

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 1681 - L2 Version 001
Chandra X-Ray Center

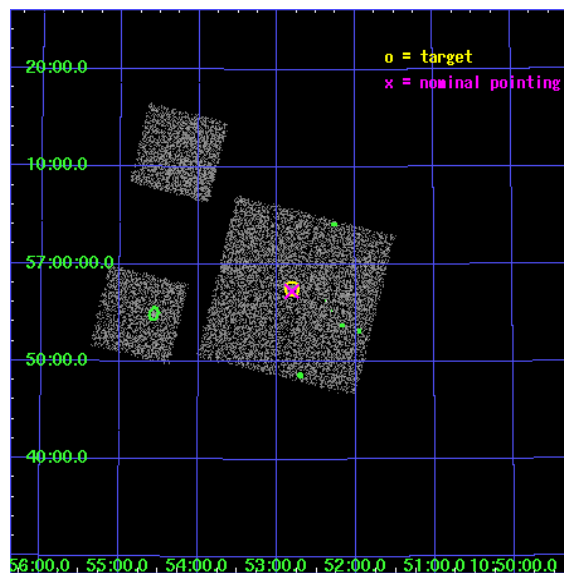
L2 Processing Date : Dec 11 2006

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1 Front

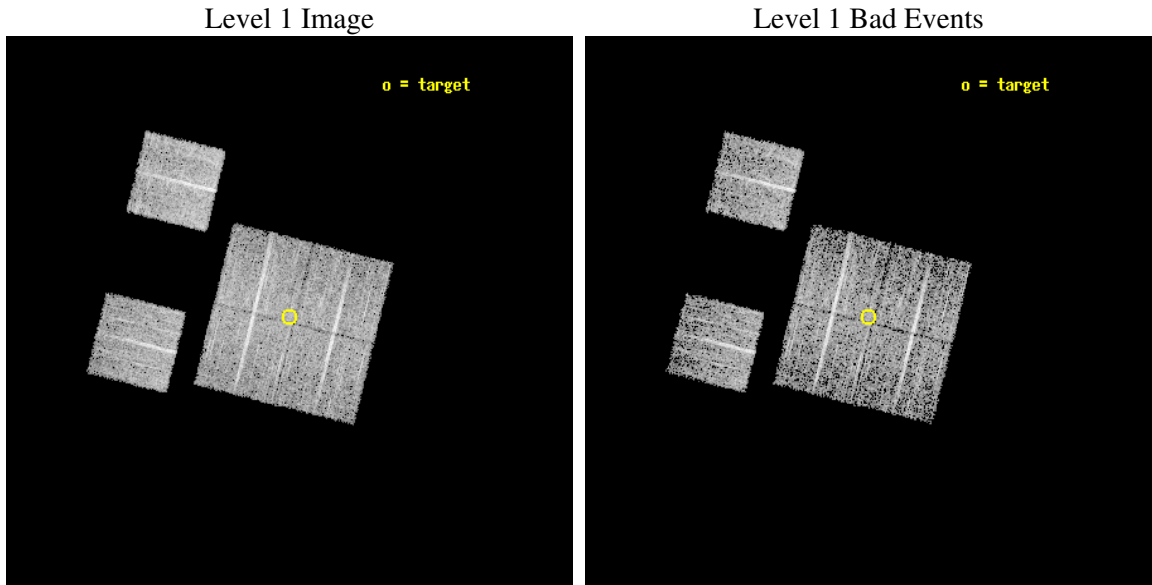
seq_num	900040
obs_id	1681
title	LOCKMAN HOLE SHALLOW SURVEY
observer	Dr. Stephen Murray
object	LOCKMAN HOLE #2
dtcycle	0
cycle	P
ra_targ	163.204167
dec_targ	56.958889
ra_nom	163.20273441205
dec_nom	56.954220411088
roll_nom	283.9867576325
revision	2
ontime	4758.4000044316
livetime	4698.146278411
ontime0	4758.4000044316
ontime1	4758.4000044316
ontime2	4758.4000044316
ontime3	4758.4000044316
ontime6	4758.4000044316
ontime8	4758.4000044316
l2events	18338



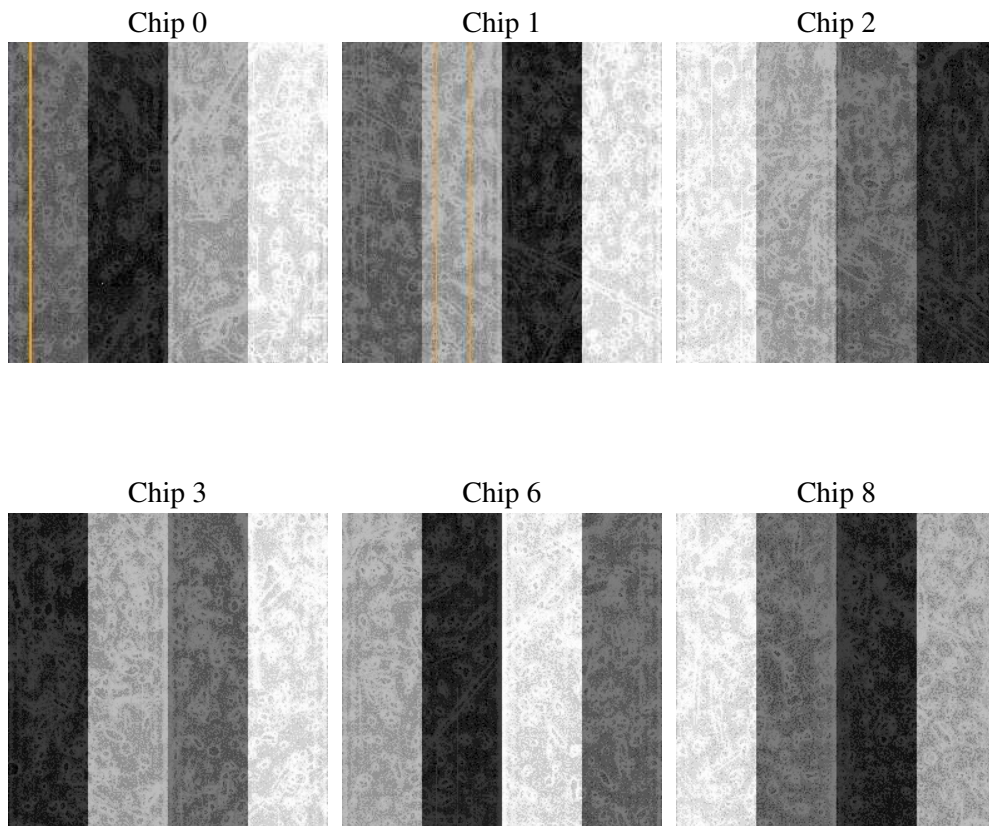
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.4
date	2006-12-11T17:33:03
revision	2

sched_exp_time	5000.000000
ontime	4764.2656061649
ontime0	4764.2656061649
ontime1	4764.2656061649
ontime2	4764.2656061649
ontime3	4764.2656061649
ontime6	4764.2656061649
ontime8	4764.2656360716
l1events	189752

