

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18762 - L2 Version 1
Chandra X-Ray Center

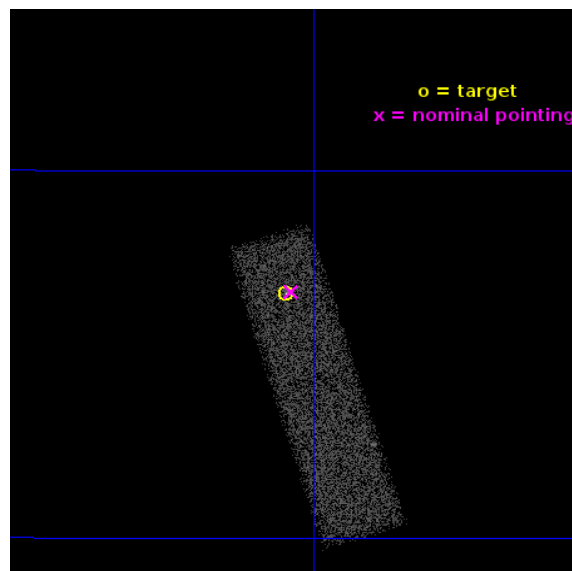
L2 Processing Date : Feb 18 2016

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1 Front

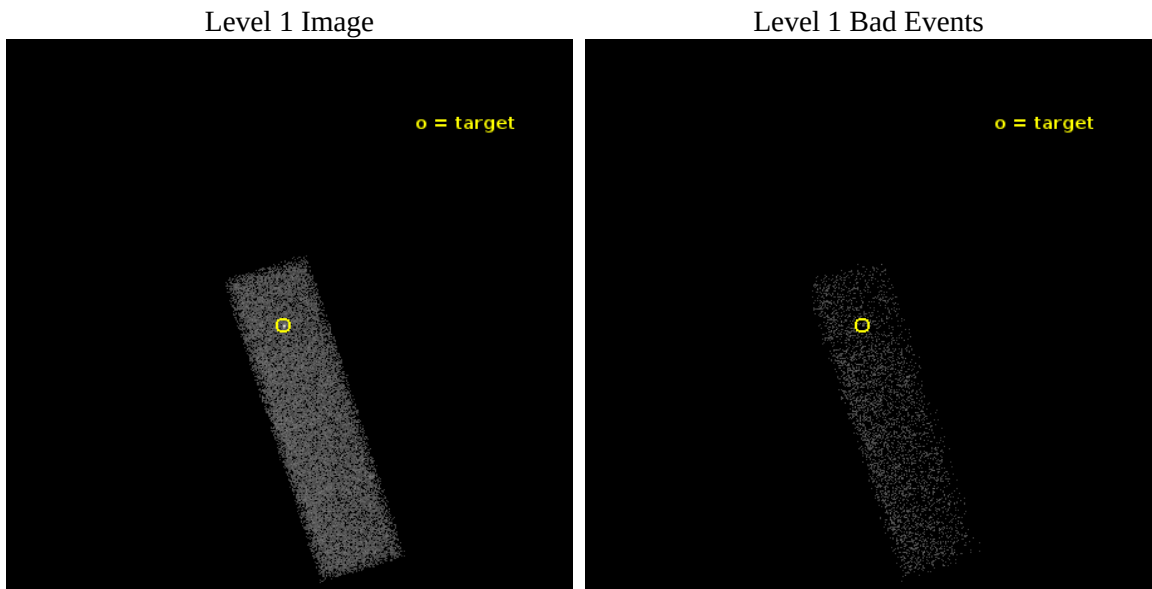
seq_num	703094	Sequence number
obs_id	18762	Observation id
title	Solving the X-ray Origin Problem in Large-scale Jets with Chandra and Fermi Observations	Proposal title
observer	Dr Eileen Meyer	Principal investigator
object	1642+690	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	250.5325	Observer's specified target RA [deg]
dec_targ	68.944444	Observer's specified target Dec [deg]
ra_nom	250.52629443931	Nominal RA [deg]
dec_nom	68.945320533013	Nominal Dec [deg]
roll_nom	72.662416242638	Nominal Roll [deg]
revision	1	Processing version of data
ontime	20060.798804283	Sum of GTIs [s]
livetime	19081.897464361	Livetime [s]
ontime7	20060.798804283	Sum of GTIs [s]
l2events	17420	Number of level 2 events



2 OBI

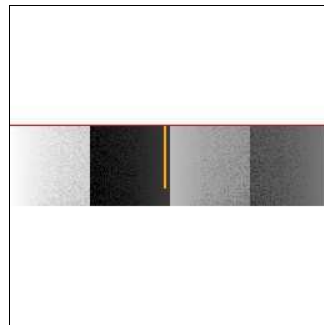
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	20060.798804283	Sum of GTIs [s]
caldbver	4.7.0	 	ontime7	20060.798804283	Sum of GTIs [s]
date	2016-02-19T03:49:03	Date and time of file creation	l1events	33634	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

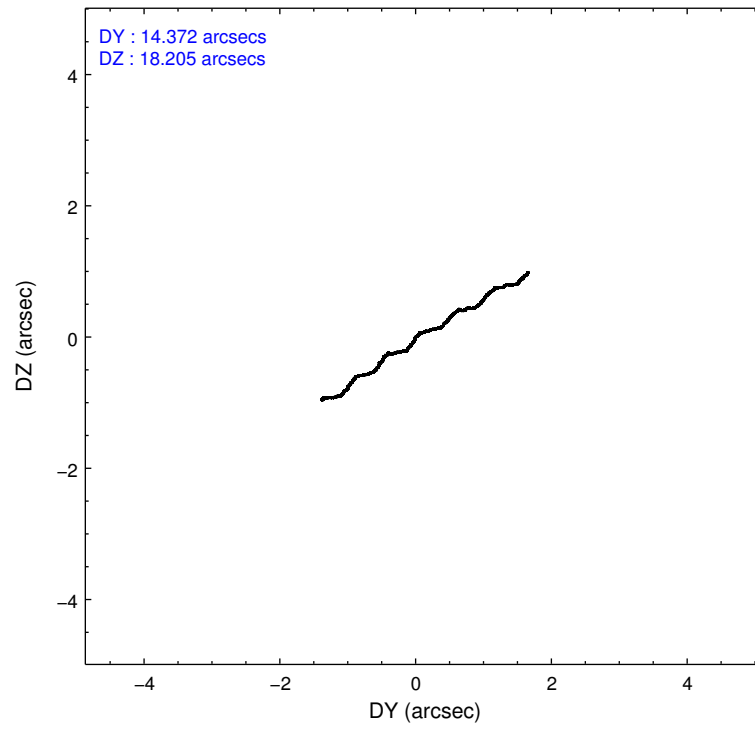
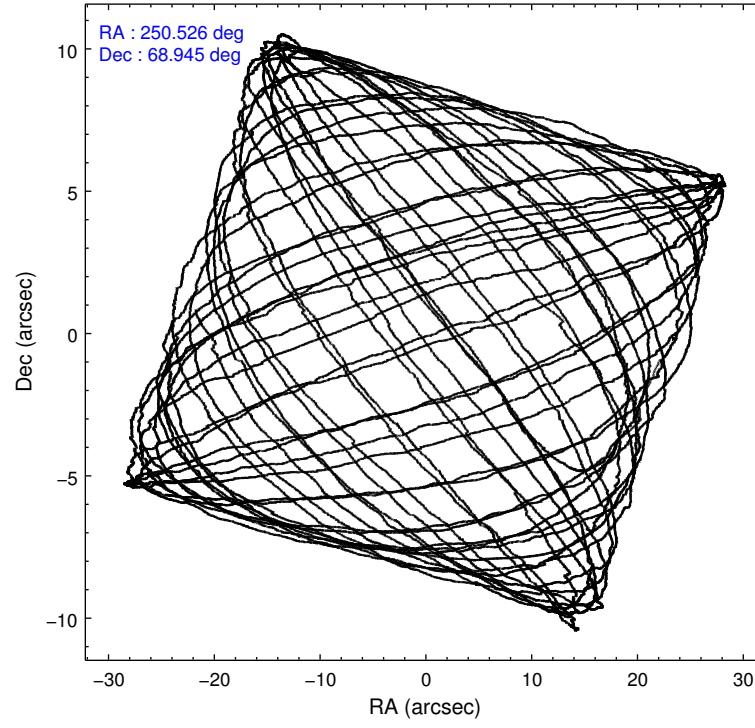
	ccd 7
level 1 events	33634
rejected events	15585
rejected %	46%

