

V&V Reference Report

L2 ASCDS Version : 10.3.1

Observation 17089 - L2 Version 1
Chandra X-Ray Center

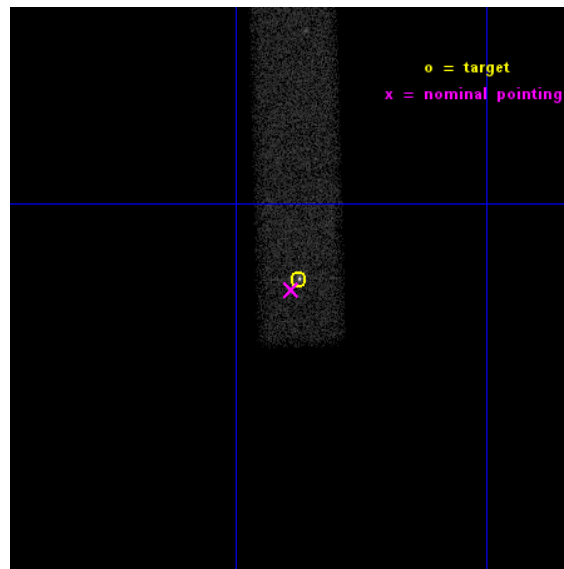
L2 Processing Date : Dec 10 2014

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

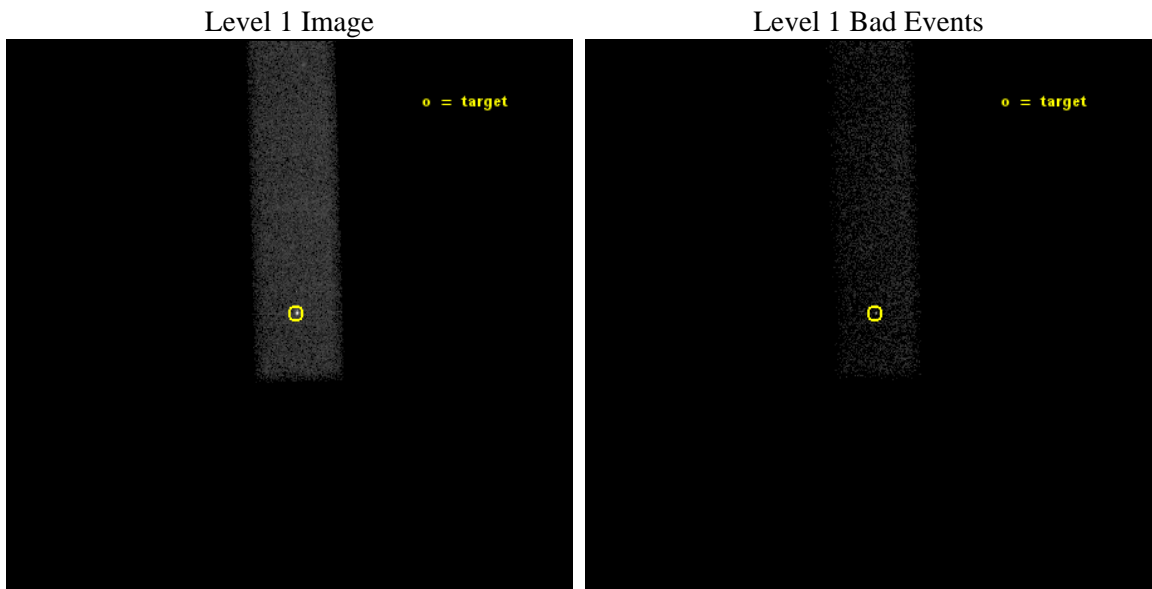
seq_num	703093	Sequence number
obs_id	17089	Observation id
title	Solving the X-ray Origin Problem in Large-scale Jets with Chandra and Fermi Observations	Proposal title
observer	Dr Eileen Meyer	Principal investigator
object	0234+285	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	39.468333	Observer's specified target RA [deg]
dec_targ	28.8025	Observer's specified target Dec [deg]
ra_nom	39.472105961474	Nominal RA [deg]
dec_nom	28.798183898125	Nominal Dec [deg]
roll_nom	268.34660107668	Nominal Roll [deg]
revision	1	Processing version of data
ontime	40060.000597	Sum of GTIs [s]
livetime	38105.203649767	Livetime [s]
ontime7	40060.000597	Sum of GTIs [s]
l2events	34287	Number of level 2 events



2 OBI

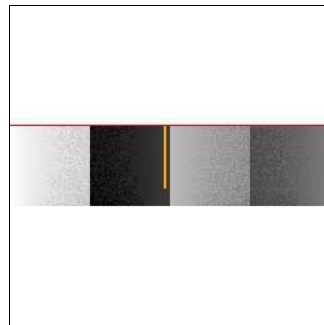
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	40000.000000	[s] Scheduled observation exposure time
ascdsver	10.3.1	Processing system revision	ontime	40060.000597	Sum of GTIs [s]
caldbver	4.6.4	 	ontime7	40060.000597	Sum of GTIs [s]
date	2014-12-10T12:11:27	Date and time of file creation	l1events	60819	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

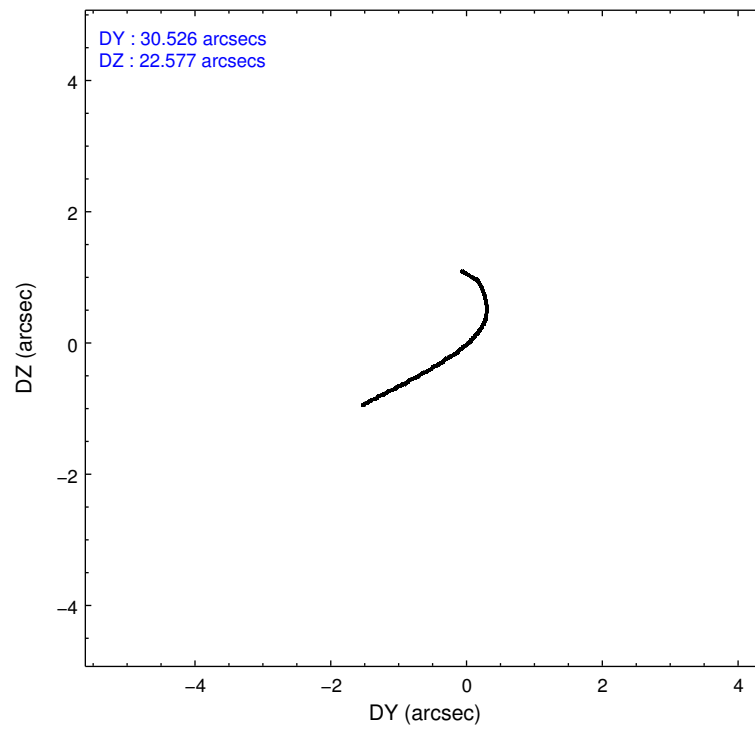
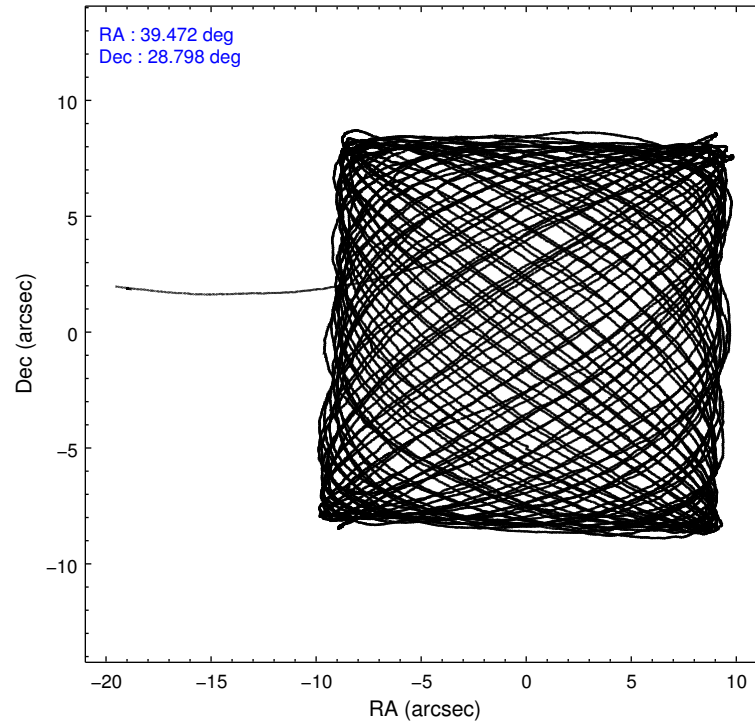
	ccd 7
level 1 events	60819
rejected events	25592
rejected %	42%

