

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 13679 - L2 Version 1
Chandra X-Ray Center

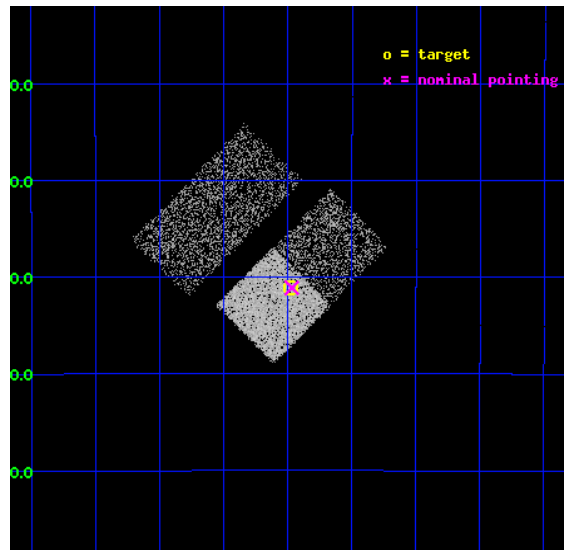
L2 Processing Date : May 19 2012

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

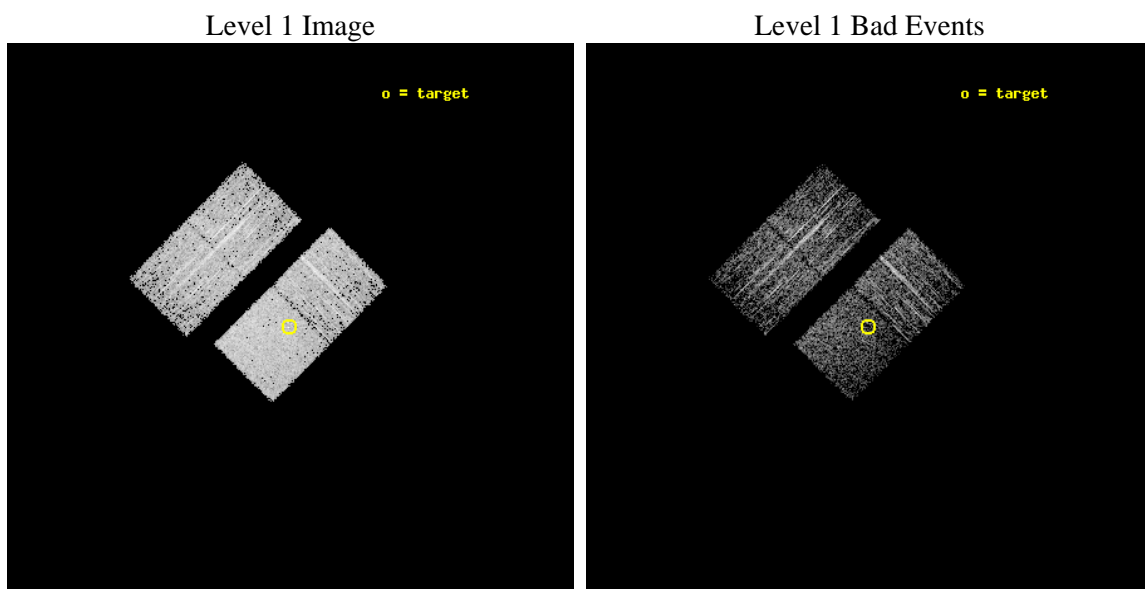
seq_num	300310	Sequence number
obs_id	13679	Observation id
title	Probing Coronal Supersaturation in Pre-Cataclysmic Binaries with M-type Companions	Proposal title
observer	Dr. Jeremy Drake	Principal investigator
object	LTT560	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	14.870417	Observer's specified target RA [deg]
dec_targ	-26.518056	Observer's specified target Dec [deg]
ra_nom	14.867098957565	Nominal RA [deg]
dec_nom	-26.518621504933	Nominal Dec [deg]
roll_nom	134.91233306252	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3075.2000236511	Sum of GTIs [s]
livetime	3035.0202714128	Livetime [s]
ontime2	3075.2000236511	Sum of GTIs [s]
ontime3	3075.2000236511	Sum of GTIs [s]
ontime6	3075.2000236511	Sum of GTIs [s]
ontime7	3075.2000236511	Sum of GTIs [s]
l2events	16195	Number of level 2 events



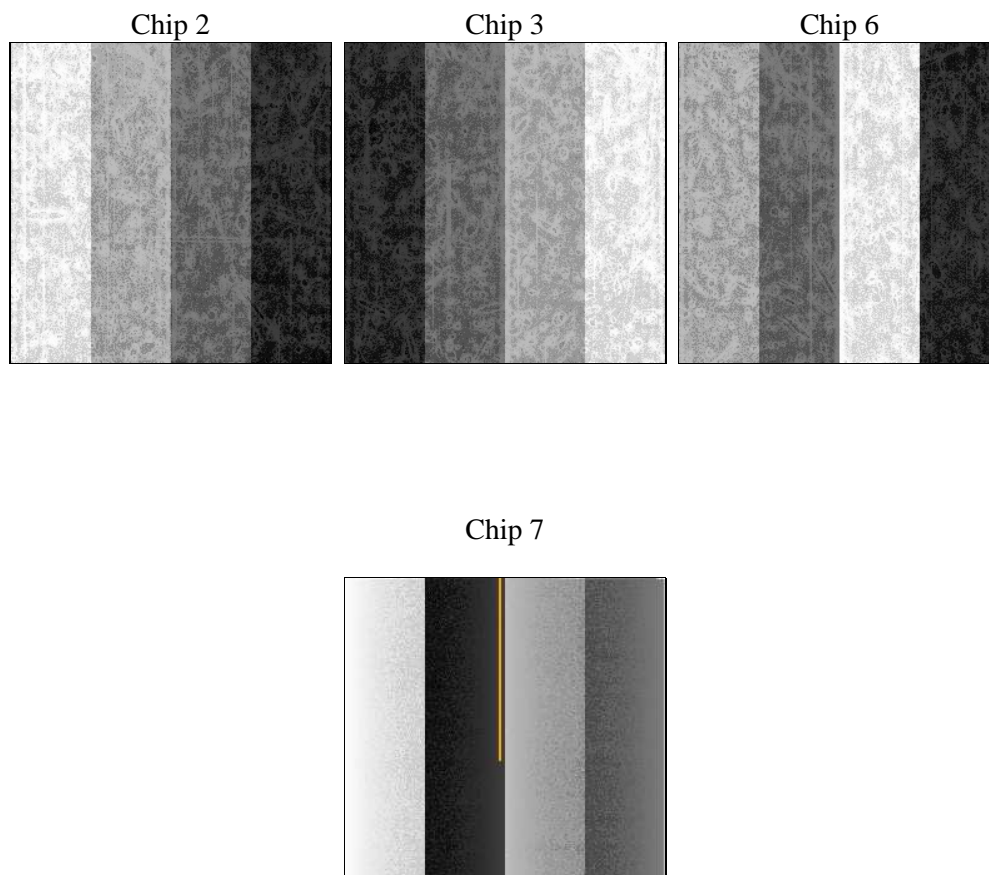
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	3075.2000236511	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	3075.2000236511	Sum of GTIs [s]
date	2012-05-20T01:14:33	Date and time of file creation	ontime3	3075.2000236511	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	3075.2000236511	Sum of GTIs [s]
			ontime7	3075.2000236511	Sum of GTIs [s]
			l1events	82608	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	20299	18215	19709	24385
rejected events	18029	16261	17338	13339
rejected %	88%	89%	87%	54%

