

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9868 - L2 Version 2
Chandra X-Ray Center

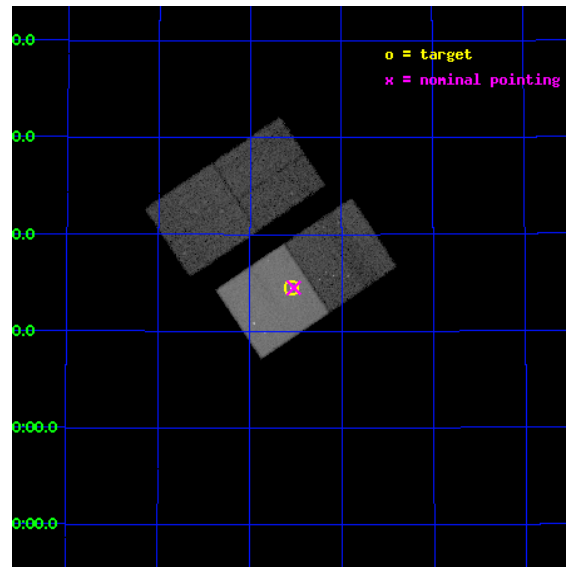
L2 Processing Date : May 16 2012

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

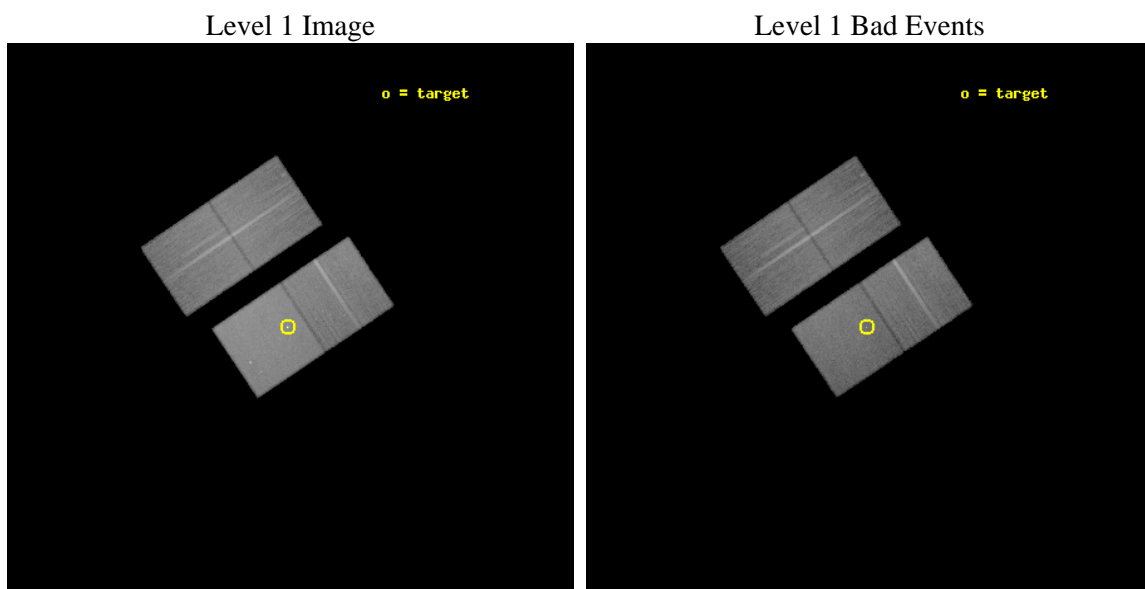
seq_num	300228	Sequence number
obs_id	9868	Observation id
title	X-ray Jets Activity in the Symbiotic System CH Cyg	Proposal title
observer	DR. MARGARITA KAROVSKA	Principal investigator
object	CH Cyg	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	291.137783	Observer's specified target RA [deg]
dec_targ	50.241425	Observer's specified target Dec [deg]
ra_nom	291.13025033879	Nominal RA [deg]
dec_nom	50.241607691492	Nominal Dec [deg]
roll_nom	146.16241750024	Nominal Roll [deg]
revision	2	Processing version of data
ontime	24328.800187111	Sum of GTIs [s]
livetime	24010.926502064	Livetime [s]
ontime2	24328.800187111	Sum of GTIs [s]
ontime3	24322.518246472	Sum of GTIs [s]
ontime6	24328.800187111	Sum of GTIs [s]
ontime7	24328.800187111	Sum of GTIs [s]
l2events	214306	Number of level 2 events



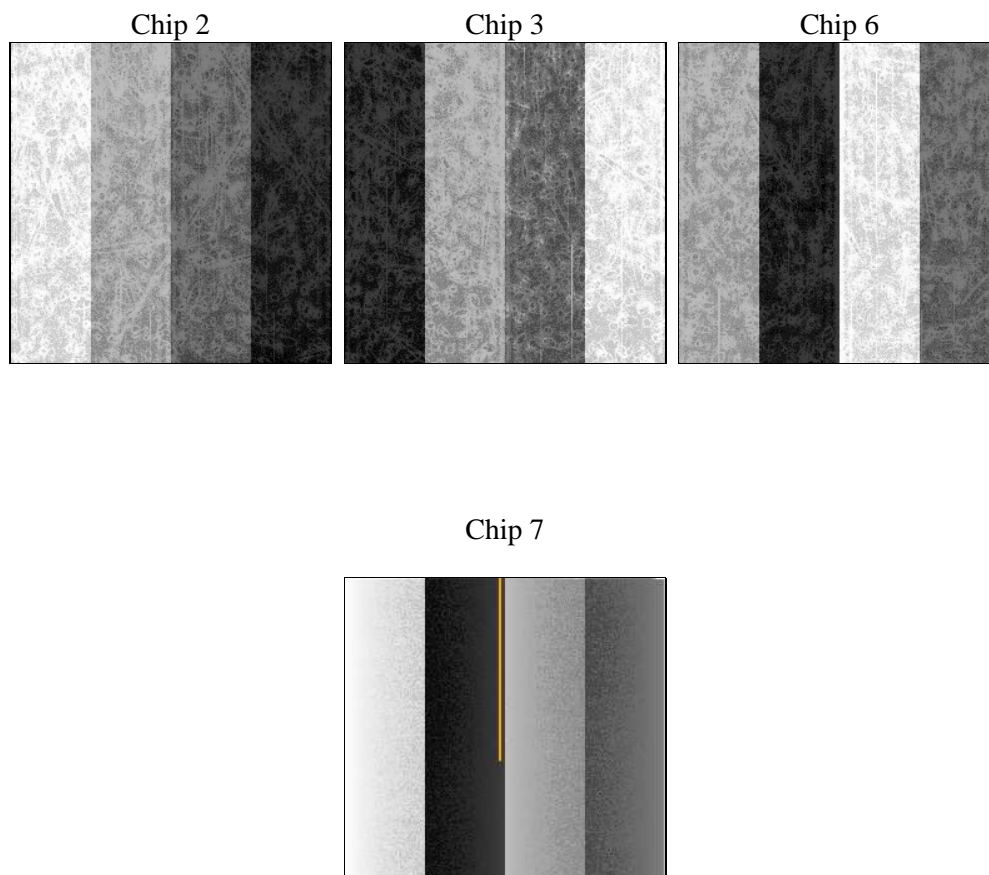
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	24145.730000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	24328.800187111	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	24328.800187111	Sum of GTIs [s]
date	2012-05-16T04:40:24	Date and time of file creation	ontime3	24322.518246472	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	24328.800187111	Sum of GTIs [s]
			ontime7	24328.800187111	Sum of GTIs [s]
			l1events	1022632	Number of level 1 events

