

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19281 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jul 21 2017

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1 Front

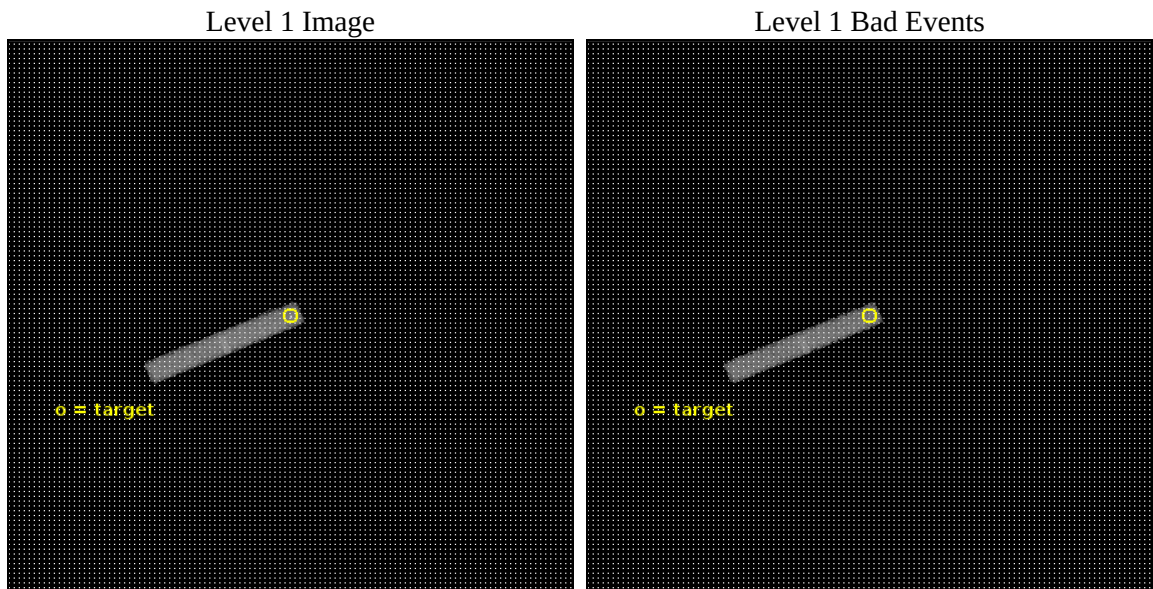
seq_num	502931	Sequence number
obs_id	19281	Observation id
title	Mysterious ejecta from a high-mass gamma-ray binary	Proposal title
observer	George Pavlov	Principal investigator
object	PSR B1259-63	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	195.698333	Observer's specified target RA [deg]
dec_targ	-63.83575	Observer's specified target Dec [deg]
ra_nom	195.69951475907	Nominal RA [deg]
dec_nom	-63.842506620268	Nominal Dec [deg]
roll_nom	247.20976107351	Nominal Roll [deg]
revision	1	Processing version of data
ontime	39101.156649113	Sum of GTIs [s]
livetime	35462.685152469	Livetime [s]
ontime3	39101.156649113	Sum of GTIs [s]
l2events	9352	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 3



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	39000.000000	[s] Scheduled observation exposure time
ascdsver	10.6	Processing system revision	ontime	39101.156649113	Sum of GTIs [s]
caldsver	4.7.5	 	ontime3	39101.156649113	Sum of GTIs [s]
date	2017-07-21T05:41:05	Date and time of file creation	l1events	54645	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

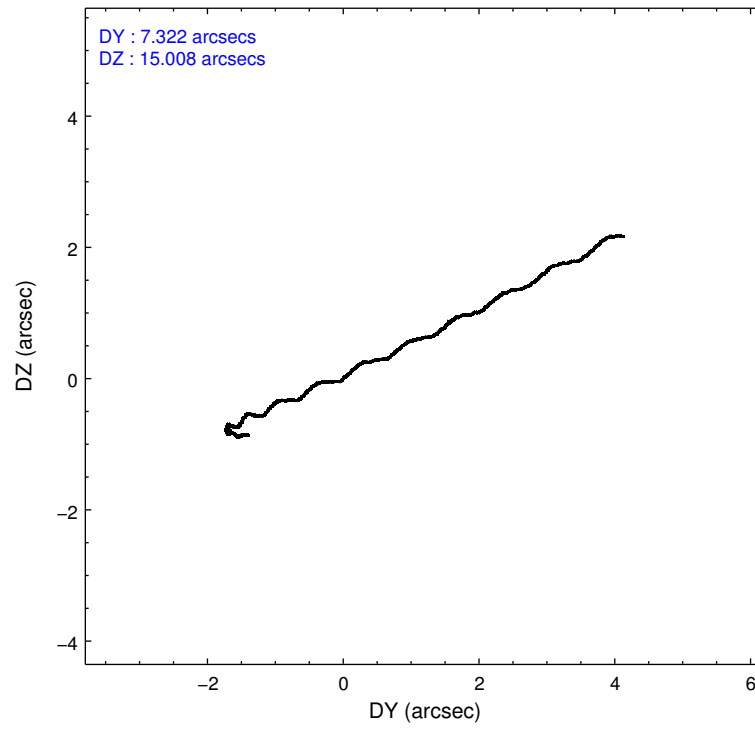
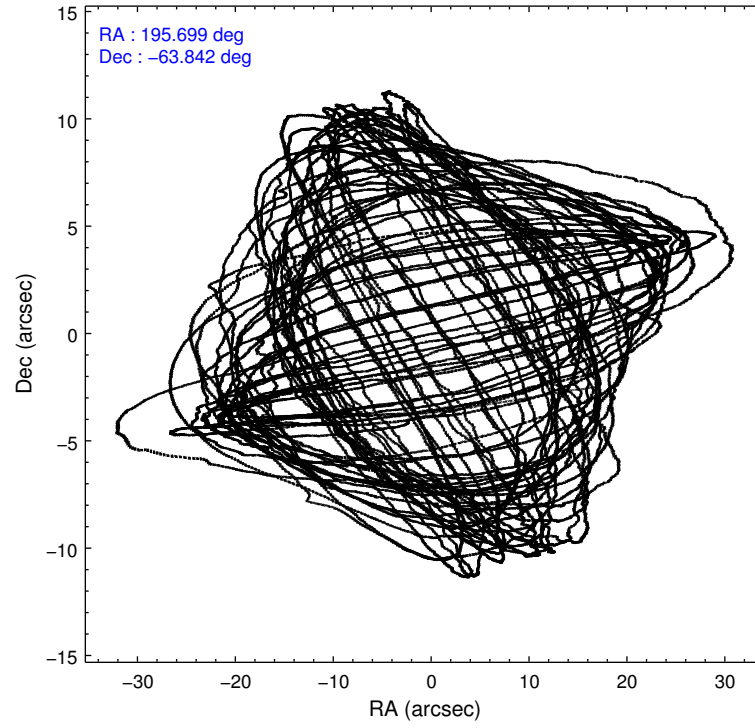
	ccd 3
level 1 events	54645
rejected events	44213
rejected %	80%

