

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3716 - L2 Version 4
Chandra X-Ray Center

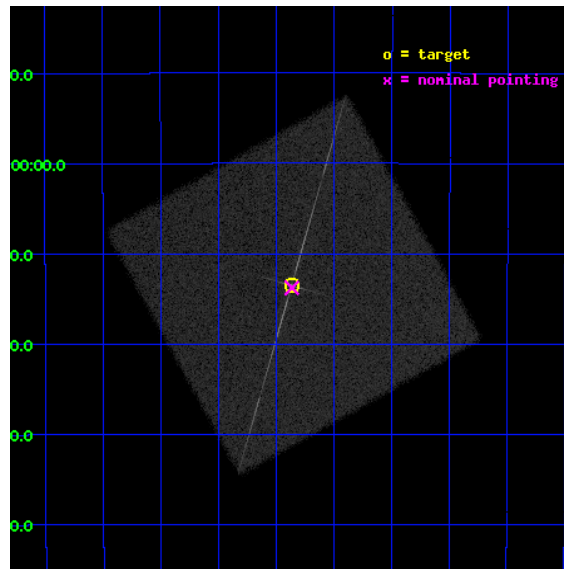
L2 Processing Date : Oct 18 2012

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1 Front

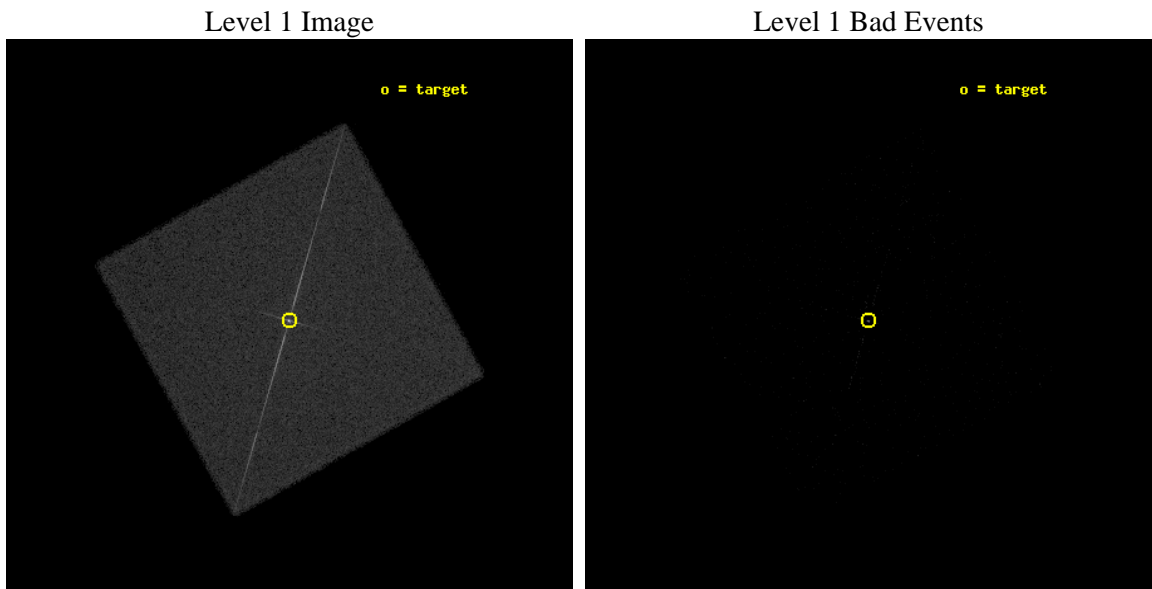
seq_num	290249	Sequence number
obs_id	3716	Observation id
title	AO4 CALIBRATION OBSERVATIONS TO MONITOR THE HRC LOW ENERGY QE	Prop
observer	Dr. CXC Calibration	Principal investigator
object	PKS2155-304	Source name
ra_targ	329.716667	Observer's specified target RA [deg]
dec_targ	-30.225556	Observer's specified target Dec [deg]
ra_nom	329.71610239734	Nominal RA [deg]
dec_nom	-30.229757342261	Nominal Dec [deg]
roll_nom	285.8824289653	Nominal Roll [deg]
revision	4	Processing version of data
ontime	7393.5815582573	[s]
livetime	7353.110161801	Ontime multiplied by DTCOR
l2events	222087	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	7500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	7393.5815582573	[s]
caldbver	4.5.2	 	l1events	338664	Number of level 1 events
date	2012-10-18T06:24:10	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

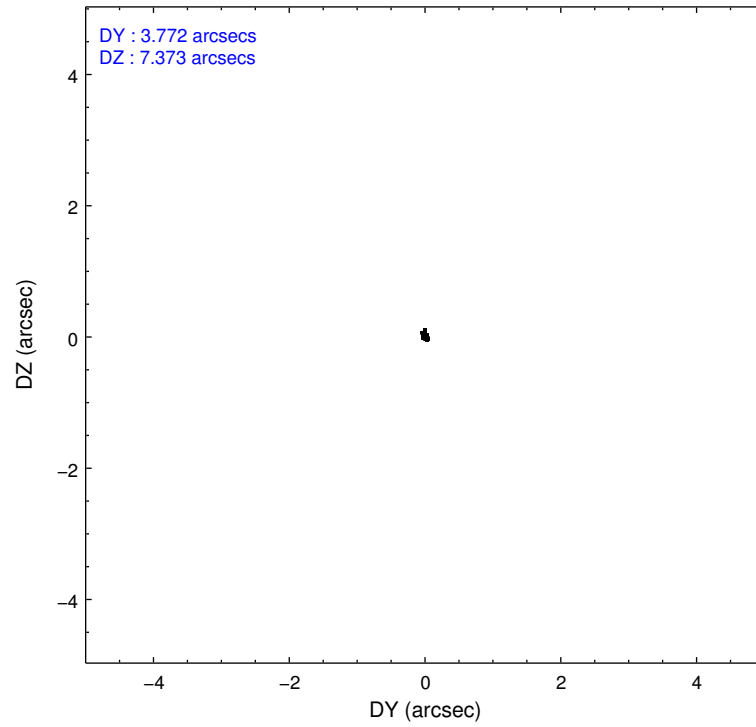
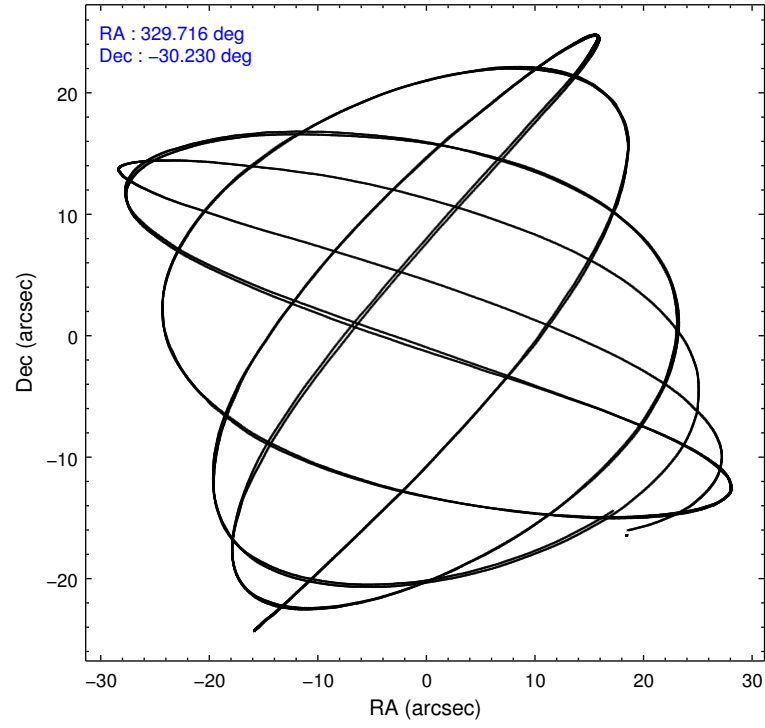
Level 1 Events

