

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 5289 - L2 Version 4
Chandra X-Ray Center

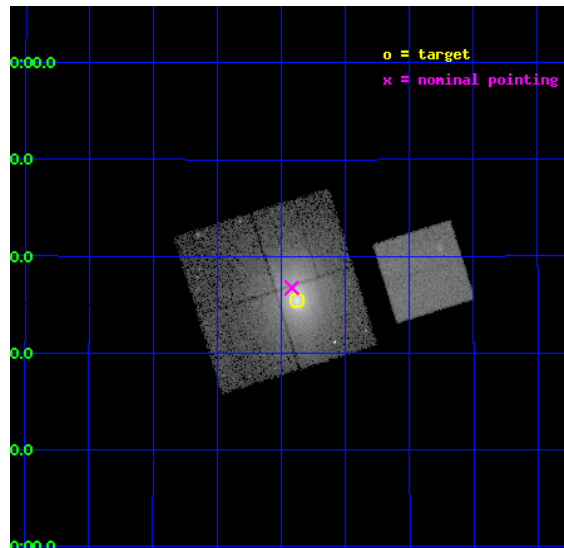
L2 Processing Date : Nov 10 2012

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

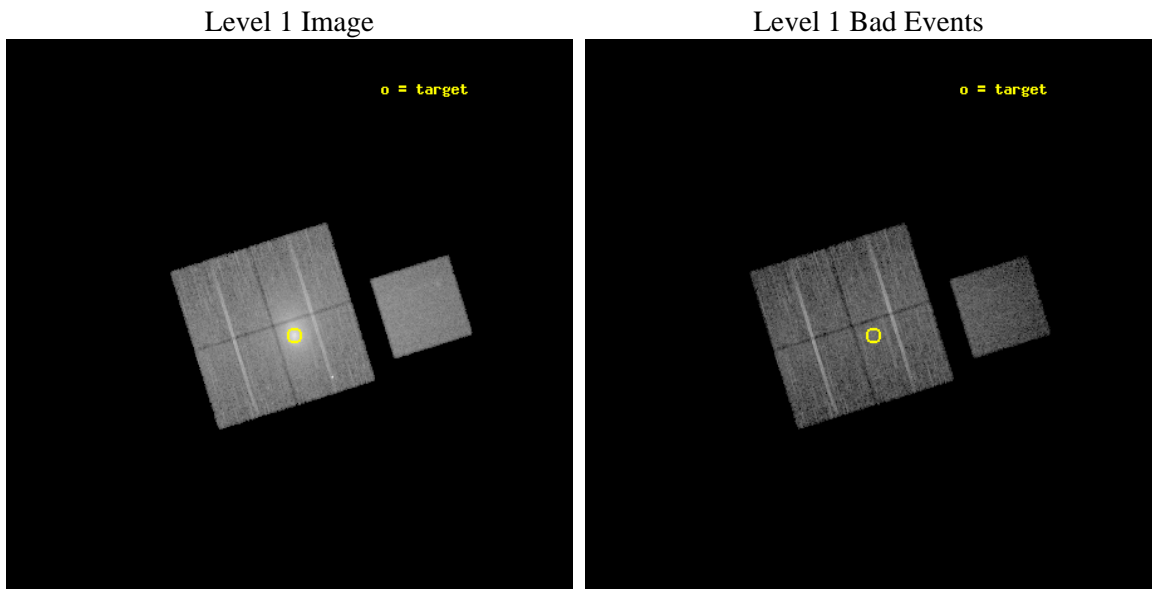
seq_num	890029	Sequence number
obs_id	5289	Observation id
title	Mapping the Depth of the Contaminant on the ACIS Filters with Abell 11795	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	A1795	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	207.219583	Observer's specified target RA [deg]
dec_targ	26.590833	Observer's specified target Dec [deg]
ra_nom	207.22937700494	Nominal RA [deg]
dec_nom	26.612513493219	Nominal Dec [deg]
roll_nom	72.664469068378	Nominal Roll [deg]
revision	4	Processing version of data
ontime	15149.699970841	Sum of GTIs [s]
livetime	14951.757987676	Livetime [s]
ontime0	15146.558980703	Sum of GTIs [s]
ontime1	15146.558980674	Sum of GTIs [s]
ontime2	15149.699970841	Sum of GTIs [s]
ontime3	15149.699970841	Sum of GTIs [s]
ontime7	15149.699970841	Sum of GTIs [s]
l2events	203035	Number of level 2 events



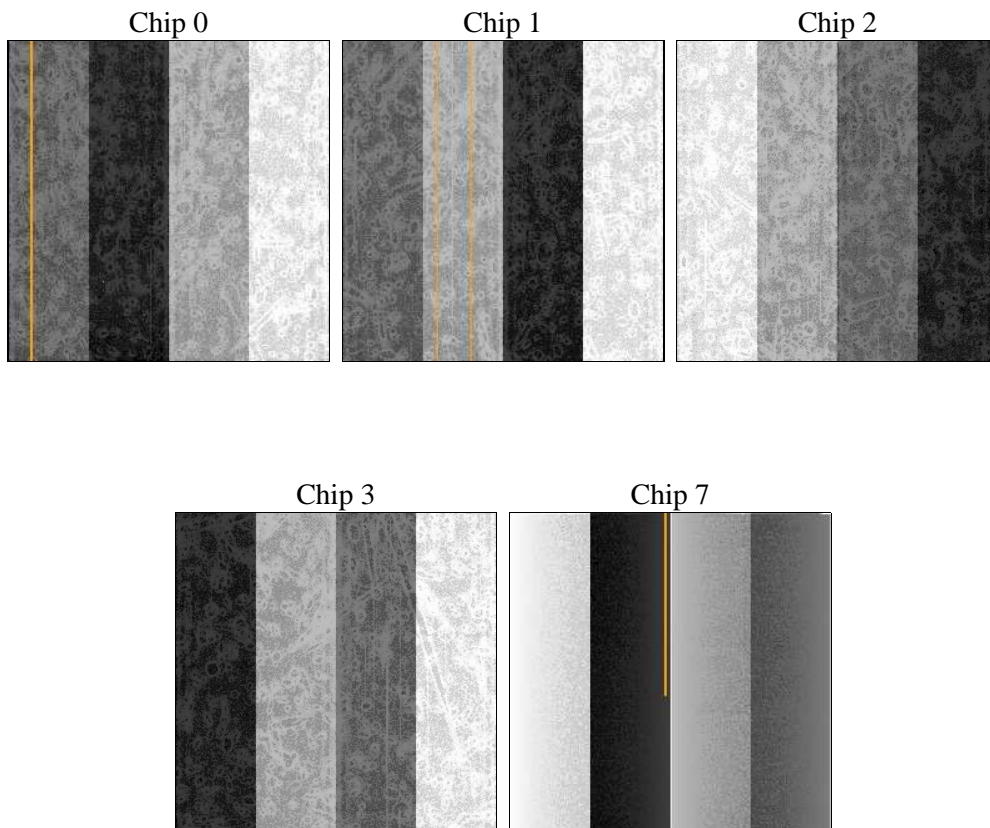
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	15149.699970841	Sum of GTIs [s]
caldbver	4.5.2	 	ontime0	15146.558980703	Sum of GTIs [s]
date	2012-11-10T22:05:34	Date and time of file creation	ontime1	15146.558980674	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	15149.699970841	Sum of GTIs [s]
			ontime3	15149.699970841	Sum of GTIs [s]
			ontime7	15149.699970841	Sum of GTIs [s]
			l1events	555695	Number of level 1 events

