

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 3668 - L2 Version 001
Chandra X-Ray Center

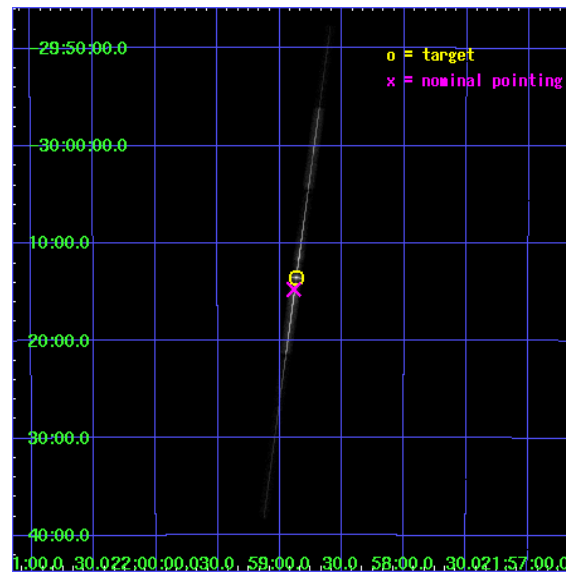
L2 Processing Date : Sep 19 2006

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1 Front

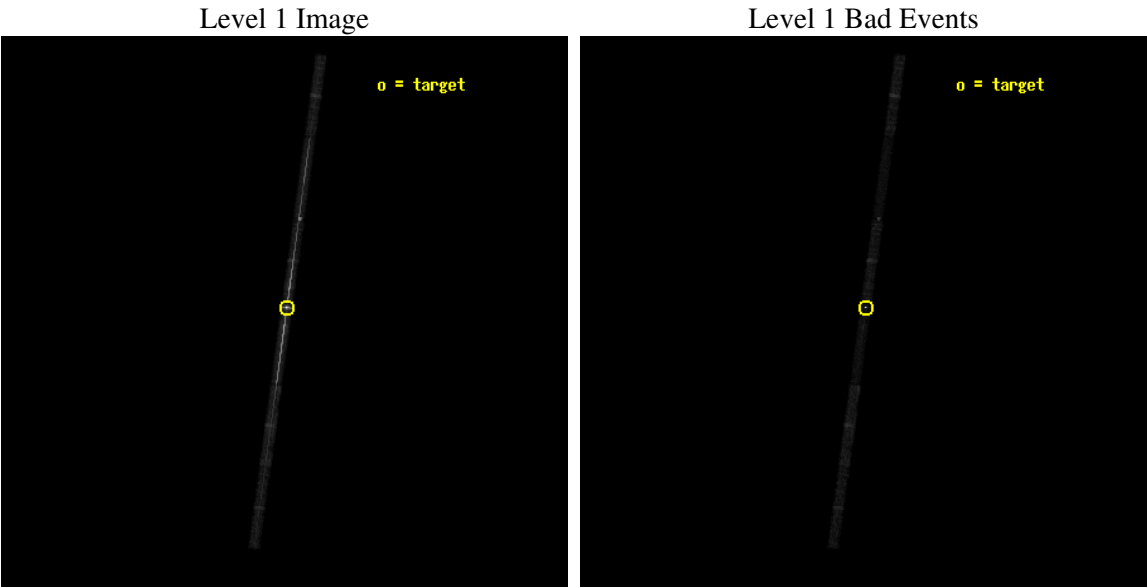
seq_num	790080
obs_id	3668
title	INVESTIGATING THE CONTAMINATION BUILD-UP ON ACIS
observer	Dr. CXC Calibration
object	PKS2155-304
dtcycle	0
cycle	P
ra_targ	329.716667
dec_targ	-30.225556
ra_nom	329.72181973129
dec_nom	-30.24606789916
roll_nom	97.85538107024
revision	3
ontime	14264.558717042
livetime	13474.564263642
ontime4	14264.558717042
ontime5	14264.558717042
ontime6	14264.558717042
ontime7	14264.558717042
ontime8	14264.558717042
ontime9	14264.558717042
l2events	177865



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 4

Chip 5

Chip 6



Chip 7

Chip 8

Chip 9



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-09-19T10:03:22
revision	3

sched_exp_time	14500.000000
ontime	14265.596303433
ontime4	14265.596303433
ontime5	14265.596303433
ontime6	14265.596303433
ontime7	14265.596303433
ontime8	14265.596303433
ontime9	14265.596303433
l1events	287657

2.1.4 Events

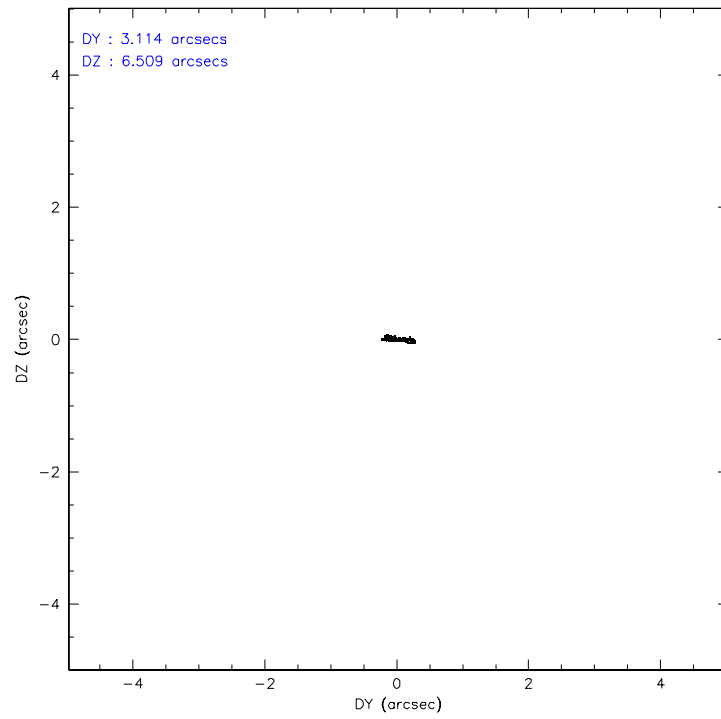
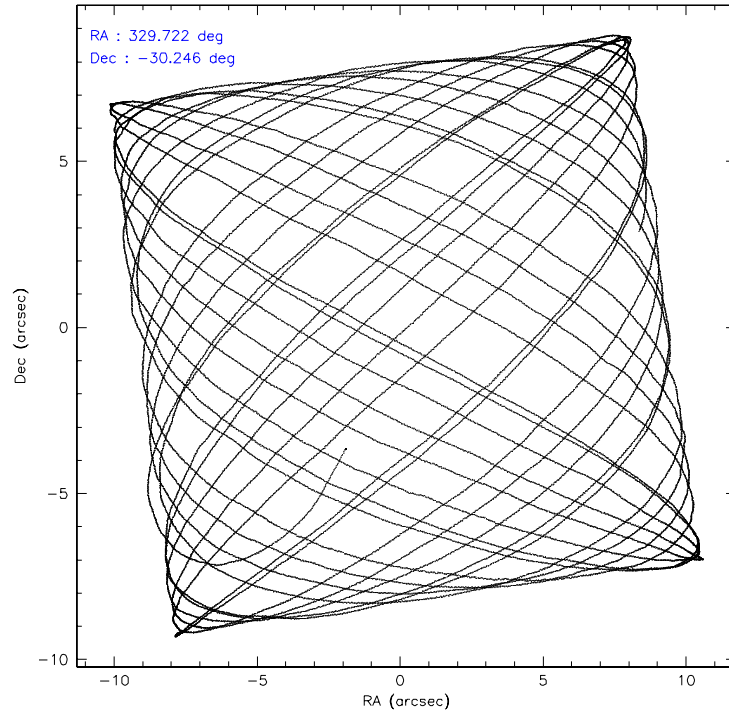
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	19445	37825	61948	126056	25955	16428
rejected events	16079	9560	14280	27662	17528	13055
rejected %	82%	25%	23%	21%	67%	79%

