

V&V Reference Report

L2 ASCDS Version : 7.6.7

Observation 5581 - L2 Version 002
Chandra X-Ray Center

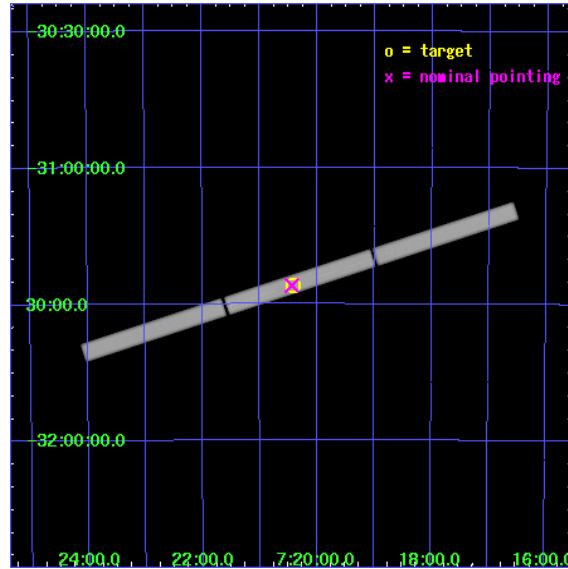
L2 Processing Date: Feb 18 2006

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

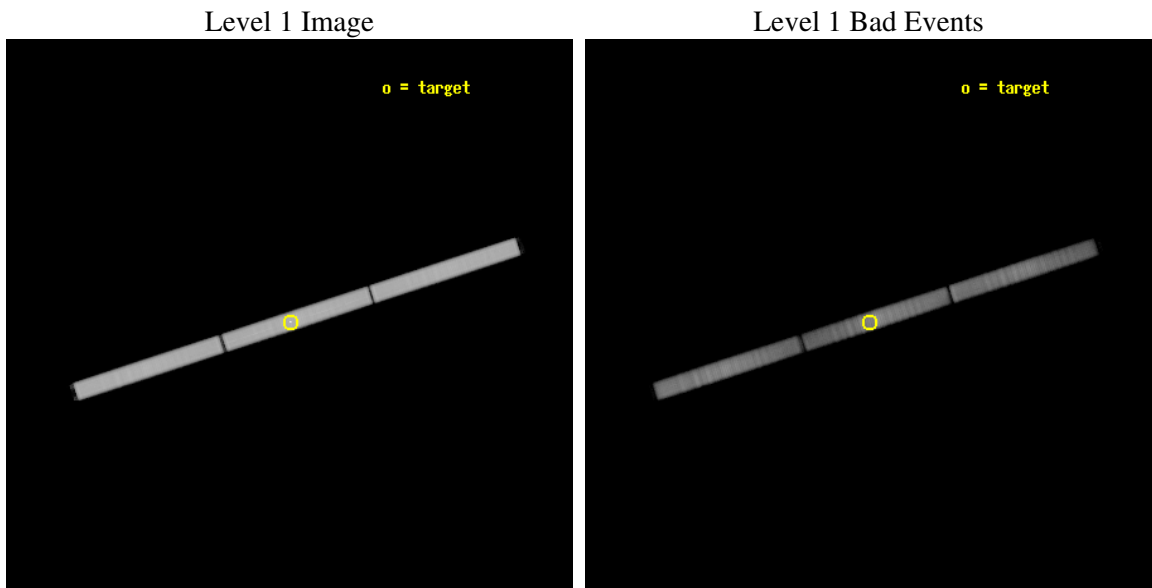
seq_num	500570
obs_id	5581
title	Spectra of Neutron Stars with Strongly Magnetized Hydrogen Atmospheres
observer	Prof. Marten van Kerkwijk
object	RX J0720.4-3125
ra_targ	110.104167
dec_targ	-31.430611
ra_nom	110.10933578828
dec_nom	-31.432163783904
roll_nom	341.94619740223
revision	2
ontime	68196.584318548
livetime	67710.145420489
l2events	4038218



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1
ascdsver	7.6.7
caldbver	3.2.1
date	2006-02-18T09:19:16
revision	2

sched_exp_time	68010.000000
ontime	68197.609328598
l1events	5775595

2.1.3 Events

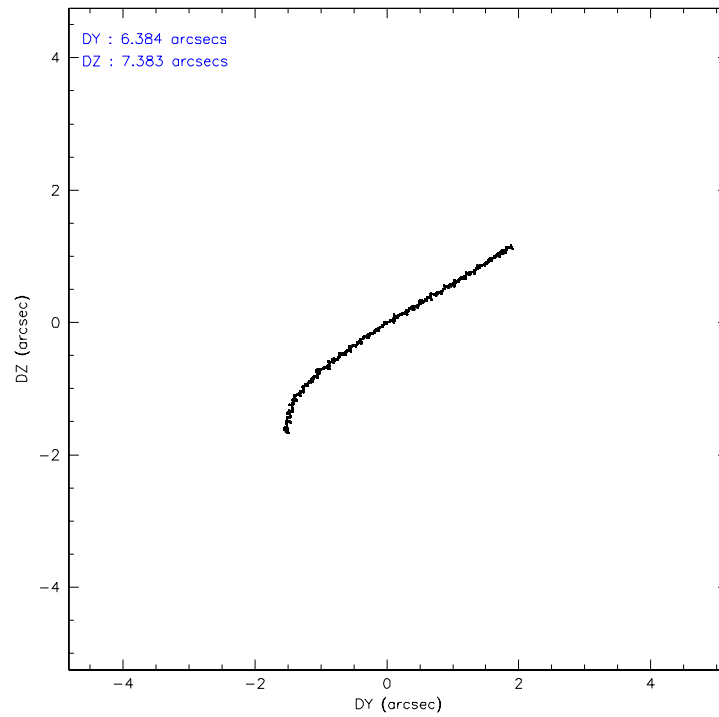
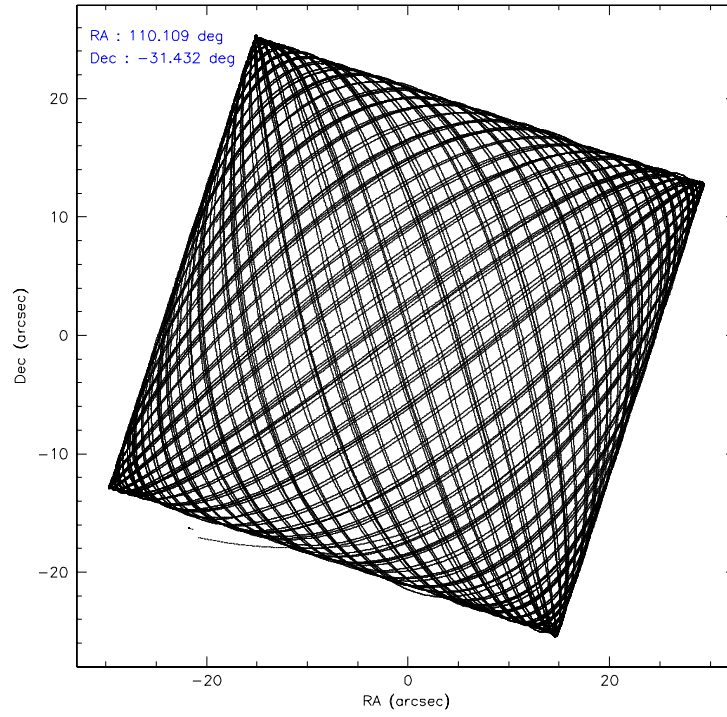
Level 1 Events