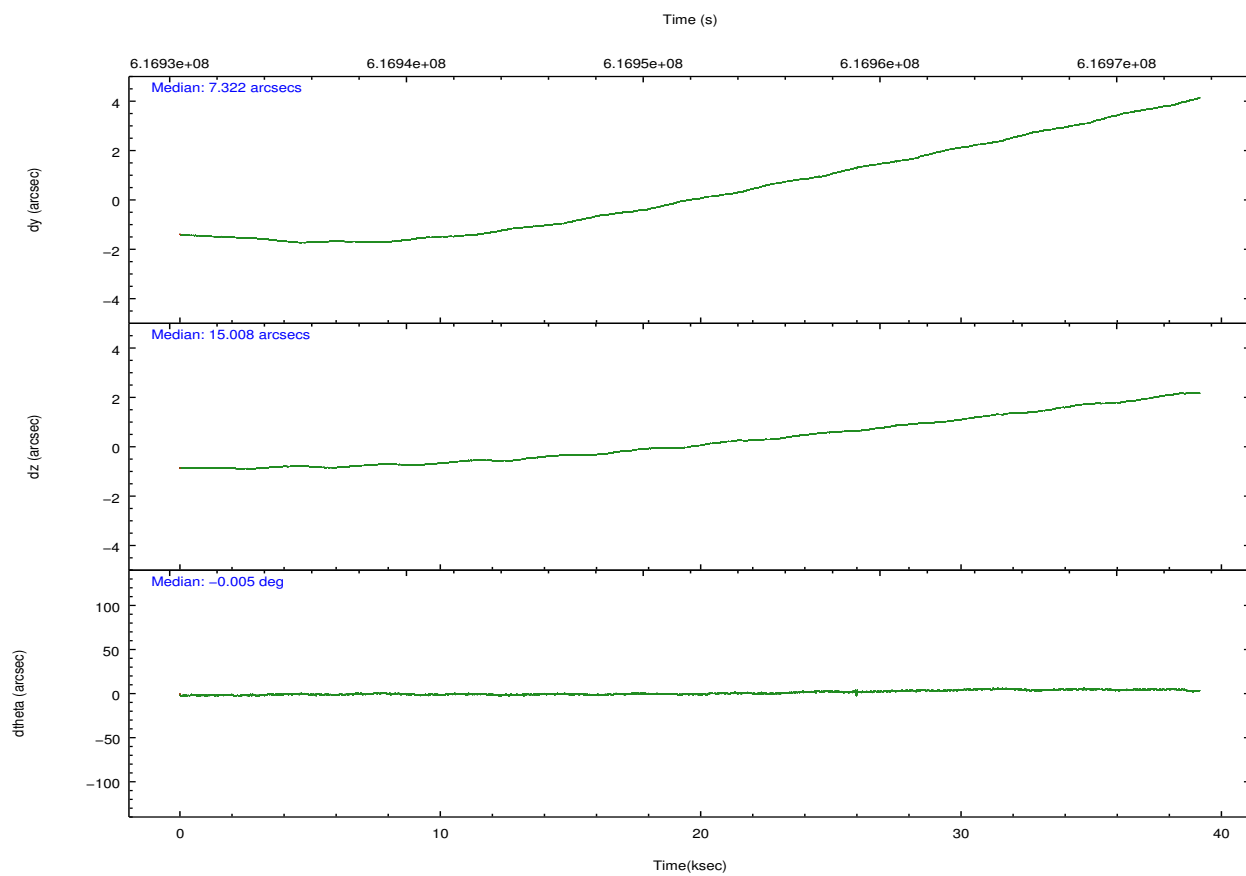
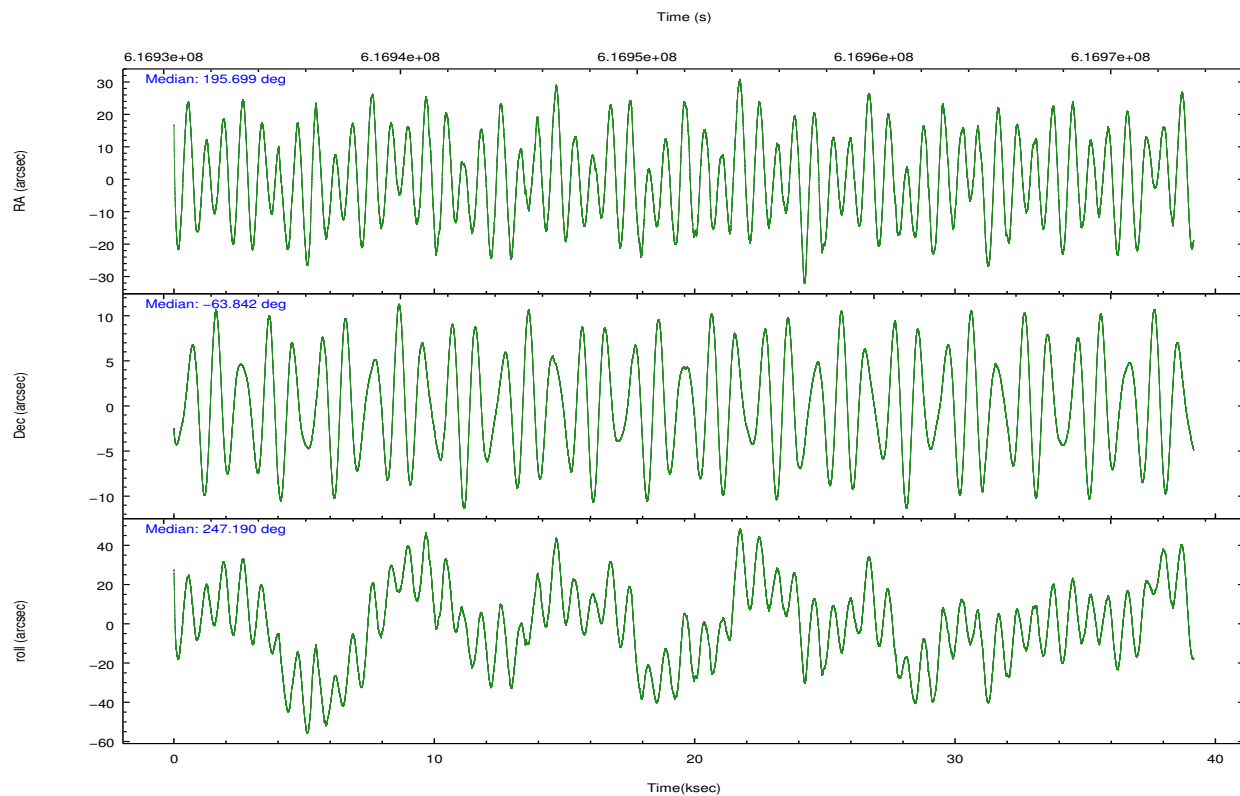
	ccd 3
grade 0 events	5387
	9%
grade 1 events	41
	0%
grade 2 events	1394
	2%
grade 3 events	1309
	2%
grade 4 events	1253
	2%
grade 5 events	1910
	3%
grade 6 events	1089
	1%
grade 7 events	42262
	77%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-3	ACIS-3	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	195.691441	195.6995147590665	Subarray requested	CUSTOM	CUSTOM
[deg] Pointing Dec	-63.815149	-63.84250662026847	Subarray start row	899	899
[deg] Pointing Roll	246.993814	247.2097610735111	Subarray row count	124	124
[s] Window start time (MET)	615254469.184000	615254469.184000	Alternating exposures requested	N	N
[s] Window stop time (MET)	617846469.184000	617846469.184000	[s] Primary exposure time	0.000000	0.4
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	616932529.184000	616931511.84409			
Observation start date	2017-07-20T10:07:40	2017-07-20T09:51:51			
[s] Observation end time (MET)	616971529.184000	616972328.88398			
Observation end date	2017-07-20T20:57:40	2017-07-20T21:12:08			
Read mode	TIMED	TIMED			

