

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 589 - L2 Version 001
Chandra X-Ray Center

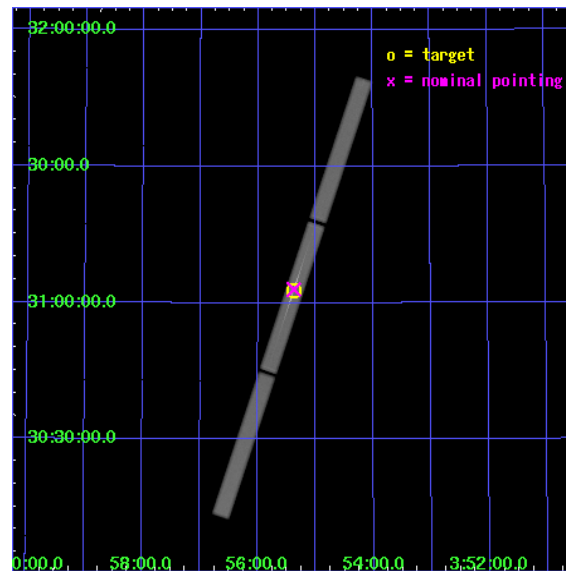
L2 Processing Date : Jun 9 2007

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1 Front

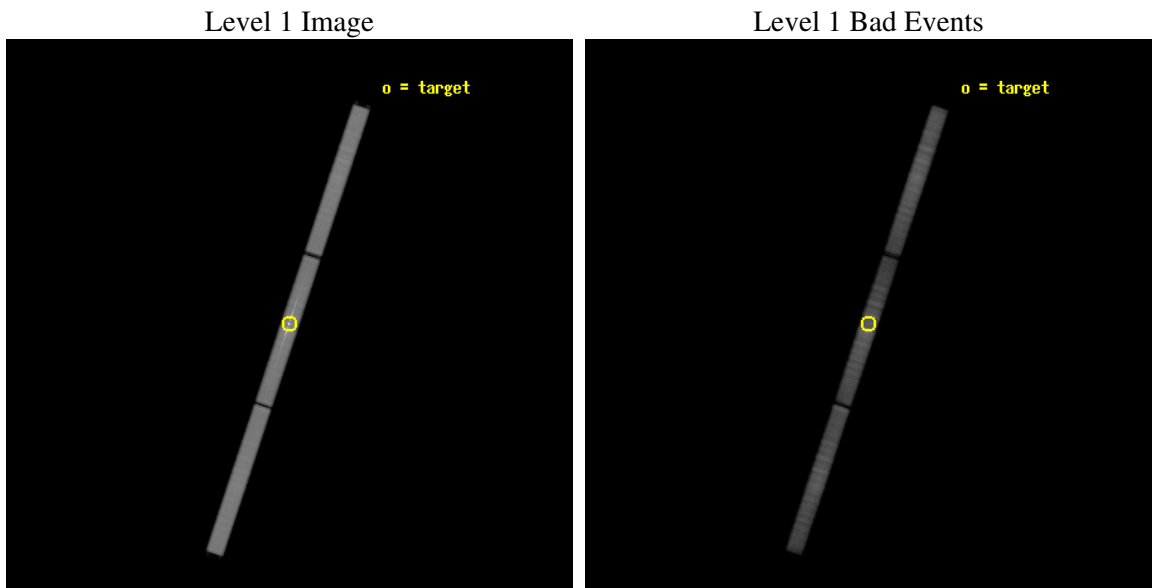
seq_num	400090
obs_id	589
title	ASSESSMENT OF INTERSTELLAR DEPLETIONS THROUGH X-RAY ABSORPTION AND SCATTERING BY DUST
observer	Dr. Theodore Snow
object	X PERSEI (HD 24534)
ra_targ	58.845833
dec_targ	31.045833
ra_nom	58.844259276992
dec_nom	31.050534745916
roll_nom	108.39637276942
revision	4
ontime	50150.433138624
livetime	49885.750477038
l2events	1910571



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0
ascdsver	7.6.10
caldbver	3.4.0
date	2007-06-09T14:02:42
revision	4

sched_exp_time	50000.000000
ontime	50150.433139622
l1events	3072228

2.1.3 Events

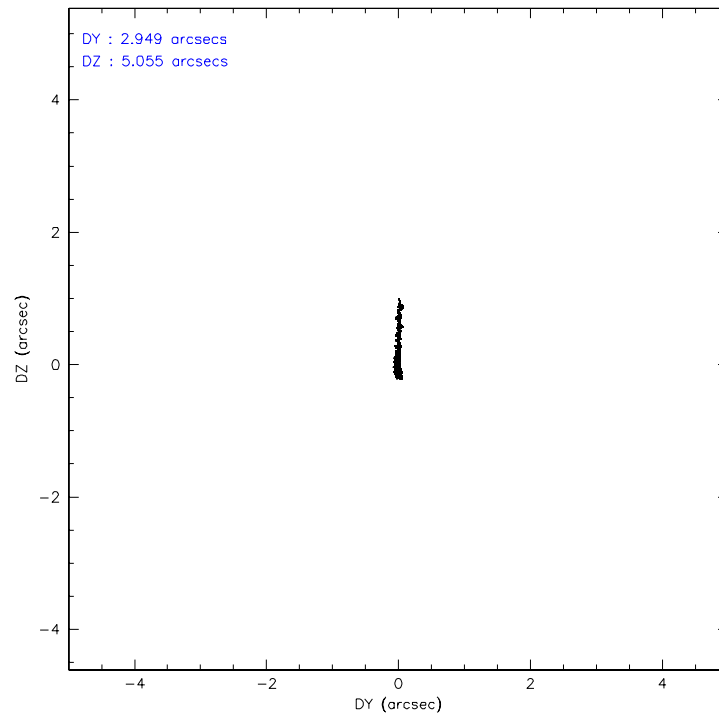
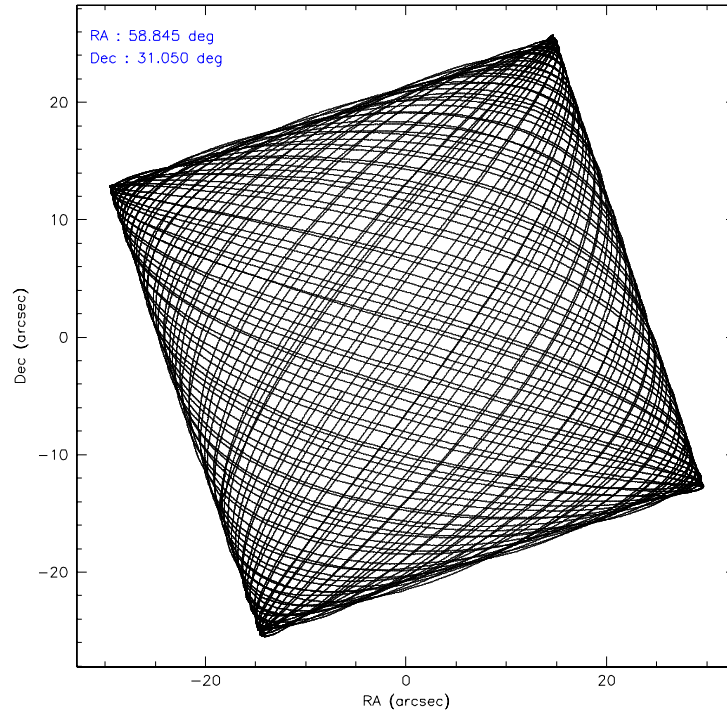
Level 1 Events

