

V&V Reference Report

L2 ASCDS Version : 10.1.1

Observation 15743 - L2 Version 1
Chandra X-Ray Center

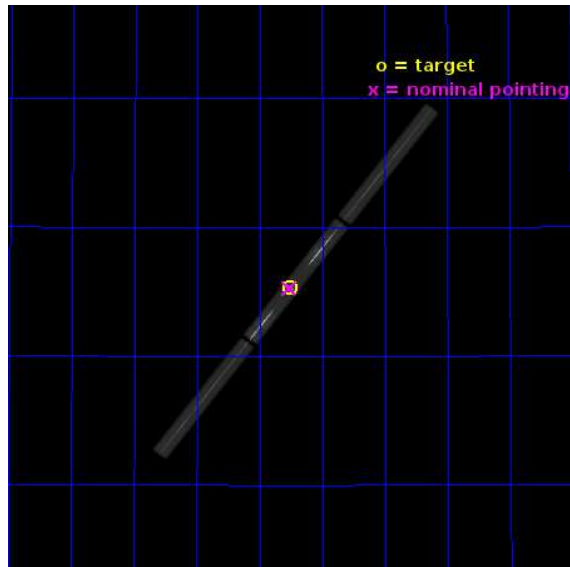
L2 Processing Date : Dec 7 2013

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1 Front

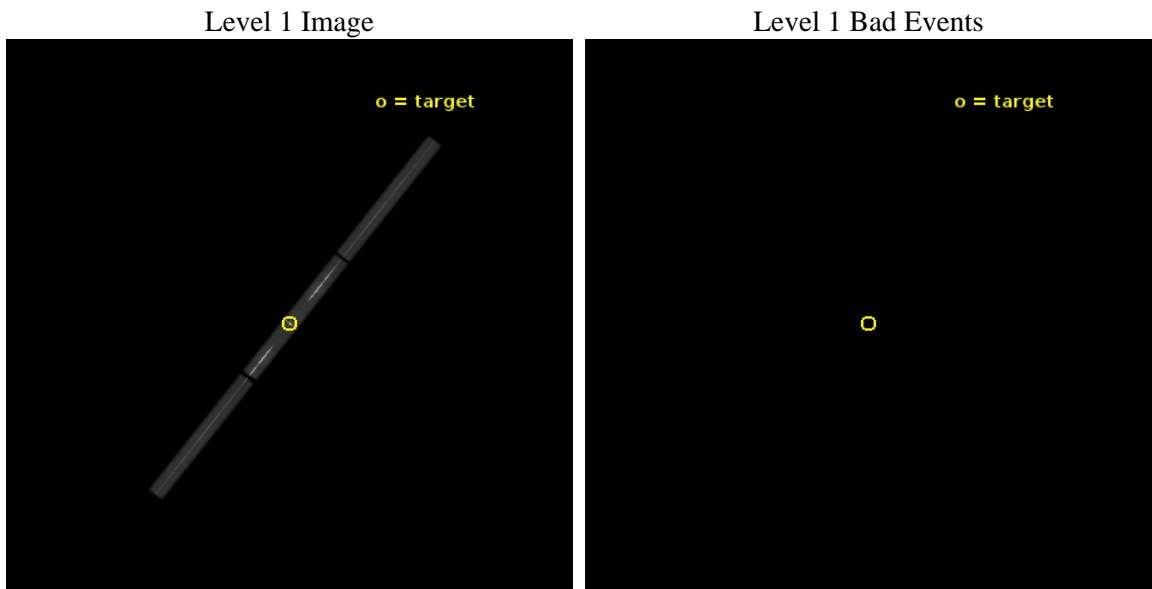
seq_num	300327	Sequence number
obs_id	15743	Observation id
title	Probing mass ejection in novae with high resolution X-ray spectroscopy	Proposal title
observer	Dr Thomas Nelson	Principal investigator
object	A bright nova	Source name
ra_targ	305.878042	Observer's specified target RA [deg]
dec_targ	20.767806	Observer's specified target Dec [deg]
ra_nom	305.88105761402	Nominal RA [deg]
dec_nom	20.763983476727	Nominal Dec [deg]
roll_nom	307.14097210708	Nominal Roll [deg]
revision	1	Processing version of data
ontime	49549.783966959	[s]
livetime	48912.430000131	Ontime multiplied by DTCOR
l2events	7028808	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	49361.000000	[s] Scheduled observation exposure time
ascdsver	10.1.1	Processing system revision	ontime	49549.783966959	[s]
caldsver	4.5.9	 	l1events	8015619	Number of level 1 events
date	2013-12-07T12:11:16	Date and time of file creation	tgmethod	TGDETECT	Method used to create src1a file
revision	1	Processing version of data	zo_pos	(32855.33, 32873.09)	src1a sky pixel position

2.1.3 Events

Level 1 Events

	segment 1	segment 2	segment 3
level 1 events	1336077	5320583	1358959
rejected events	25822	37450	26876
rejected %	1%	0%	1%

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	305.852211	305.8810576140206			
[deg] Pointing Dec	20.773776	20.76398347672723			
[deg] Pointing Roll	307.083870	307.140972107081			
[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)	502720636.184000	502719382.13561			
Observation start date	2013-12-06T12:36:09	2013-12-06T12:16:22			
[s] Observation end time (MET)	502769997.184000	502770884.28844			
Observation end date	2013-12-07T02:18:50	2013-12-07T02:34:44			

