

V&V Reference Report

L2 ASCDS Version : 7.6.8.1

Observation 2623 - L2 Version 3
Chandra X-Ray Center

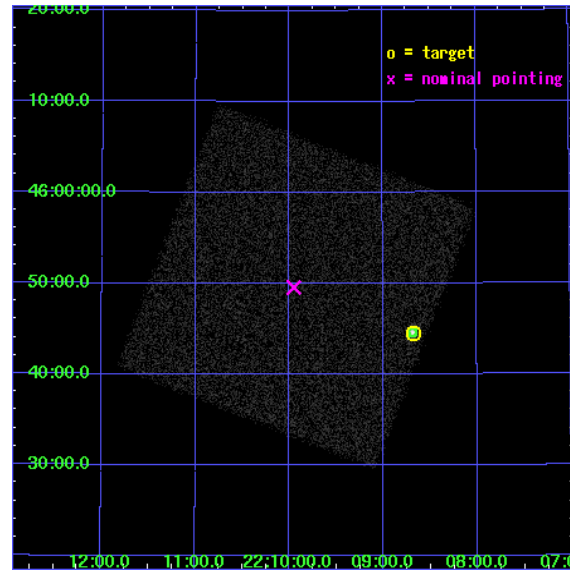
L2 Processing Date : Nov 21 2007

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1 Front

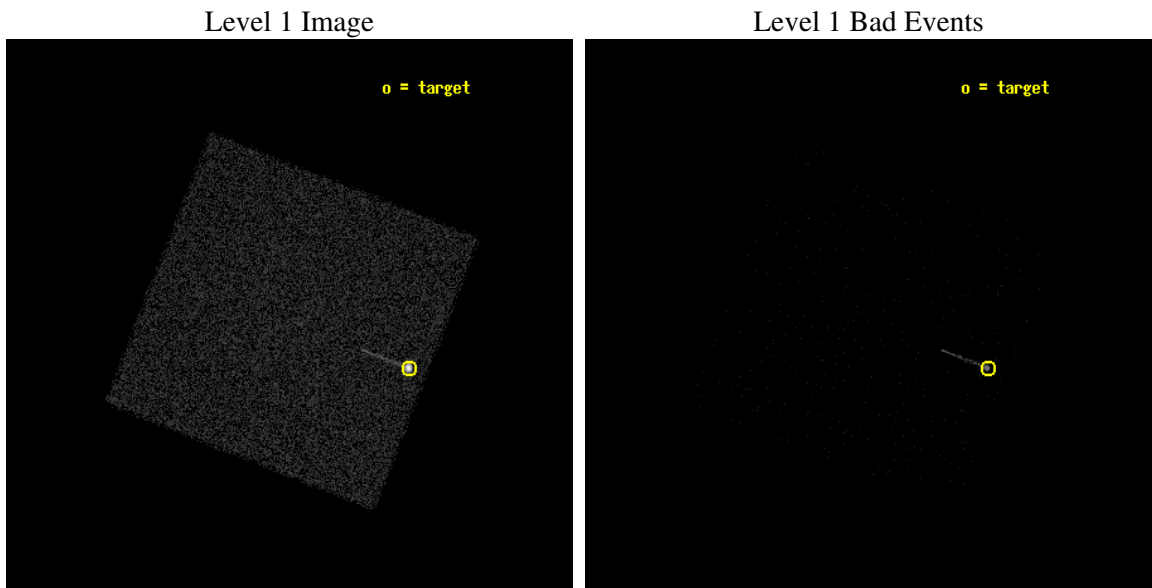
seq_num	290179
obs_id	2623
title	AO3 HRC-I CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.48775079742
dec_nom	45.826103680187
roll_nom	336.38112212989
revision	3
ontime	1194.3812981099
livetime	1187.8141870711
l2events	35909



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1
ascdsver	7.6.11.2
caldbver	3.4.1
date	2007-11-21T19:12:02
revision	3

sched_exp_time	1000.000000
ontime	1194.3812981099
l1events	66120

2.1.3 Events

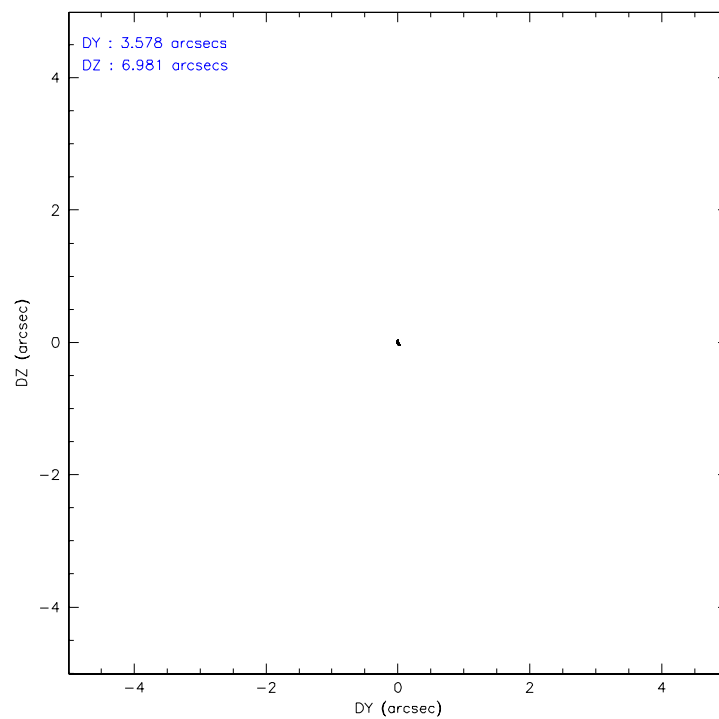
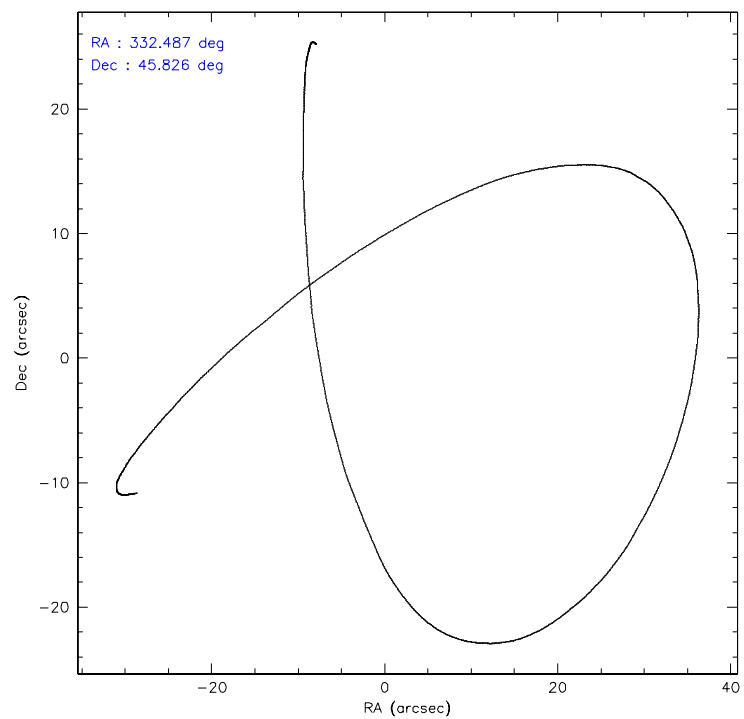
Level 1 Events

