

V&V Reference Report

L2 ASCDS Version : 10.4.3

Observation 18109 - L2 Version 1
Chandra X-Ray Center

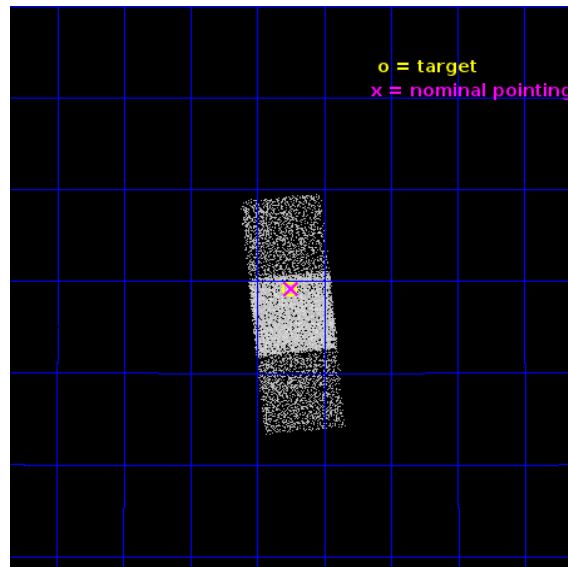
L2 Processing Date : Dec 29 2015

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1 Front

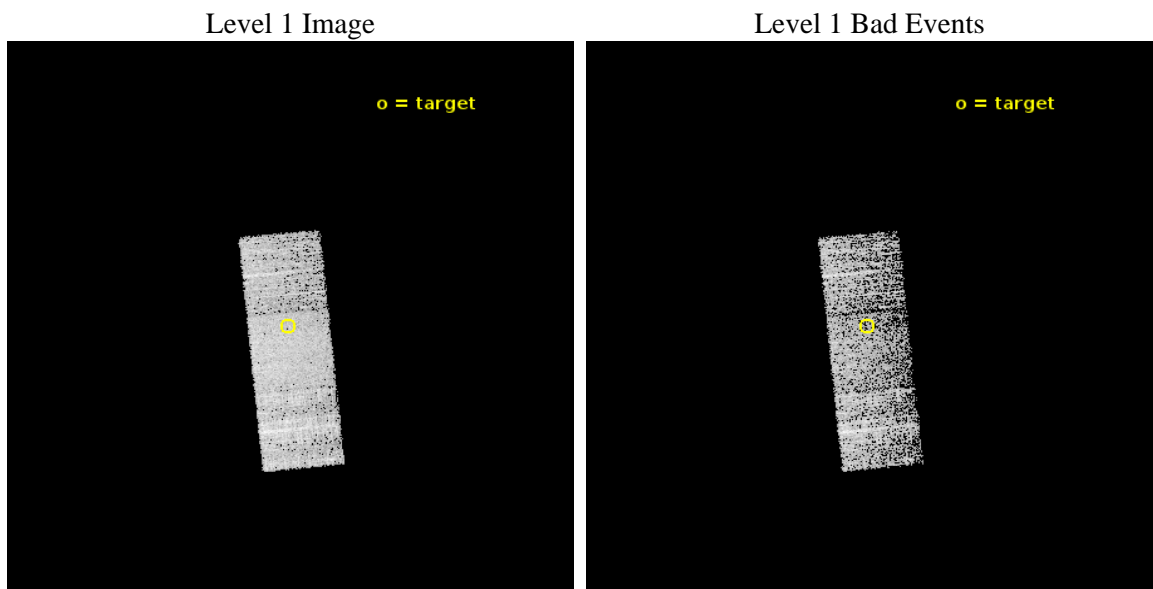
seq_num	703175	Sequence number
obs_id	18109	Observation id
title	Bridging the Gap Between Weak-Line and Typical Quasars	Proposal ti
observer	Prof. William Brandt	Principal investigator
object	SDSS J1019+2119	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	154.93875	Observer's specified target RA [deg]
dec_targ	21.319722	Observer's specified target Dec [deg]
ra_nom	154.93632921822	Nominal RA [deg]
dec_nom	21.319991340356	Nominal Dec [deg]
roll_nom	84.157619380754	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3109.3000240326	Sum of GTIs [s]
livetime	3068.6747301852	Livetime [s]
ontime6	3109.3000240326	Sum of GTIs [s]
ontime7	3109.3000240326	Sum of GTIs [s]
ontime8	3106.1589639187	Sum of GTIs [s]
l2events	13951	Number of level 2 events



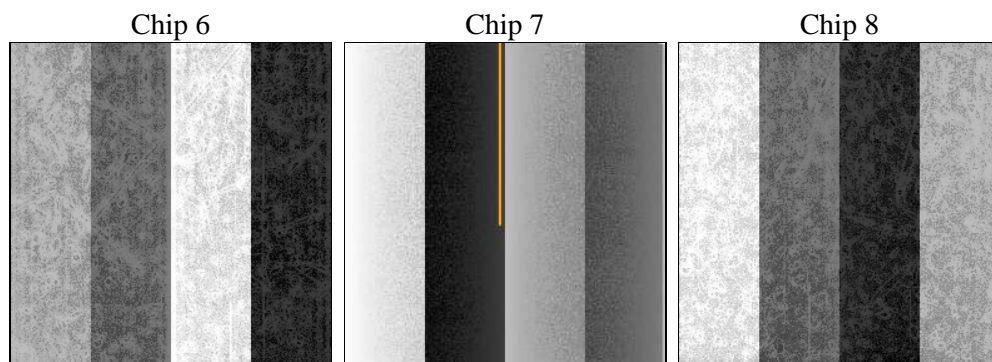
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3	Processing system revision	ontime	3109.3000240326	Sum of GTIs [s]
caldsver	4.7.0	 	ontime6	3109.3000240326	Sum of GTIs [s]
date	2015-12-29T13:09:19	Date and time of file creation	ontime7	3109.3000240326	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	3106.1589639187	Sum of GTIs [s]
			l1events	67903	Number of level 1 events

2.1.4 Events

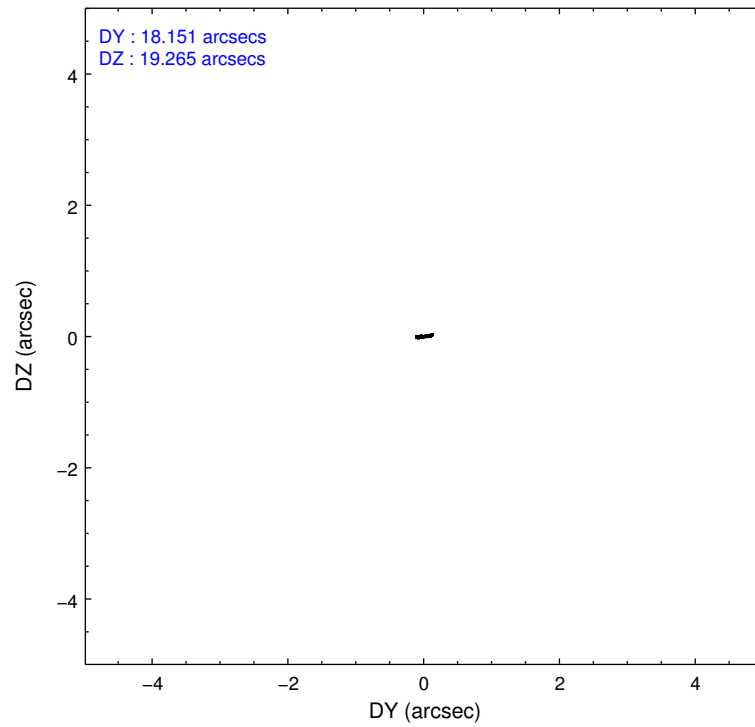
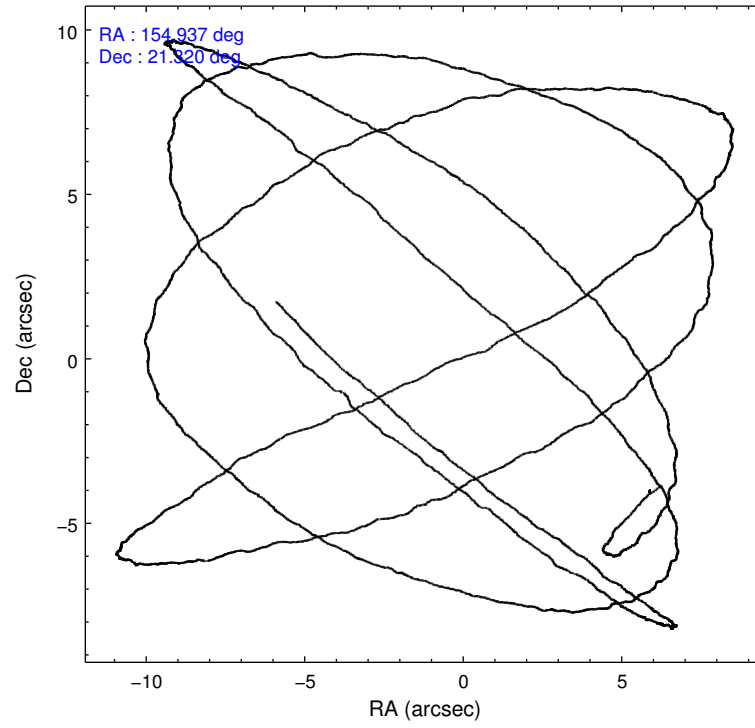
	ccd 6	ccd 7	ccd 8
level 1 events	17989	24432	25482
rejected events	15829	14020	19172
rejected %	87%	57%	75%

