

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18171 - L2 Version 1
Chandra X-Ray Center

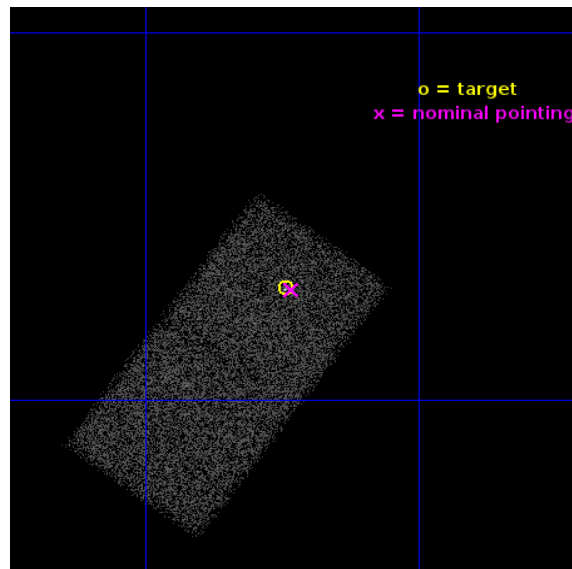
L2 Processing Date : Apr 17 2016

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

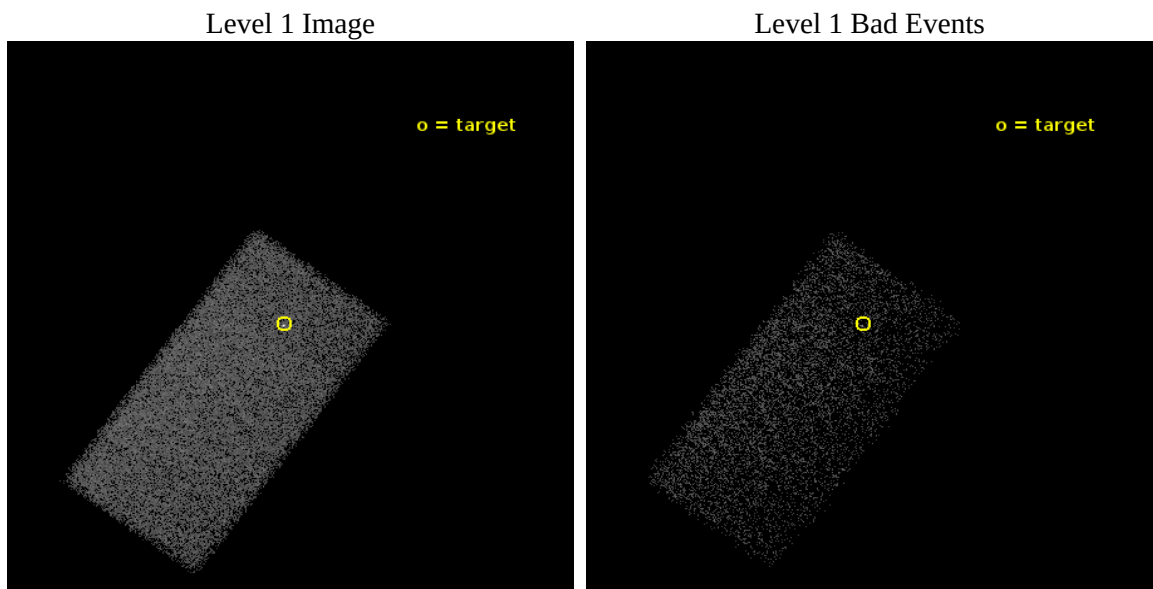
seq_num	703236	Sequence number
obs_id	18171	Observation id
title	Chandra Legacy Survey of Merger Driven AGN Activation in Nearby X-ray Selected AGN	Proposal title
observer	Dr Michael Koss	Principal investigator
object	IC 1185	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	241.435833	Observer's specified target RA [deg]
dec_targ	17.717639	Observer's specified target Dec [deg]
ra_nom	241.43310747589	Nominal RA [deg]
dec_nom	17.716771825834	Nominal Dec [deg]
roll_nom	126.2681052649	Nominal Roll [deg]
revision	1	Processing version of data
ontime	15069.0	Sum of GTIs [s]
livetime	14667.691948295	Livetime [s]
ontime7	15069.0	Sum of GTIs [s]
l2events	27518	Number of level 2 events



2 OBI

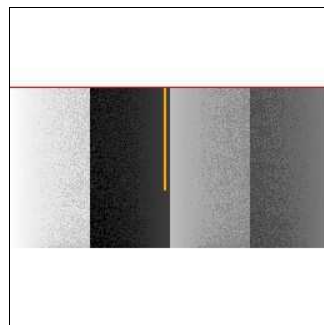
2.1 OBI

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	10.4.3.1	Processing system revision	ontime	15069.0	Sum of GTIs [s]
caldsver	4.7.1	 	ontime7	15069.0	Sum of GTIs [s]
date	2016-04-18T00:33:19	Date and time of file creation	l1events	61636	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

	ccd 7
level 1 events	61636
rejected events	33377
rejected %	54%

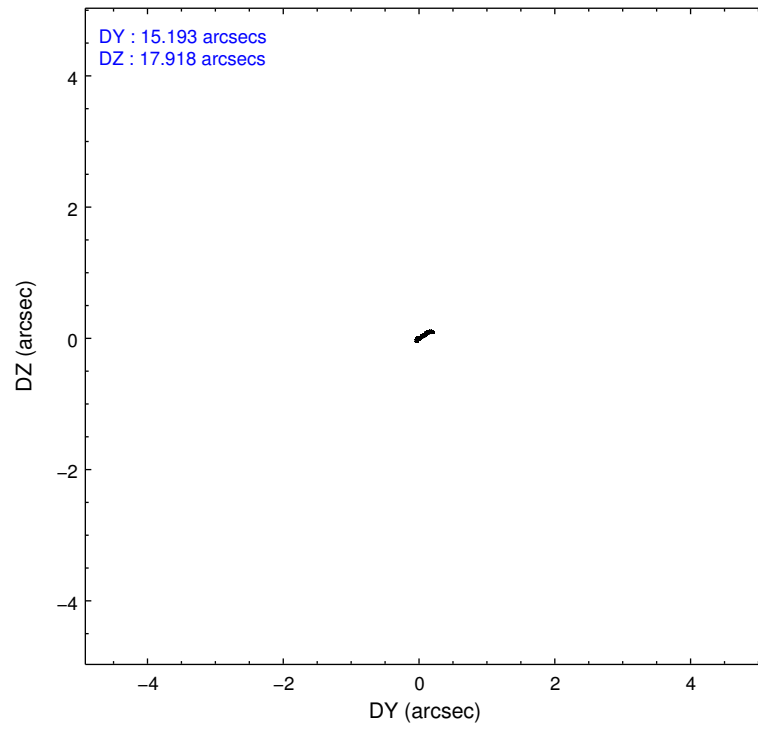
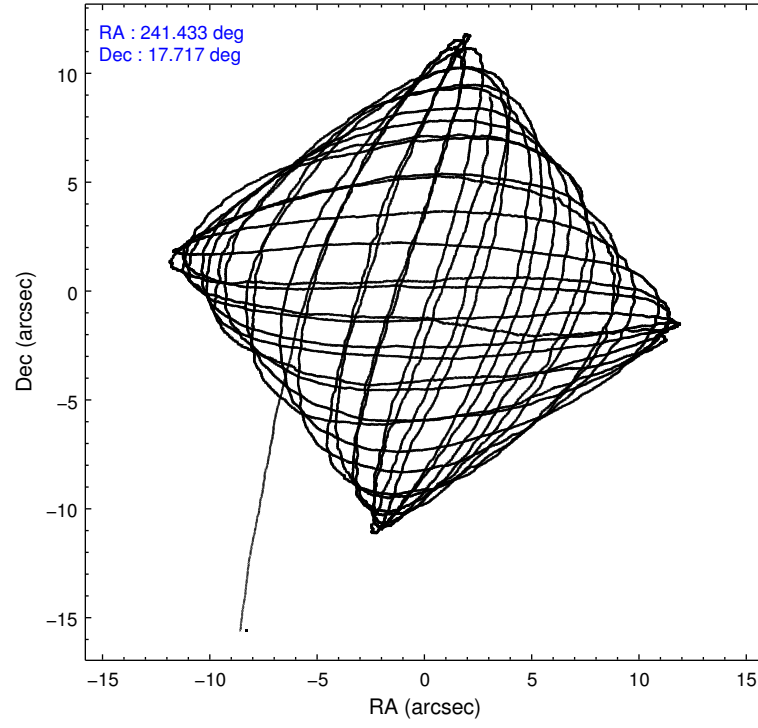
	ccd 7
grade 0 events	2705
	4%
grade 1 events	79
	0%
grade 2 events	5911
	9%
grade 3 events	2535
	4%
grade 4 events	2589
	4%
grade 5 events	5780
	9%
grade 6 events	14526
	23%
grade 7 events	27511
	44%

