

V&V Reference Report

L2 ASCDS Version : 7.6.7

Observation 5958 - L2 Version 3
Chandra X-Ray Center

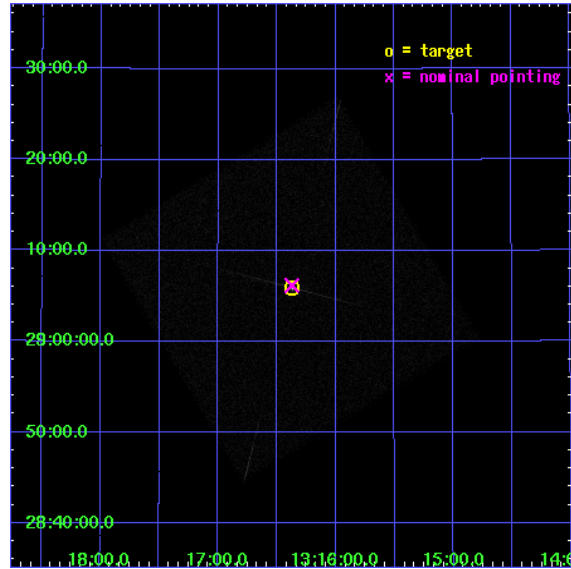
L2 Processing Date : Nov 24 2007

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1 Front

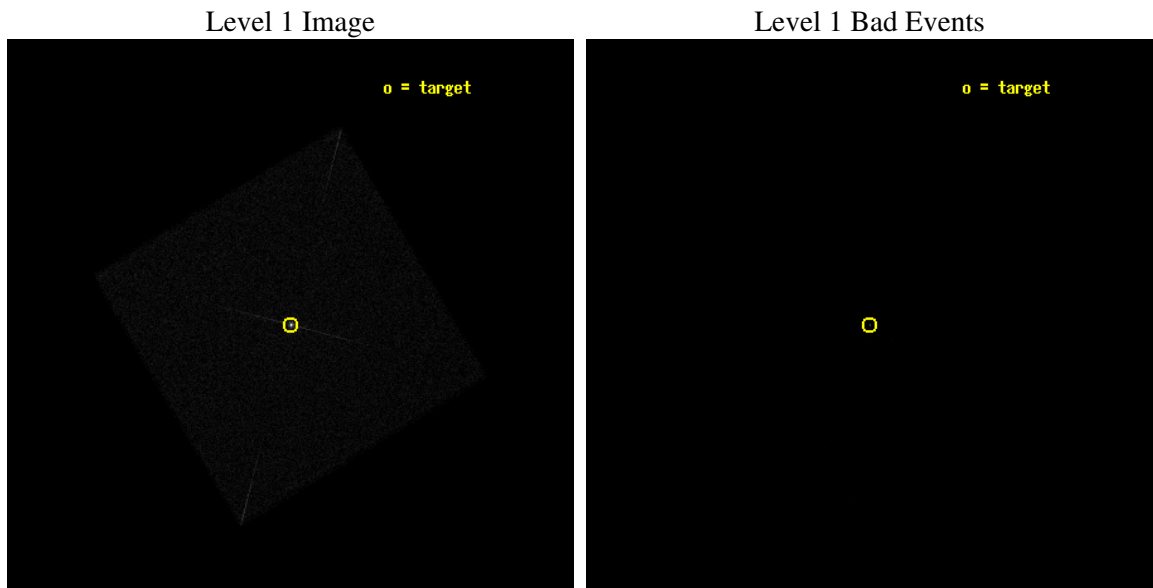
seq_num	290450
obs_id	5958
title	AO6 Calibration Observations of HZ43
observer	Dr. CXC Calibration
object	HZ43
ra_targ	199.092083
dec_targ	29.099
ra_nom	199.09305417438
dec_nom	29.103182761386
roll_nom	104.19046577436
revision	3
ontime	2180.1750986874
livetime	2165.5884056899
l2events	83104



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1
ascdsver	7.6.11.2
caldbver	3.4.1
date	2007-11-24T07:07:10
revision	3

sched_exp_time	2000.000000
ontime	2180.1750986874
l1events	152970

2.1.3 Events

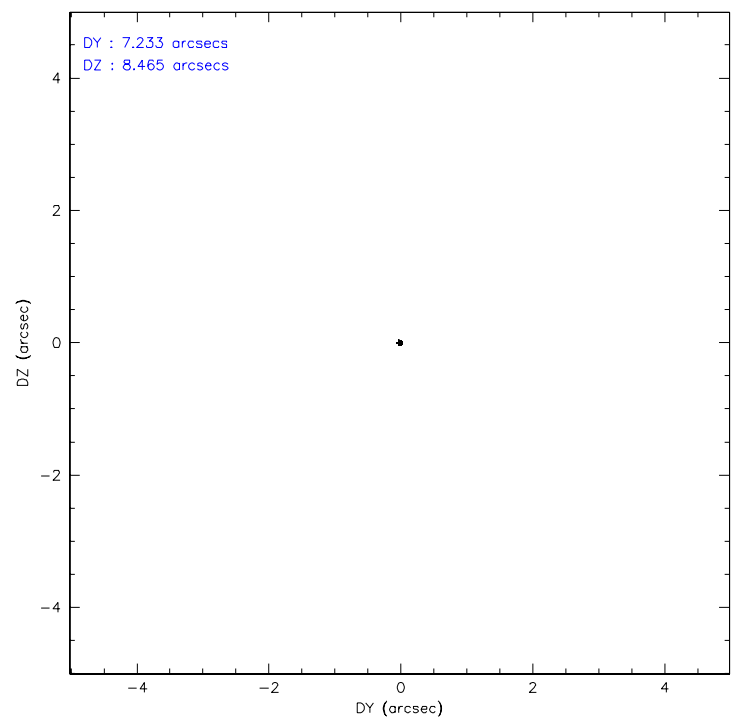
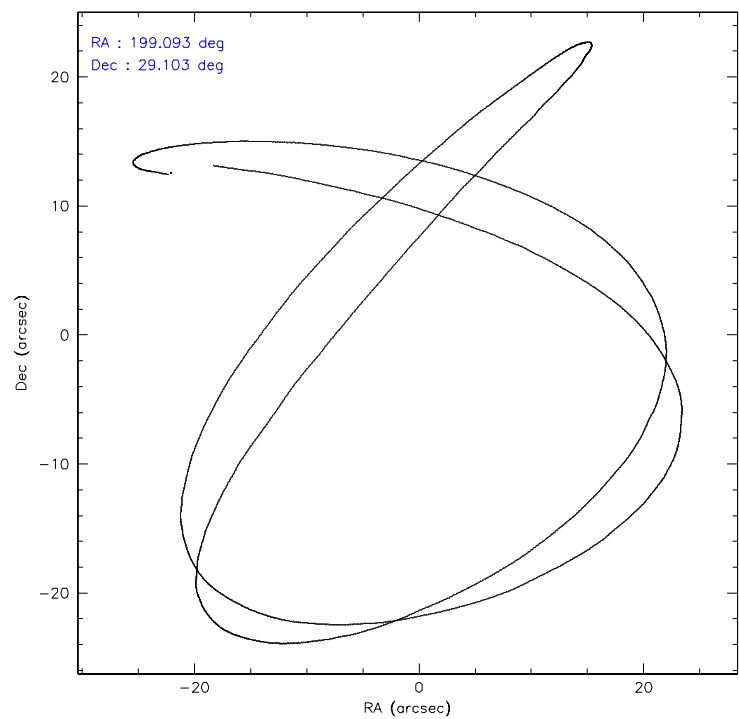
Level 1 Events

