

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10655 - L2 Version 2
Chandra X-Ray Center

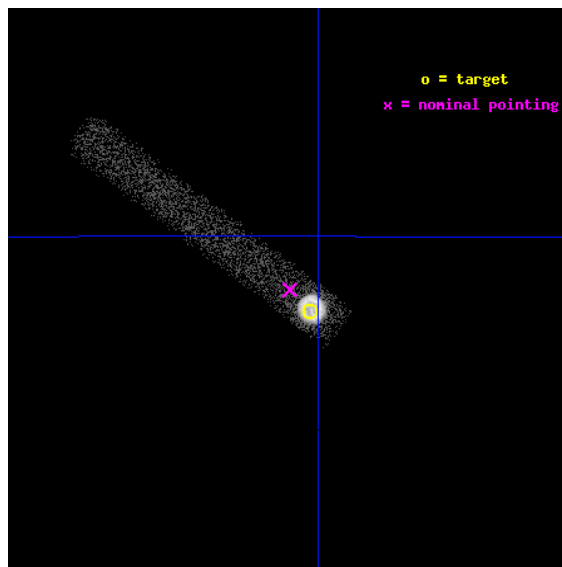
L2 Processing Date : Jun 1 2012

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1 Front

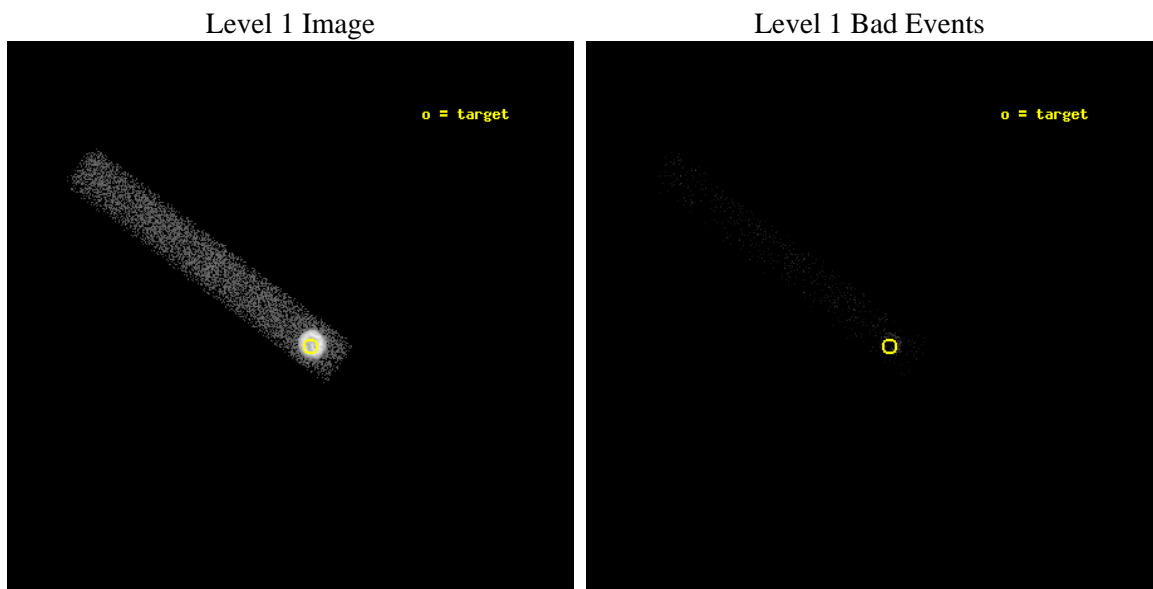
seq_num	590494	Sequence number
obs_id	10655	Observation id
title	AO-10 Calibration Observations of E0102-72	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	E0102-72[S3,-120,1,0,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	16.01	Observer's specified target RA [deg]
dec_targ	-72.032028	Observer's specified target Dec [deg]
ra_nom	16.039335169494	Nominal RA [deg]
dec_nom	-72.023181383033	Nominal Dec [deg]
roll_nom	216.98674518974	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7509.1995524168	Sum of GTIs [s]
livetime	6810.4476259902	Livetime [s]
ontime7	7509.1995524168	Sum of GTIs [s]
l2events	48416	Number of level 2 events



2 OBI

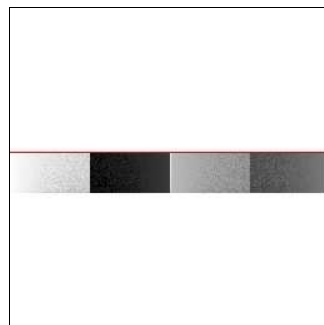
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	7509.1995524168	Sum of GTIs [s]
caldsver	4.4.9	 	ontime7	7509.1995524168	Sum of GTIs [s]
date	2012-06-01T23:22:51	Date and time of file creation	l1events	52678	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

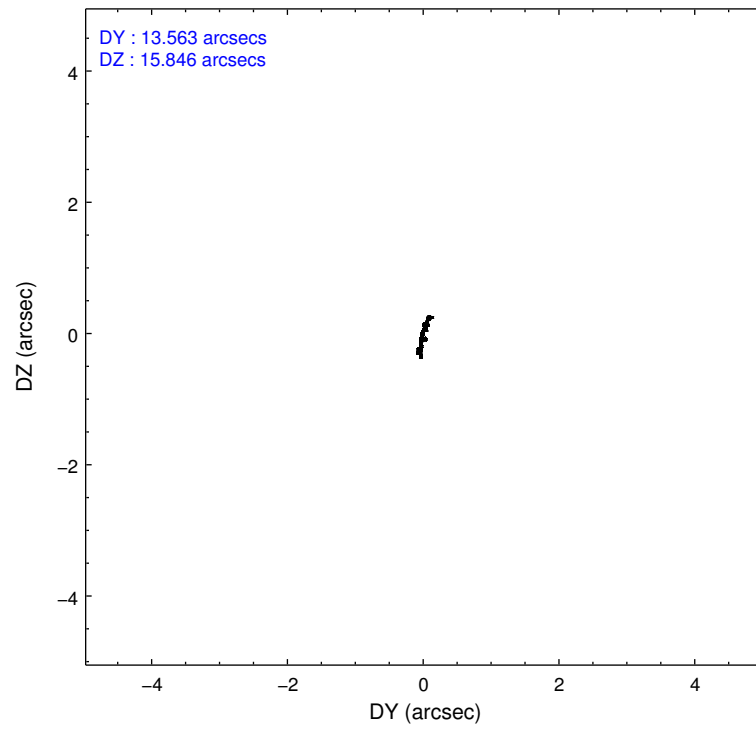
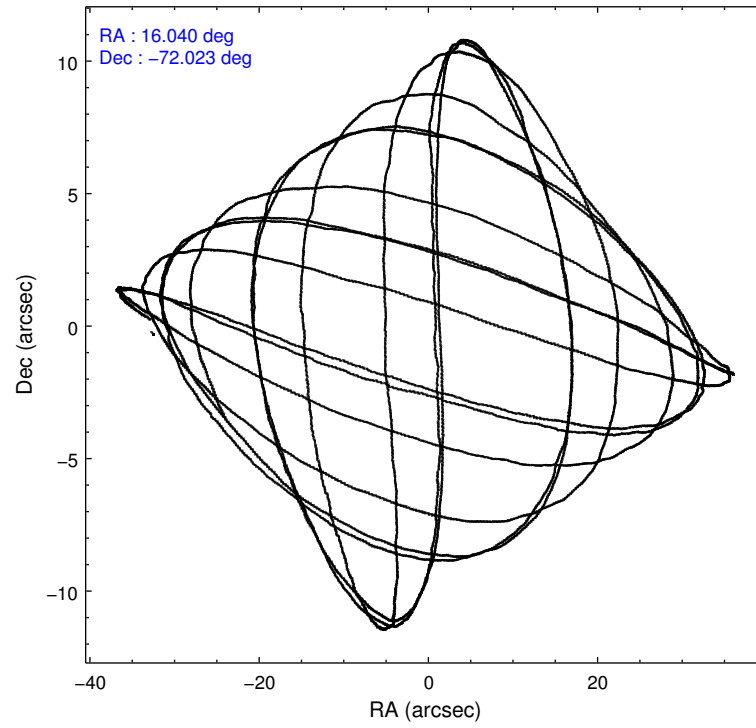
	ccd 7
level 1 events	52678
rejected events	4032
rejected %	7%