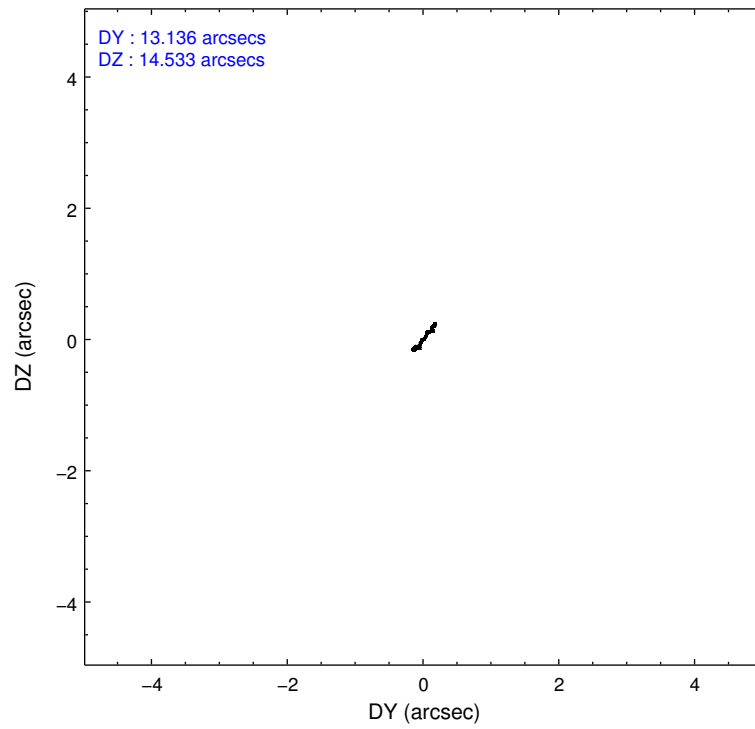
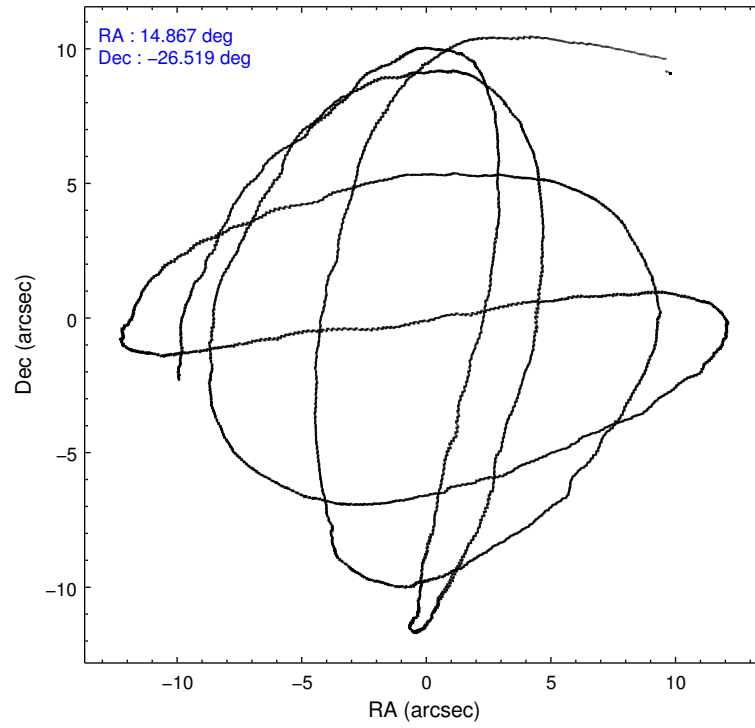
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	834	726	853	994
	4%	3%	4%	4%
grade 1 events	14	16	8	28
	0%	0%	0%	0%
grade 2 events	579	436	553	2296
	2%	2%	2%	9%
grade 3 events	219	197	227	1013
	1%	1%	1%	4%
grade 4 events	220	211	231	963
	1%	1%	1%	3%
grade 5 events	730	911	894	2424
	3%	5%	4%	9%
grade 6 events	424	389	511	5802
	2%	2%	2%	23%
grade 7 events	17279	15329	16432	10865
	85%	84%	83%	44%

