

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 116 - L2 Version 001
Chandra X-Ray Center

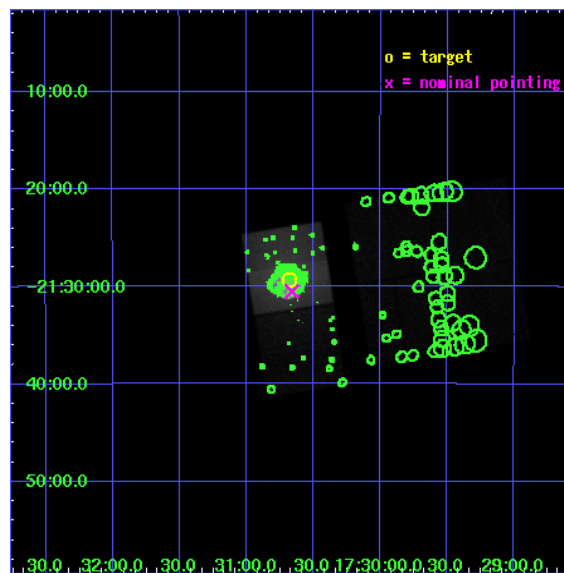
L2 Processing Date : May 27 2007

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1 Front

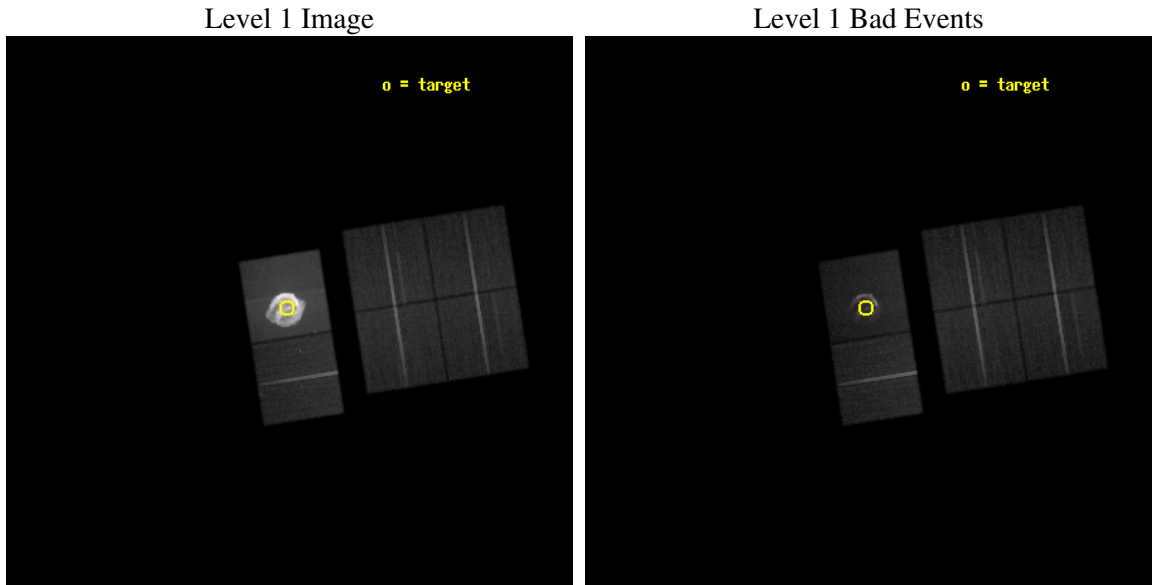
seq_num	500003
obs_id	116
title	ACIS OBSERVATIONS OF TYCHO AND KEPLER
observer	DR STEPHEN HOLT
object	KEPLER SNR
dtcycle	0
cycle	P
ra_targ	262.67083
dec_targ	-21.48806
ra_nom	262.6653805748
dec_nom	-21.50848987975
roll_nom	261.12426400403
revision	3
ontime	49449.559075817
livetime	48823.39898385
ontime0	49449.559045911
ontime1	49452.800046057
ontime2	49452.800046057
ontime3	49452.800046057
ontime6	49452.800046057
ontime7	49449.559075817
l2events	2914340



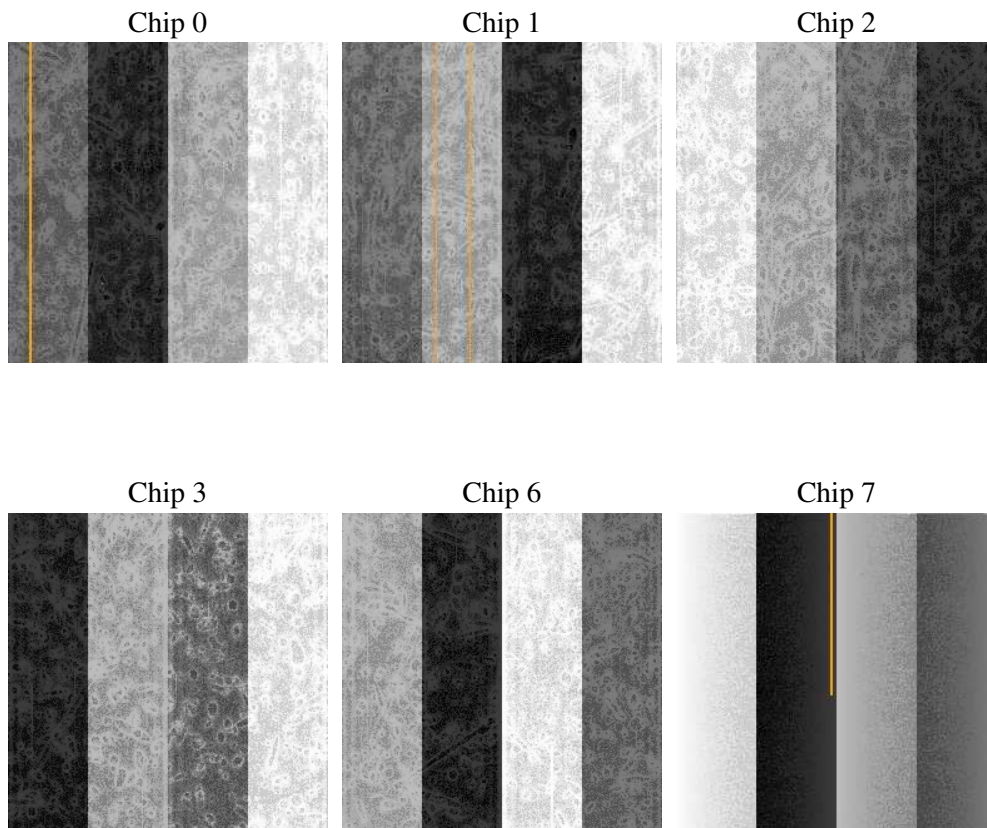
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldsver	3.4.0
date	2007-05-27T17:34:51
revision	3

sched_exp_time	49500.000000
ontime	49449.559075817
ontime0	49449.559045911
ontime1	49452.800046057
ontime2	49452.800046057
ontime3	49452.800046057
ontime6	49452.800046057
ontime7	49449.559075817
l1events	4706373

