

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18699 - L2 Version 1
Chandra X-Ray Center

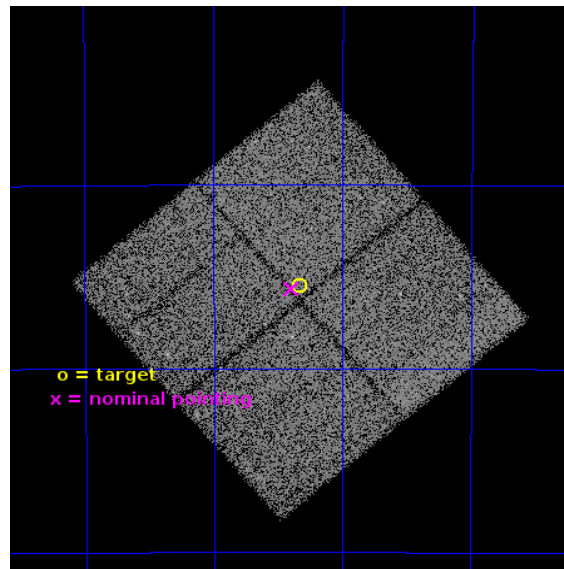
L2 Processing Date : Apr 23 2016

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1 Front

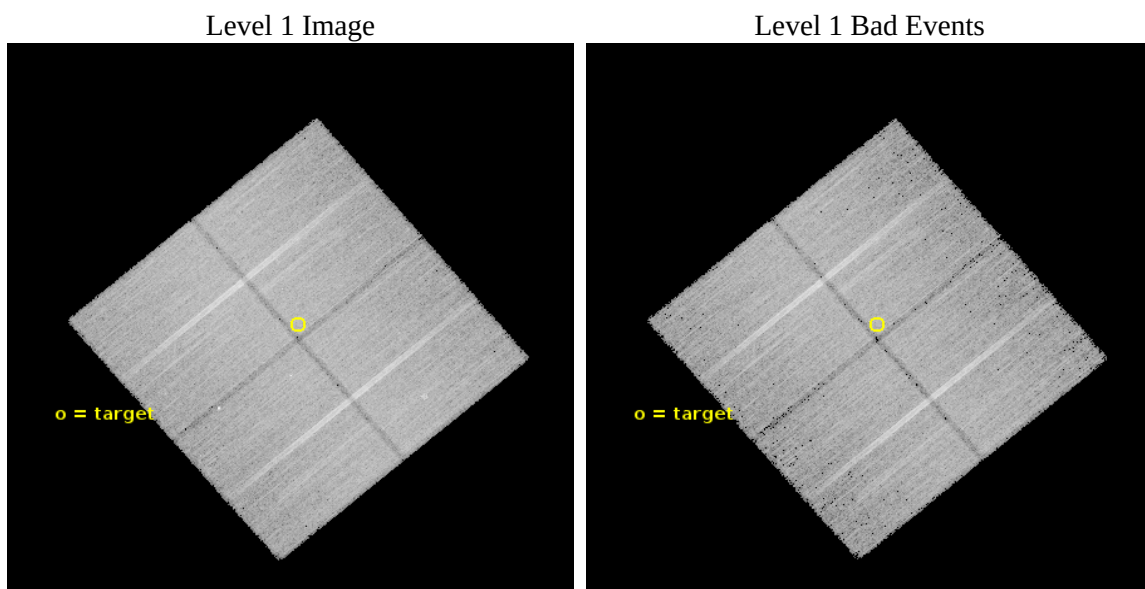
seq_num	200996	Sequence number
obs_id	18699	Observation id
title	X-Ray Investigation of the Most Luminous OB Association in the Galaxy	Proposal title
observer	Mubdi Rahman	Principal investigator
object	Dragonfish Association	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	183.08375	Observer's specified target RA [deg]
dec_targ	-63.258583	Observer's specified target Dec [deg]
ra_nom	183.0990284173	Nominal RA [deg]
dec_nom	-63.260969883768	Nominal Dec [deg]
roll_nom	319.72232663553	Nominal Roll [deg]
revision	1	Processing version of data
ontime	40864.200314403	Sum of GTIs [s]
livetime	40330.279453508	Livetime [s]
ontime0	40864.194426179	Sum of GTIs [s]
ontime1	40854.777223825	Sum of GTIs [s]
ontime2	40861.059274077	Sum of GTIs [s]
ontime3	40864.200314403	Sum of GTIs [s]
l2events	94855	Number of level 2 events



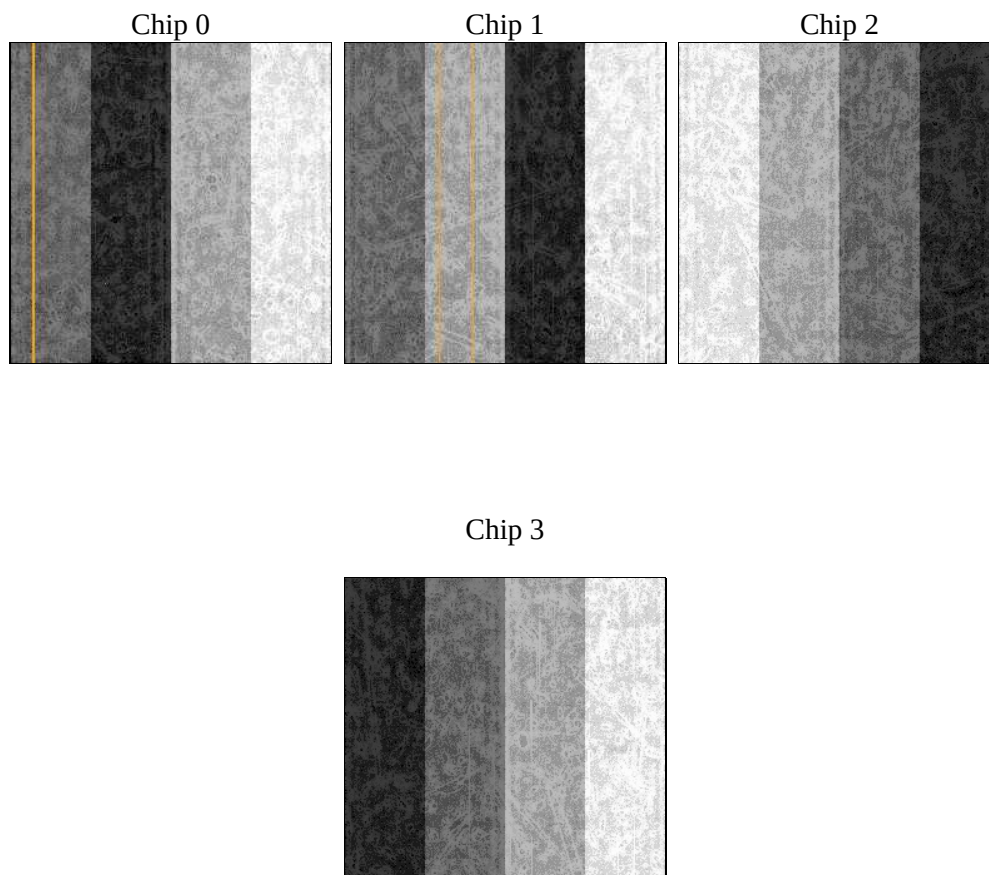
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	40780.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	40864.200314403	Sum of GTIs [s]
caldsver	4.7.1	 	ontime0	40864.194426179	Sum of GTIs [s]
date	2016-04-23T22:33:23	Date and time of file creation	ontime1	40854.777223825	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	40861.059274077	Sum of GTIs [s]
			ontime3	40864.200314403	Sum of GTIs [s]
			l1events	953182	Number of level 1 events

