

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 4817 - L2 Version 001
Chandra X-Ray Center

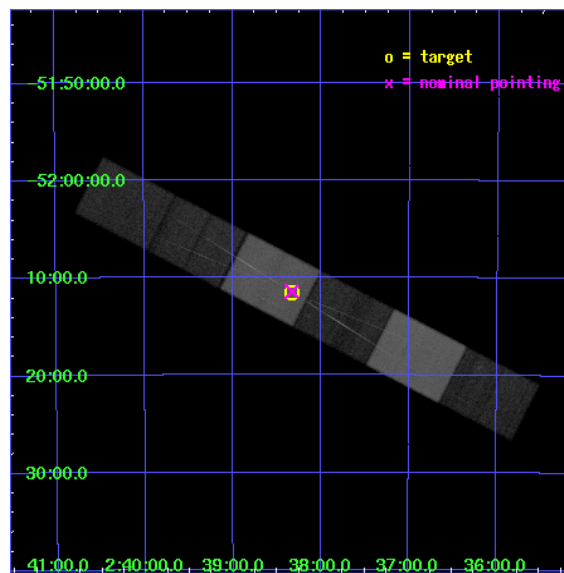
L2 Processing Date : May 25 2006

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1 Front

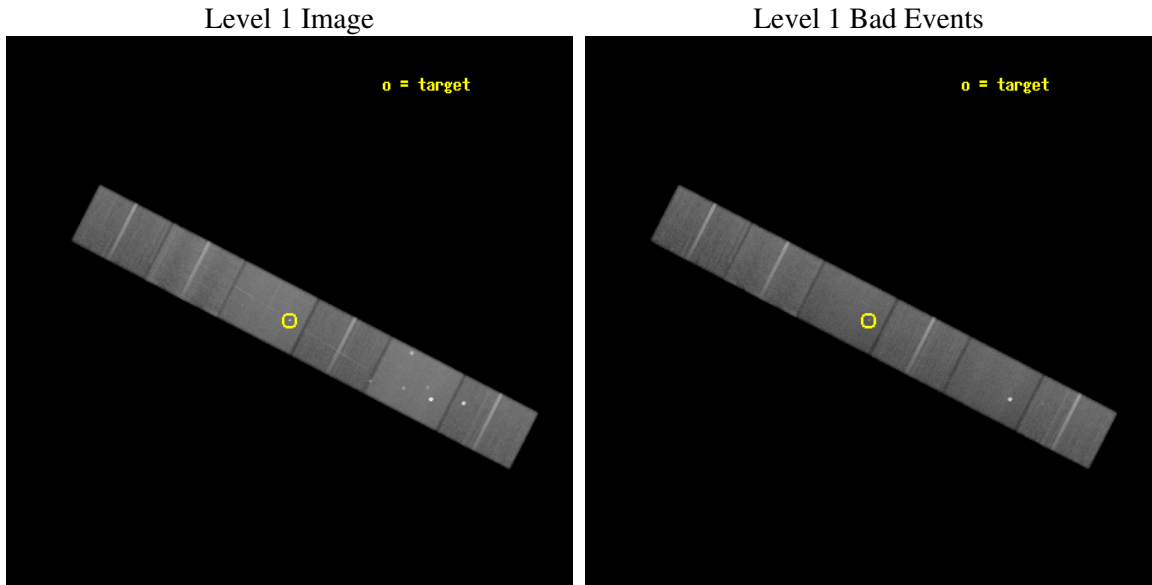
seq_num	700900
obs_id	4817
title	The puzzling iron line emission of ESO198-G24
observer	Dr Stefano Bianchi
object	ESO198-G24
dtcycle	0
cycle	P
ra_targ	39.581667
dec_targ	-52.192778
ra_nom	39.582596980517
dec_nom	-52.190611557616
roll_nom	207.15735878159
revision	2
ontime	80330.0
livetime	79032.600824859
ontime4	80330.0
ontime5	80330.0
ontime6	80330.0
ontime7	80330.0
ontime8	80330.0
ontime9	80330.0
l2events	718091



2 OBI

2.1 OBI

2.1.1 Images

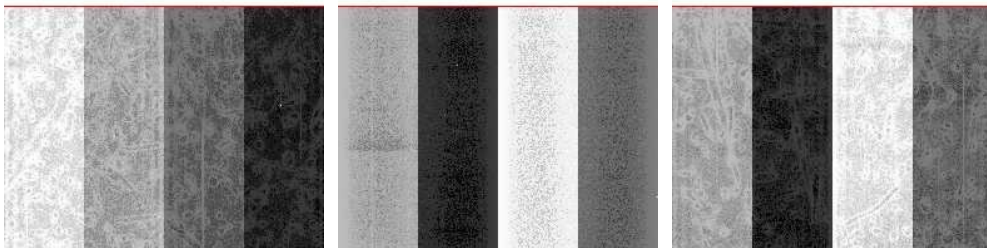


2.1.2 Bias

Chip 4

Chip 5

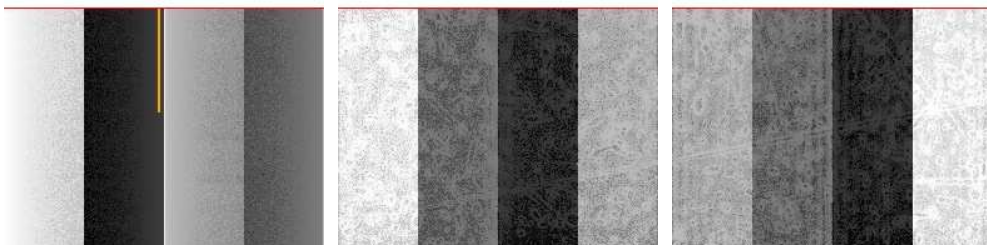
Chip 6



Chip 7

Chip 8

Chip 9



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.2
caldbver	3.2.2
date	2006-05-25T08:55:06
revision	2

sched_exp_time	80160.136000
ontime	80334.020283729
ontime4	80334.020283729
ontime5	80334.020283729
ontime6	80334.020283729
ontime7	80334.020283729
ontime8	80334.020283729
ontime9	80334.020283729
l1events	3190759

2.1.4 Events

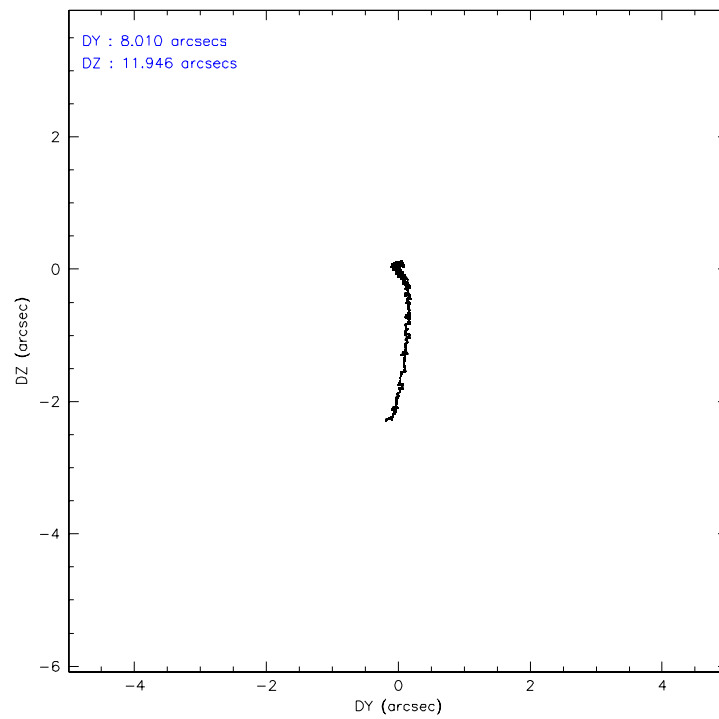
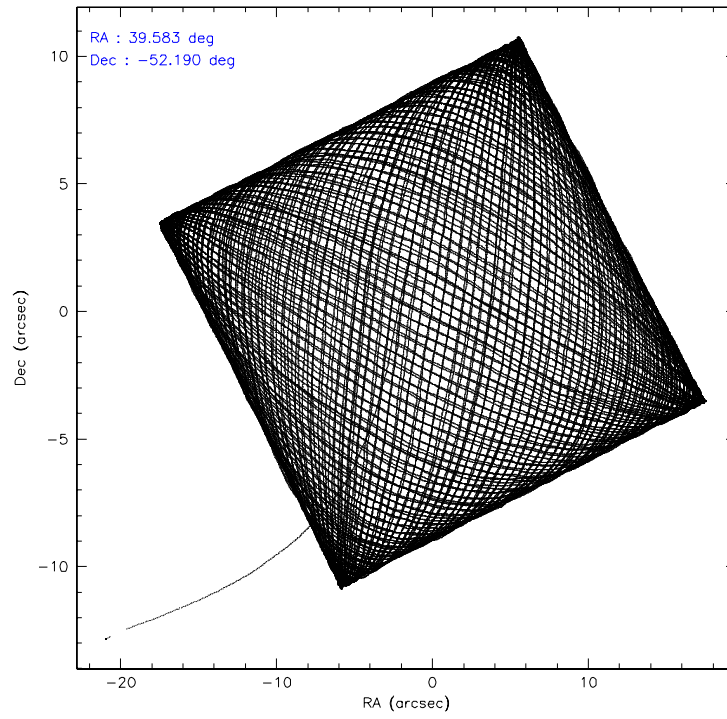
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	499177	673531	446947	592603	547162	431339
rejected events	420602	369435	385033	351387	423657	372145
rejected %	84%	54%	86%	59%	77%	86%

