

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3715 - L2 Version 4
Chandra X-Ray Center

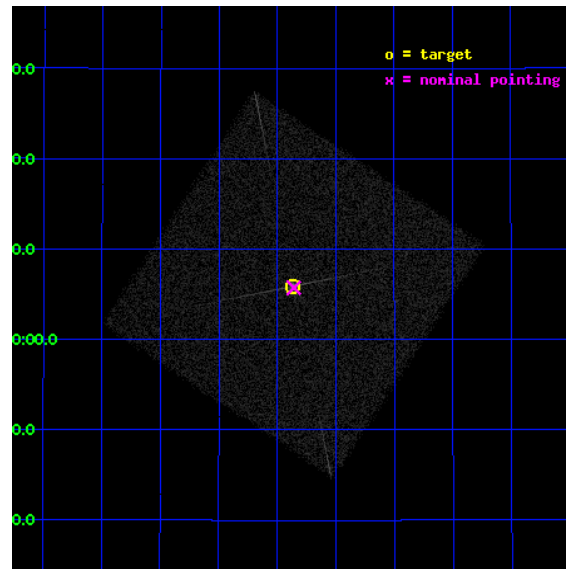
L2 Processing Date : Nov 1 2012

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1 Front

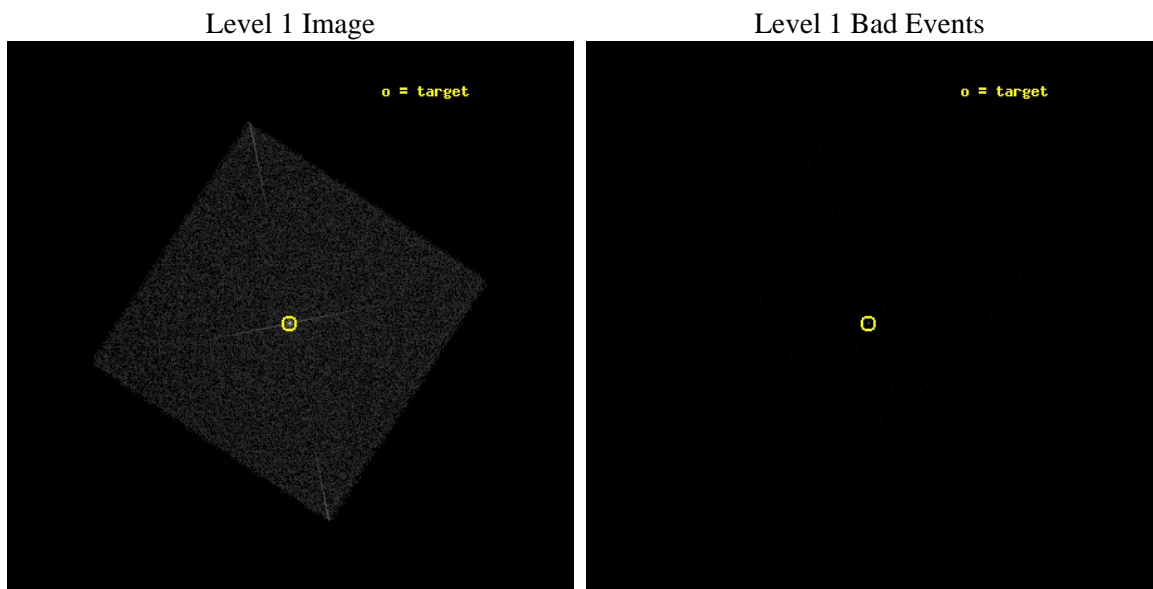
seq_num	290248	Sequence number
obs_id	3715	Observation id
title	AO4 CALIBRATION OBSERVATIONS TO MONITOR THE HRC LOW ENERGY QE	Prop
observer	Dr. CXC Calibration	Principal investigator
object	HZ43	Source name
ra_targ	199.092083	Observer's specified target RA [deg]
dec_targ	29.099	Observer's specified target Dec [deg]
ra_nom	199.08951389676	Nominal RA [deg]
dec_nom	29.095559199216	Nominal Dec [deg]
roll_nom	258.40244631304	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1894.3282091916	[s]
livetime	1883.9790685198	Ontime multiplied by DTCOR
l2events	58811	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1895.481330812	[s]
caldbver	4.5.2	 	l1events	96847	Number of level 1 events
date	2012-11-01T09:06:35	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

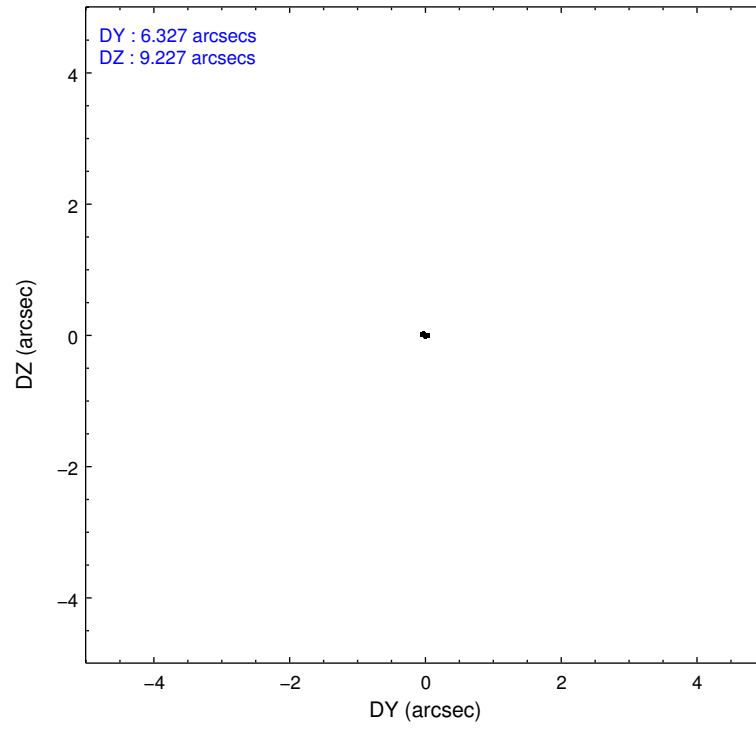
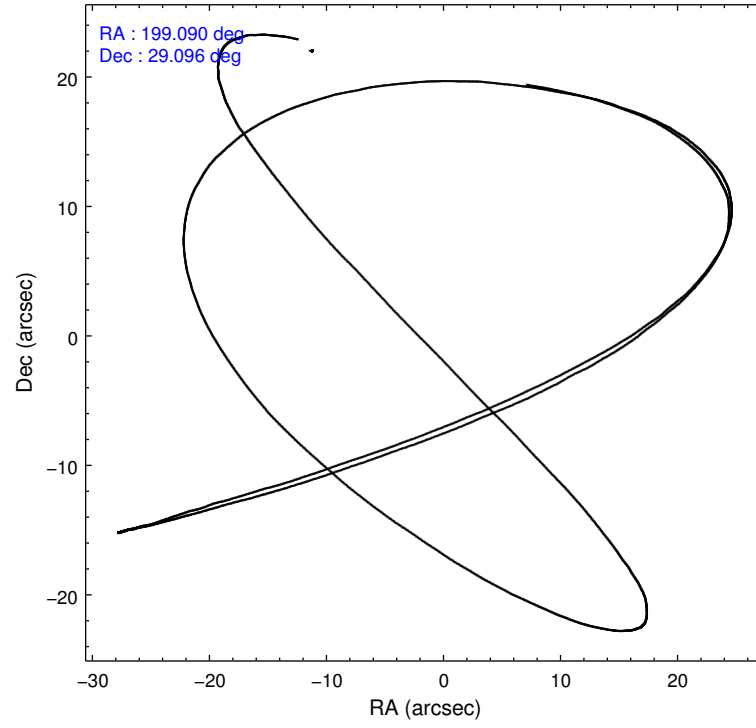
	segment 0
level 1 events	96847
rejected events	13243
rejected %	13%

