

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4088 - L2 Version 3
Chandra X-Ray Center

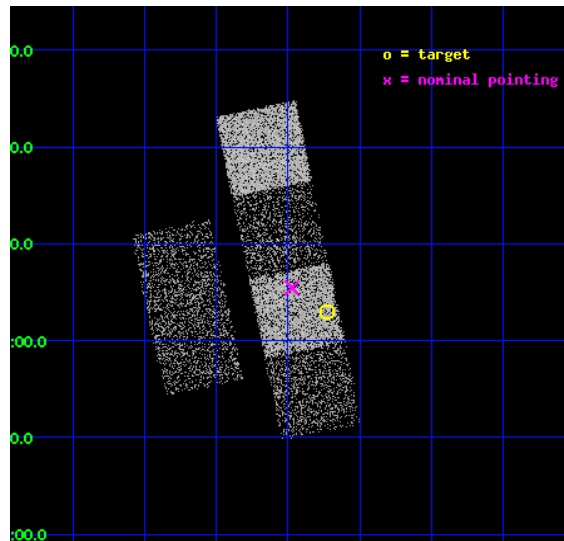
L2 Processing Date : Oct 24 2012

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

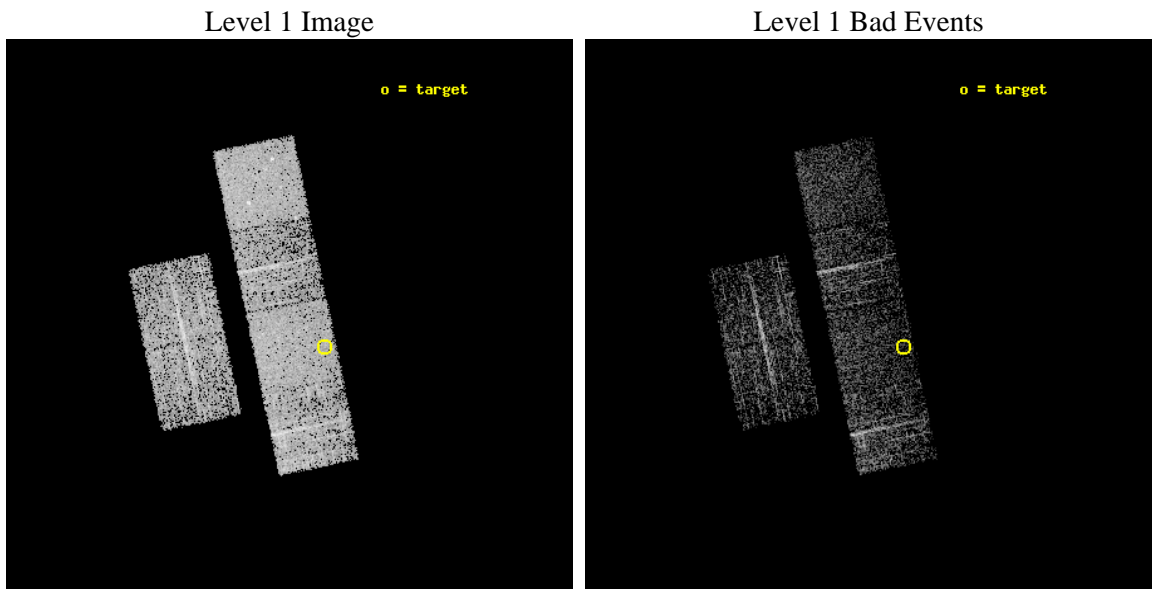
seq_num	700767	Sequence number
obs_id	4088	Observation id
title	ARE ALL NARROW-LINE SEYFERT 1S ULTRASOFT X-RAY SOURCES?	Proposal t
observer	Prof RICHARD POGGE	Principal investigator
object	SDSS J125943.59+010255.1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	194.931667	Observer's specified target RA [deg]
dec_targ	1.048639	Observer's specified target Dec [deg]
ra_nom	194.99321571878	Nominal RA [deg]
dec_nom	1.090871149178	Nominal Dec [deg]
roll_nom	78.273170139562	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1958.3999927044	Sum of GTIs [s]
livetime	1933.6015527899	Livetime [s]
ontime2	1958.3999927044	Sum of GTIs [s]
ontime3	1958.3999927044	Sum of GTIs [s]
ontime5	1958.3999927044	Sum of GTIs [s]
ontime6	1958.3999927044	Sum of GTIs [s]
ontime7	1958.3999927044	Sum of GTIs [s]
ontime8	1958.3999927044	Sum of GTIs [s]
l2events	20106	Number of level 2 events



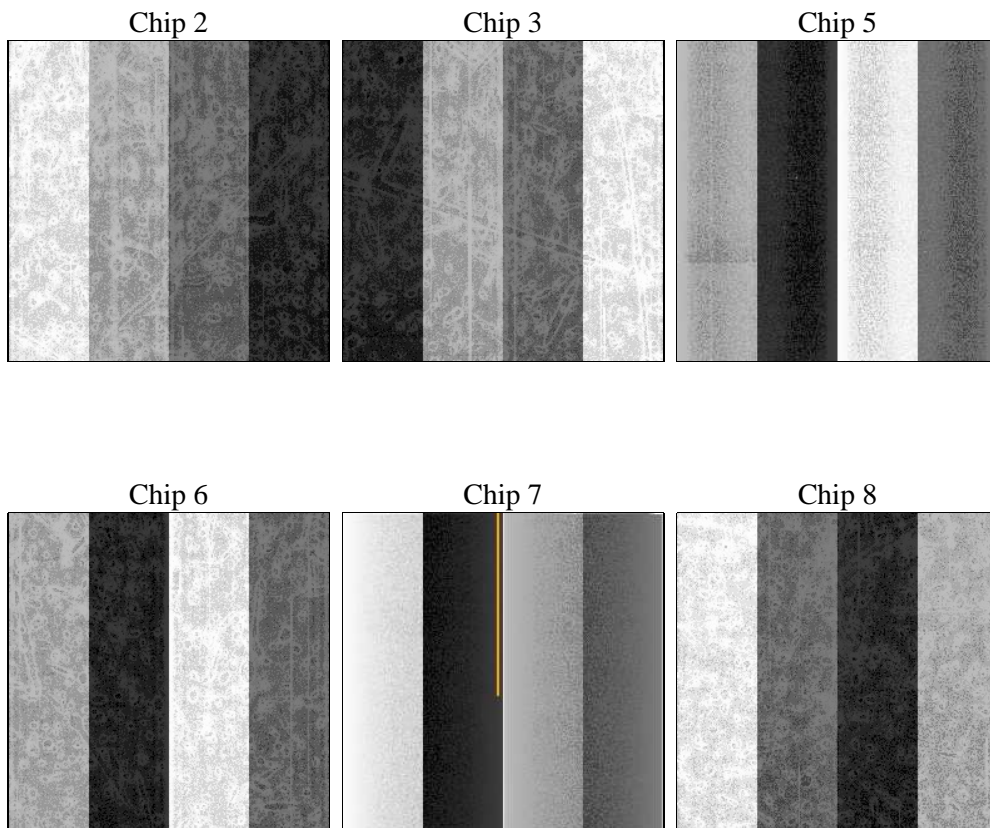
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1958.3999927044	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	1958.3999927044	Sum of GTIs [s]
date	2012-10-24T12:48:59	Date and time of file creation	ontime3	1958.3999927044	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	1958.3999927044	Sum of GTIs [s]
			ontime6	1958.3999927044	Sum of GTIs [s]
			ontime7	1958.3999927044	Sum of GTIs [s]
			ontime8	1958.3999927044	Sum of GTIs [s]
			l1events	89051	Number of level 1 events

