

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 20884 - L2 Version 1
Chandra X-Ray Center

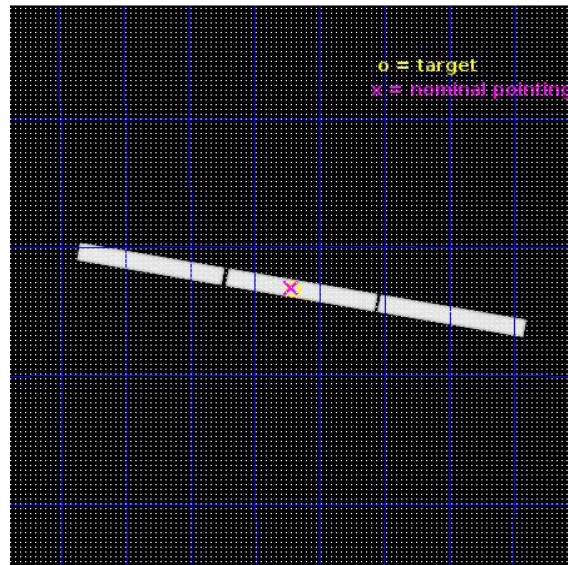
L2 Processing Date : Dec 12 2017

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
3	Gratings	17
3.1	LETG Arm	17
A	Summary	19
A.1	Status	19
A.2	Comments	19

1 Front

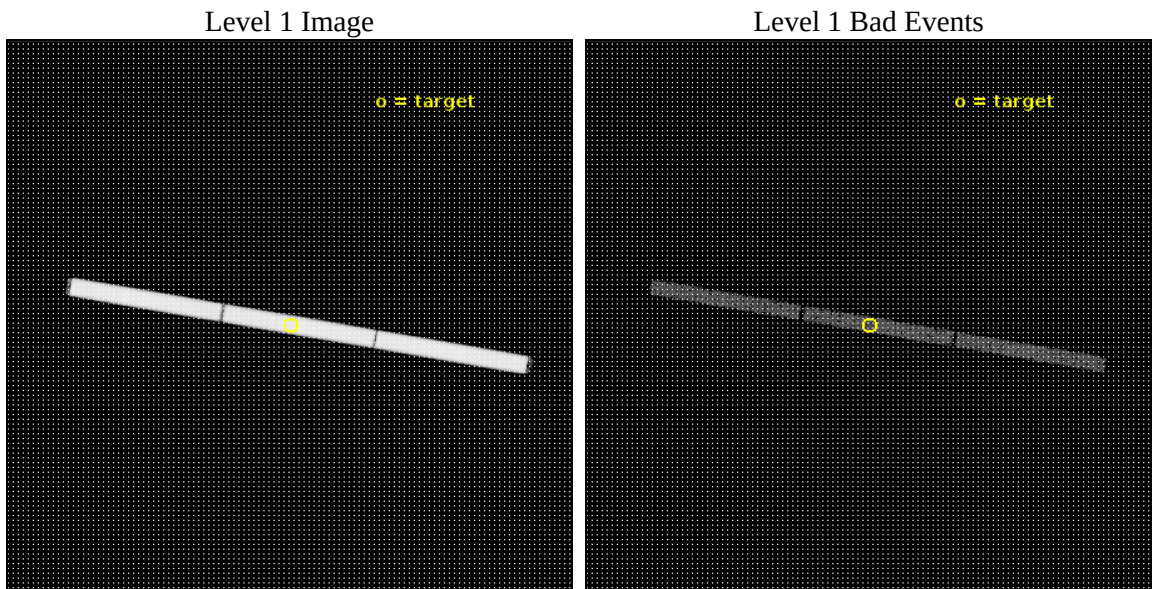
seq_num	201155	Sequence number
obs_id	20884	Observation id
title	Coronal Properties at the Edge of Coronal Viability	Proposal title
observer	Brian Wood	Principal investigator
object	Eta Lep	Source name
ra_targ	89.10125	Observer's specified target RA [deg]
dec_targ	-14.167694	Observer's specified target Dec [deg]
ra_nom	89.109240736144	Nominal RA [deg]
dec_nom	-14.159730594021	Nominal Dec [deg]
roll_nom	10.069294218435	Nominal Roll [deg]
revision	1	Processing version of data
ontime	38413.92725718	[s]
livetime	38047.538413542	Ontime multiplied by DTCOR
l2events	3246730	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	38441.000000	[s] Scheduled observation exposure time
ascdsver	10.6	Processing system revision	ontime	38413.92725718	[s]
caldbver	4.7.6	 	l1events	4180521	Number of level 1 events
date	2017-12-12T13:57:48	Date and time of file creation	tgmethod	TGDETECT	Method used to create src1a file
revision	1	Processing version of data	zo_pos	(32991.53, 32564.43)	src1a sky pixel position

2.1.3 Events

Level 1 Events

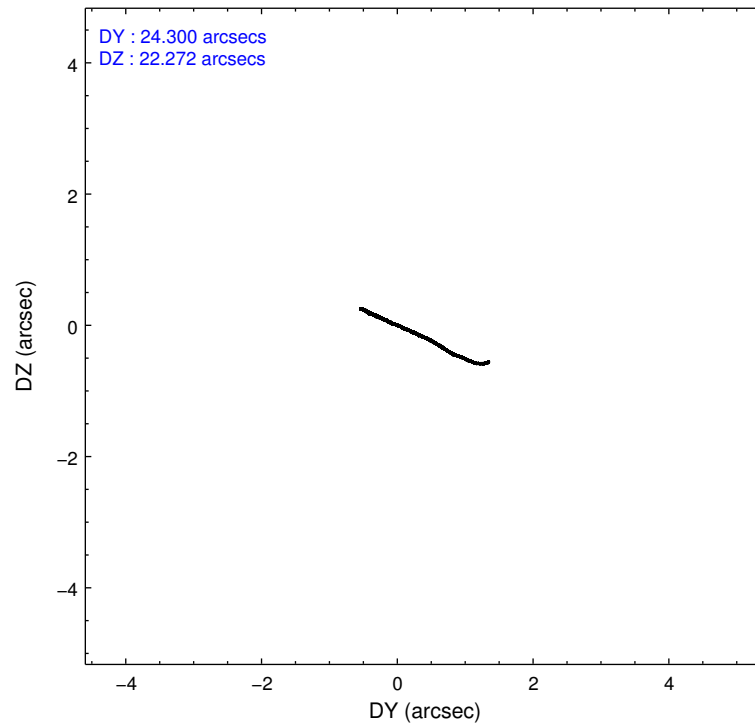
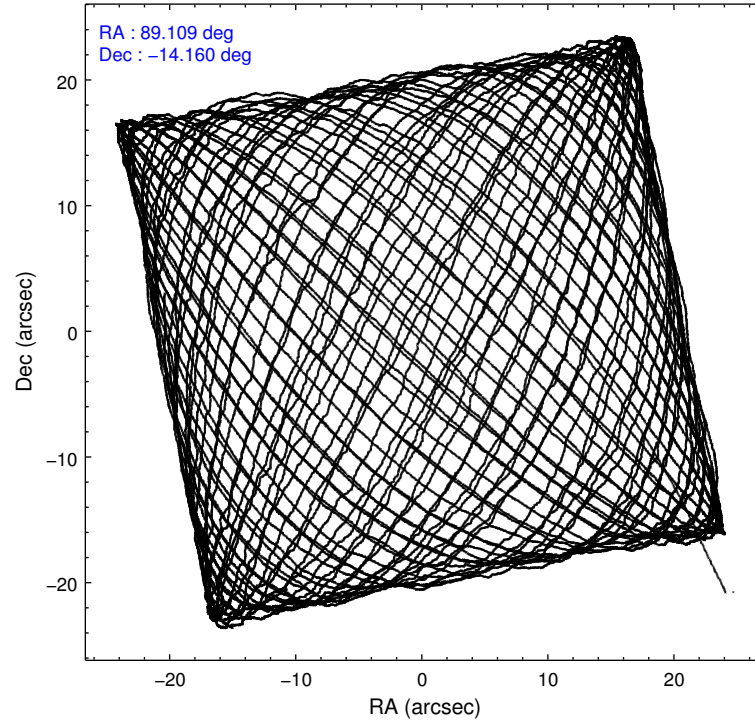
	segment 1	segment 2	segment 3
level 1 events	1398873	1390860	1390788
rejected events	55405	53614	53224
rejected %	3%	3%	3%