2.3 Aspect



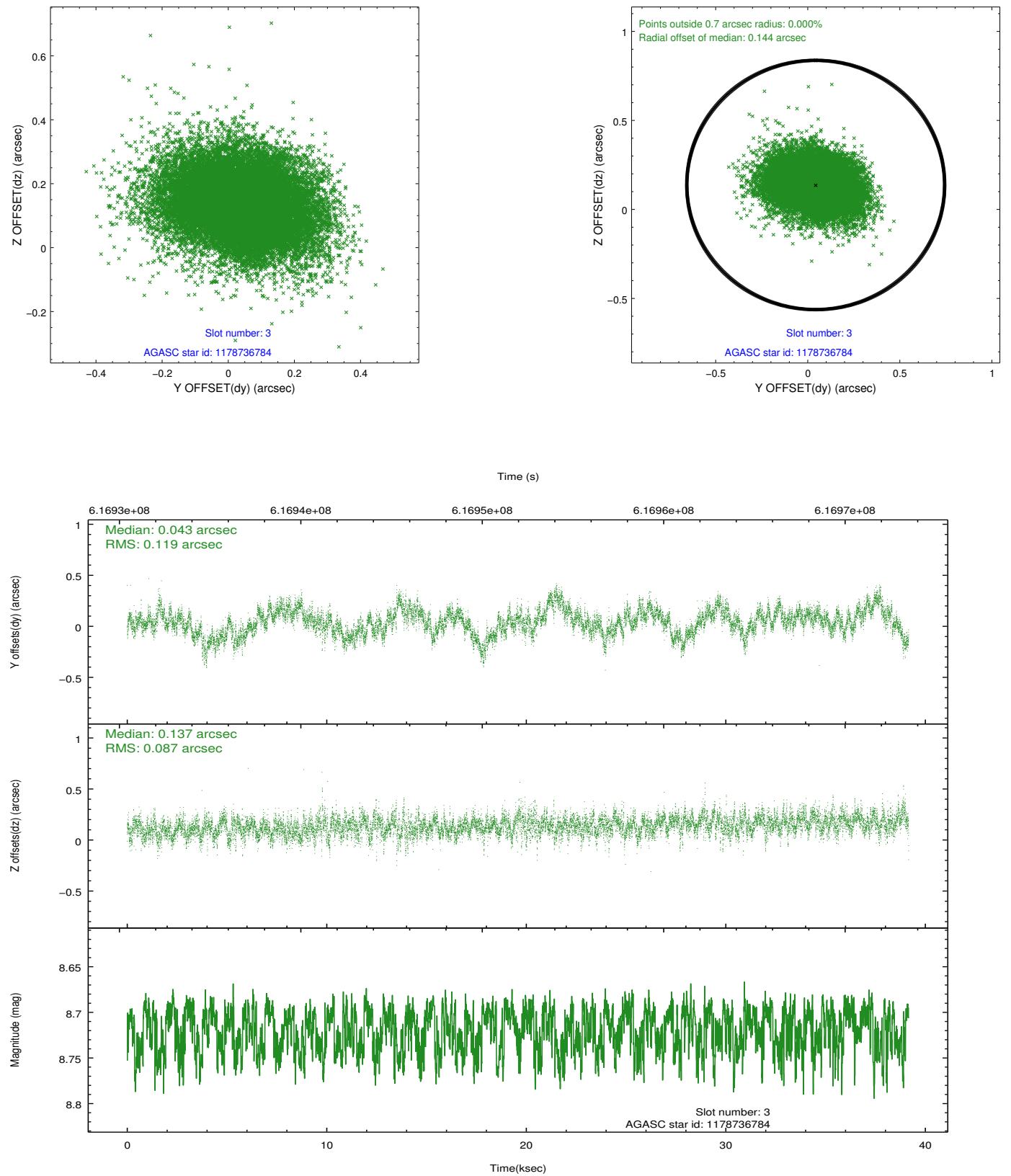


Slot Statistics

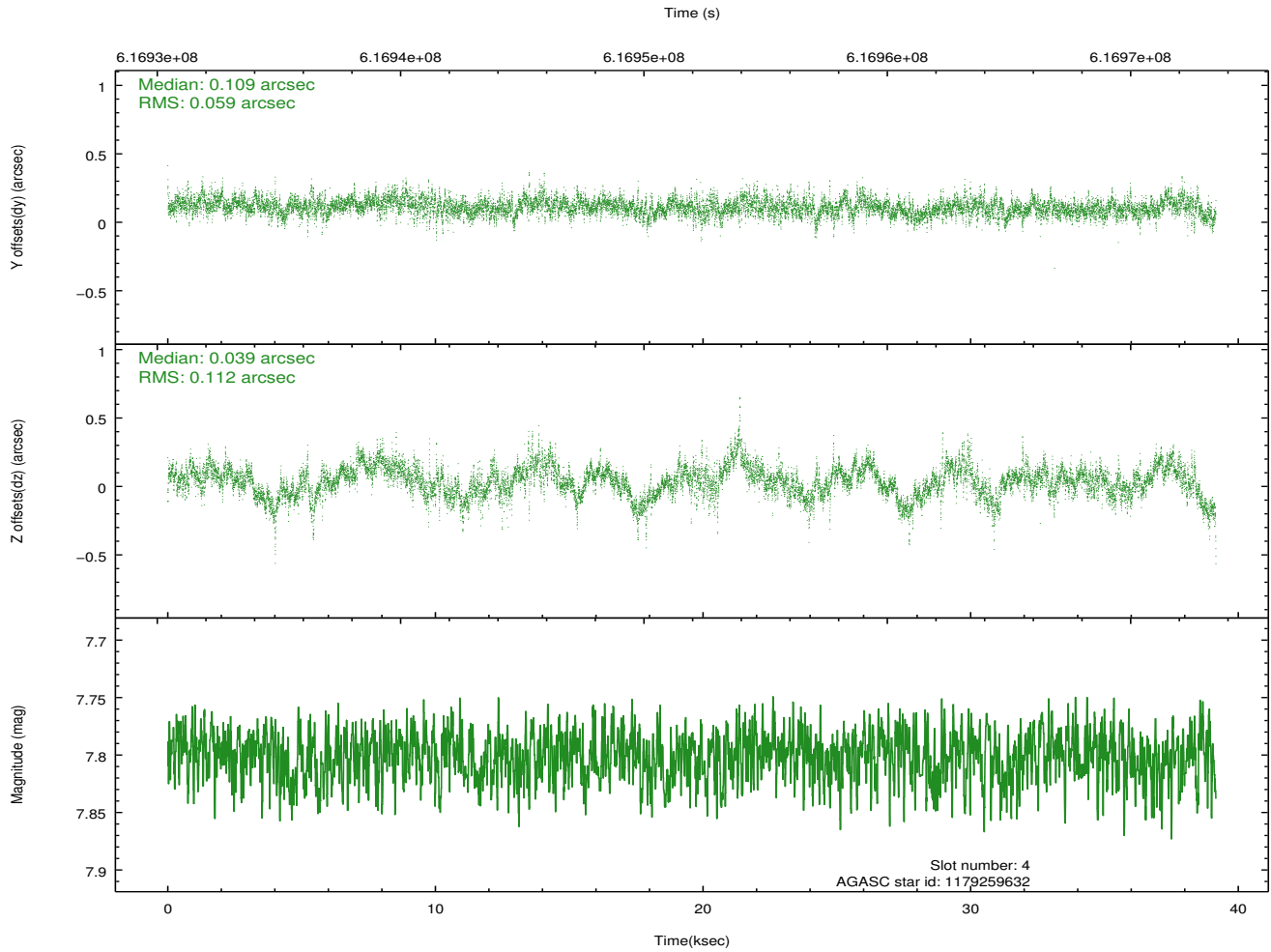
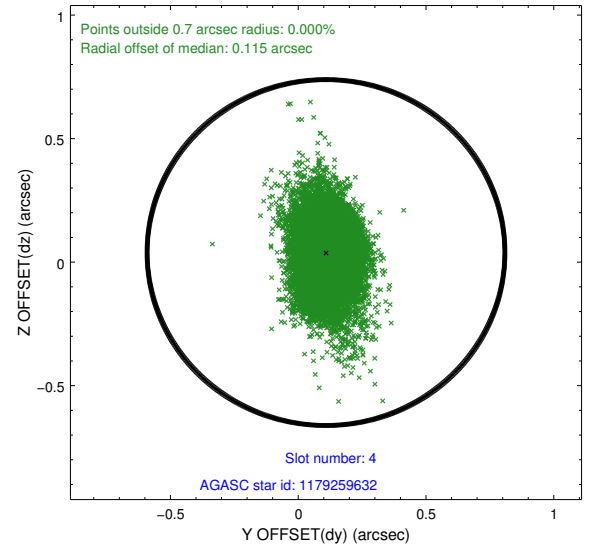
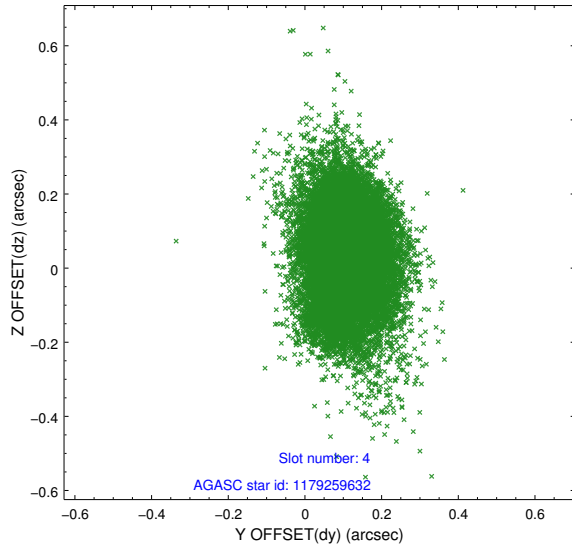
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.11	9552	0.072	-0.074	0.028	0.041	0.000000	0.000000	932.07	-838.90
1	FID		ACIS-I-5	7.09	9553	-0.305	0.039	0.026	0.034	0.000000	0.000000	-1816.49	1058.56
2	FID		ACIS-I-6	7.09	9552	0.145	0.102	0.034	0.047	0.000000	0.000000	397.55	1703.26
3	GUIDE	used	1178736784	8.72	19091	0.043	0.137	0.155	0.262	194.442863	-63.656885	273.99	-2050.27
4	GUIDE	used	1179259632	7.80	19101	0.109	0.039	0.126	0.231	194.903869	-64.371399	2333.25	-347.56
5	GUIDE	used	1179264376	8.71	19096	-0.145	-0.125	0.142	0.242	196.513194	-64.243211	923.00	1789.67
6	GUIDE	used	1179266488	7.09	18982	-0.150	-0.212	0.151	0.277	196.258505	-64.441584	1734.98	1694.31
7	GUIDE	used	1178734856	8.17	19099	0.142	0.168	0.167	0.320	195.759625	-63.178913	-2151.09	-792.99

