

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11729 - L2 Version 2
Chandra X-Ray Center

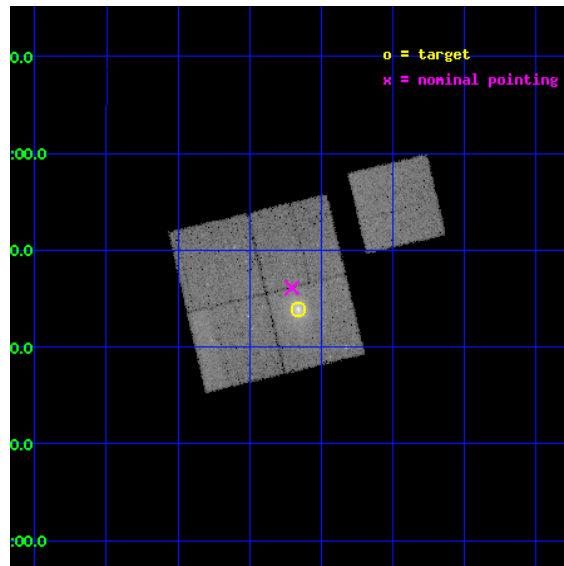
L2 Processing Date : Jun 15 2012

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

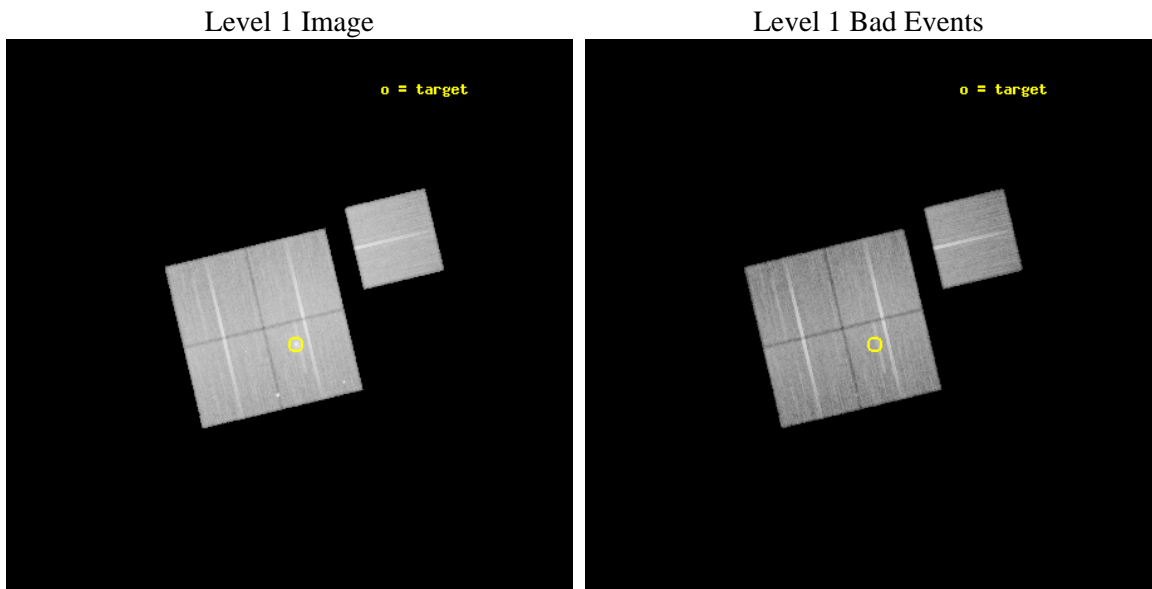
seq_num	800869	Sequence number
obs_id	11729	Observation id
title	Cosmology with a complete sample of 0.15	Proposal title
observer	Prof. Massimiliano Bonamente	Principal investigator
object	RX J0437.1+0043	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	69.290833	Observer's specified target RA [deg]
dec_targ	0.732222	Observer's specified target Dec [deg]
ra_nom	69.301390929226	Nominal RA [deg]
dec_nom	0.76844825397942	Nominal Dec [deg]
roll_nom	76.603580815972	Nominal Roll [deg]
revision	2	Processing version of data
ontime	30927.472296178	Sum of GTIs [s]
livetime	30523.382102155	Livetime [s]
ontime0	30924.208155811	Sum of GTIs [s]
ontime1	30924.249185979	Sum of GTIs [s]
ontime2	30924.290245771	Sum of GTIs [s]
ontime3	30927.472296178	Sum of GTIs [s]
ontime6	30921.026105523	Sum of GTIs [s]
l2events	132357	Number of level 2 events



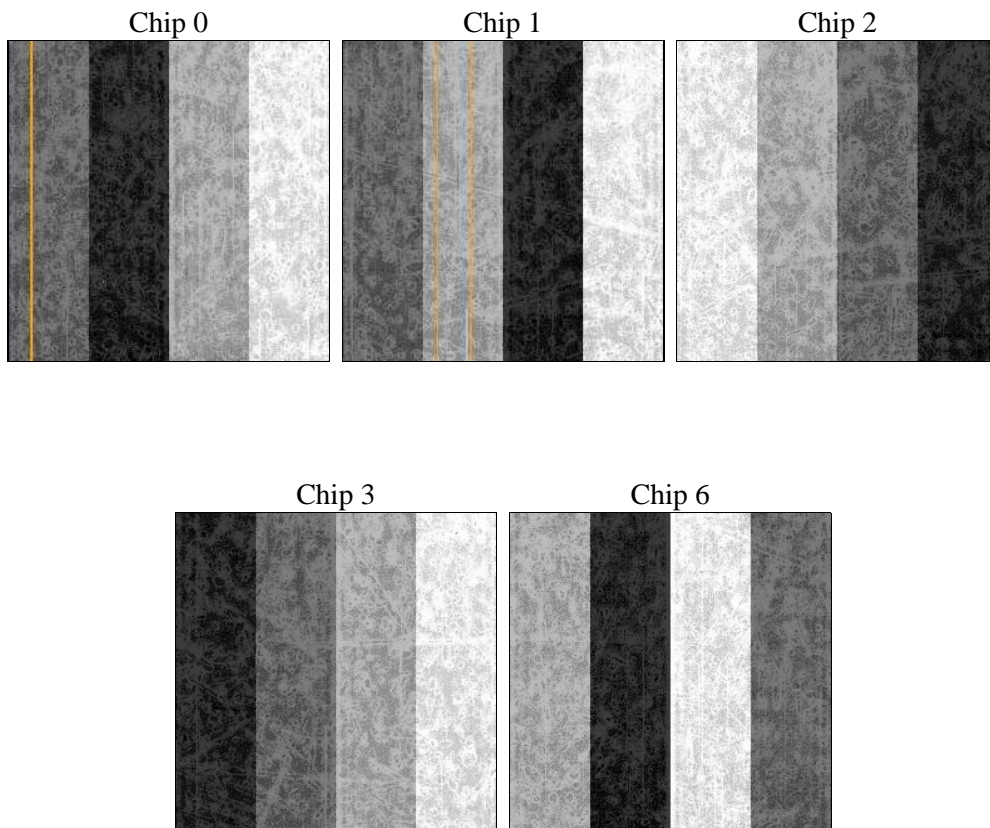
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	30886.506000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	30927.472296178	Sum of GTIs [s]
caldbver	4.4.10	 	ontime0	30924.208155811	Sum of GTIs [s]
date	2012-06-15T01:42:02	Date and time of file creation	ontime1	30924.249185979	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	30924.290245771	Sum of GTIs [s]
			ontime3	30927.472296178	Sum of GTIs [s]
			ontime6	30921.026105523	Sum of GTIs [s]
			l1events	1365069	Number of level 1 events