2.1.4 Events

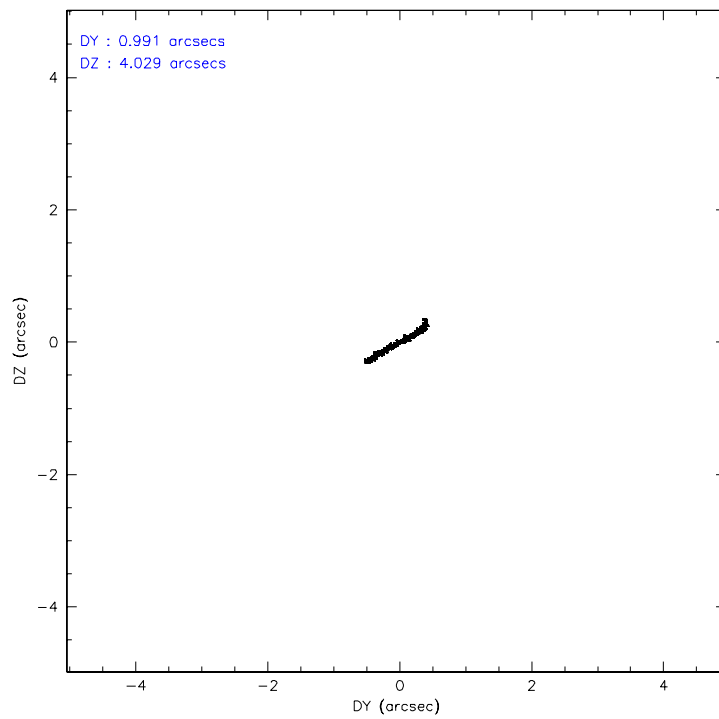
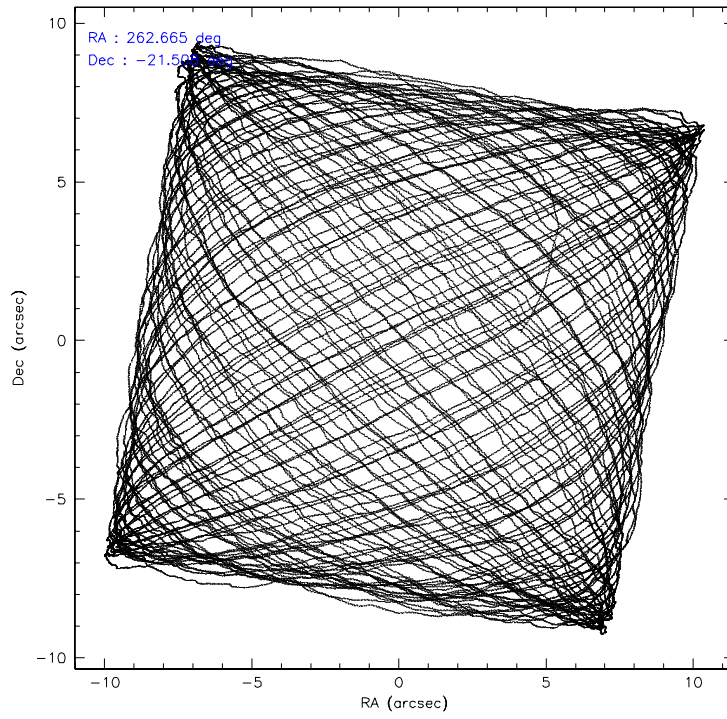
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	318113	305304	341552	341092	362399	3037913
rejected events	278214	264702	300194	297415	298890	267619
rejected %	87%	86%	87%	87%	82%	8%

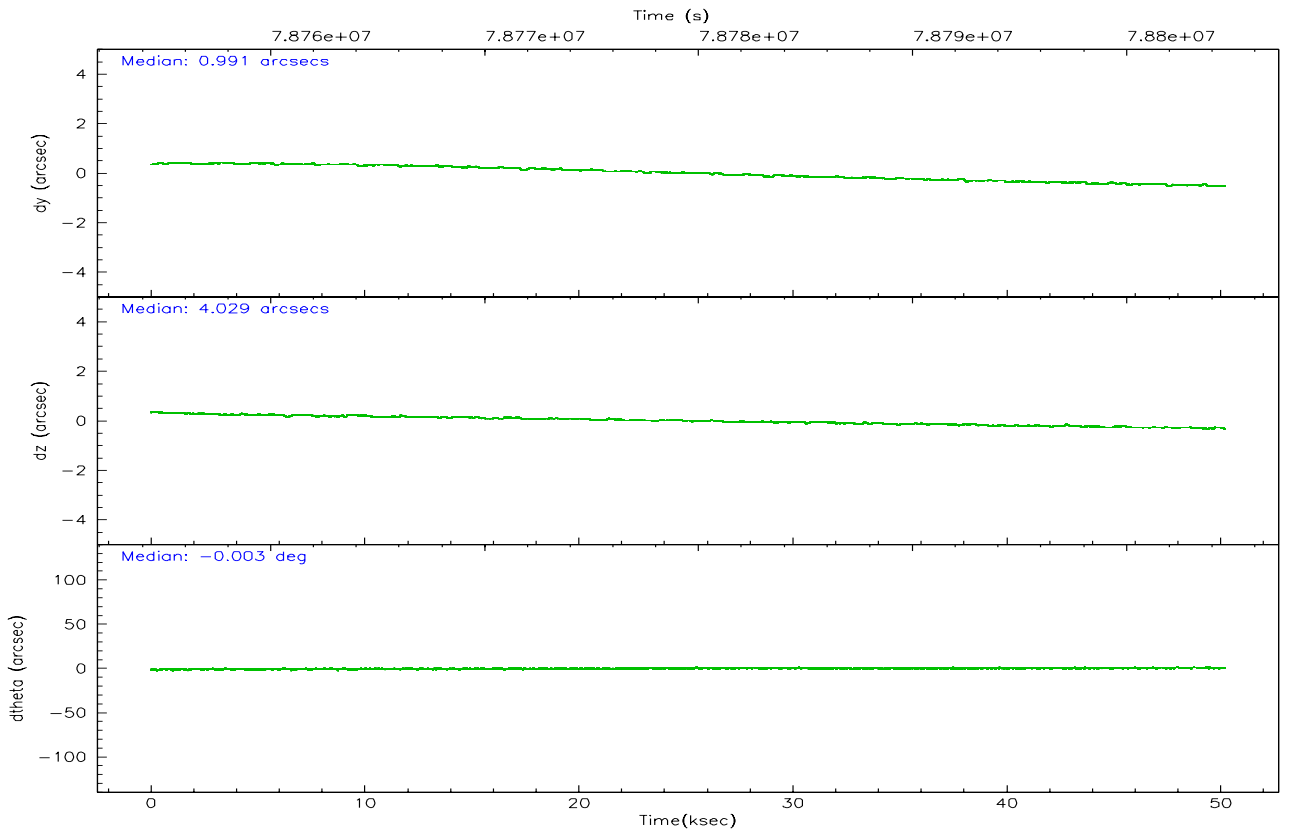
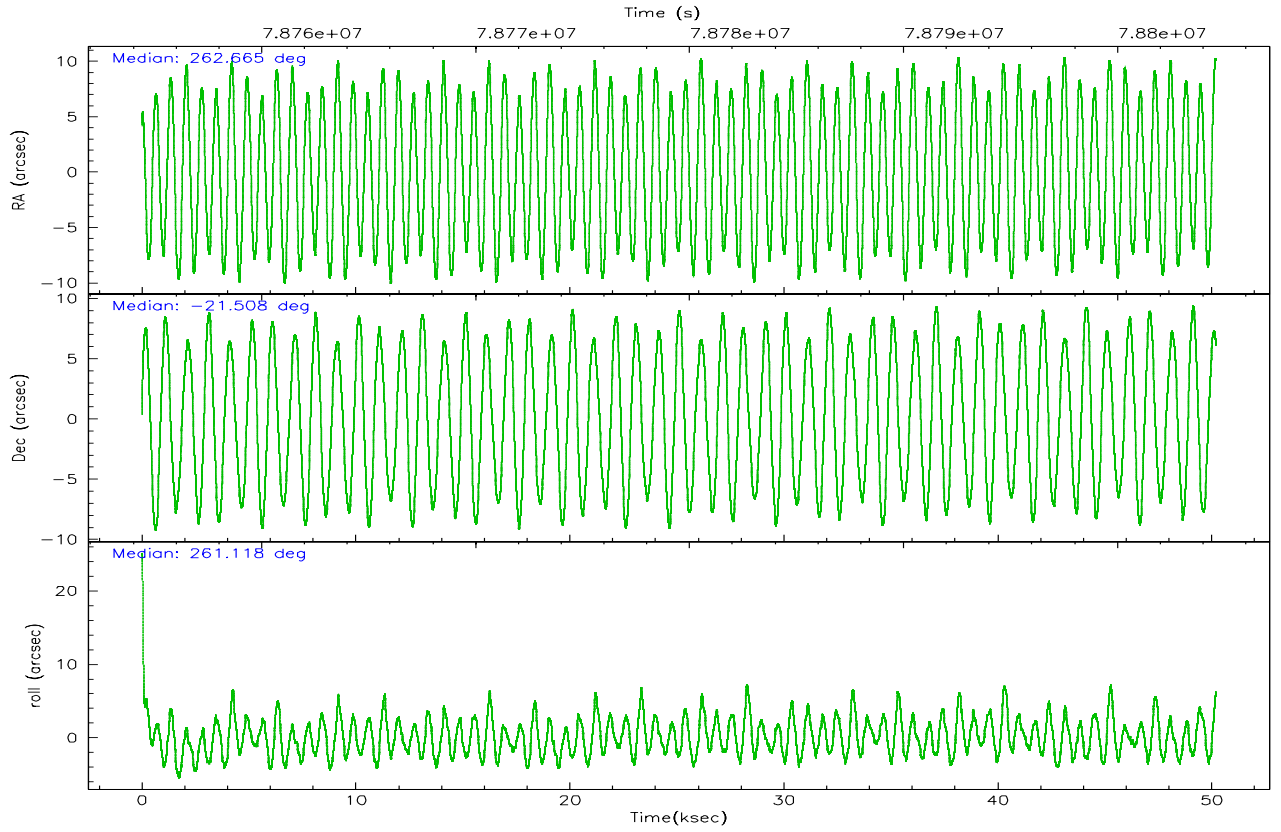
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	18270	17918	20484	22686	38749	850657
	5%	5%	5%	6%	10%	28%
grade 1 events	172	162	163	169	223	7004
	0%	0%	0%	0%	0%	0%
grade 2 events	7944	7765	7957	7581	9185	736140
	2%	2%	2%	2%	2%	24%
grade 3 events	3807	4021	3530	3642	4144	327739
	1%	1%	1%	1%	1%	10%
grade 4 events	3494	3972	3451	3610	4236	324552
	1%	1%	1%	1%	1%	10%
grade 5 events	11132	11334	10371	11421	12765	62727
	3%	3%	3%	3%	3%	2%
grade 6 events	6391	6932	5941	6163	7206	531630
	2%	2%	1%	1%	1%	17%
grade 7 events	266903	253200	289655	285820	285891	197464
	83%	82%	84%	83%	78%	6%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	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
Pointing RA	262.654653	262.6653805747982	Subarray requested	NONE	NONE
Pointing Dec	-21.482967	-21.50848987974973	Alternating exposures requested	N	N
Pointing Roll	260.963702	261.1242640040272	Primary exposure time	3.200000	3.2
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	78755112.184000	78753896.350668			
Observation start date	2000-06-30T12:24:08	2000-06-30T12:04:56			
Observation end time	78804612.184000	78805186.32755899			
Observation end date	2000-07-01T02:09:08	2000-07-01T02:19:46			
Read mode	TIMED	TIMED			

