

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3714 - L2 Version 4
Chandra X-Ray Center

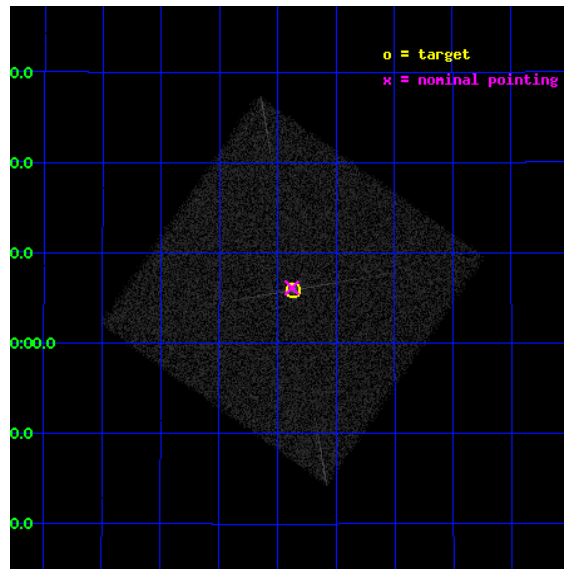
L2 Processing Date : Oct 21 2012

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1 Front

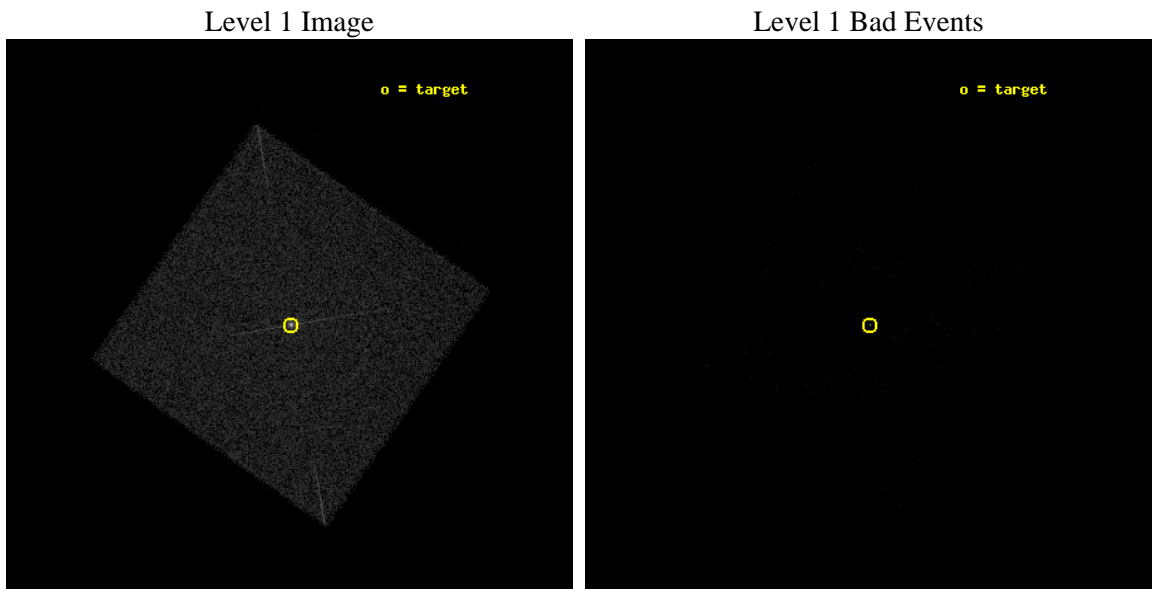
seq_num	290247	Sequence number
obs_id	3714	Observation id
title	AO4 CALIBRATION OBSERVATIONS TO MONITOR THE HRC LOW ENERGY QE	Prop
observer	Dr. CXC Calibration	Principal investigator
object	HZ43	Source name
ra_targ	199.092083	Observer's specified target RA [deg]
dec_targ	29.099	Observer's specified target Dec [deg]
ra_nom	199.09447687774	Nominal RA [deg]
dec_nom	29.102548643802	Nominal Dec [deg]
roll_nom	80.080146840836	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1870.8813284039	[s]
livetime	1859.6683042701	Ontime multiplied by DTCOR
l2events	71805	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	1870.8813284039	[s]
caldbver	4.5.2	 	l1events	104665	Number of level 1 events
date	2012-10-21T04:52:20	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

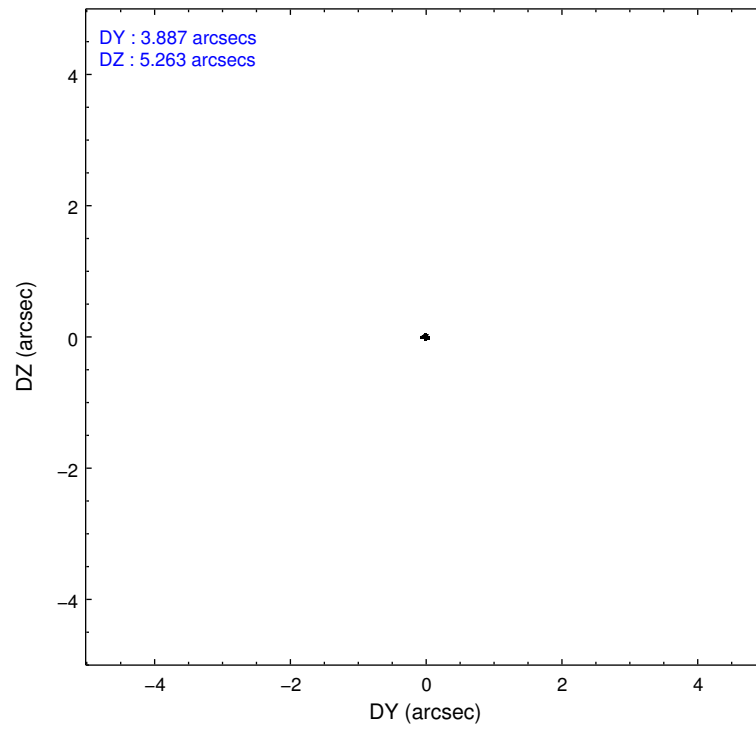
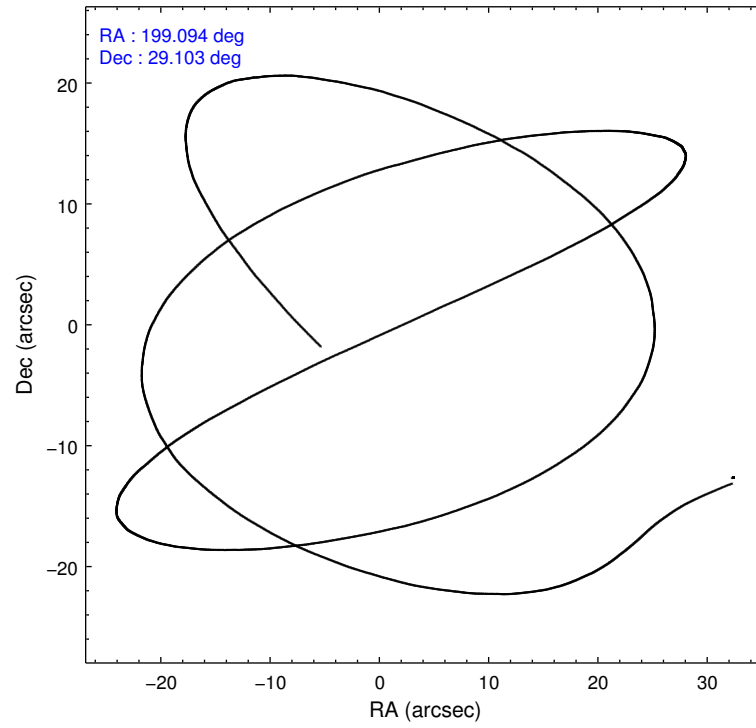
Level 1 Events

