

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11797 - L2 Version 2
Chandra X-Ray Center

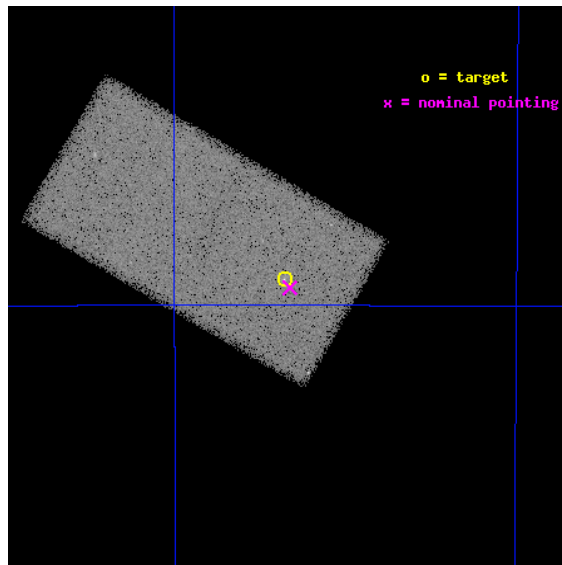
L2 Processing Date : Jun 18 2012

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1 Front

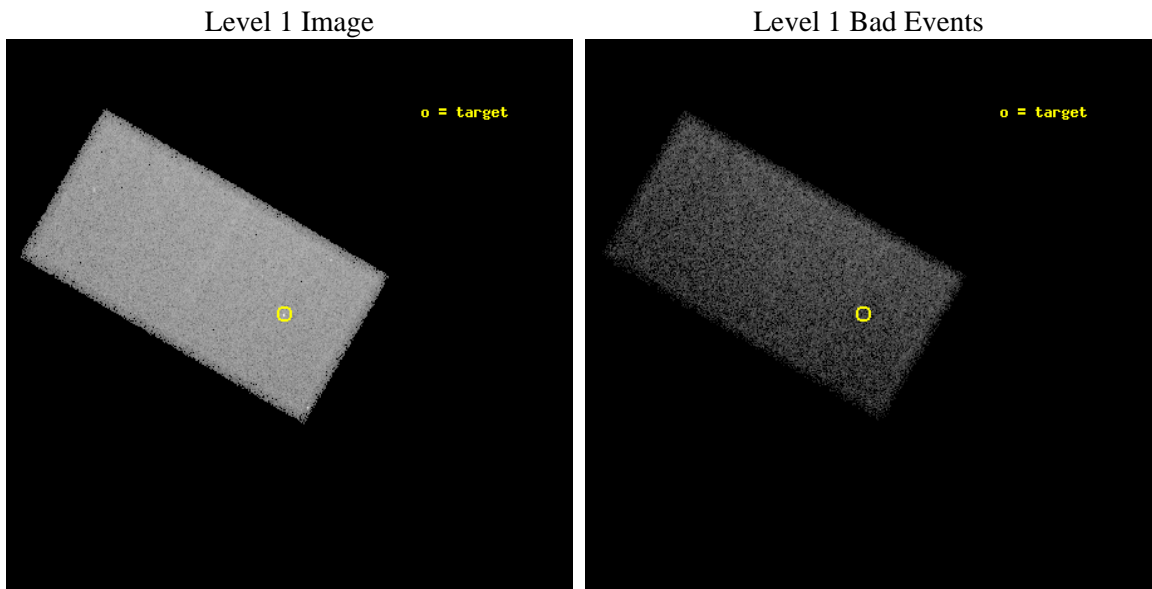
seq_num	600731	Sequence number
obs_id	11797	Observation id
title	Merger-Induced X-ray Emission in the Superantennae	Proposal title
observer	Dr. Andrew Ptak	Principal investigator
object	Superantennae	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	292.839167	Observer's specified target RA [deg]
dec_targ	-72.655	Observer's specified target Dec [deg]
ra_nom	292.83148447506	Nominal RA [deg]
dec_nom	-72.659275010182	Nominal Dec [deg]
roll_nom	210.14930308743	Nominal Roll [deg]
revision	2	Processing version of data
ontime	36118.5	Sum of GTIs [s]
liveltime	35156.615013238	Livetime [s]
ontime7	36118.5	Sum of GTIs [s]
l2events	117742	Number of level 2 events



2 OBI

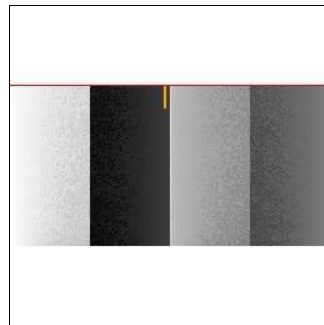
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	36000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	36118.5	Sum of GTIs [s]
caldbver	4.4.10	 	ontime7	36118.5	Sum of GTIs [s]
date	2012-06-18T08:40:53	Date and time of file creation	l1events	286167	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

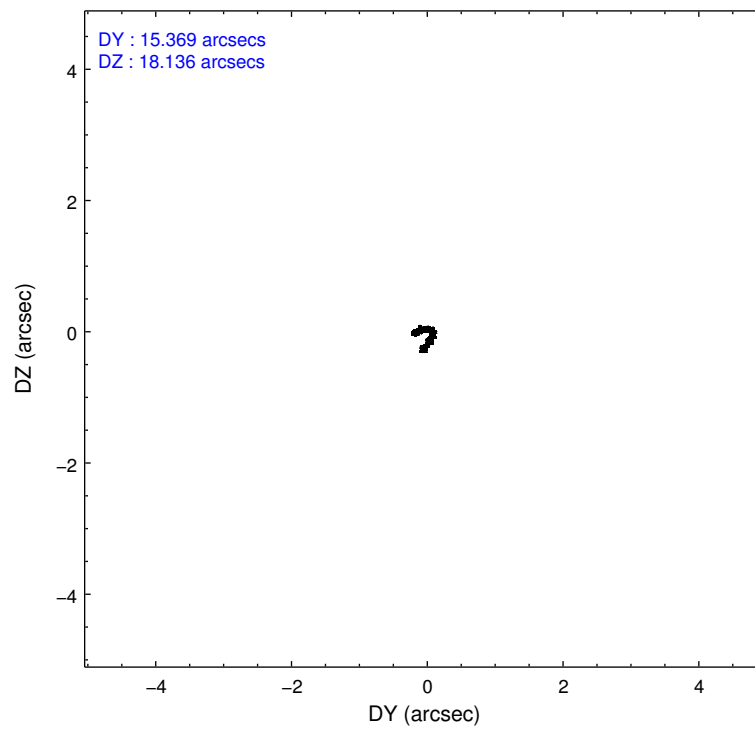
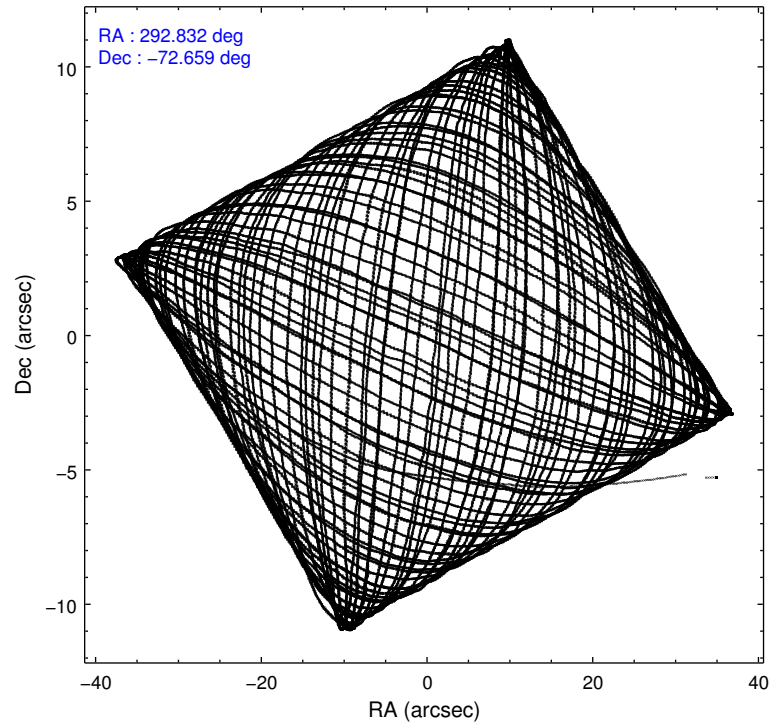
	ccd 7
level 1 events	286167
rejected events	165342
rejected %	57%