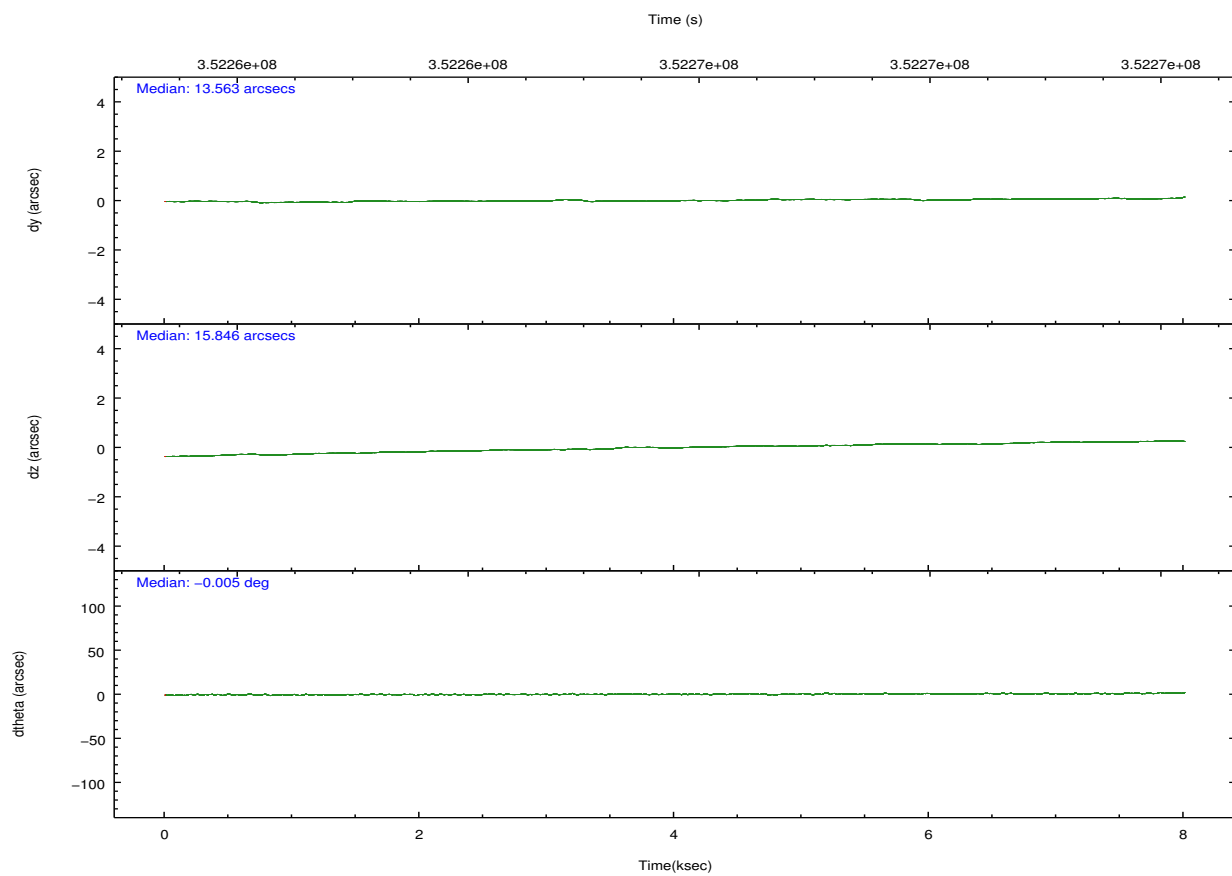
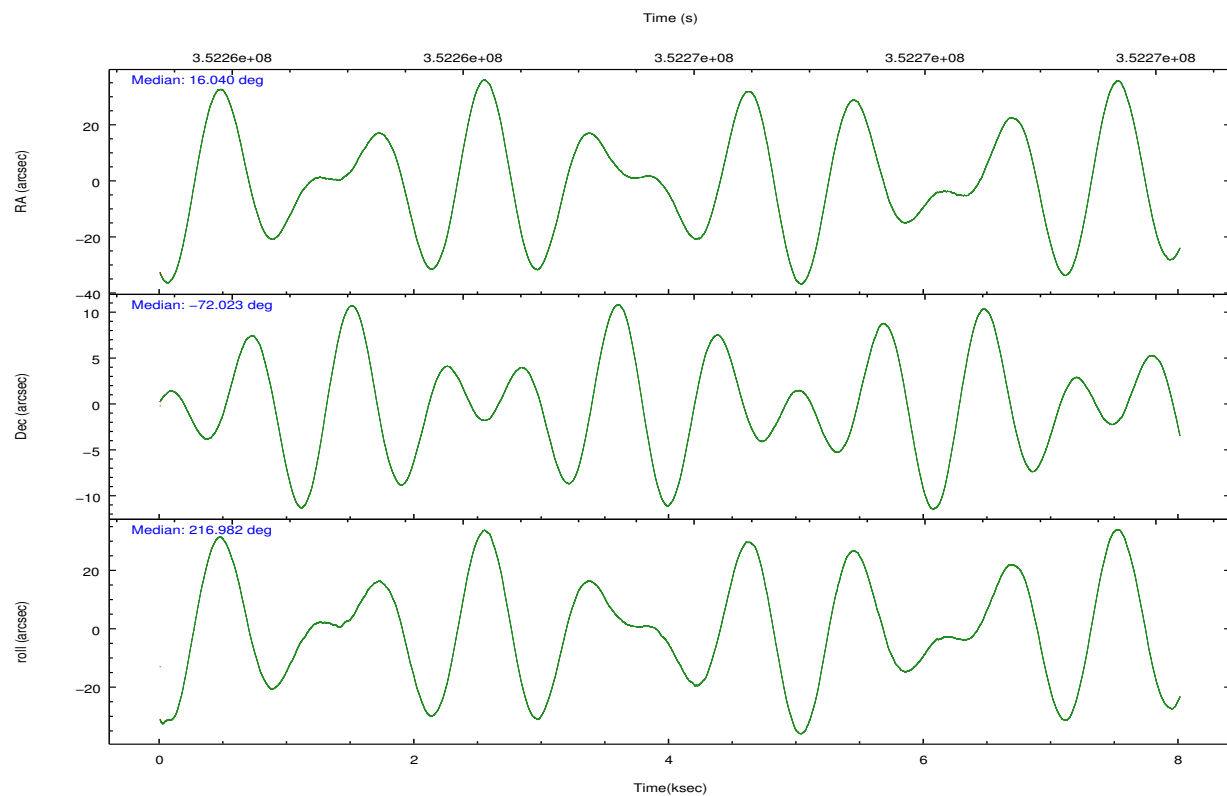
	ccd 7
grade 0 events	14049
	26%
grade 1 events	47
	0%
grade 2 events	13523
	25%
grade 3 events	6220
	11%
grade 4 events	5938
	11%
grade 5 events	1188
	2%
grade 6 events	8921
	16%
grade 7 events	2792
	5%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	16.072909	16.03933516949422	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-71.997898	-72.02318138303265	Subarray start row	433	433
[deg] Pointing Roll	216.862056	216.9867451897428	Subarray row count	128	128
[s] Window start time (MET)	344476865.184000	344476865.184000	Alternating exposures requested	N	N
[s] Window stop time (MET)	357436866.184000	357436866.184000	[s] Primary exposure time	0.000000	0.4
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.145094680475			
[mm] SIM translation stage offset	0	0.01257209746719923			
[s] Observation start time (MET)	352262307.184000	352261610.28816			
Observation start date	2009-03-01T02:37:21	2009-03-01T02:26:50			
[s] Observation end time (MET)	352269807.184000	352270651.30111			
Observation end date	2009-03-01T04:42:21	2009-03-01T04:57:31			
Read mode	TIMED	TIMED			