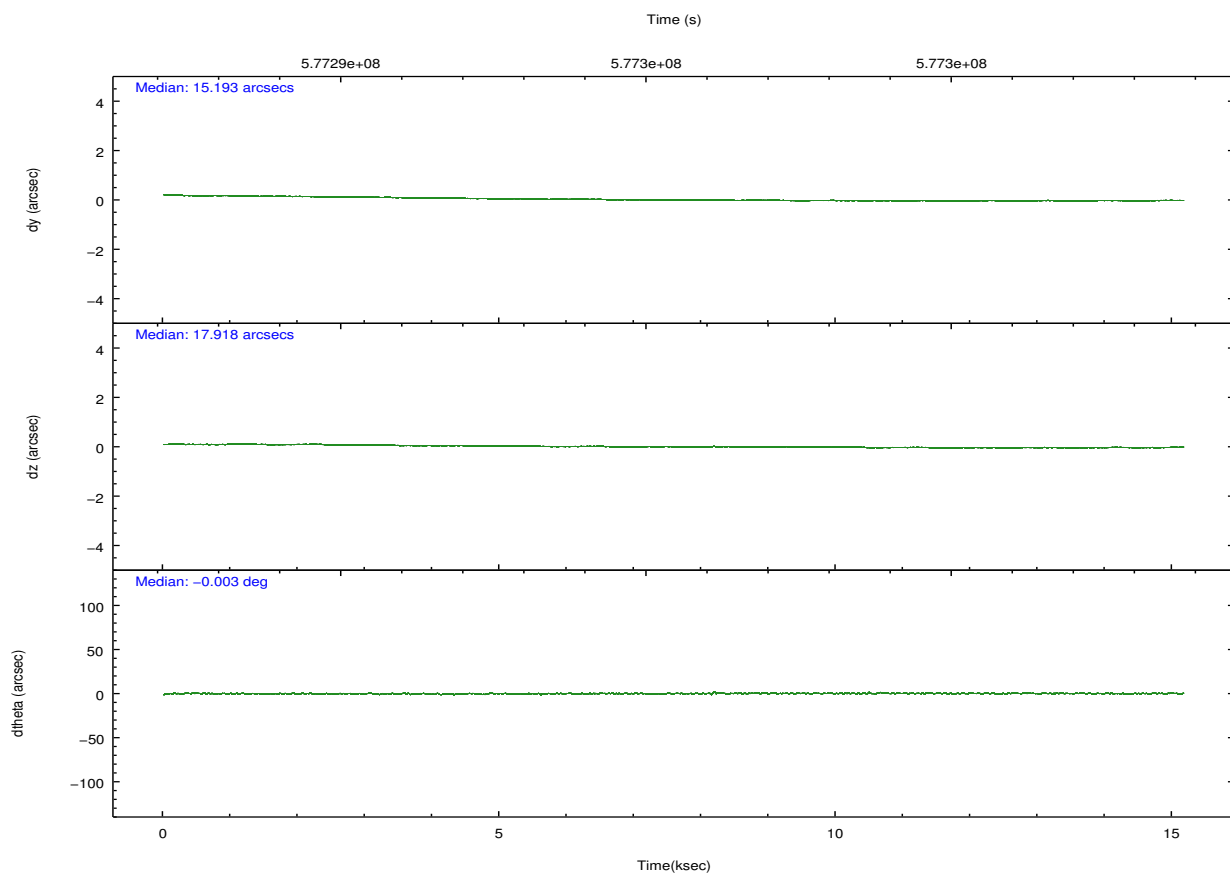
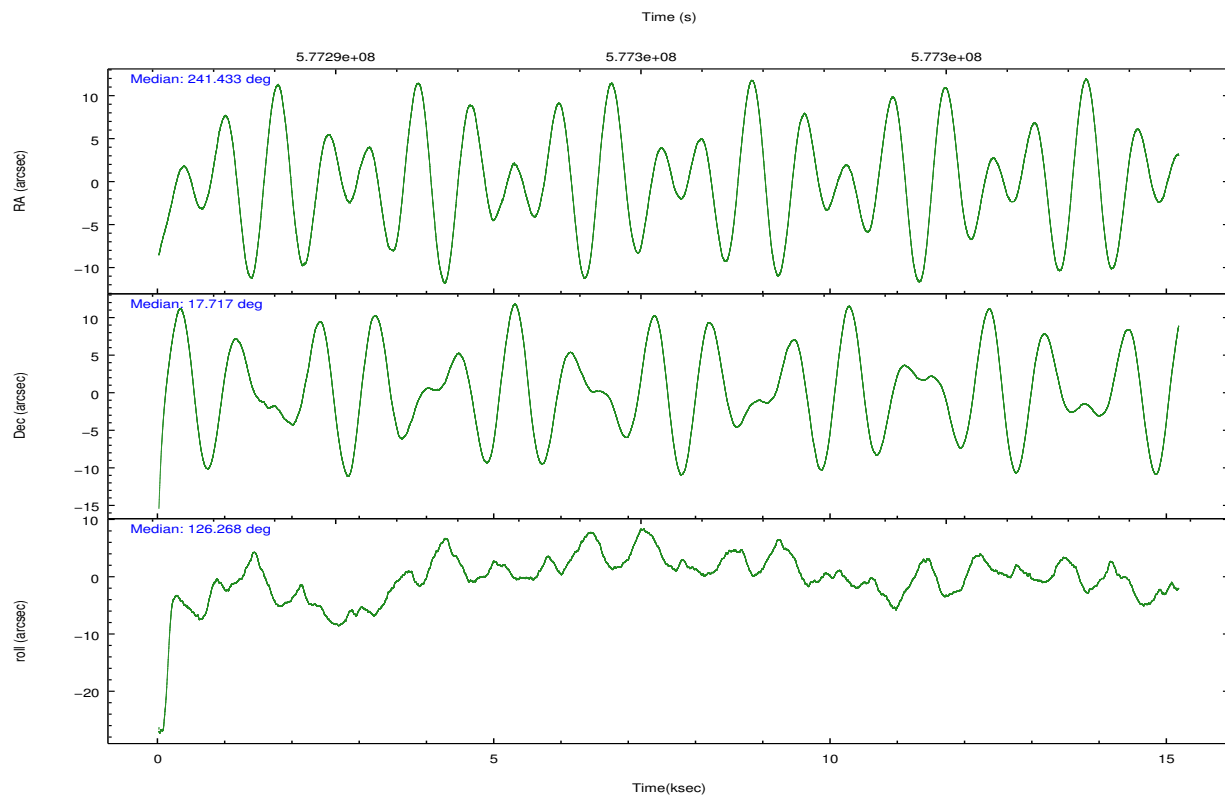
2.2 Compared Parameters

