

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9778 - L2 Version 2
Chandra X-Ray Center

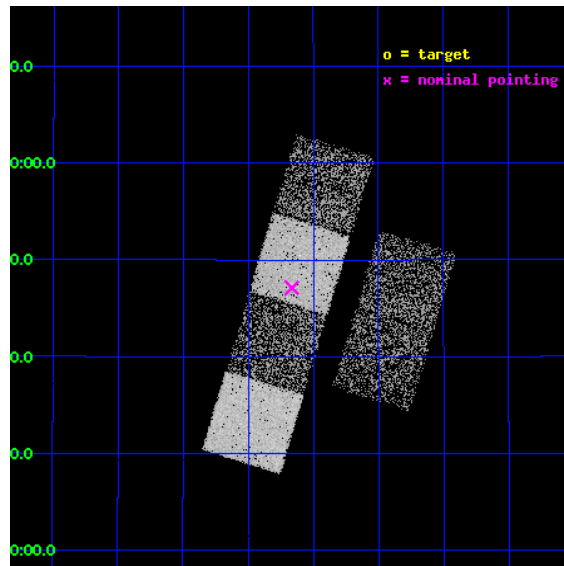
L2 Processing Date : May 7 2012

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1 Front

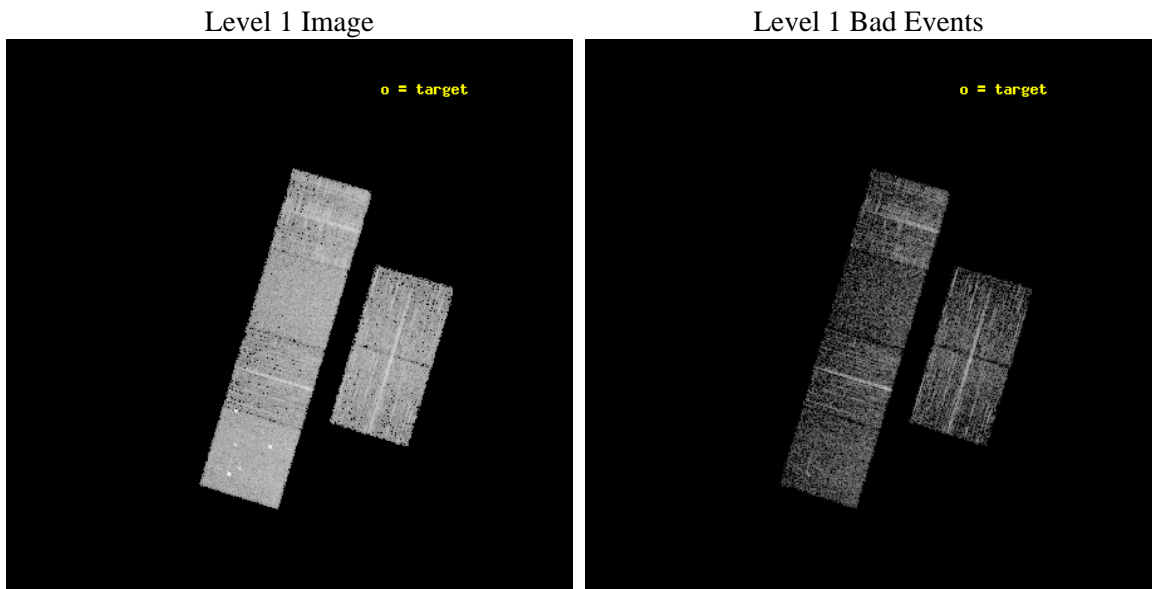
seq_num	100070	Sequence number
obs_id	9778	Observation id
title	High Resolution Imaging and Spectroscopy of 8P/Tuttle	Proposal tit
observer	Dr Damian Christian	Principal investigator
object	8P/Tuttle (2008)	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	24.054167	Observer's specified target RA [deg]
dec_targ	26.219722	Observer's specified target Dec [deg]
ra_nom	24.291142242521	Nominal RA [deg]
dec_nom	24.785265047387	Nominal Dec [deg]
roll_nom	286.76629164738	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3045.1724916101	Sum of GTIs [s]
livetime	3006.6126839385	Livetime [s]
ontime2	3045.2135316133	Sum of GTIs [s]
ontime3	3045.0493716002	Sum of GTIs [s]
ontime5	3045.1314516068	Sum of GTIs [s]
ontime6	3045.0904116035	Sum of GTIs [s]
ontime7	3045.1724916101	Sum of GTIs [s]
ontime8	3045.0083315969	Sum of GTIs [s]
l2events	38520	Number of level 2 events



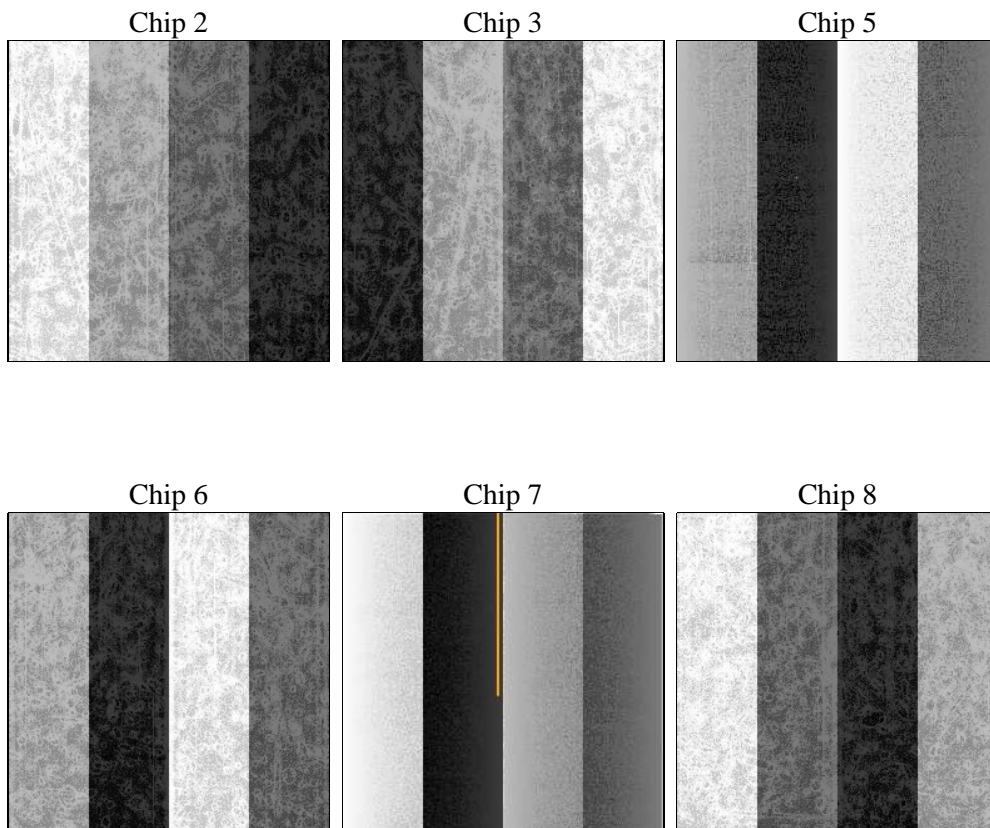
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	3045.1724916101	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	3045.2135316133	Sum of GTIs [s]
date	2012-05-07T14:09:34	Date and time of file creation	ontime3	3045.0493716002	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	3045.1314516068	Sum of GTIs [s]
			ontime6	3045.0904116035	Sum of GTIs [s]
			ontime7	3045.1724916101	Sum of GTIs [s]
			ontime8	3045.0083315969	Sum of GTIs [s]
			l1events	181186	Number of level 1 events