2.3 Aspect



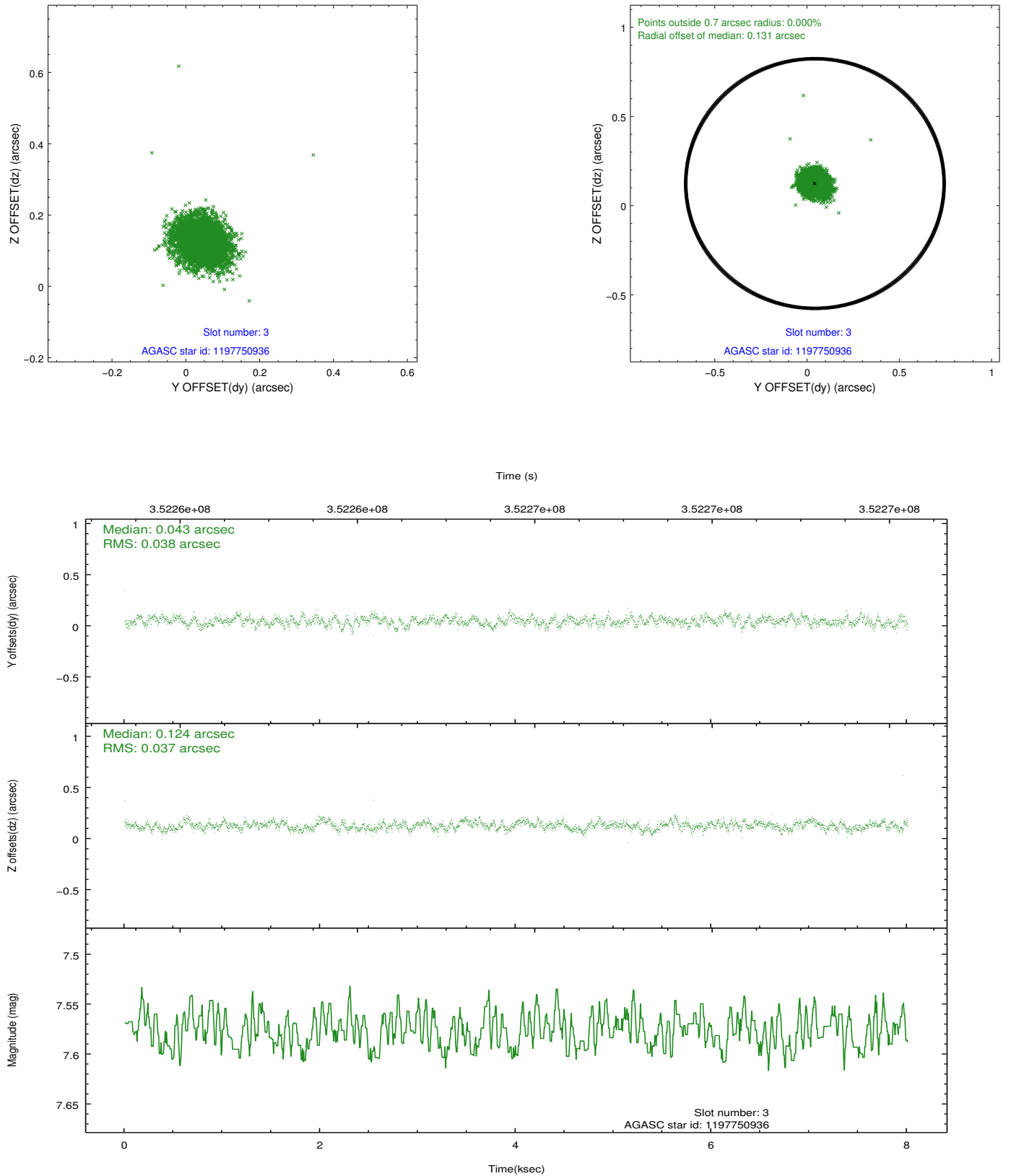


Slot Statistics

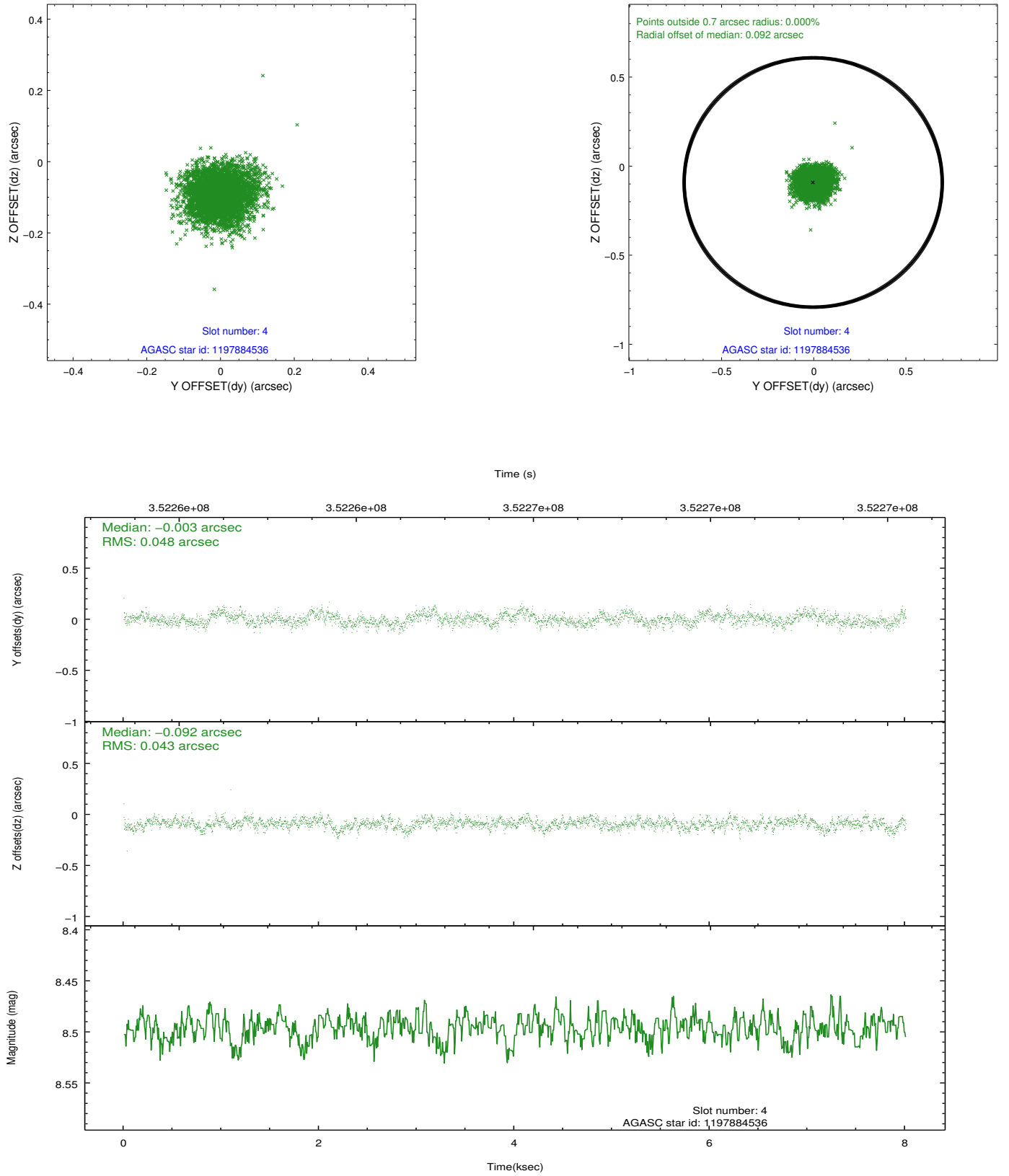
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.94	1954	-0.058	-0.022	0.007	0.011	0.000000	0.000000	-766.54	-1737.15
1	FID	ACIS-S-4	7.03	1954	0.194	0.034	0.006	0.010	0.000000	0.000000	2146.65	170.69
2	FID	ACIS-S-5	7.06	1954	-0.167	-0.004	0.007	0.012	0.000000	0.000000	-1818.61	165.08
3	GUIDE	1197750936	7.58	3906	0.043	0.124	0.056	0.089	15.387940	-71.549550	-340.48	-1755.26
4	GUIDE	1197884536	8.50	3905	-0.003	-0.092	0.068	0.112	17.160729	-71.835289	-1321.01	272.40
5	GUIDE	1197884712	8.29	3904	-0.019	-0.071	0.077	0.121	16.087398	-72.252690	537.50	743.79
6	GUIDE	1197885328	7.25	3904	0.124	0.172	0.070	0.105	16.283090	-71.733943	-759.85	-616.89
7	GUIDE	1198189696	7.37	3902	-0.140	-0.138	0.111	0.155	15.223750	-72.697522	2242.07	1475.27