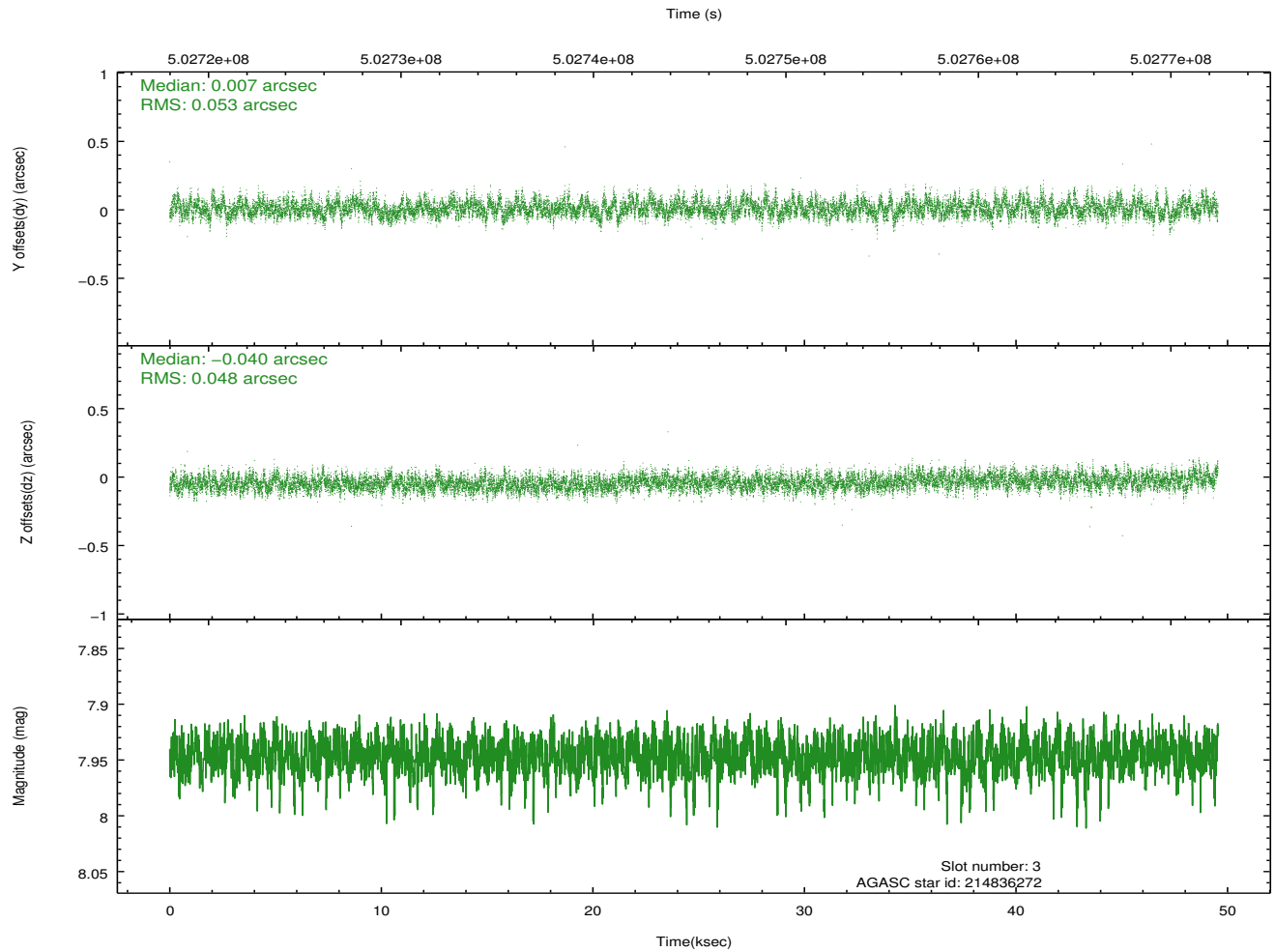
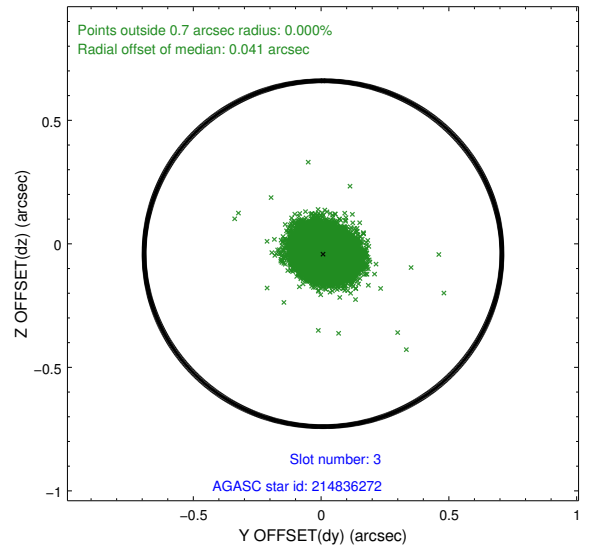
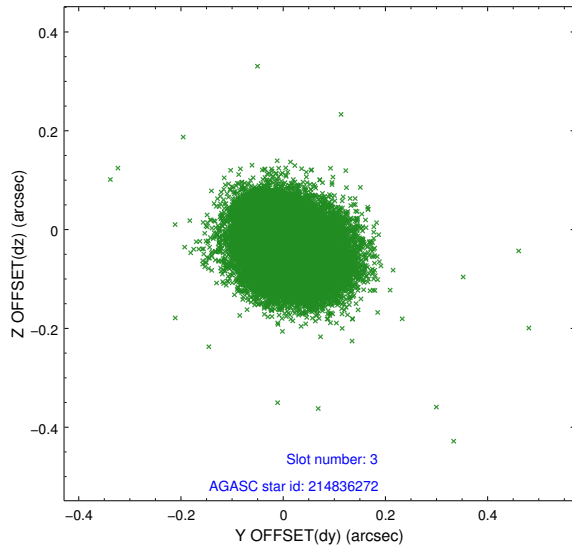
2.3 Aspect

Slot Statistics

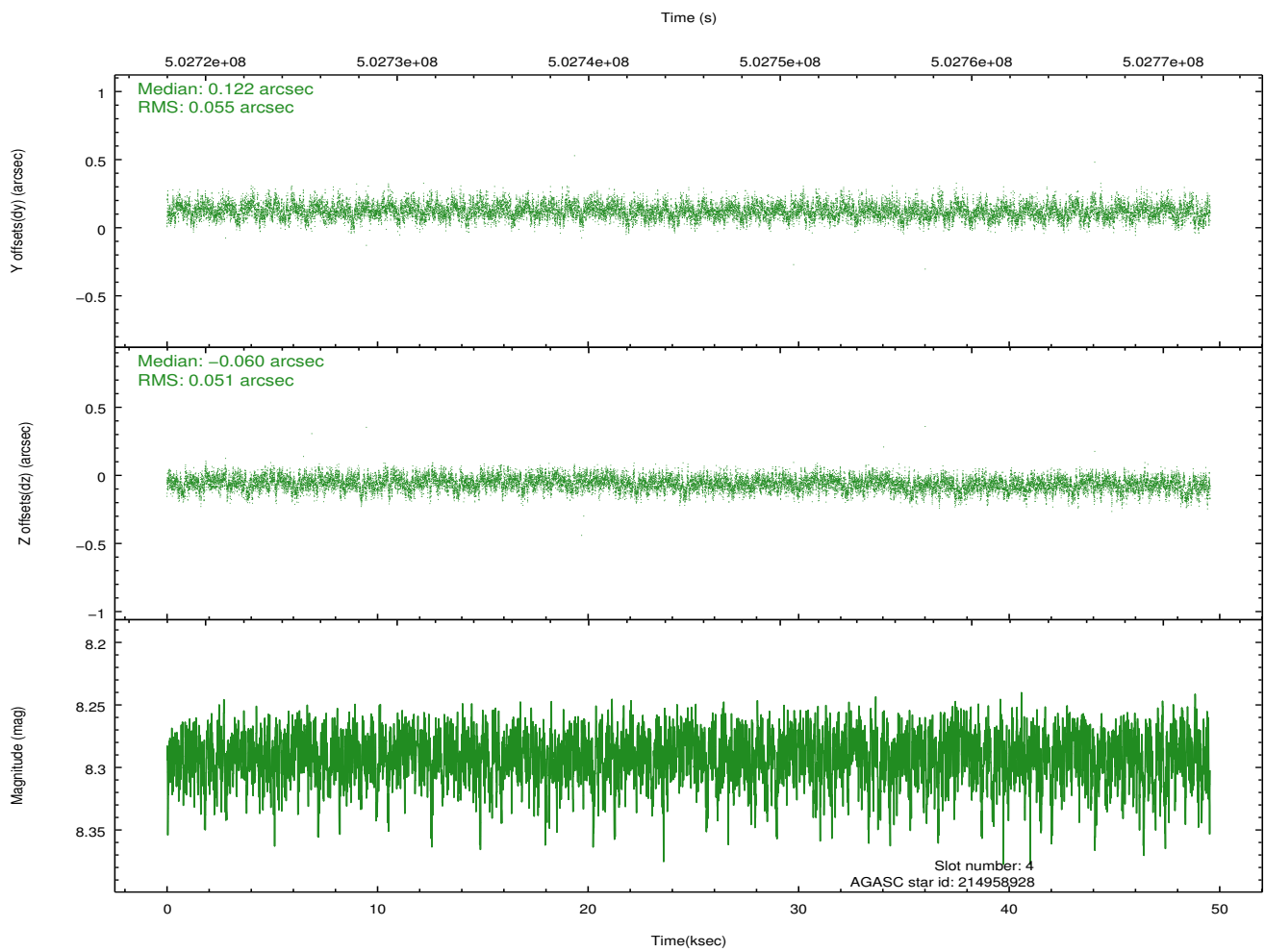
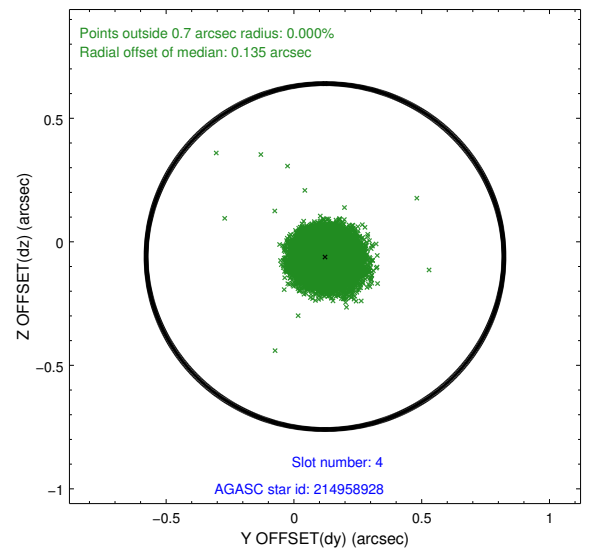
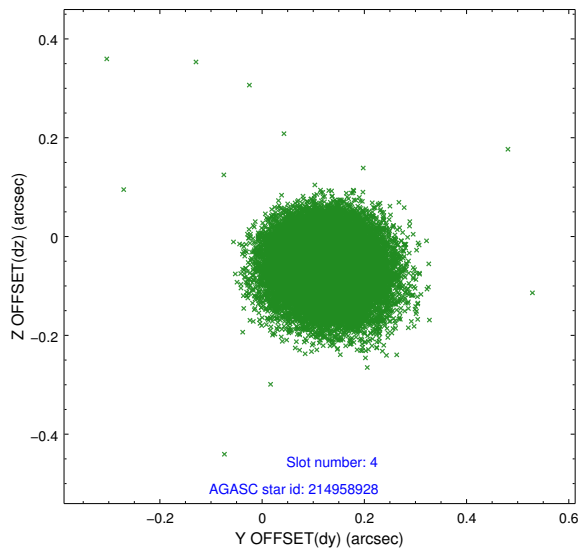
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.05	12086	-0.086	-0.175	0.013	0.030	0.000000	0.000000	-1177.83	-469.63
1	FID	HRC-S-2	7.03	12086	0.195	-0.140	0.031	0.057	0.000000	0.000000	1222.03	-462.21
2	FID	HRC-S-4	6.99	12084	0.303	0.002	0.032	0.057	0.000000	0.000000	1220.89	562.66
3	GUIDE	214836272	7.95	24165	0.007	-0.040	0.076	0.122	305.520357	20.358881	516.18	-1793.51
4	GUIDE	214958928	8.29	24170	0.122	-0.060	0.080	0.129	306.505103	20.582194	1873.84	1342.36
5	GUIDE	215497480	8.54	24161	-0.012	0.173	0.077	0.138	306.153937	21.105146	-341.15	1528.35
6	GUIDE	215499808	8.40	24162	-0.237	0.103	0.073	0.115	306.327211	20.993933	328.39	1753.06
7	GUIDE	214834480	7.25	24166	0.121	-0.174	0.096	0.180	305.687564	19.849996	2317.39	-2451.11