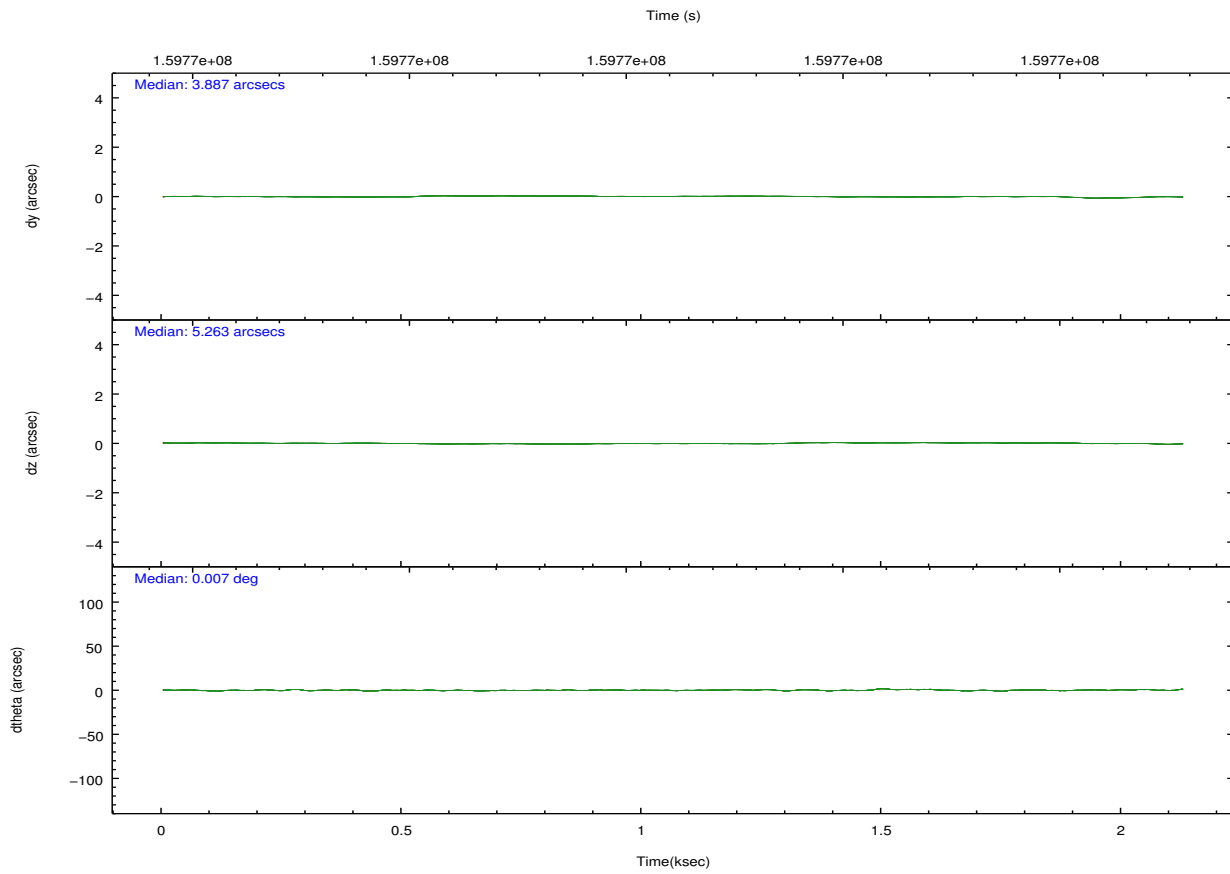
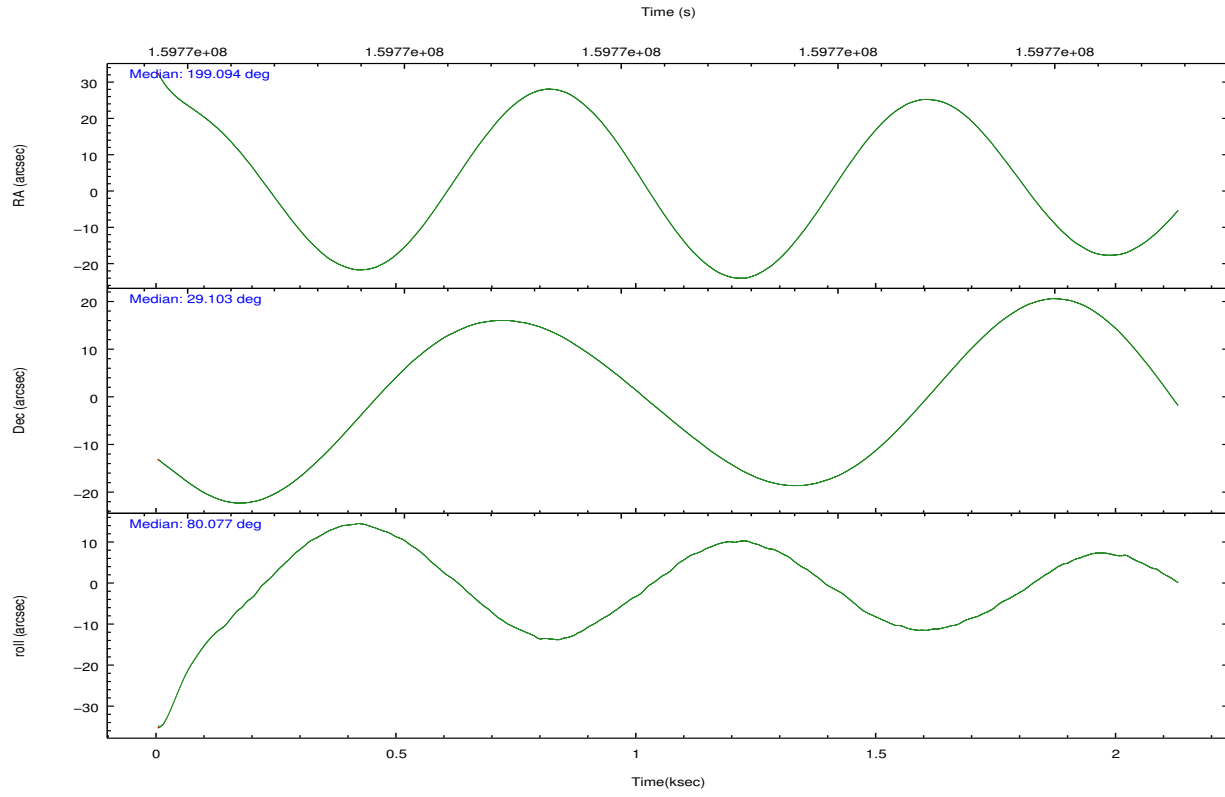
	segment 0
level 1 events	104665
rejected events	6853
rejected %	6%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
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			
[deg] Pointing RA	199.105970	199.0944768777431			
[deg] Pointing Dec	29.077272	29.10254864380209			
[deg] Pointing Roll	80.170112	80.08014684083562			
[s] Window start time (MET)	157766464.184000	157766464.184000			
[s] Window stop time (MET)	160358464.184000	160358464.184000			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9829799899862			
[mm] SIM translation stage offset	0	0.002508901615314585			
[s] Observation start time (MET)	159766674.184000	159765797.00092			
Observation start date	2003-01-24T03:36:50	2003-01-24T03:23:17			
[s] Observation end time (MET)	159768674.184000	159769470.60108			
Observation end date	2003-01-24T04:10:10	2003-01-24T04:24:30			