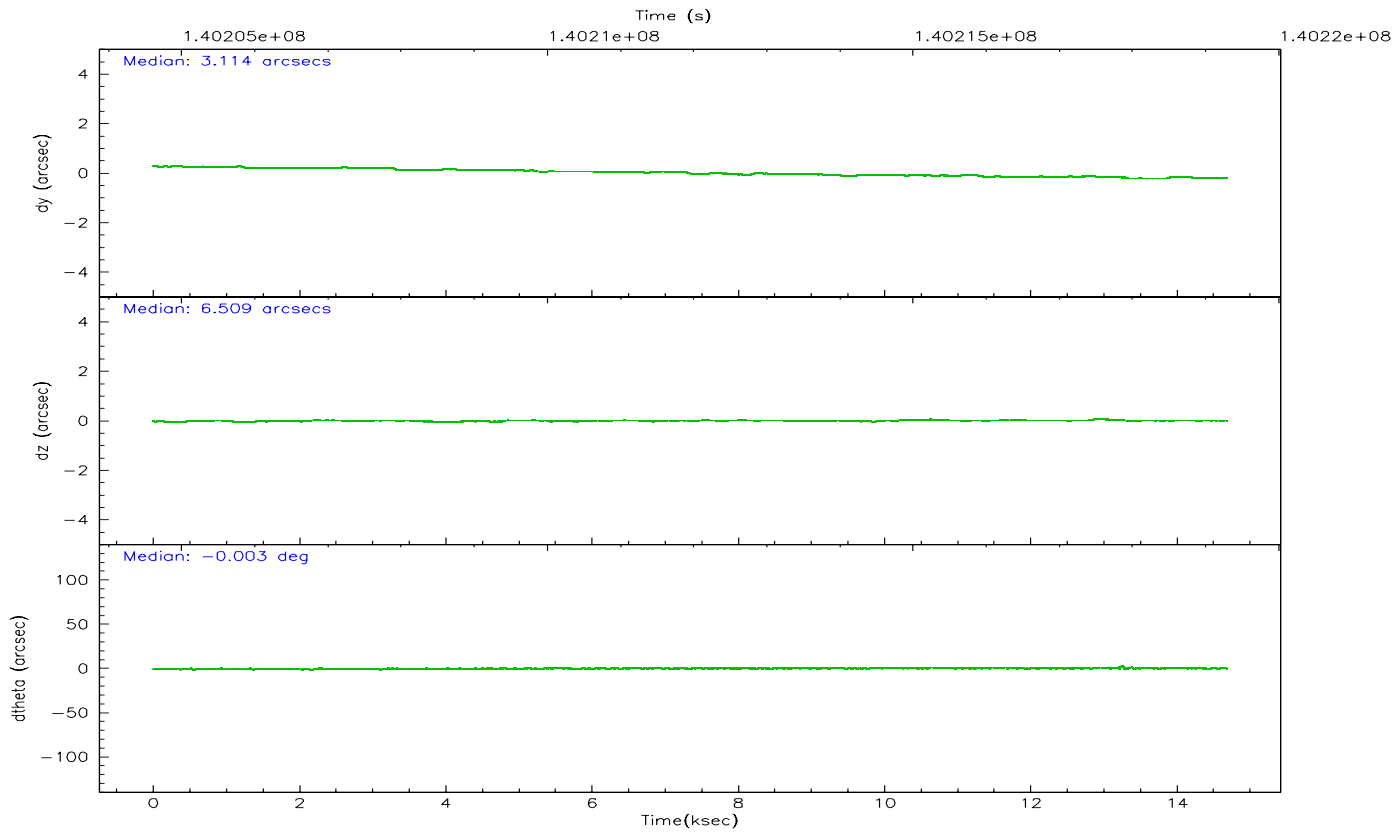
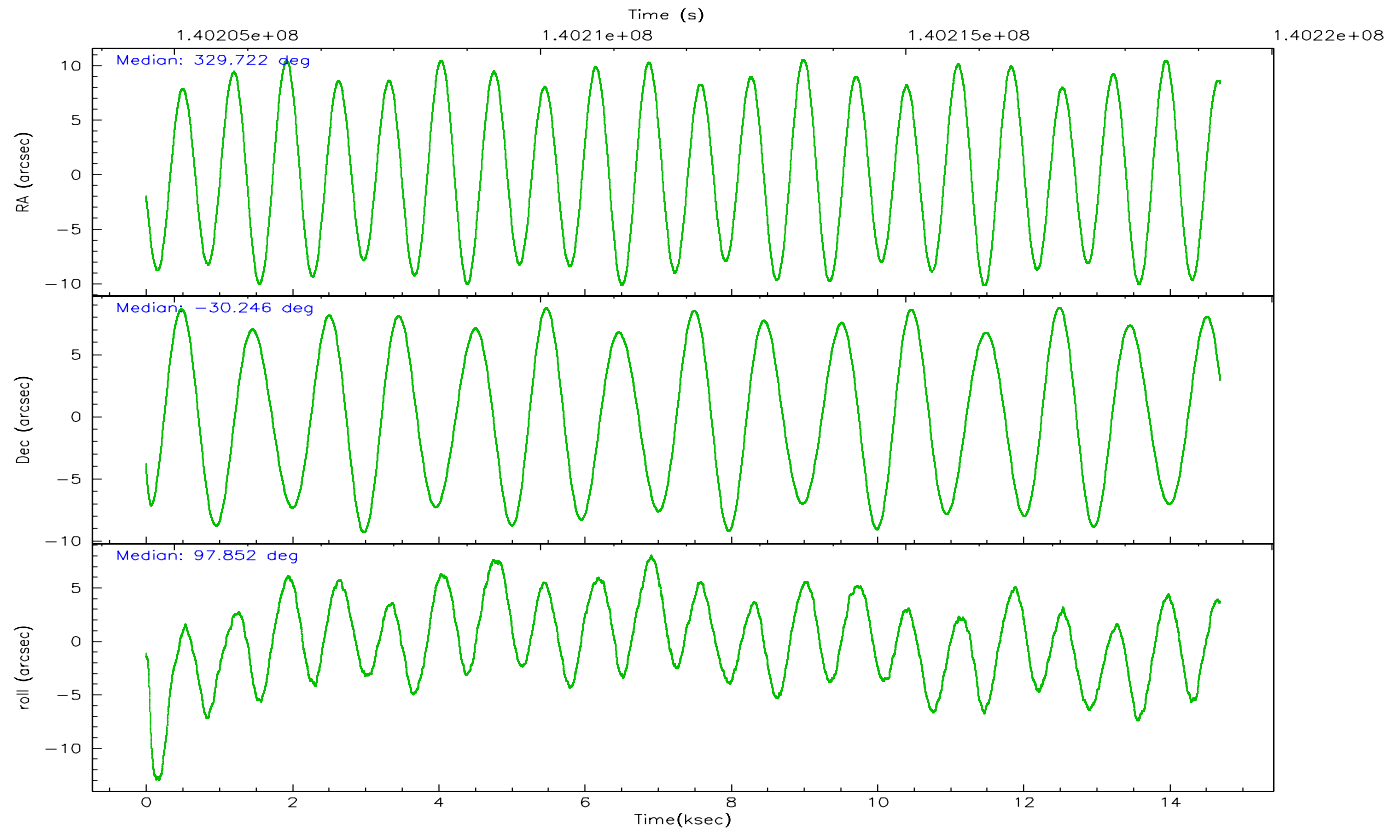
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	1931	13811	38761	26646	5105	2084
	9%	36%	62%	21%	19%	12%
grade 1 events	6	319	111	653	8	3
	0%	0%	0%	0%	0%	0%
grade 2 events	516	5213	4609	24907	995	419
	2%	13%	7%	19%	3%	2%
grade 3 events	338	1837	1543	10859	577	308
	1%	4%	2%	8%	2%	1%
grade 4 events	309	2146	1597	10876	591	280
	1%	5%	2%	8%	2%	1%
grade 5 events	448	1377	594	4281	648	475
	2%	3%	0%	3%	2%	2%
grade 6 events	272	5259	1163	25111	1159	282
	1%	13%	1%	19%	4%	1%
grade 7 events	15625	7863	13570	22723	16872	12577
	80%	20%	21%	18%	65%	76%

