

V&V Reference Report

L2 ASCDS Version : 10.2.2

Observation 16072 - L2 Version 2
Chandra X-Ray Center

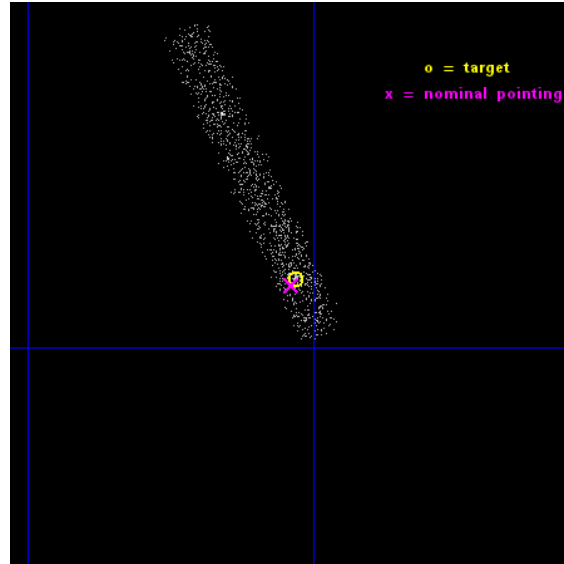
L2 Processing Date : Dec 12 2014

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1 Front

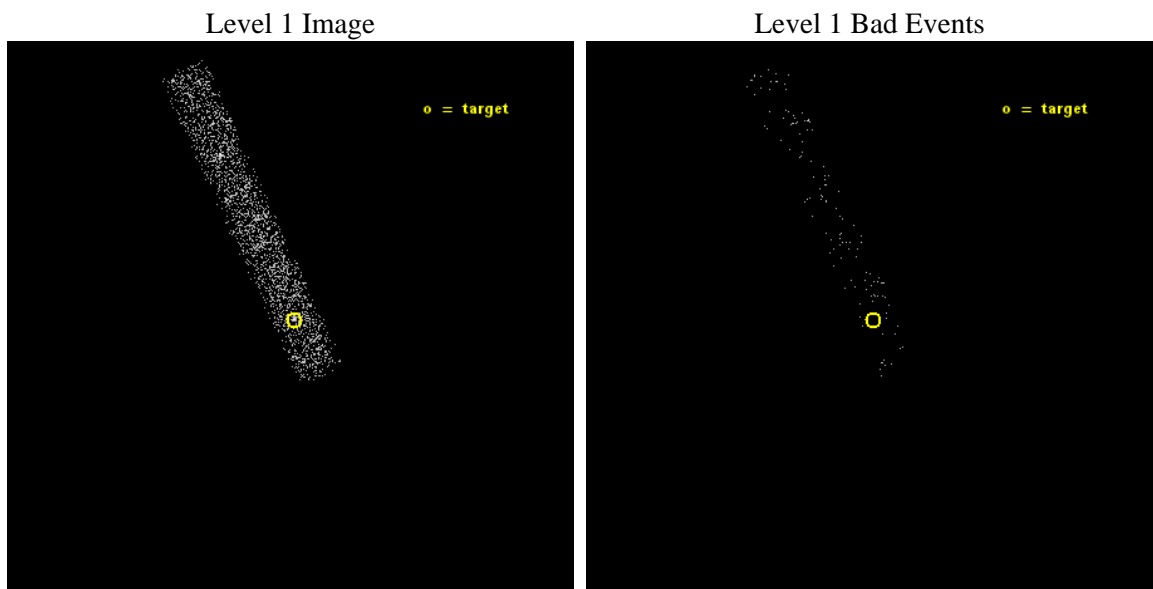
seq_num	702965	Sequence number
obs_id	16072	Observation id
title	PRE-SELECTING DUAL AGN CANDIDATES USING WISE: A CHANDRA PILOT STUDY	
observer	Dr. Shobita Satyapal	Principal investigator
object	SDSSJ1036+0221	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	159.132917	Observer's specified target RA [deg]
dec_targ	2.362194	Observer's specified target Dec [deg]
ra_nom	159.13463340236	Nominal RA [deg]
dec_nom	2.3595404814694	Nominal Dec [deg]
roll_nom	244.4499169992	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3070.3998169899	Sum of GTIs [s]
livetime	2784.690565019	Livetime [s]
ontime7	3070.3998169899	Sum of GTIs [s]
l2events	1316	Number of level 2 events



2 OBI

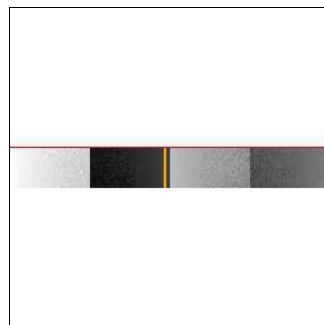
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	10.3.1	Processing system revision	ontime	3070.3998169899	Sum of GTIs [s]
caldsver	4.6.4	 	ontime7	3070.3998169899	Sum of GTIs [s]
date	2014-12-12T20:23:50	Date and time of file creation	l1events	2695	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

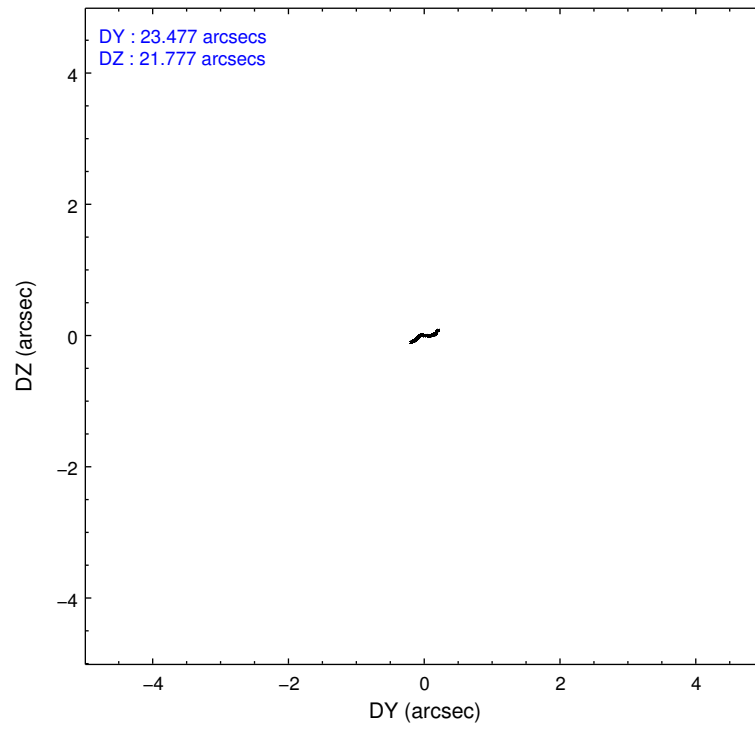
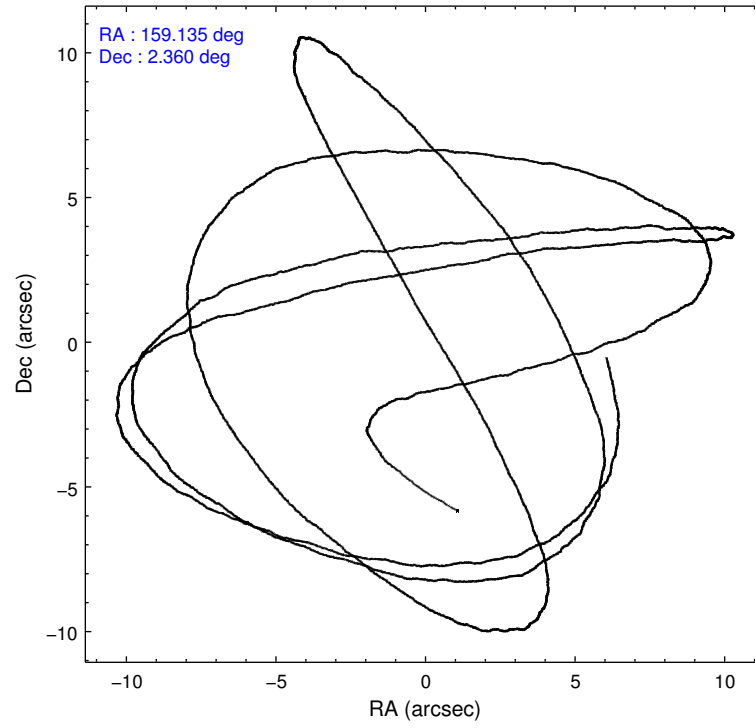
	ccd 7
level 1 events	2695
rejected events	1324
rejected %	49%