2.1.4 Events

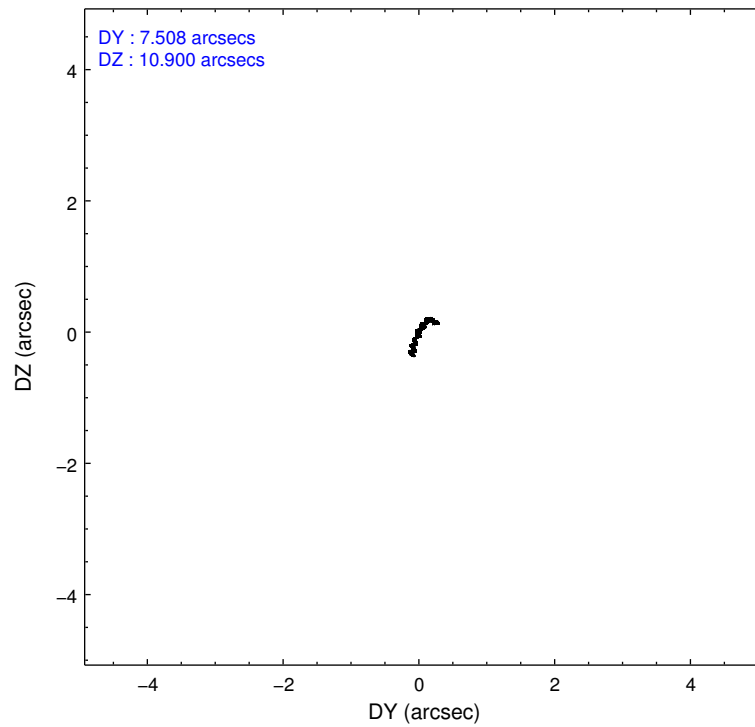
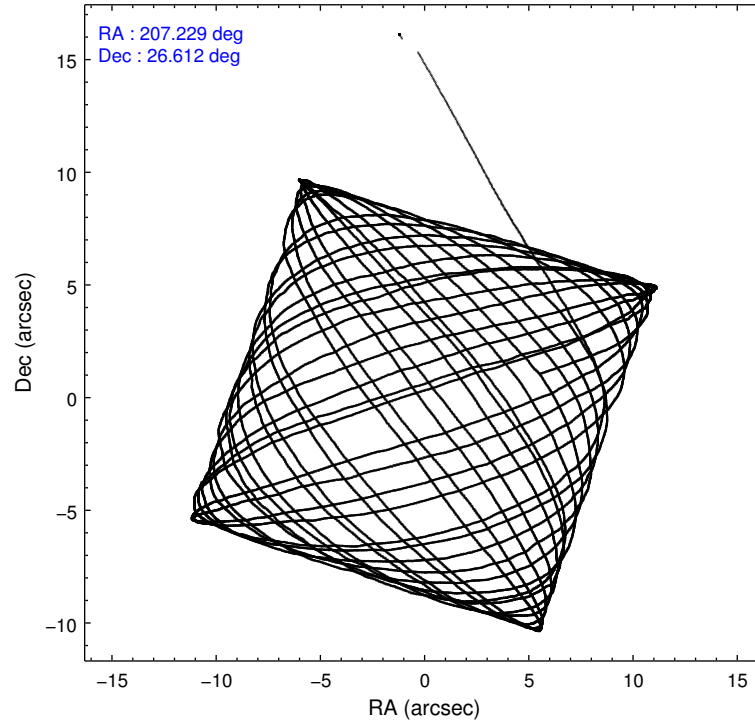
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	82753	88215	108819	181553	94355
rejected events	68313	68029	76426	77050	50721
rejected %	82%	77%	70%	42%	53%

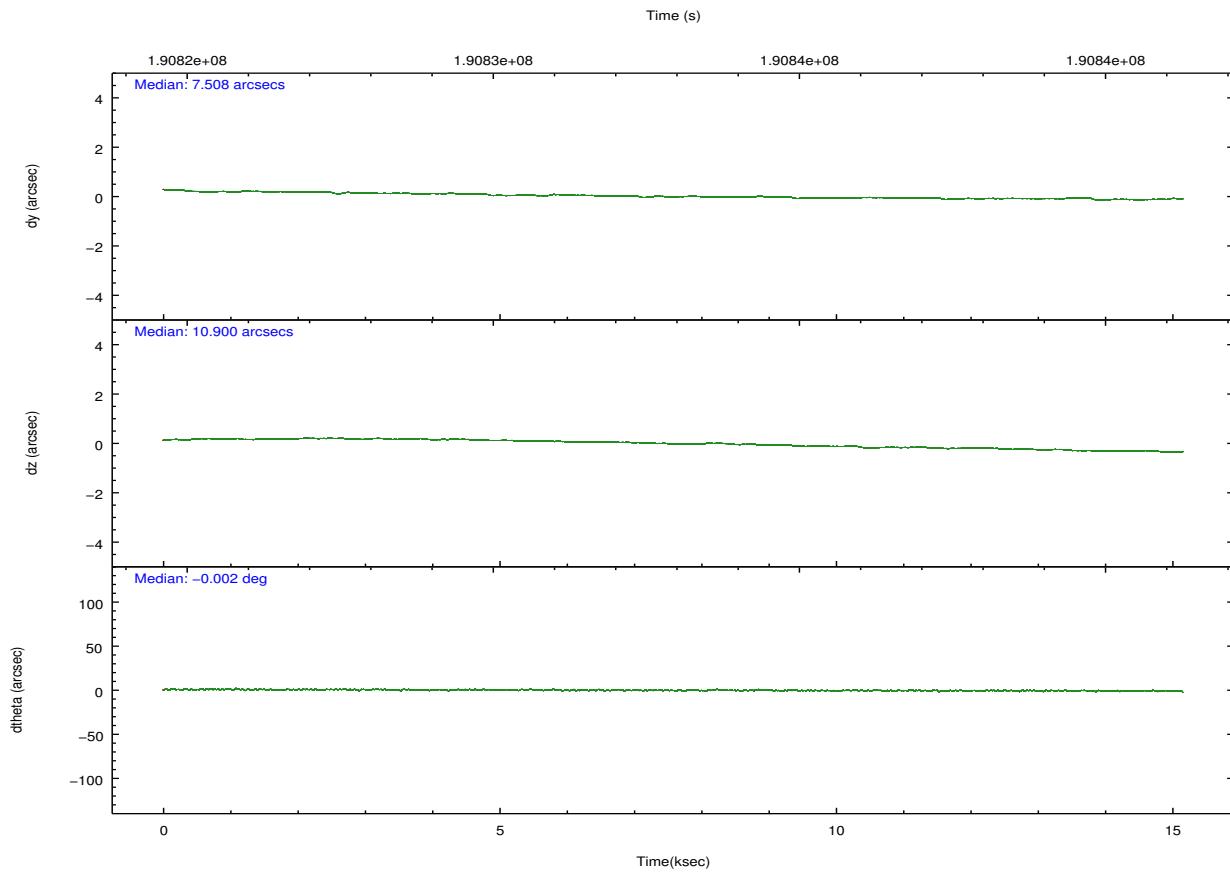
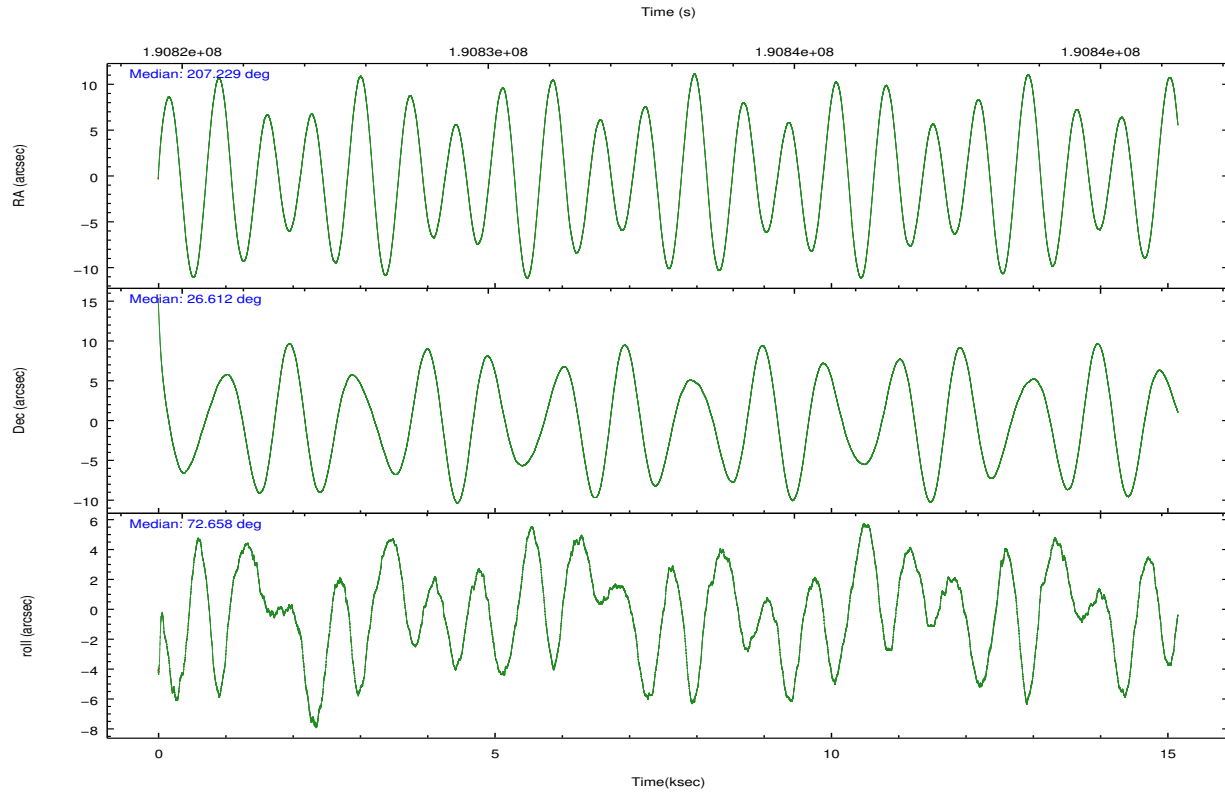
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	8033	12517	23726	84012	4413
	9%	14%	21%	46%	4%
grade 1 events	62	75	149	440	65
	0%	0%	0%	0%	0%
grade 2 events	2611	3062	4196	10731	8915
	3%	3%	3%	5%	9%
grade 3 events	1162	1396	1578	3625	4252
	1%	1%	1%	1%	4%
grade 4 events	1080	1339	1518	3715	4278
	1%	1%	1%	2%	4%
grade 5 events	2919	3215	2957	3596	9815
	3%	3%	2%	1%	10%
grade 6 events	1795	2172	1971	3628	22509
	2%	2%	1%	1%	23%
grade 7 events	65091	64439	72724	71806	40108
	78%	73%	66%	39%	42%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01237	ACIS-01237	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	207.236174	207.2293770049366	Subarray requested	NONE	NONE
[deg] Pointing Dec	26.585796	26.61251349321885	Alternating exposures requested	N	N
[deg] Pointing Roll	72.452745	72.66446906837835	[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	-230.252463	-230.248423740357			
[mm] SIM translation stage offset	-3.34	-3.34402926257269			
[s] Observation start time (MET)	190825509.184000	190824396.10173			
Observation start date	2004-01-18T15:04:05	2004-01-18T14:46:36			
[s] Observation end time (MET)	190840509.184000	190841668.37748			
Observation end date	2004-01-18T19:14:05	2004-01-18T19:34:28			
Read mode	TIMED	TIMED			

