

V&V Reference Report

L2 ASCDS Version : 7.6.7

Observation 6268 - L2 Version 002
Chandra X-Ray Center

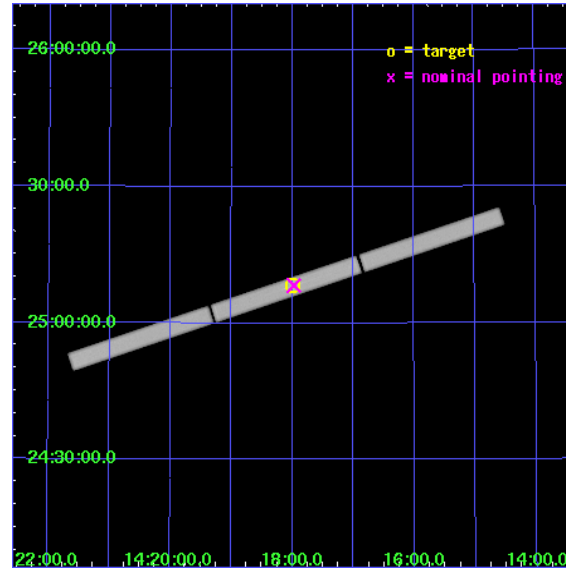
L2 Processing Date: Feb 28 2006

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

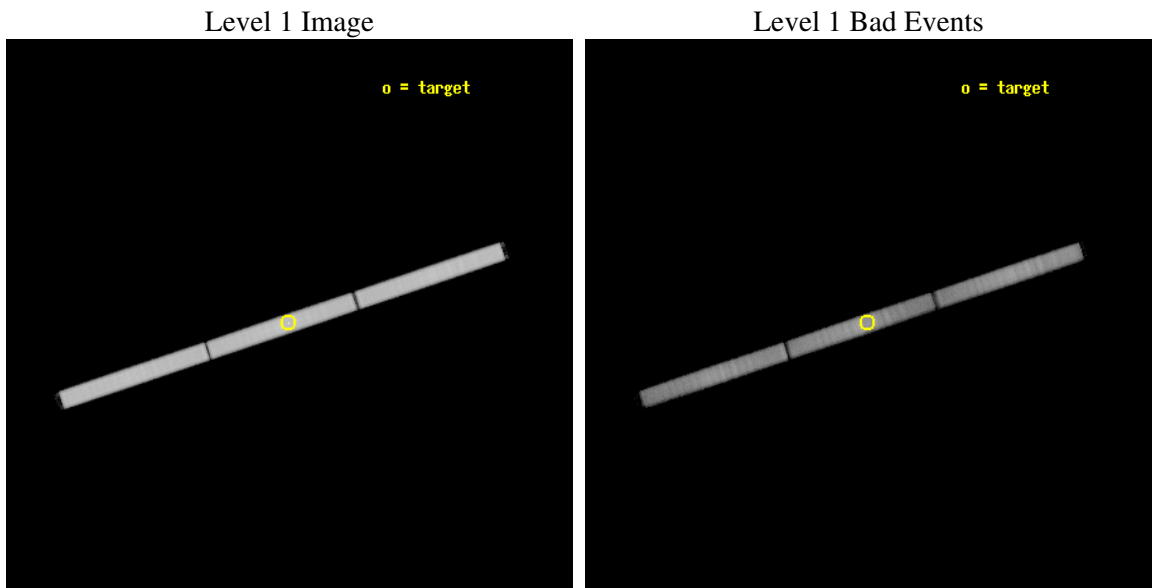
seq_num	701022
obs_id	6268
title	Time variability of the warm outflow in NGC 5548
observer	Dr. Mariano Mendez
object	NGC 5548
ra_targ	214.498333
dec_targ	25.137056
ra_nom	214.49346069372
dec_nom	25.138644270777
roll_nom	161.46939842089
revision	2
ontime	25185.532394767
livetime	25003.834969736
l2events	1358716



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	2006-02-28T22:55:15
revision	2

sched_exp_time	25000.000000
ontime	25185.532394767
l1events	2153536

2.1.3 Events

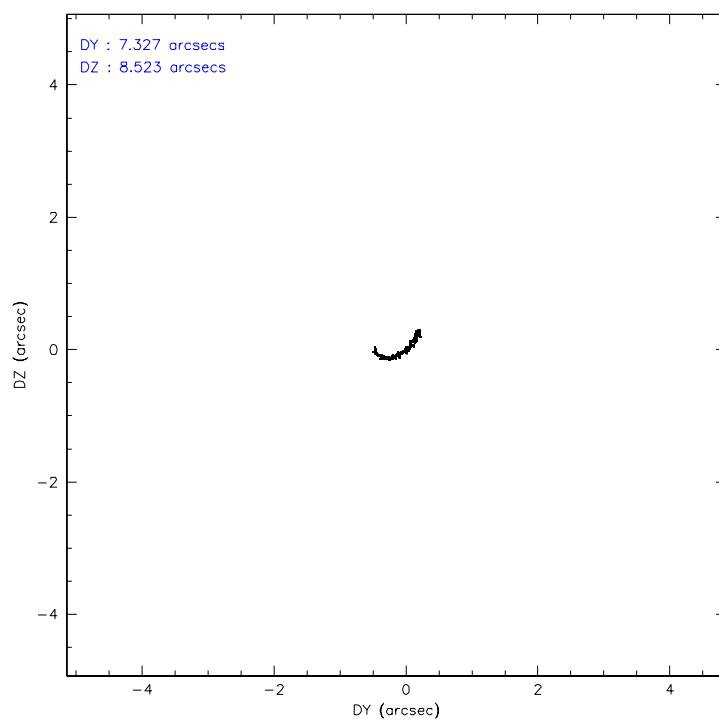
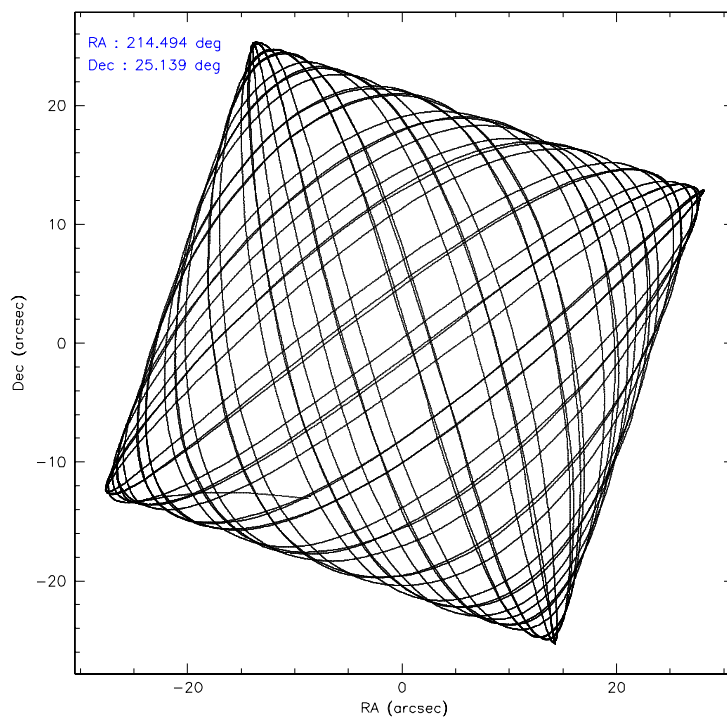
Level 1 Events

