

V&V Reference Report

L2 ASCDS Version : 7.6.8.1

Observation 2607 - L2 Version 3
Chandra X-Ray Center

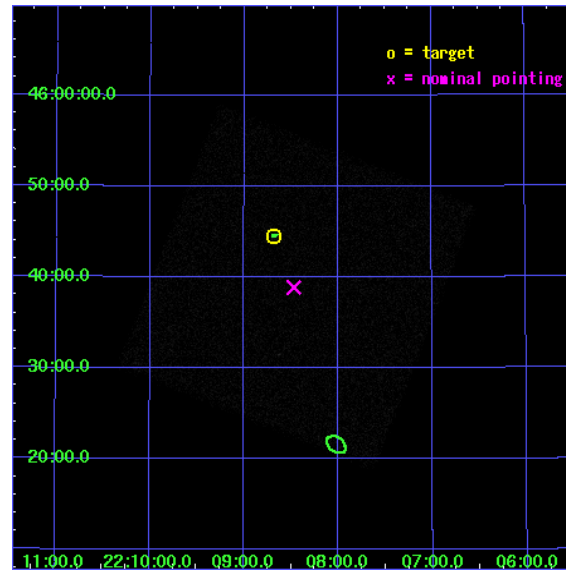
L2 Processing Date : Nov 20 2007

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1 Front

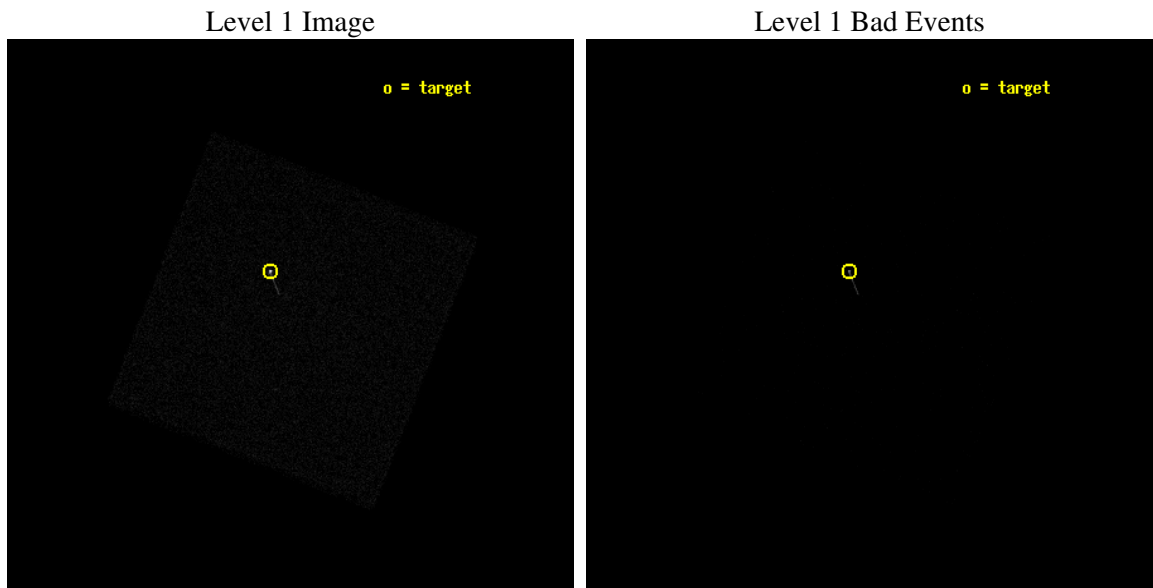
seq_num	290163
obs_id	2607
title	AO3 HRC-I CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.11727402387
dec_nom	45.648150412662
roll_nom	336.45147068359
revision	3
ontime	1192.0750480145
livetime	1185.4967856866
l2events	36754



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	2007-11-20T22:34:53
revision	3

sched_exp_time	1000.000000
ontime	1192.0750480145
l1events	66792

2.1.3 Events

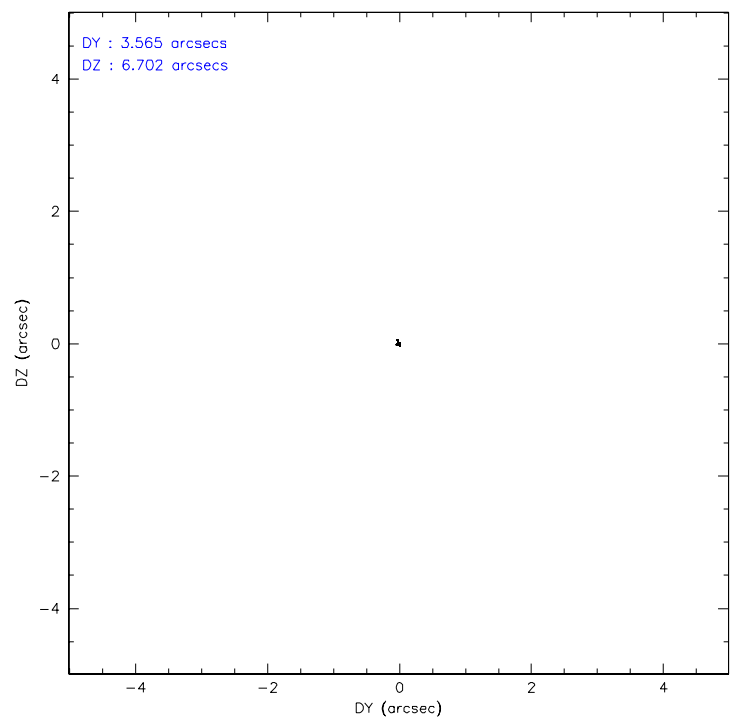
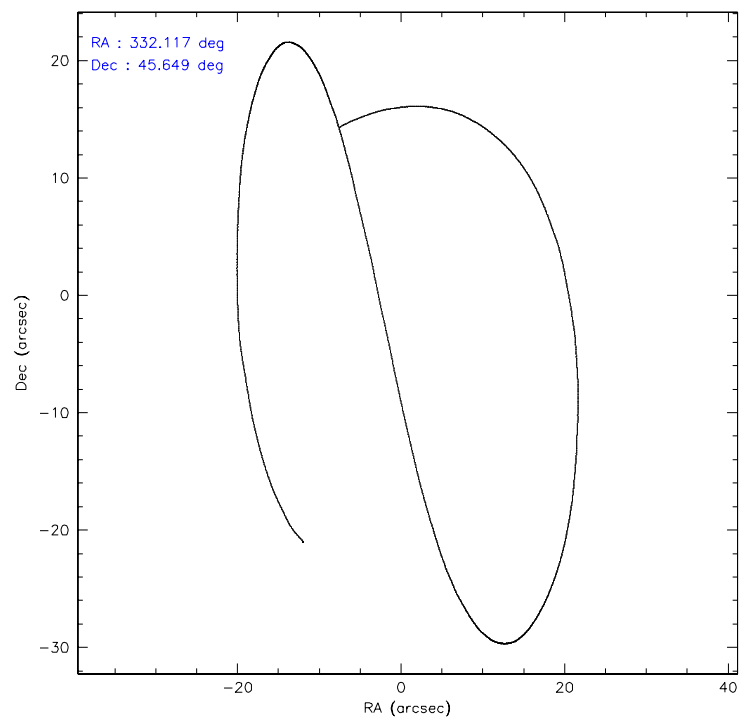
Level 1 Events

