

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1949 - L2 Version 3
Chandra X-Ray Center

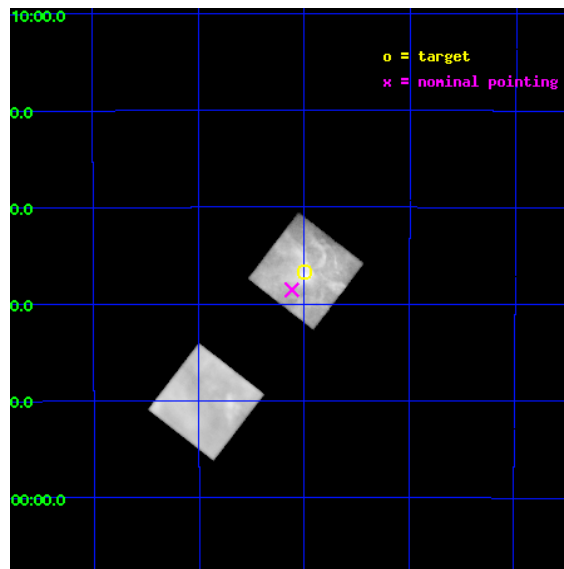
L2 Processing Date : Oct 4 2012

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1 Front

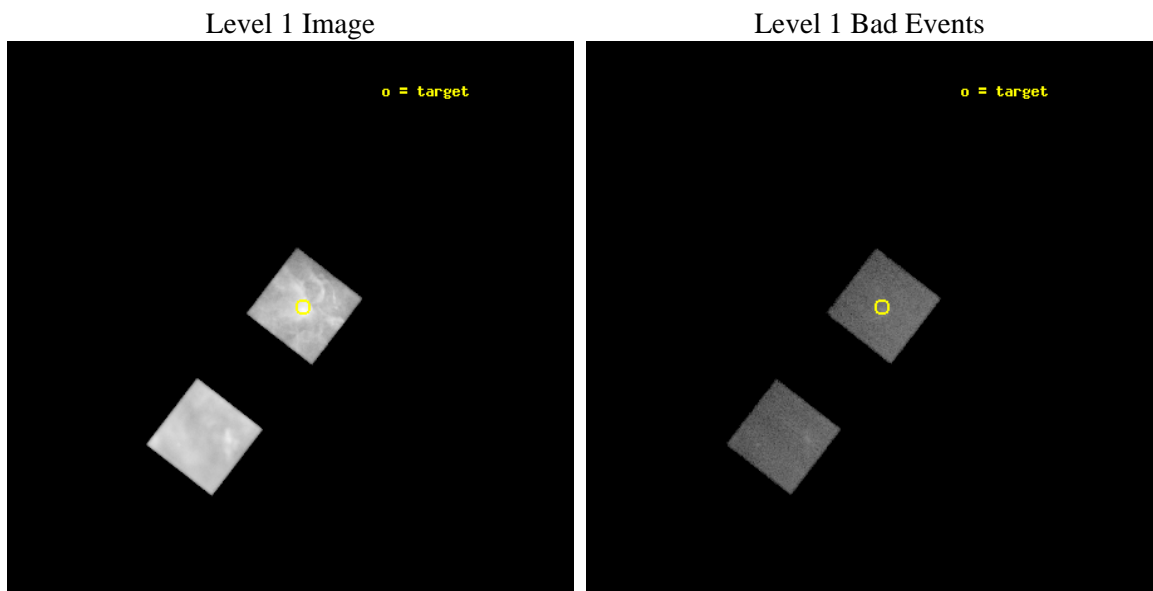
seq_num	500126	Sequence number
obs_id	1949	Observation id
title	EXPLORING SHOCK CONDITIONS IN THE PUPPIS A SNR	Proposal title
observer	Dr Una Hwang	Principal investigator
object	PUPPIS N KNOT	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	125.5	Observer's specified target RA [deg]
dec_targ	-42.611944	Observer's specified target Dec [deg]
ra_nom	125.52911692113	Nominal RA [deg]
dec_nom	-42.642623094615	Nominal Dec [deg]
roll_nom	307.66859763702	Nominal Roll [deg]
revision	3	Processing version of data
ontime	20151.0	Sum of GTIs [s]
livetime	19879.054533975	Livetime [s]
ontime5	15200.305995211	Sum of GTIs [s]
ontime7	20151.0	Sum of GTIs [s]
l2events	3448983	Number of level 2 events



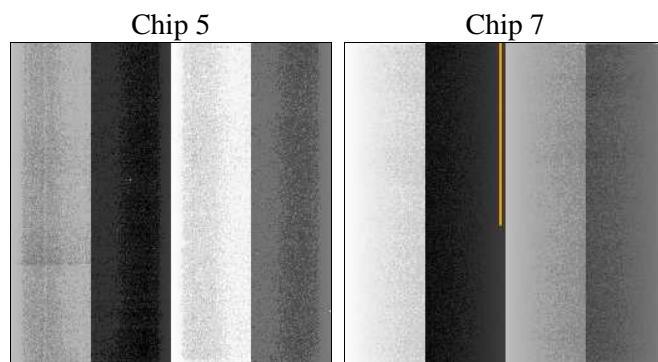
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	3	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	20151.0	Sum of GTIs [s]
caldsver	4.5.2	 	ontime5	15200.305995211	Sum of GTIs [s]
date	2012-10-04T01:27:46	Date and time of file creation	ontime7	20151.0	Sum of GTIs [s]
revision	3	Processing version of data	l1events	3783743	Number of level 1 events

2.1.4 Events

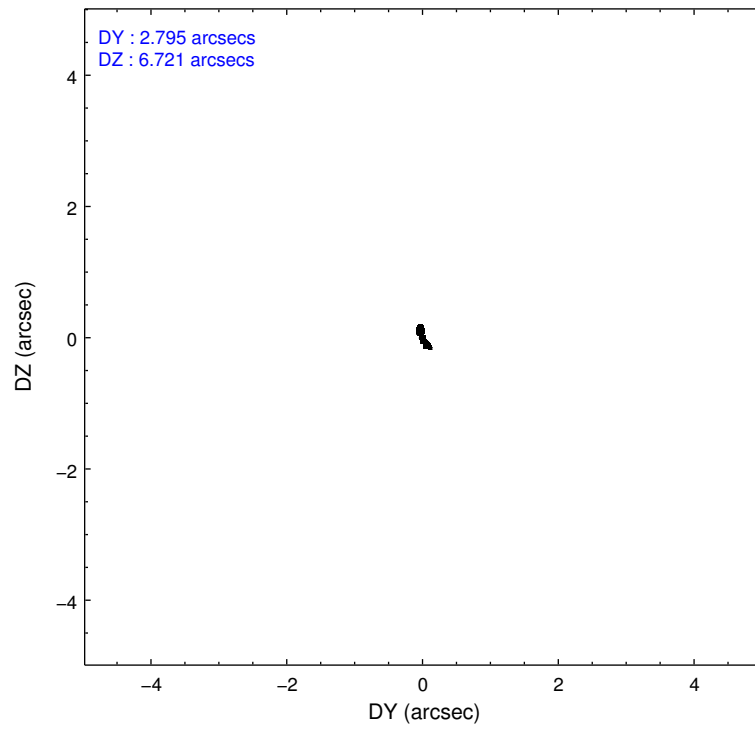
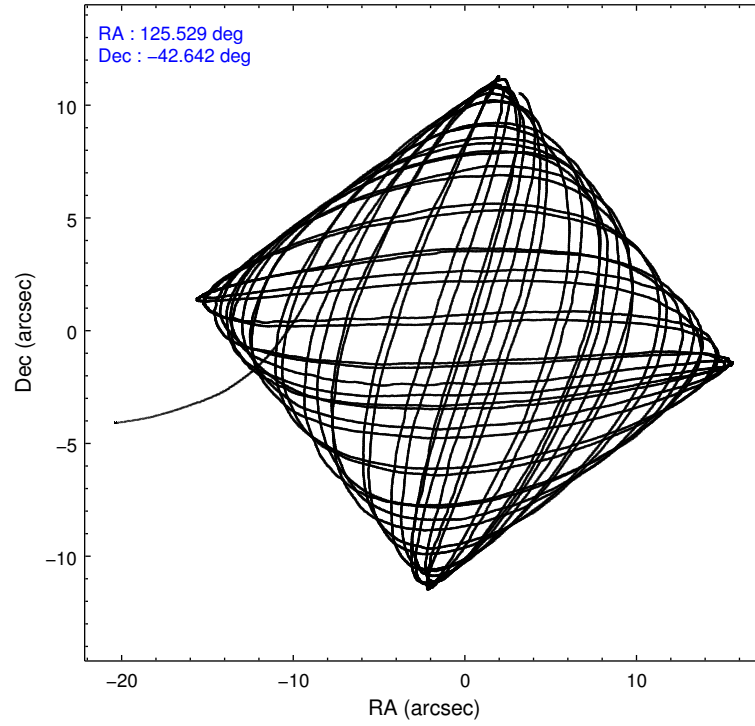
	ccd 5	ccd 7
level 1 events	2185396	1598347
rejected events	143644	147926
rejected %	6%	9%

