

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2934 - L2 Version 4
Chandra X-Ray Center

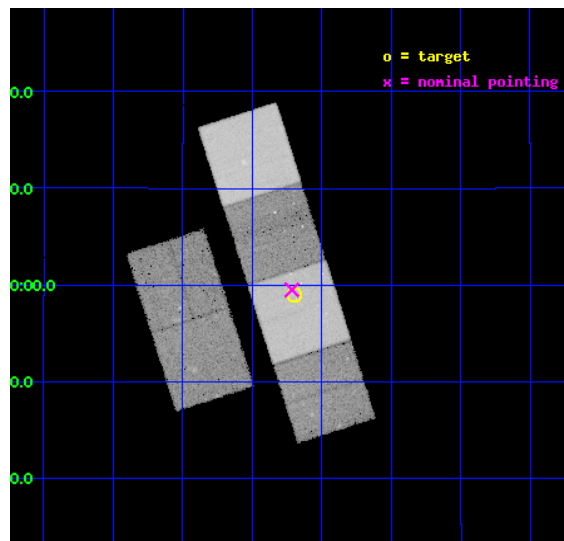
L2 Processing Date : Oct 20 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

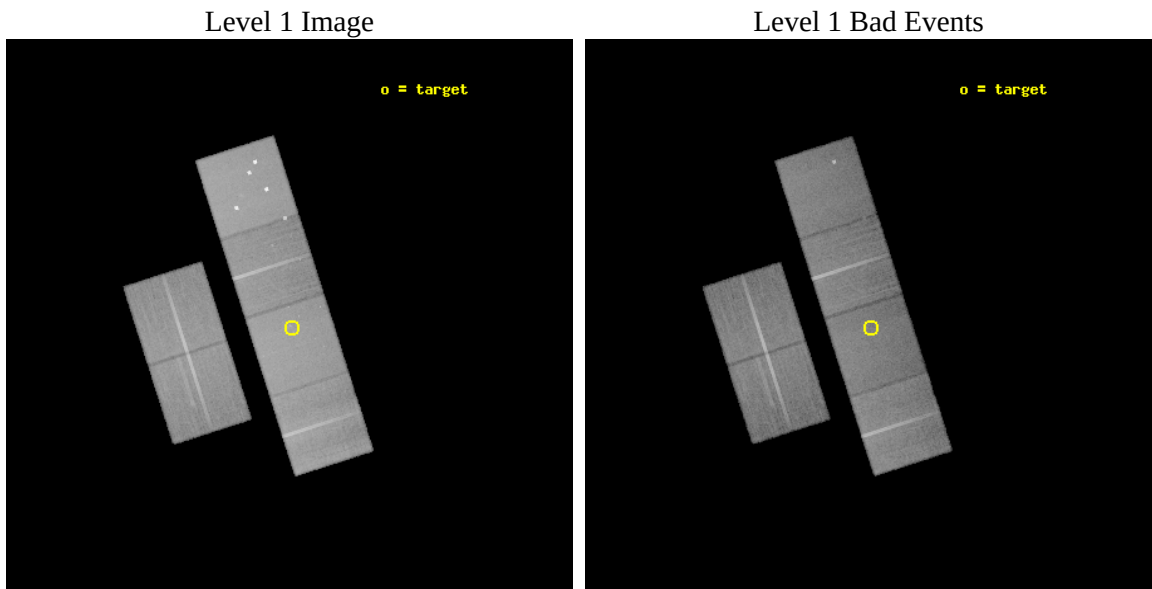
seq_num	600271	Sequence number
obs_id	2934	Observation id
title	A POSSIBLE NEW DISTANCE INDICATOR USING LOW MASS X-RAY BINARIES IN THE NEAREST EARLY-TYPE GALAXIES	Proposal title
observer	Professor JIMMY IRWIN	Principal investigator
object	NGC3377	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	161.924167	Observer's specified target RA [deg]
dec_targ	13.983333	Observer's specified target Dec [deg]
ra_nom	161.92881836906	Nominal RA [deg]
dec_nom	13.991861409149	Nominal Dec [deg]
roll_nom	72.228735437707	Nominal Roll [deg]
revision	4	Processing version of data
ontime	40150.399850428	Sum of GTIs [s]
livetime	39641.991311854	Livetime [s]
ontime2	40143.917899847	Sum of GTIs [s]
ontime3	40147.158870131	Sum of GTIs [s]
ontime5	40150.399850428	Sum of GTIs [s]
ontime6	40143.917869985	Sum of GTIs [s]
ontime7	40150.399850428	Sum of GTIs [s]
ontime8	40150.399850428	Sum of GTIs [s]
l2events	396682	Number of level 2 events



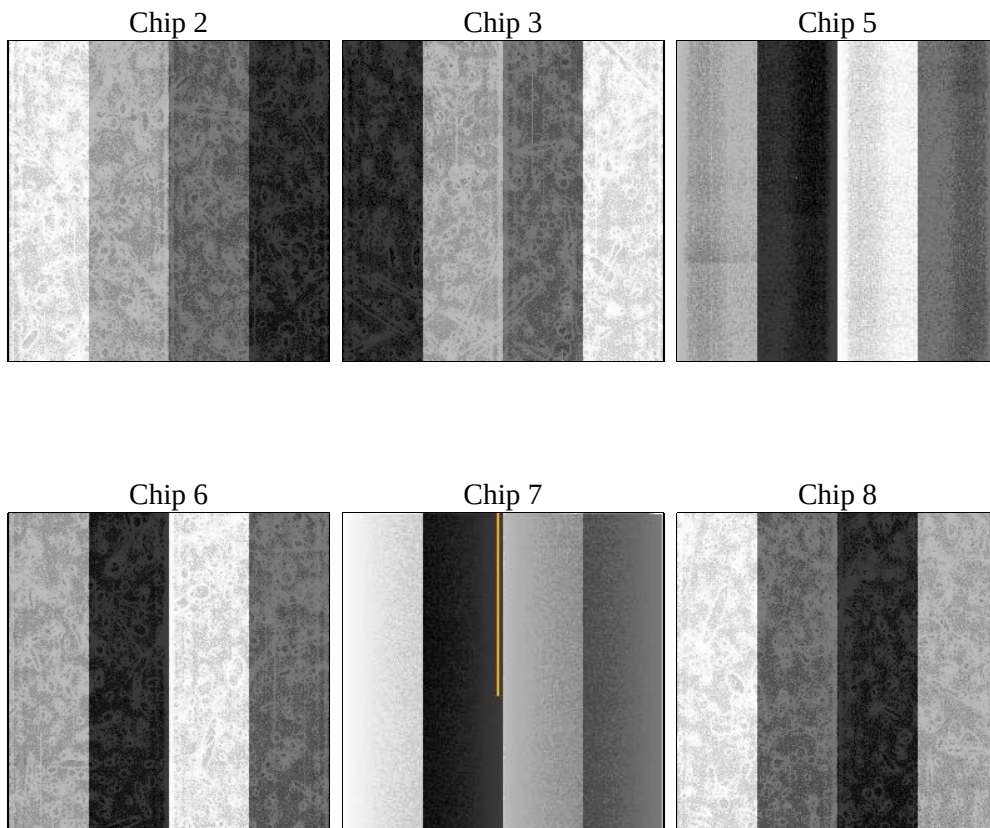
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	40000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	40150.399850428	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	40143.917899847	Sum of GTIs [s]
date	2012-10-20T17:09:10	Date and time of file creation	ontime3	40147.158870131	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	40150.399850428	Sum of GTIs [s]
			ontime6	40143.917869985	Sum of GTIs [s]
			ontime7	40150.399850428	Sum of GTIs [s]
			ontime8	40150.399850428	Sum of GTIs [s]
			l1events	1819539	Number of level 1 events