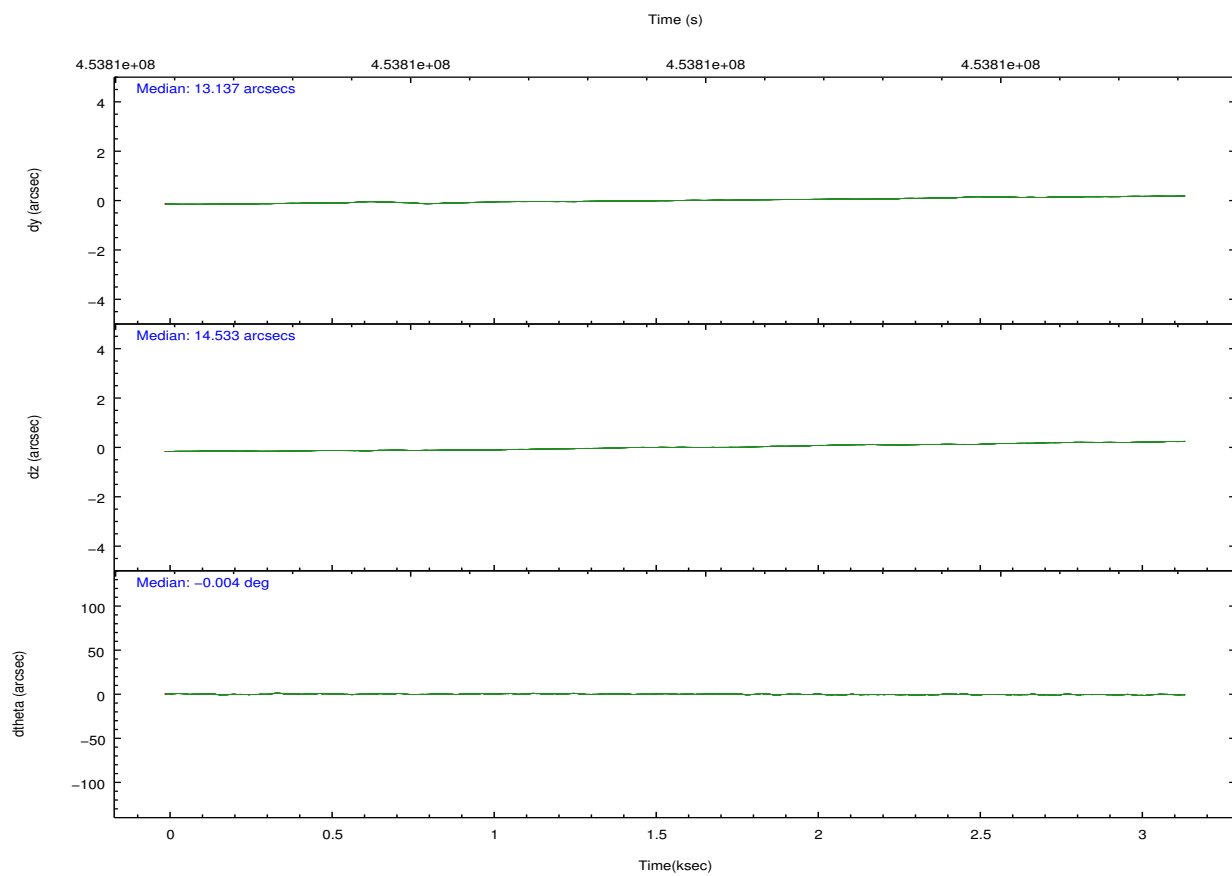
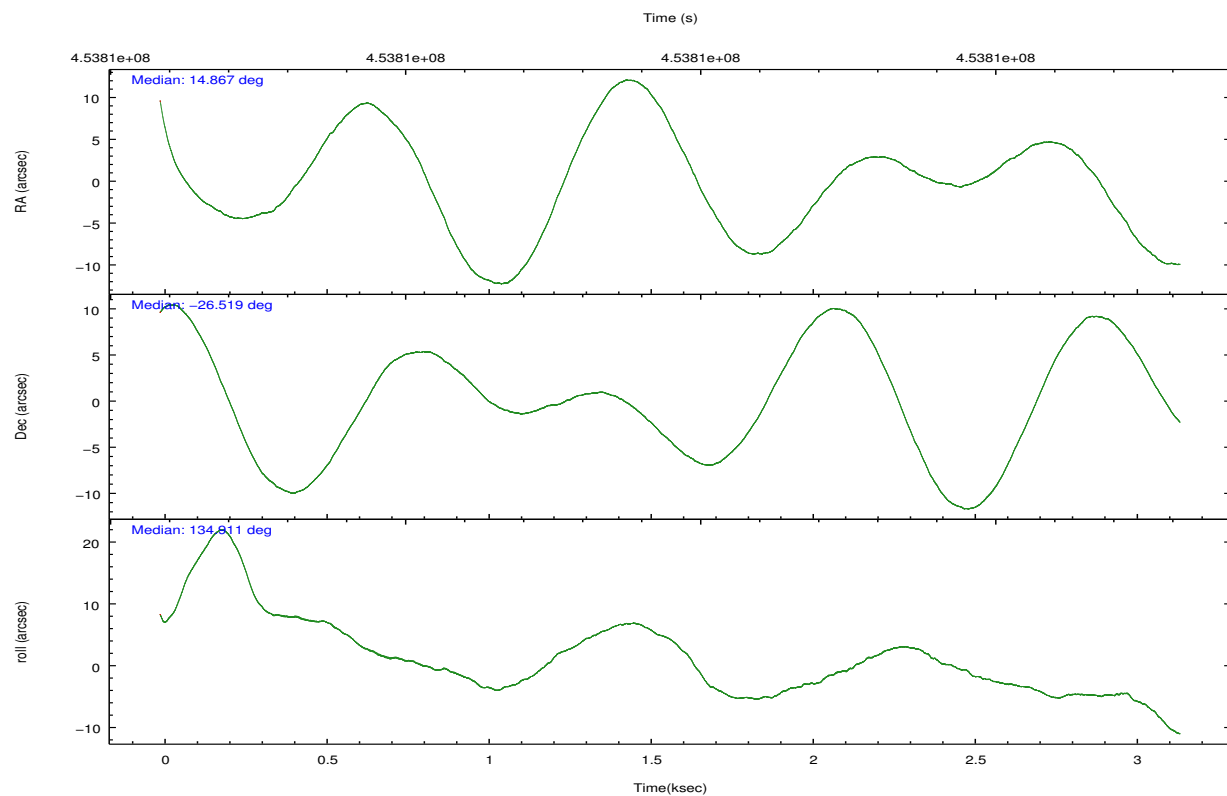
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-2367	ACIS-2367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	14.896727	14.86709895756456
[deg] Pointing Dec	-26.525456	-26.51862150493256
[deg] Pointing Roll	134.768965	134.9123330625245
[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)	453807461.184000	453806151.43397
Observation start date	2012-05-19T09:36:35	2012-05-19T09:15:51
[s] Observation end time (MET)	453810461.184000	453811417.88425
Observation end date	2012-05-19T10:26:35	2012-05-19T10:43:37
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	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.1