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	241.459651	241.4331074758907
[deg] Pointing Dec	17.706062	17.71677182583447
[deg] Pointing Roll	126.103410	126.2681052649015
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1425803651734
[mm] SIM translation stage offset	0	0.01005778216563158
[s] Observation start time (MET)	577288055.184000	577287206.84215
Observation start date	2016-04-17T13:46:27	2016-04-17T13:33:26
[s] Observation end time (MET)	577303055.184000	577303544.3180799
Observation end date	2016-04-17T17:56:27	2016-04-17T18:05:44
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	1/2
Subarray start row	257	257
Subarray row count	512	512
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	1.5

2.3 Aspect



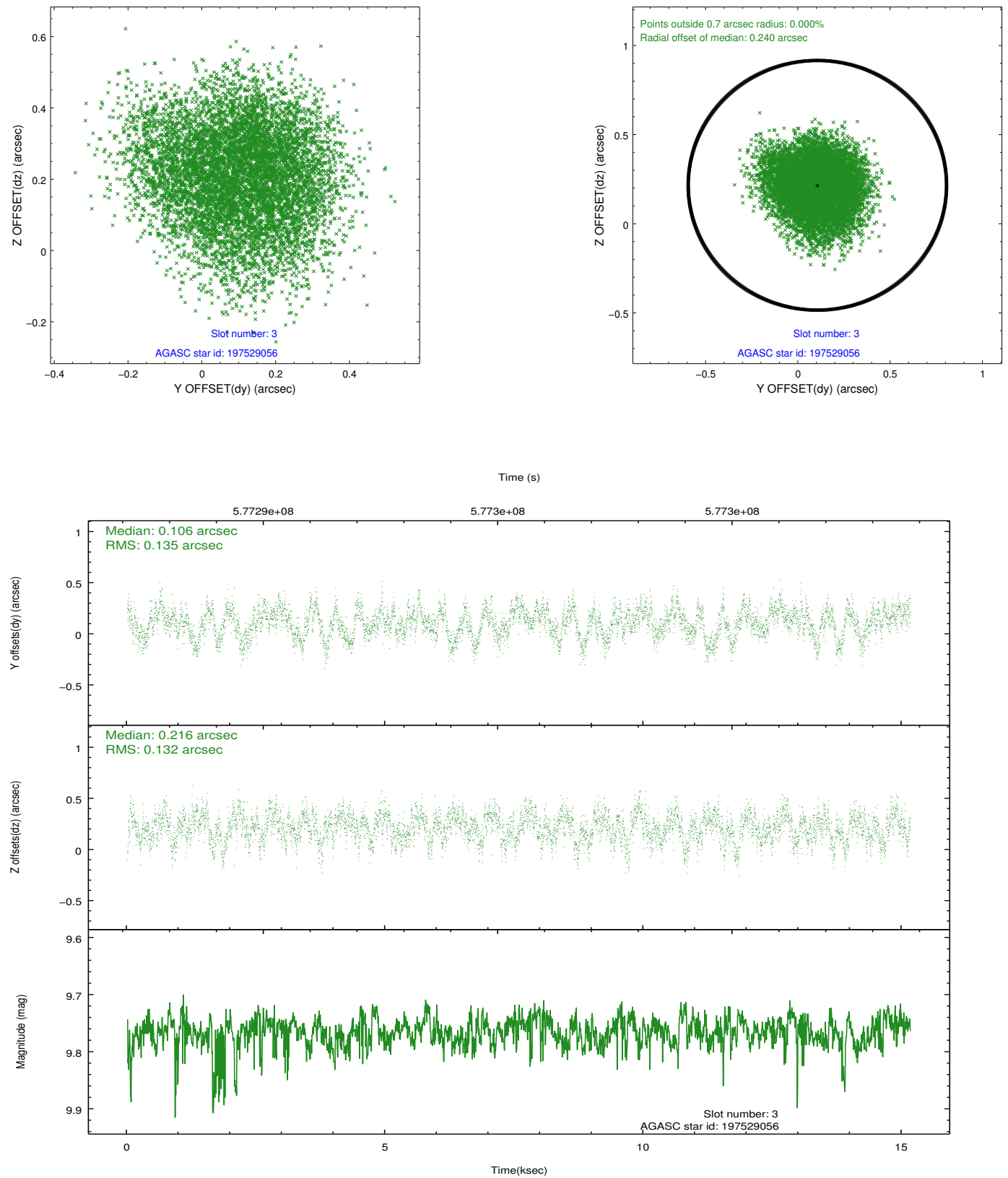


Slot Statistics

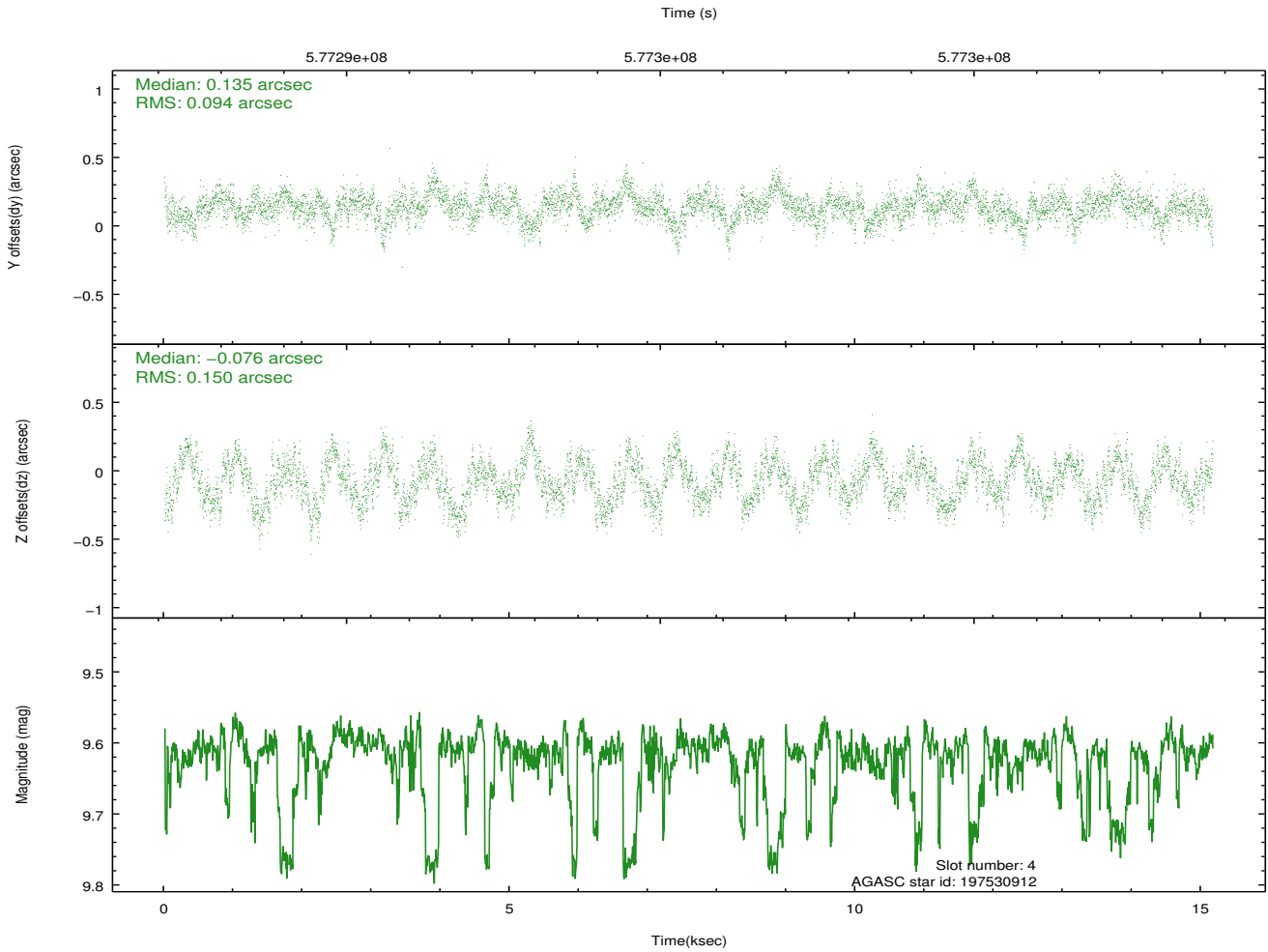
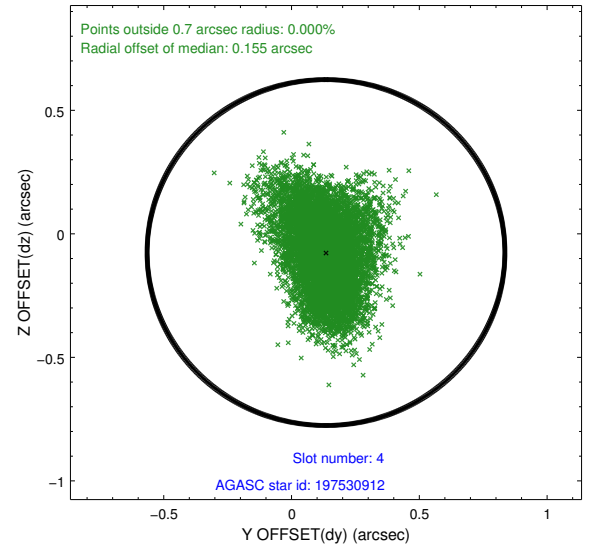
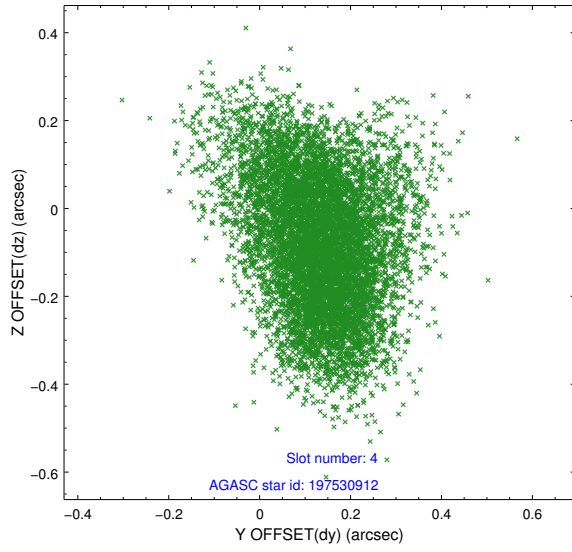
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.15	3698	-0.192	-0.169	0.008	0.013	0.000000	0.000000	-768.41	-1739.50
1	FID		ACIS-S-4	7.25	3698	0.496	0.138	0.006	0.011	0.000000	0.000000	2145.44	168.95
2	FID		ACIS-S-5	7.27	3698	-0.335	0.040	0.007	0.011	0.000000	0.000000	-1820.99	162.91
3	GUIDE	used	197529056	9.77	7389	0.106	0.216	0.205	0.314	241.695051	18.343610	1383.18	-2002.17
4	GUIDE	used	197530912	9.62	7382	0.135	-0.076	0.189	0.308	241.559759	17.403488	-1081.86	364.37
5	GUIDE	used	197530968	9.59	7384	-0.014	0.021	0.150	0.264	241.553279	17.328552	-1287.60	541.25
6	GUIDE	used	197533488	6.52	7397	-0.479	-0.455	0.090	0.137	240.957637	17.802774	1297.04	1183.68
7	GUIDE	used	197659528	9.54	7389	0.259	0.307	0.186	0.299	242.009225	17.330063	-2203.23	-729.07