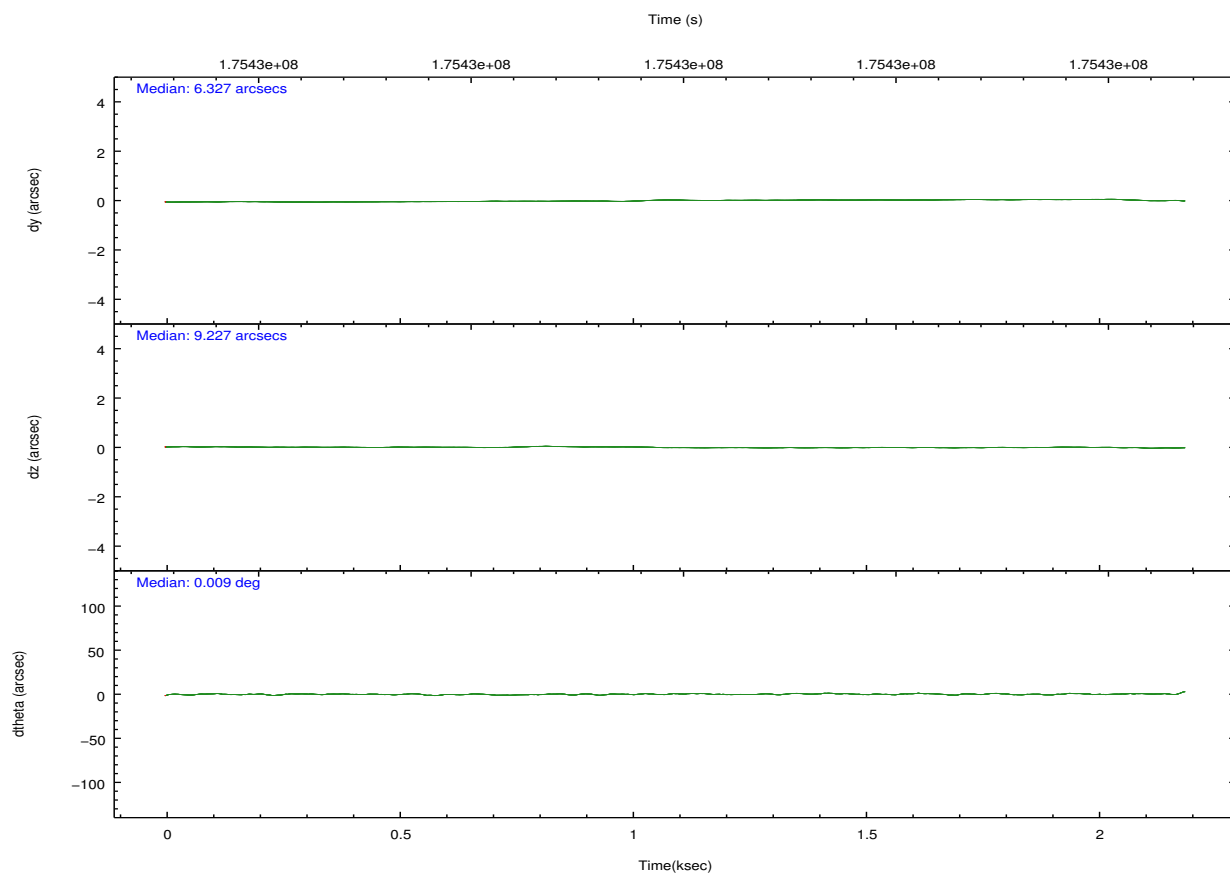
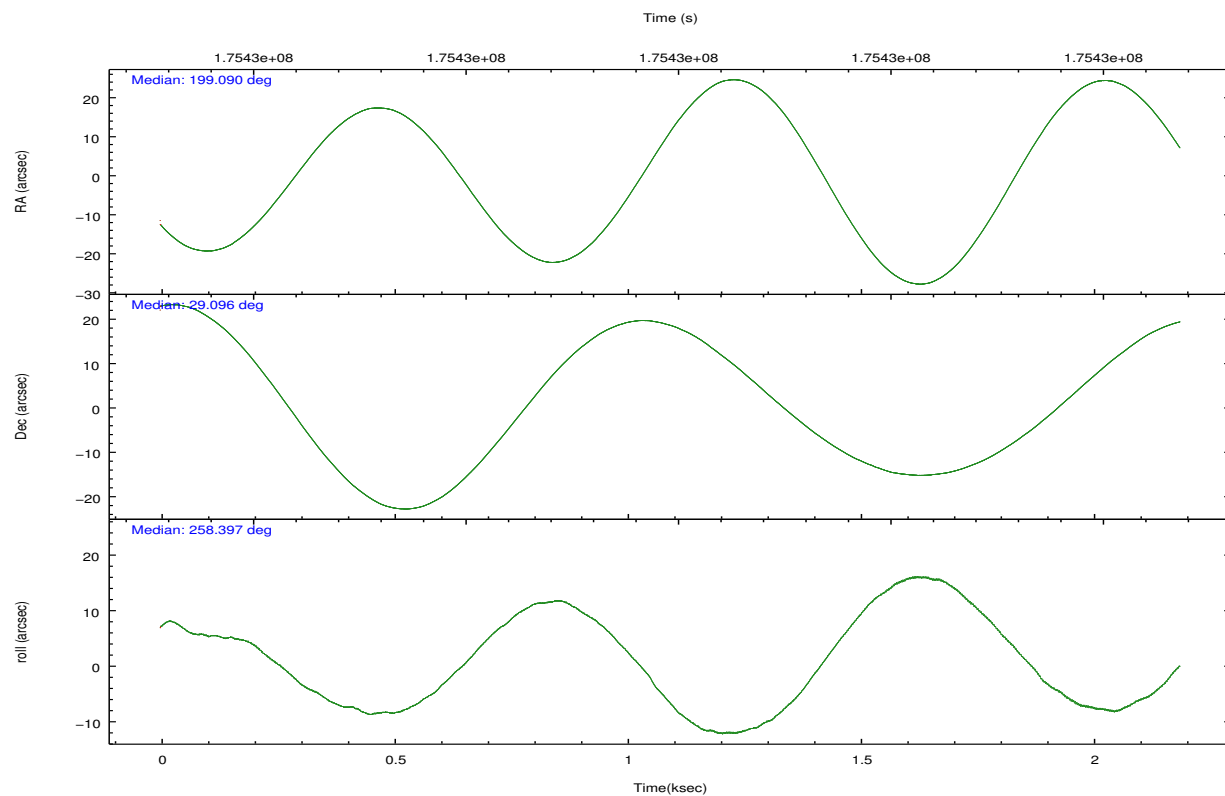
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	LETG	LETG
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	199.078922	199.0895138967619
[deg] Pointing Dec	29.121069	29.09555919921604
[deg] Pointing Roll	258.503111	258.4024463130352
[s] Window start time (MET)	173404864.184000	173404864.184000
[s] Window stop time (MET)	175910464.184000	175910464.184000
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9854943052878
[mm] SIM translation stage offset	0	-5.413686238853188e-06
[s] Observation start time (MET)	175425575.184000	175425163.41293
Observation start date	2003-07-24T09:18:31	2003-07-24T09:12:43
[s] Observation end time (MET)	175427575.184000	175428510.03808
Observation end date	2003-07-24T09:51:51	2003-07-24T10:08:30