2.3 Aspect



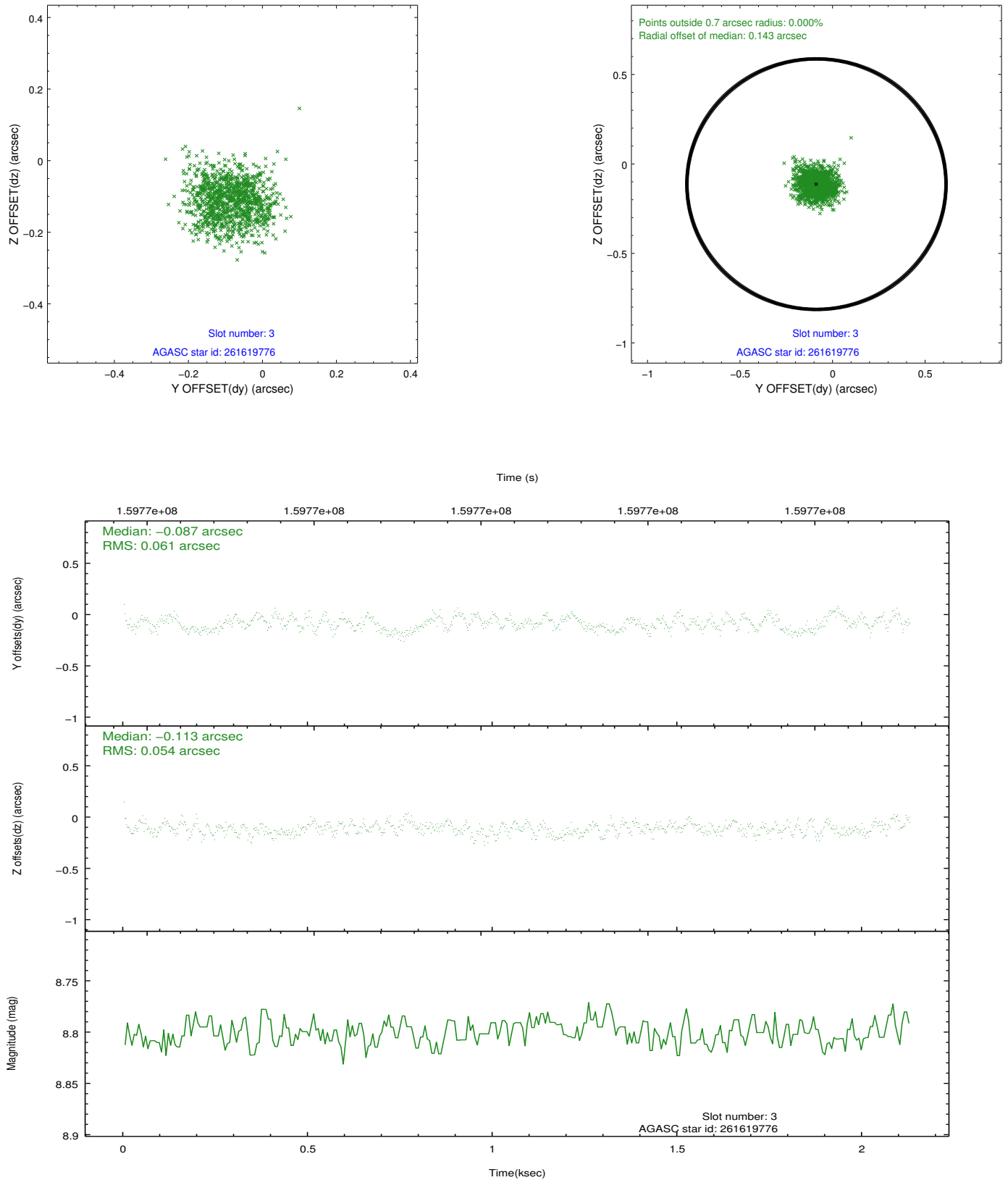


Slot Statistics

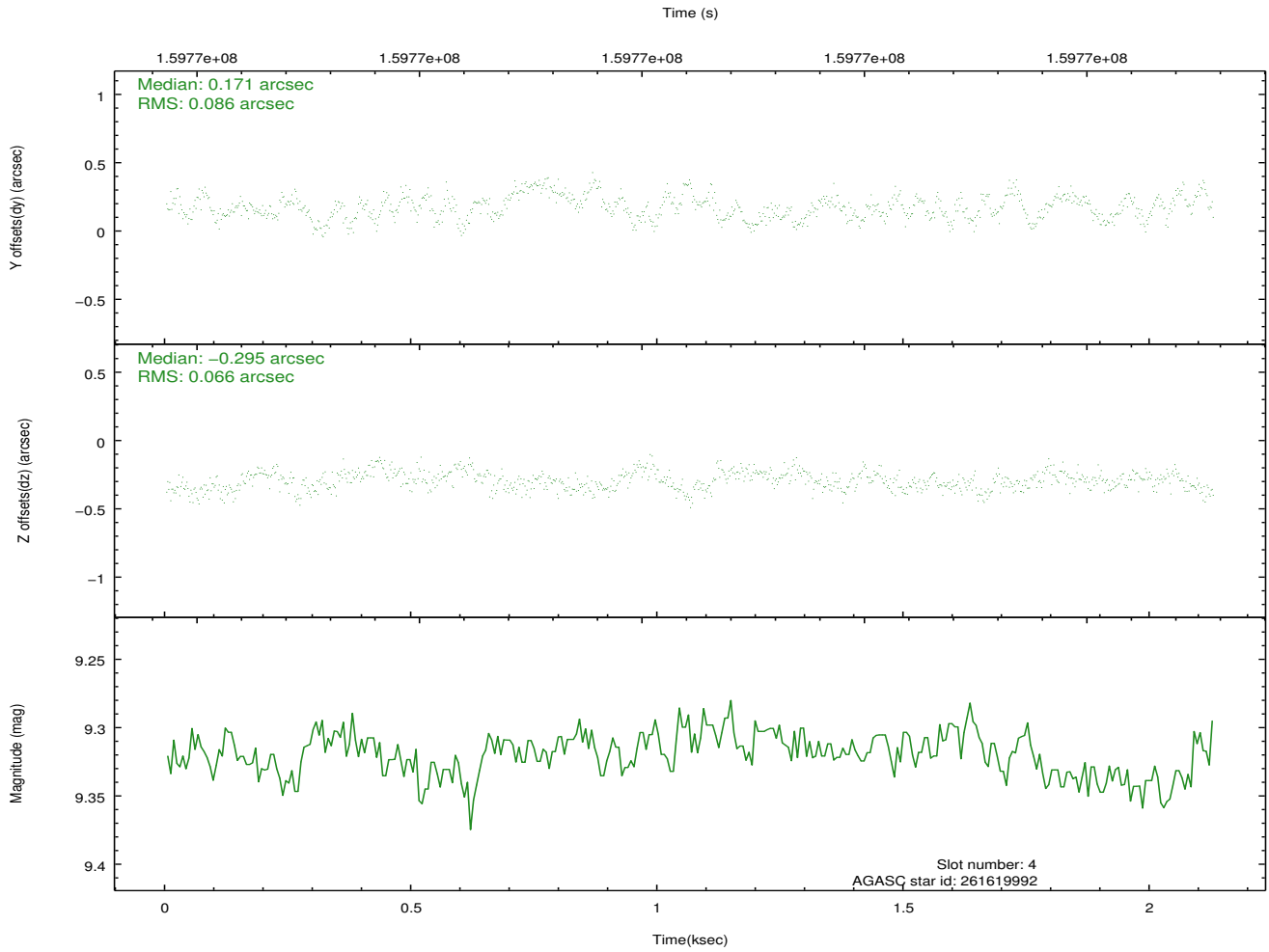
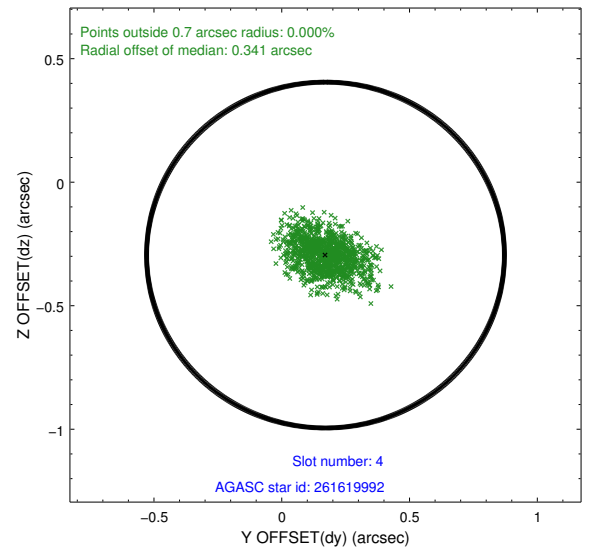
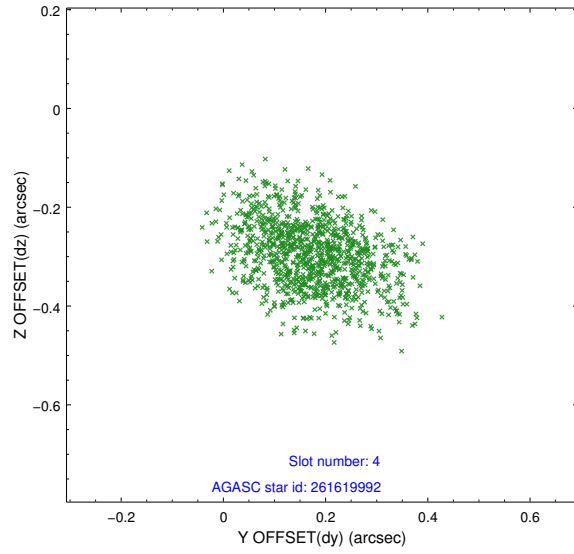
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.00	519	-0.014	0.026	0.006	0.011	0.000000	0.000000	-759.35	-1293.06
1	FID	HRC-I-2	7.03	519	0.115	-0.066	0.006	0.009	0.000000	0.000000	851.94	-1297.16
2	FID	HRC-I-3	7.09	519	0.019	-0.049	0.005	0.010	0.000000	0.000000	-1186.24	1008.91
3	GUIDE	261619776	8.80	1038	-0.087	-0.113	0.087	0.136	198.654383	29.401174	909.50	1594.43
4	GUIDE	261619992	9.32	1038	0.171	-0.295	0.117	0.190	198.395553	28.647634	-1899.71	1949.31
5	GUIDE	261623040	9.14	1034	-0.263	-0.062	0.081	0.130	198.792686	29.757643	2245.35	1384.77
6	GUIDE	261623624	9.12	1038	0.155	0.312	0.083	0.130	199.611555	28.454113	-1931.52	-1958.15
7	GUIDE	261624456	7.31	1037	0.018	0.157	0.071	0.106	199.758056	28.567828	-1450.99	-2345.61