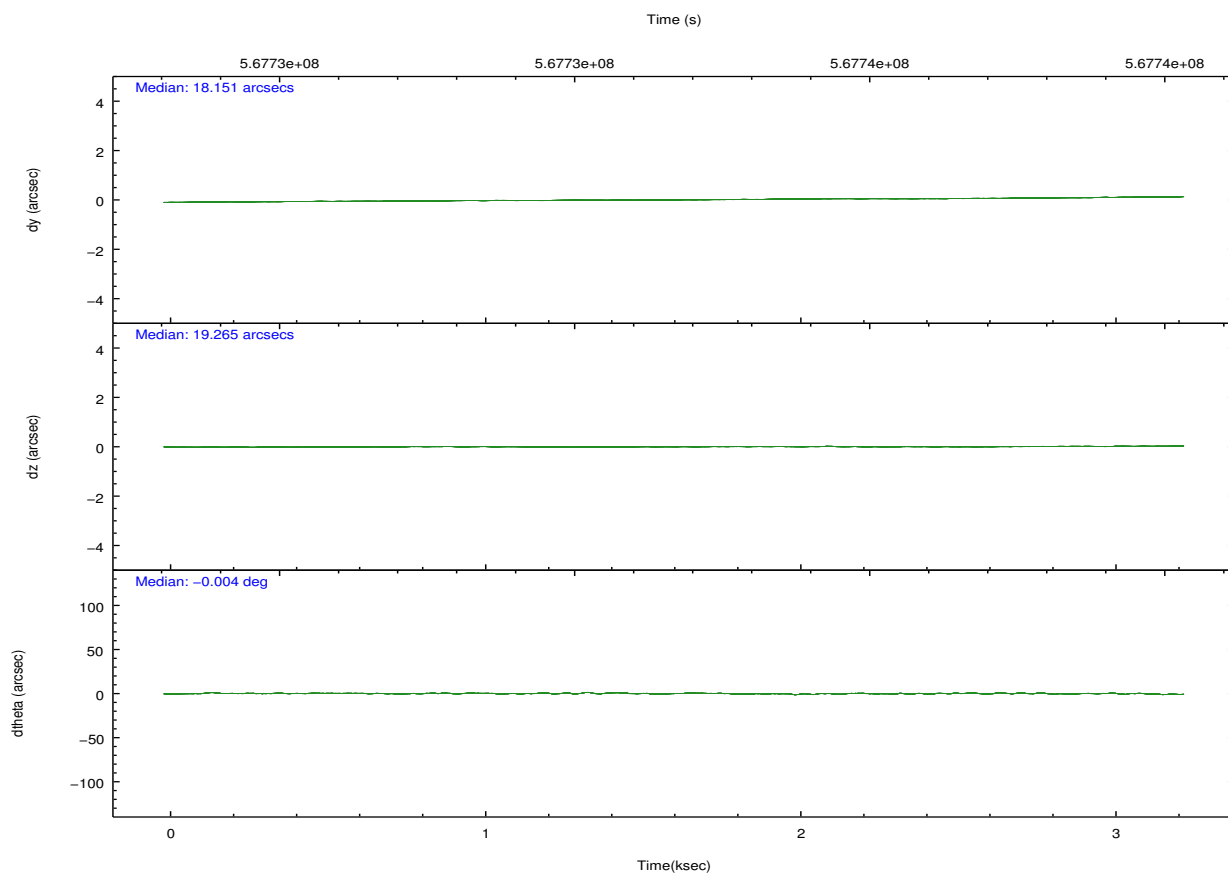
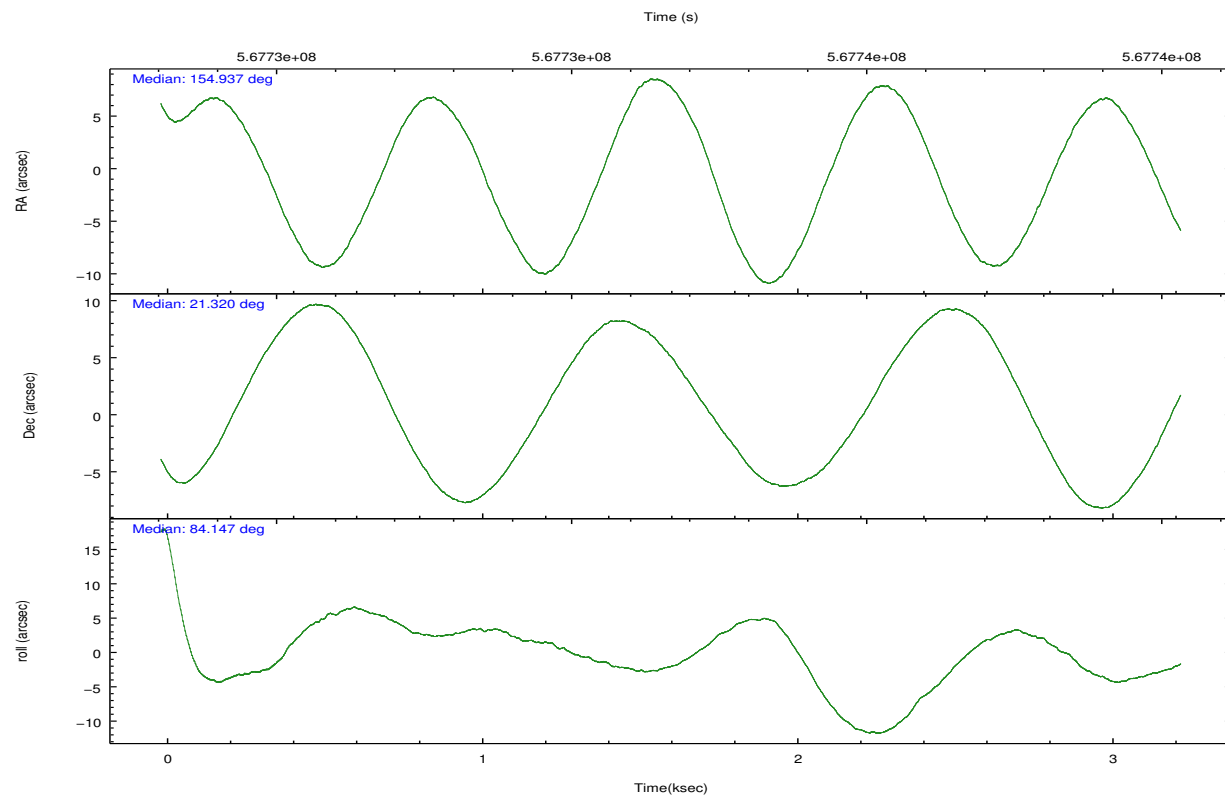
	ccd 6	ccd 7	ccd 8
grade 0 events	686	863	1793
	3%	3%	7%
grade 1 events	7	36	21
	0%	0%	0%
grade 2 events	532	2194	1516
	2%	8%	5%
grade 3 events	220	737	617
	1%	3%	2%
grade 4 events	206	824	601
	1%	3%	2%
grade 5 events	837	2256	1315
	4%	9%	5%
grade 6 events	524	5815	1802
	2%	23%	7%
grade 7 events	14977	11707	17817
	83%	47%	69%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	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	154.948622	154.9363292182211	Subarray requested	NONE	NONE
[deg] Pointing Dec	21.295214	21.31999134035618	Alternating exposures requested	N	N
[deg] Pointing Roll	83.996410	84.15761938075384	[s] Primary exposure time	0.000000	3.1
[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)	567732951.184000	567731942.1375			
Observation start date	2015-12-28T23:34:43	2015-12-28T23:19:02			
[s] Observation end time (MET)	567735951.184000	567737327.48781			
Observation end date	2015-12-29T00:24:43	2015-12-29T00:48:47			
Read mode	TIMED	TIMED			

