

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 21246 - L2 Version 1
Chandra X-Ray Center

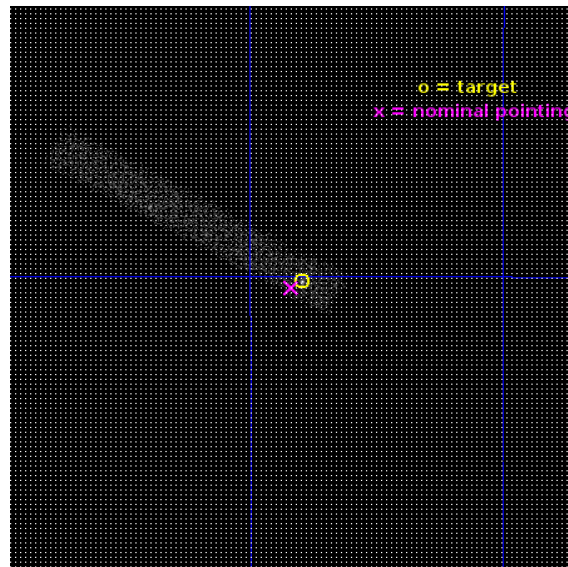
L2 Processing Date : May 26 2019

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1 Front

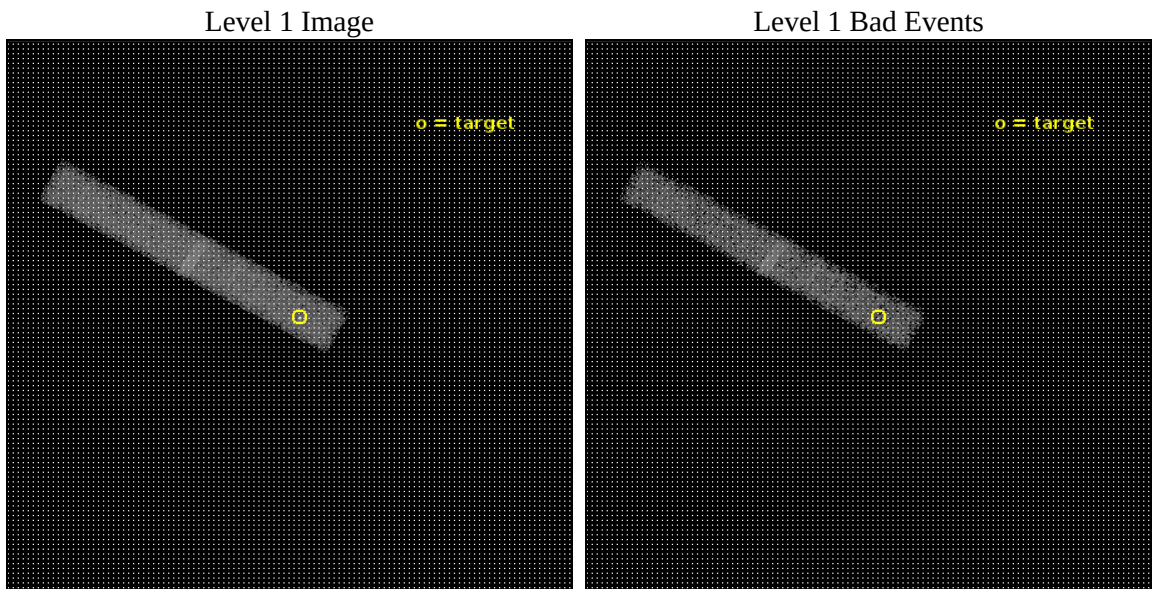
seq_num	402078	Sequence number
obs_id	21246	Observation id
title	X-ray ejecta after the strongest gamma-ray flare in the PSR B1259-63/LS 2883 binary	Proposal title
observer	George Pavlov	Principal investigator
object	PSR B1259-63	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	195.698333	Observer's specified target RA [deg]
dec_targ	-63.83575	Observer's specified target Dec [deg]
ra_nom	195.70903274918	Nominal RA [deg]
dec_nom	-63.83862064712	Nominal Dec [deg]
roll_nom	299.21829235027	Nominal Roll [deg]
revision	1	Processing version of data
ontime	40101.857433915	Sum of GTIs [s]
livetime	37059.97470974	Livetime [s]
ontime3	40101.857433915	Sum of GTIs [s]
l2events	6959	Number of level 2 events



2 OBI

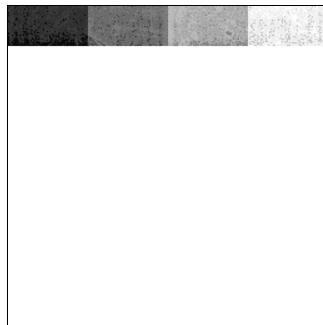
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 3



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	40000.000000	[s] Scheduled observation exposure time
ascdsver	10.7.1	Processing system revision	ontime	40101.857433915	Sum of GTIs [s]
caldsver	4.8.3	 	ontime3	40101.857433915	Sum of GTIs [s]
date	2019-05-26T13:31:59	Date and time of file creation	l1events	53730	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

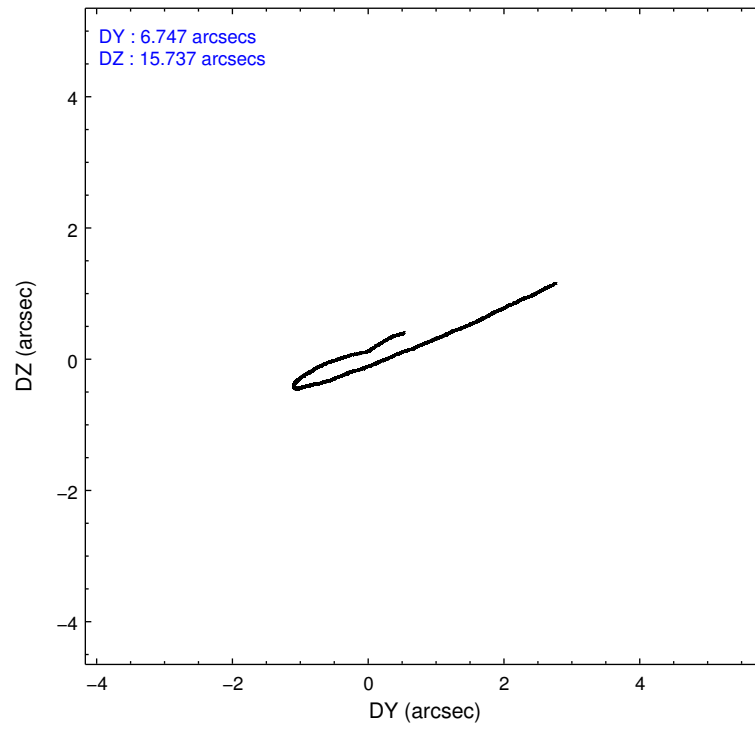
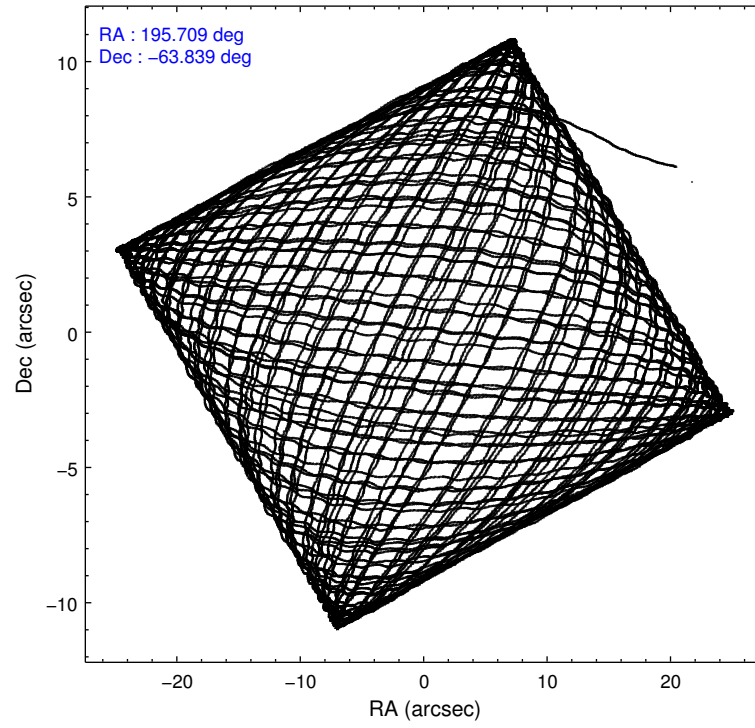
	ccd 3
level 1 events	53730
rejected events	45763
rejected %	85%

