

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 4707 - L2 Version 001
Chandra X-Ray Center

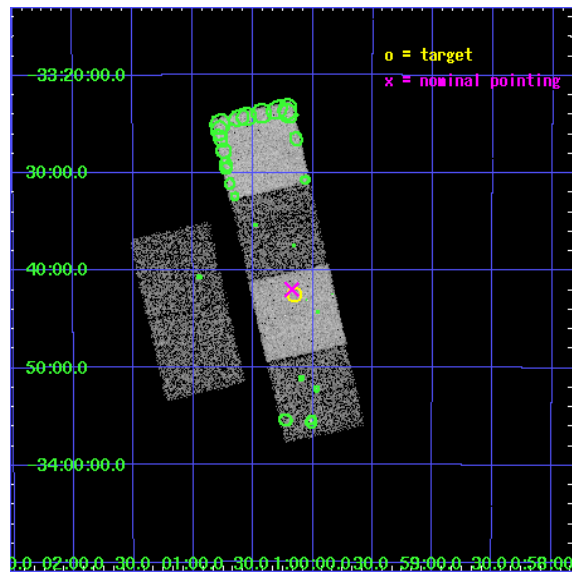
L2 Processing Date : Apr 24 2006

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1 Front

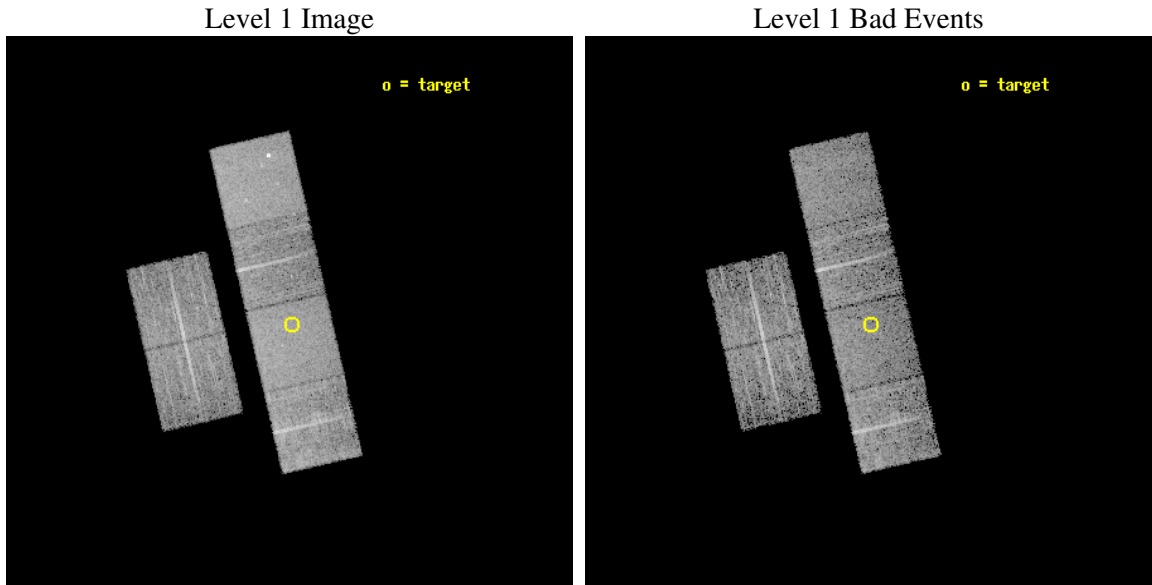
seq_num	600362
obs_id	4707
title	Using the Sculptor Dwarf Spheroidal Galaxy to Constrain X-ray Binary Production in Population II
observer	Dr. Thomas Maccarone
object	SCULPTOR DWARF SPHEROIDAL
dtcycle	0
cycle	P
ra_targ	15.039167
dec_targ	-33.708889
ra_nom	15.043725639117
dec_nom	-33.699935691505
roll_nom	77.074531088709
revision	2
ontime	5958.3999778032
livetime	5882.9511295666
ontime2	5955.1590174139
ontime3	5958.3999778032
ontime5	5958.3999778032
ontime6	5958.3999778032
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ontime8	5955.1589975357
l2events	66393



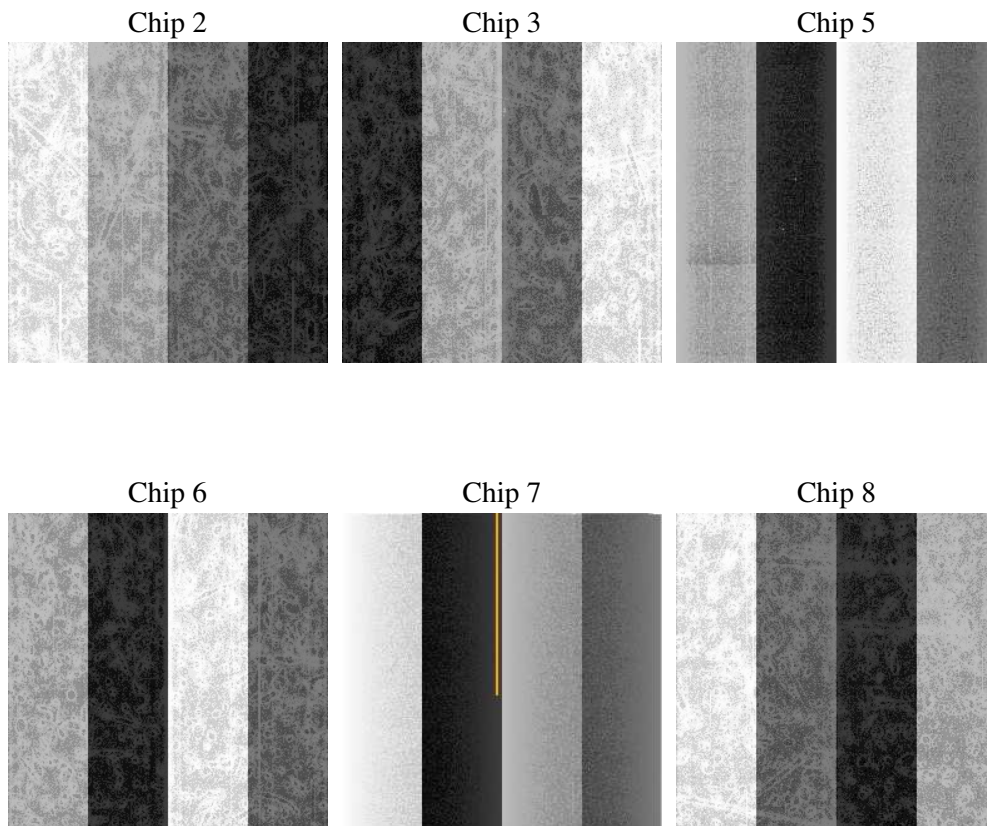
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.7.2
caldbver	3.2.1
date	2006-04-24T23:04:55
revision	2

sched_exp_time	6000.000000
ontime	5963.4558154047
ontime2	5960.2148550153
ontime3	5963.4557955265
ontime5	5963.4558154047
ontime6	5963.4558154047
ontime7	5963.4558154047
ontime8	5960.2148351371
l1events	306481