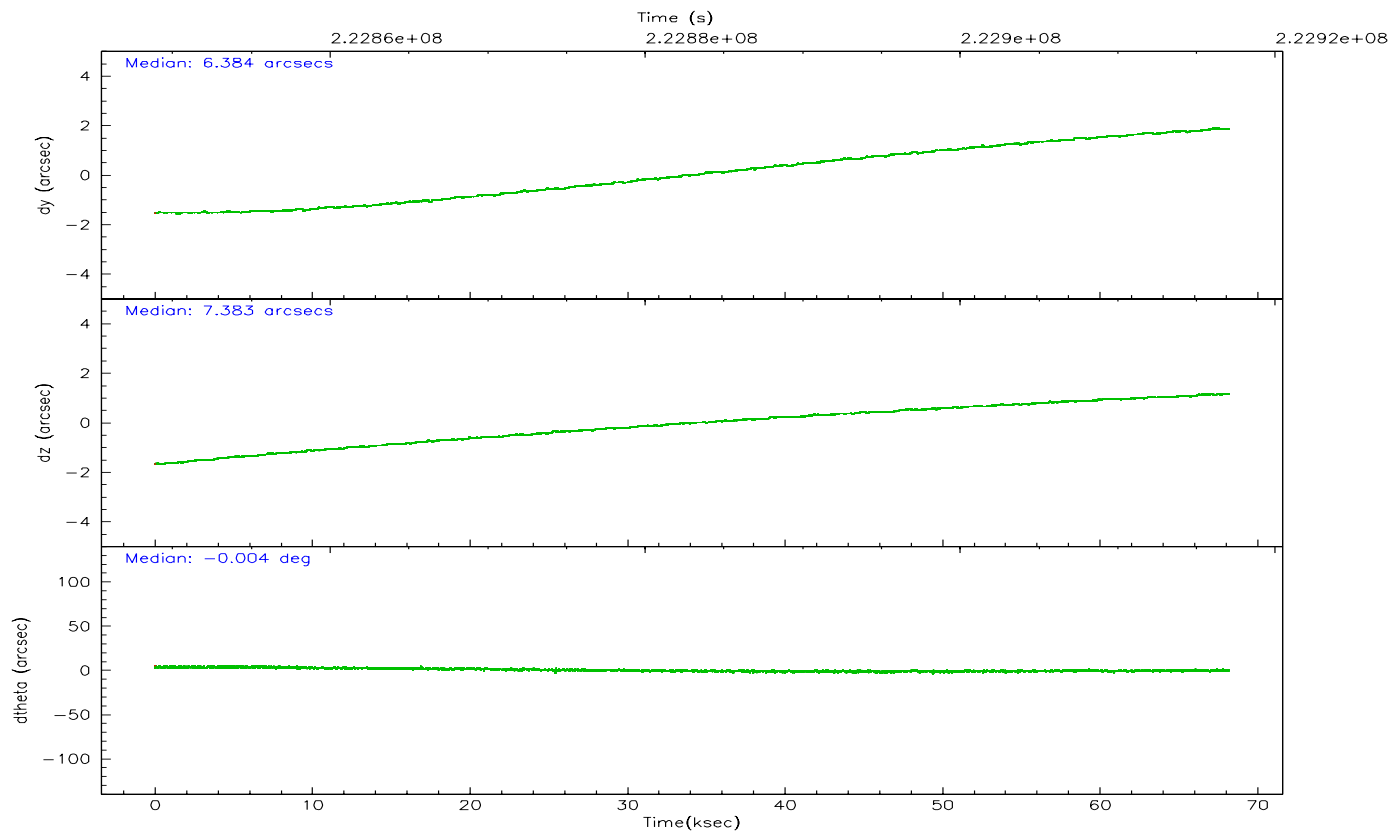
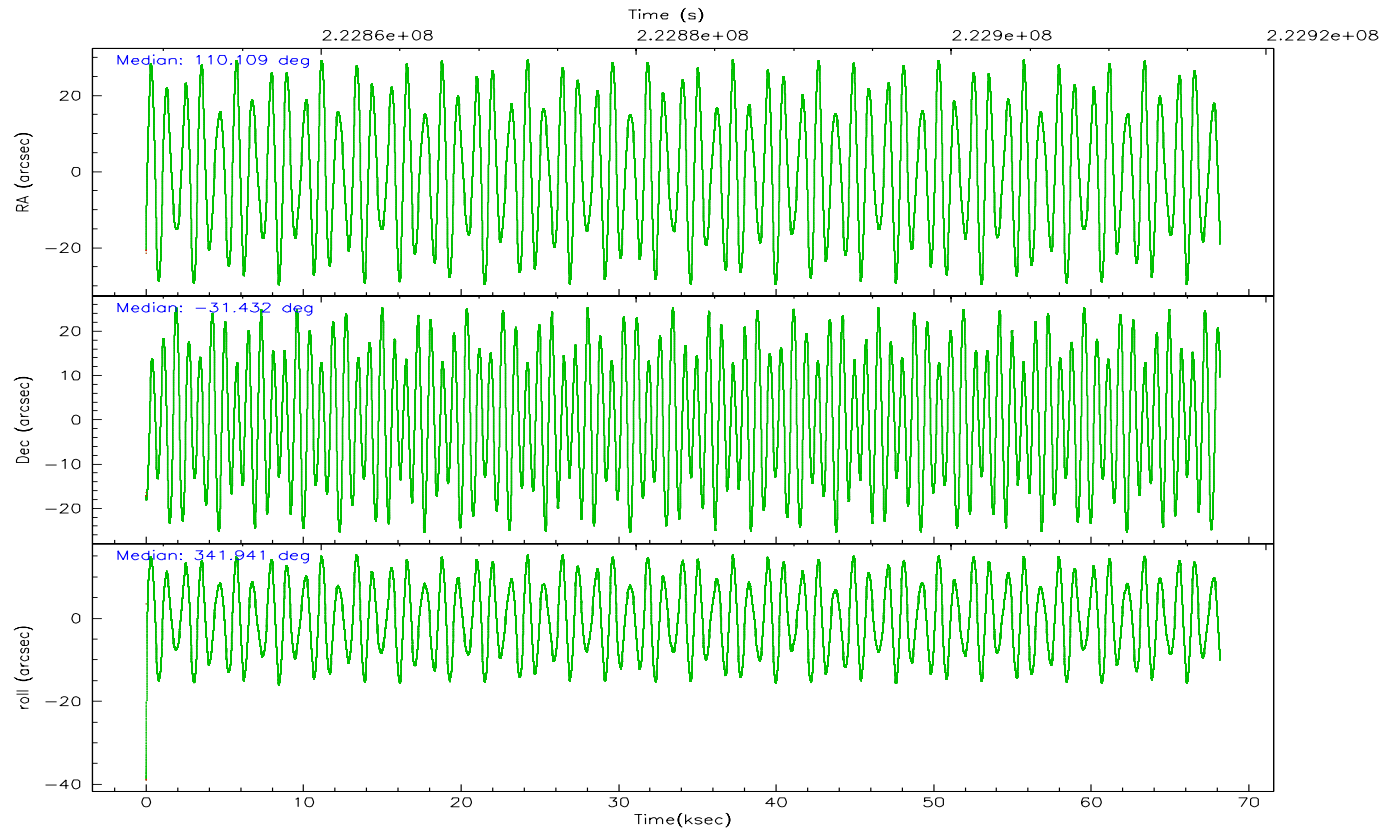
	segment 1	segment 2	segment 3
level 1 events	1936879	1921177	1917539
rejected events	366537	399453	447796
rejected %	18%	20%	23%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
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			
Pointing RA	110.076923	110.1093357882847			
Pointing Dec	-31.439485	-31.43216378390356			
Pointing Roll	341.861961	341.9461974022286			
SIM focus pos (mm)	-1.429586	-1.428180813131781			
SIM defocus (mm)	0.1037507710433287	0.1051558262725154			
SIM translation stage pos (mm)	250.455976	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	222849064.184000	222848172.19871			
Observation start date	2005-01-23T06:30:00	2005-01-23T06:16:12			
Observation end time	222917074.184000	222918178.67687			
Observation end date	2005-01-24T01:23:30	2005-01-24T01:42:58			

