

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12203 - L2 Version 2
Chandra X-Ray Center

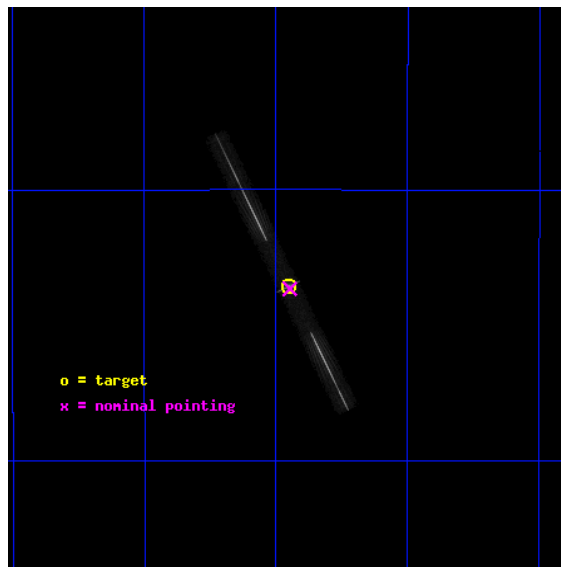
L2 Processing Date : Jun 27 2012

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1 Front

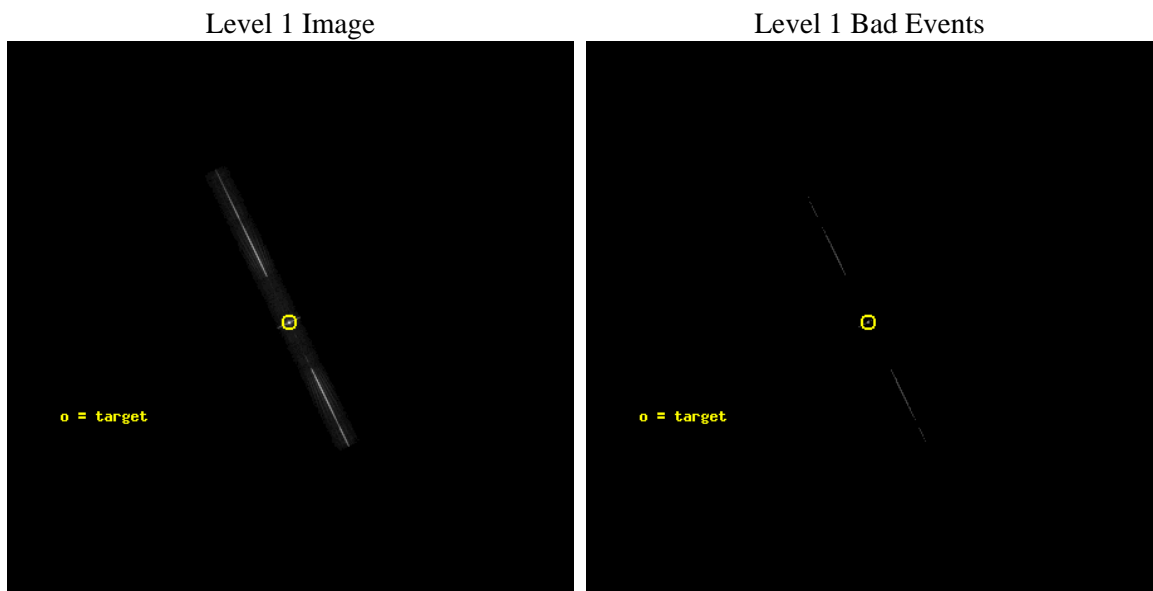
seq_num	300283	Sequence number
obs_id	12203	Observation id
title	The maturing of the remarkable supersoft source KT Eri	Proposal ti
observer	Dr. Jeremy Drake	Principal investigator
object	KT Eri	Source name
ra_targ	71.975833	Observer's specified target RA [deg]
dec_targ	-10.178639	Observer's specified target Dec [deg]
ra_nom	71.97354790468	Nominal RA [deg]
dec_nom	-10.182794304269	Nominal Dec [deg]
roll_nom	243.94662208794	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5181.6315134168	[s]
livetime	3206.0563907697	Ontime multiplied by DTCOR
l2events	931438	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	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5181.6315134168	[s]
caldsver	4.5.0	 	l1events	1005859	Number of level 1 events
date	2012-06-27T19:39:50	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

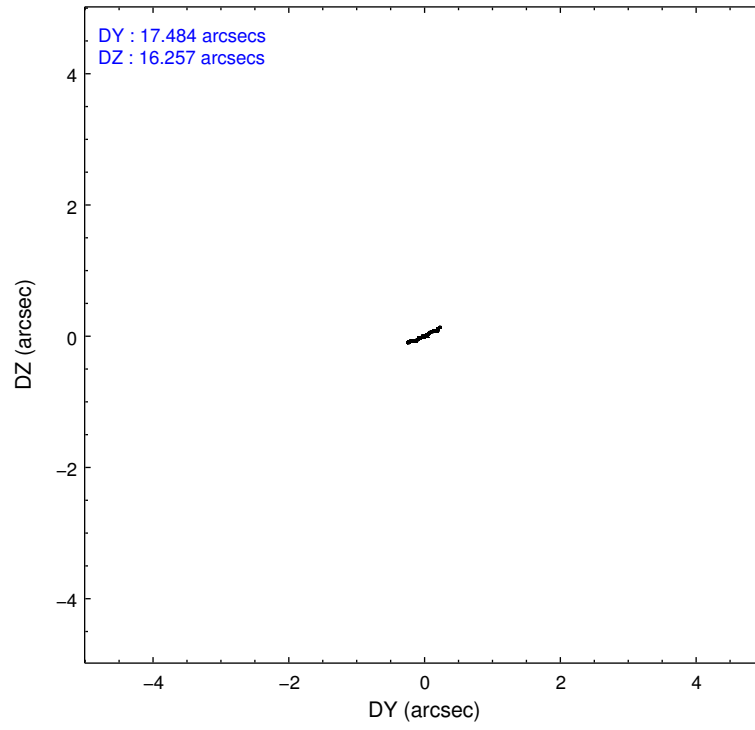
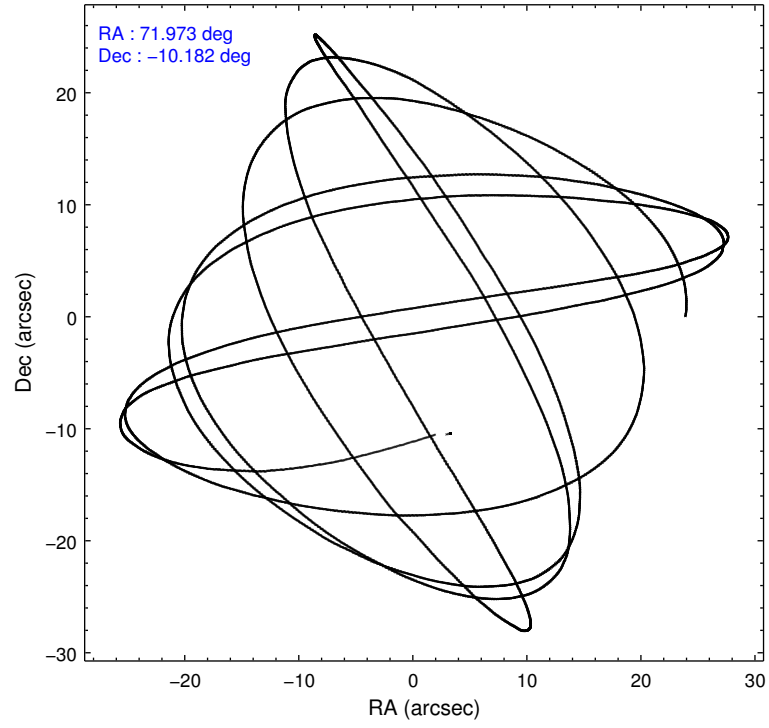
	segment 1	segment 2	segment 3
level 1 events	1	1005858	0
rejected events	1	50419	0
rejected %	100%	5%	0%