2.1.4 Events

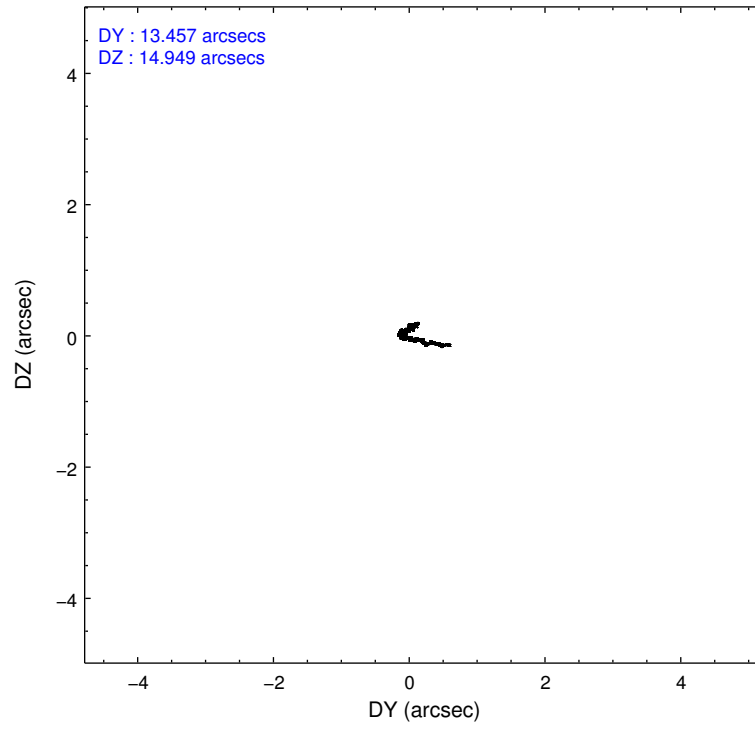
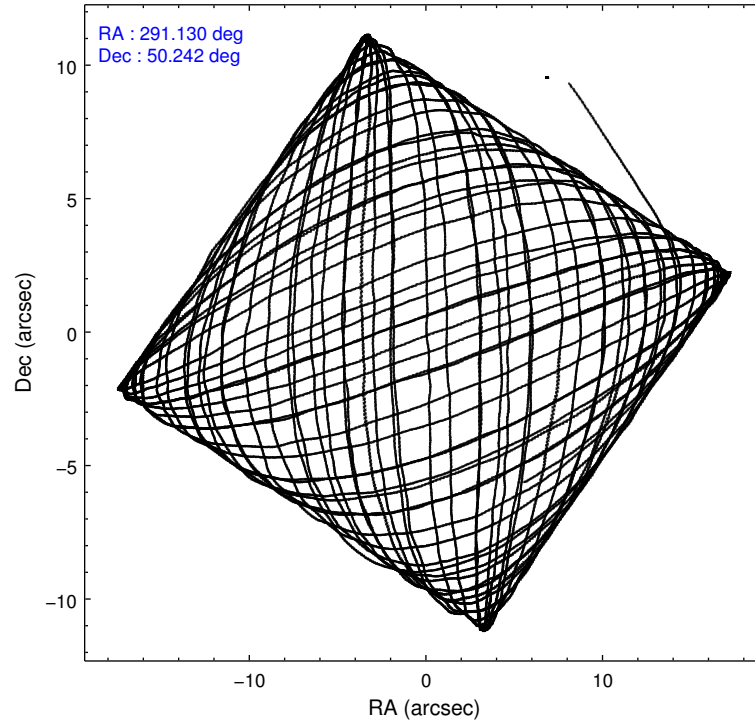
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	228662	225128	236251	332591
rejected events	200431	197269	207129	190256
rejected %	87%	87%	87%	57%