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	LETG	LETG	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	329.741517	329.7218197312926	Subarray requested	CUSTOM	1/8
Pointing Dec	-30.267395	-30.24606789915986	Subarray start row	113	113
Pointing Roll	97.708672	97.85538107023963	Subarray row count	128	128
Window start time	140054464.184000	140054464.184000	Alternating exposures requested	N	N
Window stop time	143683264.184000	143683264.184000	Primary exposure time	0.000000	0.7
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-182.132523	-182.1370004450064			
SIM translation stage offset (mm)	-8	-7.995522138001405			
Observation start time	140204795.184000	140204224.6908			
Observation start date	2002-06-11T17:45:31	2002-06-11T17:37:04			
Observation end time	140219295.184000	140219519.22893			
Observation end date	2002-06-11T21:47:11	2002-06-11T21:51:59			
Read mode	TIMED	TIMED			

2.3 Aspect



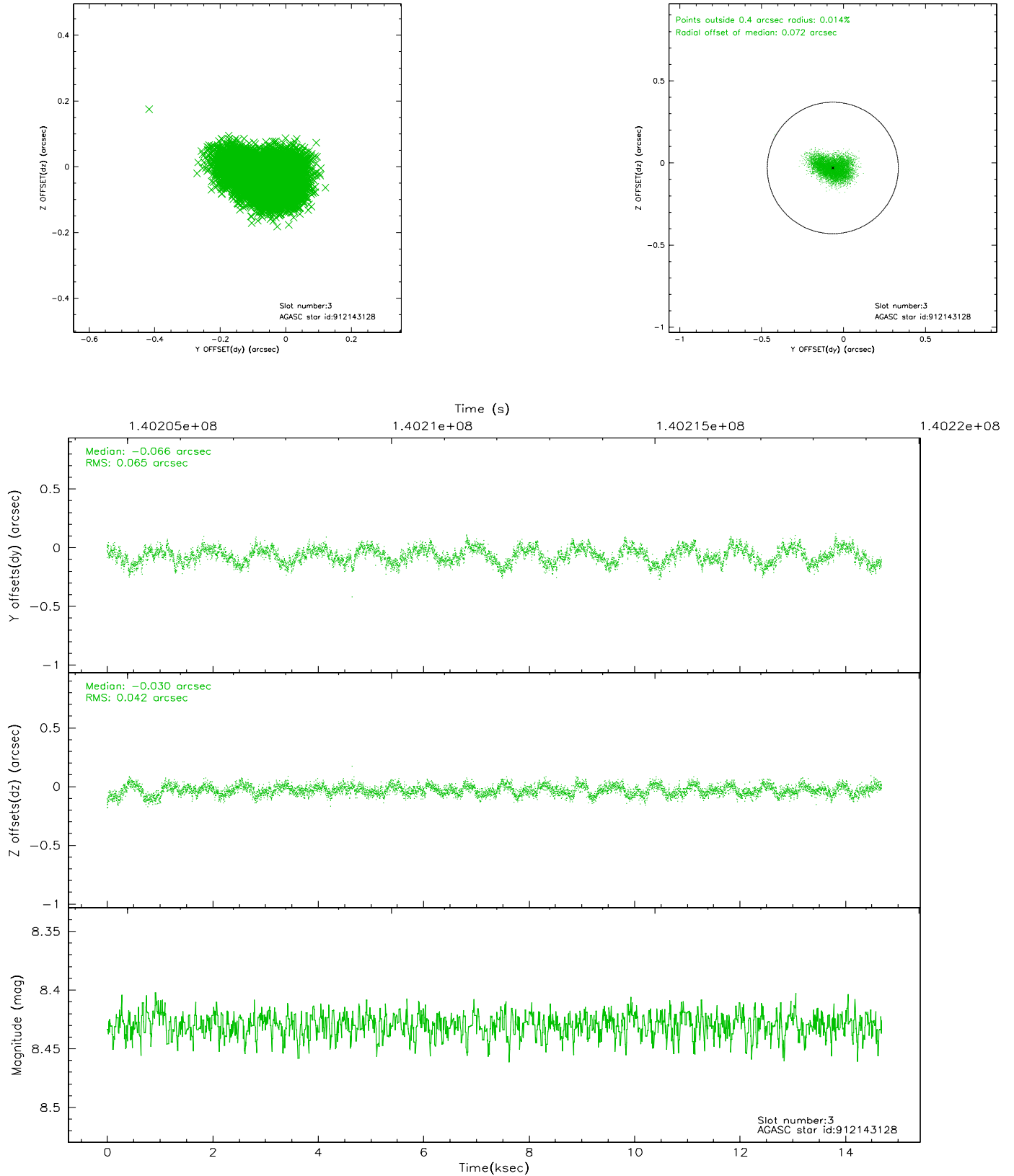


Slot Statistics

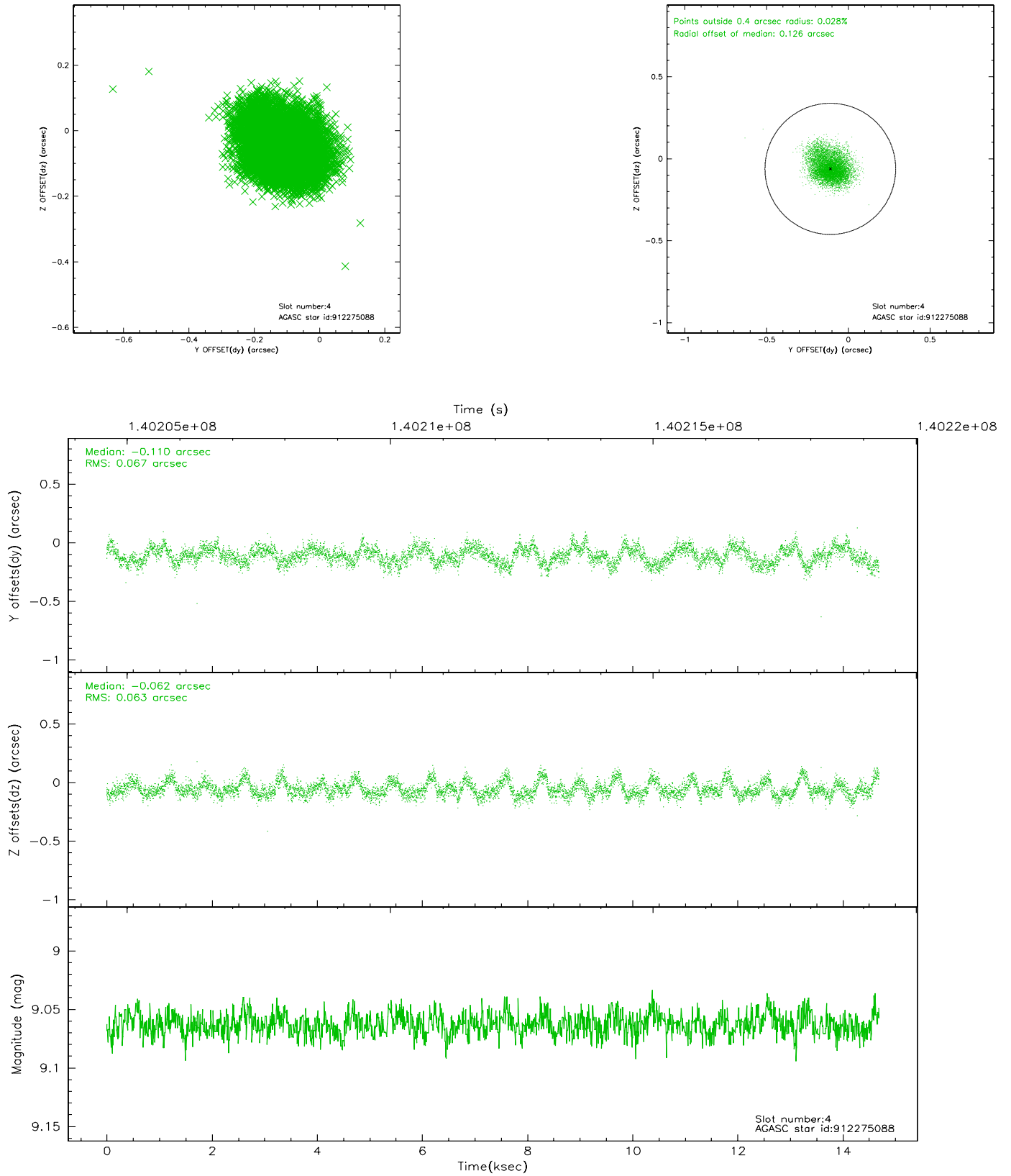
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	3582	-0.027	-0.084	0.007	0.011	0.000000	0.000000	-755.25	-1892.45
1	FID	ACIS-S-4	7.18	3582	0.009	0.036	0.005	0.009	0.000000	0.000000	2157.94	15.74
2	FID	ACIS-S-5	7.23	3583	-0.012	0.056	0.007	0.010	0.000000	0.000000	-1807.66	9.83
3	GUIDE	912143128	8.43	7167	-0.066	-0.030	0.083	0.131	328.924992	-29.706140	2334.94	2260.09
4	GUIDE	912275088	9.06	7162	-0.110	-0.062	0.098	0.160	329.619228	-29.738698	1937.20	123.57
5	GUIDE	981478152	9.40	7162	0.030	-0.096	0.132	0.201	329.415589	-30.057192	884.75	904.70
6	GUIDE	981468128	9.33	7146	0.207	0.251	0.189	0.263	329.756350	-30.158334	382.97	-98.43
7	GUIDE	981469488	9.57	7160	-0.048	-0.063	0.155	0.246	329.261199	-30.045155	990.22	1376.02

