

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 2584 - L2 Version 001
Chandra X-Ray Center

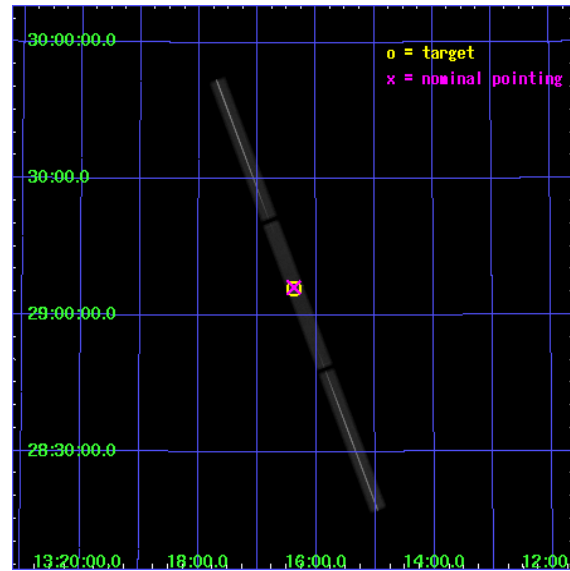
L2 Processing Date : Jan 17 2007

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1 Front

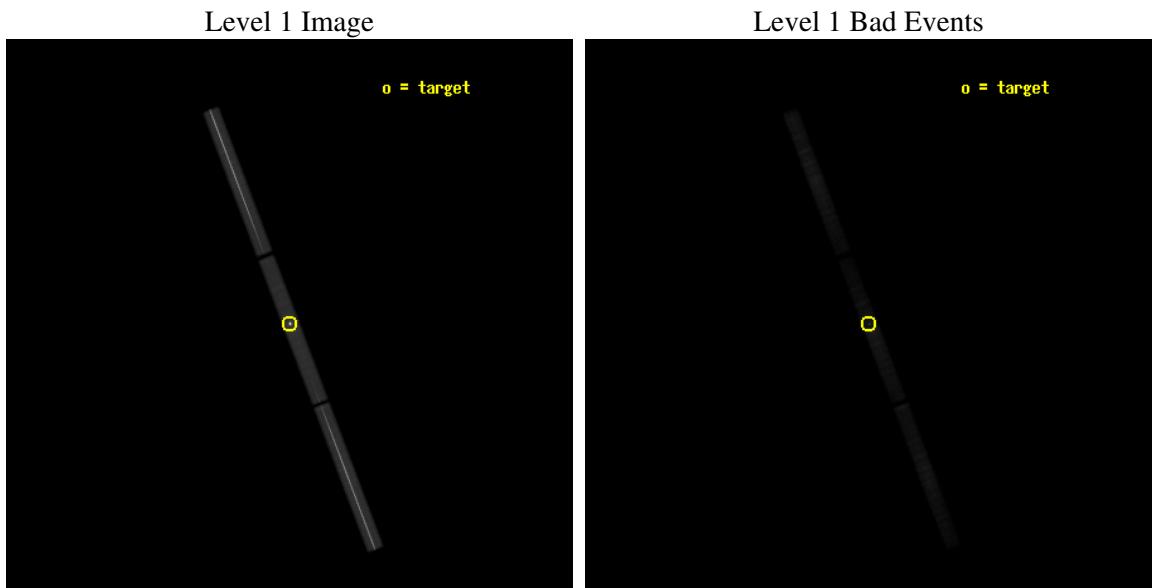
seq_num	290140
obs_id	2584
title	AO3 CALIBRATION OBSERVATIONS OF HZ43
observer	Dr. CXC Calibration
object	HZ43
ra_targ	199.092083
dec_targ	29.099
ra_nom	199.09412808049
dec_nom	29.103268694188
roll_nom	69.096062271538
revision	2
ontime	19189.025770828
livetime	19009.617429454
l2events	1705497



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1
ascdsver	7.6.10
caldsver	3.3.0
date	2007-01-17T03:31:15
revision	2

sched_exp_time	19000.000000
ontime	19189.025770828
l1events	2226311

2.1.3 Events

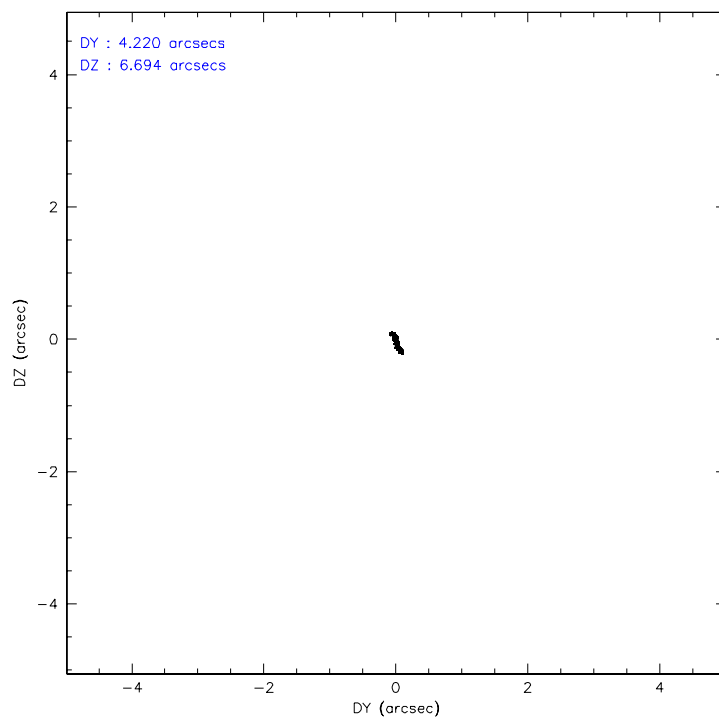
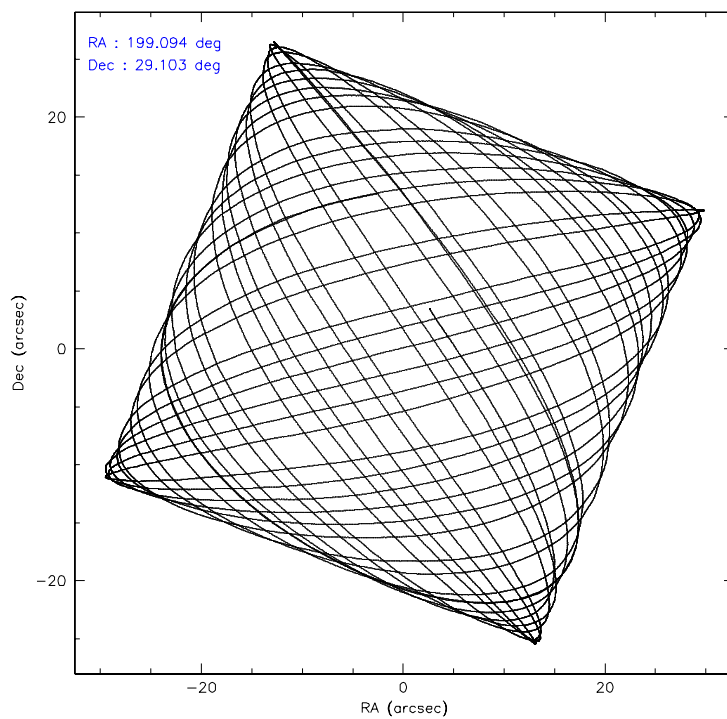
Level 1 Events

