

V&V Reference Report

L2 ASCDS Version : 10.8

Observation 22271 - L2 Version 1
Chandra X-Ray Center

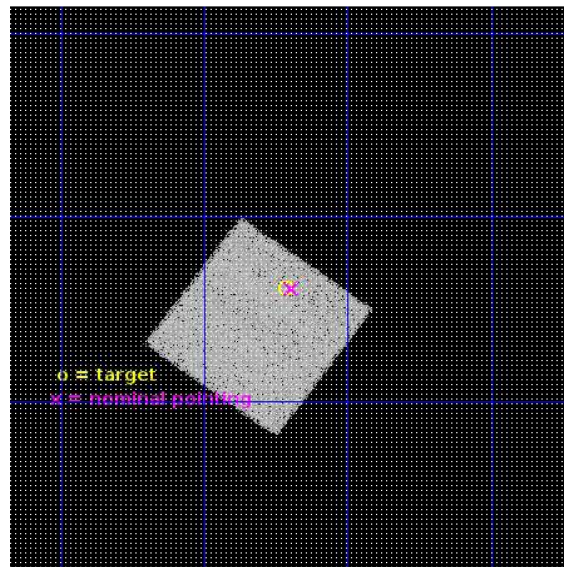
L2 Processing Date : Aug 6 2019

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1 Front

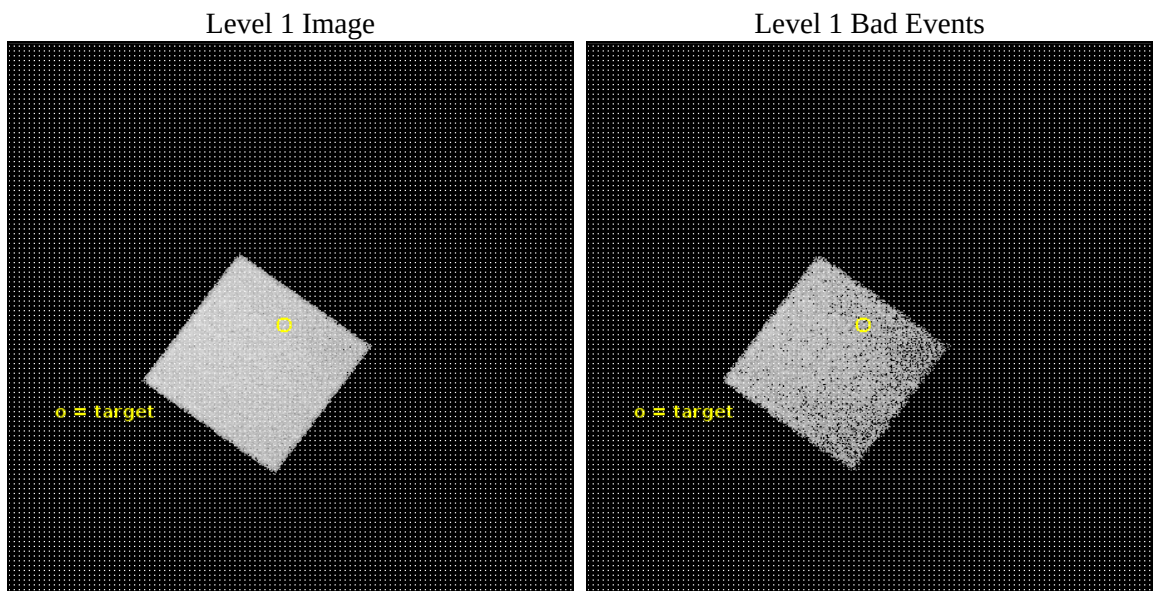
seq_num	503149	Sequence number
obs_id	22271	Observation id
title	The Extended Circumstellar Environment of SN 2003gk	Proposal title
observer	Daniel Patnaude	Principal investigator
object	SN 2003gk	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	345.429167	Observer's specified target RA [deg]
dec_targ	2.268889	Observer's specified target Dec [deg]
ra_nom	345.42420548902	Nominal RA [deg]
dec_nom	2.2688133483016	Nominal Dec [deg]
roll_nom	126.15675296995	Nominal Roll [deg]
revision	1	Processing version of data
ontime	15091.638592362	Sum of GTIs [s]
livetime	14887.971147071	Livetime [s]
ontime7	15091.638592362	Sum of GTIs [s]
l2events	61419	Number of level 2 events



2 OBI

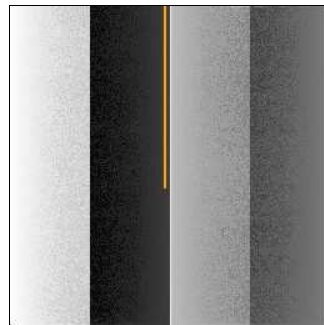
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	10.8	Processing system revision	ontime	15091.638592362	Sum of GTIs [s]
caldsver	4.8.3.1	 	ontime7	15091.638592362	Sum of GTIs [s]
date	2019-08-06T05:43:50	Date and time of file creation	l1events	144138	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

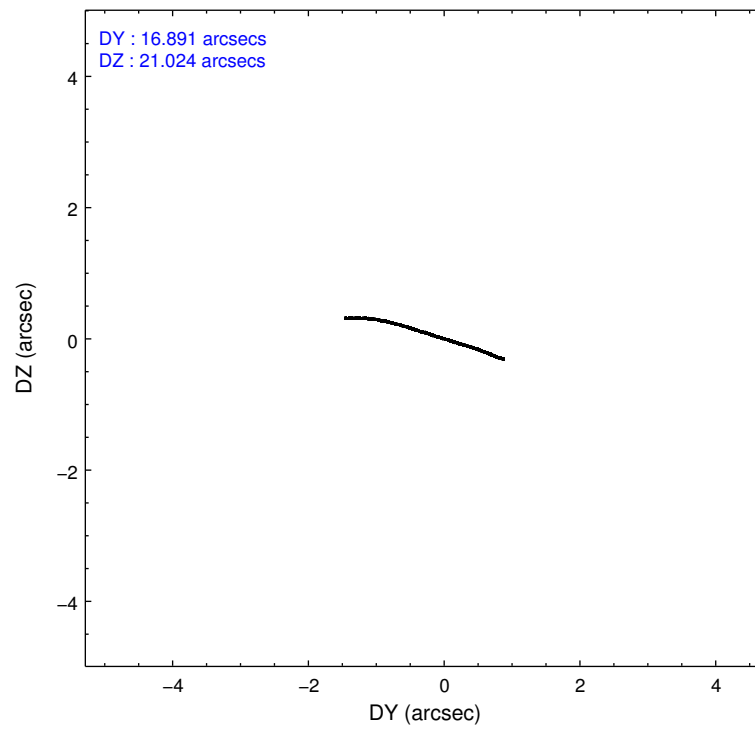
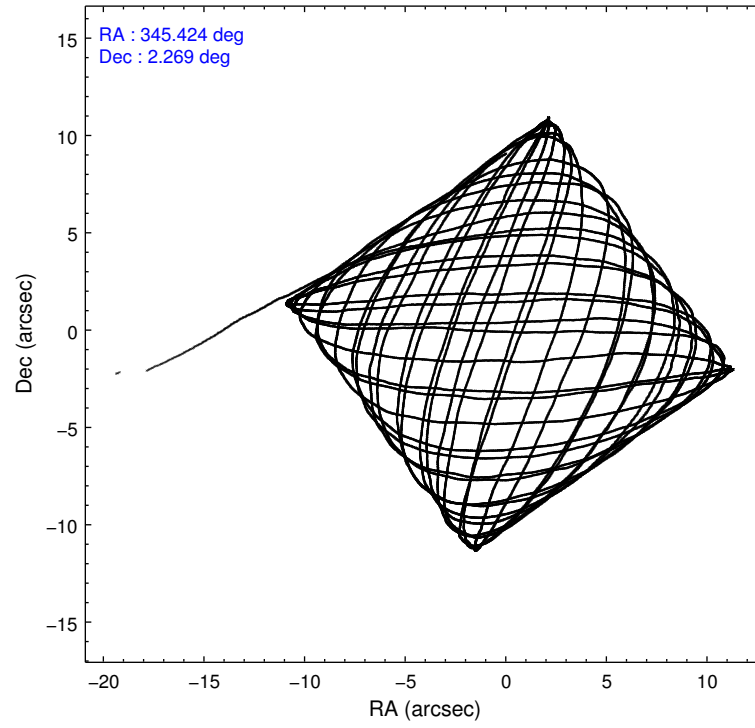
	ccd 7
level 1 events	144138
rejected events	81156
rejected %	56%