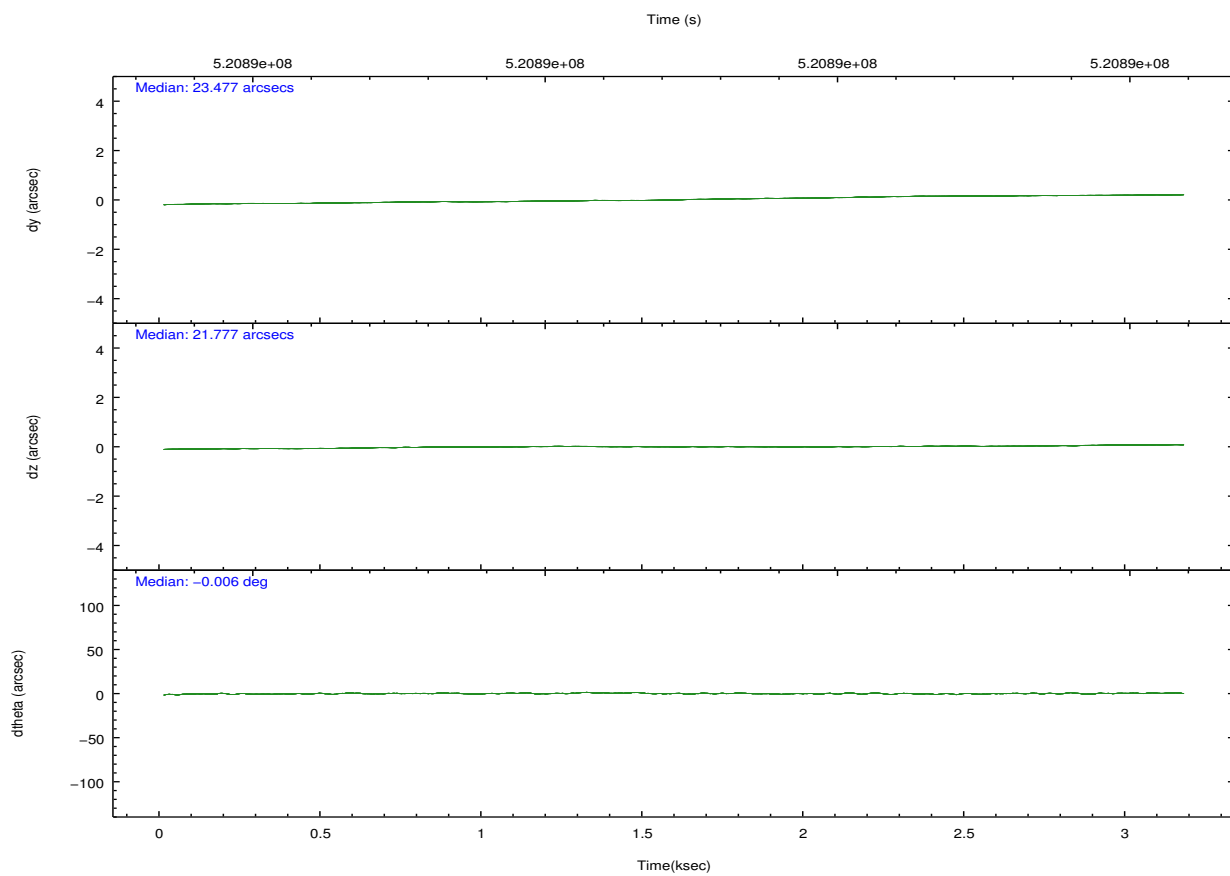
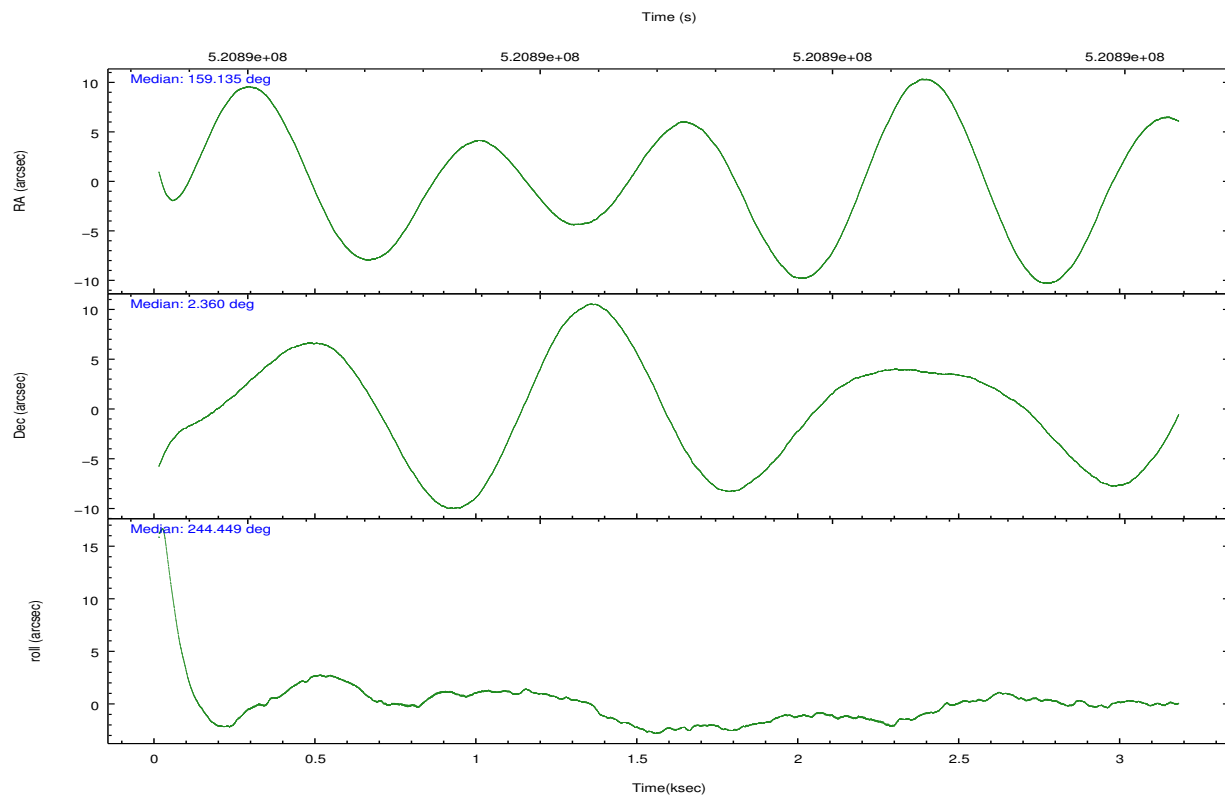
	ccd 7
grade 0 events	166
	6%
grade 1 events	2
	0%
grade 2 events	251
	9%
grade 3 events	194
	7%
grade 4 events	165
	6%
grade 5 events	274
	10%
grade 6 events	595
	22%
grade 7 events	1048
	38%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	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	159.132023	159.1346334023593	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	2.386853	2.359540481469434	Subarray start row	449	449
[deg] Pointing Roll	244.293363	244.4499169992003	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	520890039.184000	520889190.16197			
Observation start date	2014-07-04T19:39:32	2014-07-04T19:26:30			
[s] Observation end time (MET)	520893039.184000	520894092.73724			
Observation end date	2014-07-04T20:29:32	2014-07-04T20:48:12			
Read mode	TIMED	TIMED			