2.3 Aspect



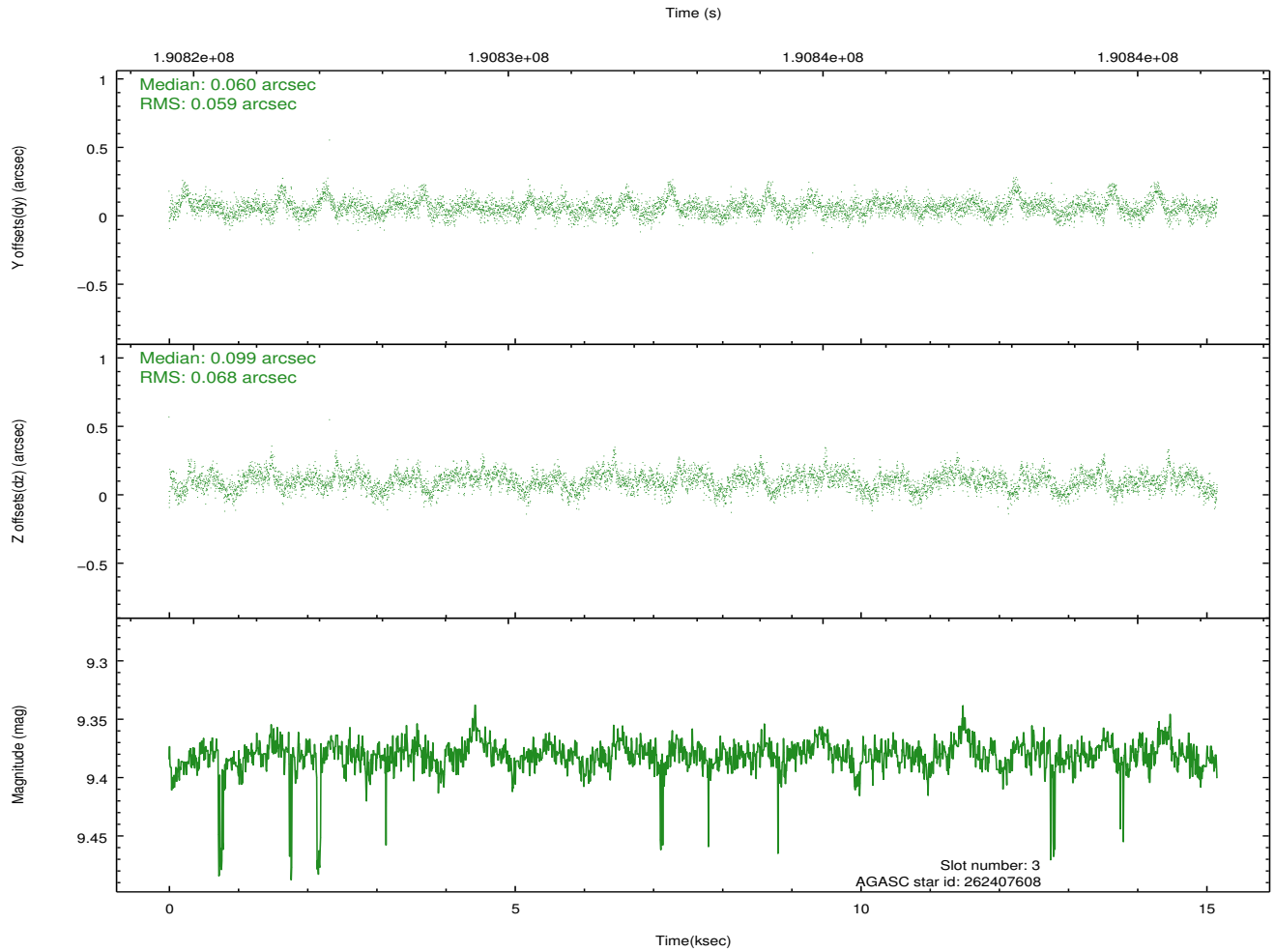
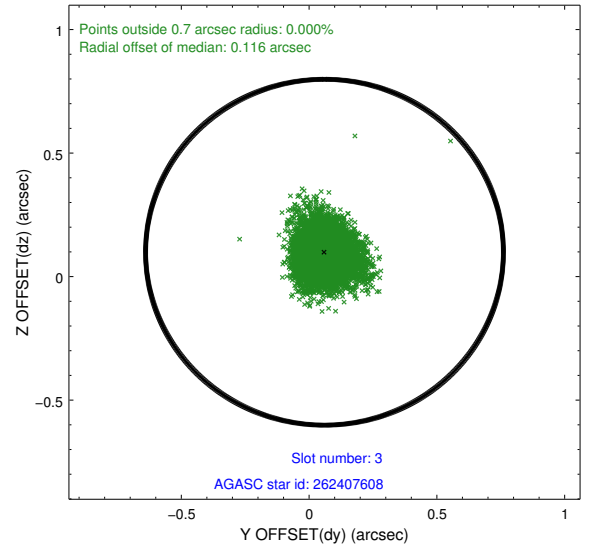
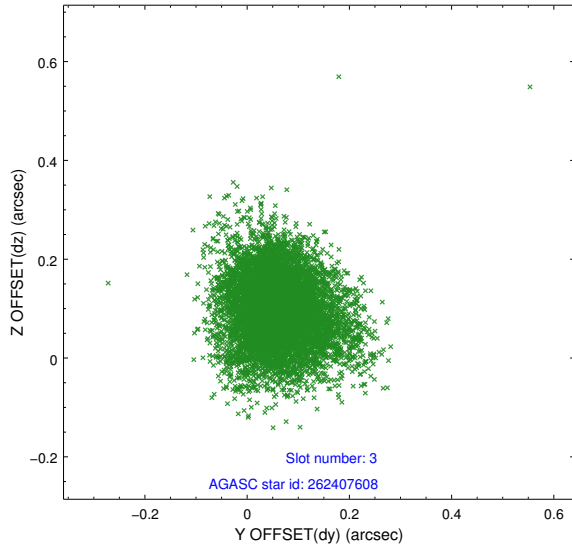


