

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 5045 - L2 Version 3
Chandra X-Ray Center

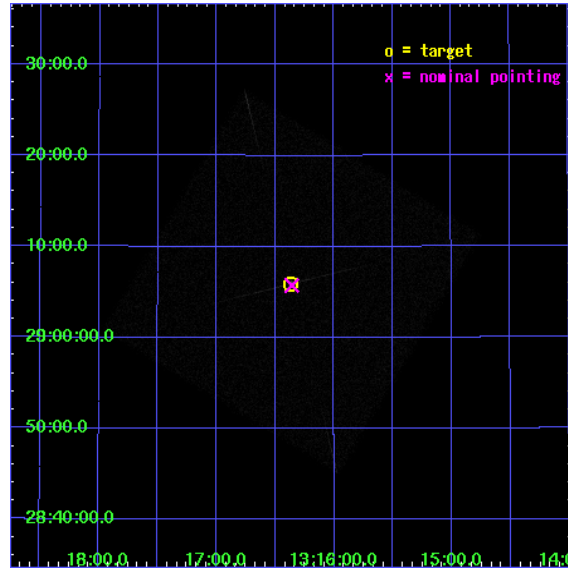
L2 Processing Date : Nov 23 2007

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
3	Gratings	17
3.1	LETG Arm	17
A	Summary	19
A.1	Status	19
A.2	Comments	19

1 Front

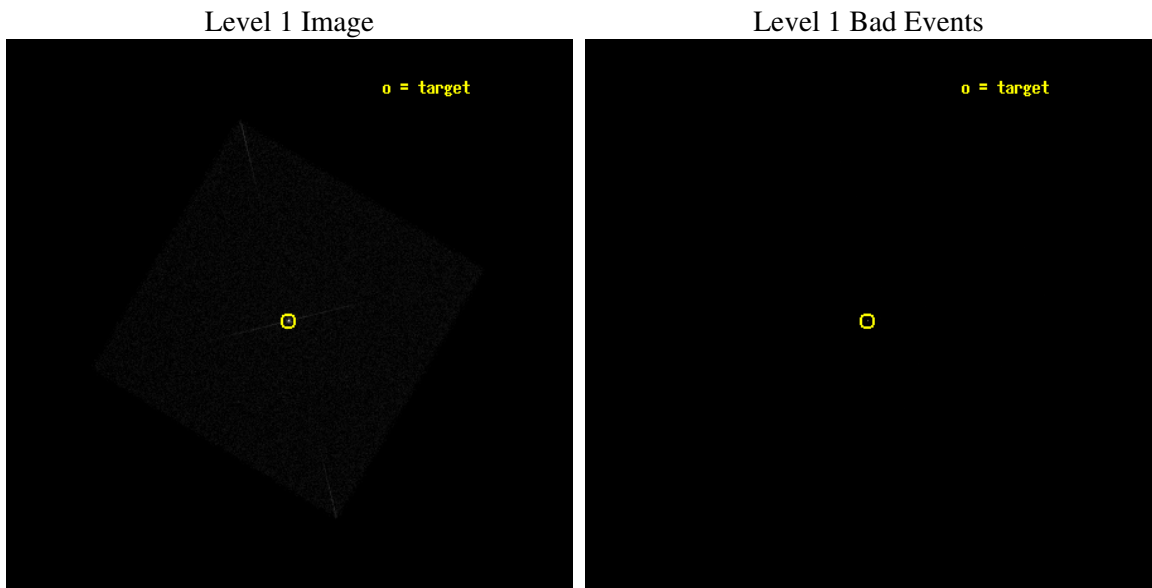
seq_num	290318
obs_id	5045
title	AO5 Calibration Observations of HZ43
observer	Dr. CXC Calibration
object	HZ43
ra_targ	199.092083
dec_targ	29.099
ra_nom	199.08961831626
dec_nom	29.095567074277
roll_nom	256.00368010778
revision	3
ontime	2147.3750953674
livetime	2133.0991996775
l2events	79990



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0
ascdsver	7.6.11.2
caldbver	3.4.1
date	2007-11-24T00:16:01
revision	3

sched_exp_time	1969.000000
ontime	2147.3750953674
l1events	164246

2.1.3 Events

Level 1 Events

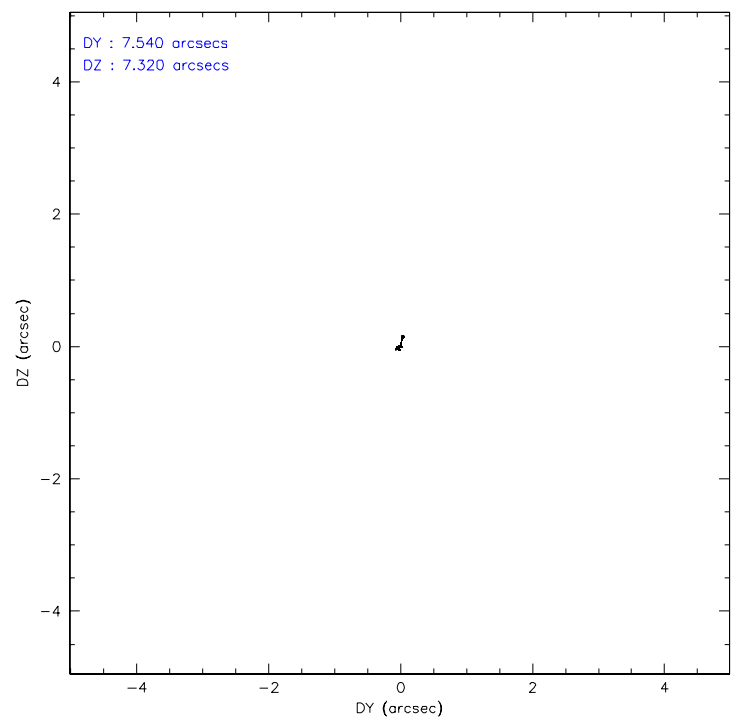
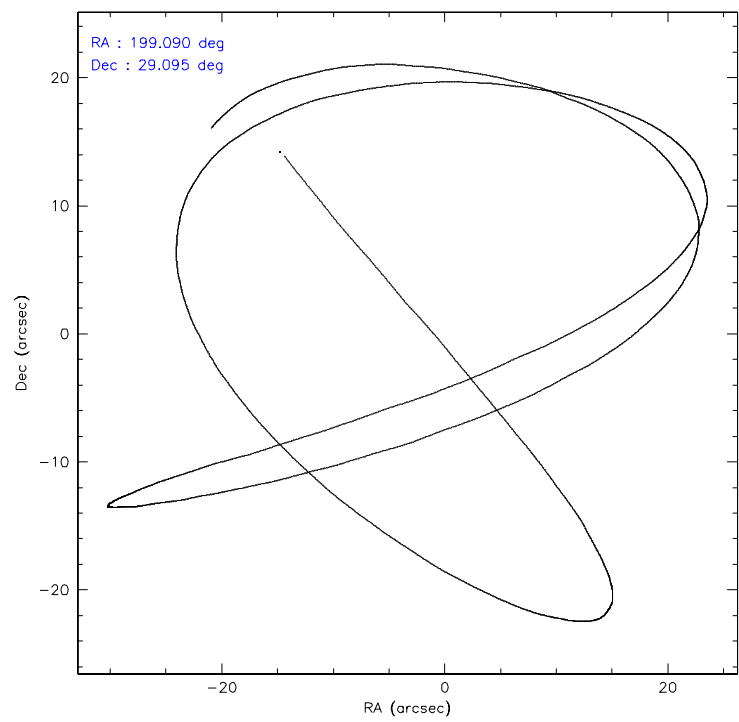
	segment 0
level 1 events	164246
rejected events	48817
rejected %	29%

