

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 5309 - L2 Version 001
Chandra X-Ray Center

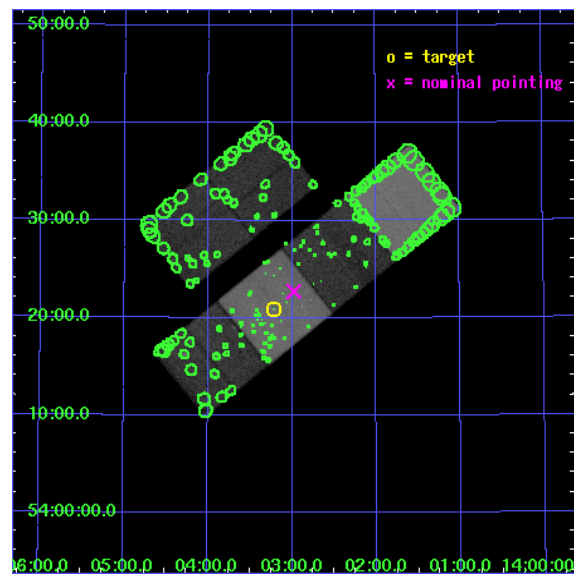
L2 Processing Date : May 29 2006

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1 Front

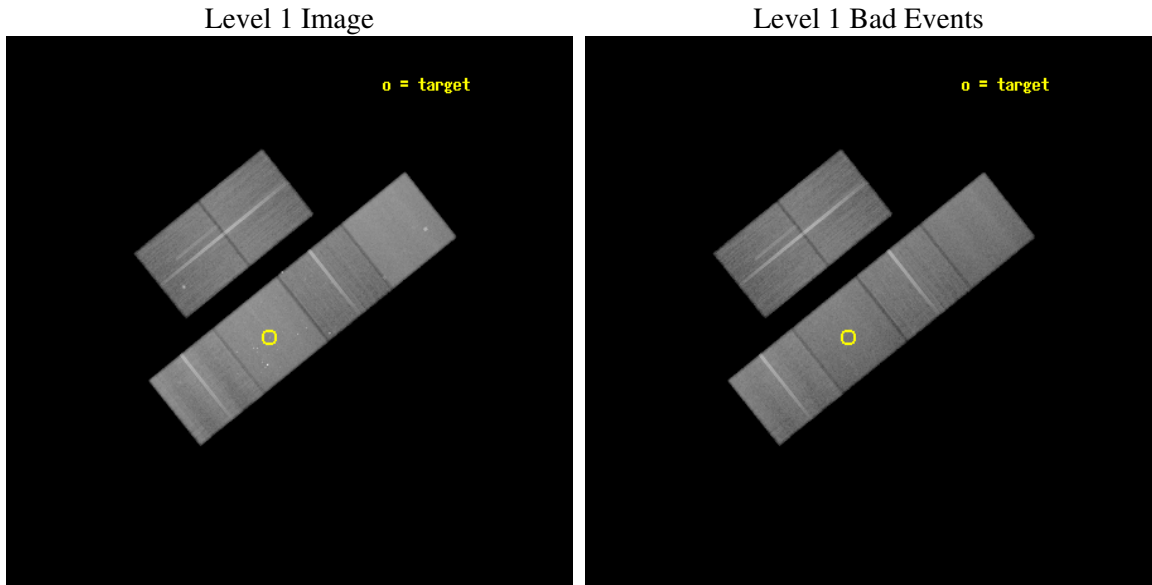
seq_num	600387
obs_id	5309
title	An Ultra-Deep Study of M101
observer	Dr. K. Kuntz
object	M101
dtcycle	0
cycle	P
ra_targ	210.80375
dec_targ	54.348778
ra_nom	210.7446047545
dec_nom	54.378795119791
roll_nom	141.20470143323
revision	2
ontime	71679.999732971
livetime	70772.344415838
ontime2	71673.517752528
ontime3	71676.758752704
ontime5	71679.999732971
ontime6	71679.999732971
ontime7	71679.999732971
ontime8	71676.758732796
l2events	754806



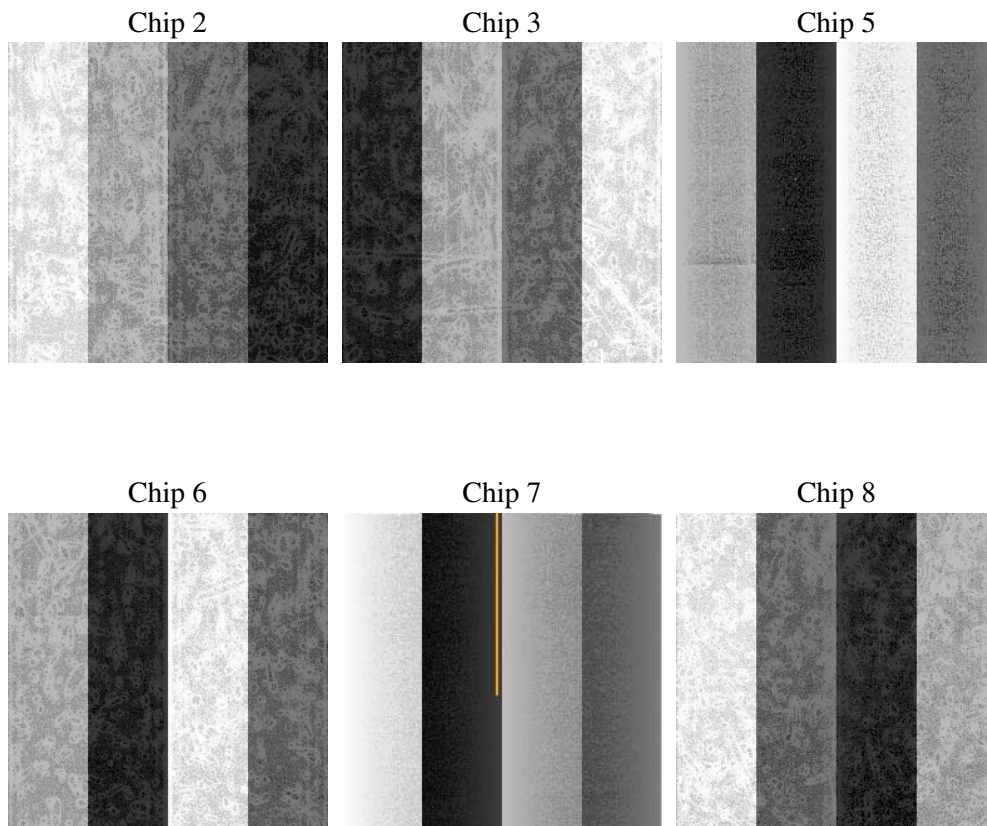
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.7.2
caldbver	3.2.2
date	2006-05-29T13:29:17
revision	2

sched_exp_time	71500.000000
ontime	72575.958584279
ontime2	72569.476603836
ontime3	72572.717604011
ontime5	72575.958584279
ontime6	72575.958584279
ontime7	72575.958584279
ontime8	72572.717584103
l1events	3463165