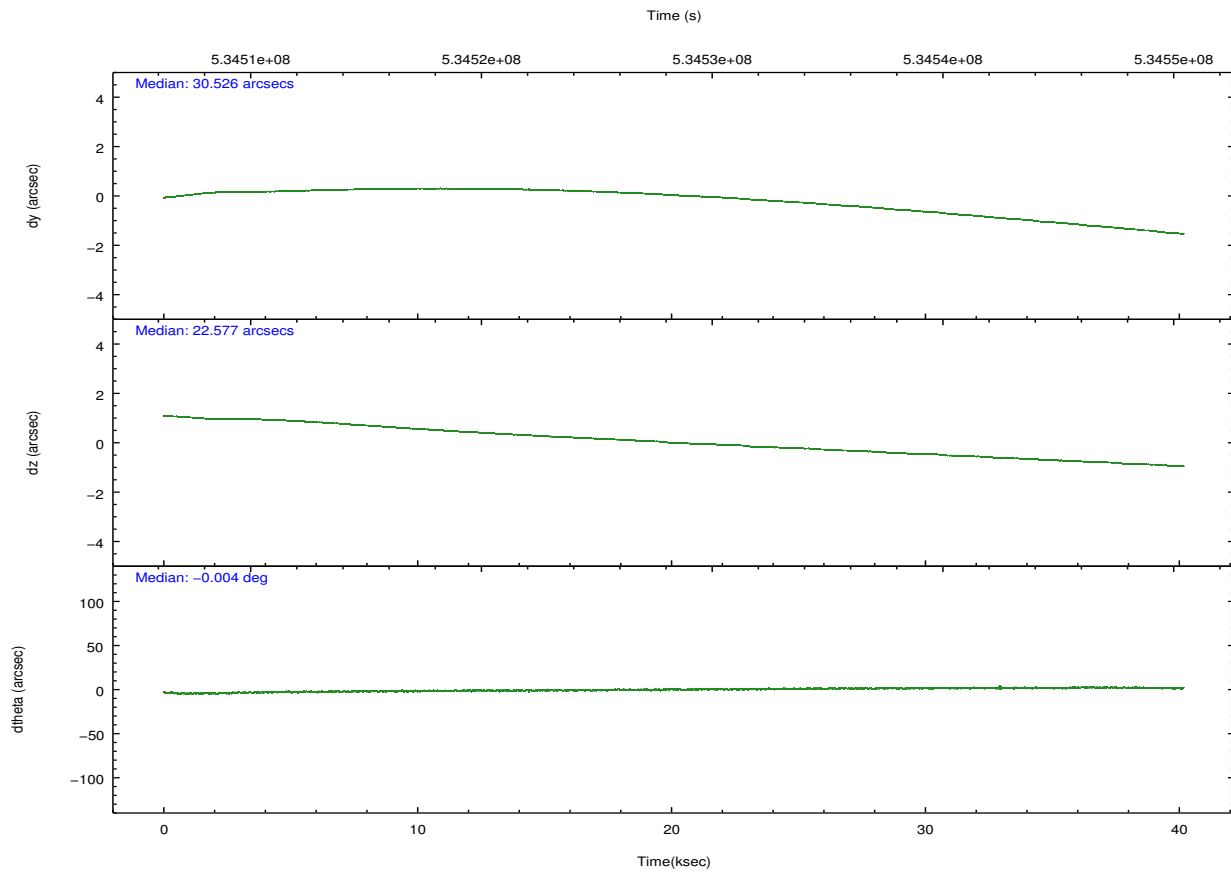
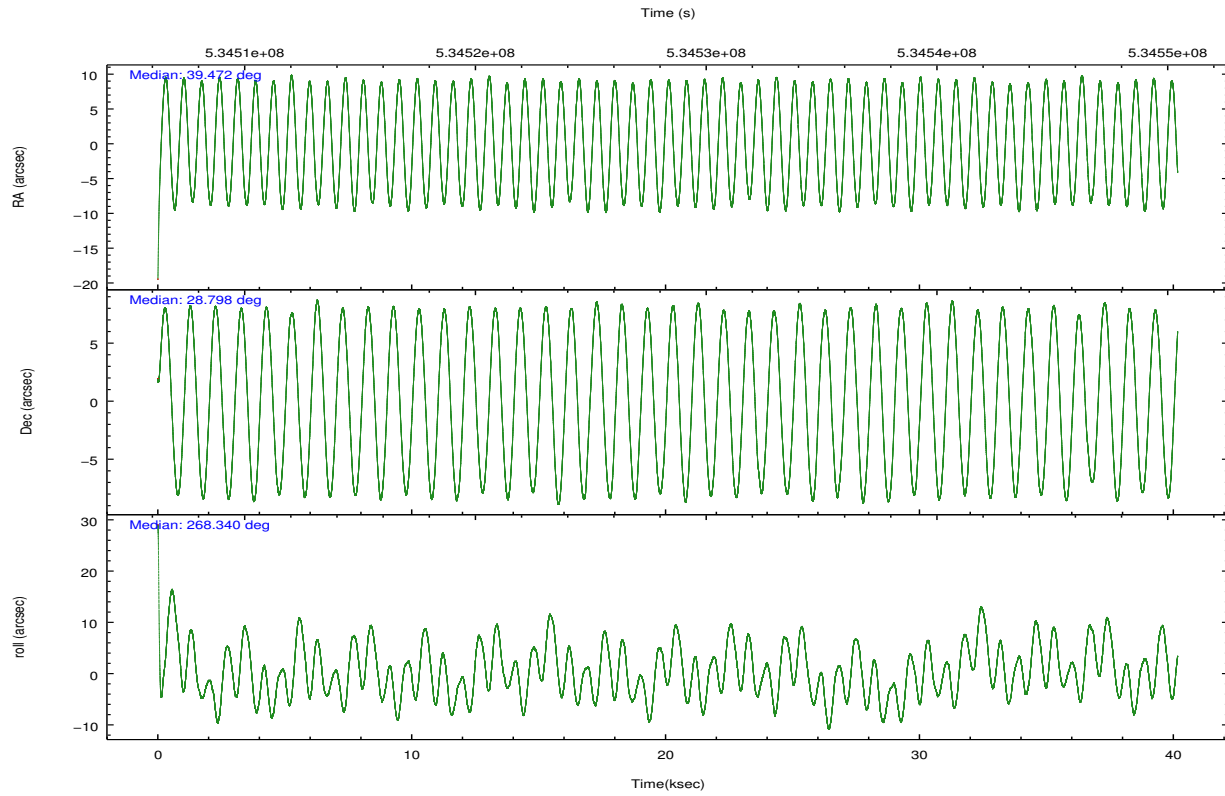
	ccd 7
grade 0 events	4682
	7%
grade 1 events	101
	0%
grade 2 events	7757
	12%
grade 3 events	3967
	6%
grade 4 events	4035
	6%
grade 5 events	5763
	9%
grade 6 events	14786
	24%
grade 7 events	19728
	32%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	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	39.456853	39.47210596147428	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	28.822162	28.79818389812487	Subarray start row	385	385
[deg] Pointing Roll	268.197318	268.3466010766754	Subarray row count	256	256
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.8
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	534508428.184000	534506874.03067			
Observation start date	2014-12-09T10:32:41	2014-12-09T10:07:54			
[s] Observation end time (MET)	534548428.184000	534549501.2206			
Observation end date	2014-12-09T21:39:21	2014-12-09T21:58:21			
Read mode	TIMED	TIMED			