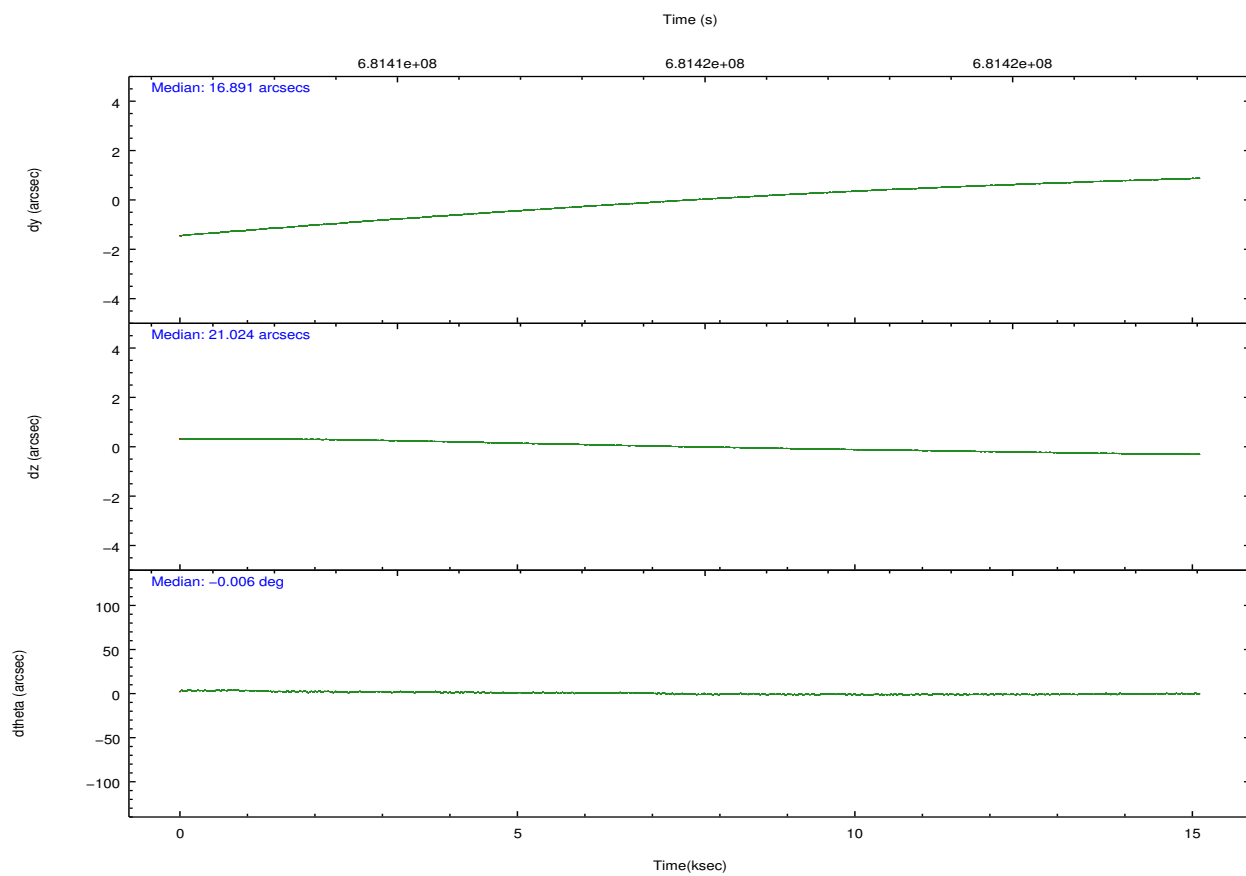
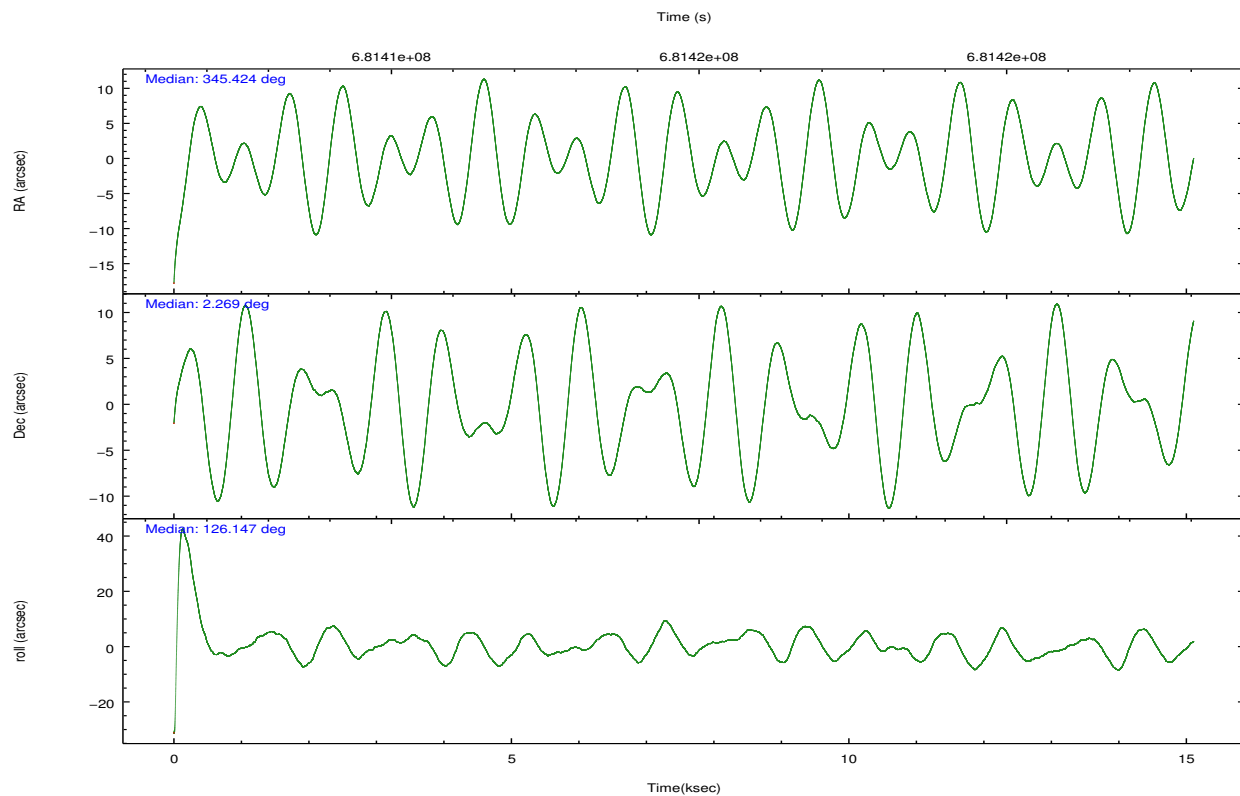
	ccd 7
grade 0 events	5085
	3%
grade 1 events	211
	0%
grade 2 events	13795
	9%
grade 3 events	4954
	3%
grade 4 events	4847
	3%
grade 5 events	14382
	9%
grade 6 events	34315
	23%
grade 7 events	66549
	46%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	345.449501	345.4242054890201	Subarray requested	NONE	NONE
[deg] Pointing Dec	2.258049	2.26881334830158	Alternating exposures requested	N	N
[deg] Pointing Roll	125.999204	126.1567529699482	[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)	681407310.184000	681406040.1205			
Observation start date	2019-08-05T15:47:21	2019-08-05T15:27:20			
[s] Observation end time (MET)	681422310.184000	681423557.88405			
Observation end date	2019-08-05T19:57:21	2019-08-05T20:19:17			
Read mode	TIMED	TIMED			

