

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19526 - L2 Version 1
Chandra X-Ray Center

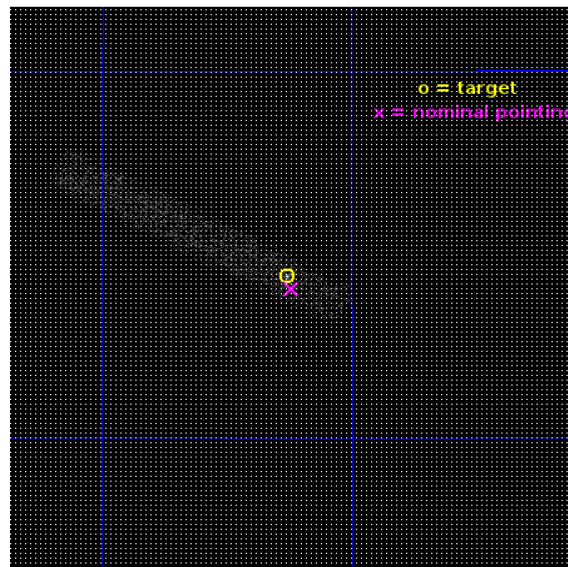
L2 Processing Date : Jun 21 2017

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1 Front

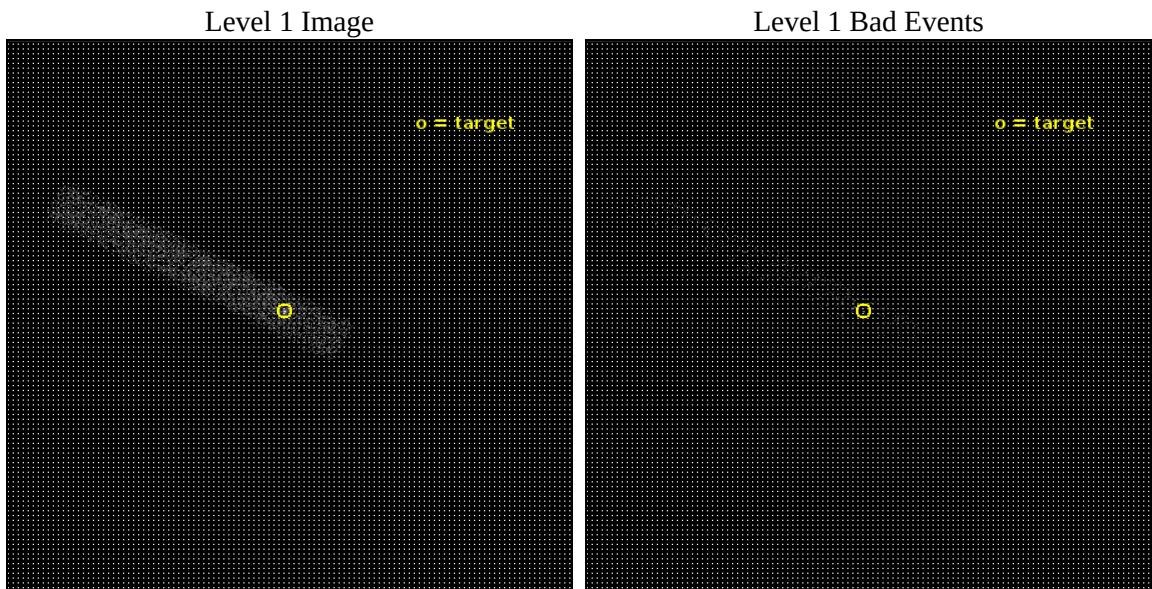
seq_num	703374	Sequence number
obs_id	19526	Observation id
title	Surveying the X-Ray Properties of Candidate Subparsec Scale SMBH Binaries	Proposal title
observer	Daniel Stern	Principal investigator
object	Mrk 504	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	255.282083	Observer's specified target RA [deg]
dec_targ	29.406944	Observer's specified target Dec [deg]
ra_nom	255.28012501603	Nominal RA [deg]
dec_nom	29.401132691991	Nominal Dec [deg]
roll_nom	207.15745746367	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5668.799661994	Sum of GTIs [s]
livetime	5141.3020696481	Livetime [s]
ontime7	5668.799661994	Sum of GTIs [s]
l2events	5785	Number of level 2 events



2 OBI

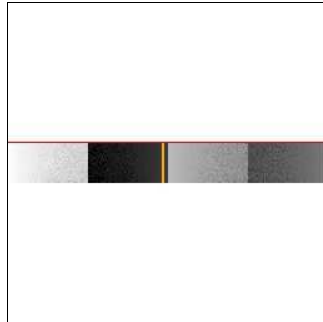
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5600.000000	[s] Scheduled observation exposure time
ascdsver	10.6	Processing system revision	ontime	5668.799661994	Sum of GTIs [s]
caldbver	4.7.5	 	ontime7	5668.799661994	Sum of GTIs [s]
date	2017-06-21T21:38:06	Date and time of file creation	l1events	9617	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

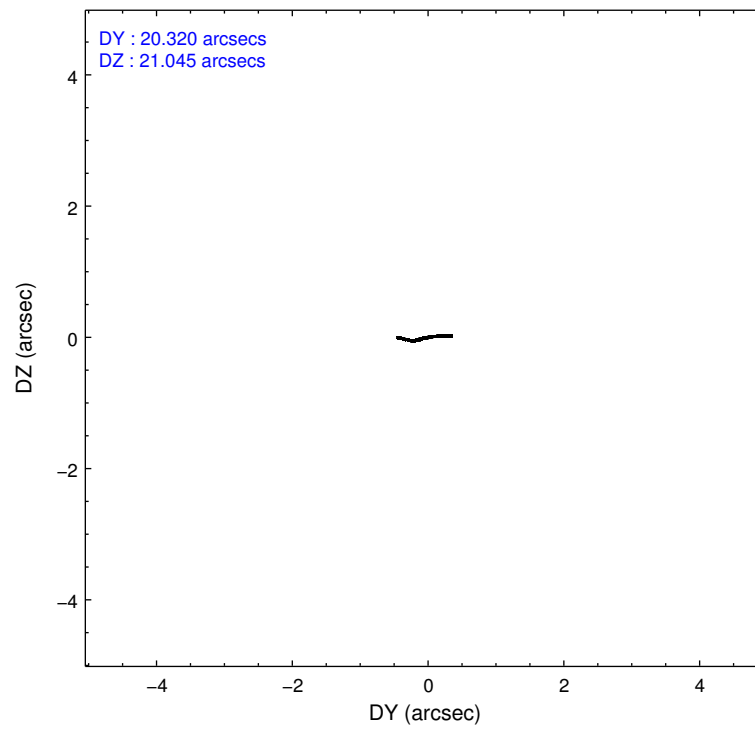
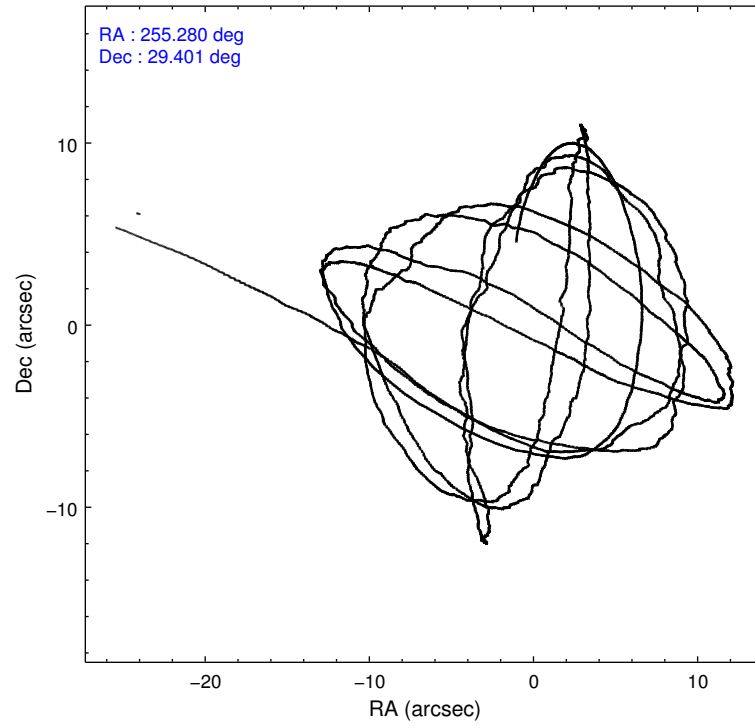
	ccd 7
level 1 events	9617
rejected events	3664
rejected %	38%