2.4 Star Slots

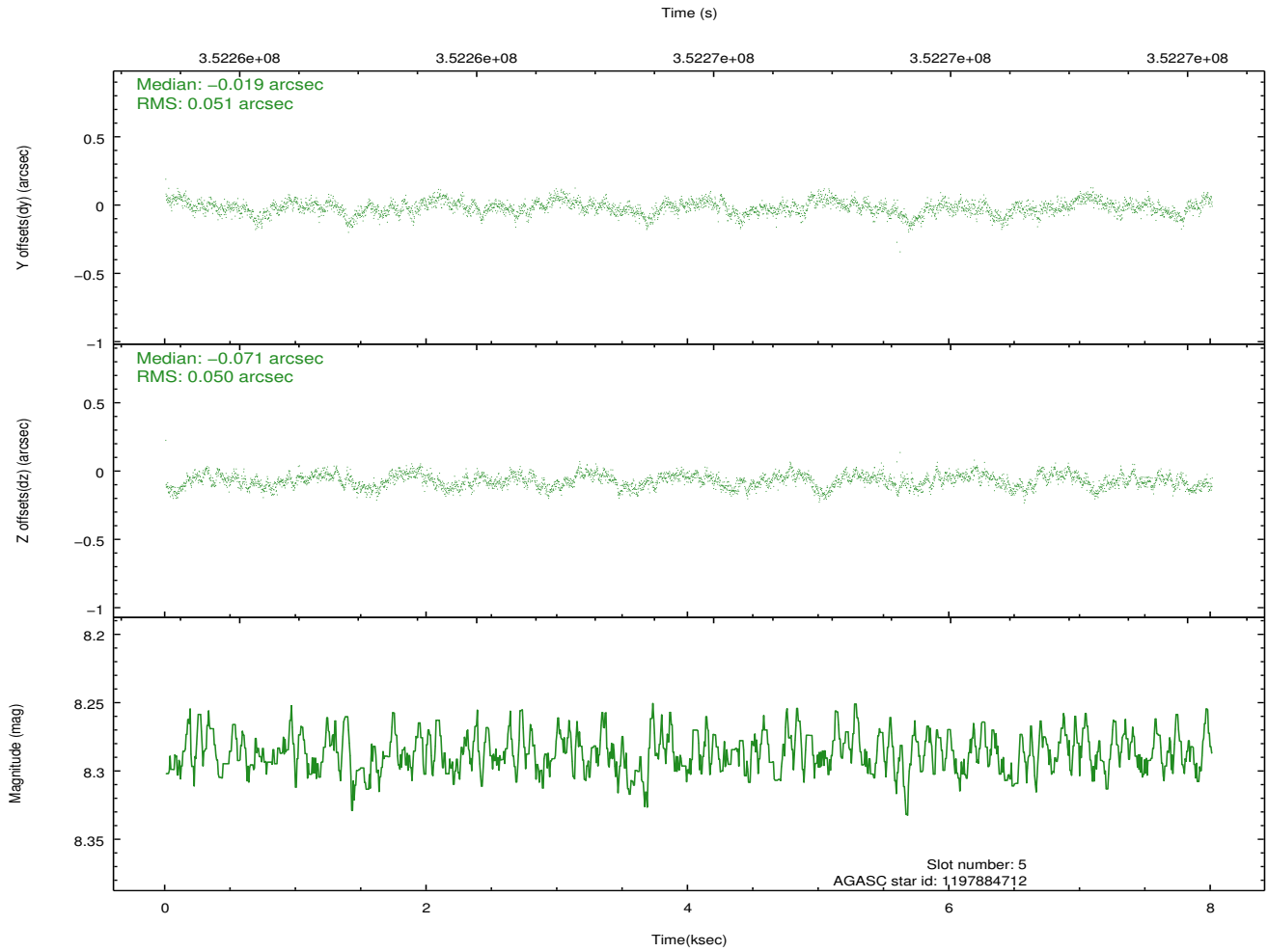
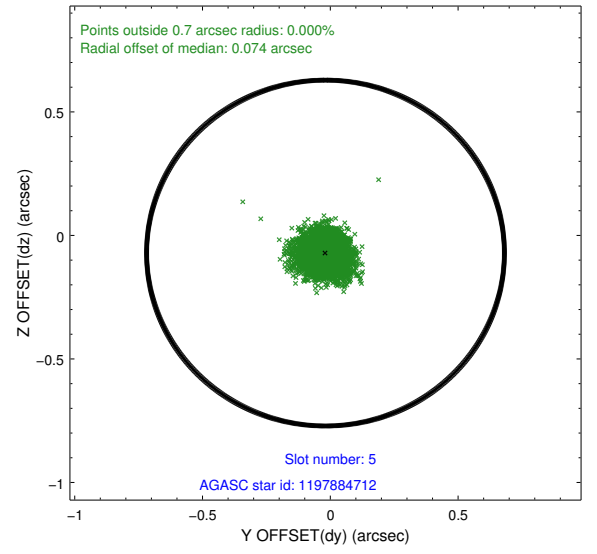
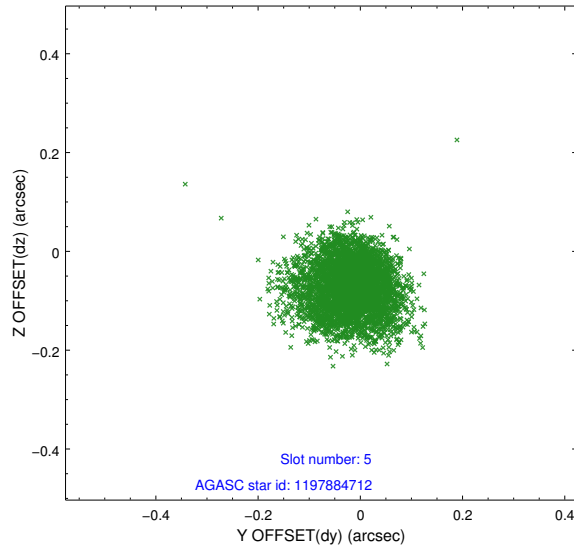