2.3 Aspect



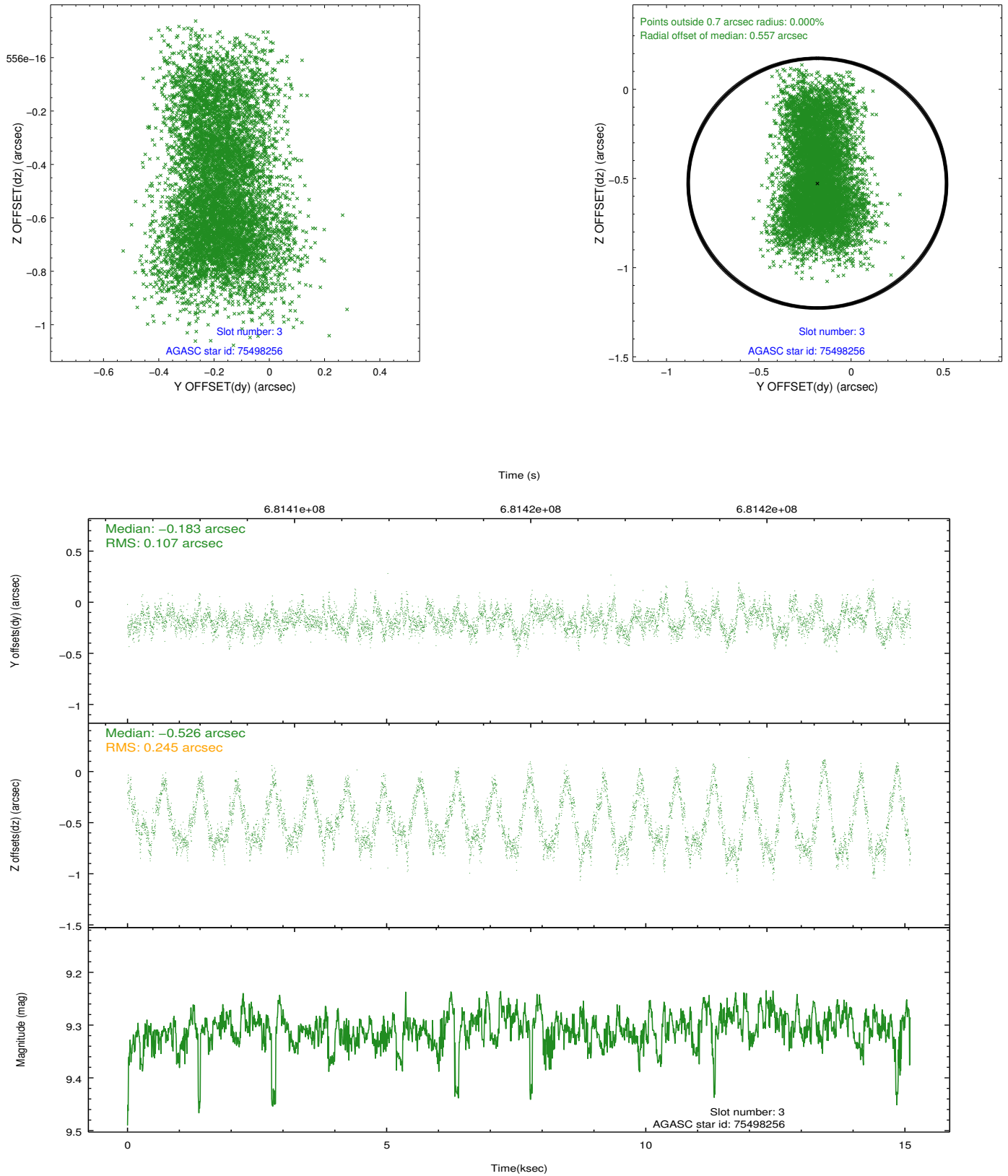


Slot Statistics

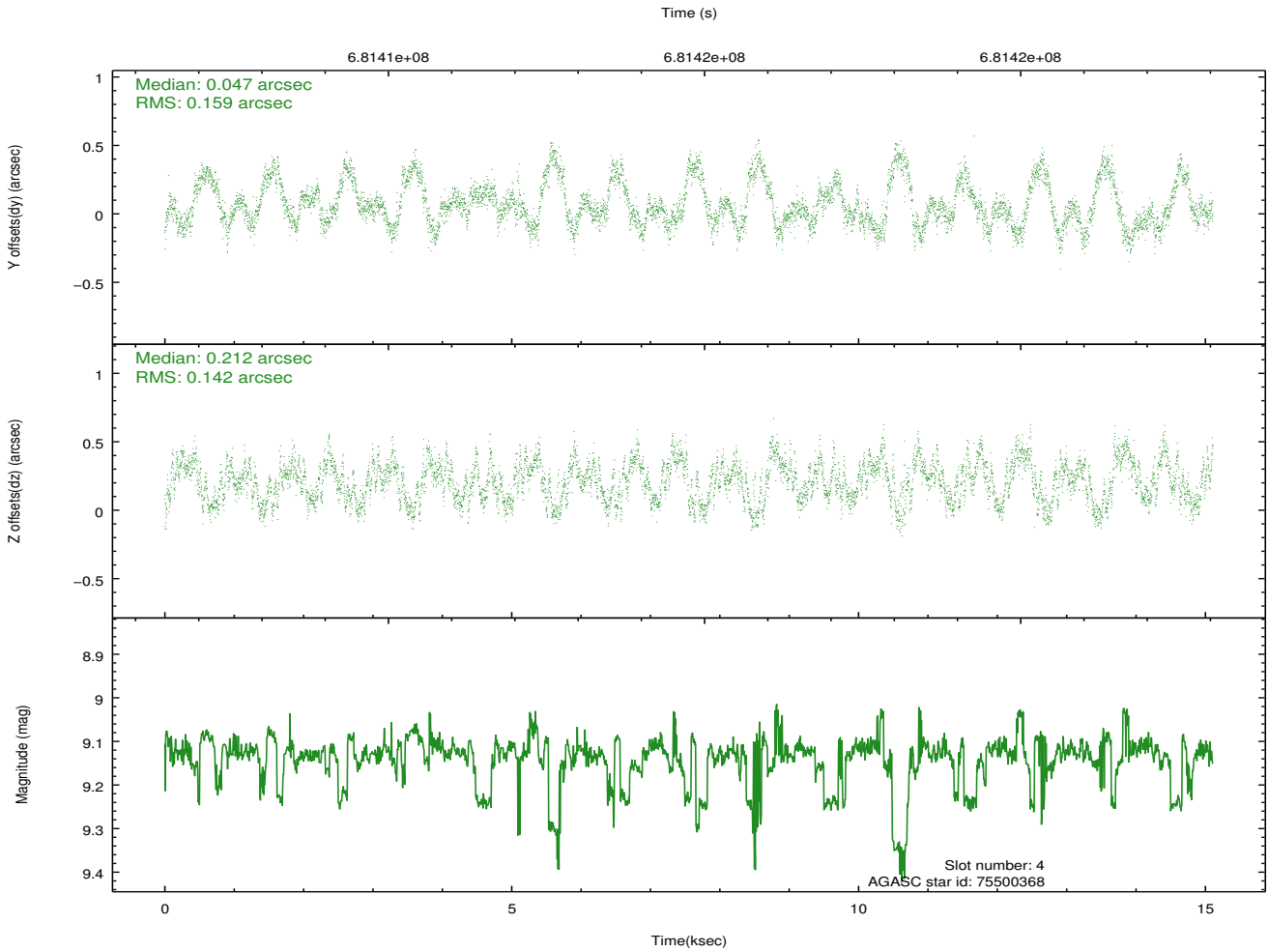
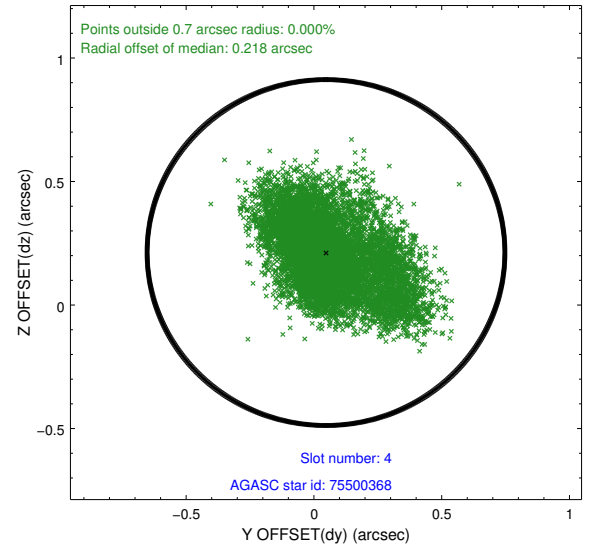
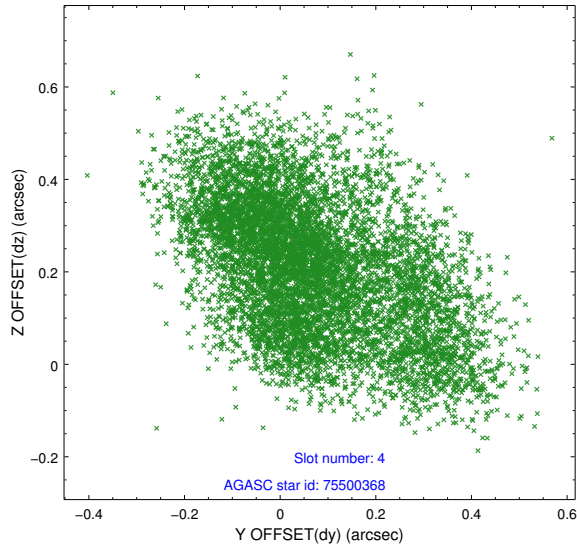
id	status	used	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_x
0	FID		6.98	3684	1.000	-0.302	-0.211	0.017	0.024	0.000000	0.000000	-770.05	-1742
1	FID		7.10	3686	1.000	0.758	0.203	0.012	0.019	0.000000	0.000000	2144.08	165
2	FID		7.05	3686	1.000	-0.487	0.018	0.019	0.027	0.000000	0.000000	-1822.76	159