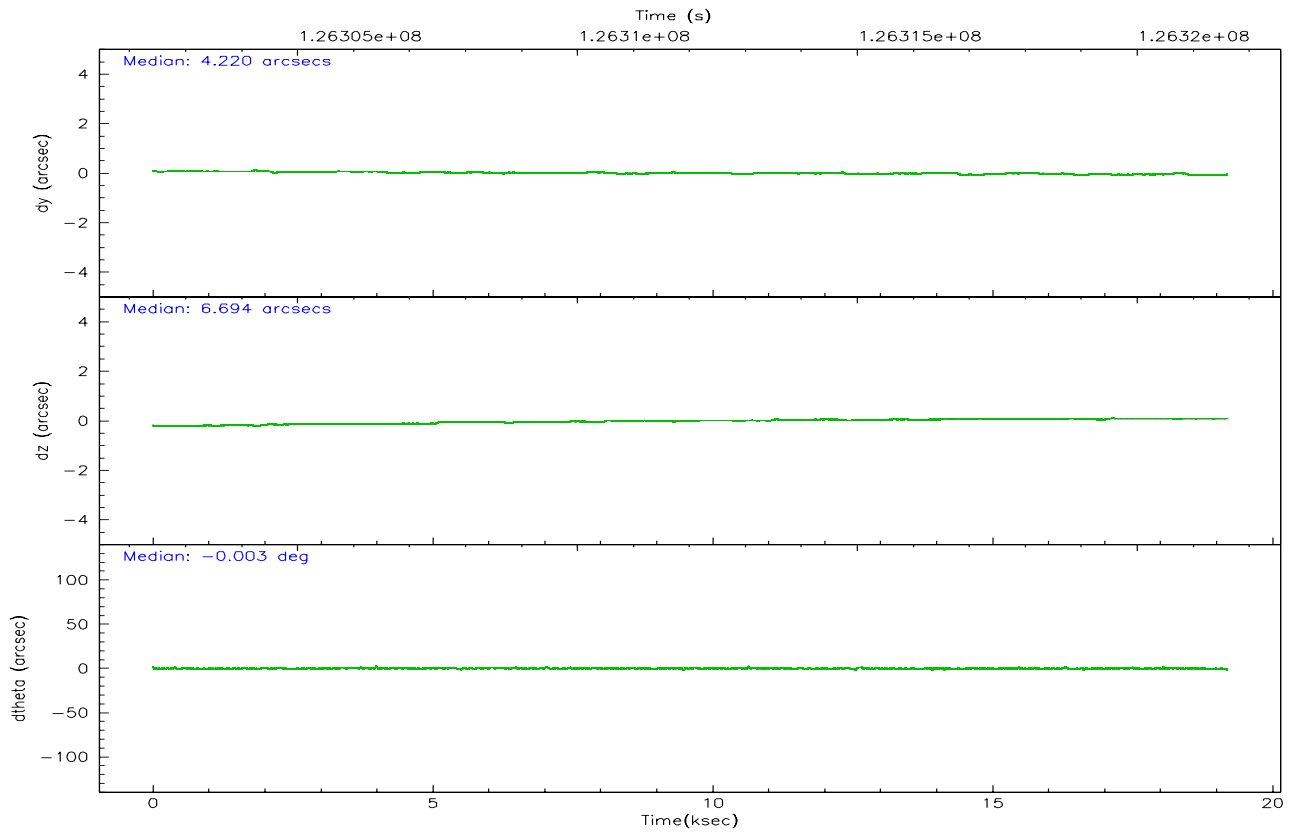
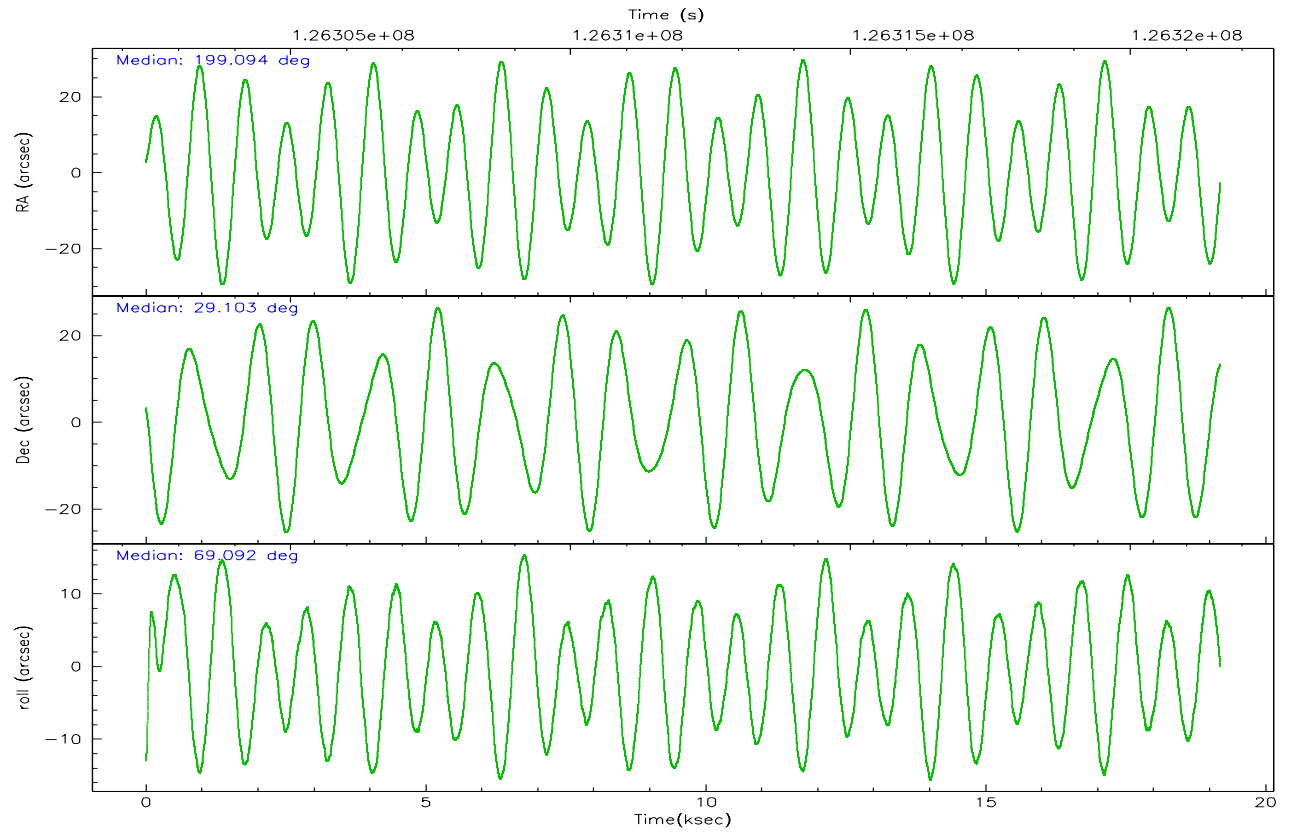
	segment 1	segment 2	segment 3
level 1 events	783987	659394	782930
rejected events	109501	115941	130617
rejected %	13%	17%	16%