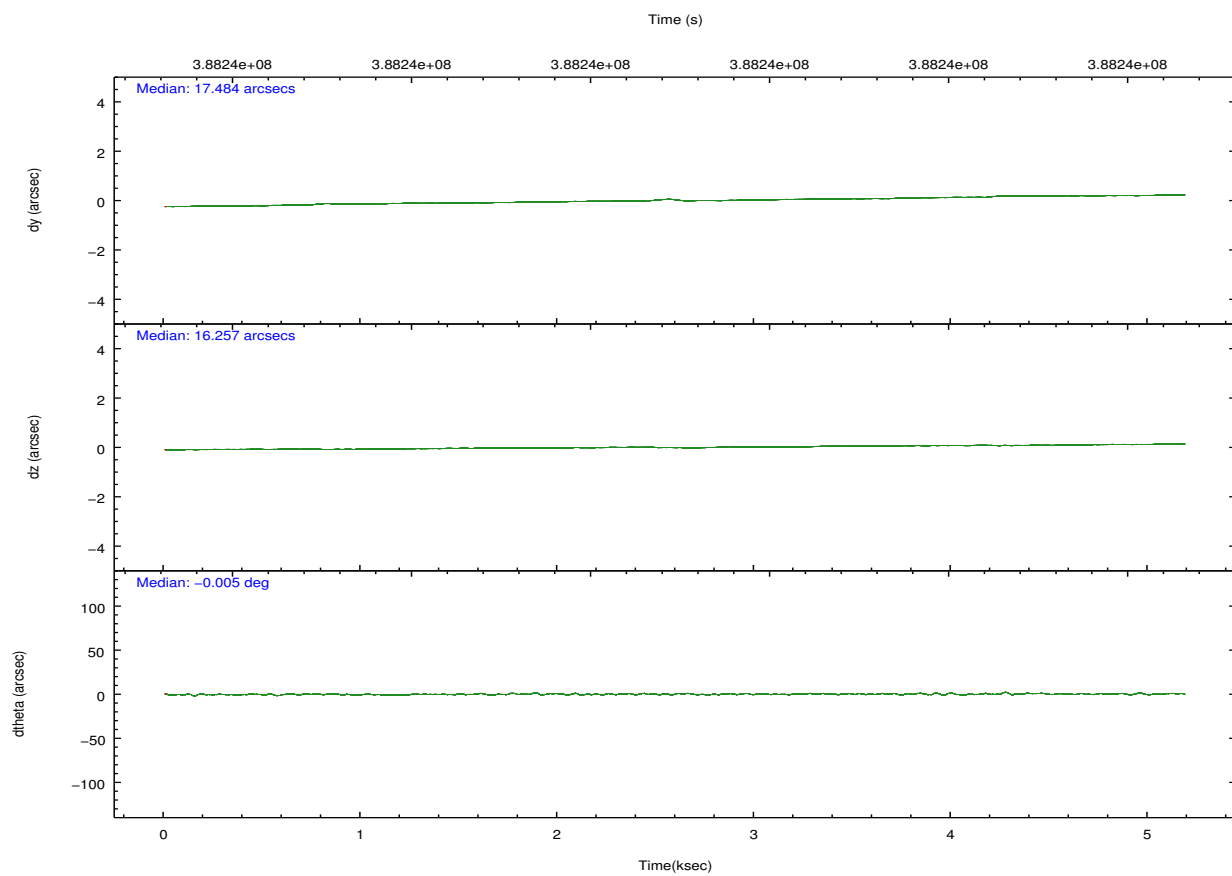
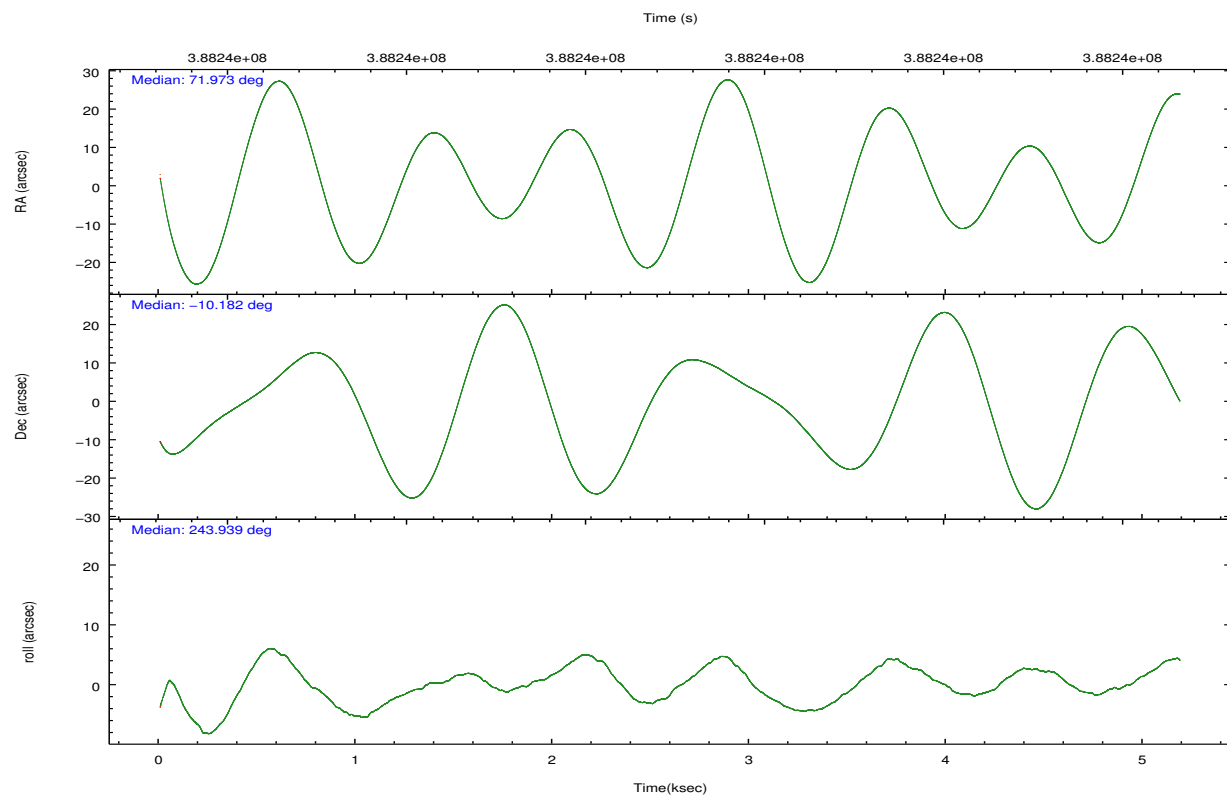
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	LETG	LETG
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	71.970193	71.97354790467978
[deg] Pointing Dec	-10.154380	-10.18279430426892
[deg] Pointing Roll	243.878709	243.9466220879436
[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)	388235074.184000	388233969.6706
Observation start date	2010-04-21T11:03:28	2010-04-21T10:46:09
[s] Observation end time (MET)	388240074.184000	388241141.59596
Observation end date	2010-04-21T12:26:48	2010-04-21T12:45:41

