

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 2420 - L2 Version 002
Chandra X-Ray Center

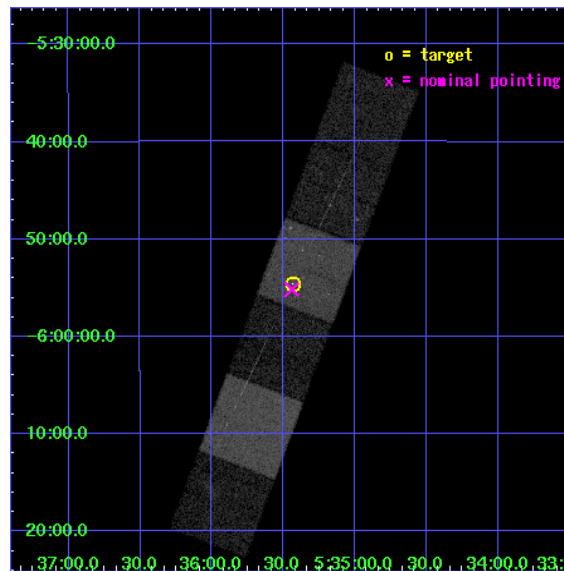
L2 Processing Date : Nov 6 2006

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1 Front

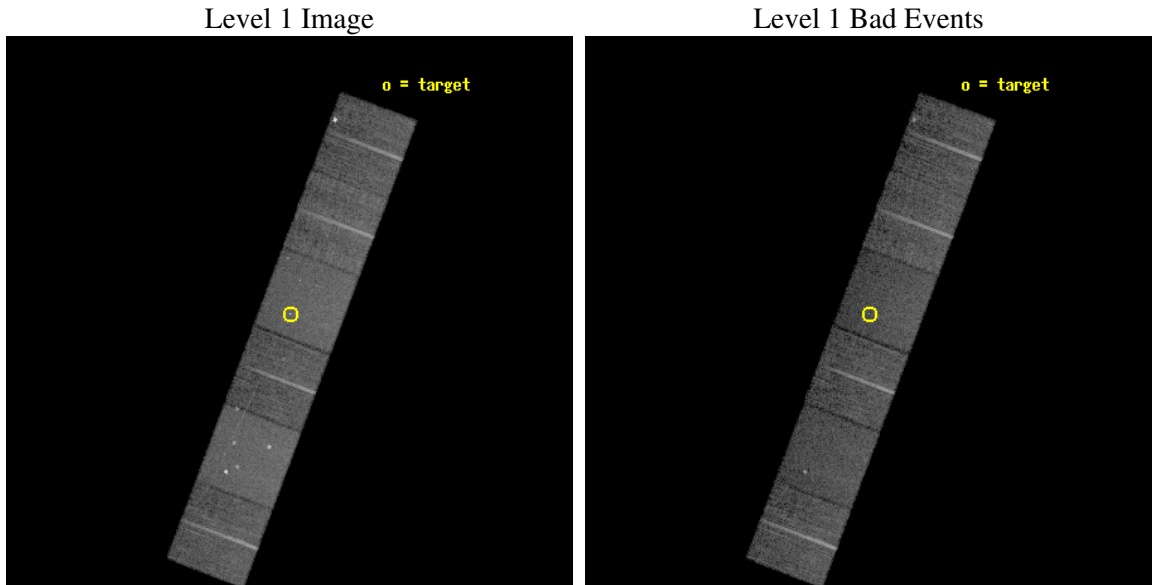
seq_num	200075
obs_id	2420
title	COLLIDING STELLAR WINDS IN IOTA ORIONIS.
observer	Prof. Claude Canizares
object	IOTA ORIONIS
dtcycle	0
cycle	P
ra_targ	83.858333
dec_targ	-5.909722
ra_nom	83.860079613099
dec_nom	-5.9193732145486
roll_nom	290.65669563784
revision	3
ontime	12915.200012028
livetime	12751.659972876
ontime4	12915.200012028
ontime5	12915.200012028
ontime6	12915.200012028
ontime7	12915.200012028
ontime8	12915.200012028
ontime9	12915.200012028
l2events	128170



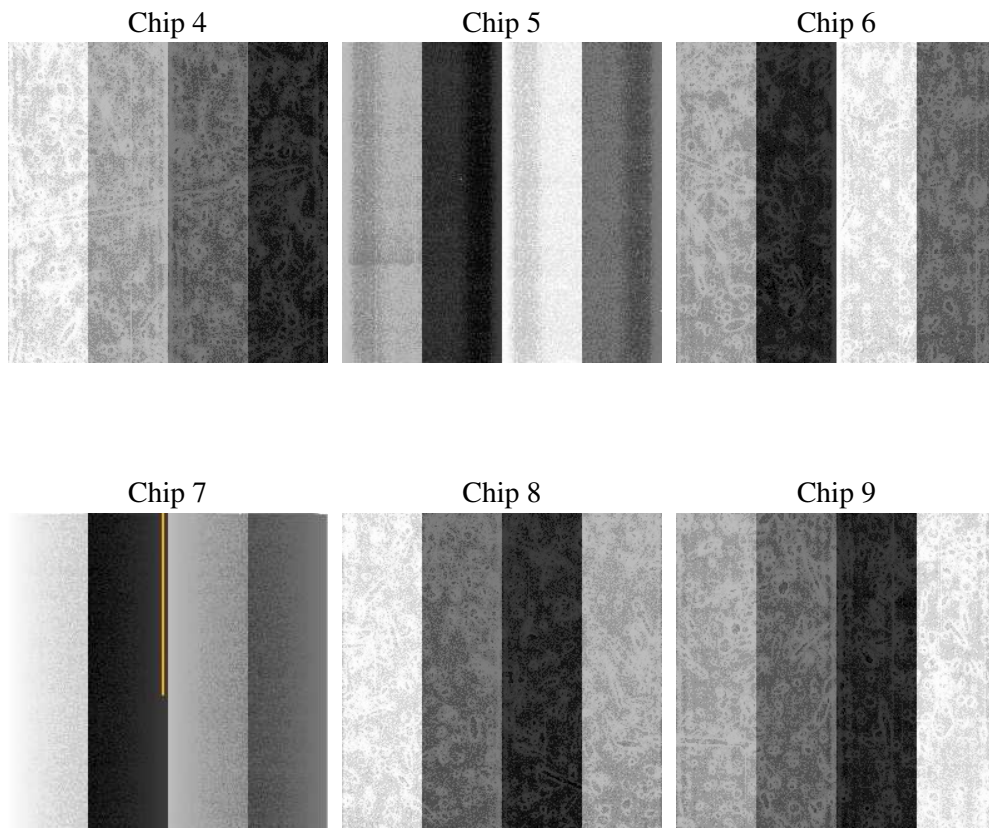
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-11-06T15:41:06
revision	3

sched_exp_time	12790.000000
ontime	12918.621857822
ontime4	12918.621857822
ontime5	12918.621857822
ontime6	12918.621857822
ontime7	12918.621857822
ontime8	12918.621857822
ontime9	12918.621857822
l1events	584164

2.1.4 Events

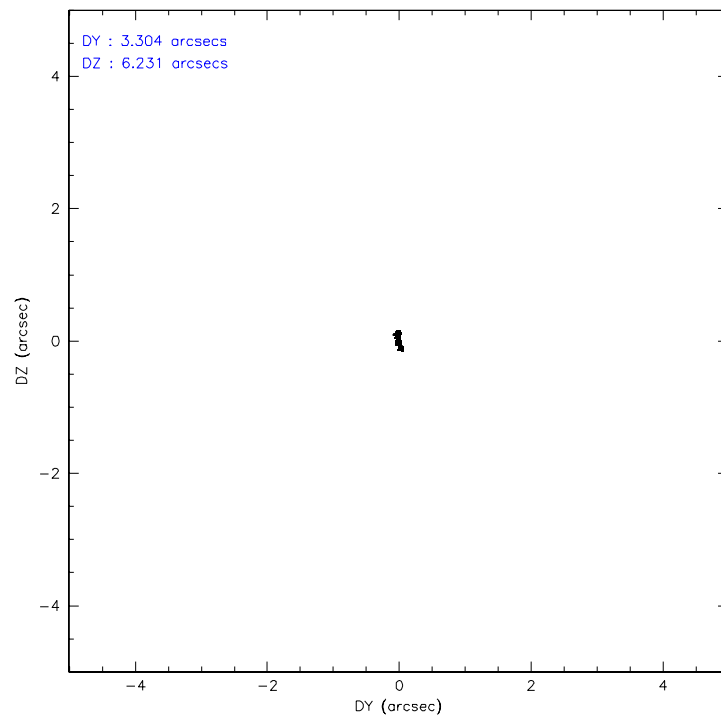
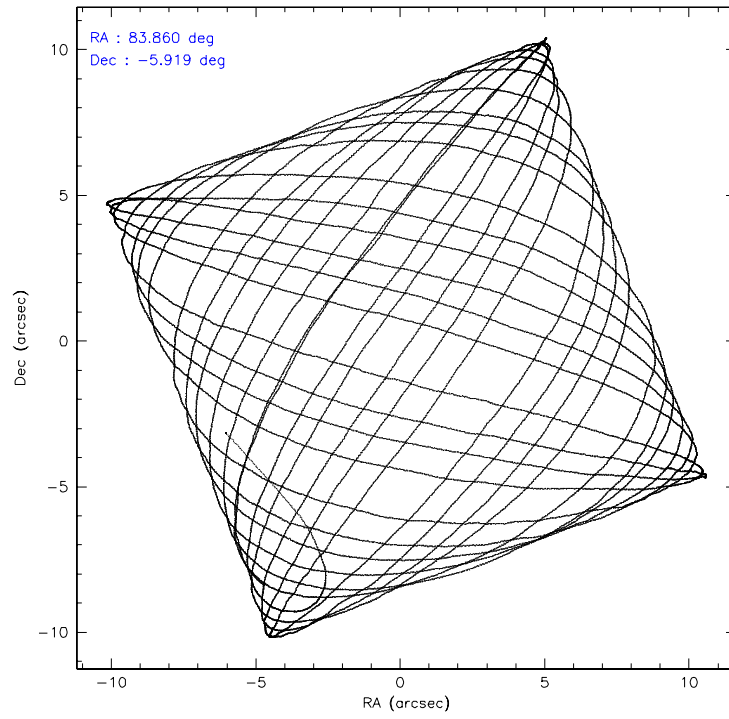
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	89283	117084	83258	105009	103336	86194
rejected events	78120	63350	72382	63195	81609	71329
rejected %	87%	54%	86%	60%	78%	82%

