

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18763 - L2 Version 1
Chandra X-Ray Center

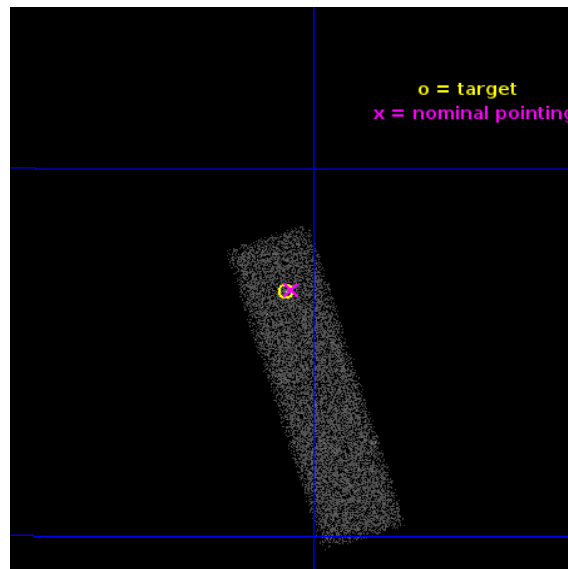
L2 Processing Date : Feb 20 2016

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

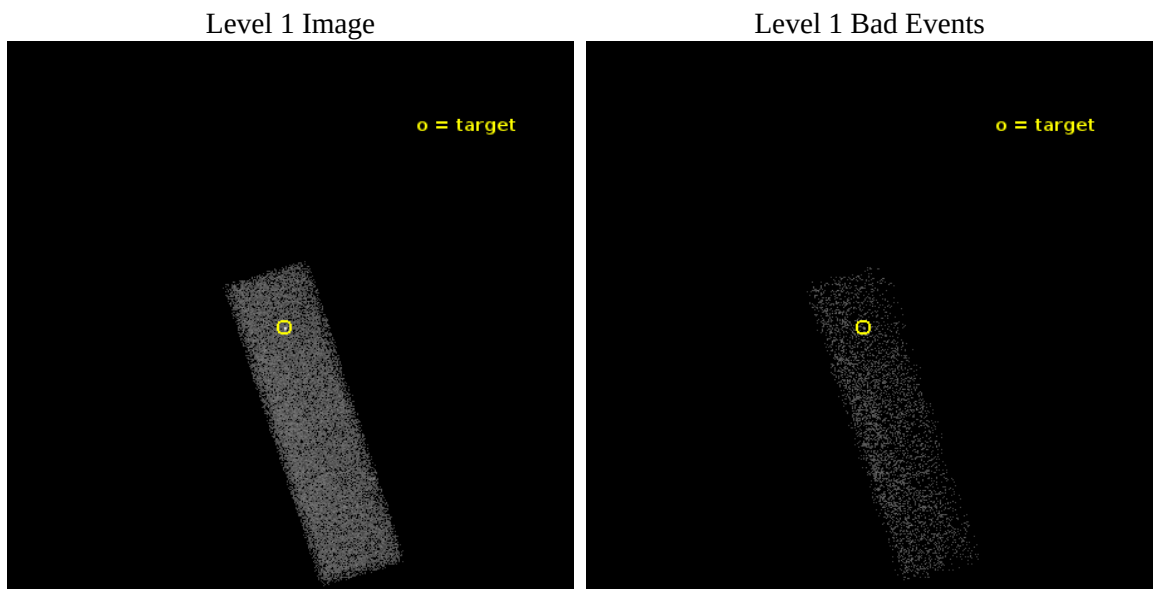
seq_num	703094	Sequence number
obs_id	18763	Observation id
title	Solving the X-ray Origin Problem in Large-scale Jets with Chandra and Fermi Observations	Proposal title
observer	Dr Eileen Meyer	Principal investigator
object	1642+690	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	250.5325	Observer's specified target RA [deg]
dec_targ	68.944444	Observer's specified target Dec [deg]
ra_nom	250.52629594127	Nominal RA [deg]
dec_nom	68.945334628305	Nominal Dec [deg]
roll_nom	72.662397546498	Nominal Roll [deg]
revision	1	Processing version of data
ontime	21145.315750241	Sum of GTIs [s]
livetime	20113.493532047	Livetime [s]
ontime7	21145.315750241	Sum of GTIs [s]
l2events	18421	Number of level 2 events



2 OBI

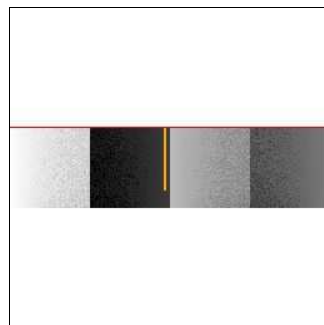
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	21084.927000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	21145.315750241	Sum of GTIs [s]
caldsver	4.7.0	 	ontime7	21145.315750241	Sum of GTIs [s]
date	2016-02-20T21:35:53	Date and time of file creation	l1events	35639	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

	ccd 7
level 1 events	35639
rejected events	16614
rejected %	46%

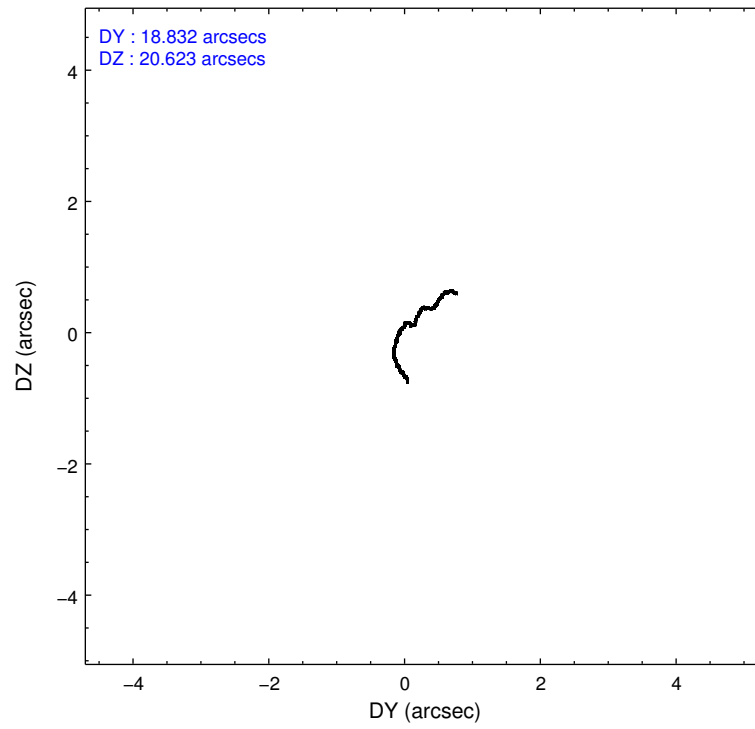
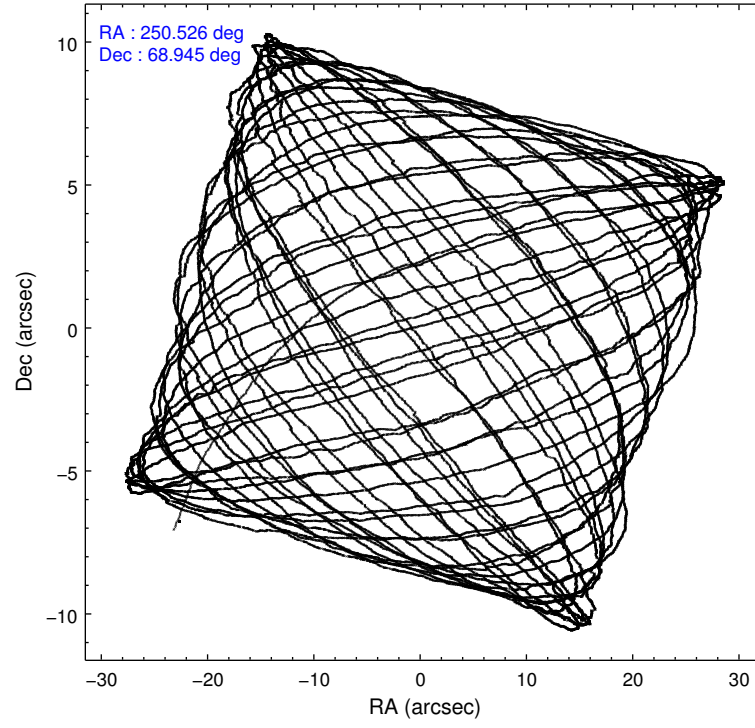
	ccd 7
grade 0 events	2238
	6%
grade 1 events	64
	0%
grade 2 events	3986
	11%
grade 3 events	2206
	6%
grade 4 events	2083
	5%
grade 5 events	3643
	10%
grade 6 events	8512
	23%
grade 7 events	12907
	36%