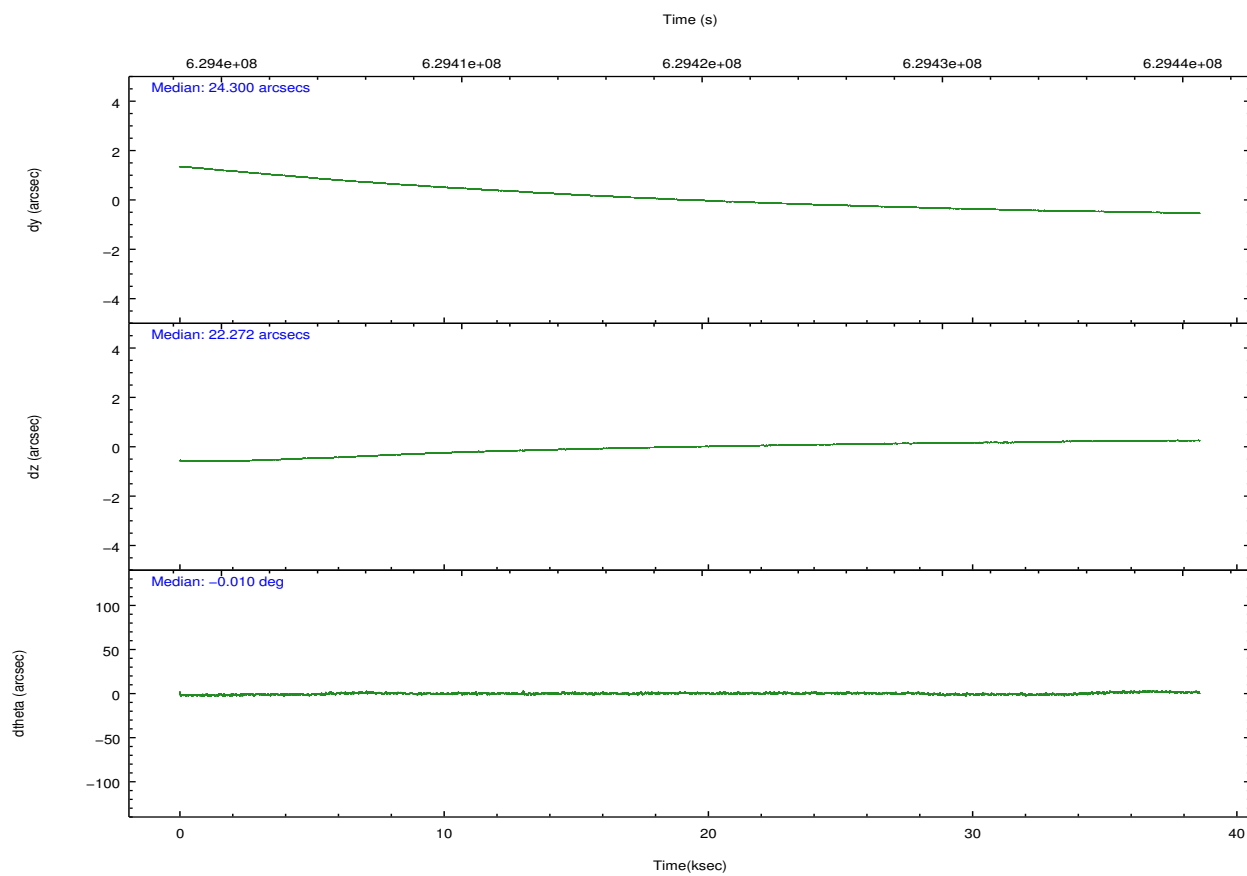
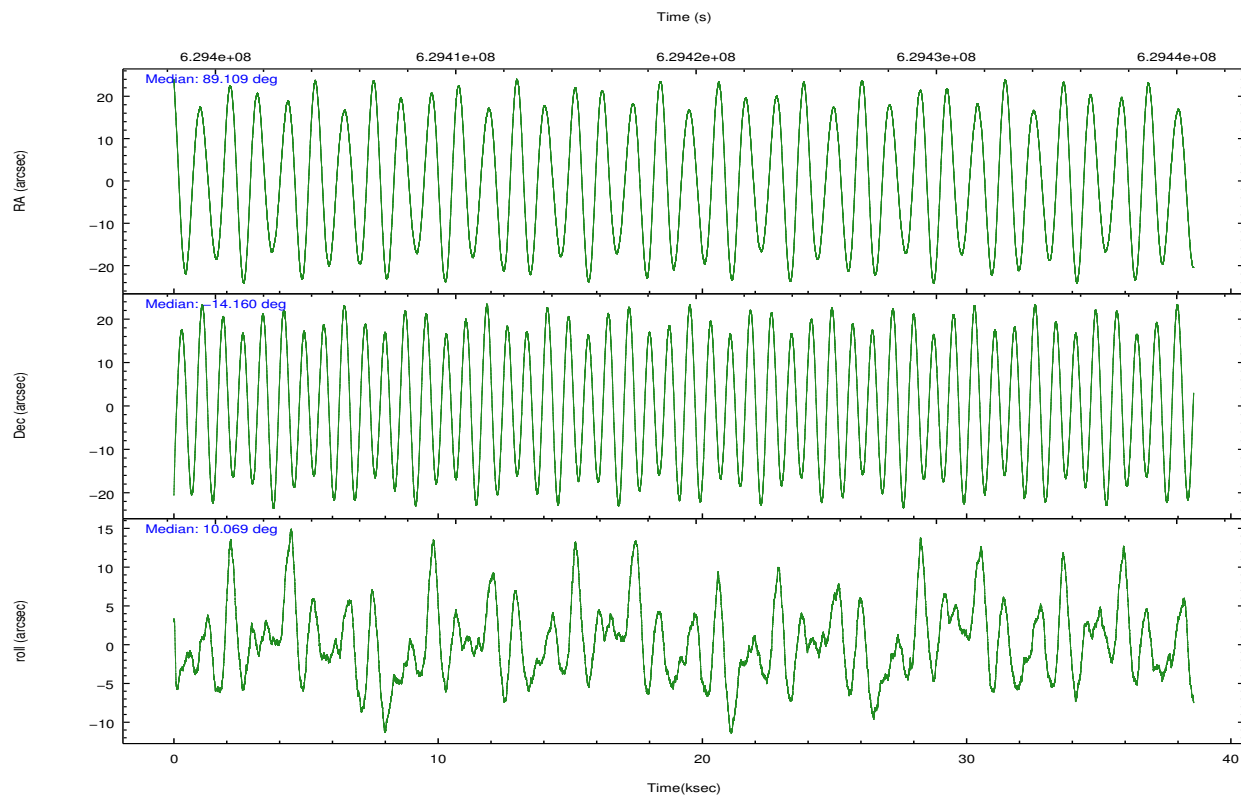
2.2 Compared Parameters

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	89.087420	89.10924073614444
[deg] Pointing Dec	-14.179352	-14.15973059402125
[deg] Pointing Roll	9.996615	10.06929421843523
[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)	629400348.184000	629399003.724
Observation start date	2017-12-11T17:24:39	2017-12-11T17:03:23
[s] Observation end time (MET)	629438789.184000	629439775.6639
Observation end date	2017-12-12T04:05:20	2017-12-12T04:22:55

