

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 4406 - L2 Version 001
Chandra X-Ray Center

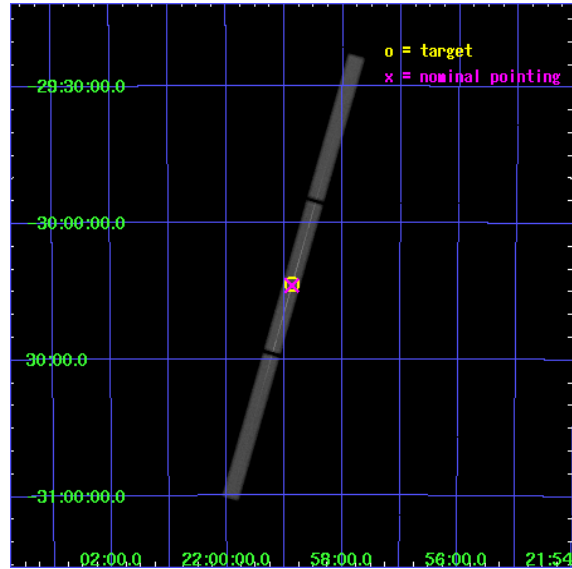
L2 Processing Date : Oct 13 2006

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1 Front

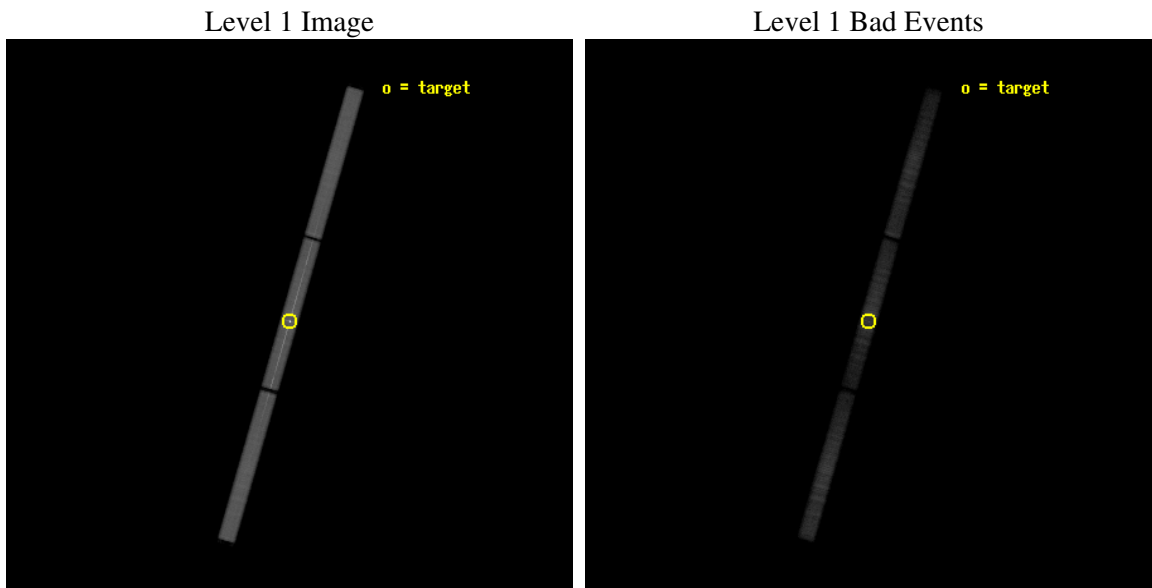
seq_num	790085
obs_id	4406
title	AO4 CALIBRATION OBSERVATIONS OF PKS2155-304
observer	Dr. CXC Calibration
object	PKS2155-304
ra_targ	329.716667
dec_targ	-30.225556
ra_nom	329.71791488455
dec_nom	-30.230106198065
roll_nom	286.09096712469
revision	2
ontime	13853.900577575
livetime	13761.006254061
l2events	738682



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1
ascdsver	7.6.9
caldbver	3.2.3
date	2006-10-13T16:45:25
revision	2

sched_exp_time	14000.000000
ontime	14176.775591016
l1events	1040940

2.1.3 Events

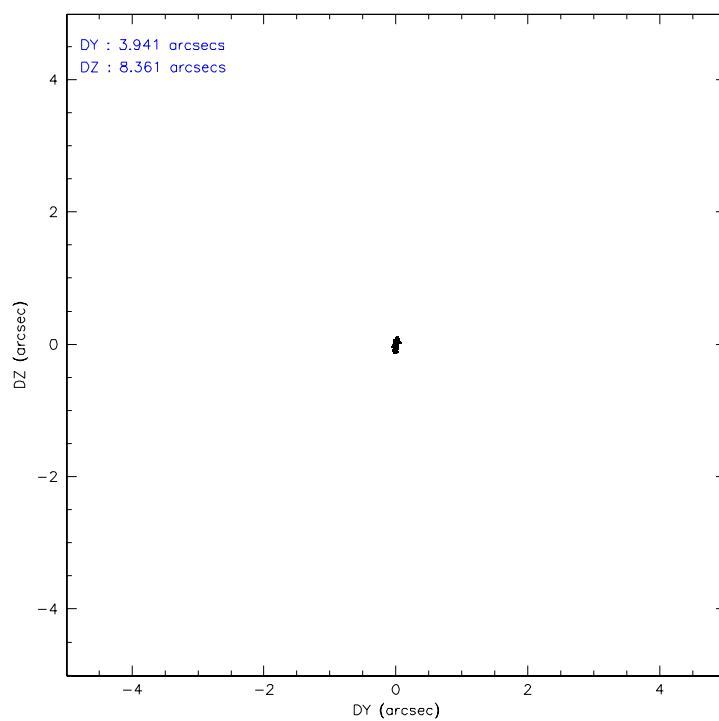
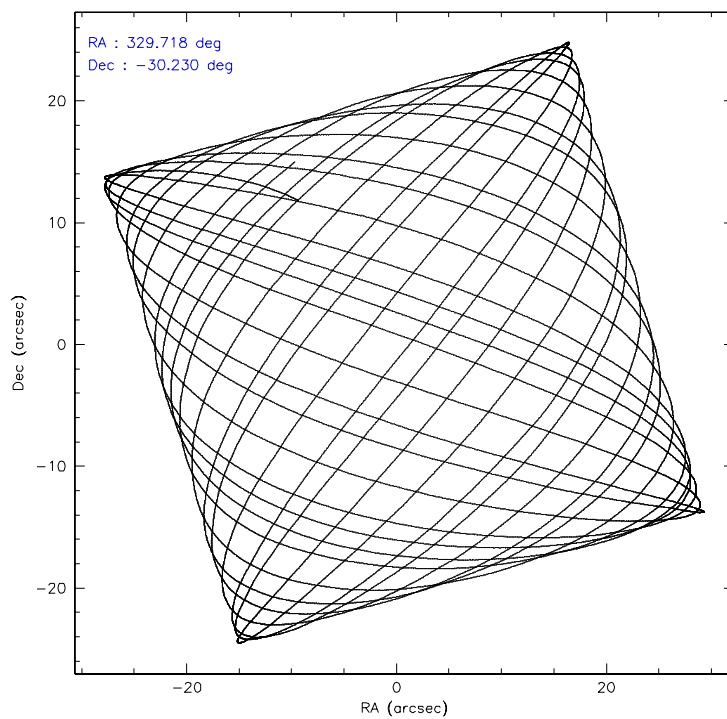
Level 1 Events