2.1.4 Events

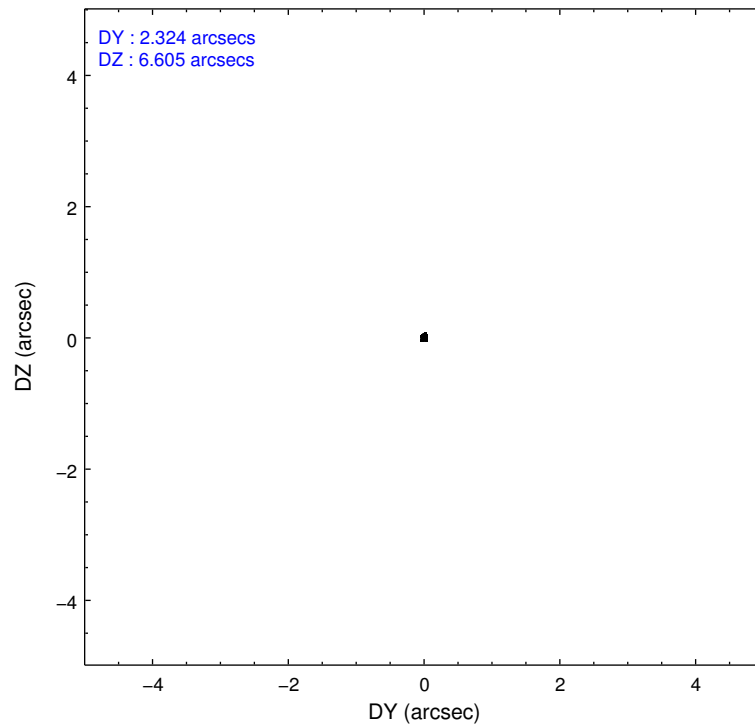
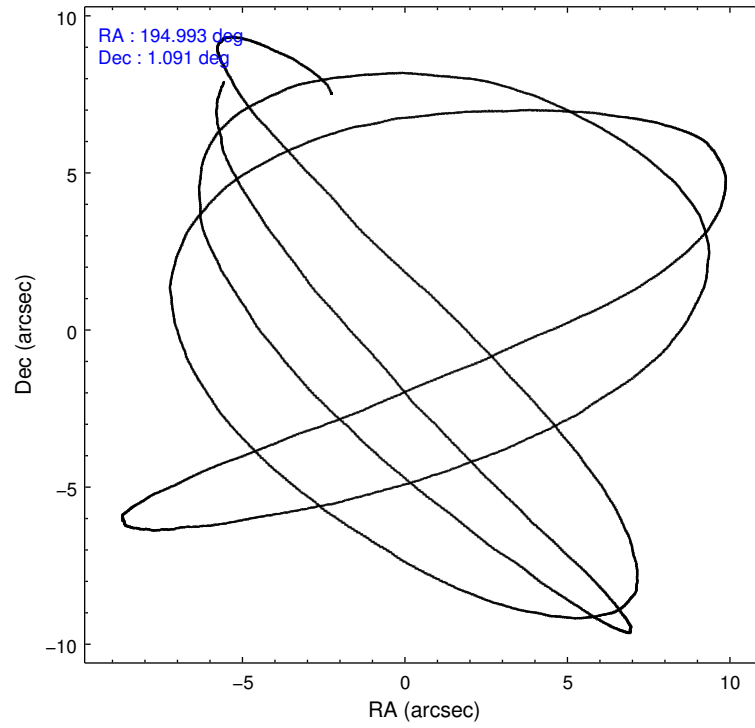
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	13029	12297	18478	12564	16447	16236
rejected events	11443	10811	9860	11012	9613	12874
rejected %	87%	87%	53%	87%	58%	79%

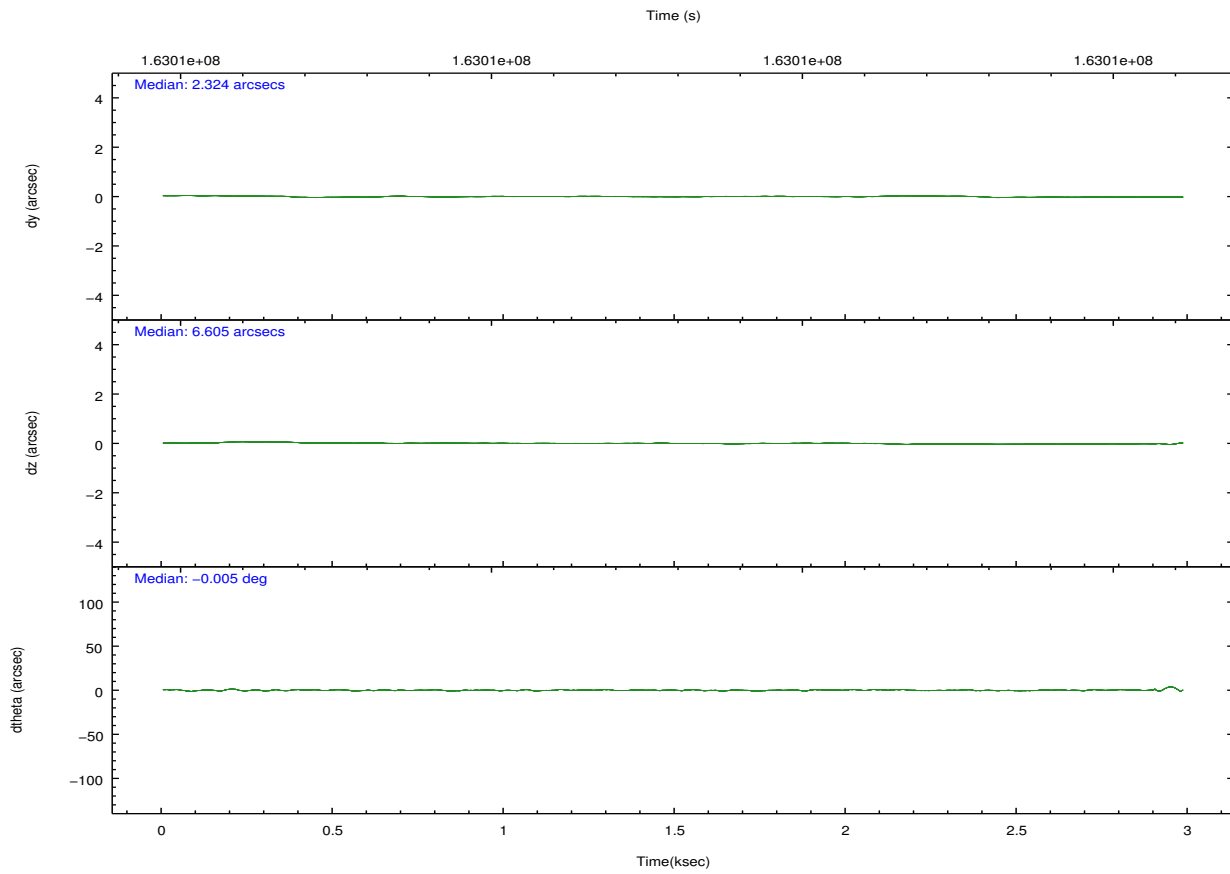
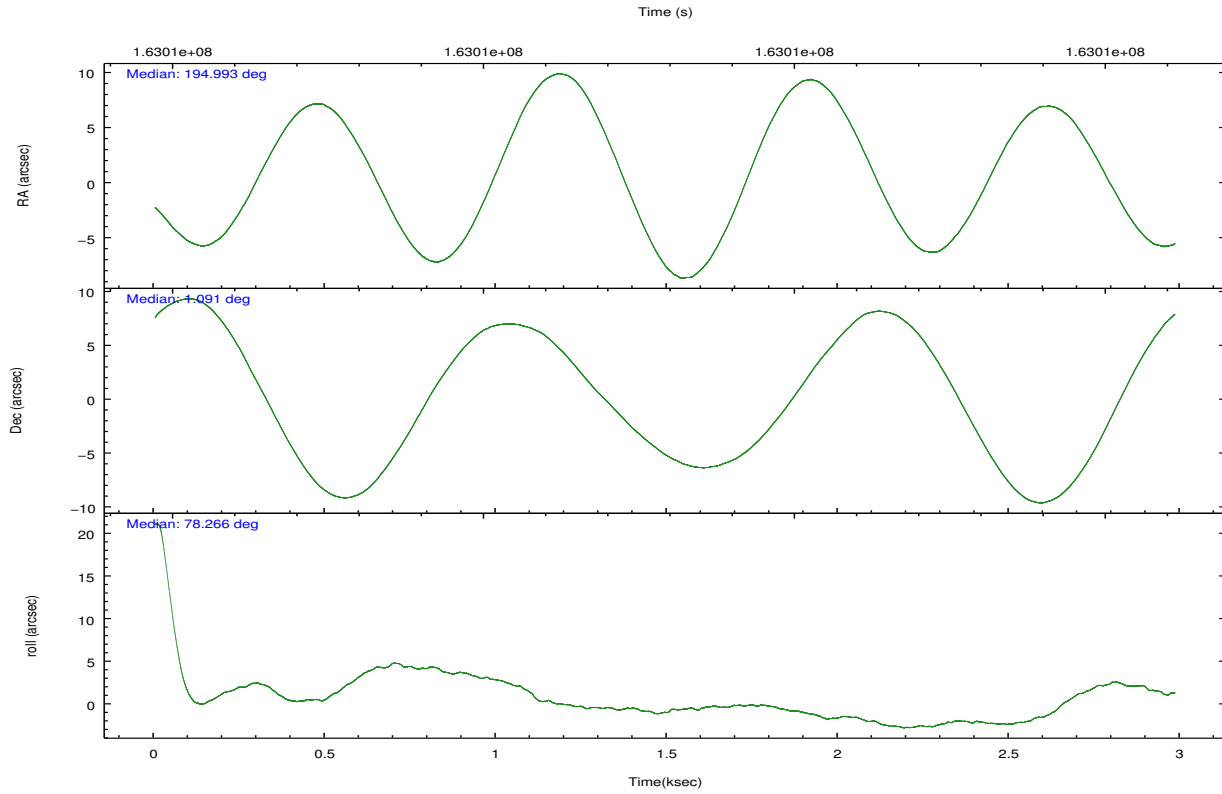
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	769	718	947	632	654	1087
	5%	5%	5%	5%	3%	6%
grade 1 events	11	8	37	4	27	10
	0%	0%	0%	0%	0%	0%
grade 2 events	295	262	2578	327	1333	769
	2%	2%	13%	2%	8%	4%
grade 3 events	146	145	354	156	654	387
	1%	1%	1%	1%	3%	2%
grade 4 events	120	157	318	160	573	320
	0%	1%	1%	1%	3%	1%
grade 5 events	539	556	1370	563	1607	745
	4%	4%	7%	4%	9%	4%
grade 6 events	264	208	4447	282	3636	802
	2%	1%	24%	2%	22%	4%
grade 7 events	10885	10243	8427	10440	7963	12116
	83%	83%	45%	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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	195.002254	194.9932157187843	Subarray requested	NONE	NONE
[deg] Pointing Dec	1.065134	1.090871149177993	Alternating exposures requested	N	N
[deg] Pointing Roll	78.116363	78.27317013956217	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	163008077.184000	163006717.98703			
Observation start date	2003-03-02T16:00:13	2003-03-02T15:38:37			
[s] Observation end time (MET)	163010077.184000	163010276.27468			
Observation end date	2003-03-02T16:33:33	2003-03-02T16:37:56			
Read mode	TIMED	TIMED			

