

V&V Reference Report

L2 ASCDS Version : 7.6.8.1

Observation 4027 - L2 Version 001
Chandra X-Ray Center

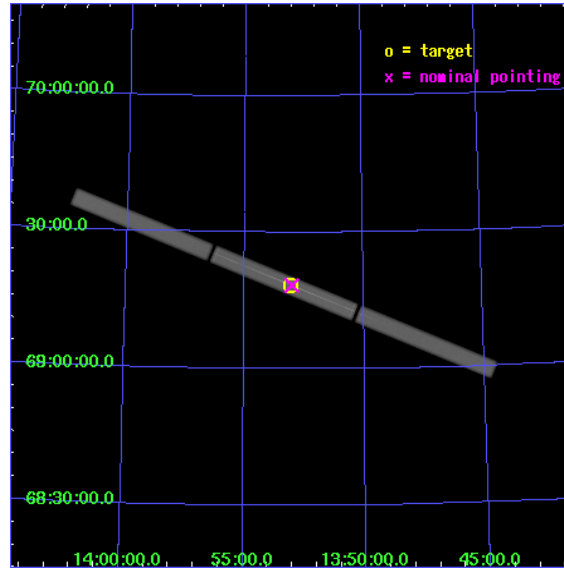
L2 Processing Date : Aug 12 2006

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
3	Gratings	17
3.1	LETG Arm	17
A	Summary	19
A.1	Status	19
A.2	Comments	19

1 Front

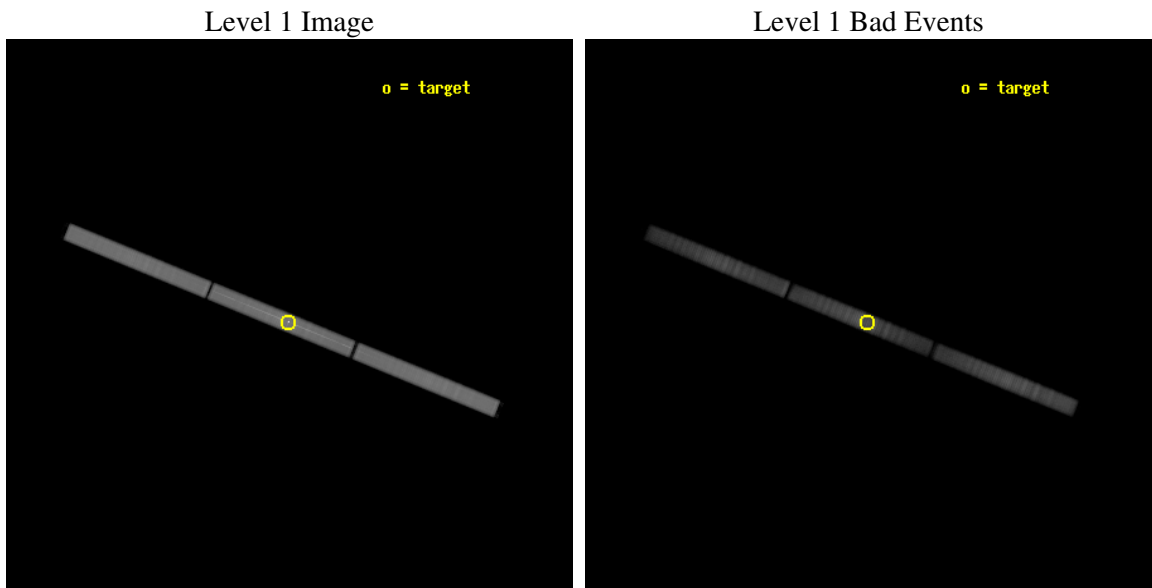
seq_num	700706
obs_id	4027
title	CONNECTING THE X-RAY AND UV IONIZED ABSORBERS IN MRK 279
observer	Dr. Jelle Kaastra
object	MRK 279
ra_targ	208.264583
dec_targ	69.308111
ra_nom	208.25223171784
dec_nom	69.306466004744
roll_nom	202.07888814719
revision	2
ontime	94709.235257447
livetime	94169.523500854
l2events	4056324



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	2006-08-11T23:48:59
revision	2

sched_exp_time	94525.000000
ontime	94712.310257614
l1events	6097842

2.1.3 Events

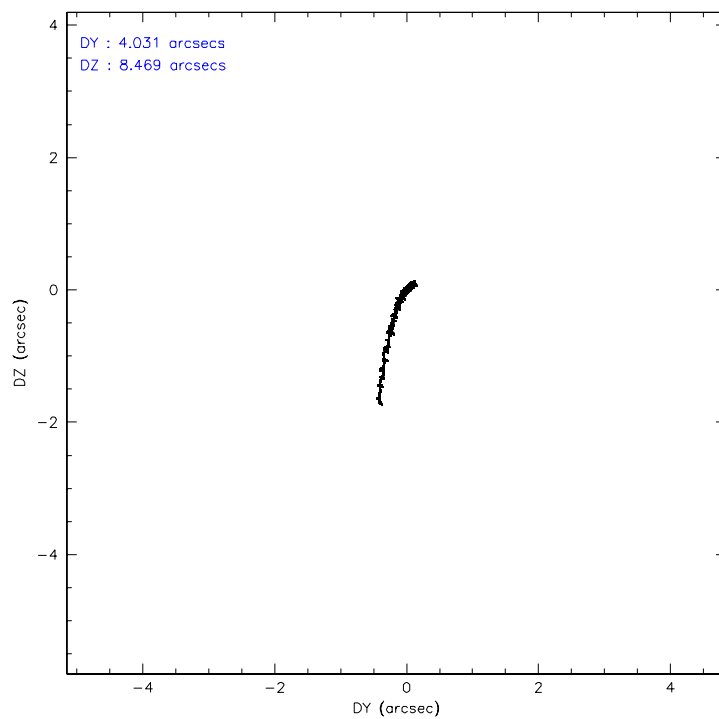
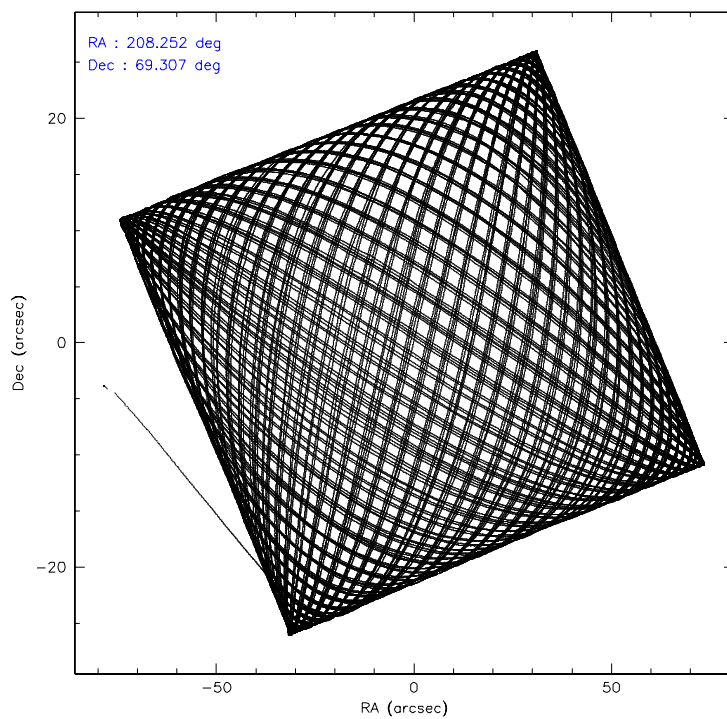
Level 1 Events