2.4 Star Slots

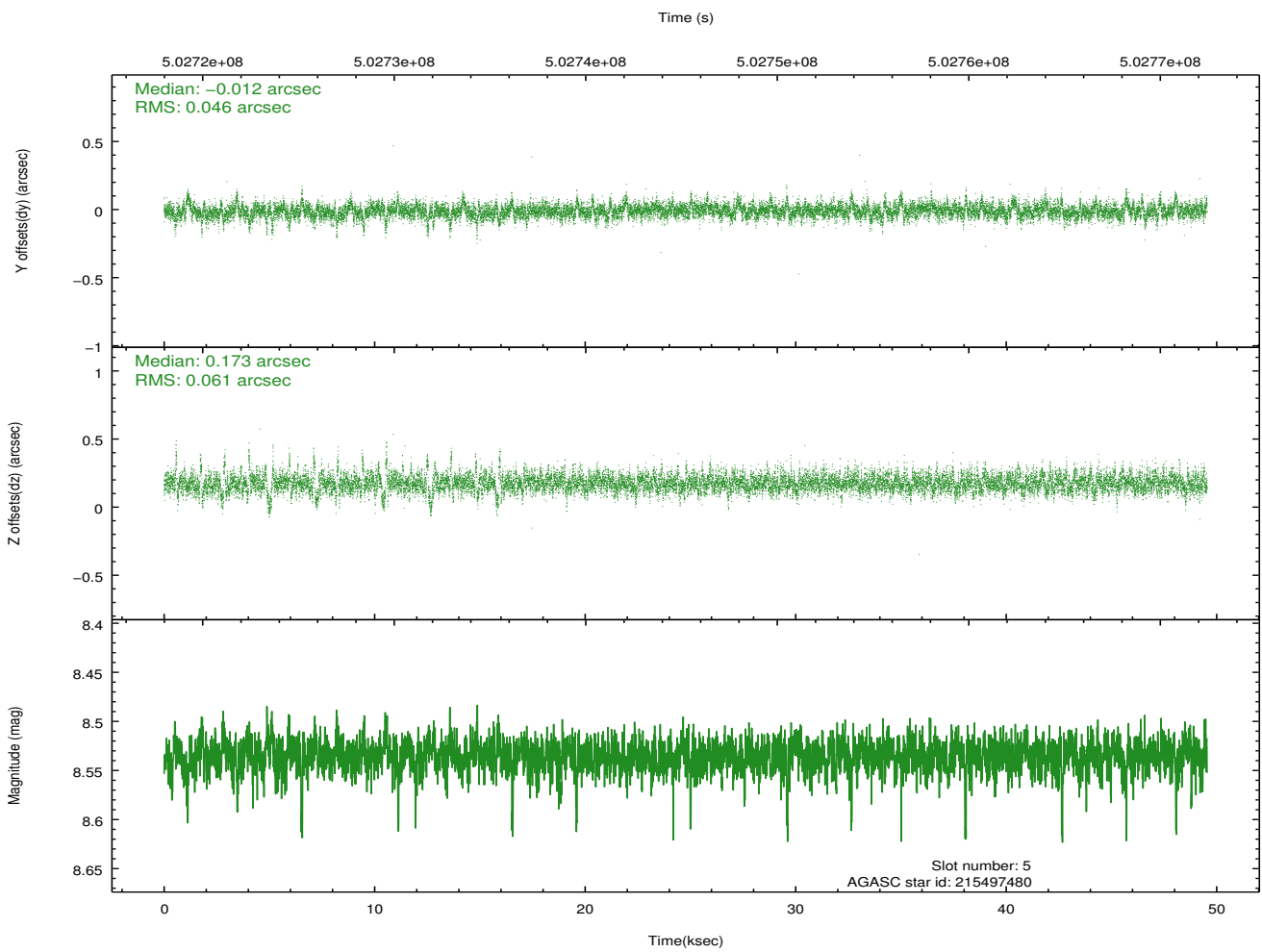
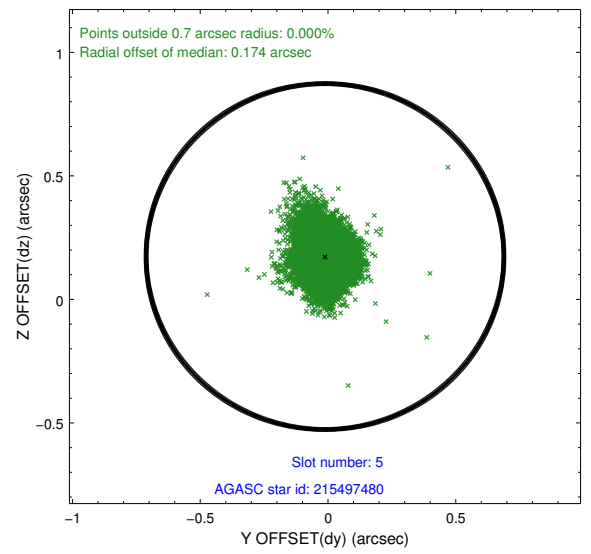
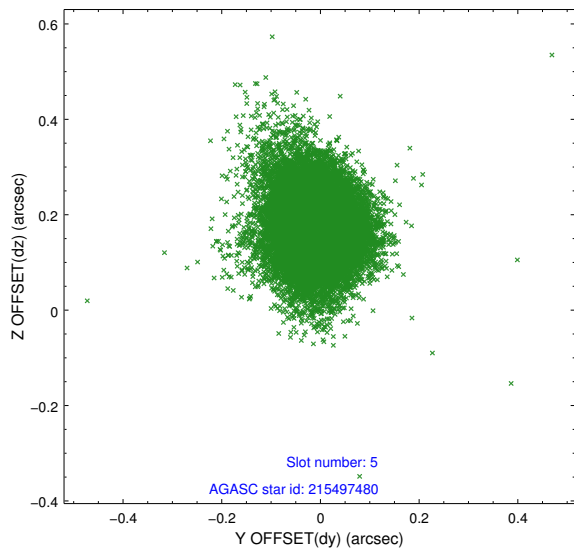
2.4.1 Slot 3