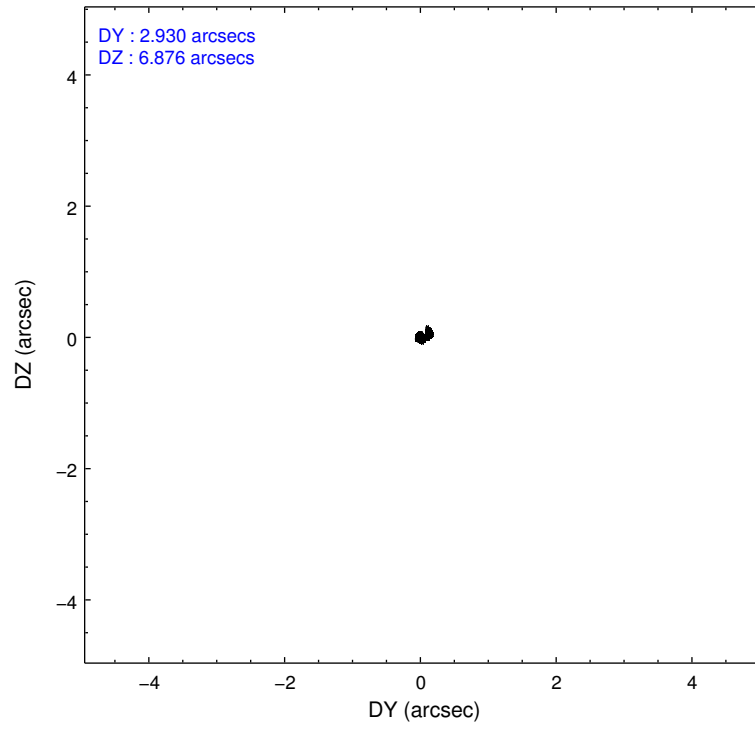
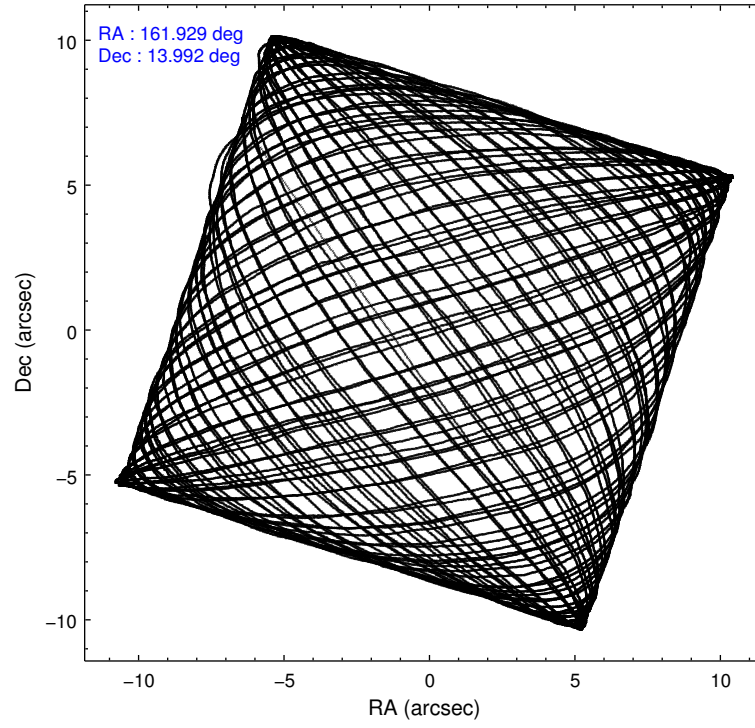
2.1.4 Events

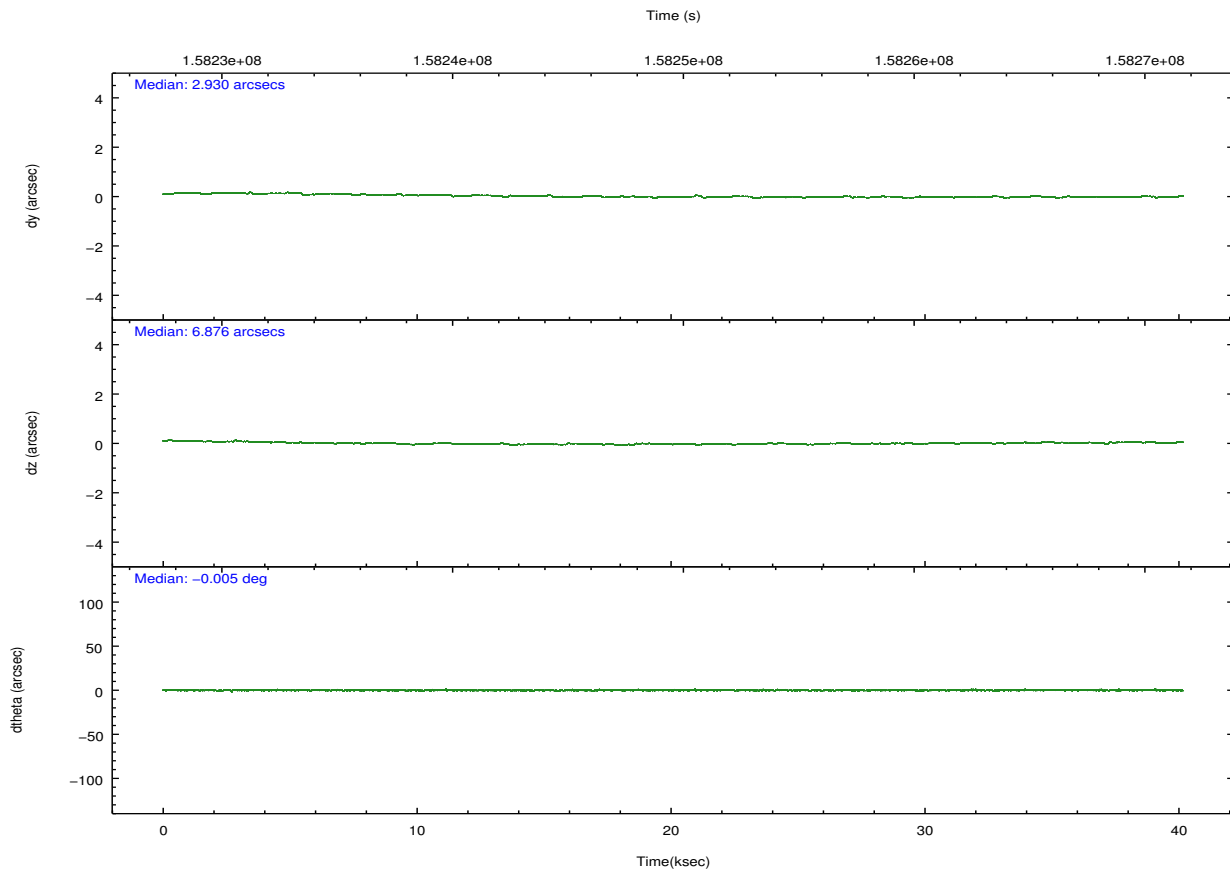
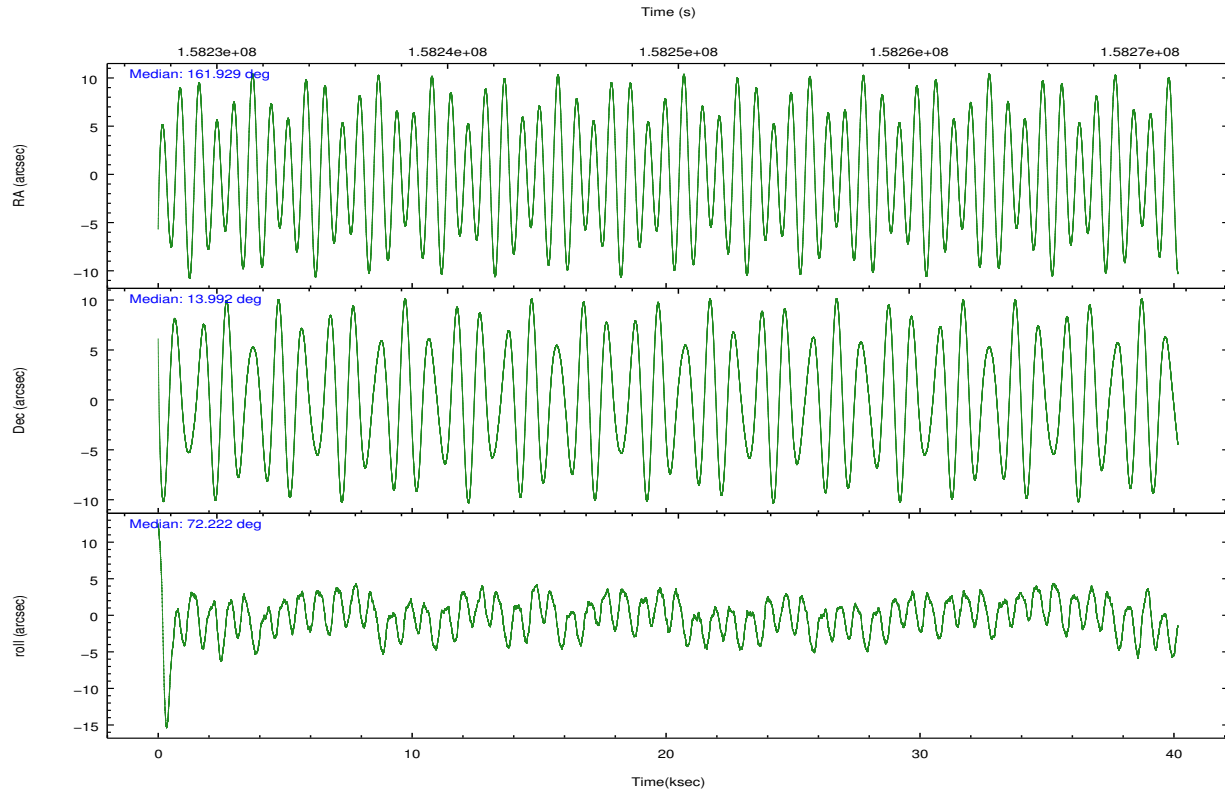
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	258986	246138	402438	258714	334731	318532	grade 0 events	12712	12667	50214	12086	12888	20861
rejected events	229834	217479	201118	228858	196200	253915		4%	5%	12%	4%	3%	6%
rejected %	88%	88%	49%	88%	58%	79%	grade 1 events	130	135	2585	112	315	194
								0%	0%	0%	0%	0%	0%
							grade 2 events	6020	5387	50540	6194	27739	14078
								2%	2%	12%	2%	8%	4%
							grade 3 events	2809	2873	6942	2900	12398	6907
								1%	1%	1%	1%	3%	2%
							grade 4 events	2850	2834	6620	2849	12288	6365
								1%	1%	1%	1%	3%	1%
							grade 5 events	9995	10399	27283	11483	32029	14858
								3%	4%	6%	4%	9%	4%
							grade 6 events	4786	4921	87176	5848	73302	16428
								1%	1%	21%	2%	21%	5%
							grade 7 events	219684	206922	171078	217242	163772	238841
								84%	84%	42%	83%	48%	74%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	161.935143	161.9288183690564	Subarray requested	NONE	NONE
[deg] Pointing Dec	13.965347	13.99186140914912	Alternating exposures requested	N	N
[deg] Pointing Roll	72.070582	72.22873543770729	[s] Primary exposure time	0.000000	3.2
[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)	158229629.184000	158228561.3866			
Observation start date	2003-01-06T08:39:25	2003-01-06T08:22:41			
[s] Observation end time (MET)	158269629.184000	158270192.78834			
Observation end date	2003-01-06T19:46:05	2003-01-06T19:56:32			
Read mode	TIMED	TIMED			

