

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 4515 - L2 Version 3
Chandra X-Ray Center

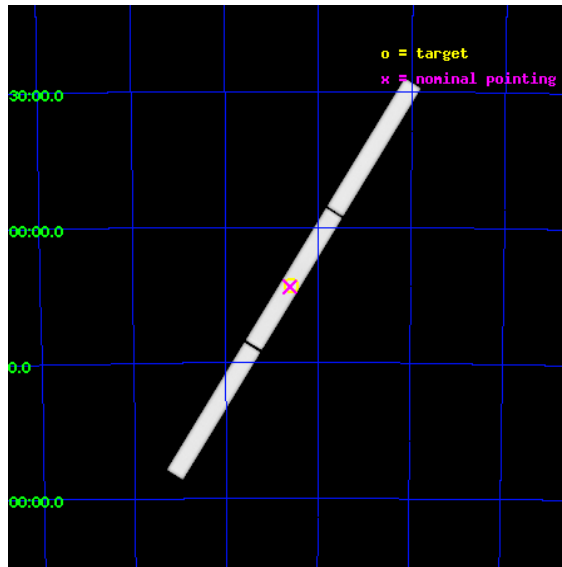
L2 Processing Date : Dec 8 2012

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1 Front

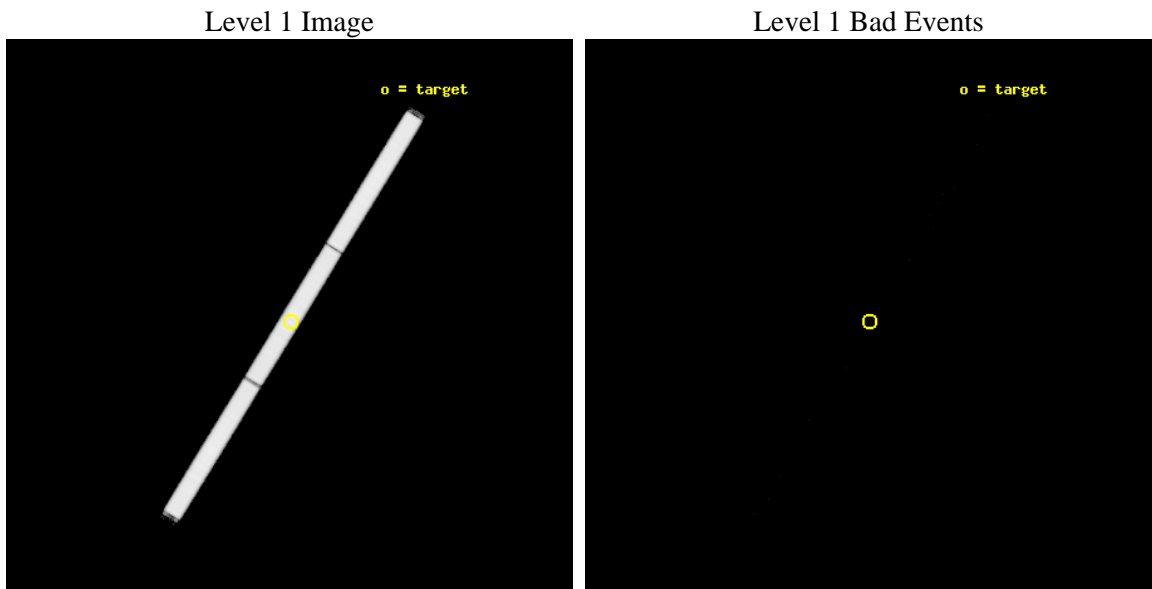
seq_num	300109	Sequence number
obs_id	4515	Observation id
title	Chandra Soft X-ray Spectroscopy of QS Tel	Proposal title
observer	Christopher Mauche	Principal investigator
object	QS Tel	Source name
ra_targ	294.64875	Observer's specified target RA [deg]
dec_targ	-46.215694	Observer's specified target Dec [deg]
ra_nom	294.65217324448	Nominal RA [deg]
dec_nom	-46.219759033856	Nominal Dec [deg]
roll_nom	301.55674618798	Nominal Roll [deg]
revision	3	Processing version of data
ontime	83739.428731471	[s]
livetime	82384.111948758	Ontime multiplied by DTCOR
l2events	5728167	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	83182.632000	[s] Scheduled observation exposure time
ascdsver	8.5	Processing system revision	ontime	83739.428731471	[s]
caldsver	4.5.4	 	l1events	7580526	Number of level 1 events
date	2012-12-08T10:47:11	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	2616583	2429389	2534554
rejected events	28370	27575	28480
rejected %	1%	1%	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	294.614860	294.6521732444778			
[deg] Pointing Dec	-46.207377	-46.21975903385643			
[deg] Pointing Roll	301.462470	301.5567461879812			
[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)	210095166.184000	210093907.51413			
Observation start date	2004-08-28T15:45:02	2004-08-28T15:25:07			
[s] Observation end time (MET)	210178349.184000	210179976.76797			
Observation end date	2004-08-29T14:51:25	2004-08-29T15:19:36			