2.4 Star Slots

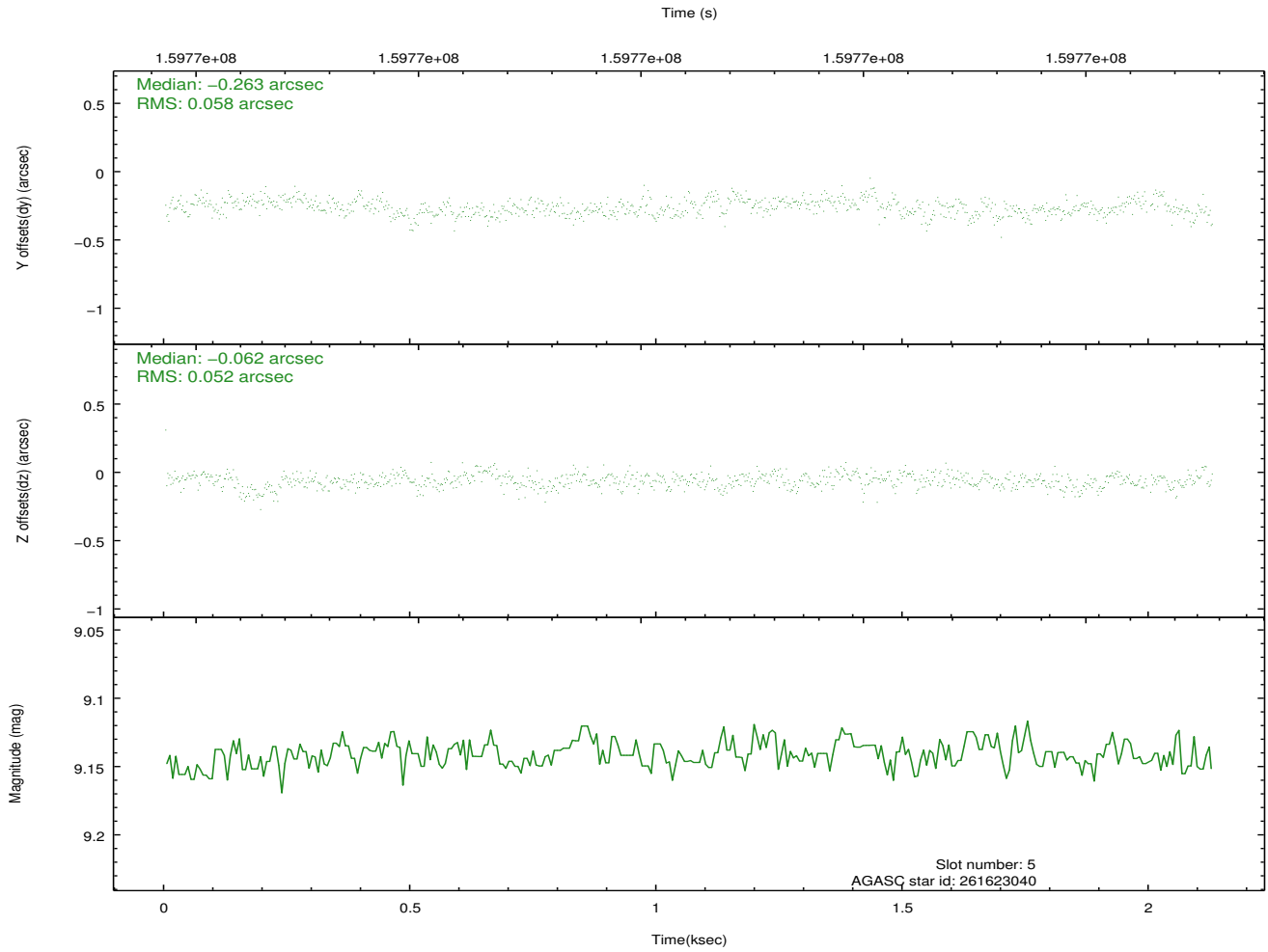
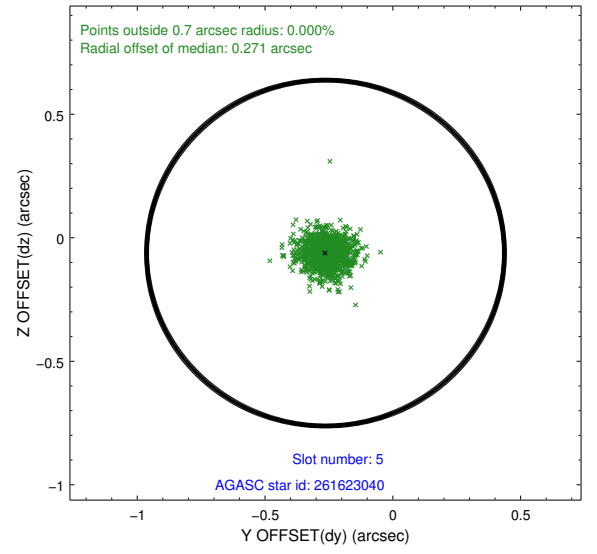
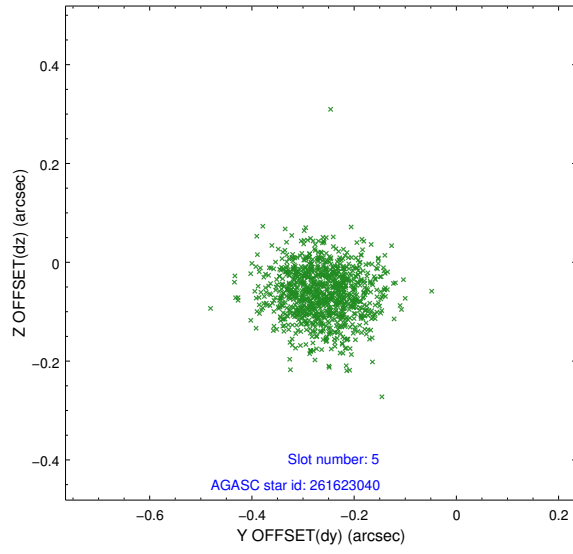
2.4.1 Slot 3