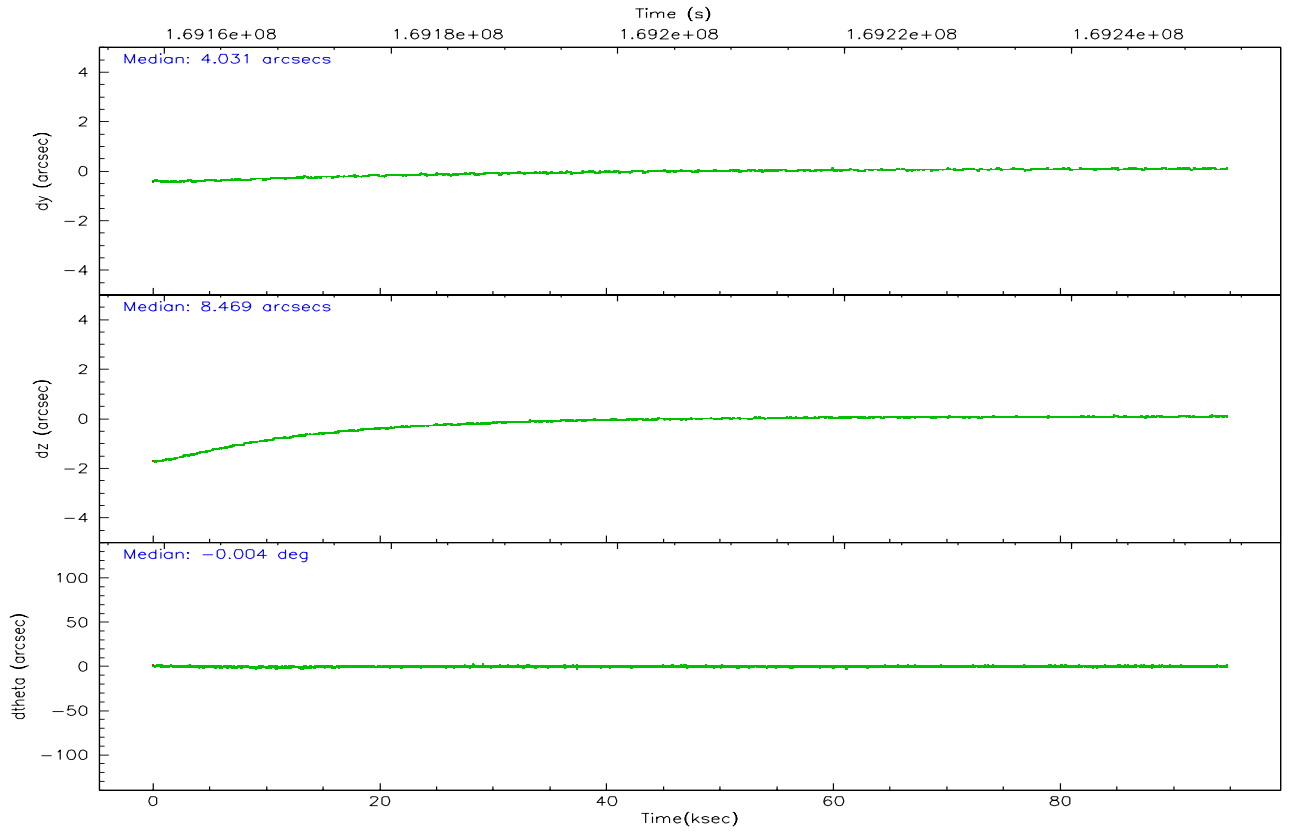
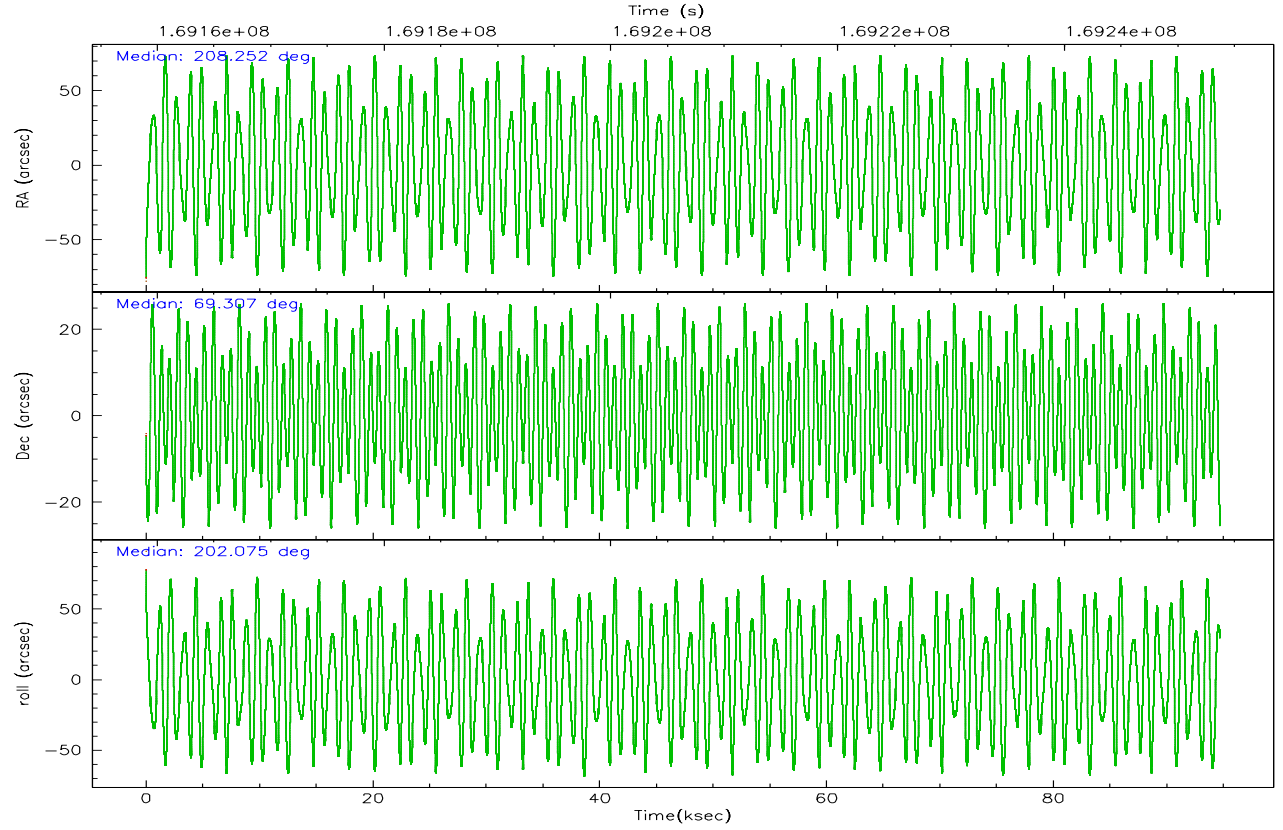
	segment 1	segment 2	segment 3
level 1 events	1984192	2121569	1992081
rejected events	439494	507888	534119
rejected %	22%	23%	26%