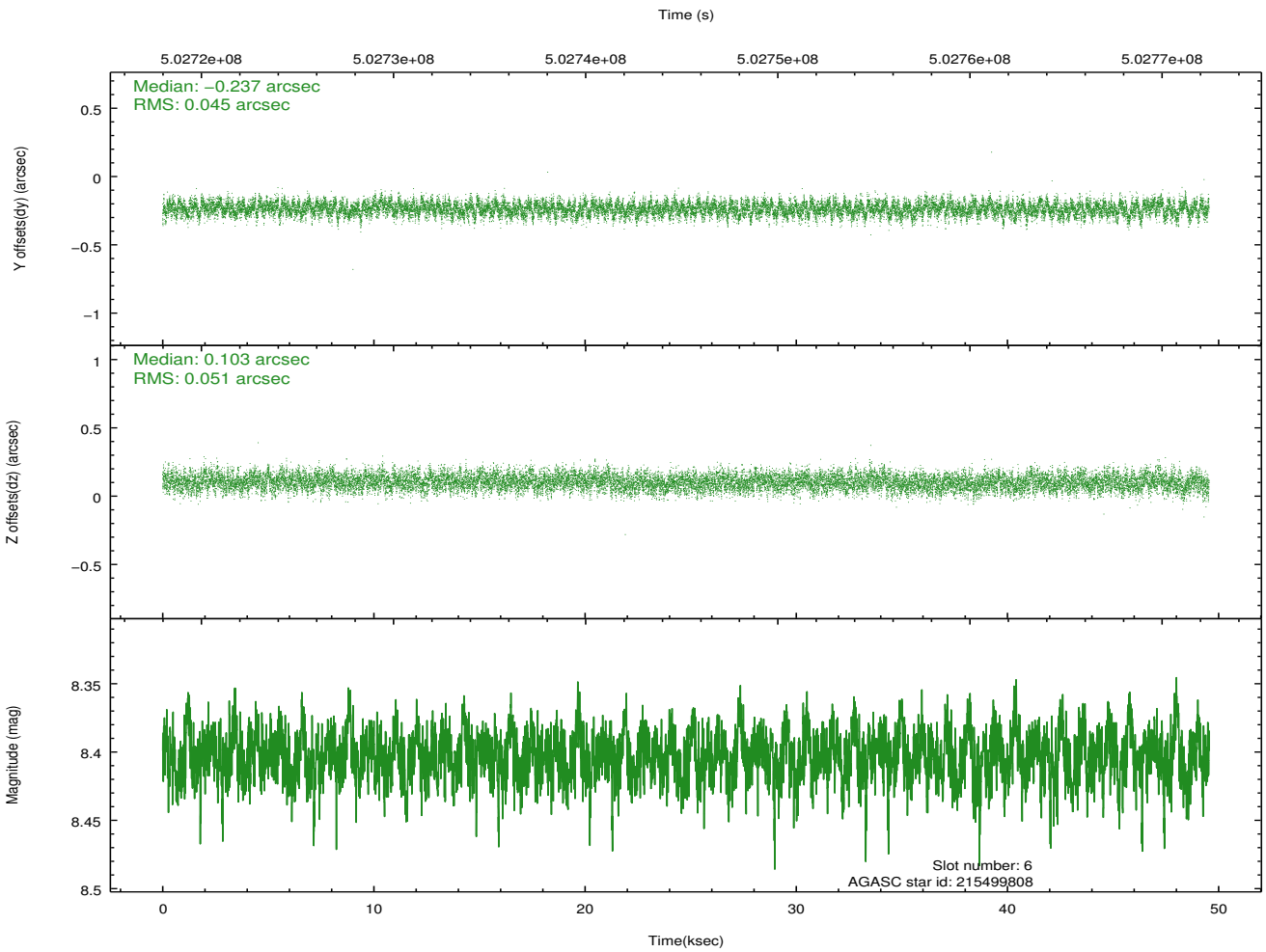
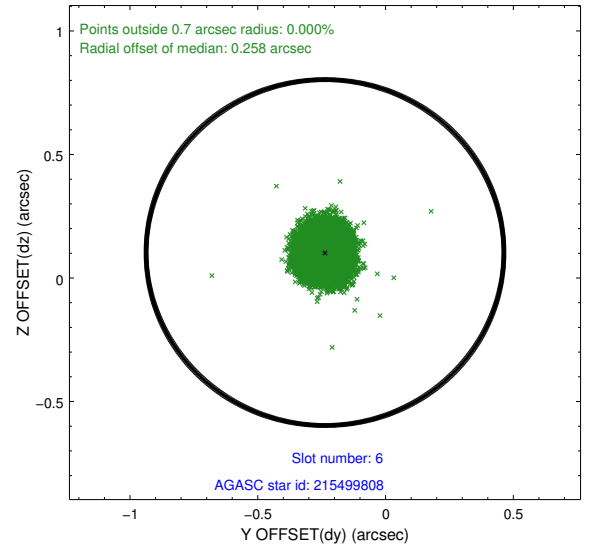
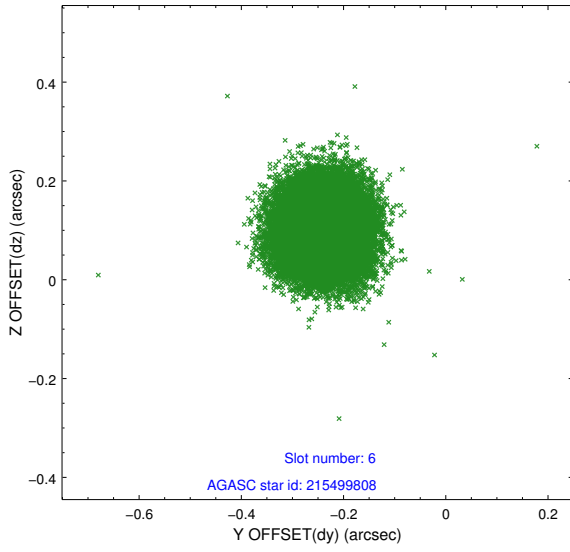
2.4.2 Slot 4