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



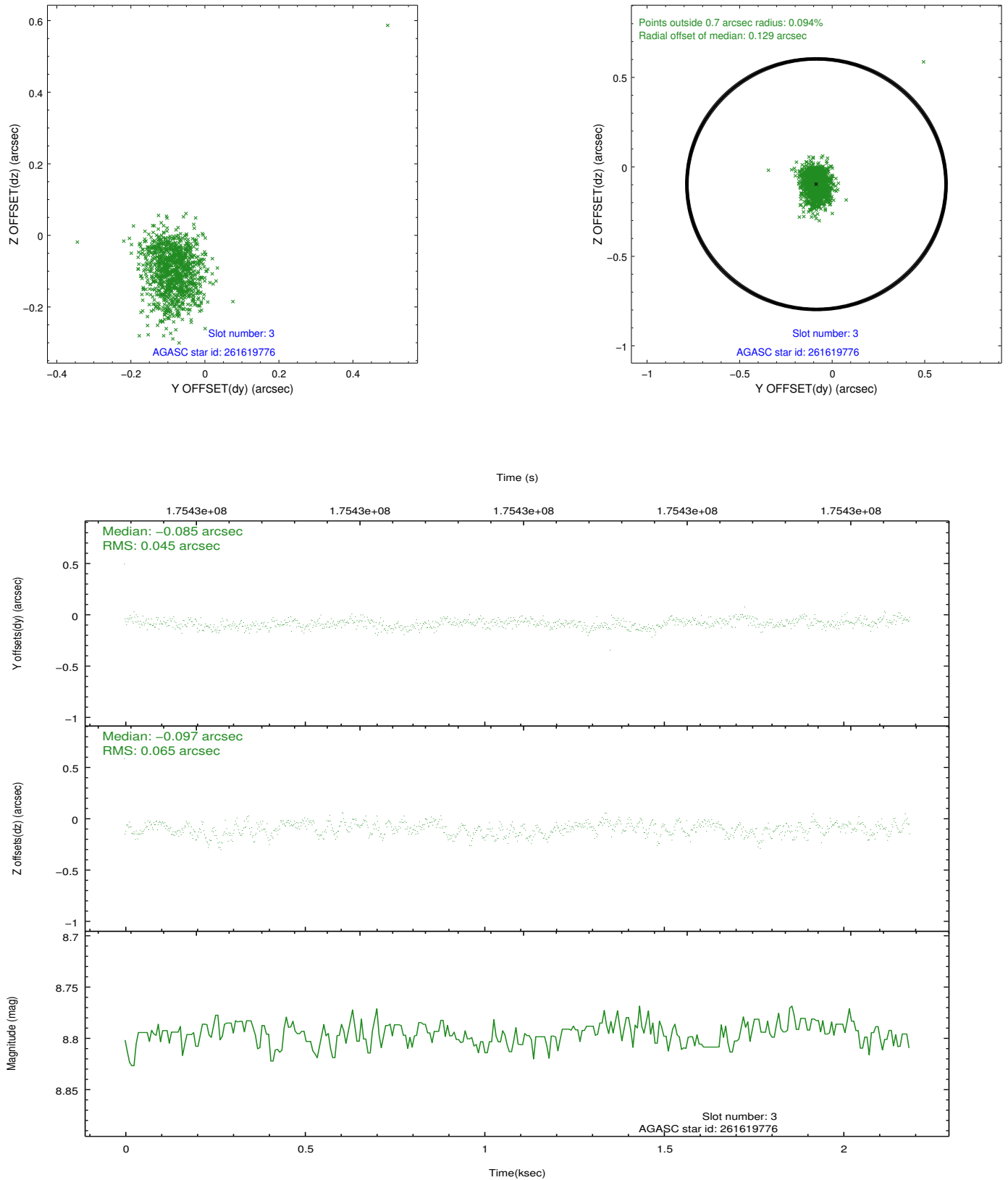


Slot Statistics

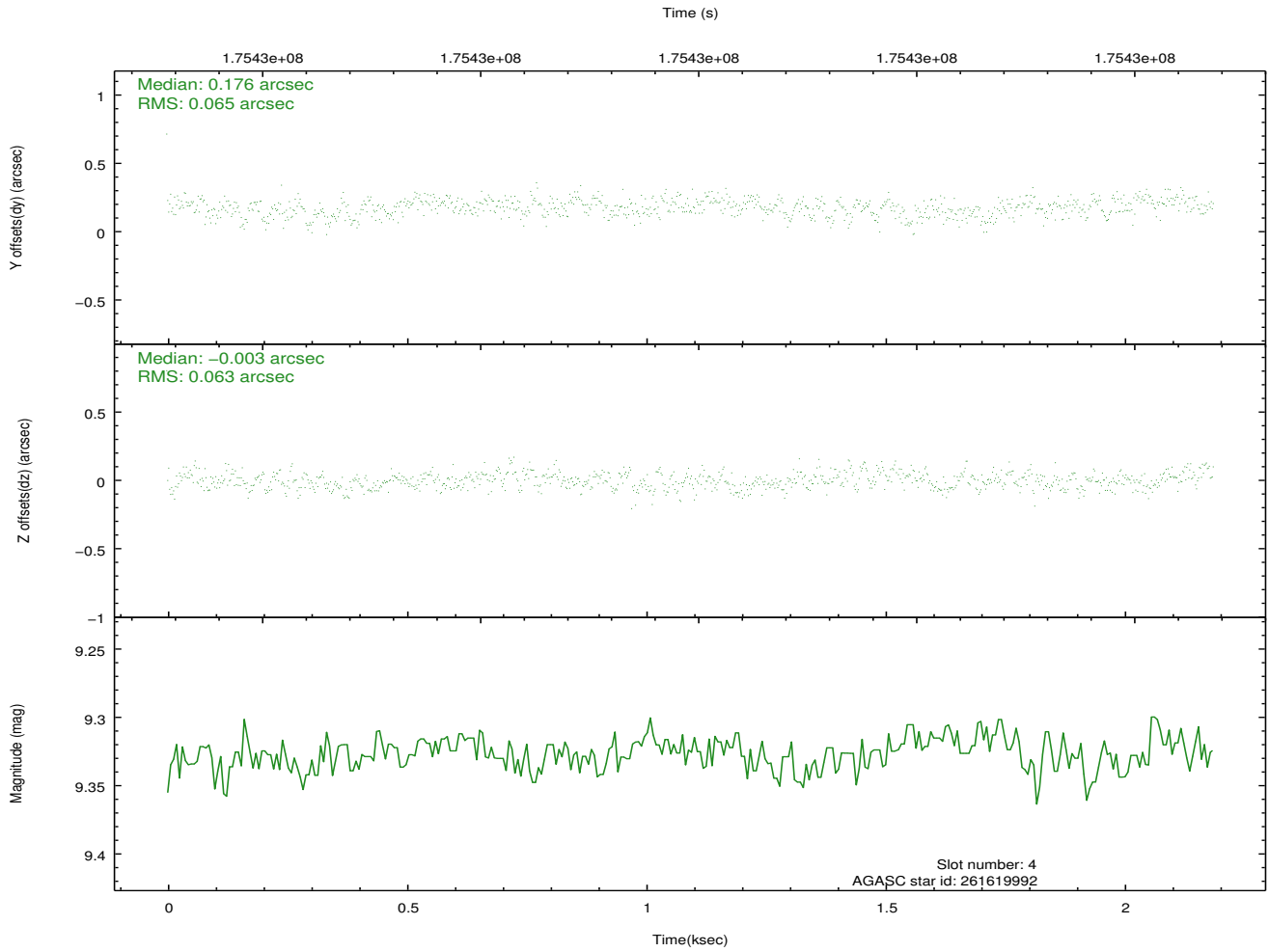
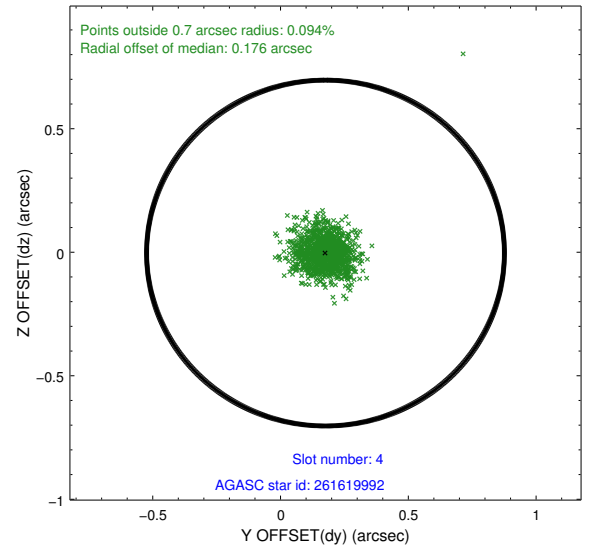
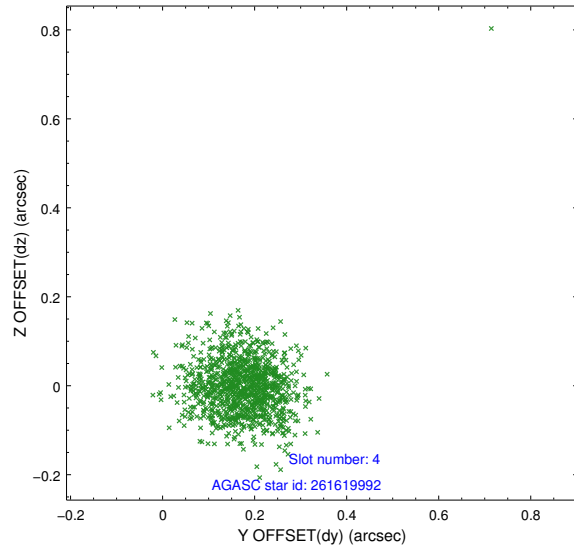
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	534	0.022	0.051	0.007	0.011	0.000000	0.000000	-761.88	-1297.13
1	FID	HRC-I-2	7.00	534	0.080	-0.073	0.006	0.010	0.000000	0.000000	849.39	-1301.27
2	FID	HRC-I-3	7.05	534	0.017	-0.067	0.006	0.011	0.000000	0.000000	-1188.75	1004.88
3	GUIDE	261619776	8.80	1068	-0.085	-0.097	0.078	0.128	198.654383	29.401174	-724.48	-1506.51
4	GUIDE	261619992	9.33	1067	0.176	-0.003	0.092	0.149	198.395553	28.647634	2094.59	-1778.81
5	GUIDE	261623040	9.12	1068	-0.179	-0.008	0.076	0.124	198.792686	29.757643	-2066.08	-1335.82
6	GUIDE	261623624	9.13	1068	0.158	0.134	0.078	0.123	199.611555	28.454113	2011.73	2128.69
7	GUIDE	261629720	8.10	1067	-0.068	-0.024	0.056	0.093	199.236176	29.044452	173.56	541.59

