

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7761 - L2 Version 3
Chandra X-Ray Center

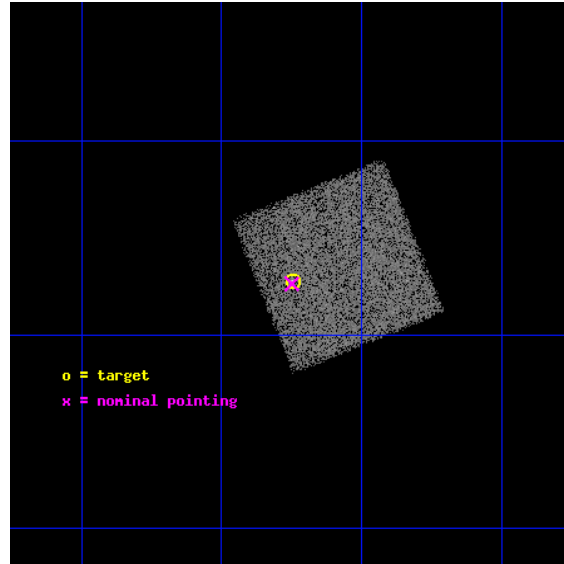
L2 Processing Date : Apr 15 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

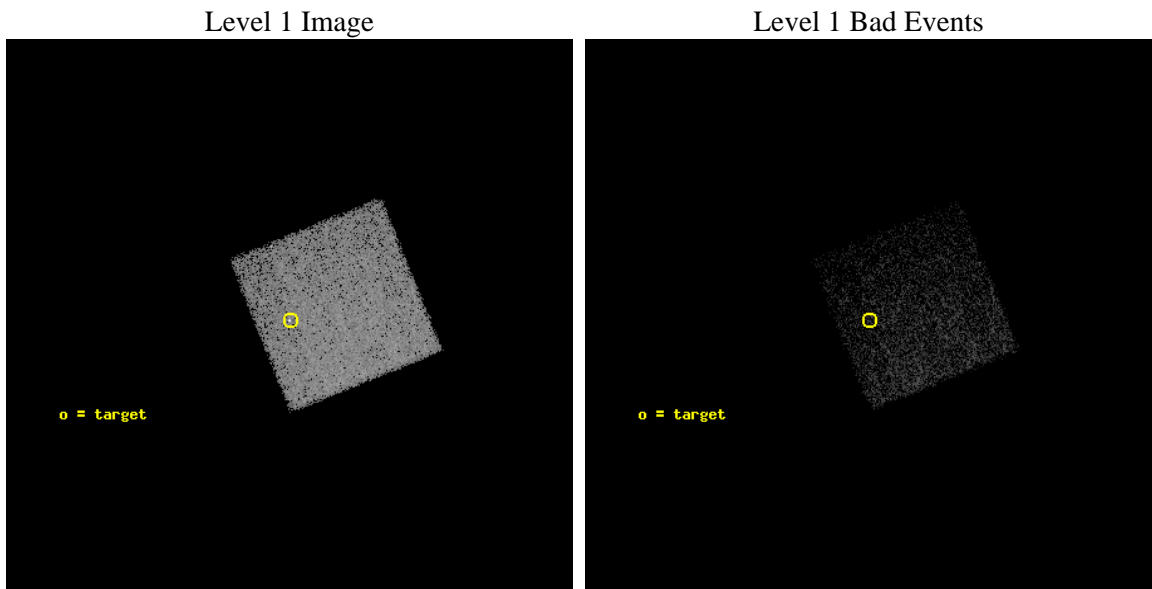
seq_num	701429	Sequence number
obs_id	7761	Observation id
title	Flux ratio anomalies in gravitationally lensed quasars with four images: Chandra observations of 4 new systems.	Proposal title
observer	Dr. Paul Schechter	Principal investigator
object	HE0435-1223	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	69.561667	Observer's specified target RA [deg]
dec_targ	-12.2875	Observer's specified target Dec [deg]
ra_nom	69.562339271567	Nominal RA [deg]
dec_nom	-12.289464625783	Nominal Dec [deg]
roll_nom	337.96751013366	Nominal Roll [deg]
revision	3	Processing version of data
ontime	10131.0	Sum of GTIs [s]
livetime	9994.2782732223	Livetime [s]
ontime7	10131.0	Sum of GTIs [s]
l2events	28019	Number of level 2 events



2 OBI

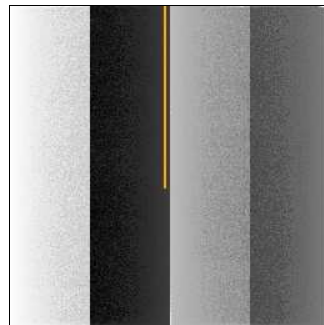
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	3	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	10131.0	Sum of GTIs [s]
caldbver	4.4.9	 	ontime7	10131.0	Sum of GTIs [s]
date	2012-04-15T14:28:04	Date and time of file creation	l1events	65050	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

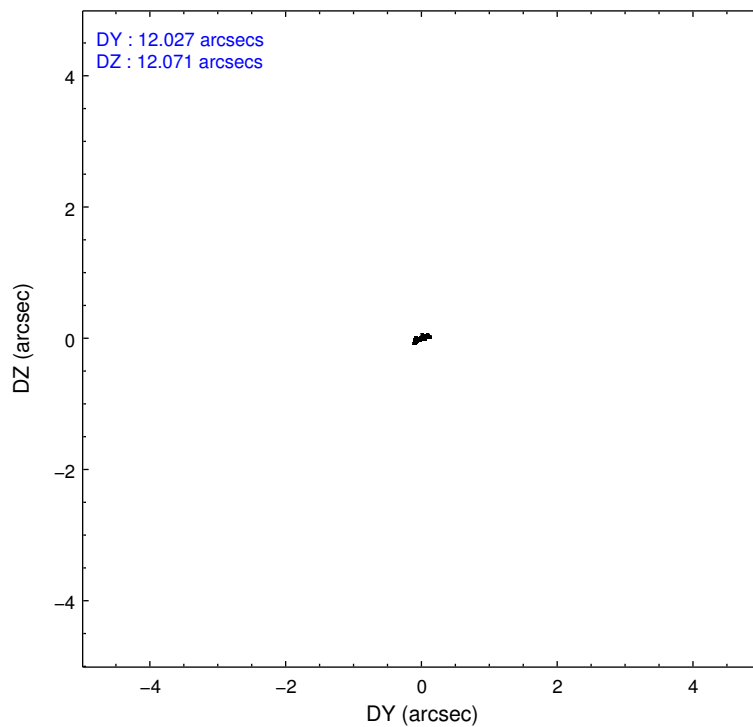
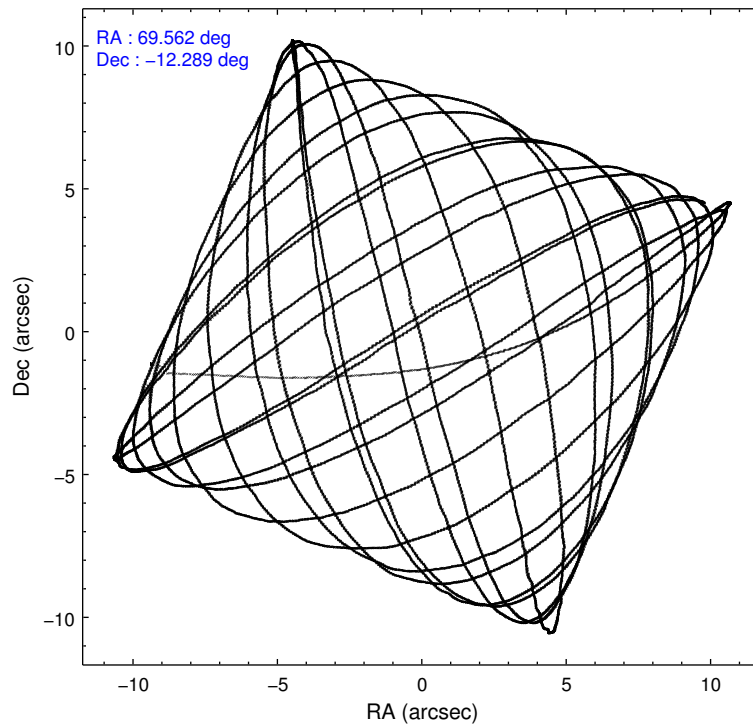
	ccd 7
level 1 events	65050
rejected events	36104
rejected %	55%