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	208.252231717836			
Pointing Dec	69.329880	69.30646600474418			
Pointing Roll	201.968040	202.0788881471943			
SIM focus pos (mm)	-1.429586	-1.428180813131781			
SIM defocus (mm)	0.1037507710433287	0.1051558262725154			
SIM translation stage pos (mm)	250.455976	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	169159201.184000	169157932.35913			
Observation start date	2003-05-12T20:38:57	2003-05-12T20:18:52			
Observation end time	169253726.184000	169254493.00071			
Observation end date	2003-05-13T22:54:22	2003-05-13T23:08:13			

2.3 Aspect



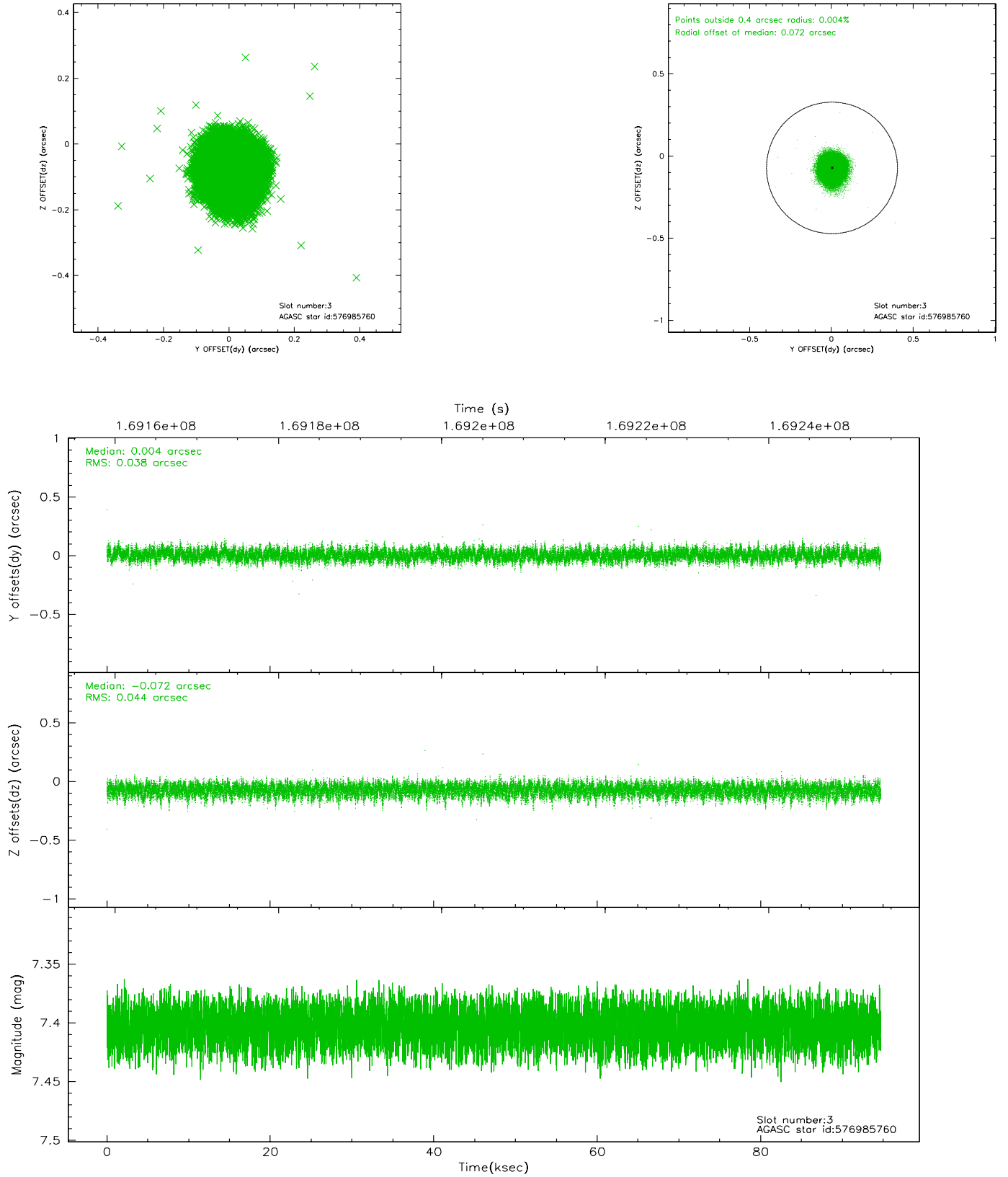


Slot Statistics

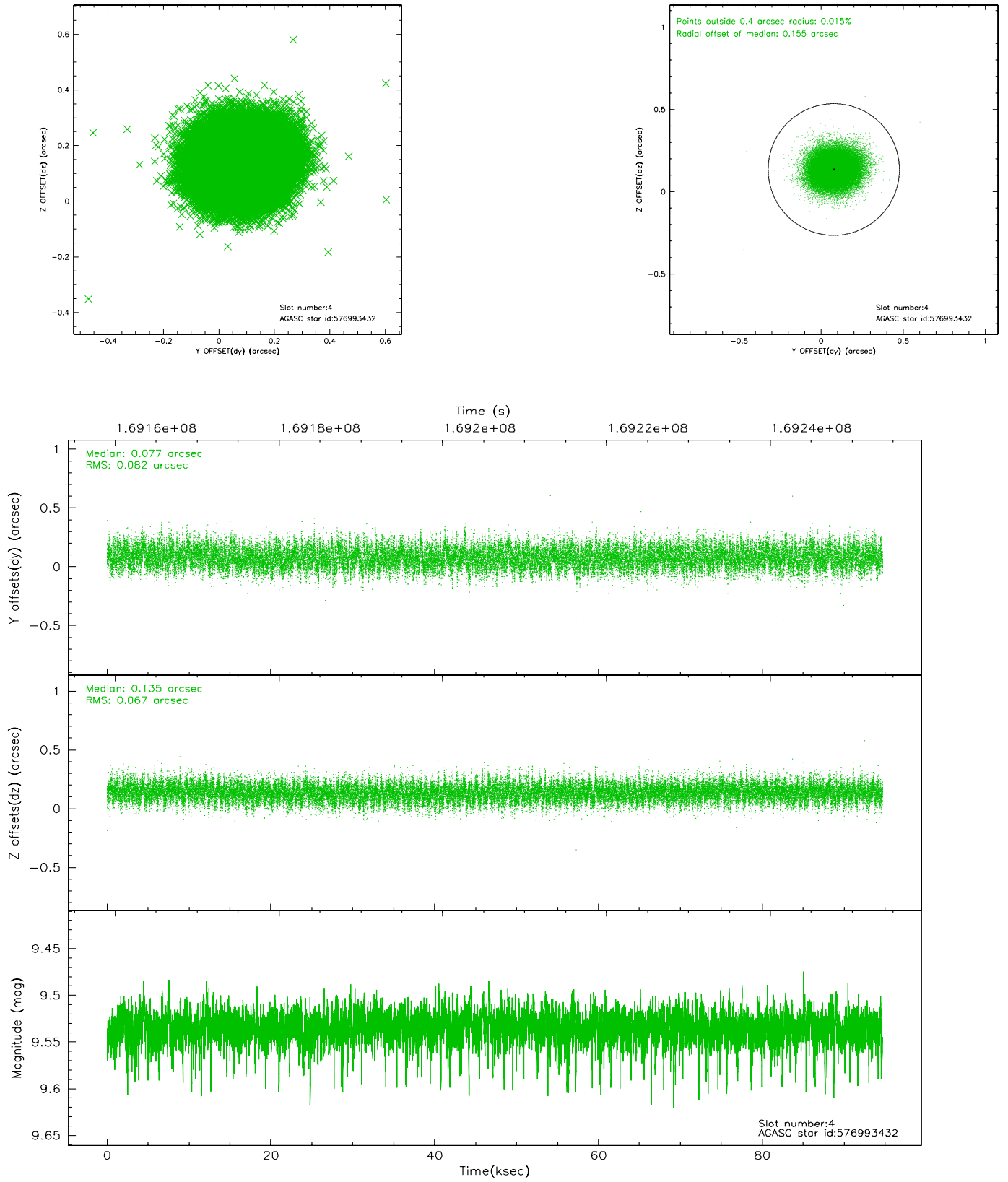
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.00	23098	0.154	-0.133	0.012	0.022	0.000000	0.000000	-1158.02	-456.87
1	FID	HRC-S-2	7.00	23099	0.075	-0.088	0.007	0.032	0.000000	0.000000	1241.54	-449.47
2	FID	HRC-S-3	7.02	23100	0.159	-0.081	0.012	0.022	0.000000	0.000000	-1160.69	572.69
3	GUIDE	576985760	7.40	46199	0.004	-0.072	0.062	0.099	207.721529	69.153363	922.30	309.67
4	GUIDE	576993432	9.53	46155	0.077	0.135	0.113	0.182	207.256317	68.646298	2183.69	1760.72
5	GUIDE	577120624	7.14	46195	-0.095	-0.050	0.063	0.100	208.865374	69.935124	-1465.11	-1761.95
6	GUIDE	577121192	7.88	46198	0.013	0.032	0.076	0.131	208.693523	69.547622	-754.20	-542.56
7	GUIDE	577124216	10.10	45992	0.002	-0.039	0.154	0.259	209.315908	68.857467	-592.66	2061.04