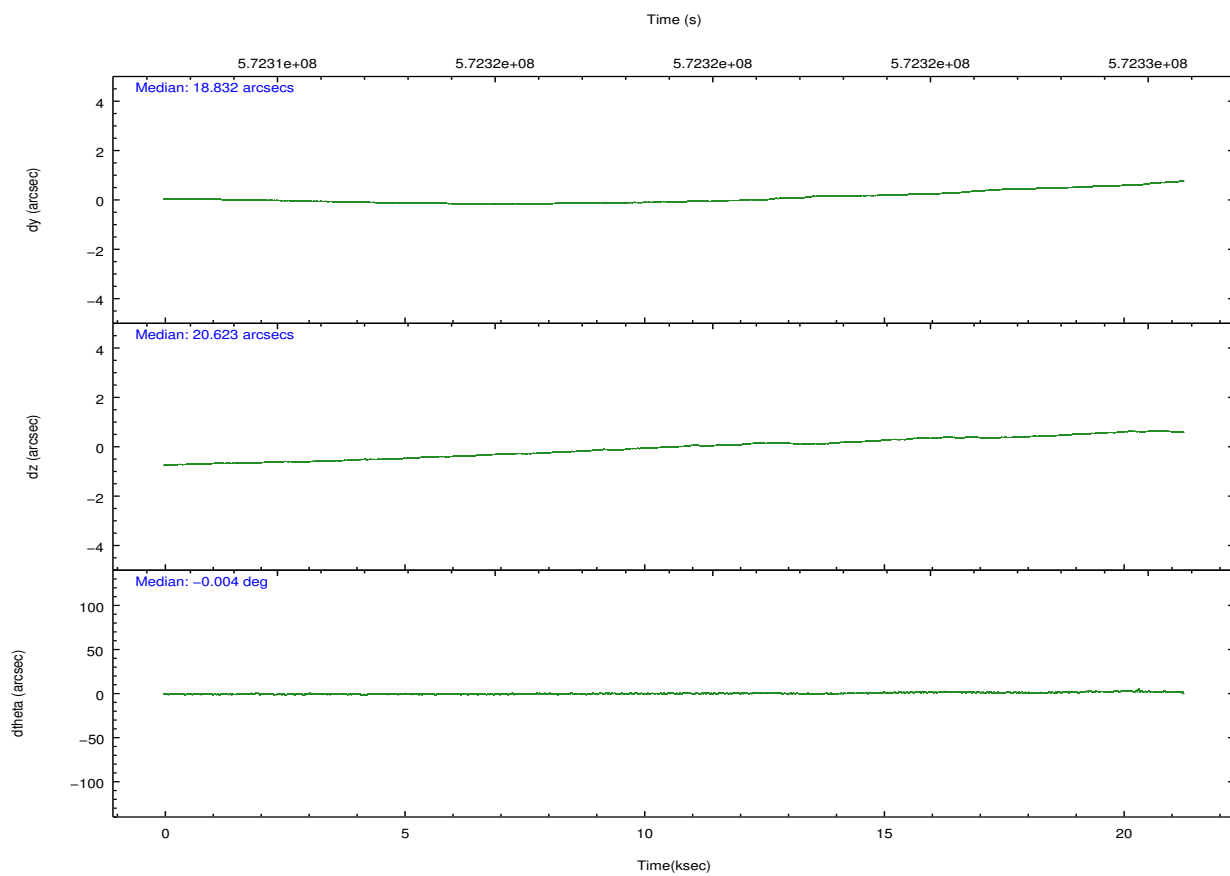
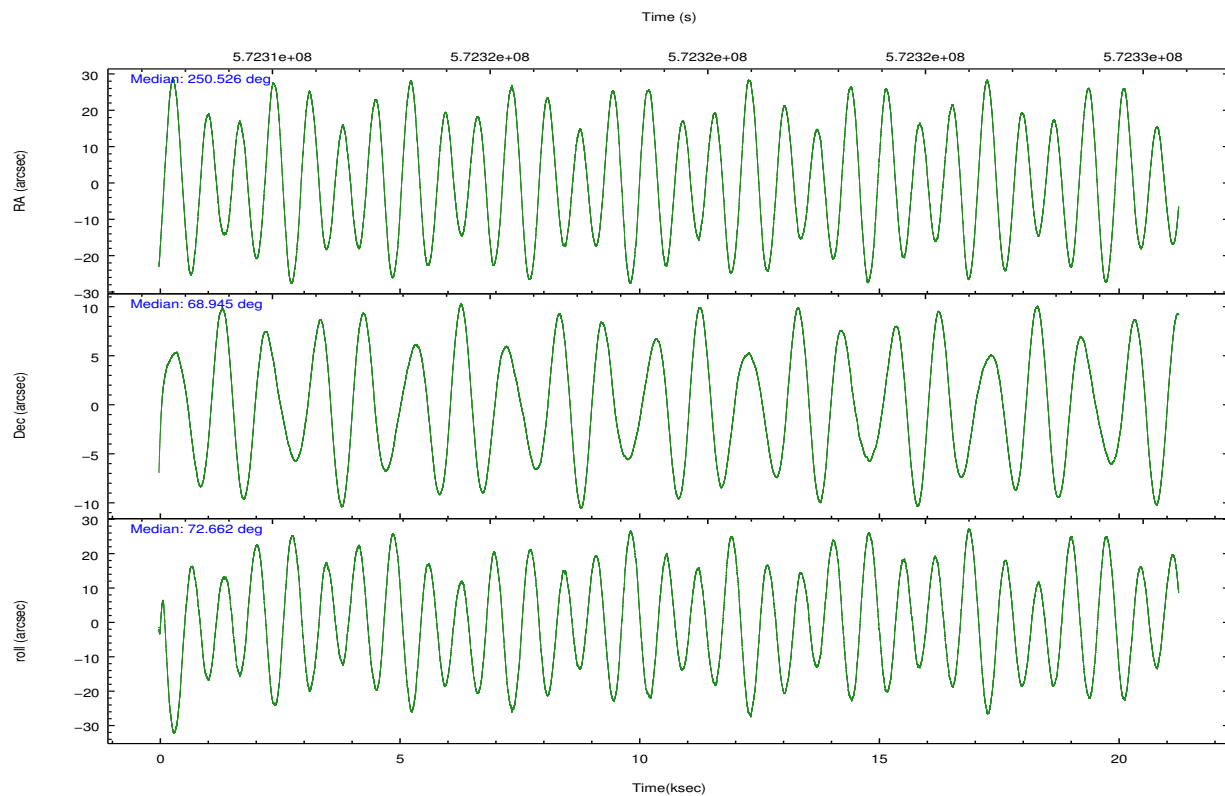
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-7	ACIS-7
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	250.544005	250.5262959412691
[deg] Pointing Dec	68.918621	68.94533462830498
[deg] Pointing Roll	72.489265	72.66239754649796
[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)	572308637.184000	572307770.9724
Observation start date	2016-02-19T22:36:09	2016-02-19T22:22:50
[s] Observation end time (MET)	572329722.184000	572329947.87366
Observation end date	2016-02-20T04:27:34	2016-02-20T04:32:27
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	1/4
Subarray start row	385	385
Subarray row count	256	256
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	0.8