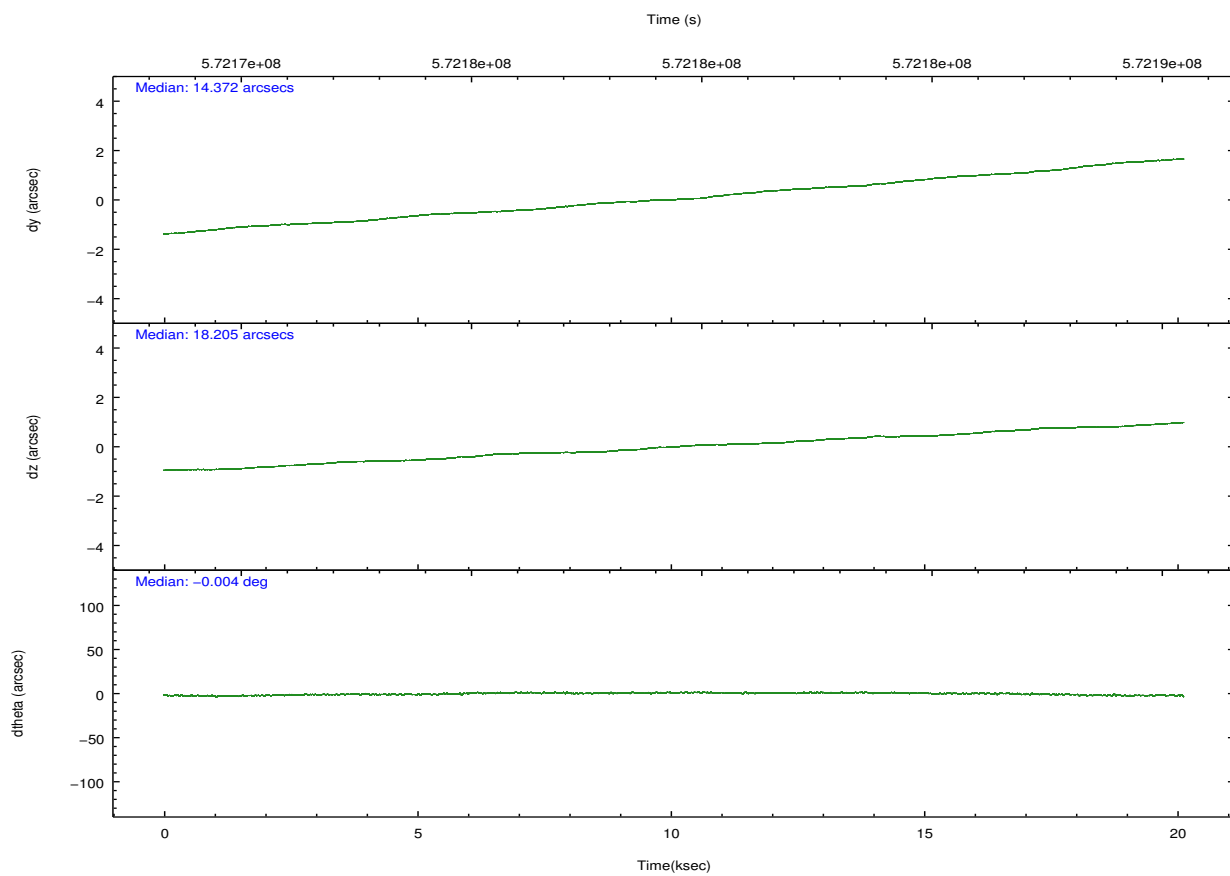
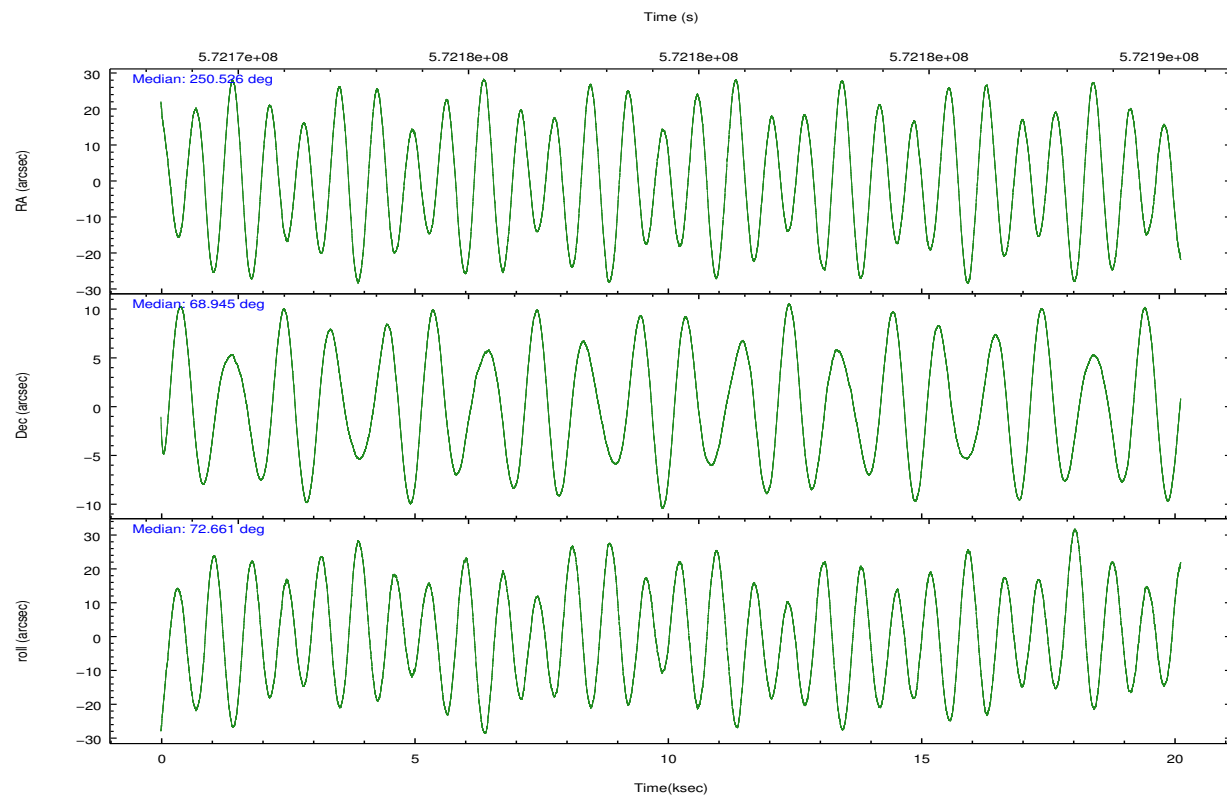
	ccd 7
grade 0 events	2108
	6%
grade 1 events	58
	0%
grade 2 events	3869
	11%
grade 3 events	2140
	6%
grade 4 events	2078
	6%
grade 5 events	3408
	10%
grade 6 events	7854
	23%
grade 7 events	12119
	36%