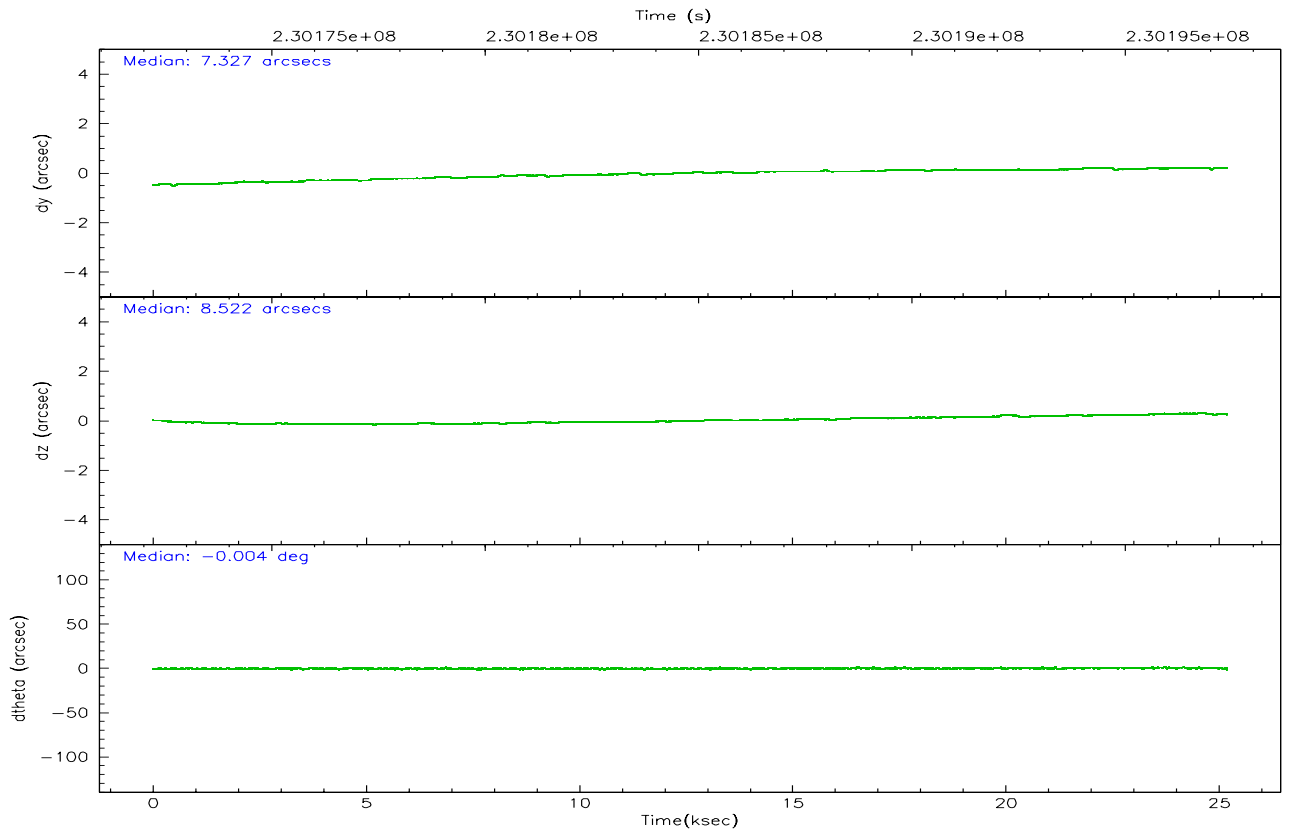
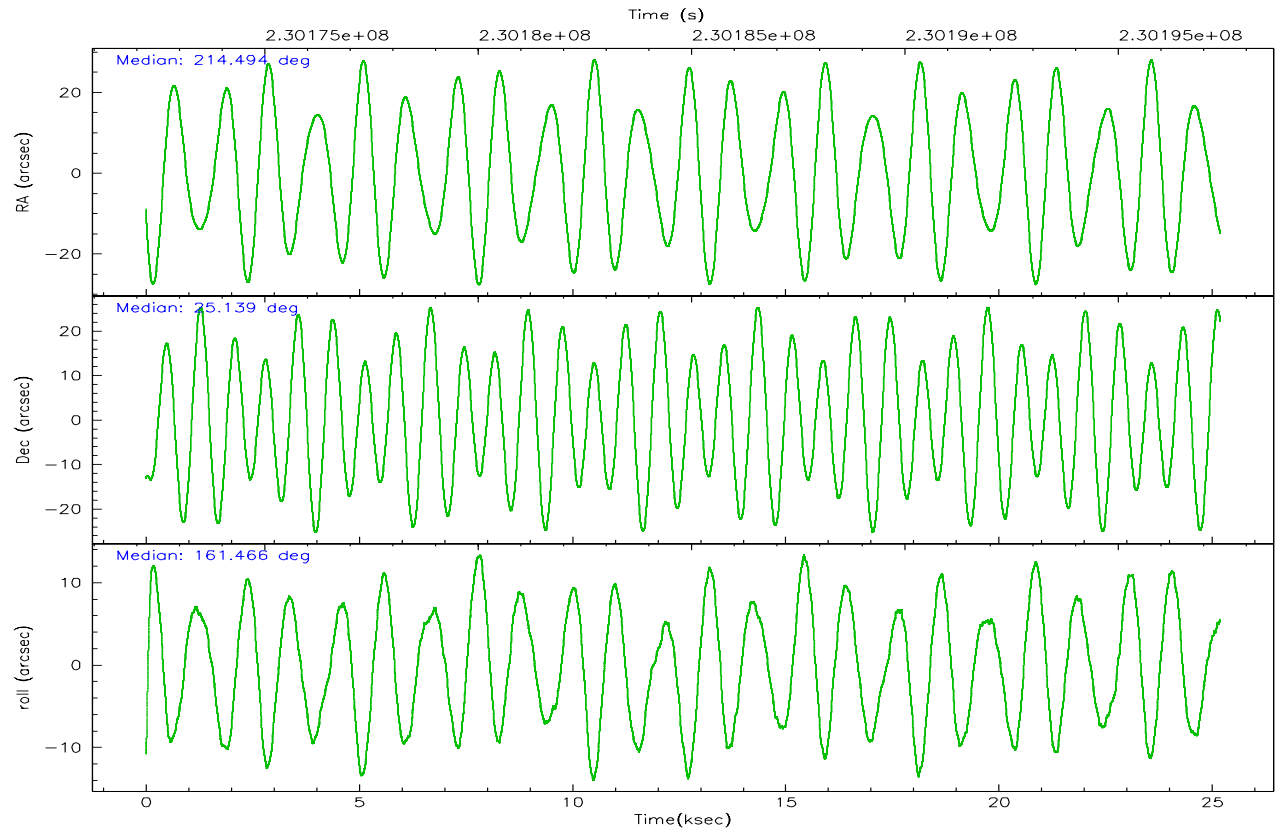
	segment 1	segment 2	segment 3
level 1 events	718596	711166	723774
rejected events	185237	198527	216752
rejected %	25%	27%	29%