Slot Statistics

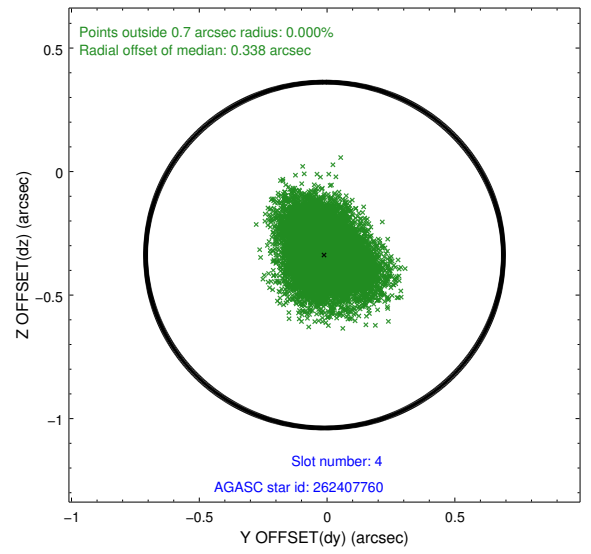
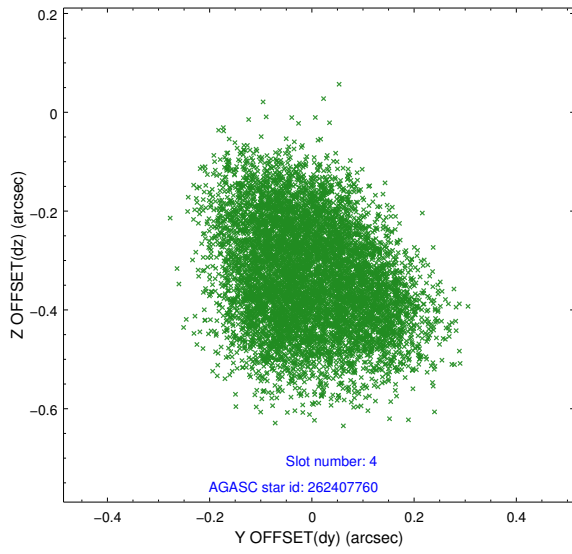
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	3697	0.018	0.019	0.009	0.016	0.000000	0.000000	932.08	-902.95
1	FID	ACIS-I-5	7.23	3697	-0.163	0.041	0.008	0.014	0.000000	0.000000	-1816.03	994.41
2	FID	ACIS-I-6	7.25	3697	0.054	0.011	0.009	0.014	0.000000	0.000000	397.35	1639.21
3	GUIDE	262407608	9.38	7381	0.060	0.099	0.094	0.159	207.378401	26.435507	-376.99	-600.00
4	GUIDE	262407760	9.90	7385	-0.010	-0.338	0.158	0.240	206.566773	26.577263	-673.74	2047.19
5	GUIDE	262408096	9.36	7387	0.079	-0.114	0.120	0.369	207.011678	26.515421	-458.77	613.77
6	GUIDE	262408512	8.03	7392	-0.290	0.171	0.071	0.119	207.800210	27.128796	2412.59	-1131.81
7	GUIDE	262411960	9.68	7387	0.143	0.206	0.113	0.178	207.327895	25.881727	-2326.19	-1047.46