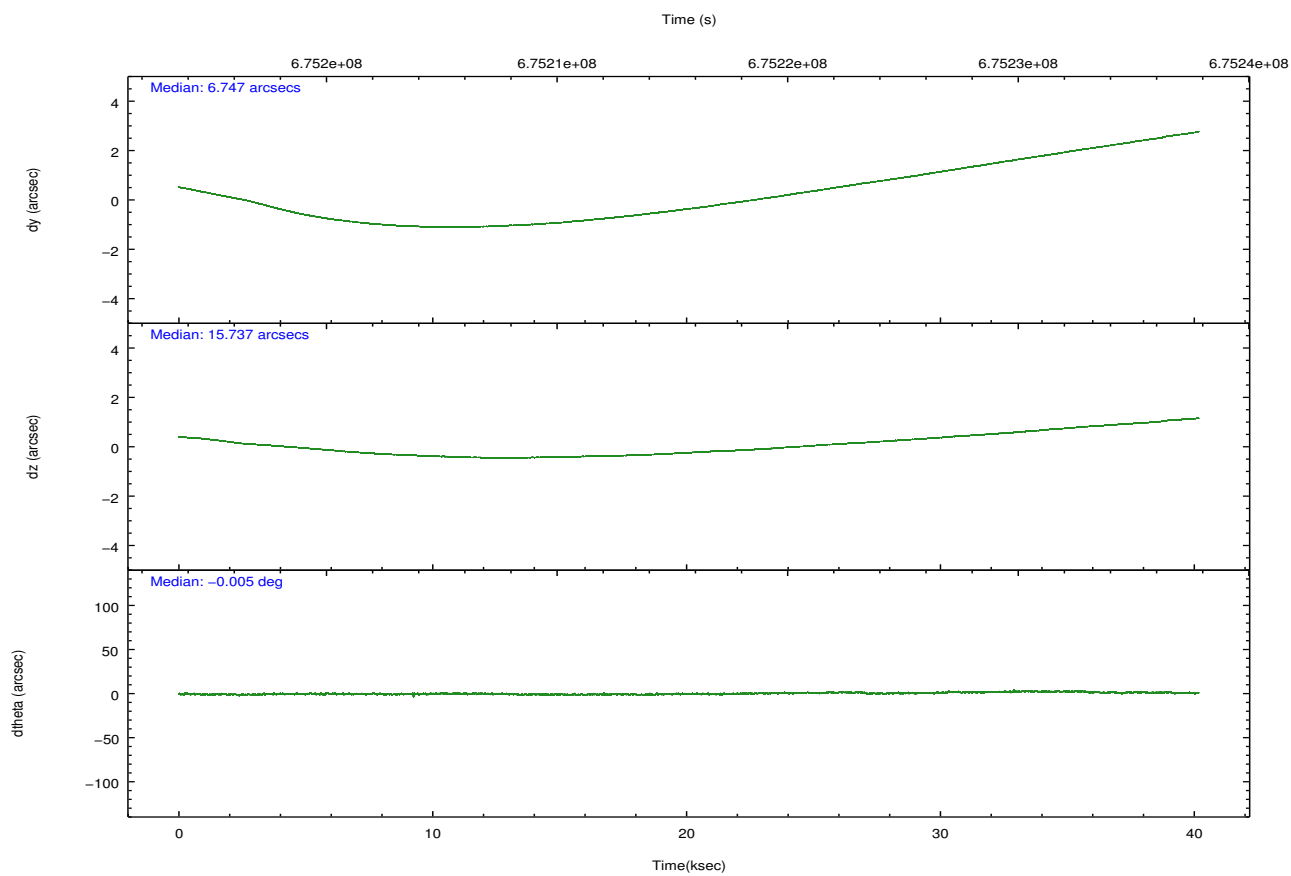
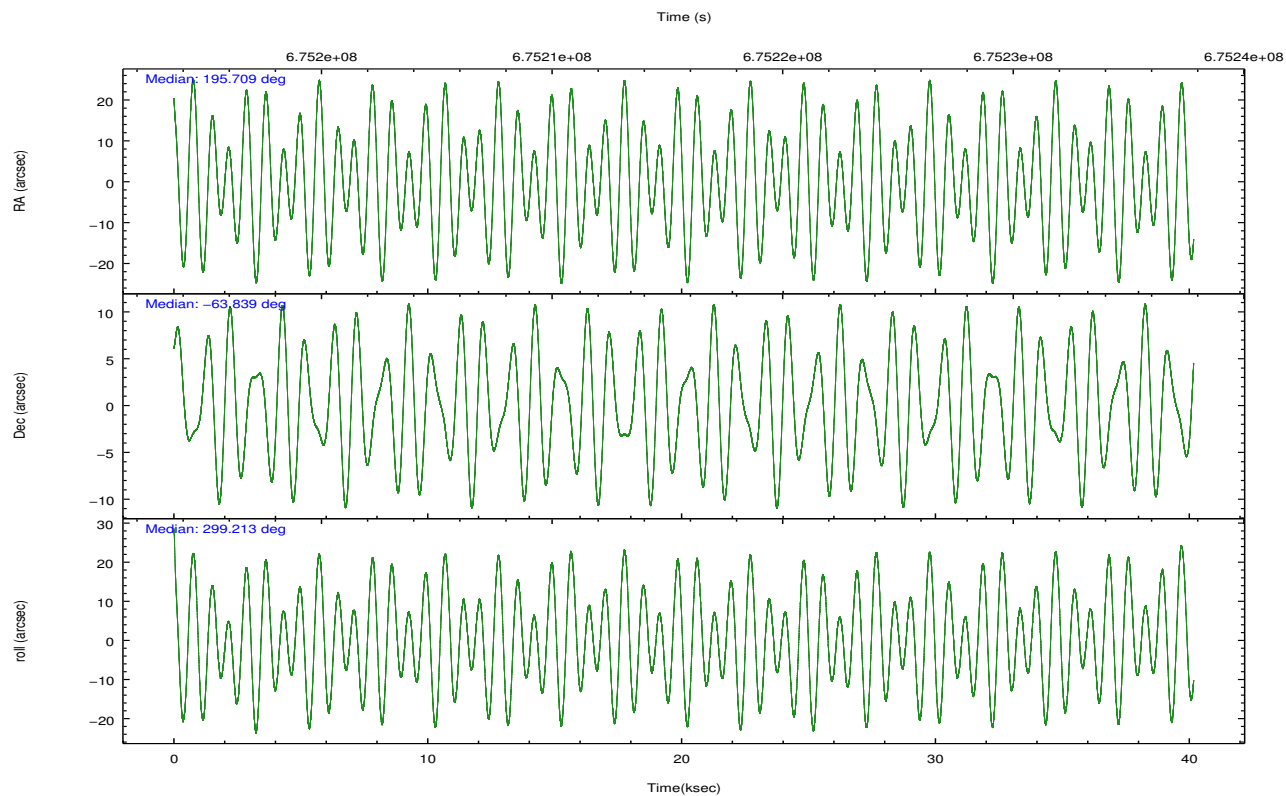
	ccd 3
grade 0 events	3634
	6%
grade 1 events	21
	0%
grade 2 events	1036
	1%
grade 3 events	1124
	2%
grade 4 events	1133
	2%
grade 5 events	1883
	3%
grade 6 events	1040
	1%
grade 7 events	43859
	81%

