

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10325 - L2 Version 2
Chandra X-Ray Center

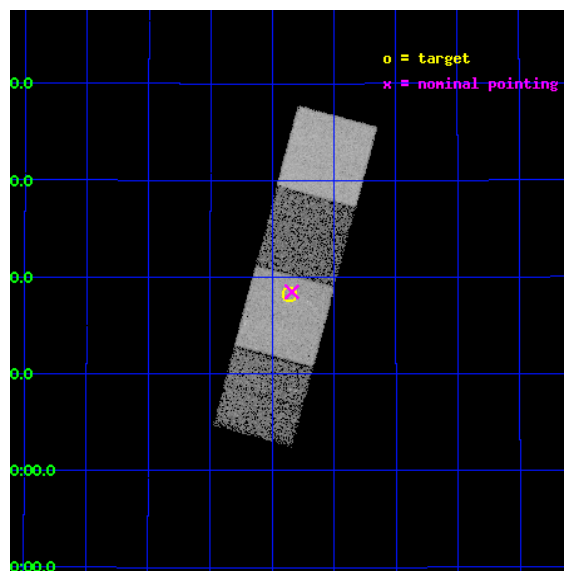
L2 Processing Date : May 30 2012

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1 Front

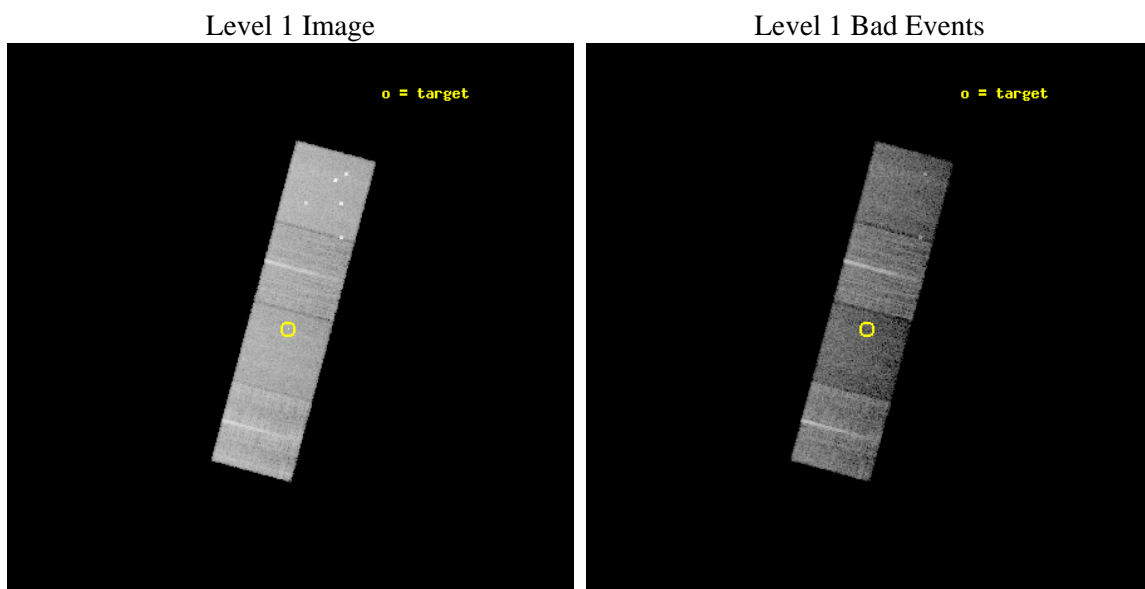
seq_num	701868	Sequence number
obs_id	10325	Observation id
title	Luminous Compton-thick QSOs at z~1	Proposal title
observer	Dr. Roberto Gilli	Principal investigator
object	SDSS J105951.36+301817.4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	164.964167	Observer's specified target RA [deg]
dec_targ	30.304833	Observer's specified target Dec [deg]
ra_nom	164.96011671659	Nominal RA [deg]
dec_nom	30.308135882094	Nominal Dec [deg]
roll_nom	105.04208840838	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10183.500078321	Sum of GTIs [s]
livetime	10050.445152814	Livetime [s]
ontime5	10183.500078321	Sum of GTIs [s]
ontime6	10180.359098017	Sum of GTIs [s]
ontime7	10183.500078321	Sum of GTIs [s]
ontime8	10183.500078321	Sum of GTIs [s]
l2events	103252	Number of level 2 events



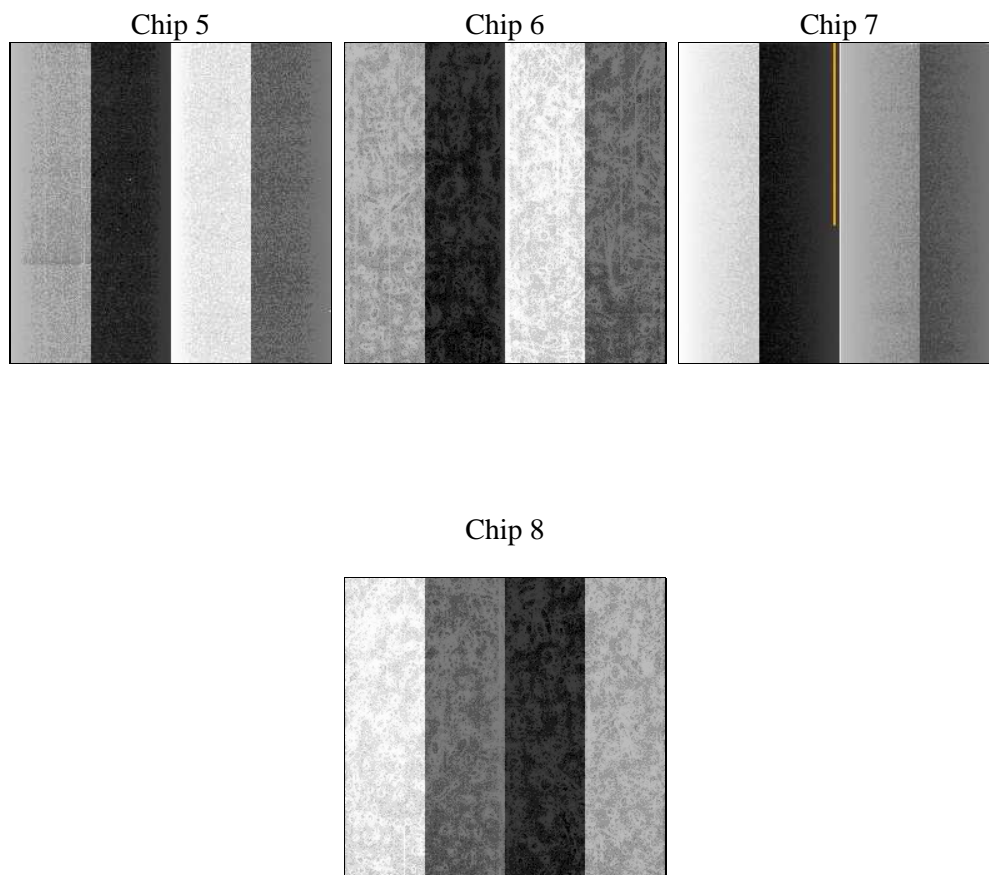
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	10183.500078321	Sum of GTIs [s]
caldsver	4.4.9	 	ontime5	10183.500078321	Sum of GTIs [s]
date	2012-05-30T06:20:19	Date and time of file creation	ontime6	10180.359098017	Sum of GTIs [s]
revision	2	Processing version of data	ontime7	10183.500078321	Sum of GTIs [s]
			ontime8	10183.500078321	Sum of GTIs [s]
			l1events	388835	Number of level 1 events