2.4.1 Slot 3



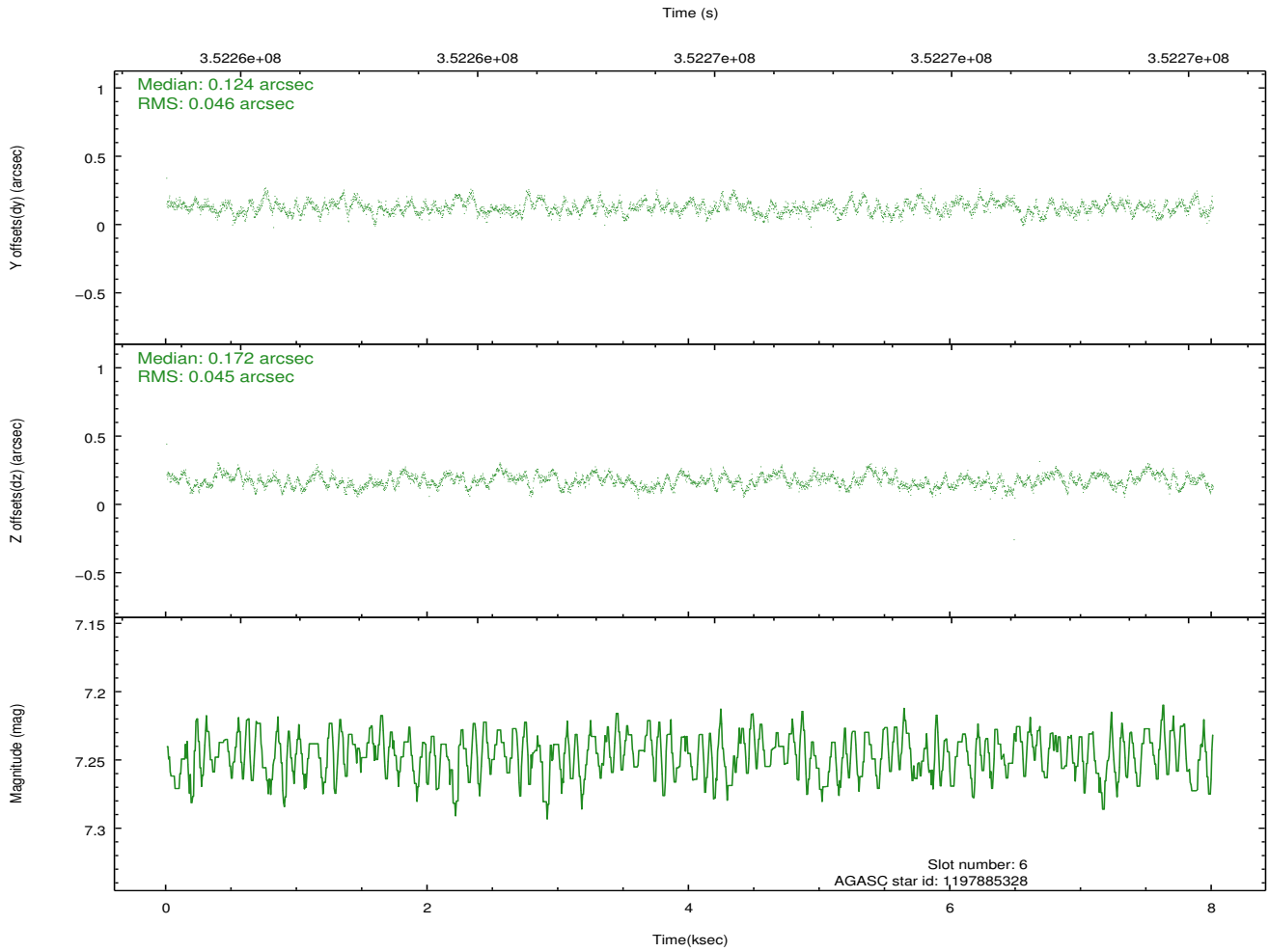
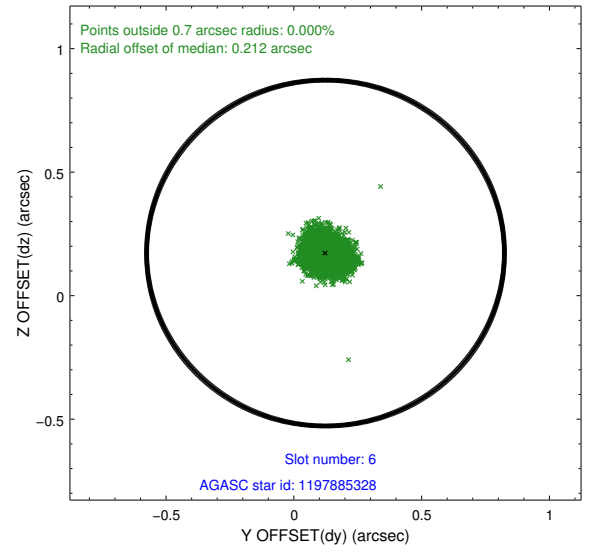
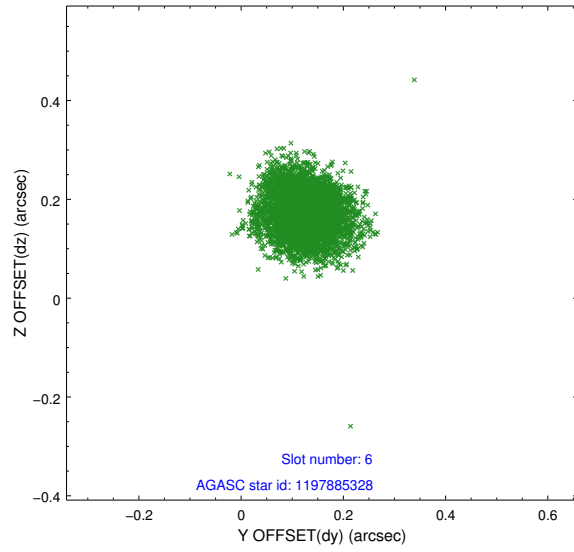
2.4.2 Slot 4