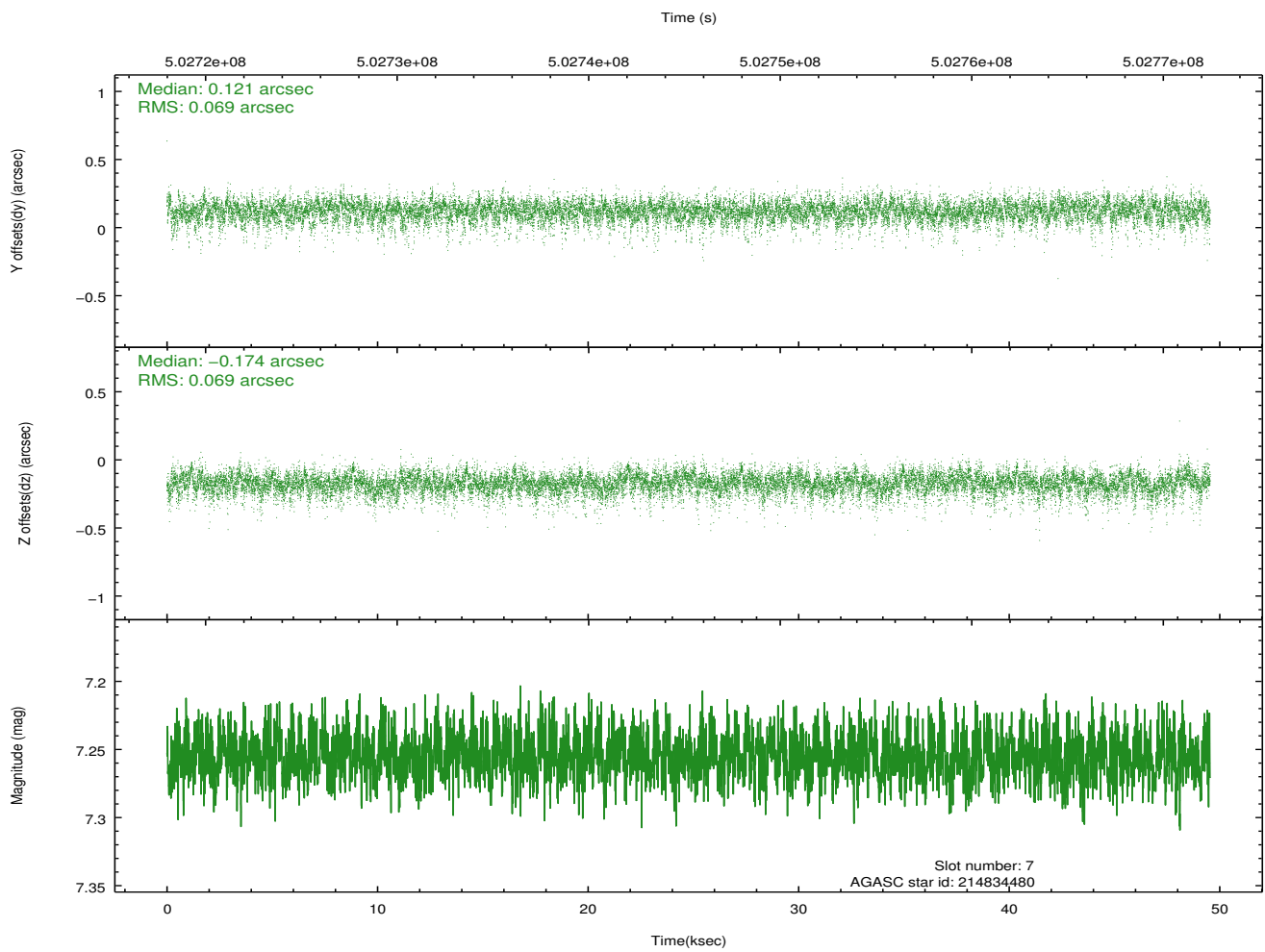
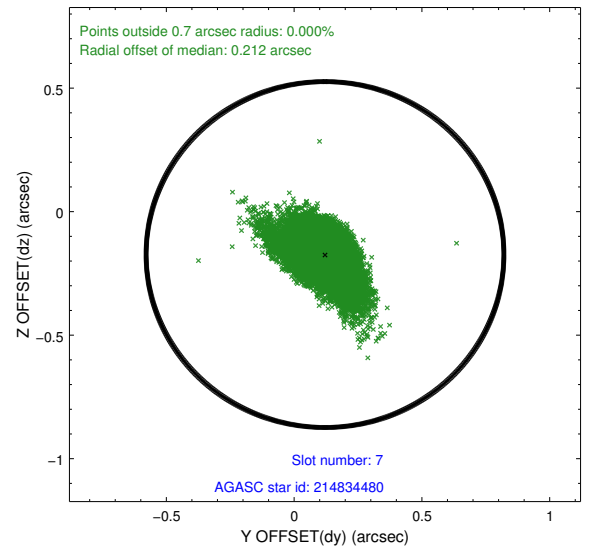
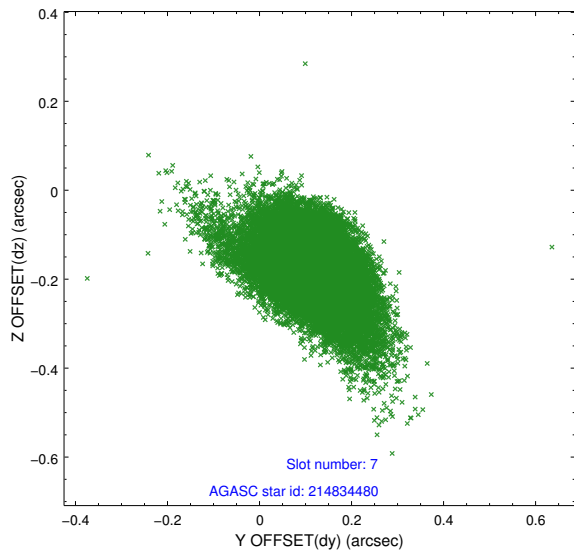
2.4.3 Slot 5



