

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 3135 - L2 Version 001
Chandra X-Ray Center

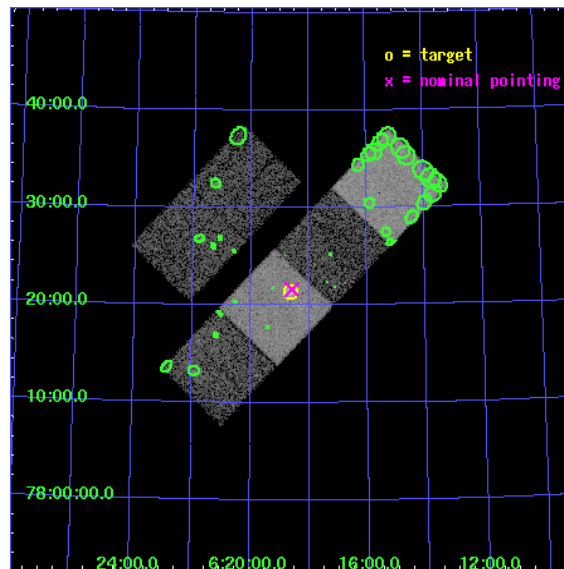
L2 Processing Date : Oct 9 2006

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1 Front

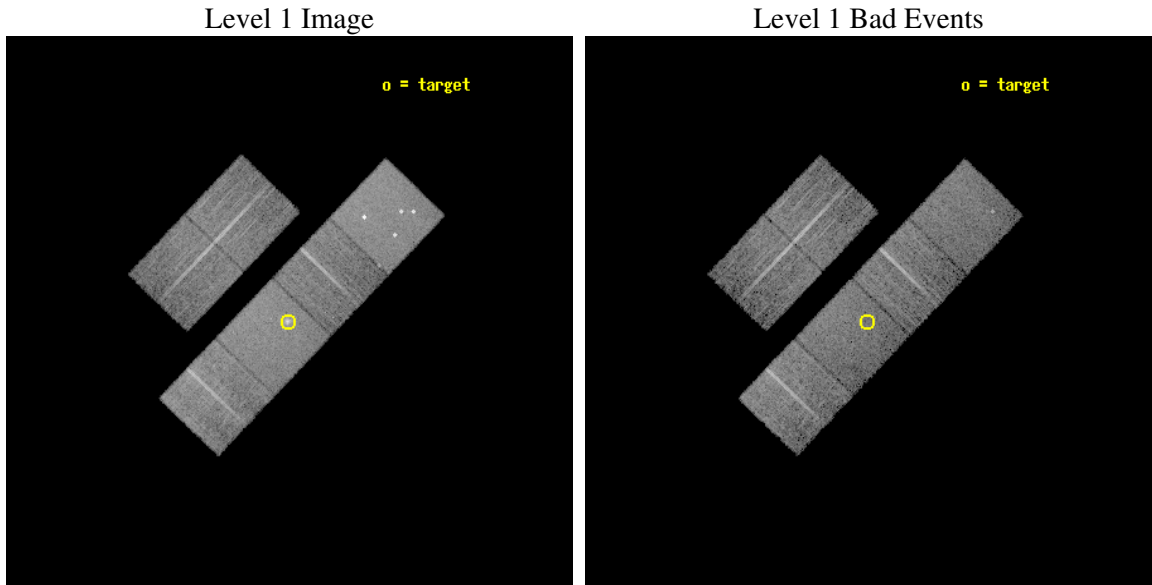
seq_num	700574
obs_id	3135
title	SEARCH FOR AN INTERMEDIATE MASS BLACK HOLE IN THE STARBURST GALAXY NGC2146
observer	Dr Hironori Matsumoto
object	NGC2146
dtcycle	0
cycle	P
ra_targ	94.655417
dec_targ	78.356556
ra_nom	94.647540175419
dec_nom	78.360589118433
roll_nom	133.70684839065
revision	2
ontime	10147.199962199
livetime	10018.710006367
ontime2	10147.199962199
ontime3	10147.199962199
ontime5	10147.199962199
ontime6	10147.199962199
ontime7	10147.199962199
ontime8	10147.199962199
l2events	99402



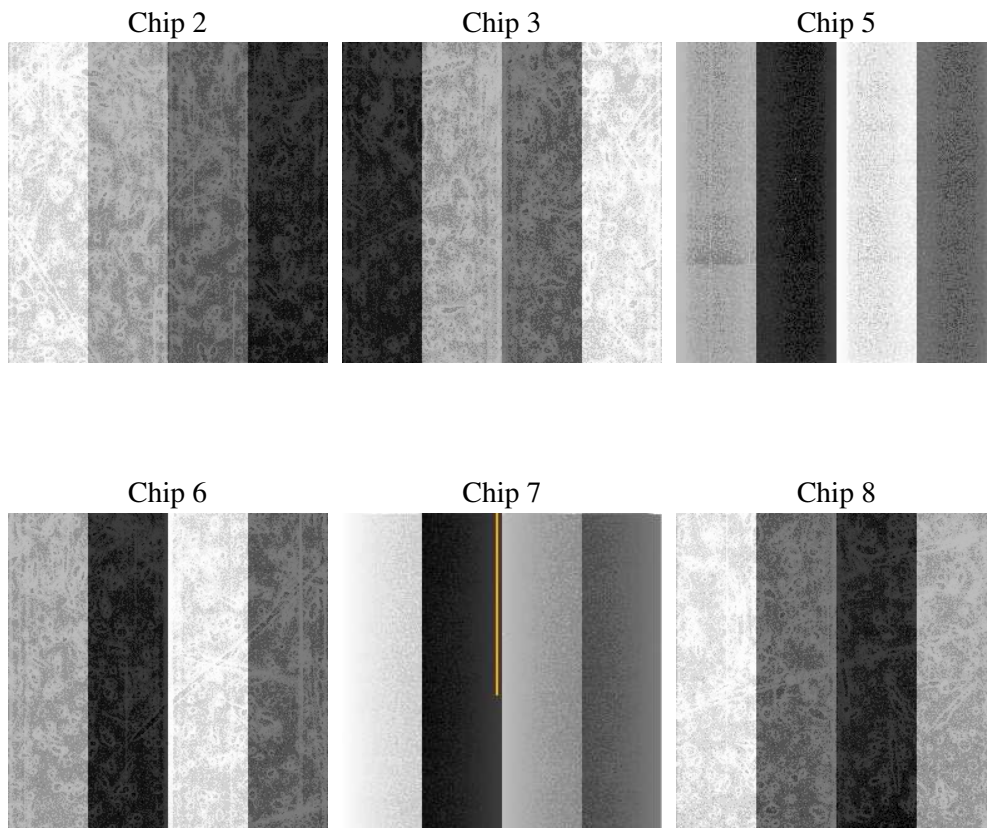
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.9
caldsver	3.2.3
date	2006-10-09T15:25:00
revision	2

sched_exp_time	10000.000000
ontime	10150.833832473
ontime2	10150.833832473
ontime3	10150.833832473
ontime5	10150.833832473
ontime6	10150.833832473
ontime7	10150.833832473
ontime8	10150.833832473
l1events	466808