2.4 Star Slots

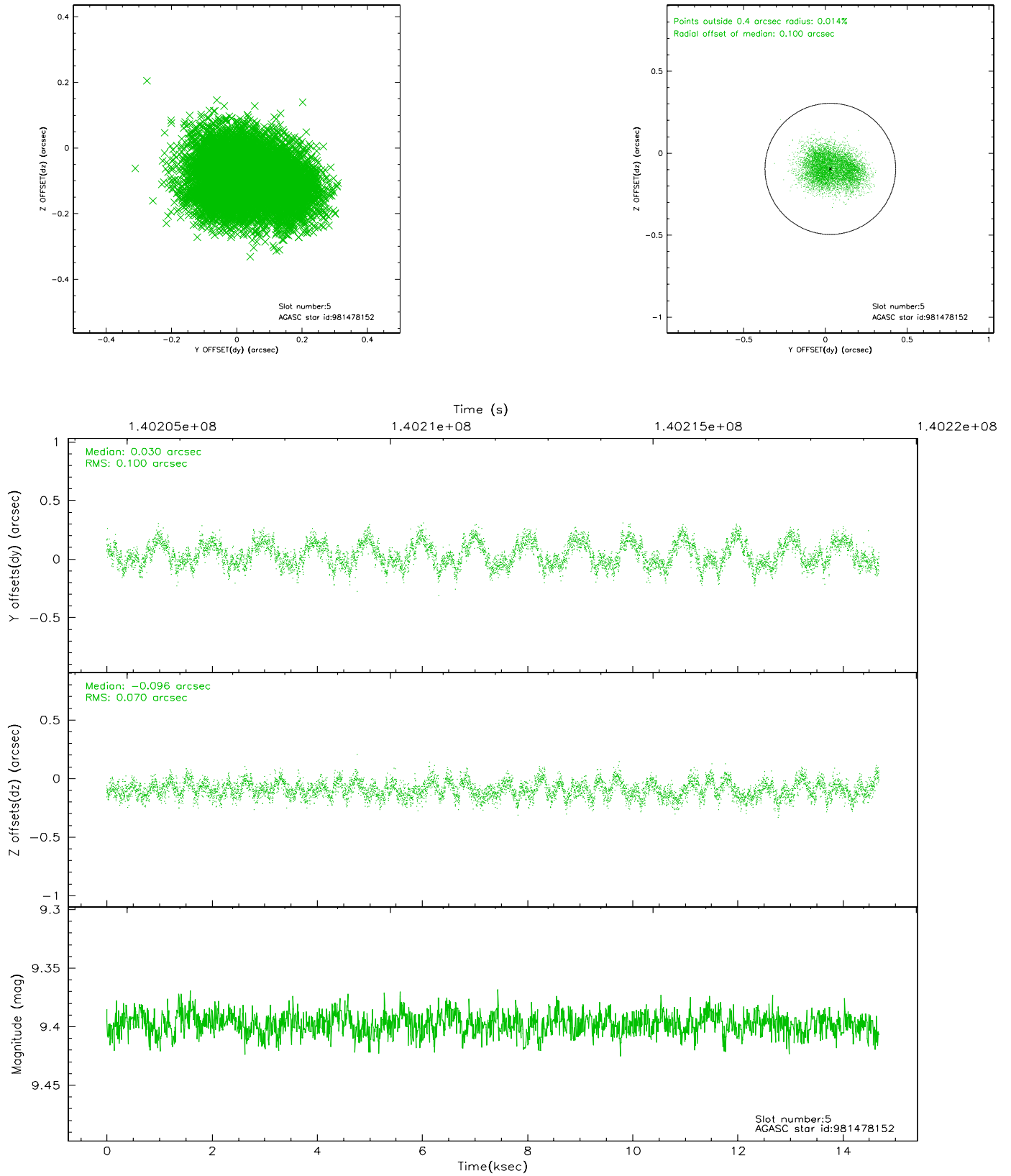
2.4.1 Slot 3



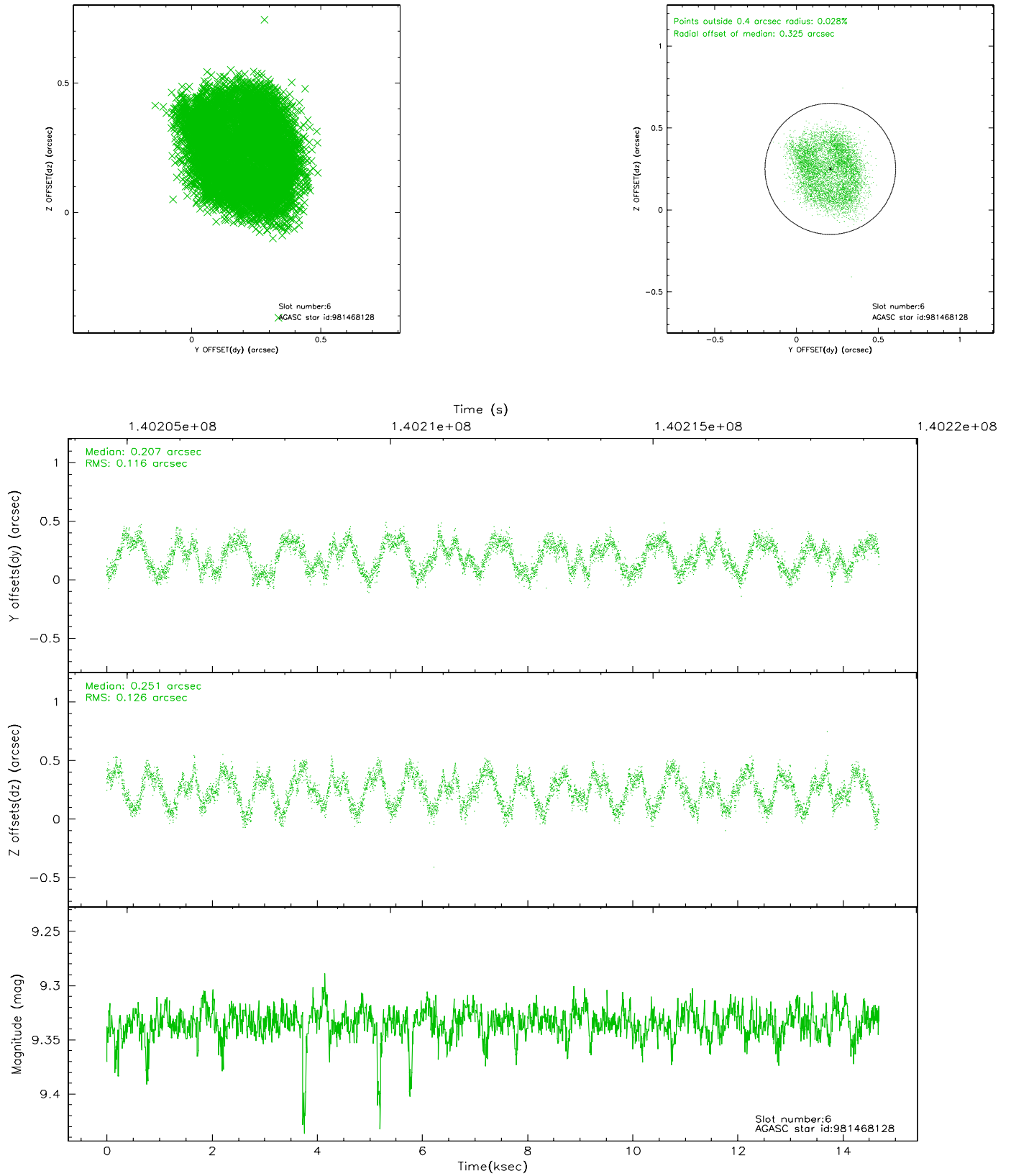
2.4.2 Slot 4



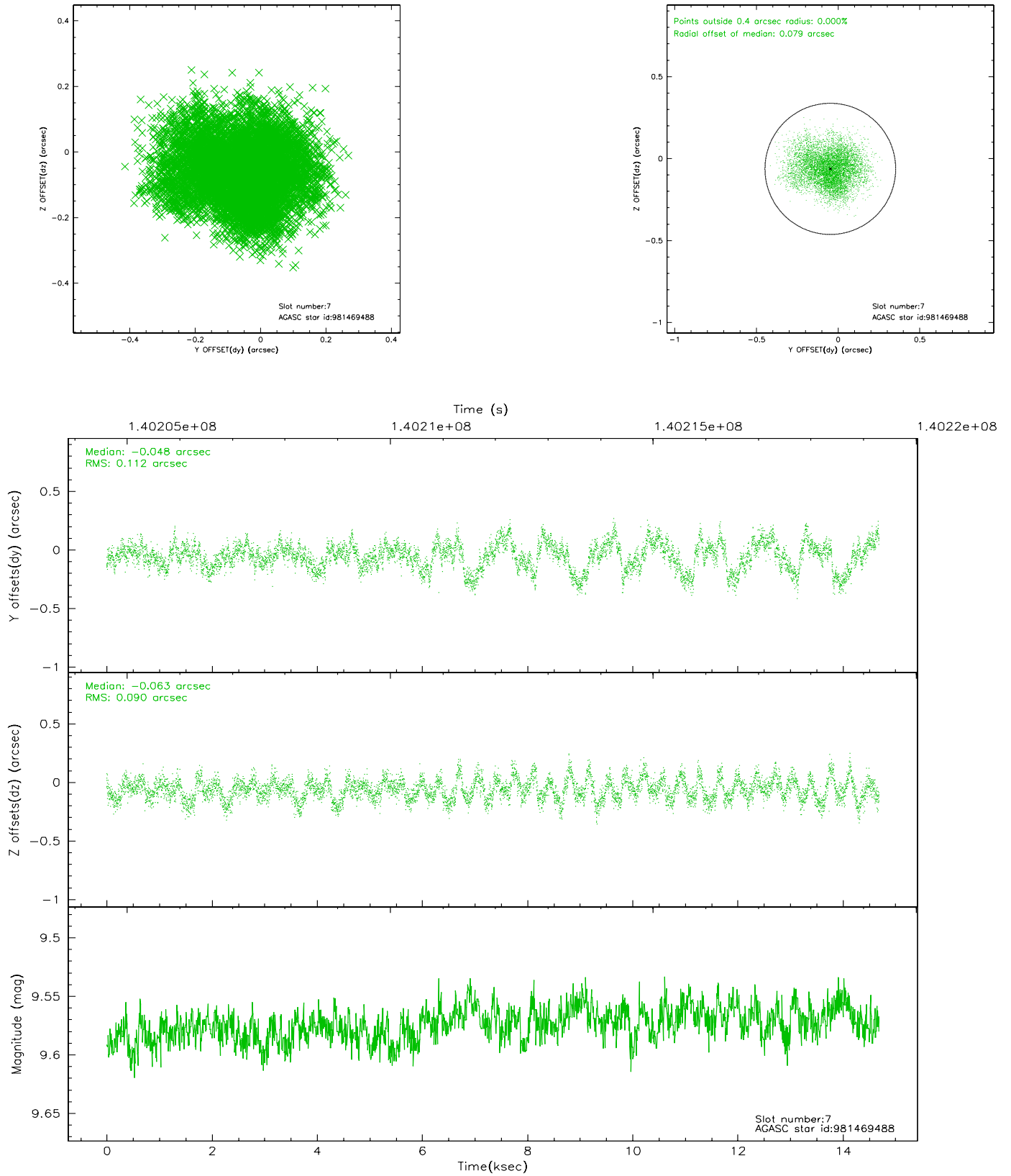
2.4.3 Slot 5



2.4.4 Slot 6

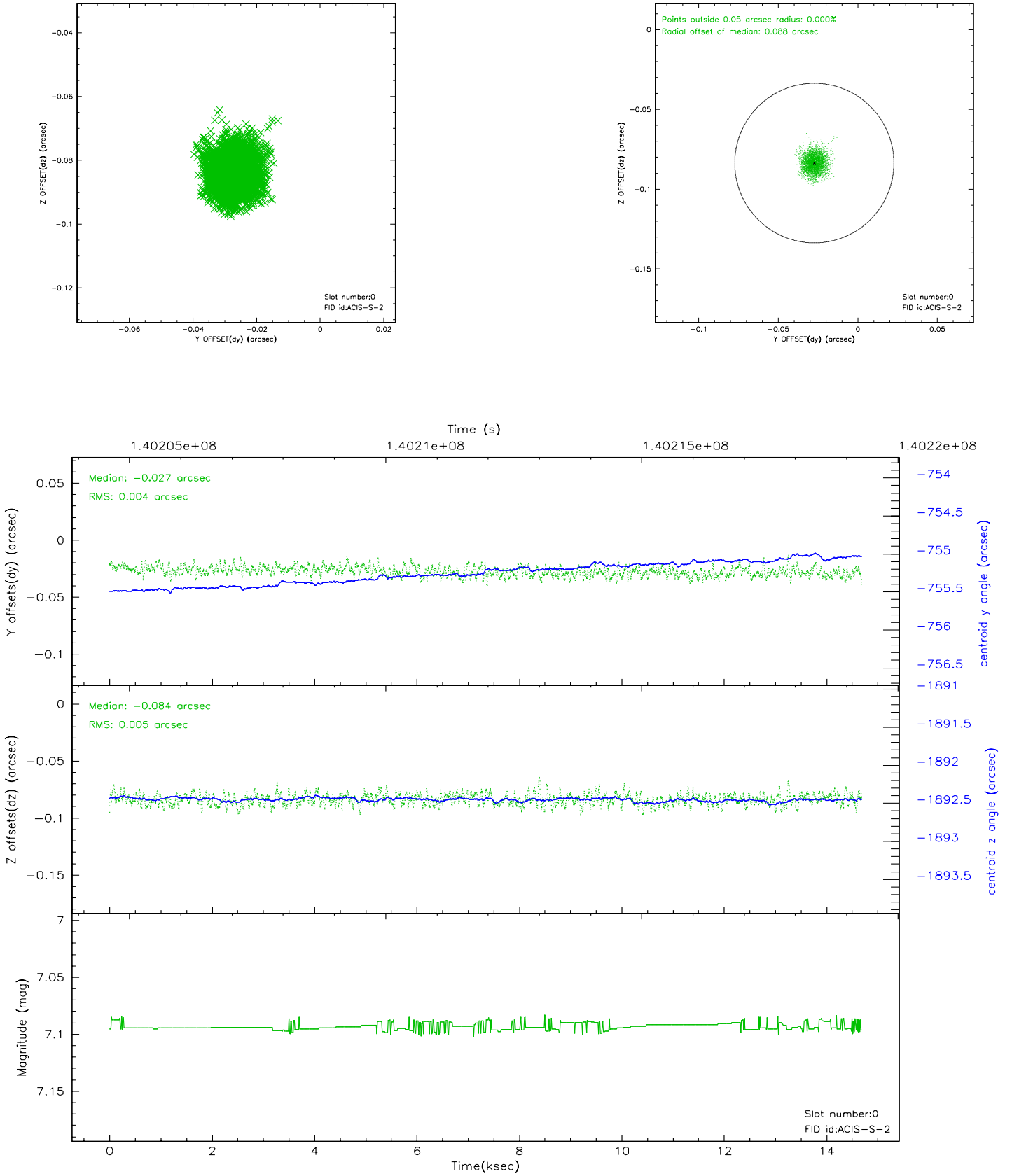