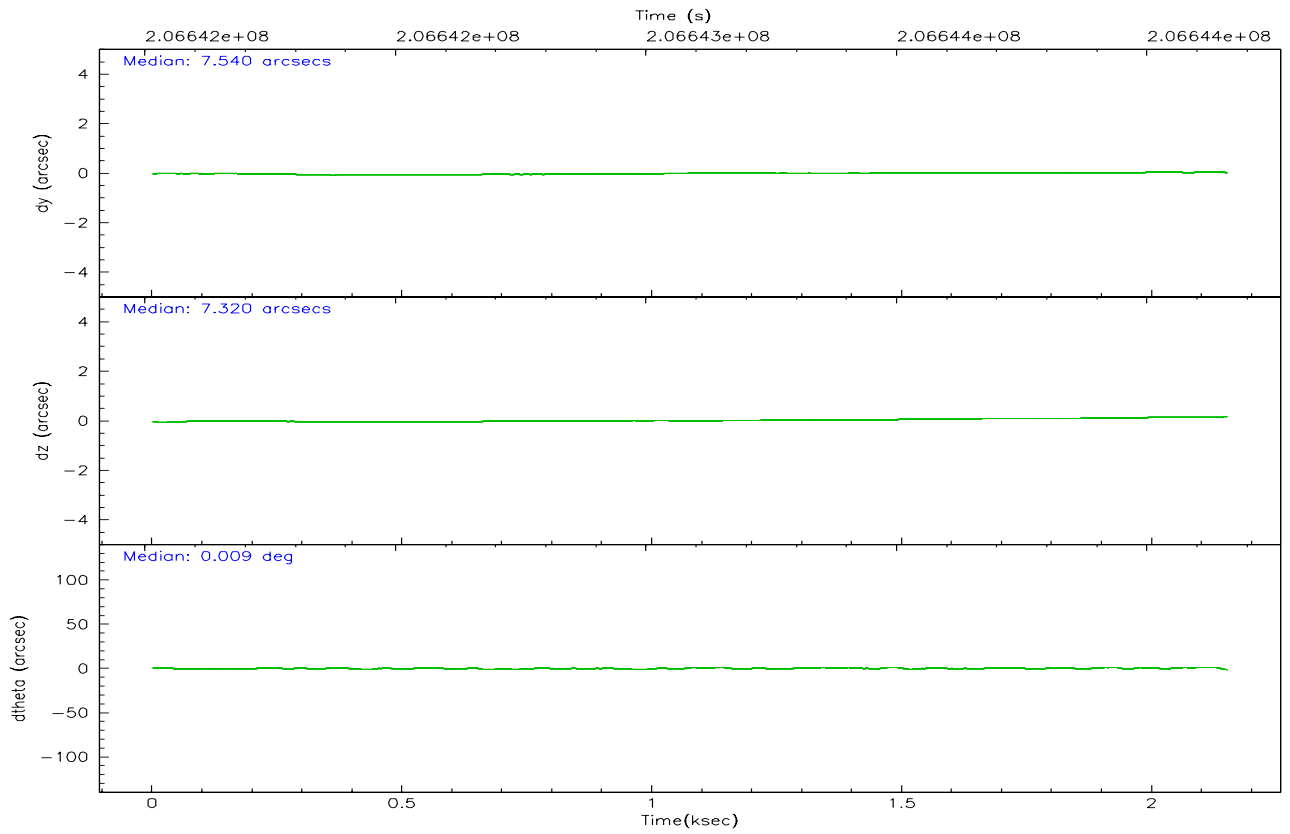
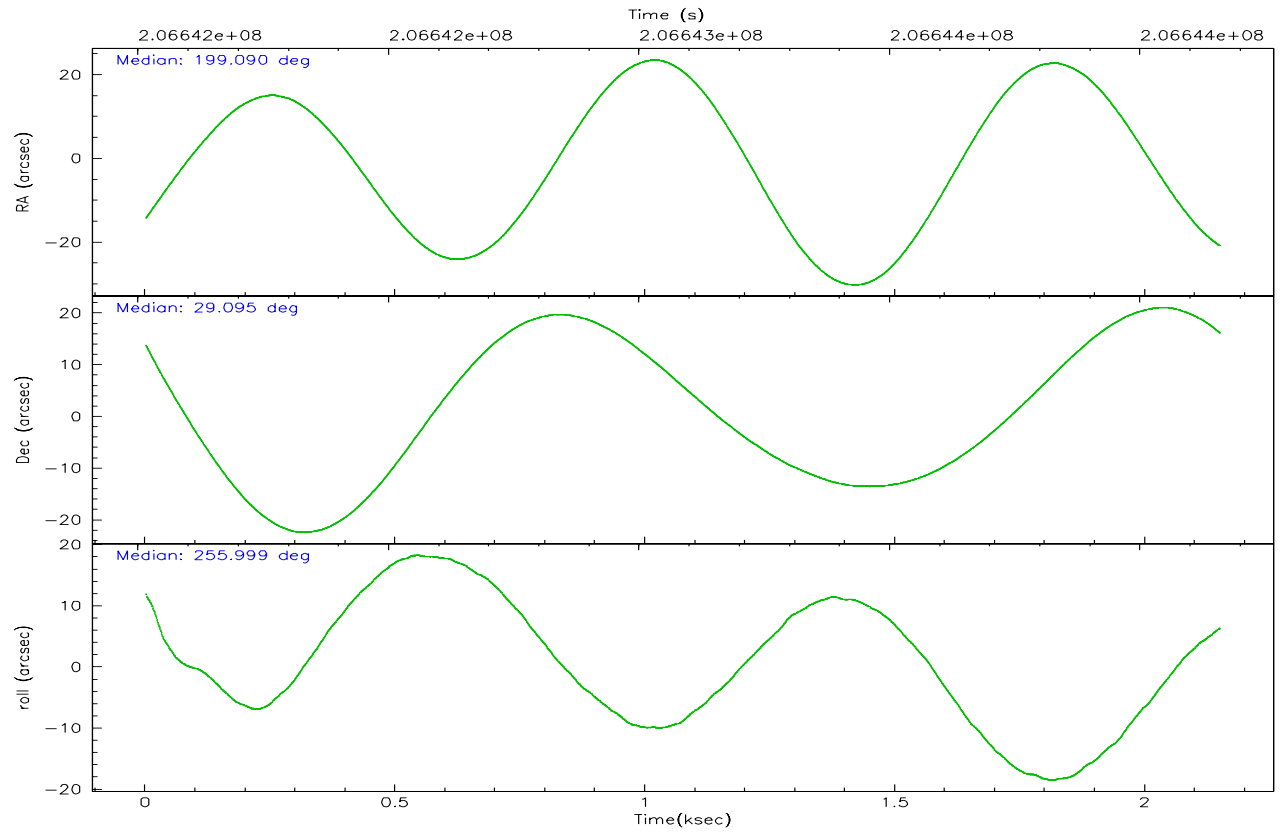
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	LETG	LETG
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	199.079994	199.0896183162601
Pointing Dec	29.121530	29.09556707427654
Pointing Roll	256.103858	256.0036801077796
Window start time	202435264.184000	202435264.184000
Window stop time	207619264.184000	207619264.184000
SIM focus pos (mm)	-1.040293	-1.038866356238299
SIM defocus (mm)	0	0.001426264420575141
SIM translation stage pos (mm)	126.985494	126.9829799899862
SIM translation stage offset (mm)	0	0.002508901615314585
Observation start time	206642199.184000	206641053.41055
Observation start date	2004-07-19T16:35:35	2004-07-19T16:17:33
Observation end time	206644168.184000	206644303.1732
Observation end date	2004-07-19T17:08:24	2004-07-19T17:11:43