2.1.4 Events

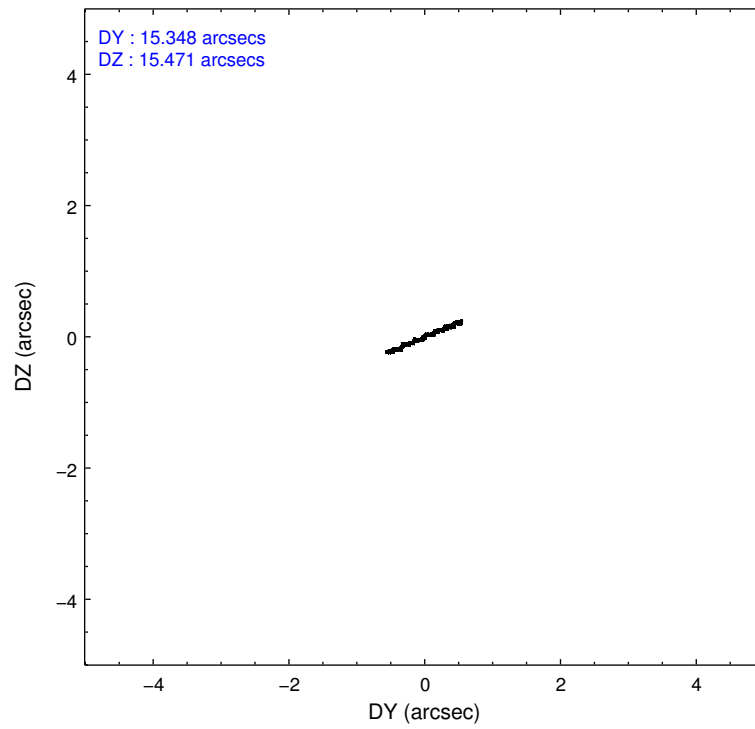
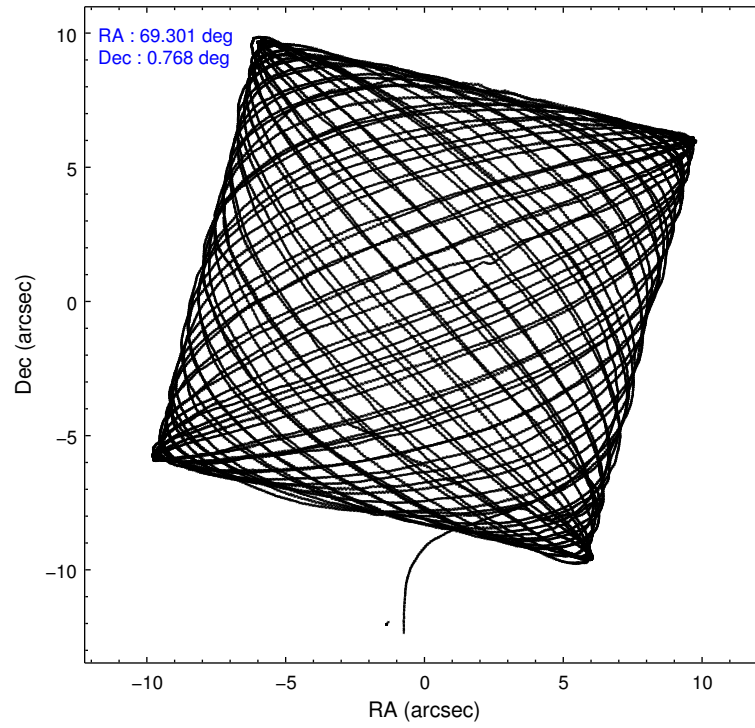
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	250924	261020	286440	288827	277858
rejected events	222886	227948	258947	247456	249483
rejected %	88%	87%	90%	85%	89%

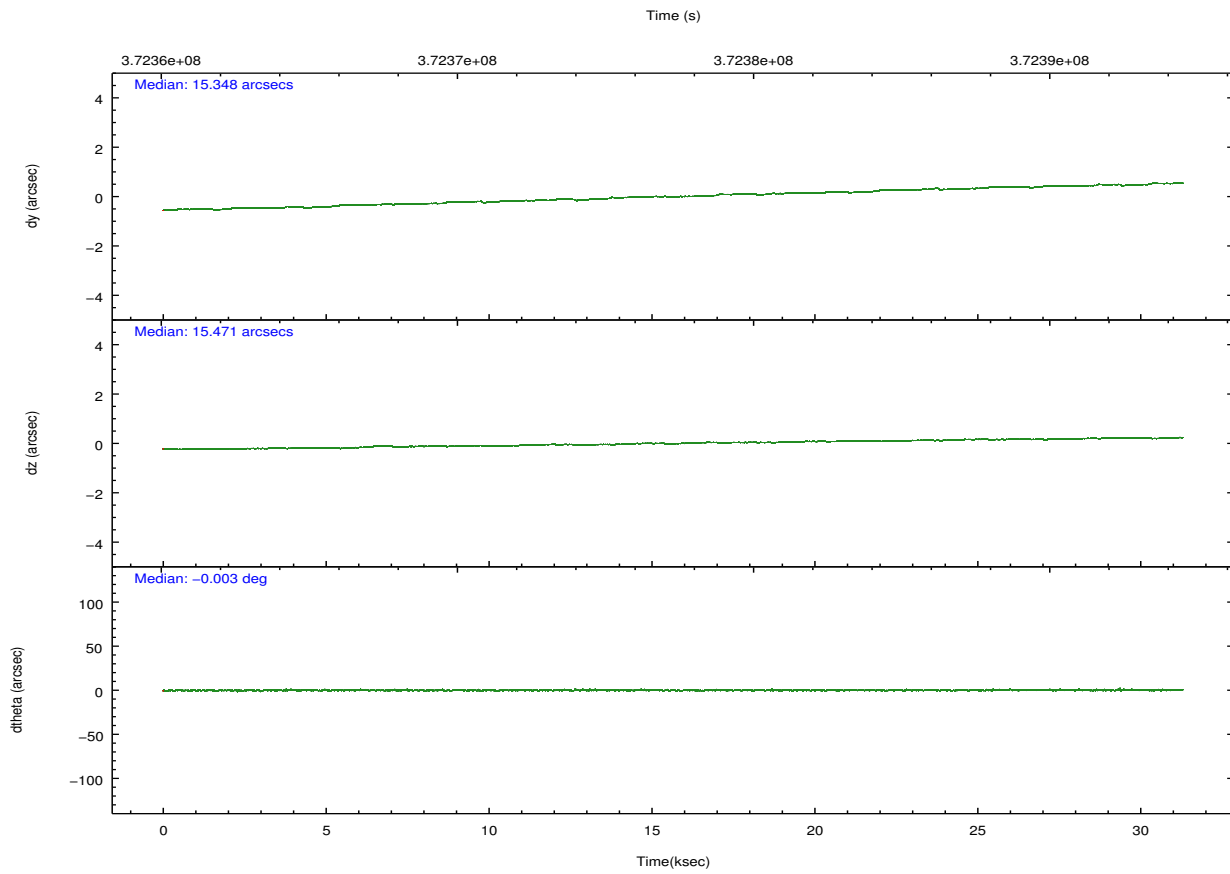
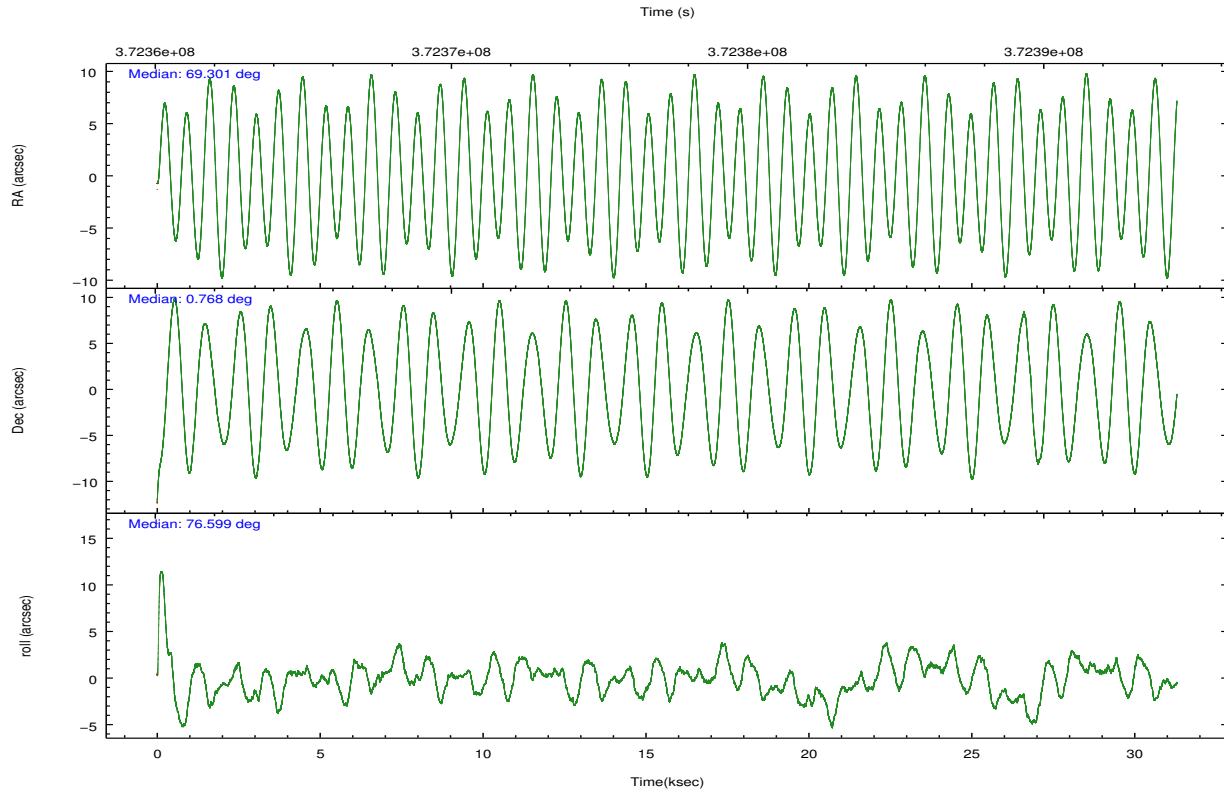
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	9746	12936	10063	21472	9691
	3%	4%	3%	7%	3%
grade 1 events	158	229	181	254	152
	0%	0%	0%	0%	0%
grade 2 events	6981	7208	6598	7468	6458
	2%	2%	2%	2%	2%
grade 3 events	3022	3303	2844	3390	2963
	1%	1%	0%	1%	1%
grade 4 events	2888	3273	3025	3317	3091
	1%	1%	1%	1%	1%
grade 5 events	10077	11087	9372	11313	11238
	4%	4%	3%	3%	4%
grade 6 events	5408	6360	4969	5736	6177
	2%	2%	1%	1%	2%
grade 7 events	212644	216624	249388	235877	238088
	84%	82%	87%	81%	85%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	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	69.309358	69.30139092922612	Subarray requested	NONE	NONE
[deg] Pointing Dec	0.742149	0.7684482539794169	Alternating exposures requested	N	N
[deg] Pointing Roll	76.394793	76.60358081597181	[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	-227.592463	-227.5933067819097			
[mm] SIM translation stage offset	-6	-5.999146221020027			
[s] Observation start time (MET)	372362039.184000	372361000.80488			
Observation start date	2009-10-19T17:52:53	2009-10-19T17:36:40			
[s] Observation end time (MET)	372392926.184000	372393161.719			
Observation end date	2009-10-20T02:27:40	2009-10-20T02:32:41			
Read mode	TIMED	TIMED			