2.3 Aspect



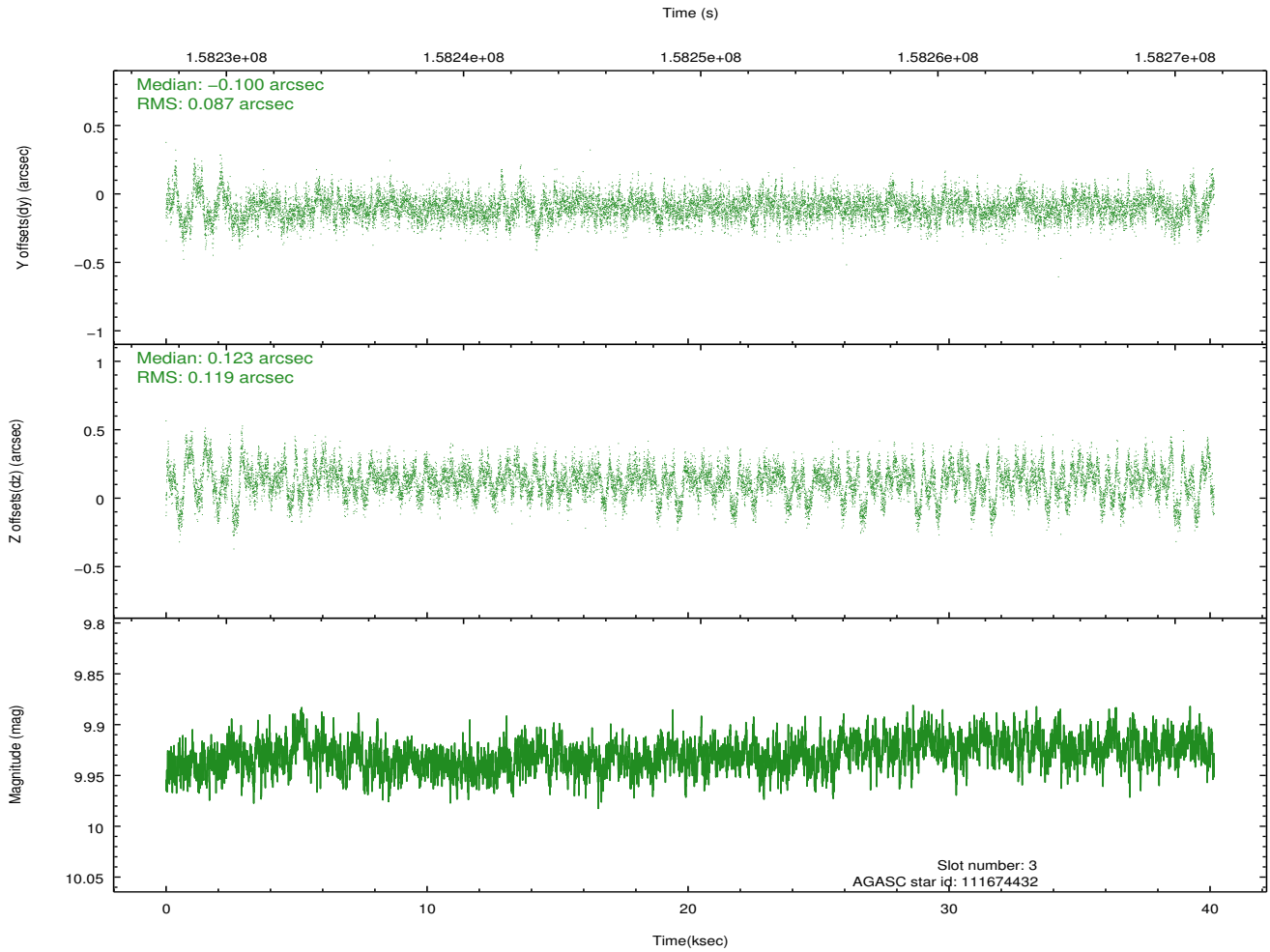
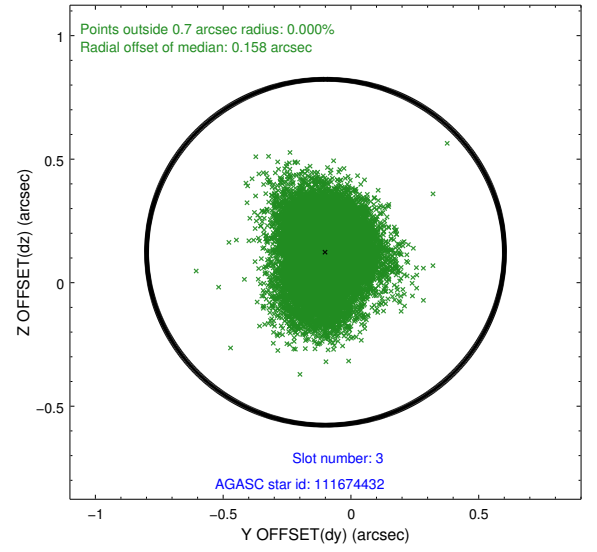
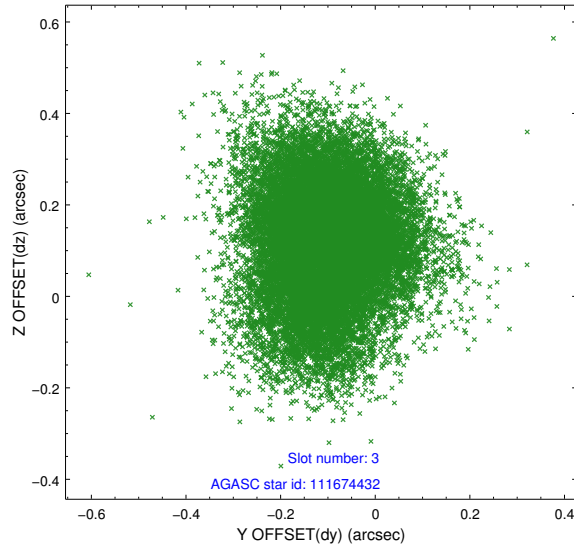