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	195.655165	195.7090327491803	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-63.824577	-63.83862064711976	Subarray start row	897	897
[deg] Pointing Roll	298.961262	299.2182923502672	Subarray row count	128	128
[mm] SIM focus pos	-0.782348	-0.7809083437167272	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001439871863259334	[s] Primary exposure time	0.000000	0.5
[mm] SIM translation stage pos	-232.129963	-232.1190743247176			
[mm] SIM translation stage offset	-1.4625	-1.473378678212043			
[s] Observation start time (MET)	675195800.184000	675194962.04768			
Observation start date	2019-05-25T18:22:11	2019-05-25T18:09:22			
[s] Observation end time (MET)	675235800.184000	675236668.27518			
Observation end date	2019-05-26T05:28:51	2019-05-26T05:44:28			
Read mode	TIMED	TIMED			

2.3 Aspect



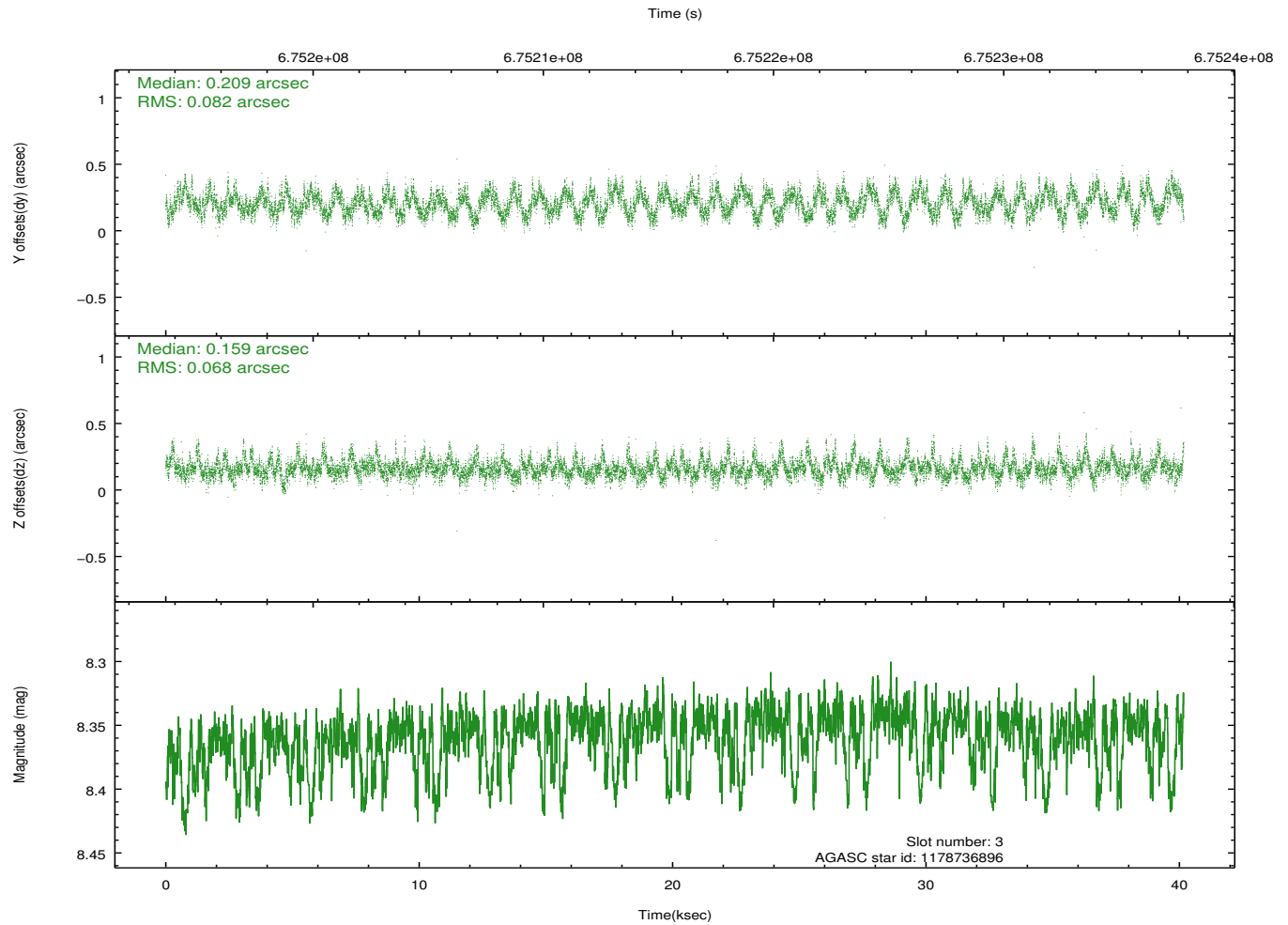
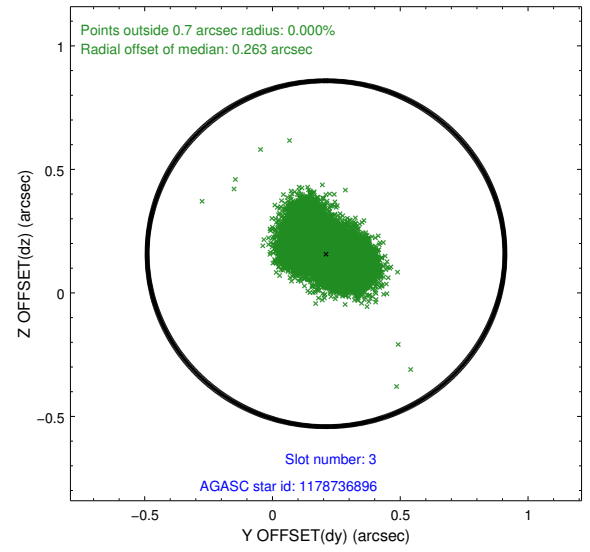
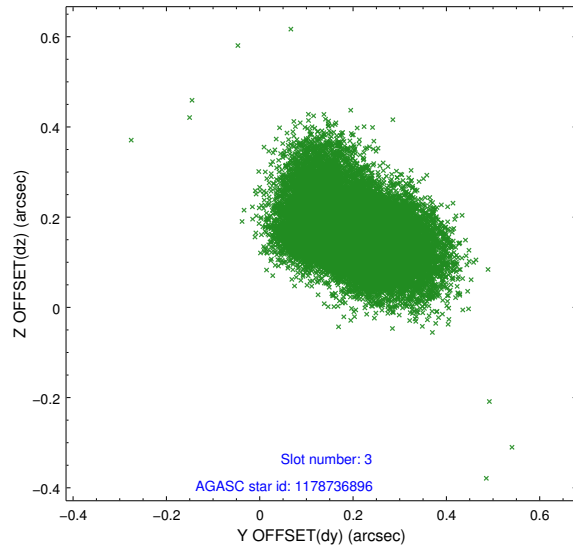