2.1.4 Events

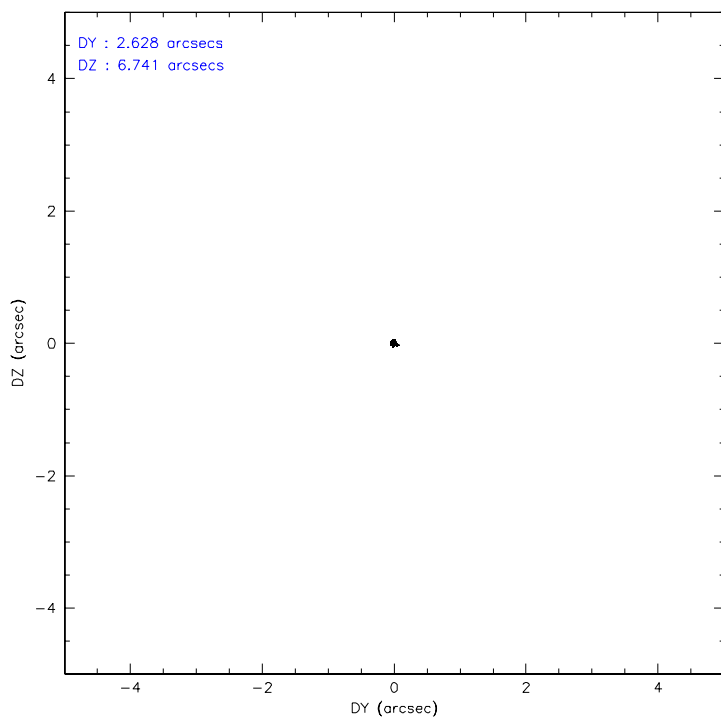
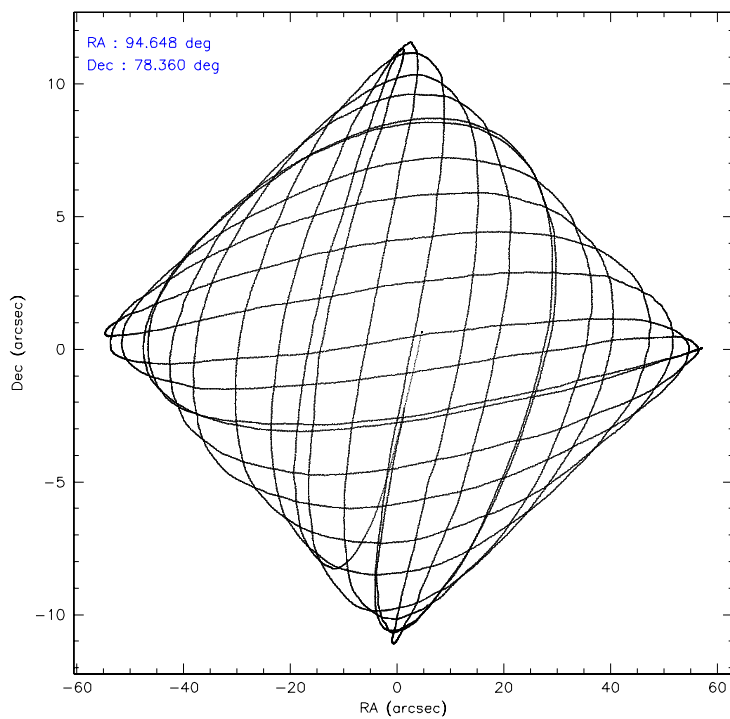
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	68074	62557	98347	66401	87433	83996
rejected events	60756	55305	52815	58913	52554	66872
rejected %	89%	88%	53%	88%	60%	79%

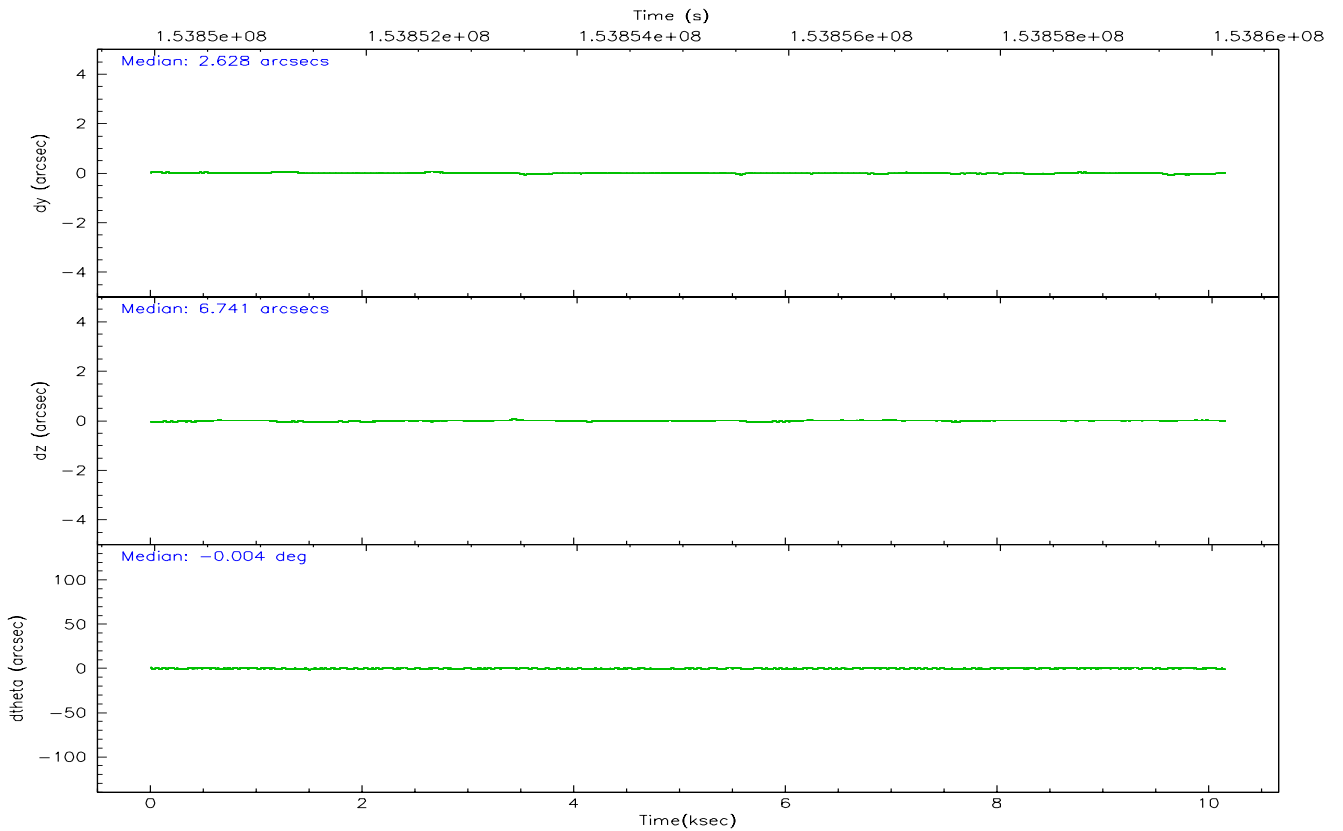
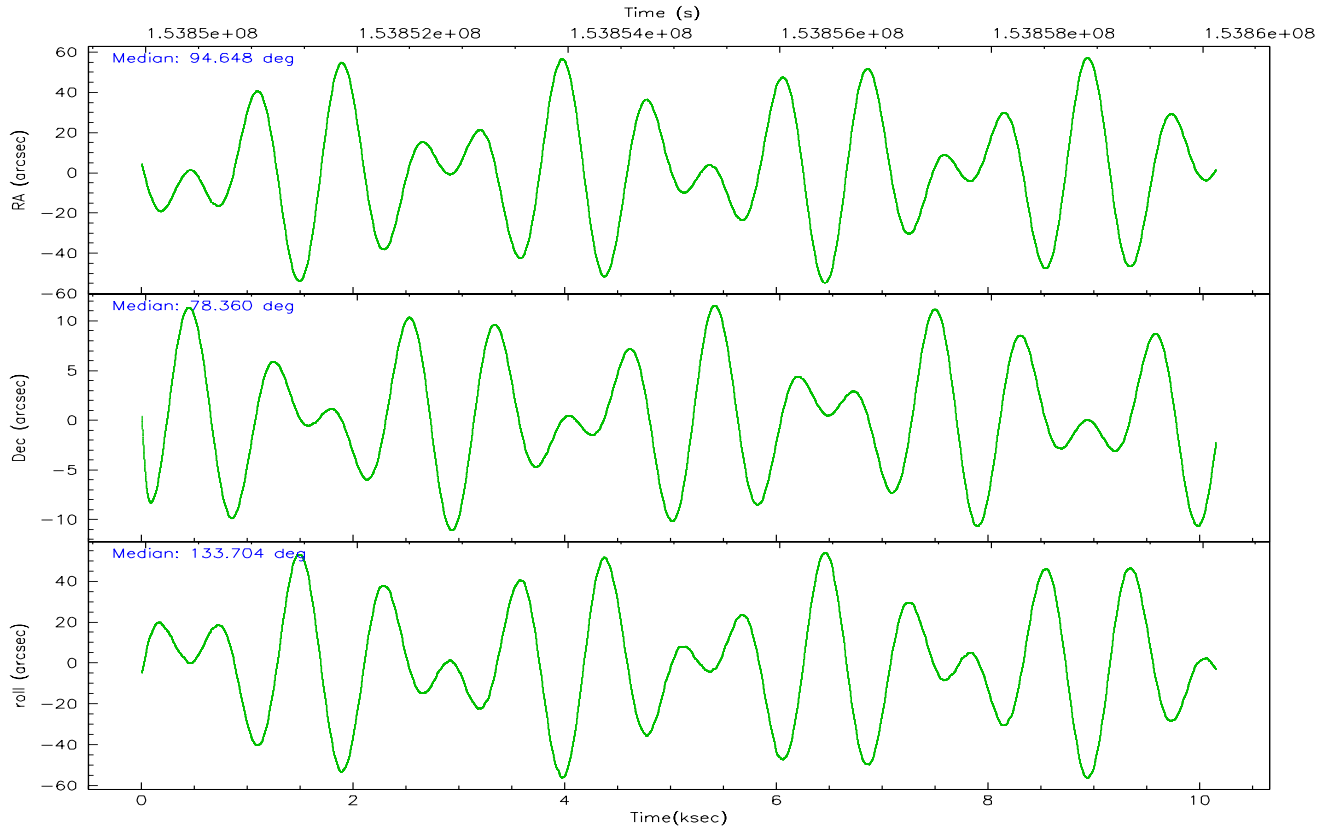
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	3161	3214	7237	3015	2567	5427
	4%	5%	7%	4%	2%	6%
grade 1 events	31	40	92	22	52	35
	0%	0%	0%	0%	0%	0%
grade 2 events	1527	1345	12976	1495	8547	3703
	2%	2%	13%	2%	9%	4%
grade 3 events	698	712	894	711	1970	1763
	1%	1%	0%	1%	2%	2%
grade 4 events	717	756	881	737	1927	1681
	1%	1%	0%	1%	2%	2%
grade 5 events	2537	2802	4483	2881	5700	3697
	3%	4%	4%	4%	6%	4%
grade 6 events	1219	1229	23579	1533	19893	4555
	1%	1%	23%	2%	22%	5%
grade 7 events	58184	52459	48205	56007	46777	63135
	85%	83%	49%	84%	53%	75%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	94.777670	94.64754017541931	Subarray requested	NONE	NONE
Pointing Dec	78.353299	78.36058911843311	Alternating exposures requested	N	N
Pointing Roll	133.422765	133.7068483906543	Primary exposure time	0.000000	3.2
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	153850129.184000	153849059.5914			
Observation start date	2002-11-16T16:07:45	2002-11-16T15:50:59			
Observation end time	153860129.184000	153860935.75439			
Observation end date	2002-11-16T18:54:25	2002-11-16T19:08:55			
Read mode	TIMED	TIMED			