3	GUIDE	used	9.31	7363	1.000	-0.183	-0.526	0.281	0.474	345.058096	2.406929	1260.70	823
4	GUIDE	used	9.13	7365	1.000	0.047	0.212	0.228	0.372	345.404137	1.857050	-1072.21	980
5	GUIDE	used	9.22	7351	1.000	-0.097	-0.211	0.123	0.224	345.214687	1.812014	-802.96	1626
6	GUIDE	used	9.06	7359	1.000	-0.052	-0.004	0.194	0.290	345.626465	2.795722	1191.61	-1652
7	GUIDE	used	7.96	7364	1.000	0.250	0.489	0.122	0.185	345.937590	2.608900	-8.73	-2162

2.4 Star Slots

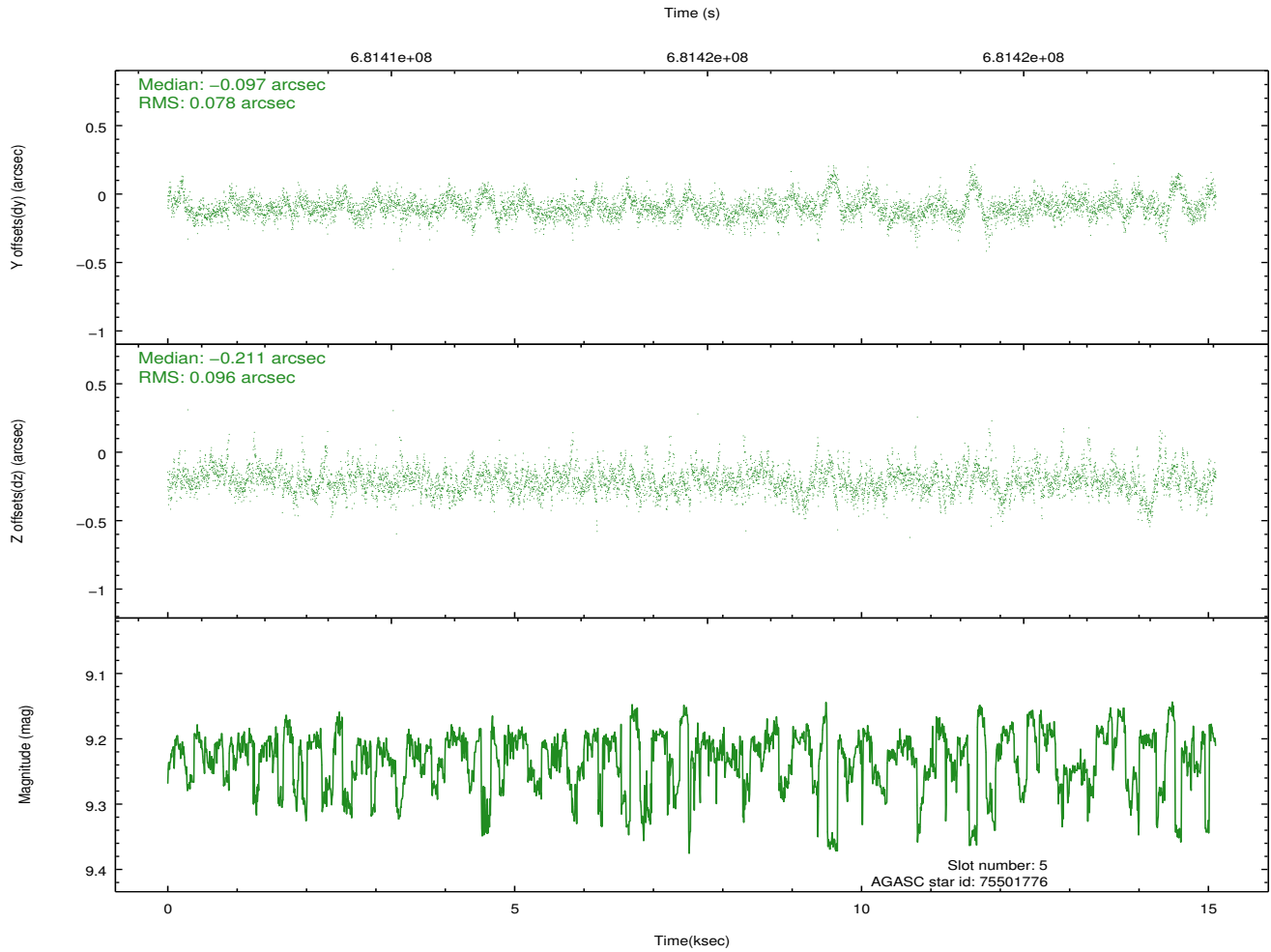
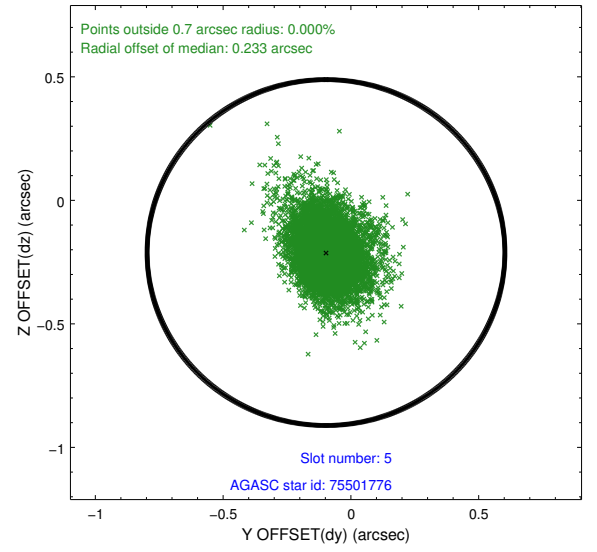
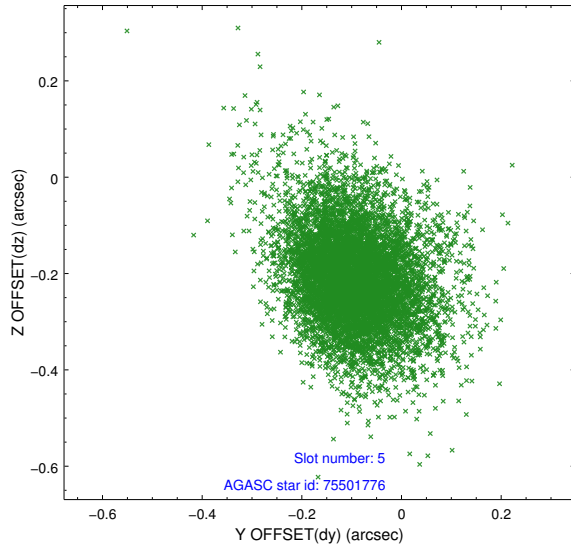
2.4.1 Slot 3



