

V&V Reference Report

L2 ASCDS Version : 7.6.8.1

Observation 4436 - L2 Version 001
Chandra X-Ray Center

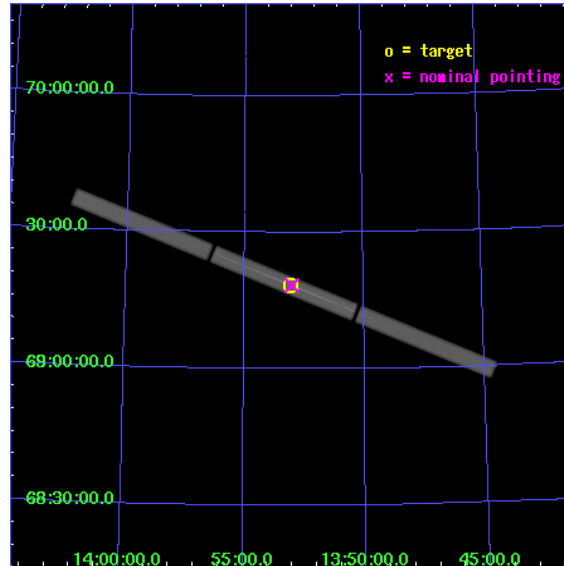
L2 Processing Date : Aug 12 2006

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1 Front

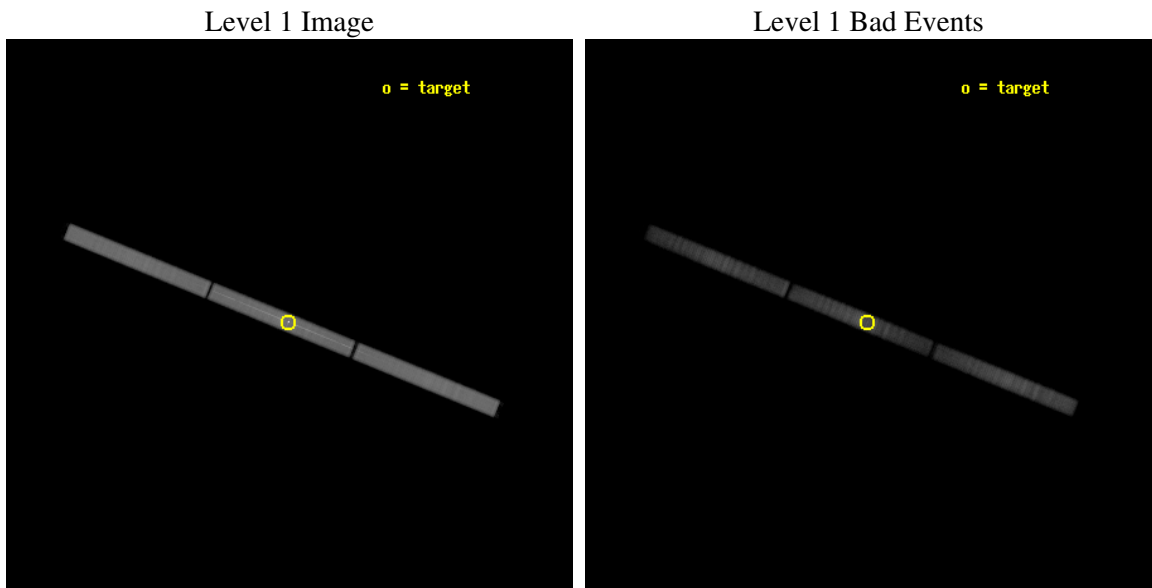
seq_num	700706
obs_id	4436
title	CONNECTING THE X-RAY AND UV IONIZED ABSORBERS IN MRK 279
observer	Dr. Jelle Kaastra
object	MRK 279
ra_targ	208.264583
dec_targ	69.308111
ra_nom	208.25218637974
dec_nom	69.3065025692
roll_nom	202.07891425866
revision	2
ontime	29182.00748679
livetime	29012.231782728
l2events	1265600



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0
ascdsver	7.6.8.1
caldbver	3.2.3
date	2006-08-12T07:09:02
revision	2

sched_exp_time	29355.000000
ontime	29502.832500398
l1events	1893950

2.1.3 Events

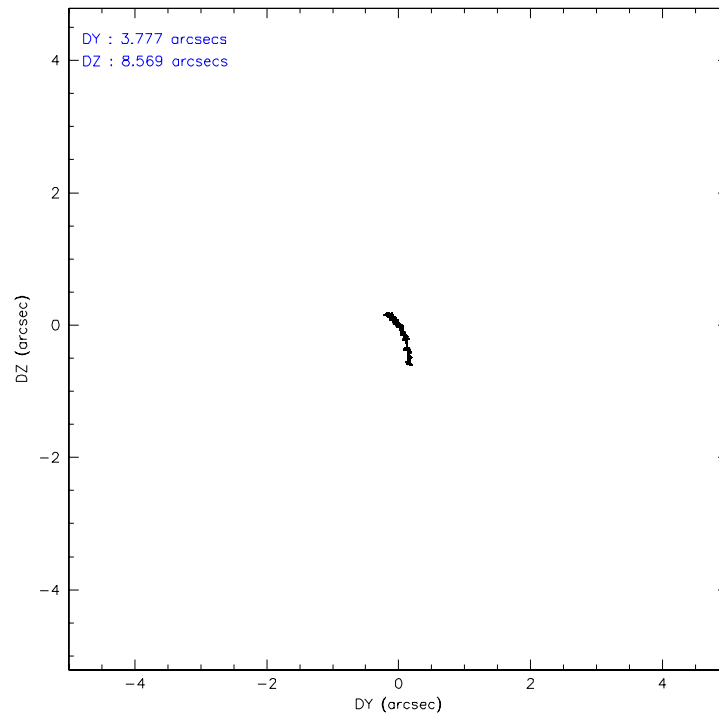
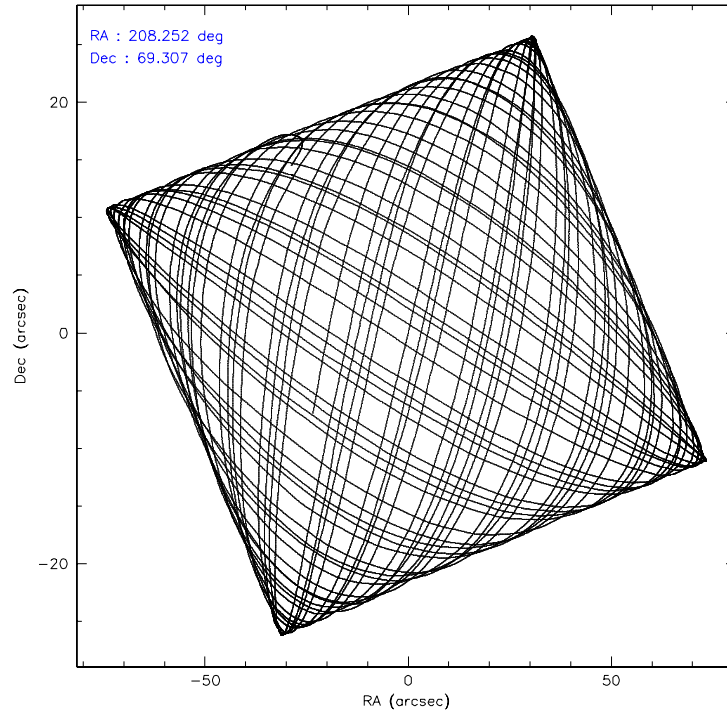
Level 1 Events