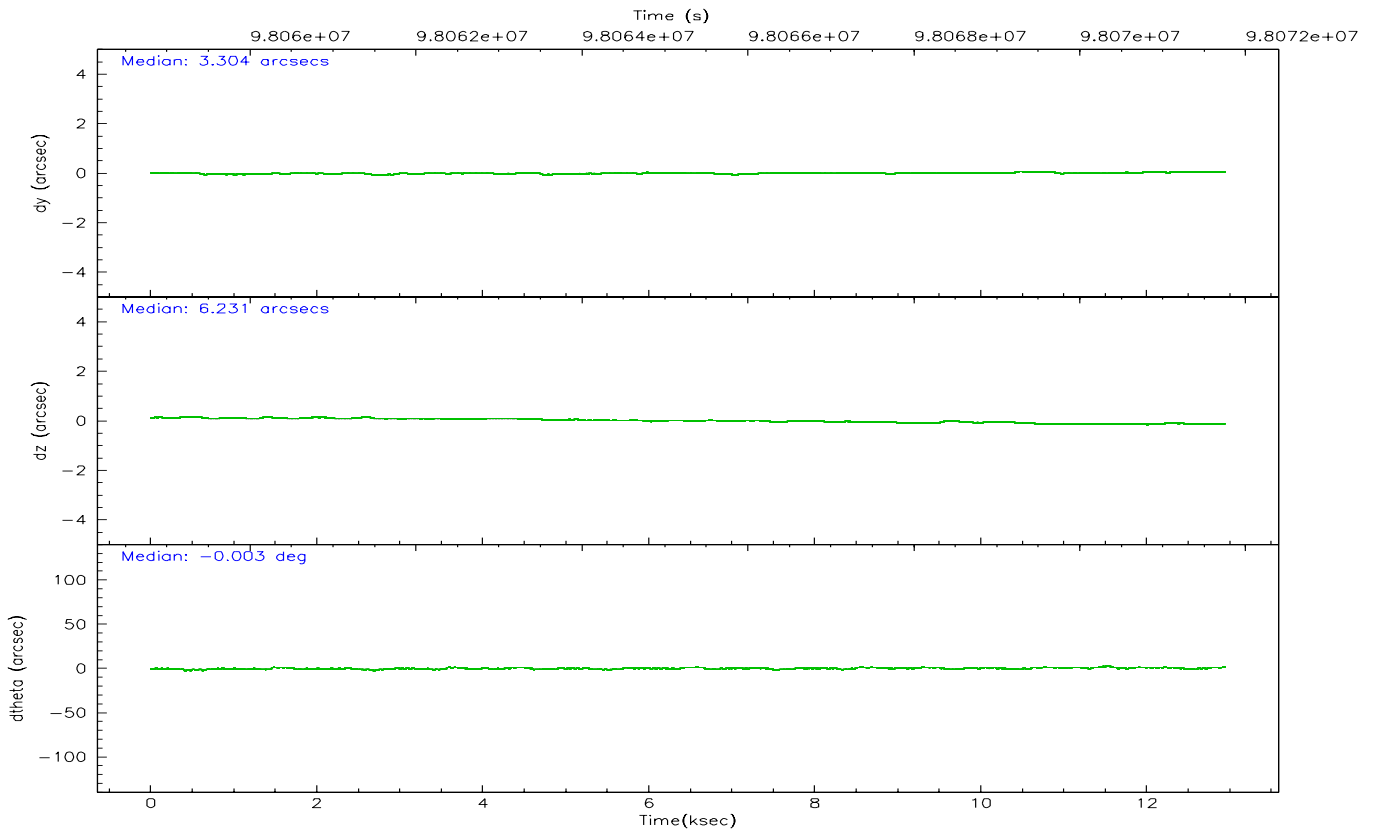
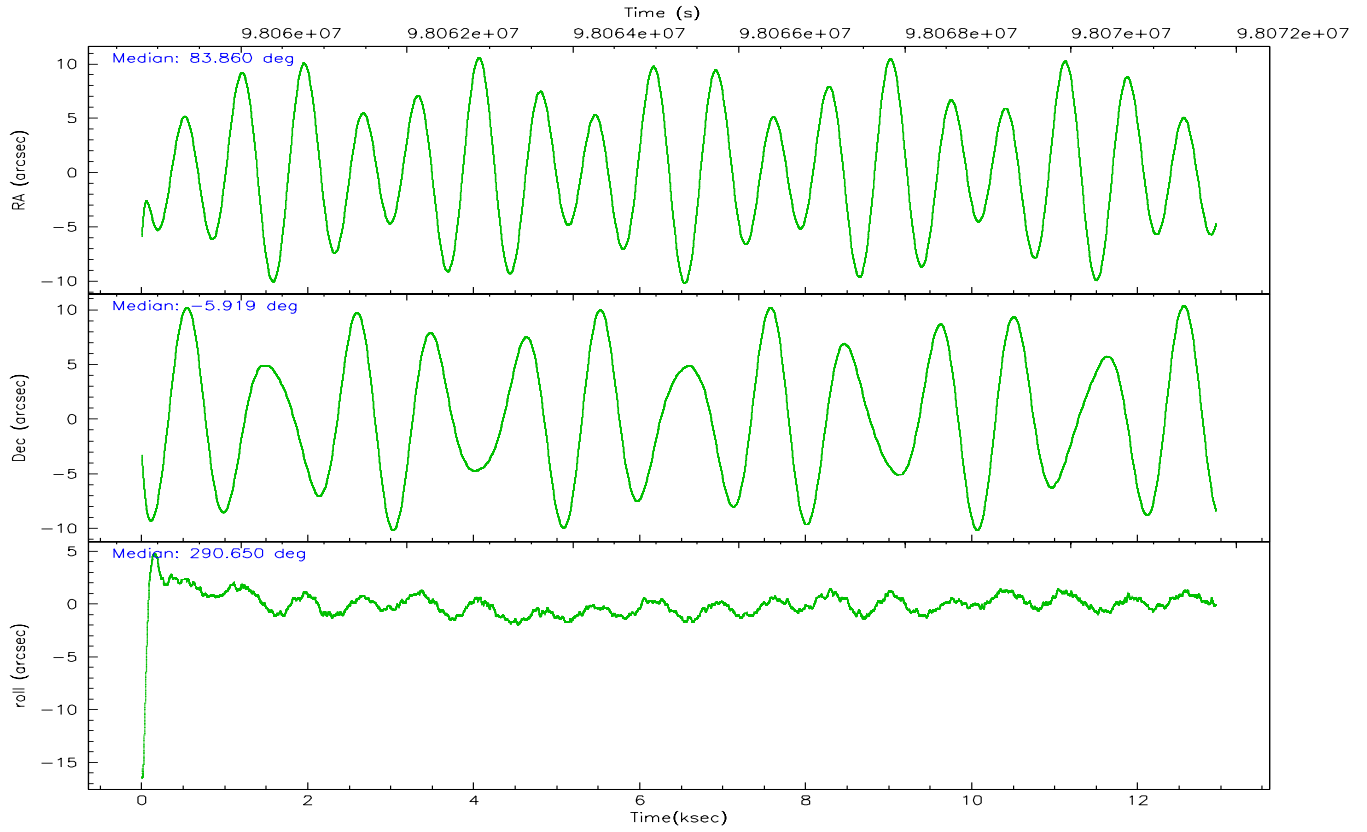
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	4836	7139	4793	3220	7973	8657
	5%	6%	5%	3%	7%	10%
grade 1 events	39	619	45	99	69	388
	0%	0%	0%	0%	0%	0%
grade 2 events	2617	15732	2045	10440	4384	2024
	2%	13%	2%	9%	4%	2%
grade 3 events	970	1221	988	2396	2205	1013
	1%	1%	1%	2%	2%	1%
grade 4 events	877	1185	994	2395	2067	1071
	0%	1%	1%	2%	2%	1%
grade 5 events	2913	5483	3291	7017	4329	3448
	3%	4%	3%	6%	4%	4%
grade 6 events	1865	28475	2058	23374	5101	2104
	2%	24%	2%	22%	4%	2%
grade 7 events	75166	57230	69044	56068	77208	67489
	84%	48%	82%	53%	74%	78%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	83.838716	83.86007961309947	Subarray requested	NONE	NONE
Pointing Dec	-5.902250	-5.919373214548592	Alternating exposures requested	N	N
Pointing Roll	290.497883	290.6566956378399	Primary exposure time	0.000000	3.2
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-187.132523	-187.1228876879999			
SIM translation stage offset (mm)	-3	-3.009634895007935			
Observation start time	98058964.184000	98057900.943047			
Observation start date	2001-02-08T22:35:00	2001-02-08T22:18:20			
Observation end time	98071754.184000	98072702.96861701			
Observation end date	2001-02-09T02:08:10	2001-02-09T02:25:02			
Read mode	TIMED	TIMED			