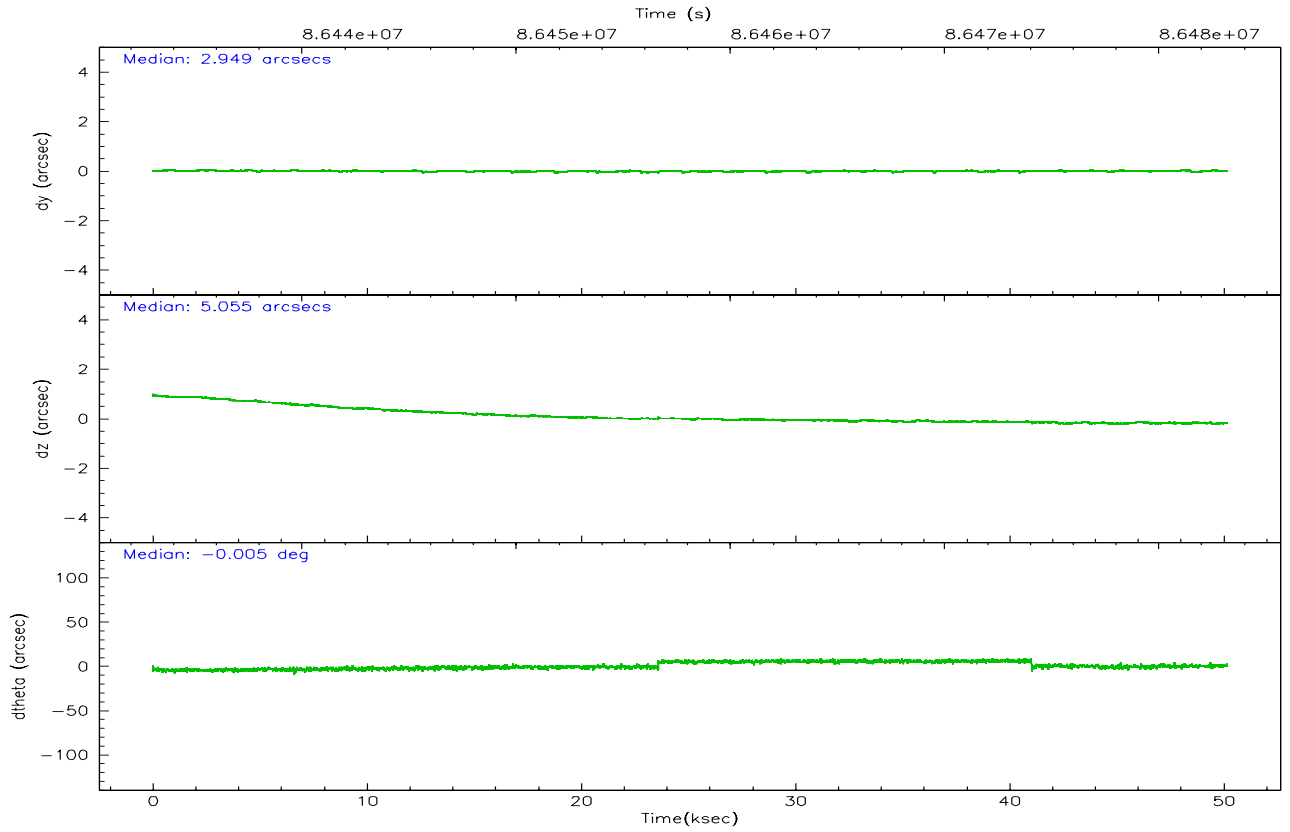
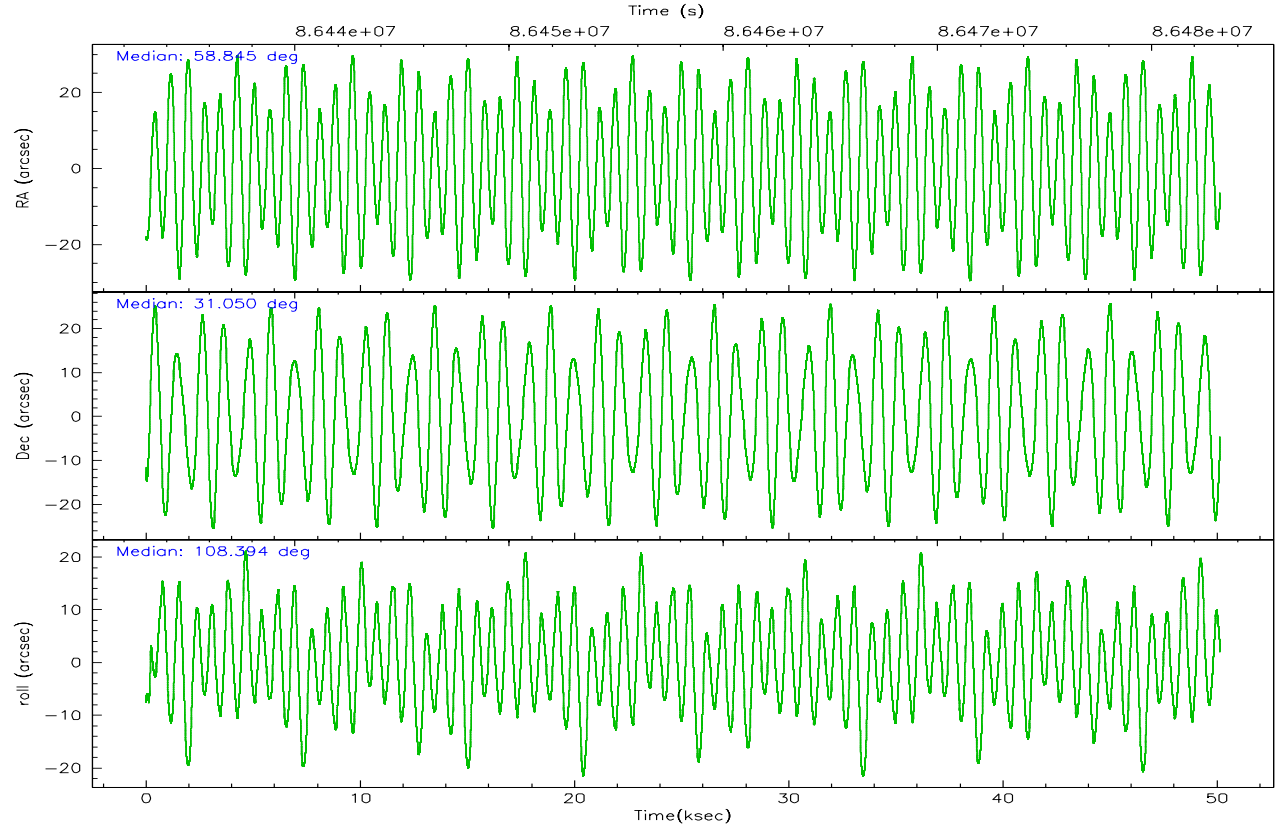
	segment 1	segment 2	segment 3
level 1 events	1003064	1066823	1002341
rejected events	281133	291951	327276
rejected %	28%	27%	32%