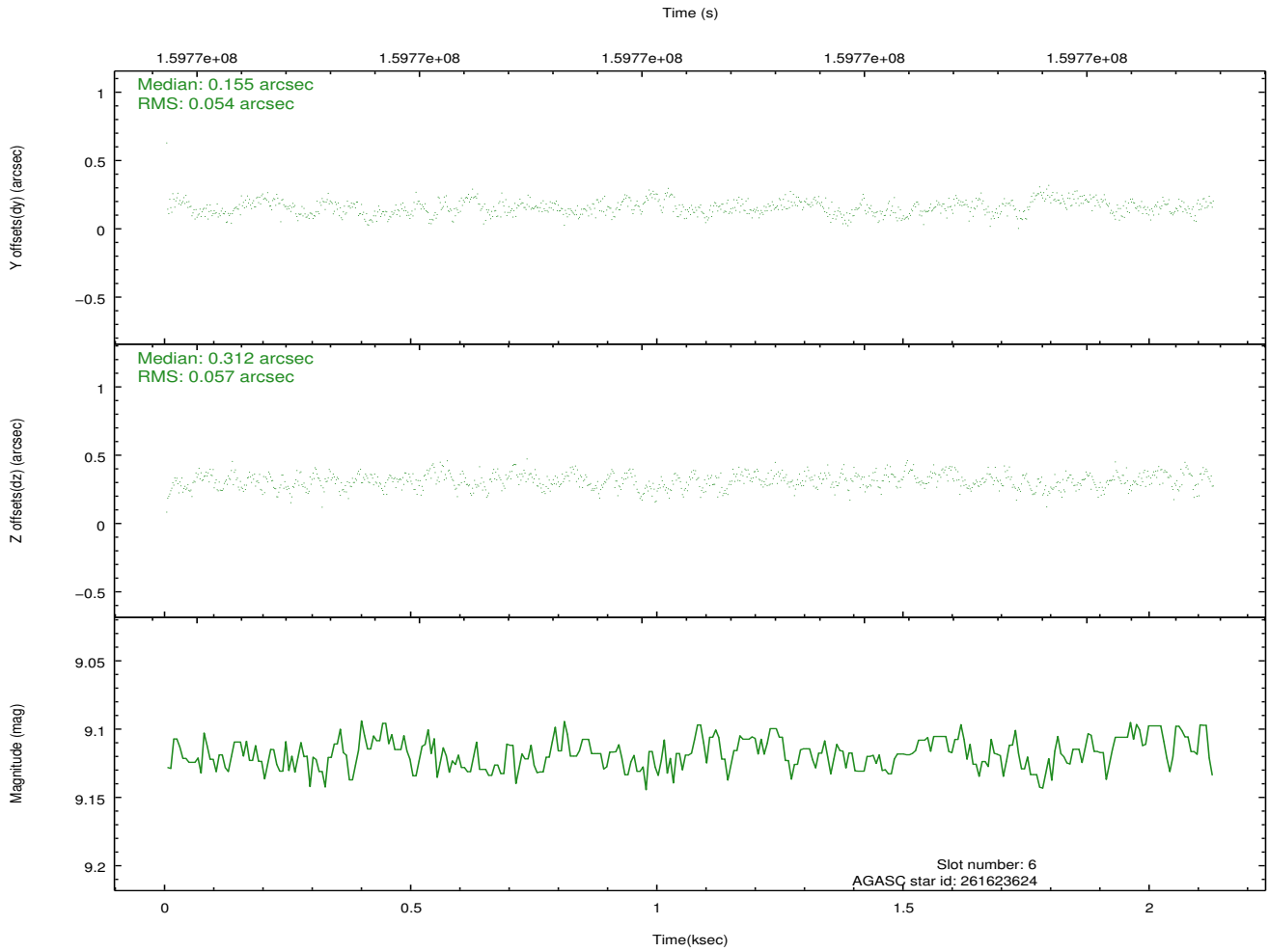
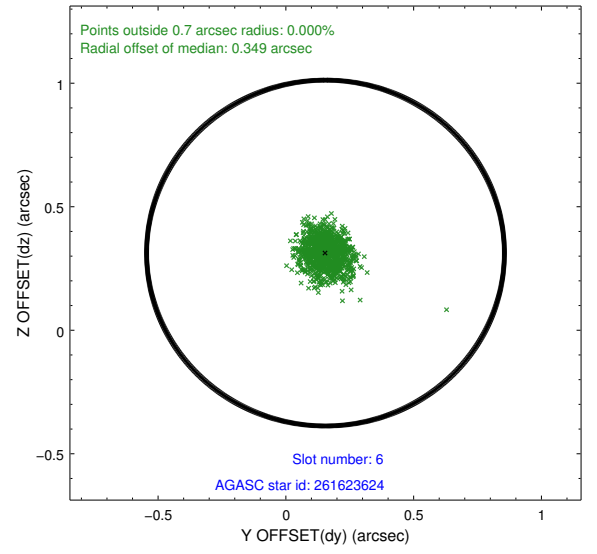
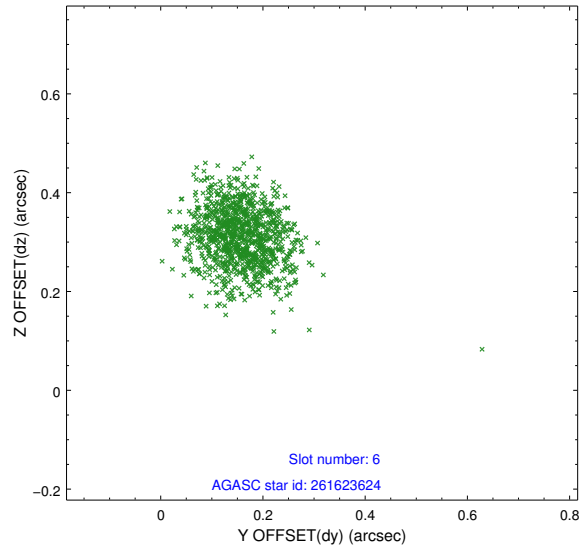
2.4.2 Slot 4