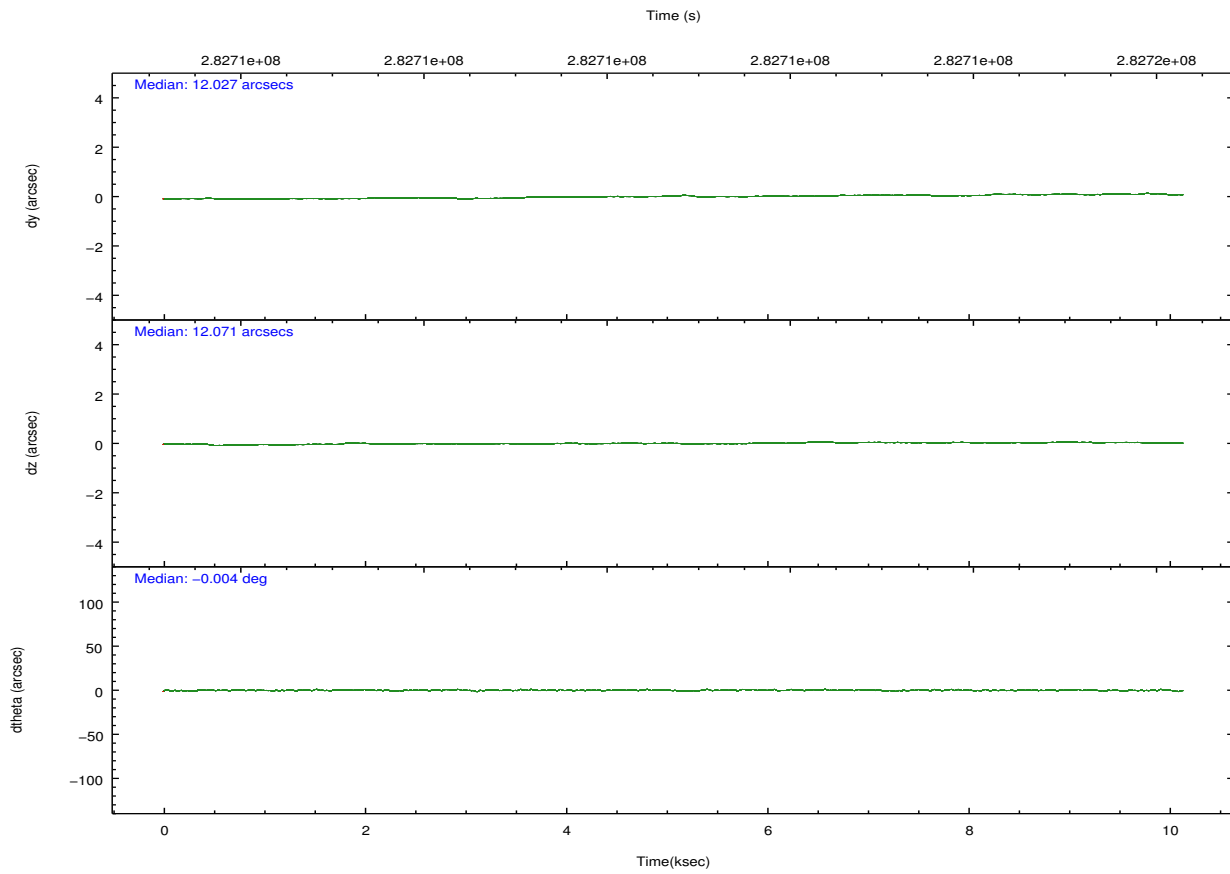
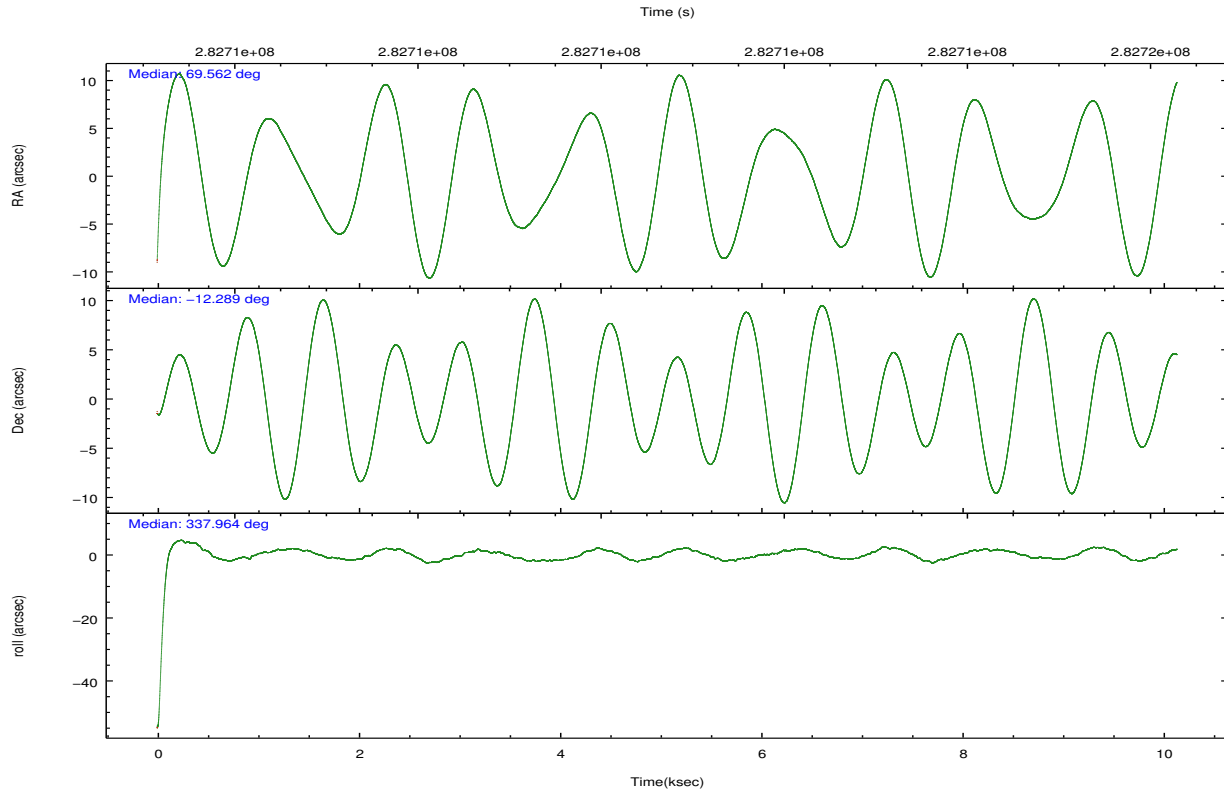
	ccd 7
grade 0 events	3812
	5%
grade 1 events	108
	0%
grade 2 events	7050
	10%
grade 3 events	3310
	5%
grade 4 events	3170
	4%
grade 5 events	7043
	10%
grade 6 events	15891
	24%
grade 7 events	24666
	37%

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	69.534656	69.56233927156713	Subarray requested	NONE	NONE
[deg] Pointing Dec	-12.293654	-12.28946462578292	Alternating exposures requested	N	N
[deg] Pointing Roll	337.805055	337.9675101336617	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	282705789.184000	282704087.78138			
Observation start date	2006-12-17T01:22:04	2006-12-17T00:54:47			
[s] Observation end time (MET)	282715789.184000	282717158.582			
Observation end date	2006-12-17T04:08:44	2006-12-17T04:32:38			
Read mode	TIMED	TIMED			