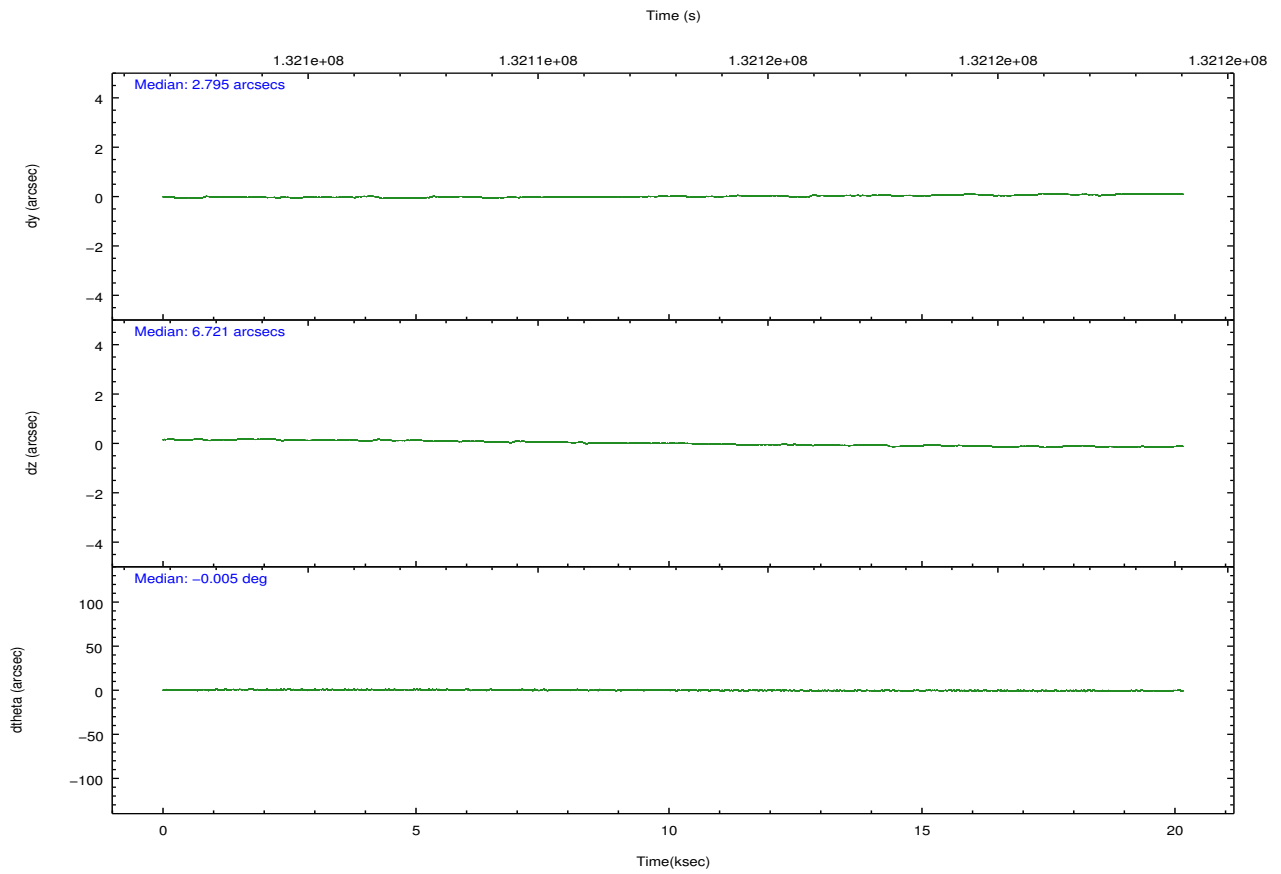
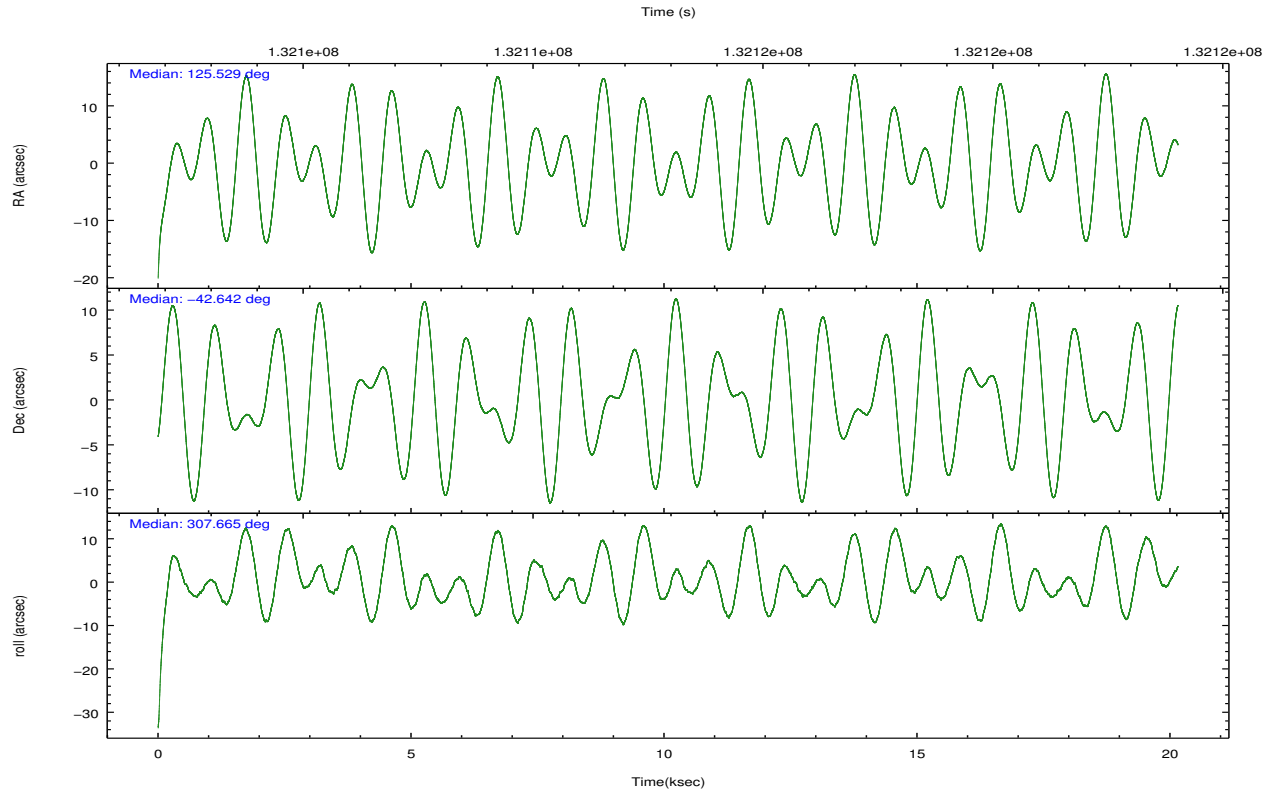
	ccd 5	ccd 7
grade 0 events	905261	514312
	41%	32%
grade 1 events	1776	968
	0%	0%
grade 2 events	560940	395927
	25%	24%
grade 3 events	197559	174027
	9%	10%
grade 4 events	196192	172491
	8%	10%
grade 5 events	26163	27382
	1%	1%
grade 6 events	222549	221986
	10%	13%
grade 7 events	74956	91254
	3%	5%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-57	ACIS-57	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	125.494684	125.5291169211258	Subarray requested	NONE	NONE
[deg] Pointing Dec	-42.632587	-42.64262309461496	Alternating exposures requested	N	N
[deg] Pointing Roll	307.488651	307.668597637015	[s] Primary exposure time	0.000000	3
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	132103015.184000	132101820.76108			
Observation start date	2002-03-09T23:15:51	2002-03-09T22:57:00			
[s] Observation end time (MET)	132123015.184000	132123765.49947			
Observation end date	2002-03-10T04:49:11	2002-03-10T05:02:45			
Read mode	TIMED	TIMED			

