

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4428 - L2 Version 3
Chandra X-Ray Center

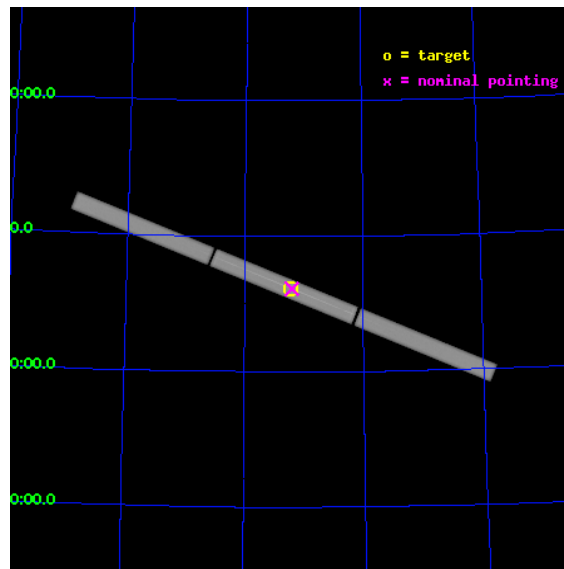
L2 Processing Date : Oct 28 2012

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1 Front

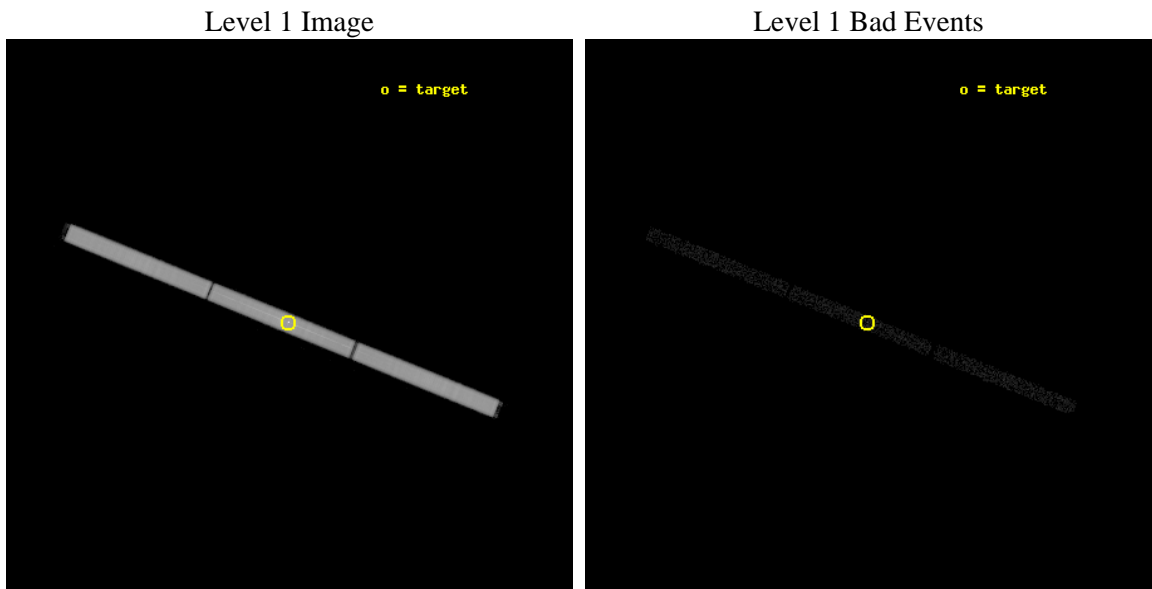
seq_num	700706	Sequence number
obs_id	4428	Observation id
title	CONNECTING THE X-RAY AND UV IONIZED ABSORBERS IN MRK 279	Proposal
observer	Dr Jelle Kaastra	Principal investigator
object	MRK 279	Source name
ra_targ	208.264583	Observer's specified target RA [deg]
dec_targ	69.308111	Observer's specified target Dec [deg]
ra_nom	208.25227133588	Nominal RA [deg]
dec_nom	69.306451176243	Nominal Dec [deg]
roll_nom	202.07884590573	Nominal Roll [deg]
revision	3	Processing version of data
ontime	46353.833212763	[s]
livetime	46089.596537174	Ontime multiplied by DTCOR
l2events	2100623	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	46500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	46353.833212763	[s]
caldbver	4.5.2	 	l1events	2934520	Number of level 1 events
date	2012-10-28T13:35:39	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

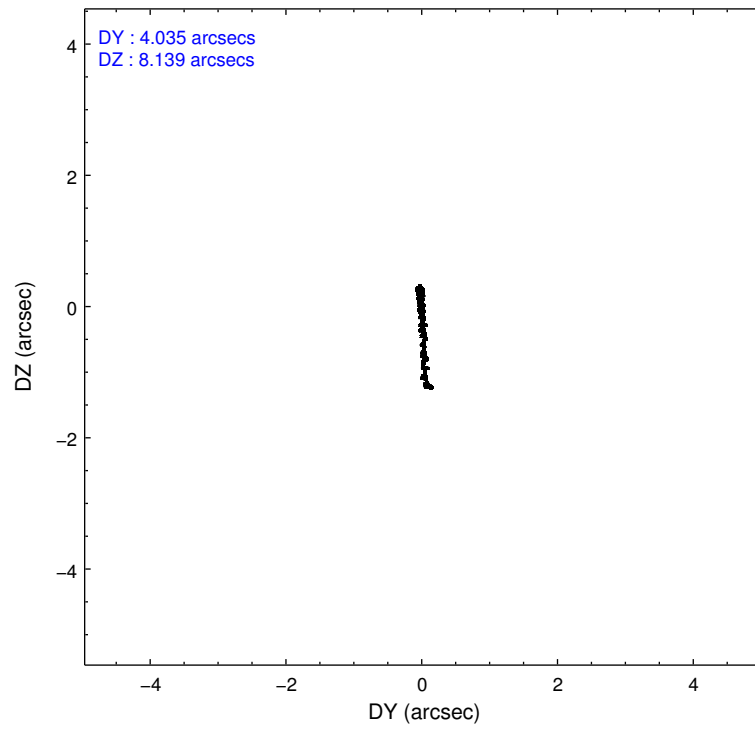
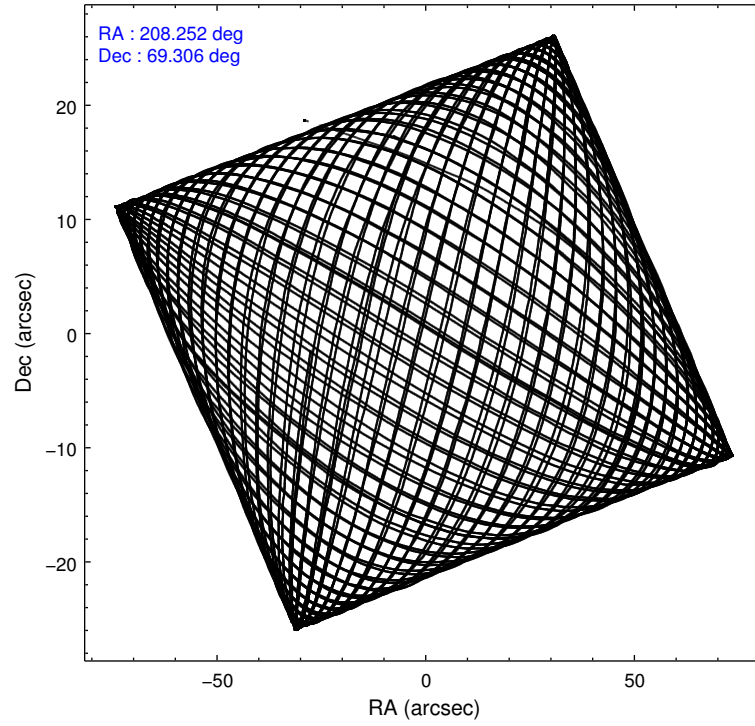
Level 1 Events