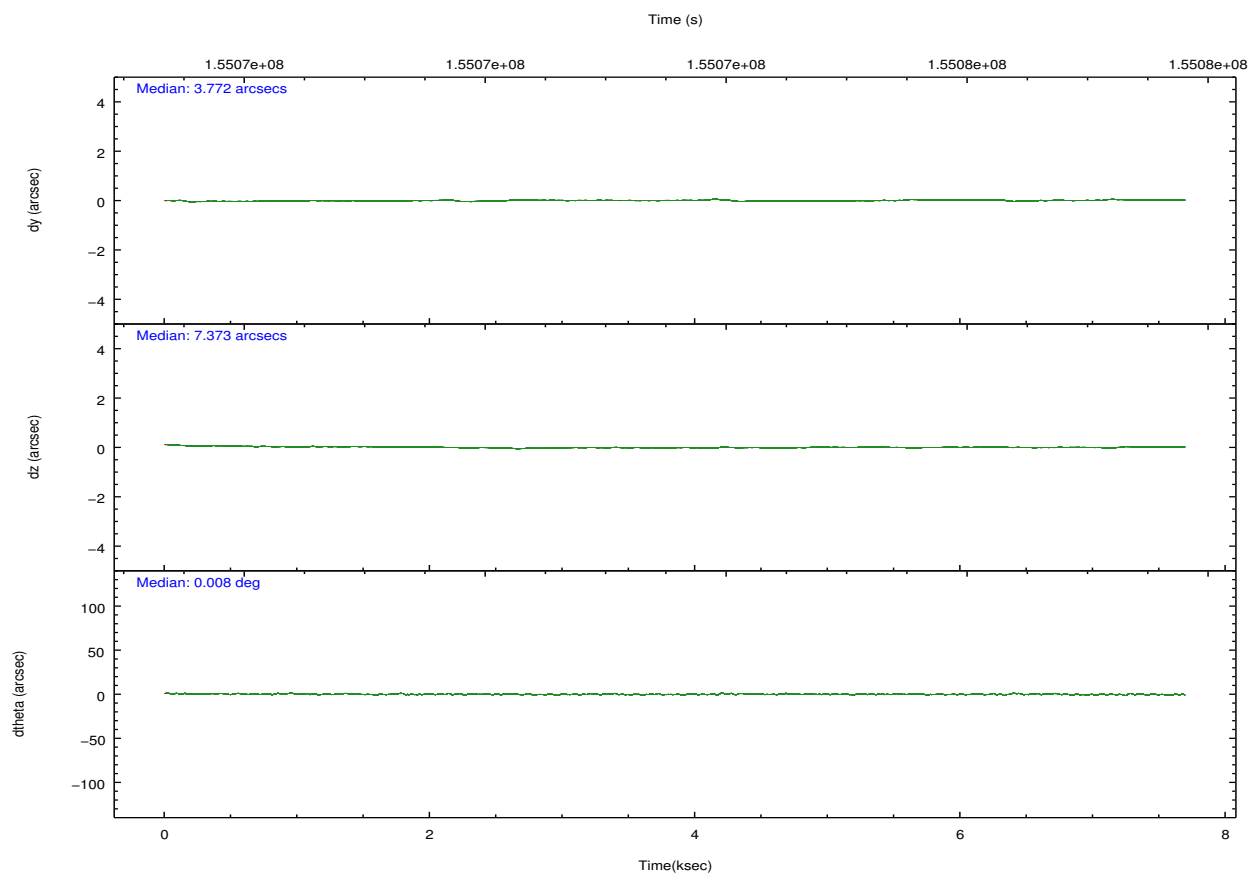
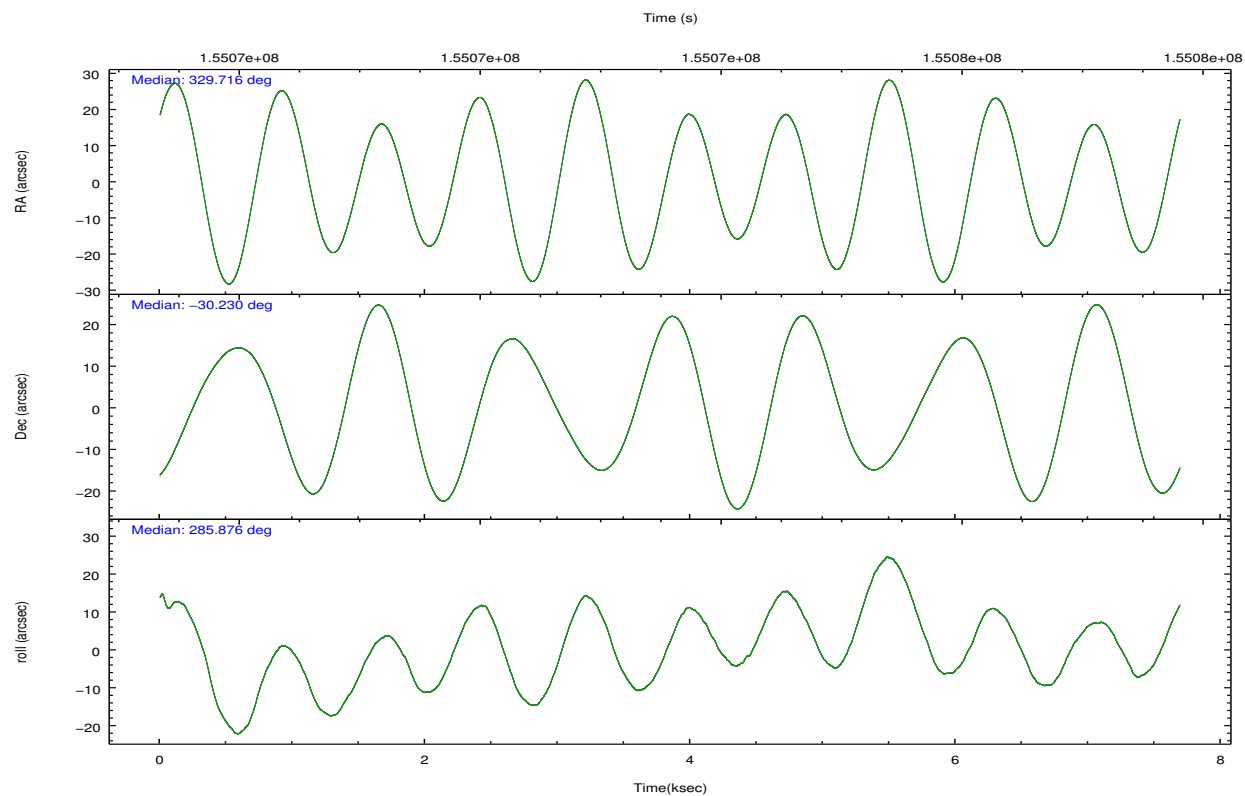
	segment 0
level 1 events	338664
rejected events	17523
rejected %	5%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	LETG	LETG	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	329.693082	329.7161023973371			
[deg] Pointing Dec	-30.211277	-30.2297573422611			
[deg] Pointing Roll	285.966333	285.8824289652988			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9854943052878			
[mm] SIM translation stage offset	0	-5.413686238853188e-06			
[s] Observation start time (MET)	155069926.184000	155069513.81722			
Observation start date	2002-11-30T18:57:42	2002-11-30T18:51:53			
[s] Observation end time (MET)	155077426.184000	155077565.19255			
Observation end date	2002-11-30T21:02:42	2002-11-30T21:06:05			