Slot Statistics

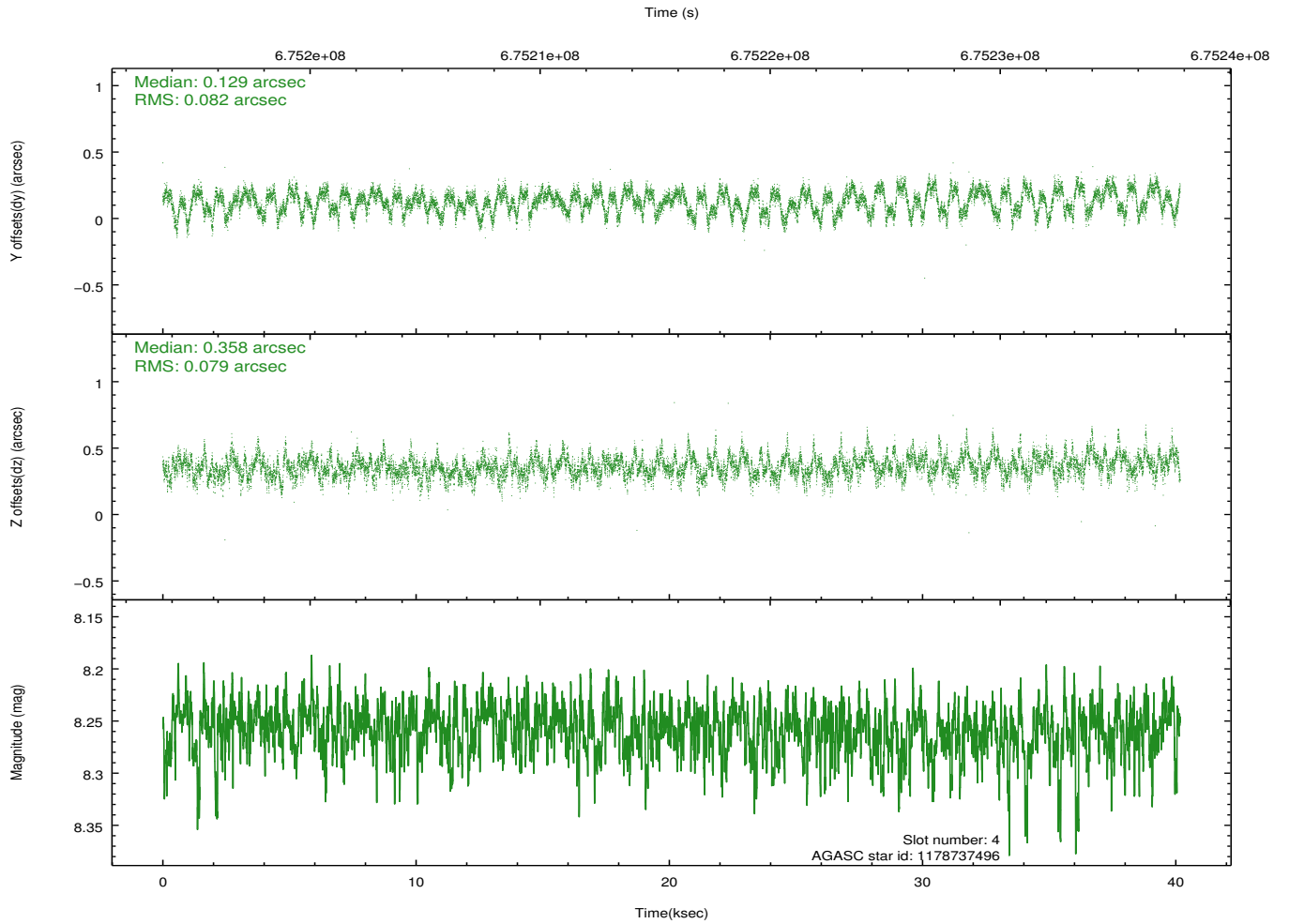
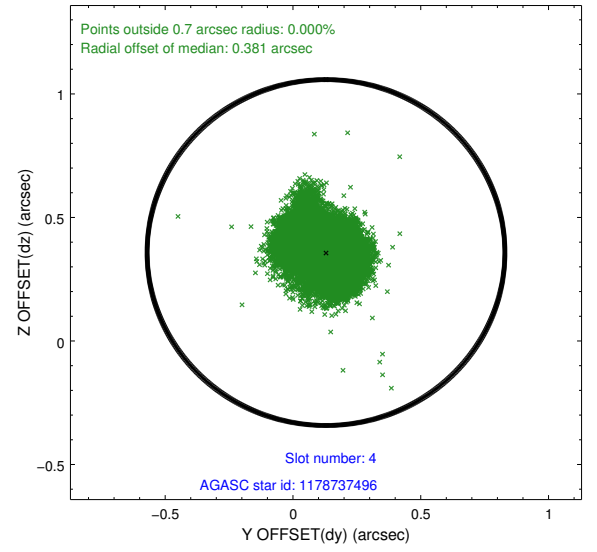
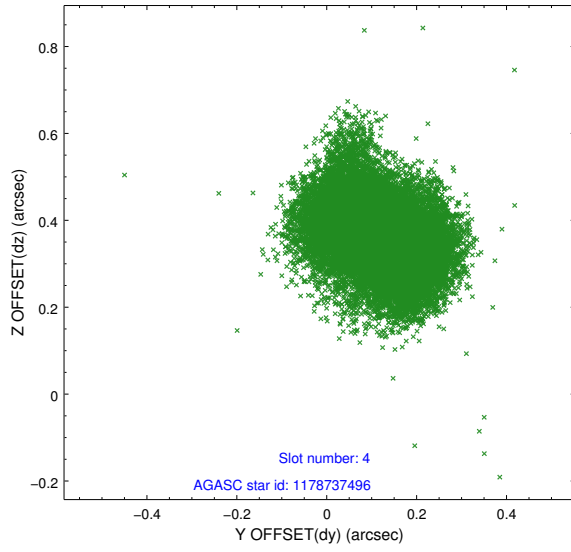
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-1	7.19	9799	1.000	0.133	-0.111	0.014	0.023	0.000000	0.000000	932.82	-869
1	FID		ACIS-I-5	7.17	9798	1.000	-0.454	0.055	0.022	0.041	0.000000	0.000000	-1815.97	1027
2	FID		ACIS-I-6	7.18	9798	1.000	0.228	0.126	0.019	0.044	0.000000	0.000000	398.32	1672
3	GUIDE	used	1178736896	8.36	19584	1.000	0.209	0.159	0.114	0.185	194.755483	-63.640622	-1266.26	-942
4	GUIDE	used	1178737496	8.26	19586	1.000	0.129	0.358	0.122	0.191	193.766276	-63.640784	-2001.13	-2342
5	GUIDE	used	1179259632	7.80	19595	1.000	0.009	-0.109	0.145	0.243	194.903869	-64.371399	1159.92	-1987
6	GUIDE	used	1179266488	7.14	19596	1.000	-0.129	-0.106	0.089	0.154	196.258505	-64.441584	2401.40	-258
7	GUIDE	used	1178734856	8.17	19522	1.000	-0.199	-0.313	0.087	0.147	195.759625	-63.178913	-1951.29	1273