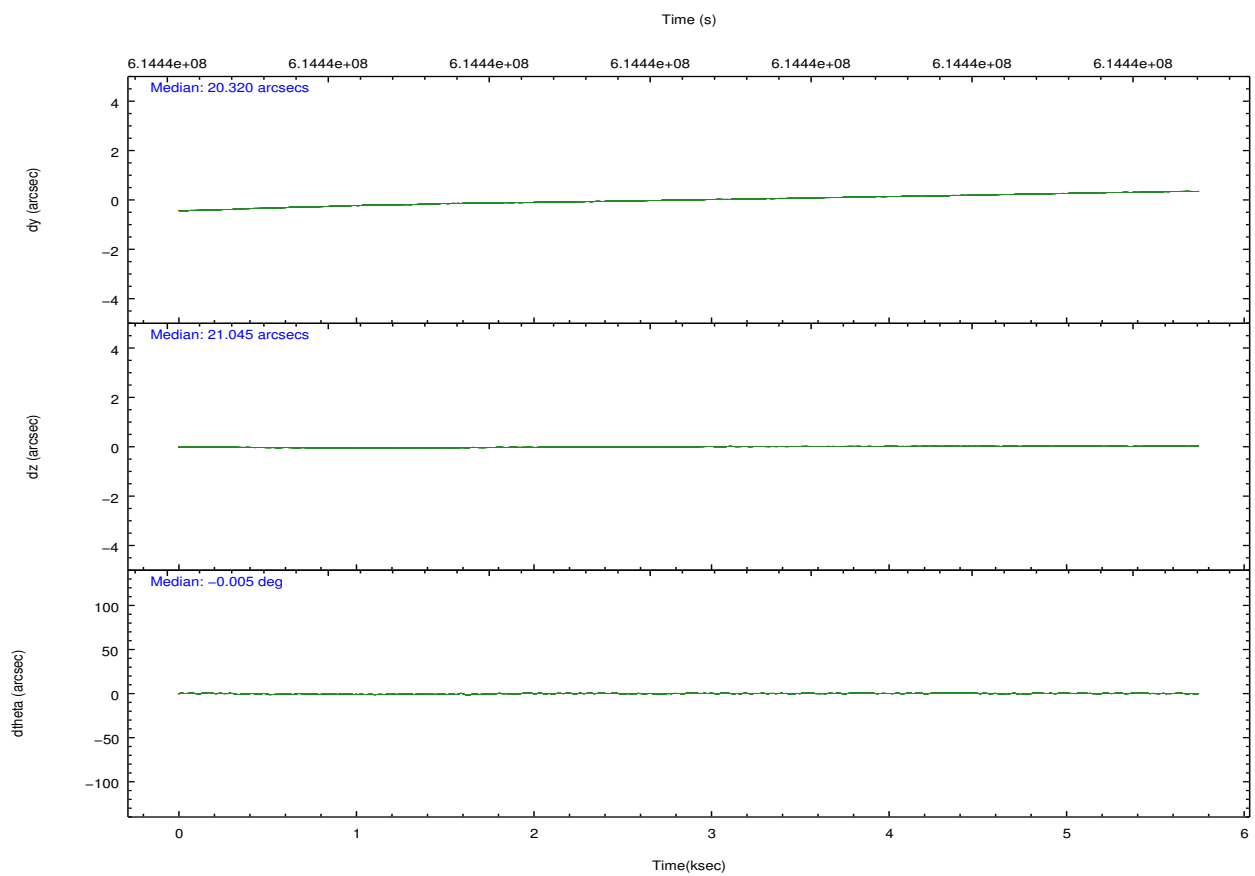
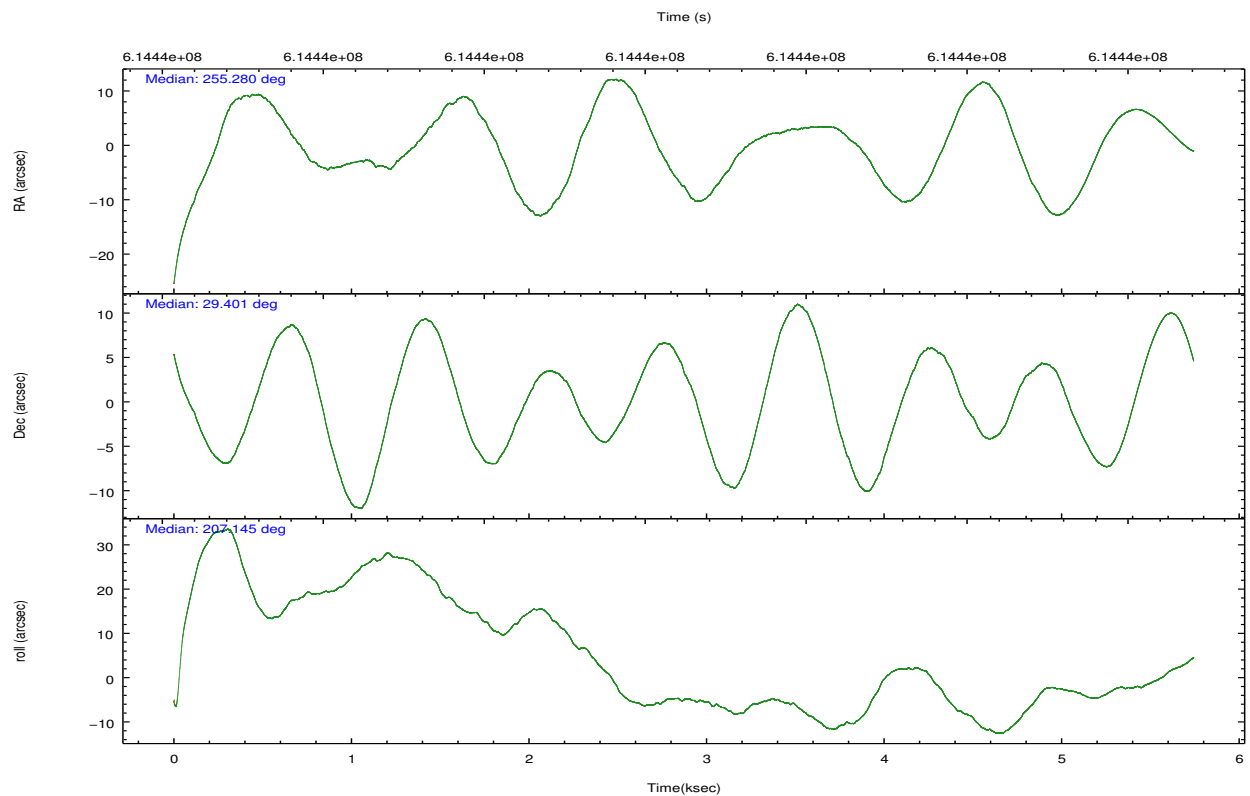
	ccd 7
grade 0 events	929
	9%
grade 1 events	19
	0%
grade 2 events	1364
	14%
grade 3 events	725
	7%
grade 4 events	758
	7%
grade 5 events	744
	7%
grade 6 events	2177
	22%
grade 7 events	2901
	30%

