

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10935 - L2 Version 2
Chandra X-Ray Center

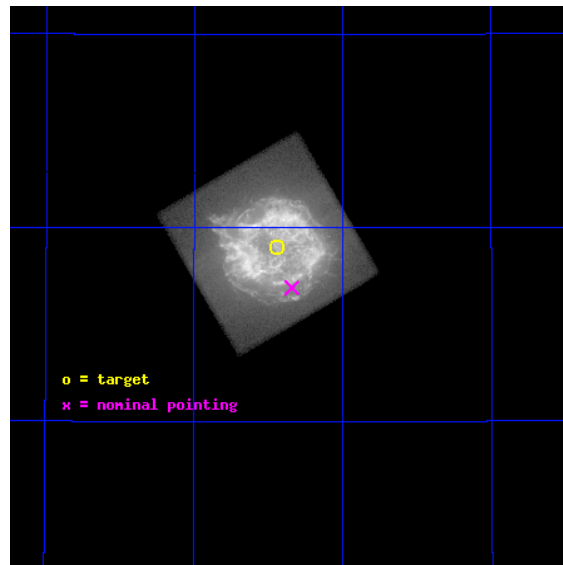
L2 Processing Date : Jun 16 2012

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1 Front

seq_num	501175	Sequence number
obs_id	10935	Observation id
title	Testing Shock Physics Through Flux Variability in Cas A	Proposal t
observer	Daniel Patnaude	Principal investigator
object	Cassiopeia A	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	350.86125	Observer's specified target RA [deg]
dec_targ	58.8175	Observer's specified target Dec [deg]
ra_nom	350.83573764173	Nominal RA [deg]
dec_nom	58.78180800537	Nominal Dec [deg]
roll_nom	239.67844928468	Nominal Roll [deg]
revision	2	Processing version of data
ontime	23579.934825182	Sum of GTIs [s]
livetime	23261.714569866	Livetime [s]
ontime7	23579.934825182	Sum of GTIs [s]
l2events	6641235	Number of level 2 events

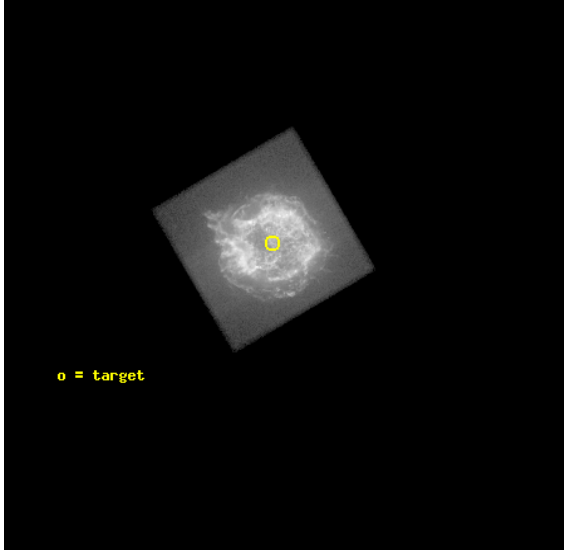


2 OBI

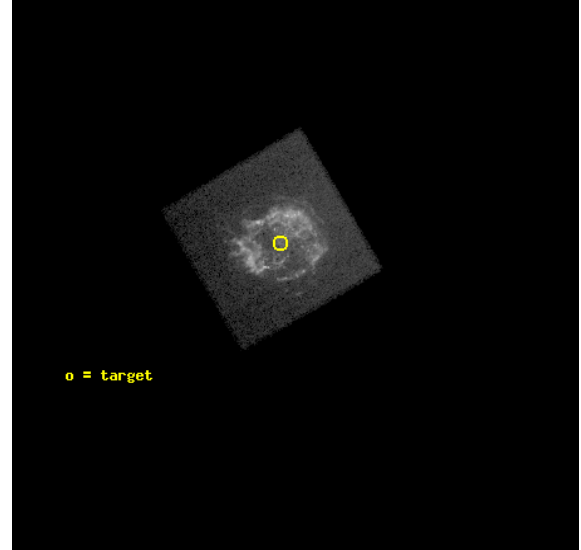
2.1 OBI

2.1.1 Images

Level 1 Image



Level 1 Bad Events



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	23500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	23579.934825182	Sum of GTIs [s]
caldbver	4.4.10	 	ontime7	23579.934825182	Sum of GTIs [s]
date	2012-06-16T04:38:44	Date and time of file creation	l1events	7140323	Number of level 1 events
revision	2	Processing version of data			

2.1.3 Events

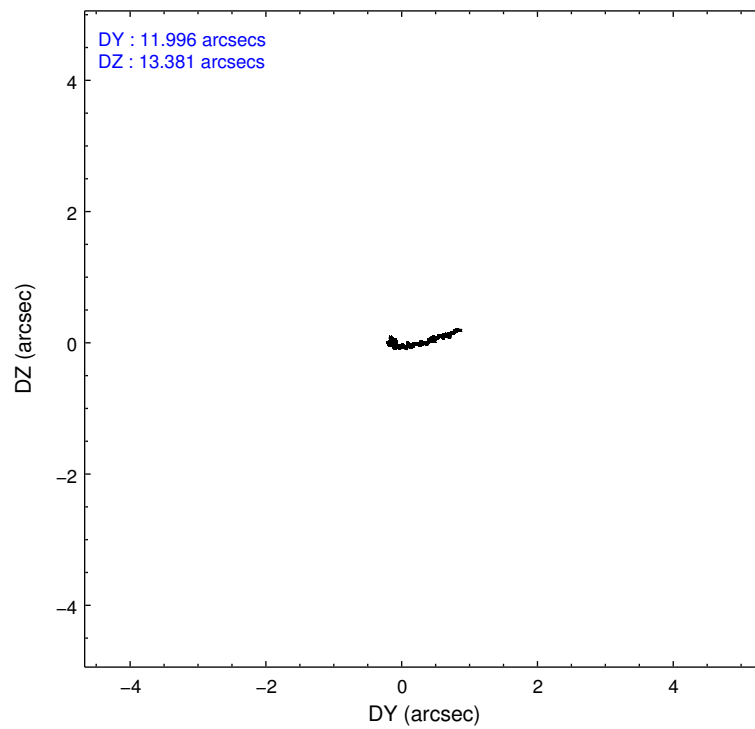
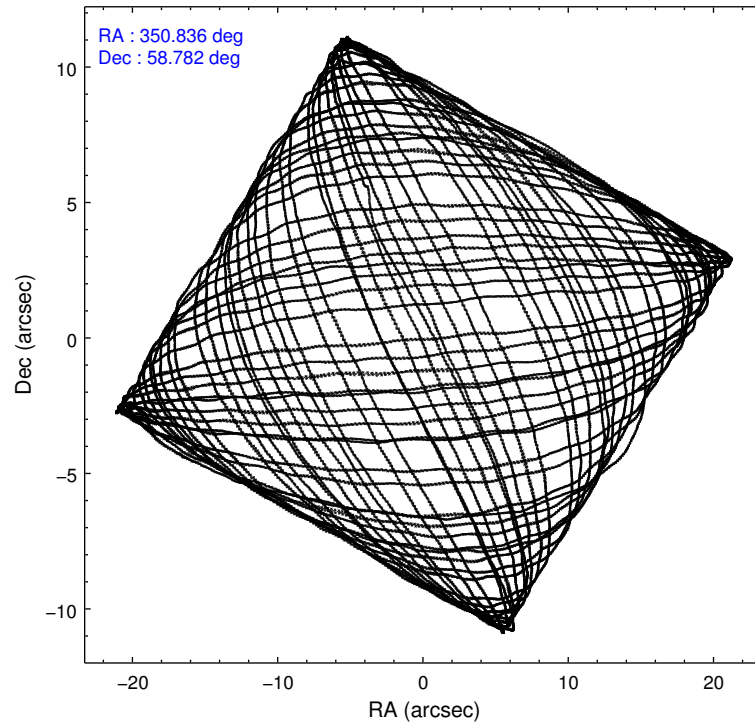
	ccd 7
level 1 events	7140323
rejected events	426272
rejected %	5%

