

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 5132 - L2 Version 001
Chandra X-Ray Center

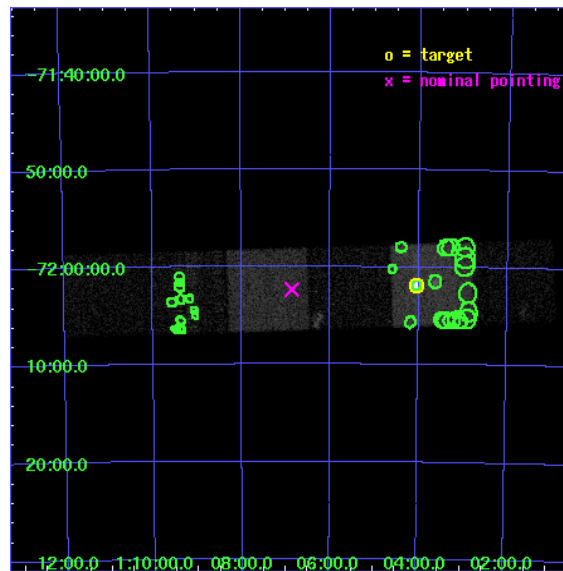
L2 Processing Date : May 25 2006

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1 Front

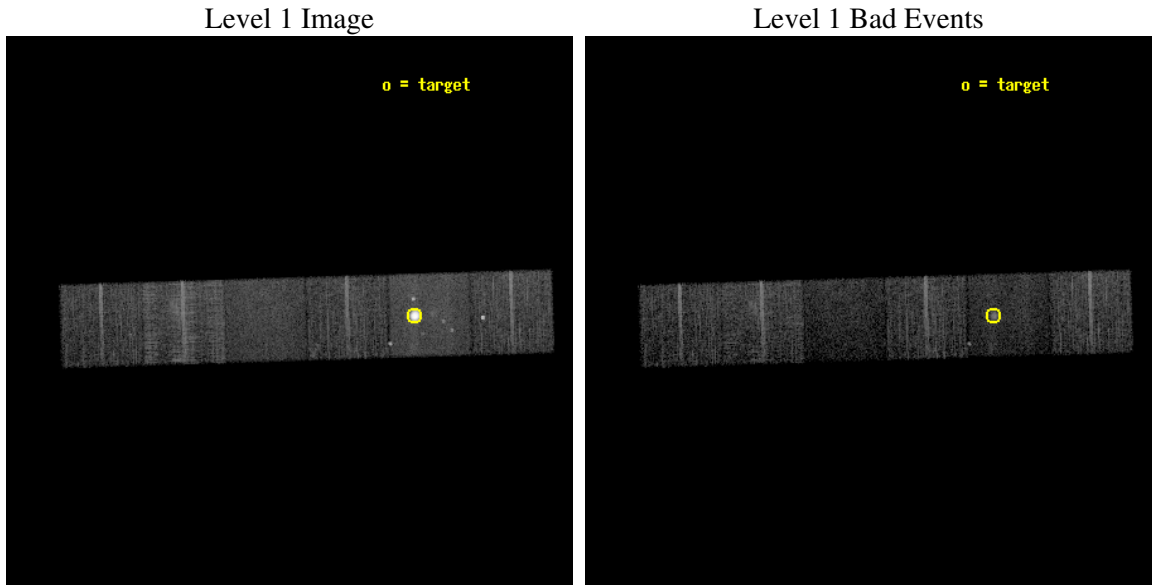
seq_num	590330
obs_id	5132
title	AO5B ACIS-S Calibration Observations of E0102-72
observer	Dr. CXC Calibration
object	E0102-72[S1,-120,13.29,0,0]
dtcycle	0
cycle	P
ra_targ	16.01
dec_targ	-72.032028
ra_nom	16.714833694326
dec_nom	-72.039072317914
roll_nom	178.21103703971
revision	2
ontime	7596.7999716997
livetime	7500.6047162143
ontime4	7593.559001416
ontime5	7596.7999716997
ontime6	7596.7999716997
ontime7	7596.7999716997
ontime8	7593.5590114295
ontime9	7596.7999716997
l2events	102251



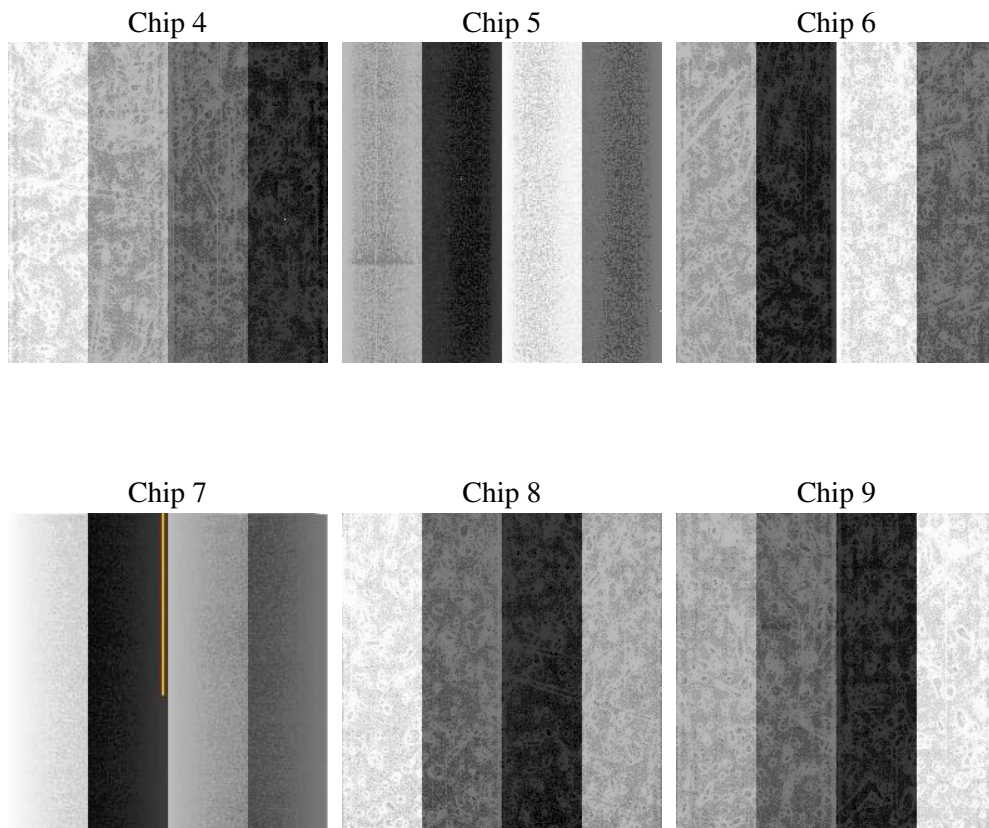
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.2
caldbver	3.2.2
date	2006-05-25T07:58:08
revision	2

sched_exp_time	7840.000000
ontime	7600.1481946111
ontime4	7596.9072243273
ontime5	7600.1481946111
ontime6	7600.1481946111
ontime7	7600.1482145488
ontime8	7596.9072343409
ontime9	7600.1481946111
l1events	333416

