

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 2559 - L2 Version 001
Chandra X-Ray Center

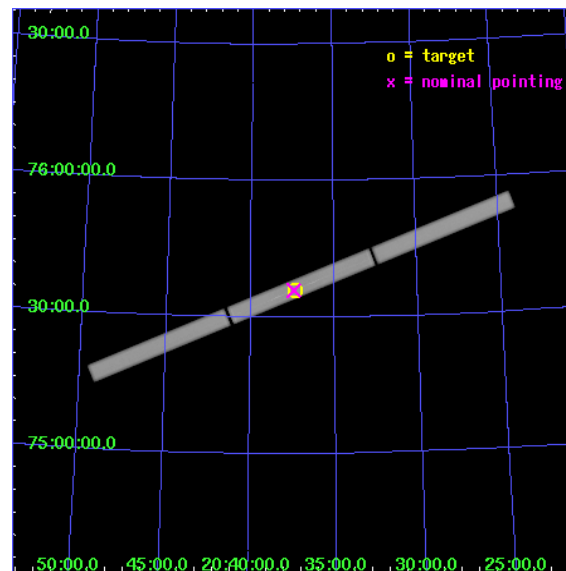
L2 Processing Date : Jan 23 2007

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1 Front

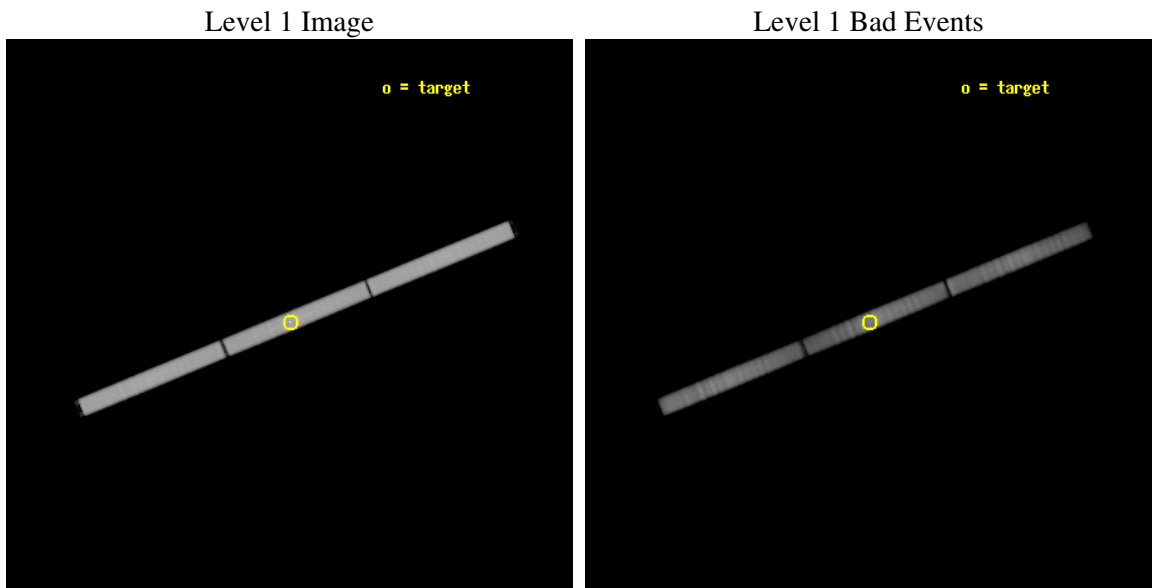
seq_num	200167
obs_id	2559
title	X-RAY DOPPLER IMAGING OF CONTACT BINARIES: THE PARTIALLY ECLIPSING VW CEP
observer	Dr. Nancy Brickhouse
object	VW CEP
ra_targ	309.339583
dec_targ	75.600417
ra_nom	309.35690111487
dec_nom	75.598495194168
roll_nom	337.68380206577
revision	2
ontime	101814.53533086
livetime	101187.31156993
l2events	4750356



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1
ascdsver	7.6.10
caldbver	3.3.0
date	2007-01-23T16:35:11
revision	2

sched_exp_time	102000.000000
ontime	101814.53534086
l1events	6934481

2.1.3 Events

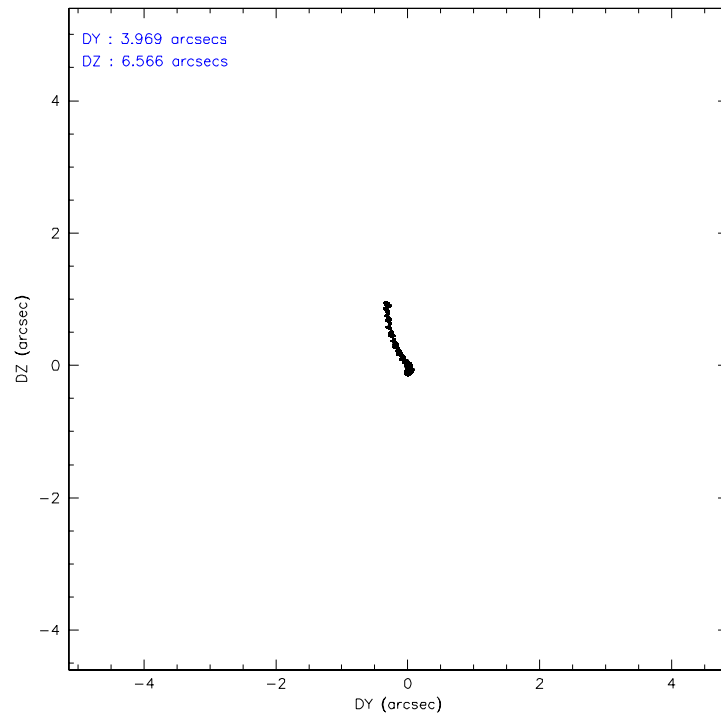
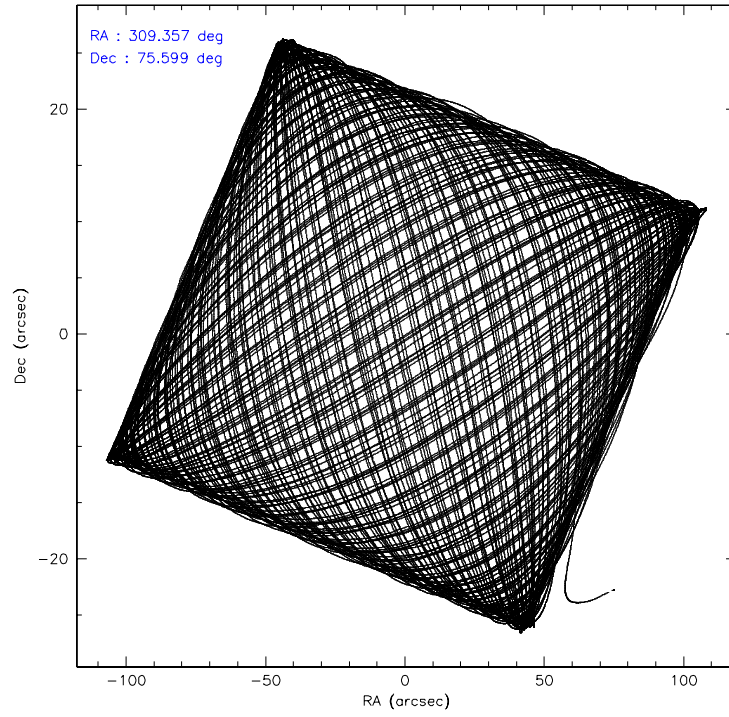
Level 1 Events