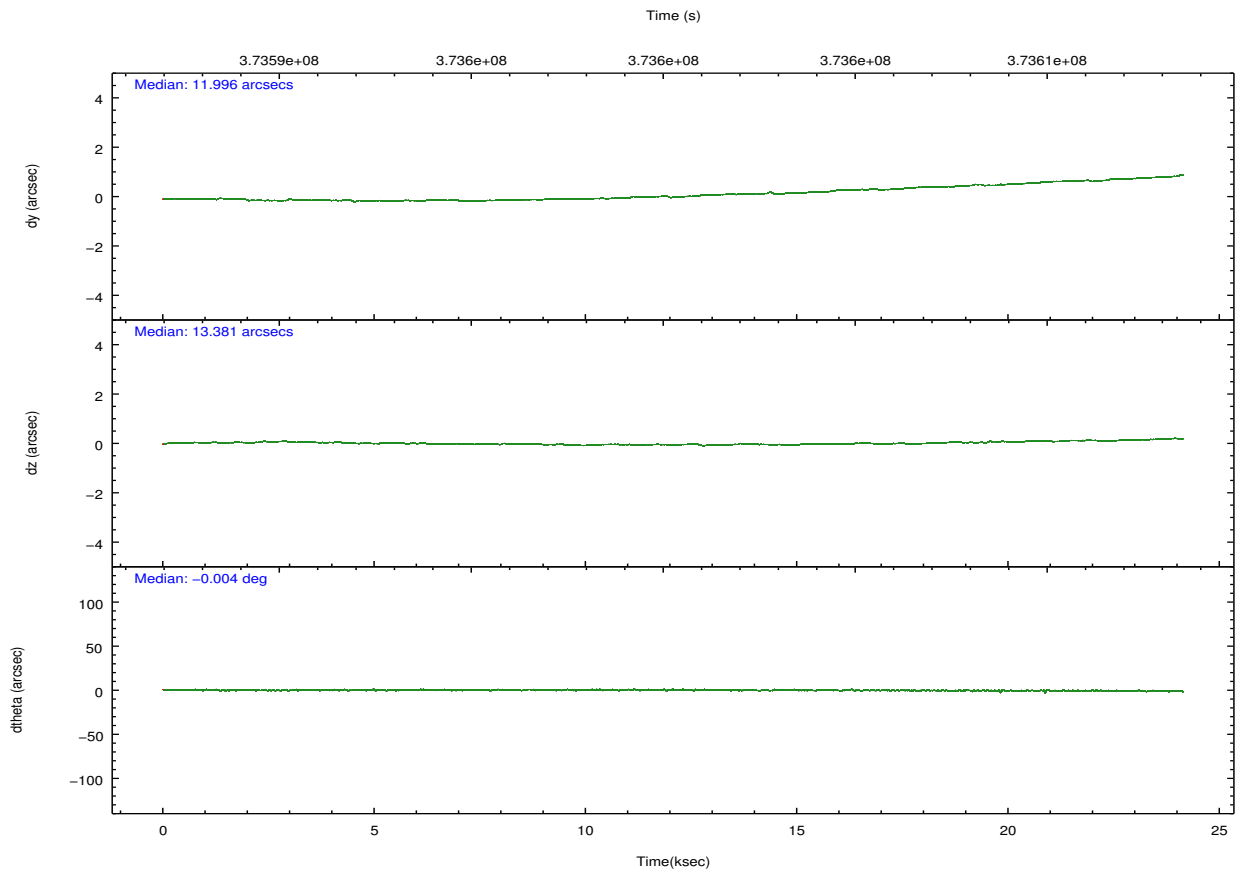
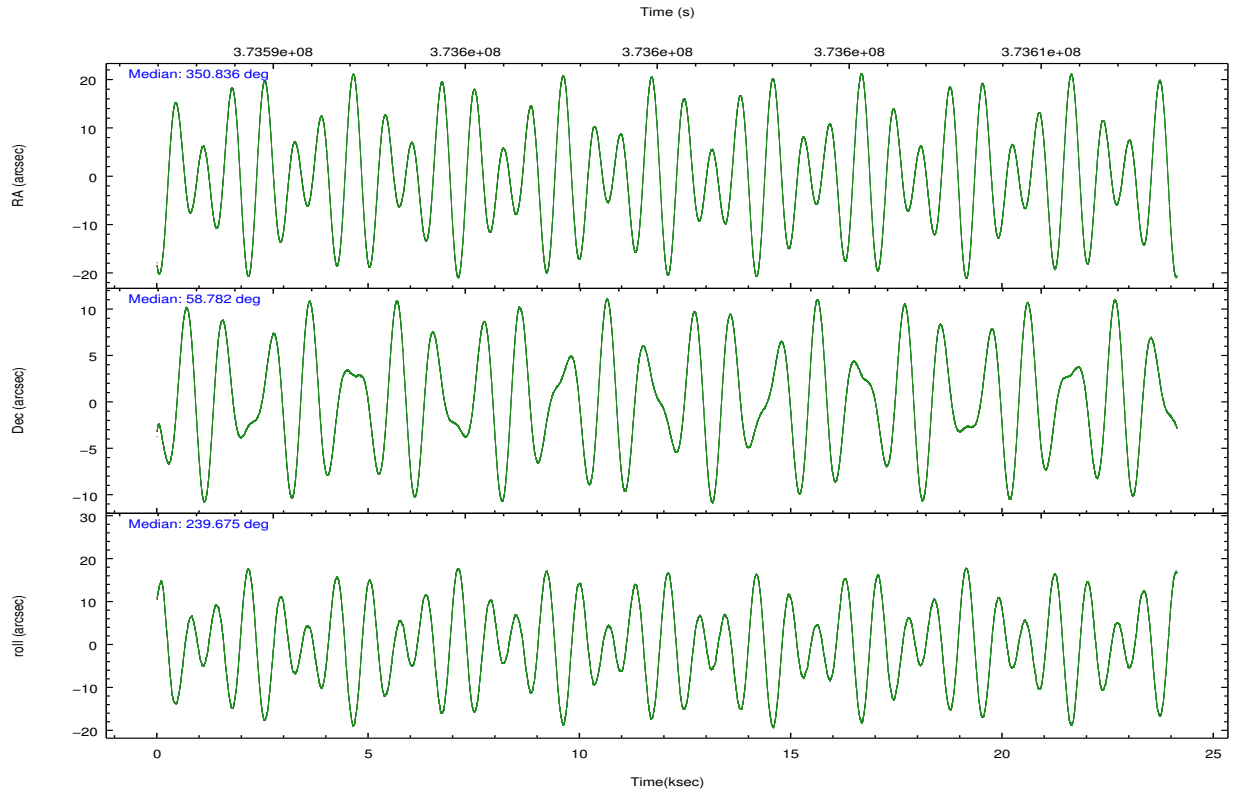
	ccd 7
grade 0 events	1440246
	20%
grade 1 events	24268
	0%
grade 2 events	2057188
	28%
grade 3 events	681756
	9%
grade 4 events	676084
	9%
grade 5 events	128482
	1%
grade 6 events	1859674
	26%
grade 7 events	272625
	3%

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	GRADED	GRADED	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	350.835333	350.8357376417308	Subarray requested	NONE	NONE
[deg] Pointing Dec	58.809152	58.78180800536992	Alternating exposures requested	N	N
[deg] Pointing Roll	239.522165	239.6784492846827	[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)	373588832.184000	373587478.45415			
Observation start date	2009-11-02T22:39:26	2009-11-02T22:17:58			
[s] Observation end time (MET)	373612332.184000	373613209.54295			
Observation end date	2009-11-03T05:11:06	2009-11-03T05:26:49			
Read mode	TIMED	TIMED			