2.3 Aspect





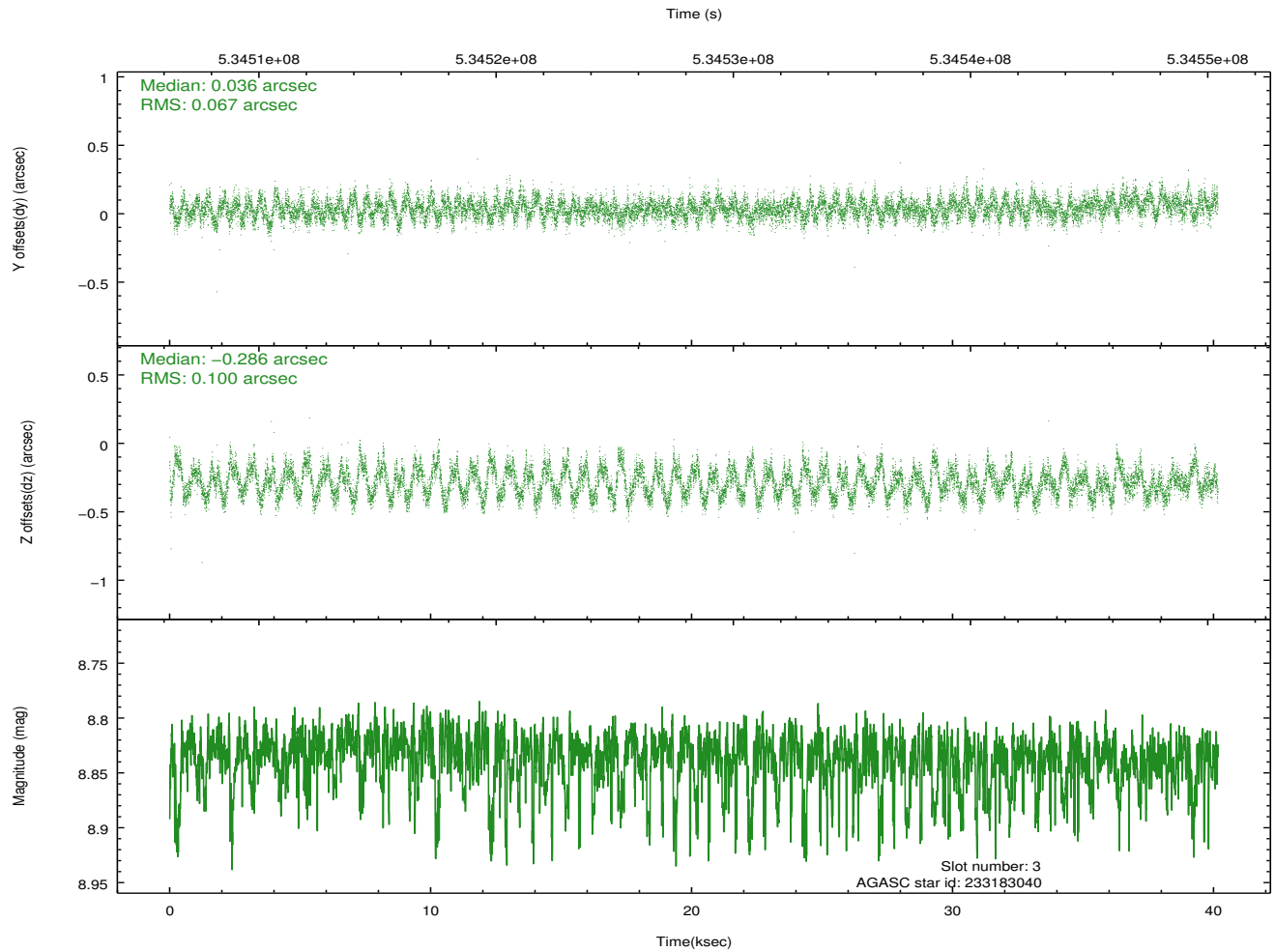
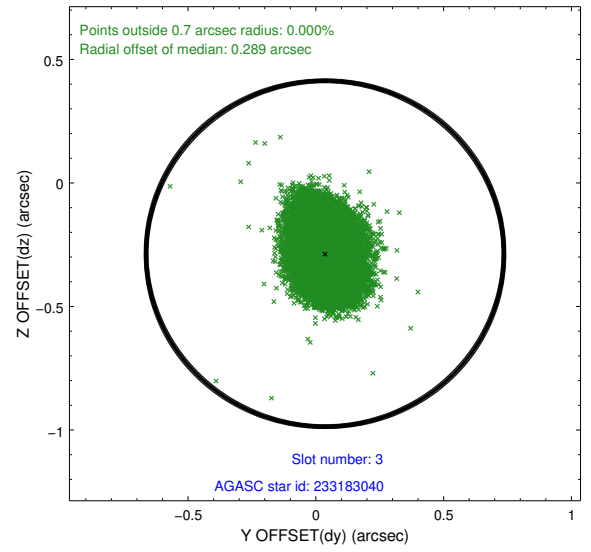
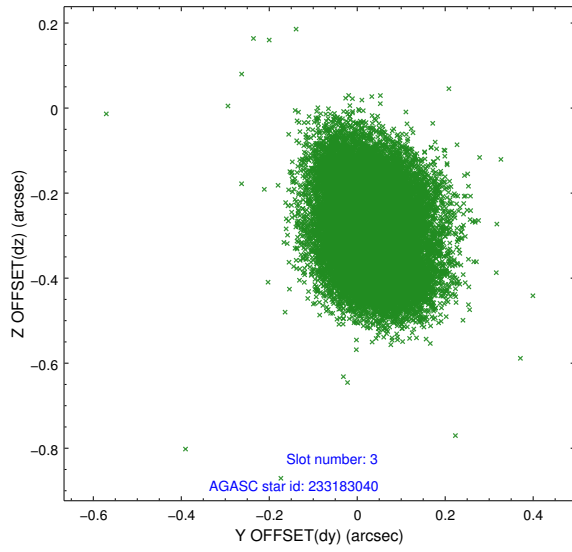
Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.11	9798	-0.237	-0.085	0.014	0.021	0.000000	0.000000	-783.91	-1744.29
1	FID		ACIS-S-4	7.21	9798	0.467	0.137	0.016	0.029	0.000000	0.000000	2130.07	164.40
2	FID		ACIS-S-5	7.24	9798	-0.263	-0.045	0.015	0.025	0.000000	0.000000	-1836.76	157.90
3	GUIDE	used	233183040	8.83	19588	0.036	-0.286	0.129	0.202	39.451381	28.335117	1753.88	38.37
4	GUIDE	used	233186296	8.48	19590	0.222	0.328	0.082	0.136	38.928418	29.221701	-1387.82	-1704.11
5	GUIDE	used	233187392	8.94	19576	-0.207	-0.016	0.131	0.207	39.589876	28.682211	490.43	435.78
6	GUIDE	used	233188480	8.63	19590	0.124	0.109	0.096	0.155	39.072560	28.563518	967.75	-1184.67
7	GUIDE	used	233317856	9.42	19569	-0.178	-0.132	0.146	0.234	40.058244	28.587465	781.54	1927.69

