

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 30 - L2 Version 001
Chandra X-Ray Center

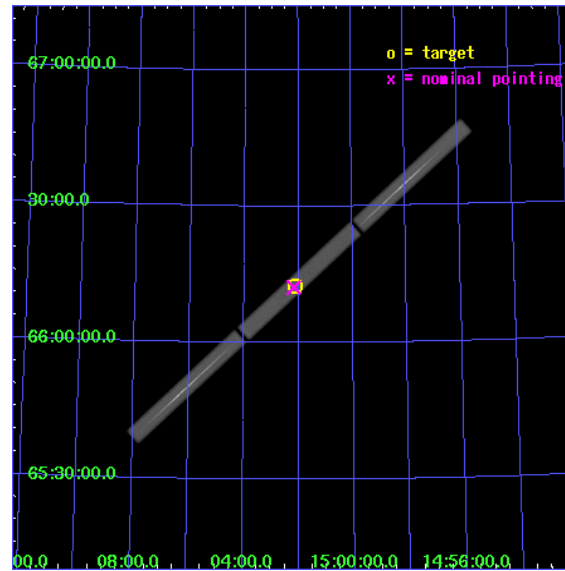
L2 Processing Date : Jun 9 2007

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1 Front

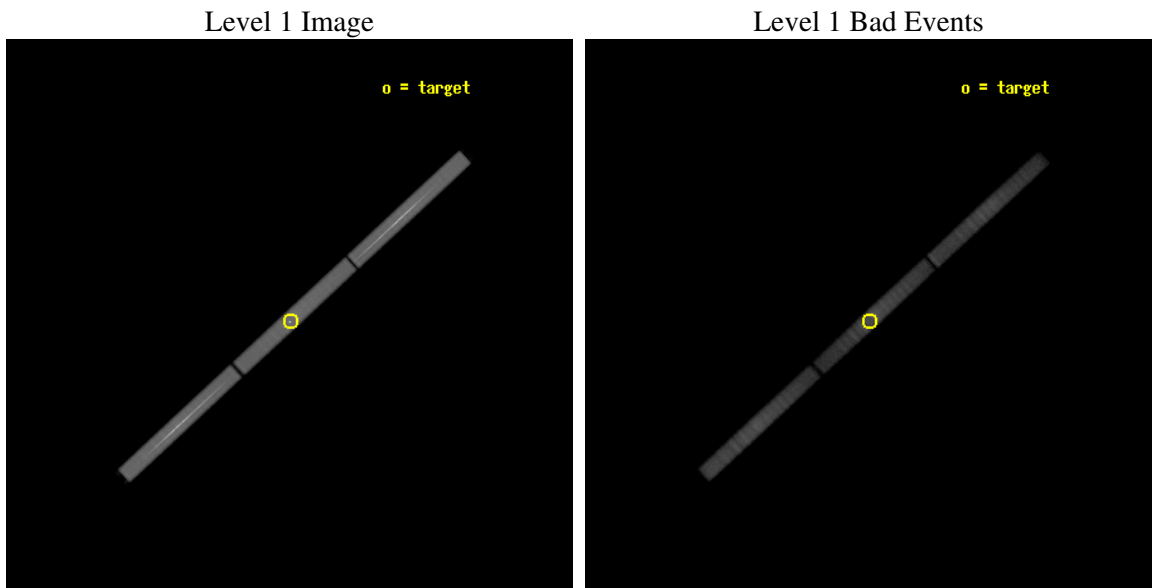
seq_num	200028
obs_id	30
title	HIGH RESOLUTION SPECTROSCOPY OF WHITE DWARFS
observer	Dr. Stephen Murray
object	H1504+65
ra_targ	225.53375
dec_targ	66.206667
ra_nom	225.54231909915
dec_nom	66.20322958897
roll_nom	317.25814296955
revision	4
ontime	25136.332197234
livetime	24991.595499086
l2events	1117921



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0
ascdsver	7.6.10
caldsver	3.4.0
date	2007-06-09T13:44:03
revision	4

sched_exp_time	25000.000000
ontime	25136.332197234
l1events	1746469

2.1.3 Events

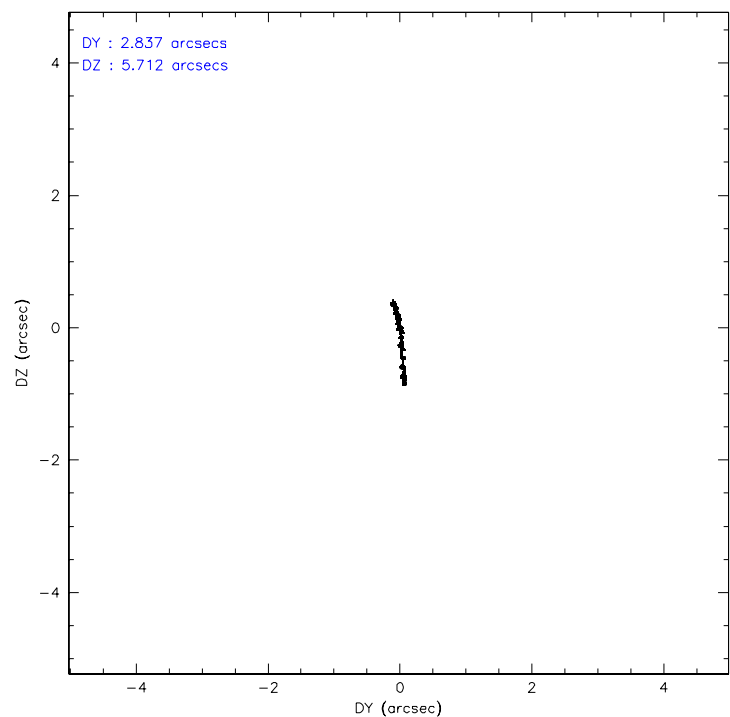
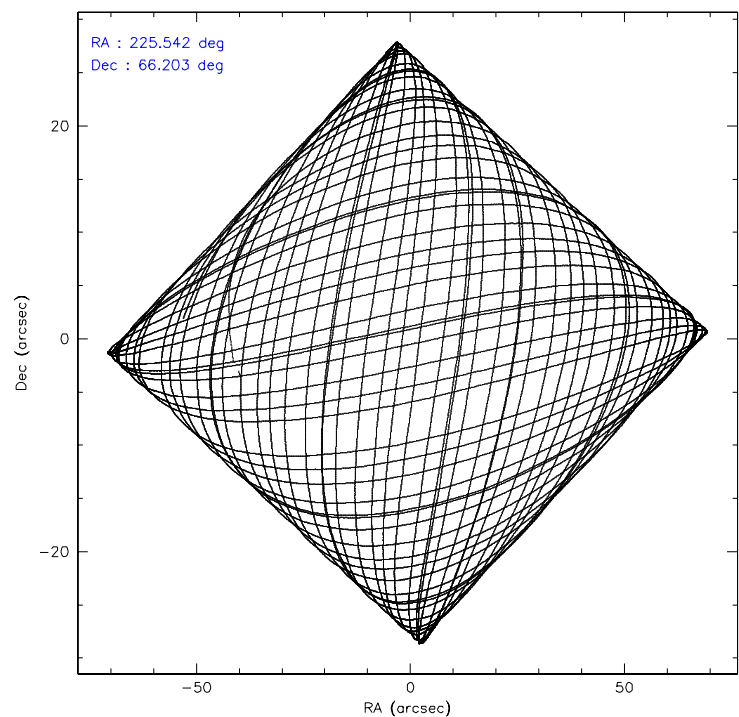
Level 1 Events