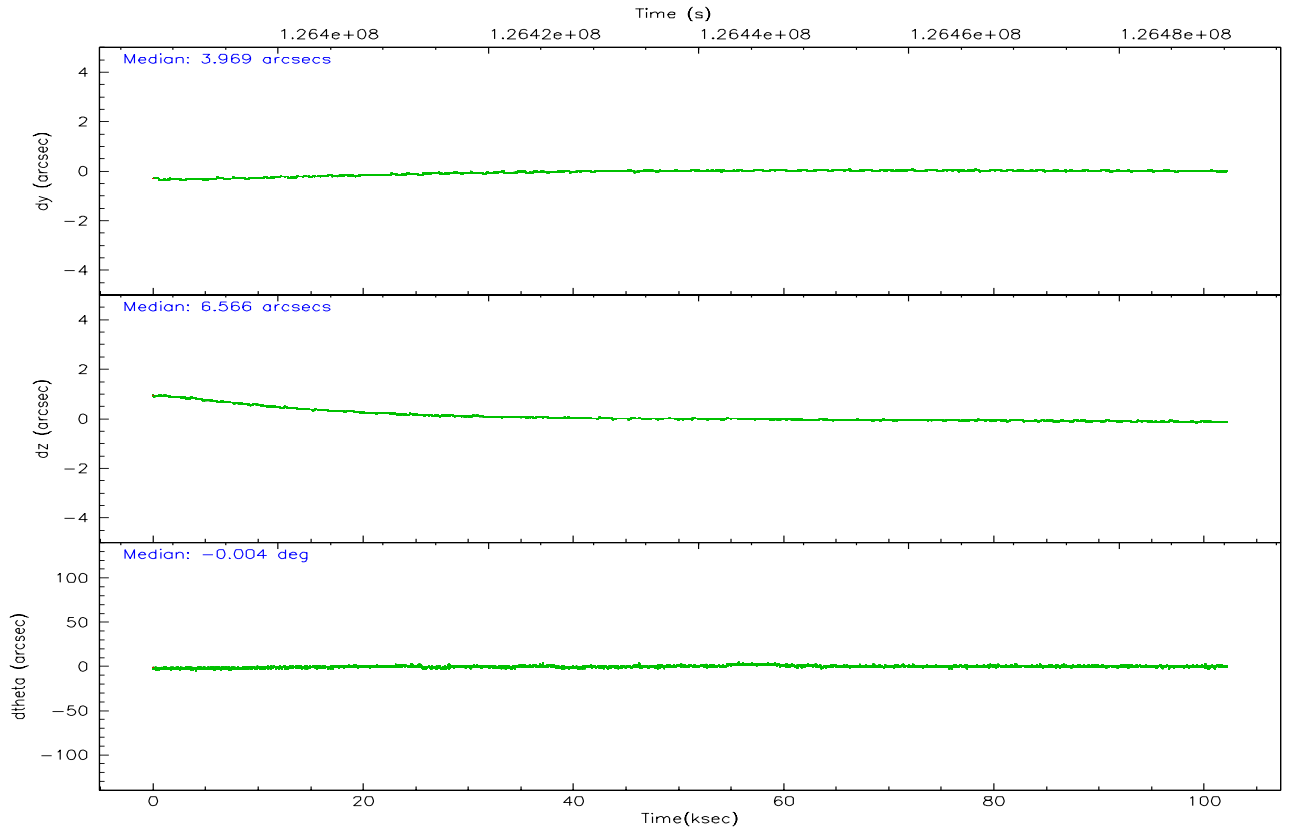
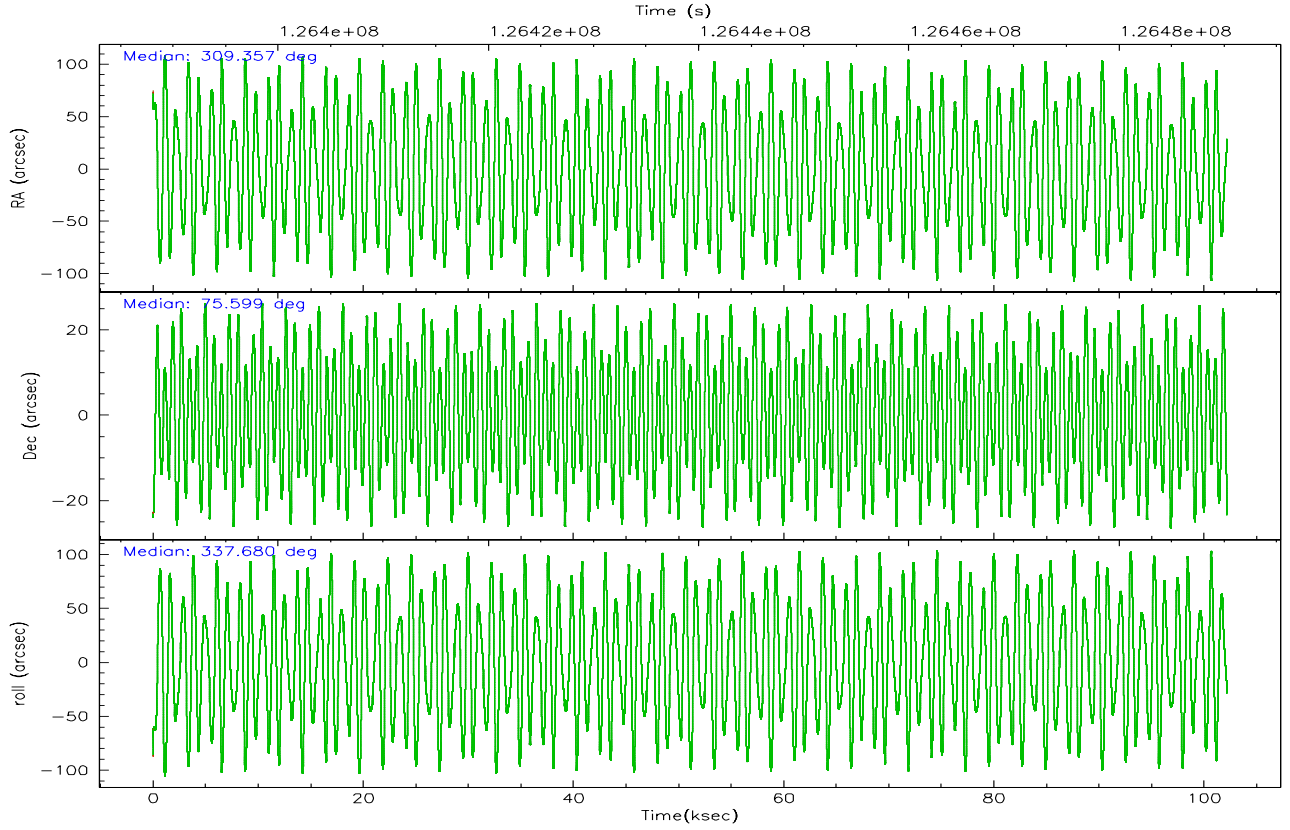
	segment 1	segment 2	segment 3
level 1 events	2374890	2237706	2321885
rejected events	466001	502740	577115
rejected %	19%	22%	24%