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

2.3 Aspect



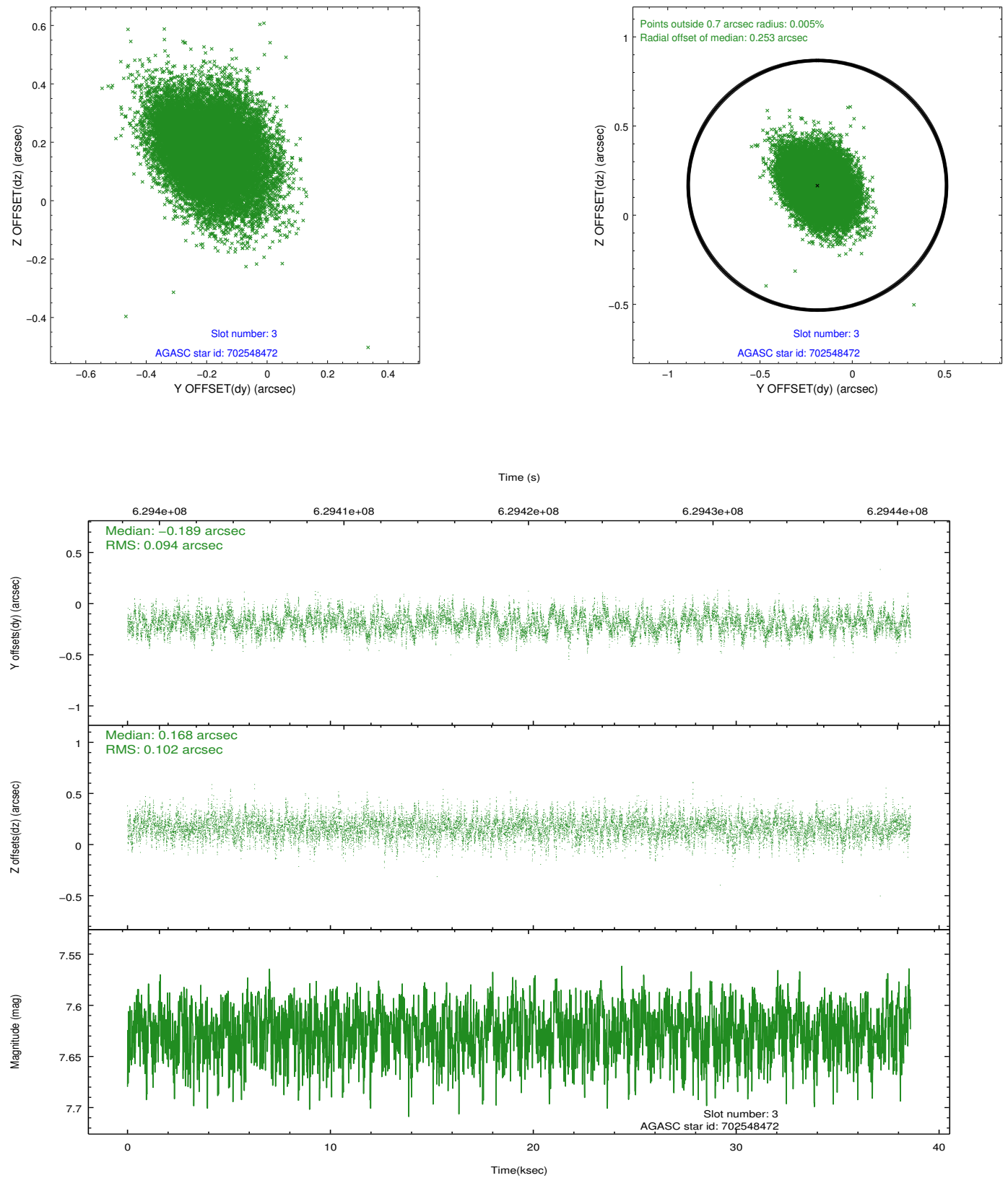


Slot Statistics

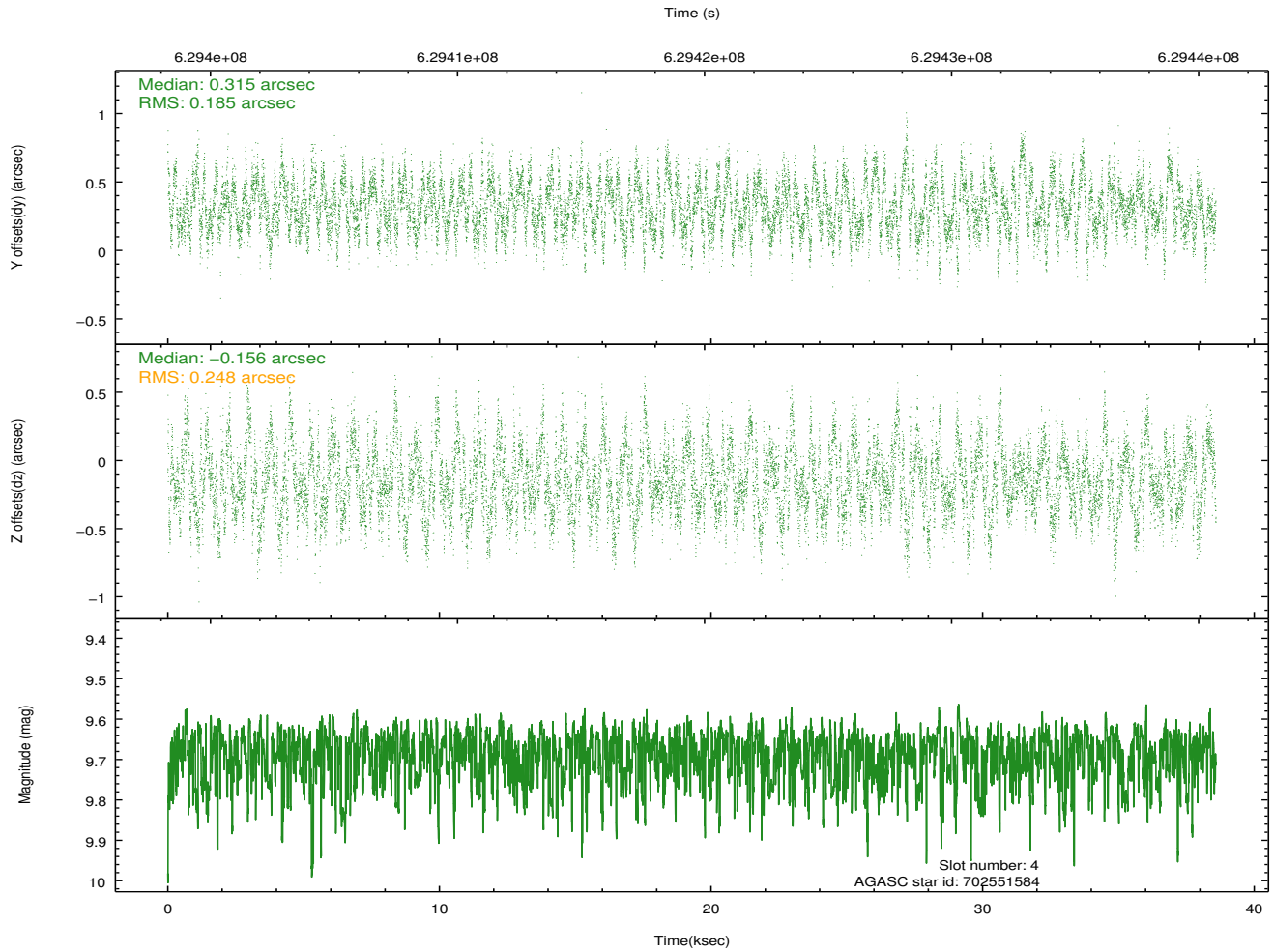
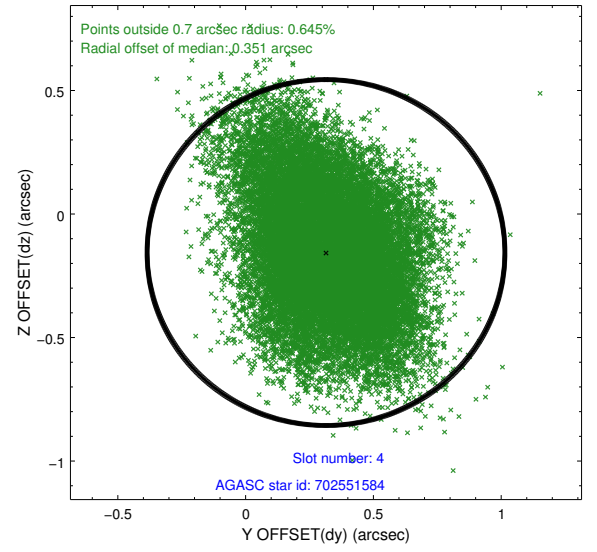
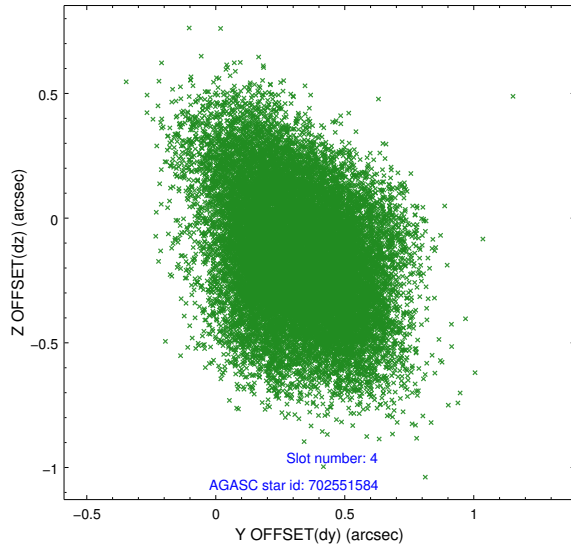
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.10	9411	-0.102	-0.156	0.020	0.035	0.000000	0.000000	-1179.20	-471.43
1	FID		HRC-S-2	7.06	9413	0.432	-0.132	0.025	0.069	0.000000	0.000000	1220.90	-463.82
2	FID		HRC-S-3	7.06	9412	0.055	-0.014	0.017	0.039	0.000000	0.000000	-1181.76	558.19
3	GUIDE	used	702548472	7.63	18822	-0.189	0.168	0.146	0.240	89.709237	-14.206529	2119.78	-475.53
4	GUIDE	used	702551584	9.68	18751	0.315	-0.156	0.327	0.537	88.542542	-13.927750	-1717.43	1221.20
5	GUIDE	used	702555016	6.67	18827	0.001	0.082	0.139	0.243	88.494586	-14.127162	-2005.93	542.54
6	GUIDE	used	702555560	8.61	18809	0.112	0.010	0.155	0.260	88.792753	-13.982943	-890.61	874.04
7	GUIDE	used	702556264	9.35	18787	-0.243	-0.110	0.219	0.370	89.260224	-13.874731	785.22	973.47