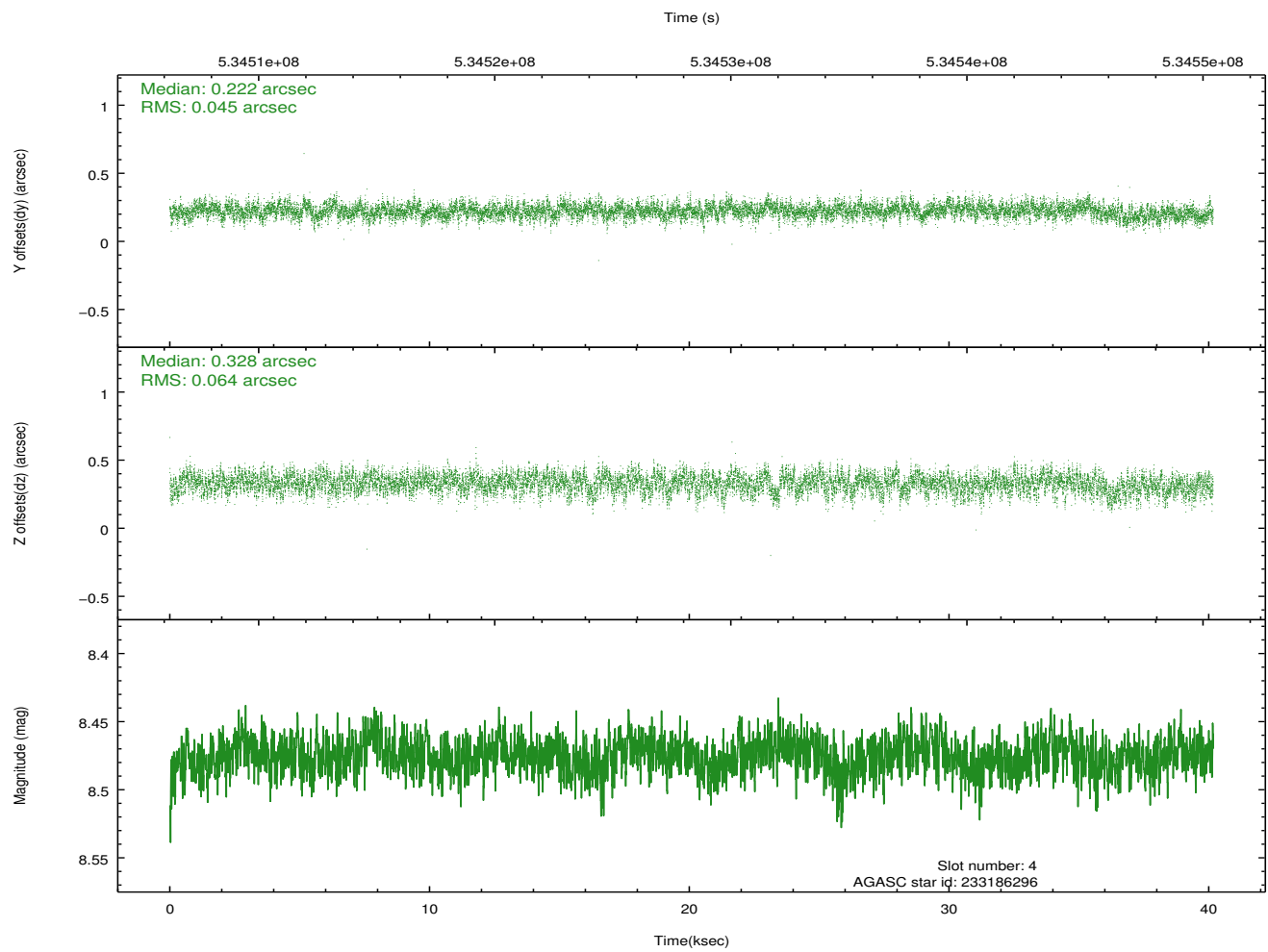
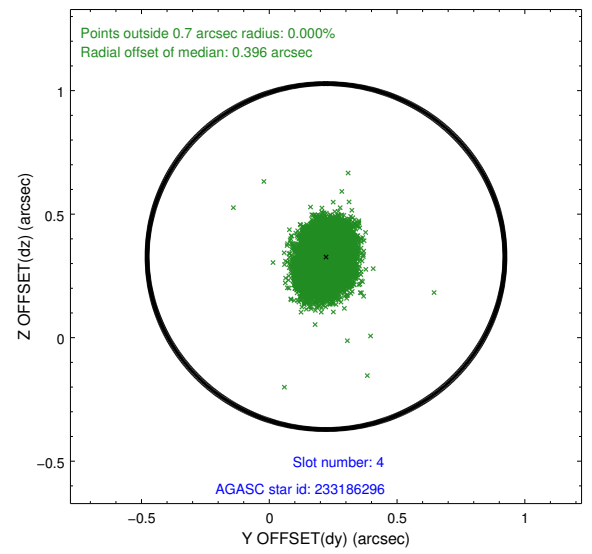
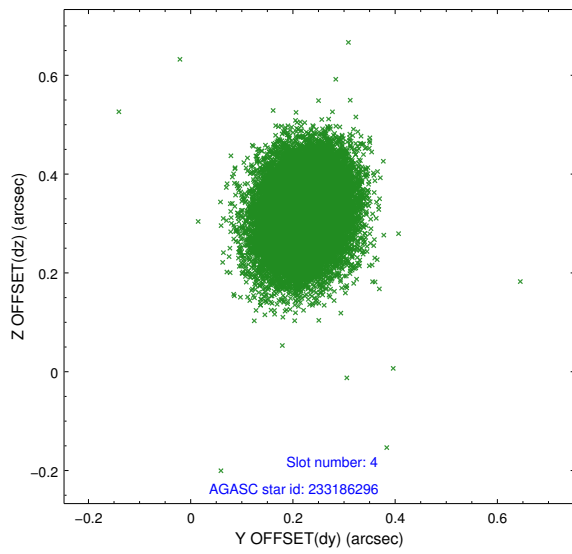
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2.4 Star Slots

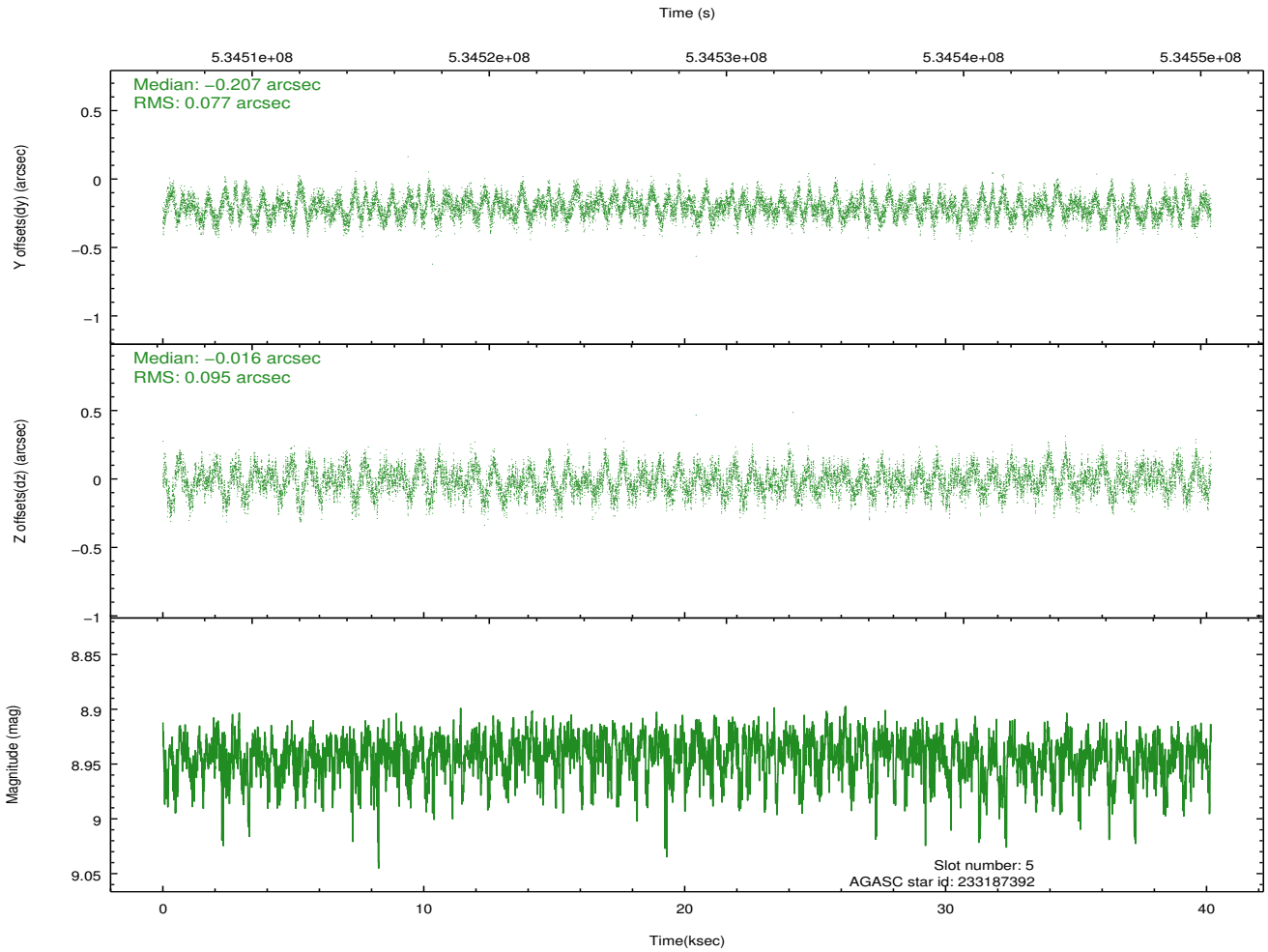
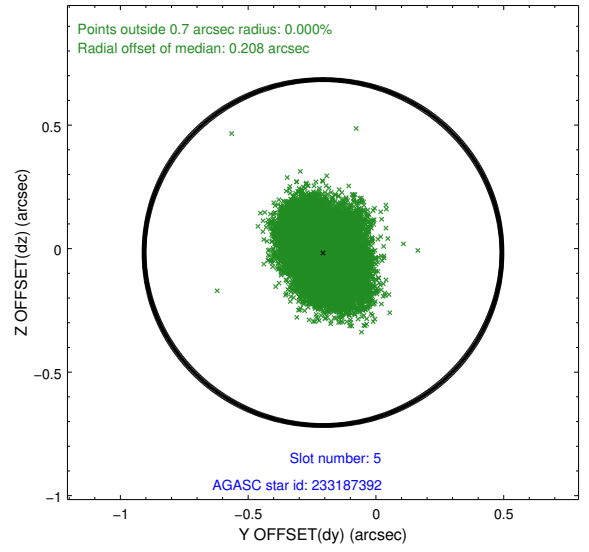
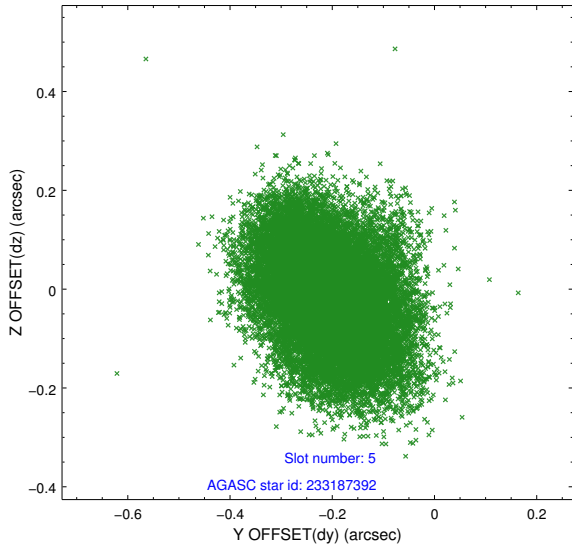
2.4.1 Slot 3