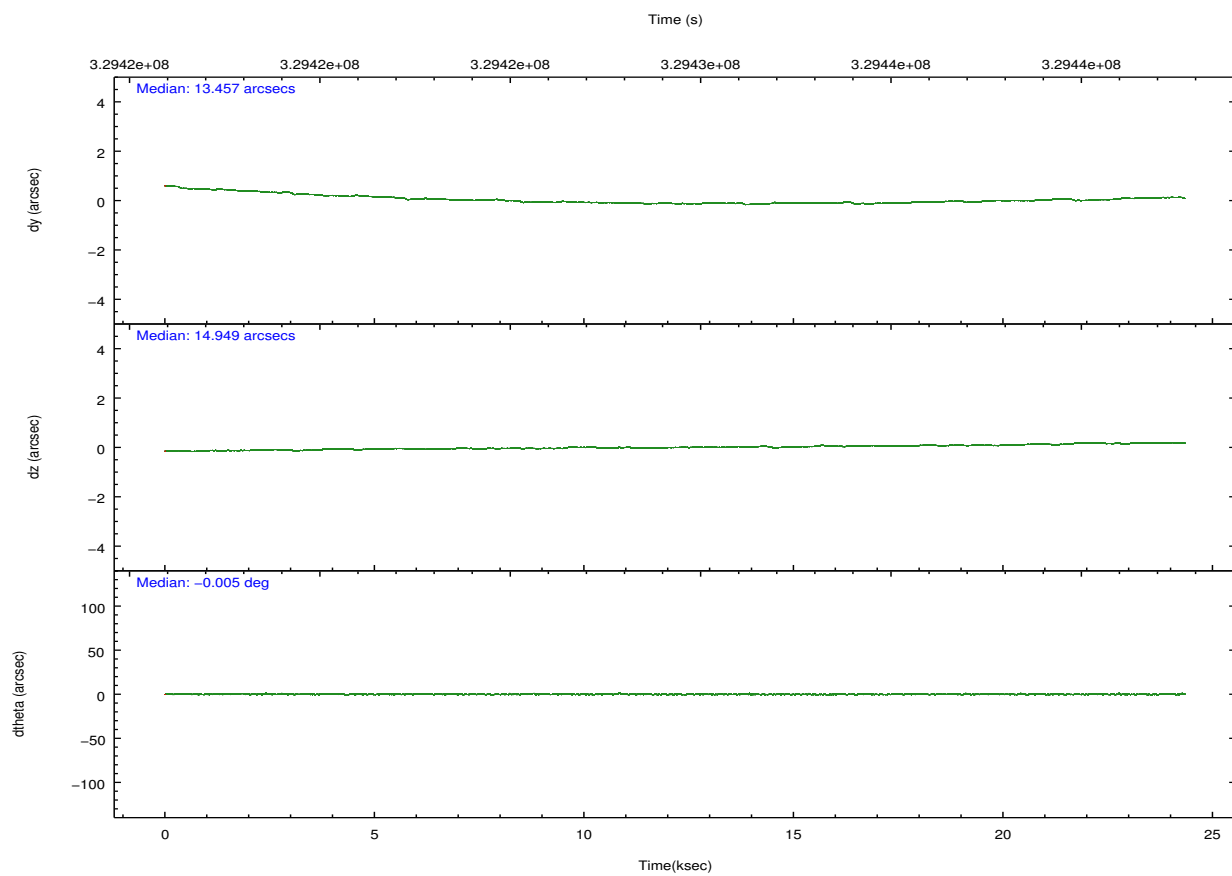
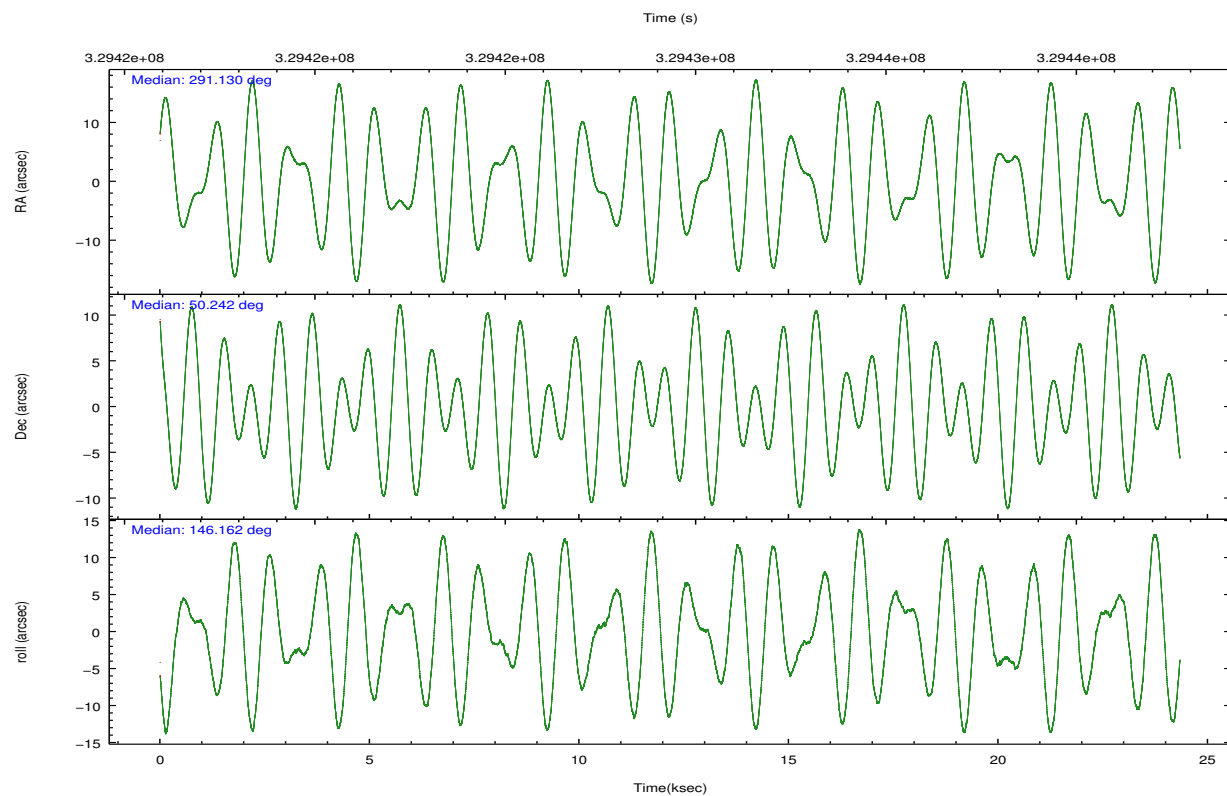
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	12544	12015	11430	14338
	5%	5%	4%	4%
grade 1 events	174	158	131	437
	0%	0%	0%	0%
grade 2 events	5964	5635	6403	29312
	2%	2%	2%	8%
grade 3 events	2562	2674	2694	12181
	1%	1%	1%	3%
grade 4 events	2520	2579	2663	12369
	1%	1%	1%	3%
grade 5 events	9259	11024	11214	31180
	4%	4%	4%	9%
grade 6 events	4663	4978	5951	74245
	2%	2%	2%	22%
grade 7 events	190976	186065	195765	158529
	83%	82%	82%	47%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-2367	ACIS-2367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	291.172896	291.1302503387894	Subarray requested	NONE	NONE
[deg] Pointing Dec	50.240139	50.24160769149221	Alternating exposures requested	N	N
[deg] Pointing Roll	145.973003	146.1624175002393	[s] Primary exposure time	0.000000	3.1
[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)	329417349.184000	329416404.26557			
Observation start date	2008-06-09T16:48:04	2008-06-09T16:33:24			
[s] Observation end time (MET)	329441495.184000	329441719.2043			
Observation end date	2008-06-09T23:30:30	2008-06-09T23:35:19			
Read mode	TIMED	TIMED			