2.3 Aspect



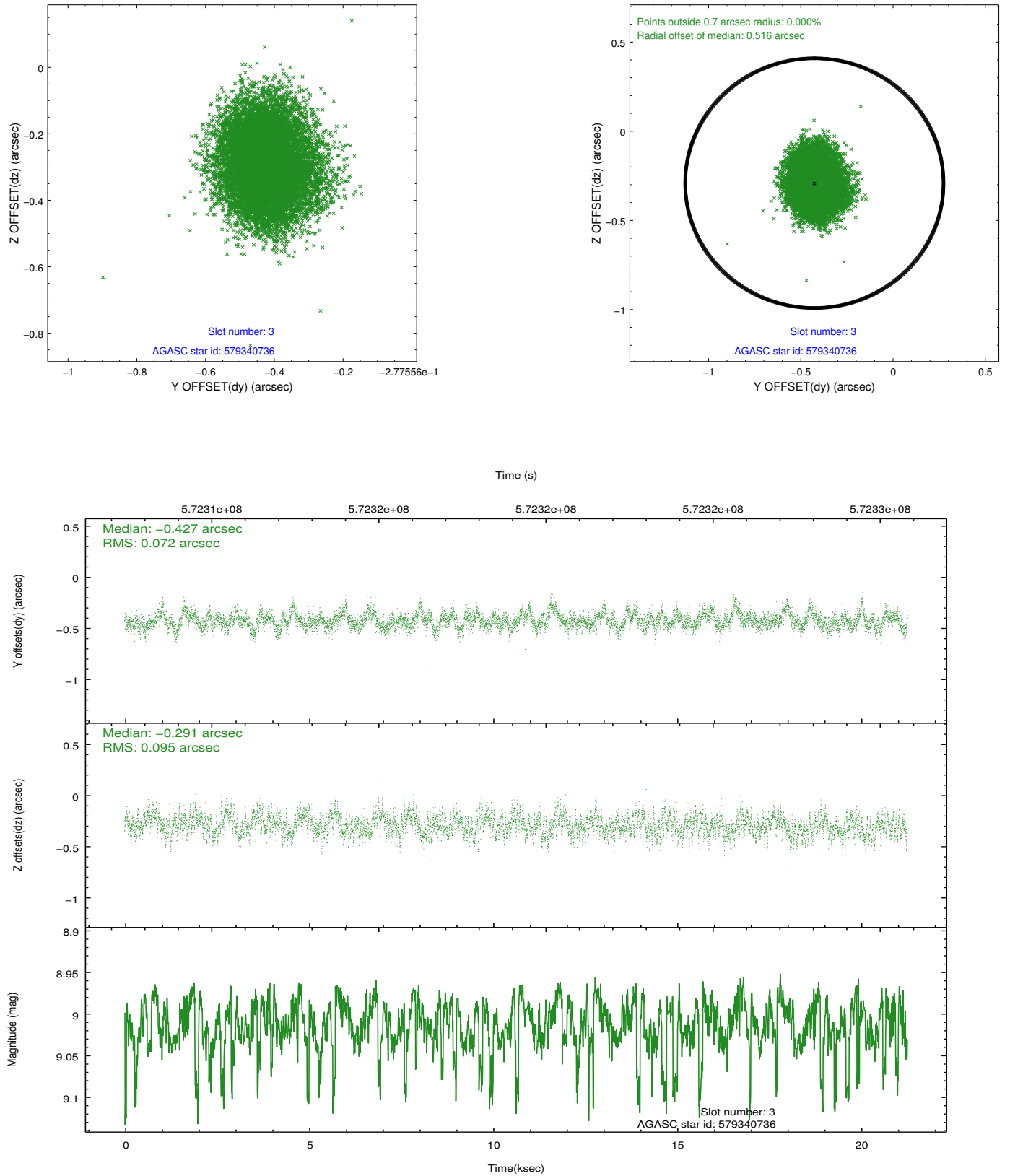


Slot Statistics

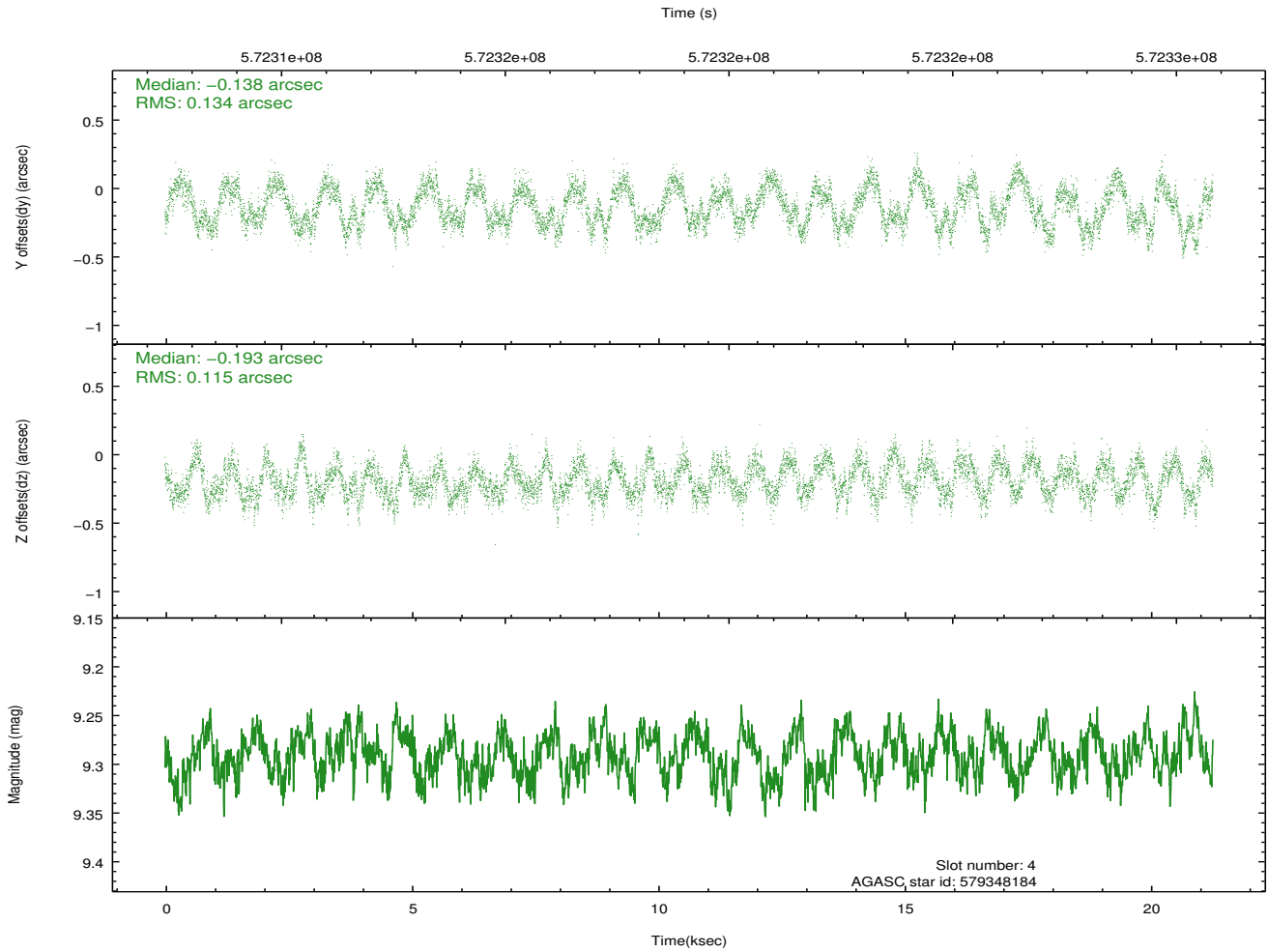
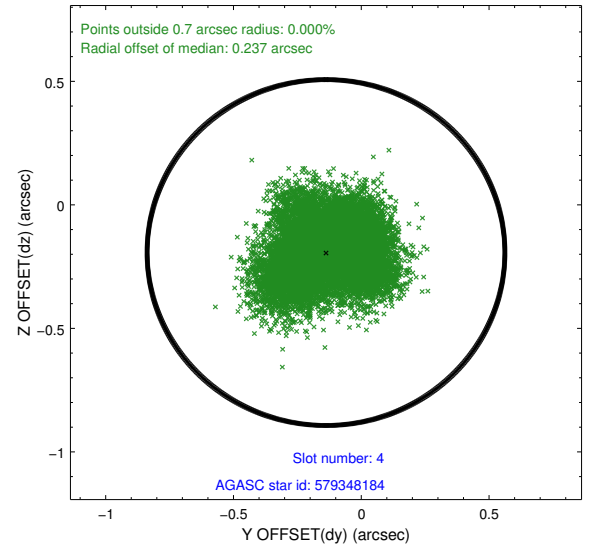
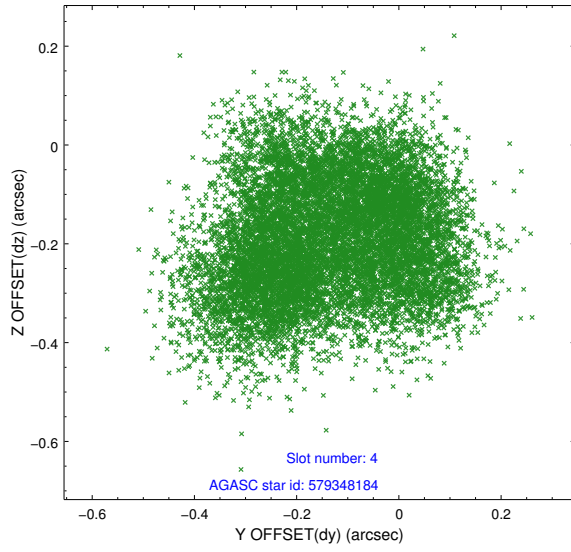
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.12	5189	-0.216	-0.139	0.013	0.020	0.000000	0.000000	-772.22	-1742.25
1	FID		ACIS-S-4	7.23	5189	0.496	0.141	0.007	0.012	0.000000	0.000000	2141.69	166.36
2	FID		ACIS-S-5	7.23	5188	-0.312	0.006	0.010	0.016	0.000000	0.000000	-1824.95	160.06
3	GUIDE	used	579340736	9.01	10366	-0.427	-0.291	0.128	0.203	249.397116	69.321462	958.32	1832.22
4	GUIDE	used	579348184	9.29	10362	-0.138	-0.193	0.192	0.286	249.672252	69.661527	2229.85	1847.30
5	GUIDE	used	579357080	8.39	10374	0.138	0.091	0.150	0.229	249.808649	68.321045	-2340.32	287.31
6	GUIDE	used	579351840	8.94	10368	0.272	0.392	0.118	0.189	251.421596	68.258572	-1905.67	-1828.02
7	GUIDE	used	579345072	7.91	10375	0.152	-0.010	0.104	0.170	251.844716	69.098847	1138.71	-1392.36