2.3 Aspect



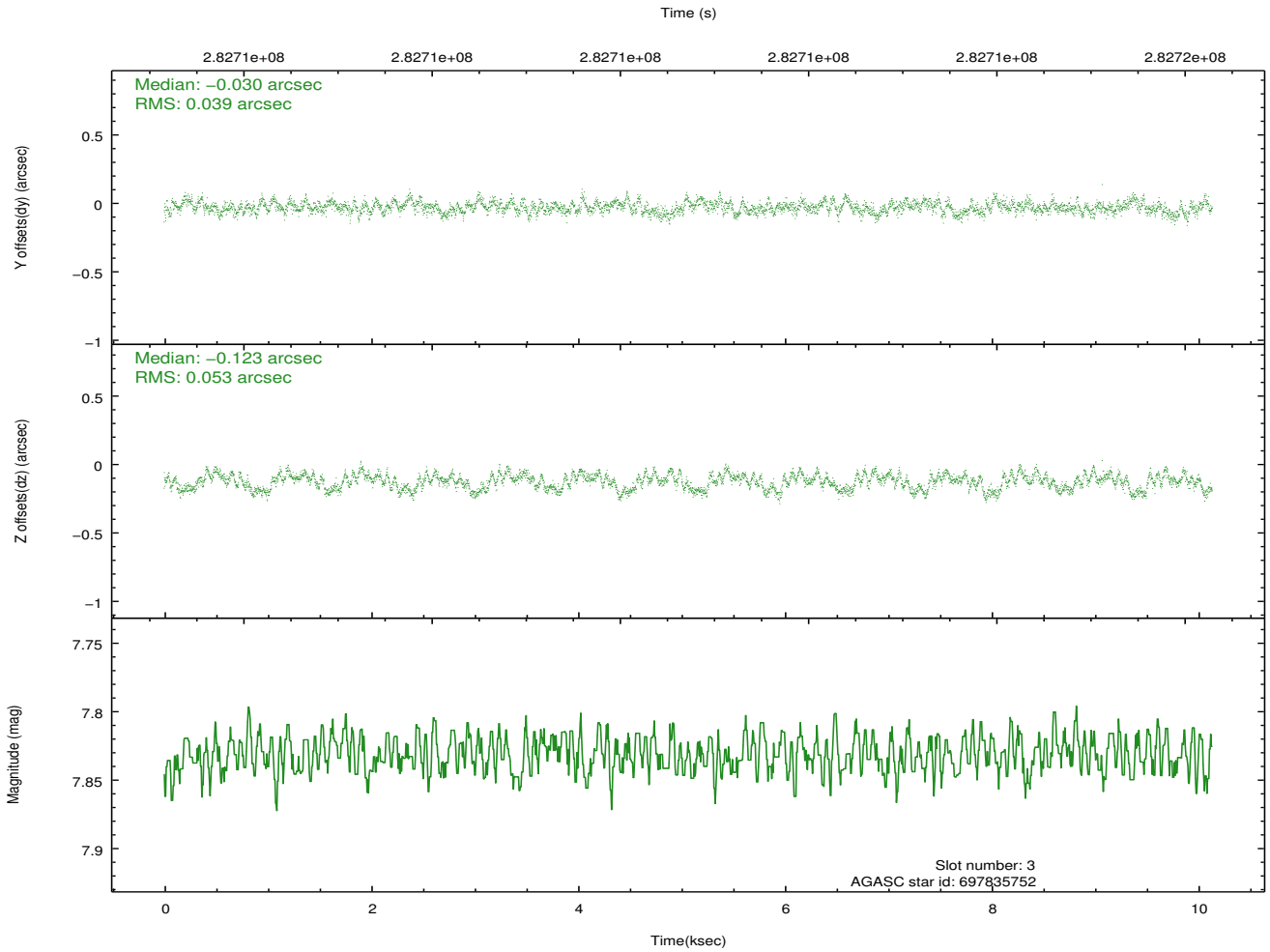
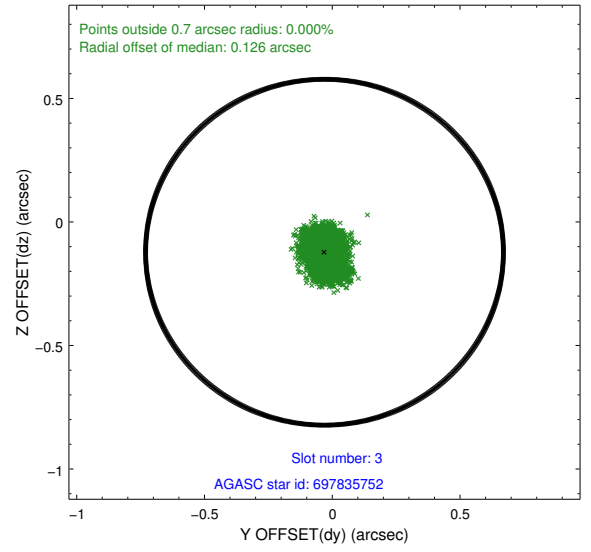
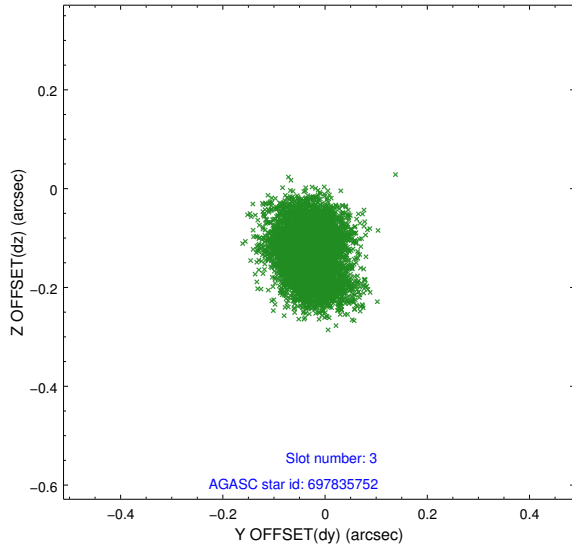