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

2.3 Aspect



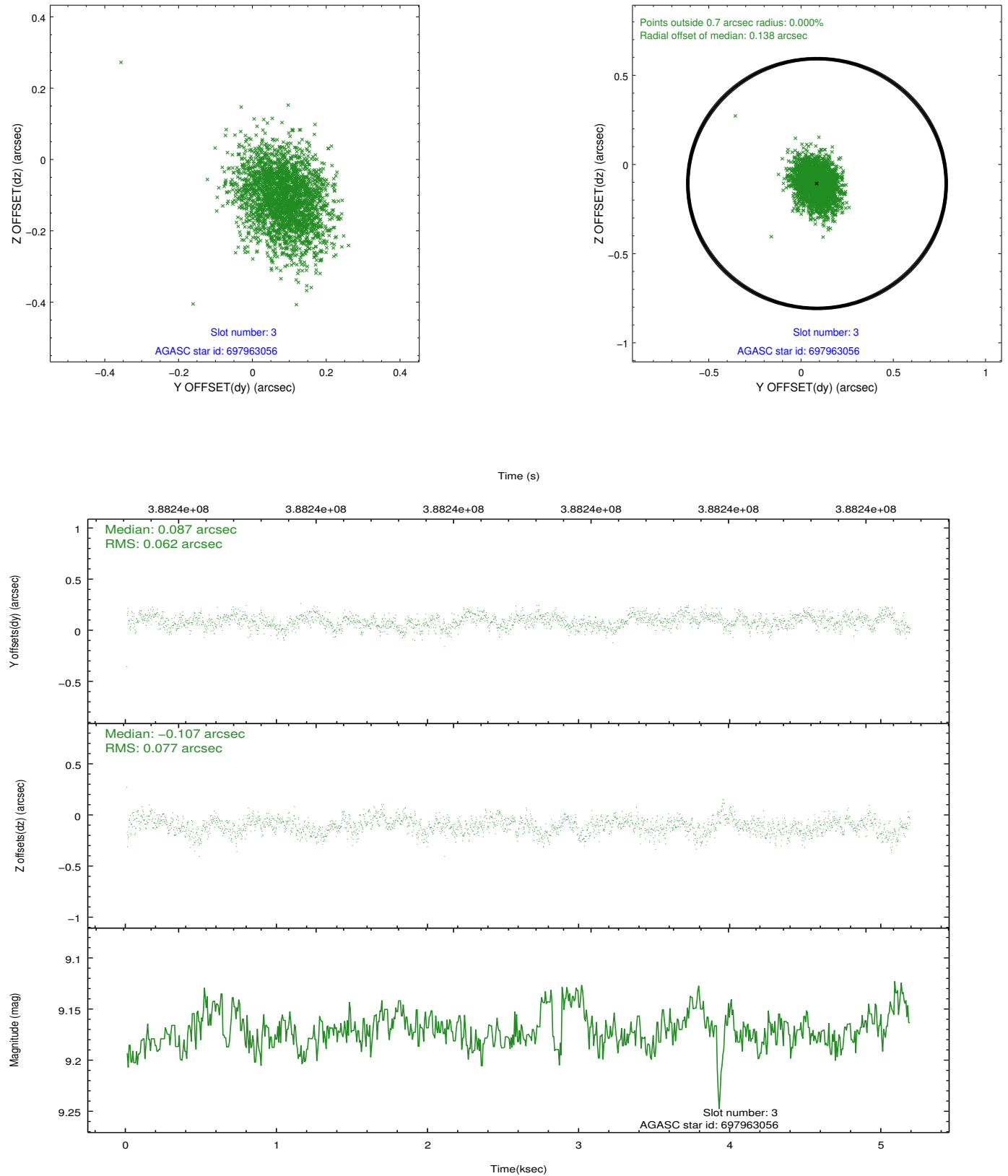


Slot Statistics

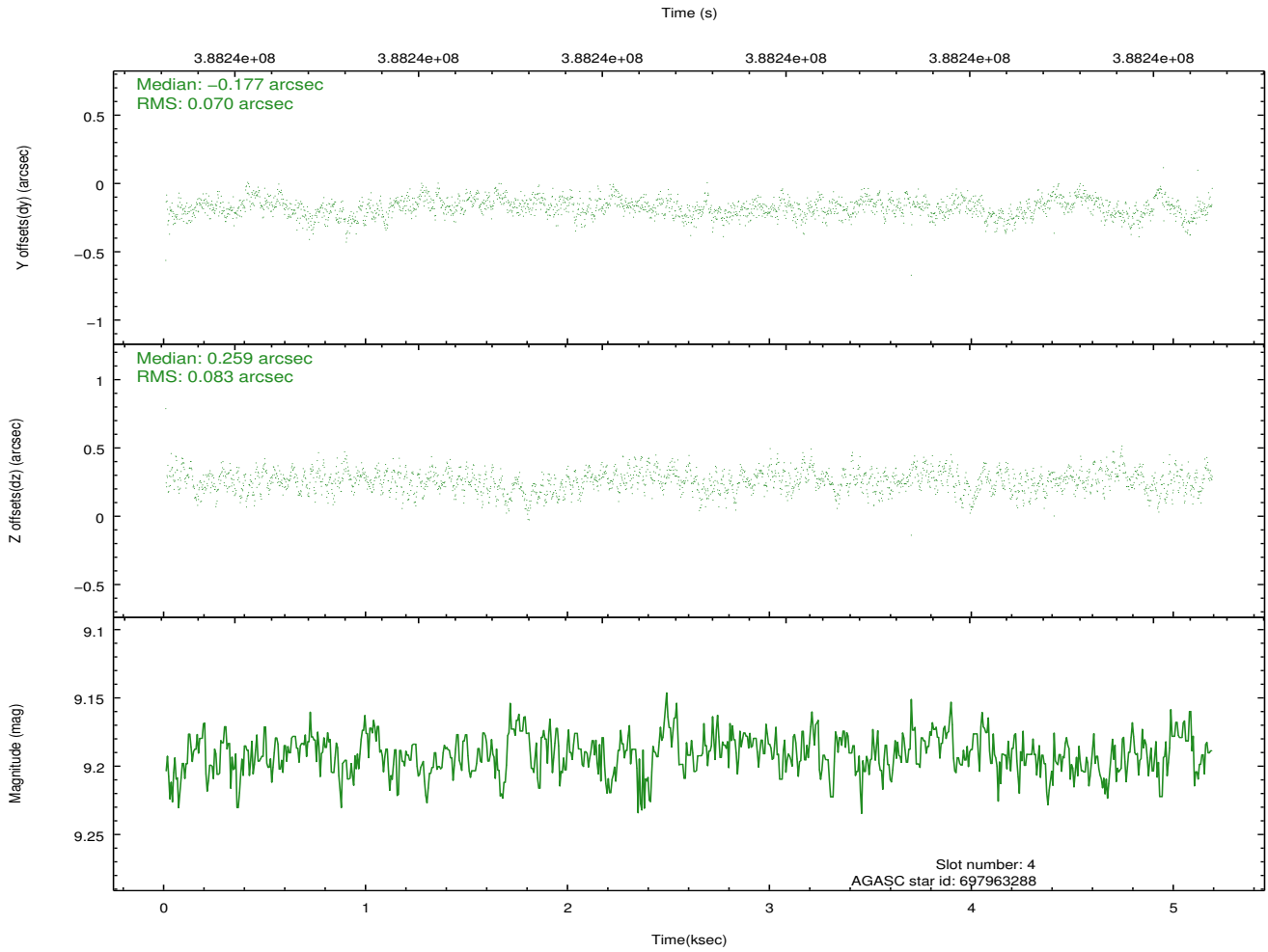
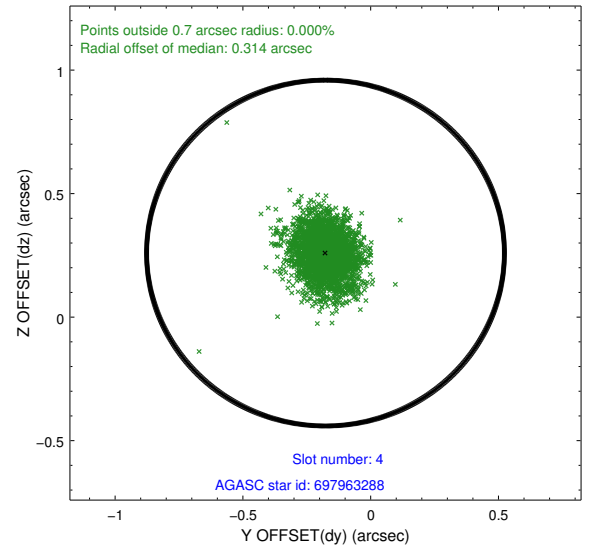
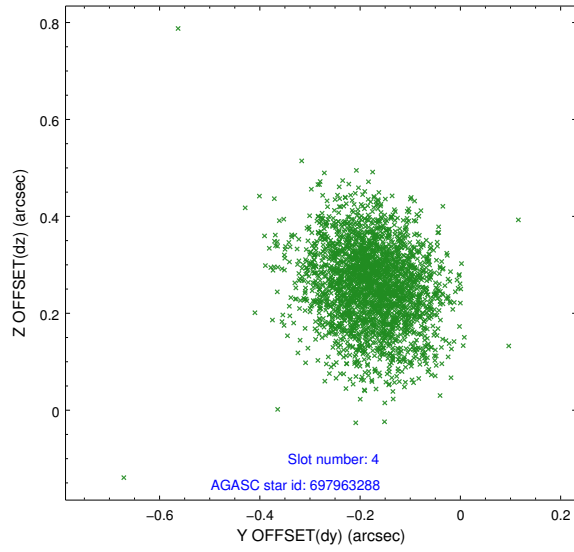
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.95	1265	0.046	-0.150	0.008	0.012	0.000000	0.000000	-1171.98	-465.18
1	FID	HRC-S-2	6.93	1265	0.251	-0.116	0.008	0.016	0.000000	0.000000	1226.98	-458.11
2	FID	HRC-S-3	6.97	1265	0.093	-0.036	0.008	0.013	0.000000	0.000000	-1173.70	564.10
3	GUIDE	697963056	9.17	2526	0.087	-0.107	0.104	0.171	72.545470	-10.265861	-535.25	2007.84
4	GUIDE	697963288	9.19	2529	-0.177	0.259	0.114	0.187	72.359717	-10.592578	810.05	1934.38
5	GUIDE	697970576	8.31	2529	0.000	-0.062	0.071	0.119	71.548767	-10.222268	878.64	-1230.93
6	GUIDE	697973824	7.97	2528	0.081	-0.166	0.070	0.113	72.012098	-10.590000	1343.76	823.76
7	GUIDE	697581832	9.20	2527	0.018	0.087	0.121	0.195	71.562402	-9.477547	-1548.17	-2371.70

