

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 1854 - L2 Version 001
Chandra X-Ray Center

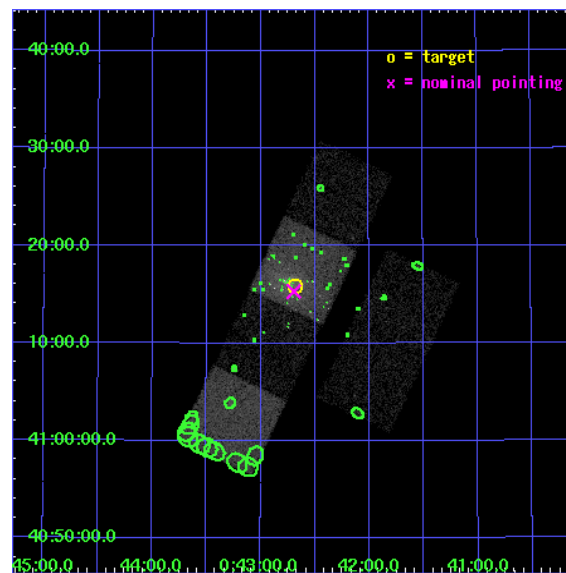
L2 Processing Date : Nov 2 2006

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1 Front

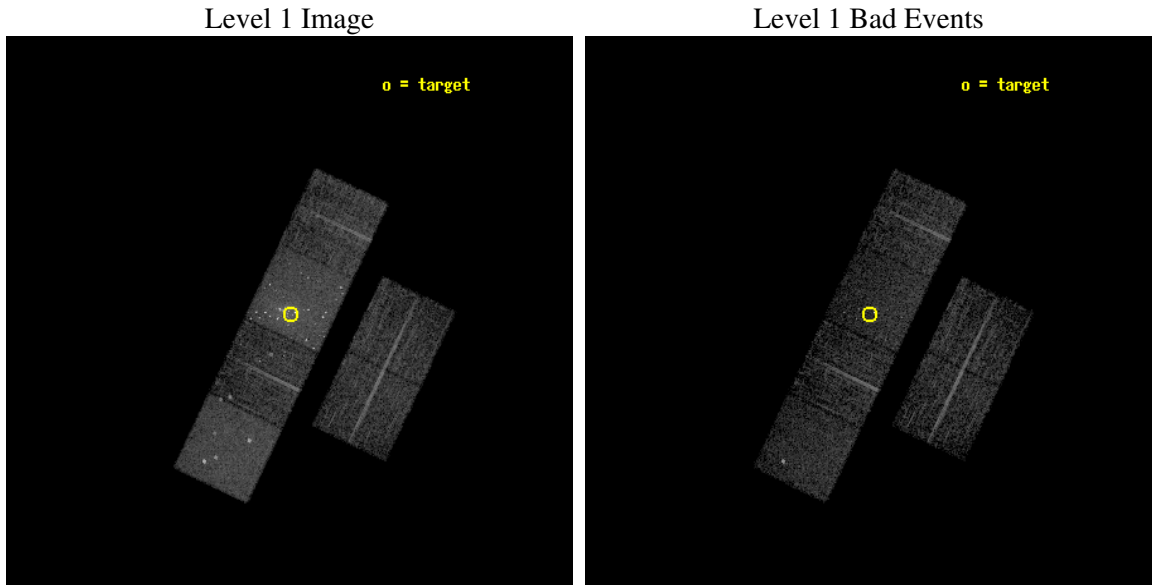
seq_num	600147
obs_id	1854
title	M31 MONITORING (FOLLOWUP)
observer	Dr. Stephen Murray
object	M31 TRANSIENT TBD
dtcycle	0
cycle	P
ra_targ	10.67
dec_targ	41.265
ra_nom	10.673487693578
dec_nom	41.255480699363
roll_nom	295.58297354524
revision	2
ontime	4755.2000044286
livetime	4694.9867987349
ontime2	4755.2000044286
ontime3	4755.2000044286
ontime5	4755.2000044286
ontime6	4755.2000044286
ontime7	4755.2000044286
ontime8	4755.2000044286
l2events	73829



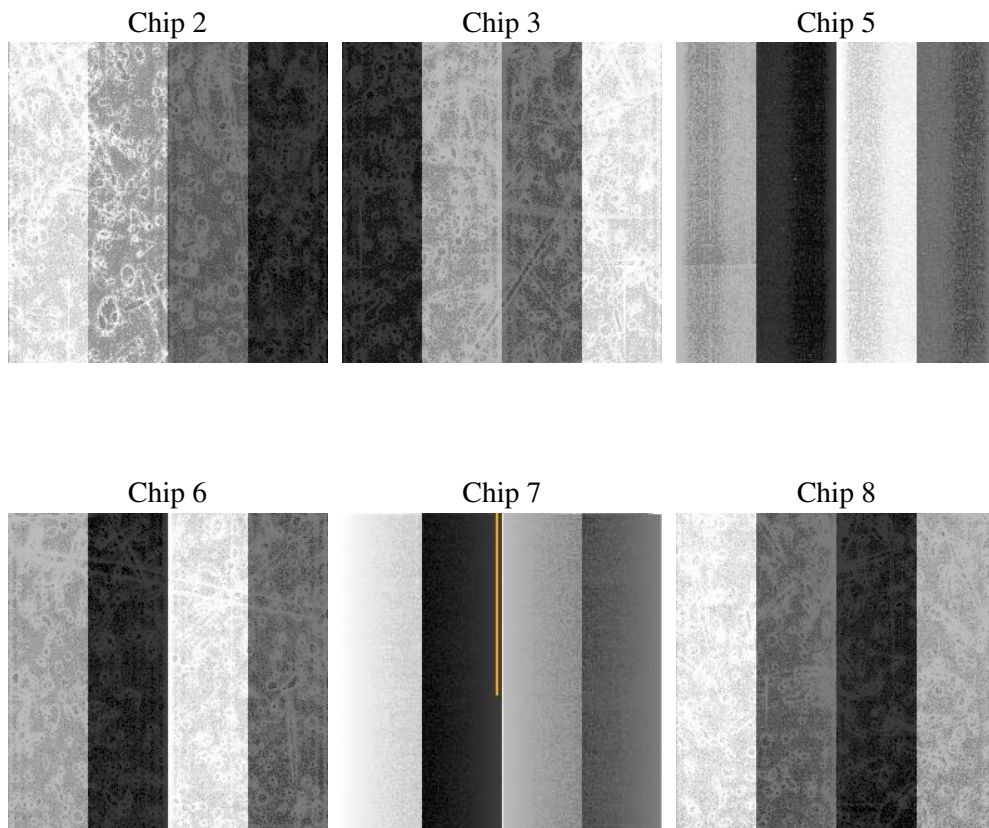
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2
ascdsver	7.6.9
caldbver	3.2.3
date	2006-11-02T19:29:55
revision	2

sched_exp_time	4800.000000
ontime	4757.7834928334
ontime2	4757.7834629118
ontime3	4757.7834629118
ontime5	4757.7834629118
ontime6	4757.7834629118
ontime7	4757.7834928334
ontime8	4757.7834629118
l1events	235633