2.3 Aspect



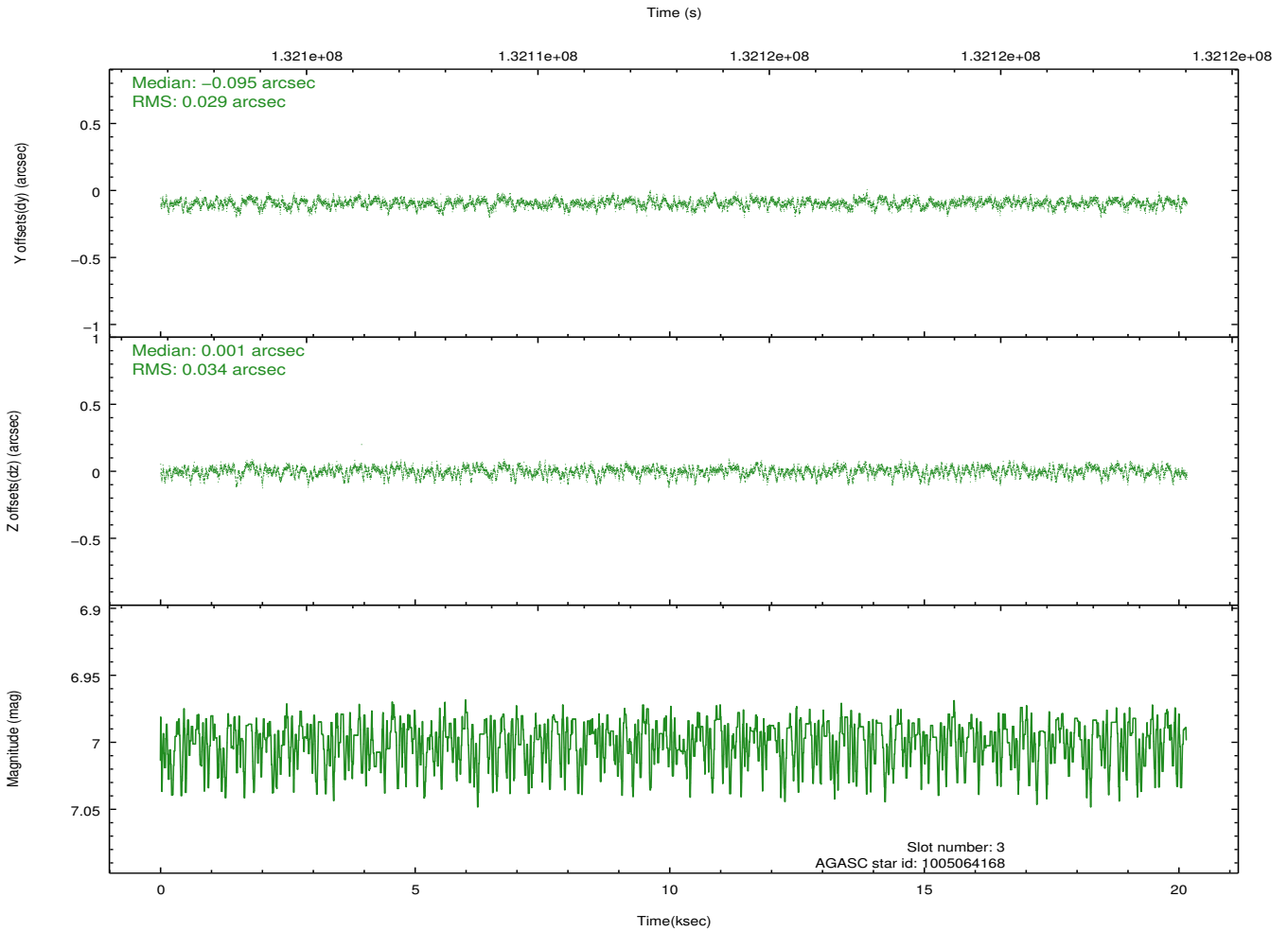
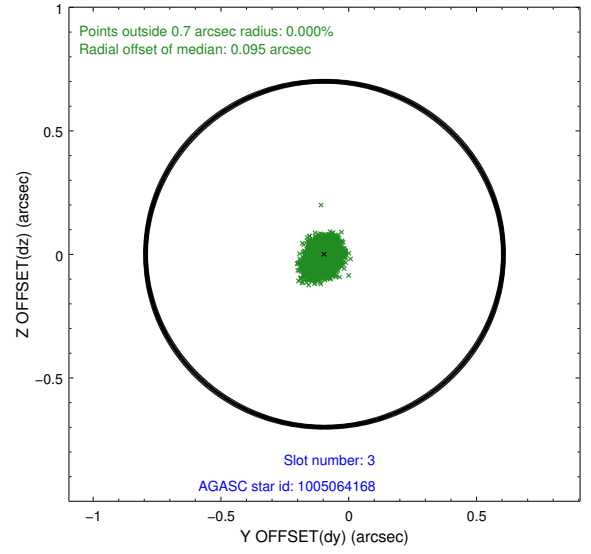
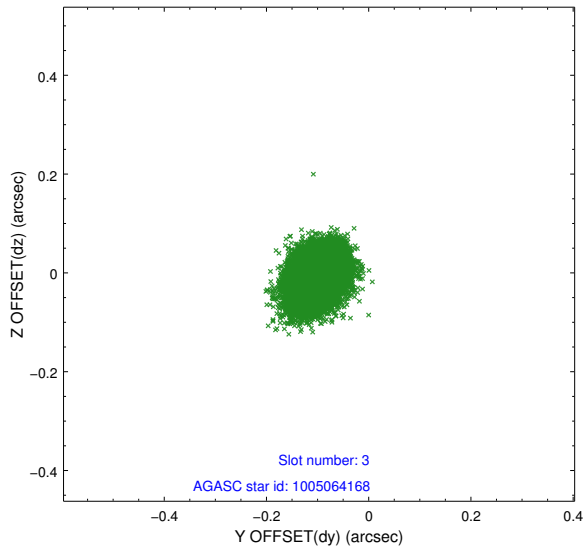


