

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19136 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Jun 16 2017

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1 Front

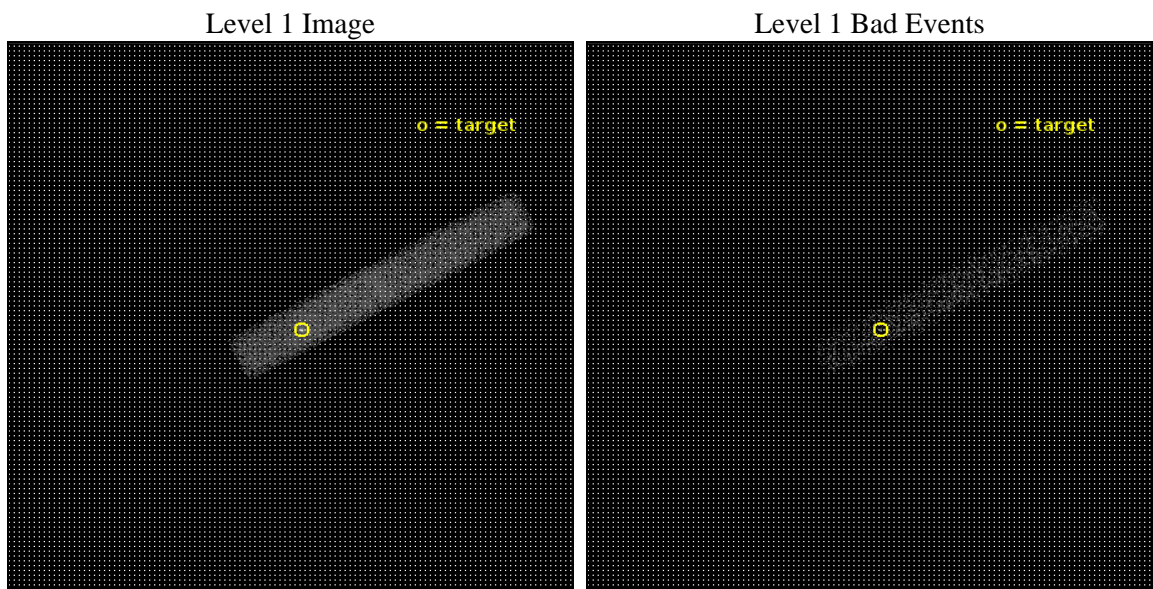
seq_num	502786	Sequence number
obs_id	19136	Observation id
title	PROMPT STUDY OF MAGNETAR OUTBURSTS WITH CHANDRA AND NUSTAR	Proposa
observer	Nanda Rea	Principal investigator
object	CXO J164710.2-455216	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	251.7925	Observer's specified target RA [deg]
dec_targ	-45.871389	Observer's specified target Dec [deg]
ra_nom	251.79979497078	Nominal RA [deg]
dec_nom	-45.869386540569	Nominal Dec [deg]
roll_nom	331.46763431123	Nominal Roll [deg]
revision	1	Processing version of data
ontime	15069.599101663	Sum of GTIs [s]
livetime	13667.330946547	Livetime [s]
ontime7	15069.599101663	Sum of GTIs [s]
l2events	14661	Number of level 2 events



2 OBI

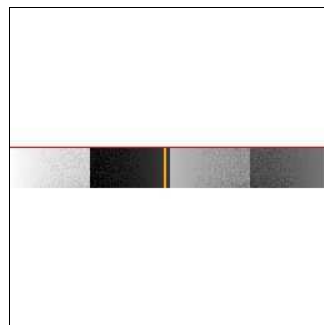
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	10.6	Processing system revision	ontime	15069.599101663	Sum of GTIs [s]
caldsver	4.7.5	 	ontime7	15069.599101663	Sum of GTIs [s]
date	2017-06-16T12:46:40	Date and time of file creation	l1events	25085	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

	ccd 7
level 1 events	25085
rejected events	9953
rejected %	39%

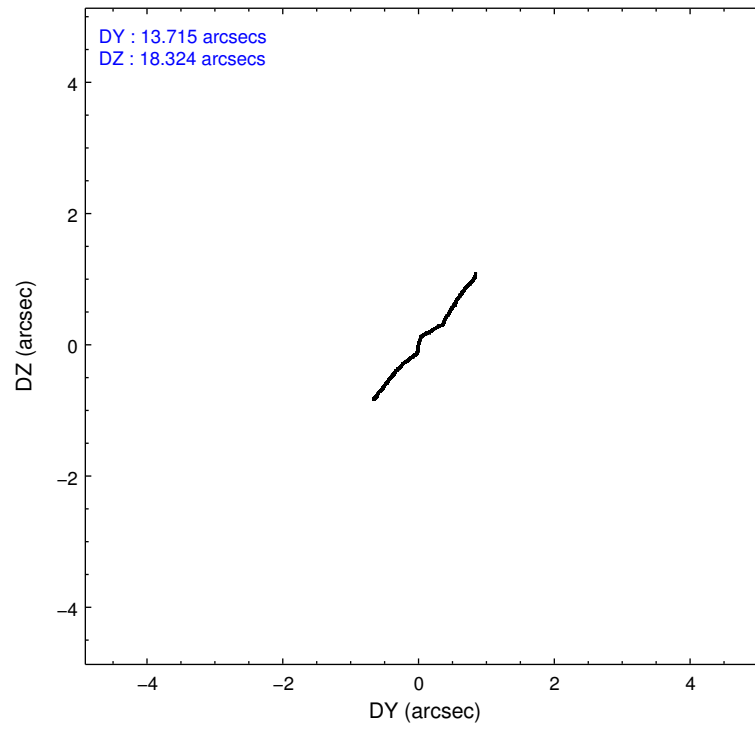
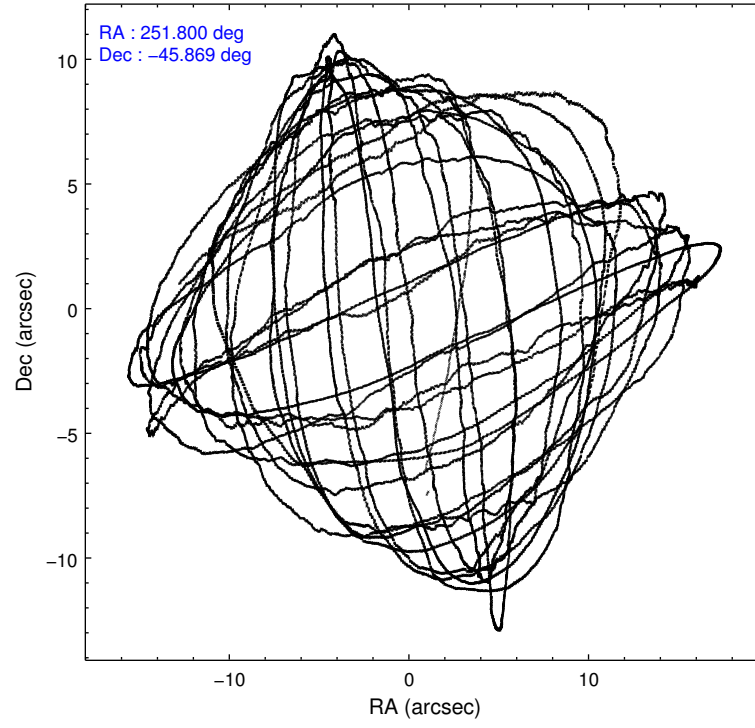
	ccd 7
grade 0 events	2083
	8%
grade 1 events	42
	0%
grade 2 events	3459
	13%
grade 3 events	1922
	7%
grade 4 events	1766
	7%
grade 5 events	2053
	8%
grade 6 events	5902
	23%
grade 7 events	7858
	31%