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	199.100896	199.0941280804883			
Pointing Dec	29.075342	29.10326869418802			
Pointing Roll	69.025454	69.09606227153822			
Window start time	123552064.184000	123552064.184000			
Window stop time	128822464.184000	128822464.184000			
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	126302605.184000	126301906.20221			
Observation start date	2002-01-01T20:02:21	2002-01-01T19:51:46			
Observation end time	126321605.184000	126321775.82801			
Observation end date	2002-01-02T01:19:01	2002-01-02T01:22:55			

2.3 Aspect



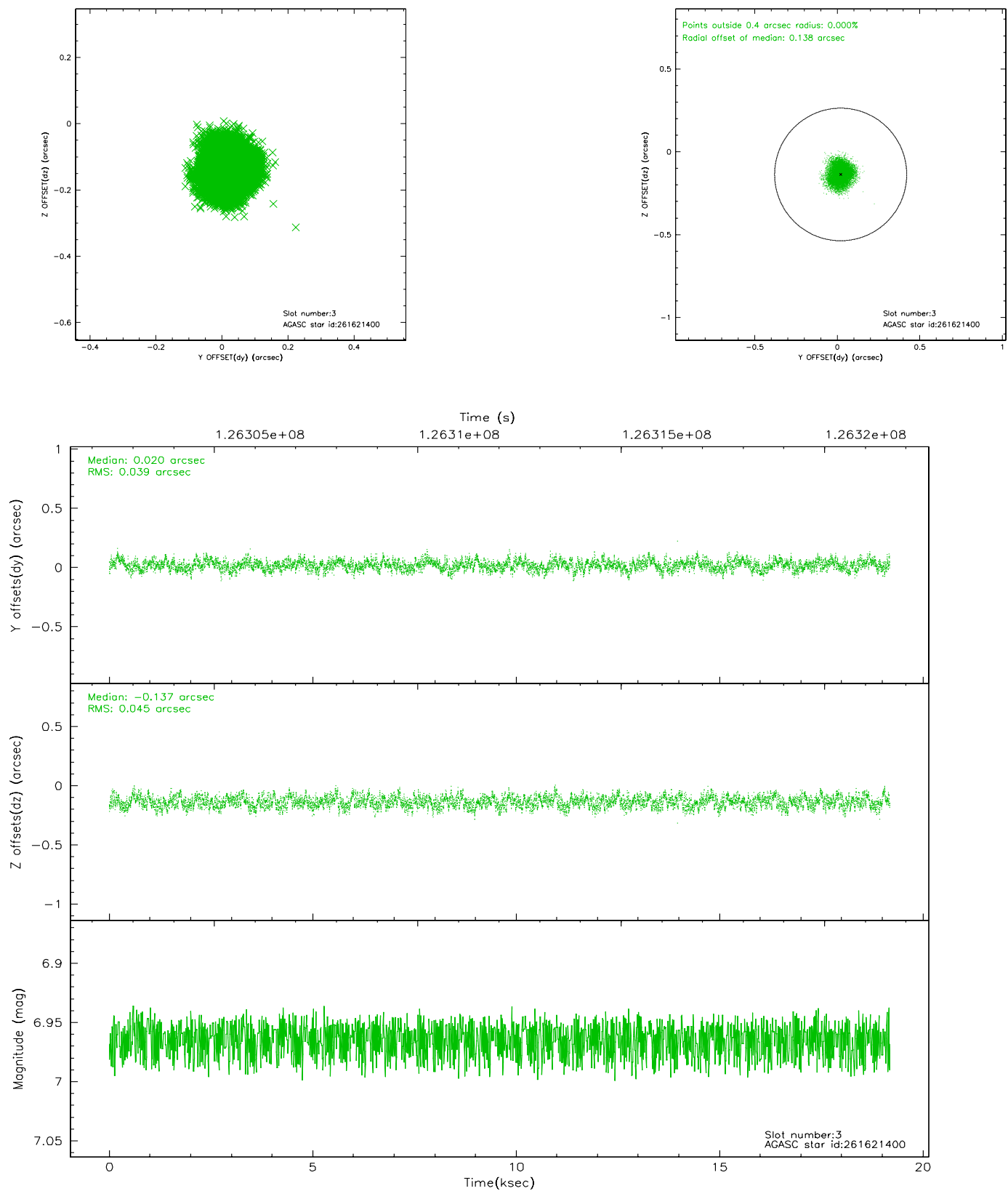


Slot Statistics

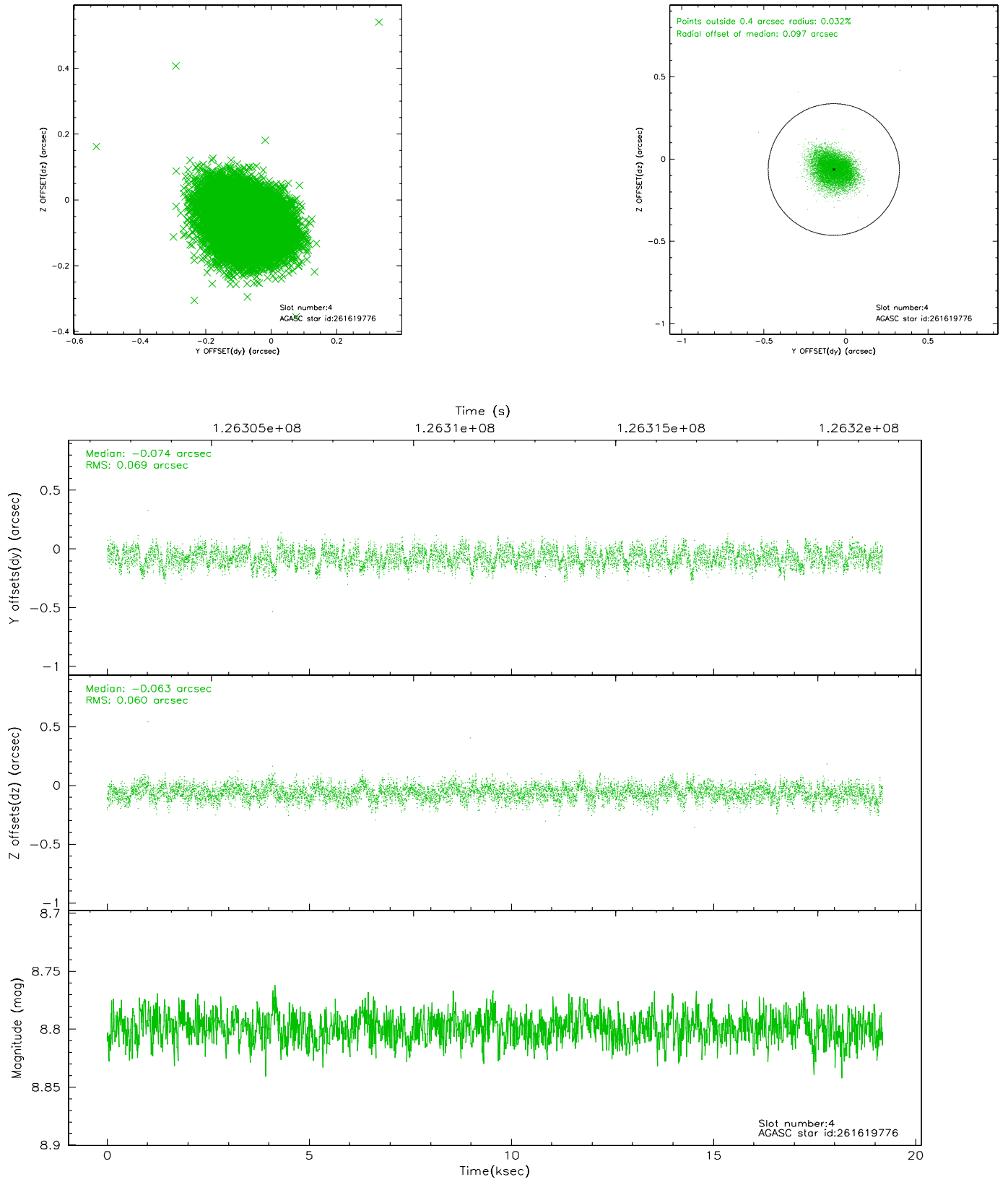
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.01	4681	0.151	-0.121	0.009	0.015	0.000000	0.000000	-1158.29	-455.15
1	FID	HRC-S-2	7.00	4681	0.084	-0.090	0.005	0.009	0.000000	0.000000	1241.08	-447.88
2	FID	HRC-S-3	7.02	4681	0.155	-0.091	0.009	0.016	0.000000	0.000000	-1160.73	574.31
3	GUIDE	261621400	6.96	9362	0.020	-0.137	0.066	0.099	198.901600	28.741982	-1345.39	158.57
4	GUIDE	261619776	8.80	9361	-0.074	-0.063	0.098	0.155	198.654383	29.401174	595.99	1729.06
5	GUIDE	261619992	9.32	9348	0.215	-0.120	0.097	0.157	198.395553	28.647634	-2229.19	1532.66
6	GUIDE	261623040	9.13	9361	-0.220	-0.074	0.075	0.122	198.792686	29.757643	1949.25	1780.13
7	GUIDE	261623624	9.12	9353	0.060	0.388	0.102	0.160	199.611555	28.454113	-1506.17	-2307.35