2.1.4 Events

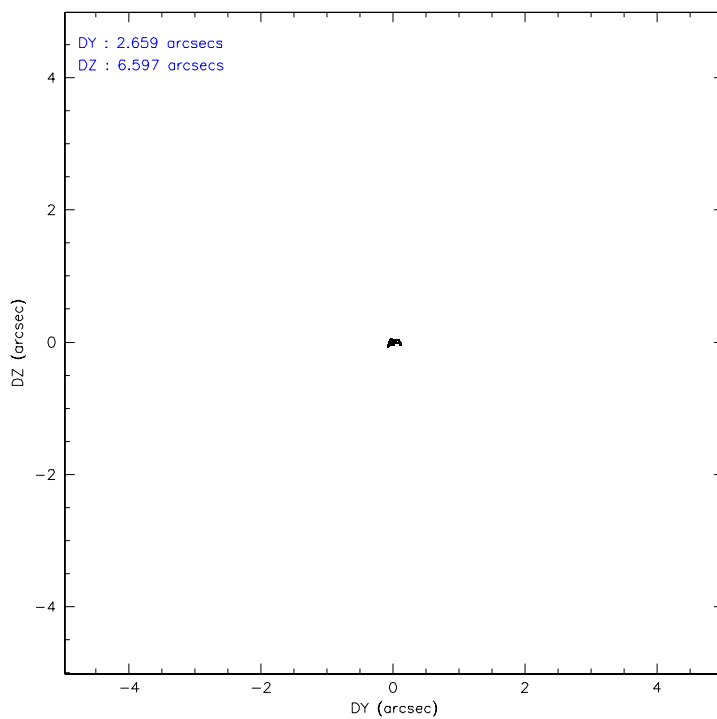
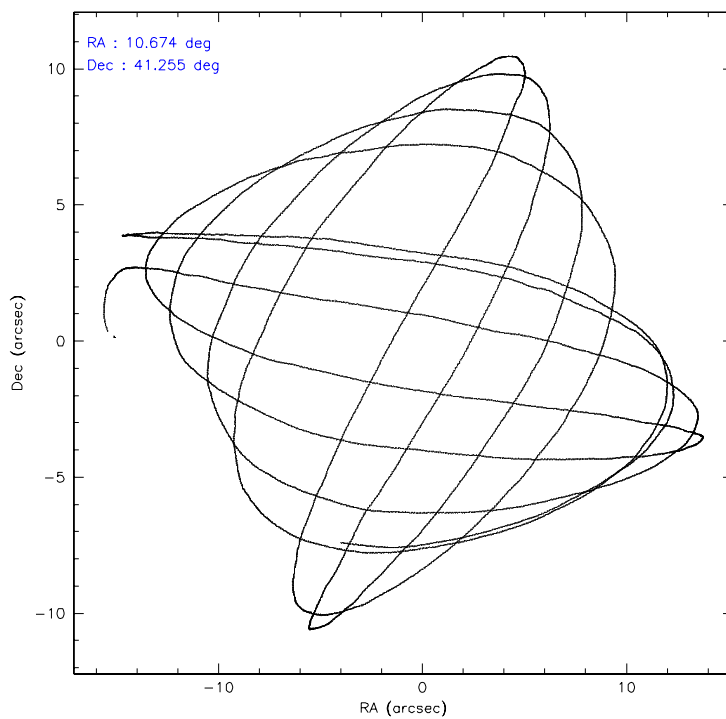
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	29796	29342	48441	30538	61849	35667
rejected events	25924	25626	23813	25083	24350	27749
rejected %	87%	87%	49%	82%	39%	77%

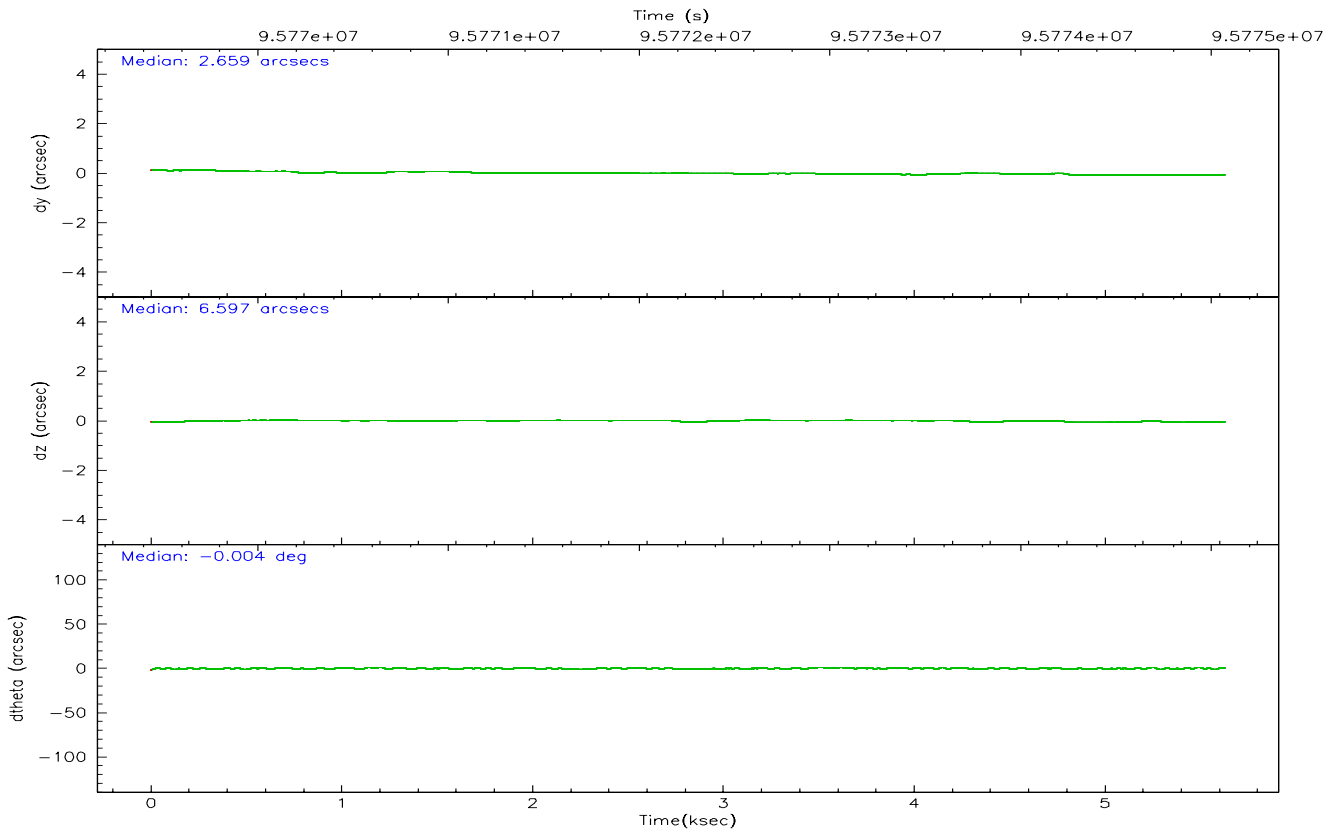
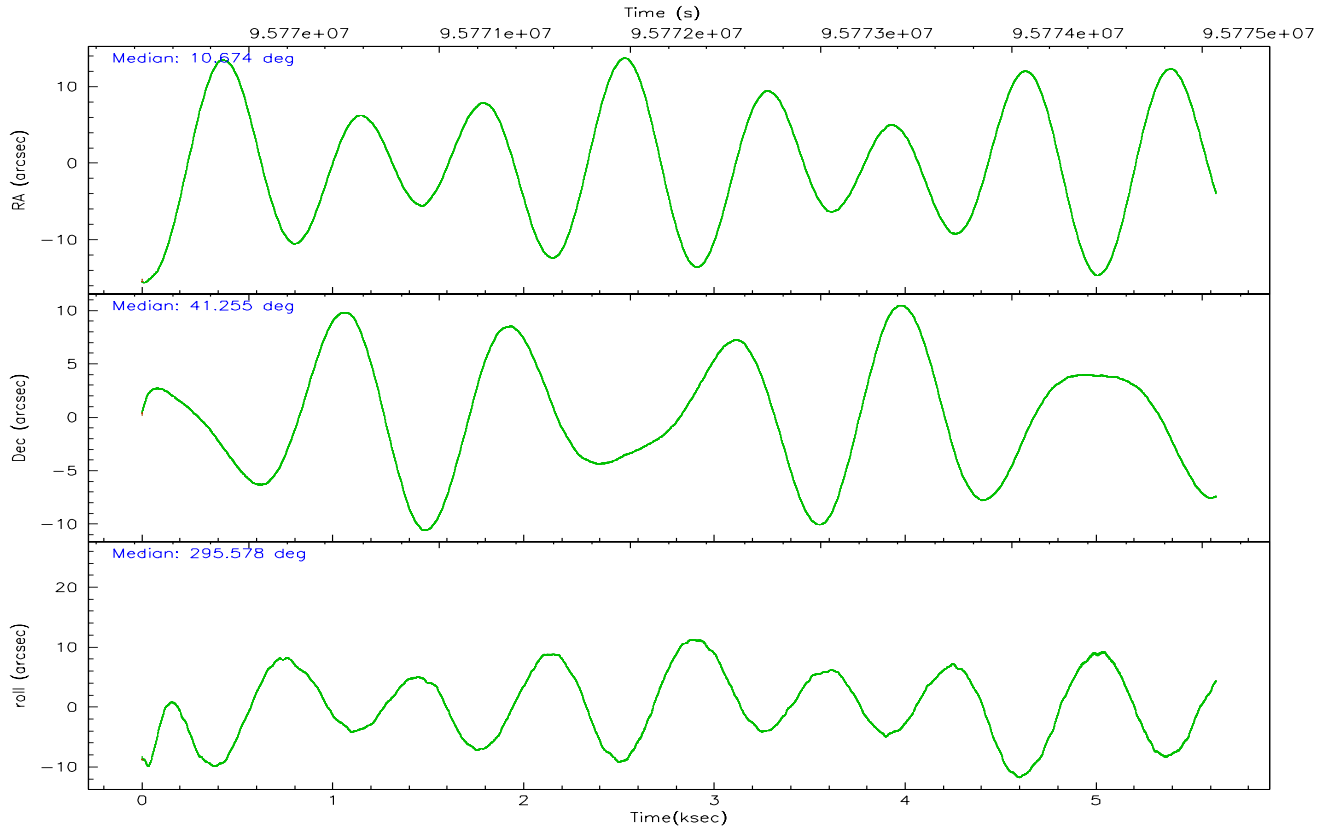
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1835	1718	3412	3139	6496	2918
	6%	5%	7%	10%	10%	8%
grade 1 events	17	13	55	24	93	20
	0%	0%	0%	0%	0%	0%
grade 2 events	758	716	7692	900	9586	1550
	2%	2%	15%	2%	15%	4%
grade 3 events	349	332	692	350	3170	821
	1%	1%	1%	1%	5%	2%
grade 4 events	321	318	599	370	3096	784
	1%	1%	1%	1%	5%	2%
grade 5 events	1039	1156	2146	1273	2875	1532
	3%	3%	4%	4%	4%	4%
grade 6 events	610	632	12285	702	15200	1847
	2%	2%	25%	2%	24%	5%
grade 7 events	24867	24457	21560	23780	21333	26195
	83%	83%	44%	77%	34%	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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	10.643267	10.6734876935784	Subarray requested	NONE	NONE
Pointing Dec	41.270767	41.25548069936257	Alternating exposures requested	N	N
Pointing Roll	295.446282	295.5829735452426	Primary exposure time	3.200000	3.2
Window start time	95299264.184000	95299264.184000			
Window stop time	95904064.184000	95904064.184000			
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	95770270.184000	95768993.342481			
Observation start date	2001-01-13T10:50:06	2001-01-13T10:29:53			
Observation end time	95775070.184000	95775796.26774199			
Observation end date	2001-01-13T12:10:06	2001-01-13T12:23:16			
Read mode	TIMED	TIMED			