2.1.4 Events

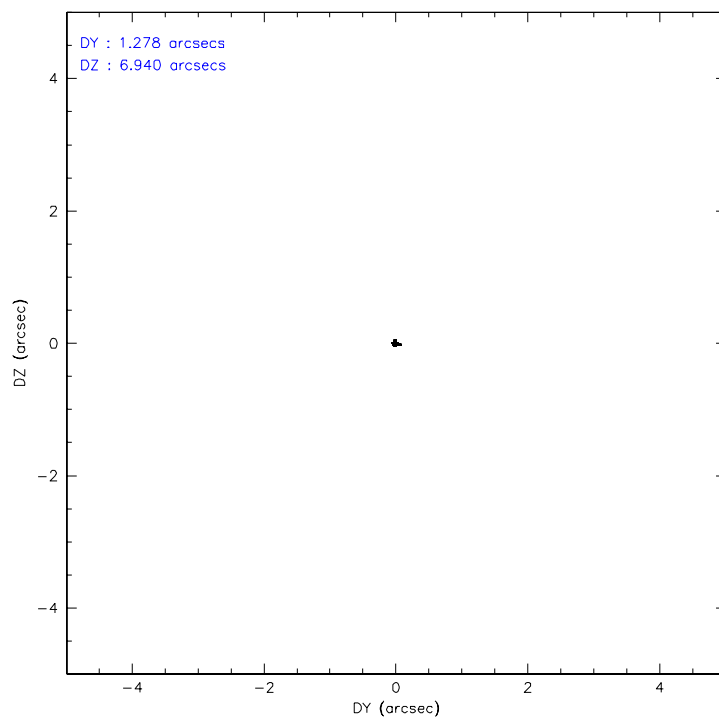
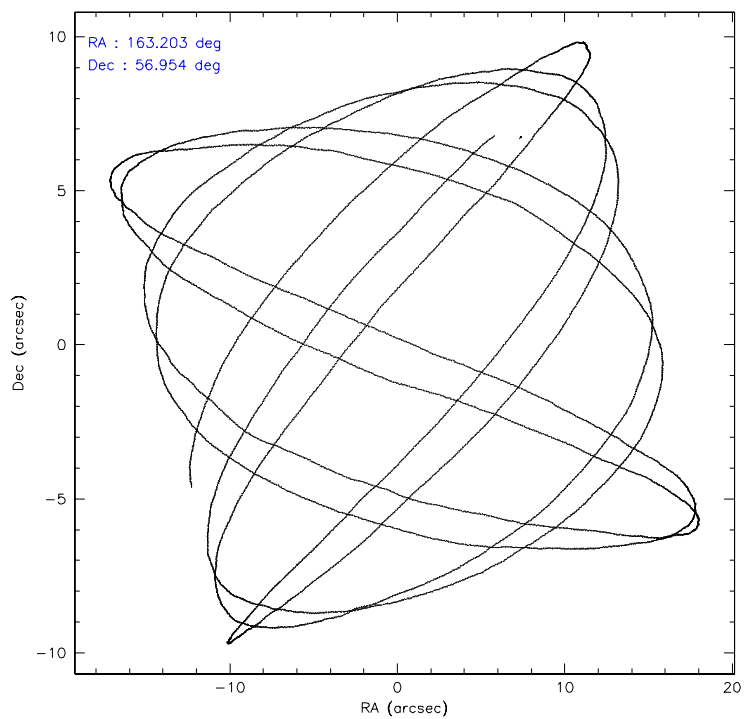
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 8
level 1 events	28157	29106	30042	31201	31275	39971
rejected events	24521	25303	26599	27800	27934	32445
rejected %	87%	86%	88%	89%	89%	81%

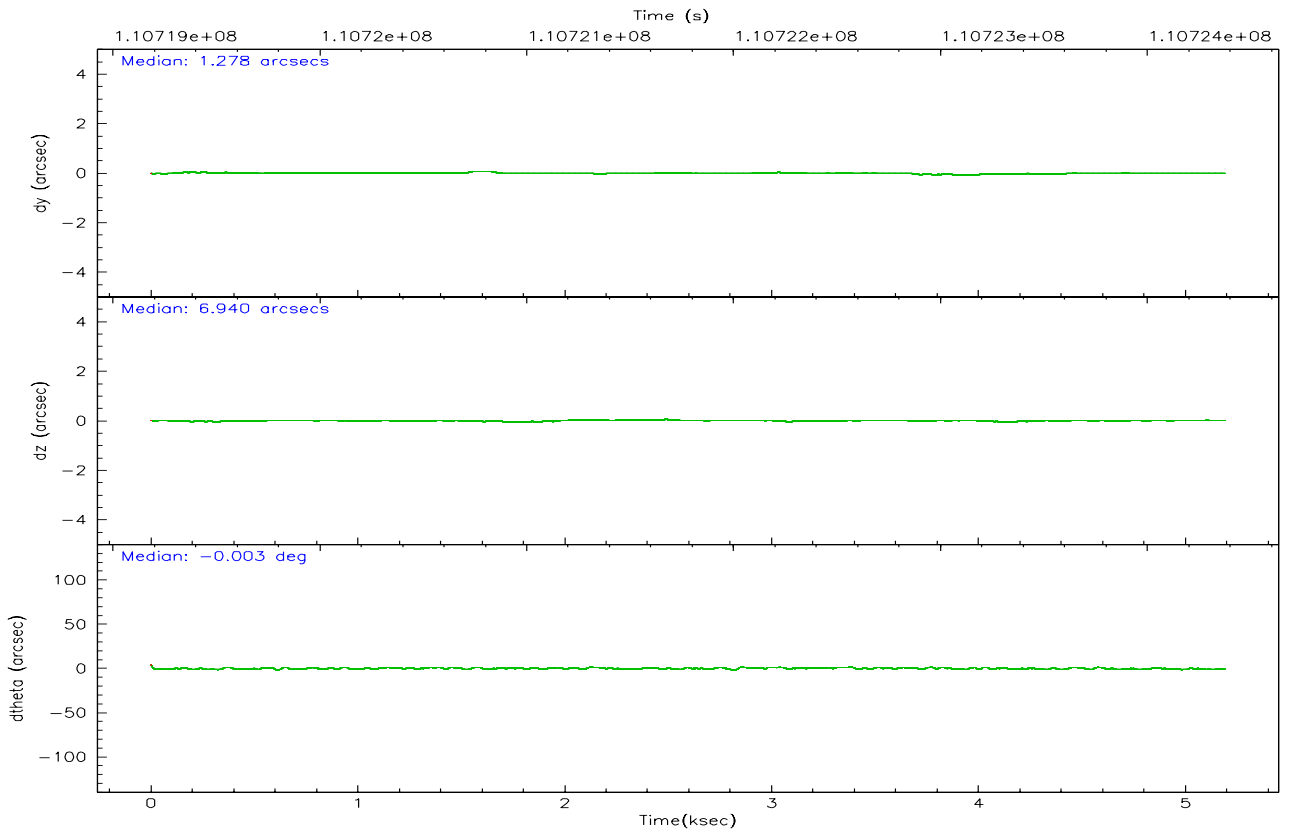
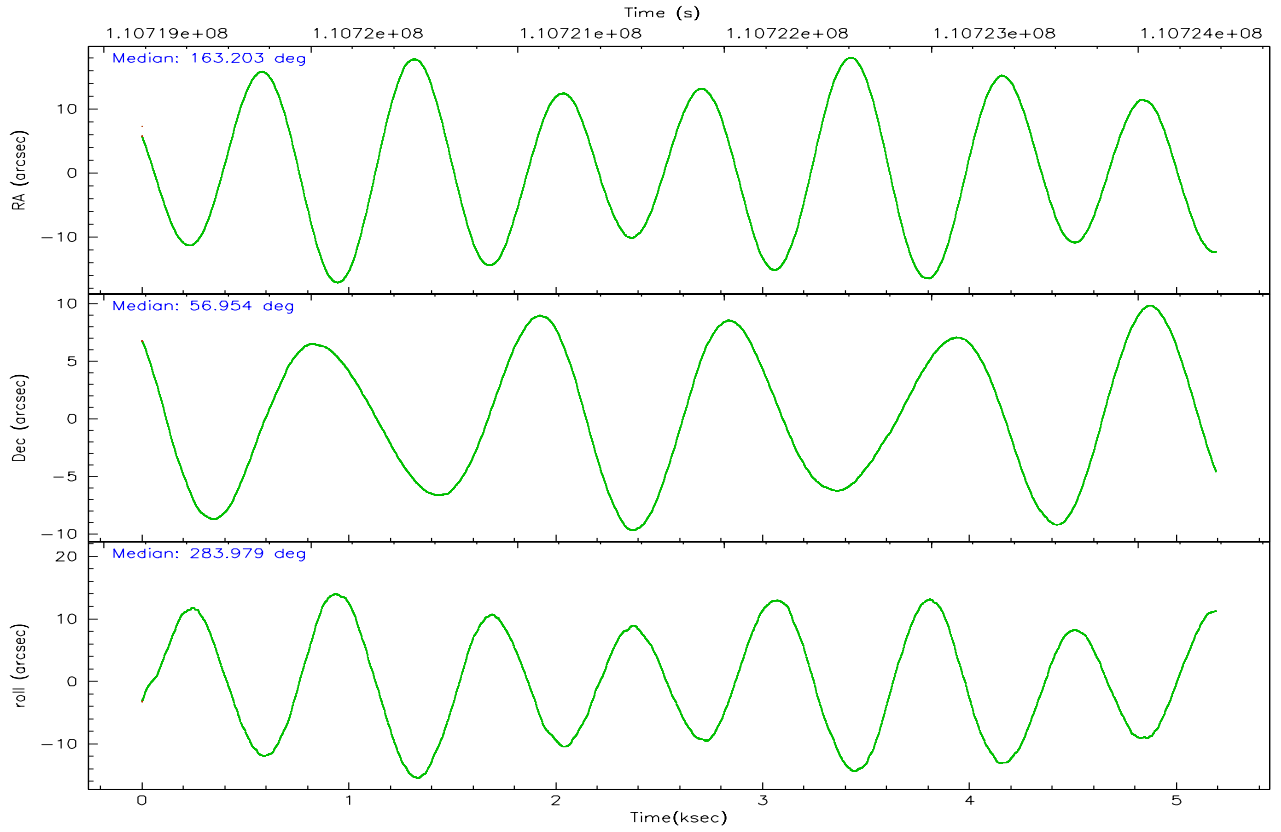
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 8
grade 0 events	1544	1537	1460	1450	1341	2379
	5%	5%	4%	4%	4%	5%
grade 1 events	19	15	10	12	14	27
	0%	0%	0%	0%	0%	0%
grade 2 events	766	742	758	701	674	1563
	2%	2%	2%	2%	2%	3%
grade 3 events	351	419	339	284	330	880
	1%	1%	1%	0%	1%	2%
grade 4 events	347	399	310	367	339	804
	1%	1%	1%	1%	1%	2%
grade 5 events	1052	1219	1064	1267	1338	1607
	3%	4%	3%	4%	4%	4%
grade 6 events	632	708	580	603	662	1902
	2%	2%	1%	1%	2%	4%
grade 7 events	23446	24067	25521	26517	26577	30809
	83%	82%	84%	84%	84%	77%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012368	ACIS-012368	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	163.167808	163.2027344120528	Subarray requested	NONE	NONE
Pointing Dec	56.973931	56.95422041108836	Alternating exposures requested	N	N
Pointing Roll	283.807369	283.9867576325023	Primary exposure time	0.000000	3.2
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	110719375.184000	110718999.19676			
Observation start date	2001-07-05T11:21:51	2001-07-05T11:16:39			
Observation end time	110724375.184000	110724509.59697			
Observation end date	2001-07-05T12:45:11	2001-07-05T12:48:29			
Read mode	TIMED	TIMED			