2.4 Star Slots

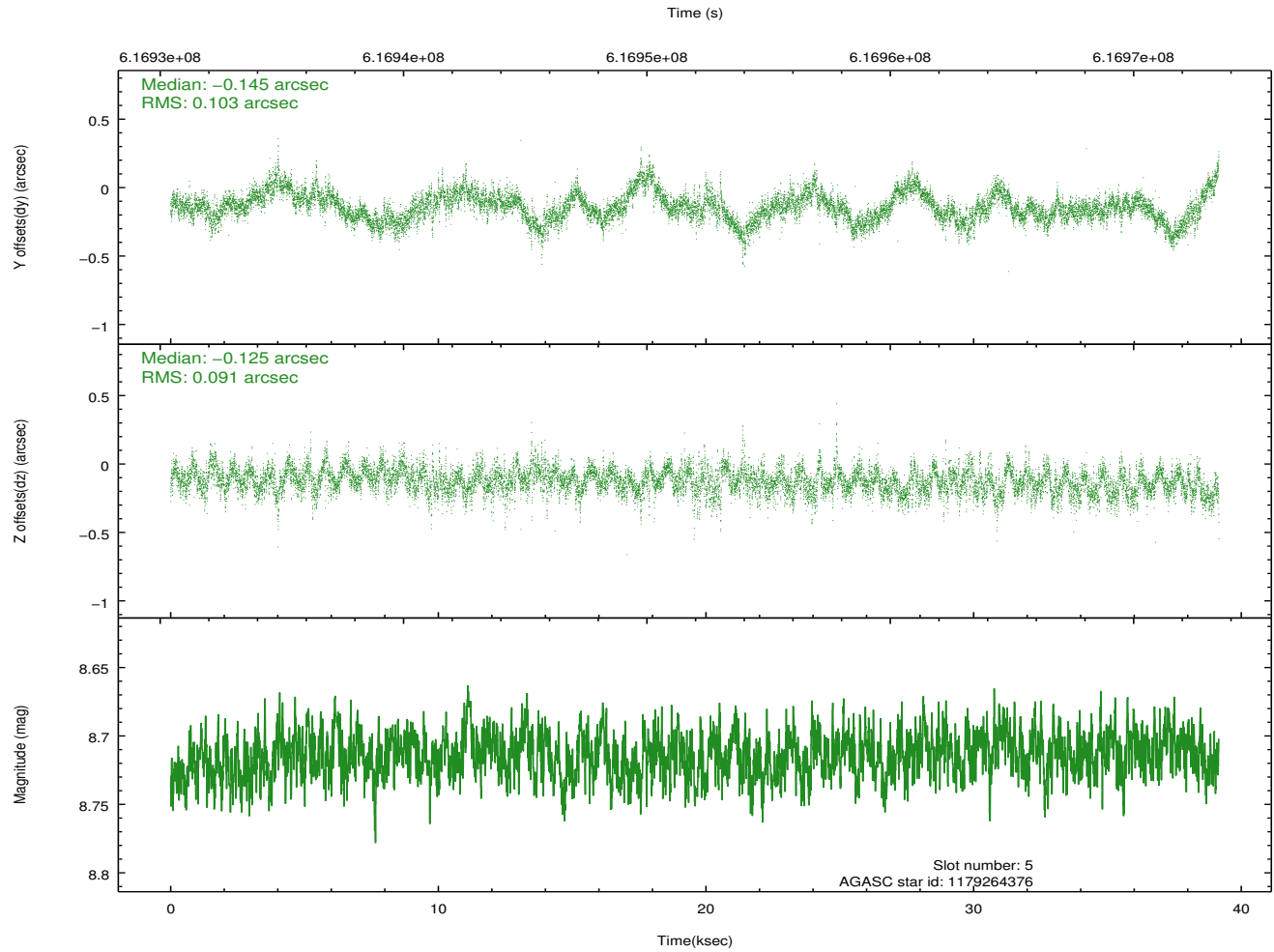
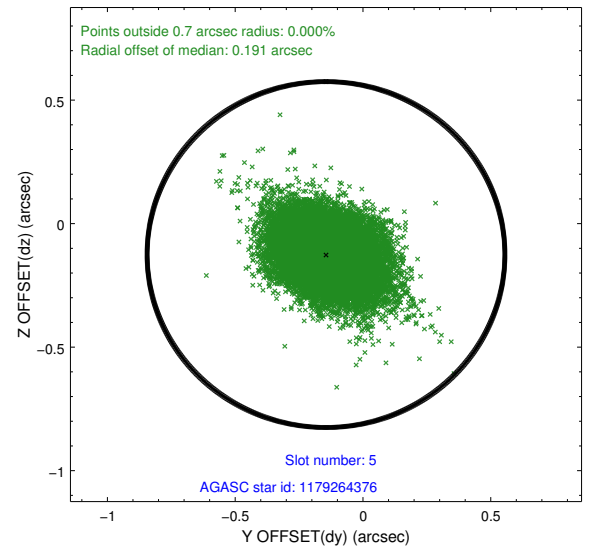
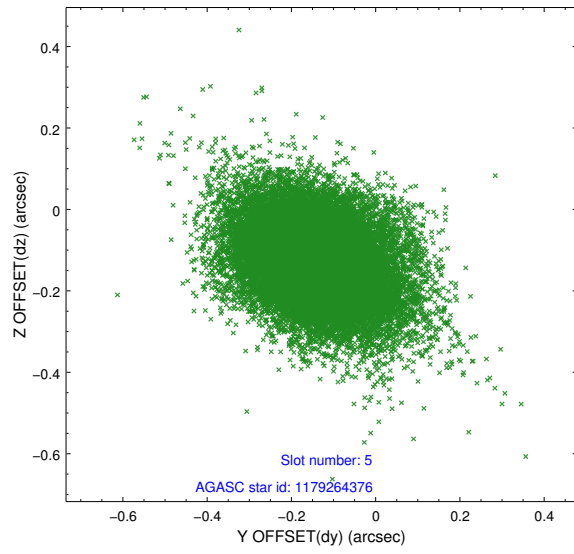