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	309.243759	309.3569011148725			
Pointing Dec	75.593254	75.59849519416815			
Pointing Roll	337.726058	337.6838020657657			
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	126388296.184000	126387256.41814			
Observation start date	2002-01-02T19:50:32	2002-01-02T19:34:16			
Observation end time	126490296.184000	126490983.34731			
Observation end date	2002-01-04T00:10:32	2002-01-04T00:23:03			

2.3 Aspect



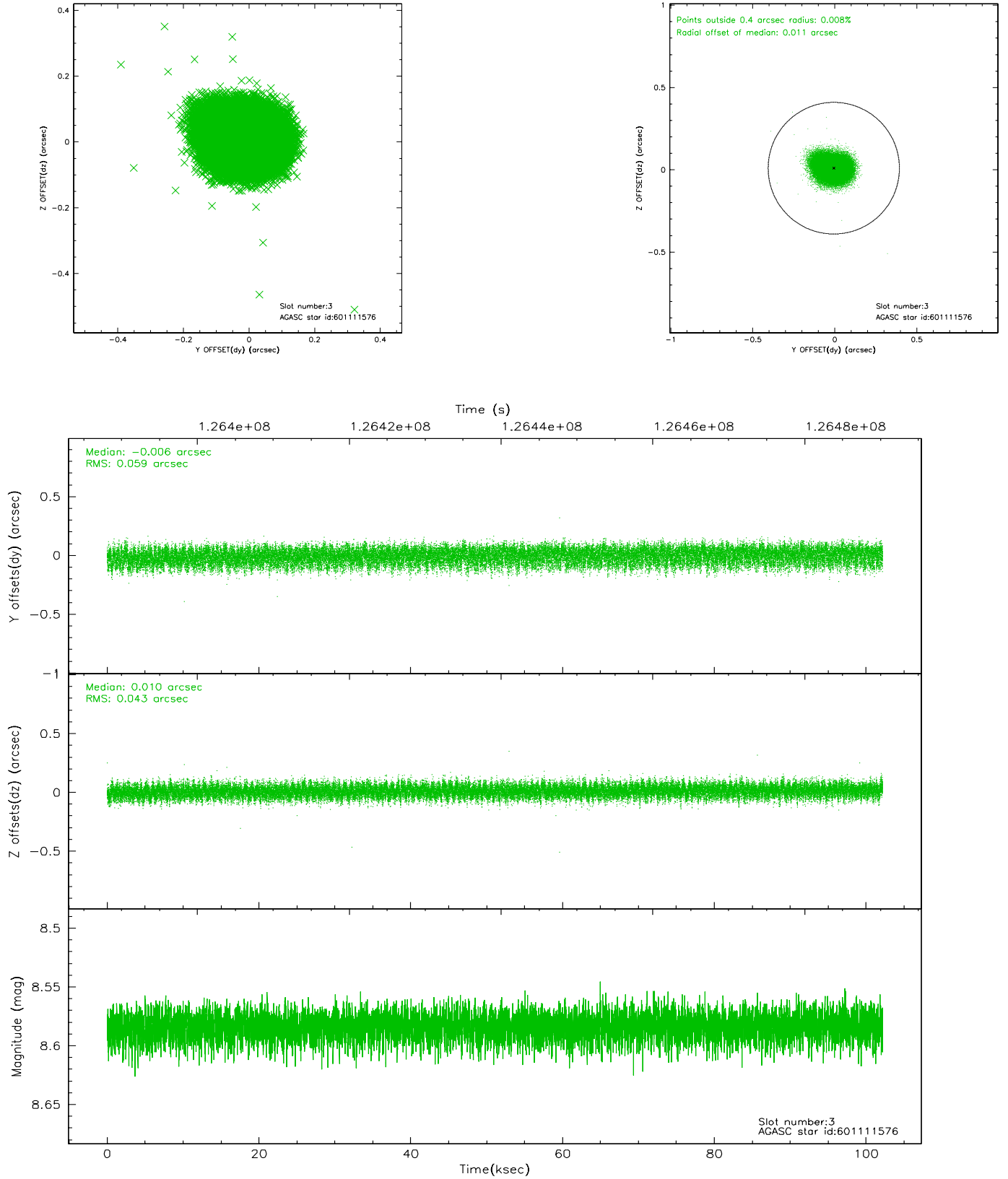


Slot Statistics

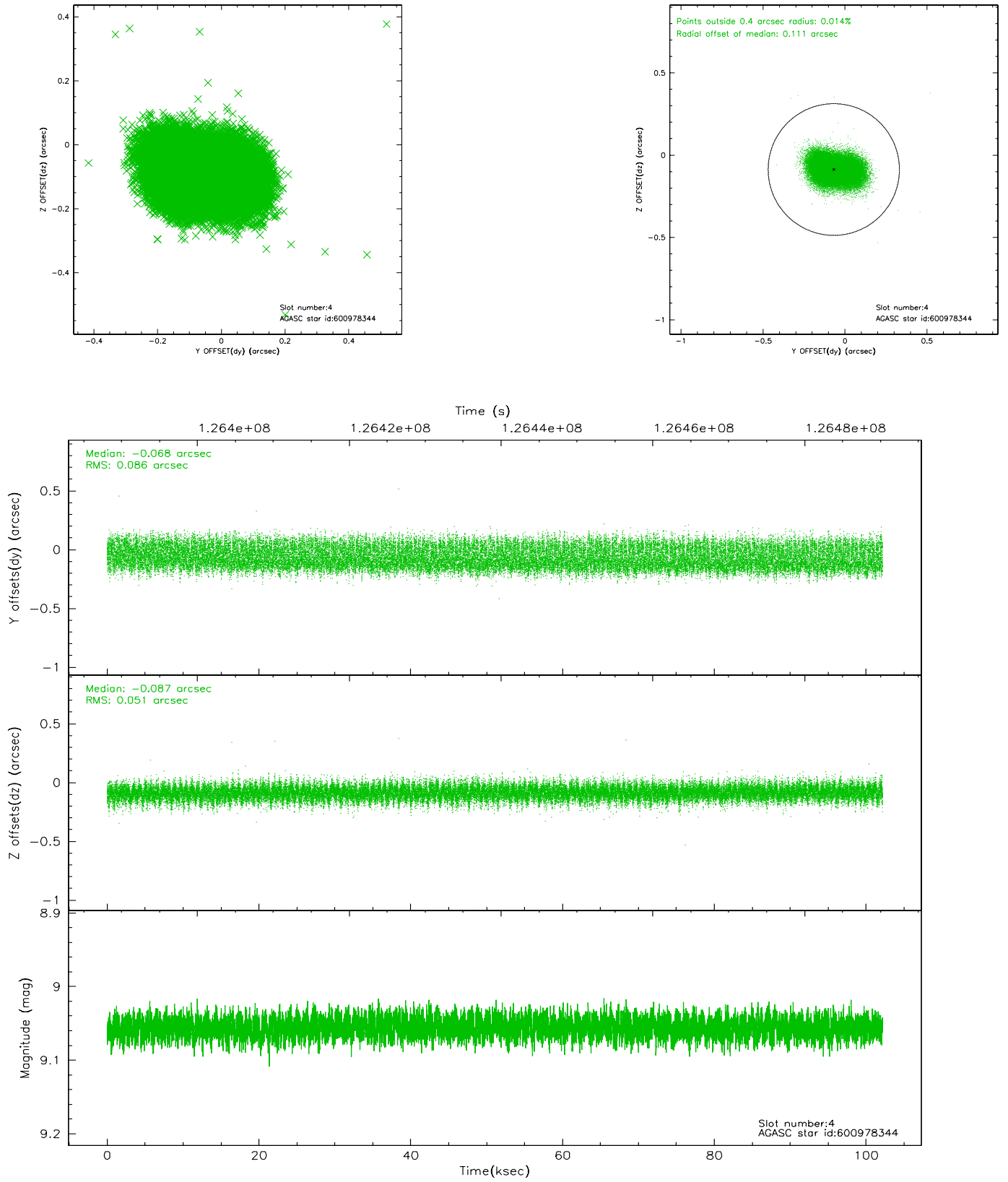
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-2	6.98	24910	0.090	-0.152	0.017	0.035	0.000000	0.000000	1241.66	-447.82
1	FID	HRC-S-3	7.00	24903	0.177	-0.117	0.007	0.012	0.000000	0.000000	-1160.61	574.34
2	FID	HRC-S-4	6.92	24908	0.138	-0.026	0.018	0.034	0.000000	0.000000	1240.23	577.05
3	GUIDE	601111576	8.58	49801	-0.006	0.010	0.078	0.124	312.301231	75.993772	1891.65	2406.79
4	GUIDE	600978344	9.06	49805	-0.068	-0.087	0.108	0.169	308.630470	76.361336	-1530.89	2363.11
5	GUIDE	601098528	9.12	49796	-0.022	-0.009	0.095	0.152	310.058226	75.008164	1498.64	-1657.41
6	GUIDE	601098832	9.09	49798	0.031	-0.004	0.078	0.127	311.174638	75.586252	1600.06	657.96
7	GUIDE	600983240	9.46	49793	0.062	0.090	0.107	0.174	307.643873	76.065844	-1934.98	1065.39