2.3 Aspect



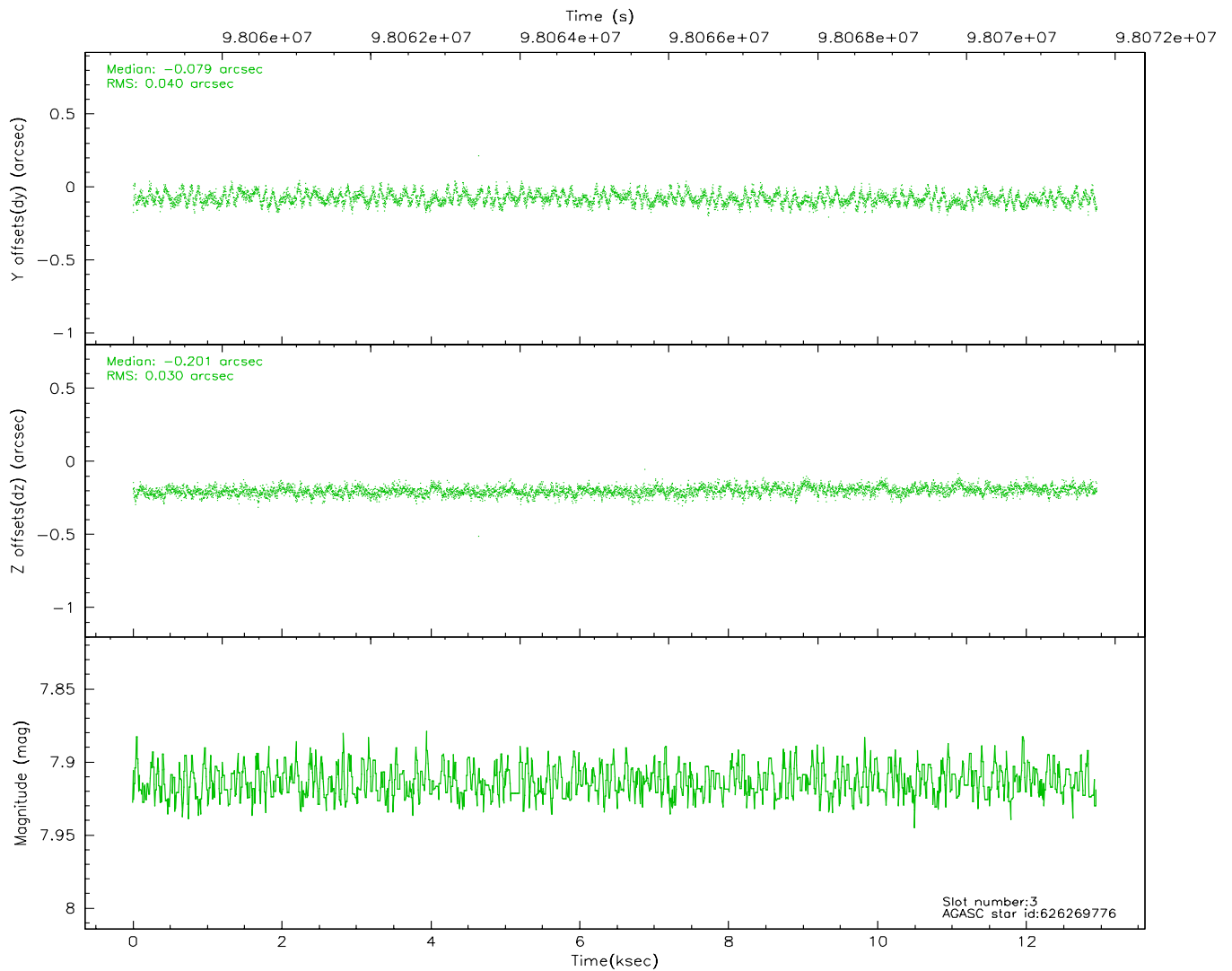
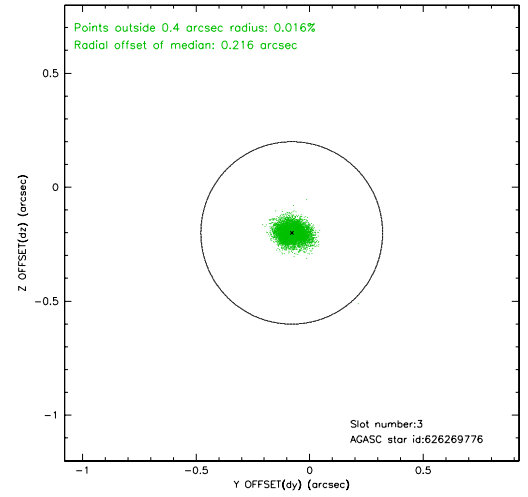
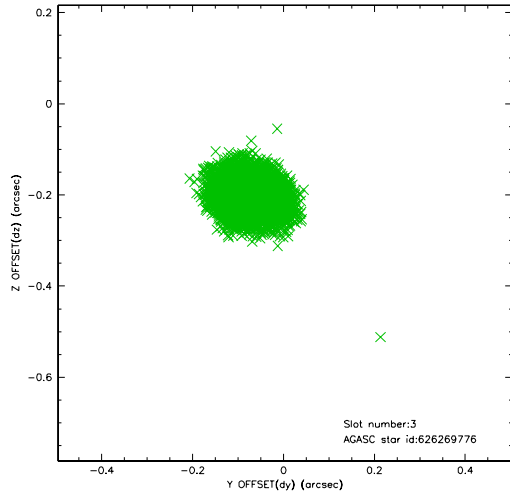


Slot Statistics

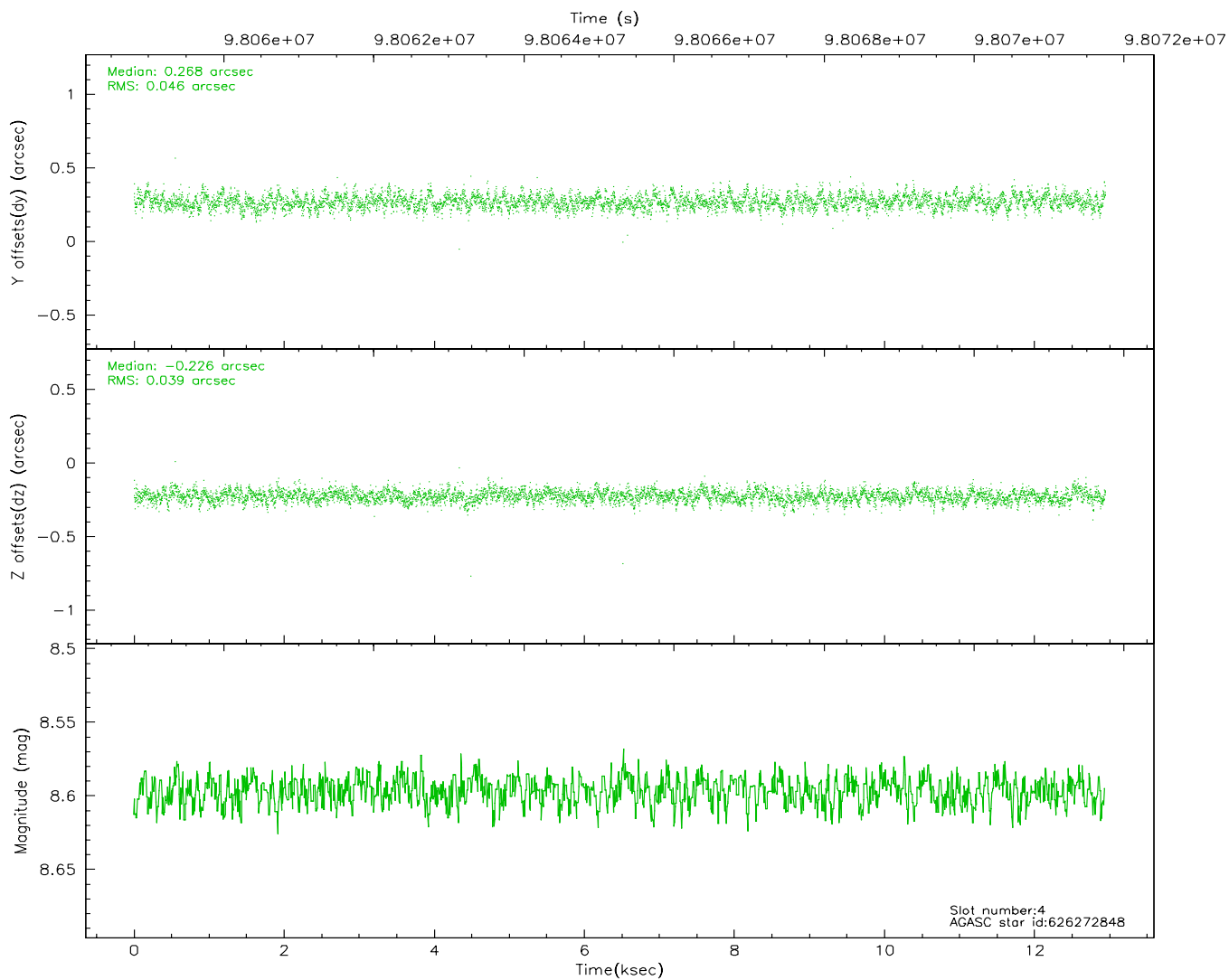
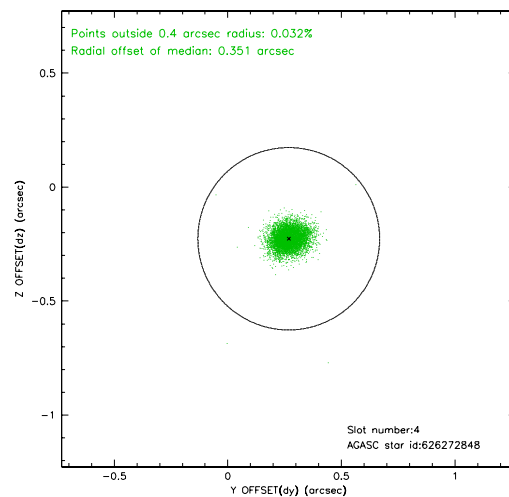
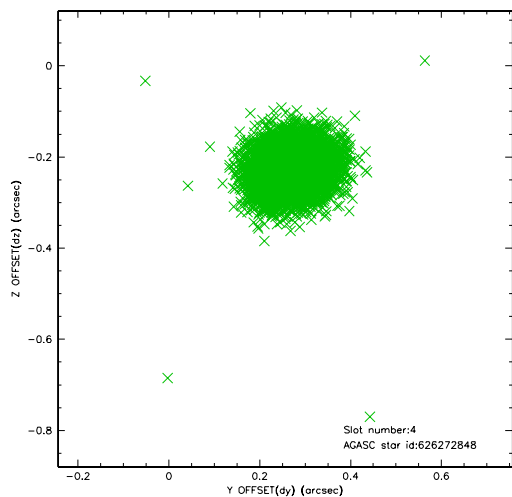
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	3157	-0.005	-0.030	0.011	0.021	0.000000	0.000000	-755.77	-1789.54
1	FID	ACIS-S-4	7.19	3157	-0.049	0.010	0.006	0.011	0.000000	0.000000	2157.31	118.54
2	FID	ACIS-S-5	7.23	3158	0.024	0.027	0.012	0.020	0.000000	0.000000	-1808.08	112.70
3	GUIDE	626269776	7.91	6314	-0.079	-0.201	0.052	0.086	83.358607	-6.532867	1525.99	-2403.76
4	GUIDE	626272848	8.60	6314	0.268	-0.226	0.062	0.103	84.129003	-6.453841	2224.21	276.92
5	GUIDE	626272880	7.66	6315	0.177	-0.039	0.068	0.108	83.815609	-6.032748	411.47	-241.92
6	GUIDE	625744200	8.29	6314	-0.065	0.143	0.057	0.091	83.695760	-5.570729	-1297.37	-61.91
7	GUIDE	626398088	8.99	6306	-0.304	0.326	0.072	0.119	84.581490	-6.133042	1710.06	2199.37