2.4.1 Slot 3



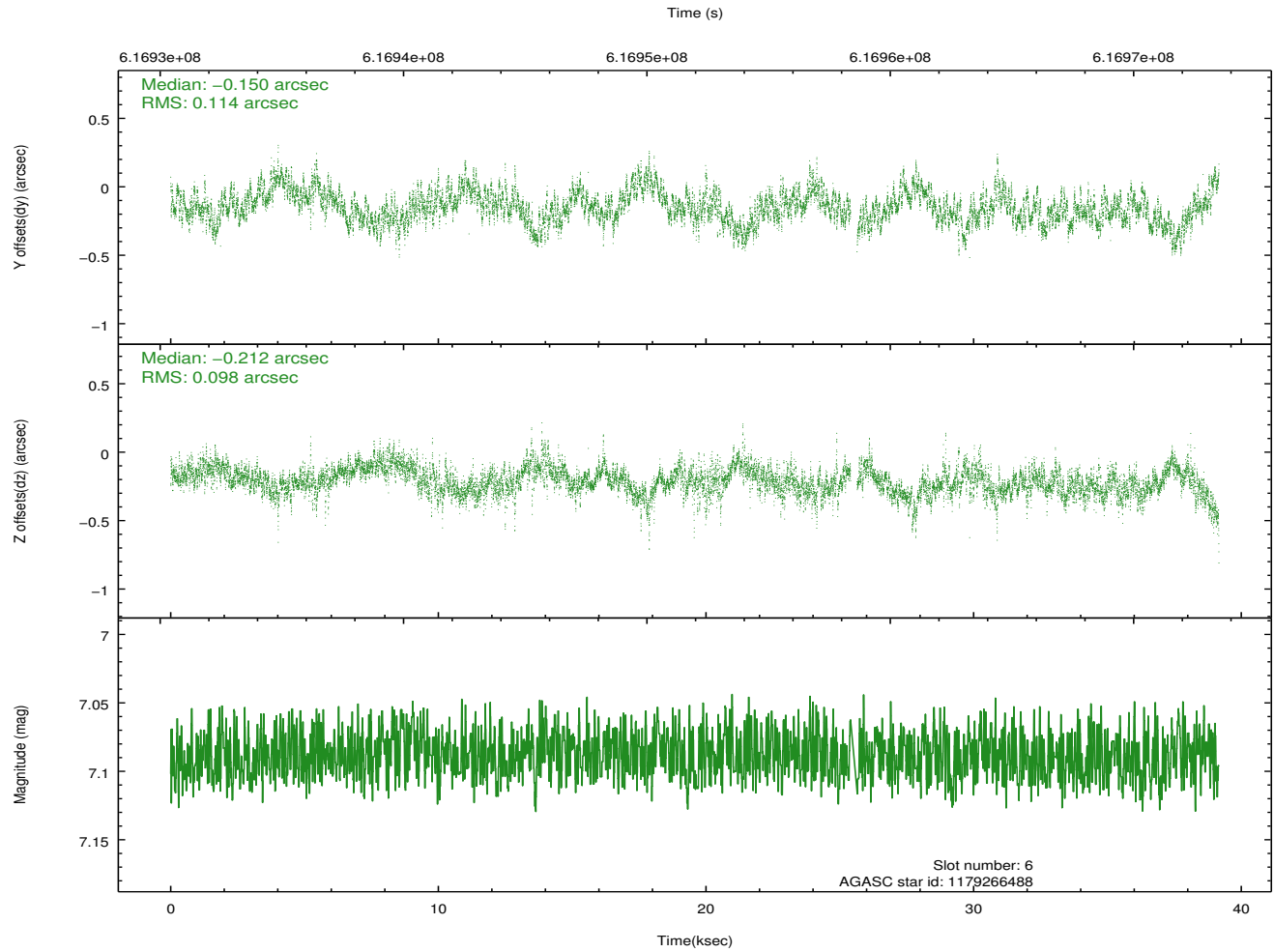
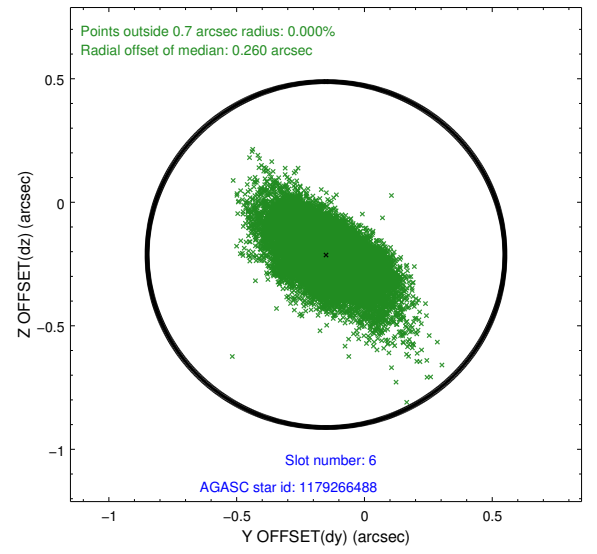
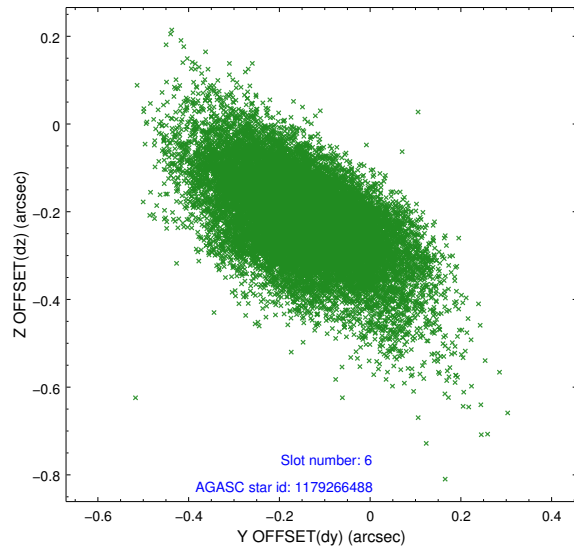
2.4.2 Slot 4