2.1.4 Events

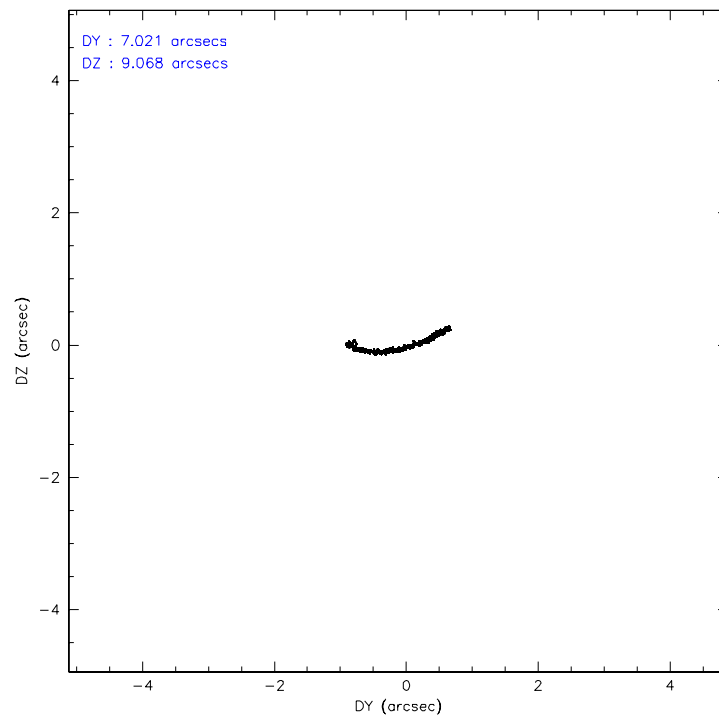
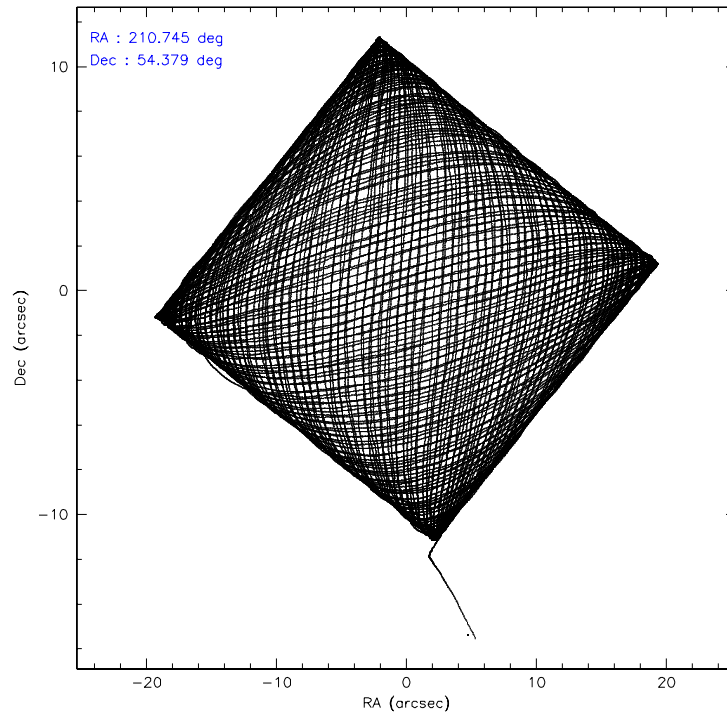
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	501072	467937	713995	492221	674934	613006
rejected events	445325	411773	413239	432906	413379	484656
rejected %	88%	87%	57%	87%	61%	79%

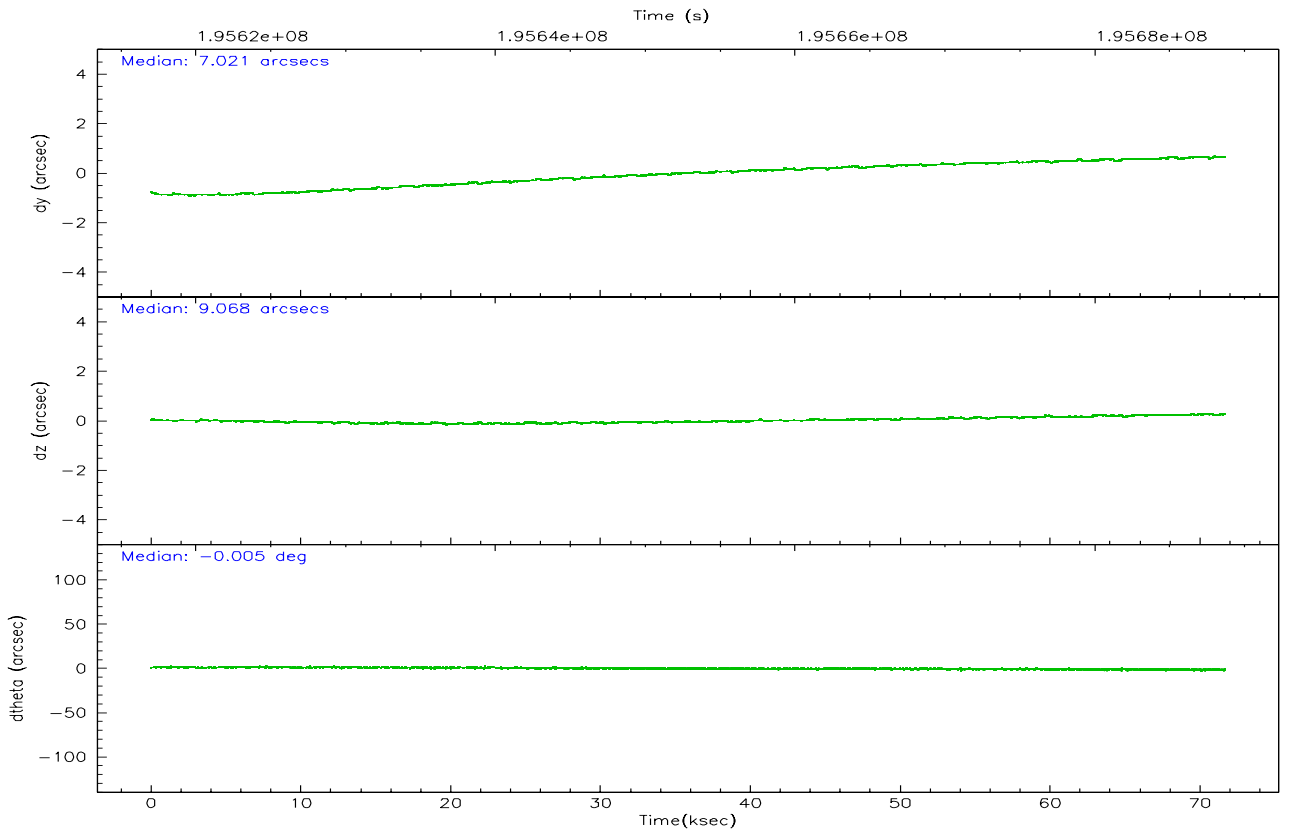
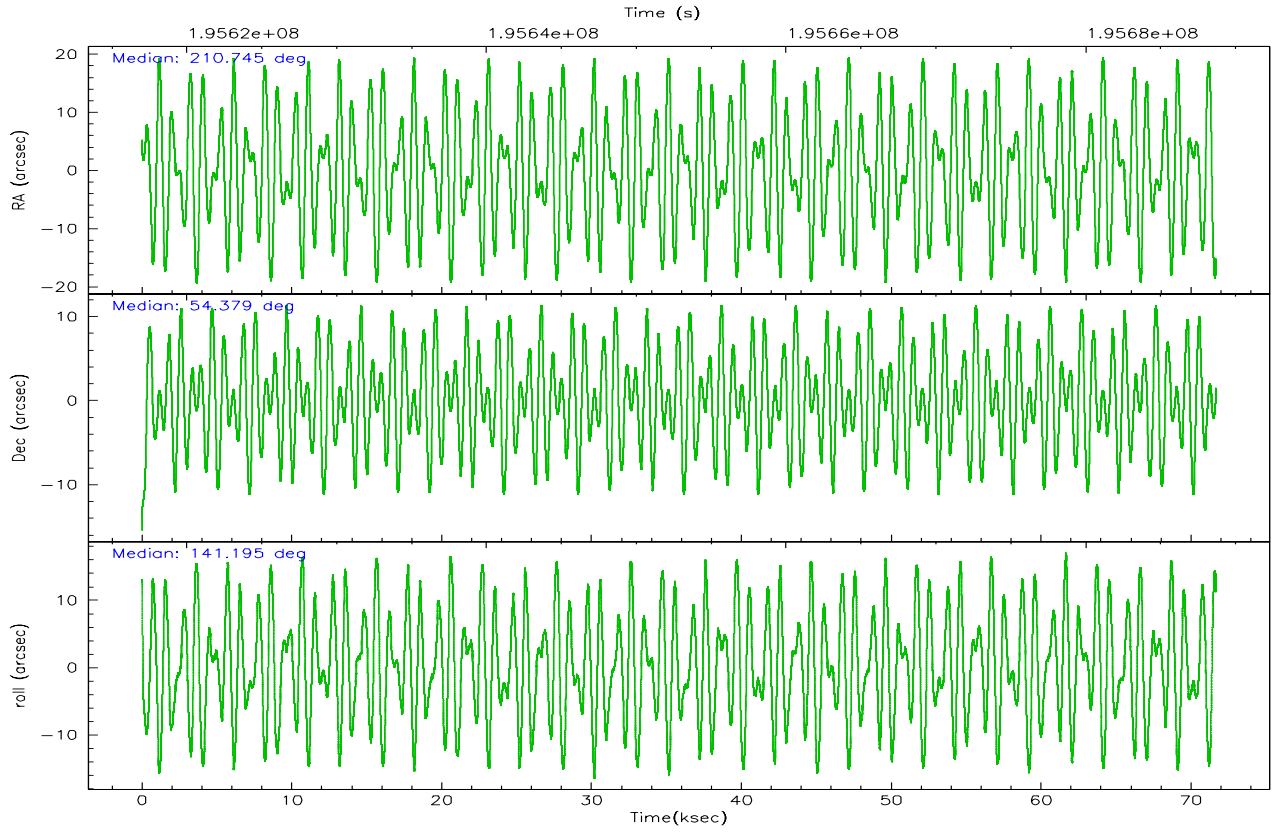
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	24488	25414	15173	24760	20306	41508
	4%	5%	2%	5%	3%	6%
grade 1 events	285	265	764	228	390	420
	0%	0%	0%	0%	0%	0%
grade 2 events	11672	10609	95152	12109	65873	28160
	2%	2%	13%	2%	9%	4%
grade 3 events	5455	5483	6748	5918	14232	13597
	1%	1%	0%	1%	2%	2%
grade 4 events	5306	5572	6589	5602	13736	12720
	1%	1%	0%	1%	2%	2%
grade 5 events	19734	21446	34239	22787	43846	29268
	3%	4%	4%	4%	6%	4%
grade 6 events	9466	9808	181228	11596	150574	33899
	1%	2%	25%	2%	22%	5%
grade 7 events	424666	389340	374102	409221	365977	453434
	84%	83%	52%	83%	54%	73%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	210.790876	210.7446047545023	Alternating exposures requested	N	N
Pointing Dec	54.375006	54.37879511979061	Primary exposure time	0.000000	3.2
Pointing Roll	141.010454	141.2047014332298			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	195617198.184000	195615682.44884			
Observation start date	2004-03-14T02:05:34	2004-03-14T01:41:22			
Observation end time	195688698.184000	195689624.92709			
Observation end date	2004-03-14T21:57:14	2004-03-14T22:13:44			
Read mode	TIMED	TIMED			