2.3 Aspect



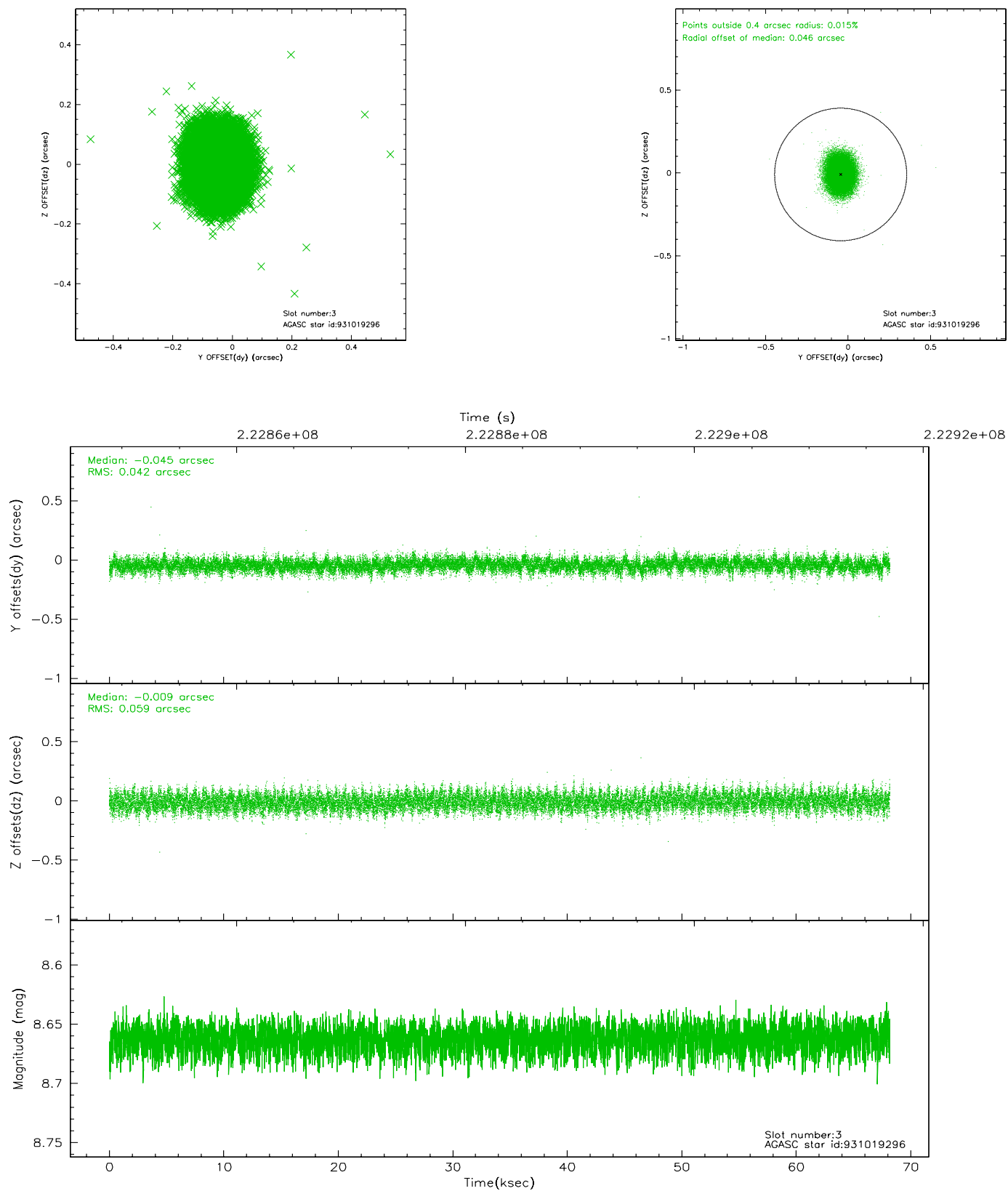


Slot Statistics

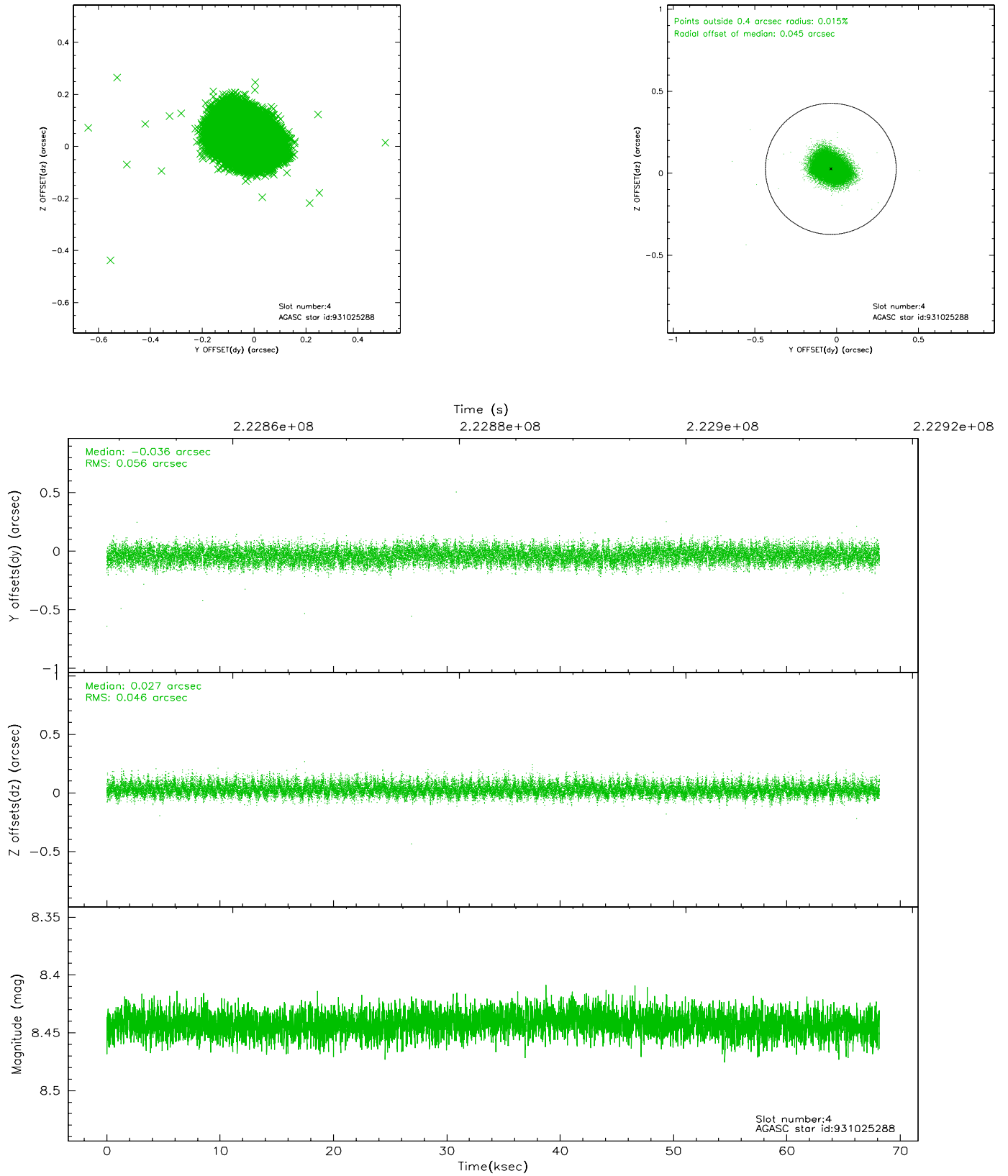
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.01	16632	0.115	-0.122	0.030	0.060	0.000000	0.000000	-1160.57	-455.88
1	FID	HRC-S-2	7.01	16632	0.152	-0.104	0.016	0.025	0.000000	0.000000	1239.07	-448.50
2	FID	HRC-S-3	7.02	16633	0.122	-0.072	0.025	0.053	0.000000	0.000000	-1163.22	573.69
3	GUIDE	931019296	8.66	33258	-0.045	-0.009	0.077	0.125	109.471771	-31.694370	-1474.16	-1454.27
4	GUIDE	931025288	8.44	33258	-0.036	0.027	0.077	0.124	109.511084	-30.937793	-2221.33	1168.14
5	GUIDE	931163512	8.47	33254	0.053	0.038	0.070	0.112	110.894384	-31.299941	2236.15	1251.74
6	GUIDE	931695048	7.39	33267	0.015	0.013	0.100	0.165	110.648539	-32.046020	2339.16	-1536.05
7	GUIDE	931160352	8.64	33254	0.010	-0.072	0.091	0.144	110.268138	-30.864891	-82.34	2149.30