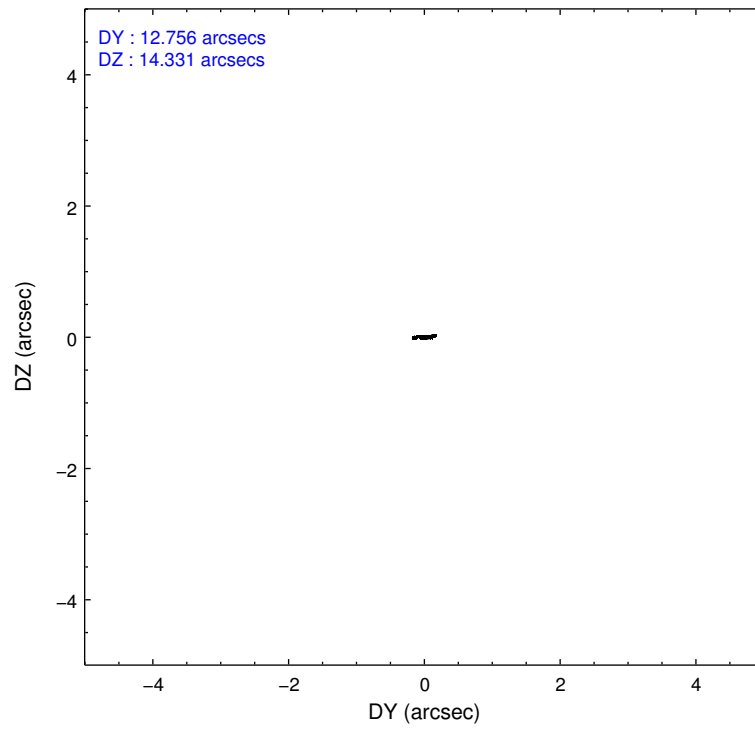
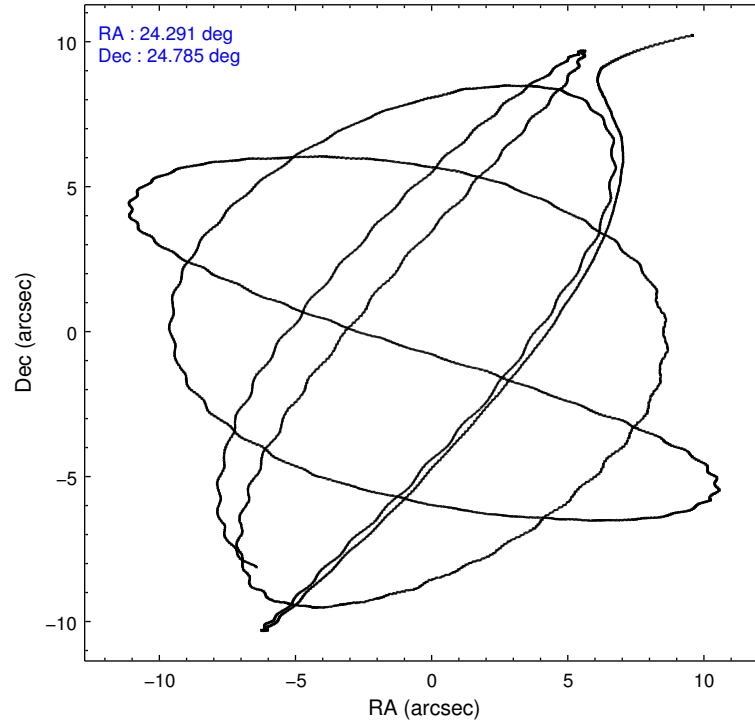
2.1.4 Events