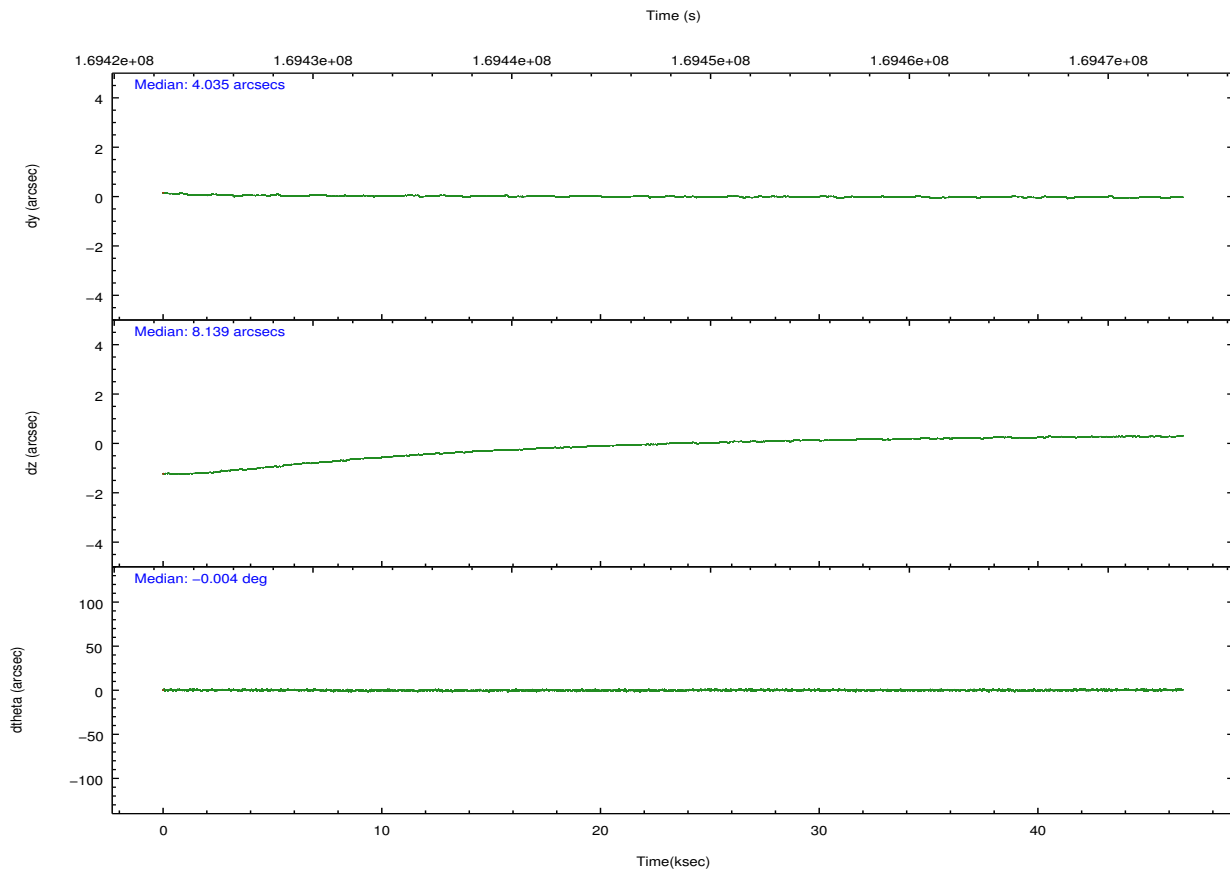
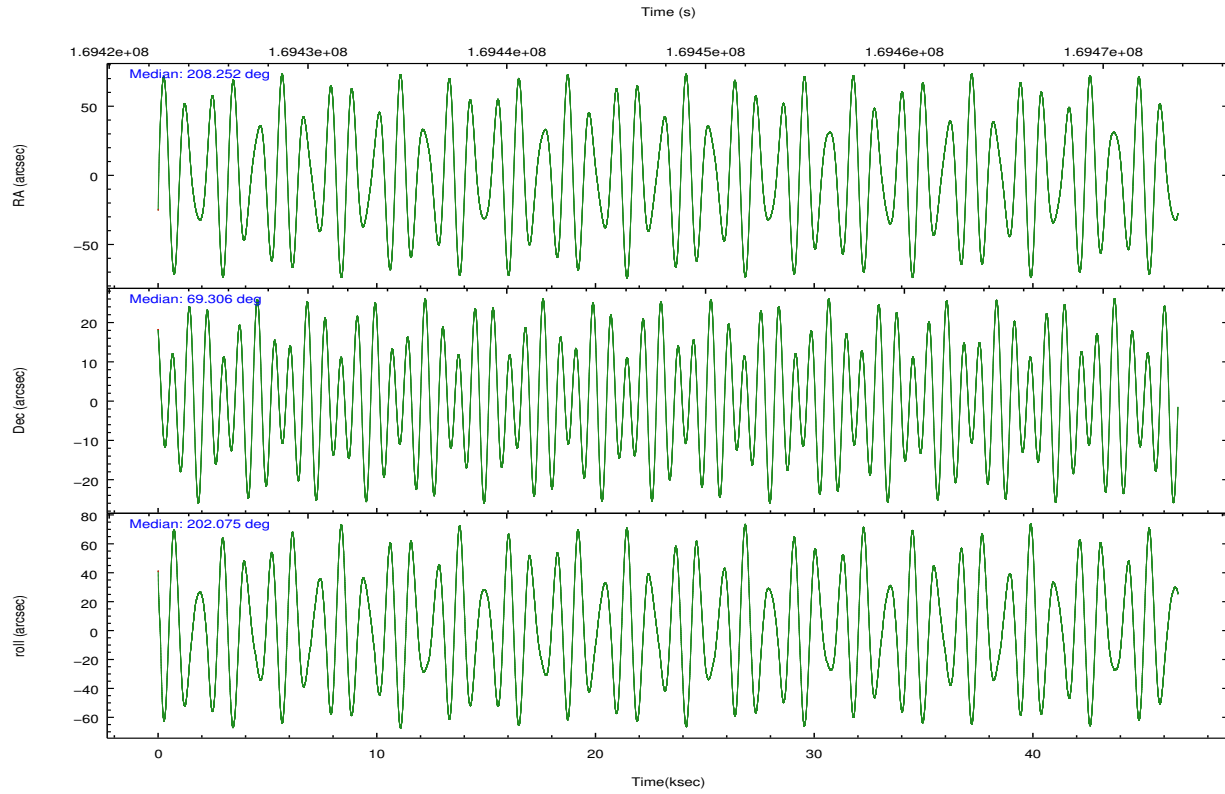
	segment 1	segment 2	segment 3
level 1 events	960240	1008497	965783
rejected events	2921	17033	3130
rejected %	0%	1%	0%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
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			
[deg] Pointing RA	208.298736	208.252271335875			
[deg] Pointing Dec	69.329880	69.3064511762429			
[deg] Pointing Roll	201.968040	202.0788459057346			
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	169424931.184000	169423094.74535			
Observation start date	2003-05-15T22:27:47	2003-05-15T21:58:14			
[s] Observation end time (MET)	169471431.184000	169473076.82247			
Observation end date	2003-05-16T11:22:47	2003-05-16T11:51:16			