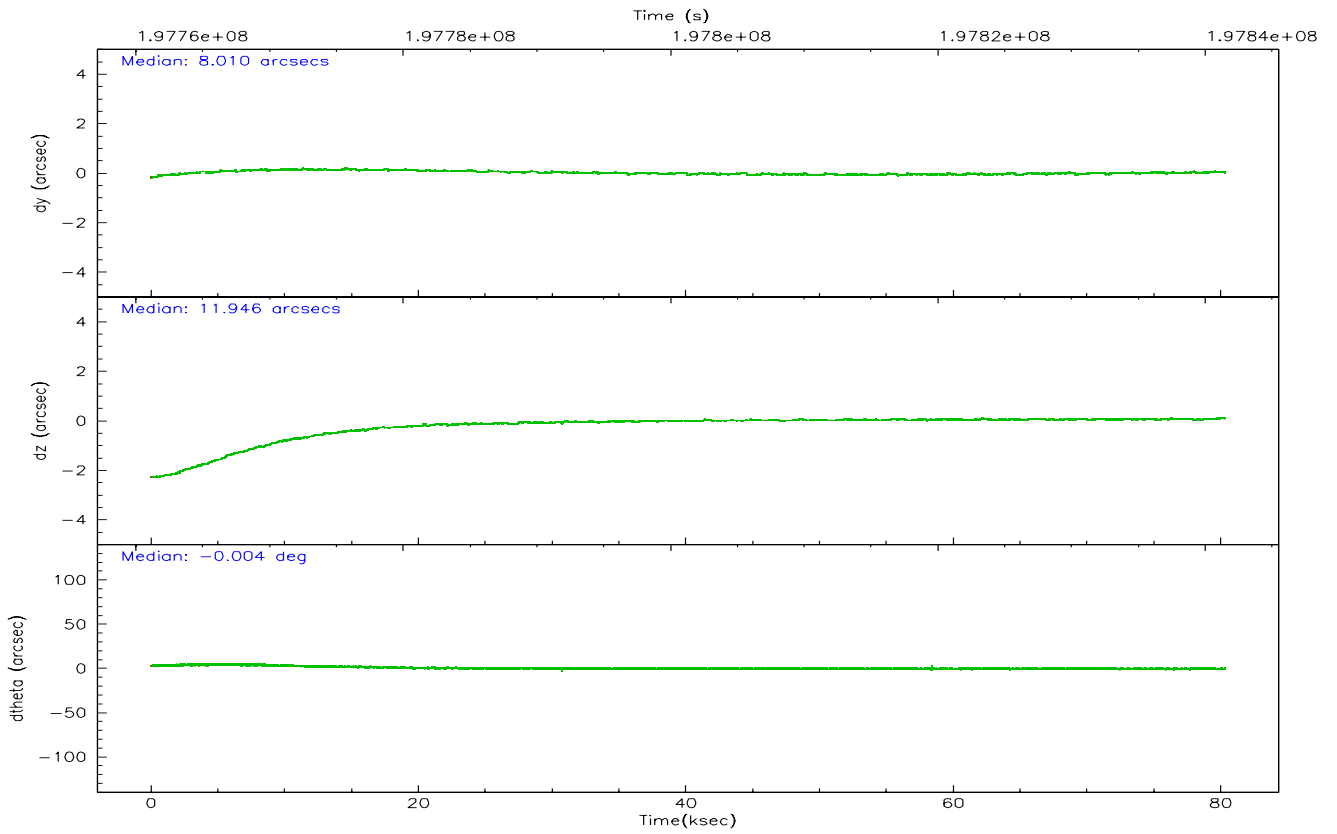
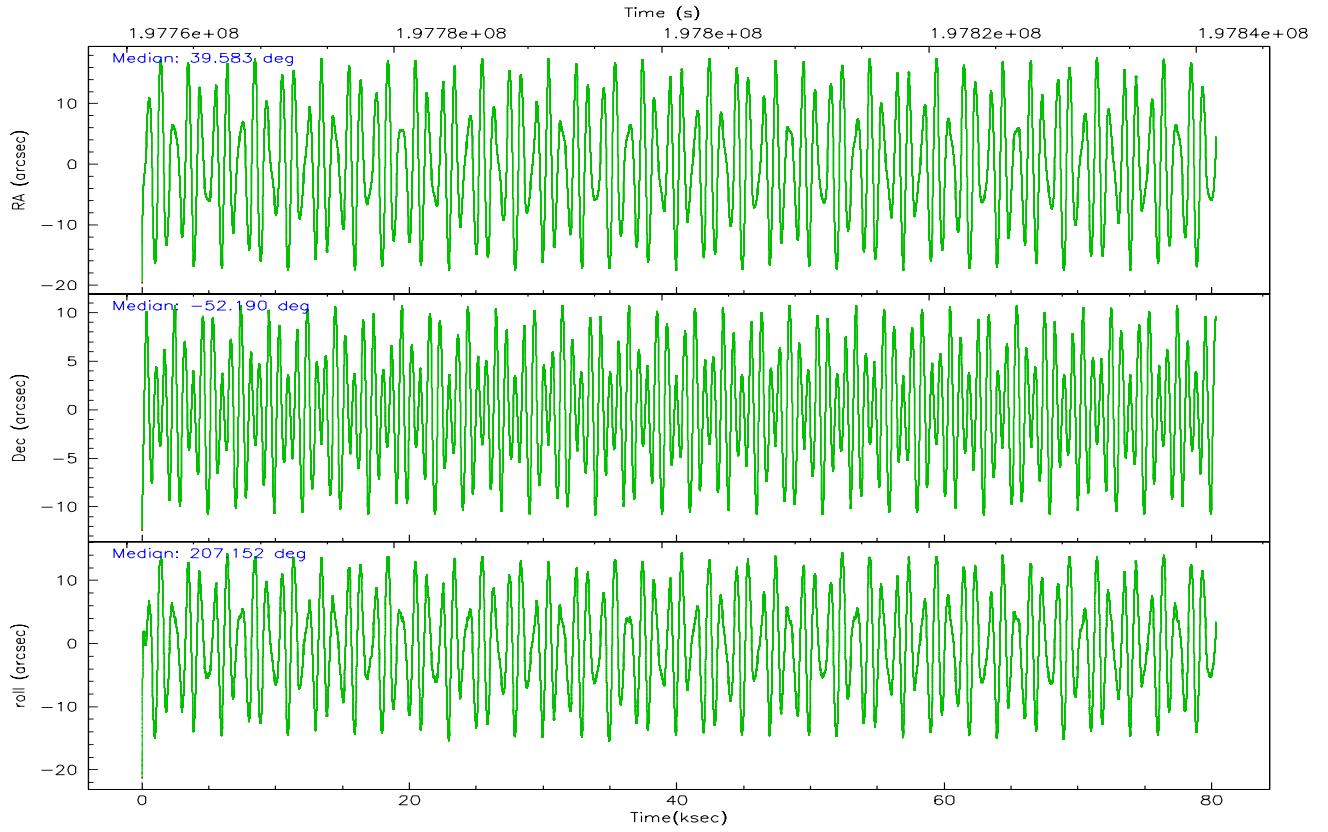
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	44378	29760	26663	16181	40545	24786
	8%	4%	5%	2%	7%	5%
grade 1 events	468	547	211	378	336	222
	0%	0%	0%	0%	0%	0%
grade 2 events	12504	90878	11910	59061	25915	11250
	2%	13%	2%	9%	4%	2%
grade 3 events	6190	15156	5724	14530	13040	5939
	1%	2%	1%	2%	2%	1%
grade 4 events	5895	6996	5897	14045	12258	5756
	1%	1%	1%	2%	2%	1%
grade 5 events	18425	40734	19286	41217	24956	20049
	3%	6%	4%	6%	4%	4%
grade 6 events	9612	161340	11731	137413	31762	11472
	1%	23%	2%	23%	5%	2%
grade 7 events	401705	328120	365525	309778	398350	351865
	80%	48%	81%	52%	72%	81%

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	HETG	HETG	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	CUSTOM	CUSTOM
Pointing RA	39.606144	39.58259698051676	Subarray start row	1	1
Pointing Dec	-52.167548	-52.1906115576159	Subarray row count	774	774
Pointing Roll	207.019330	207.1573587815906	Alternating exposures requested	N	N
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Primary exposure time	0.000000	2.5
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-187.132523	-187.1254020033014			
SIM translation stage offset (mm)	-3	-3.007120579706367			
Observation start time	197761320.184000	197760223.41805			
Observation start date	2004-04-07T21:40:56	2004-04-07T21:23:43			
Observation end time	197841480.184000	197841794.97163			
Observation end date	2004-04-08T19:56:56	2004-04-08T20:03:14			
Read mode	TIMED	TIMED			