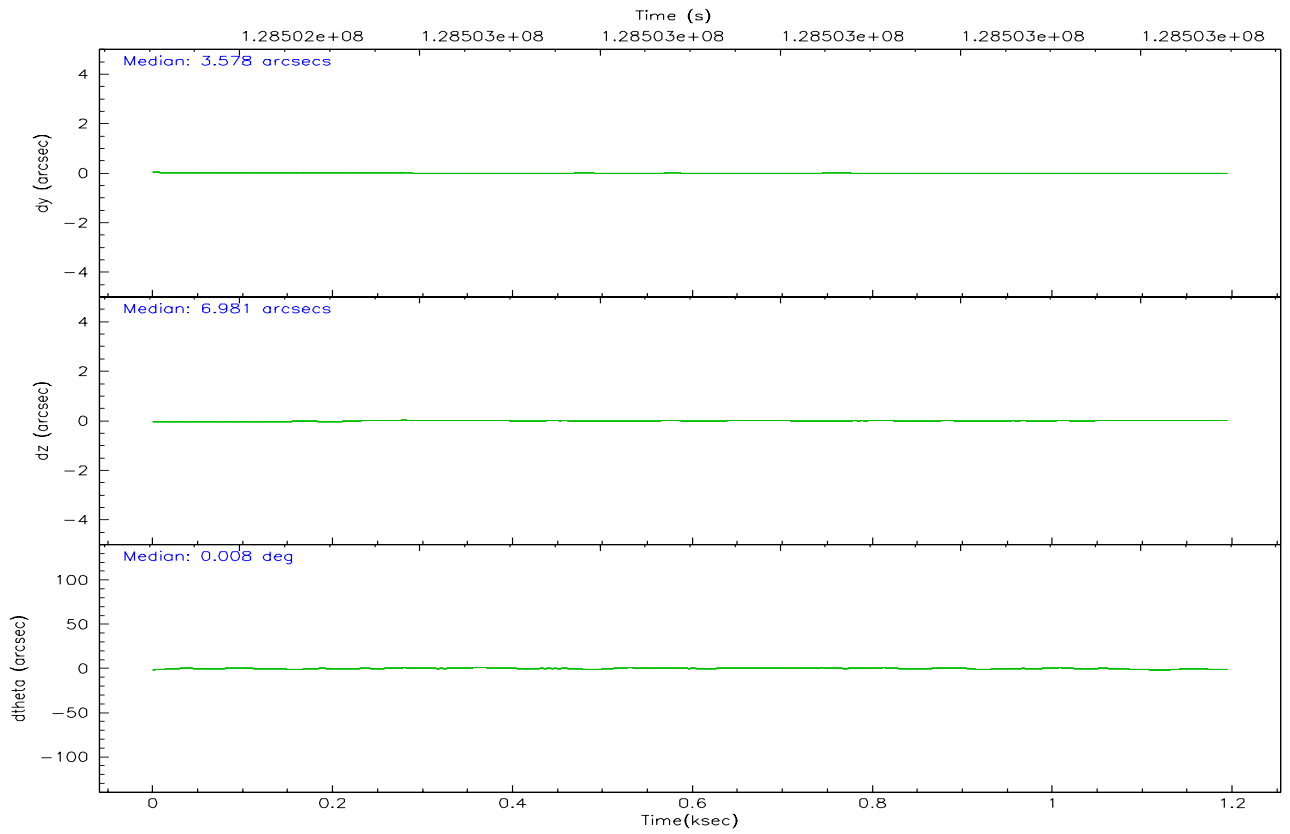
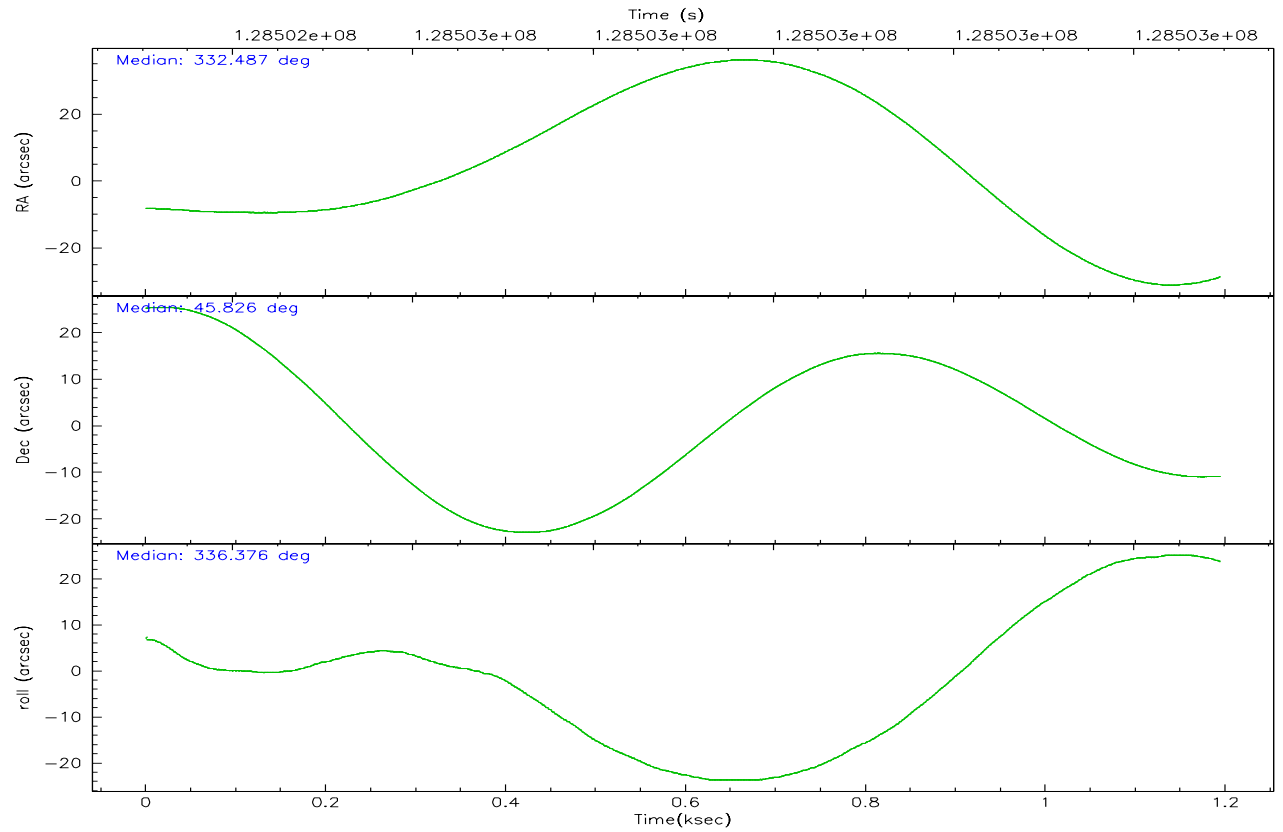
	segment 0
level 1 events	66120
rejected events	13778
rejected %	20%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
Pointing RA	332.449872	332.4877507974219			
Pointing Dec	45.822391	45.82610368018727			
Pointing Roll	336.503809	336.3811221298897			
SIM focus pos (mm)	-1.040293	-1.038866356238299			
SIM defocus (mm)	0	0.001426264420575141			
SIM translation stage pos (mm)	126.985494	126.9854943052878			
SIM translation stage offset (mm)	0	-5.413686238853188e-06			
Observation start time	128502499.184000	128502123.62823			
Observation start date	2002-01-27T07:07:15	2002-01-27T07:02:03			
Observation end time	128503499.184000	128503633.45329			
Observation end date	2002-01-27T07:23:55	2002-01-27T07:27:13			