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	250.544005	250.5262944393105	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	68.918621	68.94532053301288	Subarray start row	385	385
[deg] Pointing Roll	72.489265	72.6624162426379	Subarray row count	256	256
[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	0.8
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	572169455.184000	572167722.65194			
Observation start date	2016-02-18T07:56:27	2016-02-18T07:28:42			
[s] Observation end time (MET)	572189455.184000	572190079.95321			
Observation end date	2016-02-18T13:29:47	2016-02-18T13:41:19			
Read mode	TIMED	TIMED			

2.3 Aspect



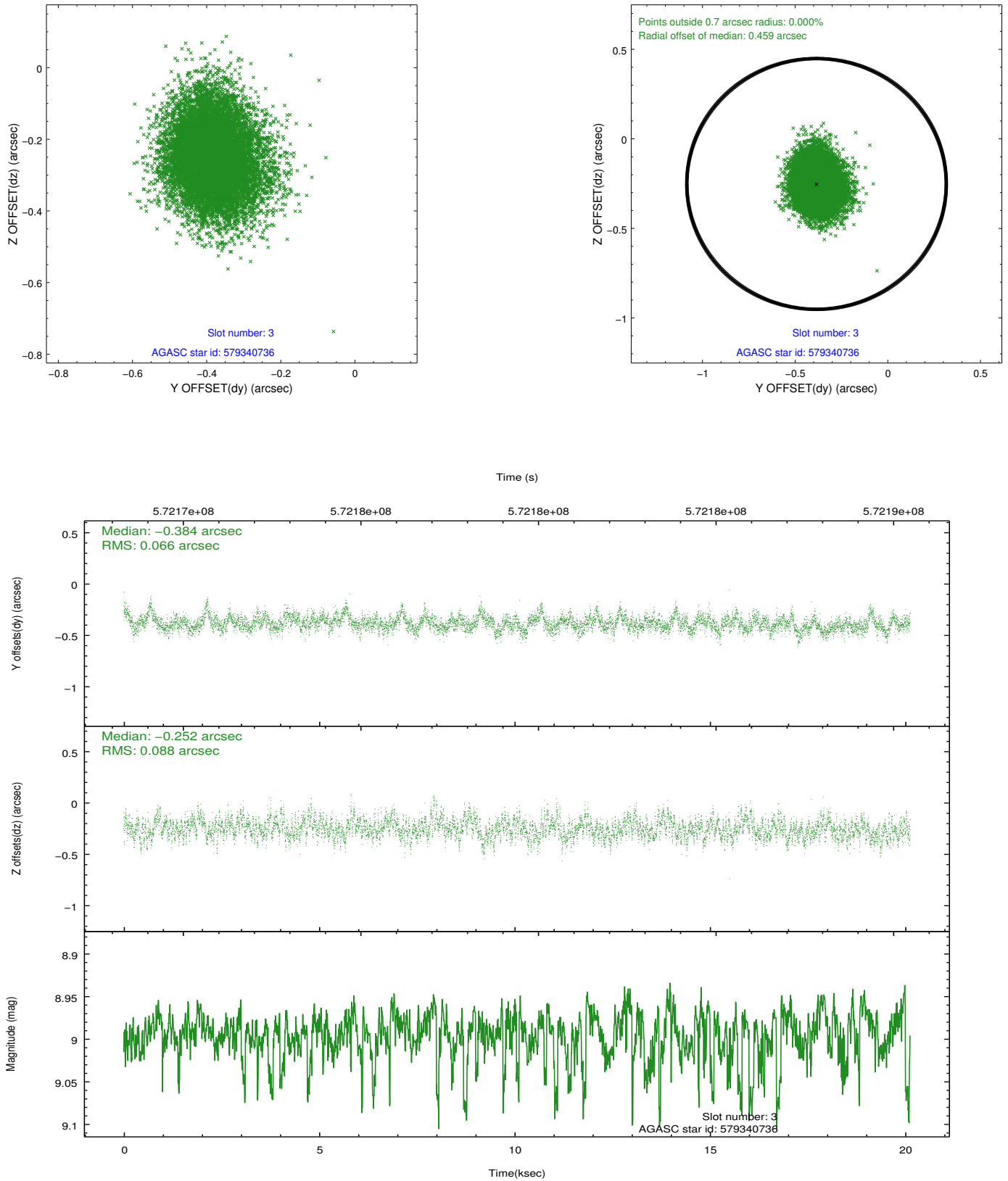


Slot Statistics

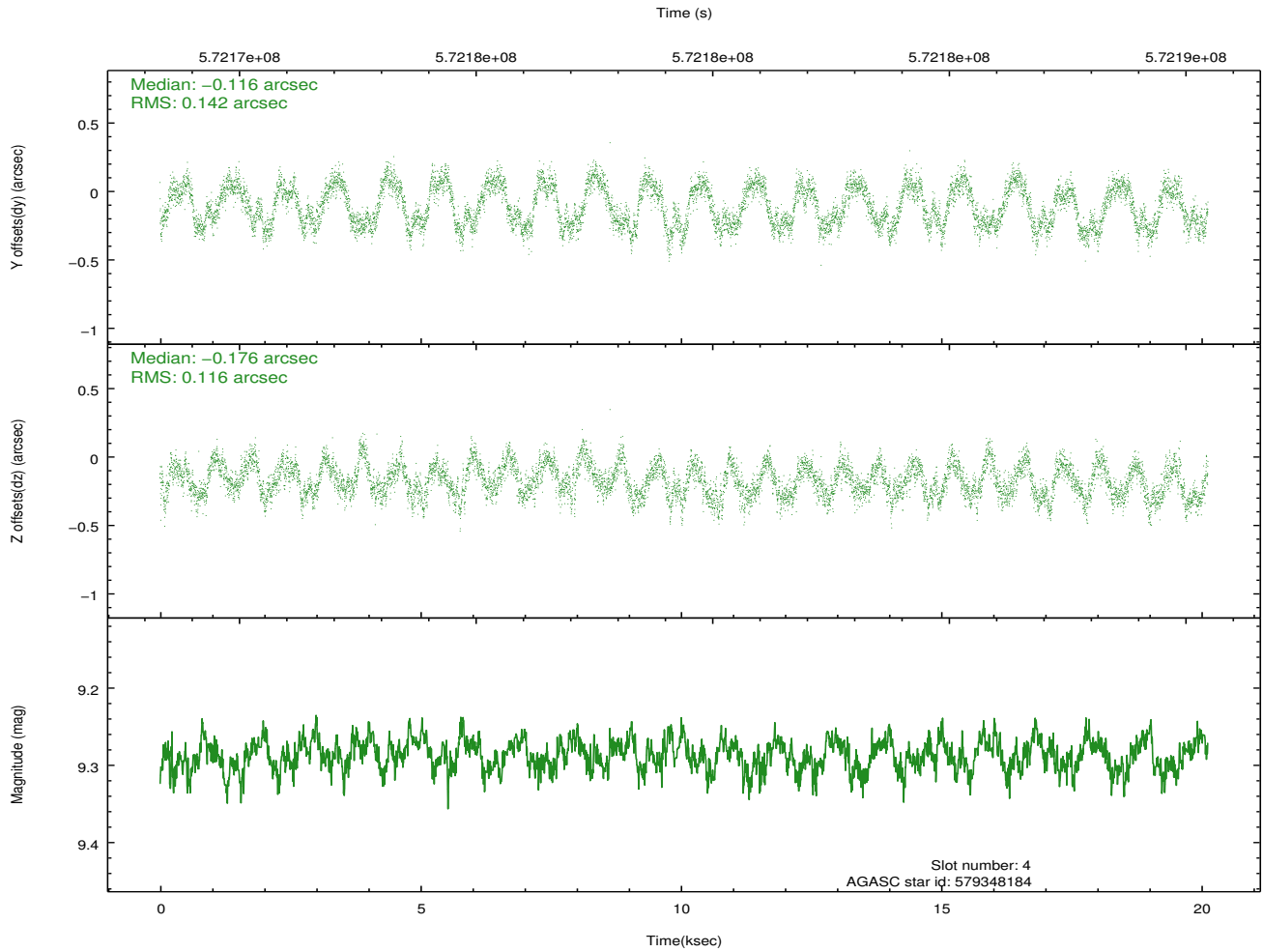
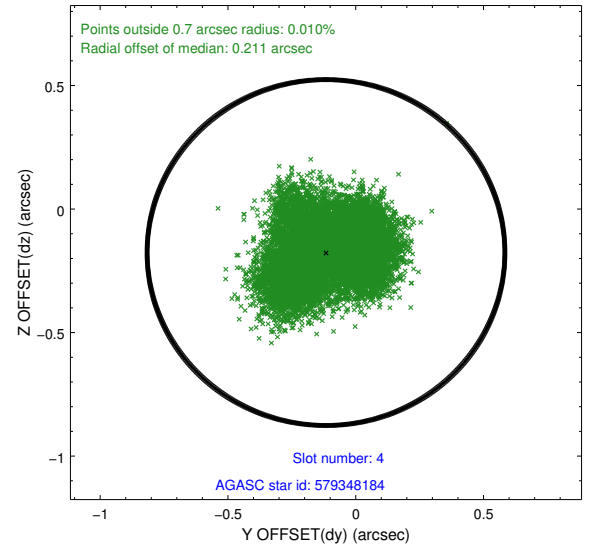
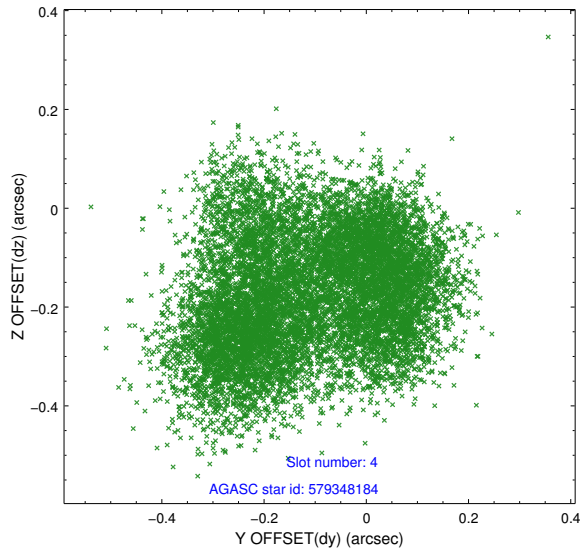
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.11	4908	-0.149	-0.135	0.036	0.053	0.000000	0.000000	-767.57	-1739.73
1	FID		ACIS-S-4	7.21	4909	0.427	0.109	0.025	0.057	0.000000	0.000000	2146.20	168.79
2	FID		ACIS-S-5	7.23	4909	-0.306	0.036	0.022	0.037	0.000000	0.000000	-1820.33	162.61
3	GUIDE	used	579340736	8.99	9813	-0.384	-0.252	0.117	0.192	249.397116	69.321462	958.41	1832.29
4	GUIDE	used	579348184	9.29	9808	-0.116	-0.176	0.202	0.286	249.672252	69.661527	2229.93	1847.35
5	GUIDE	used	579357080	8.39	9814	0.126	0.072	0.178	0.261	249.808649	68.321045	-2340.27	287.31
6	GUIDE	used	579351840	8.94	9805	0.232	0.355	0.115	0.189	251.421596	68.258572	-1905.65	-1828.05
7	GUIDE	used	579345072	7.91	9816	0.129	-0.001	0.099	0.161	251.844716	69.098847	1138.74	-1392.34