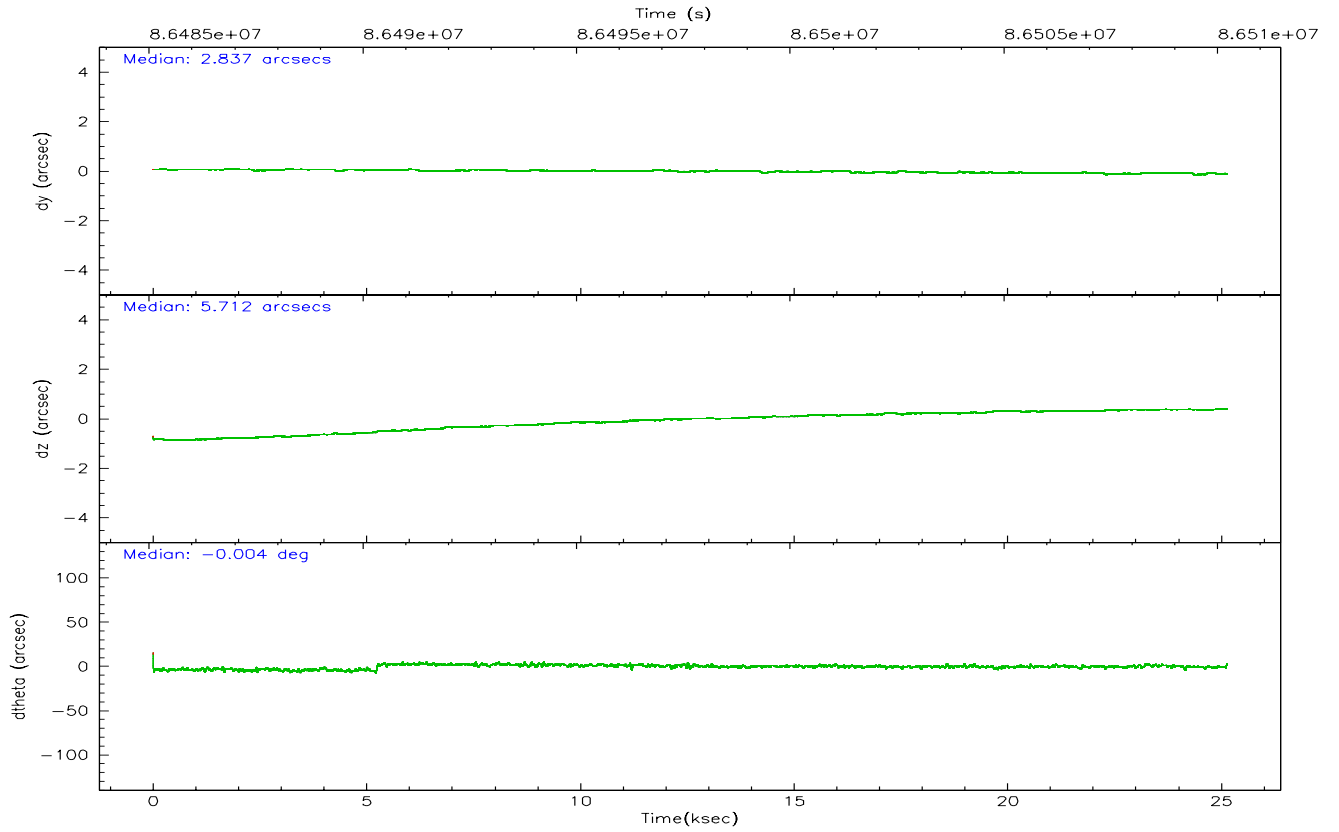
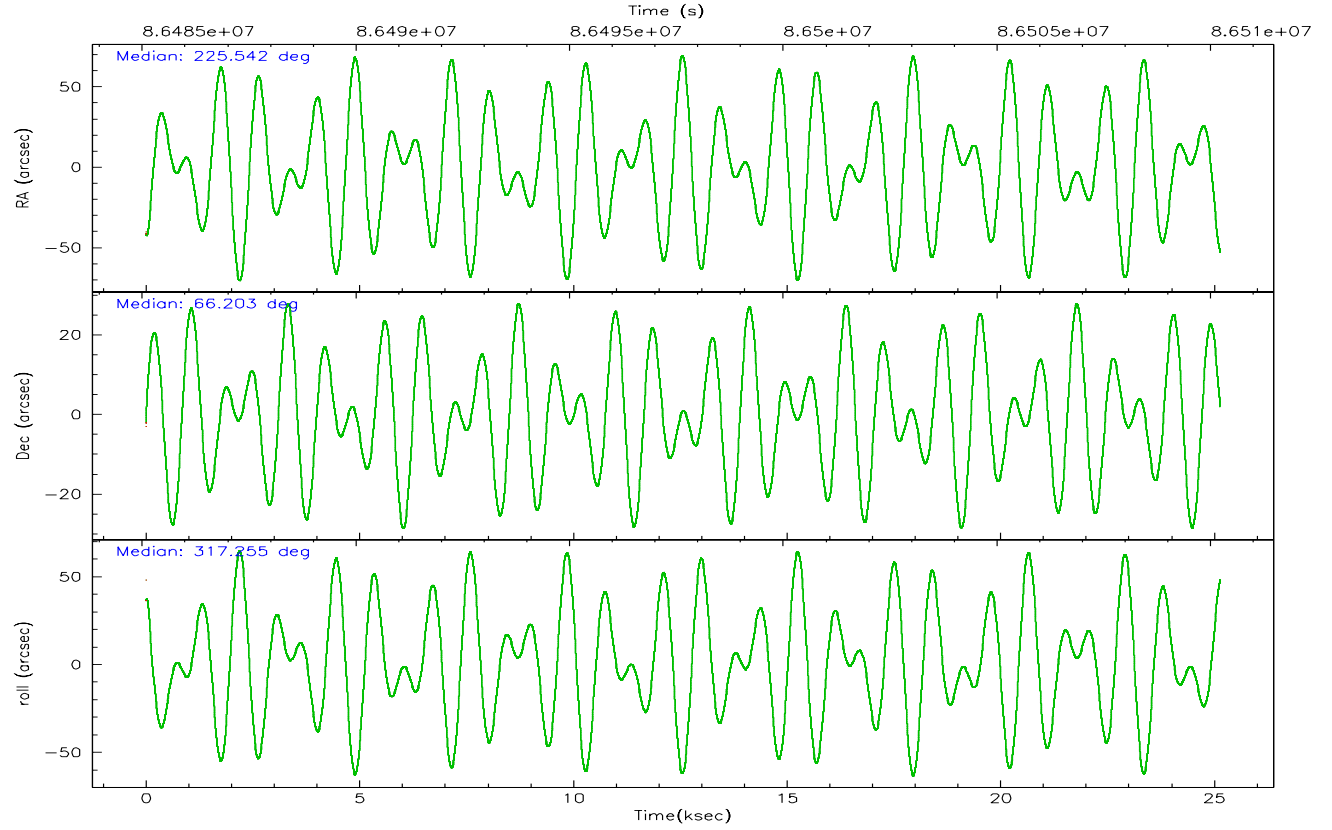
	segment 1	segment 2	segment 3
level 1 events	607862	529074	609533
rejected events	154295	160387	180470
rejected %	25%	30%	29%