2.1.4 Events

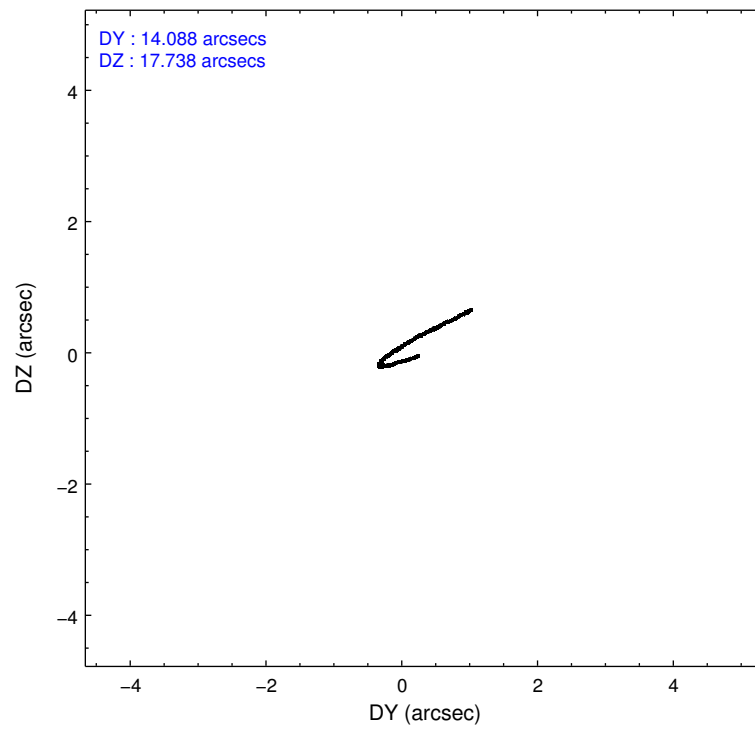
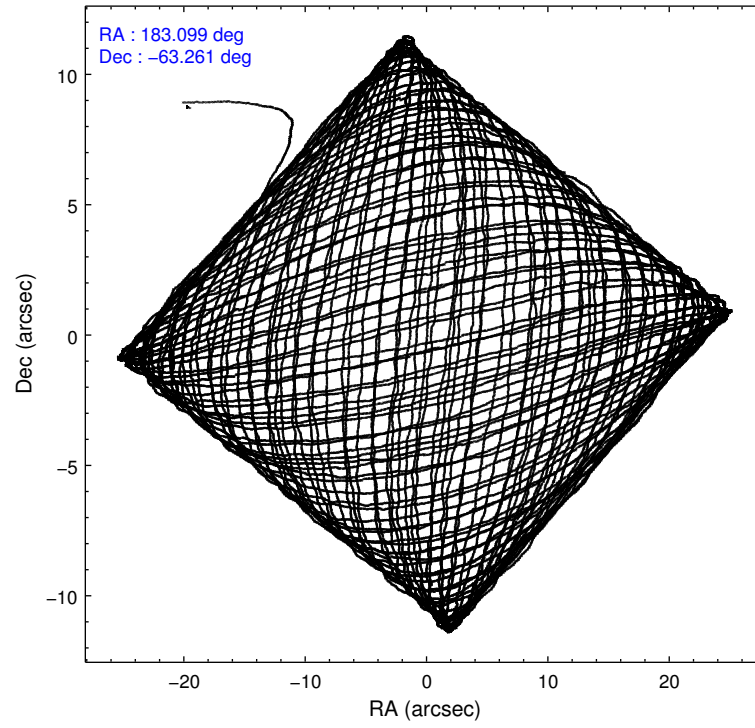
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	227254	235666	248644	241618
rejected events	199088	204709	221574	214801
rejected %	87%	86%	89%	88%

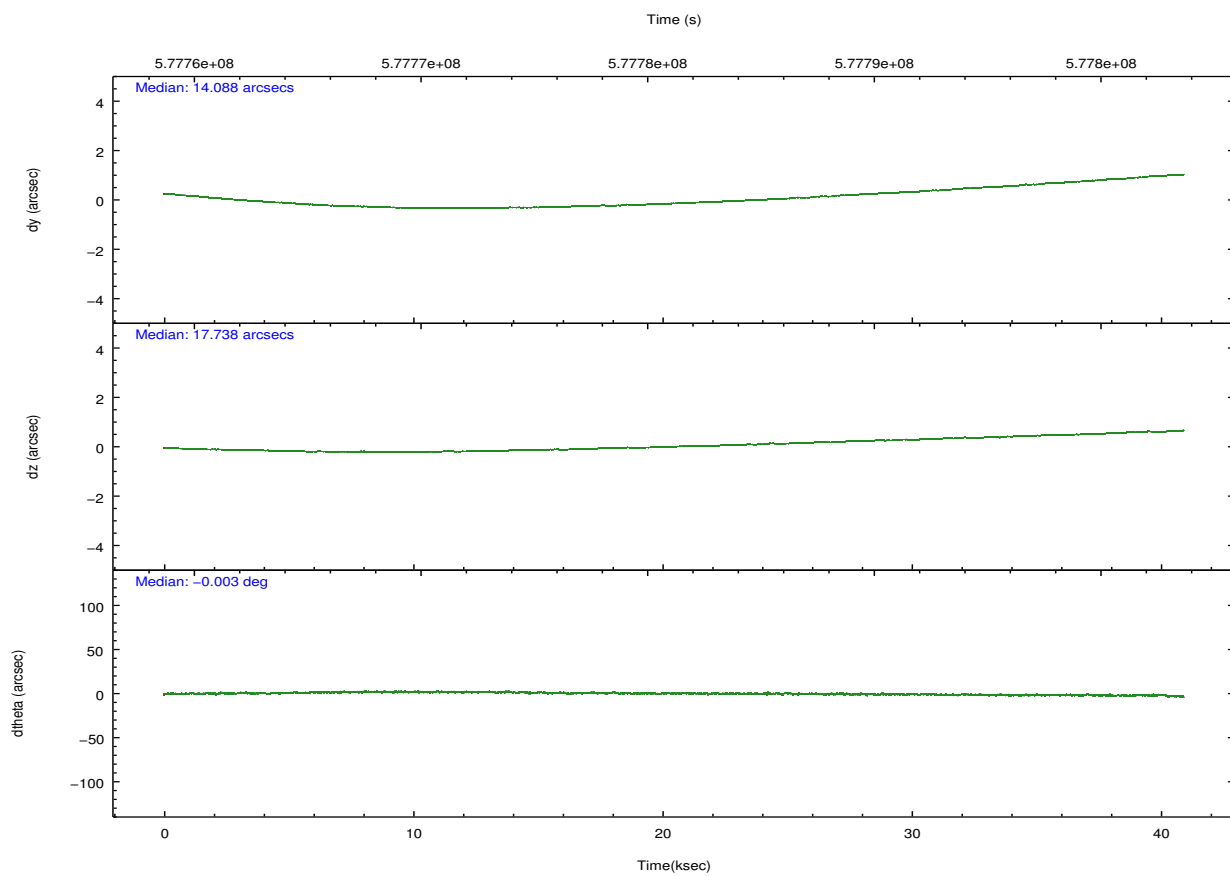
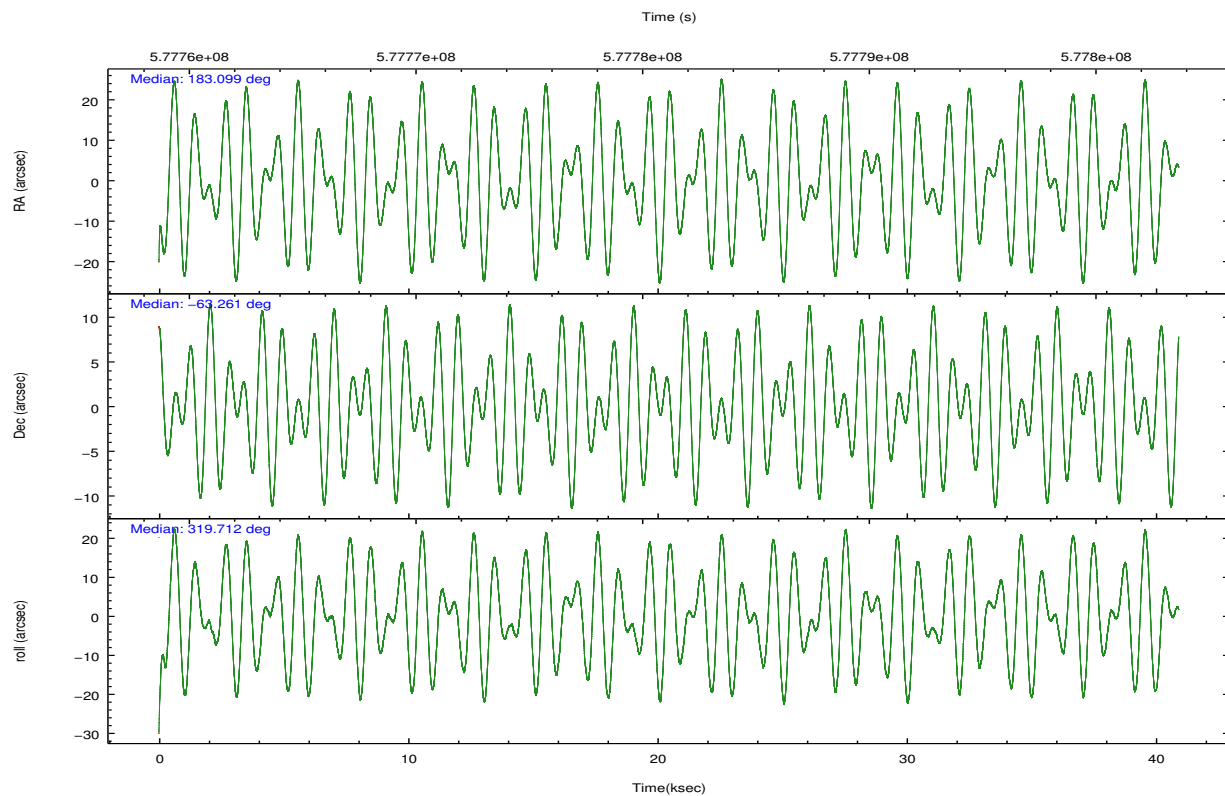
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	10252	10877	9979	9684
	4%	4%	4%	4%
grade 1 events	129	108	110	141
	0%	0%	0%	0%
grade 2 events	6675	7524	6360	5805
	2%	3%	2%	2%
grade 3 events	2813	2856	2845	2831
	1%	1%	1%	1%
grade 4 events	2675	2775	2711	2793
	1%	1%	1%	1%
grade 5 events	10569	10863	9749	11864
	4%	4%	3%	4%
grade 6 events	5754	6925	5176	5708
	2%	2%	2%	2%
grade 7 events	188387	193738	211714	202792
	82%	82%	85%	83%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	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	183.038650	183.0990284172972	Subarray requested	NONE	NONE
[deg] Pointing Dec	-63.256122	-63.26096988376798	Alternating exposures requested	N	N
[deg] Pointing Roll	319.459725	319.7223266355338	[s] Primary exposure time	0.000000	3.1
[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)	577760813.184000	577759637.05665			
Observation start date	2016-04-23T01:05:45	2016-04-23T00:47:17			
[s] Observation end time (MET)	577801593.184000	577802074.10908			
Observation end date	2016-04-23T12:25:25	2016-04-23T12:34:34			
Read mode	TIMED	TIMED			