2.1.4 Events

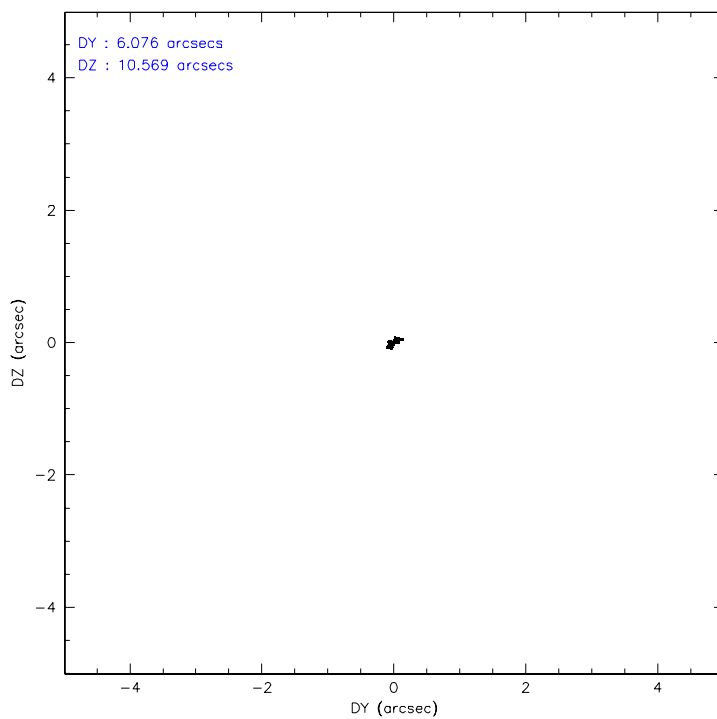
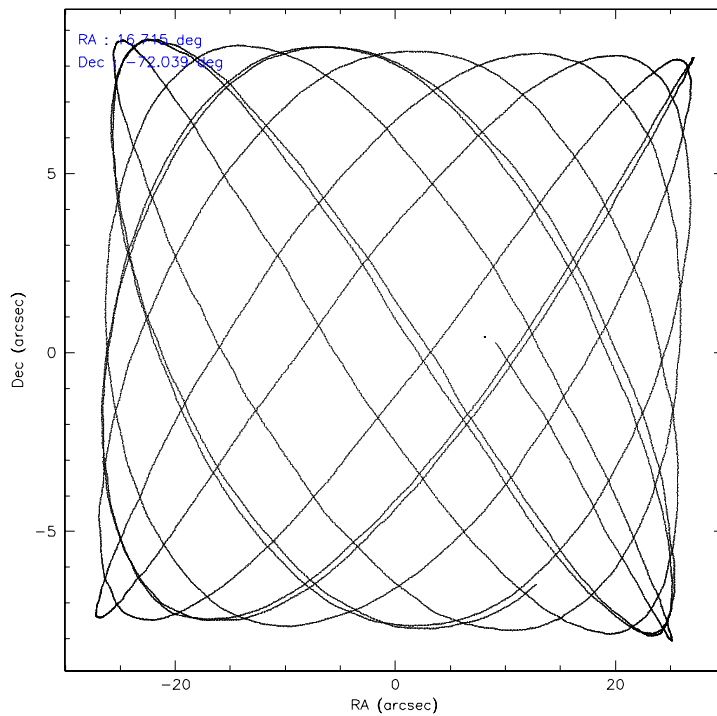
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	51134	97041	43903	40174	61250	39914
rejected events	43864	26472	38539	21497	42700	35312
rejected %	85%	27%	87%	53%	69%	88%

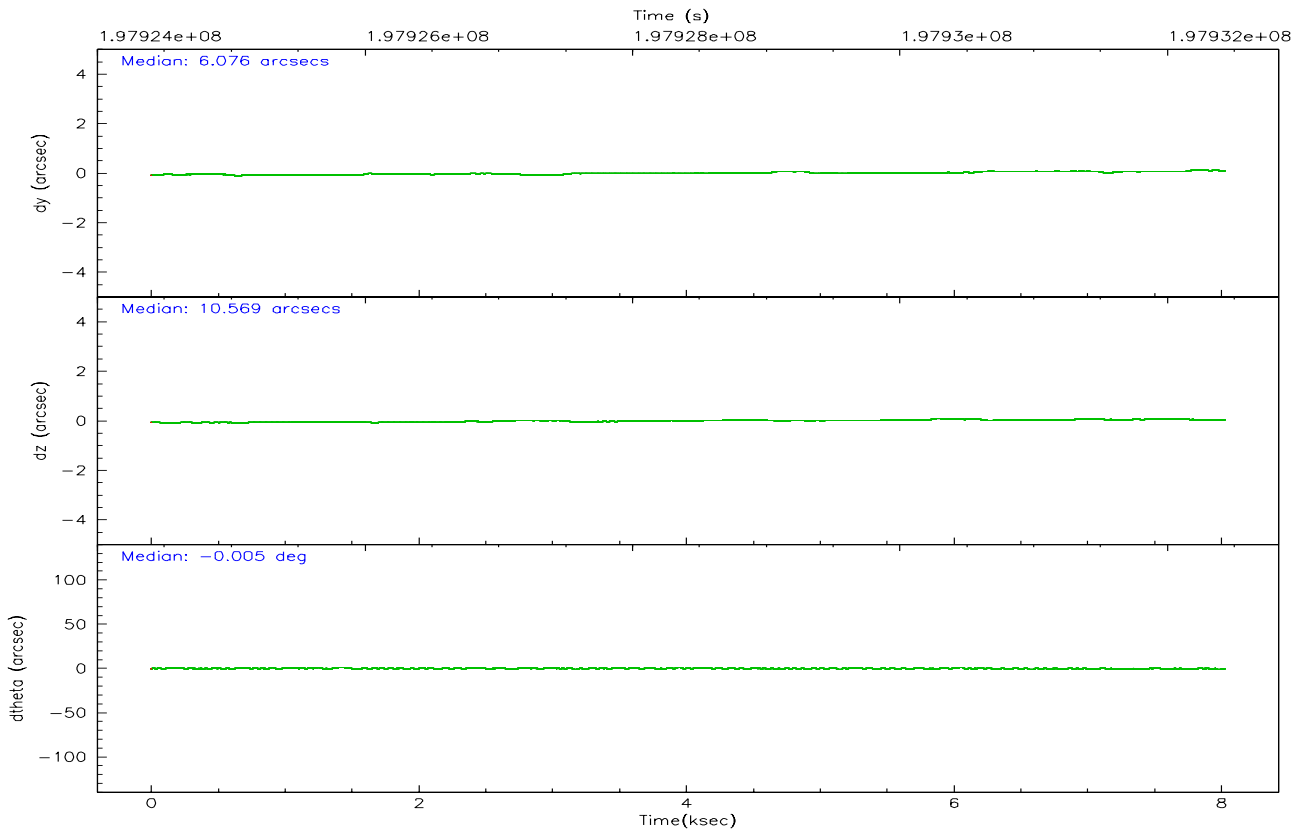
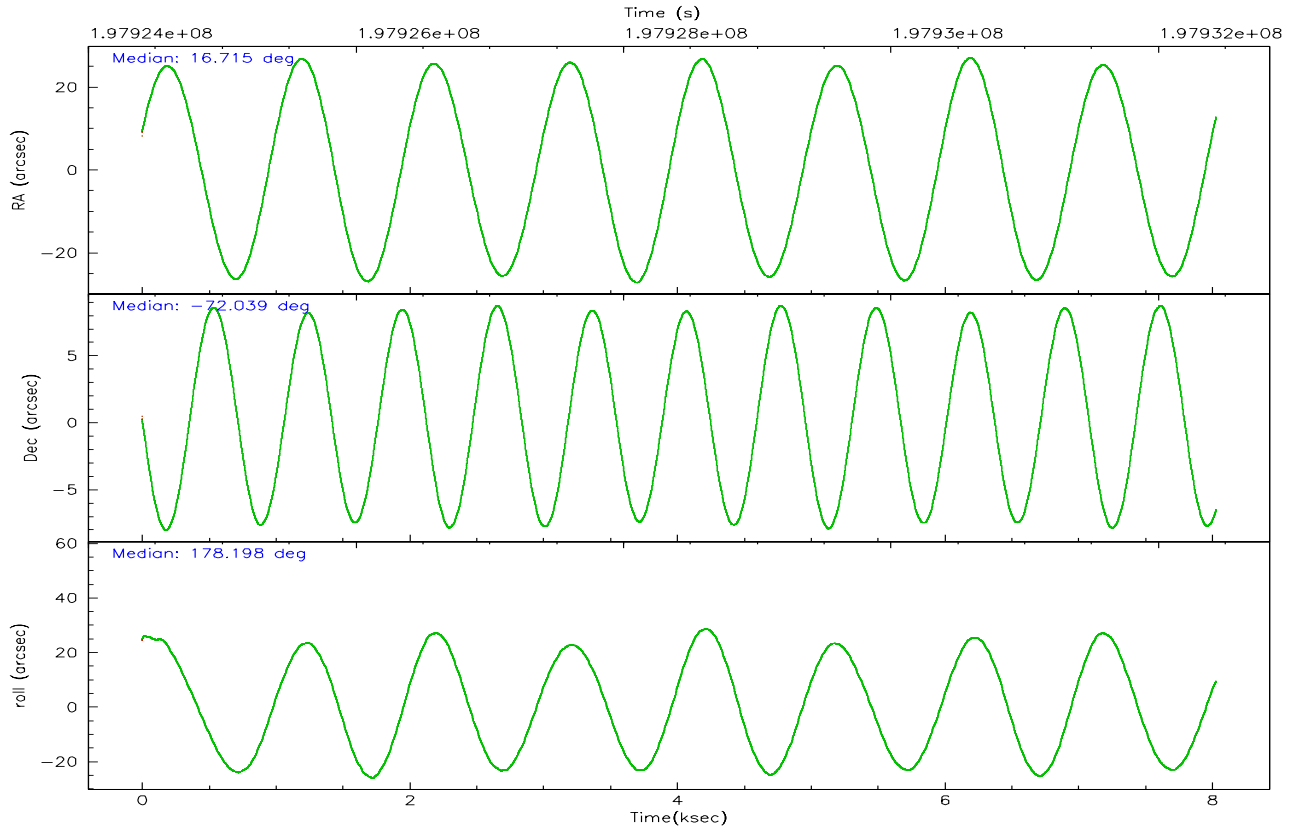
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	4375	21861	2541	1266	6487	1846
	8%	22%	5%	3%	10%	4%
grade 1 events	71	275	22	31	75	26
	0%	0%	0%	0%	0%	0%
grade 2 events	1183	21714	1018	4826	2994	906
	2%	22%	2%	12%	4%	2%
grade 3 events	501	4452	504	1174	2967	528
	0%	4%	1%	2%	4%	1%
grade 4 events	514	4680	483	1173	2576	462
	1%	4%	1%	2%	4%	1%
grade 5 events	1403	3379	1380	3168	2111	1619
	2%	3%	3%	7%	3%	4%
grade 6 events	699	17890	819	10243	3528	862
	1%	18%	1%	25%	5%	2%
grade 7 events	42388	22790	37136	18293	40512	33665
	82%	23%	84%	45%	66%	84%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-456789	ACIS-456789	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	16.791947	16.71483369432556	Alternating exposures requested	N	N
Pointing Dec	-72.025819	-72.03907231791416	Primary exposure time	0.000000	3.2
Pointing Roll	178.127756	178.2110370397077			
Window start time	197164864.184000	197164864.184000			
Window stop time	199670464.184000	199670464.184000			
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	197924587.184000	197924211.12526			
Observation start date	2004-04-09T19:02:03	2004-04-09T18:56:51			
Observation end time	197932427.184000	197932561.80063			
Observation end date	2004-04-09T21:12:43	2004-04-09T21:16:01			
Read mode	TIMED	TIMED			