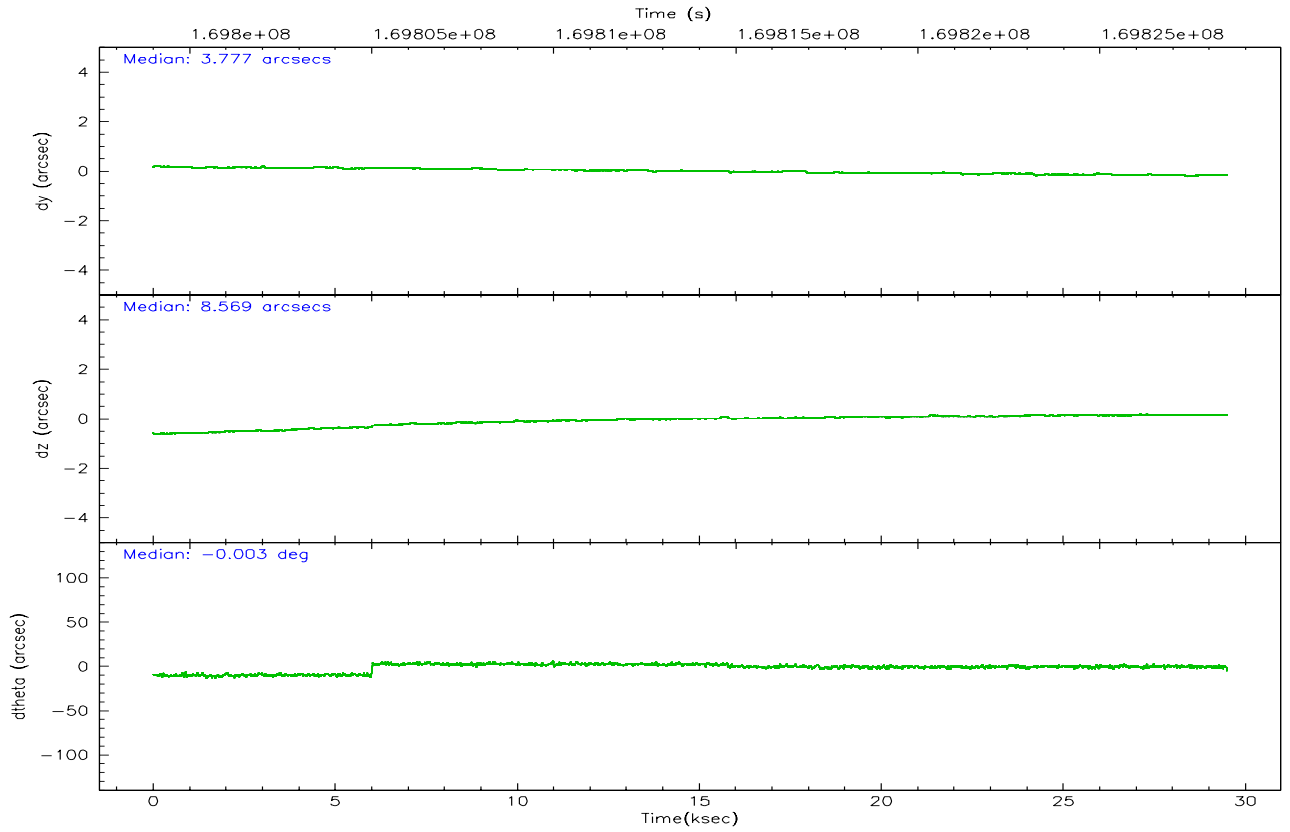
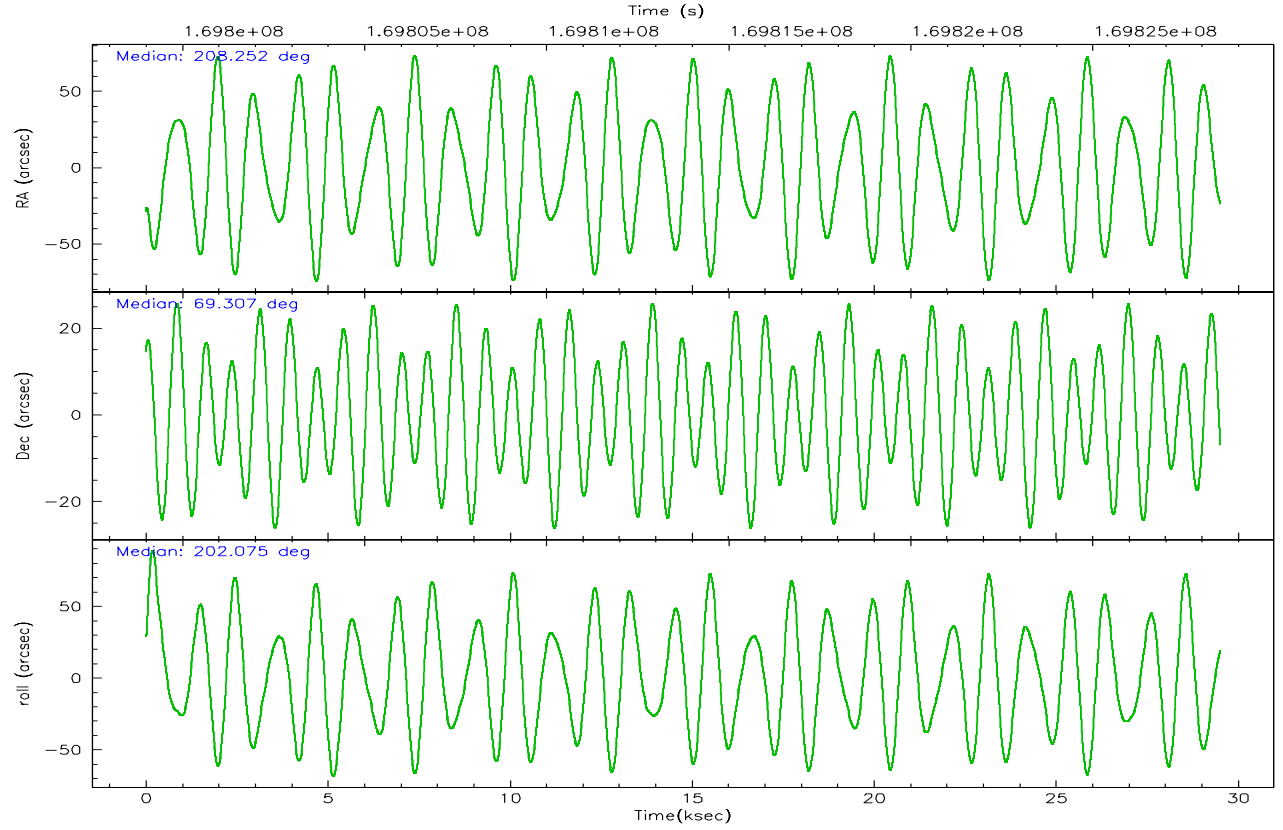
	segment 1	segment 2	segment 3
level 1 events	617316	656040	620594
rejected events	136439	148277	166521
rejected %	22%	22%	26%