Parameter	Planned	Actual
Obspar format version number	6	6
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



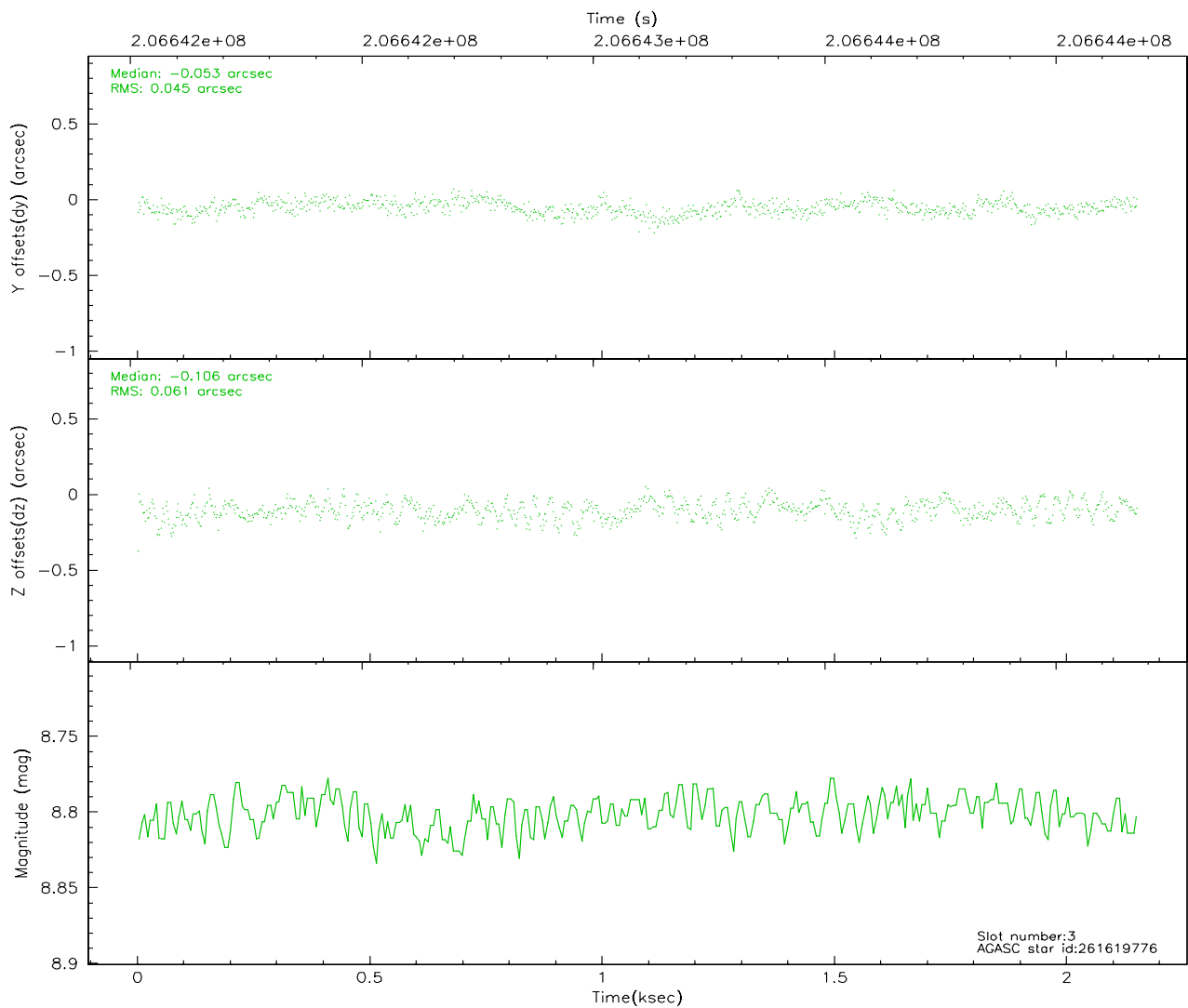
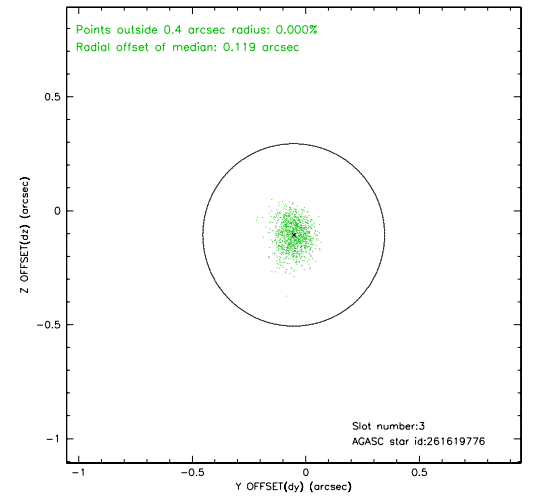
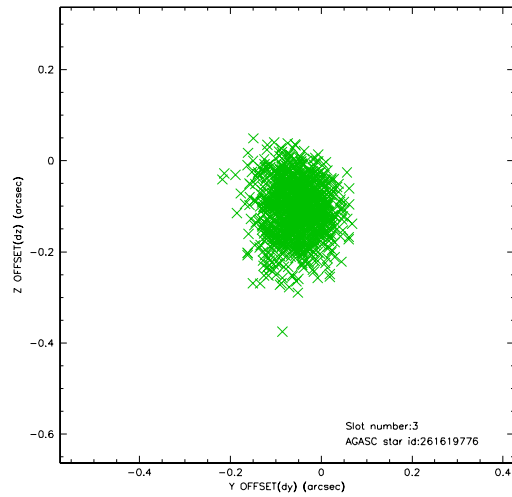