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	225.472203	225.542319099148			
Pointing Dec	66.208315	66.20322958896978			
Pointing Roll	317.254966	317.2581429695473			
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	86485225.184000	86484086.35171001			
Observation start date	2000-09-27T23:39:21	2000-09-27T23:21:26			
Observation end time	86510225.184000	86511073.577727			
Observation end date	2000-09-28T06:36:01	2000-09-28T06:51:13			

2.3 Aspect



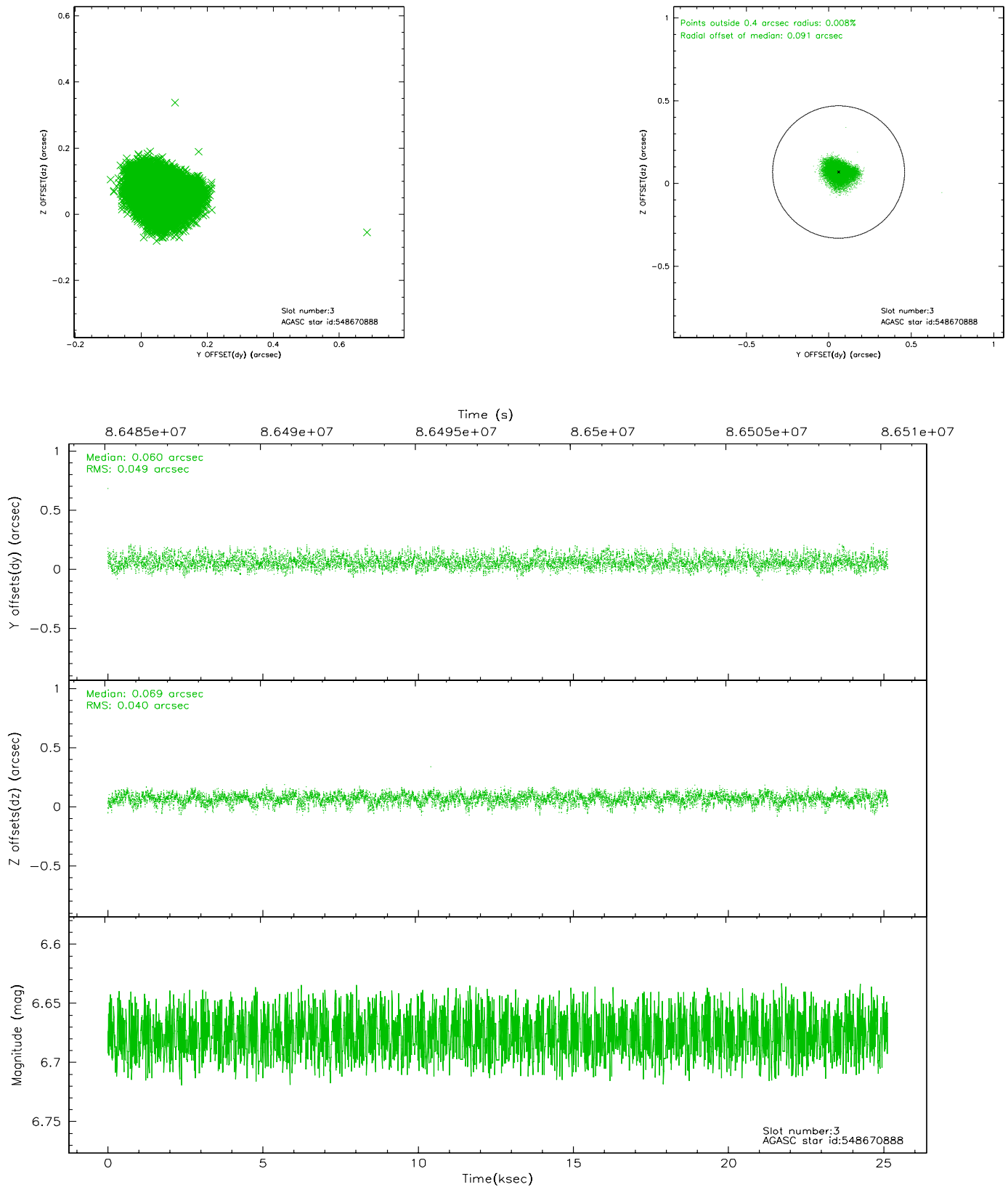


Slot Statistics

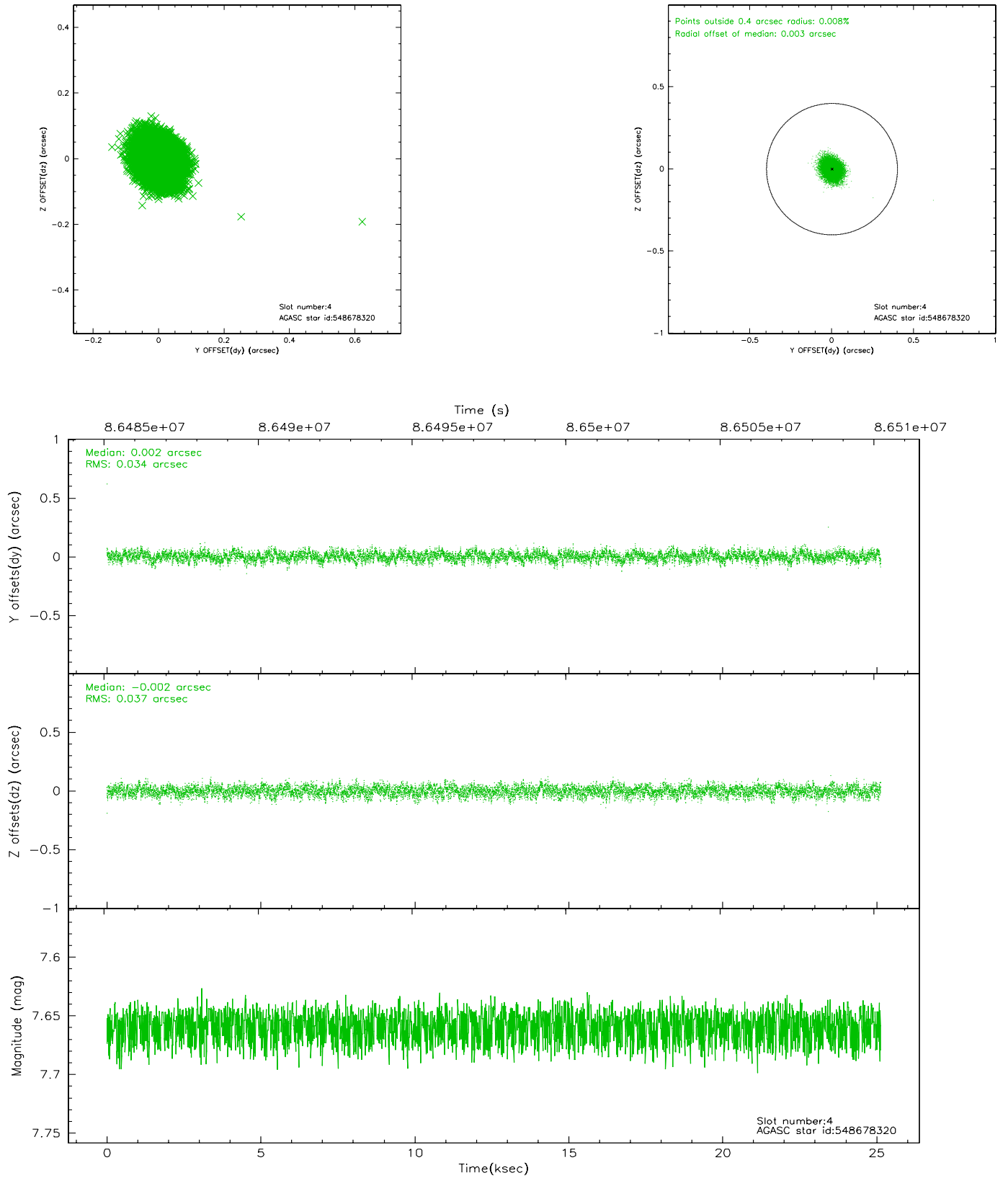
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.00	6131	0.113	-0.159	0.014	0.021	0.000000	0.000000	-1156.89	-454.16
1	FID	HRC-S-3	7.02	6131	0.137	-0.044	0.015	0.023	0.000000	0.000000	-1159.78	575.41
2	FID	HRC-S-4	6.97	6131	0.137	-0.093	0.005	0.010	0.000000	0.000000	1241.20	578.11
3	GUIDE	548670888	6.68	12262	0.060	0.069	0.069	0.106	225.990697	65.919714	1262.95	-243.24
4	GUIDE	548678320	7.66	12260	0.002	-0.002	0.054	0.085	225.586135	65.965043	717.65	-529.26
5	GUIDE	548677368	8.39	12255	-0.033	-0.014	0.064	0.101	224.533121	66.208021	-1007.16	-918.67
6	GUIDE	548676120	9.34	12257	-0.016	-0.028	0.082	0.136	225.444313	65.678230	1265.36	-1429.16
7	GUIDE	548669832	9.75	12255	-0.016	-0.023	0.116	0.187	227.231108	65.999487	2377.44	1222.78