2.3 Aspect



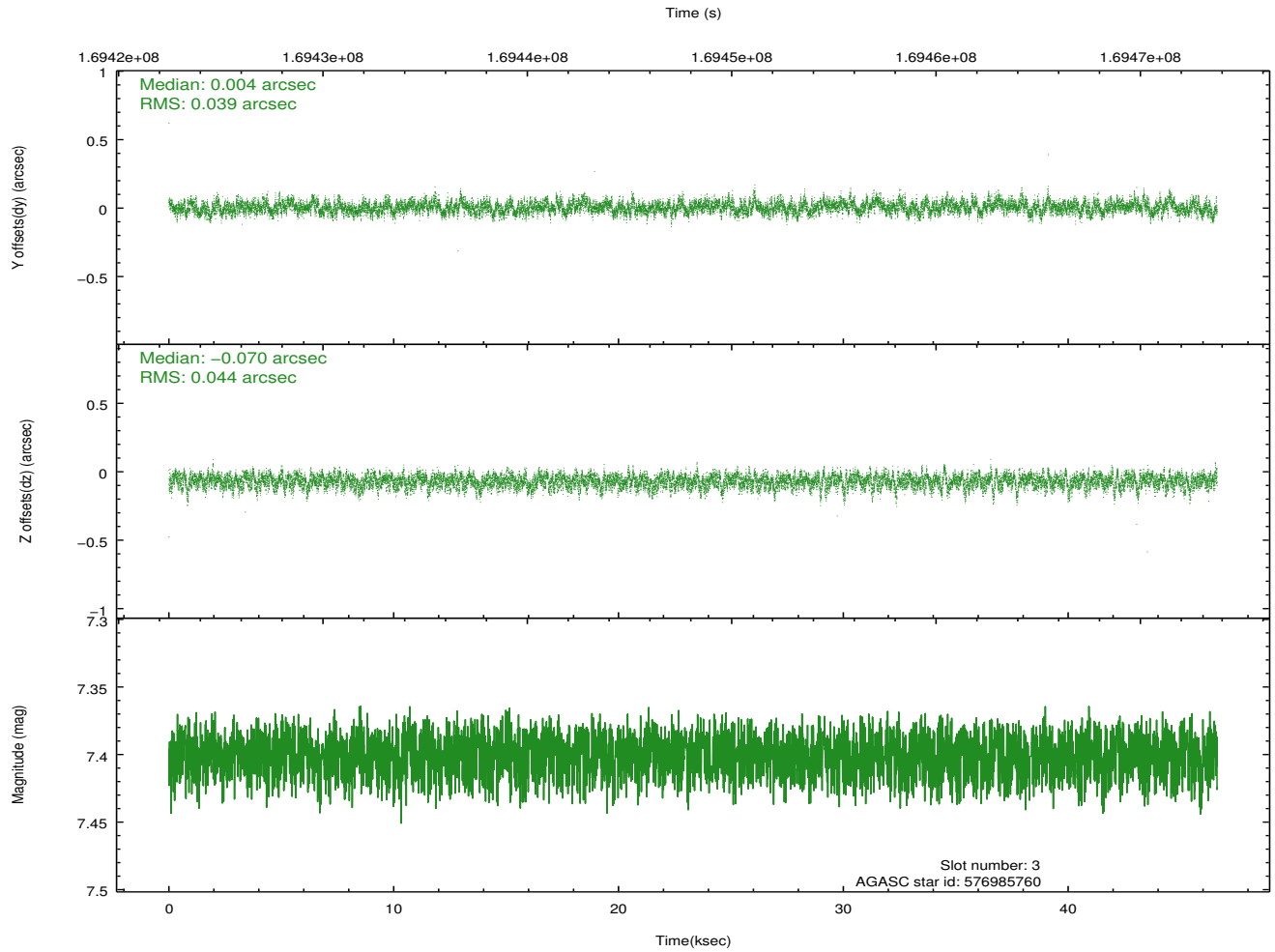
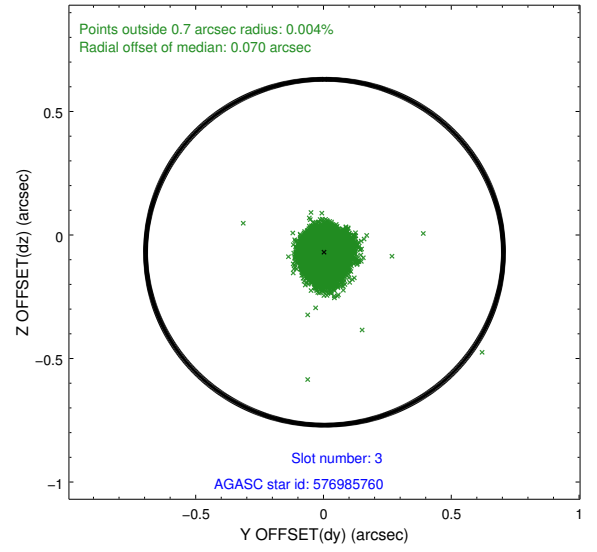
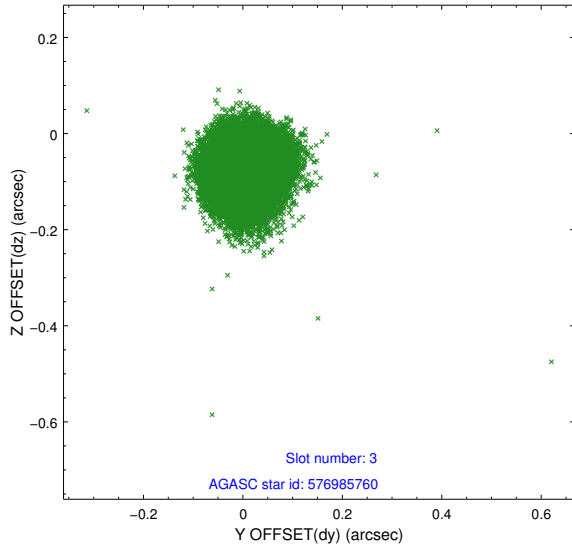


Slot Statistics

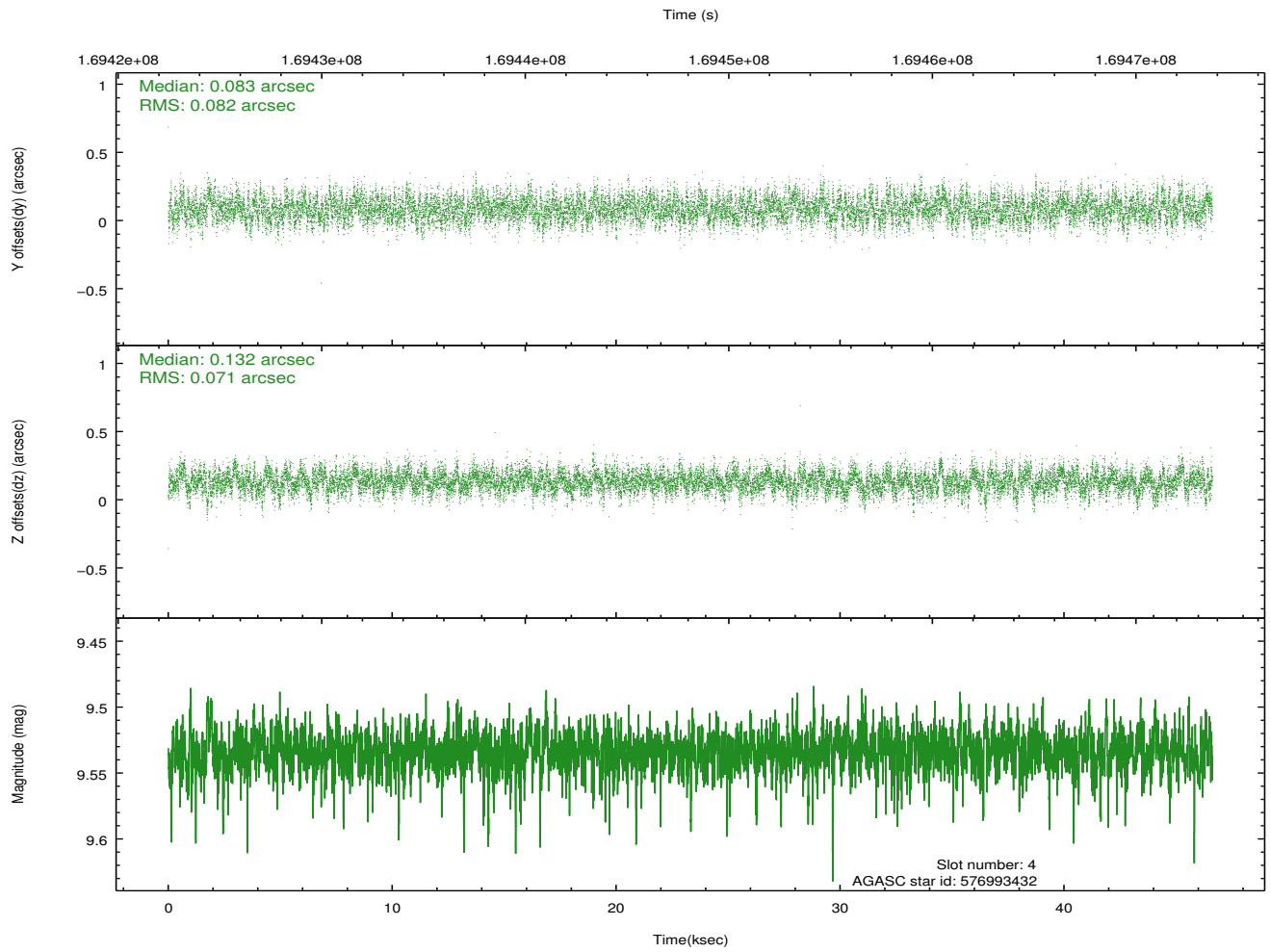
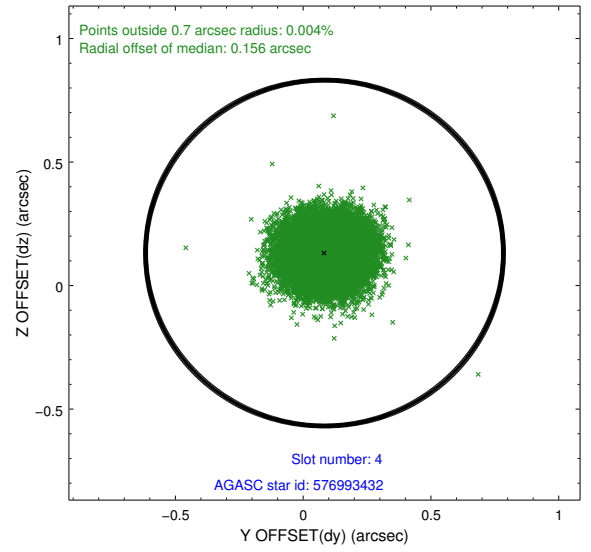
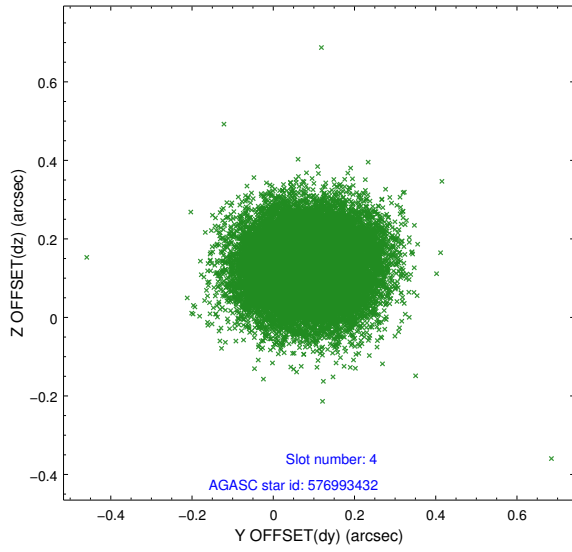
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.99	11372	0.150	-0.118	0.010	0.015	0.000000	0.000000	-1158.09	-456.54
1	FID	HRC-S-2	6.98	11373	0.076	-0.087	0.005	0.010	0.000000	0.000000	1241.42	-449.17
2	FID	HRC-S-3	7.01	11372	0.163	-0.098	0.009	0.015	0.000000	0.000000	-1160.69	572.97
3	GUIDE	576985760	7.40	22746	0.004	-0.070	0.063	0.100	207.721529	69.153363	922.32	309.60
4	GUIDE	576993432	9.53	22721	0.083	0.132	0.115	0.186	207.256317	68.646298	2183.73	1760.65
5	GUIDE	577120624	7.14	22745	-0.094	-0.050	0.064	0.100	208.865374	69.935124	-1465.04	-1761.99
6	GUIDE	577121192	7.88	22741	0.012	0.033	0.075	0.131	208.693523	69.547622	-754.21	-542.68
7	GUIDE	577124216	10.10	22652	-0.003	-0.041	0.154	0.262	209.315908	68.857467	-592.66	2060.95