2.3 Aspect



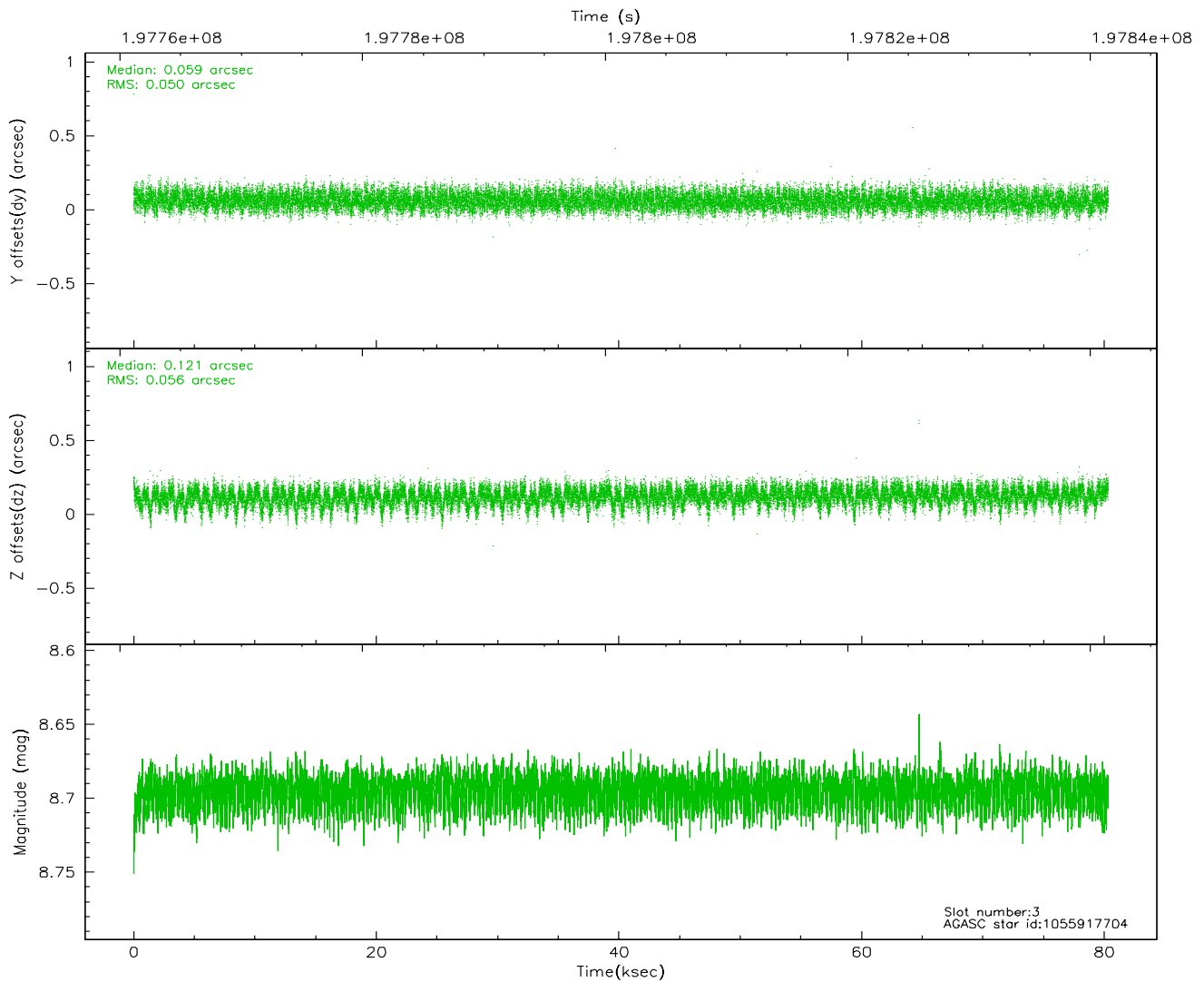
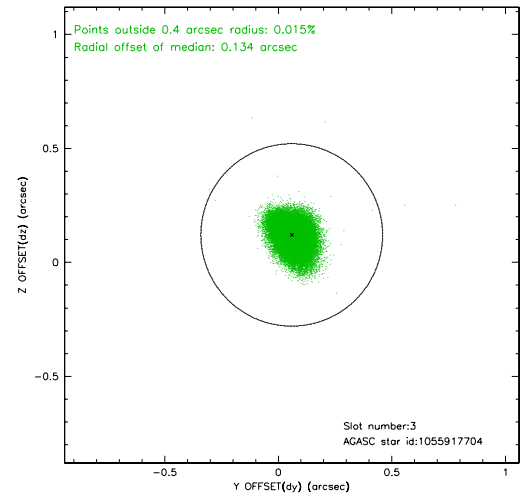
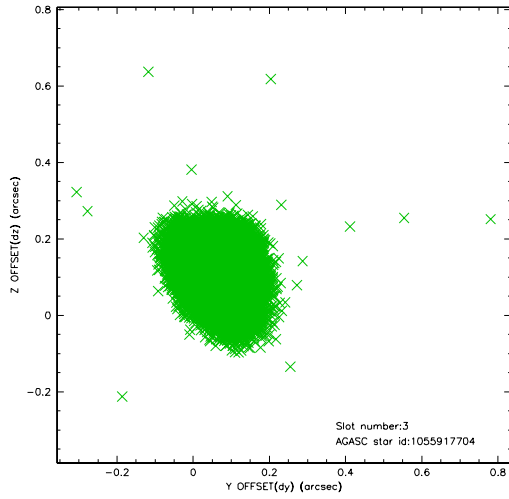


Slot Statistics

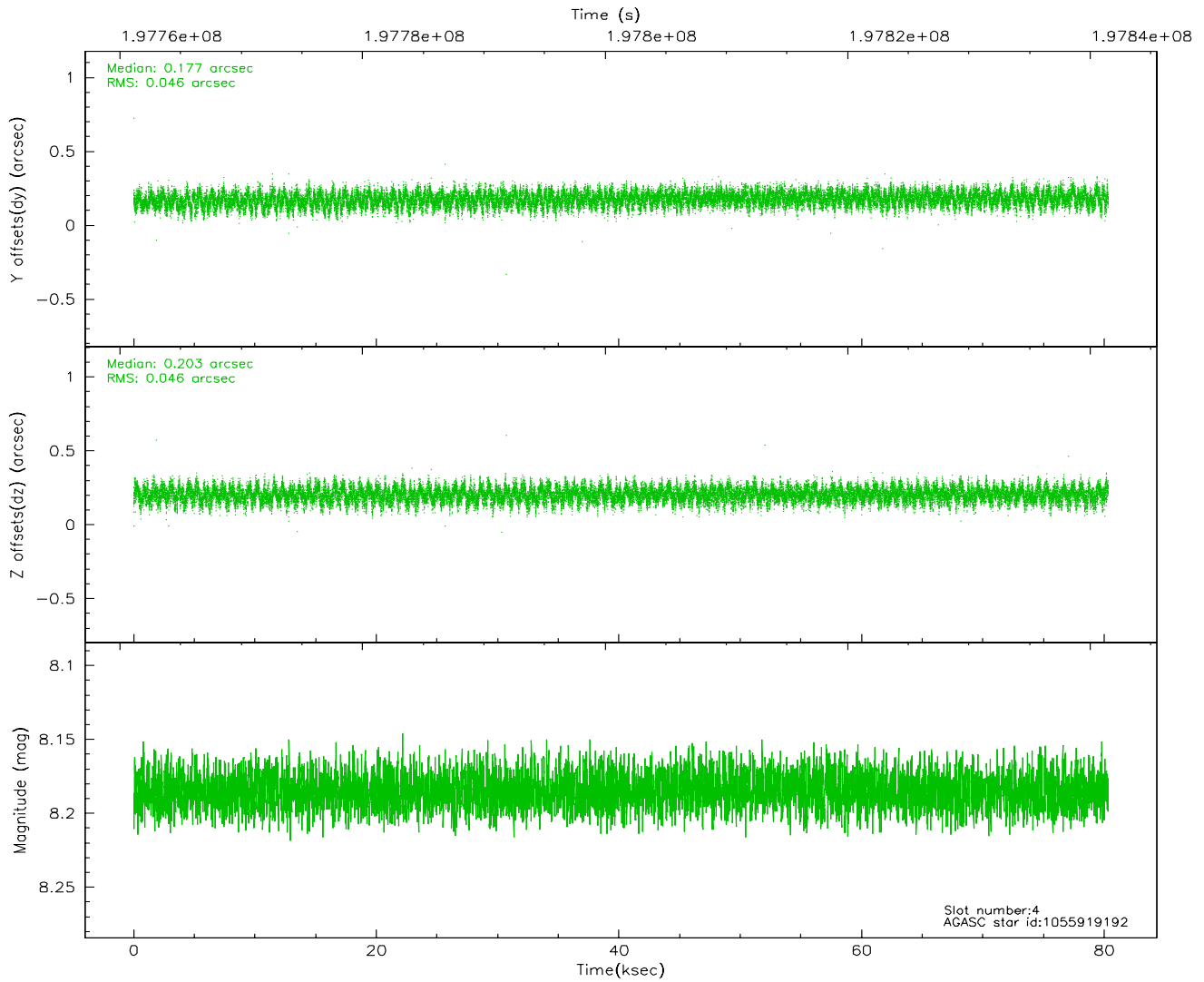
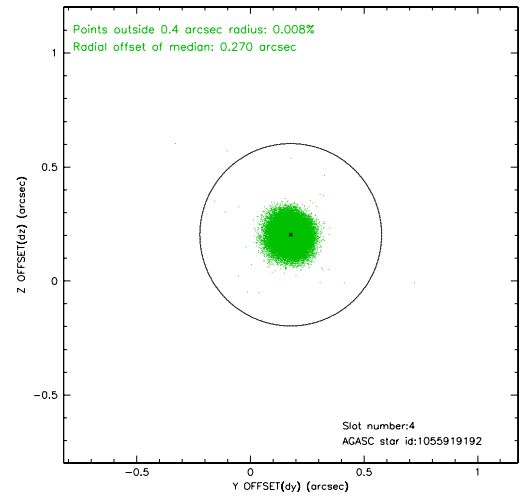
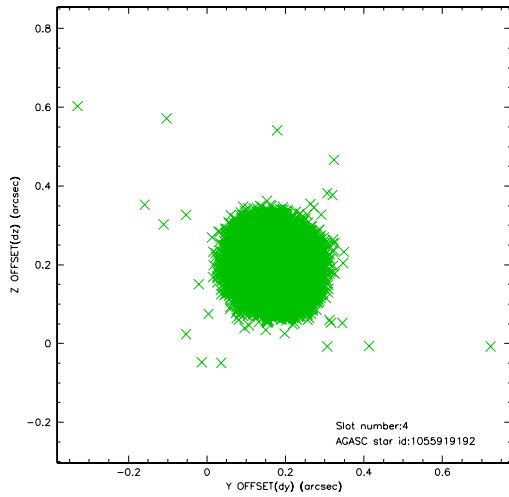
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	19596	-0.046	-0.053	0.010	0.026	0.000000	0.000000	-760.64	-1795.14
1	FID	ACIS-S-4	7.19	19596	0.069	0.036	0.006	0.011	0.000000	0.000000	2152.78	113.52
2	FID	ACIS-S-5	7.23	19595	-0.055	0.024	0.010	0.028	0.000000	0.000000	-1813.59	107.08
3	GUIDE	1055917704	8.70	39181	0.059	0.121	0.079	0.129	38.591744	-51.795371	1411.00	-2205.13
4	GUIDE	1055919192	8.18	39184	0.177	0.203	0.070	0.110	40.132773	-51.788379	-1662.26	-679.15
5	GUIDE	1112024080	9.72	39161	0.037	-0.151	0.106	0.174	39.122158	-52.516812	1517.67	641.95
6	GUIDE	1112026416	9.11	39171	-0.139	-0.064	0.127	0.185	39.365217	-52.874513	1623.02	2030.71
7	GUIDE	1112024616	9.09	39130	-0.132	-0.101	0.073	0.118	39.290431	-52.557445	1253.98	938.32