2.1.4 Events

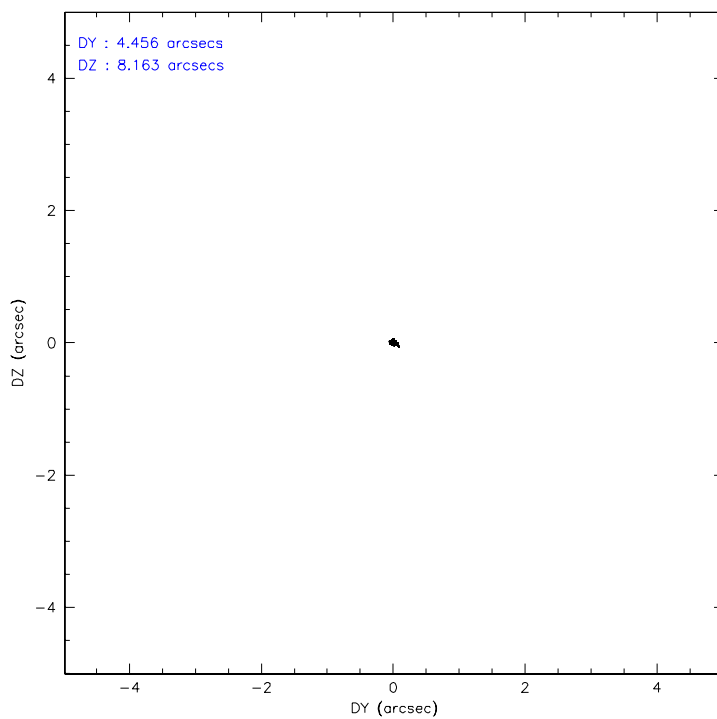
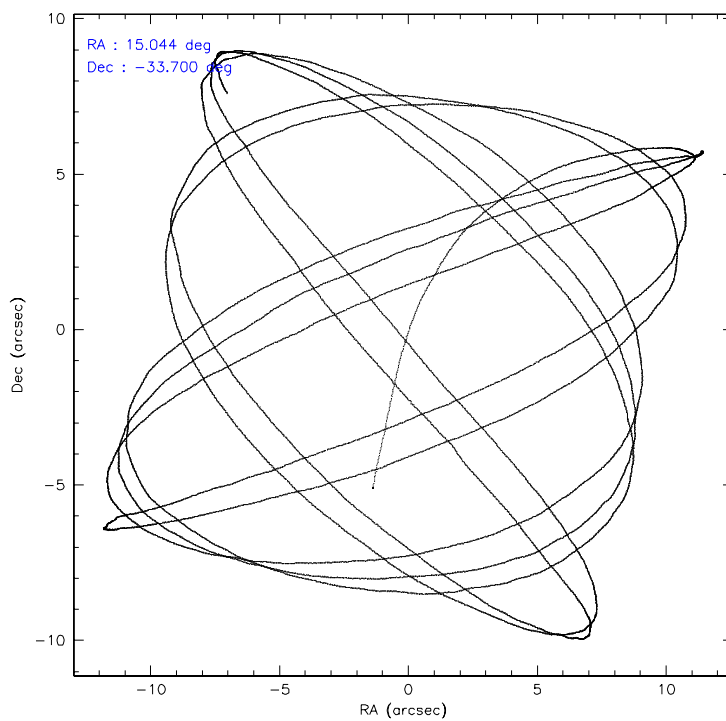
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	43974	41688	64084	43507	57677	55551
rejected events	38851	36684	36060	38352	35566	43580
rejected %	88%	87%	56%	88%	61%	78%

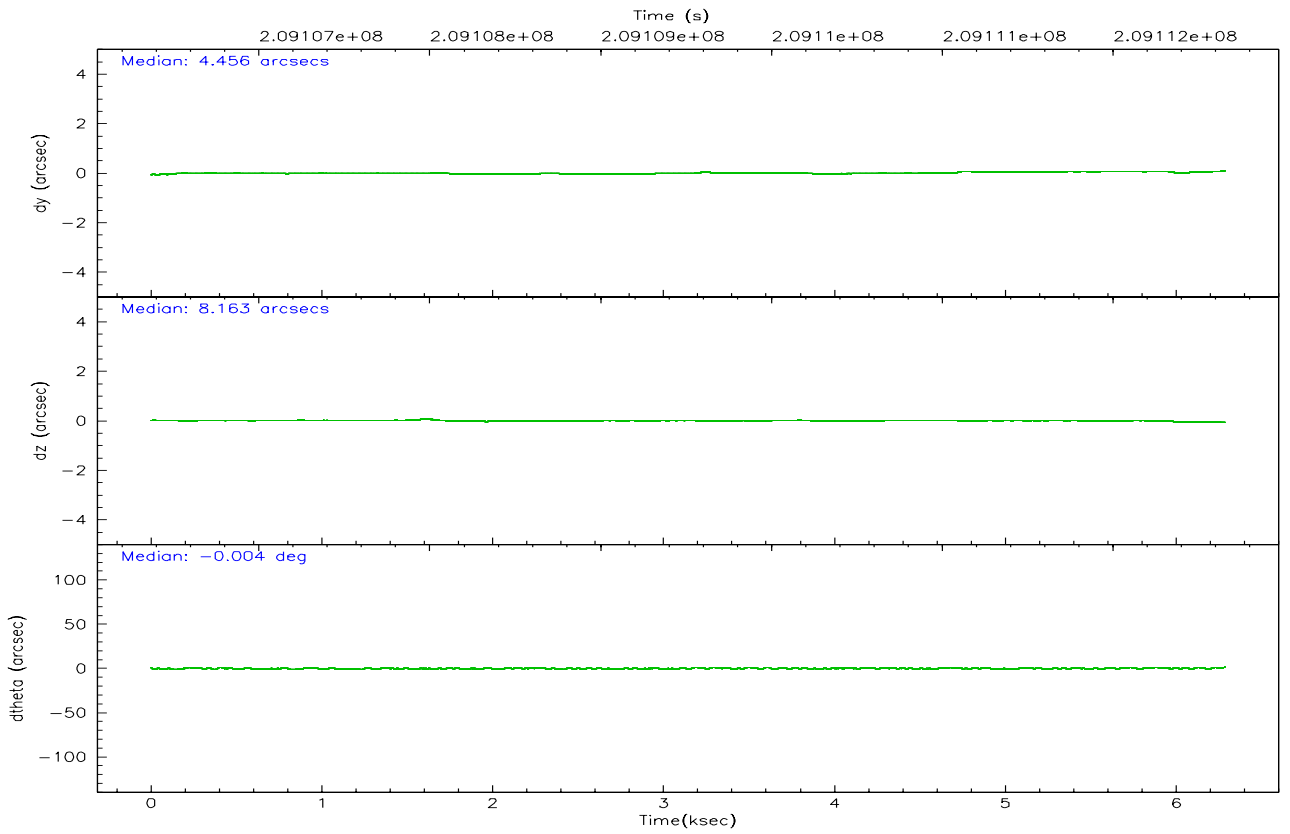
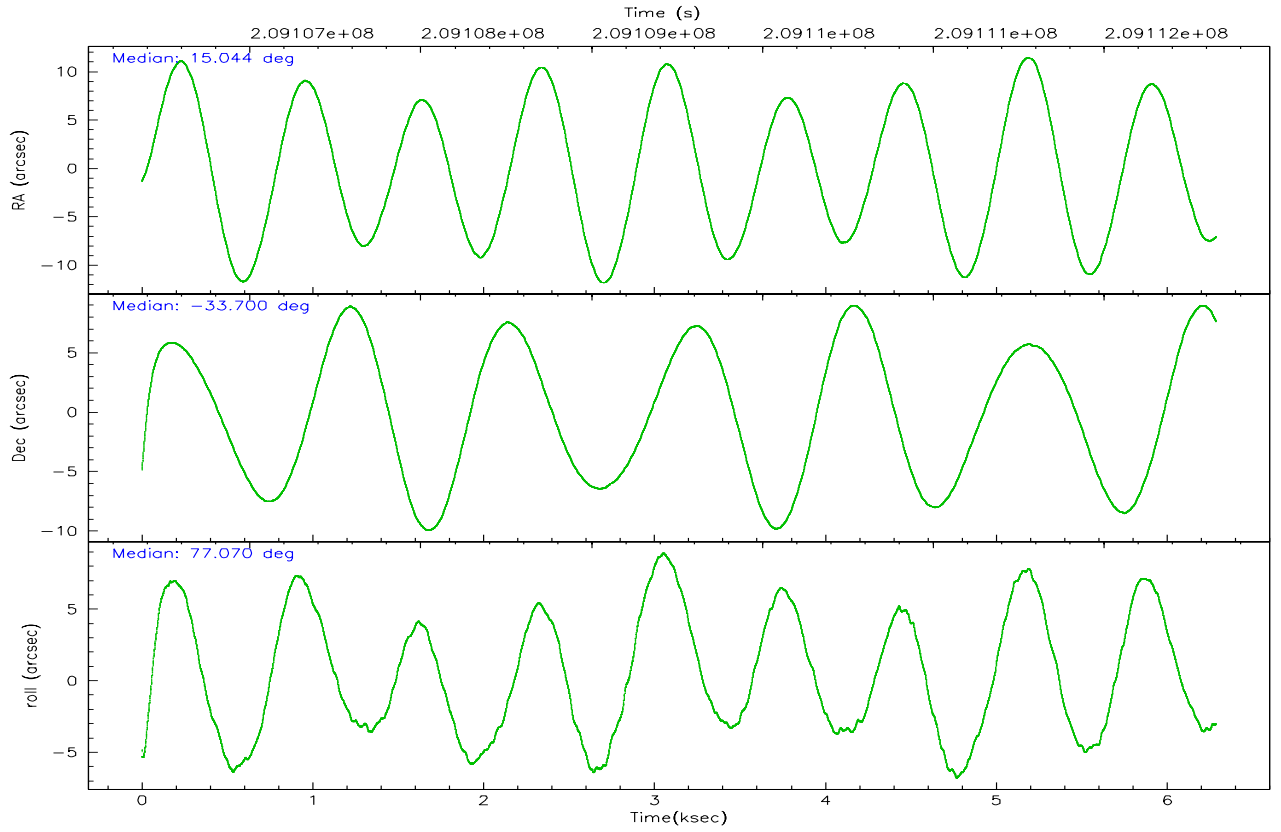
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	2242	2179	2212	2066	1205	3774
	5%	5%	3%	4%	2%	6%
grade 1 events	22	30	71	23	33	42
	0%	0%	0%	0%	0%	0%
grade 2 events	1121	1011	8505	1129	5536	2752
	2%	2%	13%	2%	9%	4%
grade 3 events	475	470	587	465	1109	1230
	1%	1%	0%	1%	1%	2%
grade 4 events	456	468	554	470	1020	1178
	1%	1%	0%	1%	1%	2%
grade 5 events	1760	1877	3088	1916	3738	2609
	4%	4%	4%	4%	6%	4%
grade 6 events	831	880	16189	1027	13248	3040
	1%	2%	25%	2%	22%	5%
grade 7 events	37067	34773	32878	36411	31788	40926
	84%	83%	51%	83%	55%	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	15.053751	15.04372563911697	Alternating exposures requested	N	N
Pointing Dec	-33.725905	-33.69993569150459	Primary exposure time	0.000000	3.2
Pointing Roll	76.923479	77.07453108870924			
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	209106655.184000	209105642.95762			
Observation start date	2004-08-17T05:09:51	2004-08-17T04:54:02			
Observation end time	209112655.184000	209113702.53298			
Observation end date	2004-08-17T06:49:51	2004-08-17T07:08:22			
Read mode	TIMED	TIMED			