2.4 Star Slots

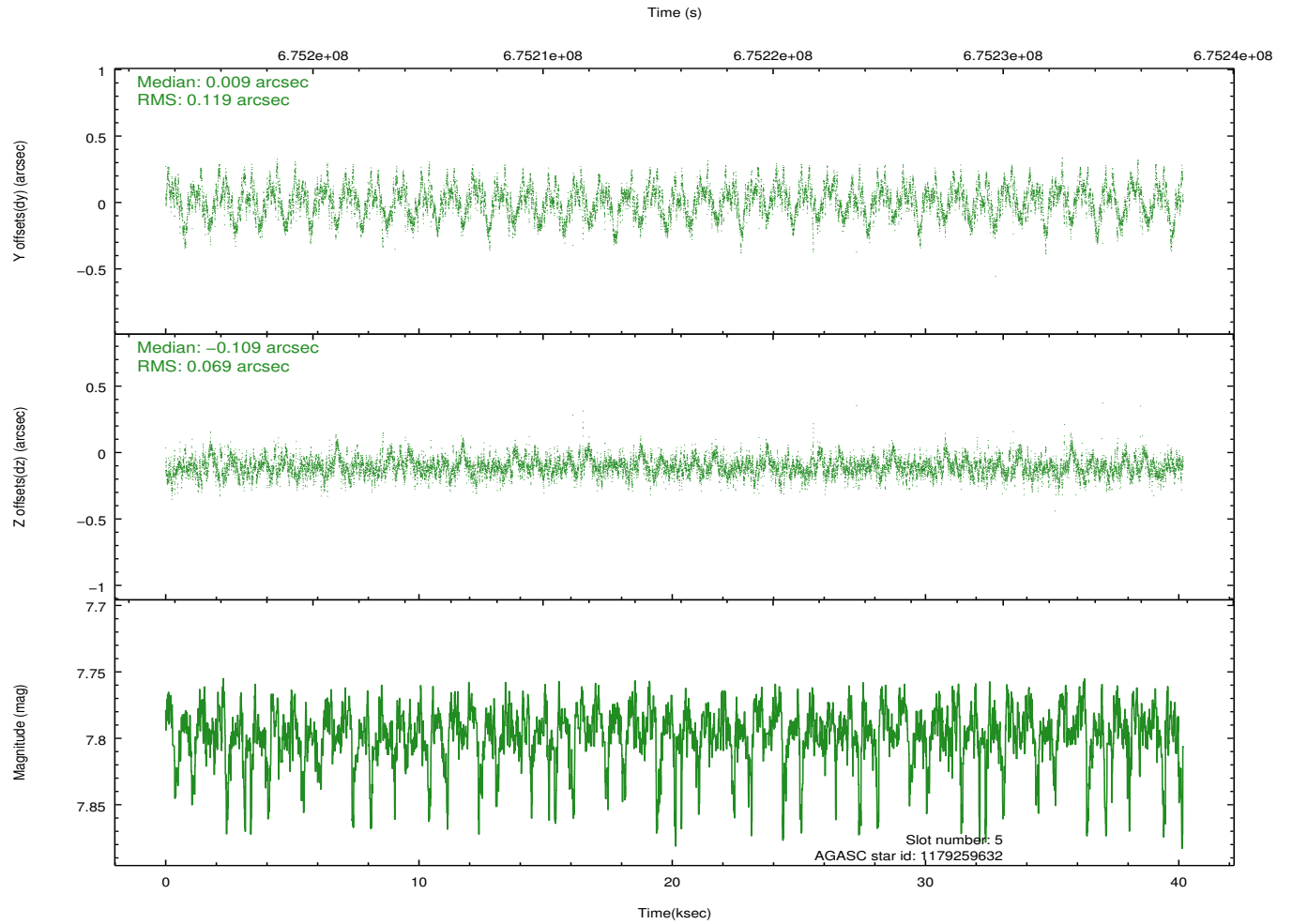
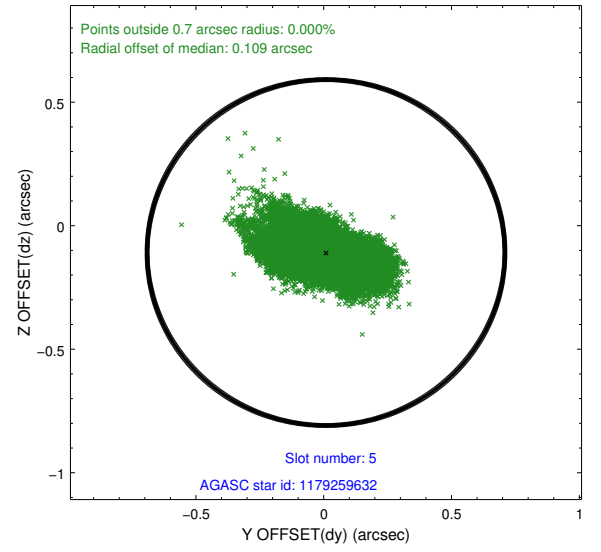
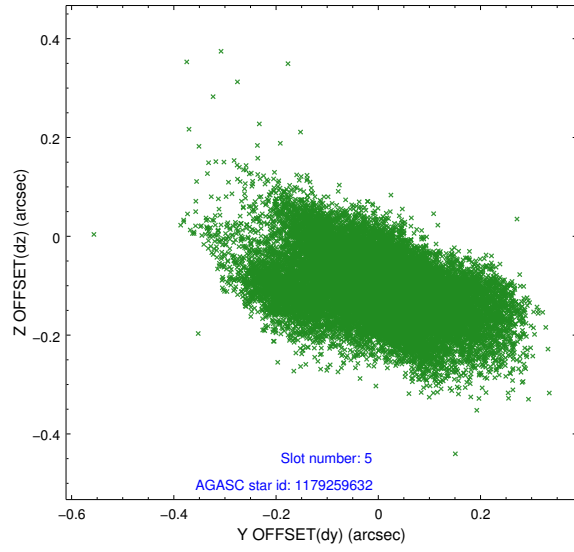
2.4.1 Slot 3