2.4 Star Slots

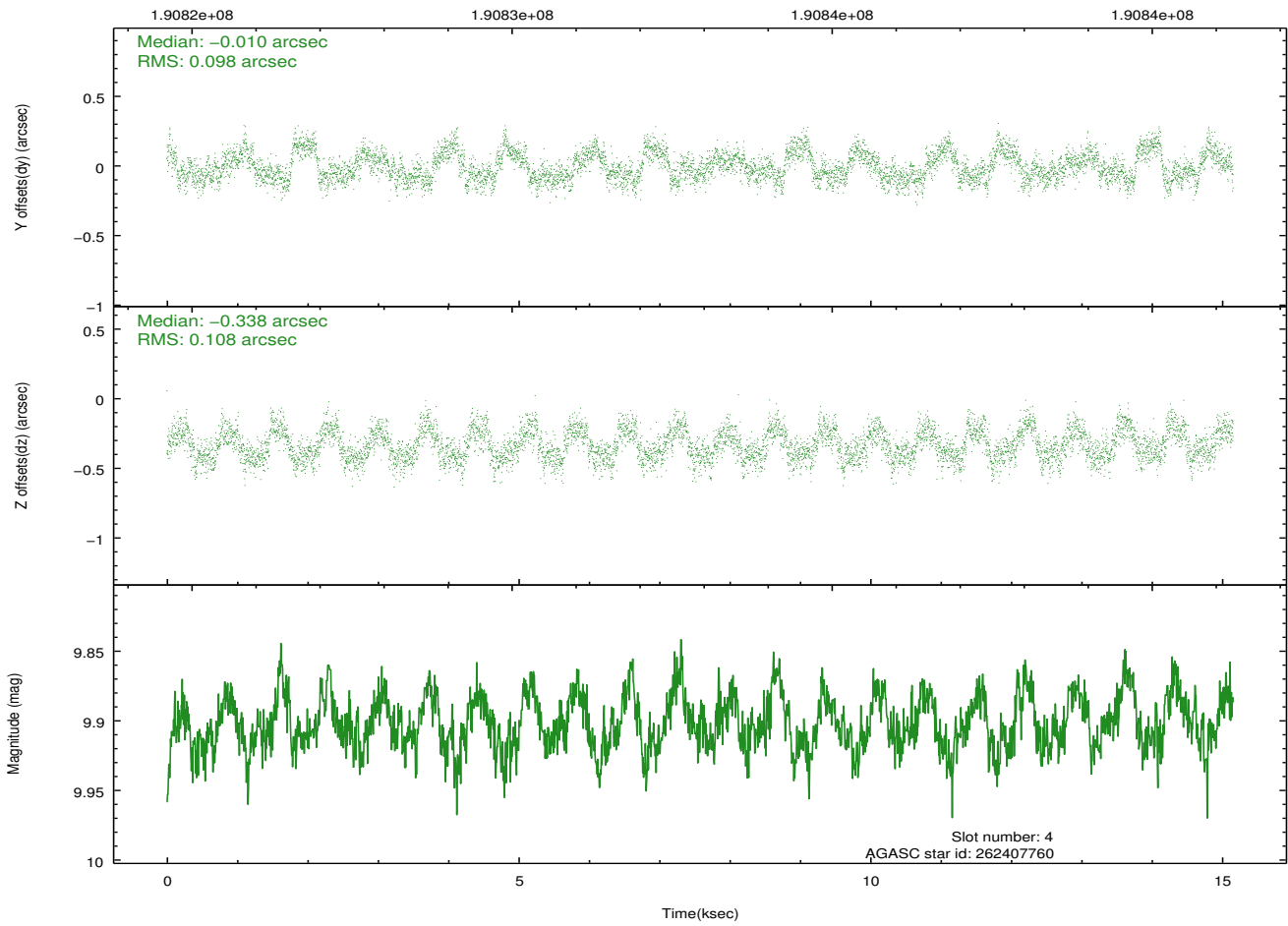
2.4.1 Slot 3



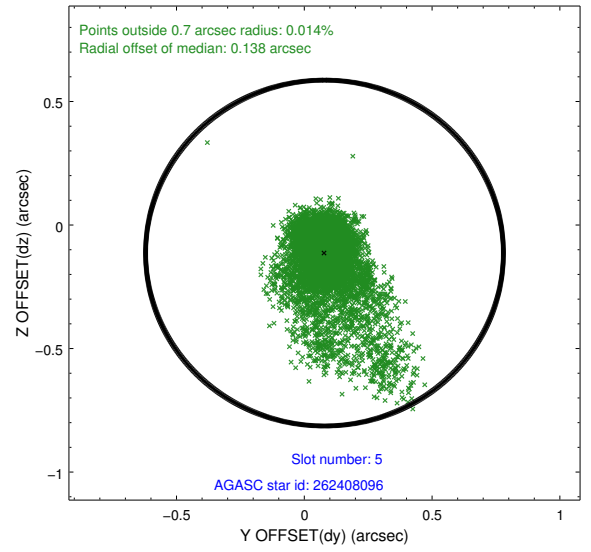
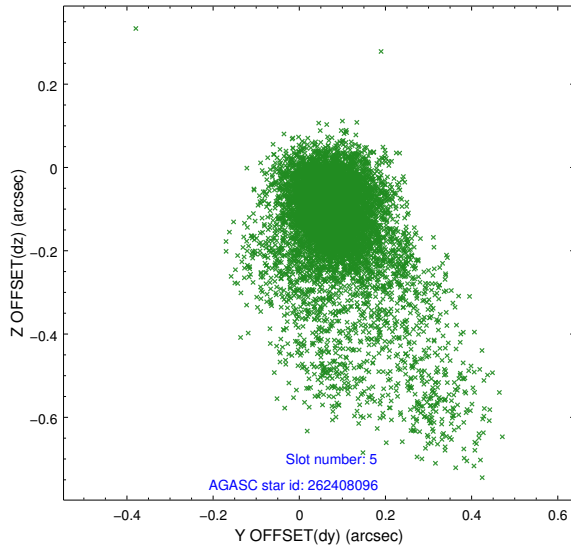
2.4.2 Slot 4



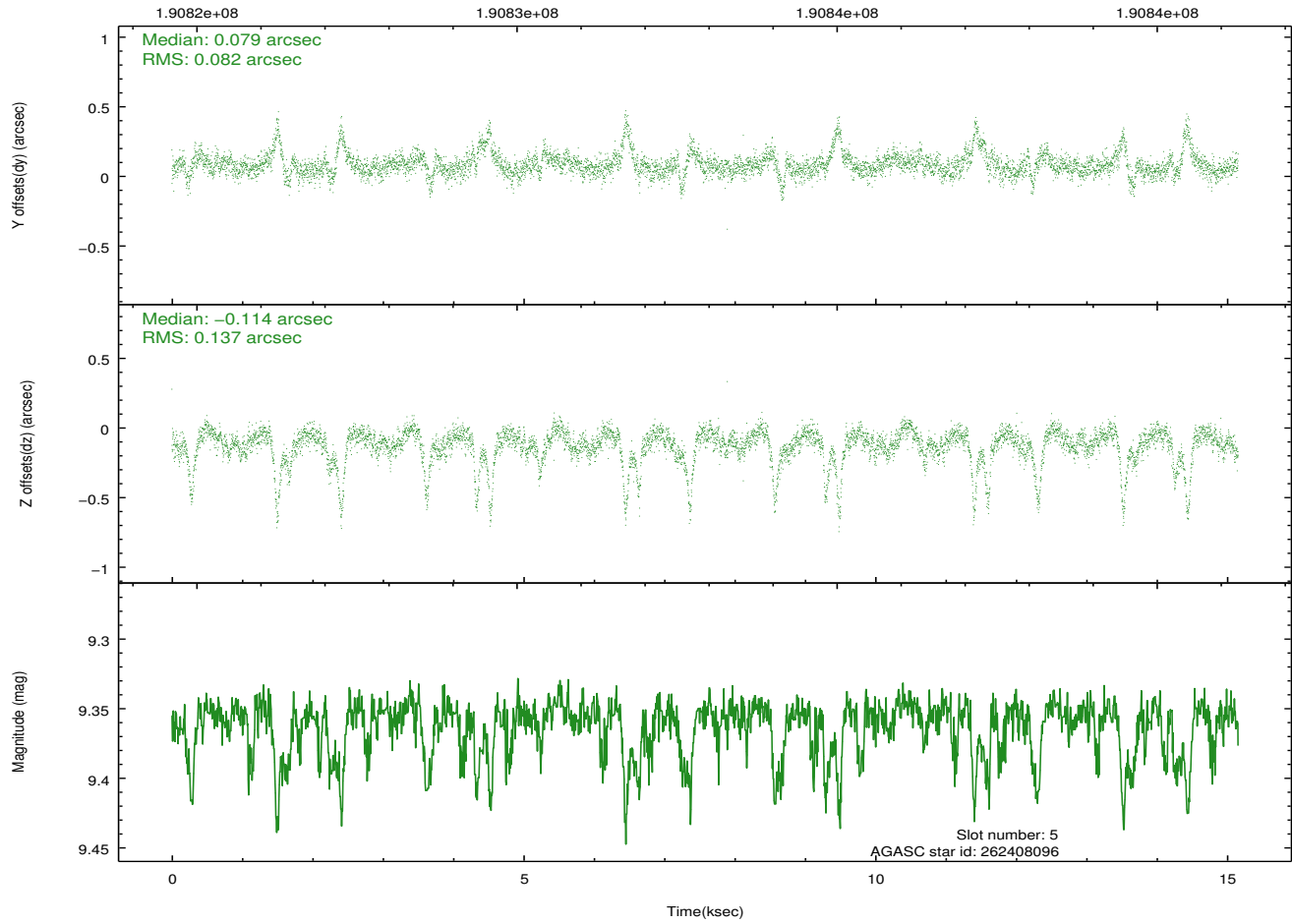
Time (s)



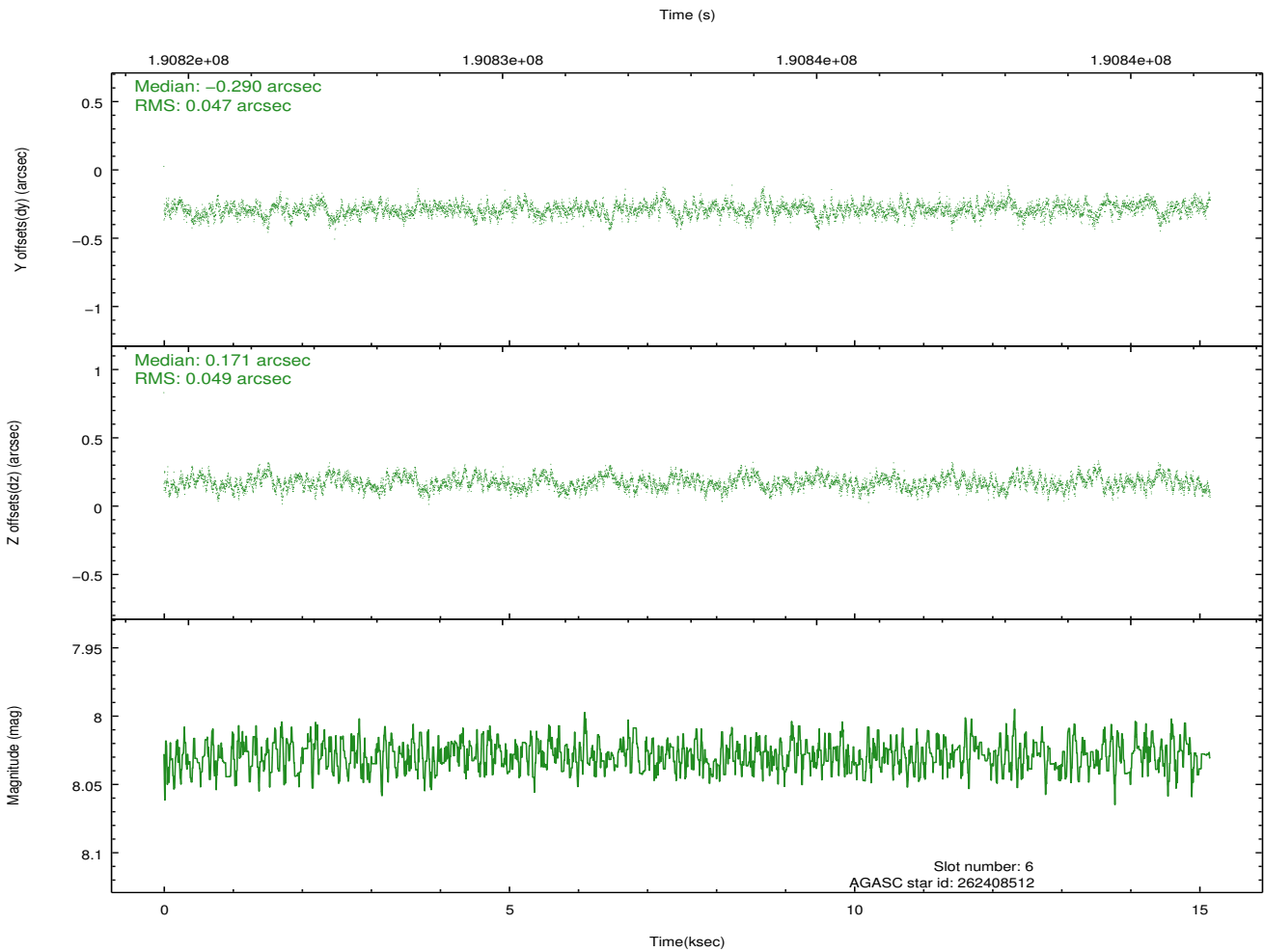
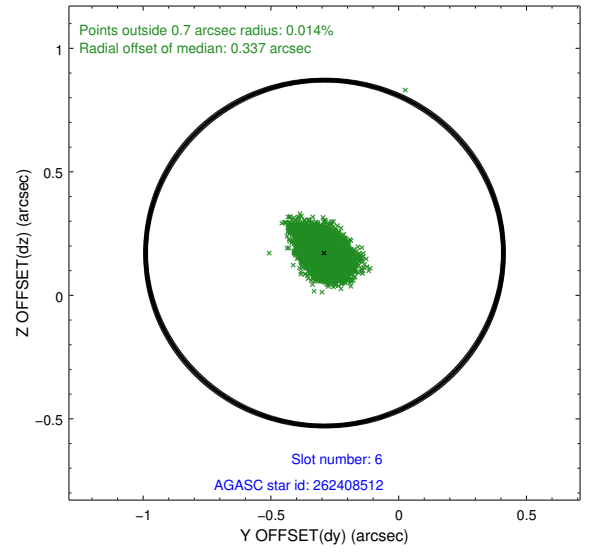
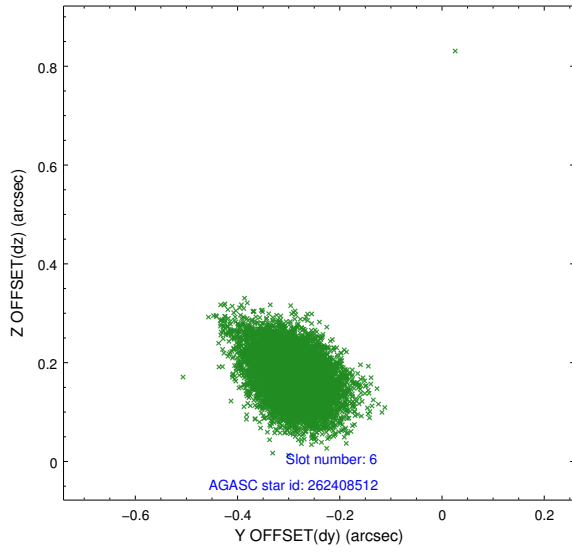
2.4.3 Slot 5