2.4 Star Slots

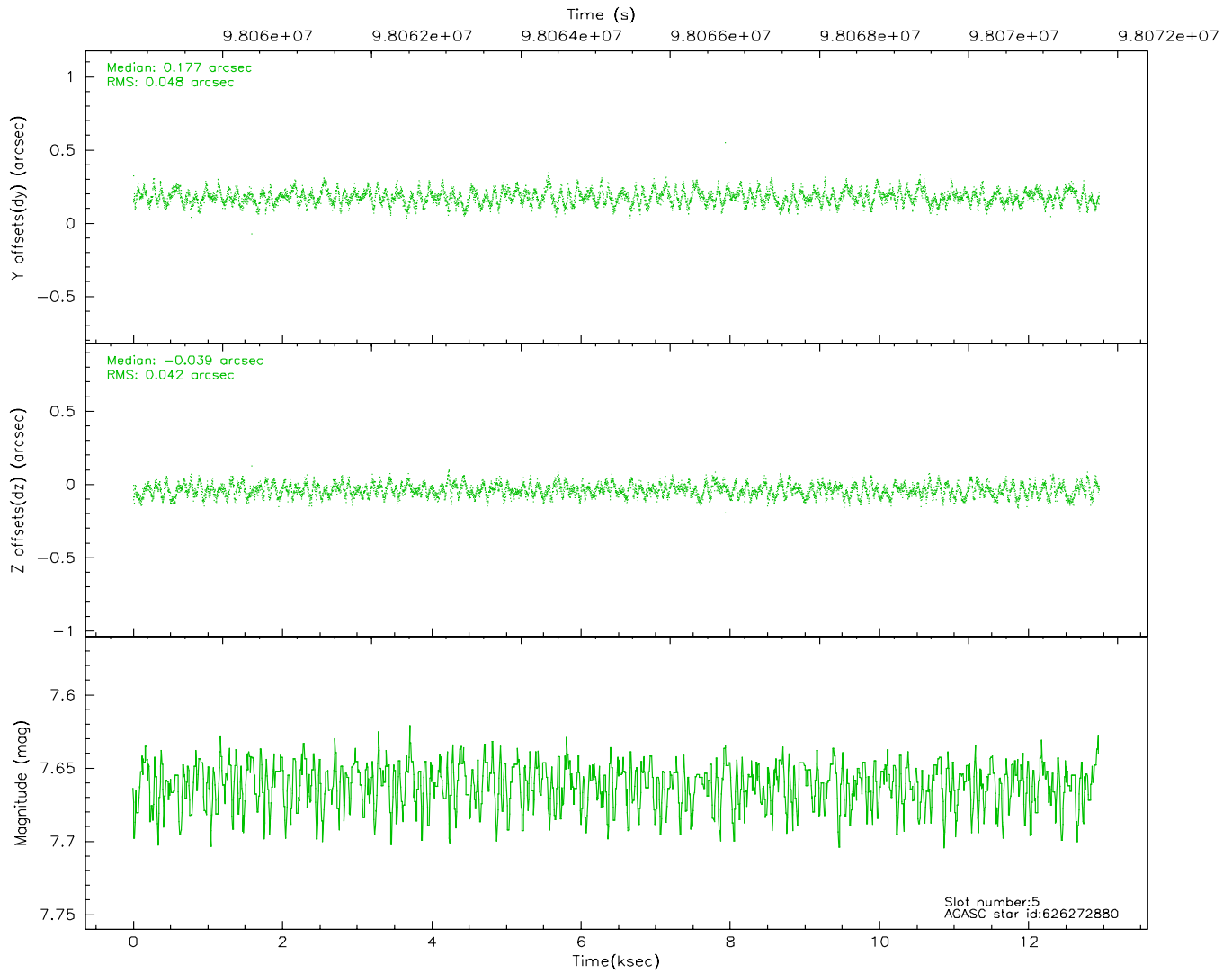
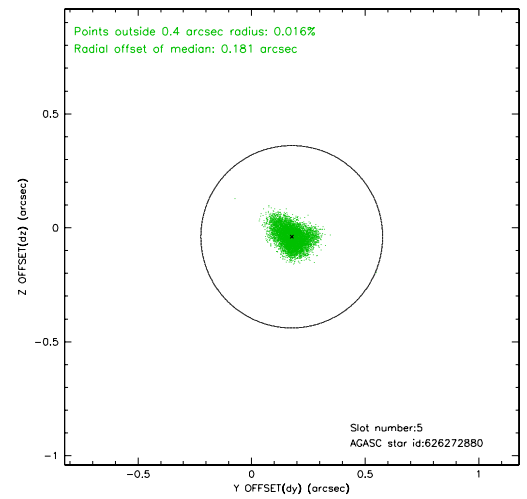
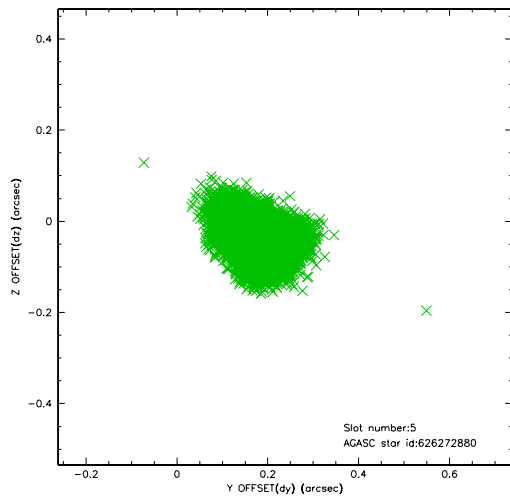
2.4.1 Slot 3



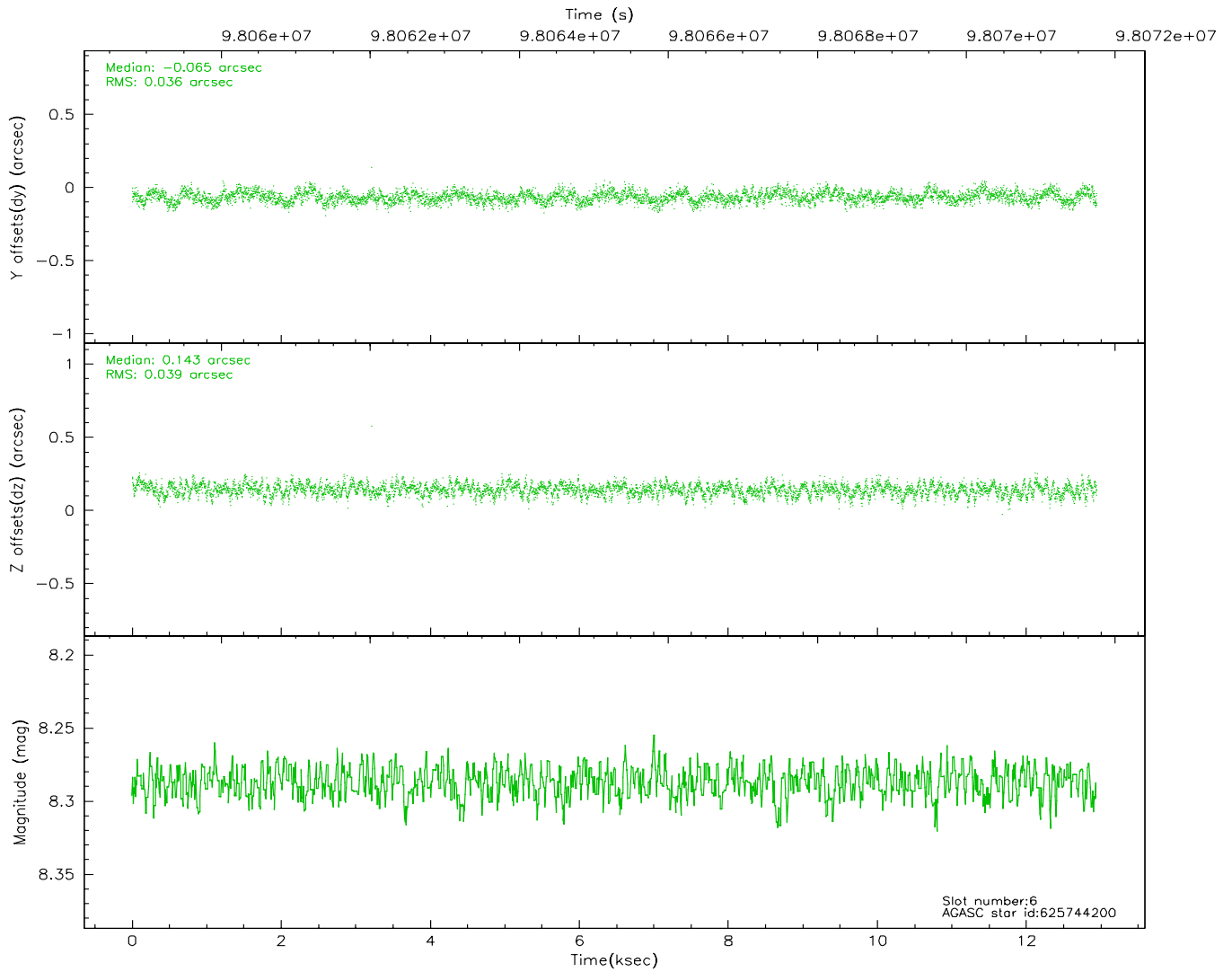
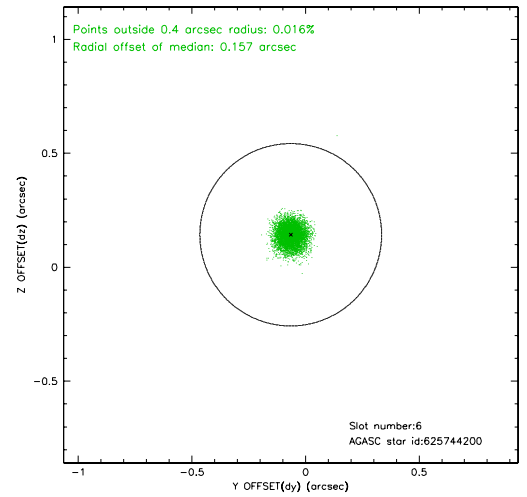
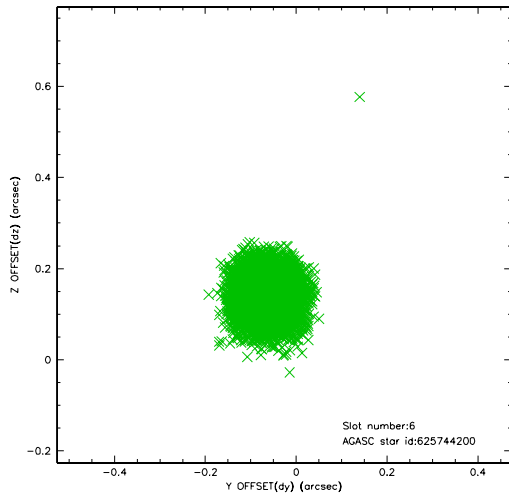
2.4.2 Slot 4