Slot Statistics

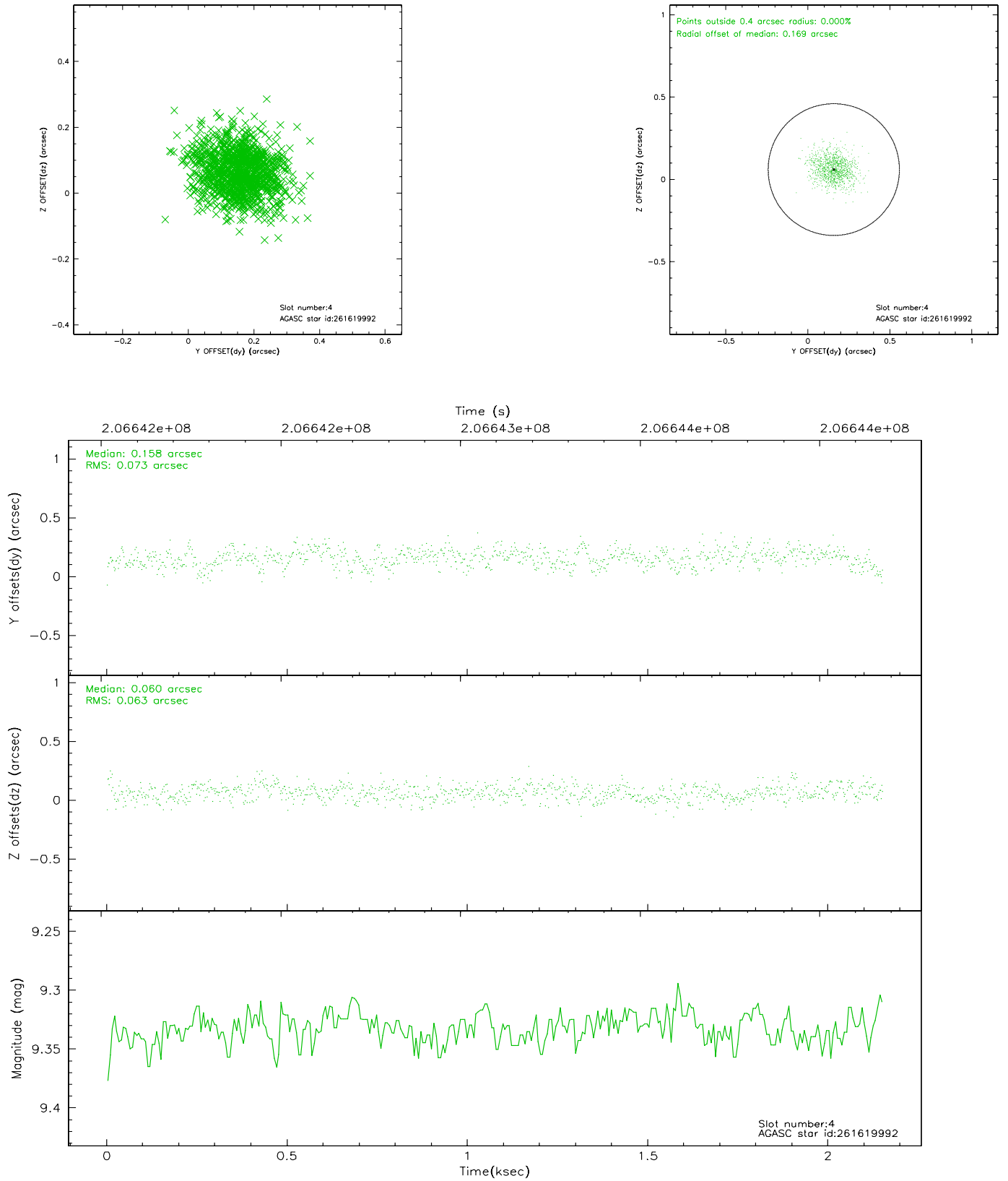
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	7.00	525	0.070	-0.032	0.007	0.012	0.000000	0.000000	849.55	-1296.82
1	FID	HRC-I-3	7.04	525	-0.051	-0.000	0.007	0.011	0.000000	0.000000	-1190.03	1006.91
2	FID	HRC-I-4	6.99	525	0.099	-0.056	0.006	0.010	0.000000	0.000000	1277.51	1008.81
3	GUIDE	261619776	8.80	1050	-0.053	-0.106	0.081	0.131	198.654383	29.401174	-658.55	-1539.24
4	GUIDE	261619992	9.33	1050	0.158	0.060	0.100	0.165	198.395553	28.647634	2169.35	-1693.36
5	GUIDE	261623040	9.12	1050	-0.136	0.026	0.070	0.120	198.792686	29.757643	-2006.10	-1424.88
6	GUIDE	261623624	9.12	1048	0.133	0.055	0.075	0.127	199.611555	28.454113	1923.06	2207.09
7	GUIDE	261629720	8.10	1049	-0.093	-0.039	0.058	0.098	199.236176	29.044452	152.97	544.58