2.3 Aspect



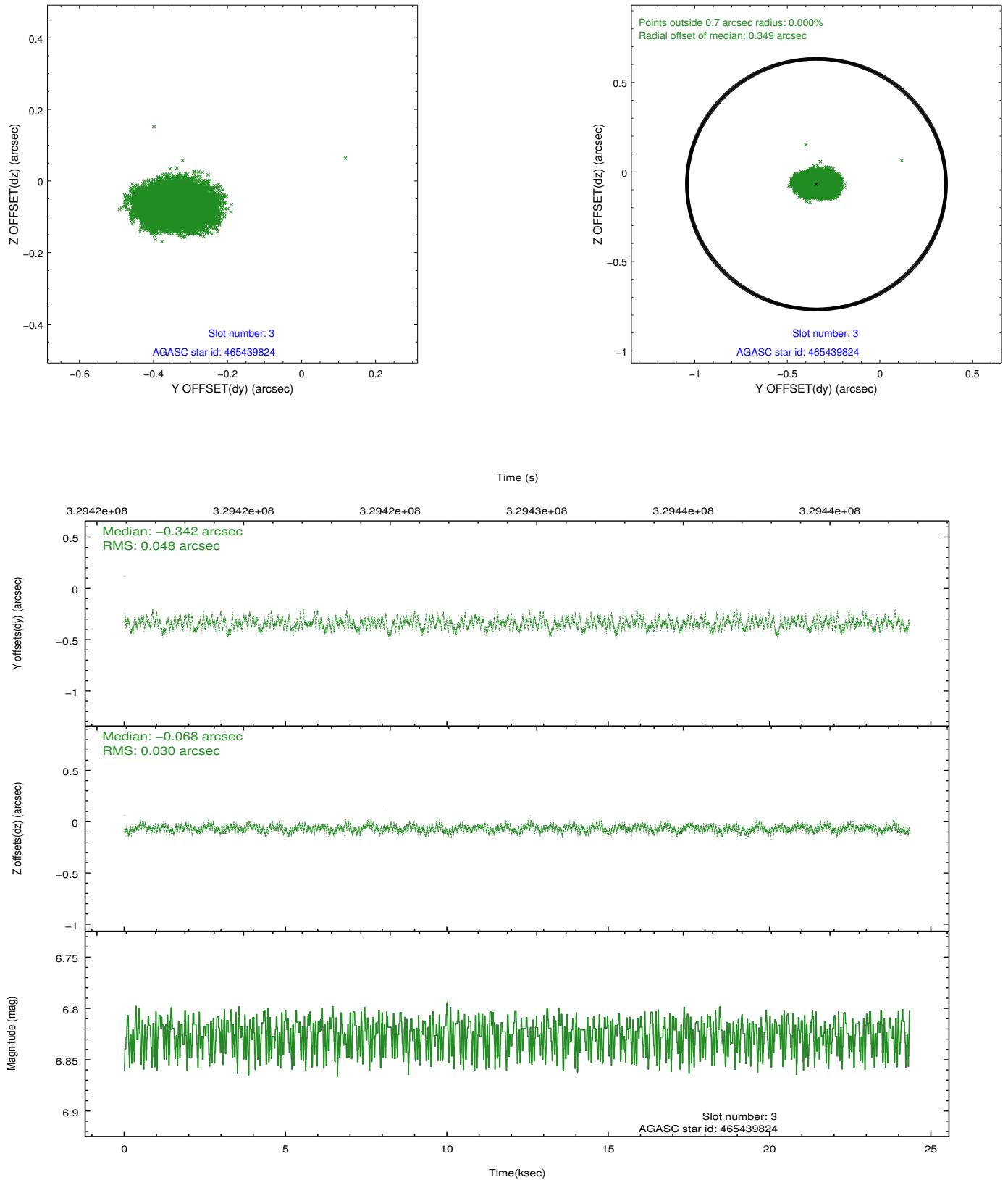


Slot Statistics

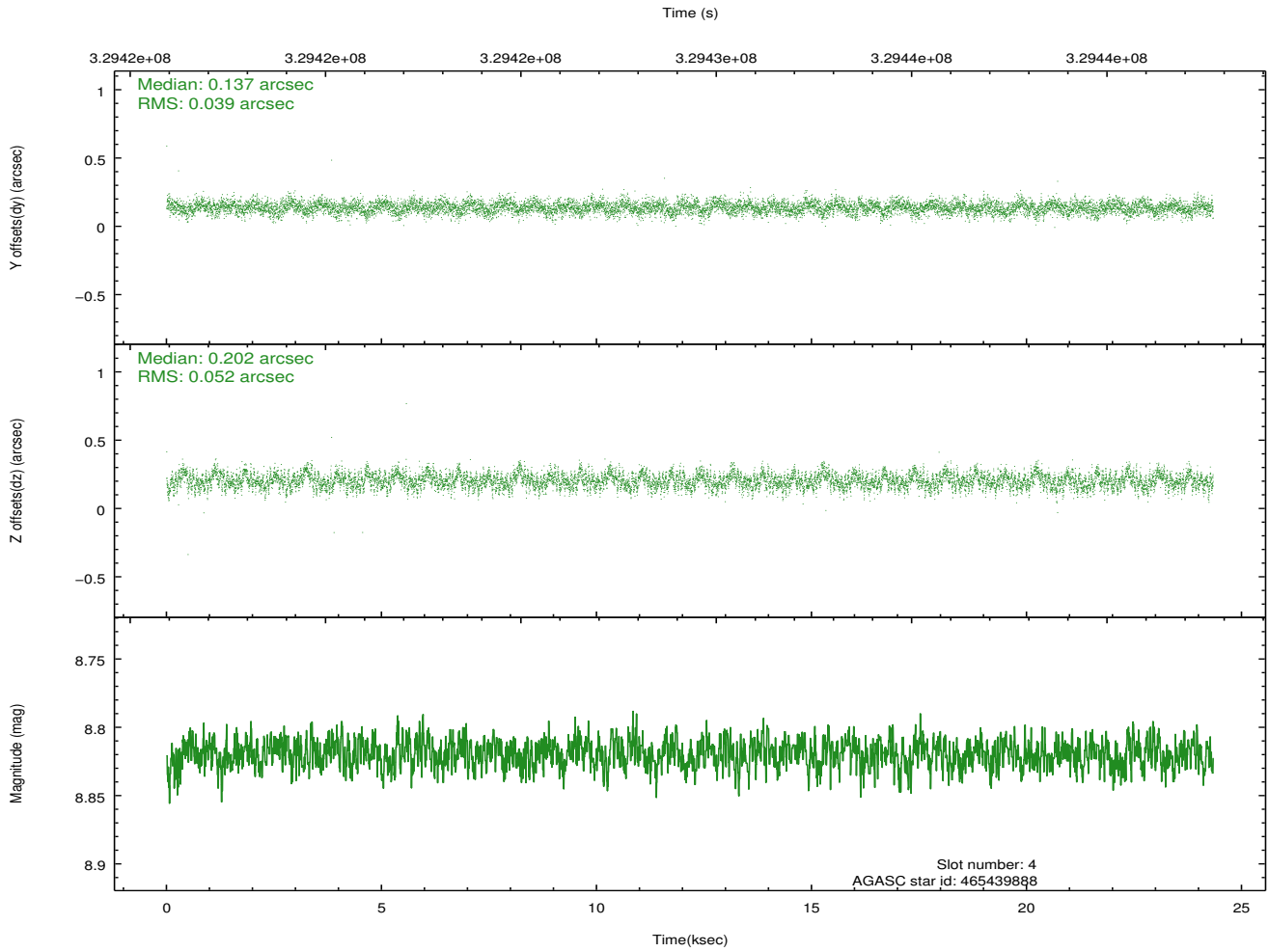
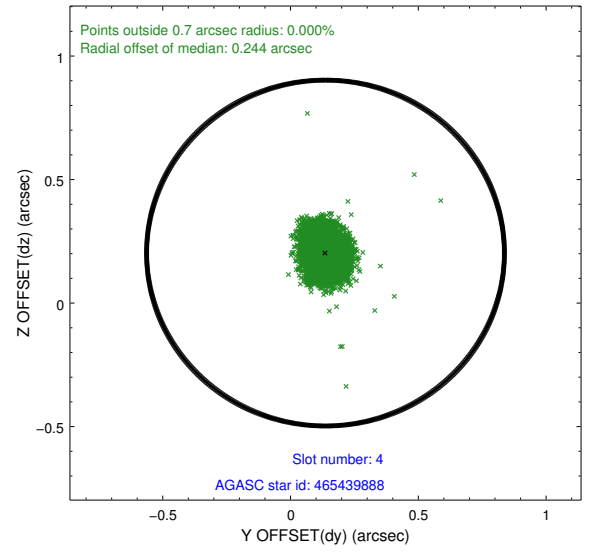
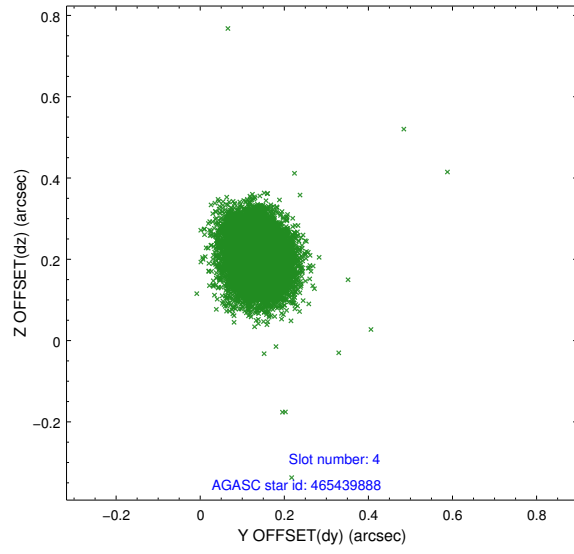
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	5935	-0.065	-0.023	0.008	0.014	0.000000	0.000000	-766.47	-1736.37
1	FID	ACIS-S-4	6.98	5935	0.181	0.037	0.011	0.019	0.000000	0.000000	2146.97	172.08
2	FID	ACIS-S-5	7.01	5936	-0.147	-0.006	0.008	0.014	0.000000	0.000000	-1819.26	165.80
3	GUIDE	465439824	6.82	11872	-0.342	-0.068	0.060	0.099	290.131117	50.340225	2194.68	1026.79
4	GUIDE	465439888	8.82	11868	0.137	0.202	0.068	0.111	291.753626	50.234695	-1115.62	-735.66
5	GUIDE	465447224	8.27	11864	0.181	0.137	0.059	0.097	291.830226	50.402668	-918.50	-1334.00
6	GUIDE	465456704	7.01	11870	0.106	-0.231	0.109	0.176	290.849115	50.271291	681.45	322.50
7	BAD	465456712	5.23	3957	-0.258	-0.124	0.060	0.089	291.137777	50.241433	69.87	41.49