2.3 Aspect



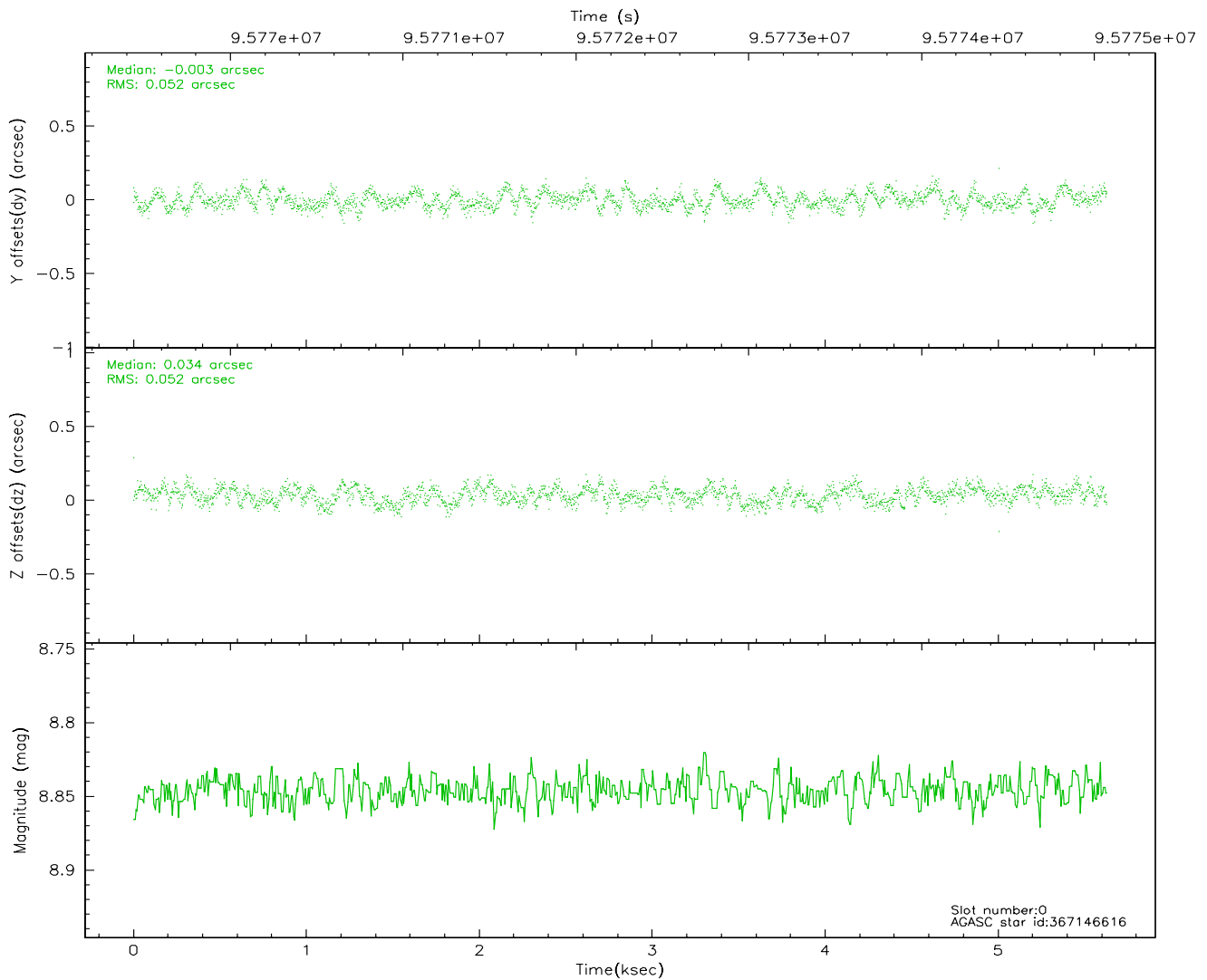
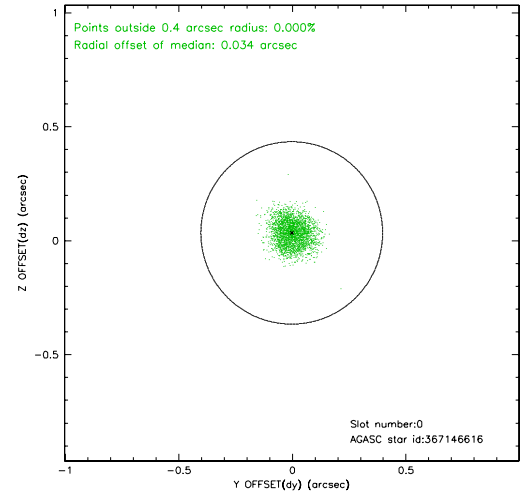
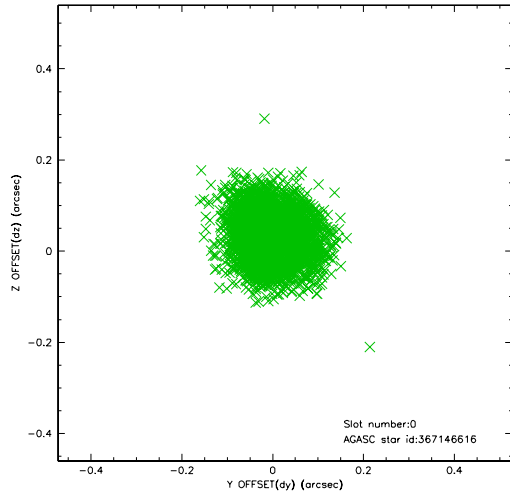