2.4 Star Slots

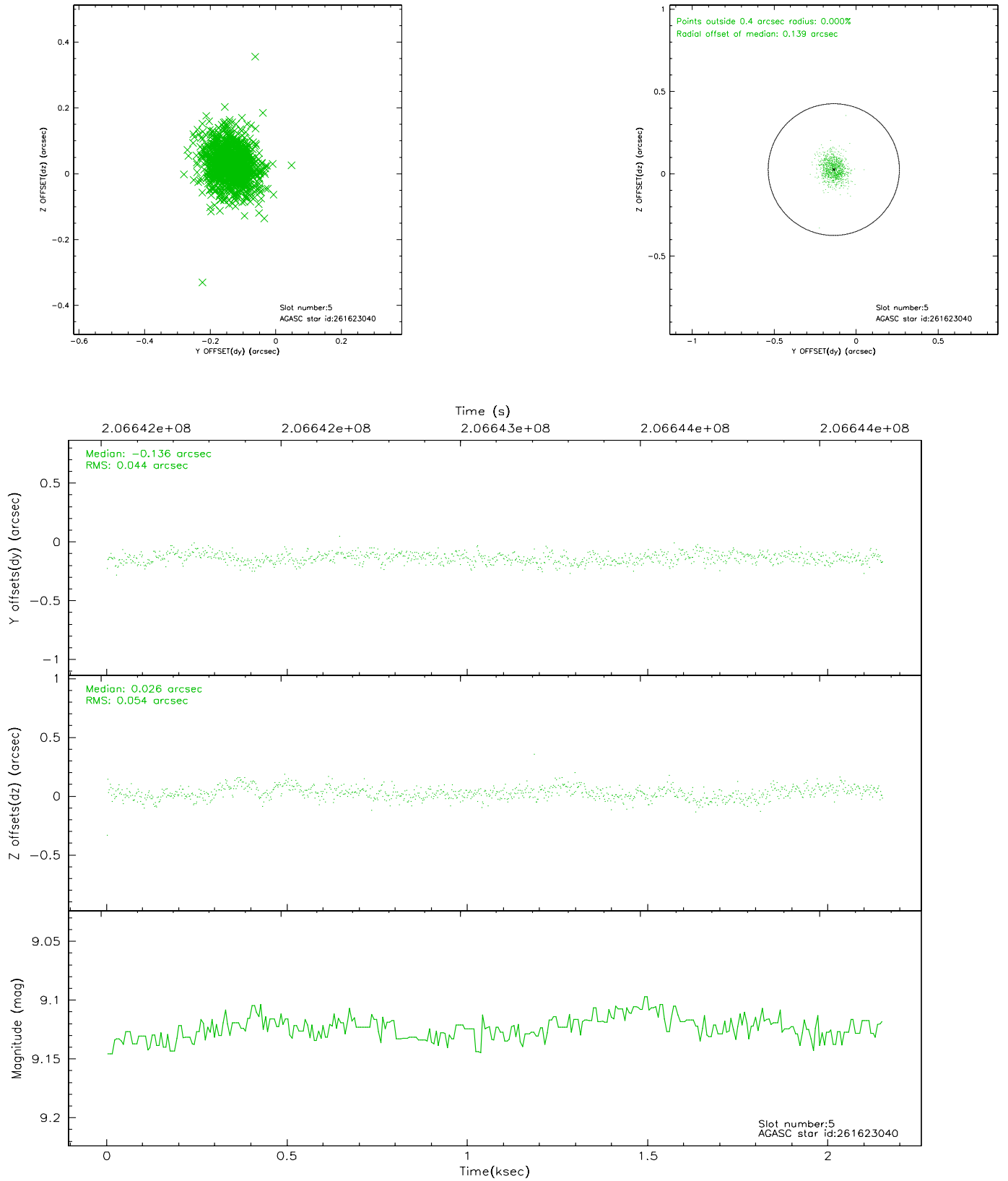
2.4.1 Slot 3



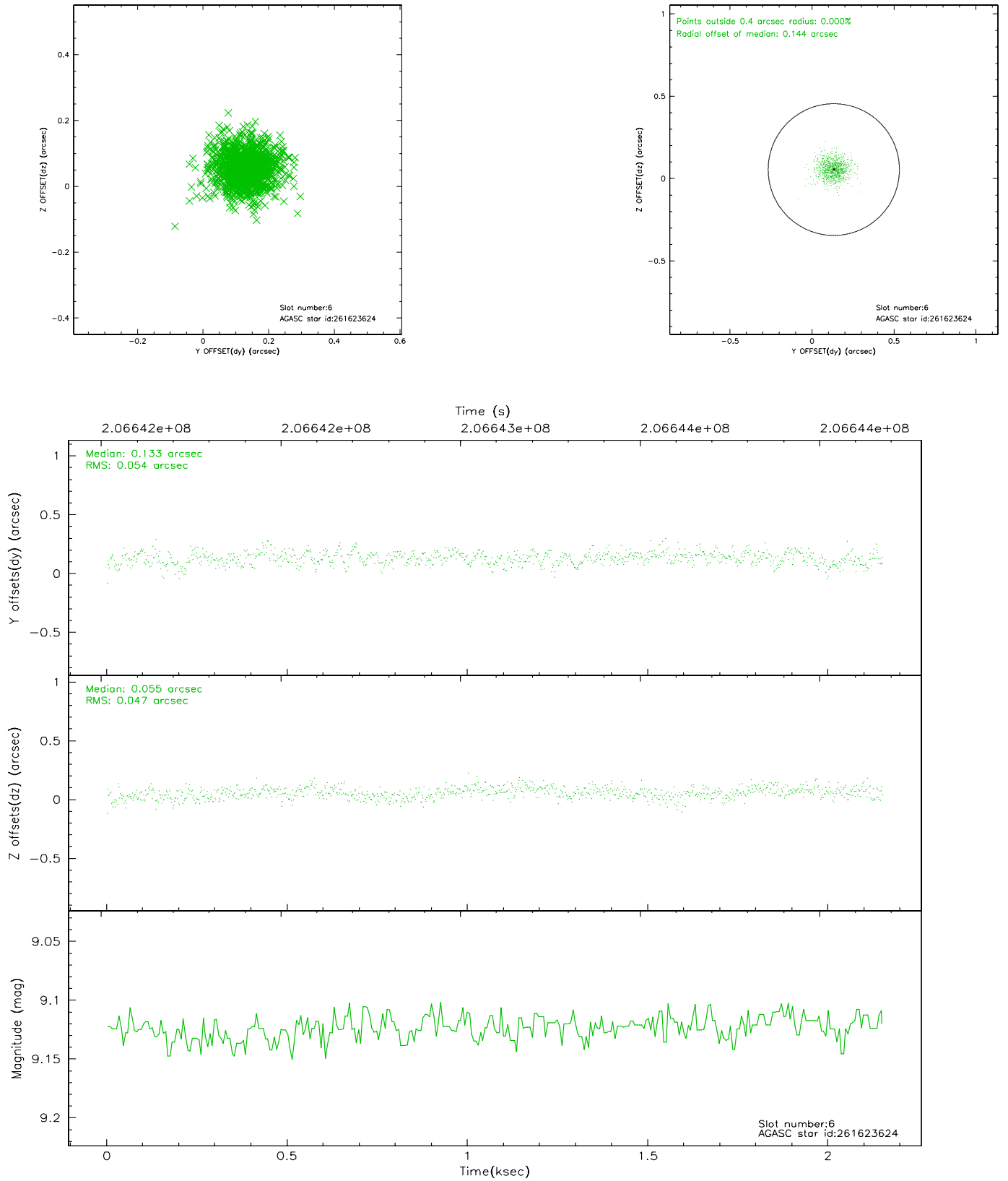
2.4.2 Slot 4



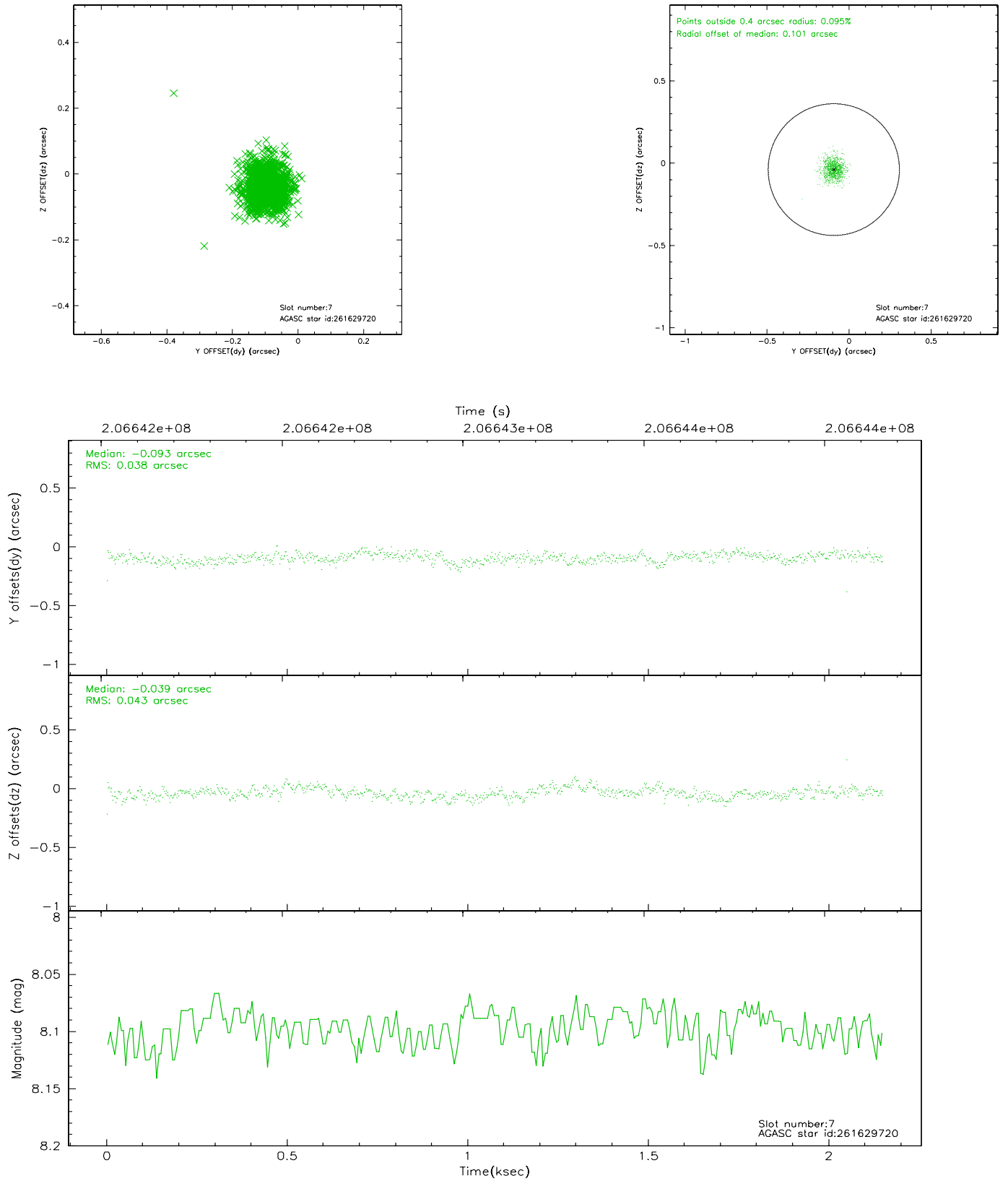