2.3 Aspect



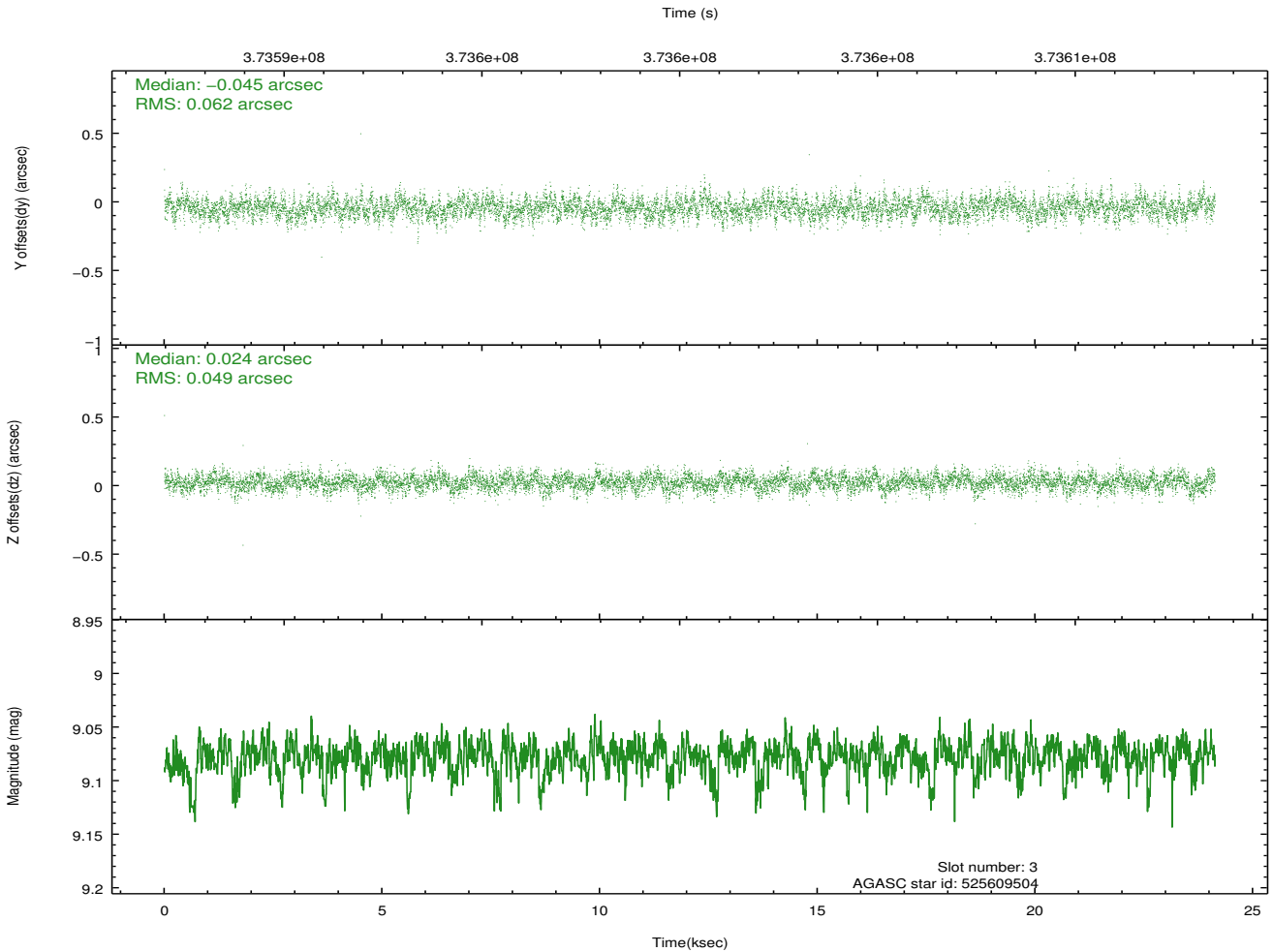
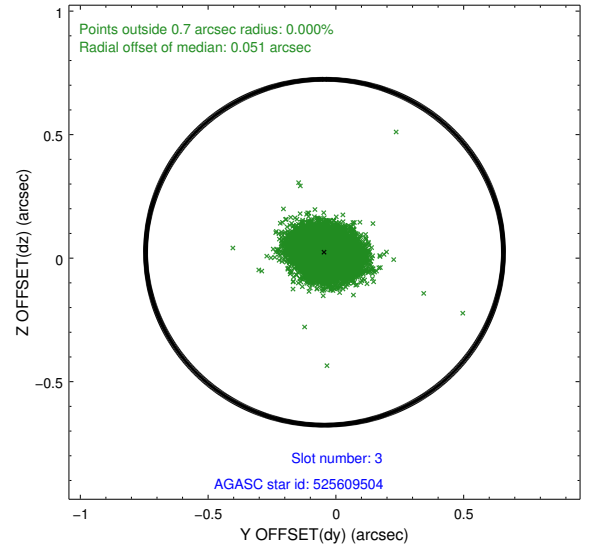
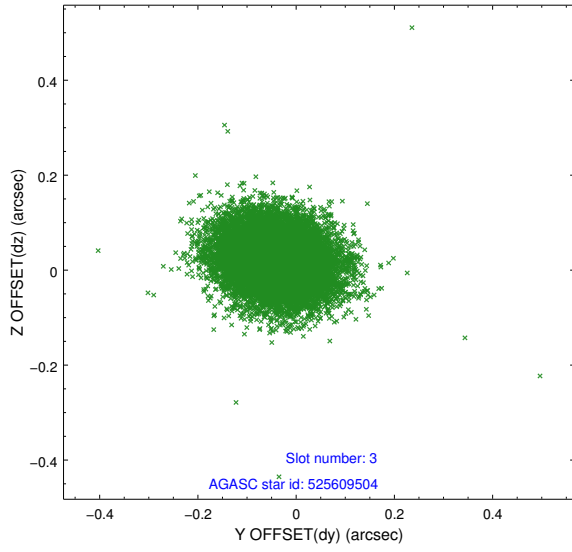


