

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 20114 - L2 Version 1
Chandra X-Ray Center

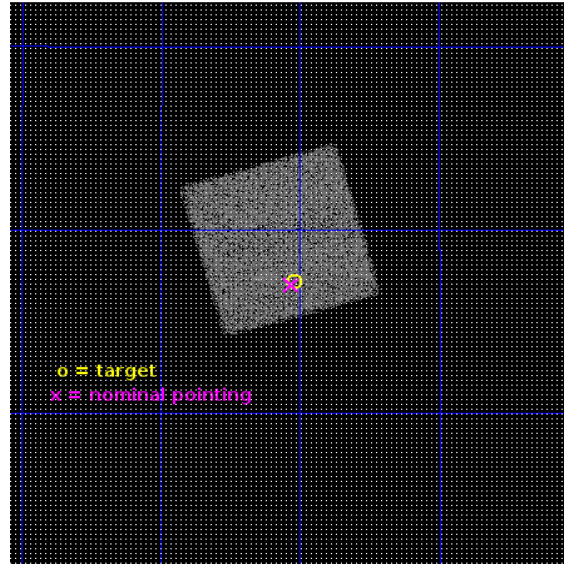
L2 Processing Date : Jul 17 2017

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1 Front

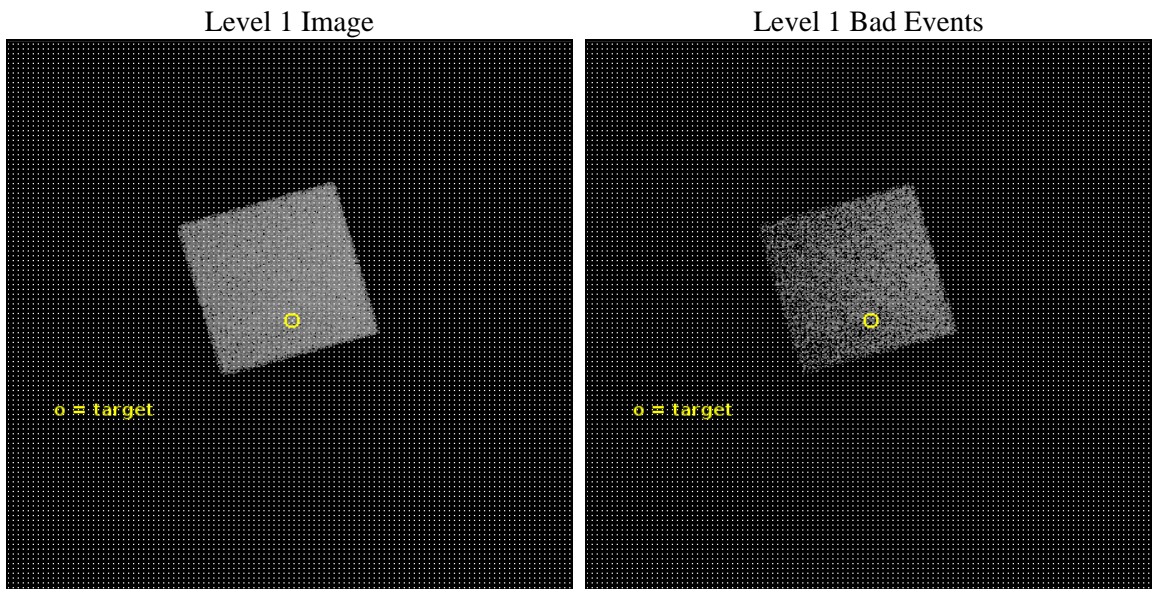
seq_num	703468	Sequence number
obs_id	20114	Observation id
title	X-ray confirmation of two intermediate mass black hole candidates	
observer	Igor Chilingarian	Principal investigator
object	SDSSJ110731.23+134712.8	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	166.88	Observer's specified target RA [deg]
dec_targ	13.786889	Observer's specified target Dec [deg]
ra_nom	166.88282008594	Nominal RA [deg]
dec_nom	13.783656051183	Nominal Dec [deg]
roll_nom	253.88600444305	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10092.0	Sum of GTIs [s]
livetime	9955.8045931655	Livetime [s]
ontime7	10092.0	Sum of GTIs [s]
l2events	34862	Number of level 2 events



2 OBI

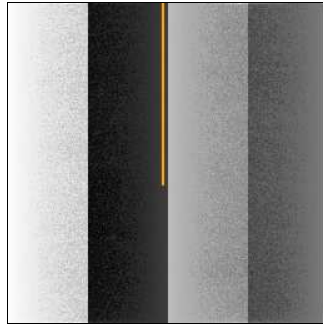
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.856000	[s] Scheduled observation exposure time
ascdsver	10.6	Processing system revision	ontime	10092.0	Sum of GTIs [s]
caldsver	4.7.5	 	ontime7	10092.0	Sum of GTIs [s]
date	2017-07-17T16:56:12	Date and time of file creation	l1events	81629	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

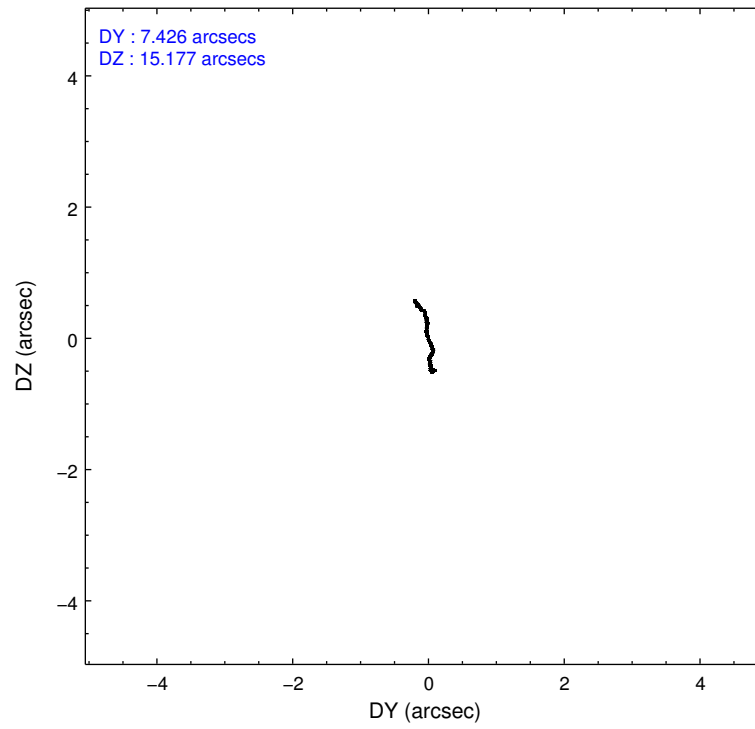
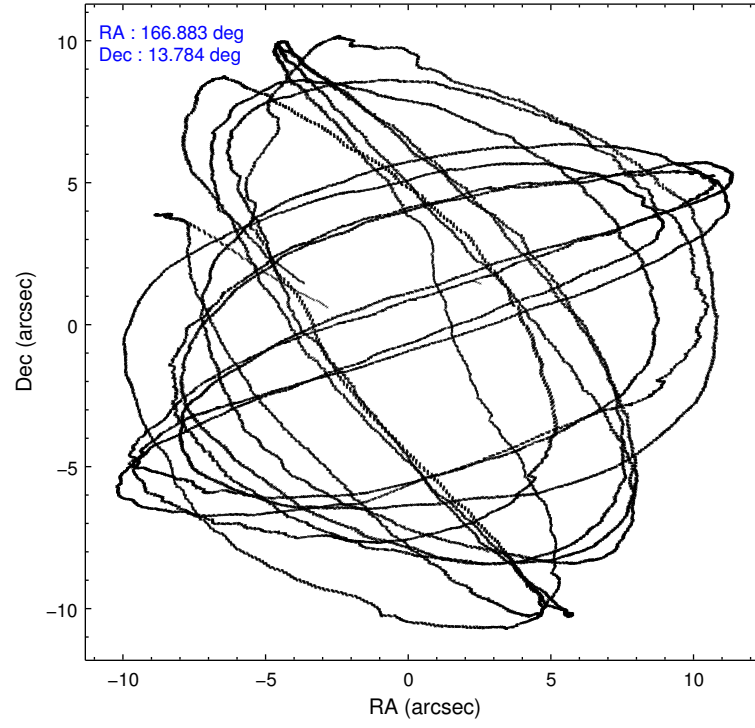
	ccd 7
level 1 events	81629
rejected events	45868
rejected %	56%