2.4.5 Slot 7

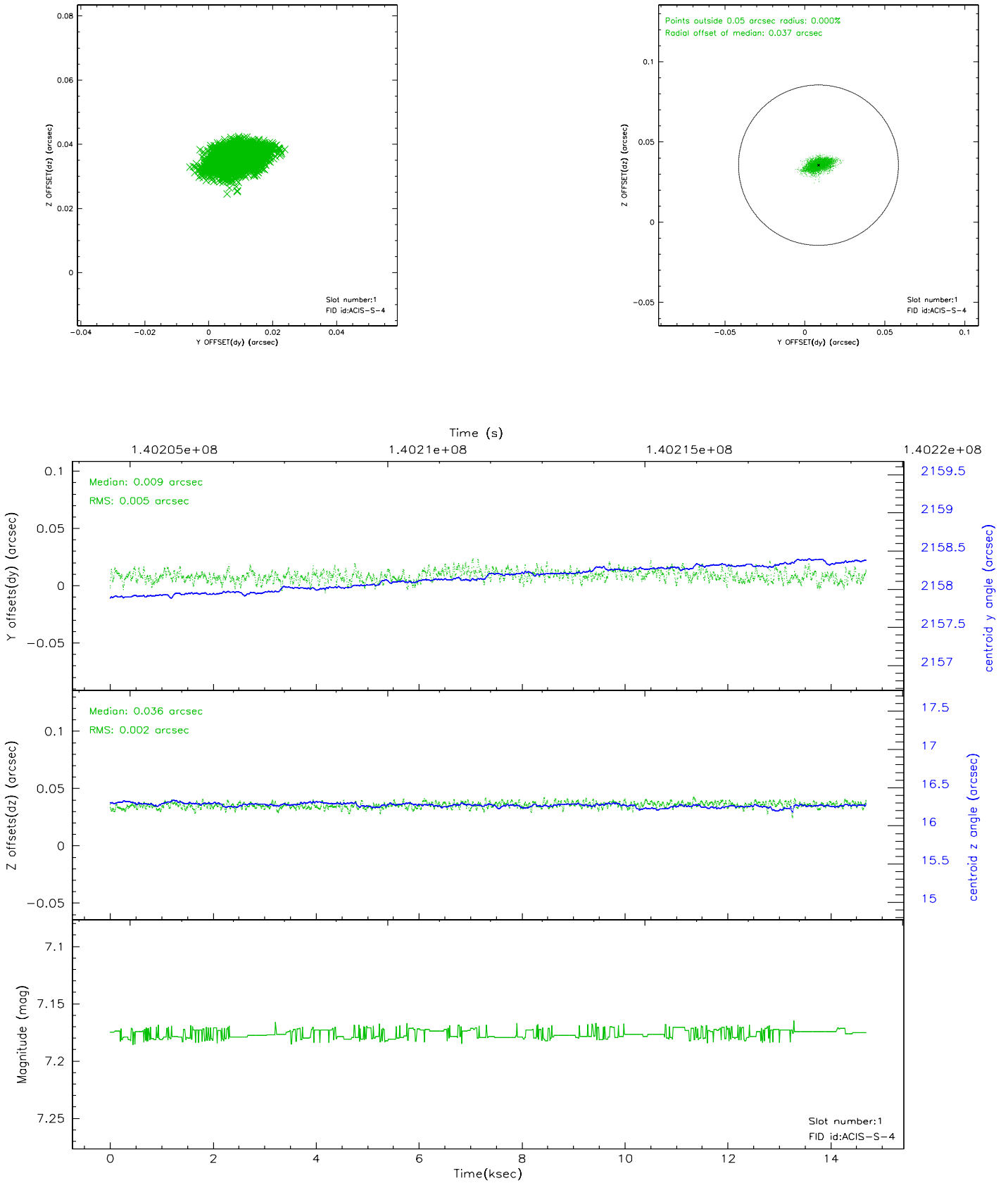


2.5 FID Slots

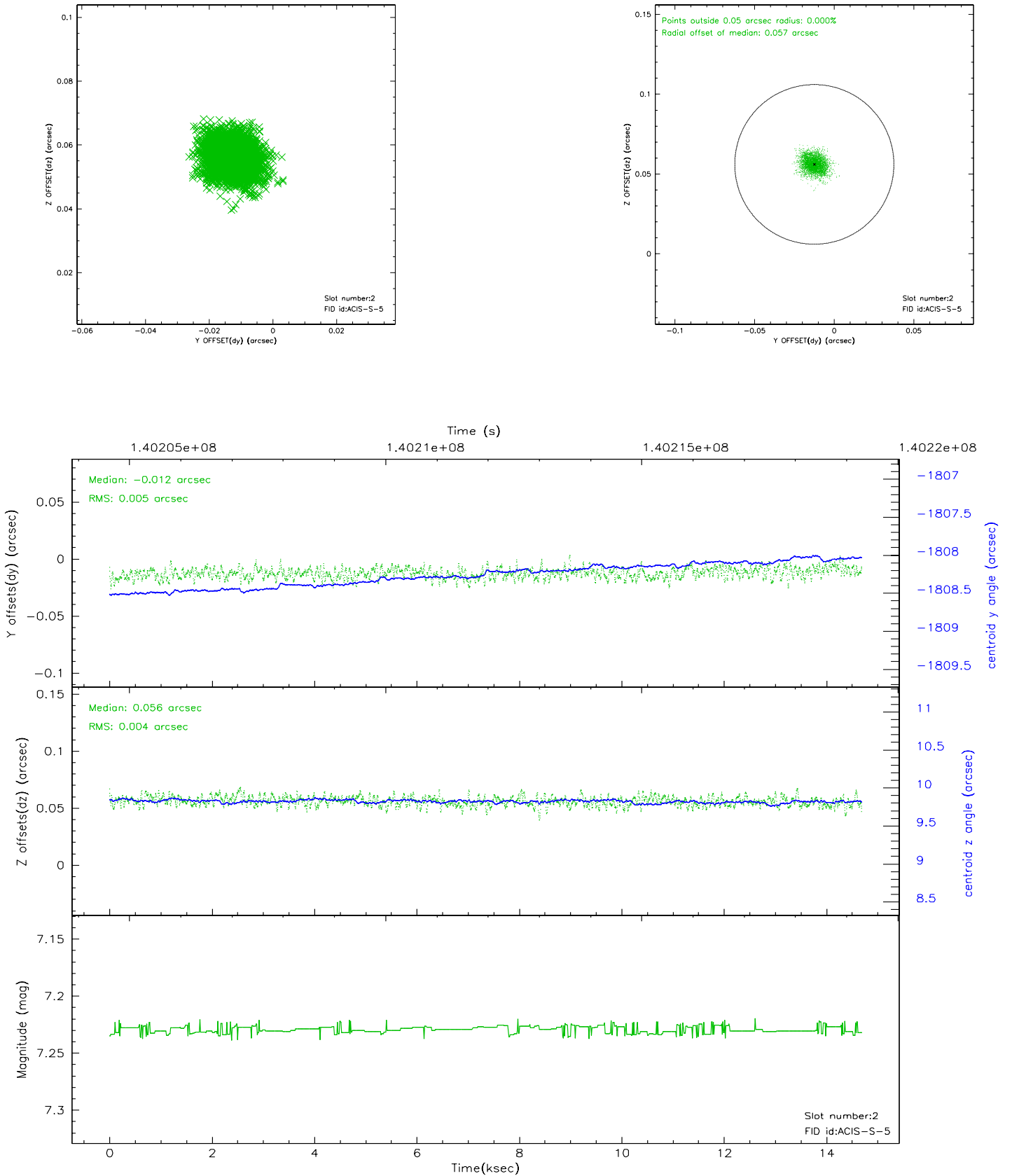
2.5.1 Slot 0



2.5.2 Slot 1

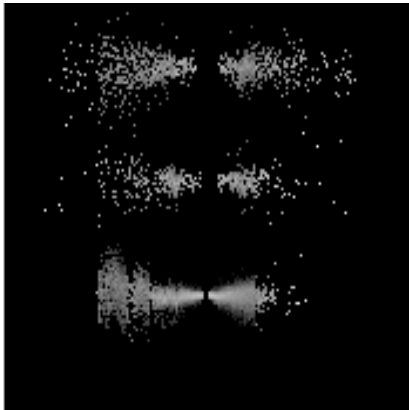


2.5.3 Slot 2