2.4 Star Slots

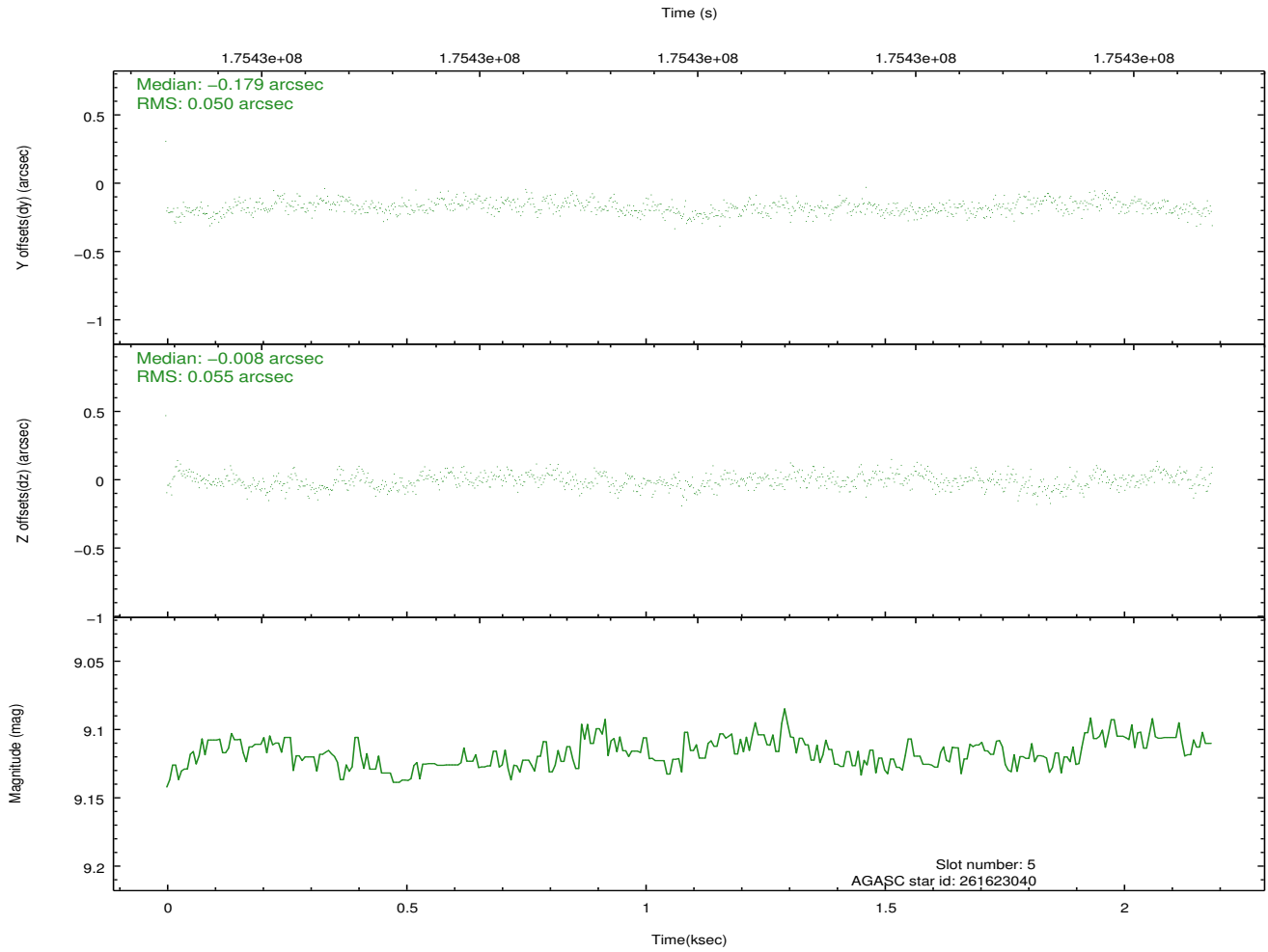
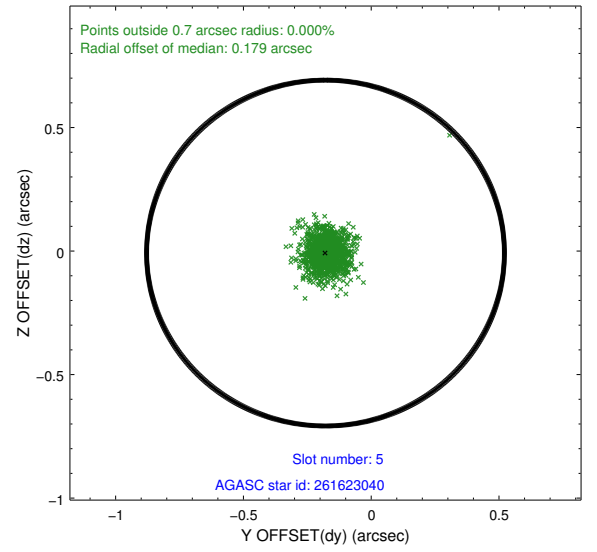
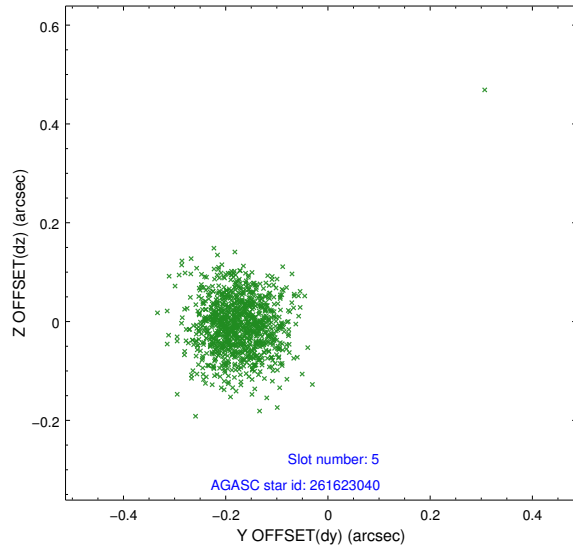
2.4.1 Slot 3