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	214.524099	214.4934606937165			
Pointing Dec	25.145740	25.13864427077671			
Pointing Roll	161.389050	161.4693984208929			
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	230172392.184000	230171536.1556			
Observation start date	2005-04-18T00:45:28	2005-04-18T00:32:16			
Observation end time	230197392.184000	230198714.54434			
Observation end date	2005-04-18T07:42:08	2005-04-18T08:05:14			

2.3 Aspect



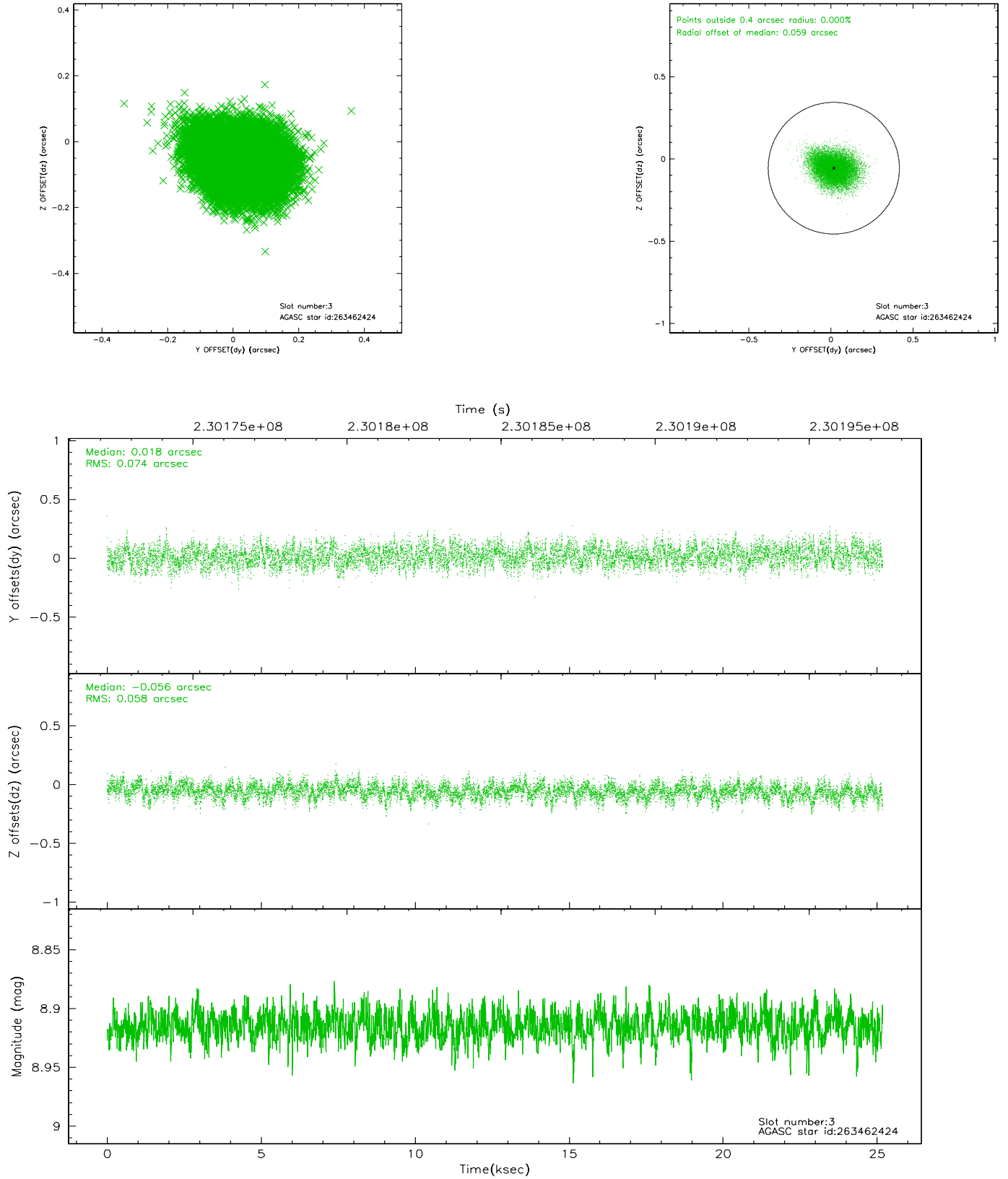


Slot Statistics

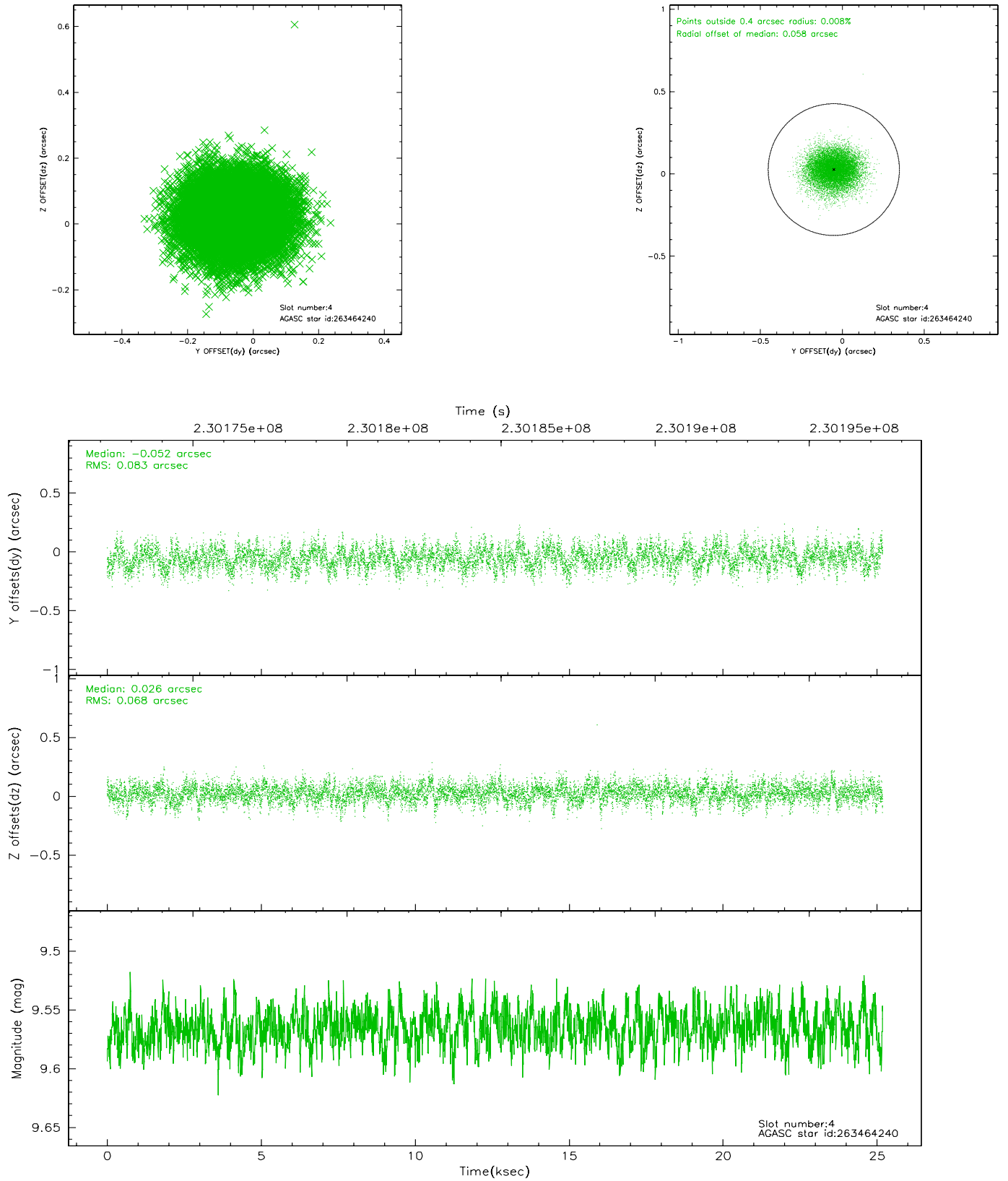
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.00	6143	0.124	-0.133	0.011	0.017	0.000000	0.000000	-1161.44	-457.18
1	FID	HRC-S-2	7.00	6143	0.162	-0.111	0.005	0.009	0.000000	0.000000	1238.09	-449.86
2	FID	HRC-S-3	7.01	6143	0.105	-0.058	0.011	0.019	0.000000	0.000000	-1163.99	572.35
3	GUIDE	263462424	8.92	12274	0.018	-0.056	0.101	0.162	214.158904	25.947326	2042.23	-2358.77
4	GUIDE	263464240	9.57	12277	-0.052	0.026	0.116	0.185	213.729943	25.011897	2304.35	1276.47
5	GUIDE	263464688	9.21	12270	0.016	0.005	0.096	0.154	214.654702	25.305283	-219.07	-679.72
6	GUIDE	263195064	9.28	12280	-0.014	0.042	0.100	0.165	215.129983	24.745063	-2336.08	730.82
7	GUIDE	263192808	9.59	12260	0.034	-0.016	0.105	0.175	215.197131	24.910235	-2351.61	97.21