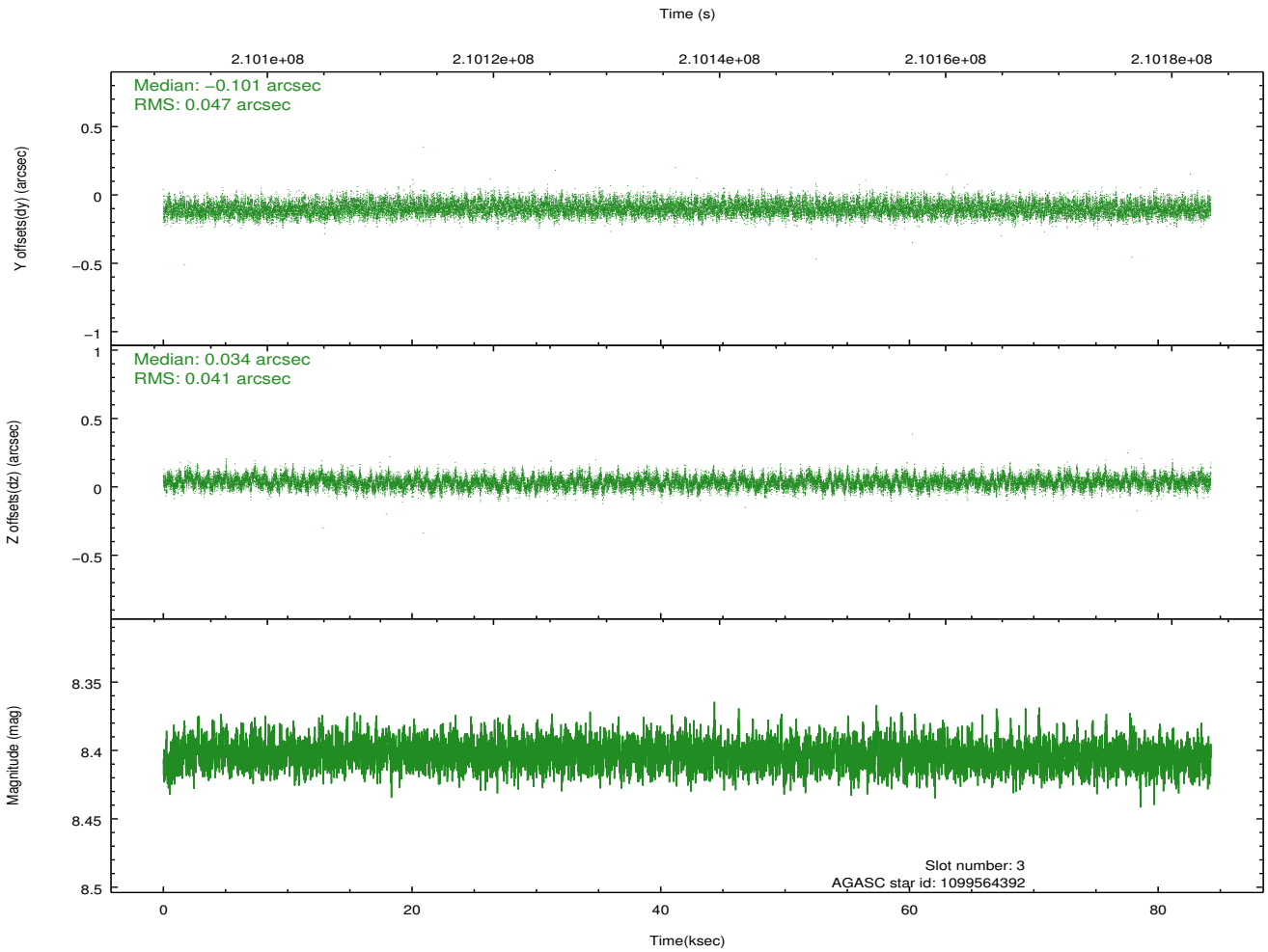
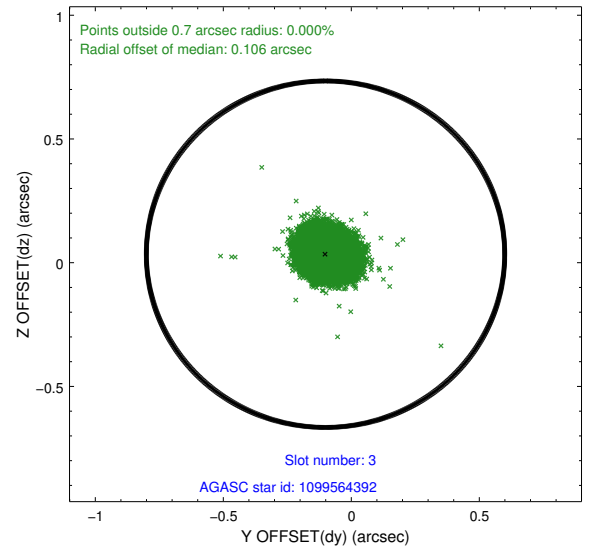
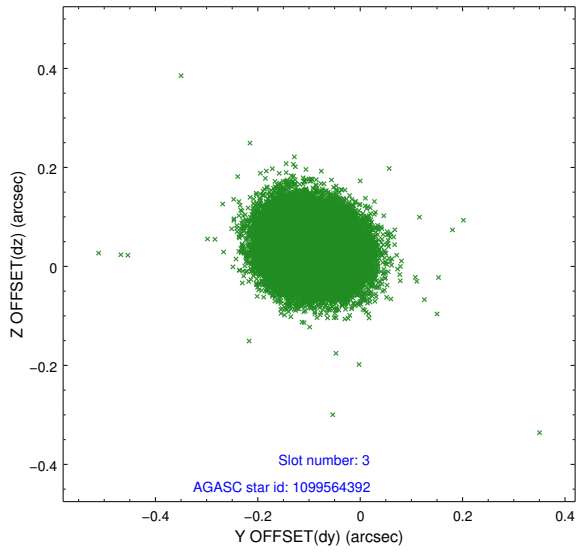
2.3 Aspect

Slot Statistics

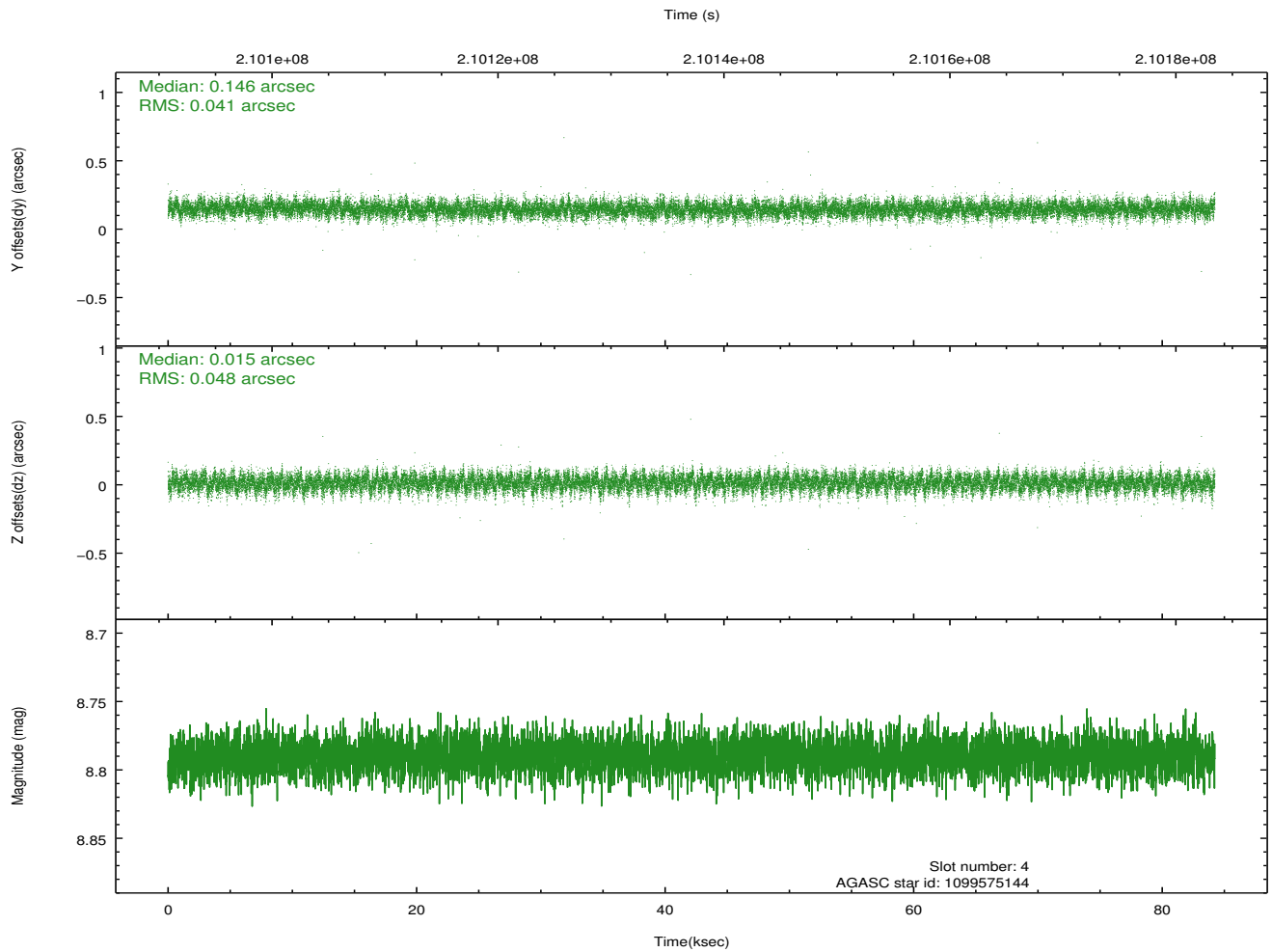
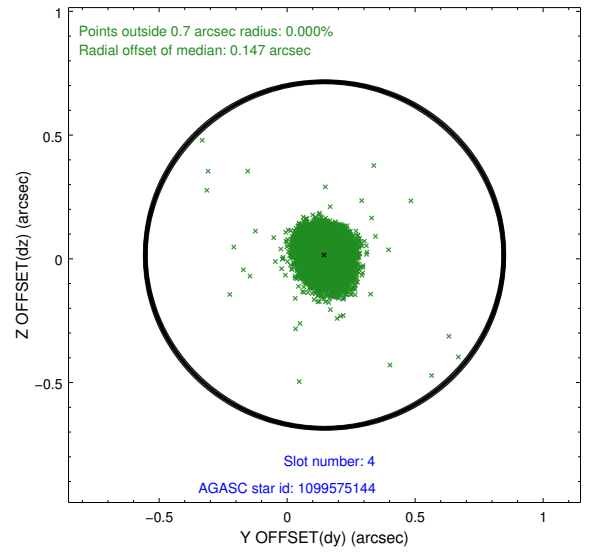
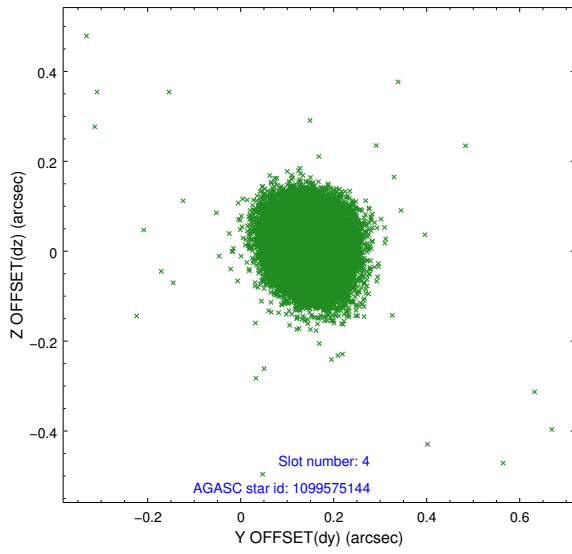
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.00	20546	0.158	-0.194	0.011	0.023	0.000000	0.000000	-1163.02	-458.50
1	FID	HRC-S-2	6.99	20547	0.117	-0.107	0.007	0.021	0.000000	0.000000	1236.57	-451.11
2	FID	HRC-S-3	7.01	20547	0.114	-0.001	0.010	0.020	0.000000	0.000000	-1165.71	571.20
3	GUIDE	1099564392	8.40	41074	-0.101	0.034	0.066	0.106	294.873149	-45.498510	-1835.92	1887.38
4	GUIDE	1099575144	8.79	41081	0.146	0.015	0.066	0.108	294.800955	-46.471921	1053.89	-103.39
5	GUIDE	1099579016	9.05	41075	0.157	-0.105	0.076	0.124	295.022415	-46.524762	1504.45	263.08
6	GUIDE	1100091712	8.29	41085	-0.028	-0.035	0.076	0.122	294.163174	-46.882681	1496.81	-2218.23
7	GUIDE	1099567688	7.71	41087	-0.176	0.089	0.082	0.129	294.830031	-45.428298	-2108.03	1927.29