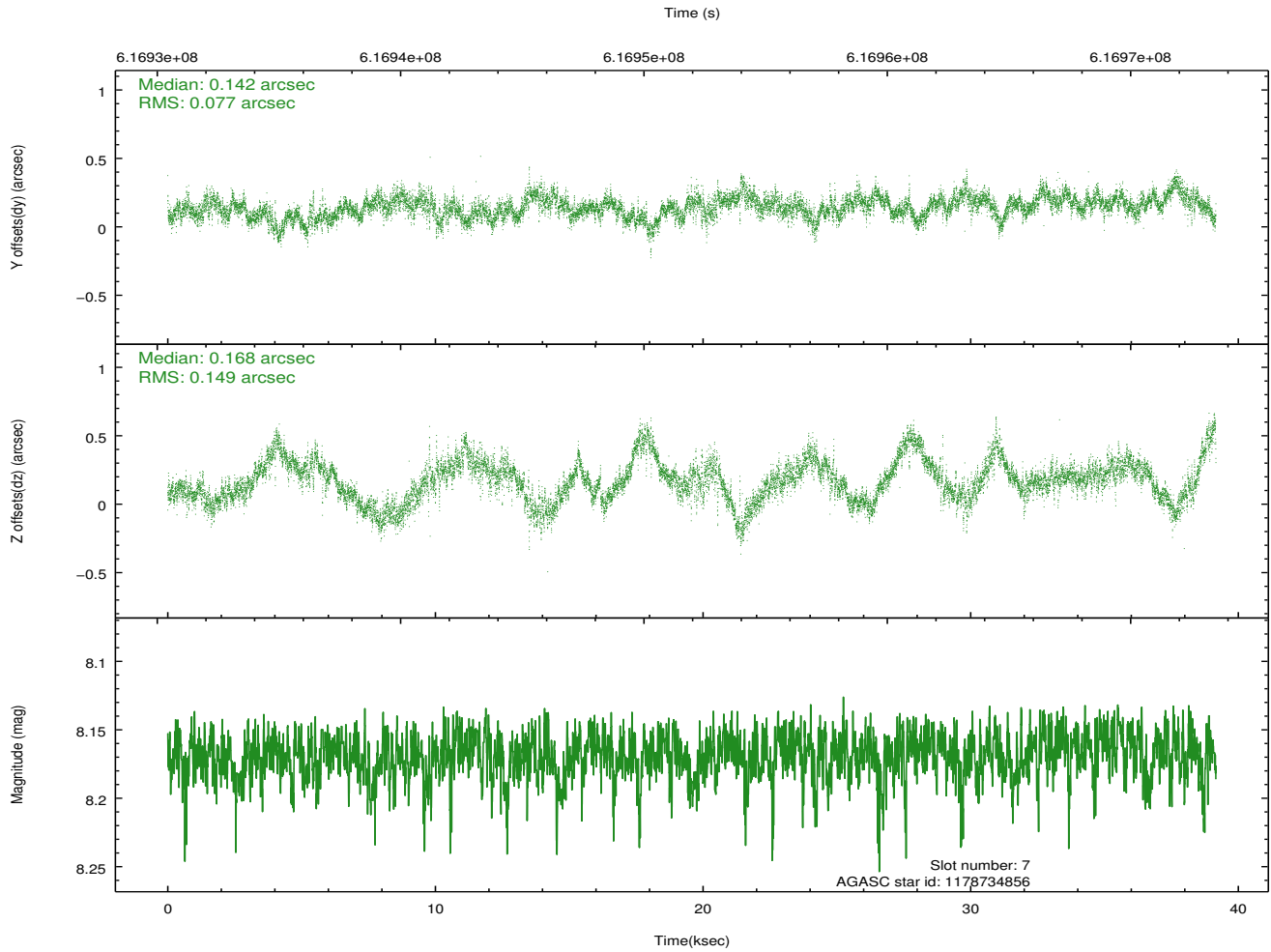
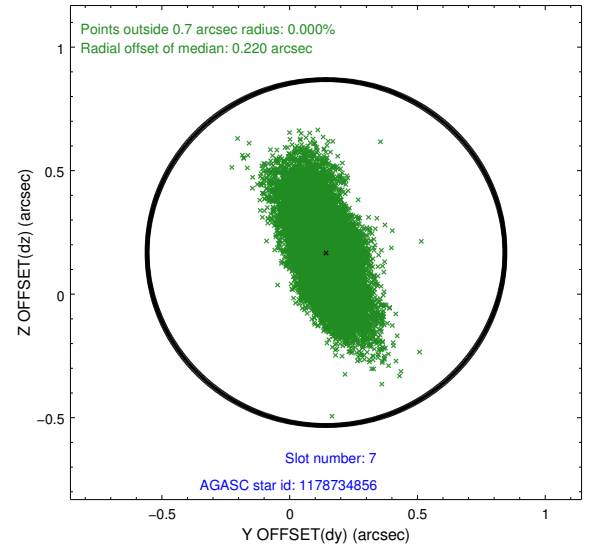
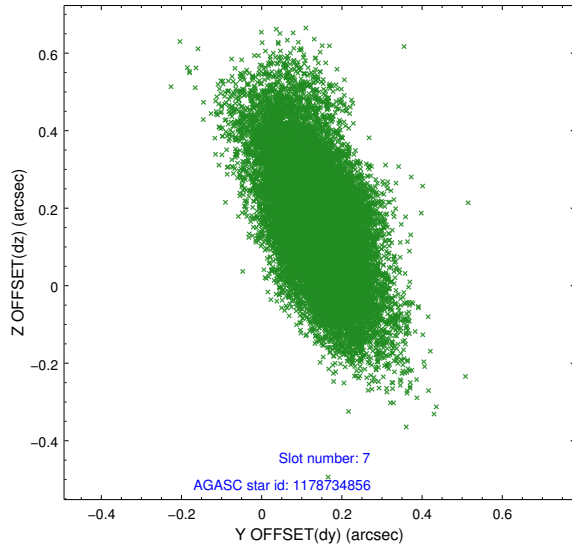
2.4.3 Slot 5