Slot Statistics

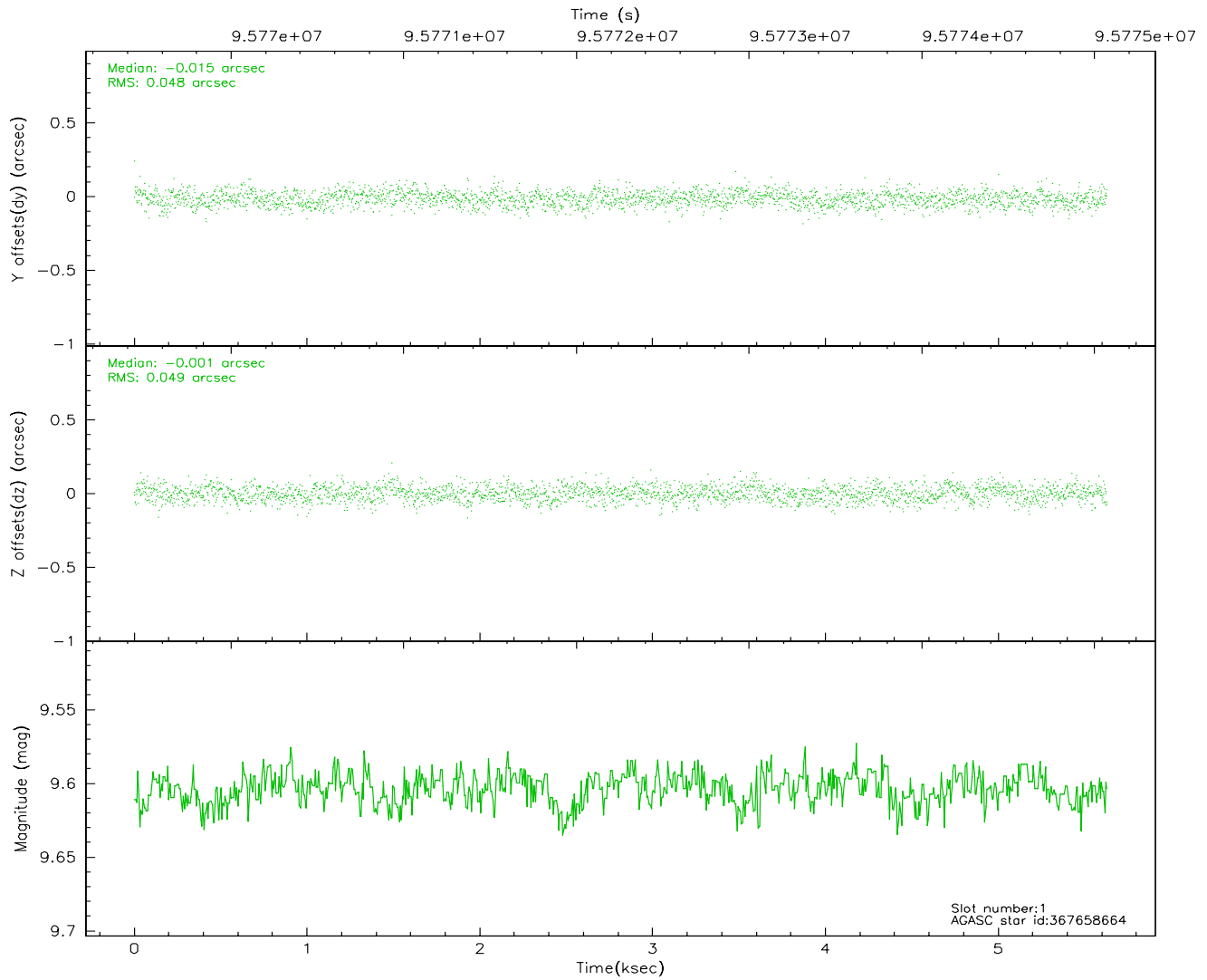
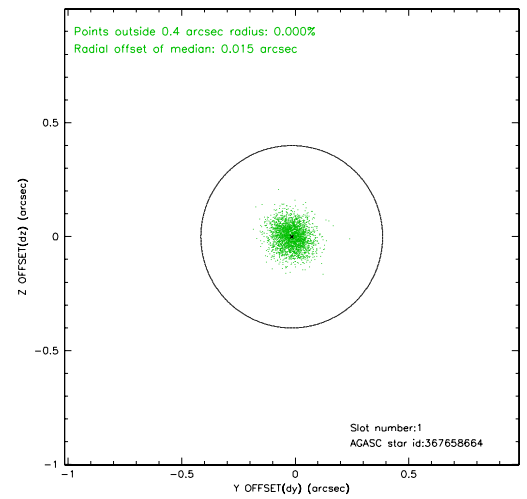
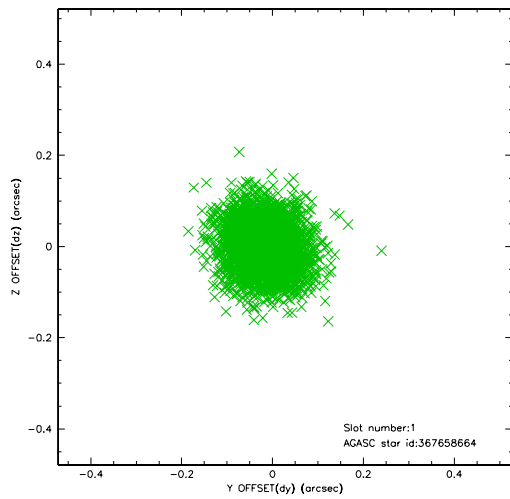
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	GUIDE	367146616	8.85	2747	-0.003	0.034	0.080	0.123	11.418645	41.190163	1154.83	1775.26
1	GUIDE	367658664	9.60	2741	-0.015	-0.001	0.073	0.121	10.374070	41.369746	-635.97	-503.56
2	GUIDE	367665472	9.48	2747	-0.053	0.024	0.073	0.125	10.241611	41.730843	-1962.93	-263.03
3	FID	ACIS-S-2	7.11	1374	-0.003	0.042	0.007	0.012	0.000000	0.000000	-755.29	-1727.71
4	FID	ACIS-S-4	7.20	1374	-0.083	-0.010	0.006	0.010	0.000000	0.000000	2157.42	179.64
5	FID	ACIS-S-5	7.23	1374	0.055	-0.023	0.006	0.010	0.000000	0.000000	-1806.71	174.49
6	GUIDE	367148872	7.22	2747	0.115	-0.076	0.064	0.122	10.505940	40.688258	1730.66	-1240.51
7	GUIDE	367674552	8.85	2745	-0.034	0.021	0.063	0.100	11.016238	41.570845	-546.49	1370.68