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	255.296901	255.2801250160337	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	29.424318	29.40113269199079	Subarray start row	449	449
[deg] Pointing Roll	206.992722	207.1574574636661	Subarray row count	128	128
[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	0.4
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	614435514.184000	614434752.6360101			
Observation start date	2017-06-21T12:30:45	2017-06-21T12:19:12			
[s] Observation end time (MET)	614441114.184000	614441863.06143			
Observation end date	2017-06-21T14:04:05	2017-06-21T14:17:43			
Read mode	TIMED	TIMED			

2.3 Aspect



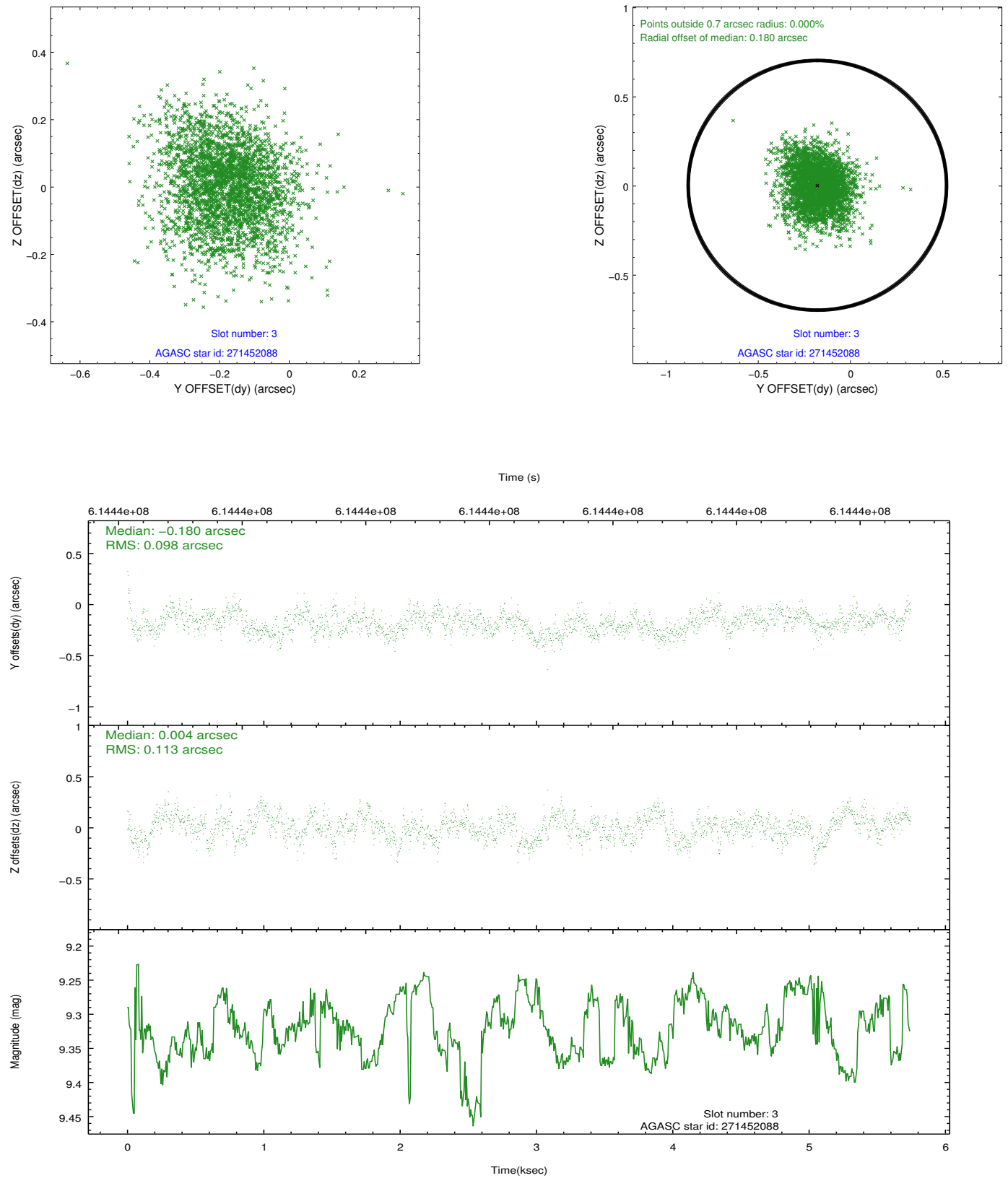


Slot Statistics

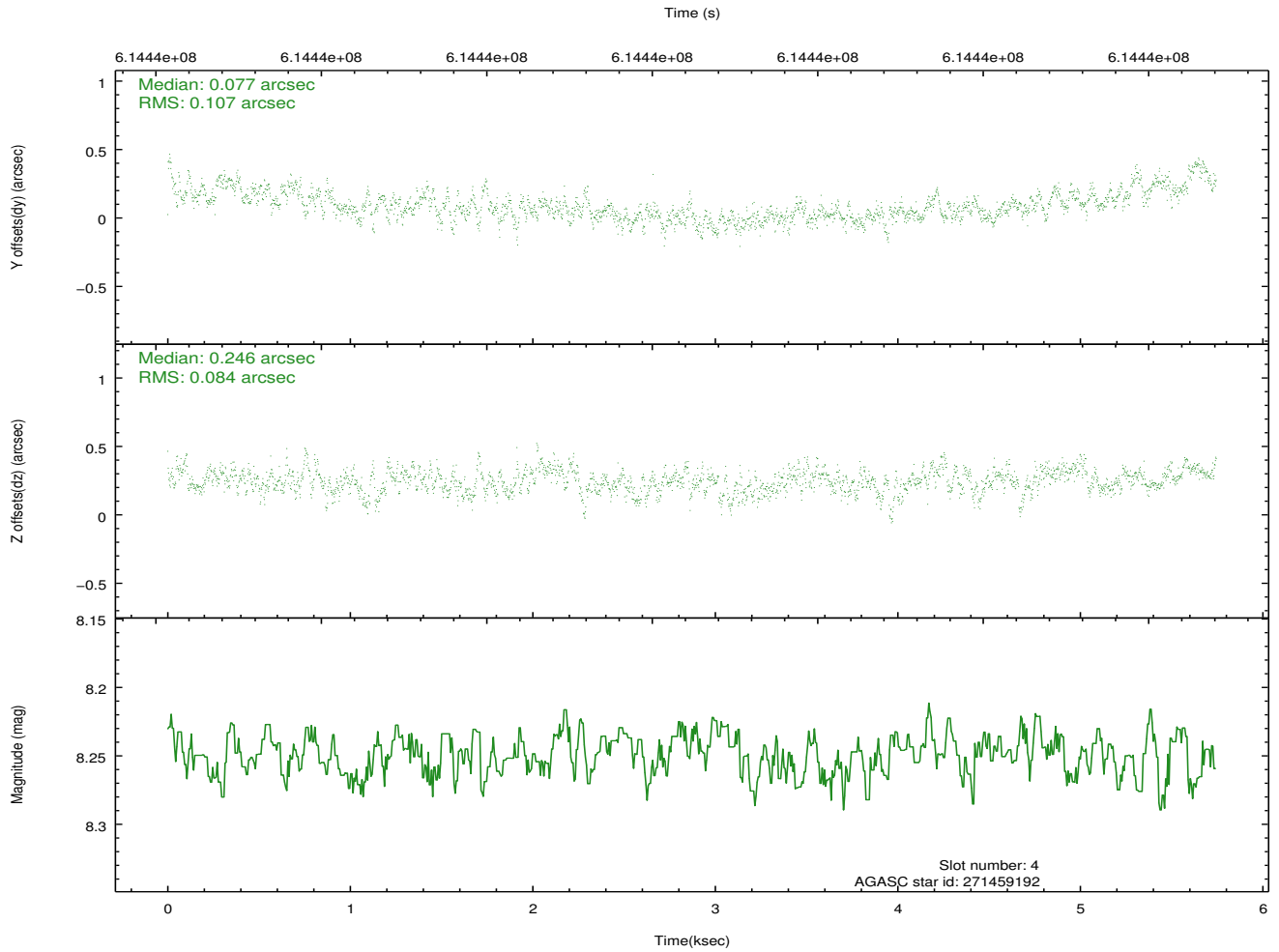
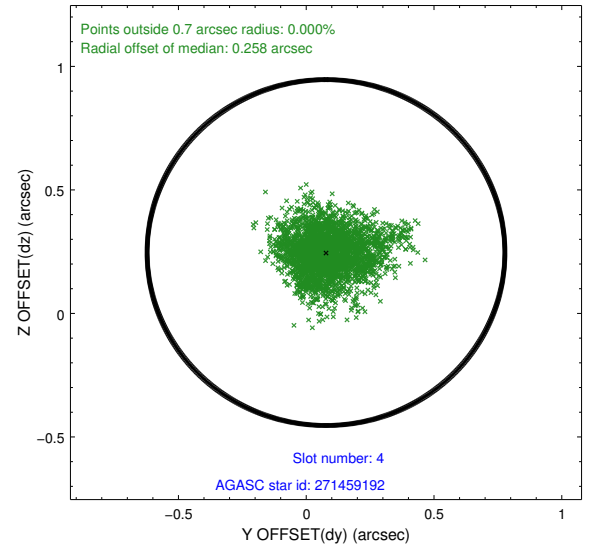
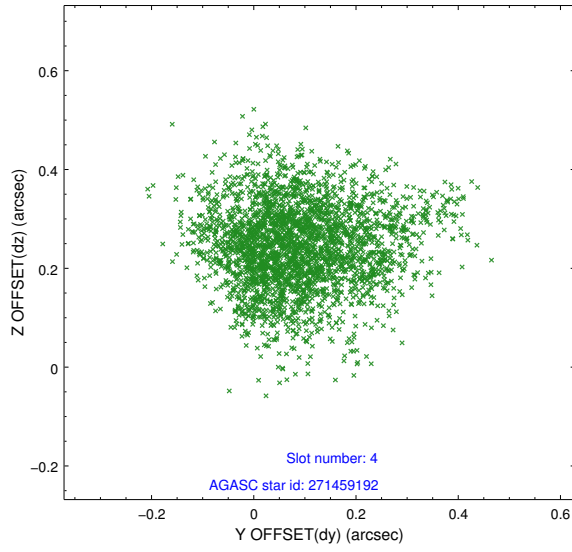