2.3 Aspect



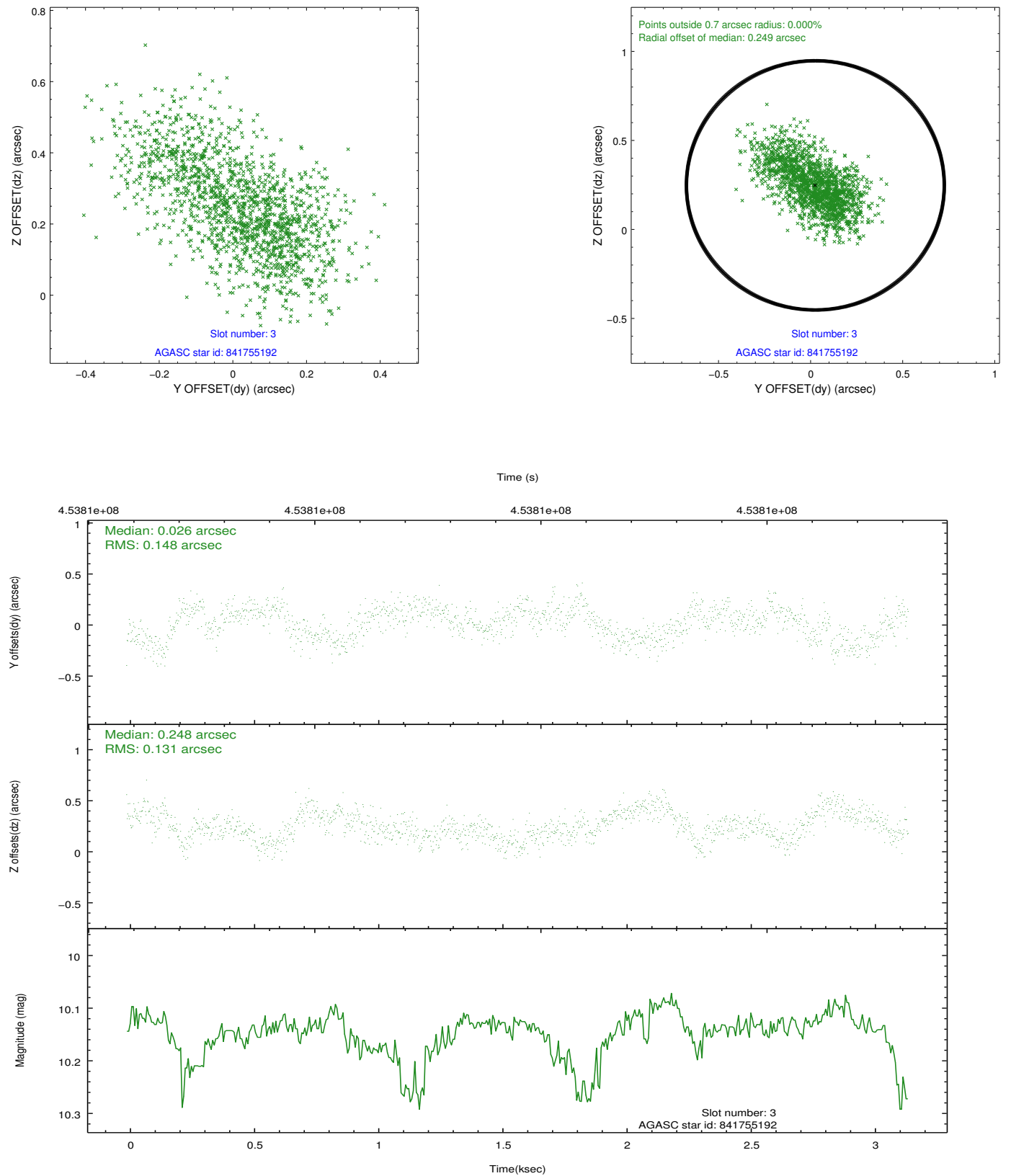


Slot Statistics

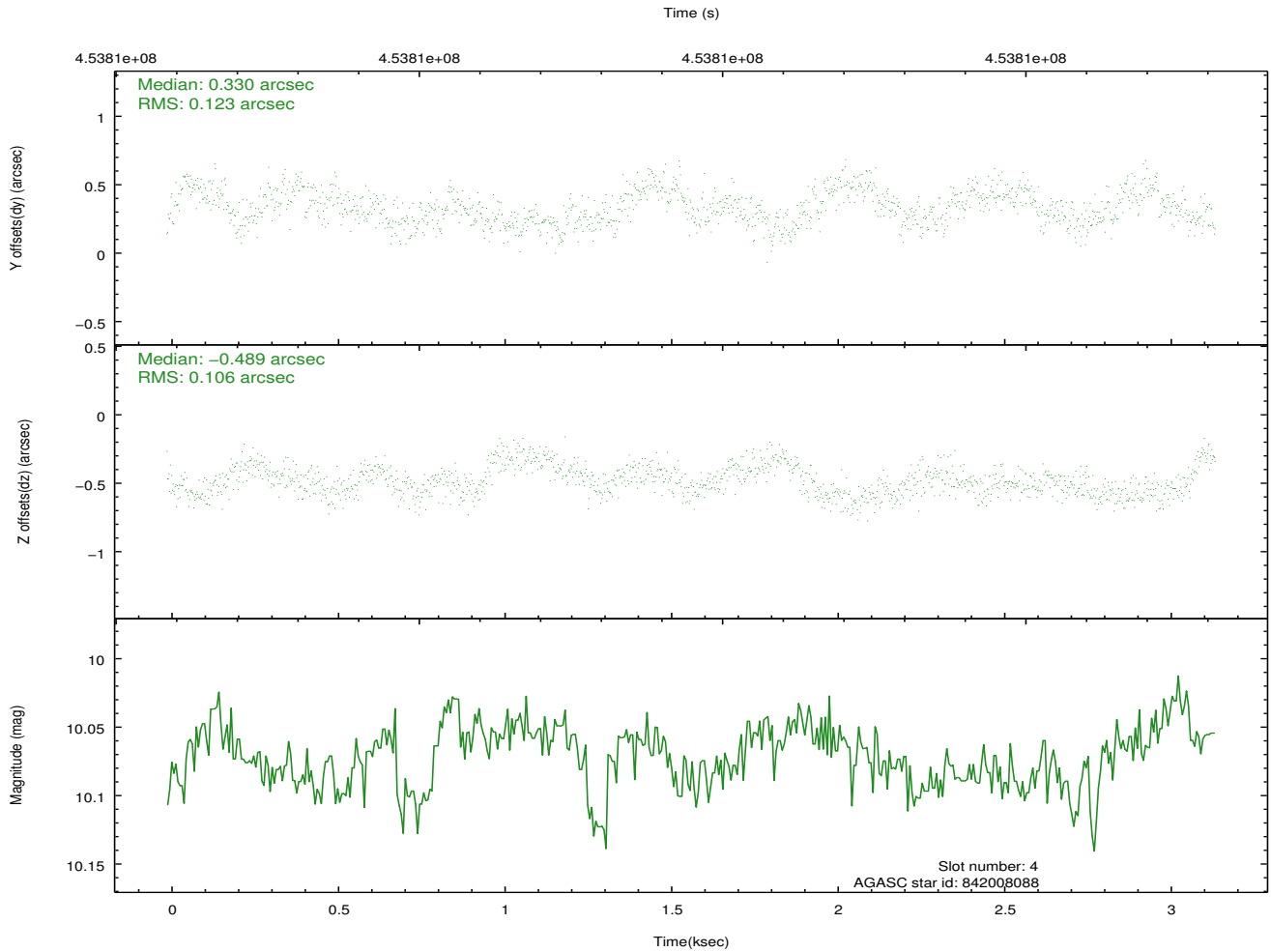
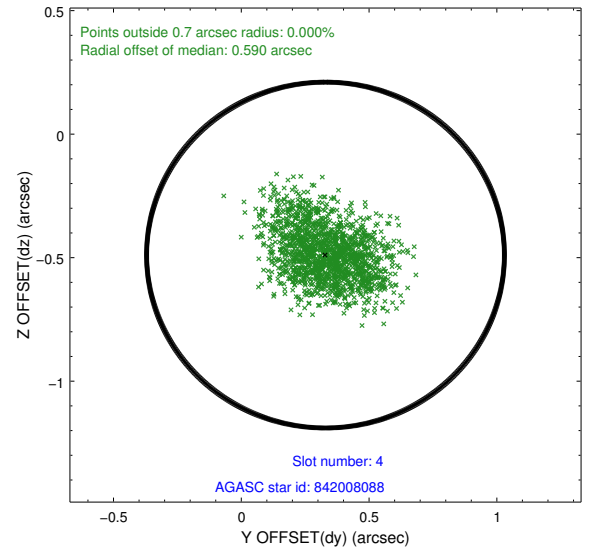
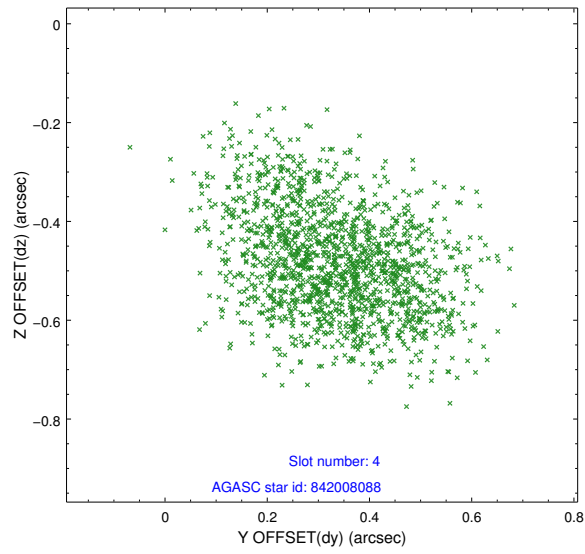
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.94	768	-0.063	-0.017	0.008	0.011	0.000000	0.000000	-766.11	-1735.93
1	FID	ACIS-S-4	7.03	768	0.197	0.035	0.010	0.018	0.000000	0.000000	2146.48	170.53
2	FID	ACIS-S-5	7.06	768	-0.166	-0.009	0.008	0.012	0.000000	0.000000	-1816.48	166.43
3	GUIDE	841755192	10.14	1533	0.026	0.248	0.214	0.346	14.764623	-25.945897	1782.10	-1164.84
4	GUIDE	842008088	10.07	1535	0.330	-0.489	0.175	0.277	15.164558	-27.123912	-2133.40	908.48
5	GUIDE	842022952	10.11	1533	0.351	-0.359	0.258	0.410	14.755396	-26.527644	313.56	329.79
6	GUIDE	842023672	10.09	1534	-0.560	0.731	0.194	0.312	15.154404	-26.637907	-872.51	-301.53
7	GUIDE	842022320	8.81	1532	-0.151	-0.156	0.137	0.218	14.026788	-26.347023	2424.56	1546.25