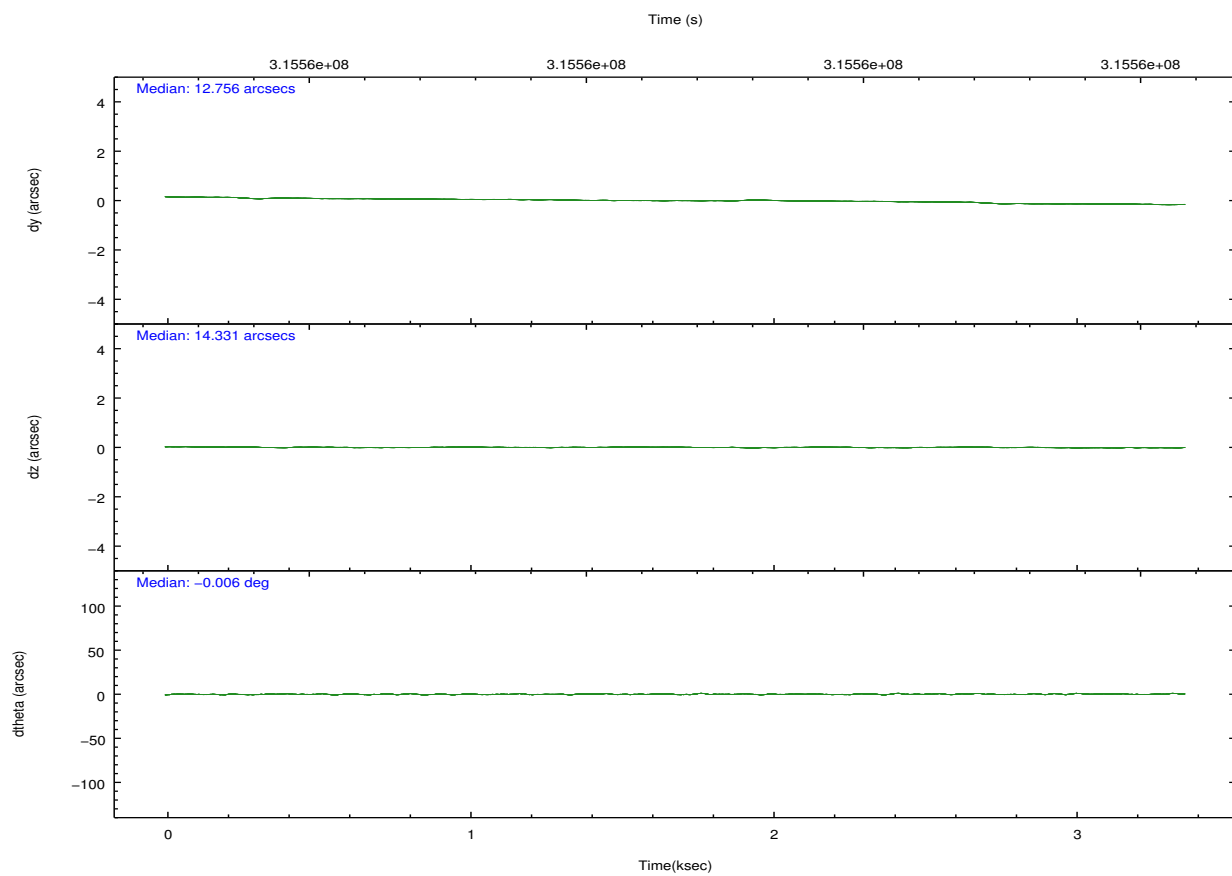
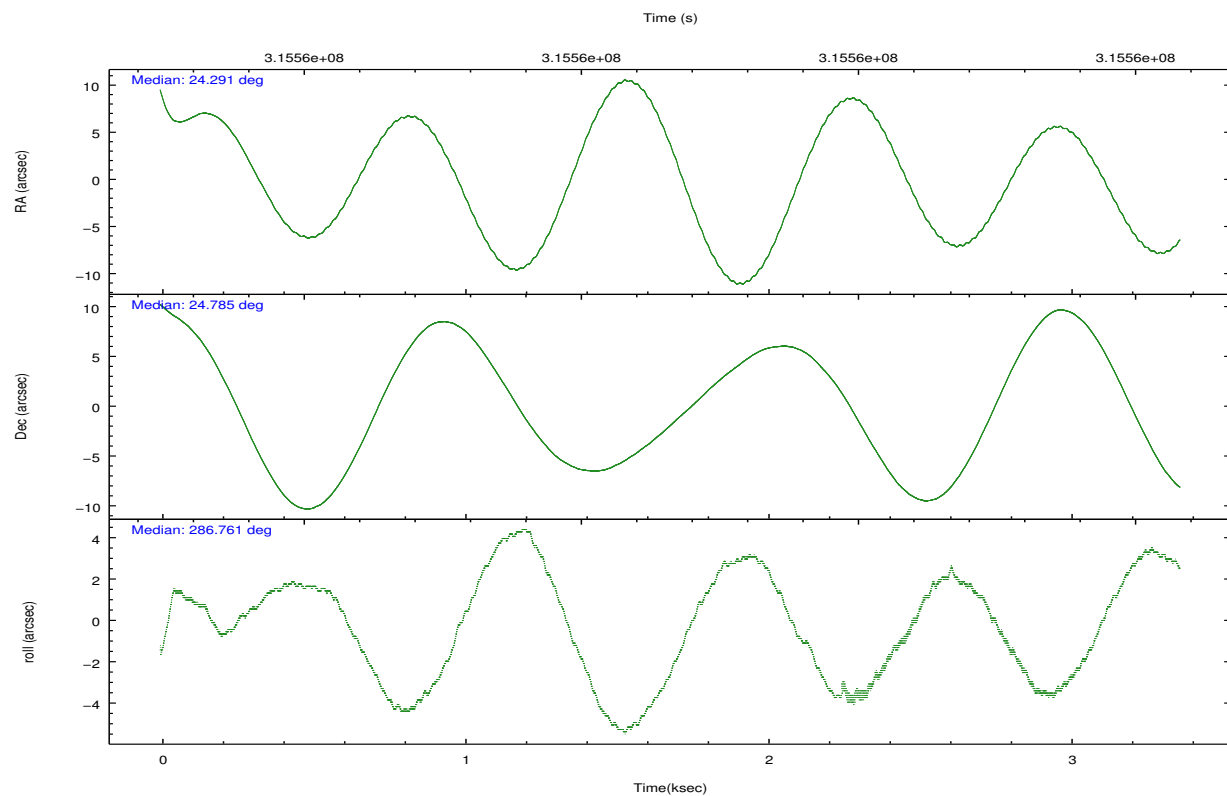
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	28370	25231	37985	26003	30095	33502	grade 0 events	913	873	2982	1021	1756	2271
rejected events	25919	22865	19264	23269	16383	26298		3%	3%	7%	3%	5%	6%
rejected %	91%	90%	50%	89%	54%	78%	grade 1 events	21	12	153	11	39	22
								0%	0%	0%	0%	0%	0%
							grade 2 events	635	550	5699	622	2775	1692
								2%	2%	15%	2%	9%	5%
							grade 3 events	263	282	753	281	1327	780
								0%	1%	1%	1%	4%	2%
							grade 4 events	274	272	705	300	1305	759
								0%	1%	1%	1%	4%	2%
							grade 5 events	914	1016	2853	1065	3029	1474
								3%	4%	7%	4%	10%	4%
							grade 6 events	481	508	9390	622	7178	1932
								1%	2%	24%	2%	23%	5%
							grade 7 events	24869	21718	15450	22081	12686	24572
								87%	86%	40%	84%	42%	73%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	24.268838	24.2911422425207	Subarray requested	NONE	NONE
[deg] Pointing Dec	24.803630	24.78526504738661	Alternating exposures requested	N	N
[deg] Pointing Roll	286.619014	286.7662916473753	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	314928065.184000	314928065.184000			
[s] Window stop time (MET)	316828805.184000	316828805.184000			
[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)	315560997.184000	315559897.52919			
Observation start date	2008-01-01T07:48:52	2008-01-01T07:31:37			
[s] Observation end time (MET)	315563997.184000	315564130.7794			
Observation end date	2008-01-01T08:38:52	2008-01-01T08:42:10			
Read mode	TIMED	TIMED			