2.3 Aspect



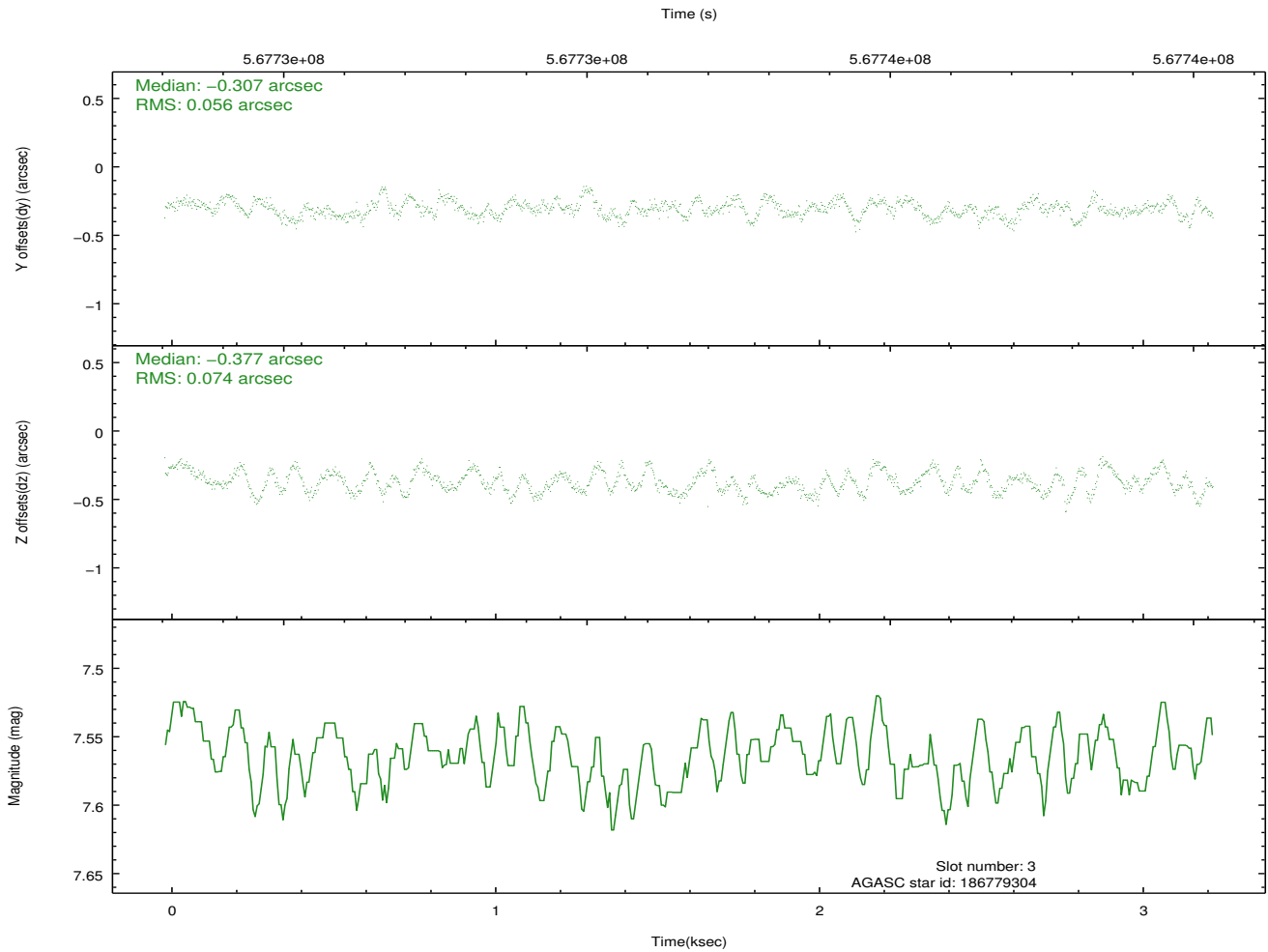
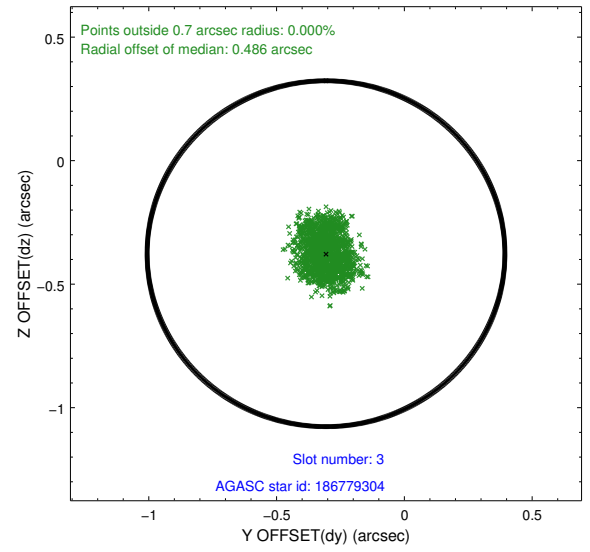
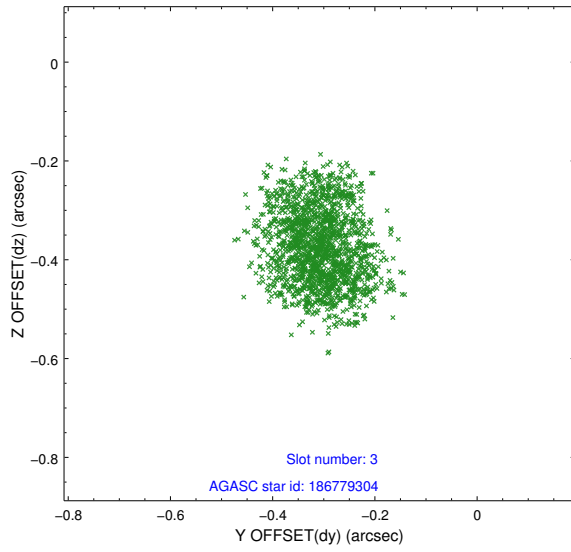