2.4 Star Slots

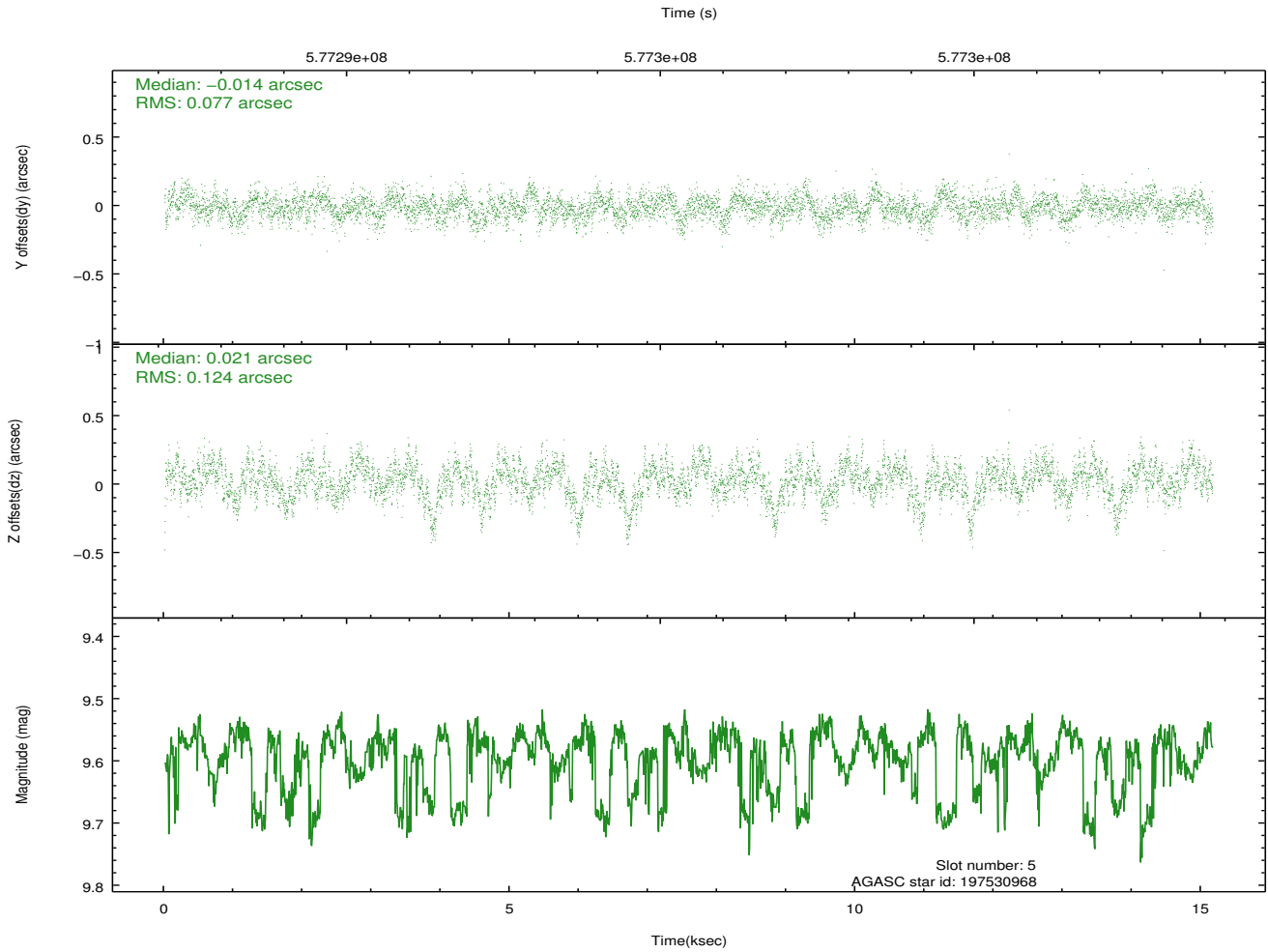
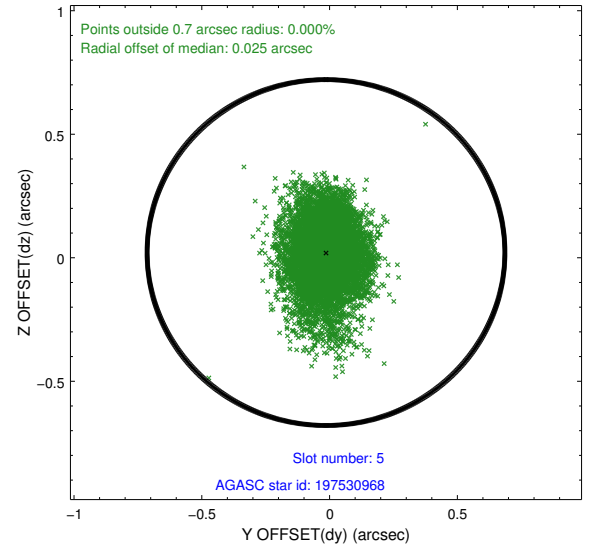
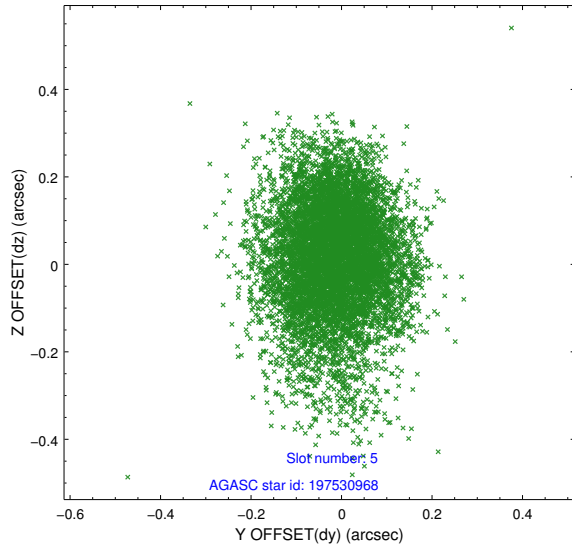