2.3 Aspect



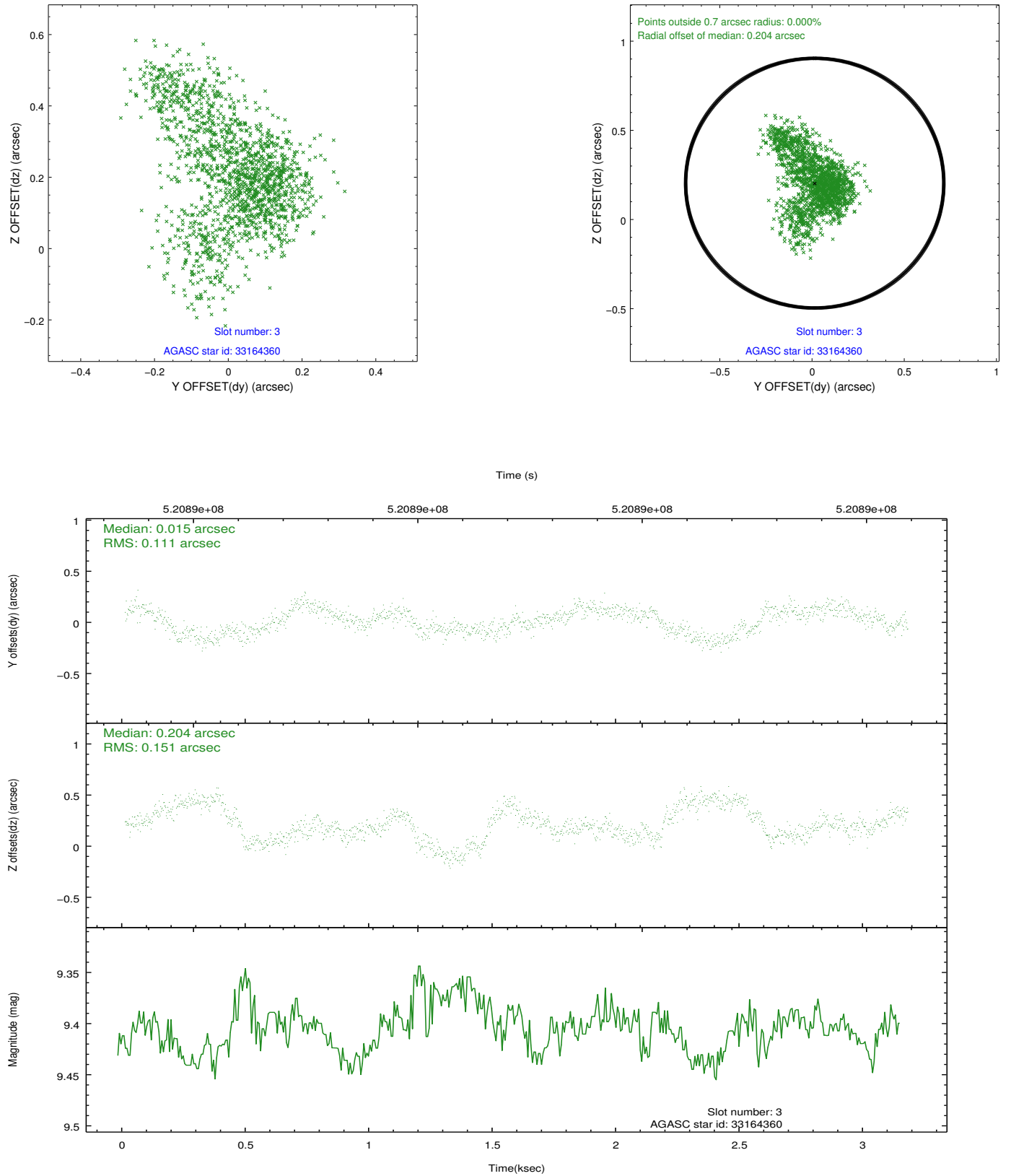


Slot Statistics

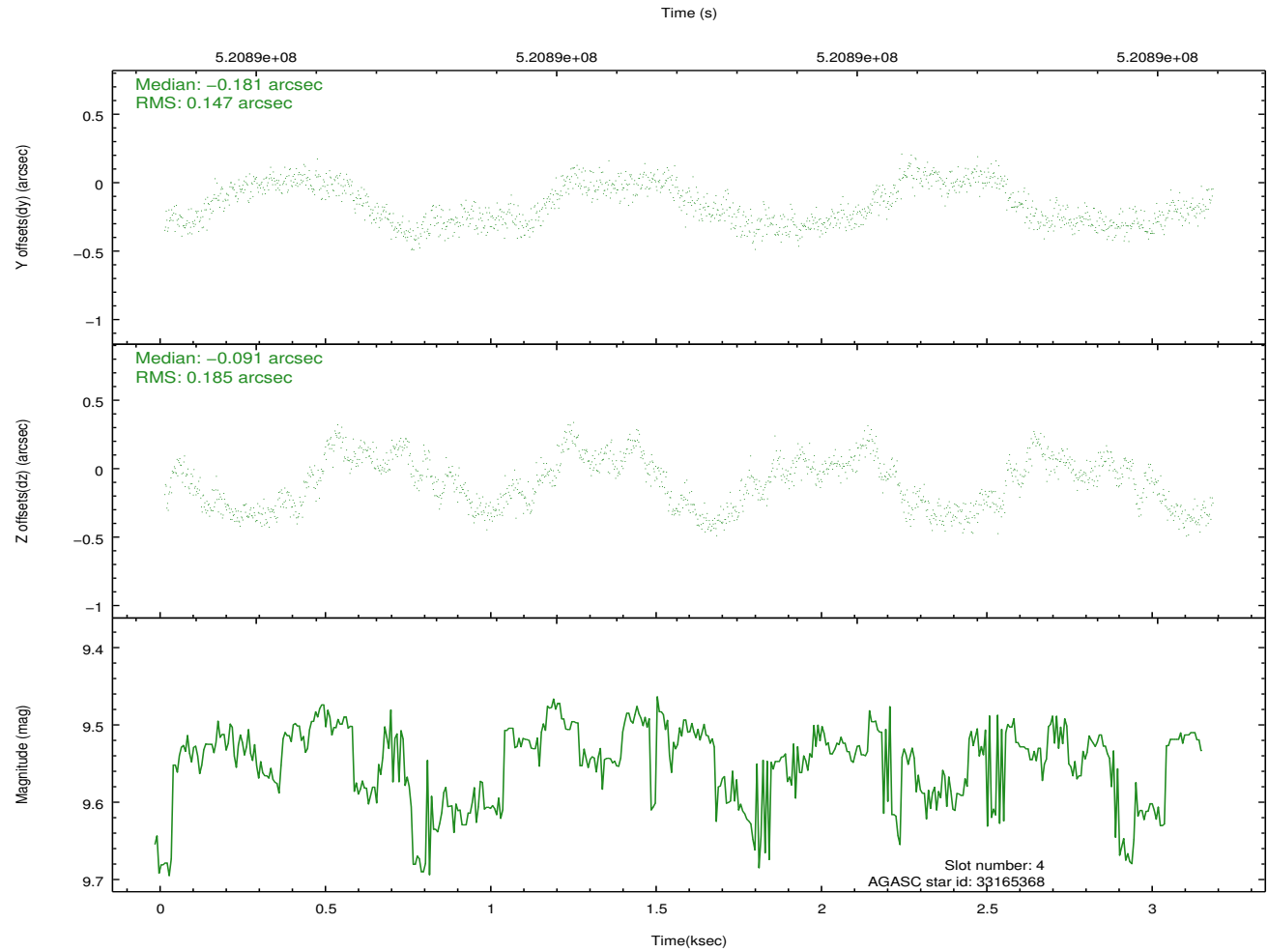
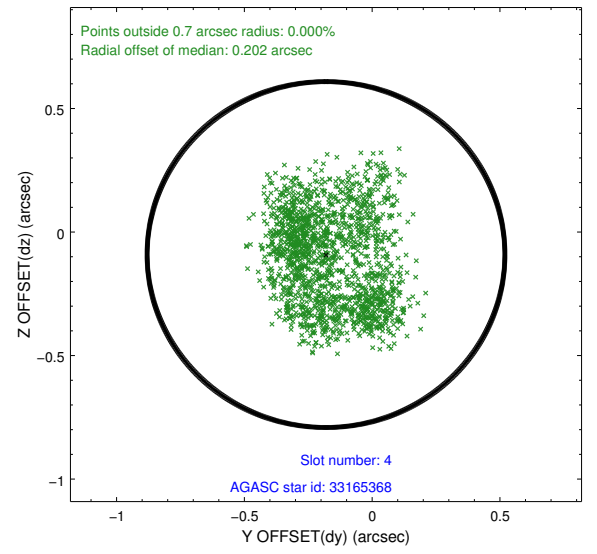
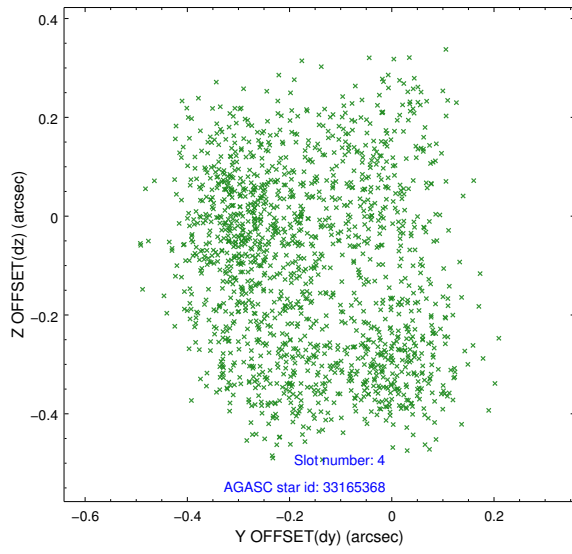
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.03	773	0.100	-0.070	0.007	0.012	0.000000	0.000000	919.45	-1739.03
1	FID		ACIS-S-5	7.08	774	-0.220	0.047	0.006	0.010	0.000000	0.000000	-1828.77	156.55
2	FID		ACIS-S-6	7.17	773	0.100	0.035	0.007	0.012	0.000000	0.000000	382.80	802.78
3	GUIDE	used	33164360	9.41	1547	0.015	0.204	0.198	0.336	158.839049	2.130124	1290.40	-549.07
4	GUIDE	used	33165368	9.54	1546	-0.181	-0.091	0.262	0.371	159.177636	2.069273	960.16	642.43
5	GUIDE	used	33165520	8.70	1547	0.035	-0.250	0.081	0.128	159.073615	1.736937	2200.29	825.47
6	GUIDE	used	33557296	7.65	1547	-0.045	-0.009	0.096	0.155	159.006383	2.747476	-972.12	-970.67
7	GUIDE	used	33561104	8.12	1546	0.163	0.151	0.084	0.135	158.569292	2.771877	-371.63	-2425.18