2.4 Star Slots

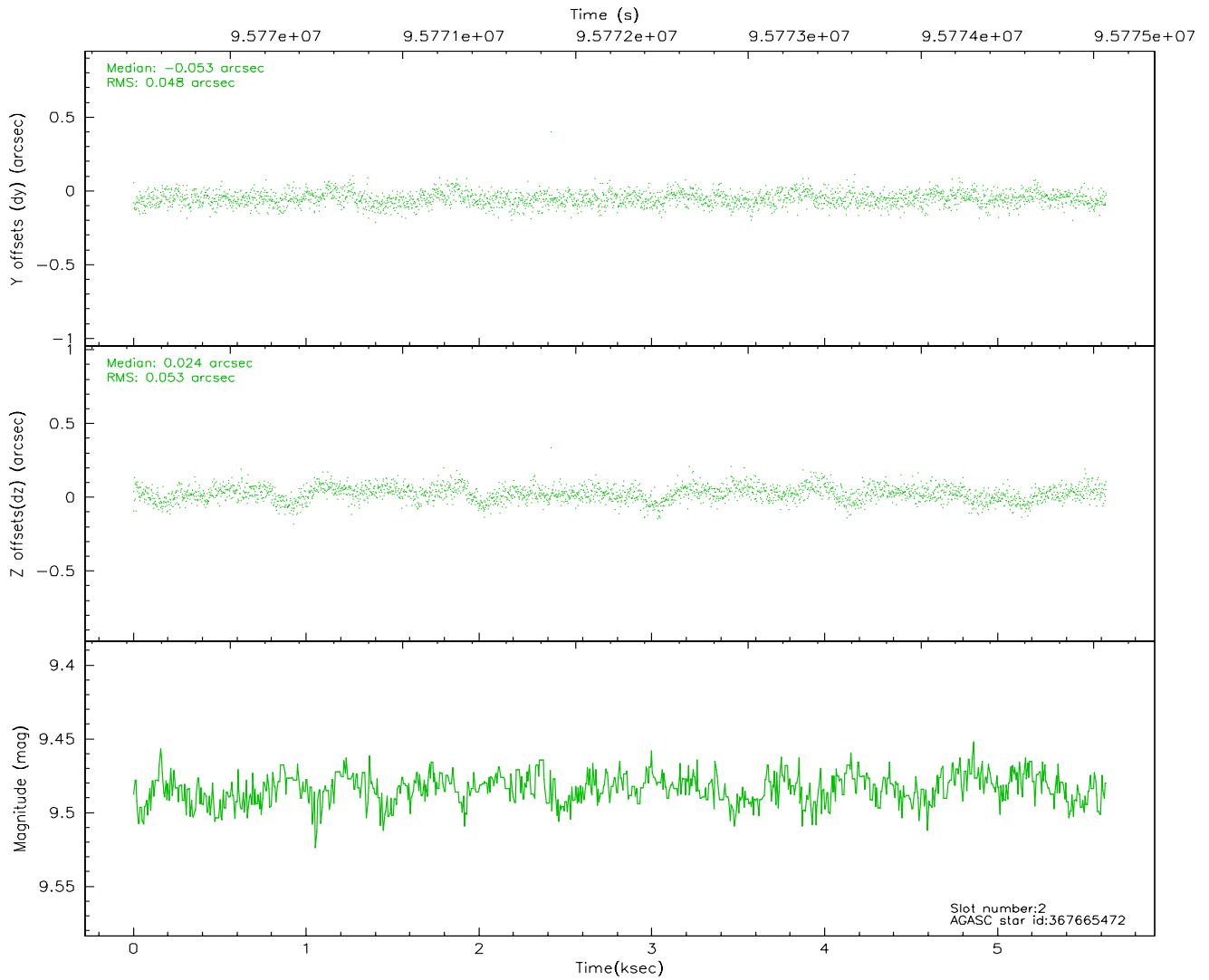
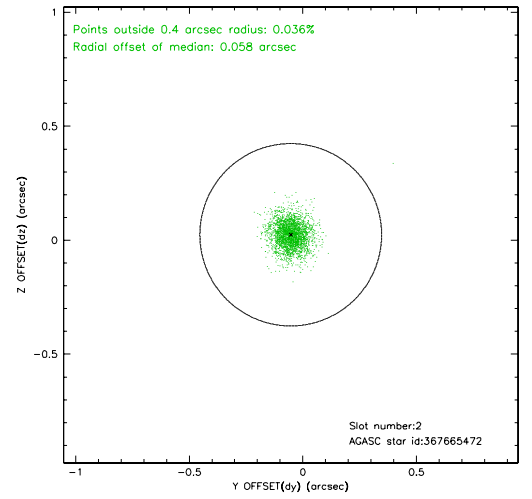
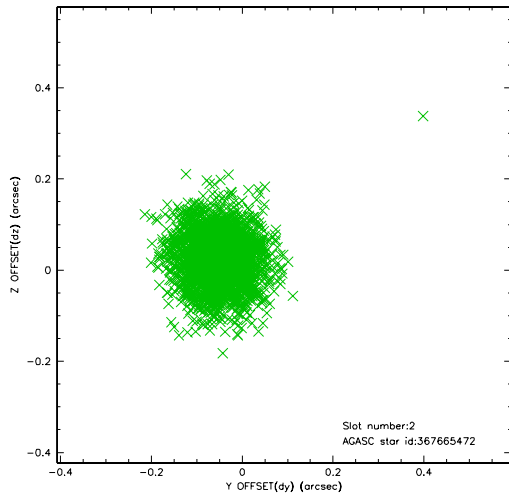
2.4.1 Slot 0



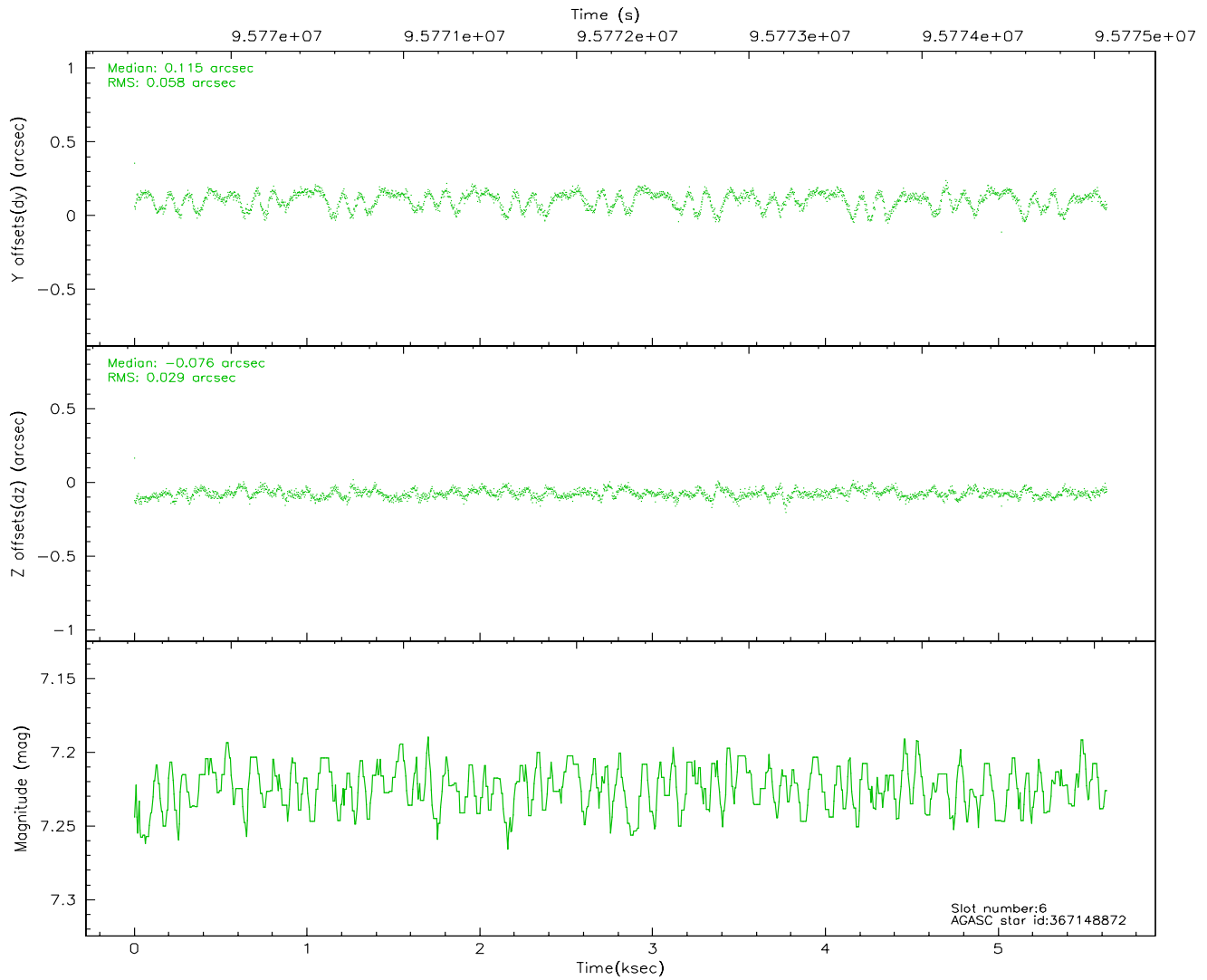
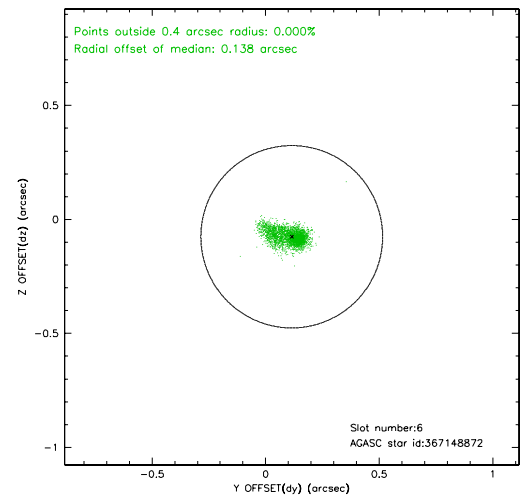
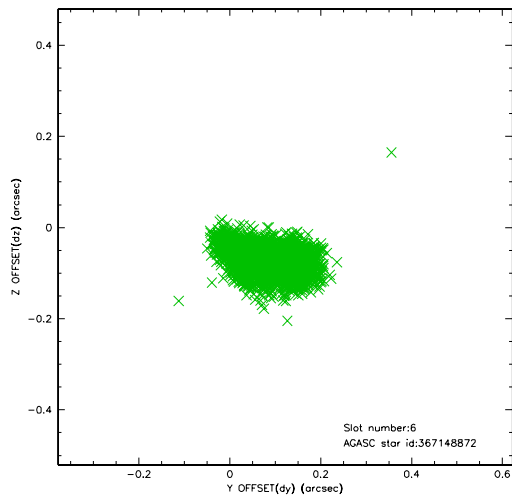
2.4.2 Slot 1