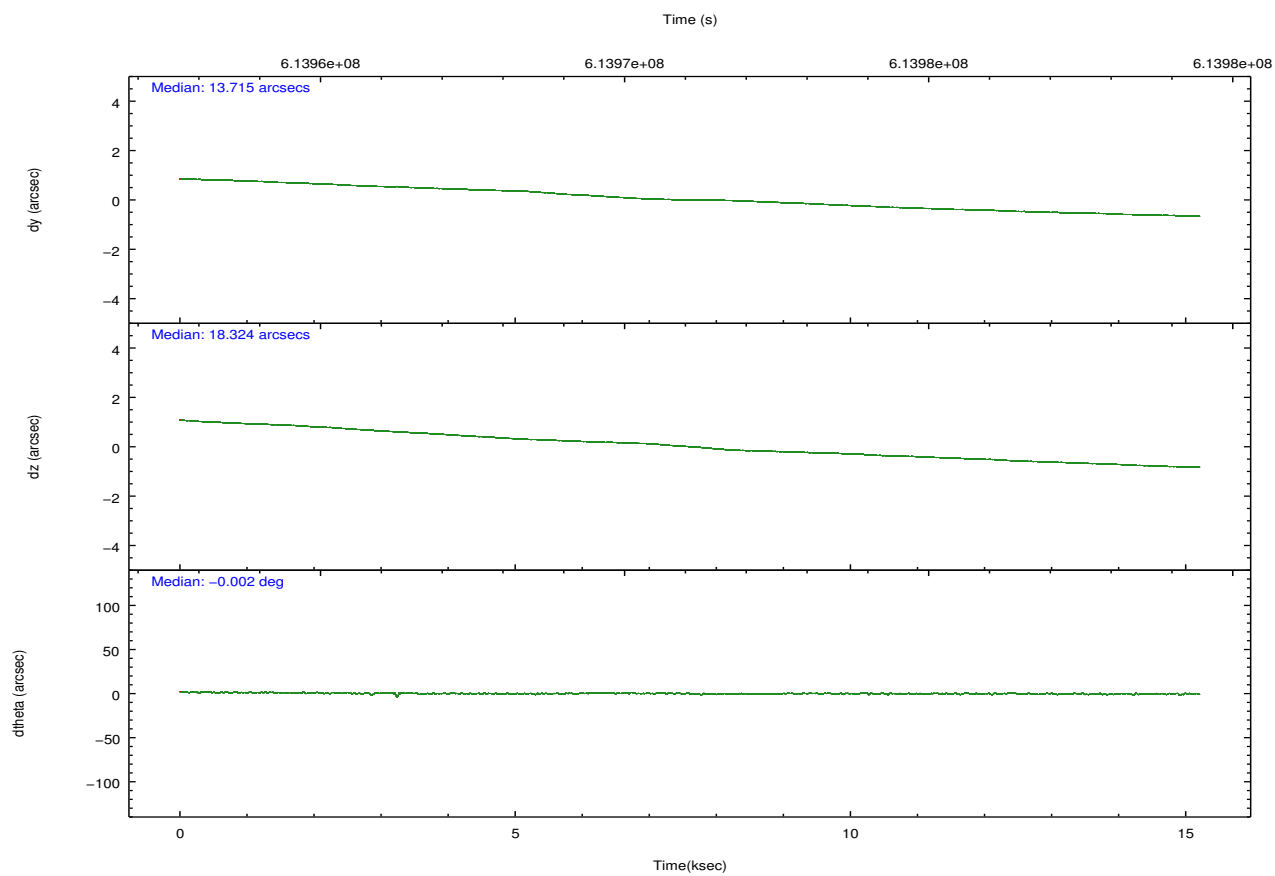
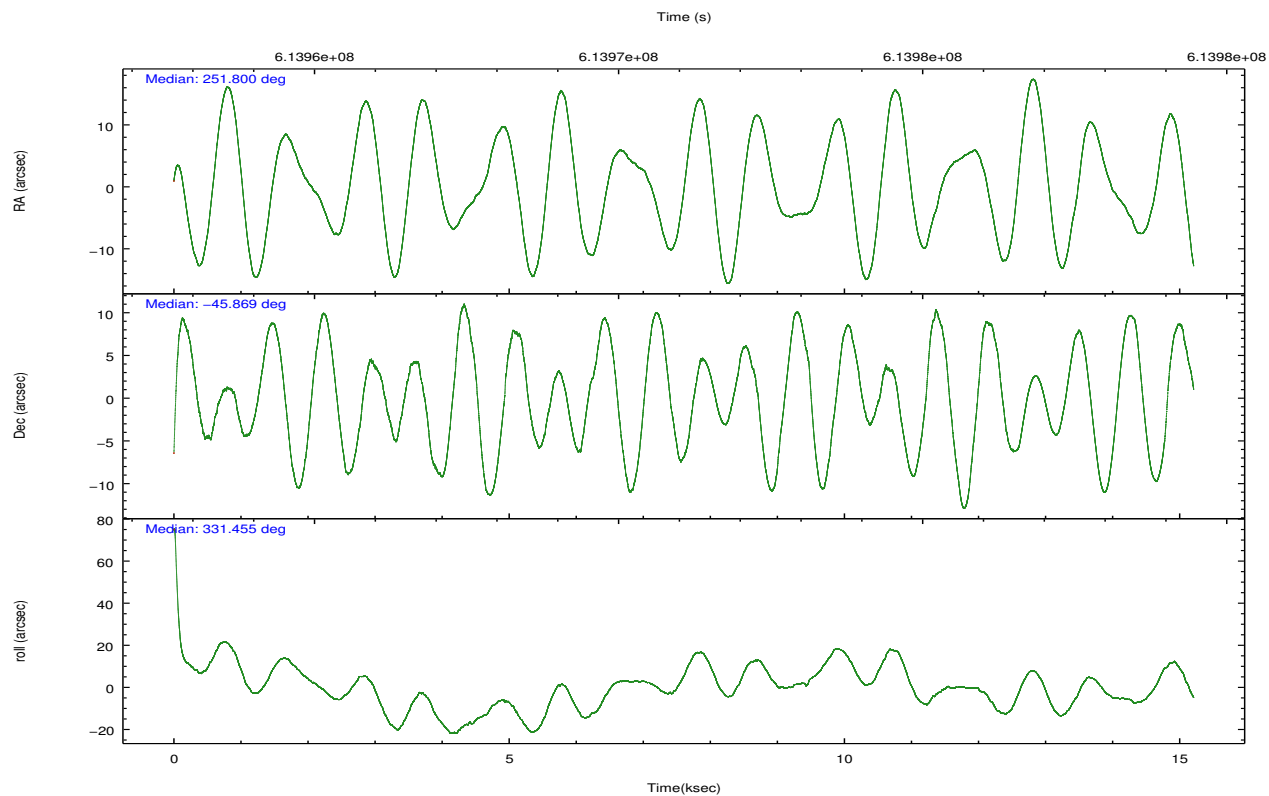
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-7	ACIS-7
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	251.760387	251.7997949707805
[deg] Pointing Dec	-45.870487	-45.8693865405691
[deg] Pointing Roll	331.282673	331.4676343112278
[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)	613963675.184000	613962302.4335001
Observation start date	2017-06-16T01:26:46	2017-06-16T01:05:02
[s] Observation end time (MET)	613978675.184000	613978922.8094701
Observation end date	2017-06-16T05:36:46	2017-06-16T05:42:02
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	CUSTOM	1/8
Subarray start row	449	449
Subarray row count	128	128
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	0.4