2.4.1 Slot 3



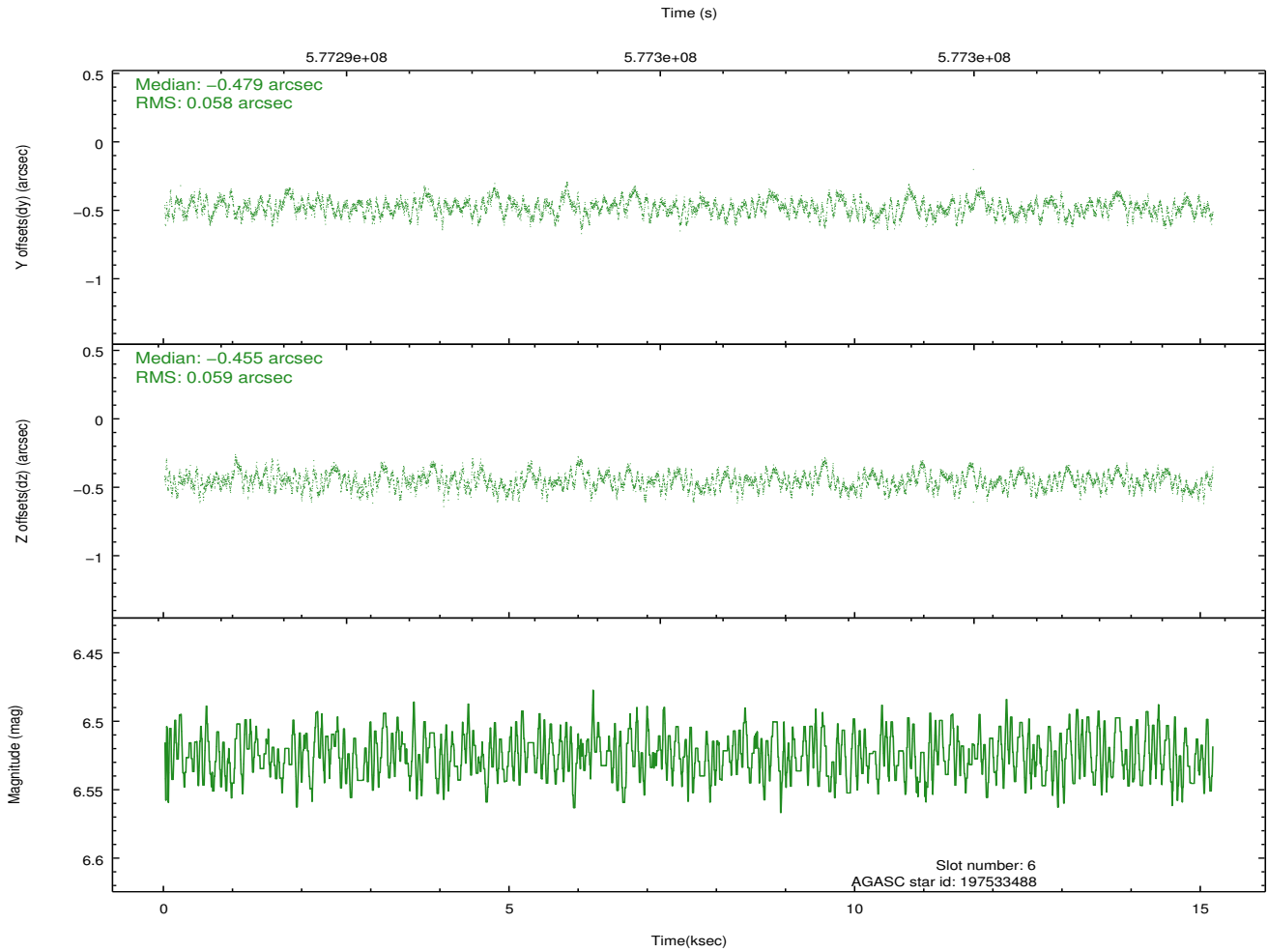
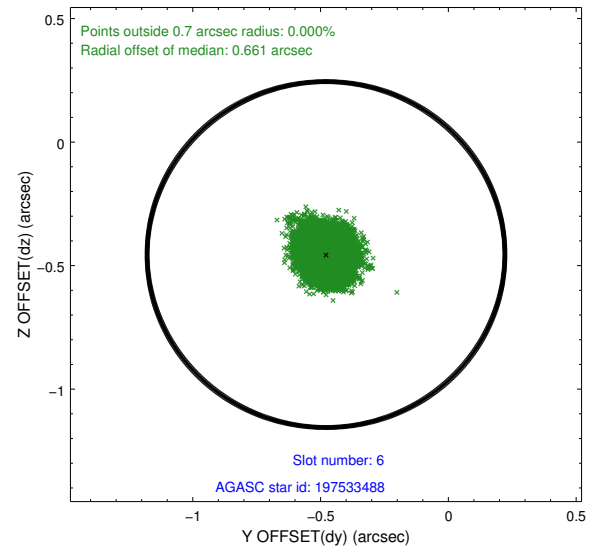
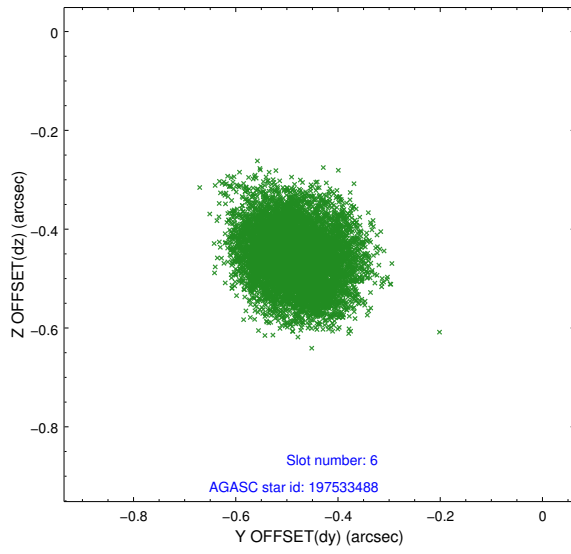
2.4.2 Slot 4