2.3 Aspect



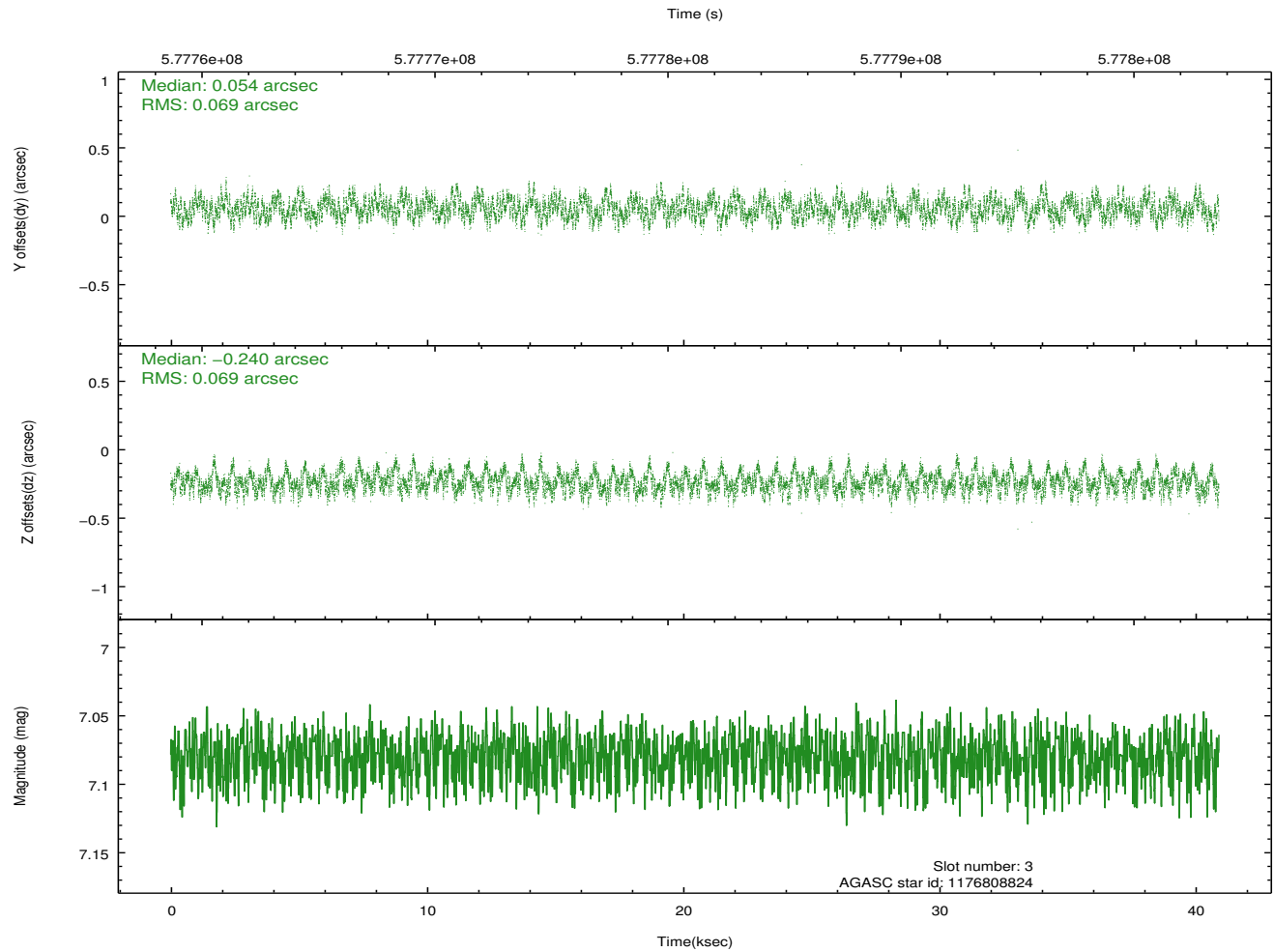
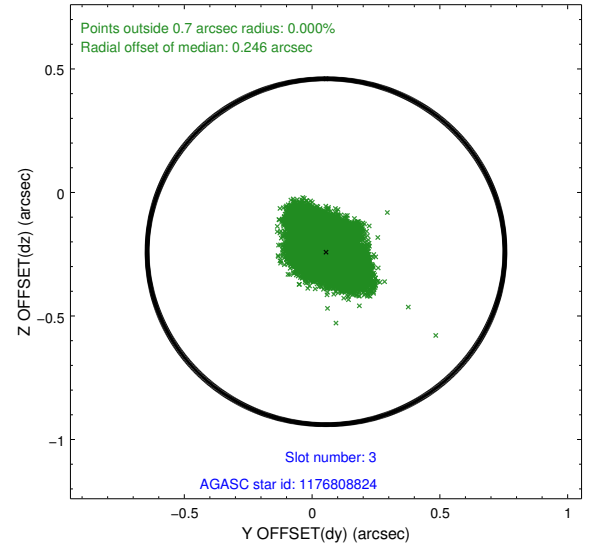
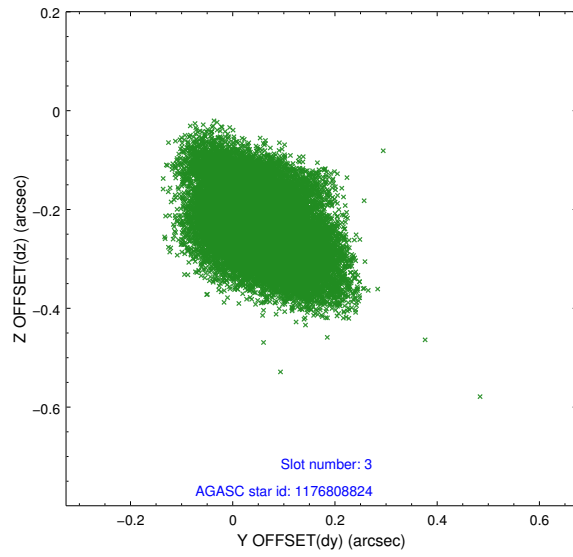