2.4 Star Slots

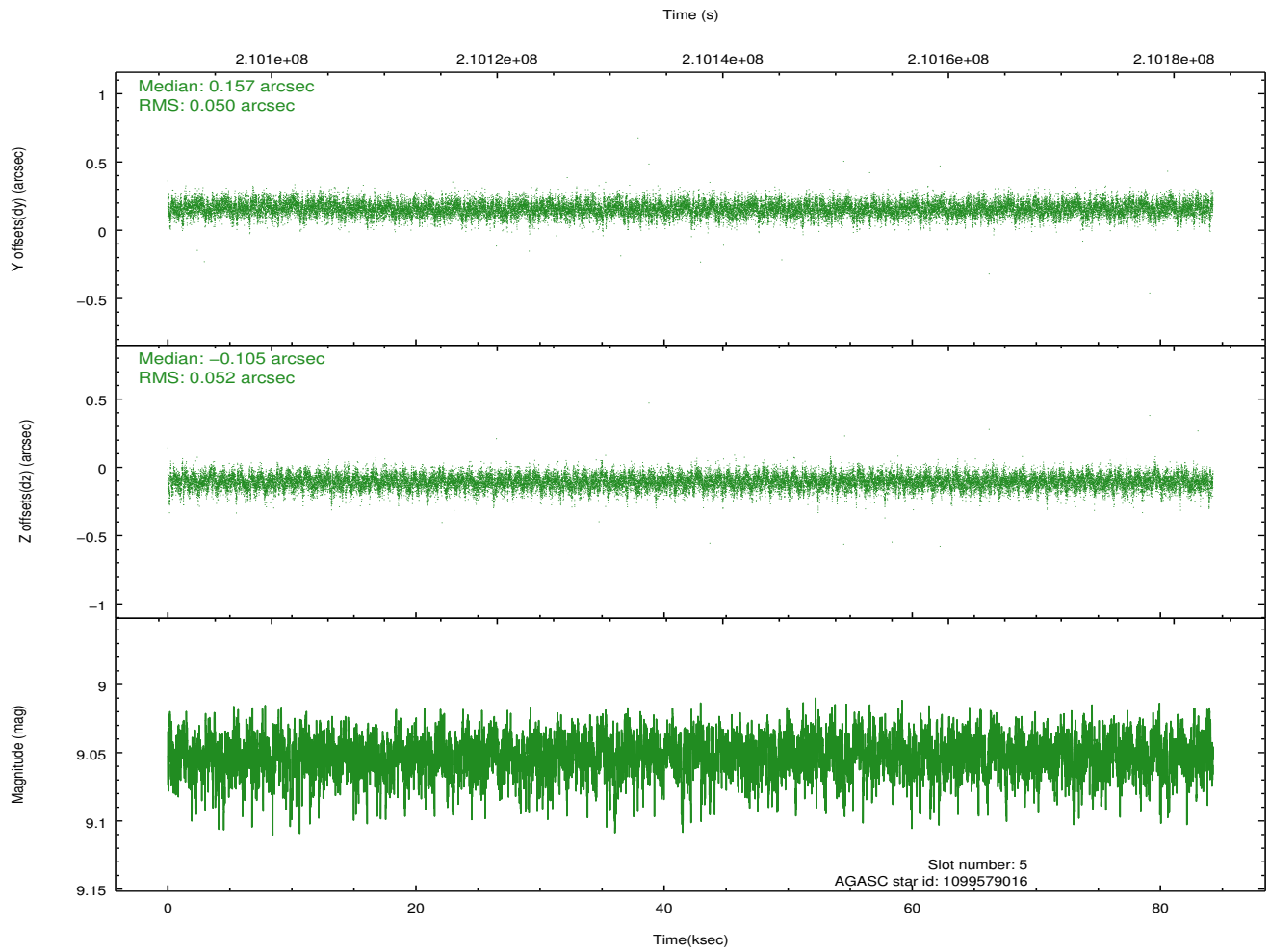
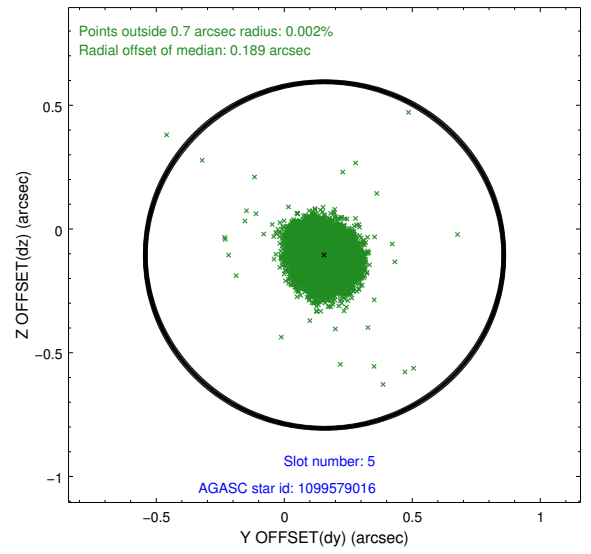
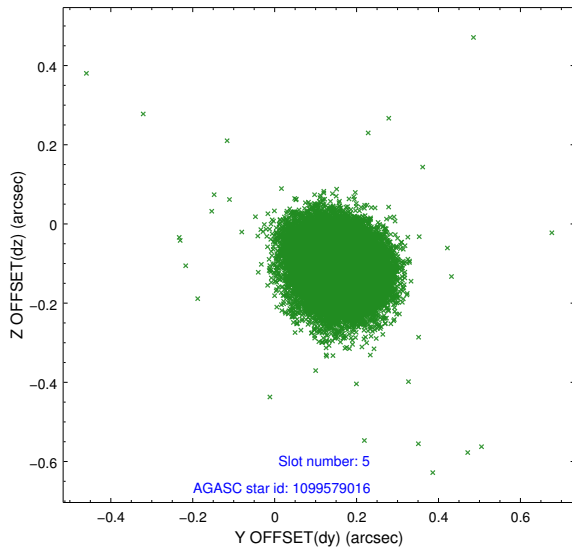
2.4.1 Slot 3