2.4.3 Slot 5



2.4.4 Slot 6

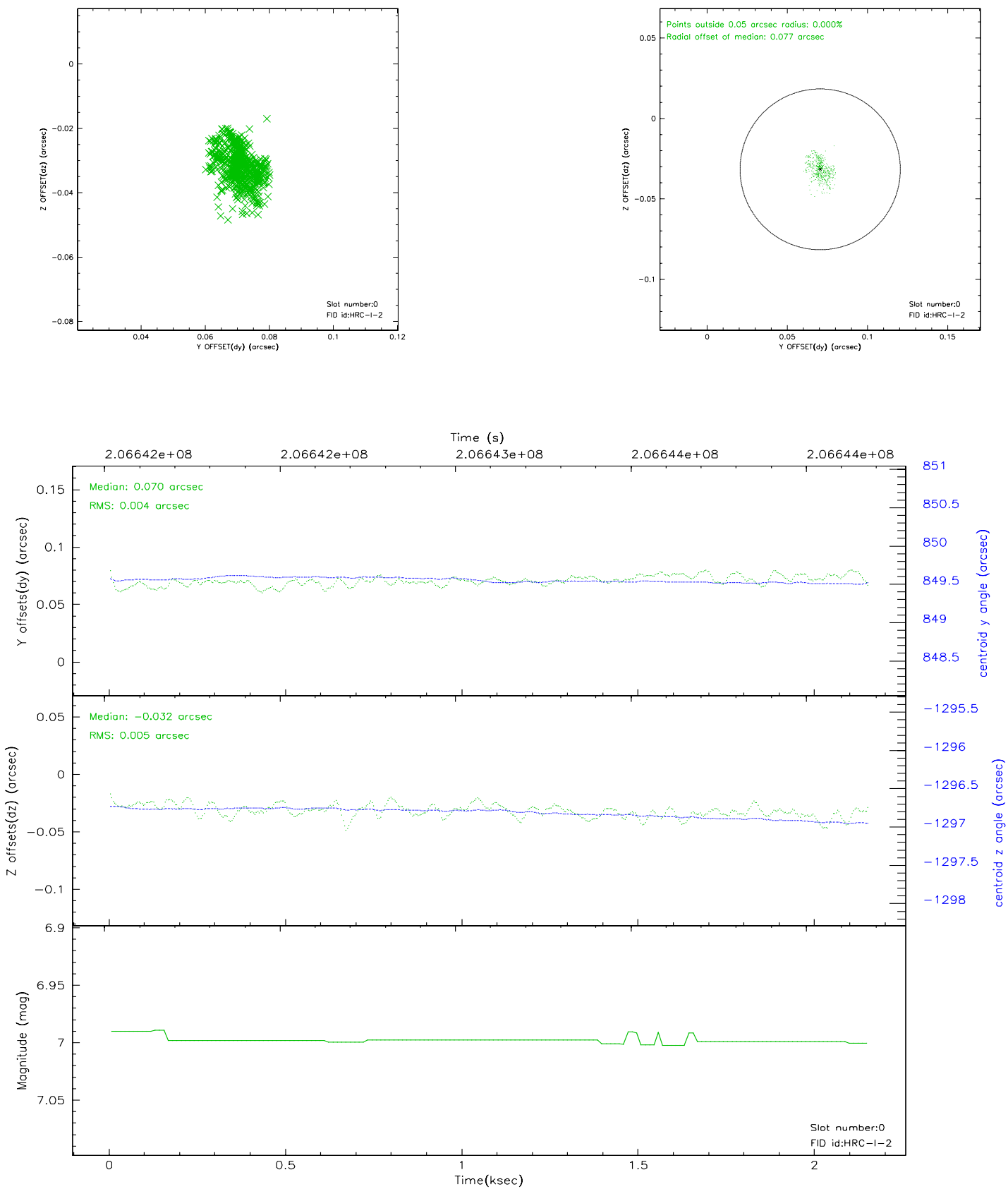


2.4.5 Slot 7

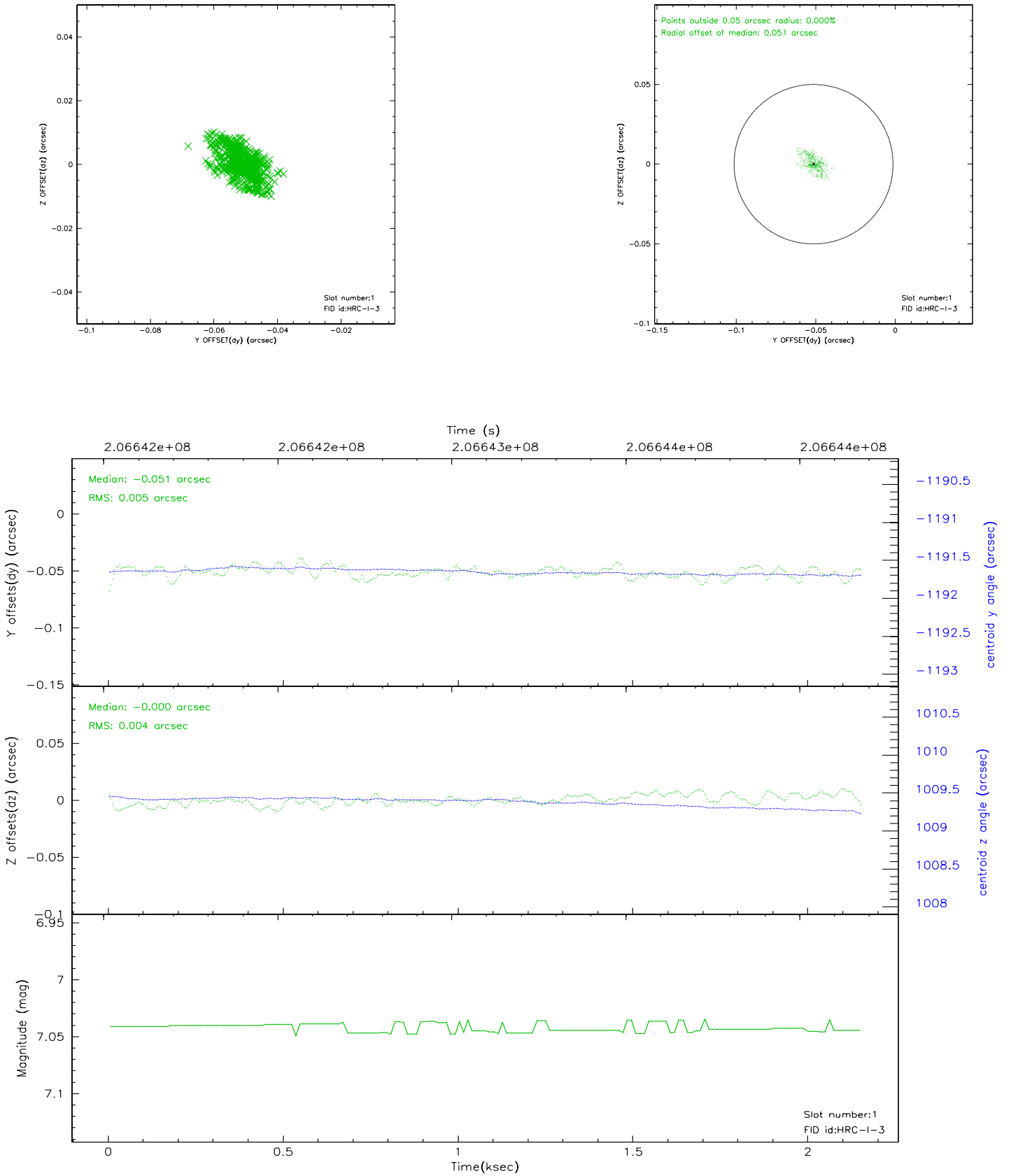


2.5 FID Slots

