

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 1009 - L2 Version 001
Chandra X-Ray Center

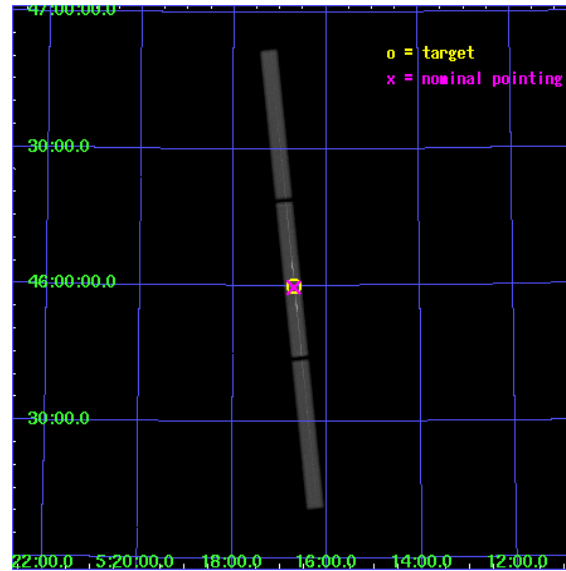
L2 Processing Date : Nov 8 2006

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1 Front

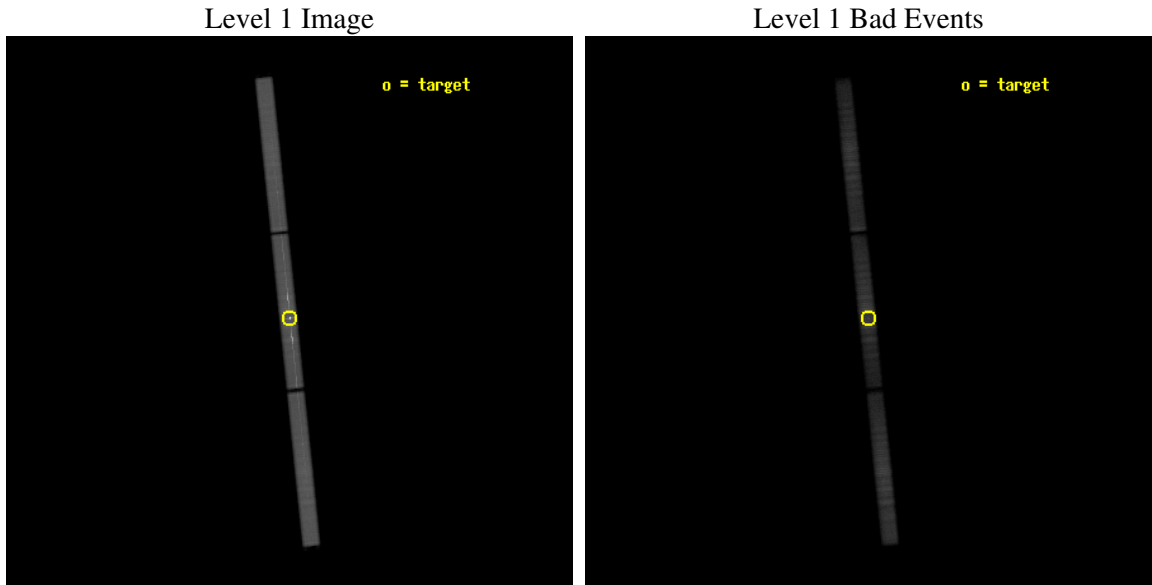
seq_num	390001
obs_id	1009
title	GRATINGS CALIBRATION OBSERVATIONS OF HZ43 AND CAPELLA
observer	Dr. CXC Calibration
object	CAPELLA
ra_targ	79.17625
dec_targ	45.997889
ra_nom	79.17531995416
dec_nom	45.993116012877
roll_nom	264.01300891855
revision	3
ontime	26982.357288852
livetime	26835.253968477
l2events	1092175



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-11-08T20:13:44
revision	3

sched_exp_time	27000.000000
ontime	27072.301043317
l1events	1676238

2.1.3 Events

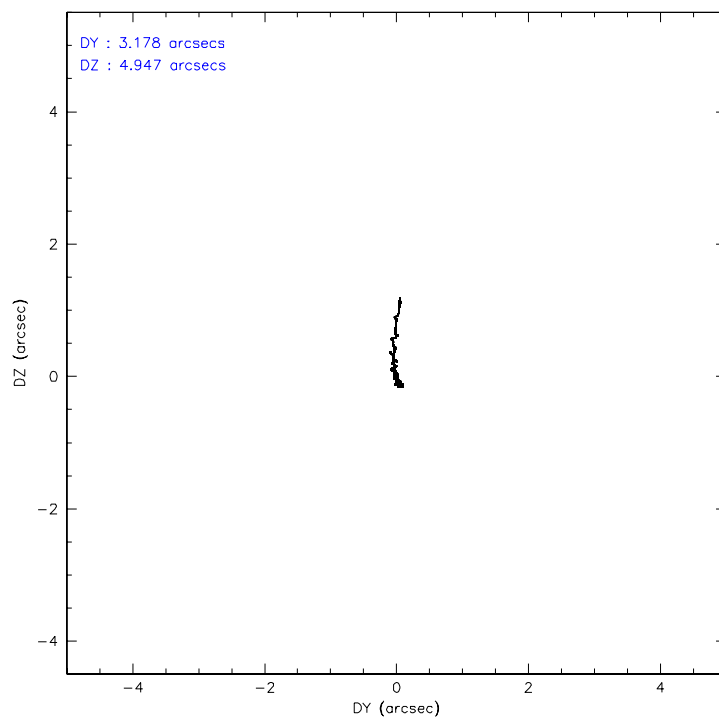
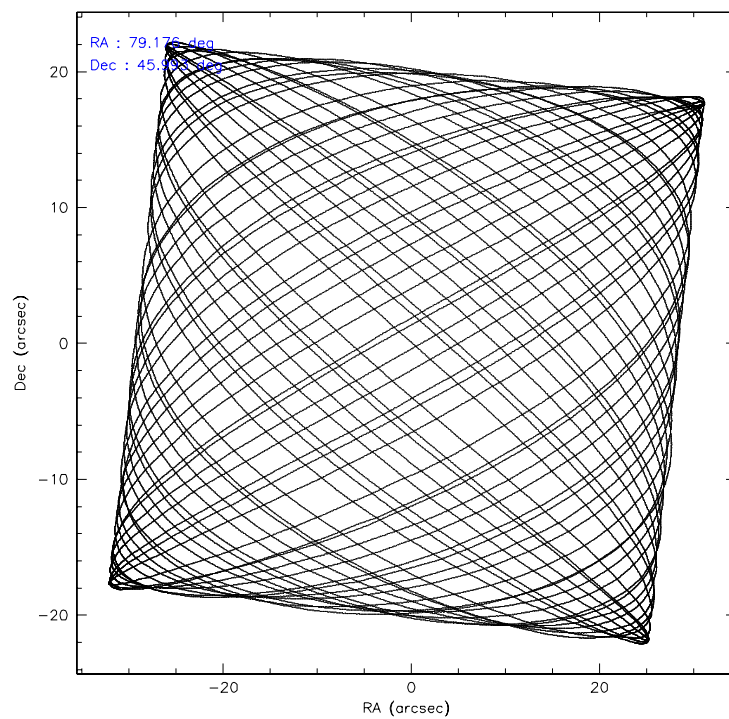
Level 1 Events