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	208.2521863797429			
Pointing Dec	69.329880	69.30650256920032			
Pointing Roll	201.968040	202.0789142586619			
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	169799137.184000	169797815.79873			
Observation start date	2003-05-20T06:24:33	2003-05-20T06:03:35			
Observation end time	169828492.184000	169830135.0751			
Observation end date	2003-05-20T14:33:48	2003-05-20T15:02:15			

2.3 Aspect



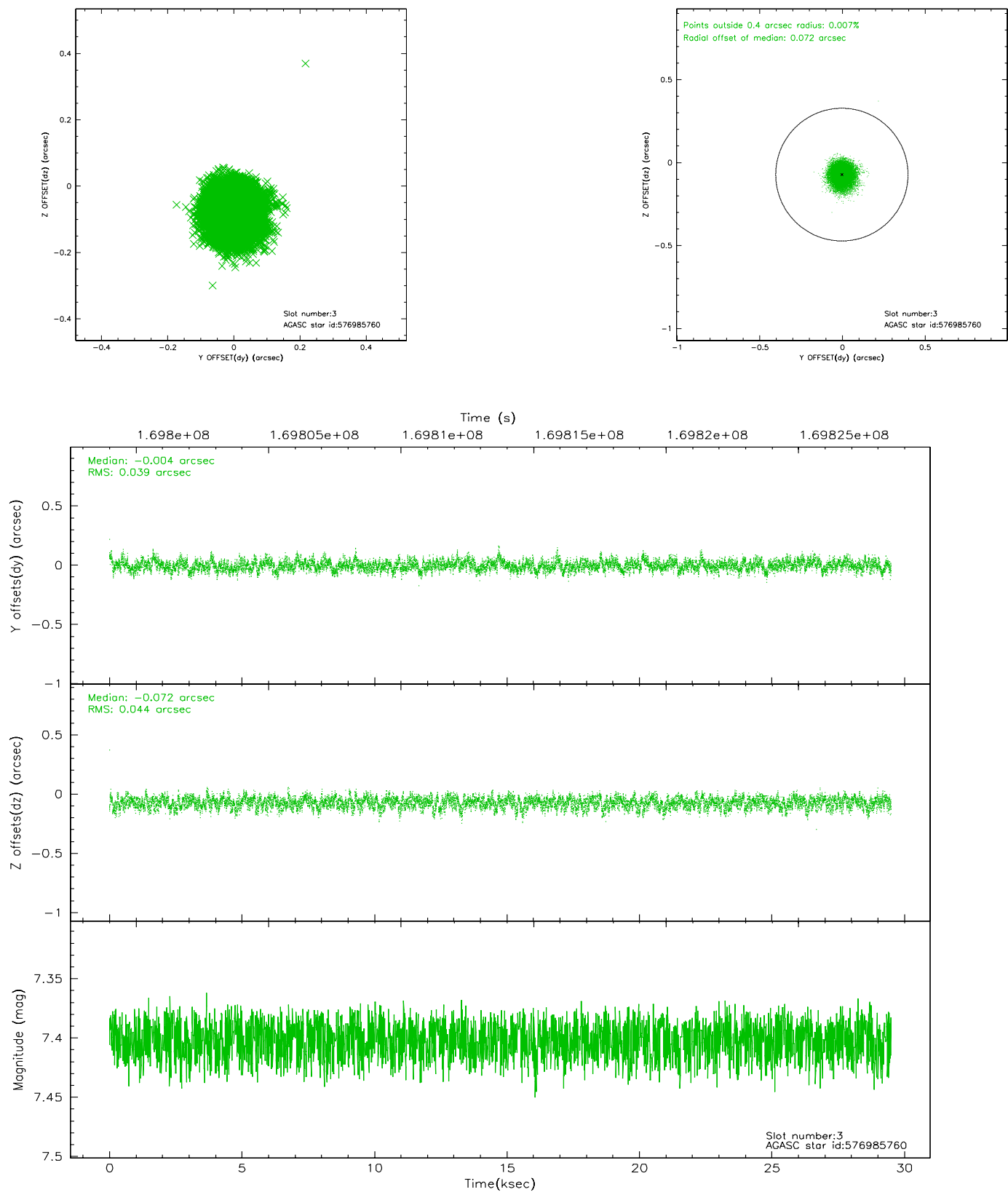


Slot Statistics

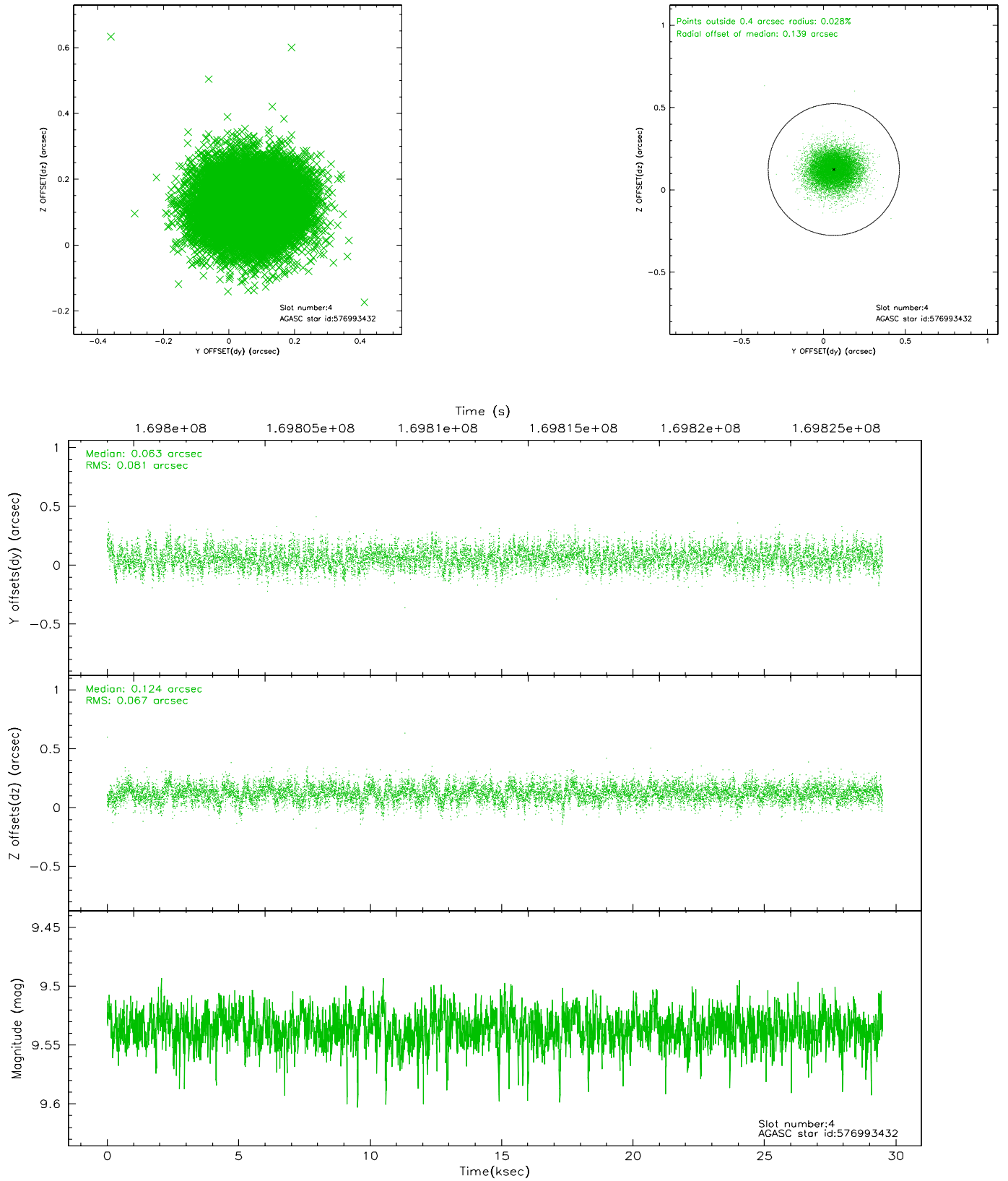
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.99	7194	0.133	-0.119	0.014	0.025	0.000000	0.000000	-1157.84	-457.07
1	FID	HRC-S-3	7.01	7194	0.118	-0.075	0.014	0.040	0.000000	0.000000	-1160.73	572.44
2	FID	HRC-S-4	6.96	7193	0.136	-0.101	0.007	0.016	0.000000	0.000000	1240.26	575.11
3	GUIDE	576985760	7.40	14391	-0.004	-0.072	0.063	0.100	207.721529	69.153363	922.28	309.81
4	GUIDE	576993432	9.54	14376	0.063	0.124	0.112	0.181	207.256317	68.646298	2183.70	1760.86
5	GUIDE	577120624	7.14	14389	-0.082	-0.034	0.063	0.099	208.865374	69.935124	-1465.00	-1761.71
6	GUIDE	577121192	7.87	14387	0.018	0.037	0.075	0.132	208.693523	69.547622	-754.27	-542.50
7	GUIDE	577124216	10.10	14329	0.005	-0.050	0.157	0.261	209.315908	68.857467	-592.69	2061.15