2.4 Star Slots

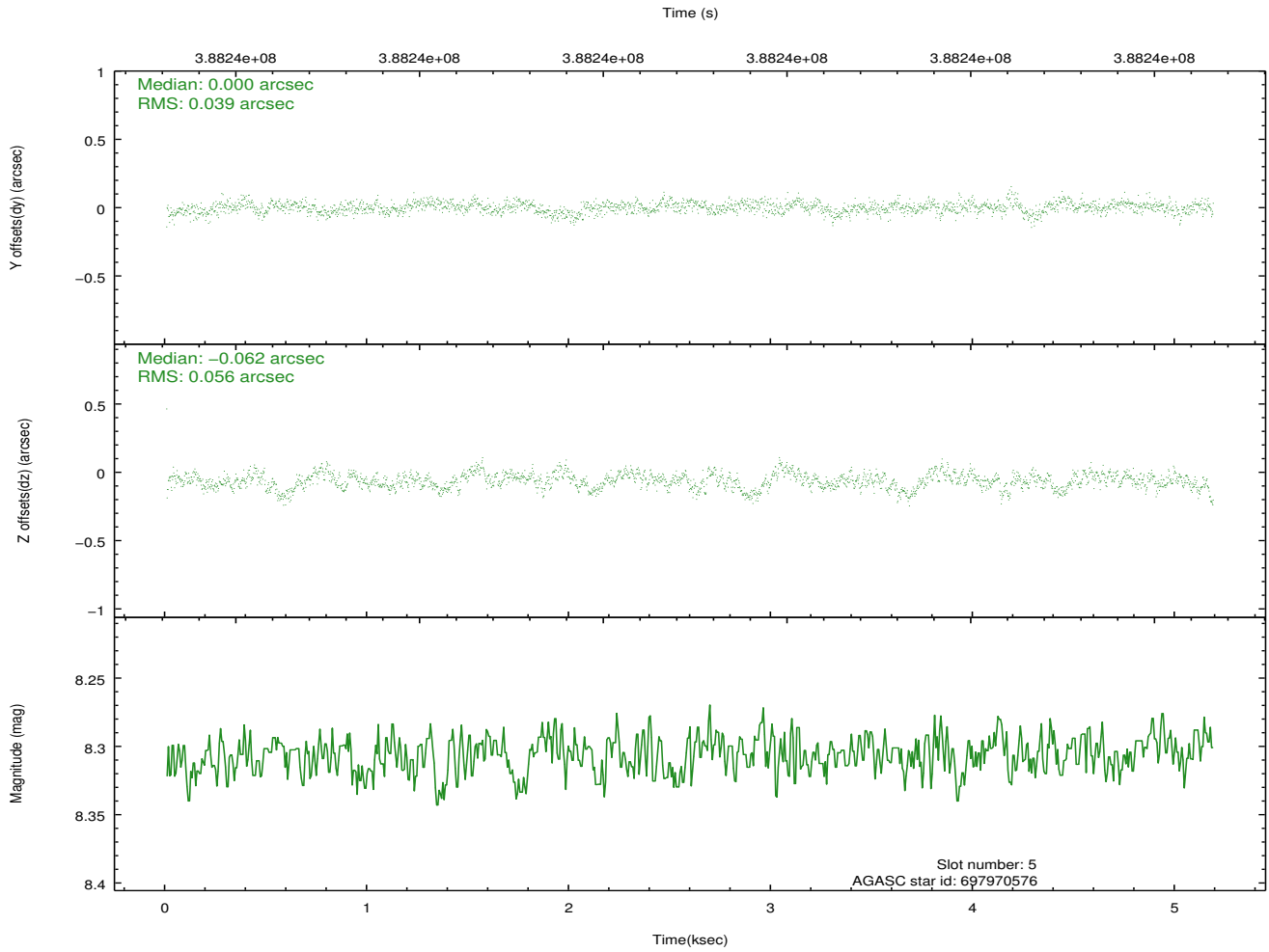
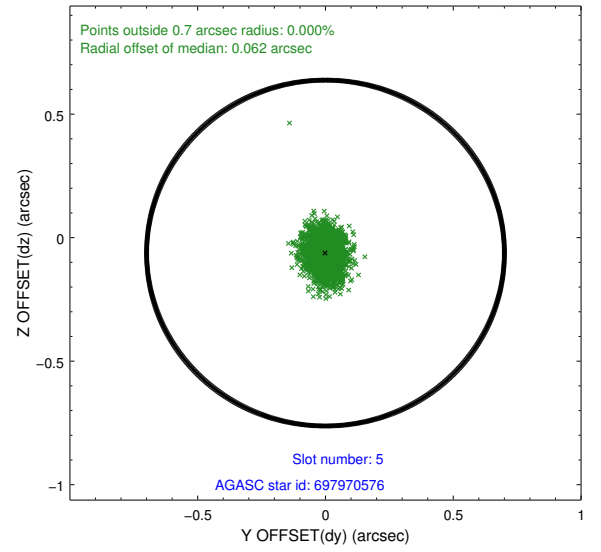
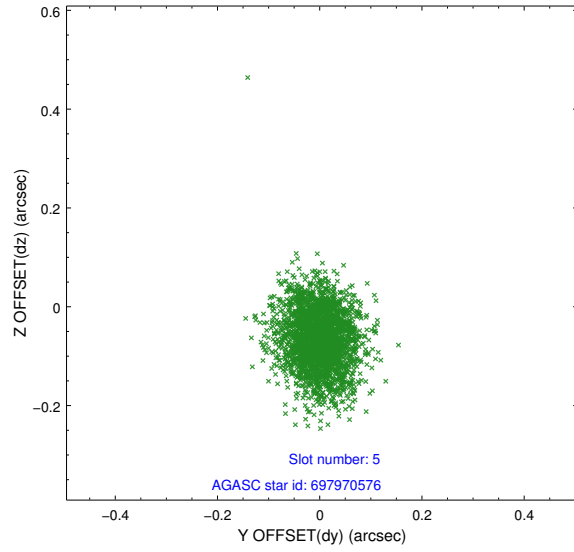
2.4.1 Slot 3