2.4 Star Slots

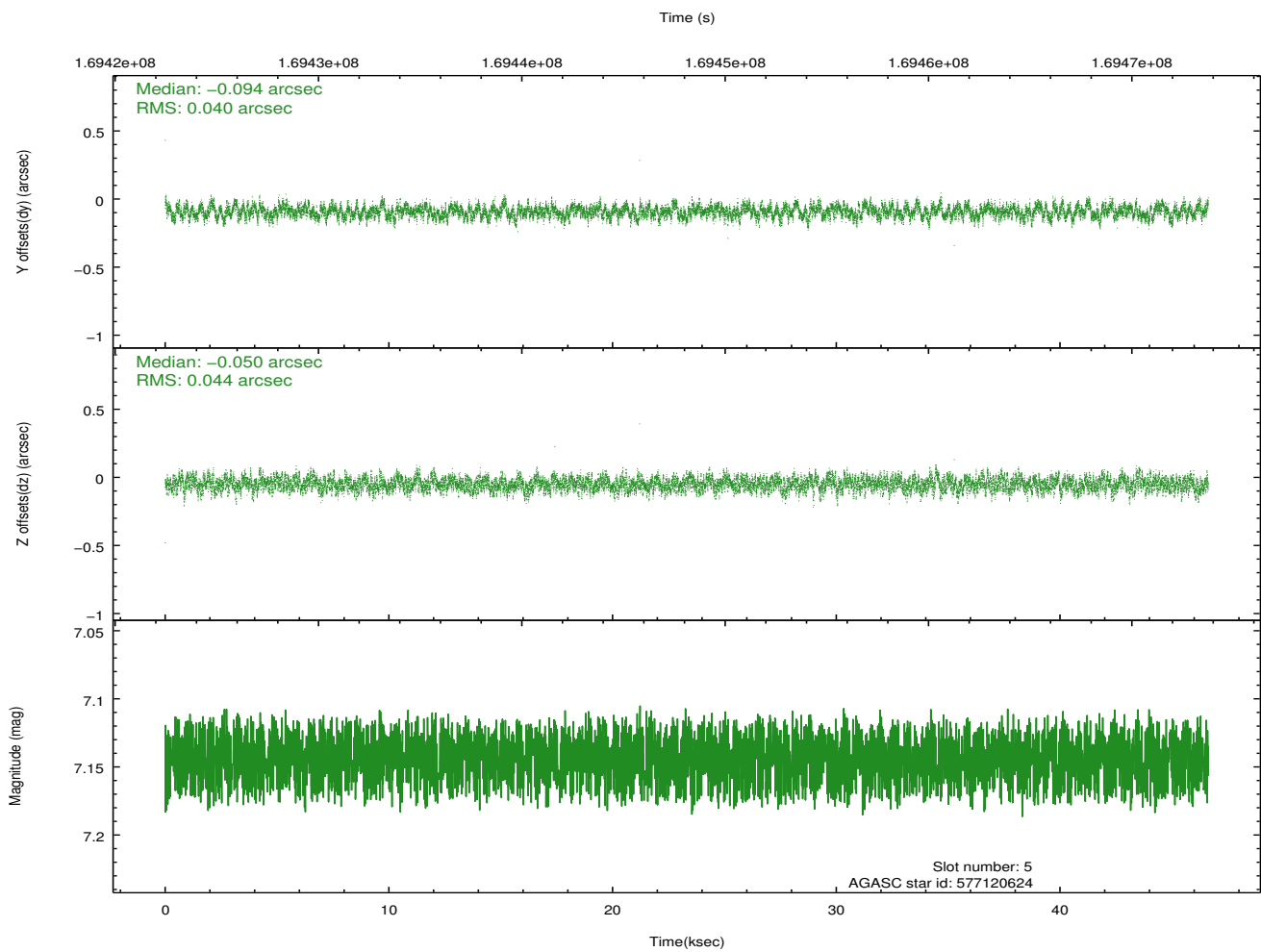
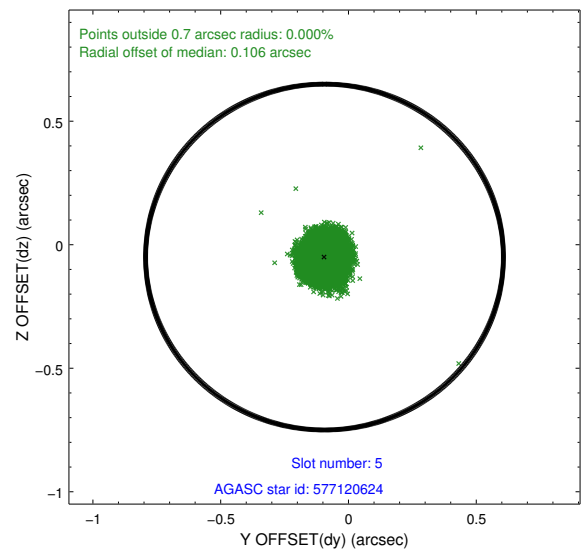
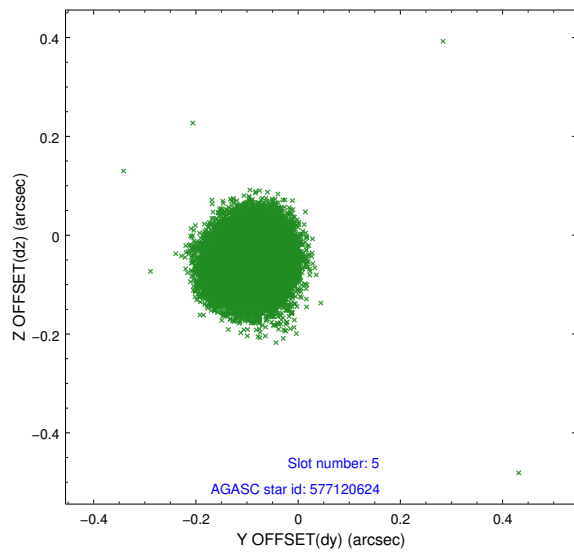
2.4.1 Slot 3