2.3 Aspect



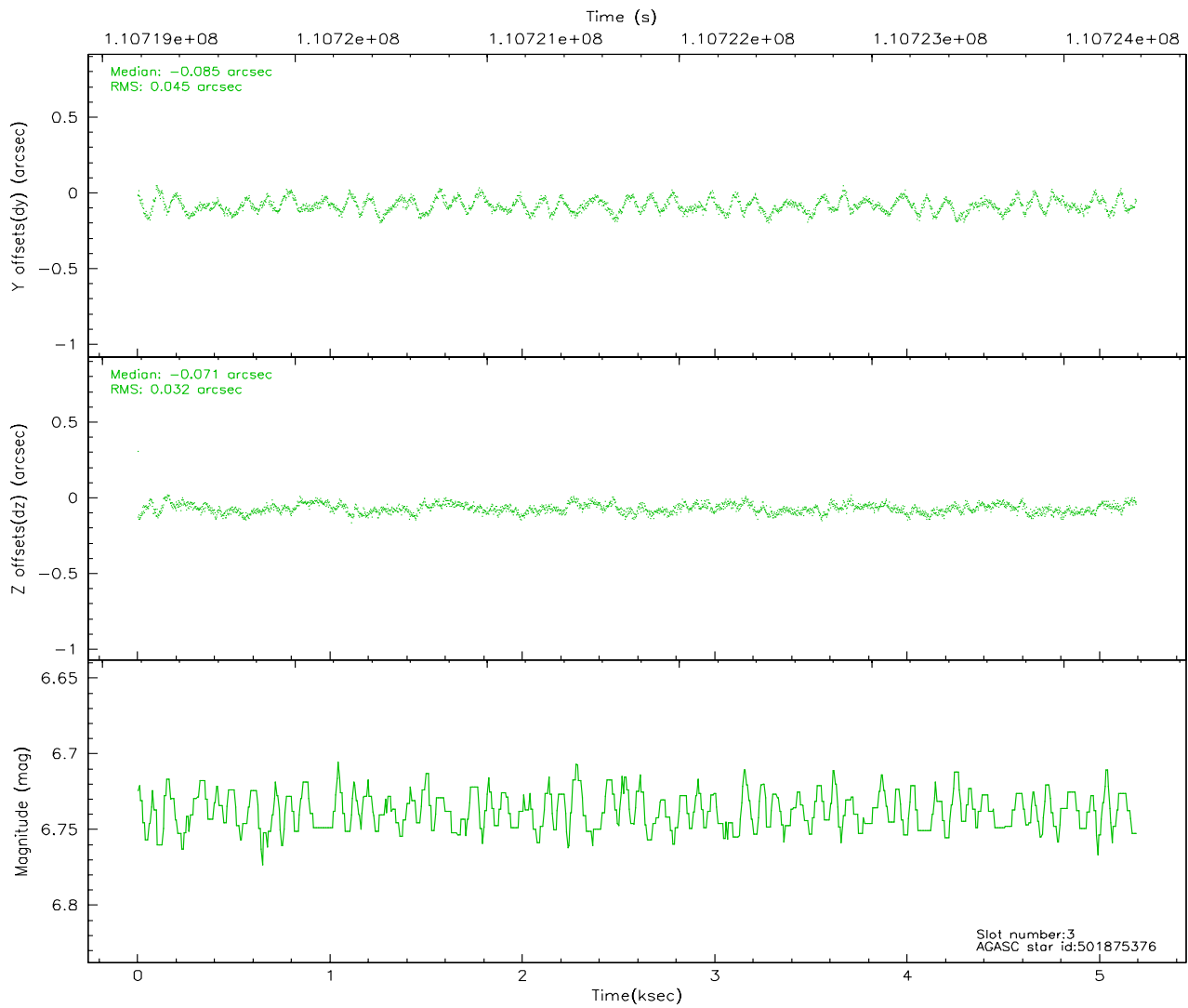
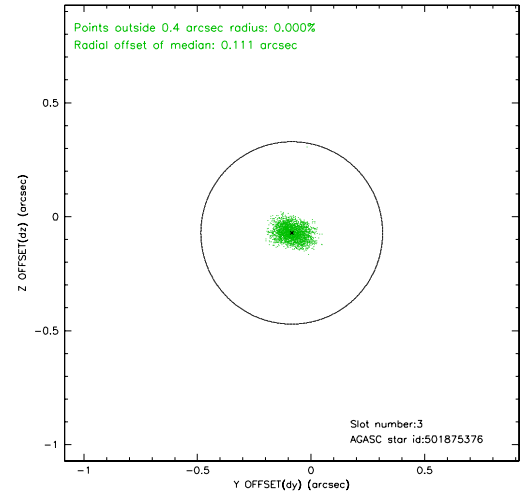
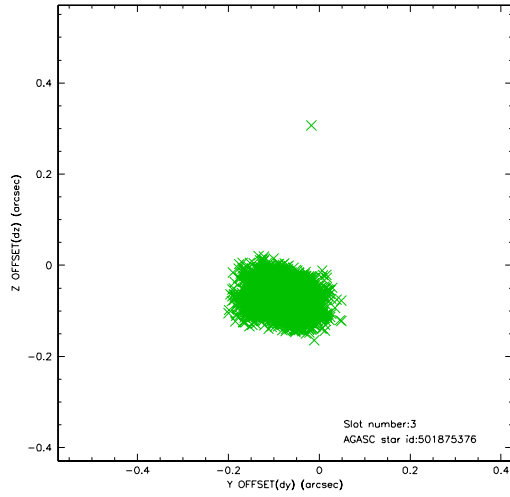