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	58.870284	58.84425927699196			
Pointing Dec	31.032413	31.05053474591562			
Pointing Roll	108.315618	108.3963727694233			
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	86433189.184000	86432181.887255			
Observation start date	2000-09-27T09:12:05	2000-09-27T08:56:21			
Observation end time	86483189.184000	86484086.35171001			
Observation end date	2000-09-27T23:05:25	2000-09-27T23:21:26			

2.3 Aspect



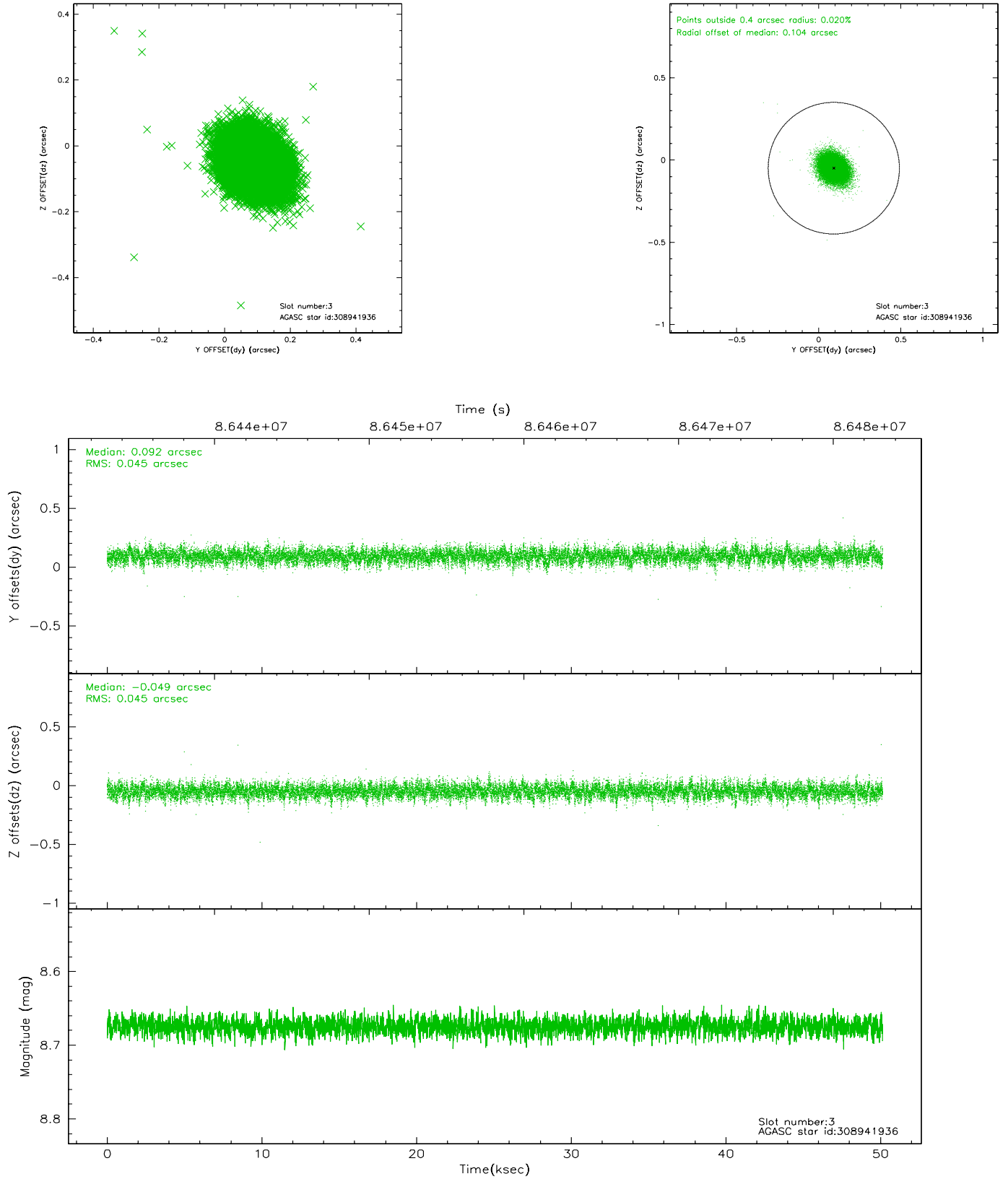


Slot Statistics

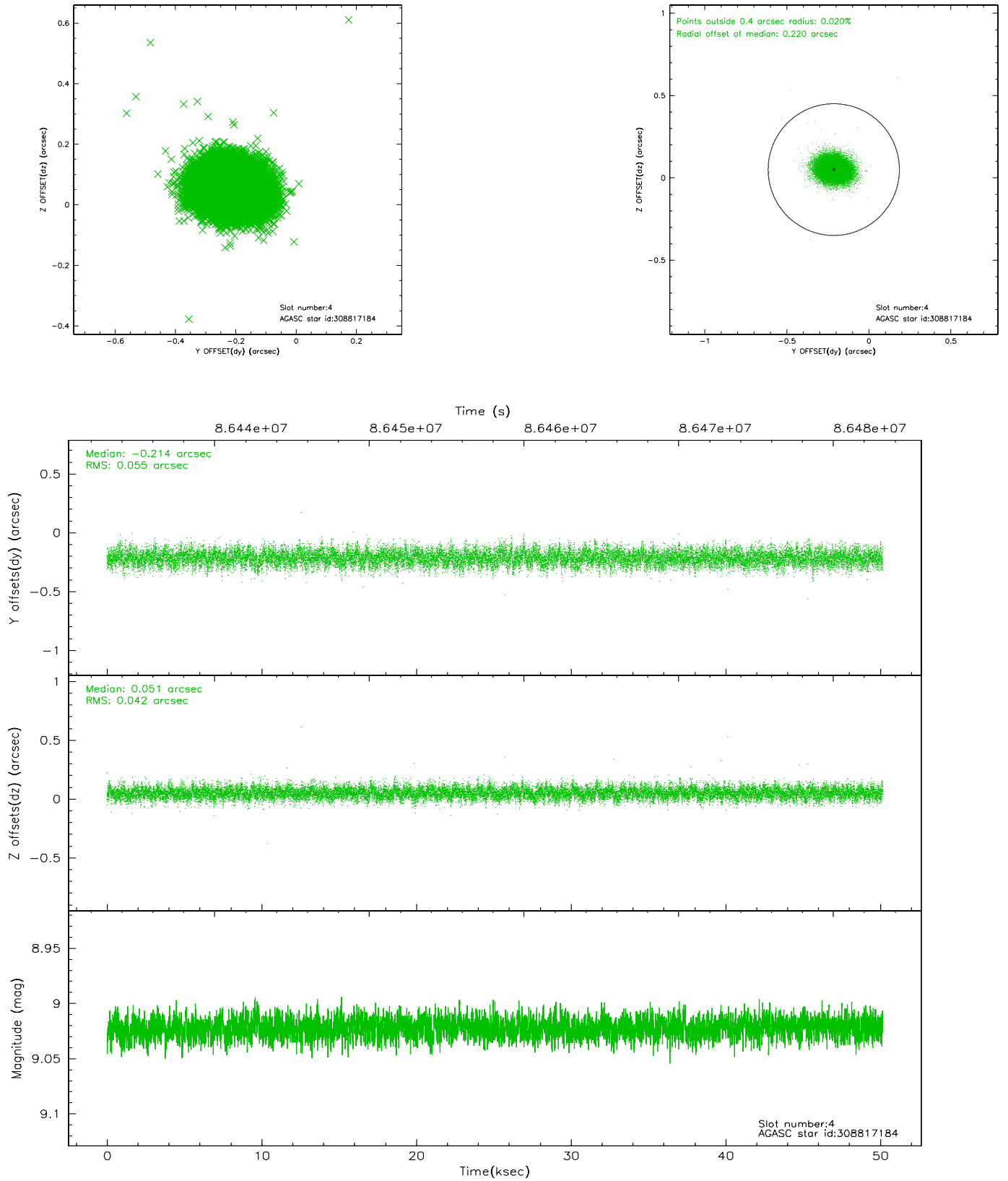
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.00	12232	0.111	-0.165	0.015	0.022	0.000000	0.000000	-1157.00	-453.74
1	FID	HRC-S-3	7.02	12232	0.142	-0.038	0.014	0.024	0.000000	0.000000	-1159.81	575.88
2	FID	HRC-S-4	6.96	12231	0.134	-0.092	0.007	0.012	0.000000	0.000000	1241.16	578.51
3	GUIDE	308941936	8.67	24462	0.092	-0.049	0.067	0.110	58.933086	30.682307	-1257.00	211.98
4	GUIDE	308817184	9.02	24463	-0.214	0.051	0.073	0.120	58.307684	31.492278	2118.76	1118.69
5	GUIDE	308939312	9.56	24448	0.076	0.007	0.091	0.149	58.586217	30.998569	161.51	870.77
6	GUIDE	308948528	9.92	24440	0.184	0.244	0.113	0.200	59.050173	30.670965	-1409.21	-119.19
7	GUIDE	308820936	6.58	24464	-0.139	-0.248	0.065	0.103	58.018524	31.168582	1299.70	2333.98