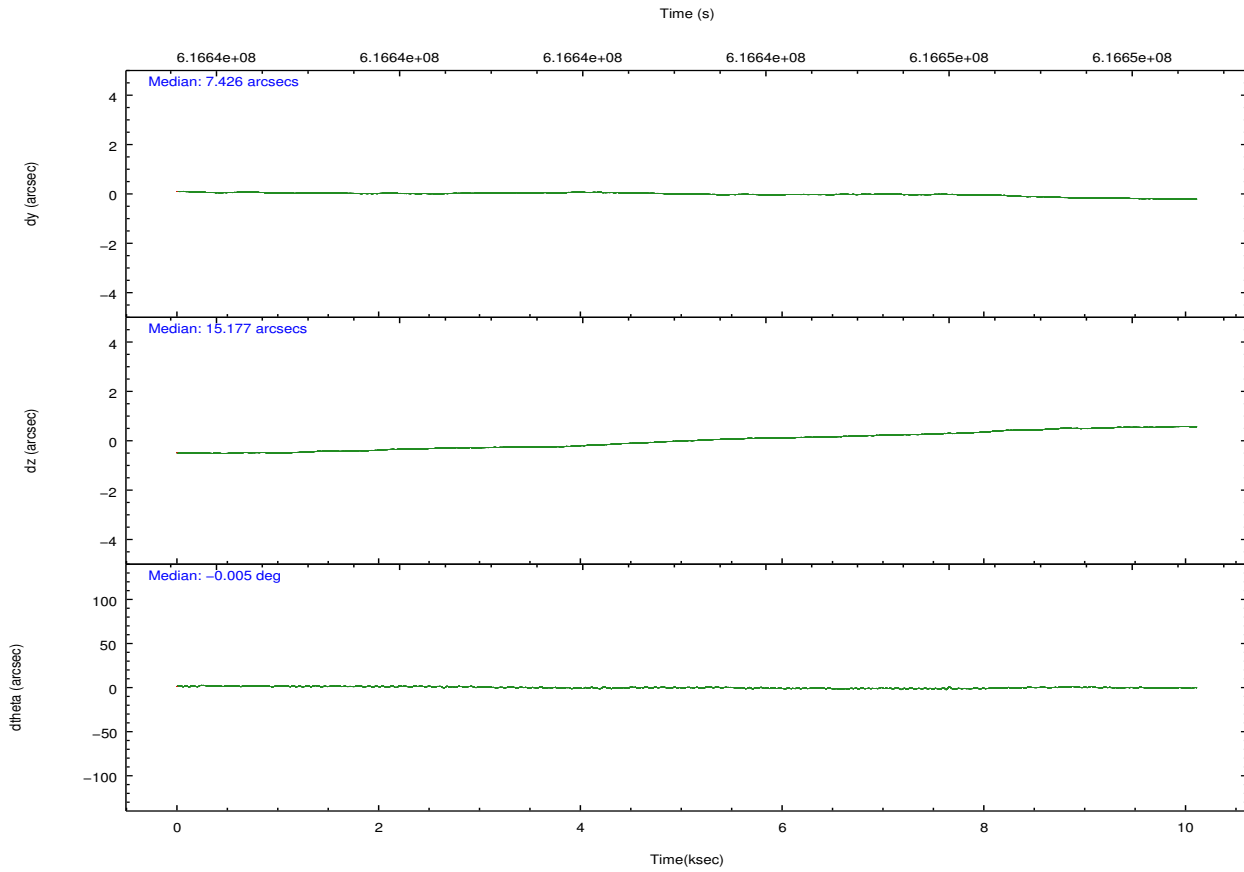
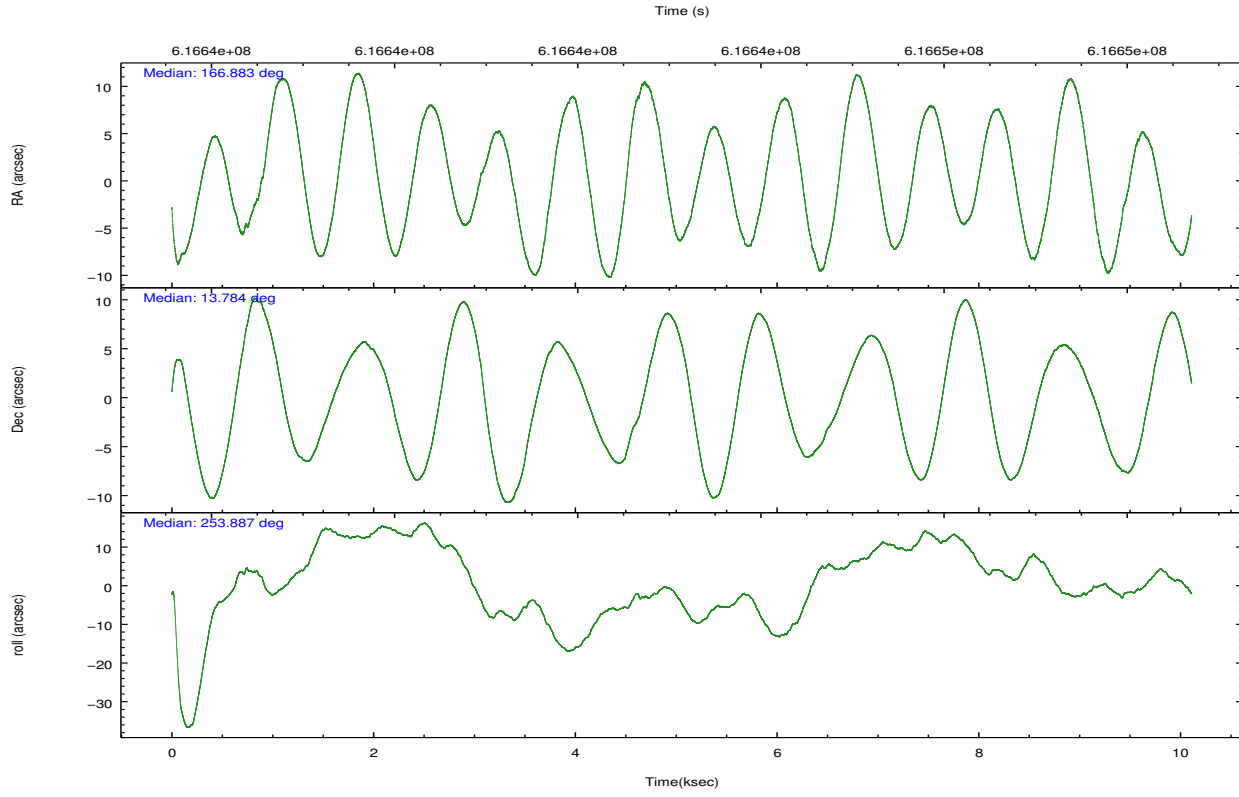
	ccd 7
grade 0 events	3226
	3%
grade 1 events	103
	0%
grade 2 events	7422
	9%
grade 3 events	2779
	3%
grade 4 events	2865
	3%
grade 5 events	7991
	9%
grade 6 events	19484
	23%
grade 7 events	37759
	46%

