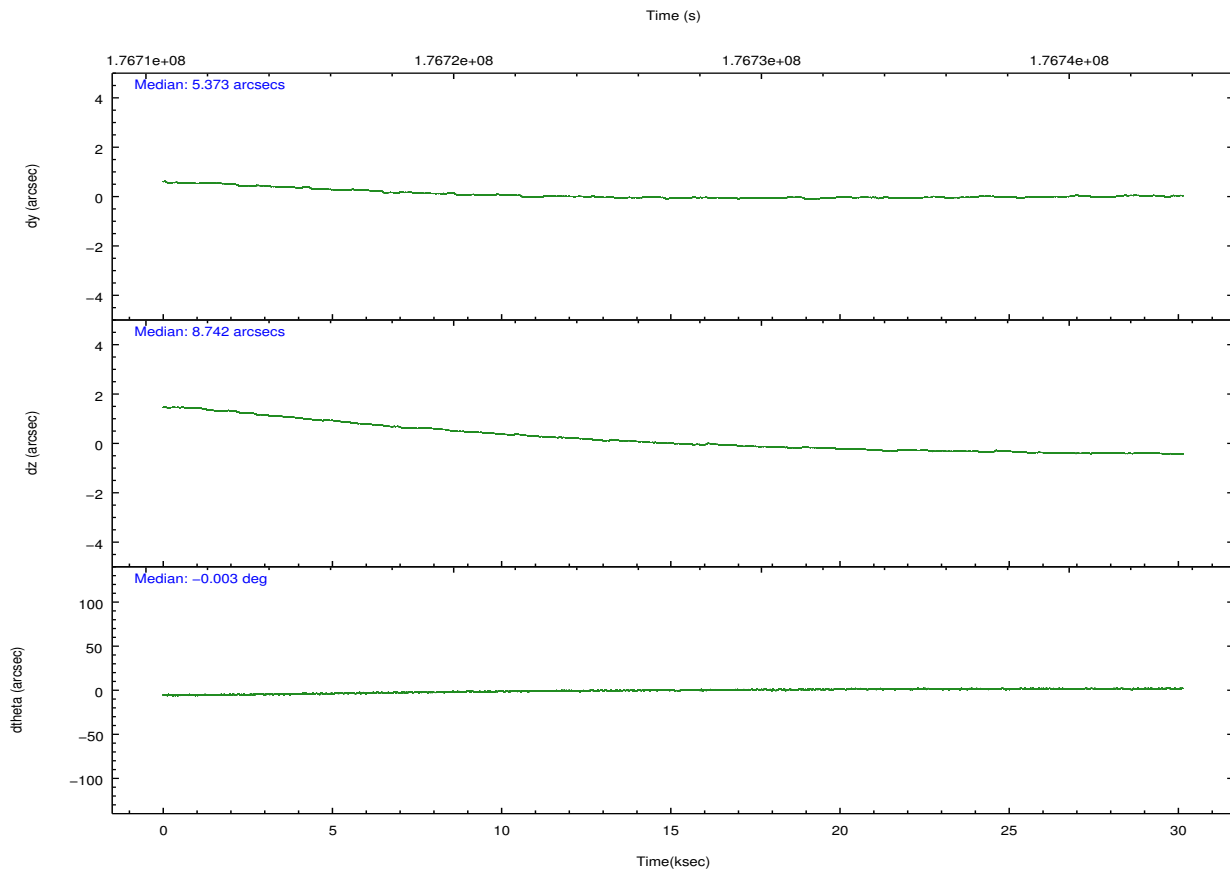
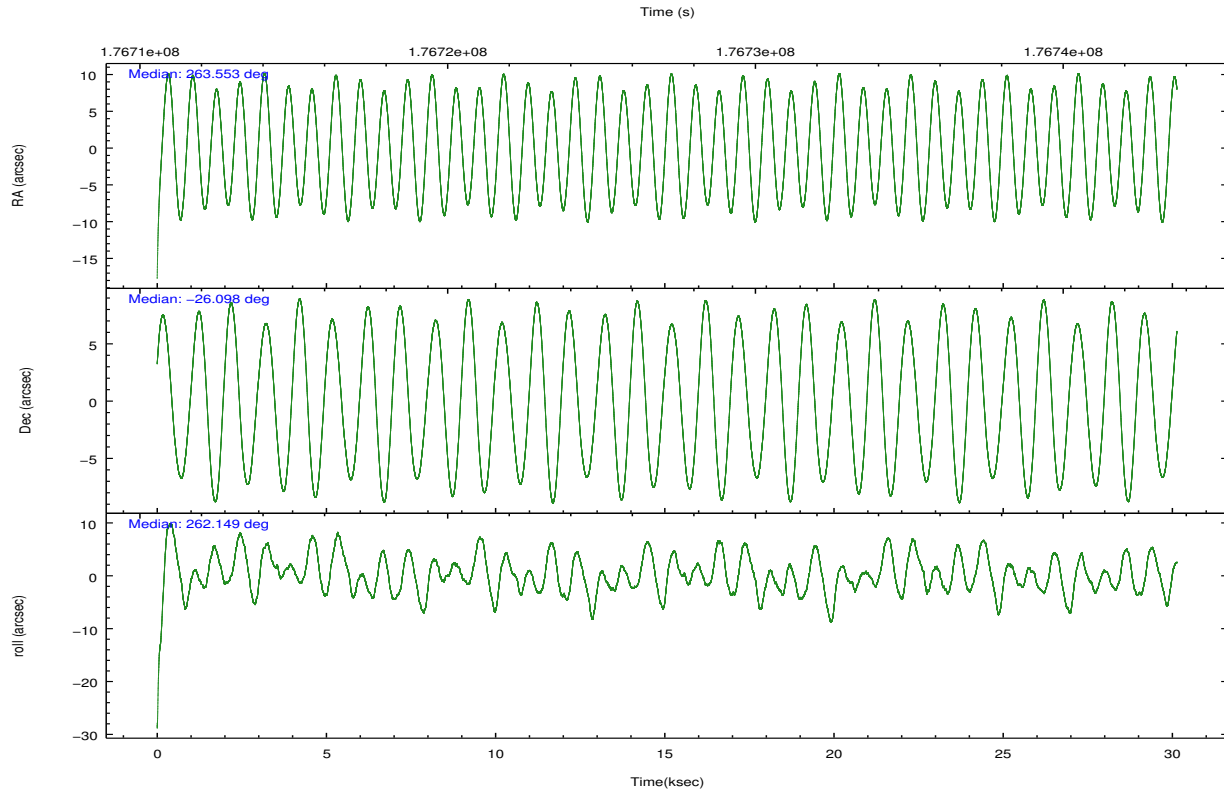
	ccd 7
grade 0 events	9805
	3%
grade 1 events	234
	0%
grade 2 events	20975
	8%
grade 3 events	9888
	3%
grade 4 events	9698
	3%
grade 5 events	24177
	9%
grade 6 events	57081
	22%
grade 7 events	123489
	48%