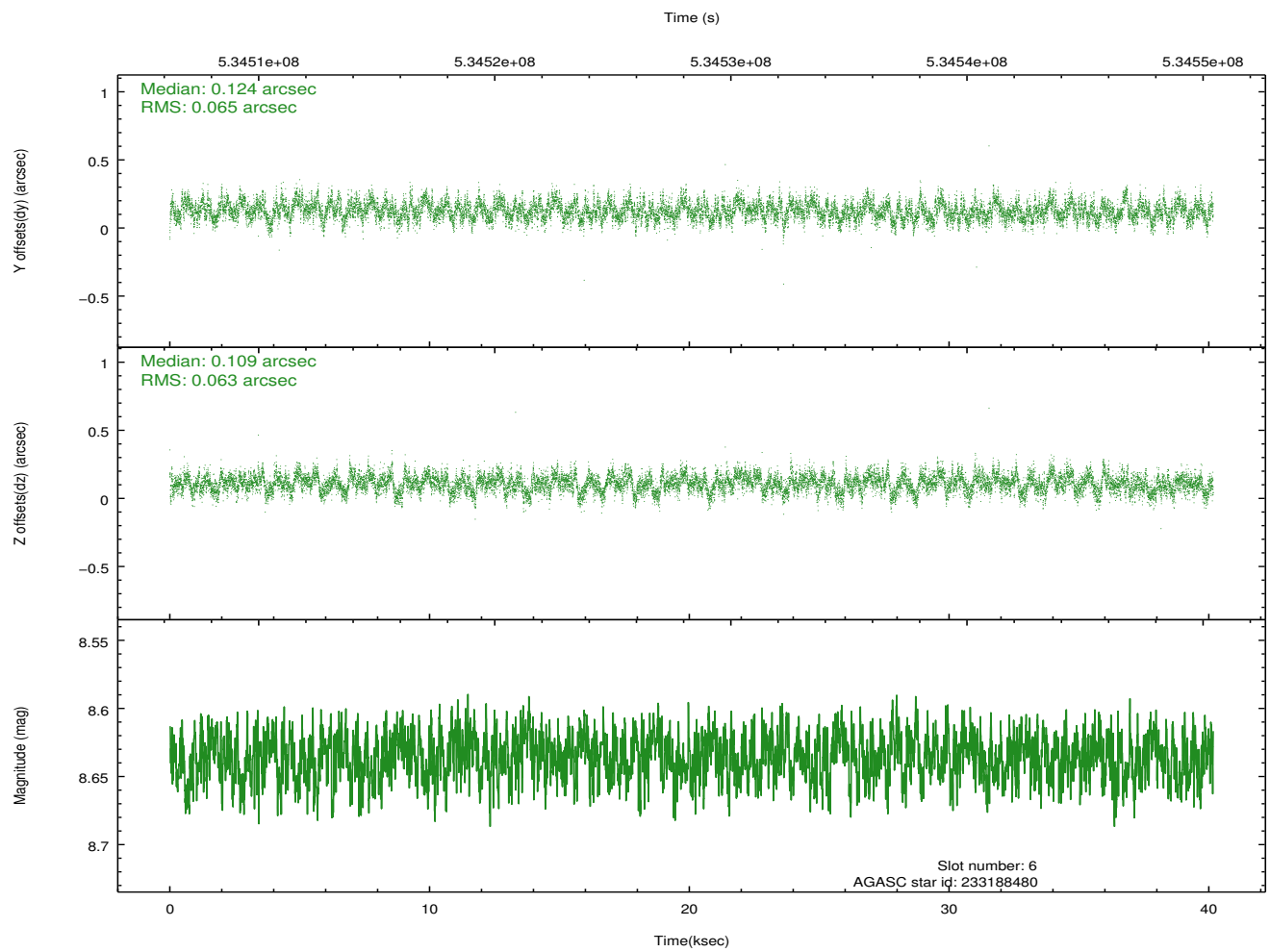
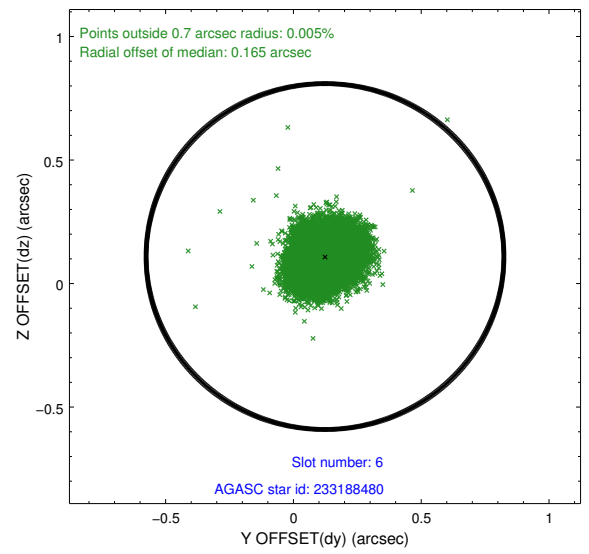
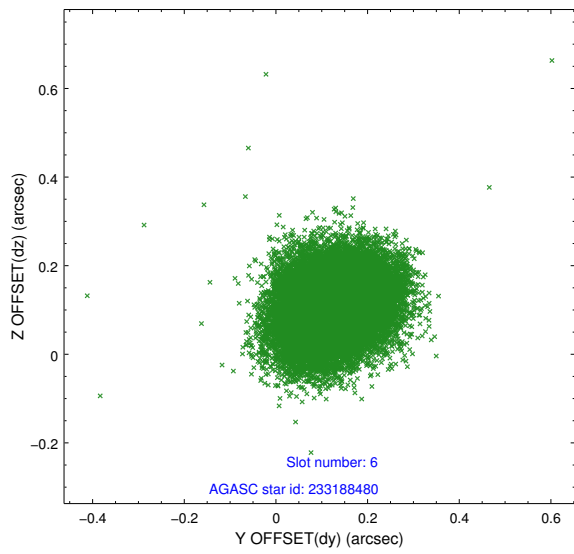
2.4.2 Slot 4