2.3 Aspect



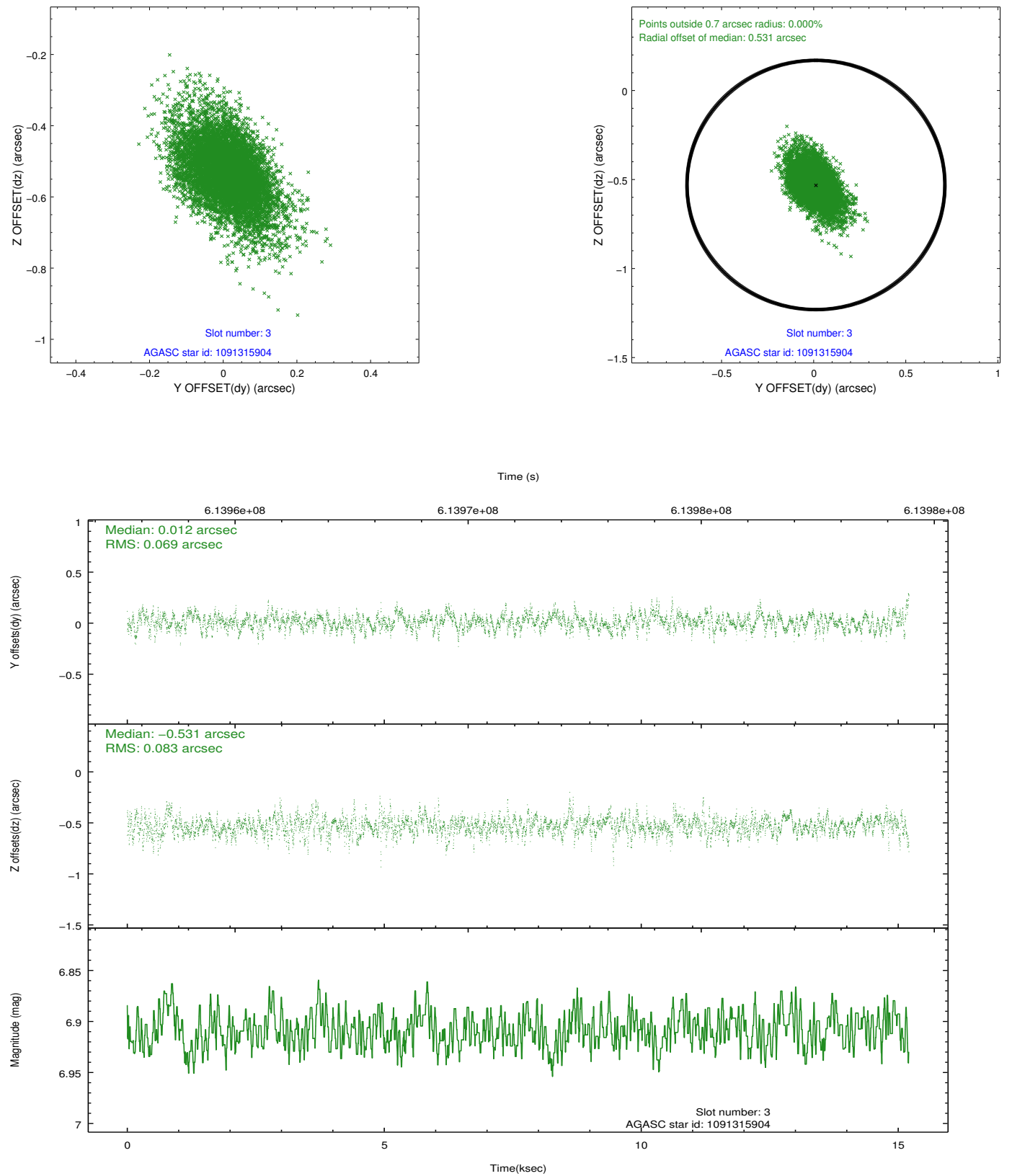


Slot Statistics

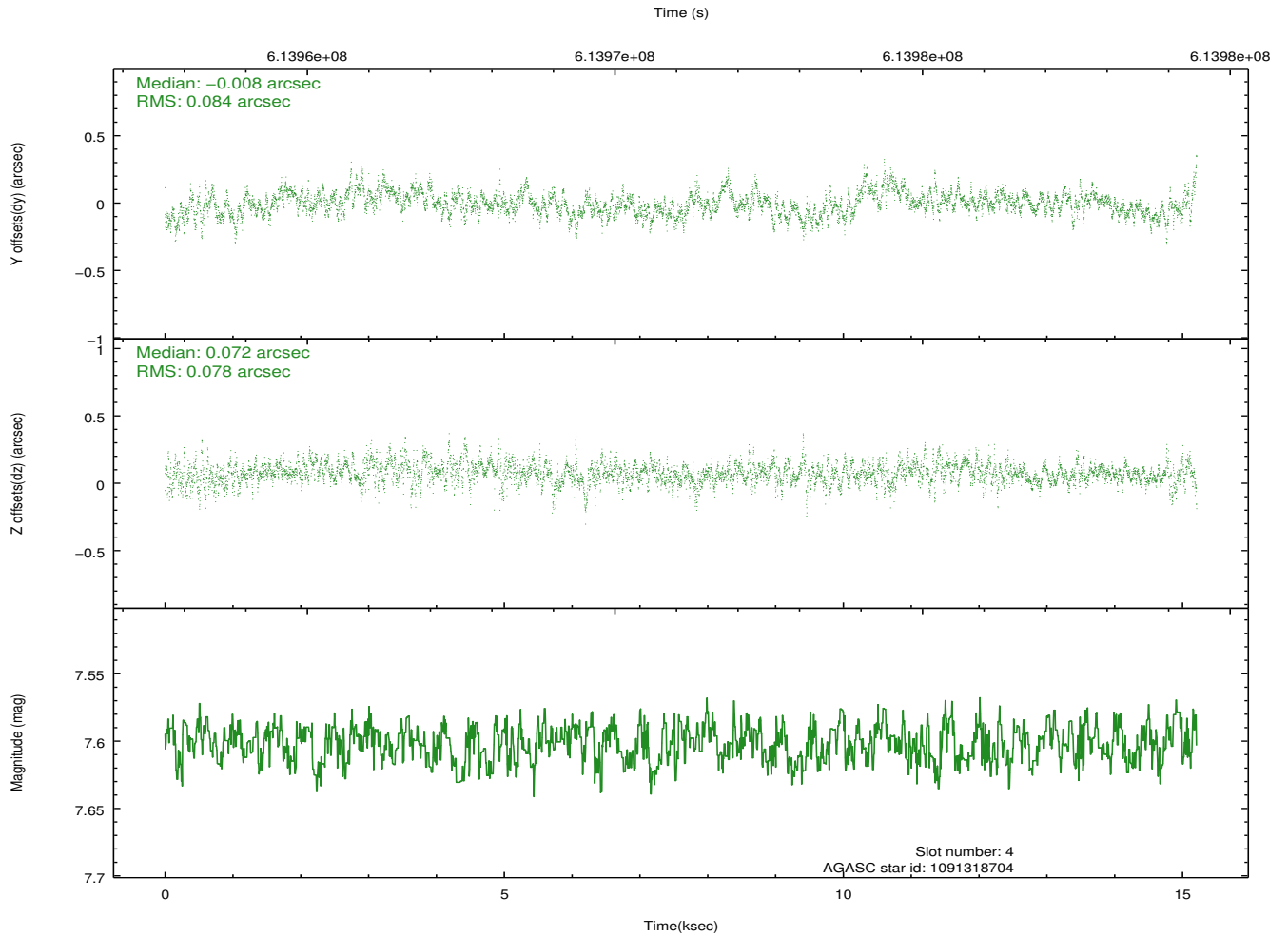
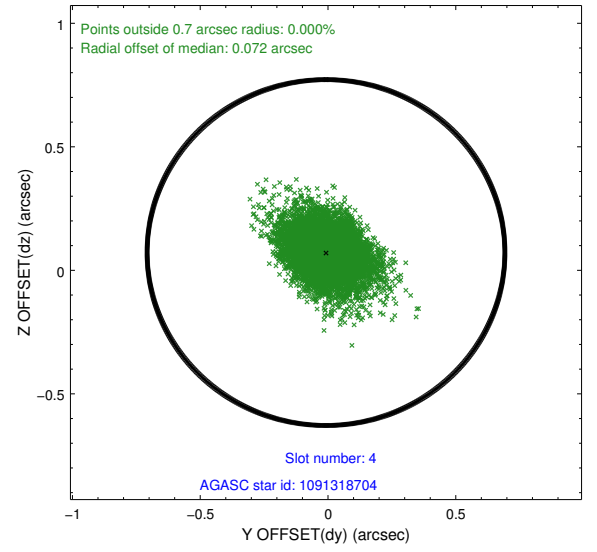
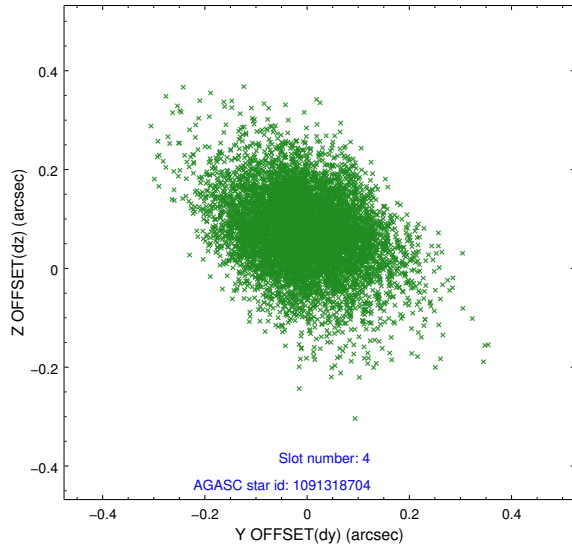
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	6.93	3710	-0.243	-0.131	0.030	0.043	0.000000	0.000000	-767.01	-1739.94
1	FID		ACIS-S-4	7.04	3710	0.284	0.152	0.027	0.037	0.000000	0.000000	2146.73	168.42
2	FID		ACIS-S-6	7.18	3710	-0.068	-0.015	0.018	0.026	0.000000	0.000000	395.61	806.04
3	GUIDE	used	1091315904	6.91	7419	0.012	-0.531	0.109	0.198	252.023077	-45.944918	706.39	79.40
4	GUIDE	used	1091318704	7.60	7419	-0.008	0.072	0.118	0.205	251.955714	-45.390313	-397.07	1752.52
5	GUIDE	used	1091321136	8.49	7417	-0.228	-0.158	0.107	0.197	252.629031	-45.865288	1906.10	1052.61
6	GUIDE	used	1091341680	8.39	7411	0.313	0.084	0.132	0.221	251.240217	-46.114317	-713.37	-1397.43
7	GUIDE	used	1091321752	6.95	7419	-0.093	0.535	0.117	0.200	251.516776	-46.486101	536.47	-2234.35