2.4 Star Slots

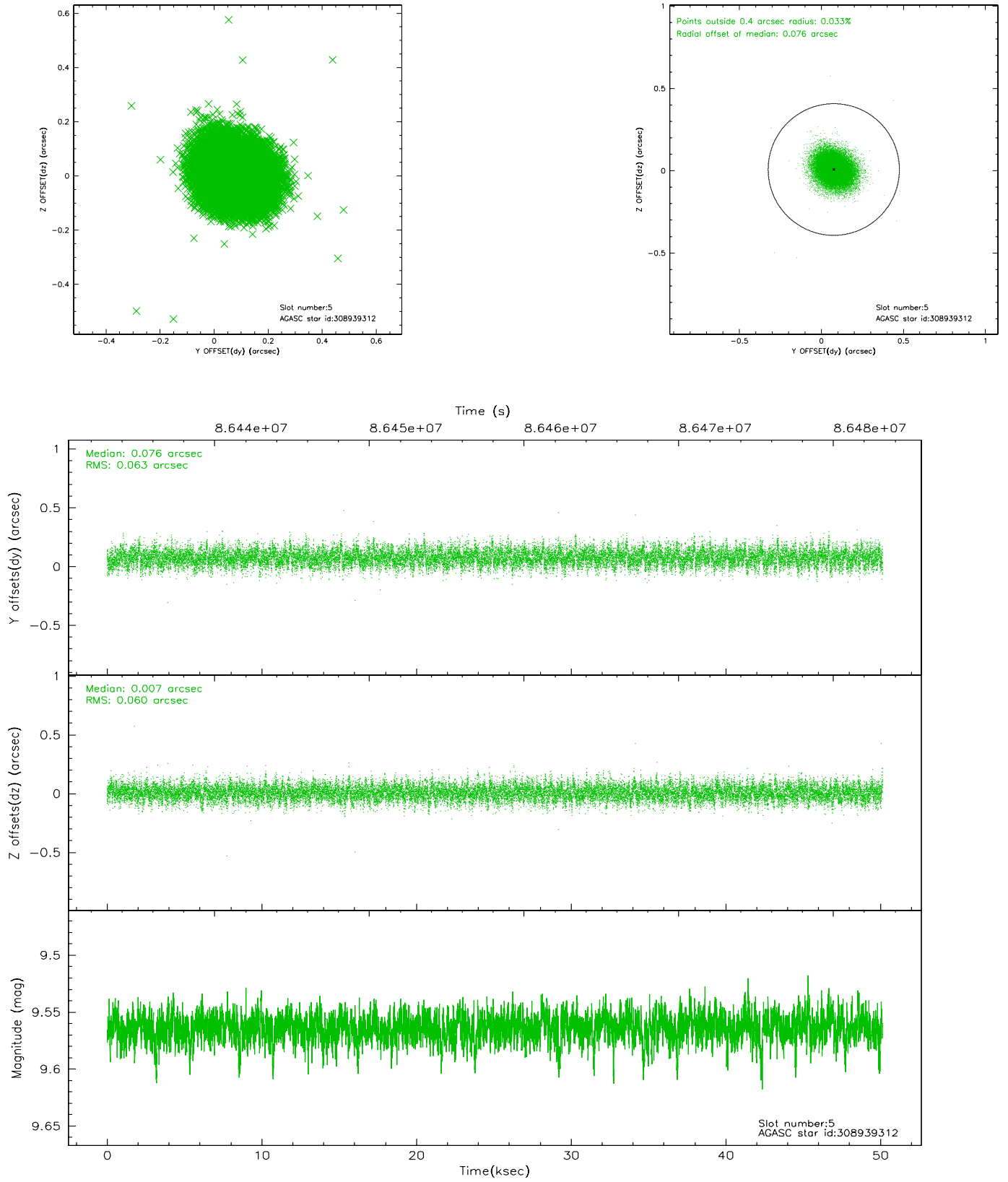
2.4.1 Slot 3



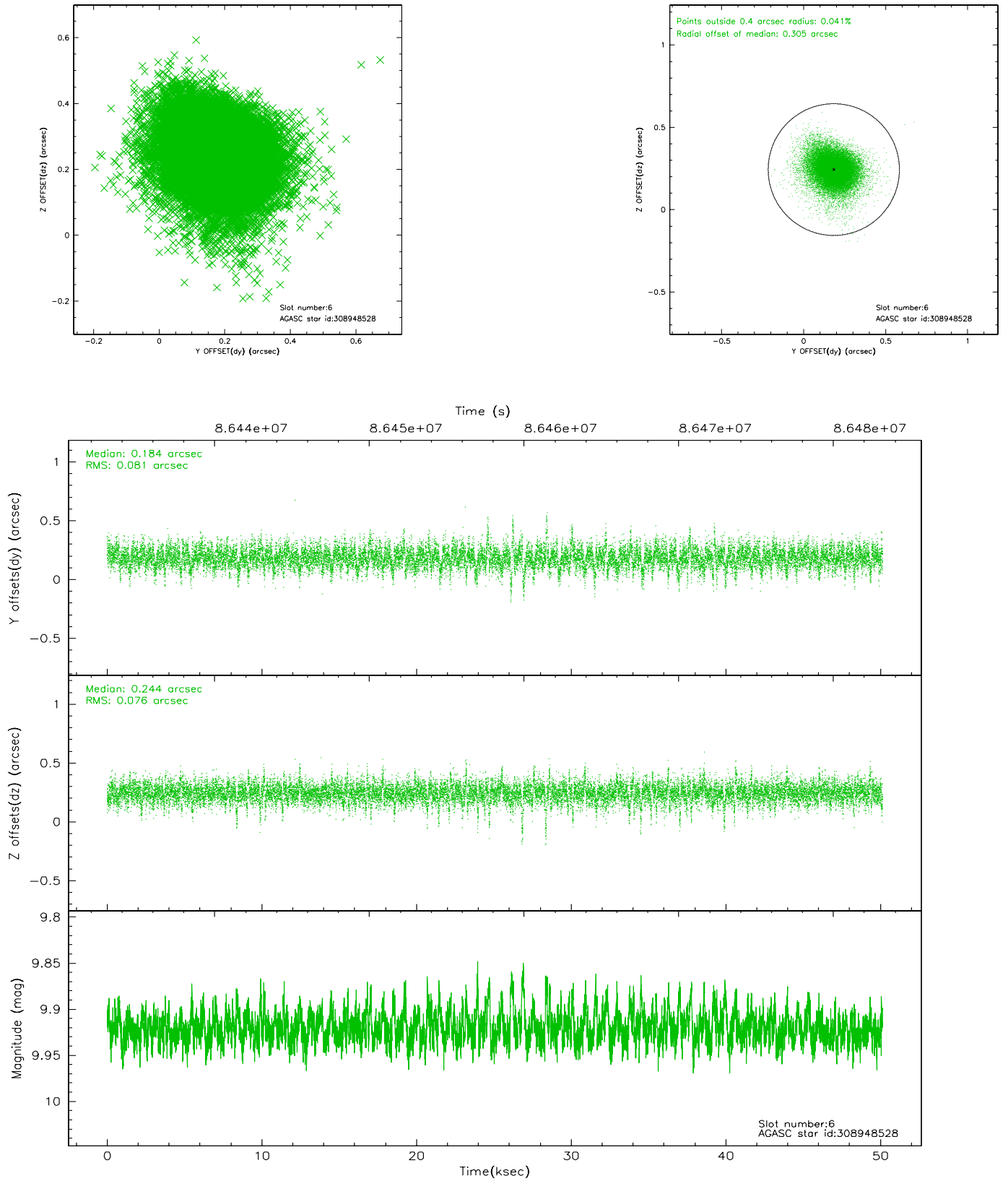
2.4.2 Slot 4



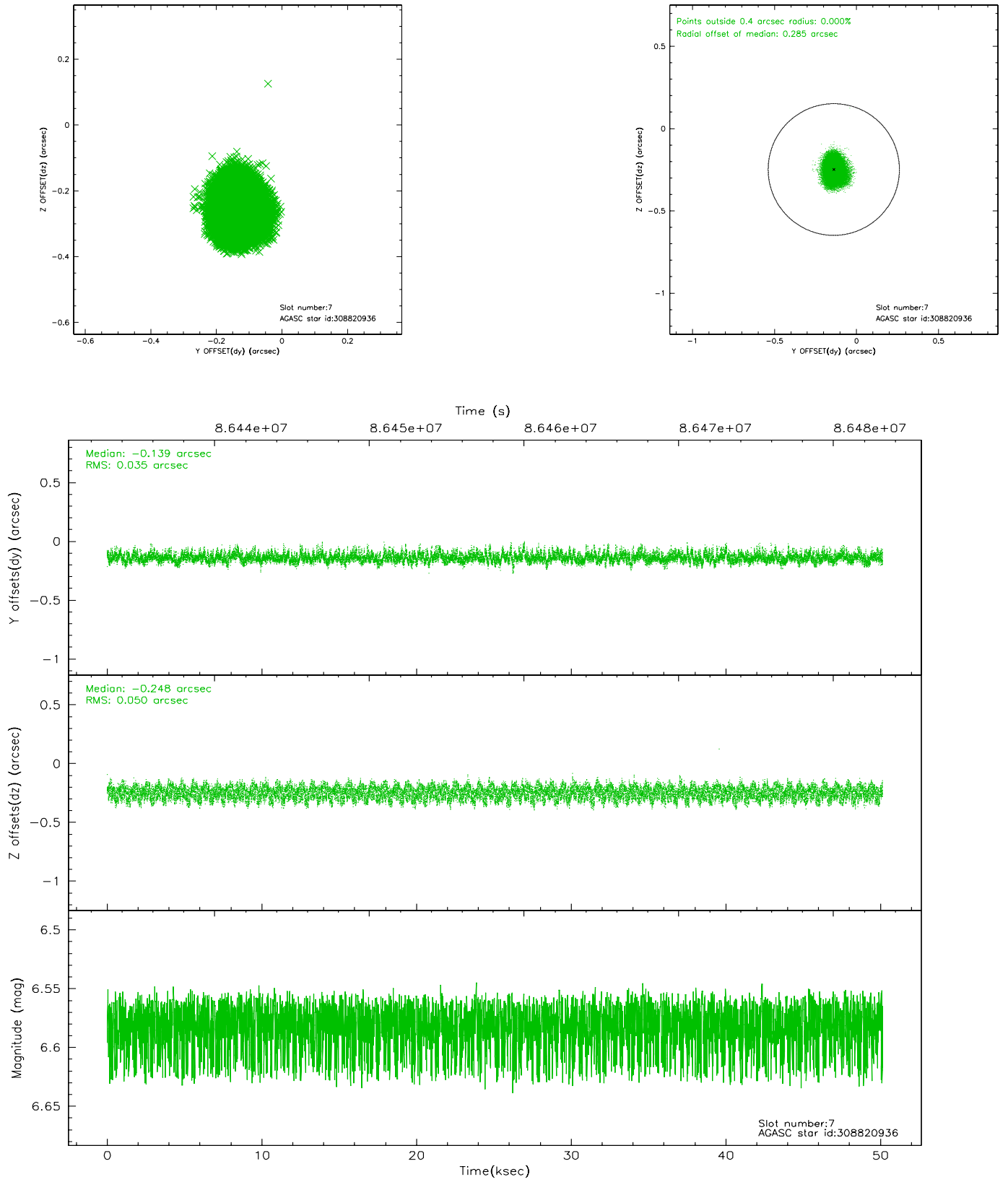