2.4 Star Slots

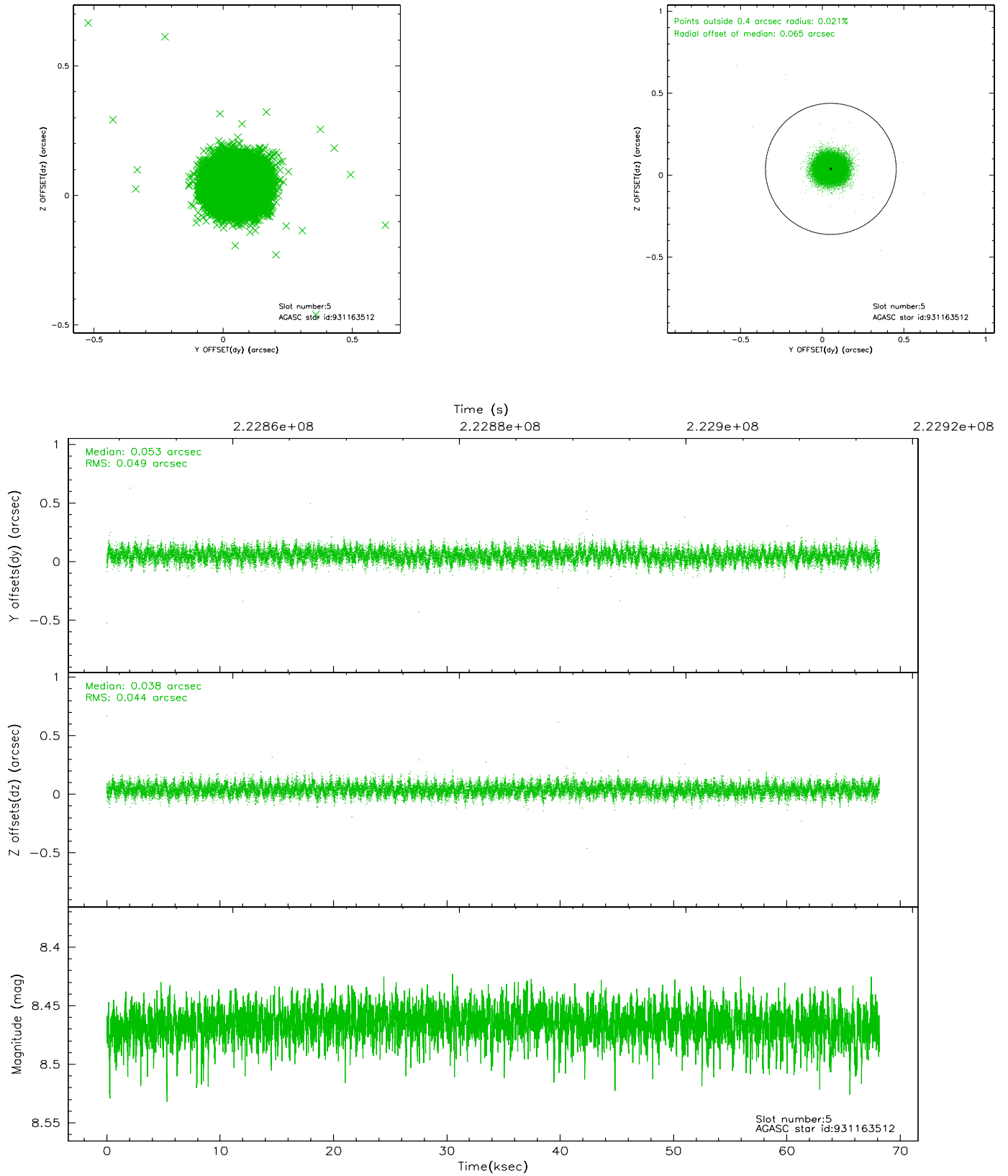
2.4.1 Slot 3



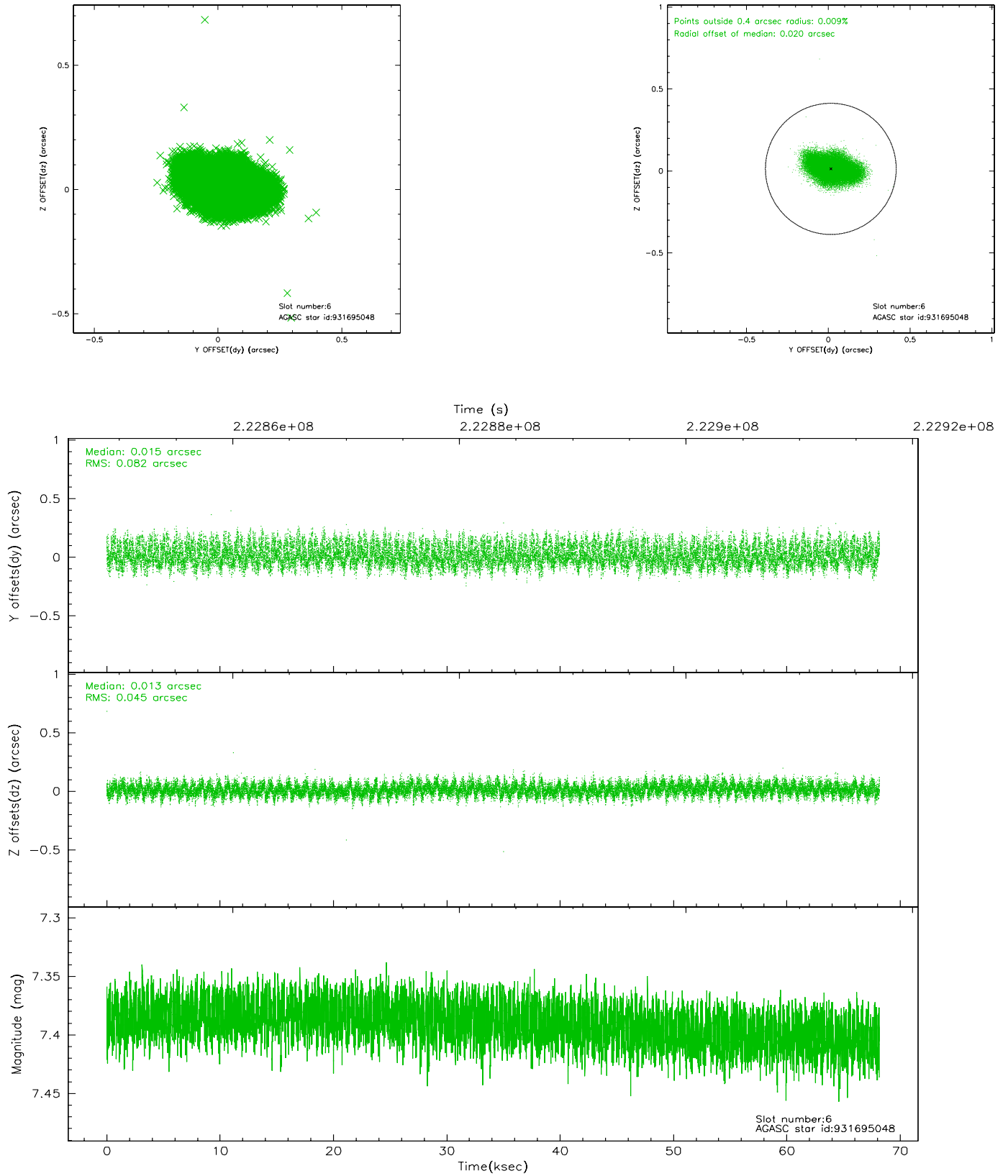
2.4.2 Slot 4



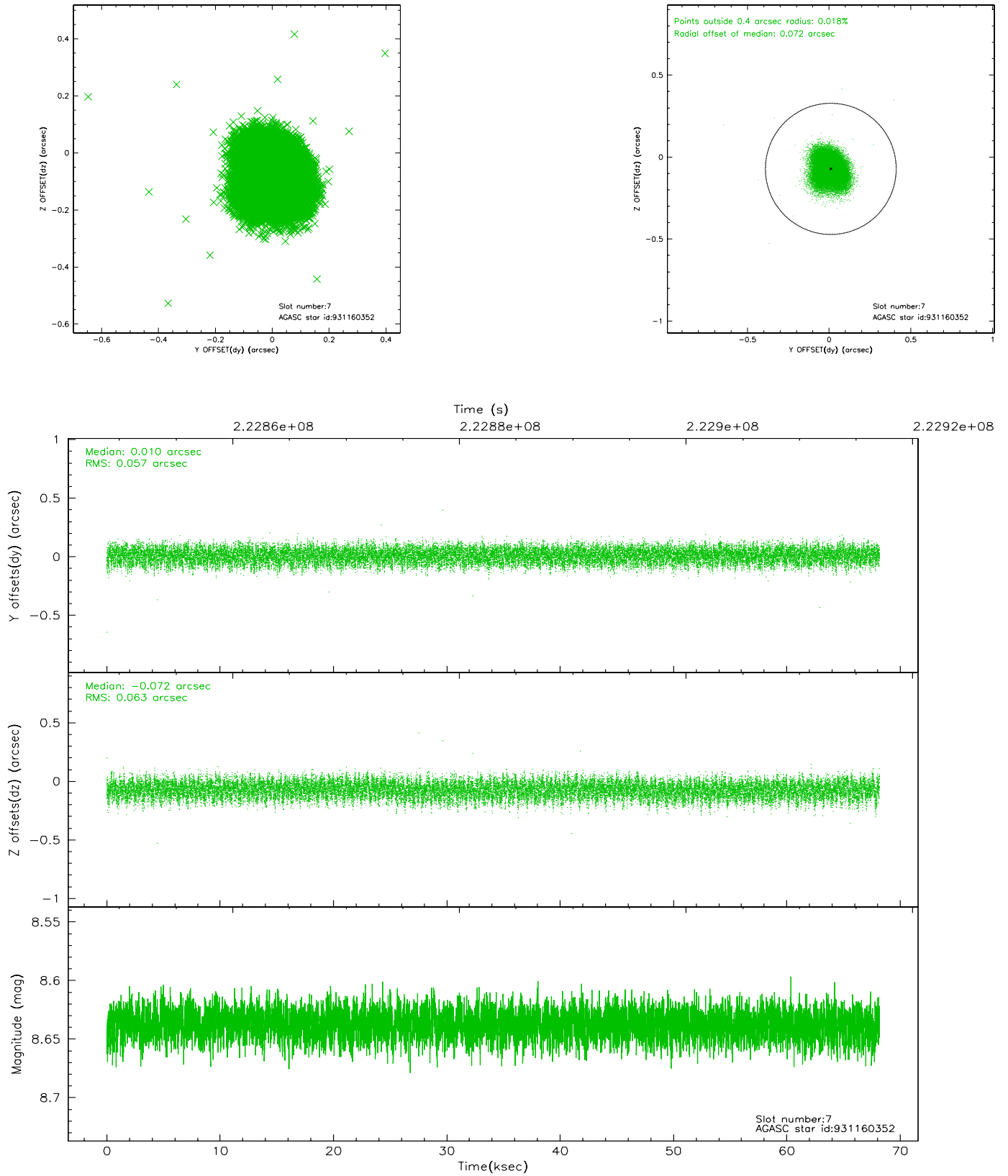