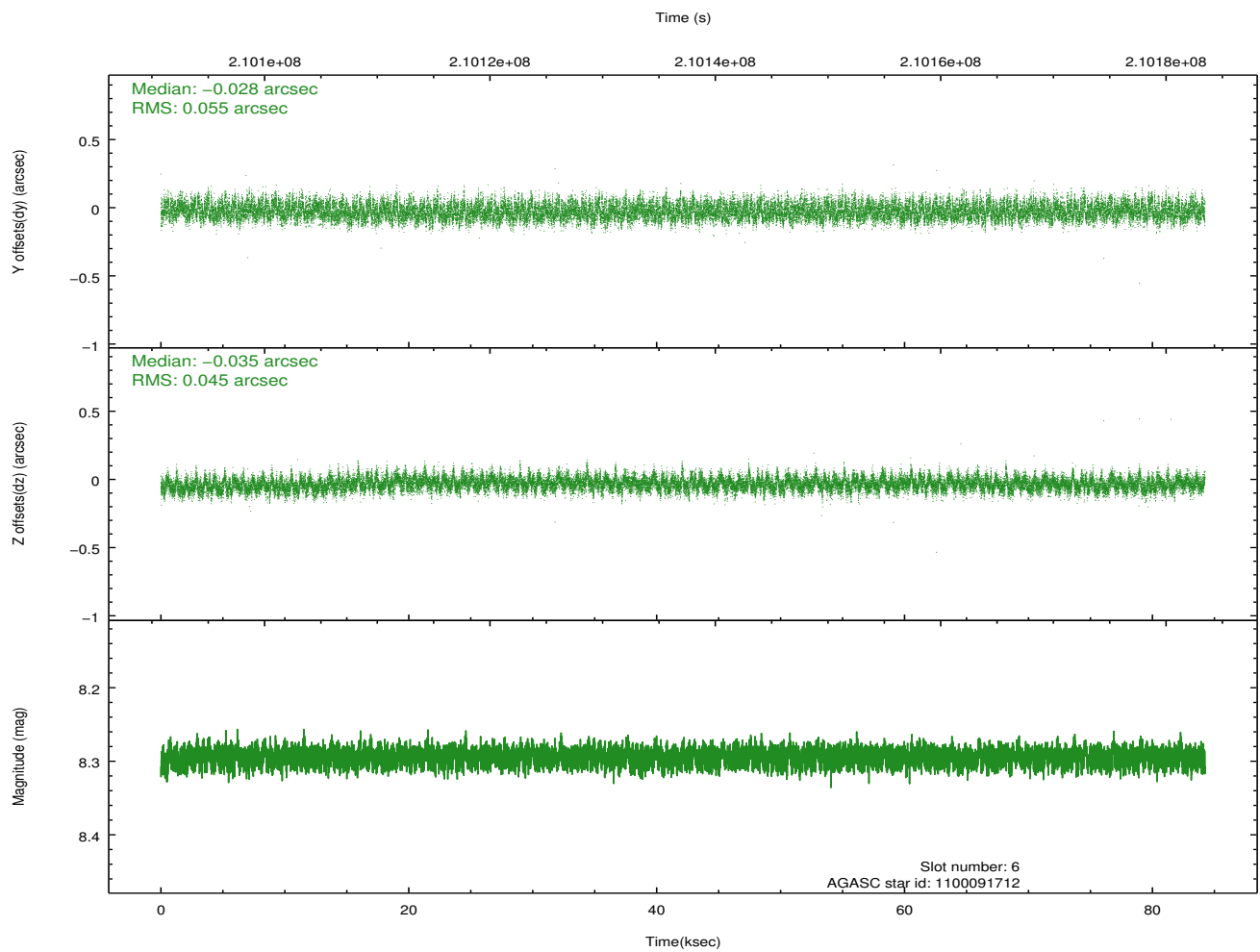
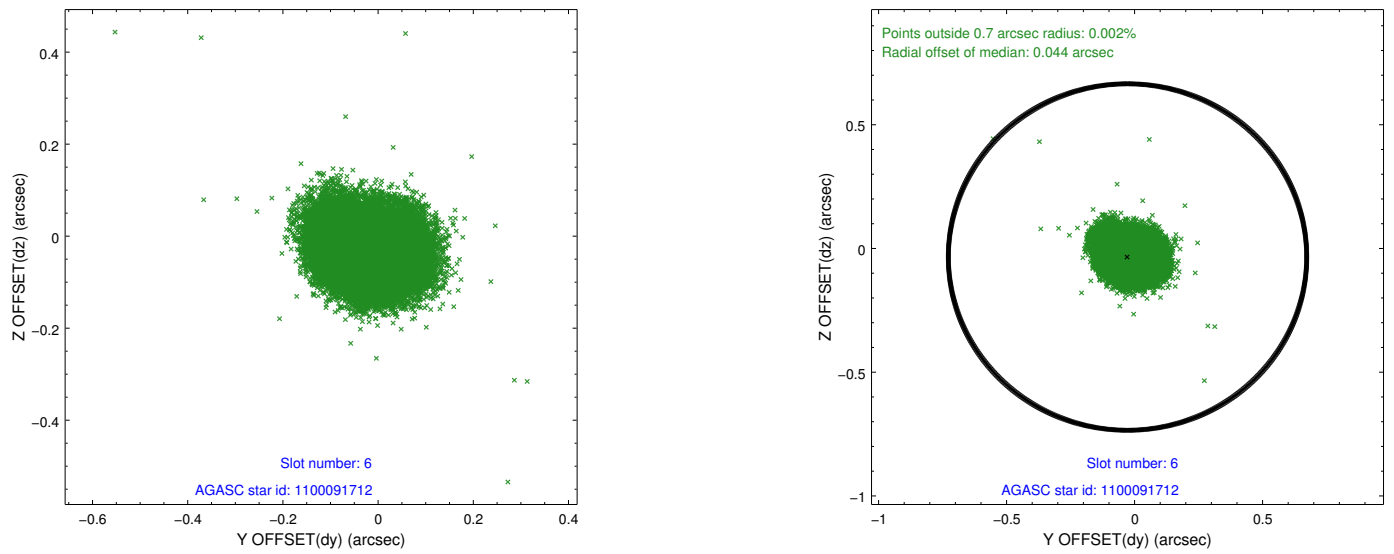
2.4.2 Slot 4