2.4.3 Slot 5



2.4.4 Slot 6

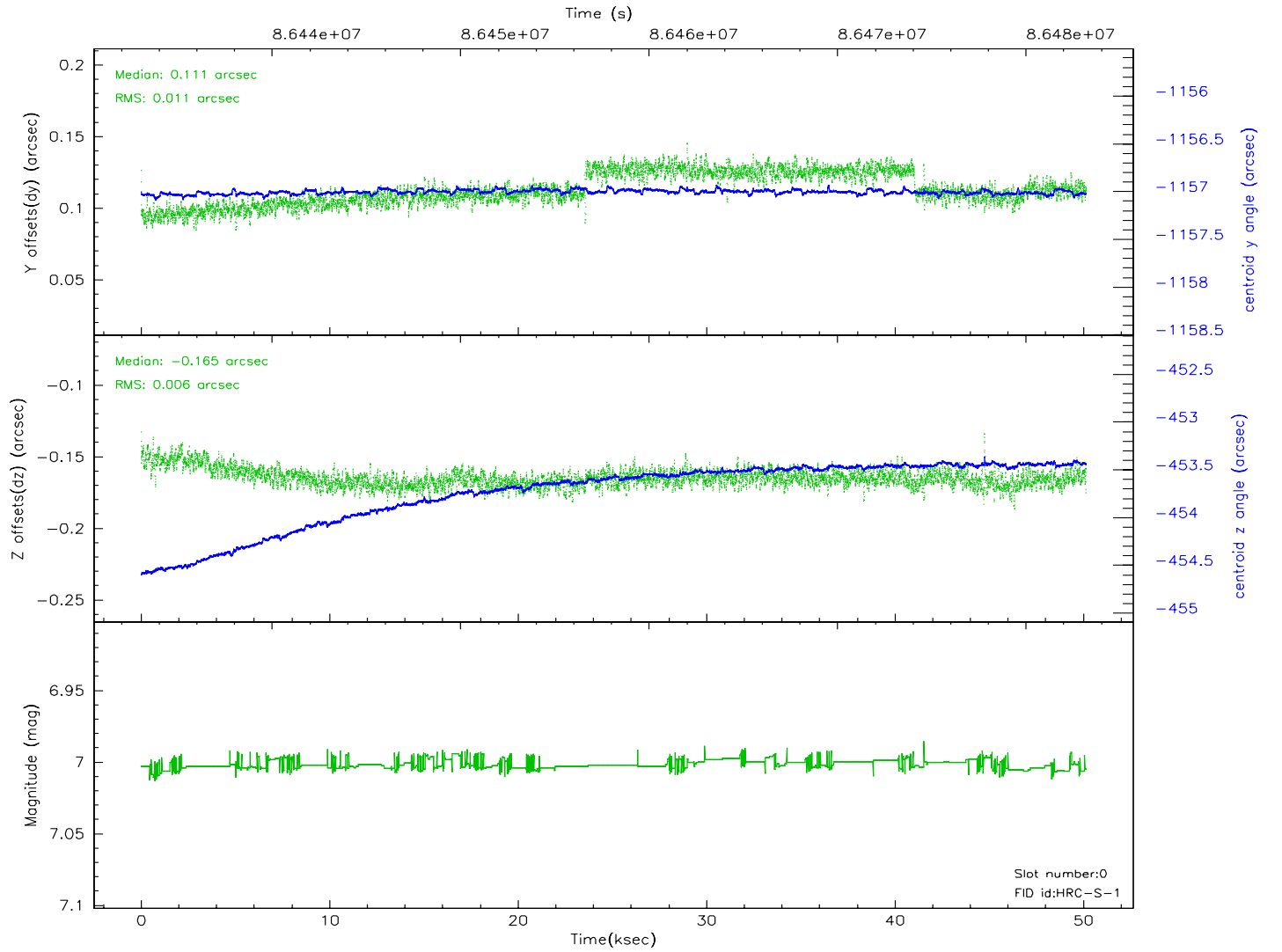
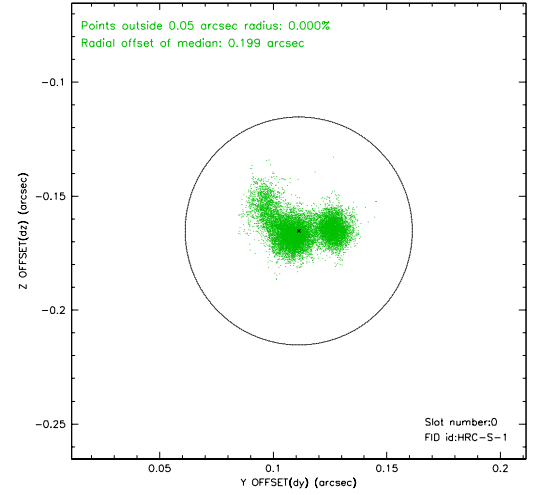
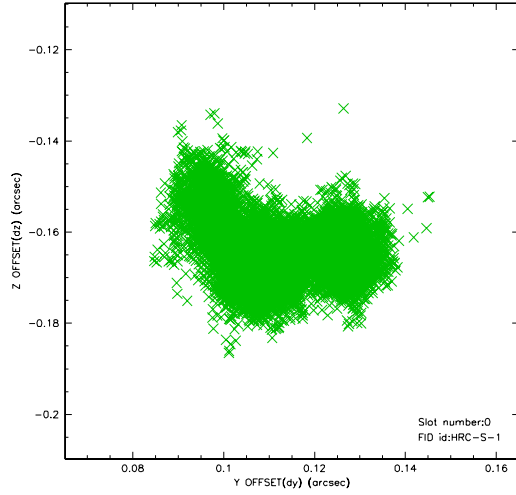