2.4 Star Slots

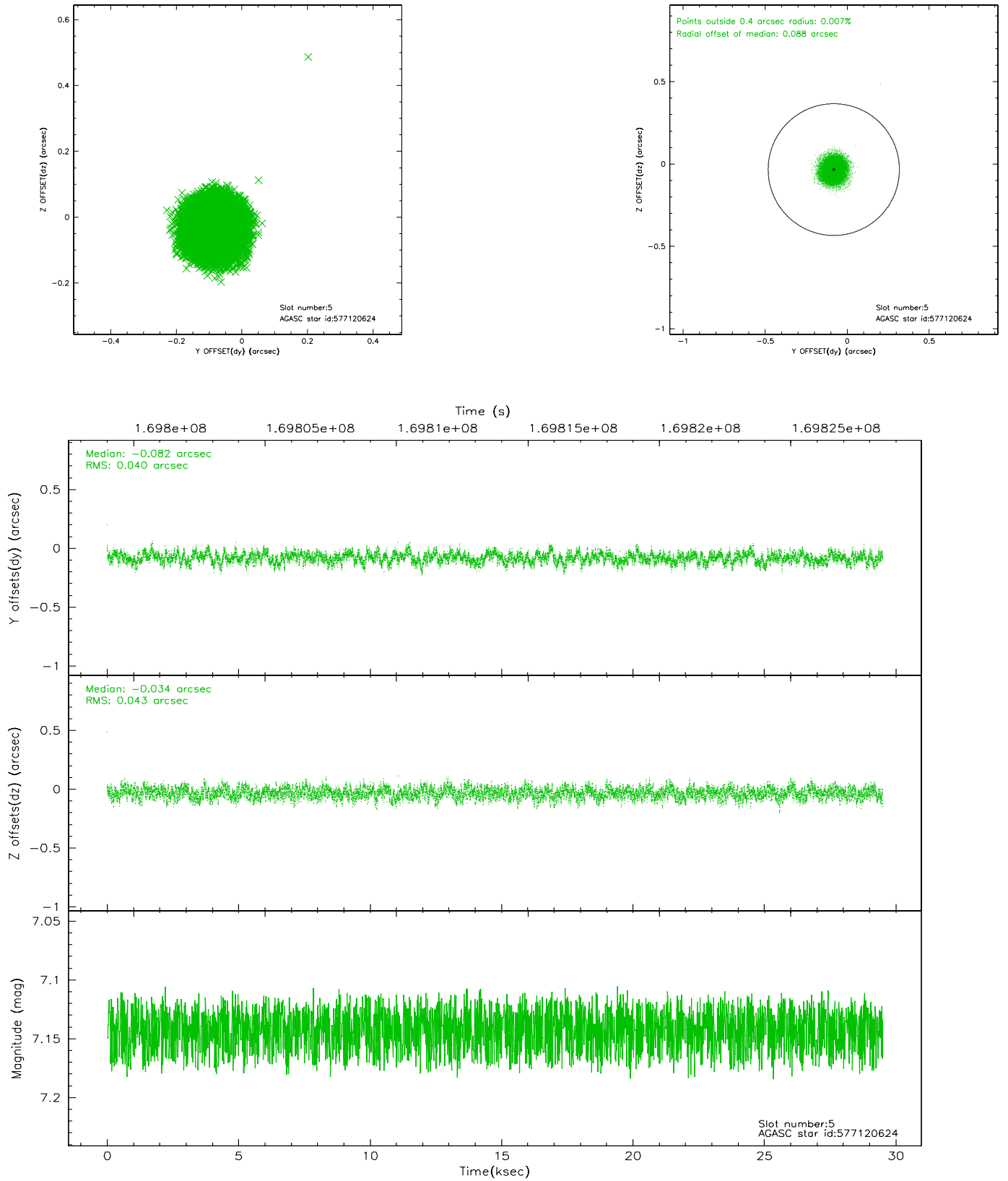
2.4.1 Slot 3



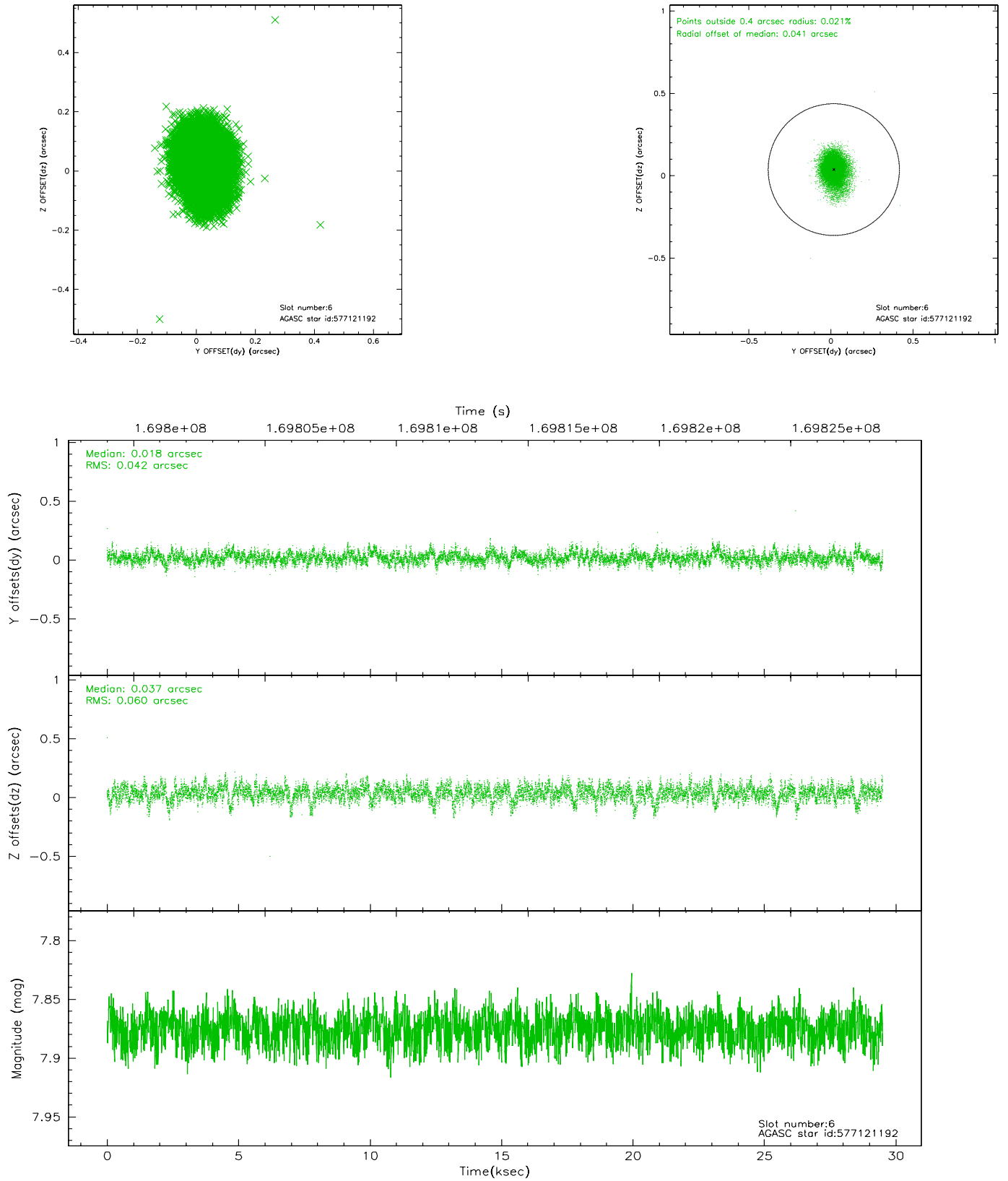