2.3 Aspect



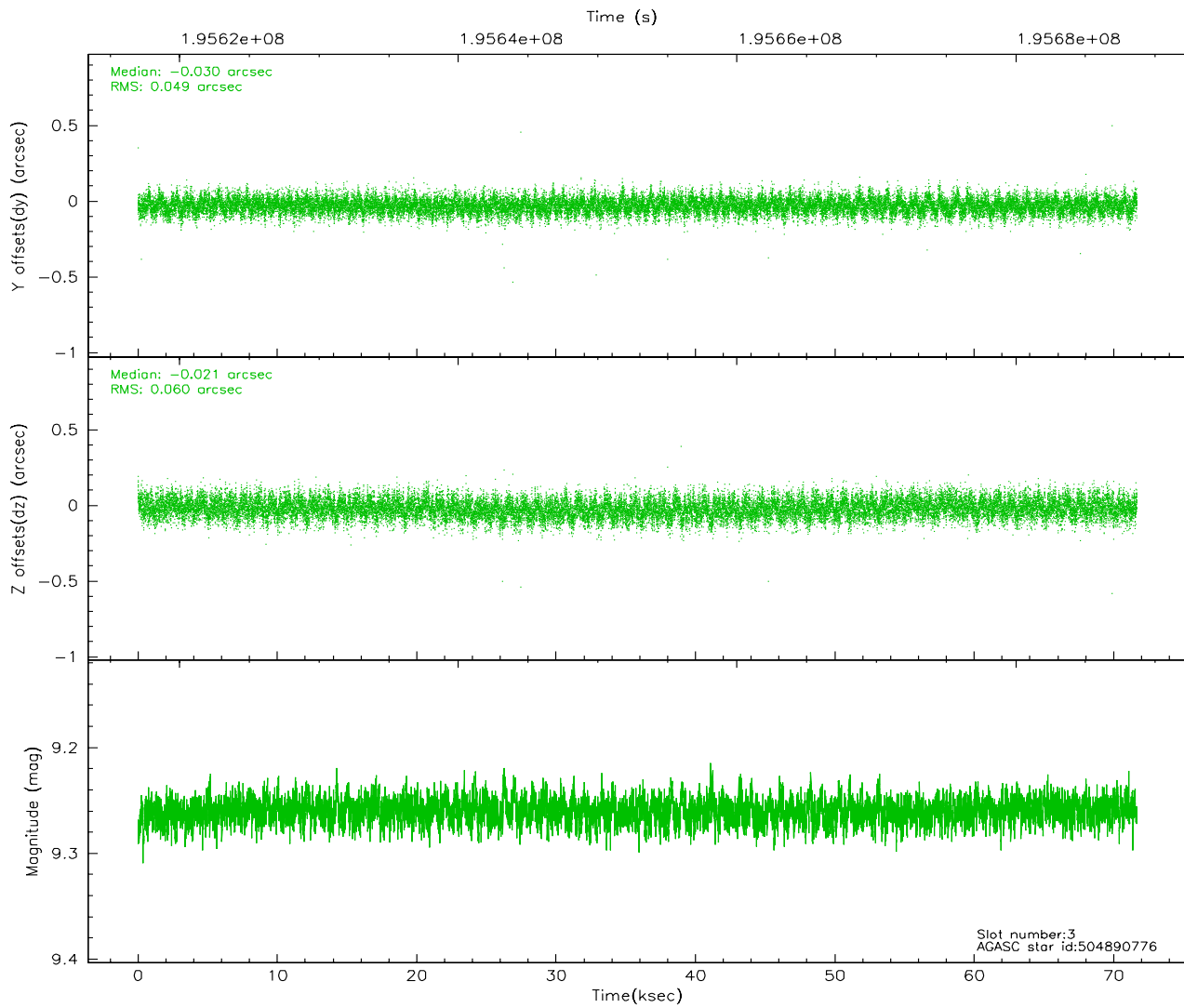
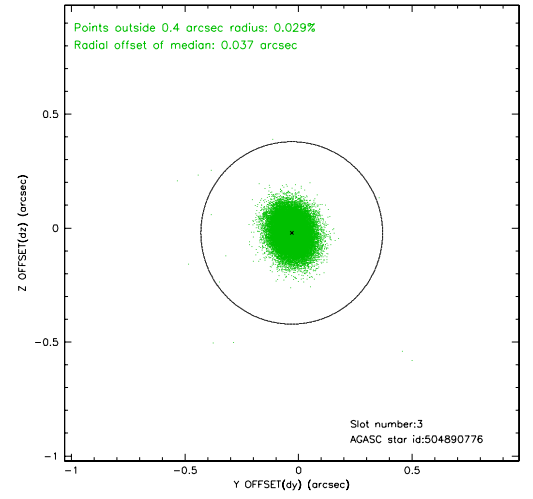
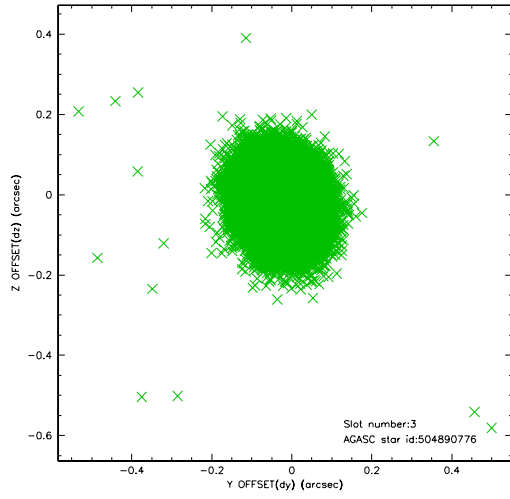