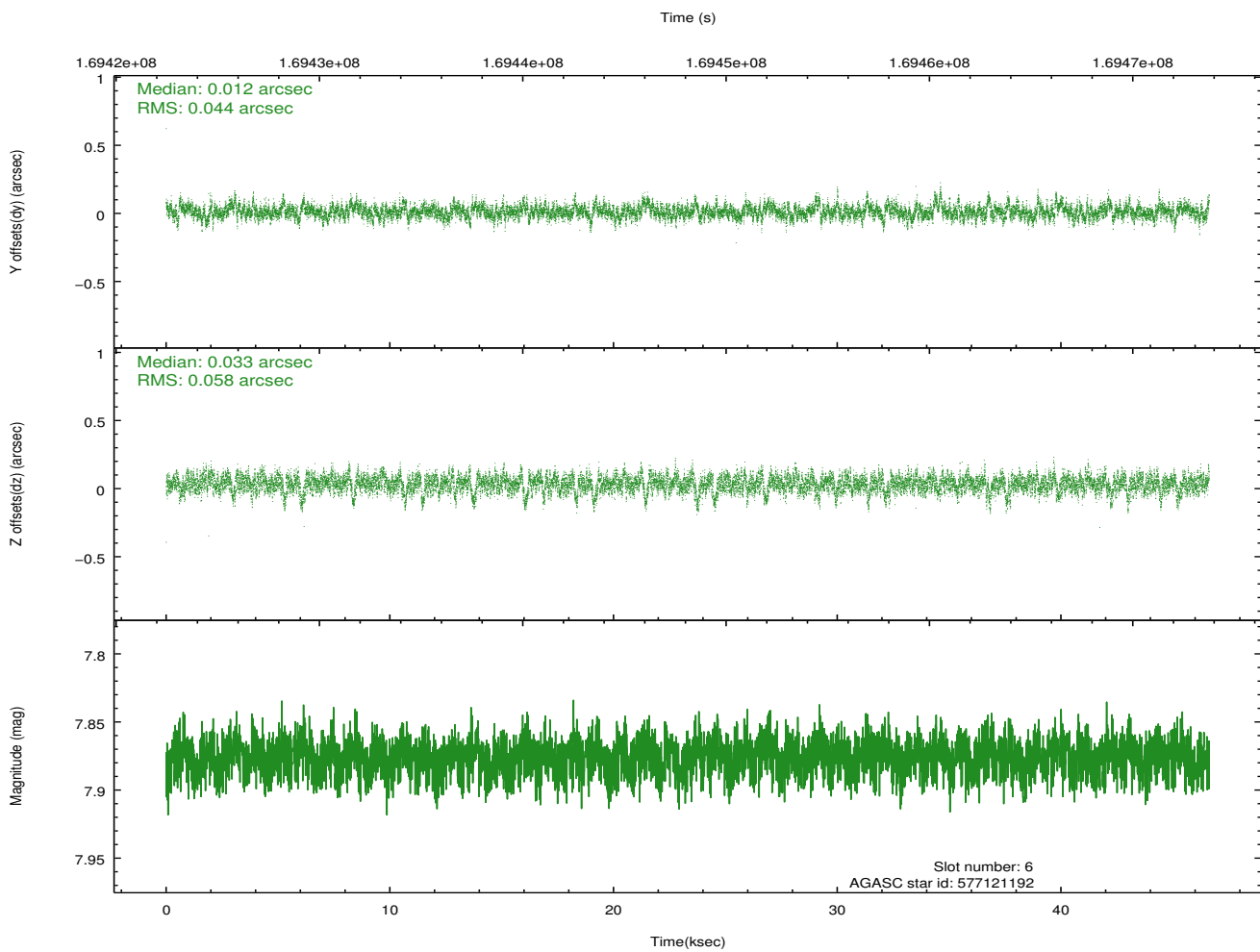
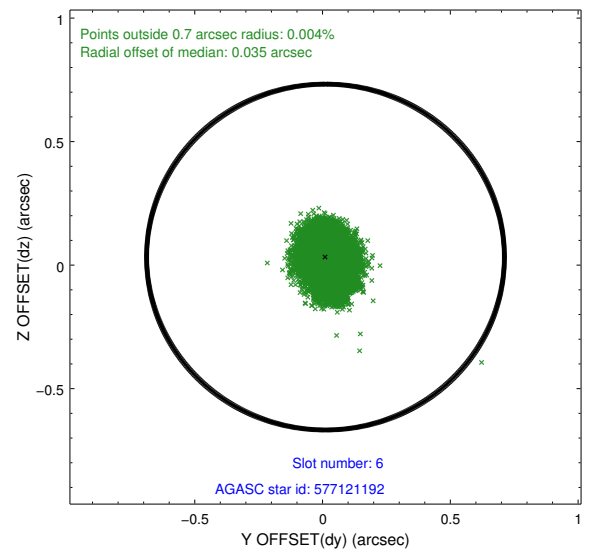
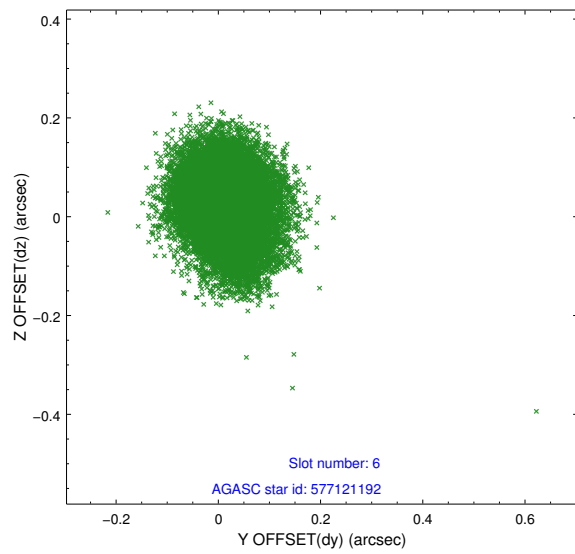
2.4.2 Slot 4



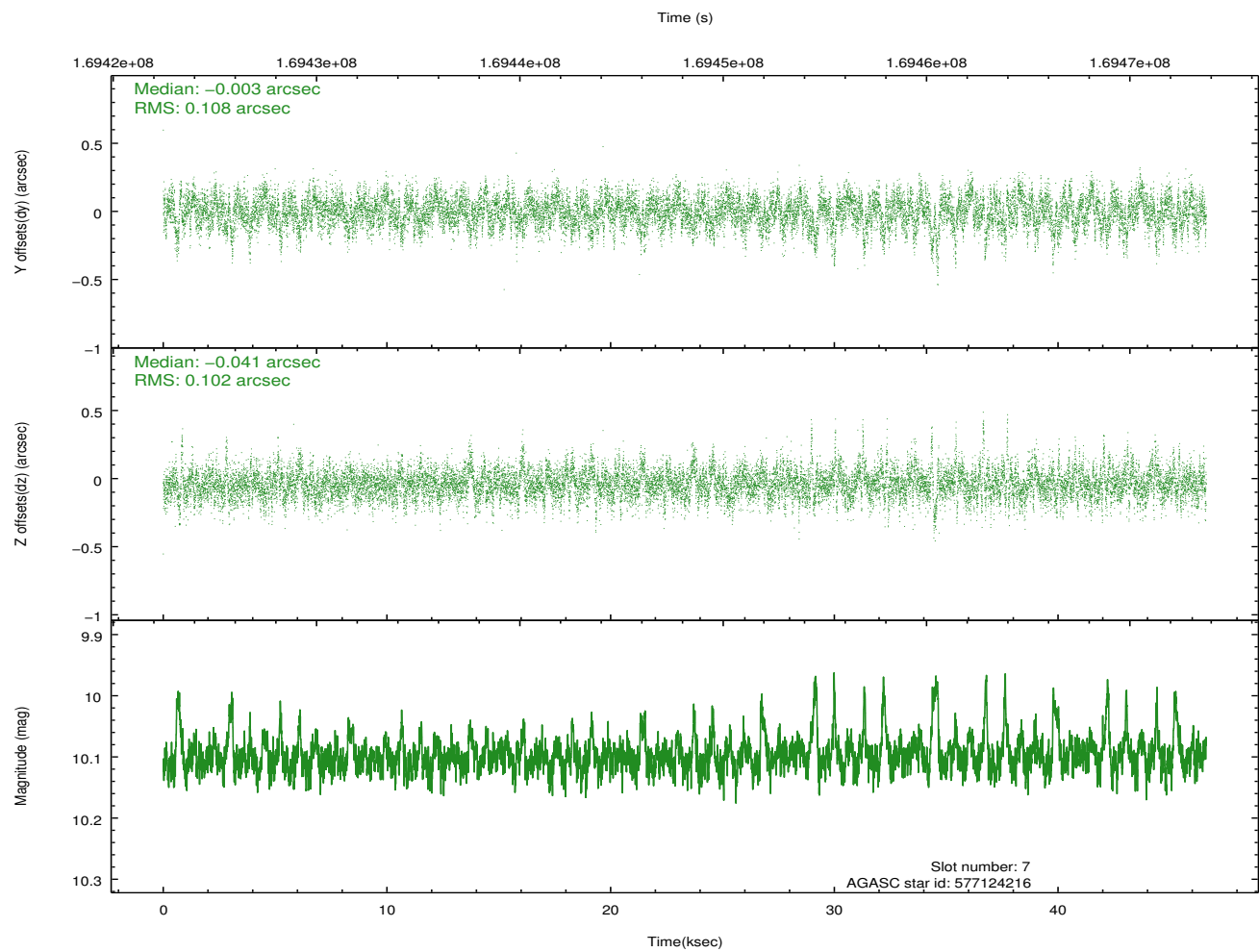
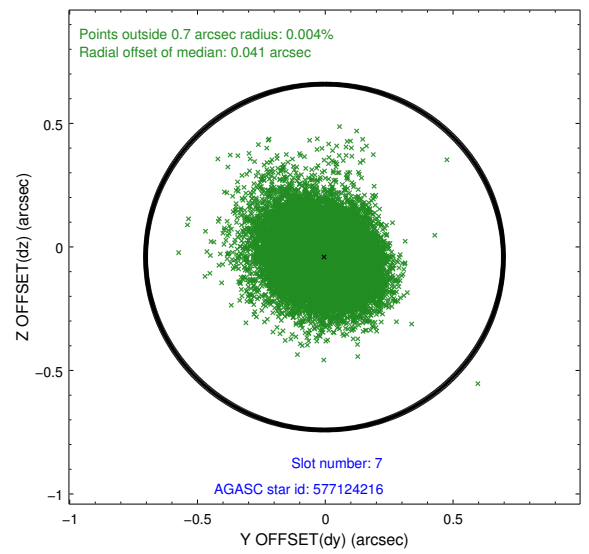
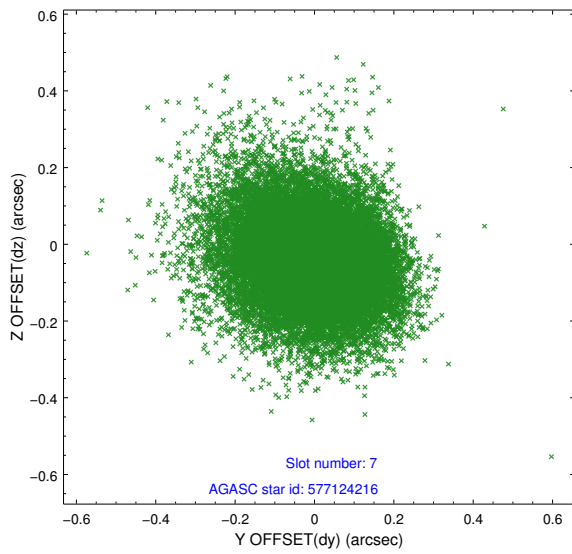
2.4.3 Slot 5