2.3 Aspect



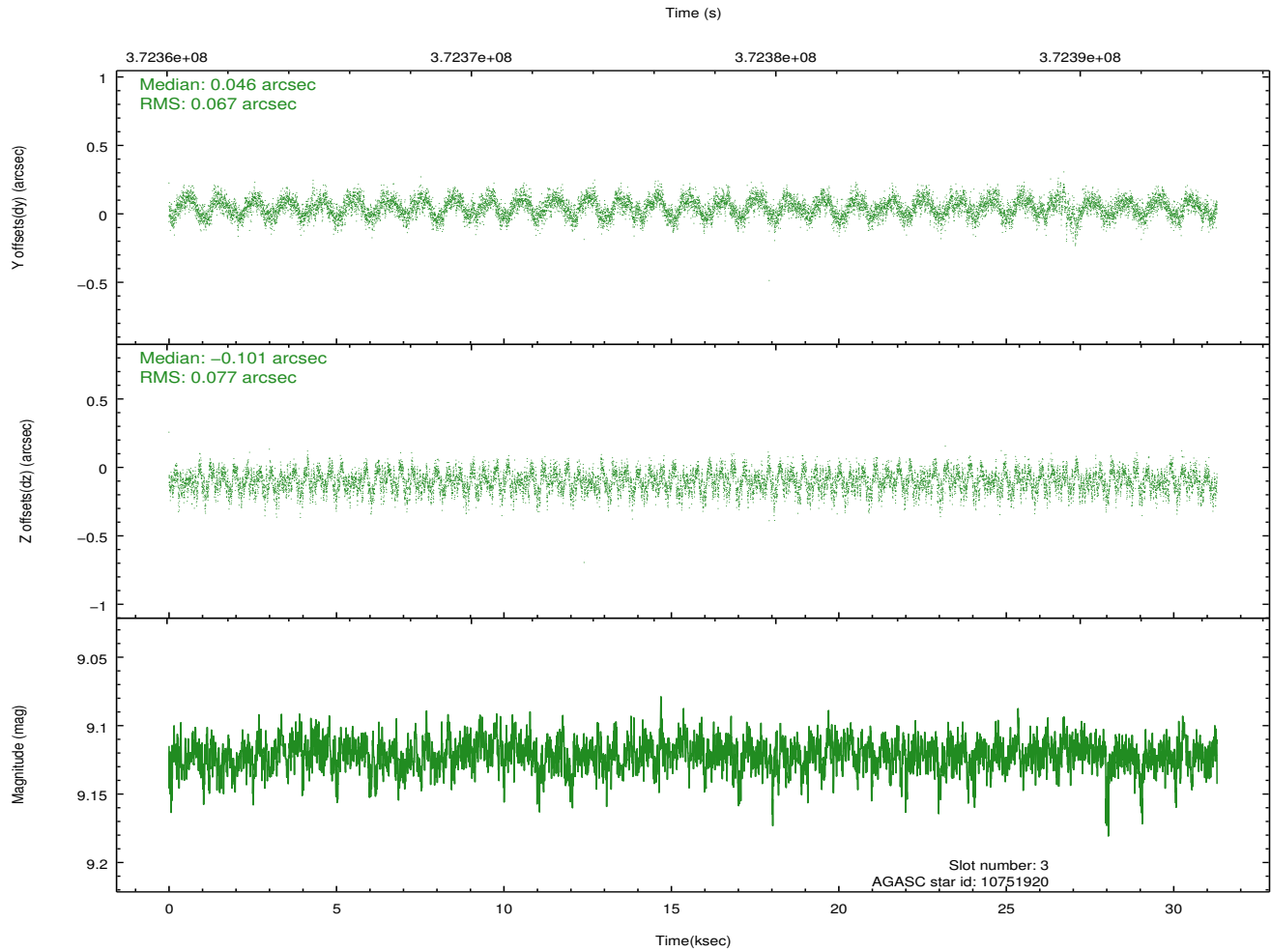
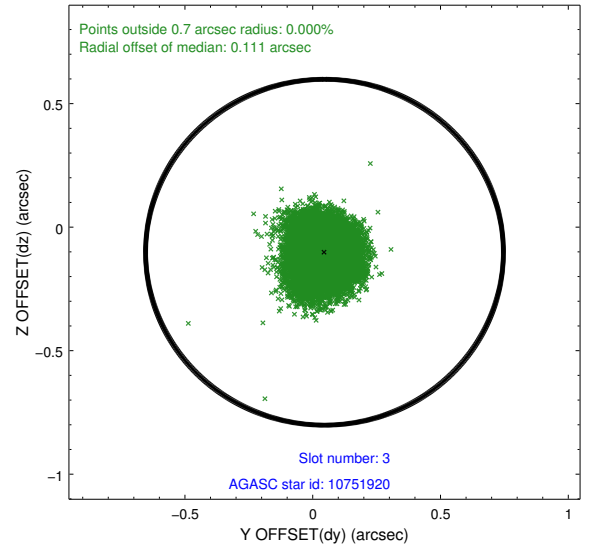
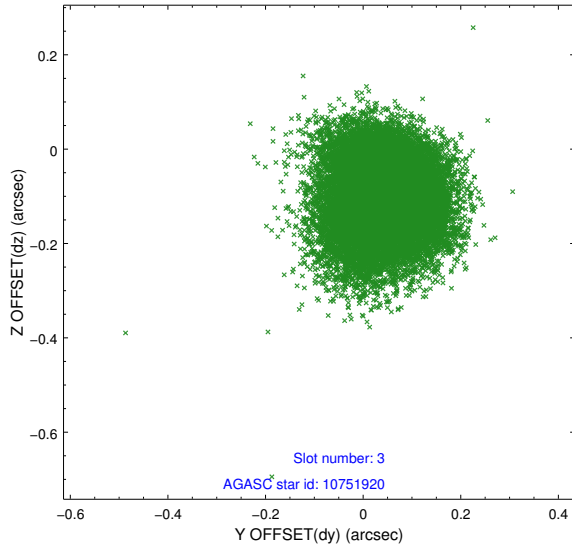