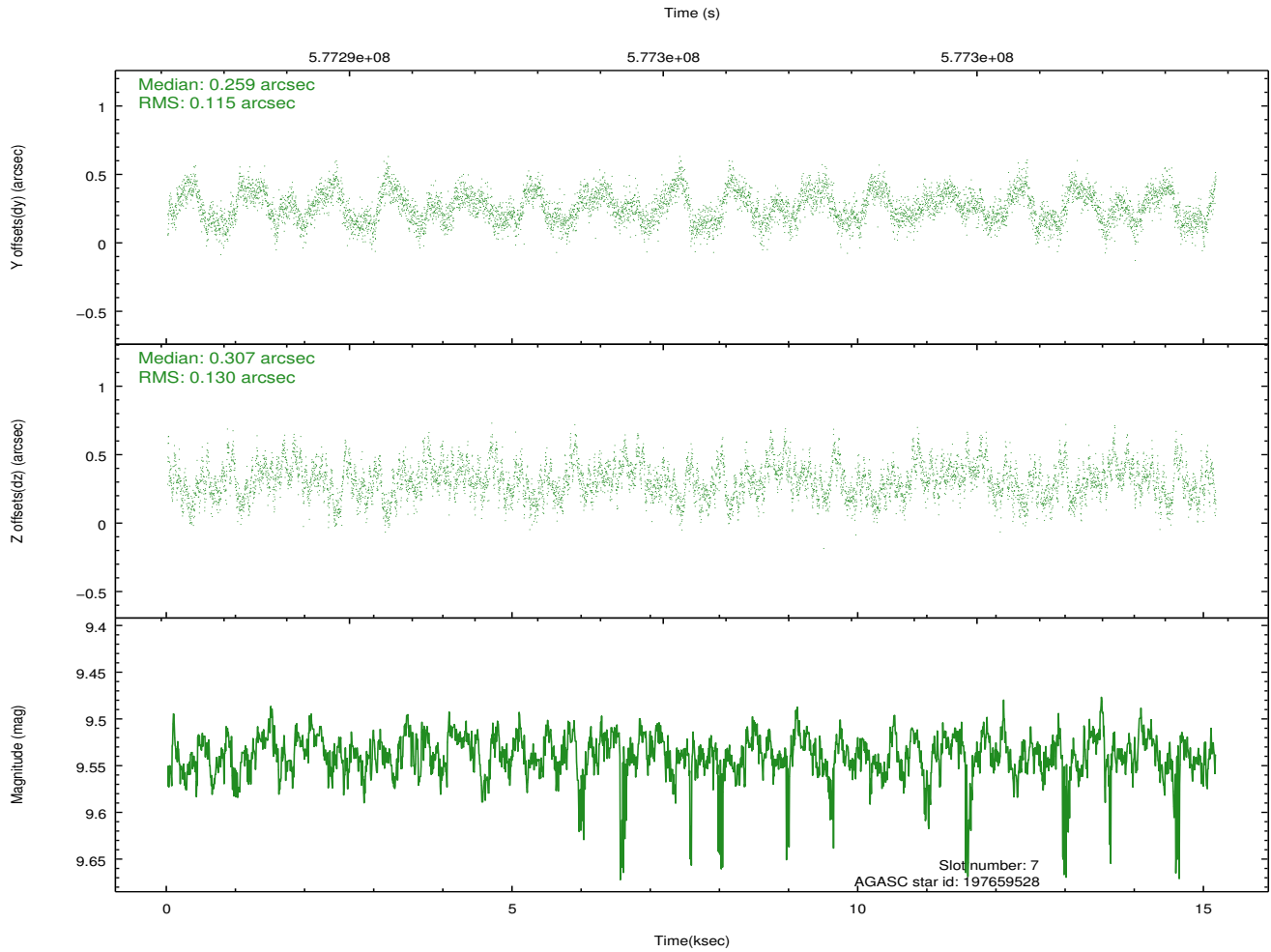
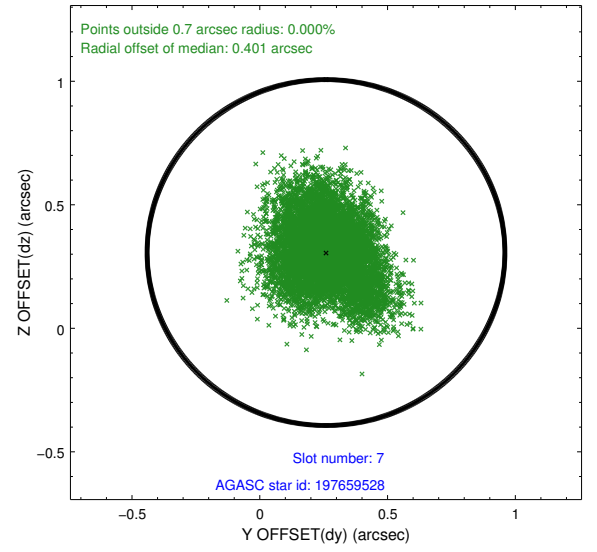
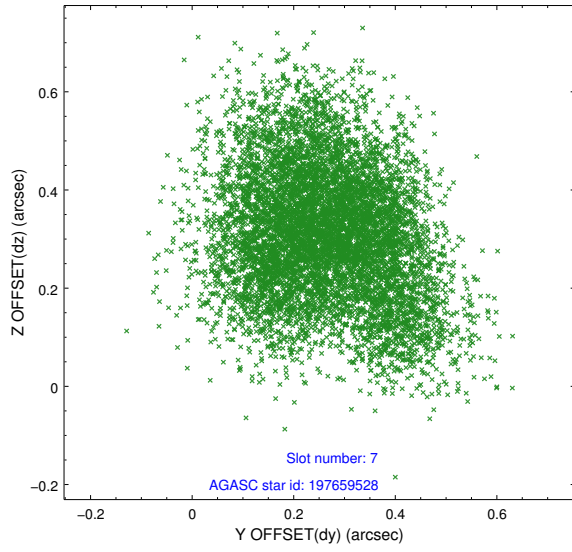
2.4.3 Slot 5