2.4 Star Slots

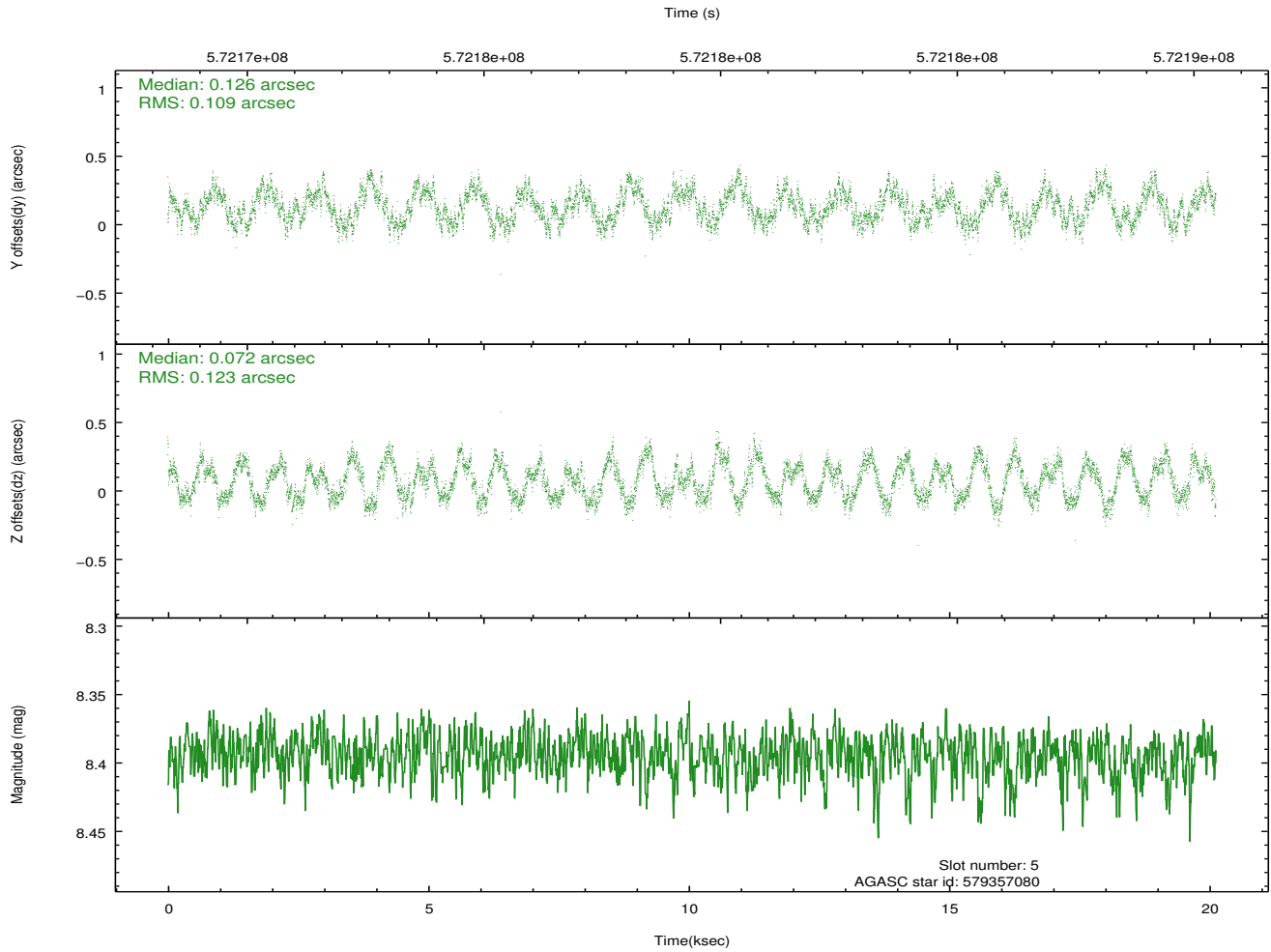
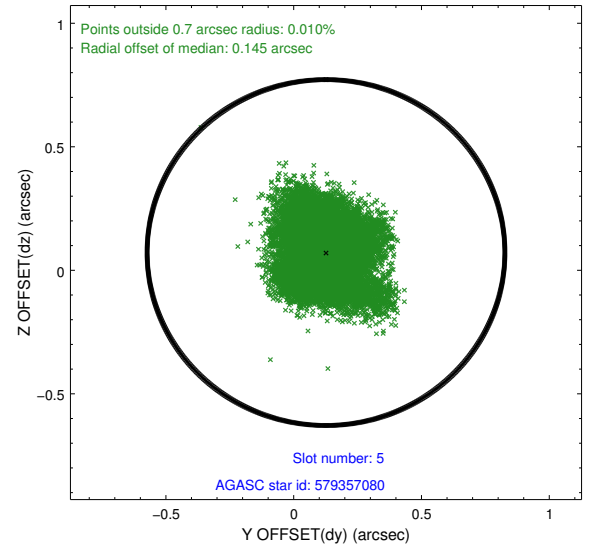
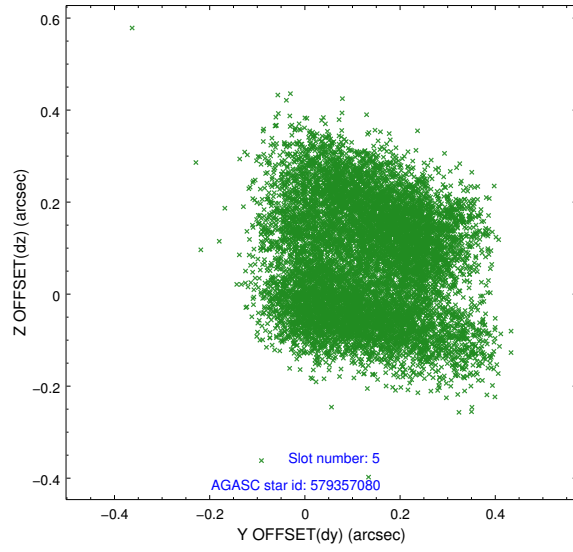