Slot Statistics

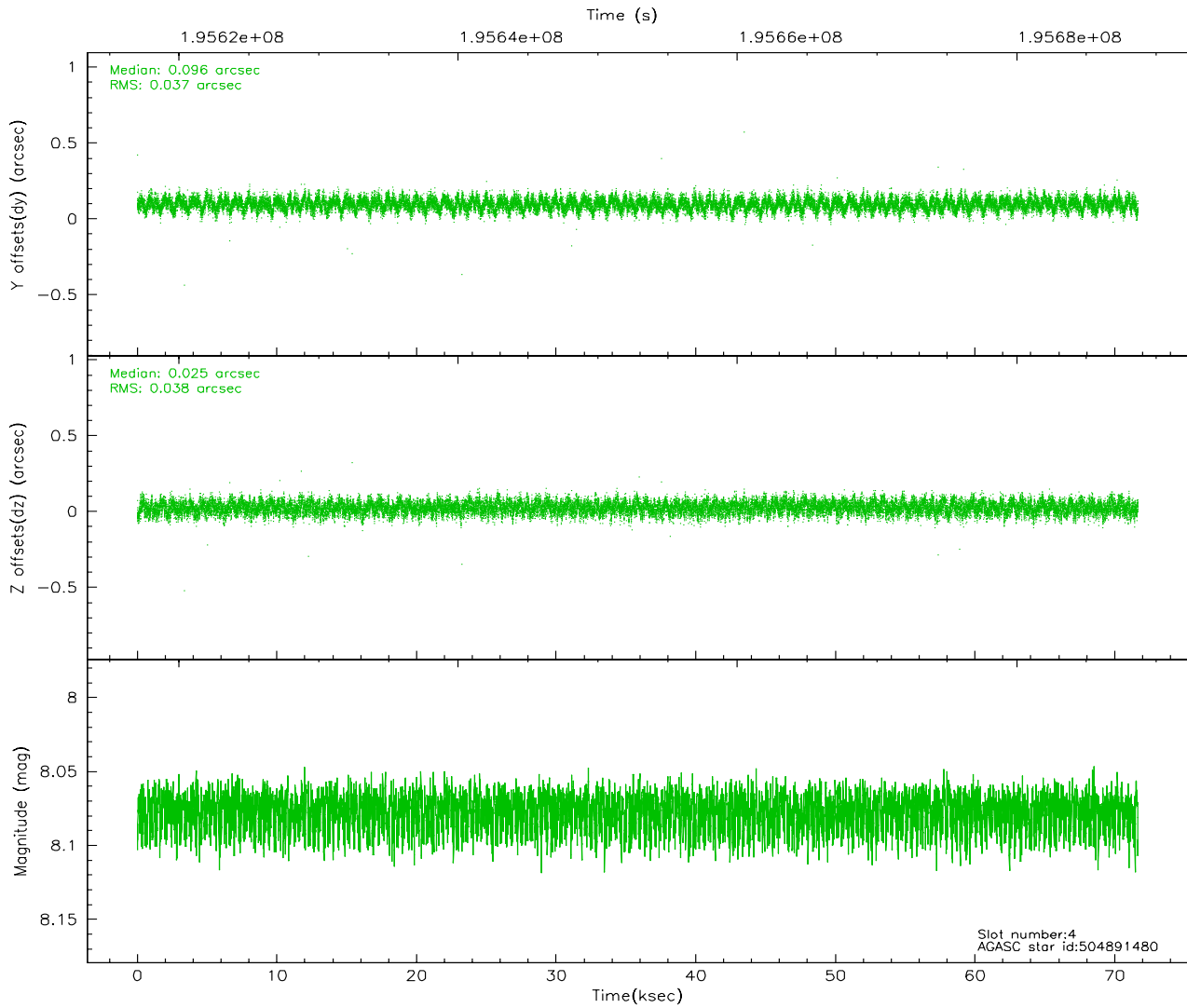
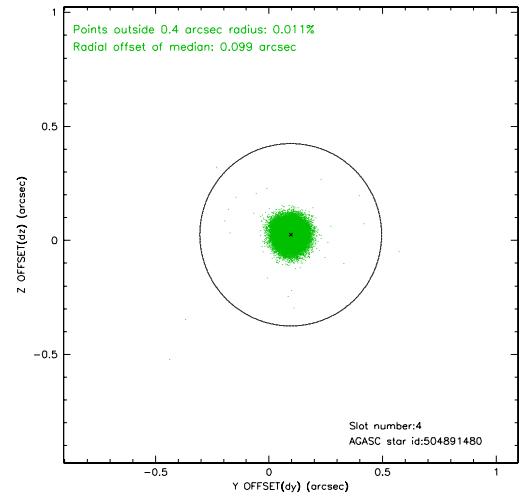
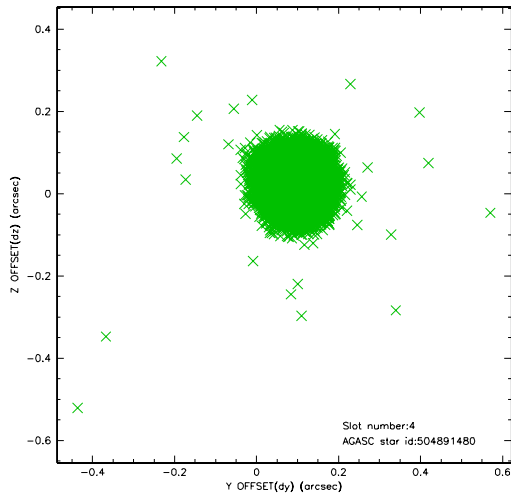
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	17484	-0.025	-0.015	0.013	0.019	0.000000	0.000000	-759.71	-1730.33
1	FID	ACIS-S-4	7.20	17485	0.032	0.017	0.011	0.020	0.000000	0.000000	2153.63	178.27
2	FID	ACIS-S-5	7.23	17485	-0.037	0.007	0.009	0.015	0.000000	0.000000	-1812.66	171.83
3	GUIDE	504890776	9.26	34951	-0.030	-0.021	0.081	0.133	211.095934	54.816966	510.64	-1635.71
4	GUIDE	504891480	8.08	34968	0.096	0.025	0.057	0.089	210.708012	54.666096	794.02	-705.84
5	GUIDE	504893088	9.22	34954	0.013	-0.086	0.073	0.119	210.351715	54.364955	695.20	605.58
6	GUIDE	504894856	8.98	34957	-0.022	-0.001	0.081	0.128	209.819510	54.132689	1052.47	1956.45
7	GUIDE	505292416	9.30	34939	-0.055	0.086	0.086	0.143	210.920759	55.040479	1300.28	-2030.47