Slot Statistics

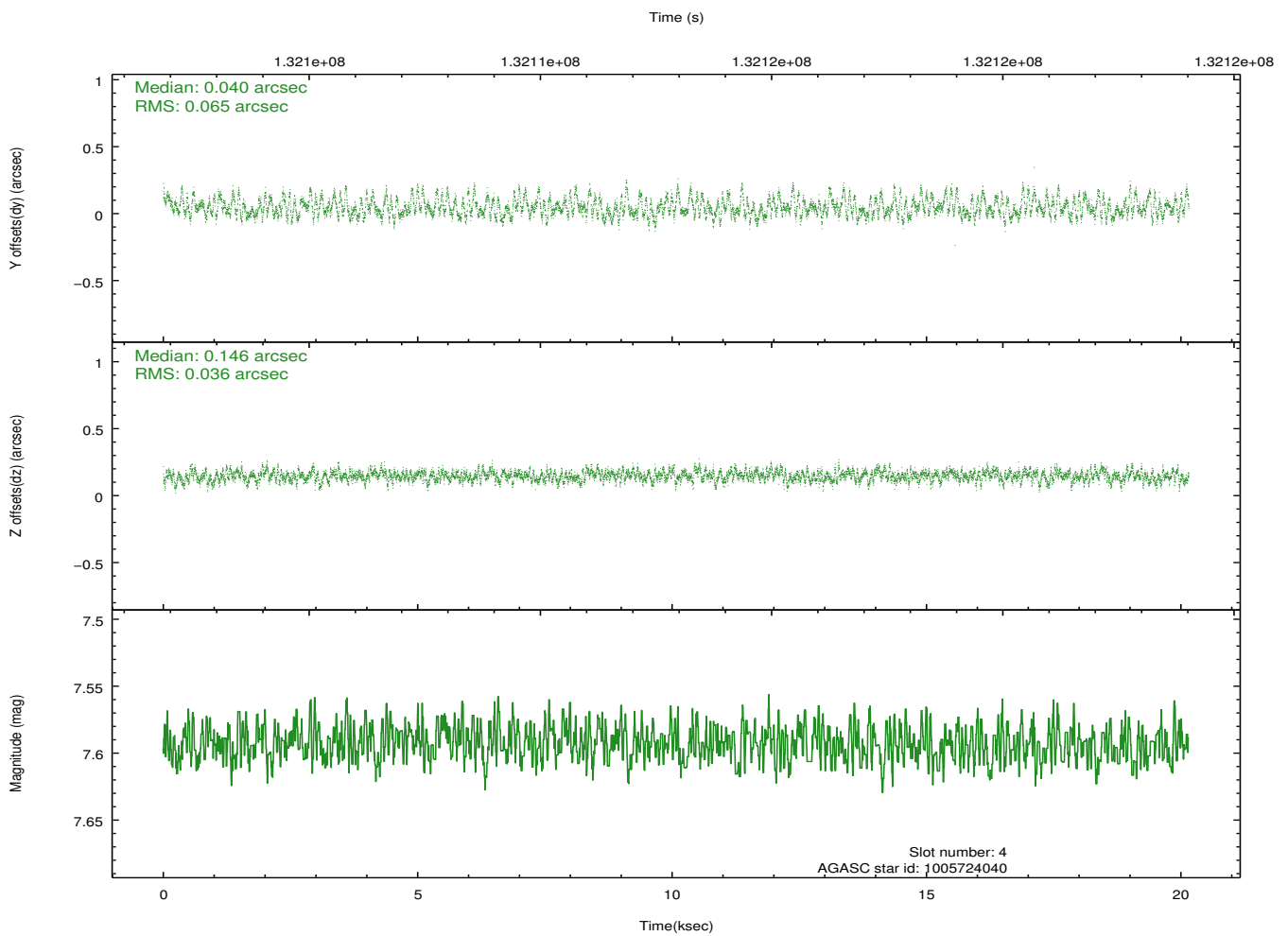
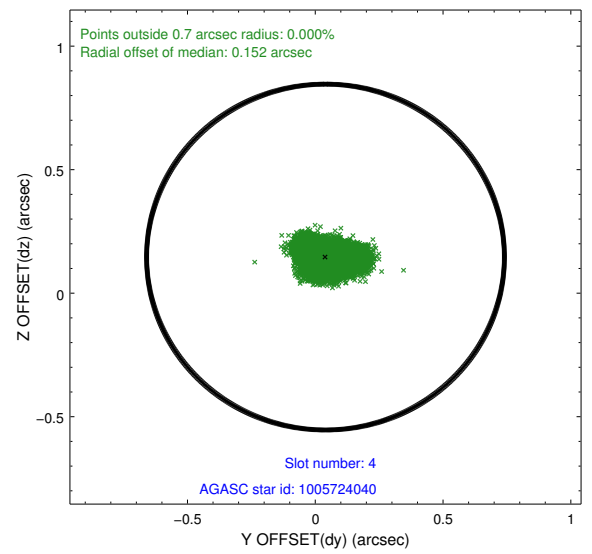
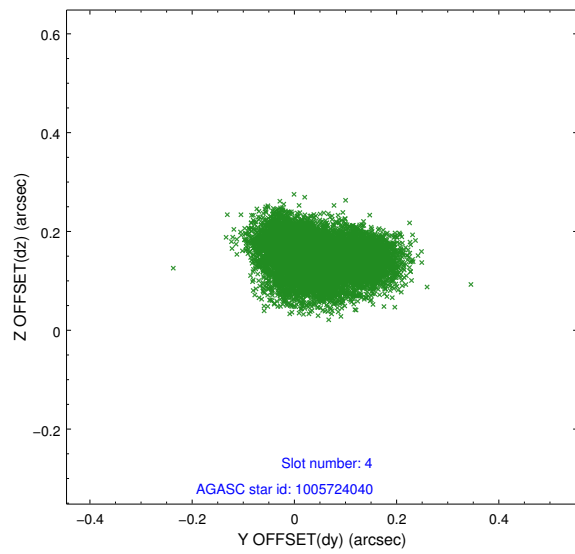
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	4916	-0.022	0.012	0.007	0.012	0.000000	0.000000	-755.44	-1727.88
1	FID	ACIS-S-4	7.20	4916	-0.035	0.008	0.007	0.013	0.000000	0.000000	2157.71	180.45
2	FID	ACIS-S-5	7.24	4916	0.026	-0.011	0.007	0.012	0.000000	0.000000	-1808.02	174.26
3	GUIDE	1005064168	7.00	9833	-0.095	0.001	0.046	0.079	124.723843	-42.526737	-1538.65	-1396.15
4	GUIDE	1005724040	7.59	9833	0.040	0.146	0.079	0.132	125.738175	-43.227880	2090.83	-797.54
5	GUIDE	1005065848	7.59	9829	-0.039	-0.050	0.047	0.075	124.947854	-42.722303	-619.01	-1346.70
6	GUIDE	1005216672	7.95	9832	0.018	-0.070	0.075	0.124	125.948907	-42.033869	-967.71	2273.68
7	GUIDE	1005201896	8.53	9813	0.071	-0.027	0.065	0.107	126.670468	-42.695868	2092.12	2317.41

