

V&V Reference Report

L2 ASCDS Version : 7.6.8.1

Observation 4401 - L2 Version 001
Chandra X-Ray Center

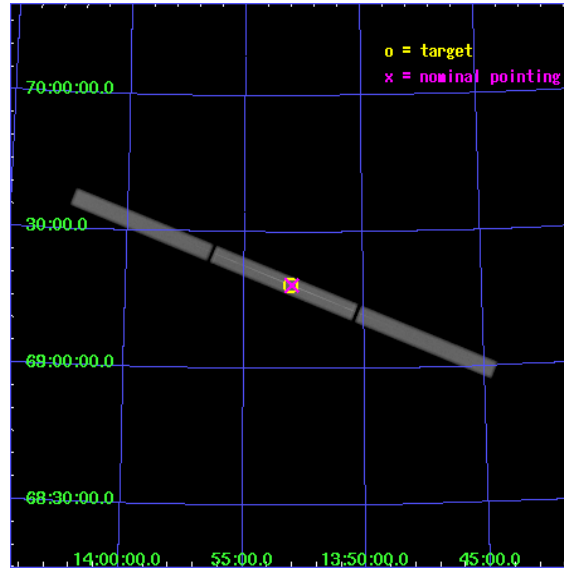
L2 Processing Date : Aug 11 2006

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1 Front

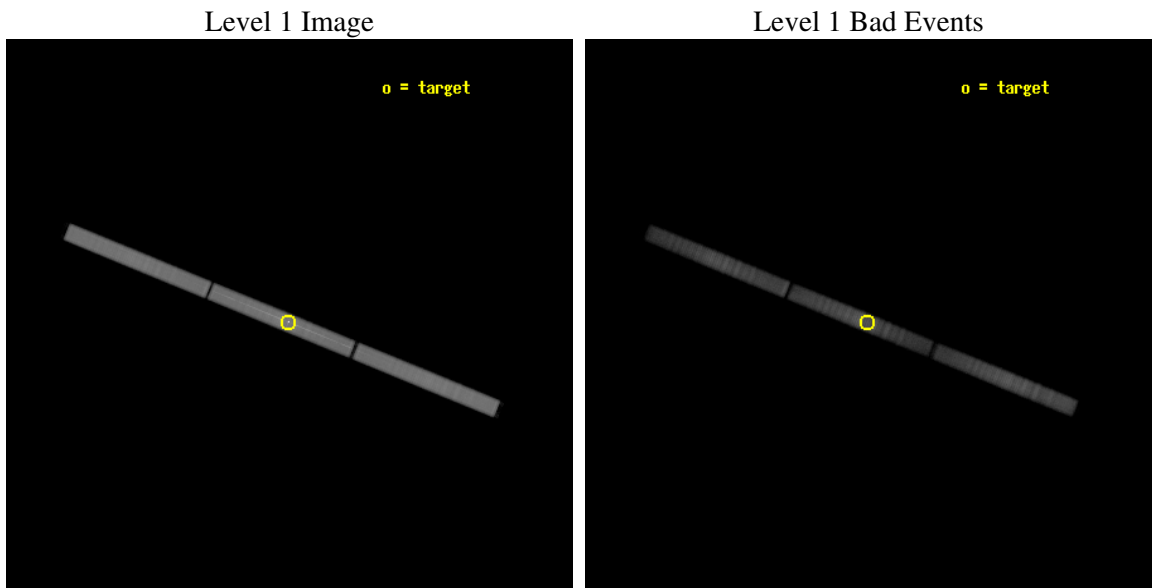
seq_num	700706
obs_id	4401
title	CONNECTING THE X-RAY AND UV IONIZED ABSORBERS IN MRK 279
observer	Dr. Jelle Kaastra
object	MRK 279
ra_targ	208.264583
dec_targ	69.308111
ra_nom	208.25220852357
dec_nom	69.306461999236
roll_nom	202.07890899588
revision	2
ontime	49830.633356869
livetime	49556.117646113
l2events	2036845



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1
ascdsver	7.6.8.1
caldbver	3.2.3
date	2006-08-11T18:49:40
revision	2

sched_exp_time	50000.000000
ontime	49912.377110302
l1events	3052204

2.1.3 Events

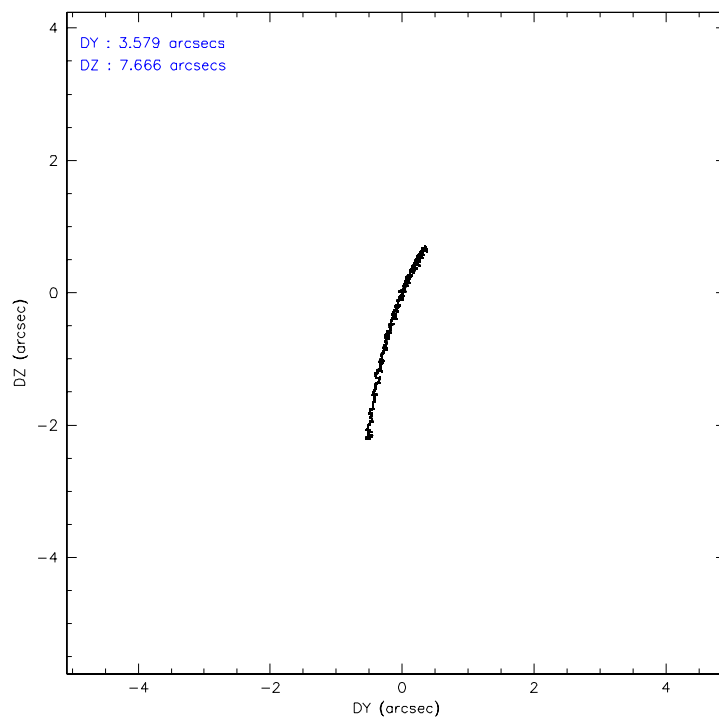
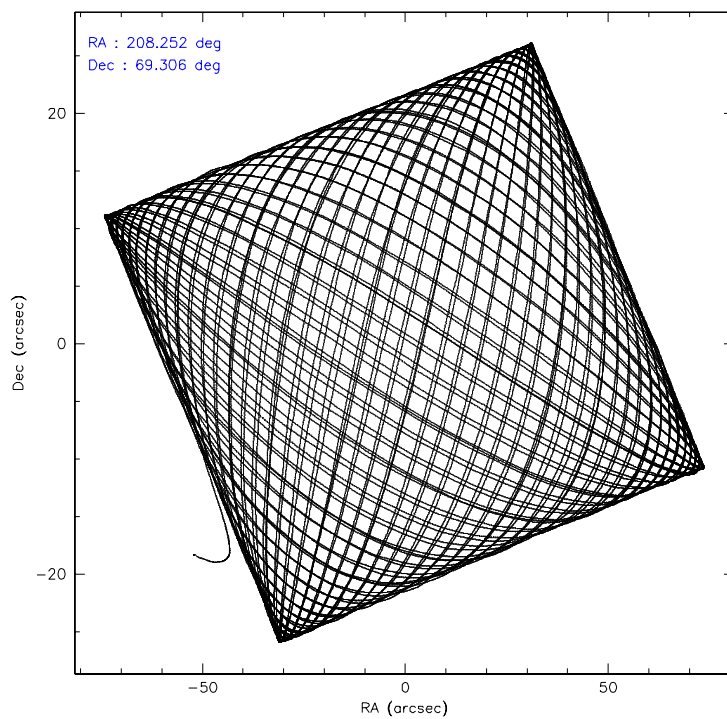
Level 1 Events