2.3 Aspect



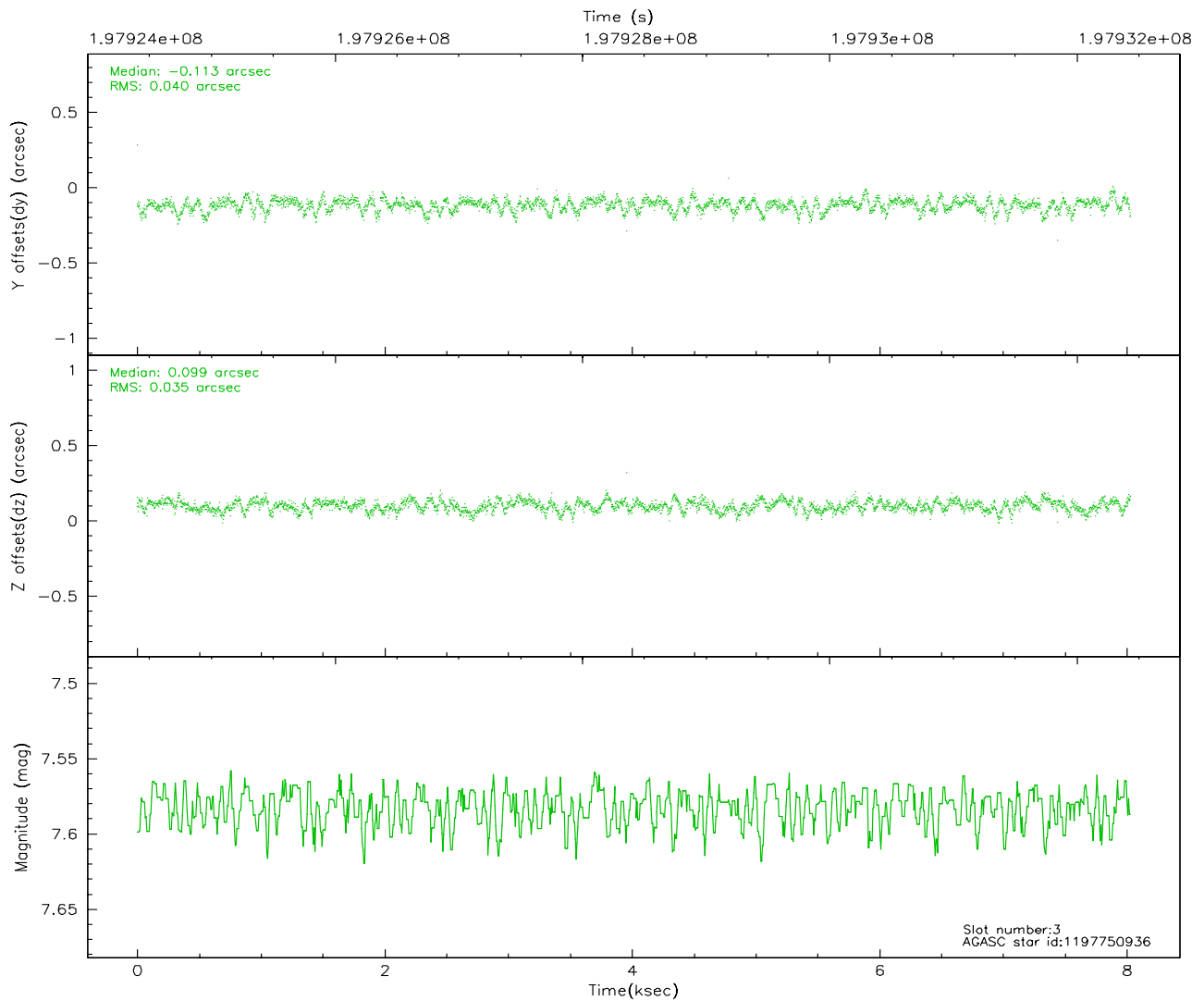
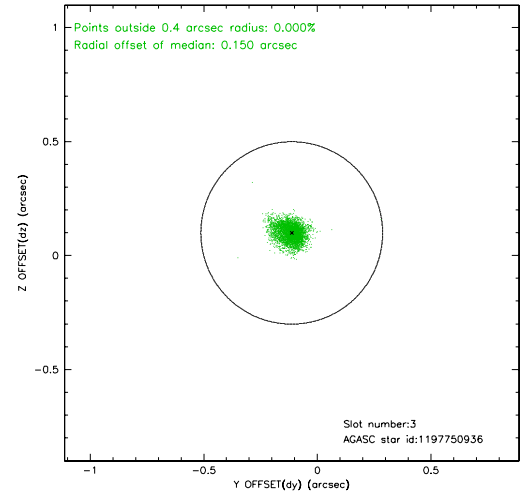
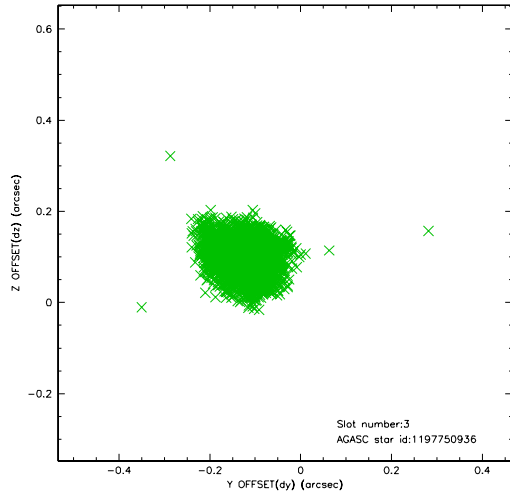