2.4 Star Slots

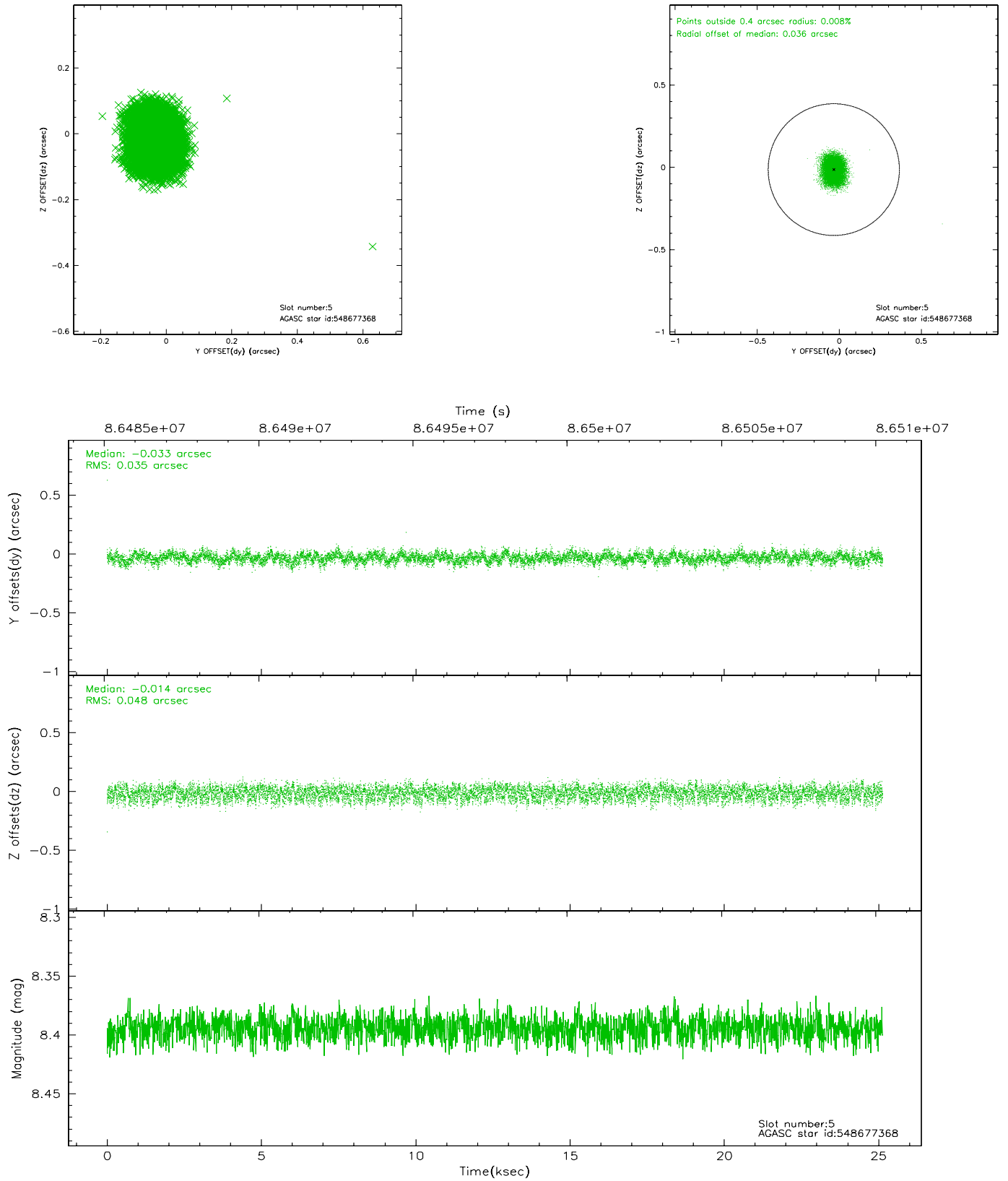
2.4.1 Slot 3



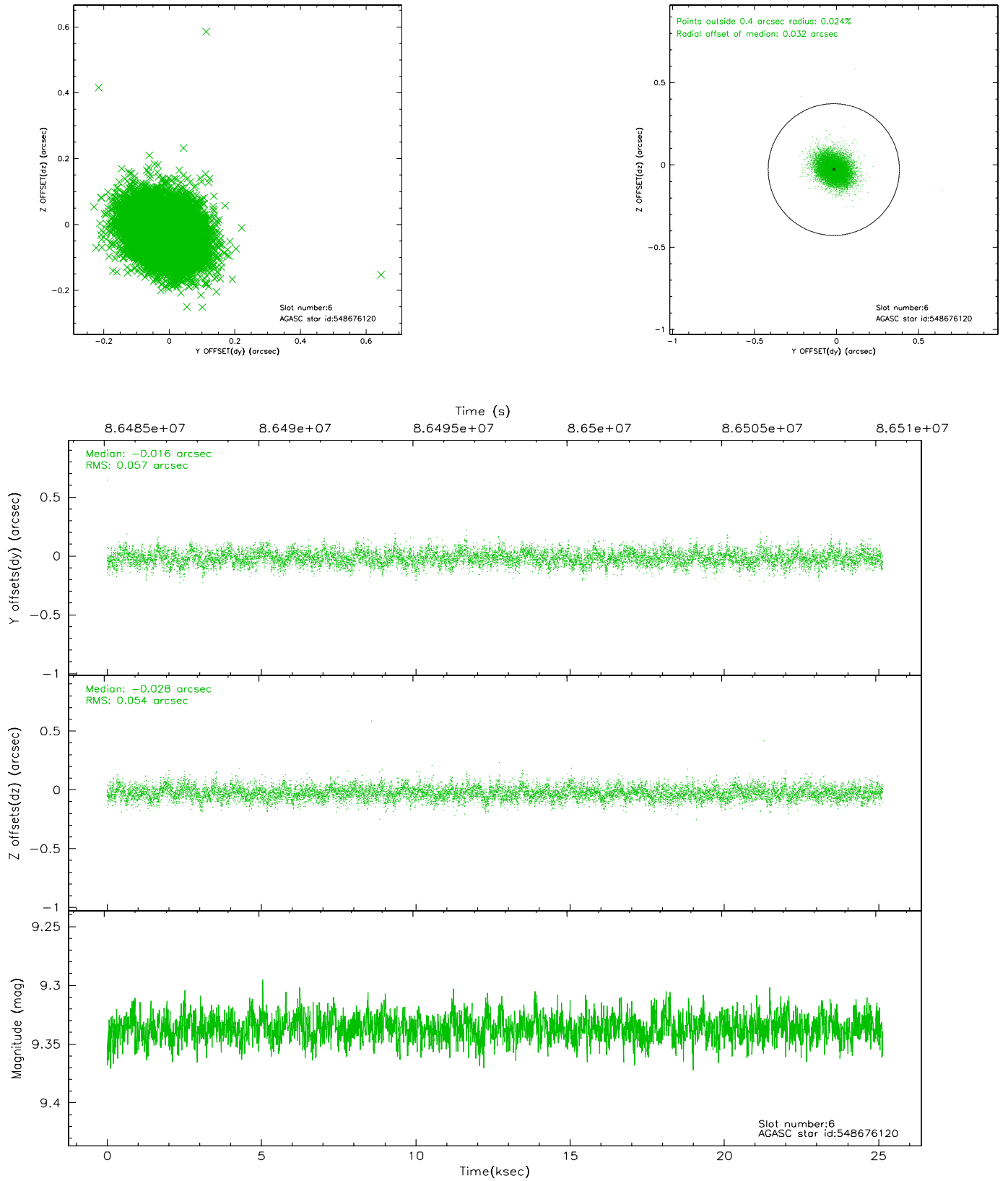
2.4.2 Slot 4



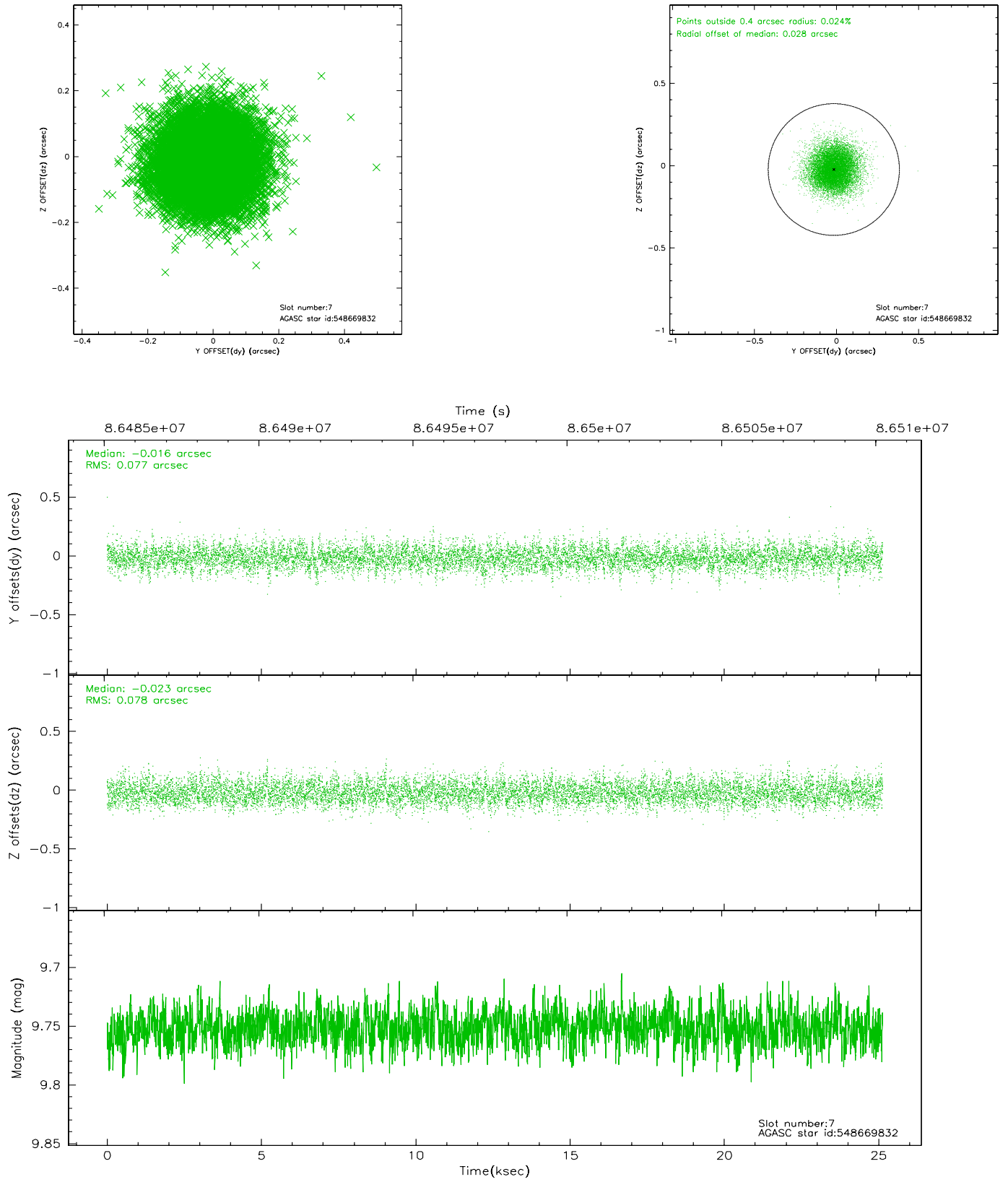
2.4.3 Slot 5



2.4.4 Slot 6