2.3 Aspect



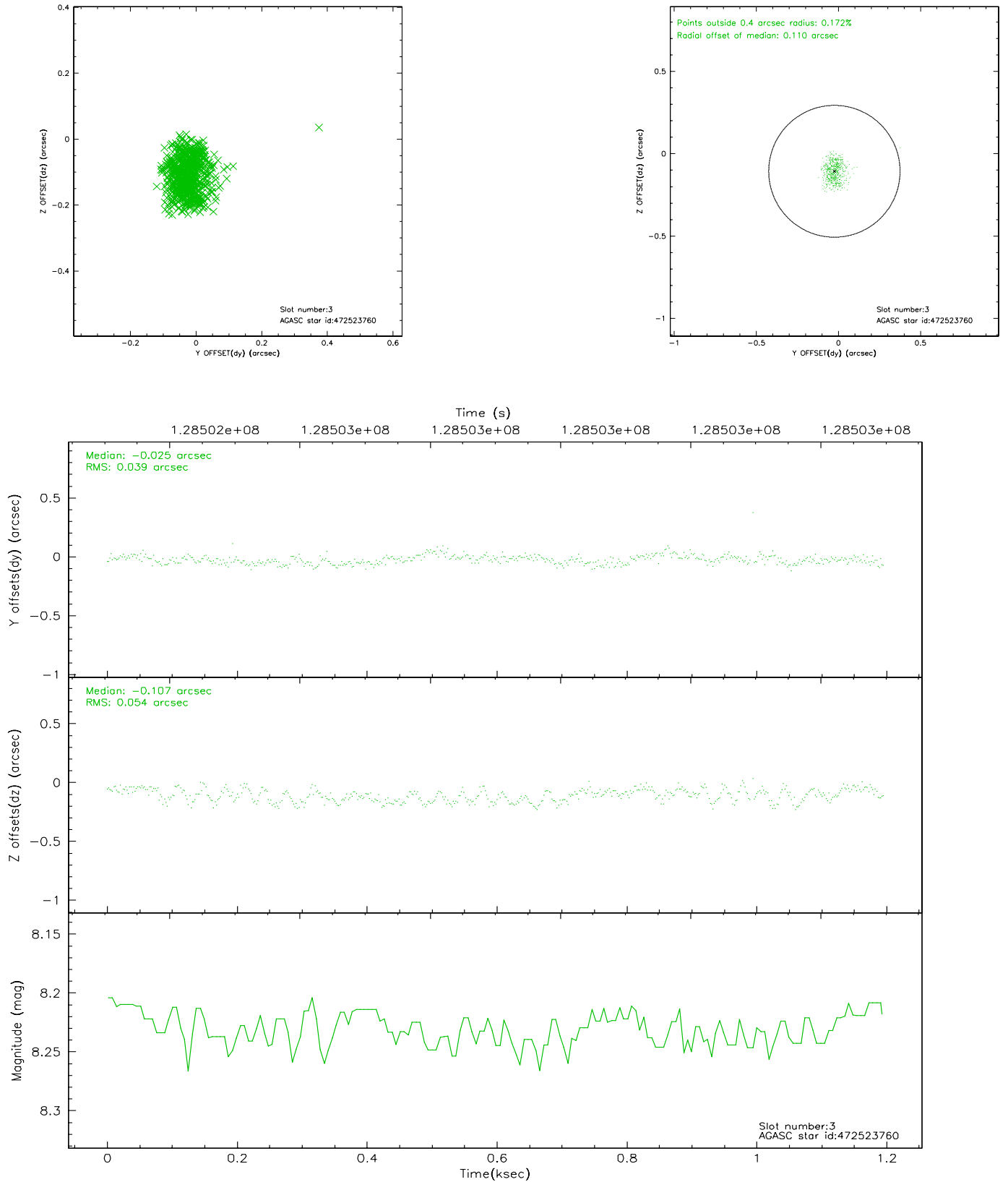


Slot Statistics

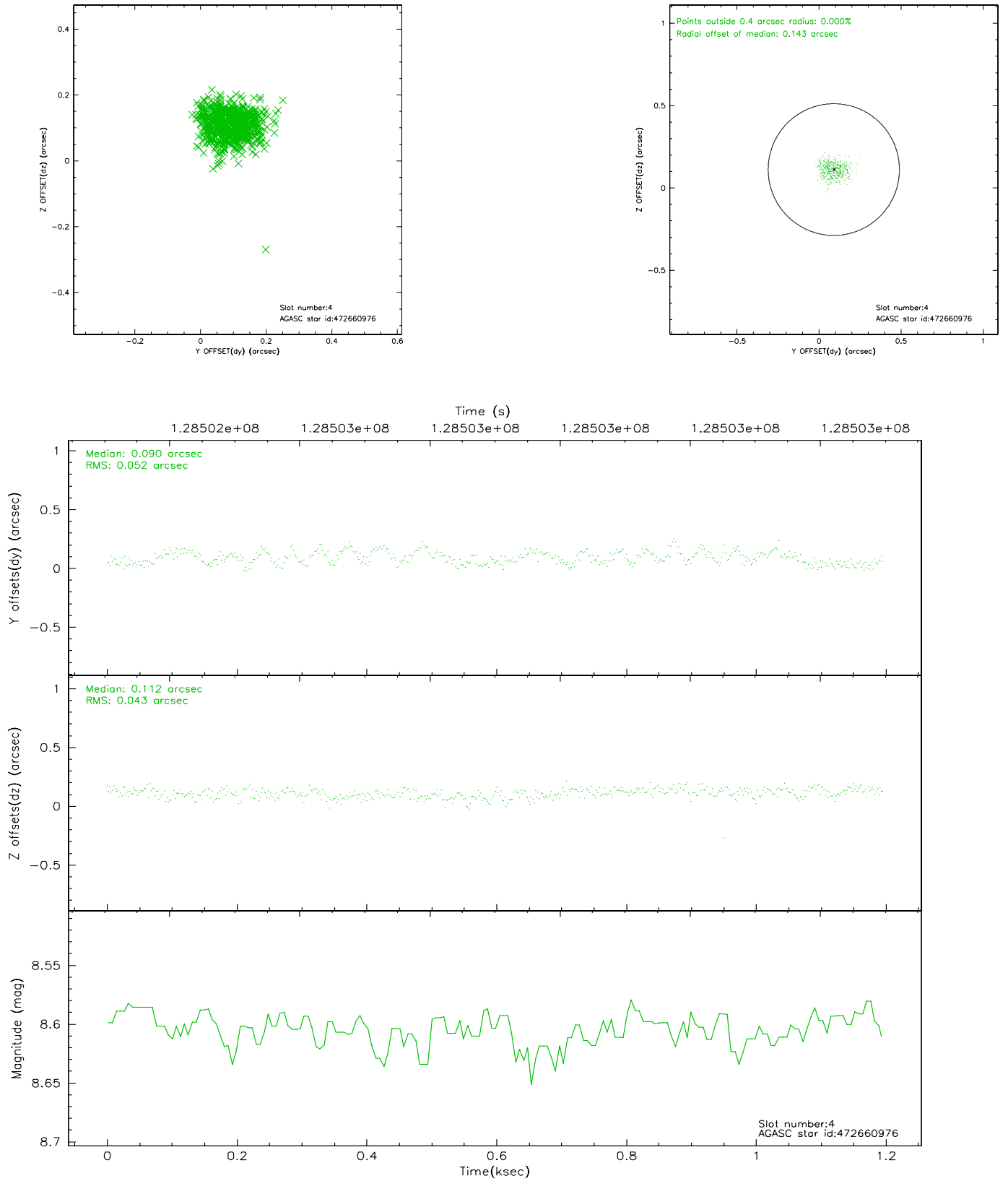
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	292	0.028	0.030	0.008	0.027	0.000000	0.000000	-759.02	-1294.85
1	FID	HRC-I-2	7.00	292	0.079	-0.074	0.007	0.018	0.000000	0.000000	851.06	-1300.94
2	FID	HRC-I-3	7.05	292	0.013	-0.046	0.007	0.016	0.000000	0.000000	-1184.64	1005.18
3	GUIDE	472523760	8.23	583	-0.025	-0.107	0.072	0.108	331.645363	45.403260	-1265.30	-2185.75
4	GUIDE	472660976	8.60	584	0.090	0.112	0.071	0.110	333.433329	46.196713	1703.87	2223.00
5	GUIDE	472665256	9.01	584	-0.104	0.026	0.081	0.126	332.808125	46.195041	287.70	1591.59
6	GUIDE	472659832	9.46	584	0.126	0.058	0.115	0.220	332.780399	46.098139	362.69	1243.38
7	GUIDE	472523568	9.34	580	-0.086	-0.071	0.104	0.170	331.465966	45.371411	-1638.17	-2465.53