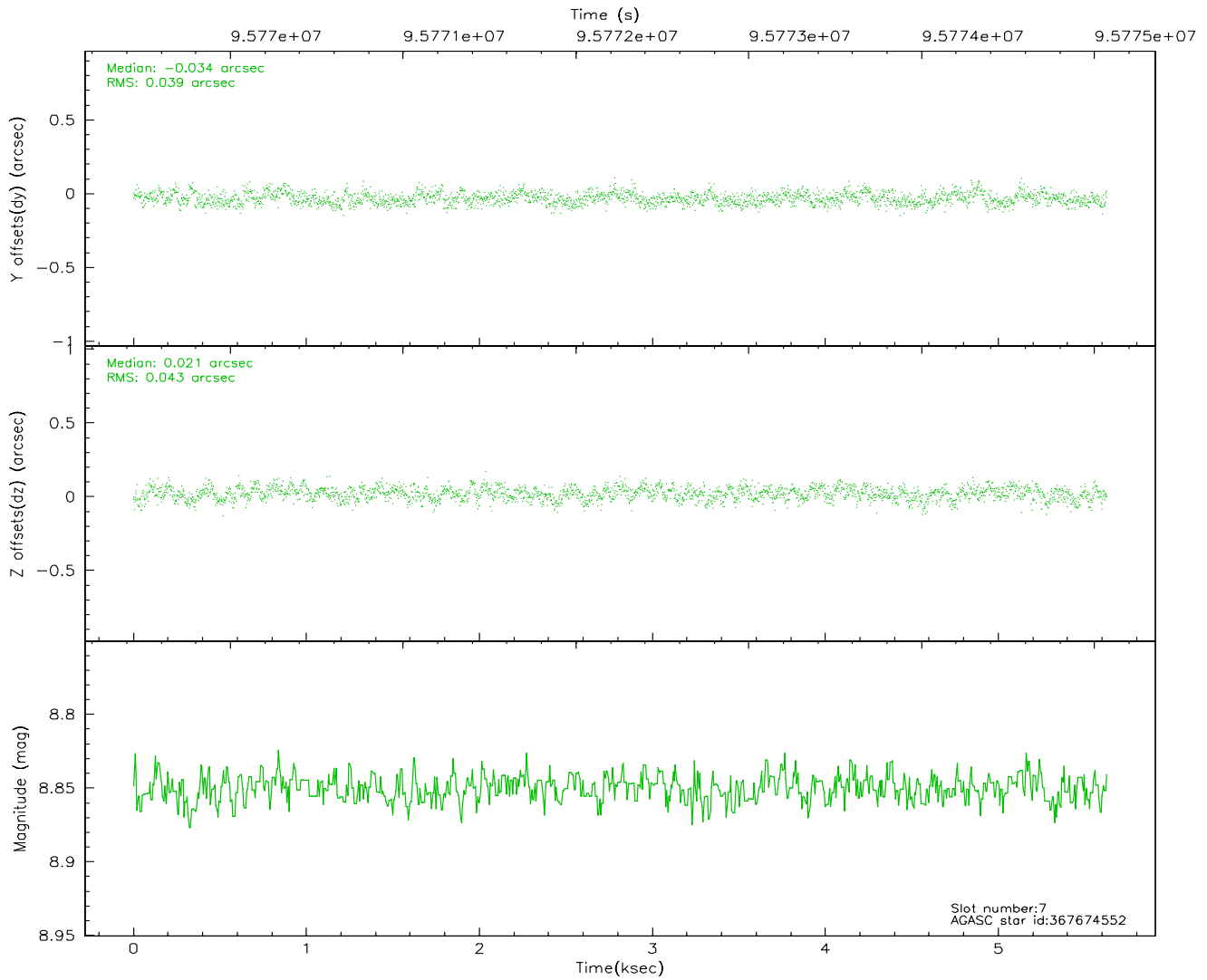
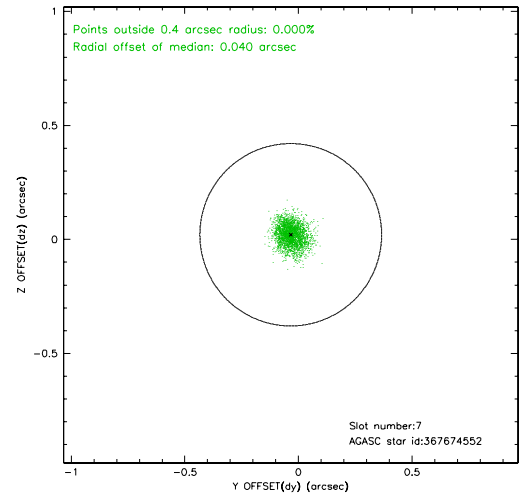
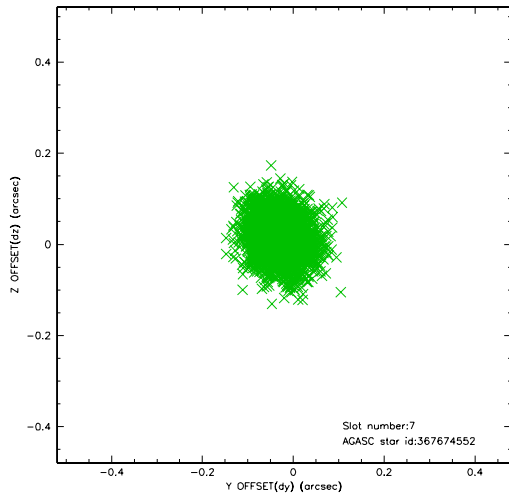
2.4.3 Slot 2