Slot Statistics

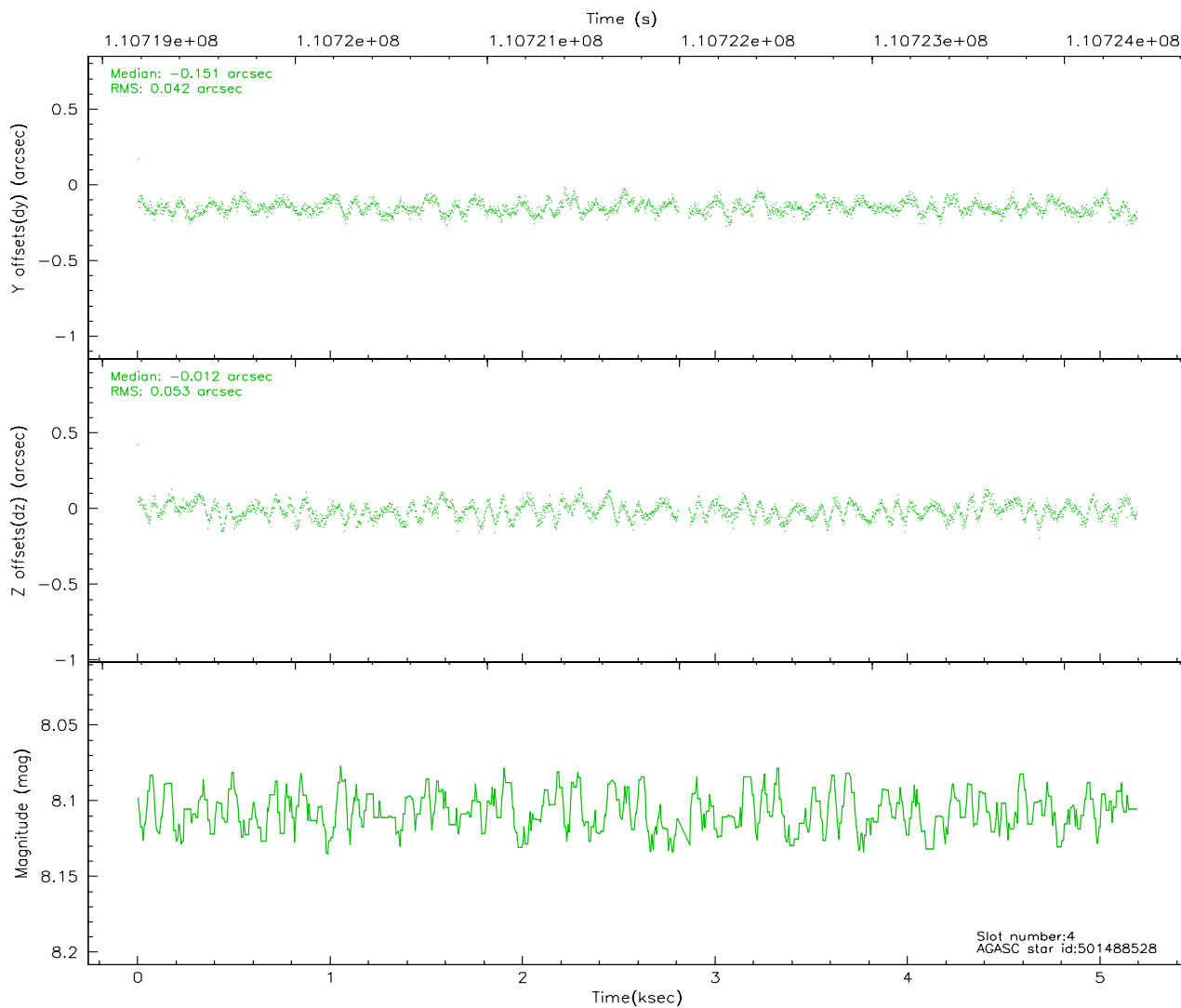
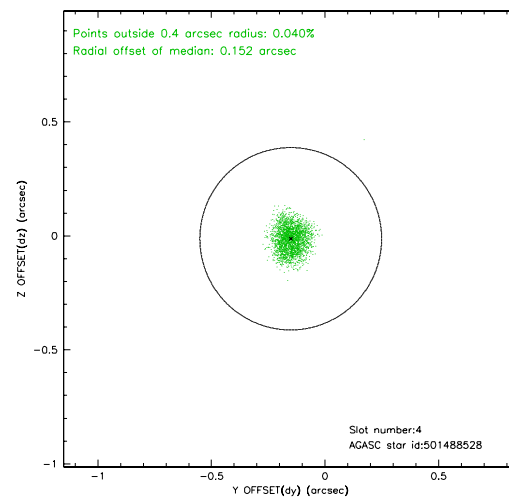
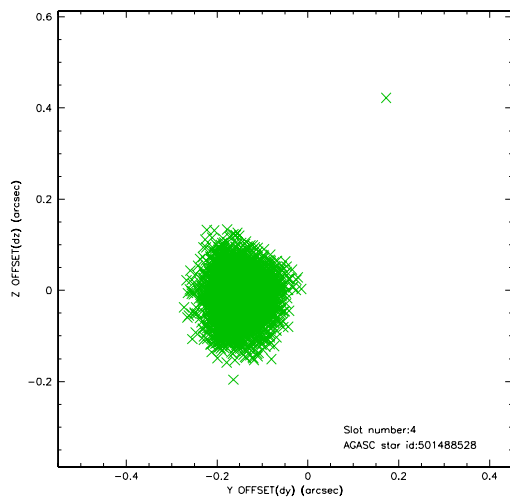
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.16	1267	-0.025	-0.045	0.008	0.015	0.000000	0.000000	-755.63	-836.75
1	FID	ACIS-I-4	7.18	1267	-0.091	0.036	0.005	0.009	0.000000	0.000000	2157.82	1068.95
2	FID	ACIS-I-5	7.23	1267	0.015	0.079	0.008	0.014	0.000000	0.000000	-1807.93	1068.13
3	GUIDE	501875376	6.74	2533	-0.085	-0.071	0.059	0.093	164.111621	57.502963	-1426.55	2230.11
4	GUIDE	501488528	8.11	2504	-0.151	-0.012	0.073	0.111	162.150935	57.312270	-1669.55	-1624.84
5	GUIDE	501486400	9.27	2531	0.012	-0.014	0.076	0.128	162.514901	56.545412	1182.40	-1625.35
6	GUIDE	501486512	9.60	2530	0.119	0.014	0.090	0.149	163.579075	56.729186	1047.58	578.67
7	GUIDE	501485952	9.85	2490	0.101	0.089	0.130	0.203	164.221789	56.630763	1682.37	1736.39