2.3 Aspect



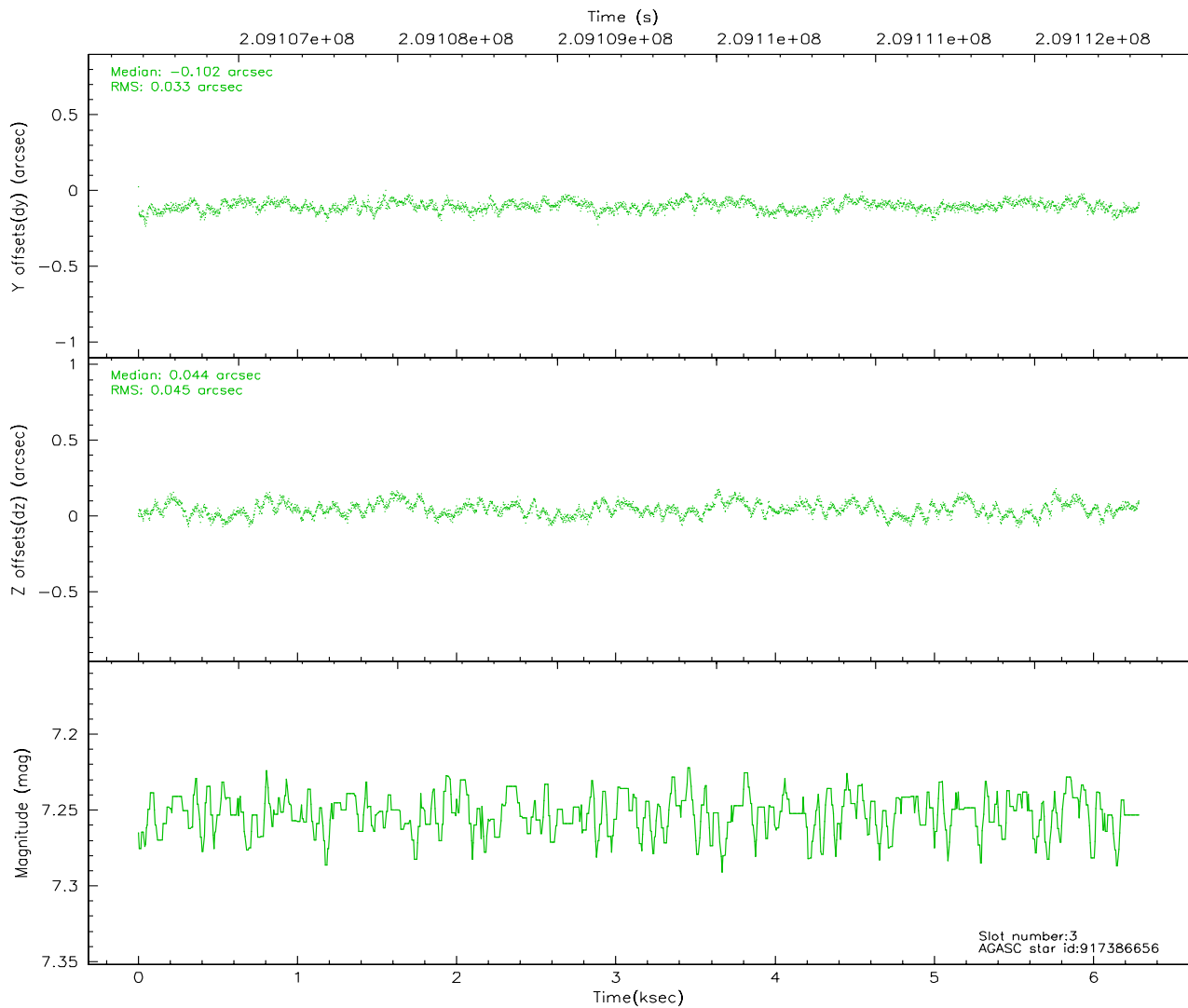
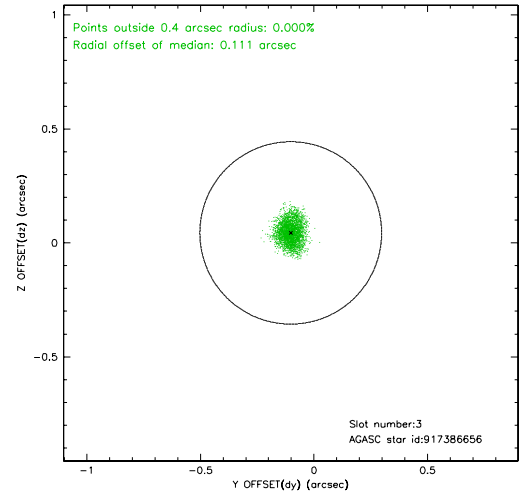
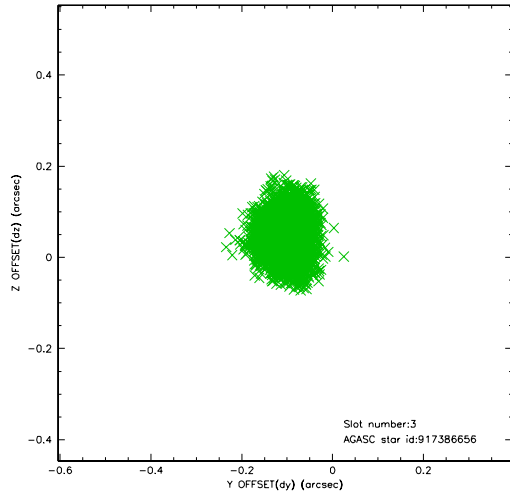