2.3 Aspect



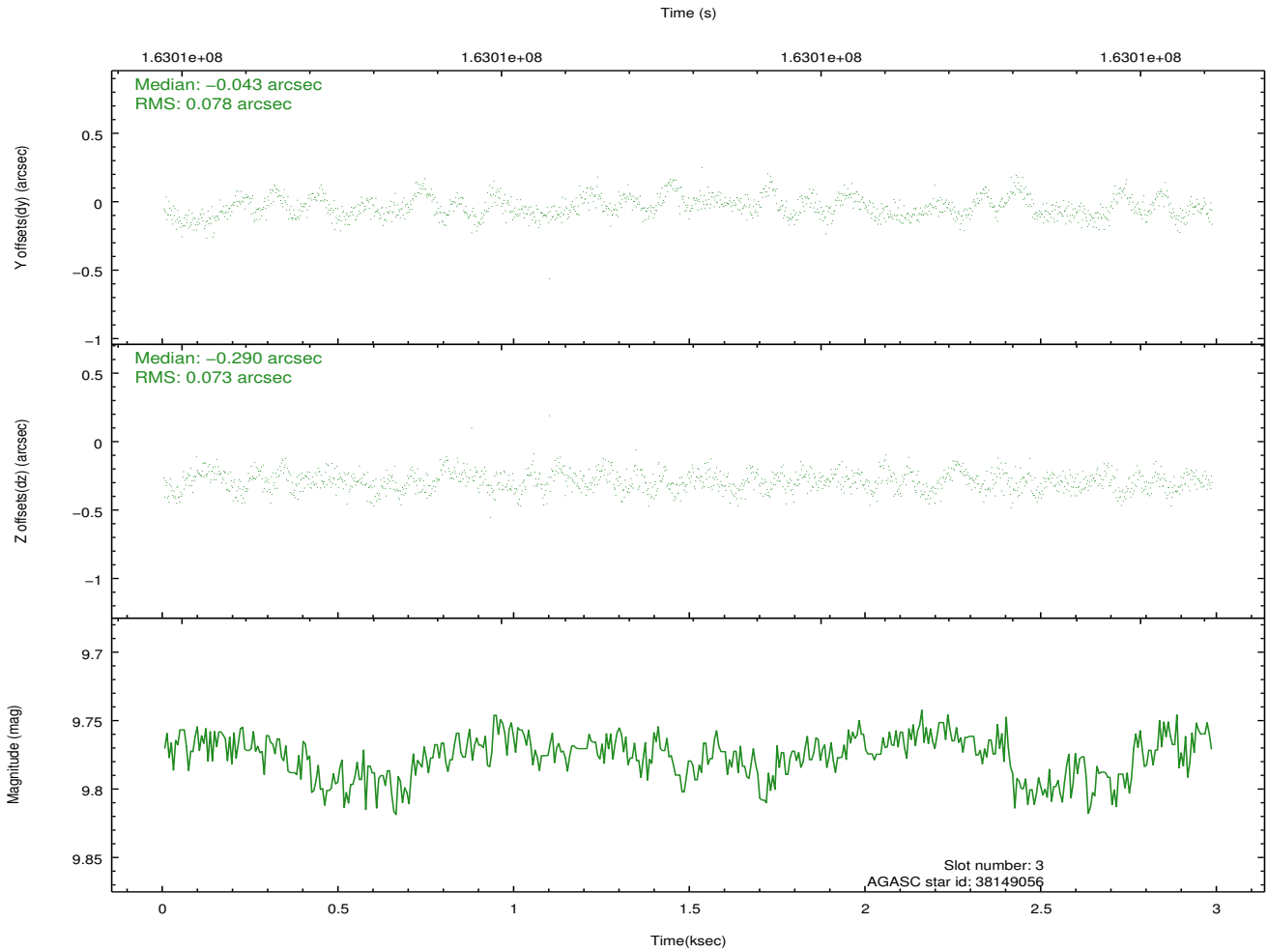
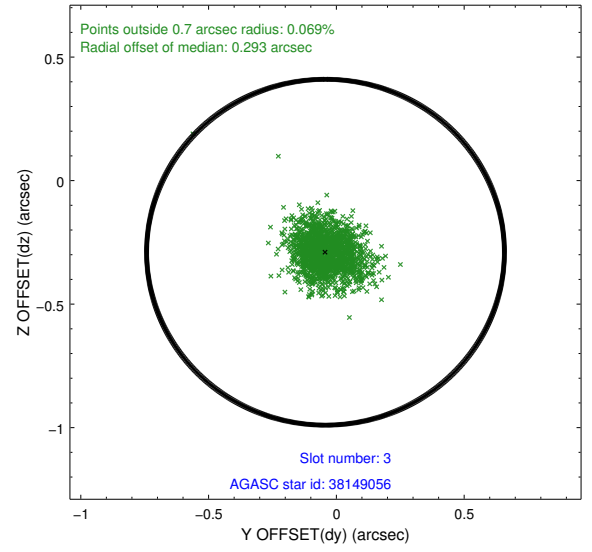
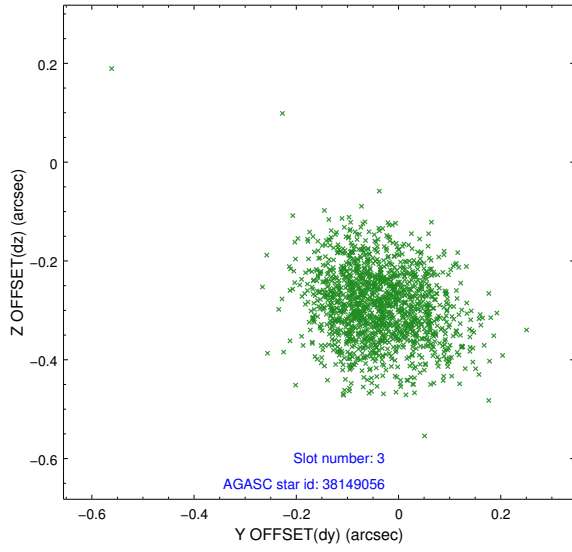