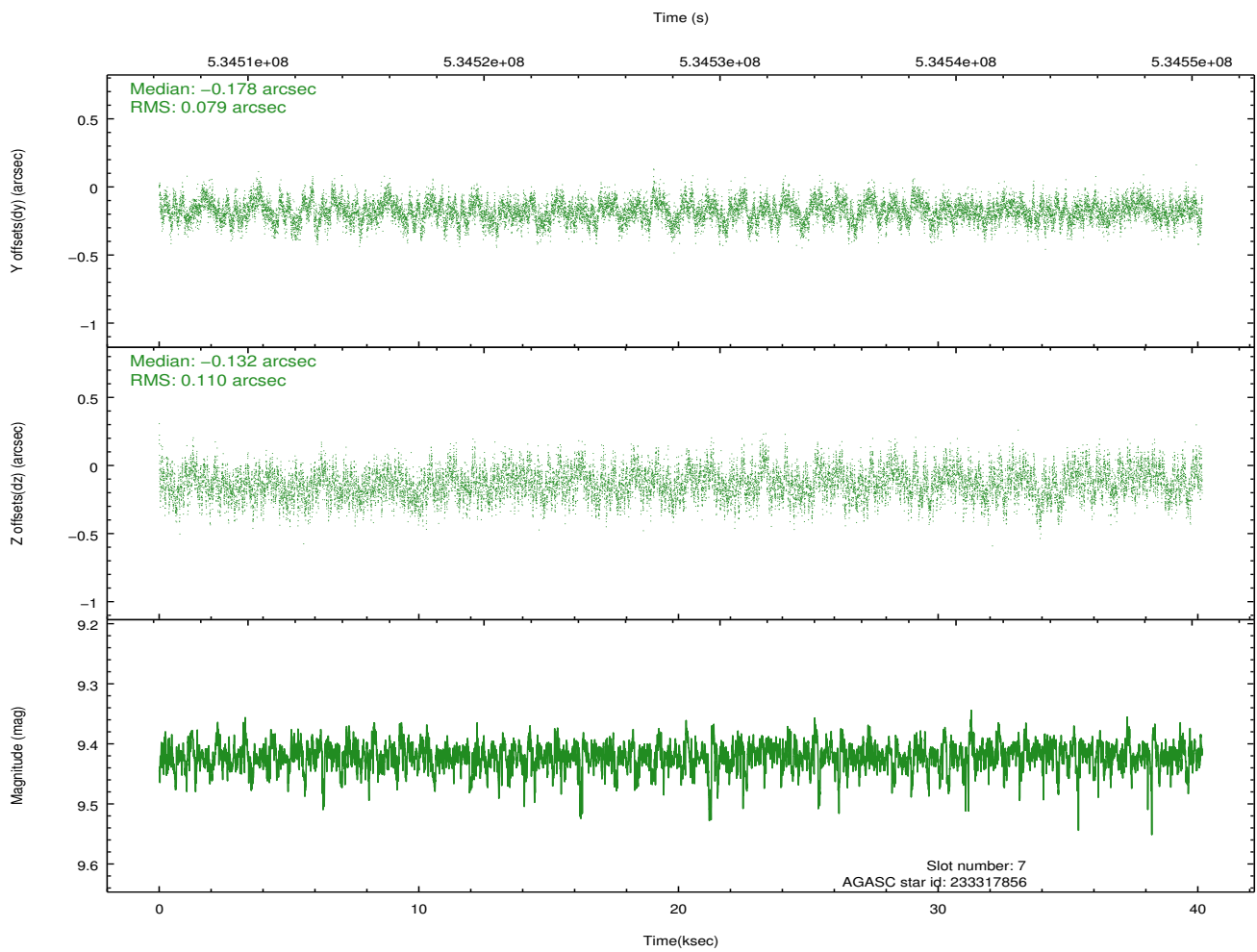
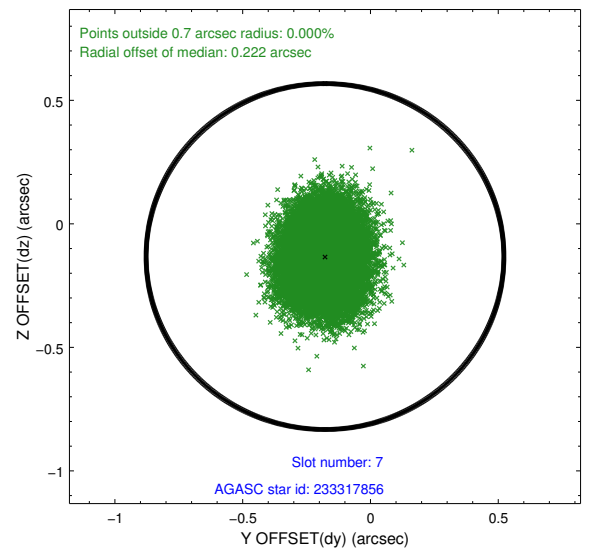
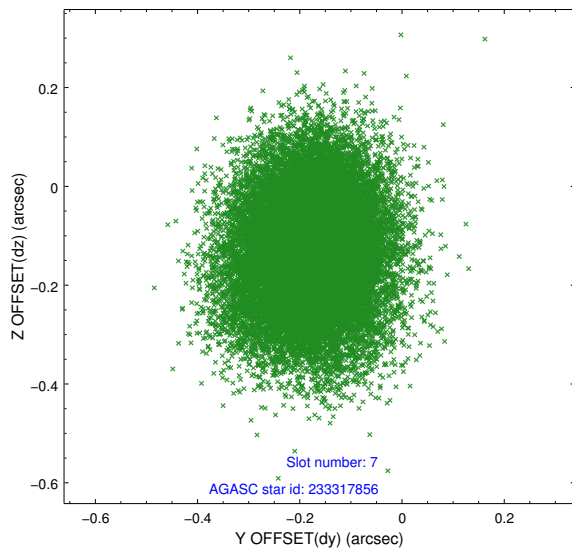
2.4.3 Slot 5