2.3 Aspect



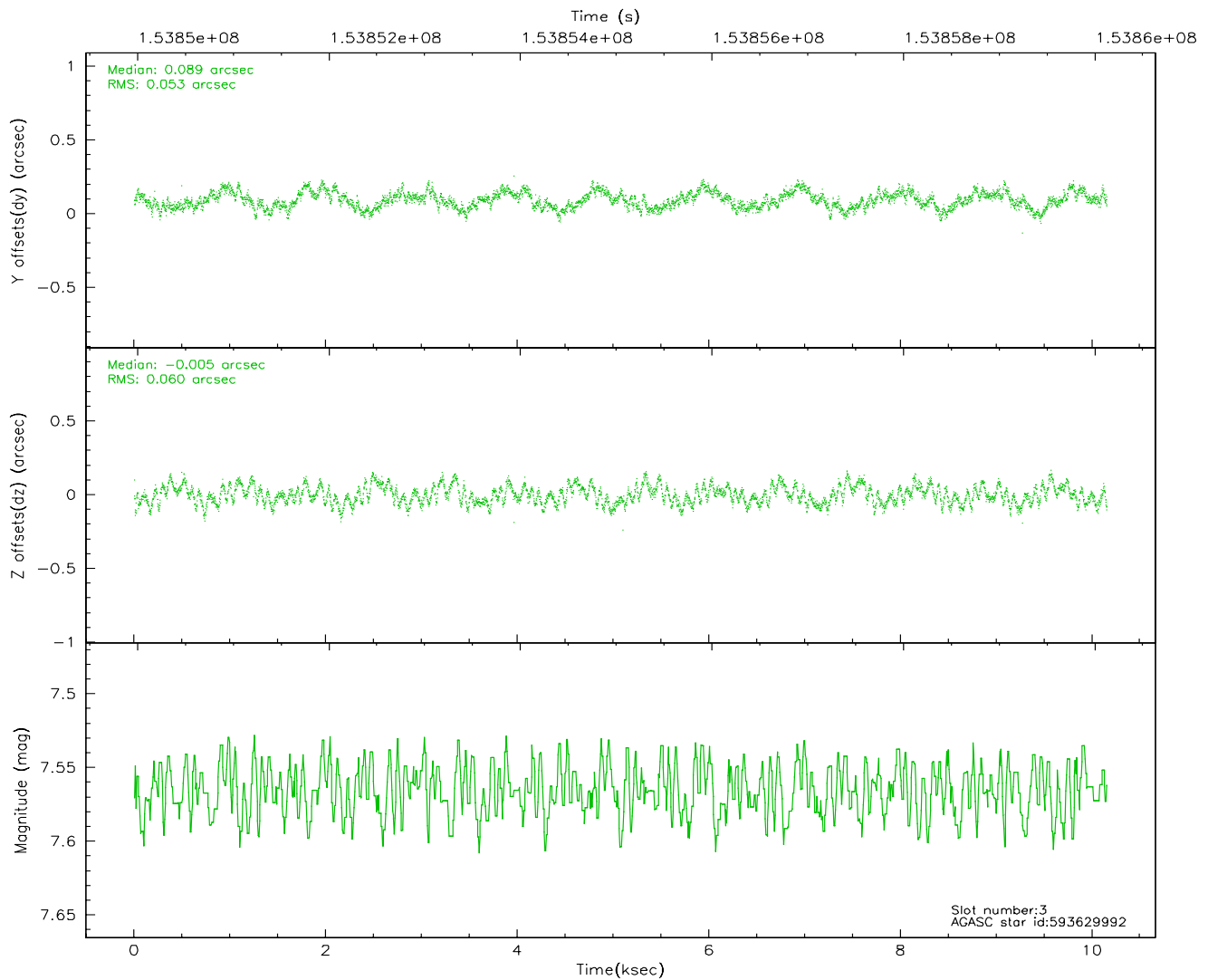
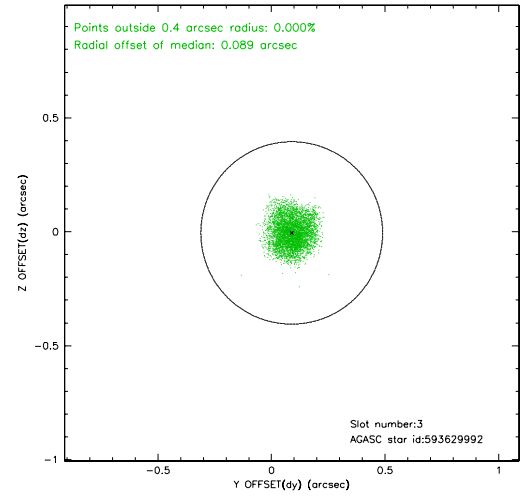
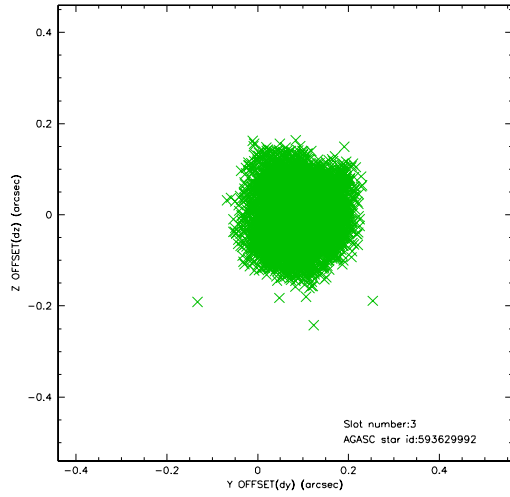