2.4.3 Slot 5



2.4.4 Slot 6

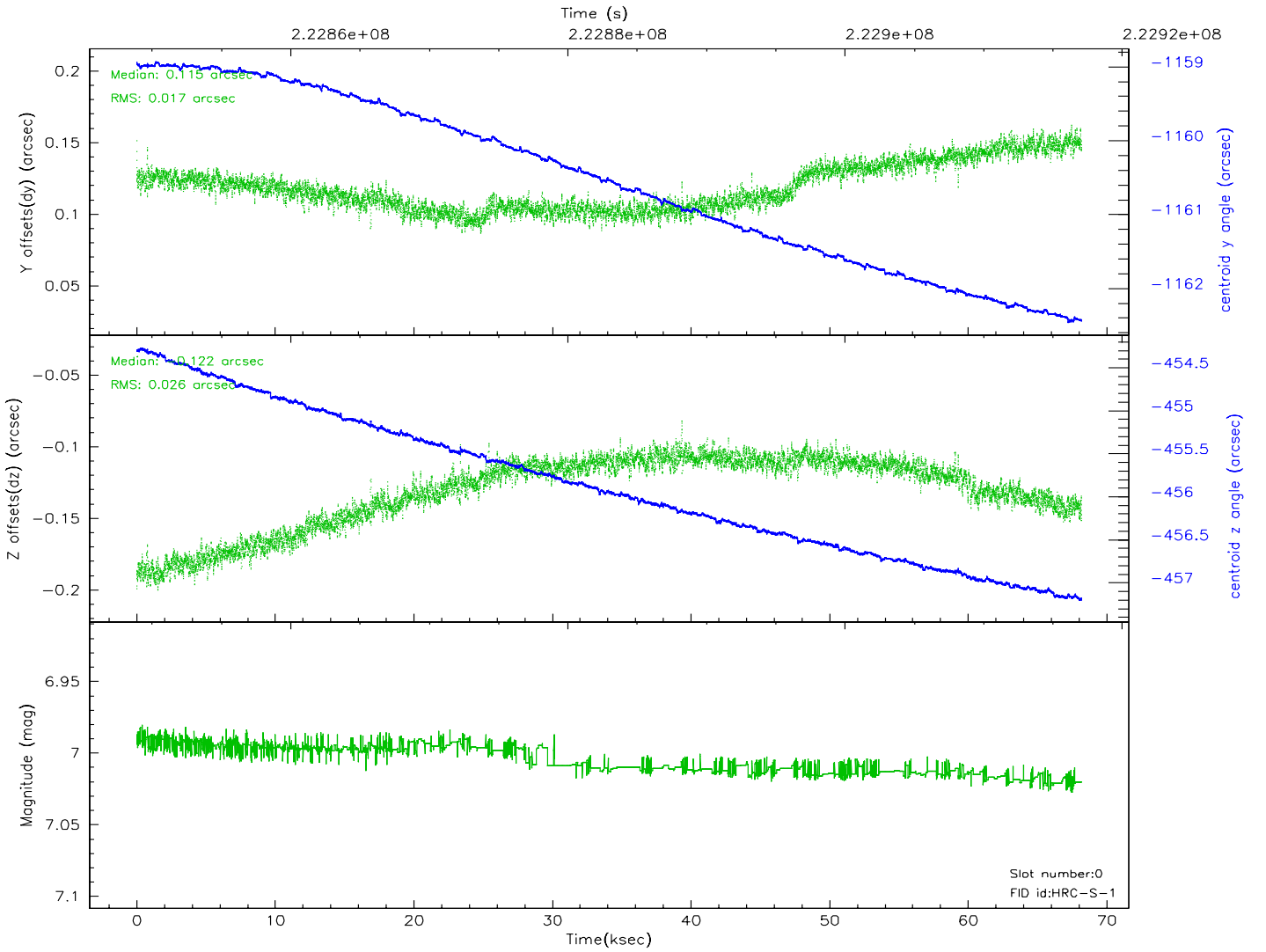
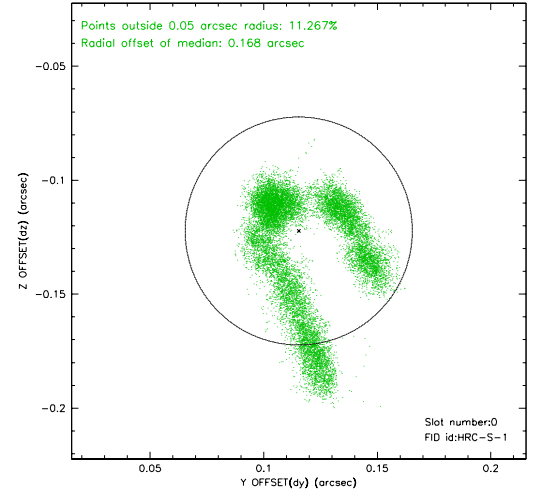
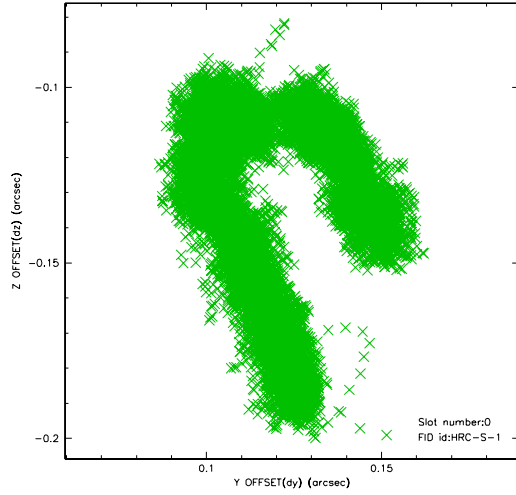