2.4 Star Slots

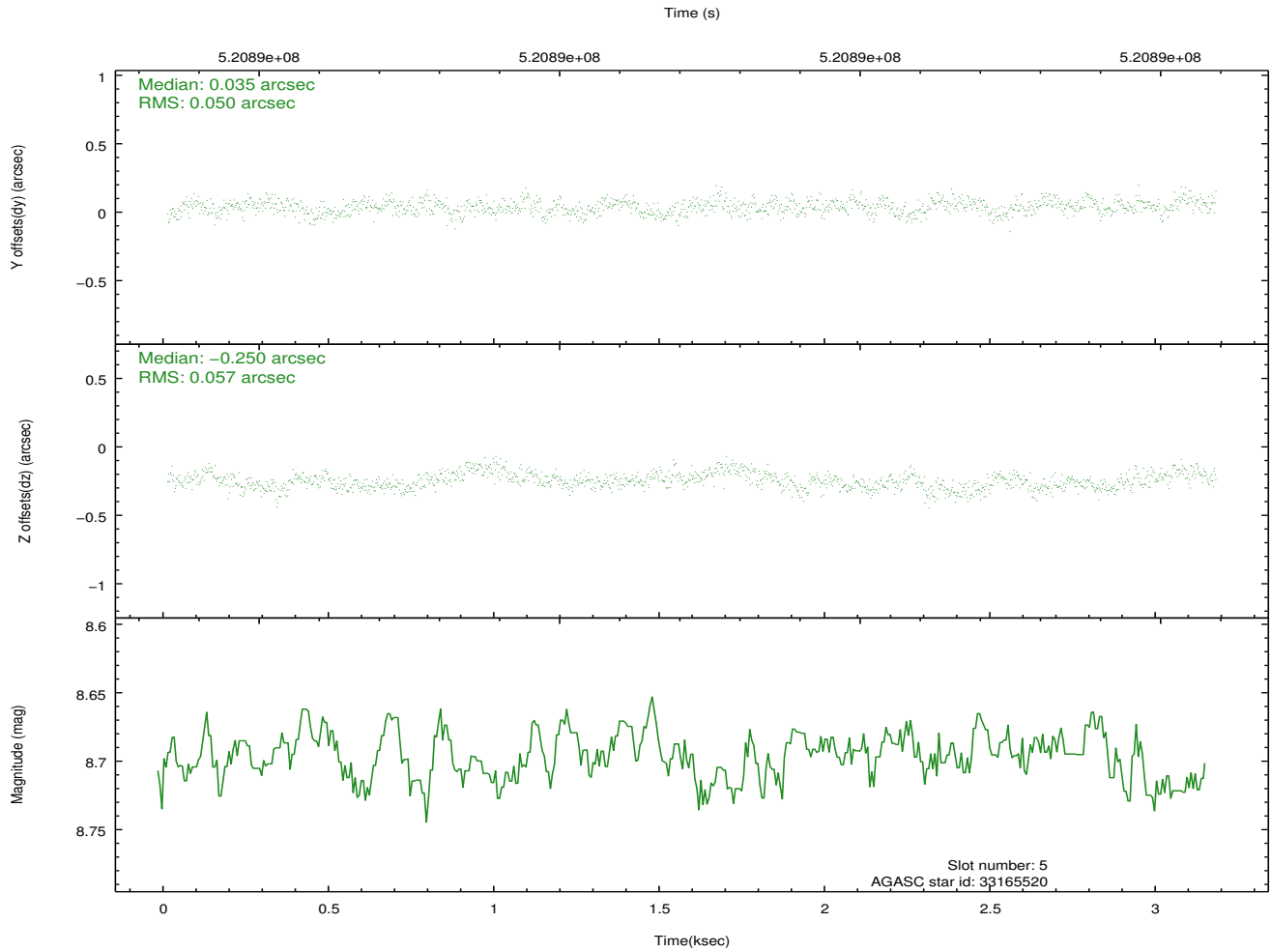
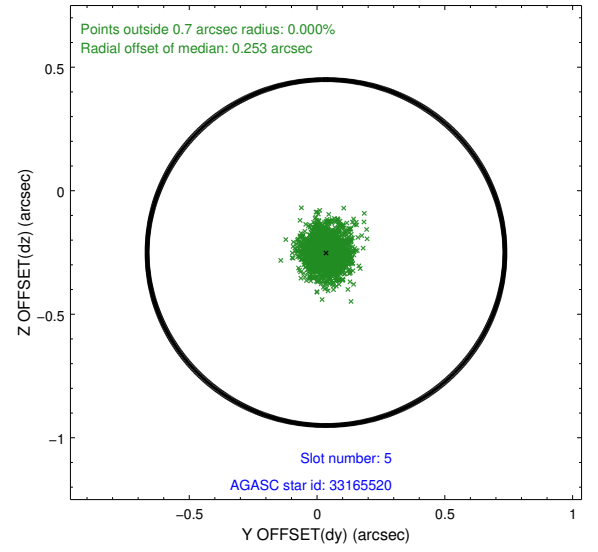
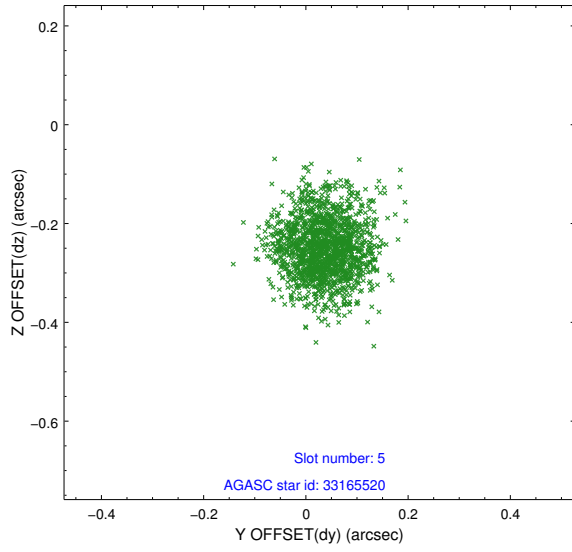
2.4.1 Slot 3