Slot Statistics

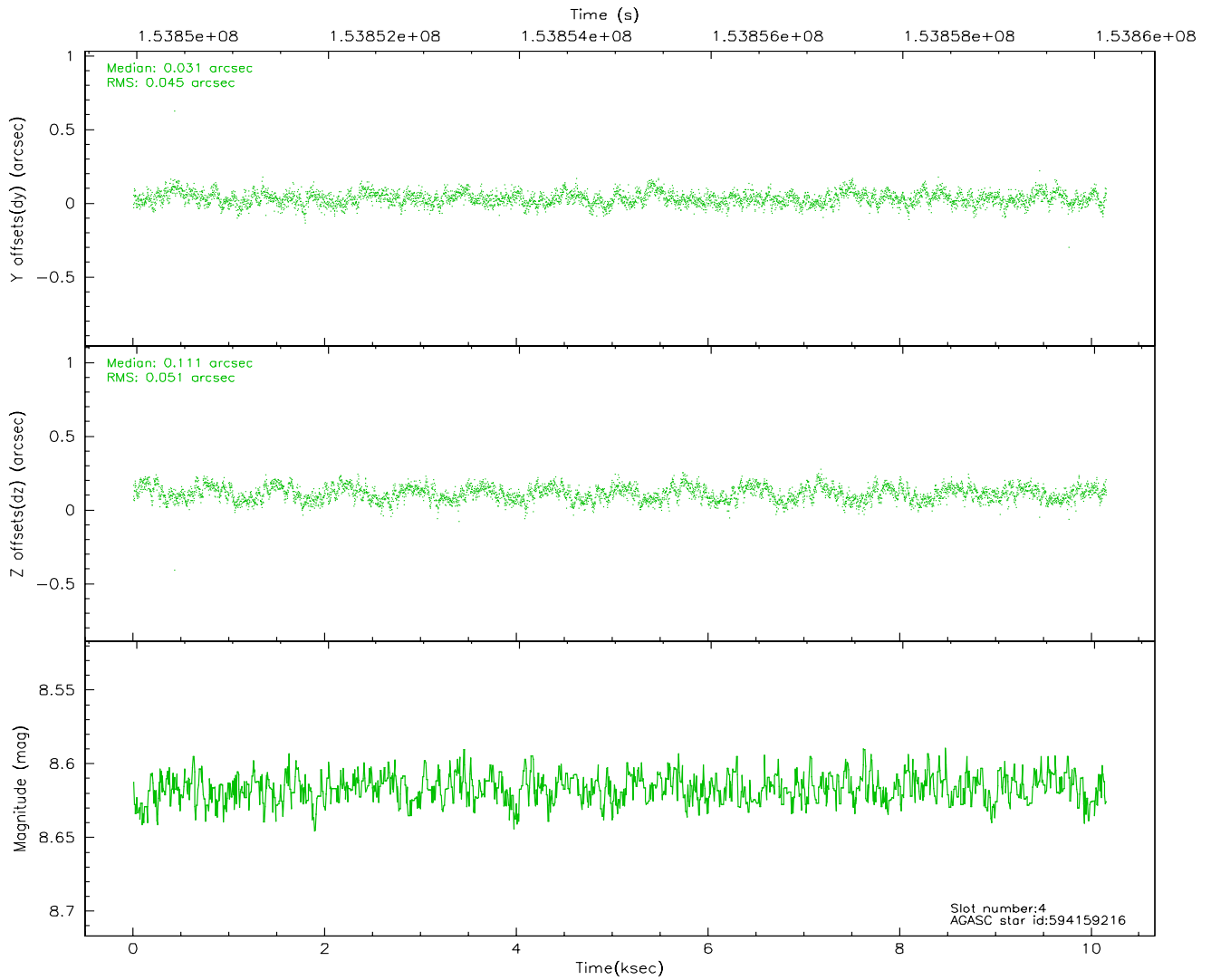
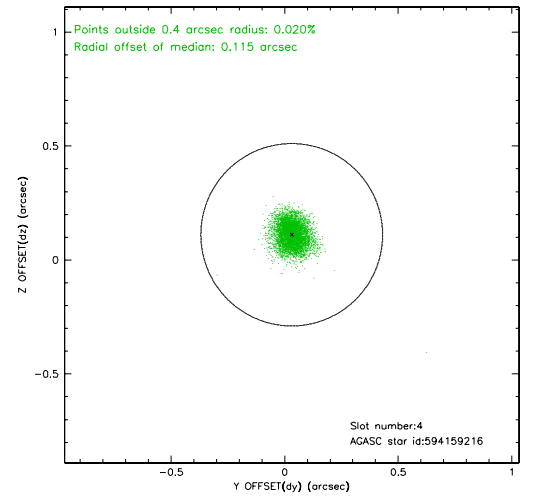
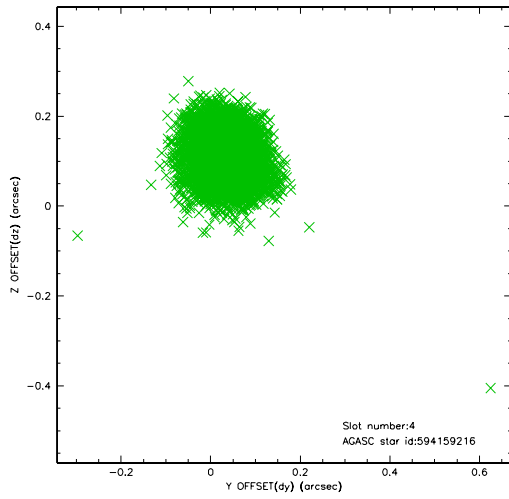
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	2476	-0.018	0.028	0.006	0.010	0.000000	0.000000	-755.26	-1727.87
1	FID	ACIS-S-4	7.20	2476	-0.049	0.001	0.005	0.008	0.000000	0.000000	2157.73	180.07
2	FID	ACIS-S-5	7.24	2478	0.036	-0.021	0.006	0.010	0.000000	0.000000	-1807.40	174.28
3	GUIDE	593629992	7.57	4955	0.089	-0.005	0.089	0.131	98.350838	78.168477	-2235.51	-1512.91
4	GUIDE	594159216	8.62	4954	0.031	0.111	0.072	0.113	93.921009	78.896665	1832.52	-916.68
5	GUIDE	593625200	9.49	4950	-0.116	-0.079	0.083	0.135	91.931681	78.701164	2325.50	562.51
6	GUIDE	593628560	8.24	4889	-0.082	-0.198	0.081	0.124	92.260818	78.027017	469.01	2144.03
7	GUIDE	593630824	7.84	4949	0.079	0.168	0.060	0.093	97.139560	77.959365	-2221.79	-337.60