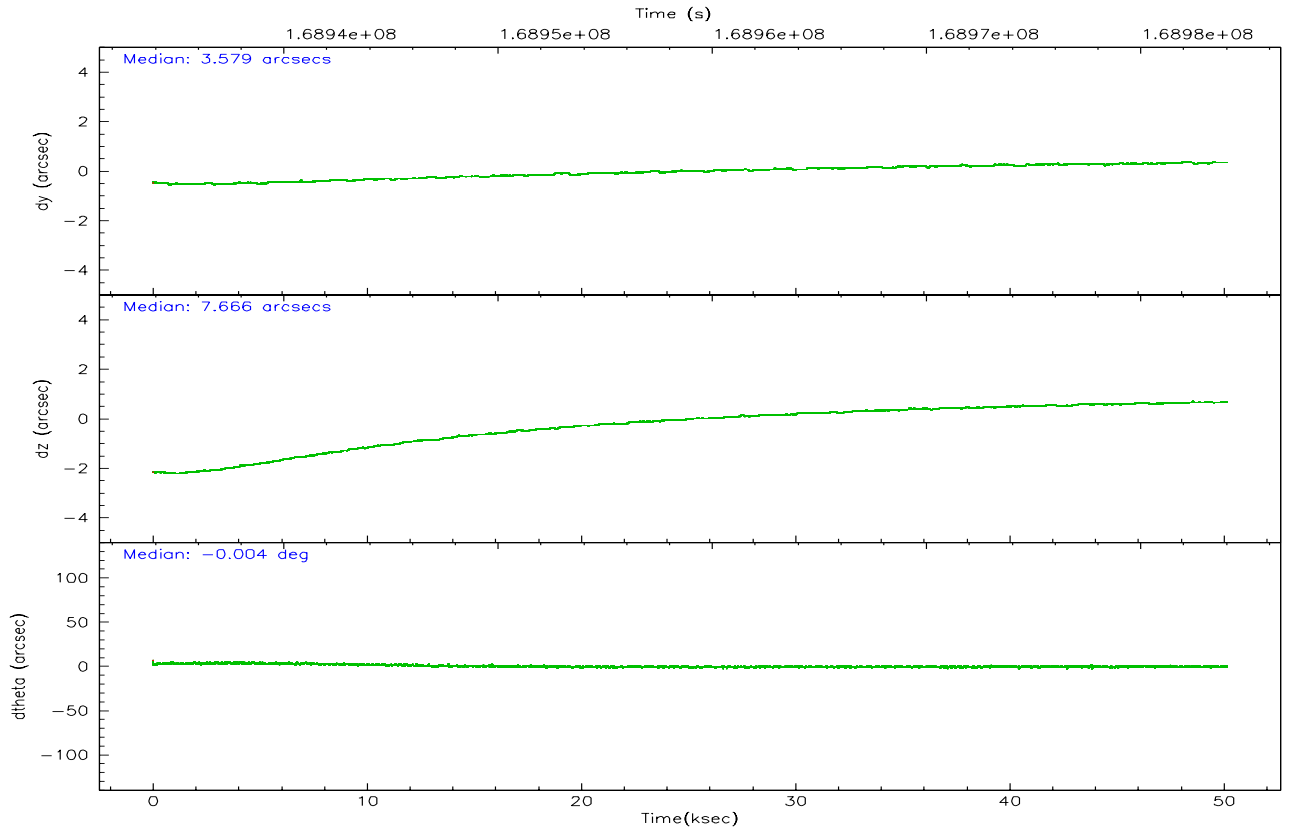
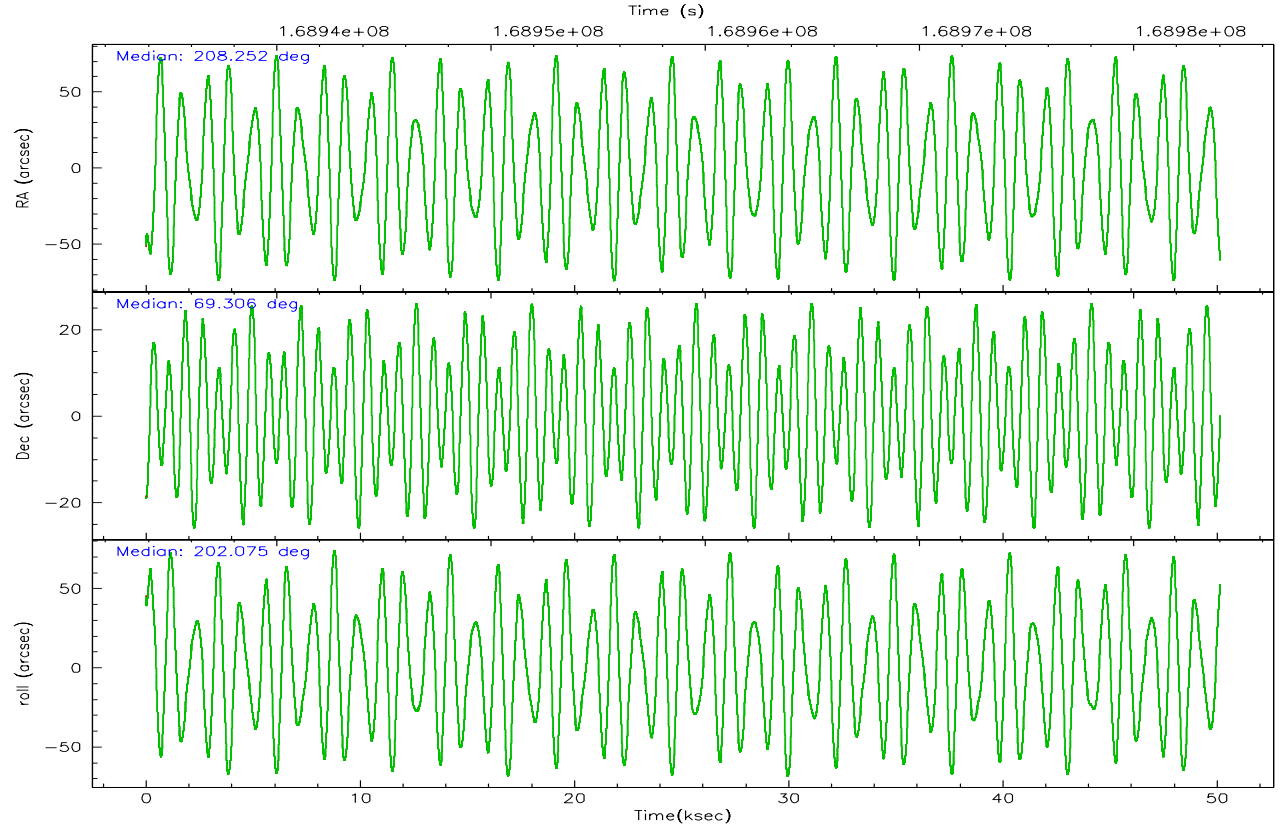
	segment 1	segment 2	segment 3
level 1 events	998566	1048296	1005342
rejected events	220017	238160	268206
rejected %	22%	22%	26%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	LETG	LETG	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
Pointing RA	208.298736	208.2522085235716			
Pointing Dec	69.329880	69.30646199923606			
Pointing Roll	201.968040	202.0789089958821			
SIM focus pos (mm)	-1.429586	-1.428180813131781			
SIM defocus (mm)	0.1037507710433287	0.1051558262725154			
SIM translation stage pos (mm)	250.455976	250.4635187648994			
SIM translation stage offset (mm)	0	-0.007540371344731511			
Observation start time	168934032.184000	168932871.04961			
Observation start date	2003-05-10T06:06:08	2003-05-10T05:47:51			
Observation end time	168984032.184000	168985882.51435			
Observation end date	2003-05-10T19:59:28	2003-05-10T20:31:22			