2.3 Aspect



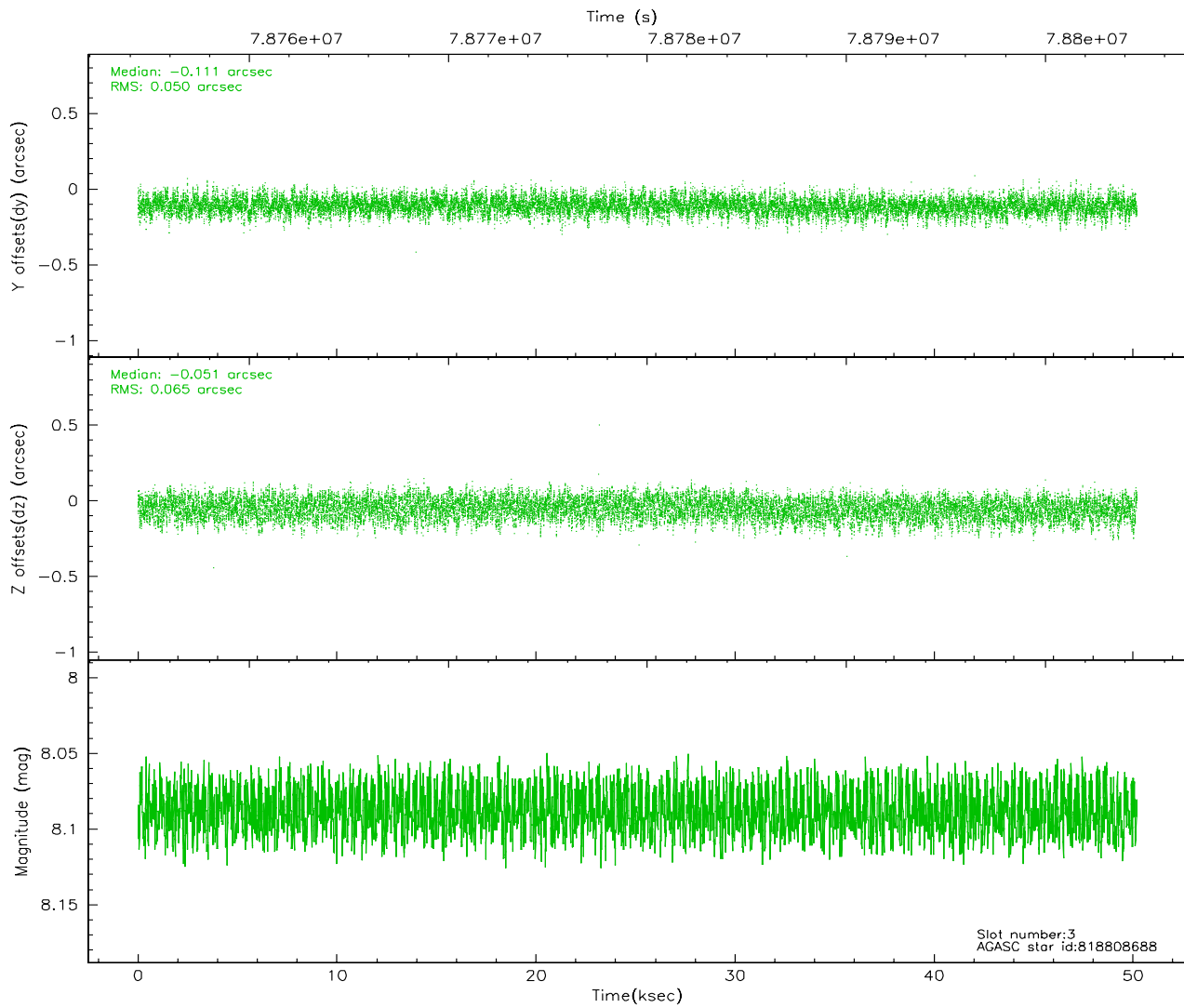
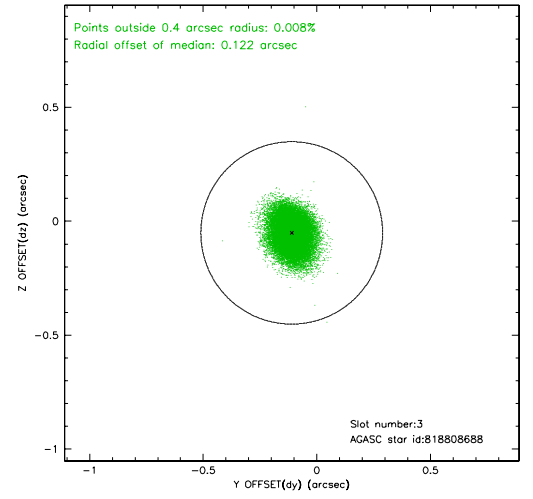
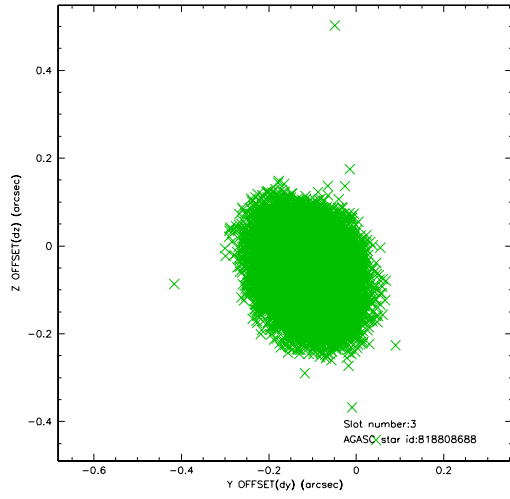