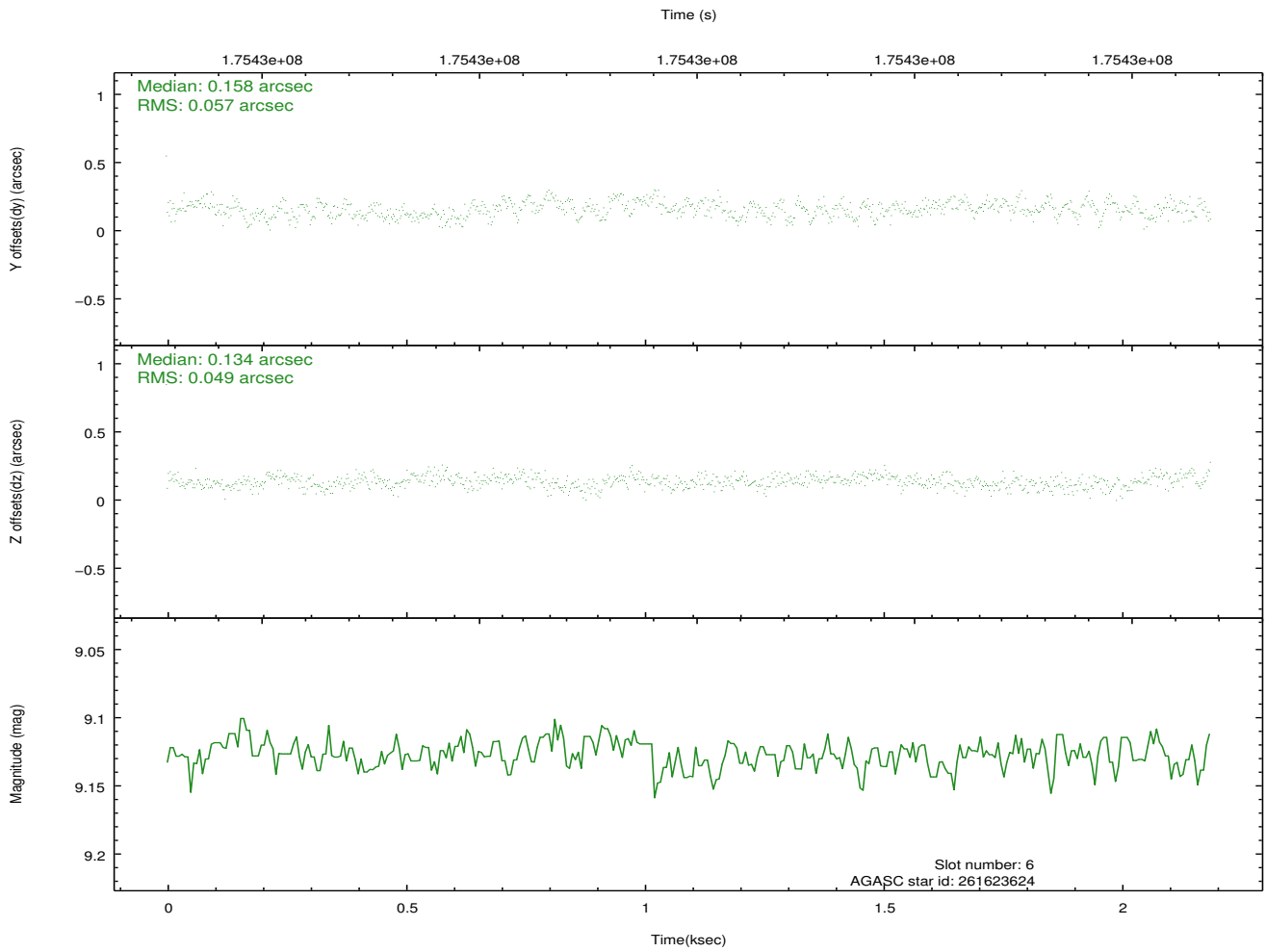
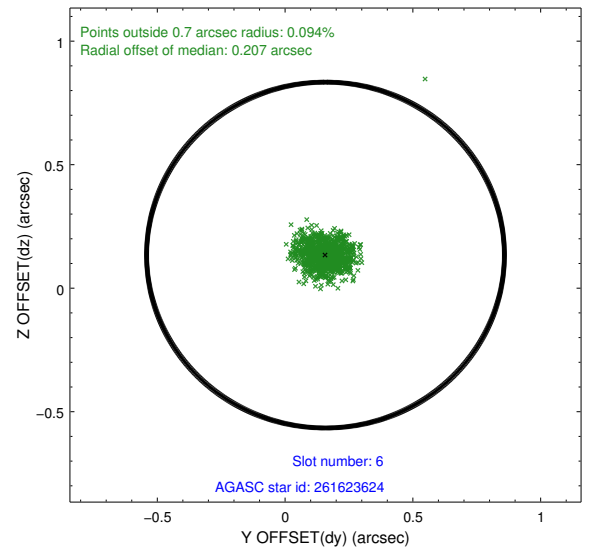
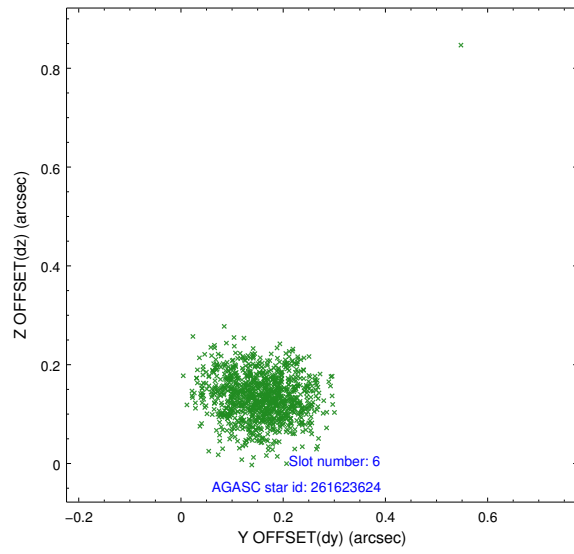
2.4.2 Slot 4