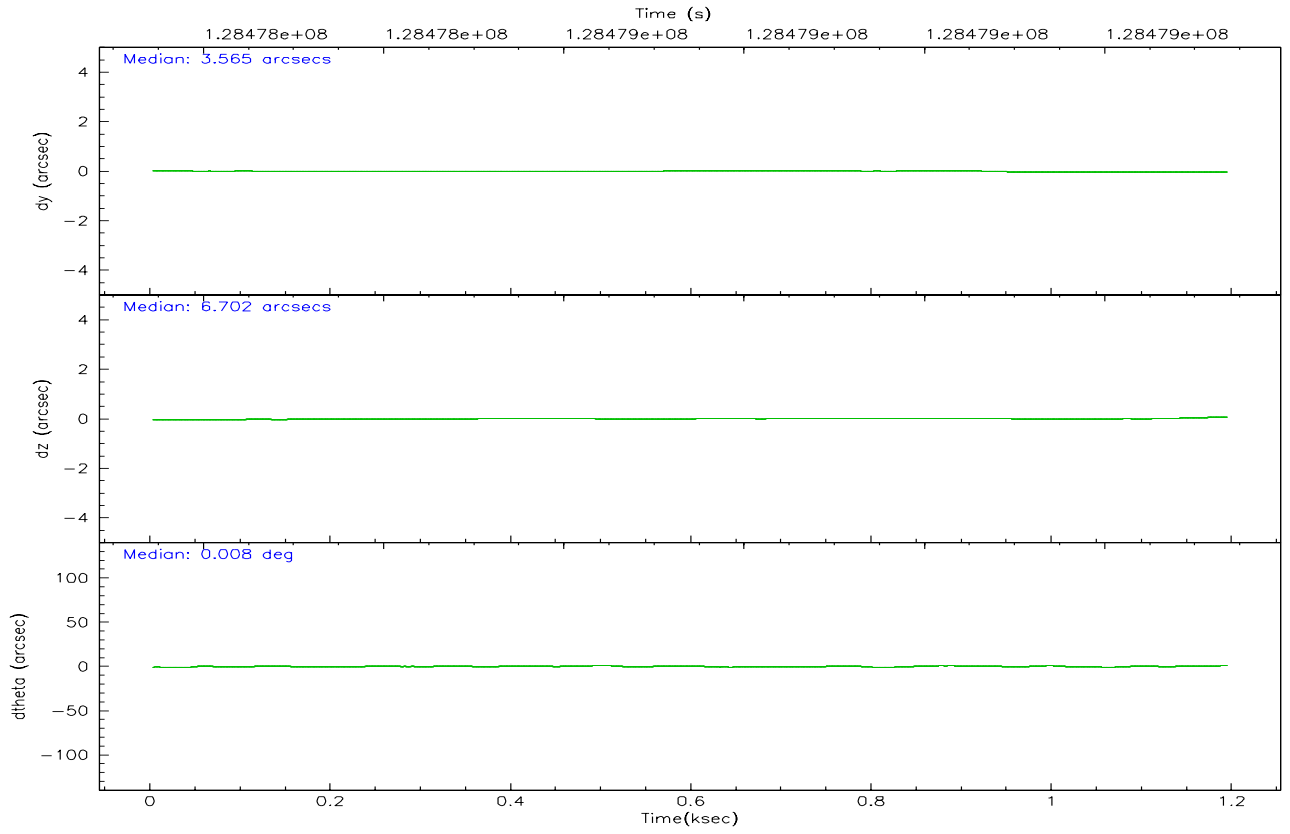
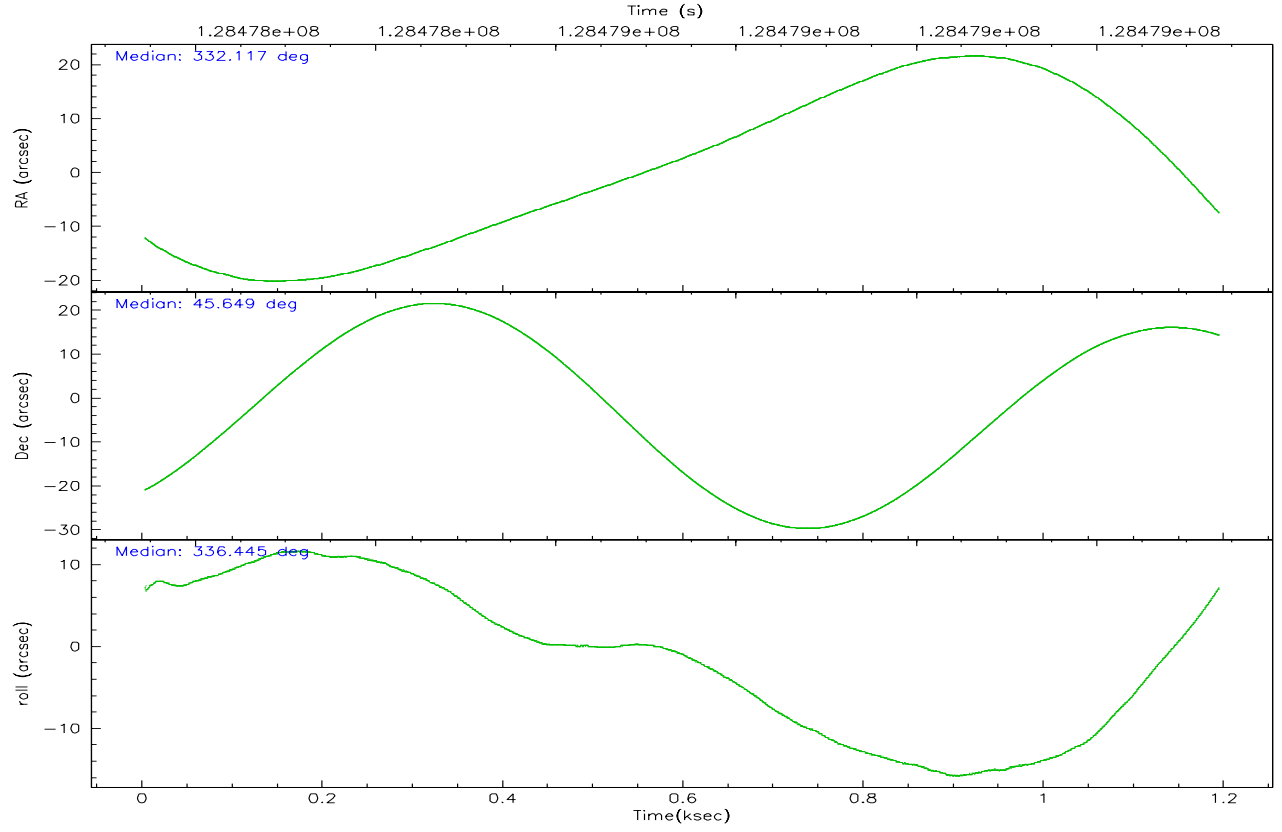
	segment 0
level 1 events	66792
rejected events	13820
rejected %	20%