Slot Statistics

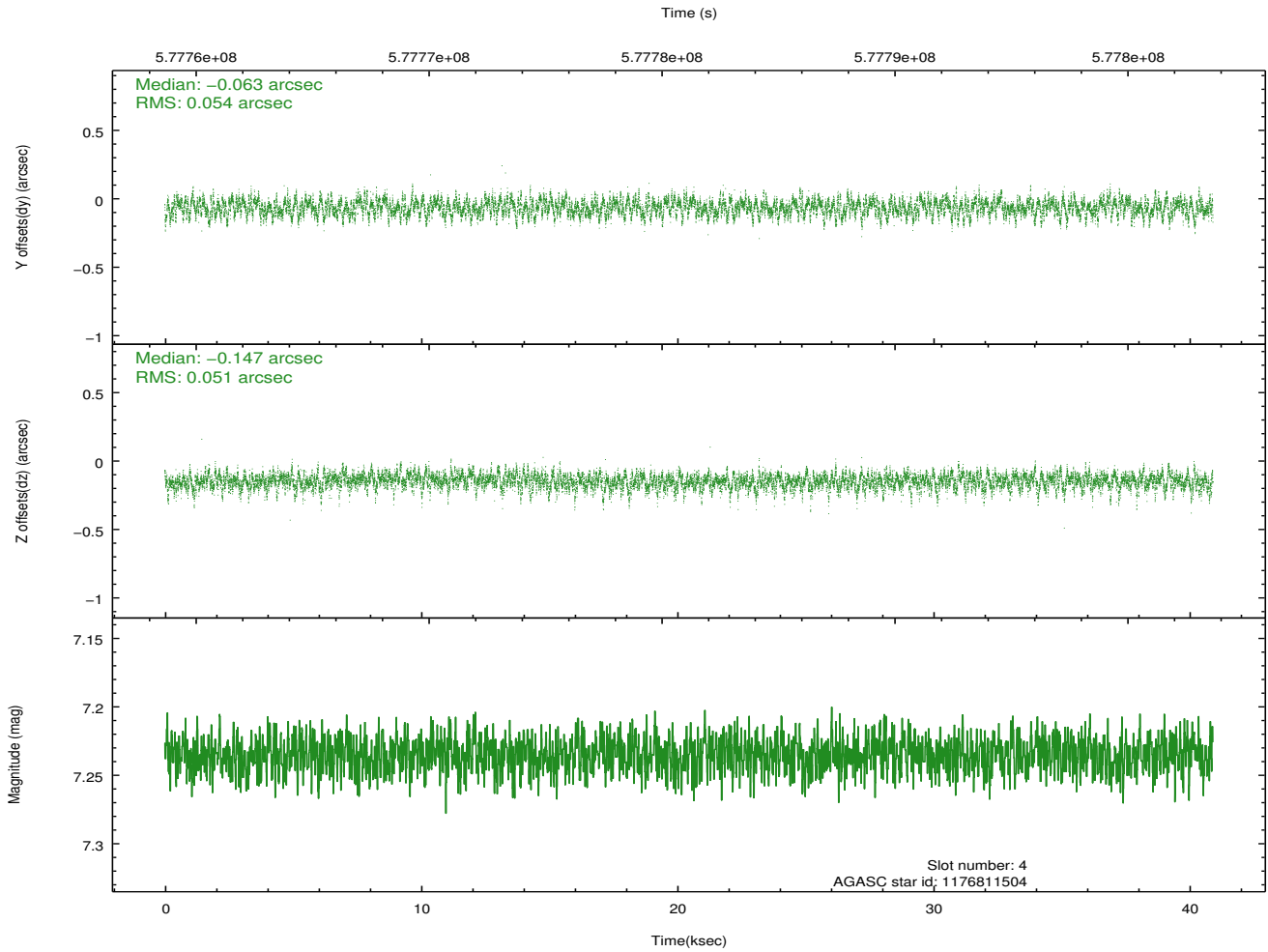
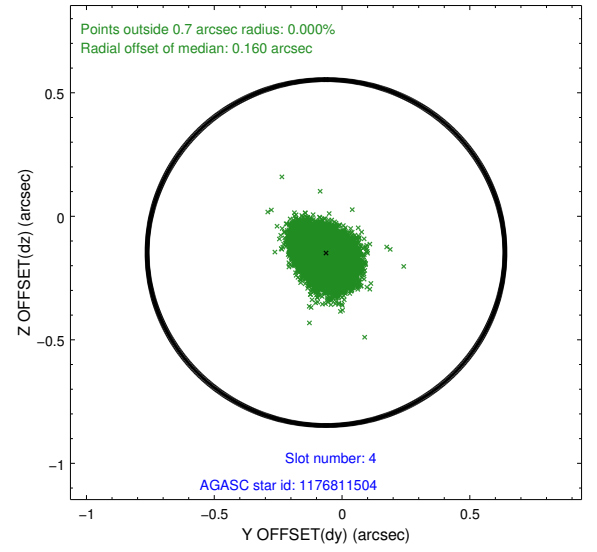
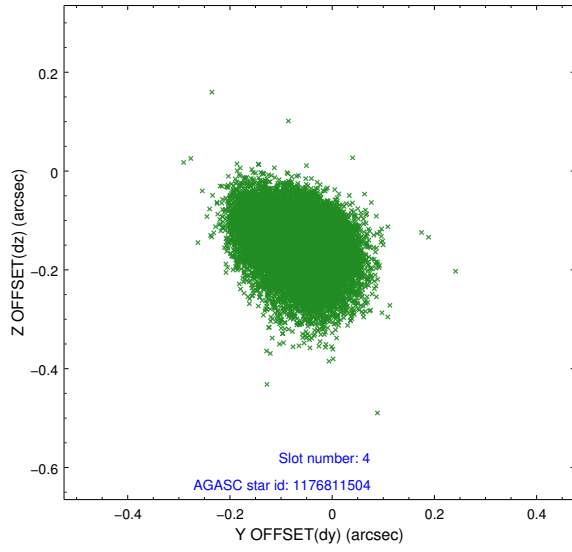
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.25	9979	0.070	-0.021	0.015	0.035	0.000000	0.000000	925.38	-841.50
1	FID		ACIS-I-5	7.26	9980	-0.327	0.043	0.011	0.019	0.000000	0.000000	-1823.17	1055.97
2	FID		ACIS-I-6	7.26	9981	0.164	0.049	0.019	0.029	0.000000	0.000000	390.94	1700.56
3	GUIDE	used	1176808824	7.08	19958	0.054	-0.240	0.104	0.170	184.159290	-63.197902	1254.83	1328.33
4	GUIDE	used	1176811504	7.24	19960	-0.063	-0.147	0.078	0.131	183.821836	-62.887748	119.69	1837.16
5	GUIDE	used	1177318928	7.61	19953	-0.121	0.203	0.074	0.122	183.098145	-63.852646	1468.23	-1569.92
6	GUIDE	used	1176803184	9.14	19936	0.182	-0.262	0.110	0.183	183.384889	-62.526794	-1268.36	2367.56
7	GUIDE	used	1177316904	8.51	19950	-0.053	0.450	0.120	0.201	182.458956	-63.915853	849.90	-2403.58