Slot Statistics

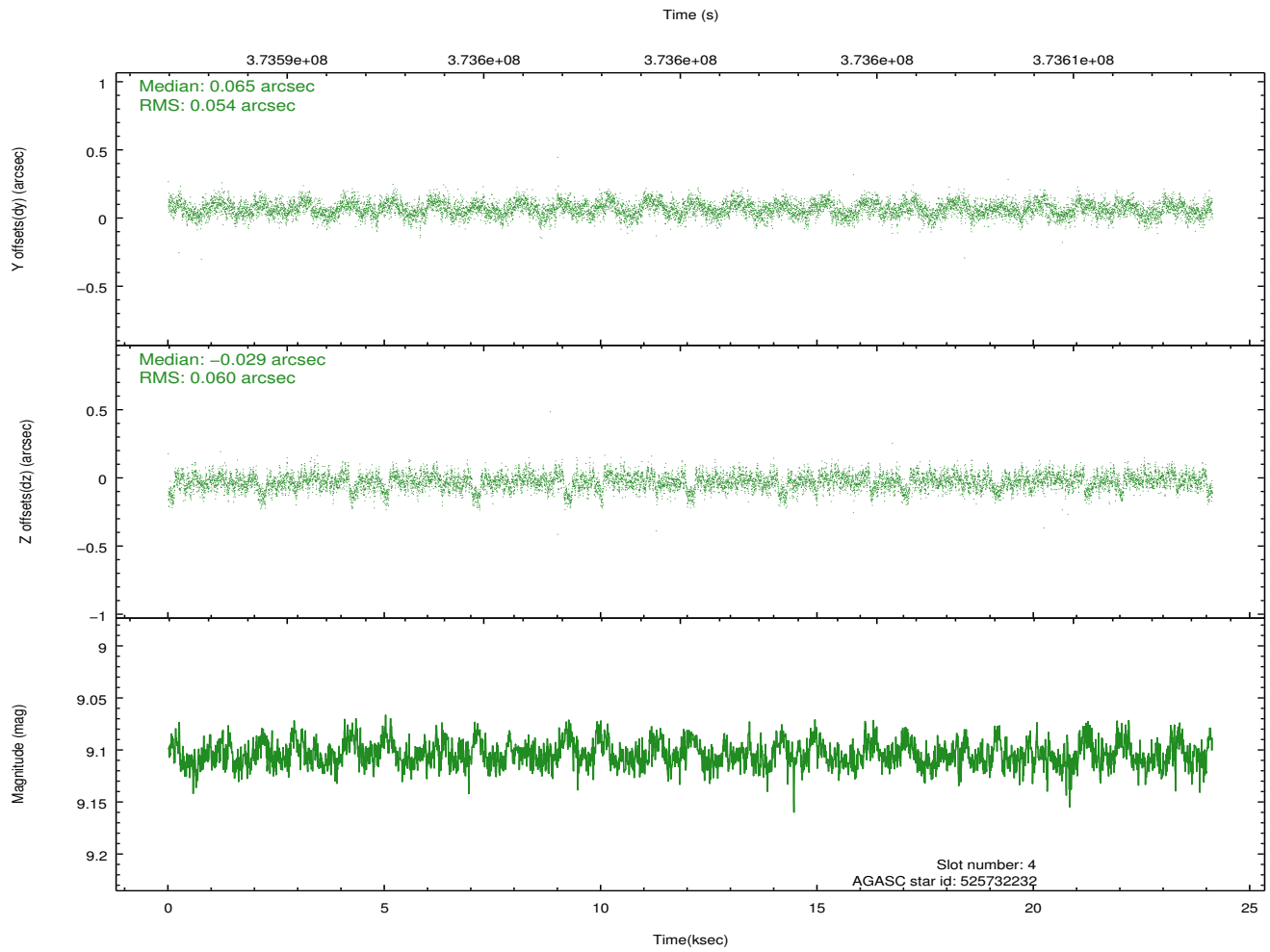
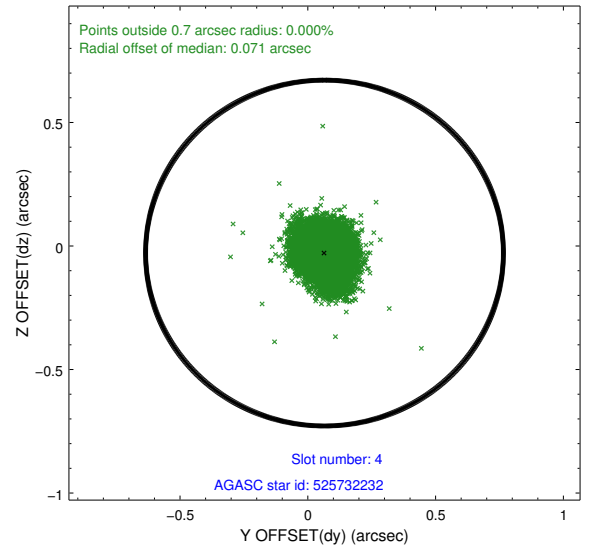
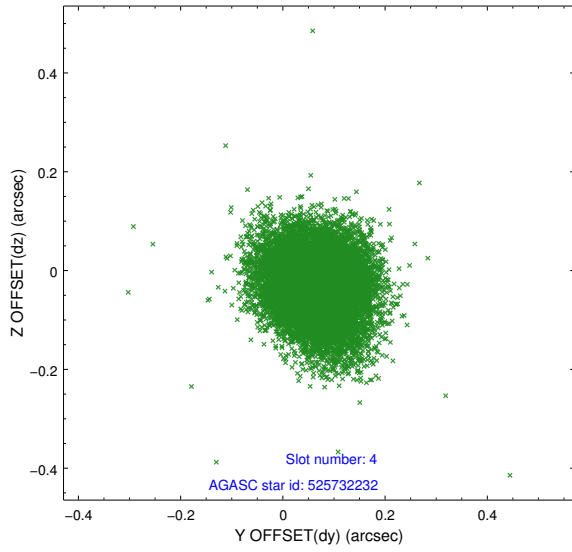
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.88	5886	-0.022	-0.030	0.008	0.013	0.000000	0.000000	-765.04	-1734.76
1	FID	ACIS-S-4	6.97	5885	0.114	0.019	0.009	0.022	0.000000	0.000000	2148.32	173.63
2	FID	ACIS-S-5	7.00	5885	-0.121	0.020	0.012	0.026	0.000000	0.000000	-1817.82	167.46
3	GUIDE	525609504	9.08	11765	-0.045	0.024	0.082	0.135	349.896632	58.356658	2292.90	-708.01
4	GUIDE	525732232	9.10	11757	0.065	-0.029	0.085	0.139	351.669550	58.757012	-635.77	1434.28
5	GUIDE	525732488	8.42	11768	0.022	-0.016	0.071	0.111	350.087090	58.516915	1613.68	-682.34
6	GUIDE	525735456	7.08	11771	-0.070	-0.022	0.063	0.096	350.628183	59.307249	-1352.25	-1237.97
7	GUIDE	525735976	8.87	11756	0.022	0.047	0.083	0.131	350.142956	58.277622	2308.38	-162.25

2.4 Star Slots

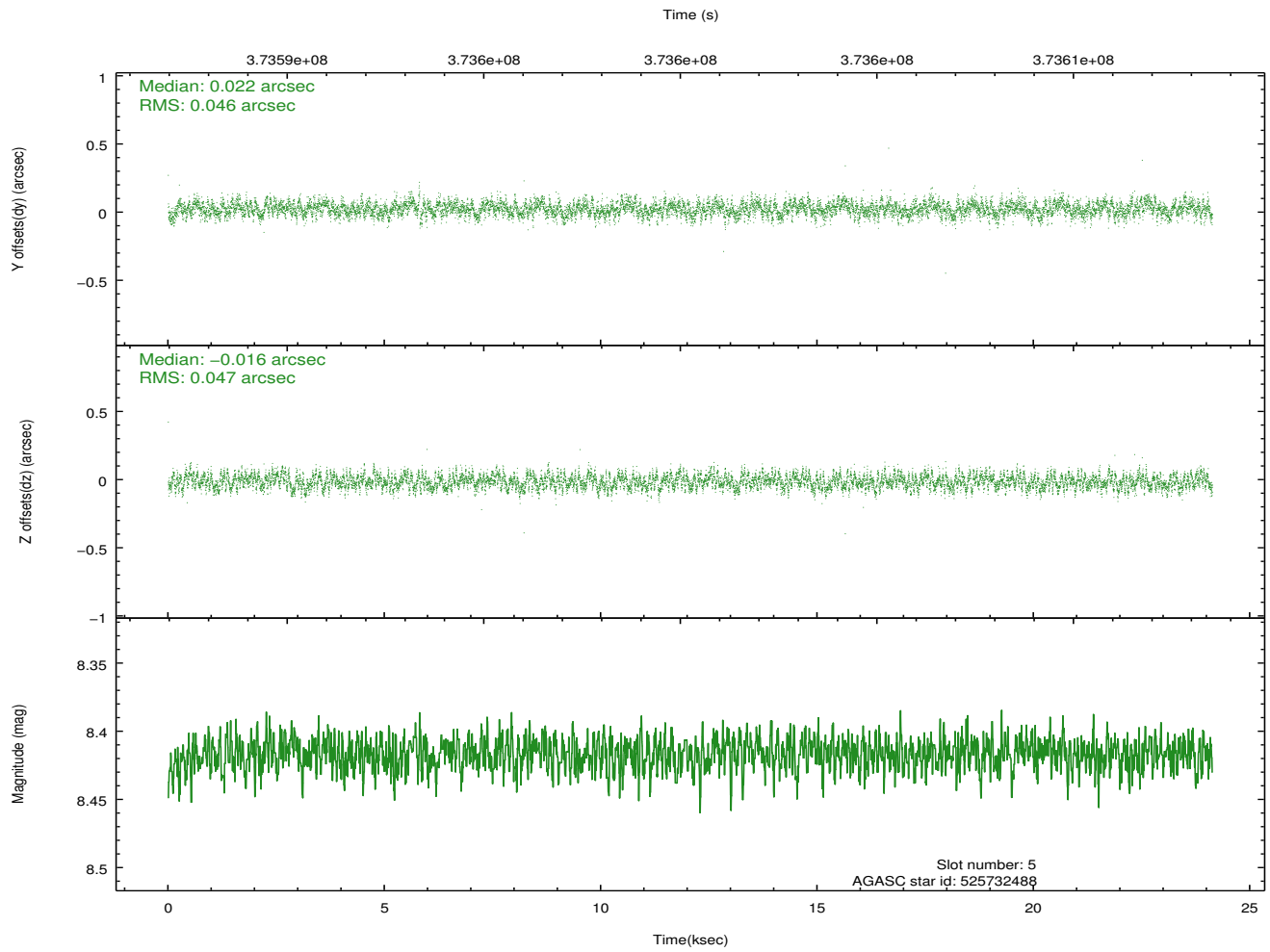
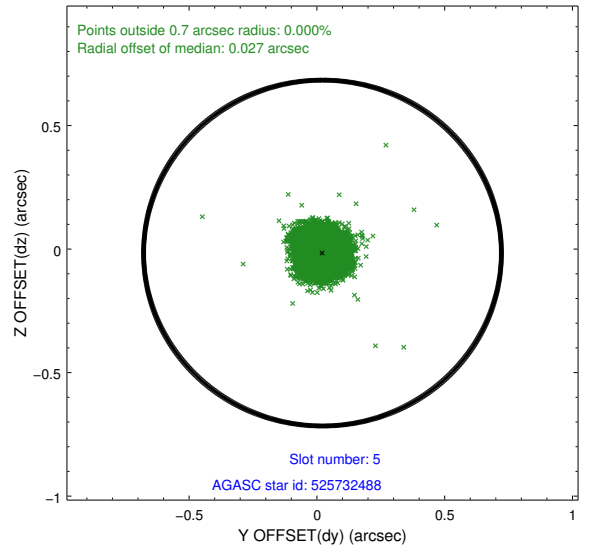
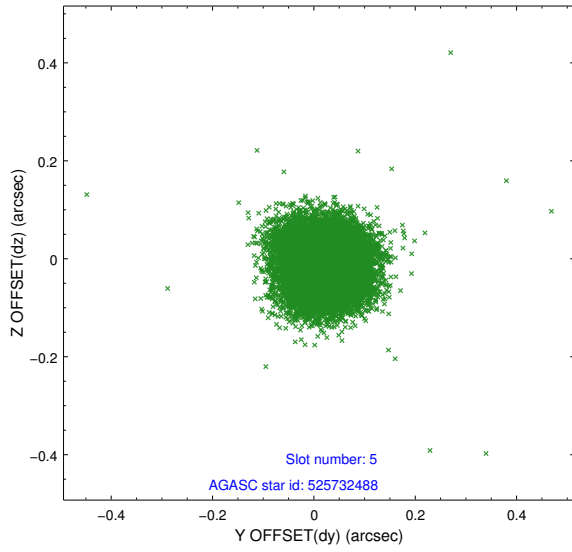
2.4.1 Slot 3