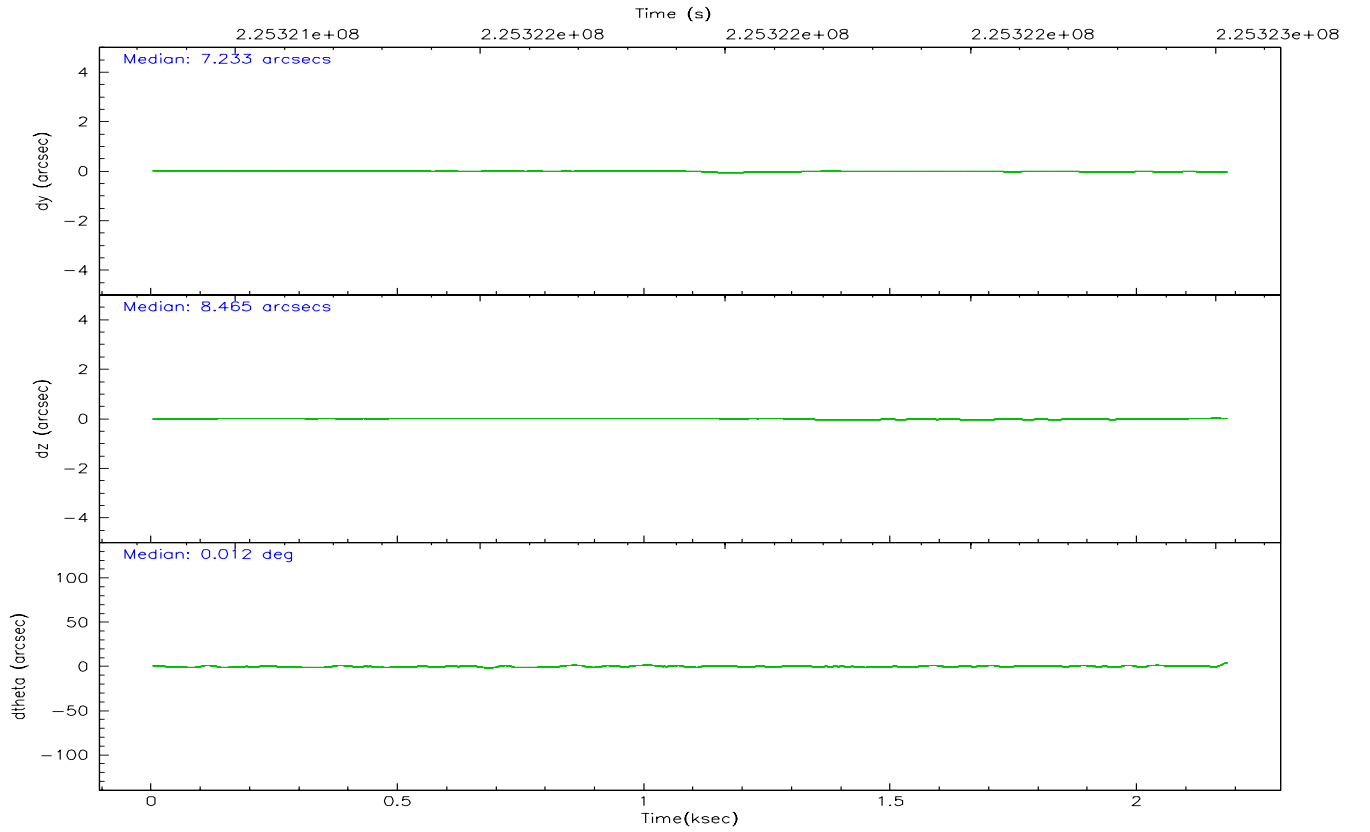
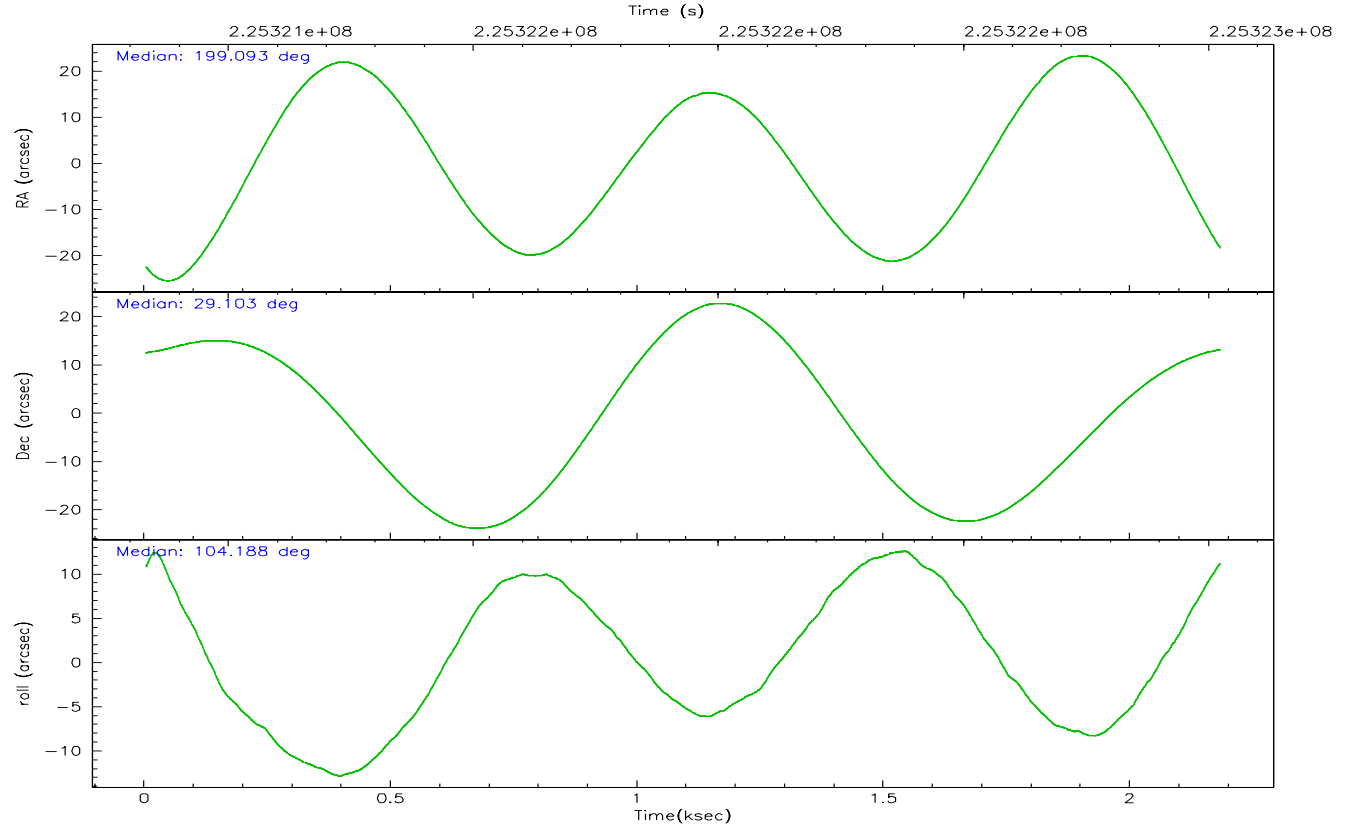
	segment 0
level 1 events	152970
rejected events	33391
rejected %	21%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	LETG	LETG	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
Pointing RA	199.114913	199.0930541743847			
Pointing Dec	29.084133	29.10318276138615			
Pointing Roll	104.275273	104.1904657743597			
Window start time	218246464.184000	218246464.184000			
Window stop time	225936064.184000	225936064.184000			
SIM focus pos (mm)	-1.040293	-1.038866356238299			
SIM defocus (mm)	0	0.001426264420575141			
SIM translation stage pos (mm)	126.985494	126.9854943052878			
SIM translation stage offset (mm)	0	-5.413686238853188e-06			
Observation start time	225321016.184000	225320246.81052			
Observation start date	2005-02-20T21:09:12	2005-02-20T20:57:26			
Observation end time	225323016.184000	225323795.36068			
Observation end date	2005-02-20T21:42:32	2005-02-20T21:56:35			