Slot Statistics

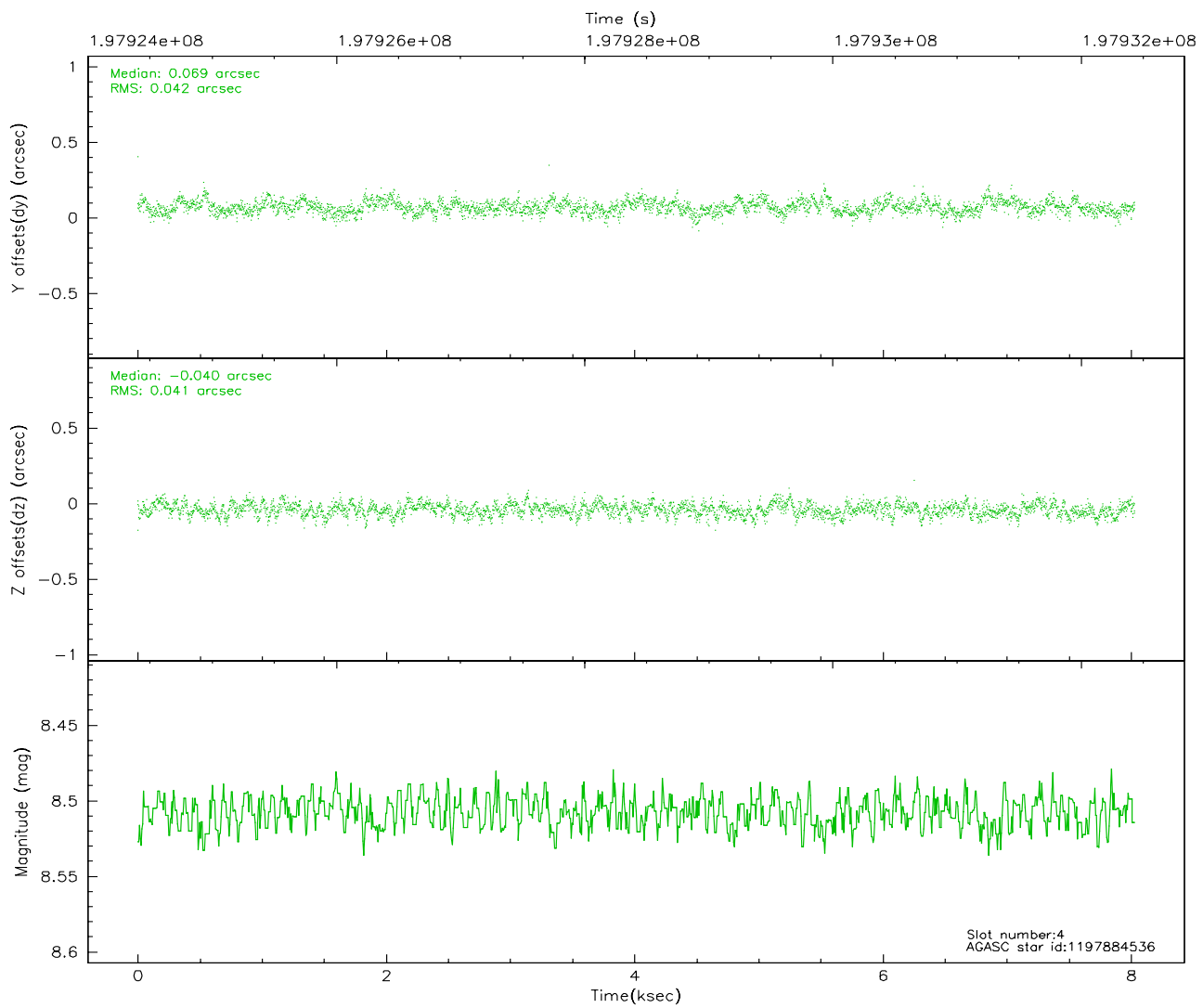
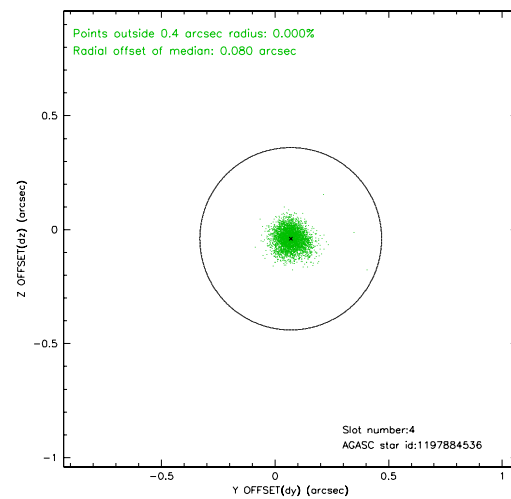
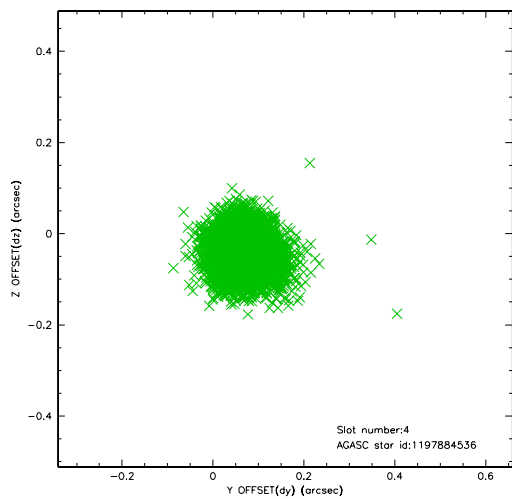
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1959	-0.058	0.005	0.006	0.011	0.000000	0.000000	-758.83	-1731.83
1	FID	ACIS-S-4	7.20	1959	0.049	0.026	0.005	0.009	0.000000	0.000000	2154.20	175.99
2	FID	ACIS-S-5	7.23	1959	-0.022	-0.023	0.006	0.010	0.000000	0.000000	-1810.77	170.35
3	GUIDE	1197750936	7.58	3918	-0.113	0.099	0.055	0.092	15.387940	-71.549550	1654.62	-1642.22
4	GUIDE	1197884536	8.51	3917	0.069	-0.040	0.062	0.100	17.160729	-71.835289	-390.33	-698.41
5	GUIDE	1197884712	8.30	3918	-0.054	-0.080	0.059	0.098	16.087398	-72.252690	745.82	845.96
6	GUIDE	1197885104	9.36	3915	0.113	-0.020	0.092	0.154	17.845067	-72.189368	-1177.89	560.86
7	GUIDE	1197885328	7.23	3917	-0.012	0.044	0.055	0.088	16.283090	-71.733943	607.91	-1028.97