2.4.1 Slot 3



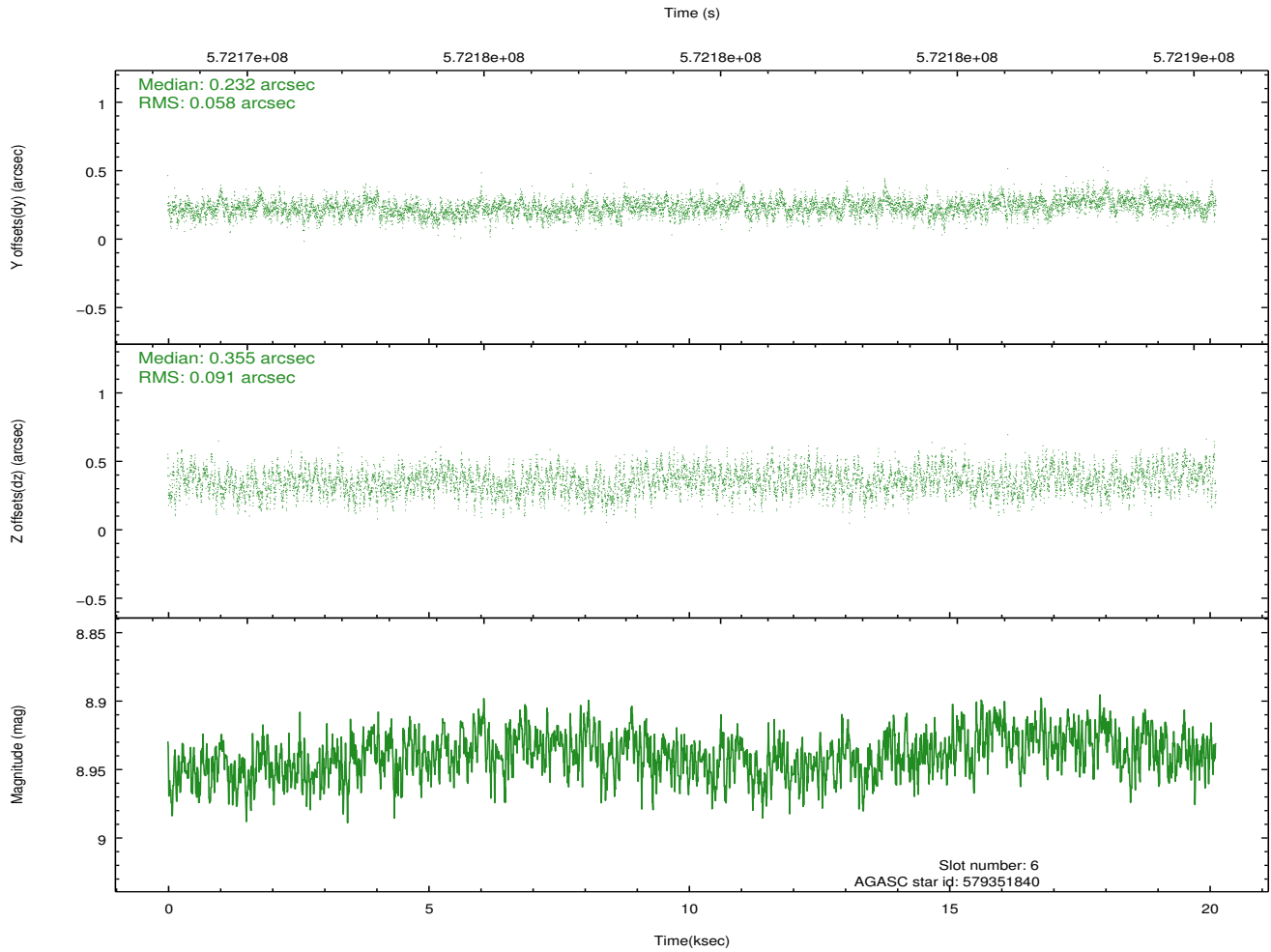
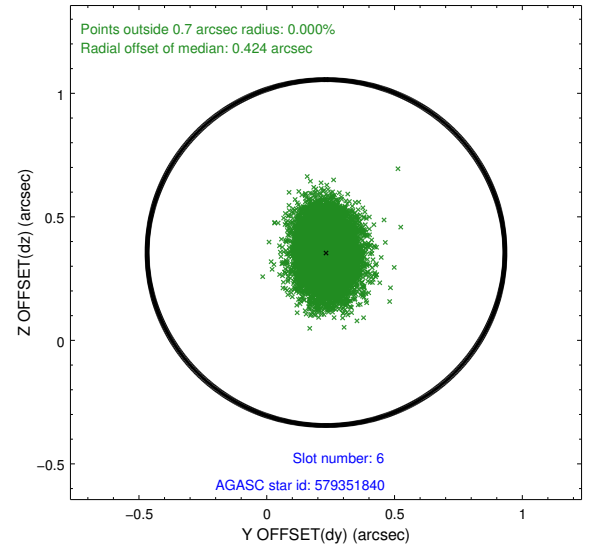
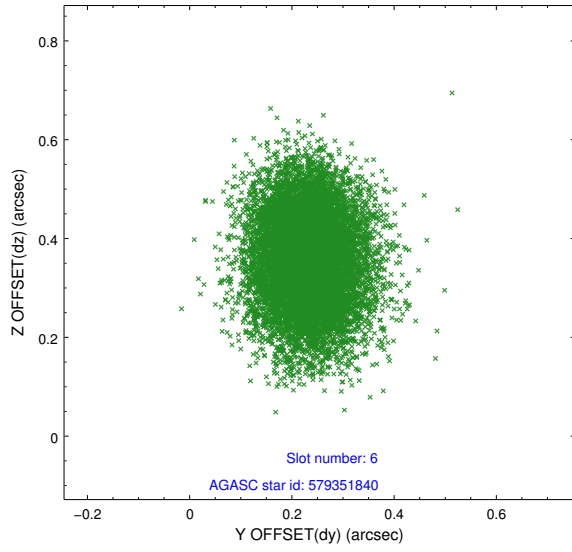
2.4.2 Slot 4