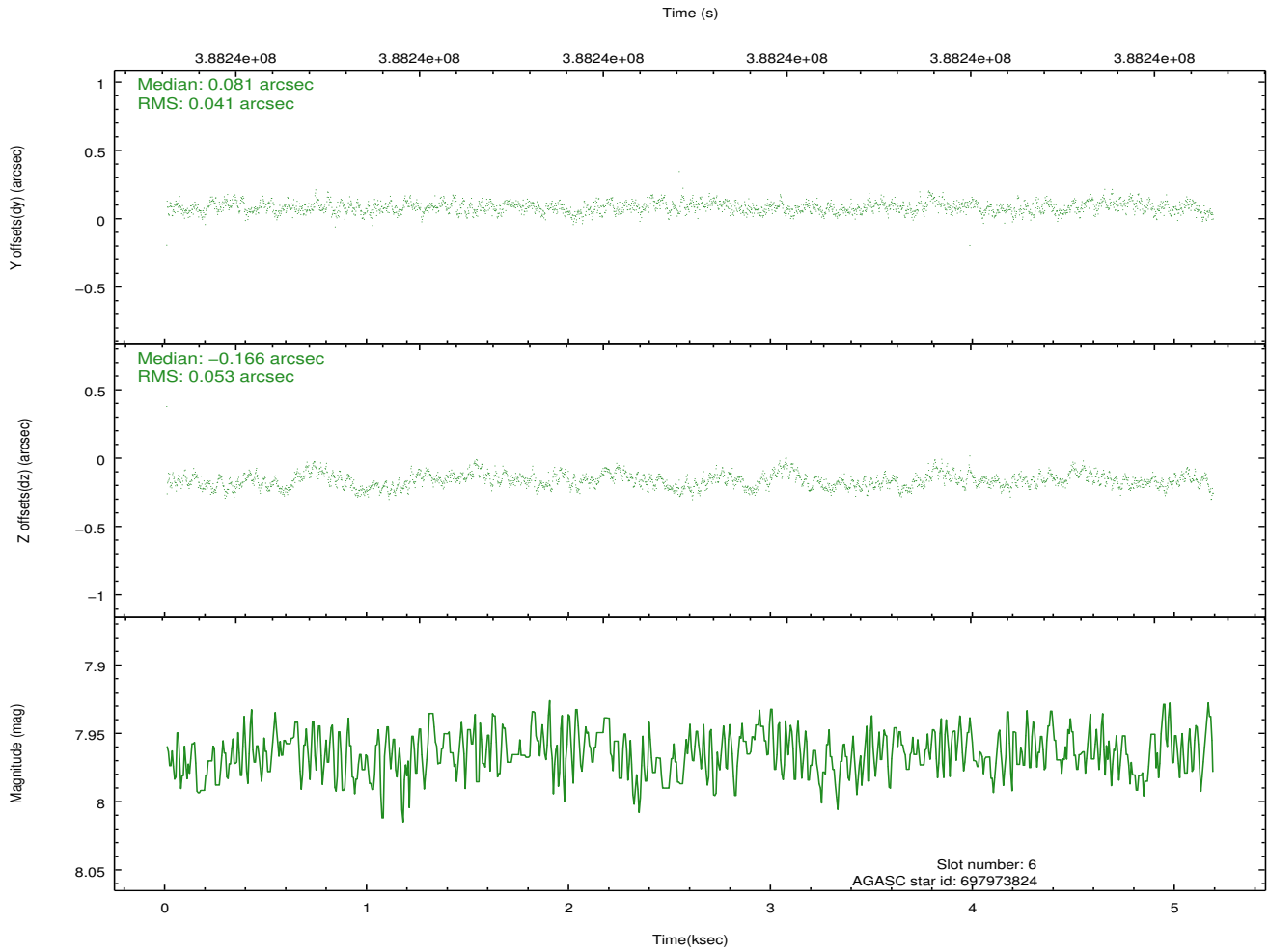
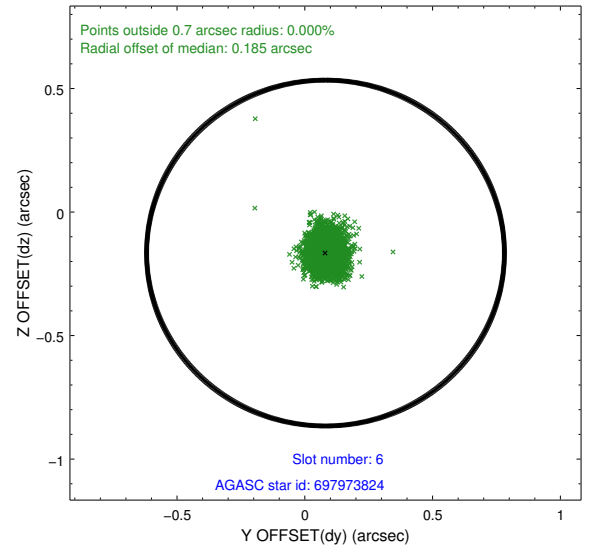
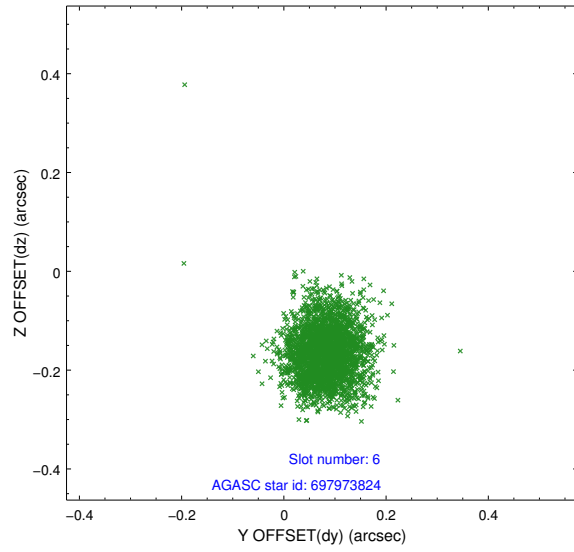
2.4.2 Slot 4