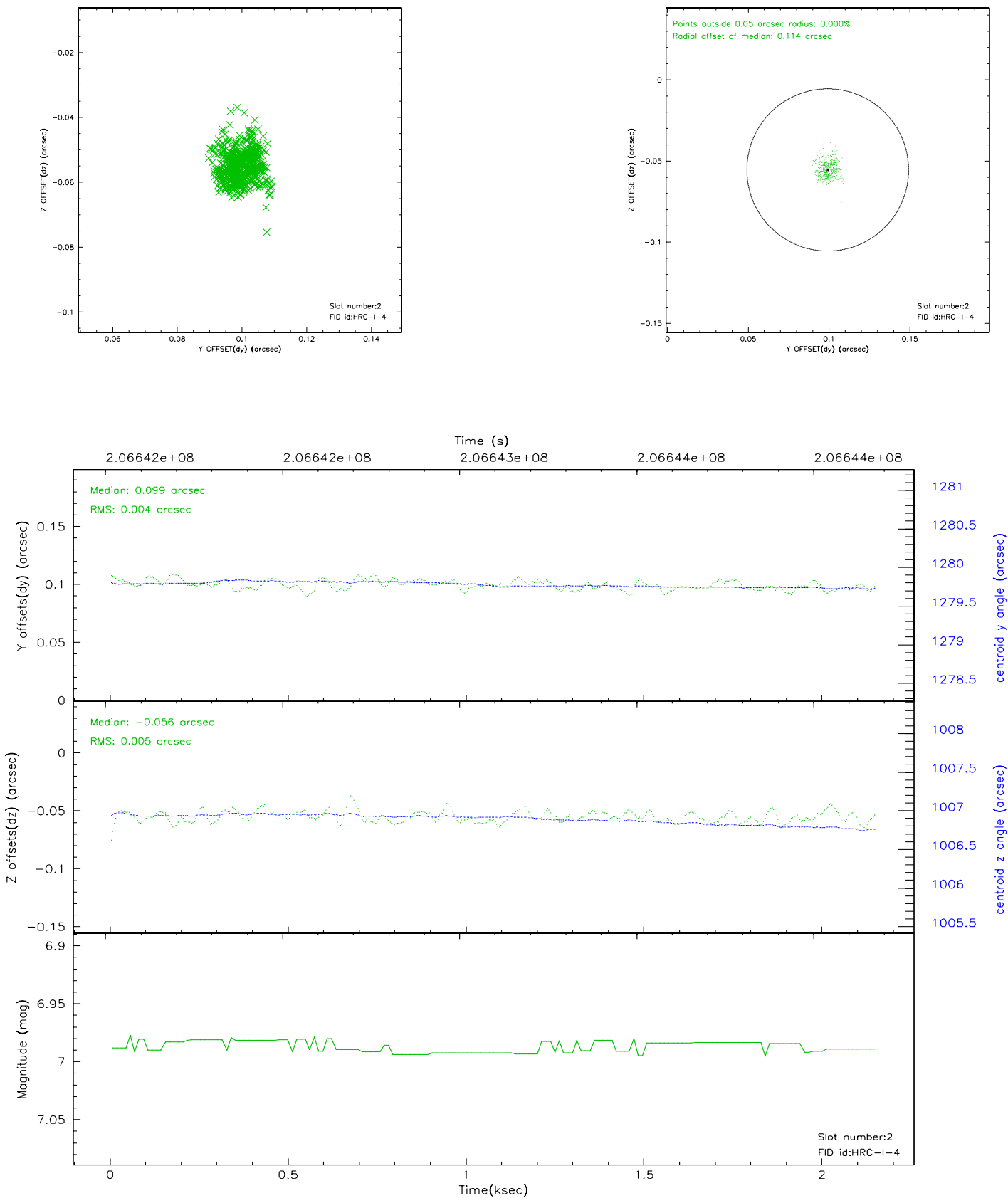
2.5.1 Slot 0



2.5.2 Slot 1

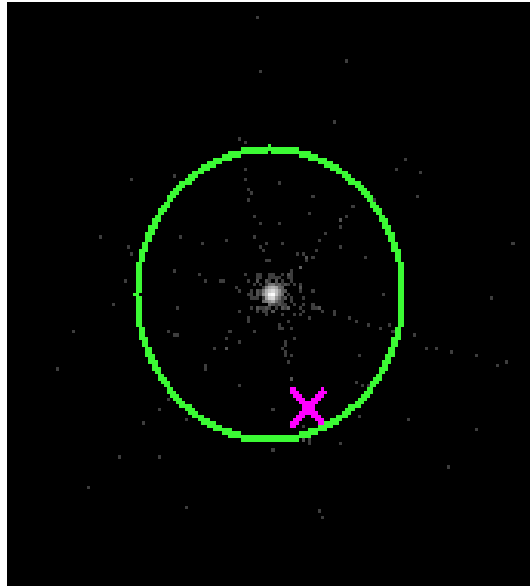


2.5.3 Slot 2

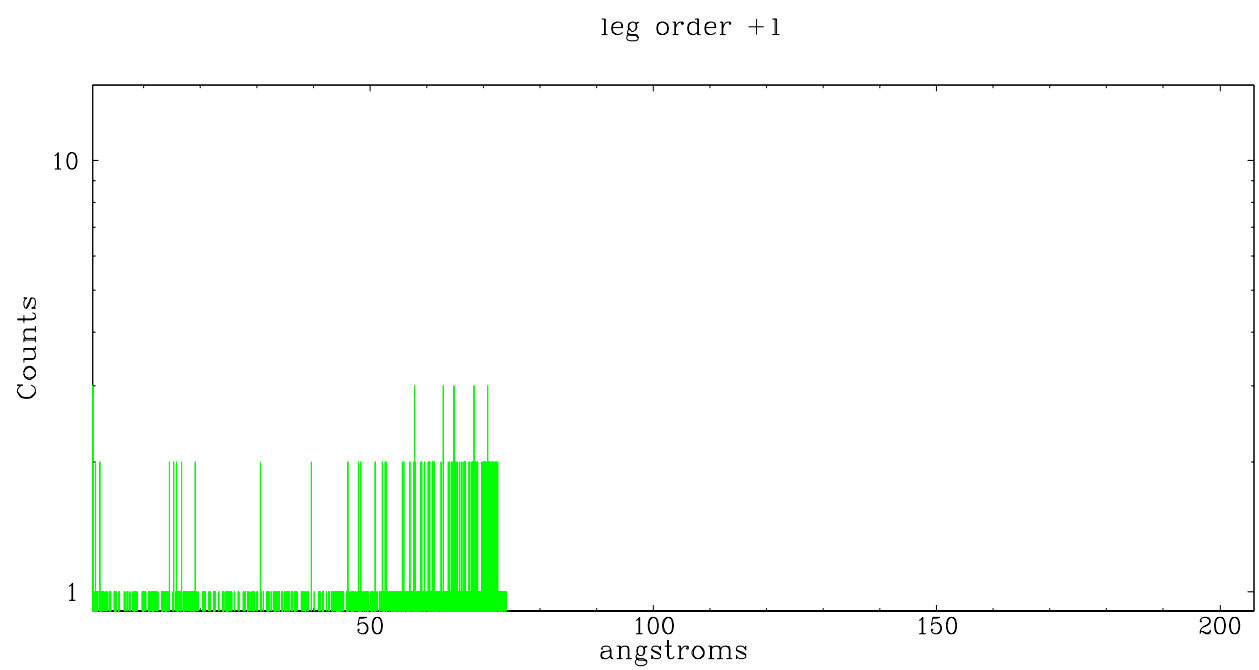