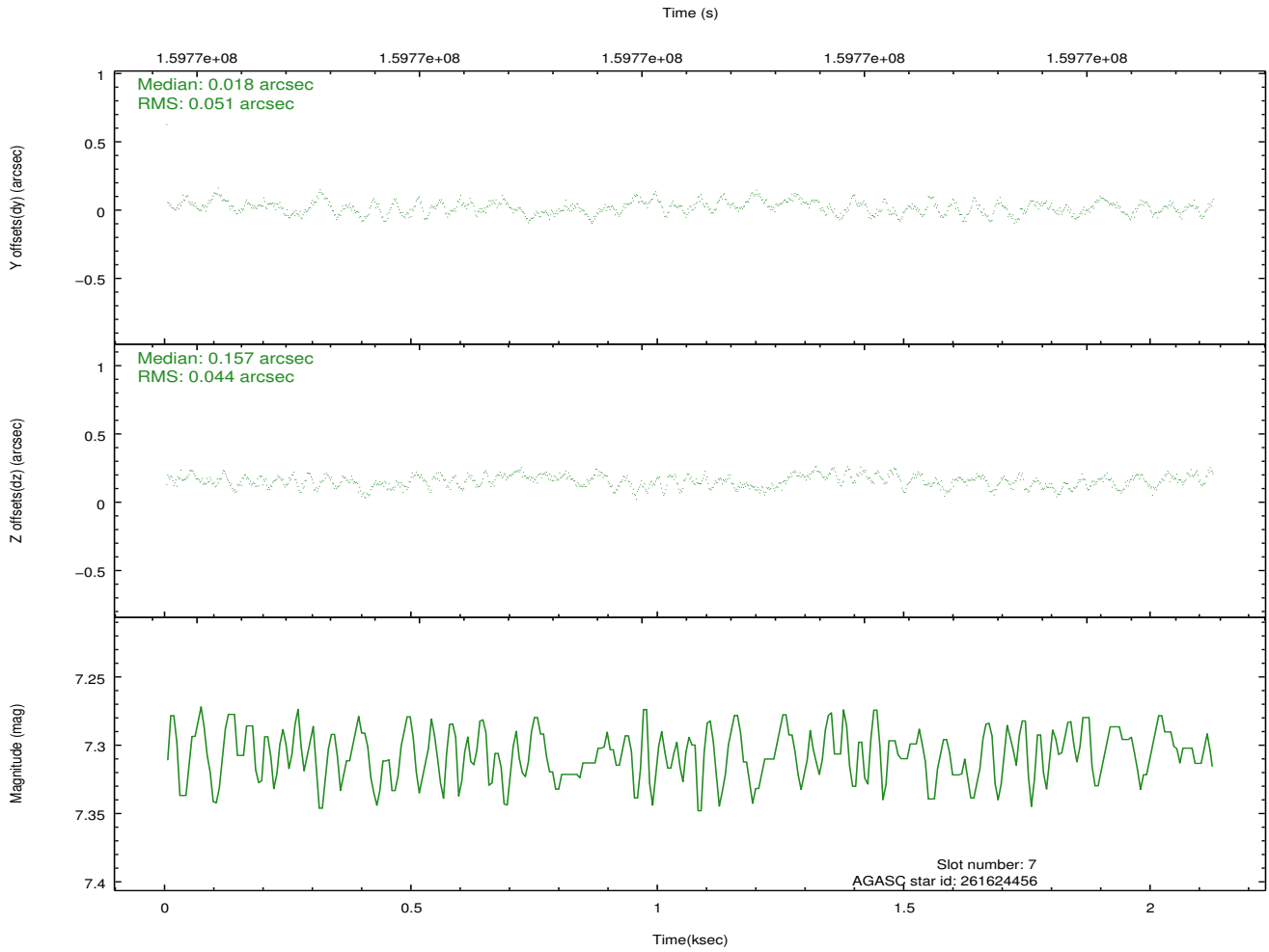
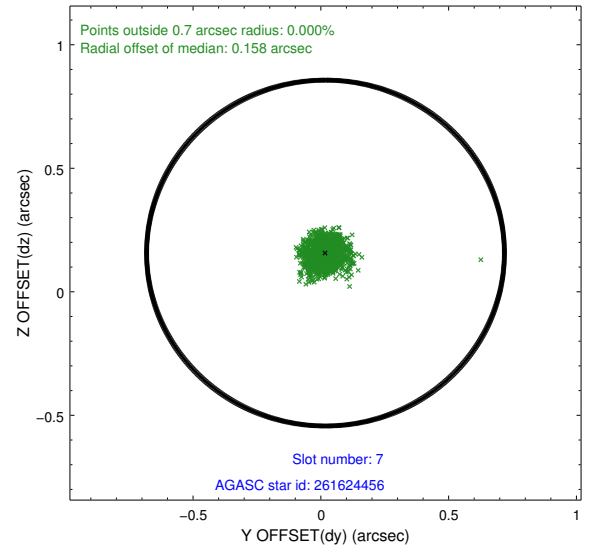
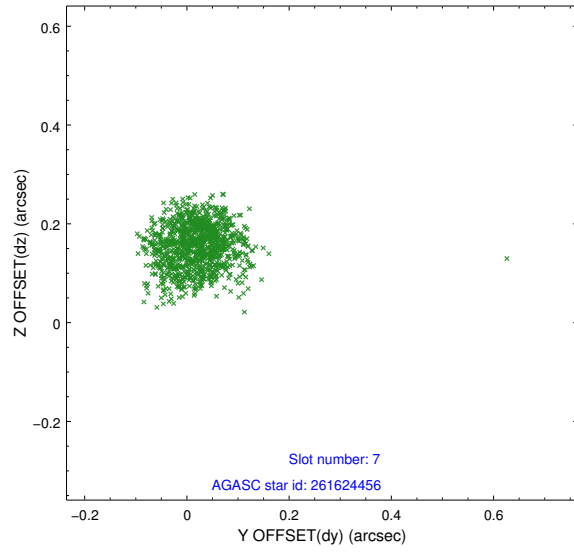
2.4.3 Slot 5