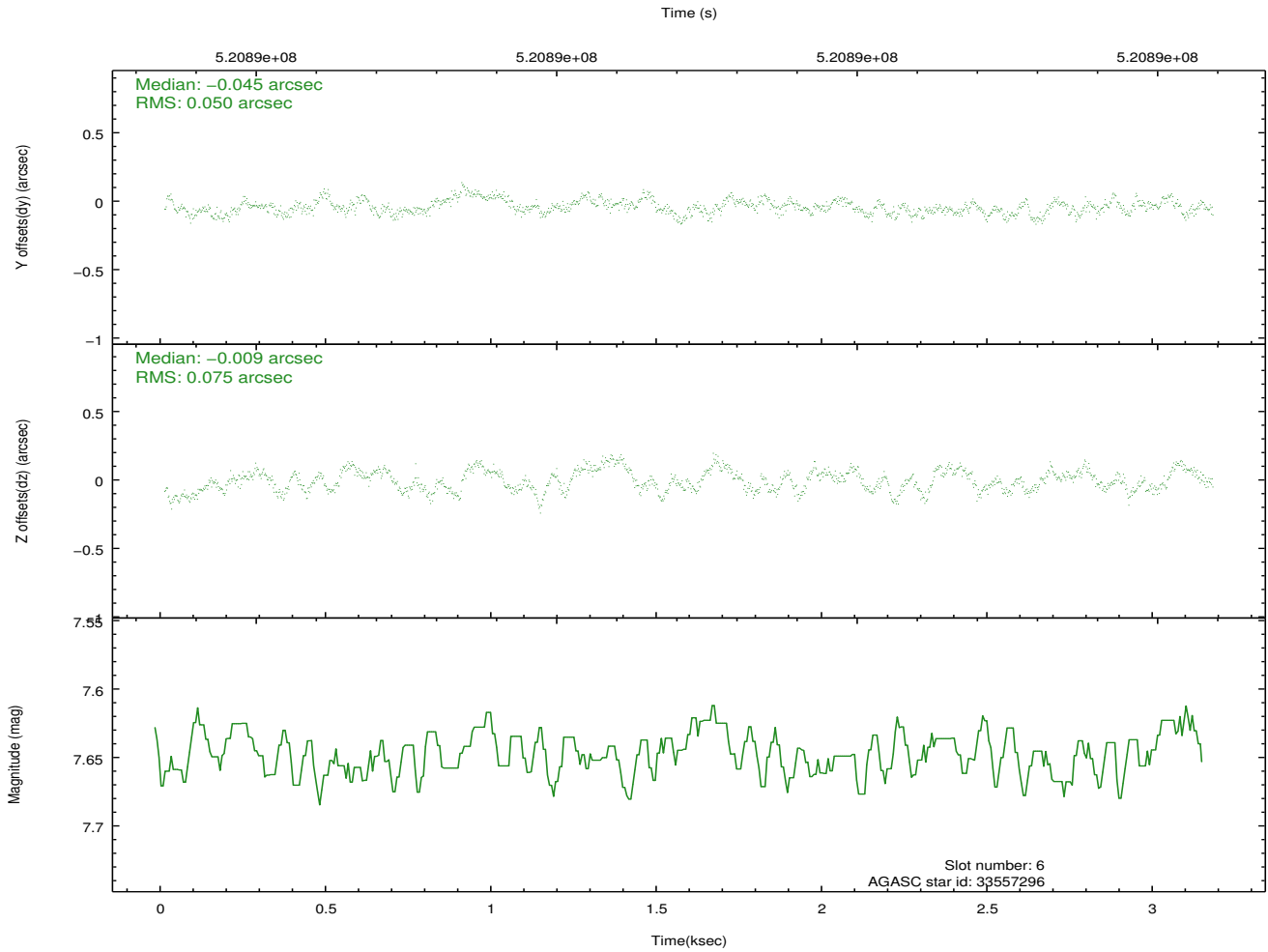
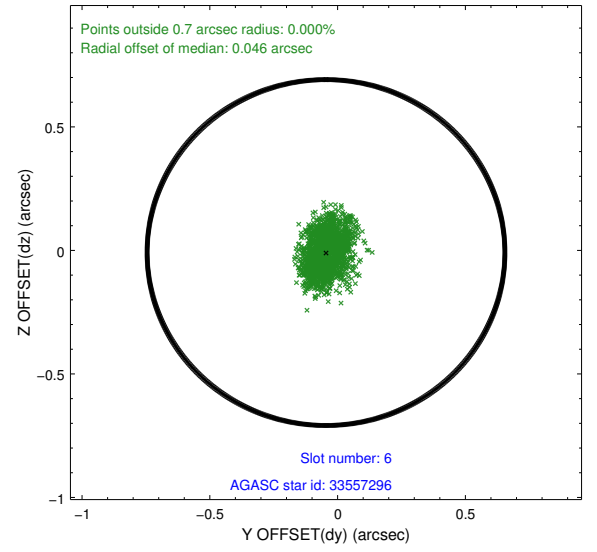
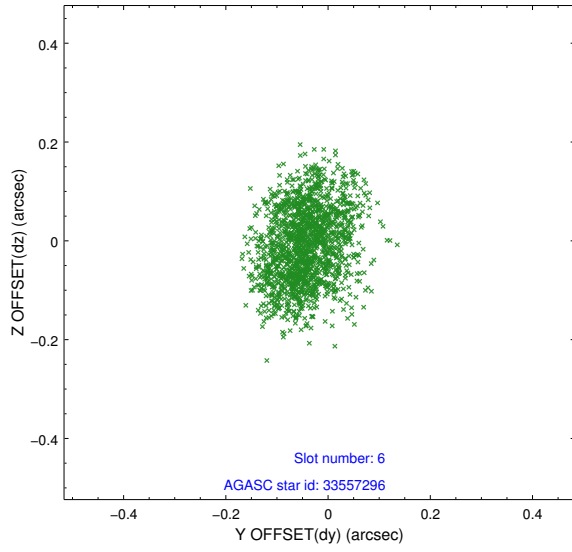
2.4.2 Slot 4