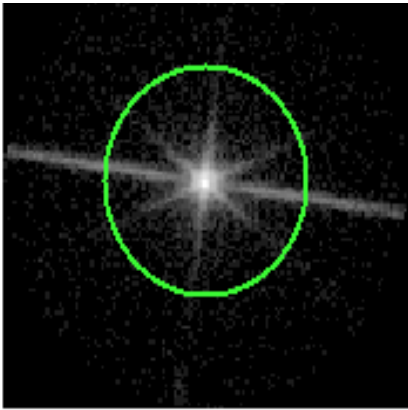


3 Gratings

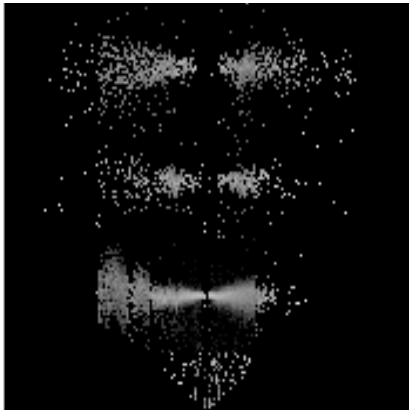
3.1 LETG Arm



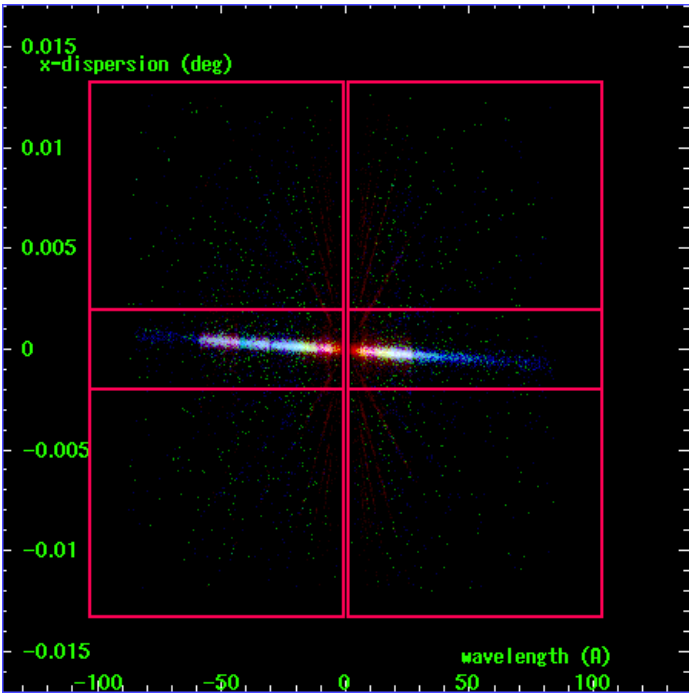
LETG Order Sort 123



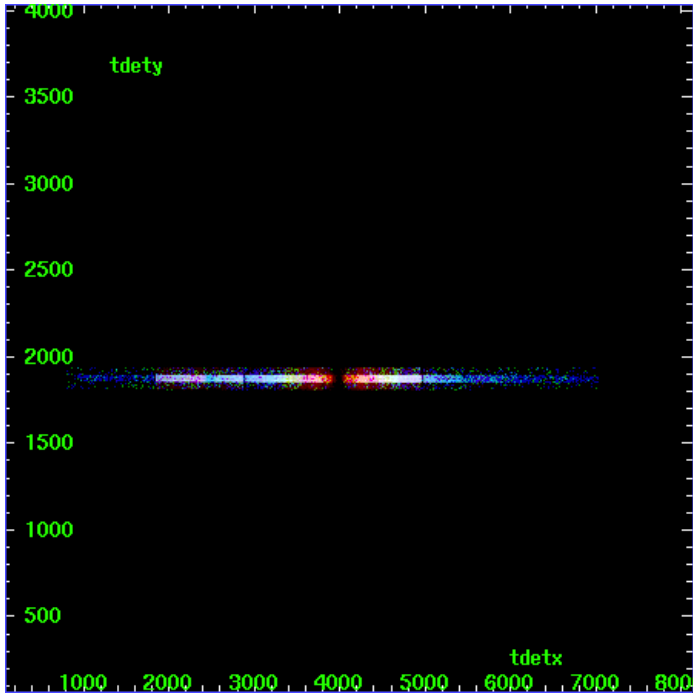
LETG Zero Order