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	332.078684	332.1172740238667			
Pointing Dec	45.643891	45.64815041266228			
Pointing Roll	336.574603	336.4514706835851			
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	128478339.184000	128477963.35226			
Observation start date	2002-01-27T00:24:35	2002-01-27T00:19:23			
Observation end time	128479339.184000	128479473.17732			
Observation end date	2002-01-27T00:41:15	2002-01-27T00:44:33			

2.3 Aspect



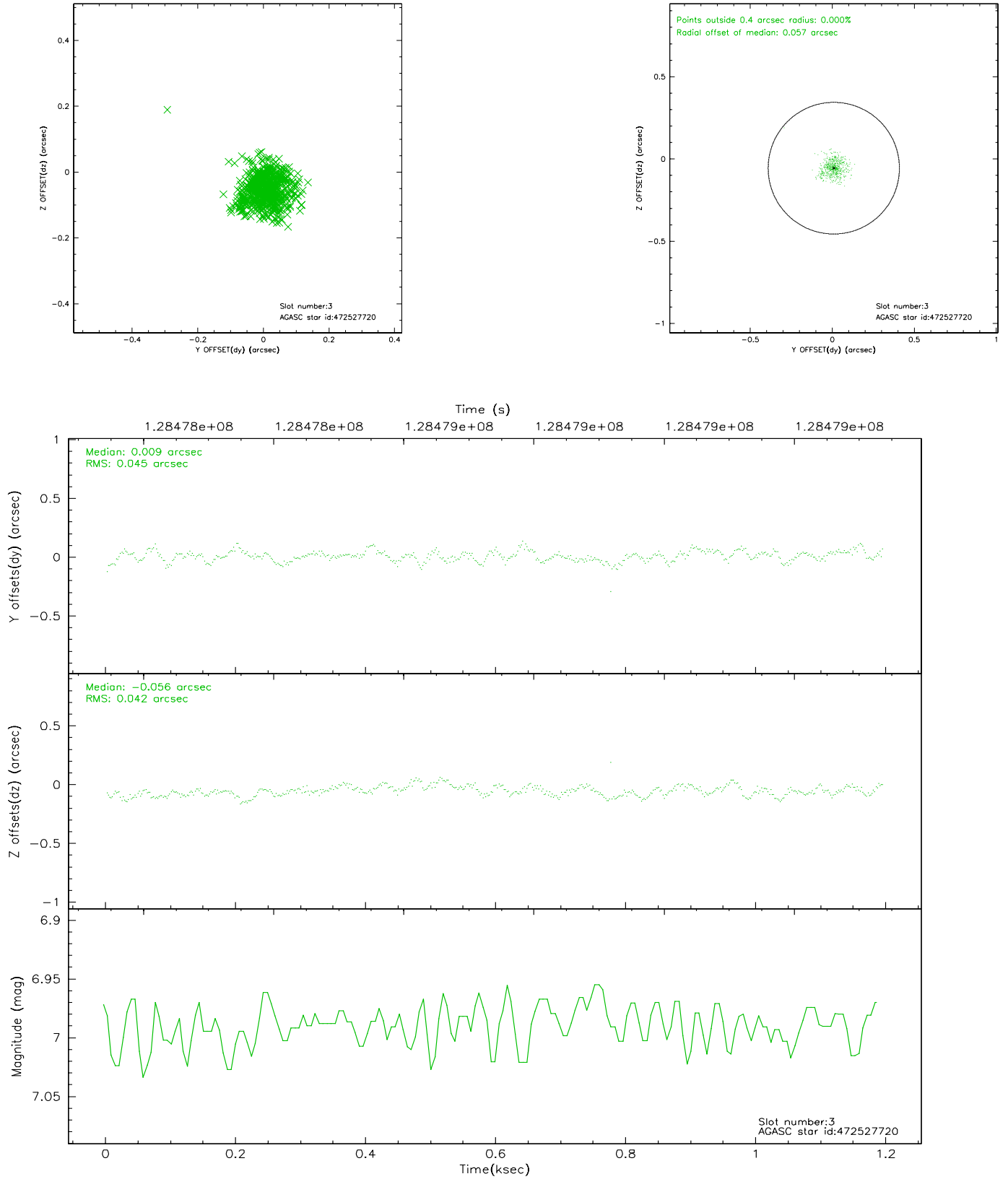


Slot Statistics

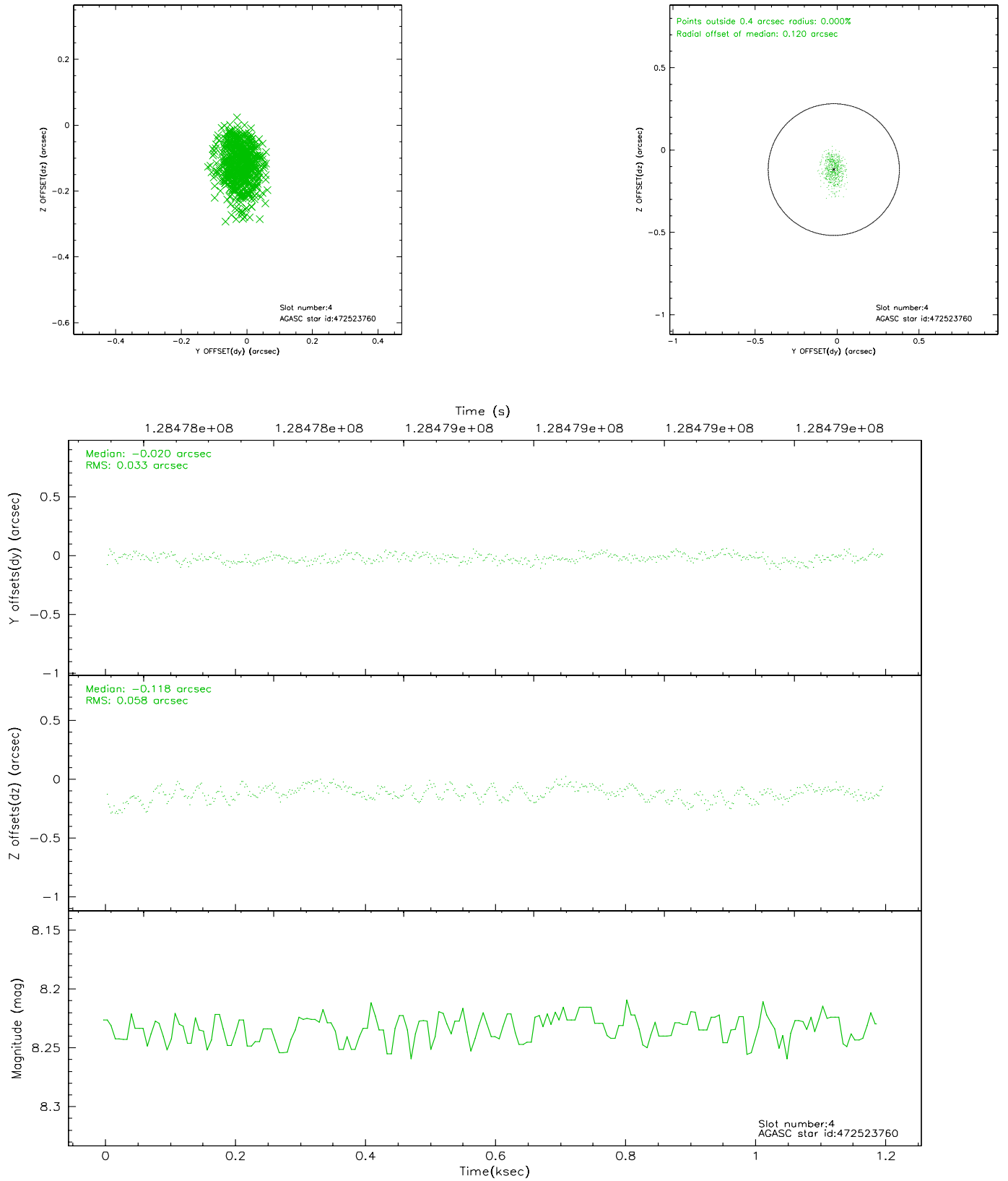
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	6.99	291	0.069	0.002	0.005	0.009	0.000000	0.000000	853.67	-1296.15
1	FID	HRC-I-3	7.04	291	0.007	-0.007	0.006	0.012	0.000000	0.000000	-1184.61	1005.50
2	FID	HRC-I-4	6.98	291	0.042	-0.081	0.006	0.010	0.000000	0.000000	1279.70	1010.97
3	GUIDE	472527720	6.99	583	0.009	-0.056	0.065	0.101	331.460205	45.112509	-682.87	-2377.28
4	GUIDE	472523760	8.23	583	-0.020	-0.118	0.071	0.115	331.645363	45.403260	-662.28	-1234.58
5	GUIDE	472527656	9.14	583	-0.136	-0.019	0.121	0.228	331.004689	45.273362	-1974.01	-2294.07
6	GUIDE	472654568	9.44	581	0.064	0.038	0.090	0.145	332.194449	45.063576	1098.05	-1806.26
7	GUIDE	472655152	9.43	582	0.092	0.145	0.103	0.169	332.504239	45.862991	666.62	1144.91