2.1.4 Events

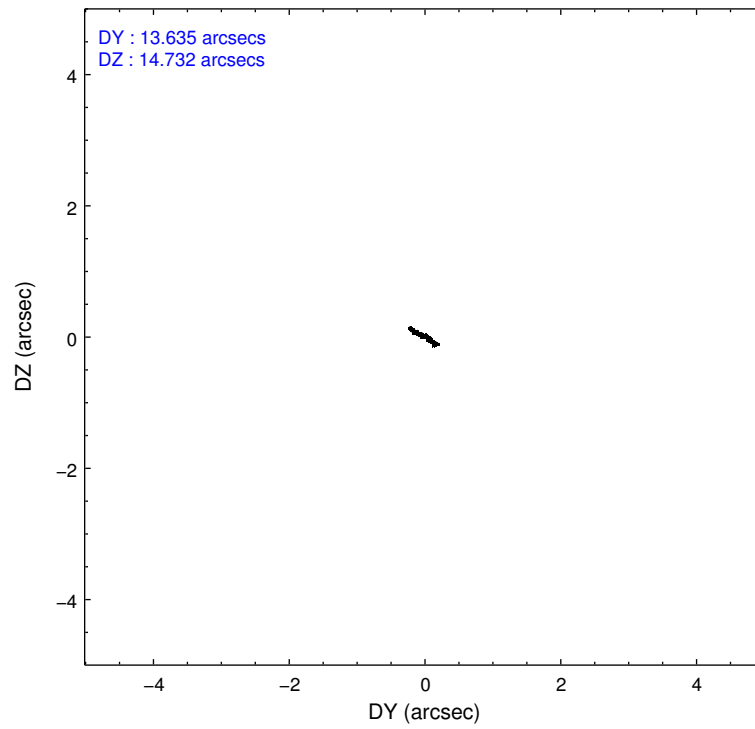
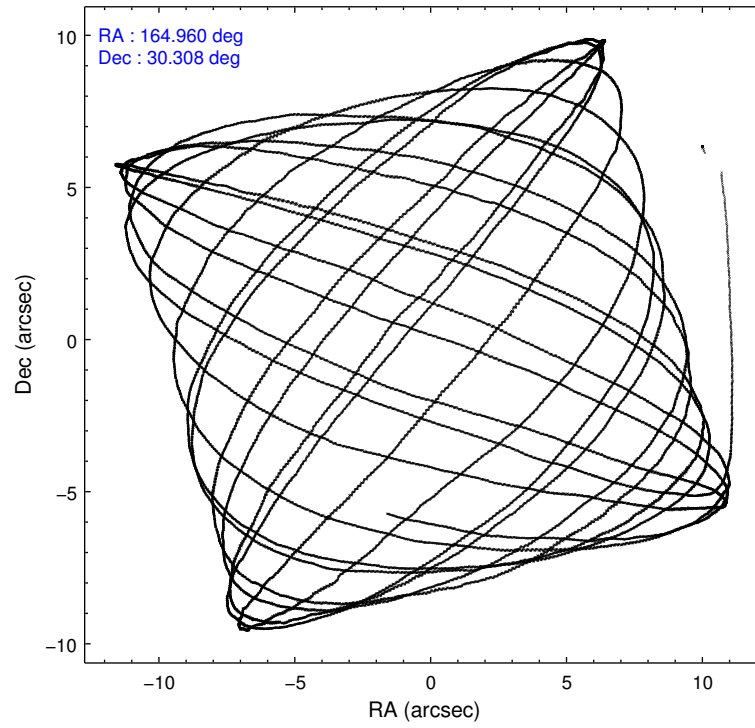
	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	113659	85019	83753	106404
rejected events	55800	76763	44839	80725
rejected %	49%	90%	53%	75%