2.4.5 Slot 7

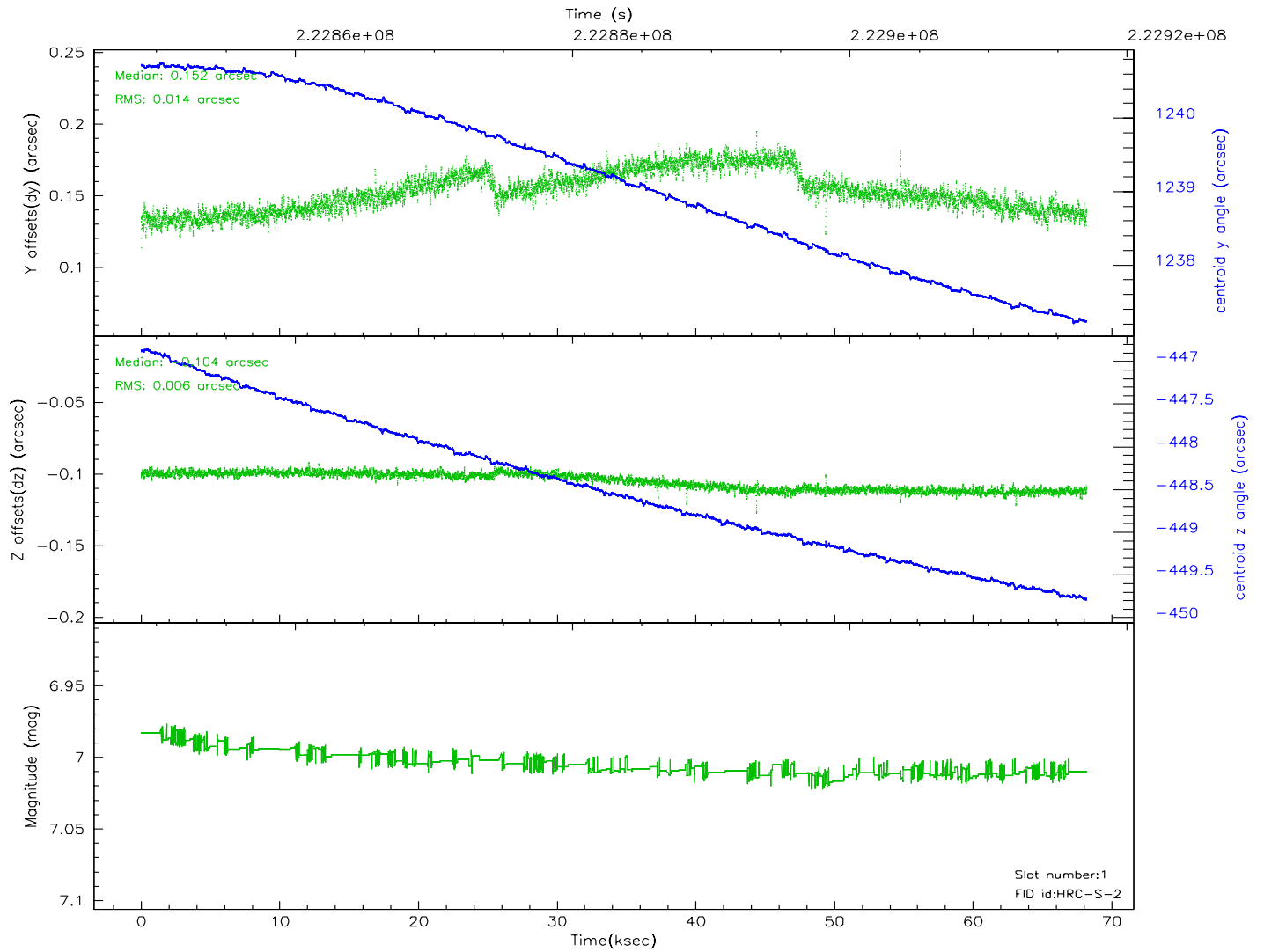
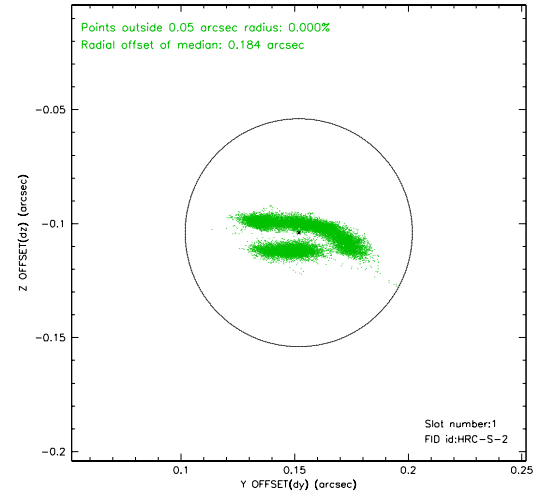
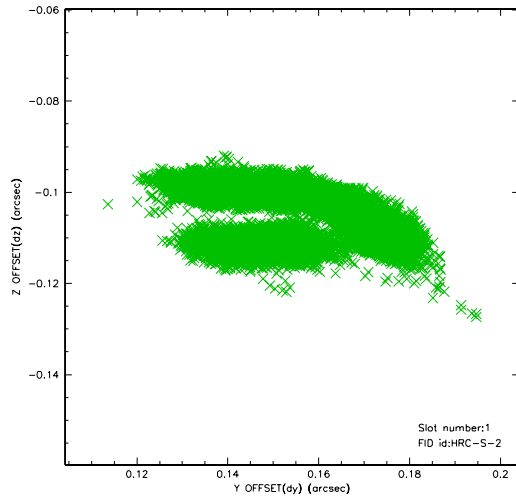