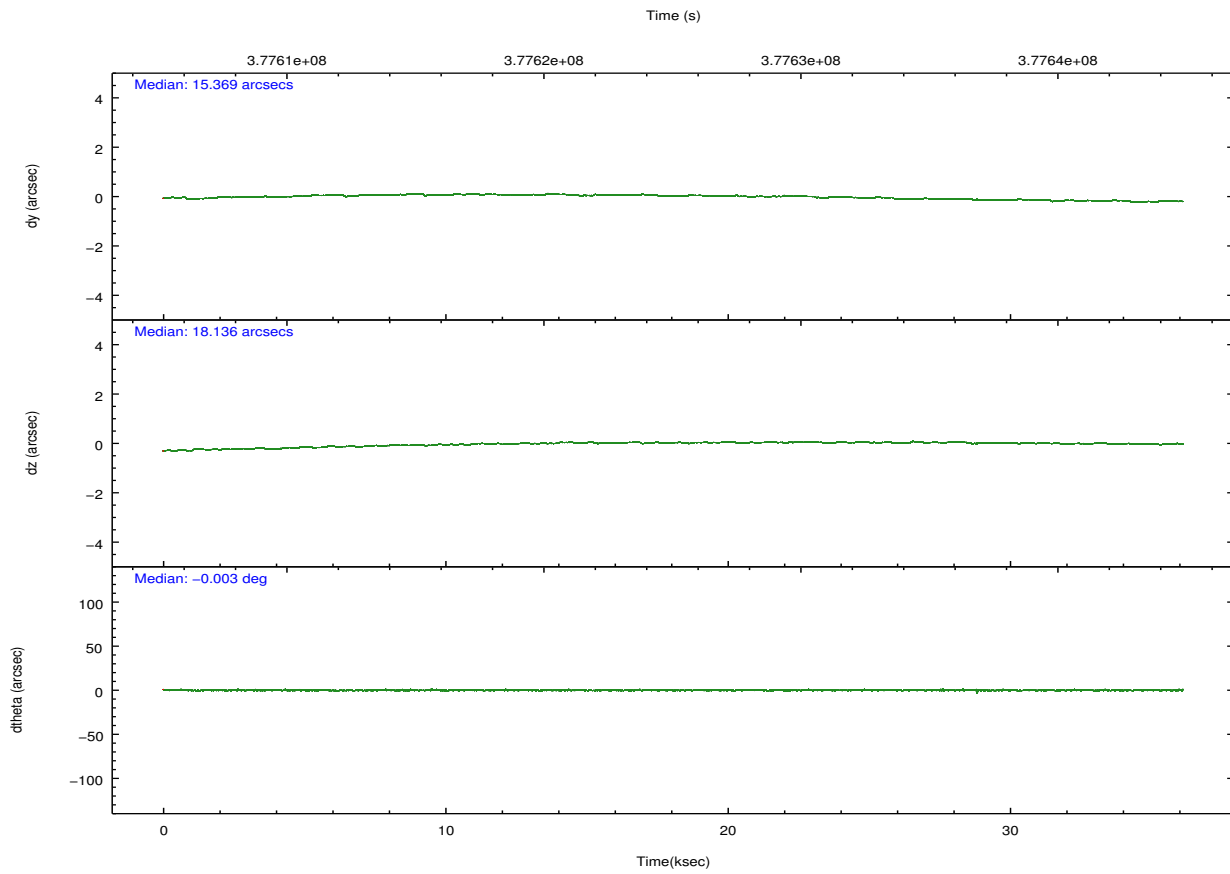
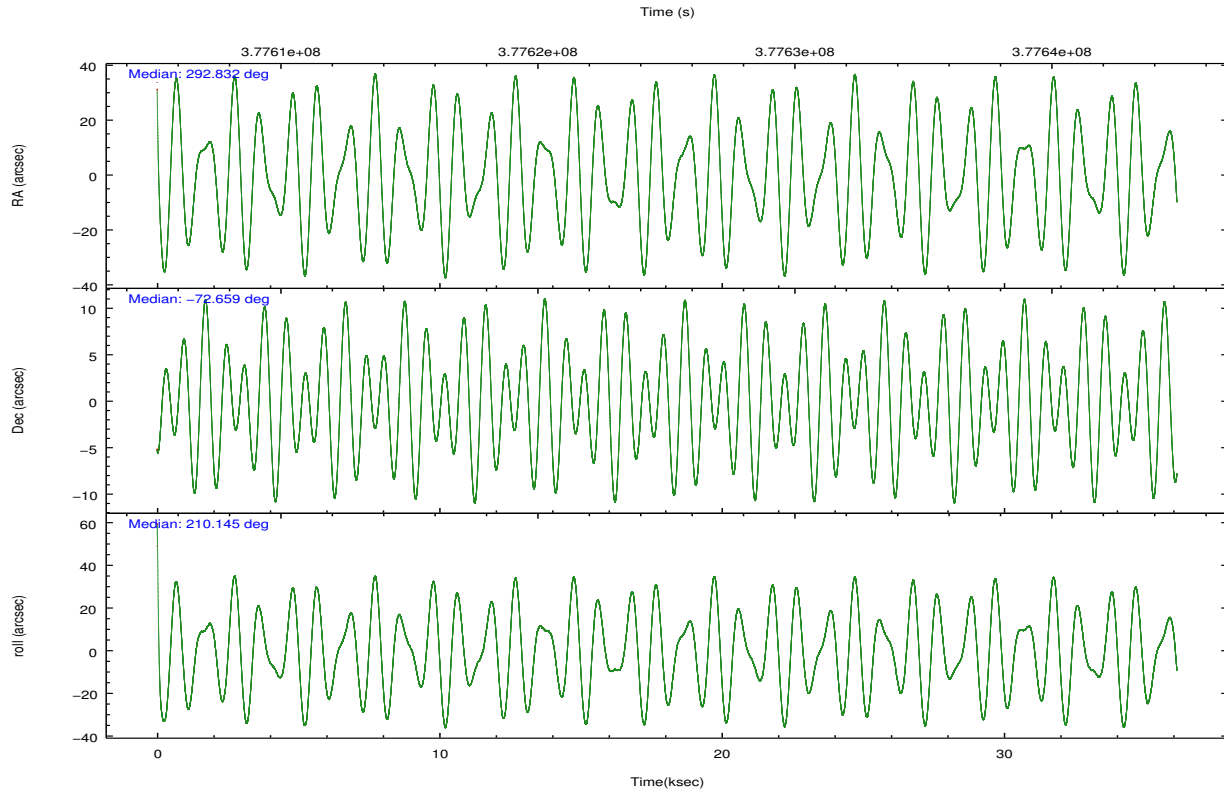
	ccd 7
grade 0 events	11770
	4%
grade 1 events	333
	0%
grade 2 events	26306
	9%
grade 3 events	12120
	4%
grade 4 events	12021
	4%
grade 5 events	27064
	9%
grade 6 events	64077
	22%
grade 7 events	132476
	46%