2.4 Star Slots

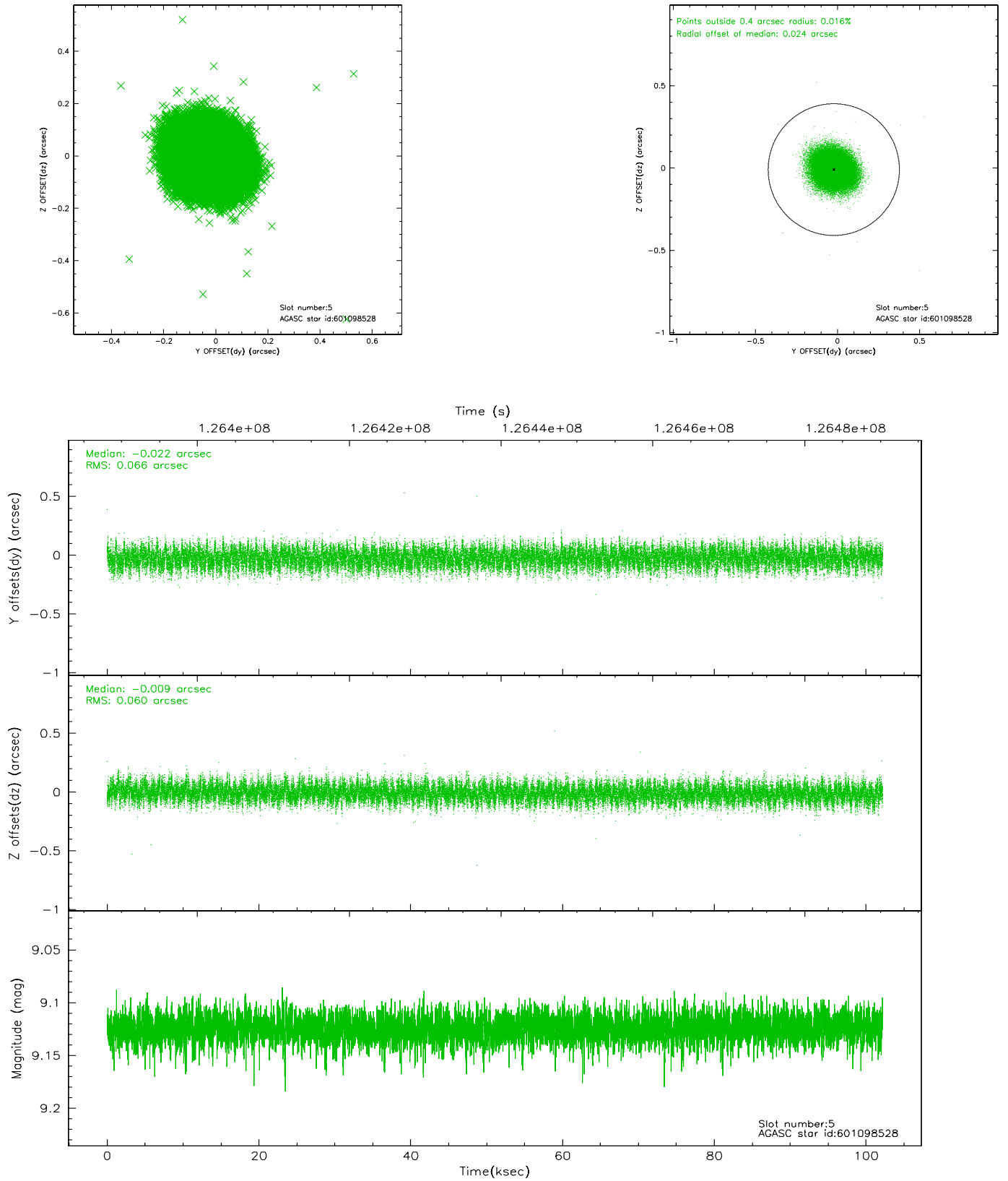
2.4.1 Slot 3



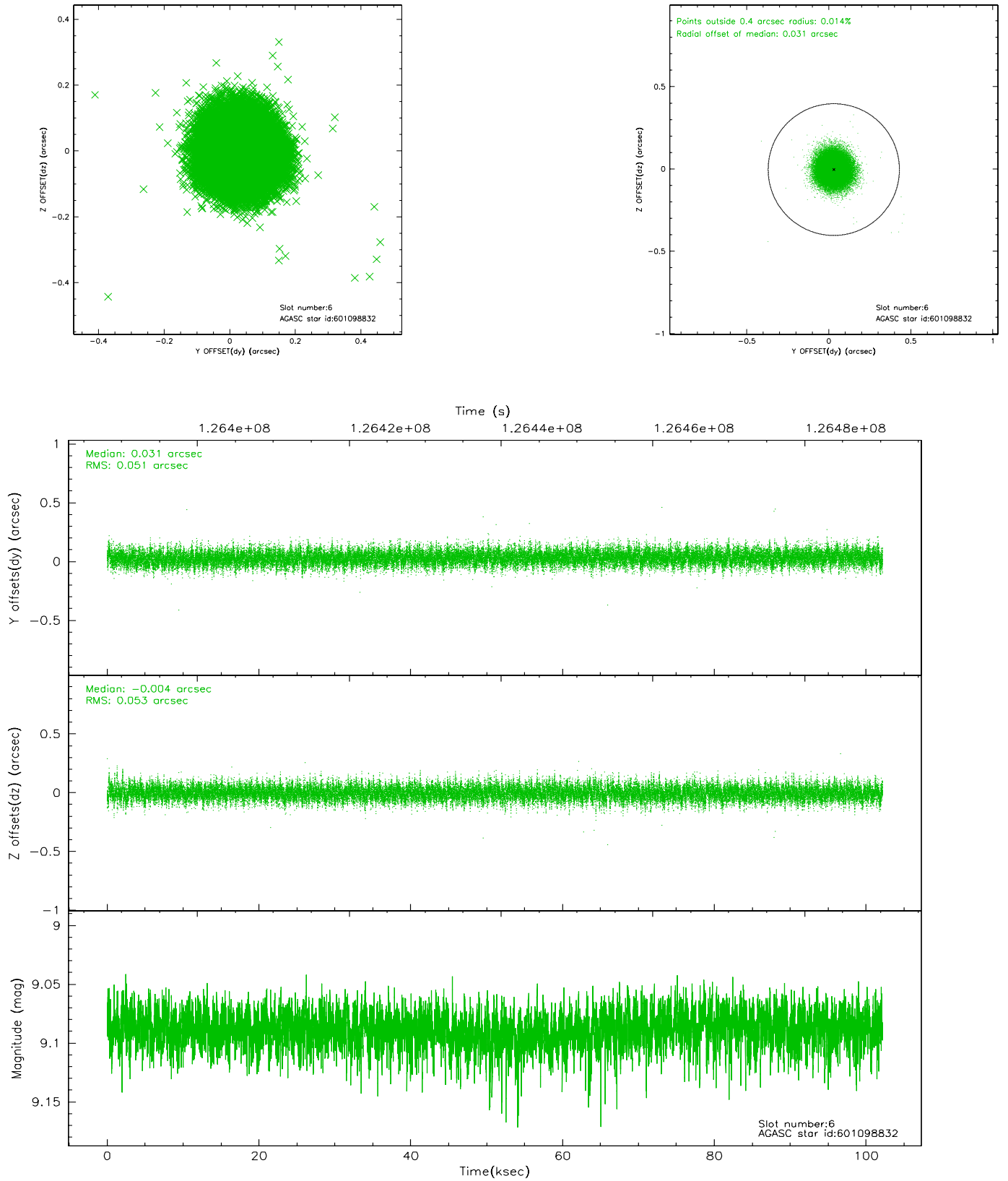
2.4.2 Slot 4



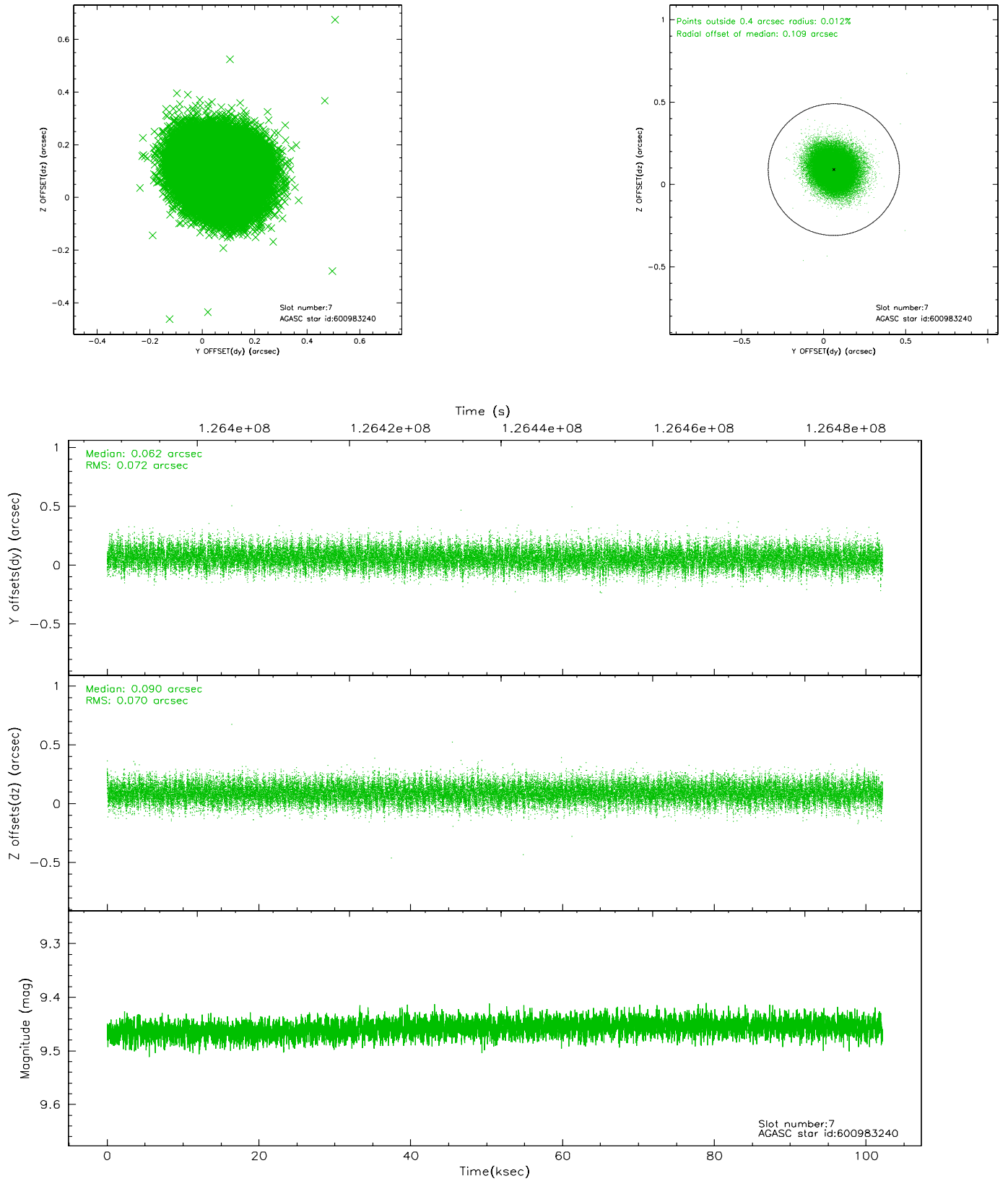