2.4 Star Slots

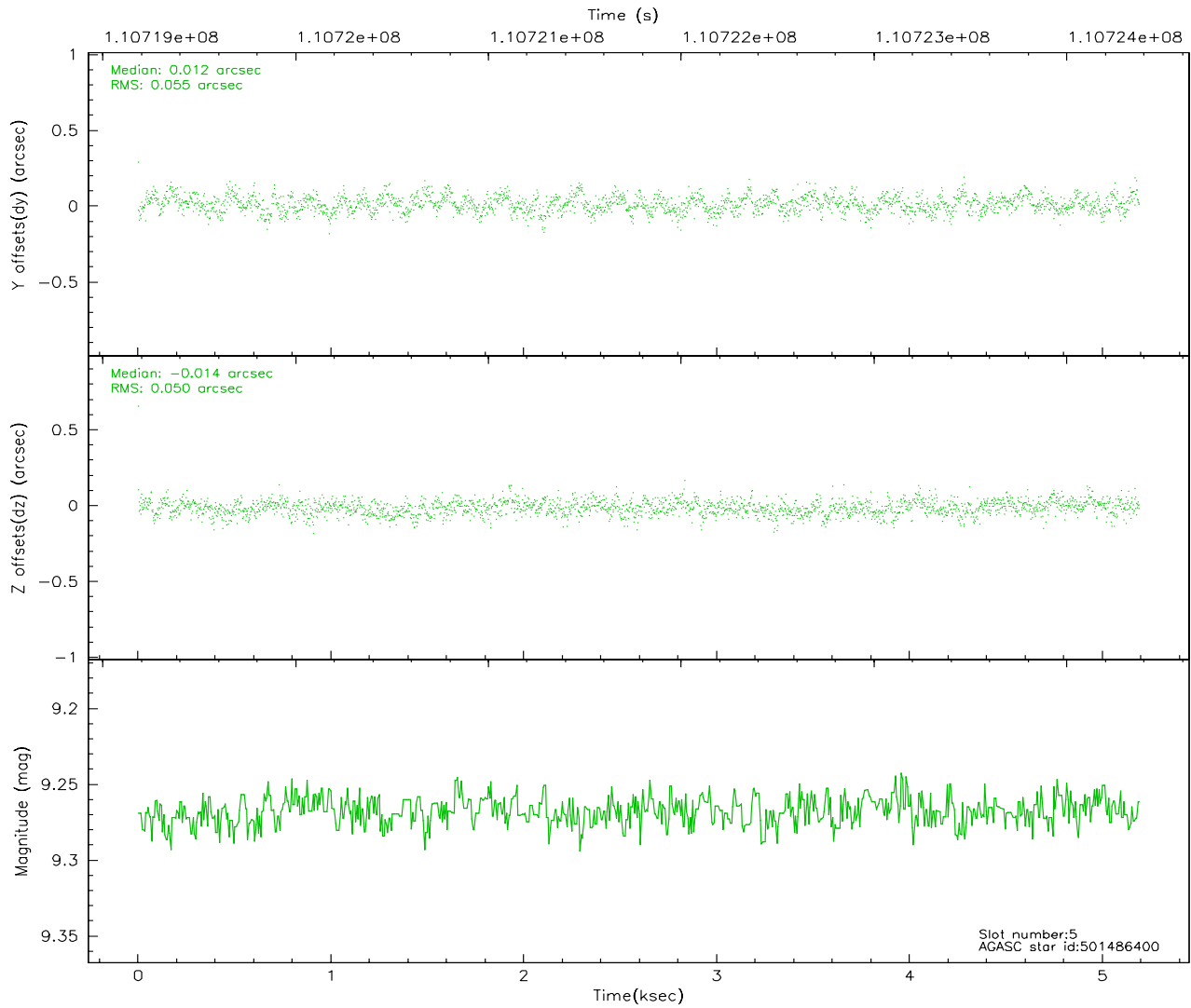
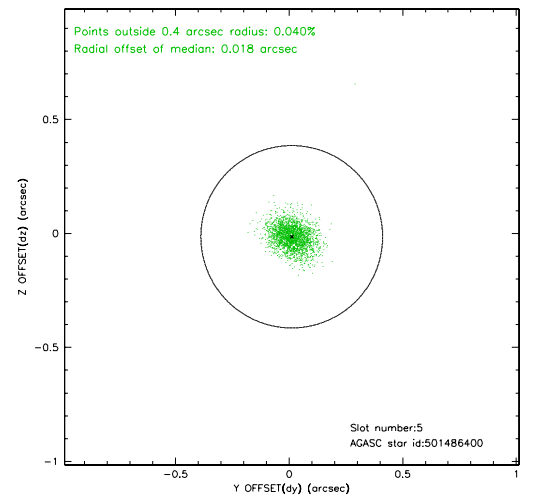
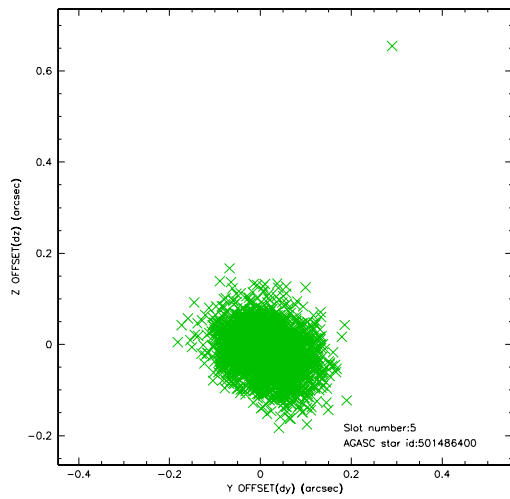
2.4.1 Slot 3



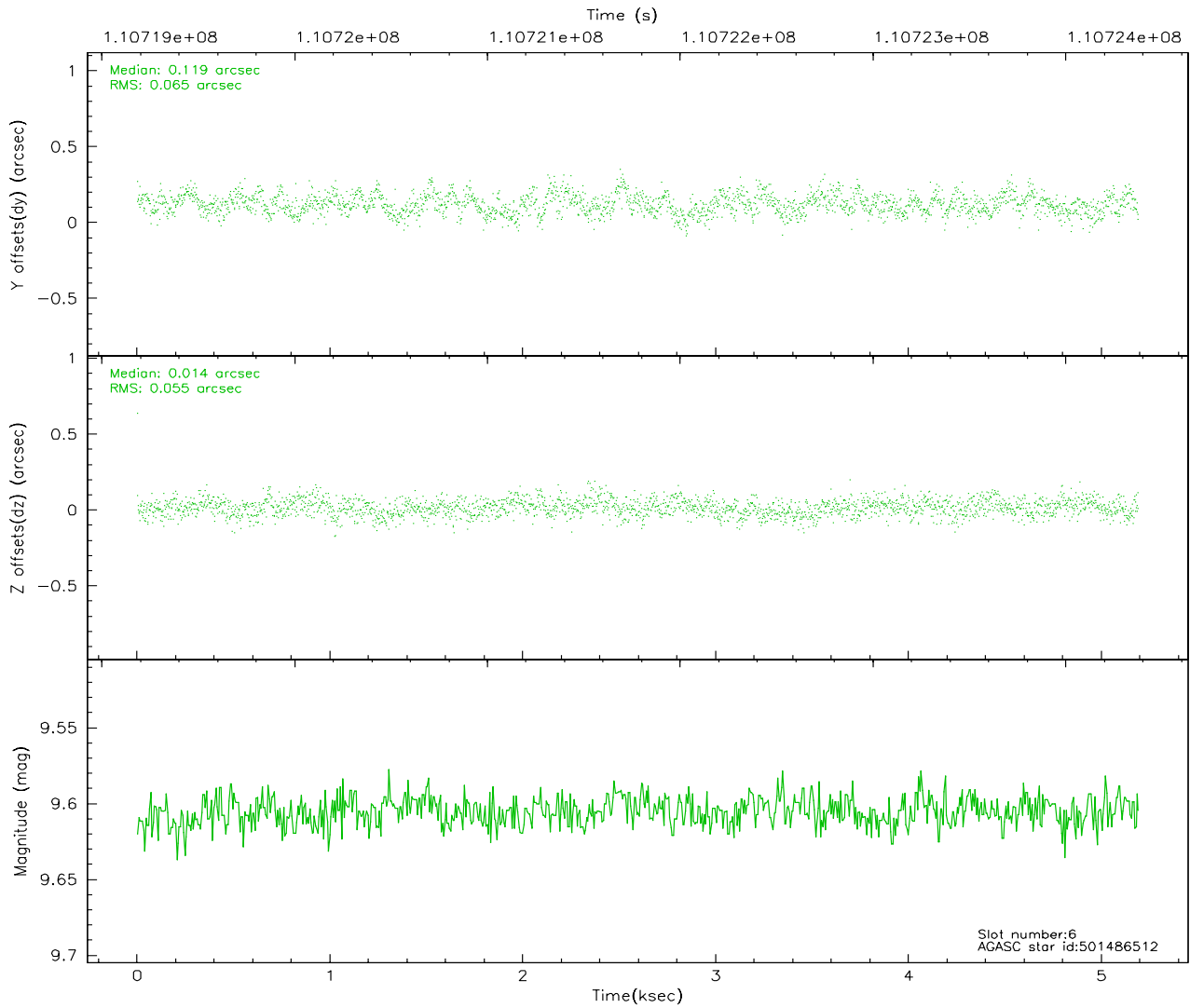
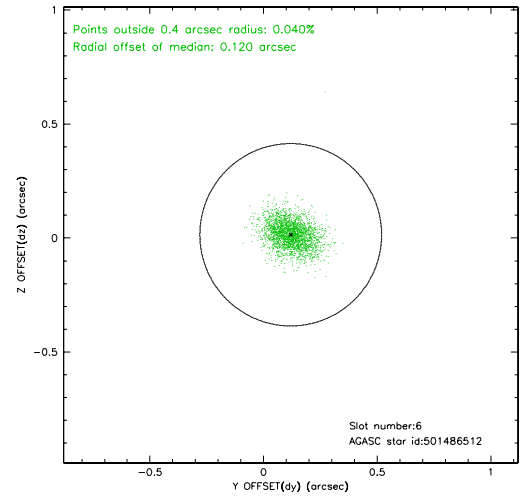
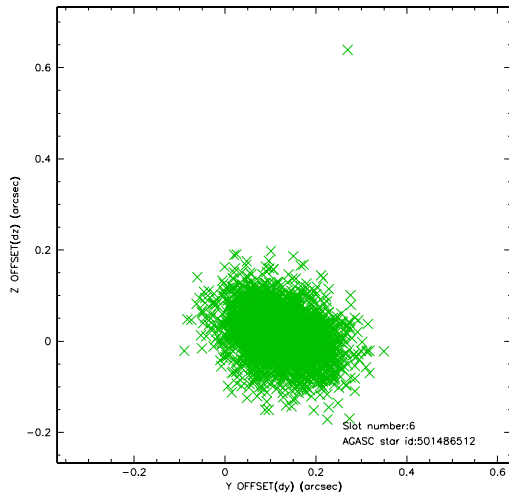
2.4.2 Slot 4