2.4 Star Slots

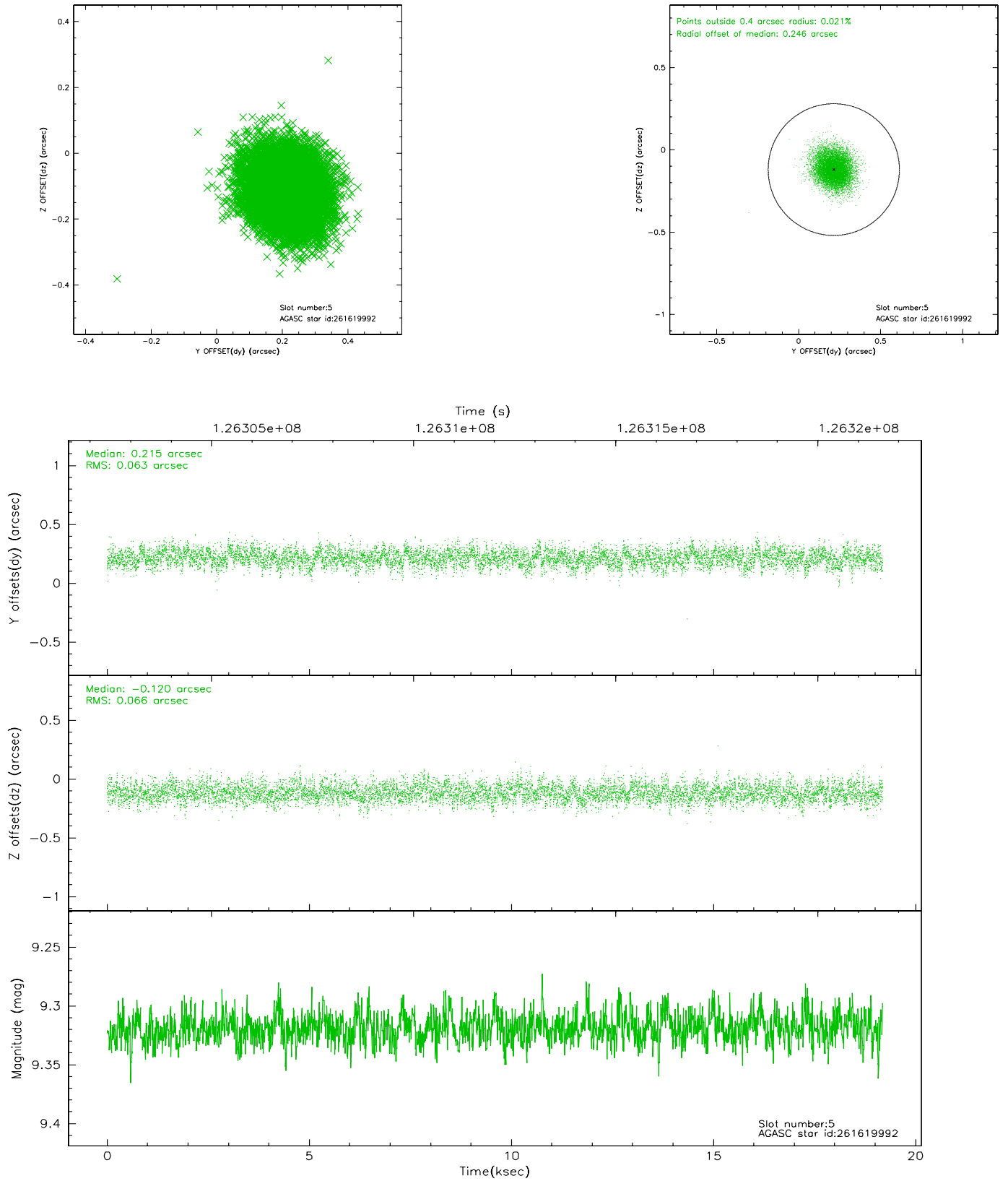
2.4.1 Slot 3



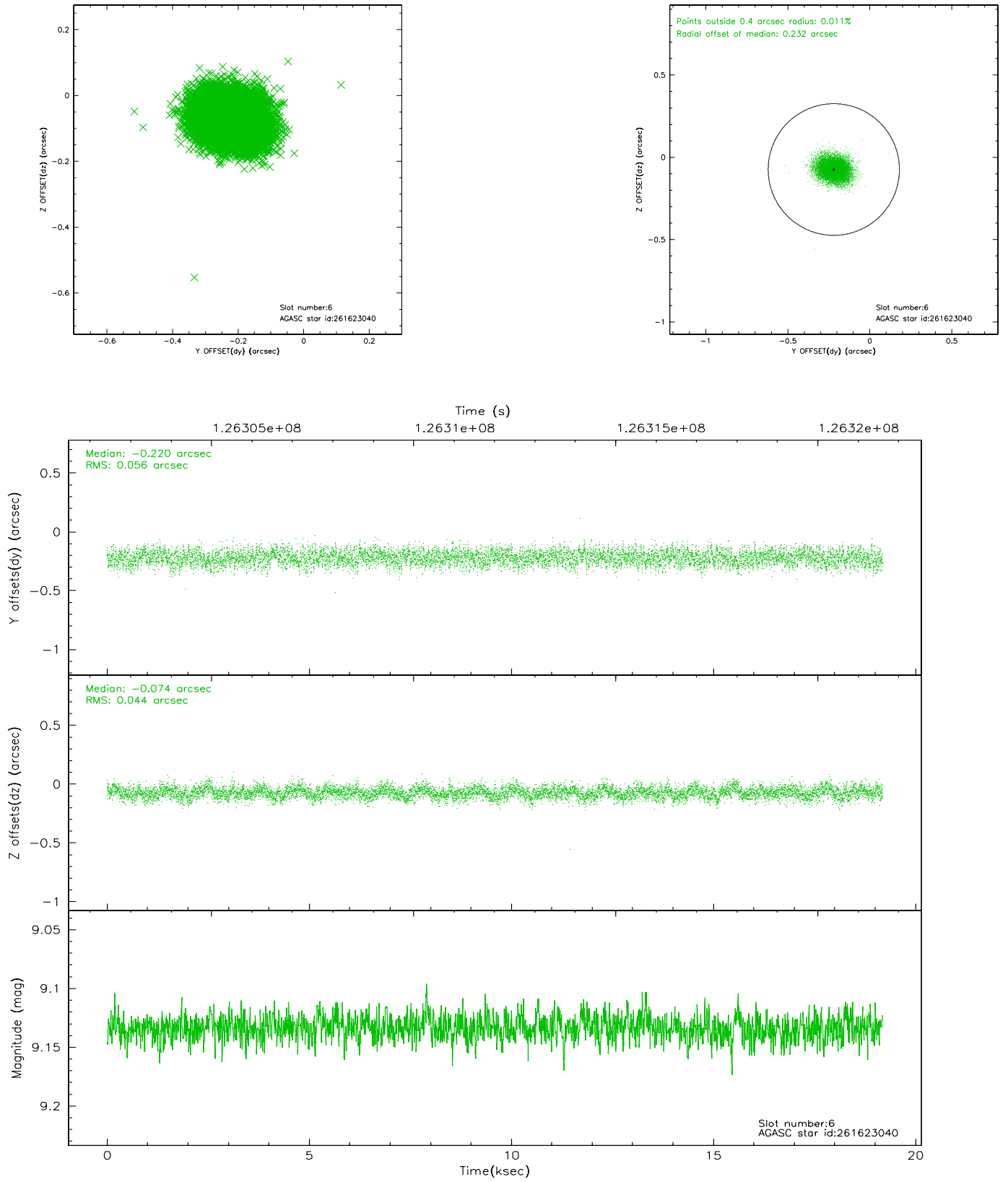