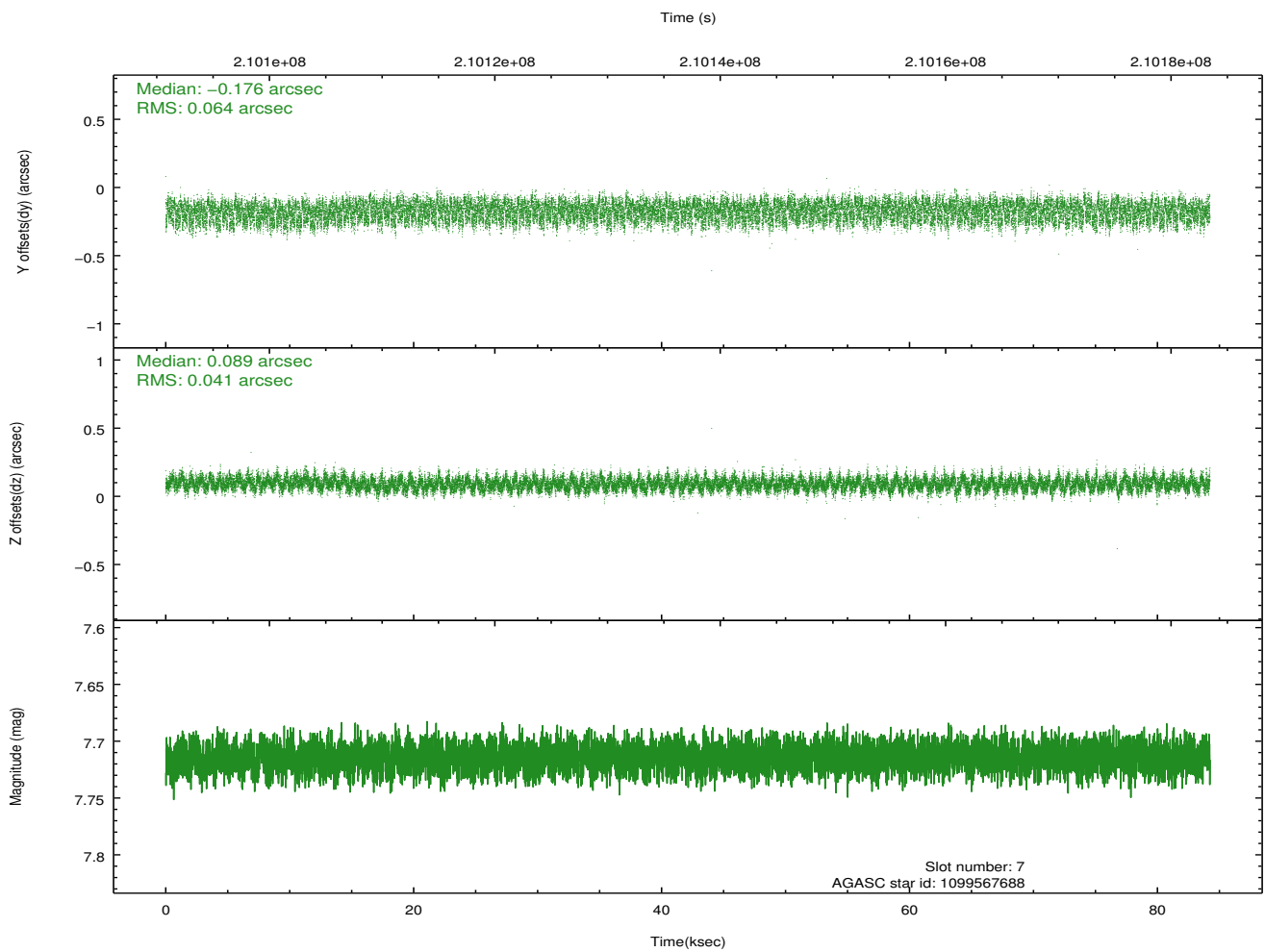
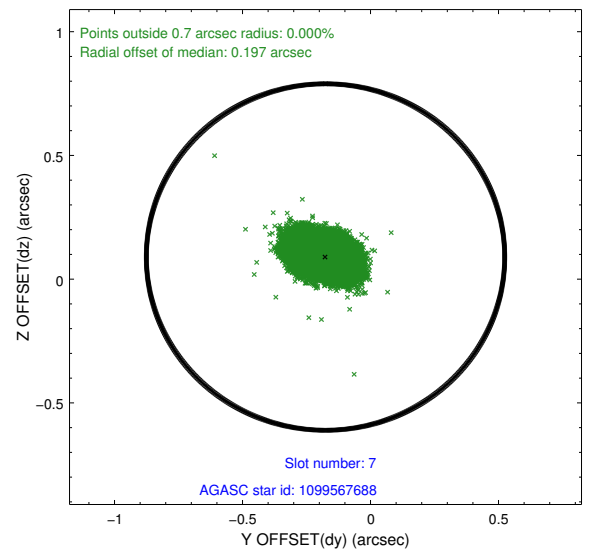
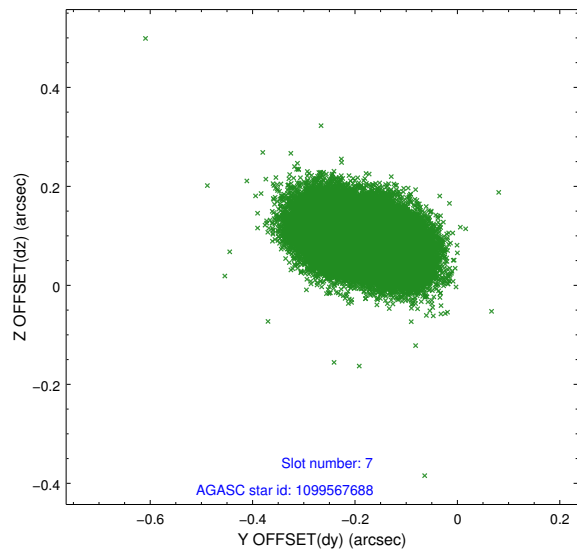
2.4.3 Slot 5