2.3 Aspect



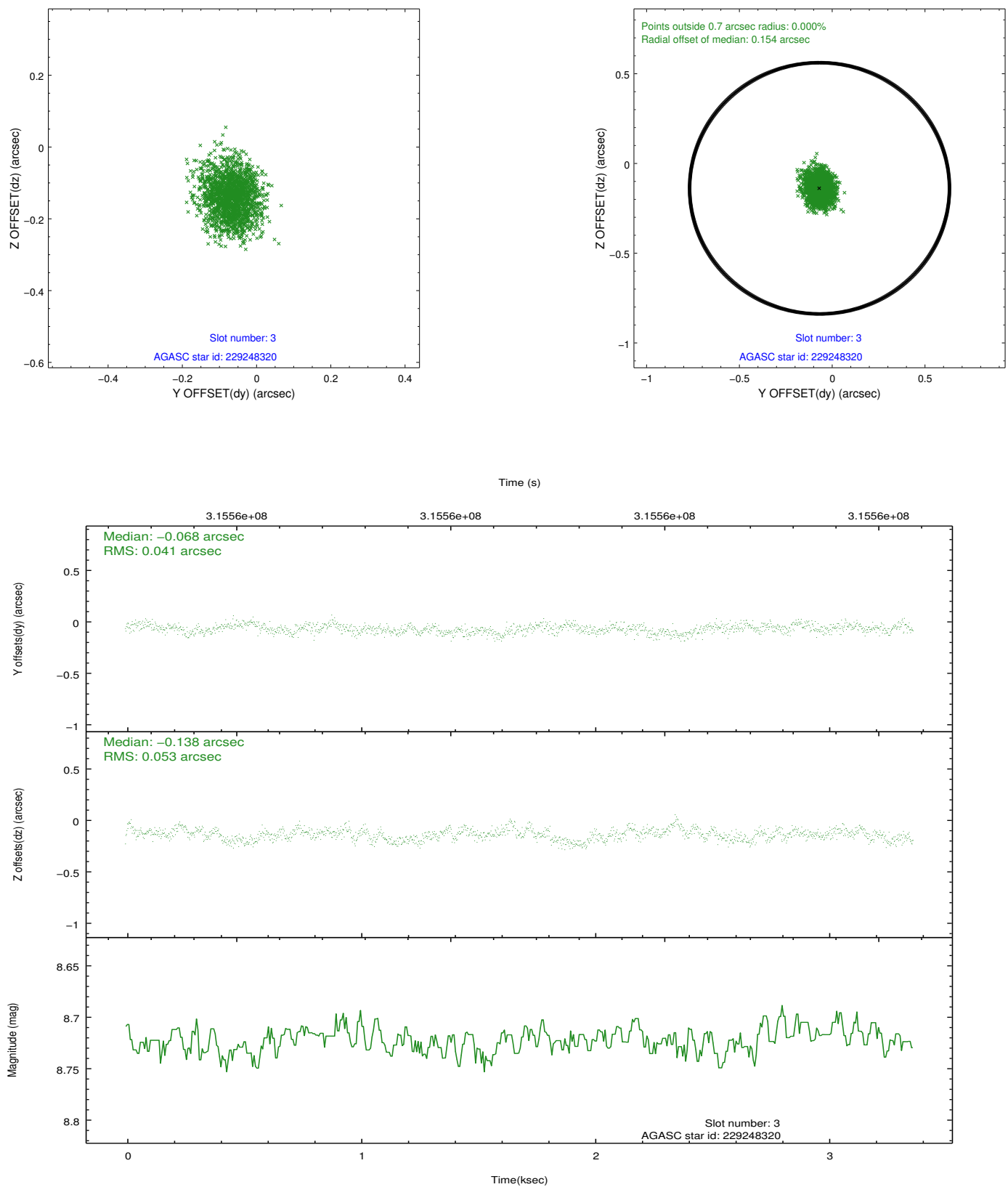


Slot Statistics

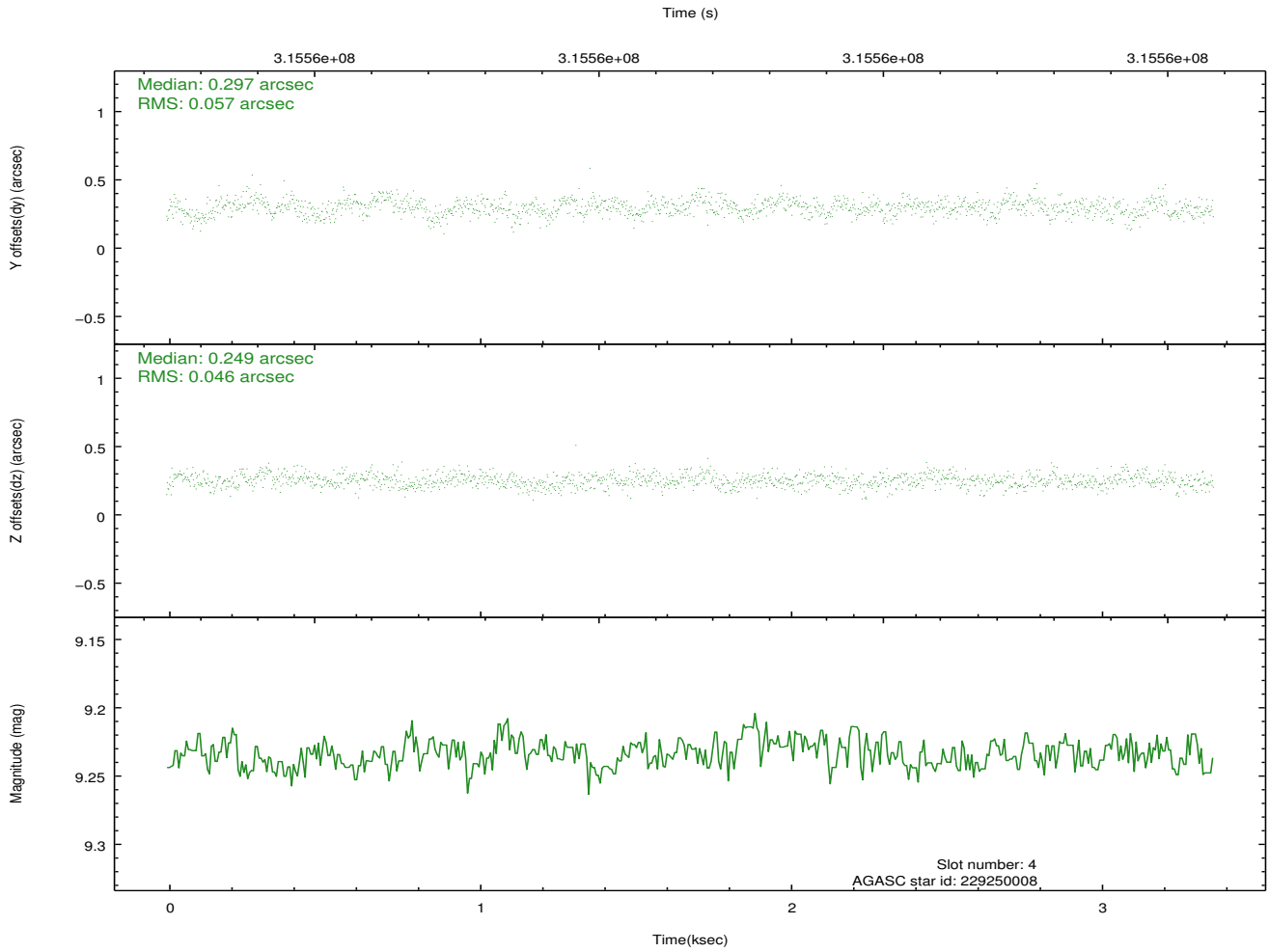
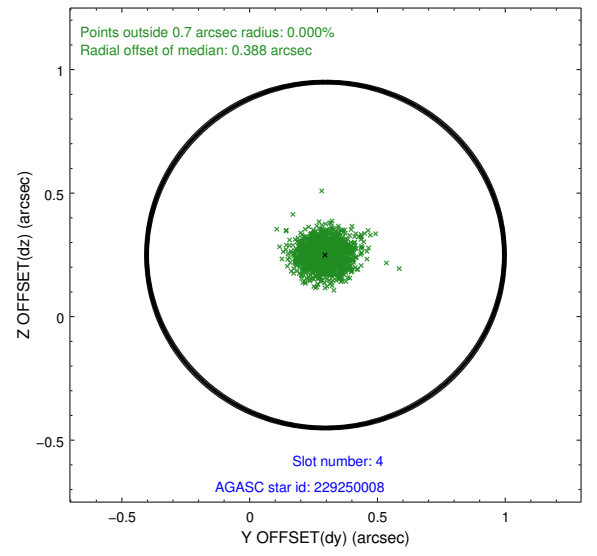
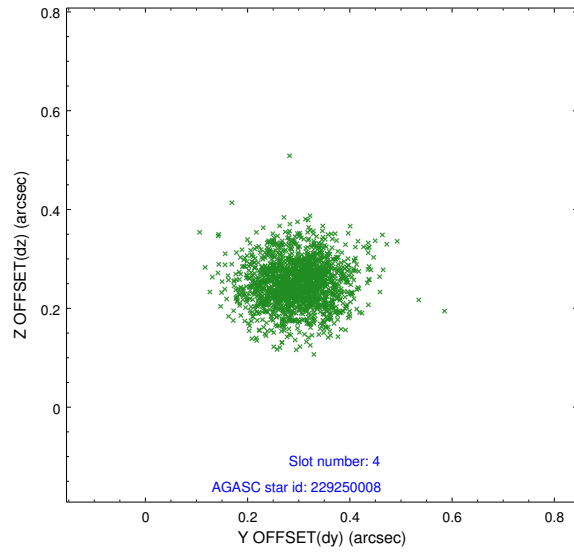
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	821	0.049	-0.019	0.007	0.011	0.000000	0.000000	930.43	-1731.34
1	FID	ACIS-S-4	7.19	821	0.115	-0.006	0.008	0.013	0.000000	0.000000	2148.93	170.89
2	FID	ACIS-S-5	7.23	821	-0.191	0.038	0.007	0.013	0.000000	0.000000	-1816.28	166.64
3	GUIDE	229248320	8.72	1643	-0.068	-0.138	0.072	0.115	23.746592	24.889471	-786.40	-1545.26
4	GUIDE	229250008	9.23	1641	0.297	0.249	0.077	0.124	24.918884	24.309304	2310.56	1535.51
5	GUIDE	229255600	8.40	1643	0.008	-0.161	0.070	0.114	24.102689	24.216856	1869.85	-1126.02
6	GUIDE	229639104	8.92	1643	-0.012	0.091	0.072	0.118	24.766939	25.096434	-547.10	1857.53
7	GUIDE	229640256	6.94	1642	-0.234	-0.038	0.066	0.110	24.354558	25.167769	-1175.37	641.30