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	166.875738	166.8828200859398	Subarray requested	NONE	NONE
[deg] Pointing Dec	13.810205	13.78365605118282	Alternating exposures requested	N	N
[deg] Pointing Roll	253.731015	253.8860044430487	[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)	616638179.184000	616636894.02685			
Observation start date	2017-07-17T00:21:50	2017-07-17T00:01:34			
[s] Observation end time (MET)	616648180.184000	616648404.7775199			
Observation end date	2017-07-17T03:08:31	2017-07-17T03:13:24			
Read mode	TIMED	TIMED			

2.3 Aspect



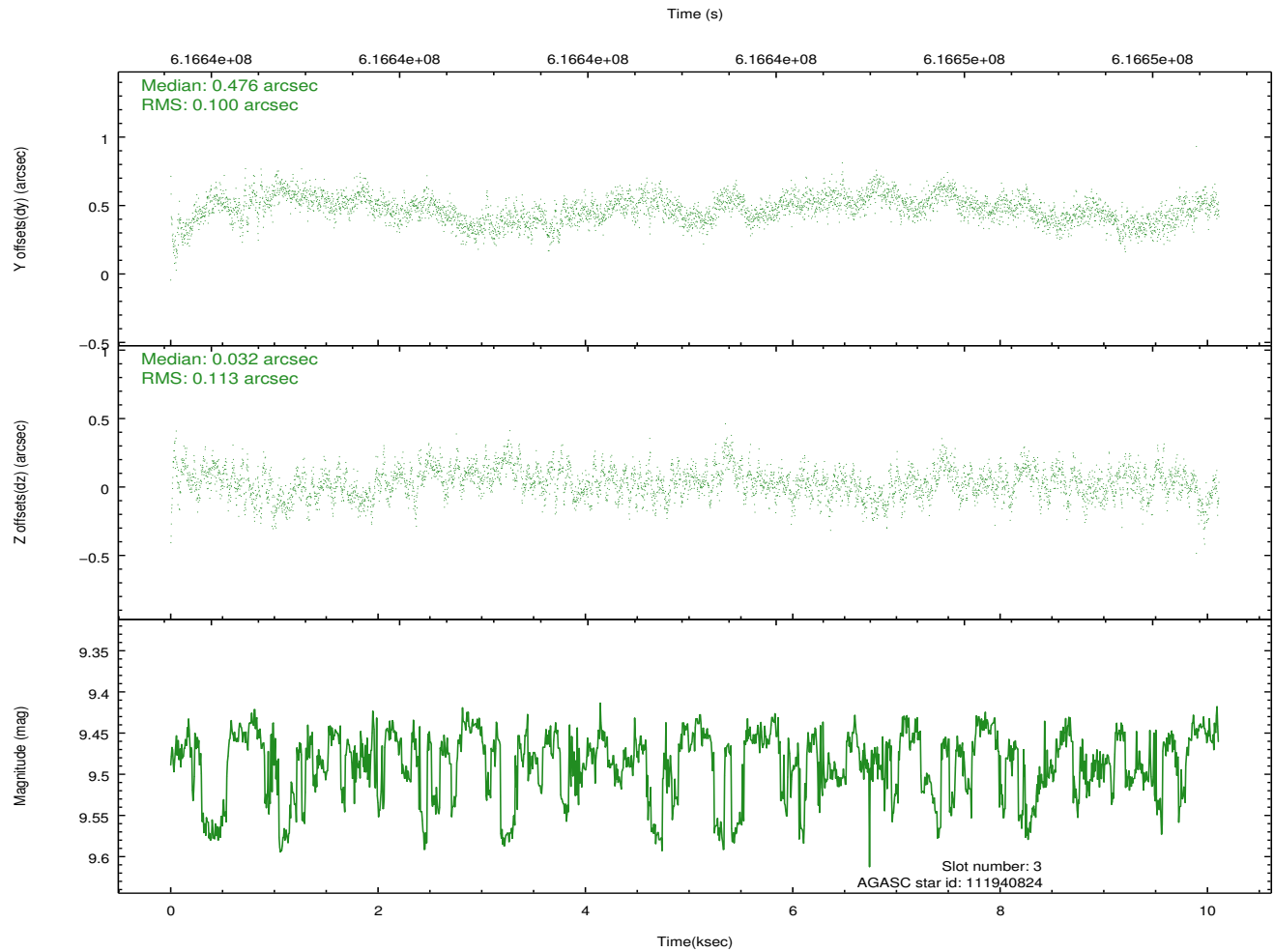
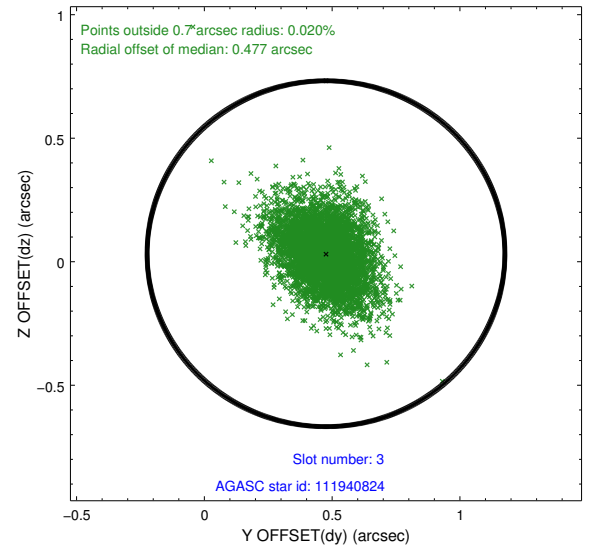
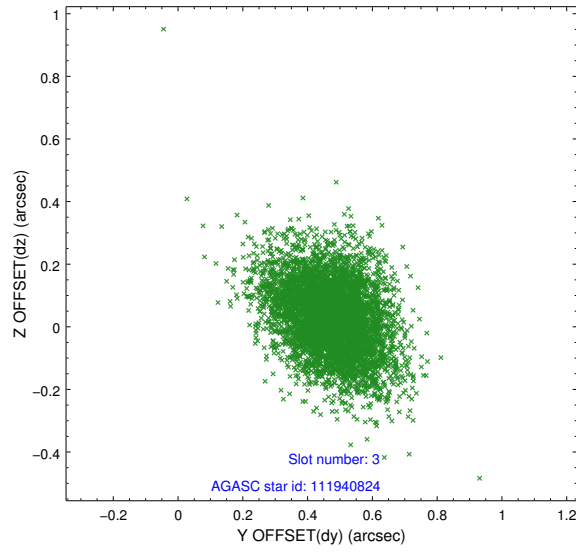