2.4.4 Slot 6

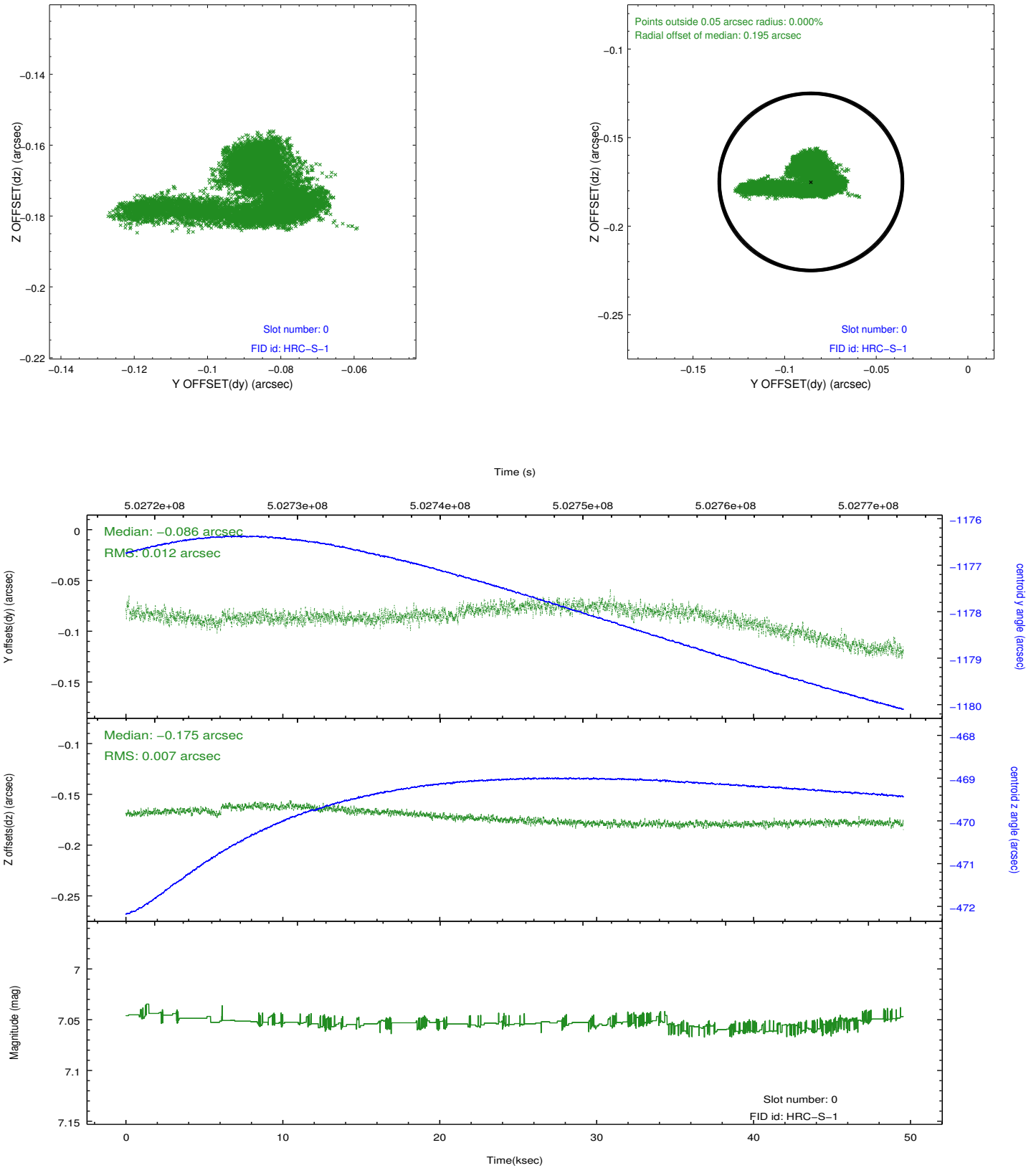


2.4.5 Slot 7

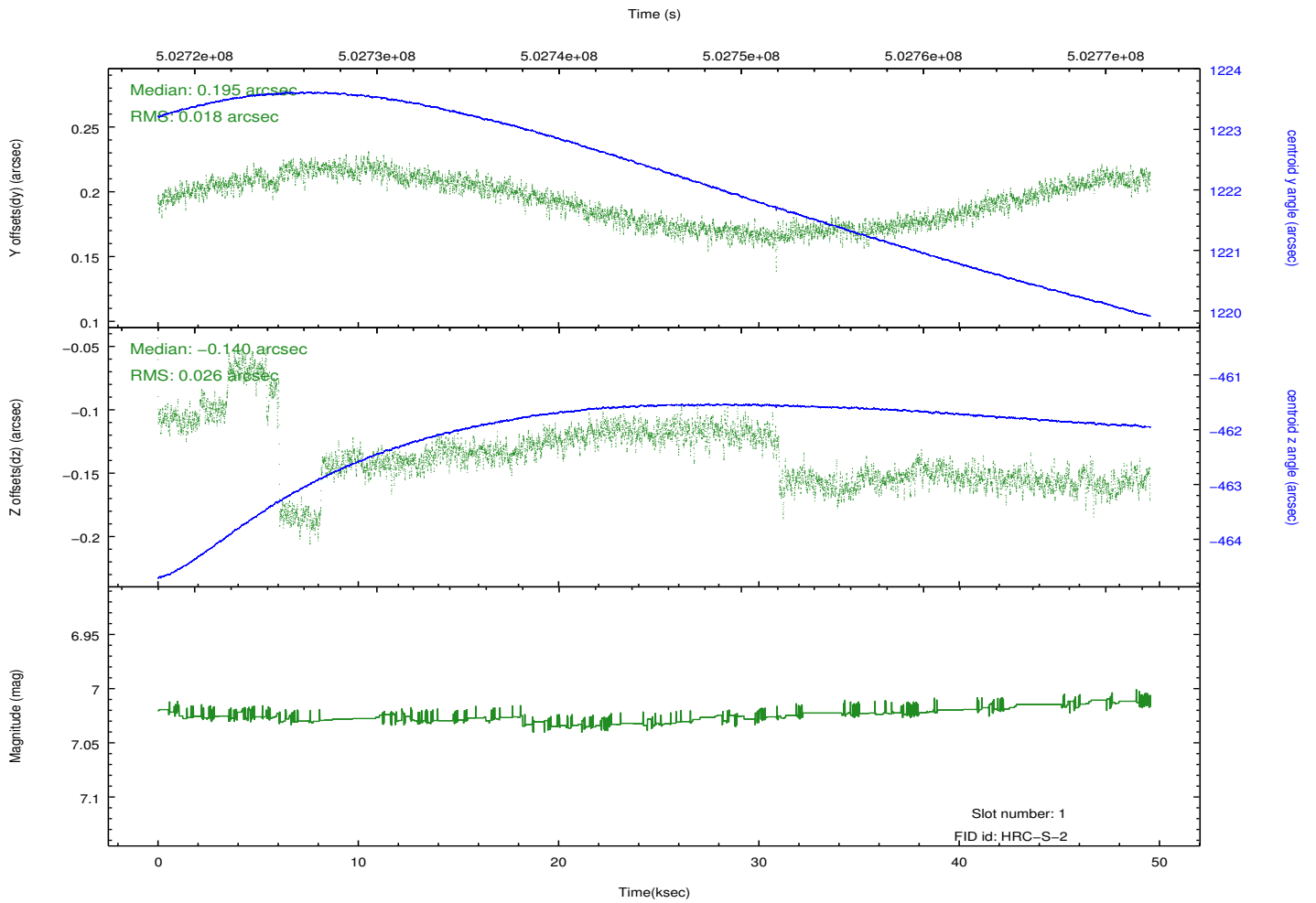
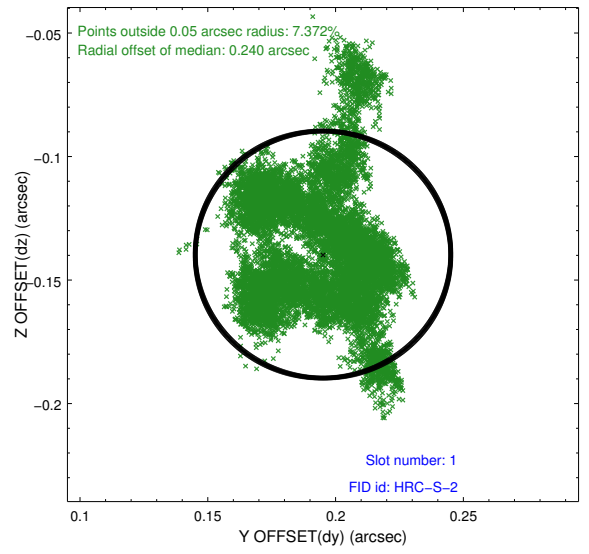
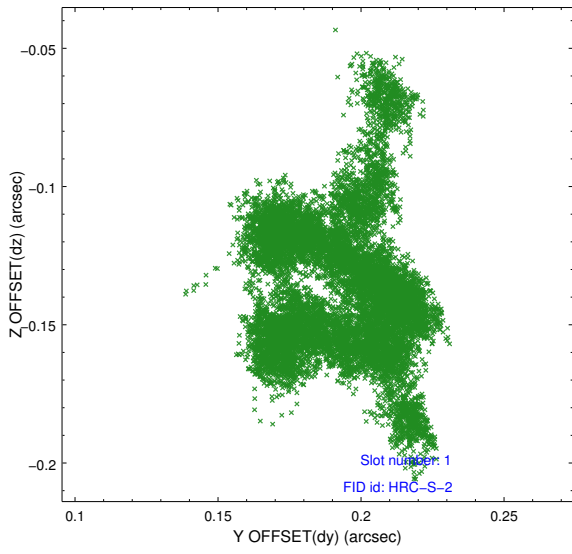