2.4.3 Slot 5



2.4.4 Slot 6

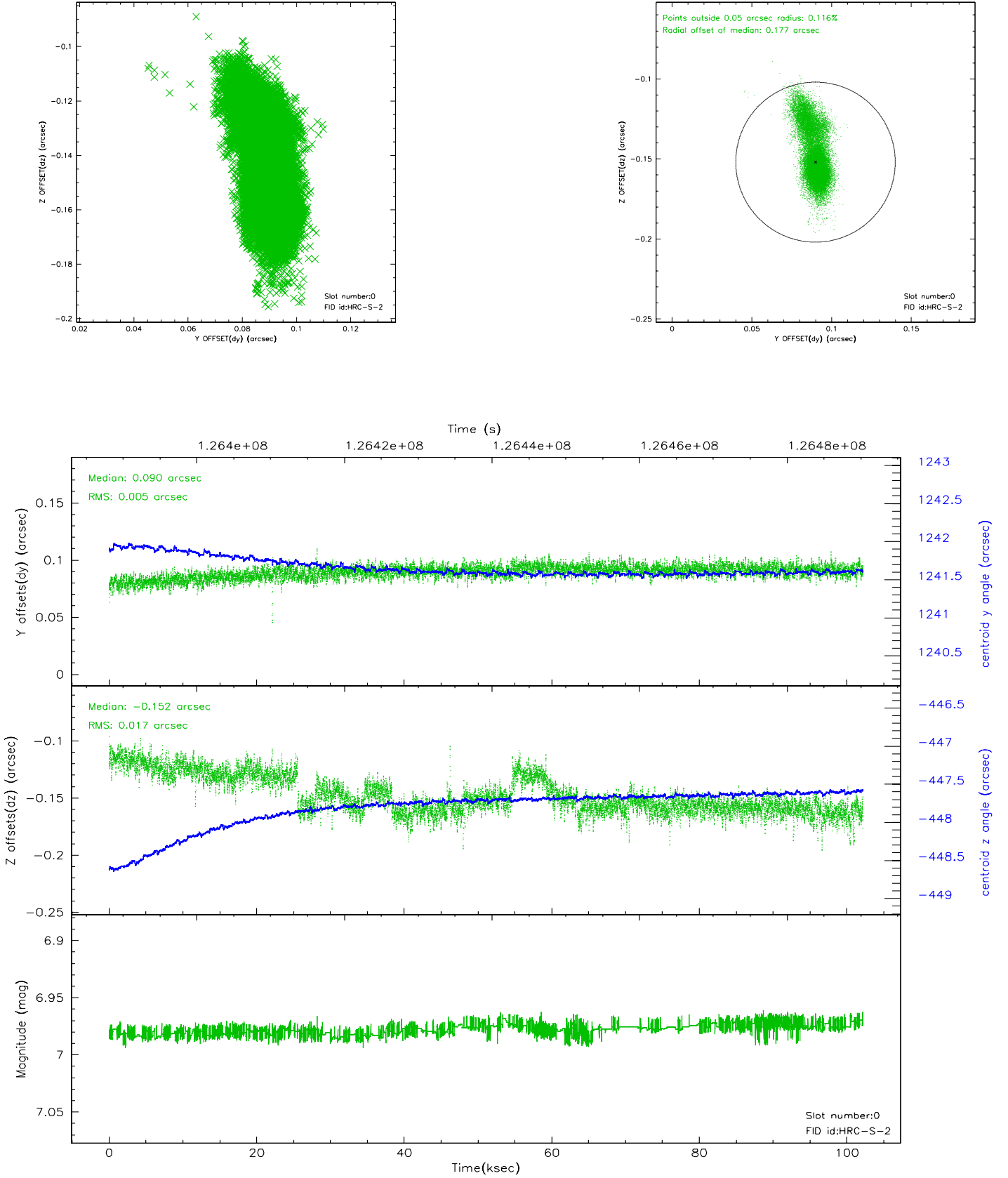


2.4.5 Slot 7

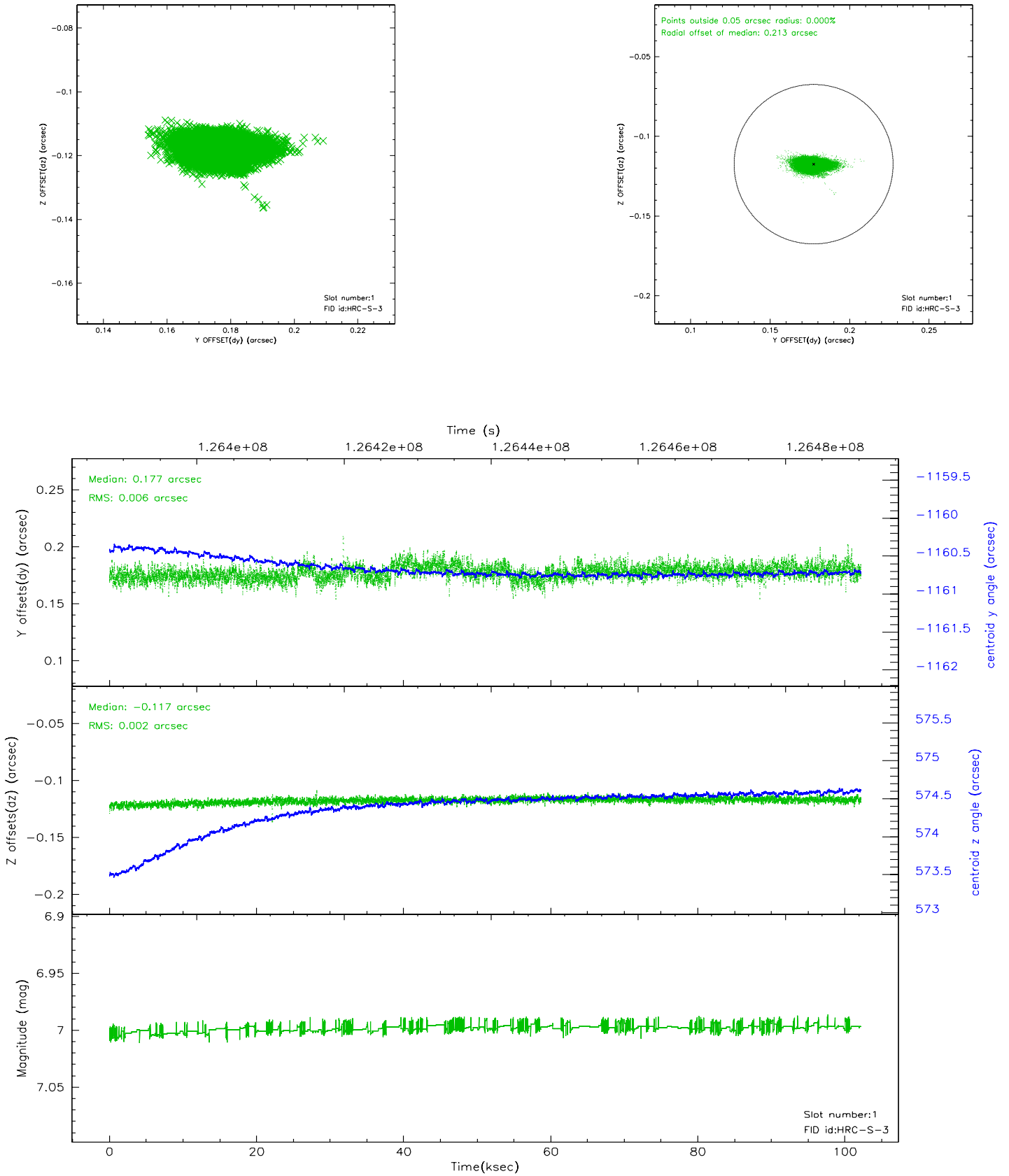


2.5 FID Slots

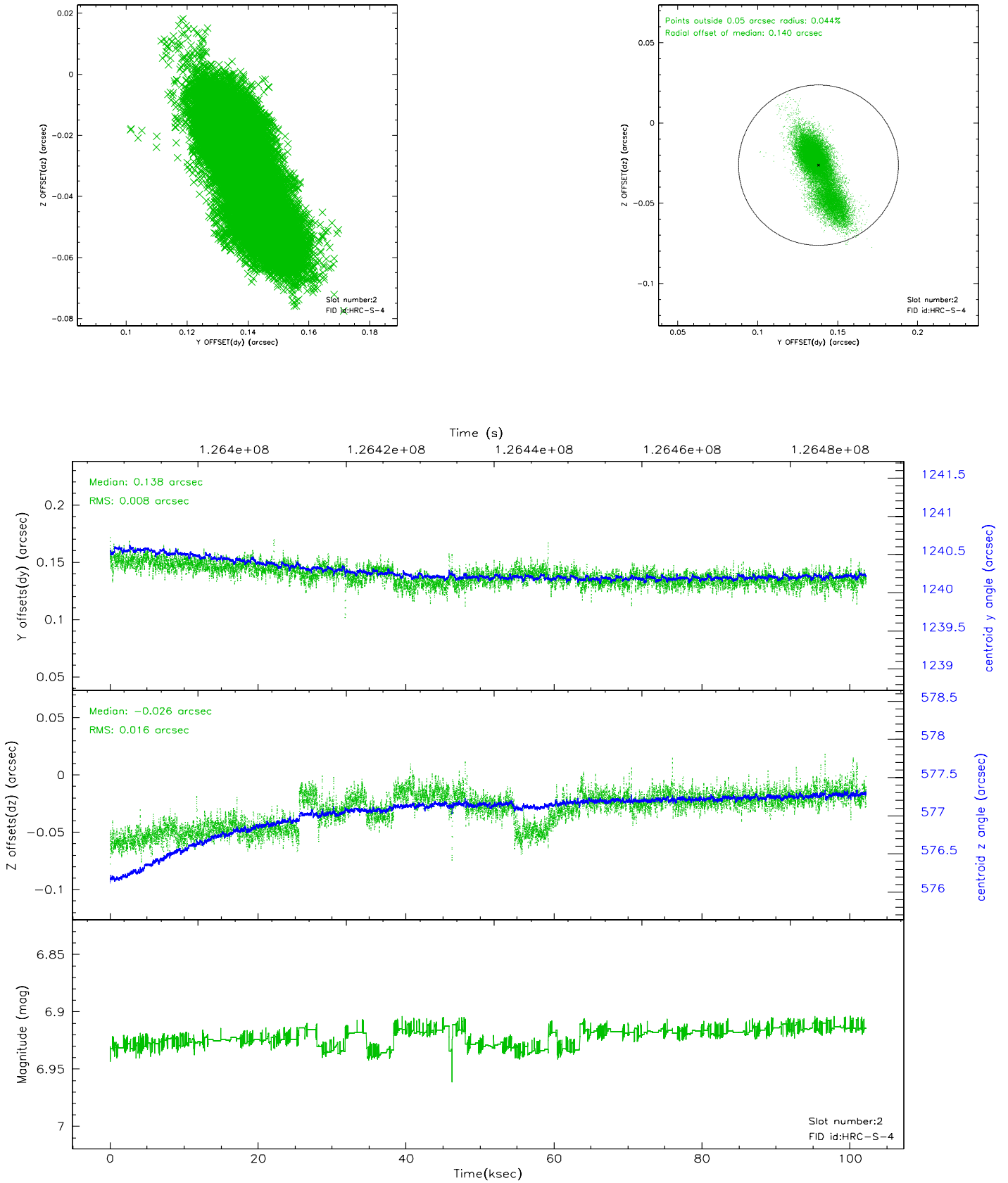