2.5 FID Slots

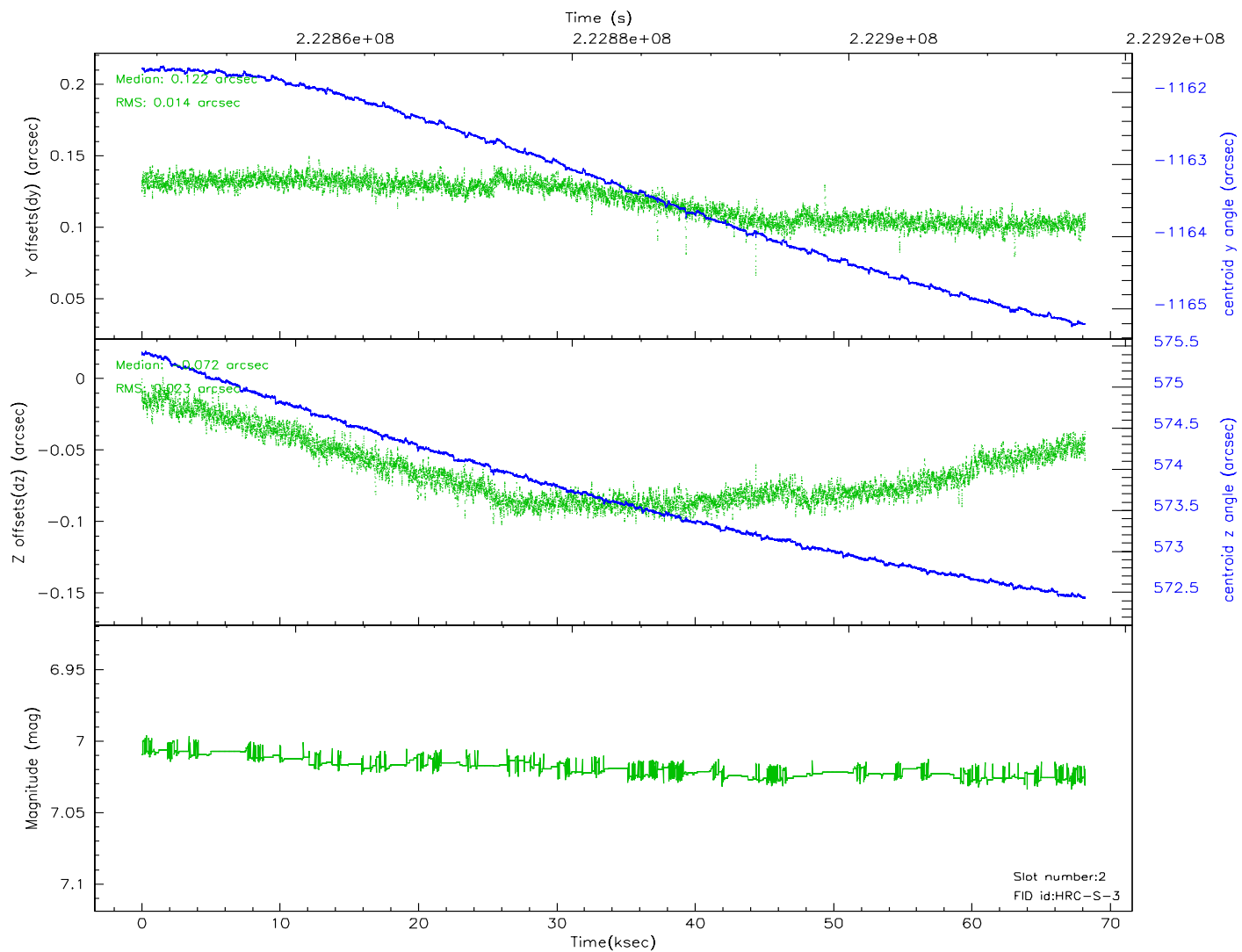
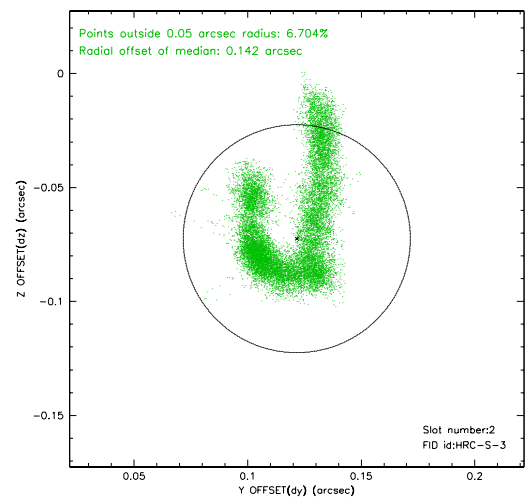
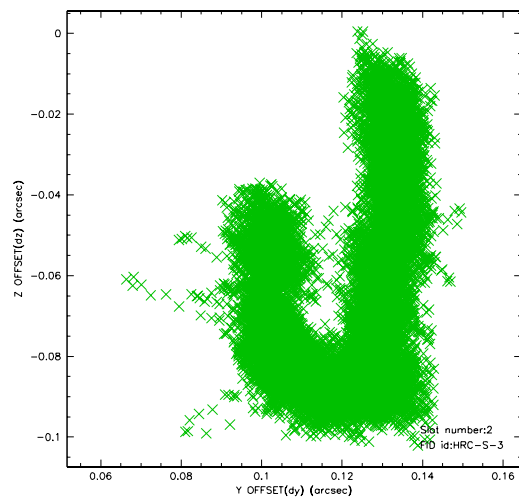
2.5.1 Slot 0