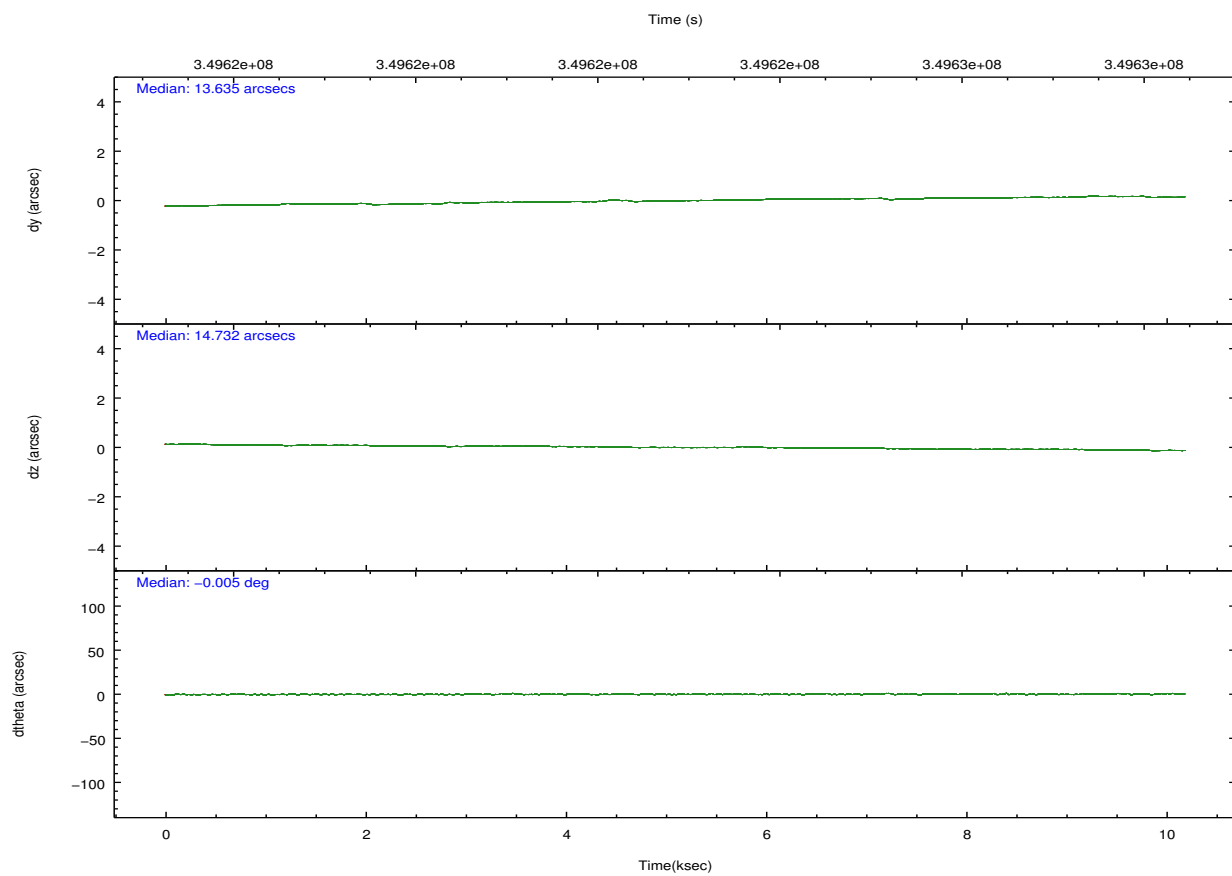
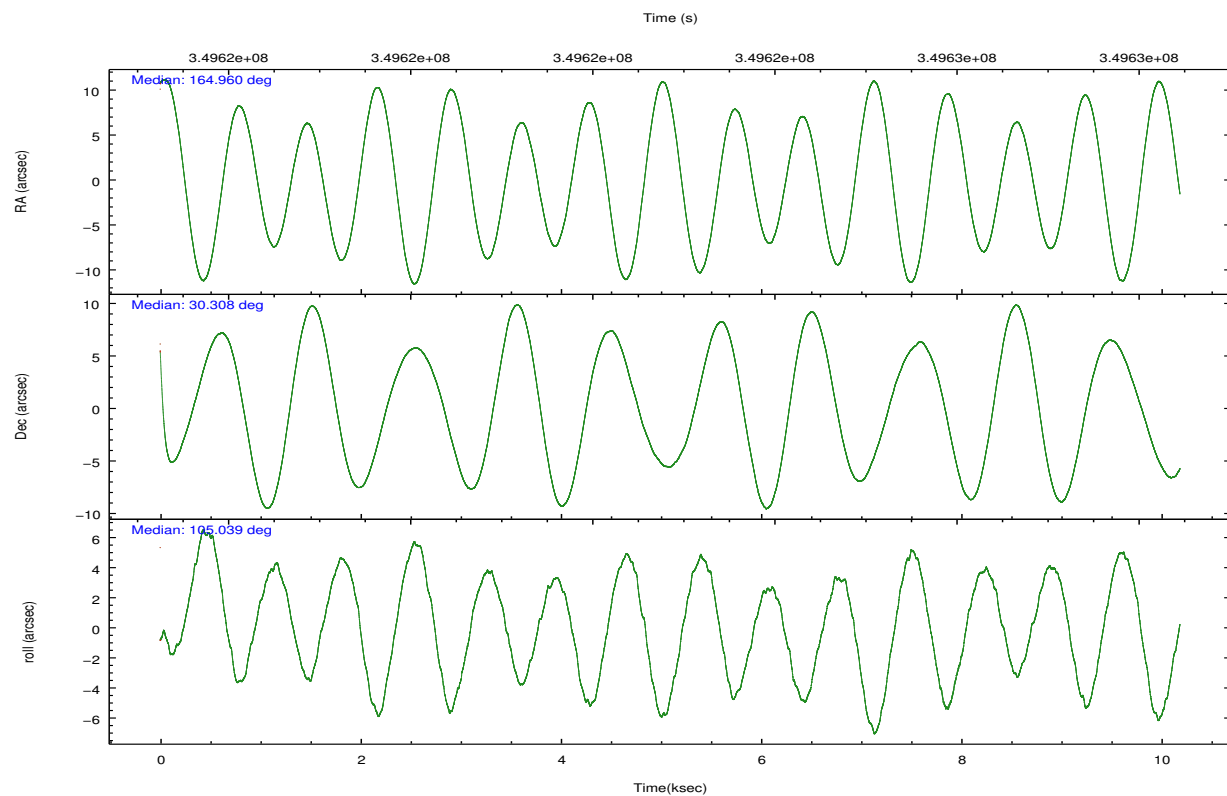
	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	9521	3183	4325	7666
	8%	3%	5%	7%
grade 1 events	415	56	123	83
	0%	0%	0%	0%
grade 2 events	18218	1934	8877	6629
	16%	2%	10%	6%
grade 3 events	2504	923	3910	2949
	2%	1%	4%	2%
grade 4 events	2515	958	3956	2723
	2%	1%	4%	2%
grade 5 events	8925	2998	9053	4640
	7%	3%	10%	4%
grade 6 events	28932	1787	20364	7337
	25%	2%	24%	6%
grade 7 events	42629	73180	33145	74377
	37%	86%	39%	69%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-5678	ACIS-5678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	164.982789	164.9601167165913	Subarray requested	NONE	NONE
[deg] Pointing Dec	30.289093	30.30813588209447	Alternating exposures requested	N	N
[deg] Pointing Roll	104.874019	105.0420884083817	[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)	349617939.184000	349616671.96947			
Observation start date	2009-01-29T12:04:33	2009-01-29T11:44:31			
[s] Observation end time (MET)	349627939.184000	349628972.99508			
Observation end date	2009-01-29T14:51:13	2009-01-29T15:09:32			
Read mode	TIMED	TIMED			