Slot Statistics

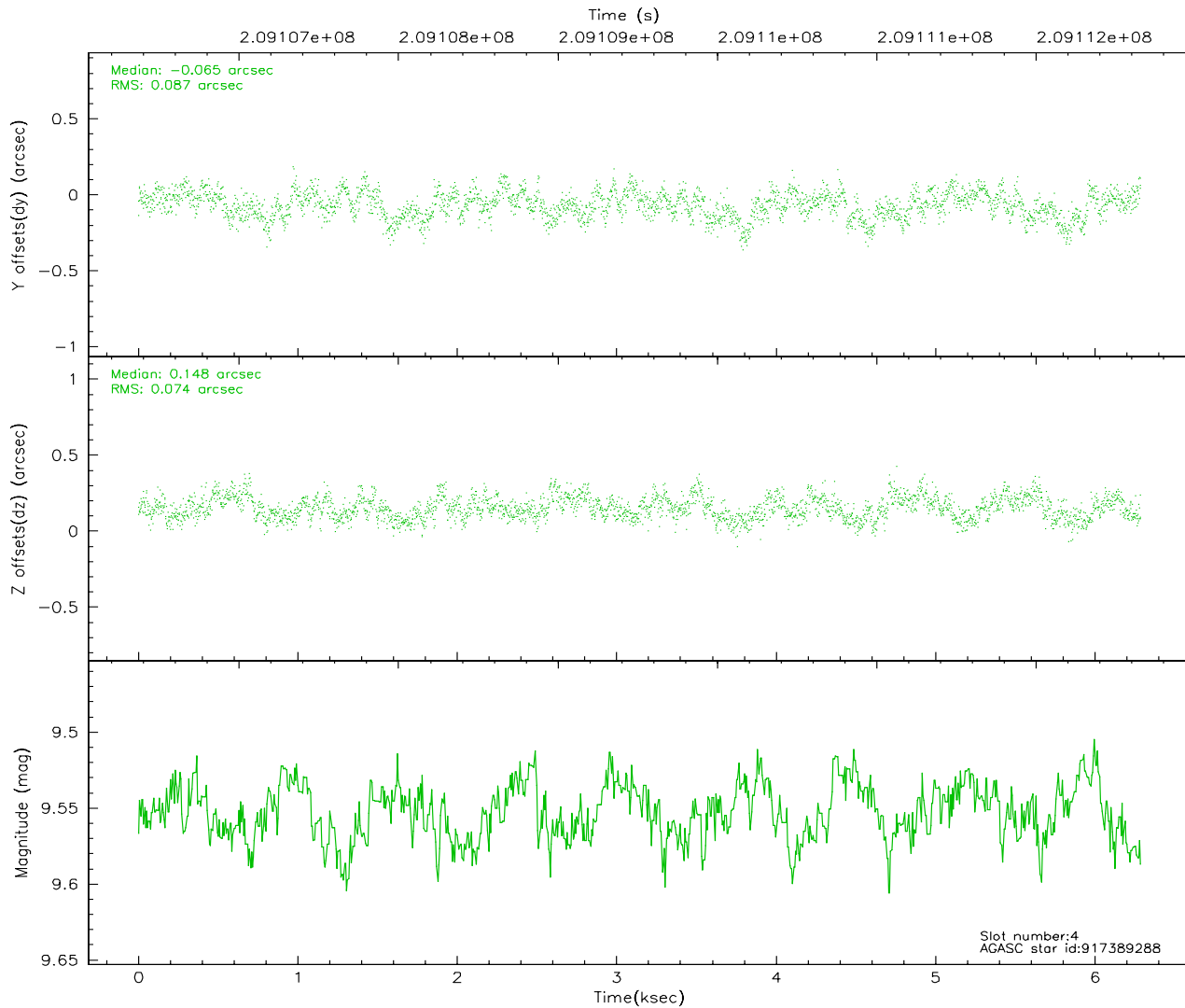
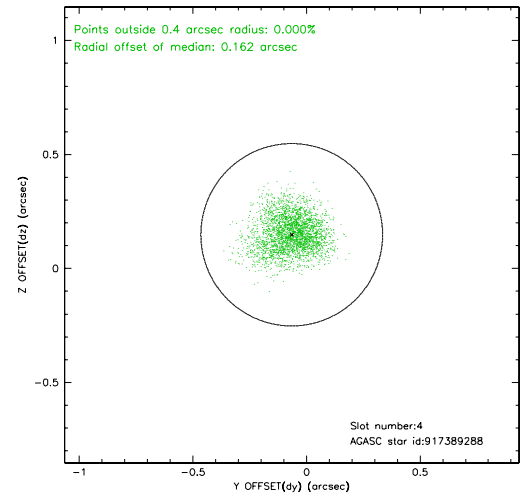
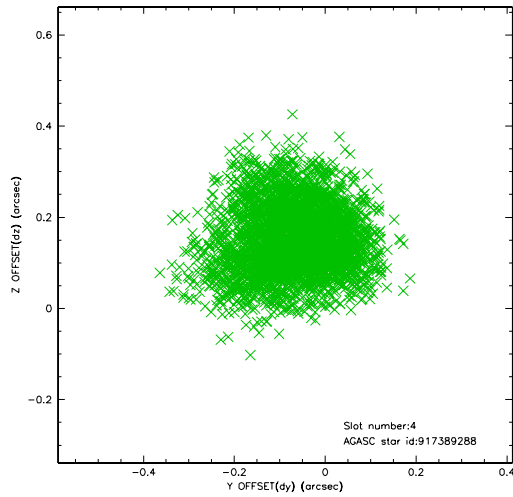
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	1534	0.025	-0.017	0.007	0.011	0.000000	0.000000	938.86	-1725.03
1	FID	ACIS-S-4	7.20	1534	0.042	0.004	0.006	0.010	0.000000	0.000000	2156.86	178.16
2	FID	ACIS-S-5	7.24	1534	-0.094	0.026	0.005	0.009	0.000000	0.000000	-1808.87	172.93
3	GUIDE	917386656	7.25	3068	-0.102	0.044	0.061	0.094	15.342124	-33.359890	1478.41	-546.58
4	GUIDE	917389288	9.55	3068	-0.065	0.148	0.123	0.194	15.394706	-33.185862	2124.78	-560.95
5	GUIDE	917390768	9.86	3065	0.078	-0.071	0.111	0.178	14.870561	-33.104152	2055.43	1044.43
6	GUIDE	917642024	8.88	3067	0.033	0.182	0.093	0.150	15.645887	-34.369984	-1864.48	-2239.70
7	GUIDE	917650528	8.72	3067	0.052	-0.305	0.074	0.125	14.274554	-33.869842	-1041.09	2148.44