2.5.2 Slot 1

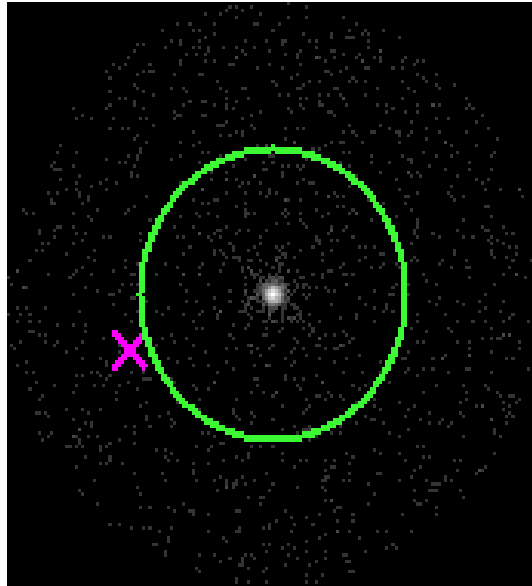


2.5.3 Slot 2

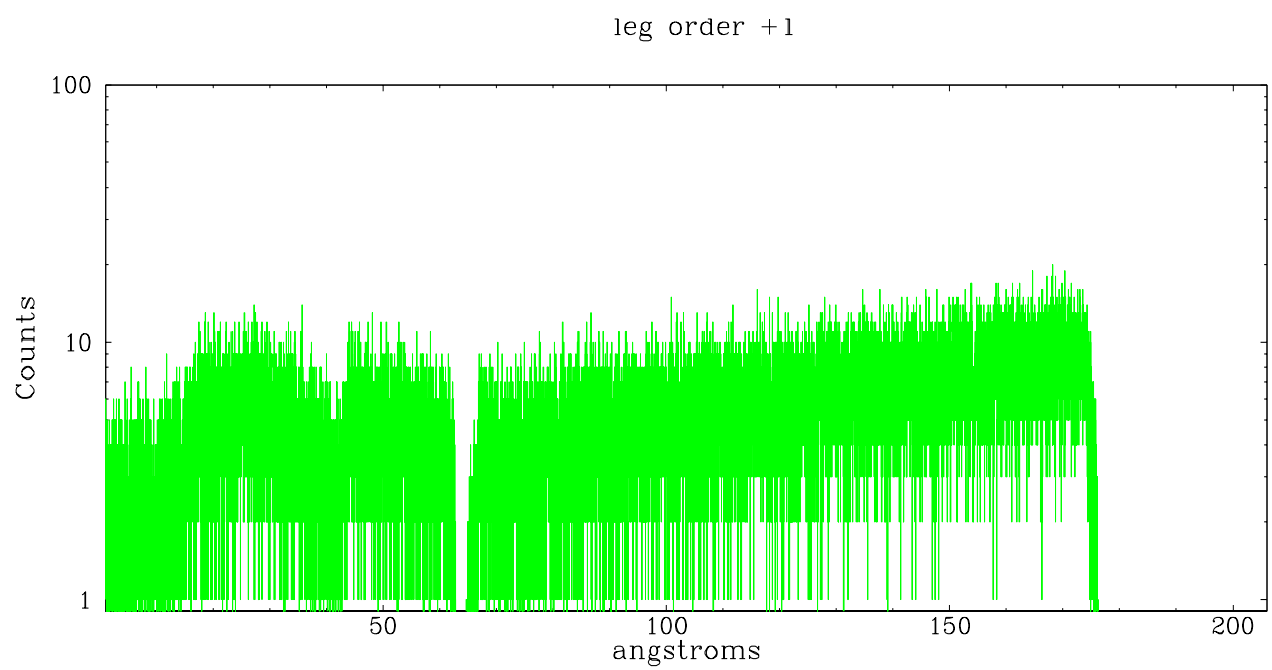
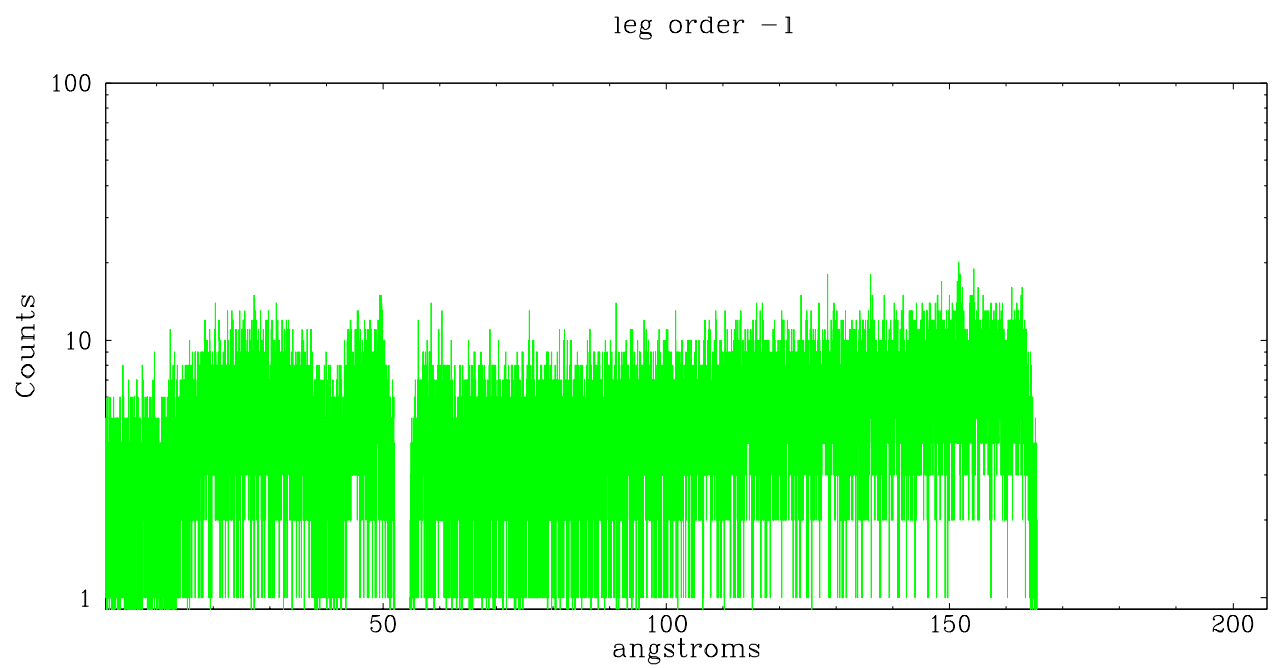


3 Gratings

3.1 LETG Arm



LETG Zero Order



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.02.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	68.196

A.2 Comments