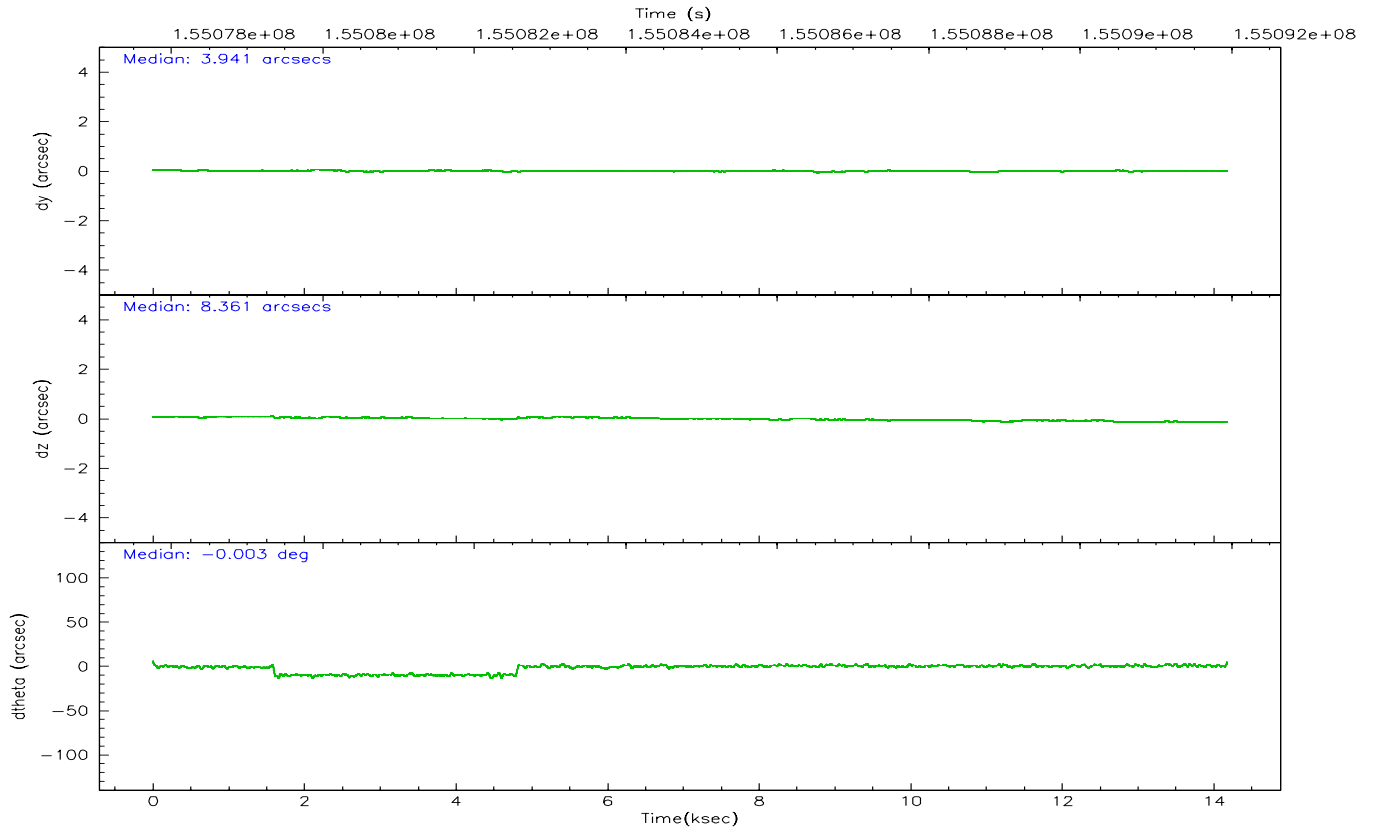
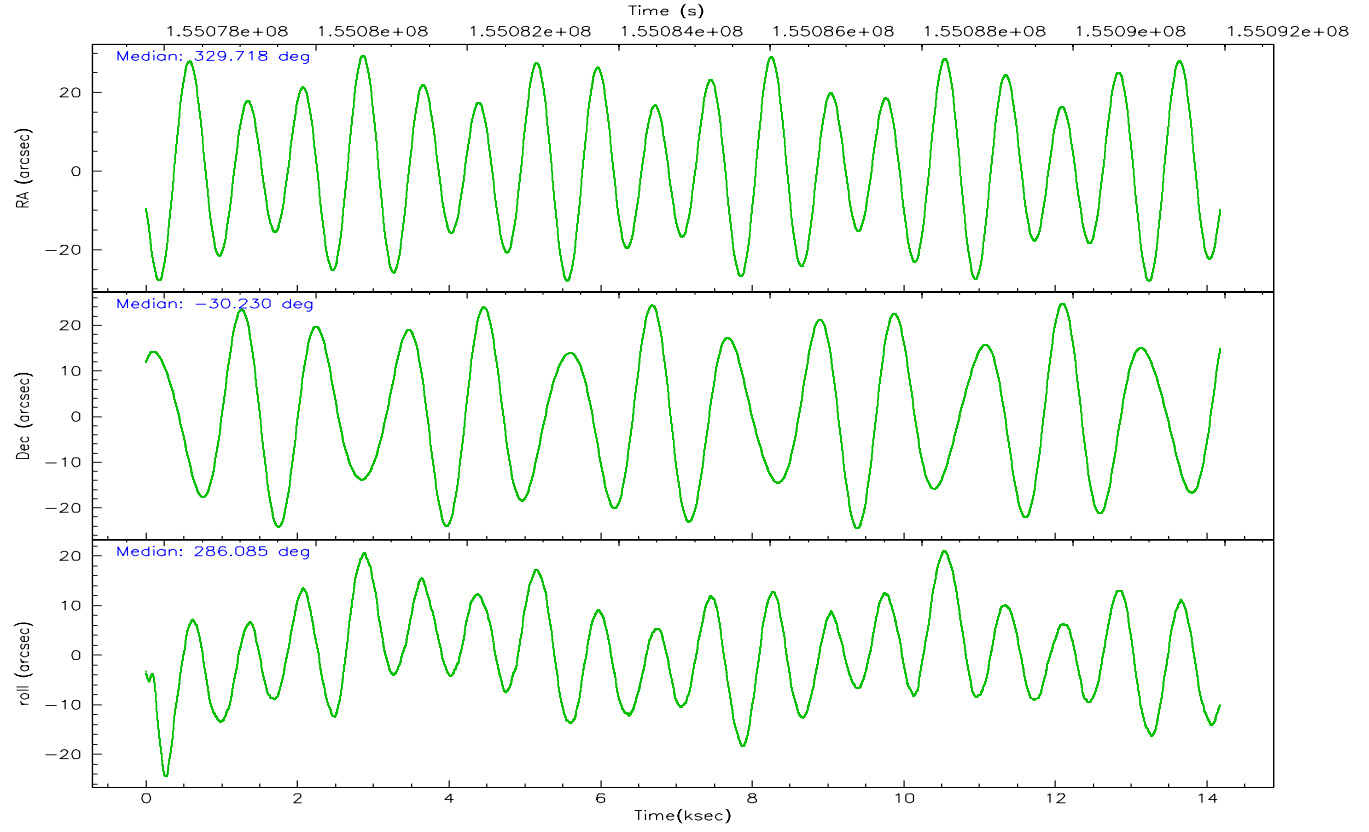
	segment 1	segment 2	segment 3
level 1 events	335123	376419	329398
rejected events	64918	72287	79754
rejected %	19%	19%	24%