2.4 Star Slots

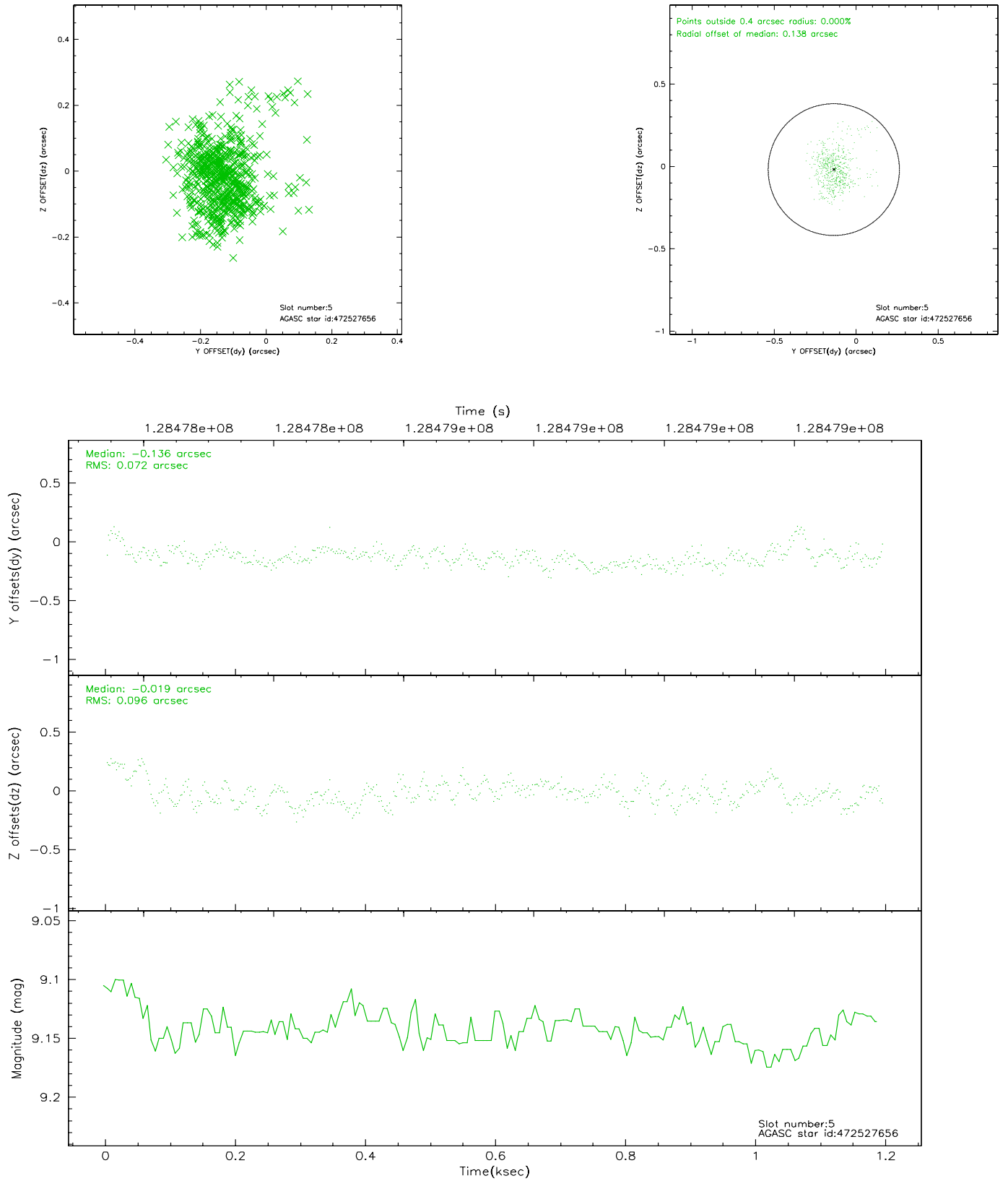
2.4.1 Slot 3



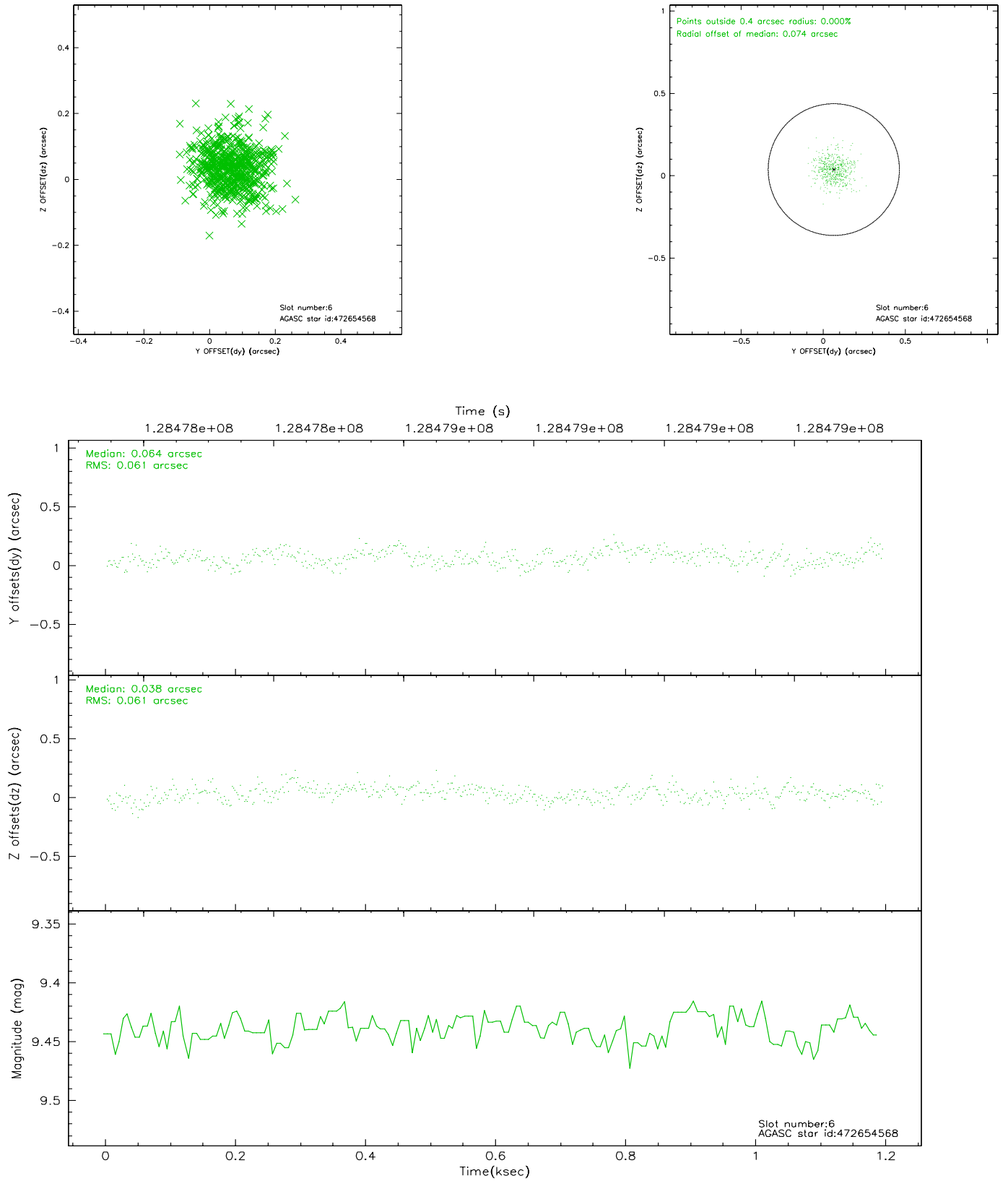
2.4.2 Slot 4



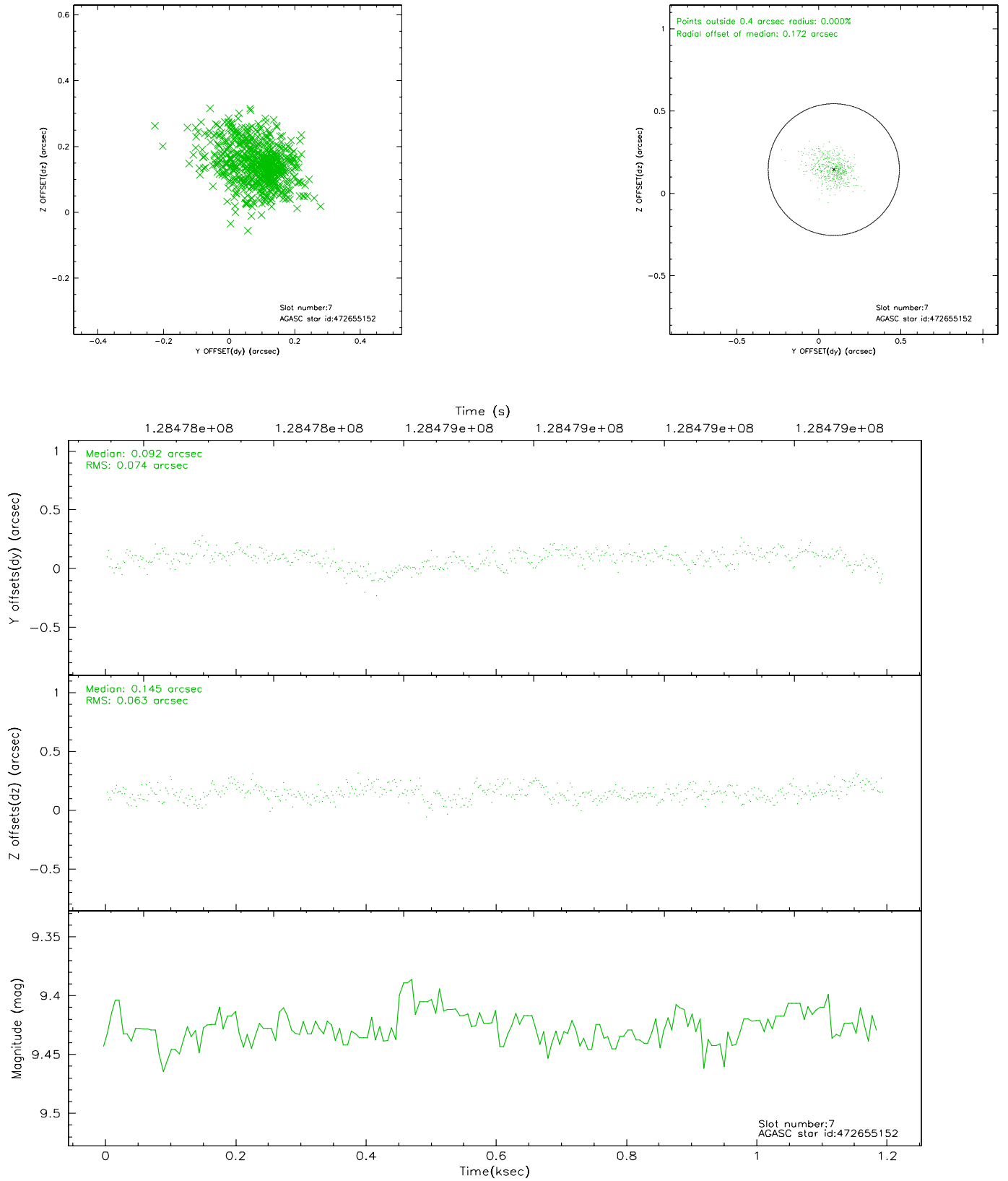