2.3 Aspect



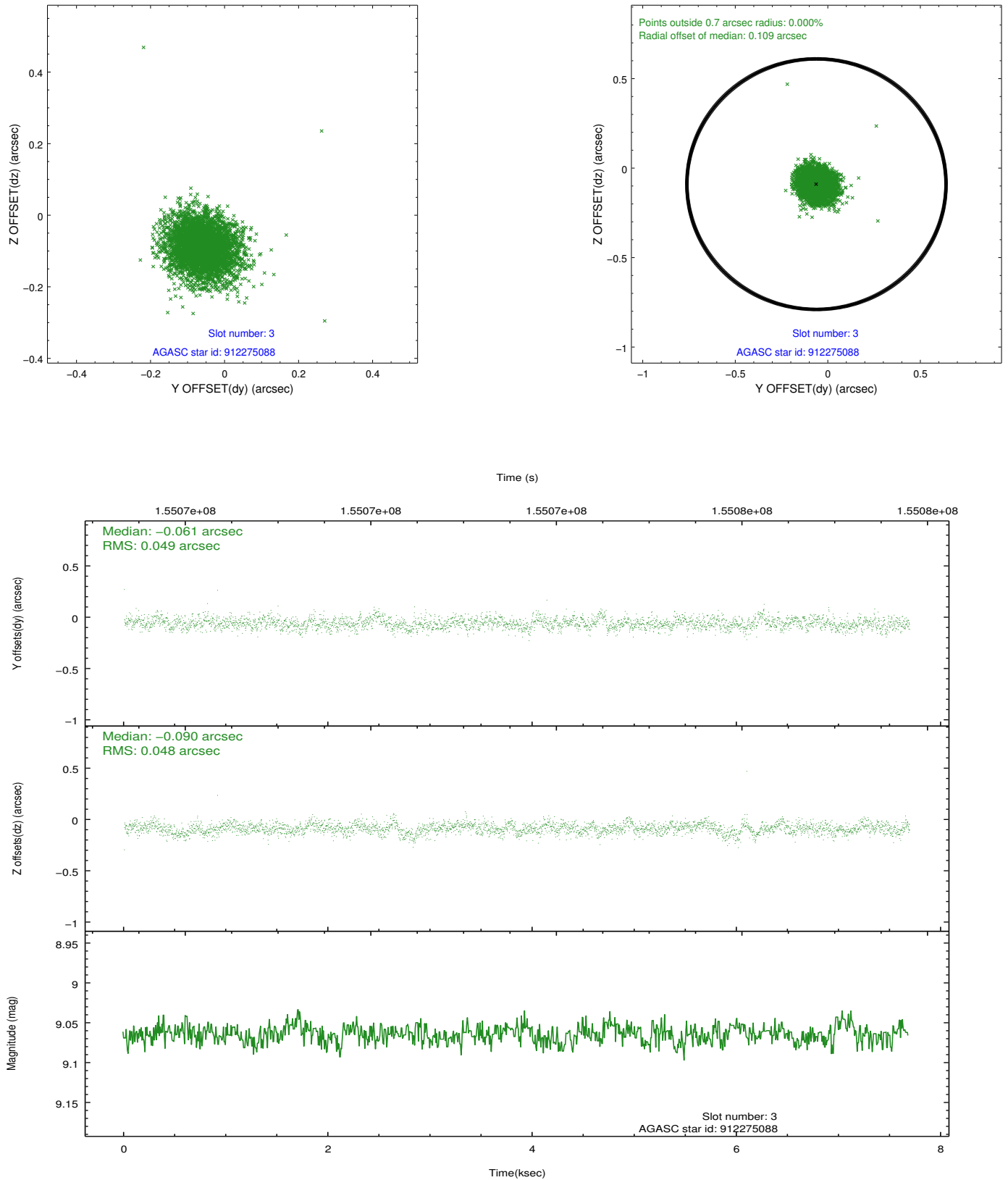


Slot Statistics

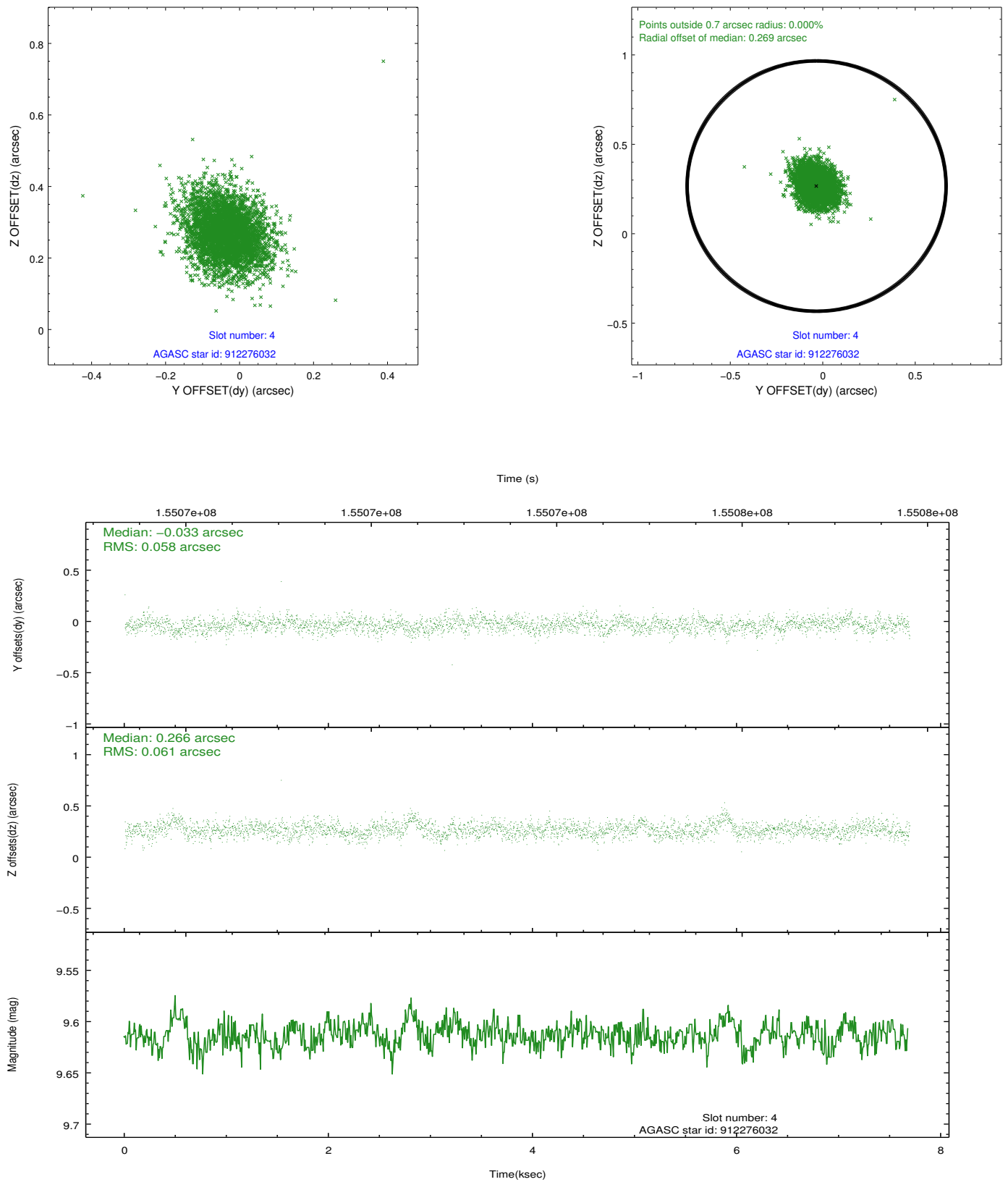
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.00	1876	0.015	0.023	0.007	0.011	0.000000	0.000000	-759.24	-1295.27
1	FID	HRC-I-2	7.03	1876	0.116	-0.100	0.006	0.010	0.000000	0.000000	853.09	-1297.64
2	FID	HRC-I-3	7.09	1875	-0.012	-0.013	0.006	0.011	0.000000	0.000000	-1187.32	1008.56
3	GUIDE	912275088	9.06	3749	-0.061	-0.090	0.072	0.119	329.619228	-29.738698	-1698.52	246.29
4	GUIDE	912276032	9.61	3748	-0.033	0.266	0.088	0.146	329.395967	-29.803466	-1665.41	-488.14
5	GUIDE	981468016	9.00	3745	-0.002	-0.154	0.113	0.178	328.842457	-30.034984	-1329.48	-2376.81
6	GUIDE	981468128	9.37	3751	0.017	-0.006	0.090	0.152	329.756350	-30.158334	-128.67	241.71
7	GUIDE	981469488	9.61	3750	0.079	-0.016	0.094	0.152	329.261199	-30.045155	-941.90	-1129.62