2.4 Star Slots

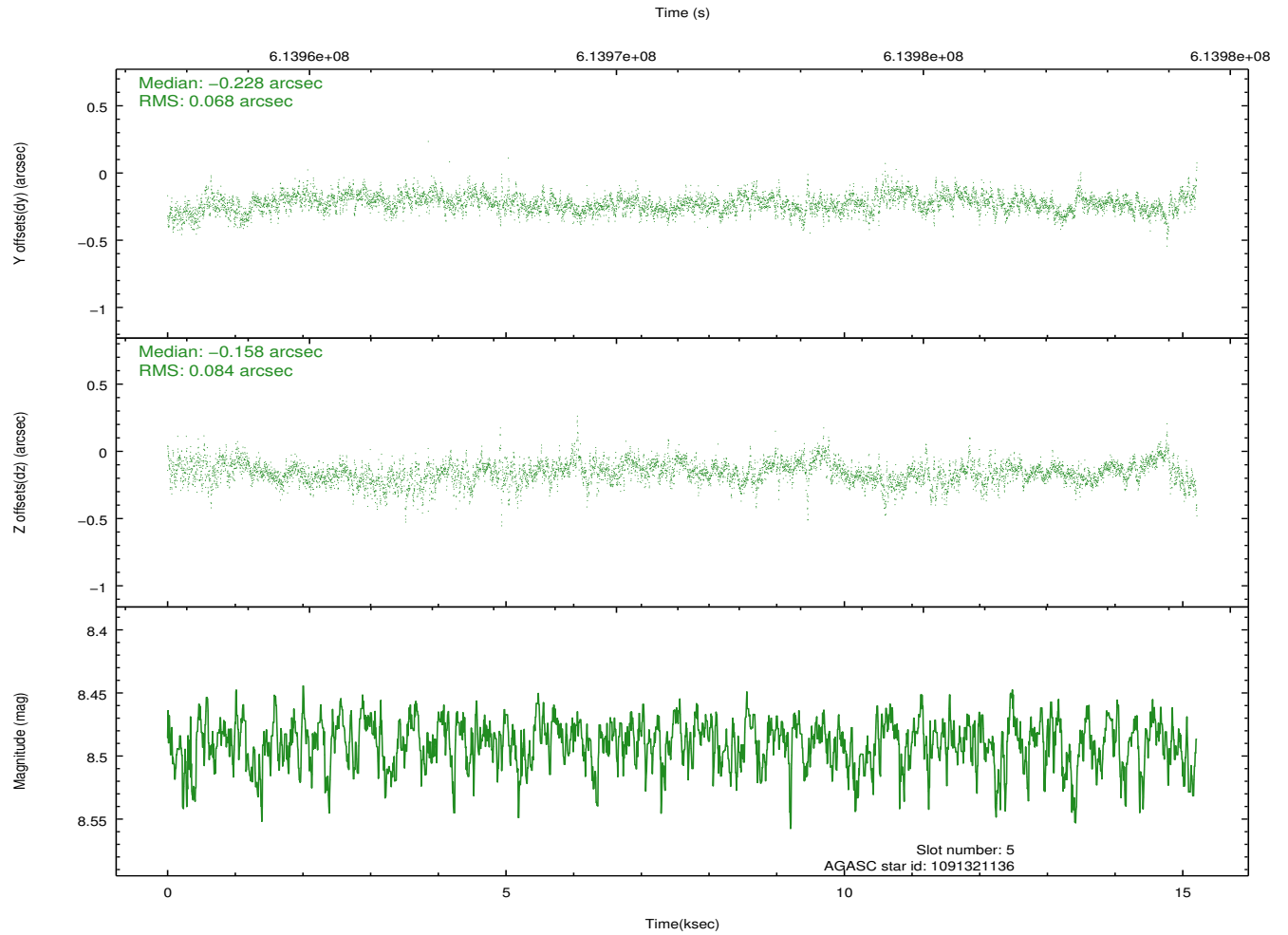
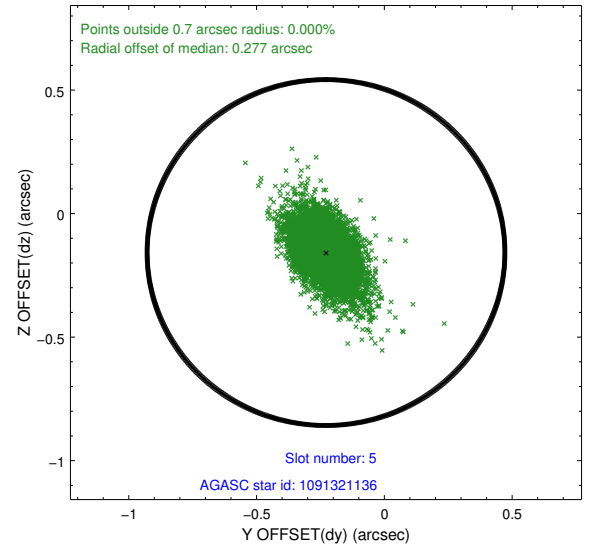
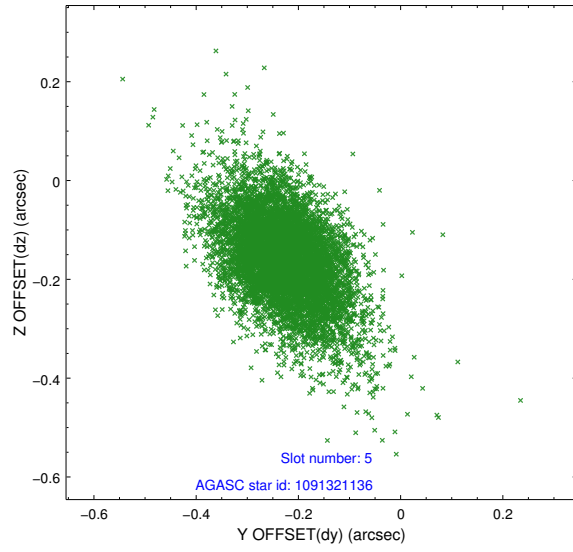