2.4 Star Slots

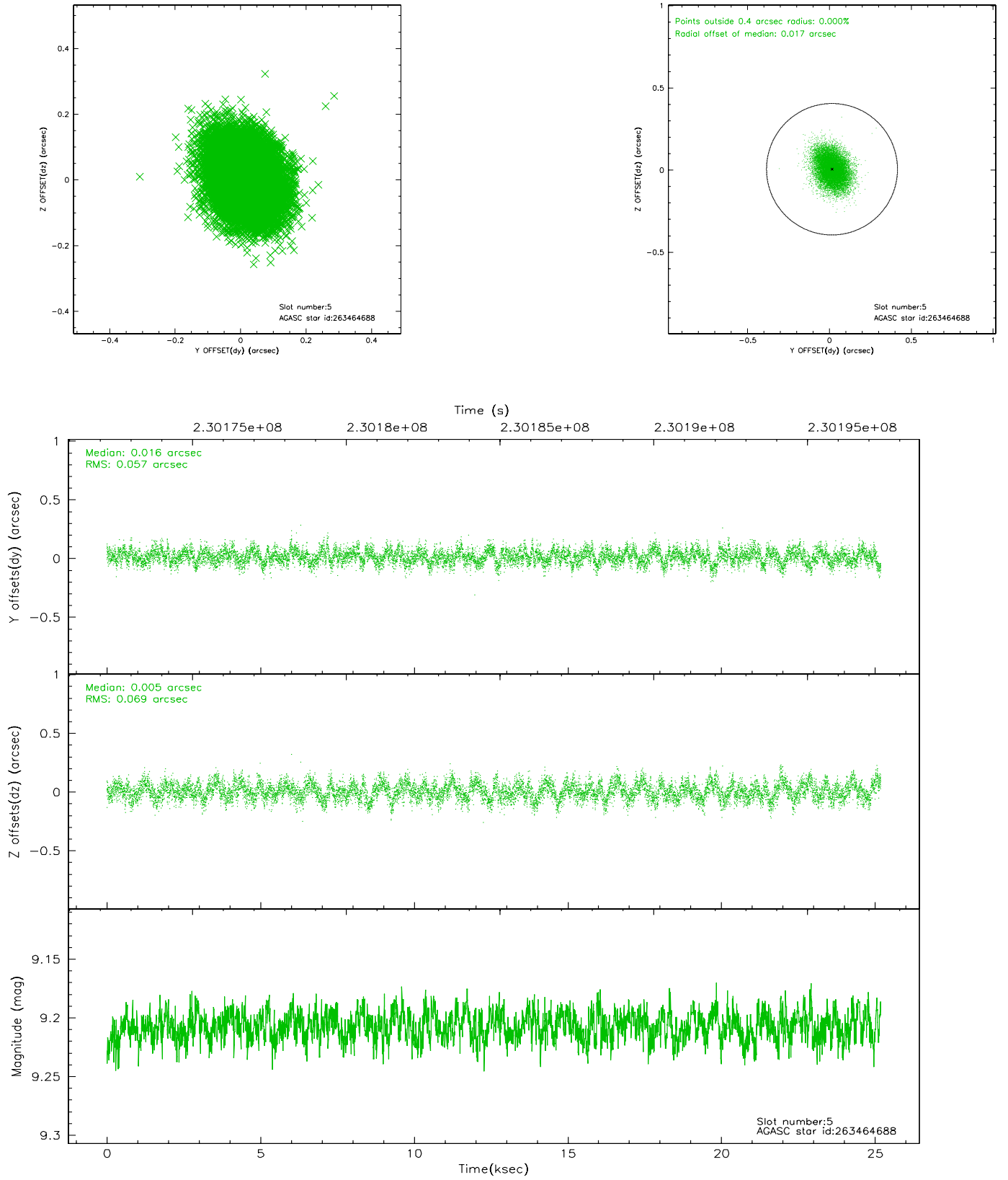
2.4.1 Slot 3



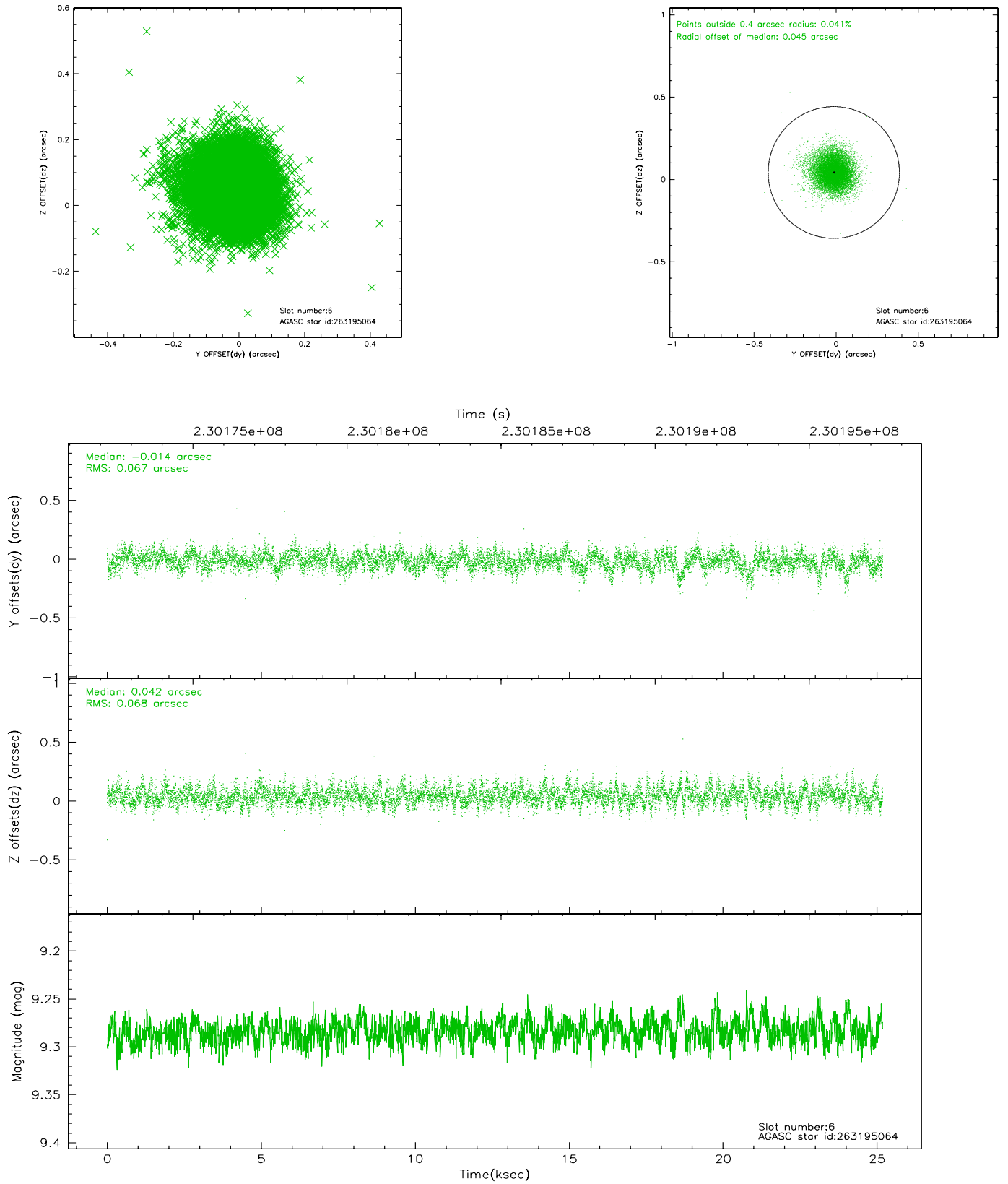
2.4.2 Slot 4