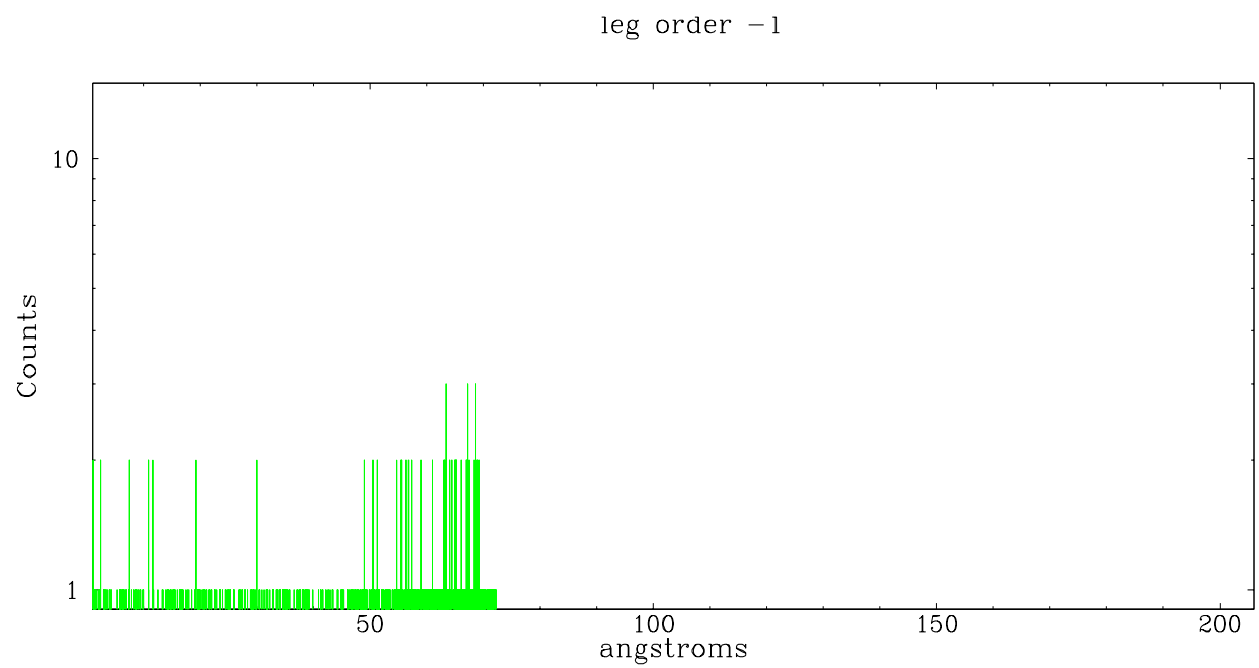


3 Gratings

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	2.147

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.