2.4 Star Slots

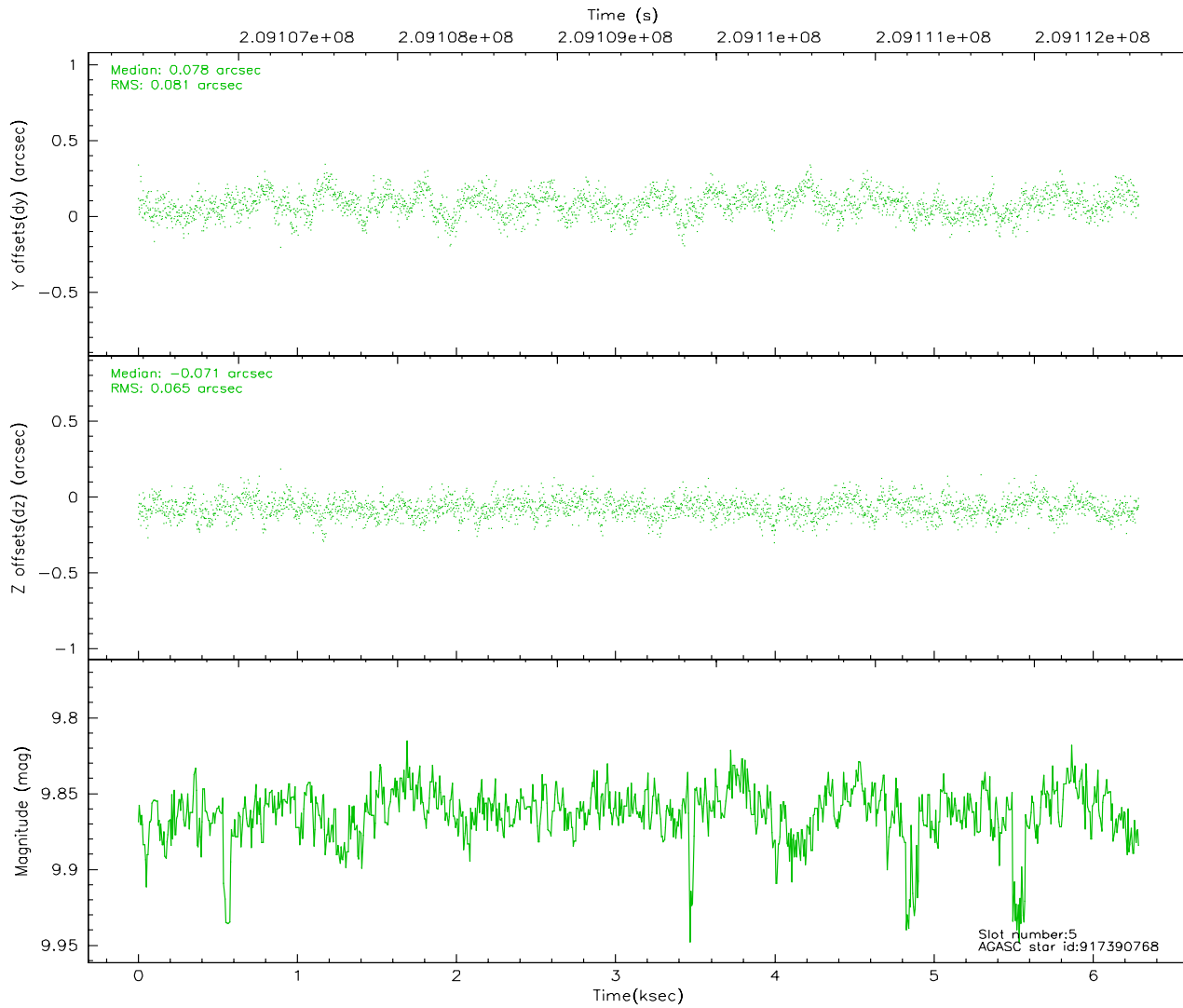
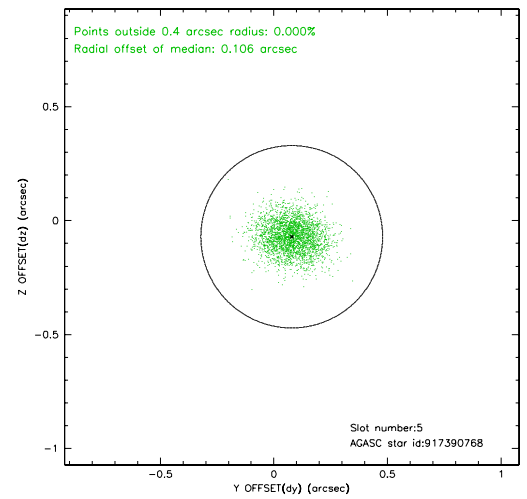
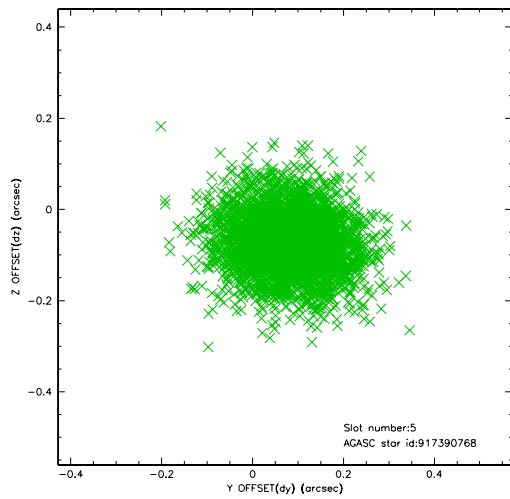
2.4.1 Slot 3



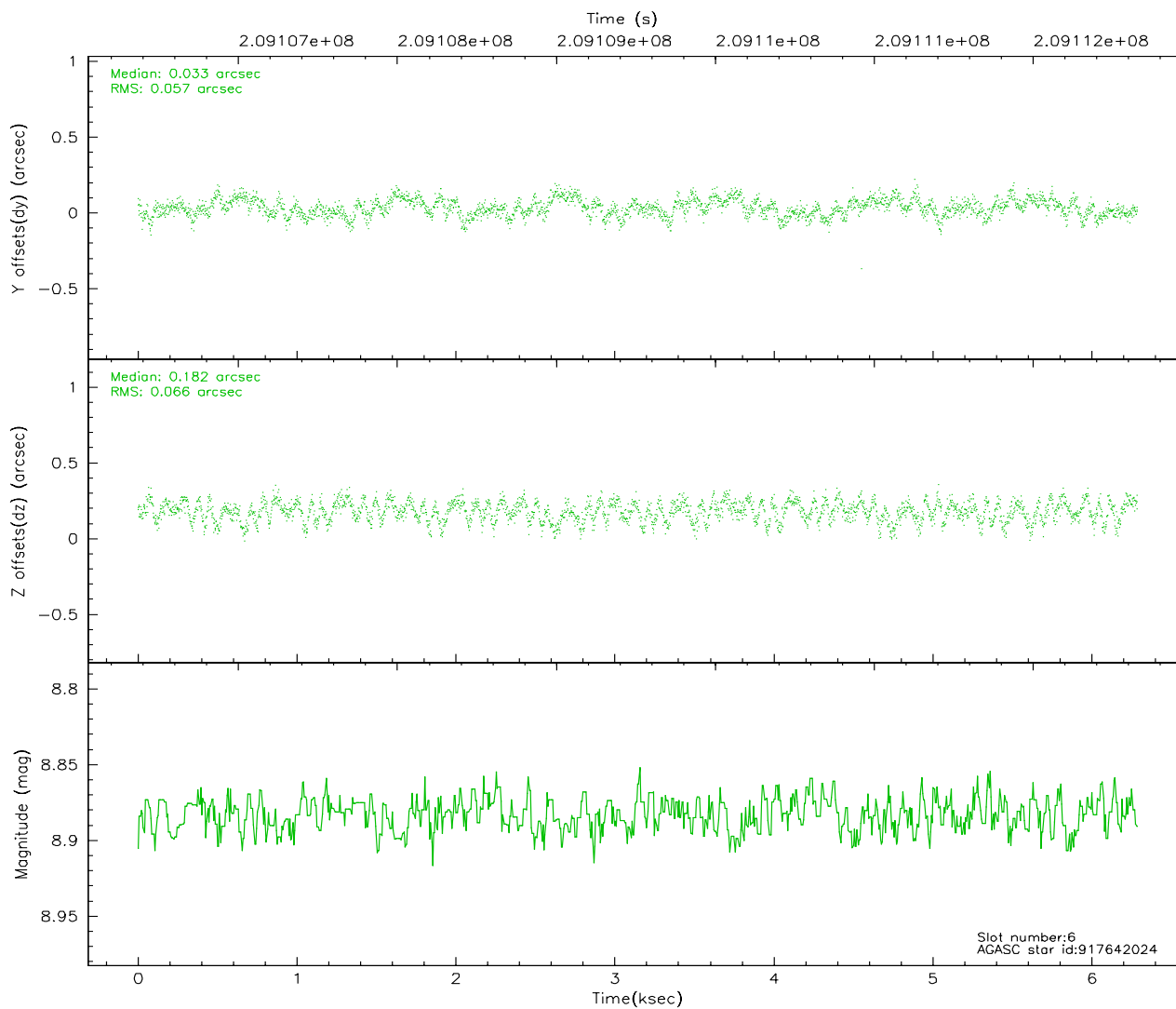
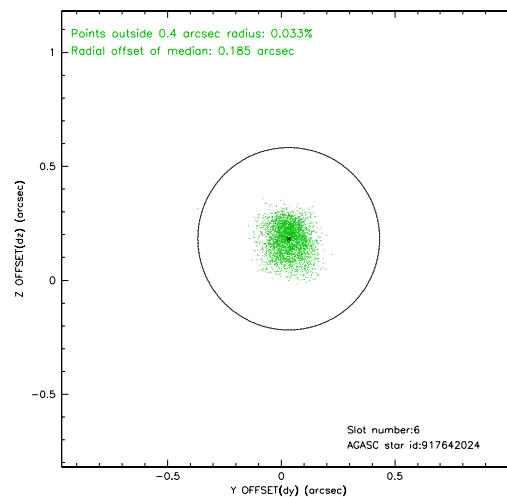
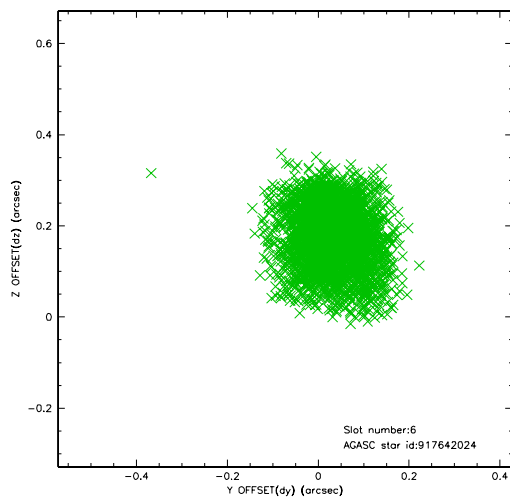
2.4.2 Slot 4