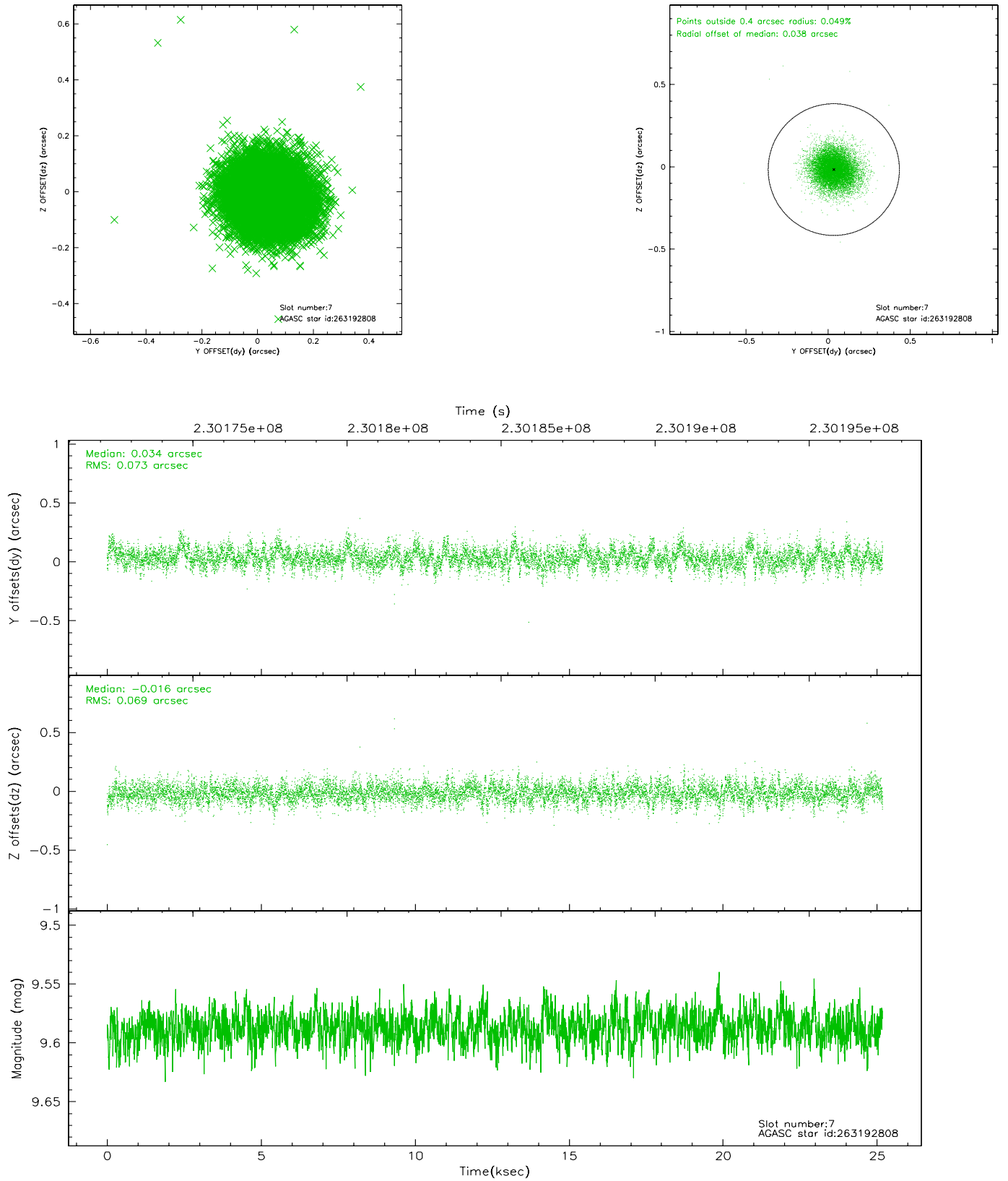
2.4.3 Slot 5



2.4.4 Slot 6

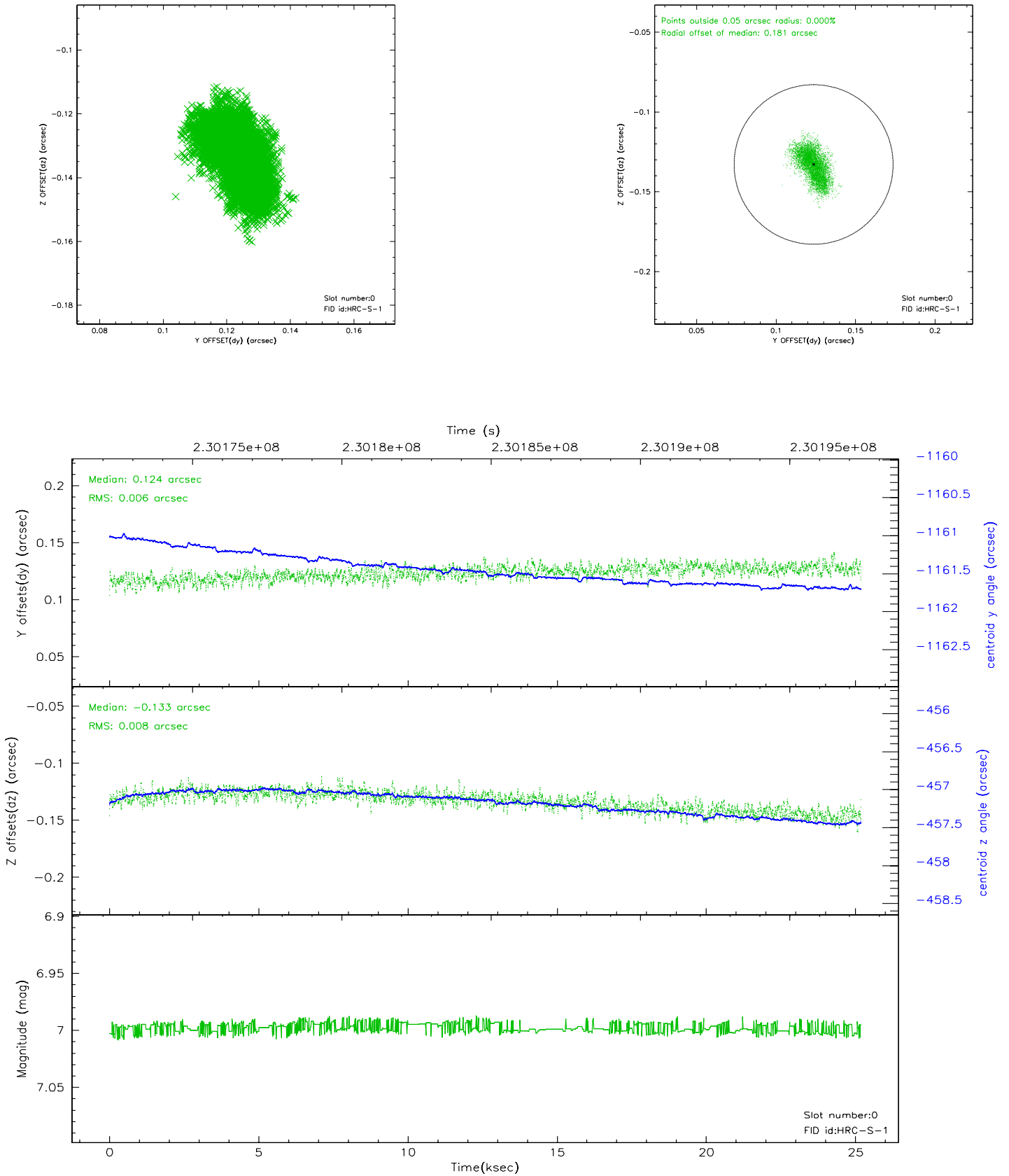


2.4.5 Slot 7