2.3 Aspect



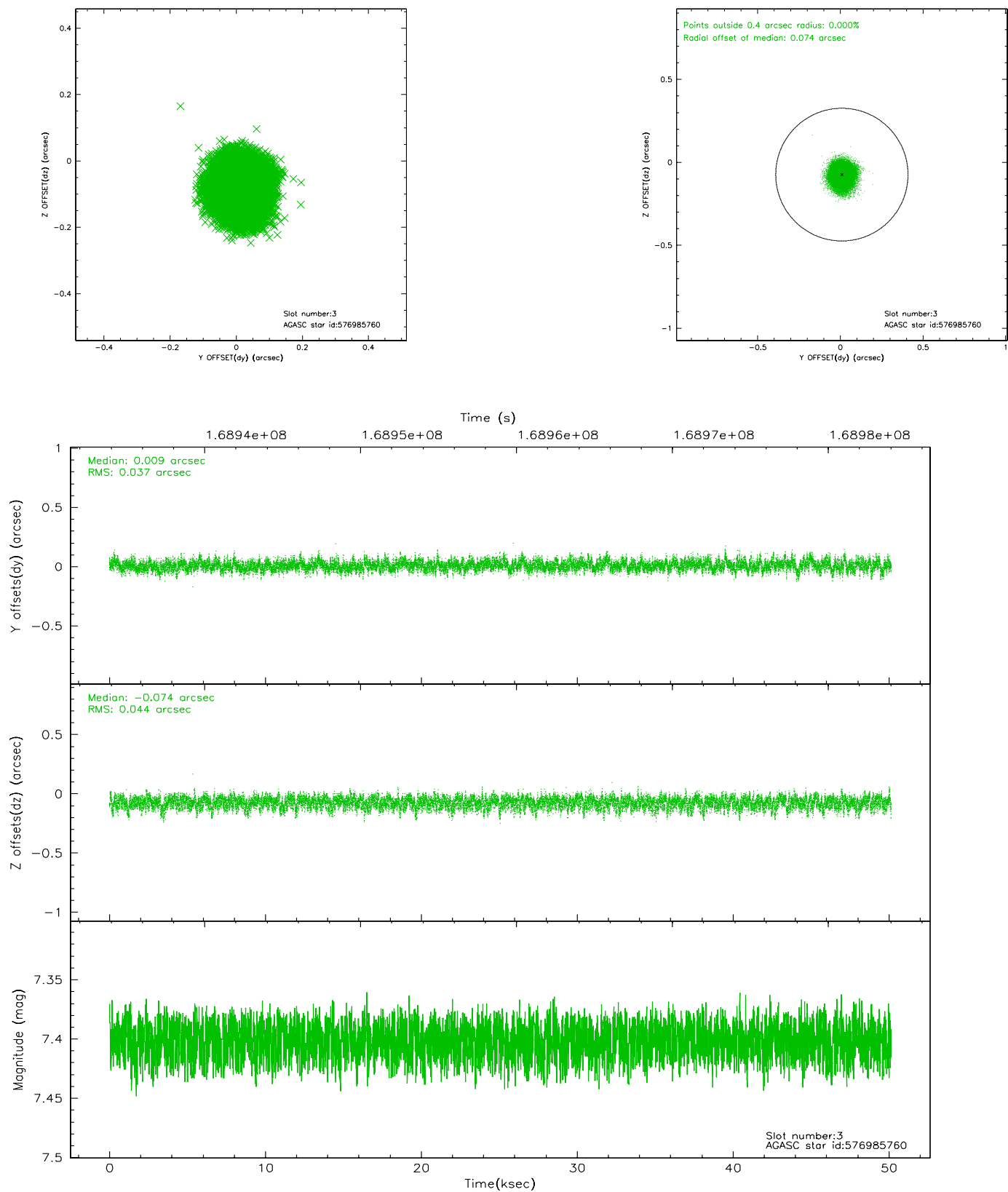


Slot Statistics

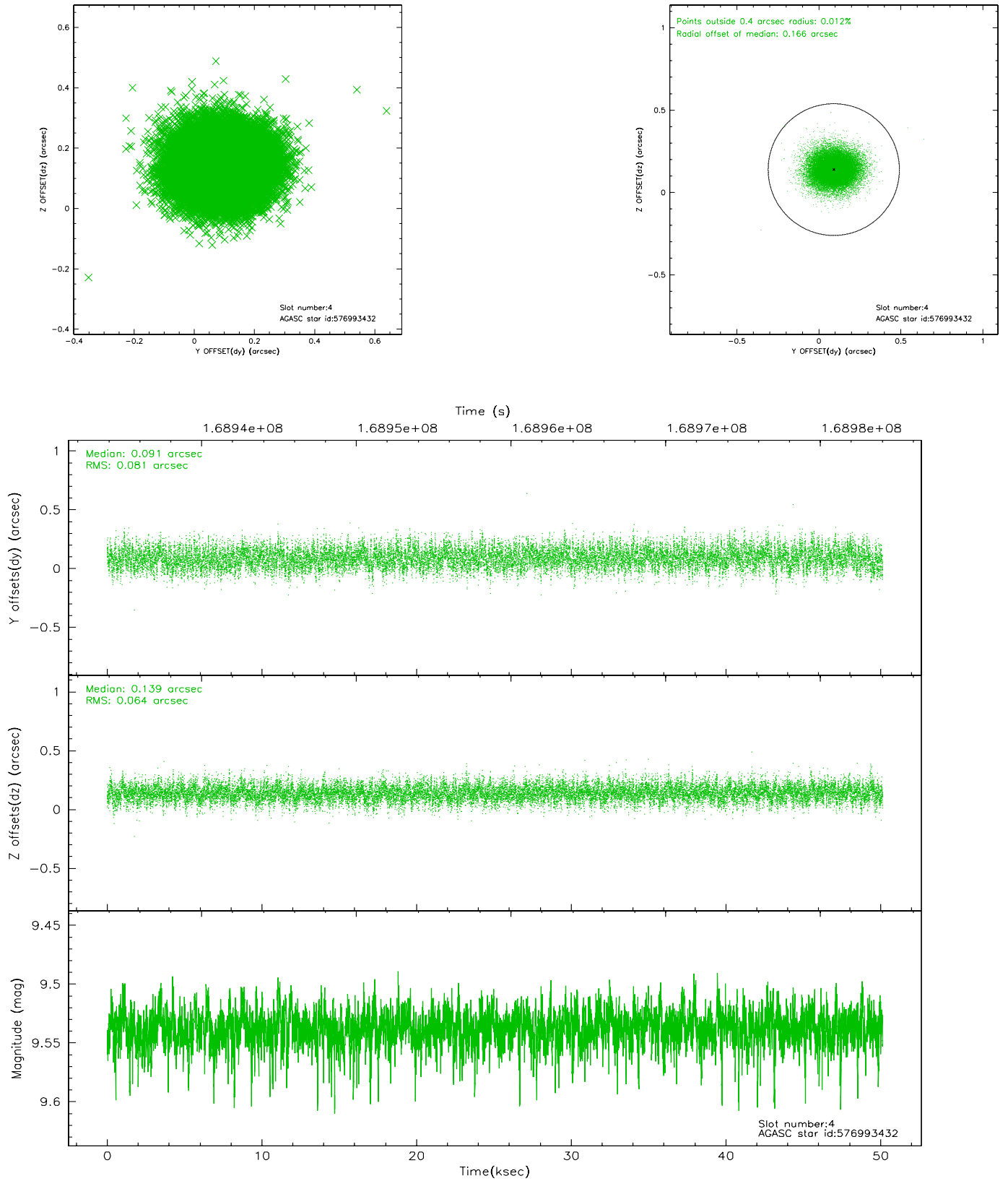
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.99	12229	0.144	-0.117	0.014	0.060	0.000000	0.000000	-1157.58	-455.88
1	FID	HRC-S-2	6.99	12230	0.098	-0.092	0.011	0.023	0.000000	0.000000	1241.96	-448.52
2	FID	HRC-S-3	7.01	12230	0.149	-0.094	0.015	0.074	0.000000	0.000000	-1160.20	573.66
3	GUIDE	576985760	7.40	24461	0.009	-0.074	0.061	0.099	207.721529	69.153363	922.28	309.67
4	GUIDE	576993432	9.54	24438	0.091	0.139	0.110	0.178	207.256317	68.646298	2183.69	1760.73
5	GUIDE	577120624	7.14	24460	-0.102	-0.060	0.063	0.100	208.865374	69.935124	-1465.10	-1761.93
6	GUIDE	577121192	7.88	24458	0.011	0.024	0.074	0.129	208.693523	69.547622	-754.25	-542.61
7	GUIDE	577124216	10.10	24343	-0.005	-0.026	0.150	0.255	209.315908	68.857467	-592.69	2061.07