Slot Statistics

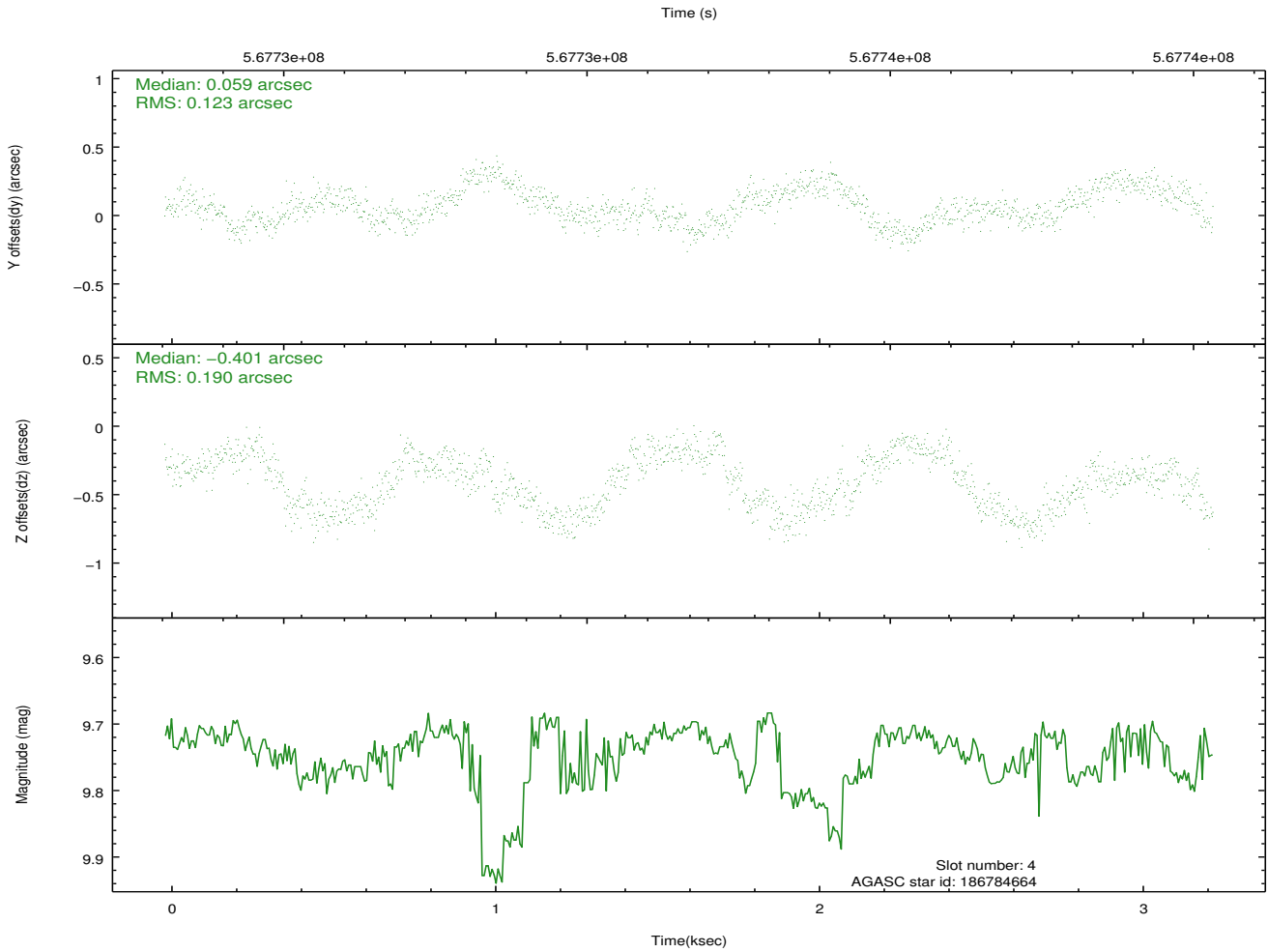
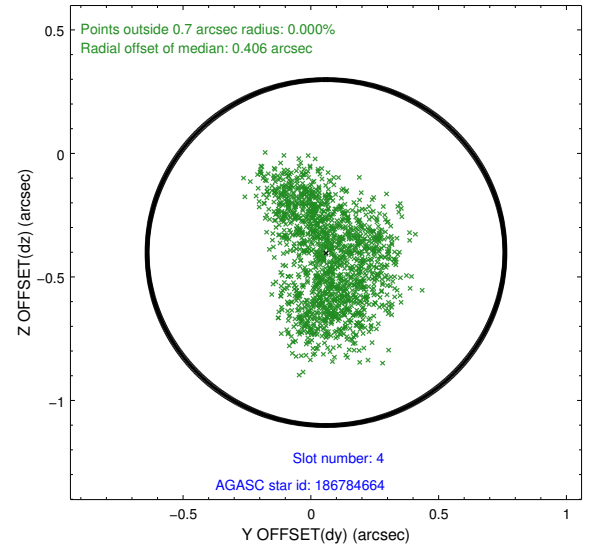
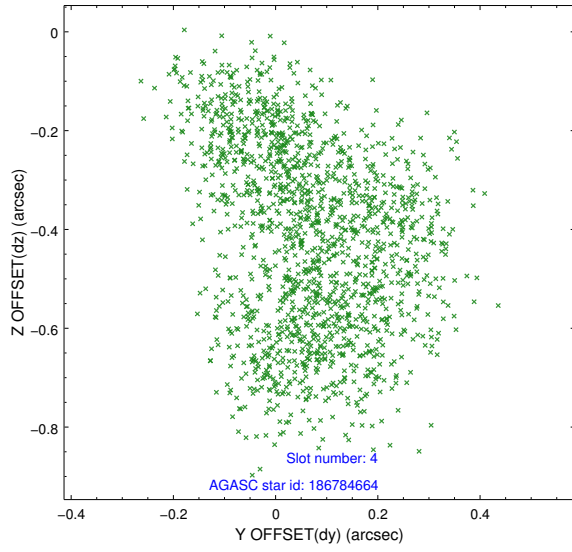
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.15	790	-0.185	-0.147	0.007	0.012	0.000000	0.000000	-771.38	-1740.91
1	FID		ACIS-S-4	7.24	790	0.473	0.128	0.006	0.011	0.000000	0.000000	2141.63	165.83
2	FID		ACIS-S-5	7.26	790	-0.319	0.027	0.007	0.011	0.000000	0.000000	-1821.86	161.60
3	GUIDE	used	186779304	7.56	1580	-0.307	-0.377	0.103	0.154	154.495566	21.968561	2254.61	1758.86
4	GUIDE	used	186784664	9.74	1576	0.059	-0.401	0.249	0.362	154.260964	21.291809	-246.71	2294.41
5	GUIDE	used	186911048	9.24	1578	-0.052	0.450	0.133	0.212	155.458376	21.346993	367.29	-1676.68
6	GUIDE	used	186911768	8.95	1579	0.072	0.366	0.164	0.265	155.428348	21.393746	524.24	-1561.03
7	GUIDE	used	186913968	9.19	1577	0.225	-0.027	0.158	0.250	154.826927	20.959192	-1244.51	279.70