2.4.2 Slot 4



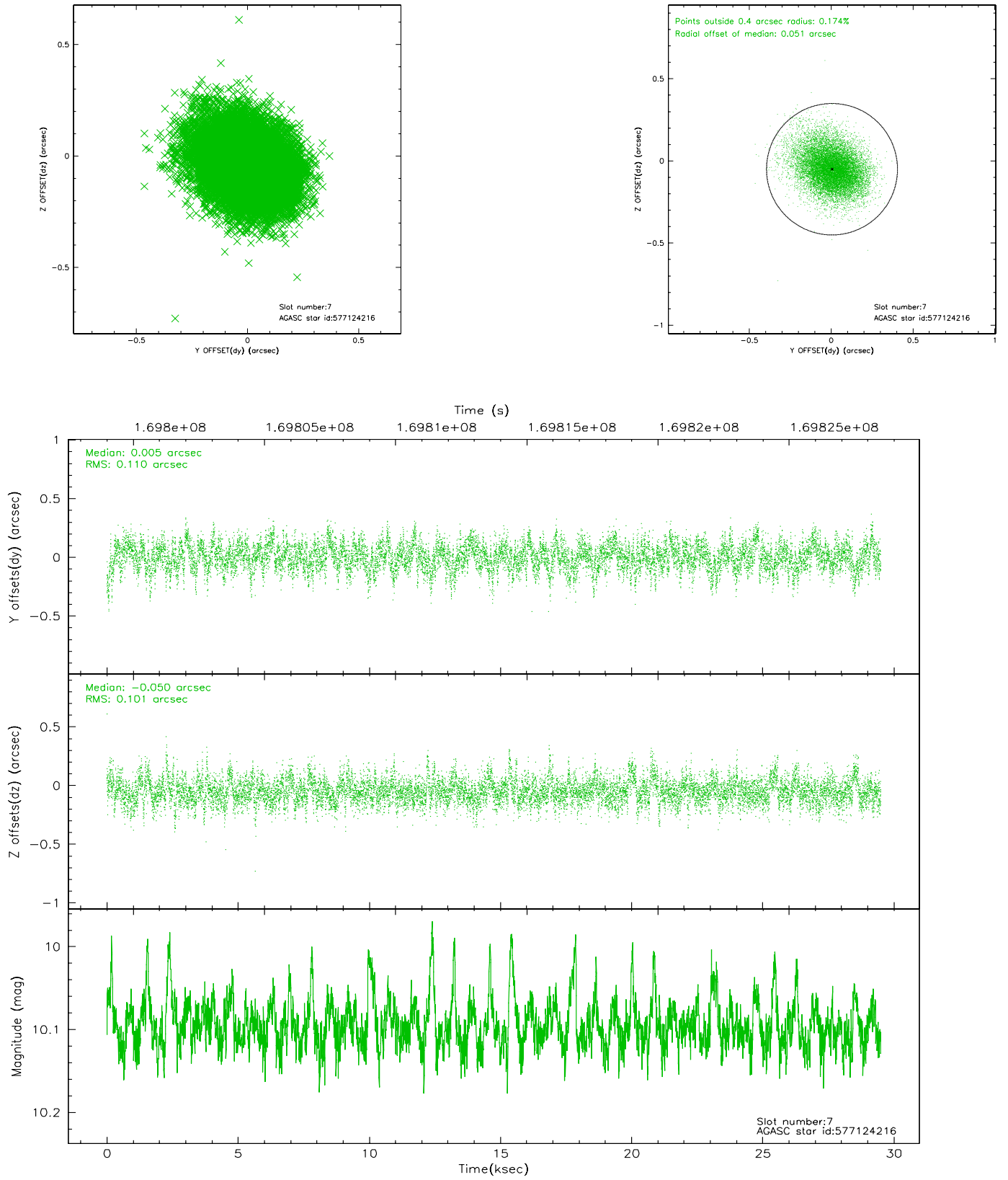
2.4.3 Slot 5



2.4.4 Slot 6

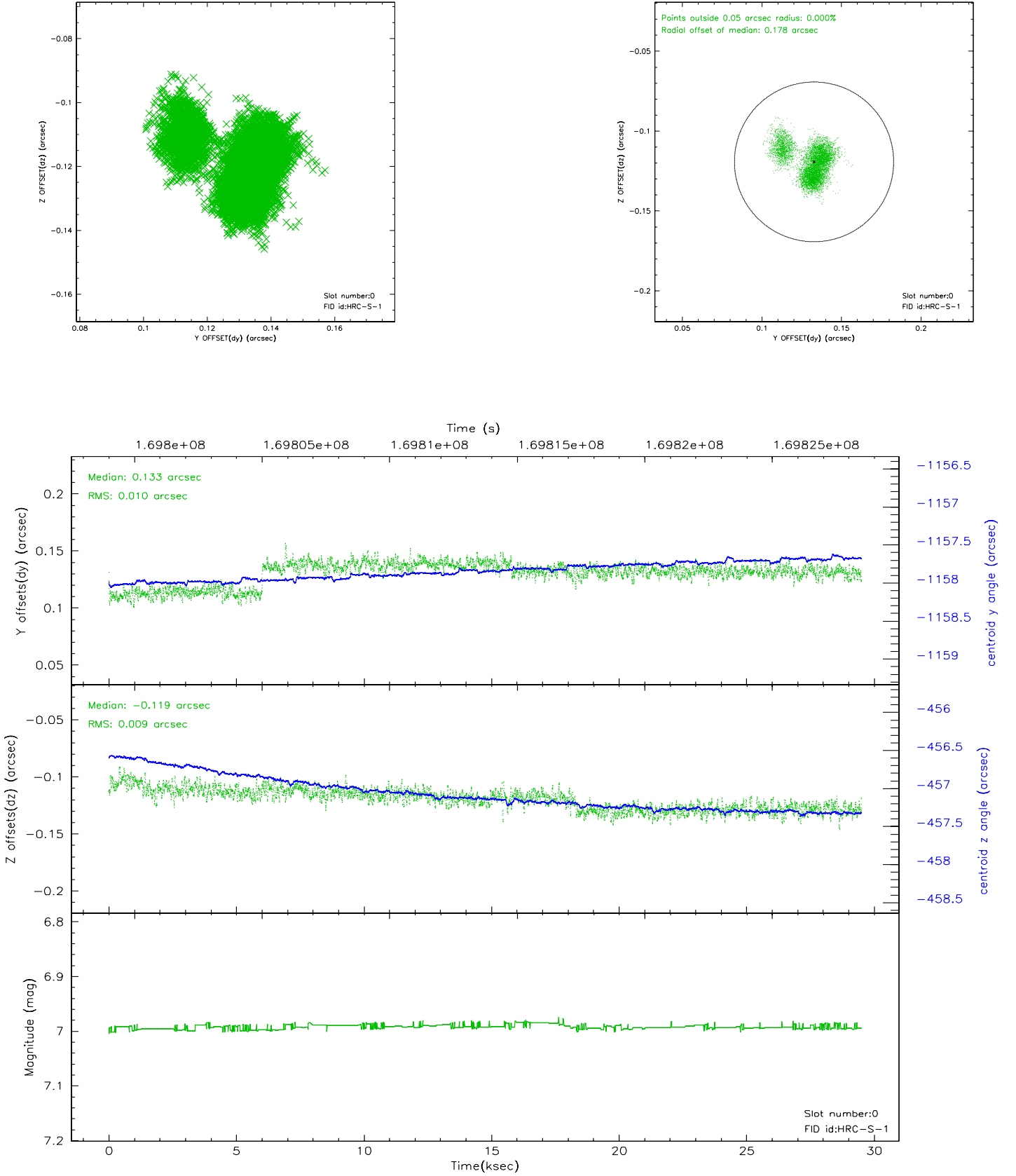