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	263.541121	263.5529434848872	Subarray requested	NONE	NONE
[deg] Pointing Dec	-26.072676	-26.09776203466125	Alternating exposures requested	N	N
[deg] Pointing Roll	261.993347	262.1551707919609	[s] Primary exposure time	0.000000	3
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	176712199.184000	176711057.23029			
Observation start date	2003-08-08T06:42:15	2003-08-08T06:24:17			
[s] Observation end time (MET)	176742199.184000	176743149.98166			
Observation end date	2003-08-08T15:02:15	2003-08-08T15:19:09			
Read mode	TIMED	TIMED			

2.3 Aspect



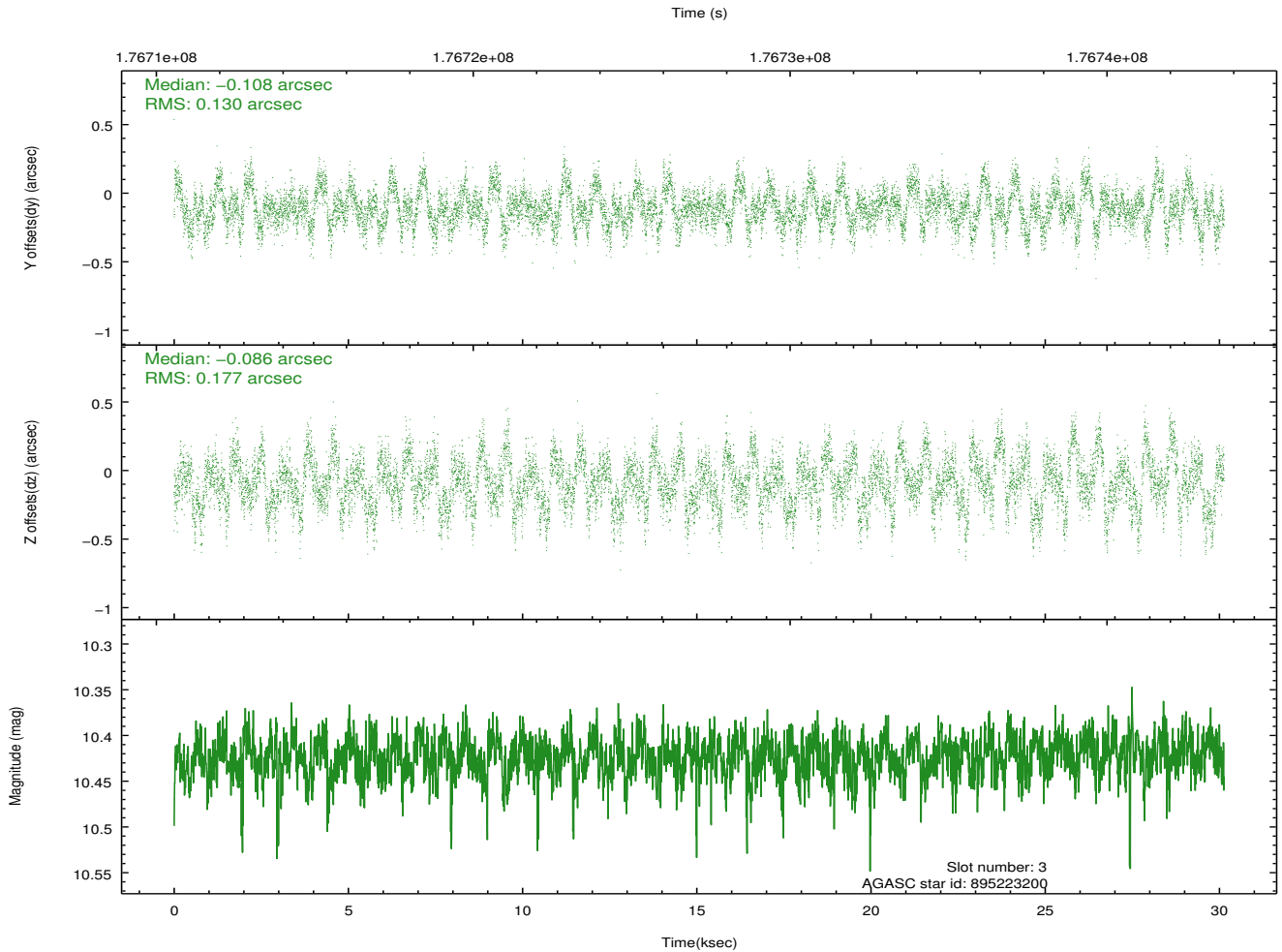
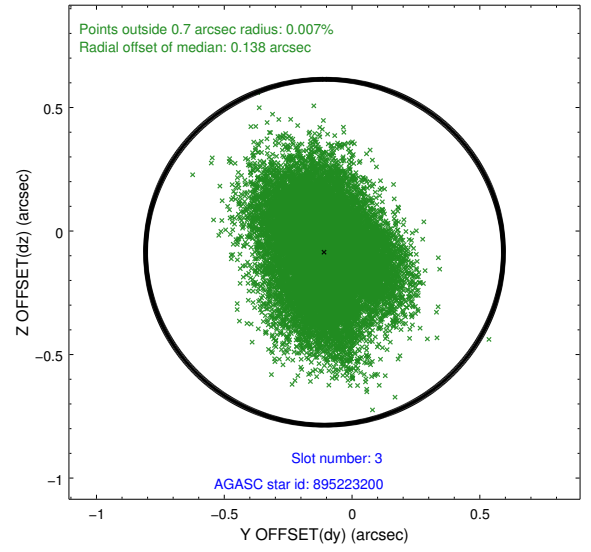
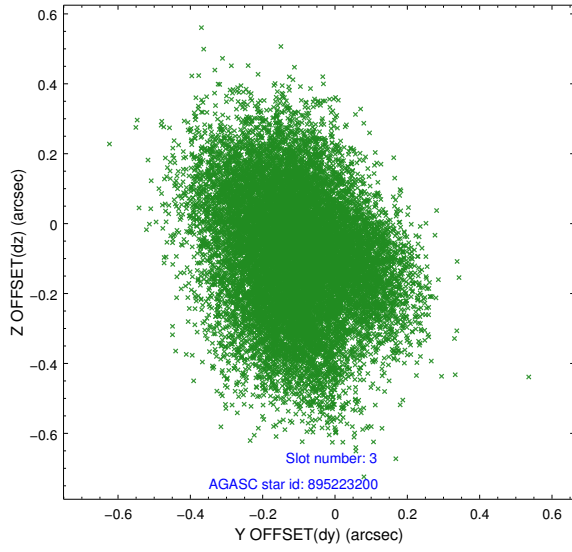