2.4 Star Slots

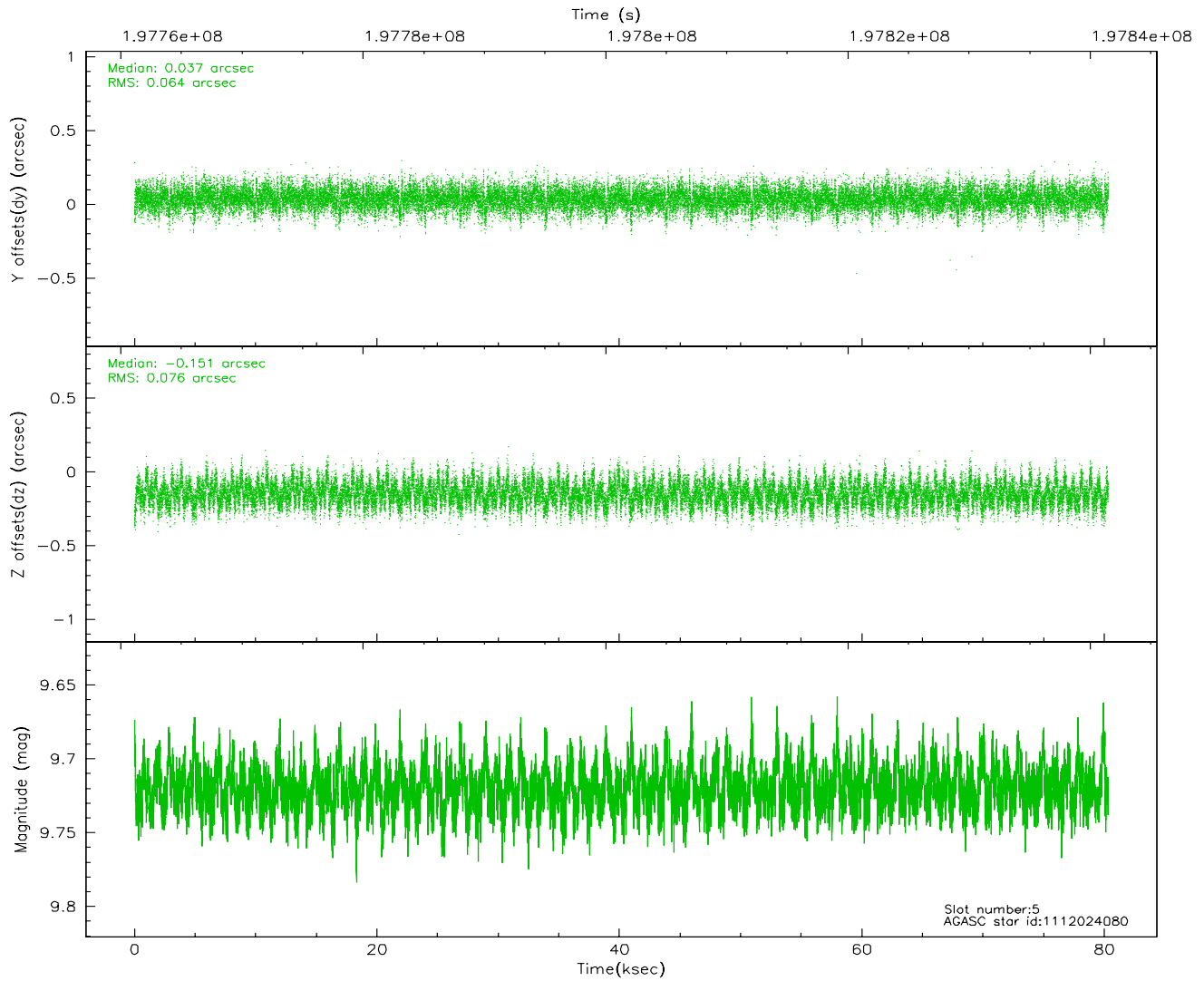
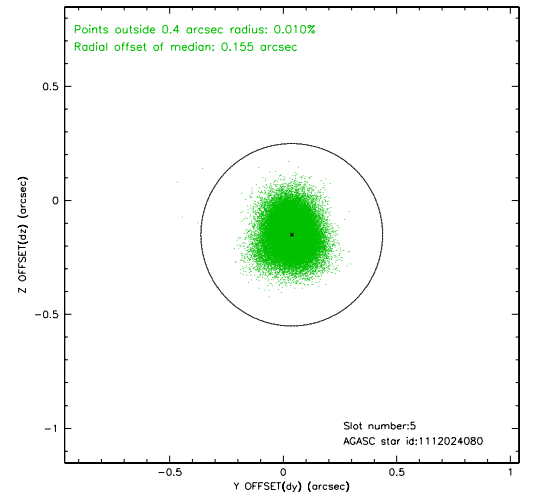
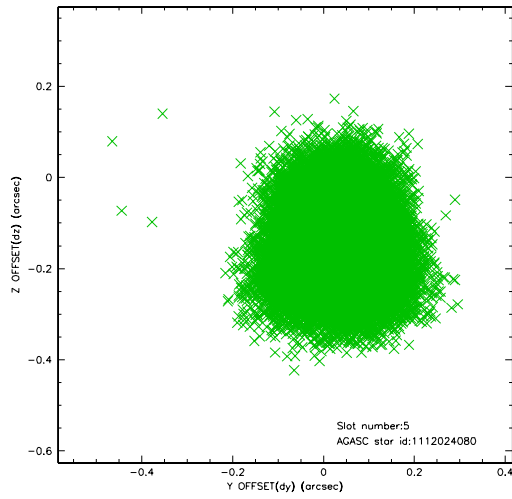
2.4.1 Slot 3



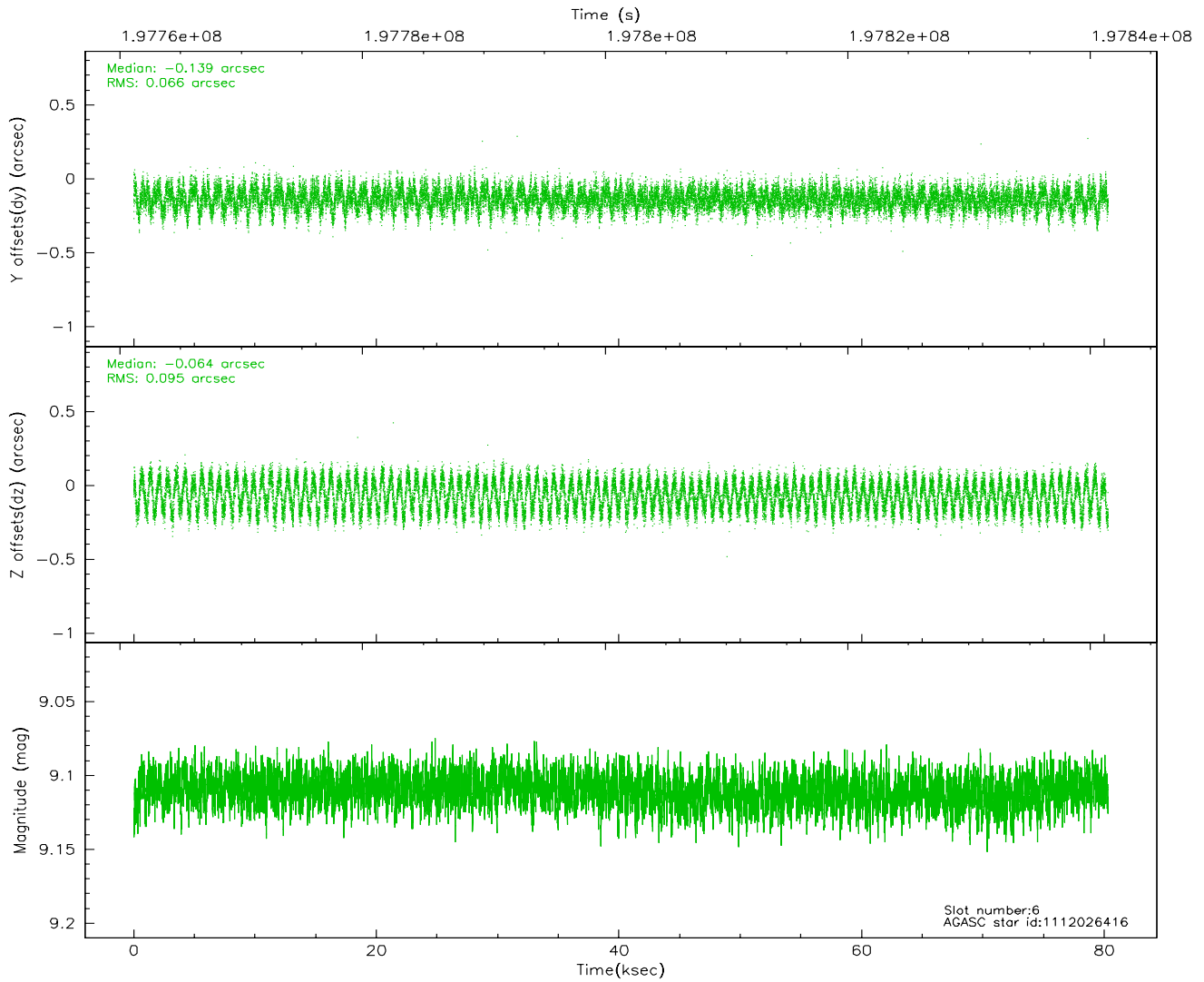
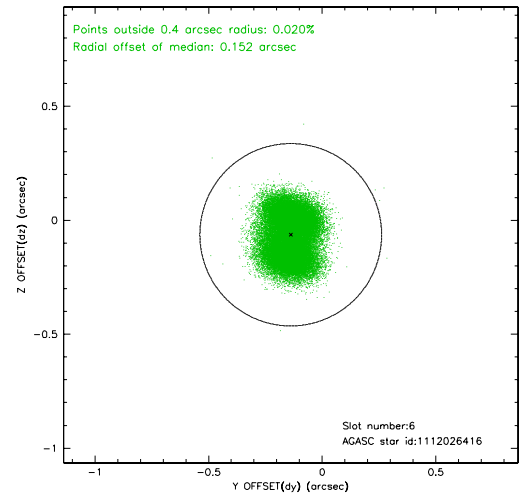
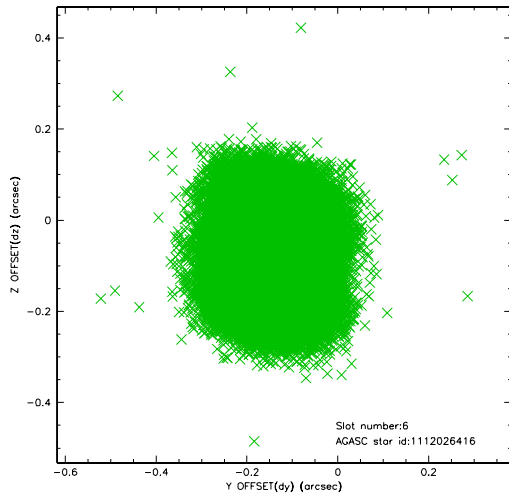
2.4.2 Slot 4