2.4.4 Slot 6

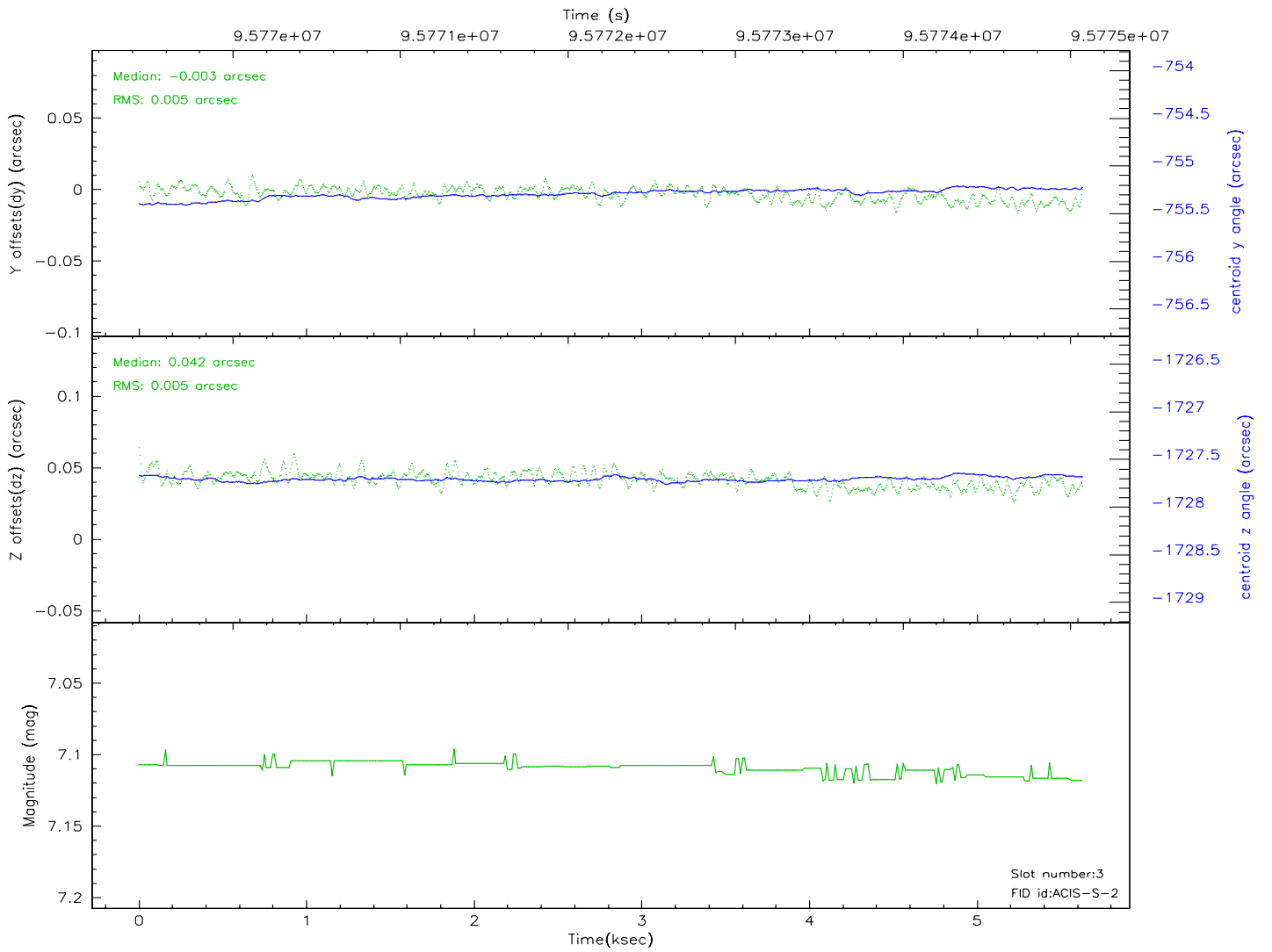
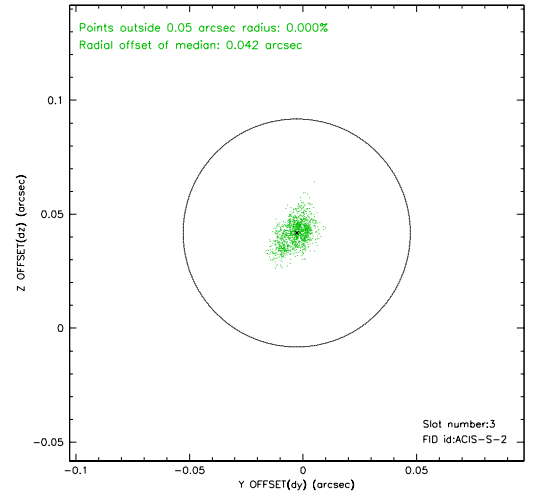
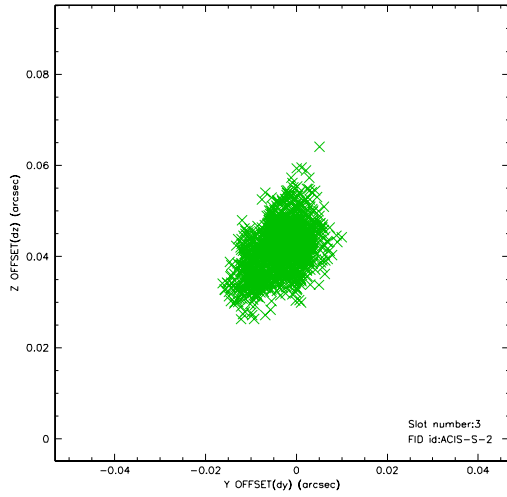


2.4.5 Slot 7

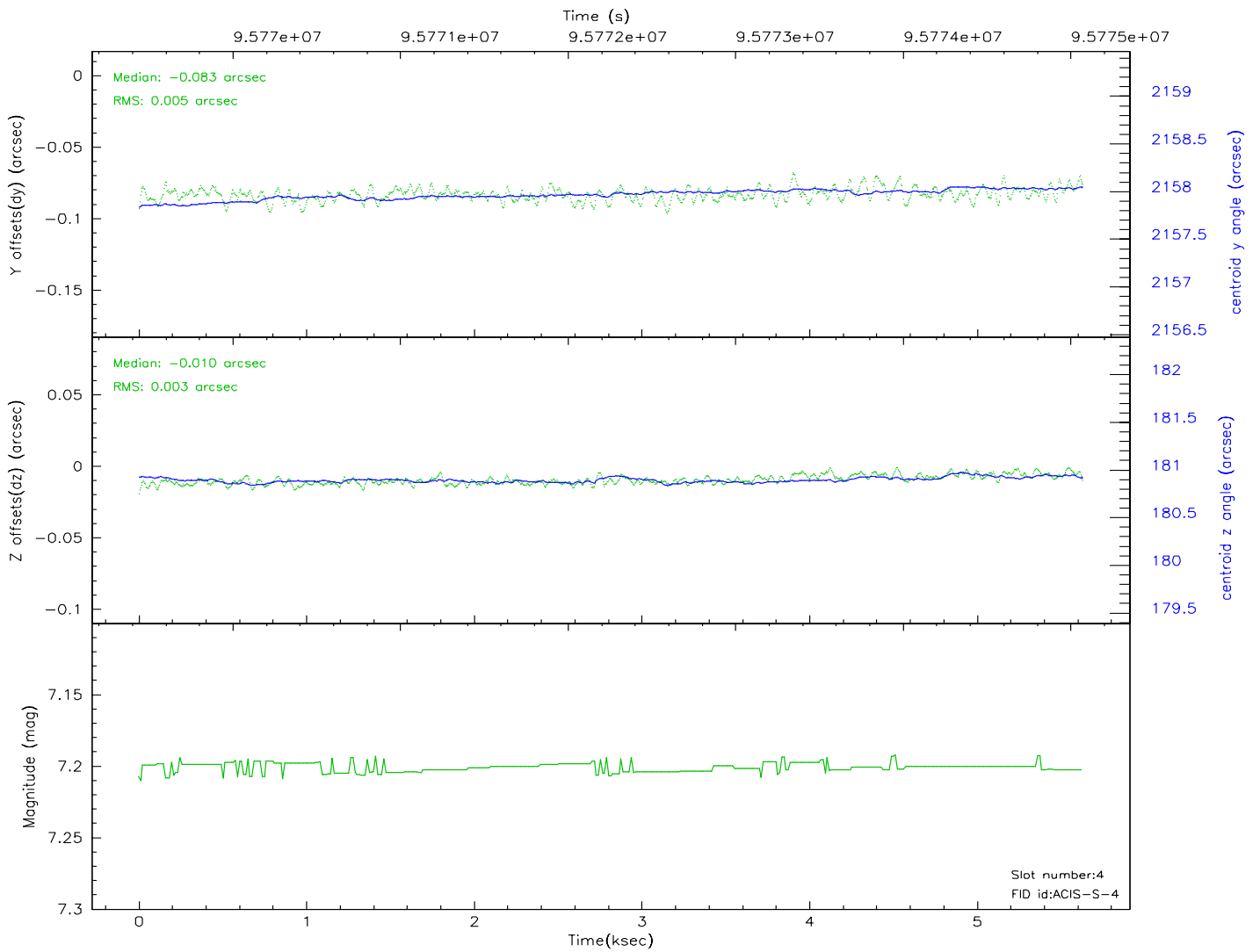
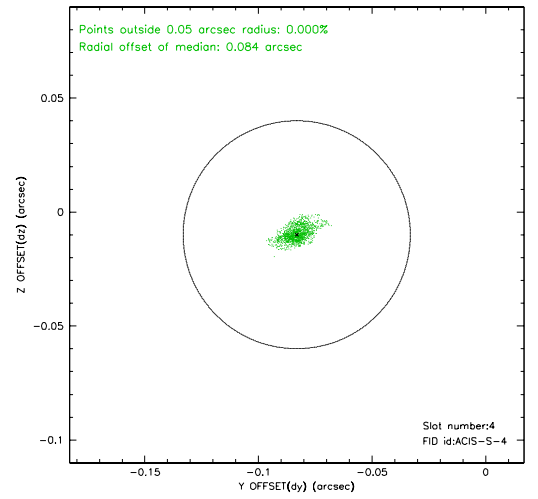
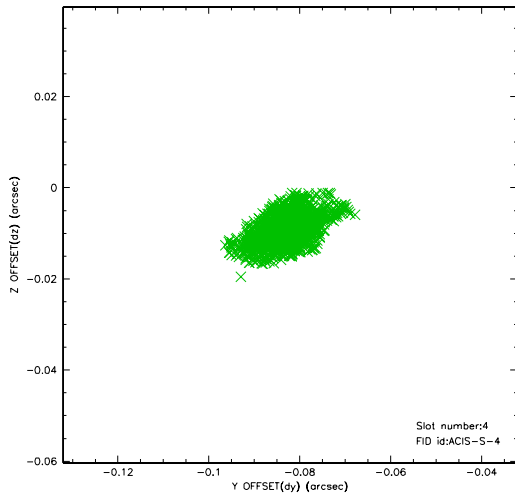