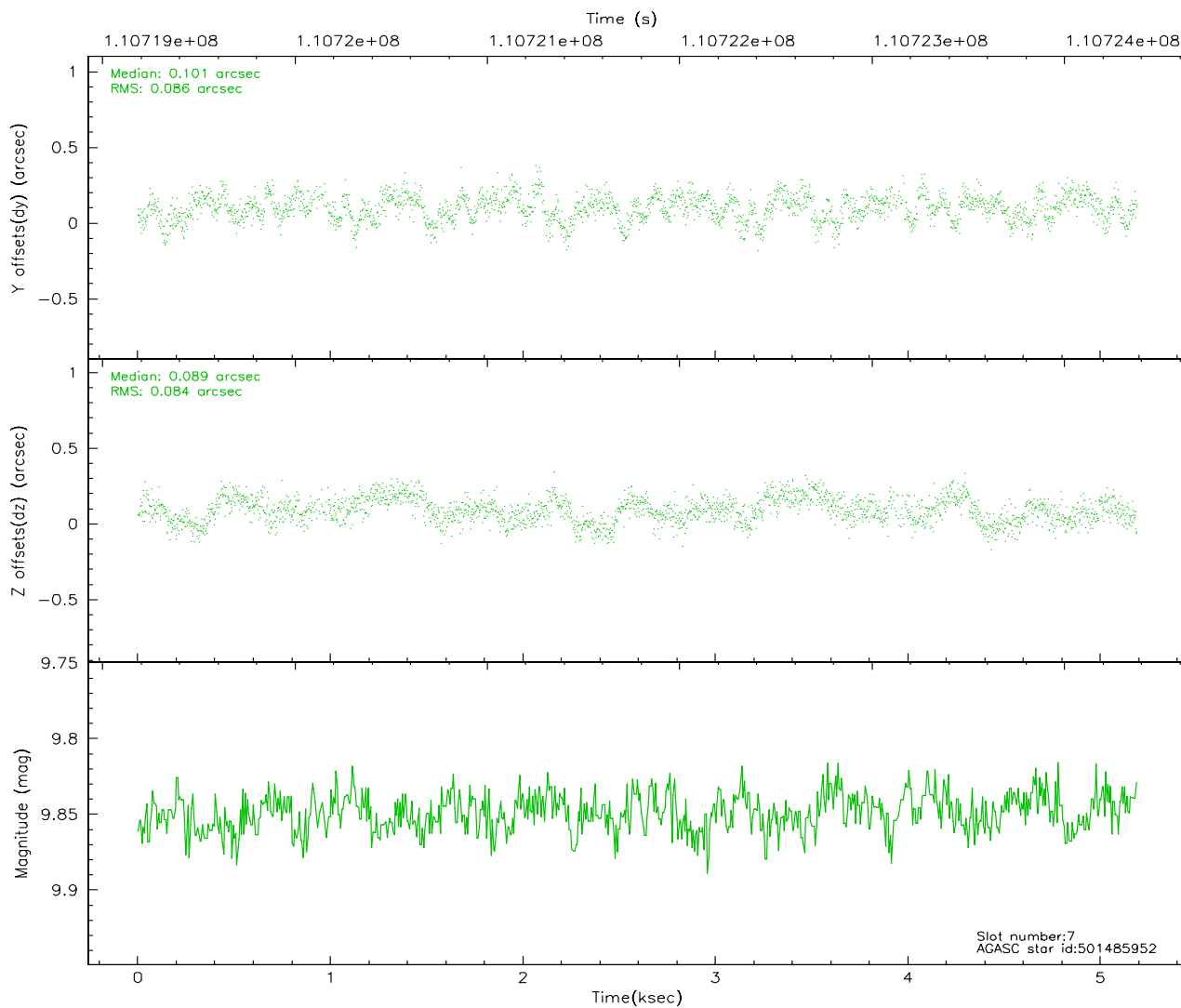
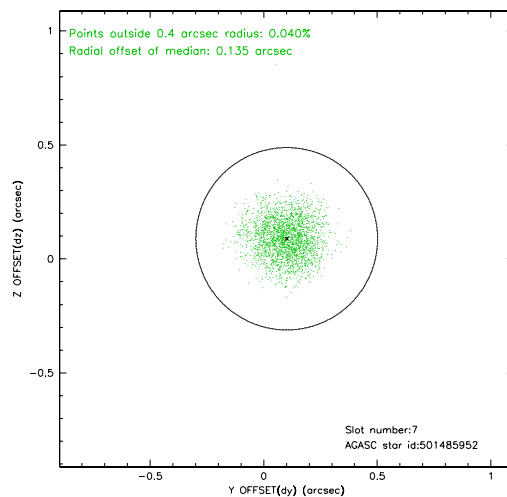
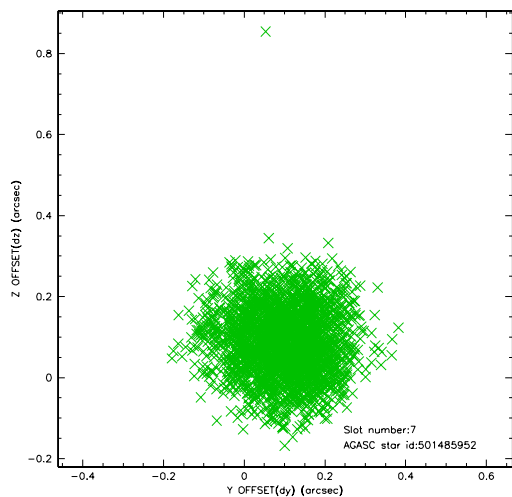
2.4.3 Slot 5