2.4.4 Slot 6

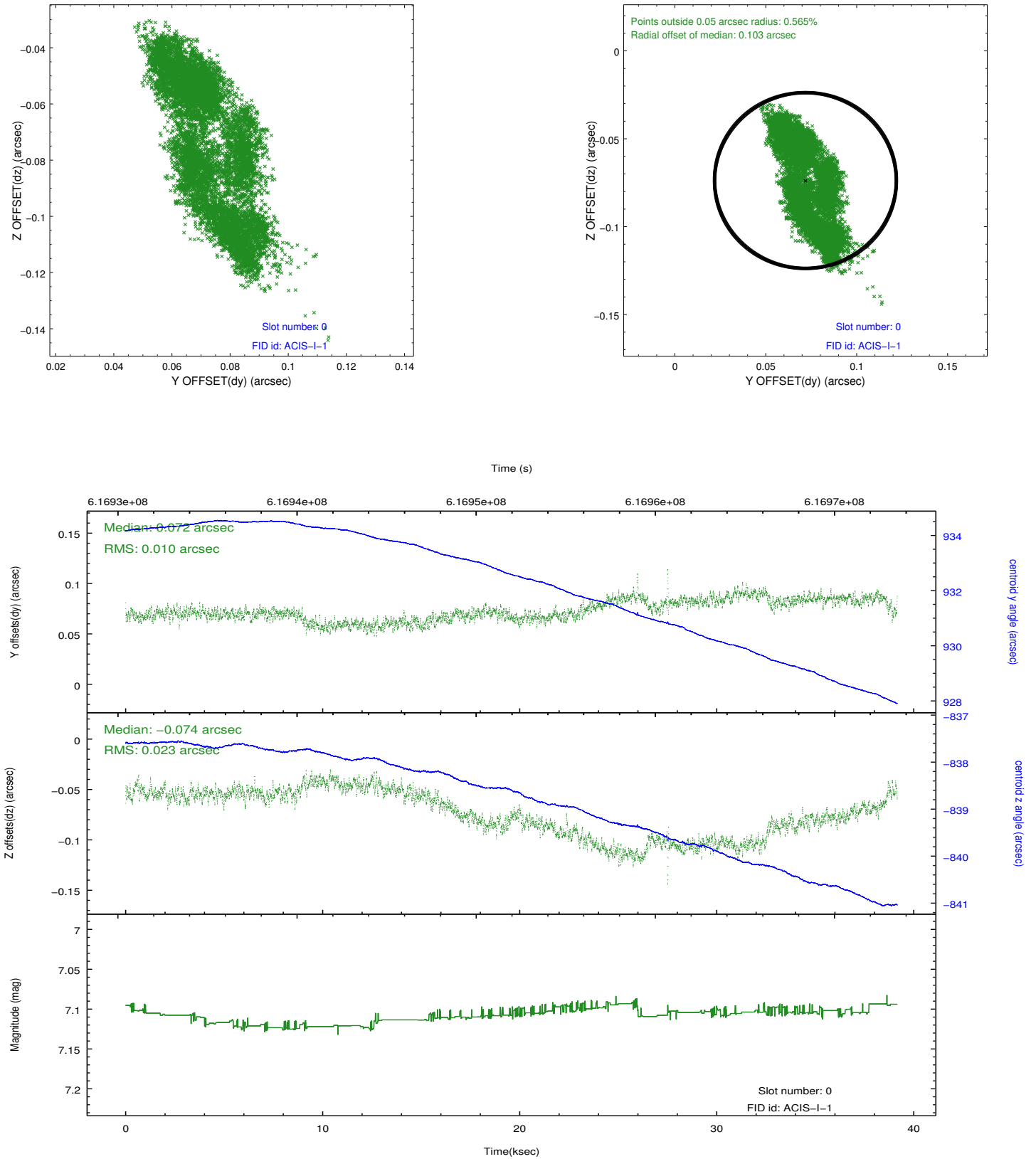


2.4.5 Slot 7

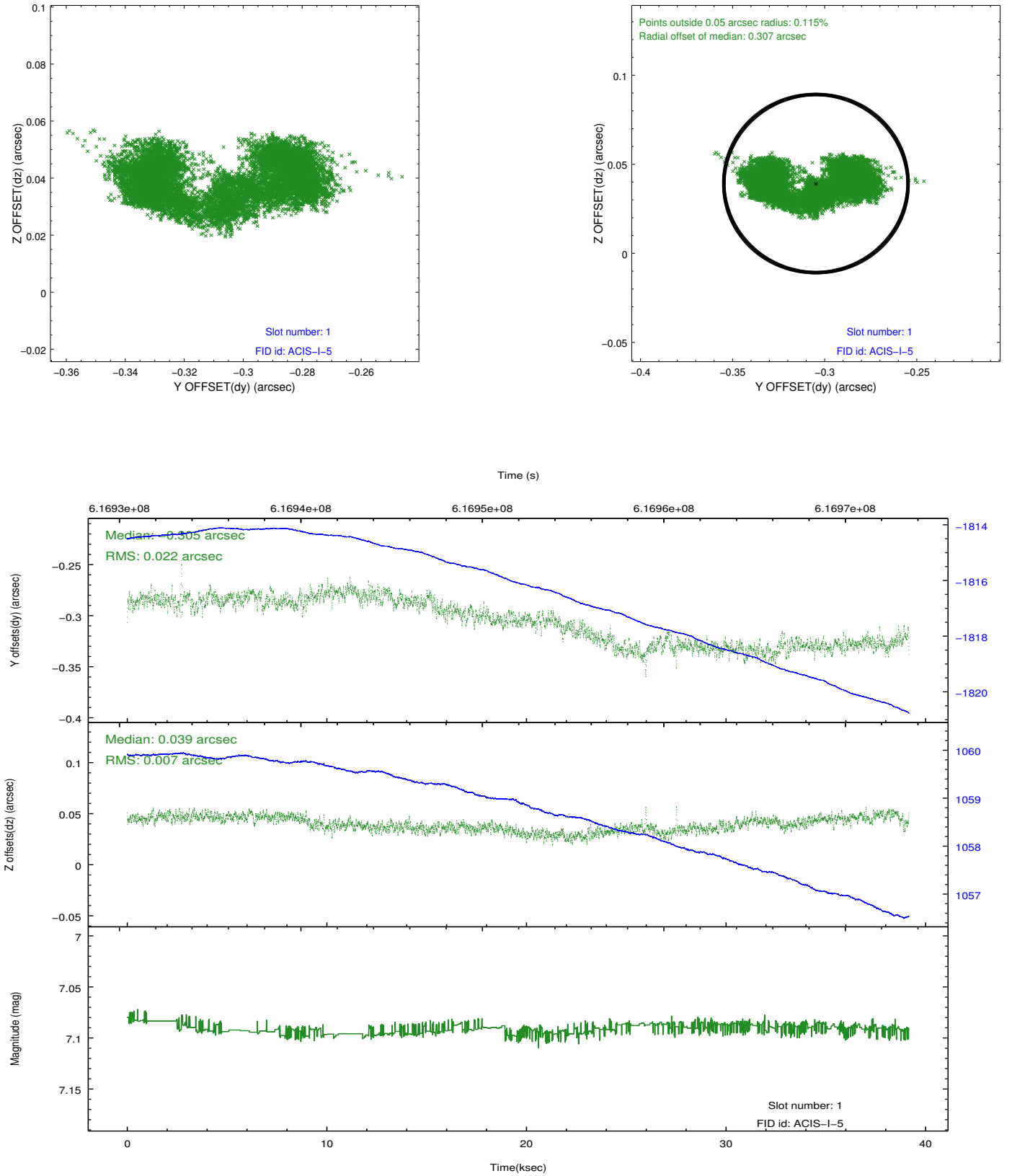


2.5 FID Slots

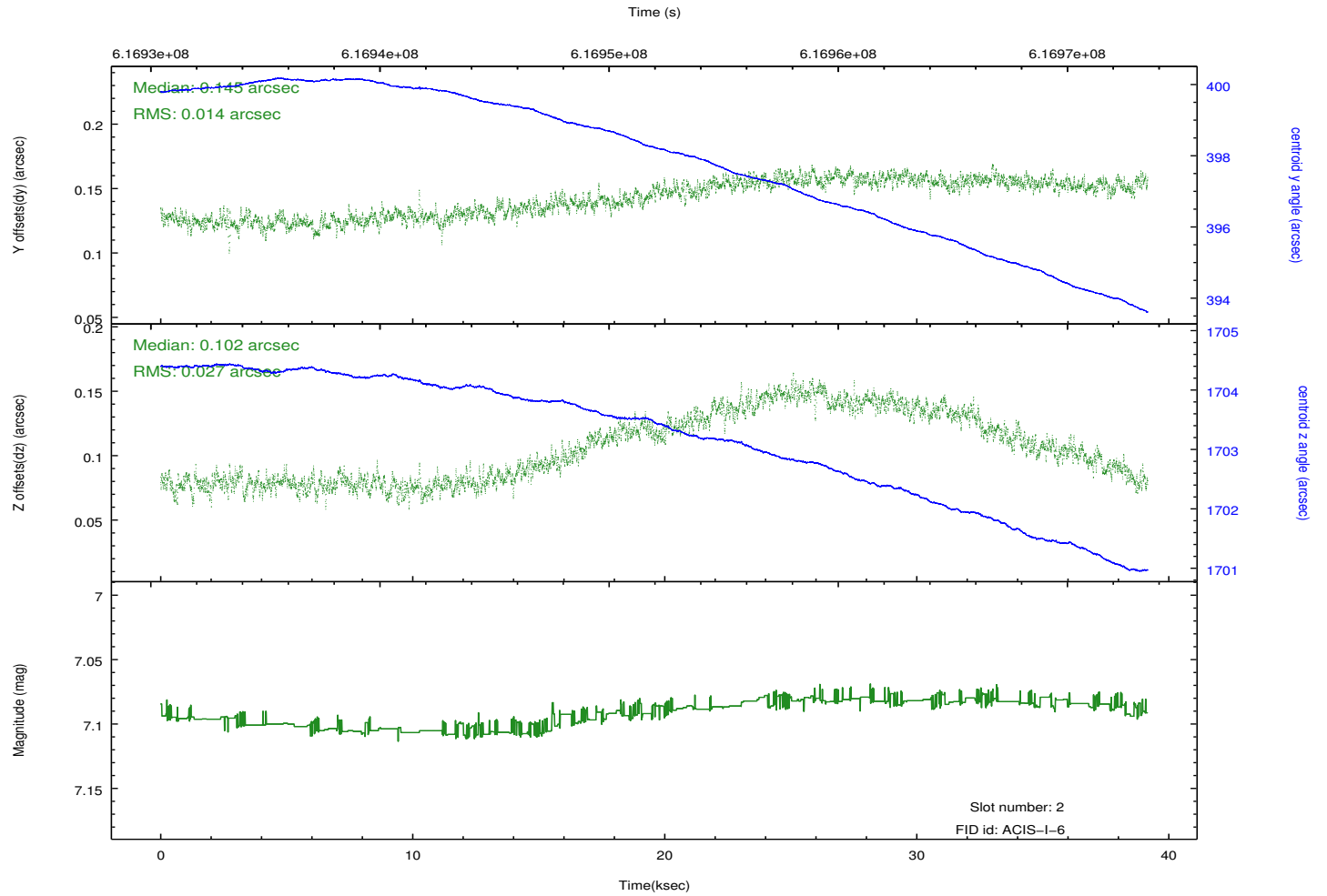
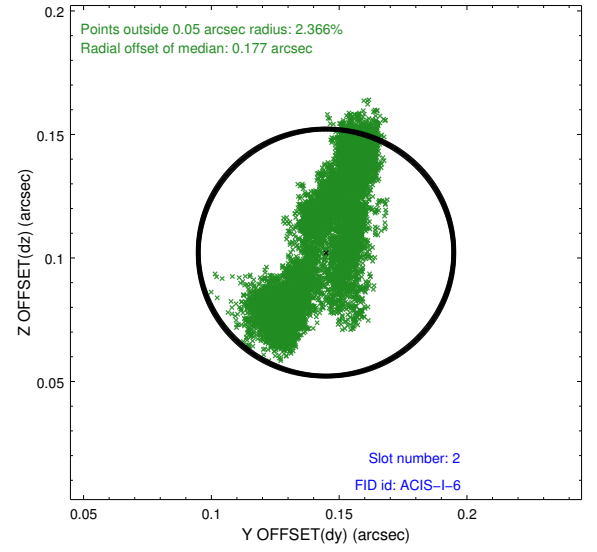
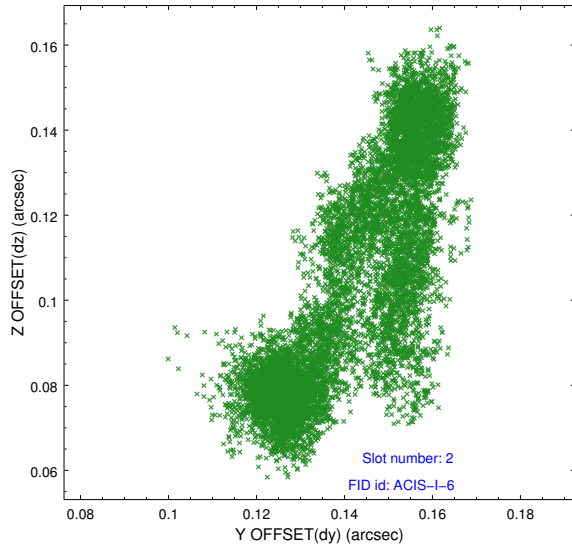
2.5.1 Slot 0



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)	2017.07.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	39.101156649113

A.2 Comments