Slot Statistics

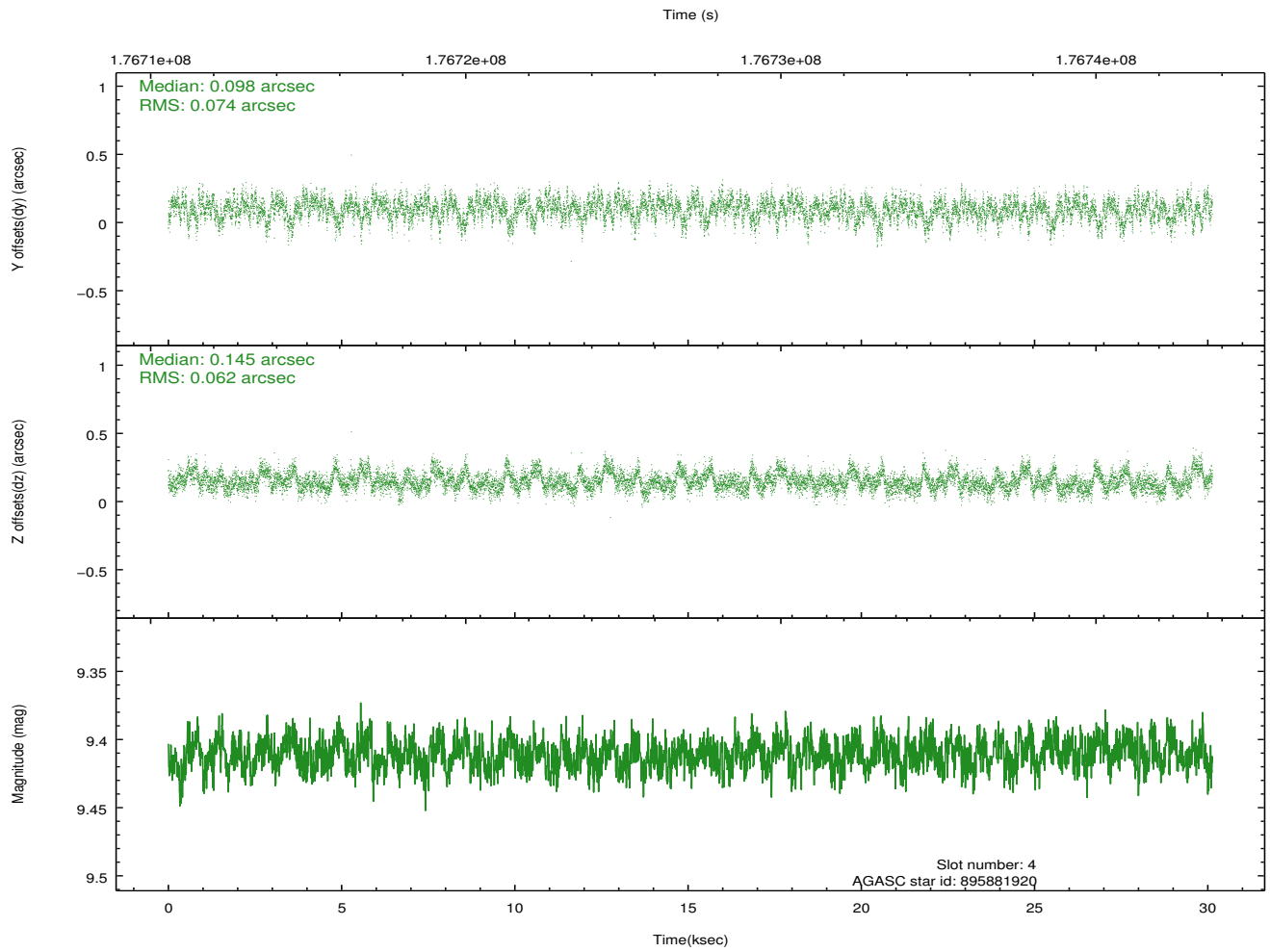
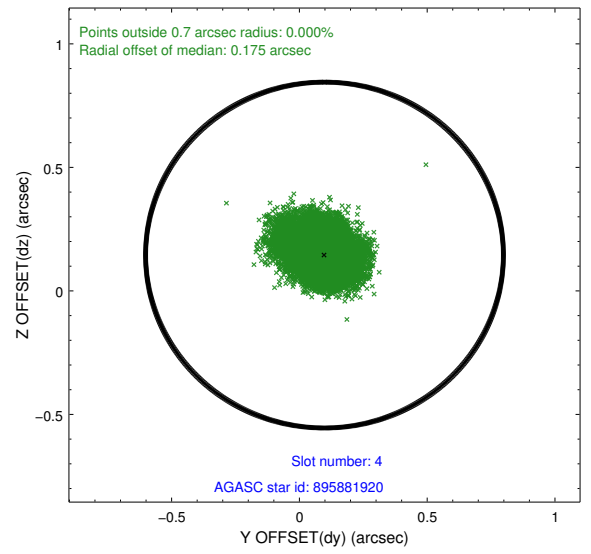
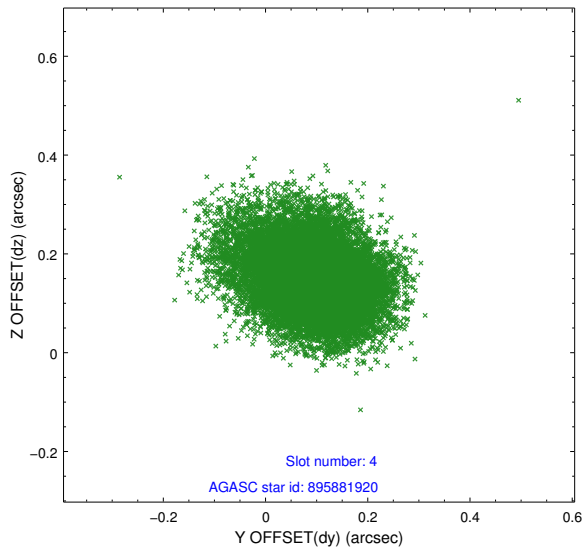
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	7350	-0.048	-0.043	0.018	0.024	0.000000	0.000000	-758.23	-1730.20
1	FID	ACIS-S-4	7.20	7350	0.092	0.037	0.022	0.035	0.000000	0.000000	2155.16	178.26
2	FID	ACIS-S-5	7.23	7350	-0.066	0.020	0.014	0.024	0.000000	0.000000	-1810.98	172.03
3	GUIDE	895223200	10.42	14685	-0.108	-0.086	0.236	0.377	262.834279	-26.055766	264.87	-2271.14
4	GUIDE	895881920	9.41	14695	0.098	0.145	0.102	0.171	263.913988	-26.630022	1821.72	1468.24
5	GUIDE	895882536	9.56	14681	-0.040	0.066	0.126	0.200	264.066482	-26.424198	1020.81	1854.27
6	GUIDE	895748544	7.99	14699	0.090	-0.055	0.061	0.095	263.692859	-26.739685	2310.52	818.00
7	GUIDE	895353104	10.20	14680	-0.036	-0.073	0.134	0.224	263.748270	-25.444684	-2330.96	351.39