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	6.98	1402	-0.251	-0.119	0.009	0.015	0.000000	0.000000	-773.65	-1742.71
1	FID		ACIS-S-4	7.10	1402	0.521	0.153	0.008	0.016	0.000000	0.000000	2139.89	165.00
2	FID		ACIS-S-5	7.09	1402	-0.302	-0.025	0.009	0.014	0.000000	0.000000	-1825.25	159.62
3	GUIDE	used	271452088	9.32	2800	-0.180	0.004	0.159	0.260	255.054176	29.268653	933.46	153.02
4	GUIDE	used	271459192	8.25	2803	0.077	0.246	0.144	0.237	254.895350	29.549479	915.99	-973.34
5	GUIDE	used	271459448	9.53	2798	-0.000	-0.244	0.205	0.341	255.195714	28.777452	1341.76	1929.47
6	GUIDE	used	271586992	8.02	2802	0.111	-0.027	0.133	0.219	255.628863	29.297052	-720.53	880.64
7	GUIDE	used	271458272	9.36	2797	-0.019	0.028	0.169	0.282	255.241904	28.886075	1033.79	1648.59

2.4 Star Slots

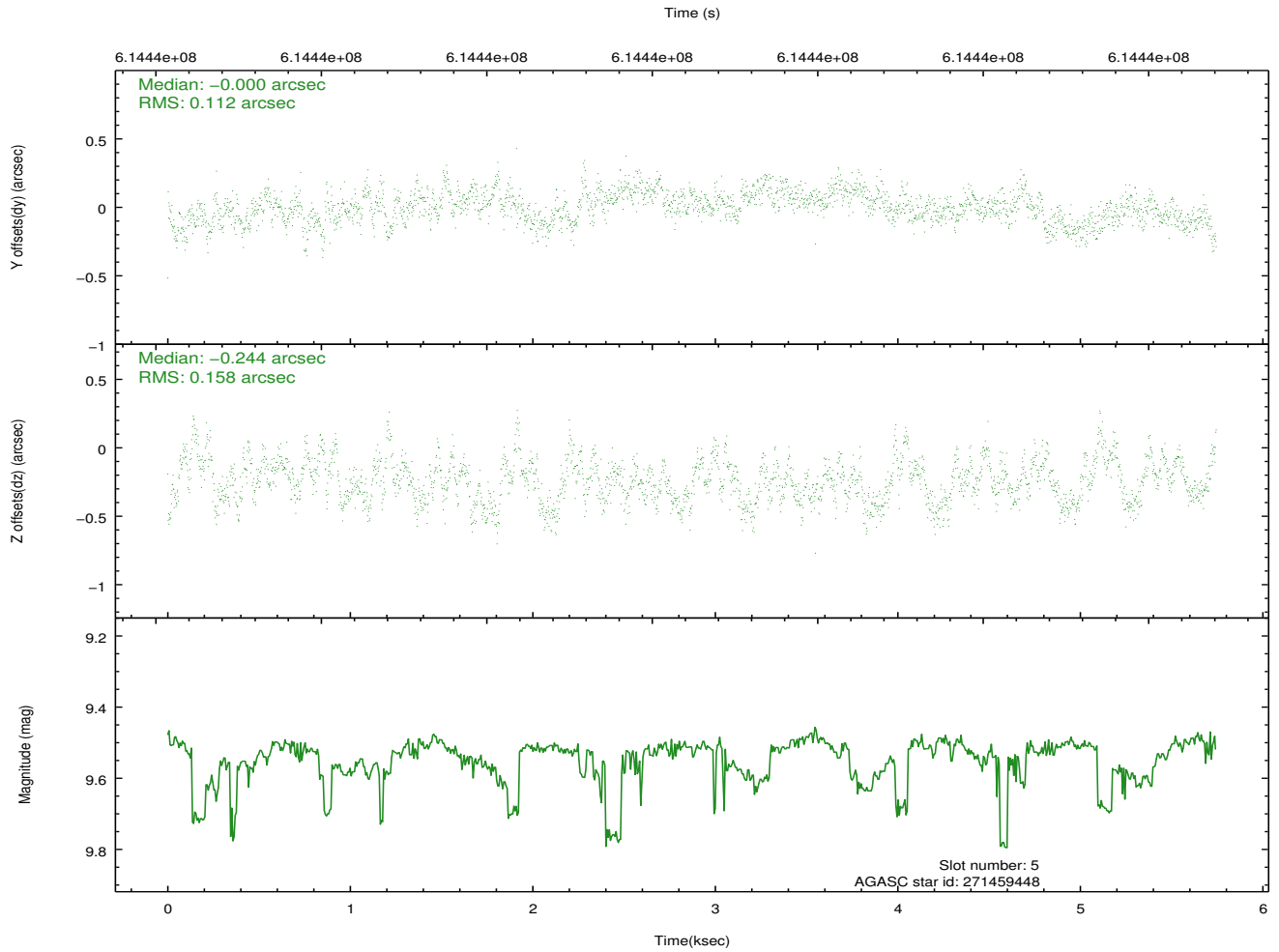
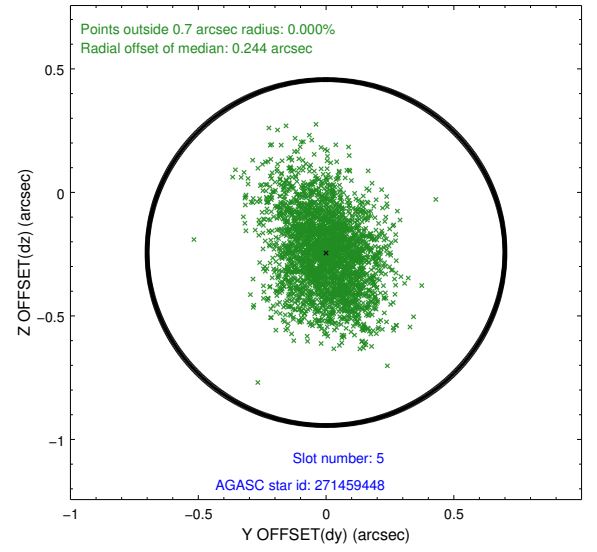
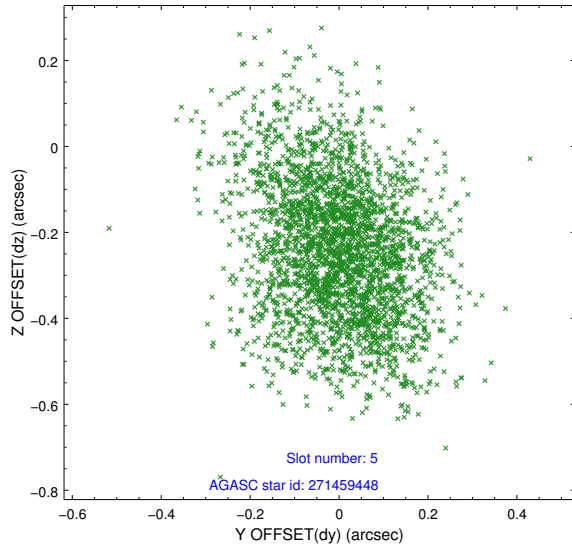
2.4.1 Slot 3