2.4.4 Slot 6

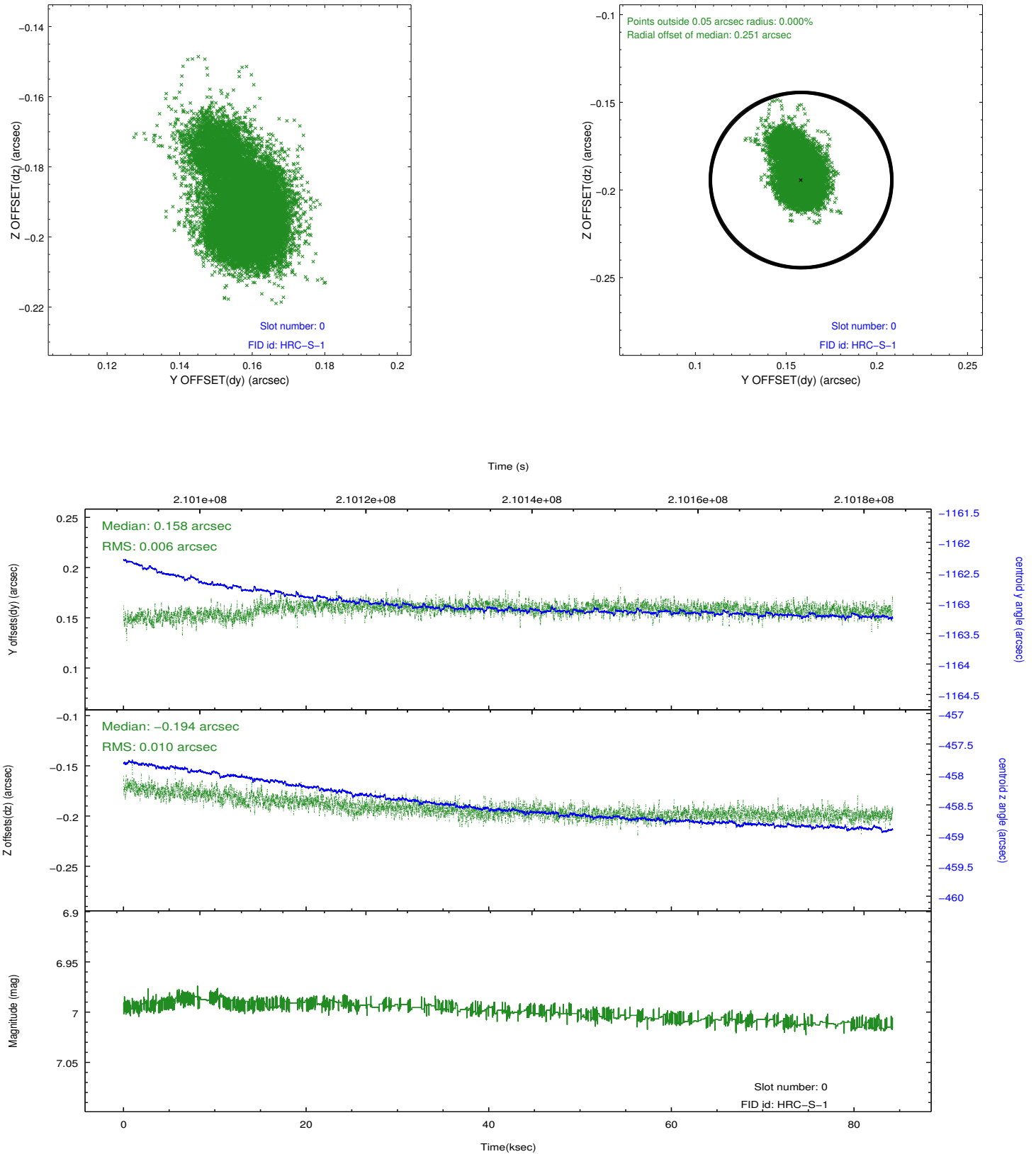


2.4.5 Slot 7

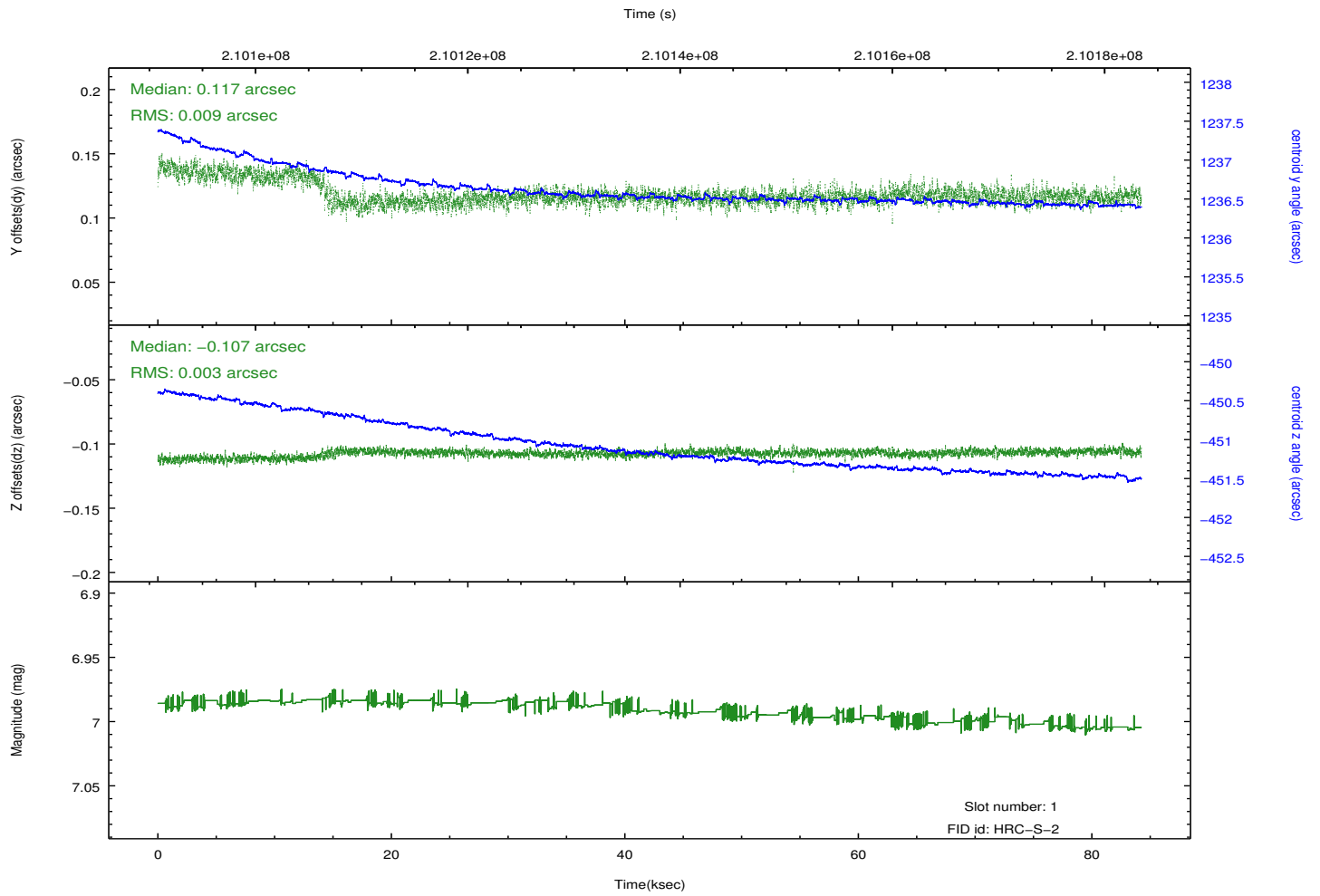
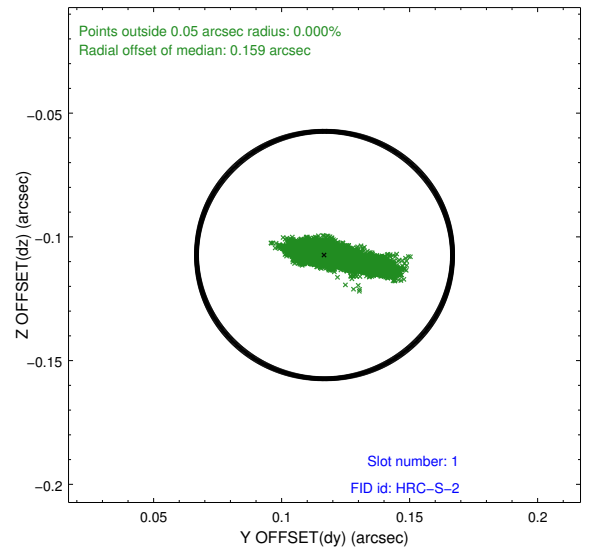
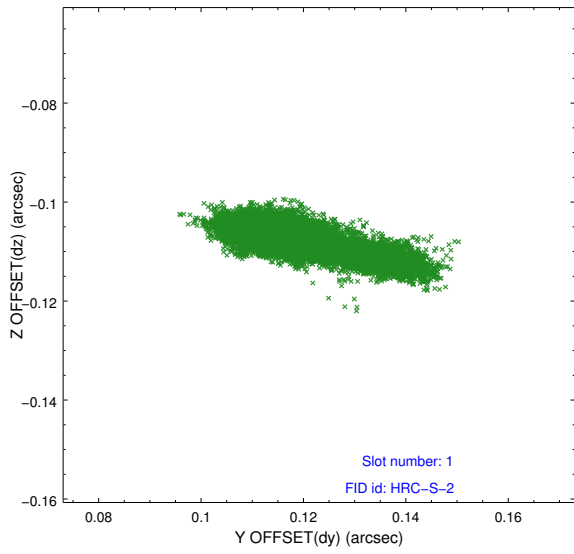