2.4 Star Slots

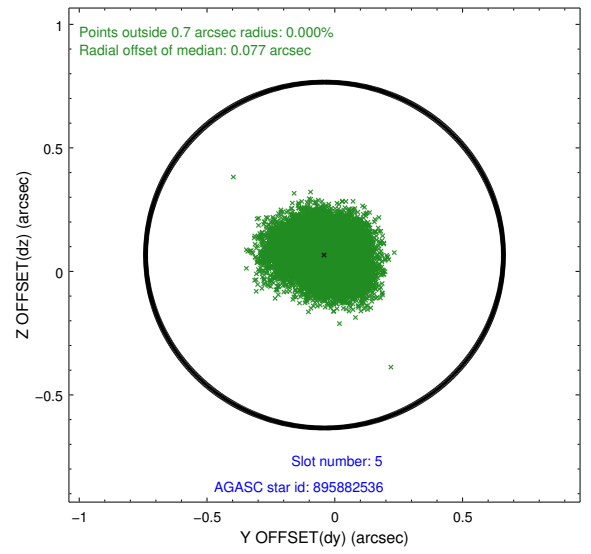
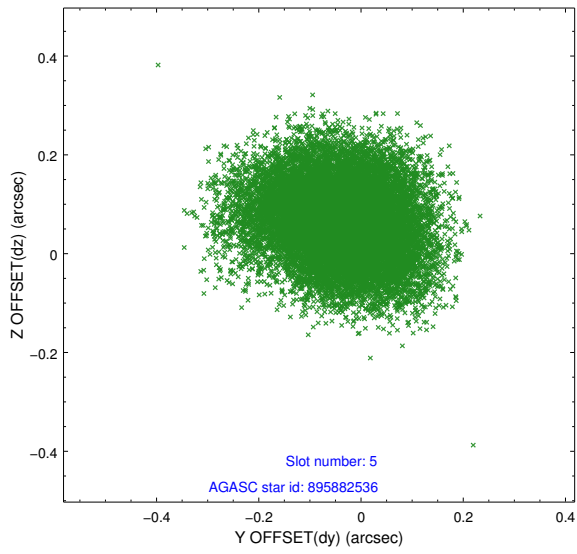
2.4.1 Slot 3