2.3 Aspect



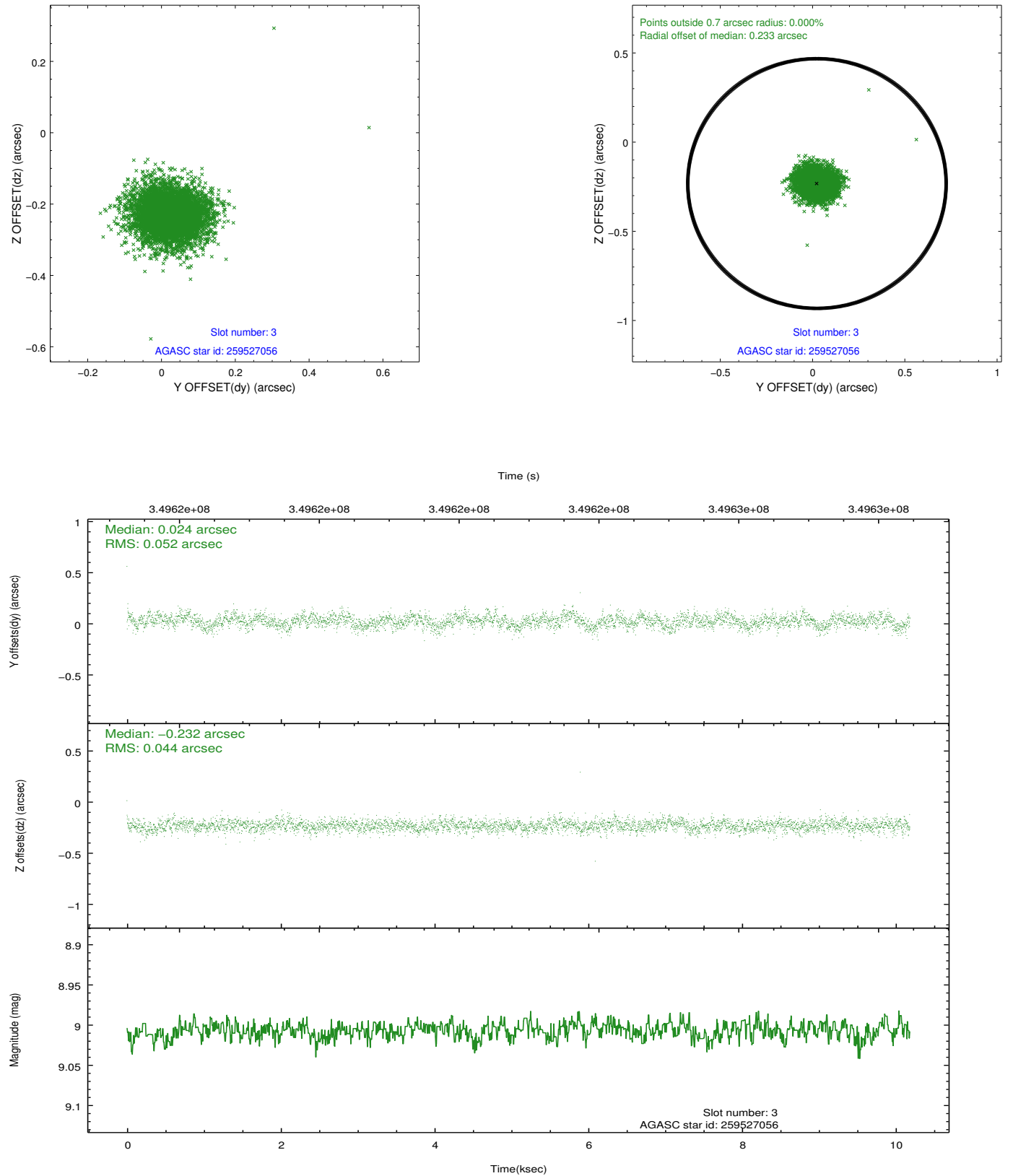


Slot Statistics

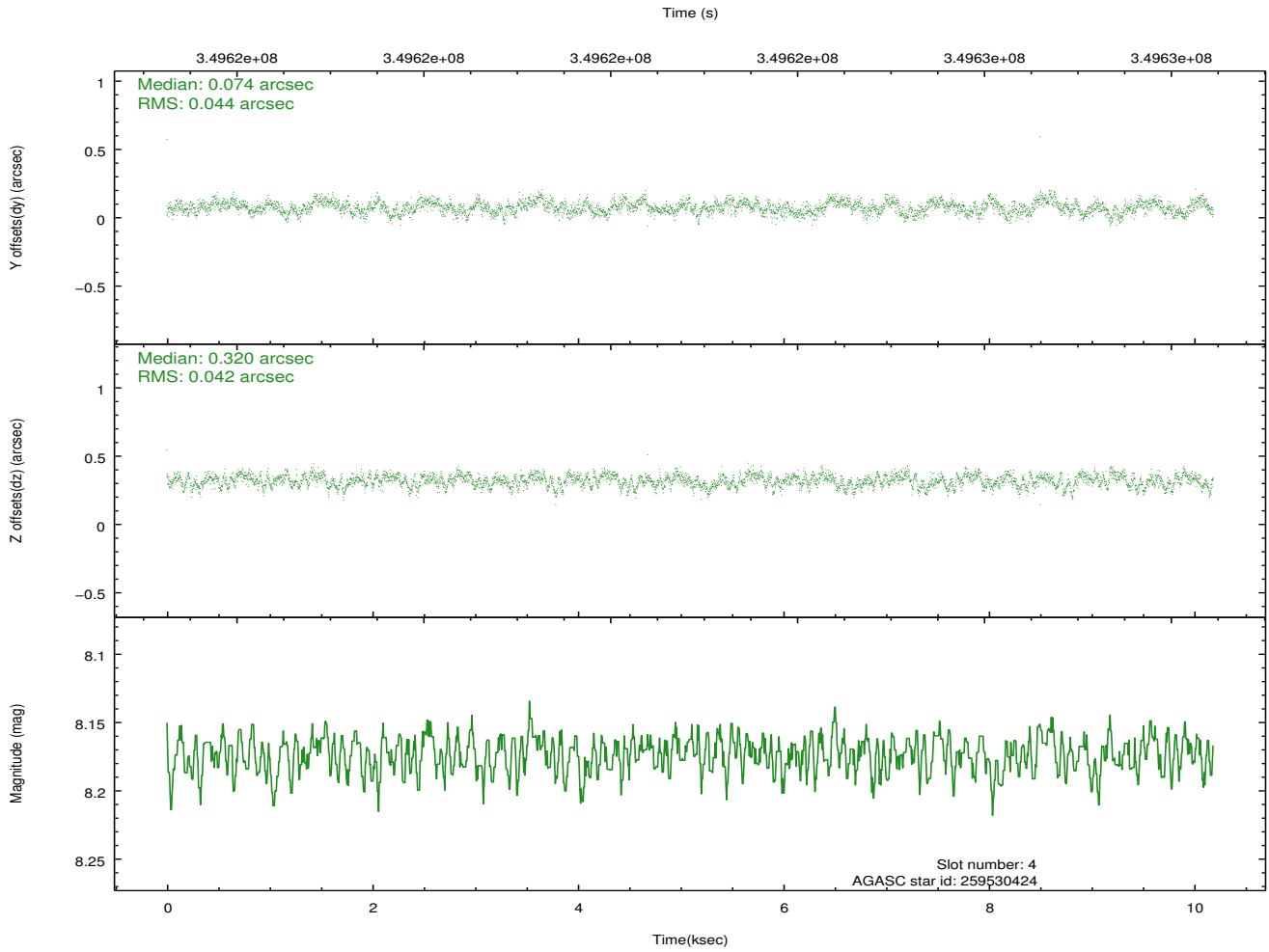
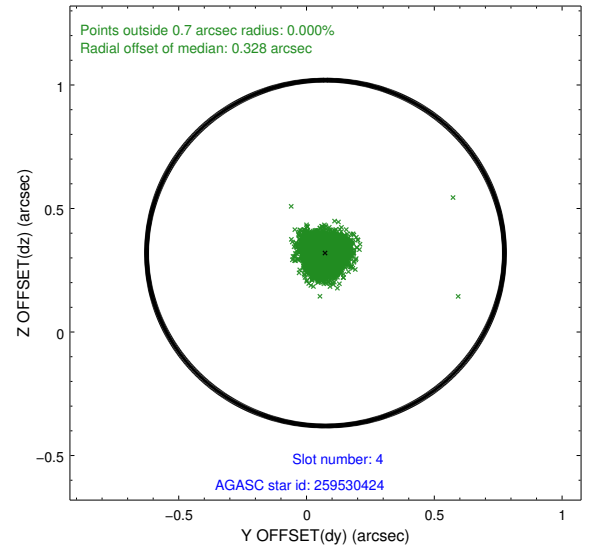
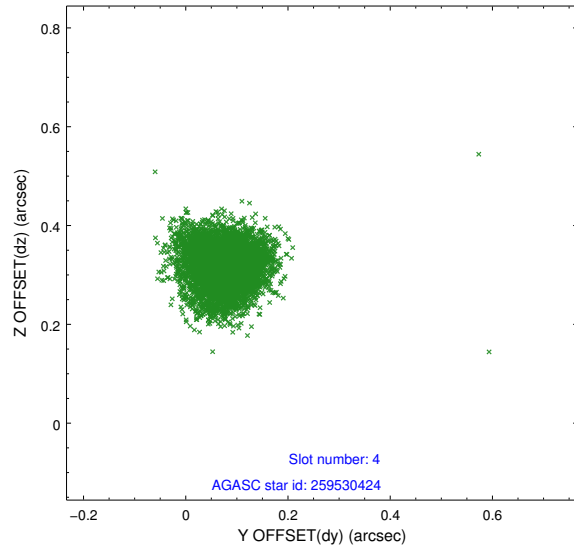
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.91	2485	-0.058	-0.026	0.007	0.013	0.000000	0.000000	-766.59	-1736.15
1	FID	ACIS-S-4	6.99	2485	0.184	0.035	0.007	0.013	0.000000	0.000000	2146.66	171.90
2	FID	ACIS-S-5	7.02	2485	-0.157	-0.000	0.007	0.012	0.000000	0.000000	-1818.89	166.07
3	GUIDE	259527056	9.01	4968	0.024	-0.232	0.071	0.120	165.564419	29.773010	-2257.24	-1280.94
4	GUIDE	259530424	8.17	4968	0.074	0.320	0.066	0.101	165.853521	29.927693	-1944.70	-2294.09
5	GUIDE	330182368	9.24	4960	-0.026	0.023	0.091	0.148	165.115653	30.857642	1873.19	-922.21
6	GUIDE	330189144	8.19	4968	0.061	0.091	0.068	0.111	165.716287	30.415193	-137.78	-2319.17
7	GUIDE	330190488	8.30	4959	-0.139	-0.201	0.066	0.107	164.593224	30.726697	1834.26	760.04