Slot Statistics

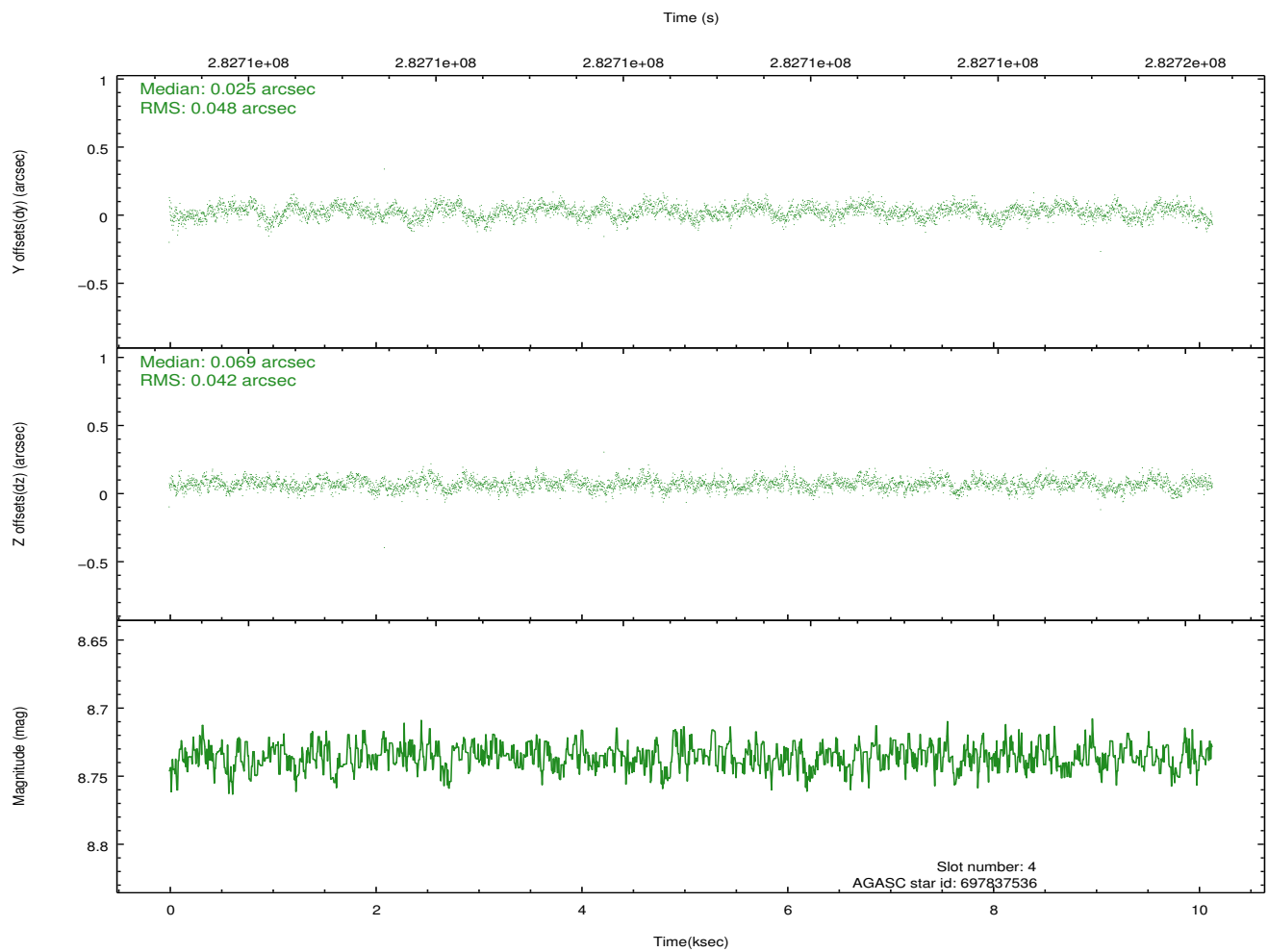
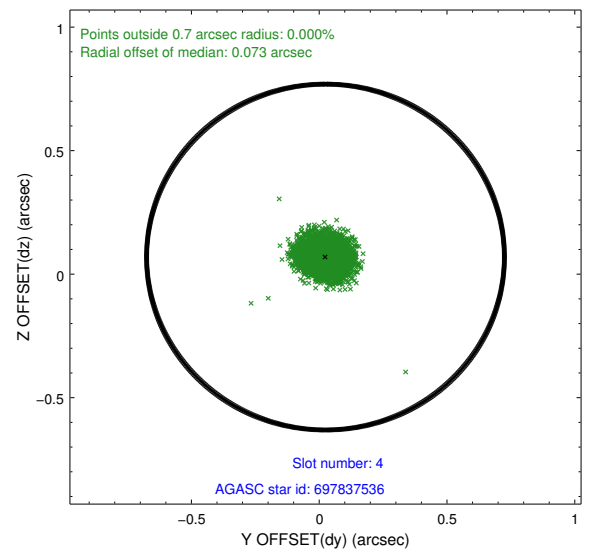
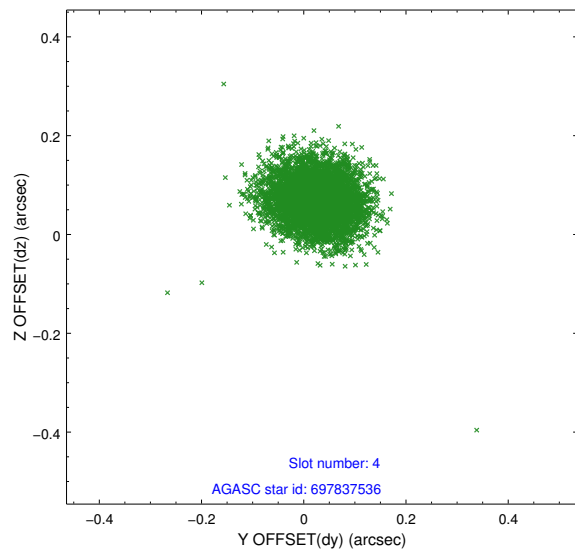
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	2473	-0.026	-0.035	0.007	0.012	0.000000	0.000000	-764.94	-1733.35
1	FID	ACIS-S-4	7.21	2473	0.123	0.022	0.006	0.011	0.000000	0.000000	2148.25	174.65
2	FID	ACIS-S-5	7.23	2473	-0.129	0.022	0.007	0.013	0.000000	0.000000	-1817.21	168.91
3	GUIDE	697835752	7.83	4944	-0.030	-0.123	0.072	0.111	69.312835	-12.164170	-898.19	136.46
4	GUIDE	697837536	8.74	4945	0.025	0.069	0.068	0.109	69.361544	-11.866636	-1145.26	1192.88
5	GUIDE	697837912	9.35	4943	0.044	0.064	0.086	0.139	70.091872	-12.106315	1562.11	1363.97
6	GUIDE	698220616	7.51	4945	-0.102	-0.033	0.064	0.103	69.313891	-12.560296	-354.92	-1181.86
7	GUIDE	698221568	8.62	4945	0.064	0.026	0.059	0.095	69.849031	-12.529974	1344.53	-371.31

2.4 Star Slots

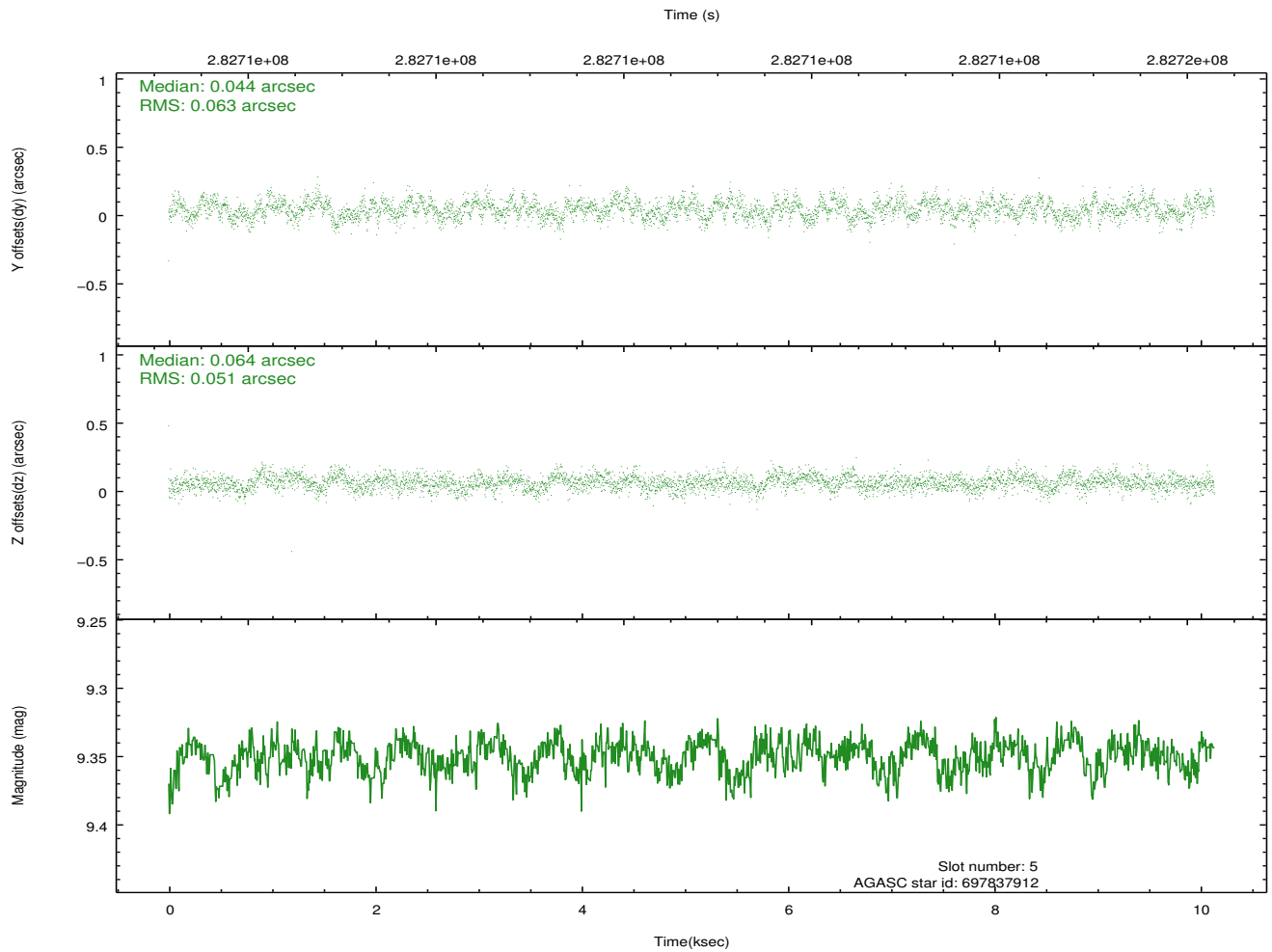
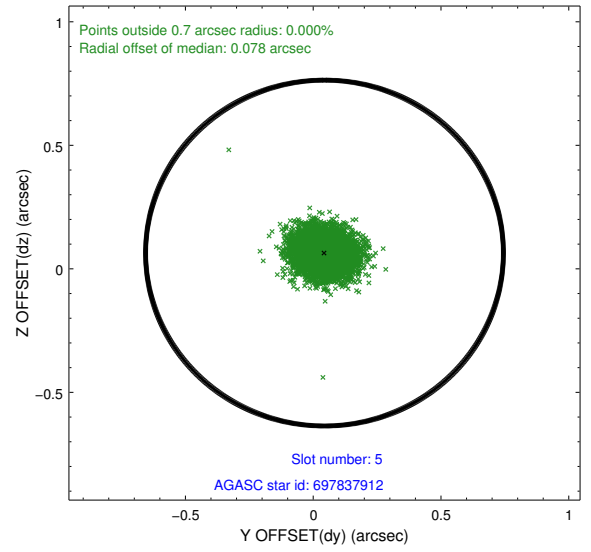
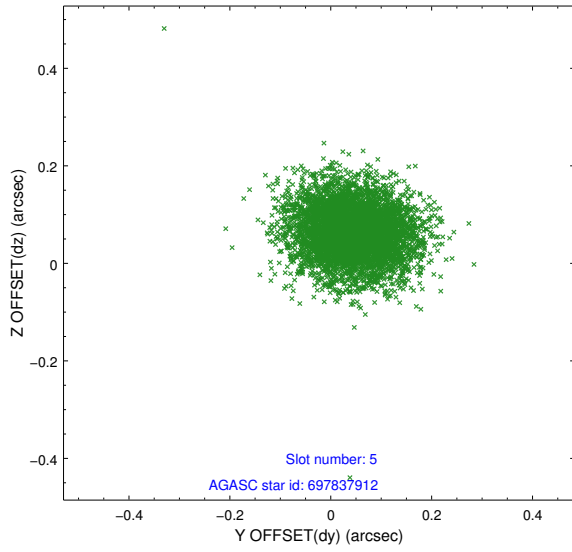
2.4.1 Slot 3