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	329.693066	329.7179148845485			
Pointing Dec	-30.211299	-30.23010619806468			
Pointing Roll	286.011126	286.0909671246862			
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	155077936.184000	155077565.19255			
Observation start date	2002-11-30T21:11:12	2002-11-30T21:06:05			
Observation end time	155091936.184000	155092765.94319			
Observation end date	2002-12-01T01:04:32	2002-12-01T01:19:25			

2.3 Aspect



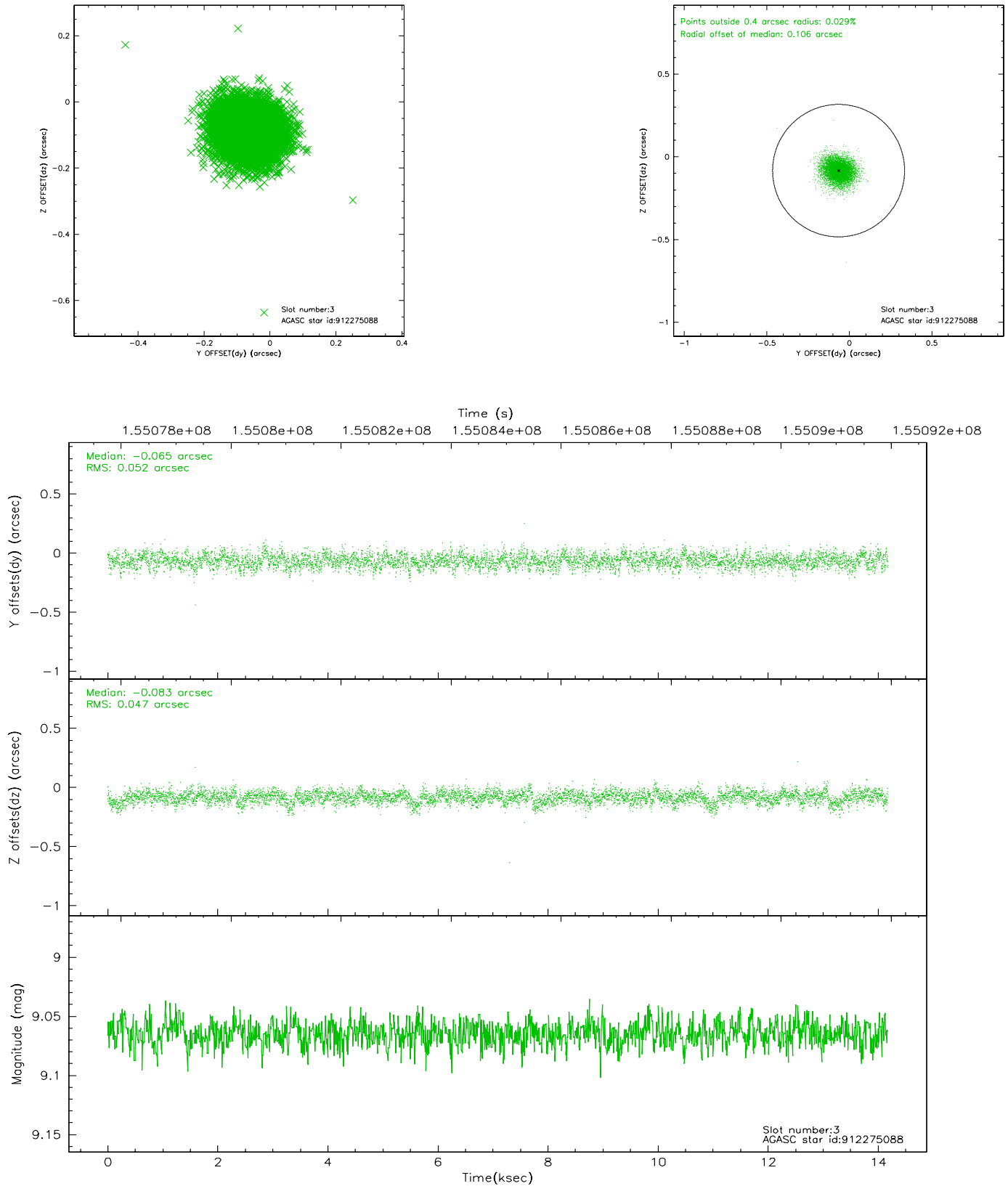


Slot Statistics

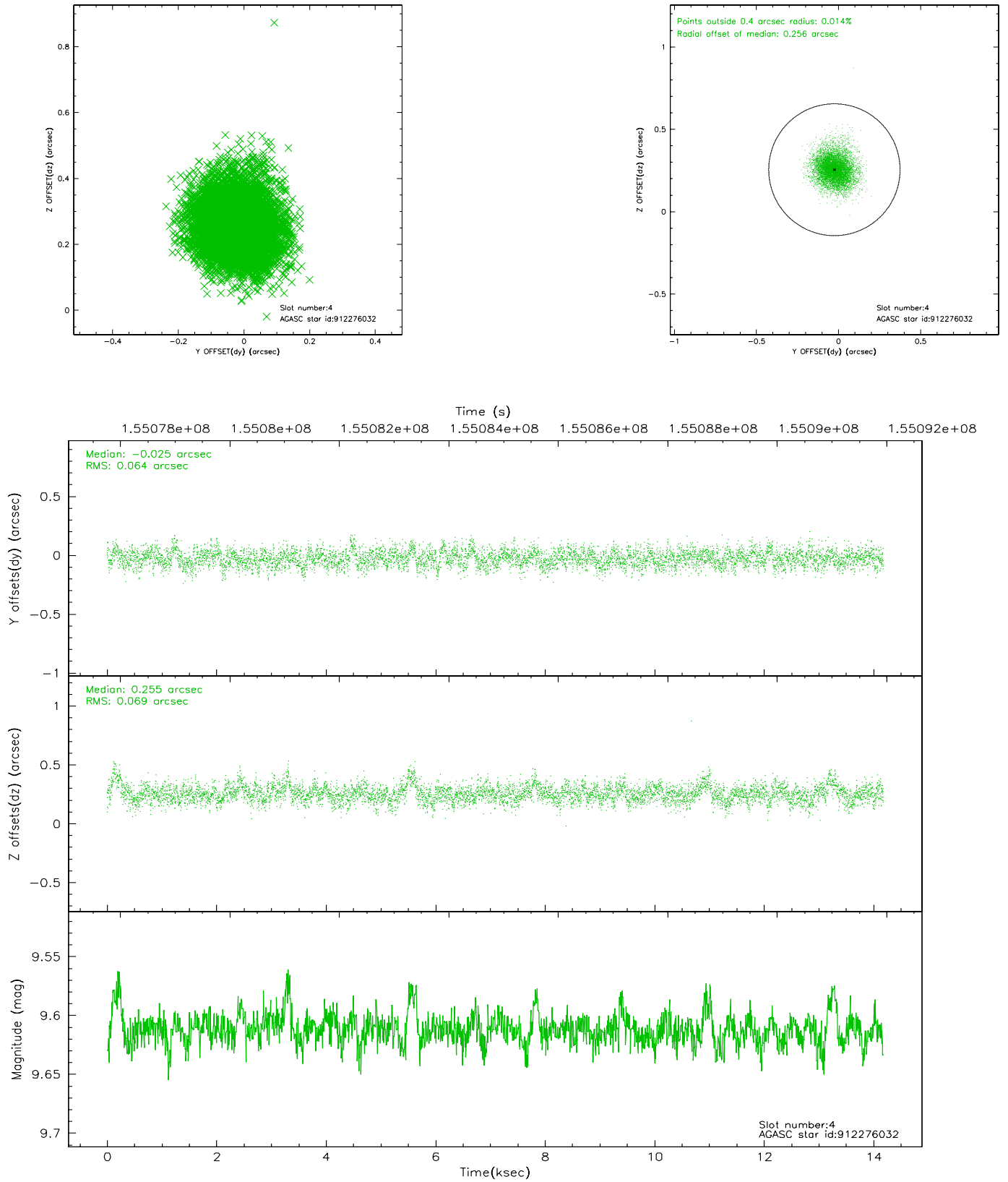
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.02	3457	0.130	-0.123	0.011	0.021	0.000000	0.000000	-1158.01	-456.95
1	FID	HRC-S-3	7.04	3457	0.122	-0.074	0.012	0.034	0.000000	0.000000	-1161.07	572.50
2	FID	HRC-S-4	7.00	3457	0.135	-0.100	0.007	0.018	0.000000	0.000000	1239.92	575.34
3	GUIDE	912275088	9.06	6913	-0.065	-0.083	0.074	0.121	329.619228	-29.738698	-1697.93	248.17
4	GUIDE	912276032	9.61	6902	-0.025	0.255	0.099	0.164	329.395967	-29.803466	-1665.20	-486.35
5	GUIDE	981468016	9.01	6906	-0.010	-0.140	0.122	0.186	328.842457	-30.034984	-1330.75	-2375.14
6	GUIDE	981468128	9.37	6911	0.015	-0.010	0.088	0.145	329.756350	-30.158334	-127.92	242.63
7	GUIDE	981469488	9.61	6914	0.084	-0.014	0.096	0.156	329.261199	-30.045155	-942.40	-1128.39