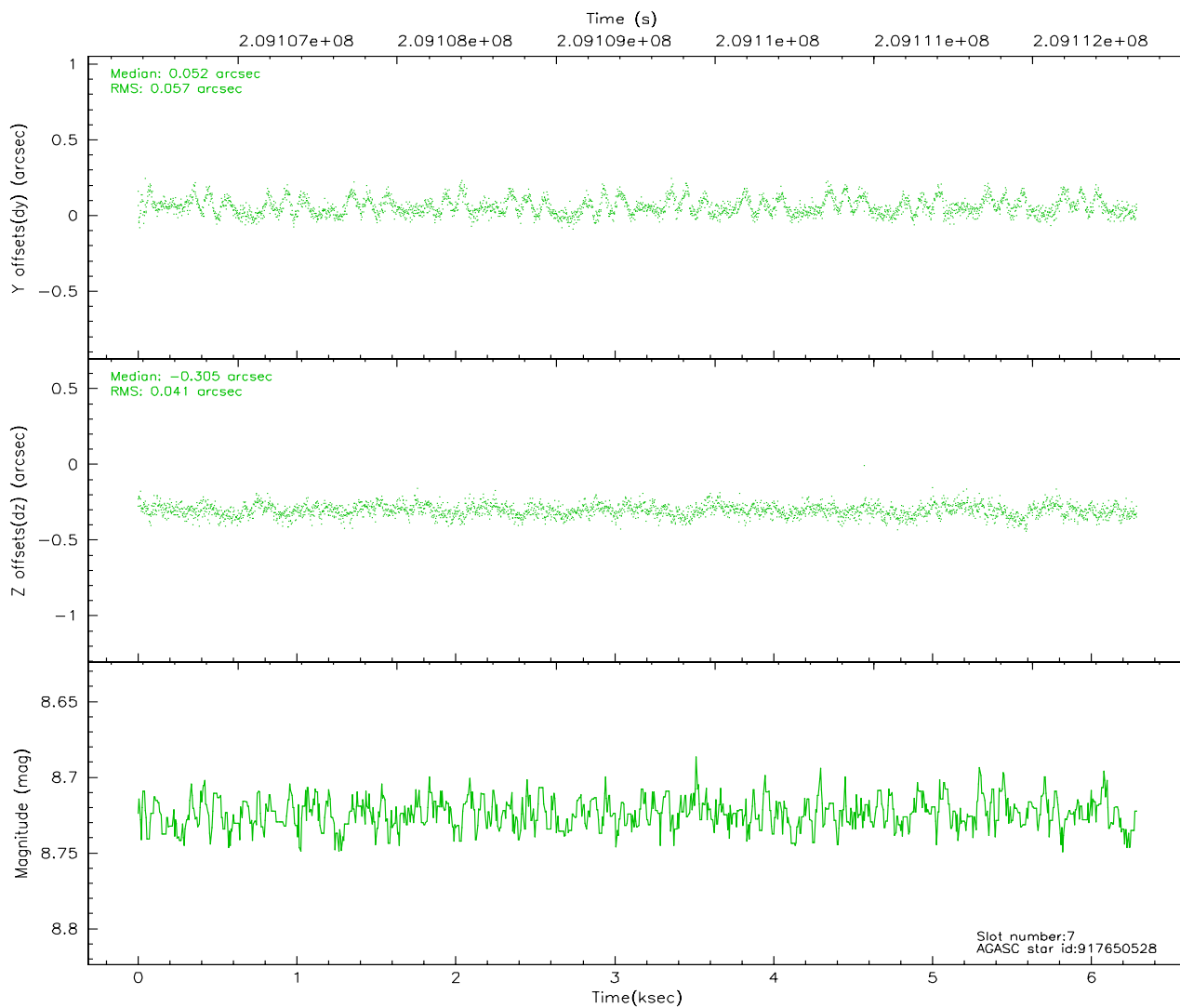
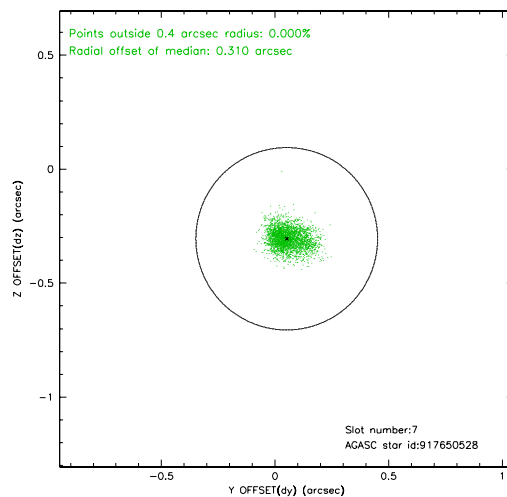
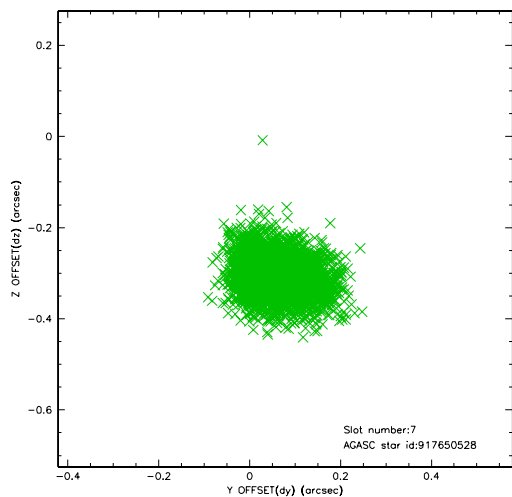
2.4.3 Slot 5