2.4 Star Slots

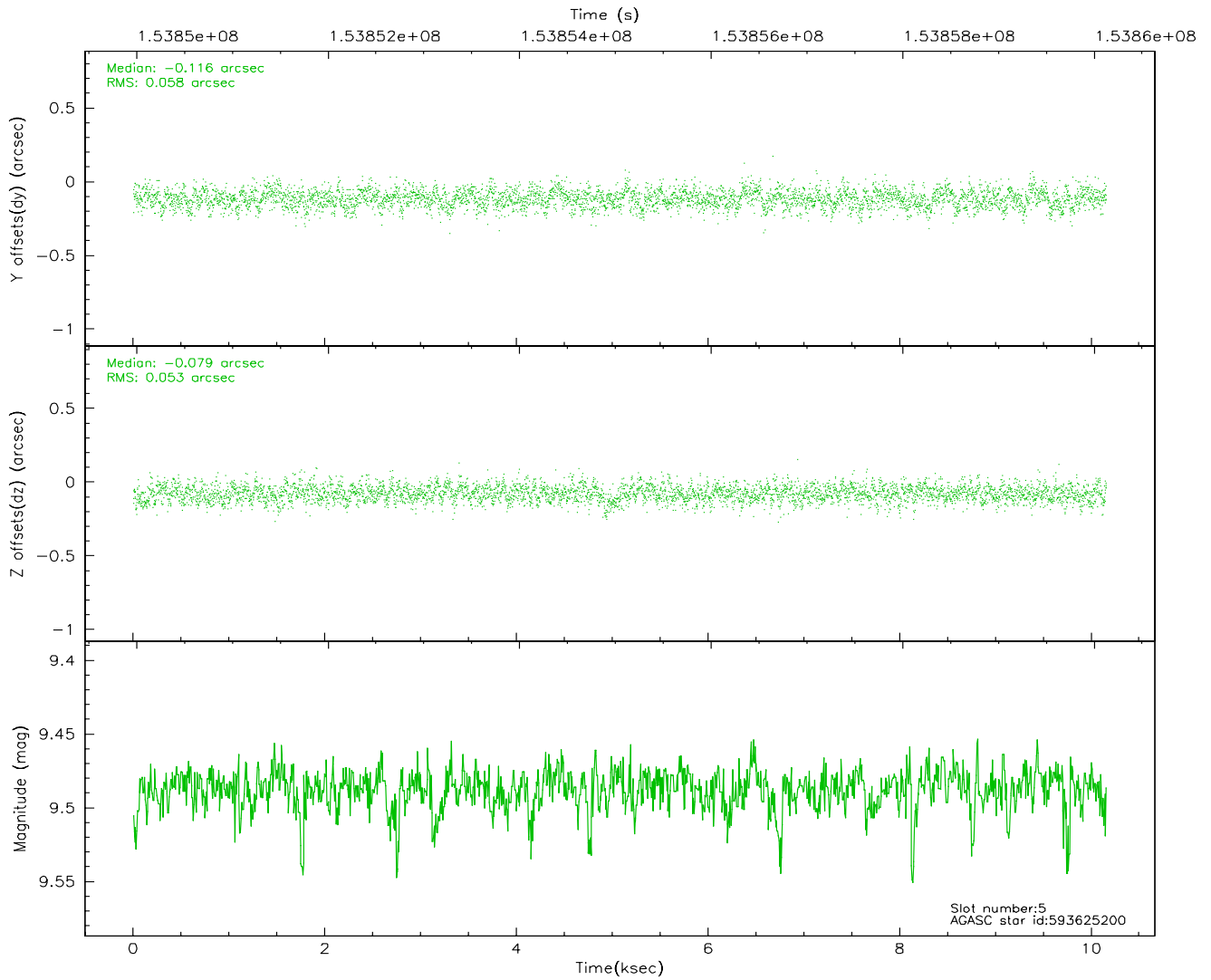
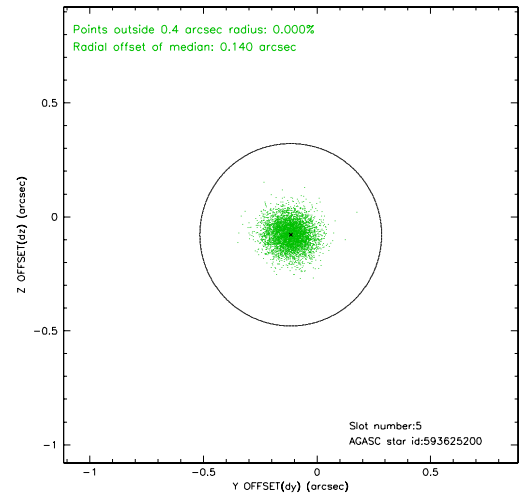
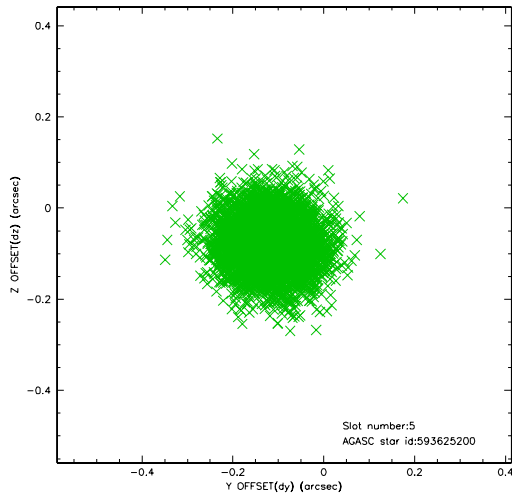
2.4.1 Slot 3



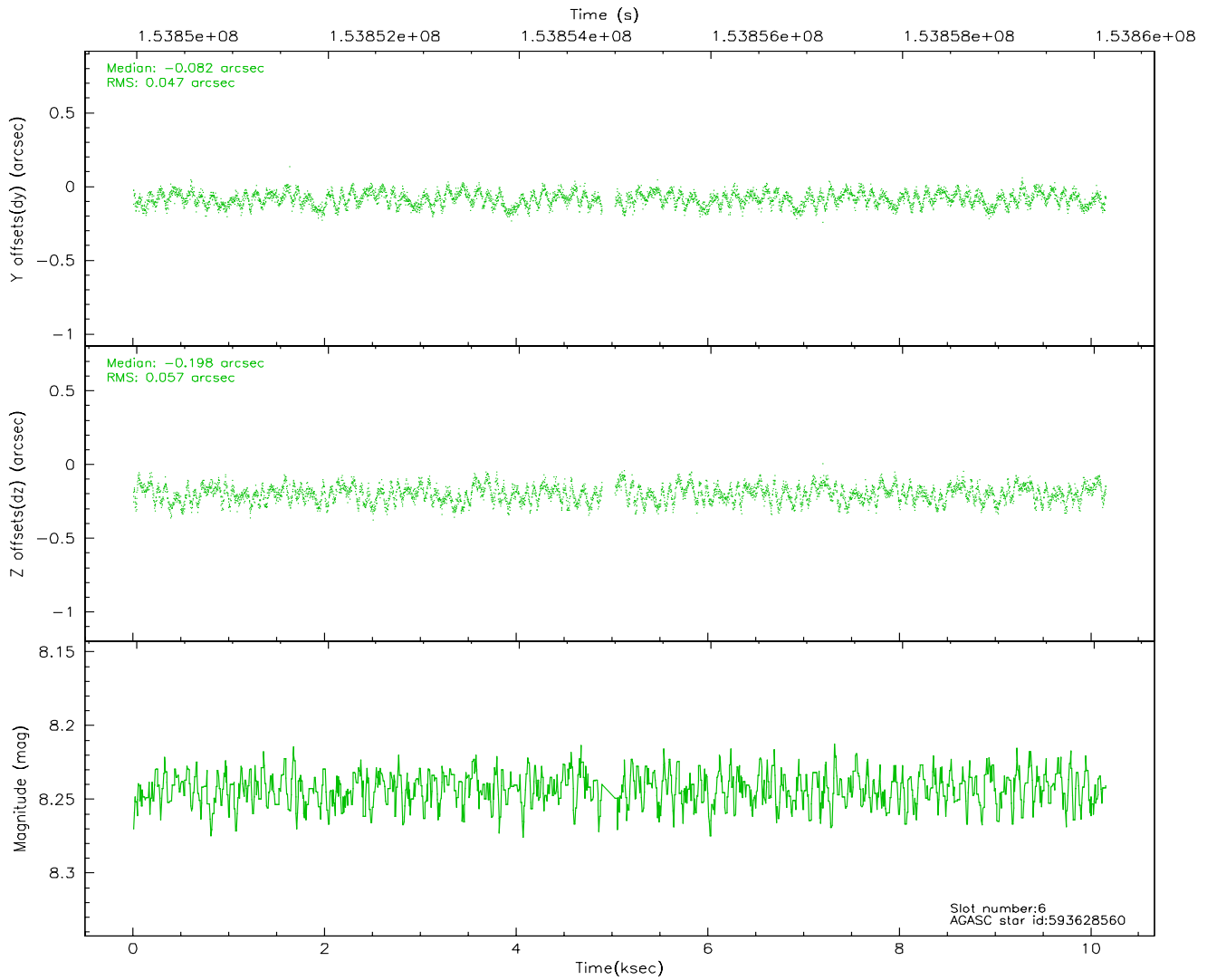
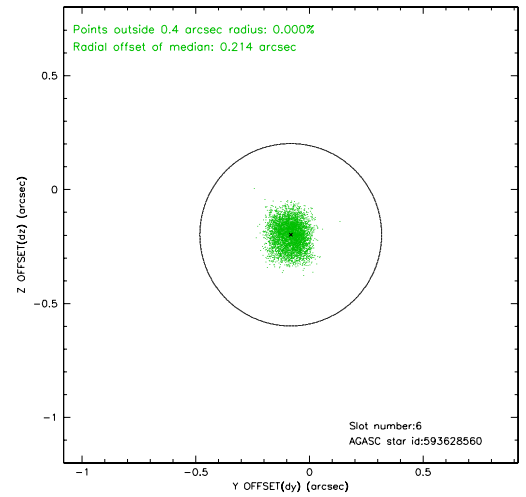
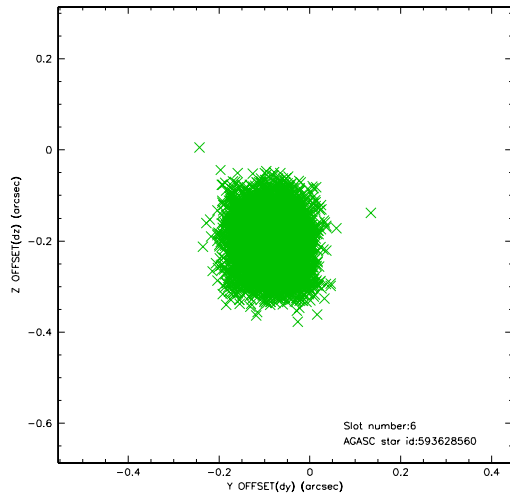
2.4.2 Slot 4