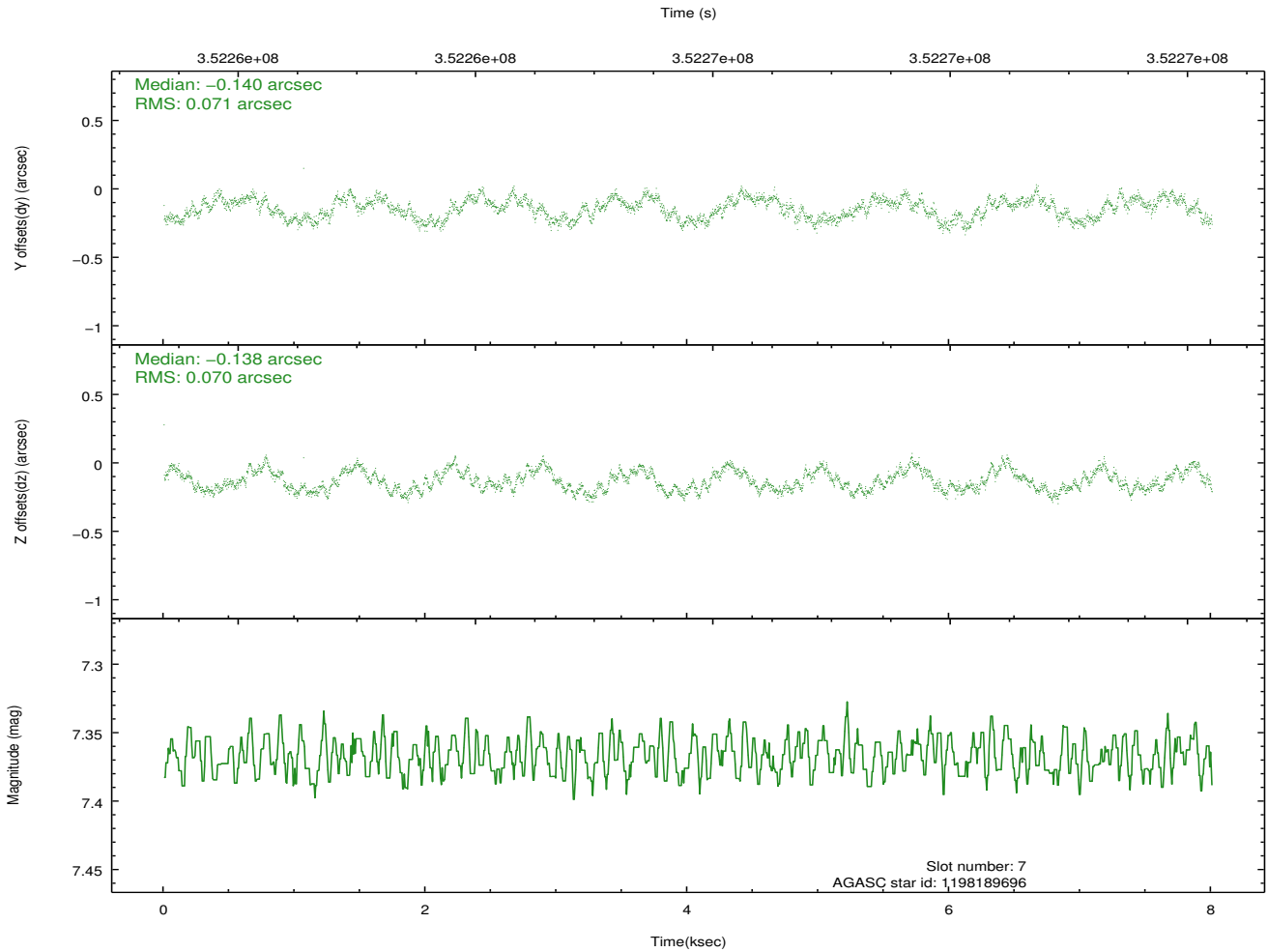
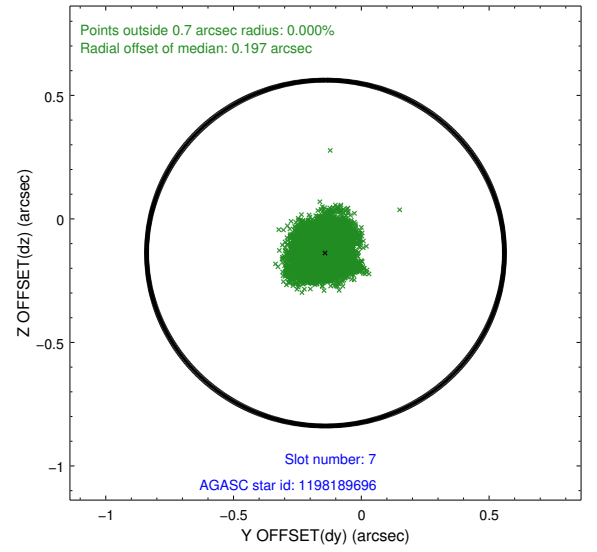
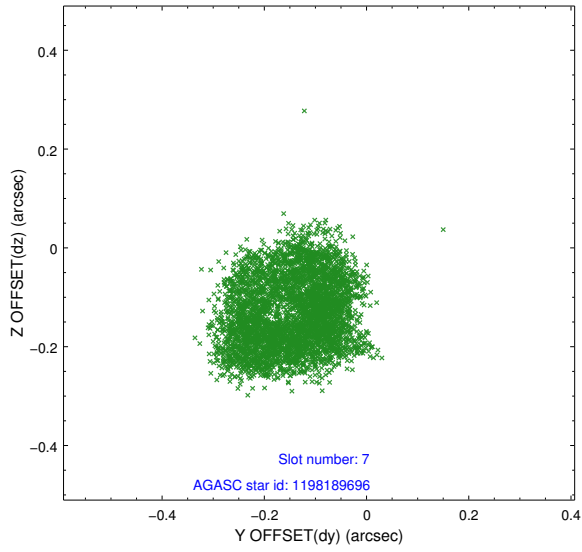
2.4.3 Slot 5