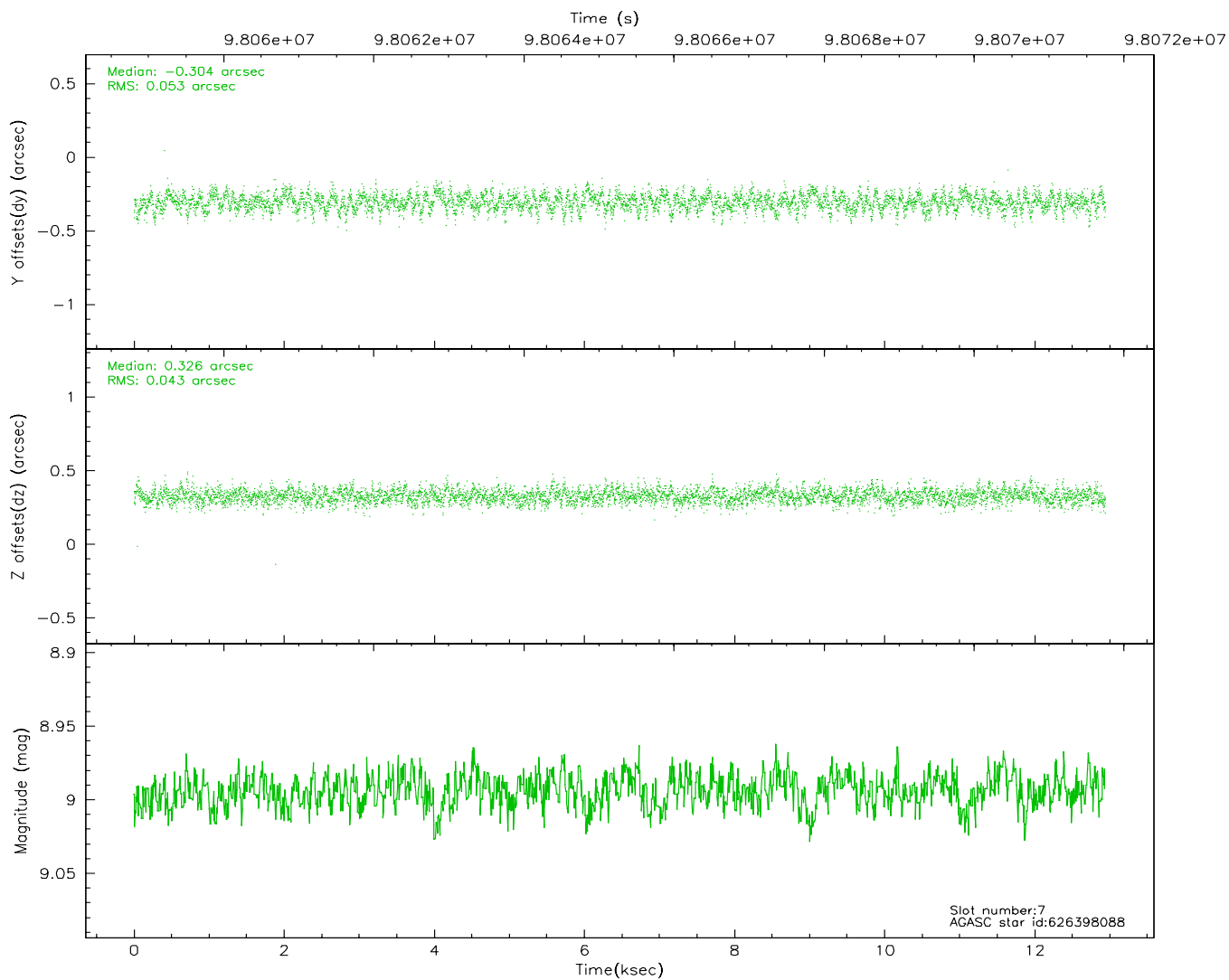
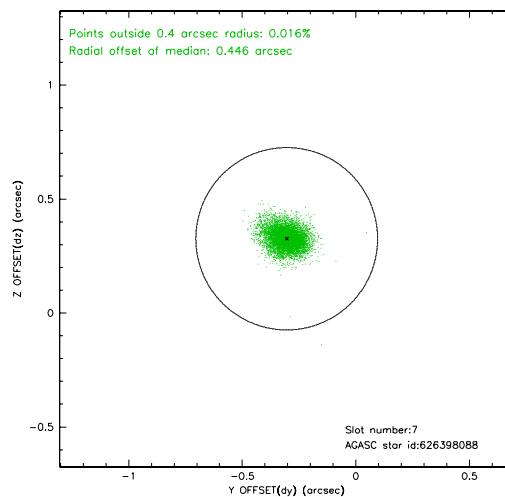
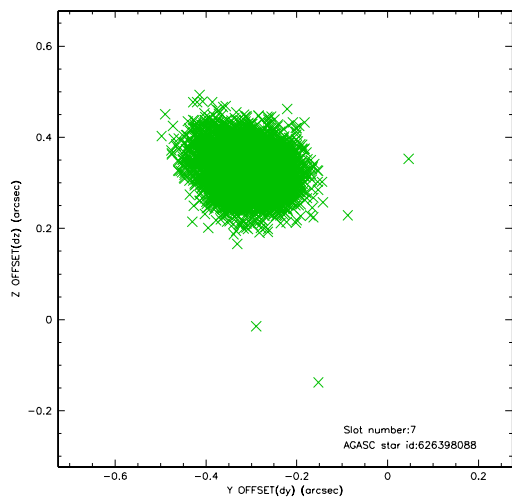
2.4.3 Slot 5



2.4.4 Slot 6

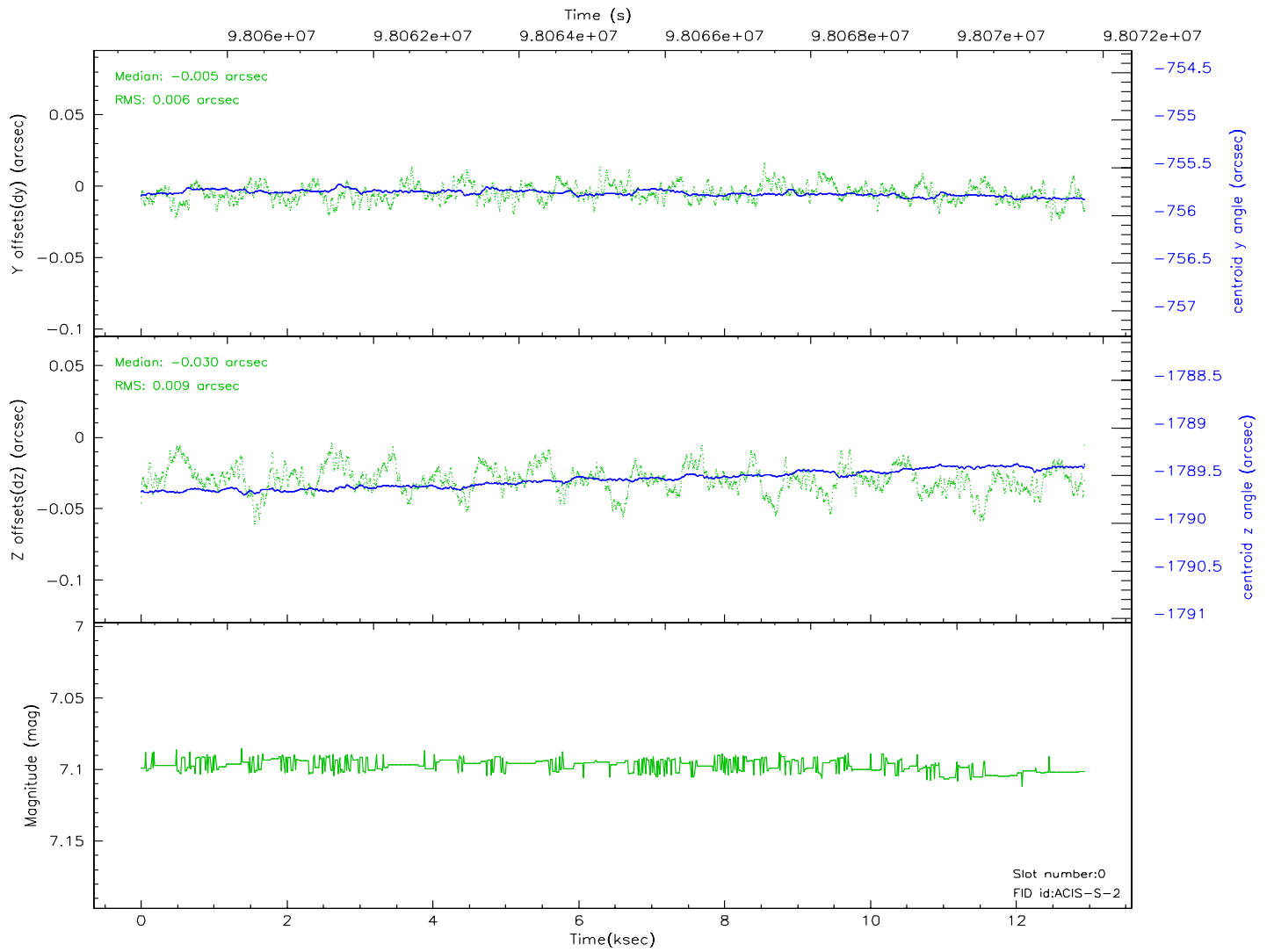
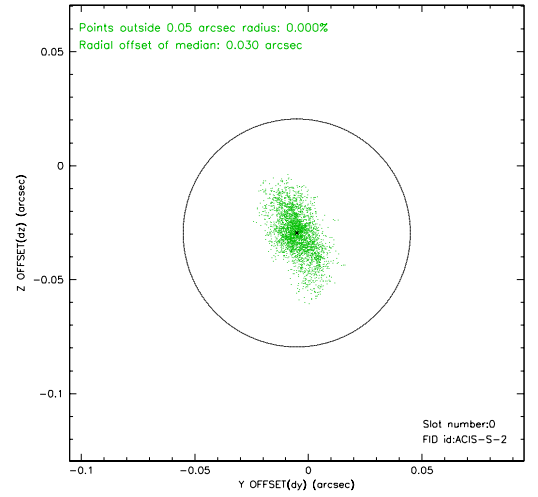
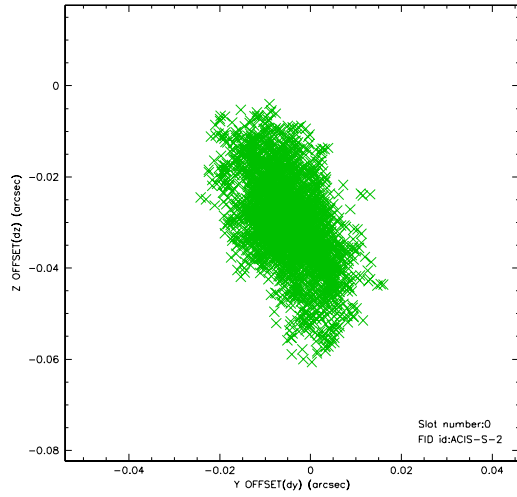