2.4 Star Slots

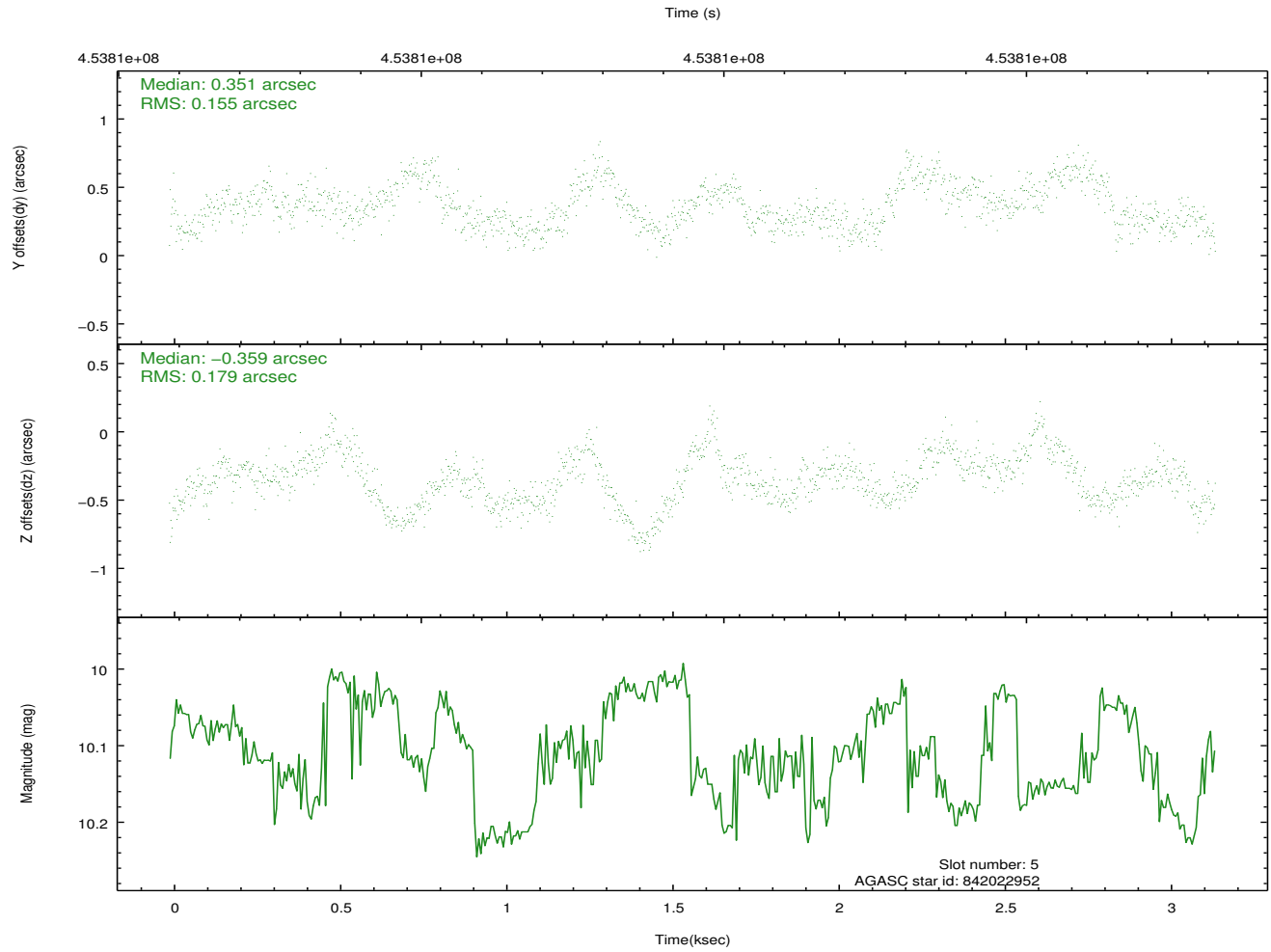
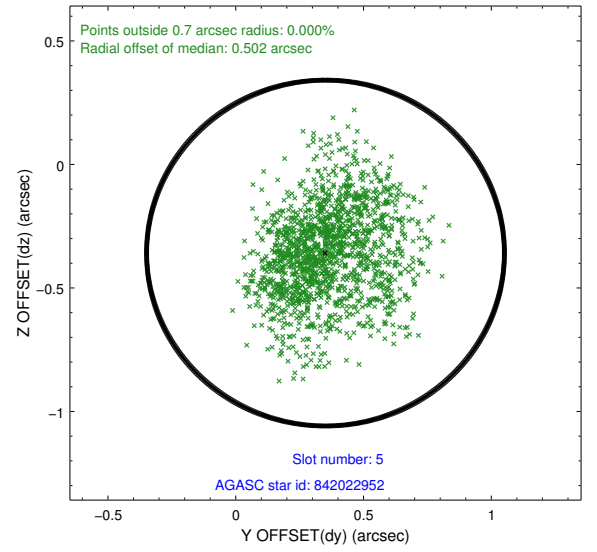
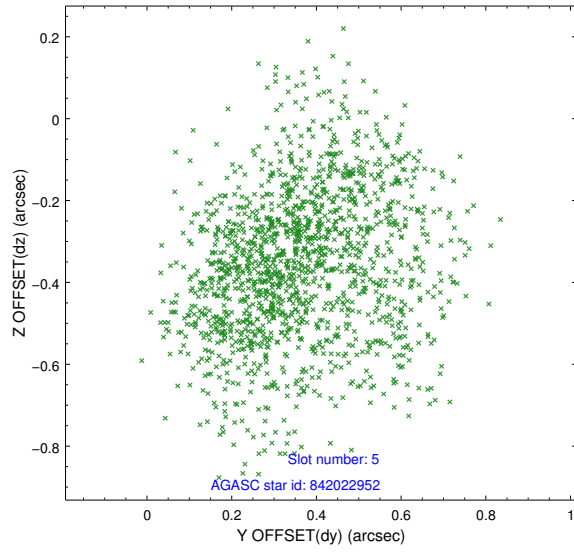
2.4.1 Slot 3