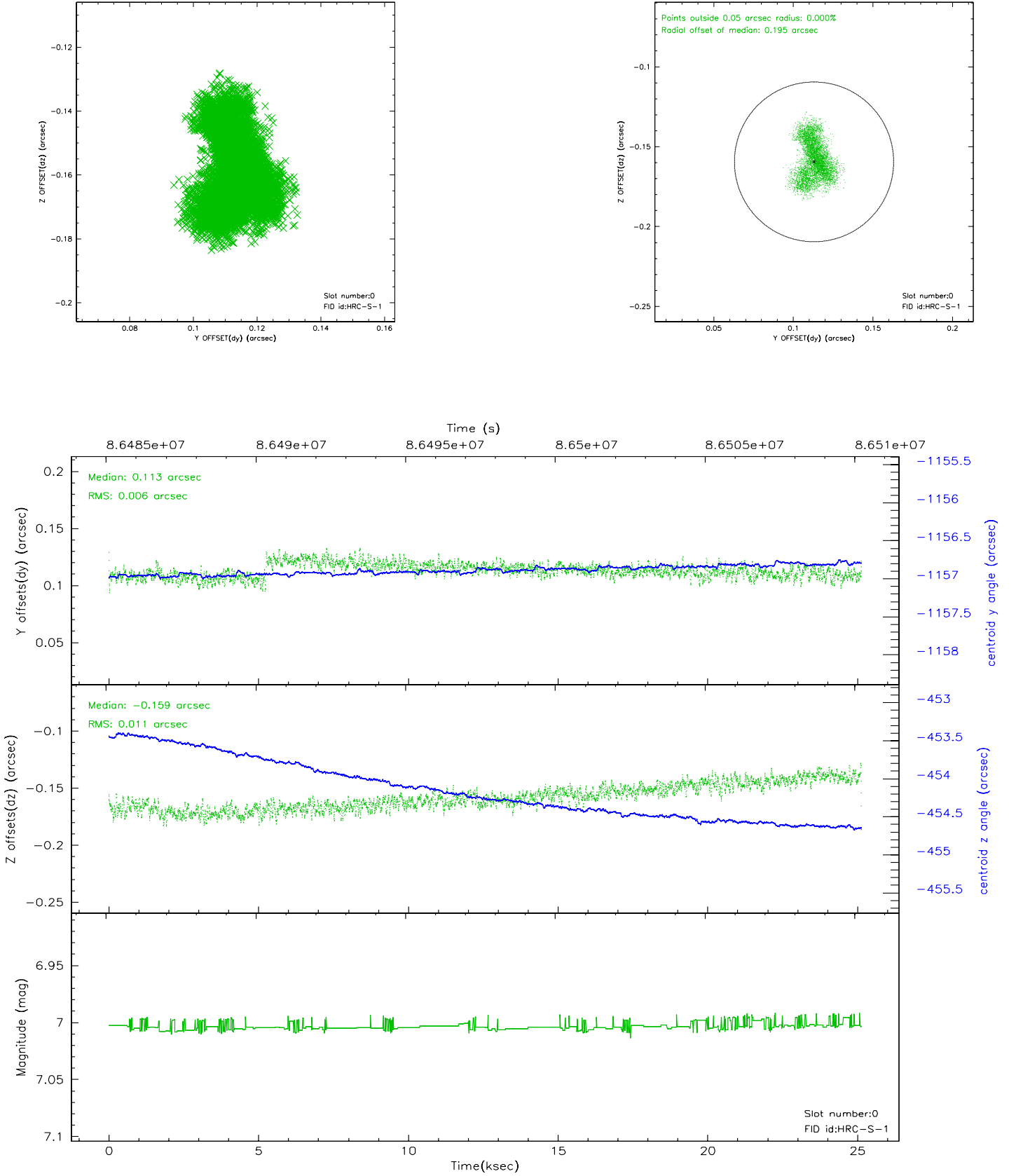


2.4.5 Slot 7

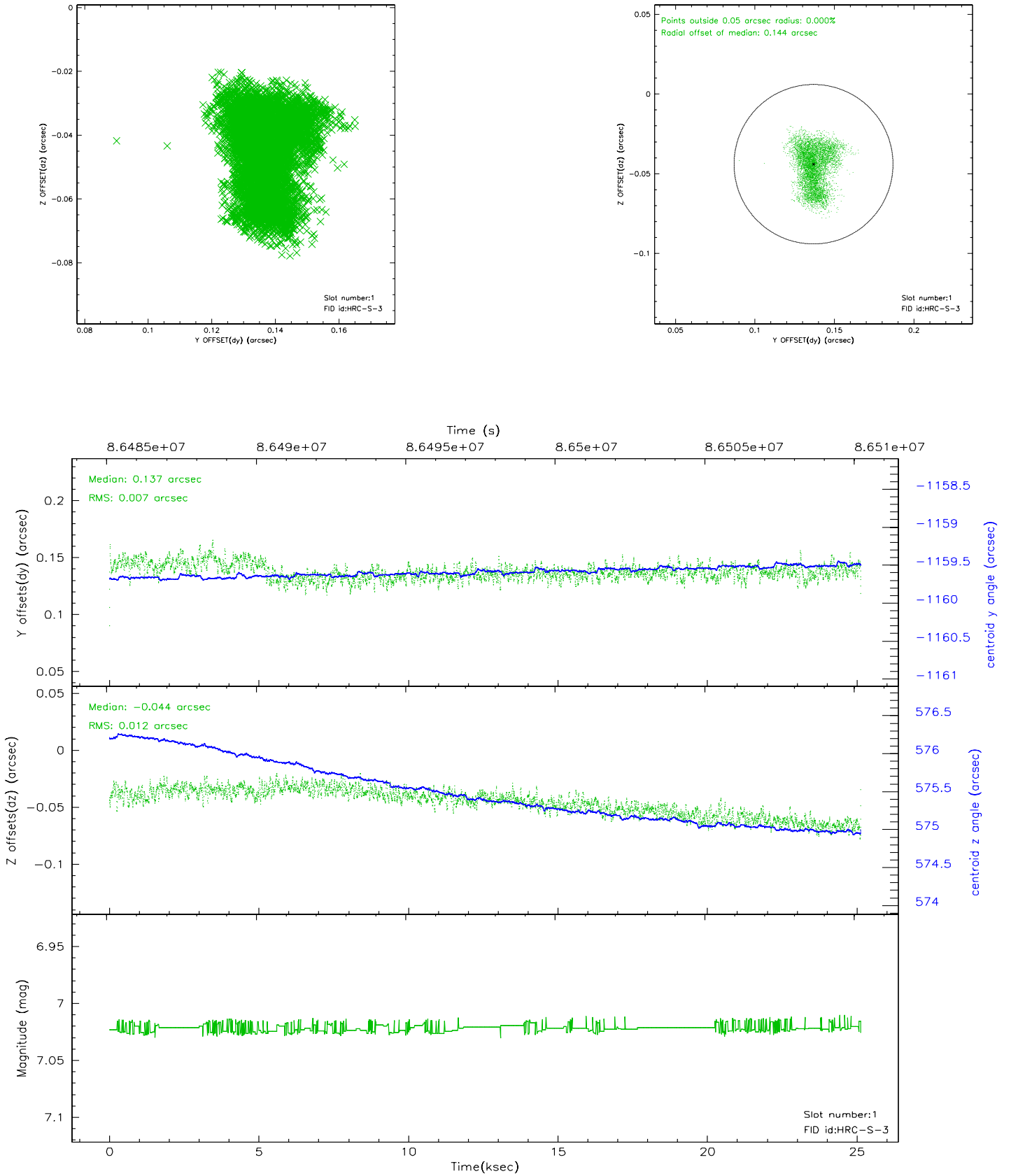


2.5 FID Slots

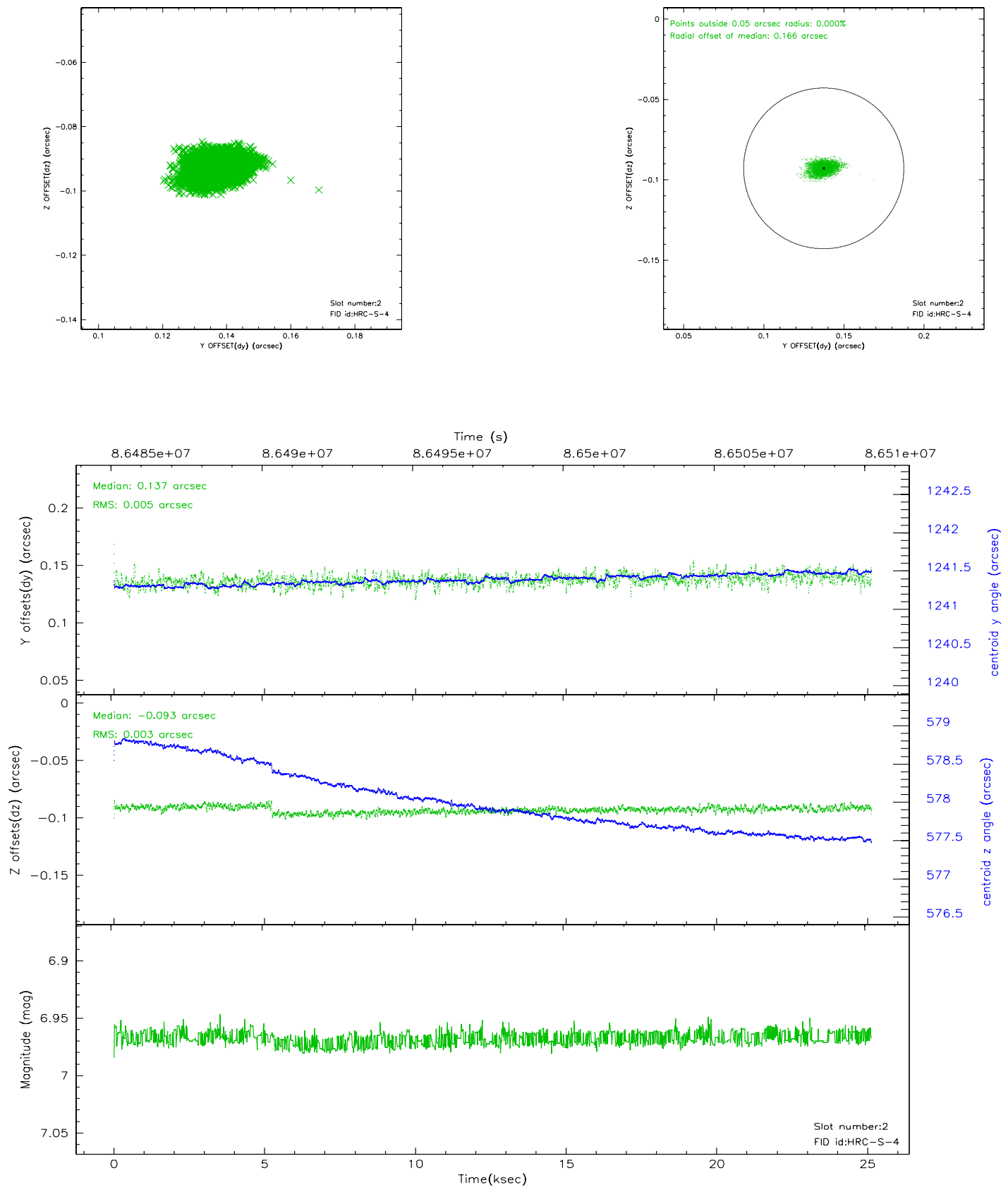
2.5.1 Slot 0



2.5.2 Slot 1