2.5.1 Slot 0



2.5.2 Slot 1

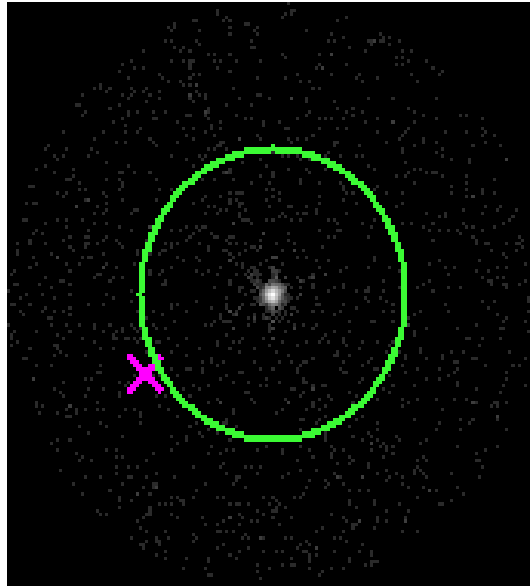


2.5.3 Slot 2



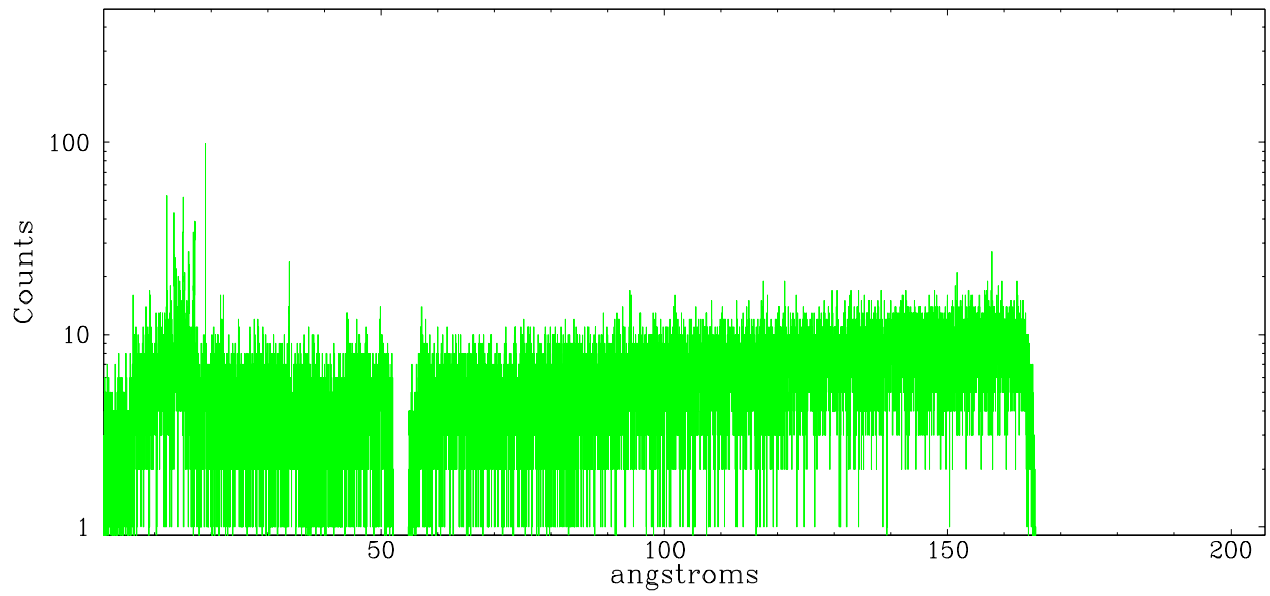
3 Gratings

3.1 LETG Arm