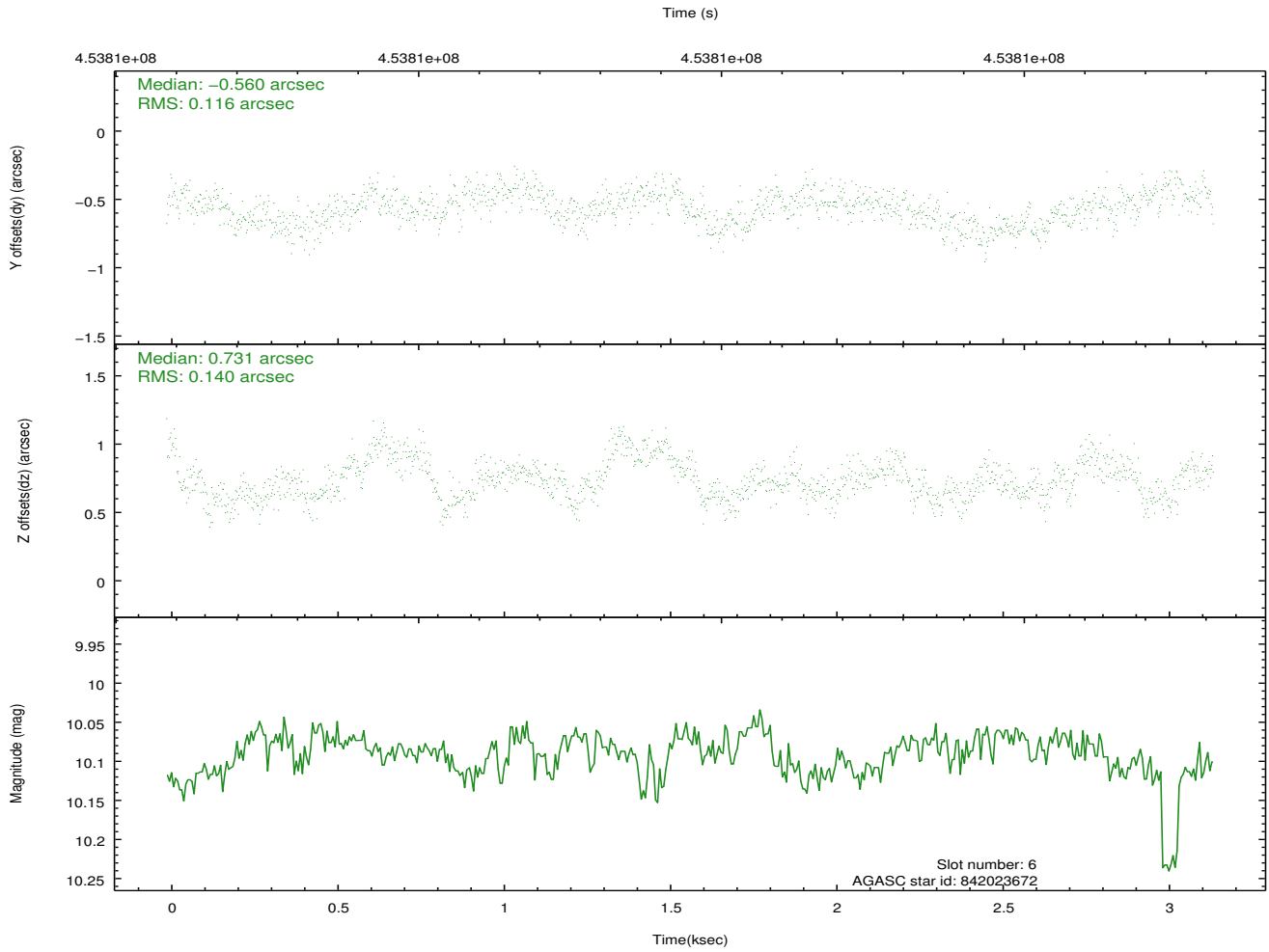
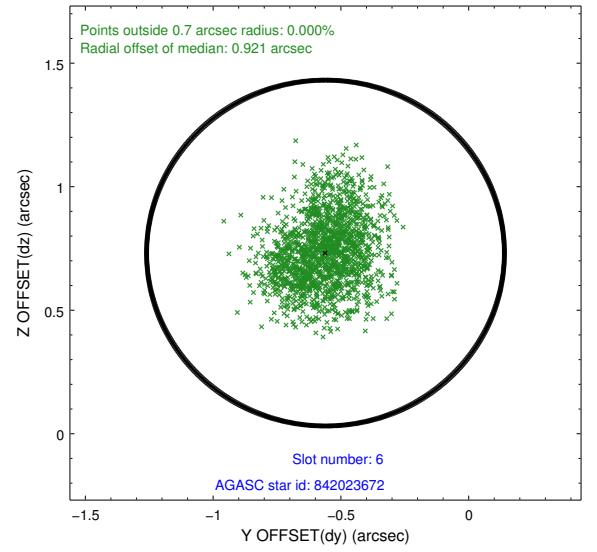
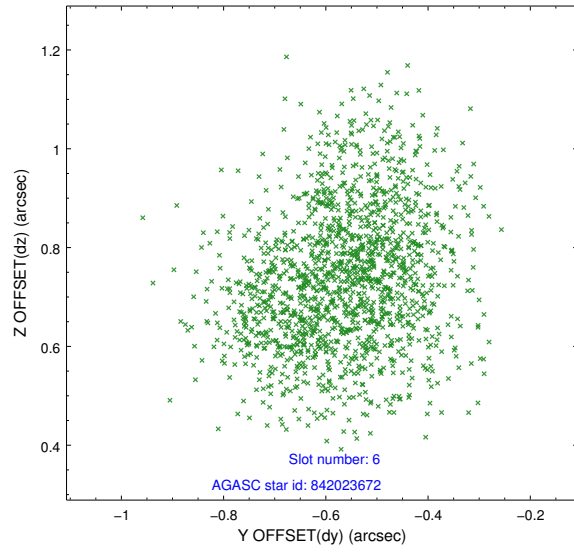
2.4.2 Slot 4