2.4 Star Slots

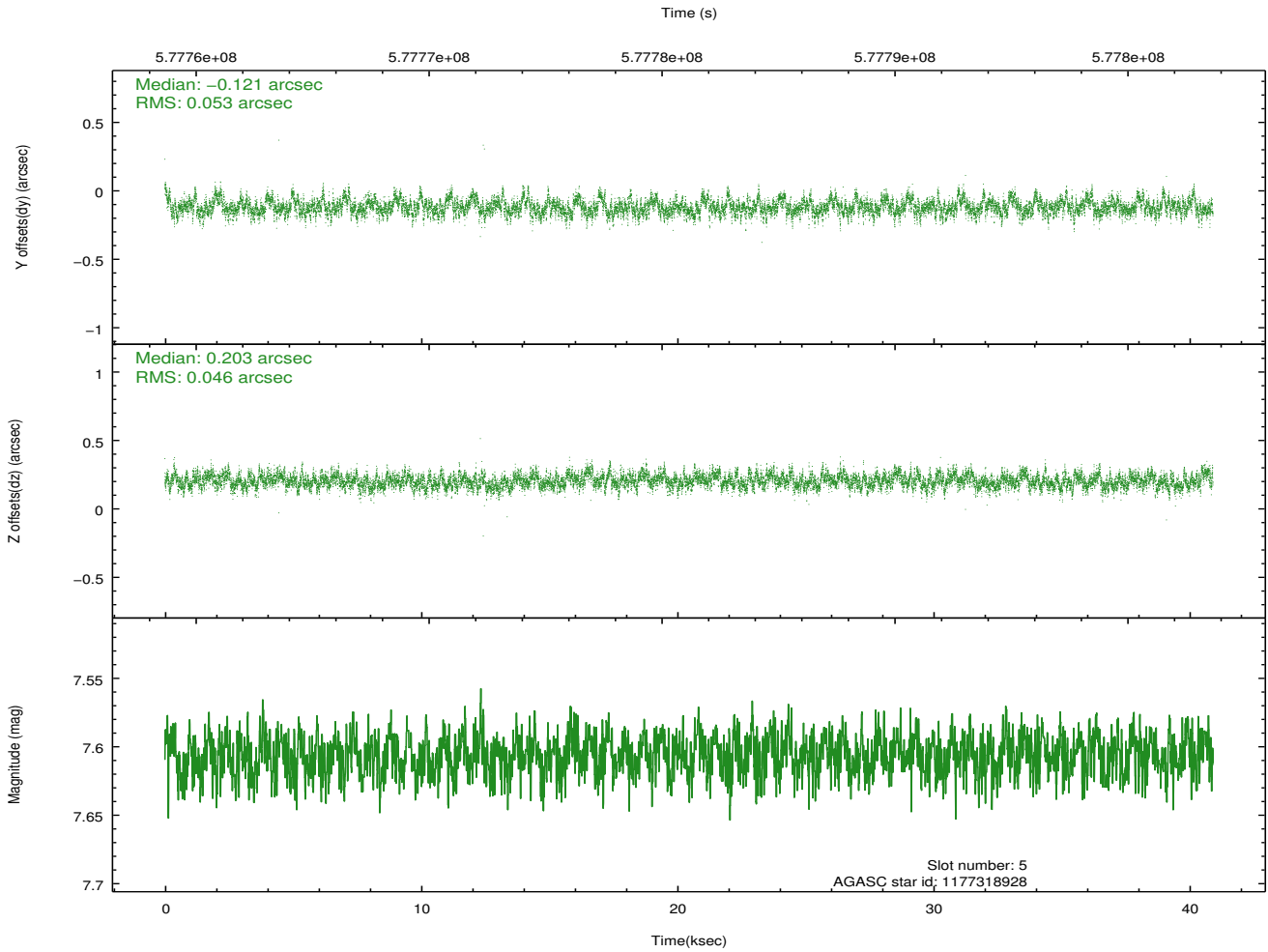
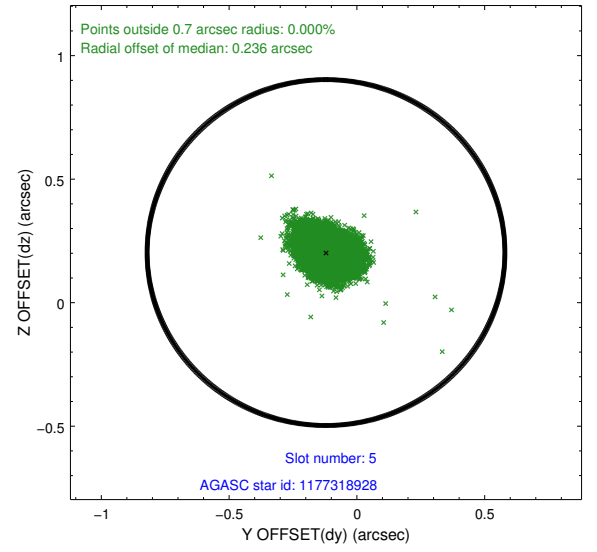
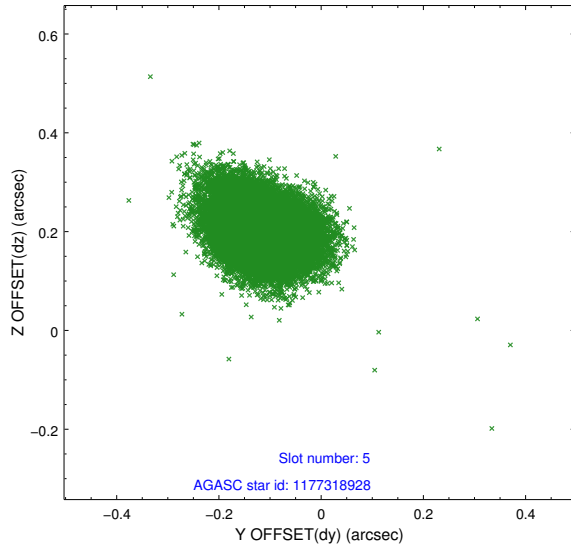
2.4.1 Slot 3