2.4 Star Slots

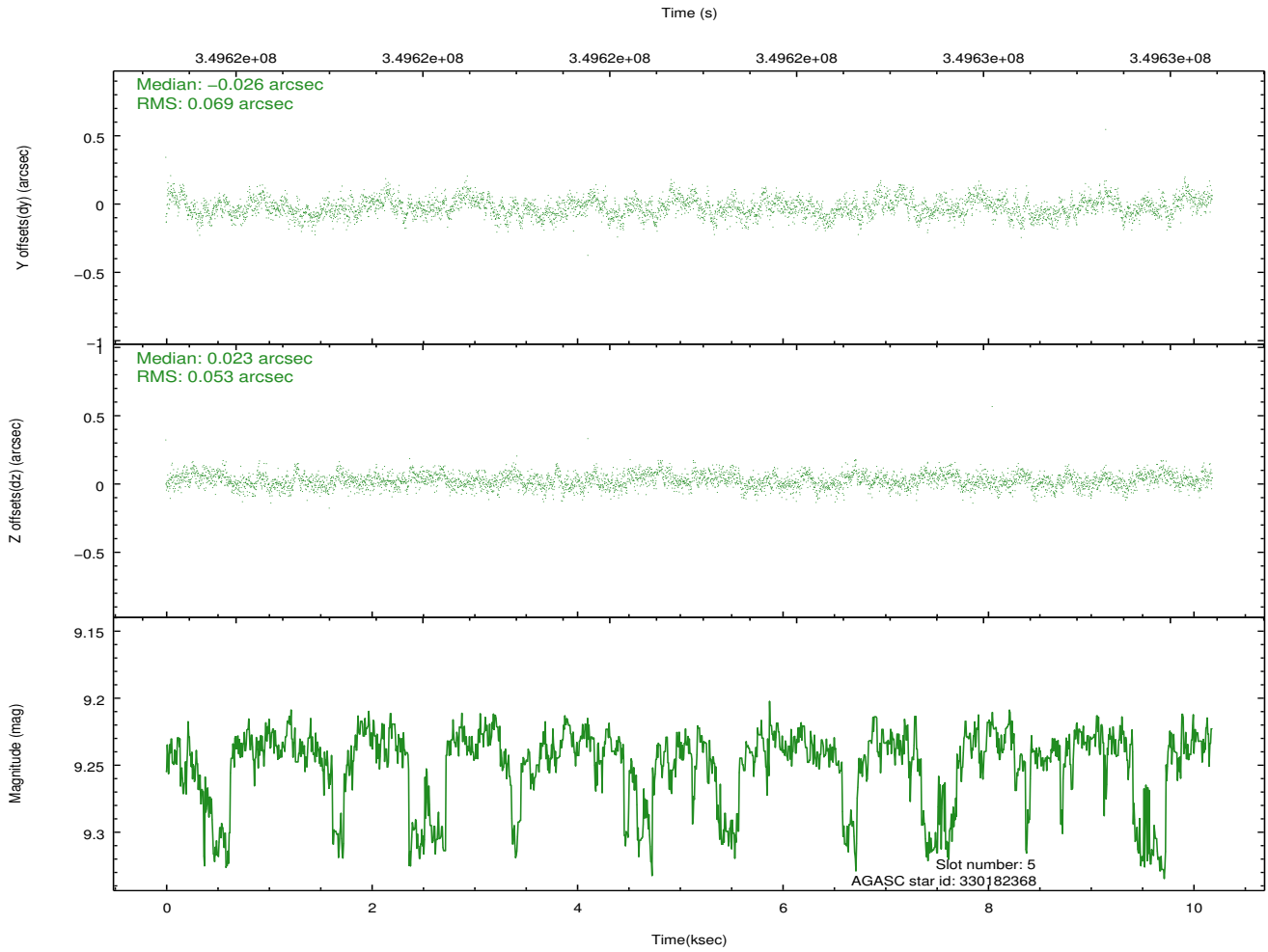
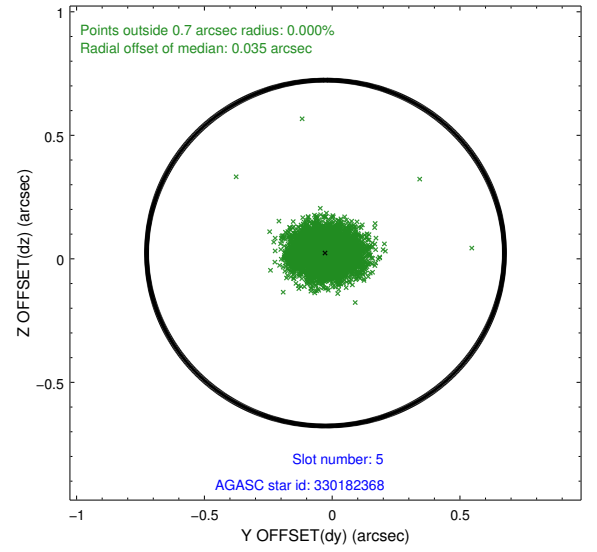
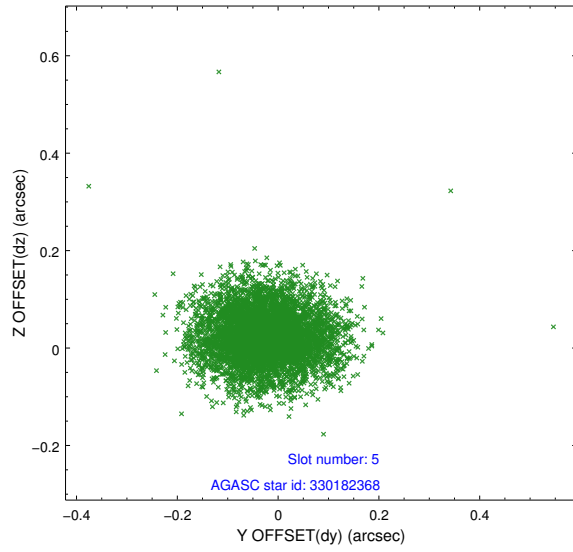
2.4.1 Slot 3