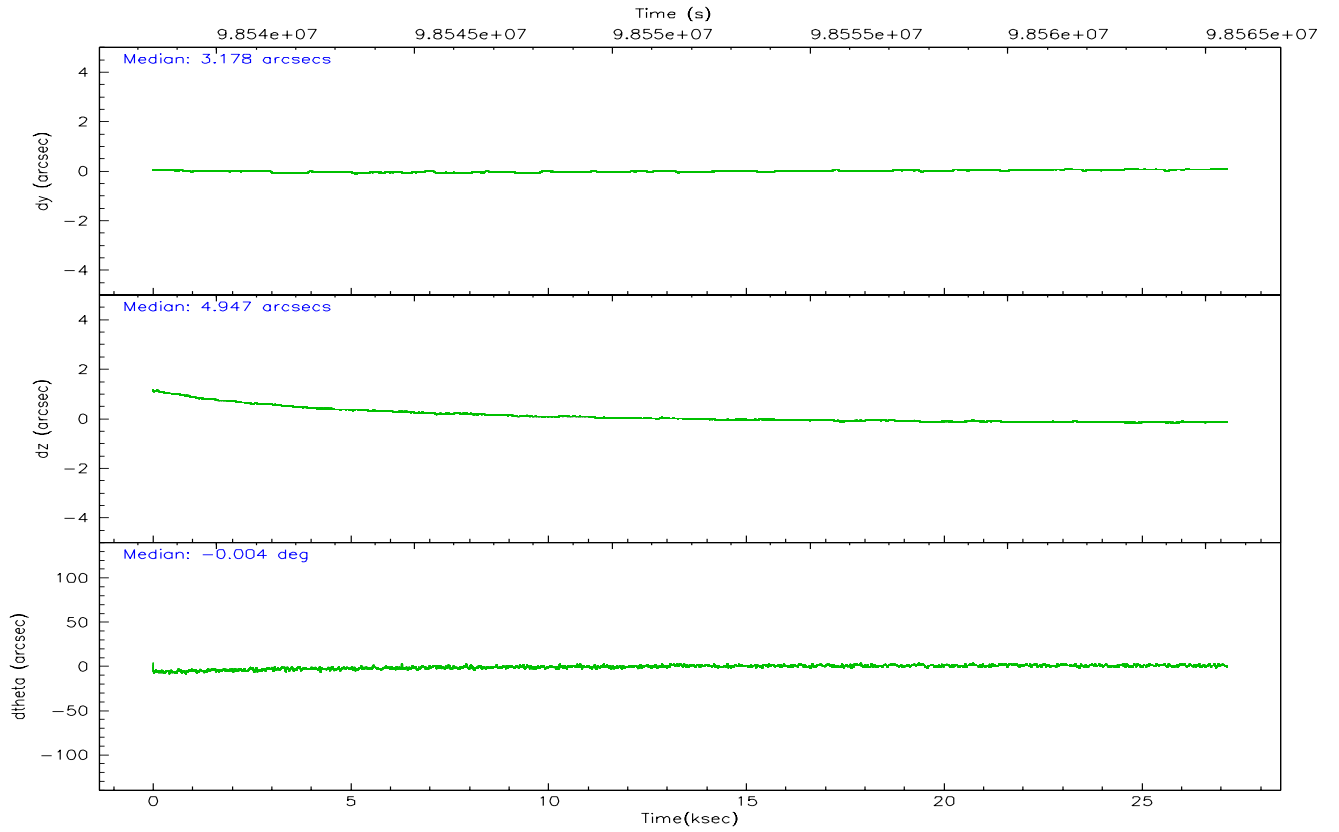
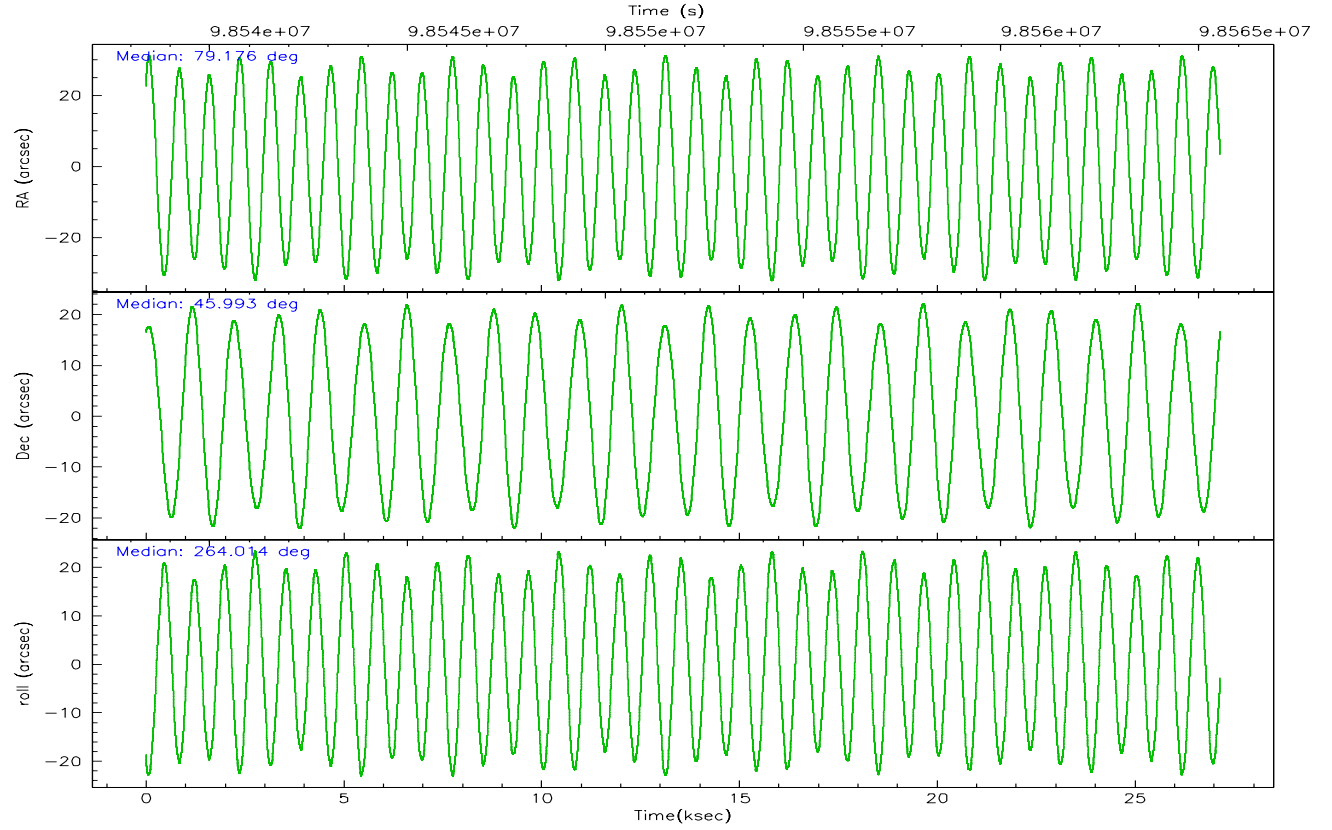
	segment 1	segment 2	segment 3
level 1 events	522814	623234	530190
rejected events	134396	143345	161315
rejected %	25%	23%	30%