Slot Statistics

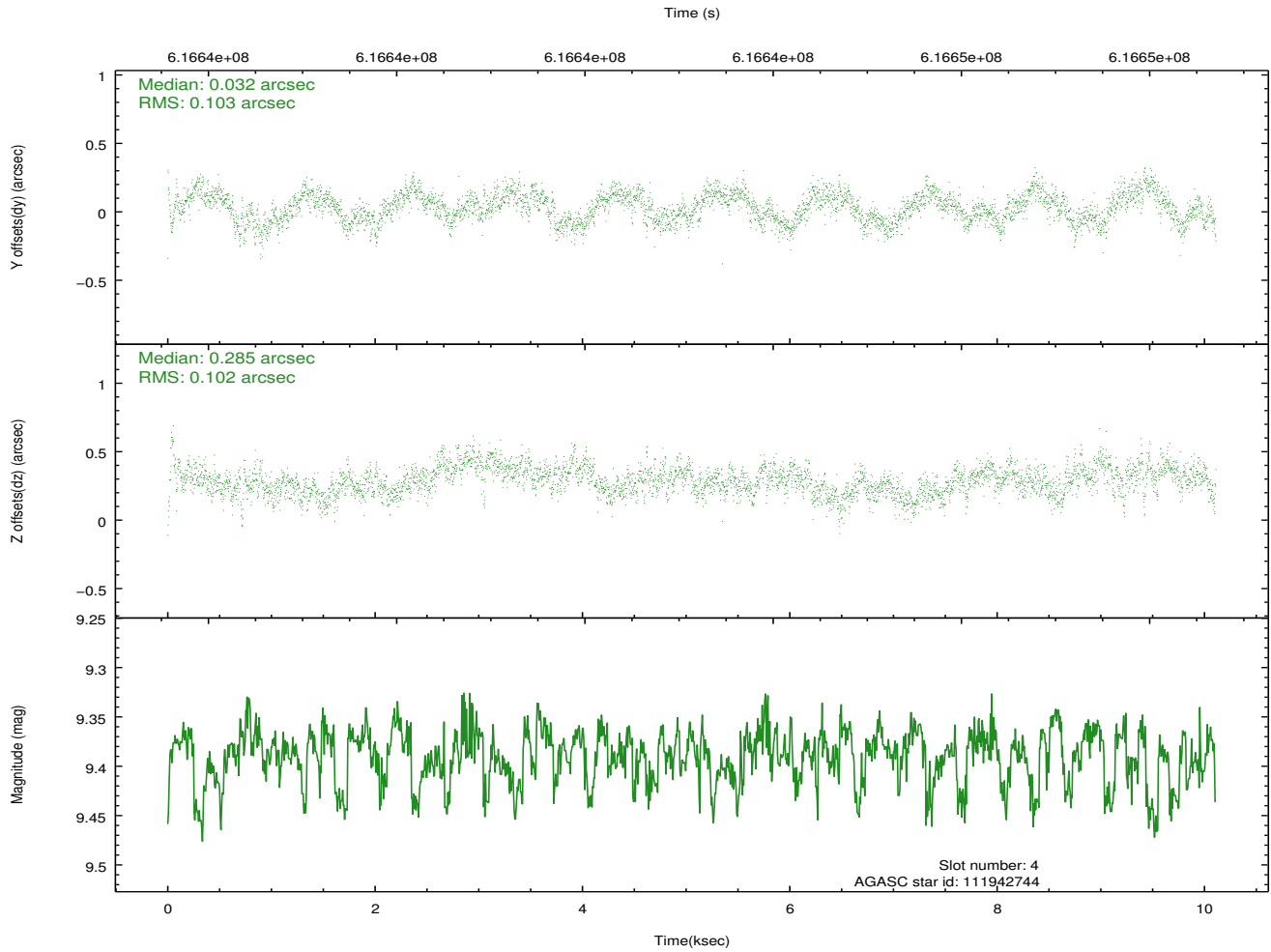
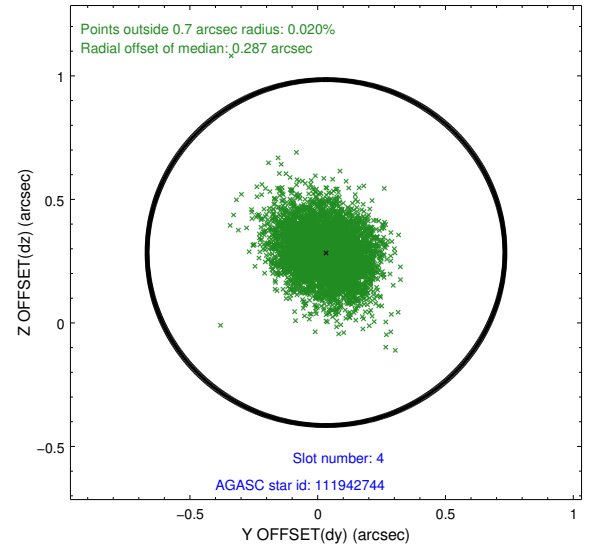
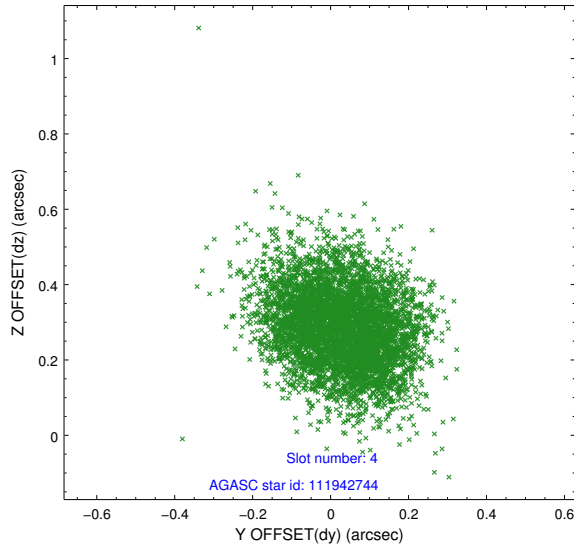
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.04	2467	-0.162	-0.044	0.011	0.018	0.000000	0.000000	-760.29	-1736.57
1	FID		ACIS-S-4	7.16	2466	0.338	0.090	0.011	0.018	0.000000	0.000000	2153.21	171.57
2	FID		ACIS-S-5	7.16	2466	-0.207	-0.037	0.015	0.022	0.000000	0.000000	-1812.55	165.62
3	GUIDE	used	111940824	9.48	4924	0.476	0.032	0.156	0.264	166.771849	13.963512	-427.55	-502.91
4	GUIDE	used	111942744	9.39	4931	0.032	0.285	0.154	0.241	167.310149	13.951822	-915.79	1314.06
5	GUIDE	used	111944680	9.18	4928	-0.400	0.264	0.151	0.255	167.248509	13.677561	91.76	1385.83
6	GUIDE	used	111941176	9.85	4913	-0.023	0.099	0.255	0.402	166.783108	13.157843	2345.54	346.66
7	GUIDE	used	111945272	8.27	4930	-0.066	-0.671	0.131	0.231	167.422036	13.273538	1317.02	2377.67