2.5 FID Slots

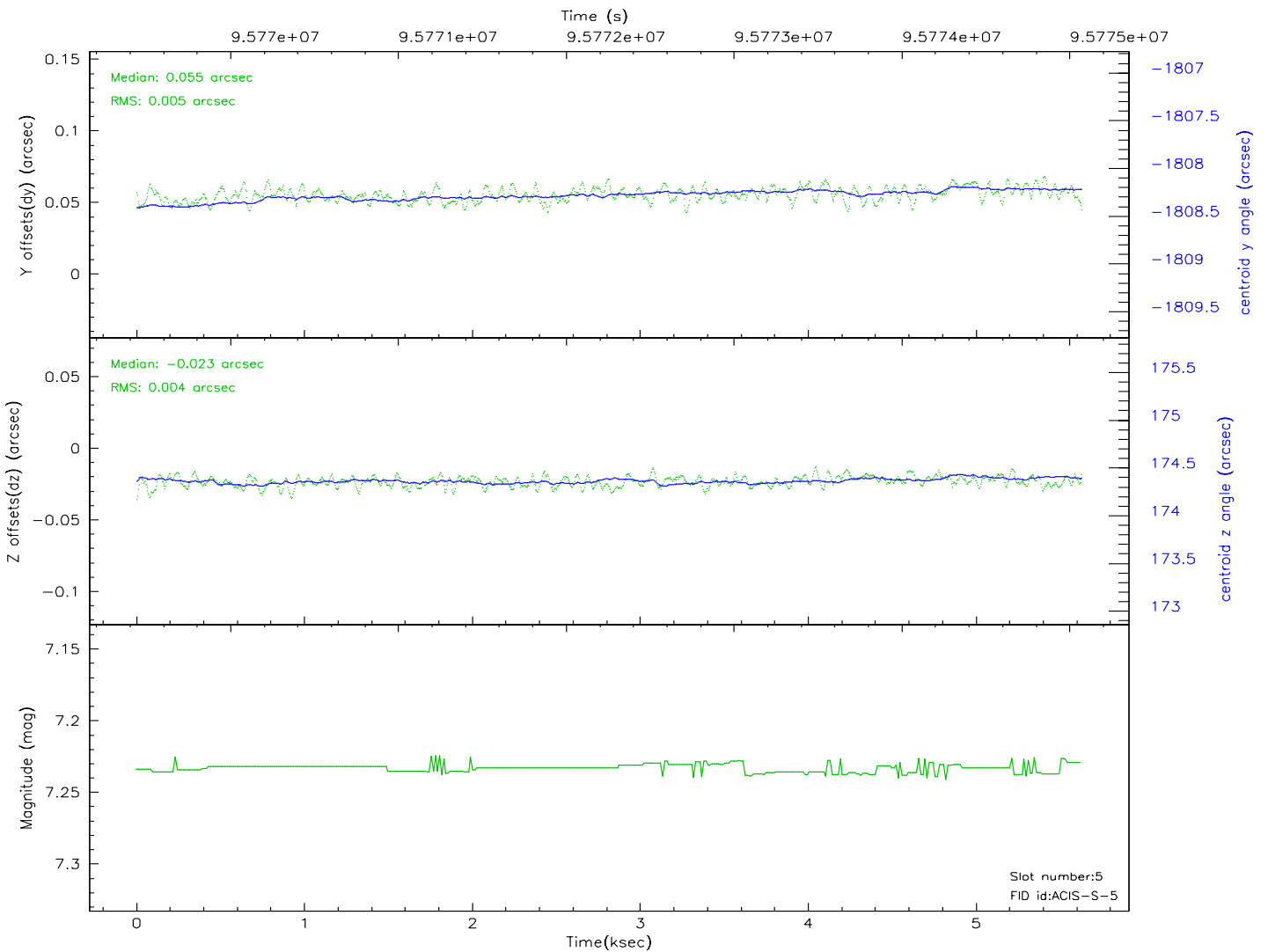
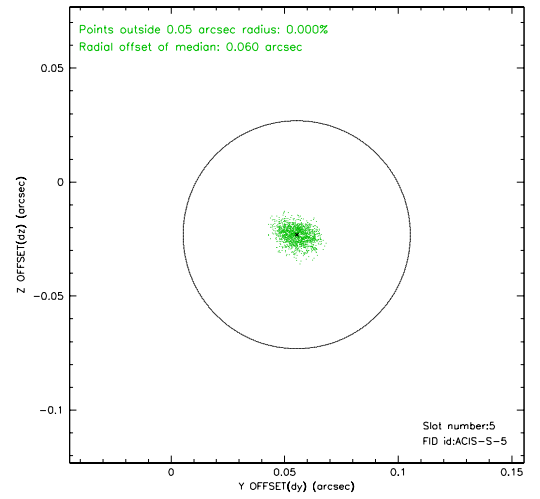
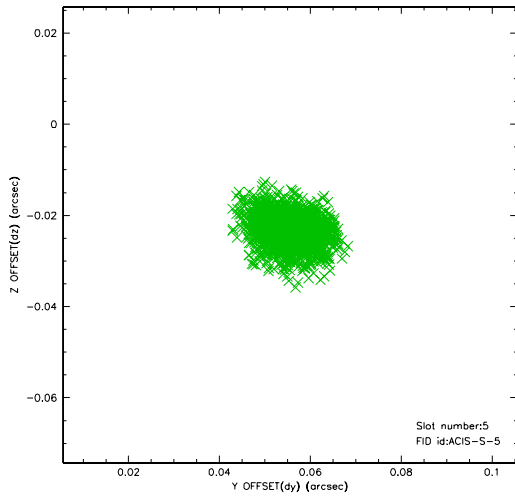
2.5.1 Slot 3



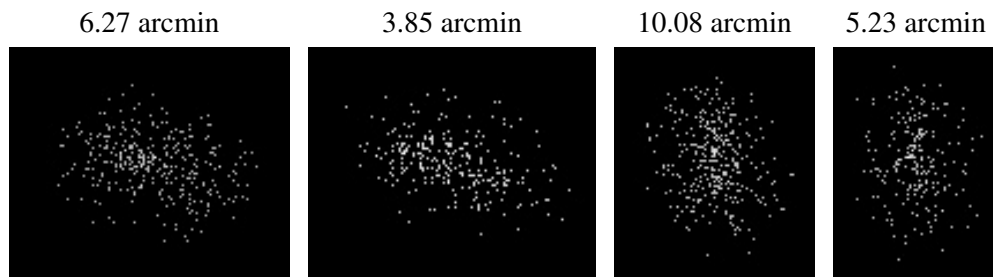
2.5.2 Slot 4



2.5.3 Slot 5



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.11.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.755

A.2 Comments

Window constraint met.