2.4 Star Slots

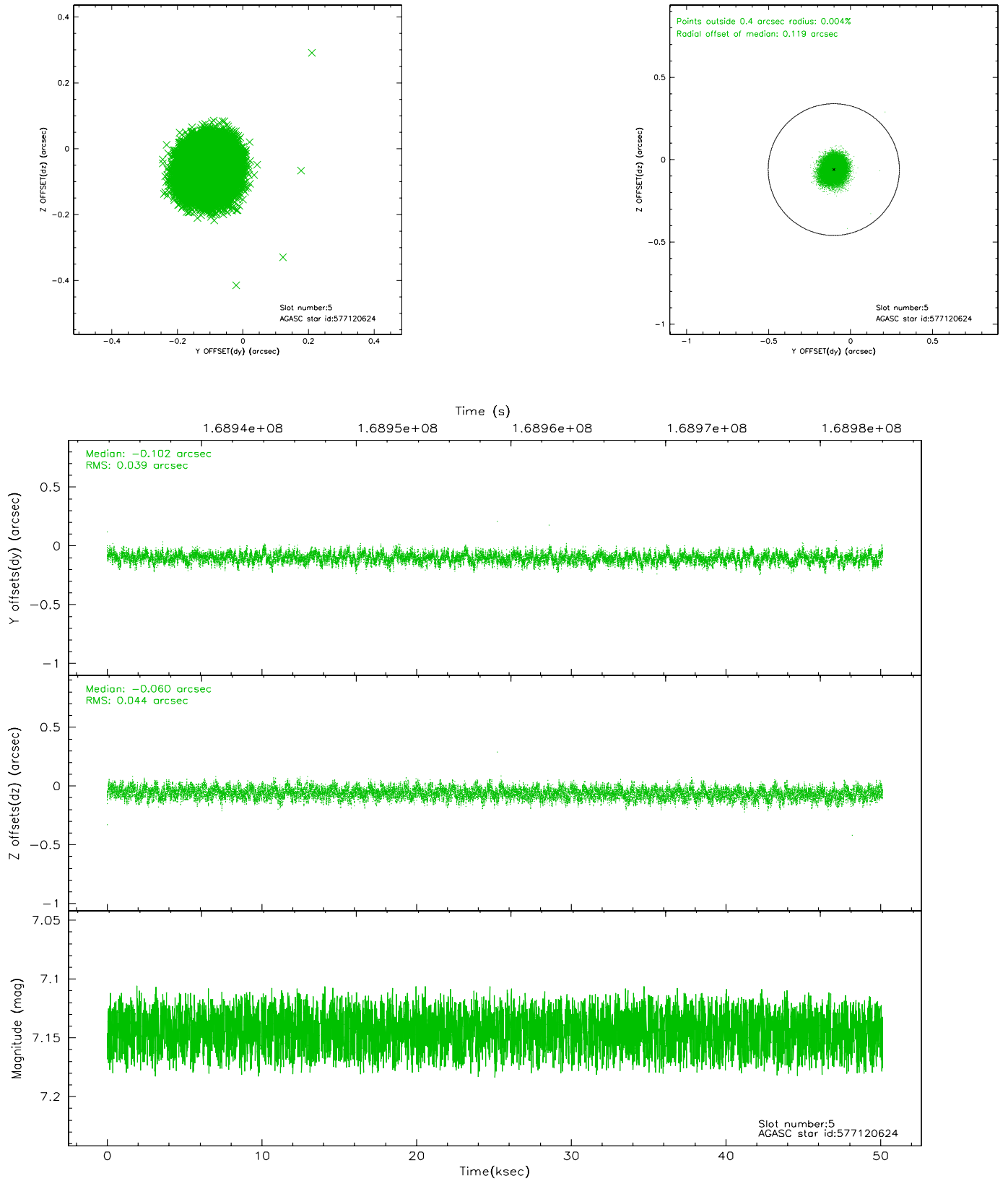
2.4.1 Slot 3



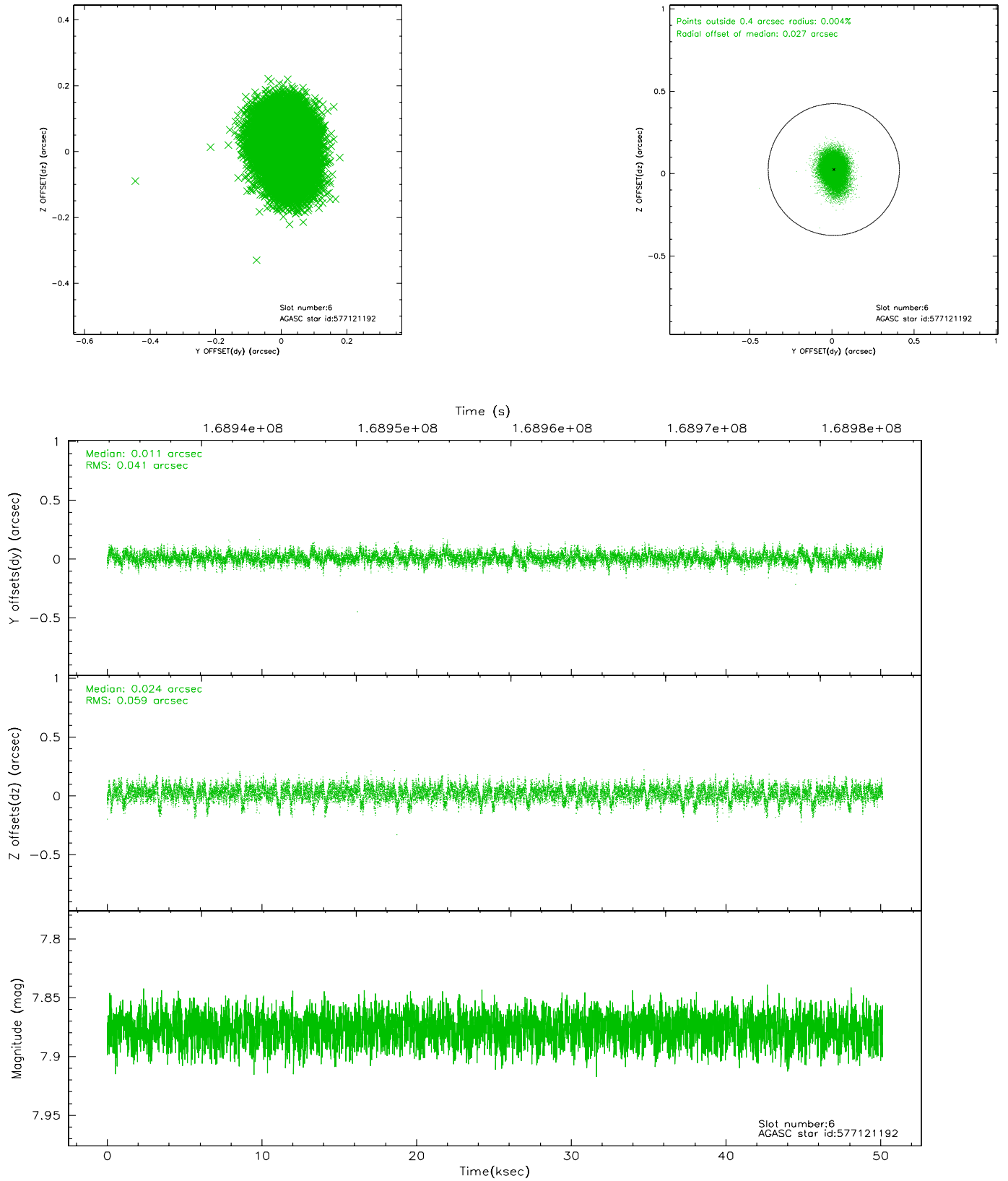