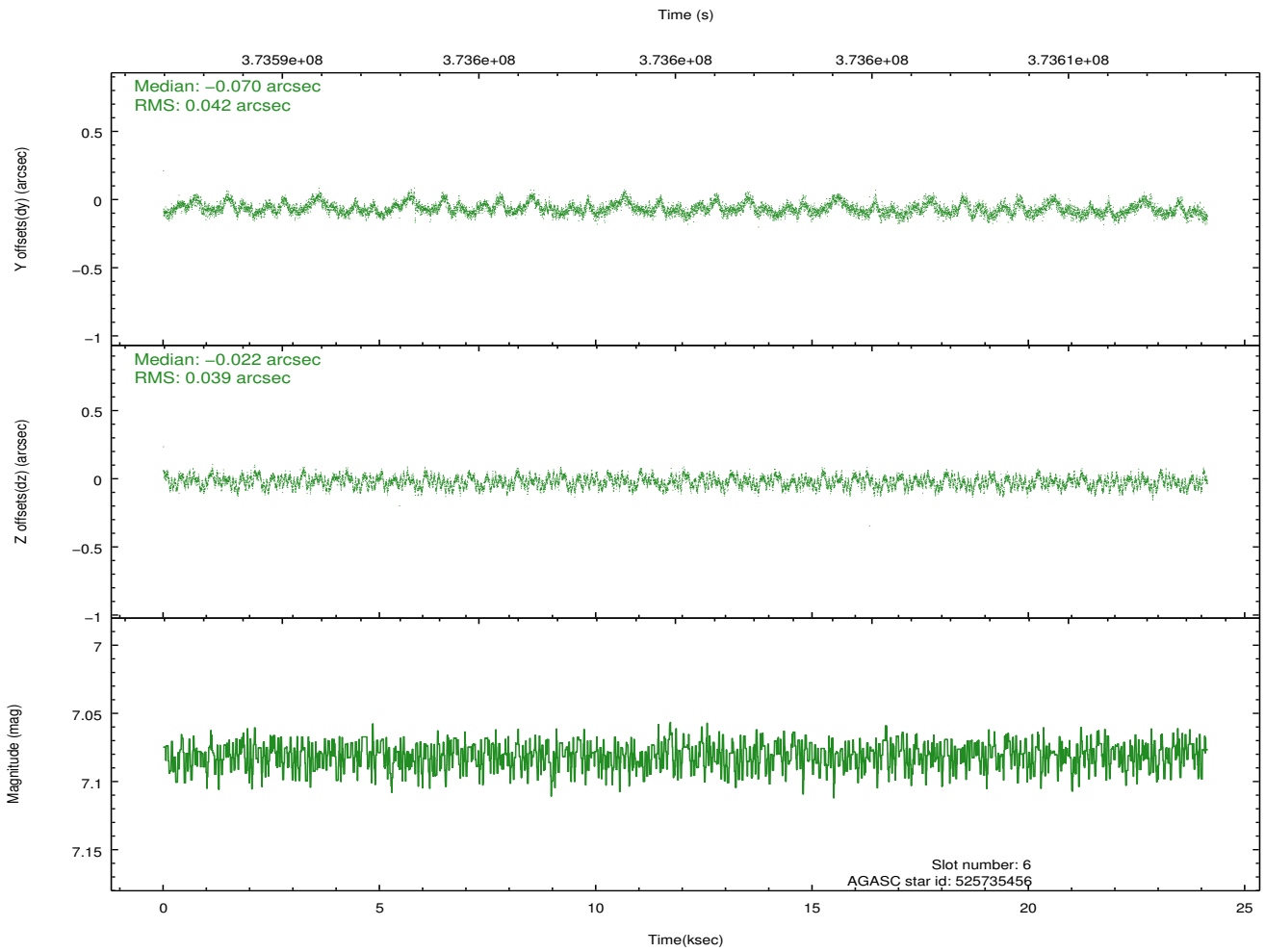
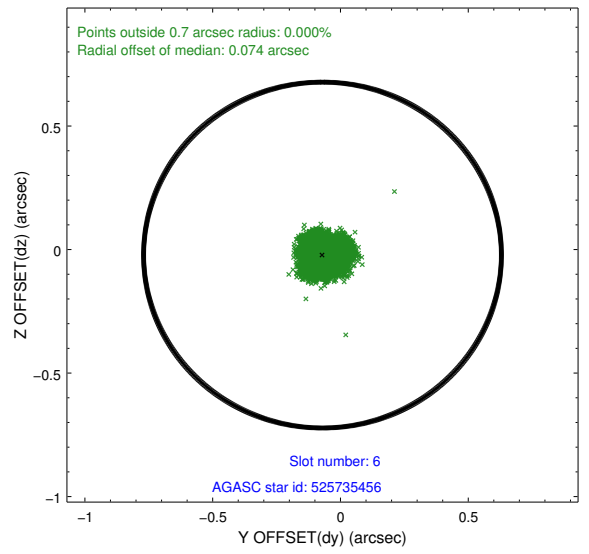
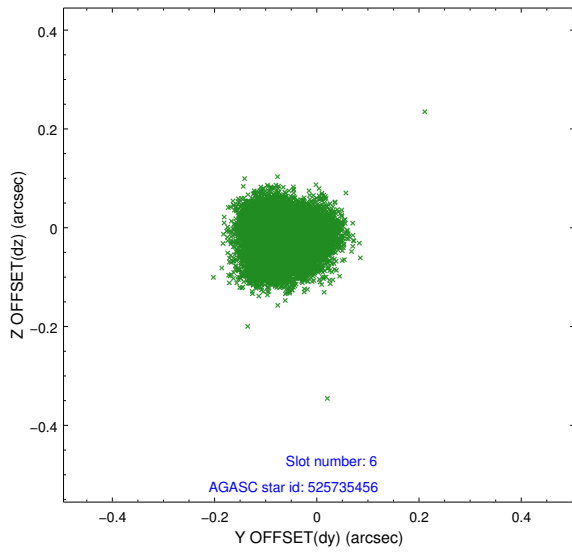
2.4.2 Slot 4