2.4 Star Slots

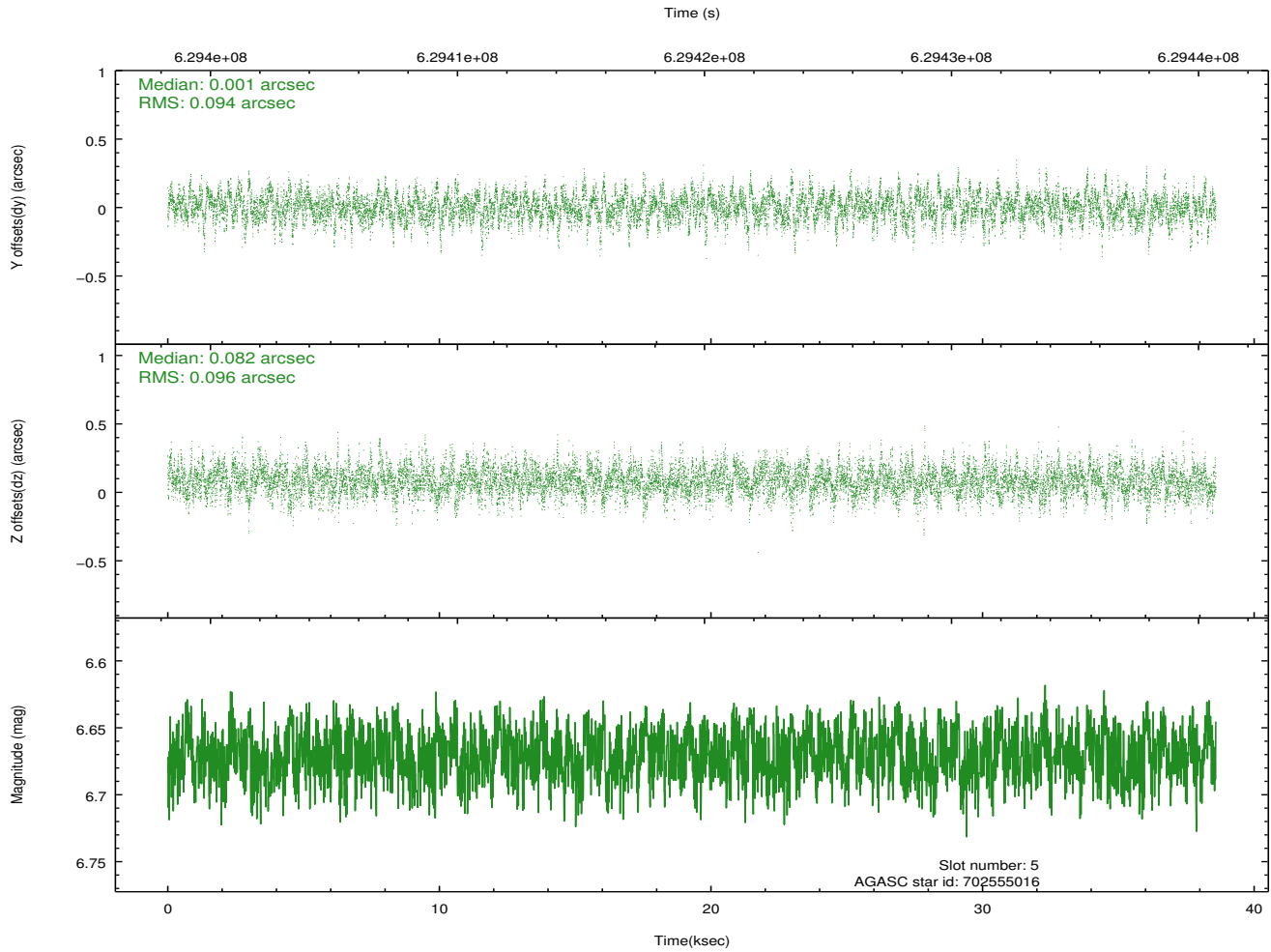
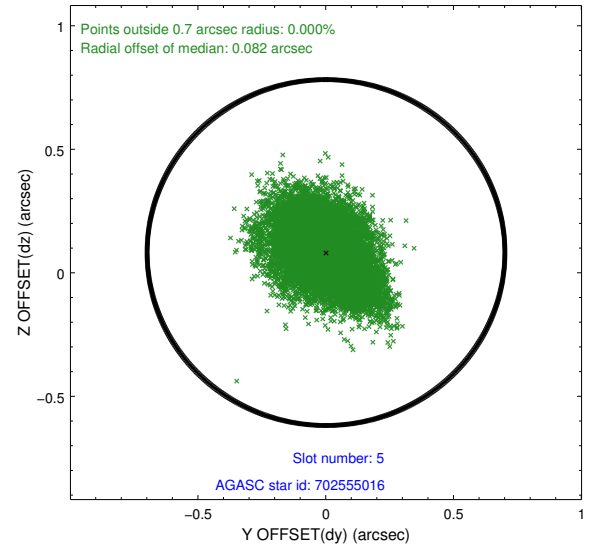
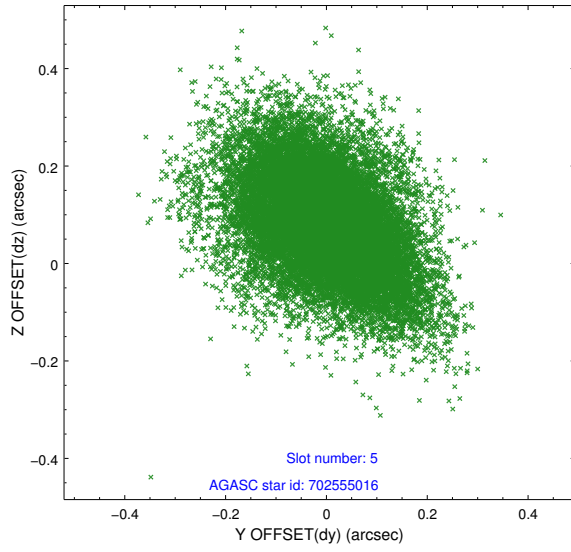
2.4.1 Slot 3