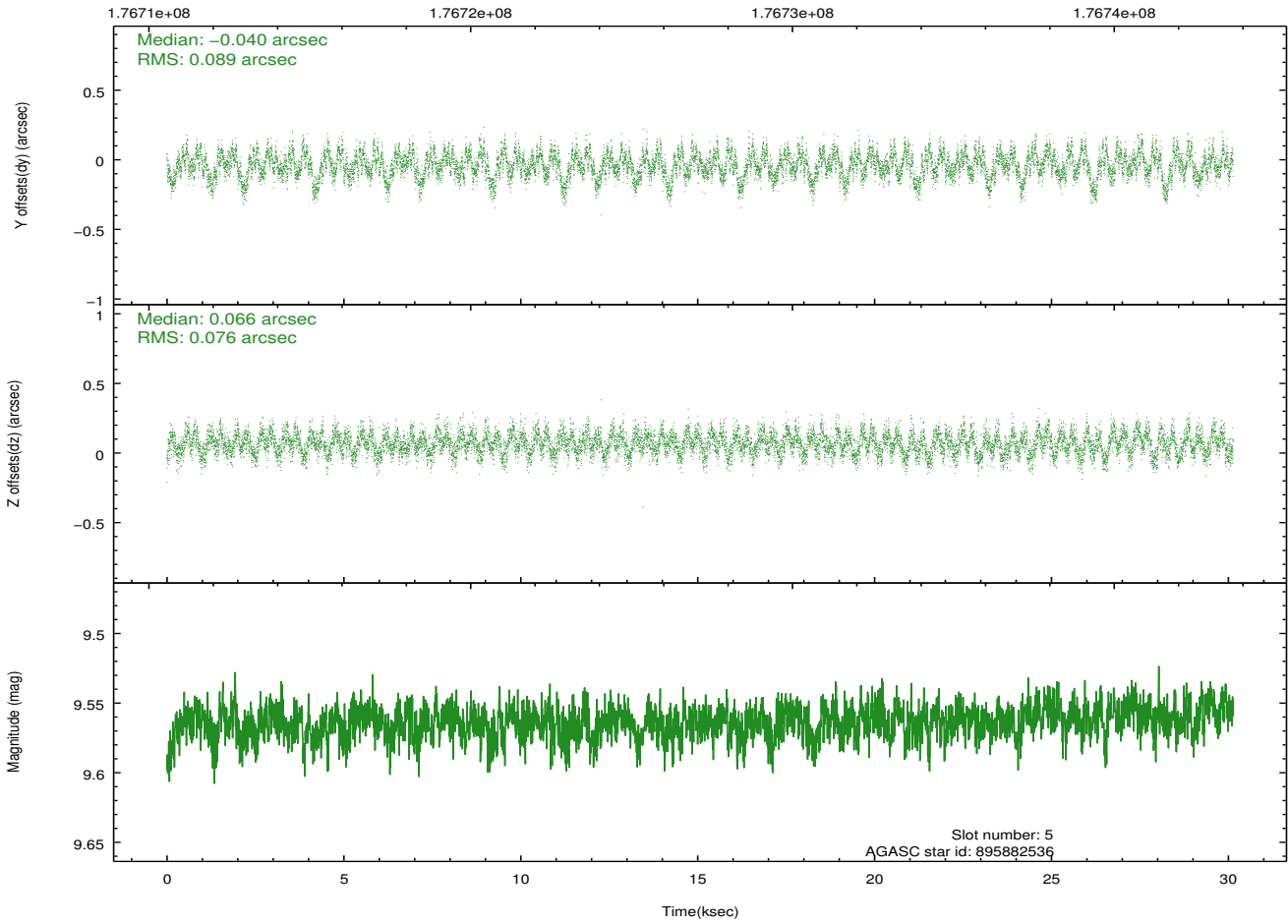
2.4.2 Slot 4



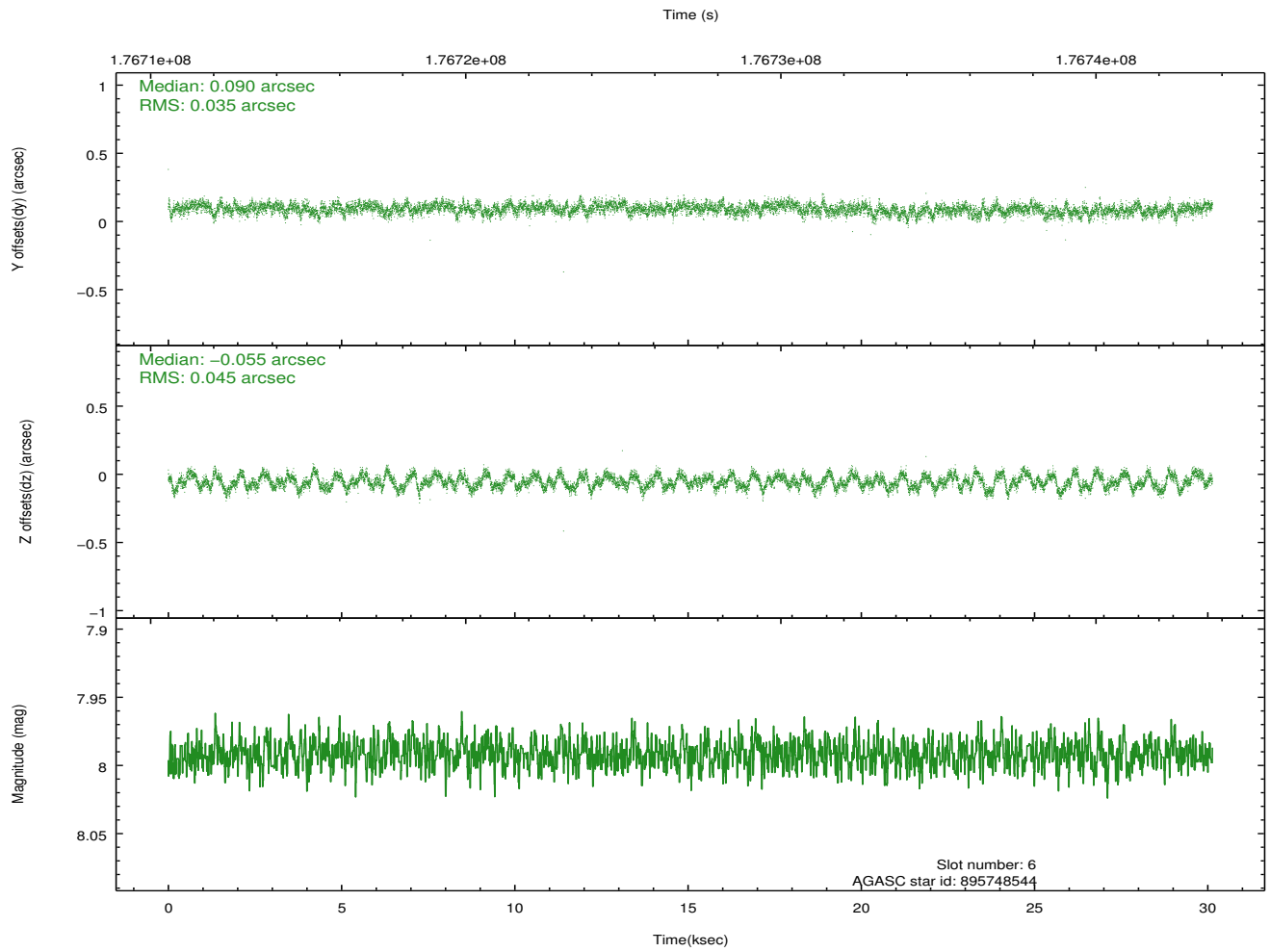
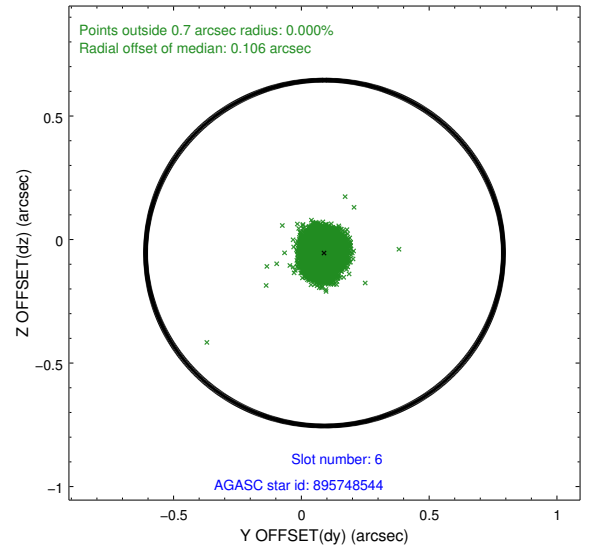
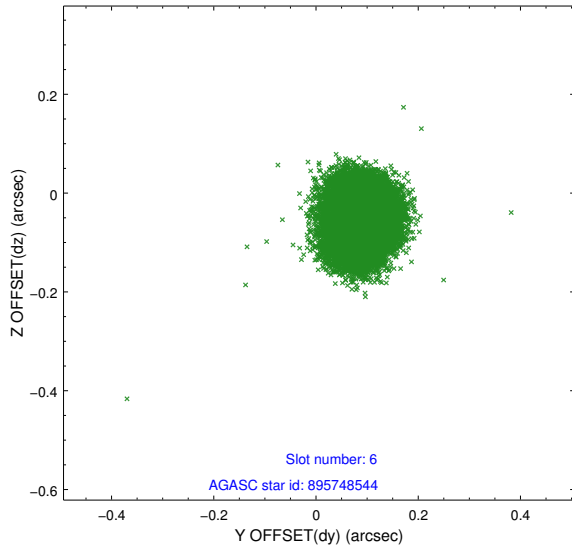
2.4.3 Slot 5



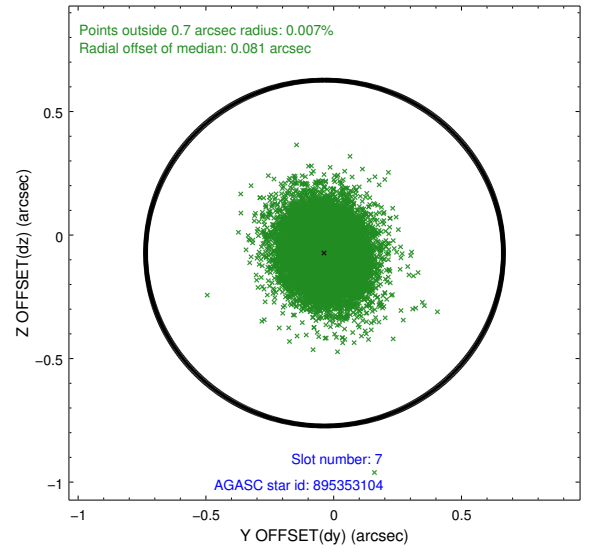
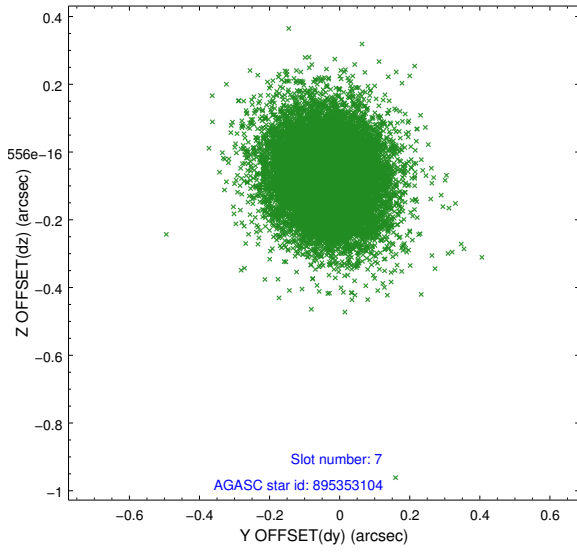
Time (s)