2.4 Star Slots

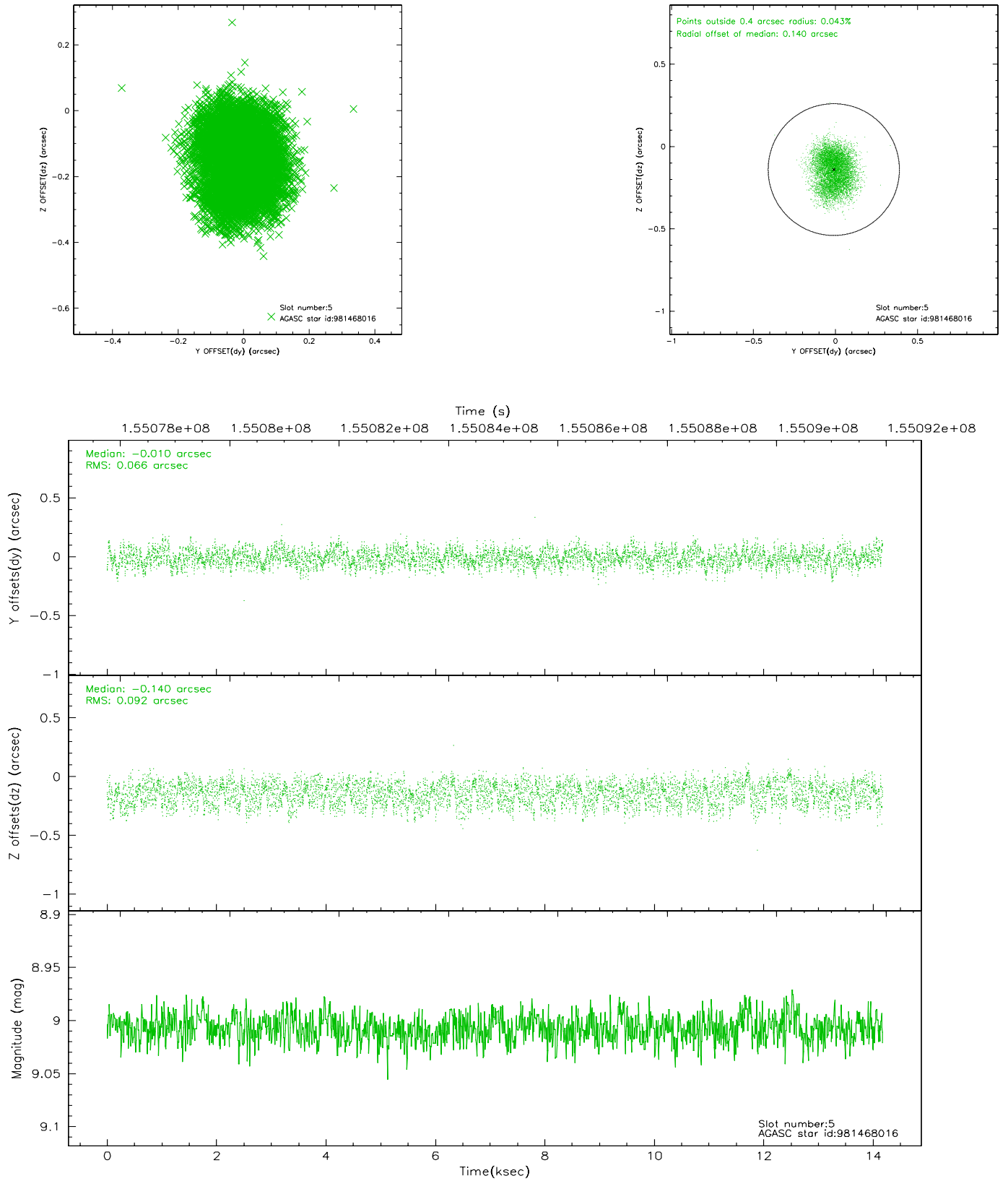
2.4.1 Slot 3



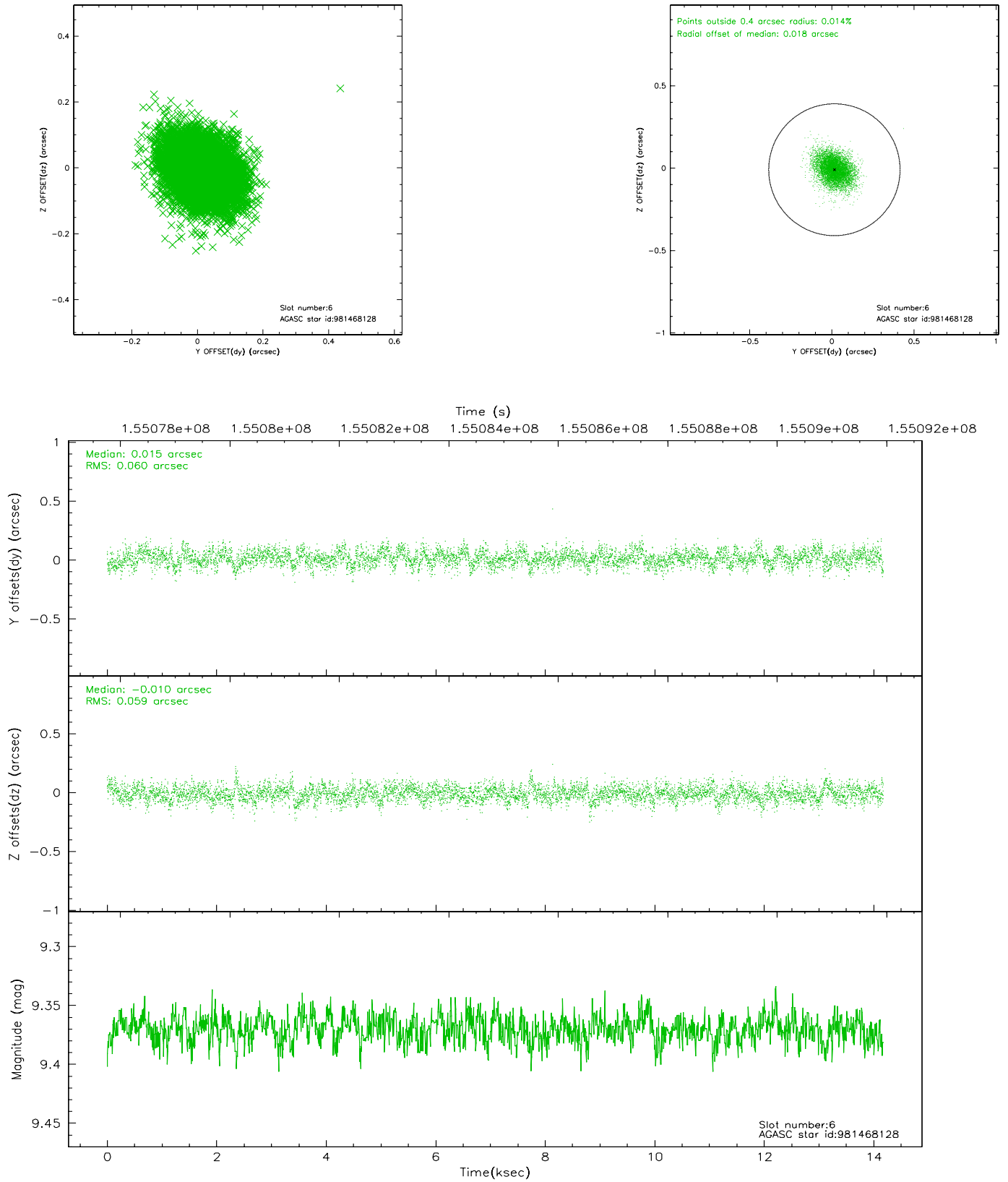