2.4 Star Slots

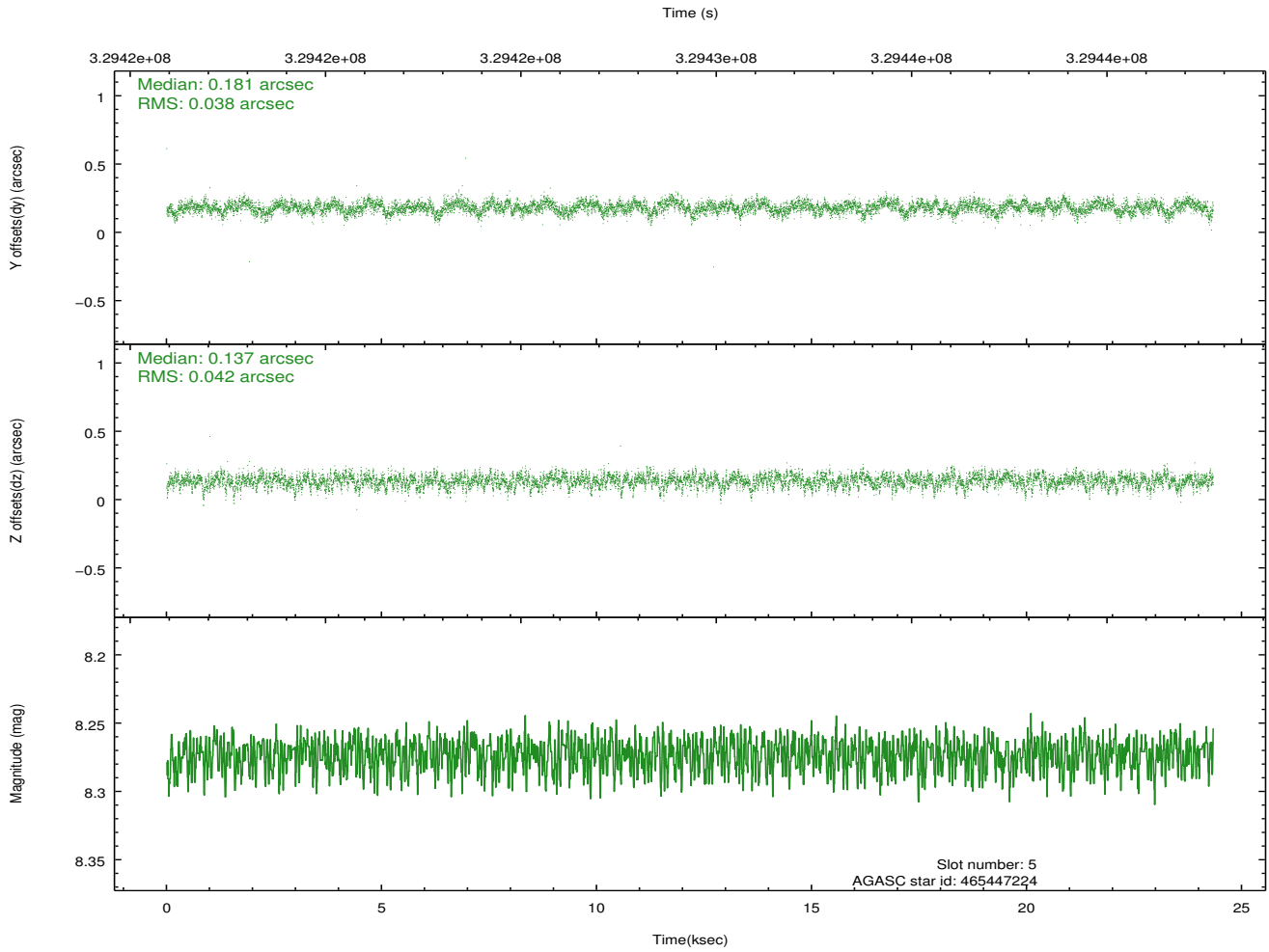
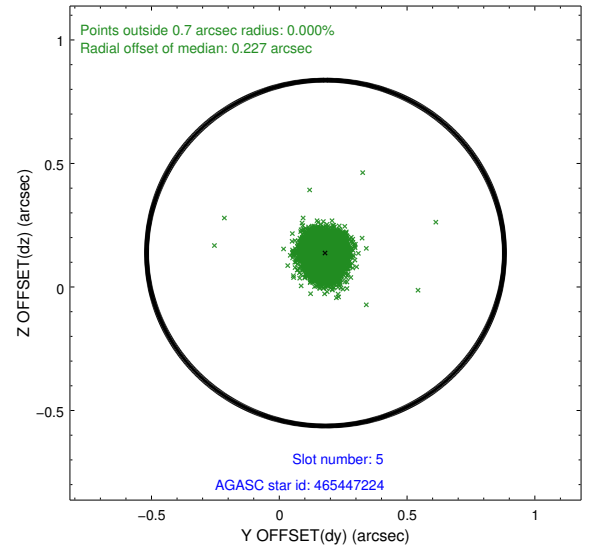
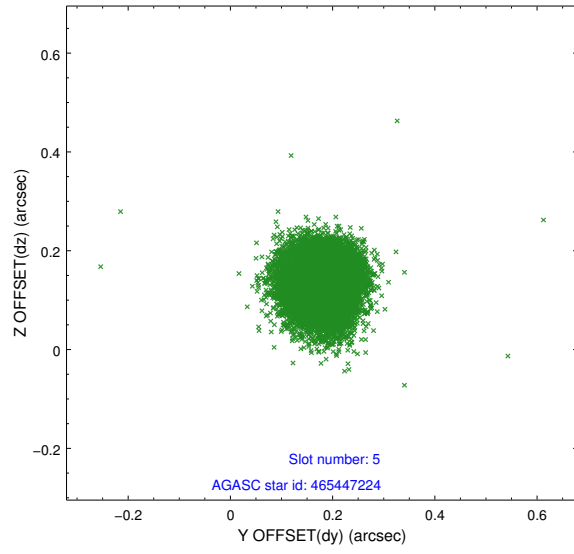
2.4.1 Slot 3