2.4 Star Slots

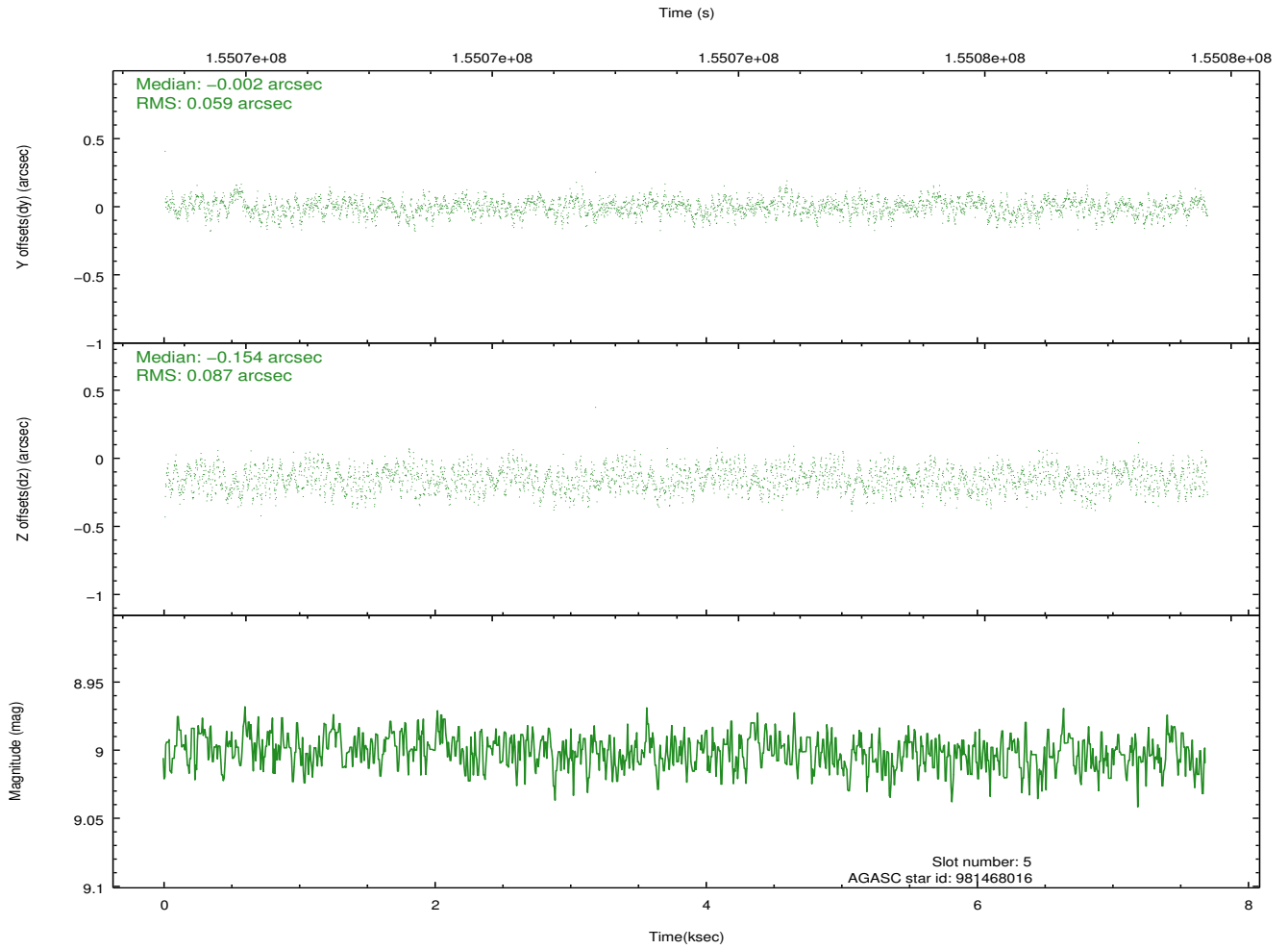
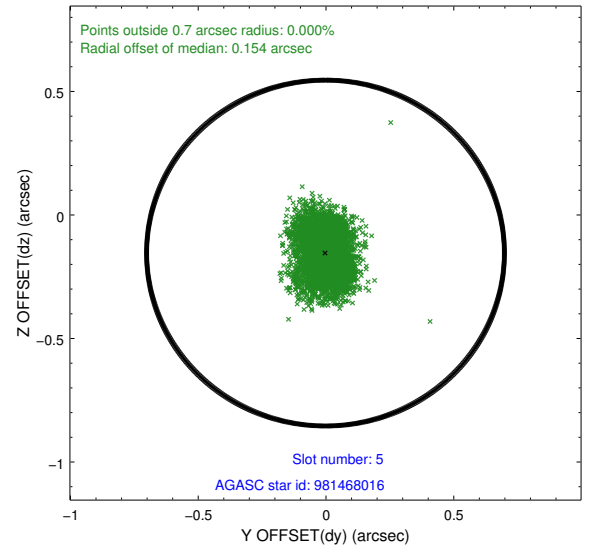
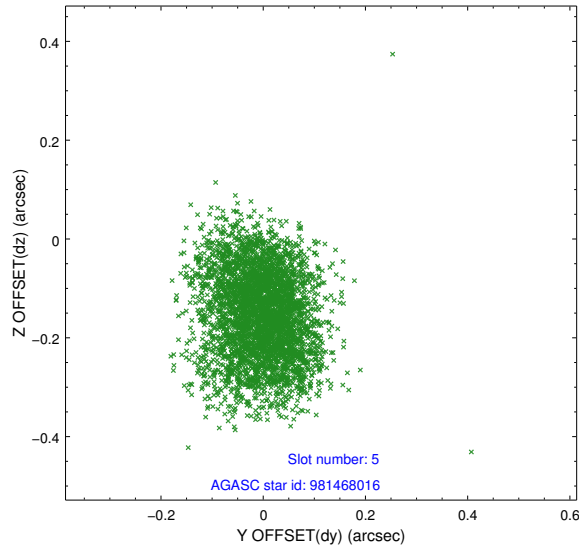
2.4.1 Slot 3