2.5 FID Slots

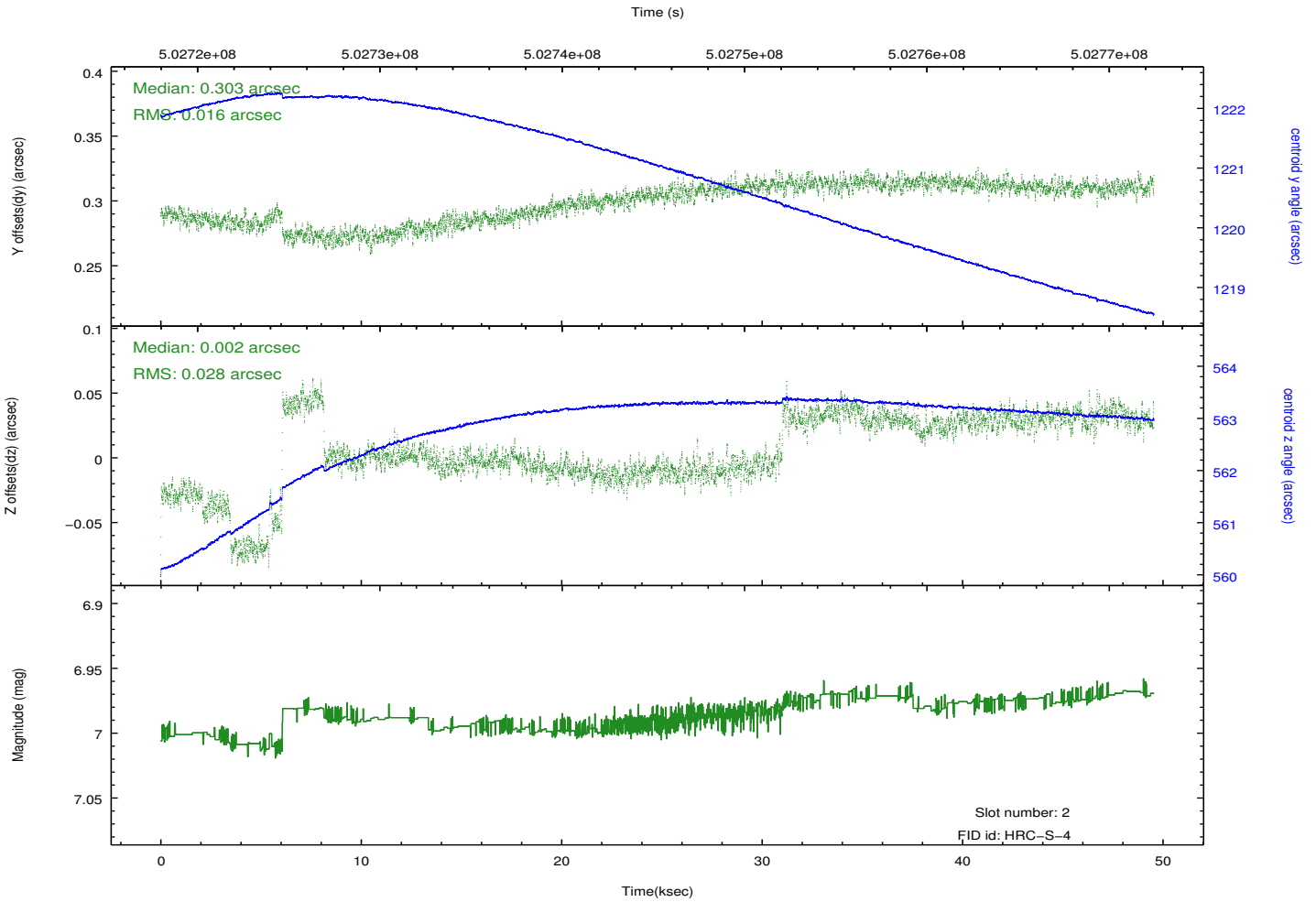
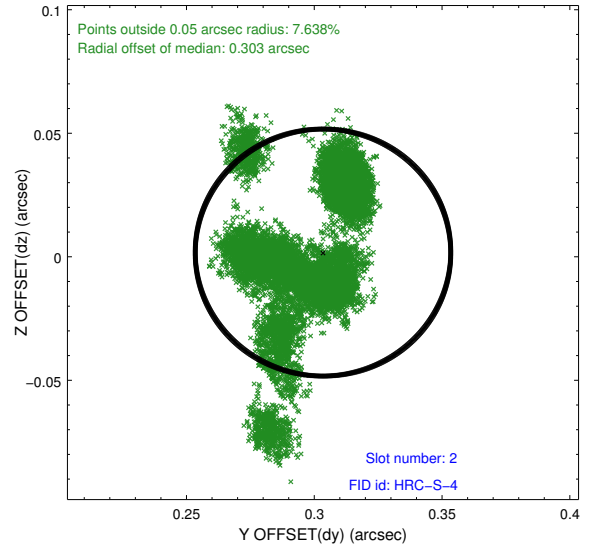
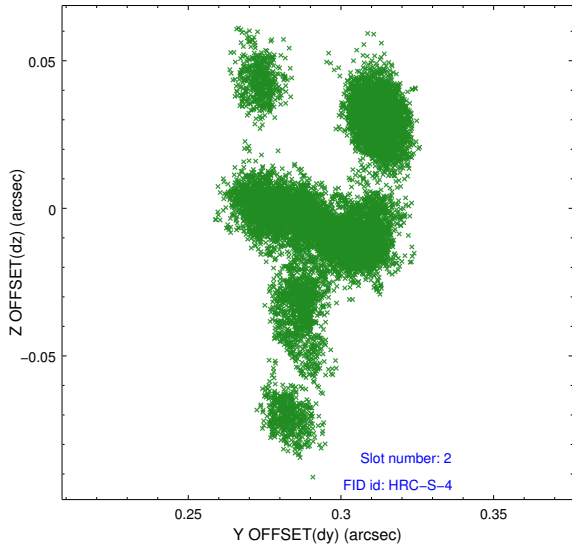
2.5.1 Slot 0