LETG Order Sort ALL

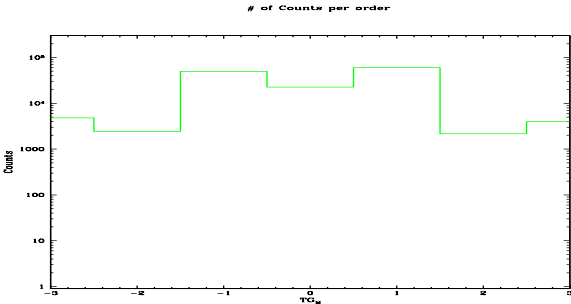


Spot Image LETG

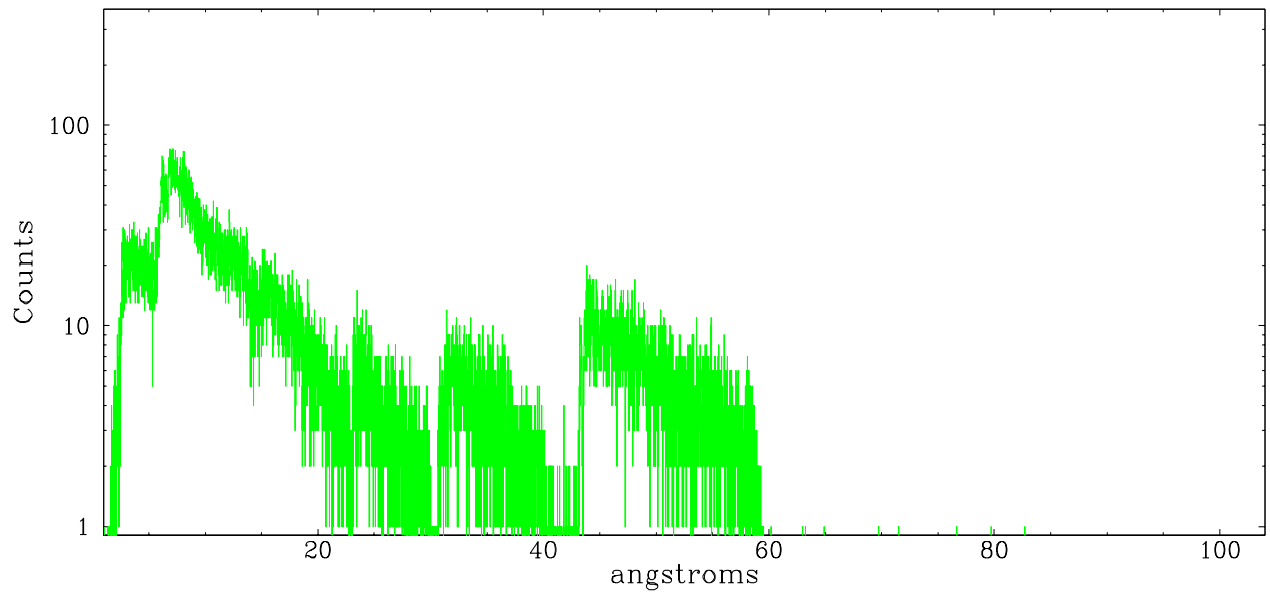


Full Detector LETG

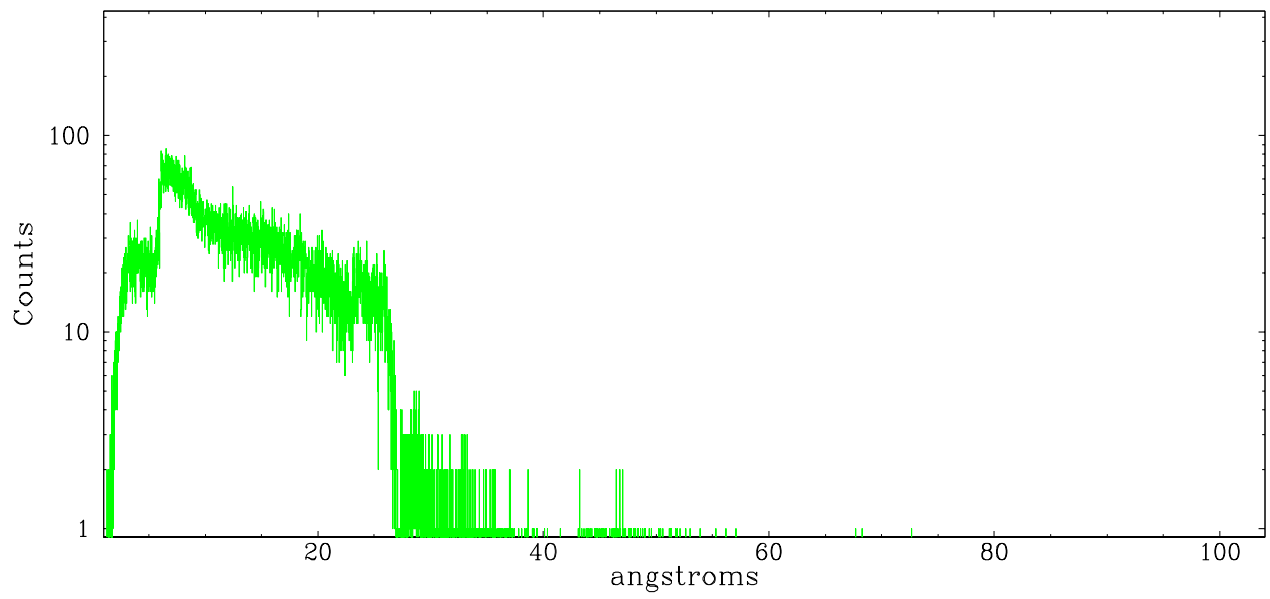
	order -3	order -2	order -1	order 0	order 1	order 2	order 3
Events	4785	2424	49589	22623	59895	2154	3986



leg order -1



leg order +1



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2006.09.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.264

A.2 Comments