2.4.5 Slot 7

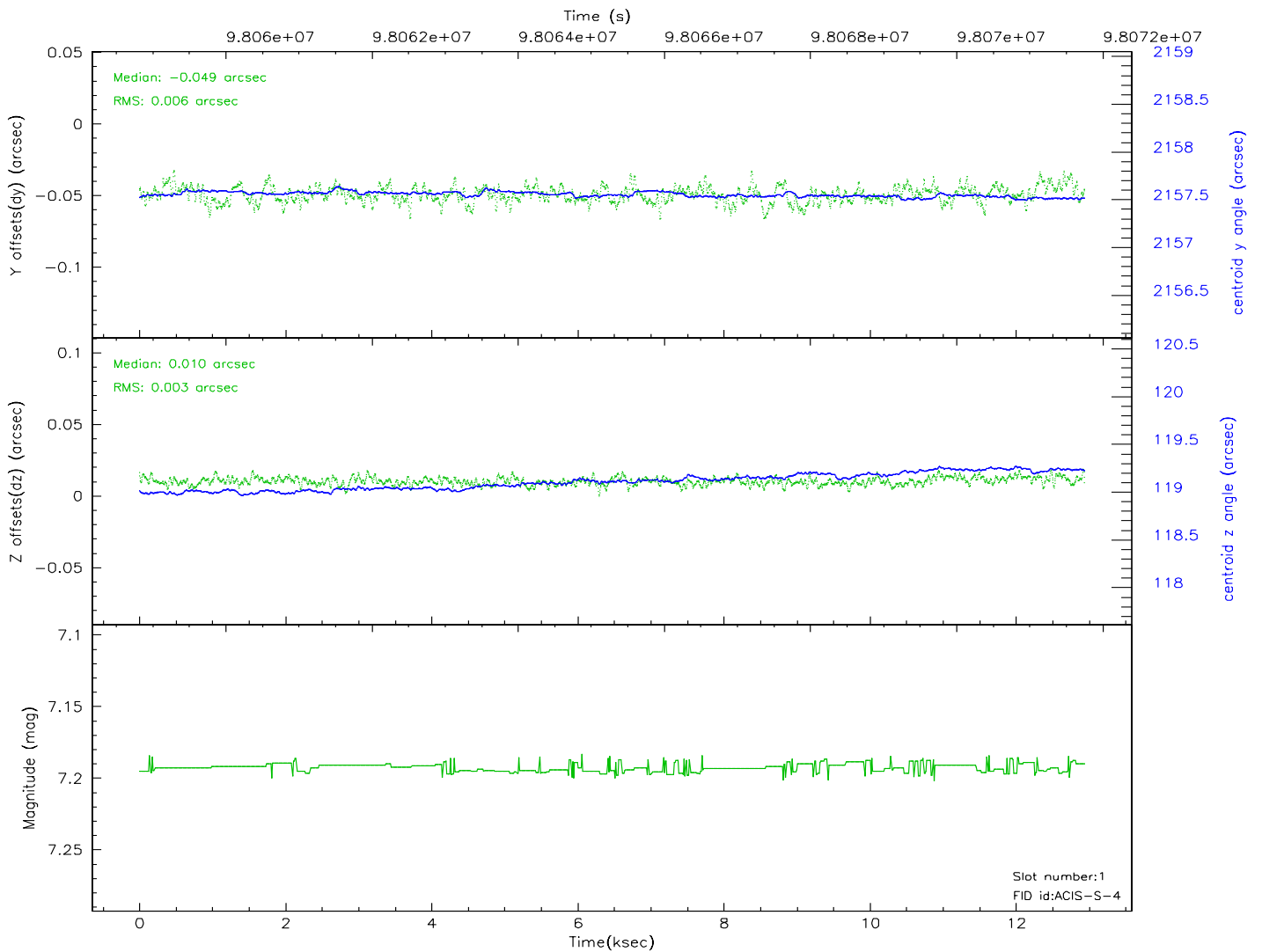
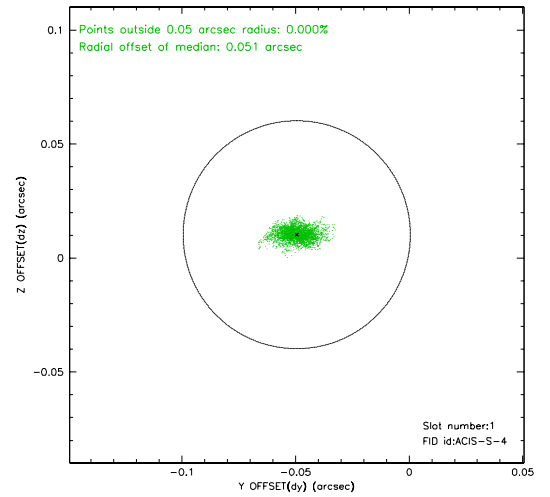
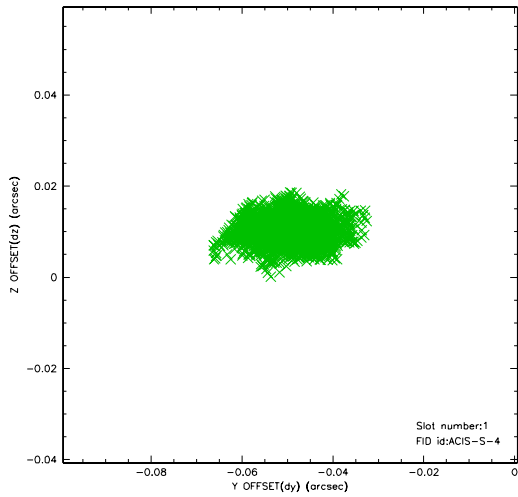


2.5 FID Slots

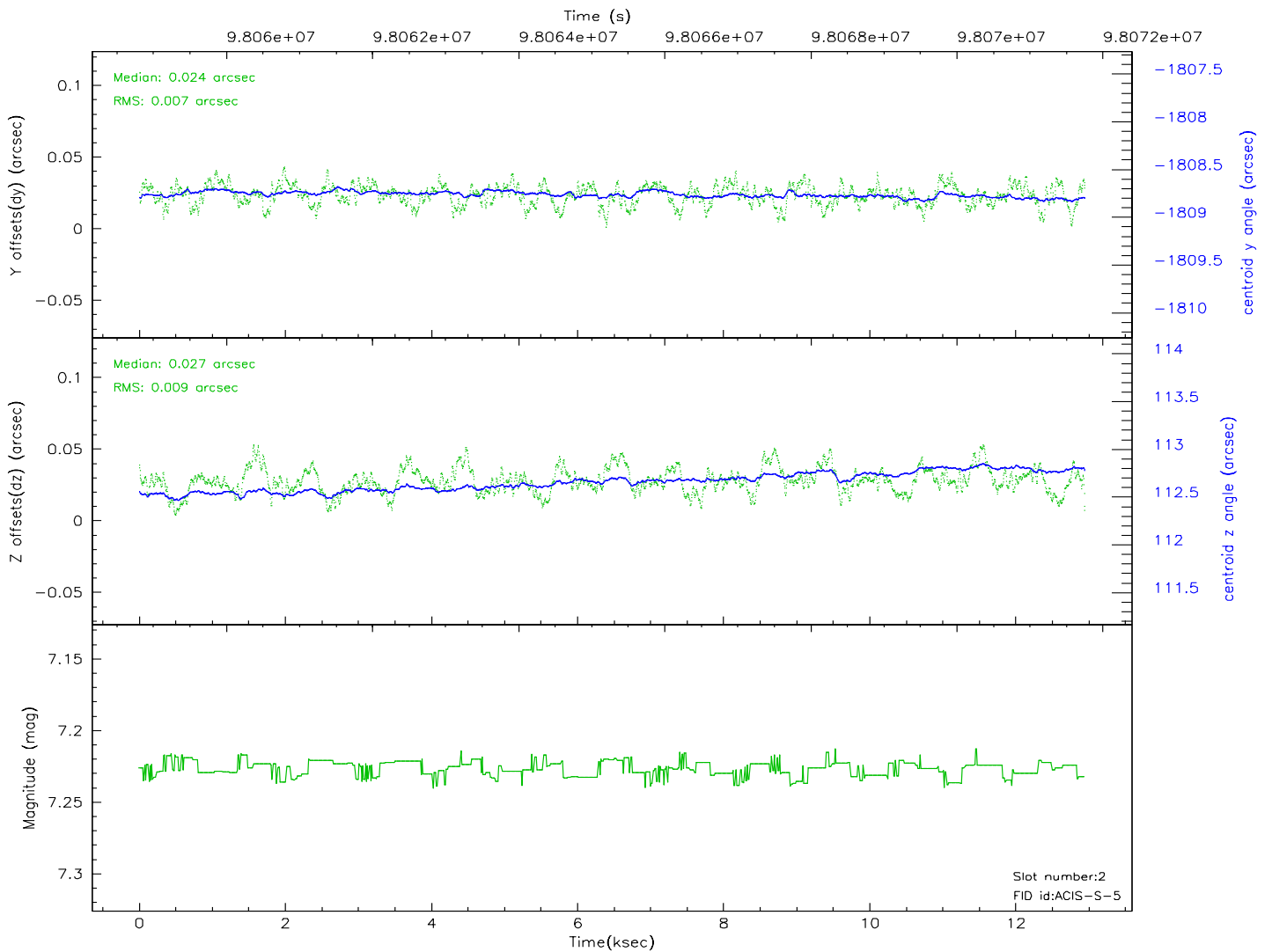
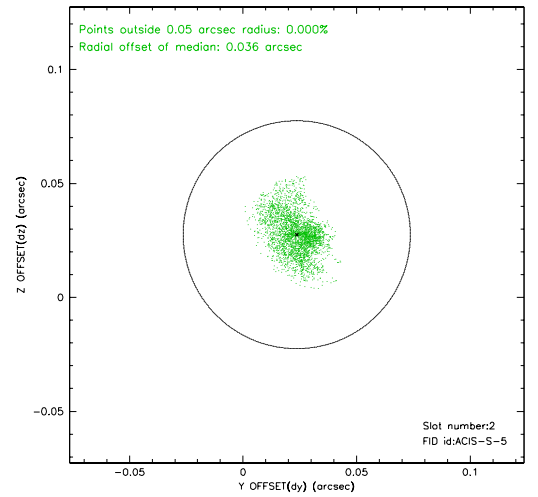
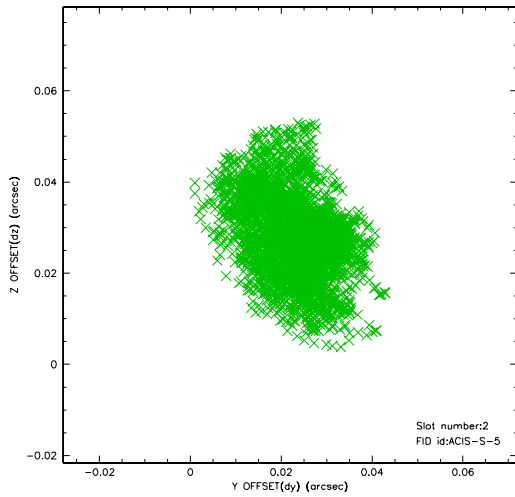
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2