2.4 Star Slots

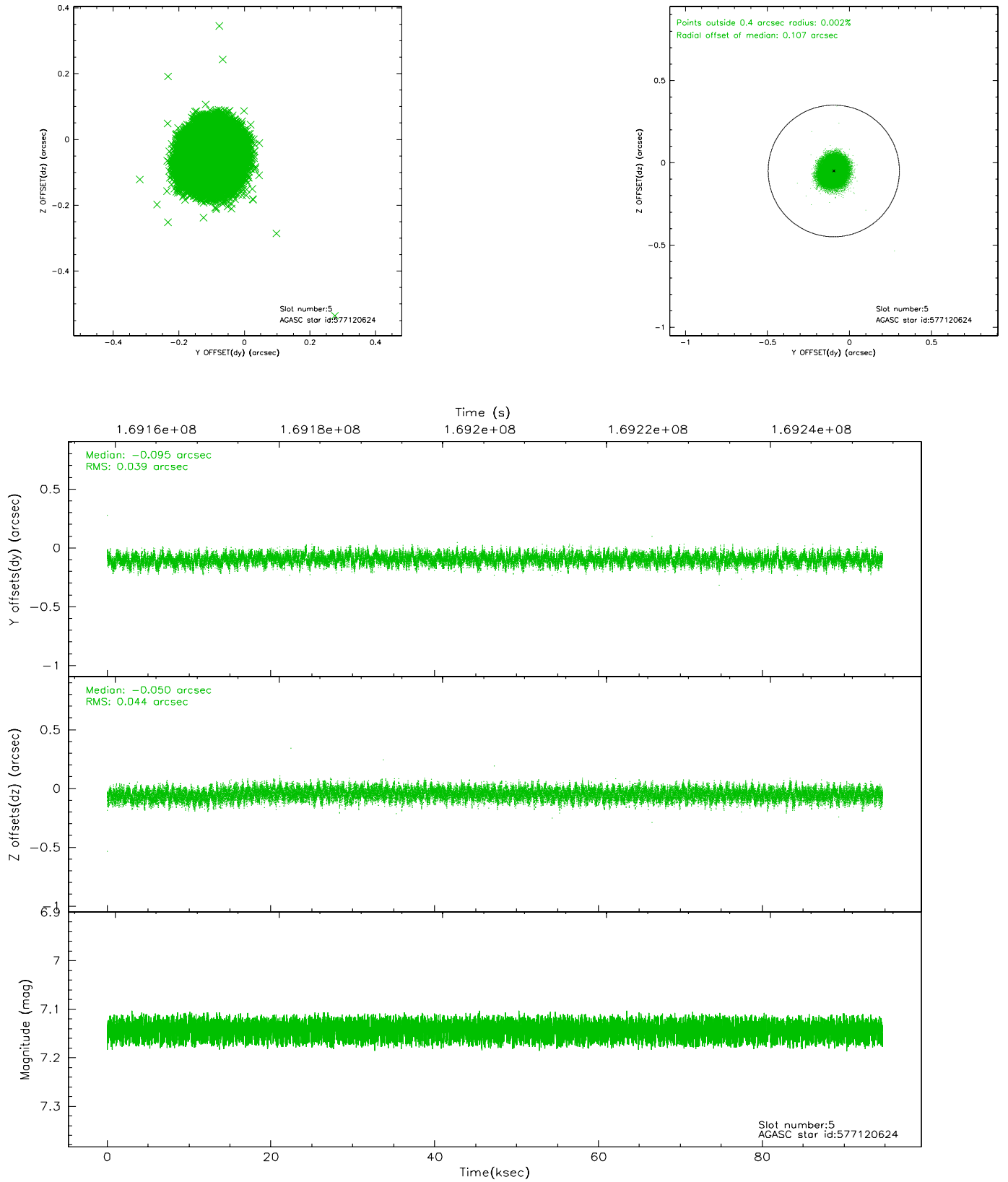
2.4.1 Slot 3



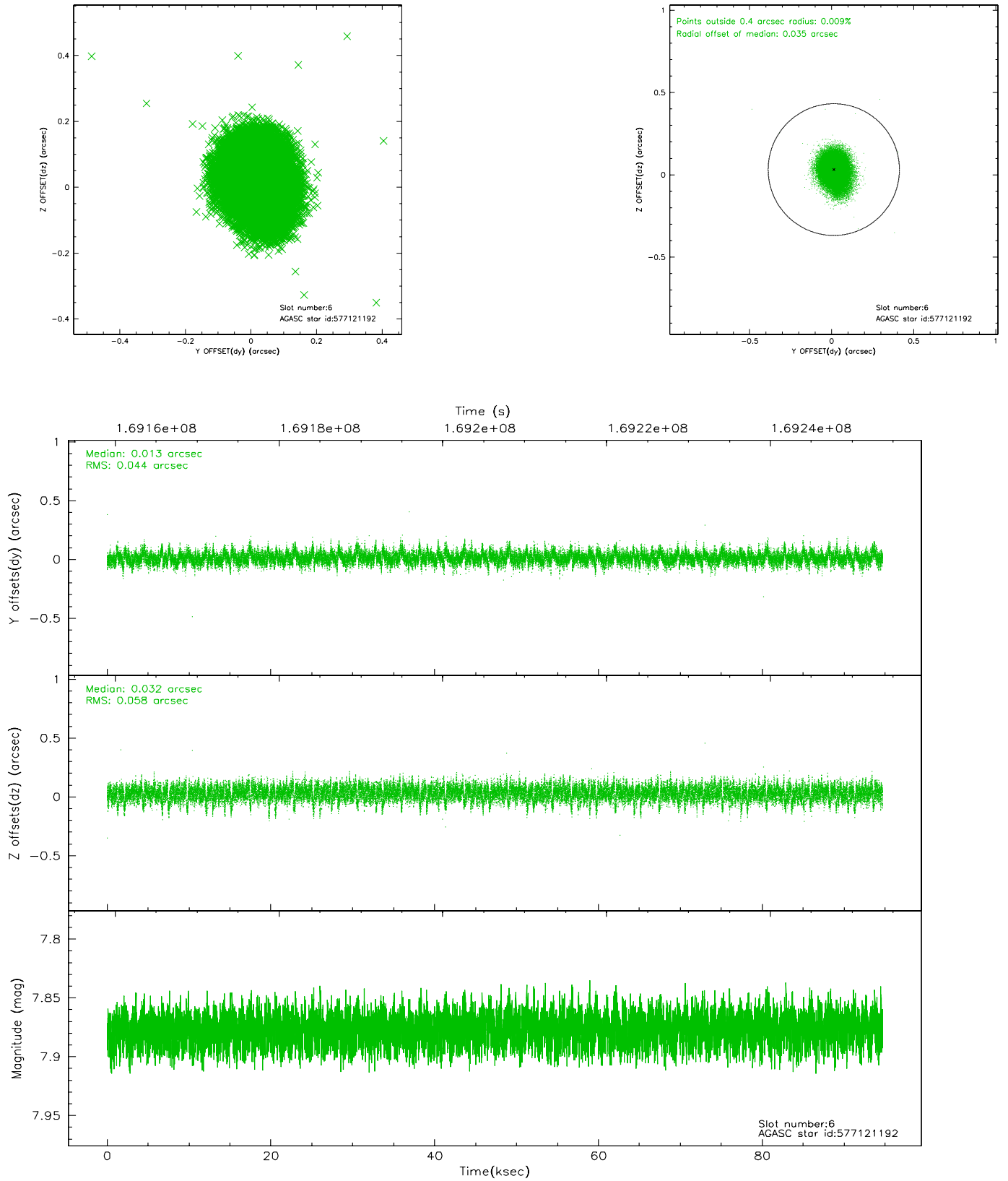
2.4.2 Slot 4