2.5 FID Slots

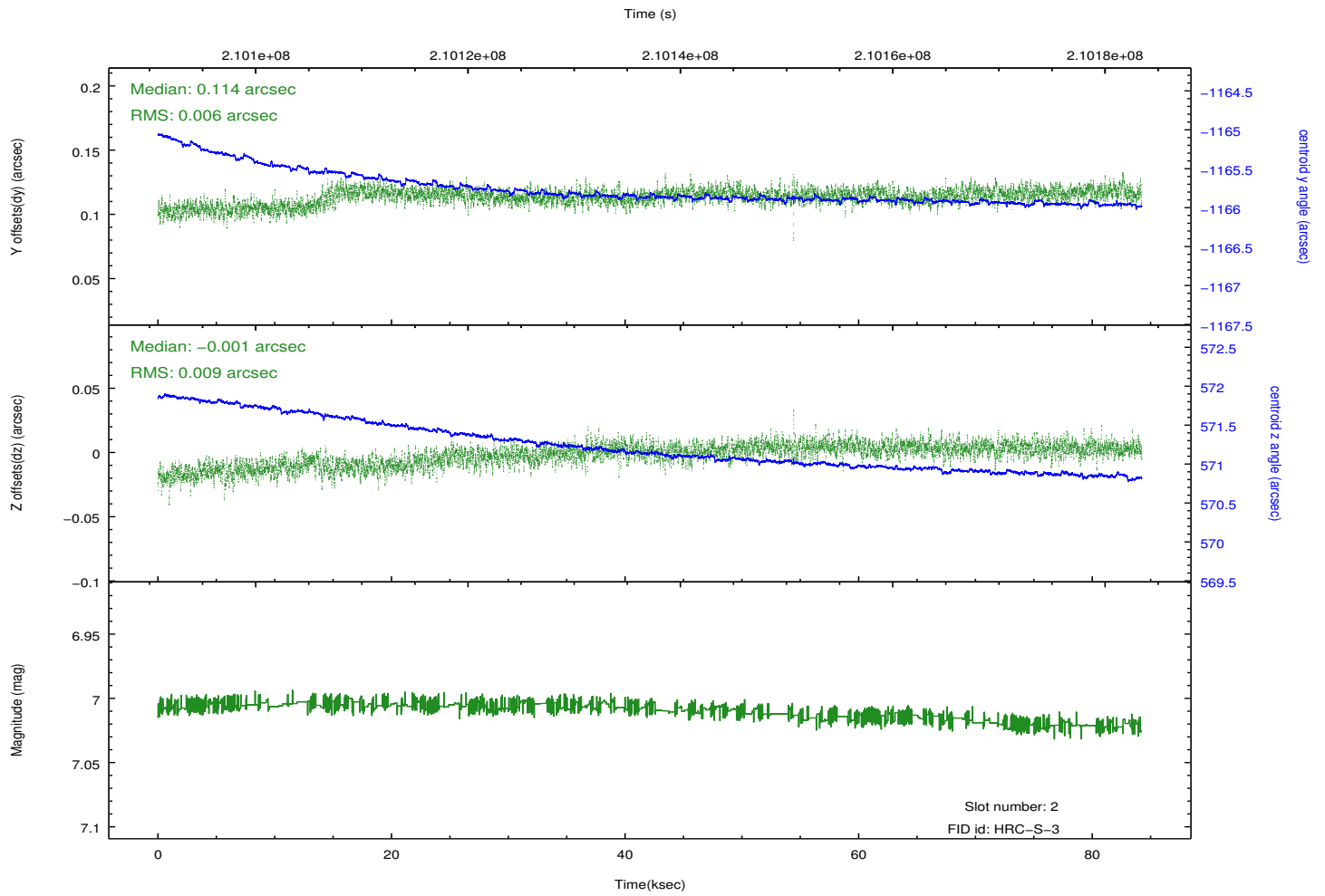
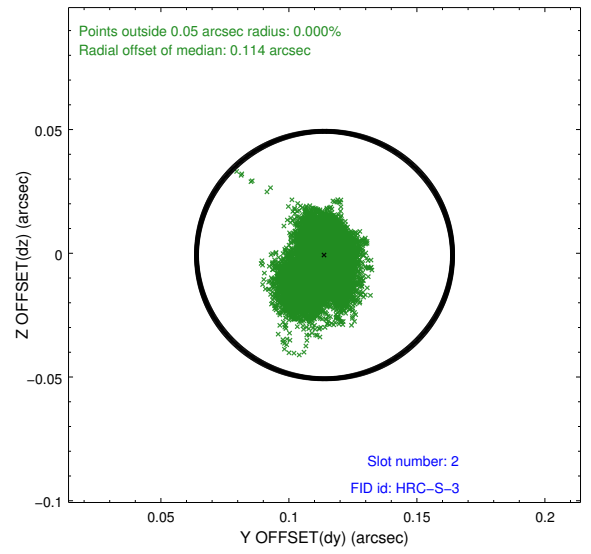
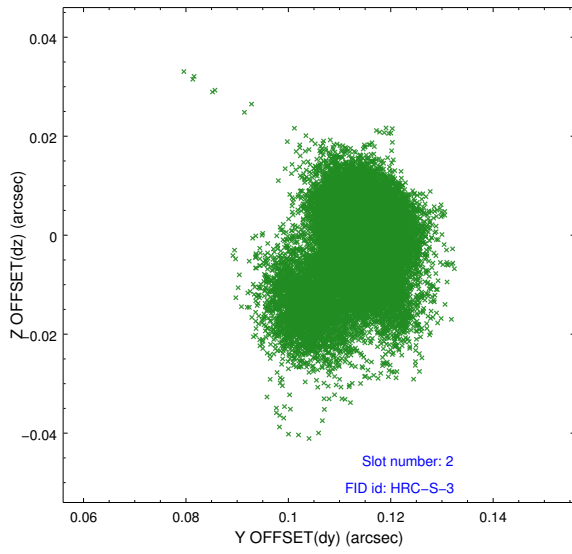
2.5.1 Slot 0