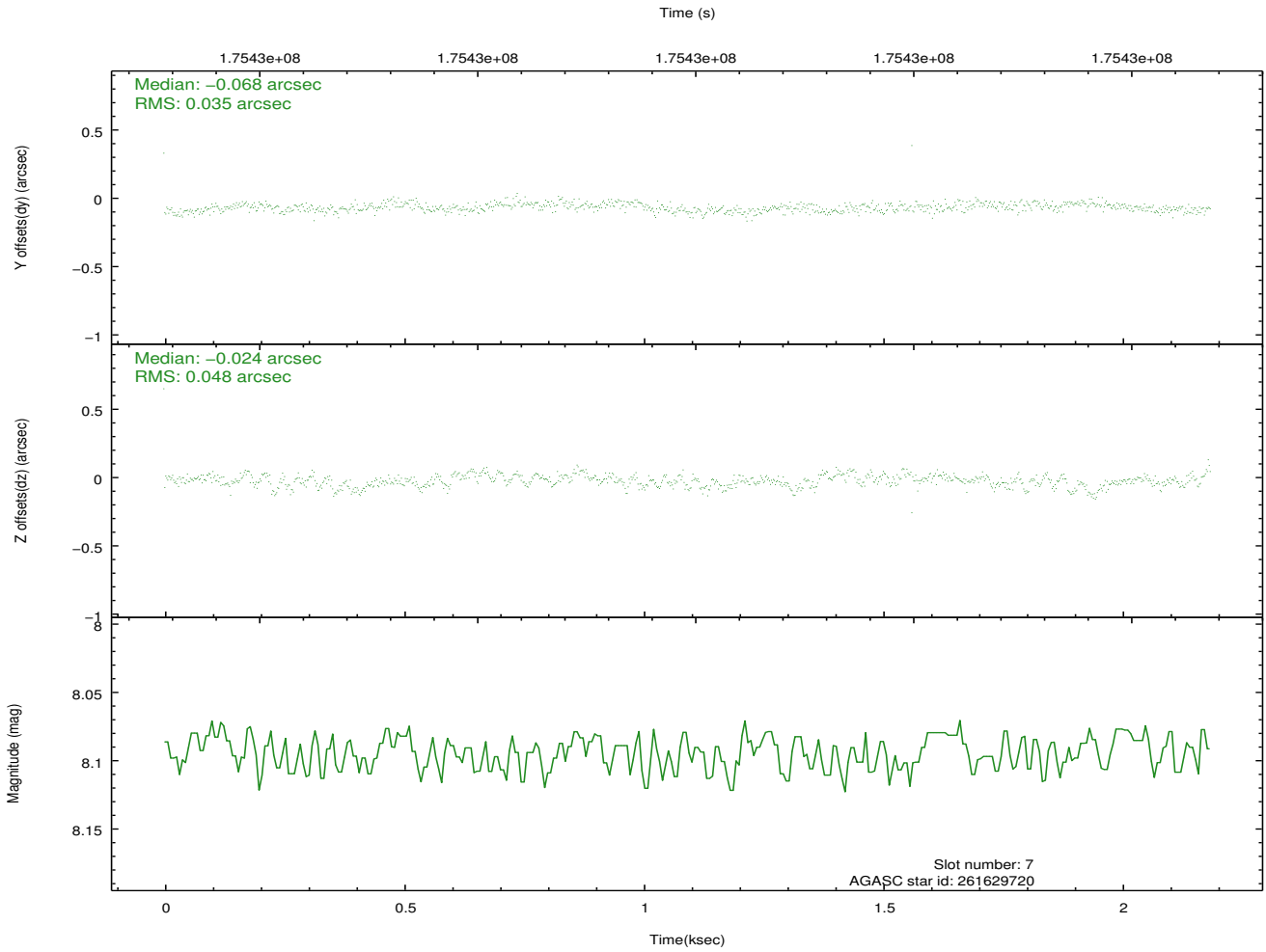
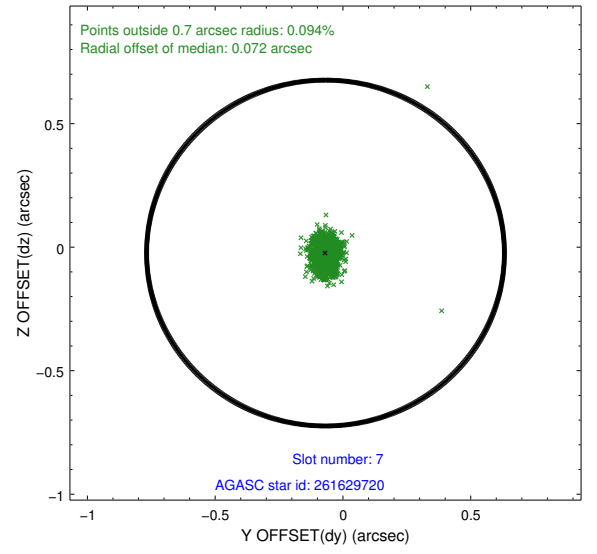
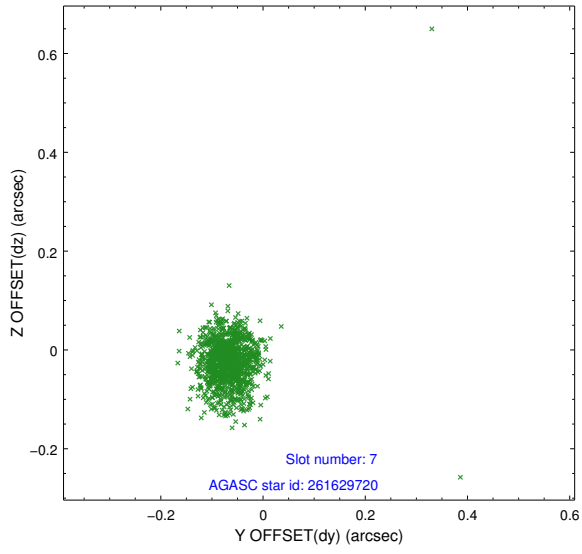
2.4.3 Slot 5