Slot Statistics

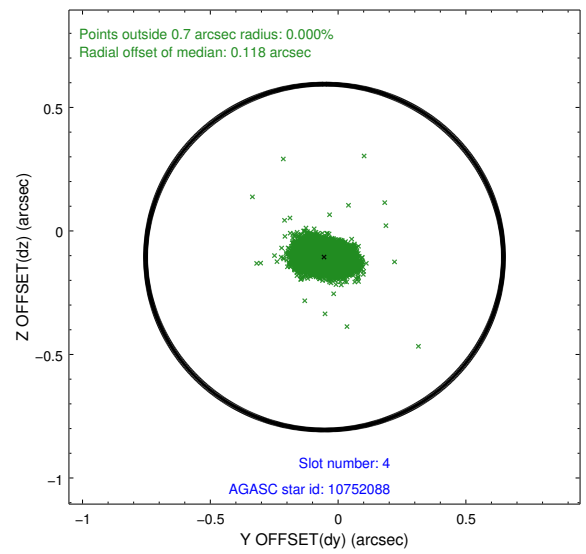
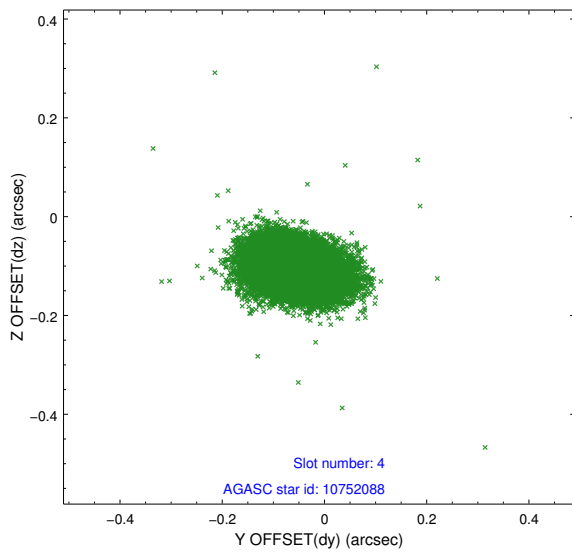
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.10	7634	0.101	-0.063	0.011	0.019	0.000000	0.000000	924.12	-962.25
1	FID	ACIS-I-5	7.08	7634	-0.295	0.077	0.007	0.012	0.000000	0.000000	-1824.40	935.26
2	FID	ACIS-I-6	7.09	7633	0.103	0.057	0.012	0.018	0.000000	0.000000	389.53	1579.88
3	GUIDE	10751920	9.12	15254	0.046	-0.101	0.109	0.172	69.058736	0.619382	-641.32	773.00
4	GUIDE	10752088	7.98	15264	-0.053	-0.106	0.060	0.101	68.974303	0.386712	-1527.69	871.67
5	GUIDE	10753384	9.21	15220	-0.166	-0.170	0.082	0.134	69.348690	1.244445	1790.94	287.79
6	GUIDE	10887752	8.83	15256	0.087	0.141	0.087	0.140	69.745378	0.520046	-407.03	-1713.56
7	GUIDE	10887808	8.54	15252	0.086	0.234	0.085	0.130	69.787881	0.318216	-1077.61	-2032.90

2.4 Star Slots

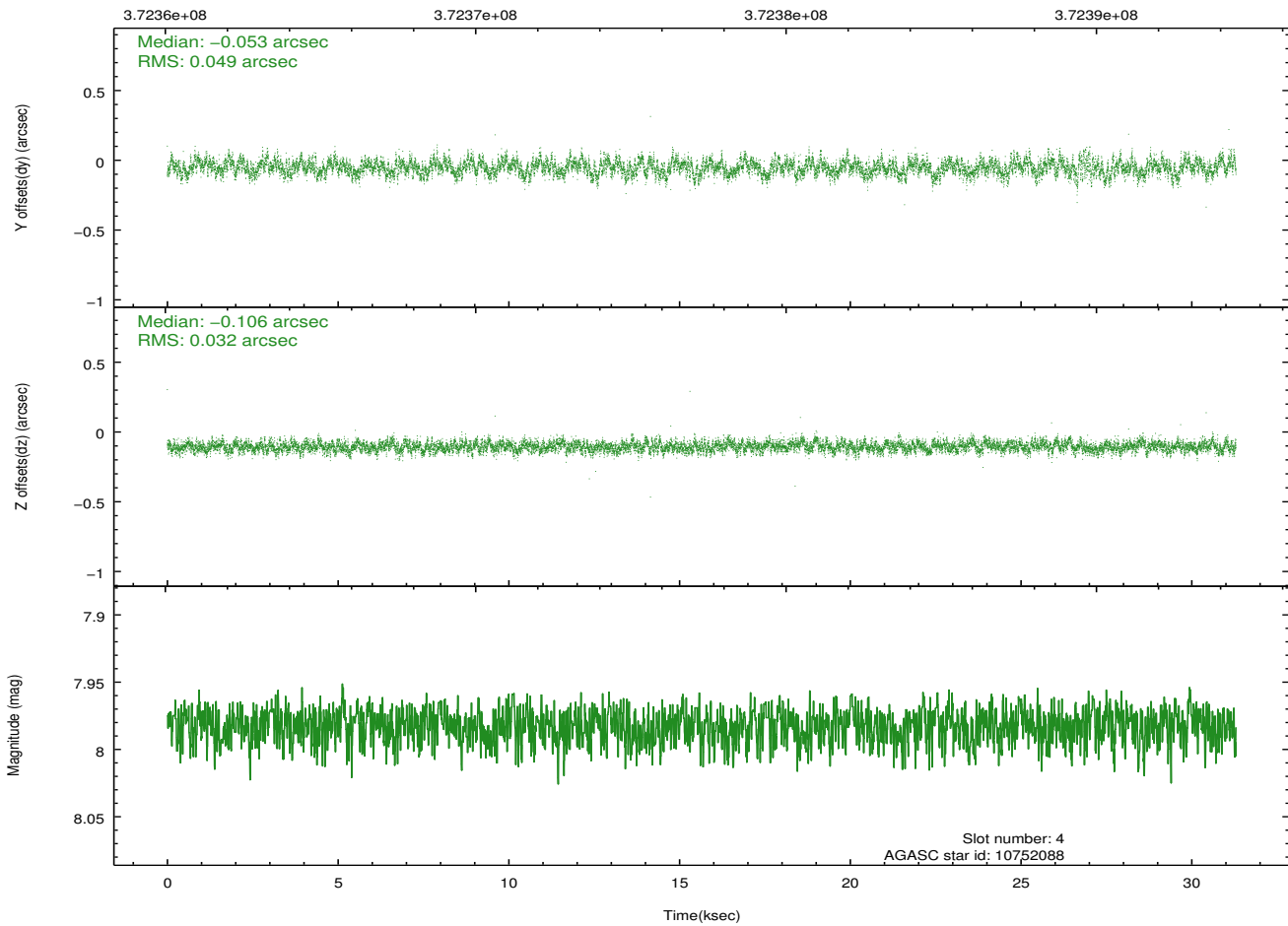
2.4.1 Slot 3



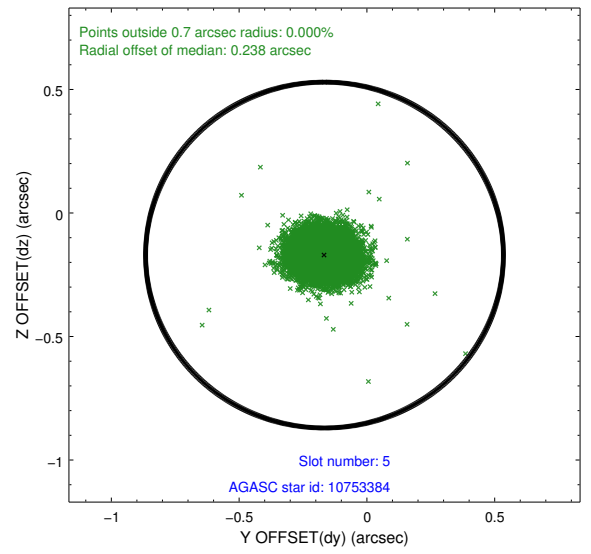
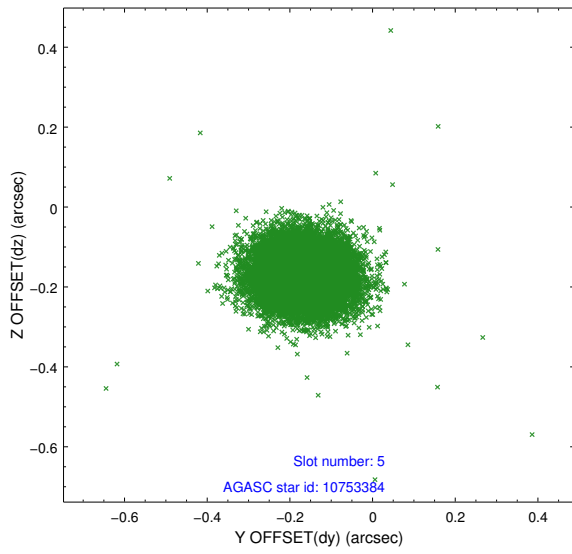
2.4.2 Slot 4