2.5.2 Slot 1

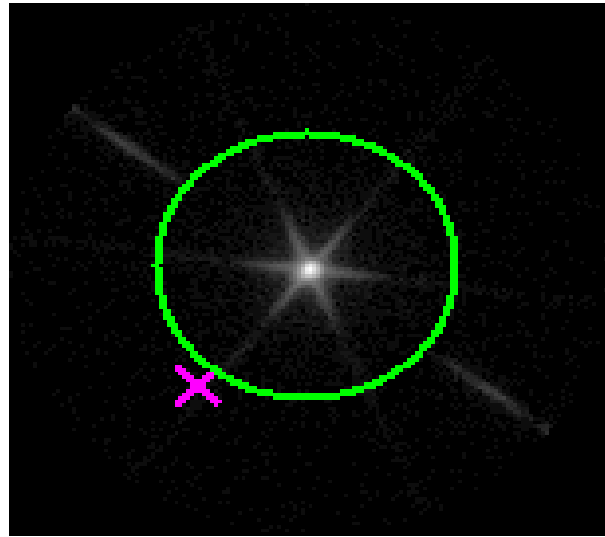


2.5.3 Slot 2

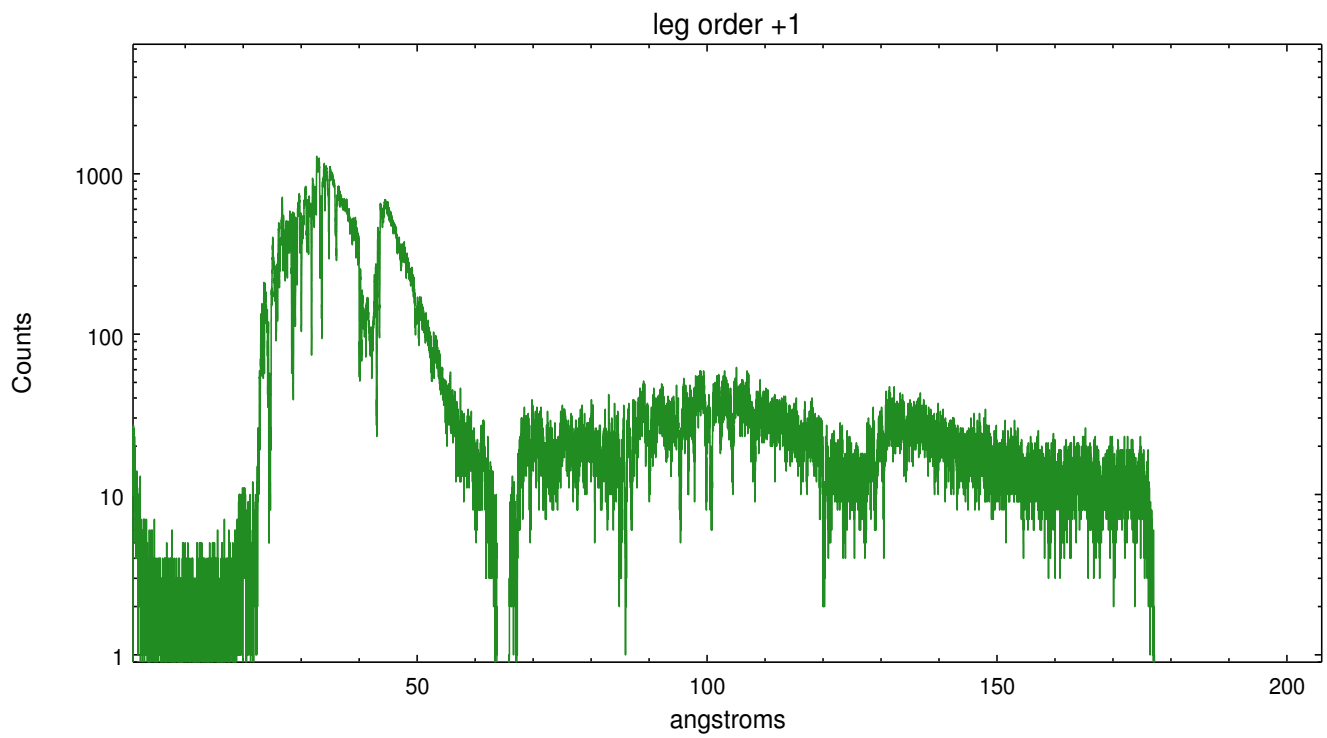
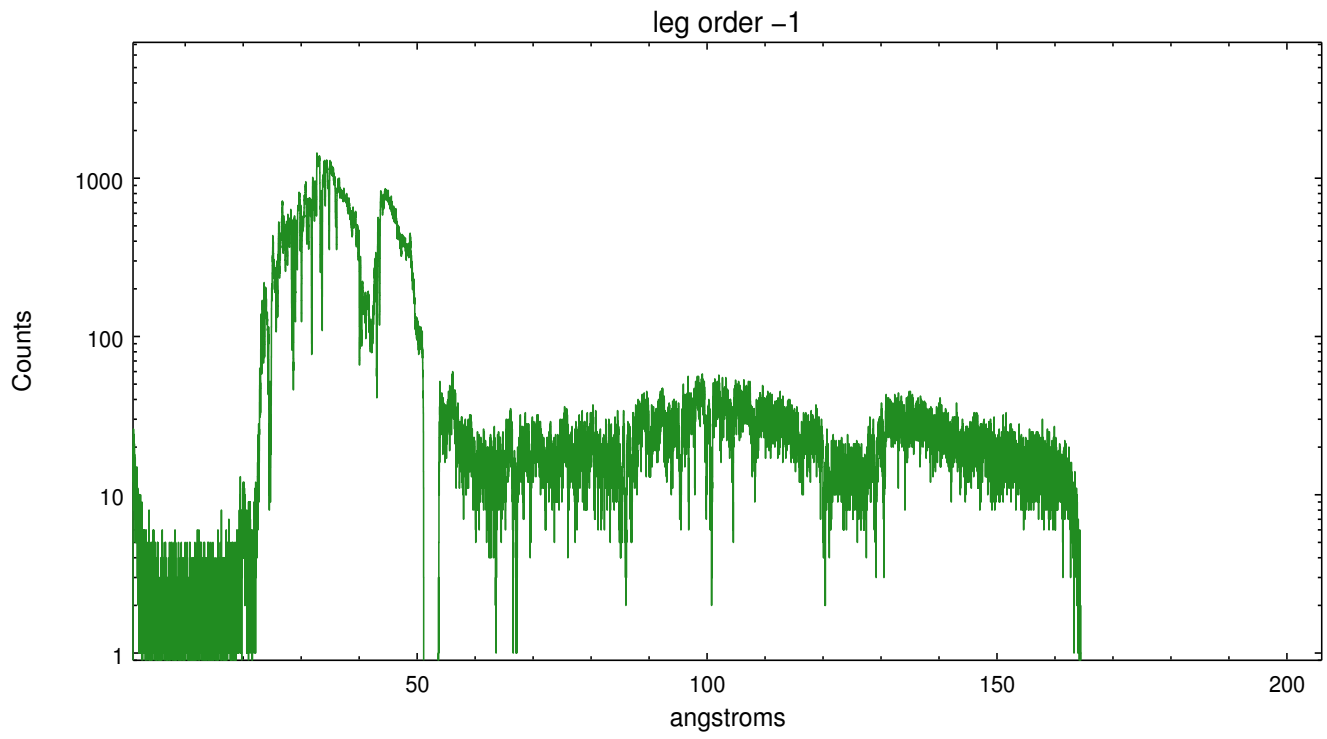


3 Gratings

3.1 LETG Arm



LETG Zero Order



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.12.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	49.549783966959

A.2 Comments