2.4.4 Slot 6

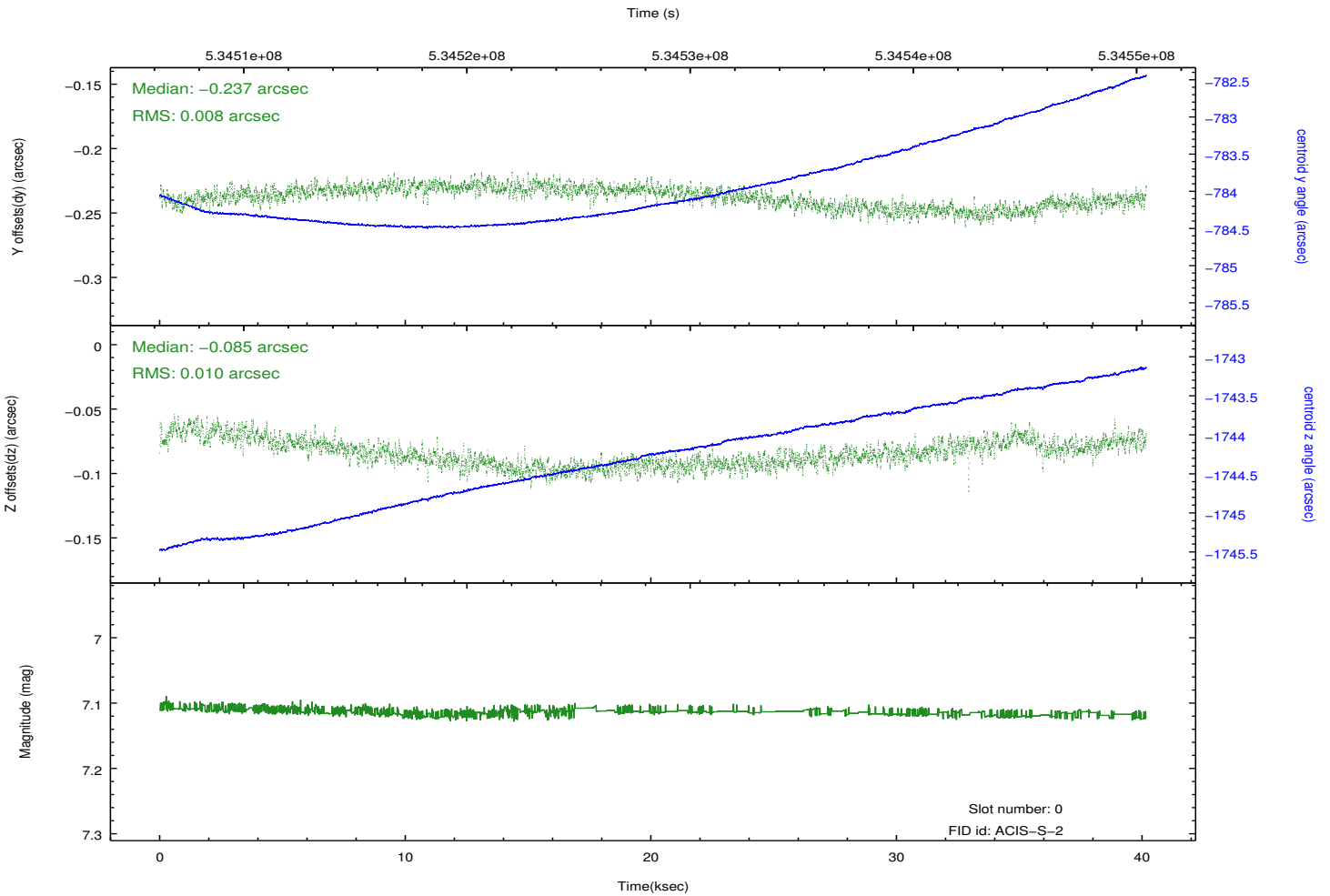
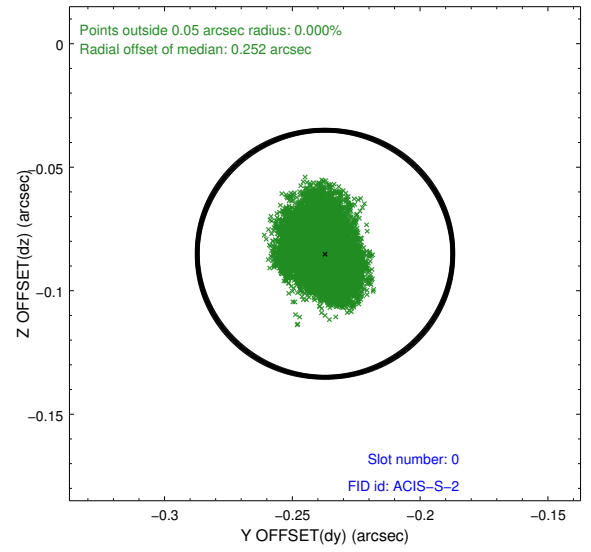
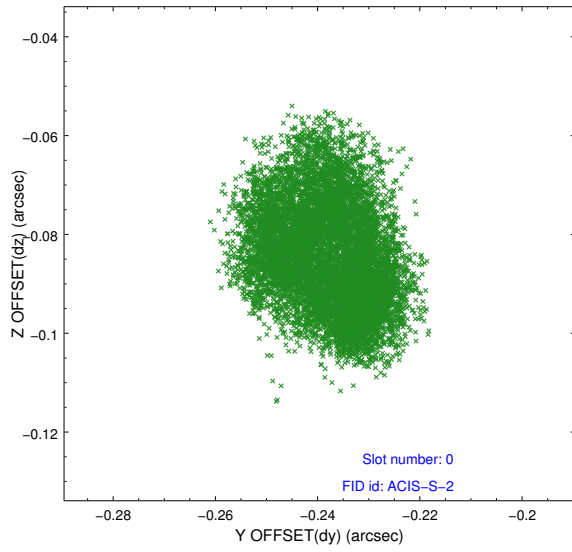


2.4.5 Slot 7

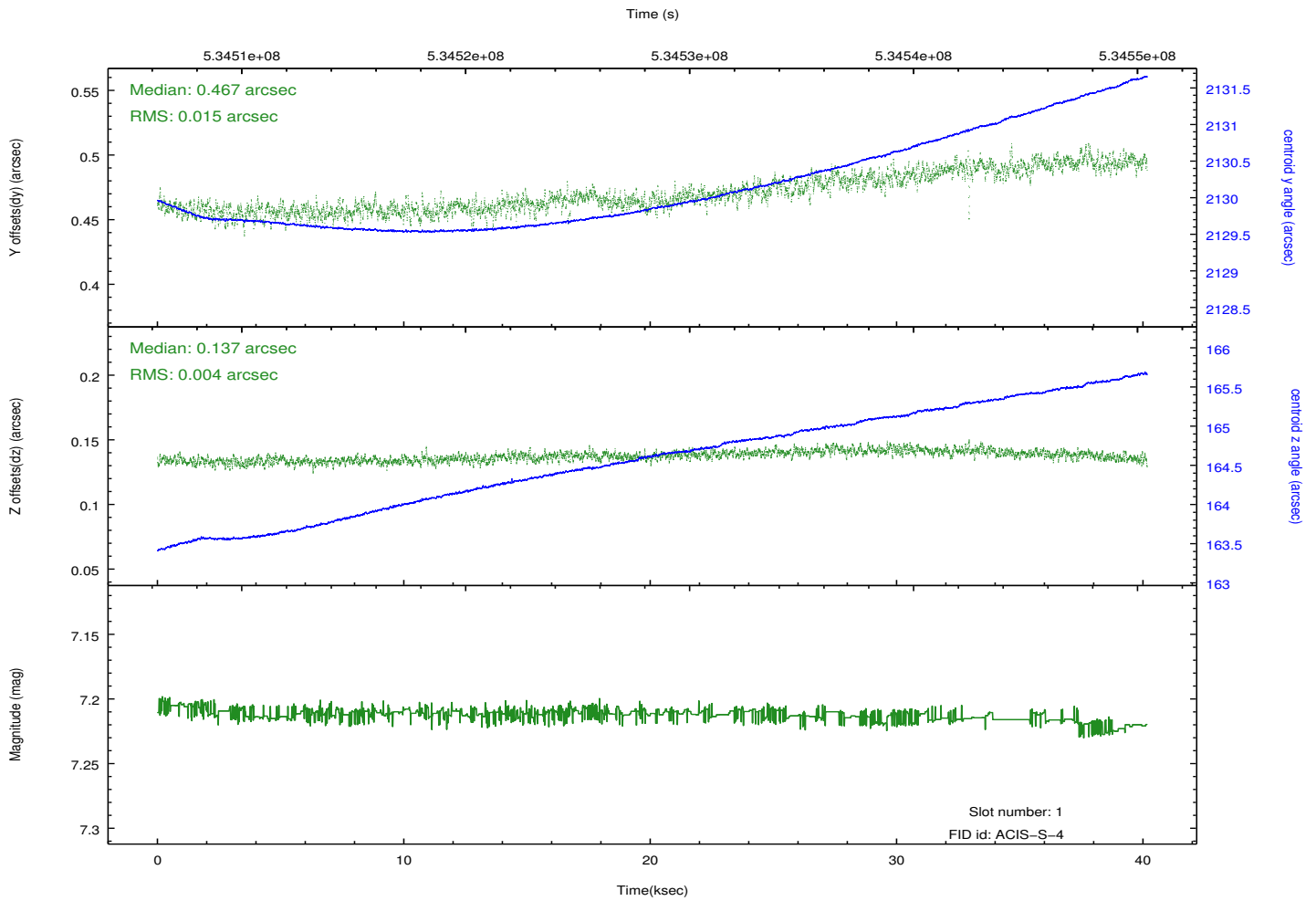
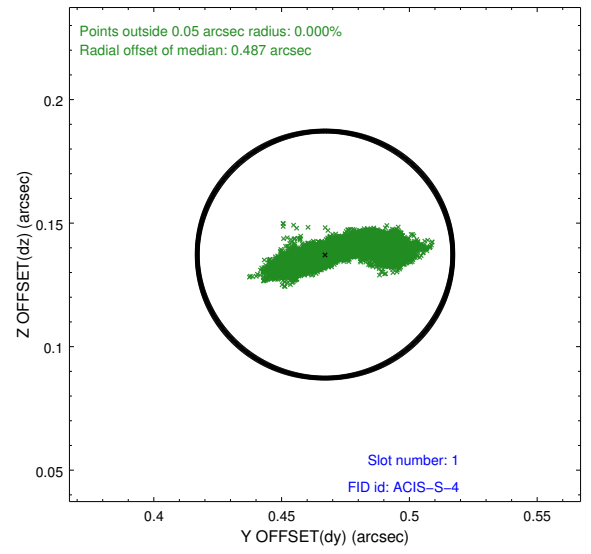
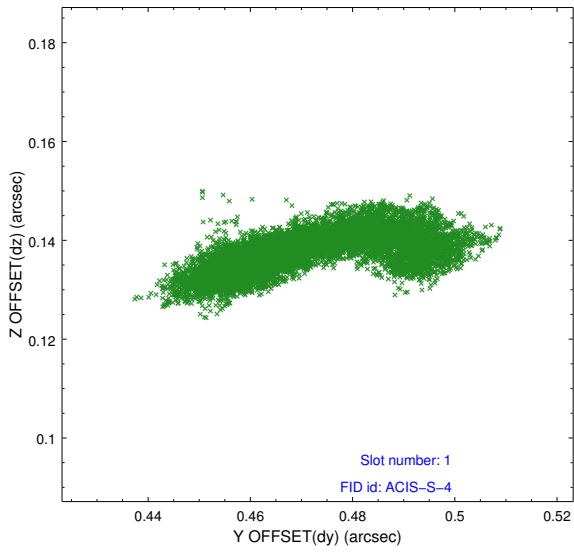