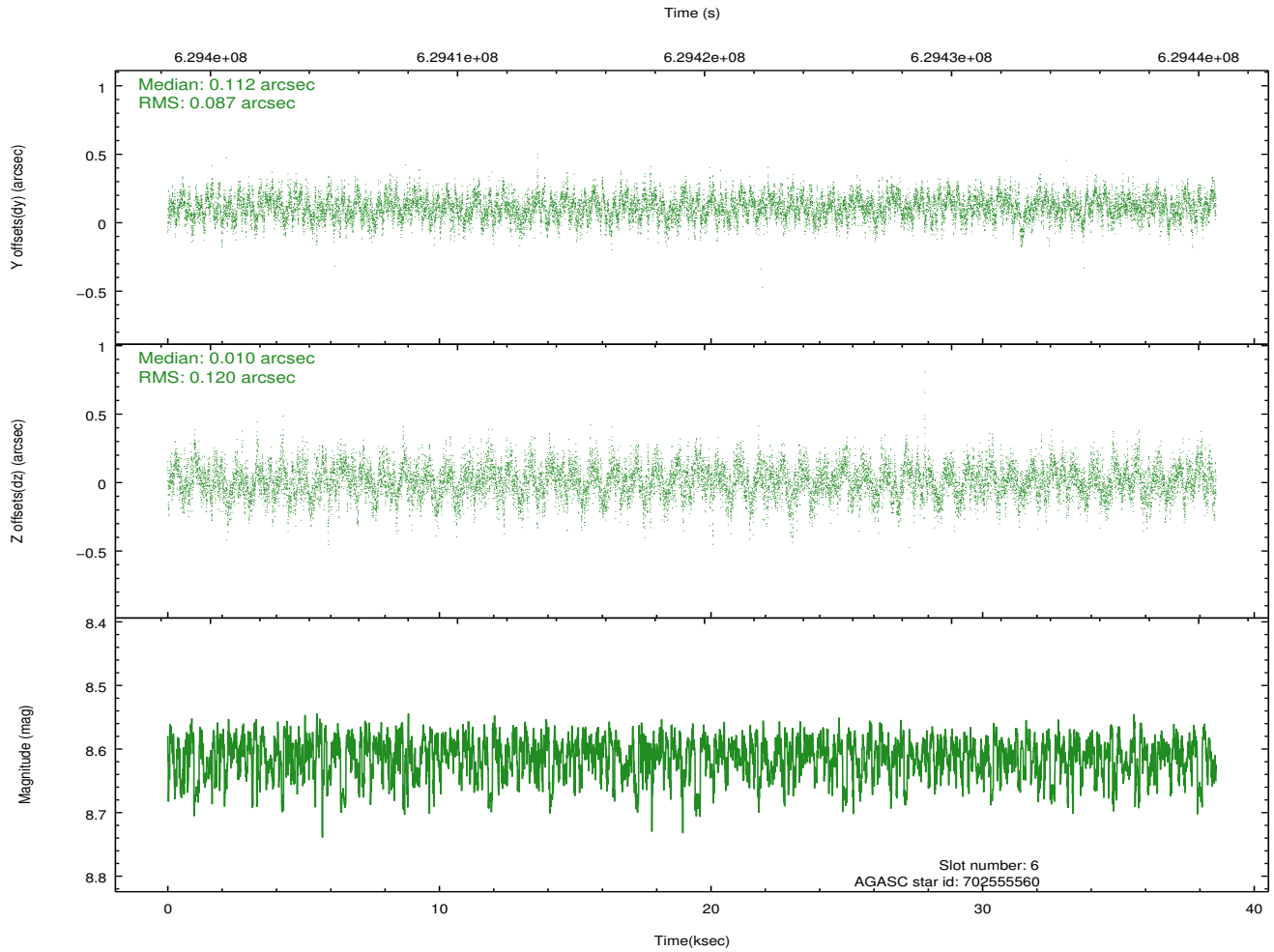
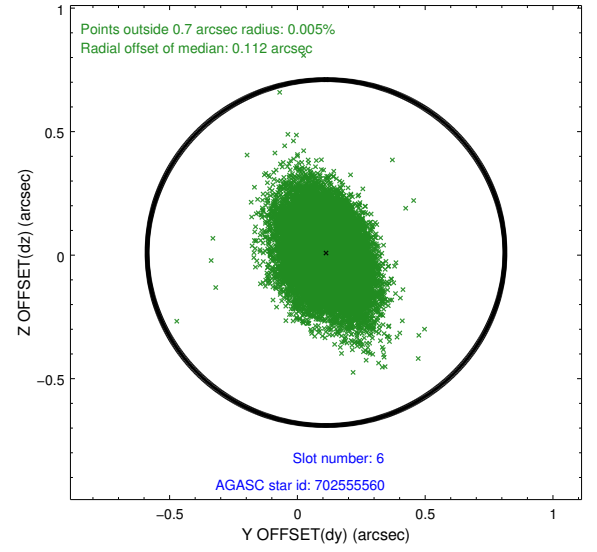
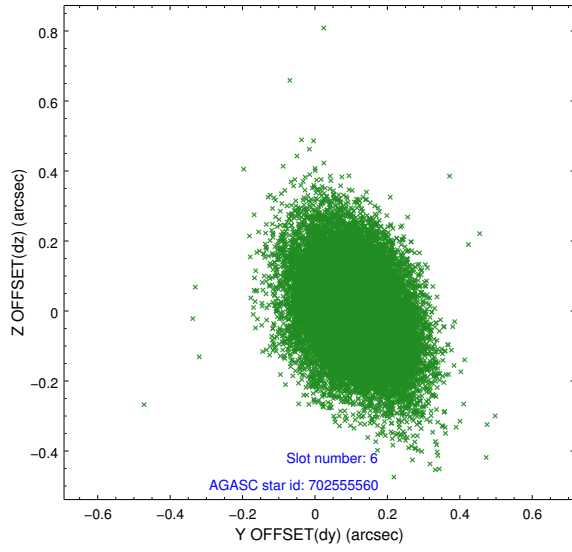
2.4.2 Slot 4



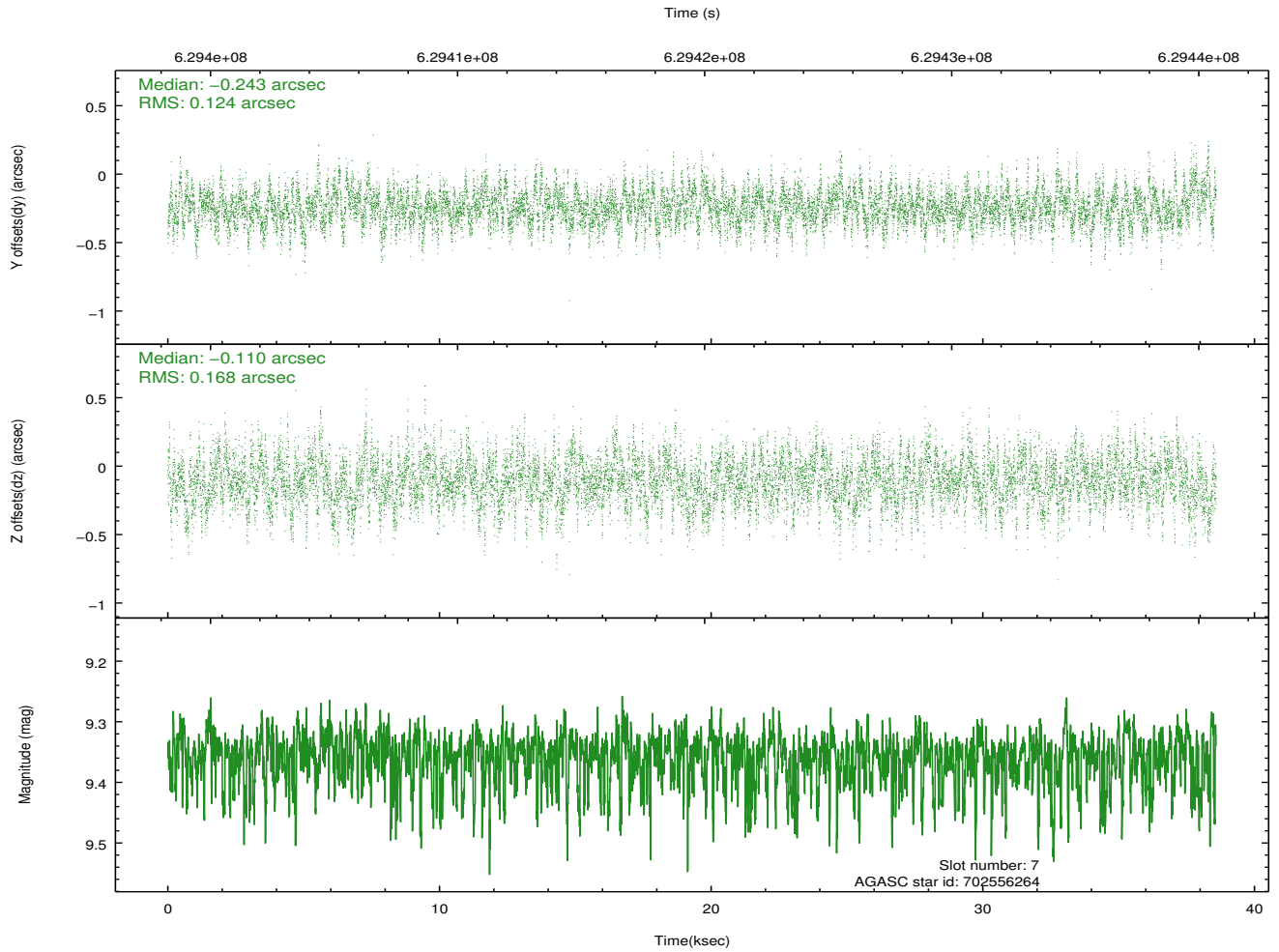
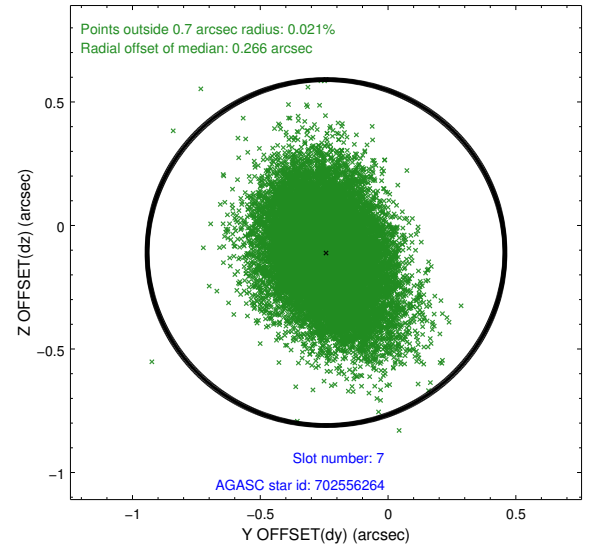
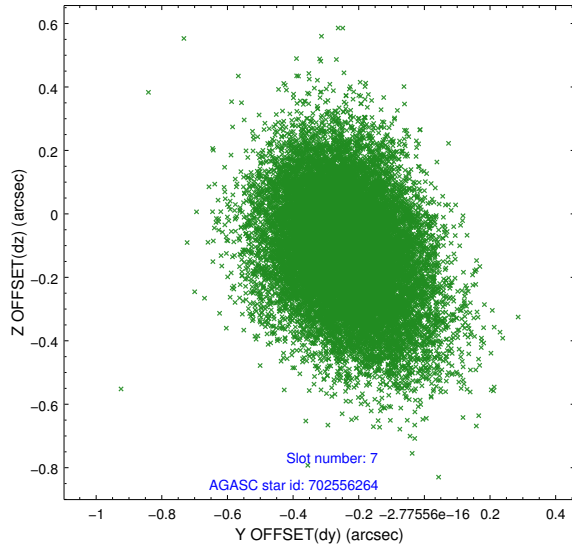
2.4.3 Slot 5