2.4.2 Slot 4



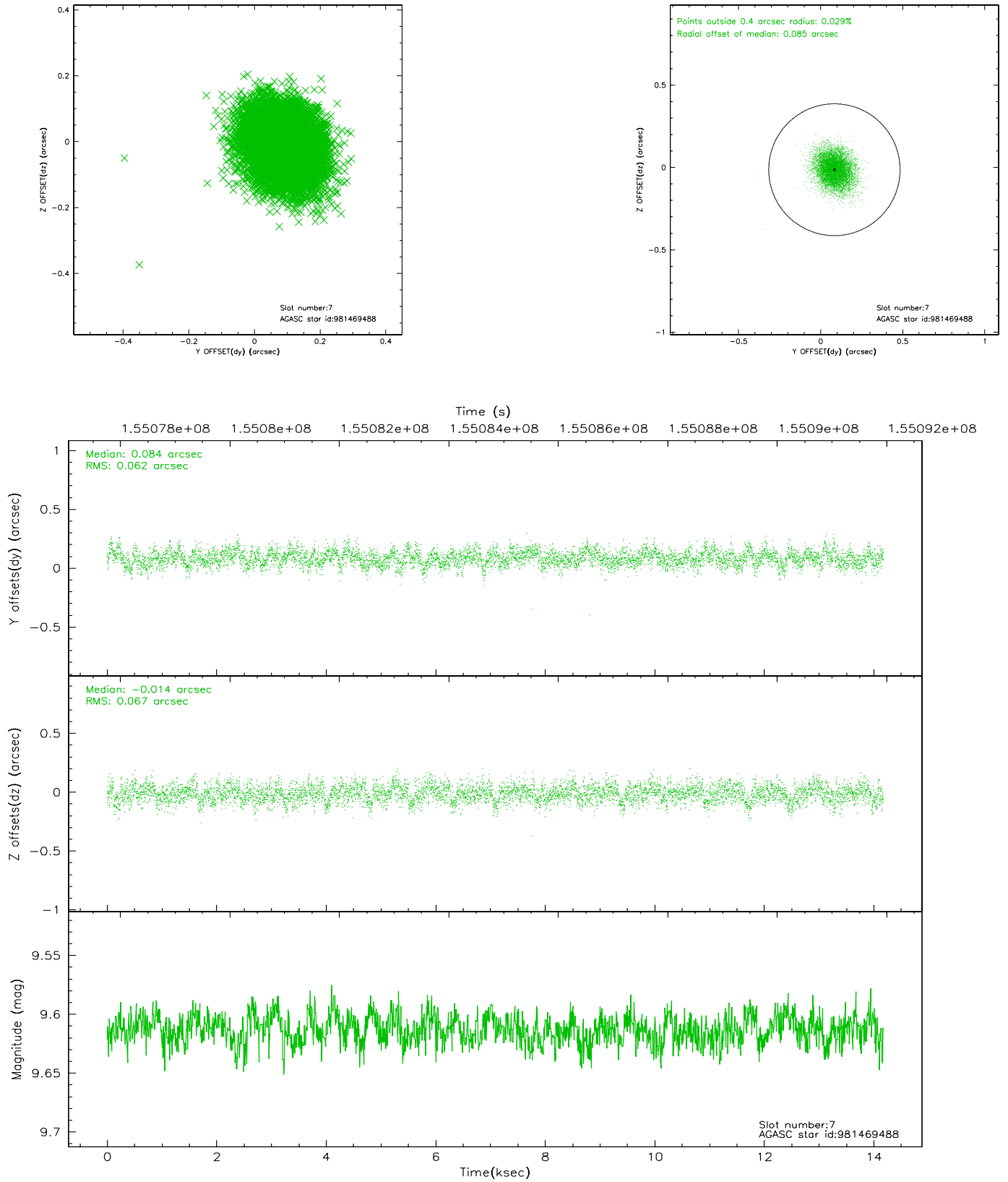
2.4.3 Slot 5



2.4.4 Slot 6