Slot Statistics

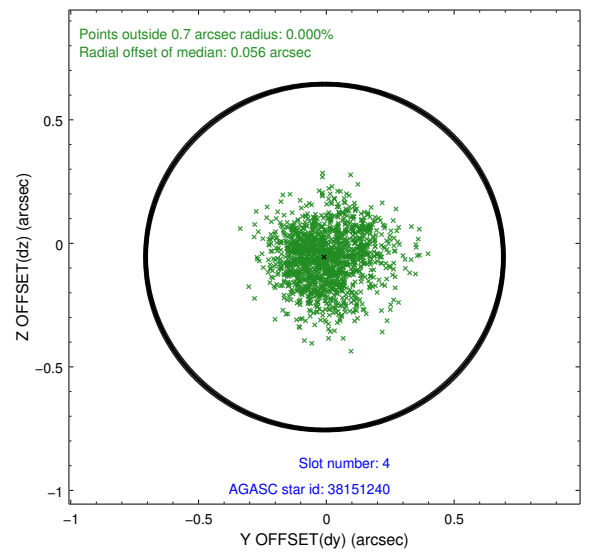
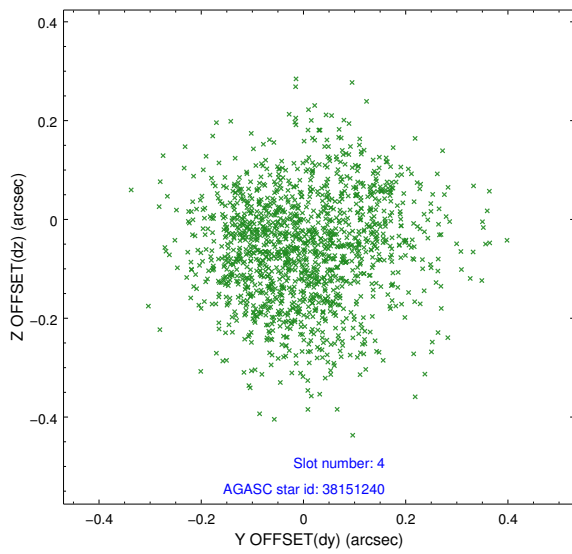
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	728	-0.025	-0.011	0.005	0.009	0.000000	0.000000	-754.95	-1727.73
1	FID	ACIS-S-4	7.21	728	0.003	0.017	0.006	0.010	0.000000	0.000000	2157.37	178.61
2	FID	ACIS-S-6	7.36	728	-0.005	0.001	0.007	0.011	0.000000	0.000000	409.79	818.41
3	GUIDE	38149056	9.78	1455	-0.043	-0.290	0.112	0.184	194.359026	1.178810	-76.06	2349.06
4	GUIDE	38151240	10.36	1455	-0.007	-0.056	0.170	0.273	194.961235	1.267328	682.05	295.61
5	GUIDE	38151376	10.15	1456	0.011	-0.054	0.140	0.232	194.629344	1.133191	-36.00	1363.60
6	GUIDE	39064944	8.02	1456	0.064	0.192	0.073	0.118	195.513486	0.405733	-1943.32	-2289.46
7	GUIDE	39065216	8.37	1452	-0.035	0.223	0.065	0.102	195.117040	1.247762	727.38	-270.74

2.4 Star Slots

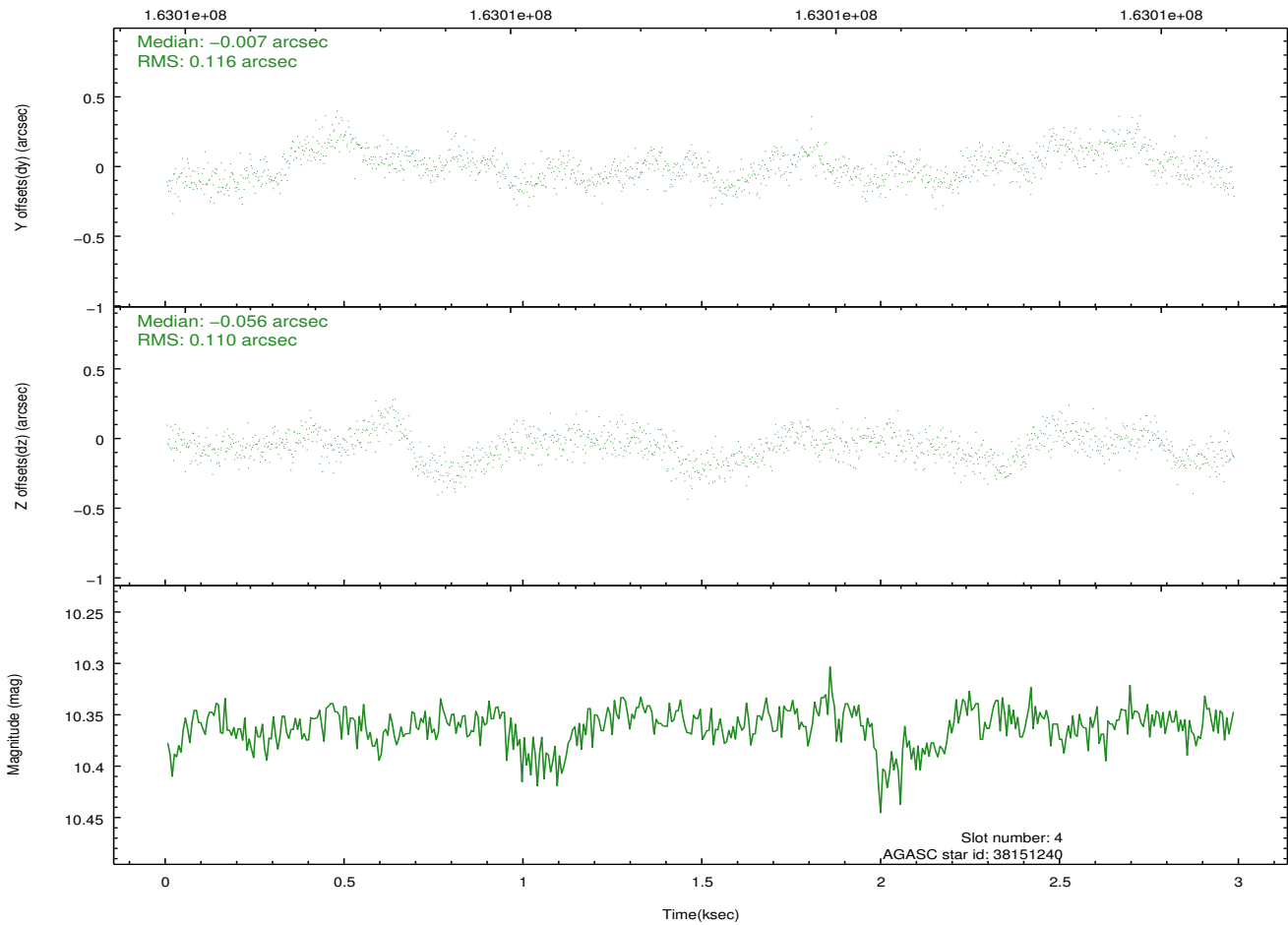
2.4.1 Slot 3



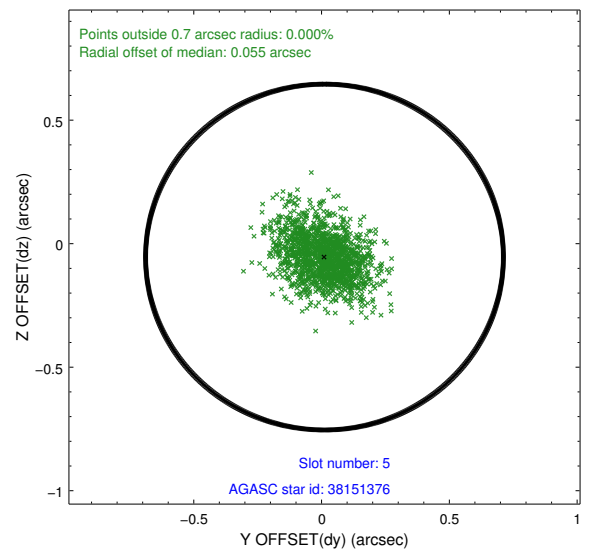
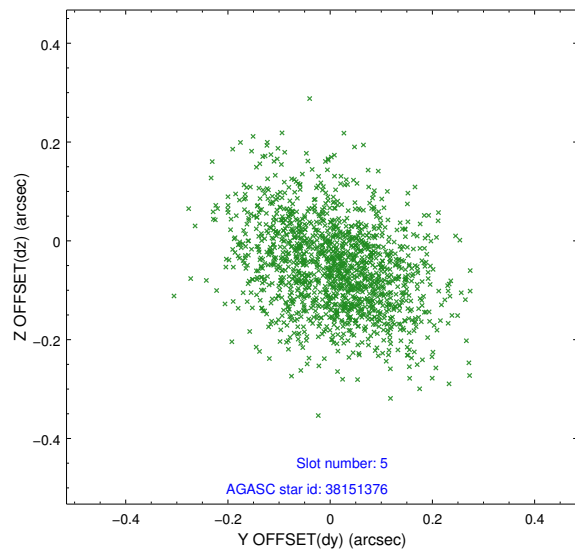
2.4.2 Slot 4