2.4.1 Slot 3



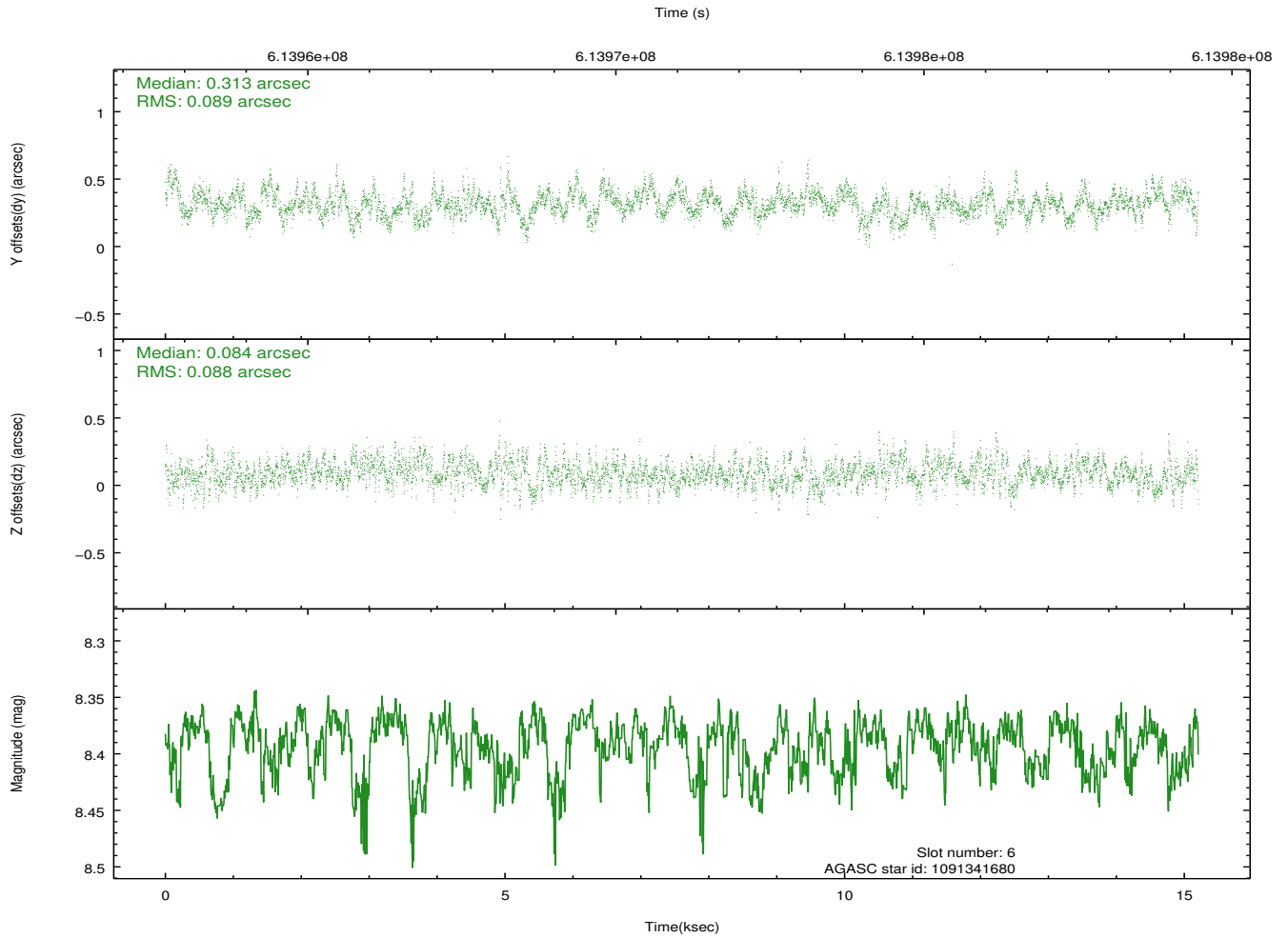
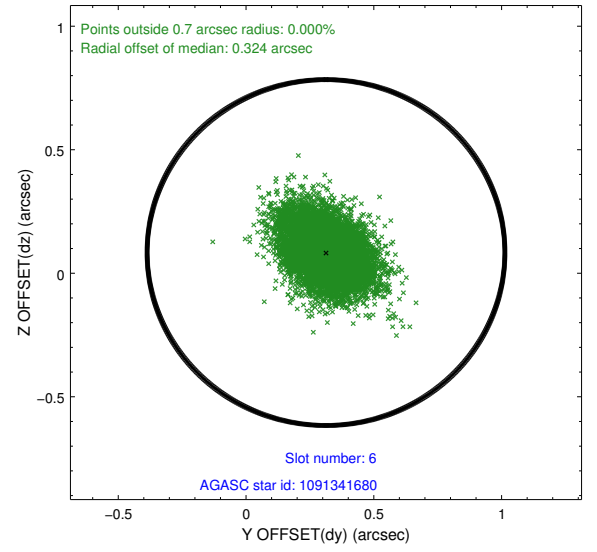
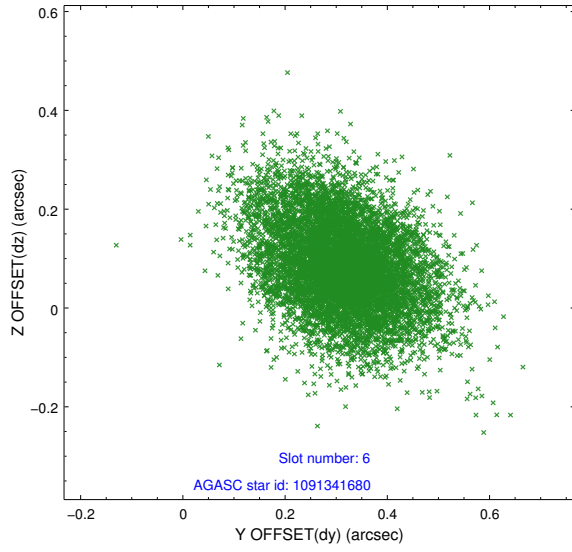
2.4.2 Slot 4