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	79.156749	79.17531995415987			
Pointing Dec	46.018767	45.9931160128769			
Pointing Roll	263.959038	264.0130089185509			
Window start time	97372864.184000	97372864.184000			
Window stop time	99705664.184000	99705664.184000			
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	98538547.184000	98538107.311543			
Observation start date	2001-02-14T11:48:03	2001-02-14T11:41:47			
Observation end time	98565547.184000	98566064.700121			
Observation end date	2001-02-14T19:18:03	2001-02-14T19:27:44			

2.3 Aspect



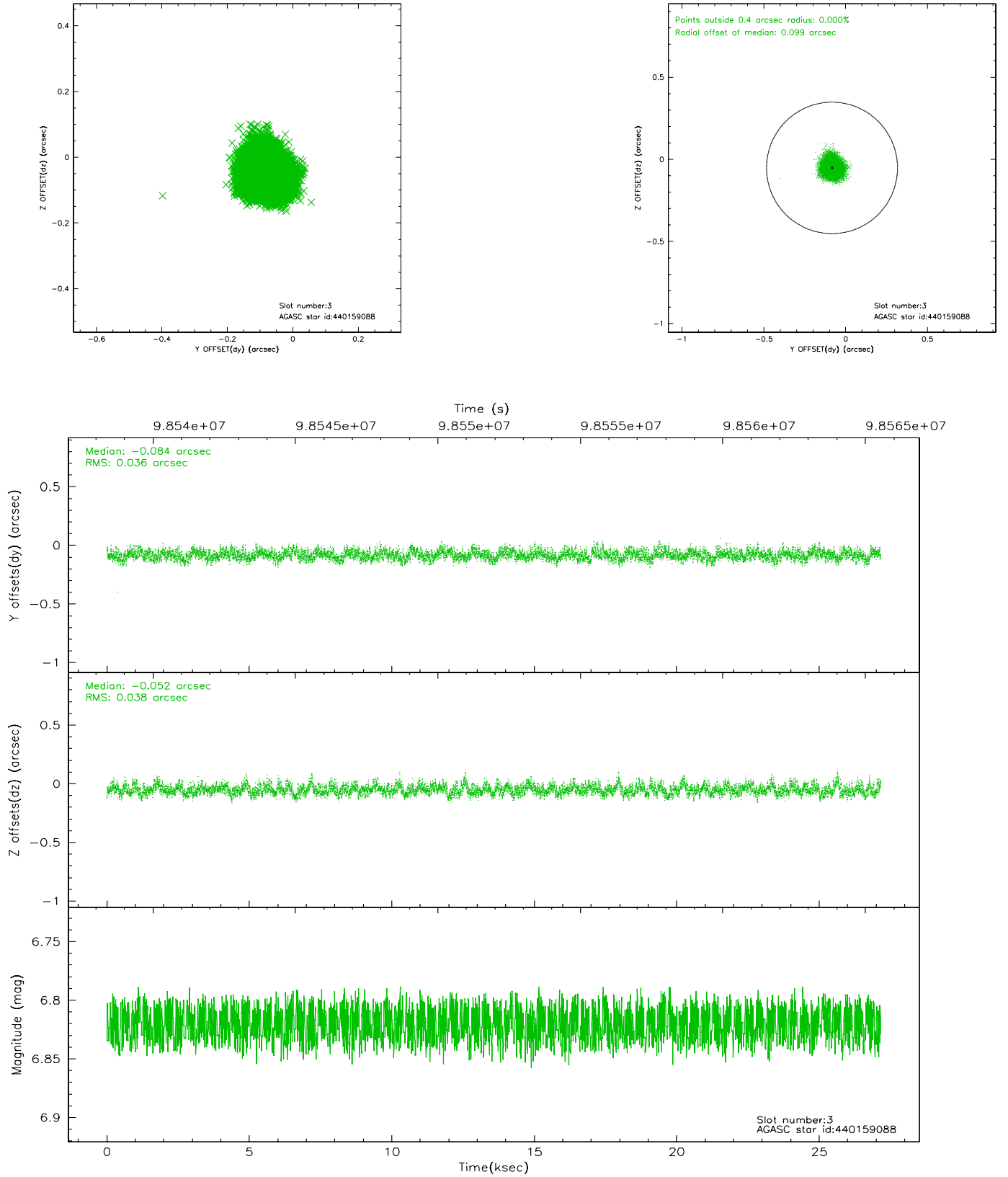


Slot Statistics

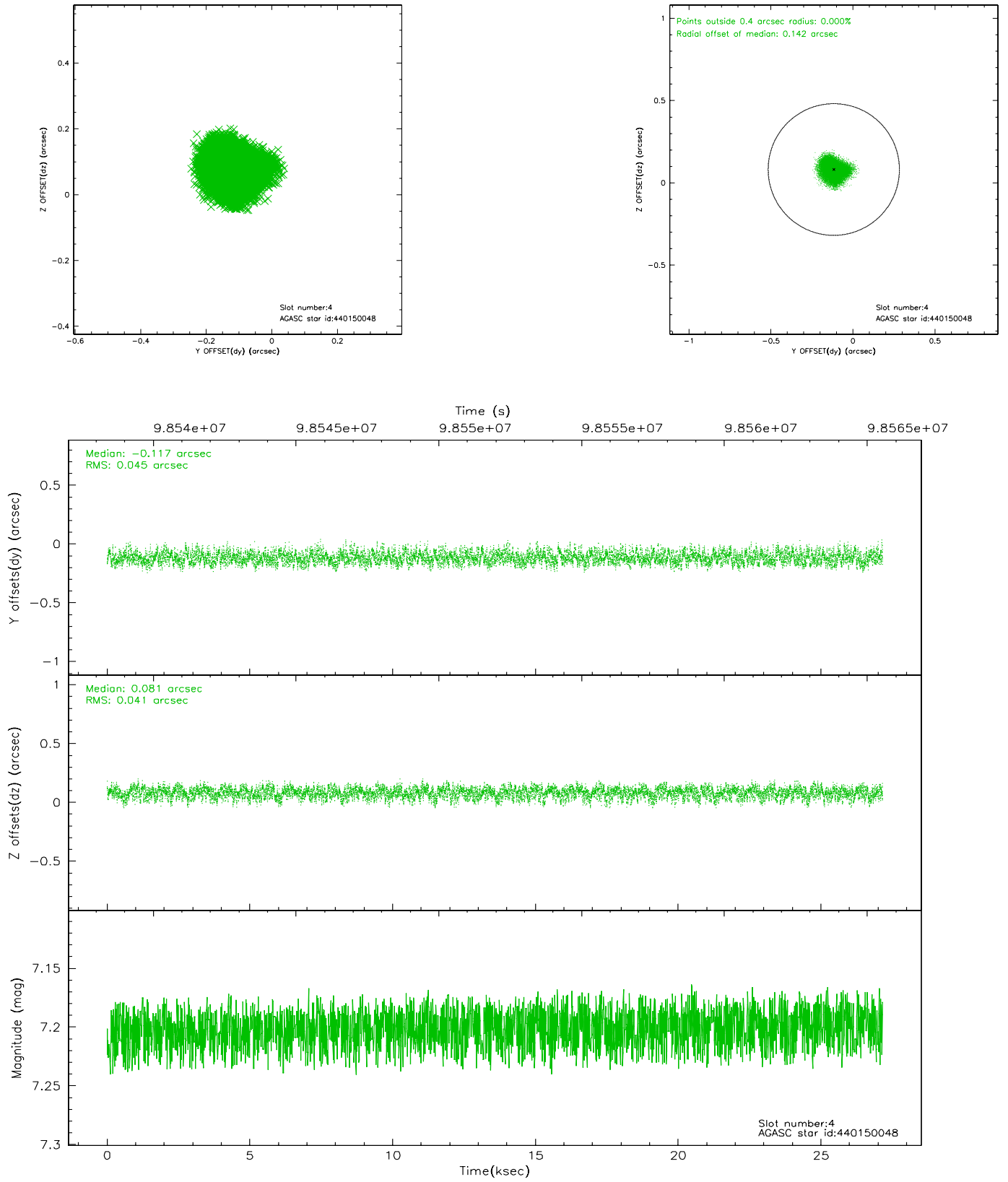
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.98	6624	0.120	-0.160	0.008	0.018	0.000000	0.000000	-1157.24	-453.62
1	FID	HRC-S-3	7.00	6625	0.144	-0.041	0.009	0.019	0.000000	0.000000	-1160.13	575.96
2	FID	HRC-S-4	6.93	6624	0.125	-0.096	0.006	0.010	0.000000	0.000000	1240.83	578.67
3	GUIDE	440159088	6.82	13250	-0.084	-0.052	0.057	0.088	79.453034	46.128063	-470.84	692.86
4	GUIDE	440150048	7.20	13249	-0.117	0.081	0.068	0.099	79.112838	46.416060	-1411.35	-259.42
5	GUIDE	440158344	7.94	13249	0.131	0.019	0.046	0.074	79.344888	45.394991	2182.30	708.62
6	GUIDE	440164960	8.30	13250	0.070	0.056	0.063	0.102	79.132526	46.140947	-431.08	-106.91
7	GUIDE	440149808	8.44	13246	-0.009	-0.099	0.079	0.132	78.873930	46.405955	-1313.87	-845.75