2.4.5 Slot 7

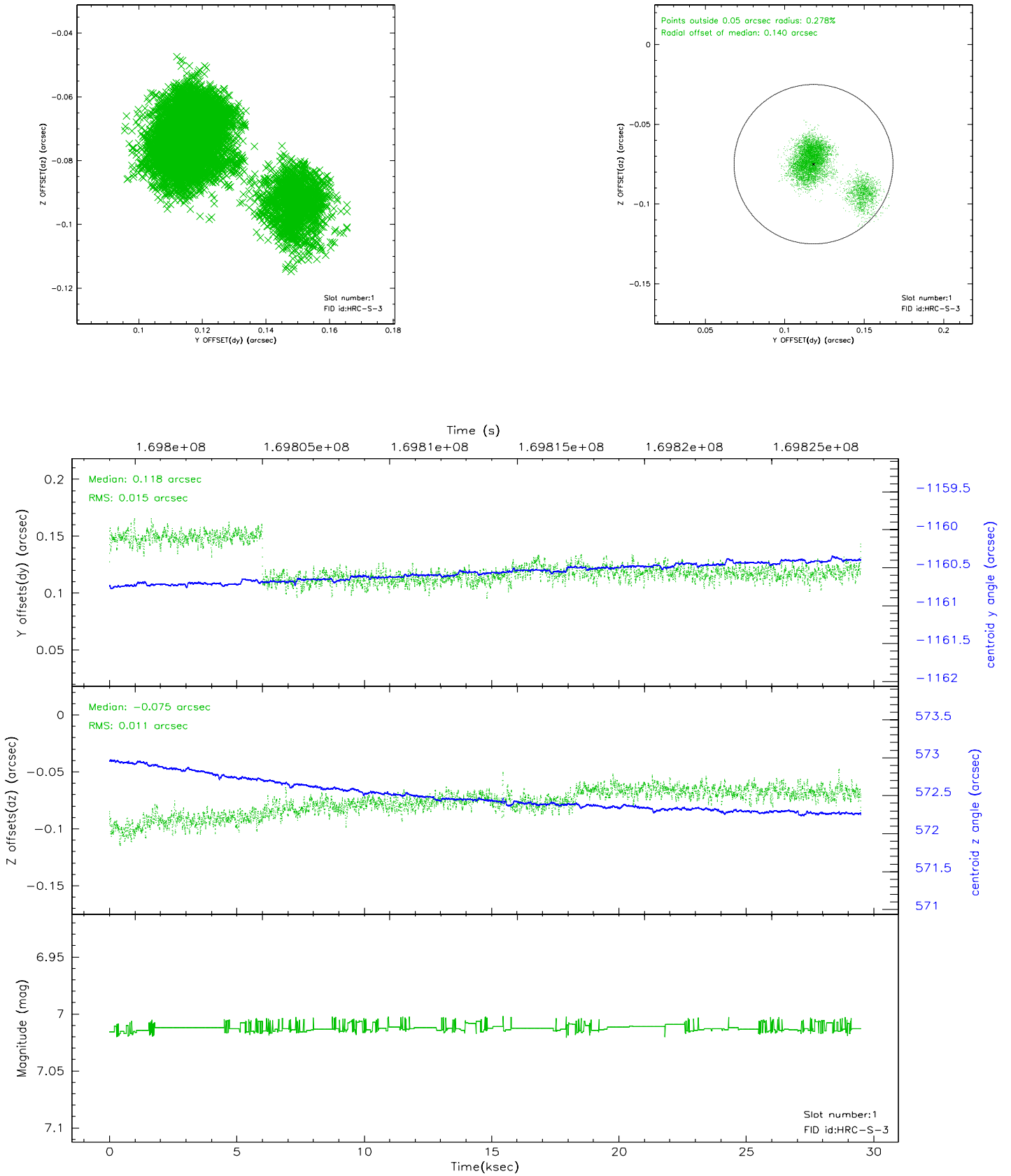


2.5 FID Slots

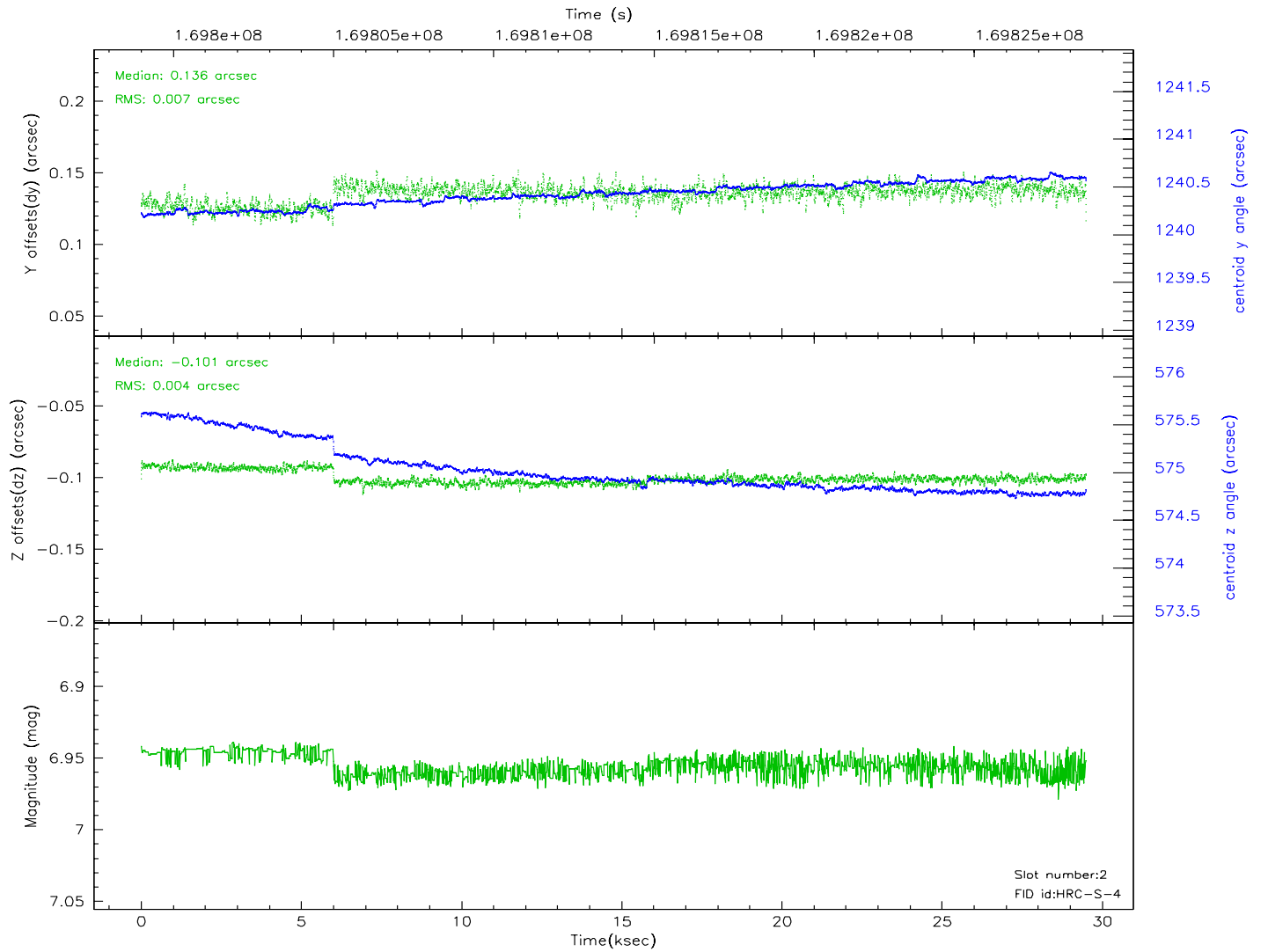