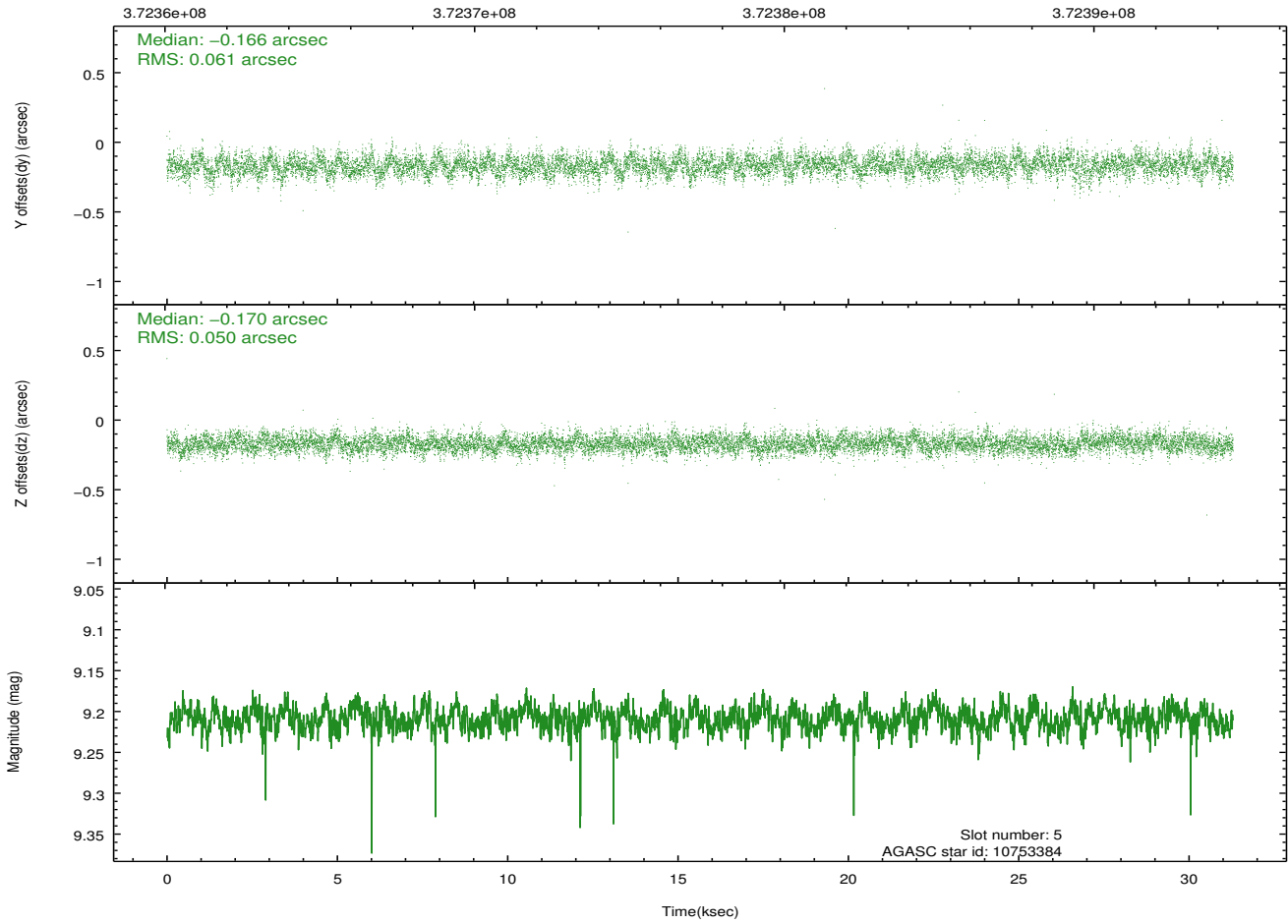
Time (s)



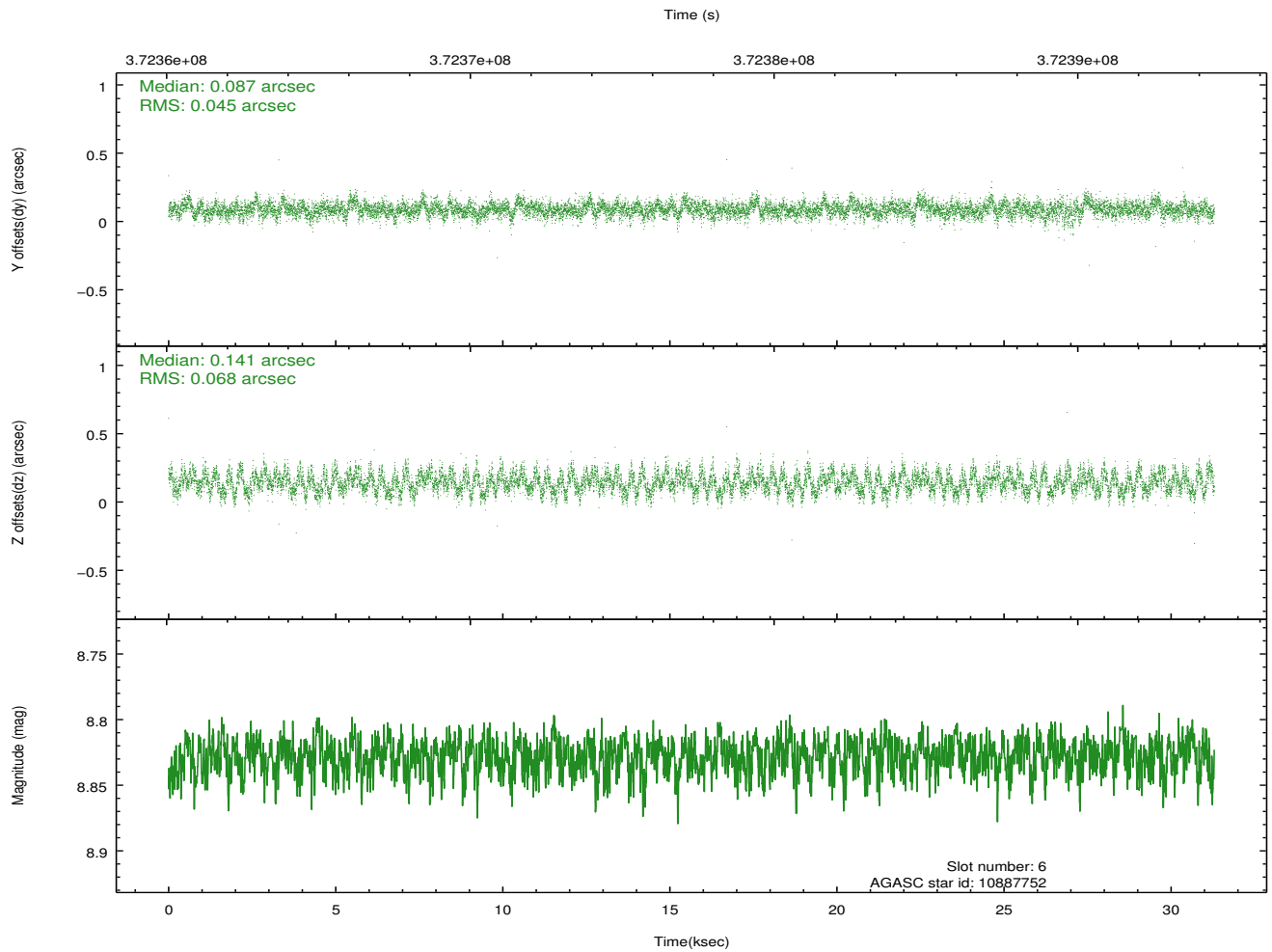
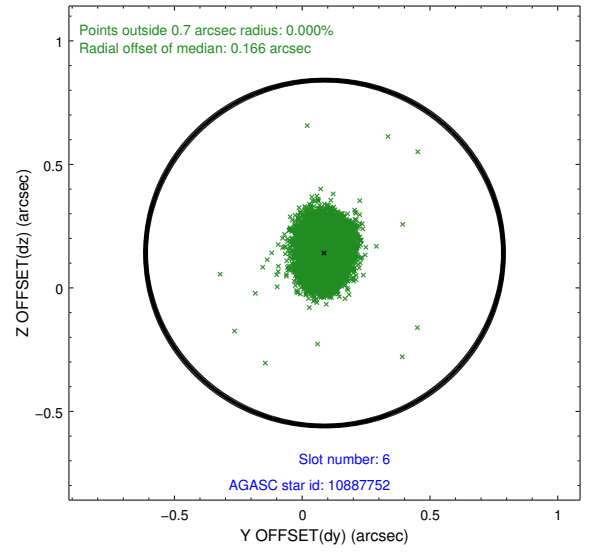
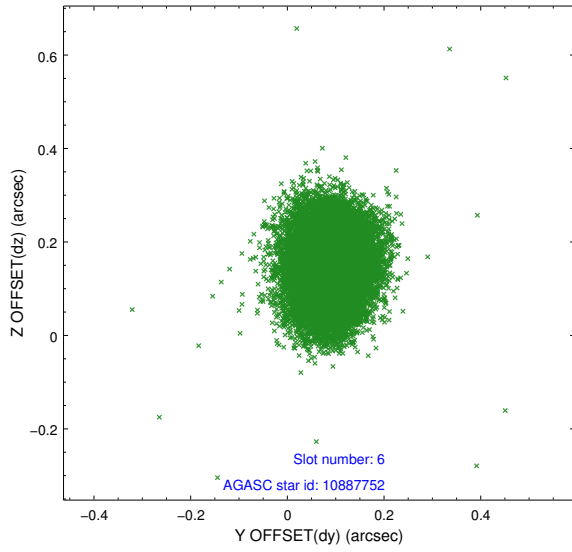
2.4.3 Slot 5