2.4 Star Slots

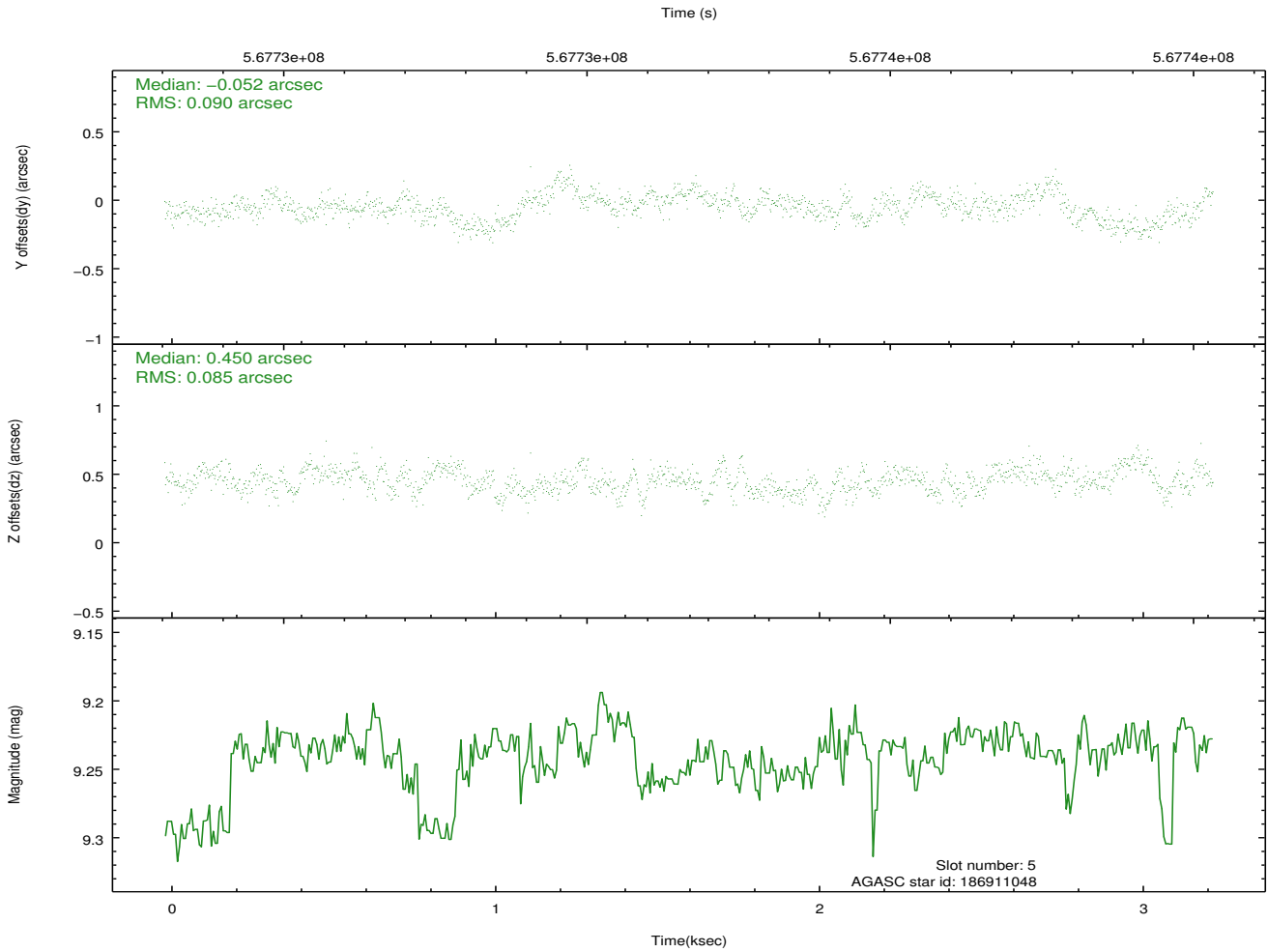
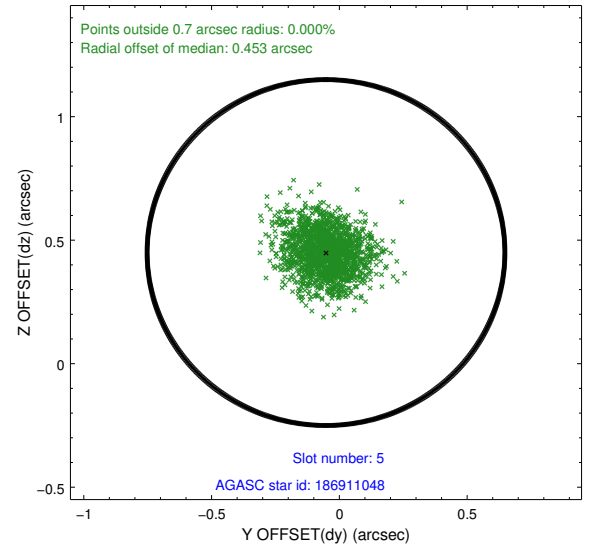
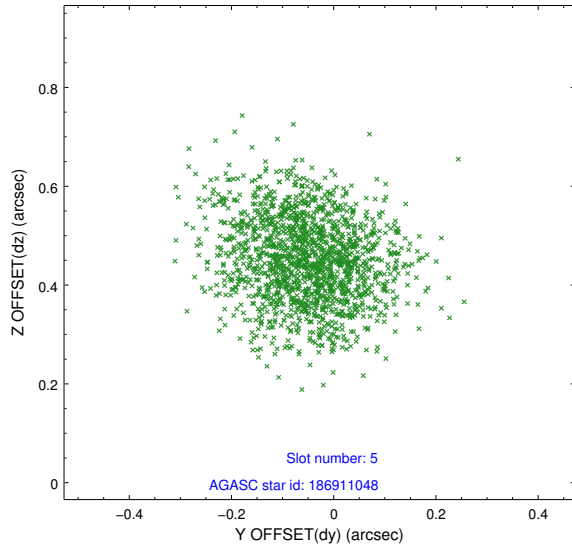
2.4.1 Slot 3