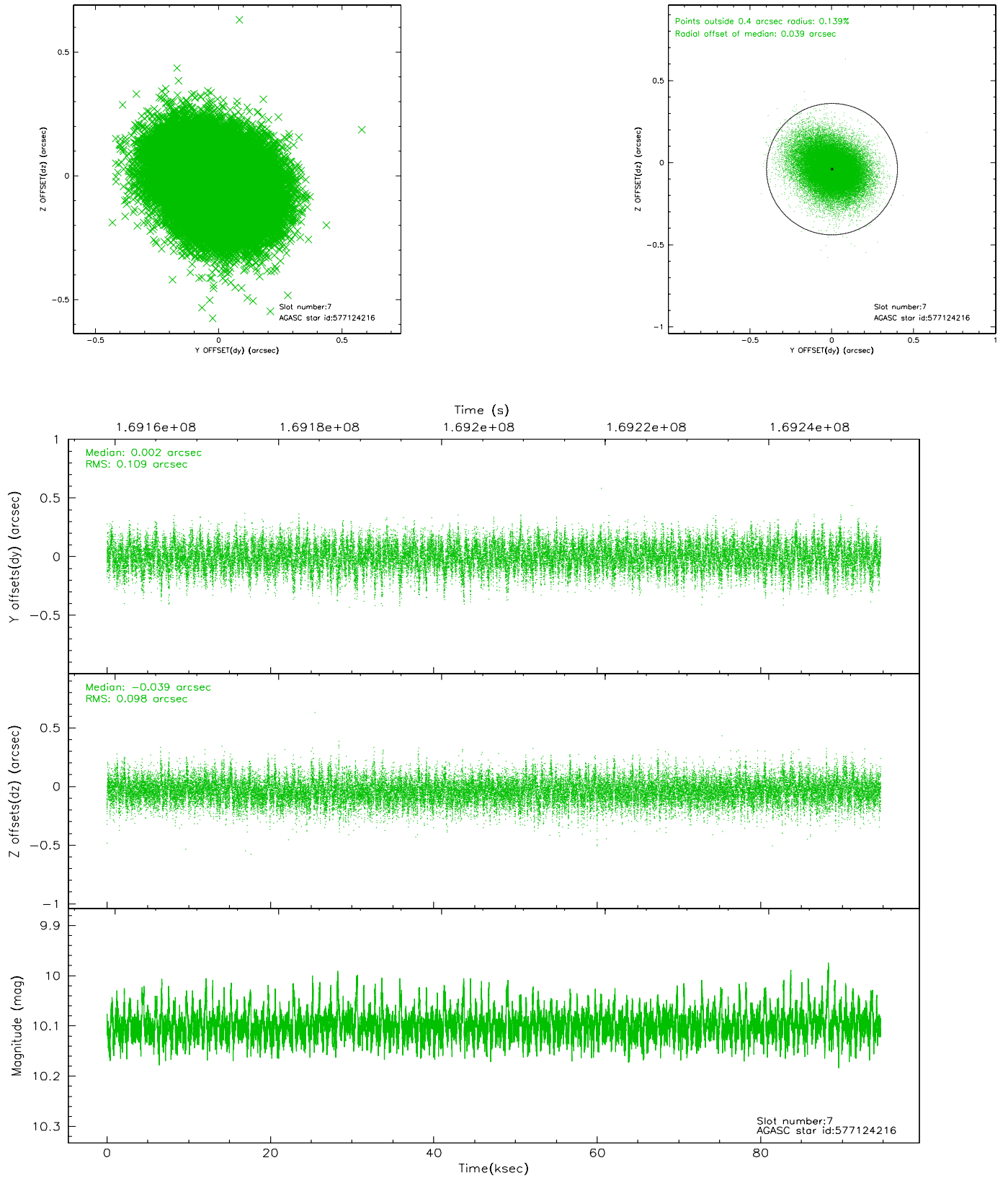
2.4.3 Slot 5



2.4.4 Slot 6

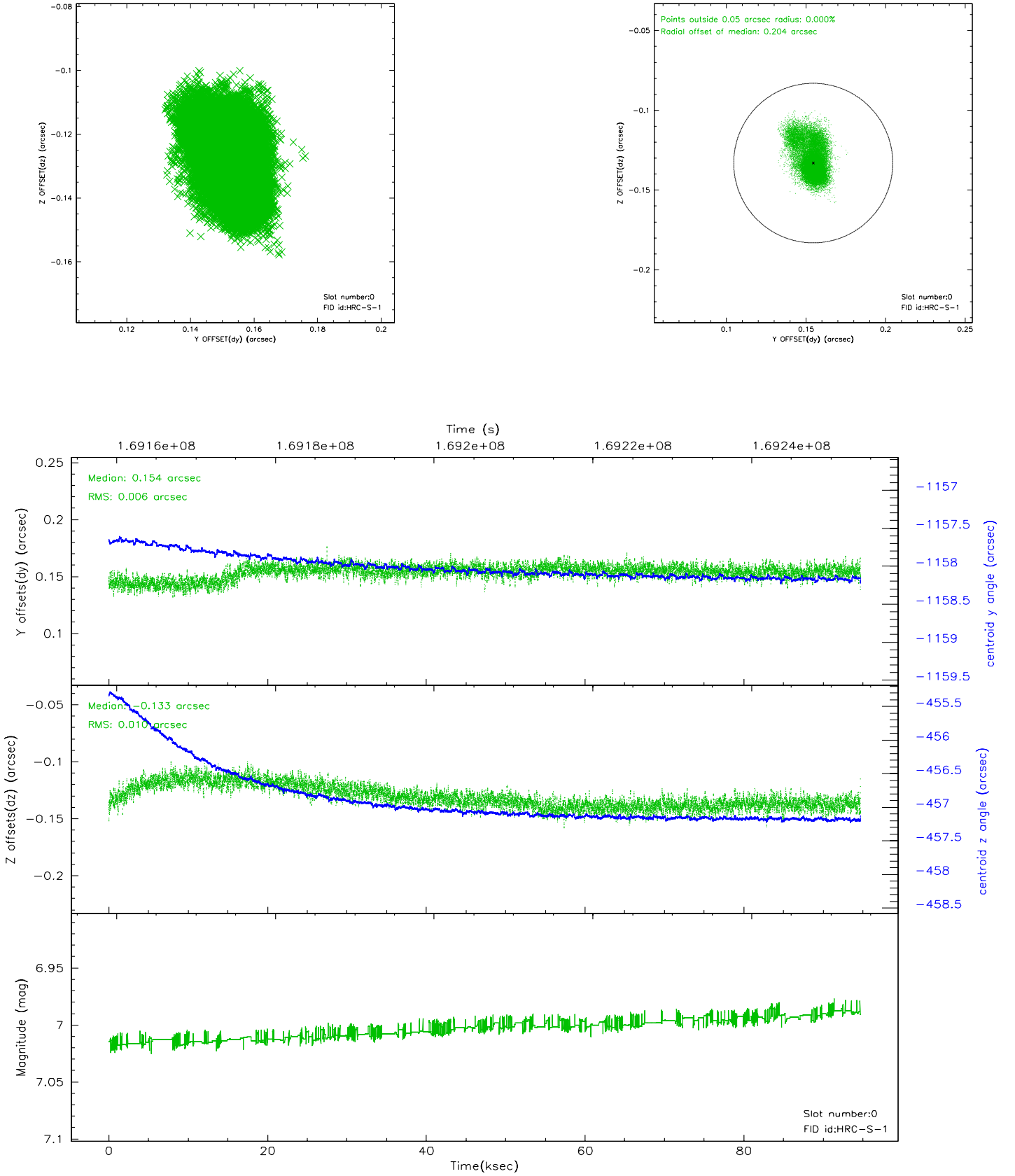


2.4.5 Slot 7