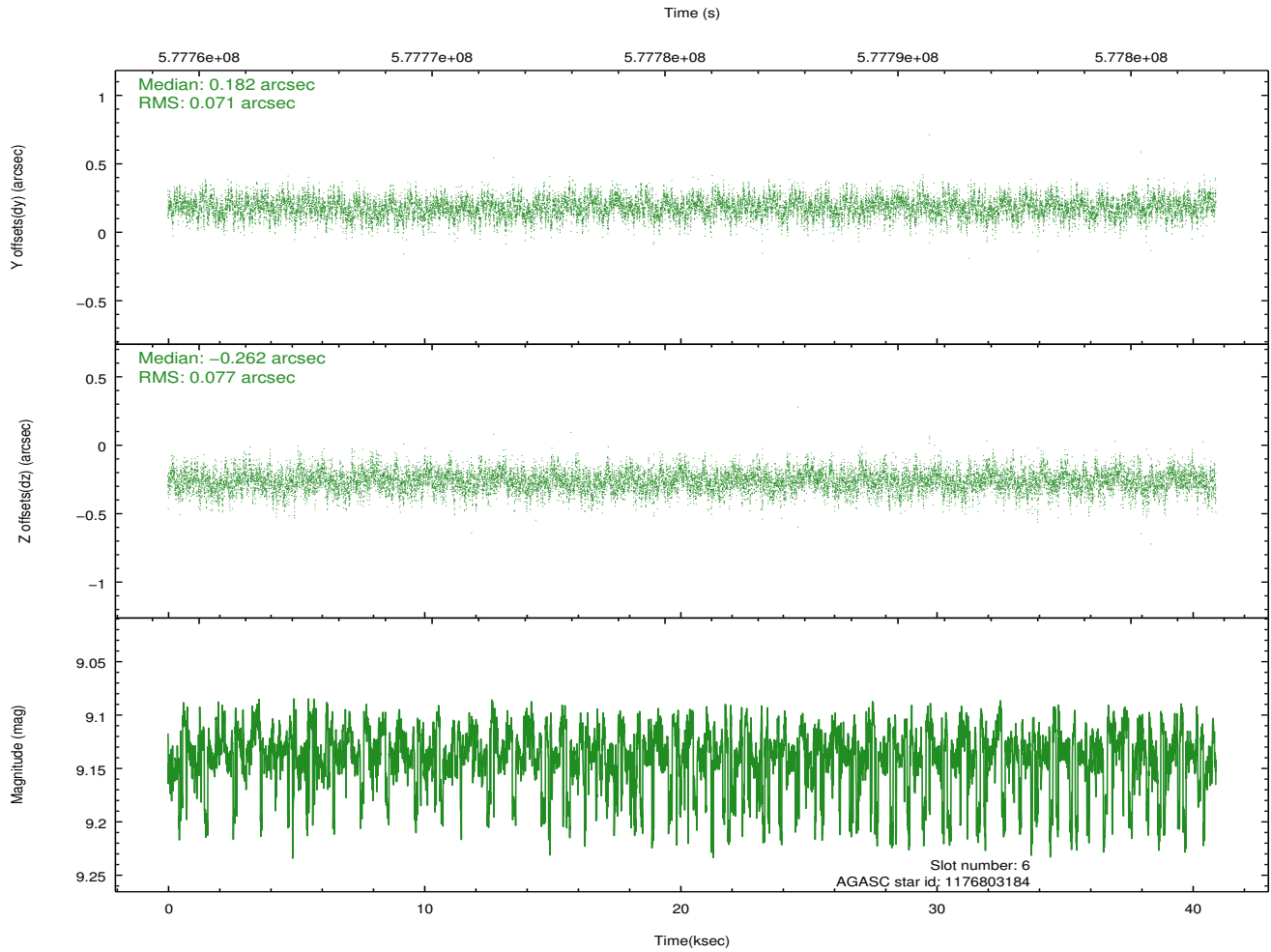
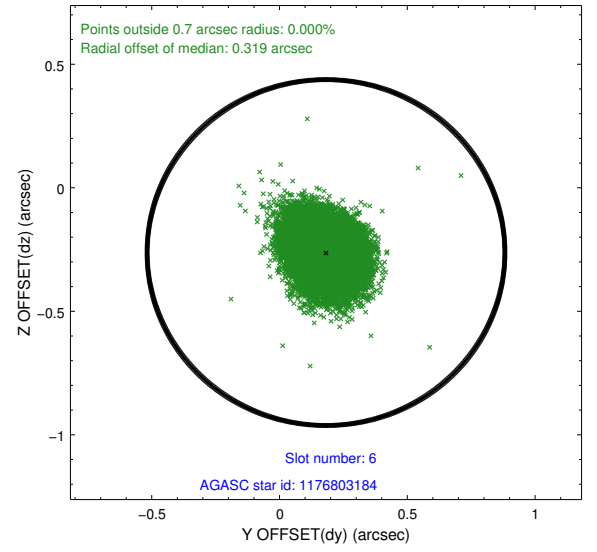
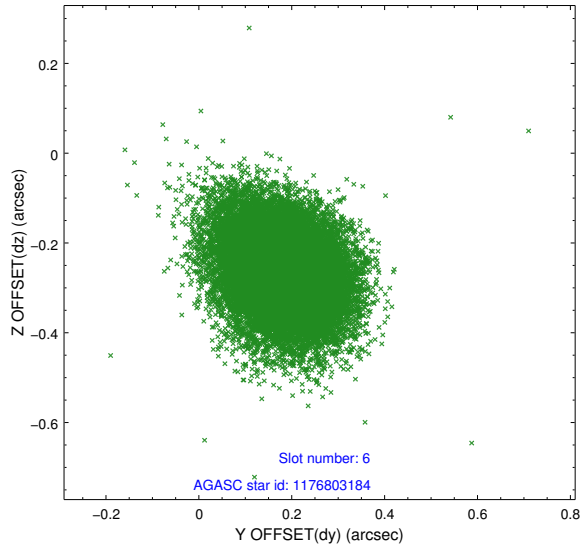
2.4.2 Slot 4