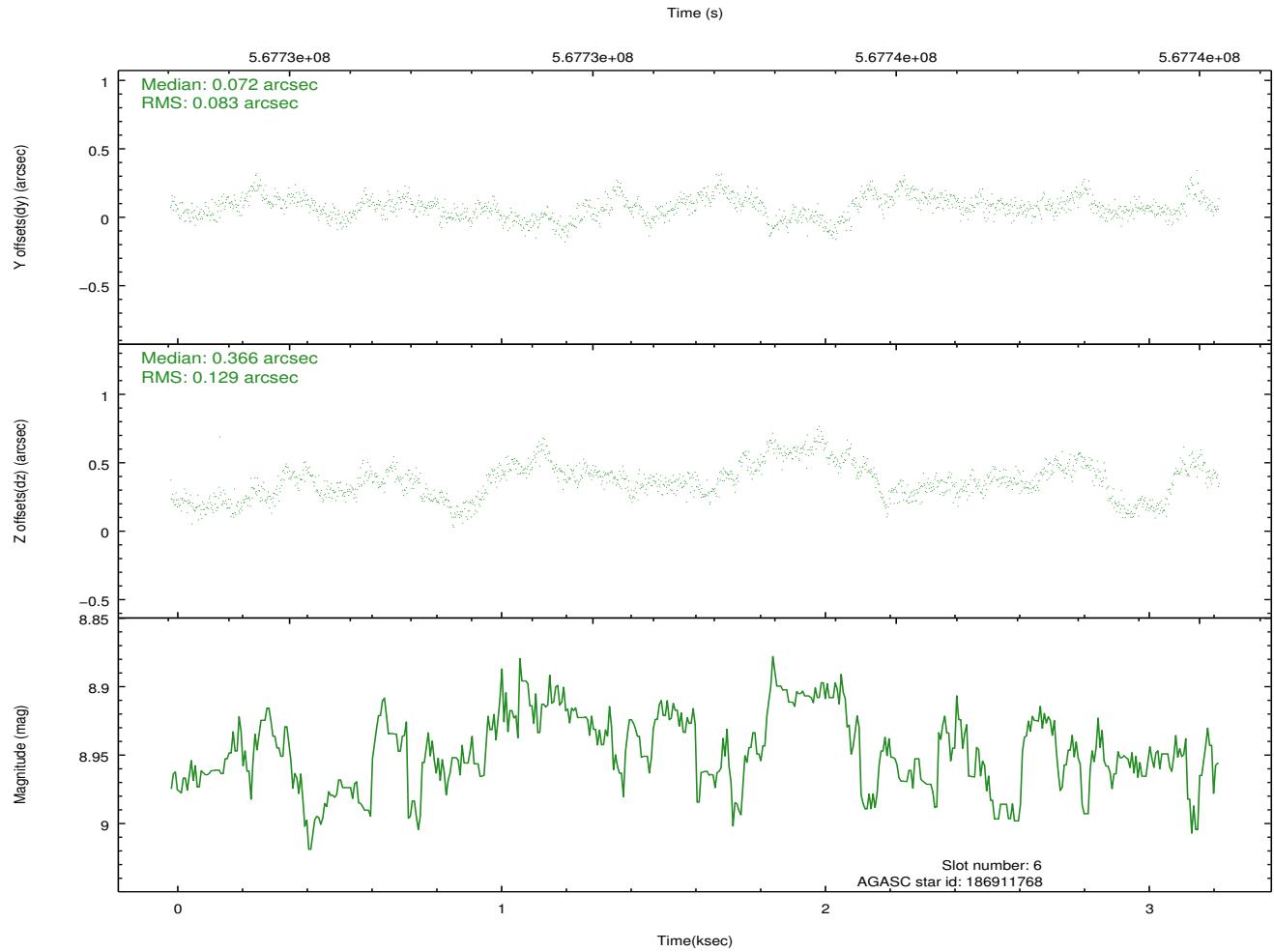
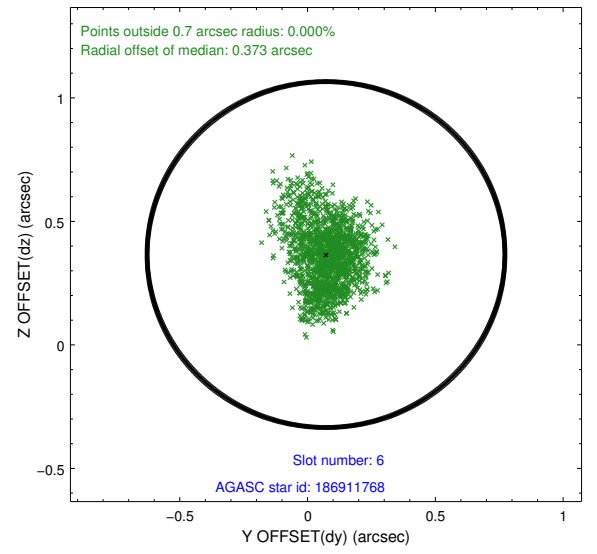
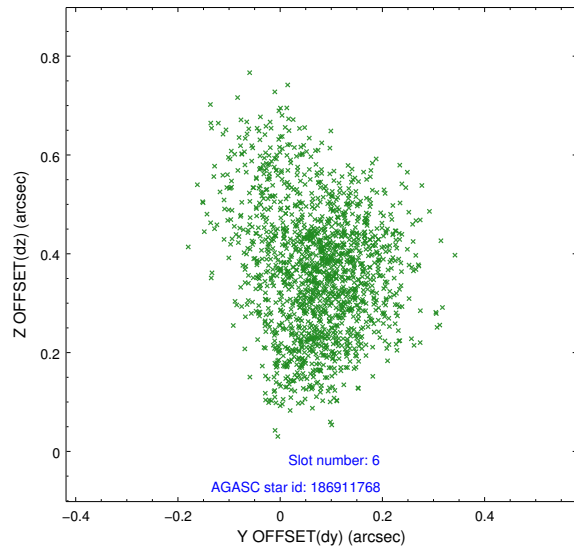
2.4.2 Slot 4



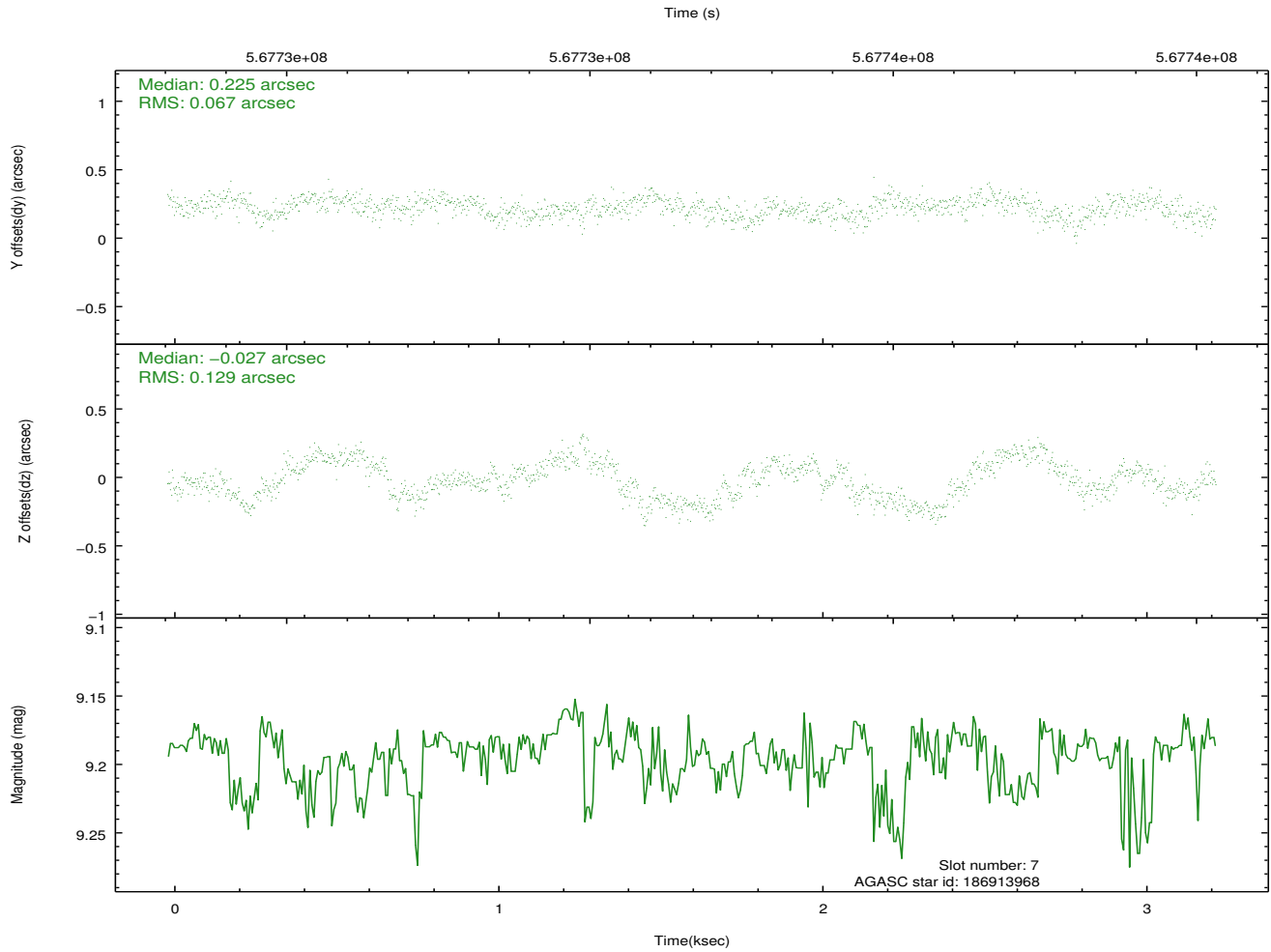
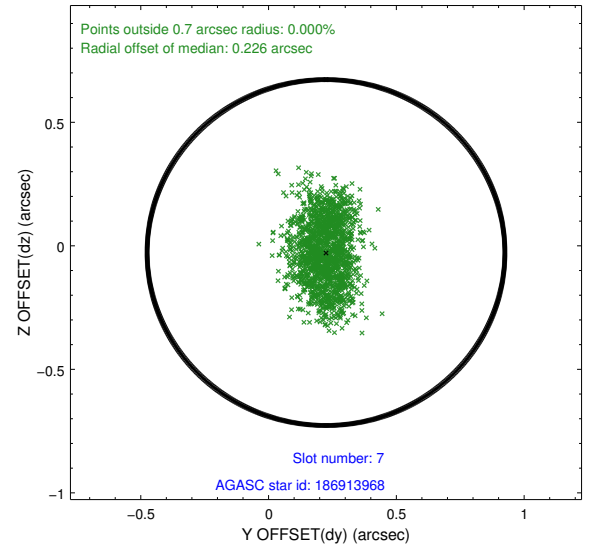
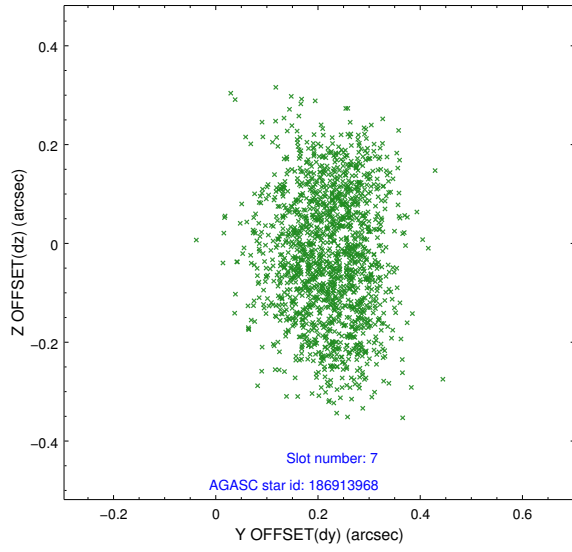
2.4.3 Slot 5