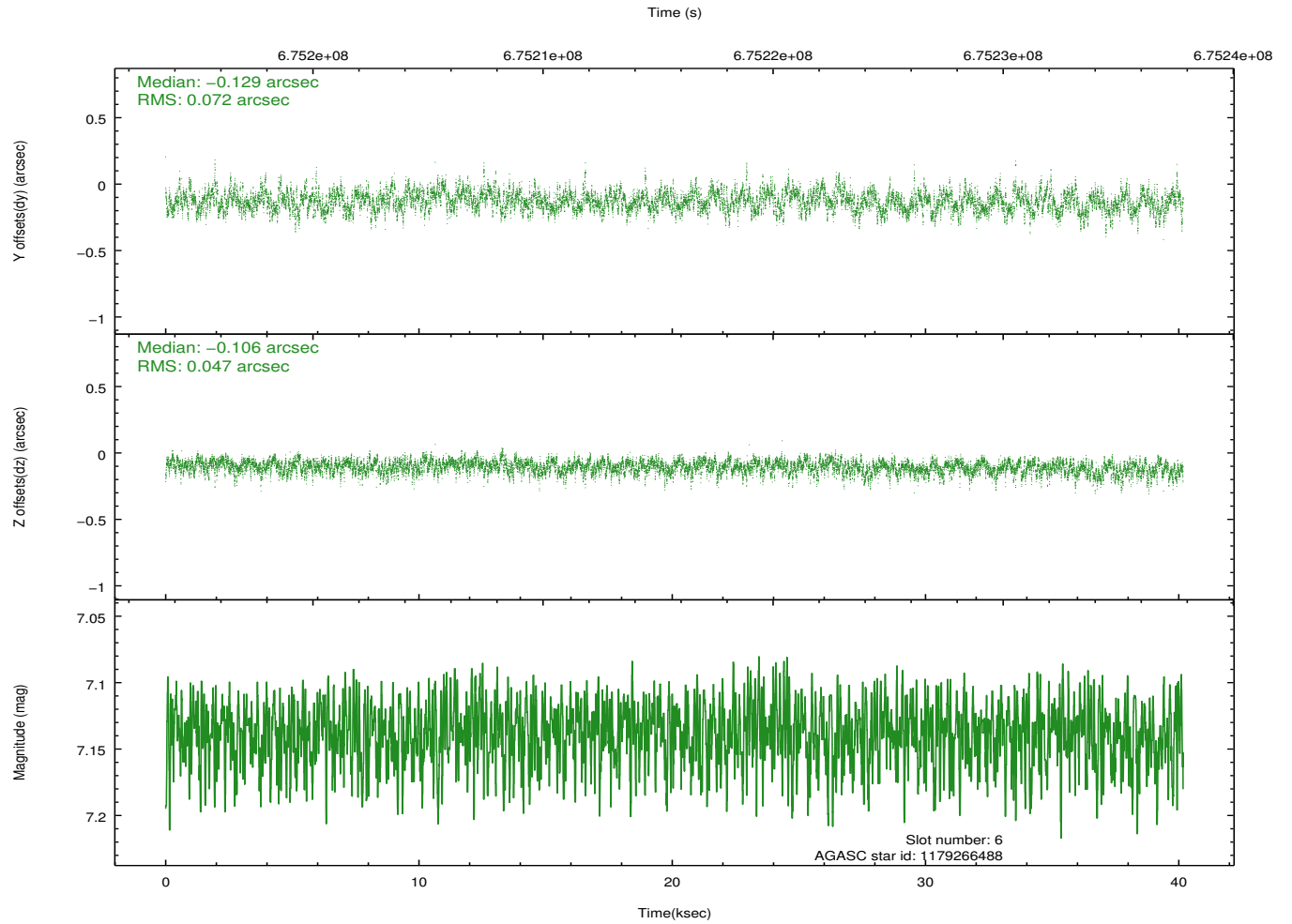
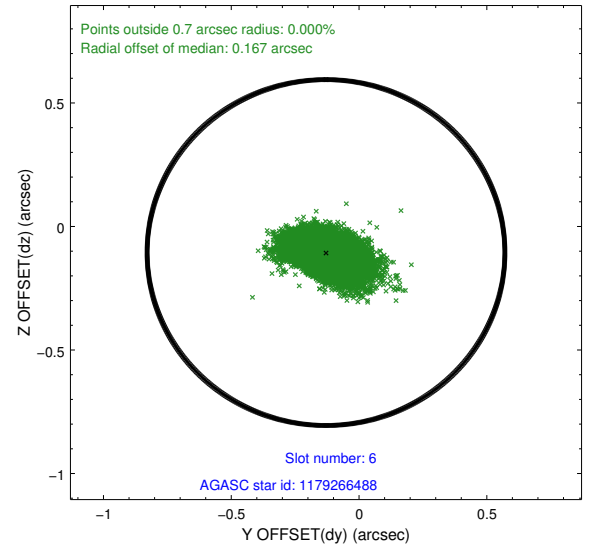
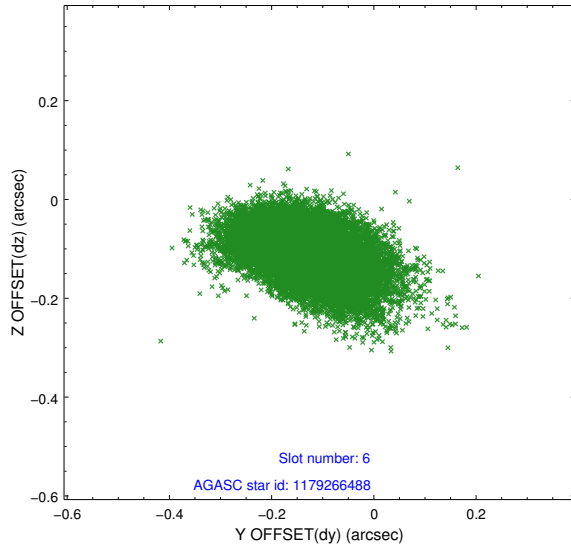
2.4.2 Slot 4



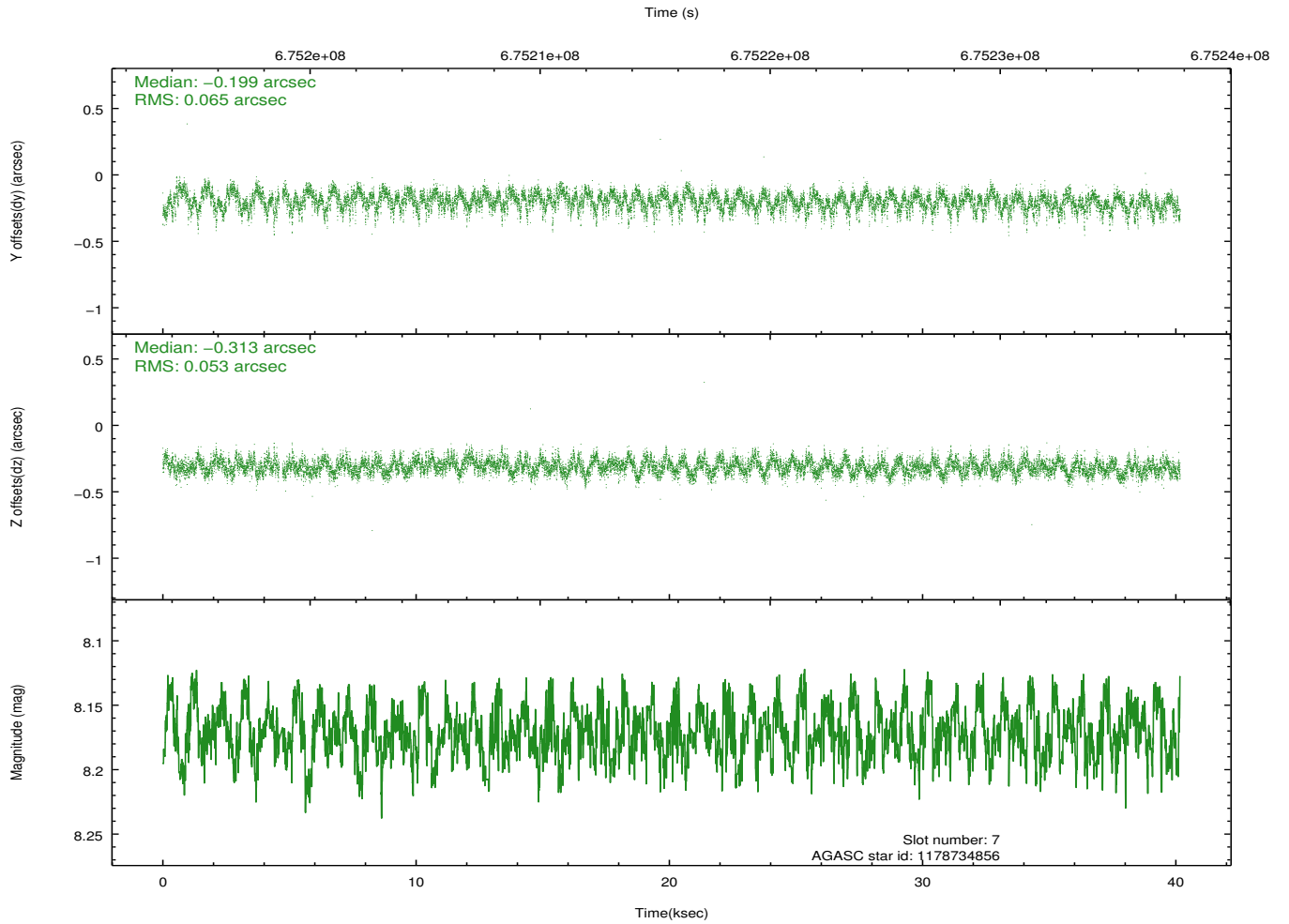
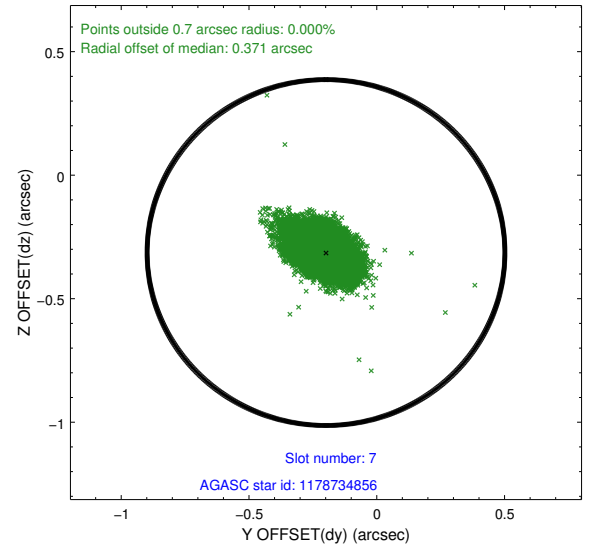
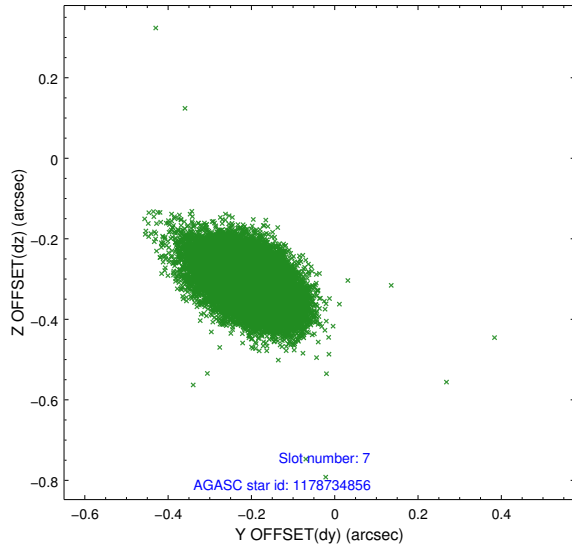
2.4.3 Slot 5