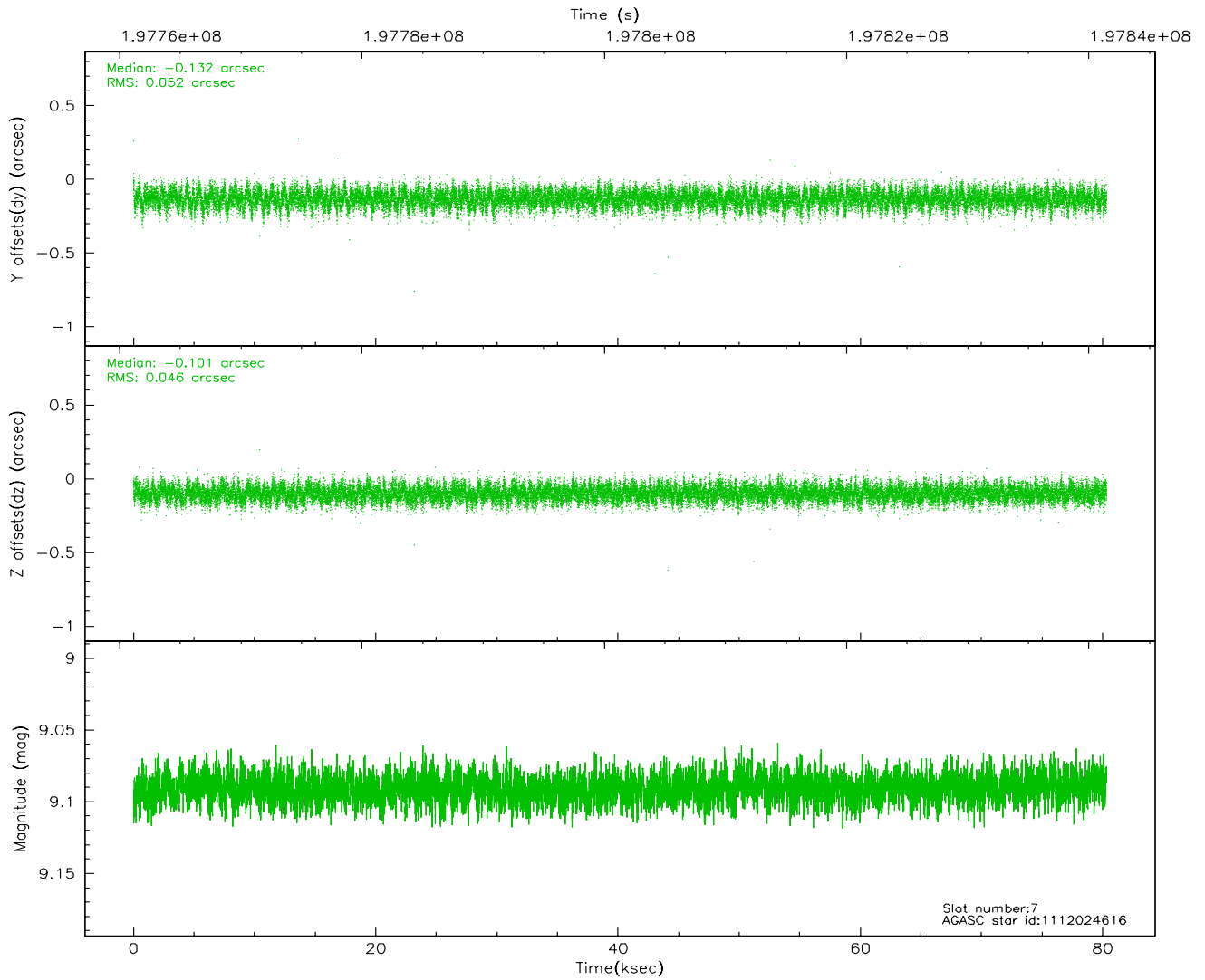
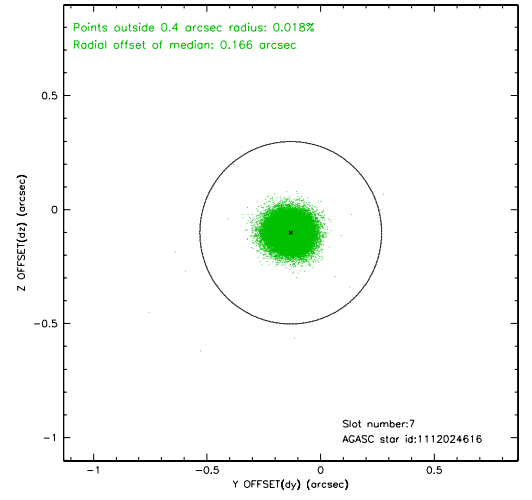
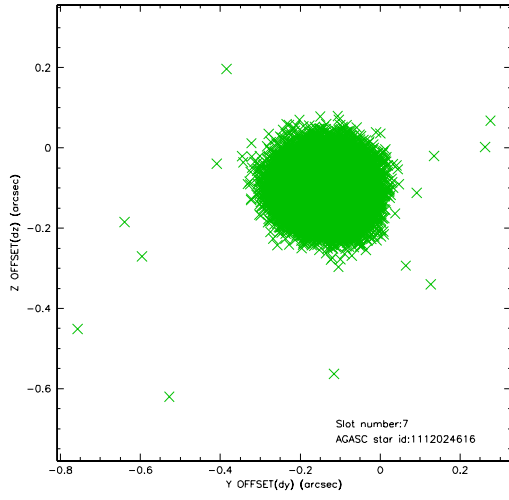
2.4.3 Slot 5



2.4.4 Slot 6

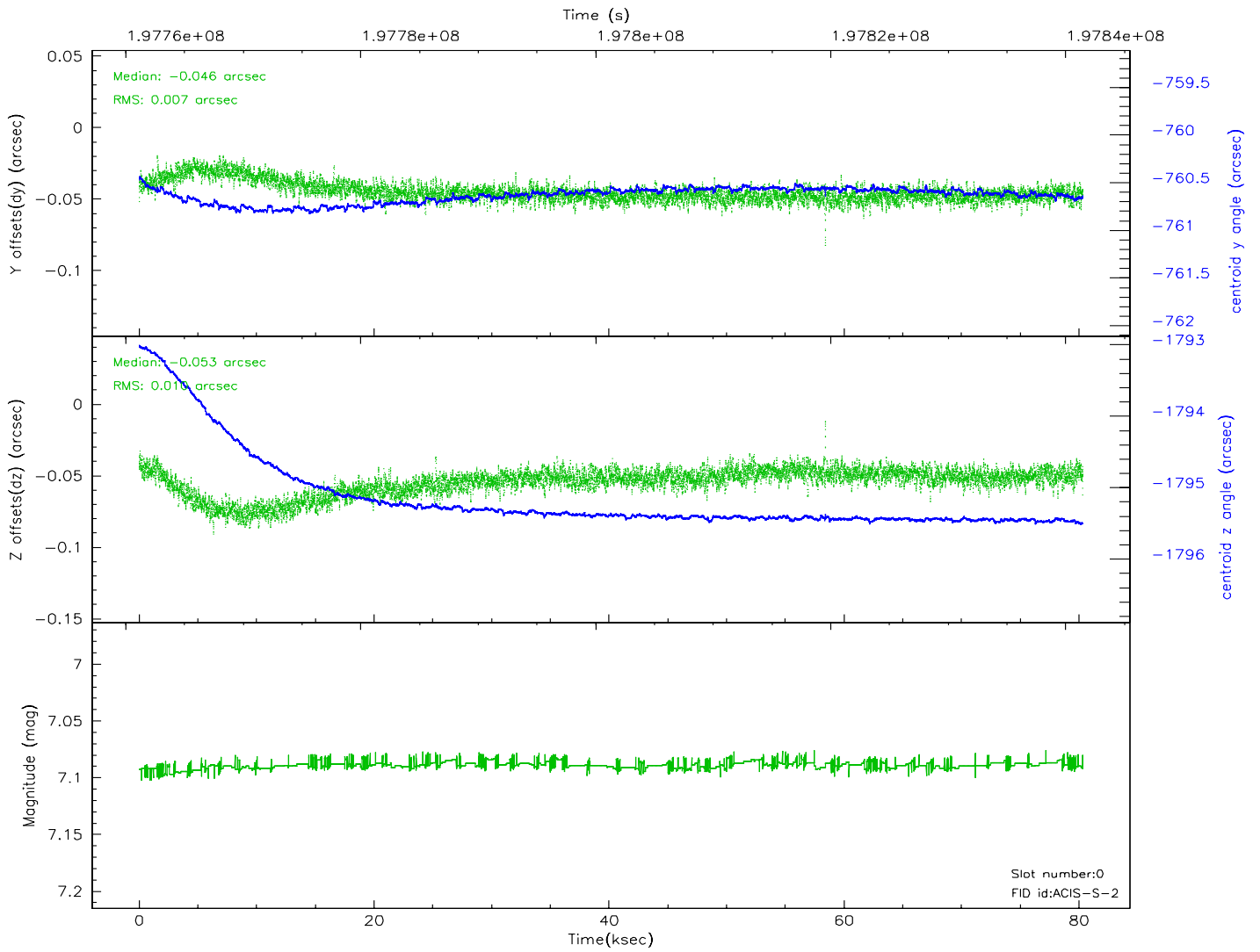
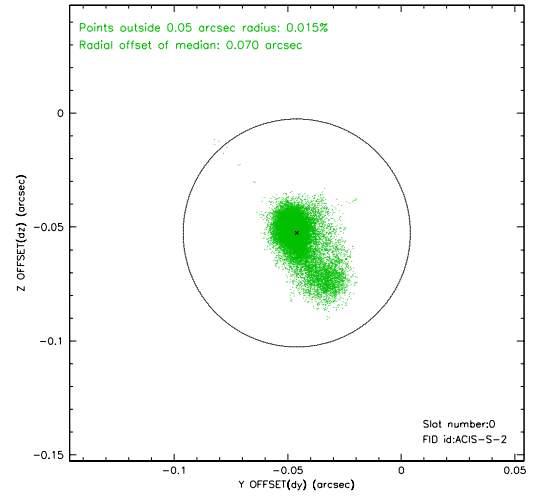
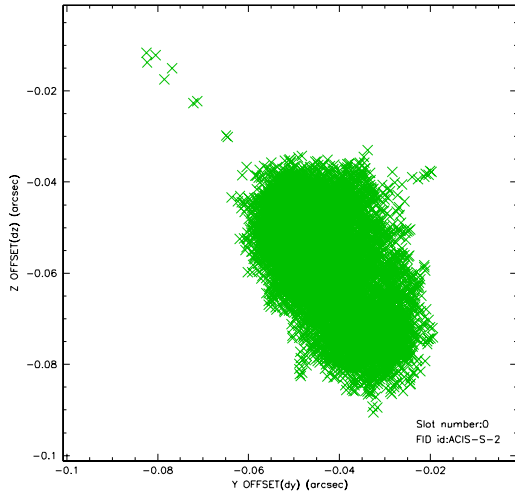