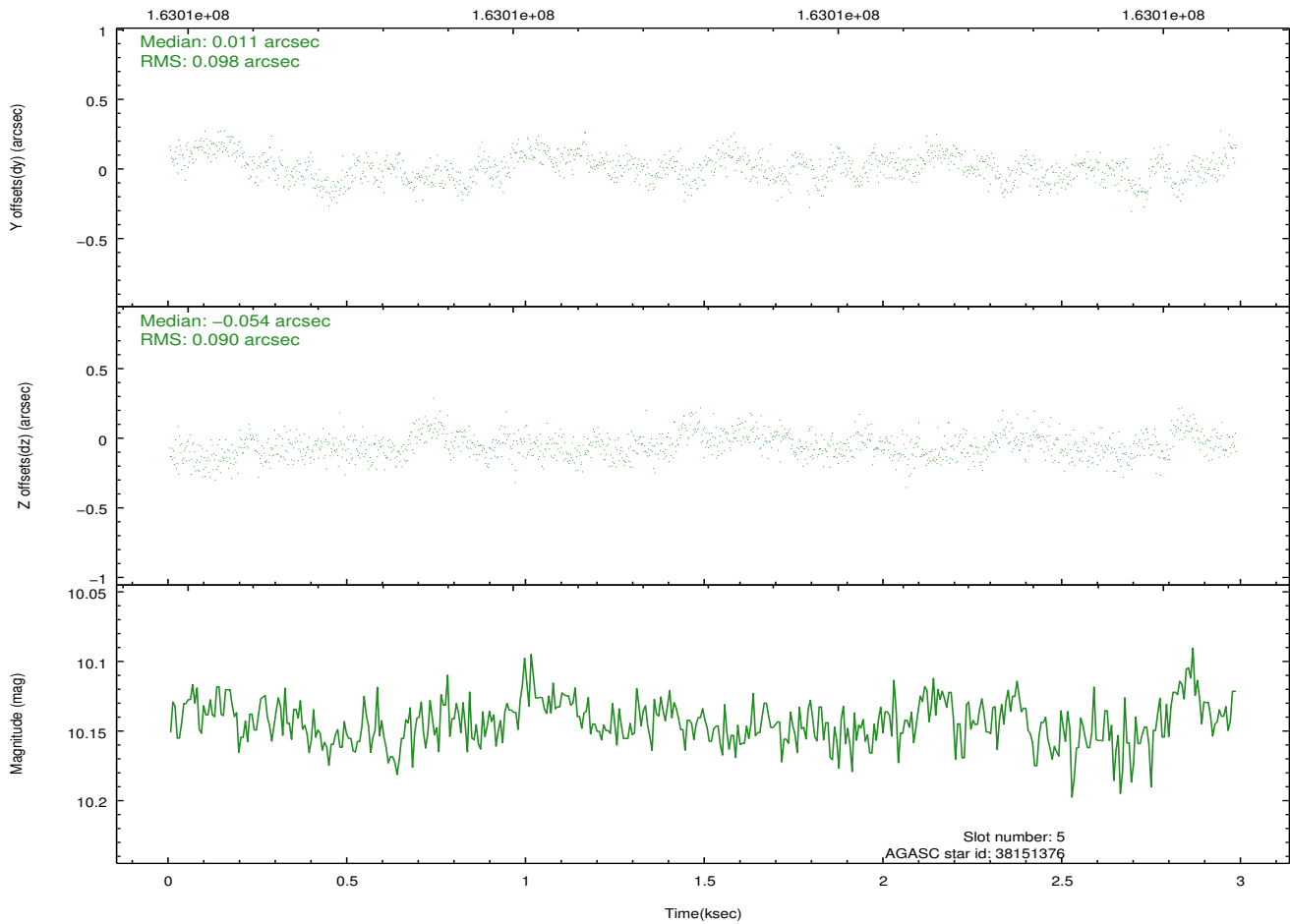
Time (s)



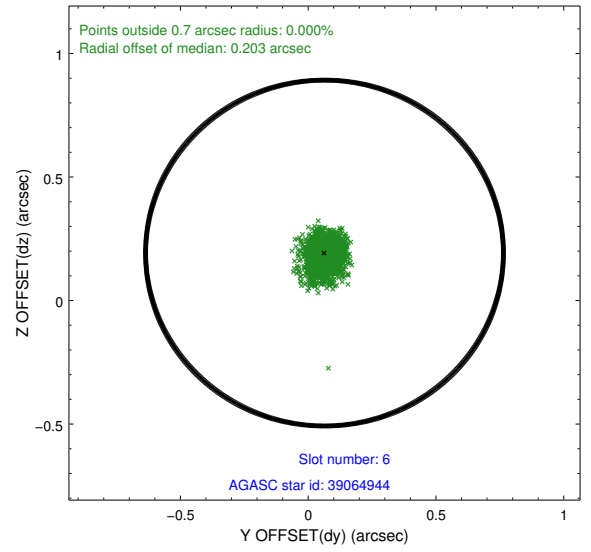
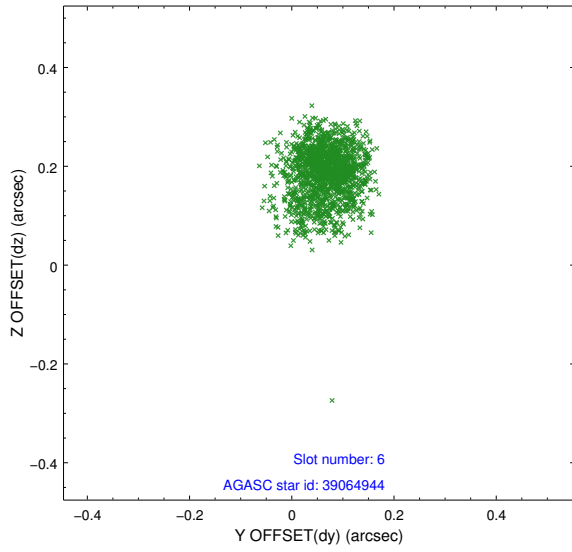
2.4.3 Slot 5



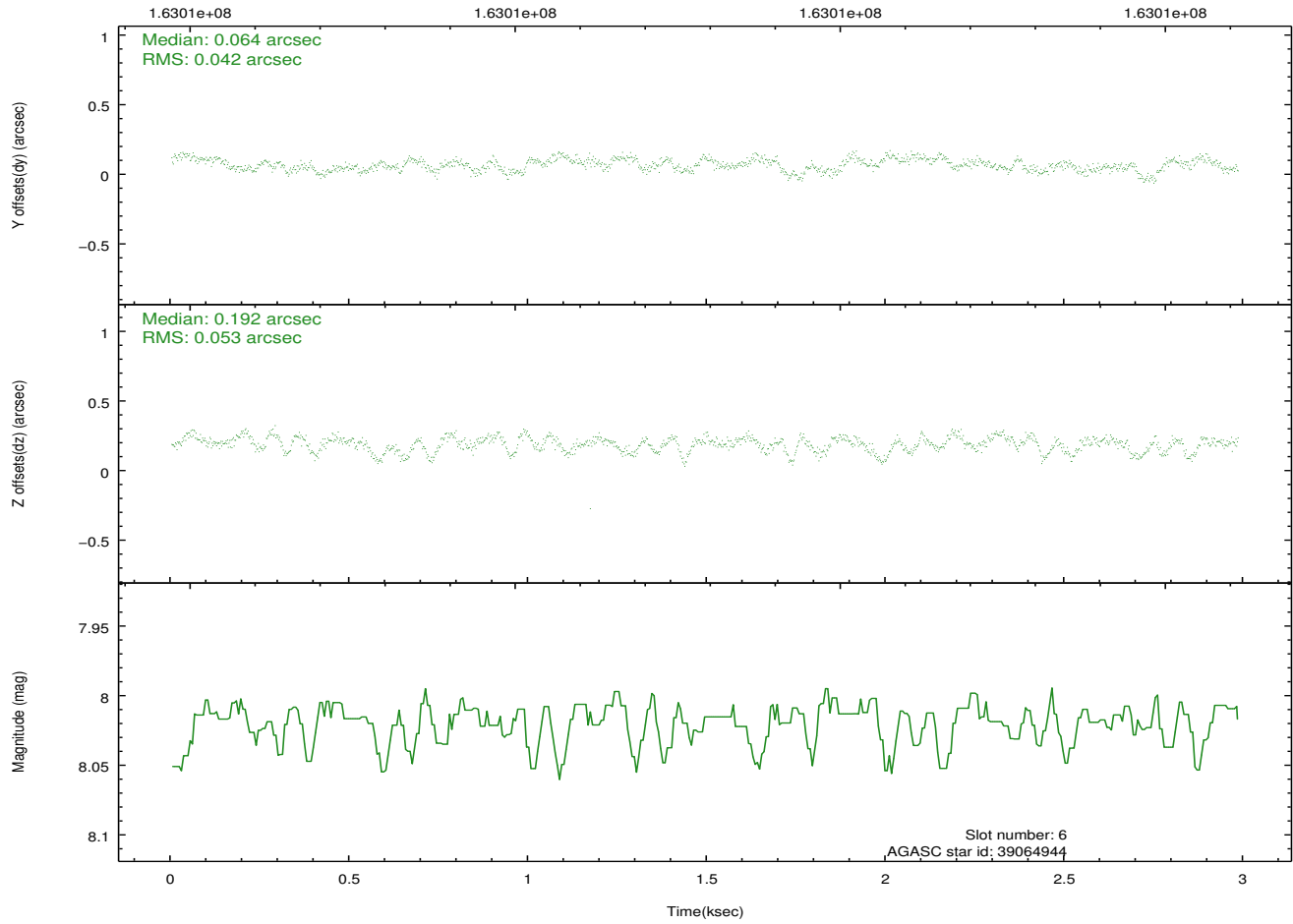
Time (s)