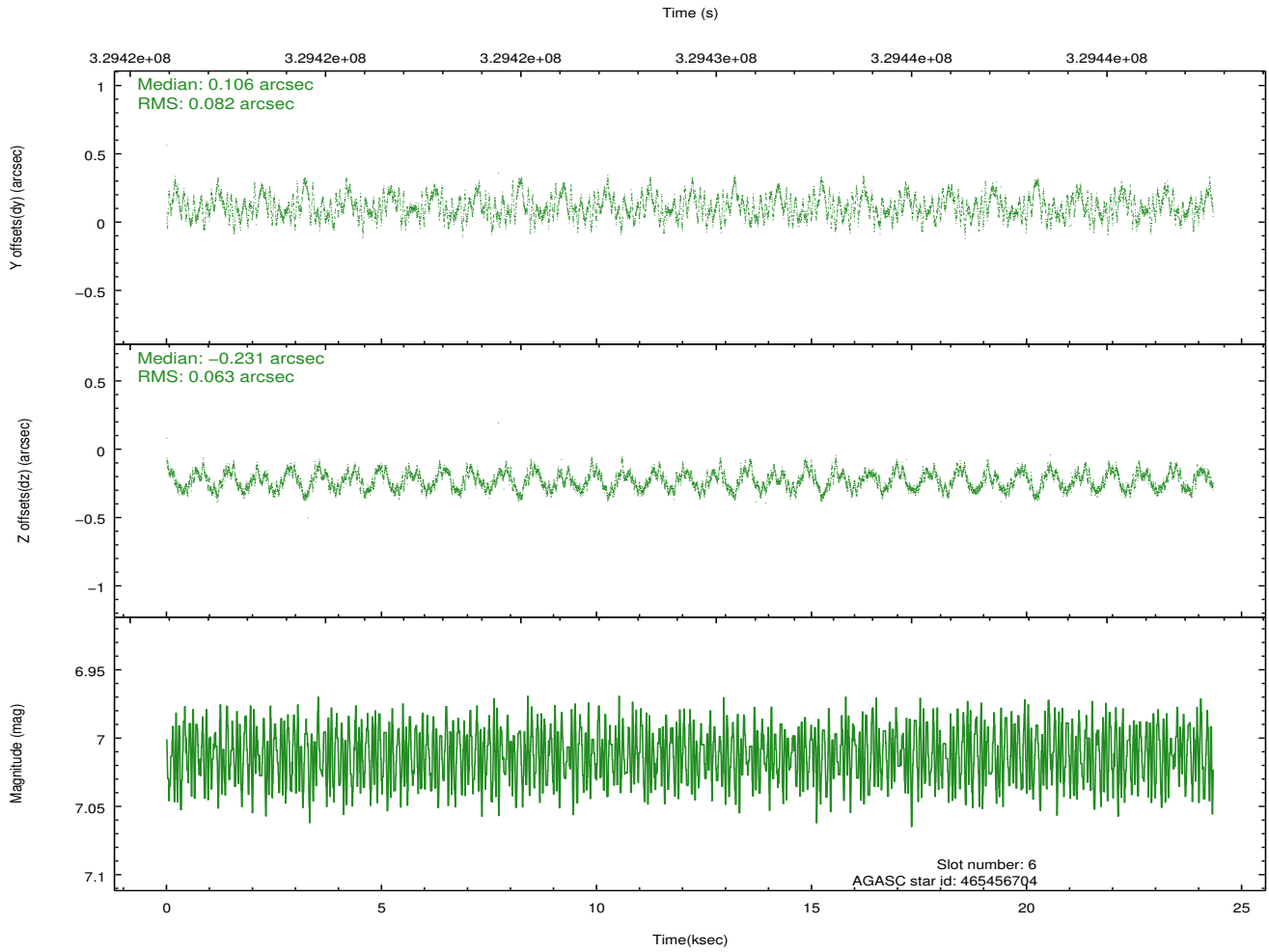
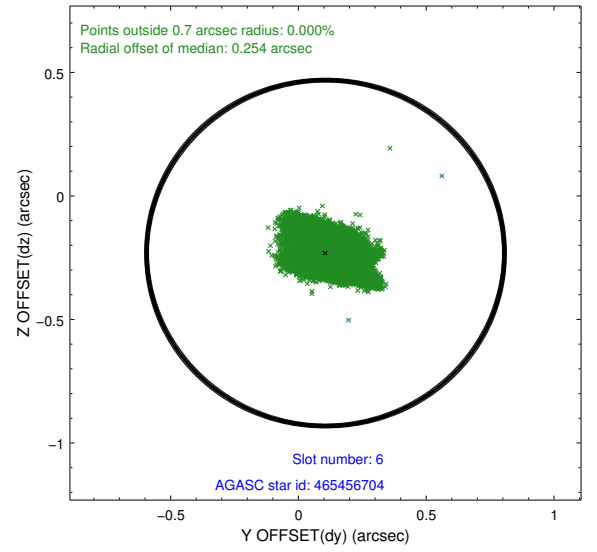
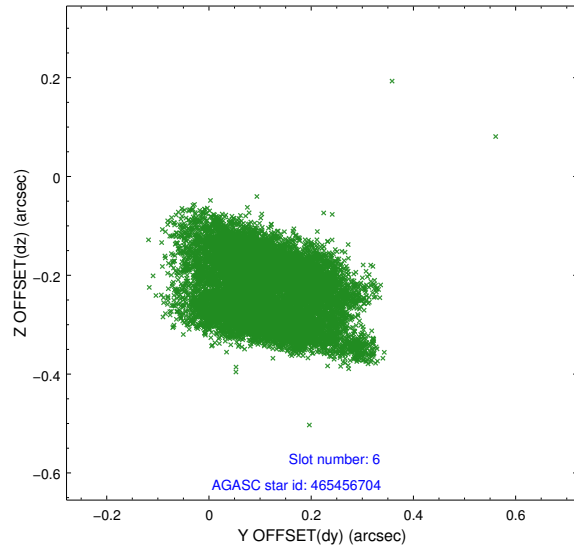
2.4.2 Slot 4