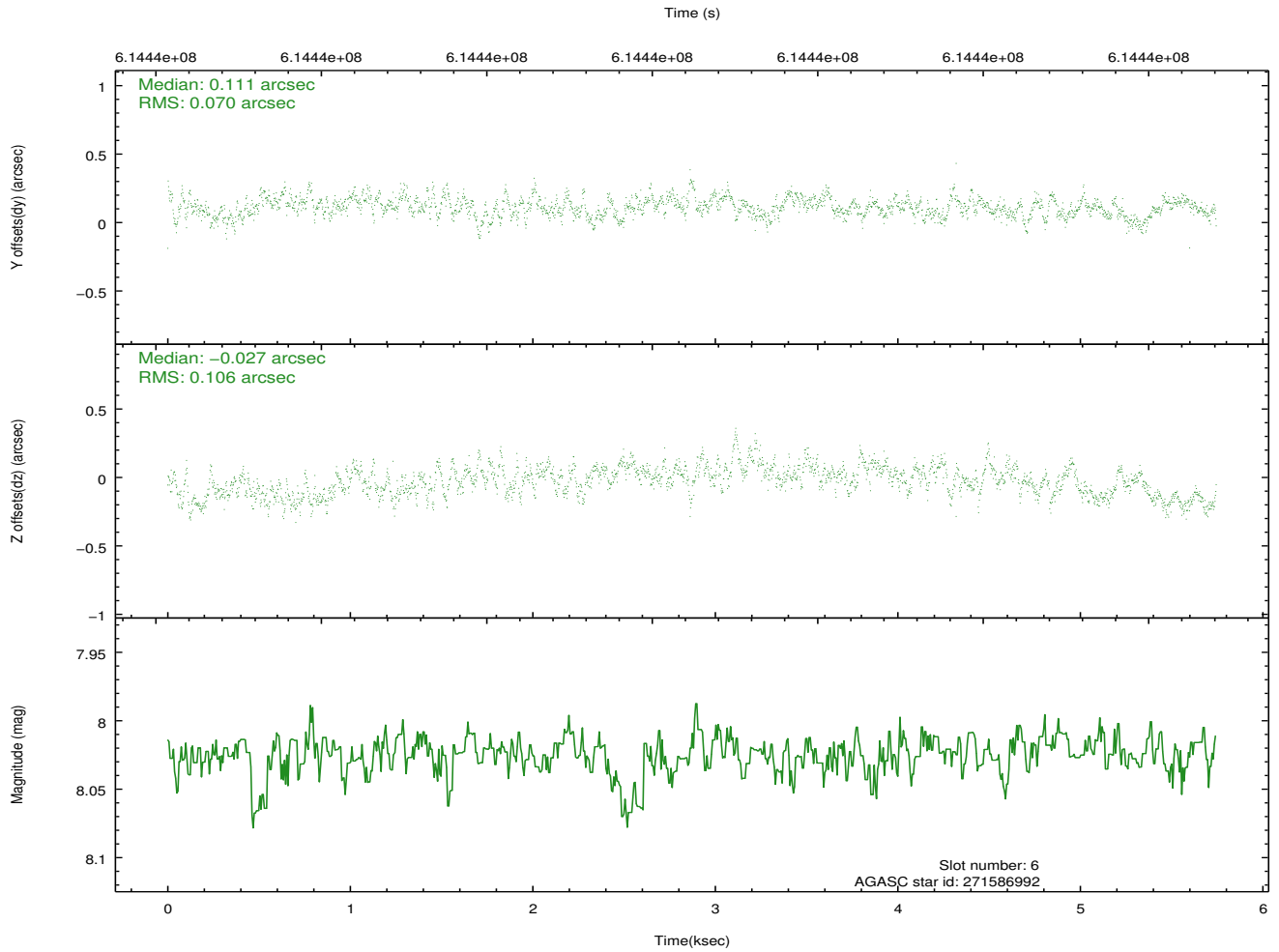
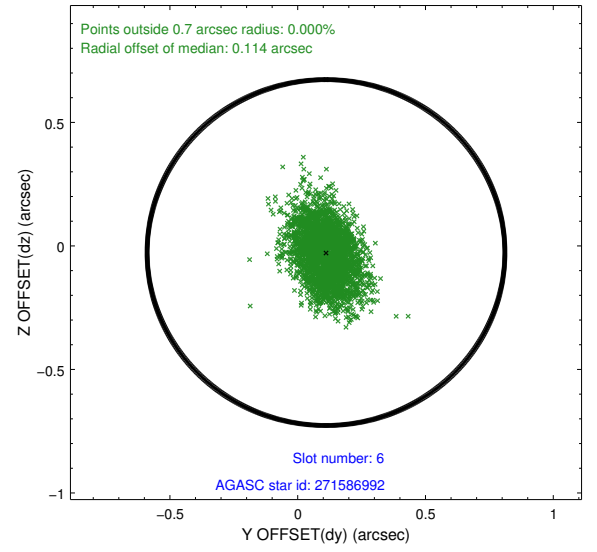
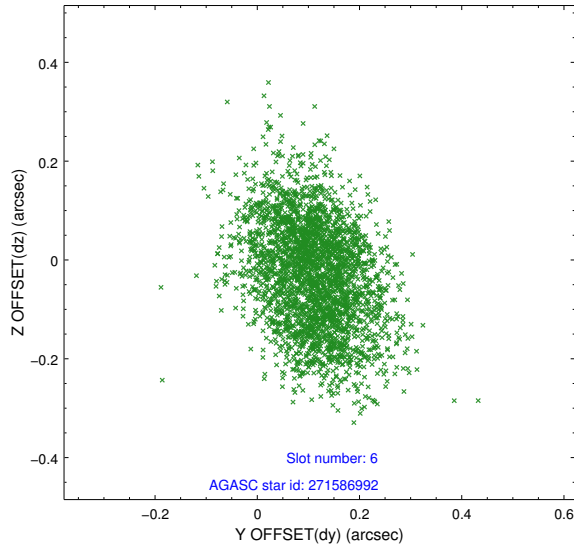
2.4.2 Slot 4