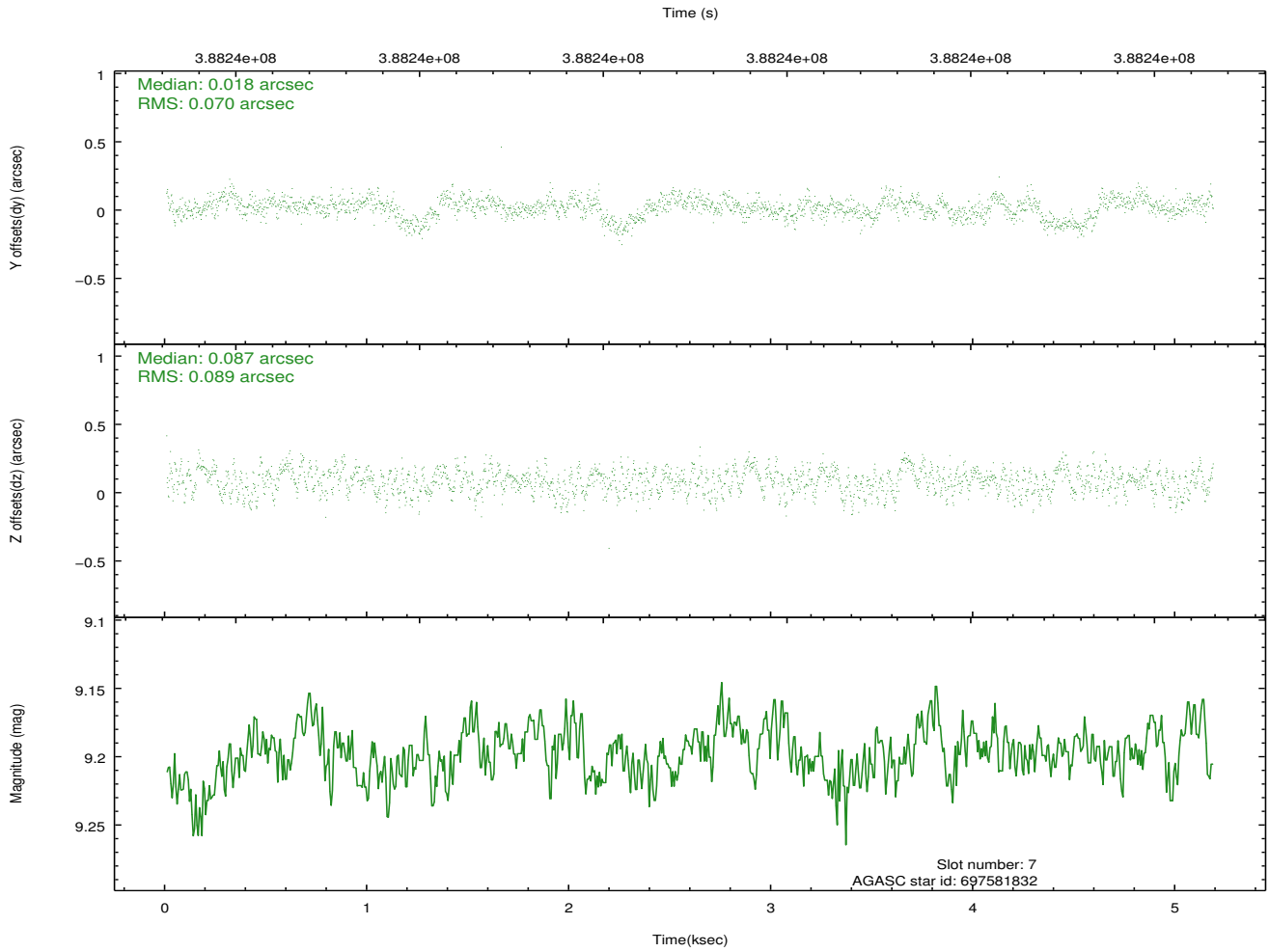
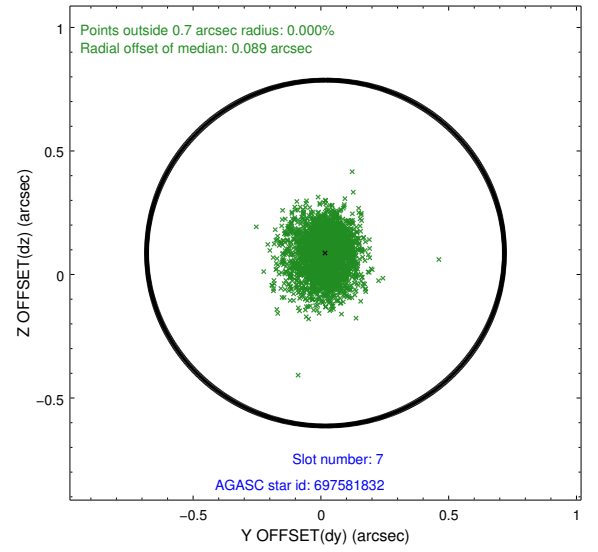
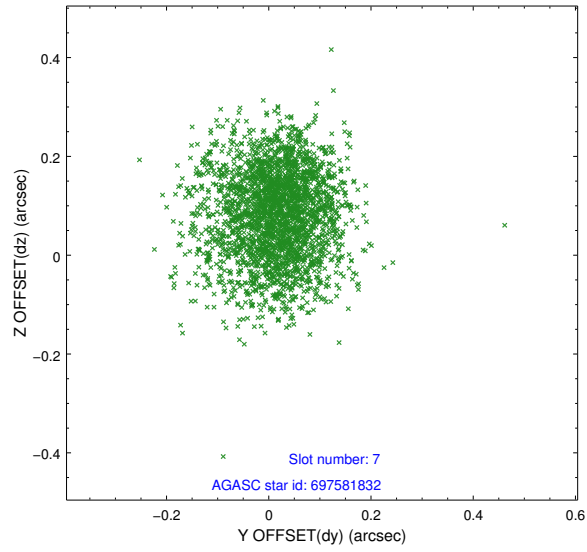
2.4.3 Slot 5