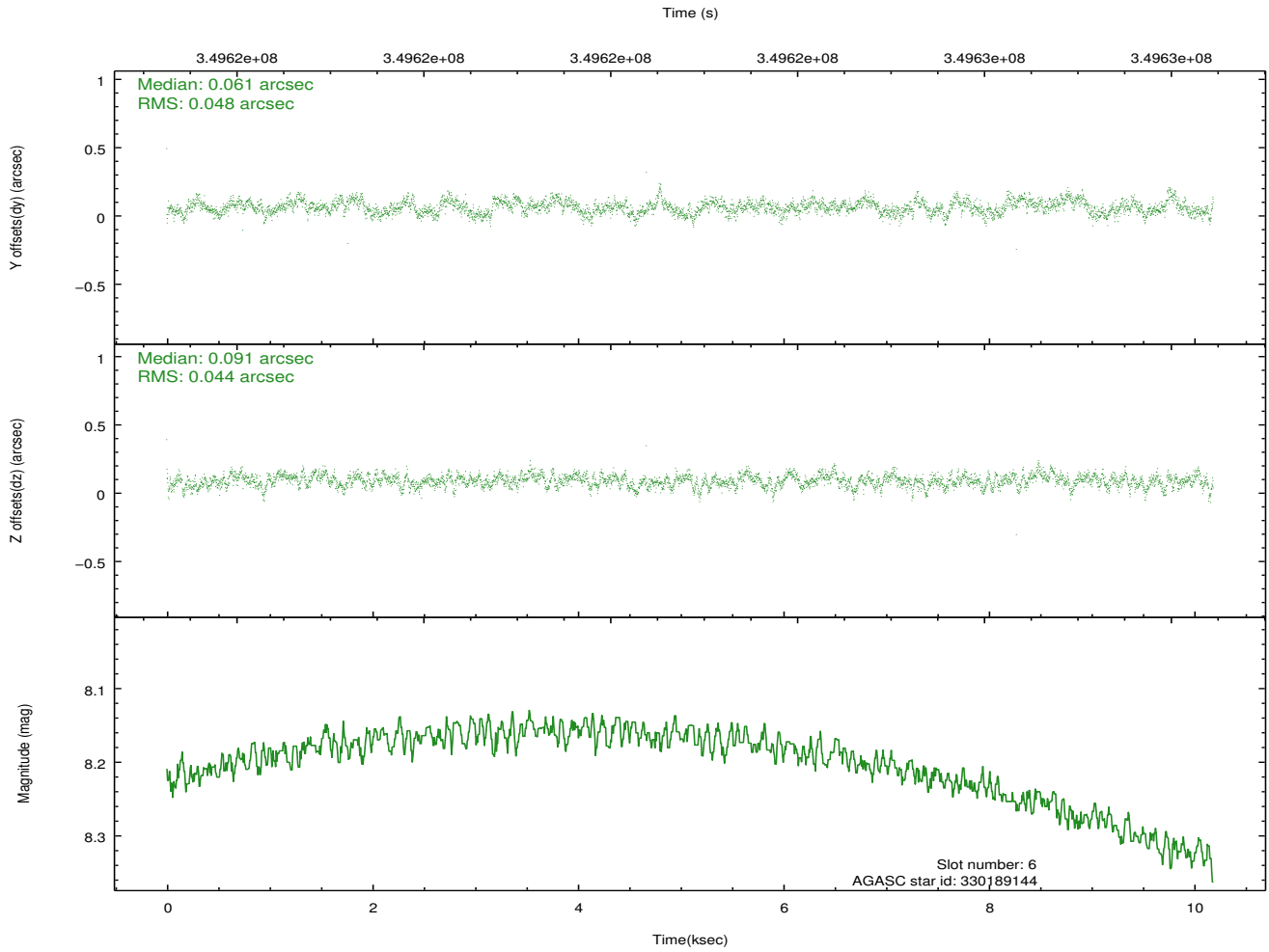
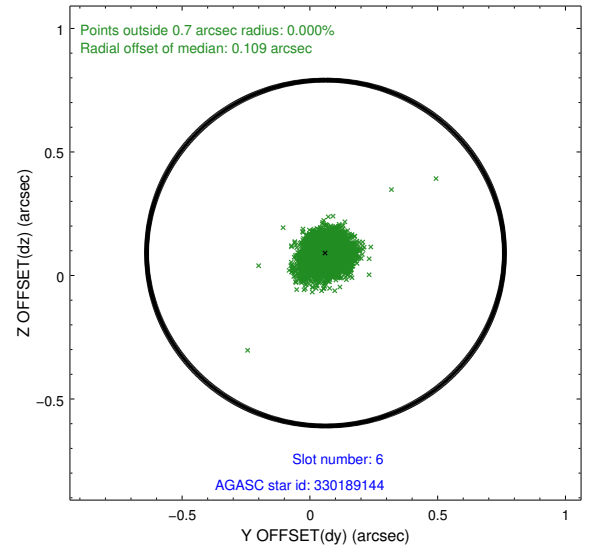
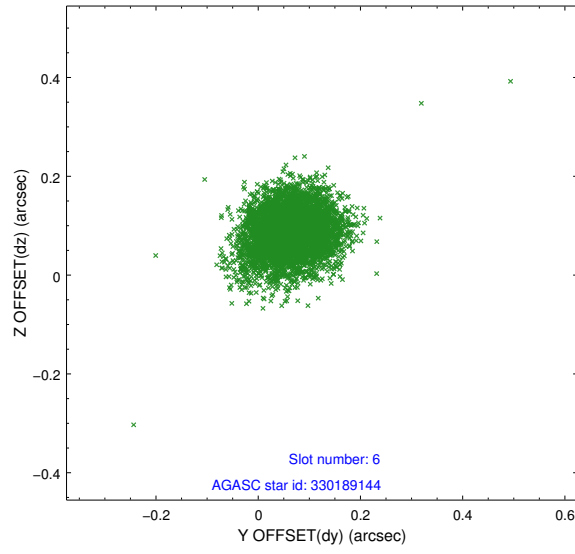
2.4.2 Slot 4