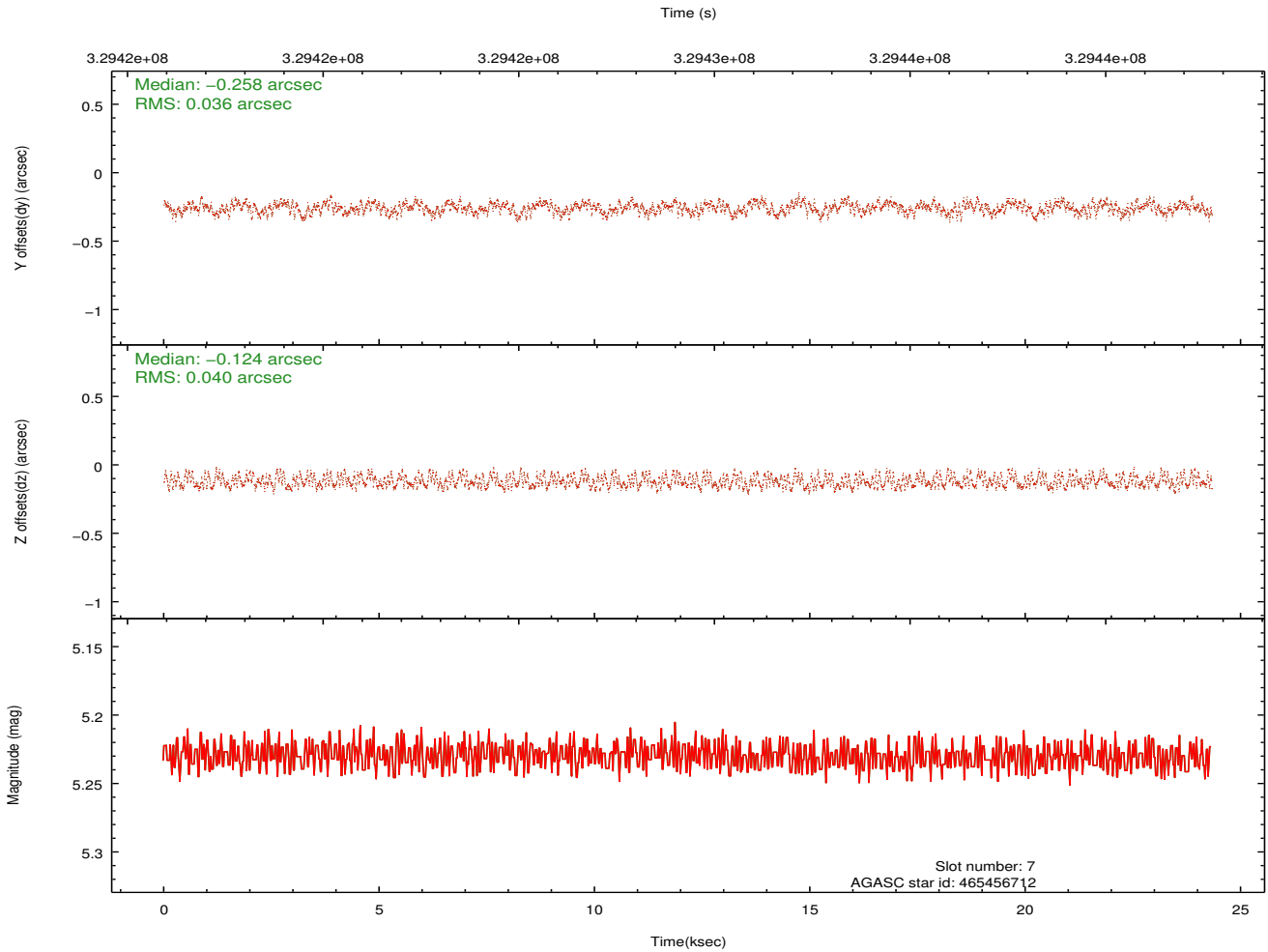
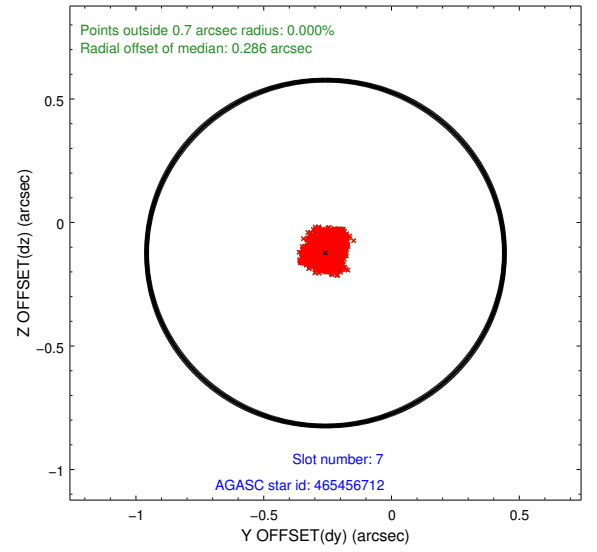
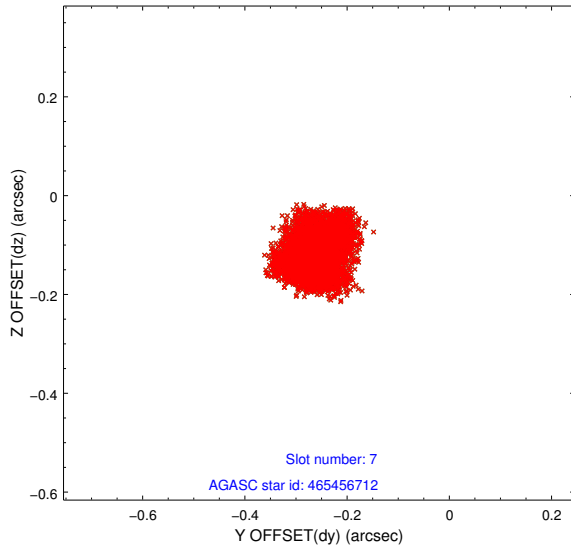
2.4.3 Slot 5