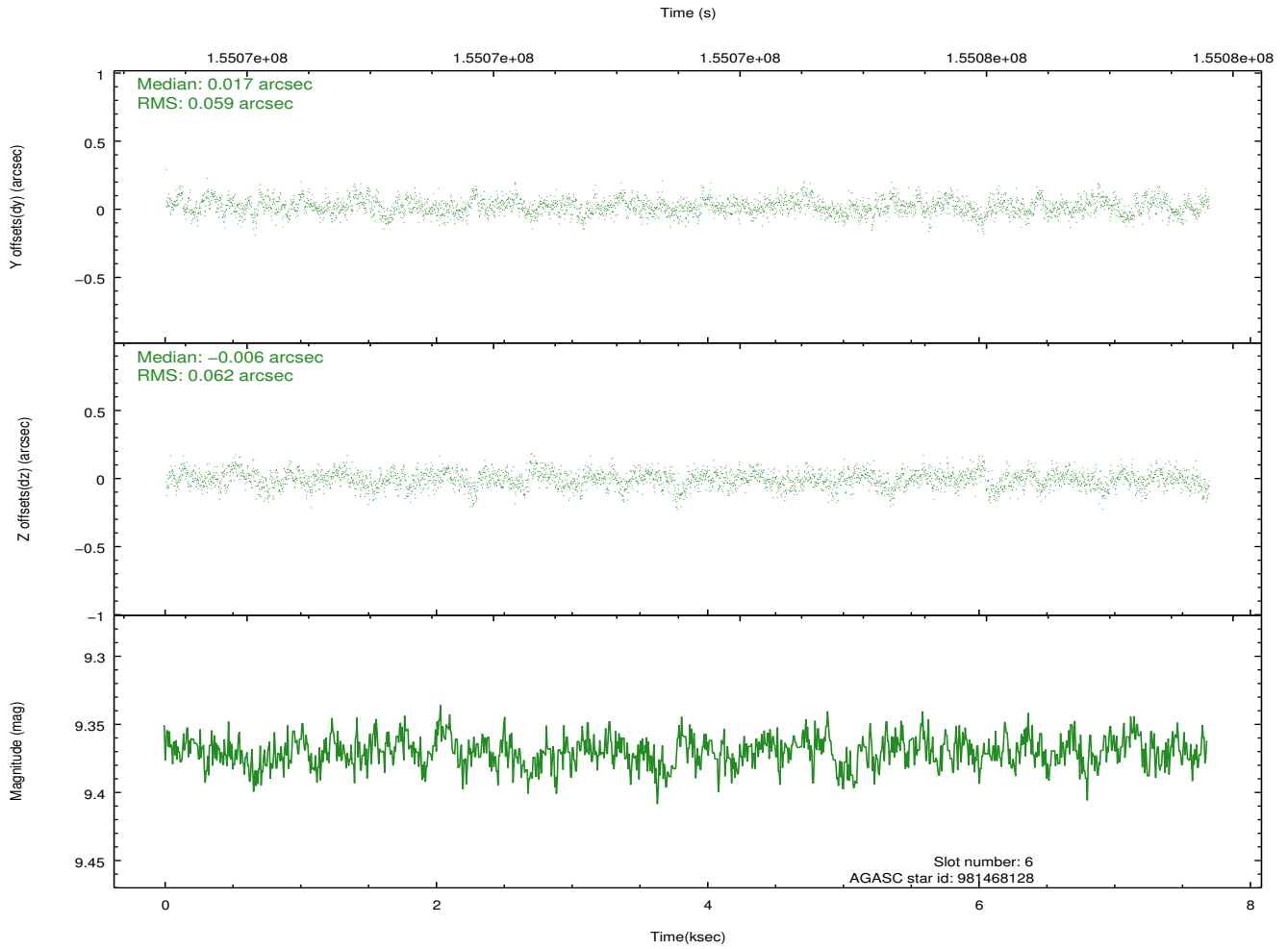
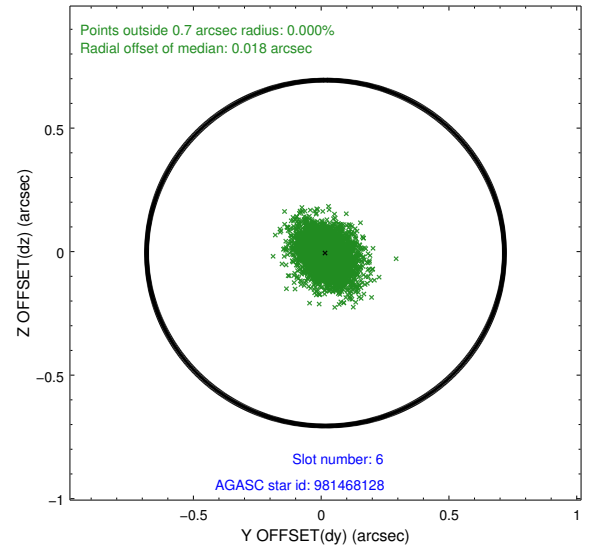
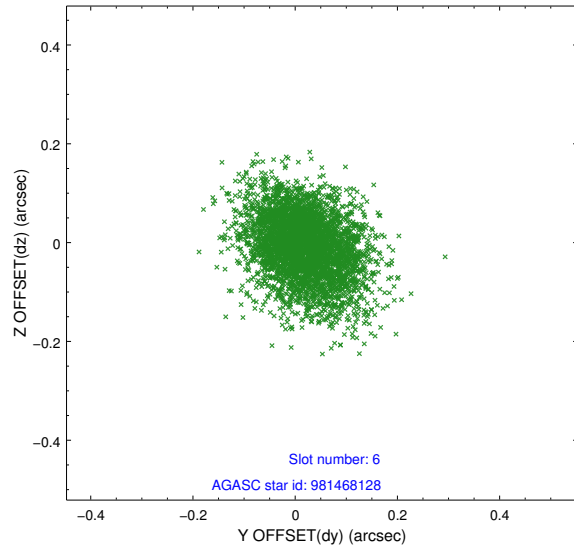
2.4.2 Slot 4