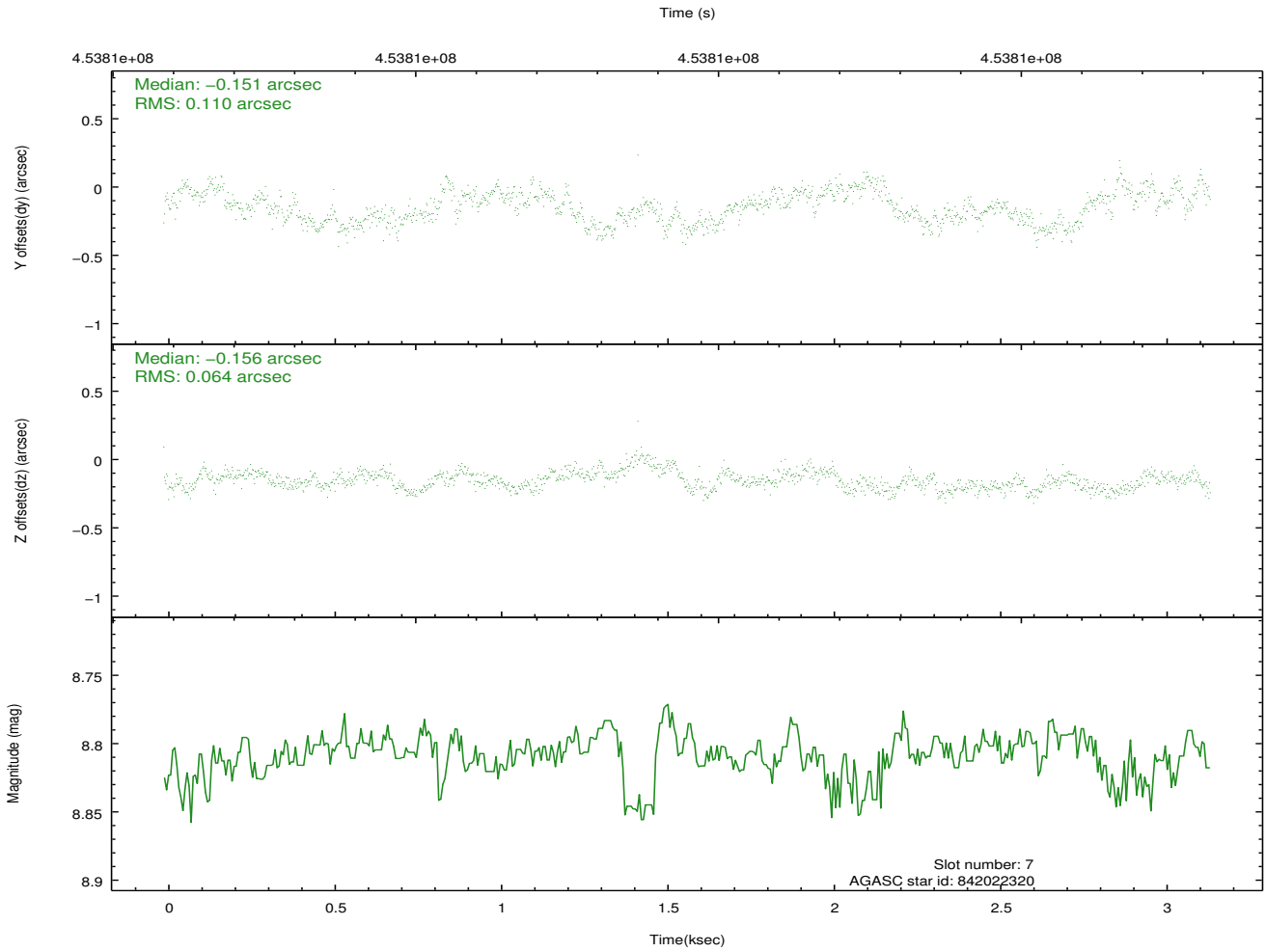
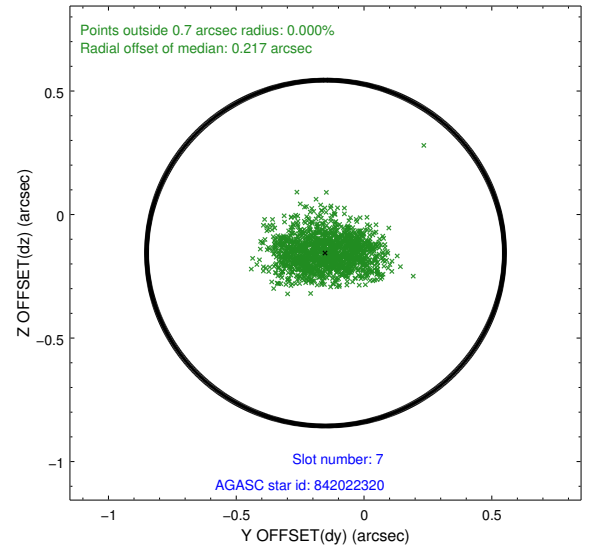
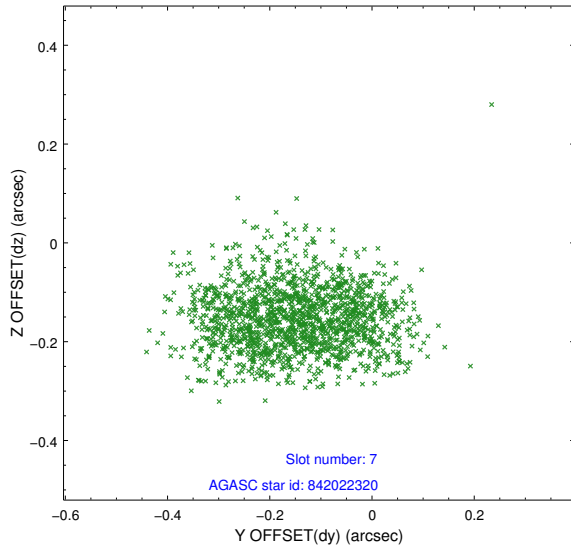
2.4.3 Slot 5