2.4.2 Slot 4



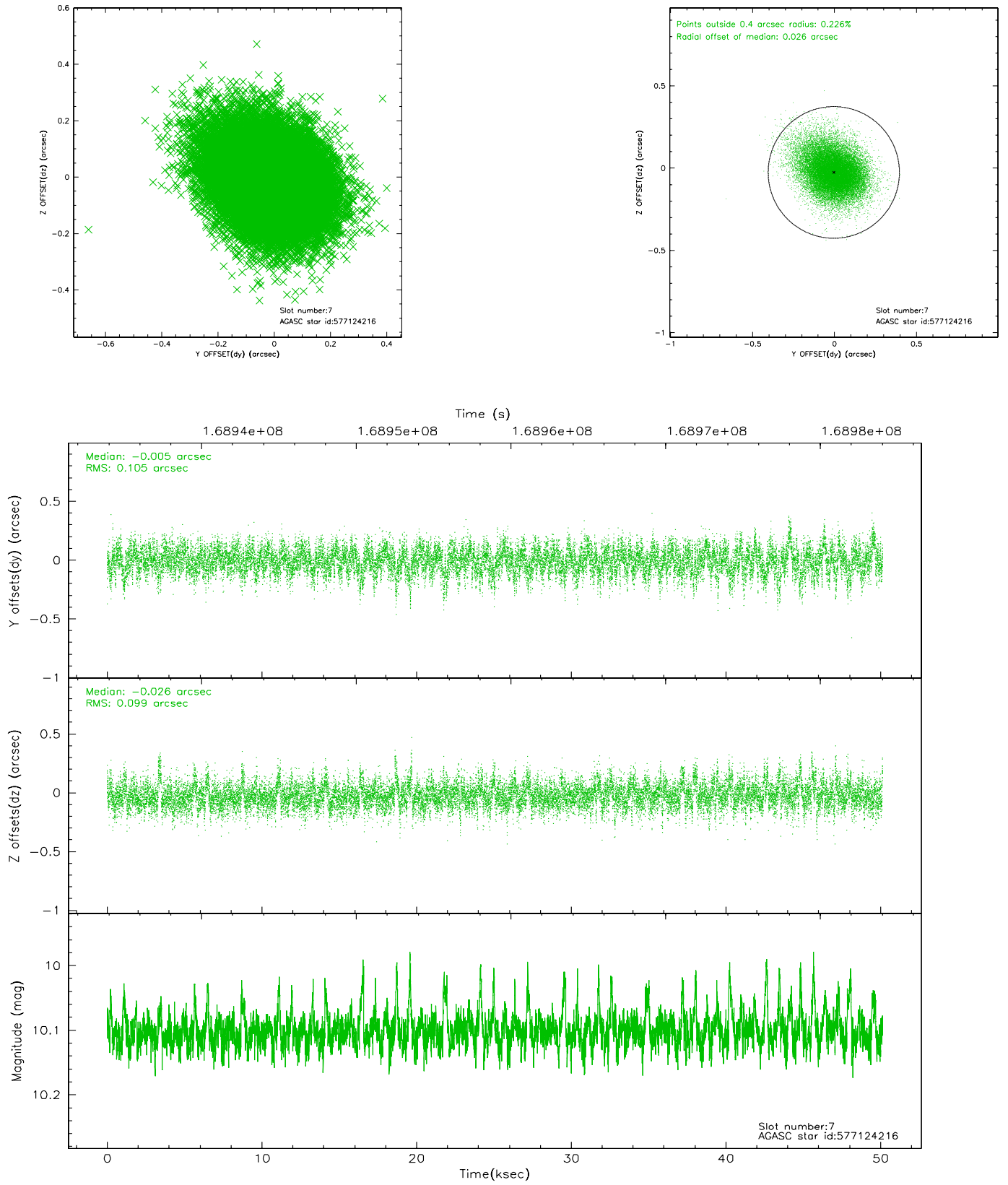
2.4.3 Slot 5



2.4.4 Slot 6

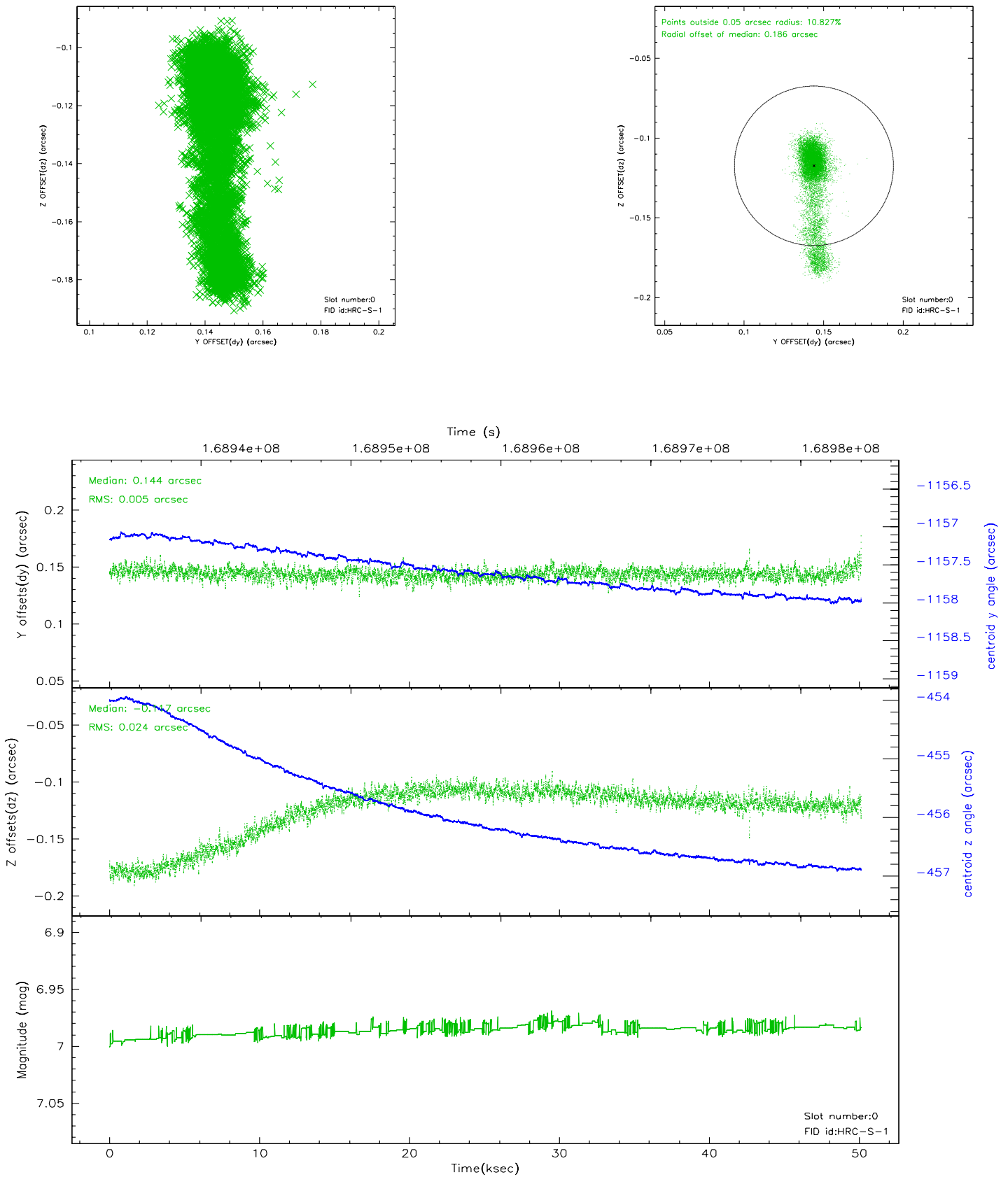