2.4 Star Slots

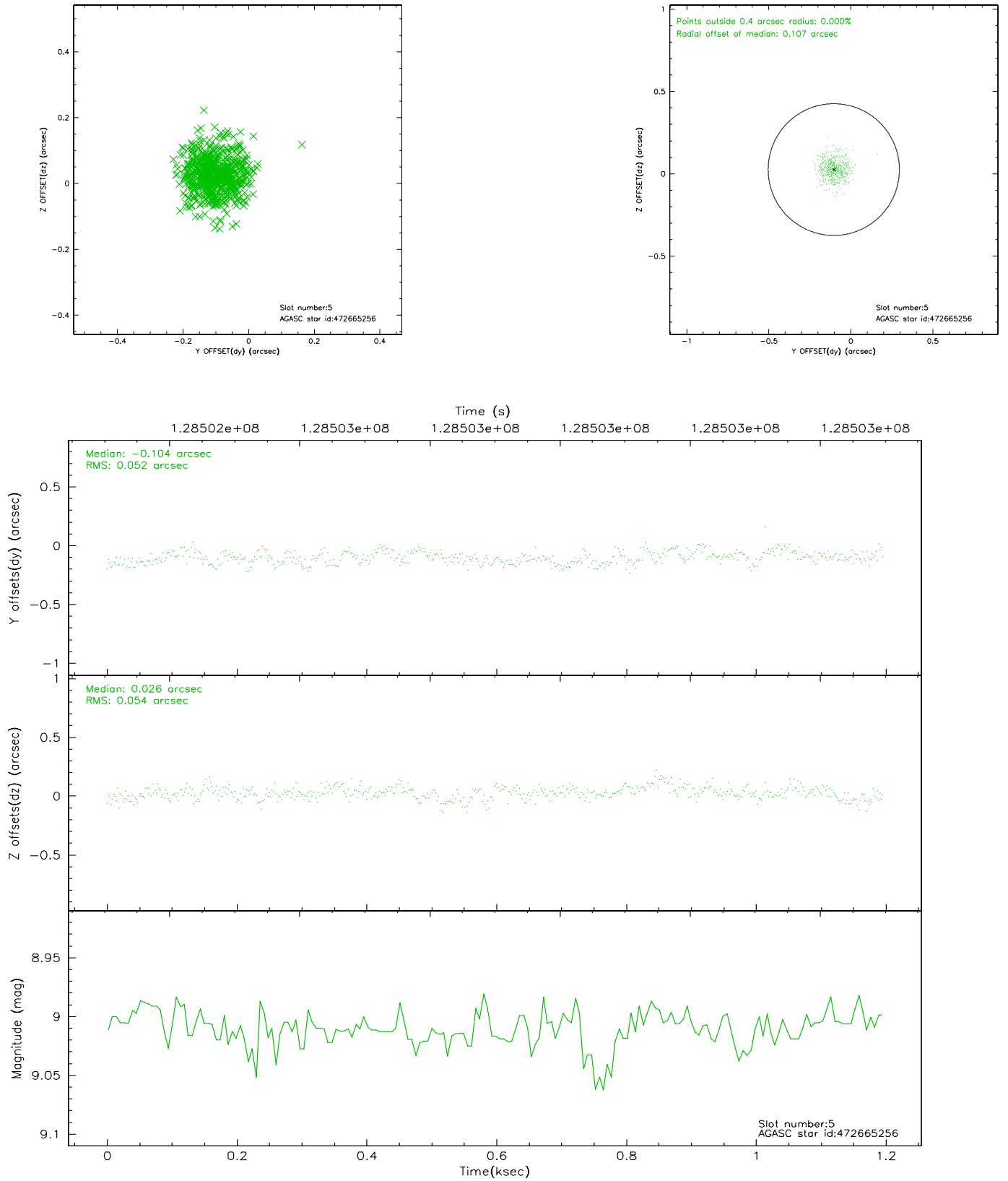
2.4.1 Slot 3



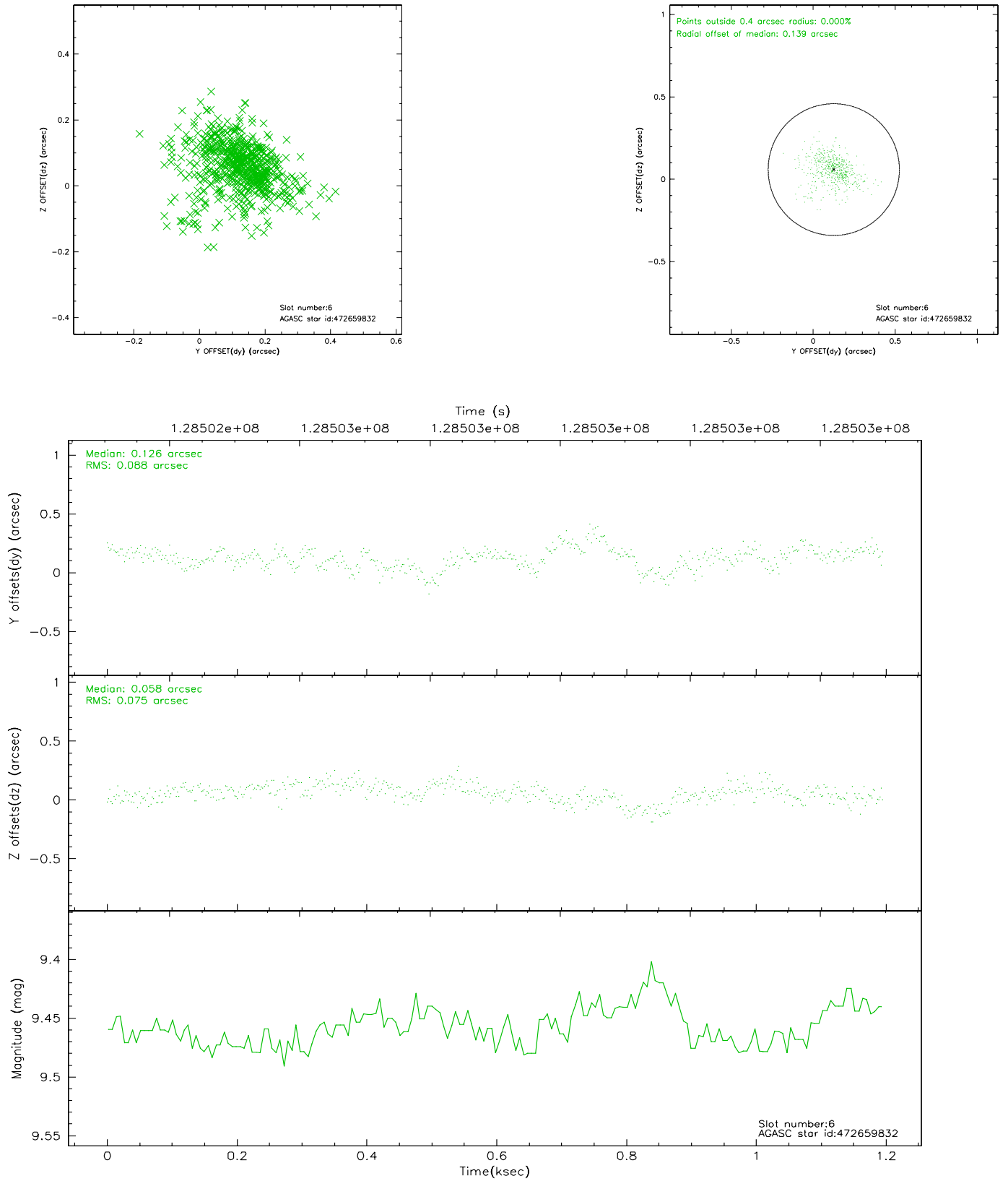
2.4.2 Slot 4



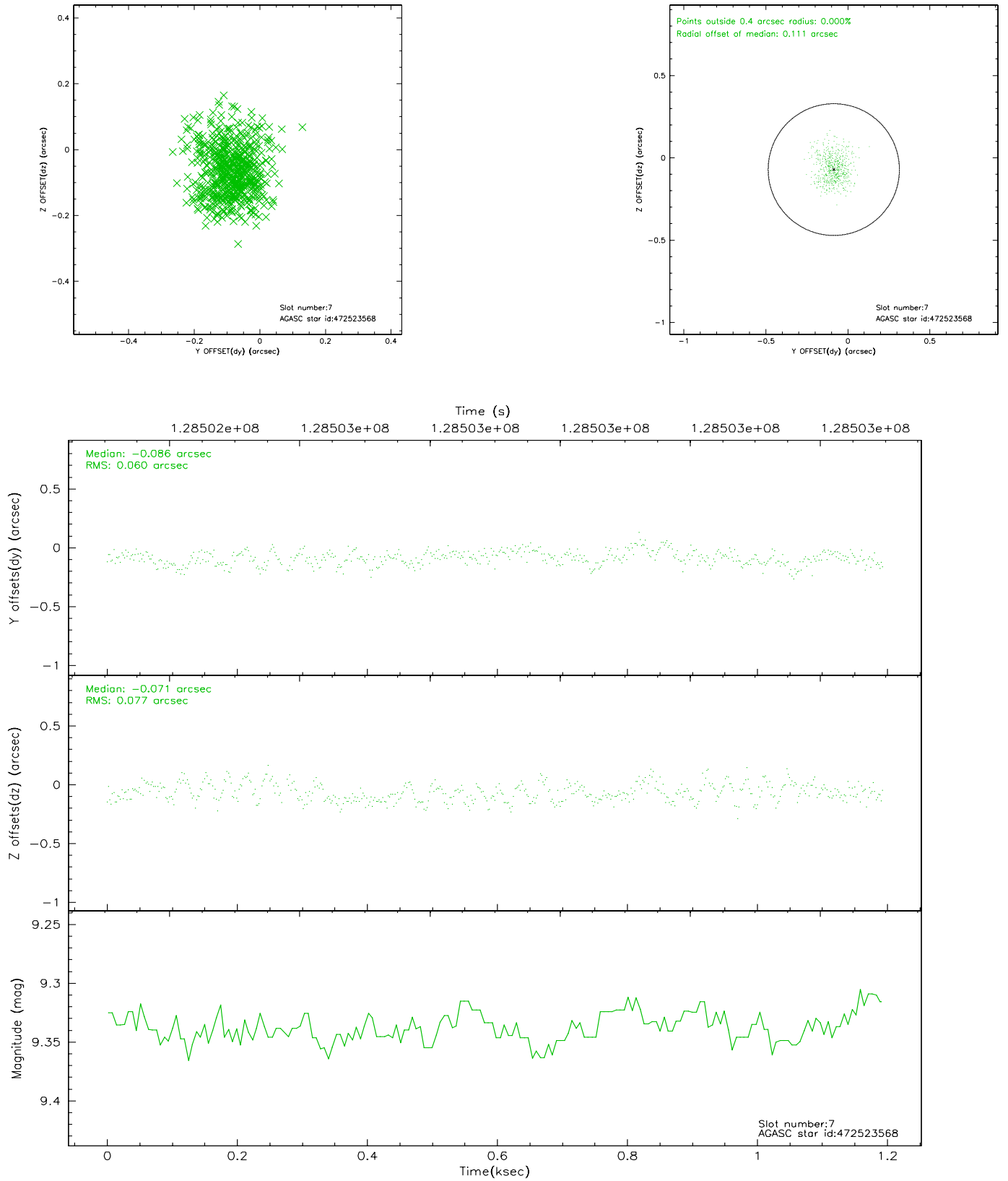
2.4.3 Slot 5



2.4.4 Slot 6

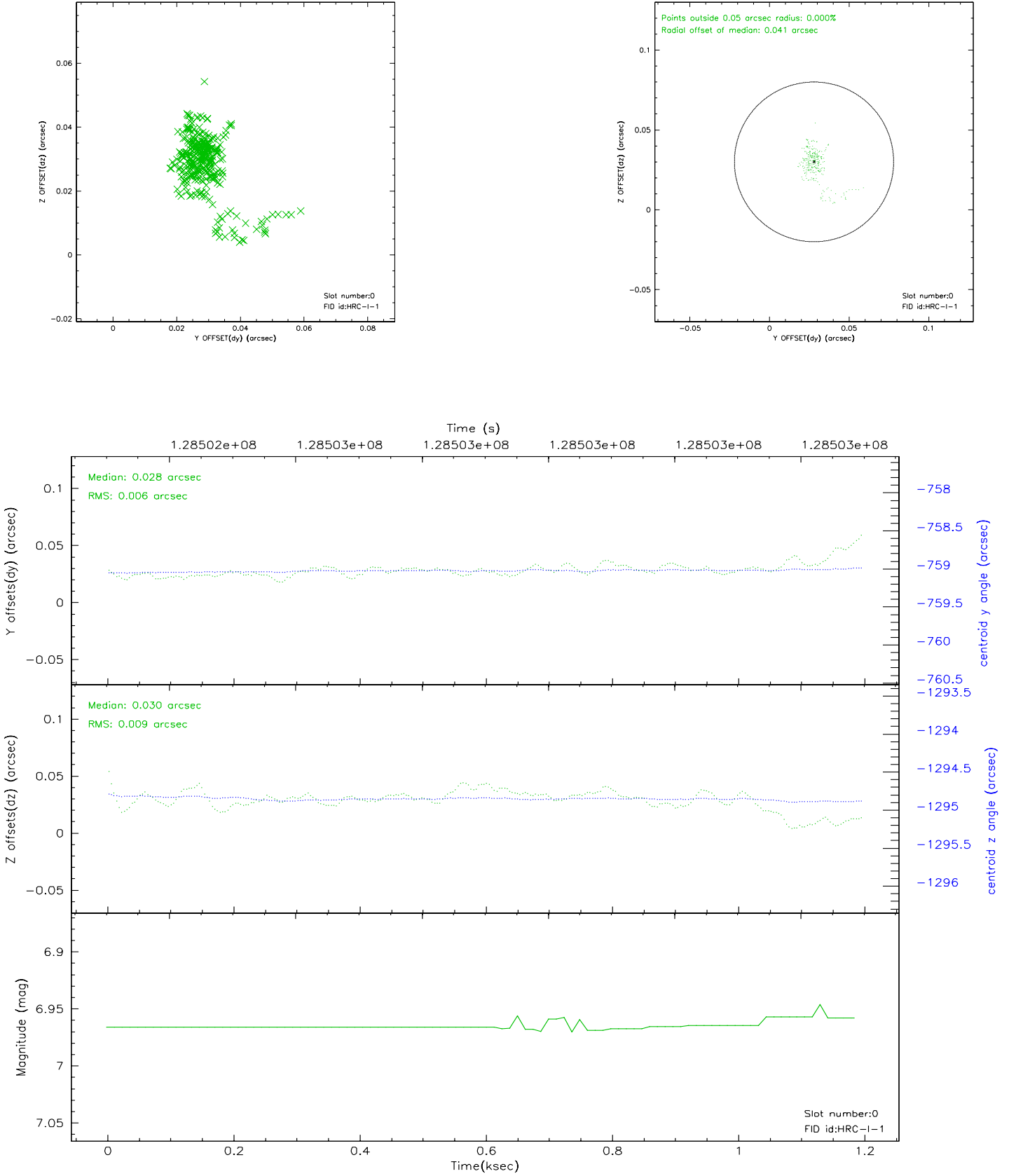


2.4.5 Slot 7

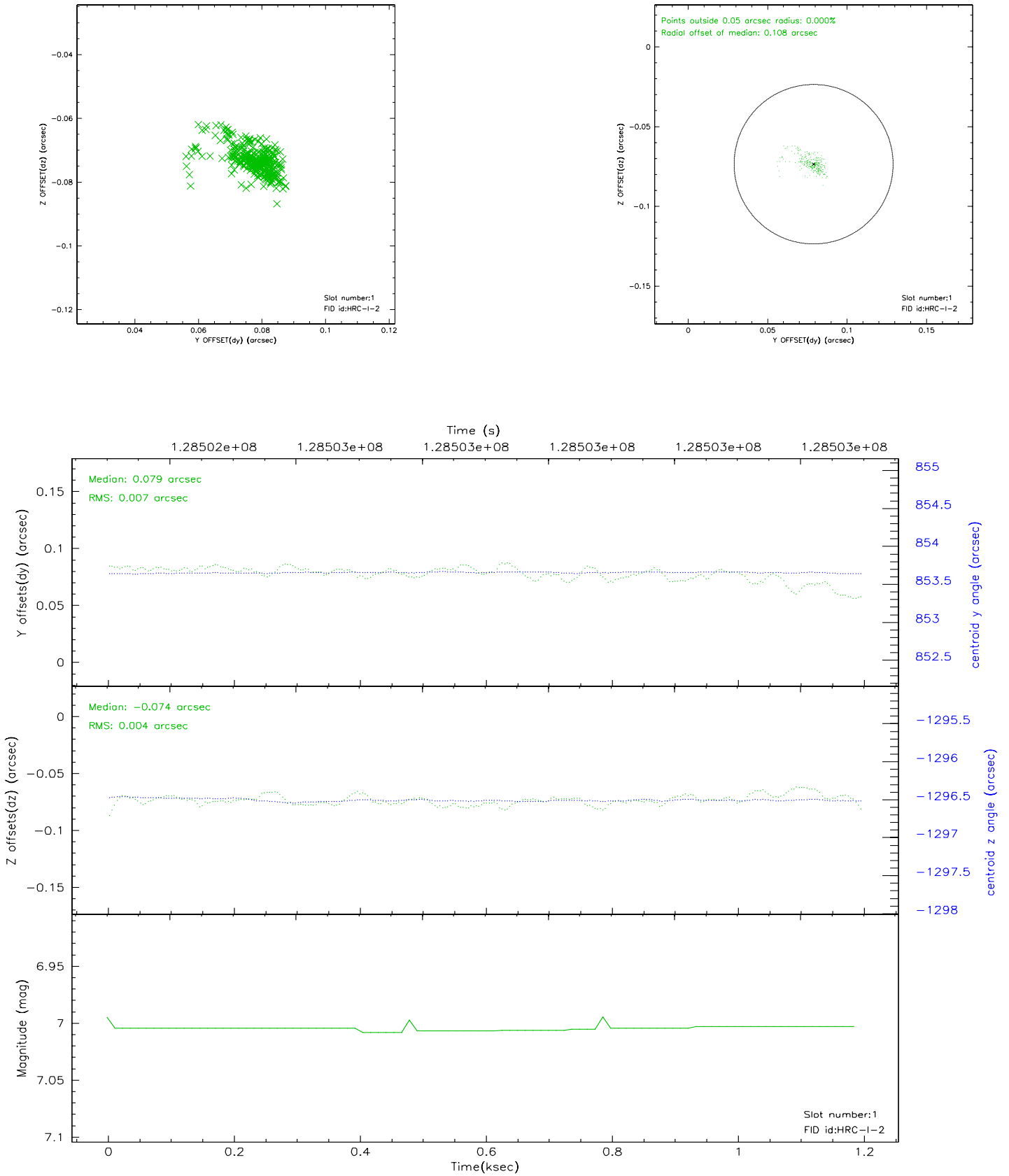