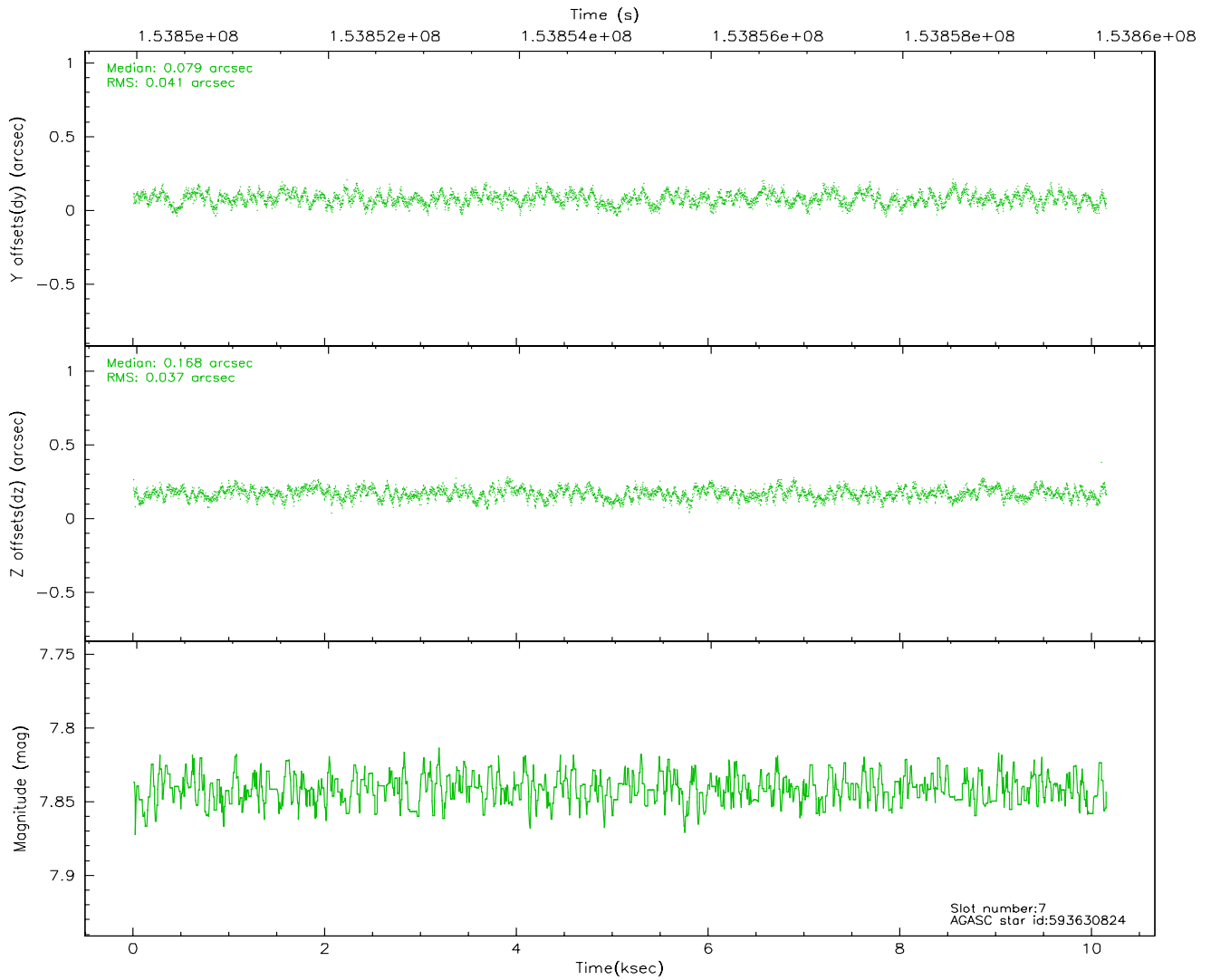
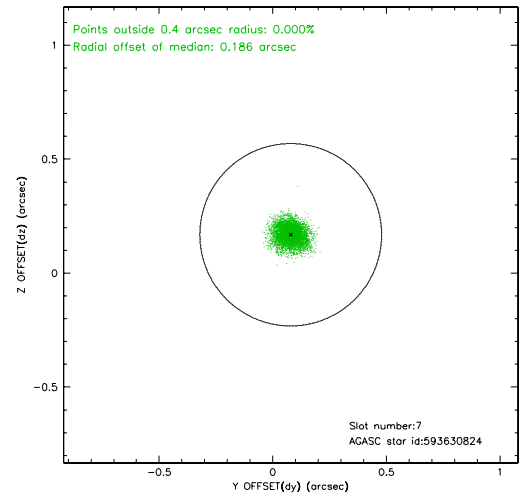
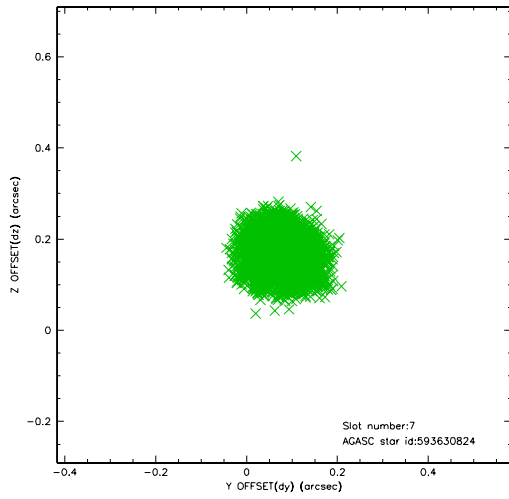
2.4.3 Slot 5