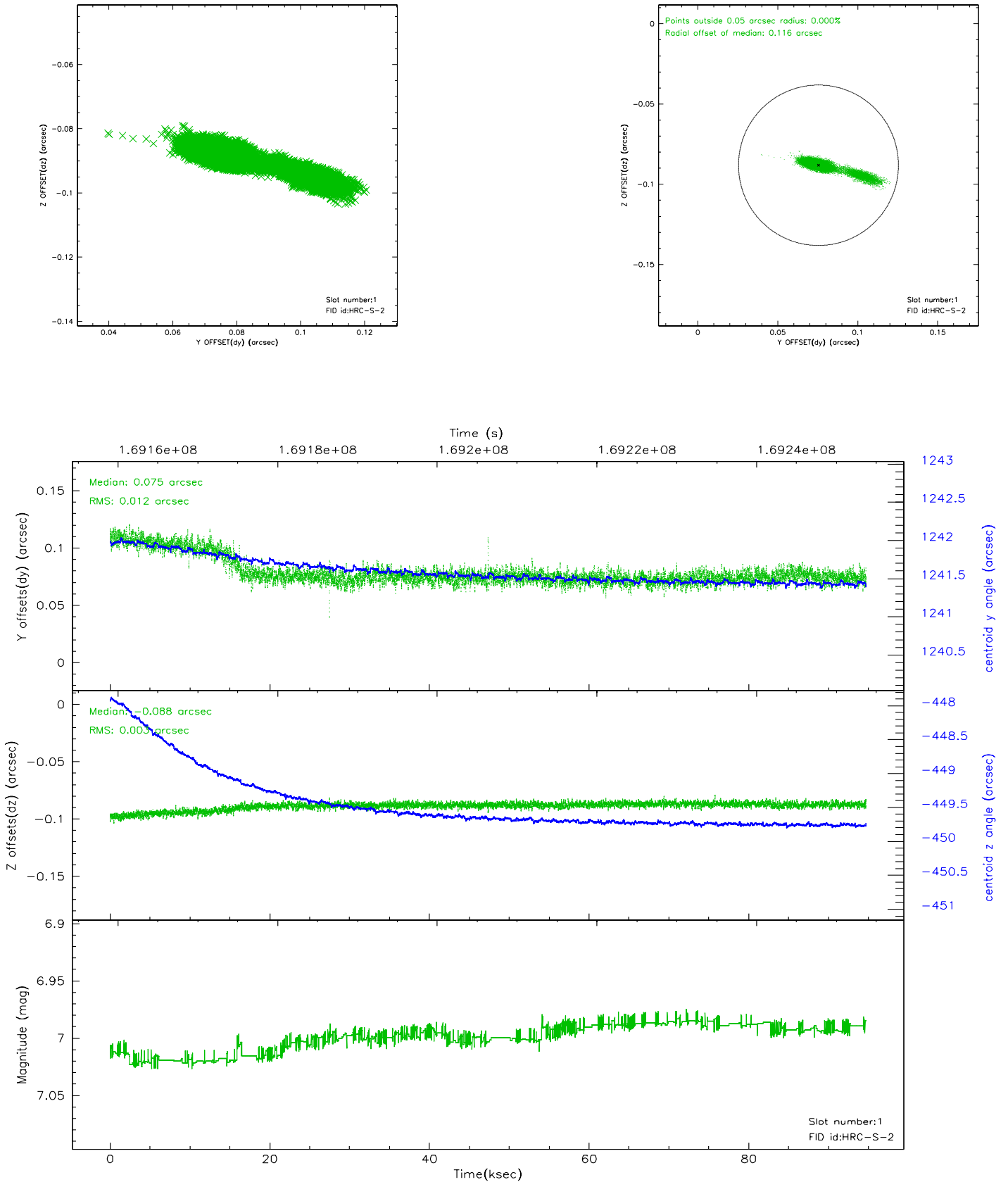


2.5 FID Slots

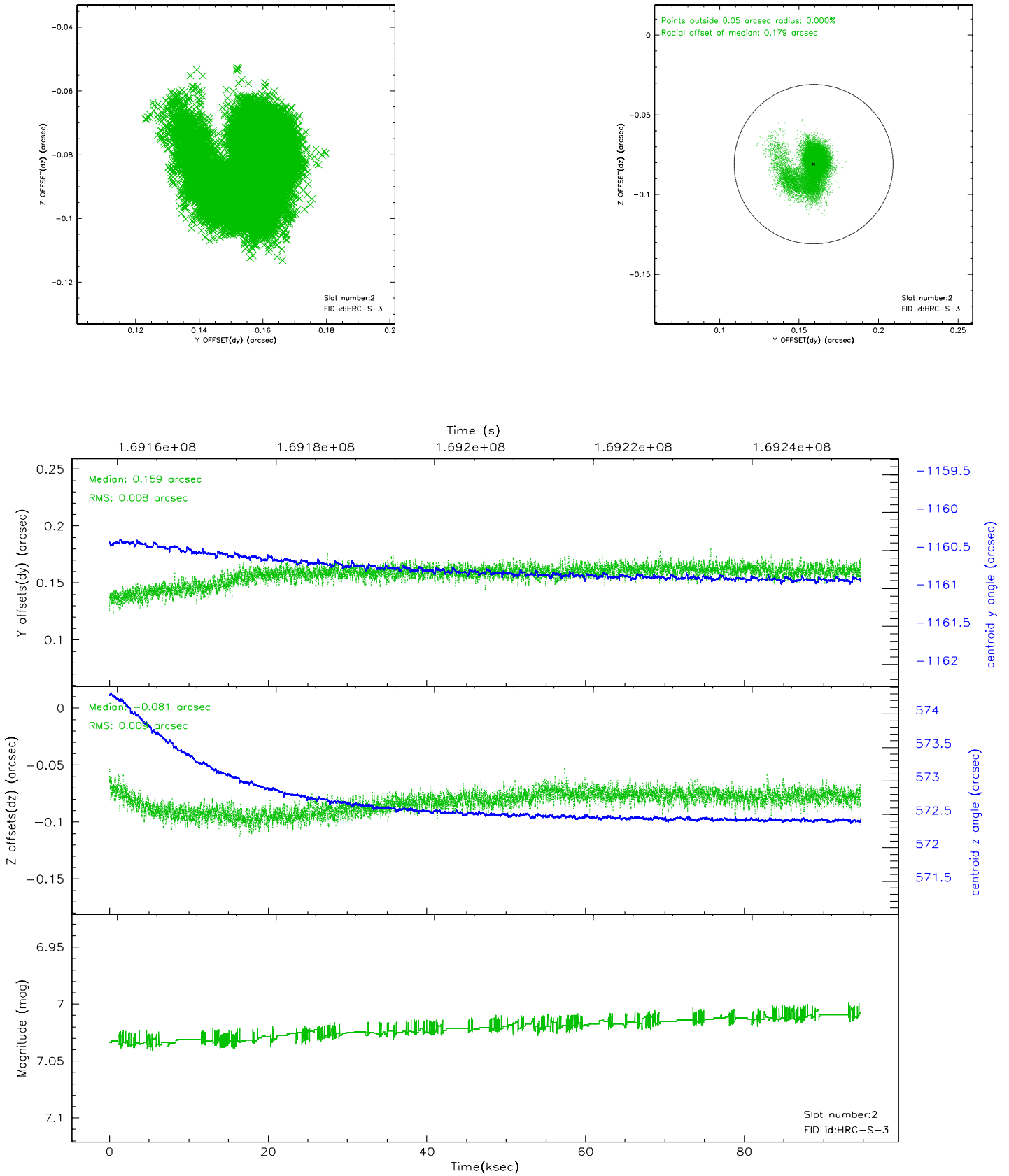
2.5.1 Slot 0



2.5.2 Slot 1