2.4.4 Slot 6

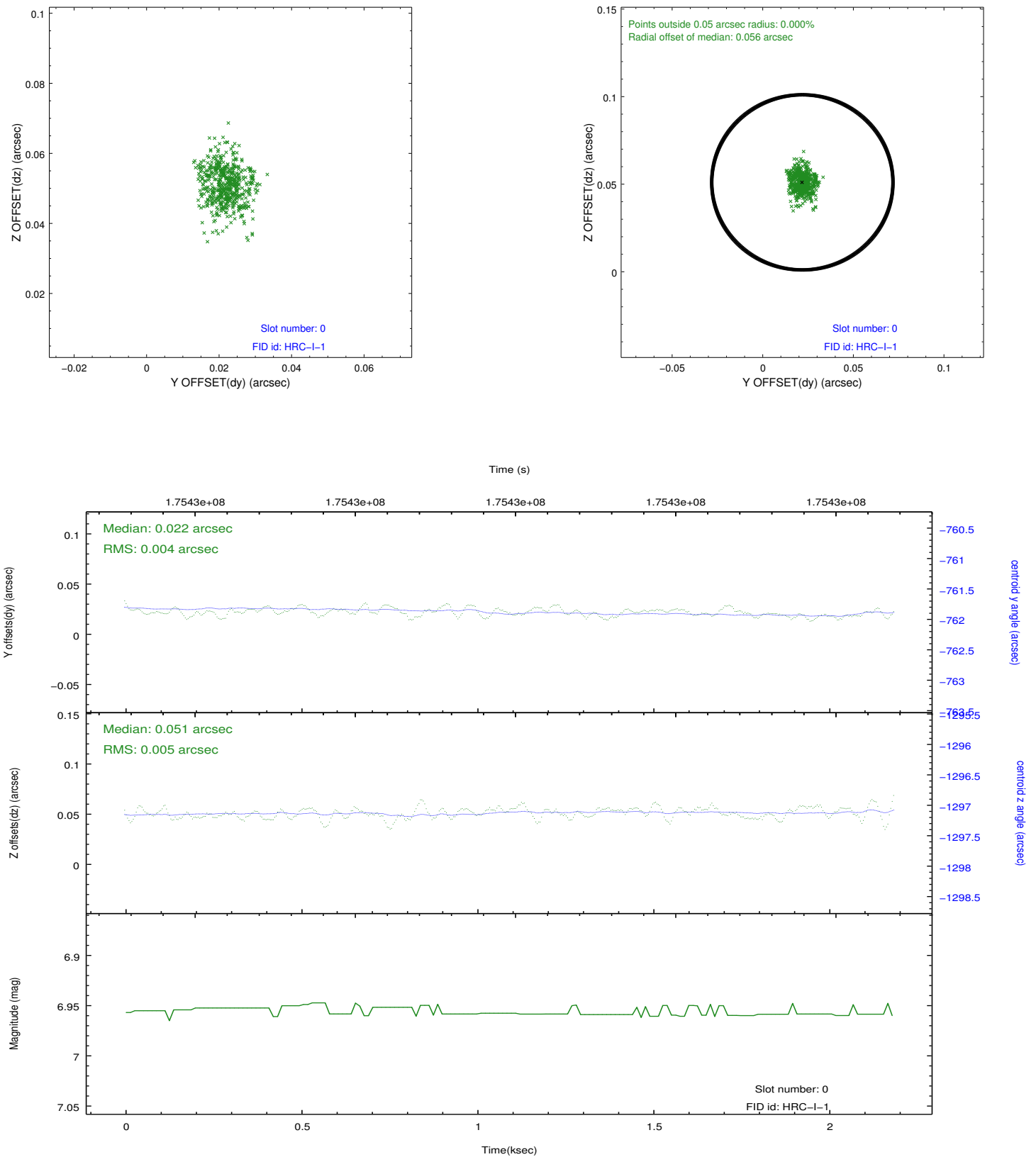


2.4.5 Slot 7

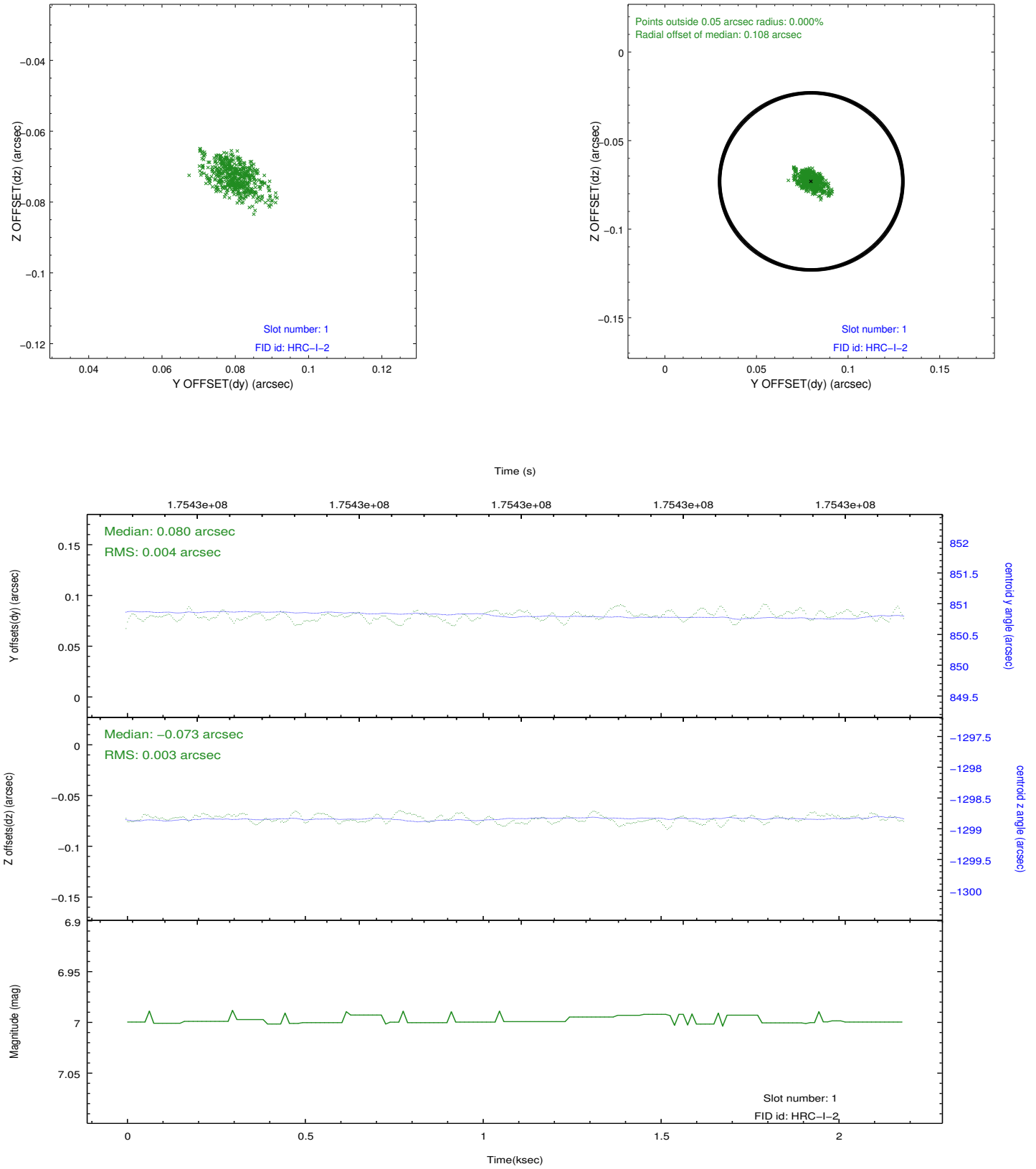


2.5 FID Slots

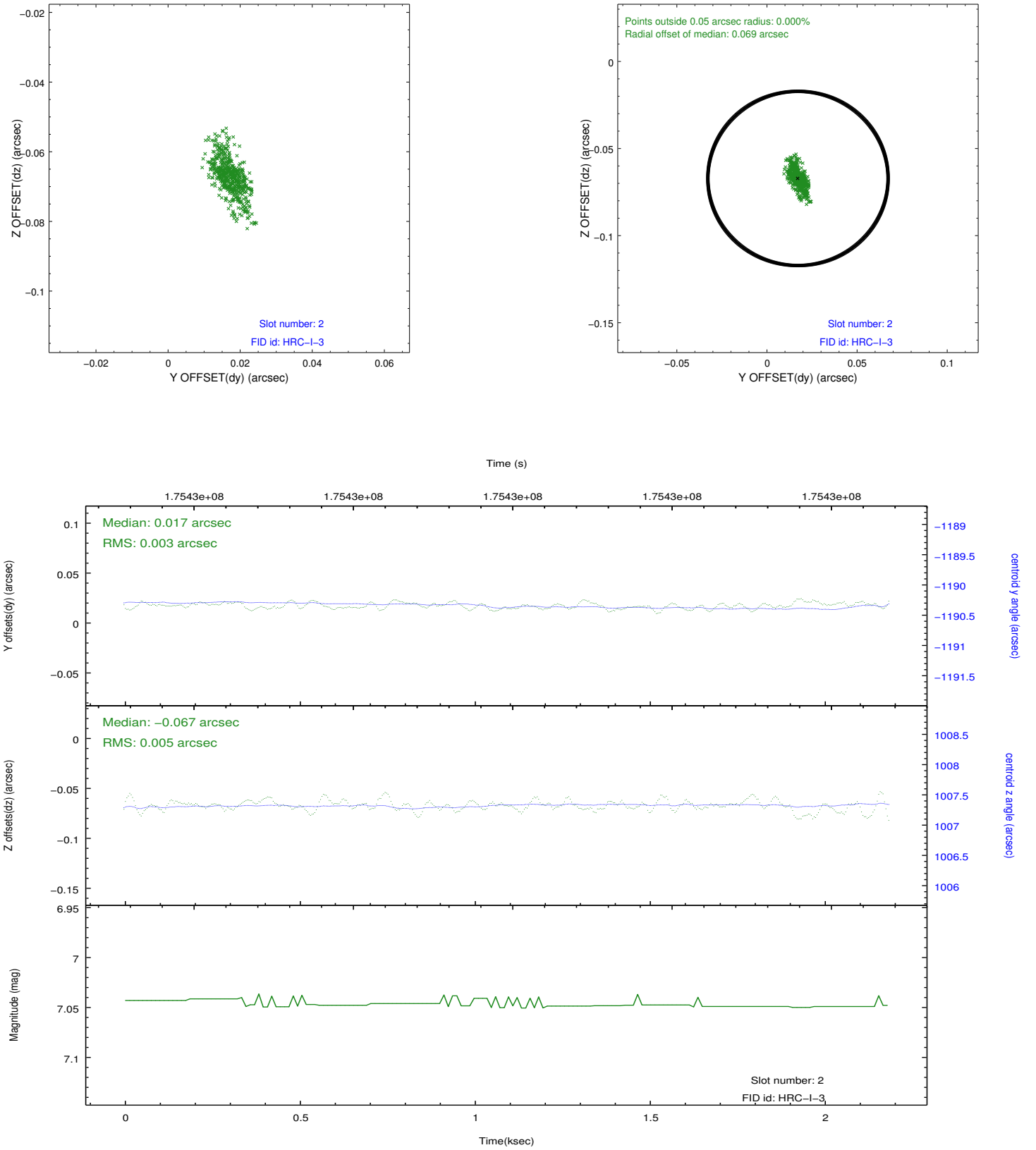
2.5.1 Slot 0



2.5.2 Slot 1

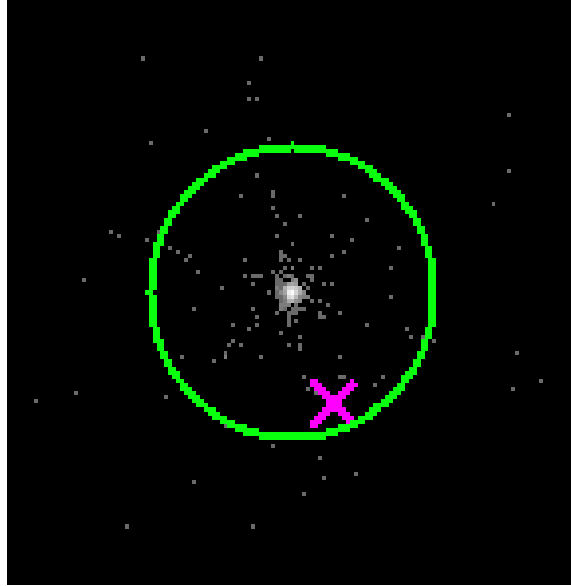


2.5.3 Slot 2