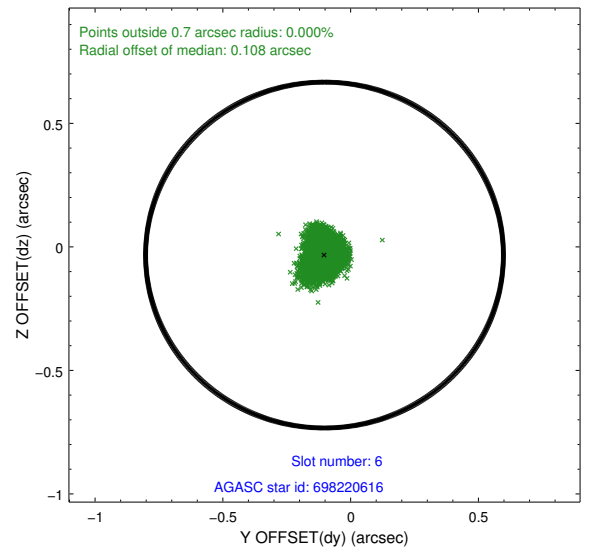
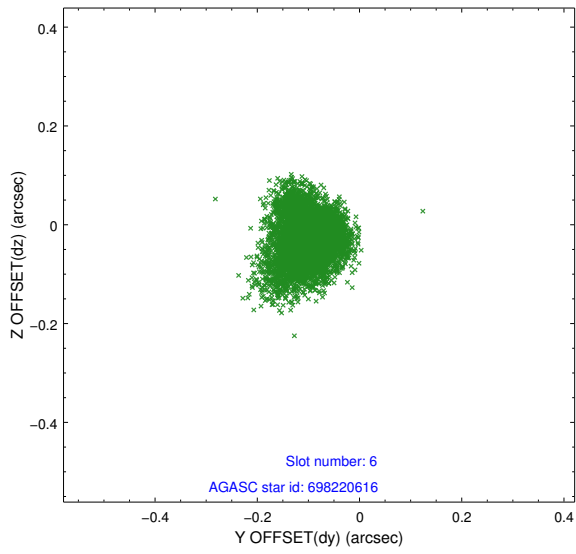
2.4.2 Slot 4