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	292.875997	292.8314844750588	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	-72.635377	-72.65927501018183	Subarray start row	257	257
[deg] Pointing Roll	210.035156	210.1493030874275	Subarray row count	512	512
[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	1.5
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	377607082.184000	377605310.04432			
Observation start date	2009-12-19T10:50:16	2009-12-19T10:21:50			
[s] Observation end time (MET)	377643082.184000	377644417.89629			
Observation end date	2009-12-19T20:50:16	2009-12-19T21:13:37			
Read mode	TIMED	TIMED			

2.3 Aspect



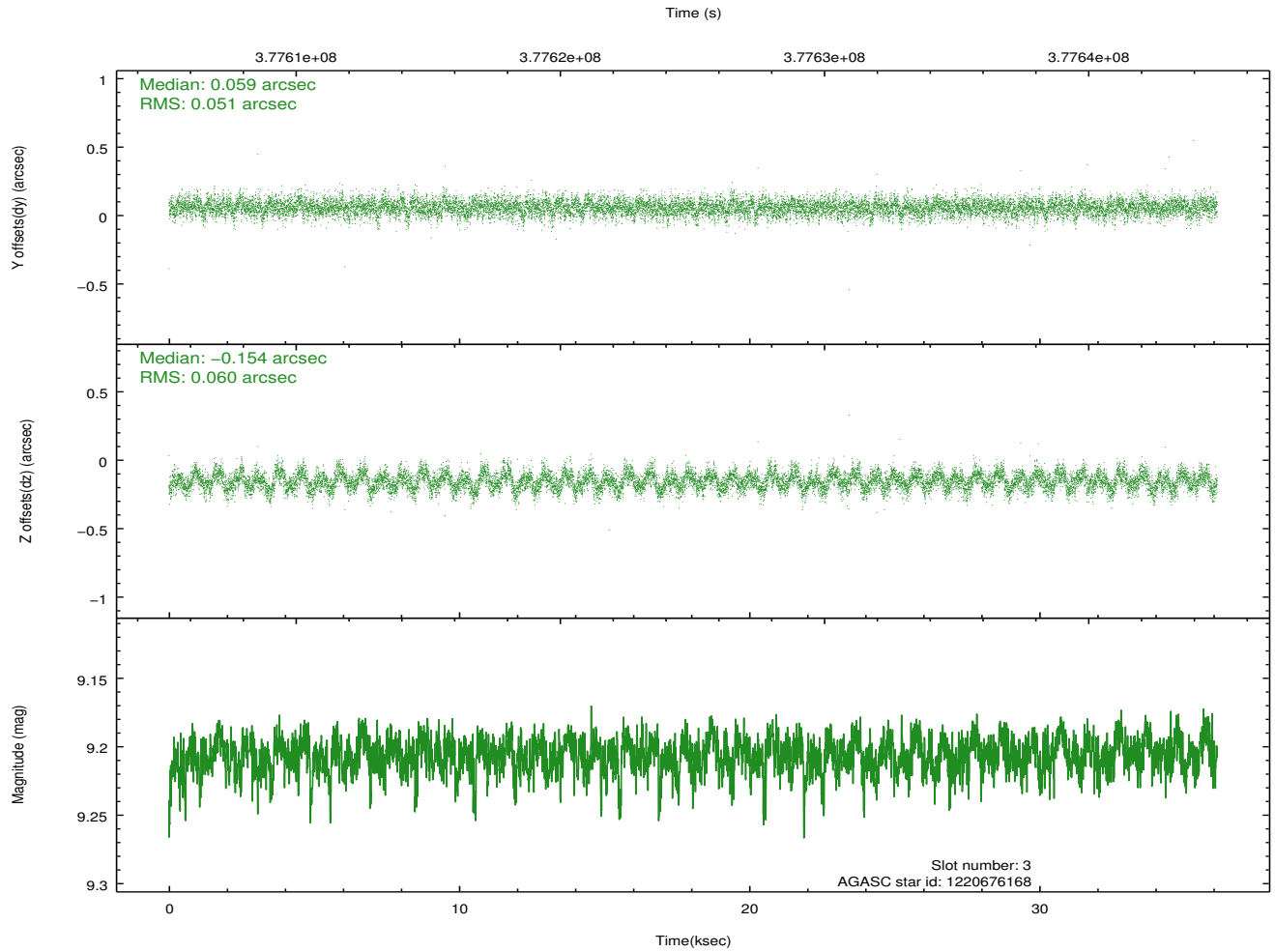
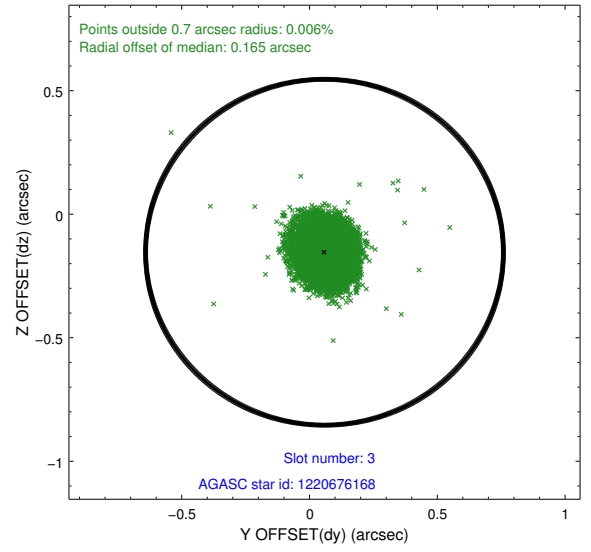
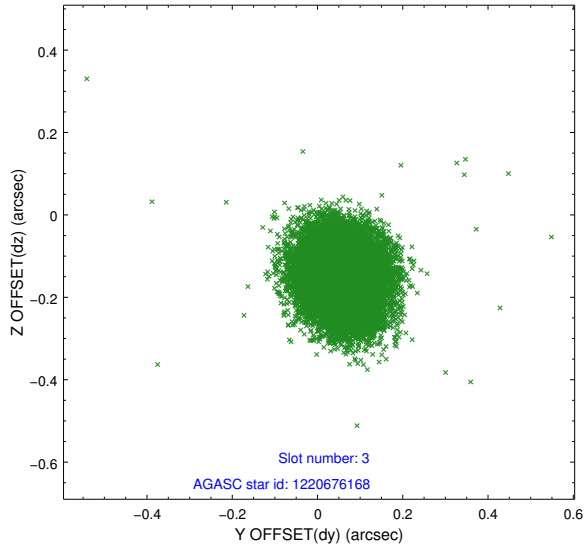