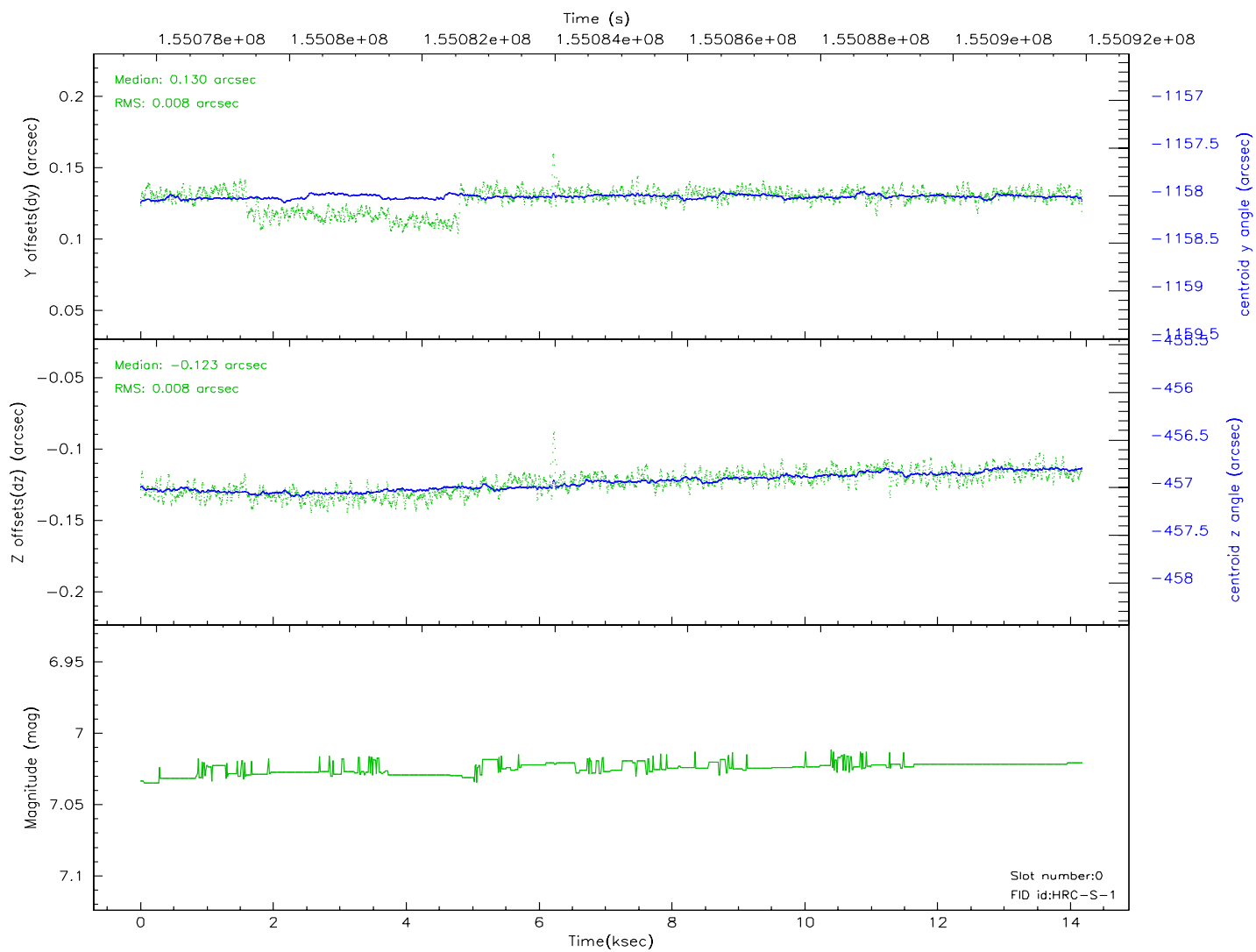
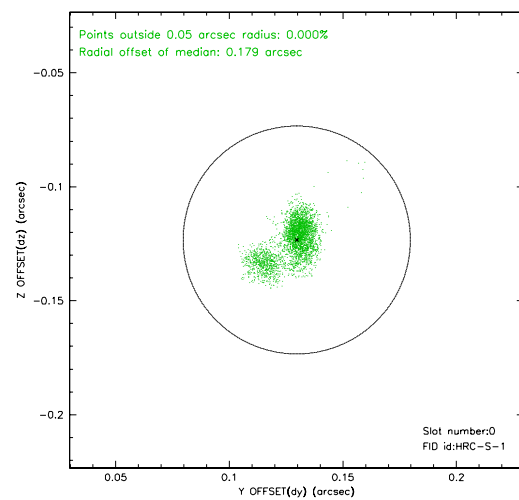
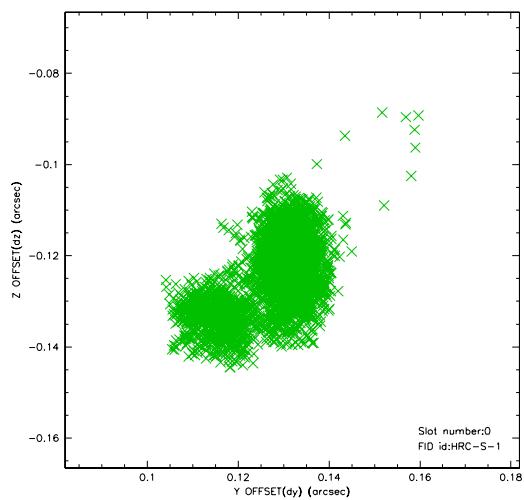