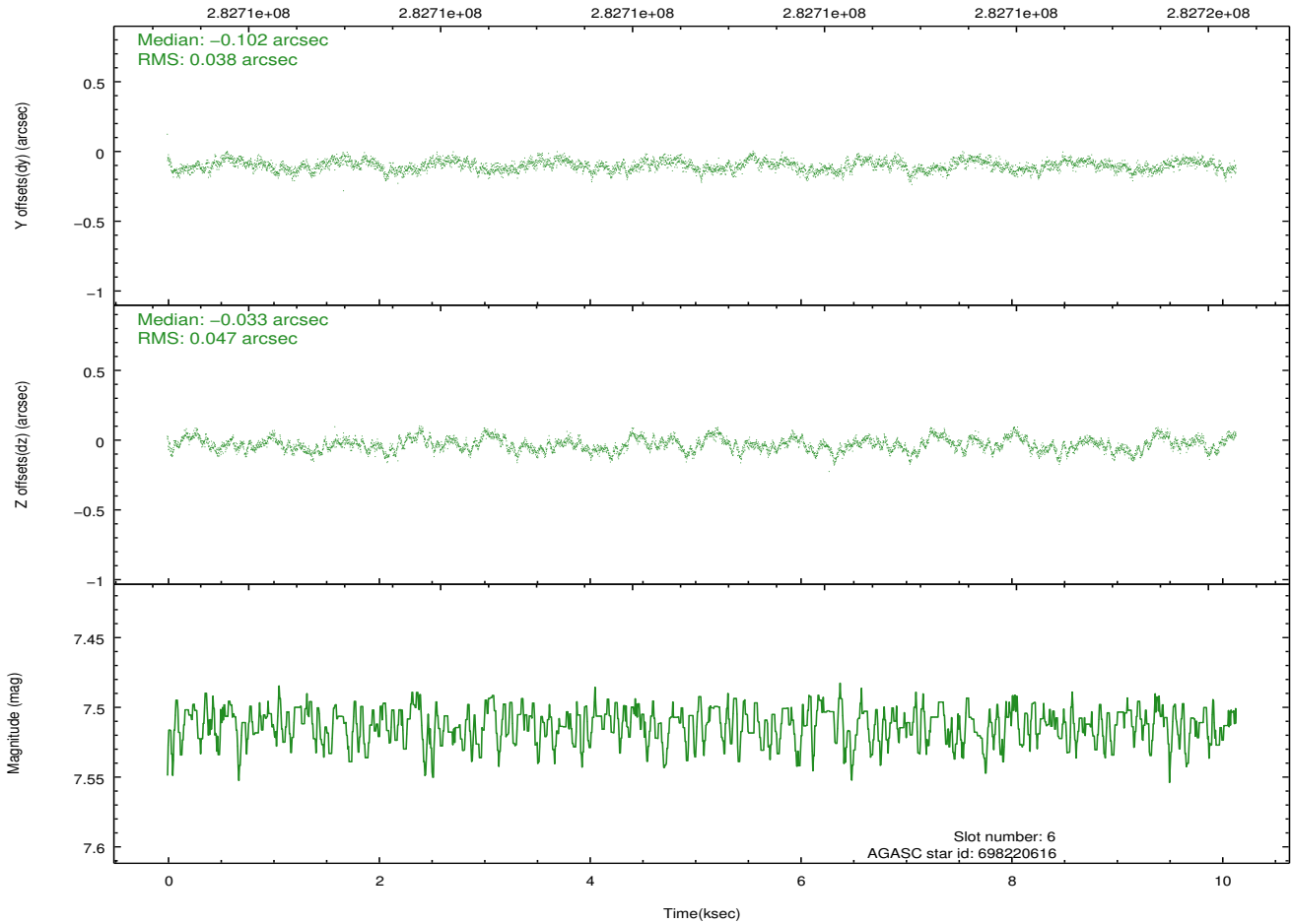
2.4.3 Slot 5



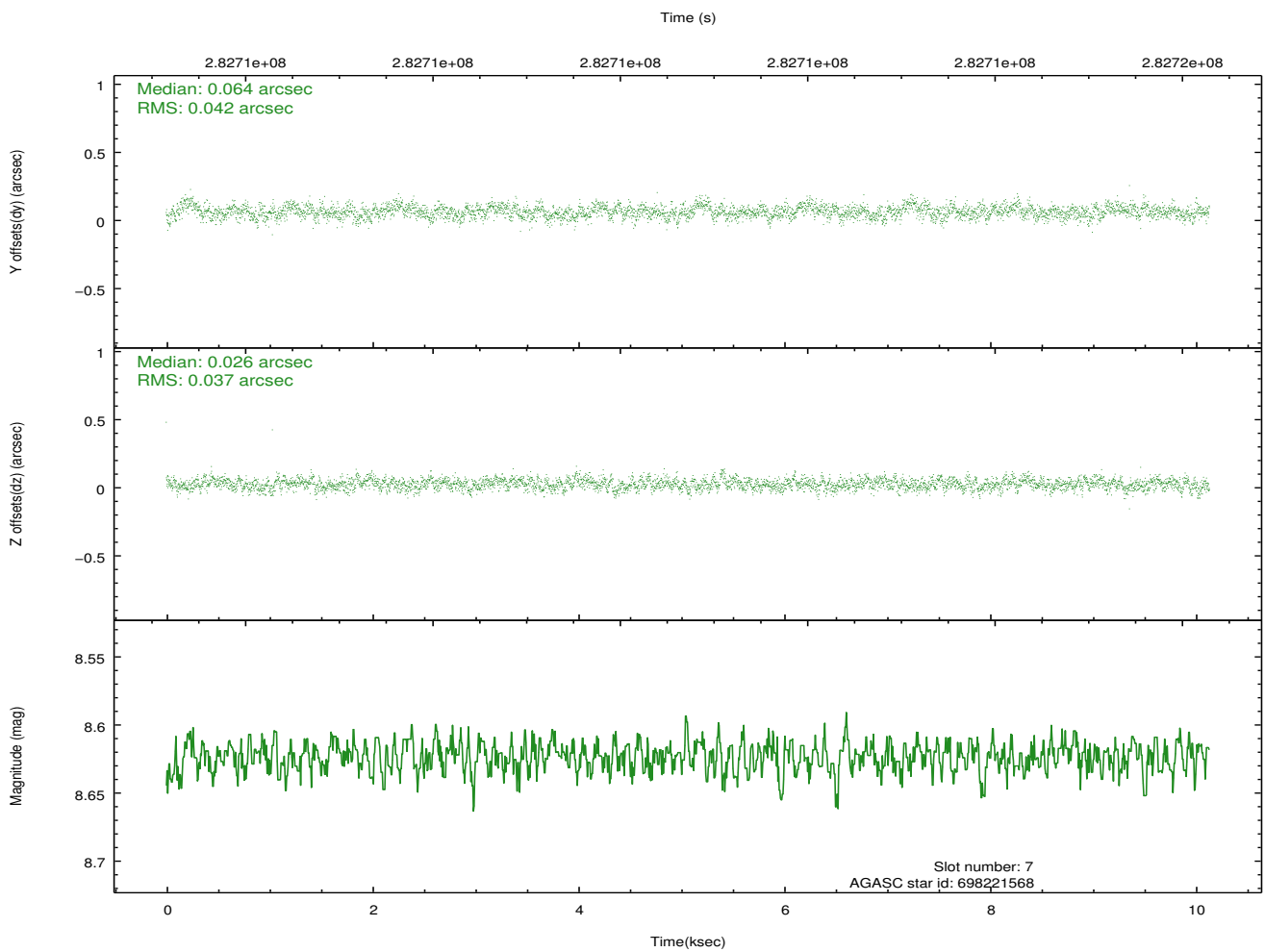
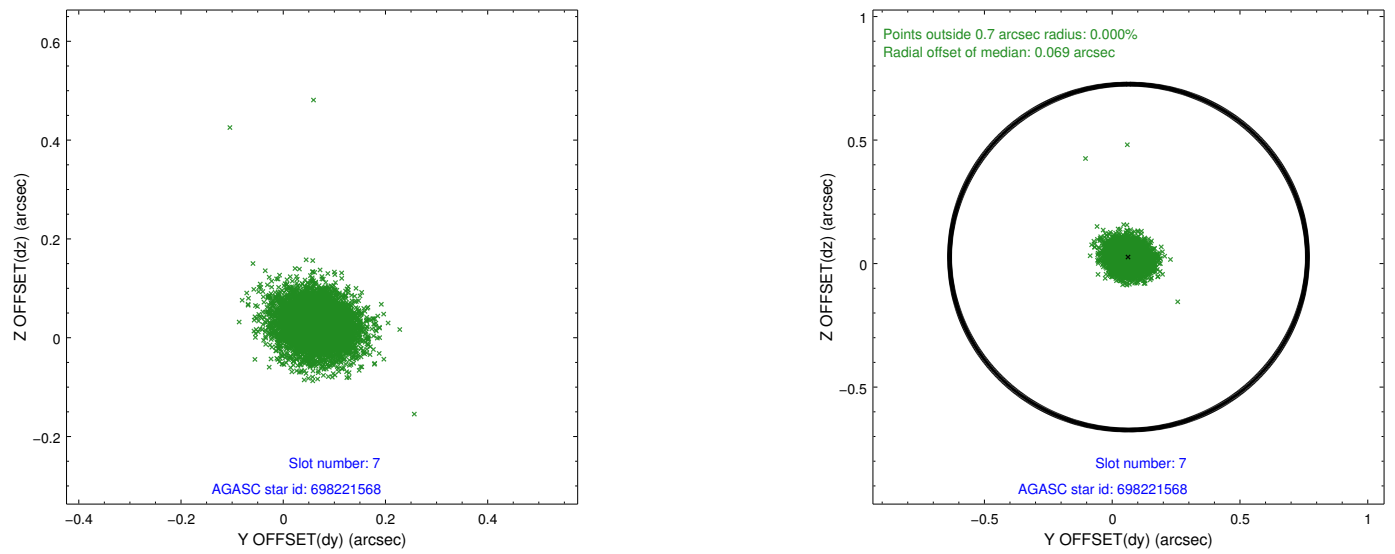
2.4.4 Slot 6



Time (s)