2.4.3 Slot 5



2.4.4 Slot 6

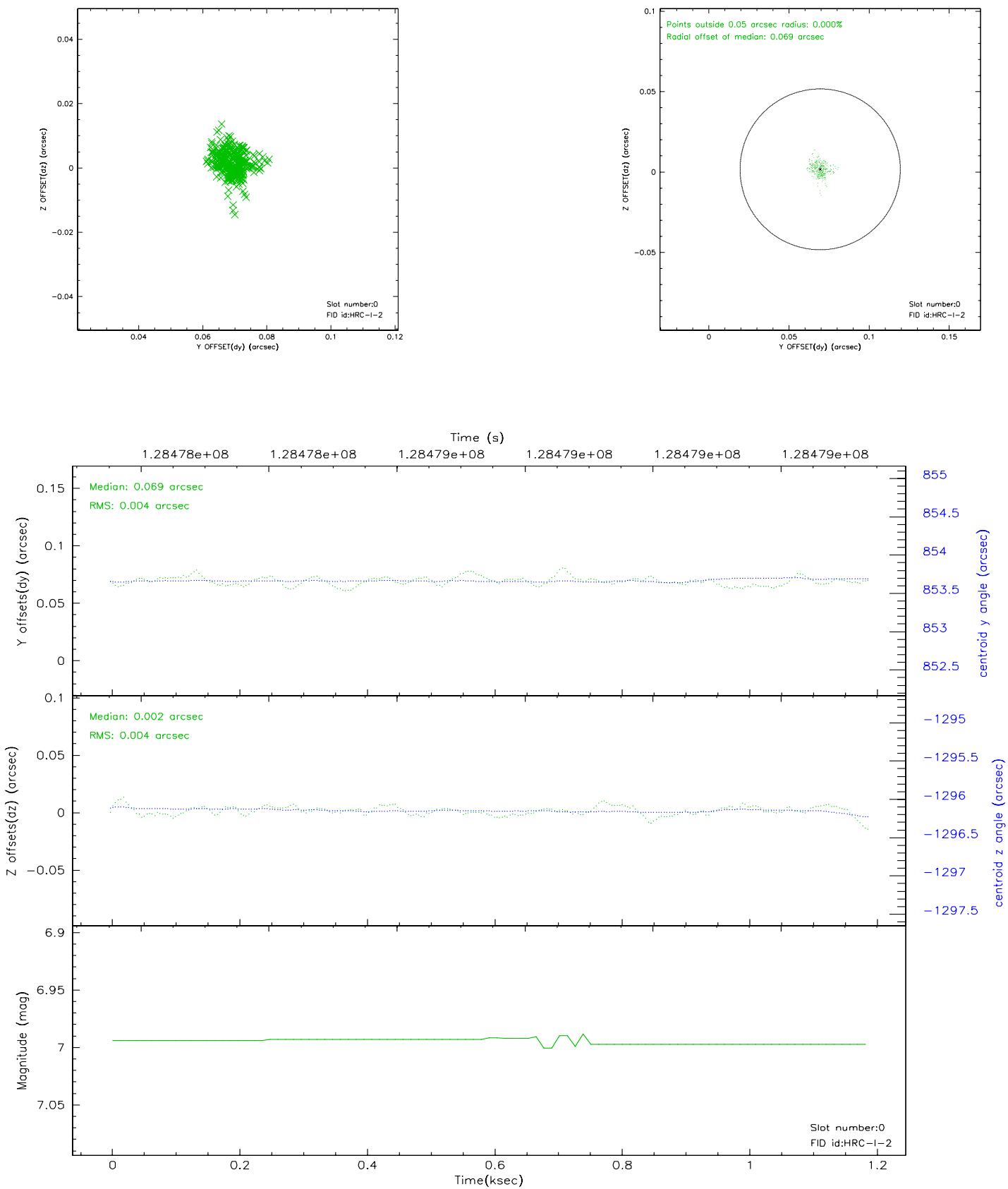


2.4.5 Slot 7

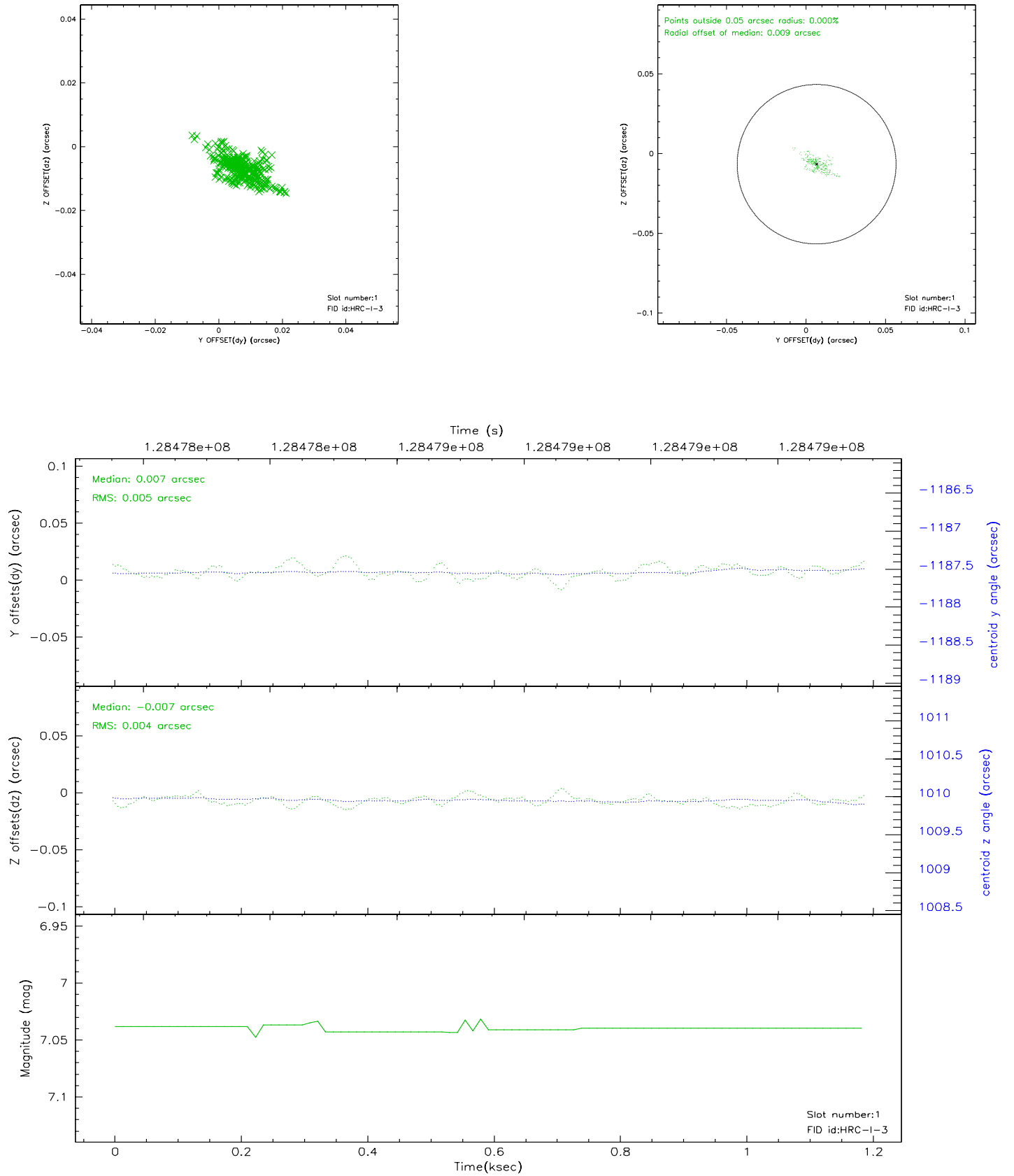


2.5 FID Slots

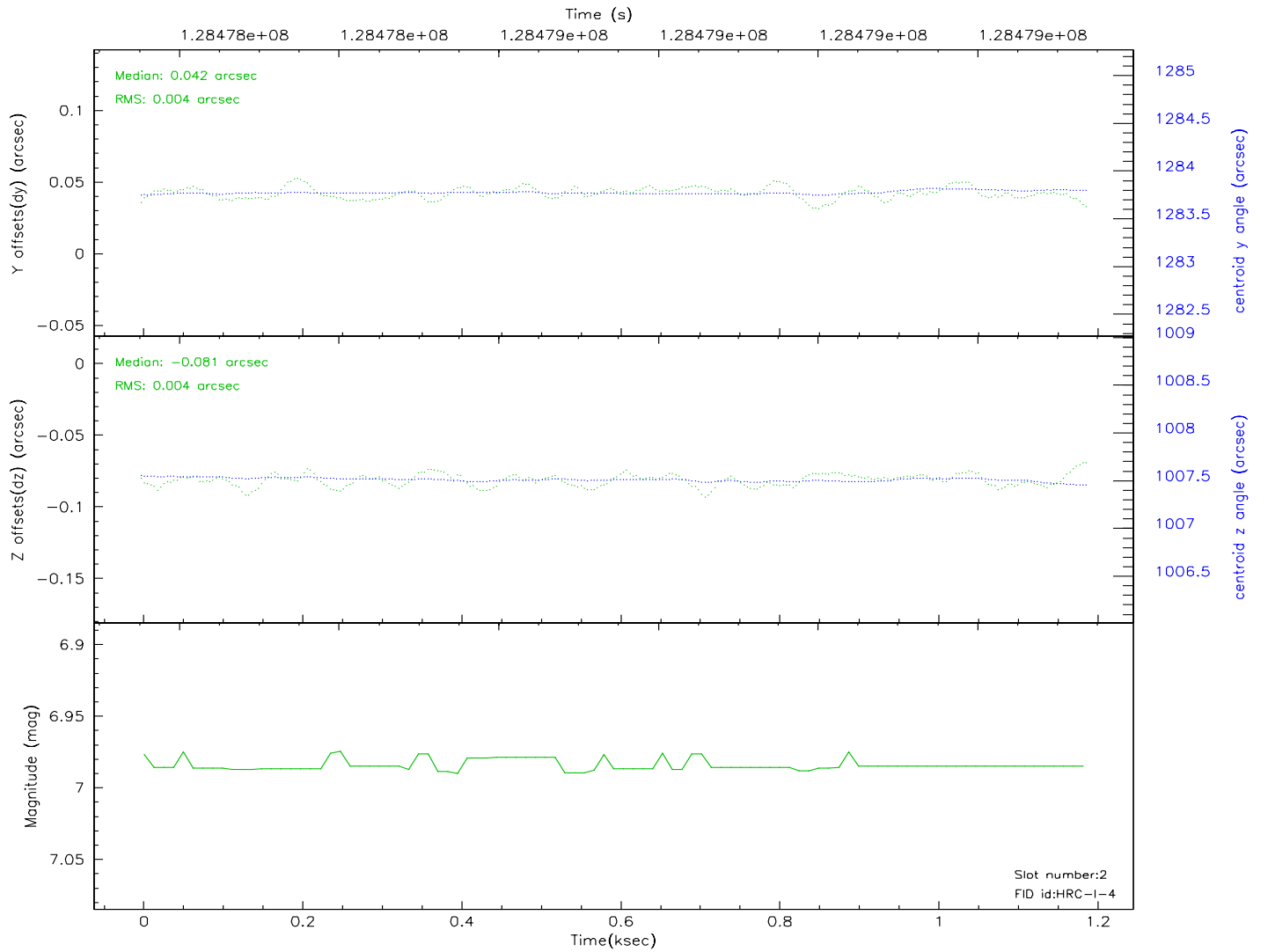