2.4 Star Slots

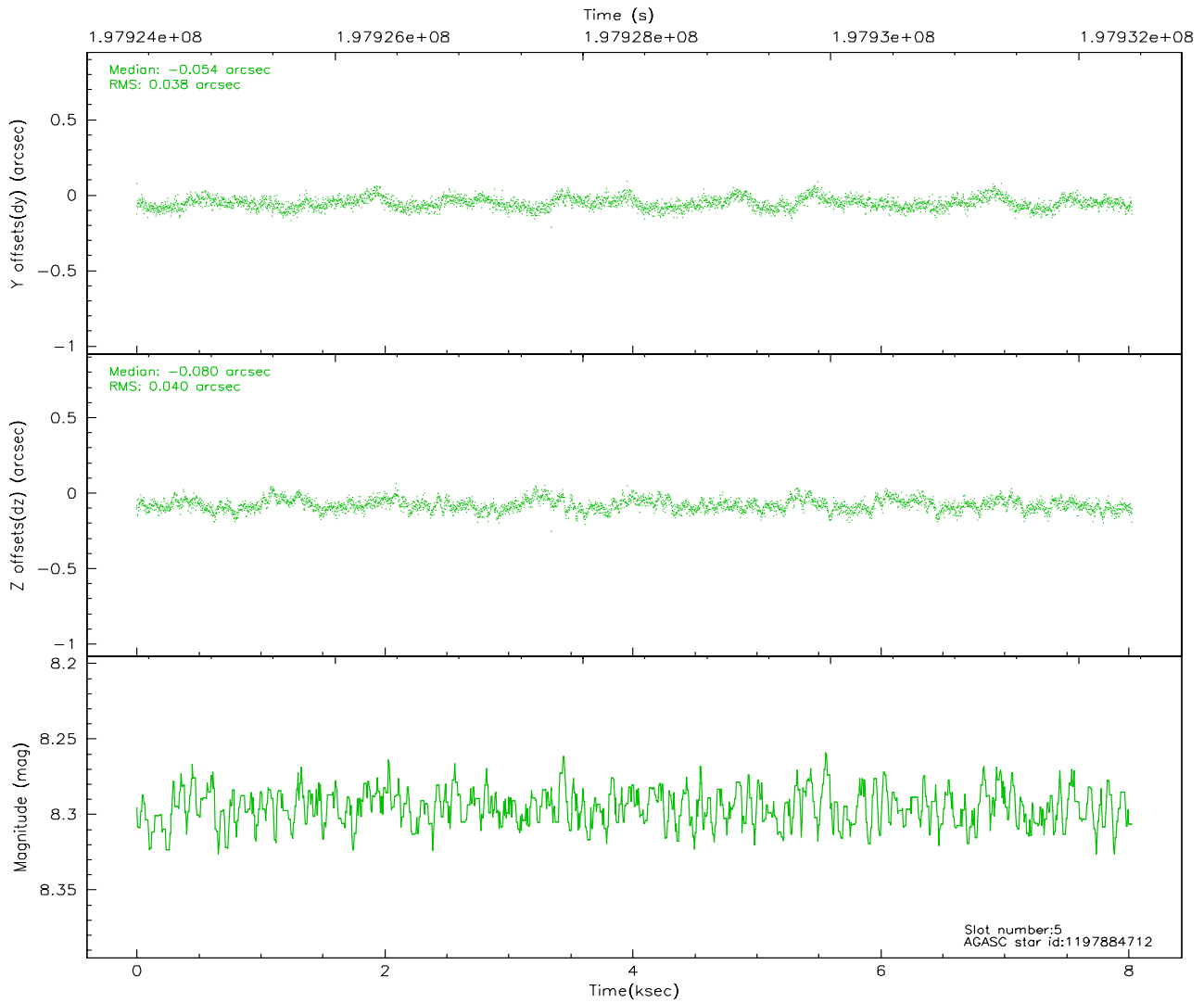
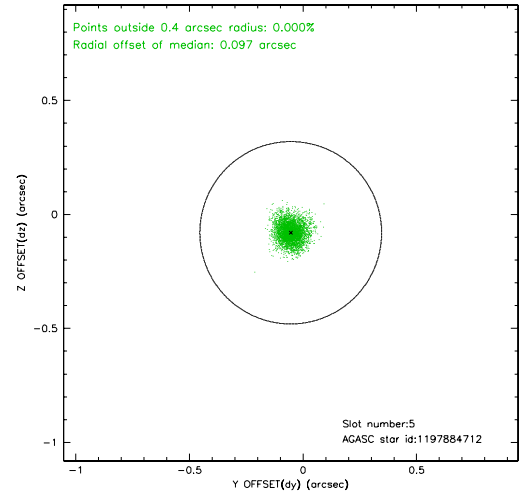
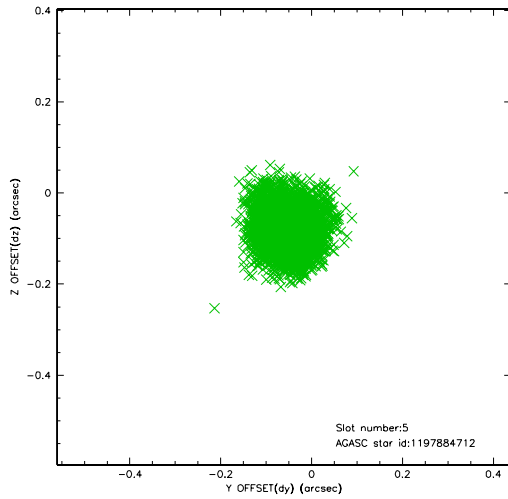
2.4.1 Slot 3



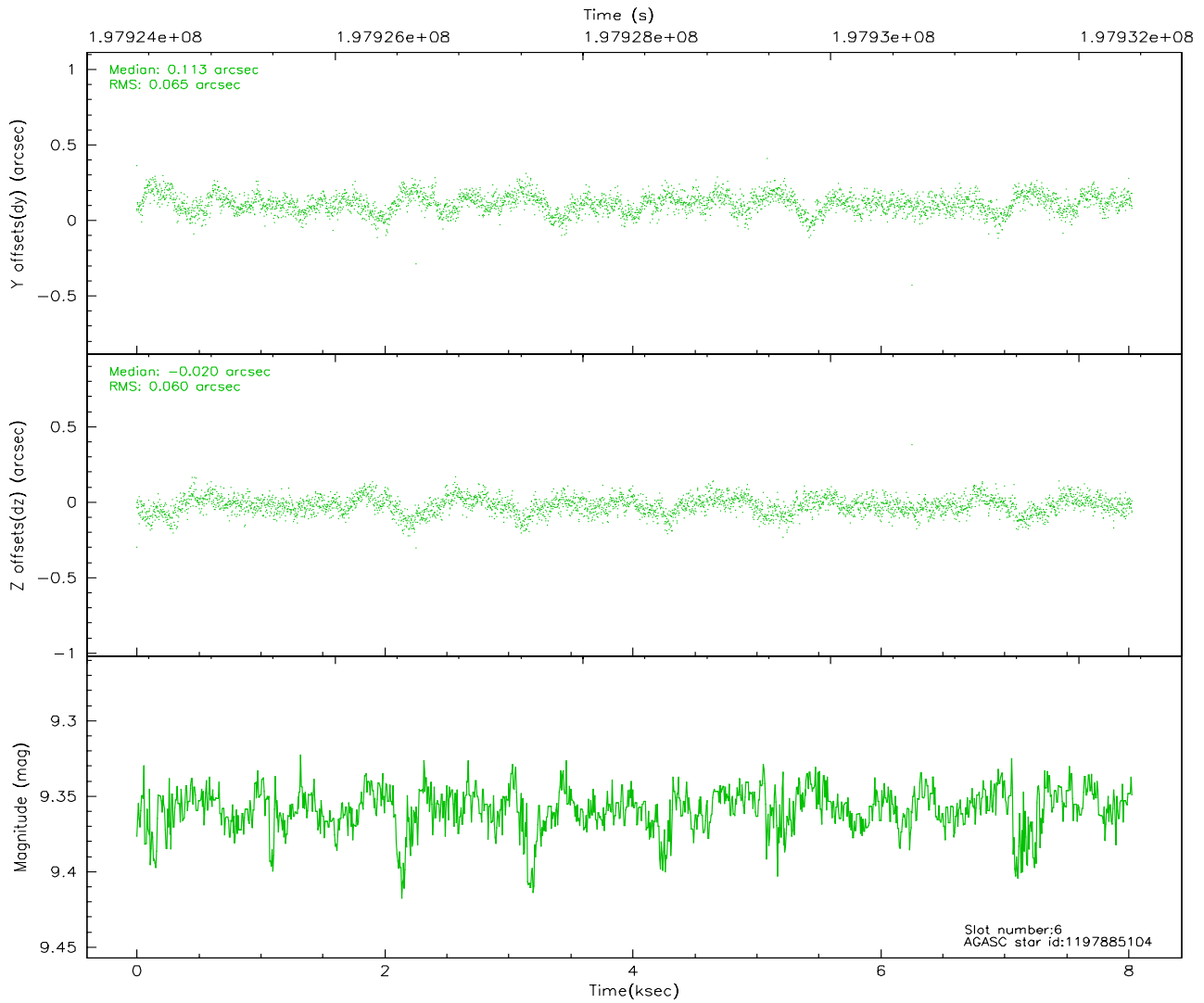
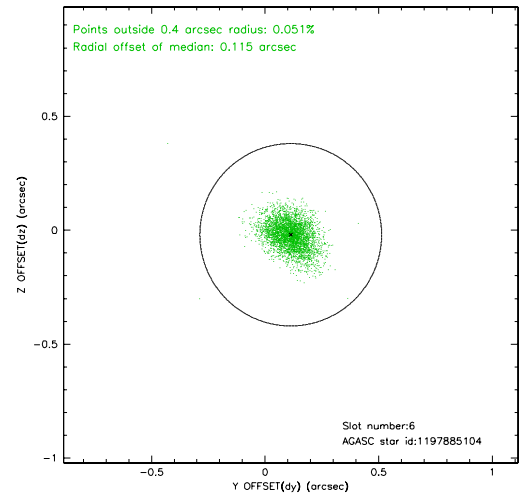
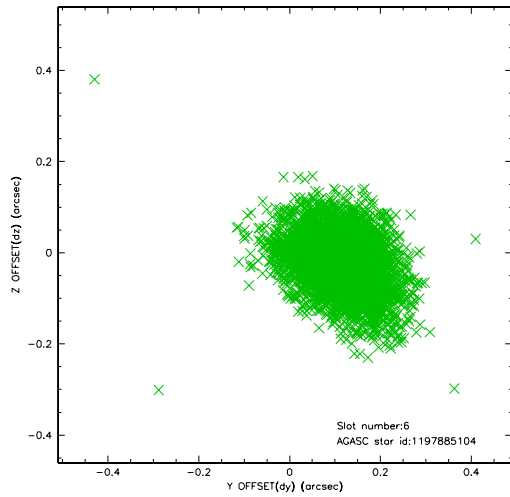
2.4.2 Slot 4