Slot Statistics

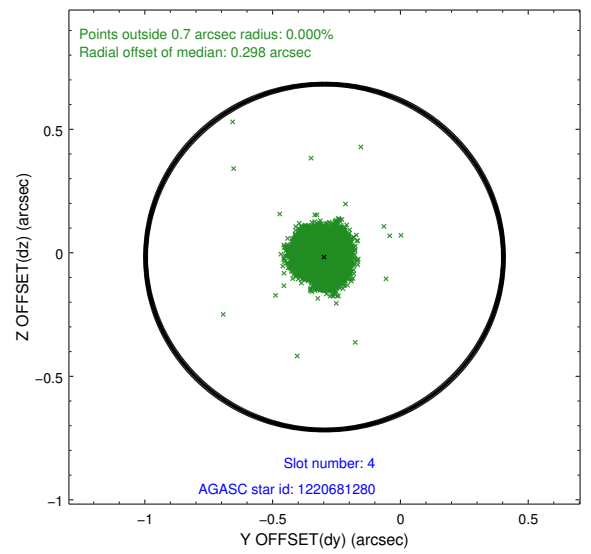
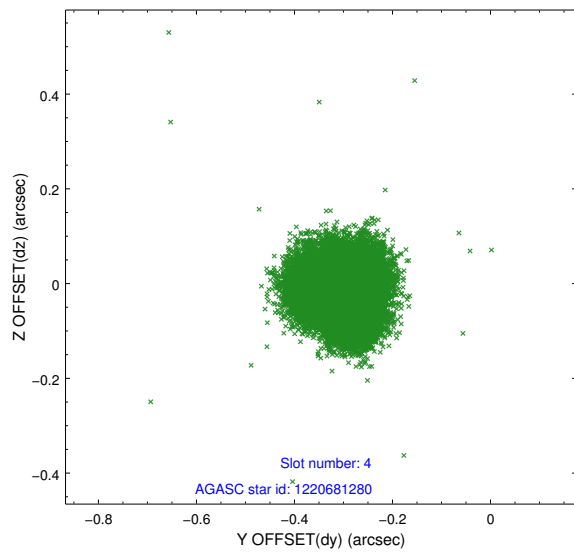
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.86	8810	-0.063	-0.033	0.007	0.011	0.000000	0.000000	-768.43	-1739.52
1	FID	ACIS-S-4	6.95	8811	0.150	0.039	0.006	0.010	0.000000	0.000000	2145.09	168.92
2	FID	ACIS-S-5	6.98	8810	-0.118	0.002	0.006	0.010	0.000000	0.000000	-1821.24	162.69
3	GUIDE	1220676168	9.21	17600	0.059	-0.154	0.083	0.135	290.888048	-72.413188	1489.90	-1743.19
4	GUIDE	1220681280	8.40	17608	-0.297	-0.017	0.072	0.113	293.313249	-72.100490	-1381.42	-1423.21
5	GUIDE	1221198432	9.05	17606	-0.104	-0.189	0.094	0.146	292.771774	-73.144093	1011.09	1531.28
6	GUIDE	1220685504	7.37	17618	0.280	0.412	0.068	0.108	292.045880	-73.090627	1576.55	990.00
7	GUIDE	1220676208	9.23	17604	0.066	-0.050	0.102	0.171	292.467232	-71.973323	-796.95	-2289.64

2.4 Star Slots

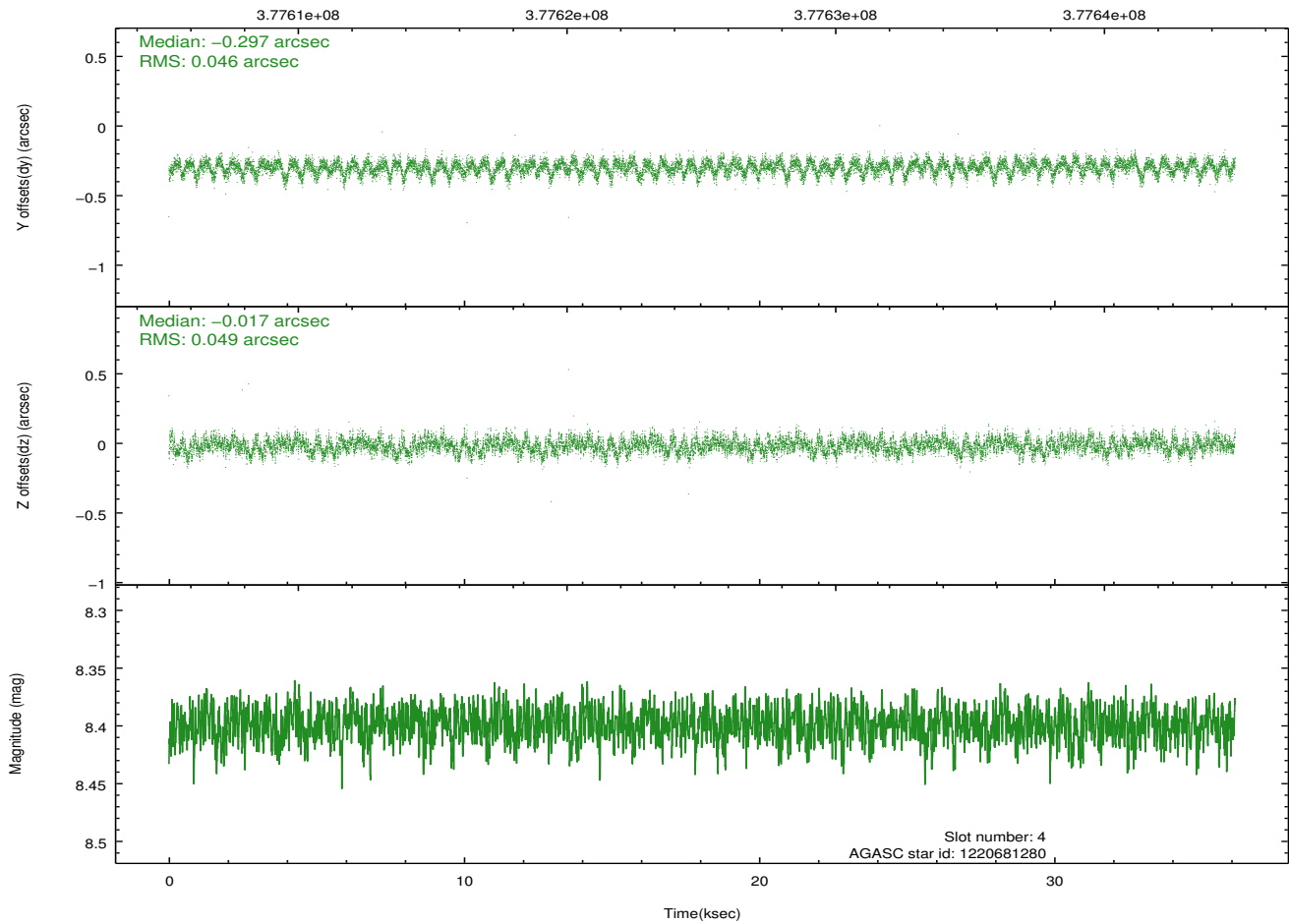
2.4.1 Slot 3



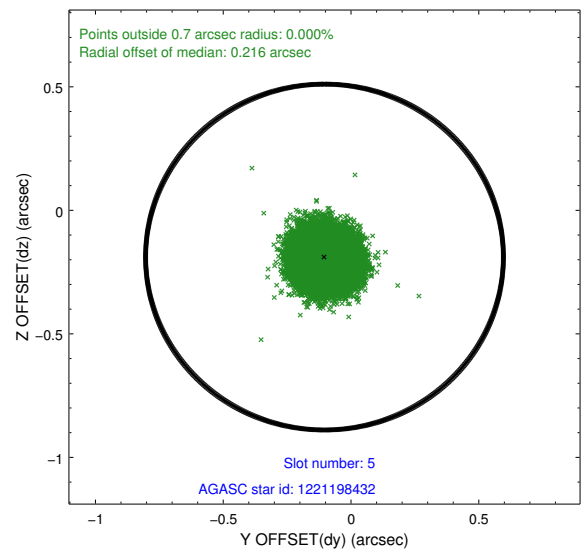
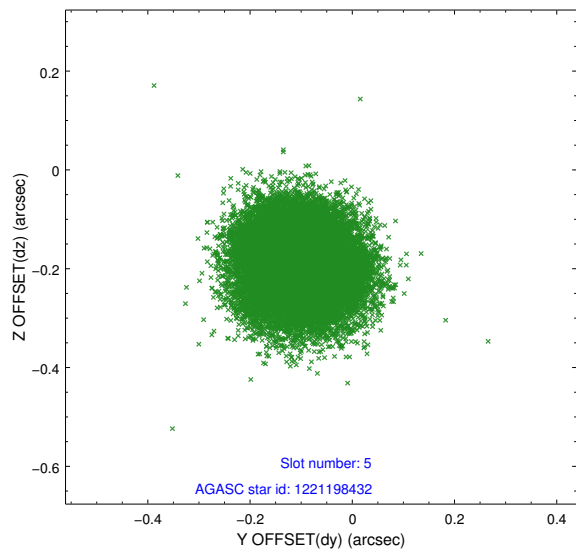
2.4.2 Slot 4