Slot Statistics

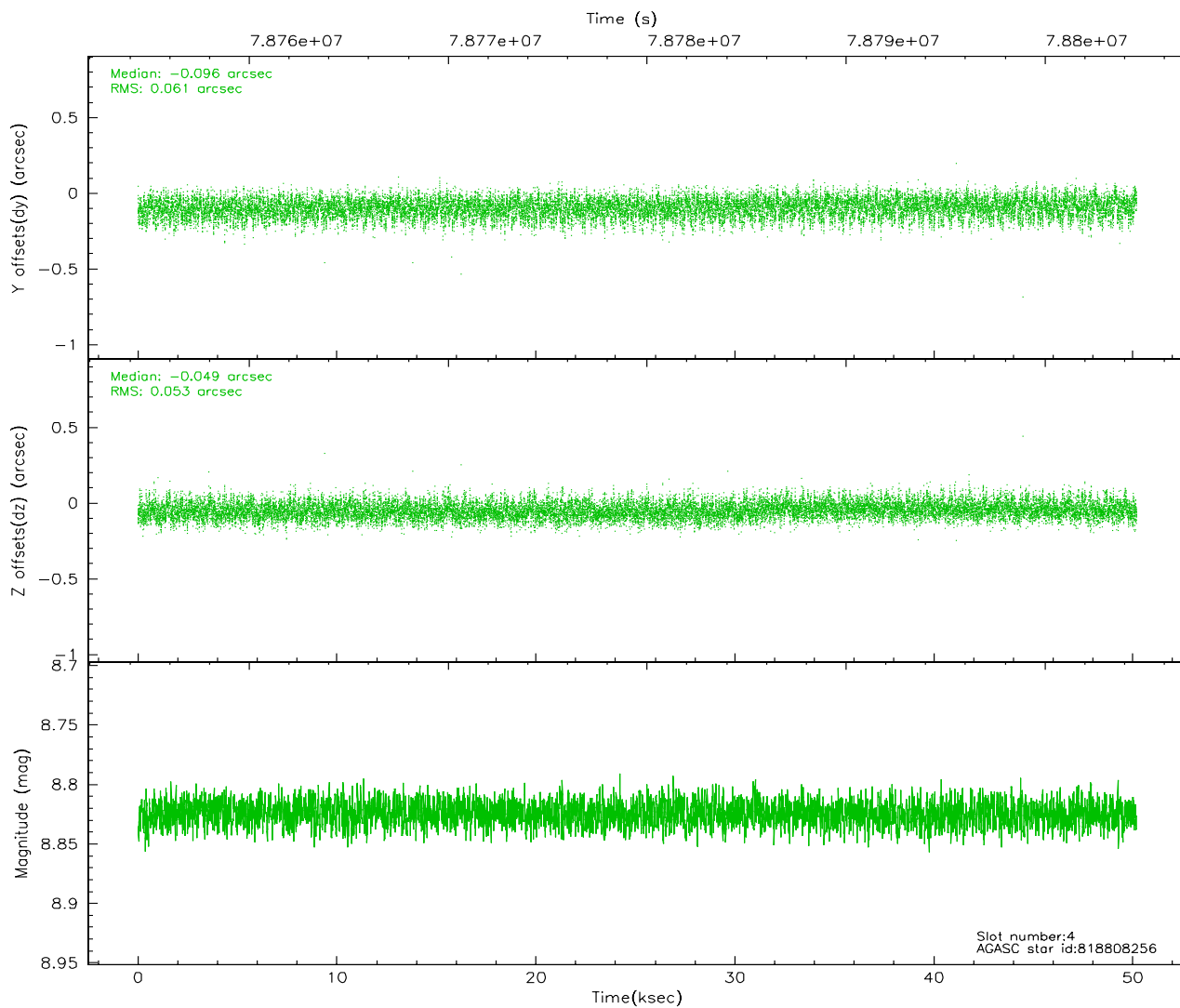
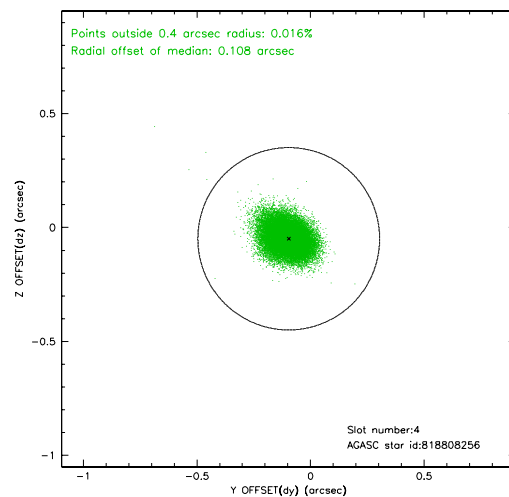
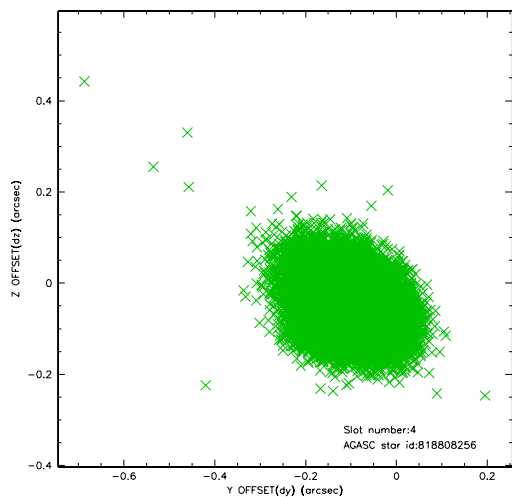
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	12245	-0.007	0.008	0.013	0.021	0.000000	0.000000	-753.61	-1725.05
1	FID	ACIS-S-4	7.21	12245	-0.047	0.002	0.032	0.040	0.000000	0.000000	2159.68	183.41
2	FID	ACIS-S-5	7.24	12245	0.020	0.001	0.025	0.037	0.000000	0.000000	-1806.43	177.12
3	GUIDE	818808688	8.09	24481	-0.111	-0.051	0.088	0.139	262.067475	-20.963695	-1531.42	-2242.48
4	GUIDE	818808256	8.82	24487	-0.096	-0.049	0.085	0.139	263.255476	-21.831270	927.53	2180.76
5	GUIDE	818806904	9.87	24405	0.032	-0.092	0.104	0.172	262.317300	-21.245613	-663.66	-1251.74
6	GUIDE	818806888	9.72	24465	0.057	0.086	0.118	0.198	263.030968	-21.219468	-1132.75	1098.66
7	GUIDE	818808400	10.27	24270	0.119	0.102	0.136	0.221	262.897094	-22.049178	1887.64	1119.80