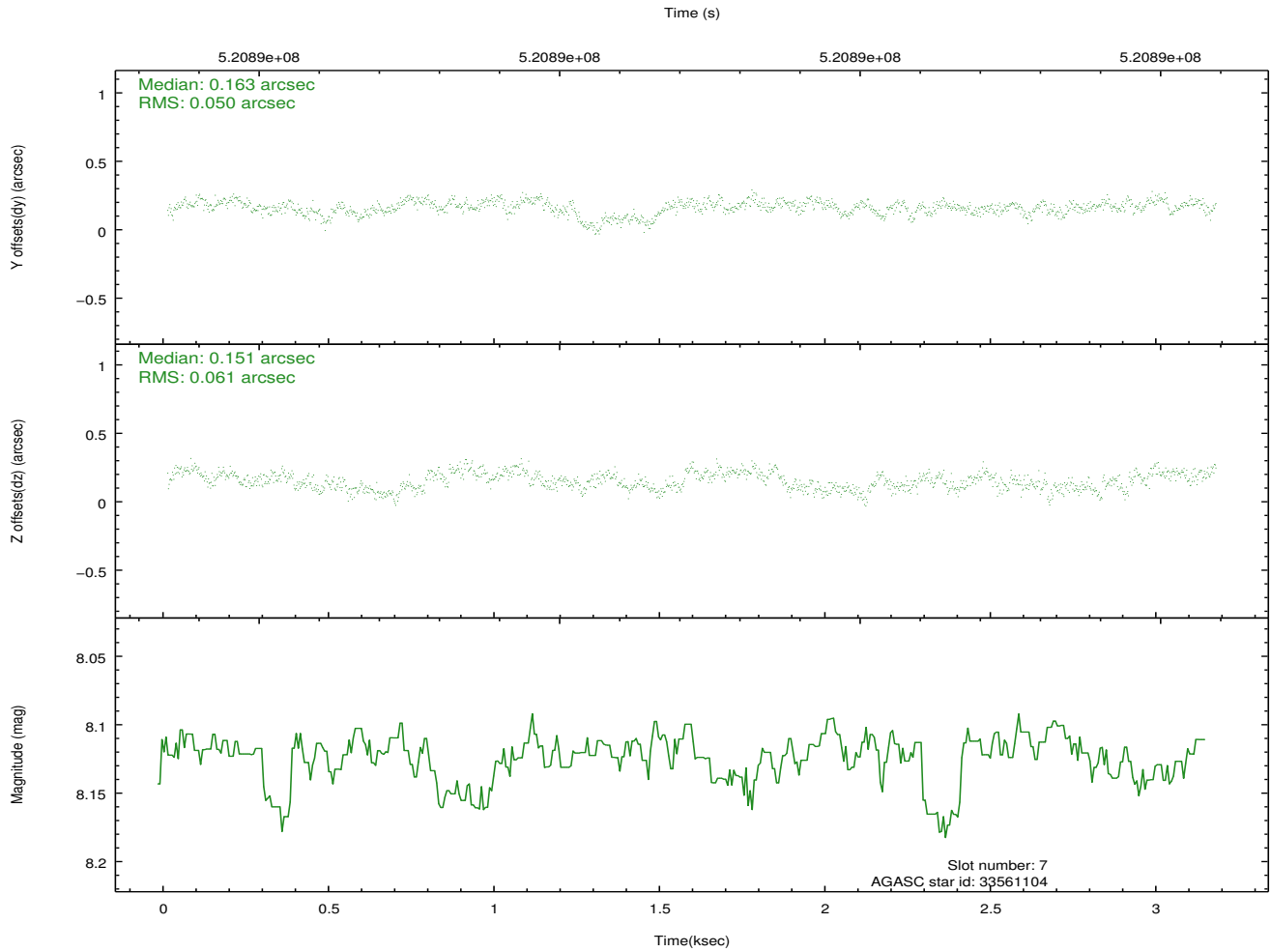
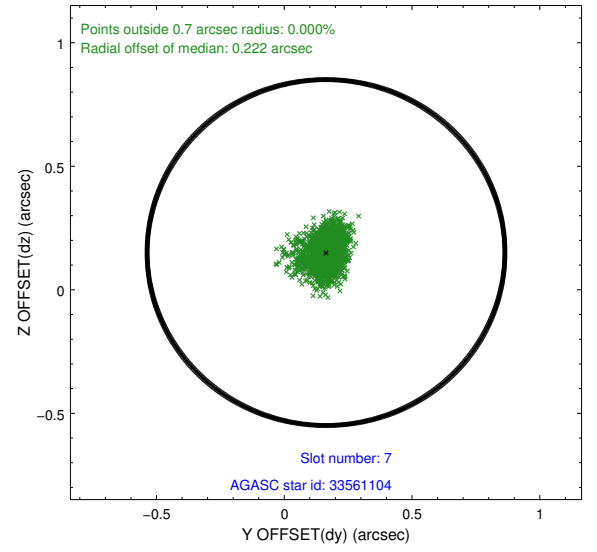
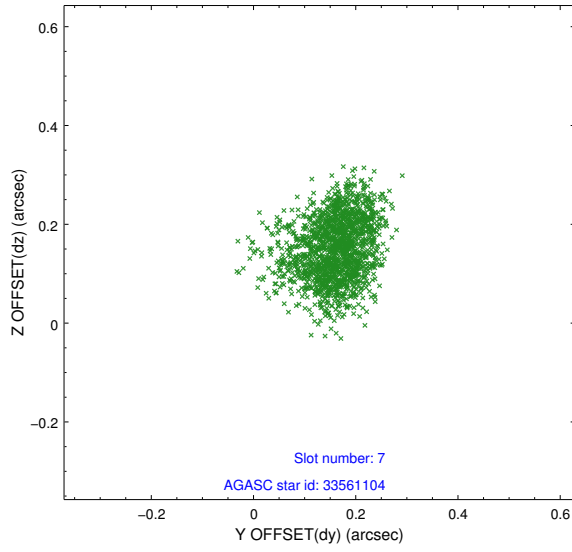
2.4.3 Slot 5