2.4.4 Slot 6

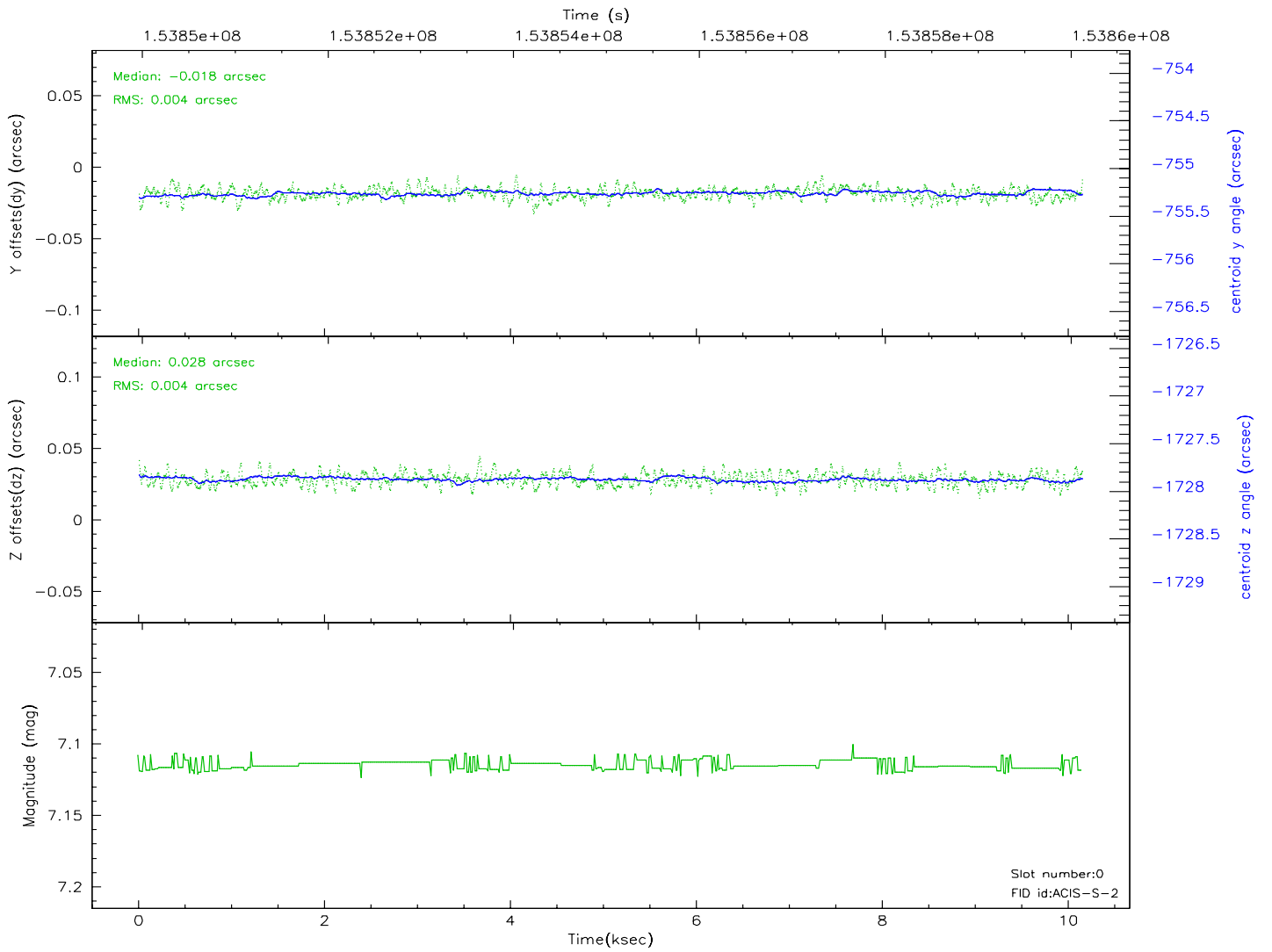
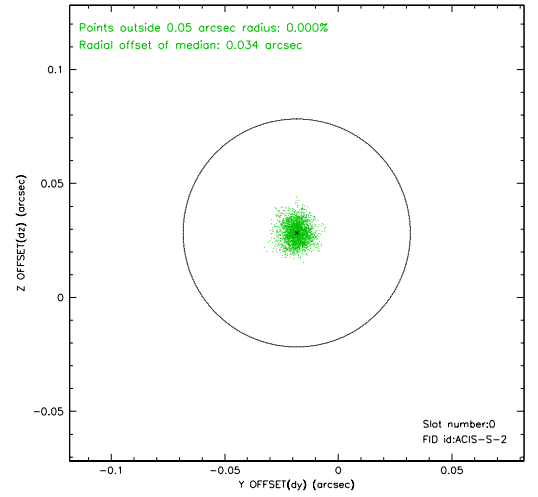
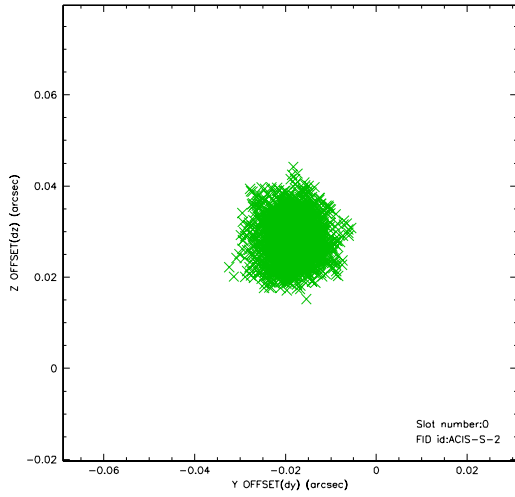


2.4.5 Slot 7

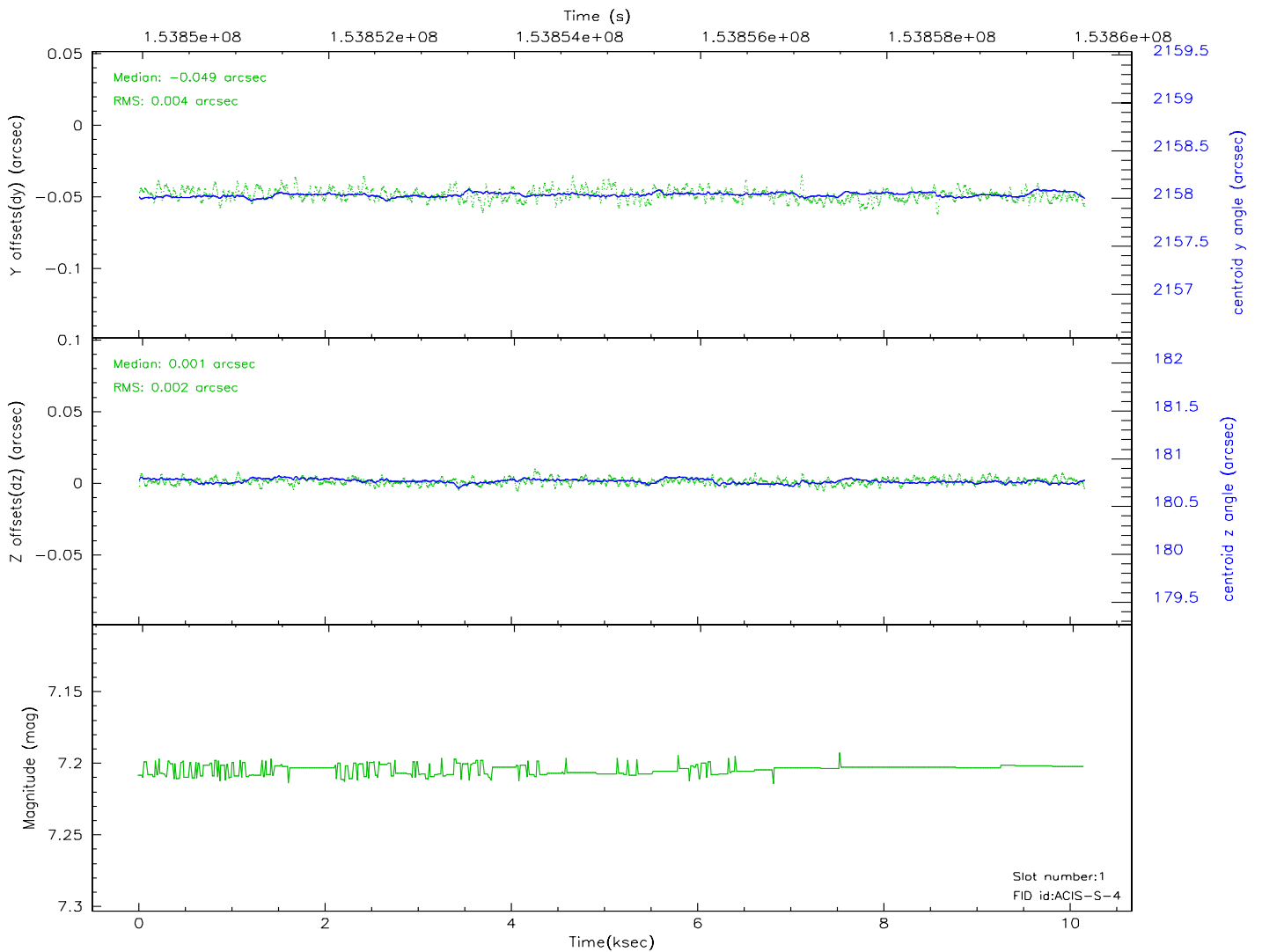
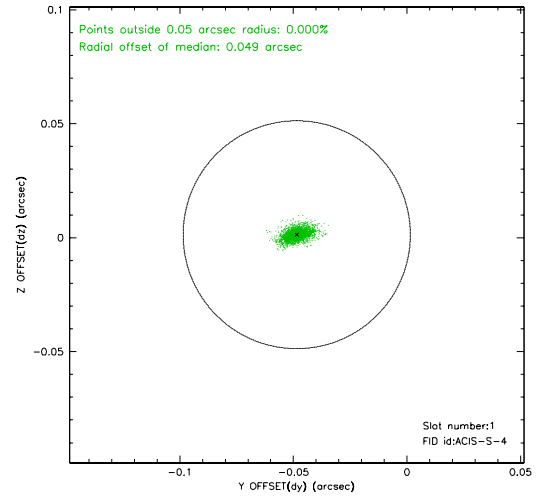
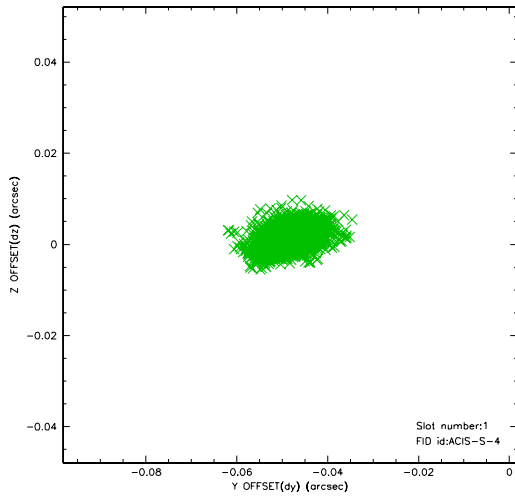