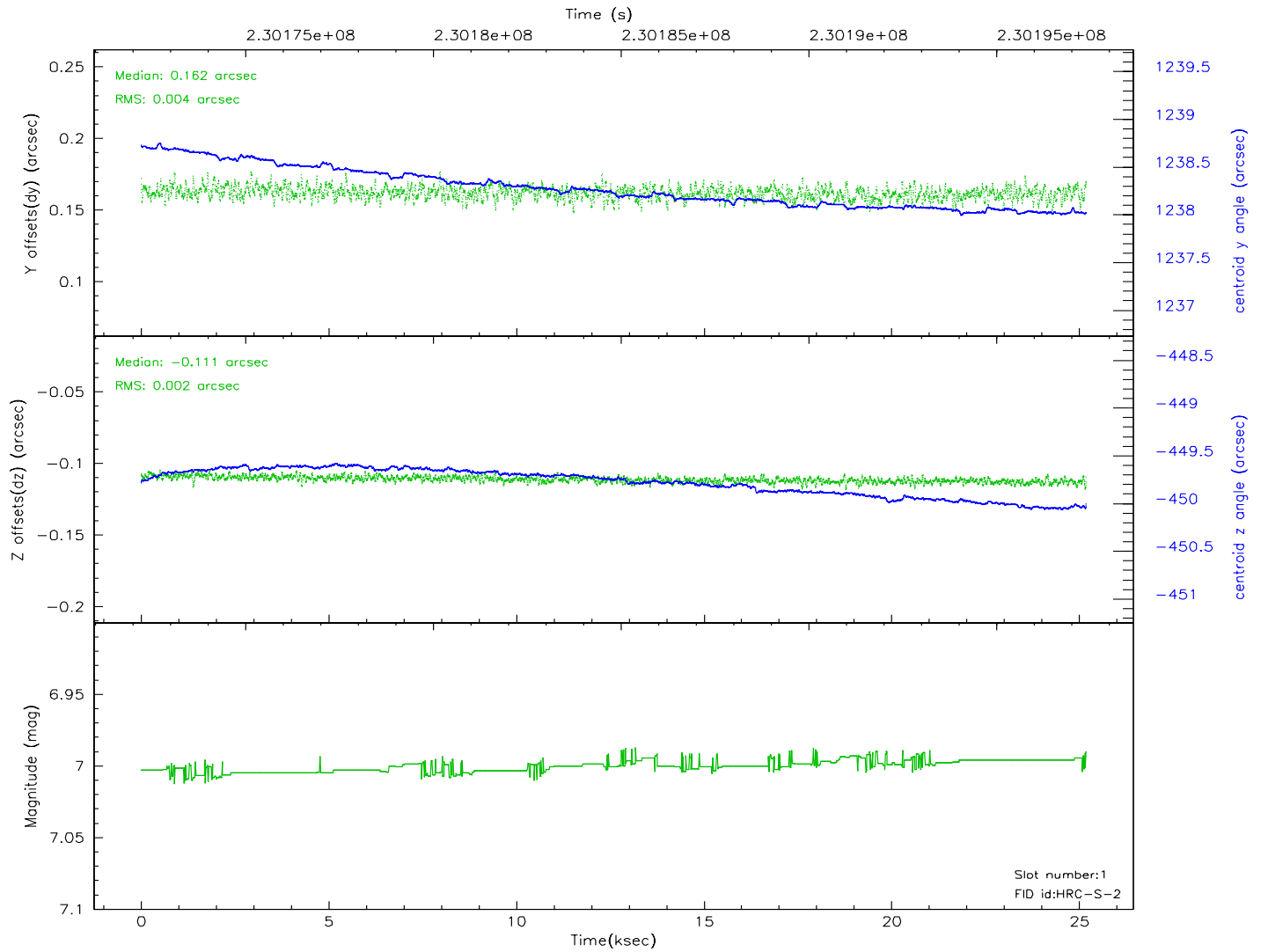
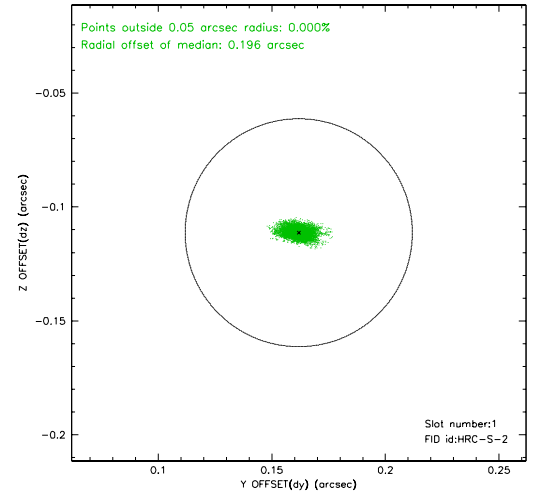
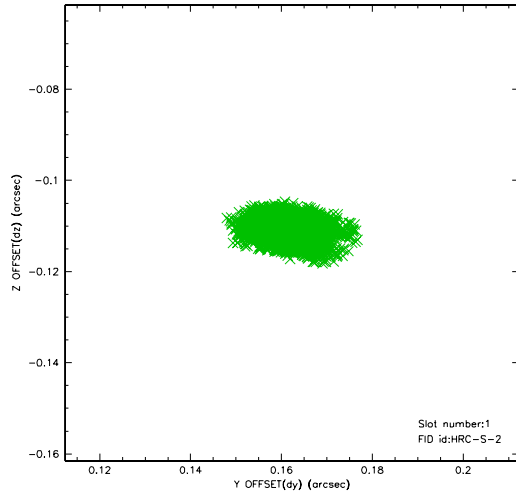