2.4.4 Slot 6

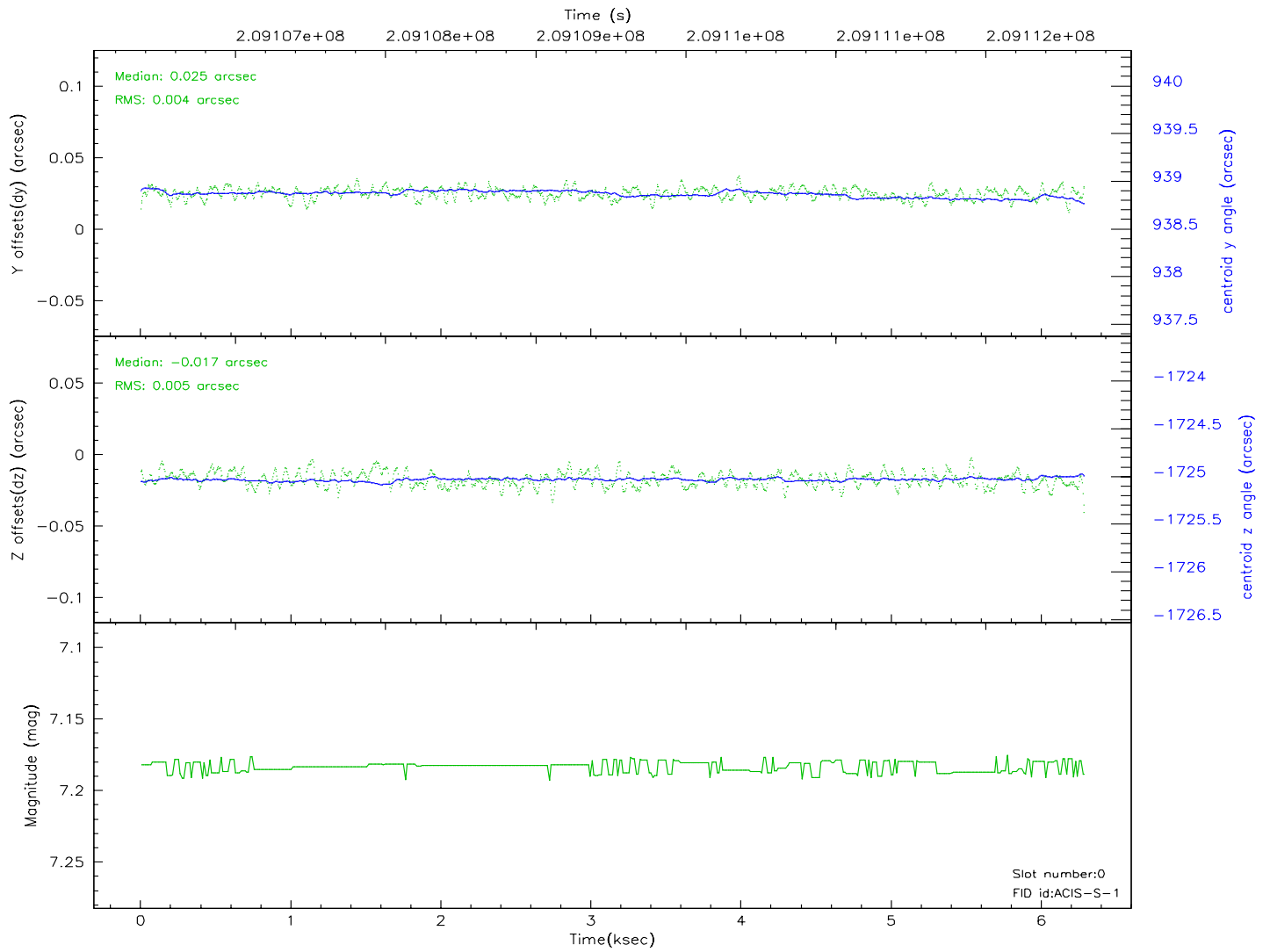
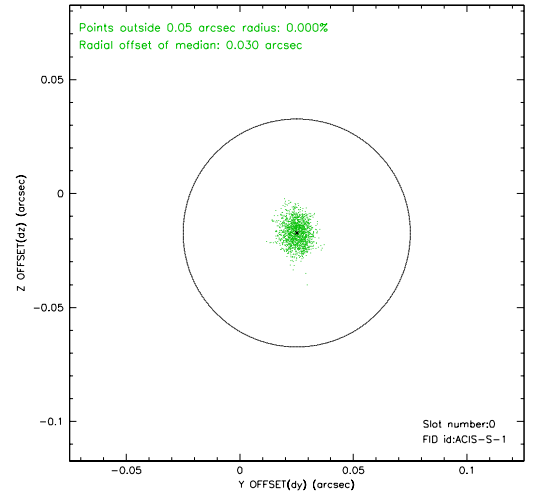
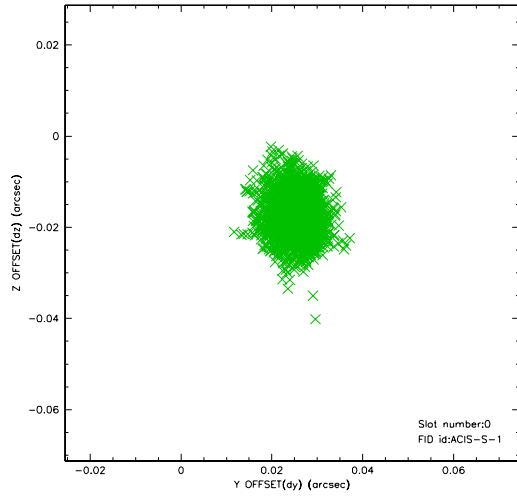


2.4.5 Slot 7

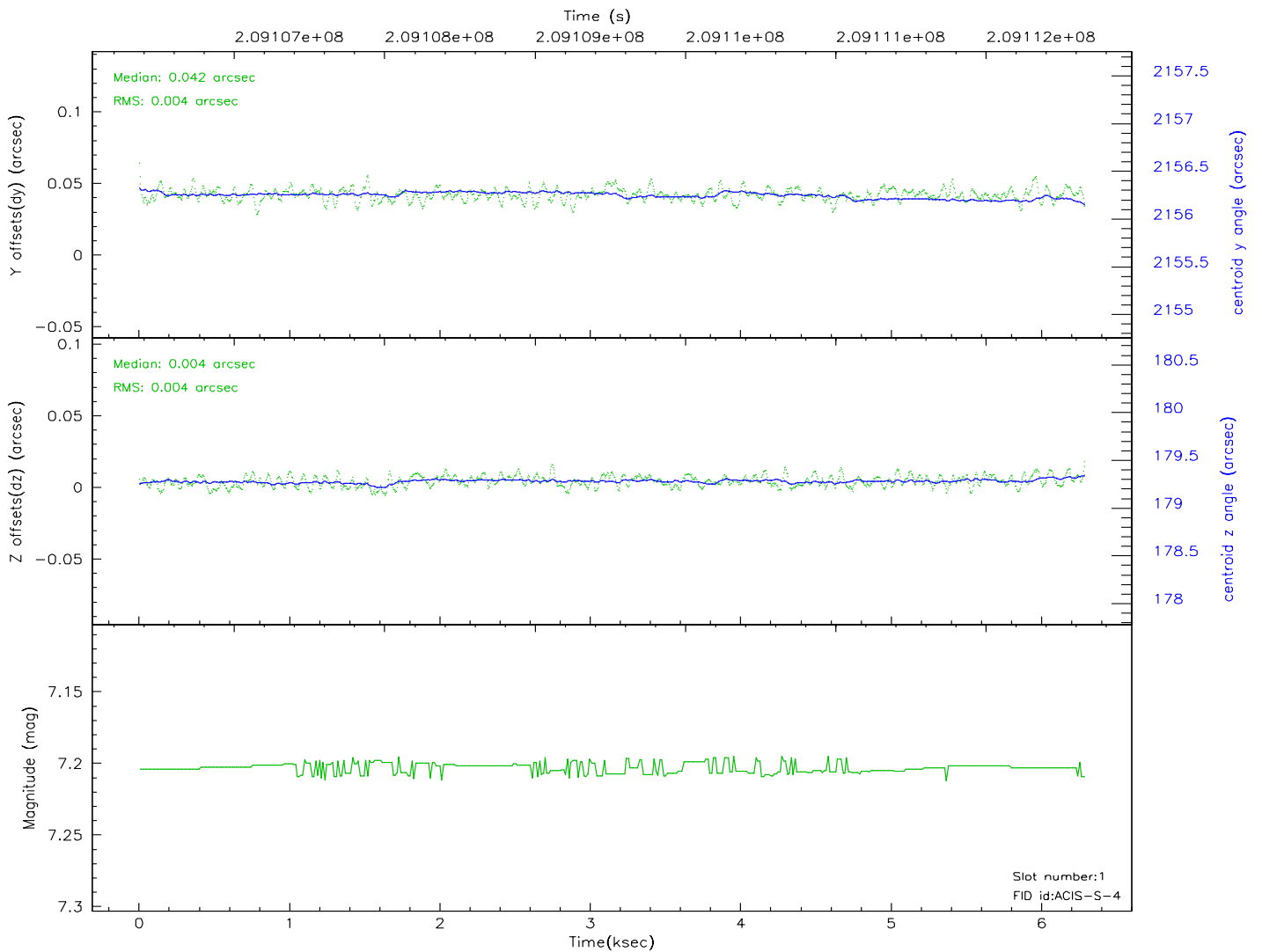
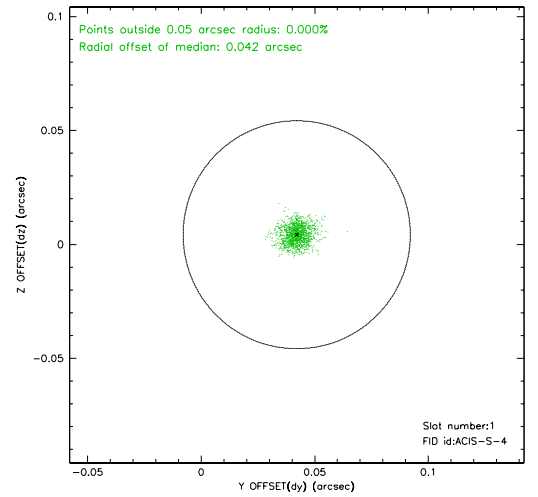
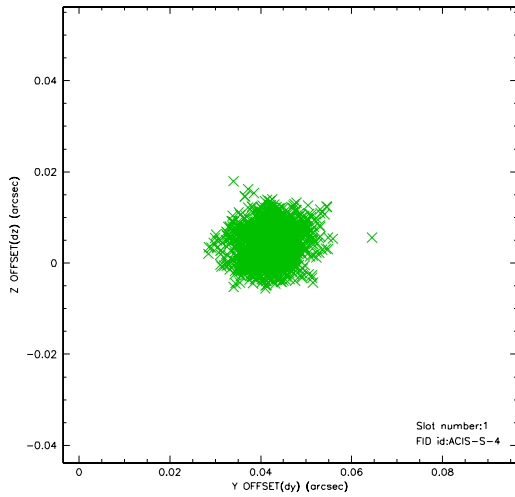