2.4 Star Slots

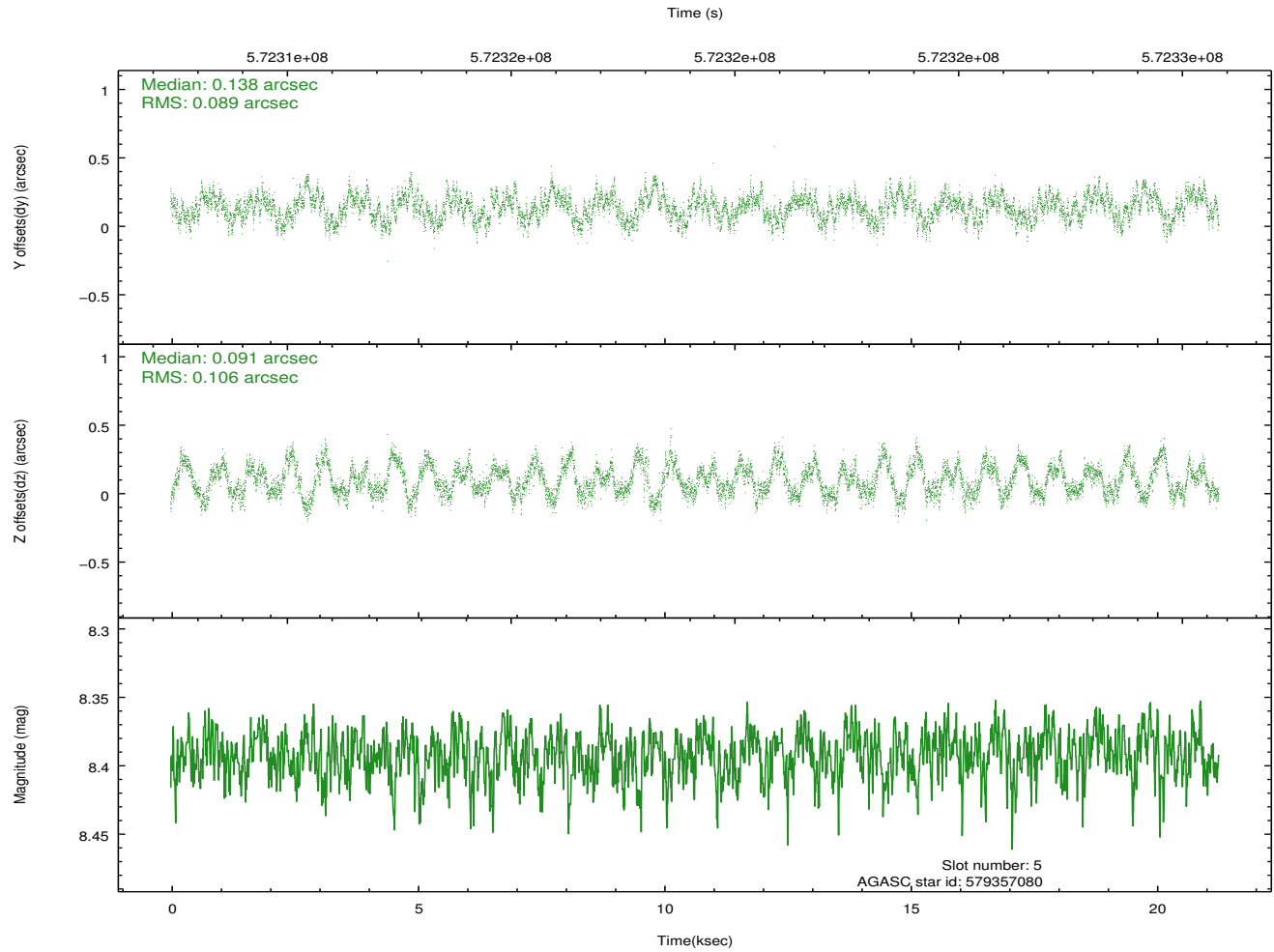
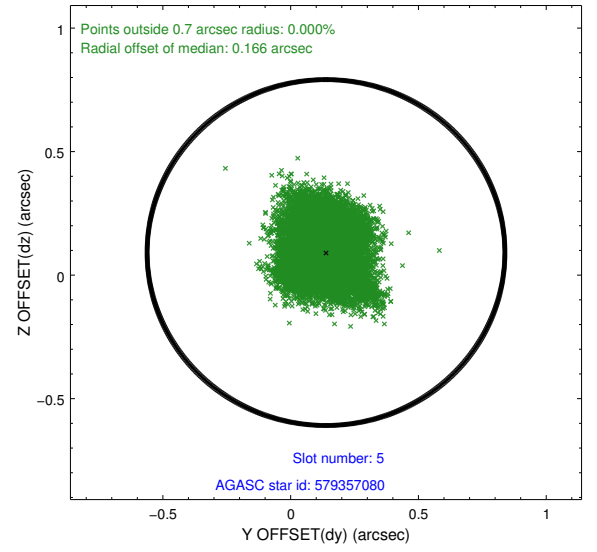
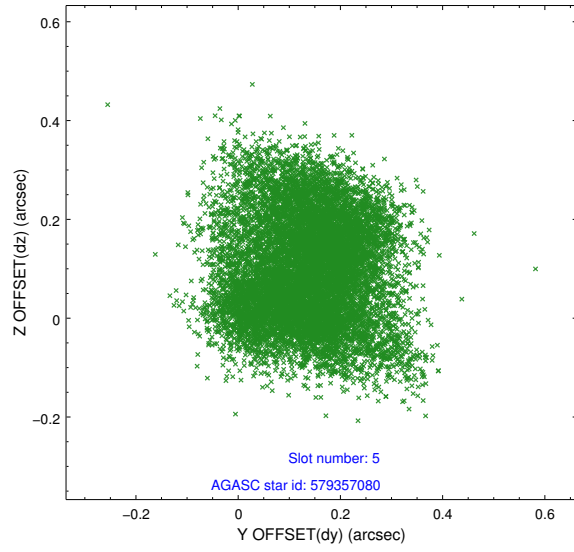
2.4.1 Slot 3