2.5 FID Slots

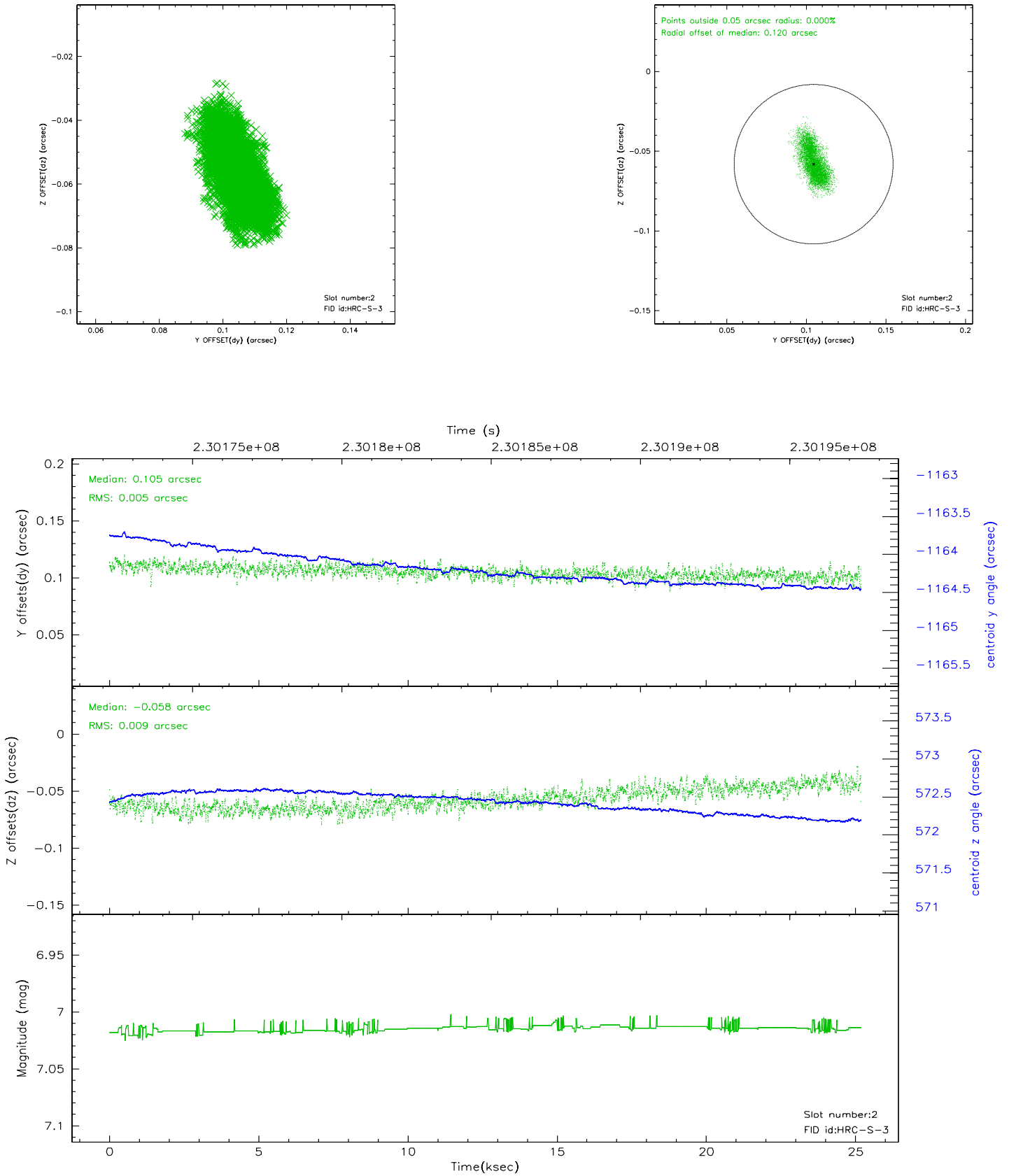
2.5.1 Slot 0



2.5.2 Slot 1

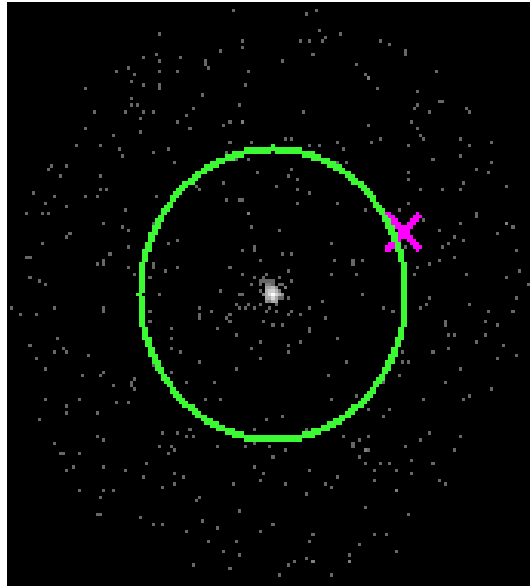


2.5.3 Slot 2



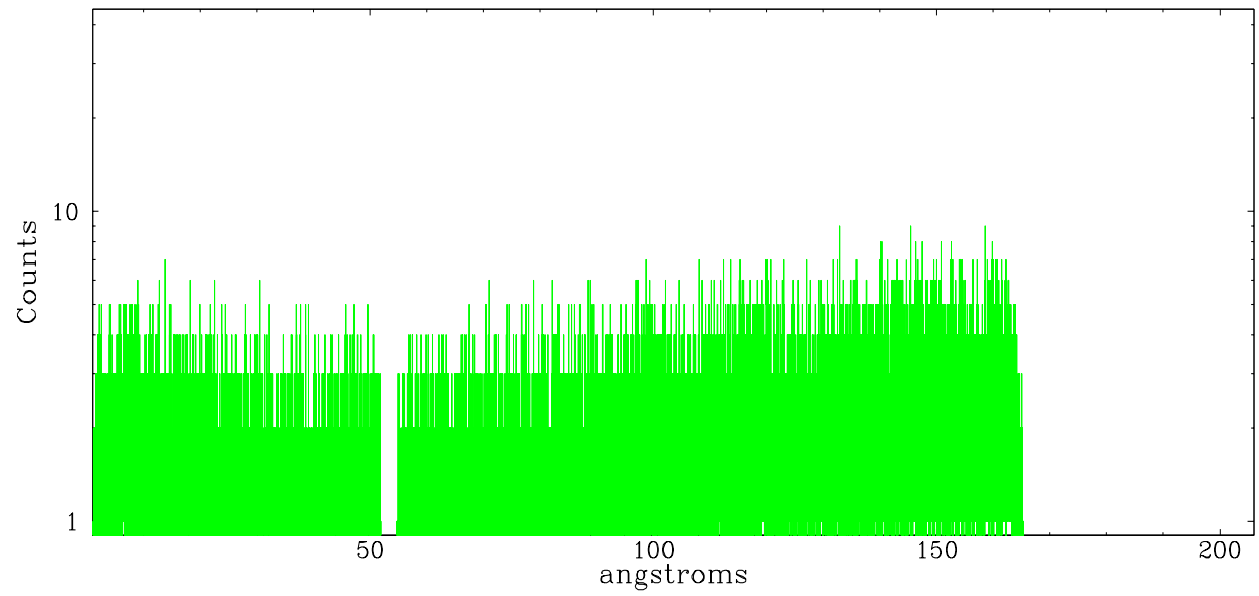
3 Gratings

3.1 LETG Arm