2.4.5 Slot 7

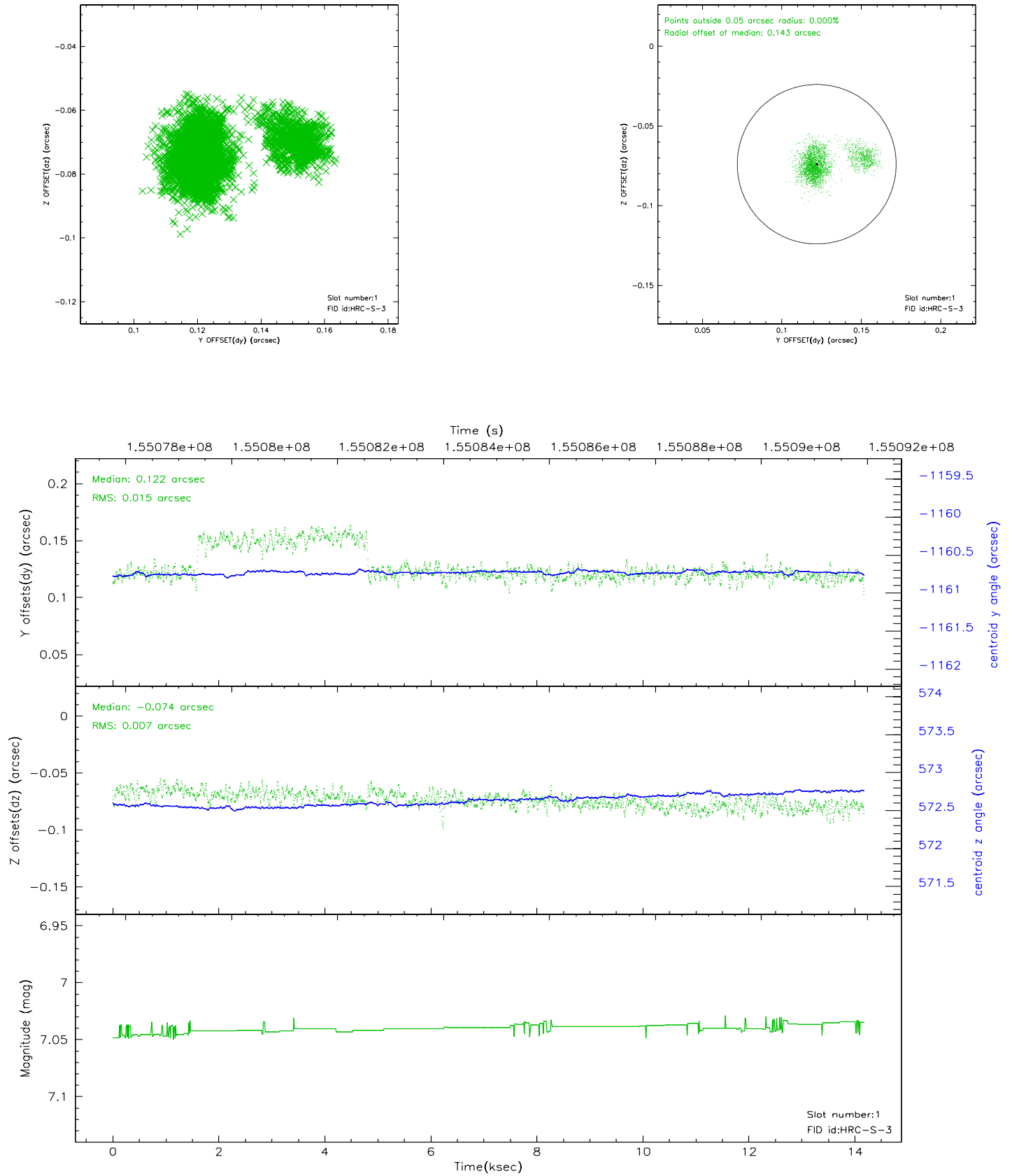


2.5 FID Slots

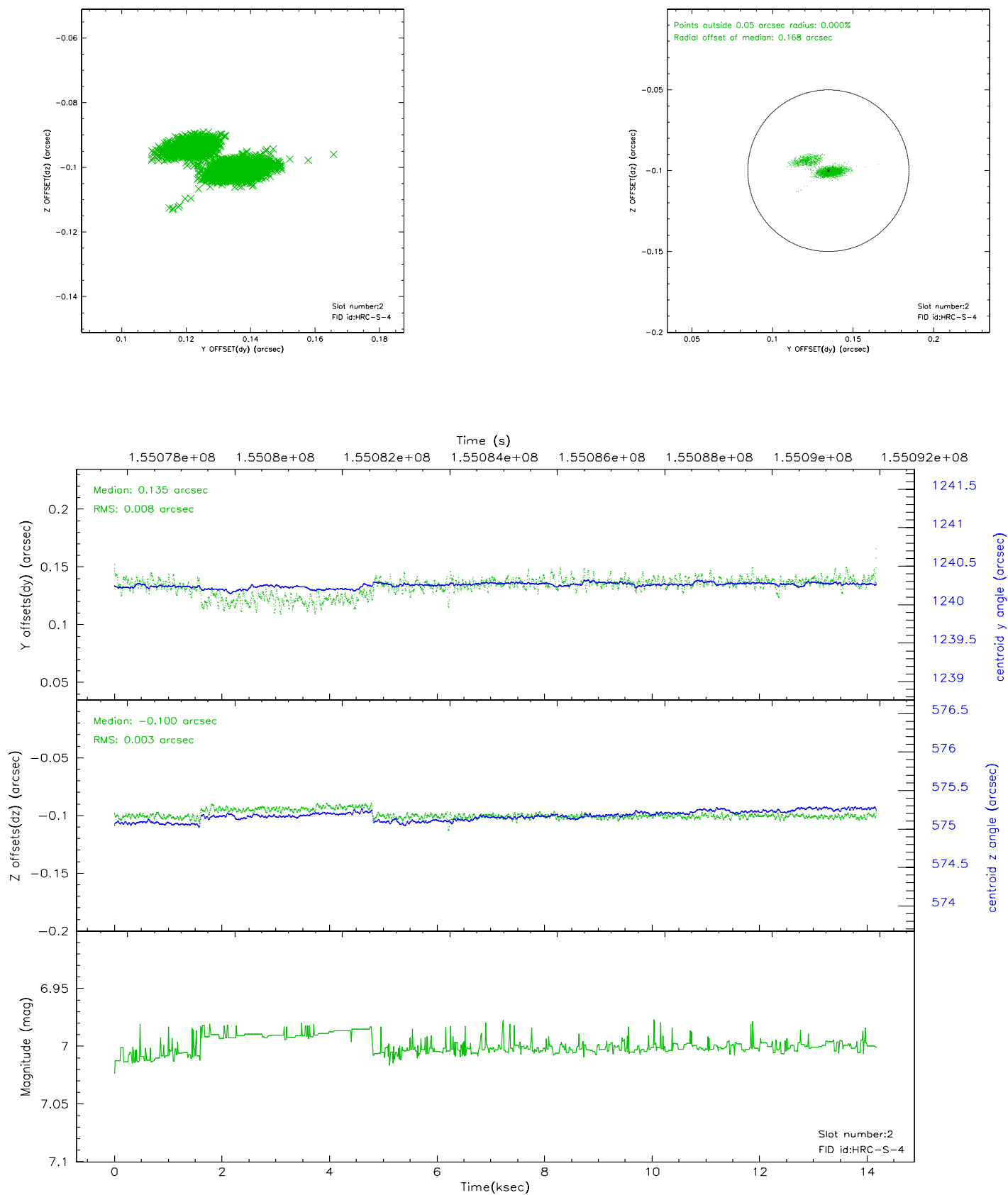
2.5.1 Slot 0



2.5.2 Slot 1

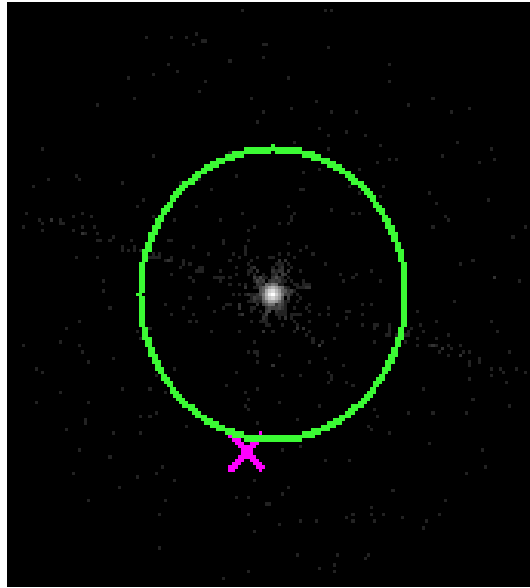


2.5.3 Slot 2



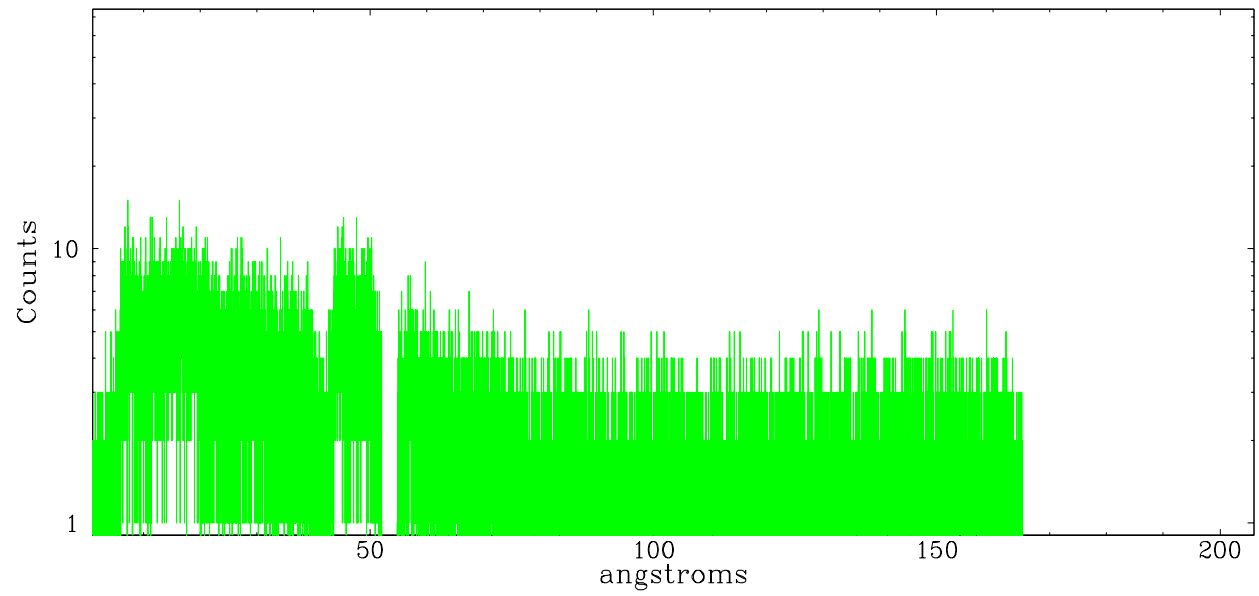