2.4 Star Slots

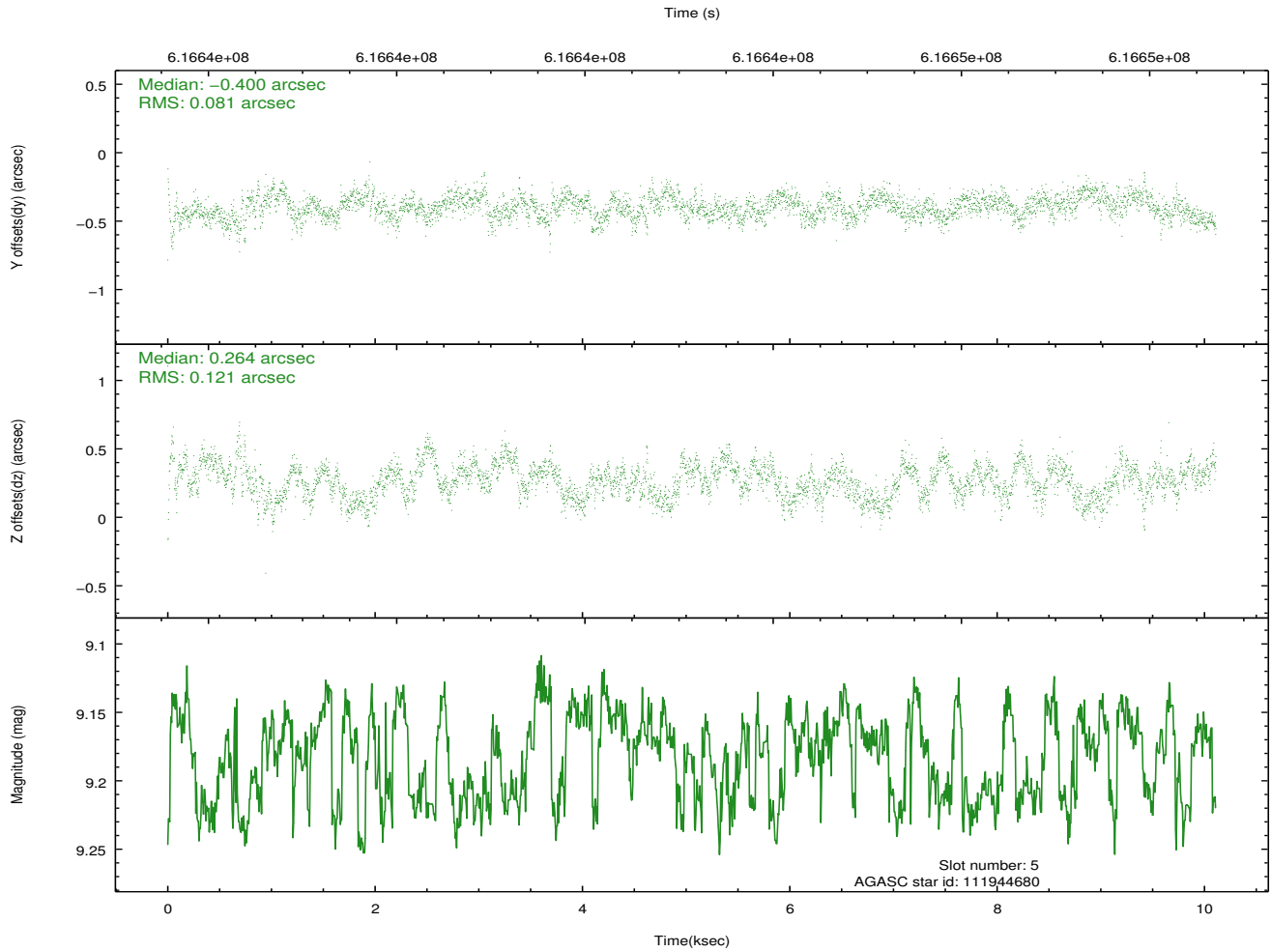
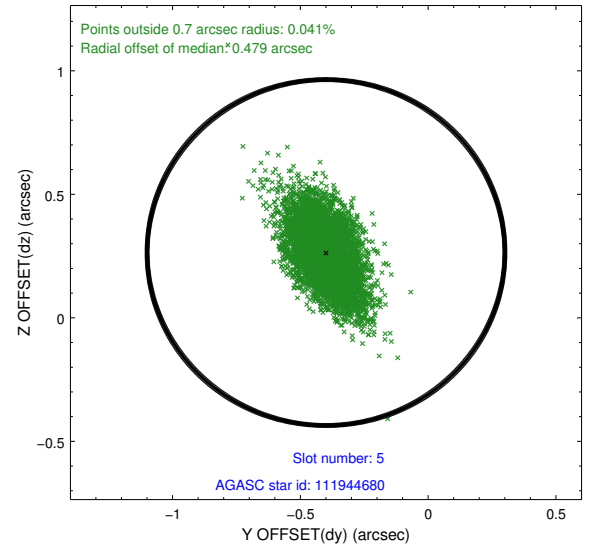
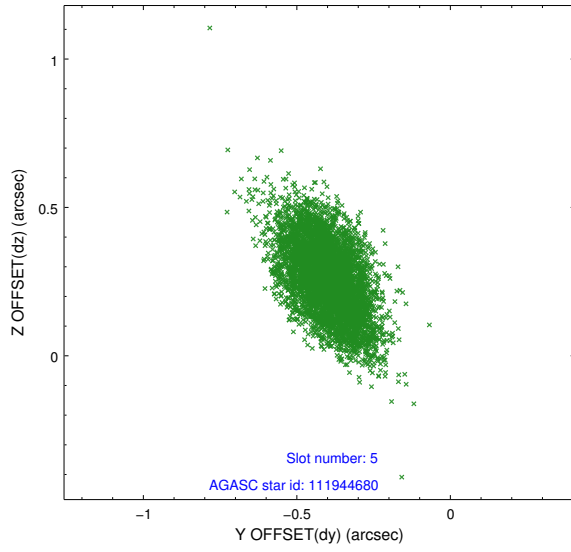
2.4.1 Slot 3



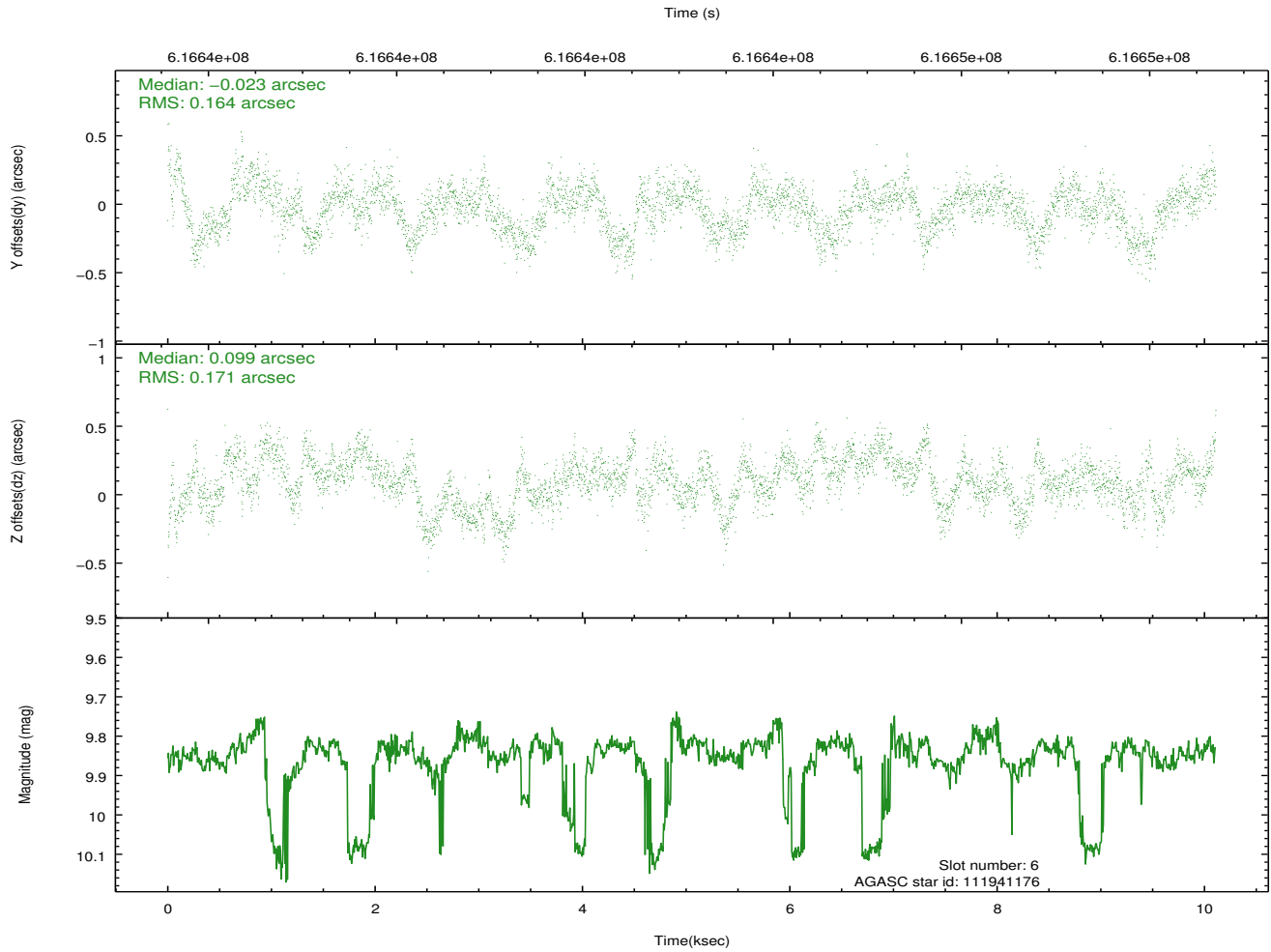
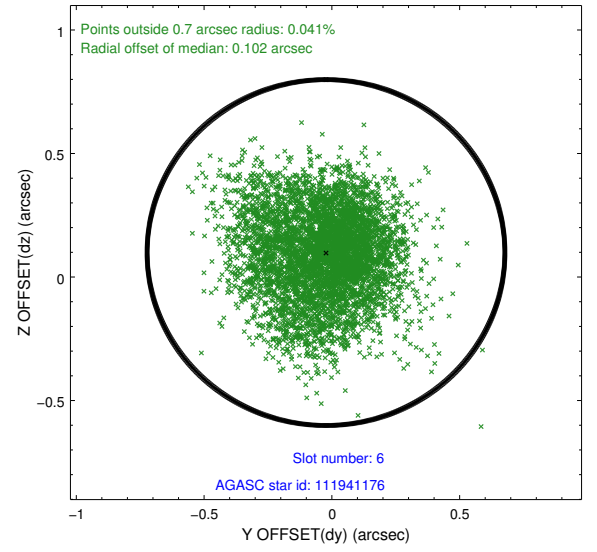
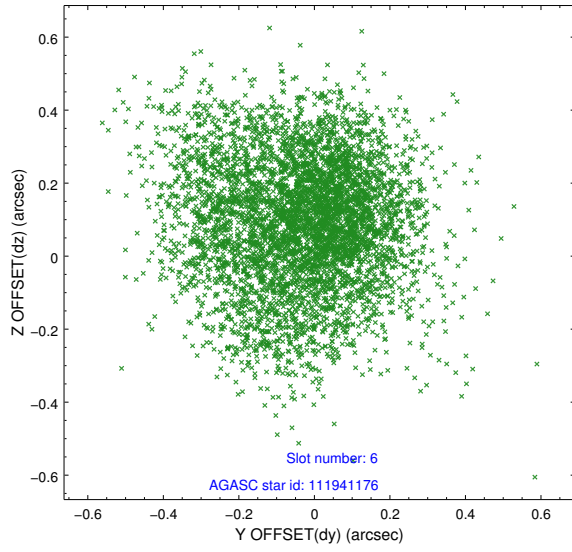
2.4.2 Slot 4