2.4.5 Slot 7

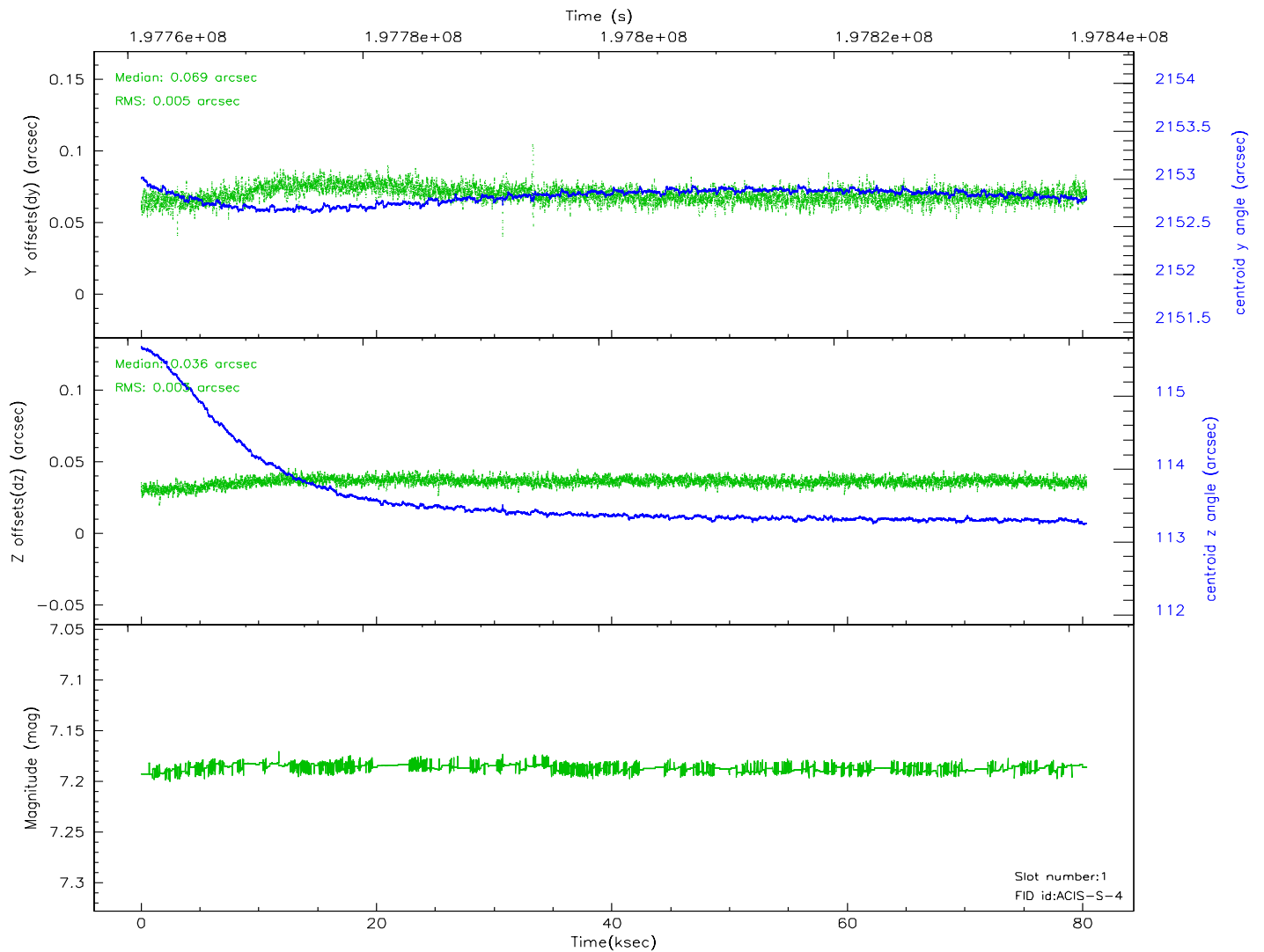
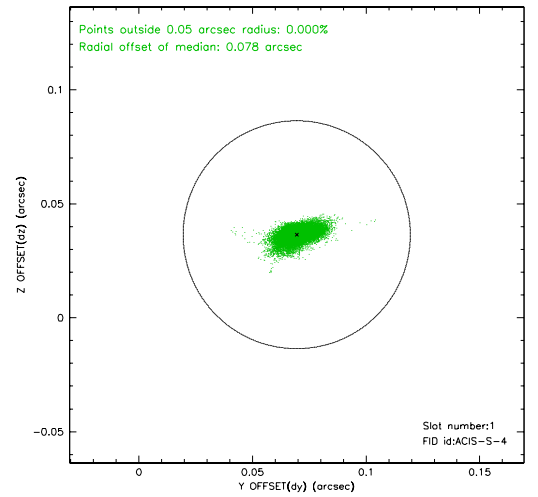
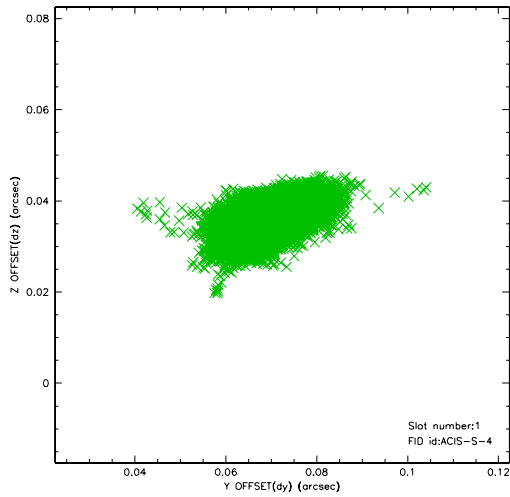


2.5 FID Slots

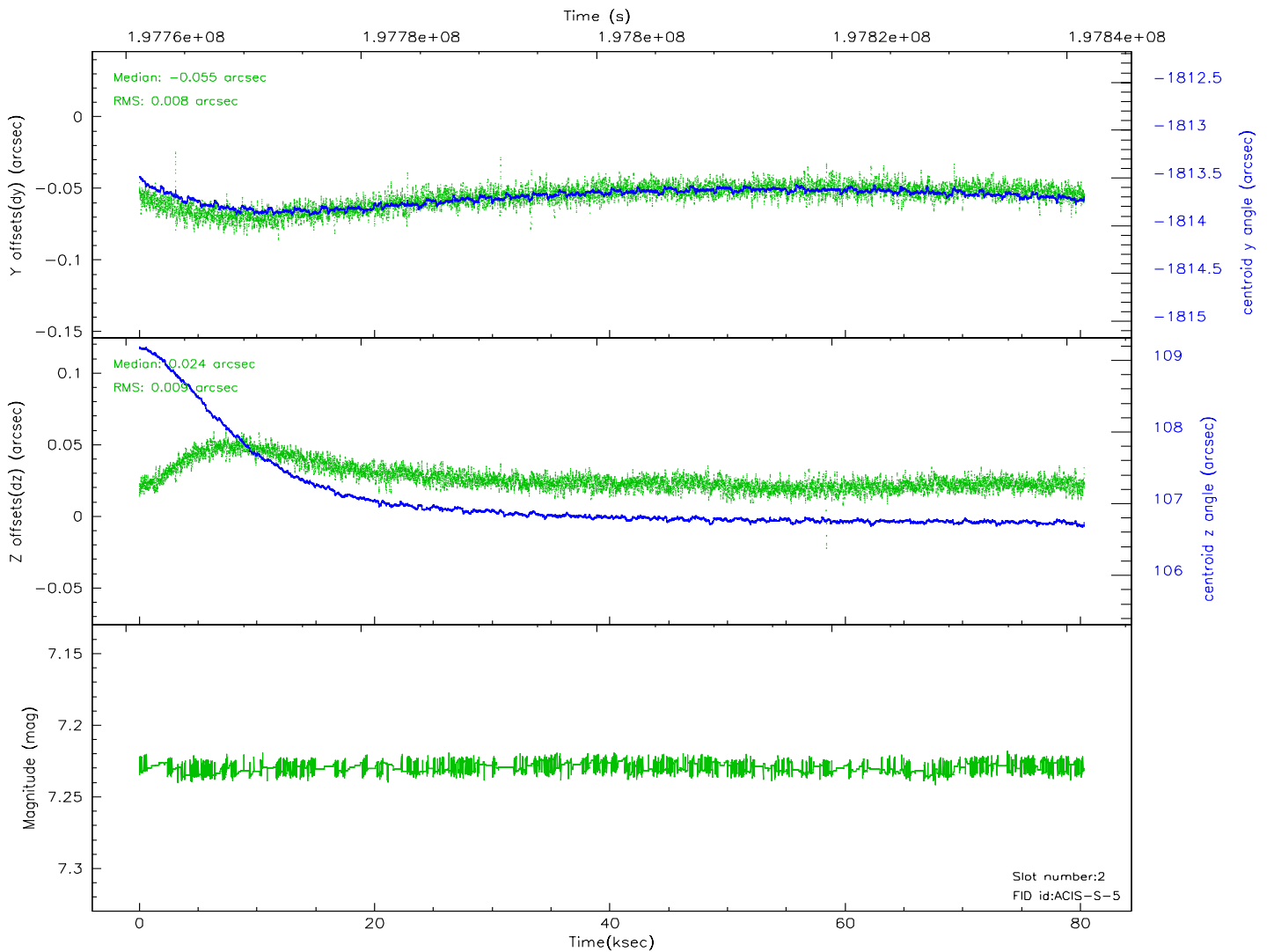
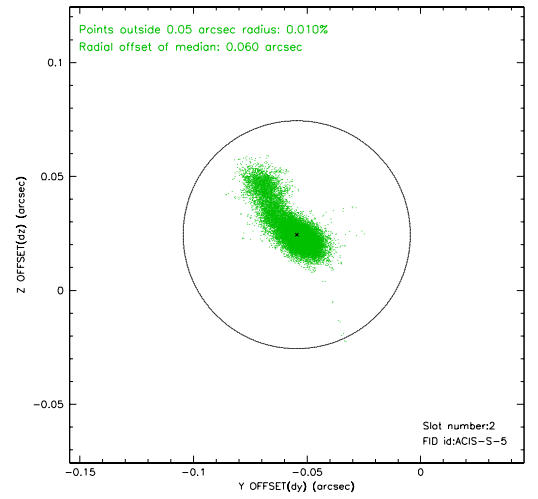
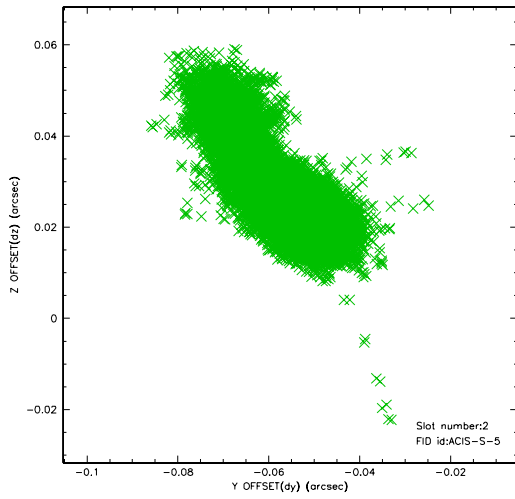
2.5.1 Slot 0