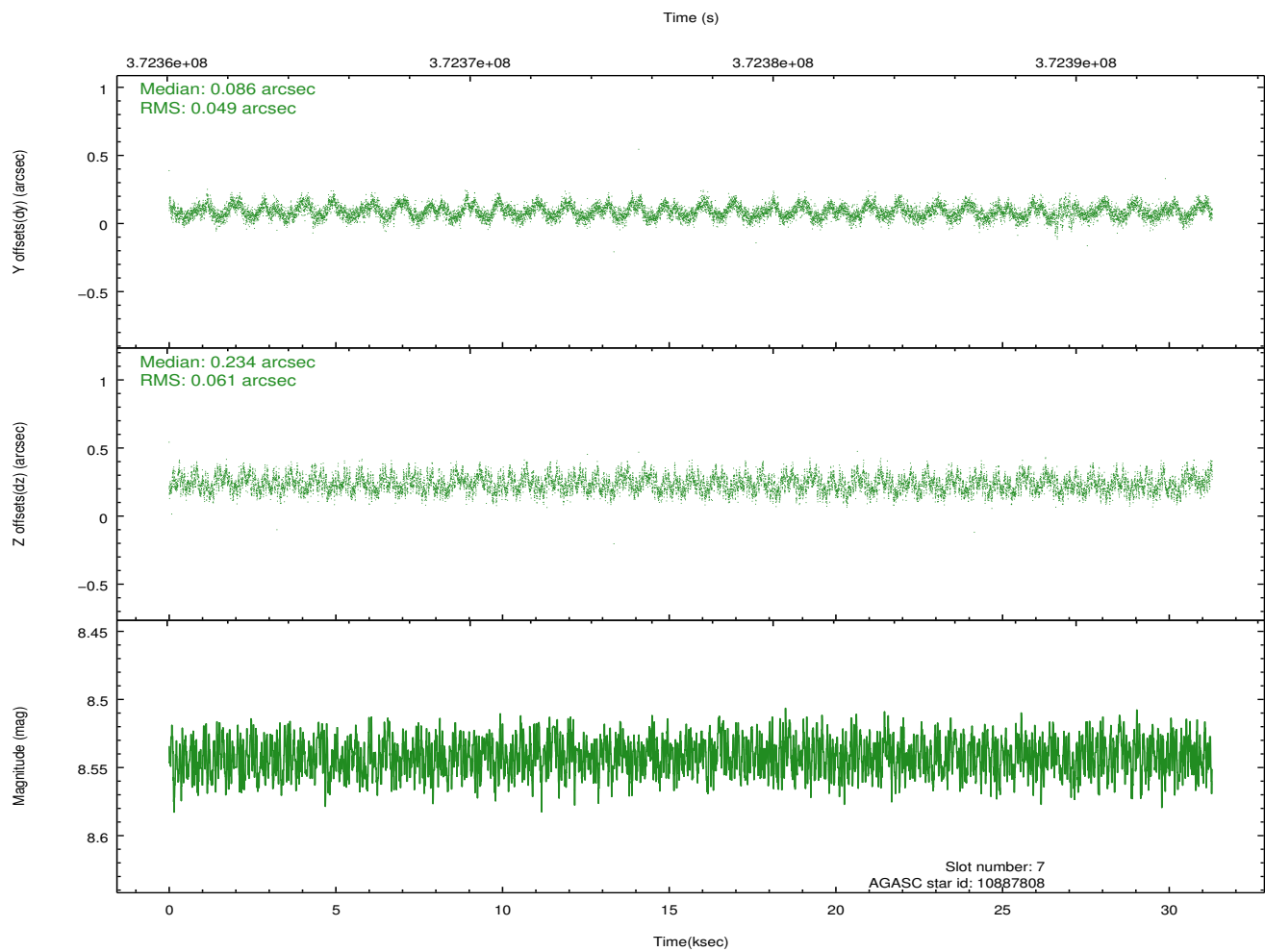
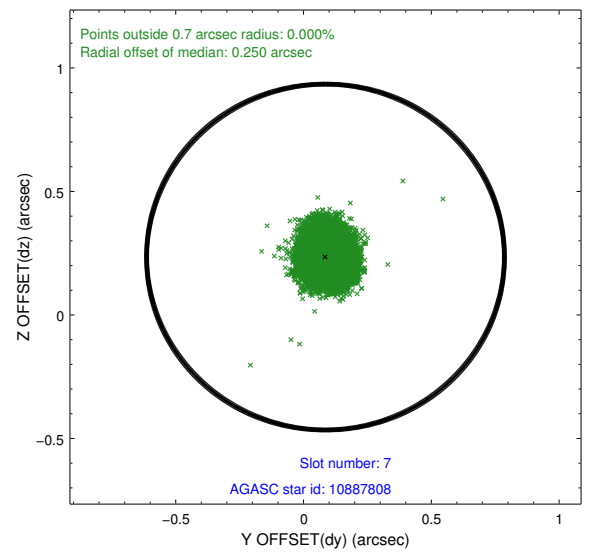
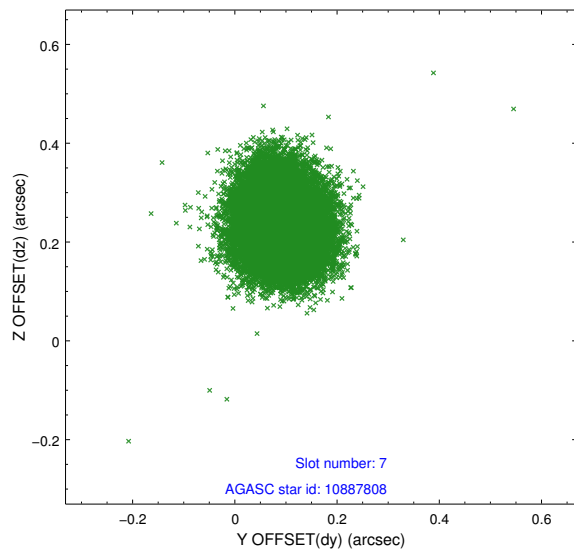
Time (s)