2.4 Star Slots

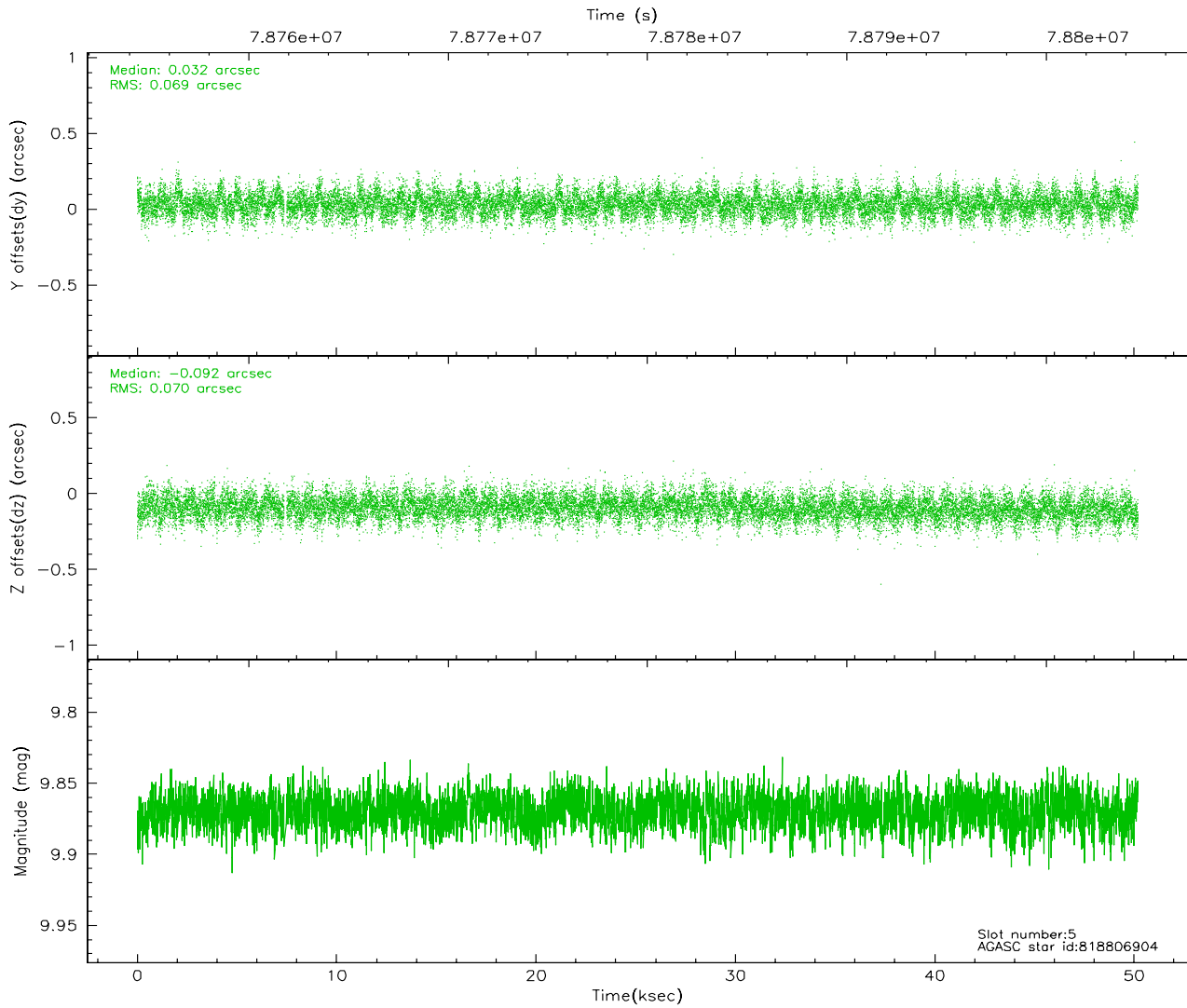
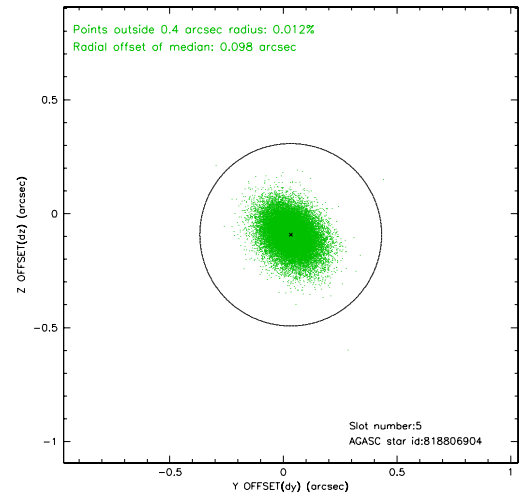
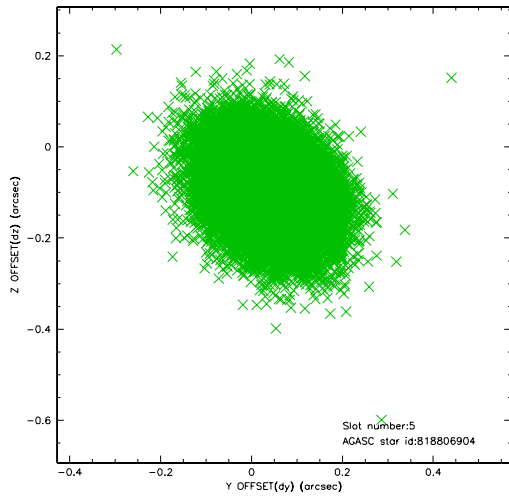
2.4.1 Slot 3



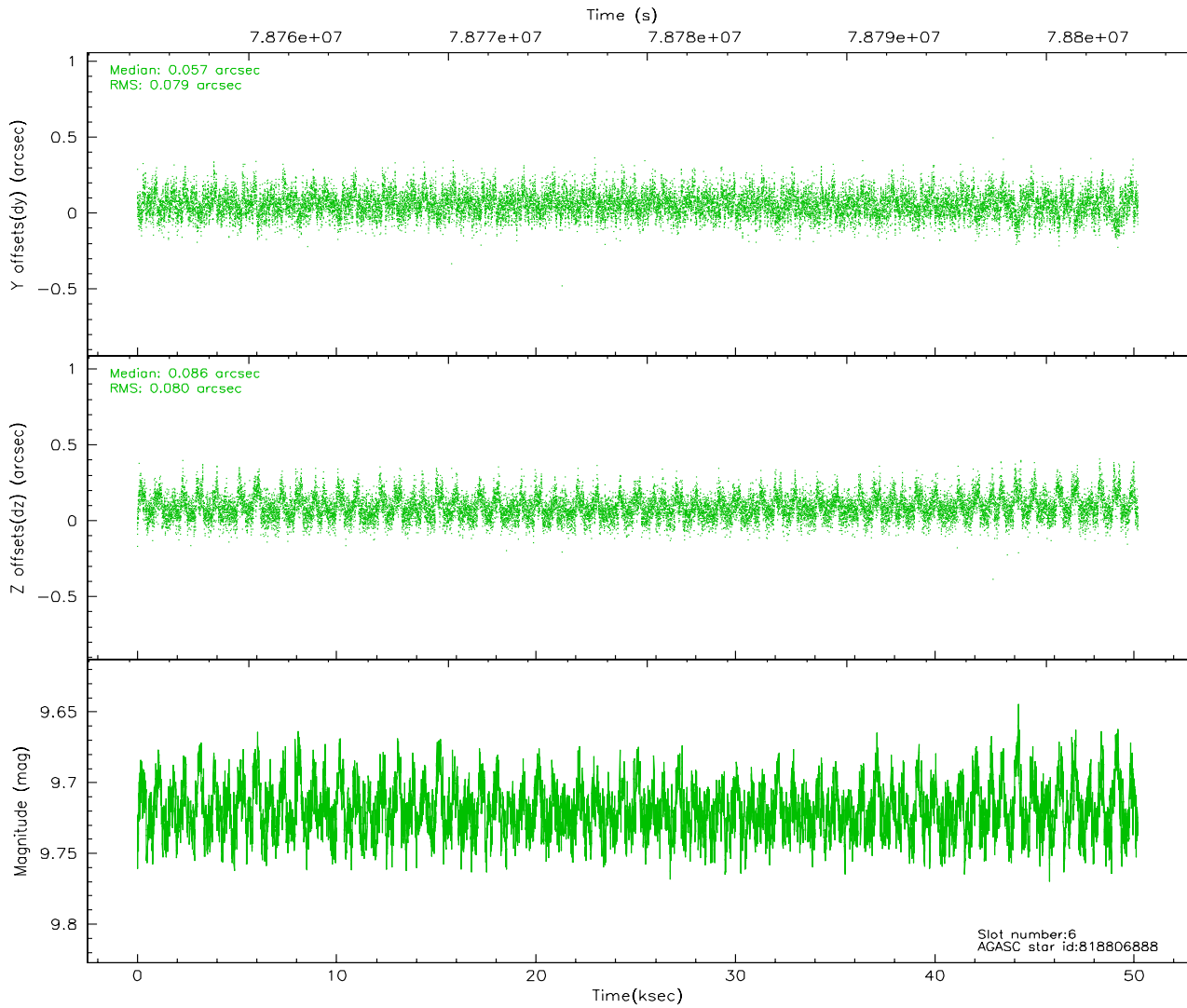
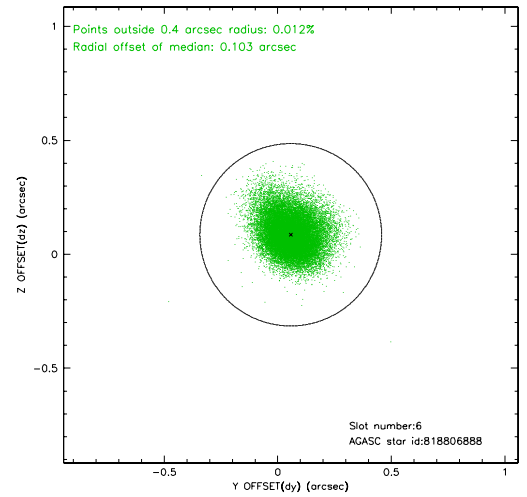
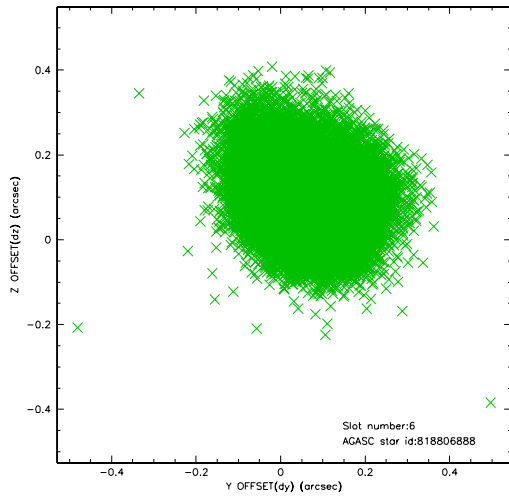
2.4.2 Slot 4