2.4.2 Slot 4



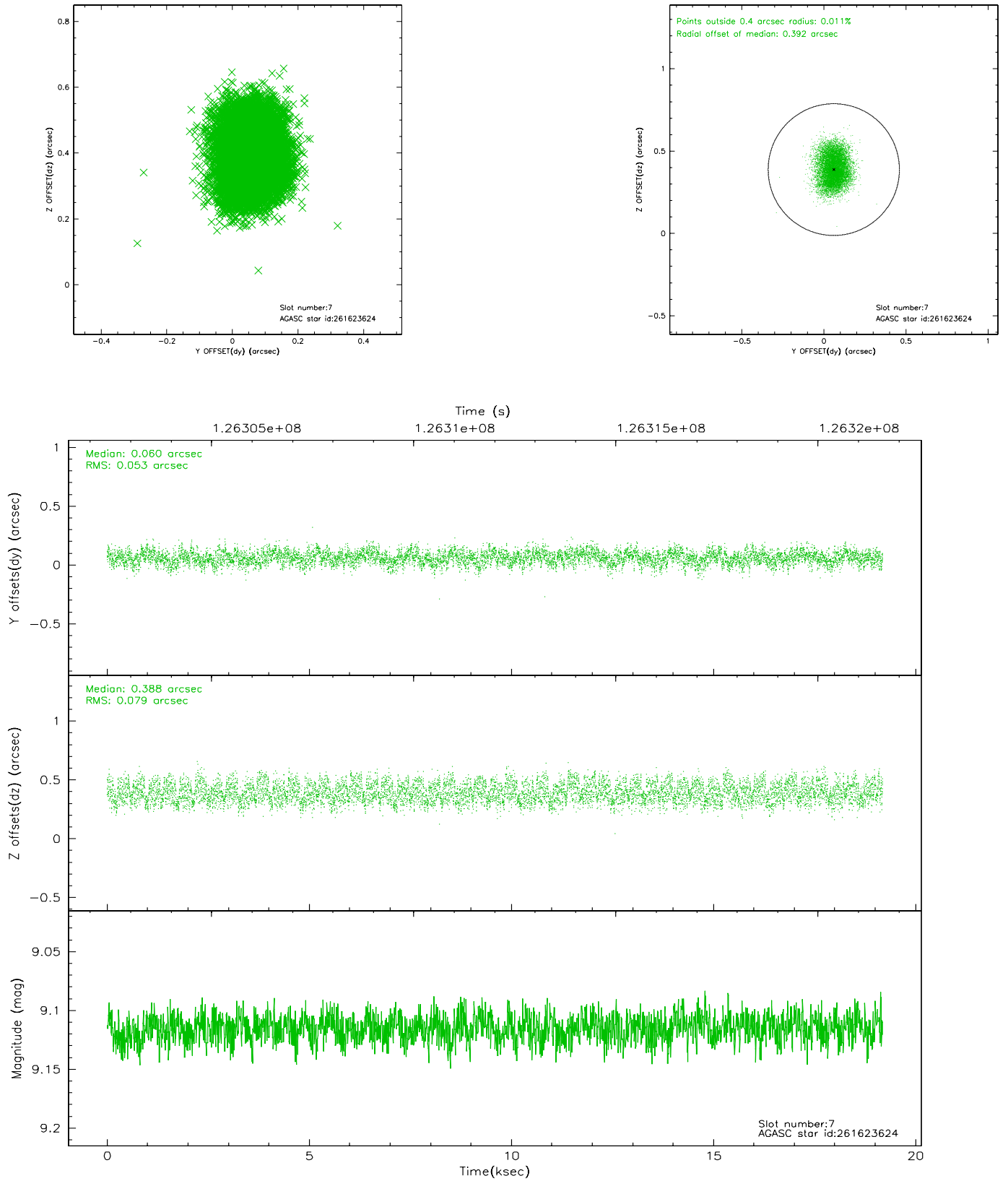
2.4.3 Slot 5



2.4.4 Slot 6