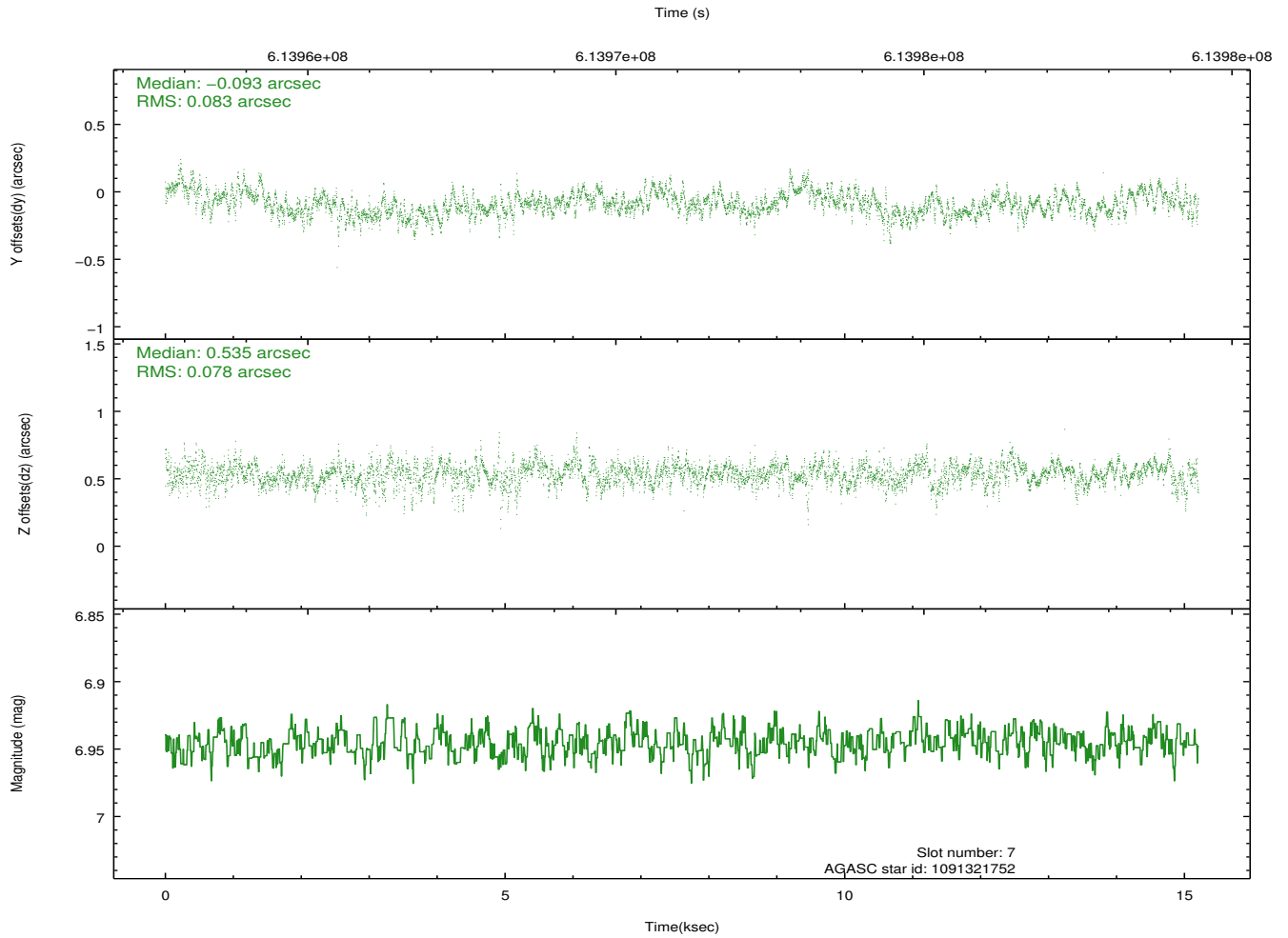
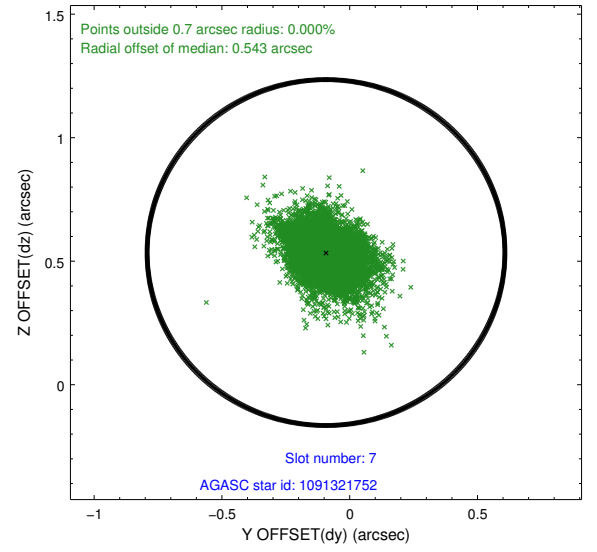
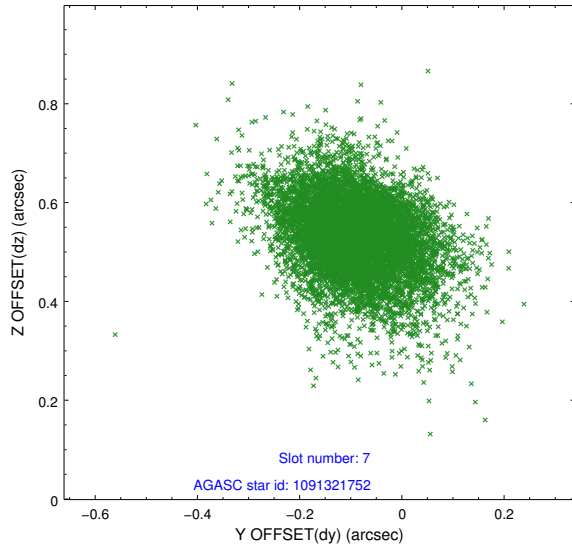
2.4.3 Slot 5