2.4.4 Slot 6

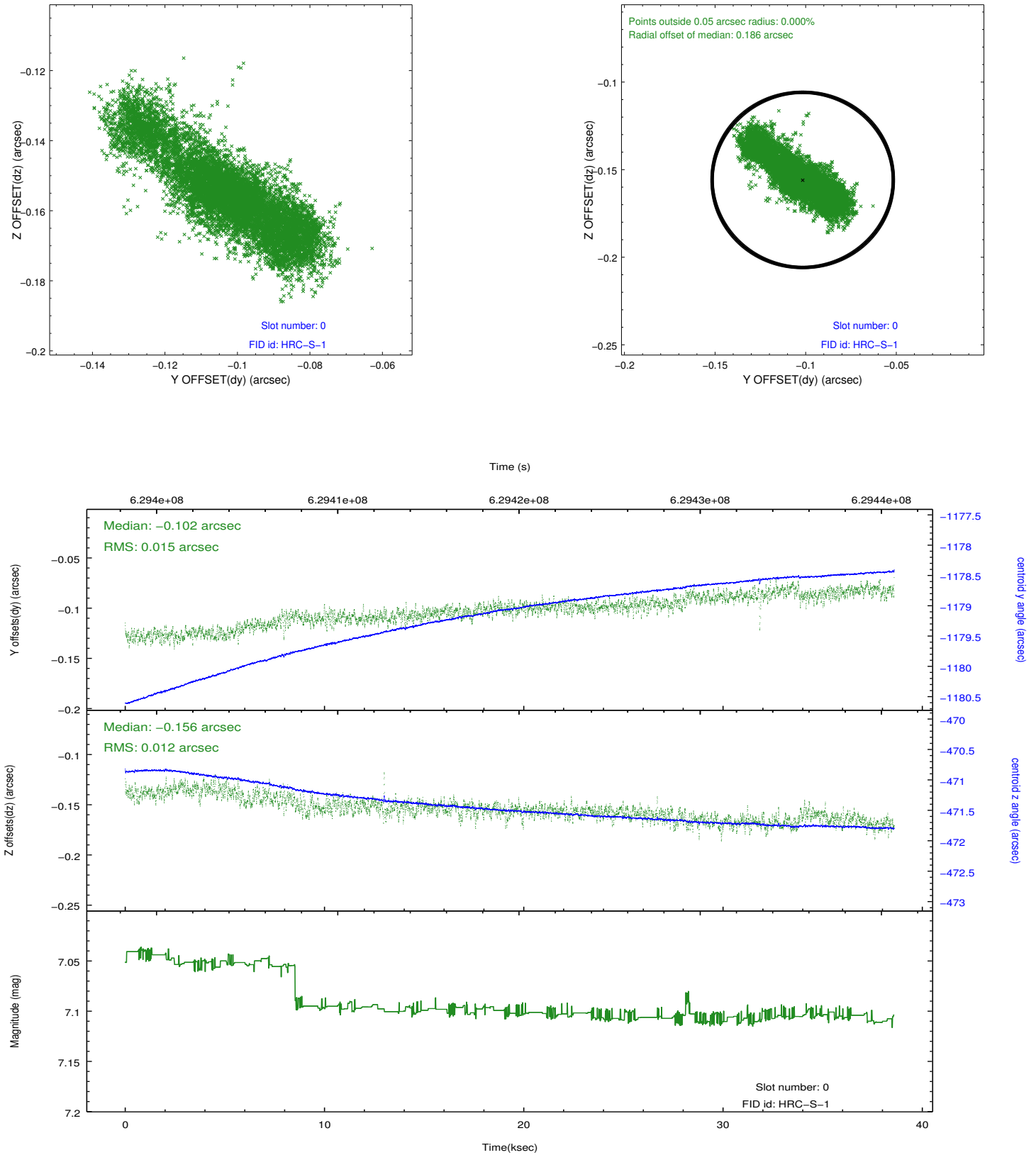


2.4.5 Slot 7

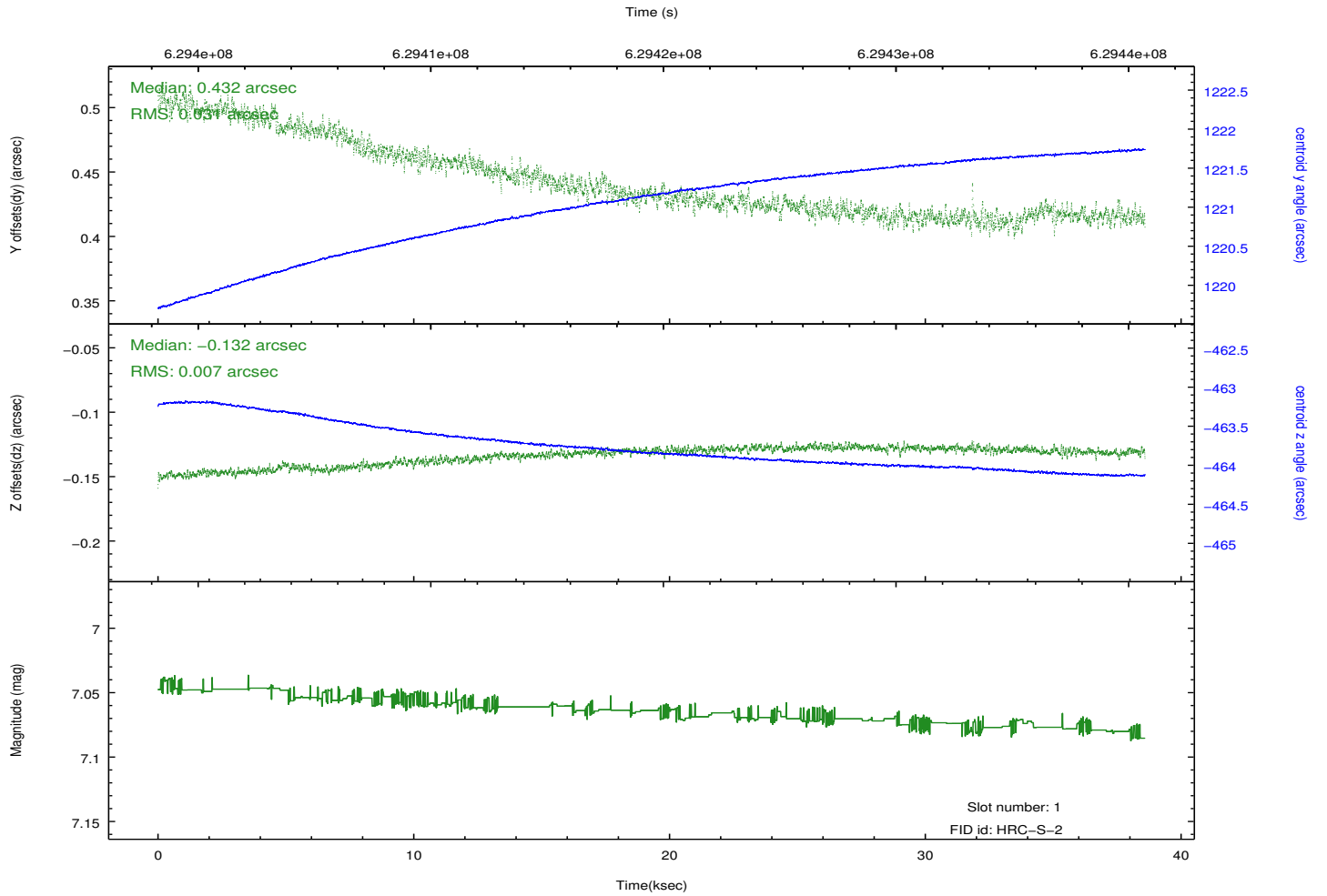
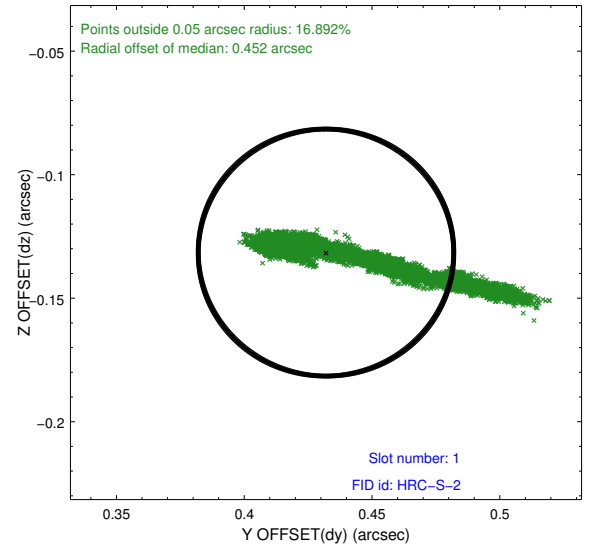
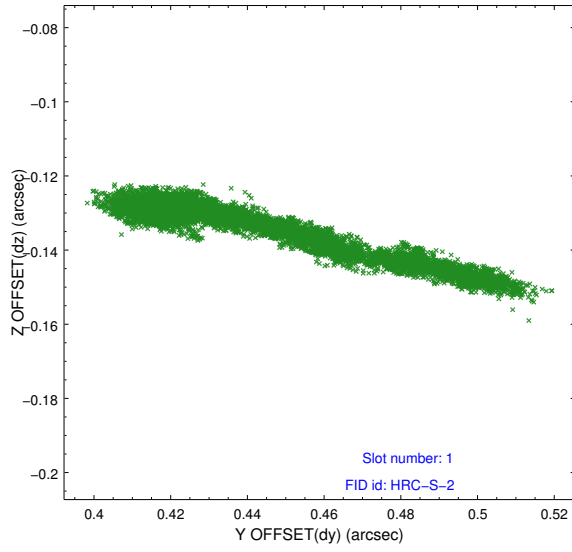