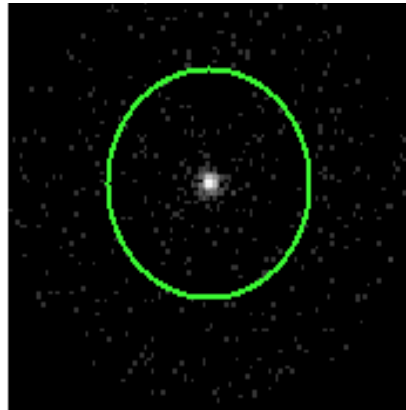


3 Gratings

3.1 HEG Arm



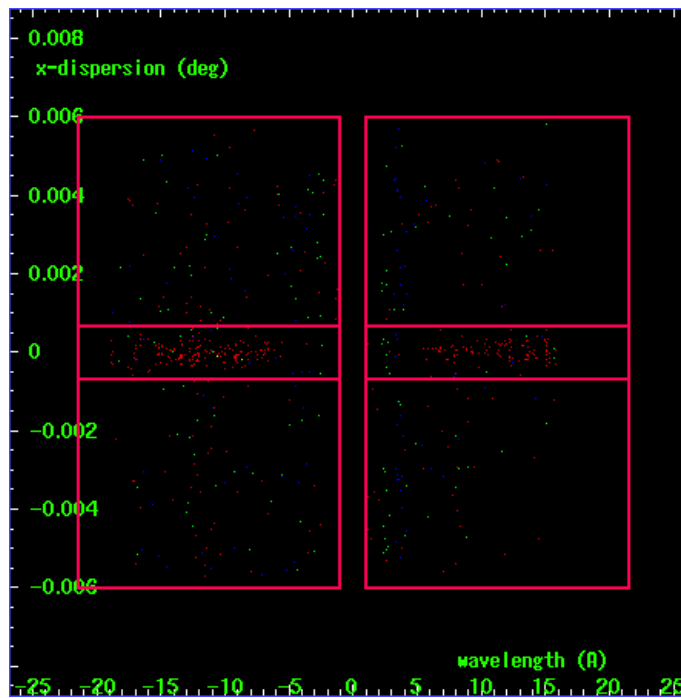
HEG Order Sort 123



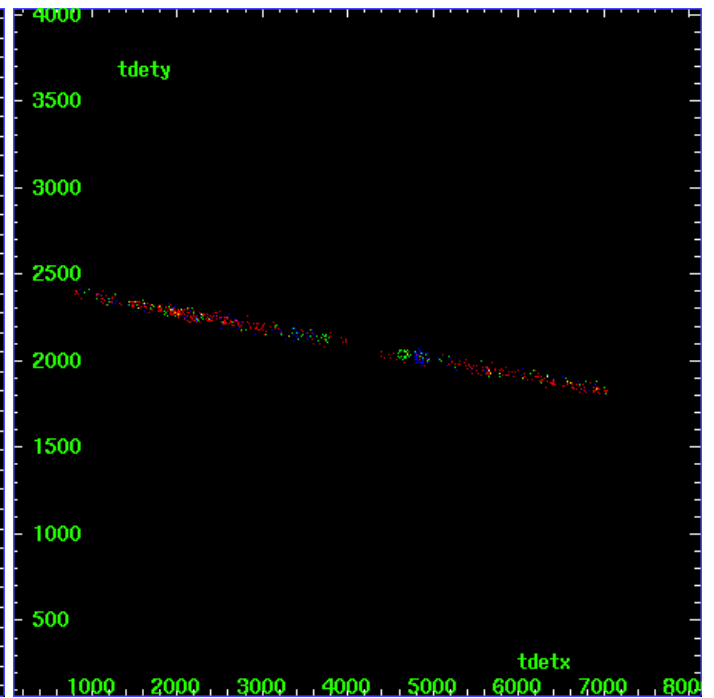
HEG Zero Order



HEG Order Sort ALL

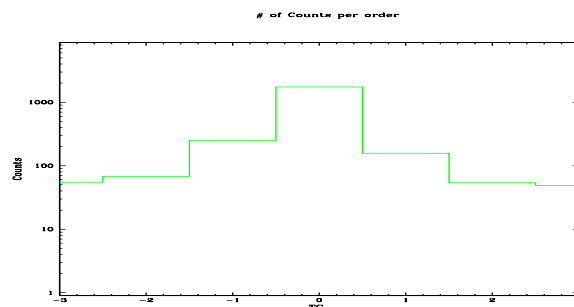


Spot Image HEG

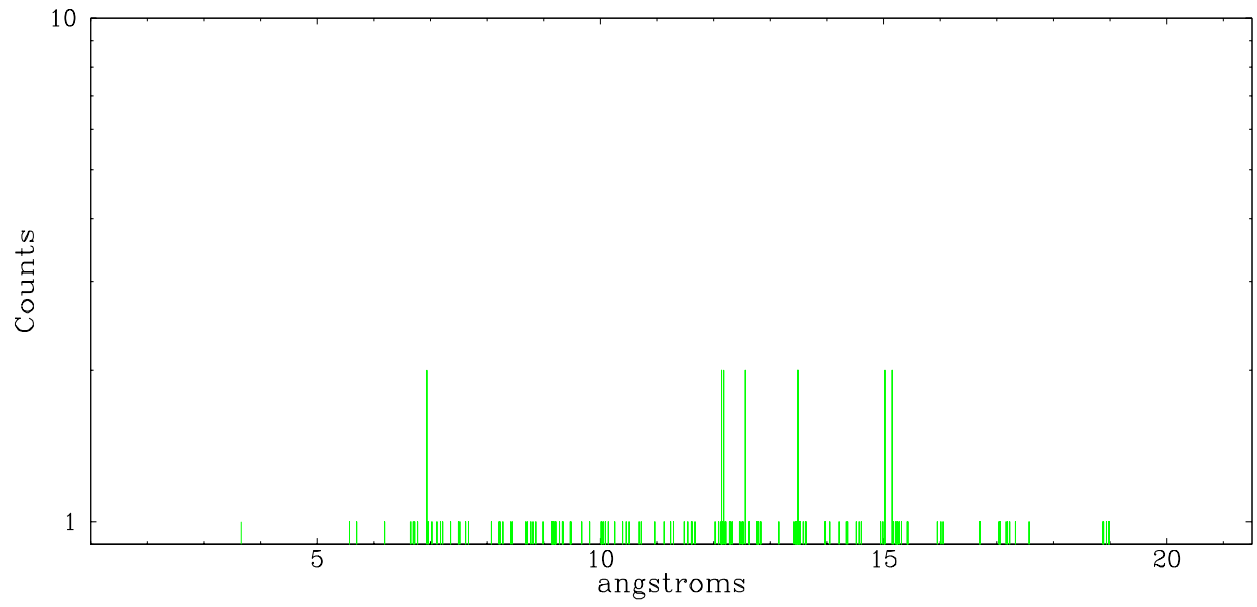


Full Detector HEG

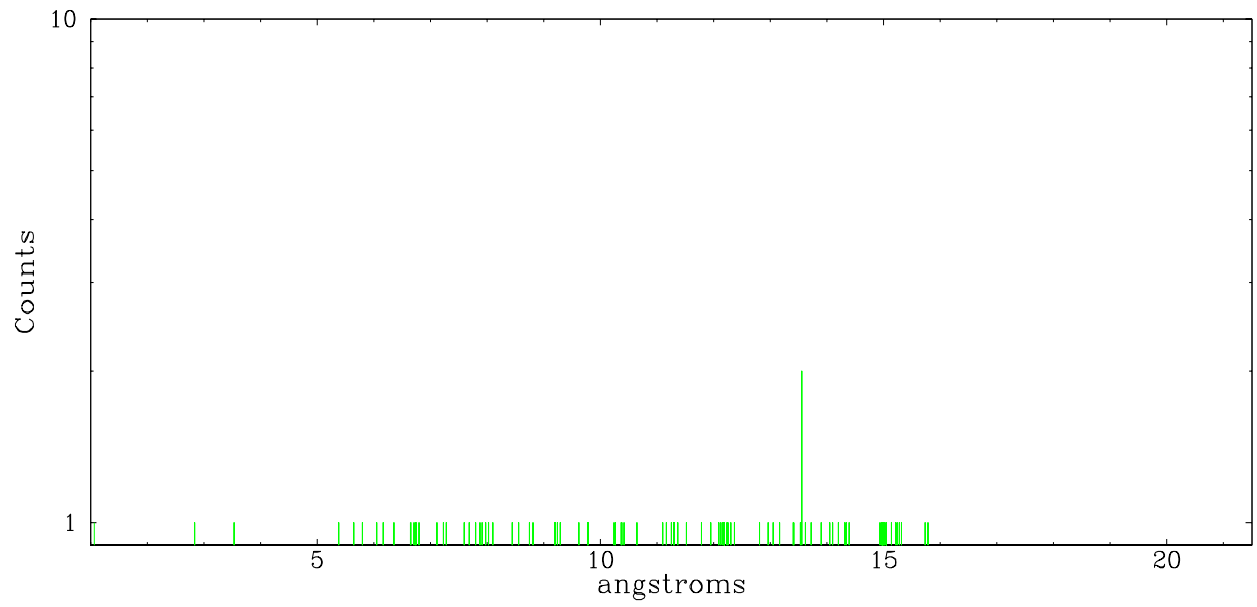
	order -3	order -2	order -1	order 0	order 1	order 2	order 3
Events	55	68	251	1738	157	54	49