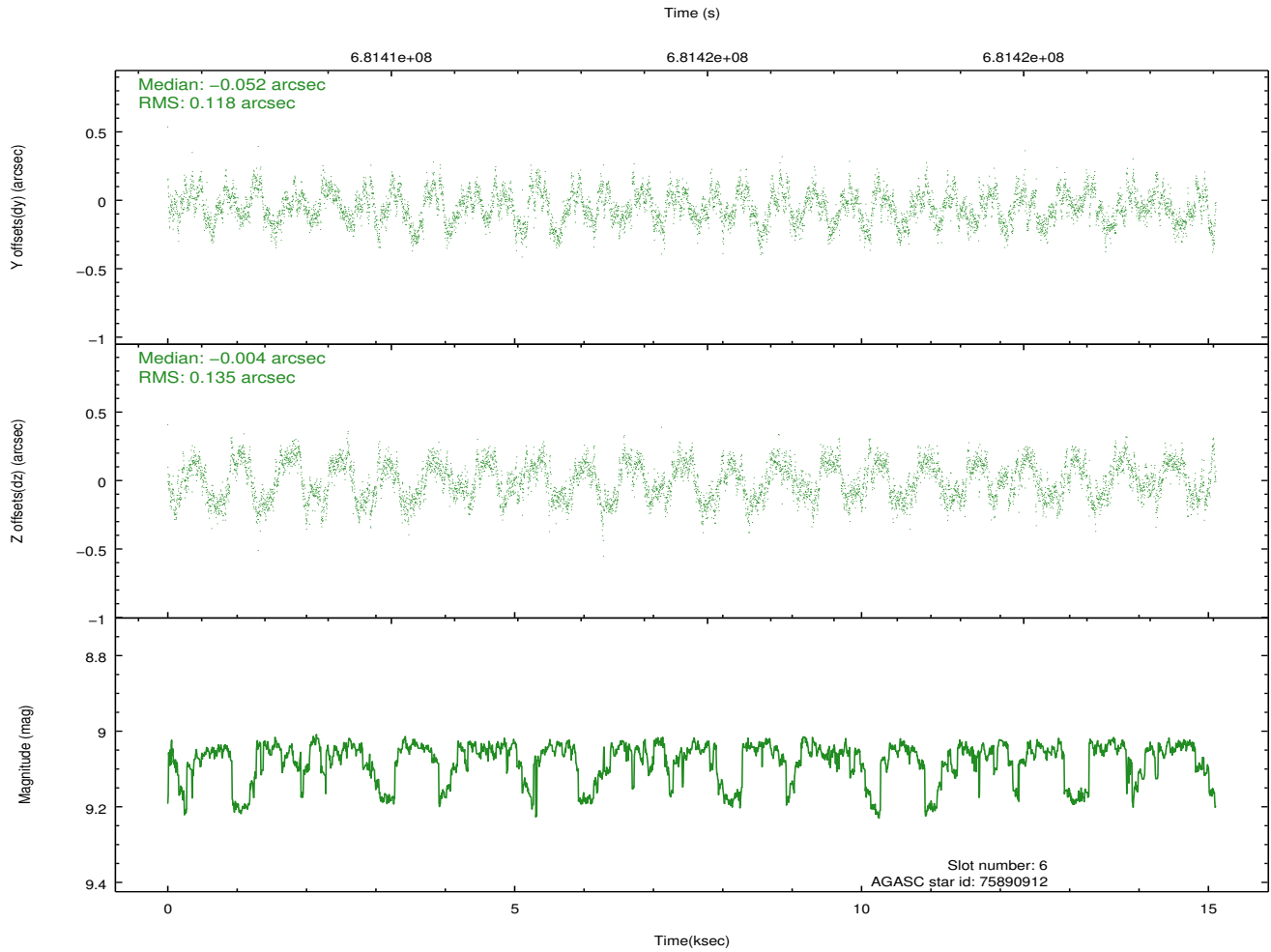
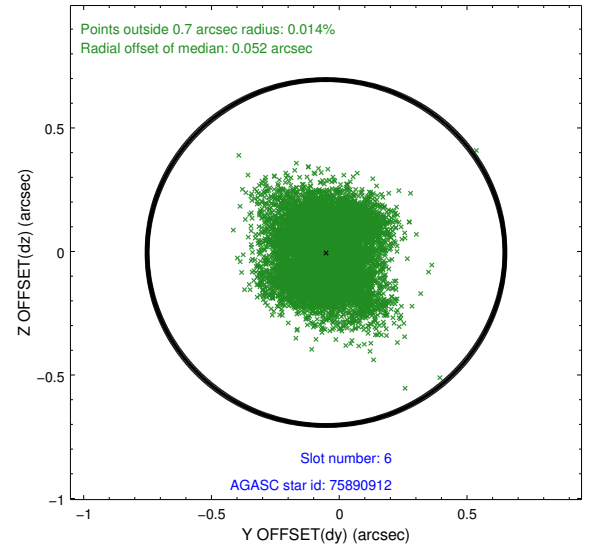
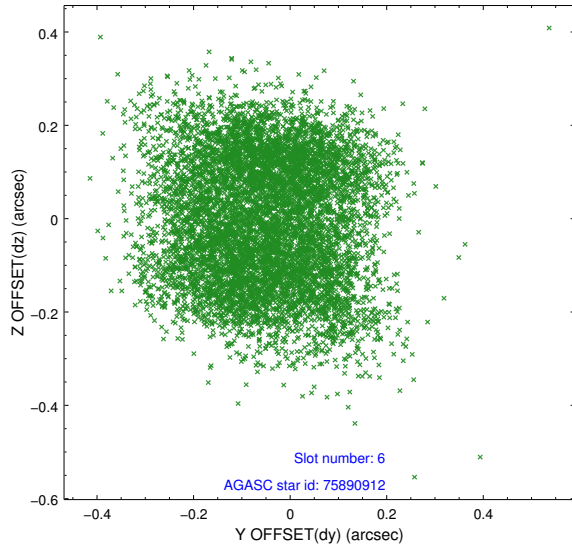
2.4.2 Slot 4