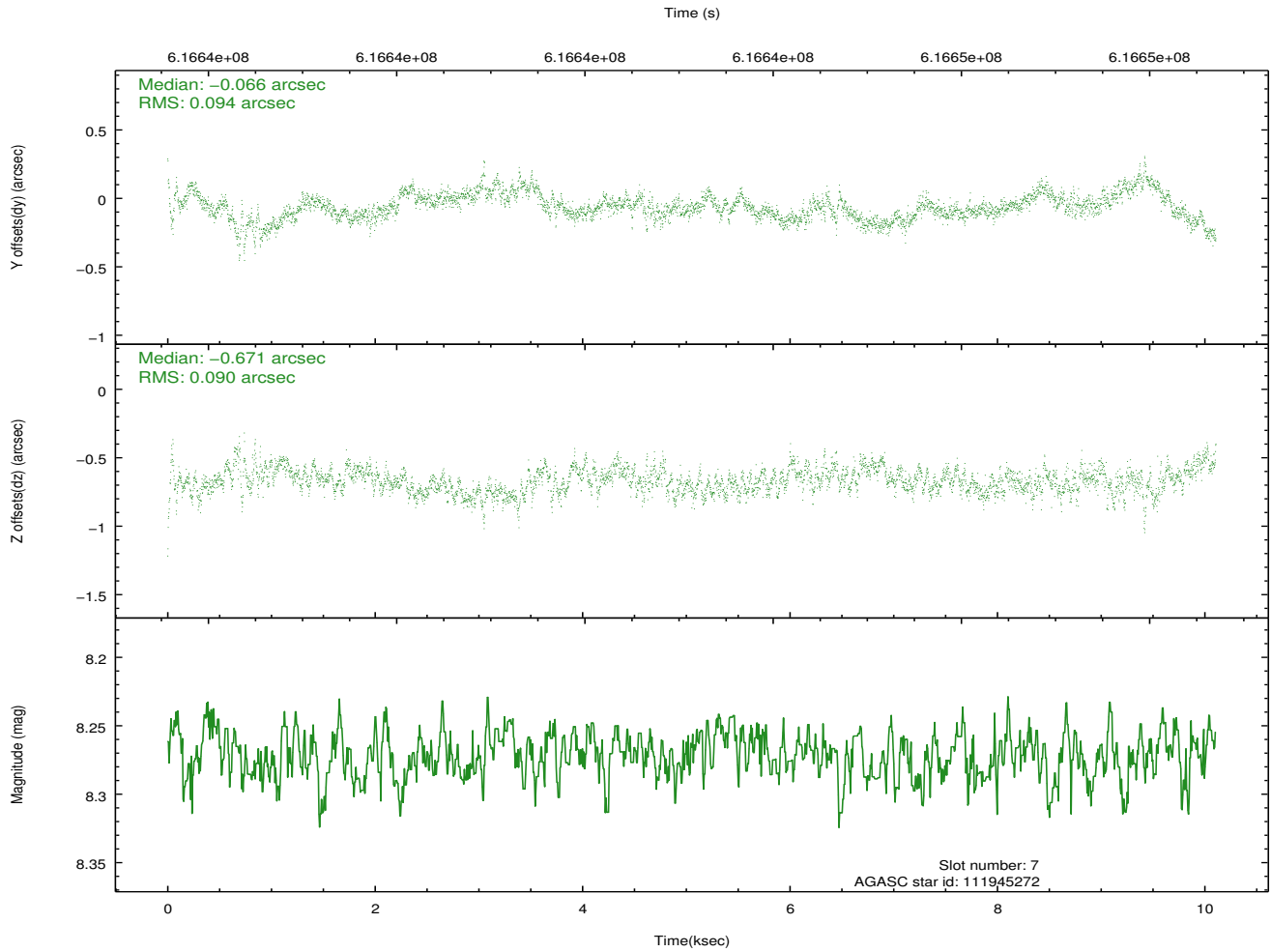
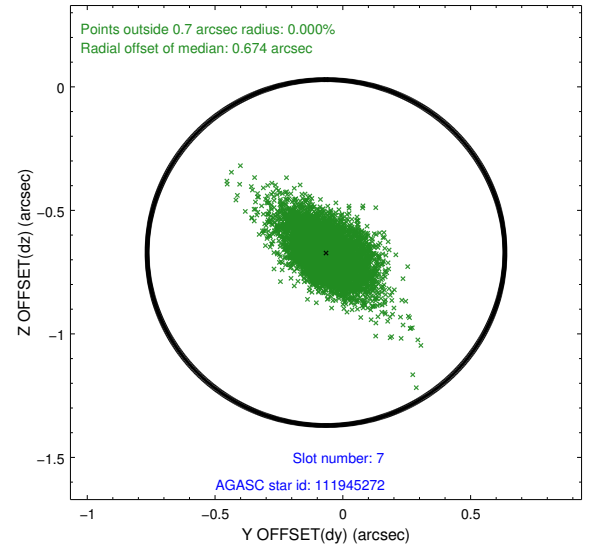
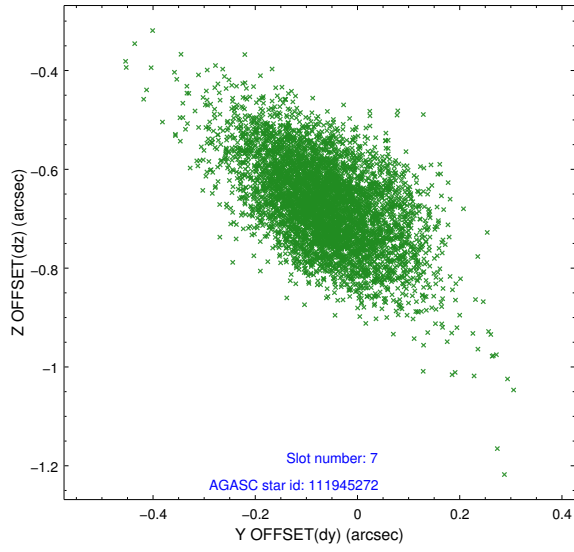
2.4.3 Slot 5