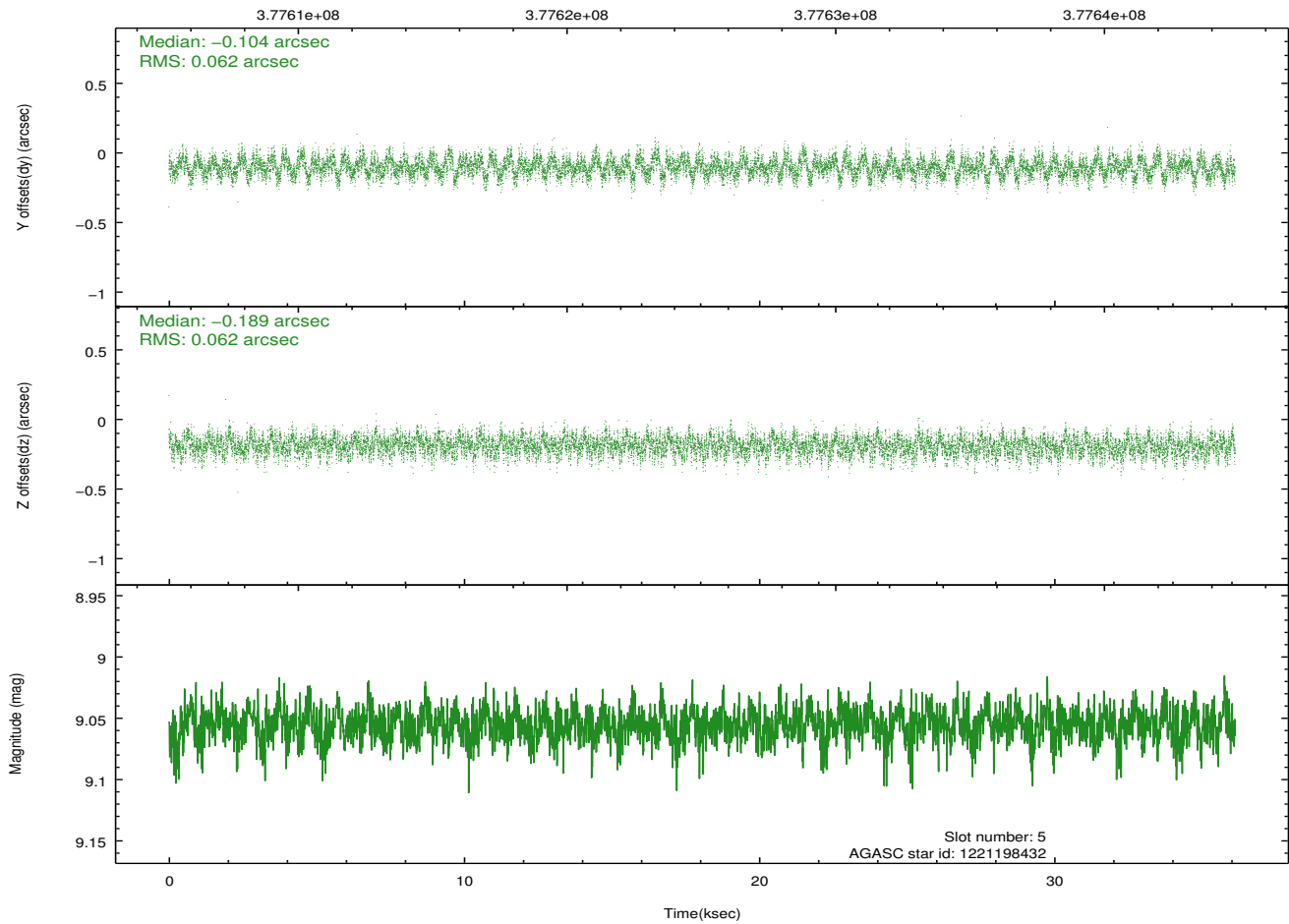
Time (s)



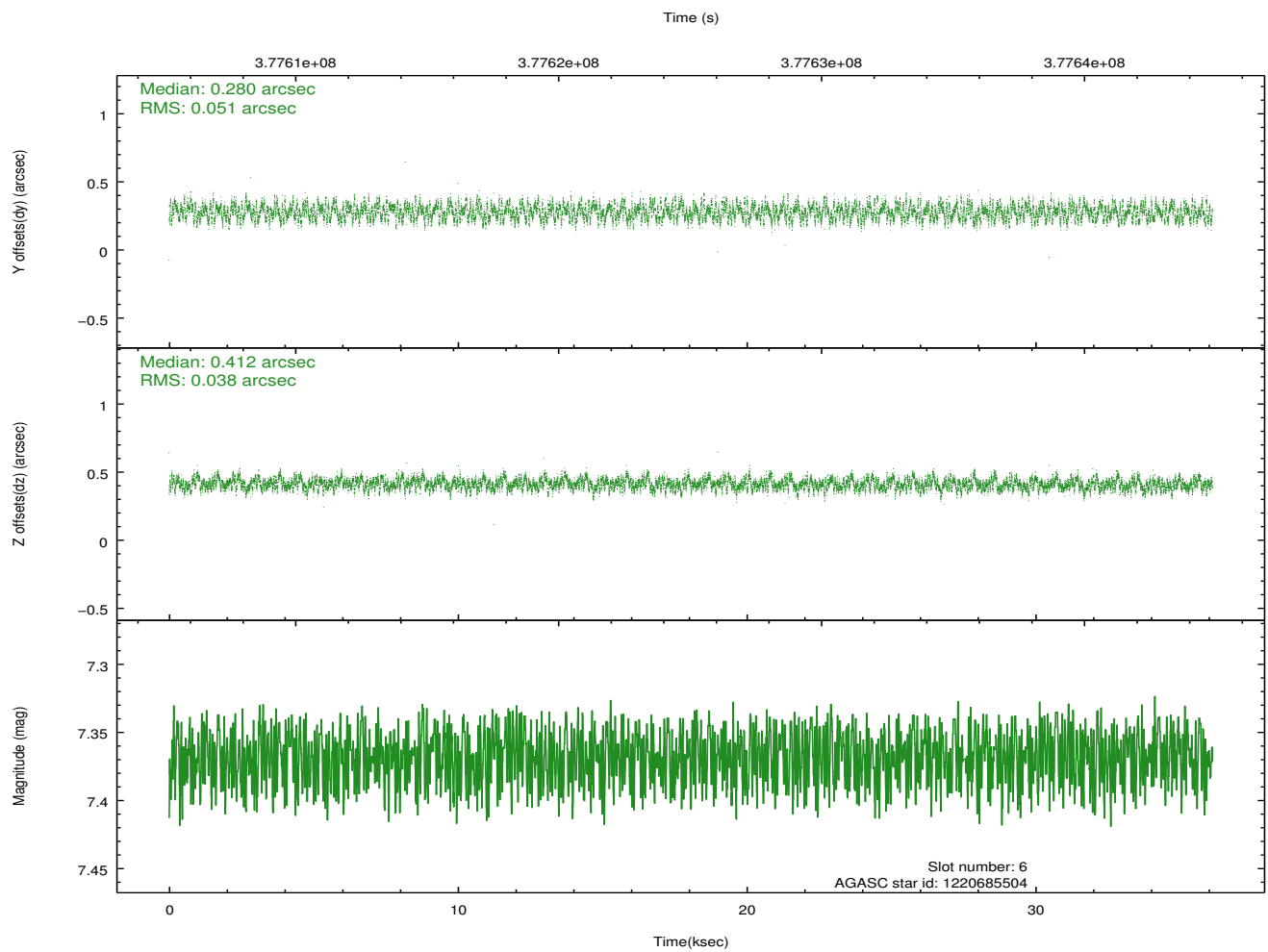
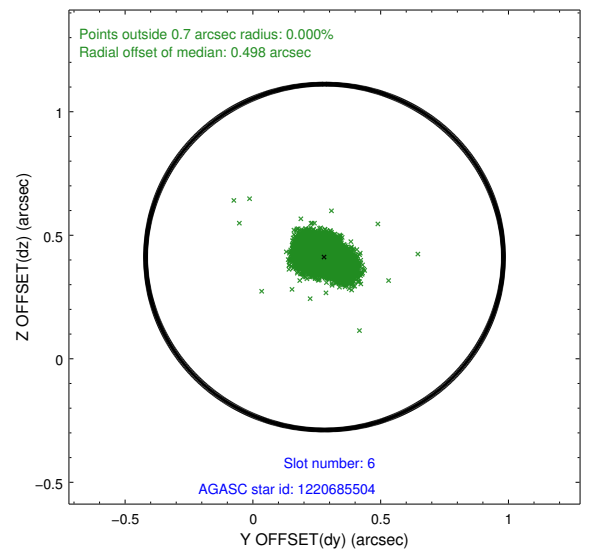
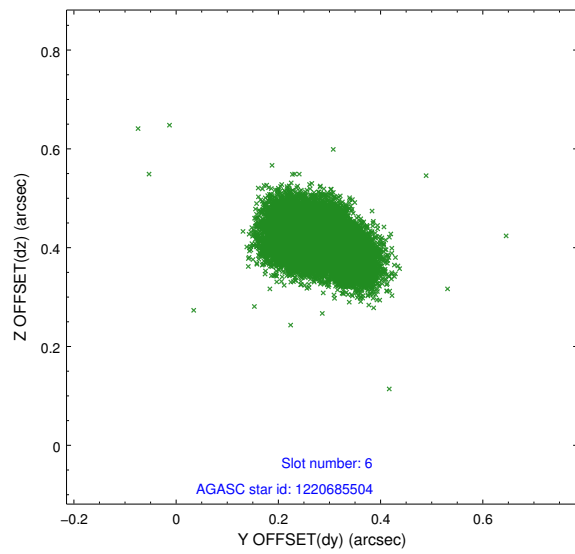
2.4.3 Slot 5