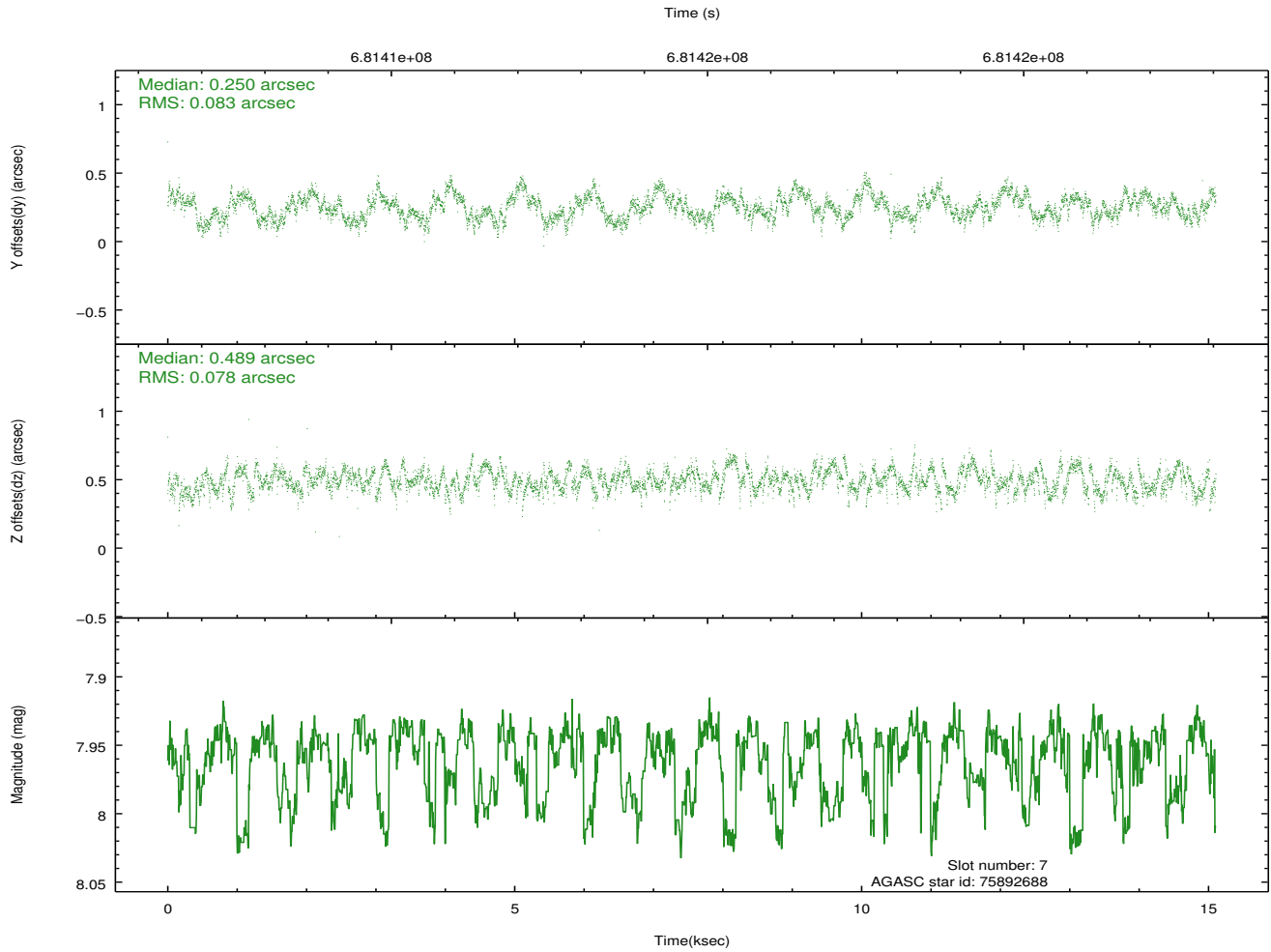
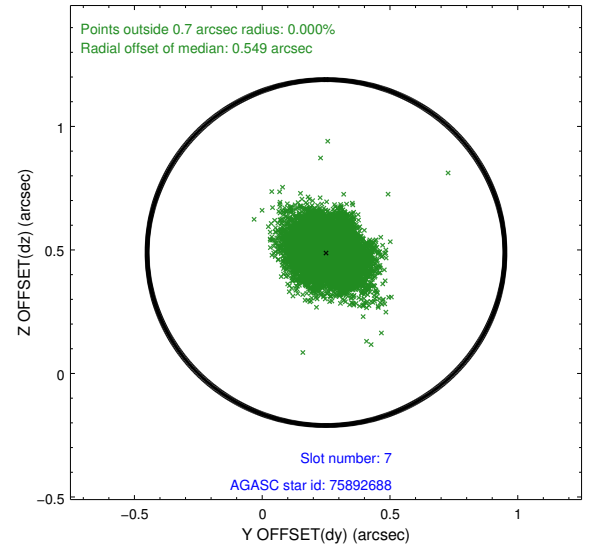
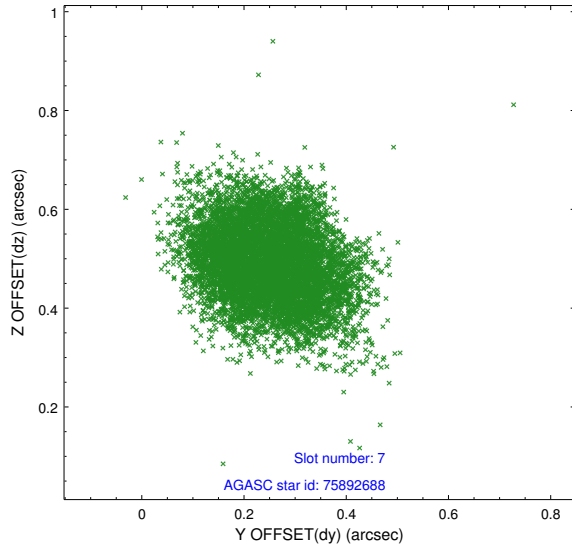
2.4.3 Slot 5