2.5.2 Slot 1

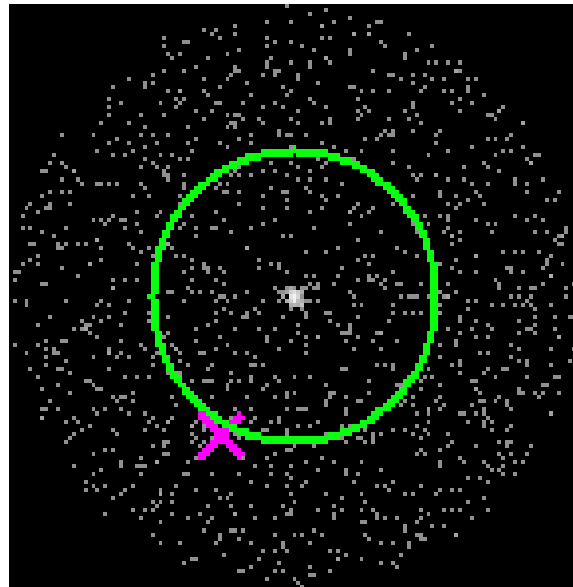


2.5.3 Slot 2

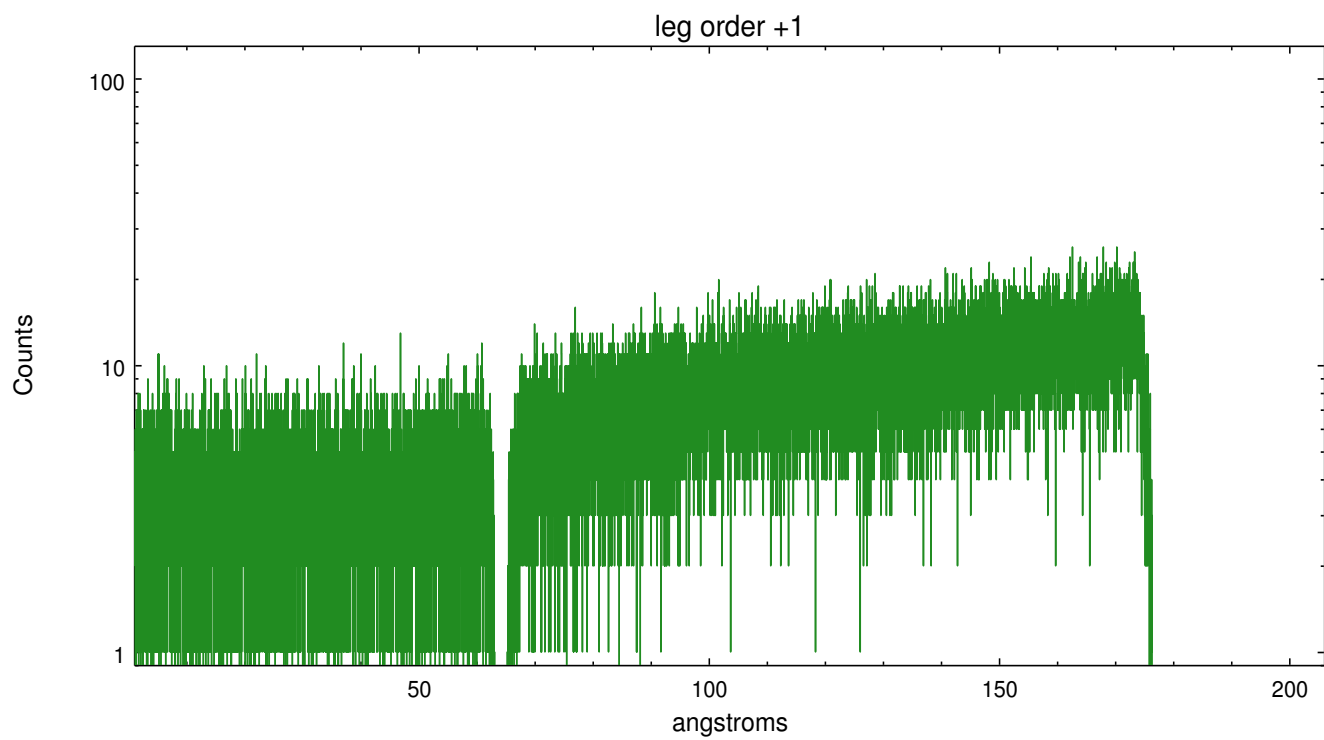
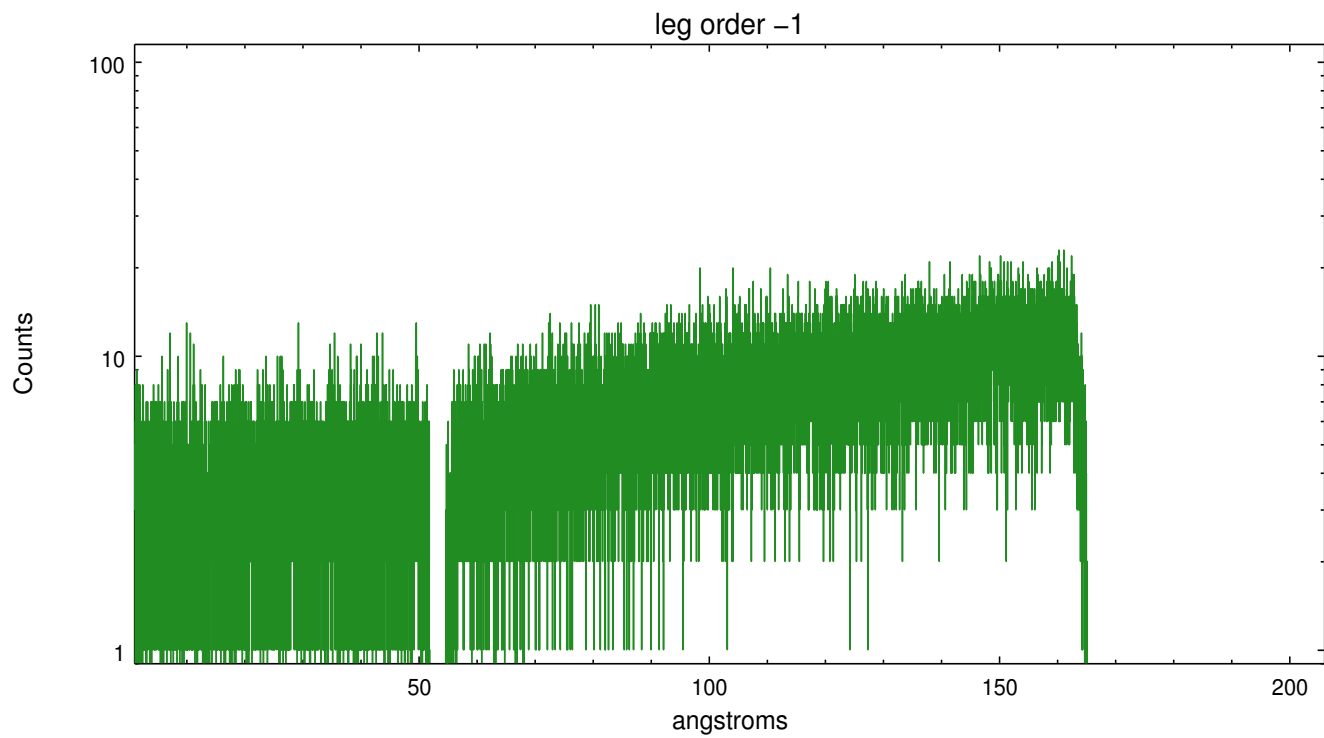


3 Gratings

3.1 LETG Arm



LETG Zero Order



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.01.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	83.739

A.2 Comments