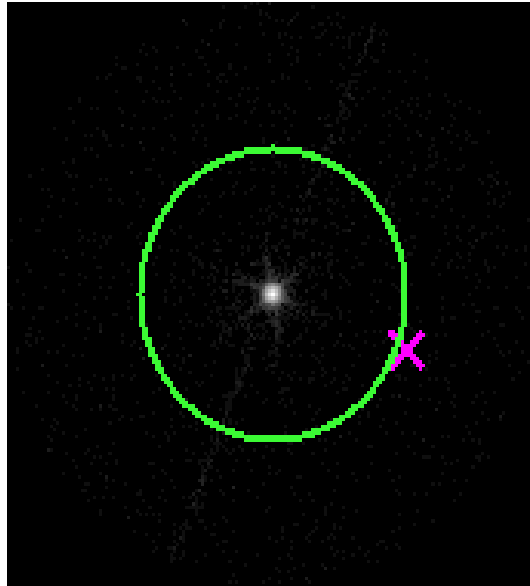


2.5.3 Slot 2



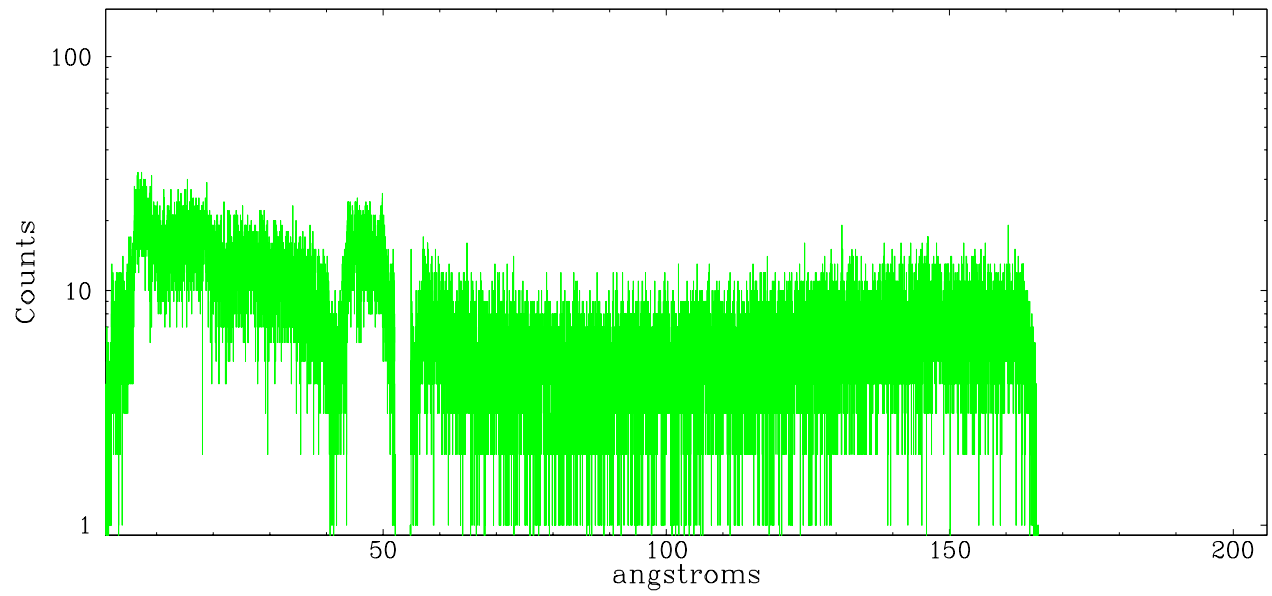
3 Gratings

3.1 LETG Arm