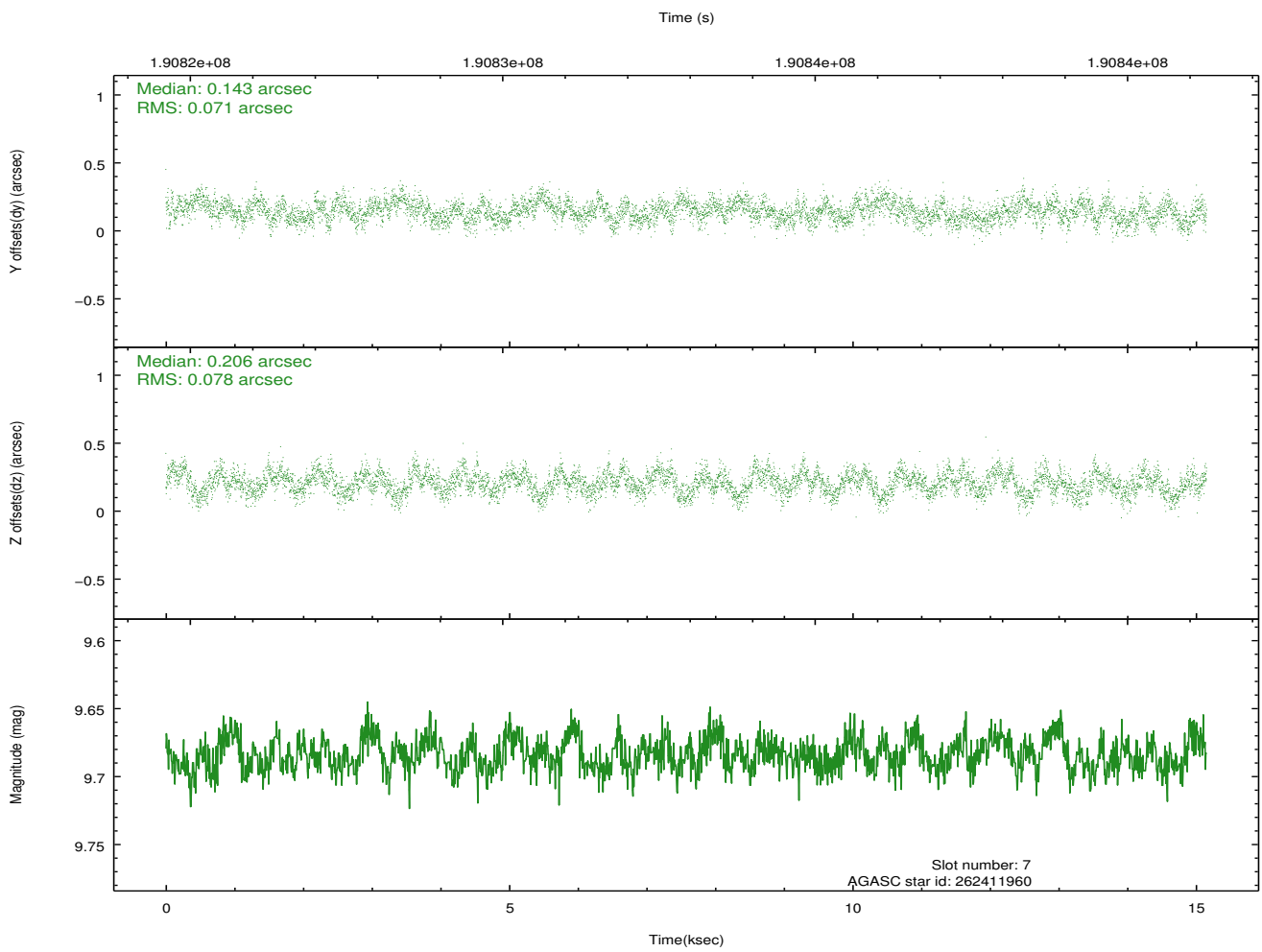
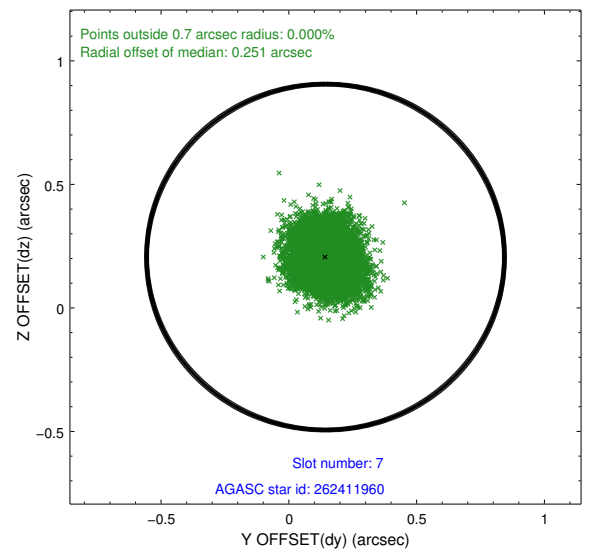
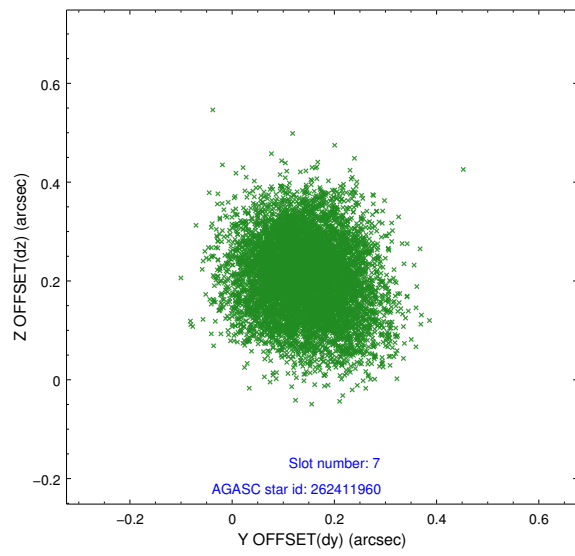
Time (s)