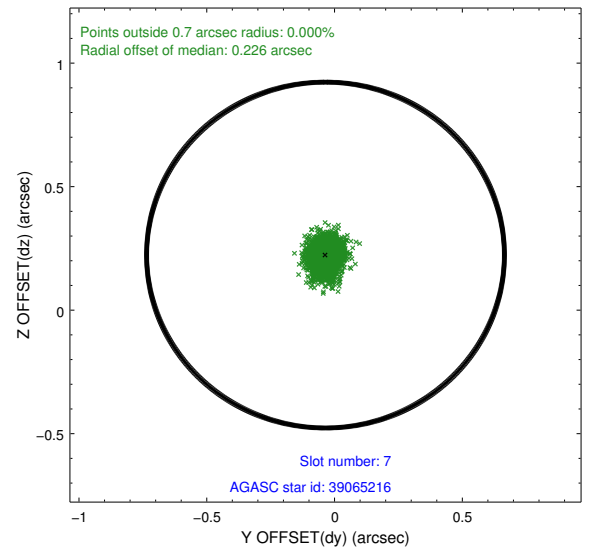
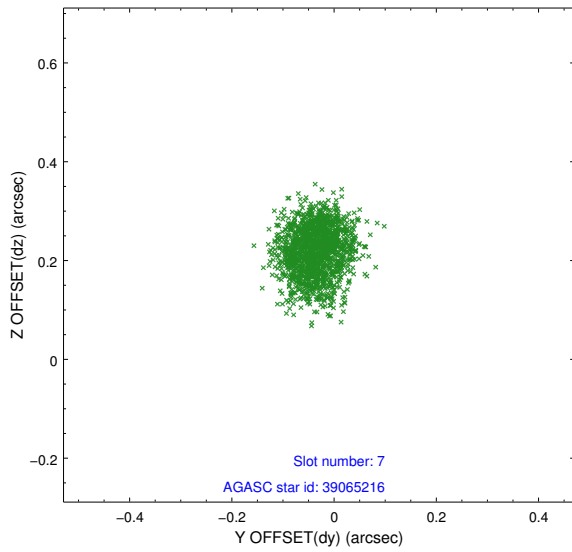
2.4.4 Slot 6



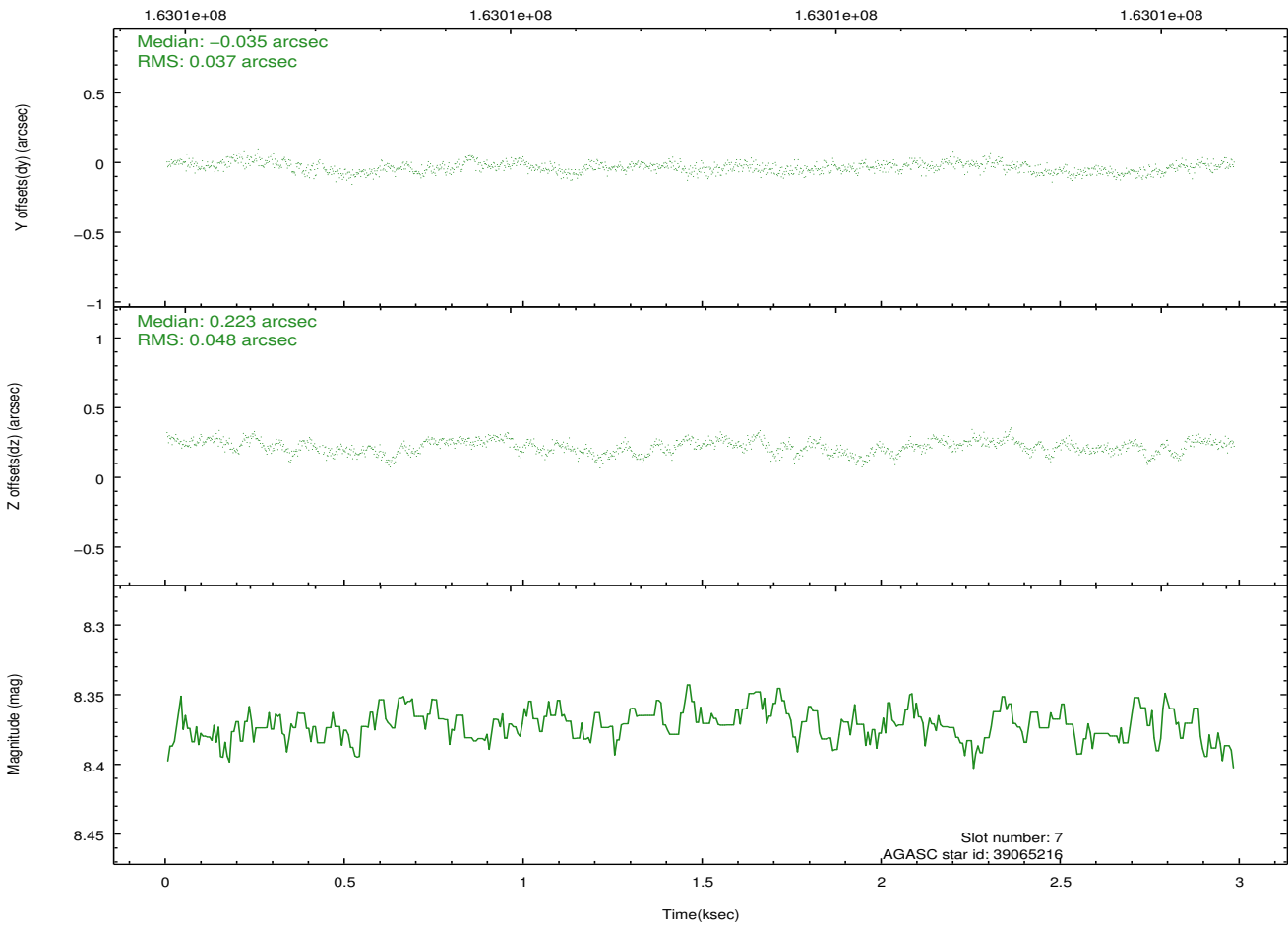
Time (s)