2.4 Star Slots

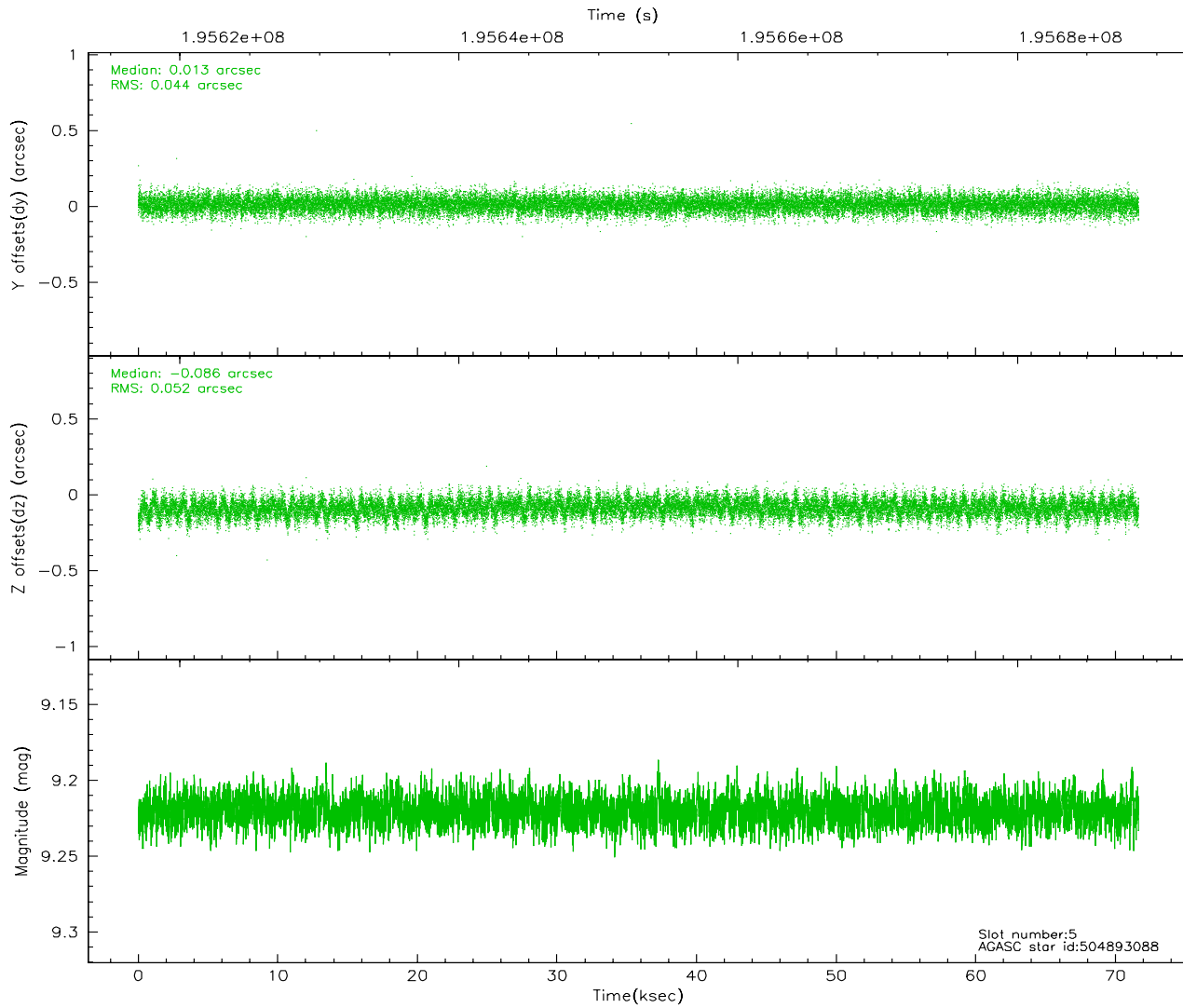
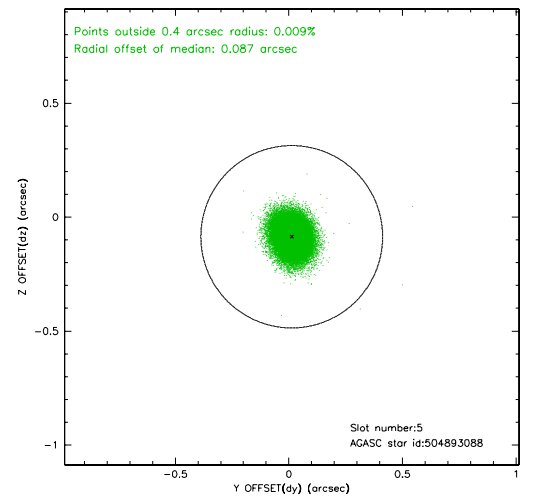
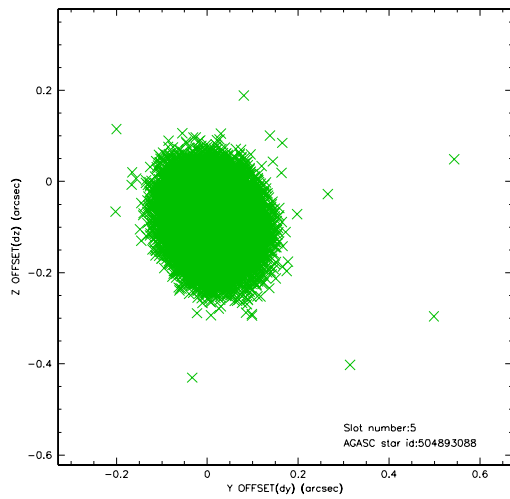
2.4.1 Slot 3



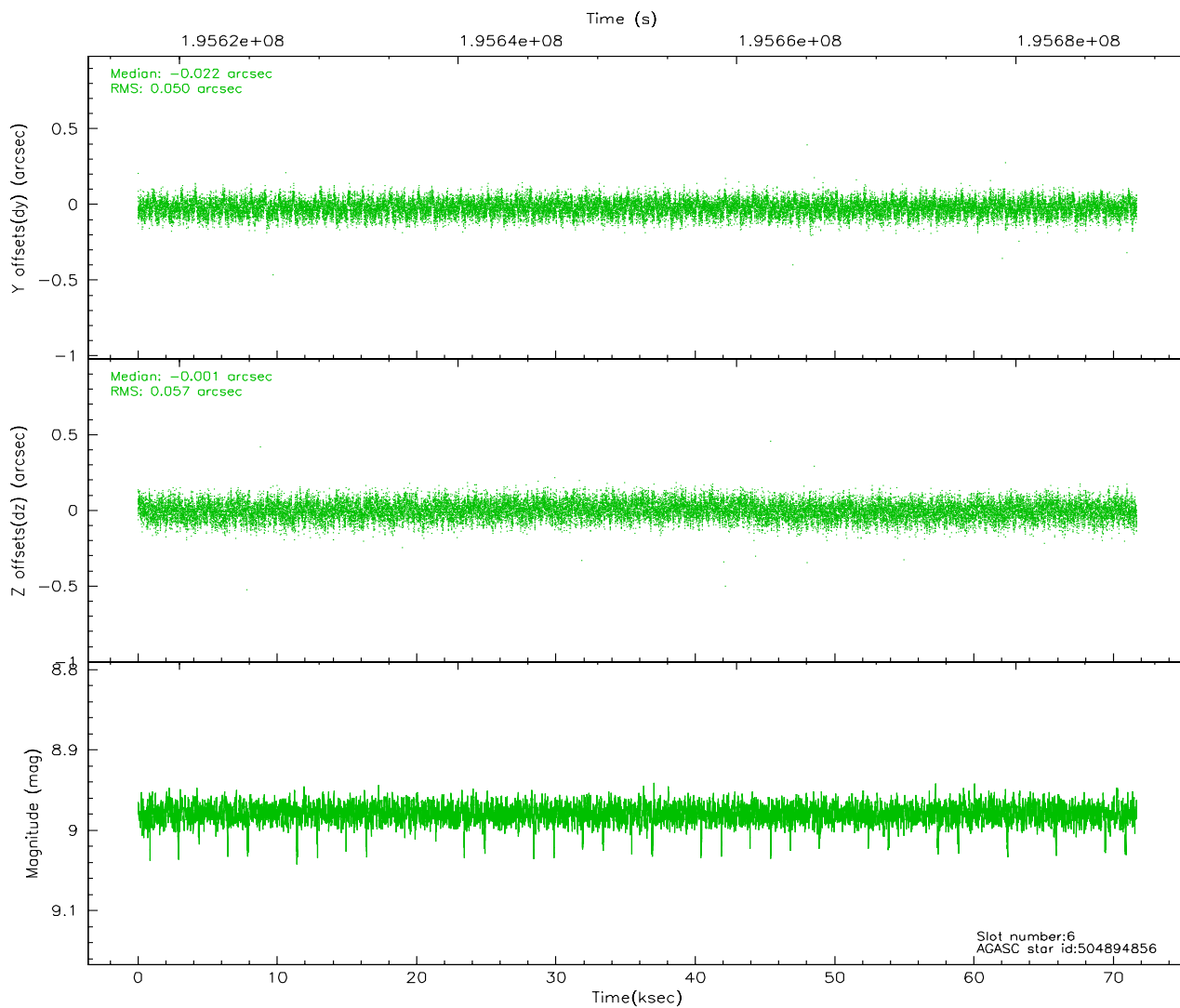
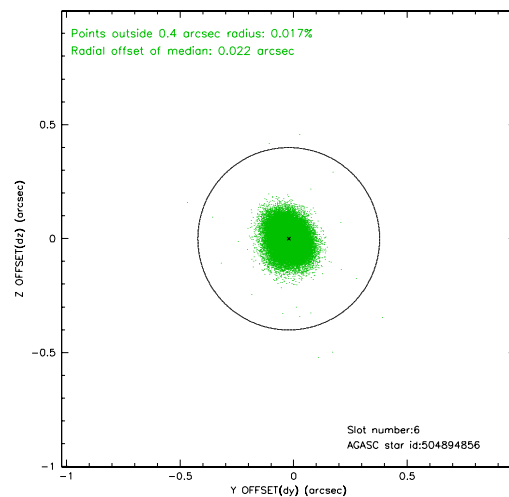
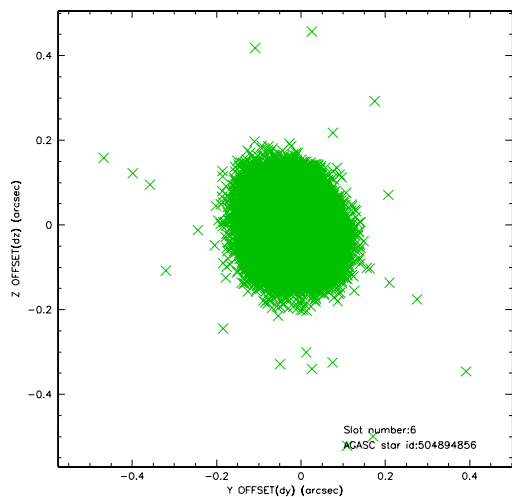
2.4.2 Slot 4