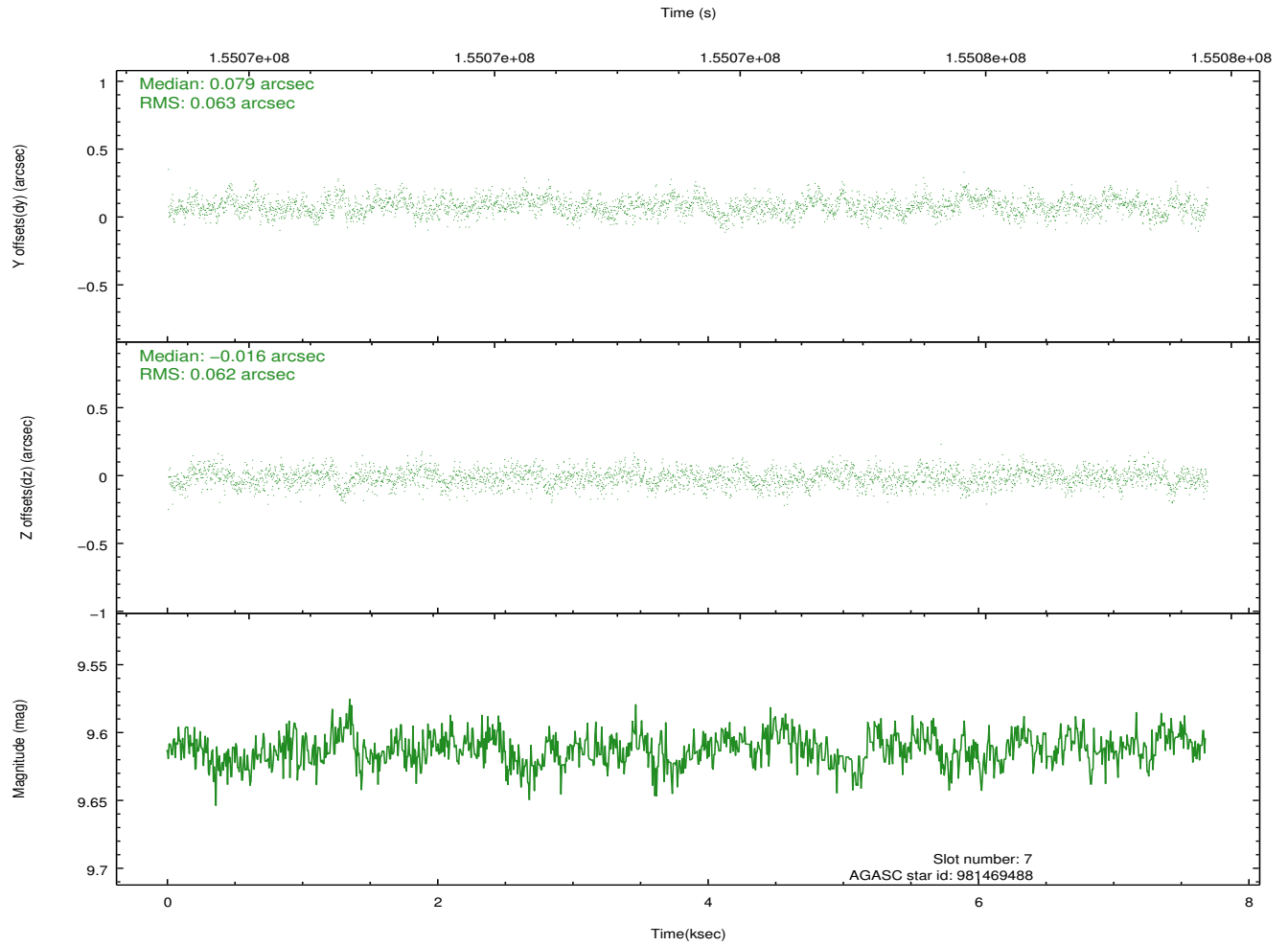
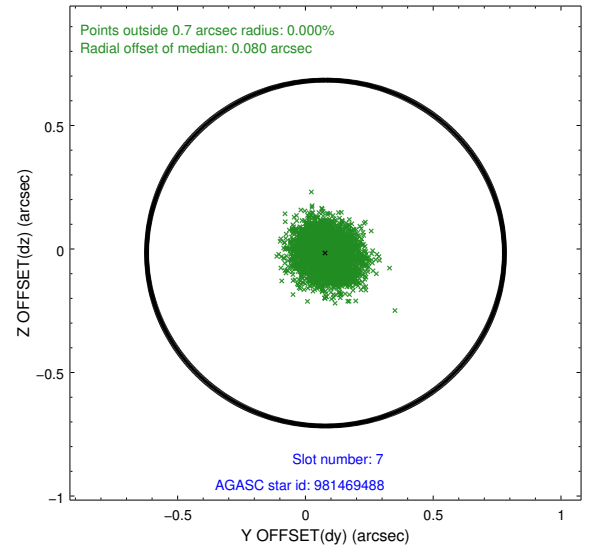
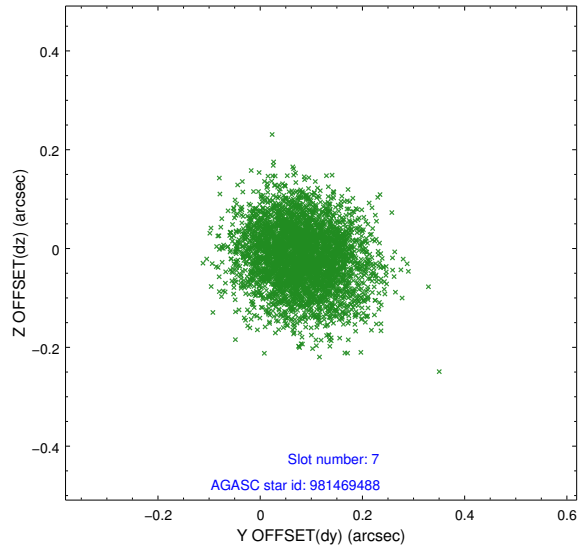
2.4.3 Slot 5