Slot Statistics

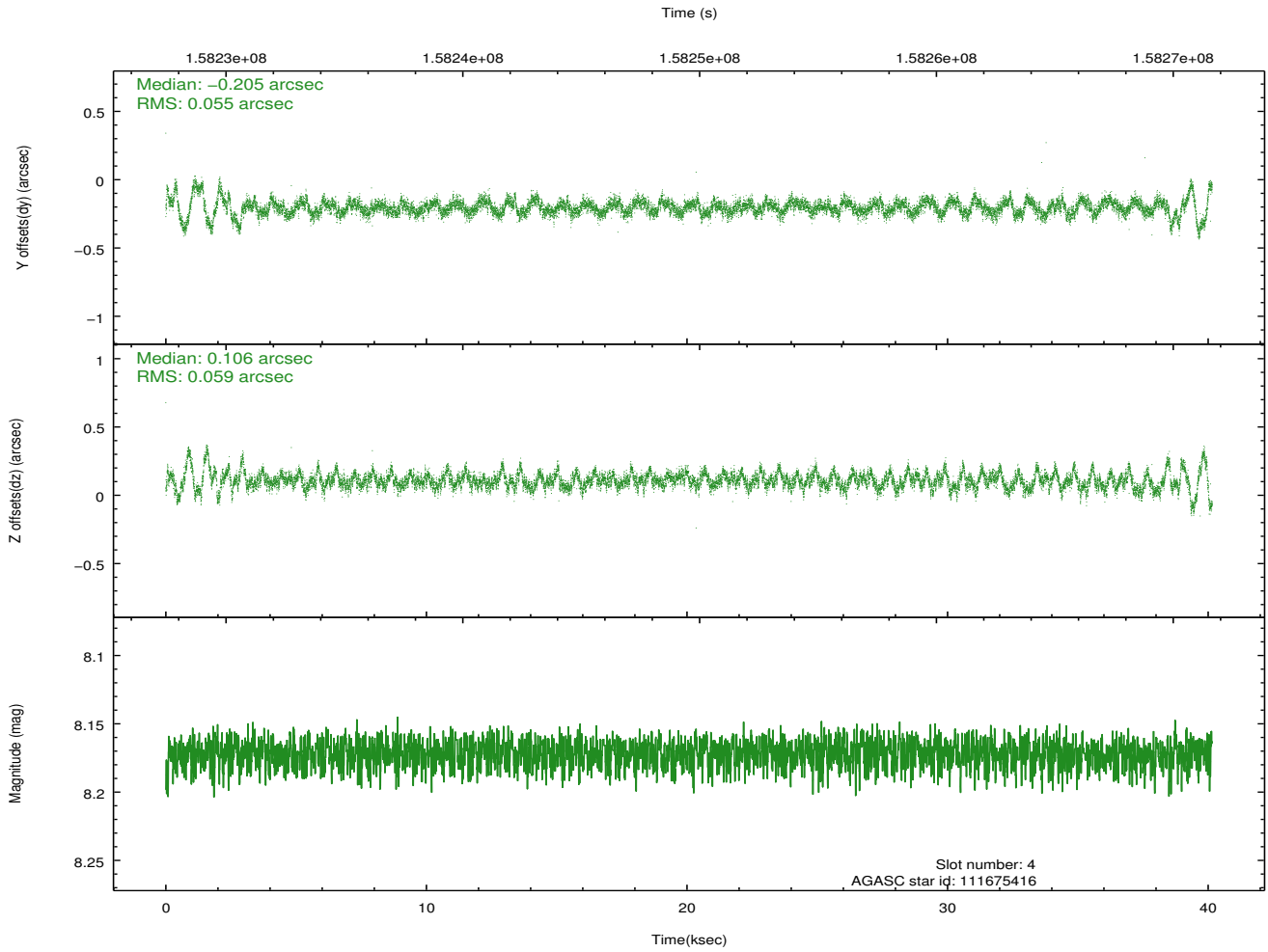
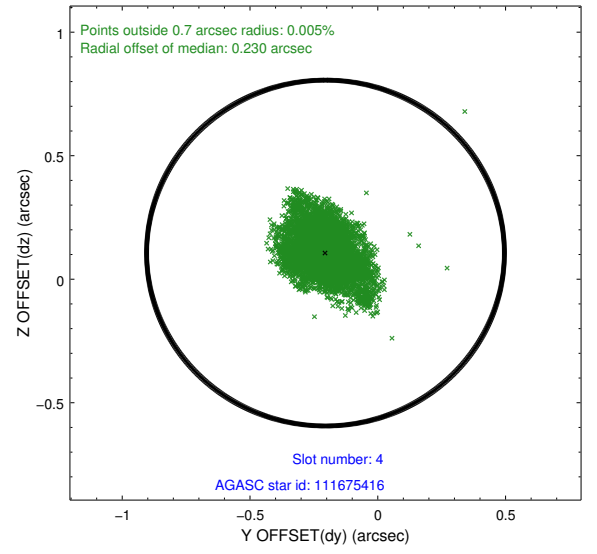
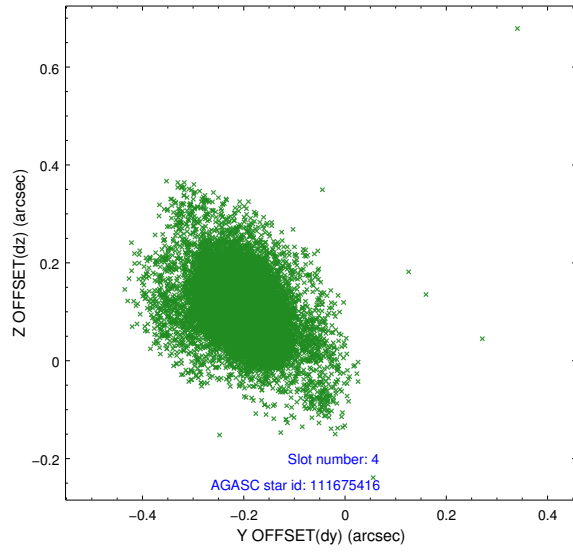
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	9794	-0.029	-0.004	0.007	0.013	0.000000	0.000000	-755.61	-1728.05
1	FID	ACIS-S-4	7.21	9792	0.003	0.015	0.006	0.011	0.000000	0.000000	2157.68	180.46
2	FID	ACIS-S-5	7.24	9793	-0.005	-0.002	0.007	0.011	0.000000	0.000000	-1808.42	174.09
3	GUIDE	111674432	9.93	19581	-0.100	0.123	0.155	0.262	162.395995	14.201794	1306.70	-1267.13
4	GUIDE	111675416	8.17	19589	-0.205	0.106	0.076	0.156	162.486800	14.282305	1680.46	-1478.70
5	GUIDE	111683520	8.65	19587	0.136	-0.193	0.083	0.152	161.788539	13.663820	-1190.18	153.54
6	GUIDE	111677568	10.15	19573	0.234	-0.151	0.169	0.293	161.080914	13.552165	-2330.58	2388.09
7	GUIDE	111674872	10.21	19504	-0.070	0.110	0.228	0.637	162.587476	14.320410	1919.85	-1769.77