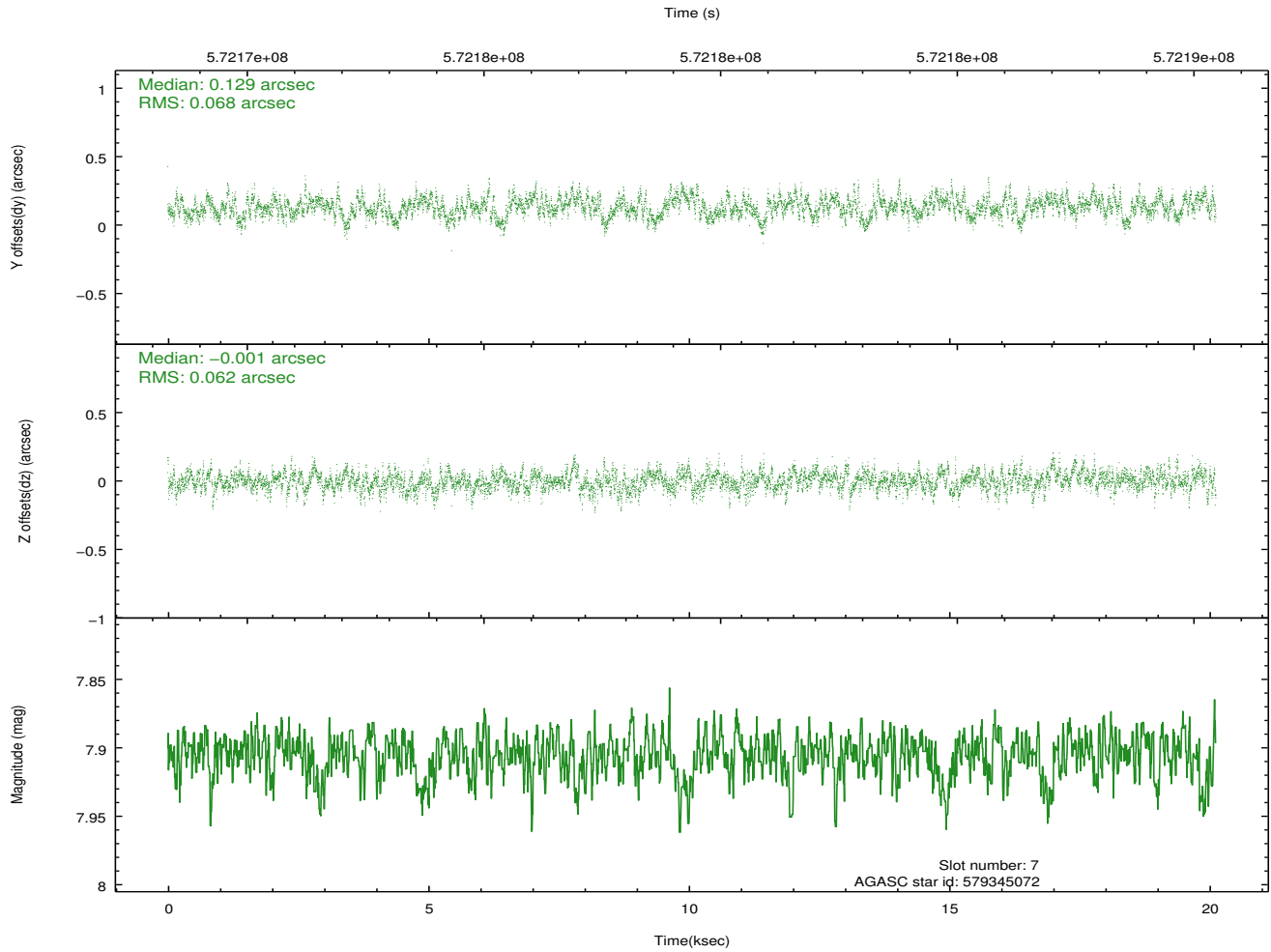
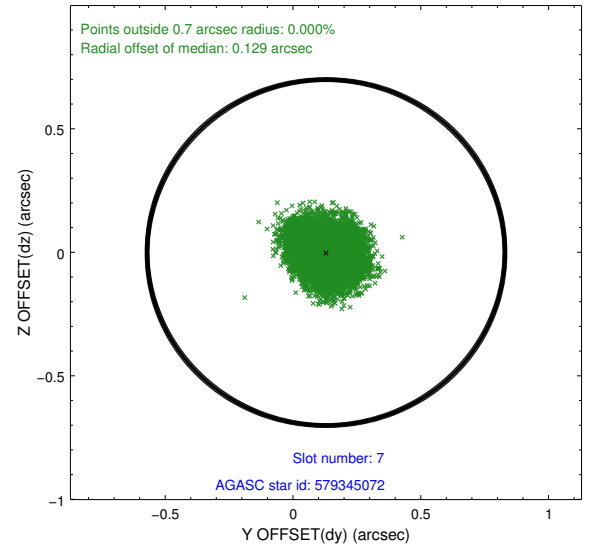
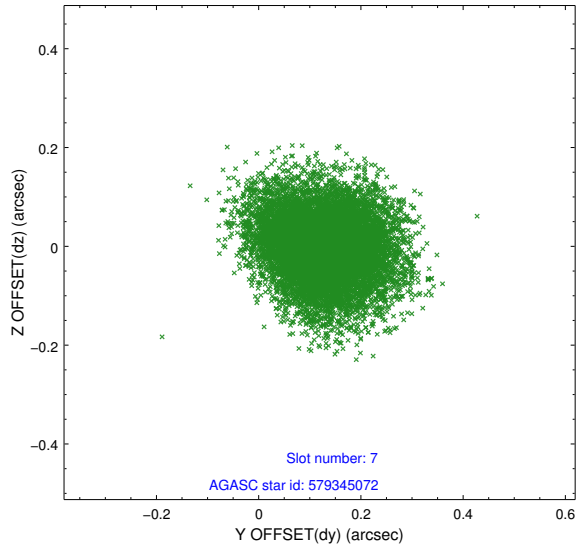
2.4.3 Slot 5