2.4 Star Slots

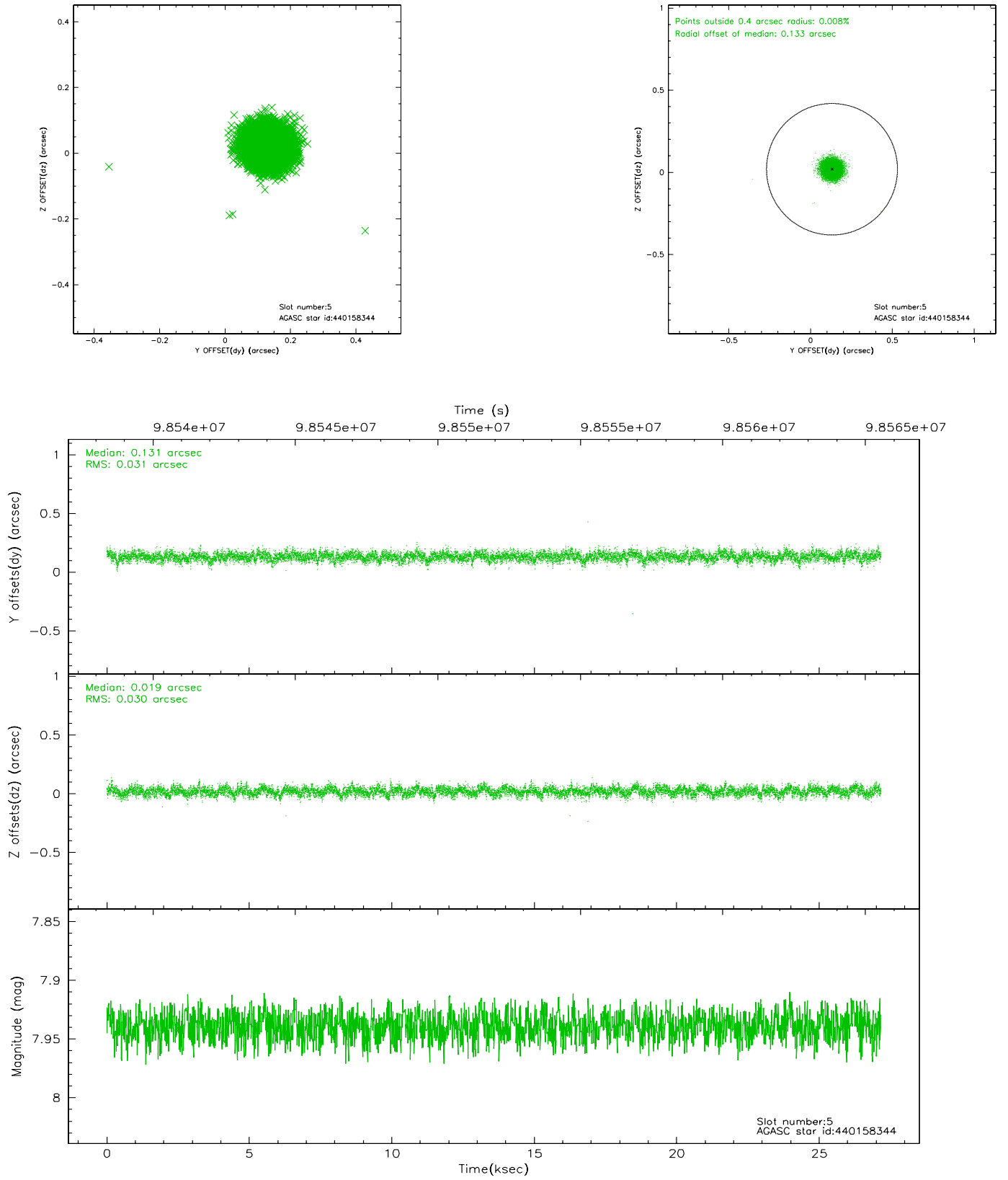
2.4.1 Slot 3



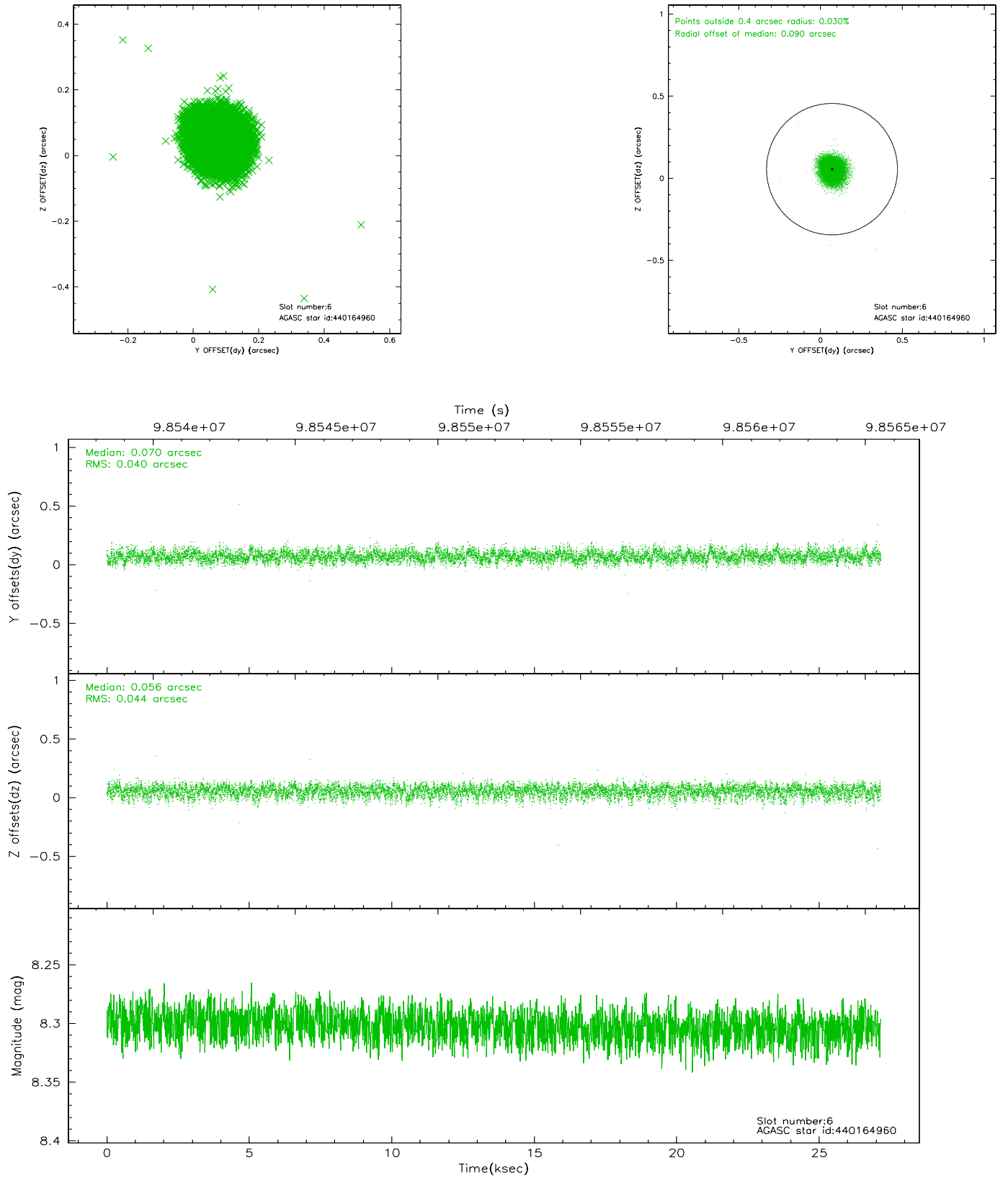
2.4.2 Slot 4