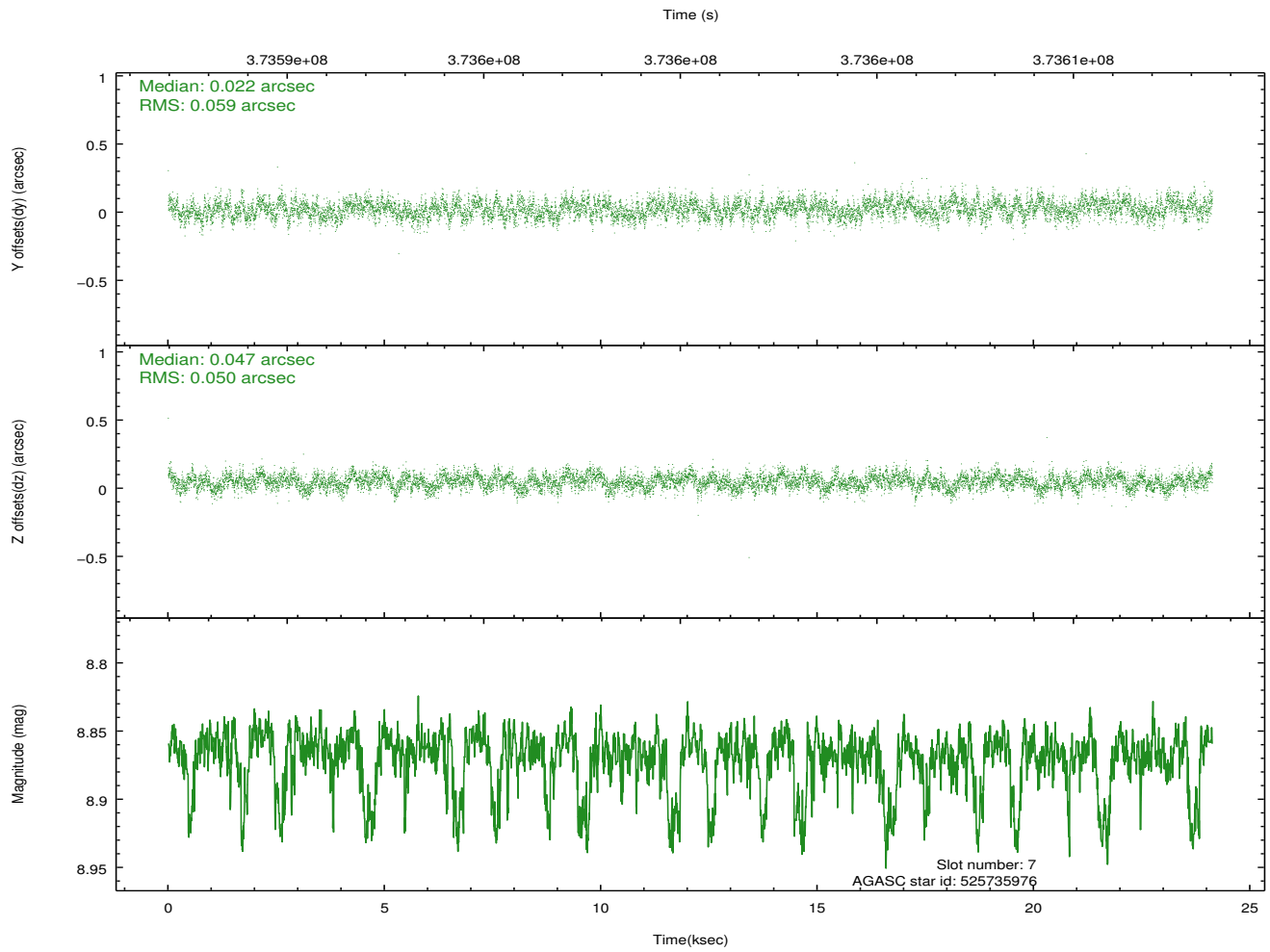
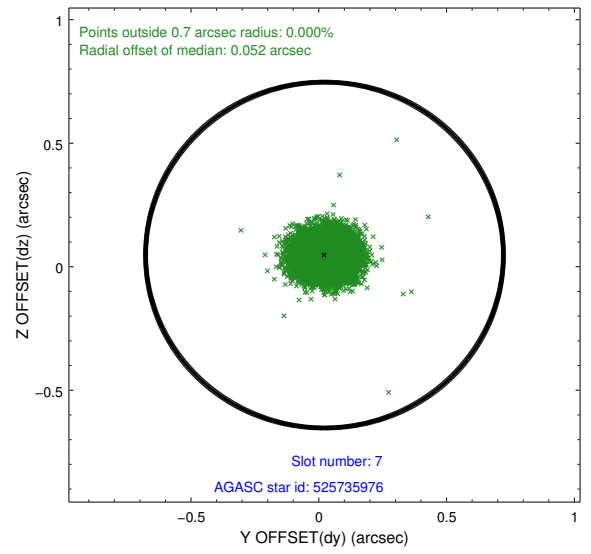
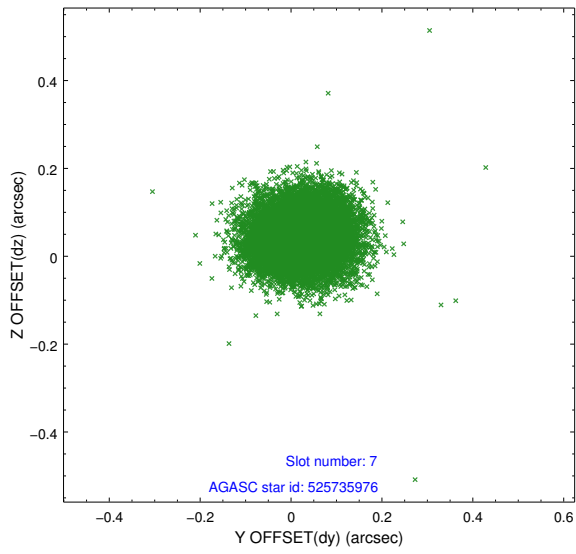
2.4.3 Slot 5