2.4.4 Slot 6

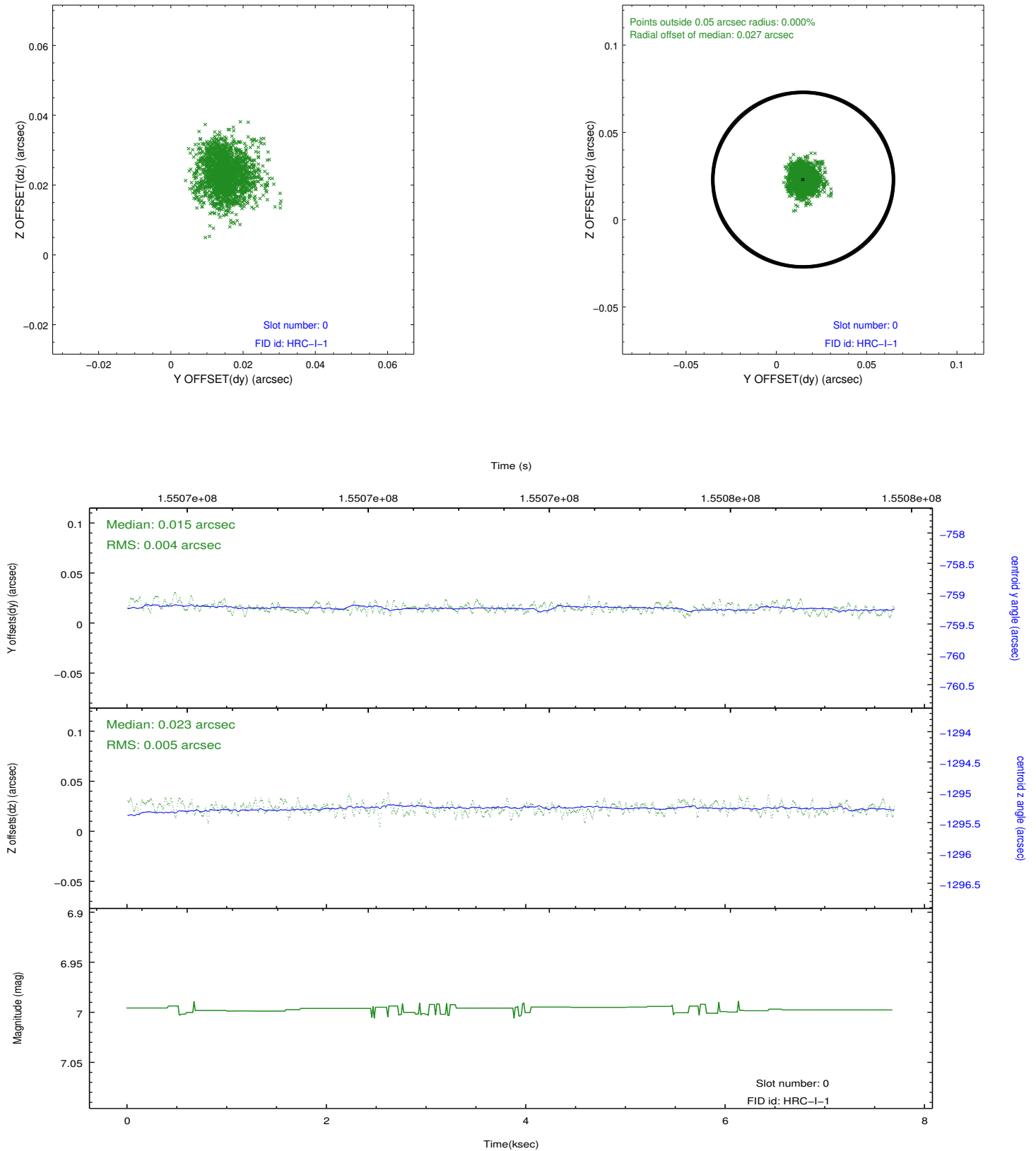


2.4.5 Slot 7

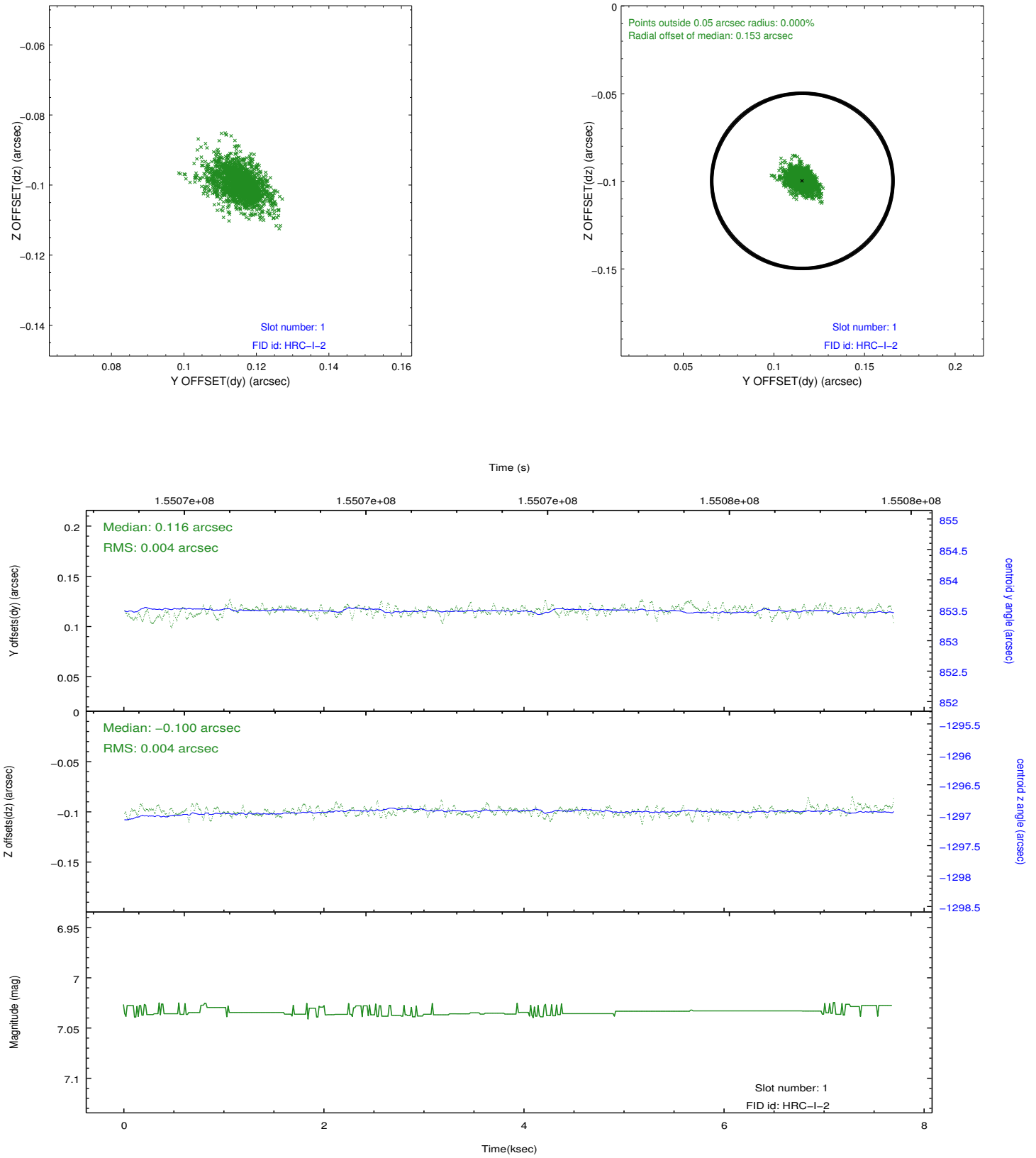


2.5 FID Slots

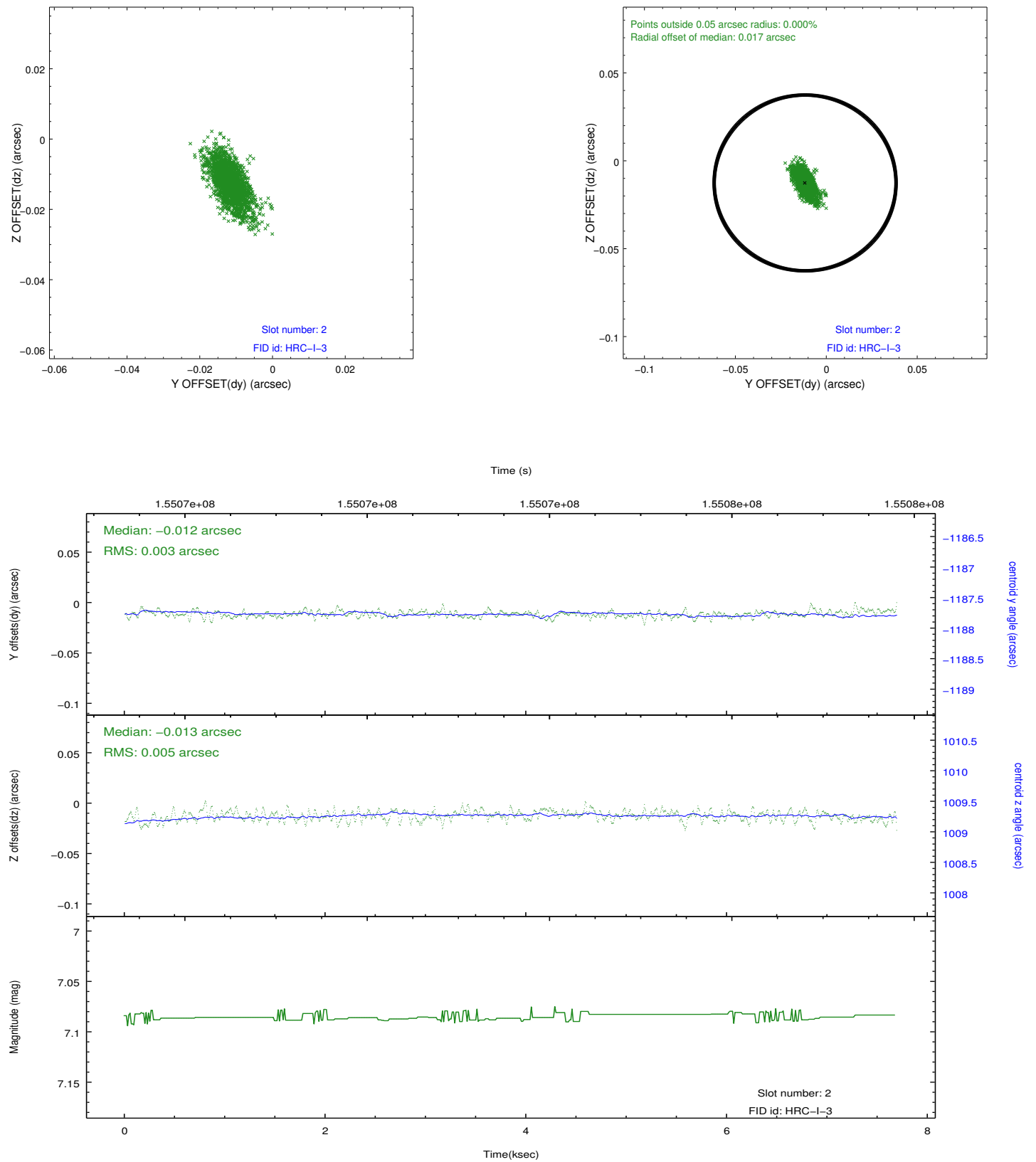
2.5.1 Slot 0



2.5.2 Slot 1

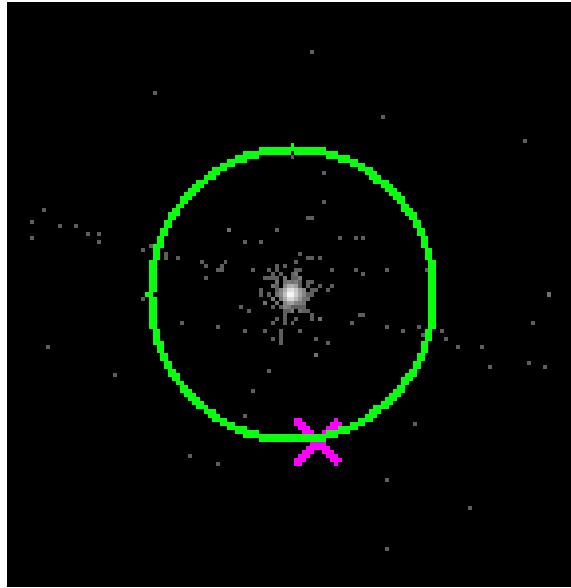


2.5.3 Slot 2