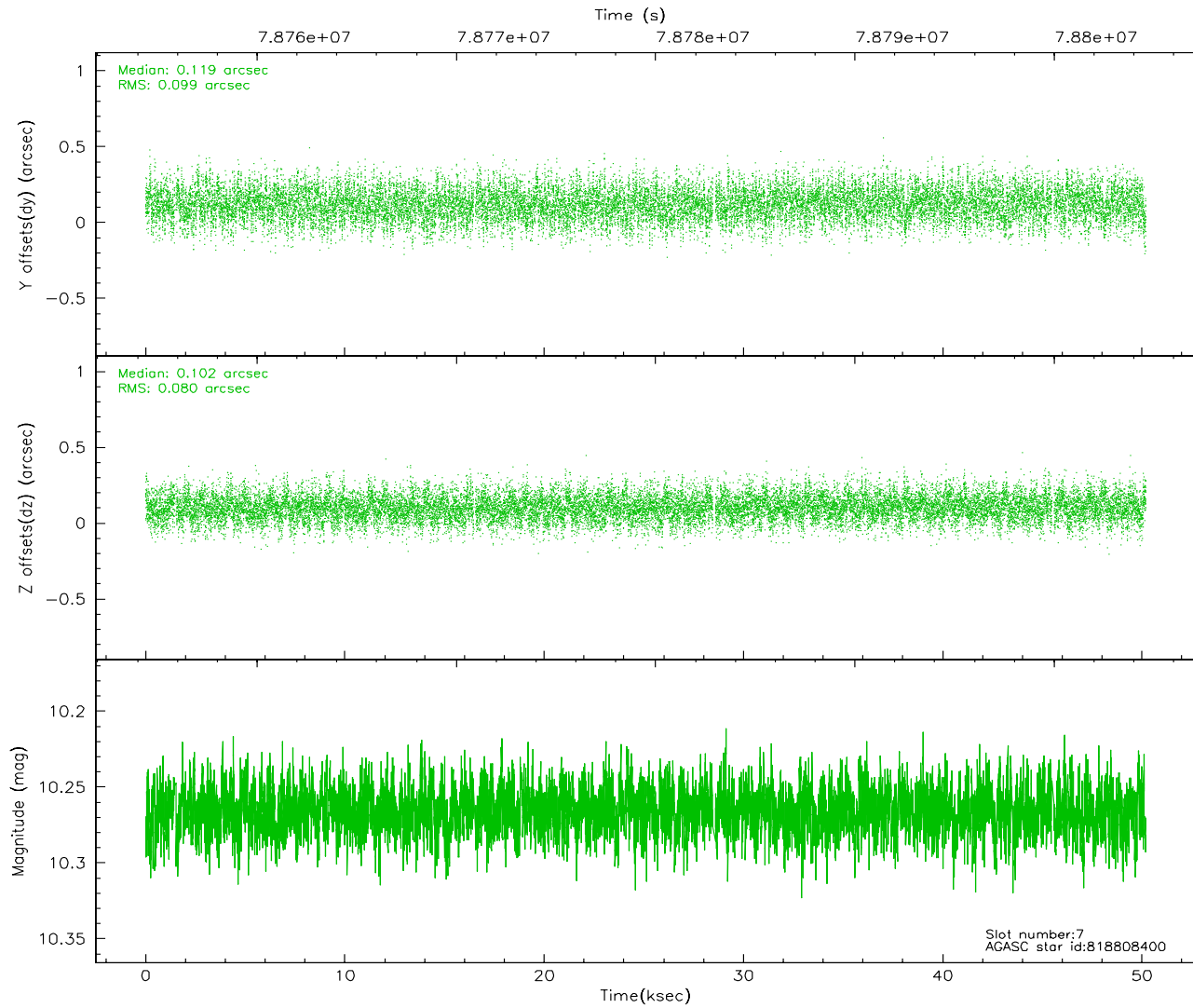
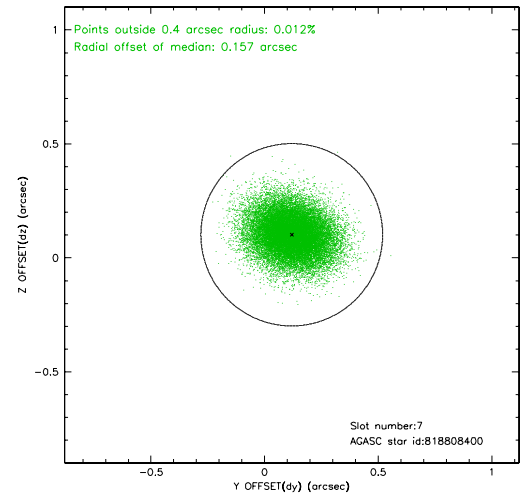
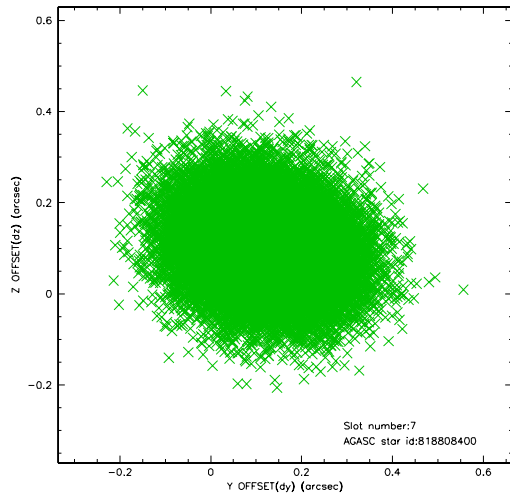
2.4.3 Slot 5