2.4.5 Slot 7

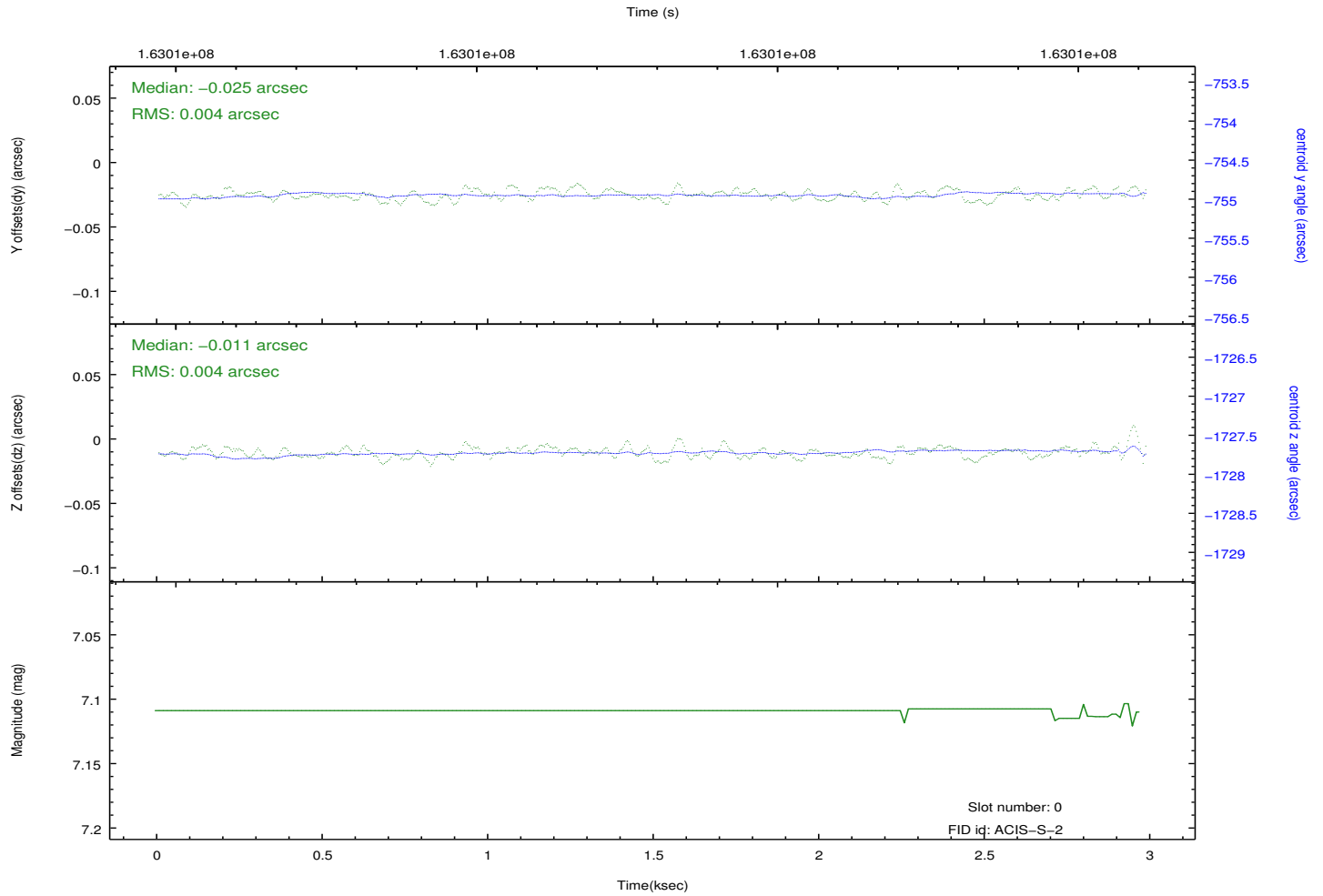
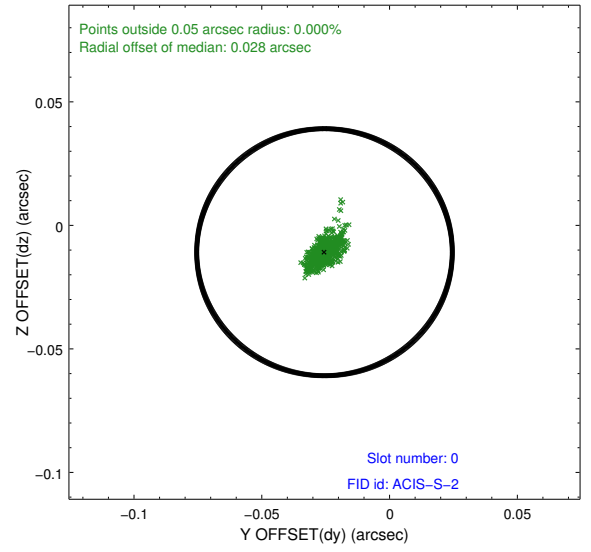
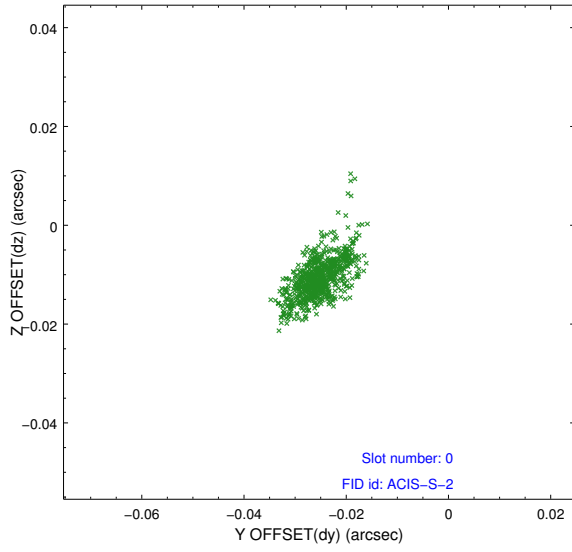


Time (s)

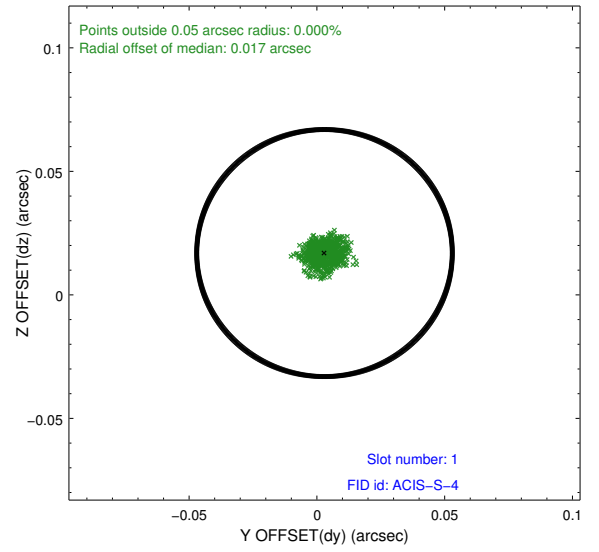
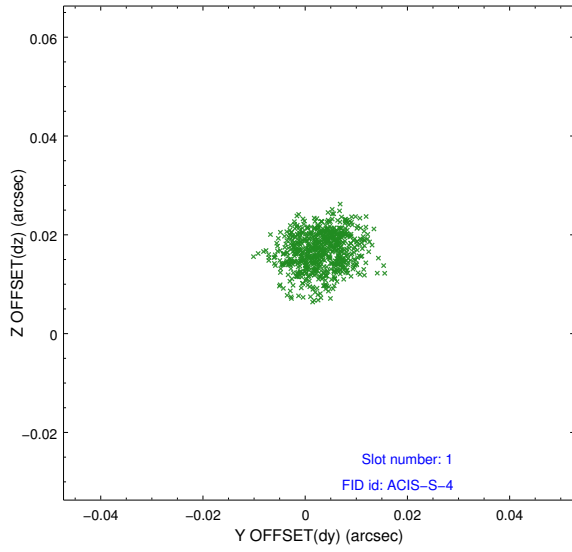