2.5.2 Slot 1

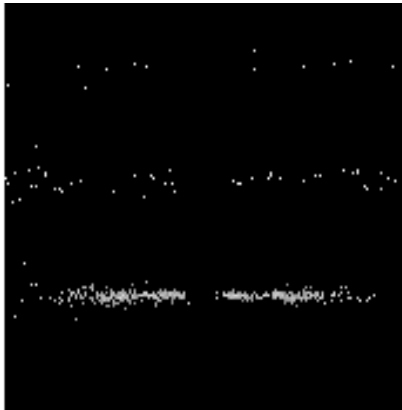


2.5.3 Slot 2

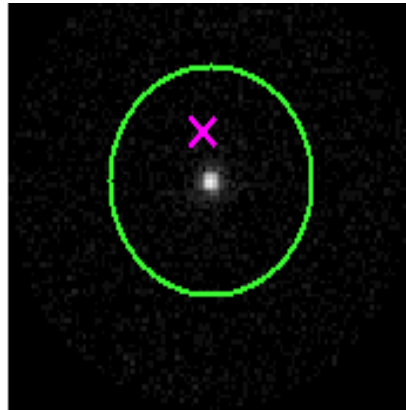


3 Gratings

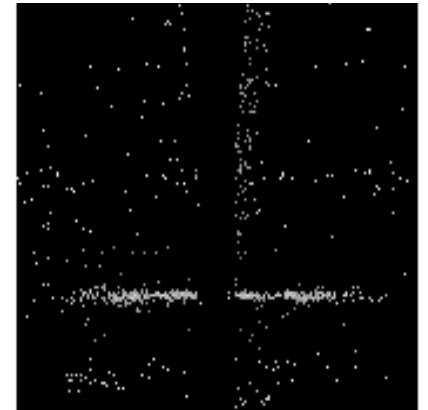
3.1 HEG Arm



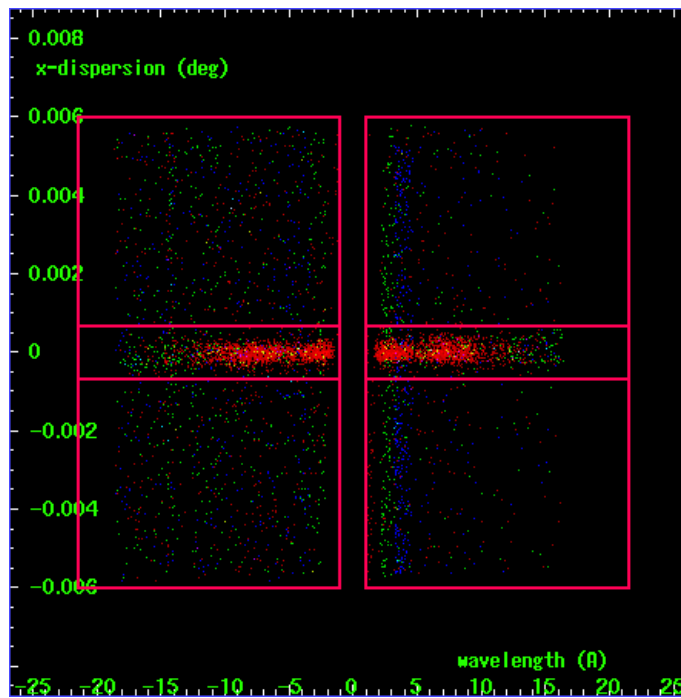
HEG Order Sort 123



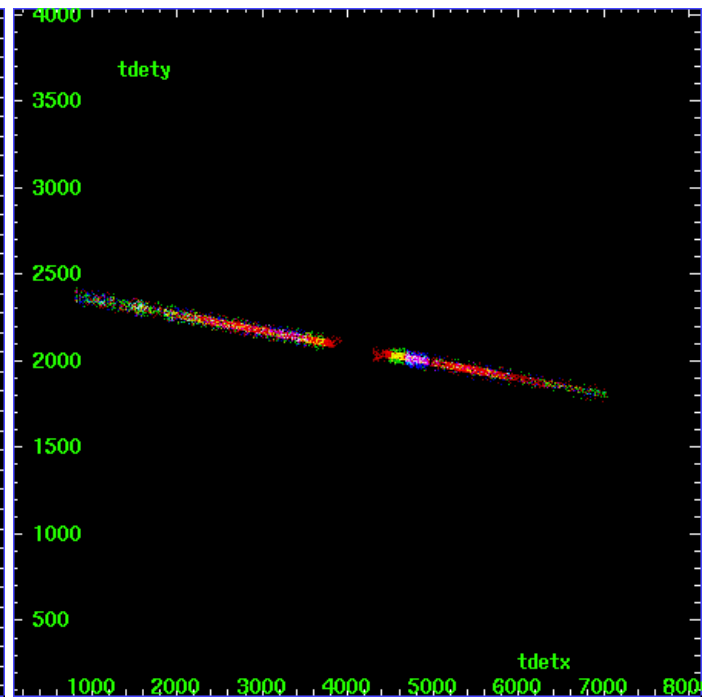
HEG Zero Order



HEG Order Sort ALL

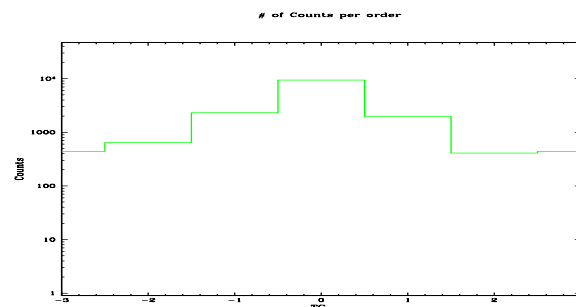


Spot Image HEG

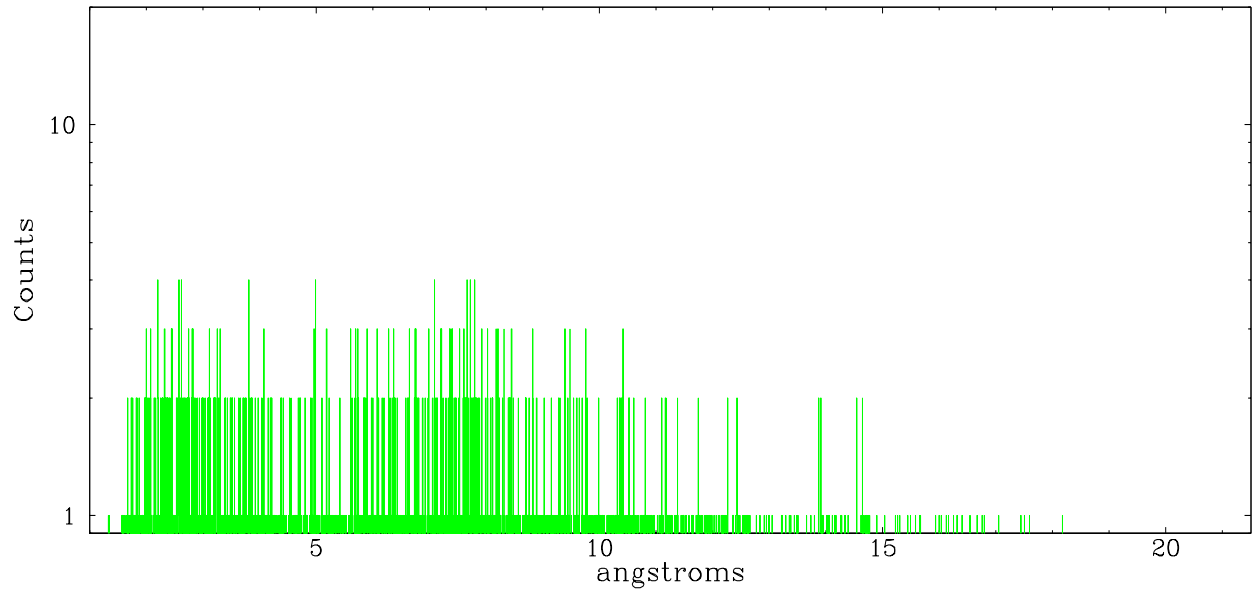


Full Detector HEG

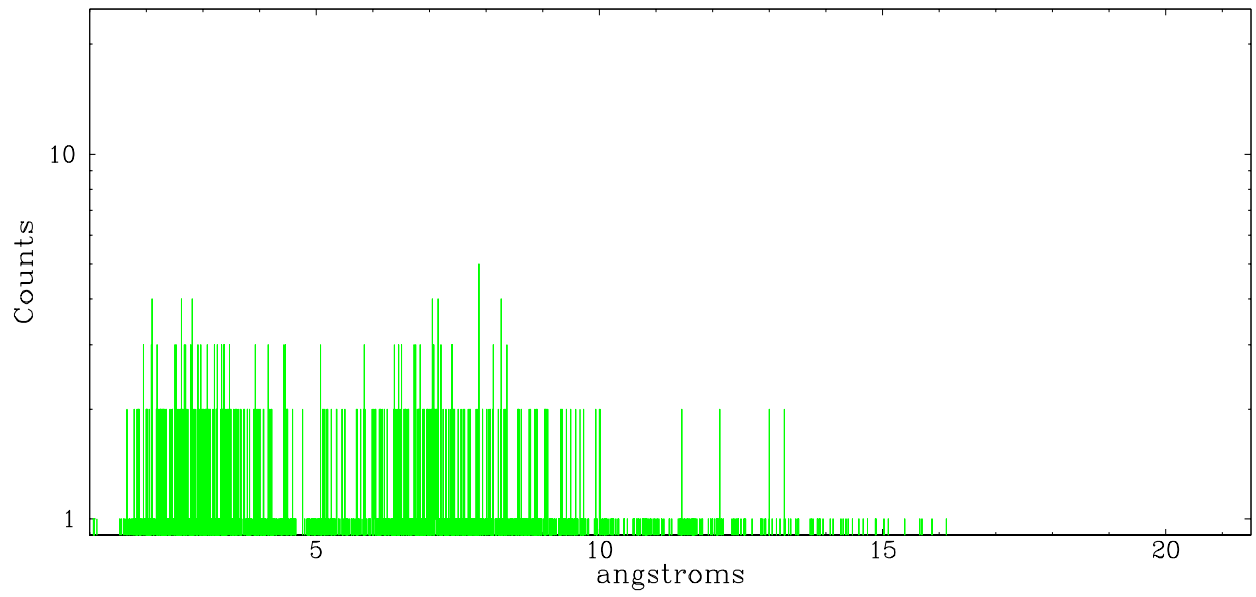
	order -3	order -2	order -1	order 0	order 1	order 2	order 3
Events	441	642	2312	9376	1969	411	441