heg order -1



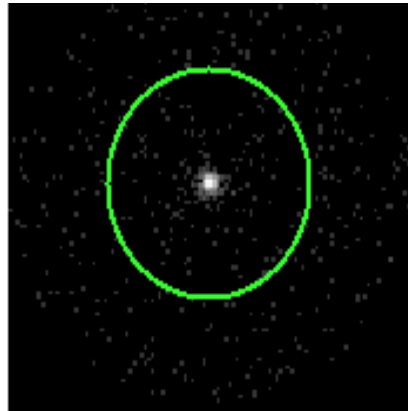
heg order +1



3.2 MEG Arm



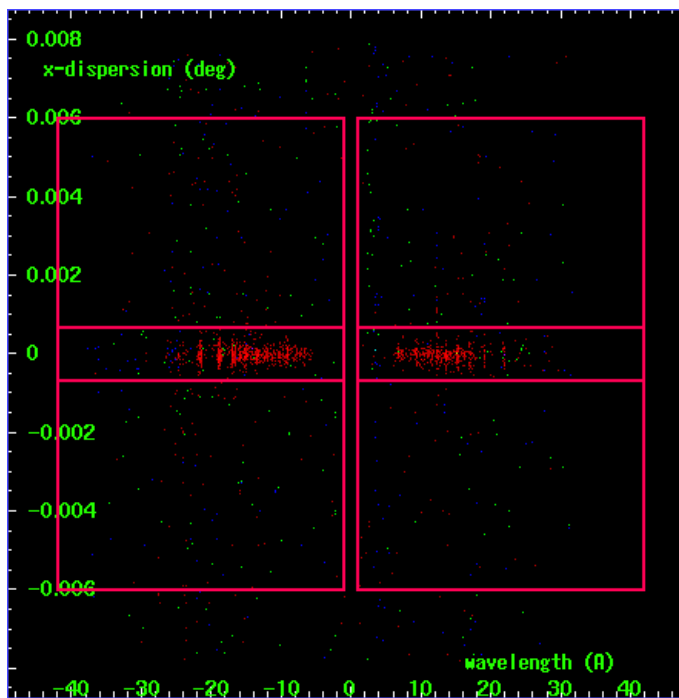
MEG Order Sort 123



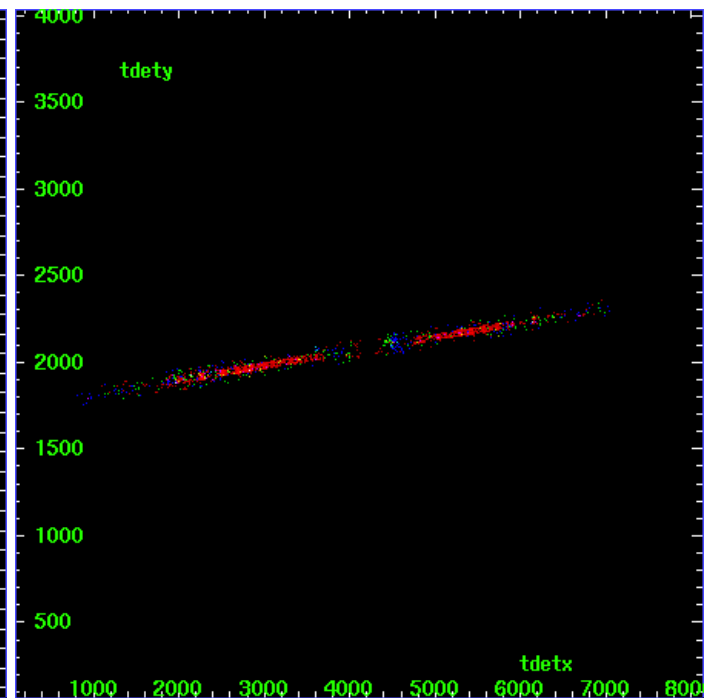
MEG Zero Order



MEG Order Sort ALL

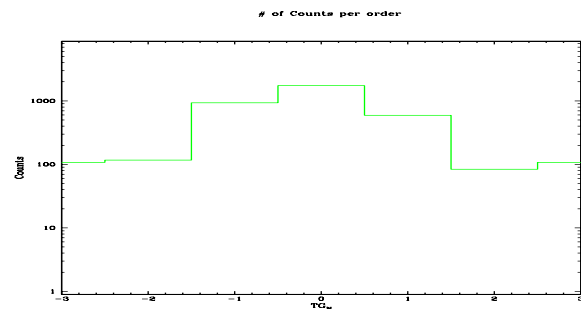


Spot Image MEG

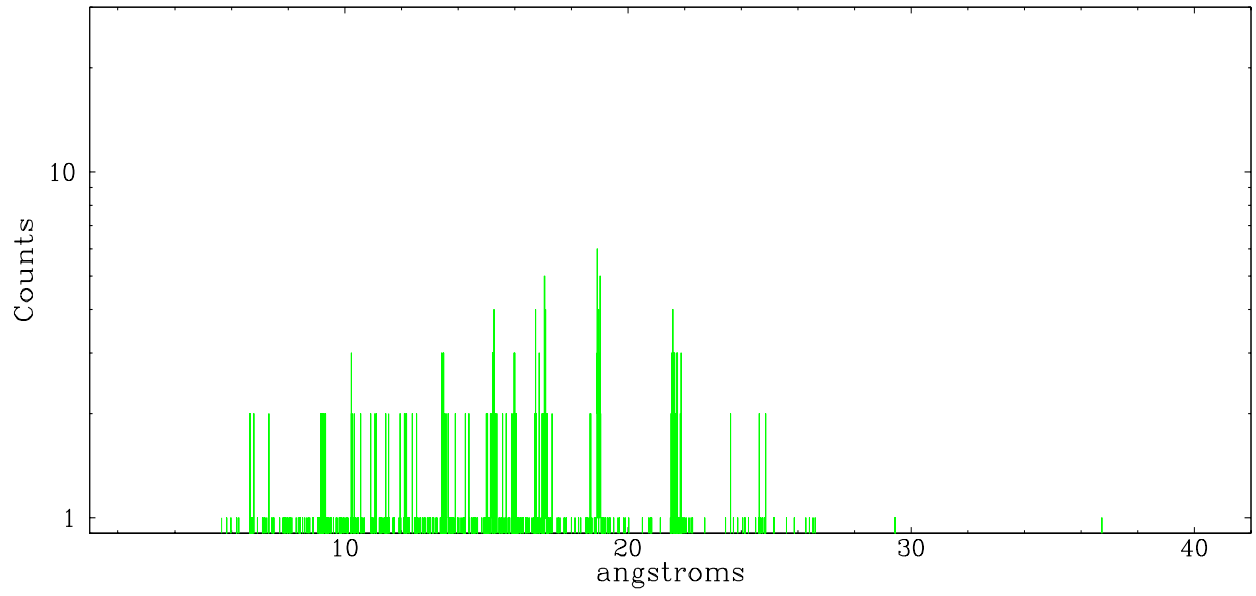


Full Detector MEG

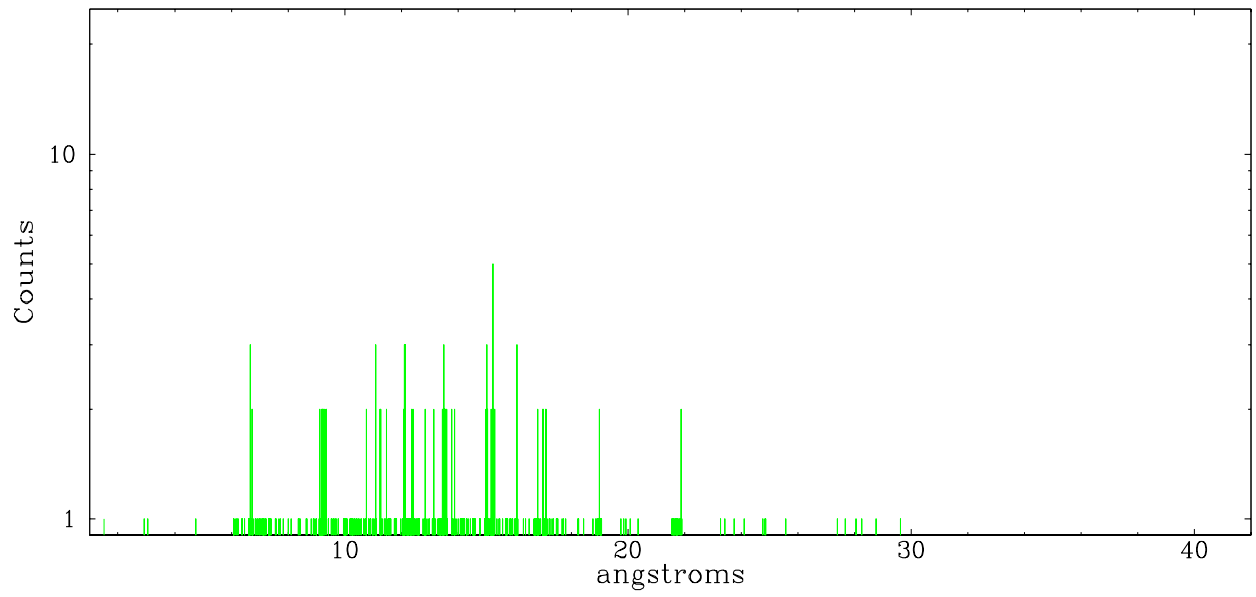
	order -3	order -2	order -1	order 0	order 1	order 2	order 3
Events	108	117	933	1738	591	84	108



meg order -1



meg order +1



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.11.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.915

A.2 Comments