2.4.4 Slot 6

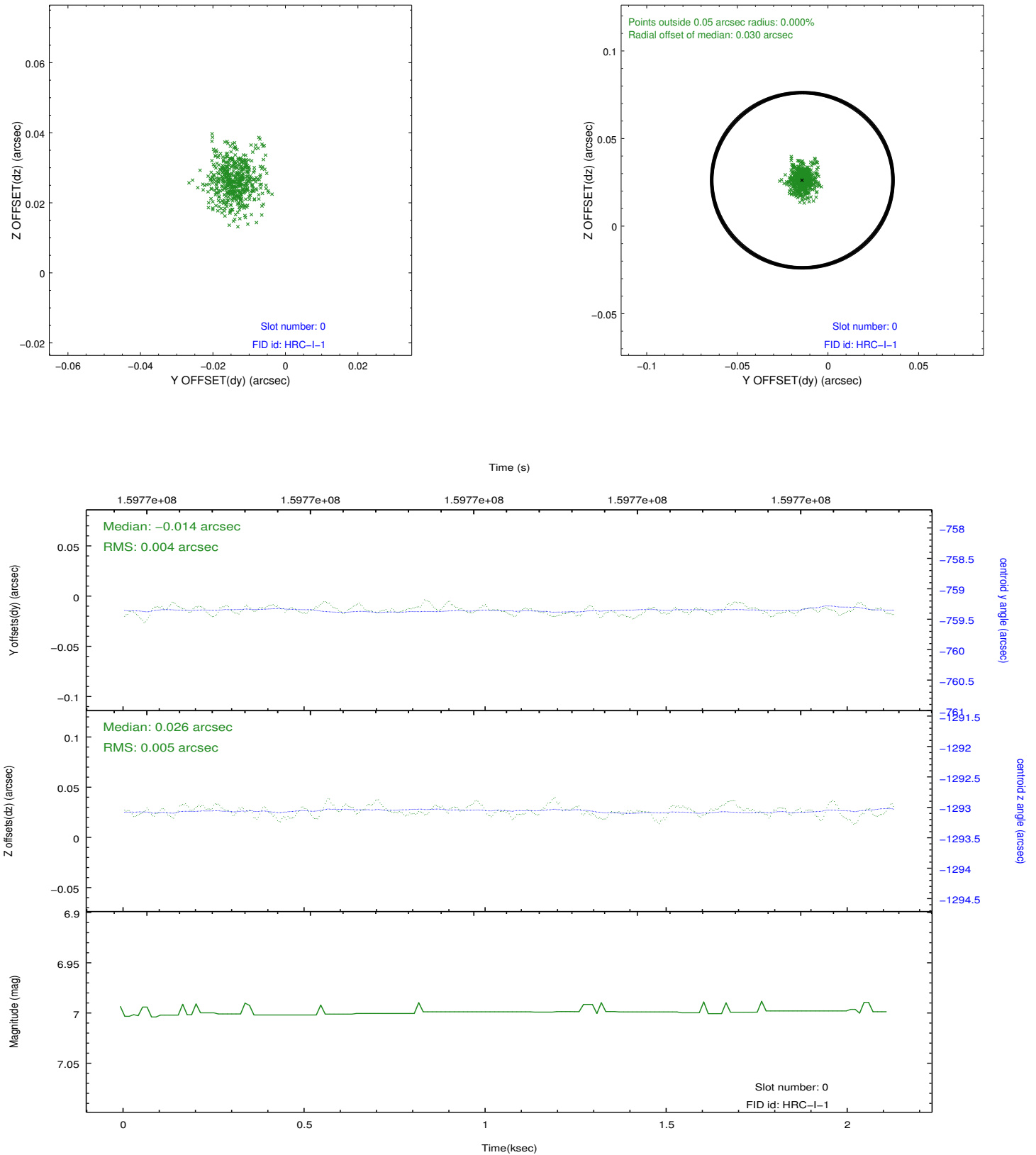


2.4.5 Slot 7

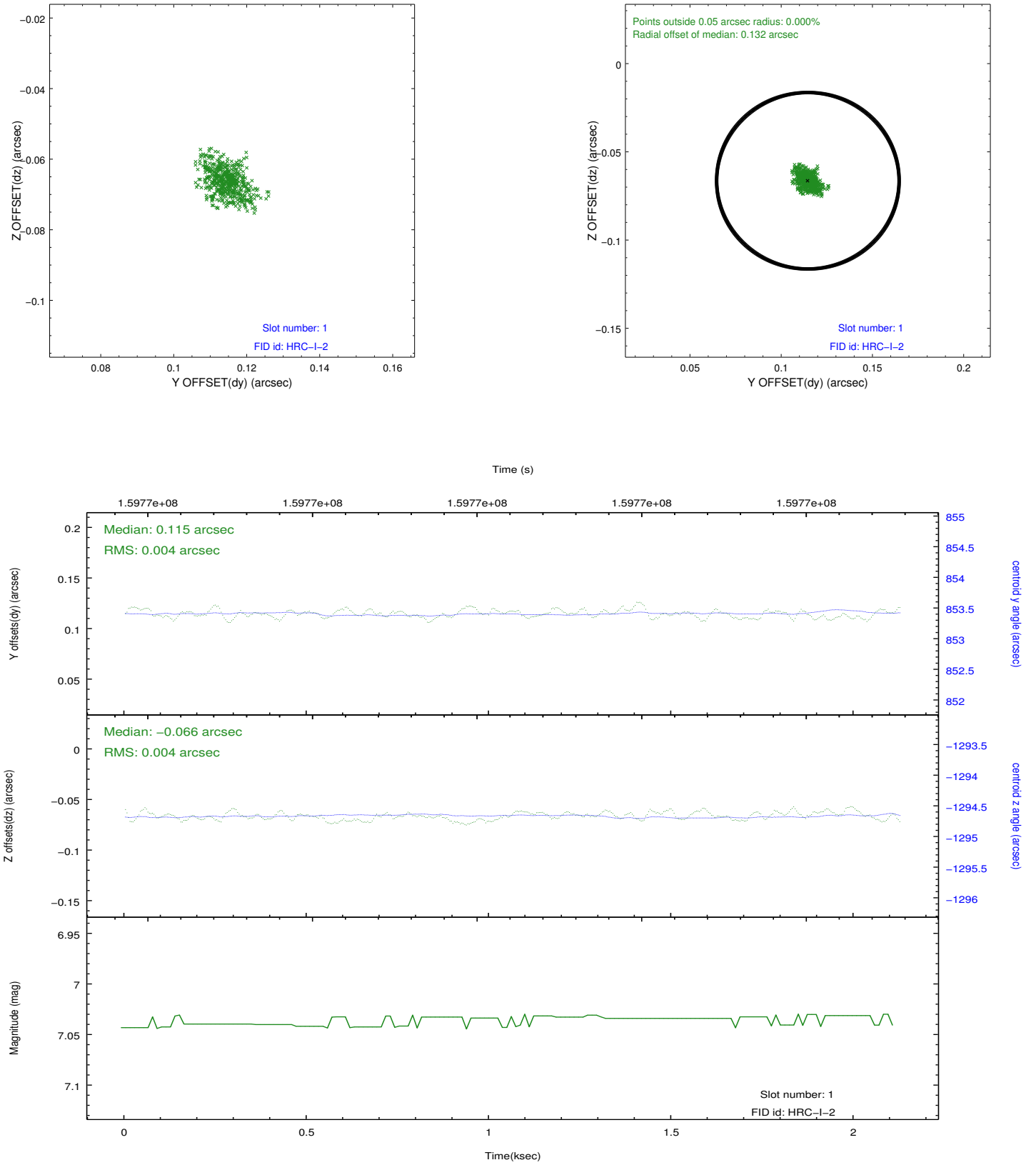


2.5 FID Slots

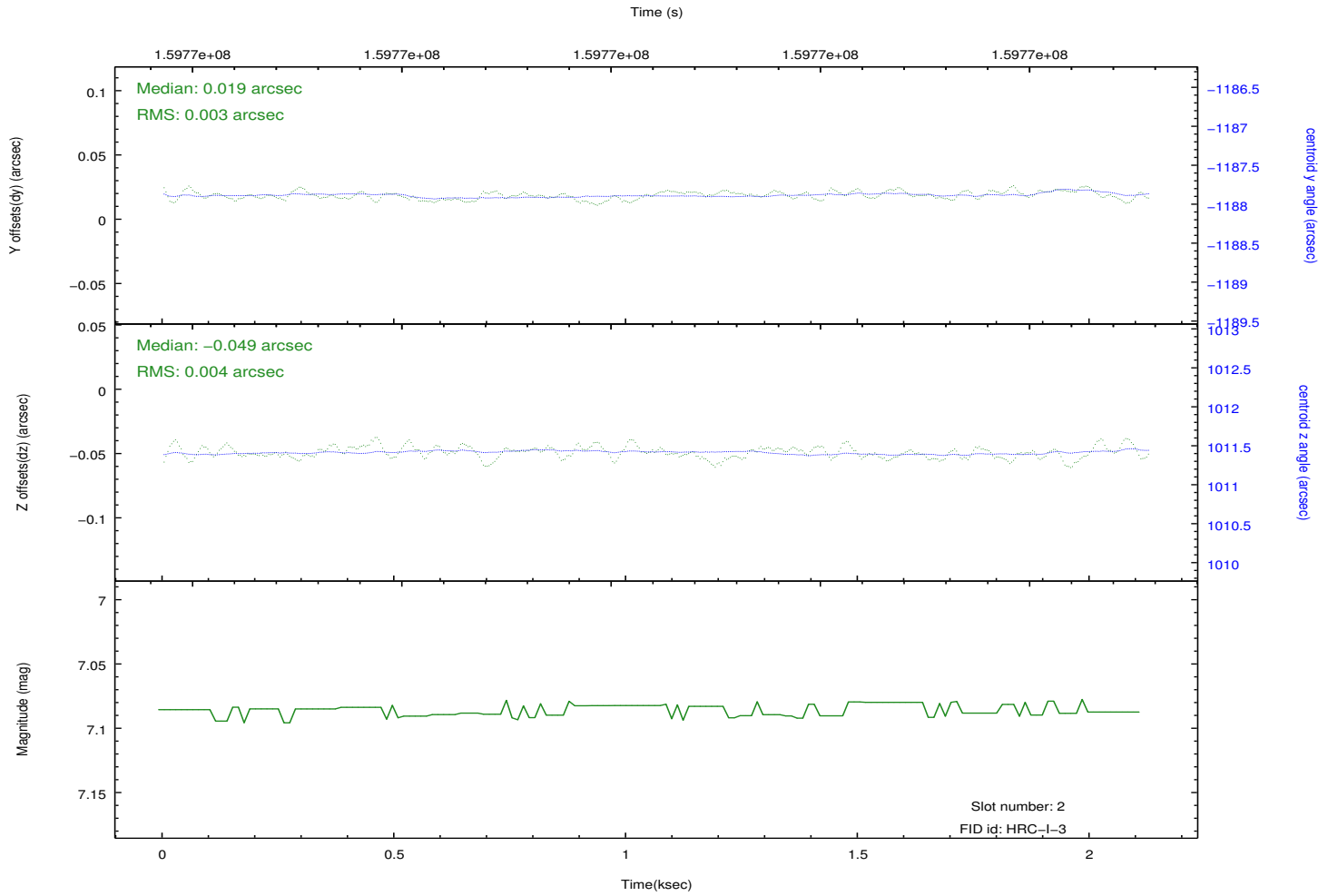
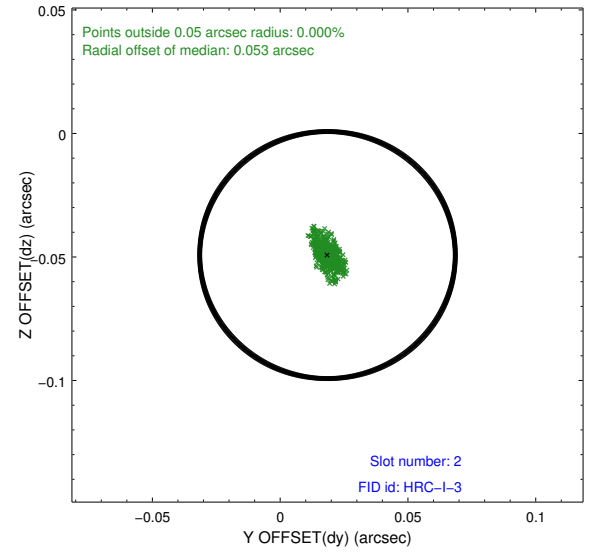
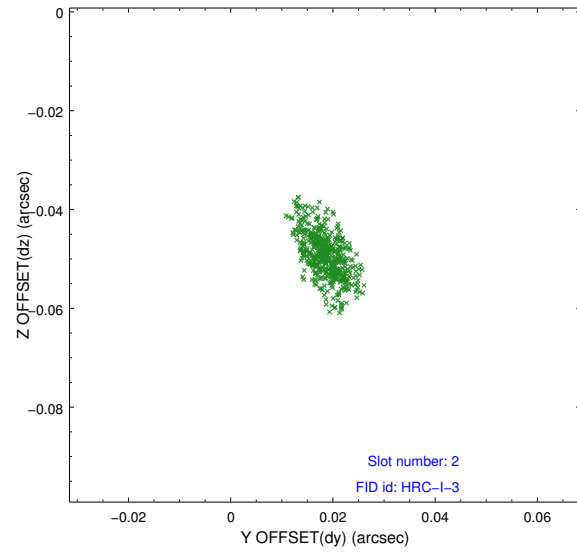
2.5.1 Slot 0