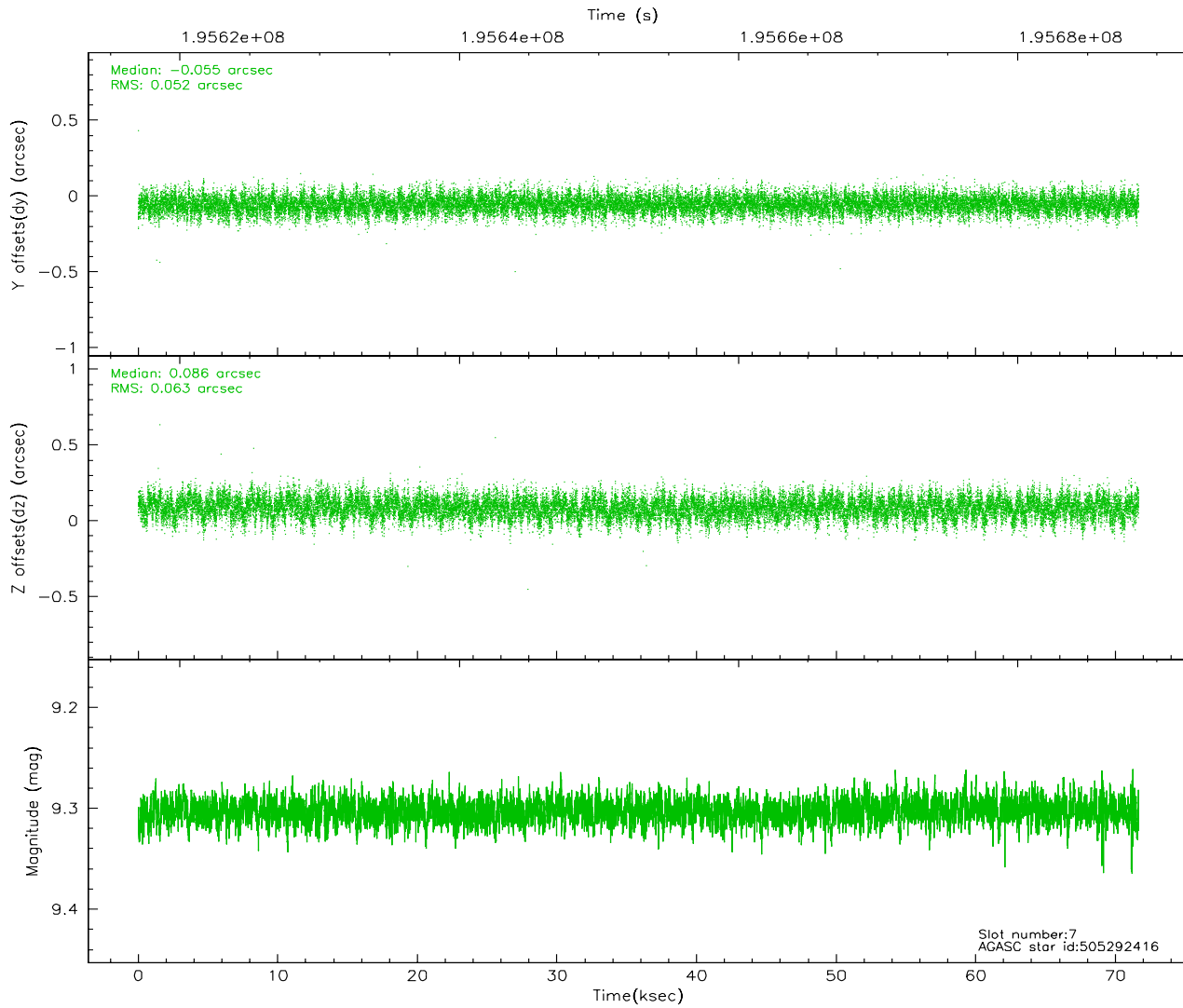
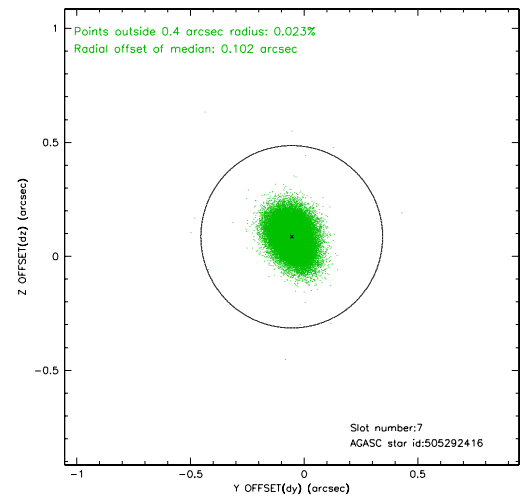
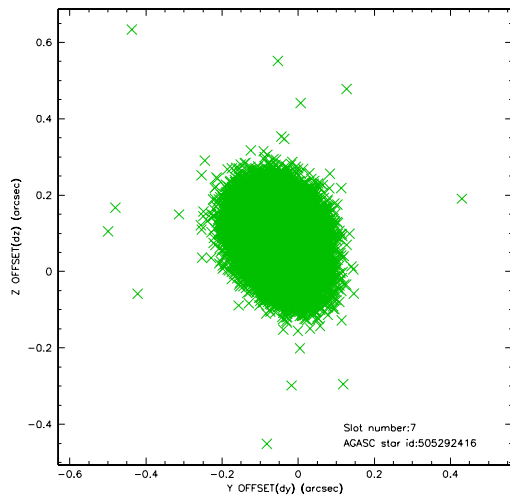
2.4.3 Slot 5