2.4.4 Slot 6

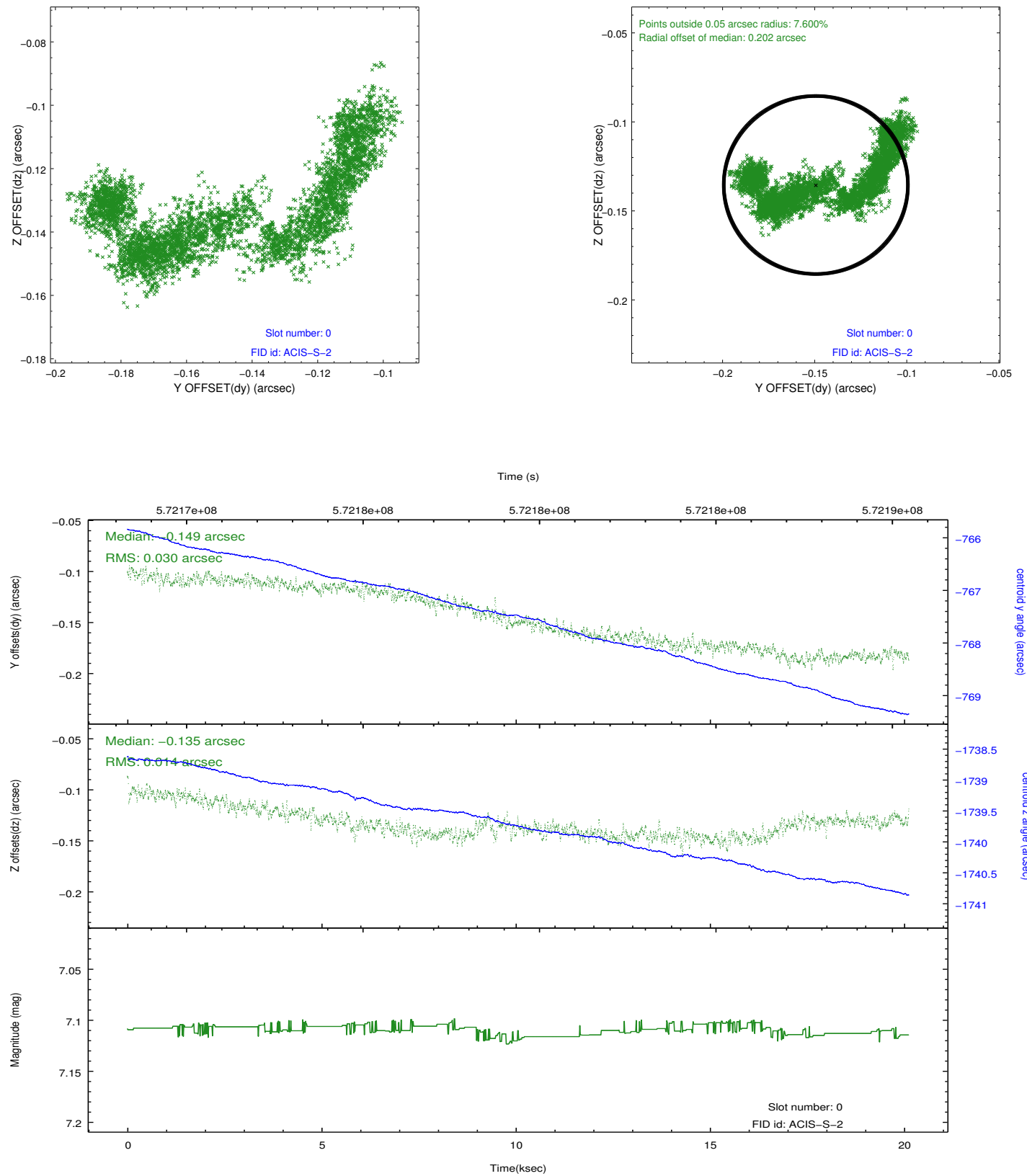


2.4.5 Slot 7

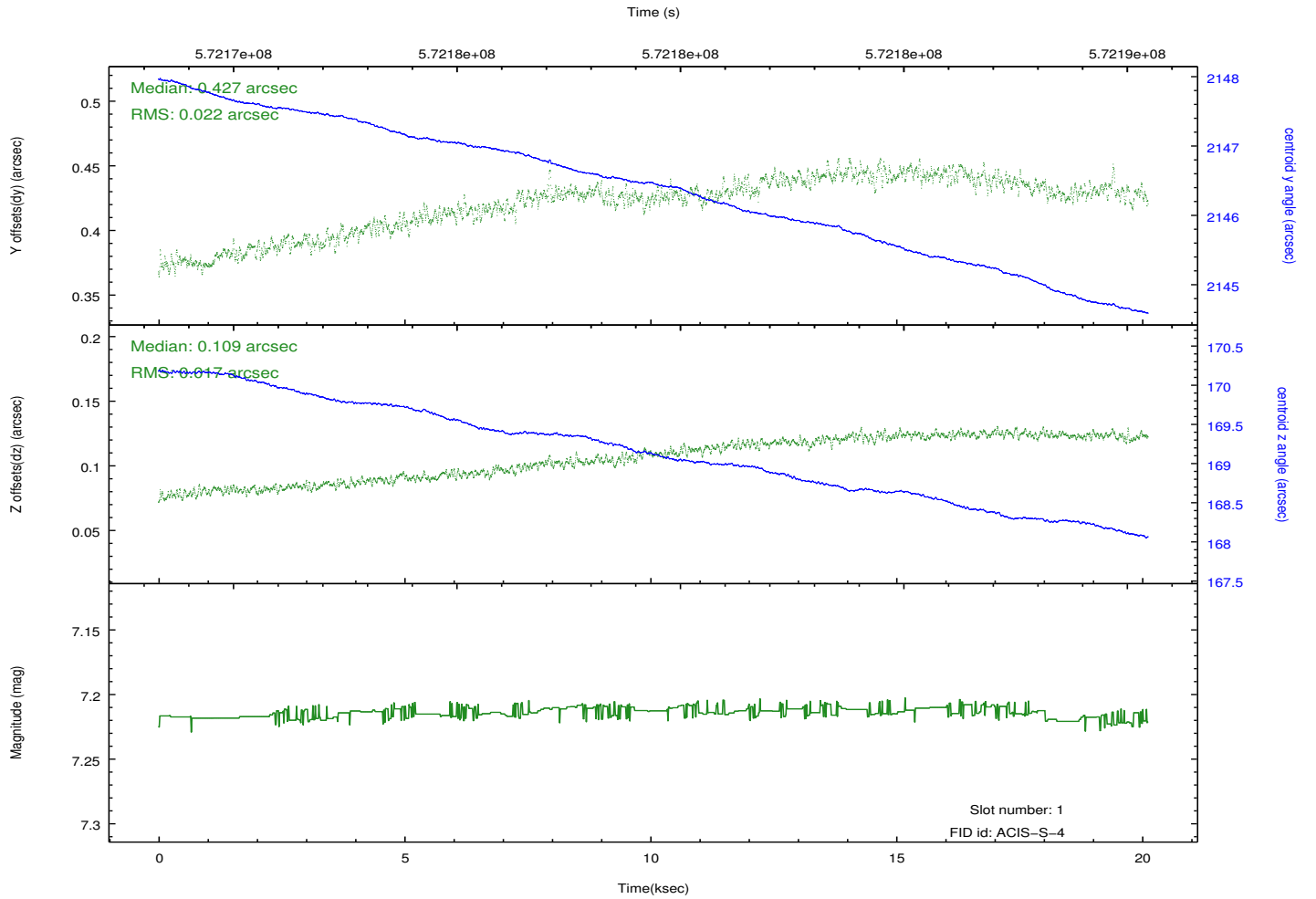
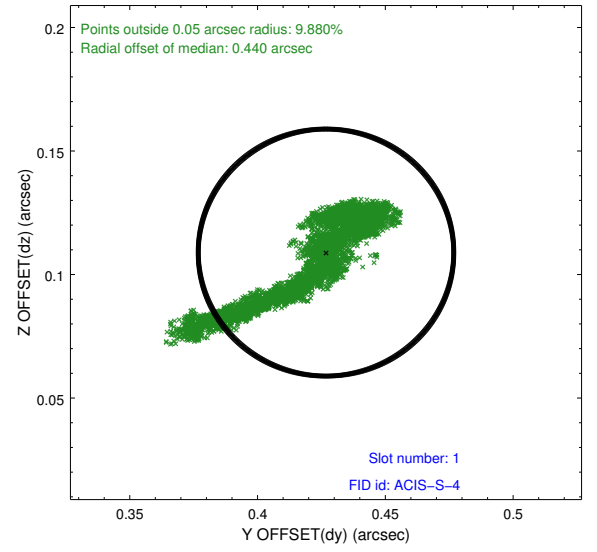
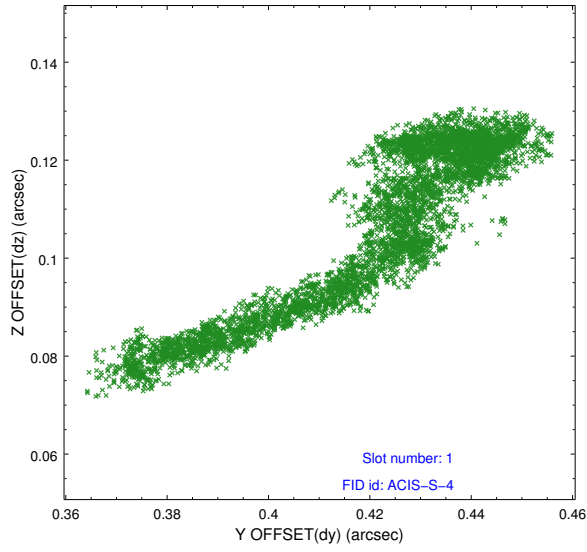


2.5 FID Slots