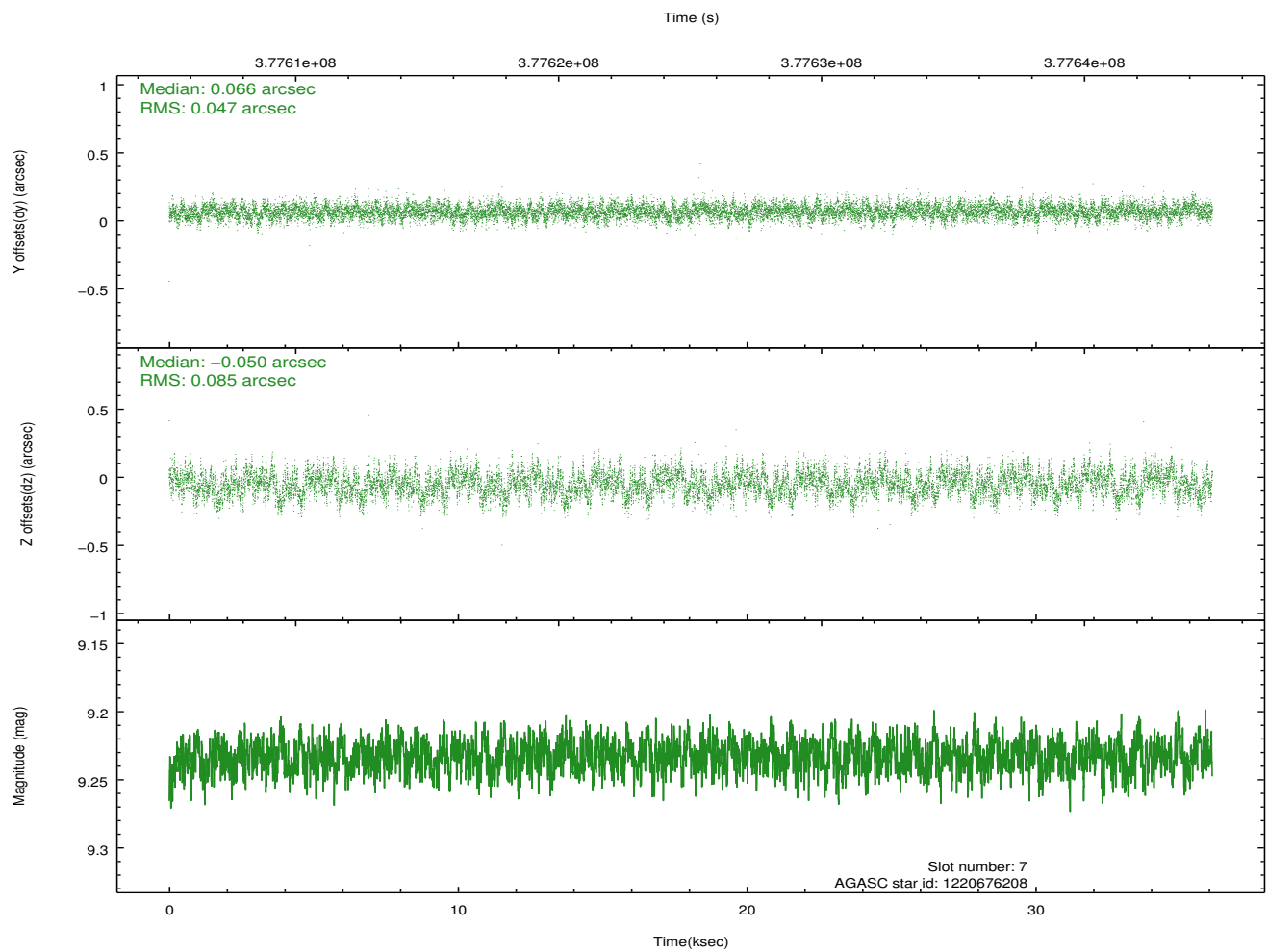
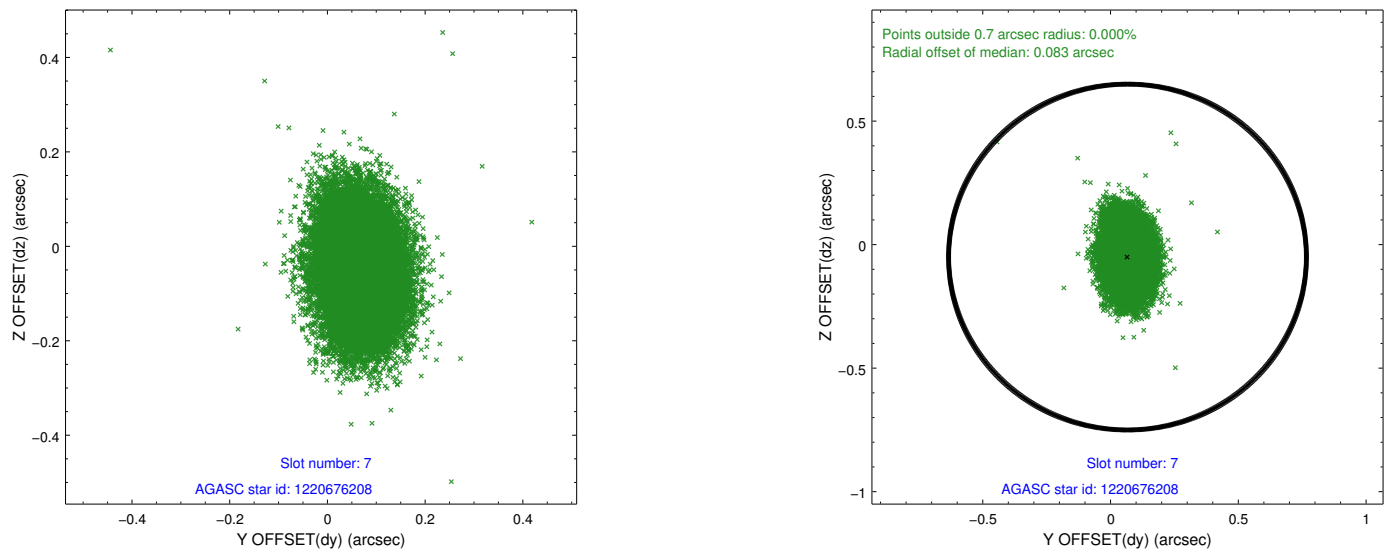
Time (s)