2.4.5 Slot 7

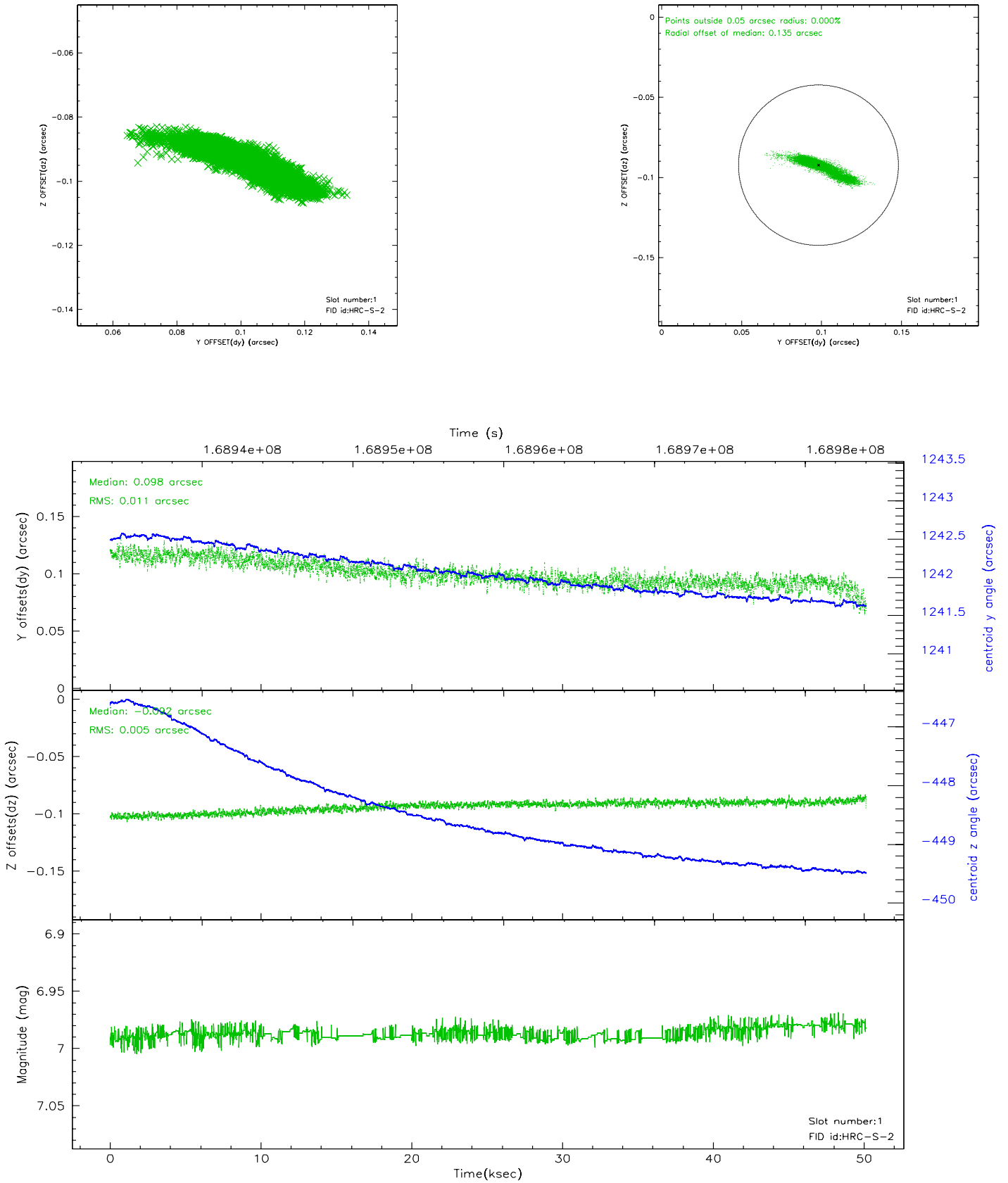


2.5 FID Slots

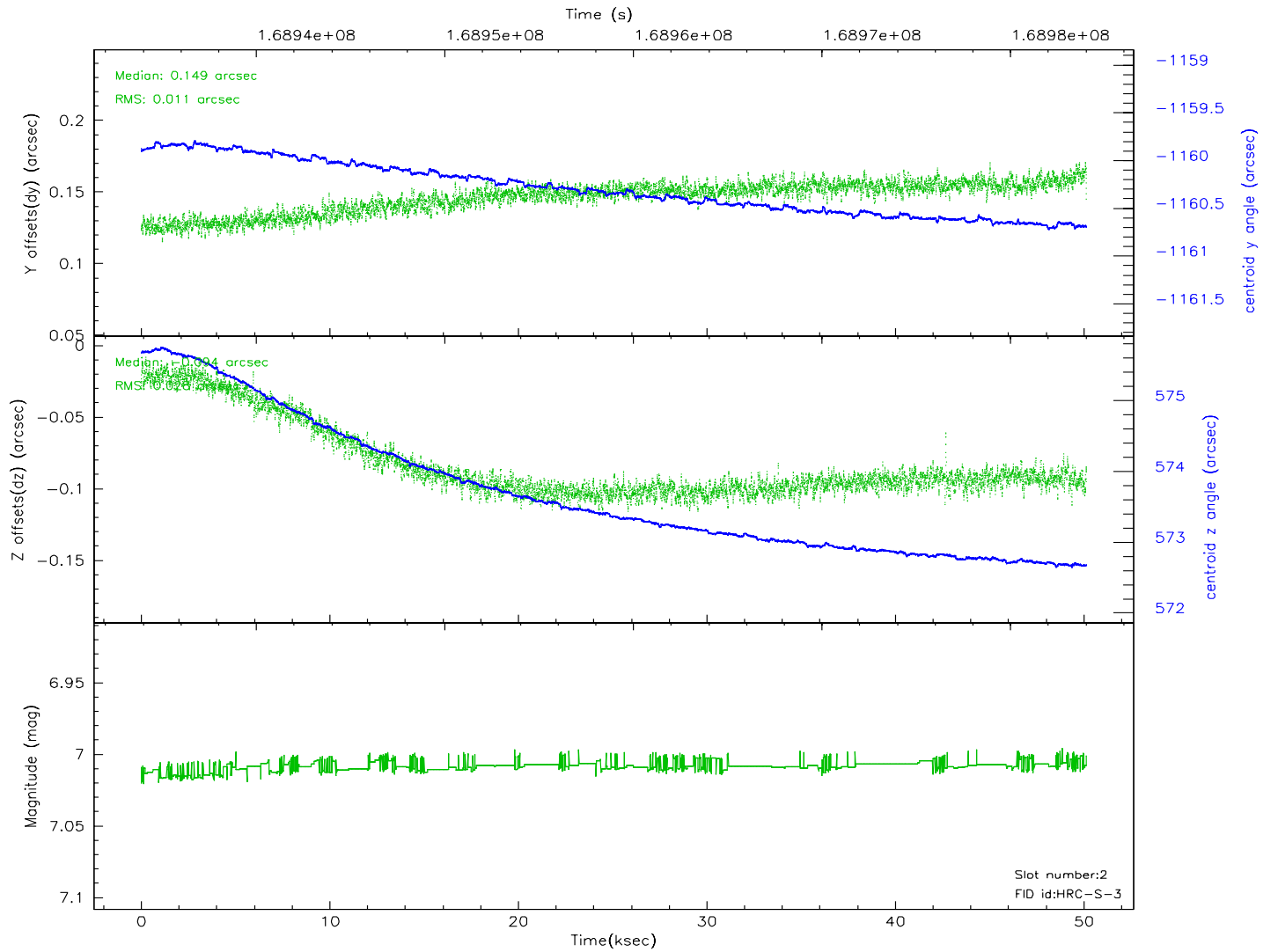