2.4.4 Slot 6

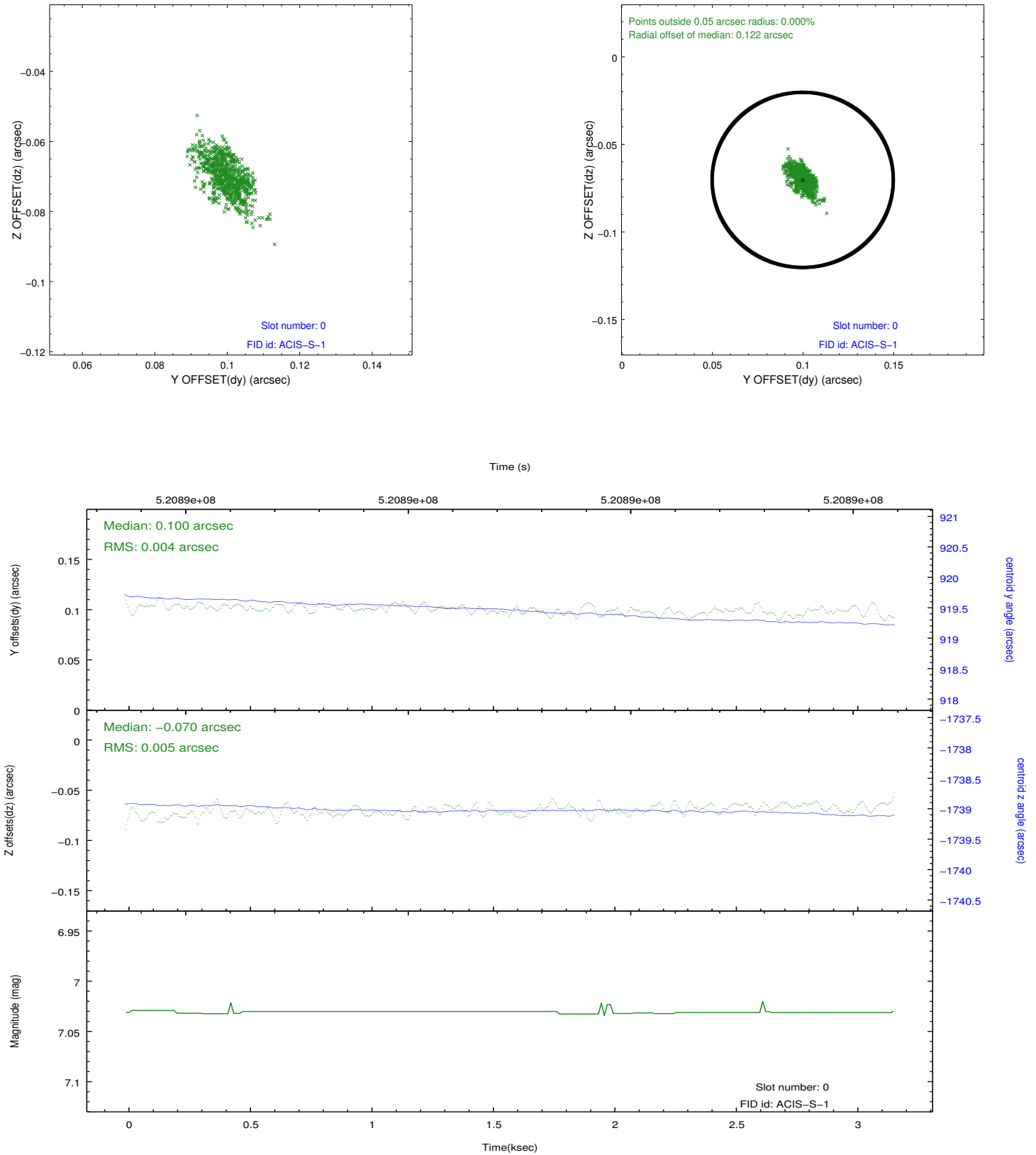


2.4.5 Slot 7

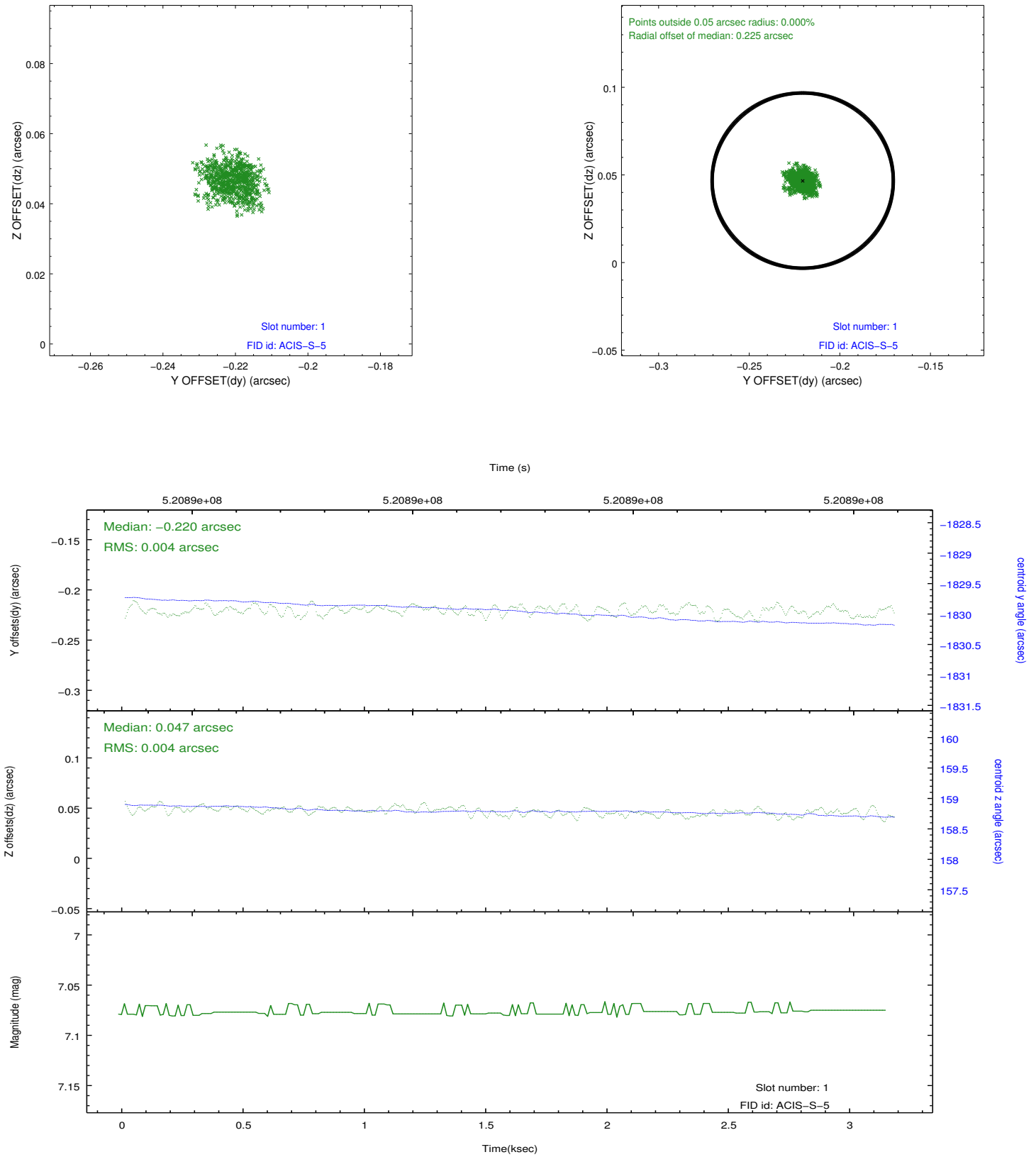


2.5 FID Slots

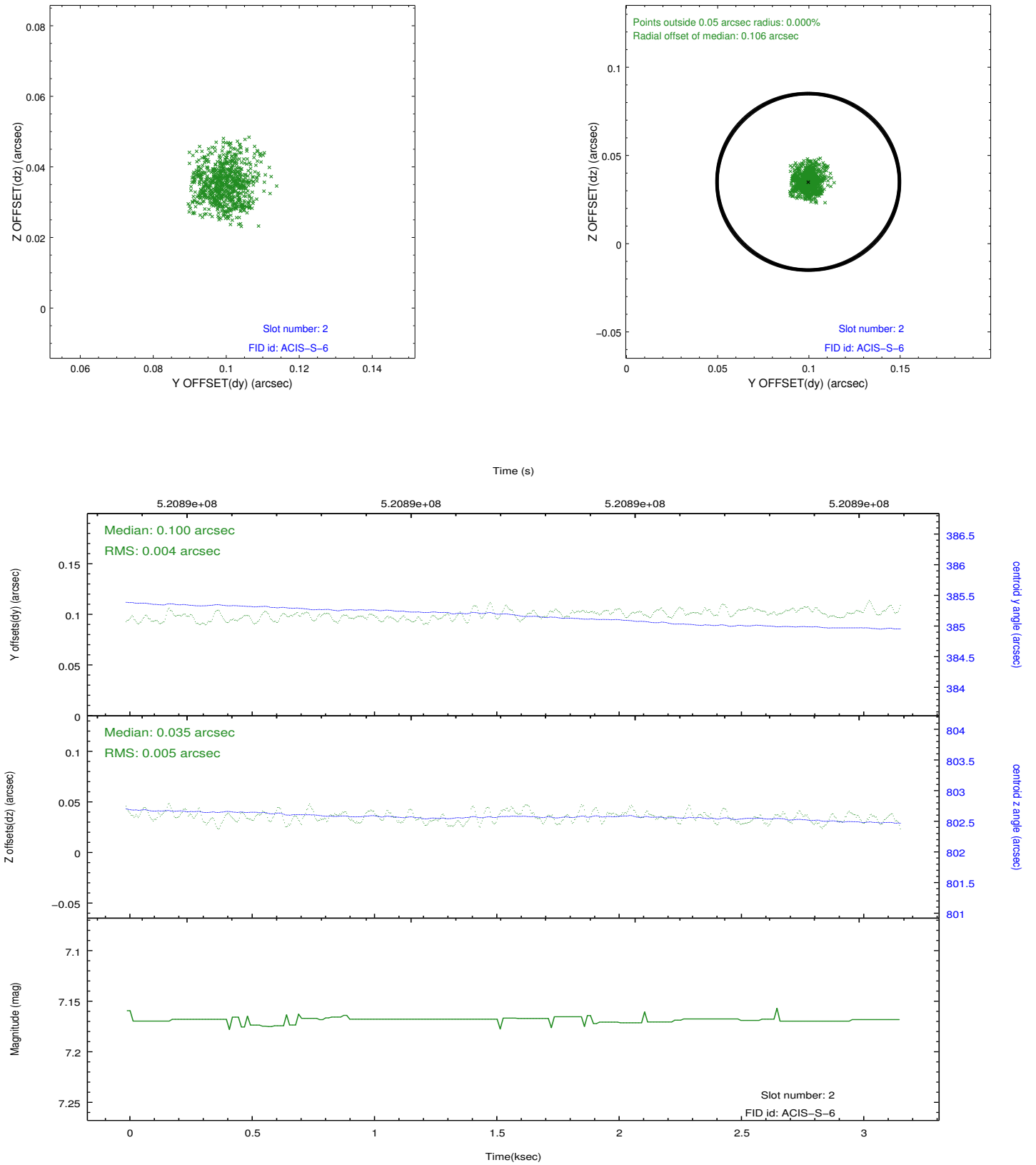
2.5.1 Slot 0



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)	2014.12.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.0703998169899

A.2 Comments

These data have been reprocessed with new aspect alignment calibration files that correct small mean offsets (up to 0.4 arcsecs) and improve overall astrometric accuracy. The new calibration was determined using data from the time period being reprocessed and was performed using cross-correlation of X-ray sources with radio and optical counterparts.