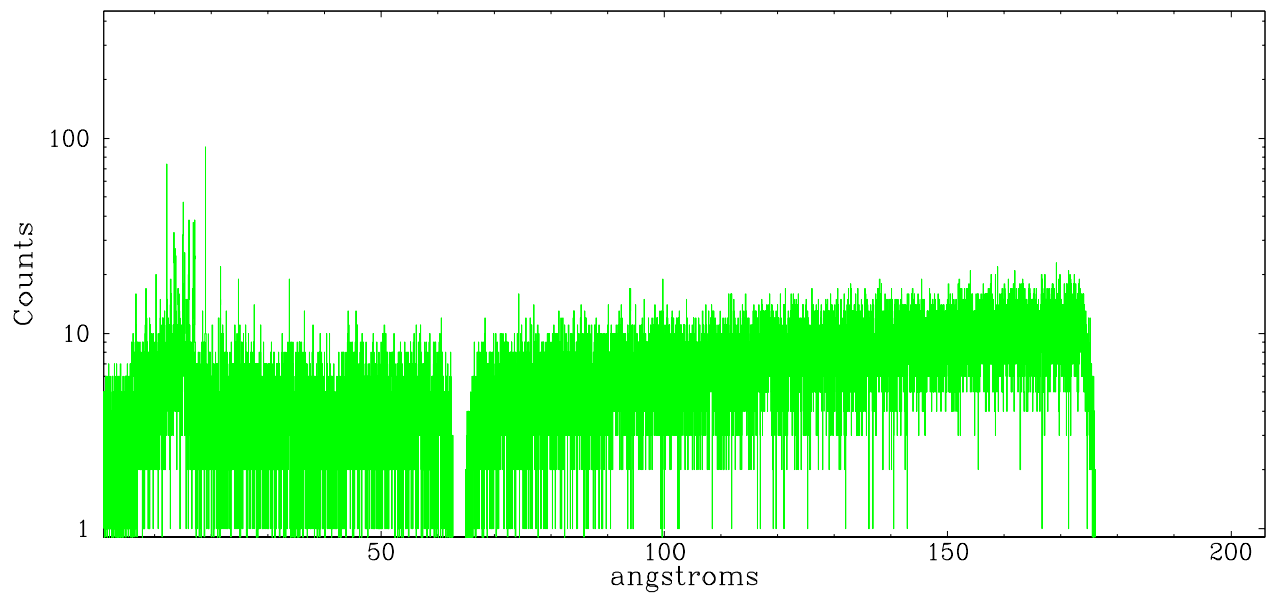


LETG Zero Order

leg order -1



leg order $+1$



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2007.02.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	101.765

A.2 Comments

Large variations in count rate during the first approximately 15 ksec of this observation are likely the result of a high radiation environment.