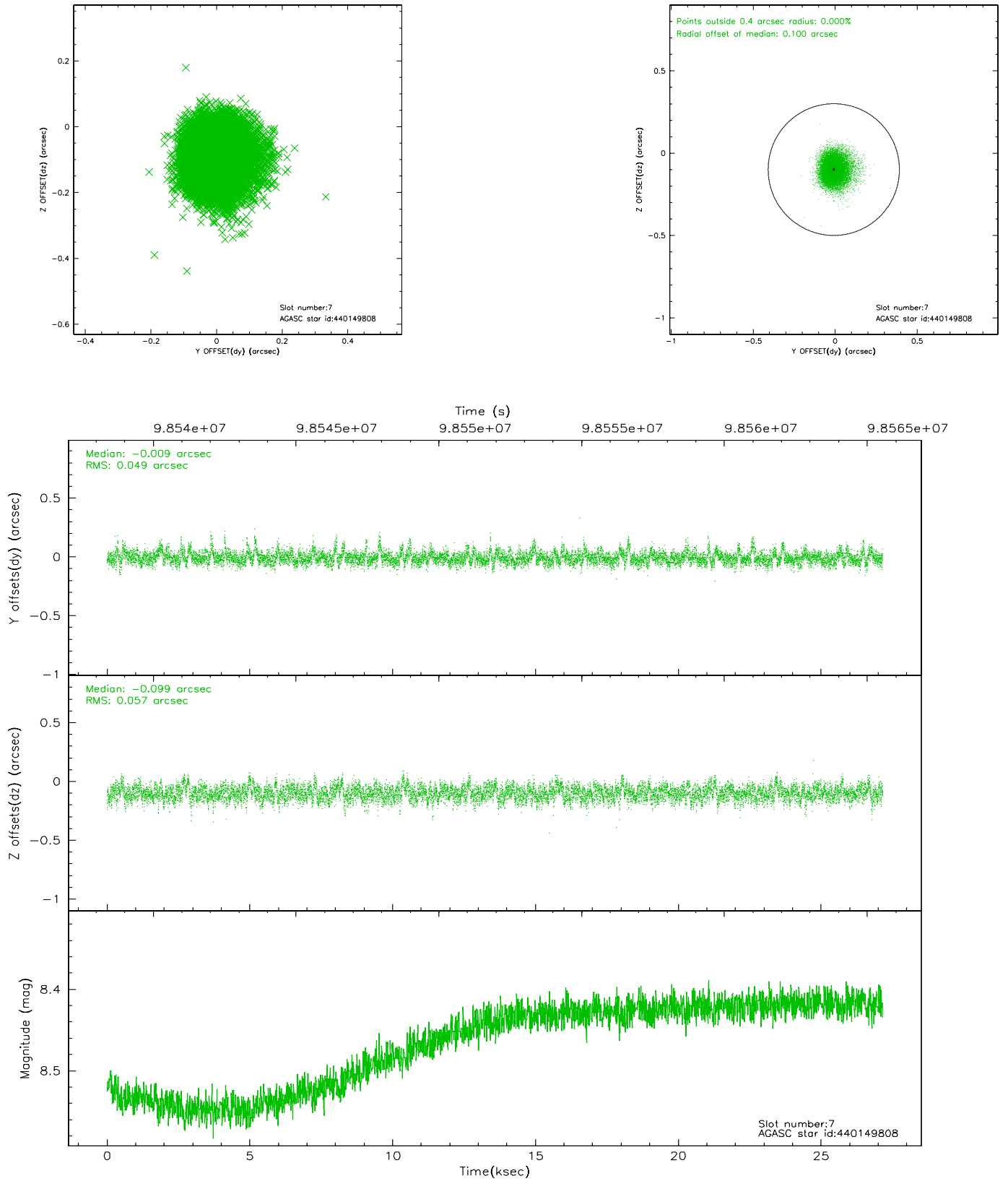
2.4.3 Slot 5



2.4.4 Slot 6

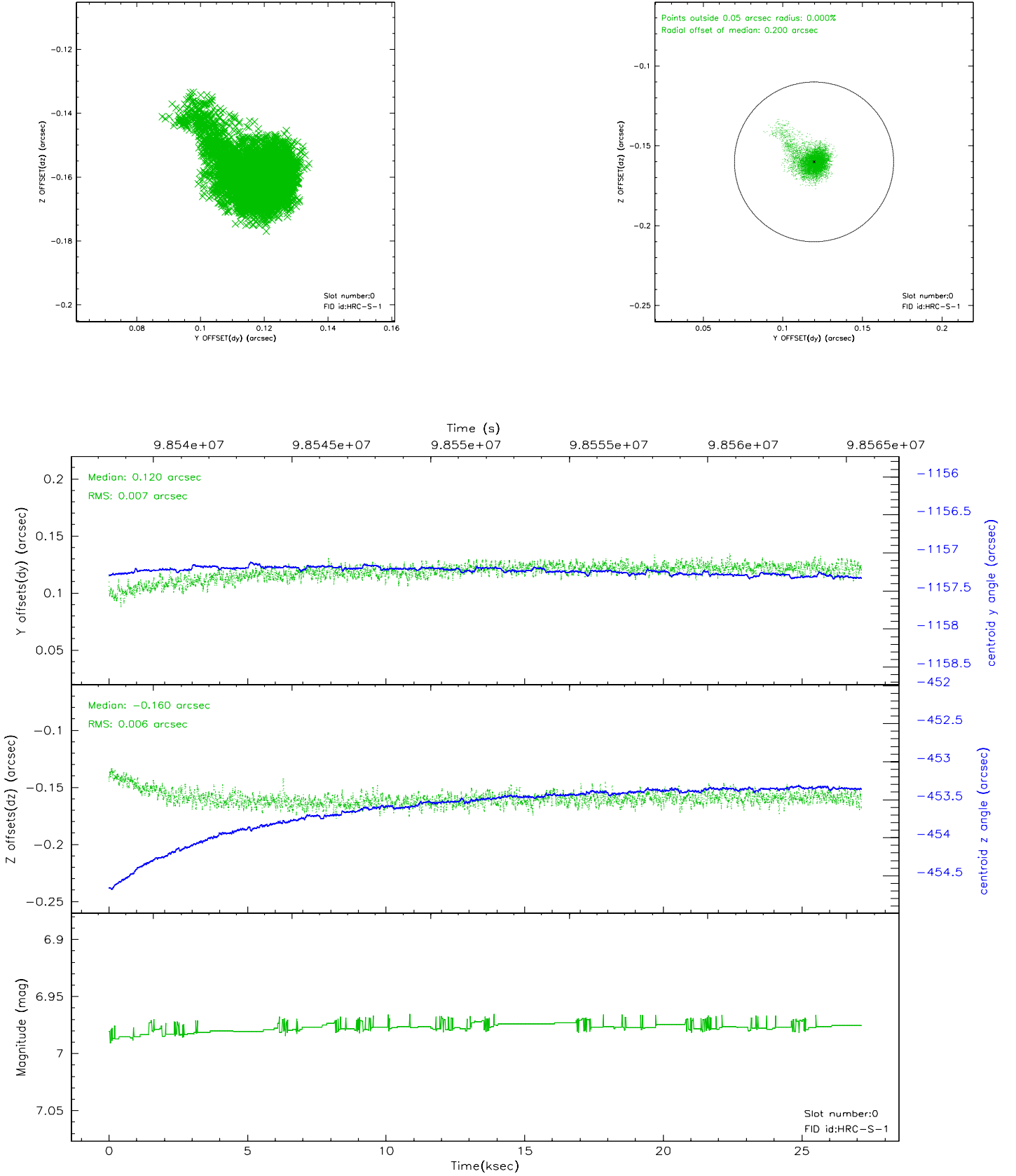


2.4.5 Slot 7

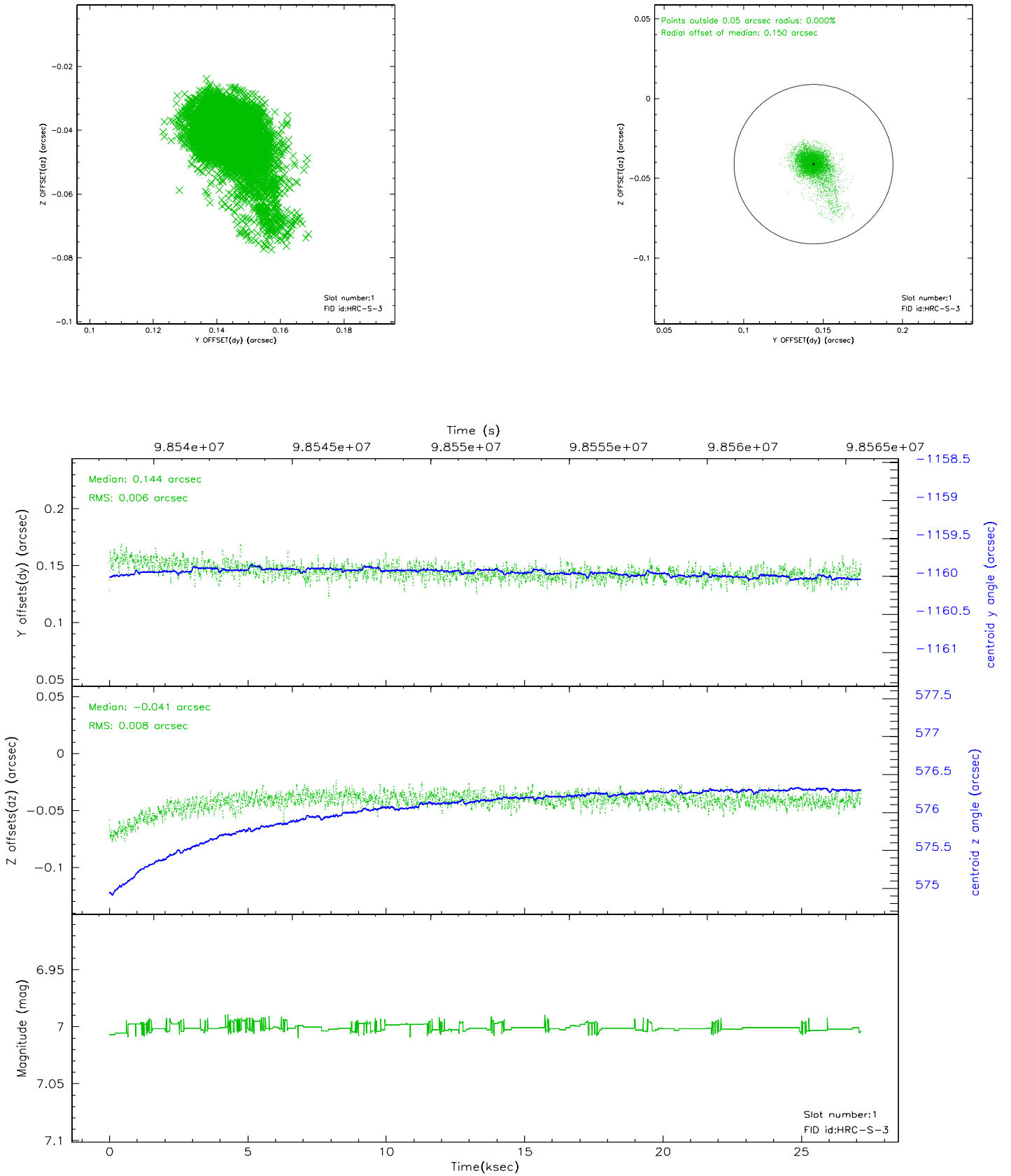