2.4 Star Slots

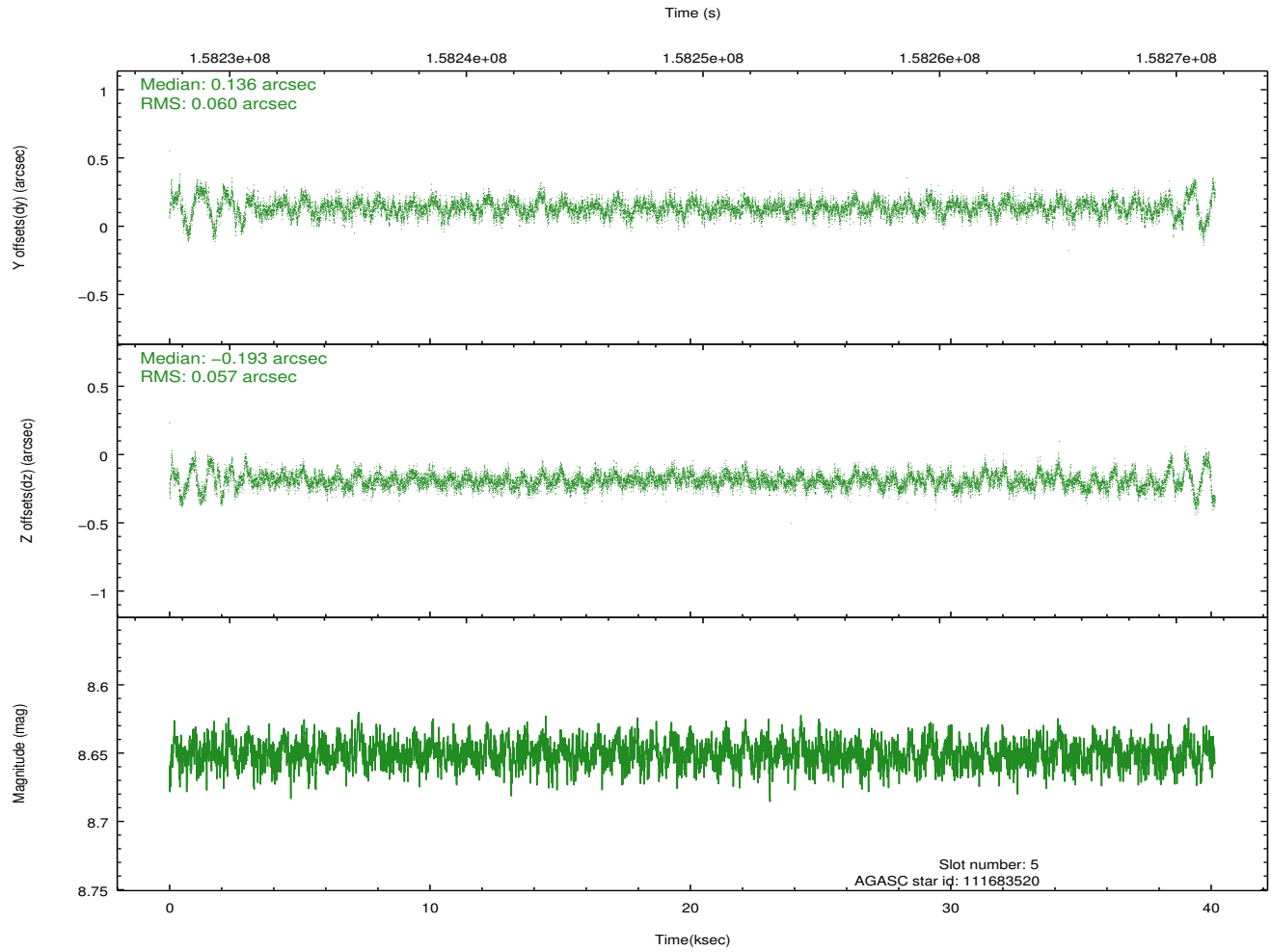
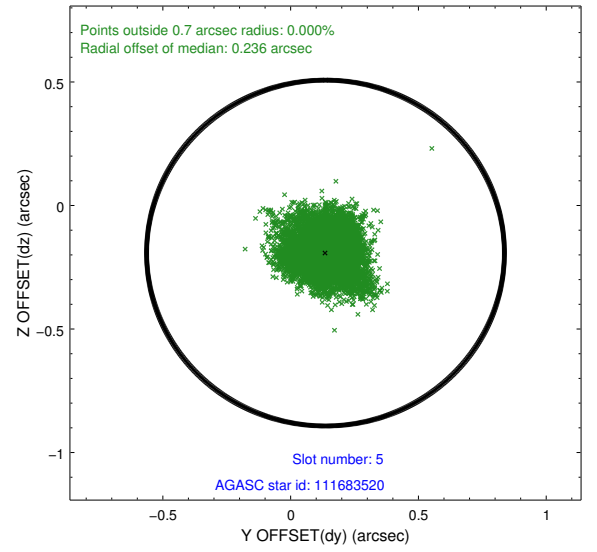
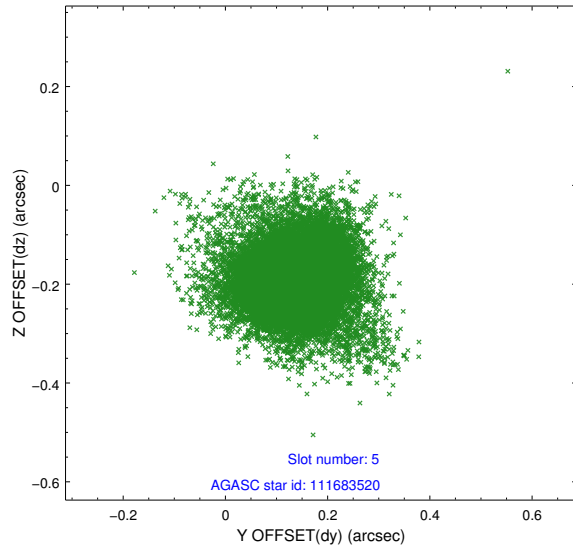
2.4.1 Slot 3