2.4 Star Slots

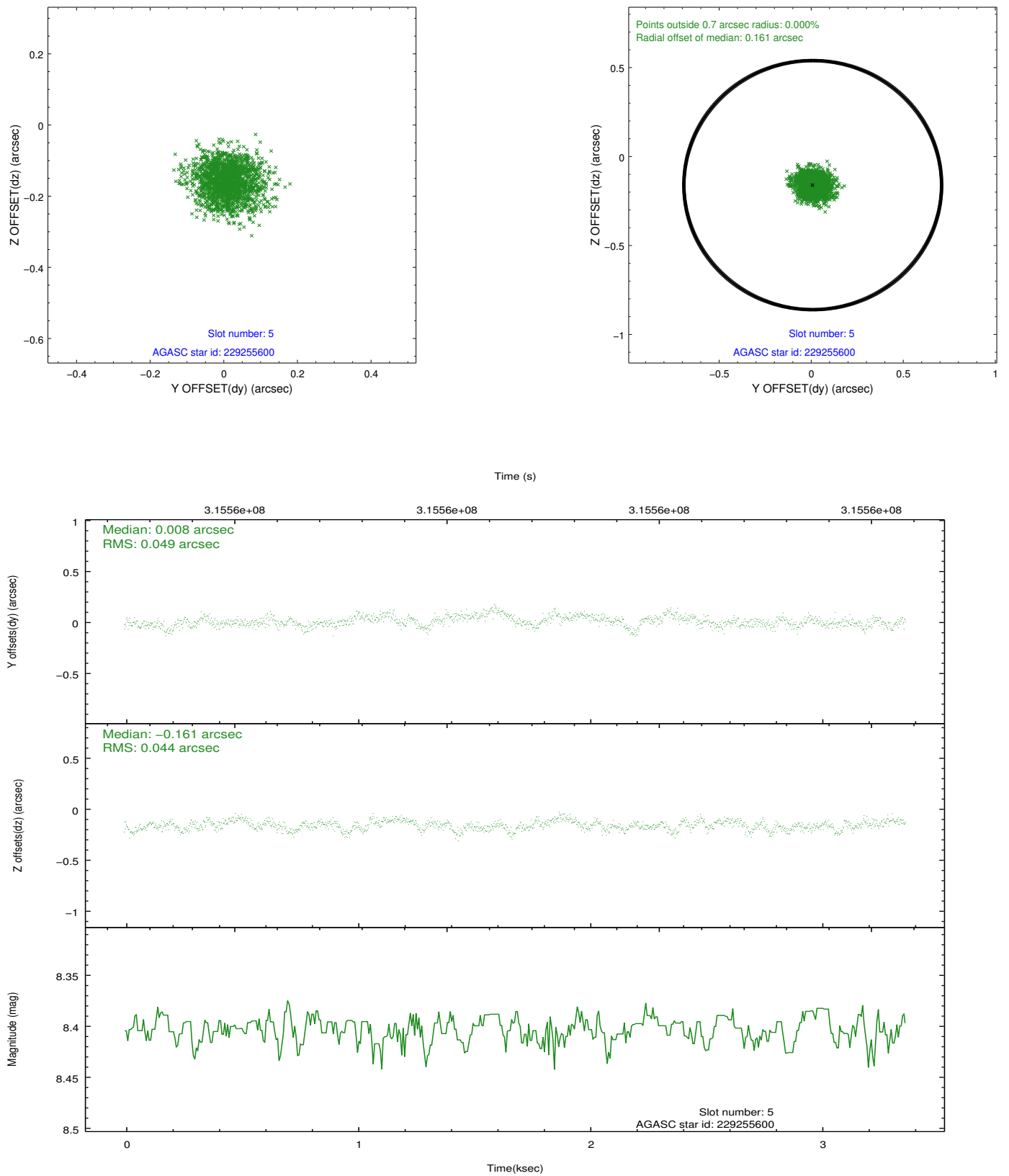
2.4.1 Slot 3



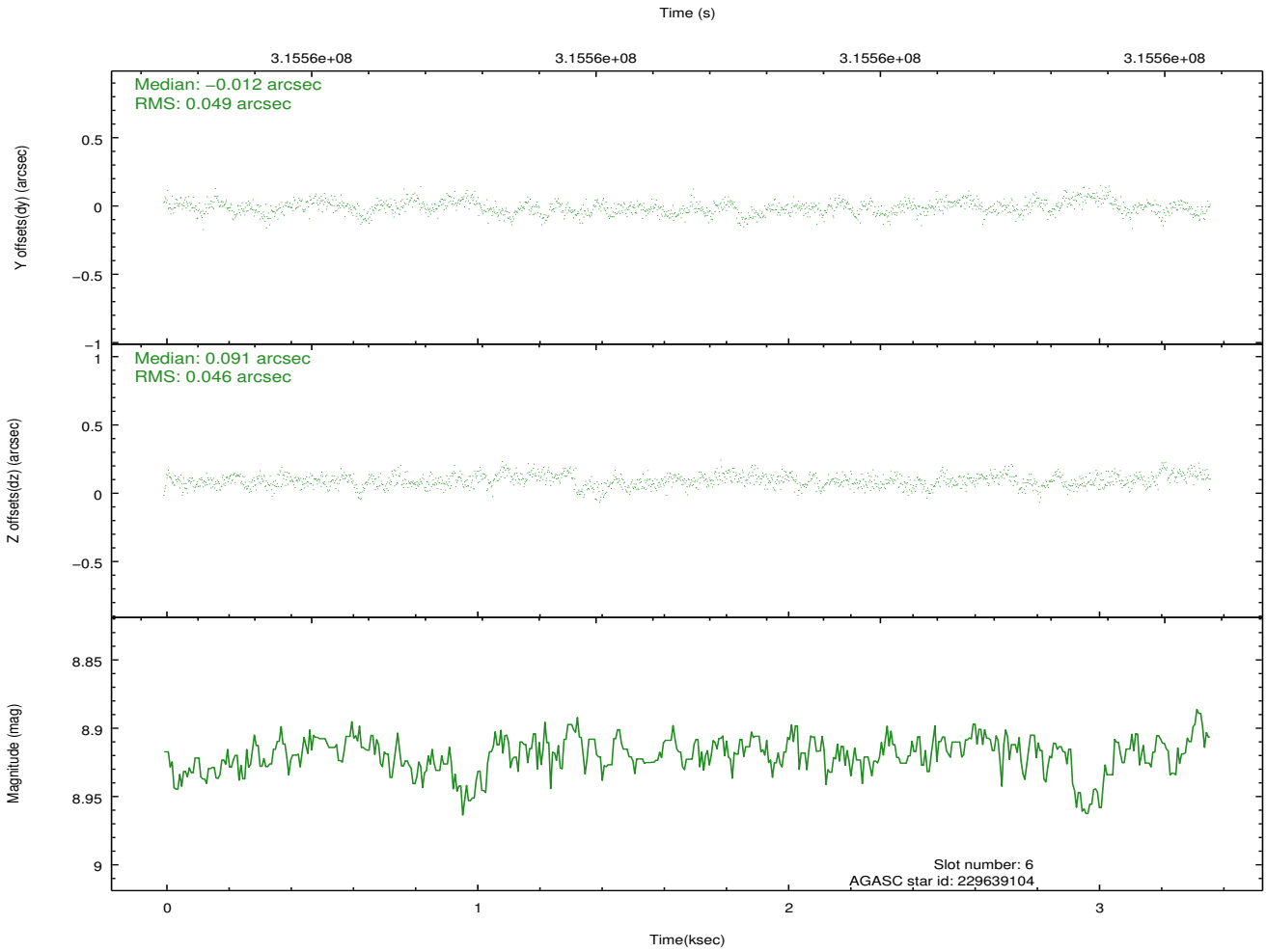
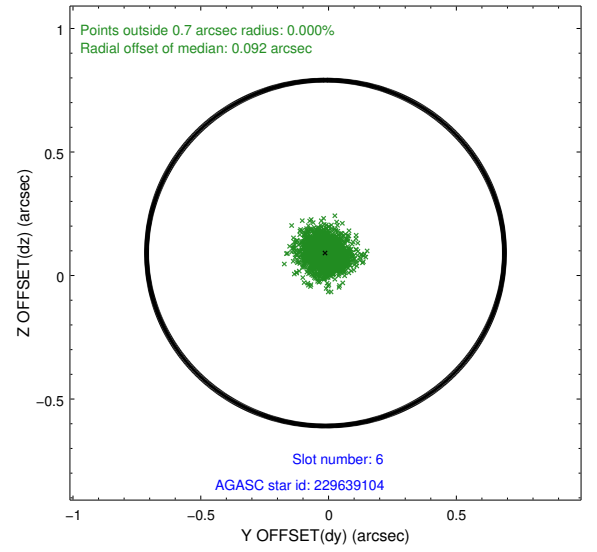
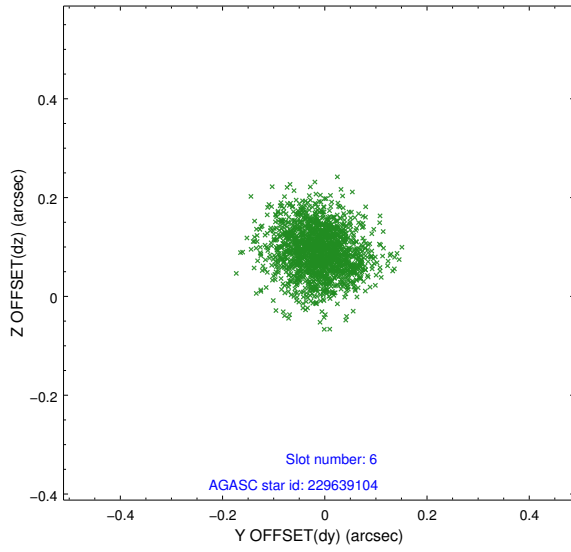
2.4.2 Slot 4