2.5 FID Slots

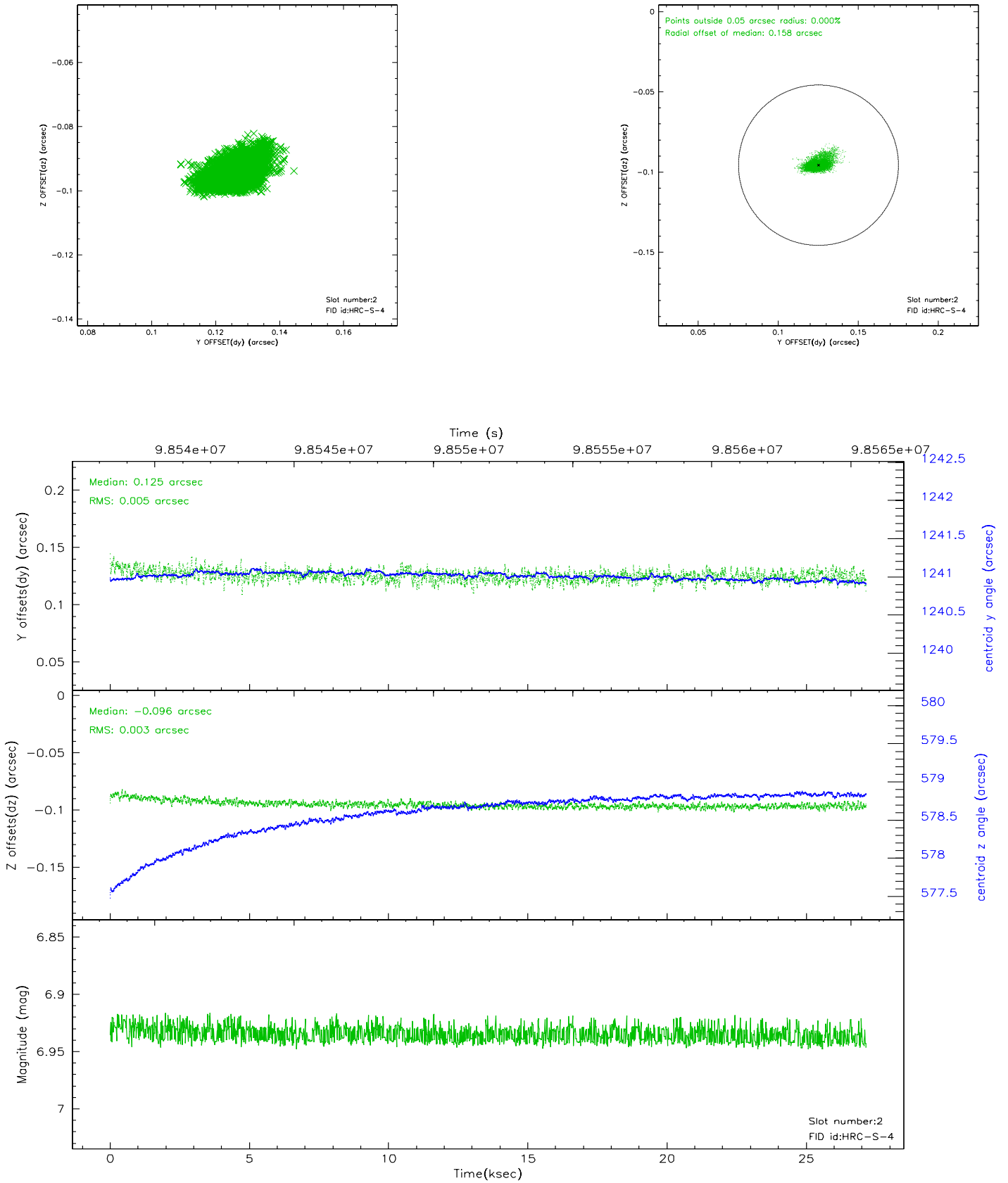
2.5.1 Slot 0



2.5.2 Slot 1

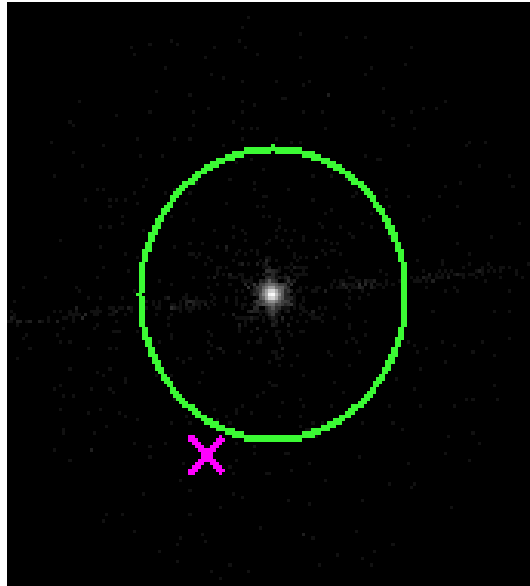


2.5.3 Slot 2