2.4.5 Slot 7

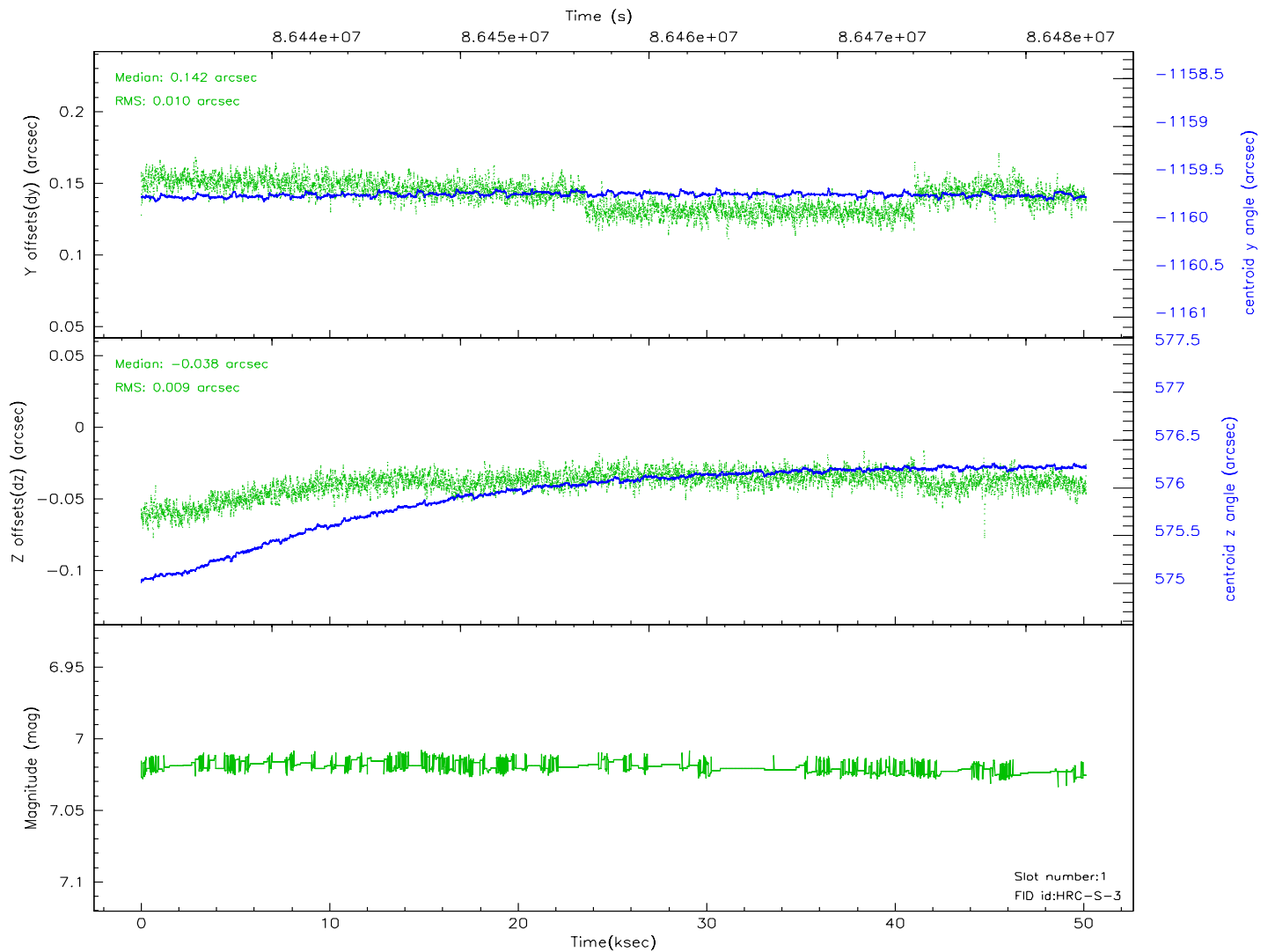
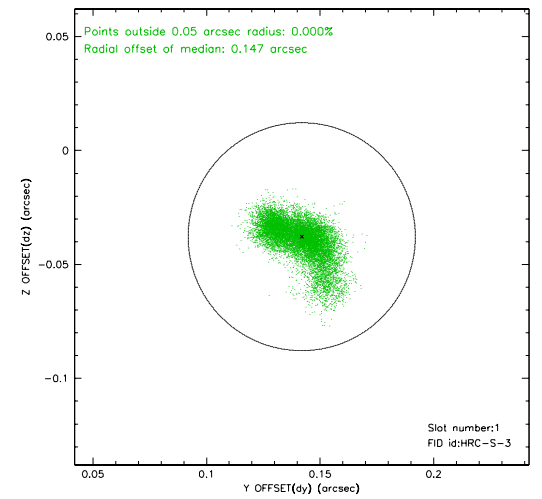
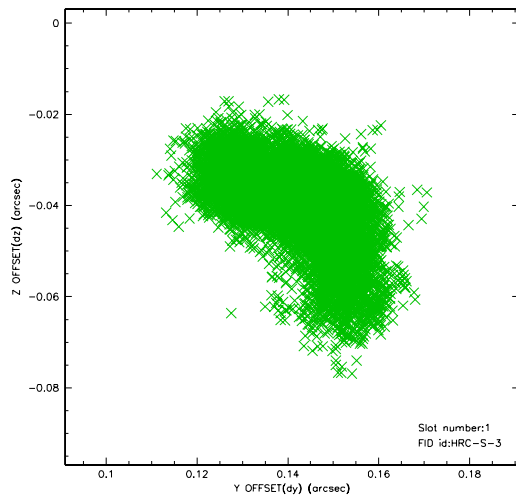