2.4.4 Slot 6

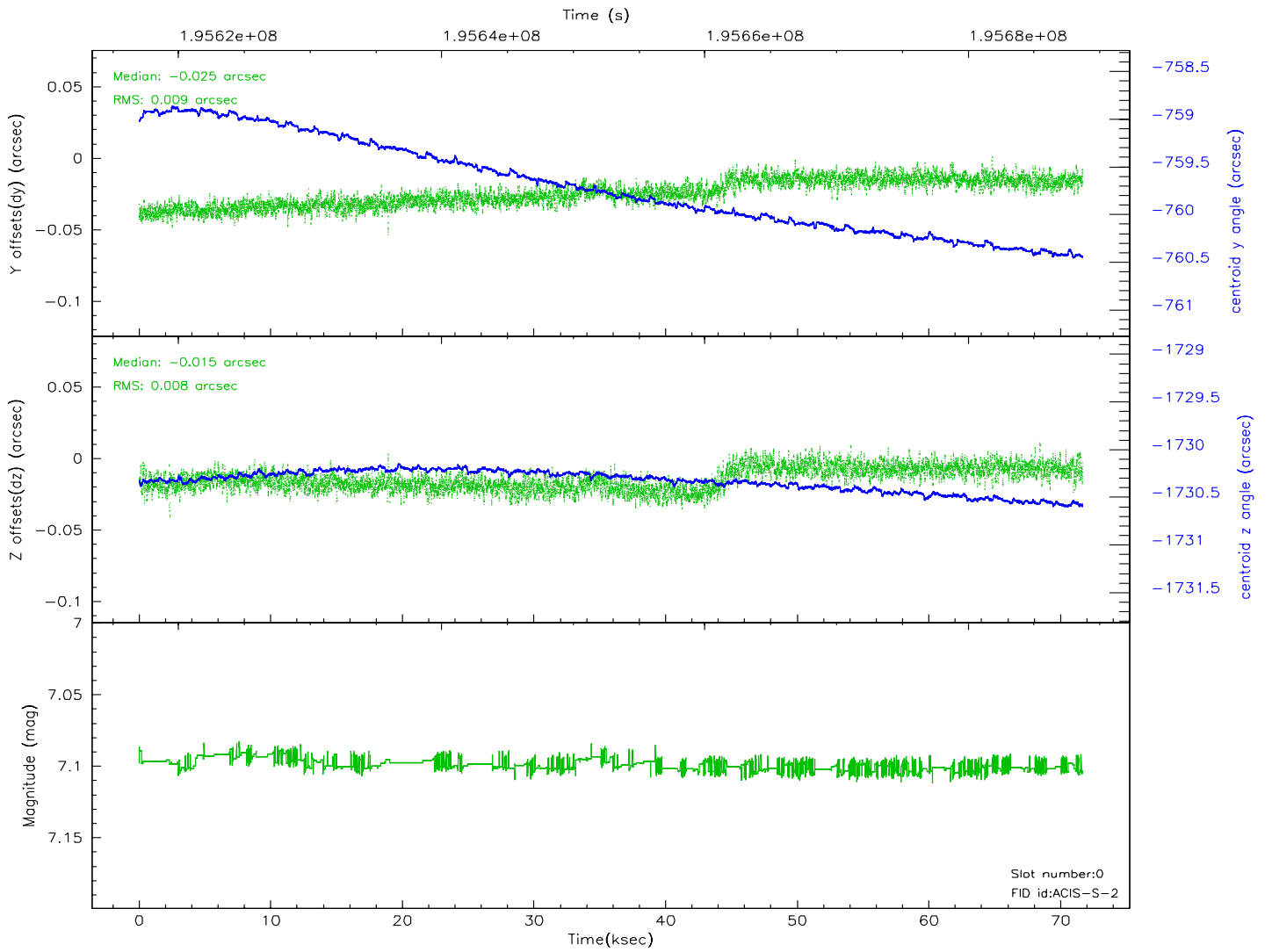
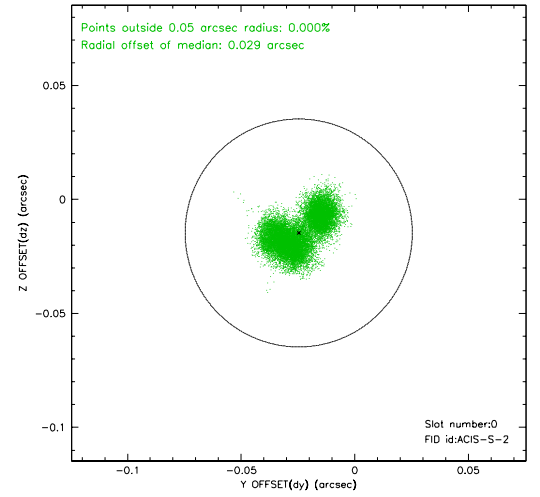
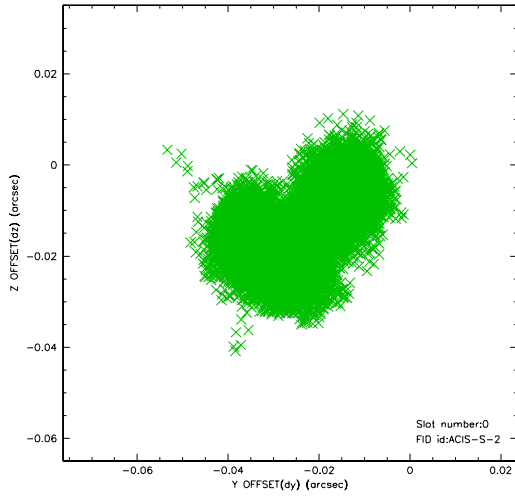


2.4.5 Slot 7

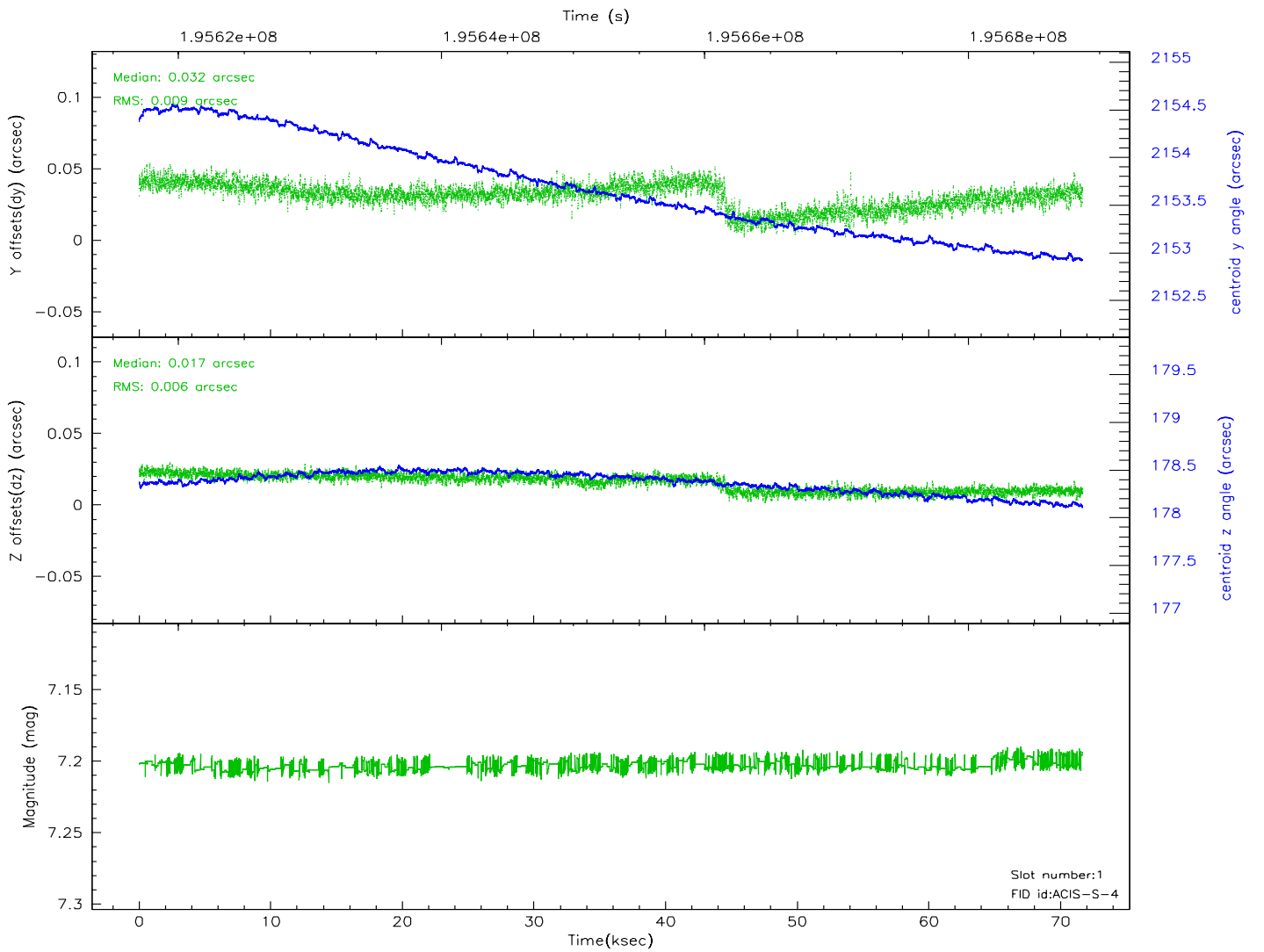
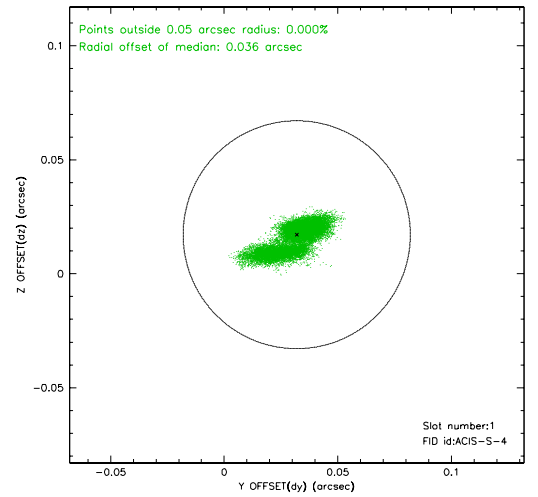
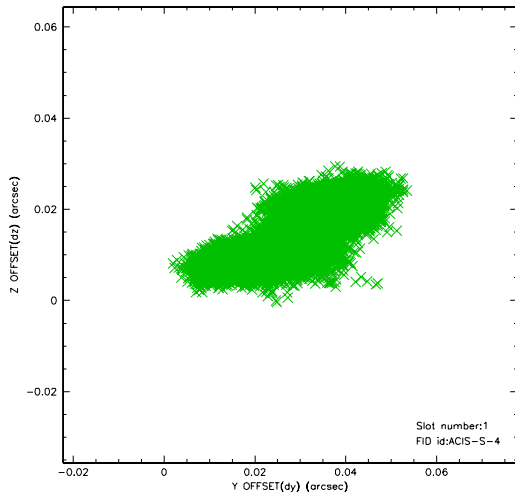