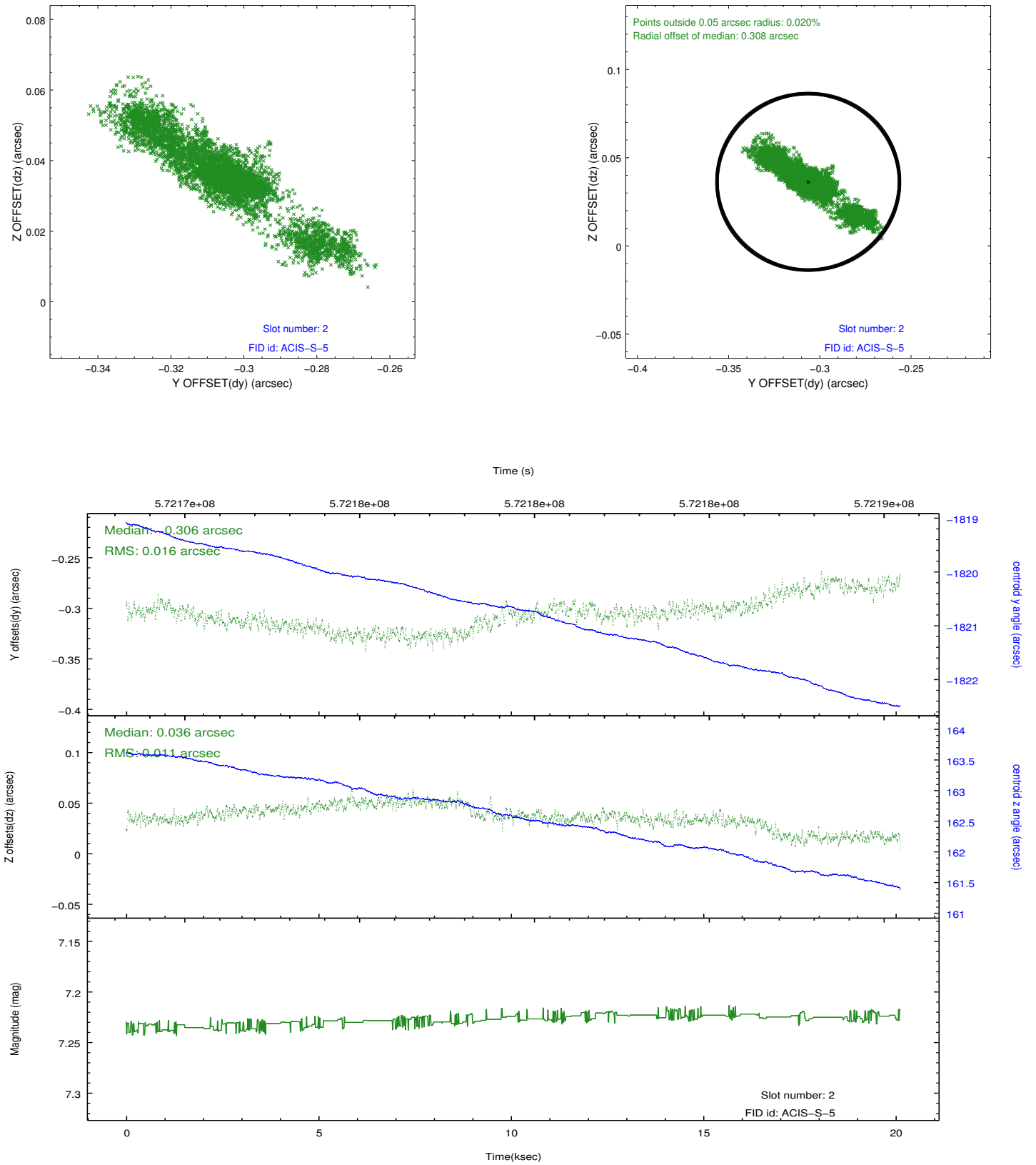
2.5.1 Slot 0



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)	2016.02.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.060798804283

A.2 Comments