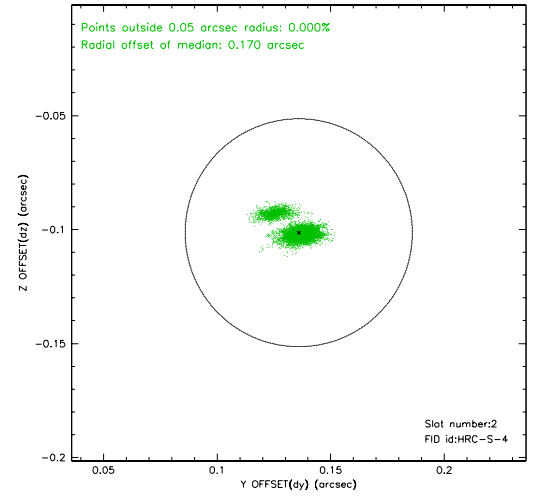
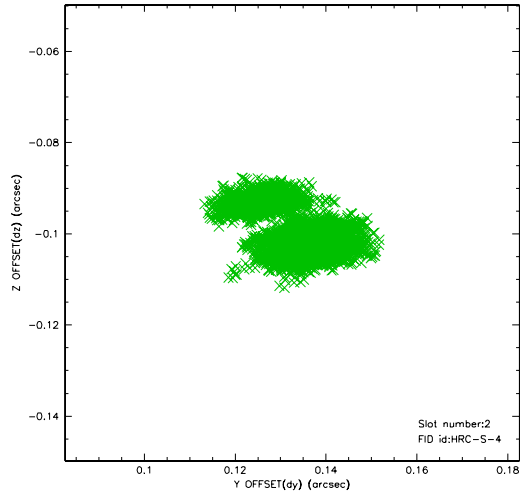
2.5.1 Slot 0