2.4.4 Slot 6

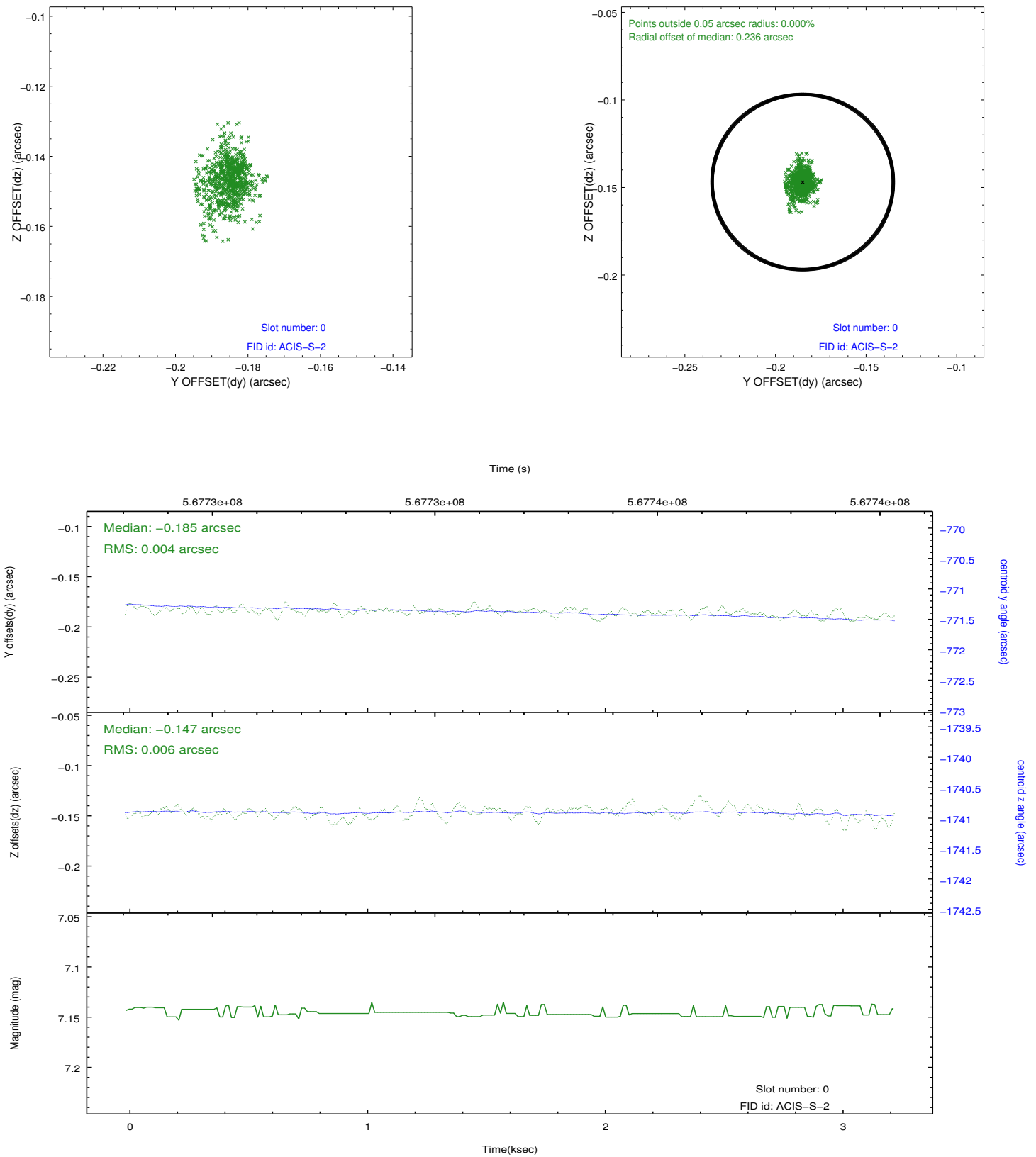


2.4.5 Slot 7

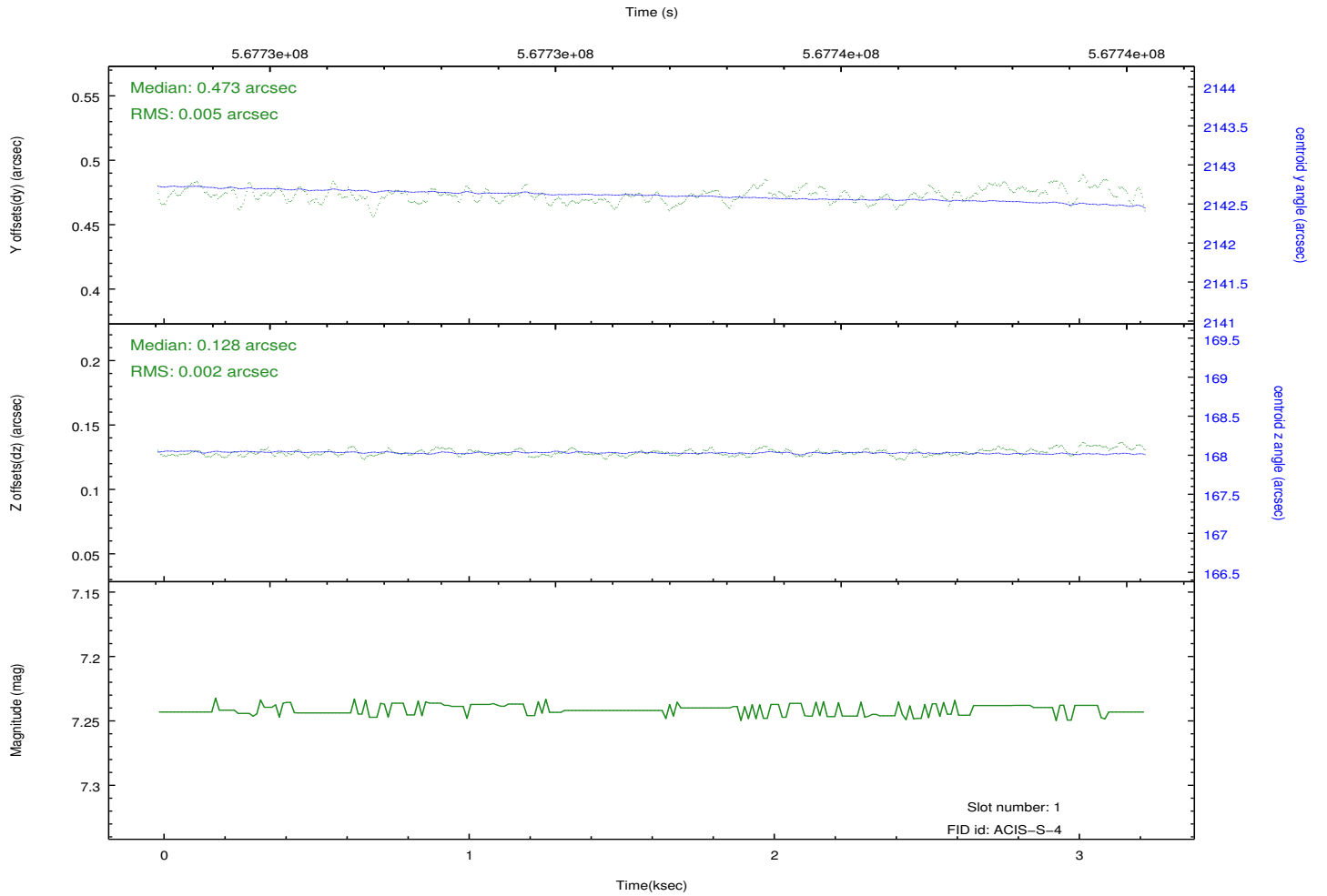
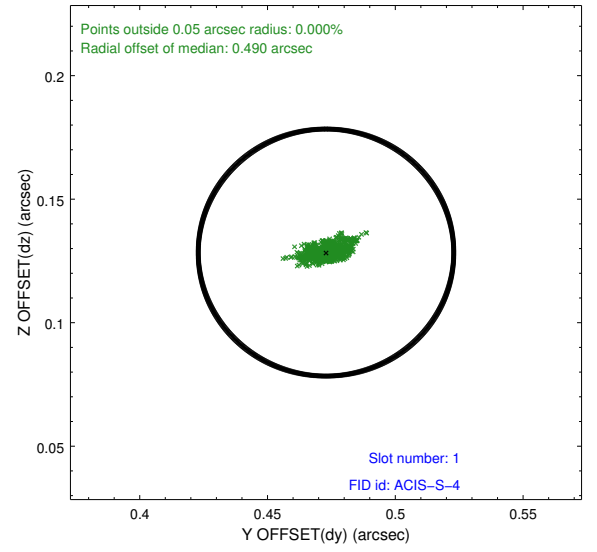
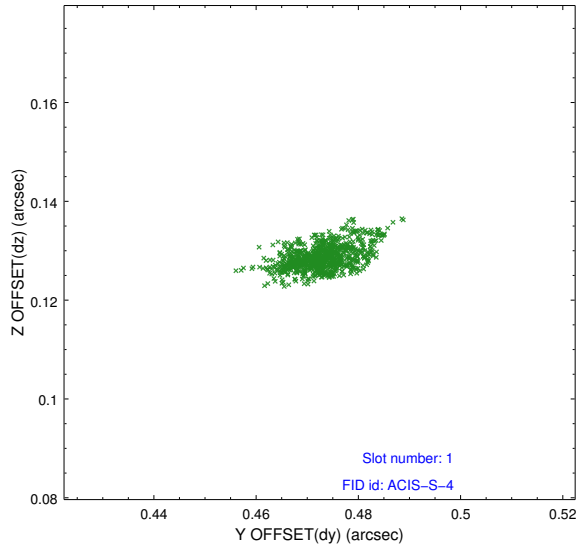


2.5 FID Slots