2.4.4 Slot 6

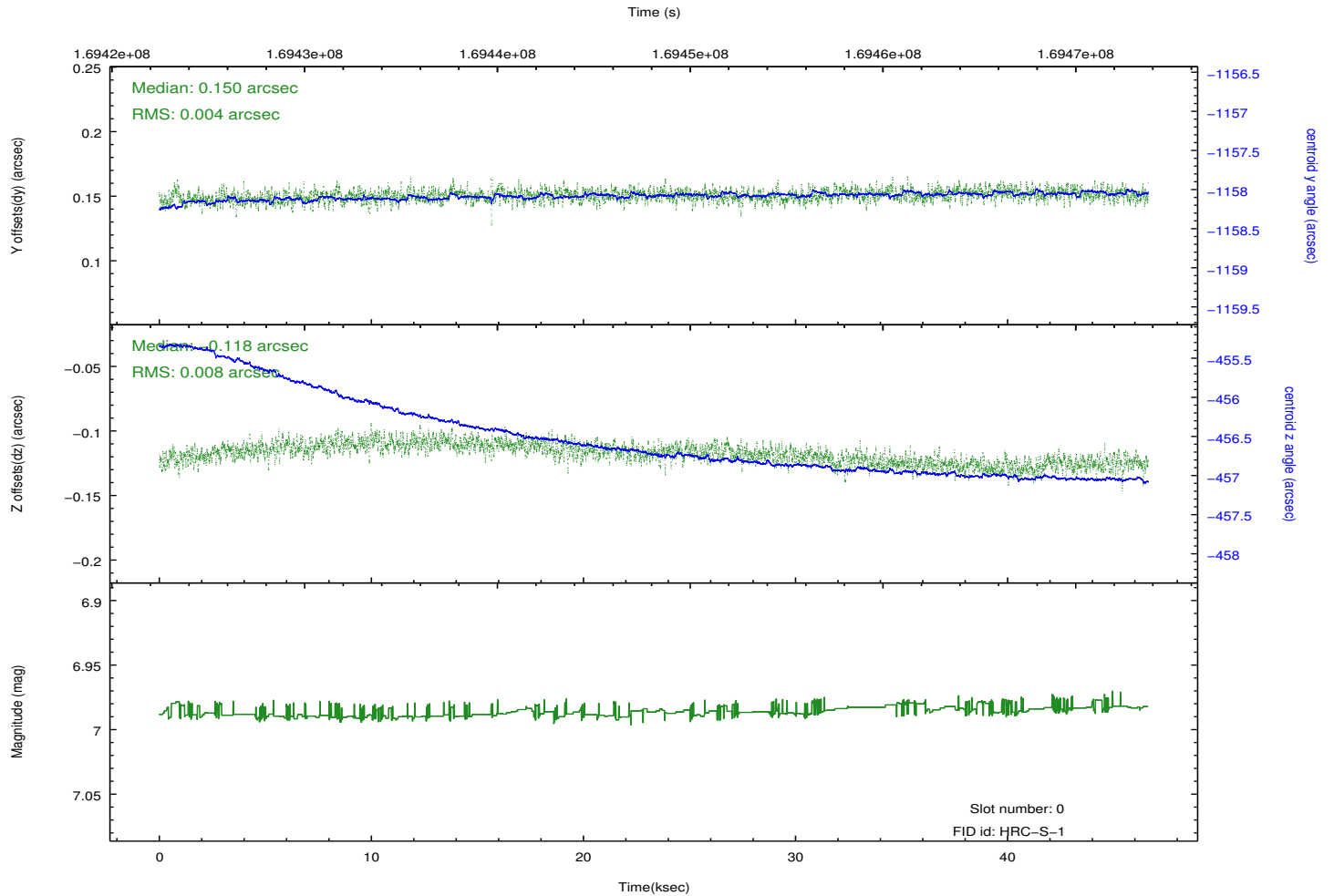
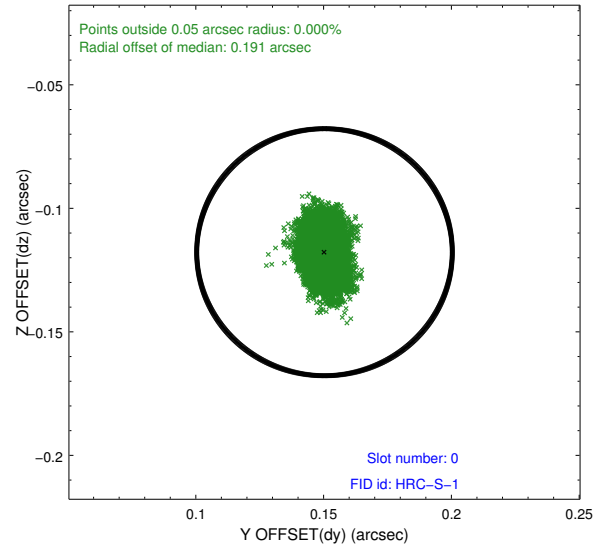
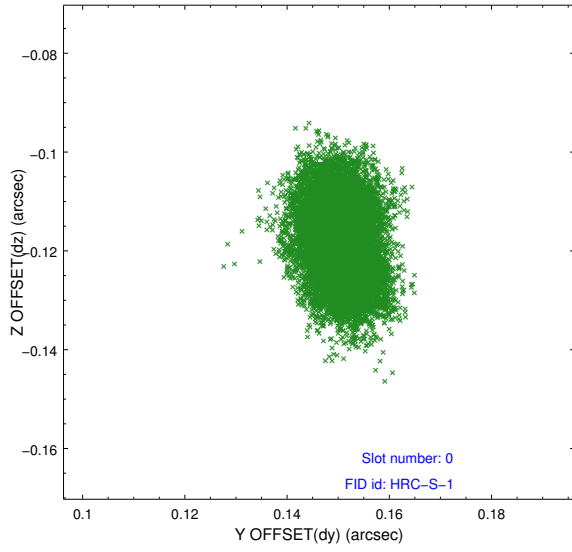