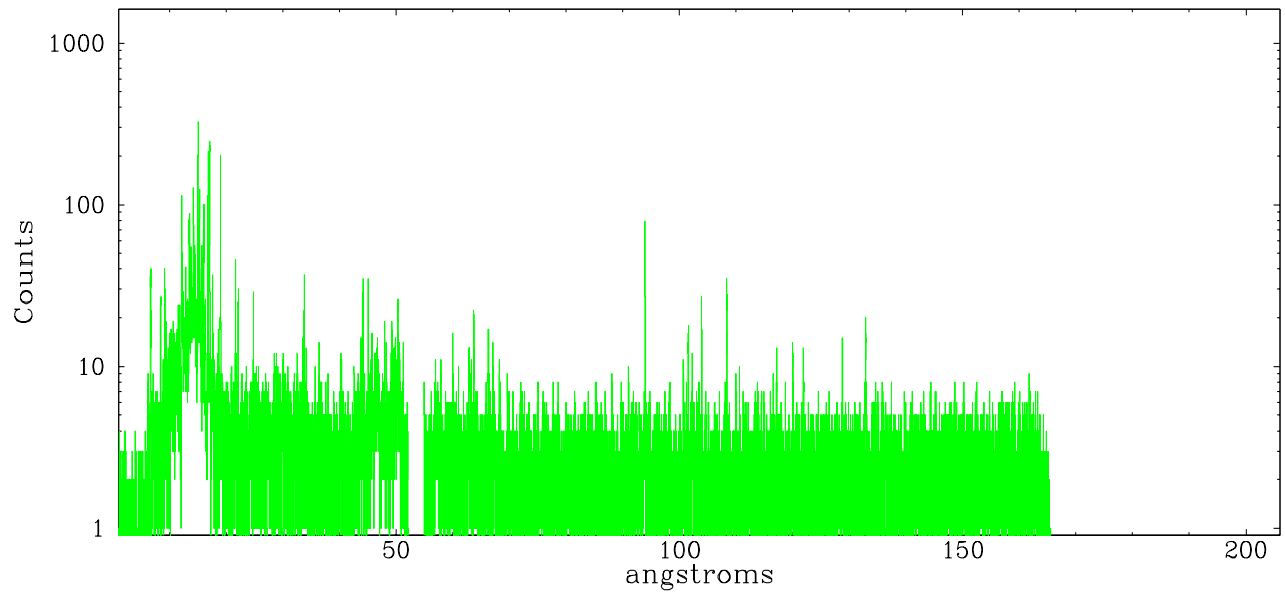
3 Gratings

3.1 LETG Arm

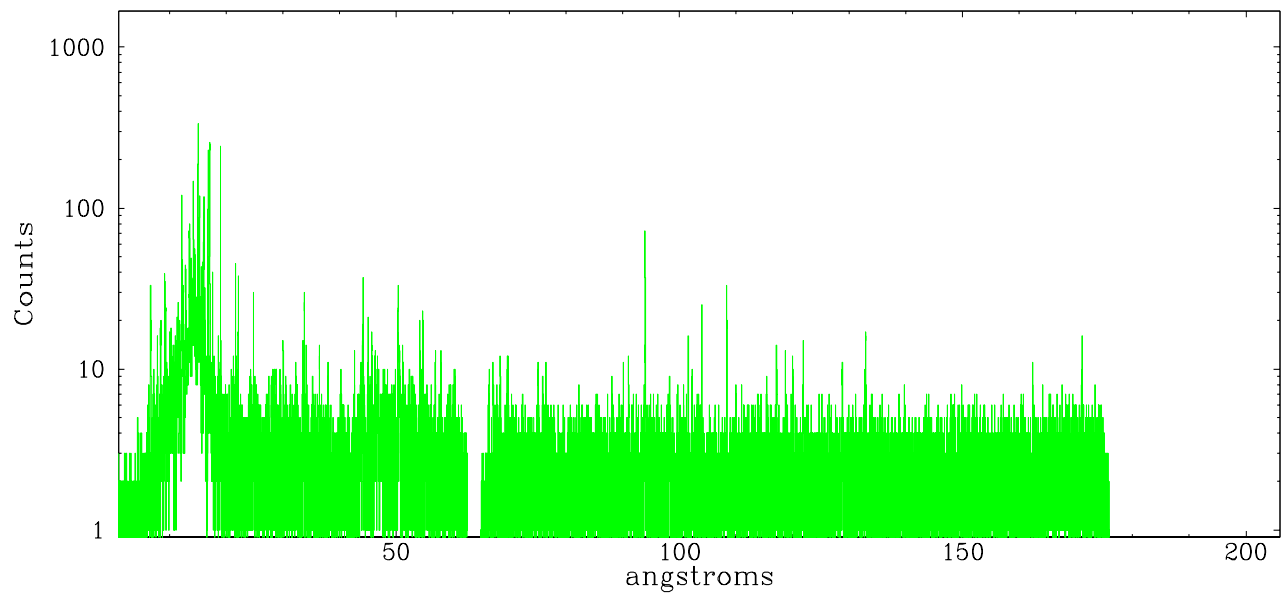


LETG Zero Order

leg order -1



leg order +1



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2006.11.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	26.974

A.2 Comments