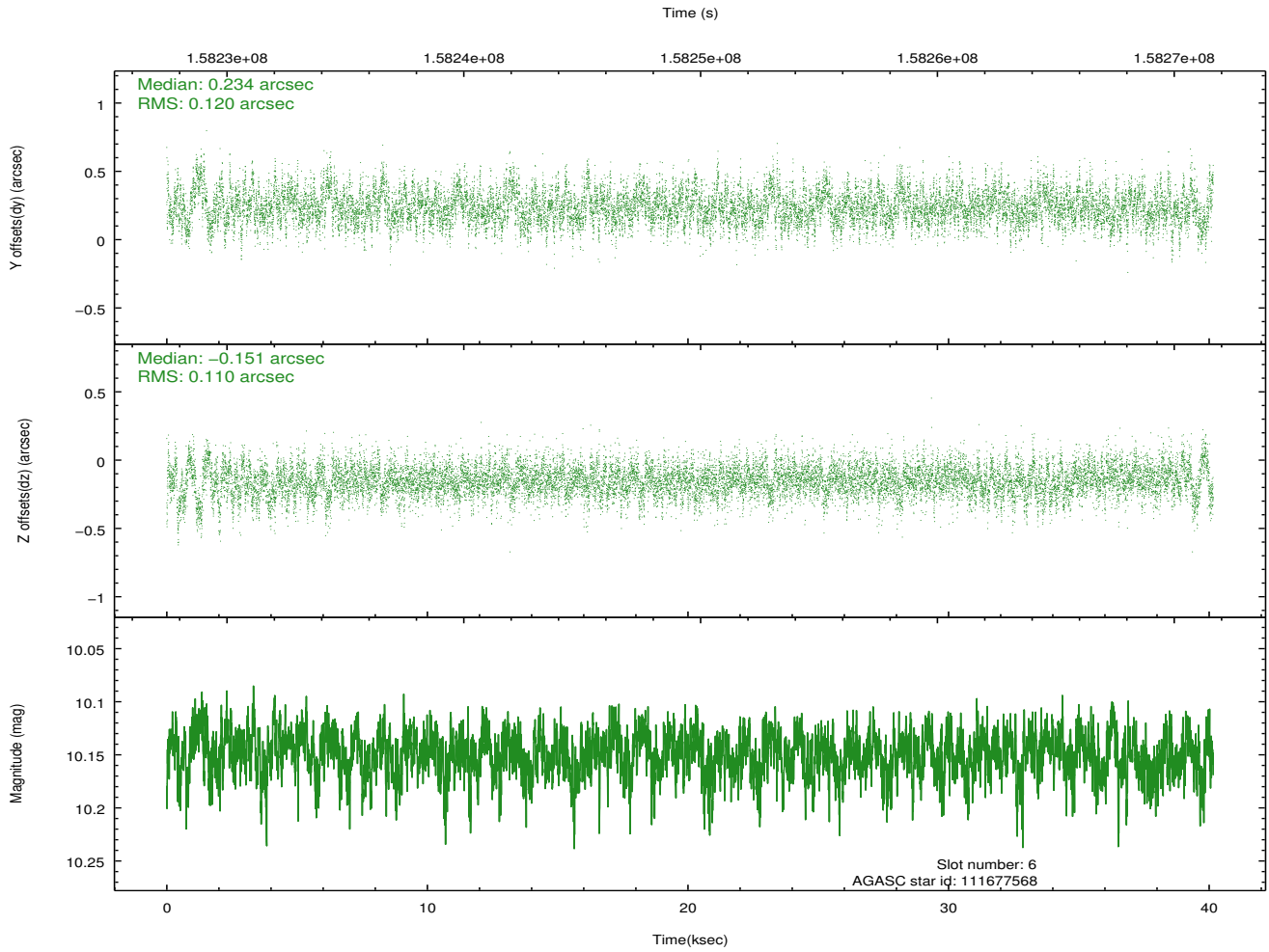
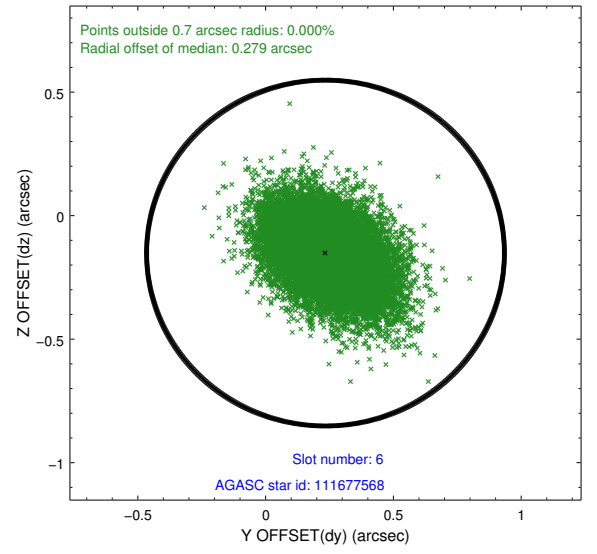
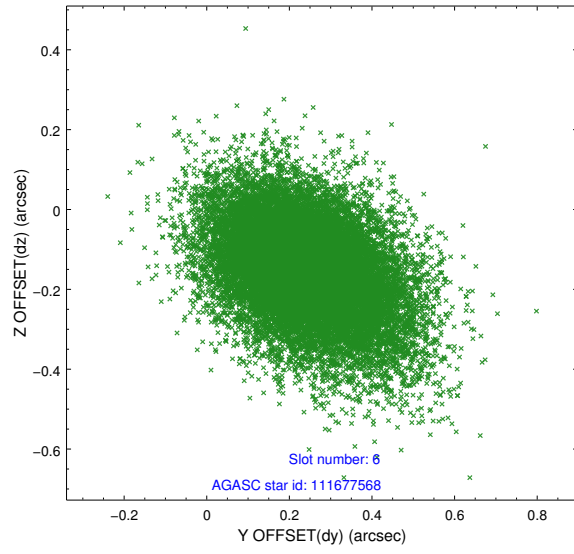
2.4.2 Slot 4