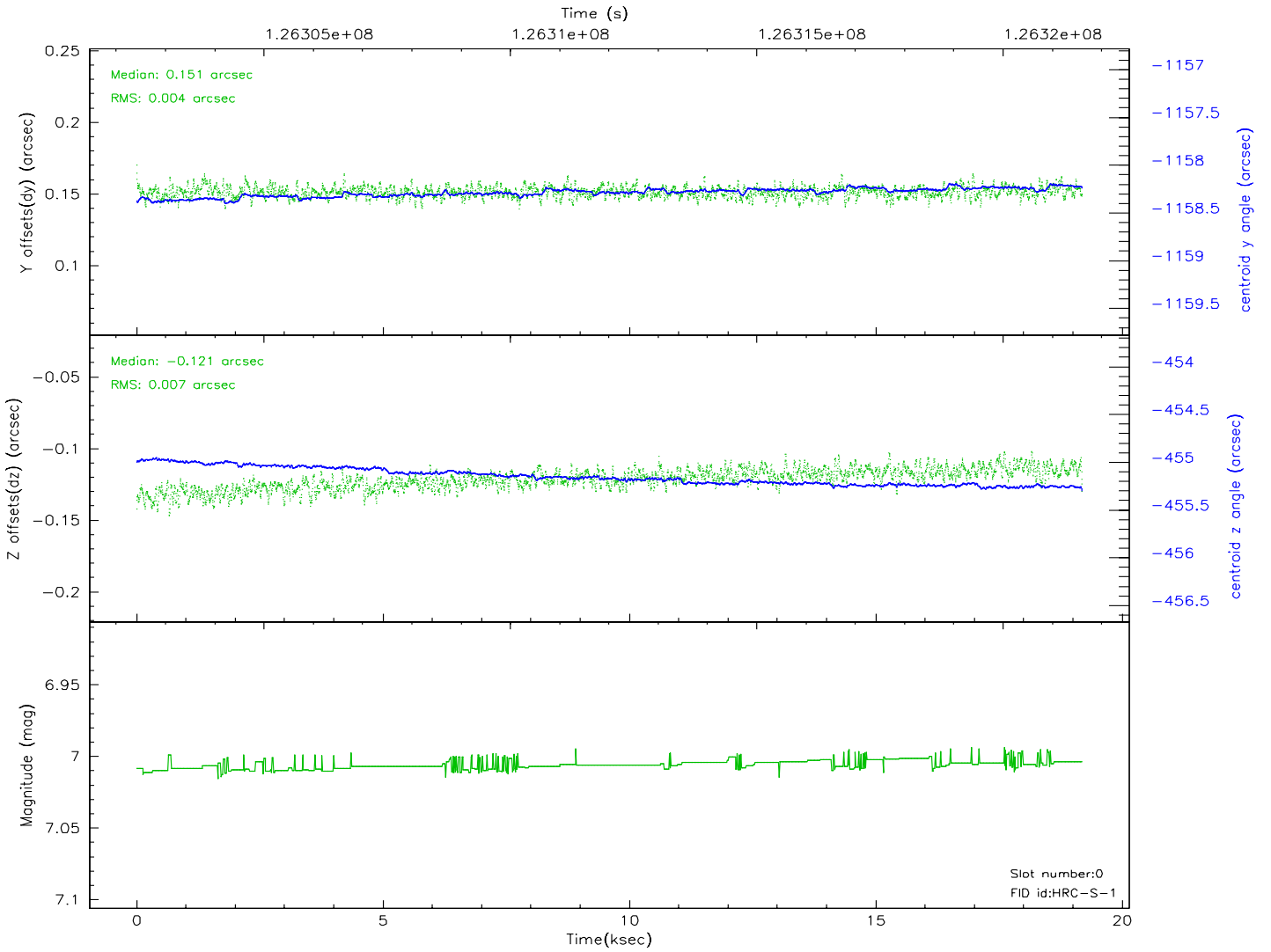
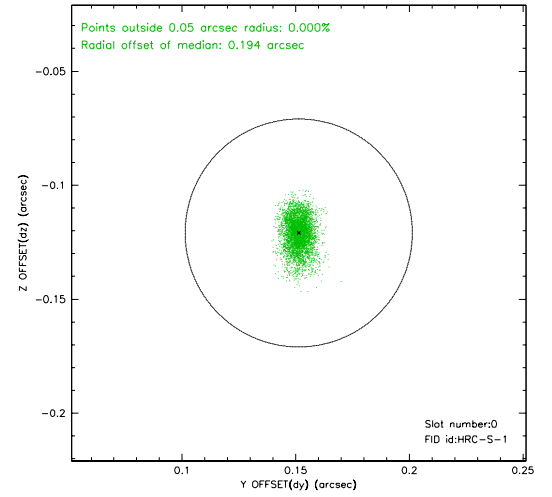
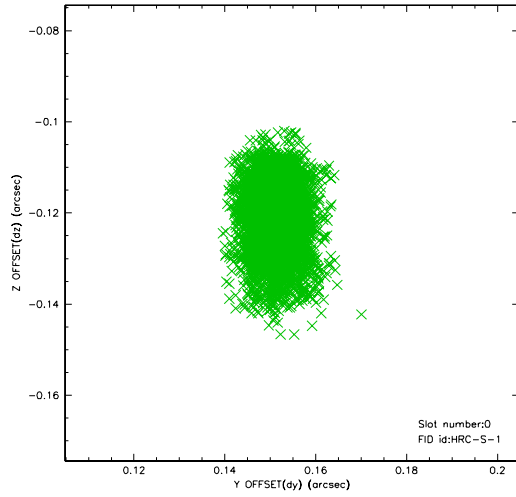