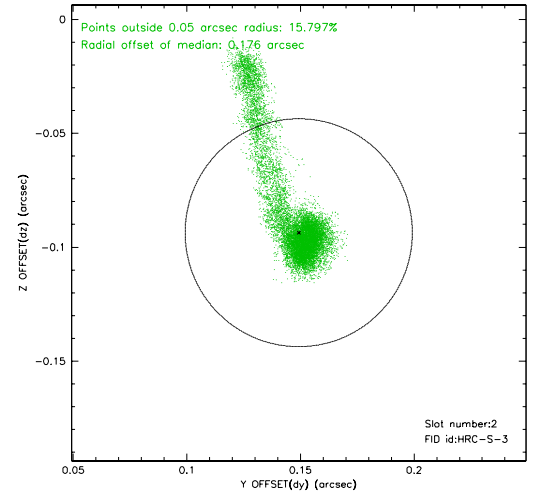
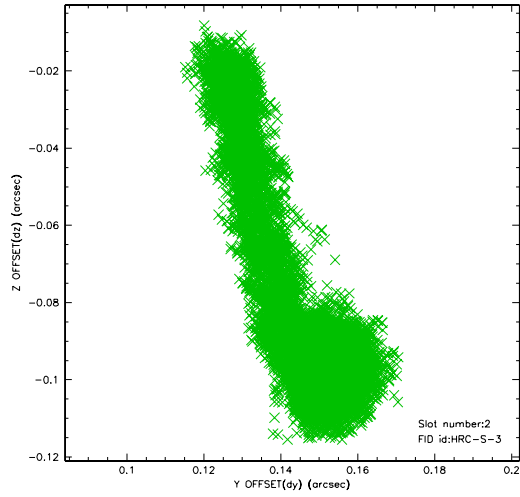
2.5.1 Slot 0