2.3 Aspect



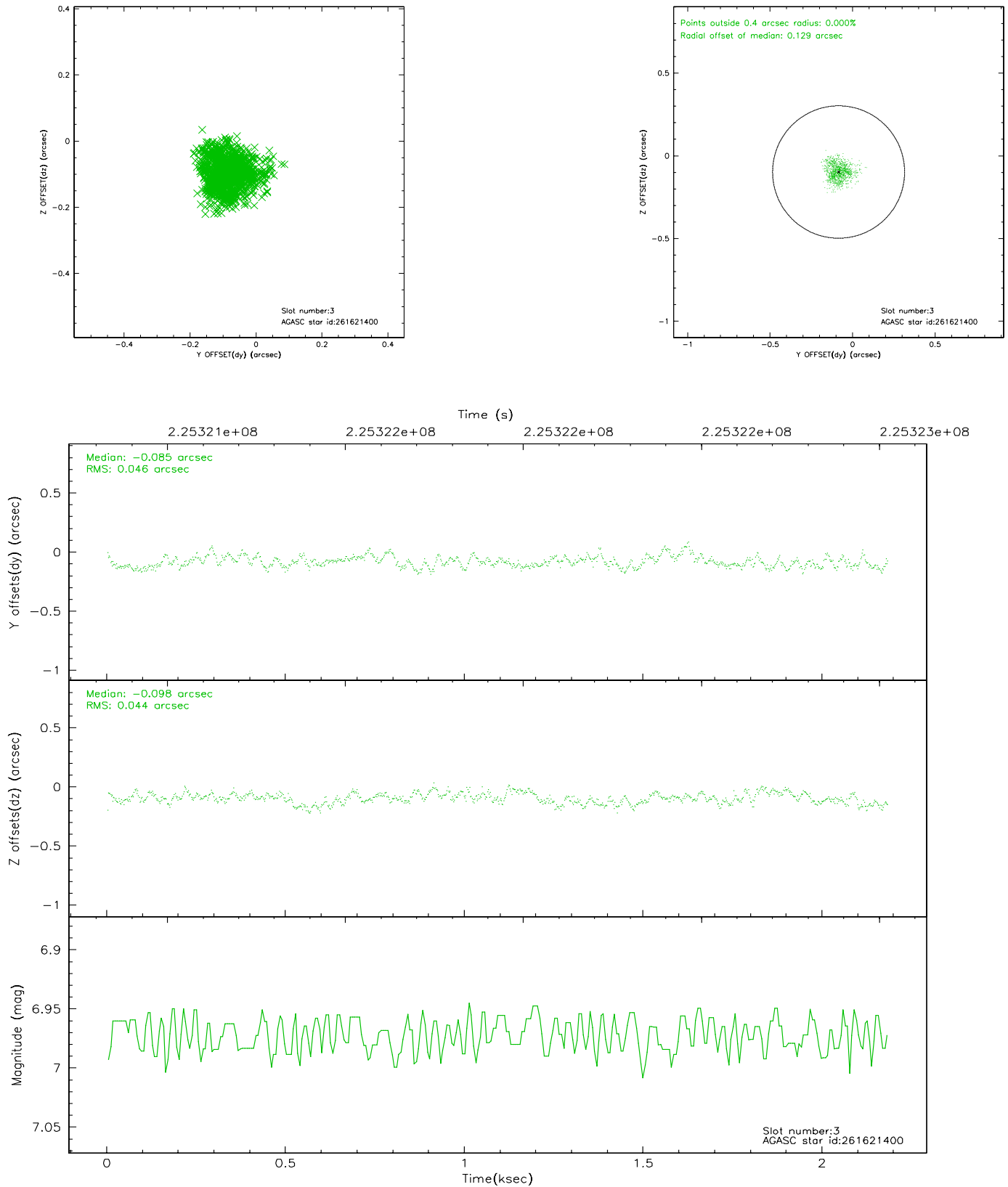


Slot Statistics

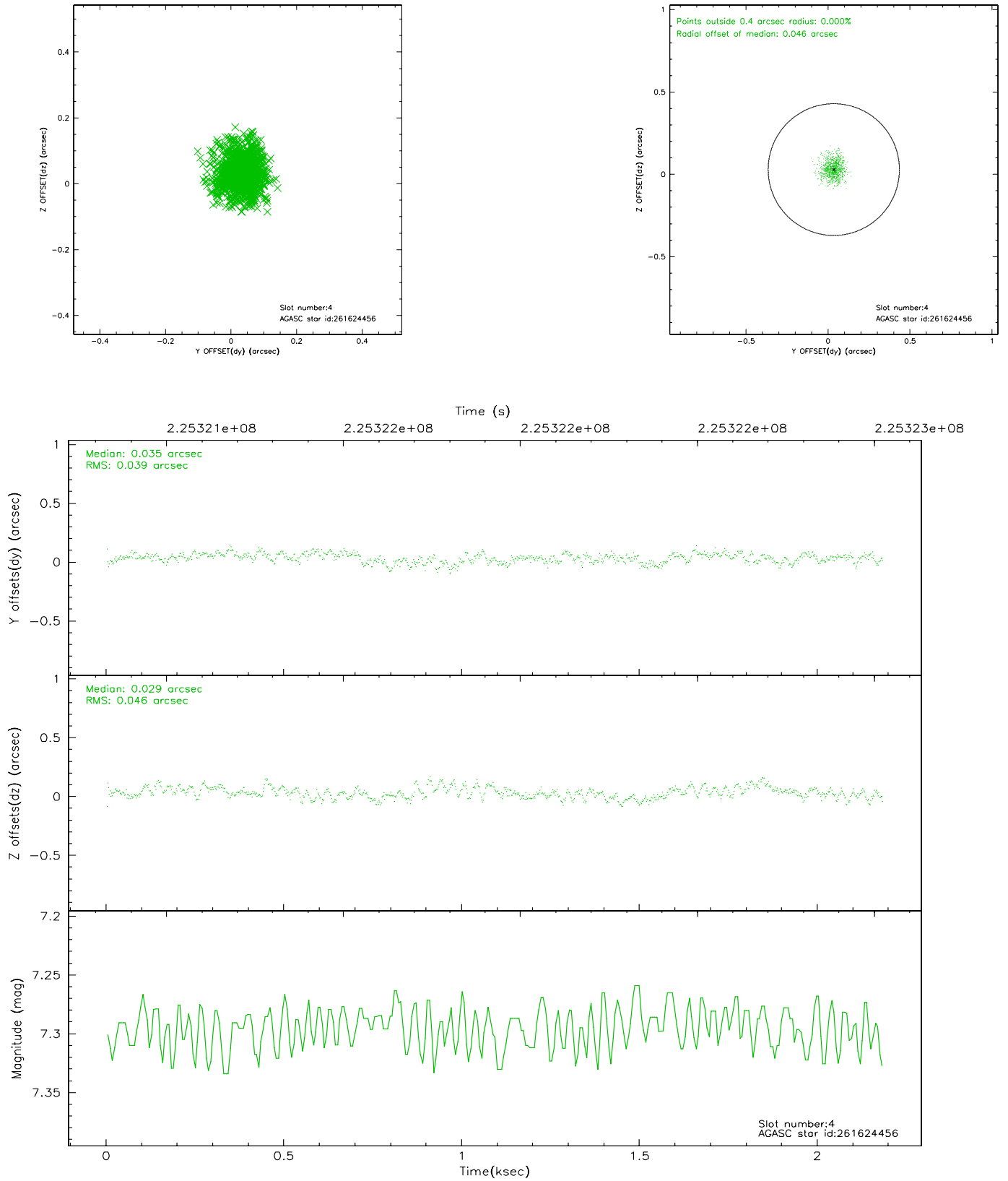
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.99	532	-0.015	-0.001	0.006	0.009	0.000000	0.000000	-762.92	-1296.35
1	FID	HRC-I-2	7.02	532	0.113	-0.078	0.008	0.012	0.000000	0.000000	848.40	-1300.54
2	FID	HRC-I-4	7.02	532	0.018	-0.013	0.006	0.011	0.000000	0.000000	1281.65	1003.23
3	GUIDE	261621400	6.97	1065	-0.085	-0.098	0.069	0.108	198.901600	28.741982	-1027.05	957.12
4	GUIDE	261624456	7.30	1065	0.035	0.029	0.064	0.108	199.758056	28.567828	-2297.51	-1511.74
5	GUIDE	261626376	9.71	1064	0.069	-0.086	0.140	0.223	198.947288	29.347445	1046.80	275.66
6	GUIDE	261629720	8.12	1065	0.033	0.190	0.070	0.113	199.236176	29.044452	-231.22	-333.26
7	GUIDE	261619776	8.80	1064	-0.046	-0.045	0.076	0.122	198.654383	29.401174	1464.56	1118.16