2.4.4 Slot 6

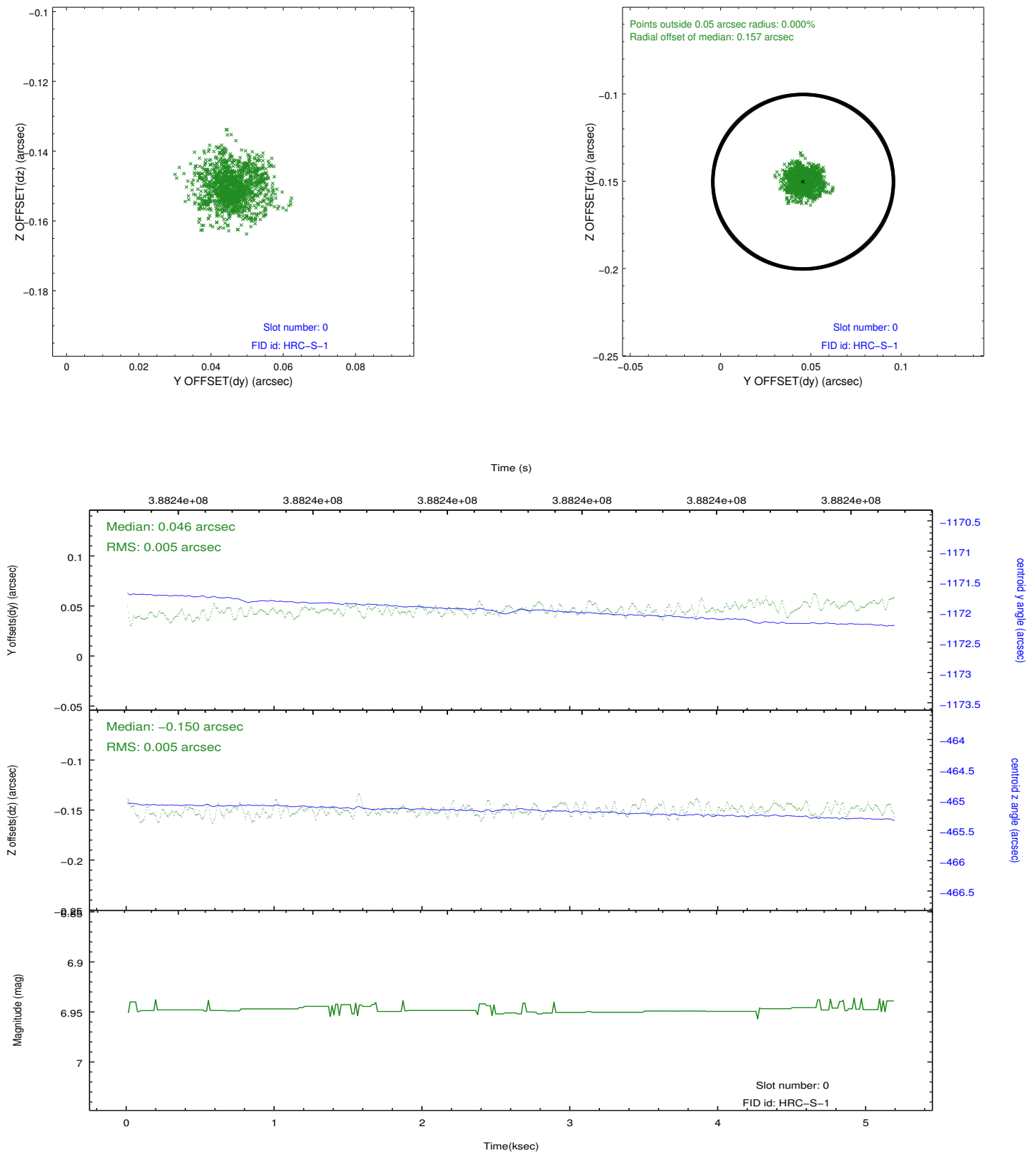


2.4.5 Slot 7

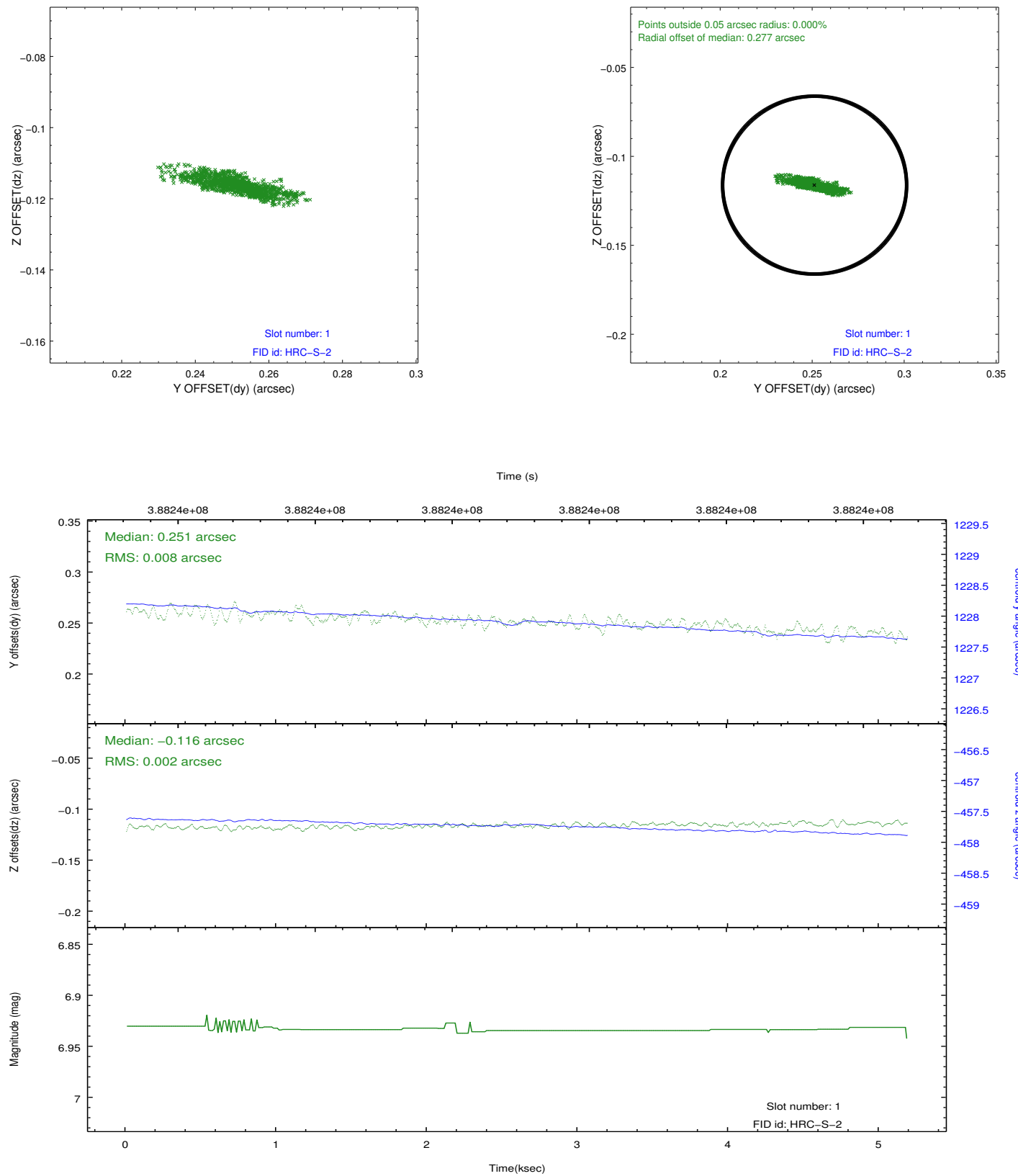


2.5 FID Slots

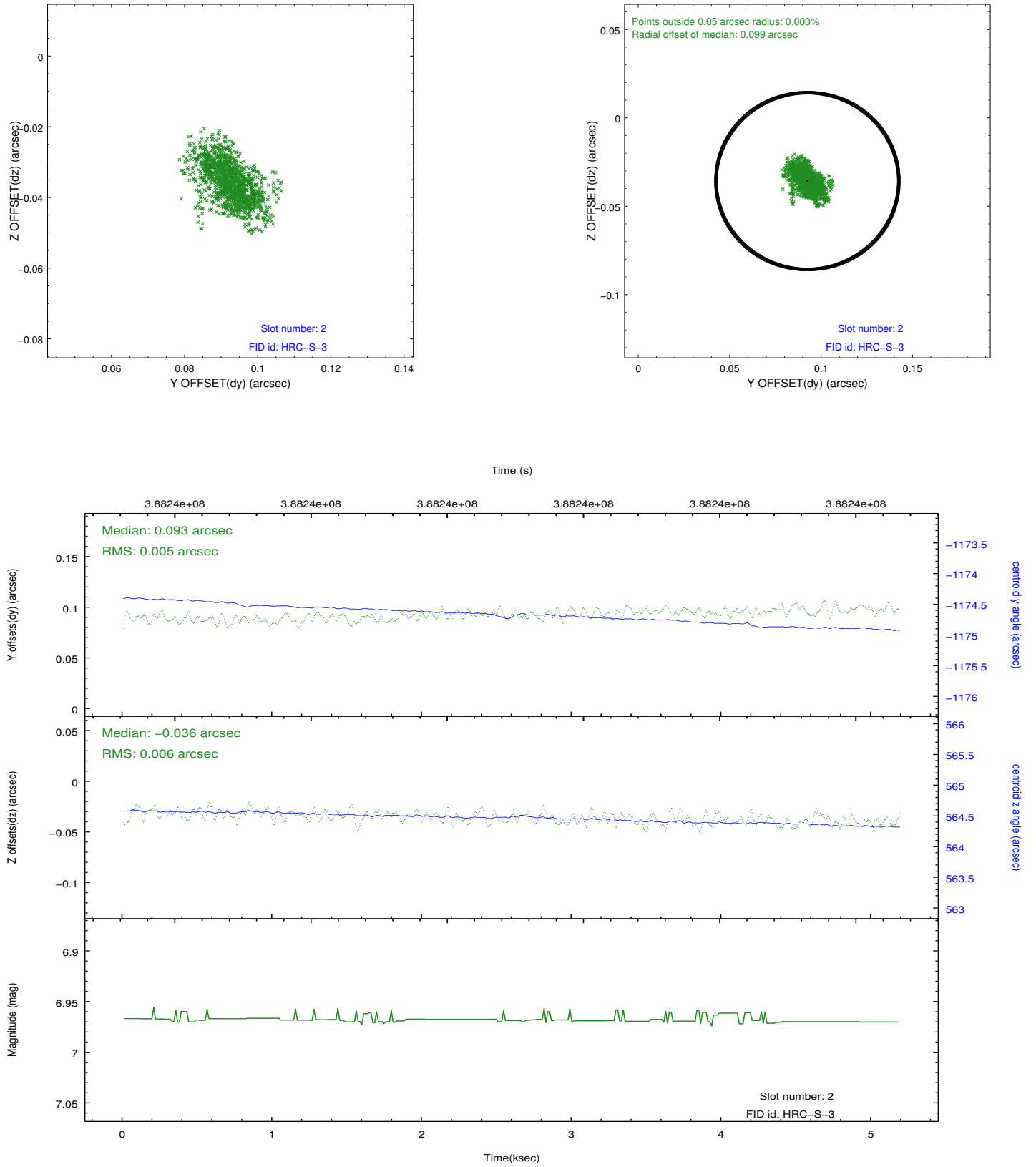
2.5.1 Slot 0



2.5.2 Slot 1

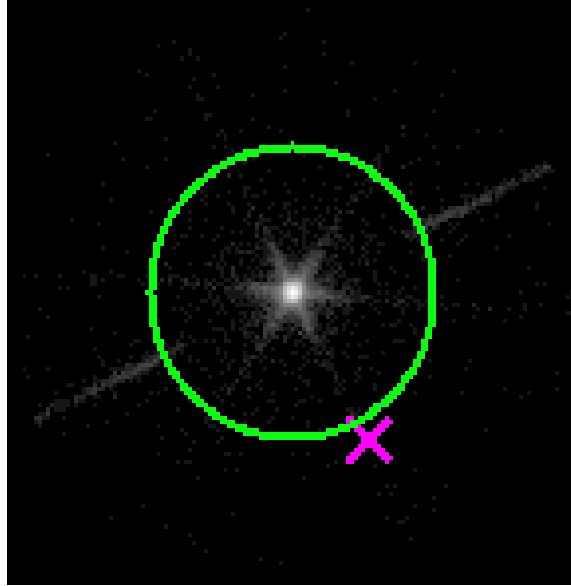


2.5.3 Slot 2

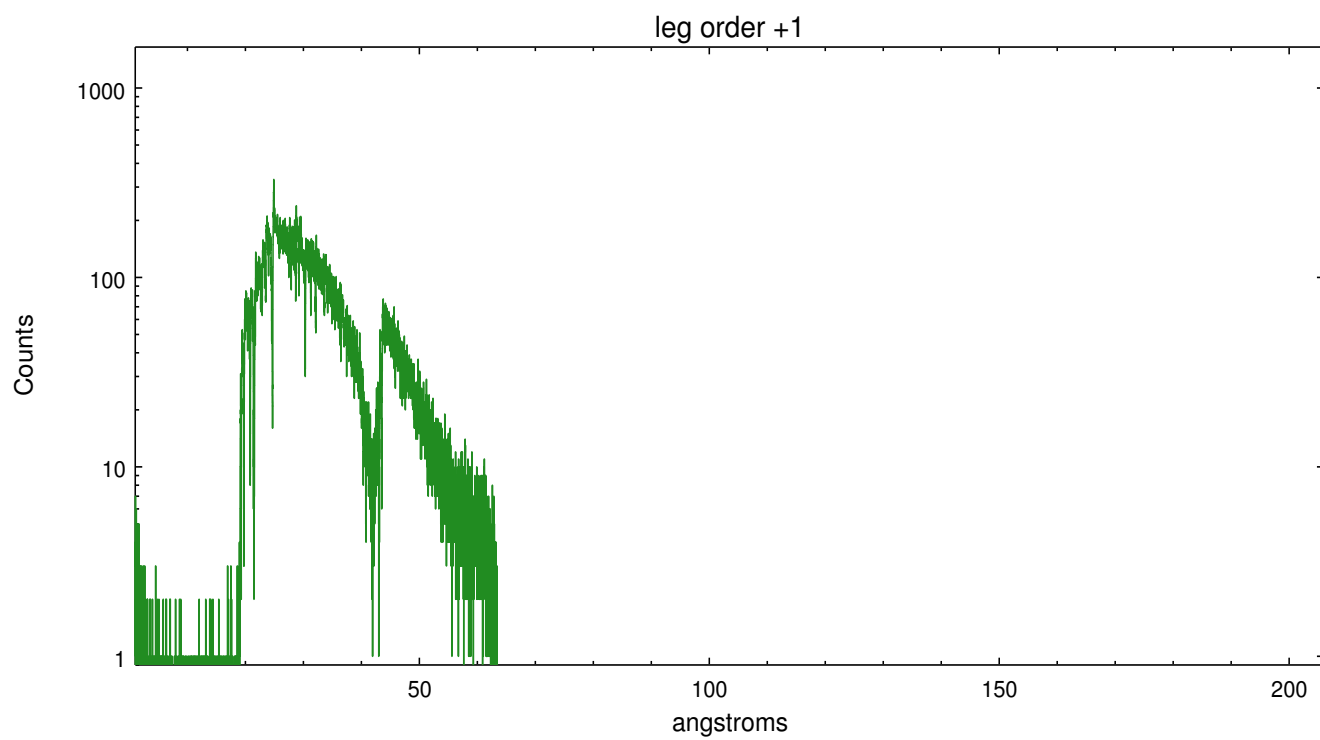
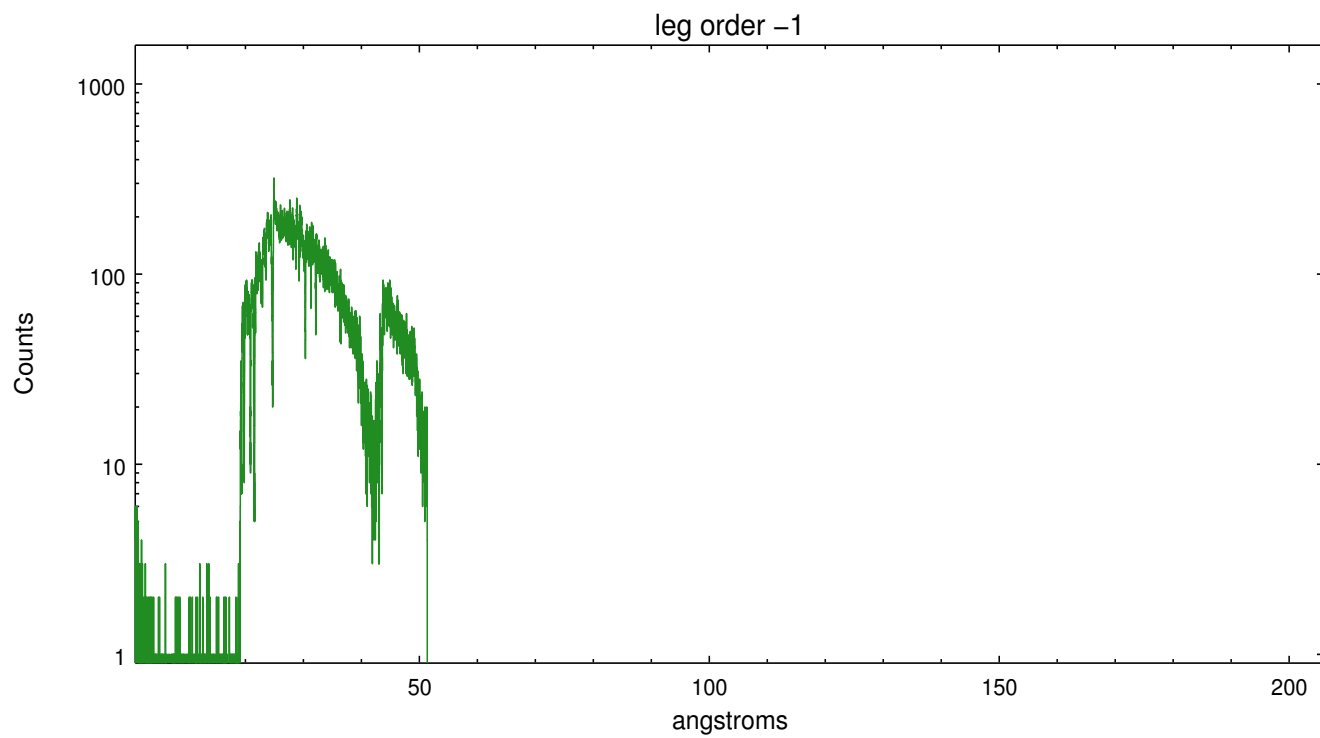


3 Gratings

3.1 LETG Arm



LETG Zero Order



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.07.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1816315133572

A.2 Comments

HRC livetime is significantly less than the ontime. Telemetry was saturated due to the brightness of the source and not all events were telemetered.

Special HRC-S configuration used to lower the valid rate.