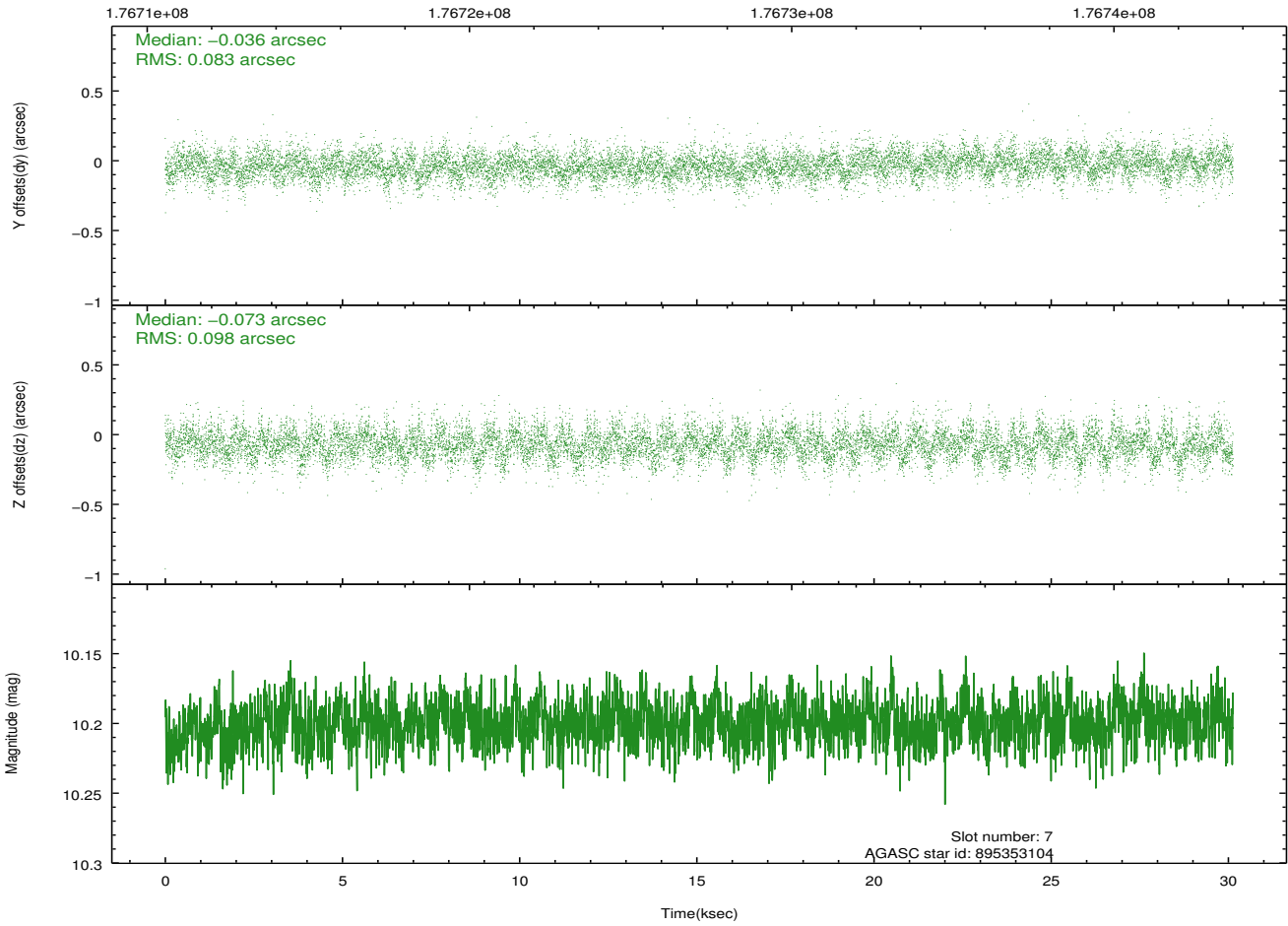
2.4.4 Slot 6



2.4.5 Slot 7

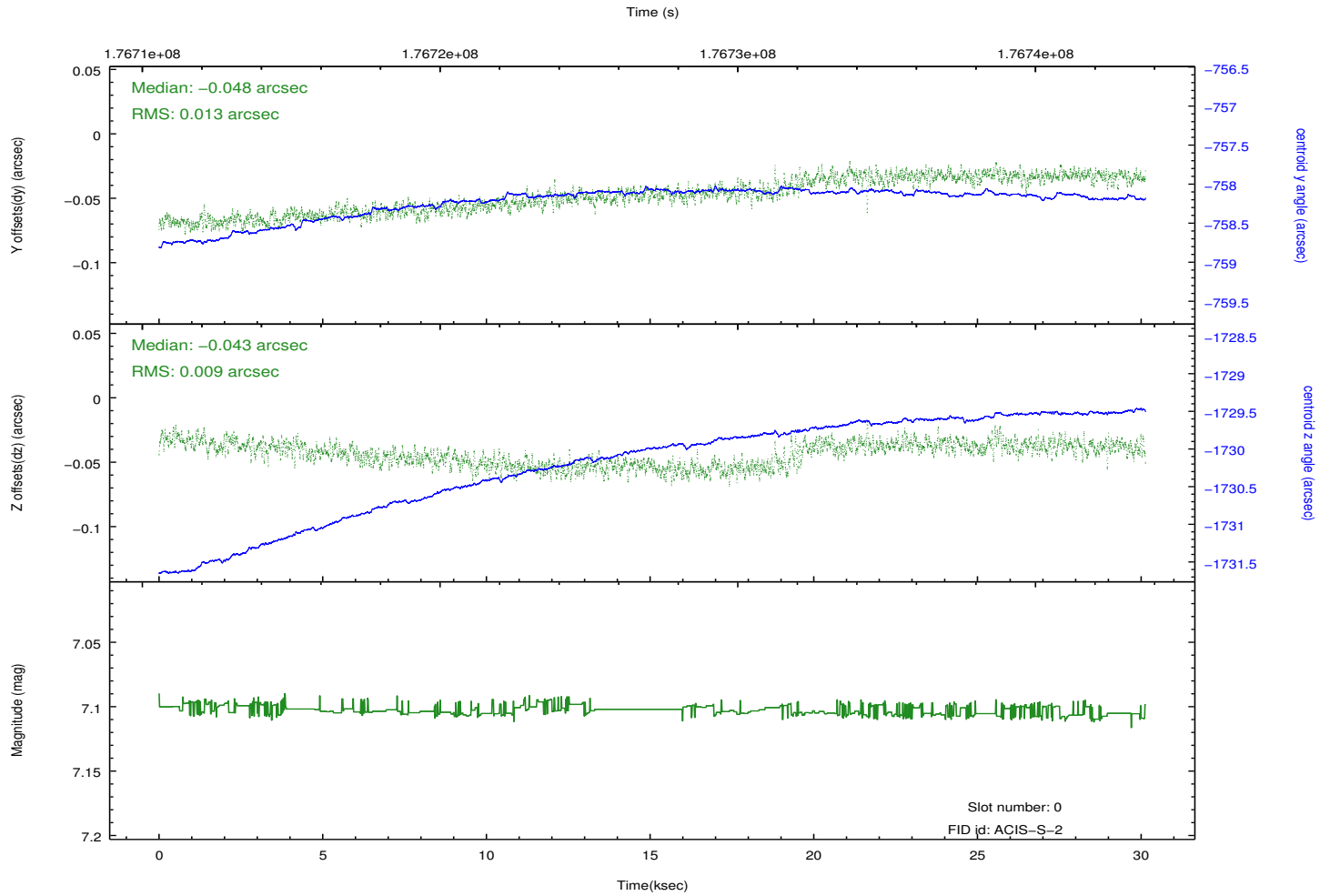
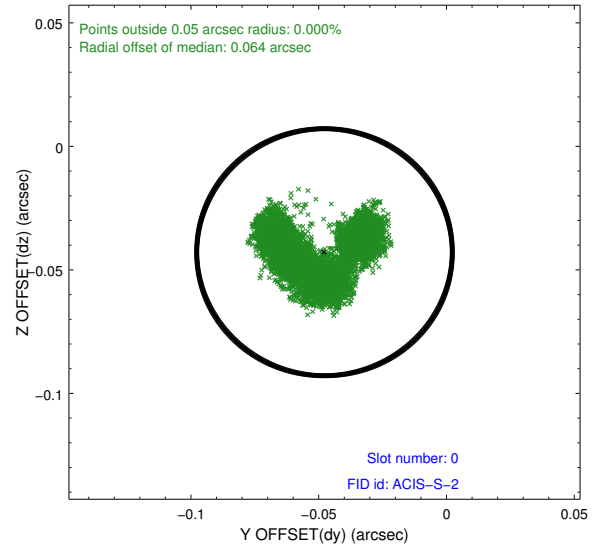
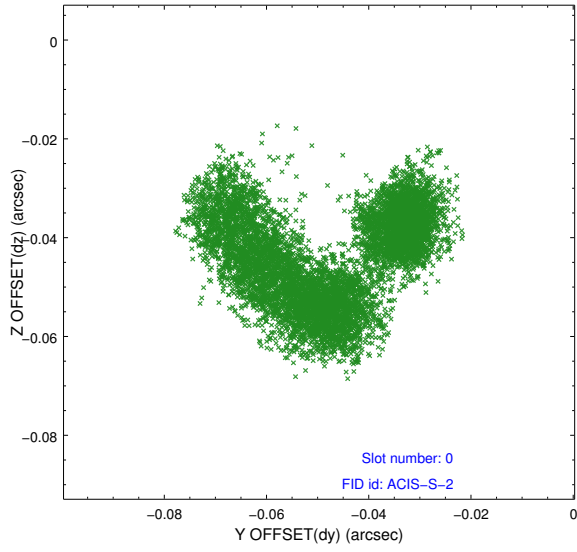