2.5 FID Slots

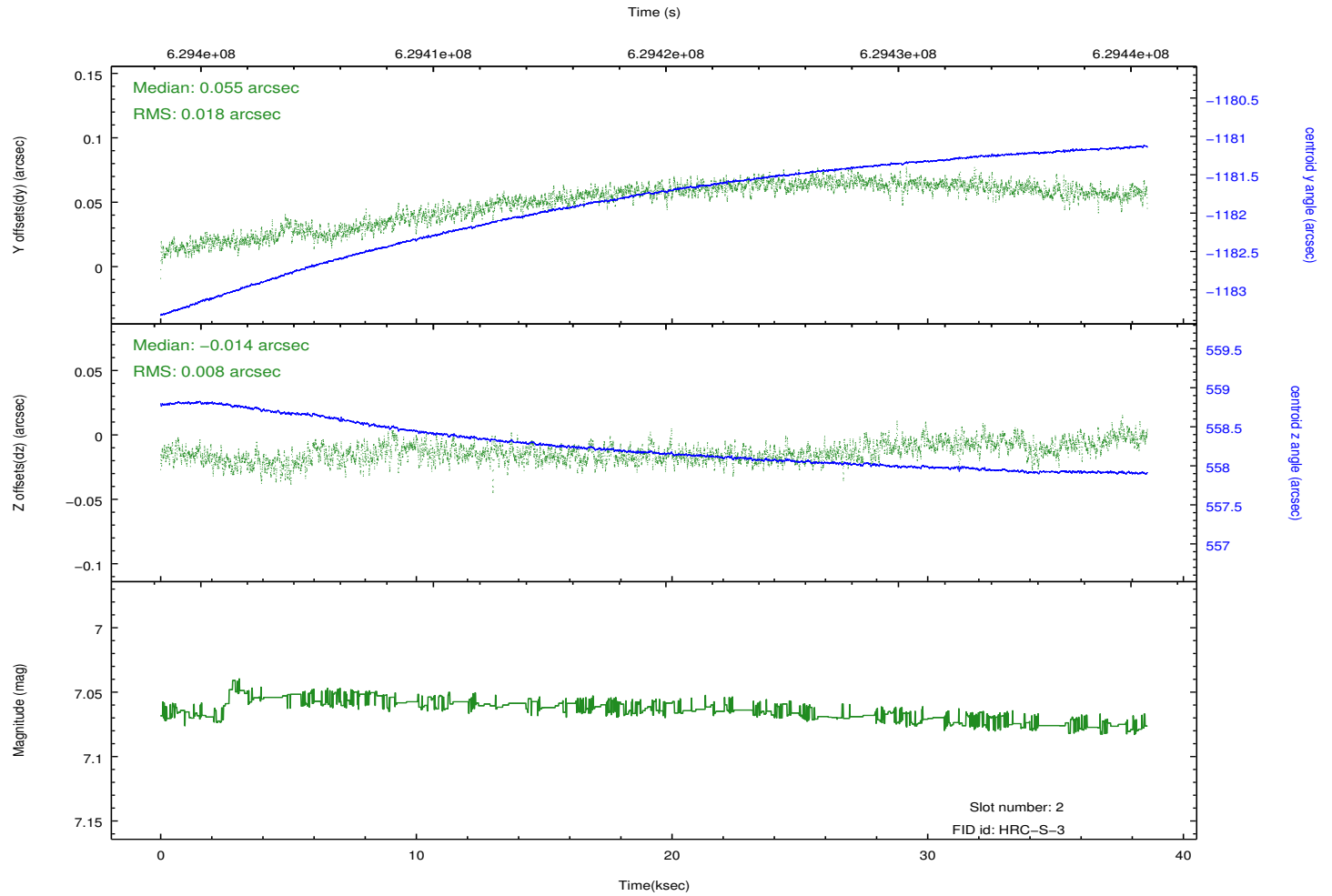
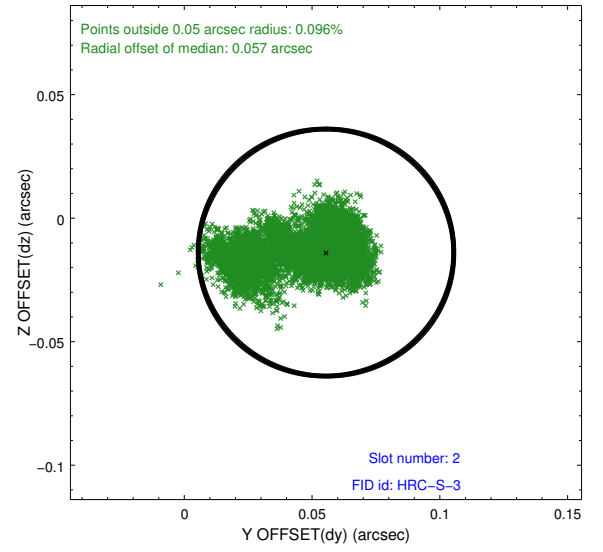
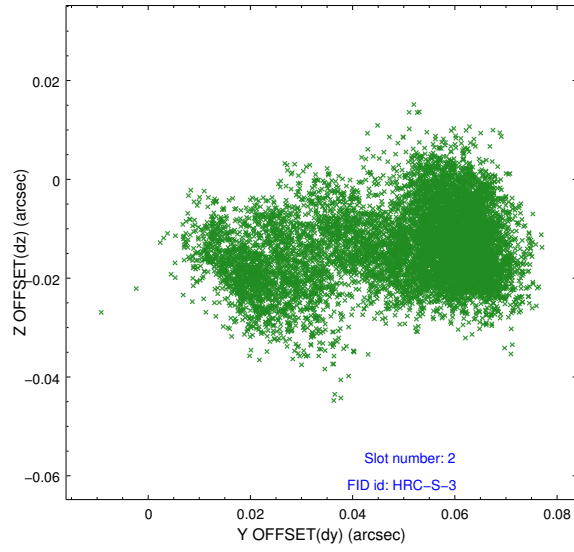
2.5.1 Slot 0