2.4.4 Slot 6

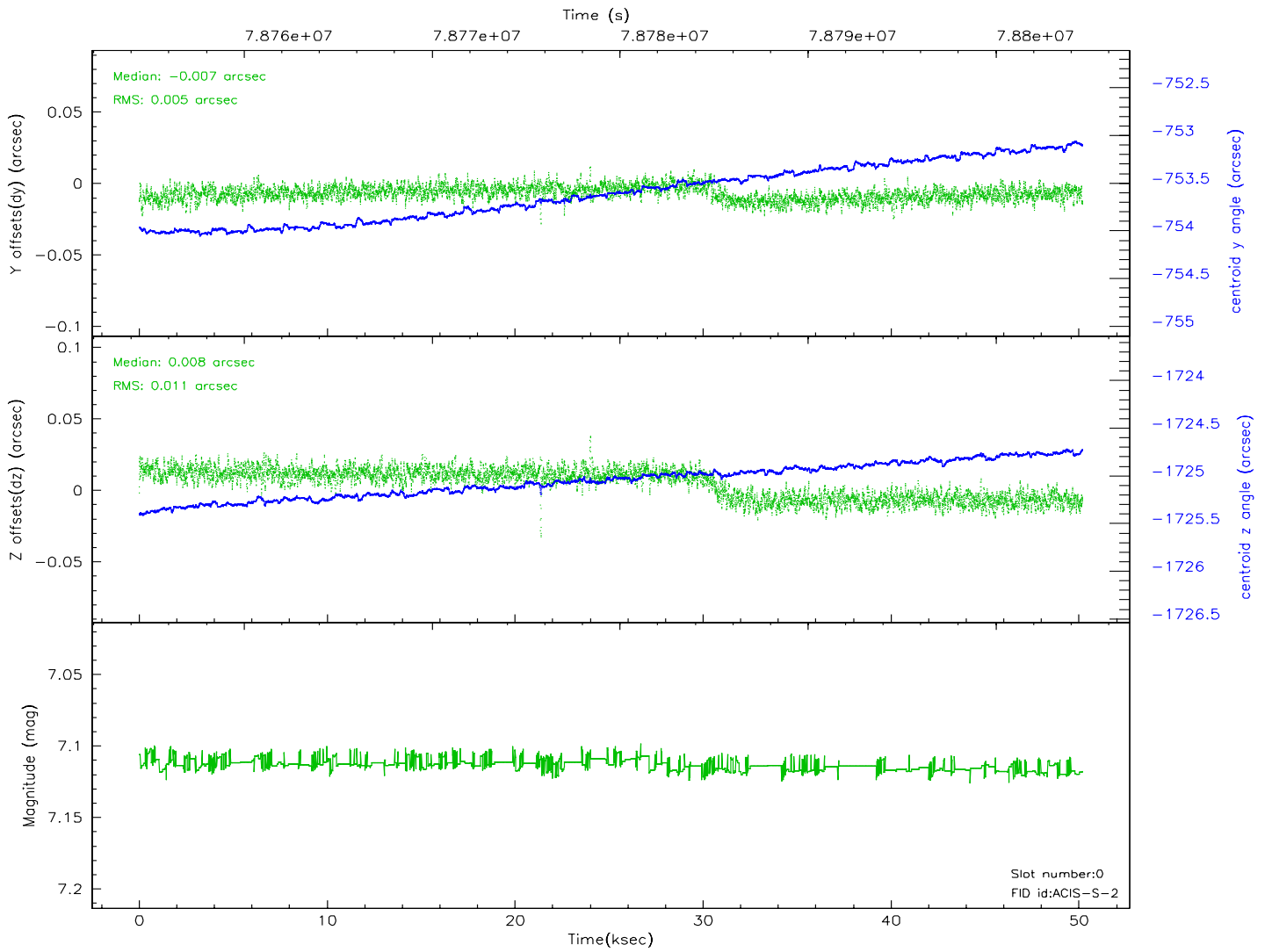
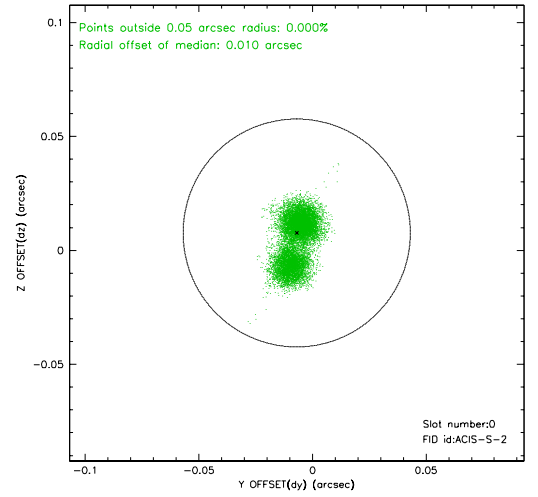
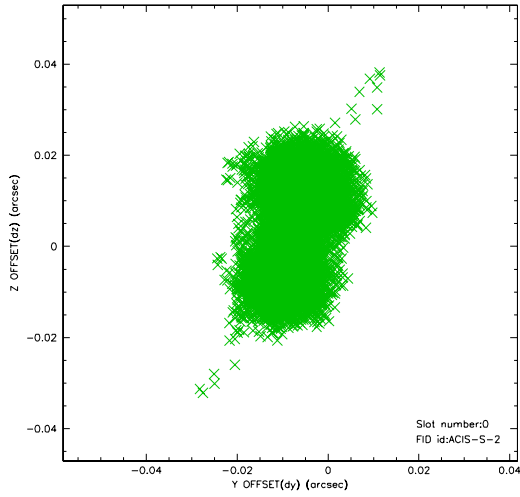


2.4.5 Slot 7

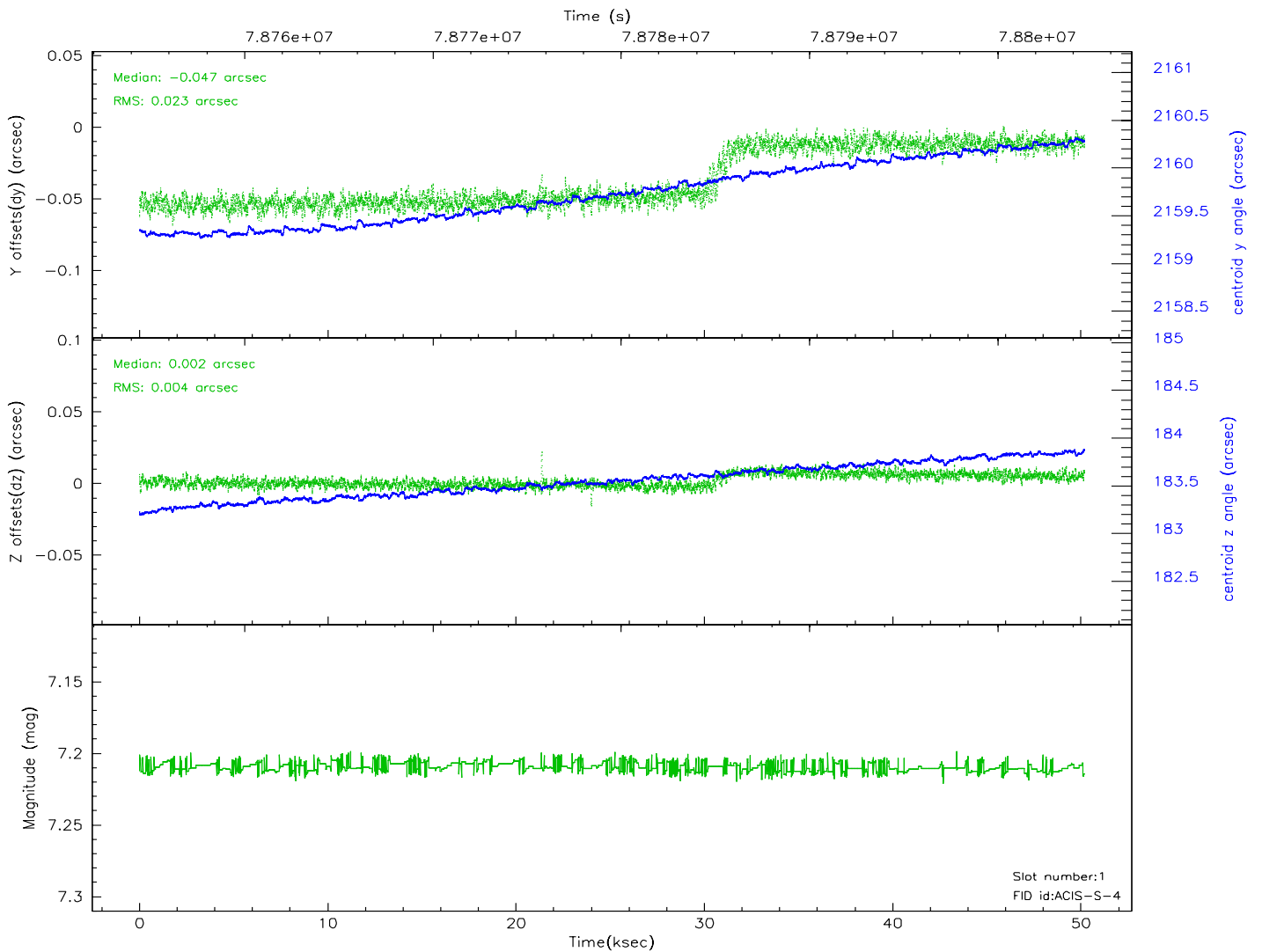
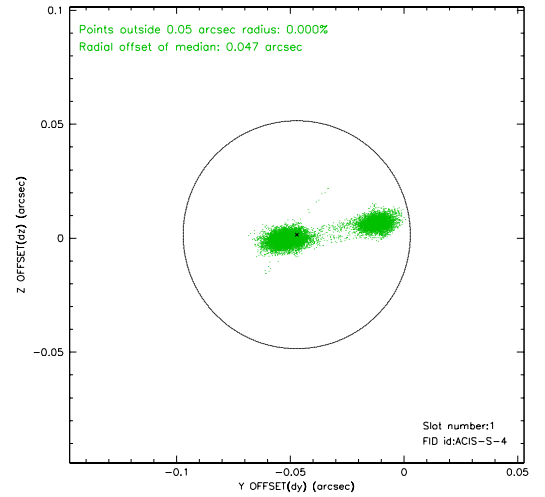
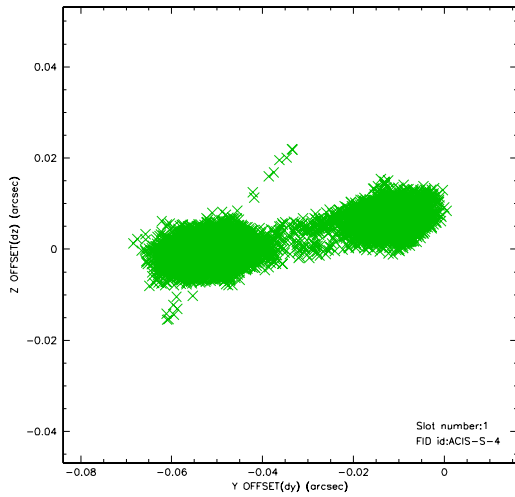