2.5 FID Slots

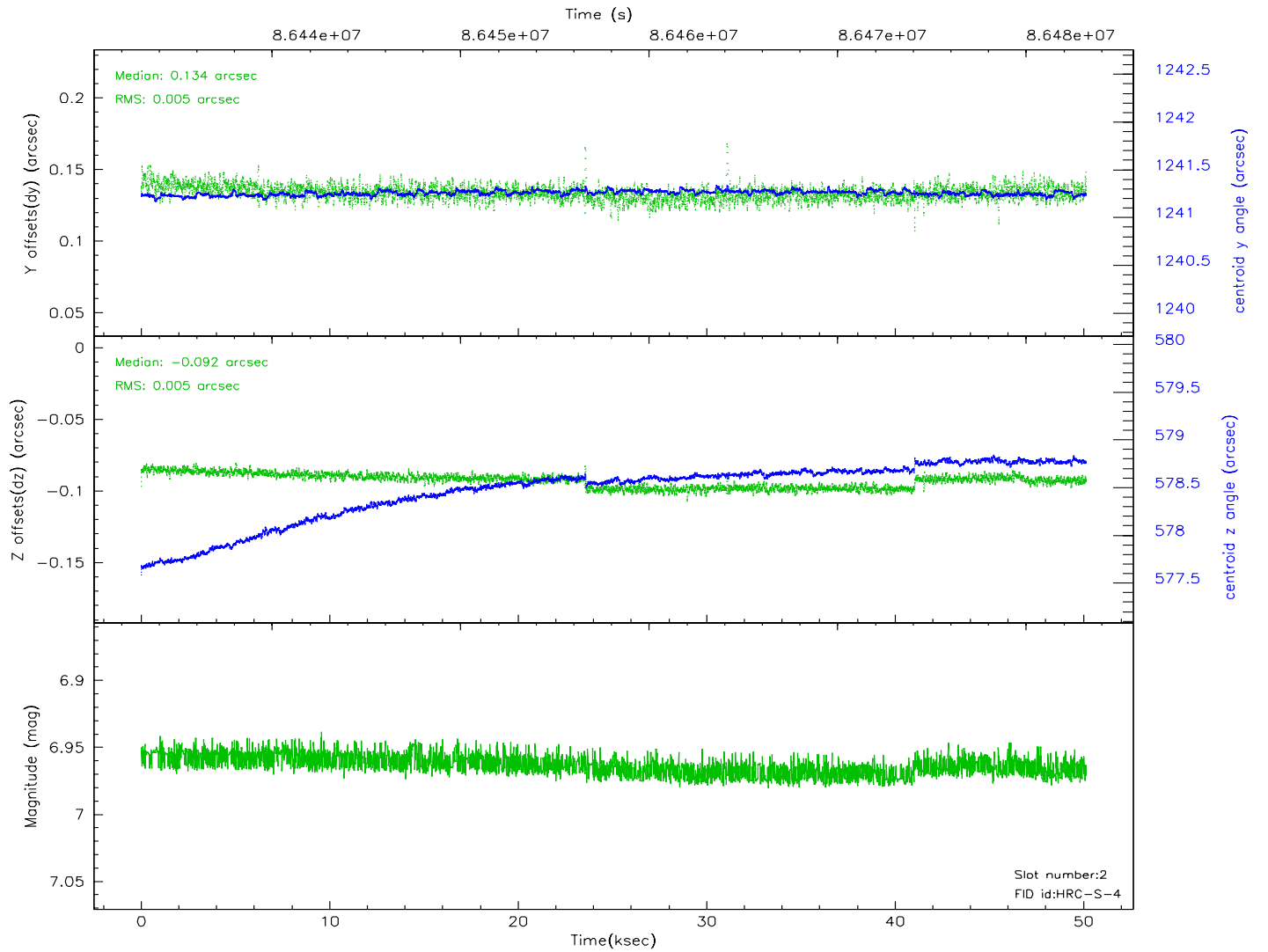
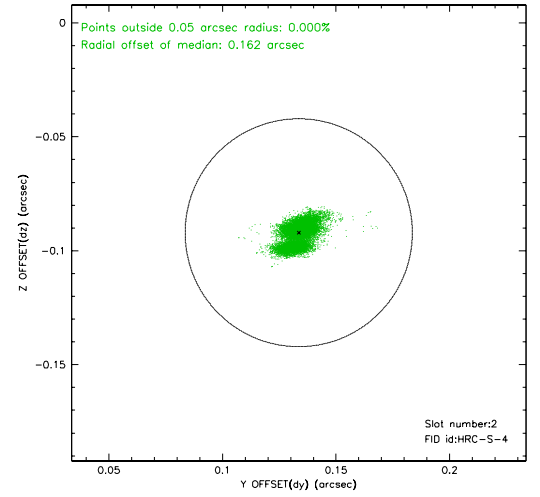
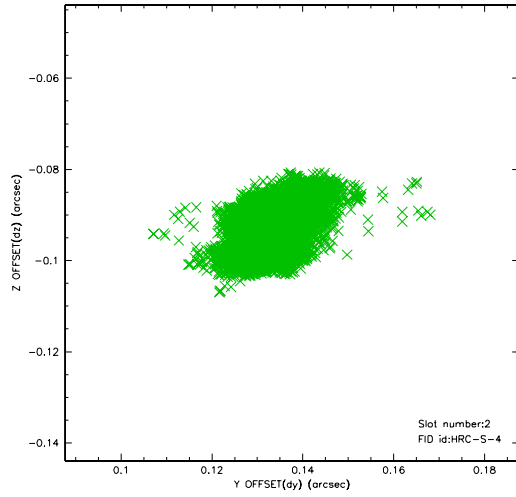
2.5.1 Slot 0