2.4.5 Slot 7

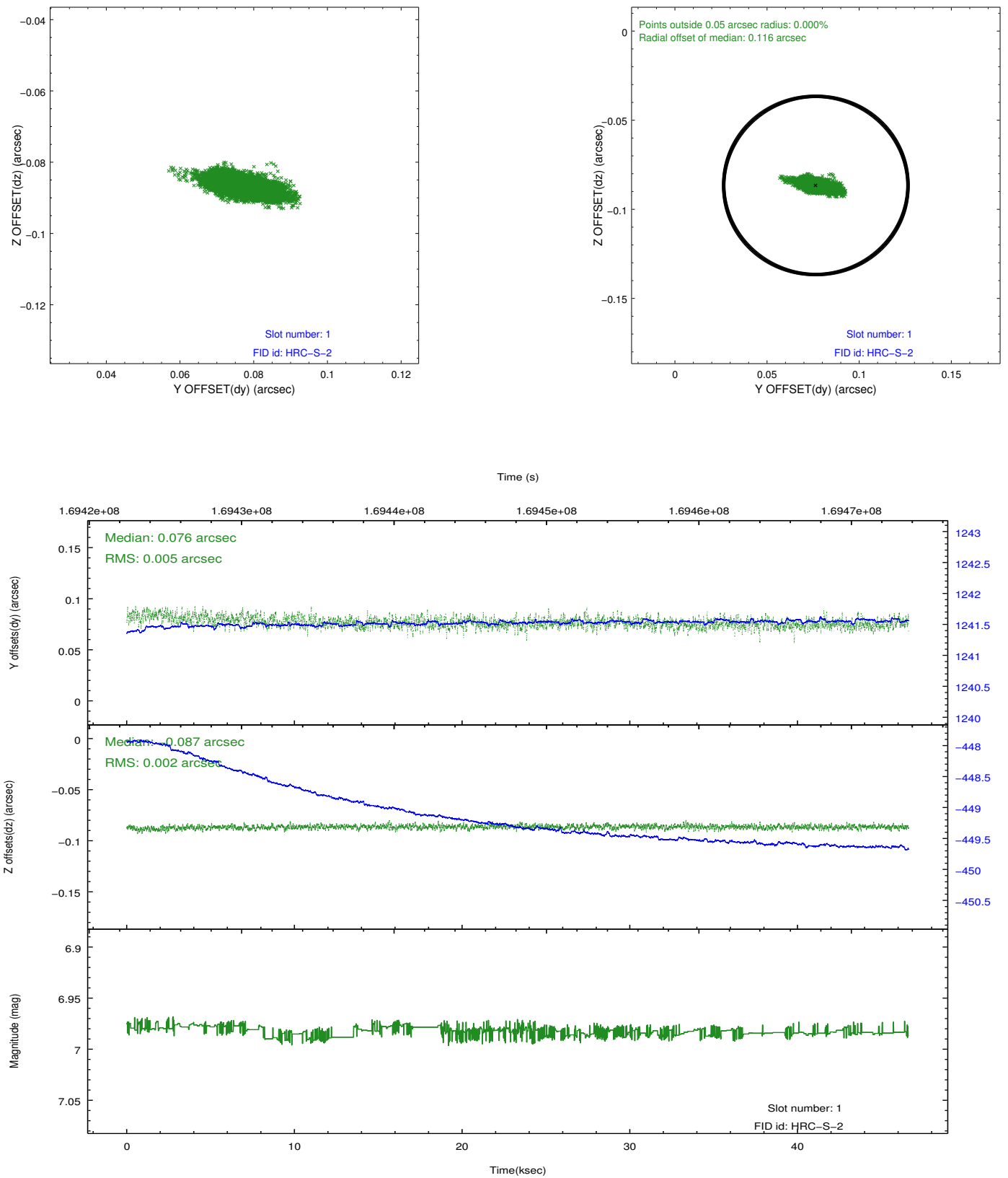


2.5 FID Slots

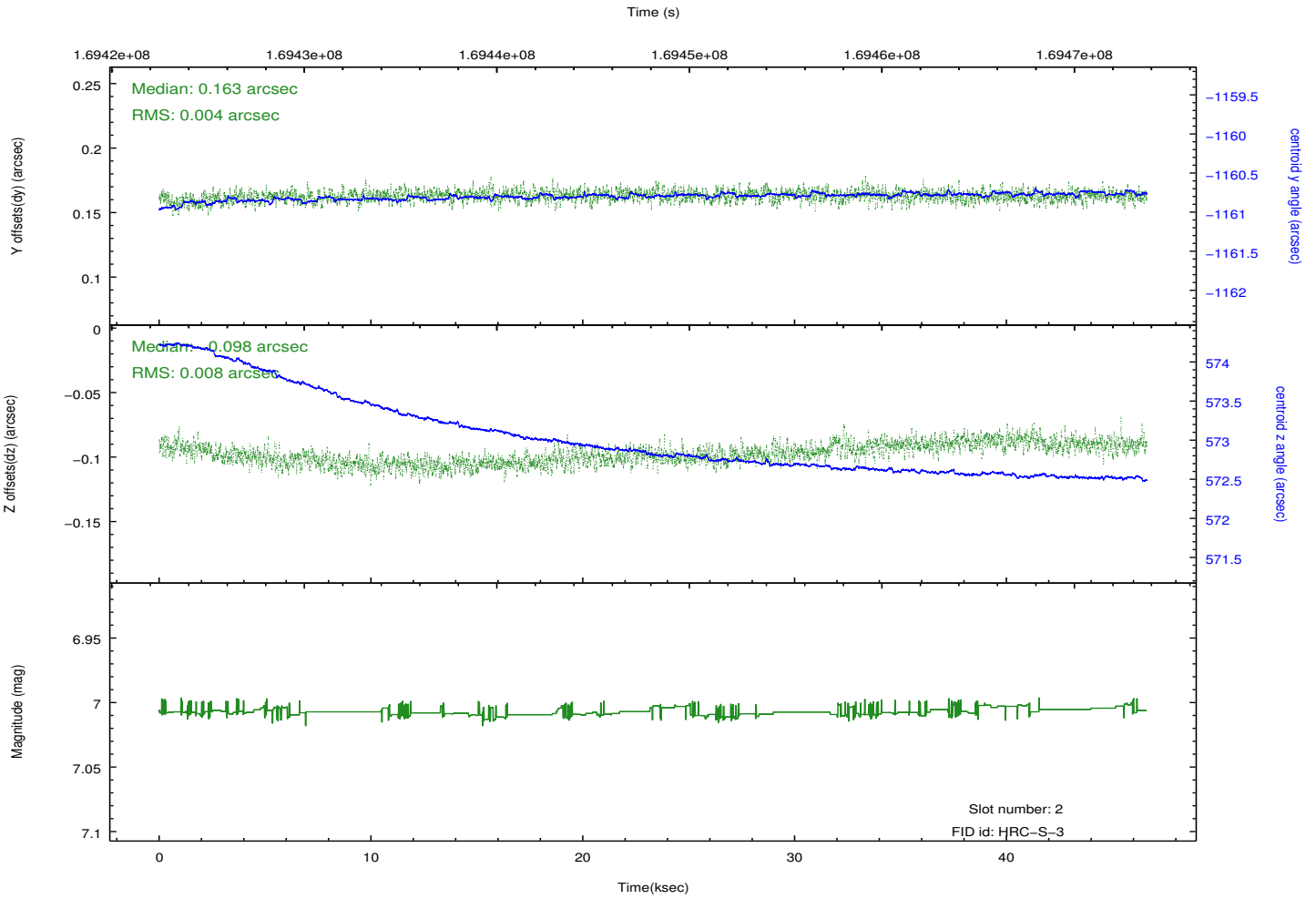
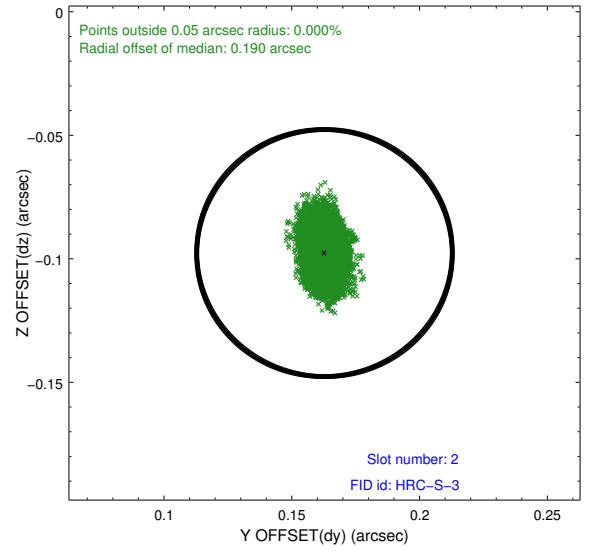
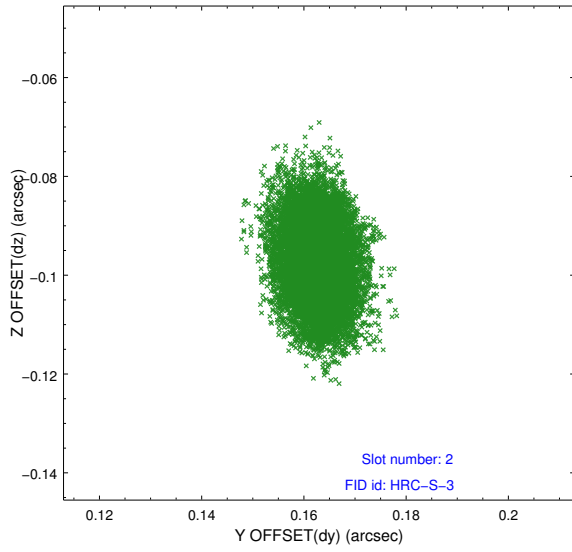
2.5.1 Slot 0