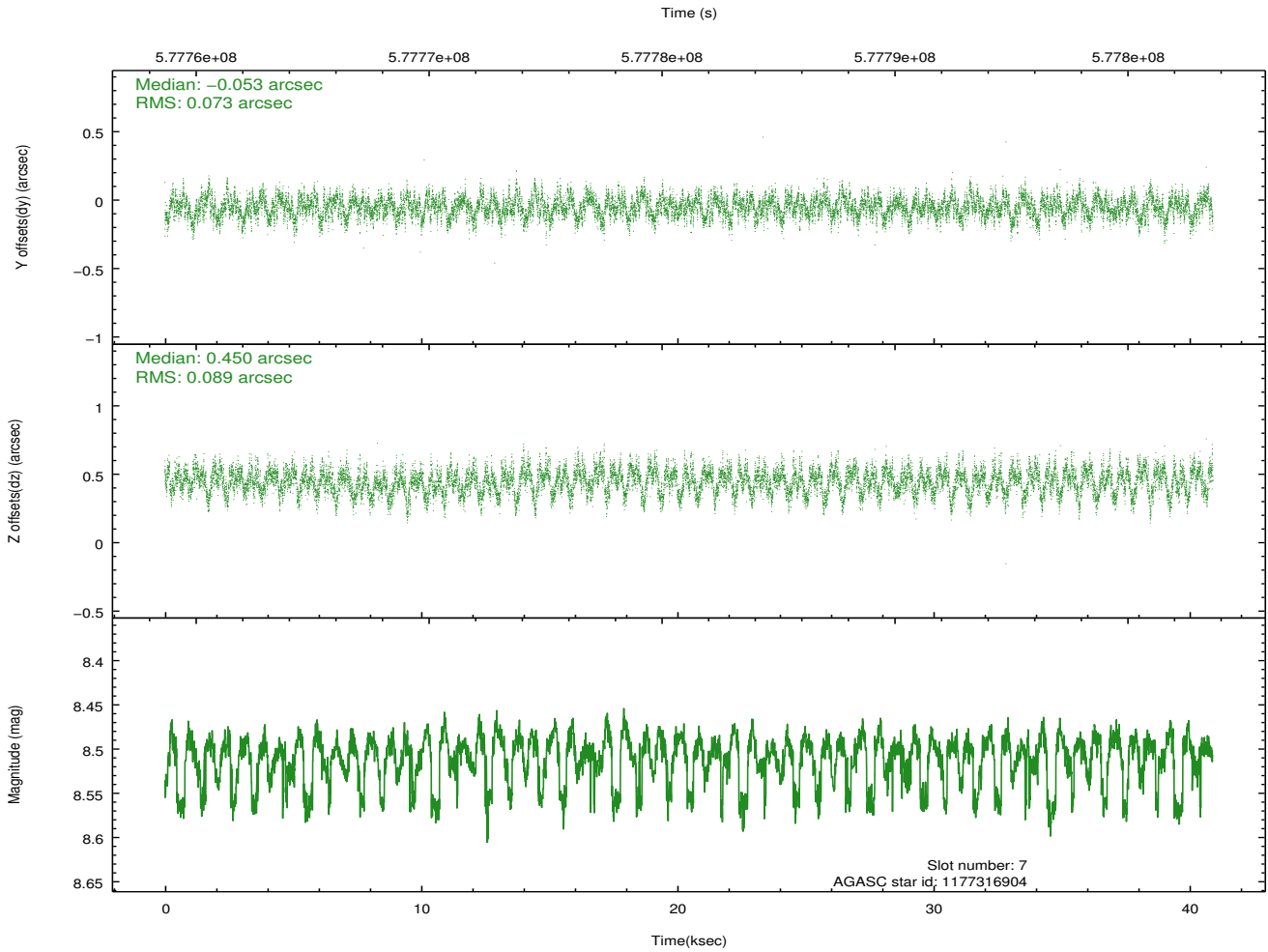
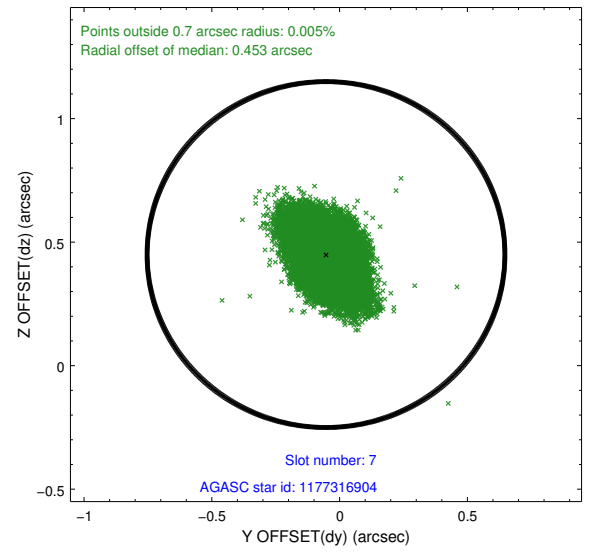
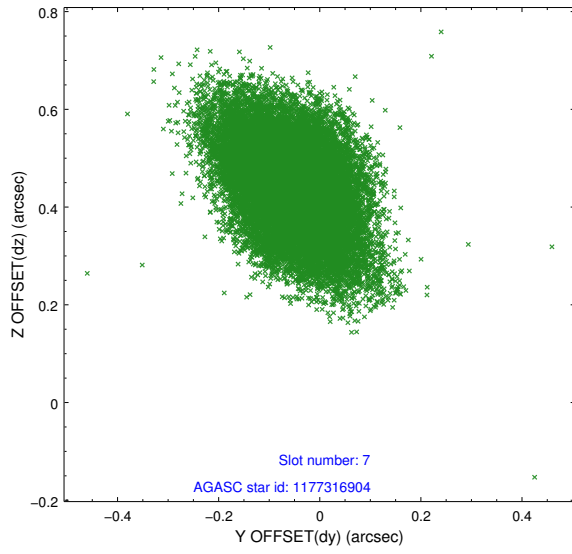
2.4.3 Slot 5