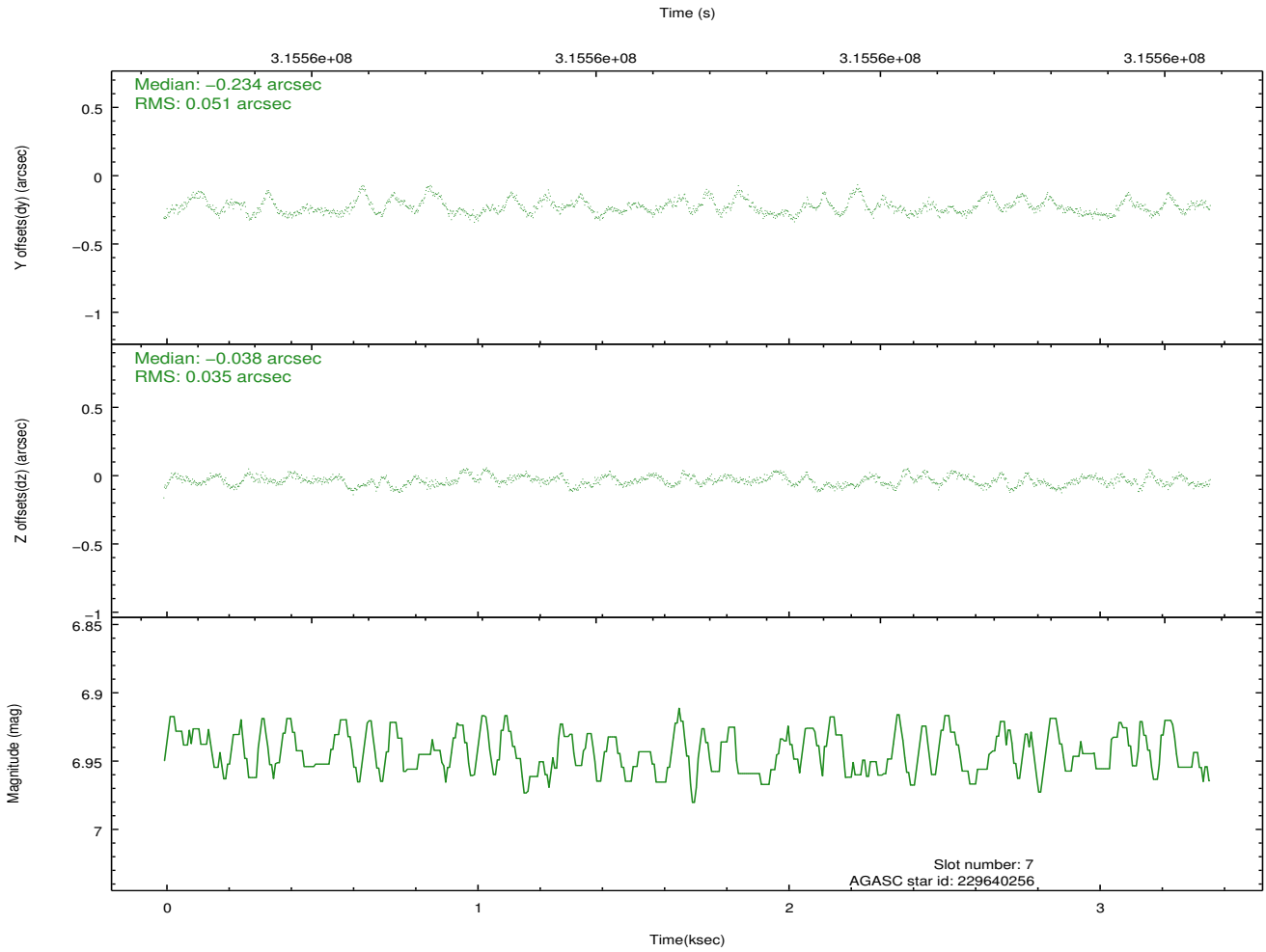
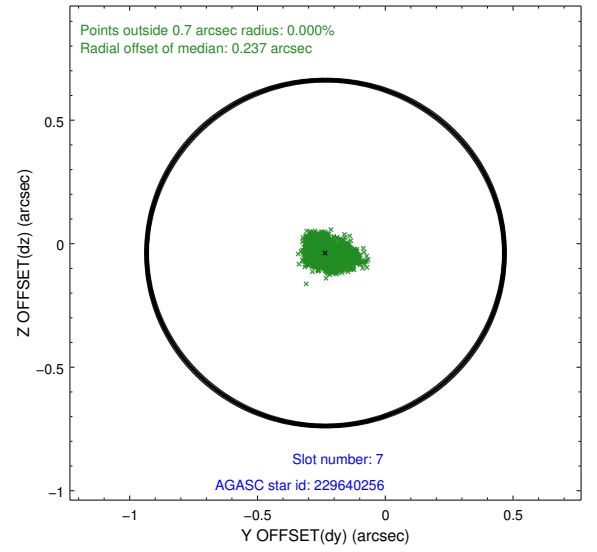
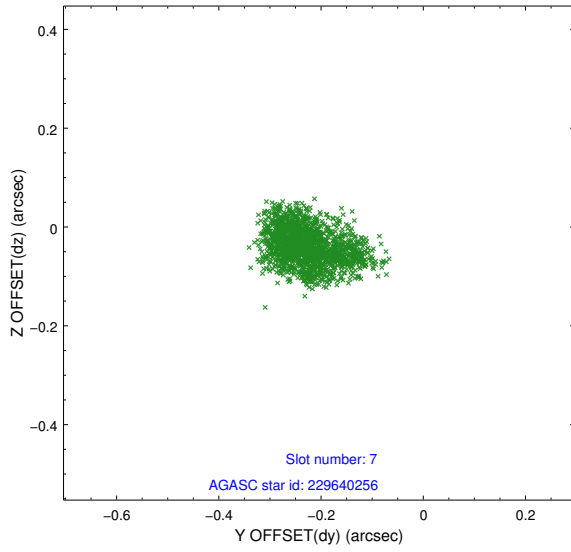
2.4.3 Slot 5