2.4.5 Slot 7

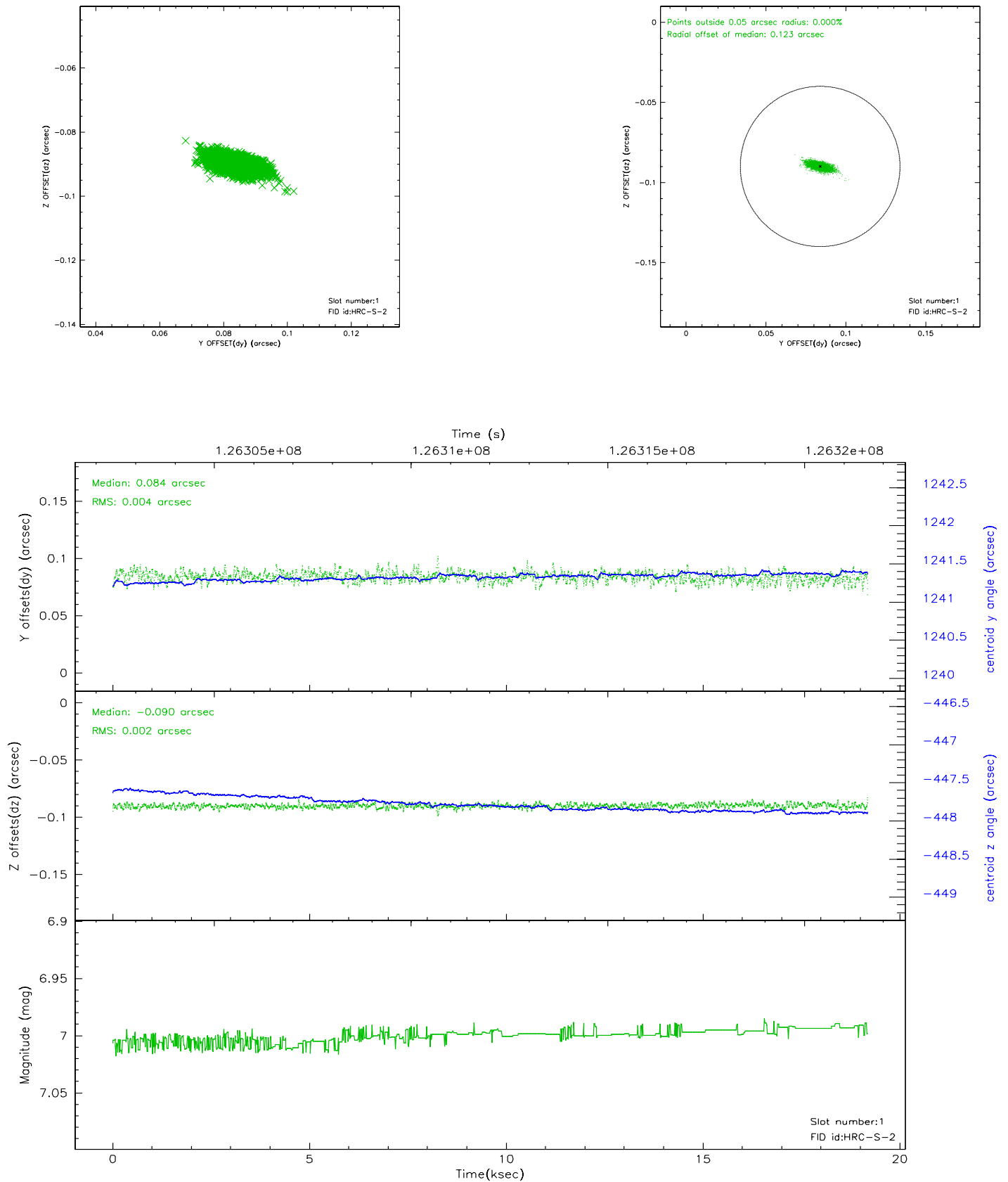


2.5 FID Slots

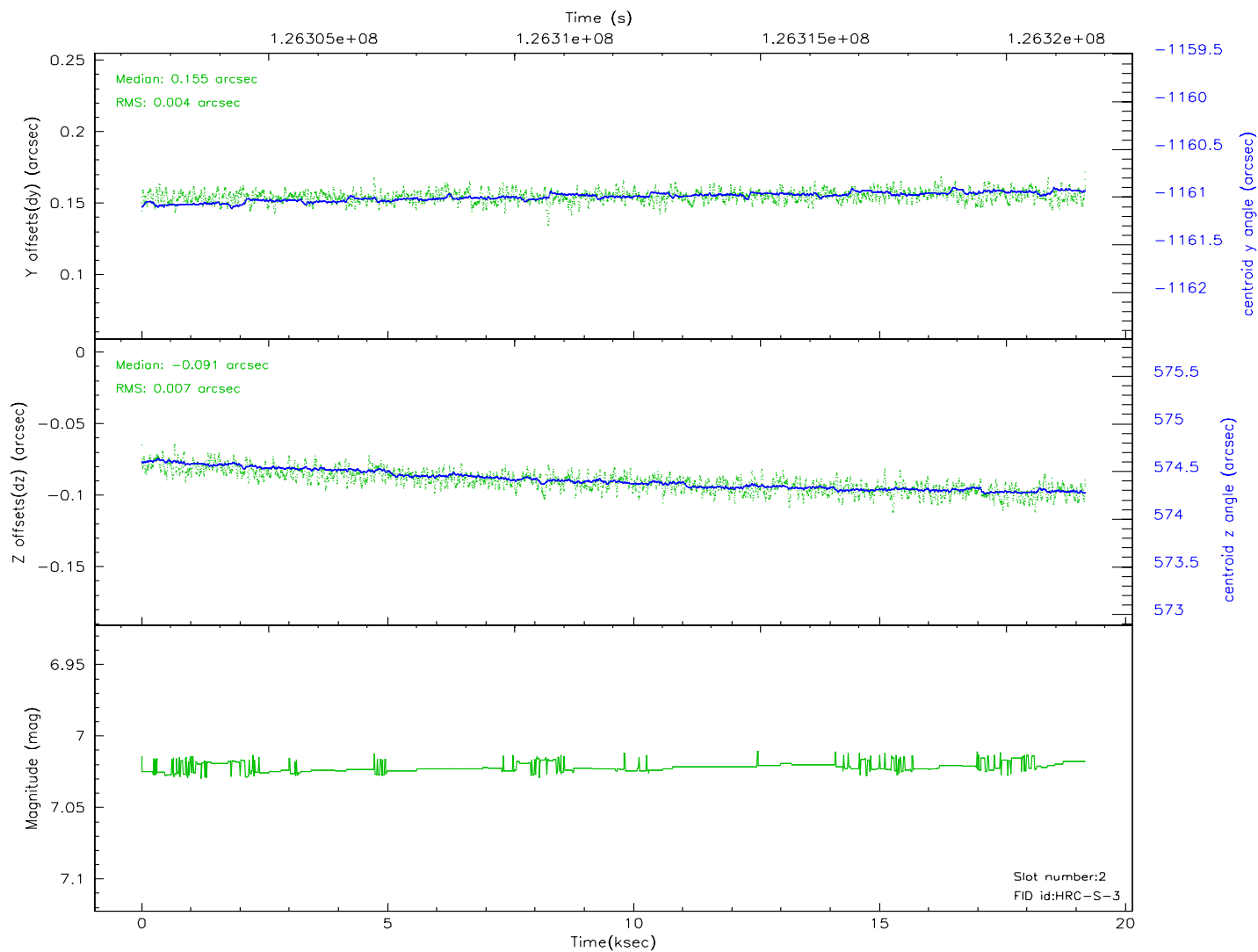
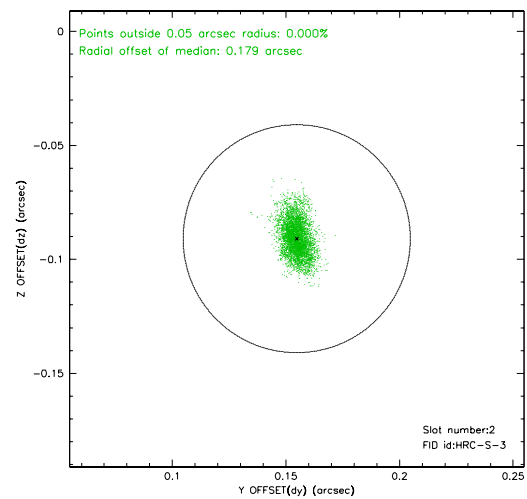
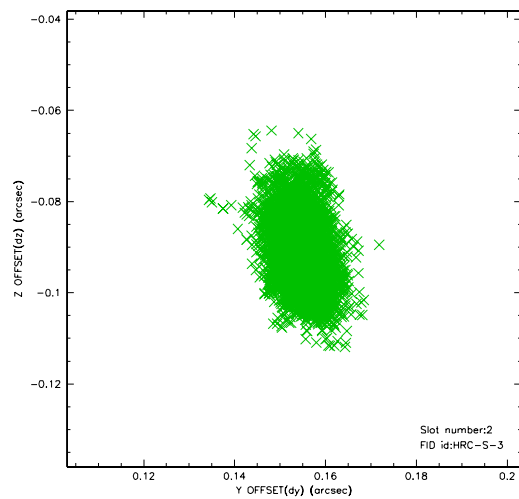
2.5.1 Slot 0