2.4 Star Slots

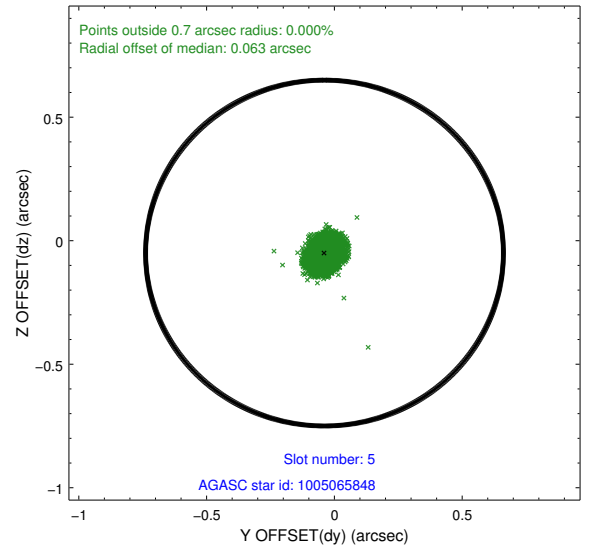
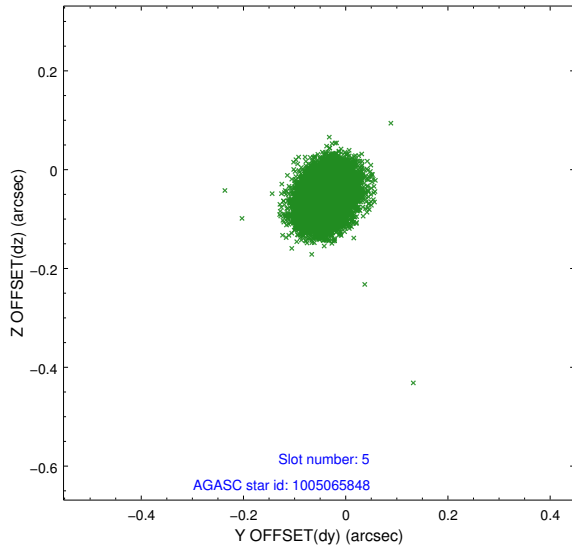
2.4.1 Slot 3