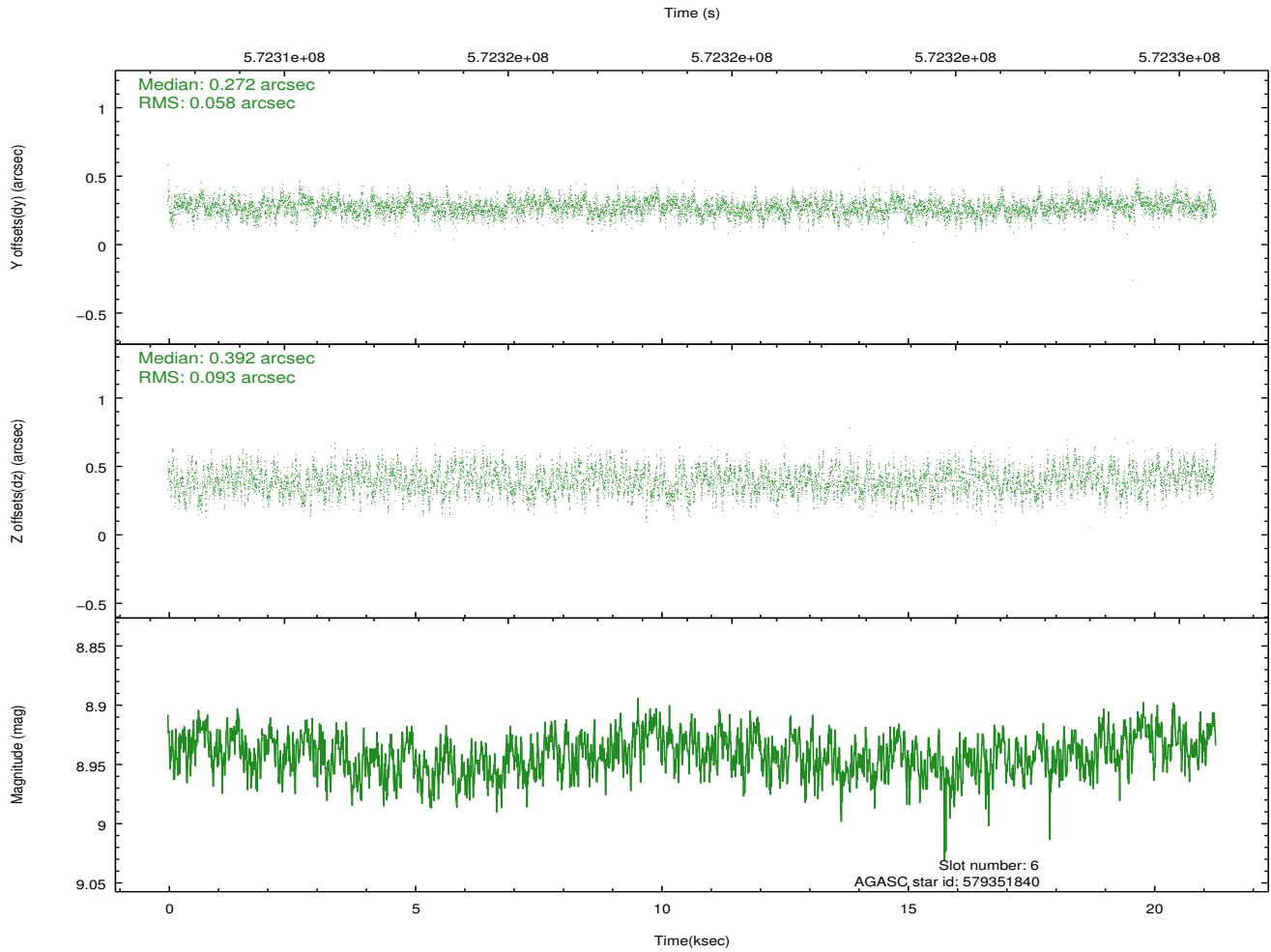
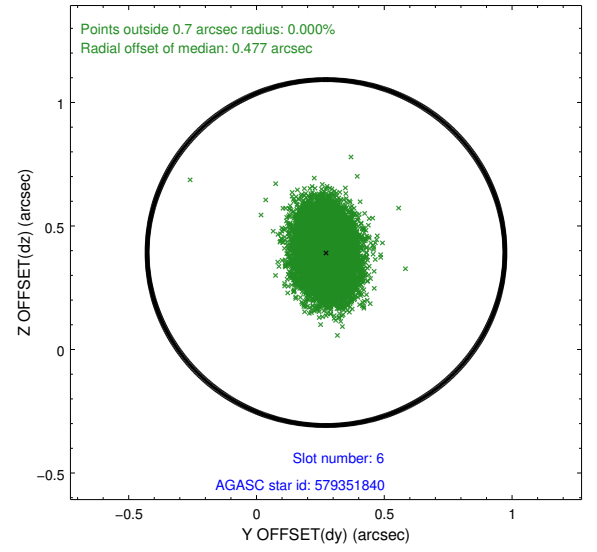
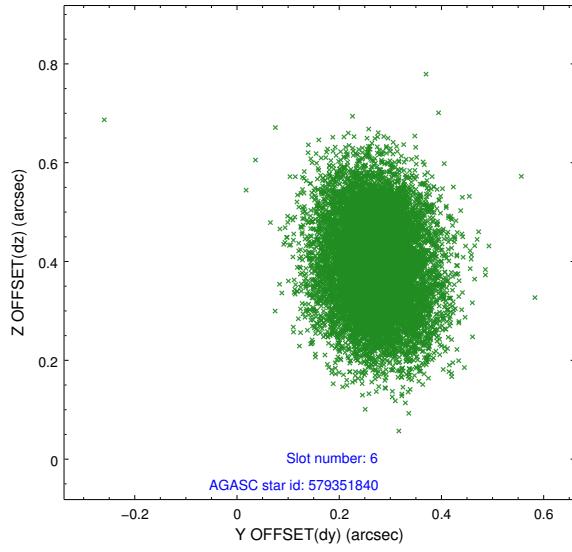
2.4.2 Slot 4