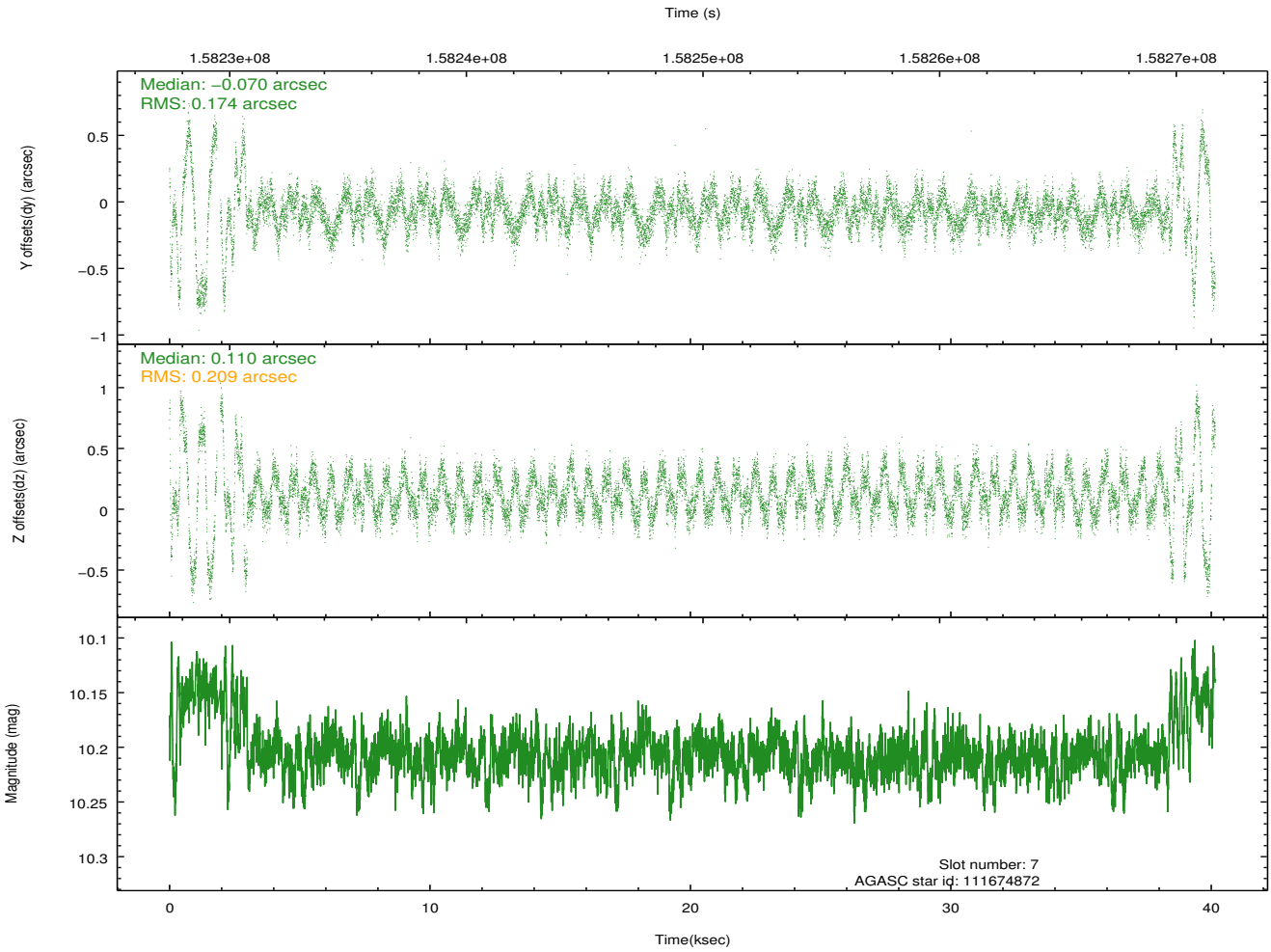
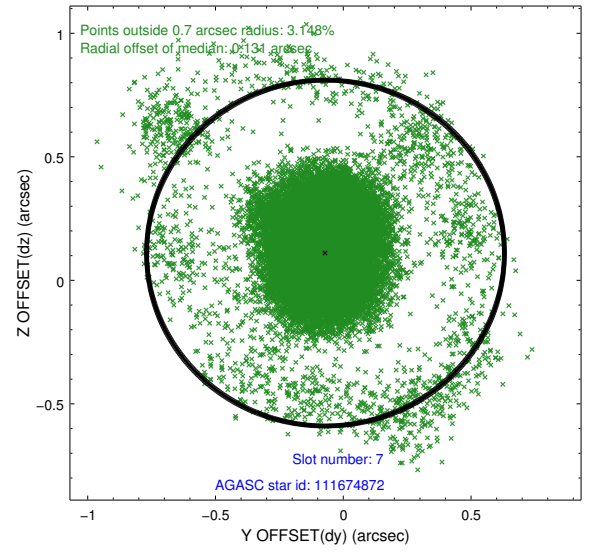
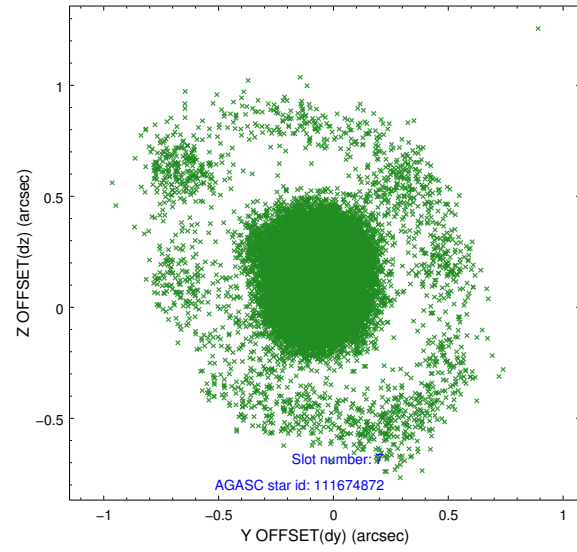
2.4.3 Slot 5