2.4.4 Slot 6

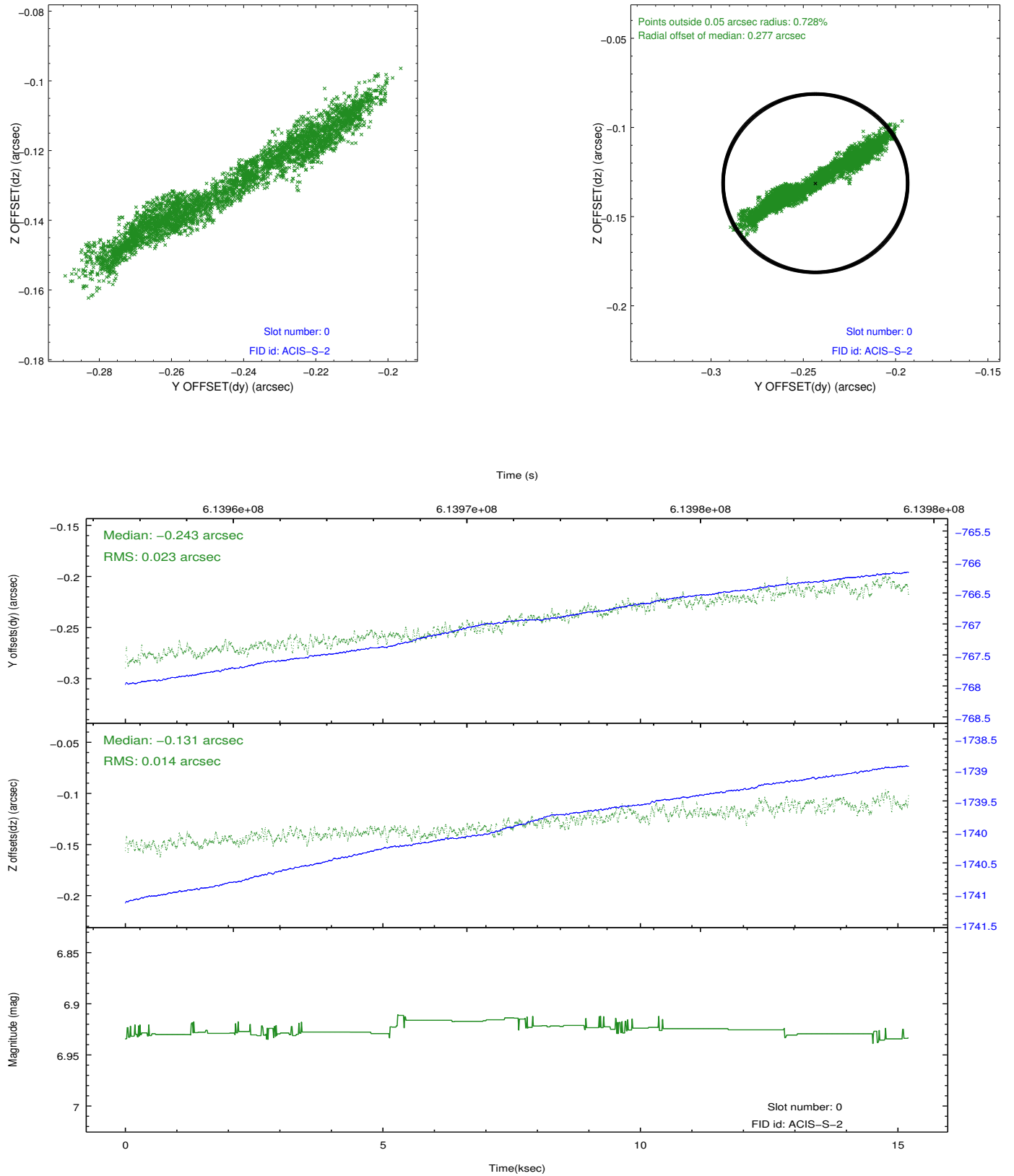


2.4.5 Slot 7

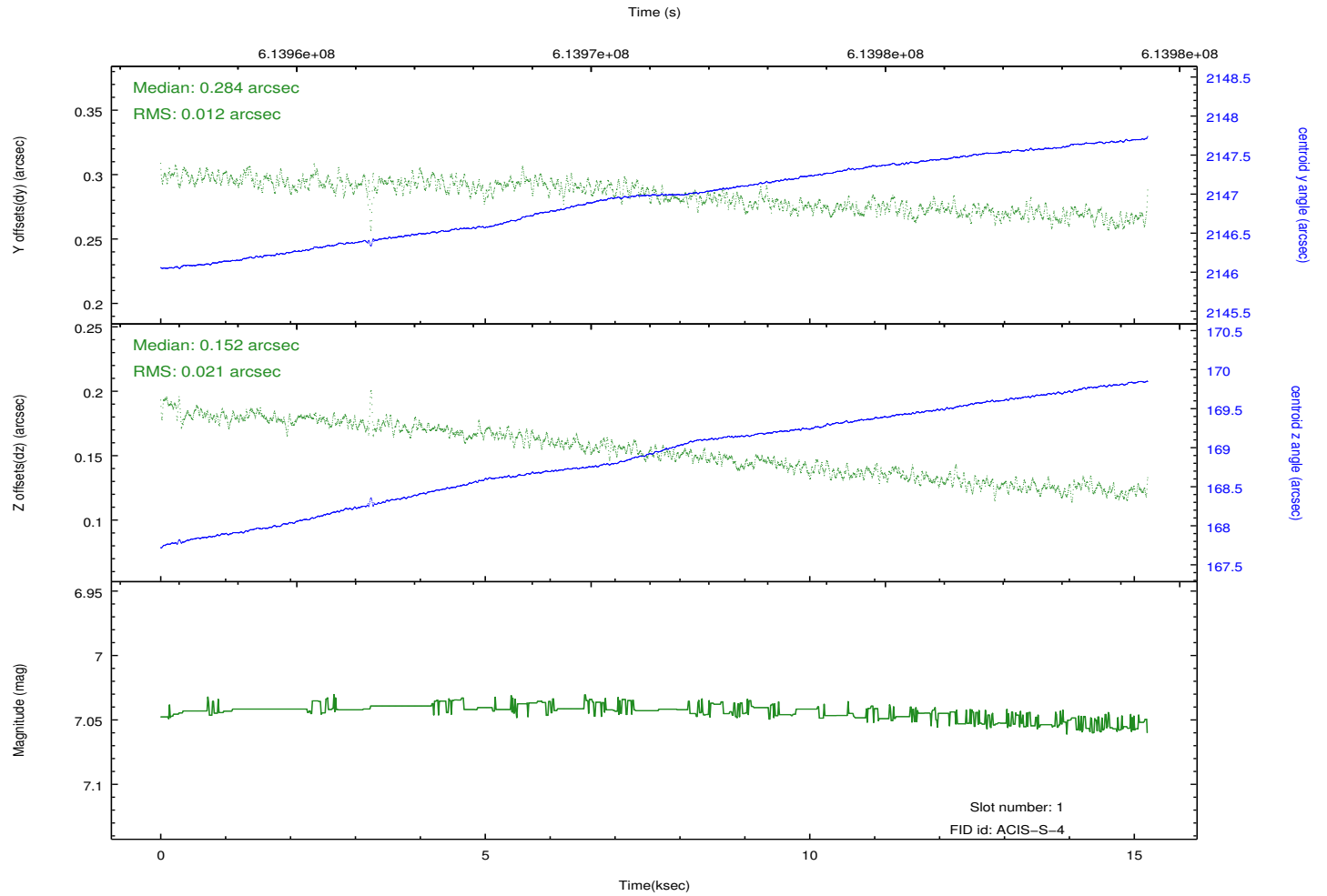
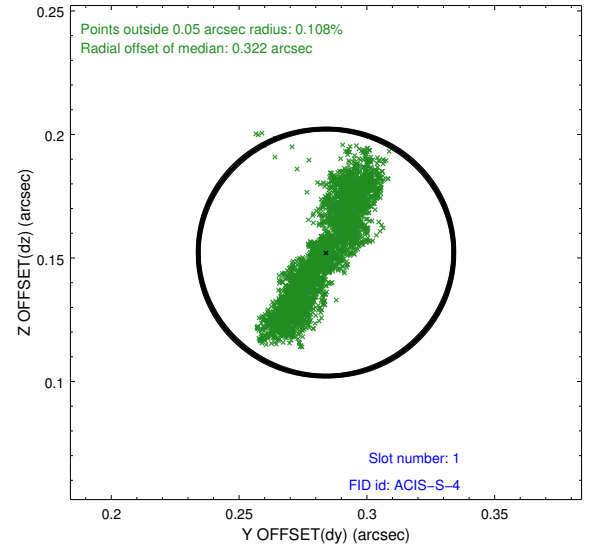
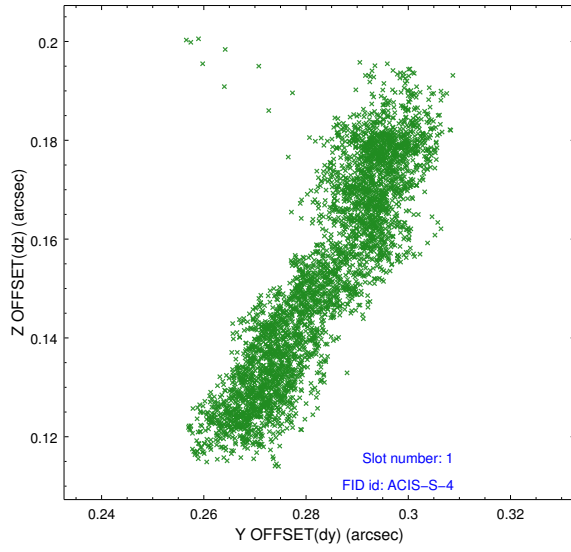


2.5 FID Slots