2.5.2 Slot 1

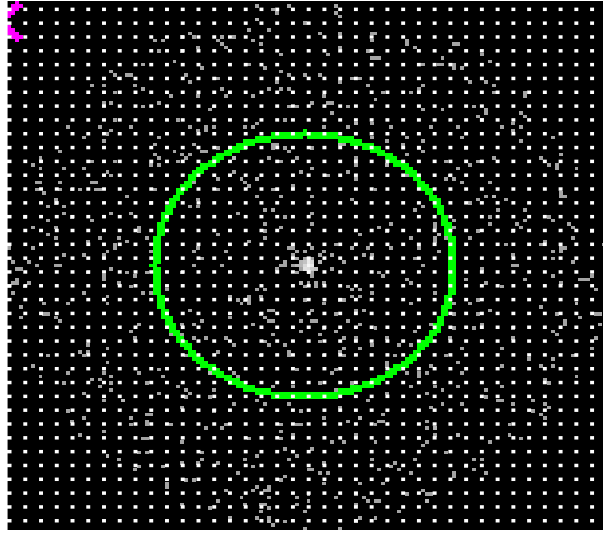


2.5.3 Slot 2

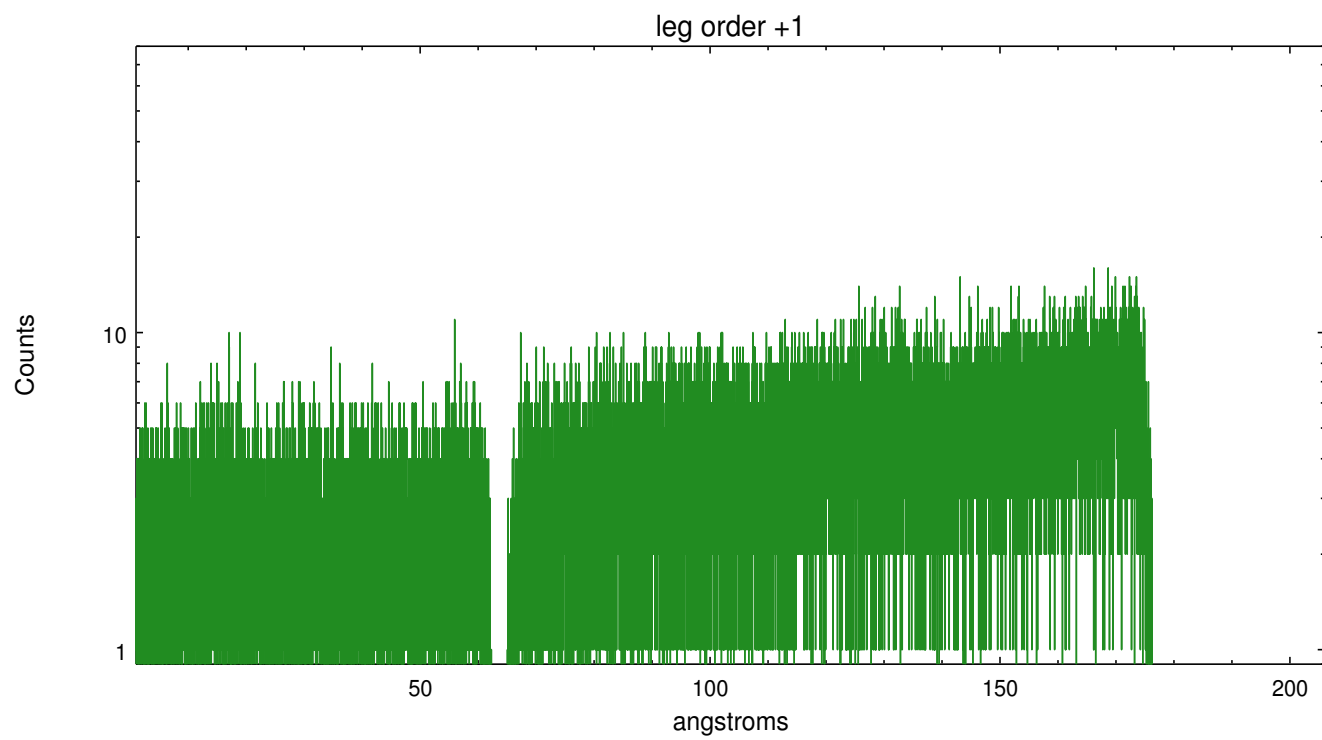
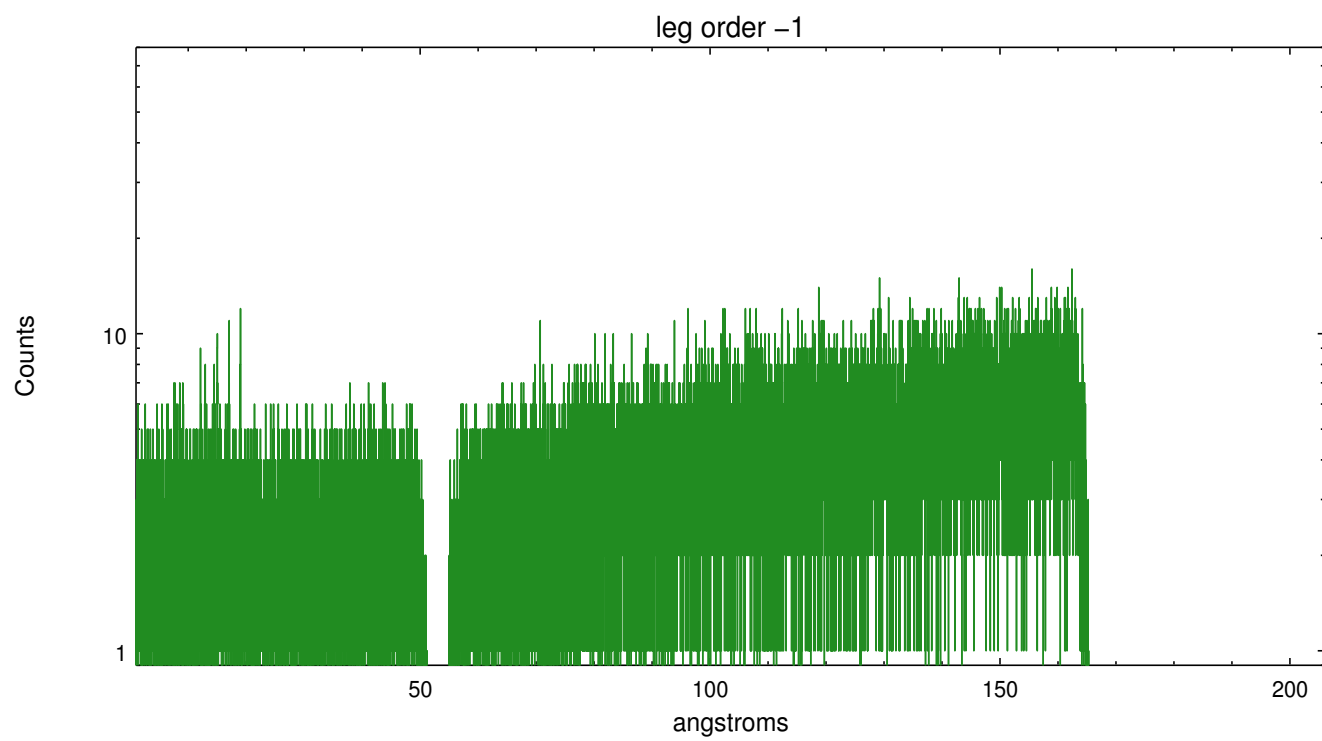


3 Gratings

3.1 LETG Arm



LETG Zero Order



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2017.12.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	38.41392725718

A.2 Comments