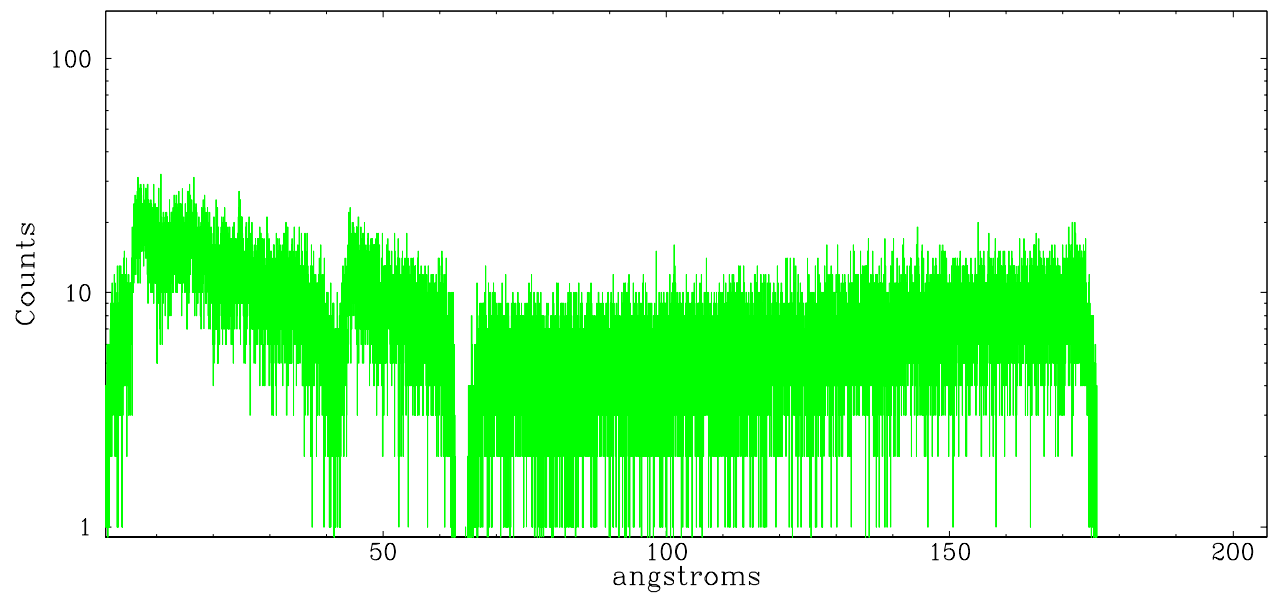


LETG Zero Order

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	94.703

A.2 Comments