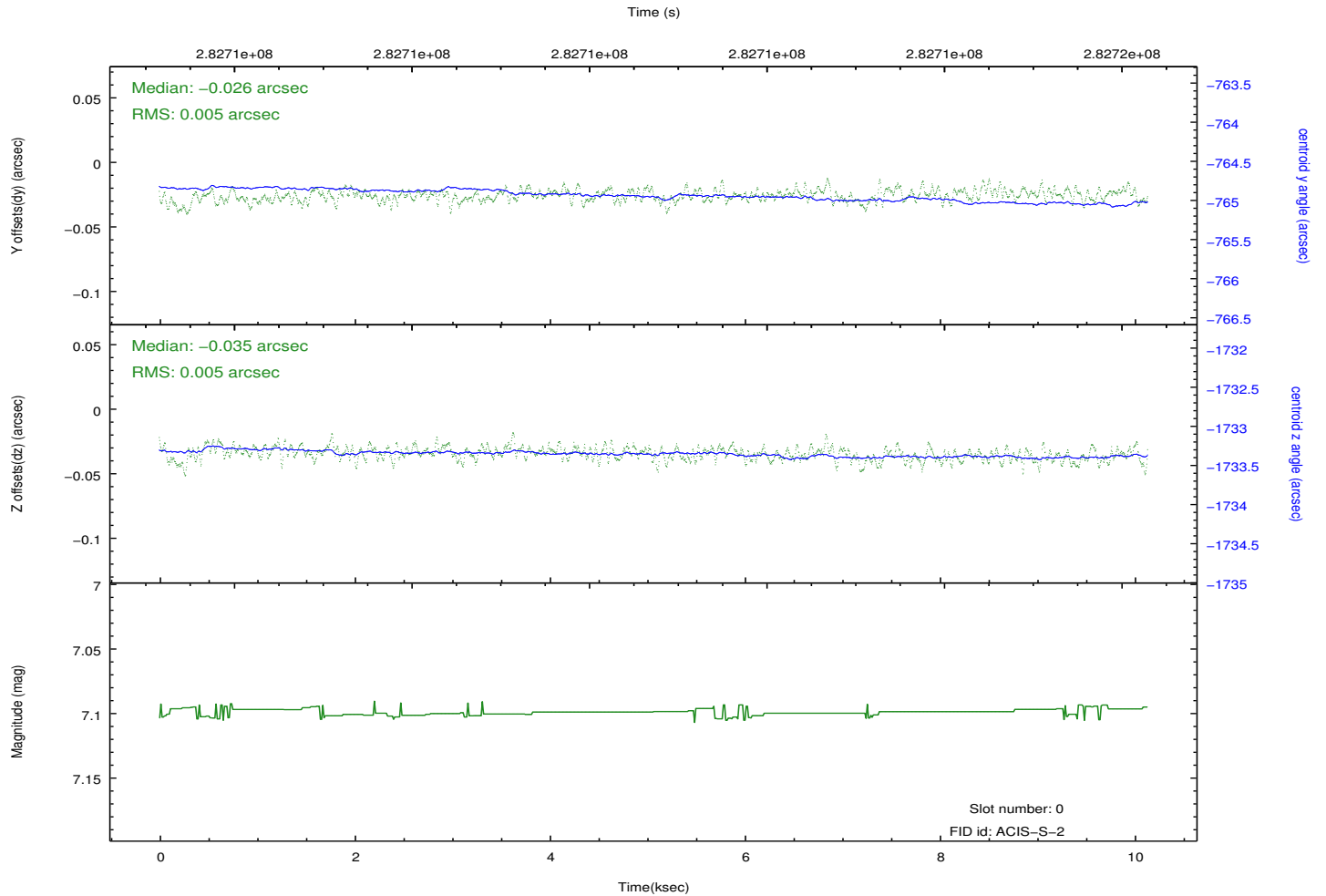
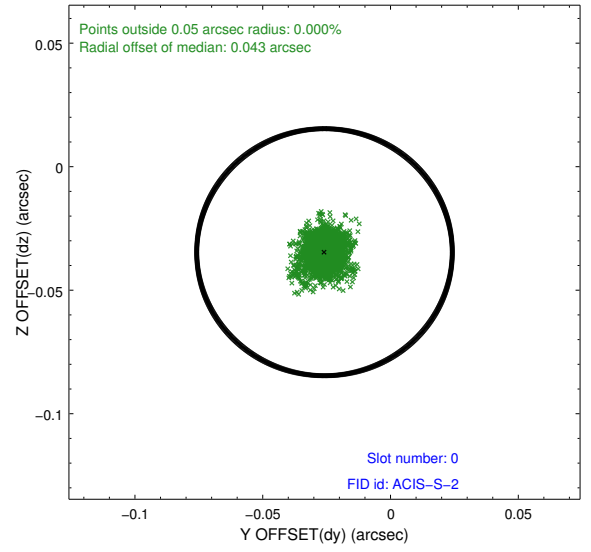
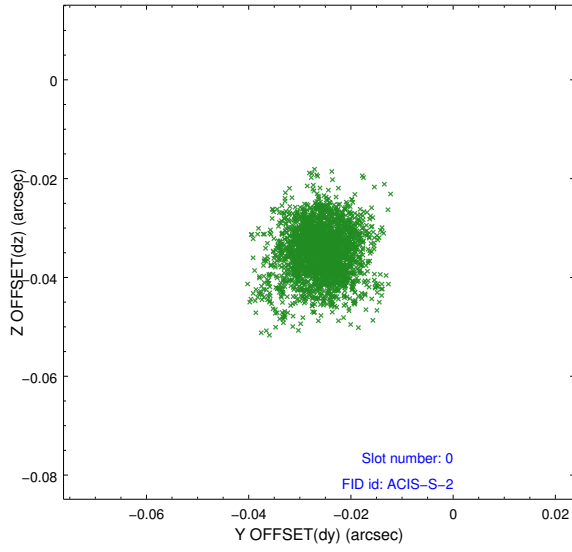


2.4.5 Slot 7

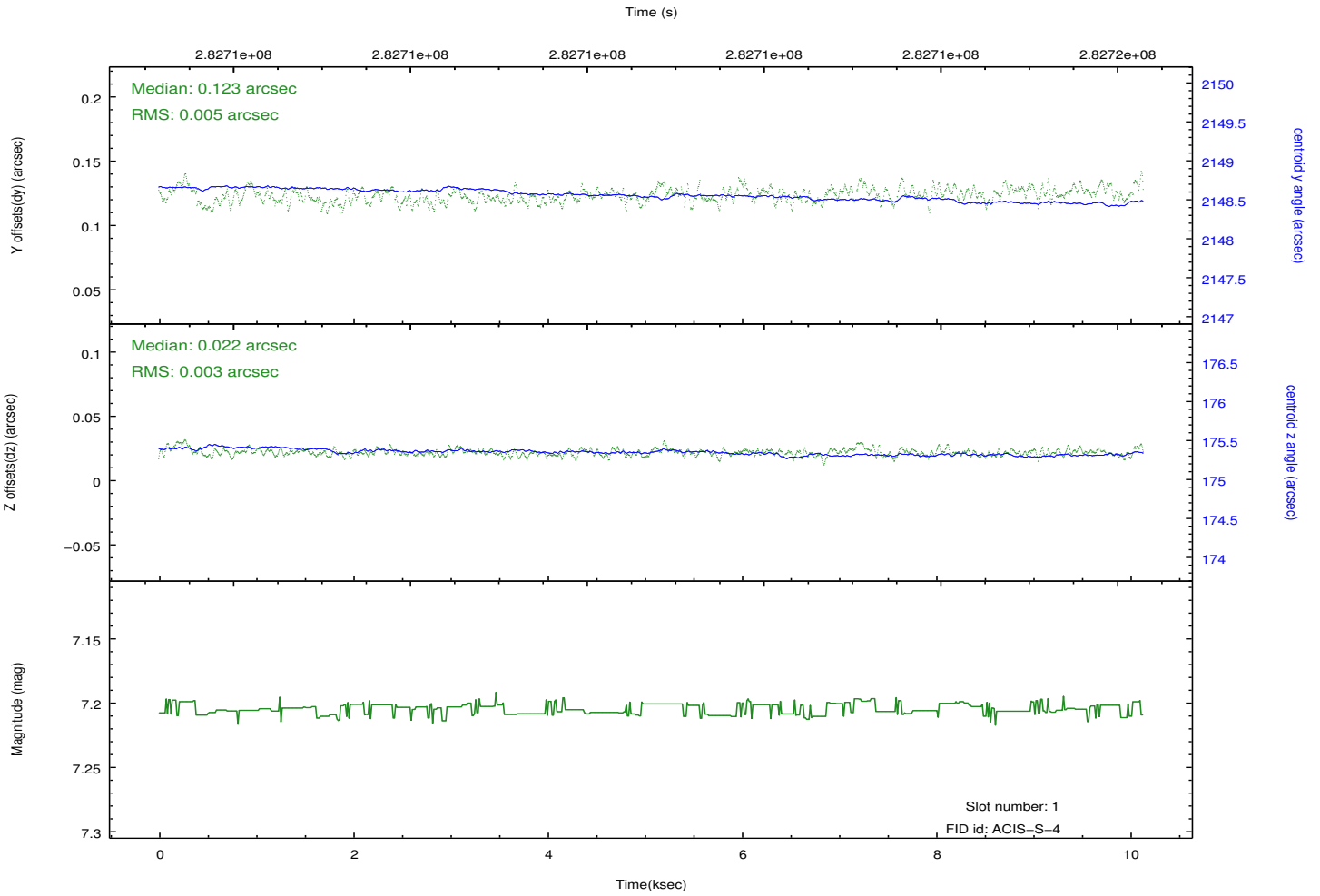
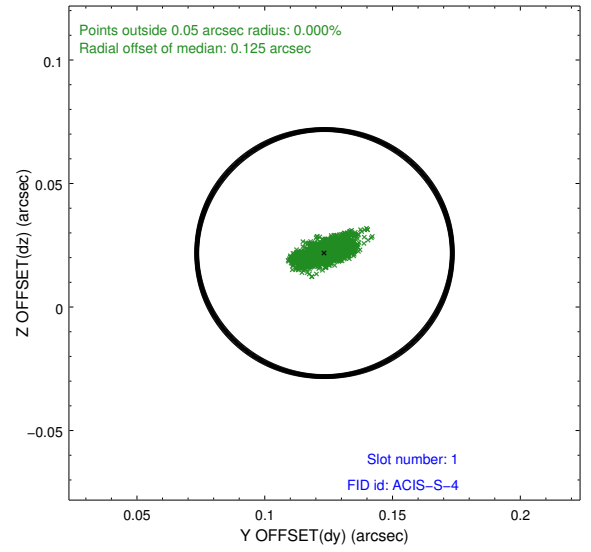
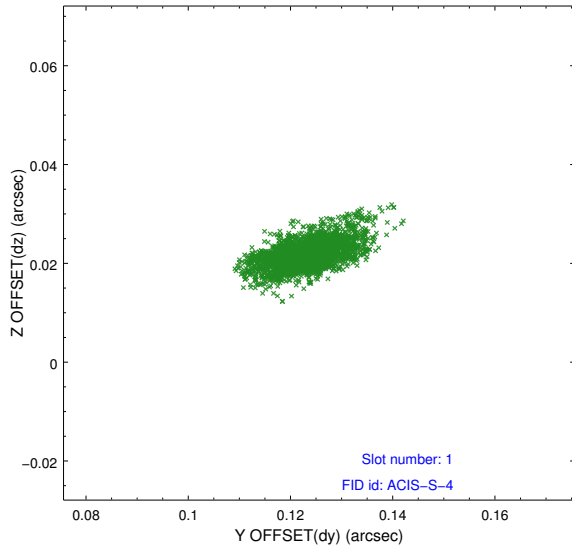