2.5.2 Slot 1

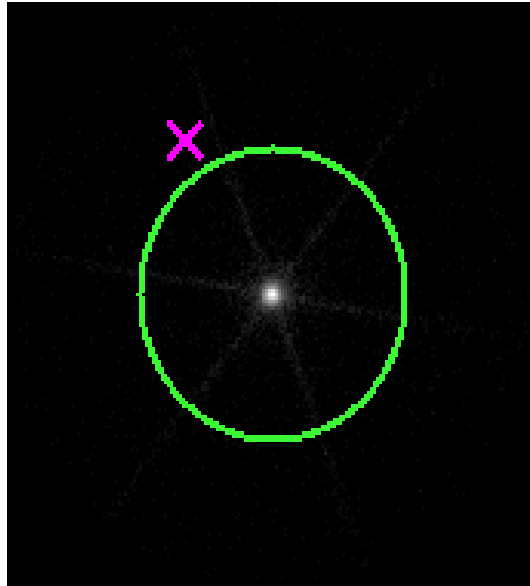


2.5.3 Slot 2



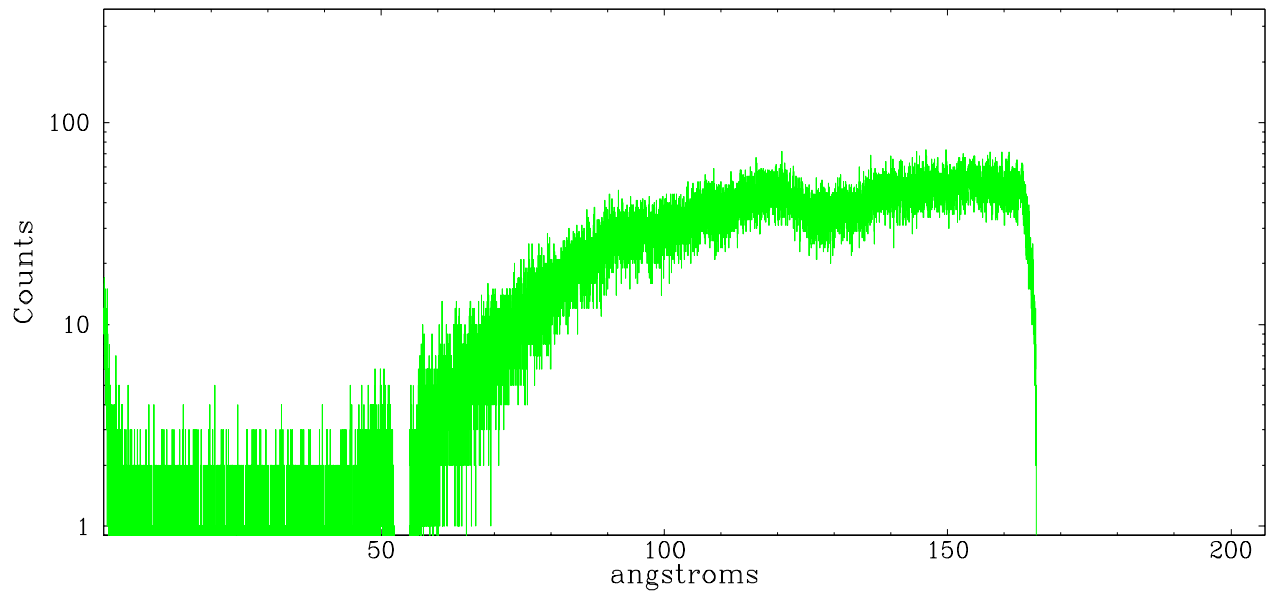
3 Gratings

3.1 LETG Arm

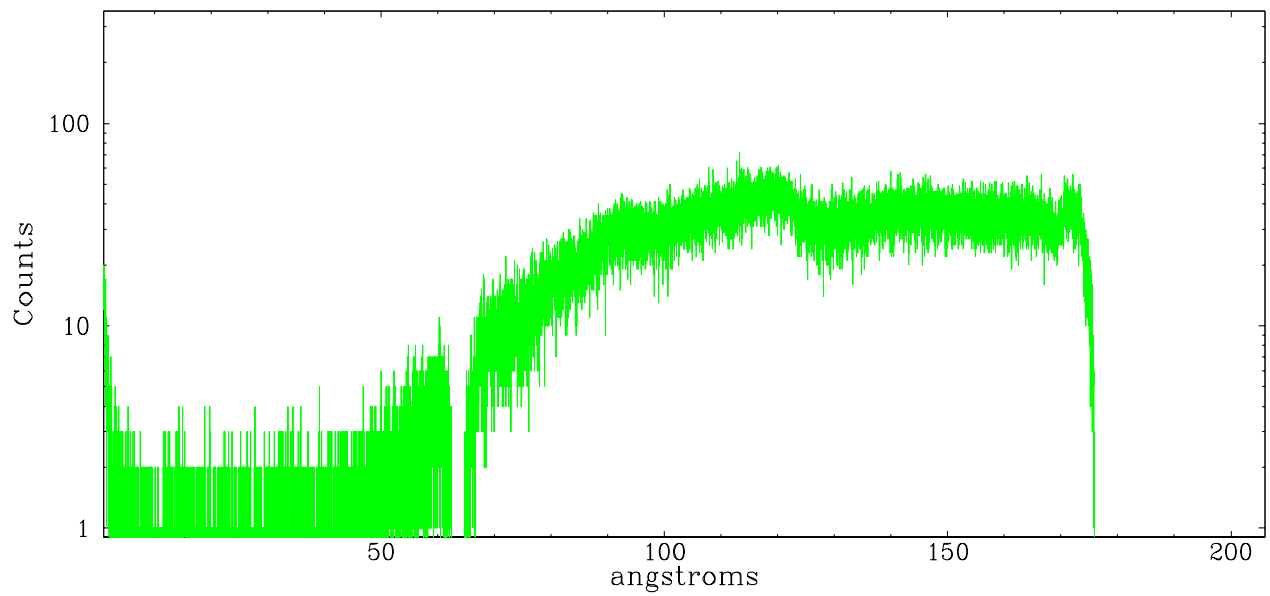


LETG Zero Order

leg order -1



leg order +1



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2007.03.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.183

A.2 Comments

There are several periods of a high radiation environment during this observation, resulting in enhanced count rates during these times. The periods of enhanced radiation are centered at about (times from start of observation) 3 ksec, 6-7 ksec, and several periods between 13-19 ksec.