2.4.4 Slot 6

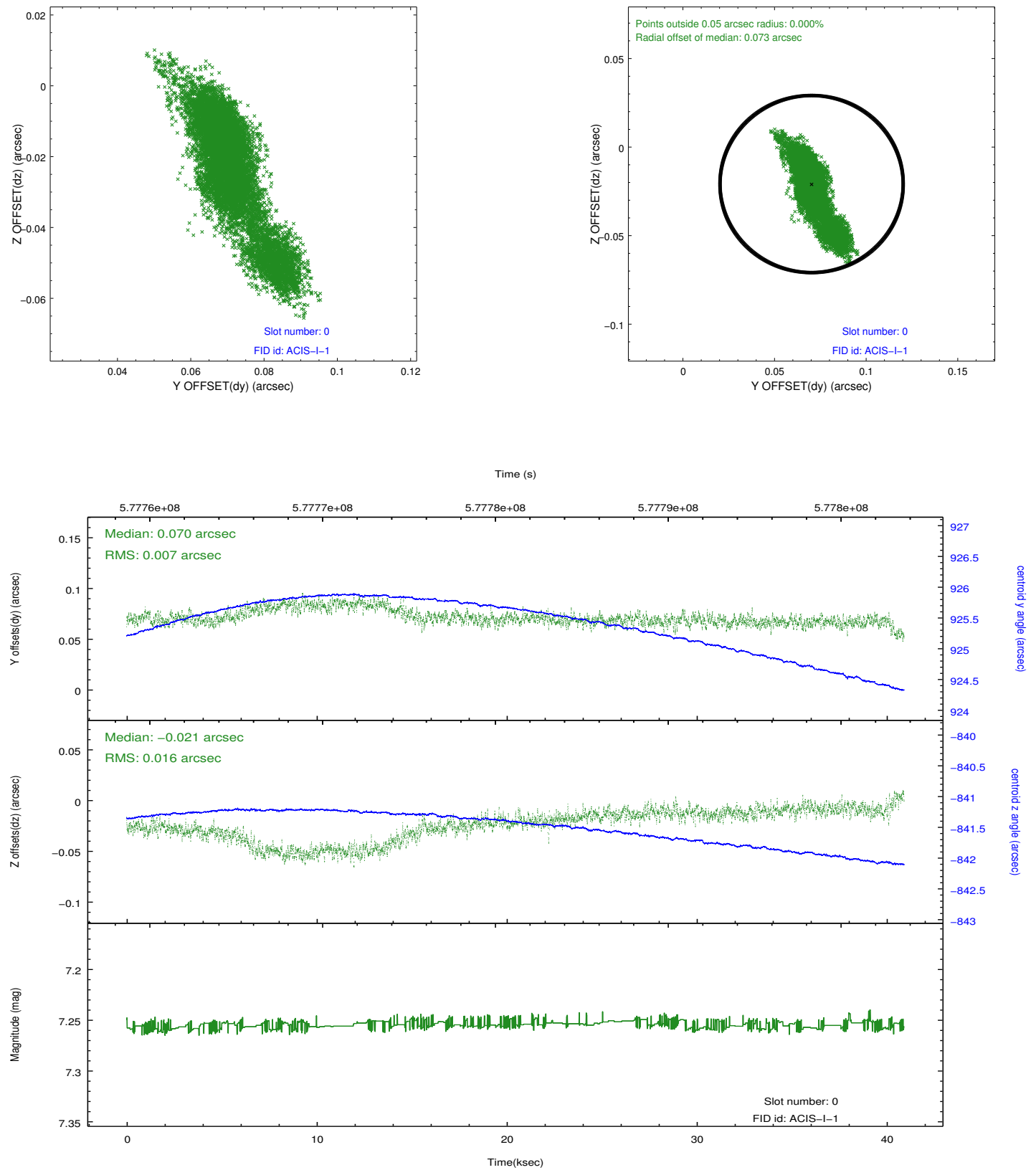


2.4.5 Slot 7

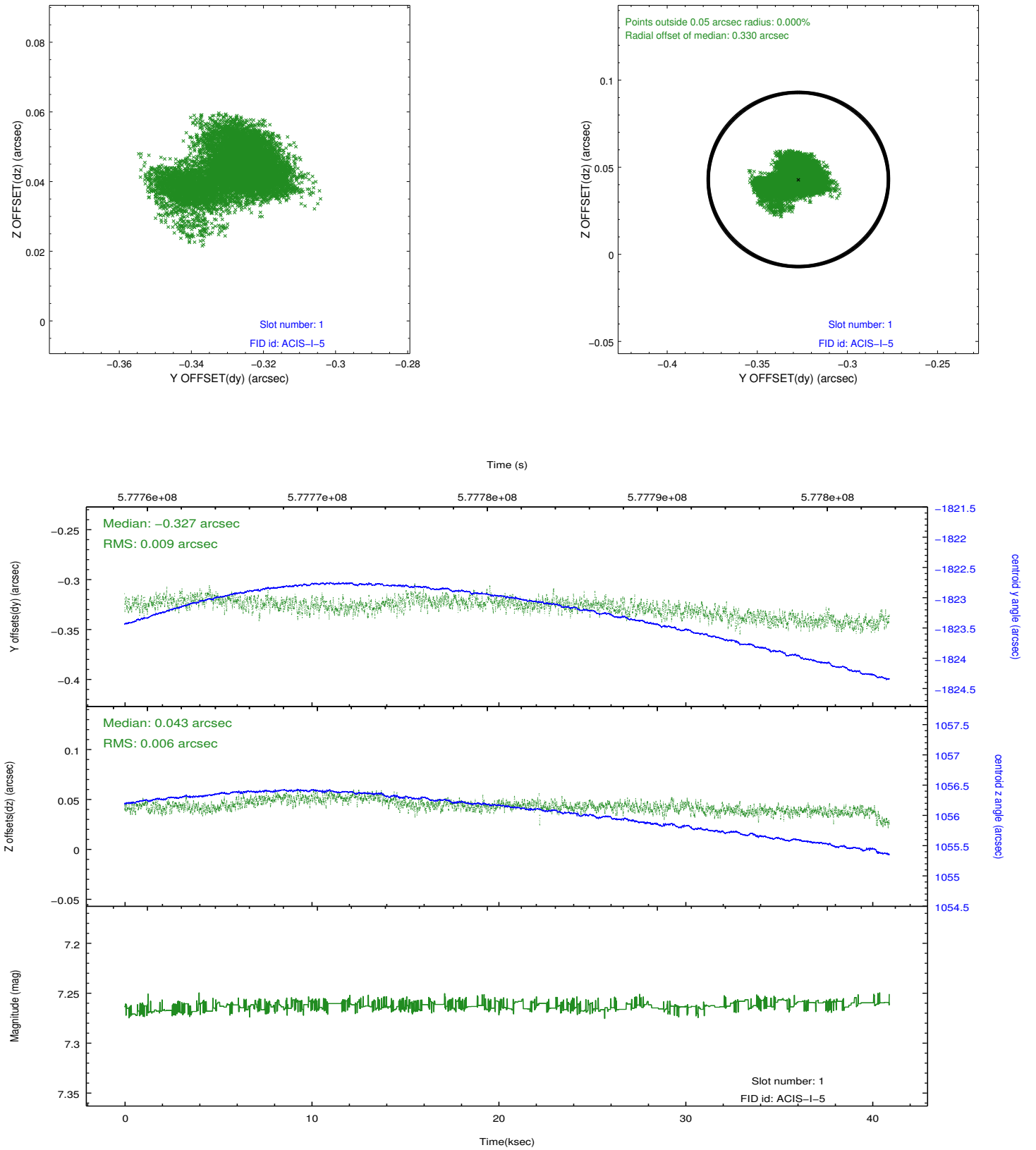


2.5 FID Slots

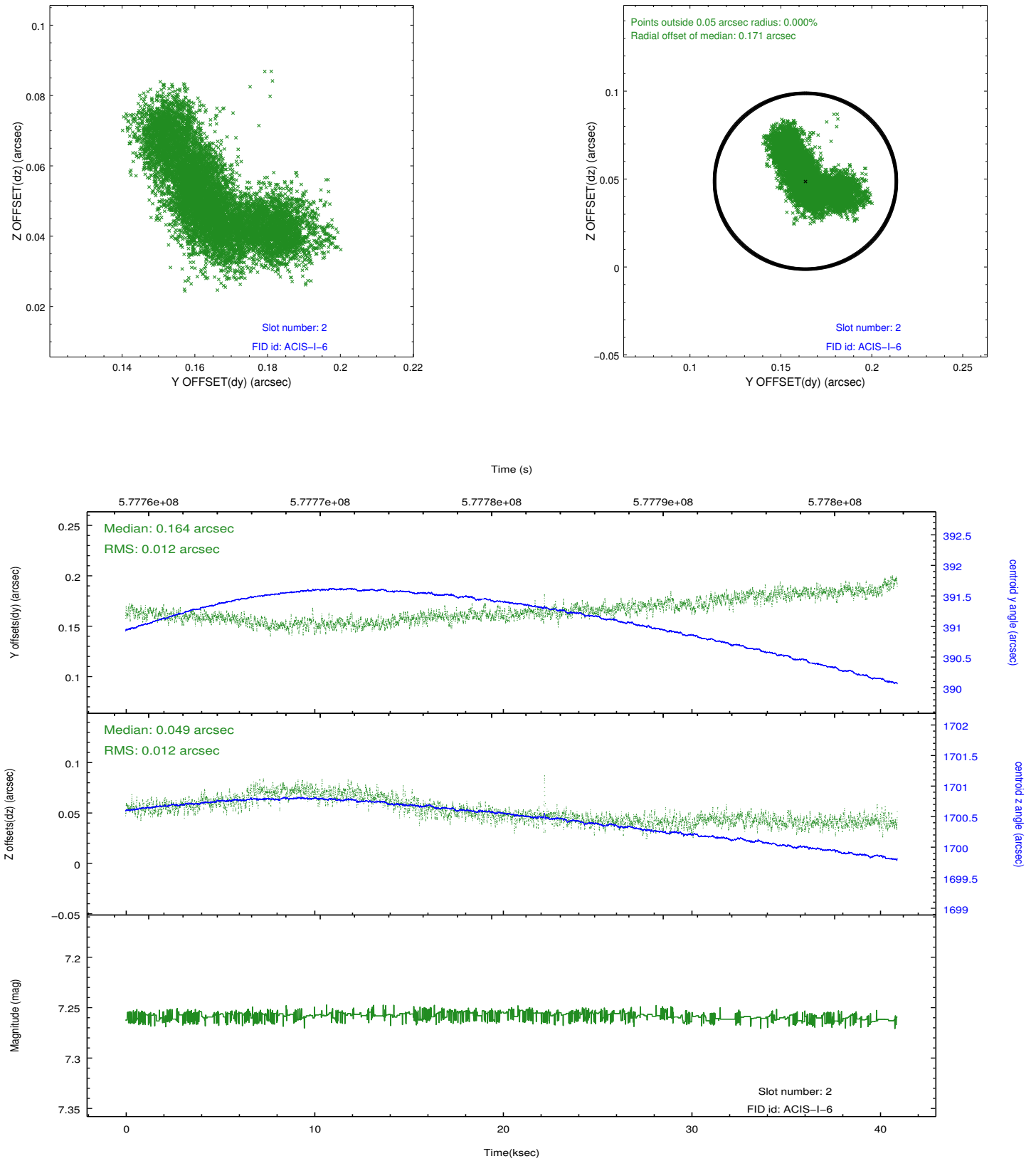
2.5.1 Slot 0



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)	2016.04.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.864200314403

A.2 Comments