2.5 FID Slots

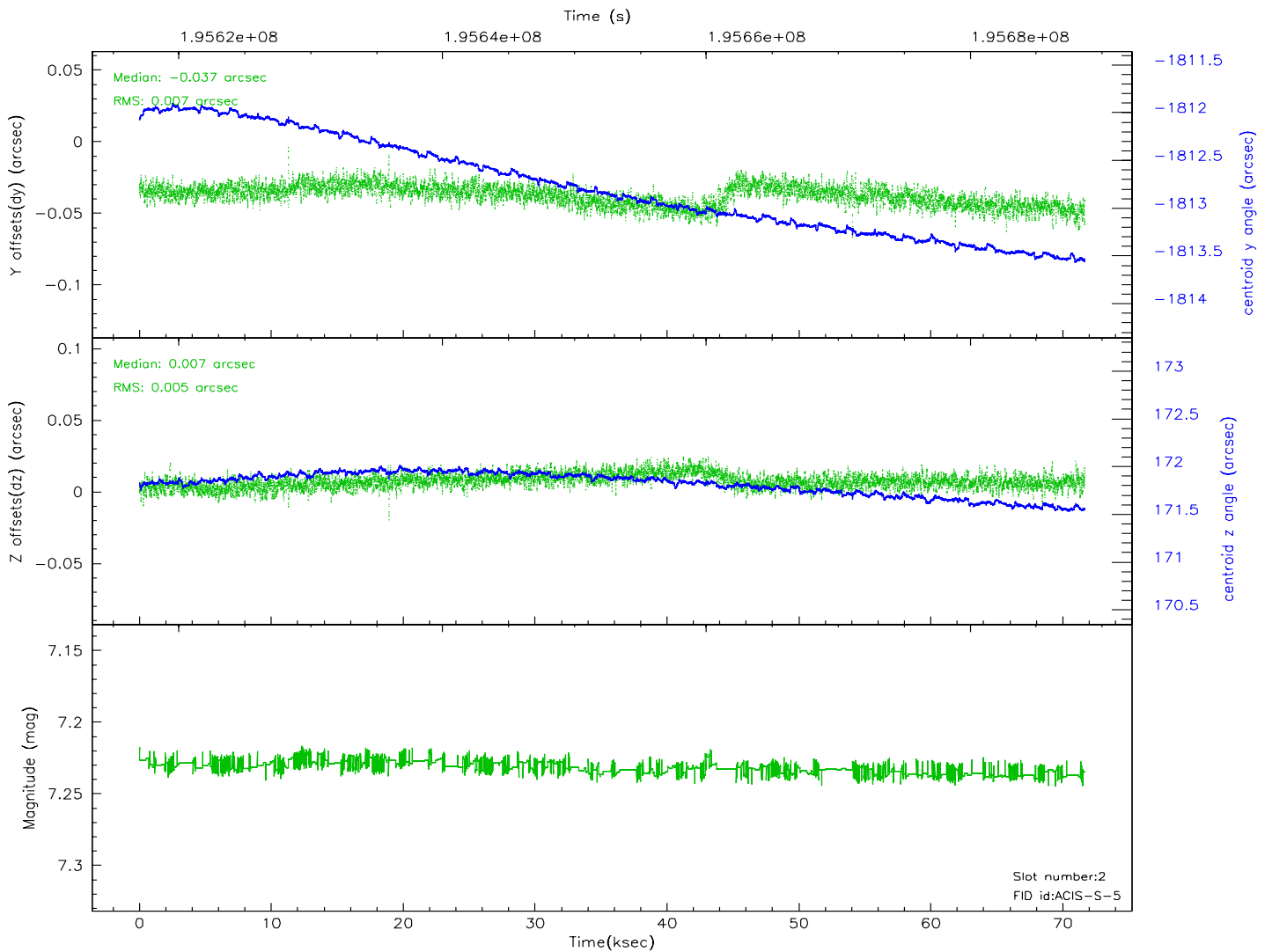
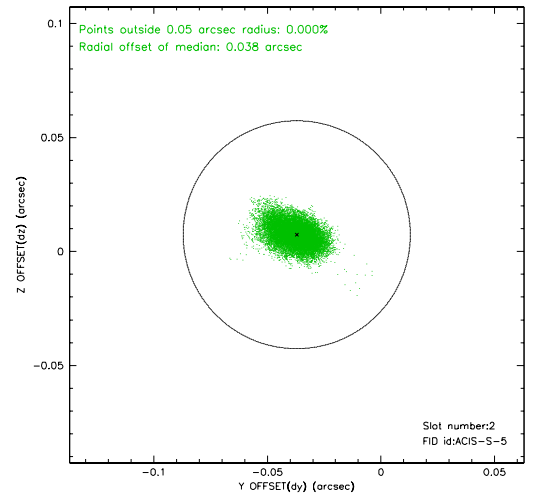
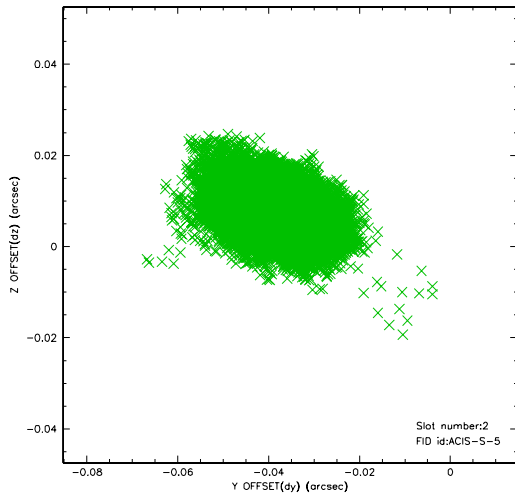
2.5.1 Slot 0



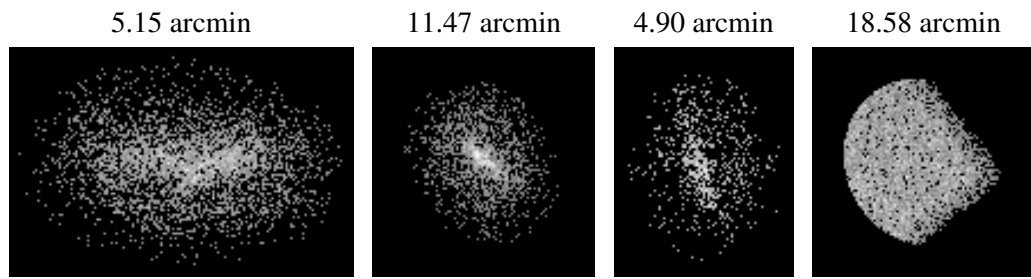
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Doug Morgan
V&V Date (YYYY-MM-DD)	2006.05.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	71.679

A.2 Comments