Time (s)

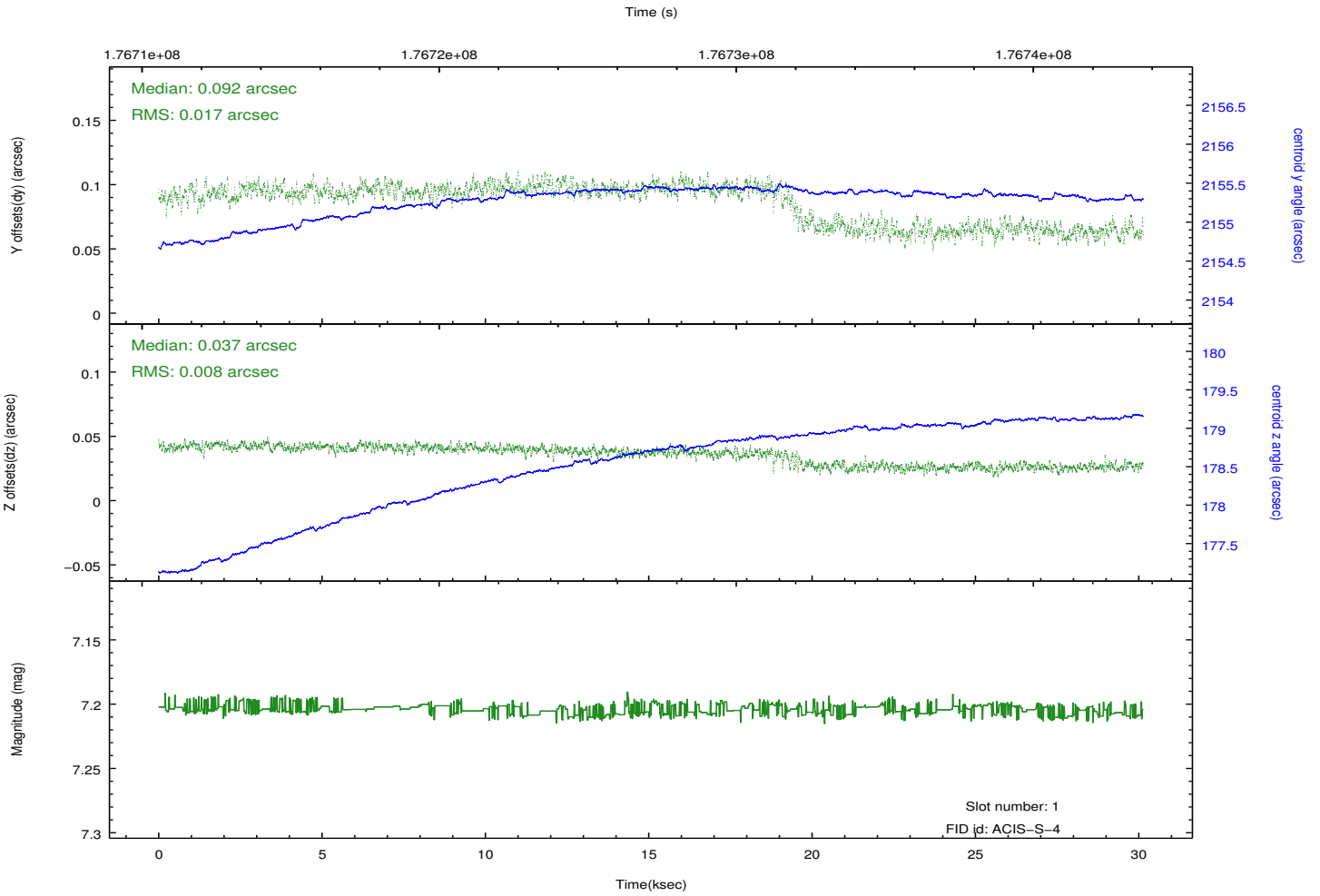
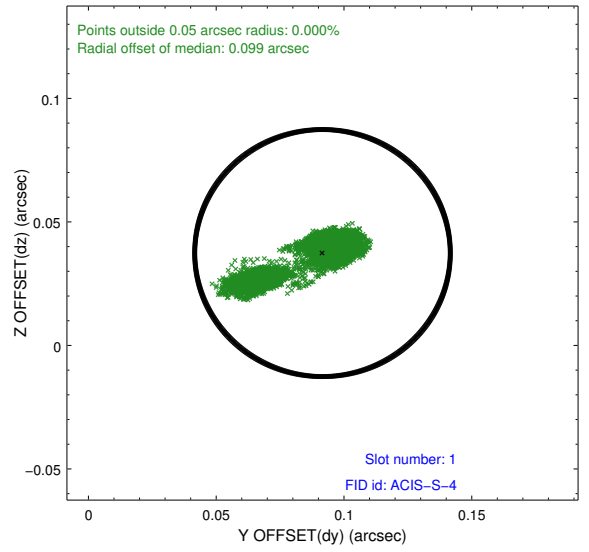
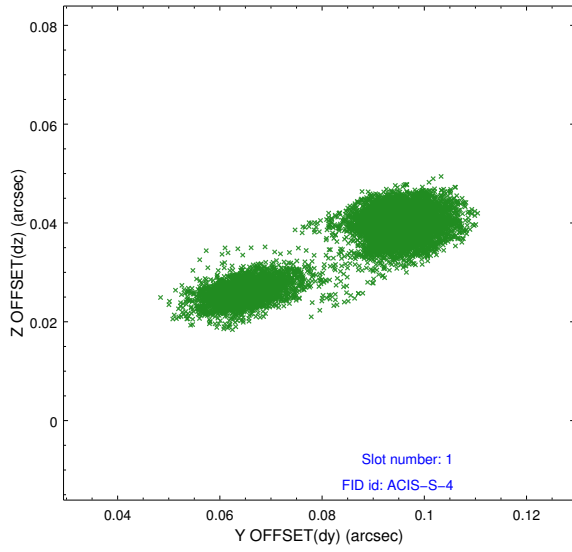