2.4.4 Slot 6

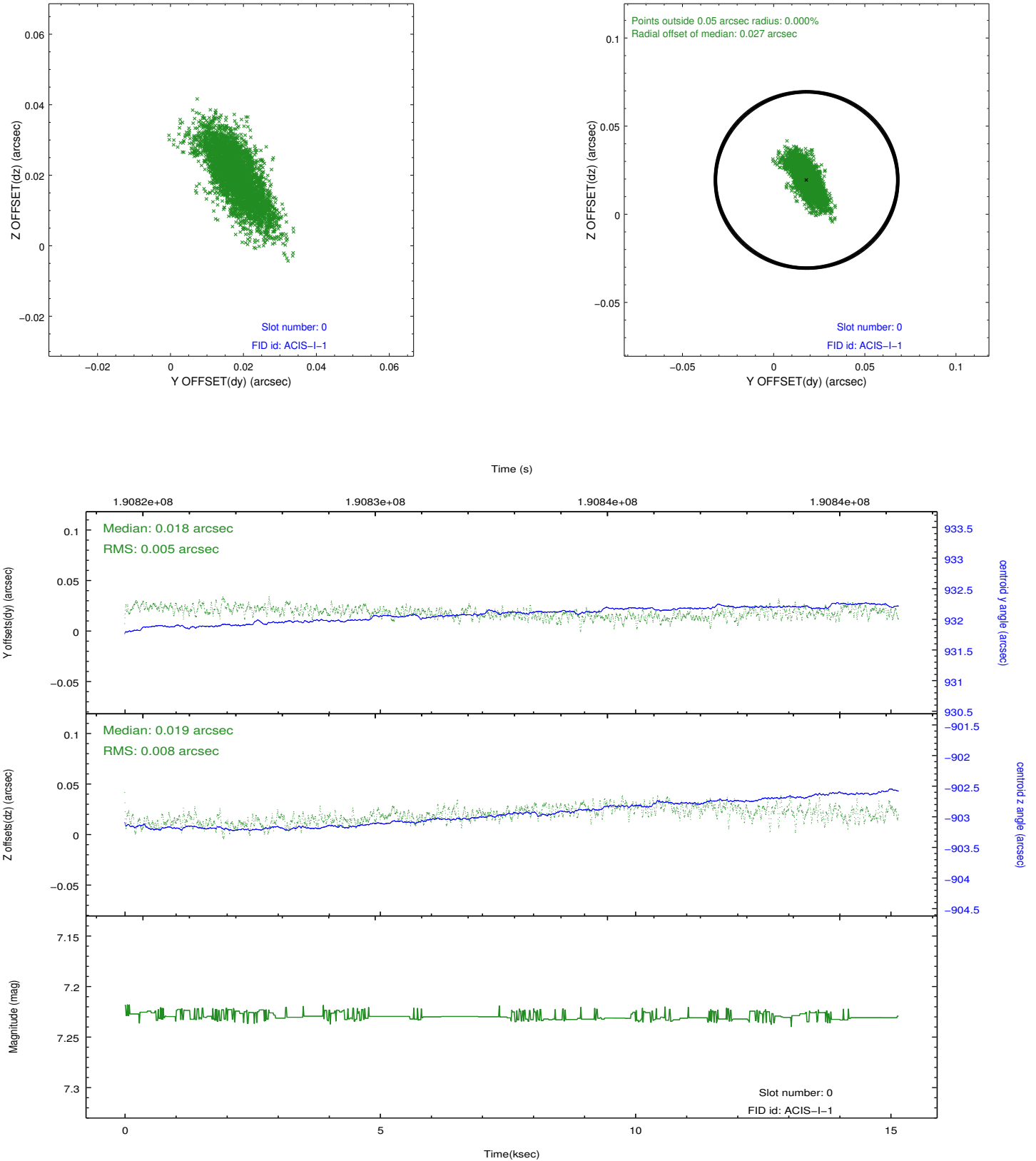


2.4.5 Slot 7

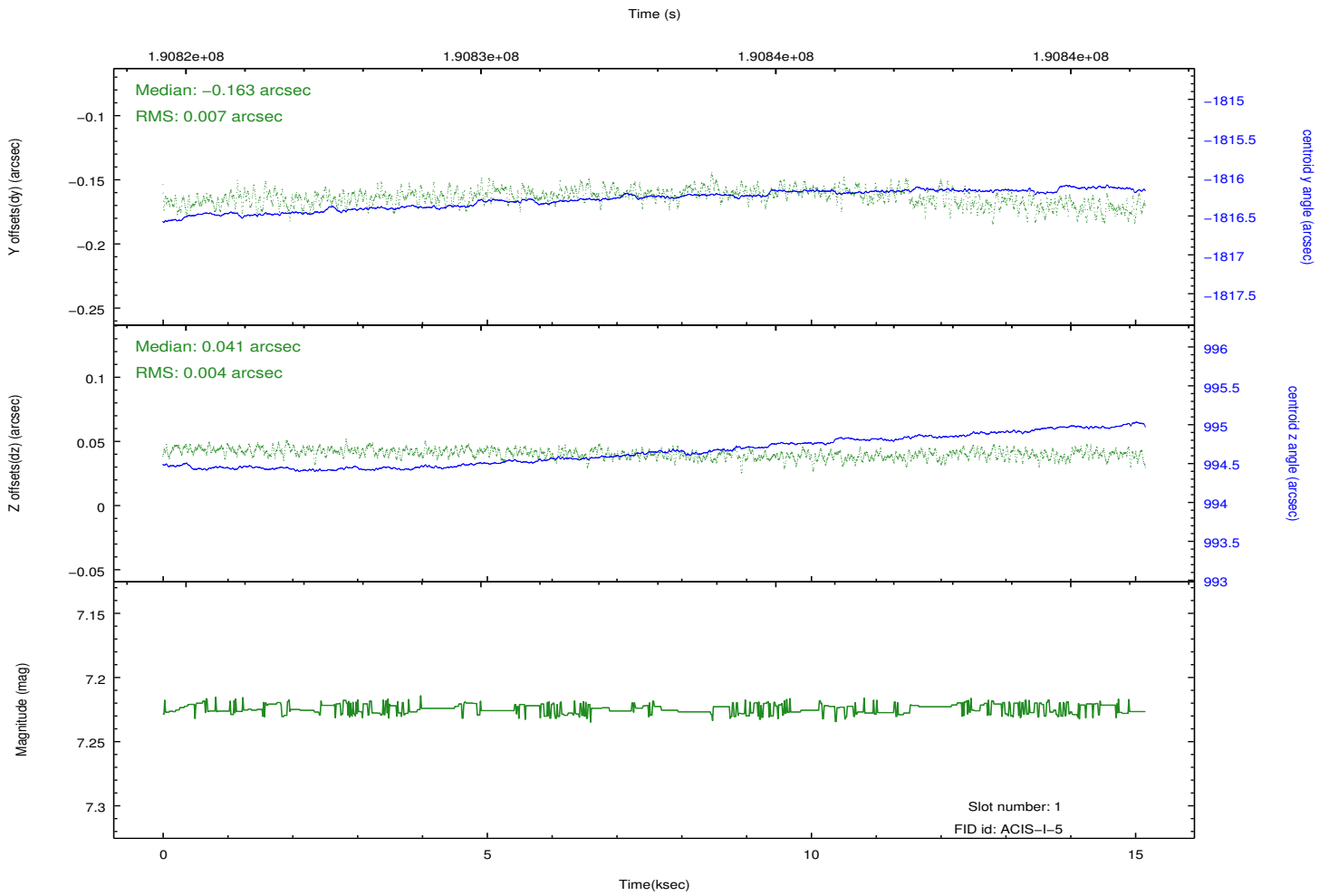
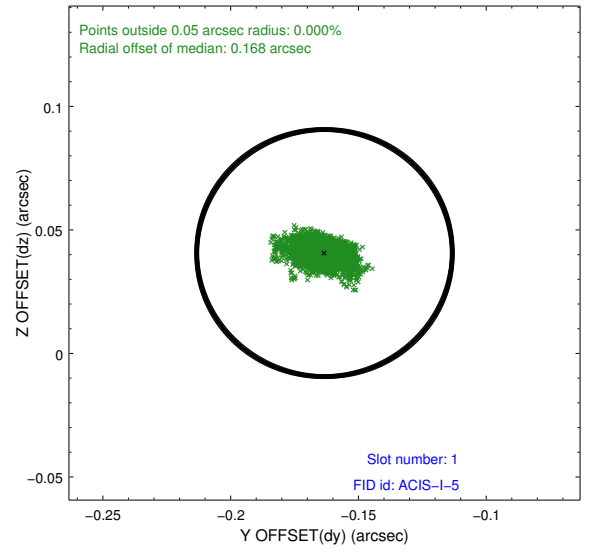
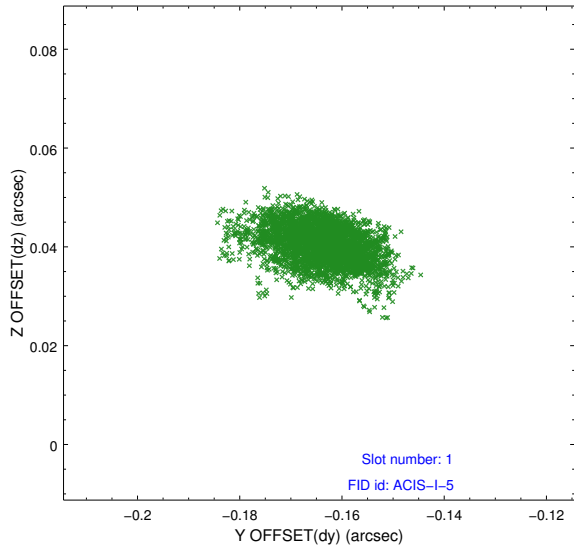