2.5.2 Slot 1

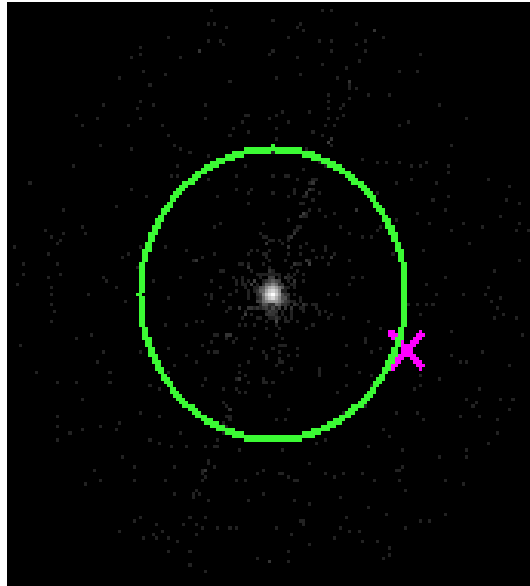


2.5.3 Slot 2



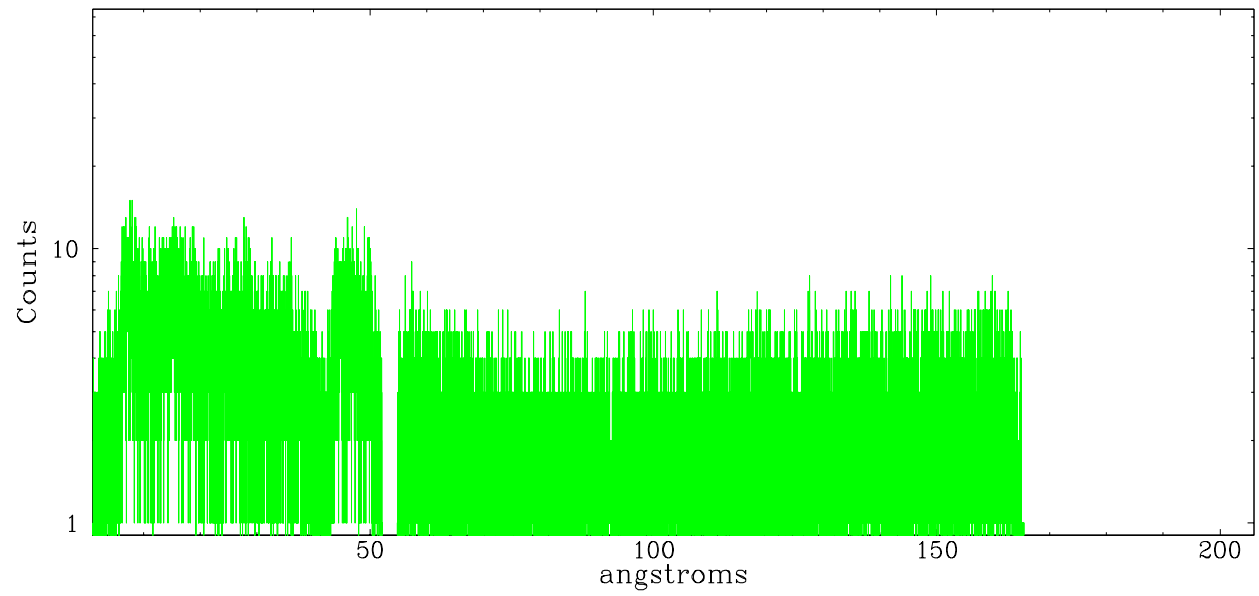
3 Gratings

3.1 LETG Arm

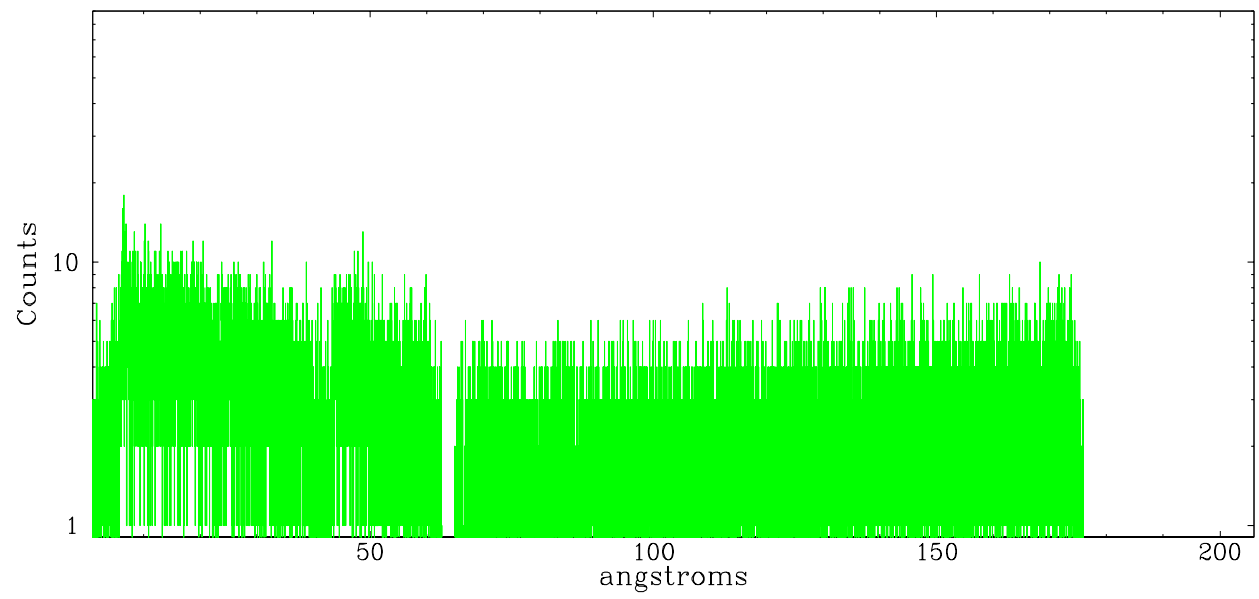


LETG Zero Order

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	29.182

A.2 Comments