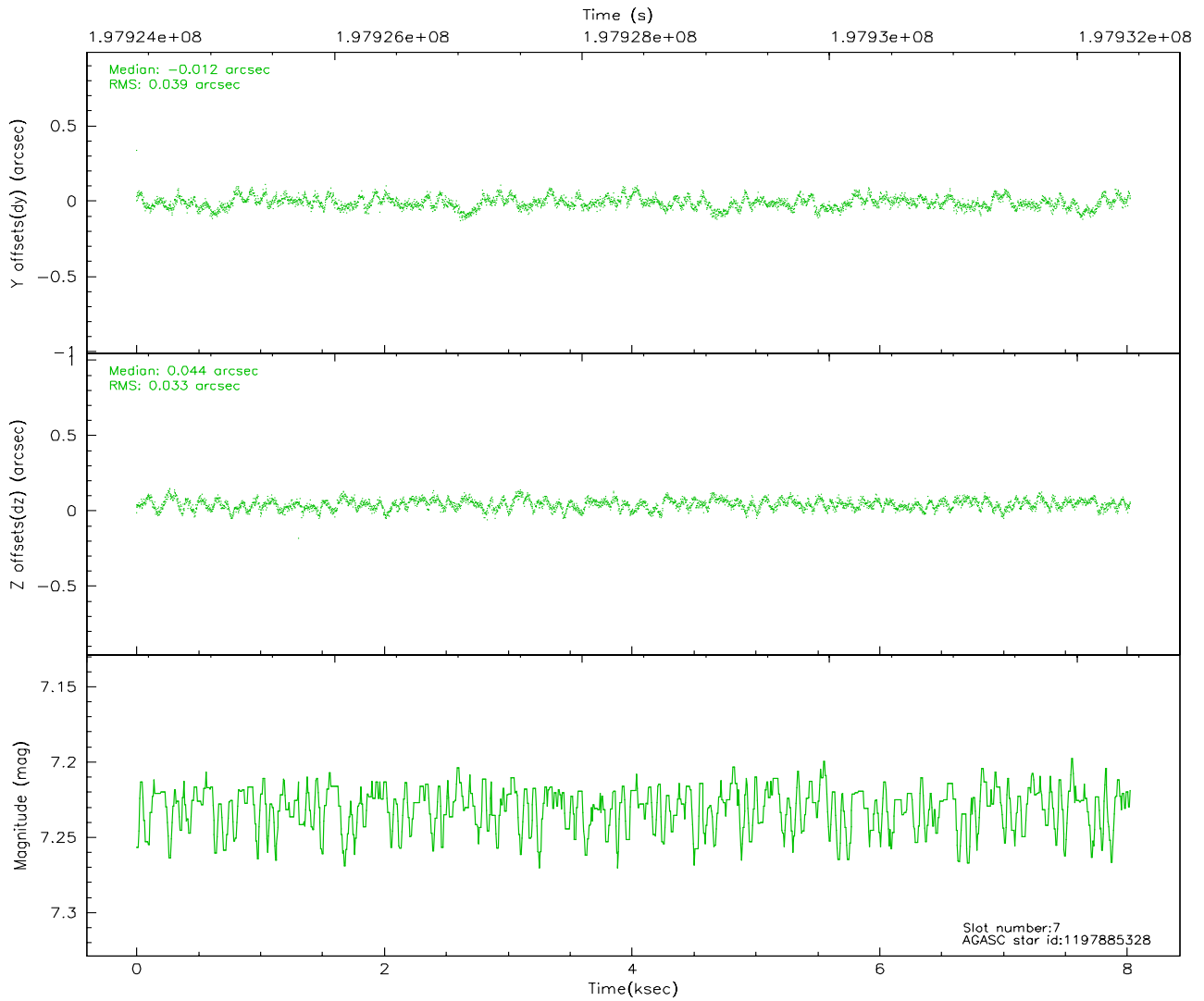
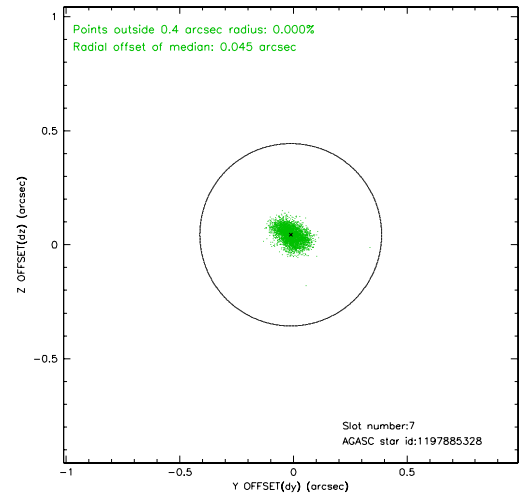
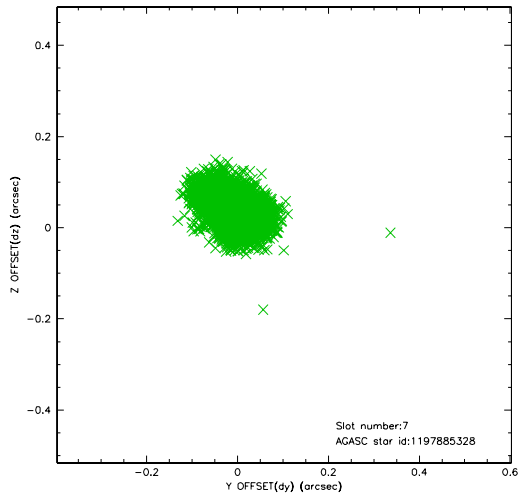
2.4.3 Slot 5