2.4.4 Slot 6

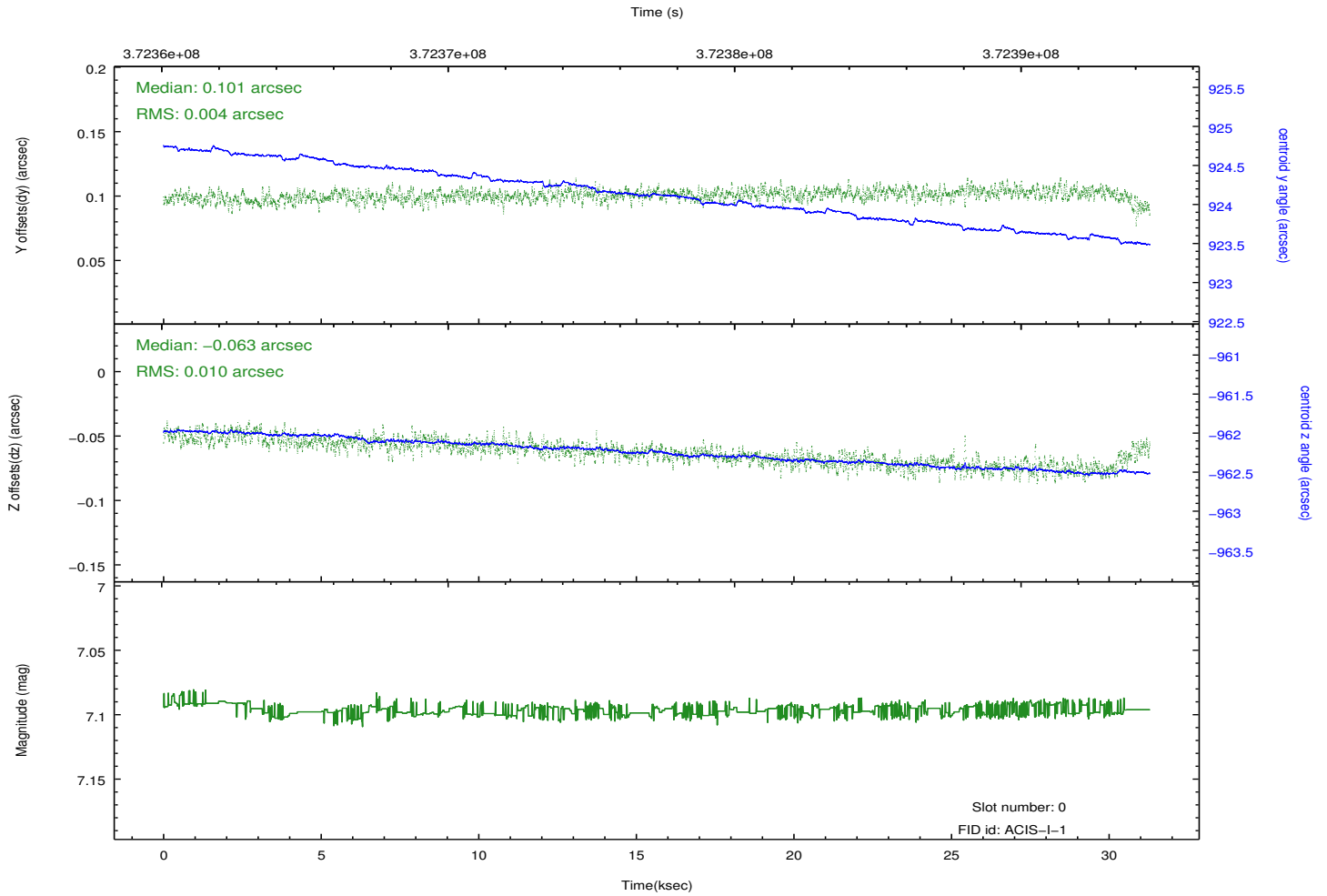
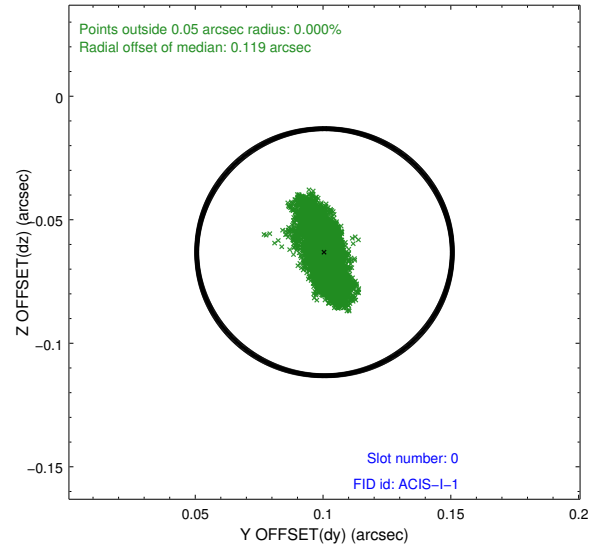
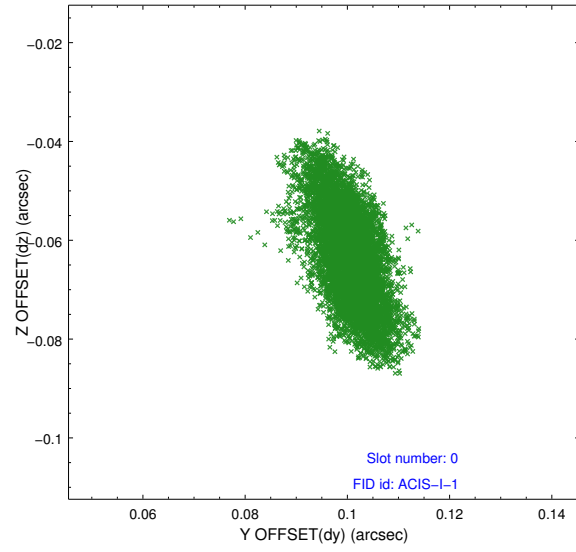


2.4.5 Slot 7

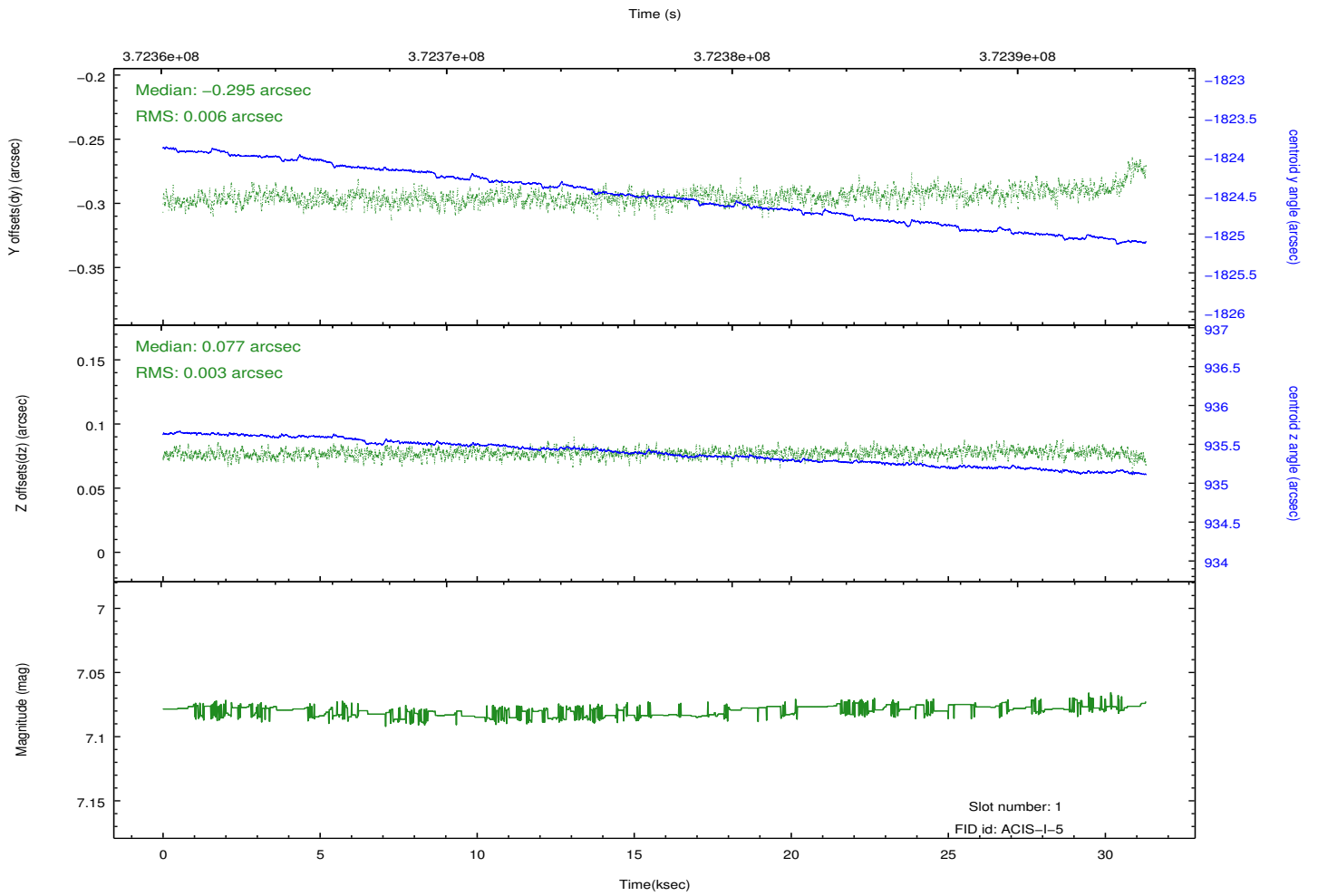
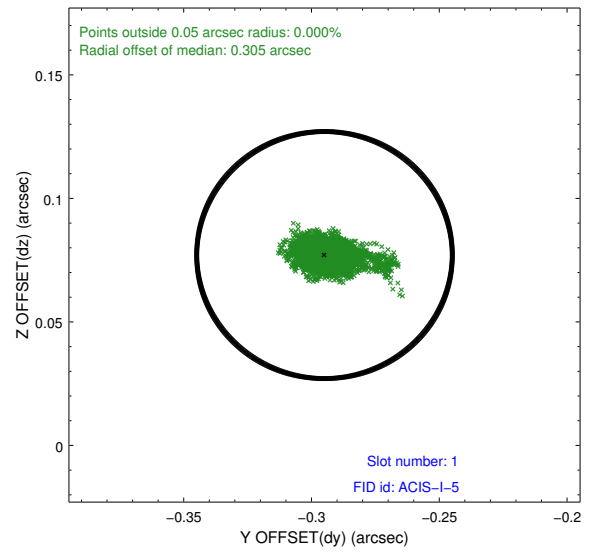
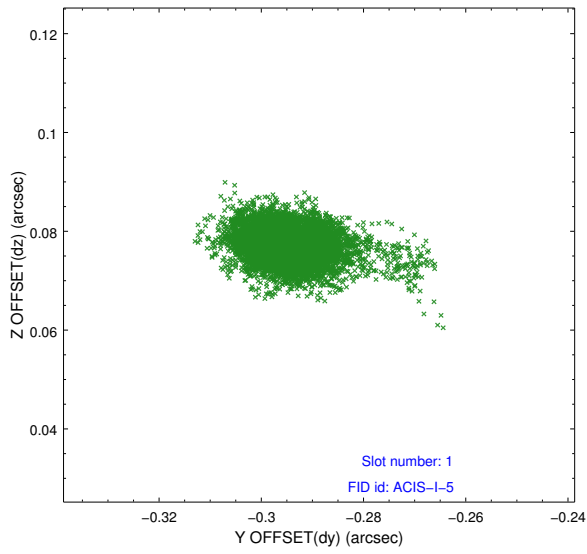