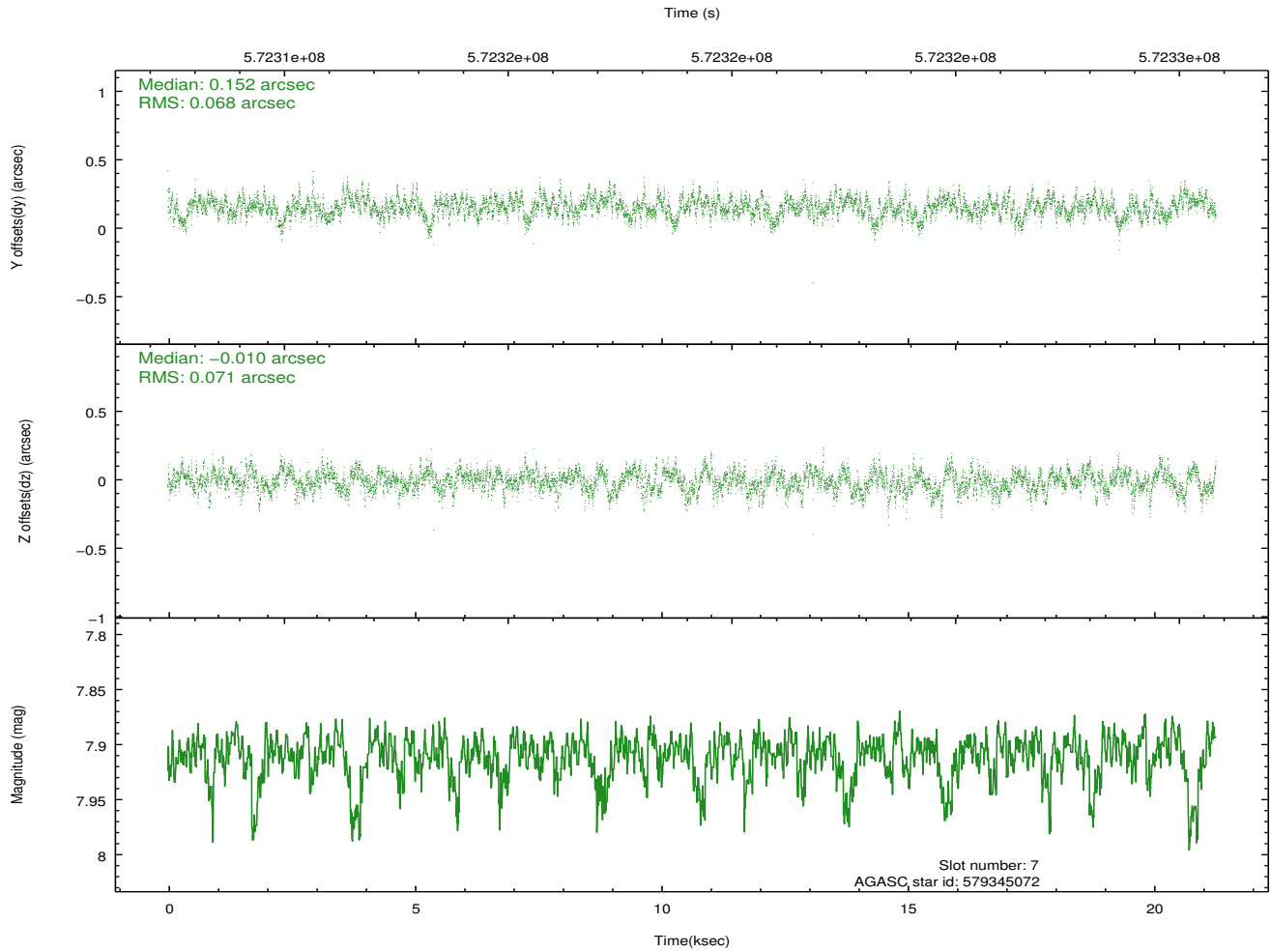
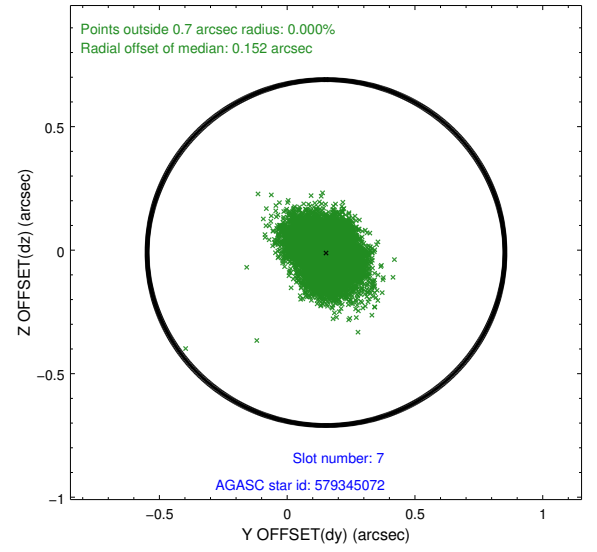
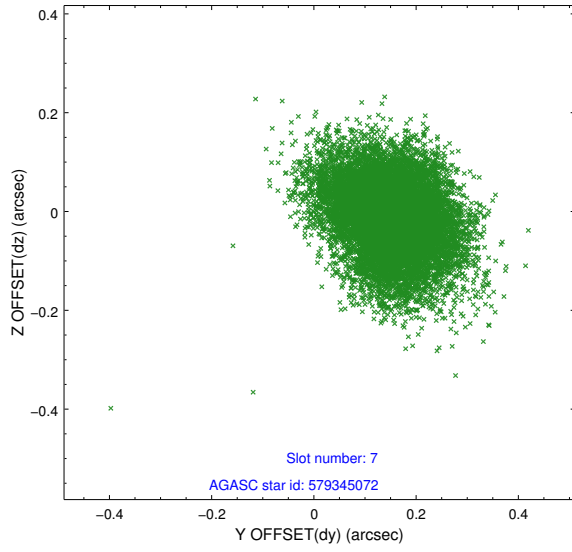
2.4.3 Slot 5