2.4.4 Slot 6

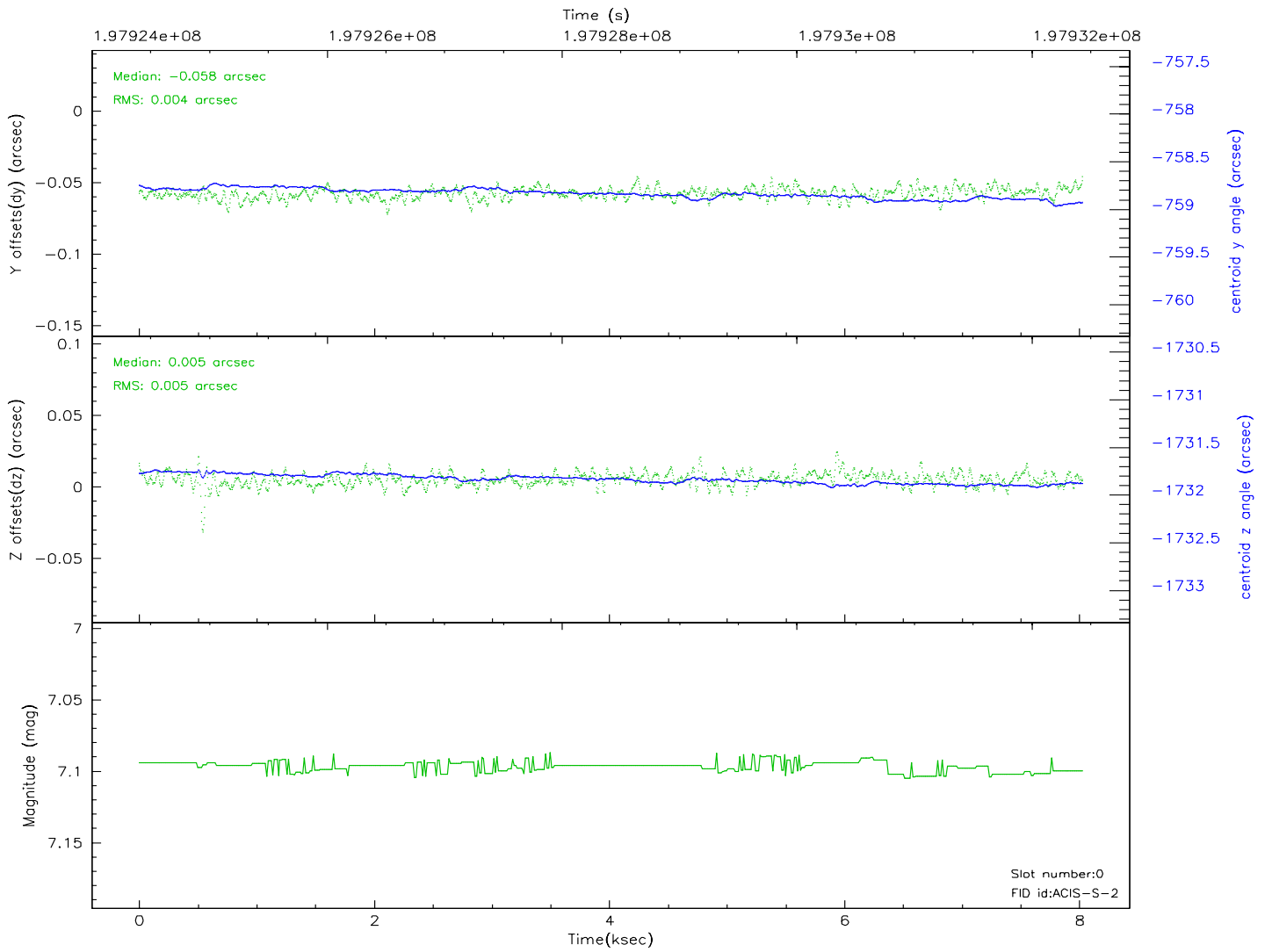
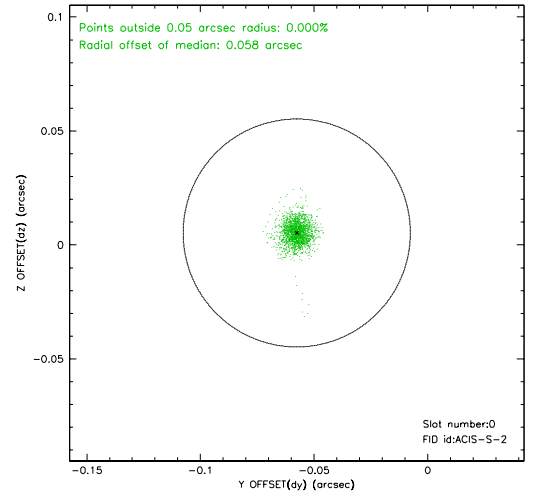
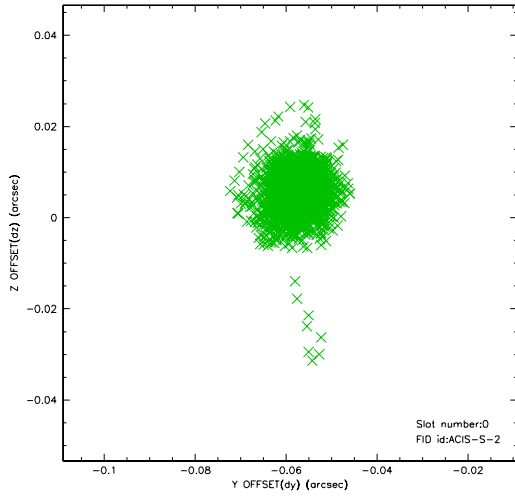


2.4.5 Slot 7

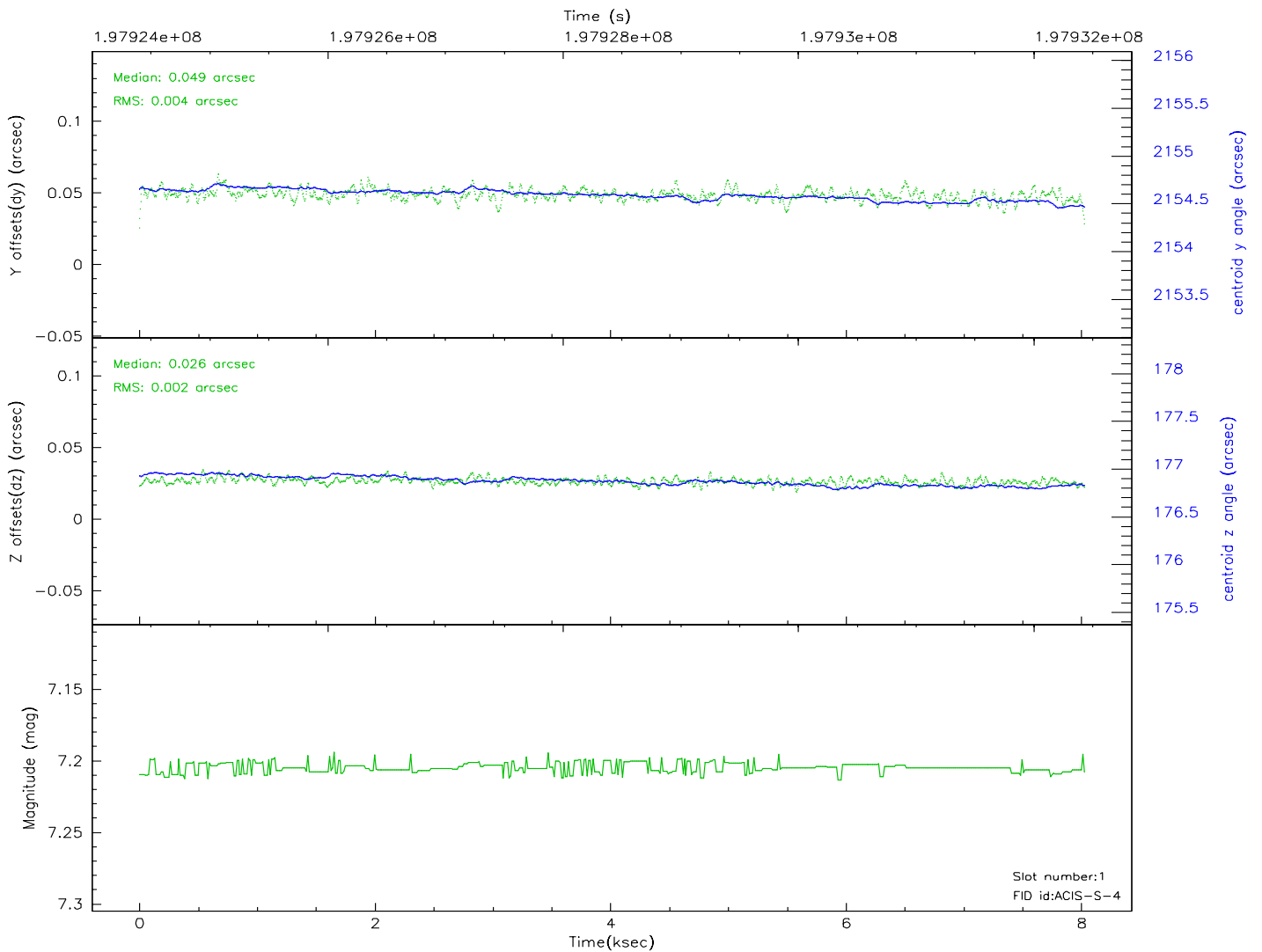
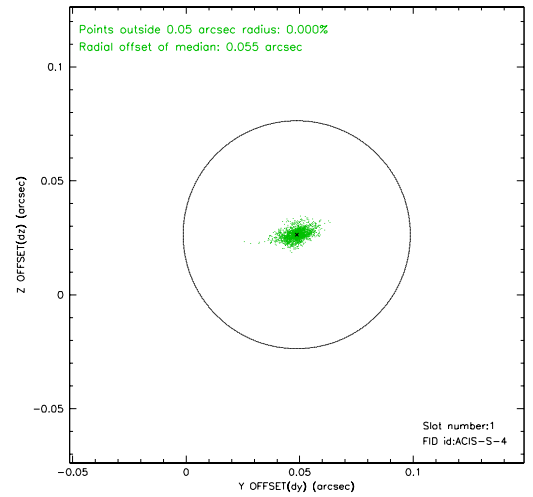
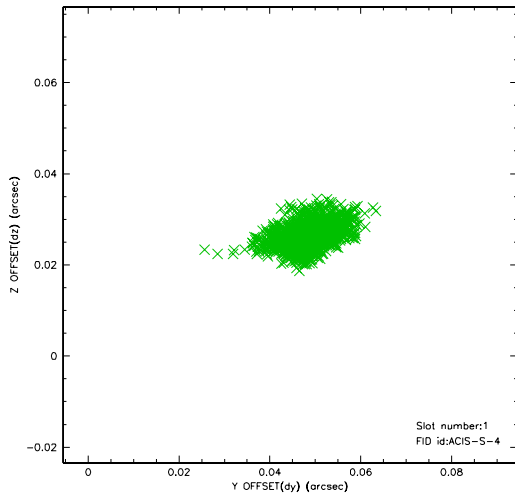