2.4.4 Slot 6

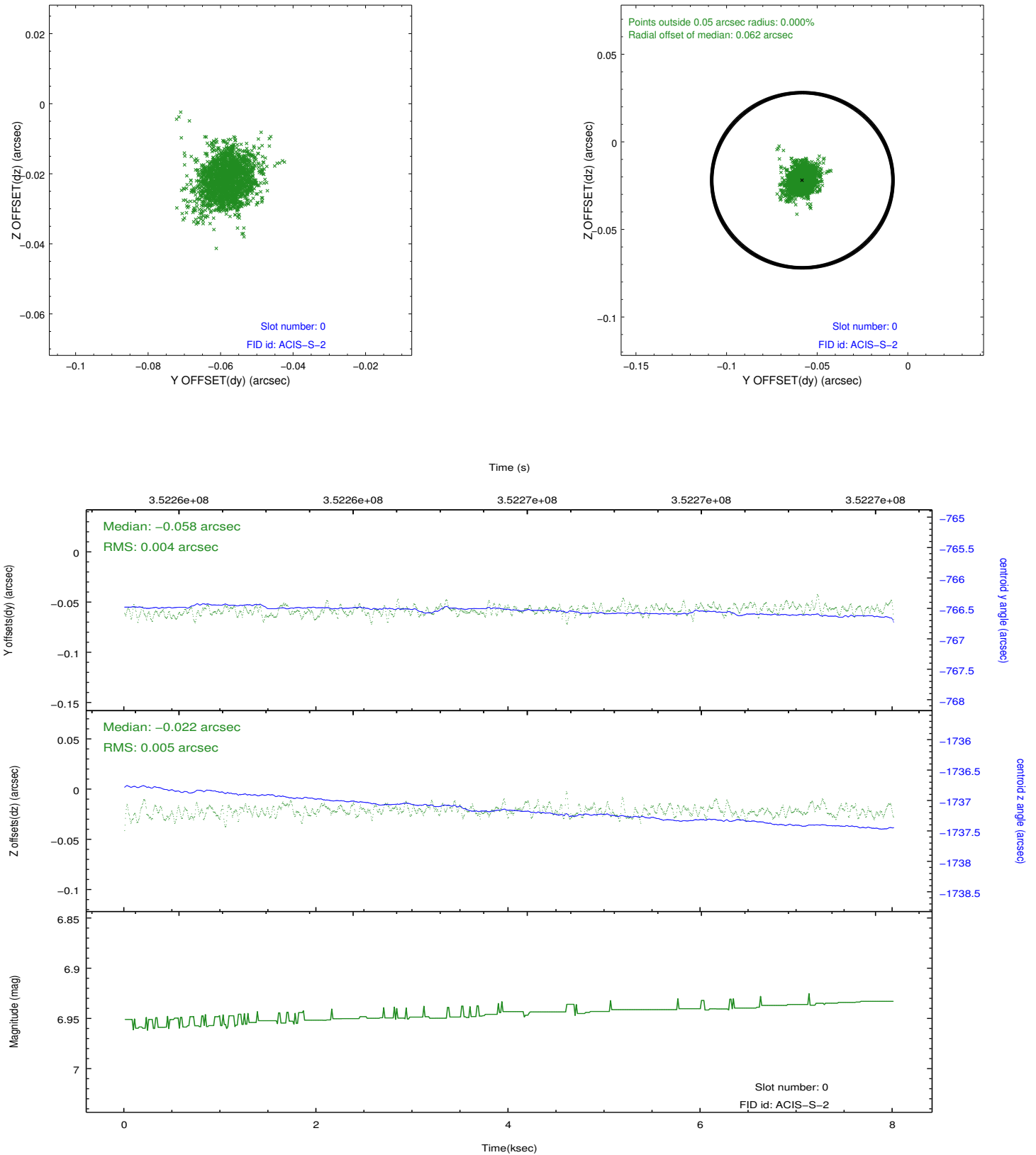


2.4.5 Slot 7

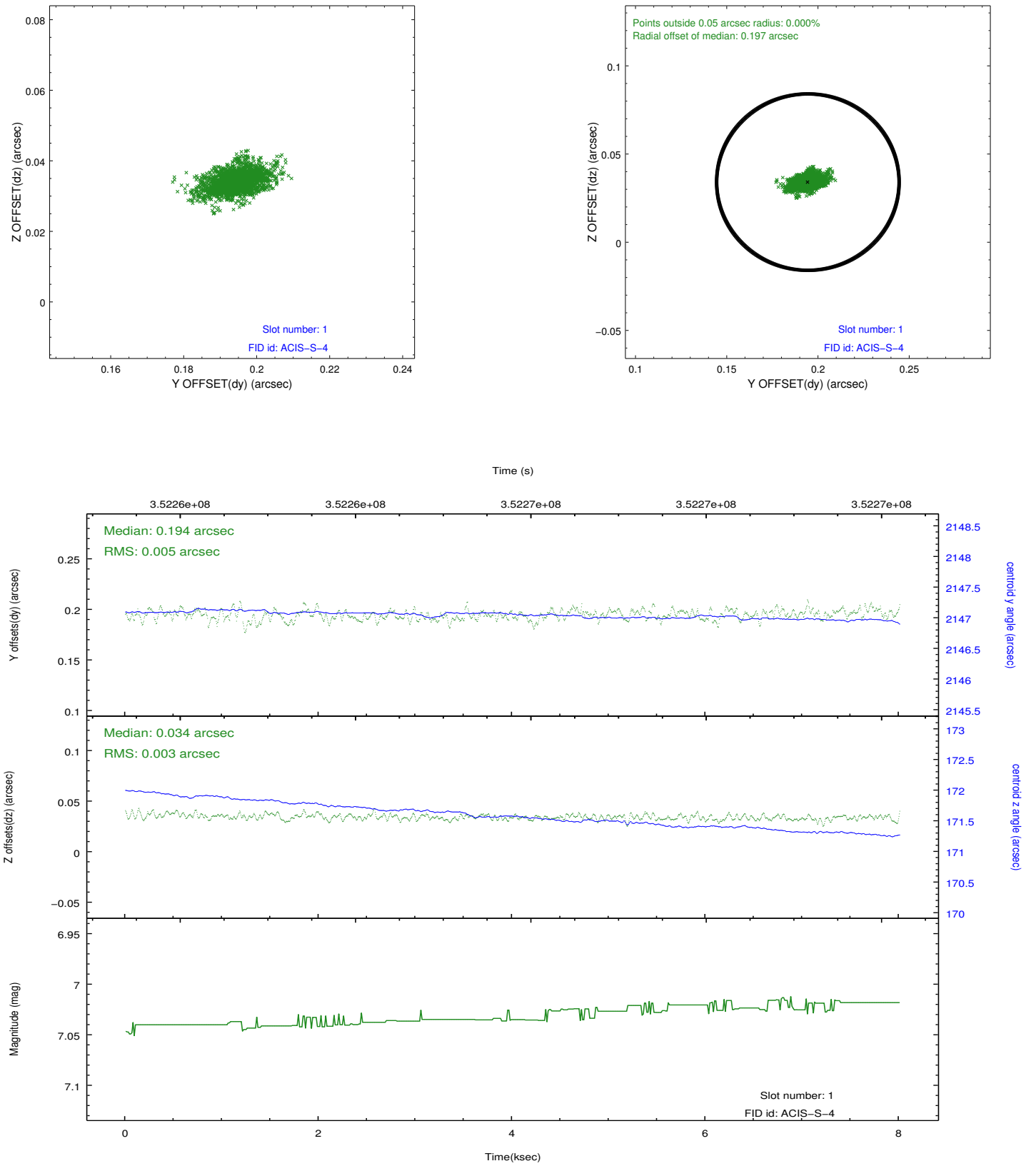


2.5 FID Slots

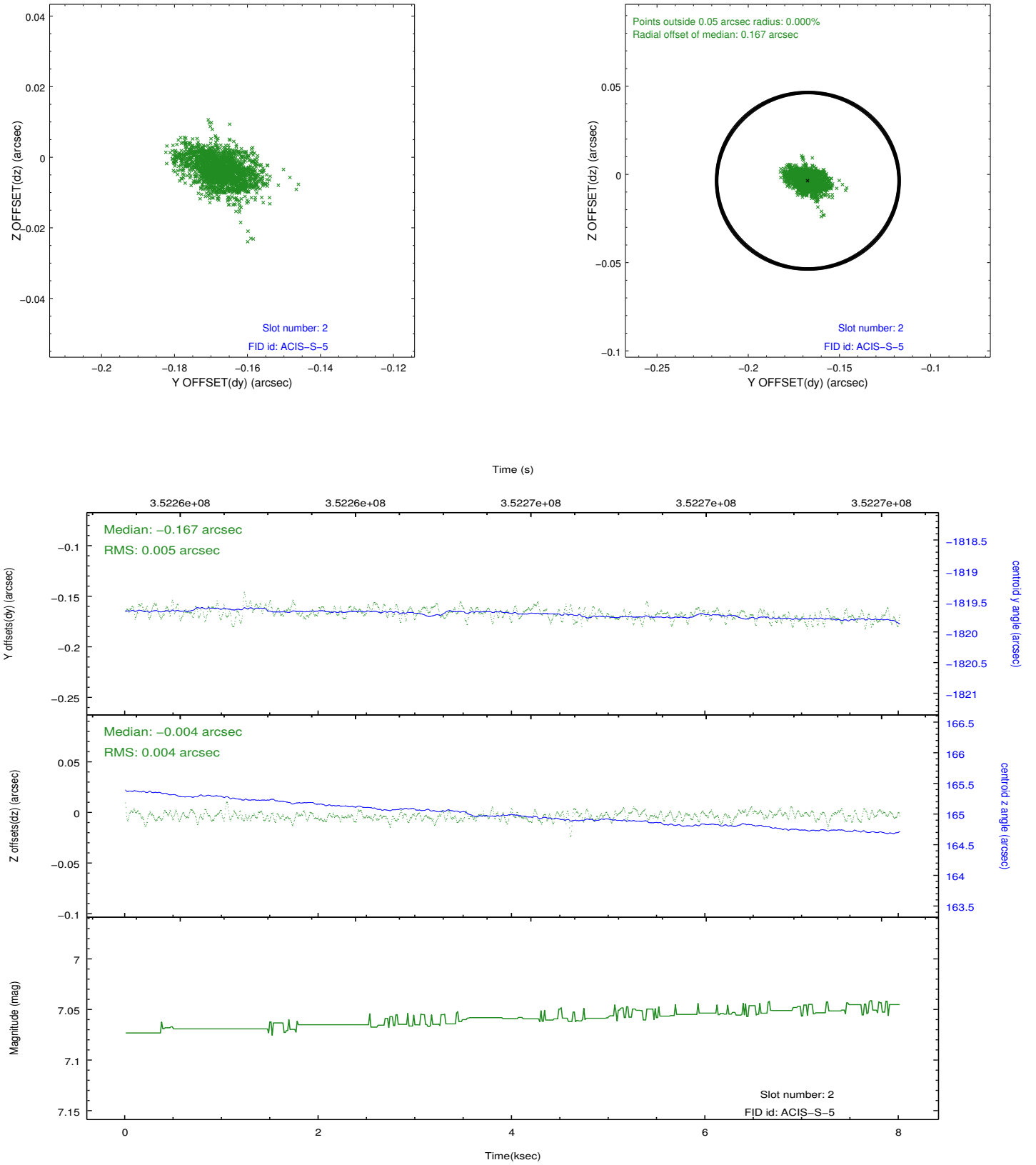
2.5.1 Slot 0



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)	2012.06.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.50919955

A.2 Comments

Window constraint met.