2.4.4 Slot 6

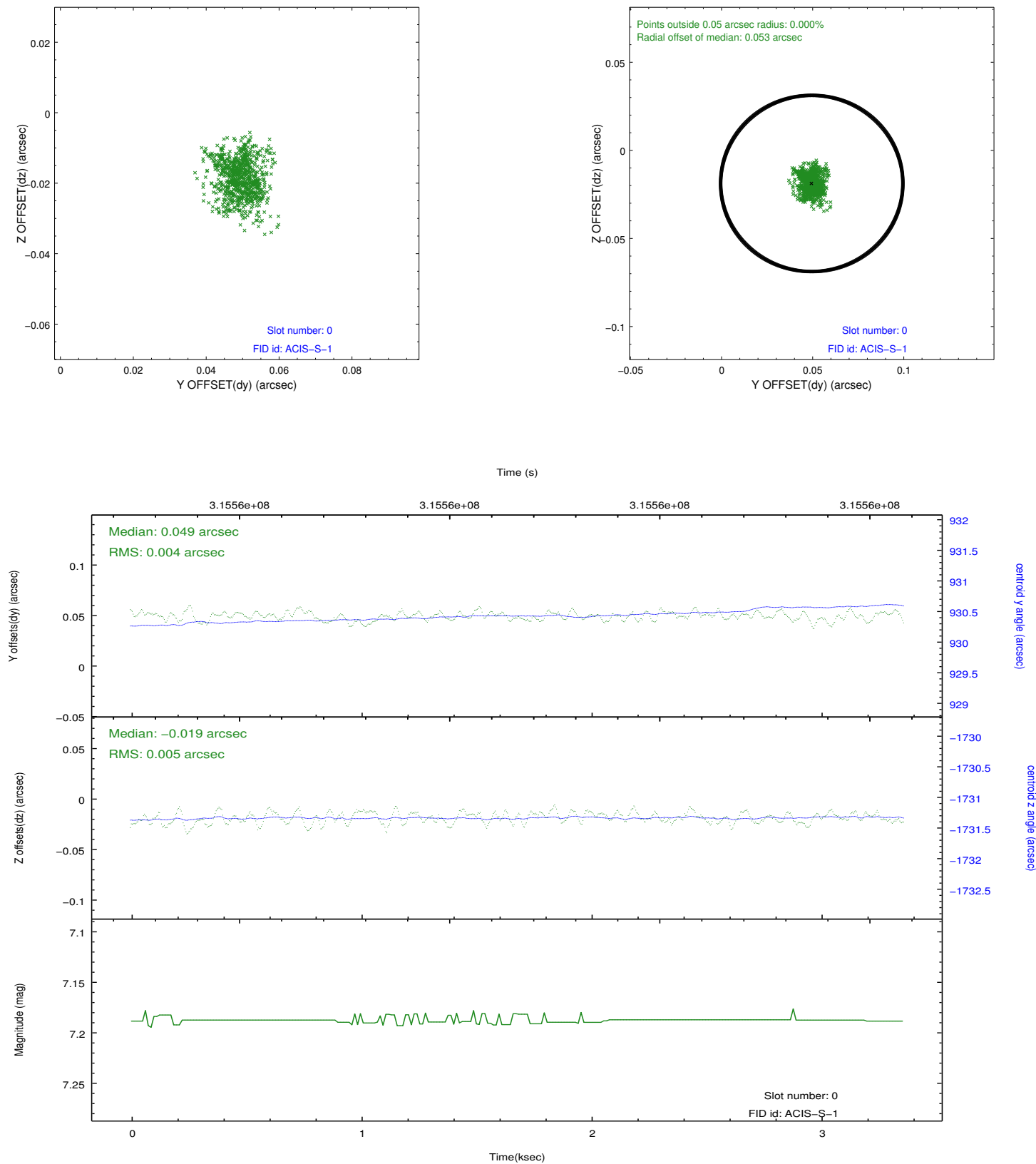


2.4.5 Slot 7

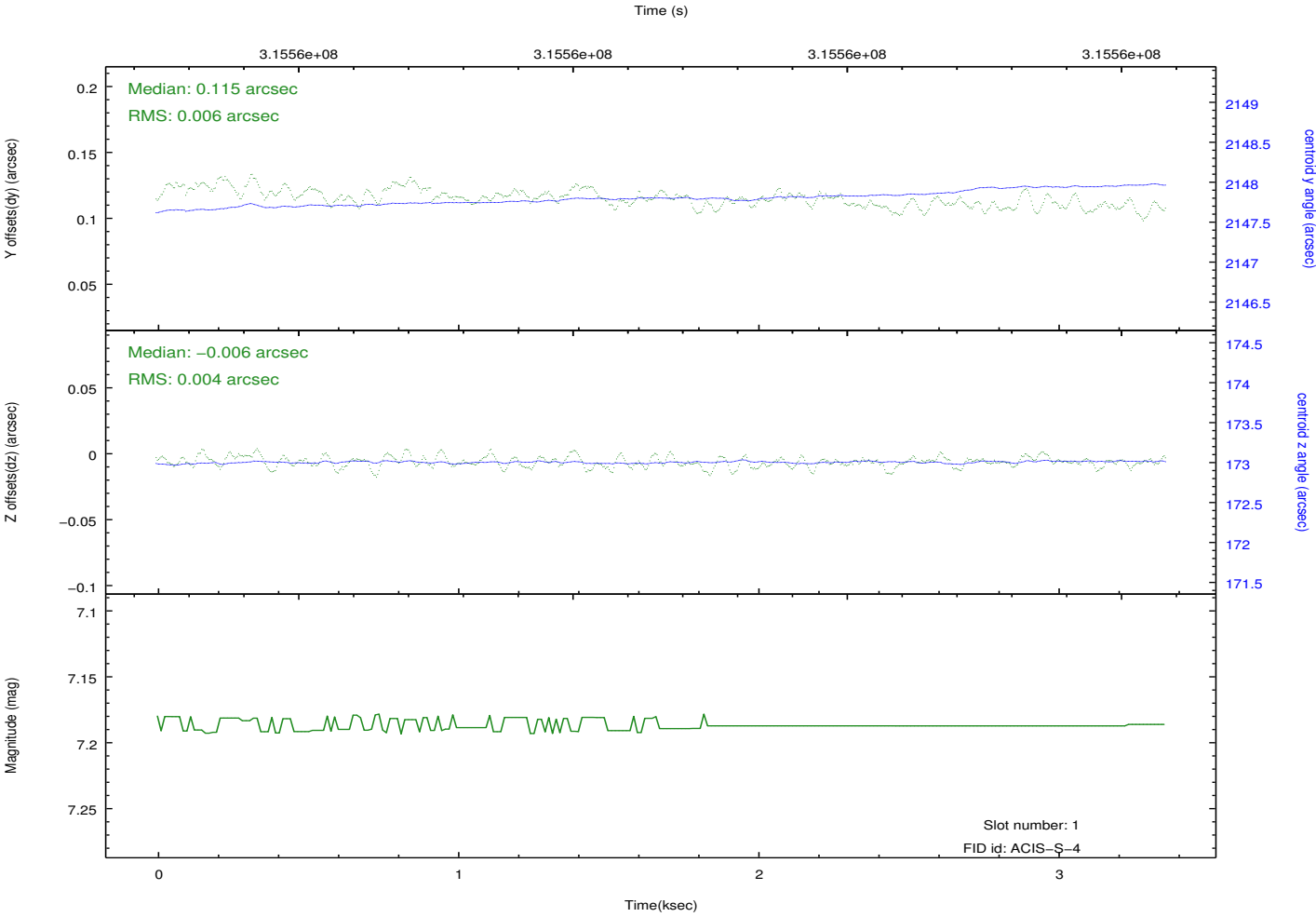
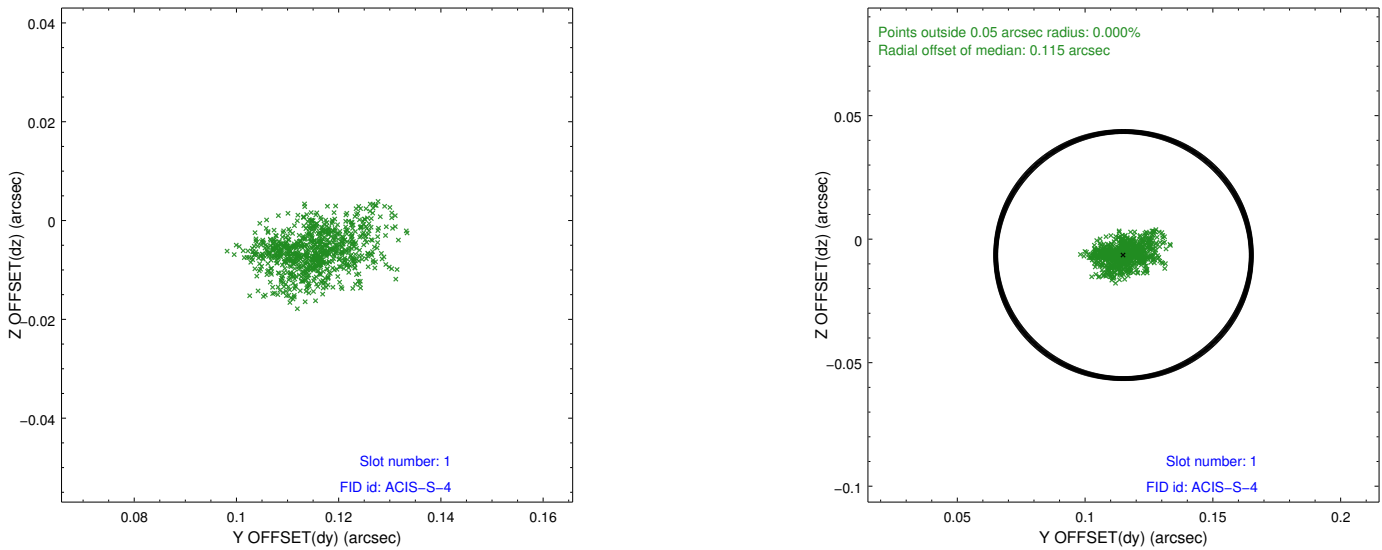