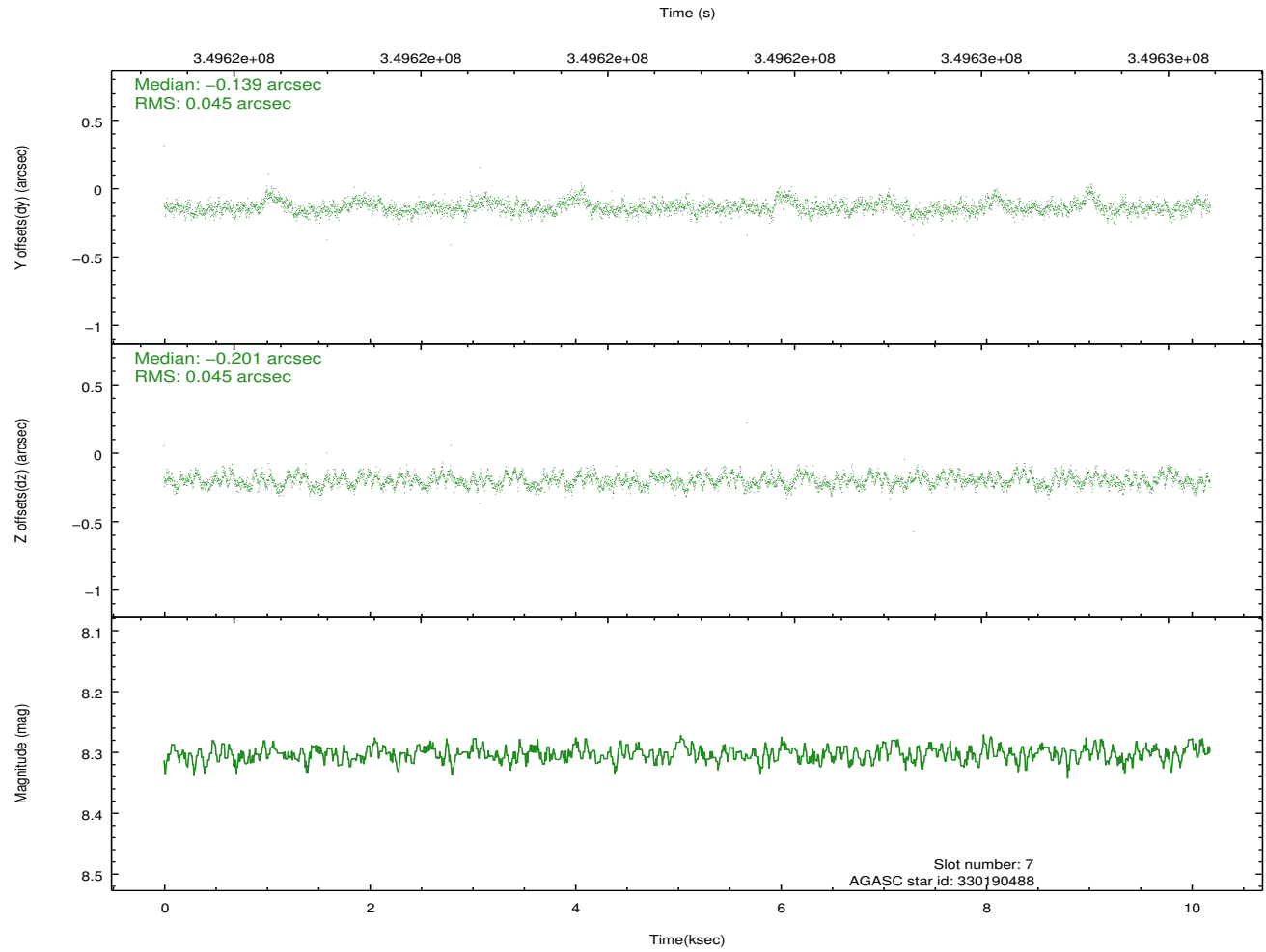
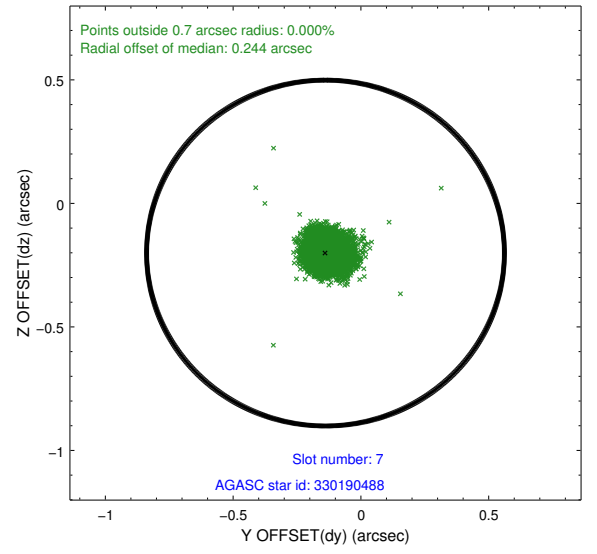
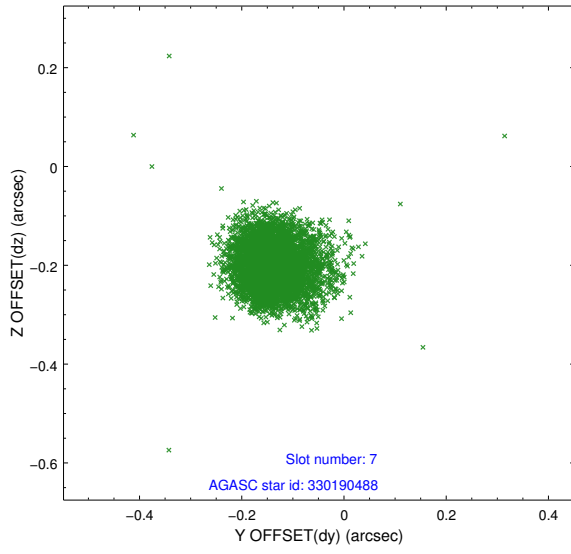
2.4.3 Slot 5