2.4 Star Slots

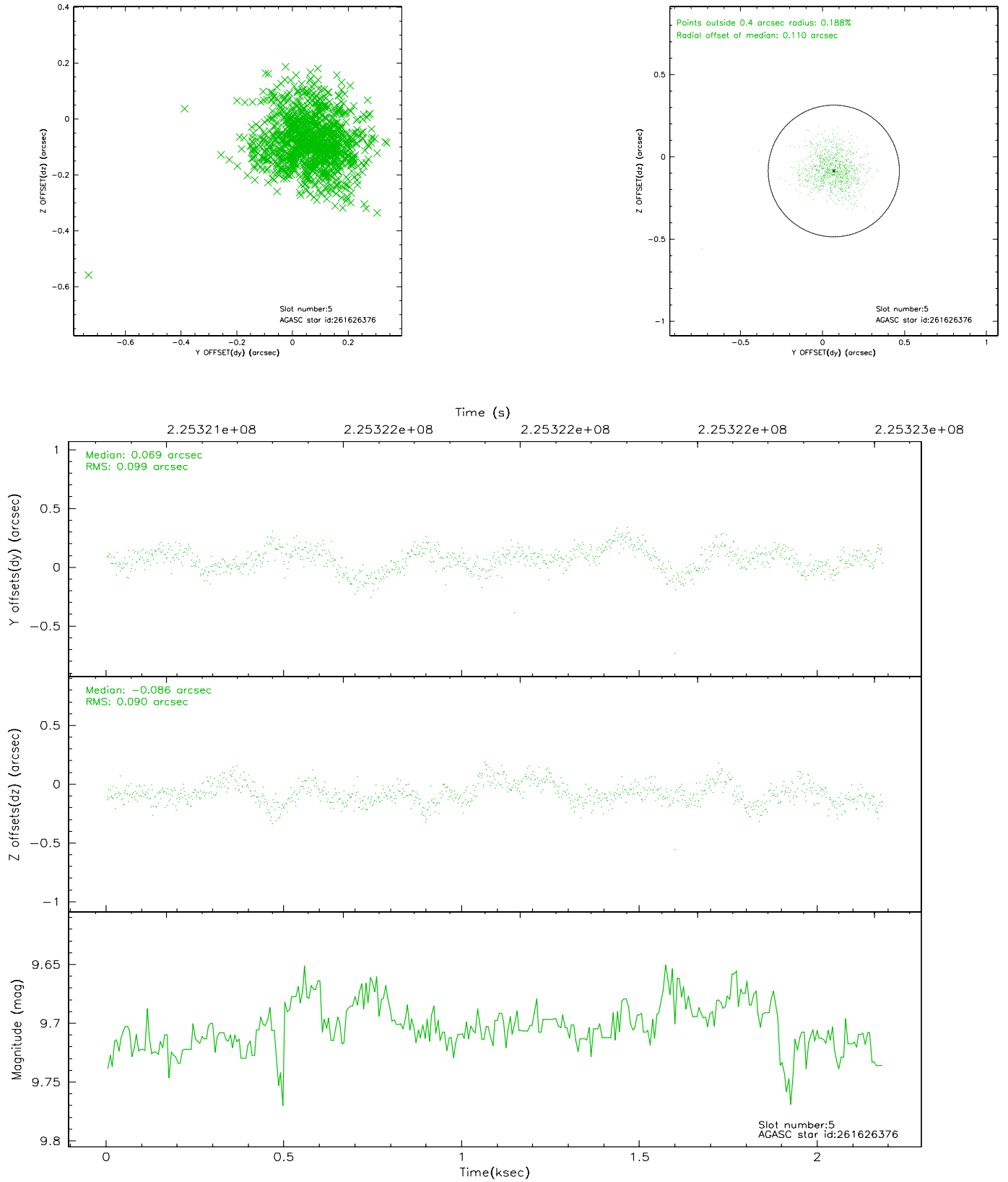
2.4.1 Slot 3



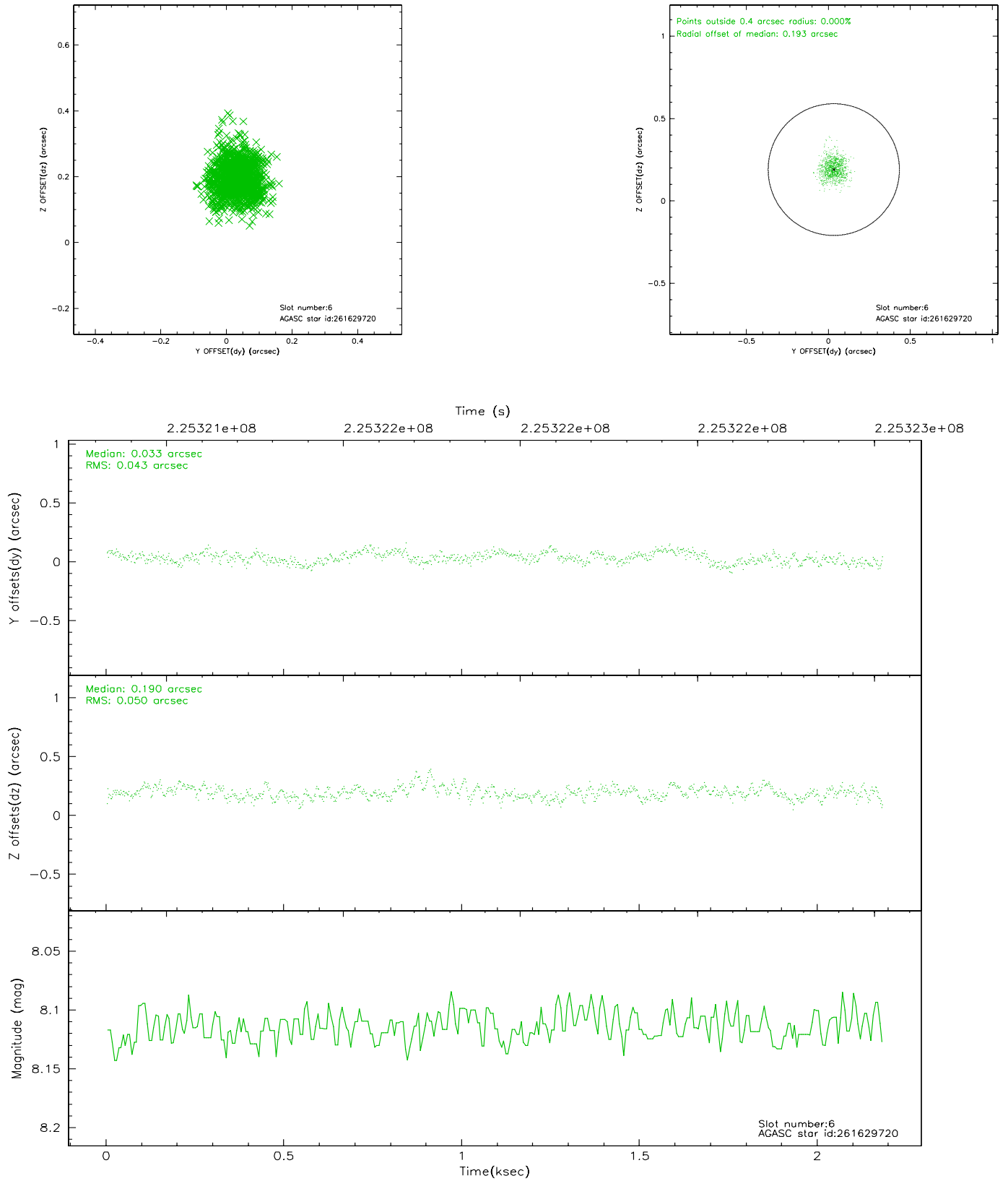
2.4.2 Slot 4



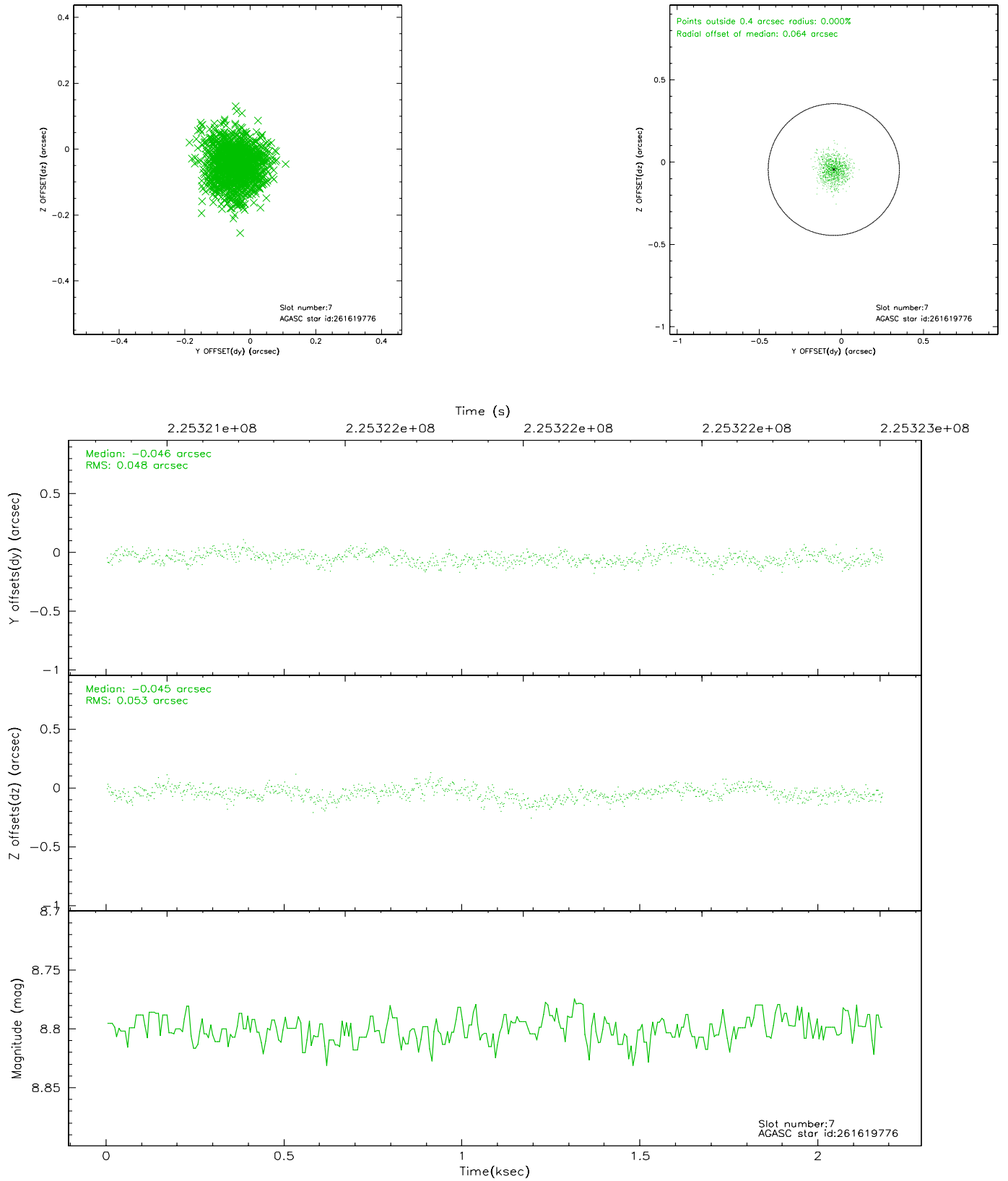
2.4.3 Slot 5



2.4.4 Slot 6

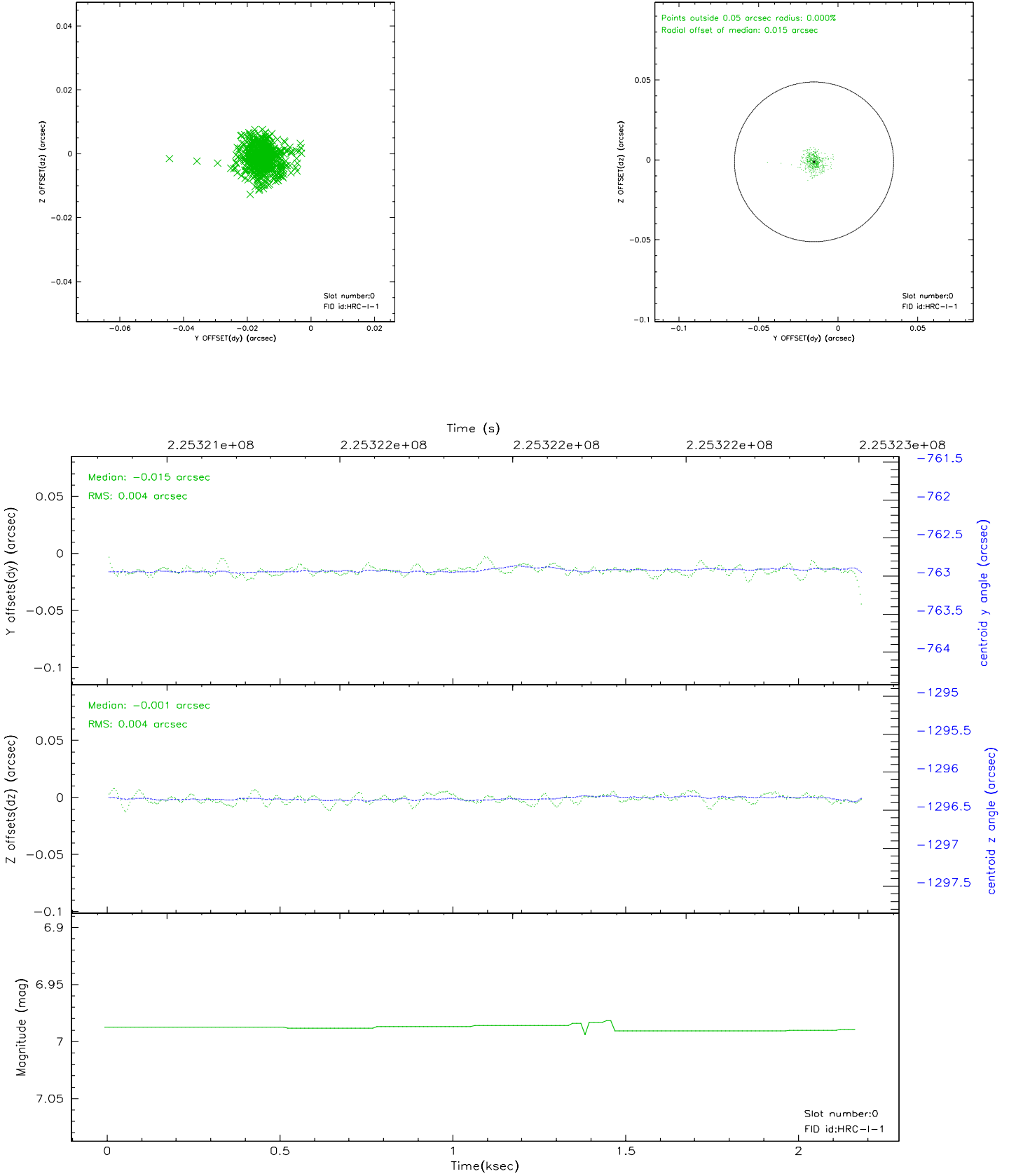