2.4.4 Slot 6

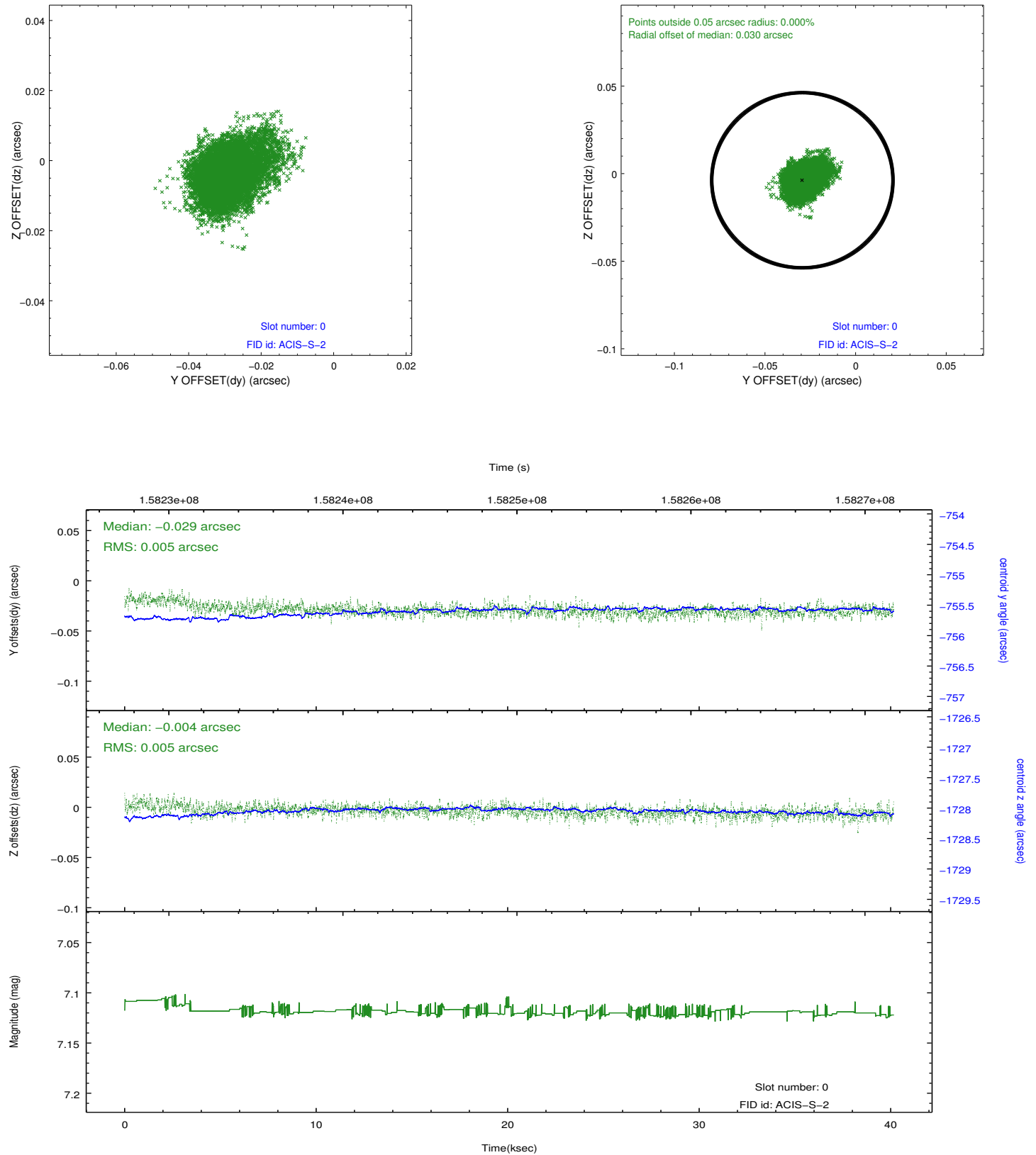


2.4.5 Slot 7

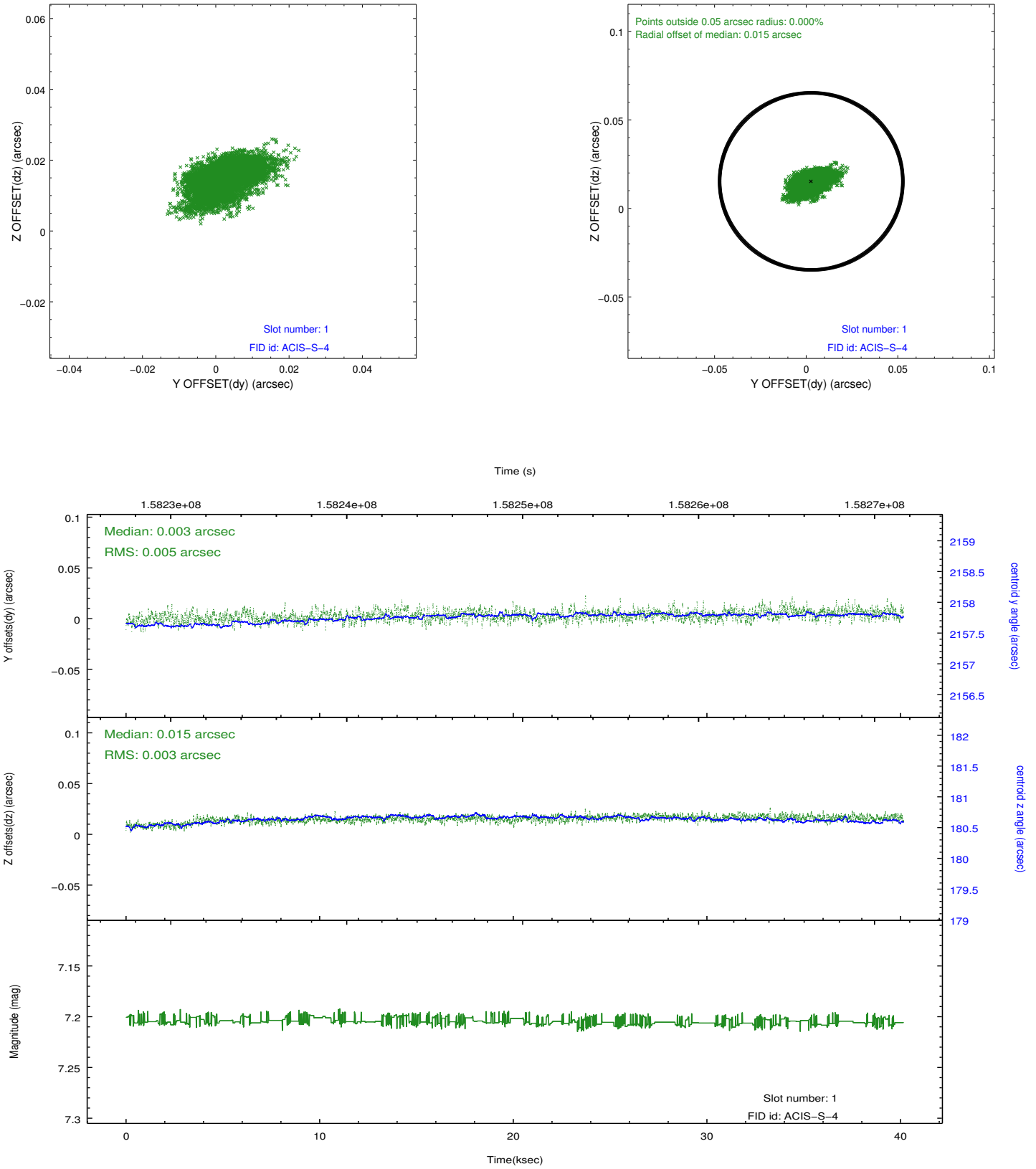


2.5 FID Slots

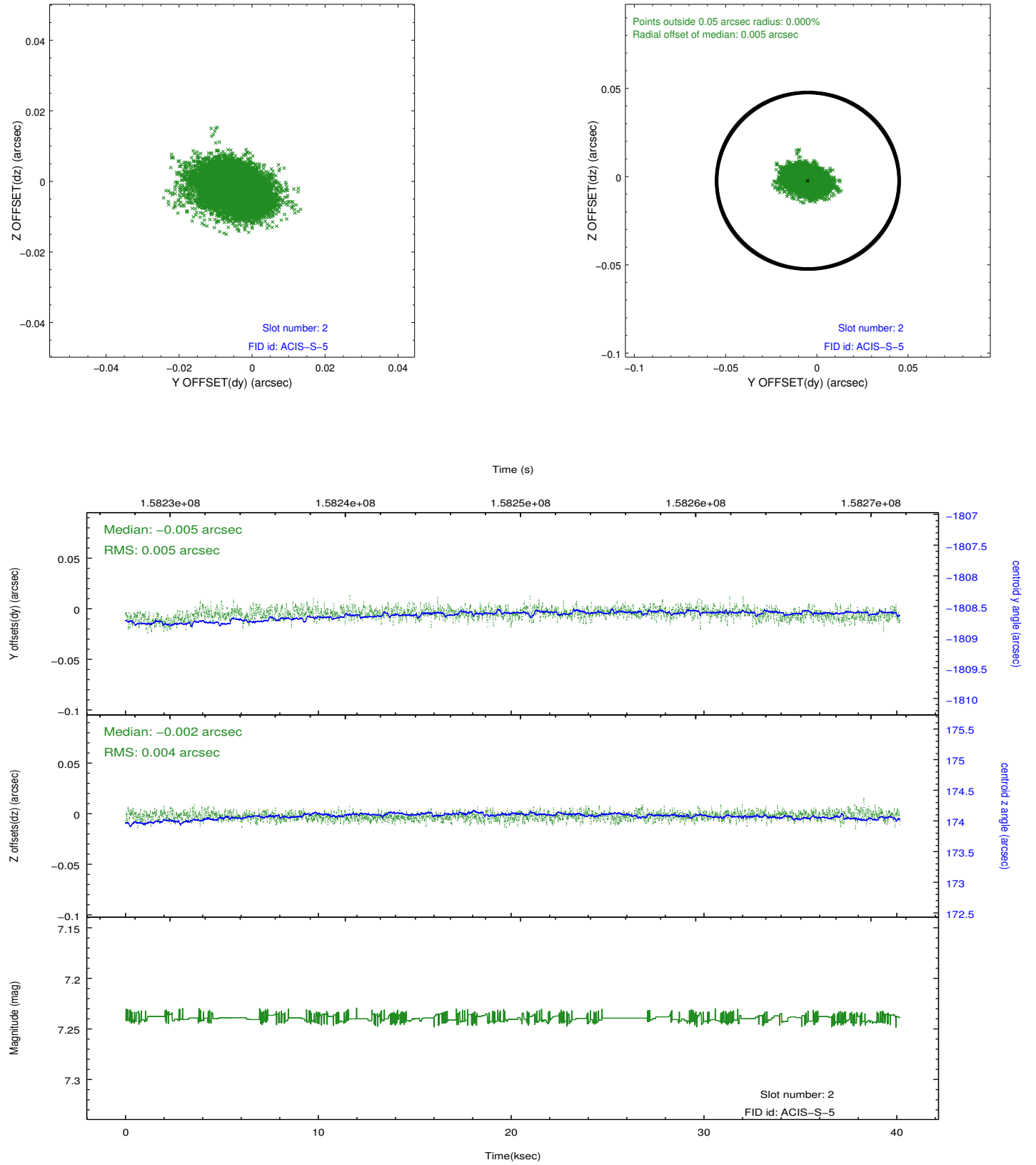
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.11.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.15

A.2 Comments