2.4.4 Slot 6

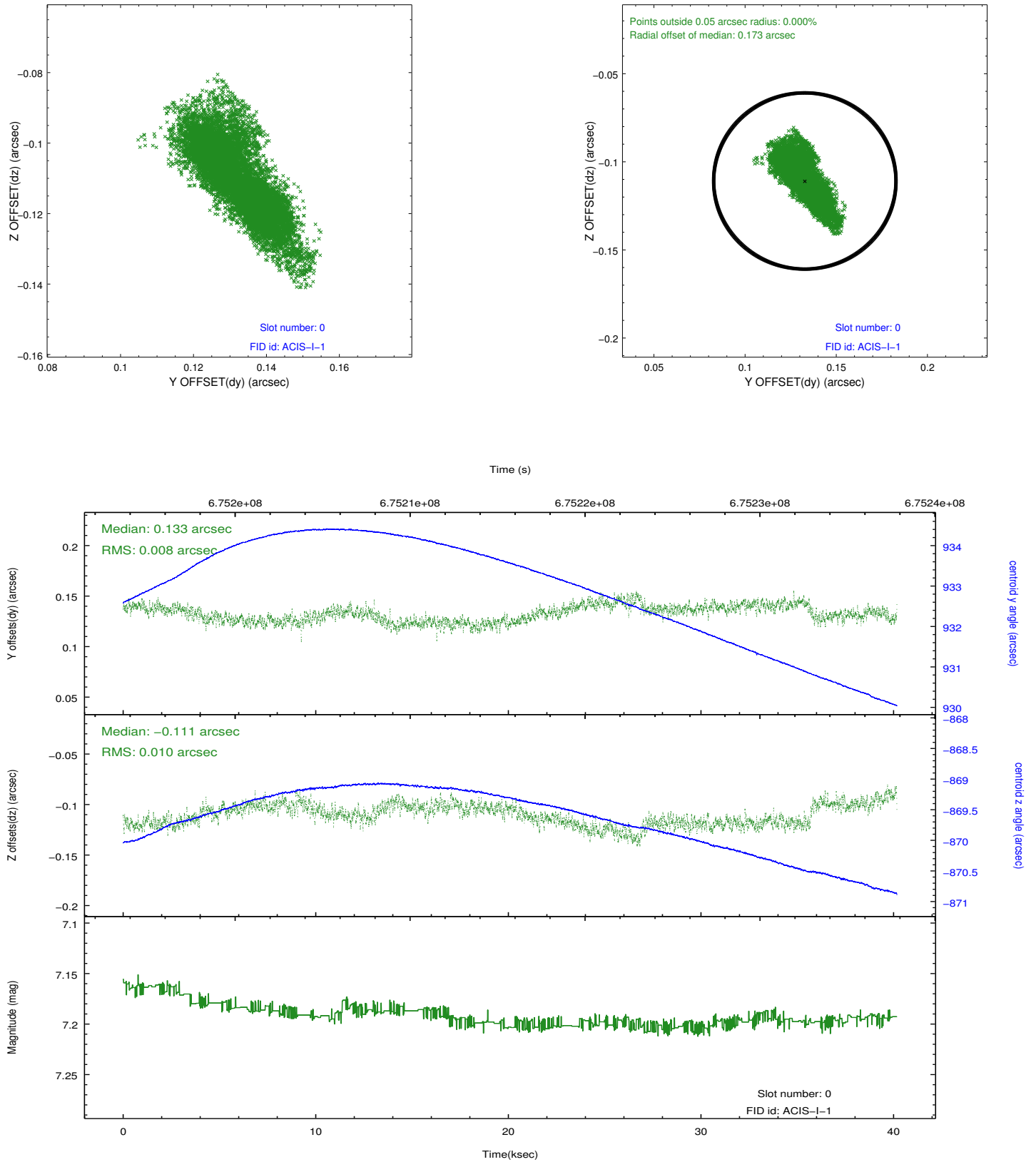


2.4.5 Slot 7

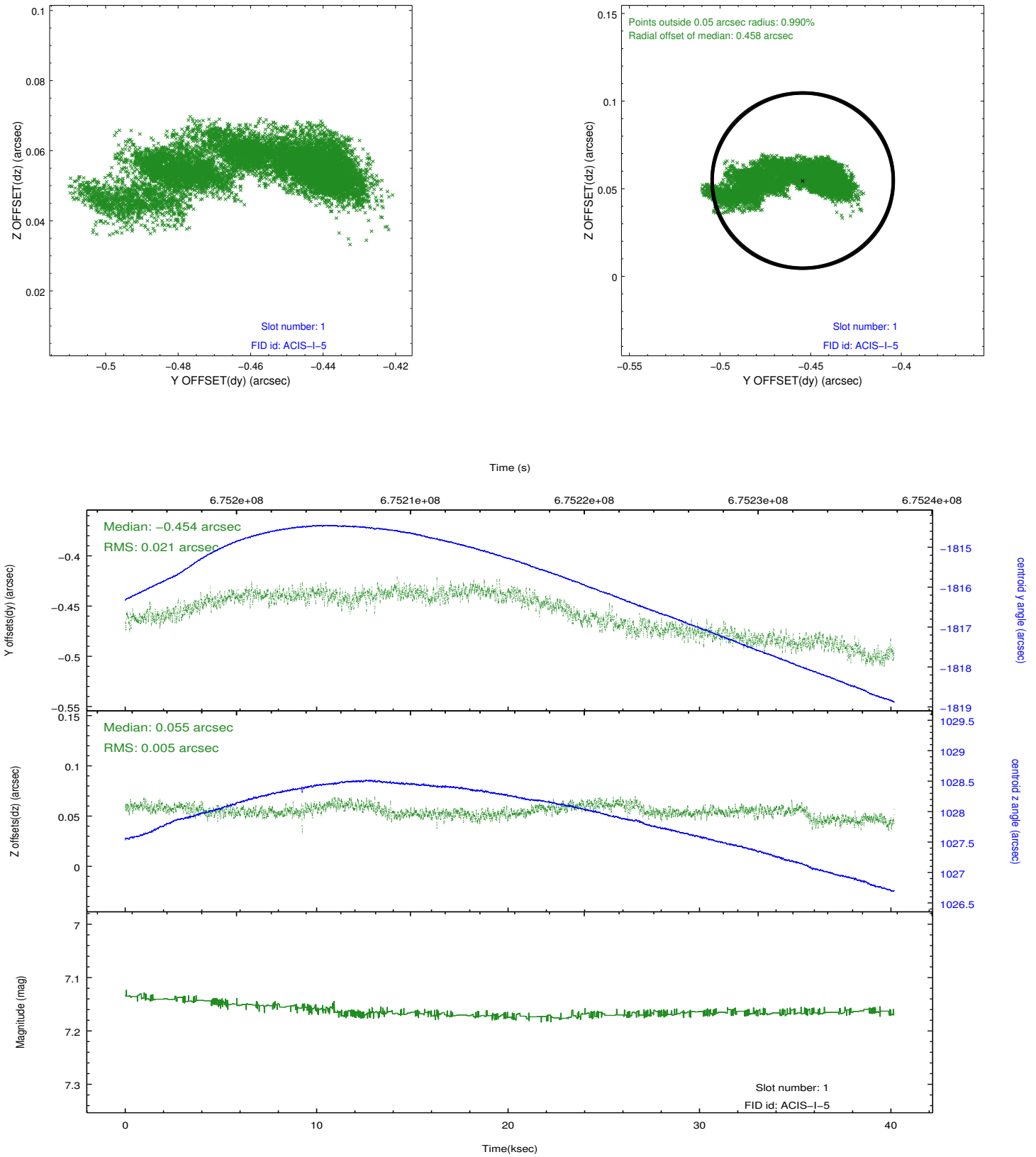


2.5 FID Slots

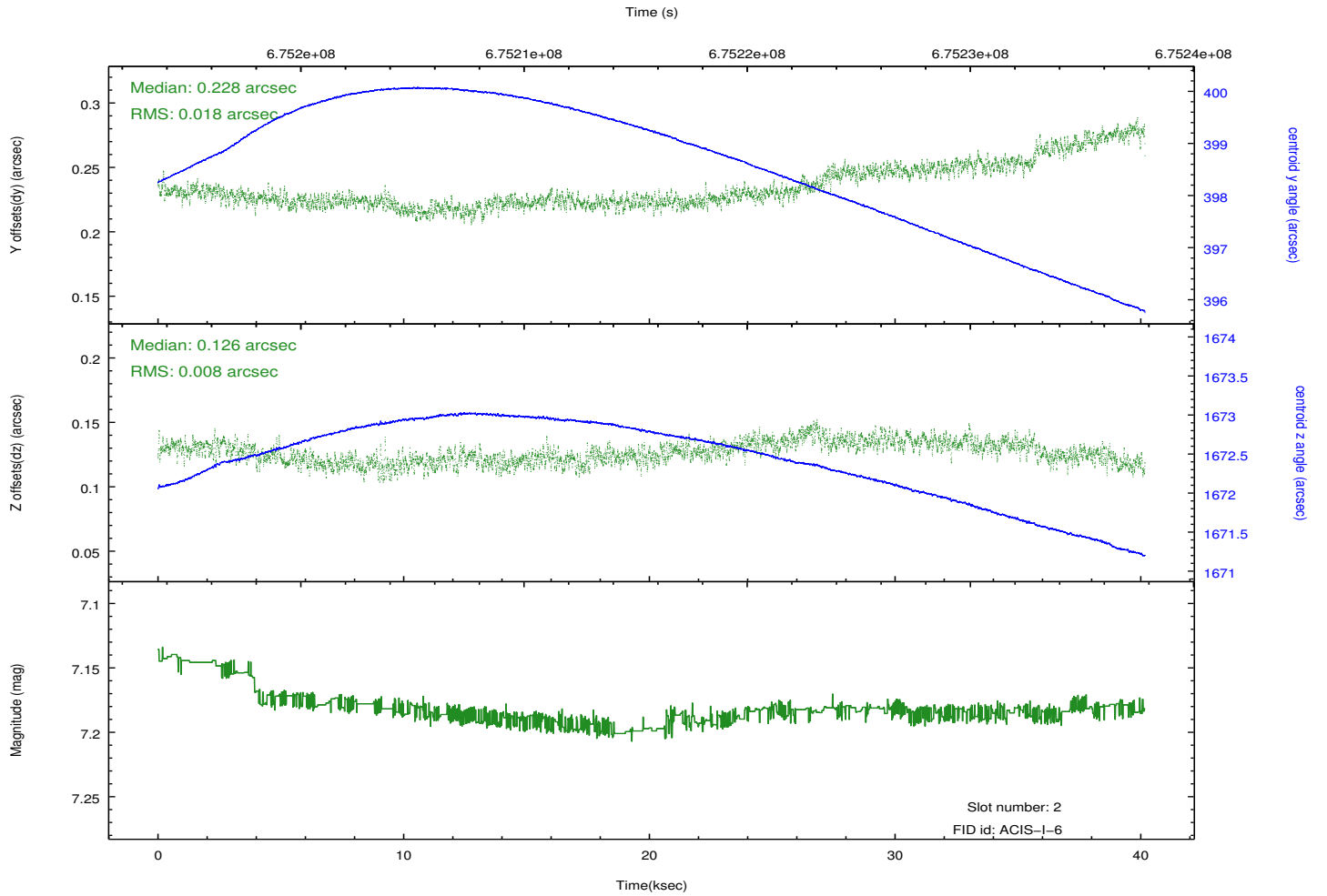
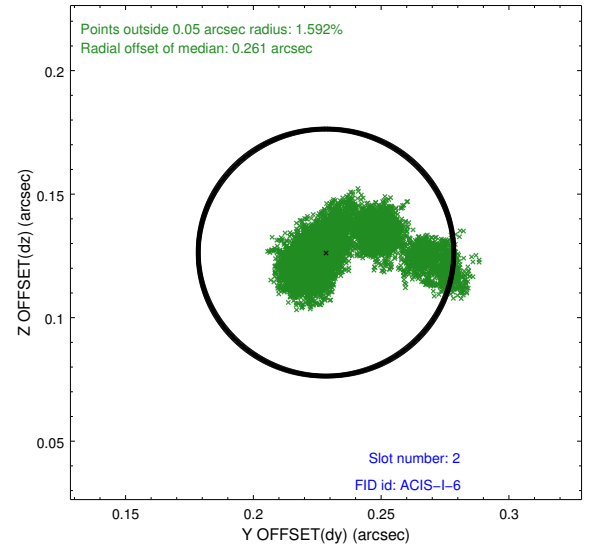
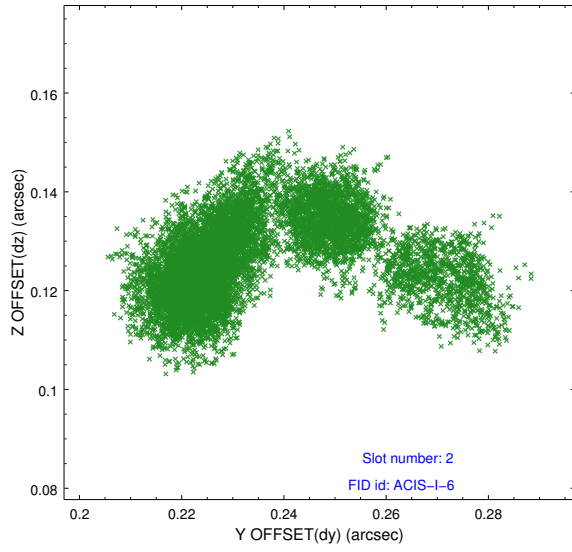
2.5.1 Slot 0



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)	2019.05.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.101857433915

A.2 Comments