2.4.4 Slot 6

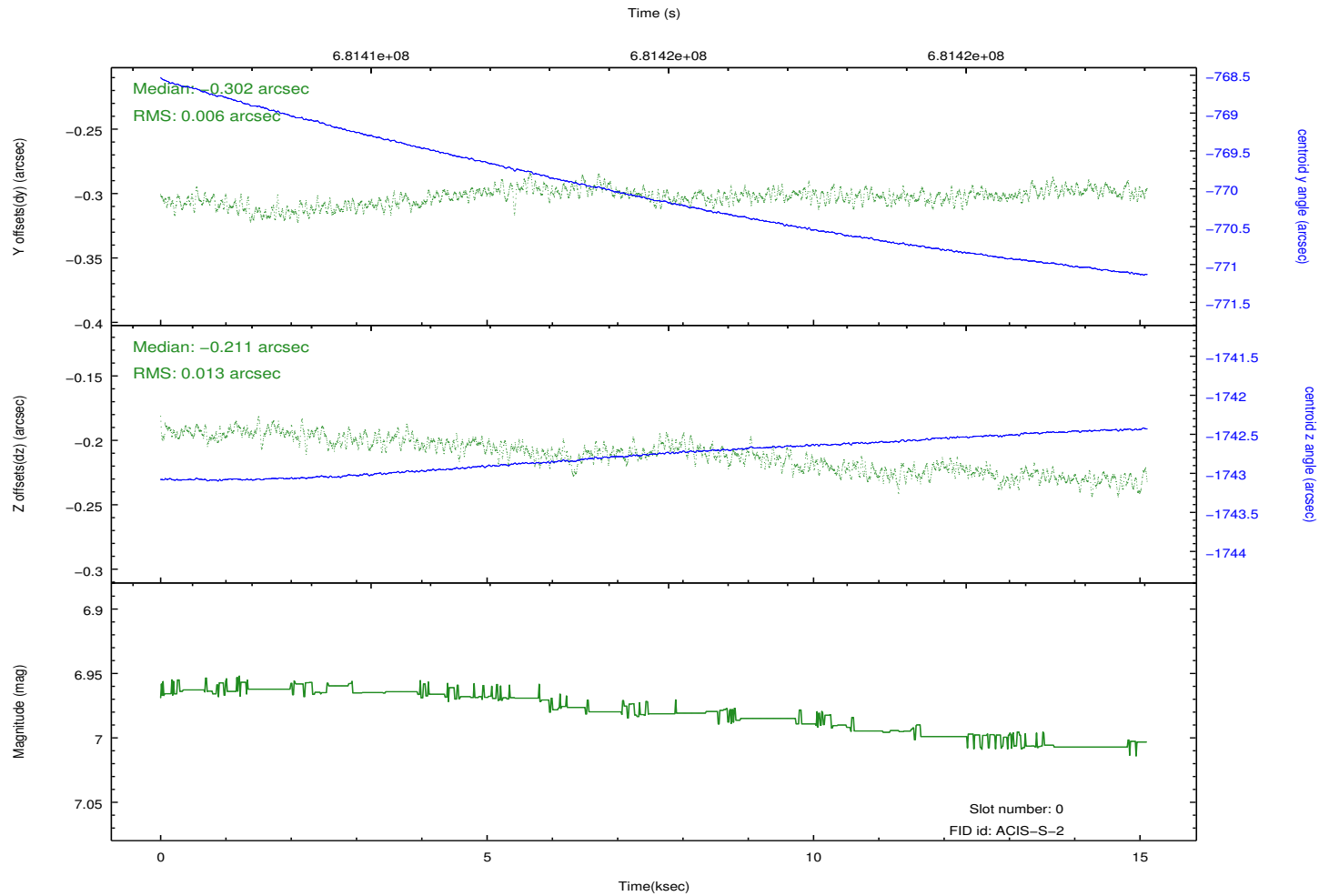
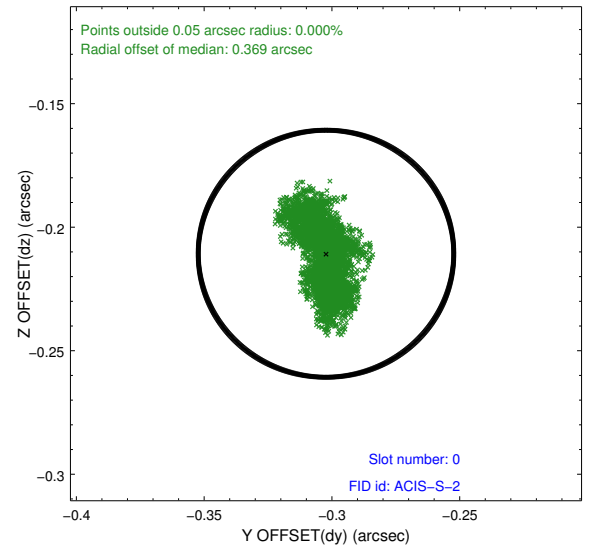
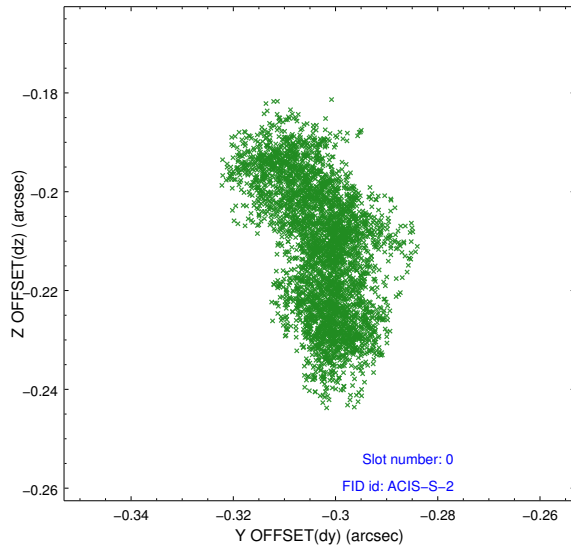