heg order -1



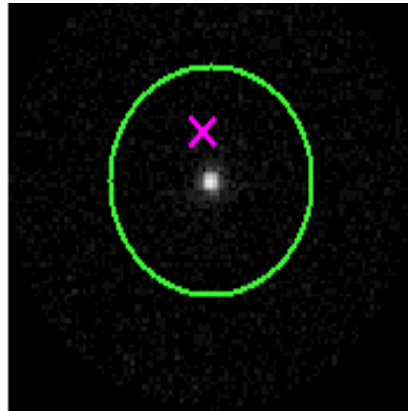
heg order +1



3.2 MEG Arm



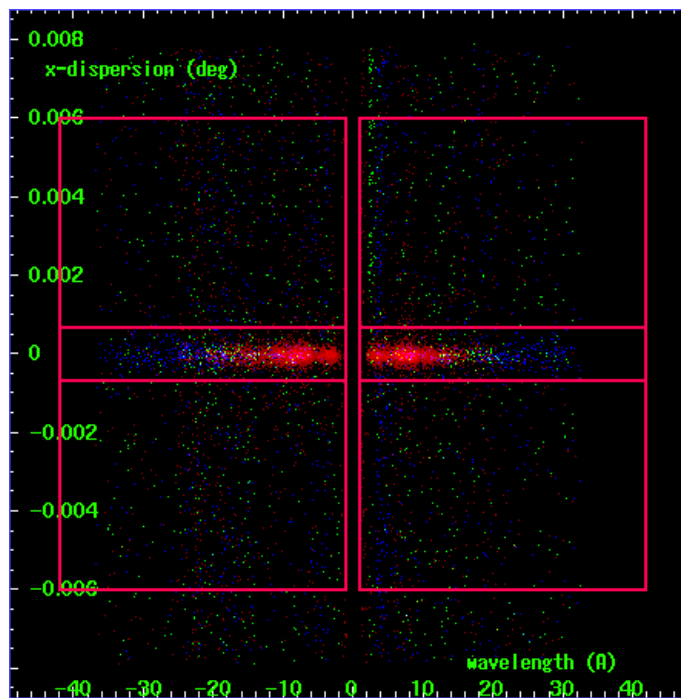
MEG Order Sort 123



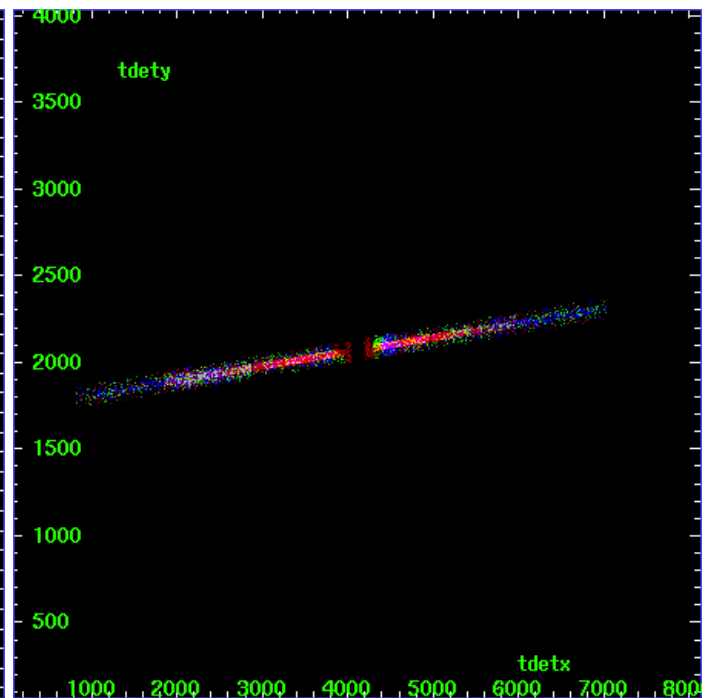
MEG Zero Order



MEG Order Sort ALL

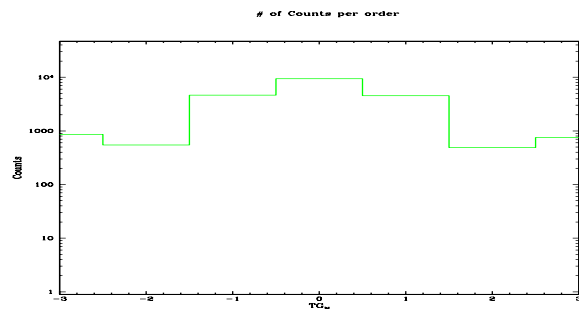


Spot Image MEG

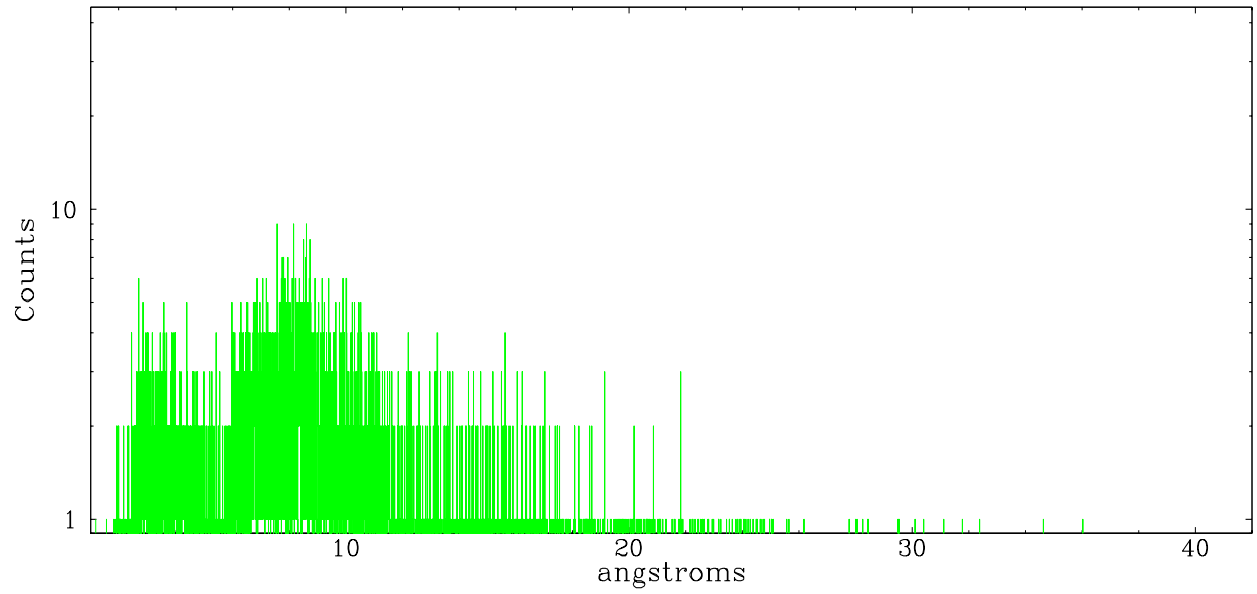


Full Detector MEG

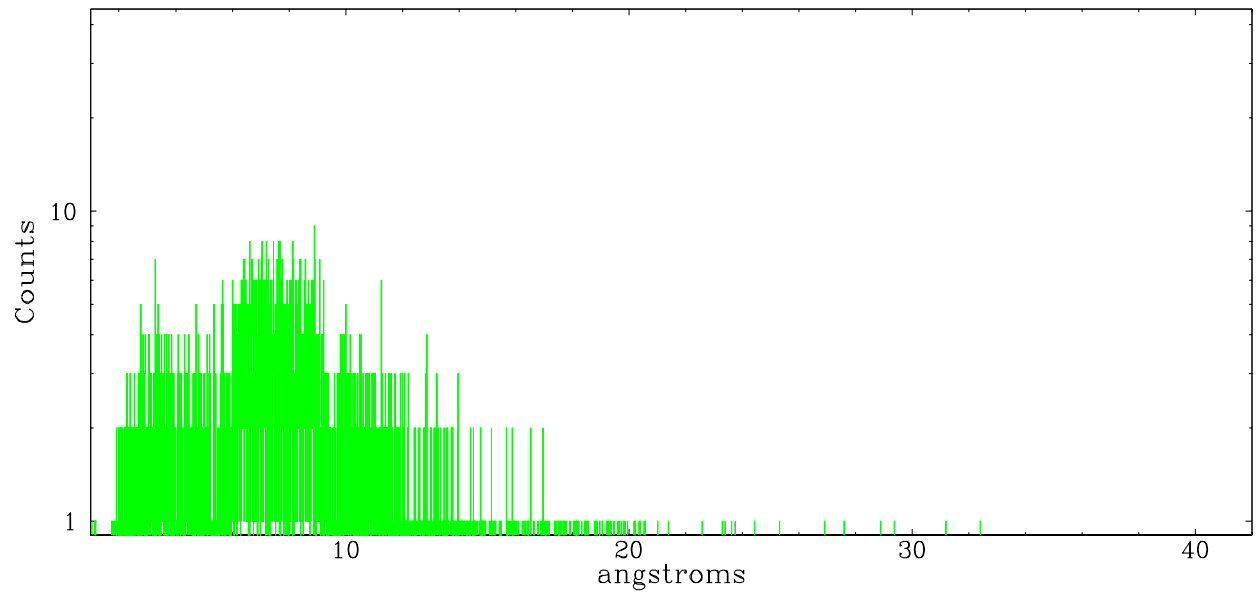
	order -3	order -2	order -1	order 0	order 1	order 2	order 3
Events	862	546	4643	9376	4516	489	754



meg order -1



meg order +1



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.05.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	80.33

A.2 Comments