2.4.4 Slot 6

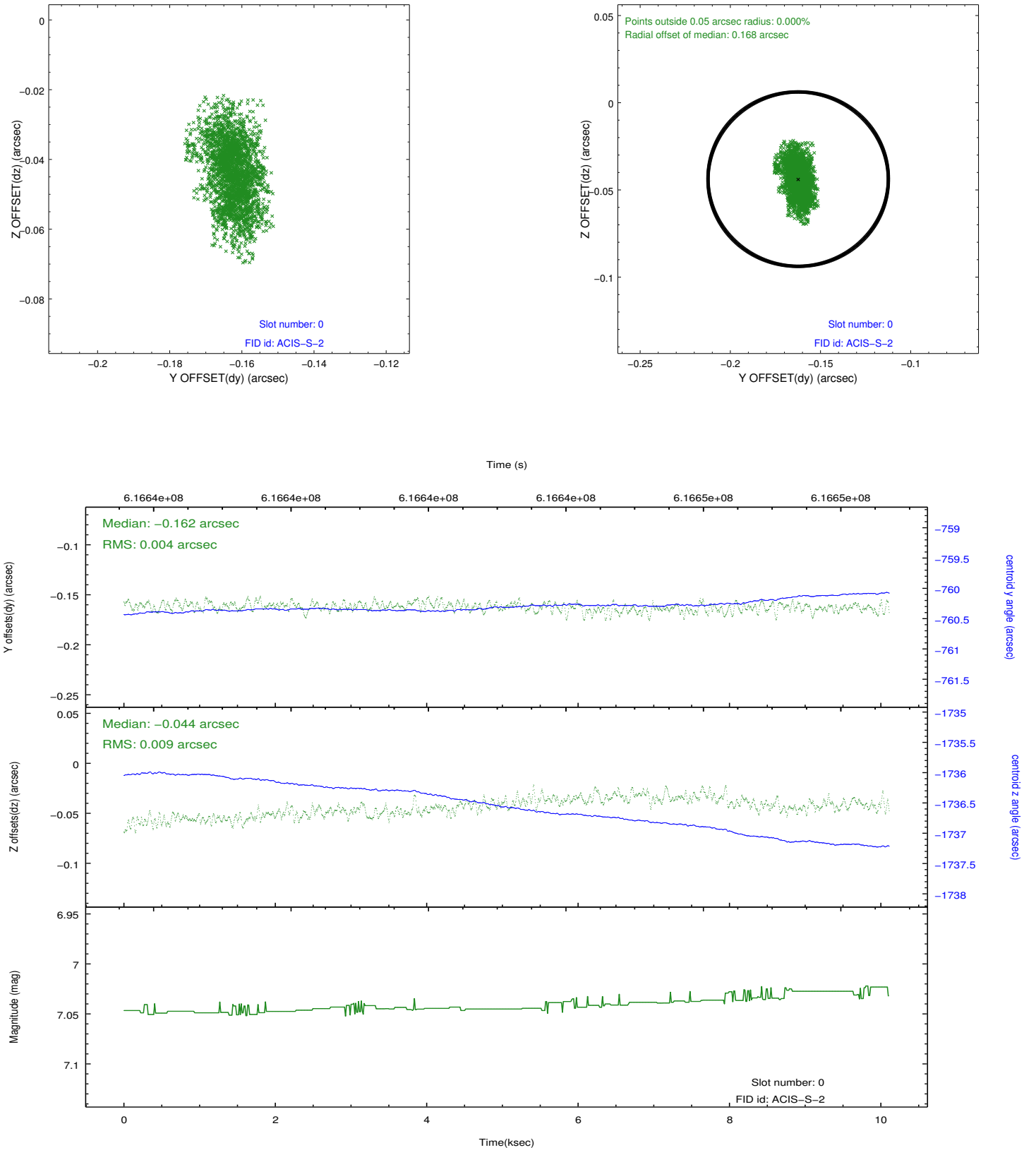


2.4.5 Slot 7

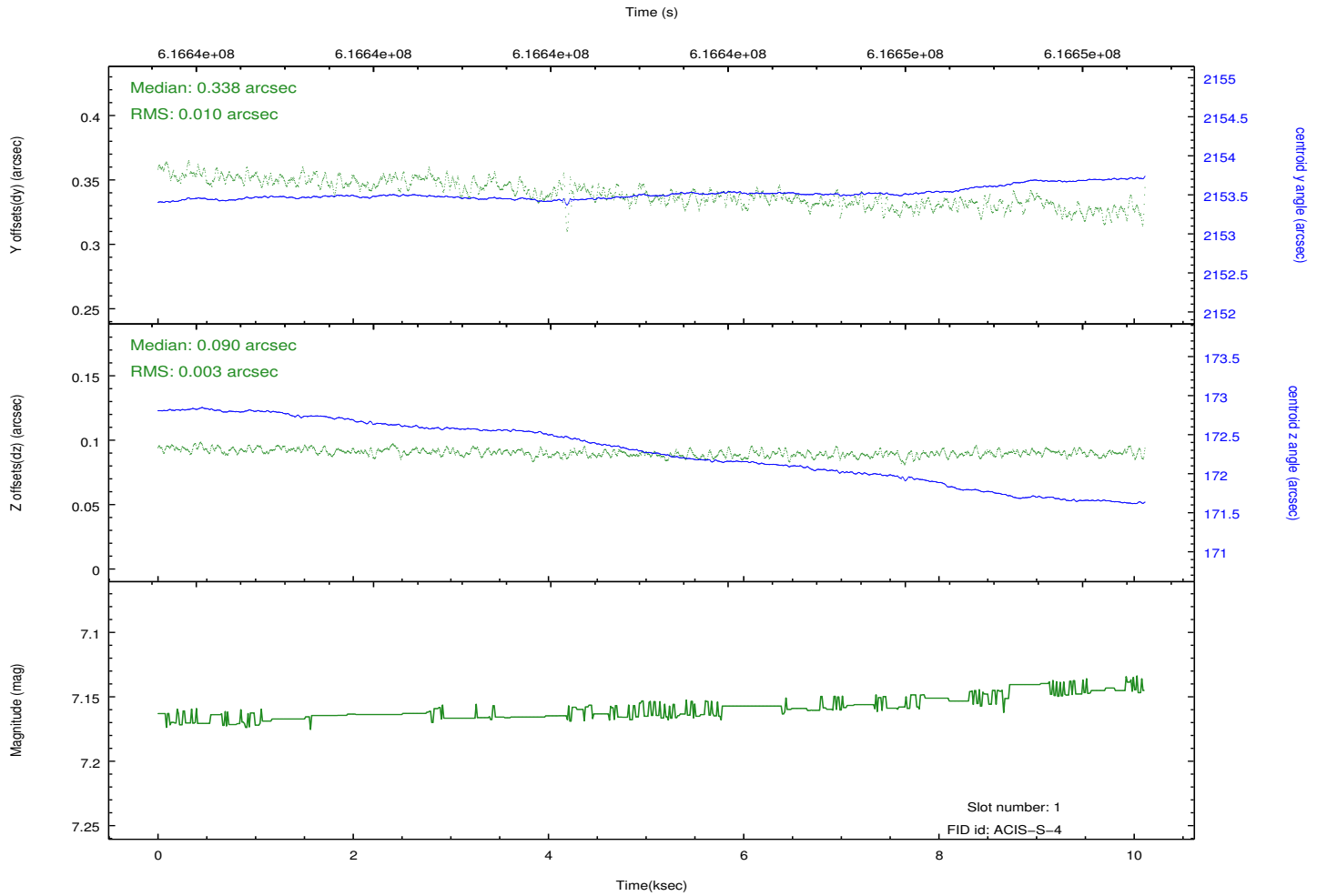
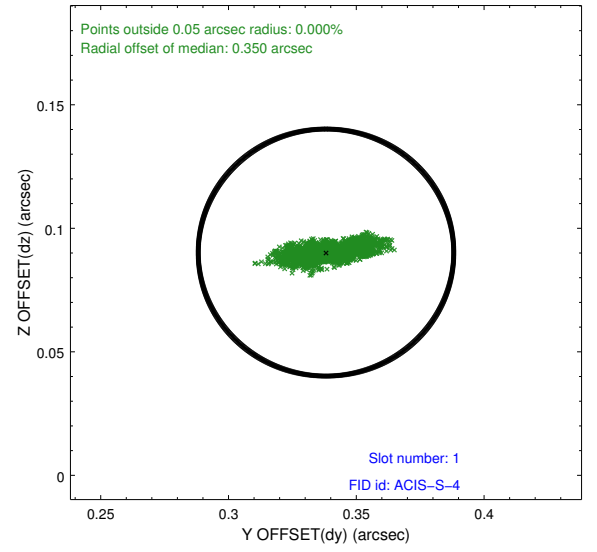
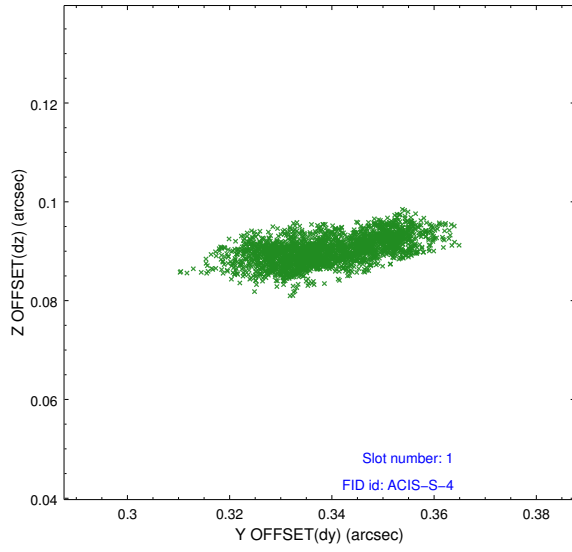