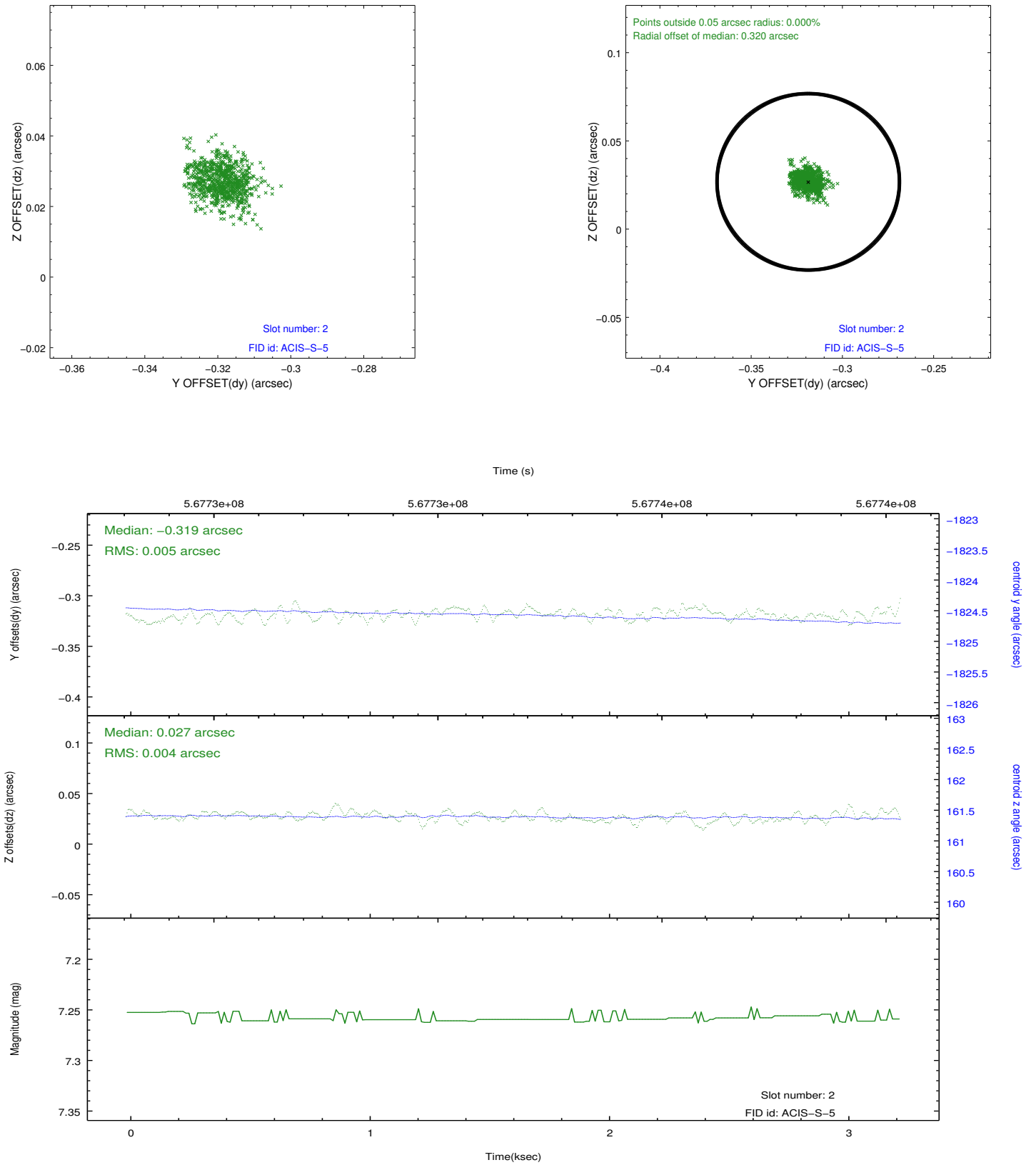
2.5.1 Slot 0



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)	2015.12.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1093000240326

A.2 Comments