3 Gratings

3.1 LETG Arm

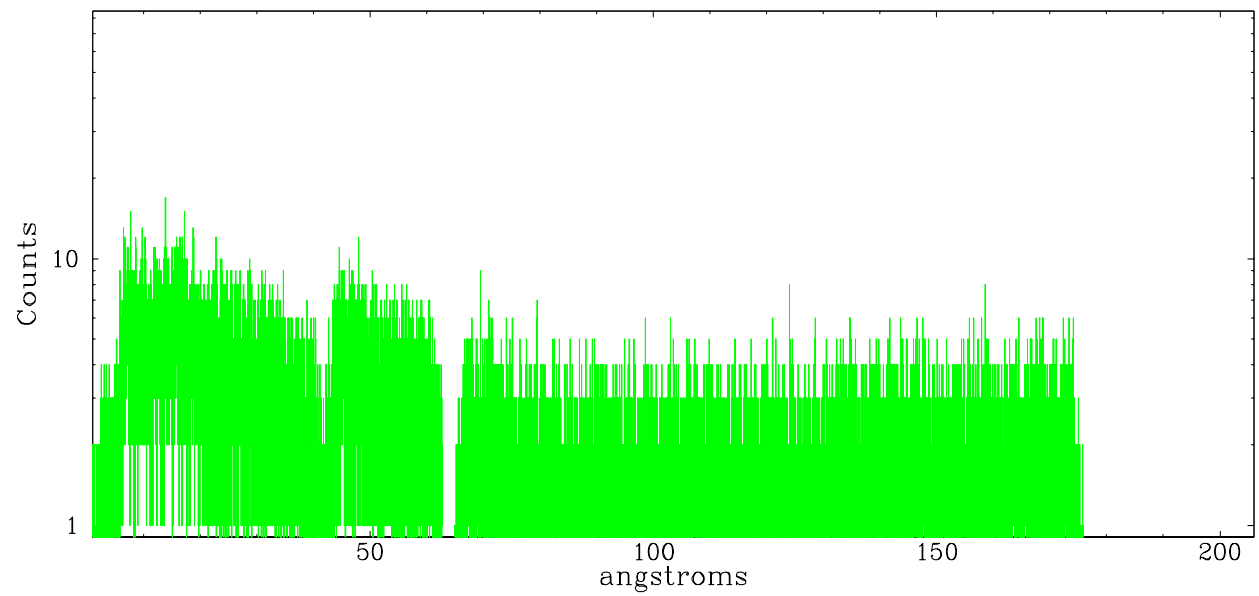


LETG Zero Order

leg order -1



leg order $+1$



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.10.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	13.854

A.2 Comments