2.5 FID Slots

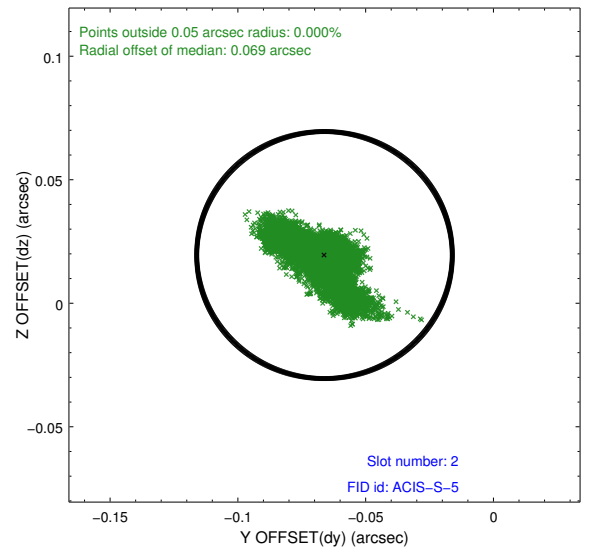
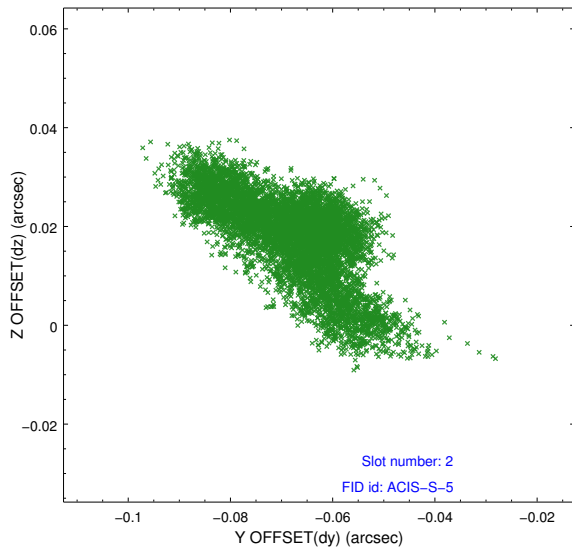
2.5.1 Slot 0



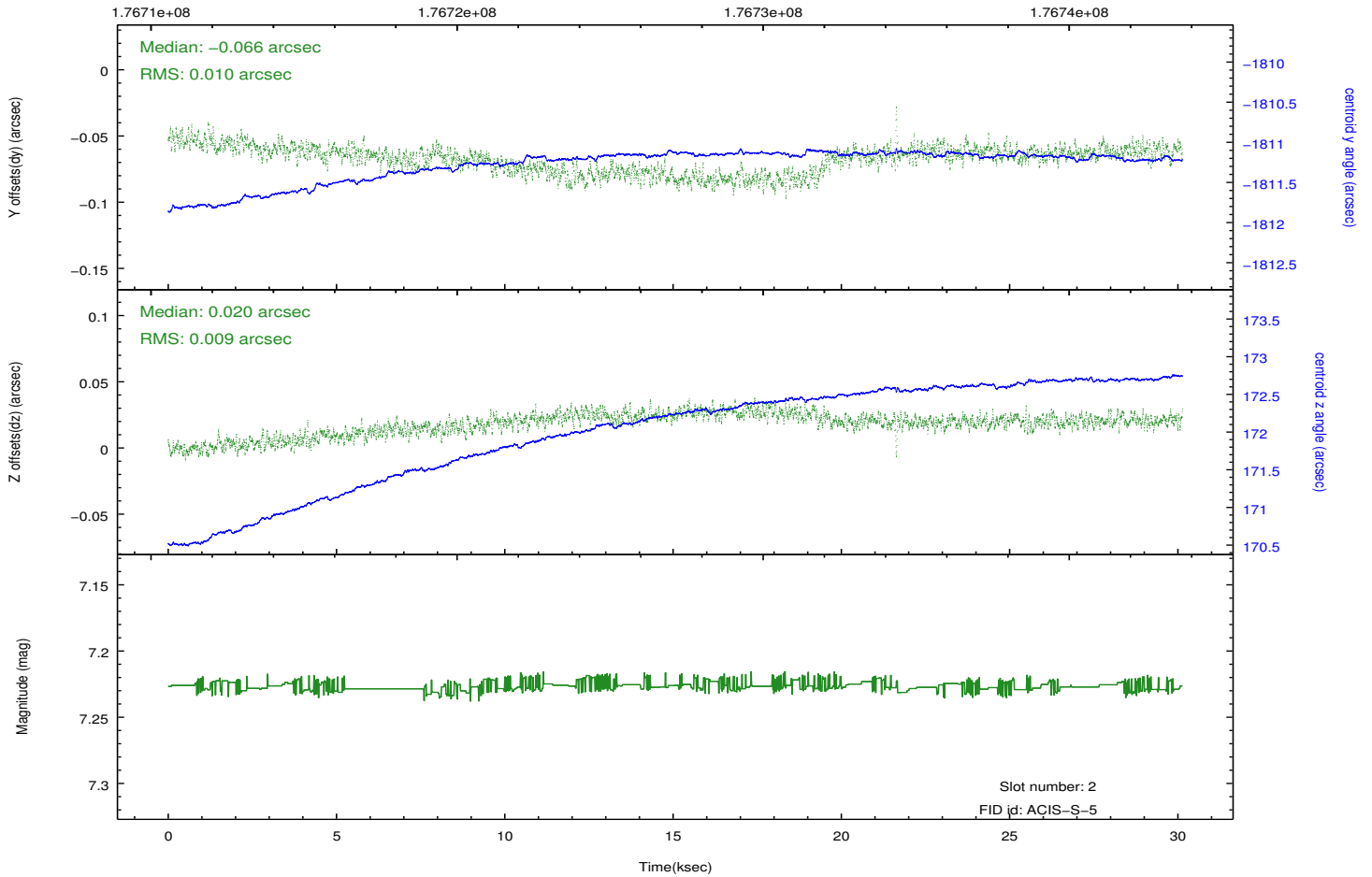
2.5.2 Slot 1



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.11.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.132

A.2 Comments

Monitor constraint met.