2.4.4 Slot 6

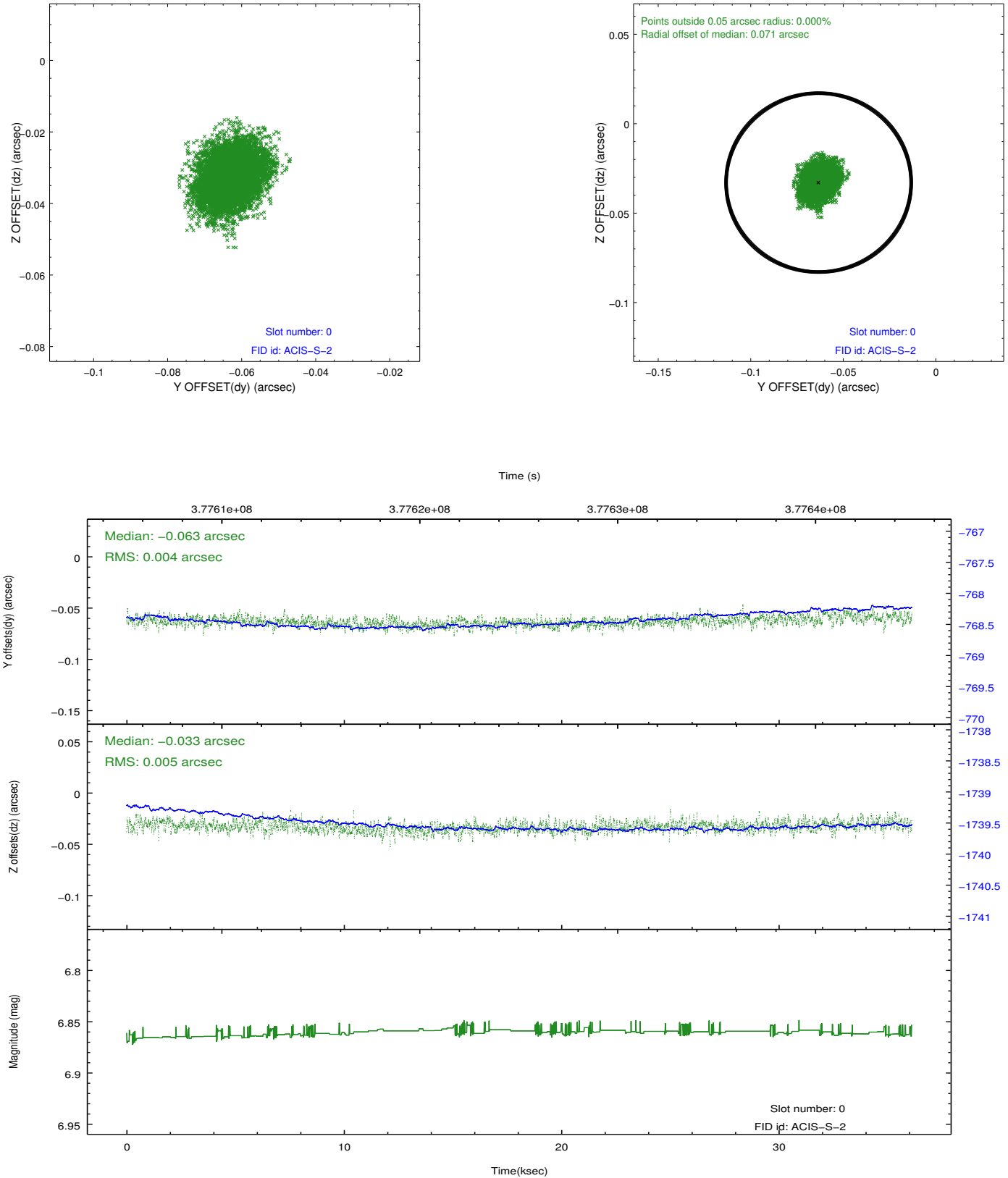


2.4.5 Slot 7

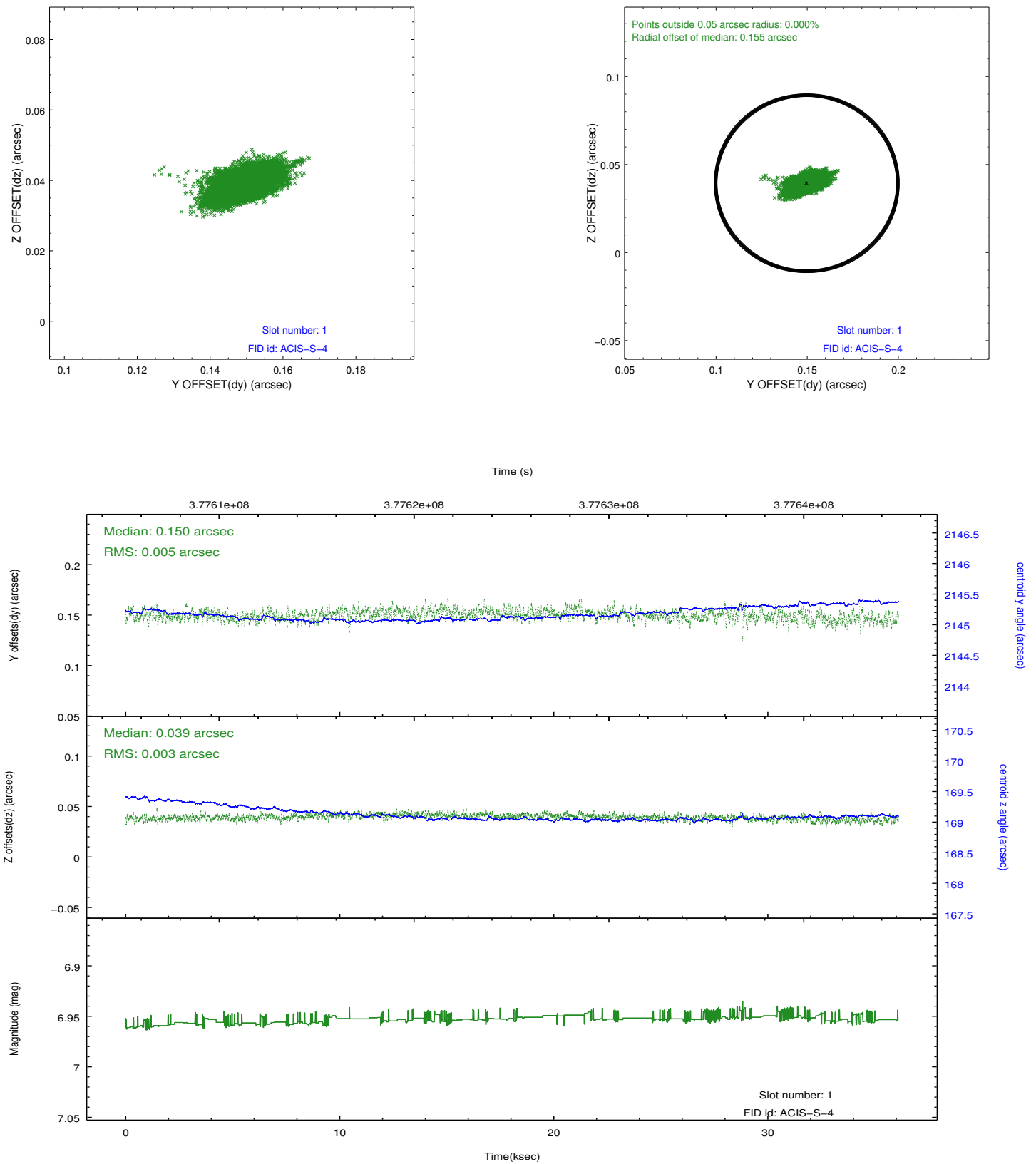


2.5 FID Slots

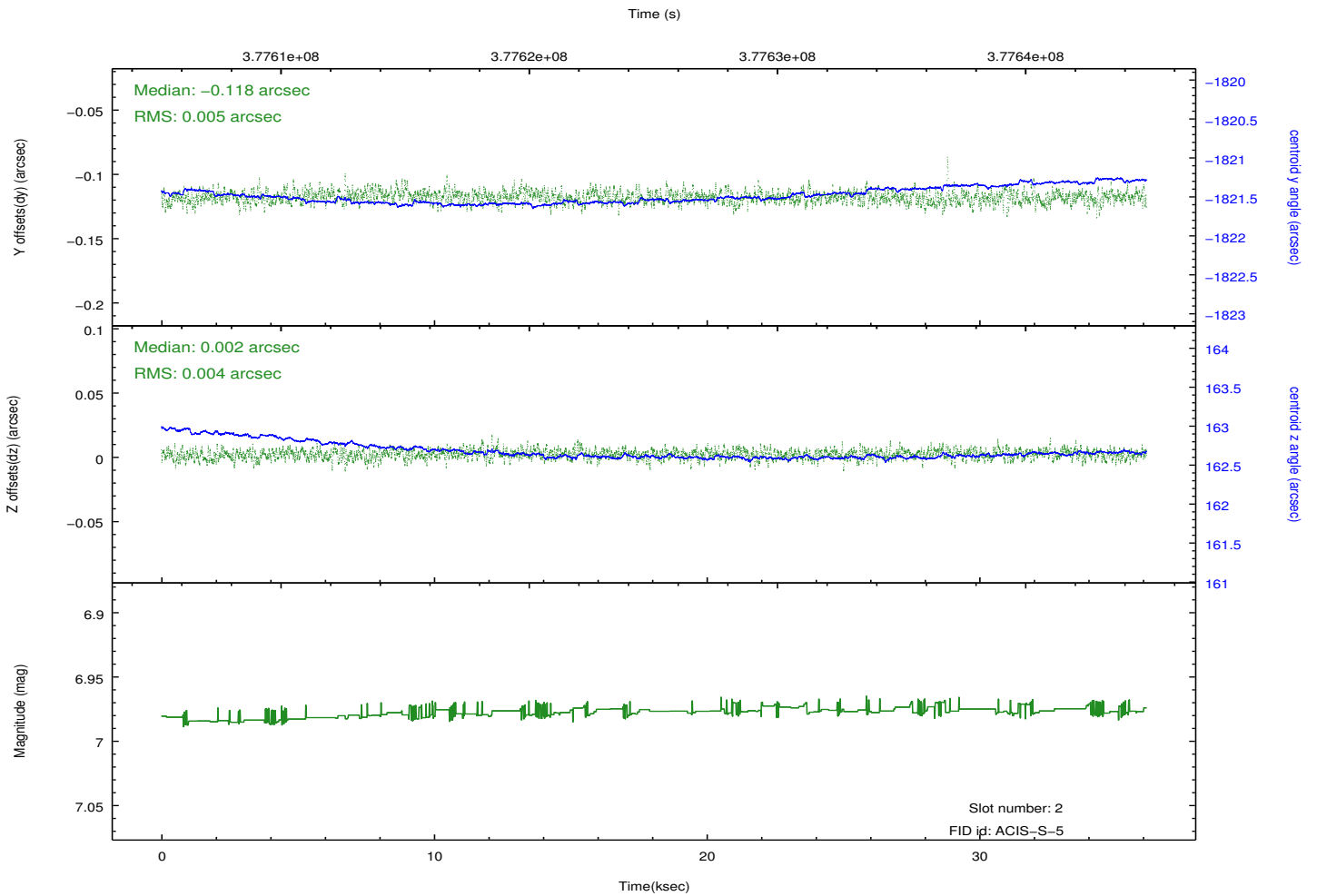
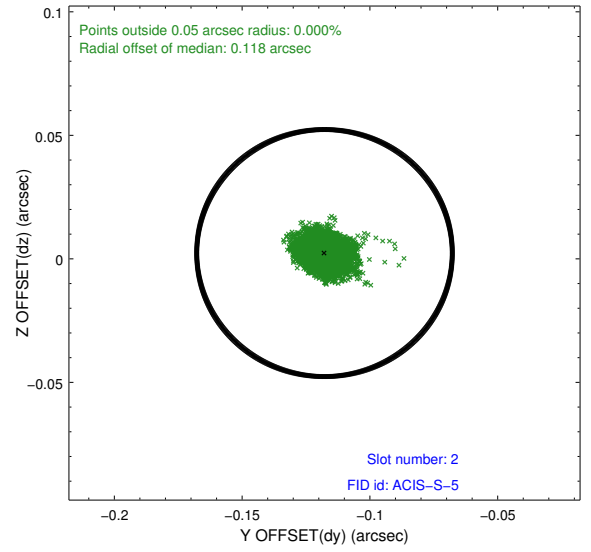
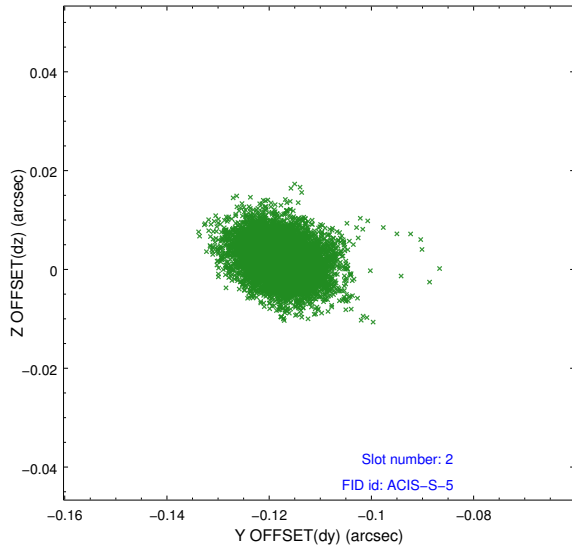
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.06.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	36.1185

A.2 Comments