2.5 FID Slots

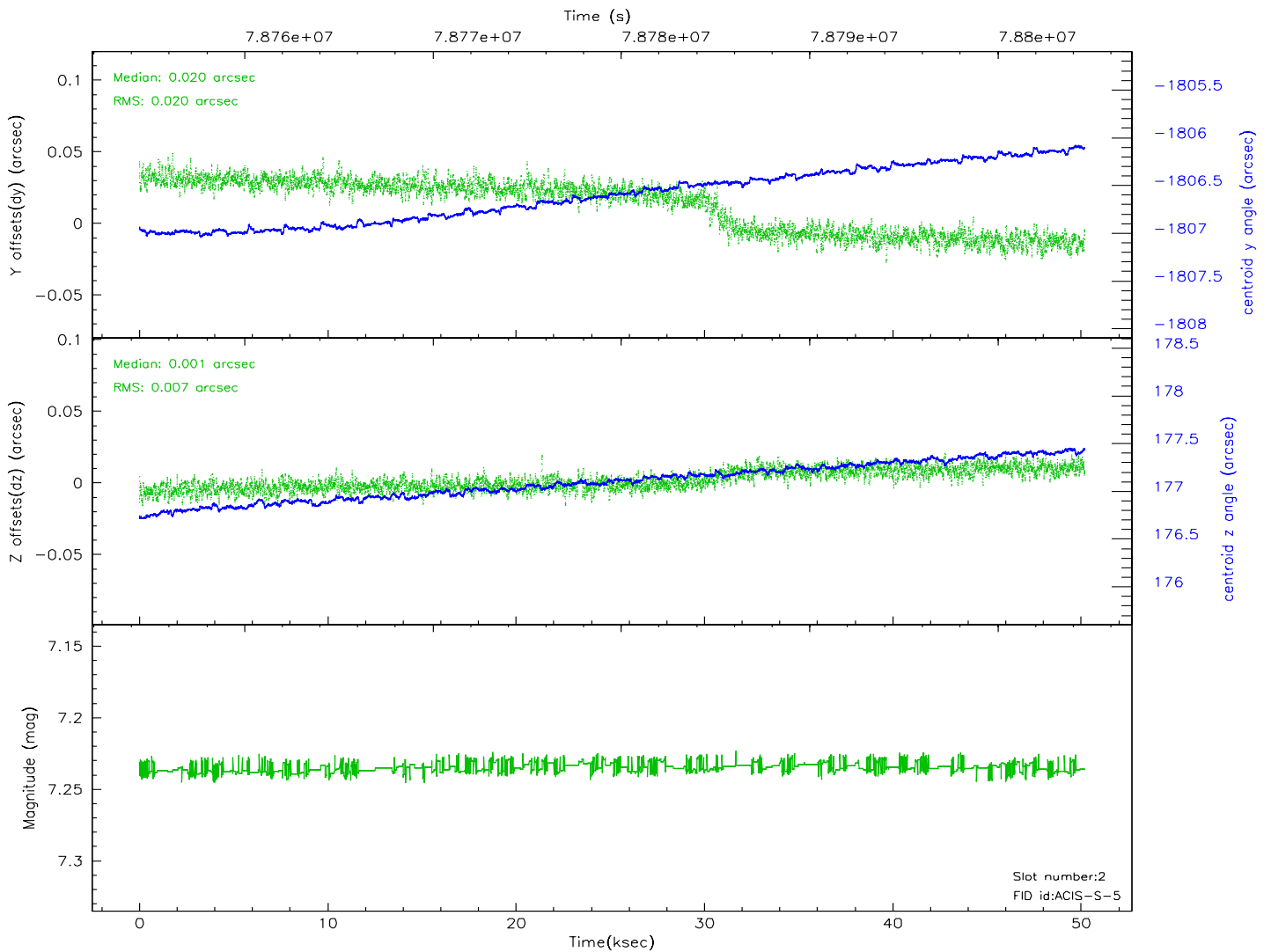
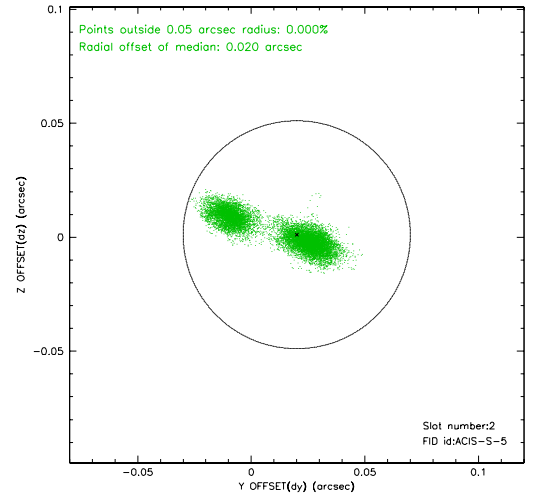
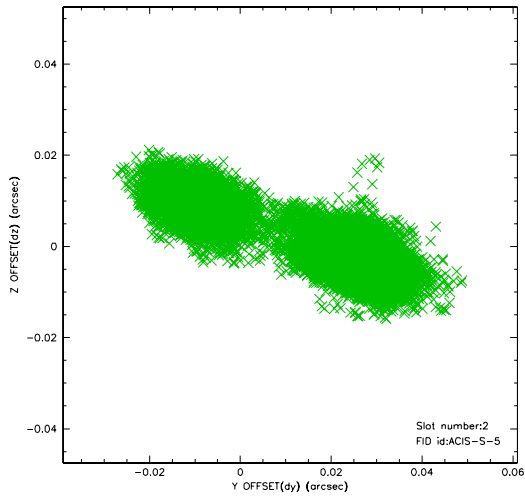
2.5.1 Slot 0



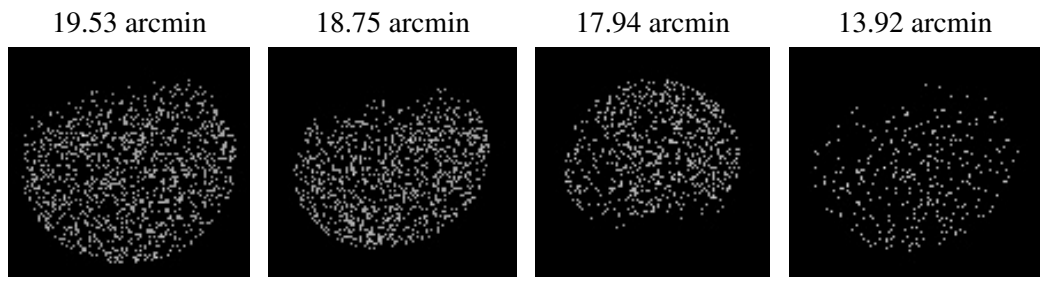
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.05.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	49.452

A.2 Comments