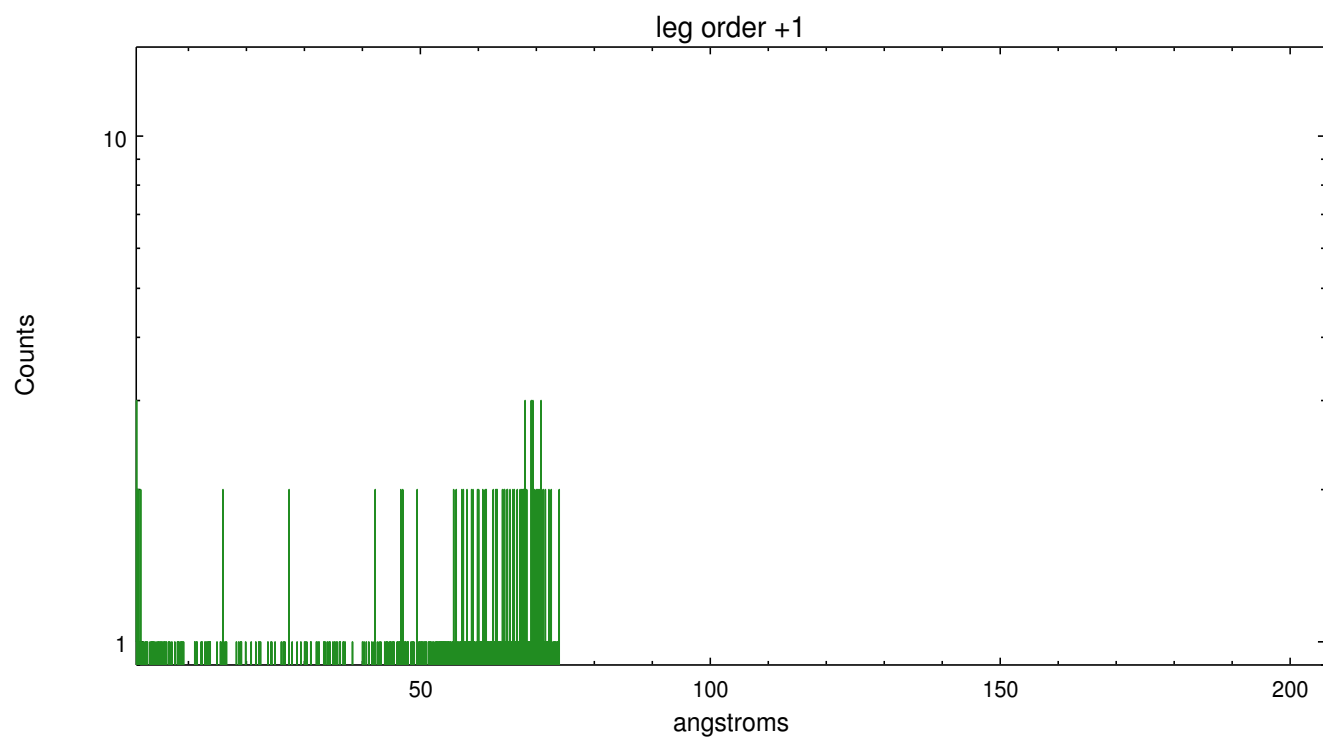
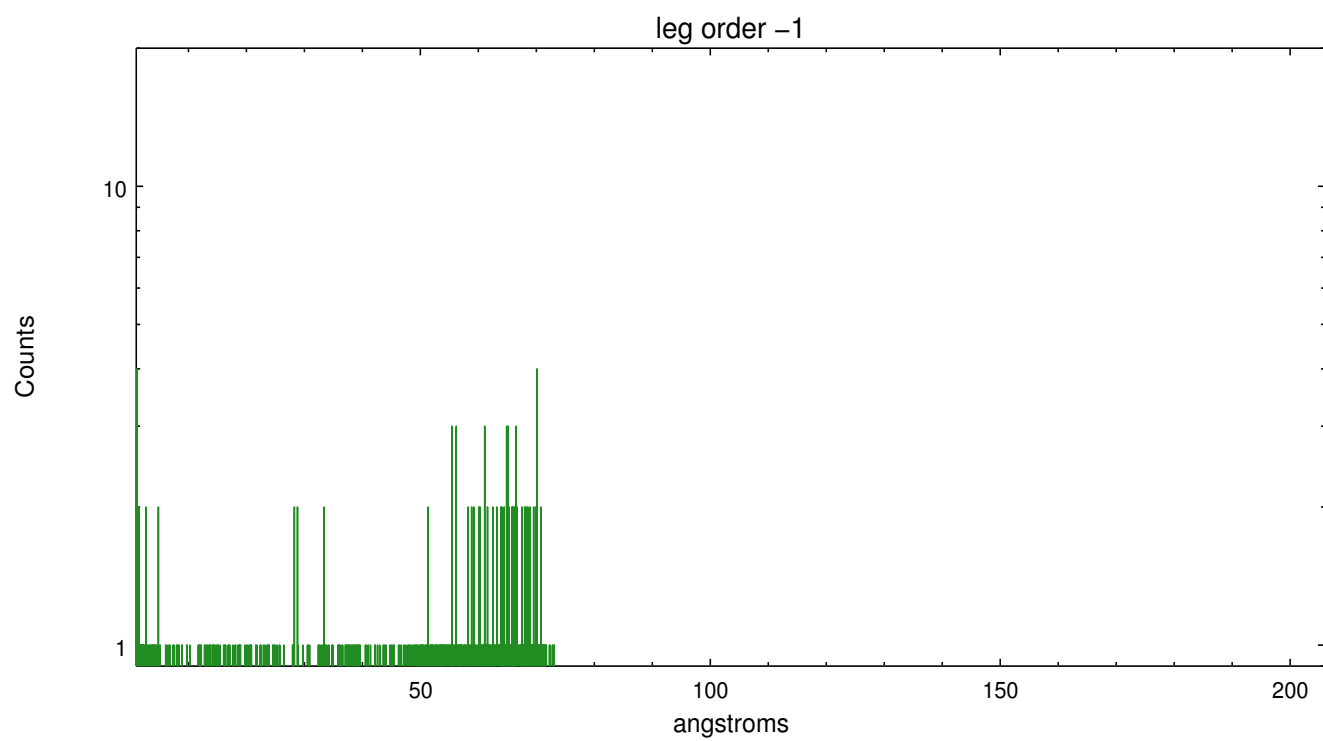


3 Gratings

3.1 LETG Arm



LETG Zero Order



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.12.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.894

A.2 Comments