2.4.4 Slot 6

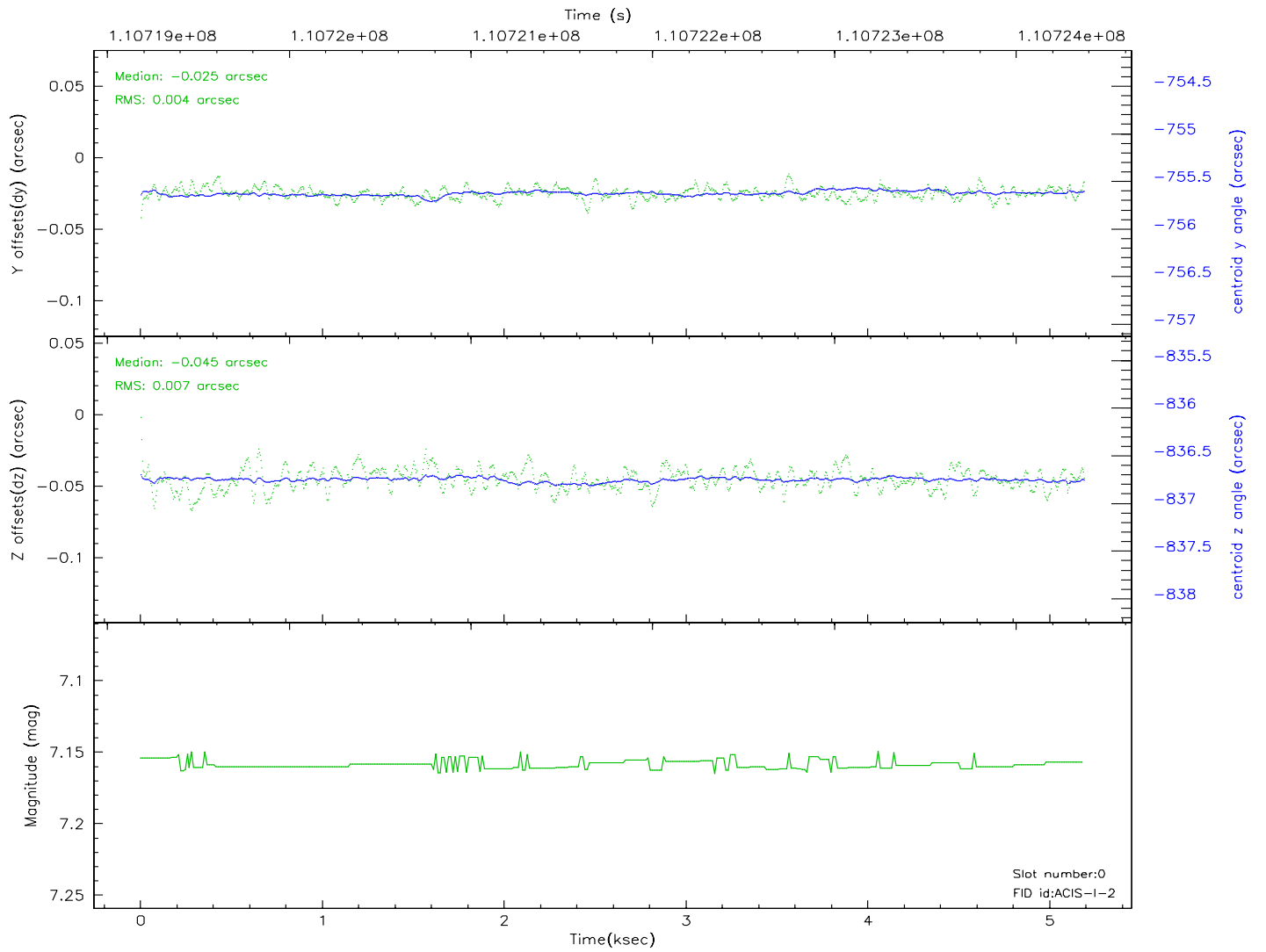
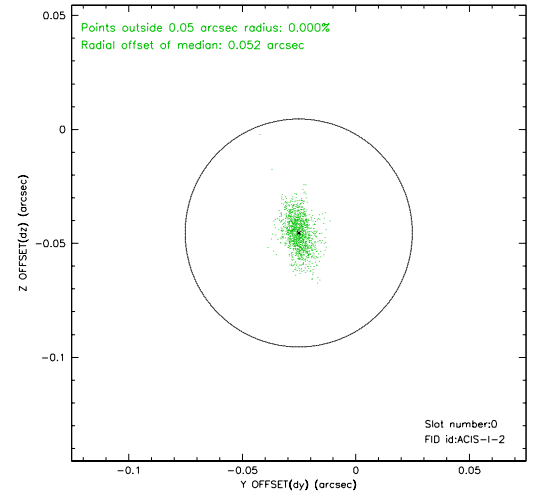
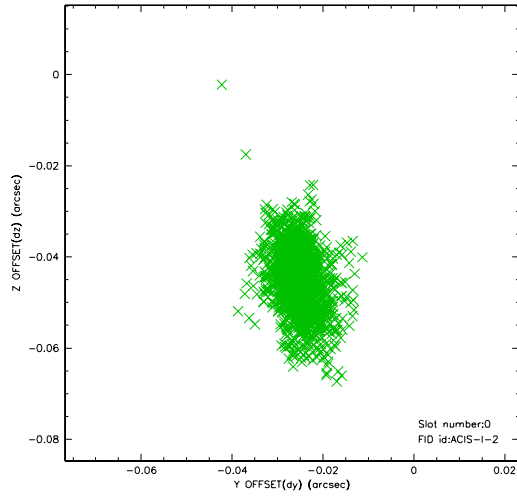


2.4.5 Slot 7

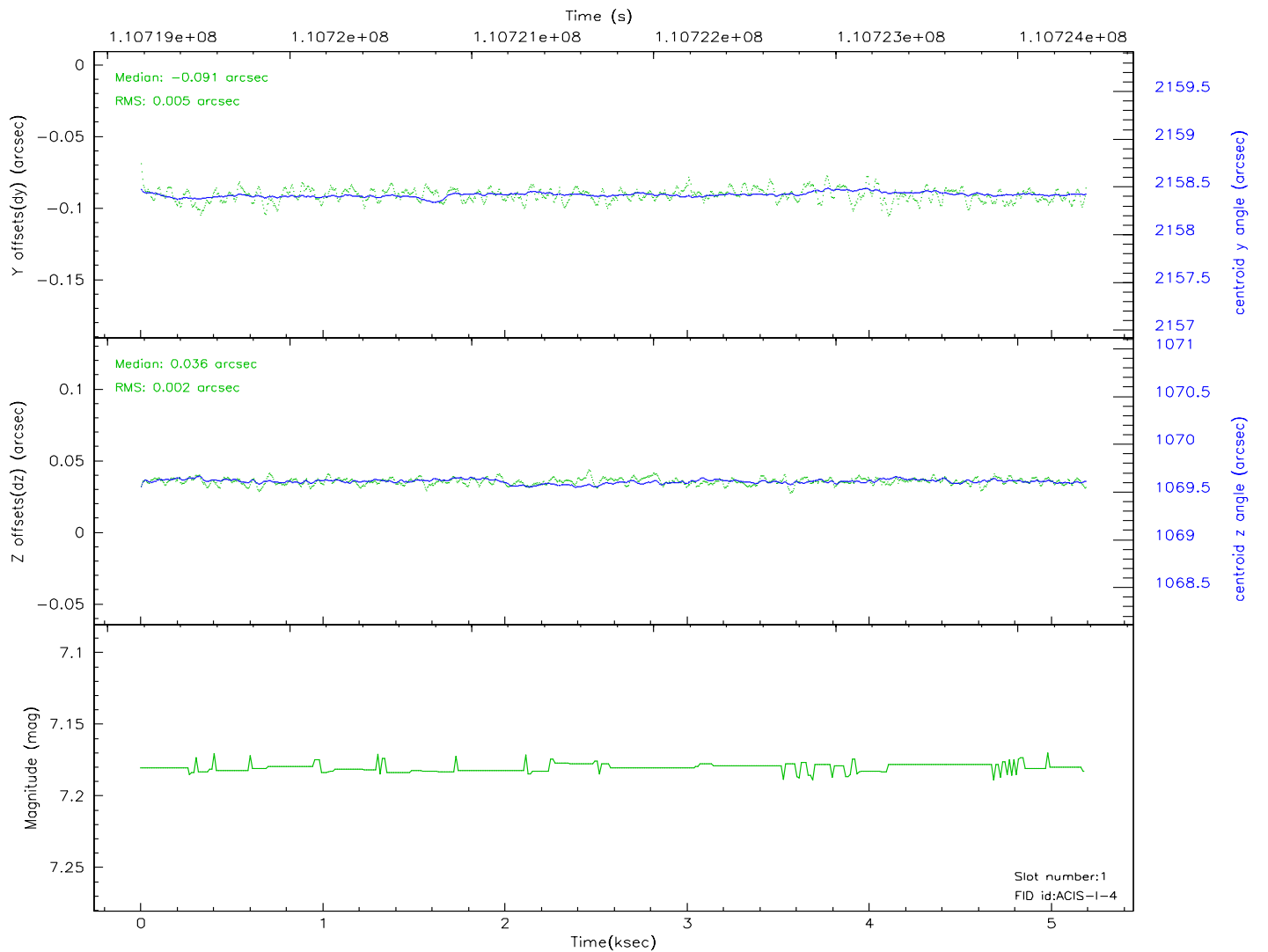
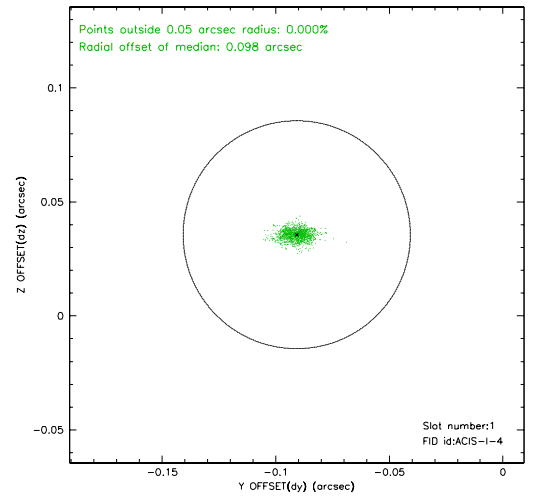
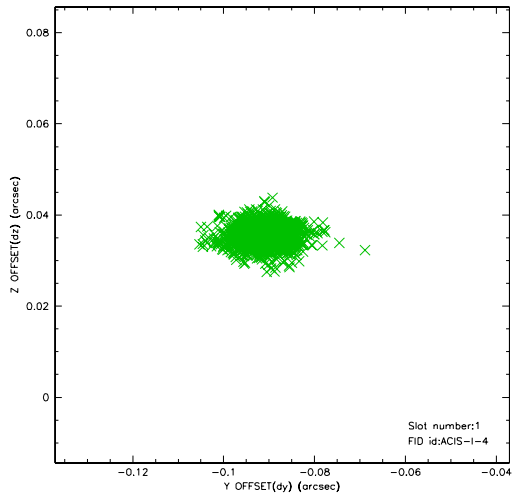