2.4.4 Slot 6

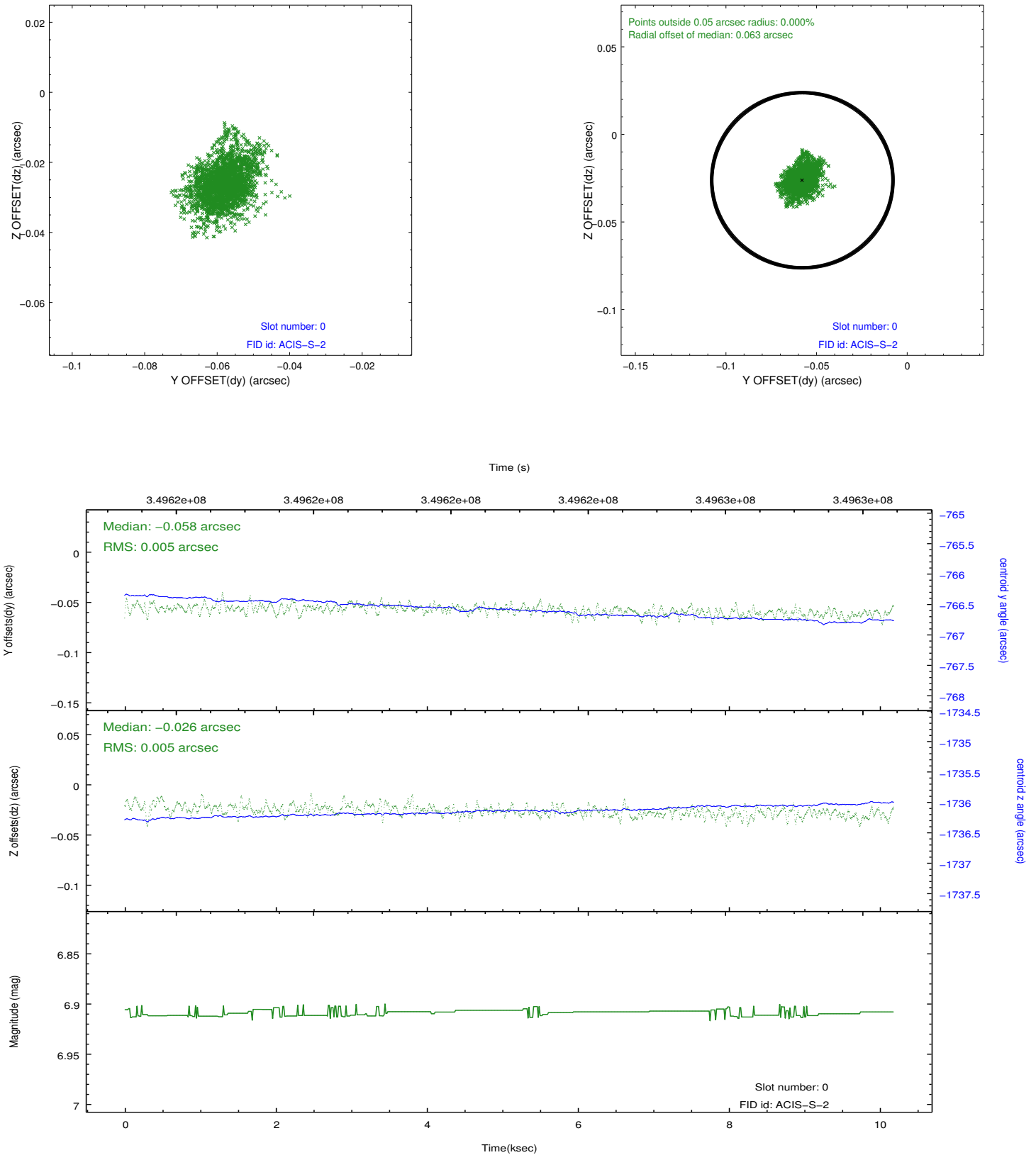


2.4.5 Slot 7

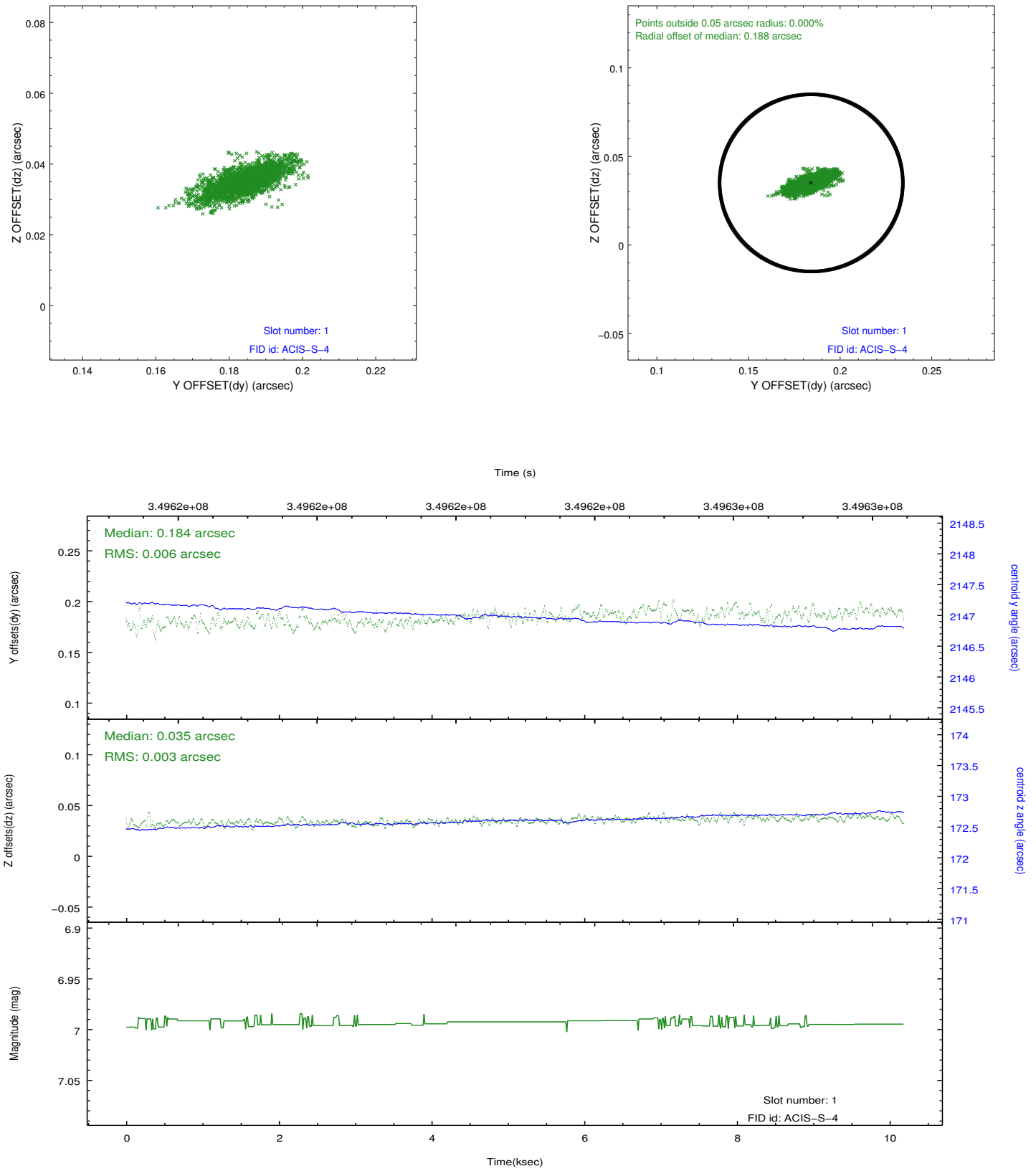


2.5 FID Slots

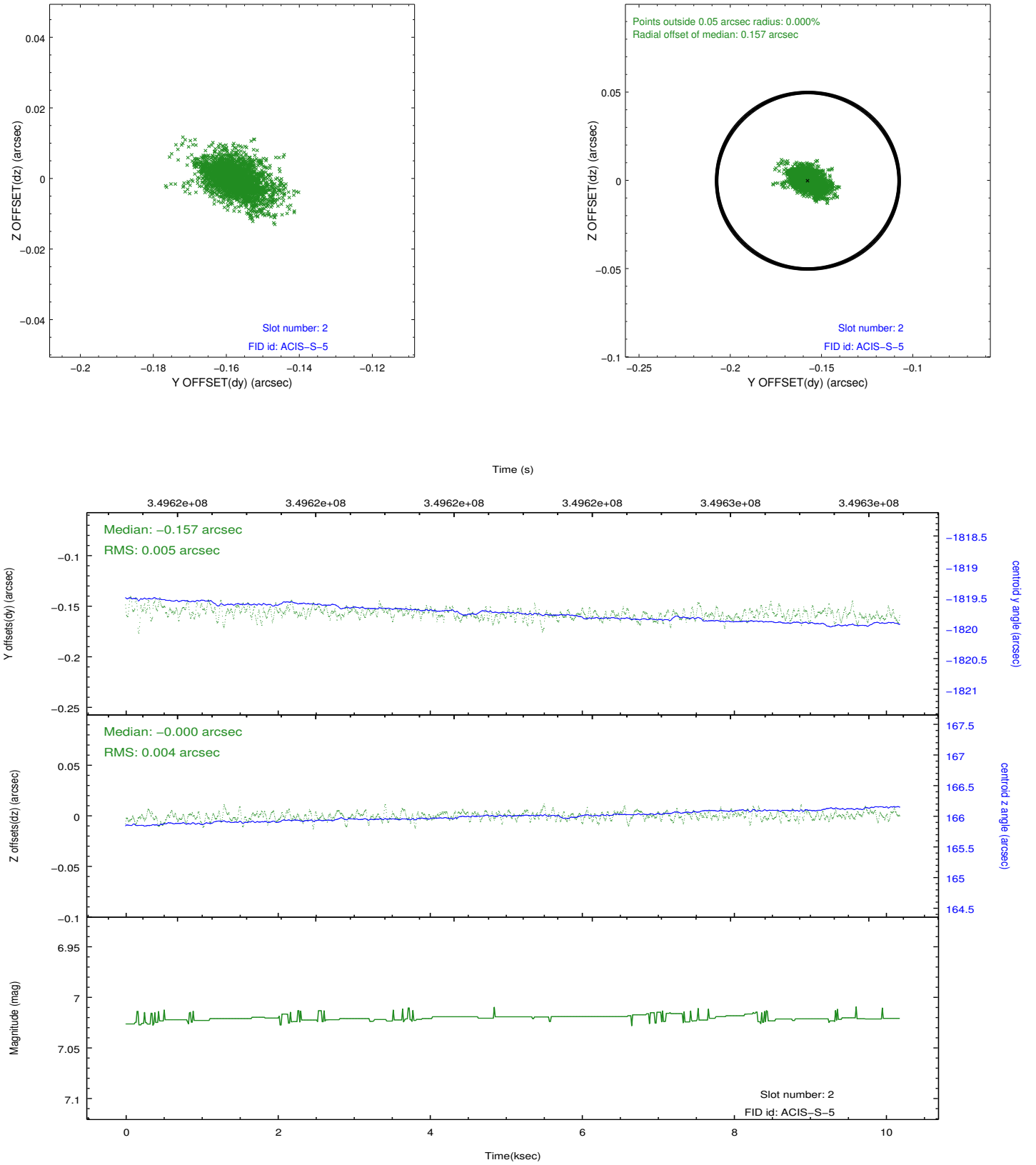
2.5.1 Slot 0



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)	2012.06.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.1835

A.2 Comments