2.5 FID Slots

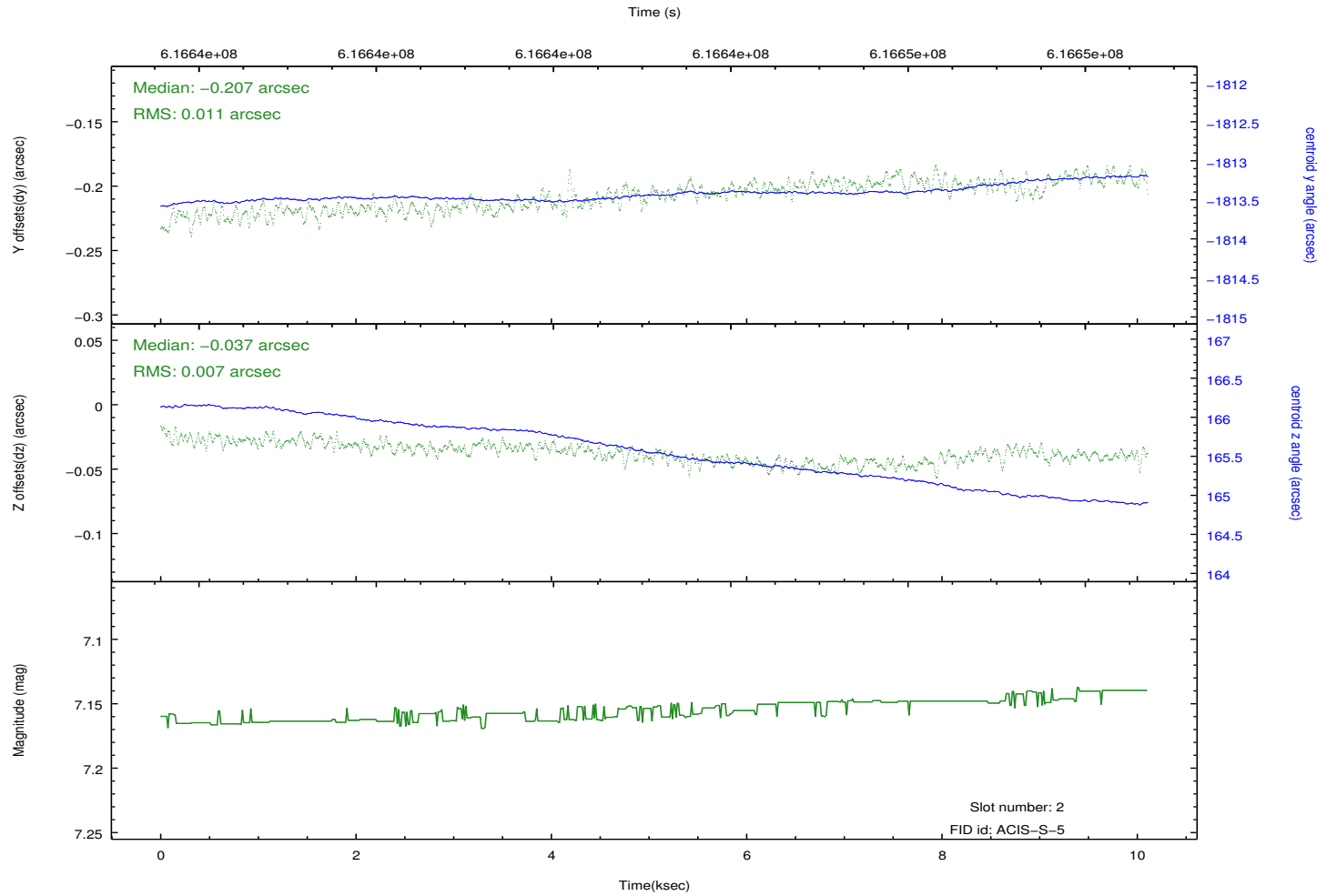
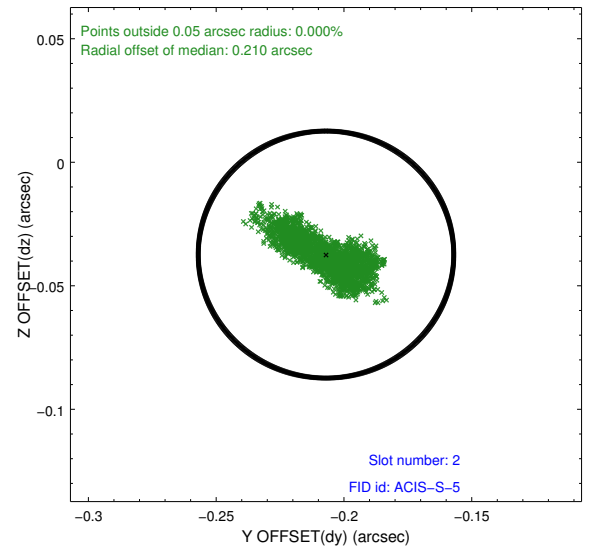
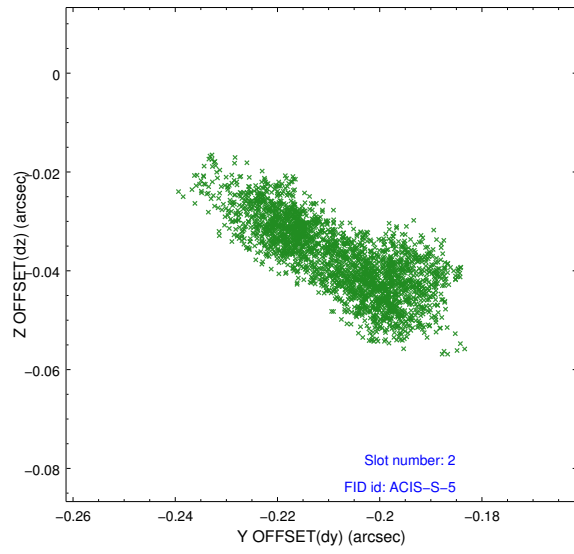
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2017.07.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.092

A.2 Comments