2.5 FID Slots

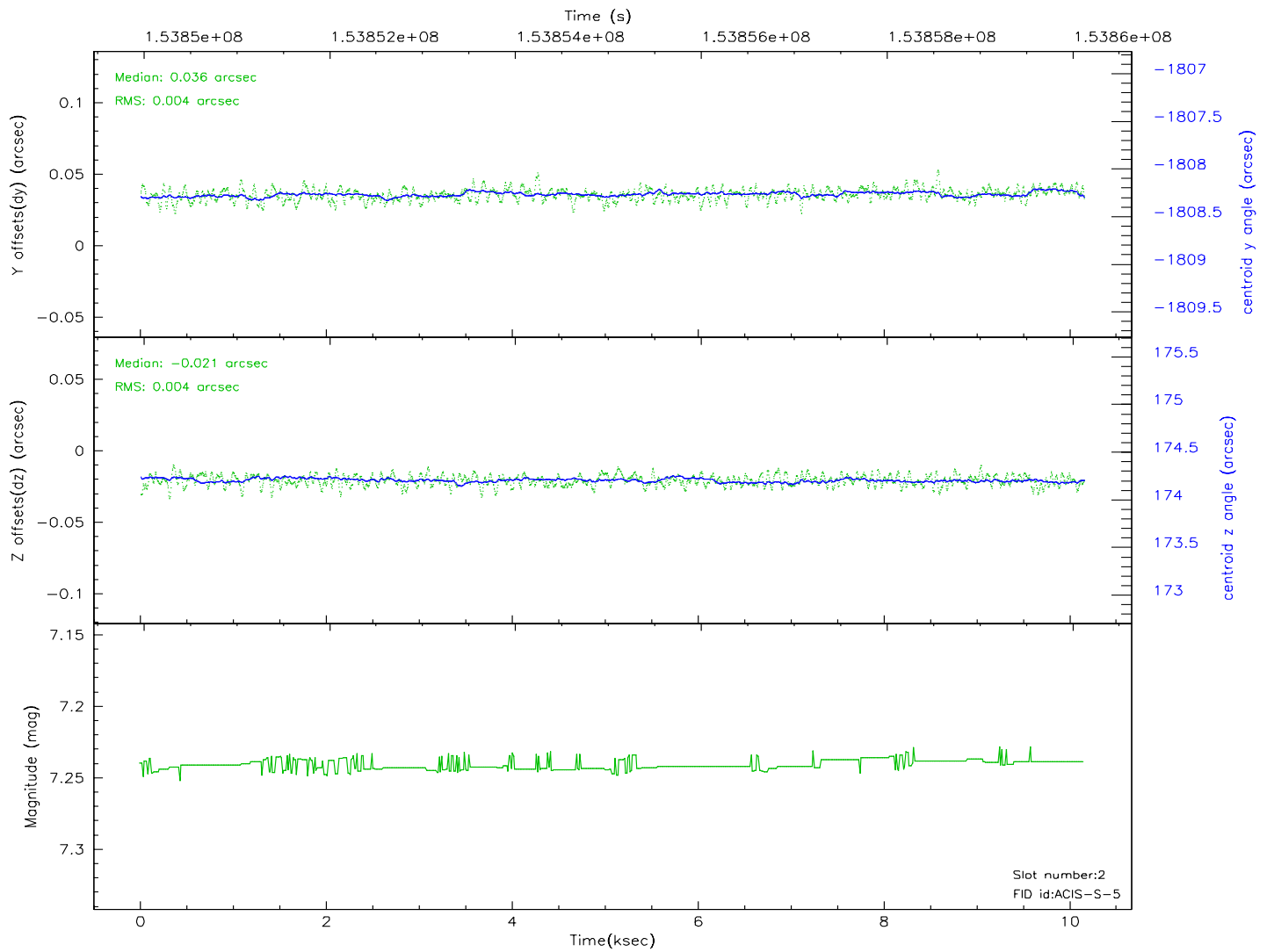
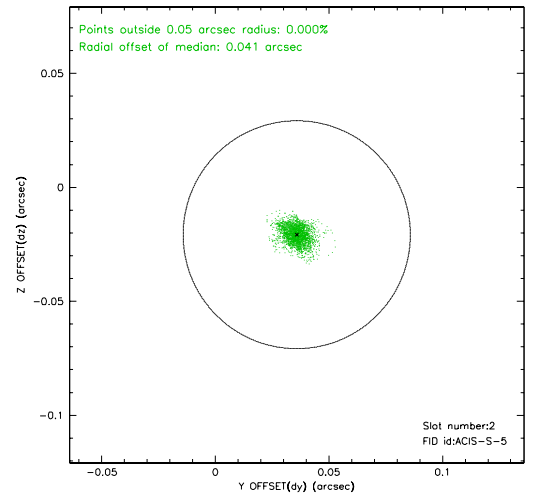
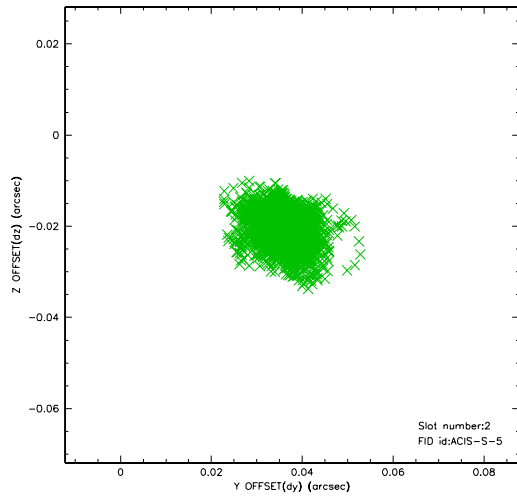
2.5.1 Slot 0



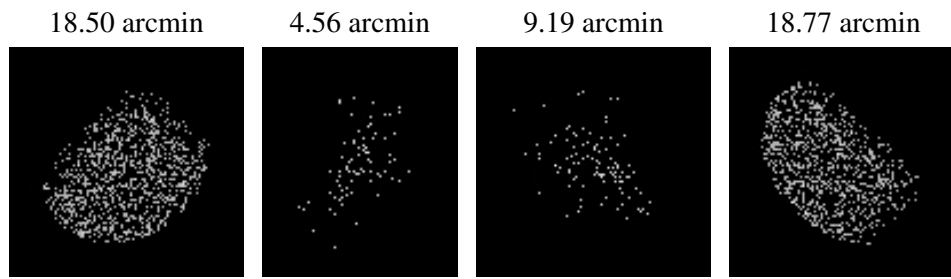
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.10.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.15

A.2 Comments

Monitor constraint met.