2.5 FID Slots

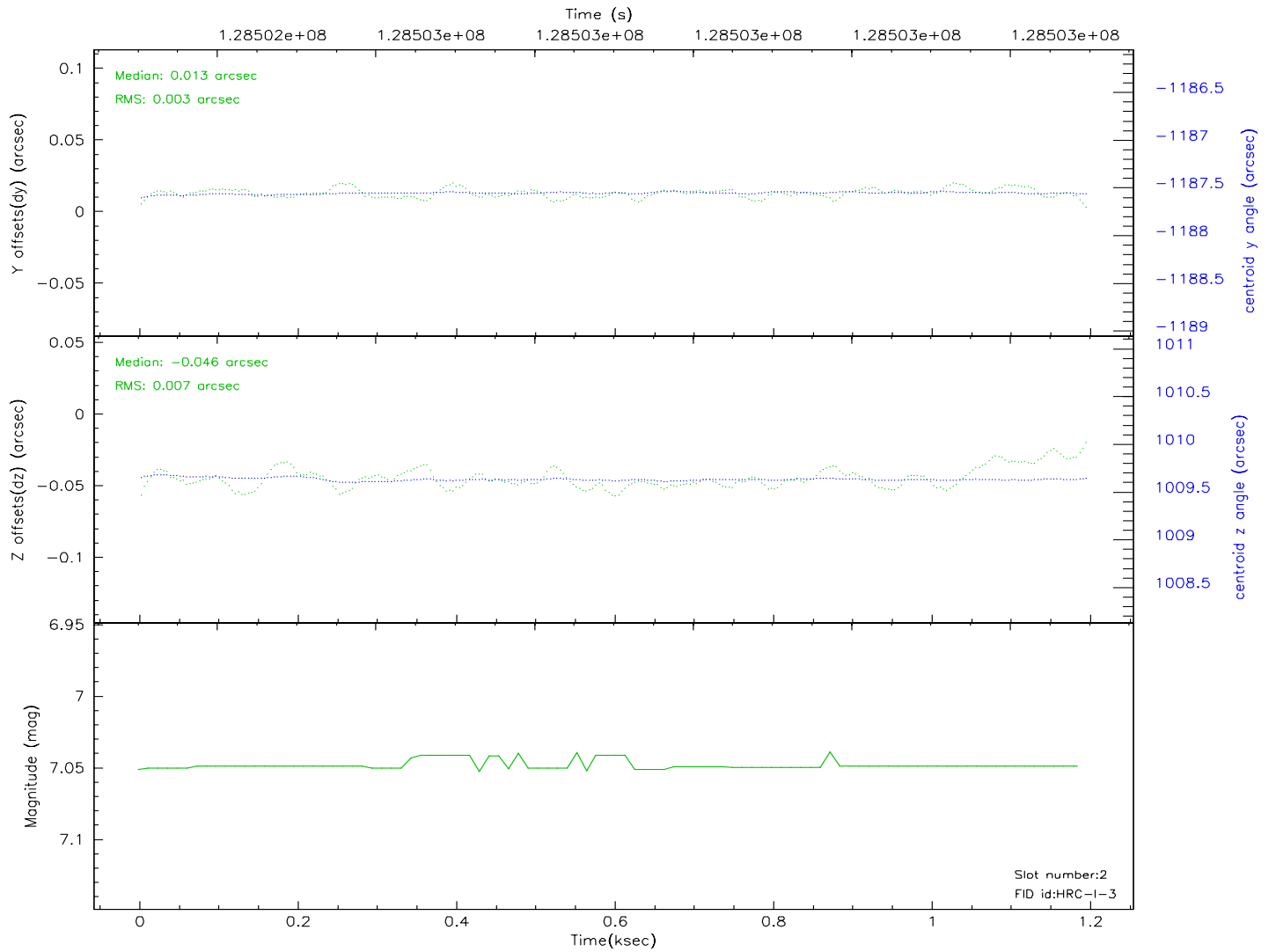
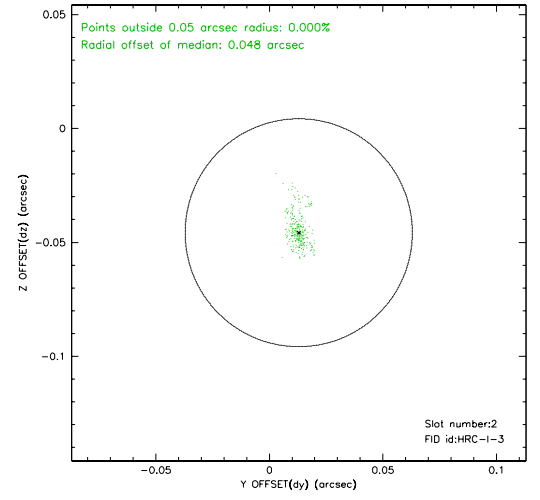
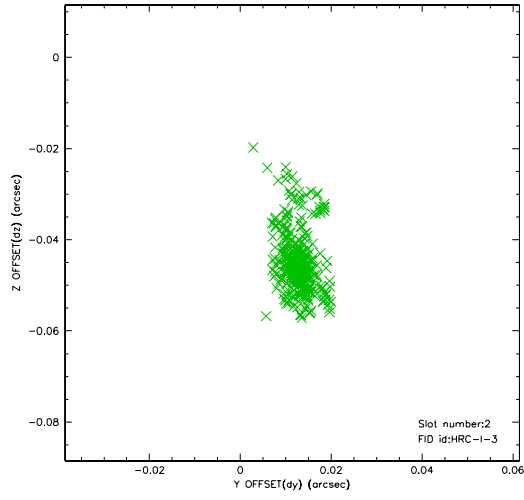
2.5.1 Slot 0



2.5.2 Slot 1

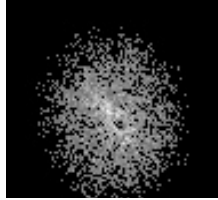


2.5.3 Slot 2



3 Point Sources

14.19 arcmin



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.12.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.194

A.2 Comments

Monitor constraint met. Target is near the edge of the detector and is consequently extended and asymmetric.

The current observation has been reprocessed as part of Repro III ('C' supplement) the purpose of which is to update all HRC-I ObsIDs since Jan 2000 to the latest calibrations available for that configuration. Specifically, we are updating the DEGAP solution and the Gain Maps applied. For more information see the Repro IIIC web page at

<http://asc.harvard.edu/cda/repro3.html#IIIC>

and the associated links.