2.5.2 Slot 1

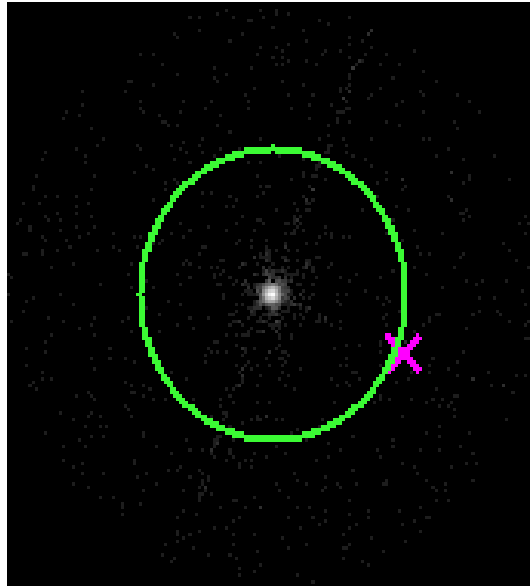


2.5.3 Slot 2



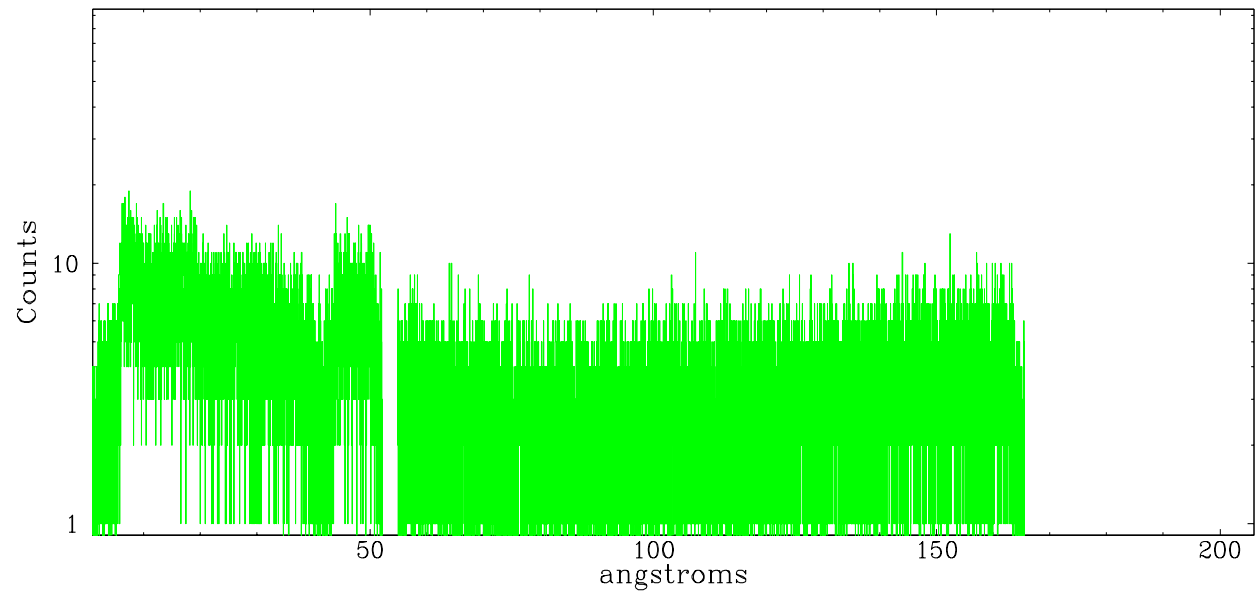
3 Gratings

3.1 LETG Arm

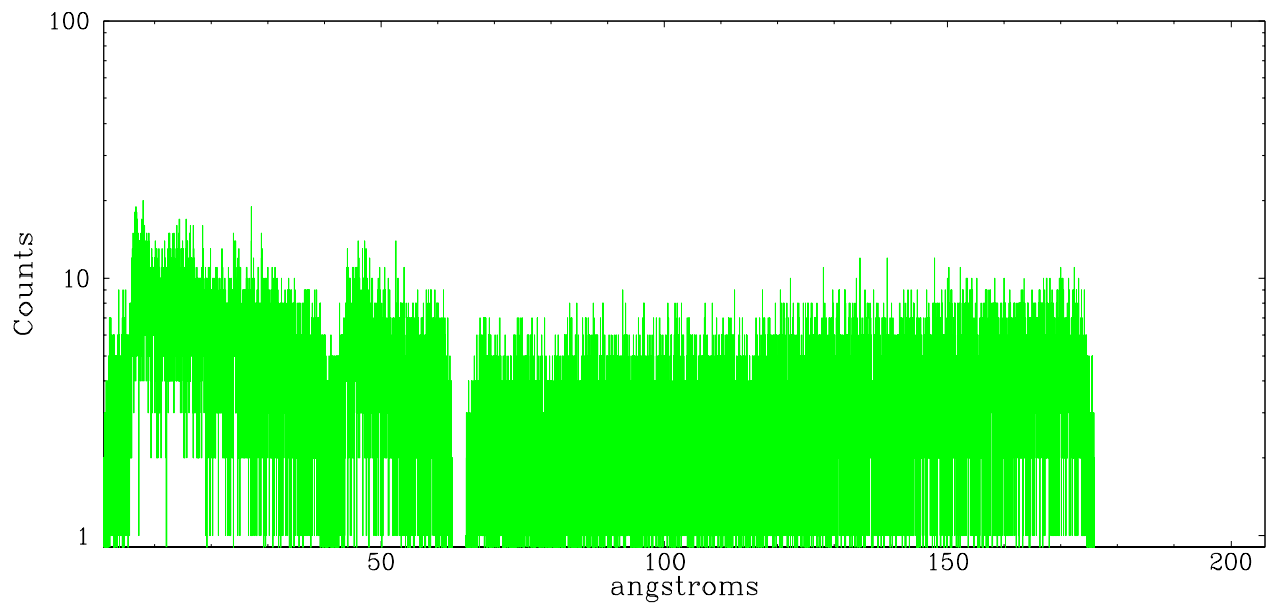


LETG Zero Order

leg order -1



leg order $+1$



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.08.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	49.83

A.2 Comments