2.4.4 Slot 6

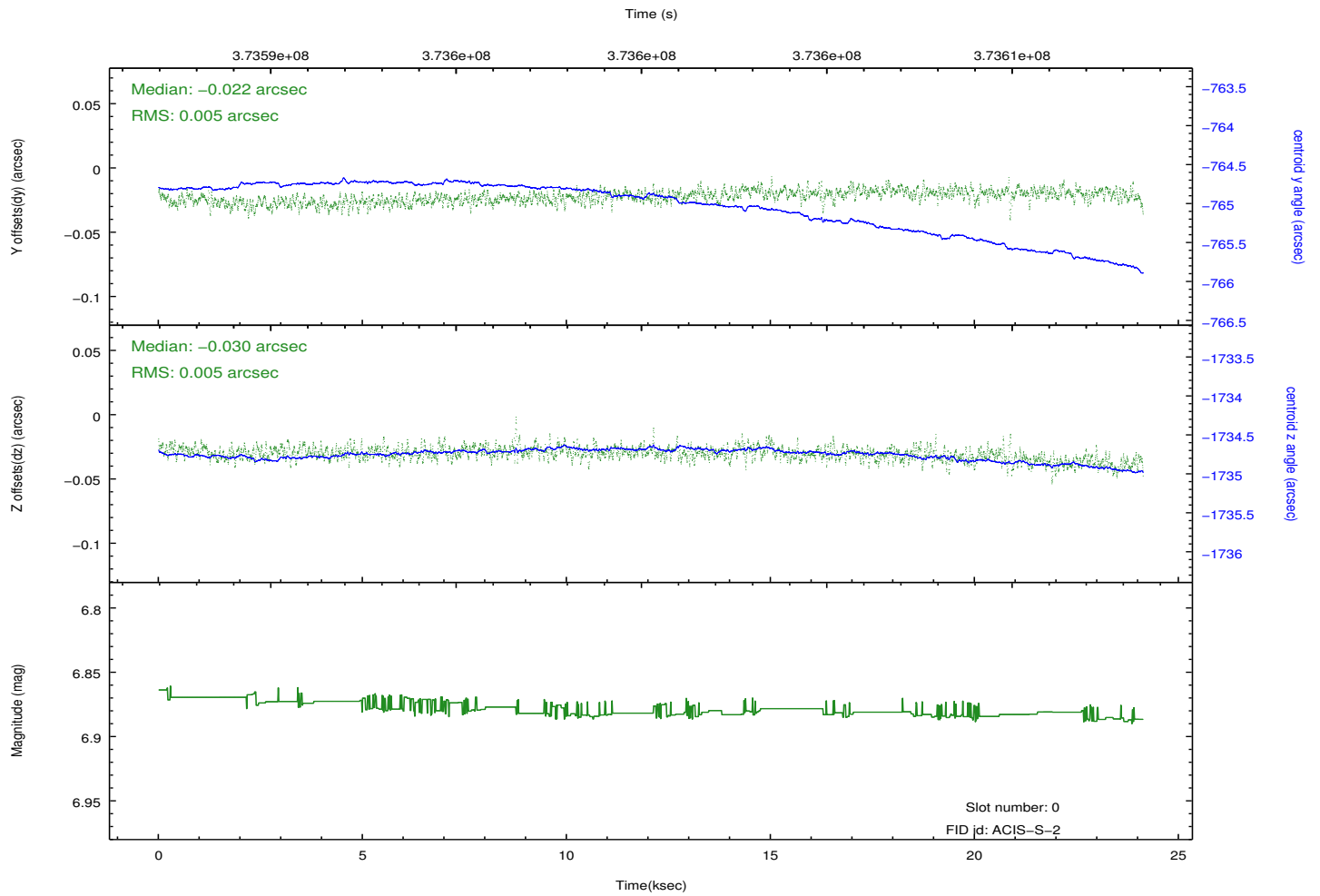
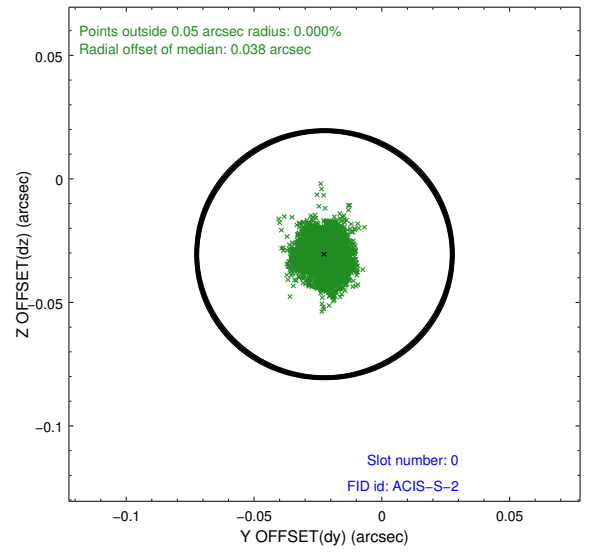
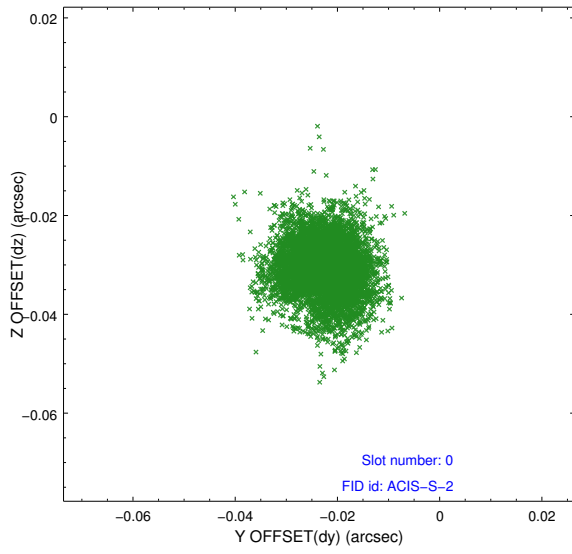


2.4.5 Slot 7

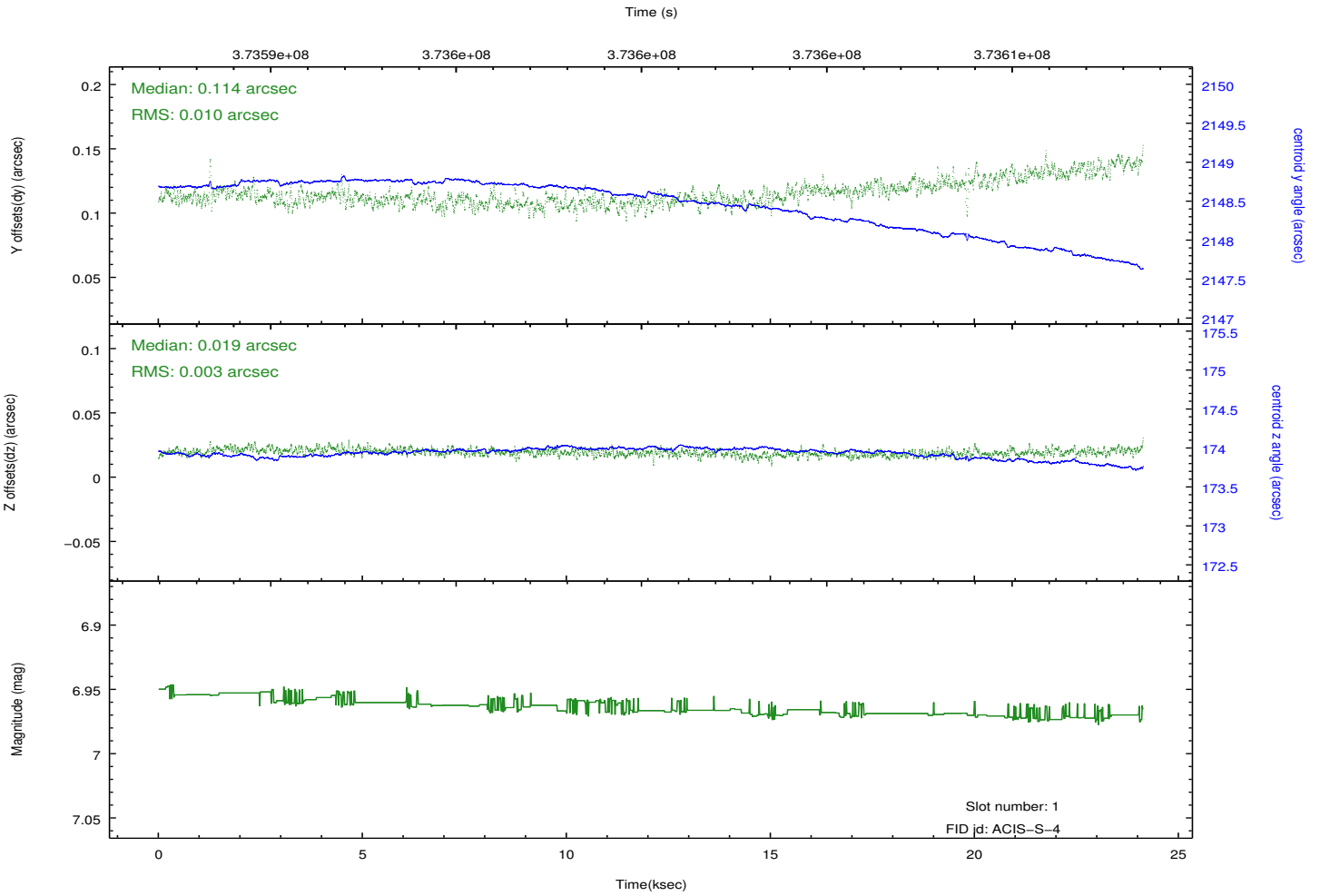
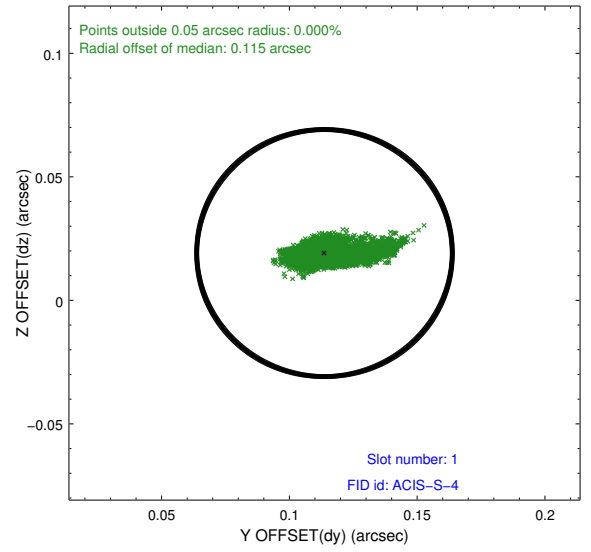
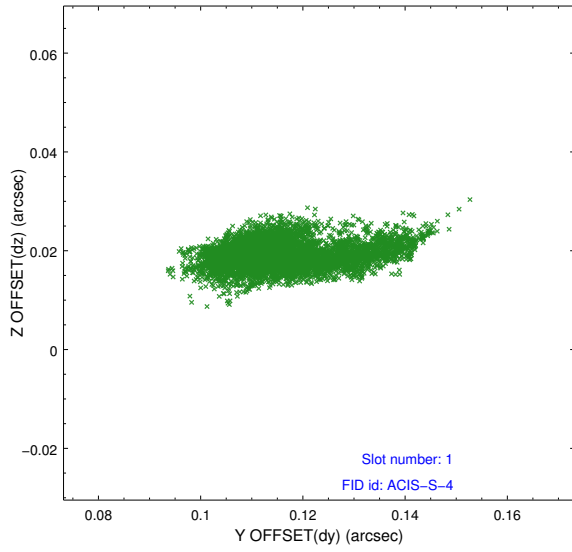