2.5.2 Slot 1

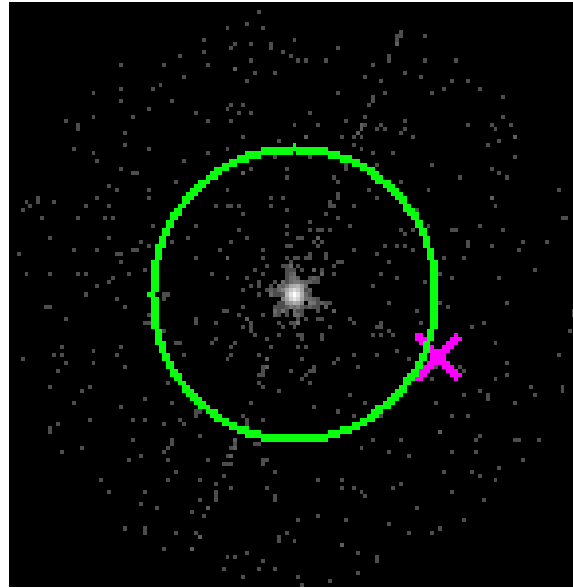


2.5.3 Slot 2



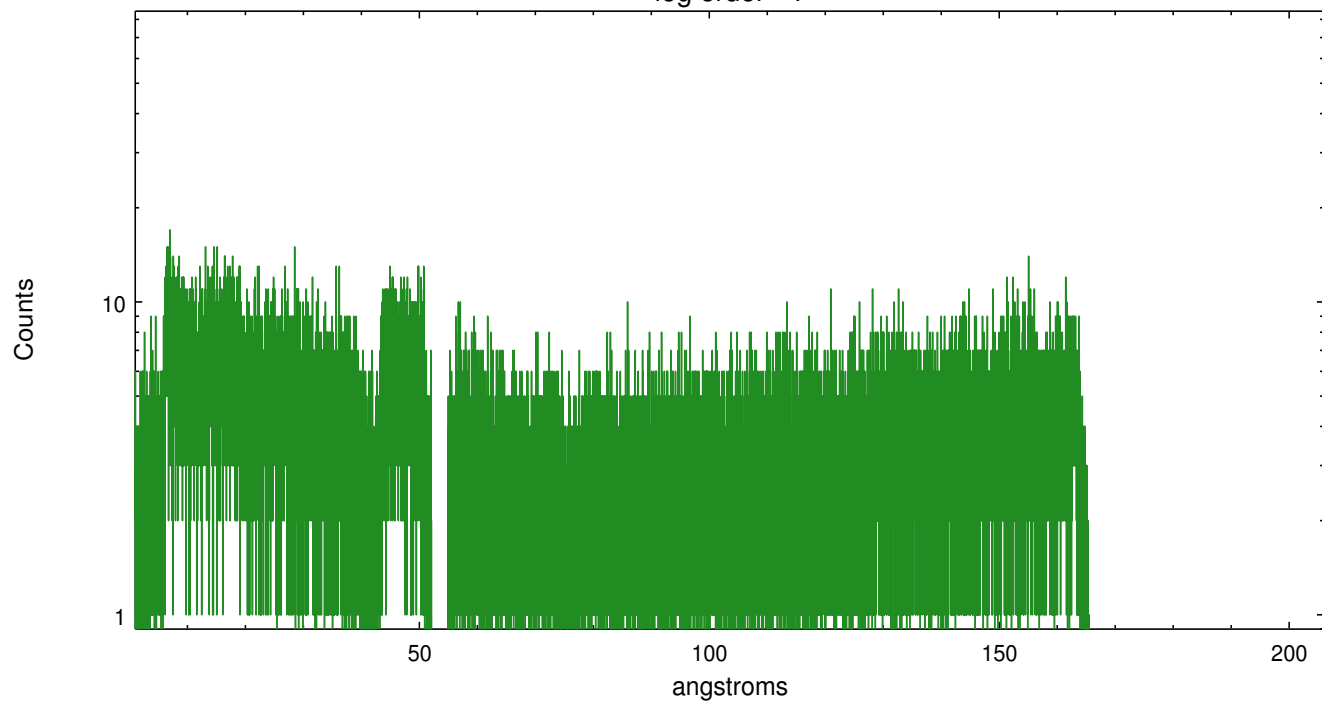
3 Gratings

3.1 LETG Arm

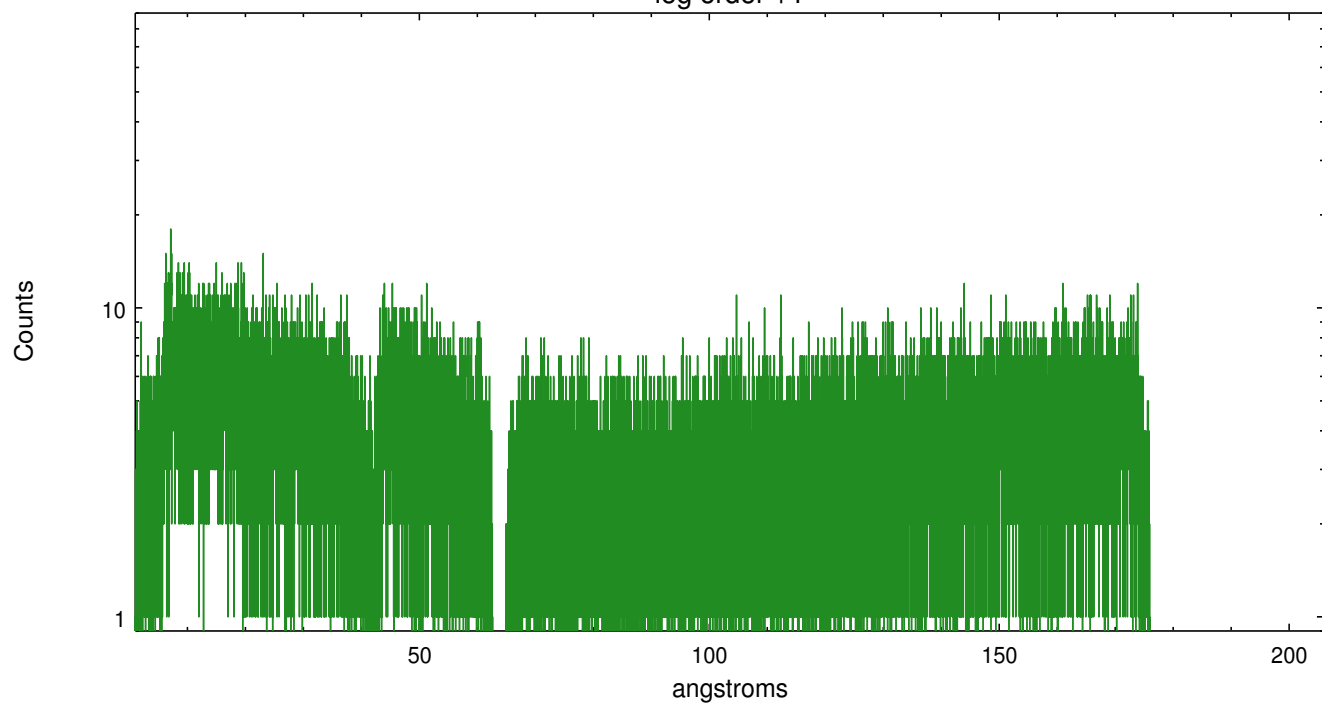


LETG Zero Order

leg order -1



leg order +1



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.11.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	46.353

A.2 Comments