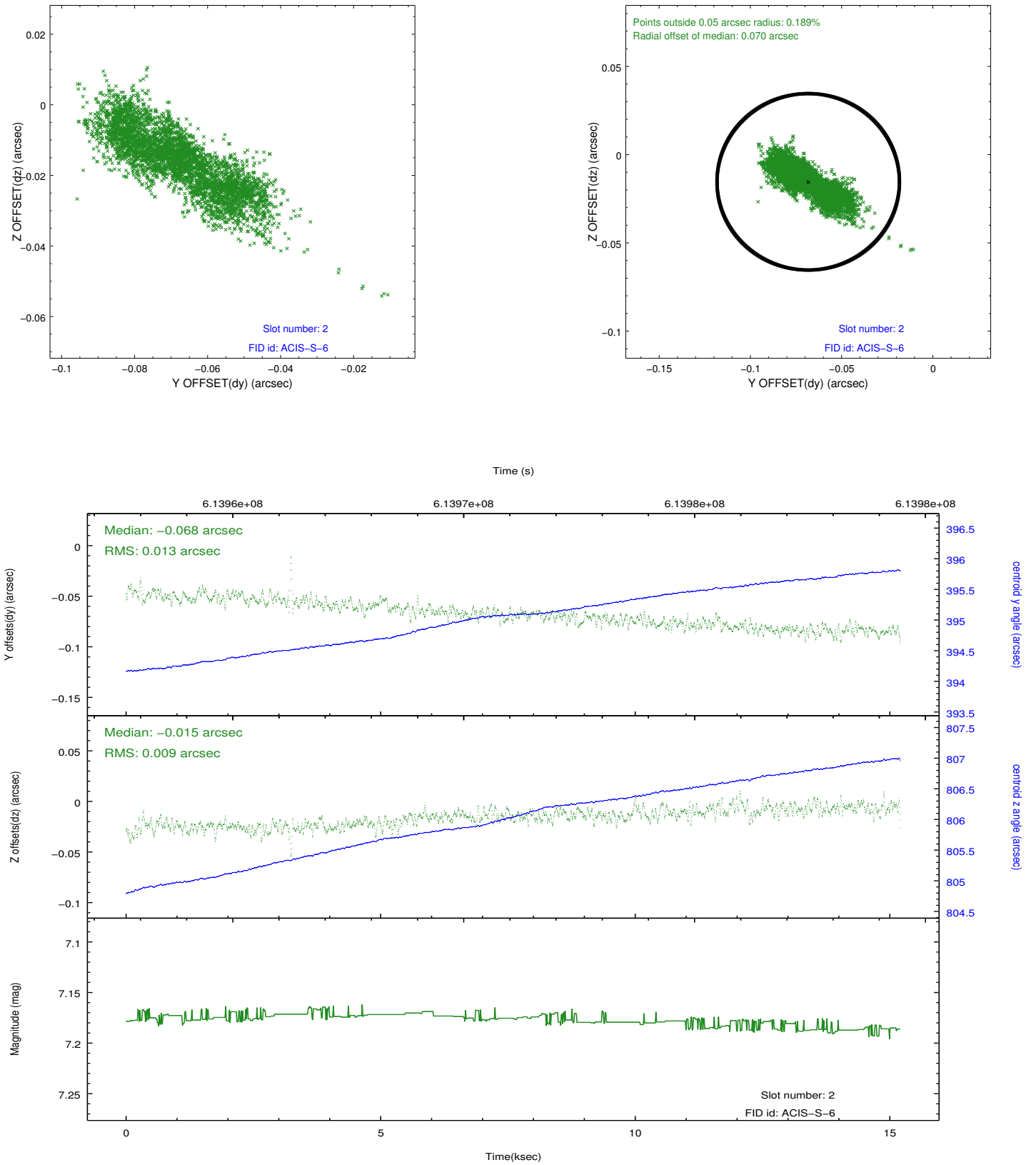
2.5.1 Slot 0



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)	2017.06.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.069599101663

A.2 Comments

Joint Proposal: NuSTAR. Monitor constraint met.