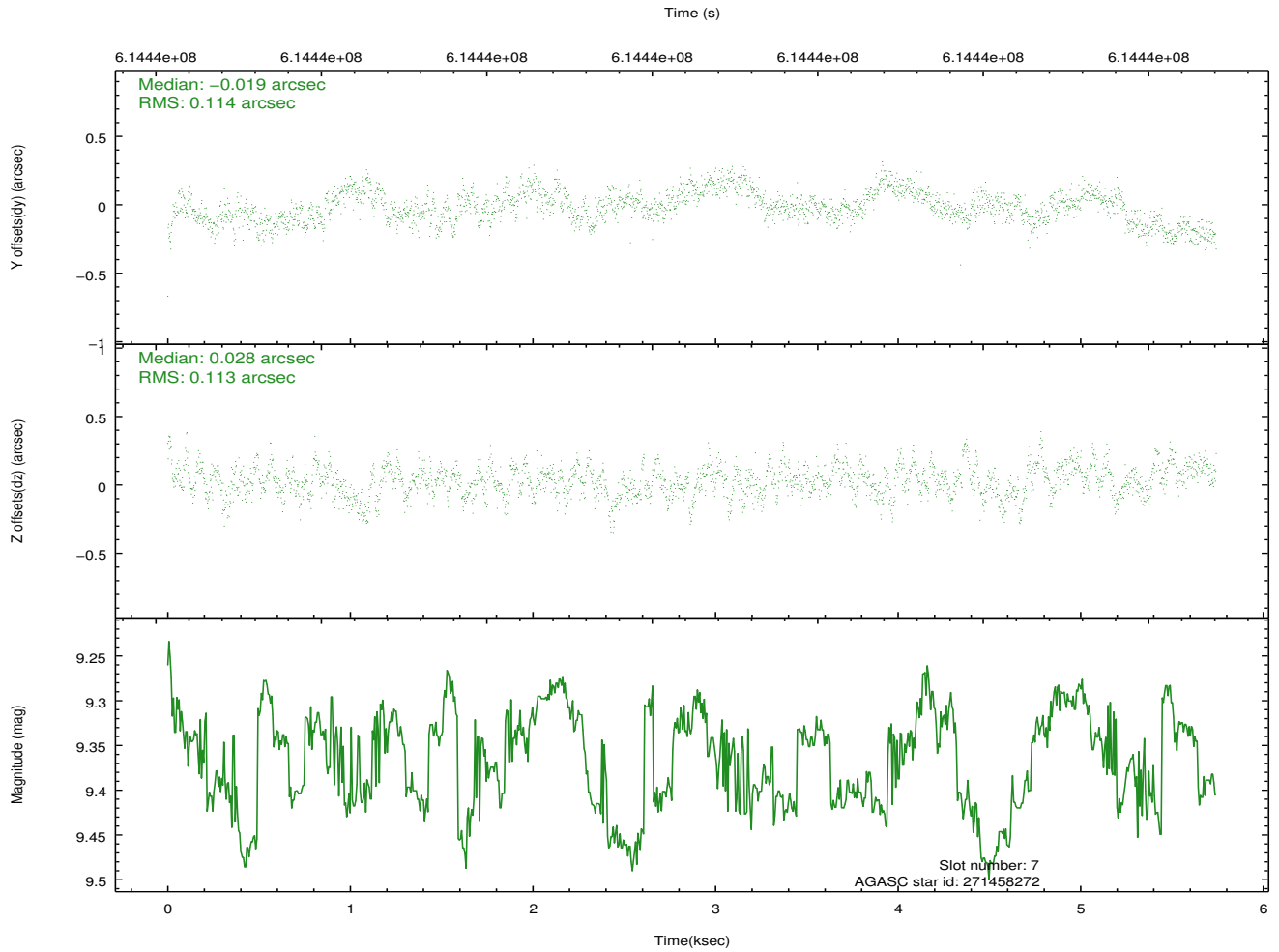
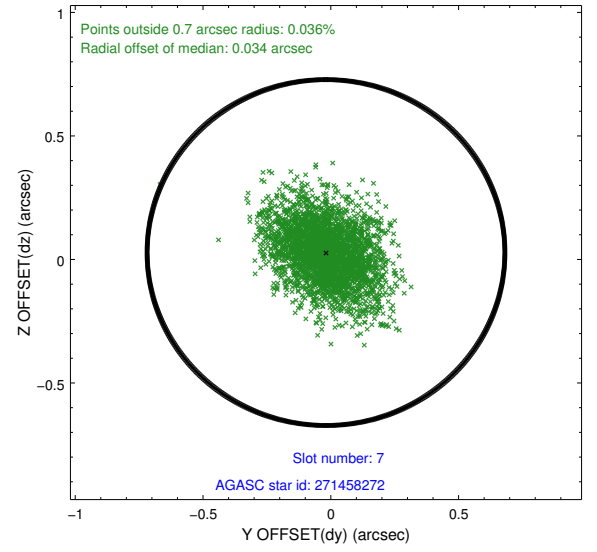
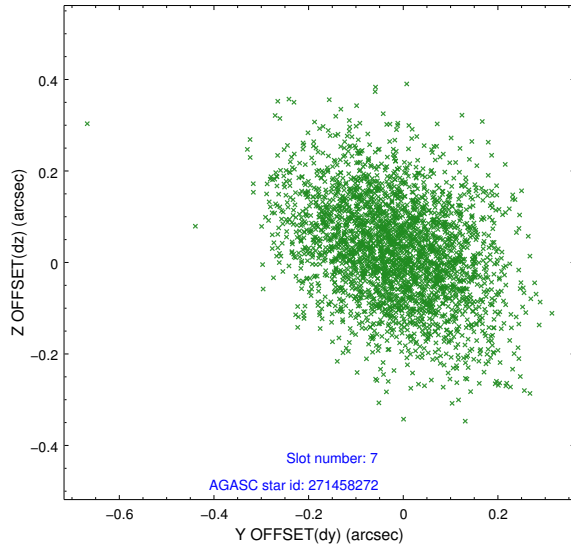
2.4.3 Slot 5