2.5 FID Slots

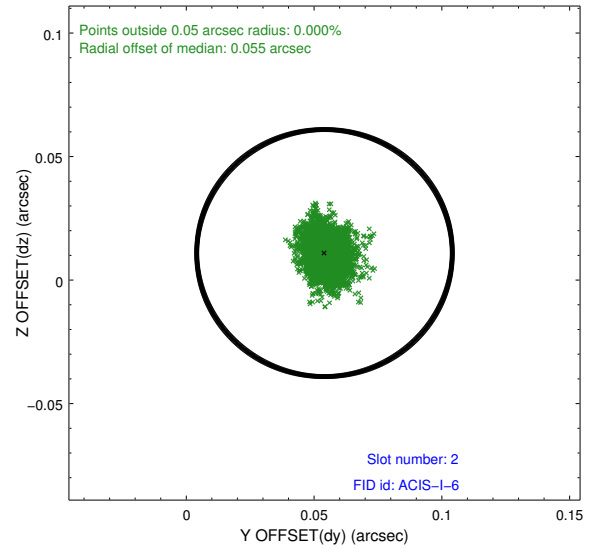
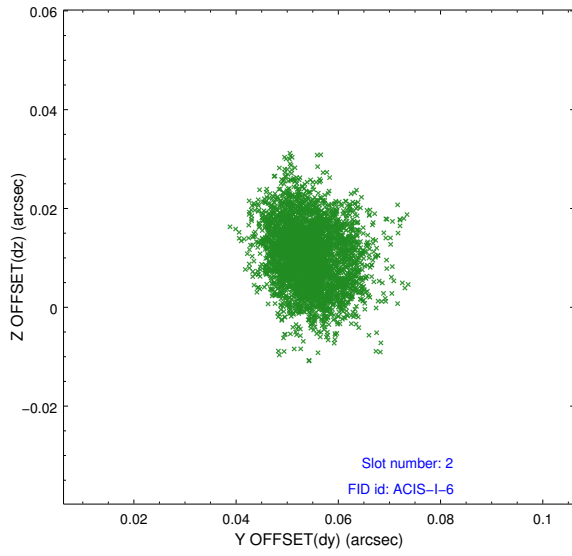
2.5.1 Slot 0



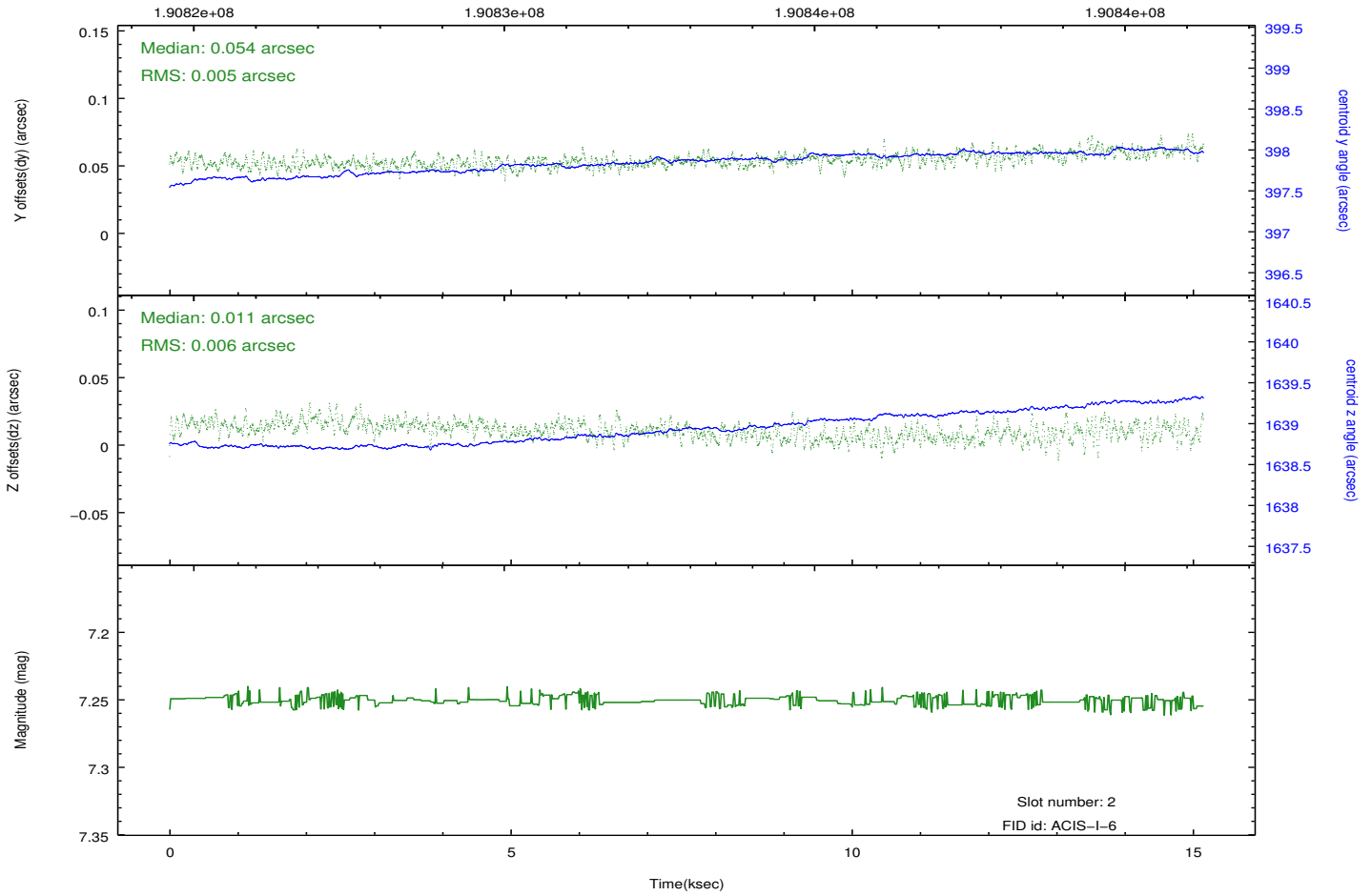
2.5.2 Slot 1



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.12.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.149

A.2 Comments