2.4.4 Slot 6

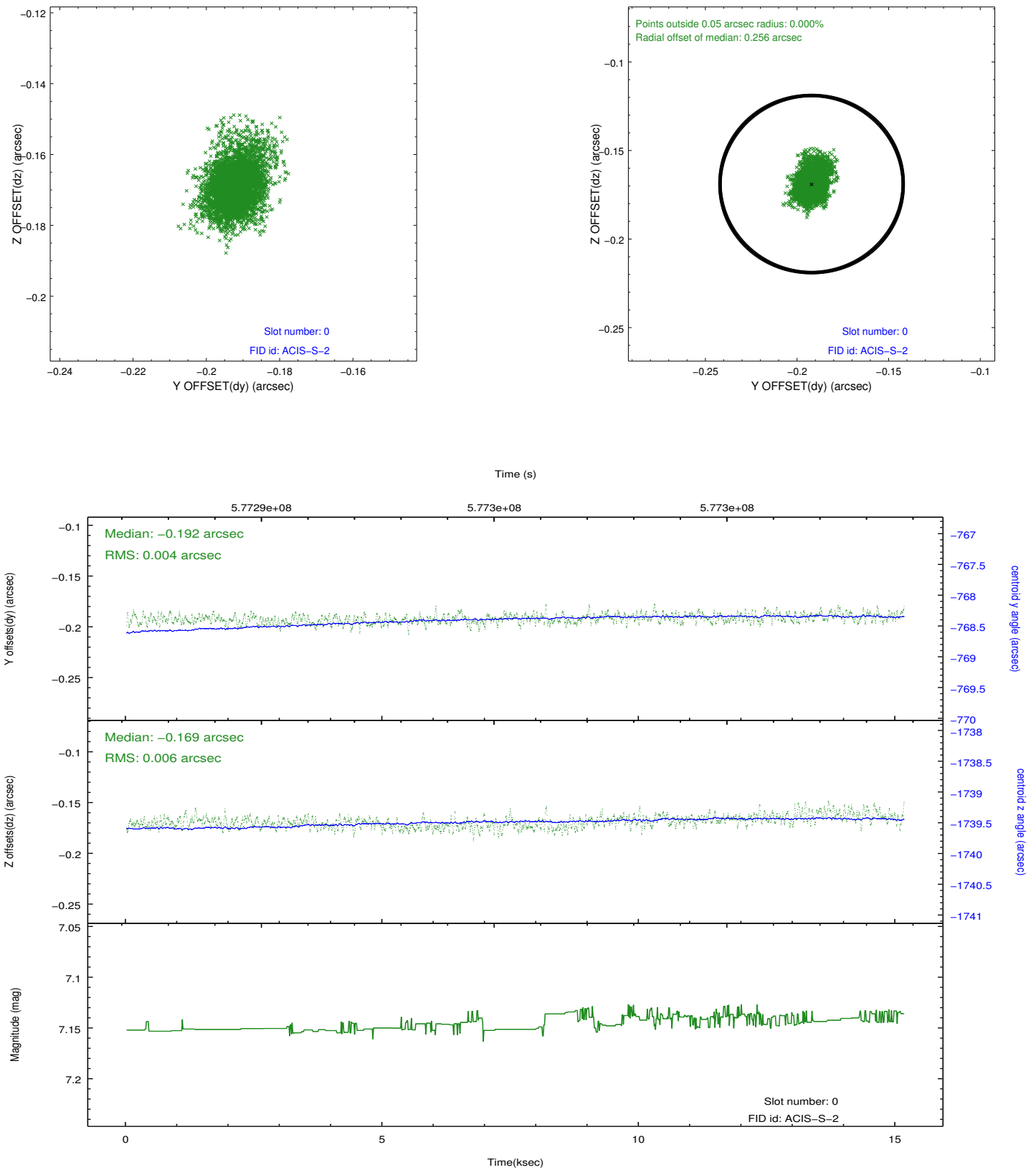


2.4.5 Slot 7

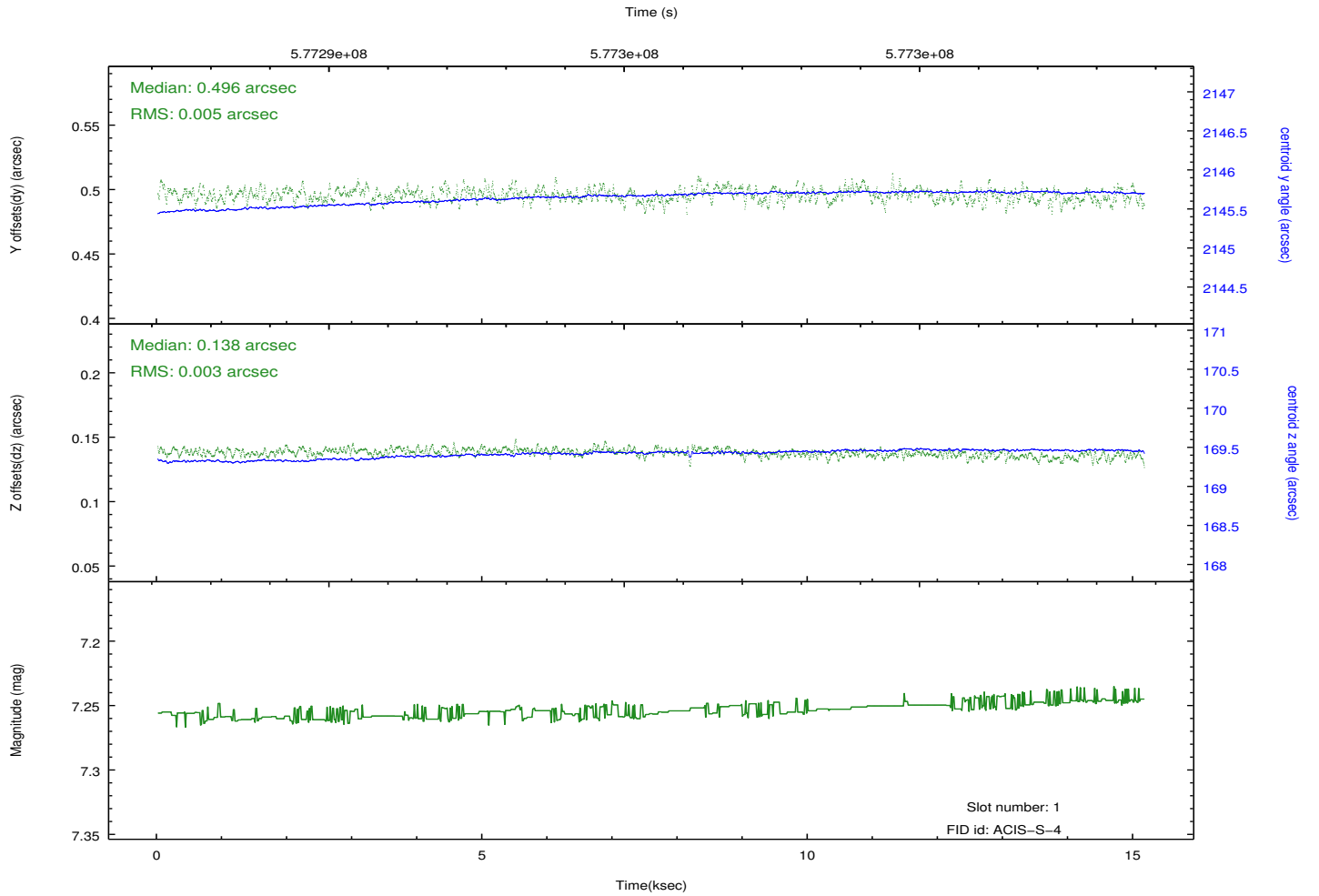
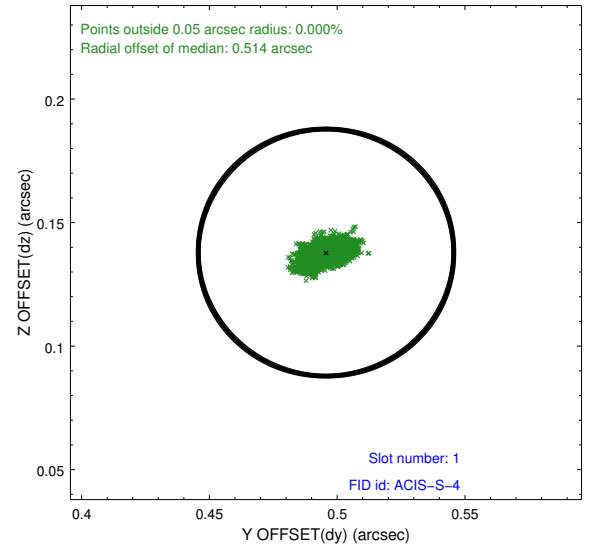
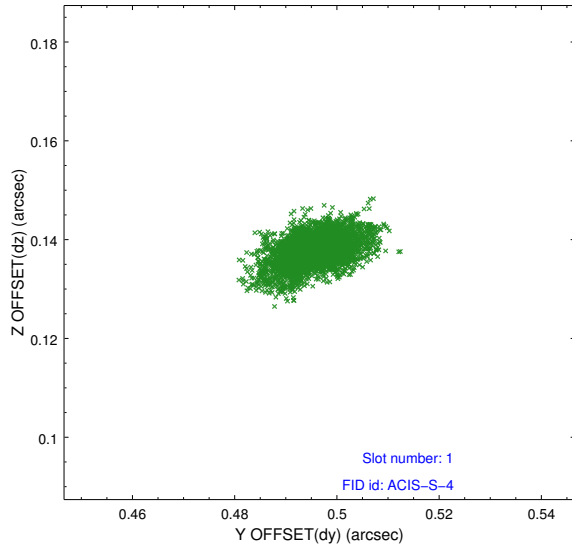