2.5 FID Slots

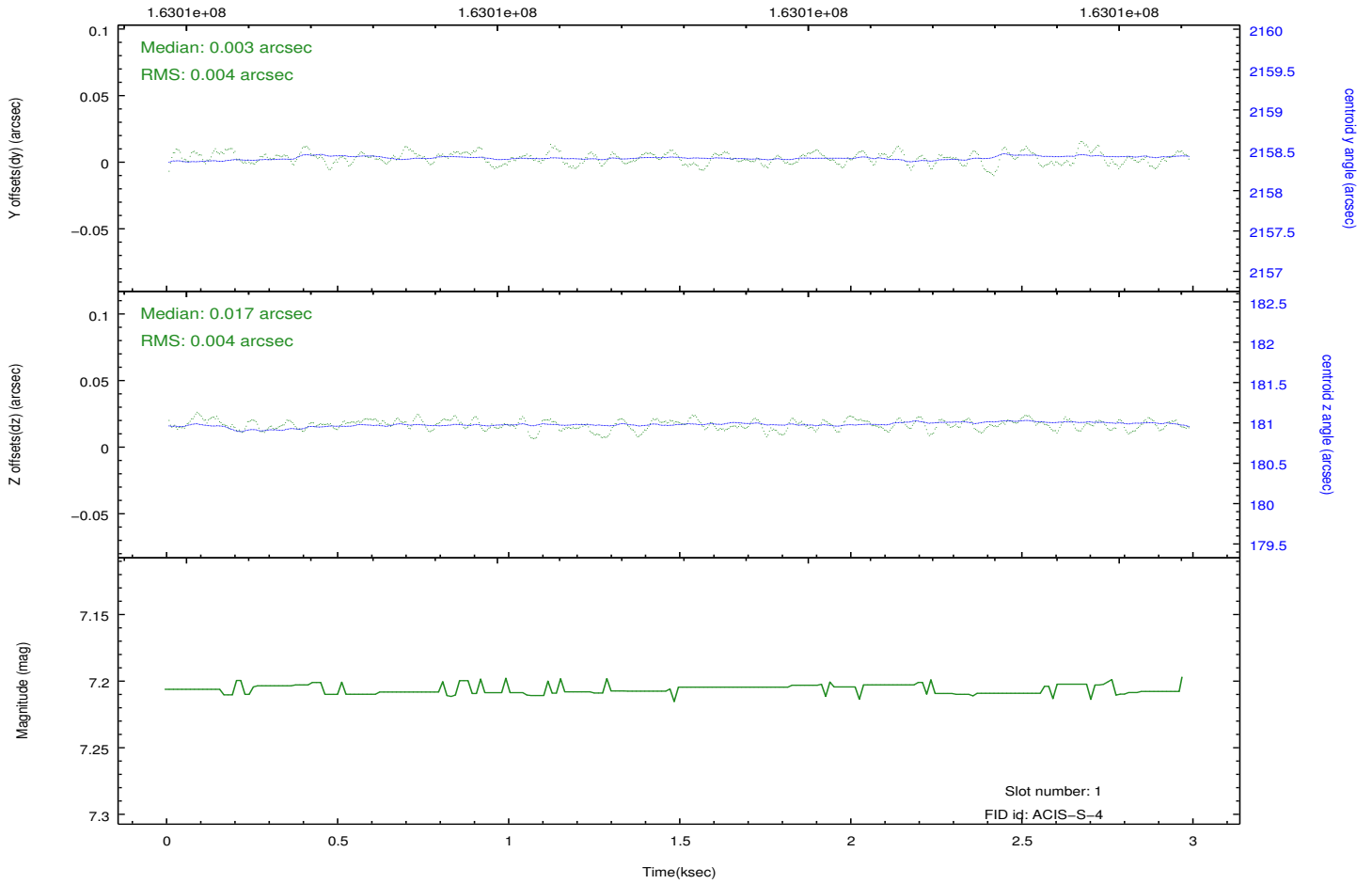
2.5.1 Slot 0



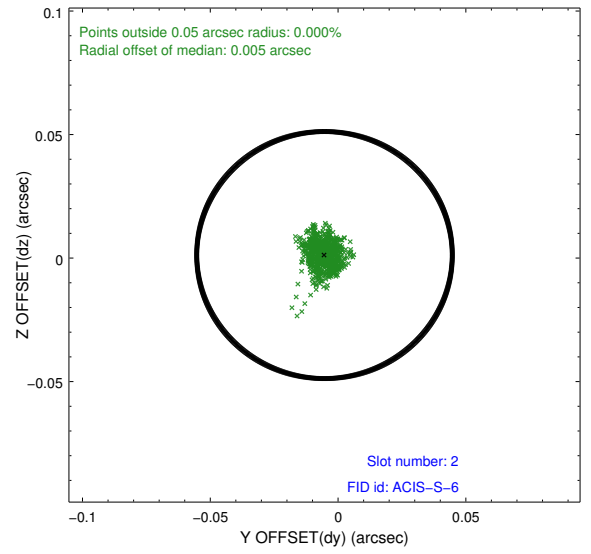
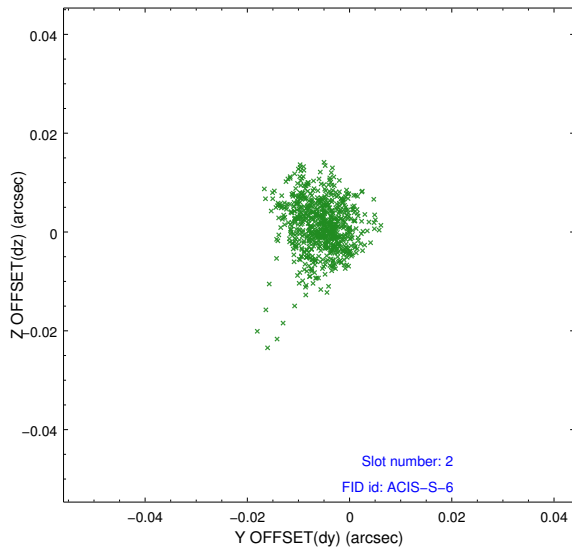
2.5.2 Slot 1



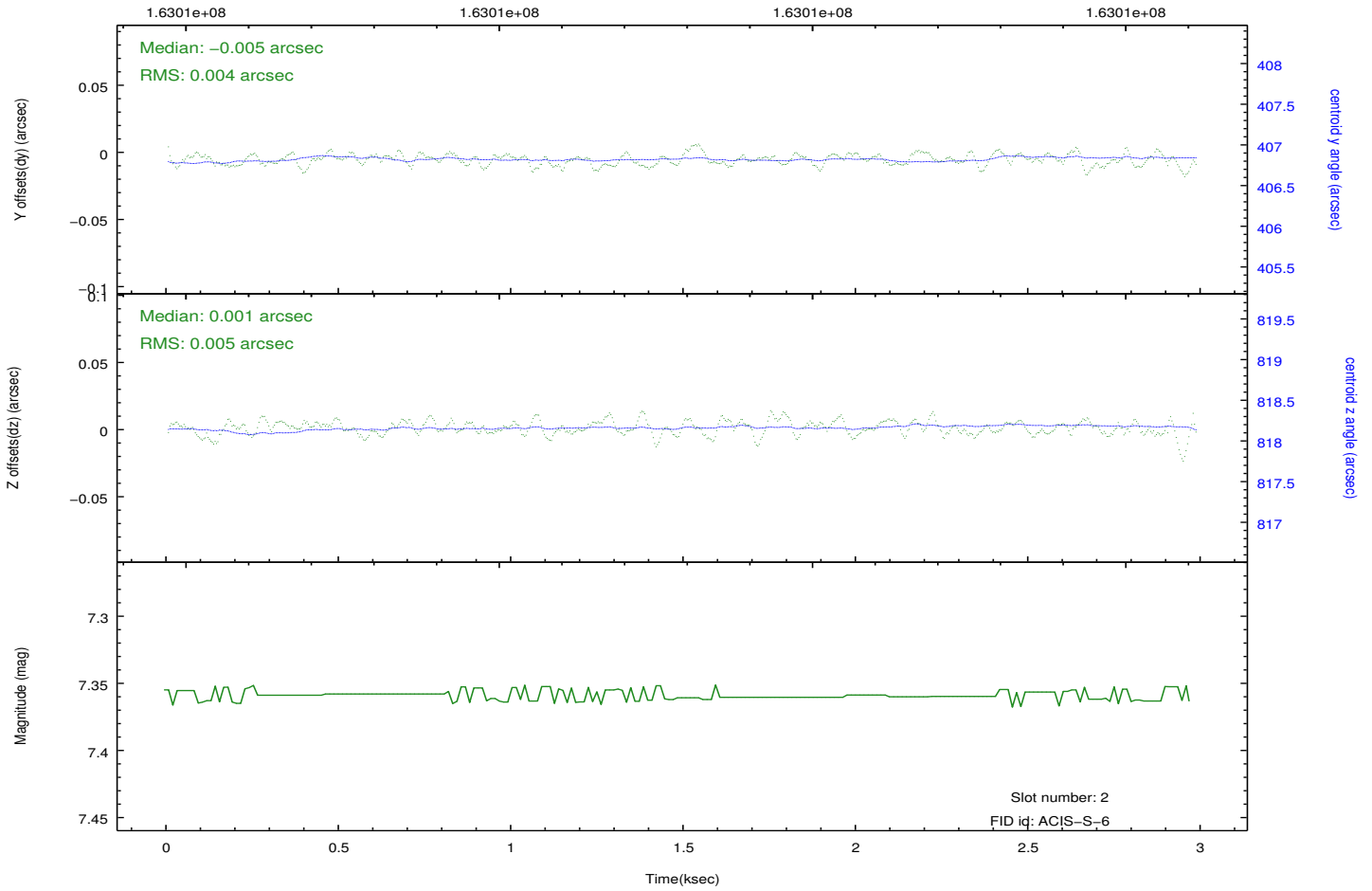
Time (s)



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.11.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.961

A.2 Comments