2.5 FID Slots

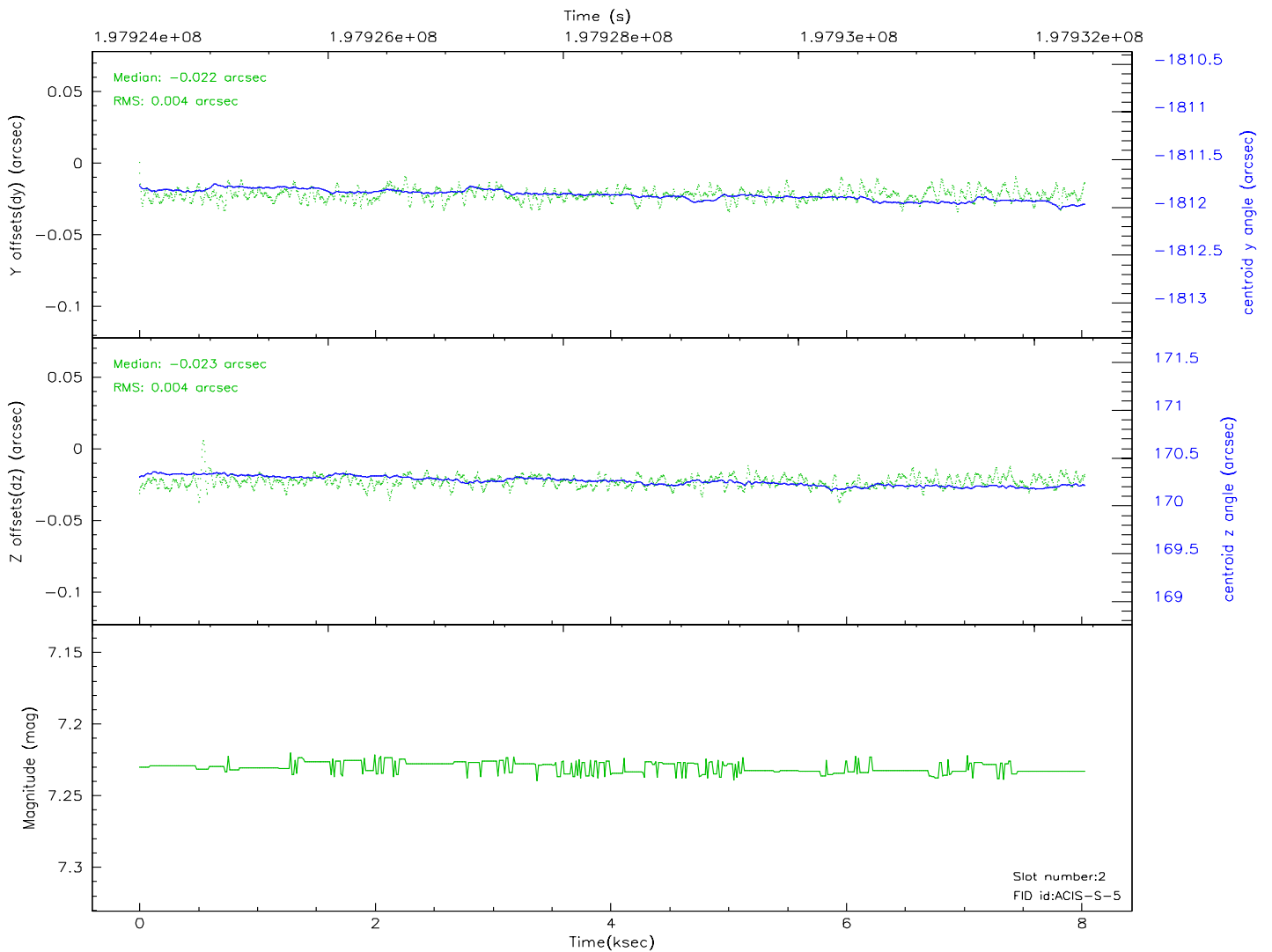
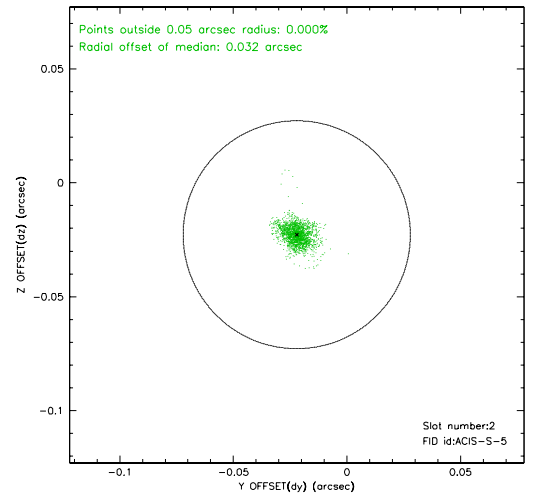
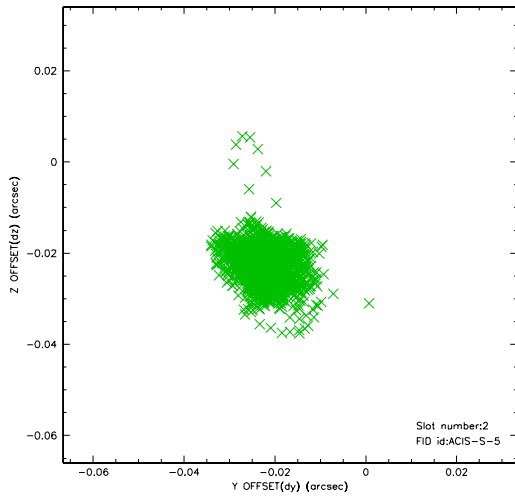
2.5.1 Slot 0



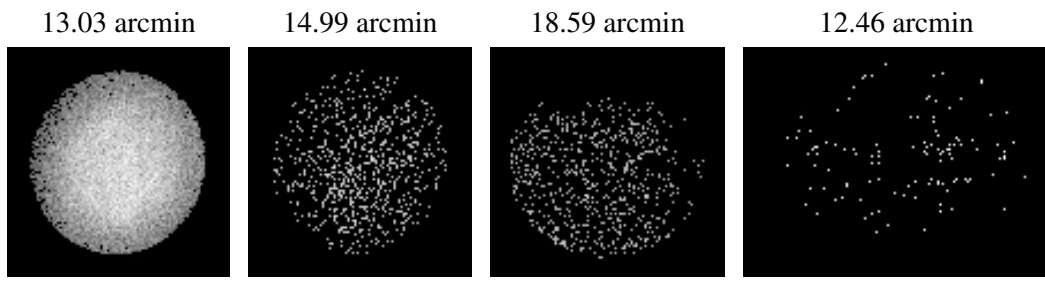
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.05.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.596

A.2 Comments

Window constraint met.