2.4.4 Slot 6

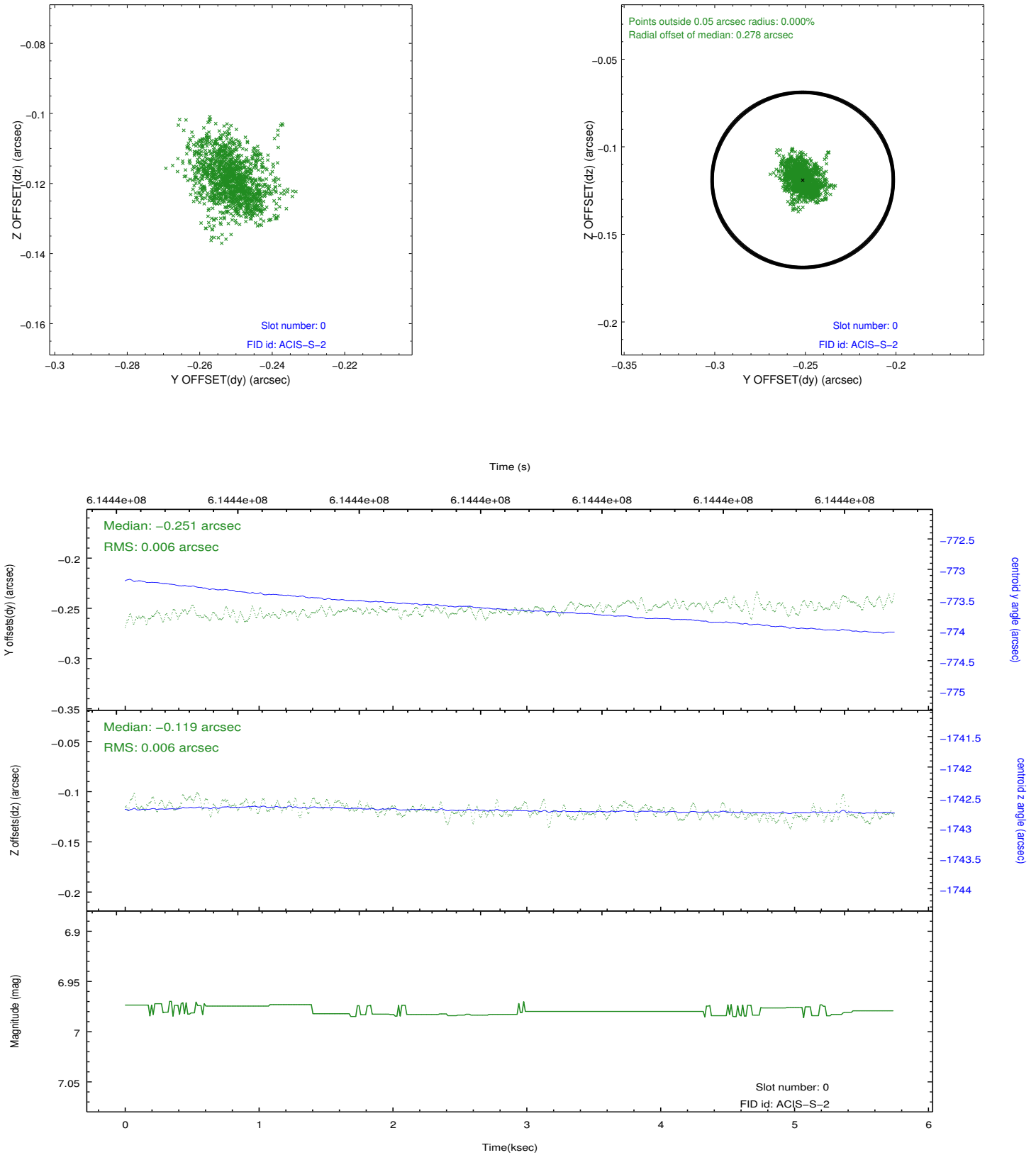


2.4.5 Slot 7

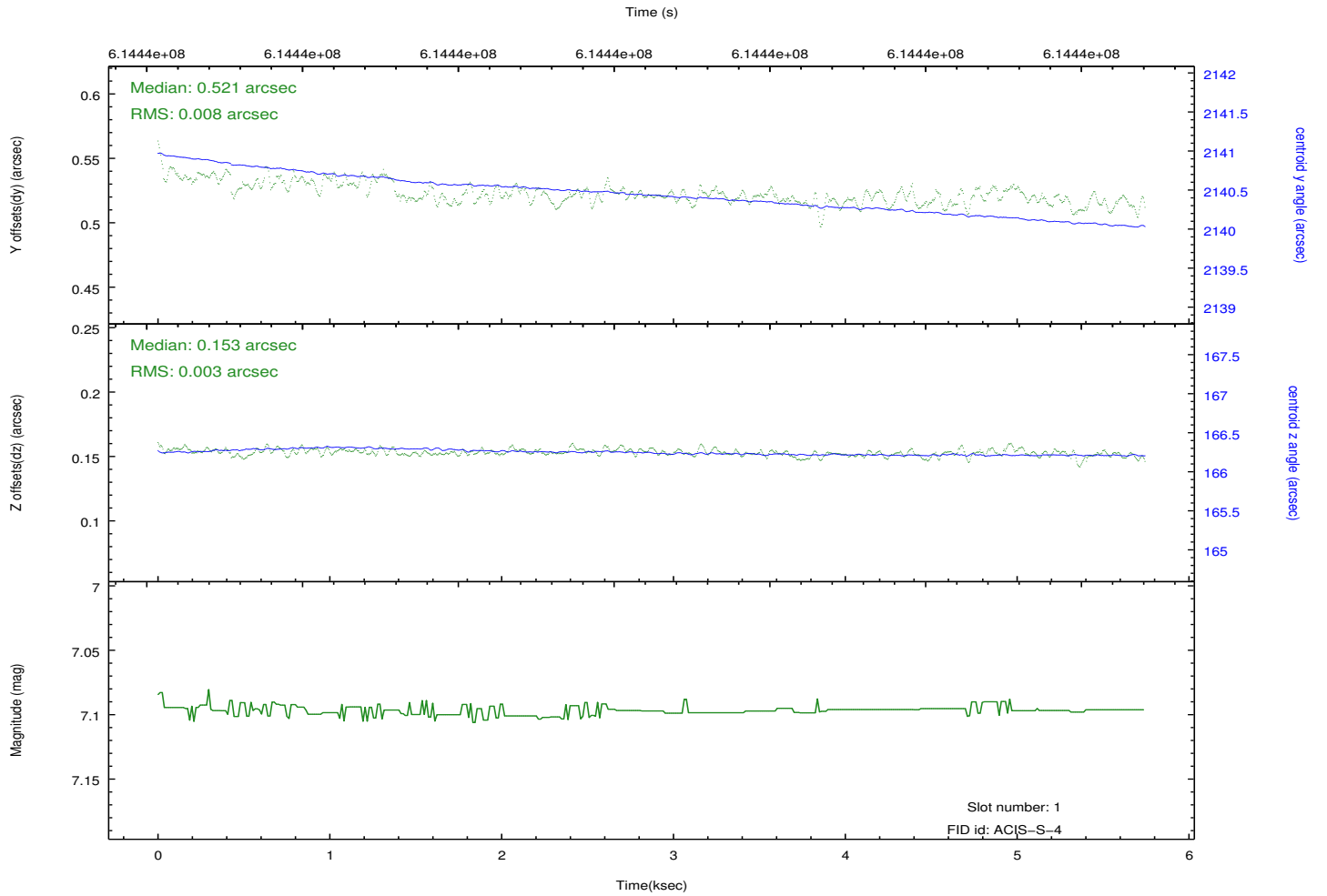
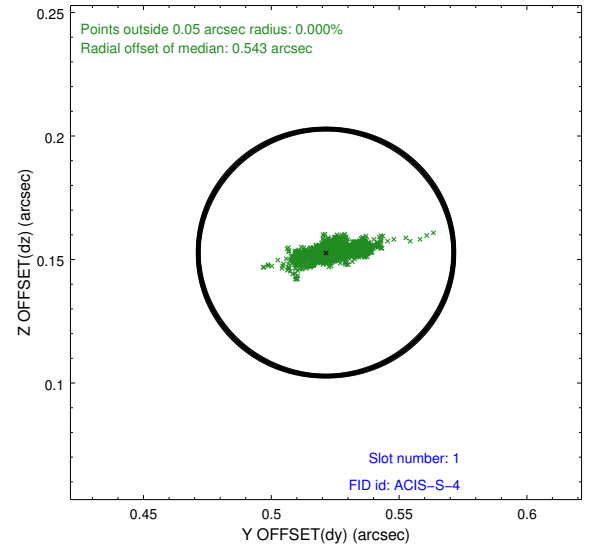
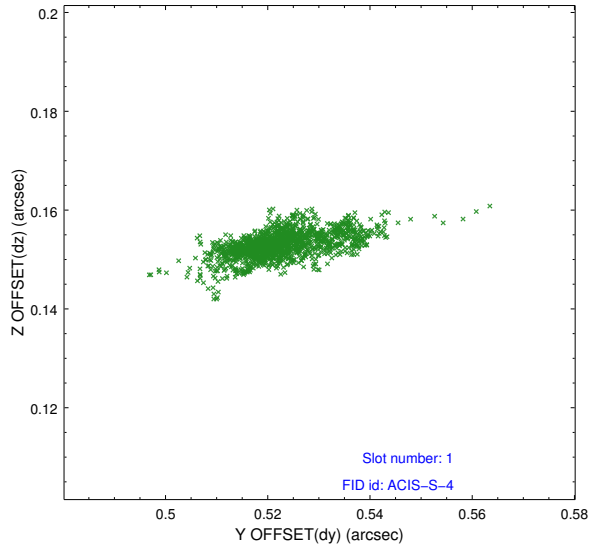