2.5 FID Slots

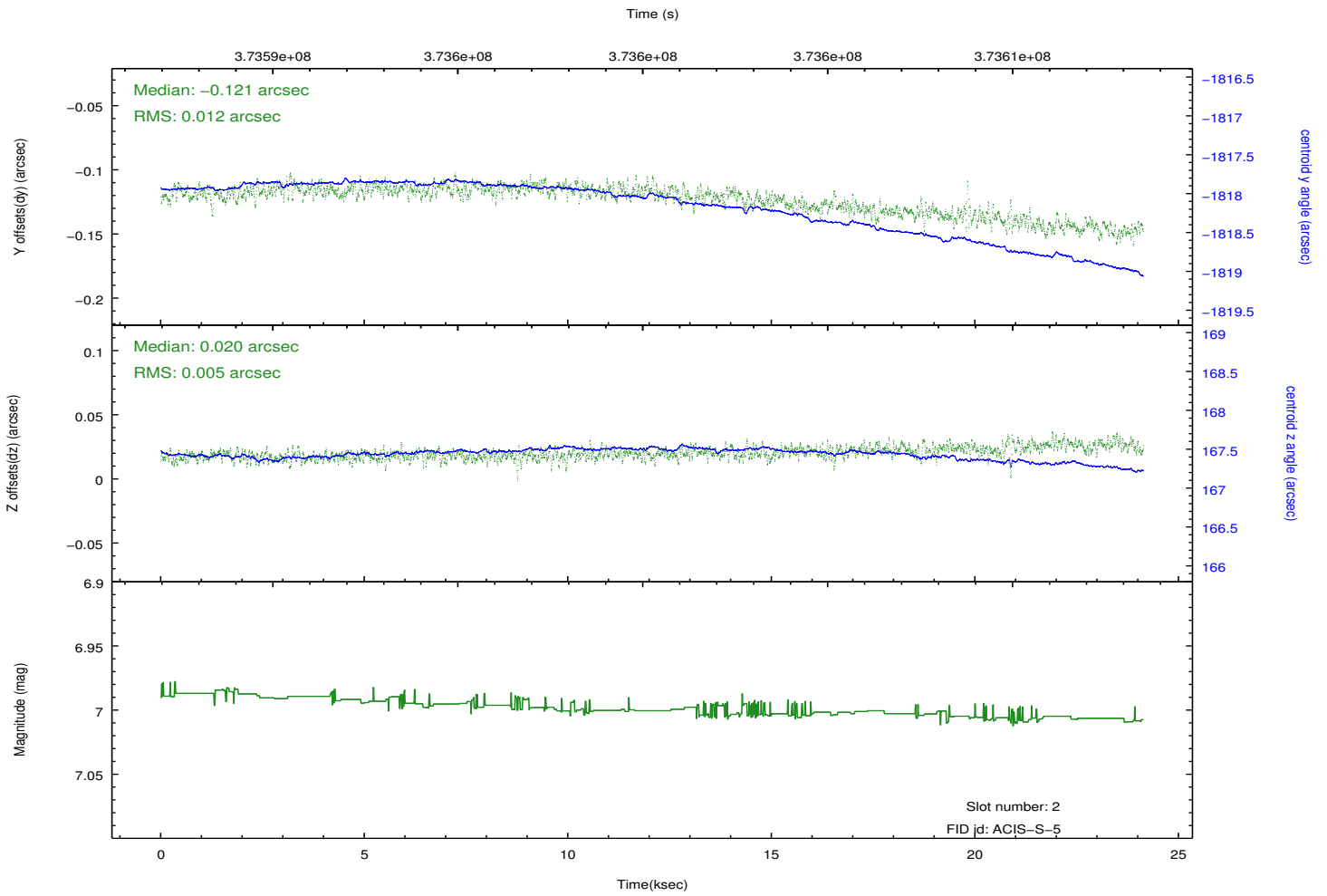
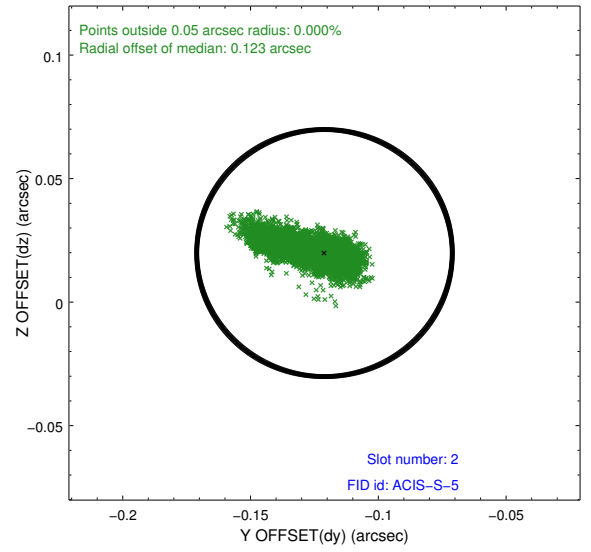
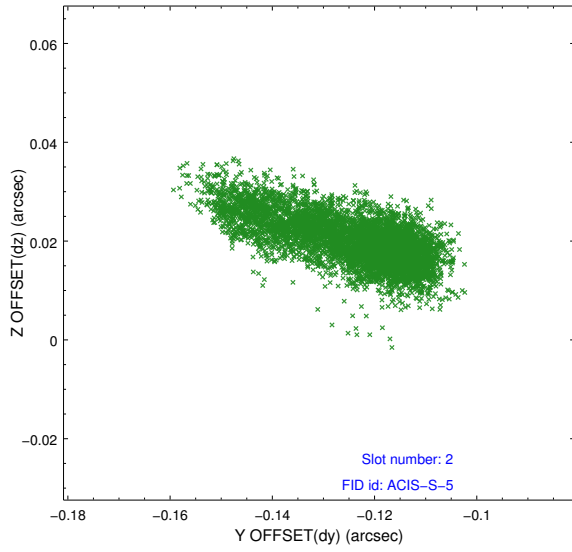
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	23.577

A.2 Comments