2.5.2 Slot 1

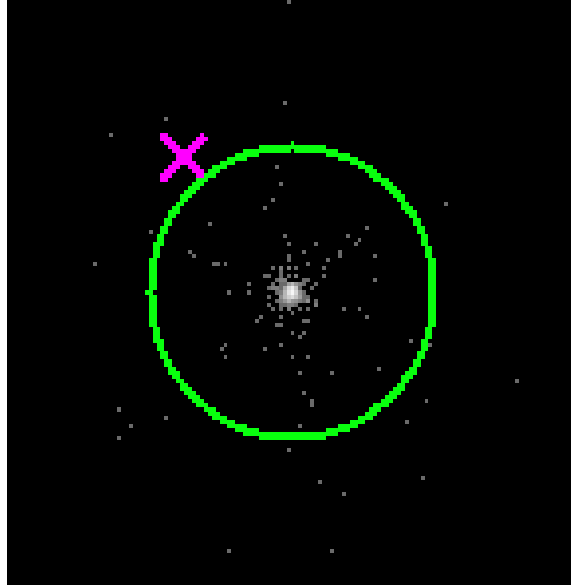


2.5.3 Slot 2

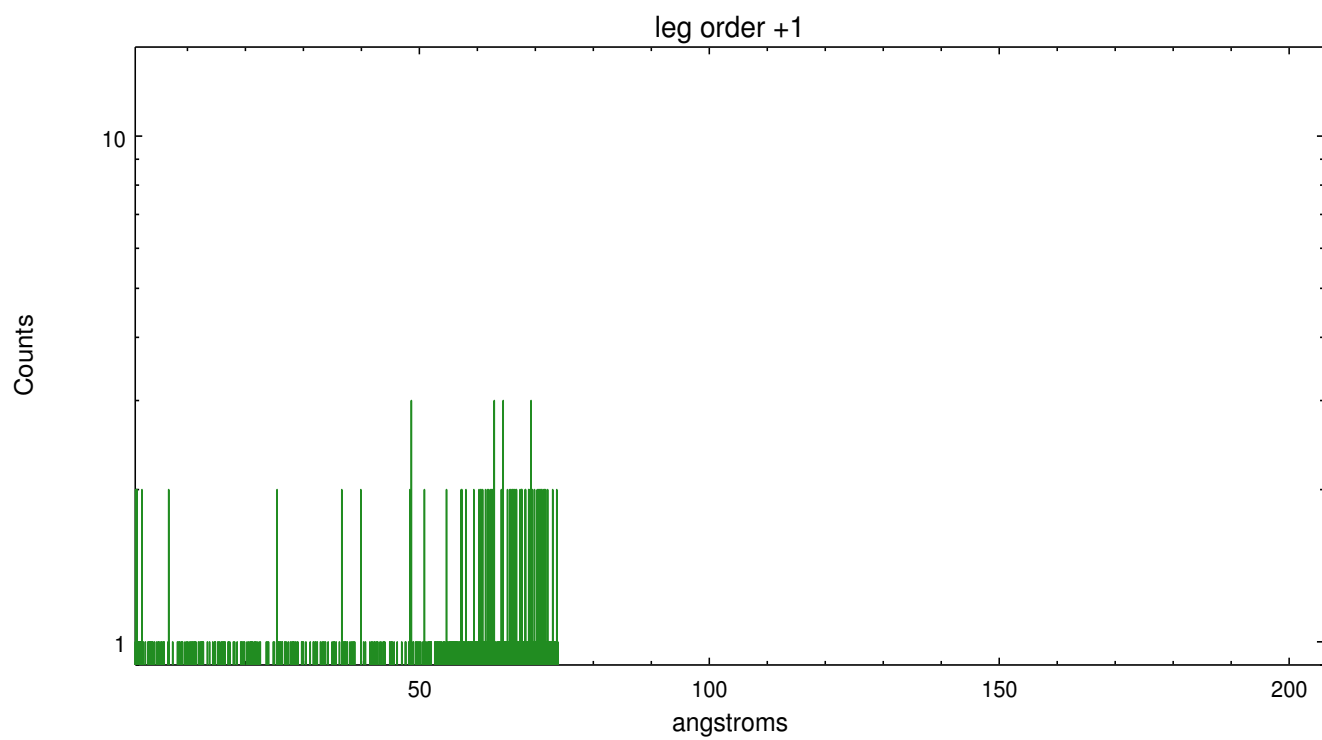
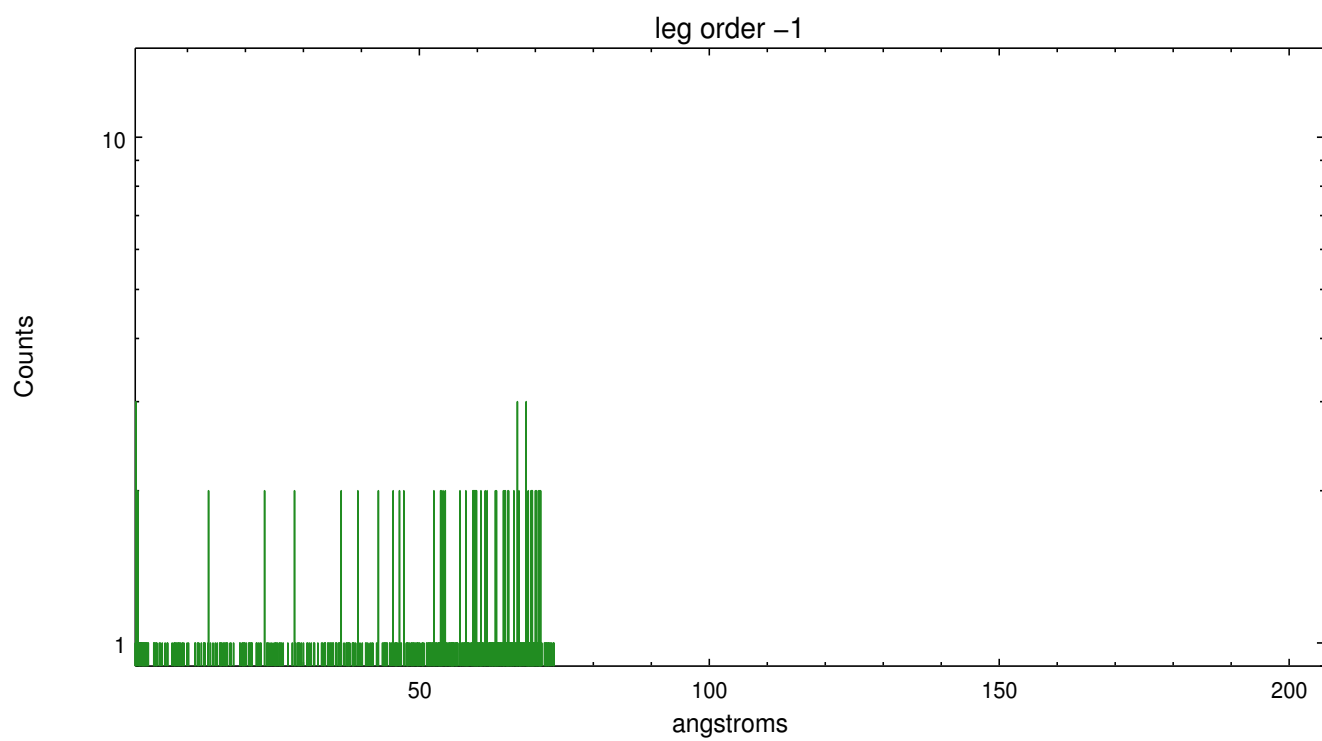


3 Gratings

3.1 LETG Arm



LETG Zero Order



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.11.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.87

A.2 Comments