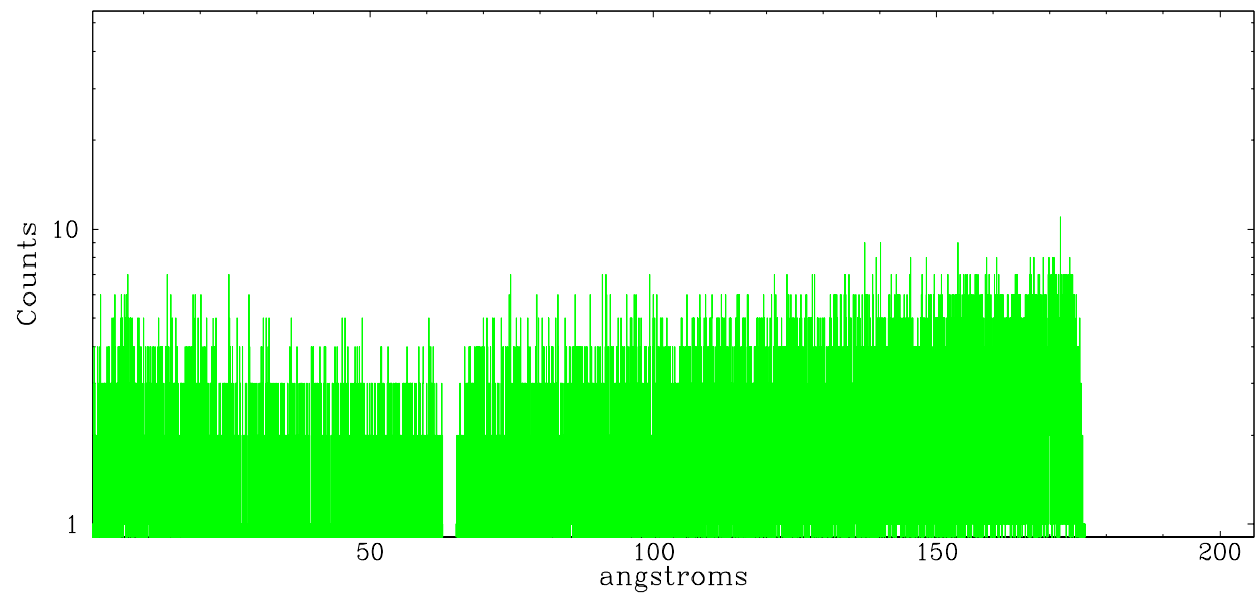


LETG Zero Order

leg order -1



leg order $+1$



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.03.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.18553

A.2 Comments