2.5.2 Slot 1

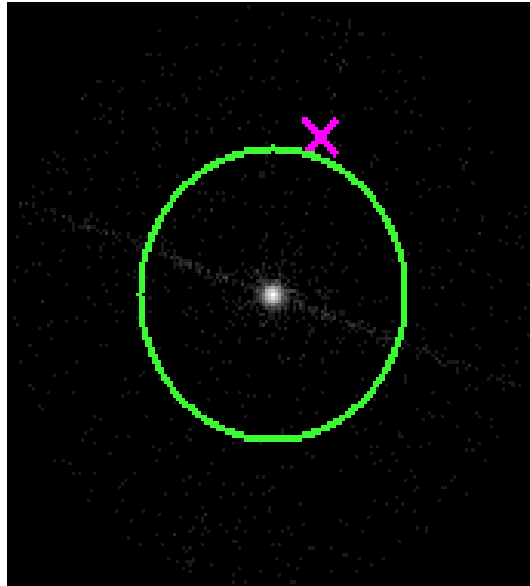


2.5.3 Slot 2



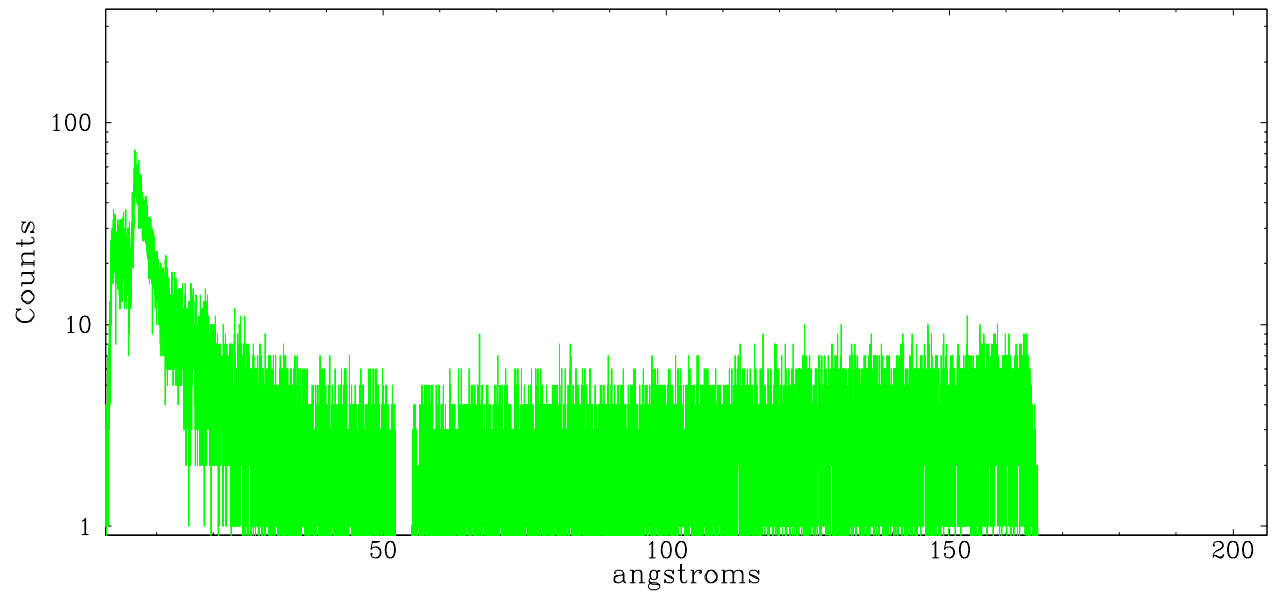
3 Gratings

3.1 LETG Arm

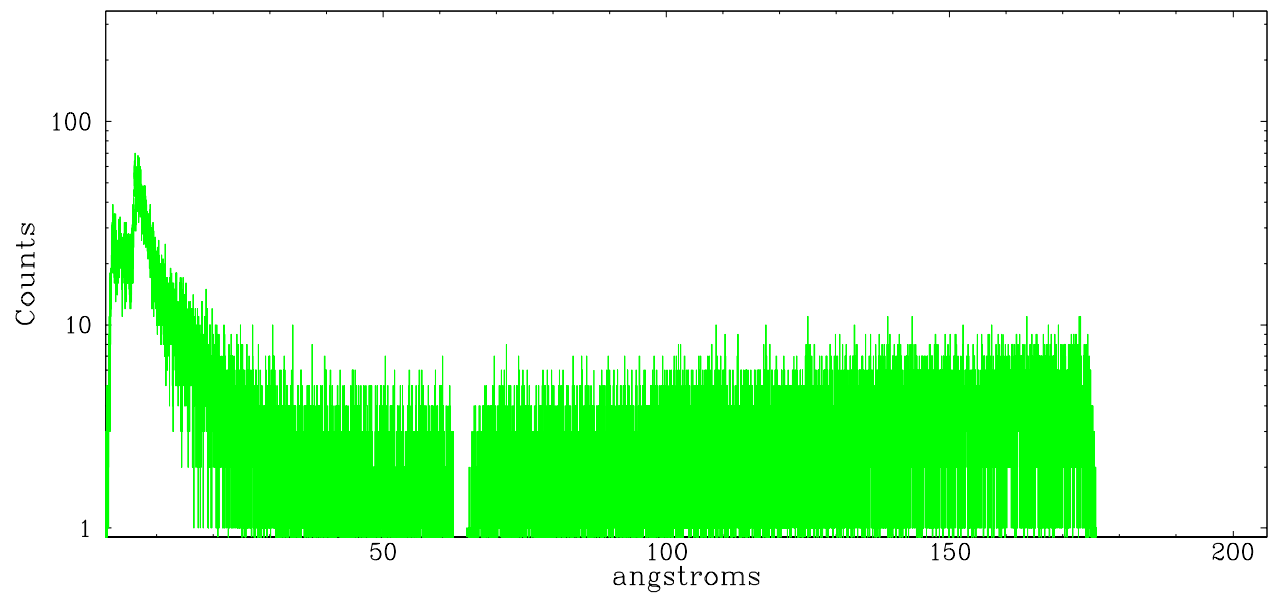


LETG Zero Order

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	50.131

A.2 Comments

There are a few spikes in count rate during this observation which are the result of a high radiation environment.