2.4.5 Slot 7

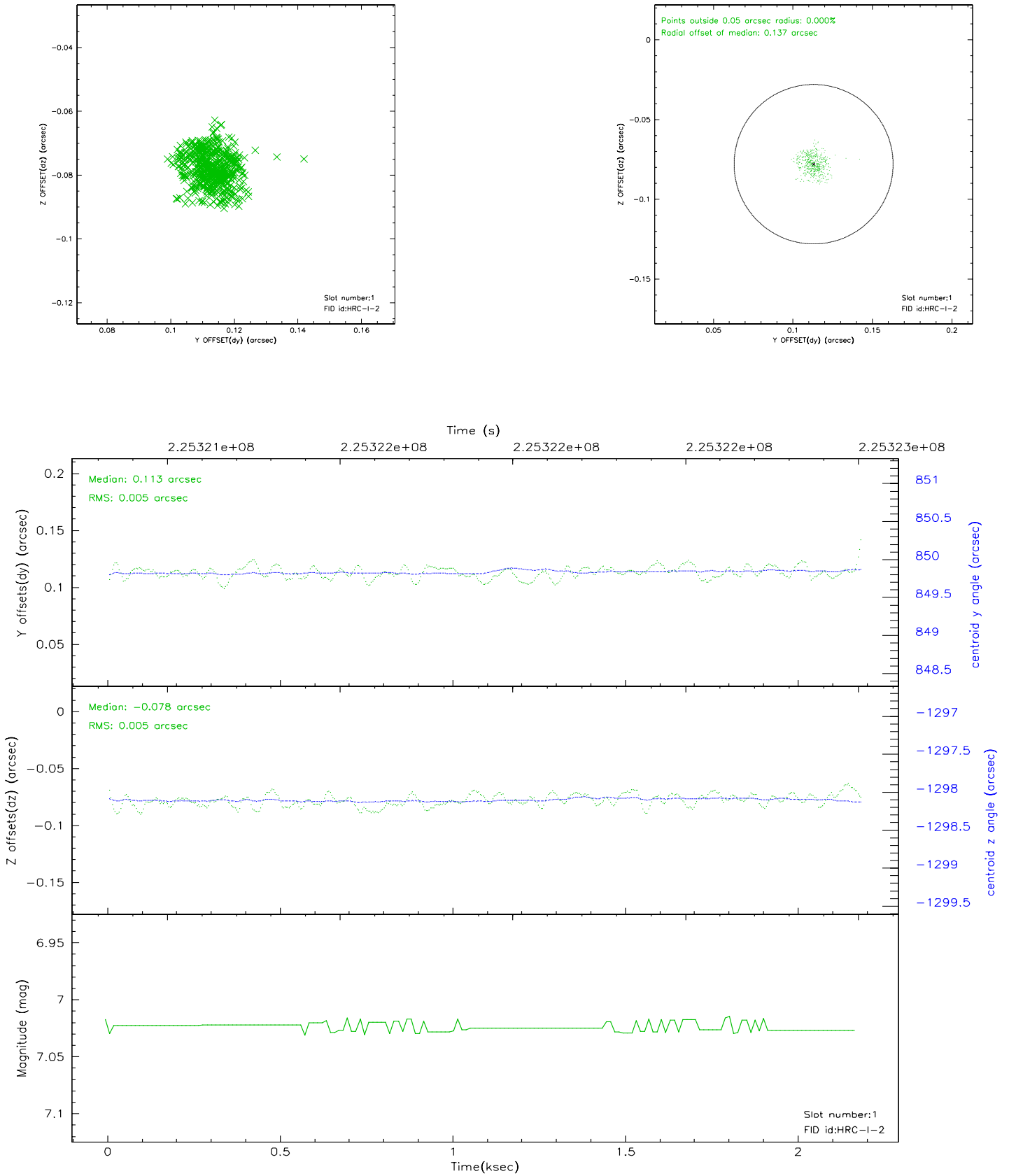


2.5 FID Slots

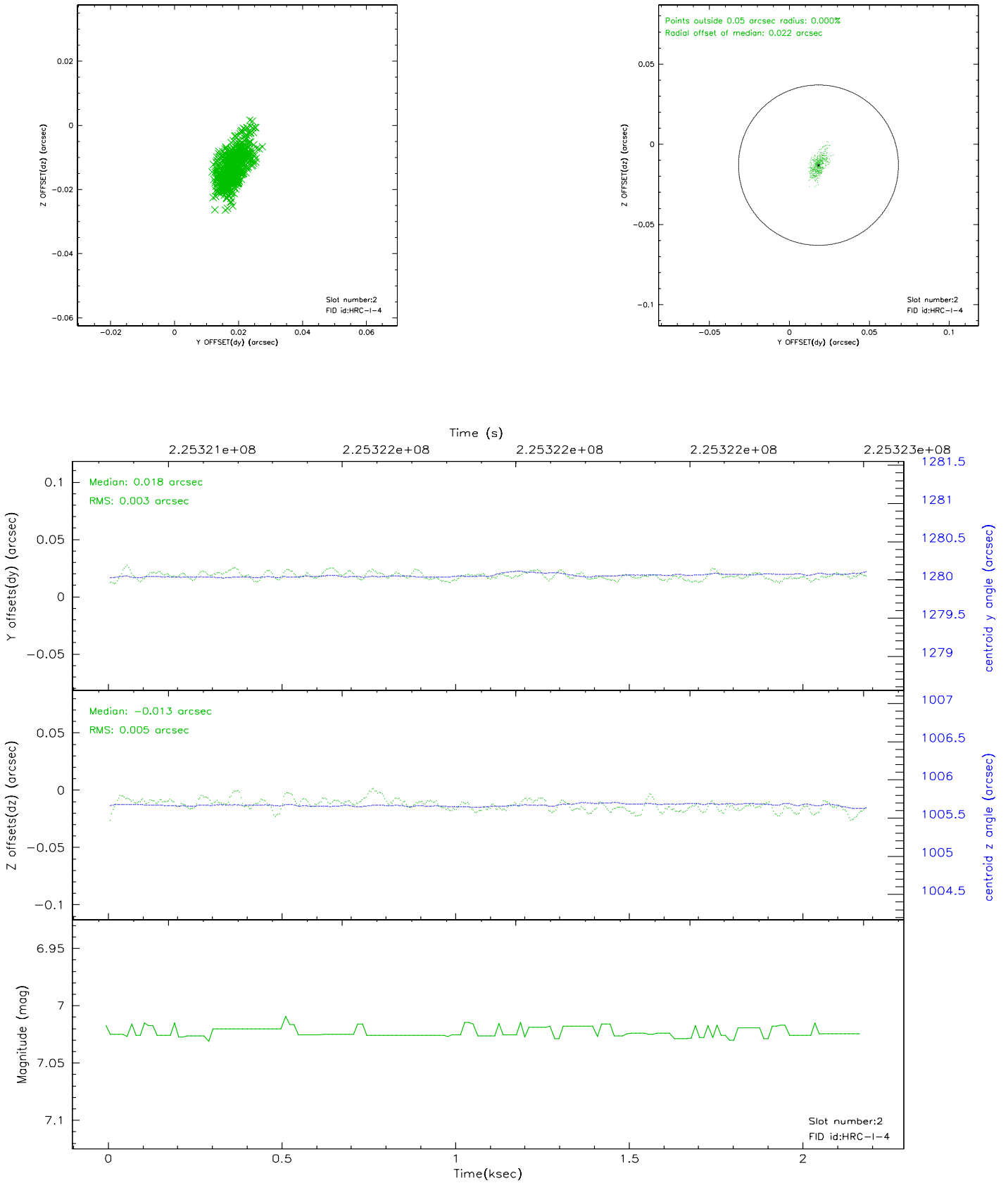
2.5.1 Slot 0



2.5.2 Slot 1

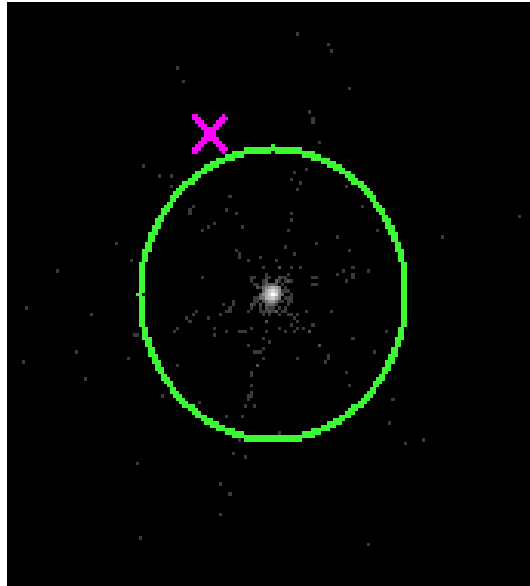


2.5.3 Slot 2