2.4.4 Slot 6

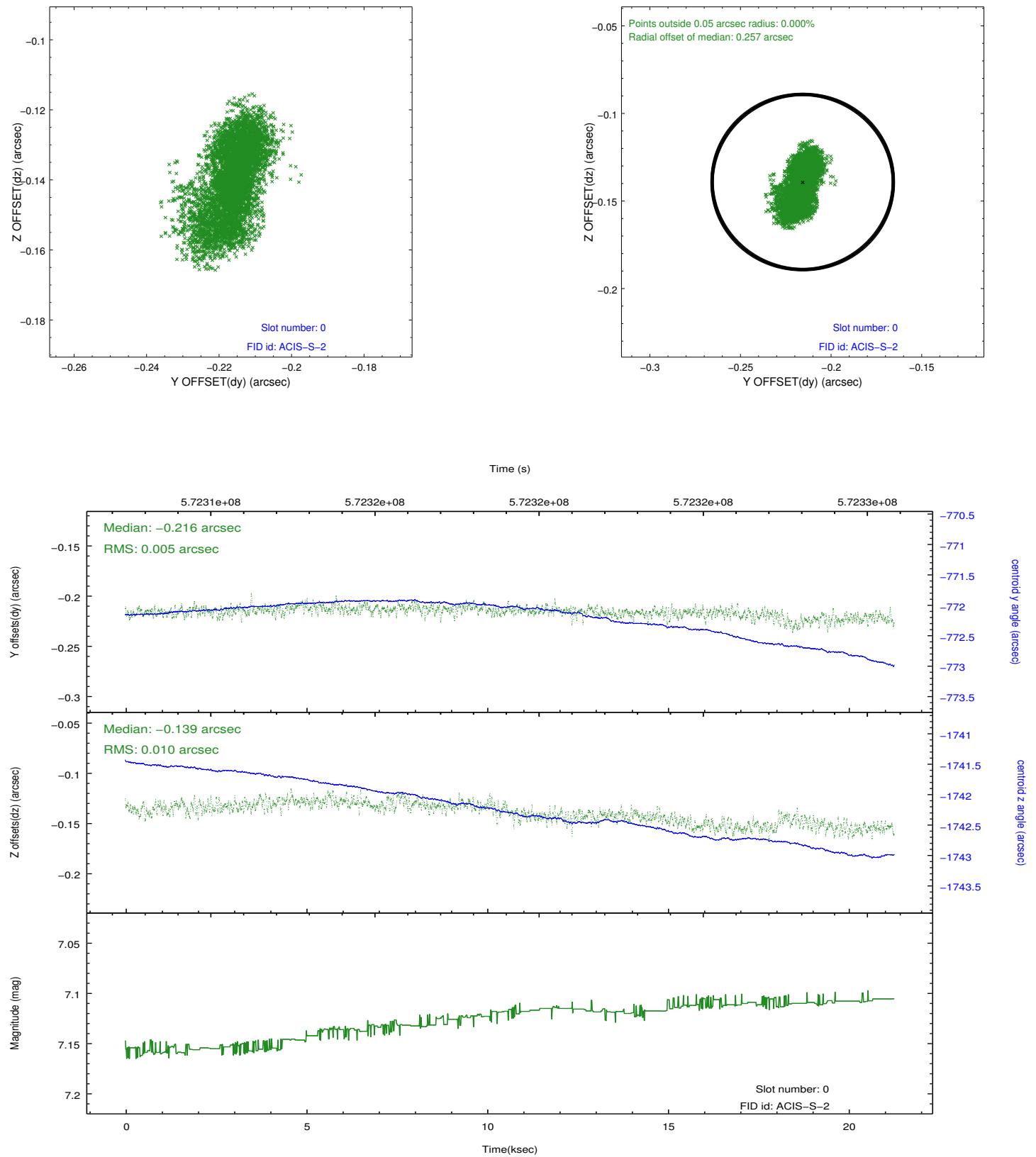


2.4.5 Slot 7

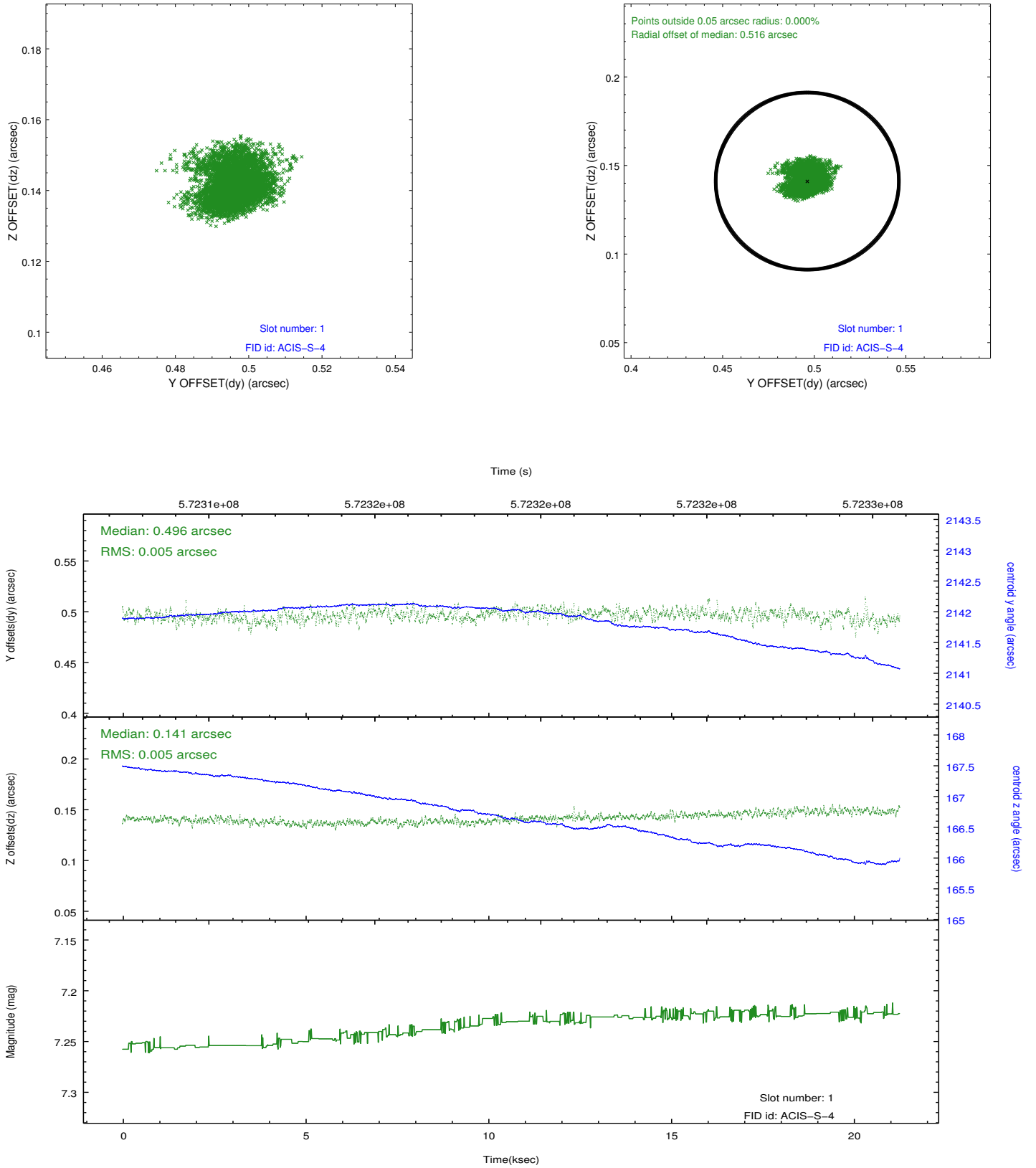


2.5 FID Slots

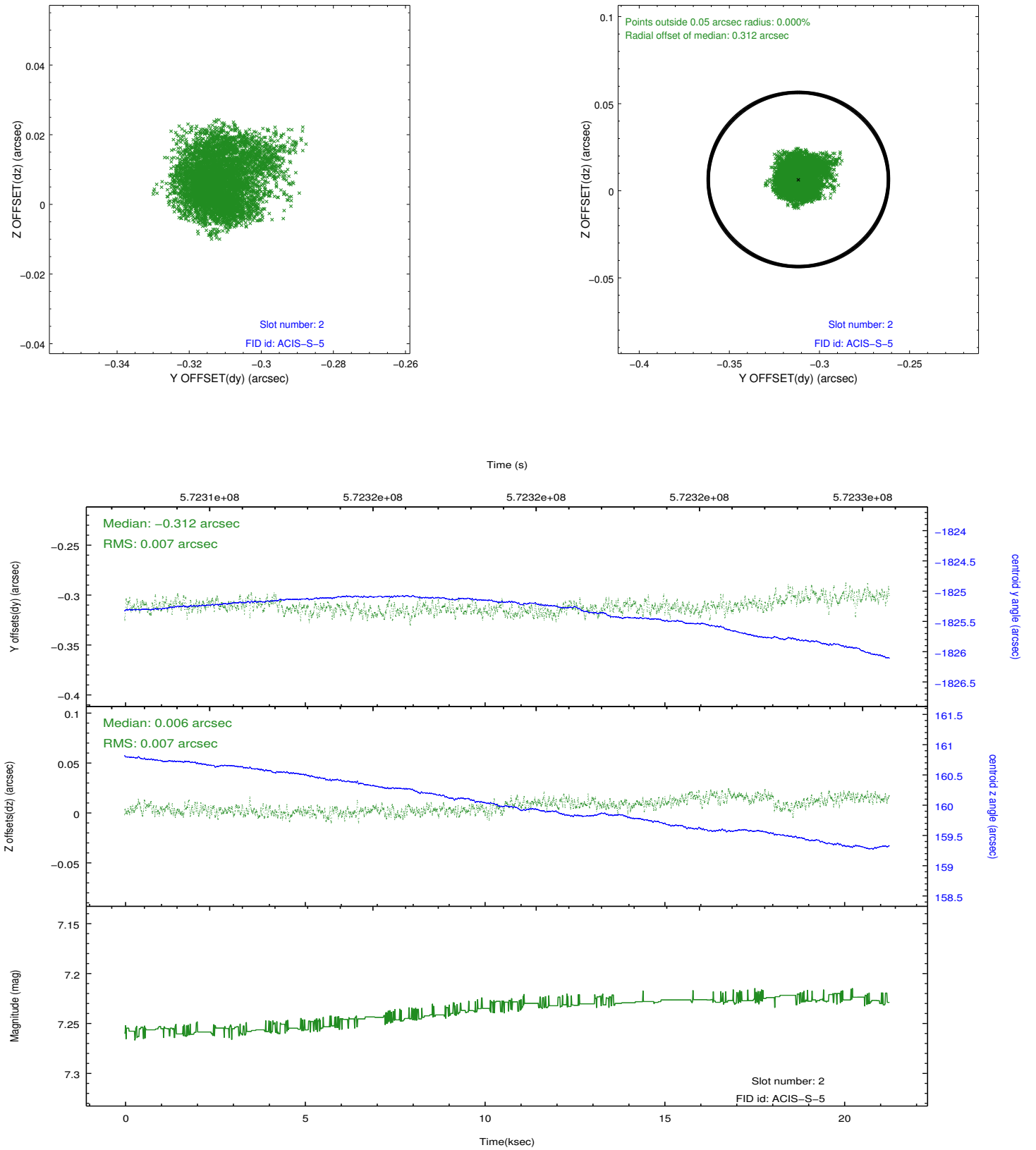
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2016.02.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	21.145315750241

A.2 Comments

Joint proposal with HST.