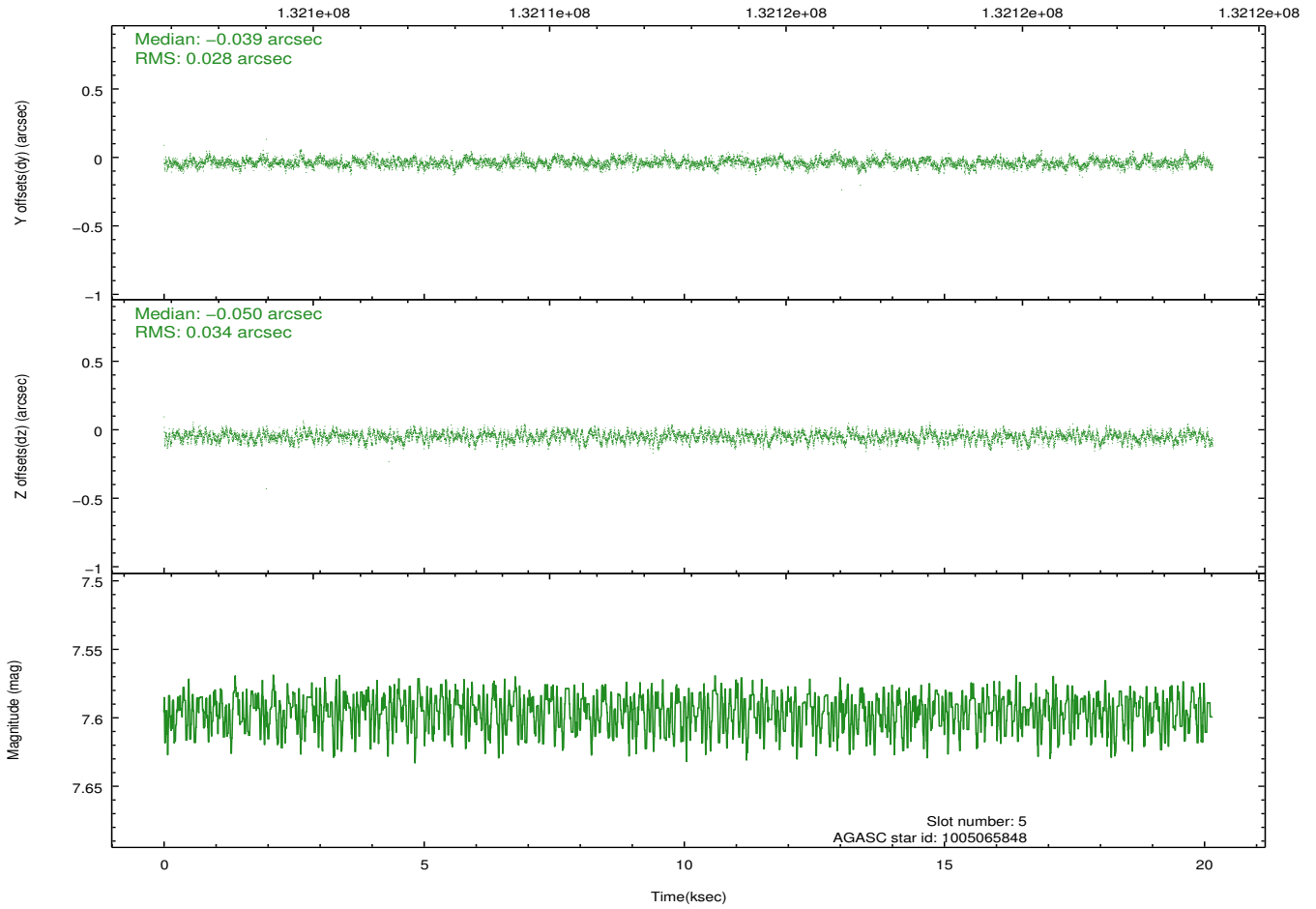
2.4.2 Slot 4



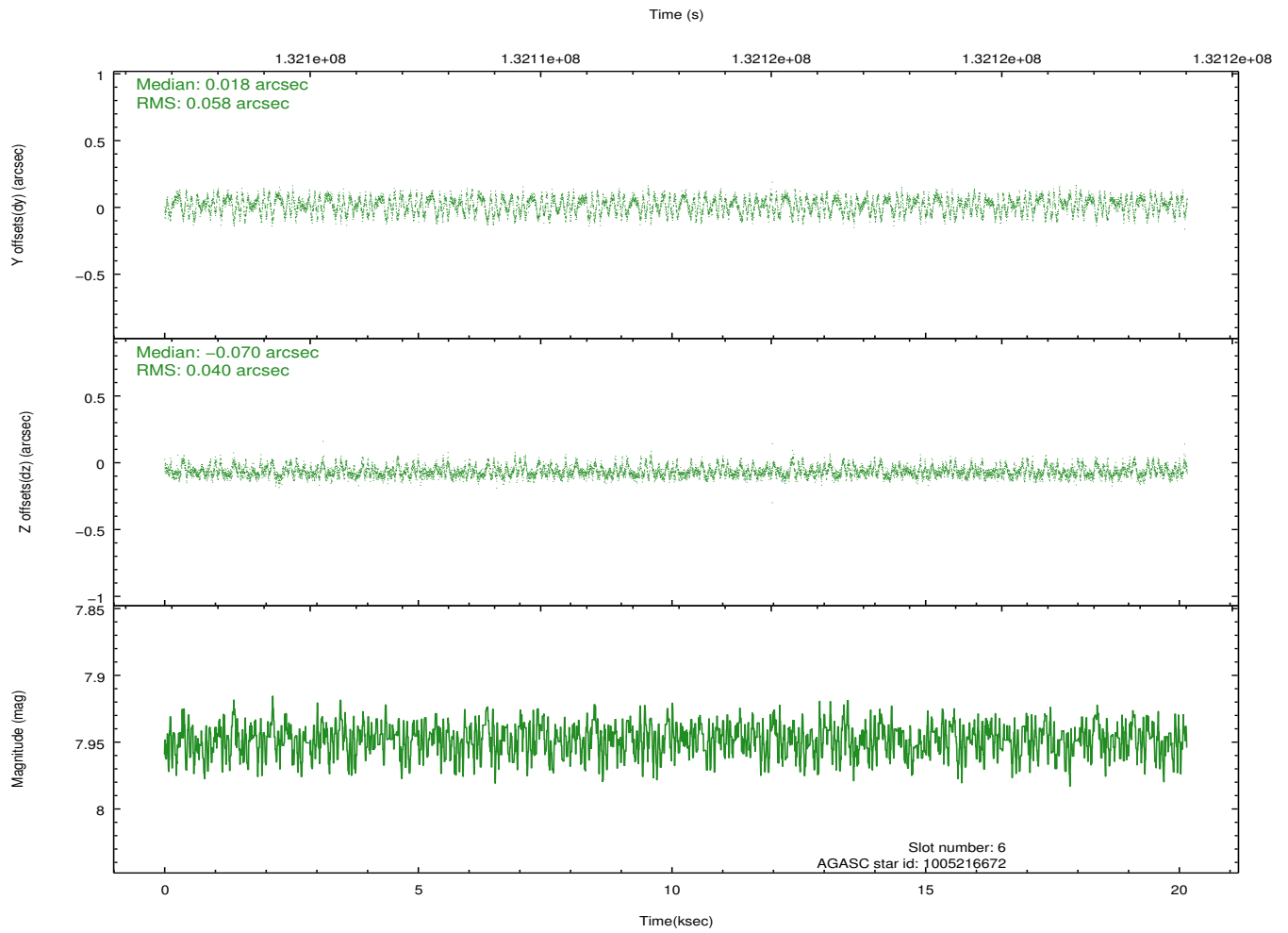
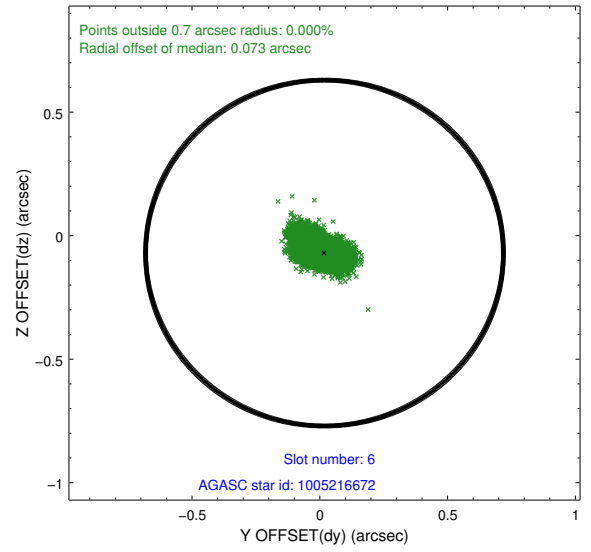
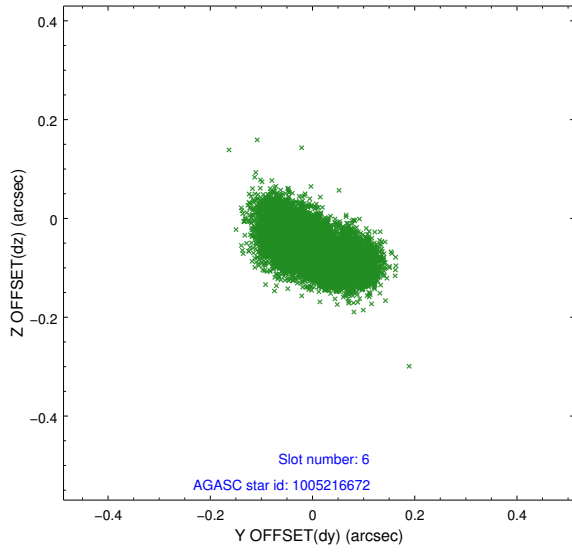
2.4.3 Slot 5



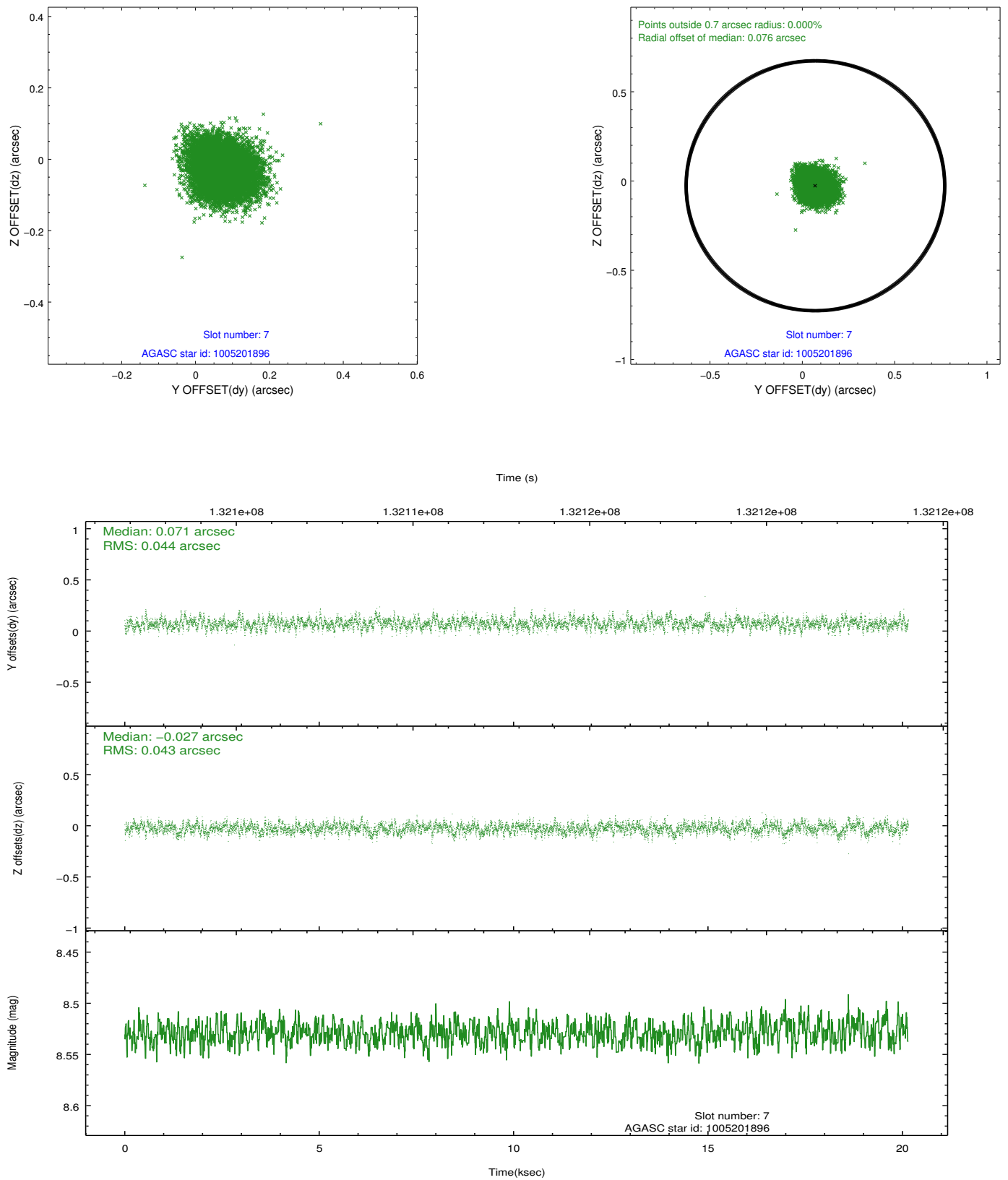
Time (s)