2.5 FID Slots

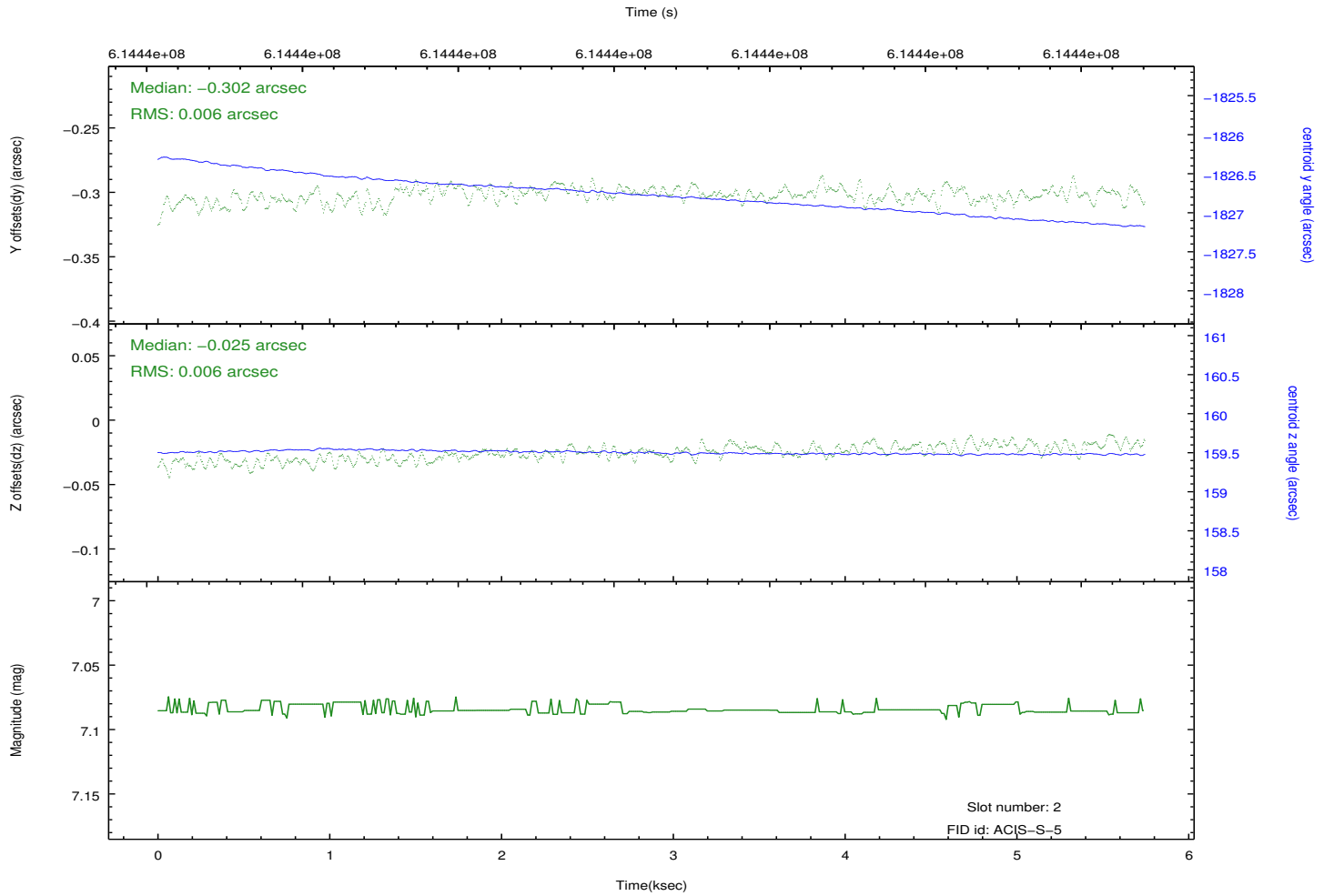
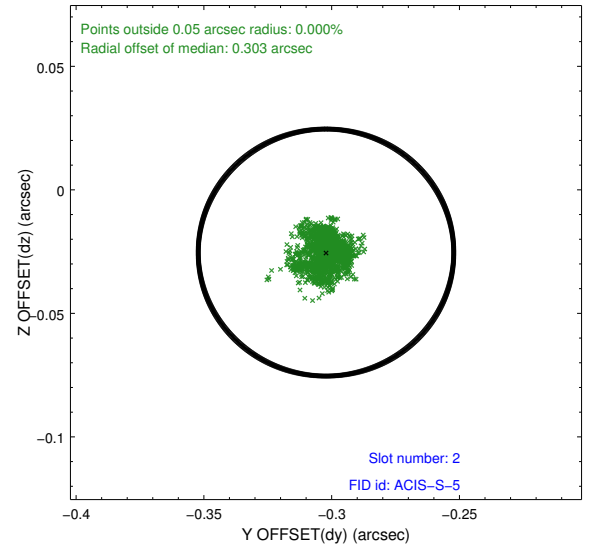
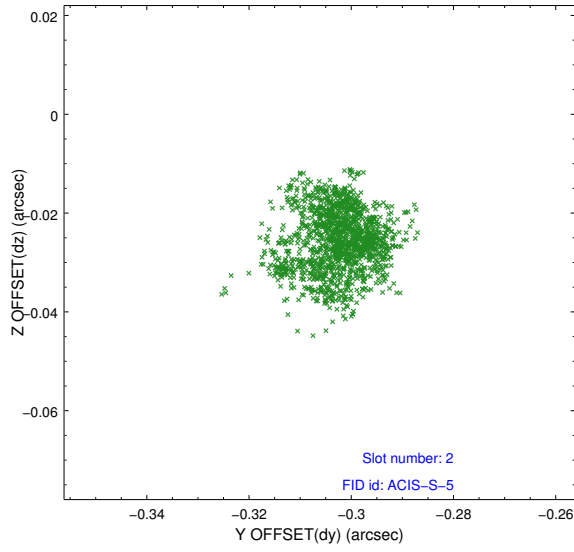
2.5.1 Slot 0



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)	2017.06.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.668799661994

A.2 Comments