2.5 FID Slots

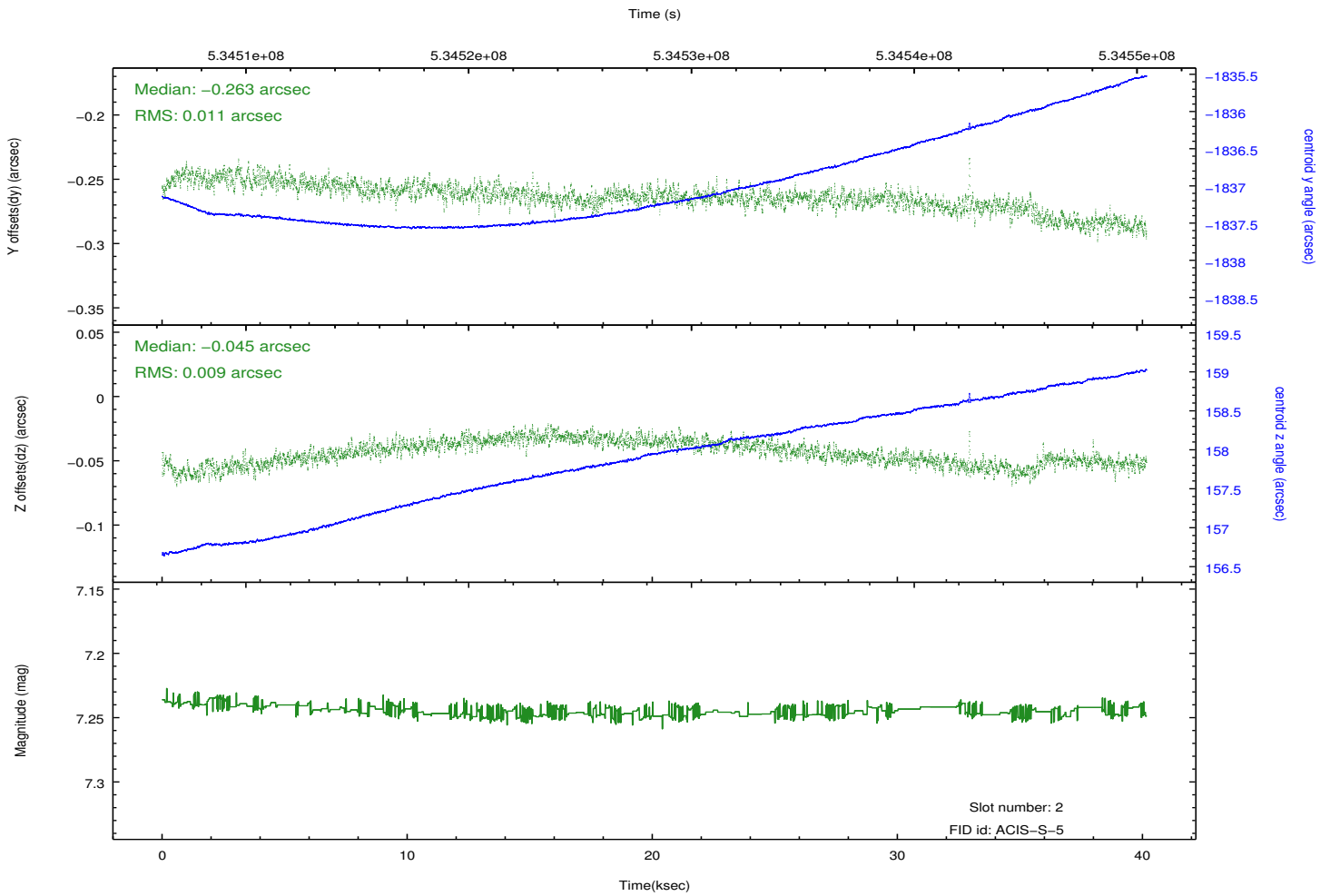
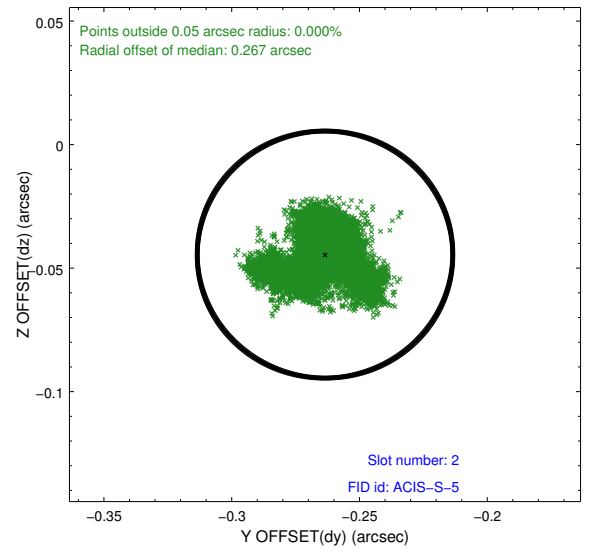
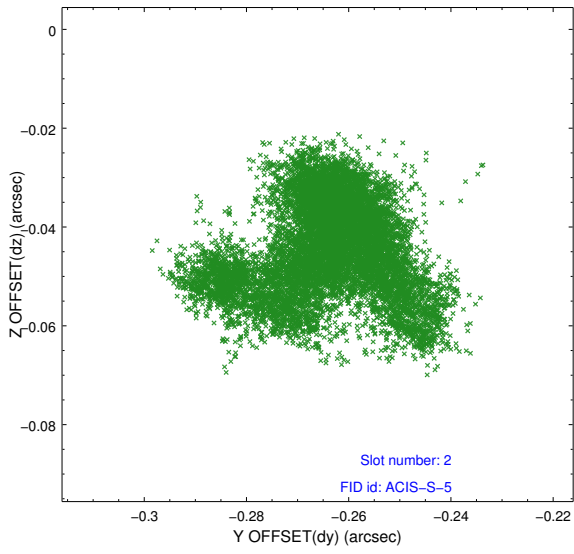
2.5.1 Slot 0



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)	2014.12.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.060000597

A.2 Comments

Joint Proposal: HST. Roll preference met.