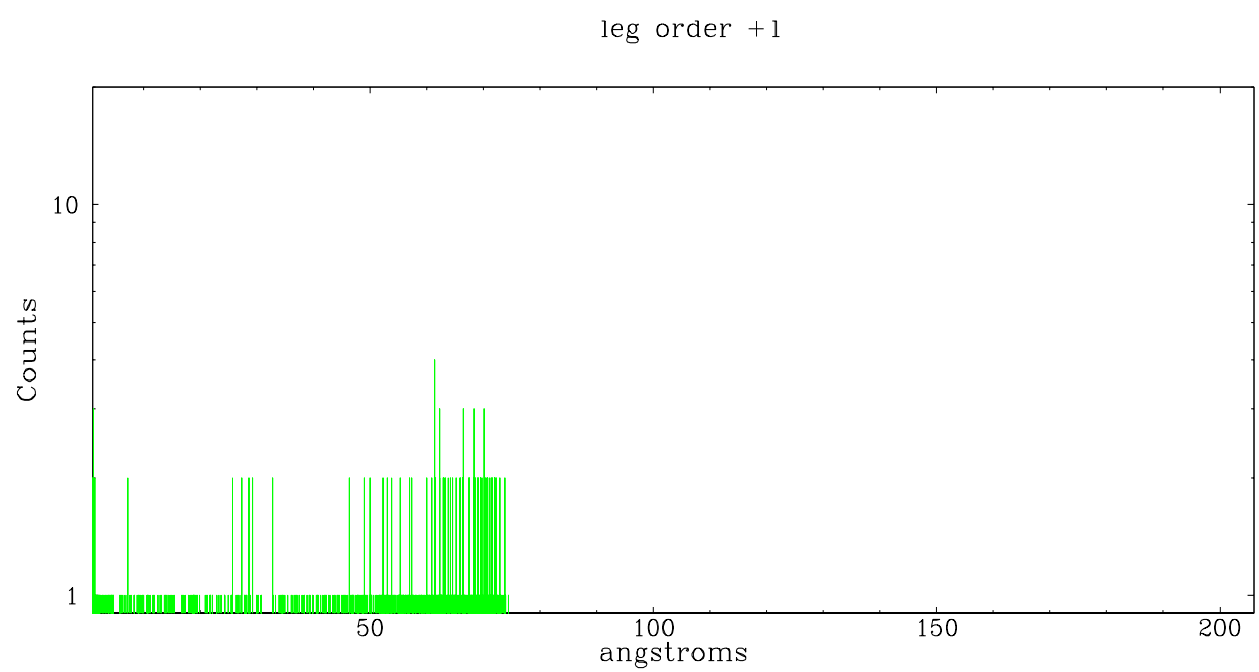
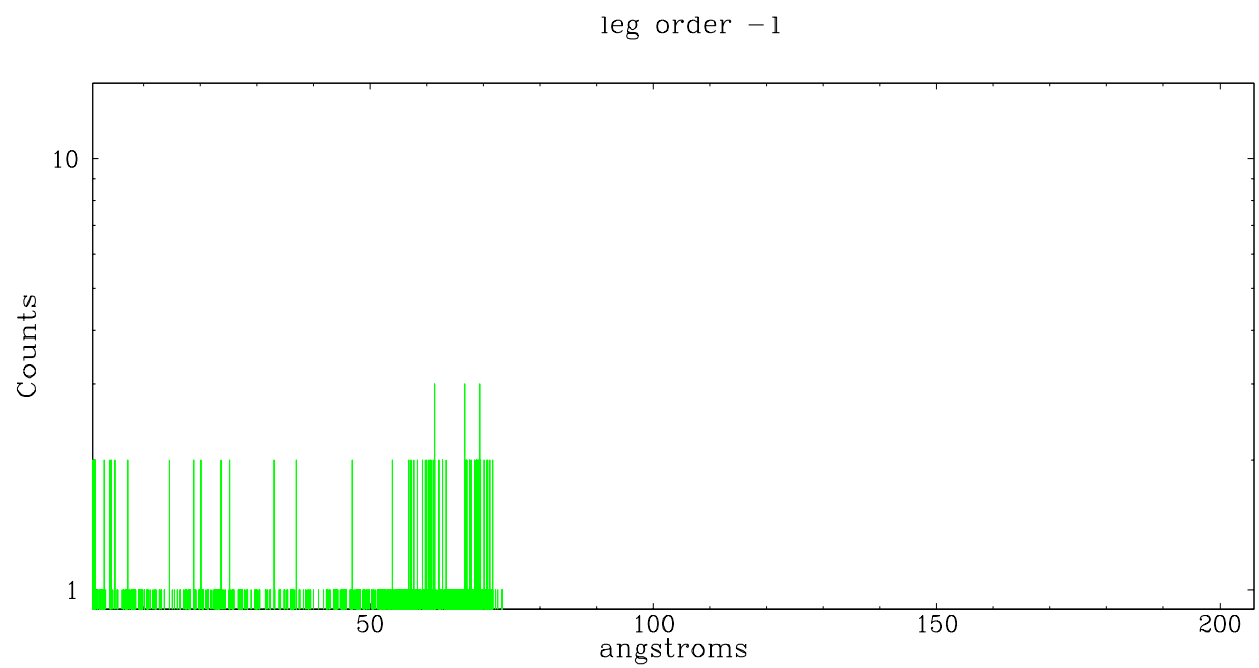


3 Gratings

3.1 LETG Arm



LETG Zero Order



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2007.12.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.180175

A.2 Comments

The current observation has been reprocessed as part of Repro III ('C' supplement)

the purpose of which is to update all HRC-I ObsIDs since Jan 2000 to the

latest calibrations available for that configuration. Specifically, we are updating the DEGAP solution and the Gain Maps applied. For more information see the Repro IIIC web page

at

<http://asc.harvard.edu/cda/repro3.html#IIIC>

and the associated links.