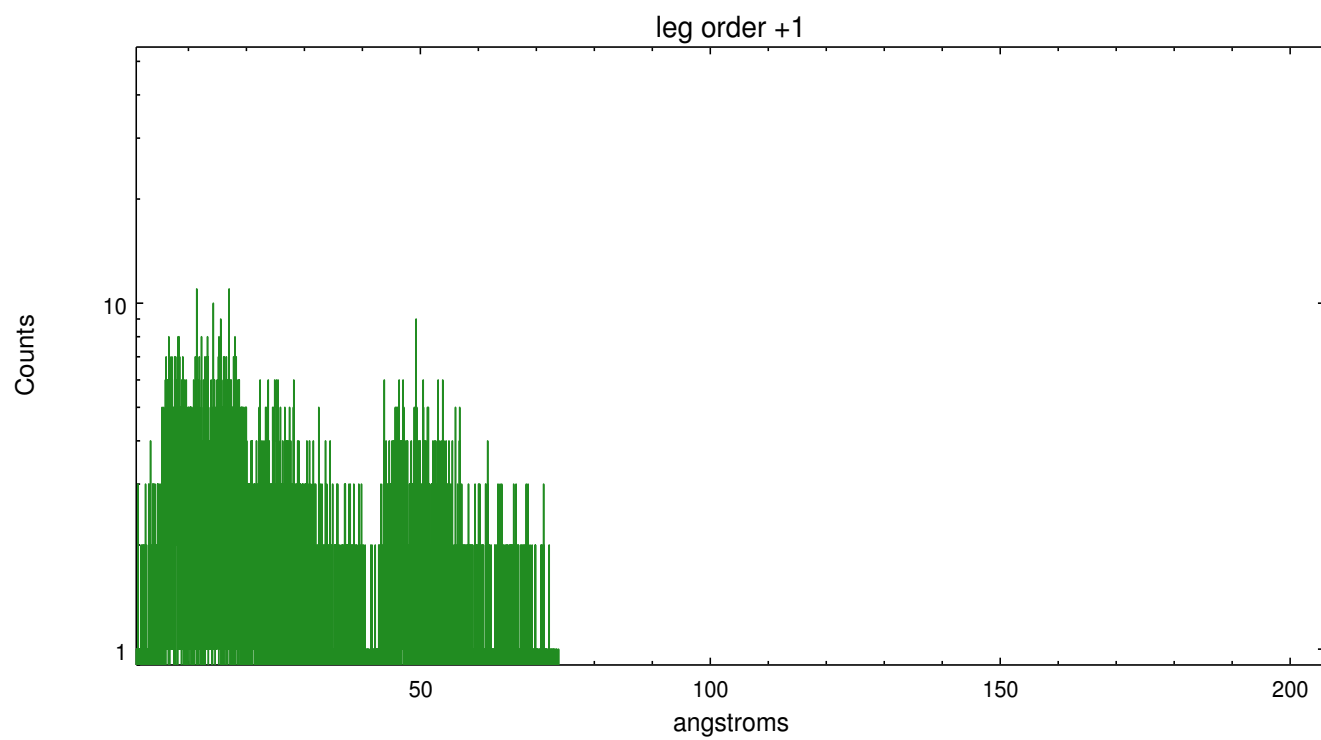
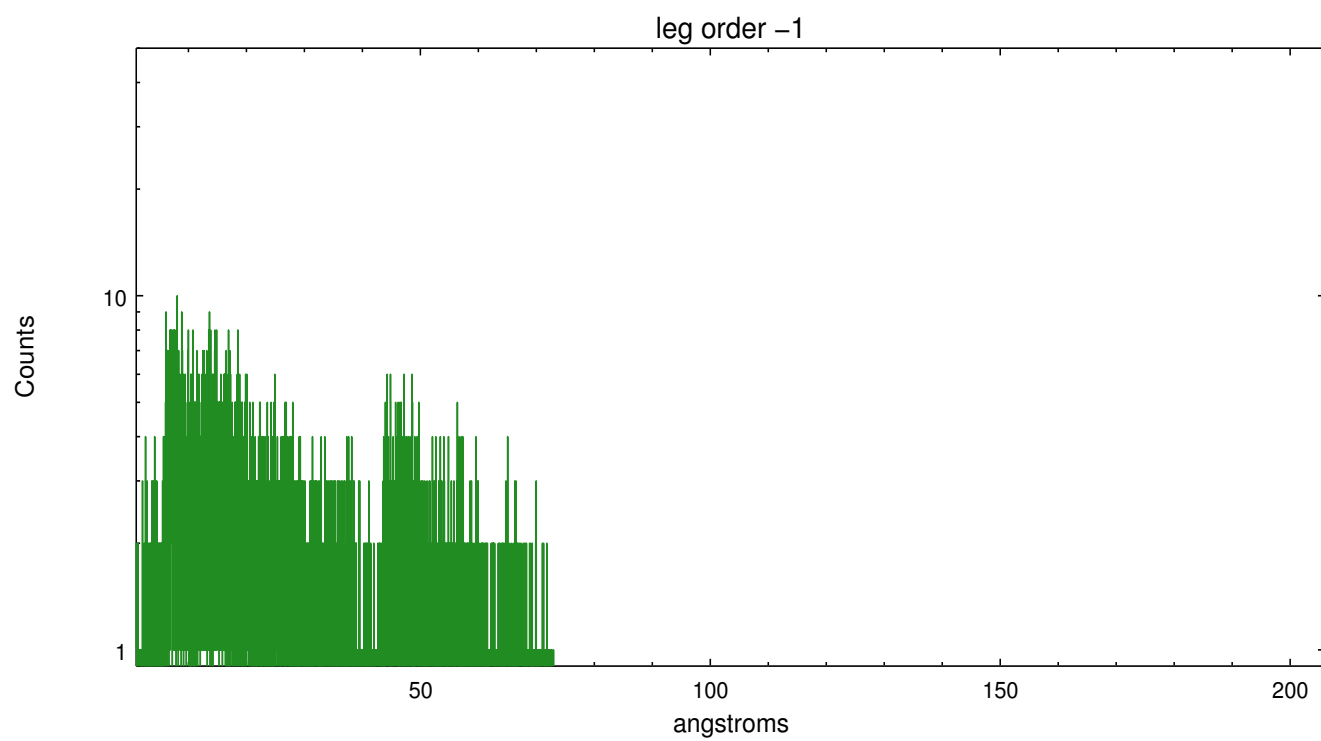


3 Gratings

3.1 LETG Arm



LETG Zero Order



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.10.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.393

A.2 Comments