2.4.5 Slot 7

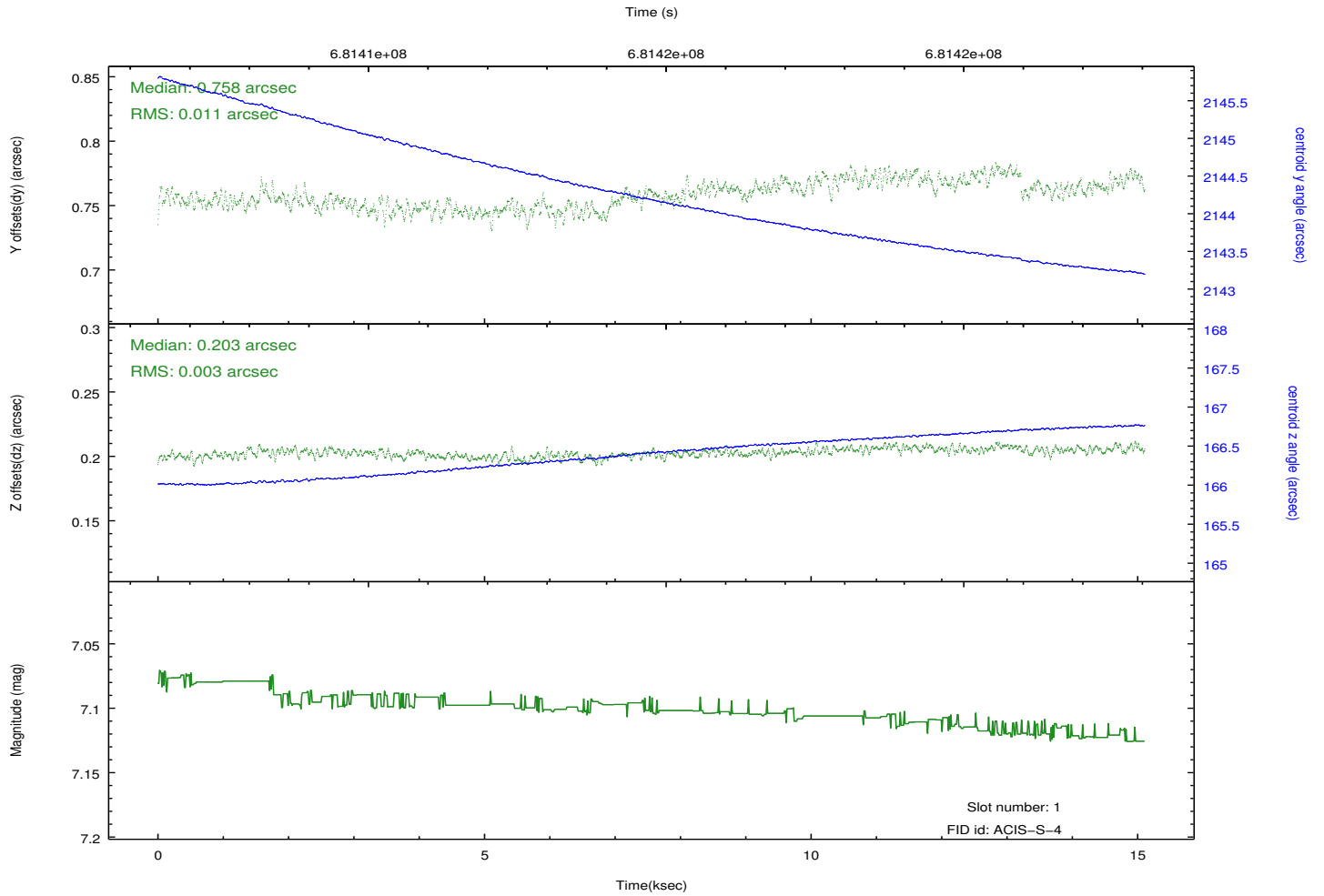
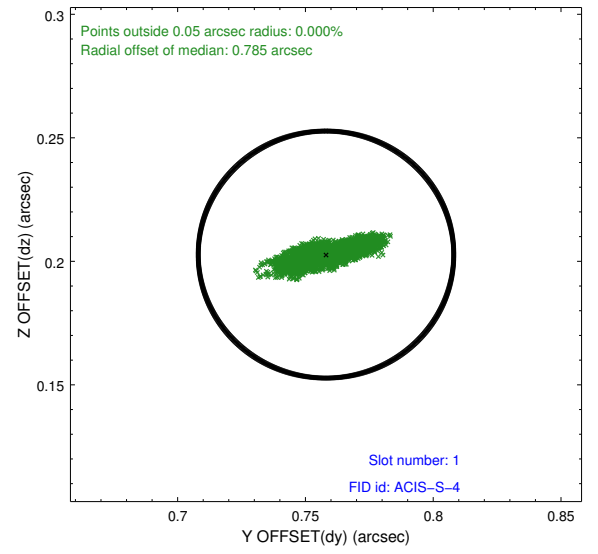
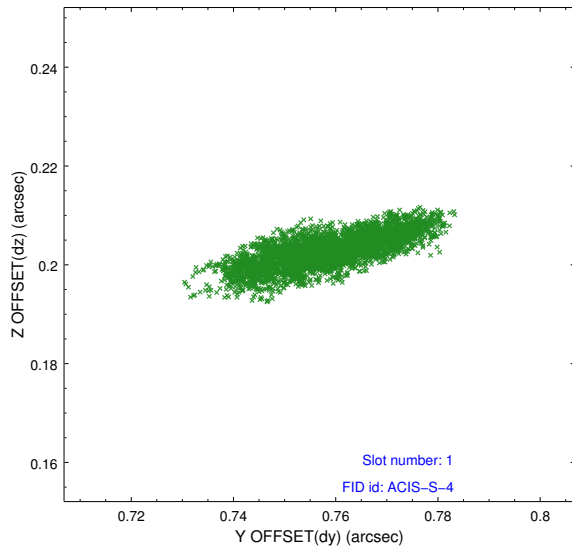


2.5 FID Slots

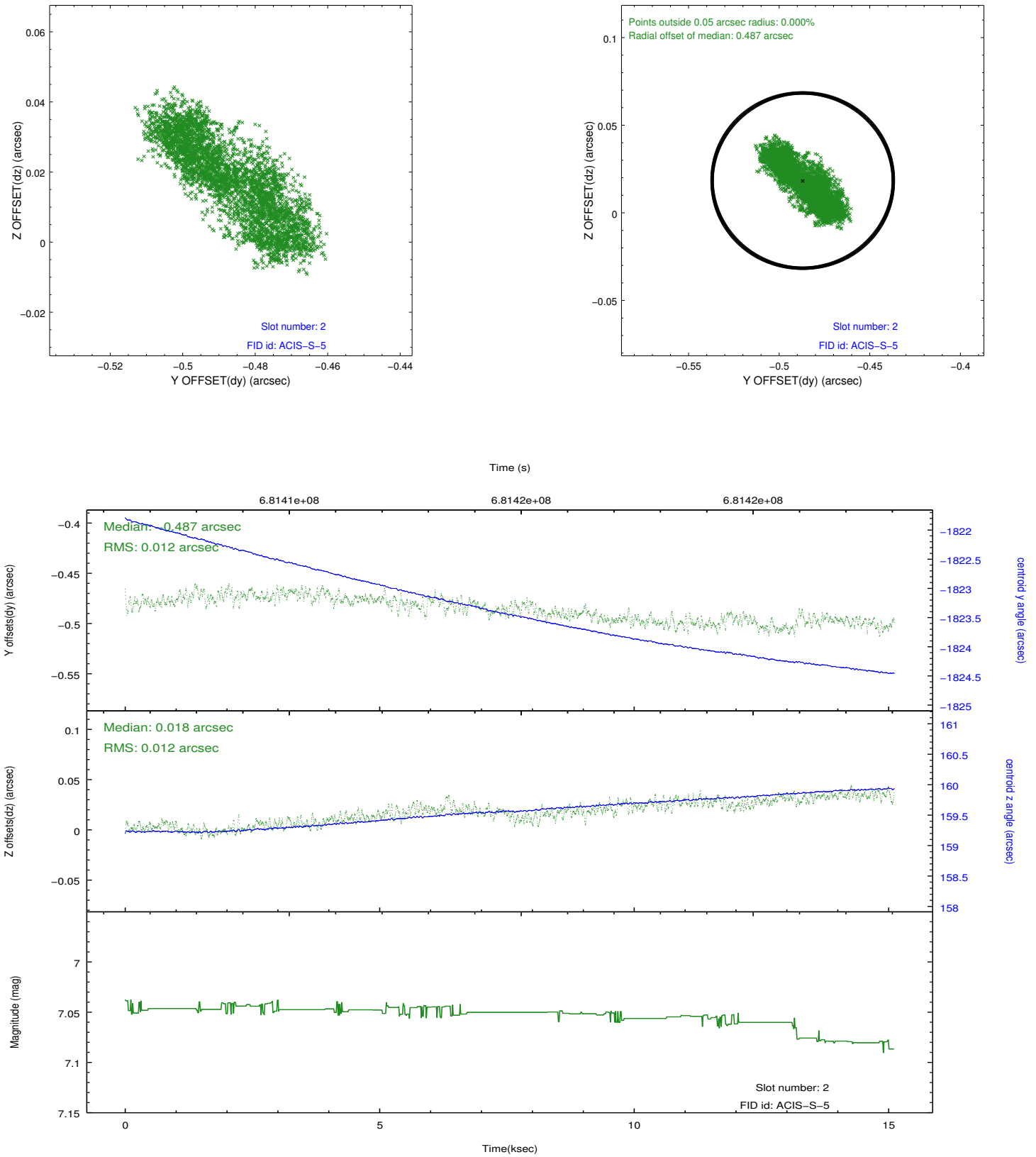
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2019.08.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.091638592362

A.2 Comments