2.4.4 Slot 6

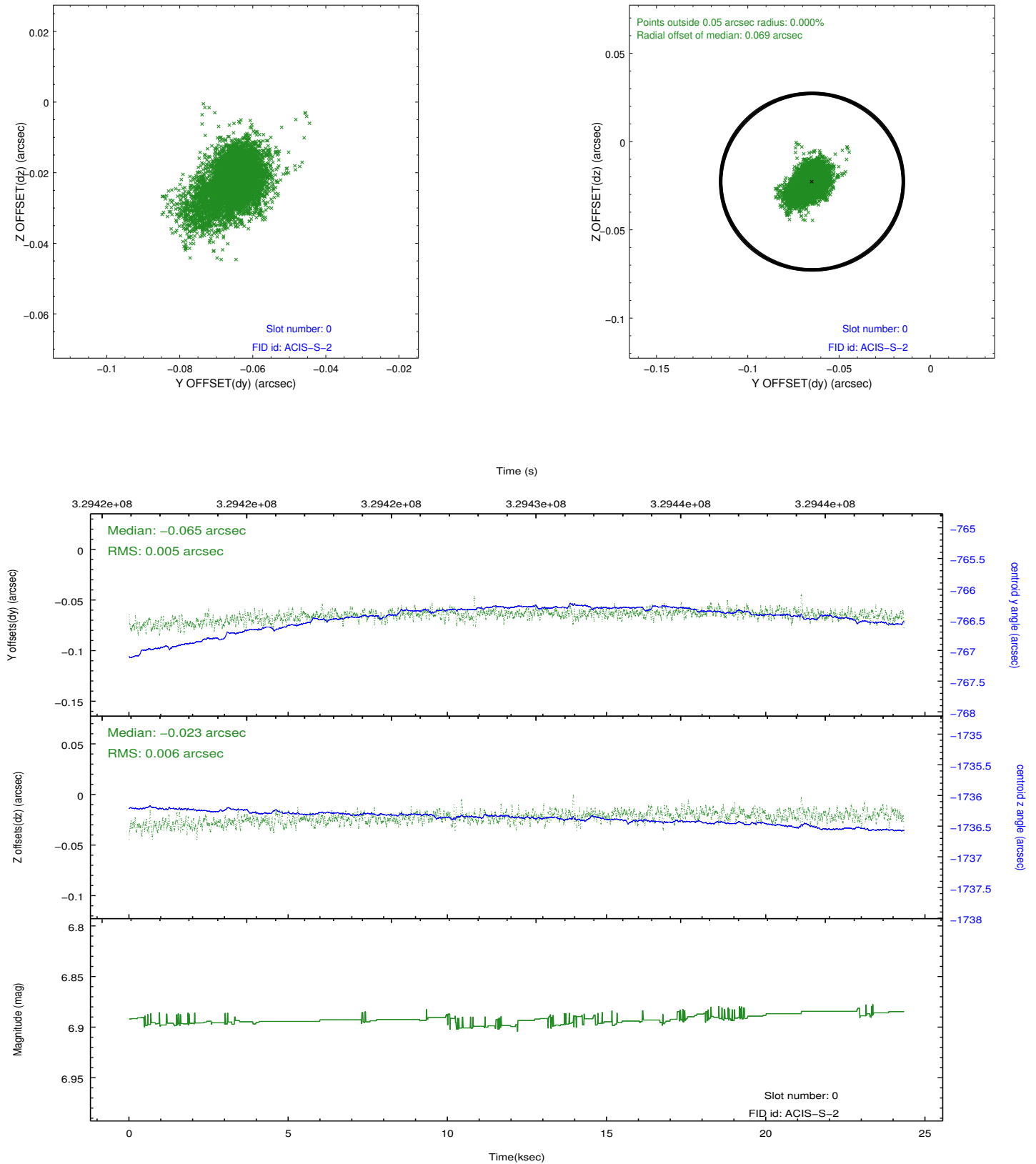


2.4.5 Slot 7

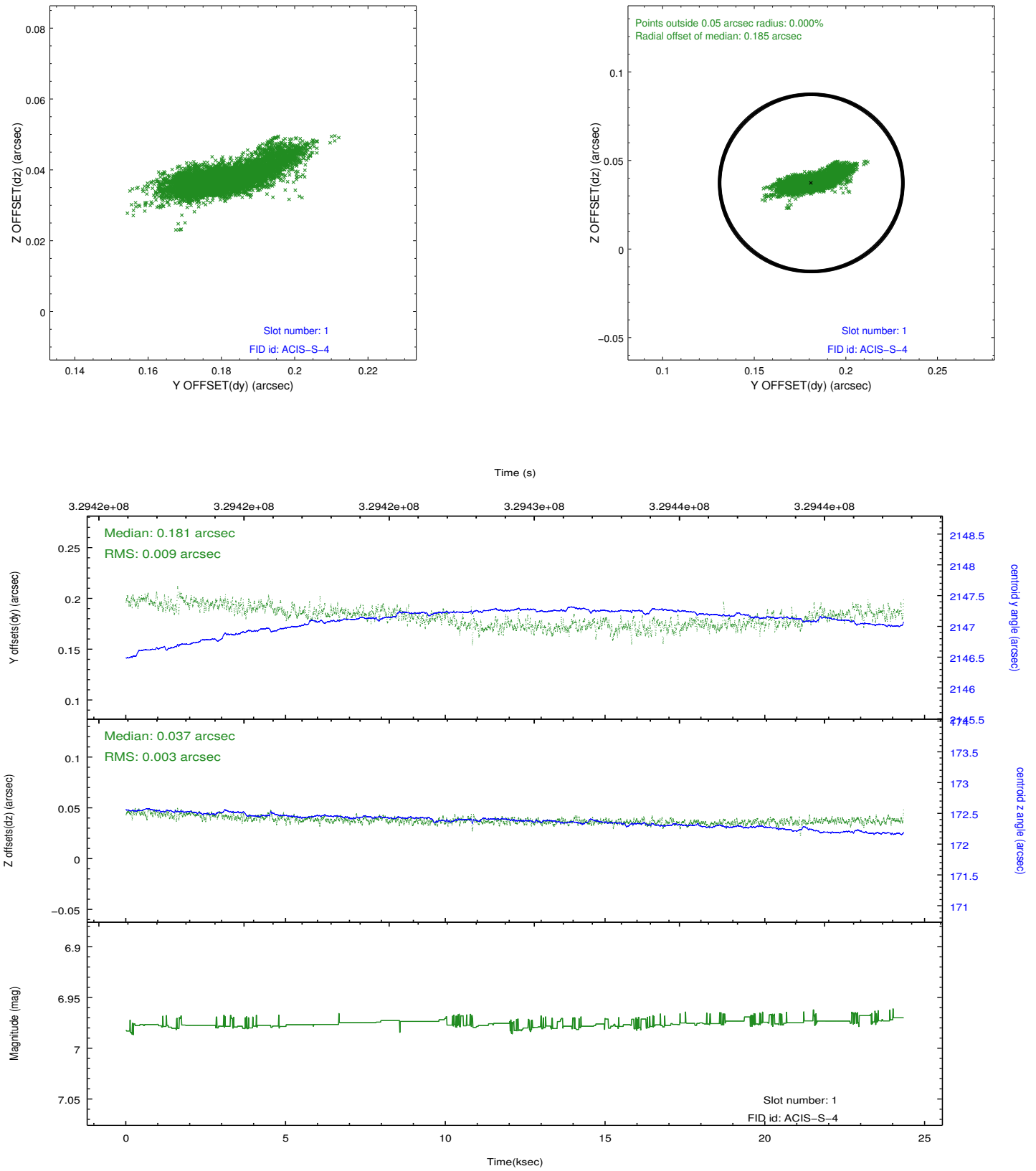


2.5 FID Slots

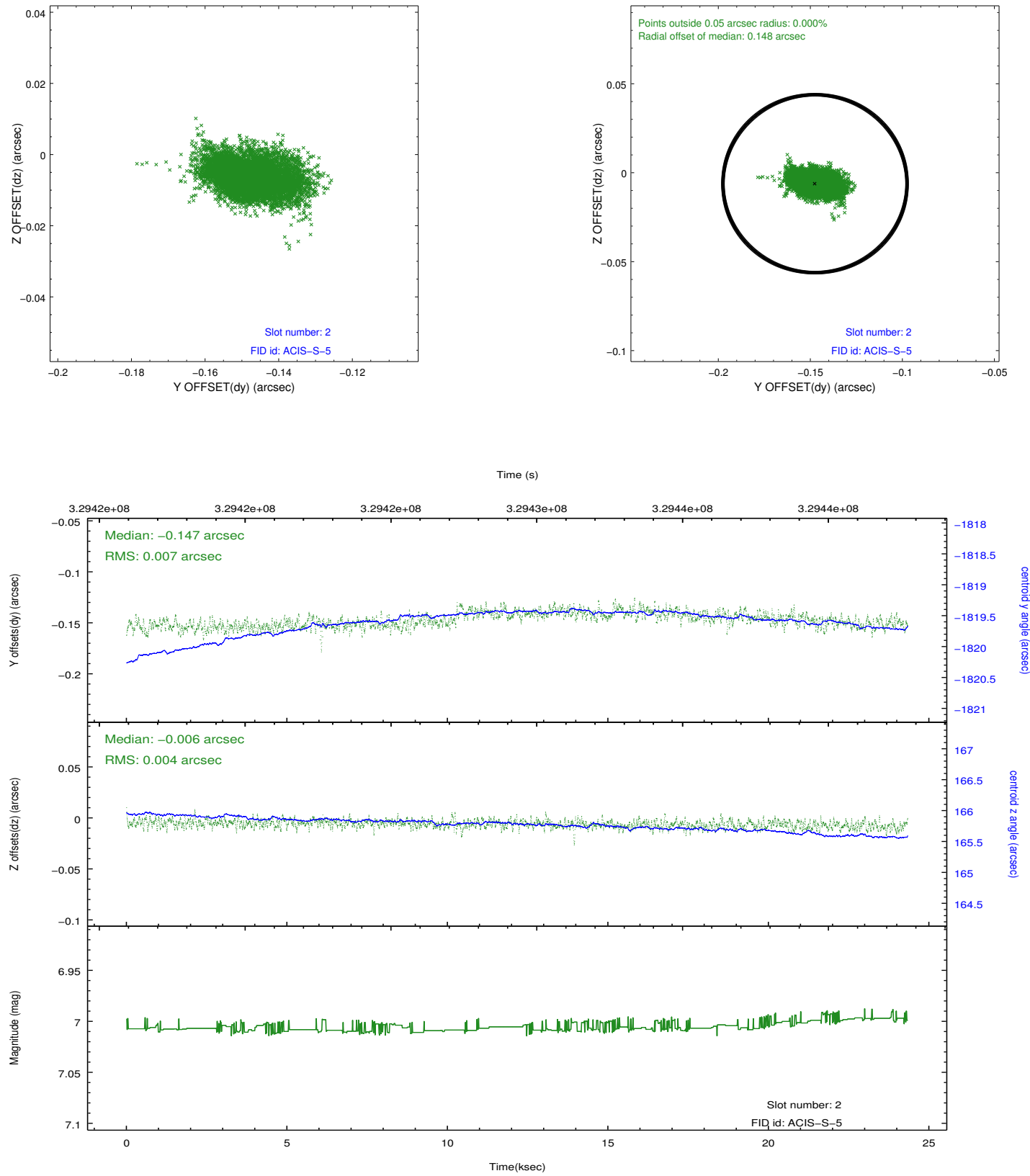
2.5.1 Slot 0



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)	2012.05.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	24.3288001

A.2 Comments

Joint proposal with HST and NRAO.