2.4.4 Slot 6

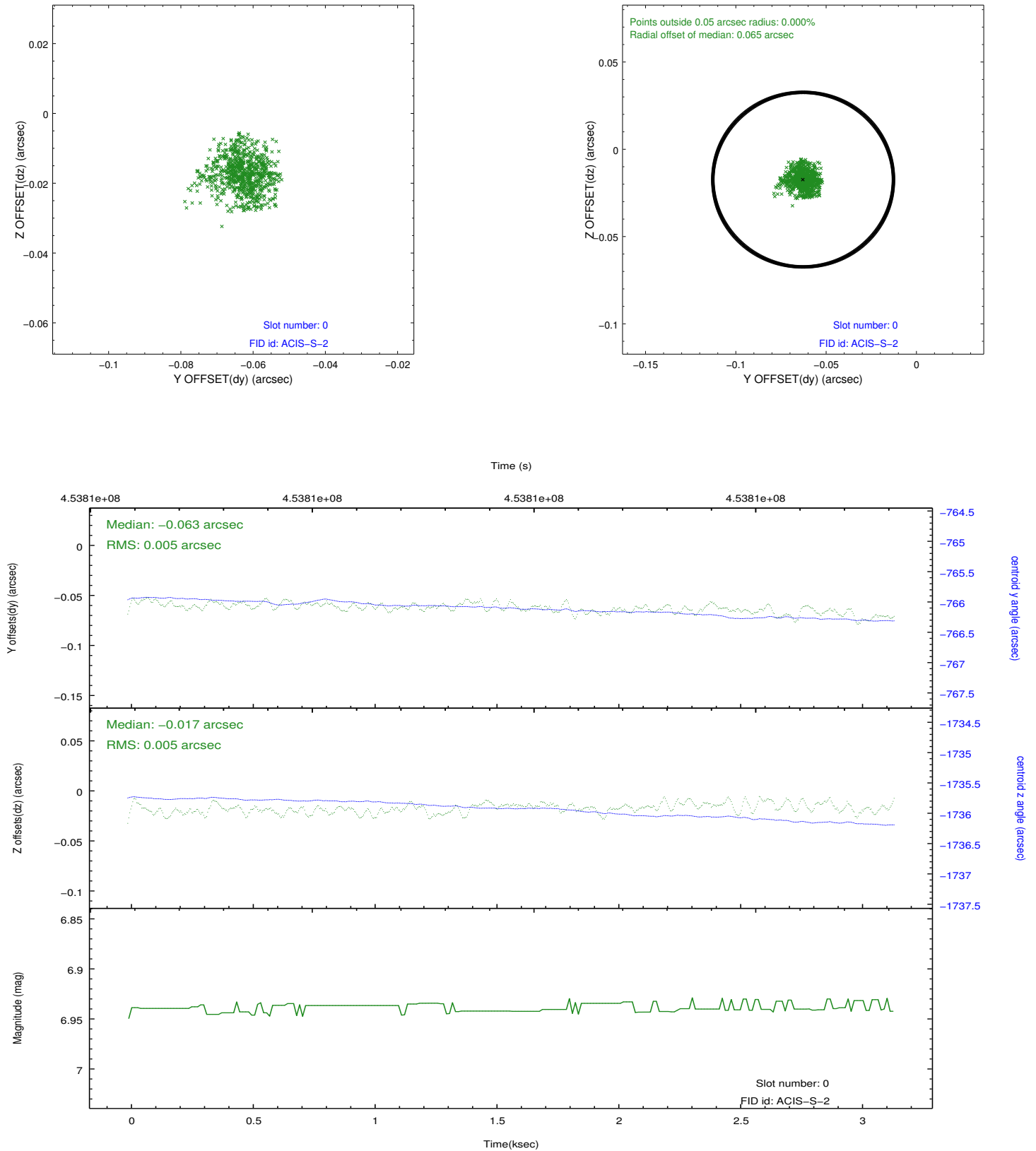


2.4.5 Slot 7

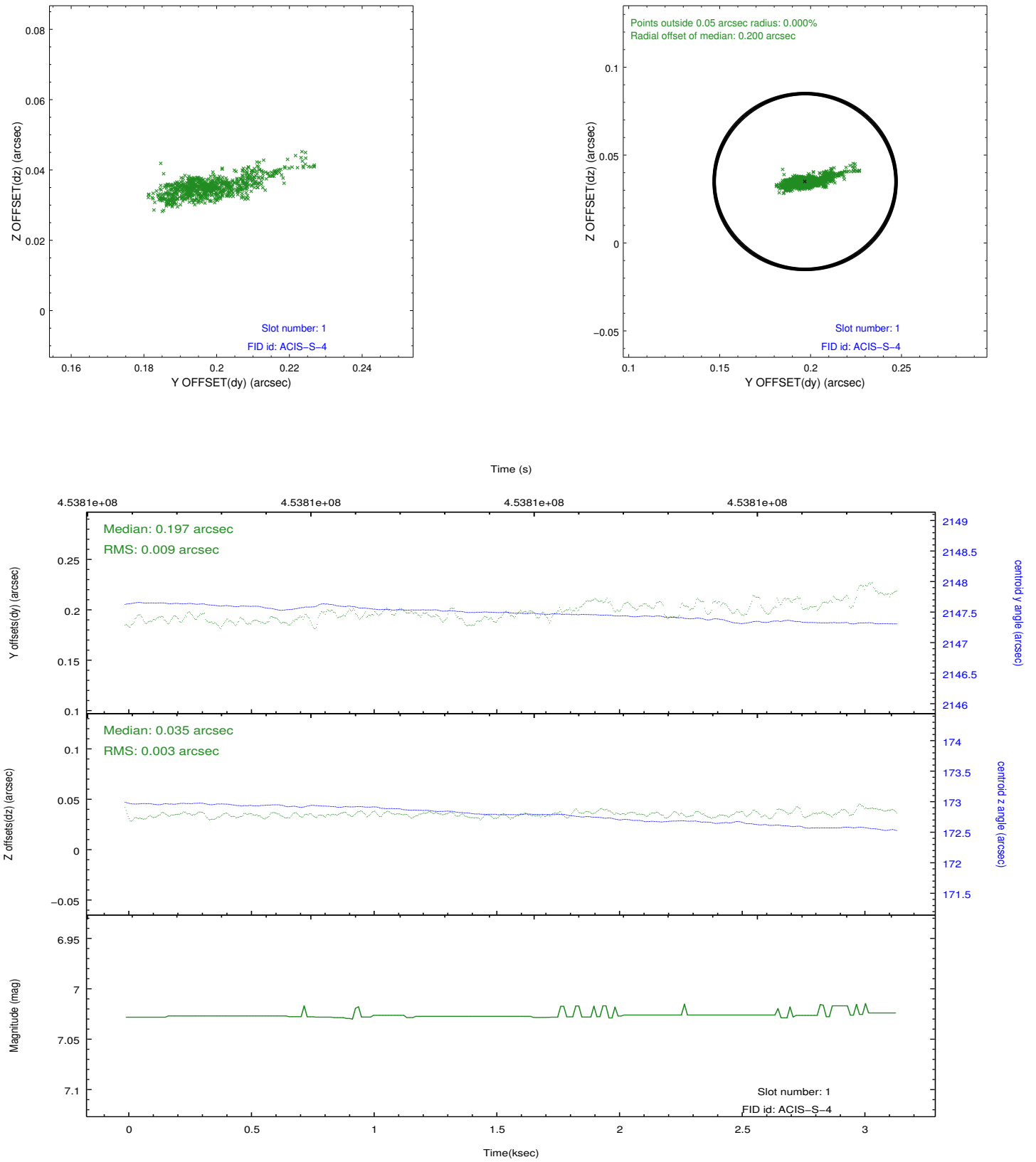


2.5 FID Slots

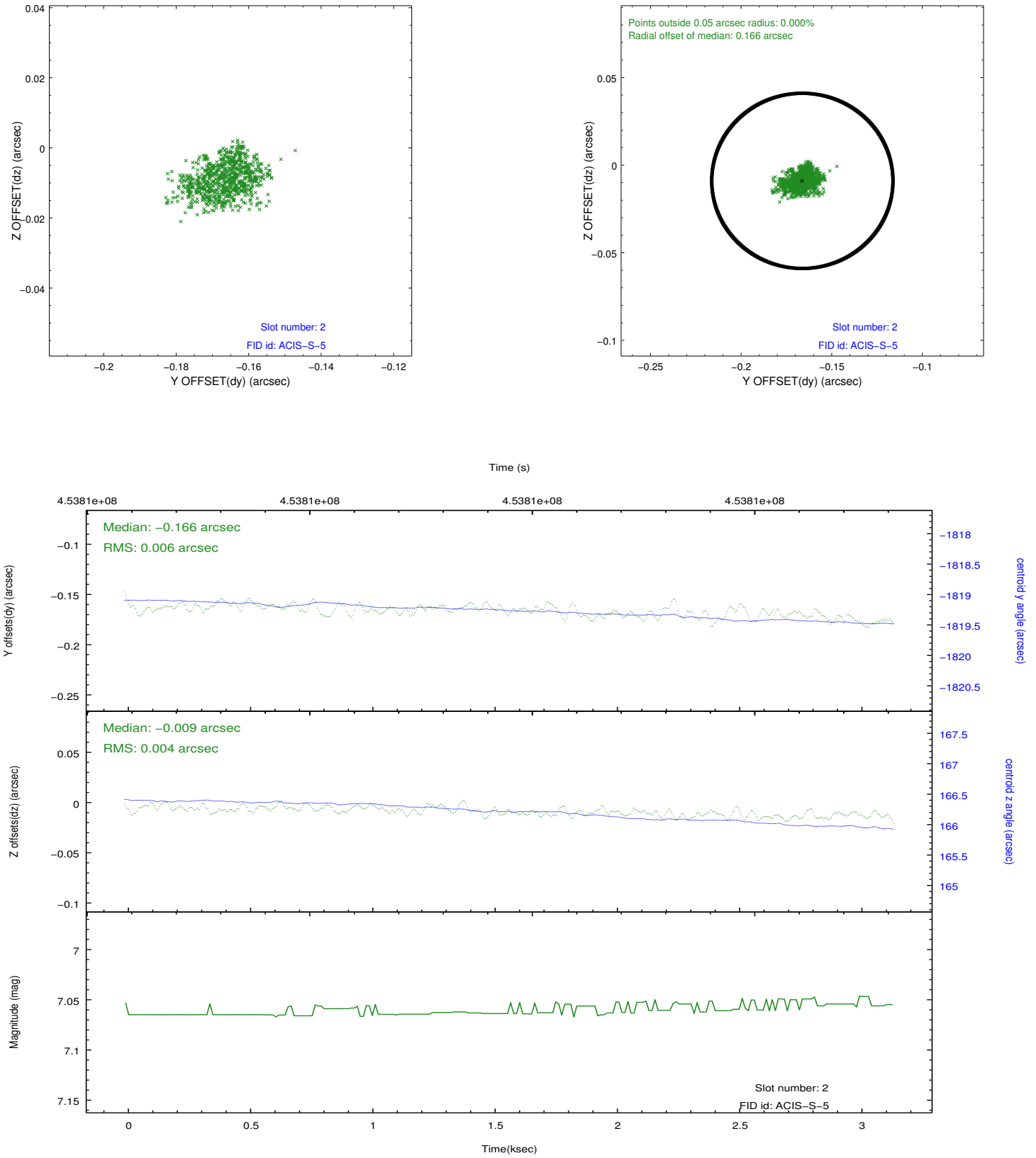
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.05.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.0752000236511

A.2 Comments