2.5 FID Slots

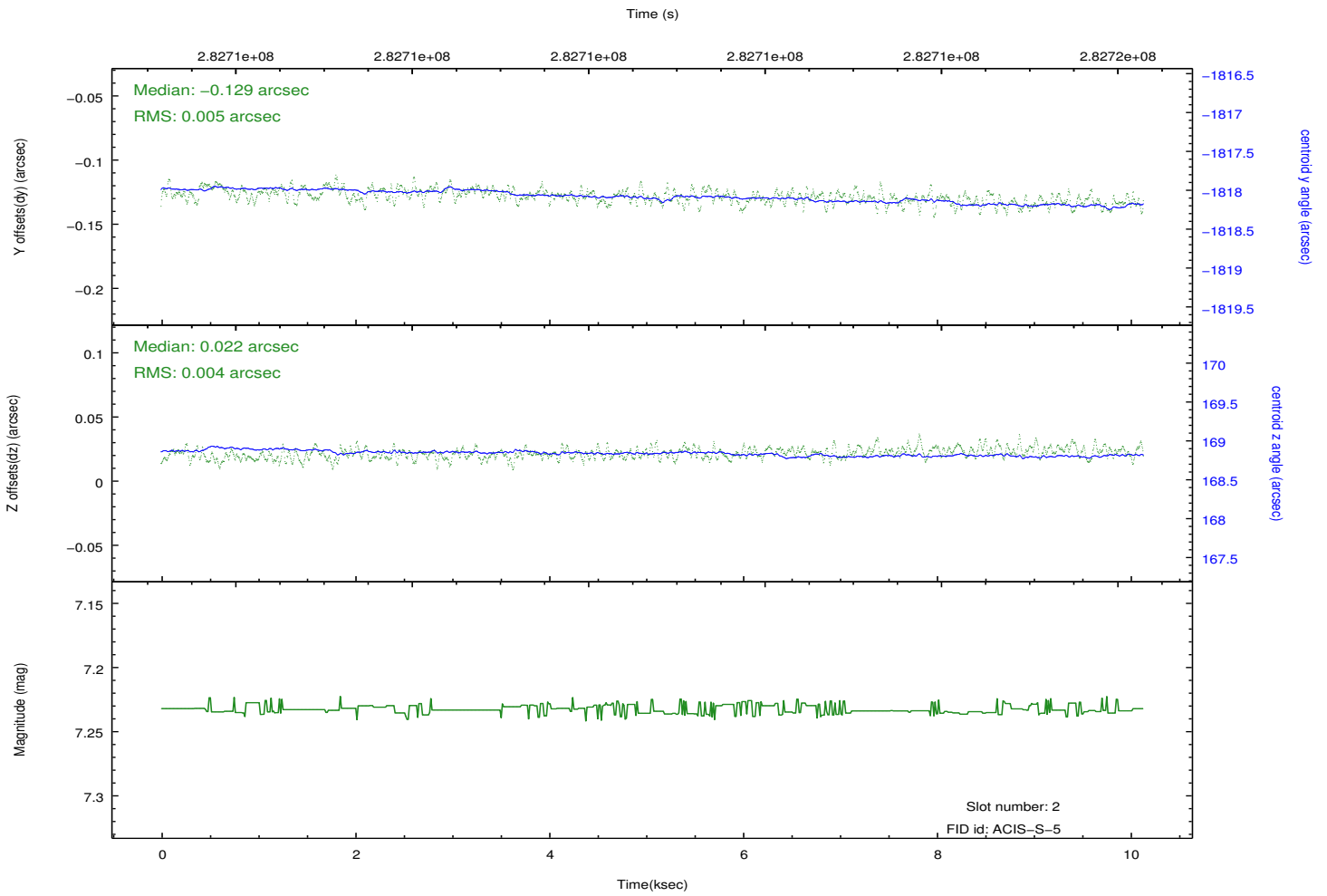
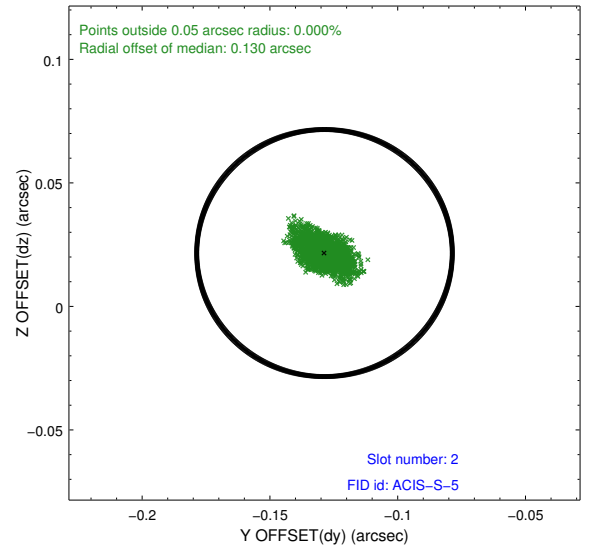
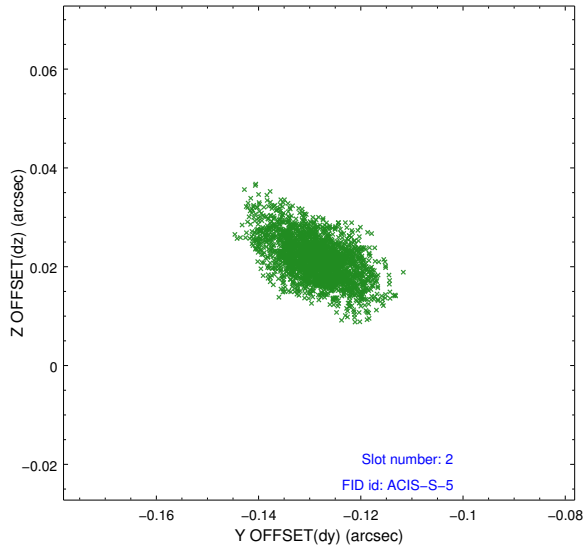
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.04.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.131

A.2 Comments