2.4.4 Slot 6

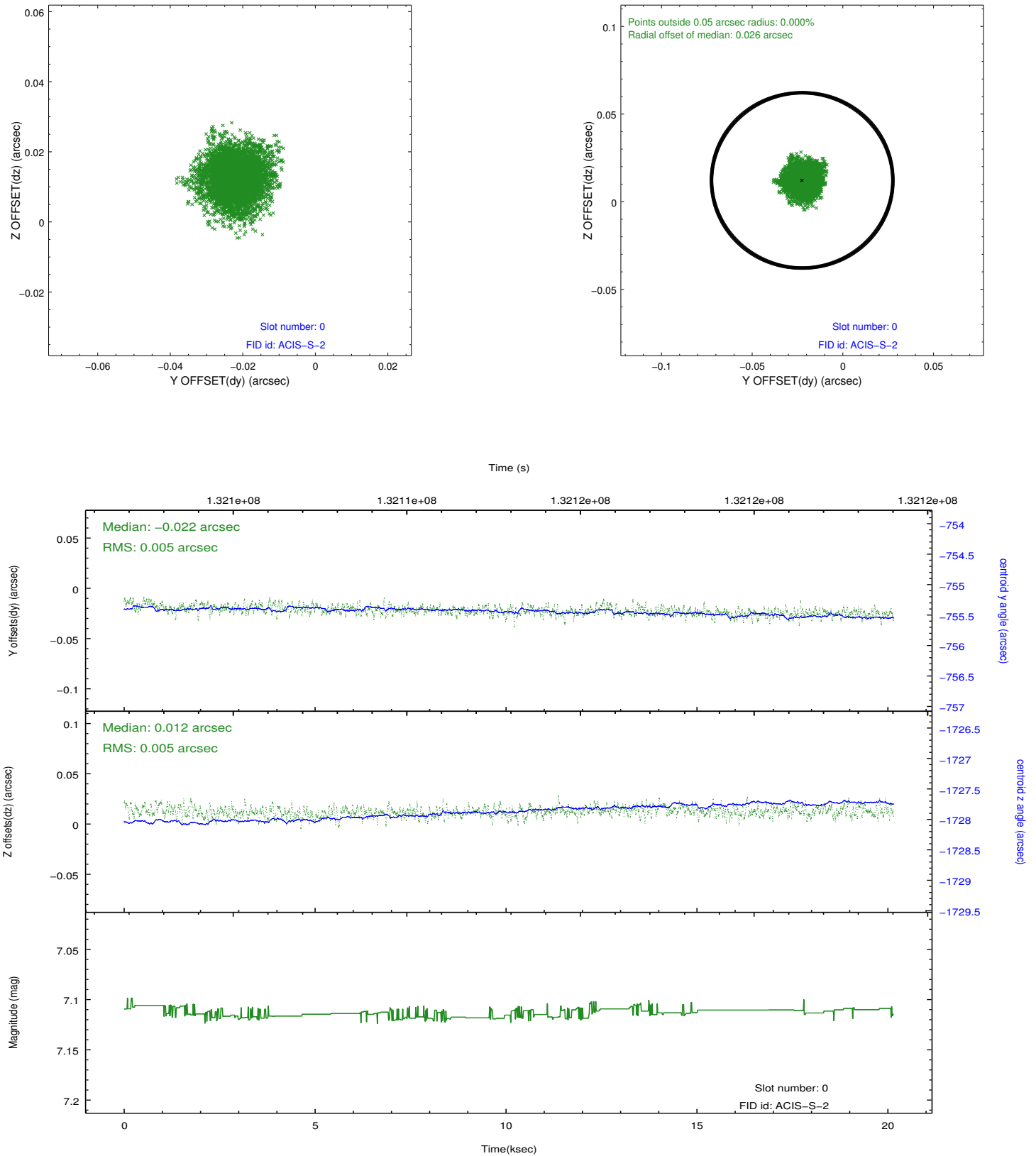


2.4.5 Slot 7

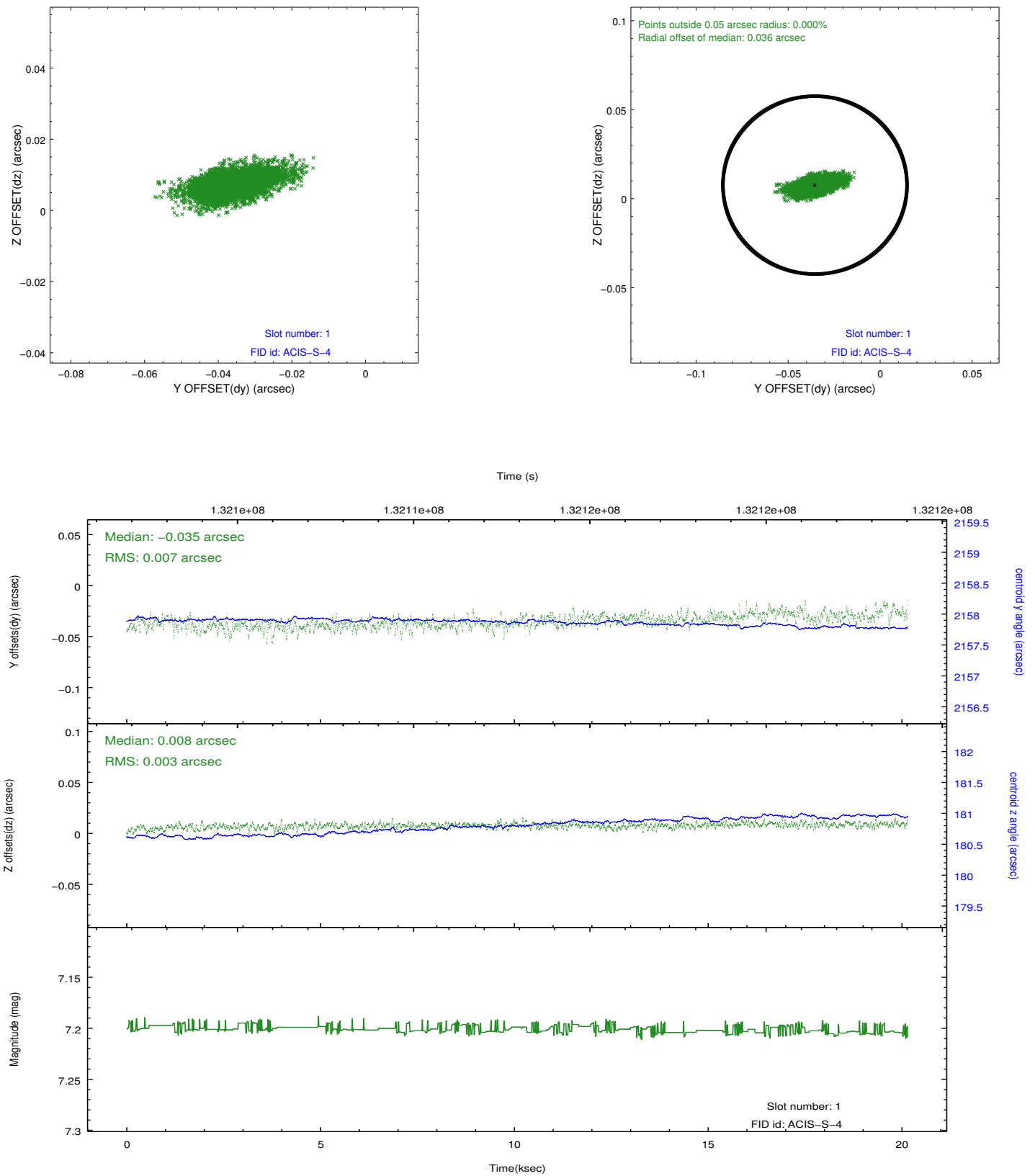


2.5 FID Slots

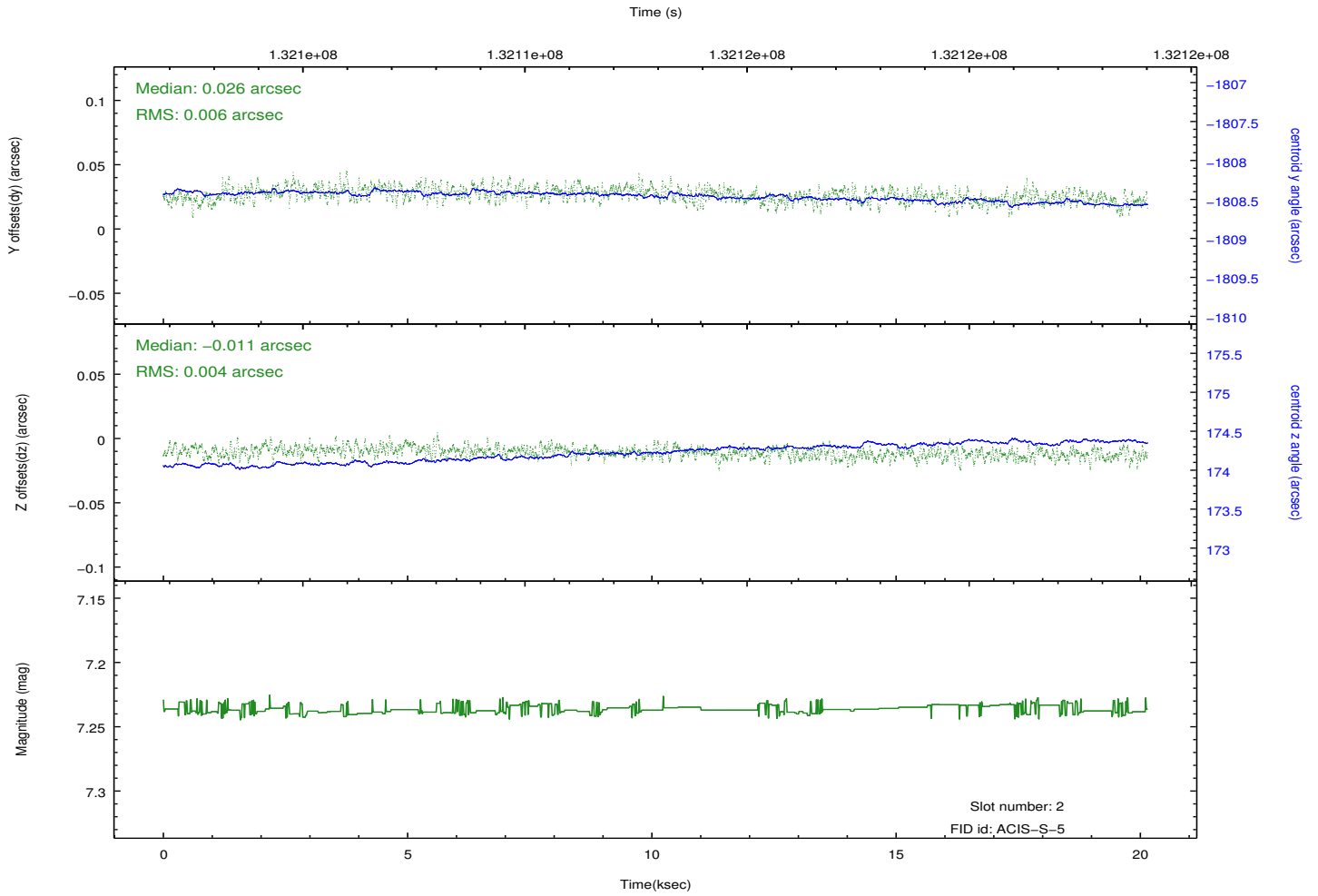
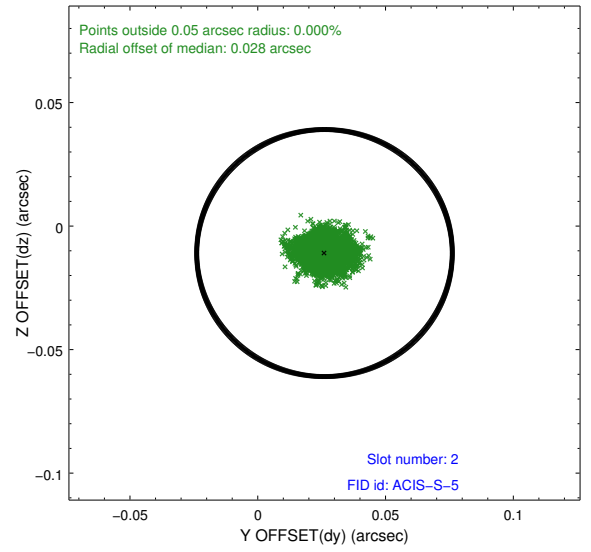
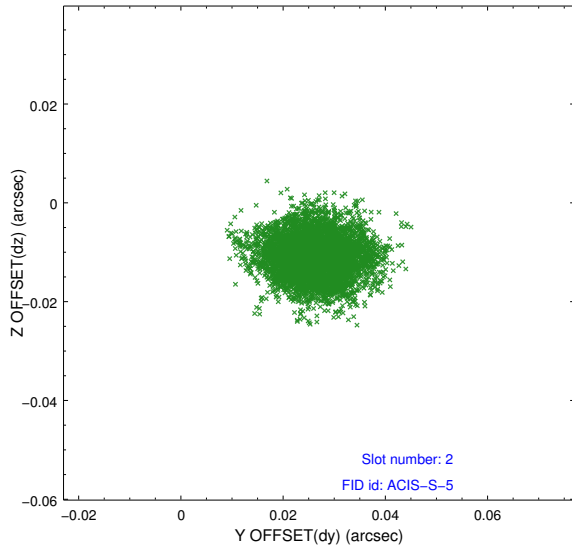
2.5.1 Slot 0



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)	2012.10.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.151

A.2 Comments