2.5 FID Slots

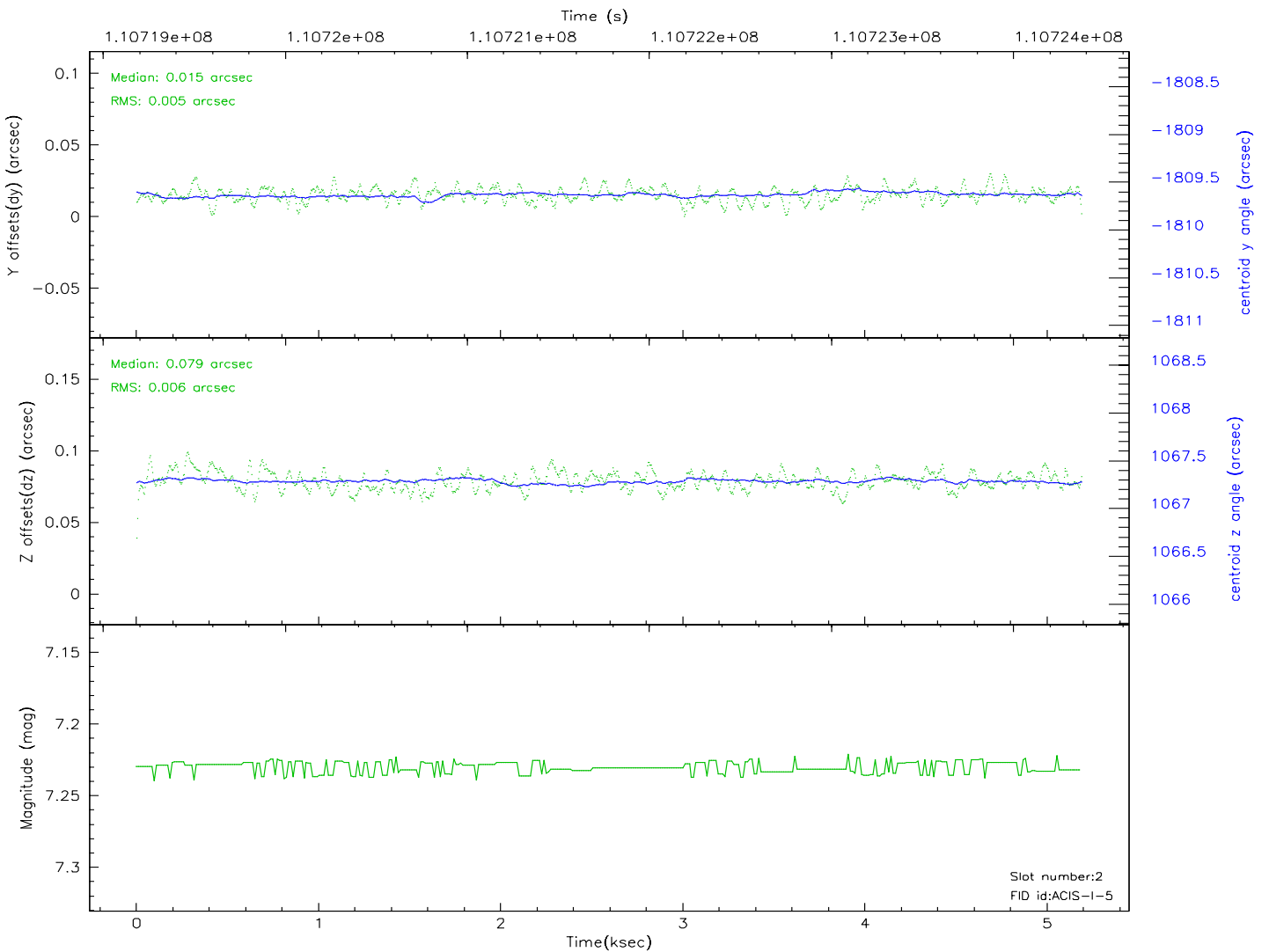
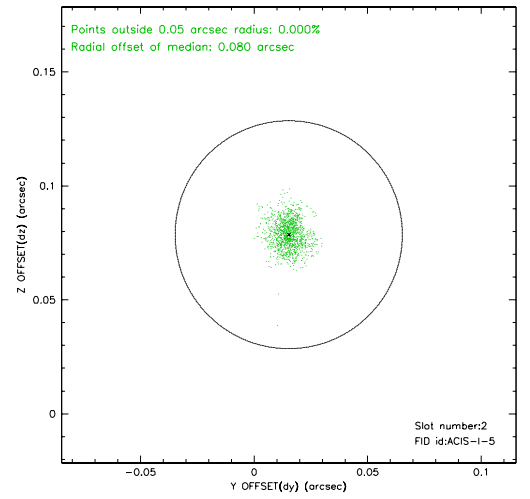
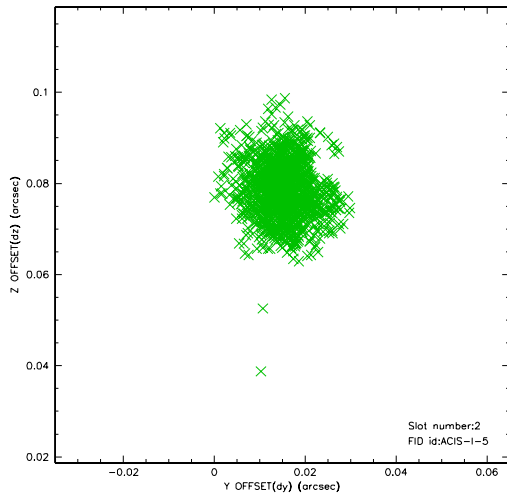
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources

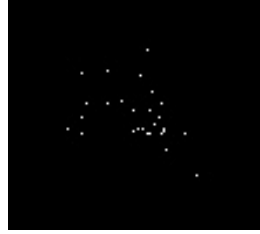
3.67 arcmin



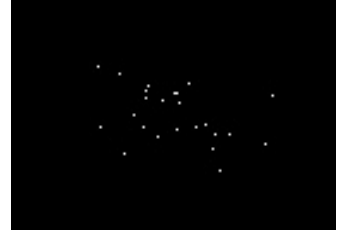
8.14 arcmin



6.41 arcmin



4.69 arcmin



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.12.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.8

A.2 Comments