2.5 FID Slots

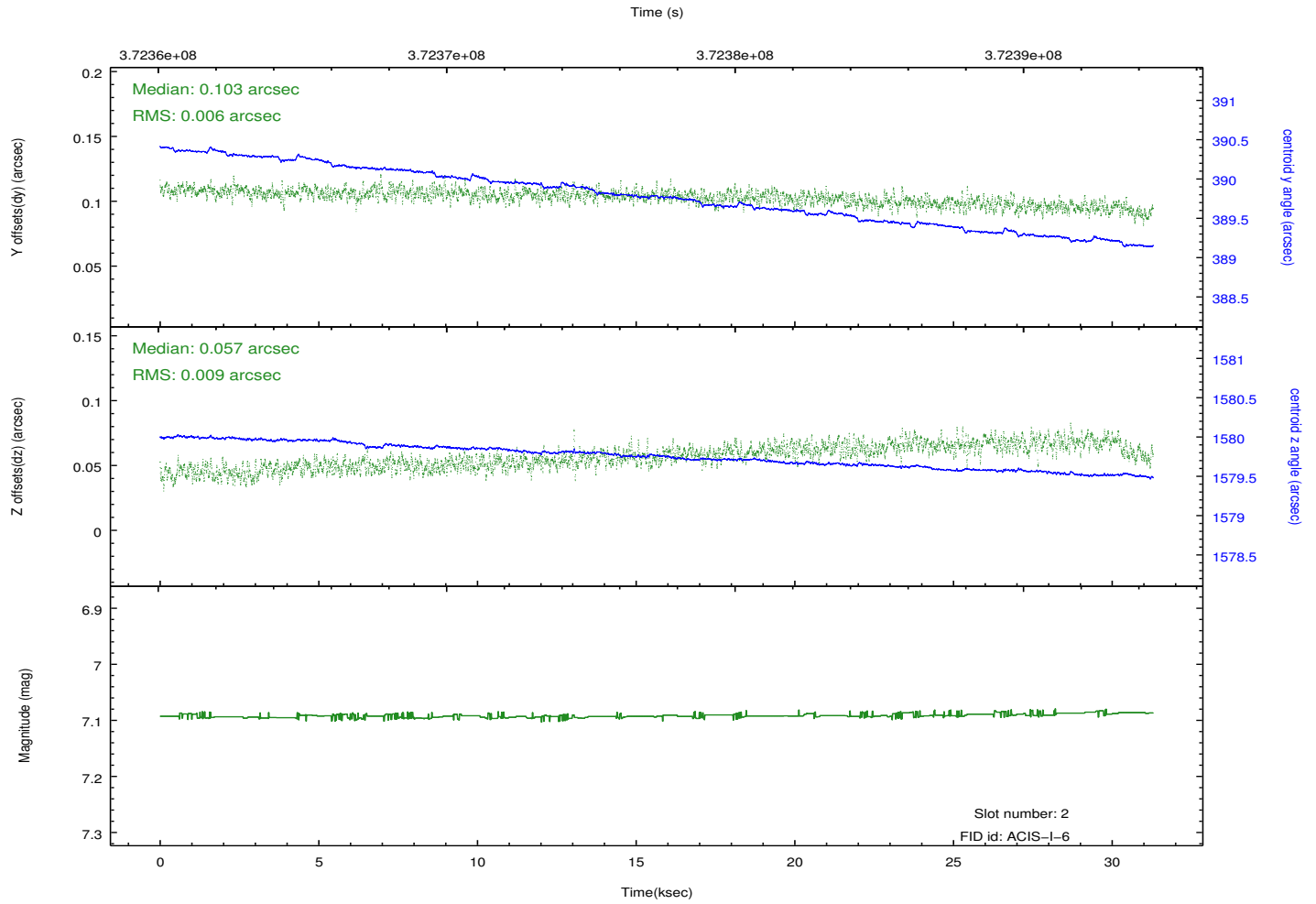
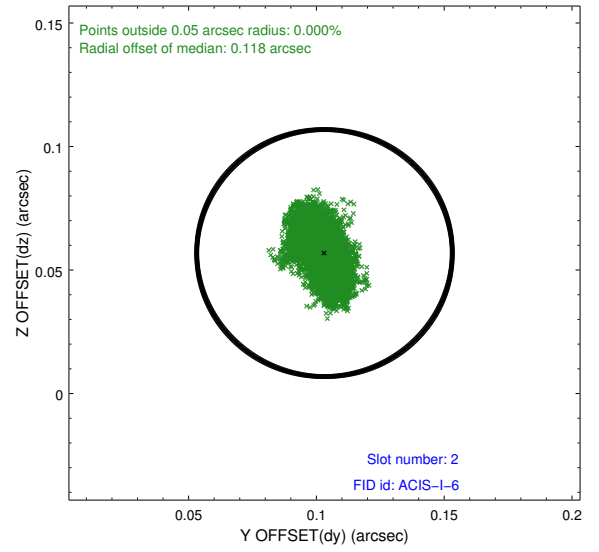
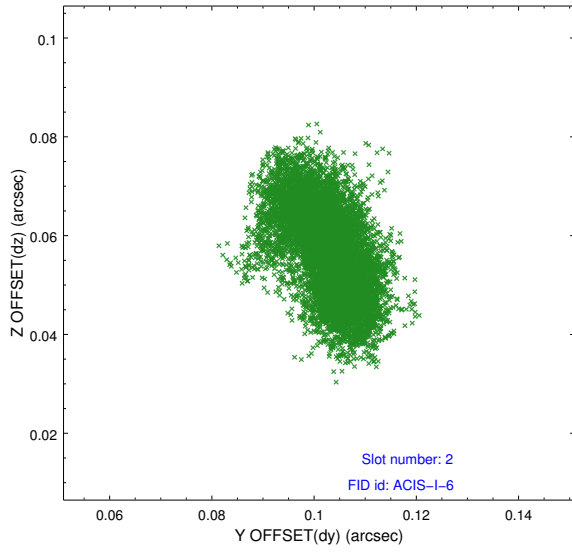
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.927472298563

A.2 Comments