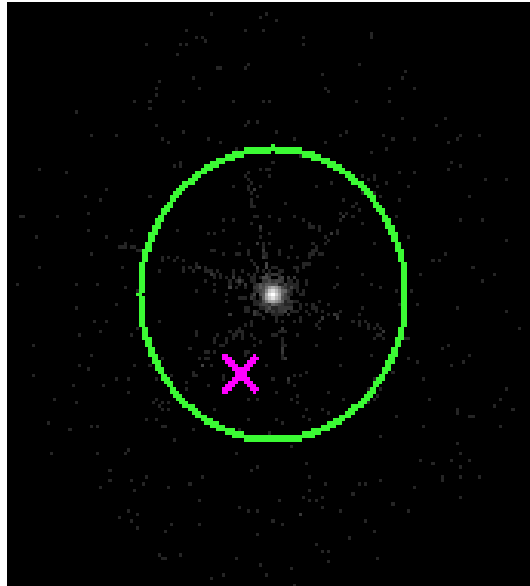


2.5.3 Slot 2



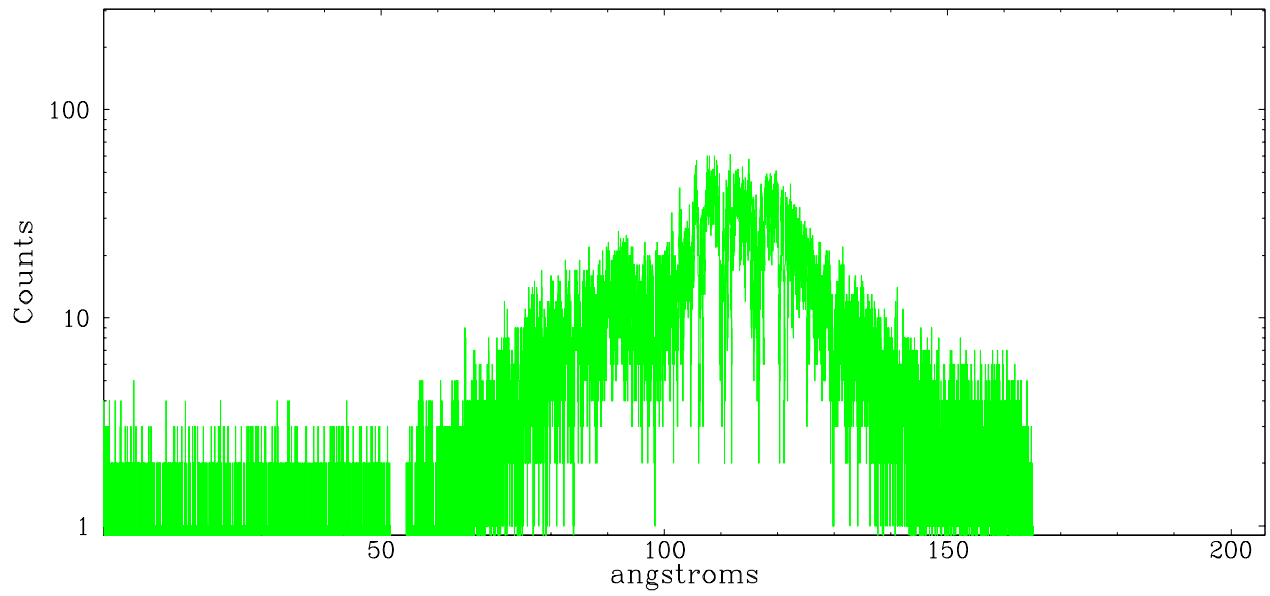
3 Gratings

3.1 LETG Arm

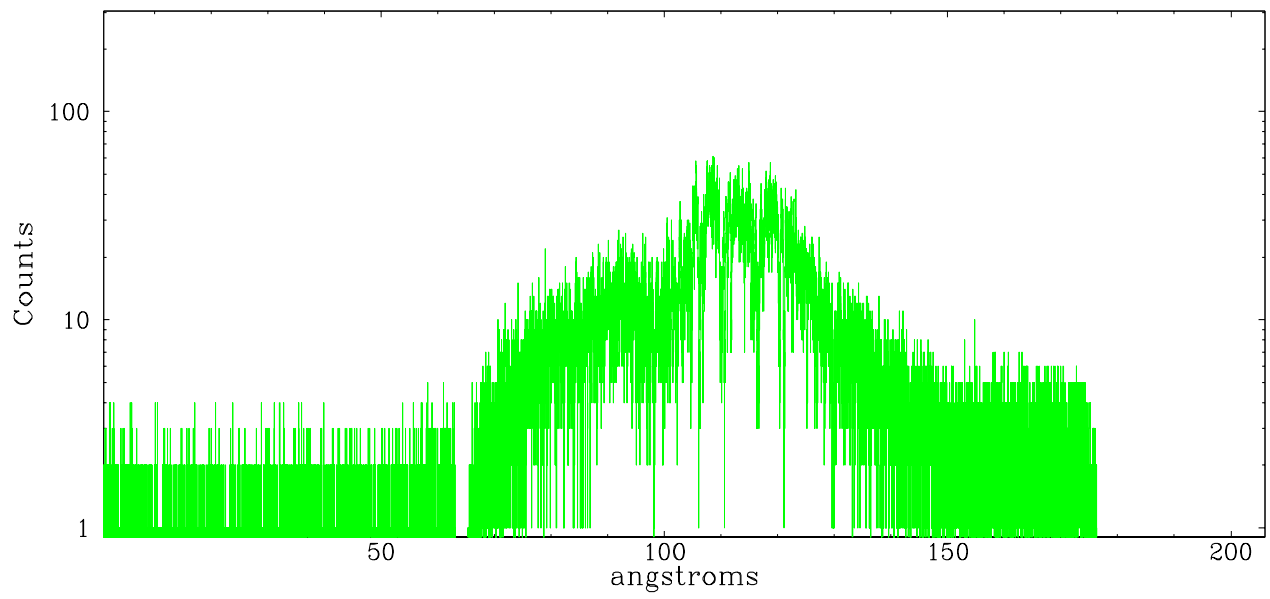


LETG Zero Order

leg order -1



leg order $+1$



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2007.06.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.126

A.2 Comments

SIMBAD coordinates for this object are ra= 15 02 09.62, dec= +66 12 18.6.

X-ray source is located at ra=15:02:09.59, dec=+66:12:19.2. There are a few spikes in count rate due to a high radiation environment. These spikes are mirrored in the dead time factor (DTF) file.