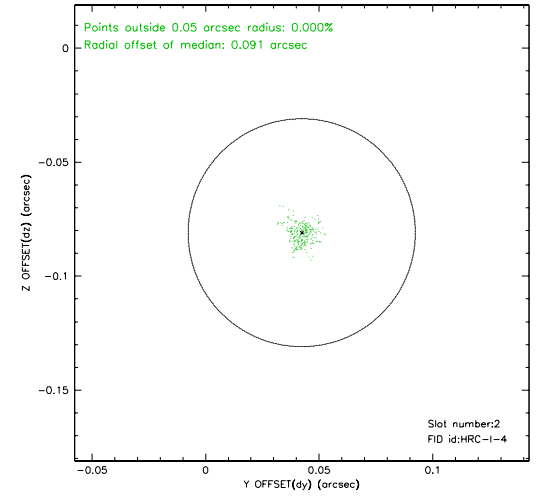
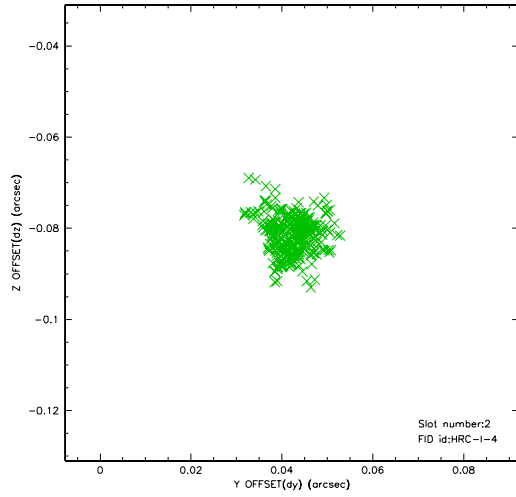
2.5.1 Slot 0



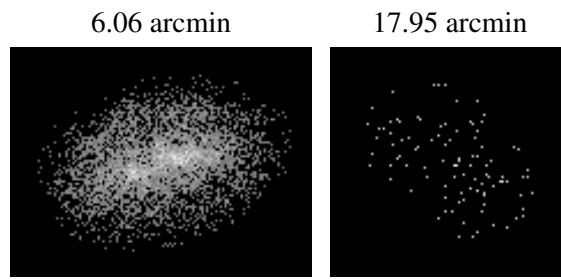
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.12.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.192

A.2 Comments

Monitor constraint met.

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.