2.5 FID Slots

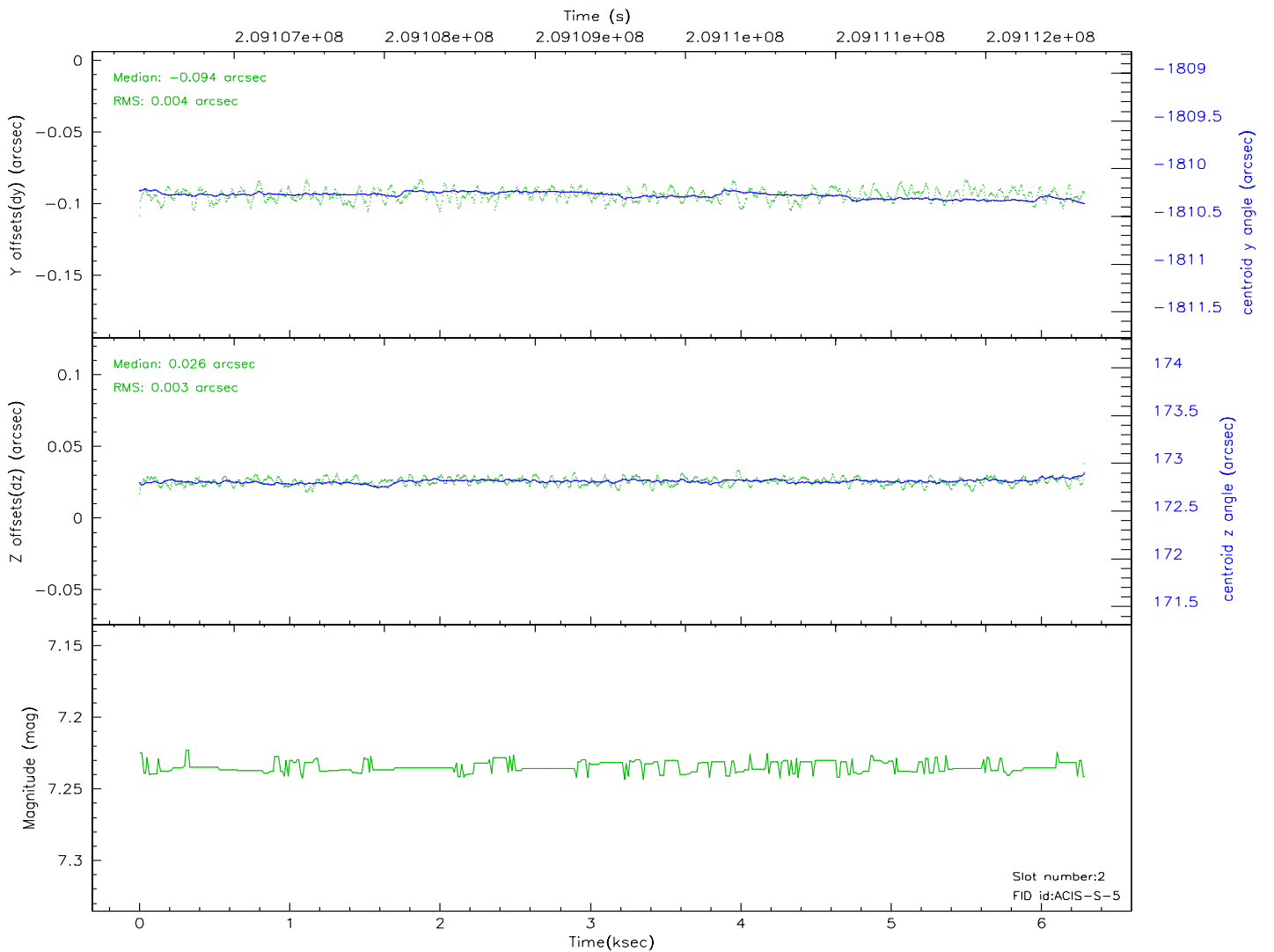
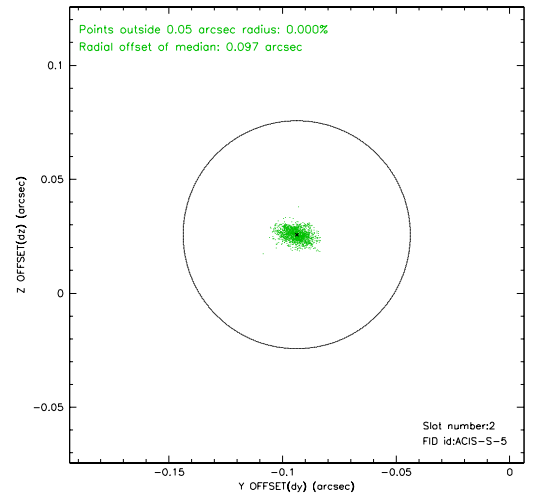
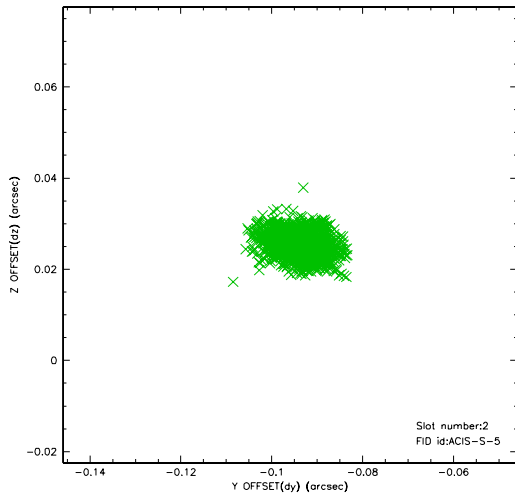
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources

13.63 arcmin



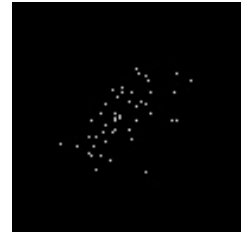
7.55 arcmin



9.70 arcmin



2.80 arcmin



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.04.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.958

A.2 Comments

Monitor constraint met.