2.5 FID Slots

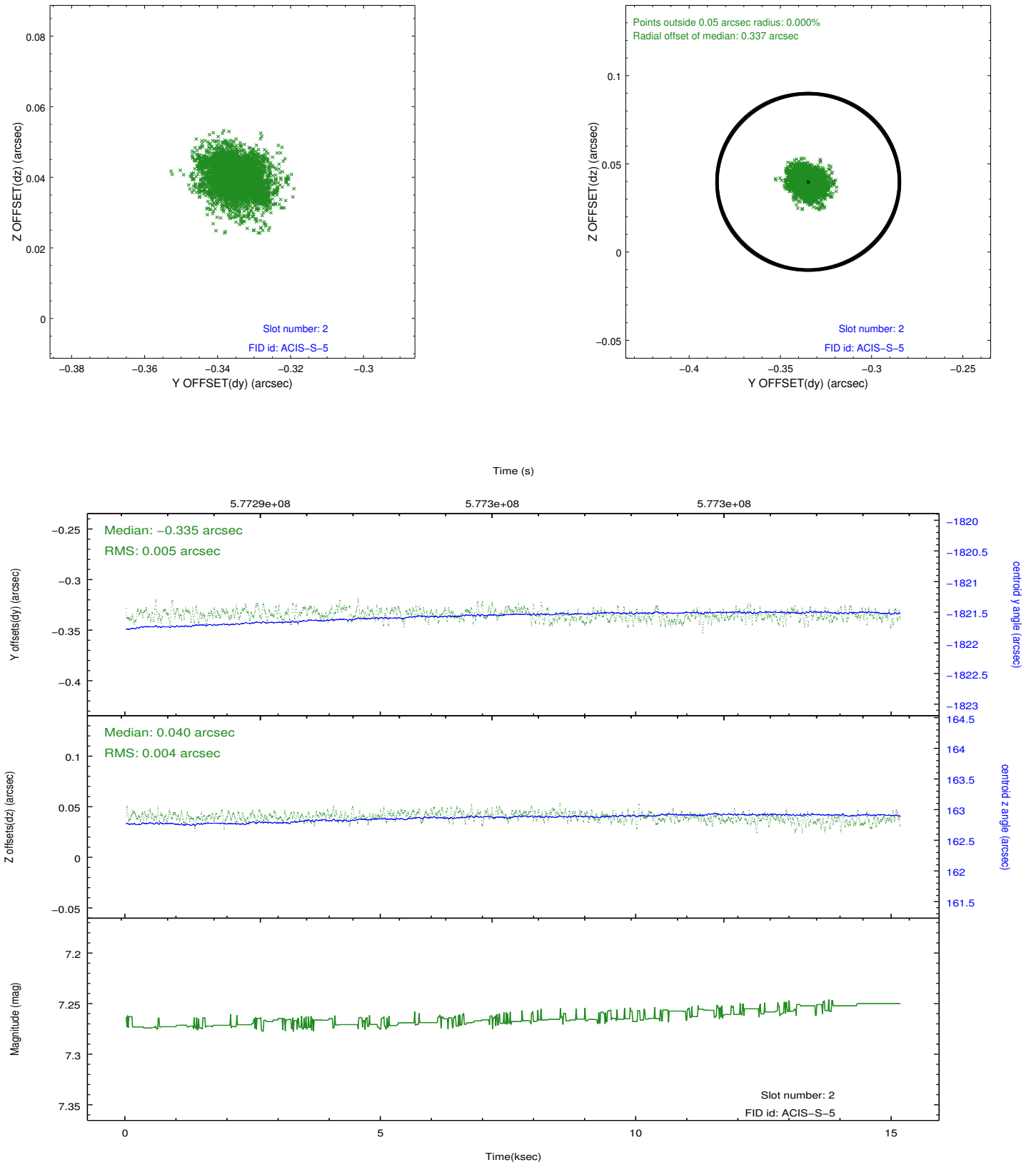
2.5.1 Slot 0



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)	2016.04.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.069

A.2 Comments