2.5 FID Slots

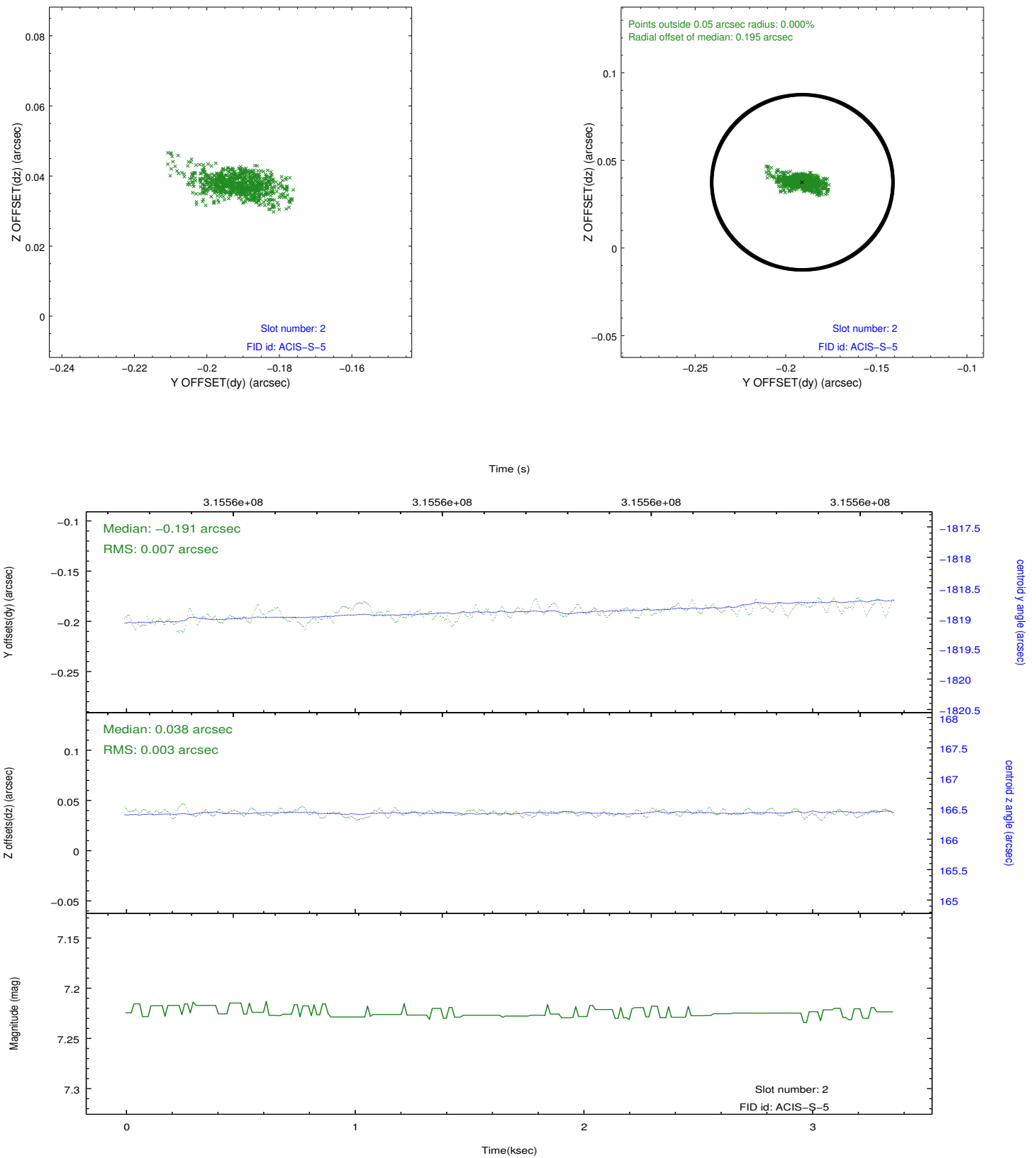
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.04639998

A.2 Comments

Window preference met.