

V&V Reference Report

L2 ASCDS Version : 7.6.8.1

Observation 2624 - L2 Version 3
Chandra X-Ray Center

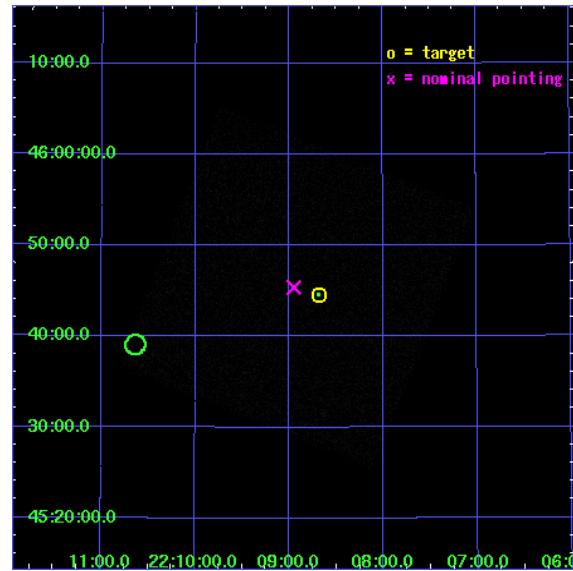
L2 Processing Date : Nov 21 2007

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1 Front

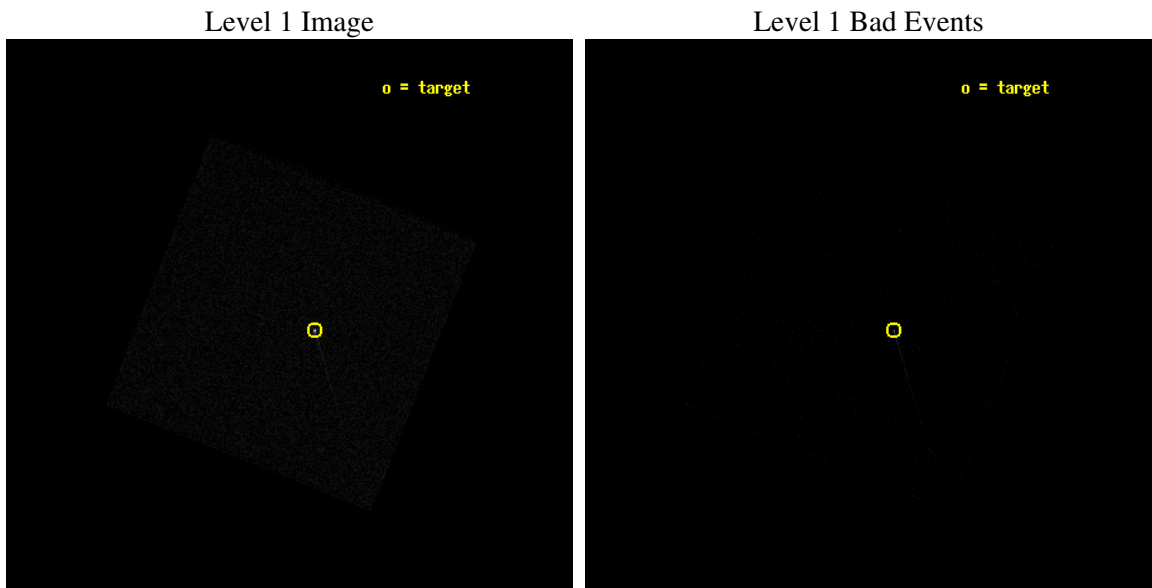
seq_num	290180
obs_id	2624
title	AO3 HRC-I CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.2375995244
dec_nom	45.75673804899
roll_nom	336.63200315064
revision	3
ontime	1198.4812982827
livetime	1191.8108837429
l2events	37624



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	2007-11-21T19:11:45
revision	3

sched_exp_time	1000.000000
ontime	1198.4812982827
l1events	89871

2.1.3 Events

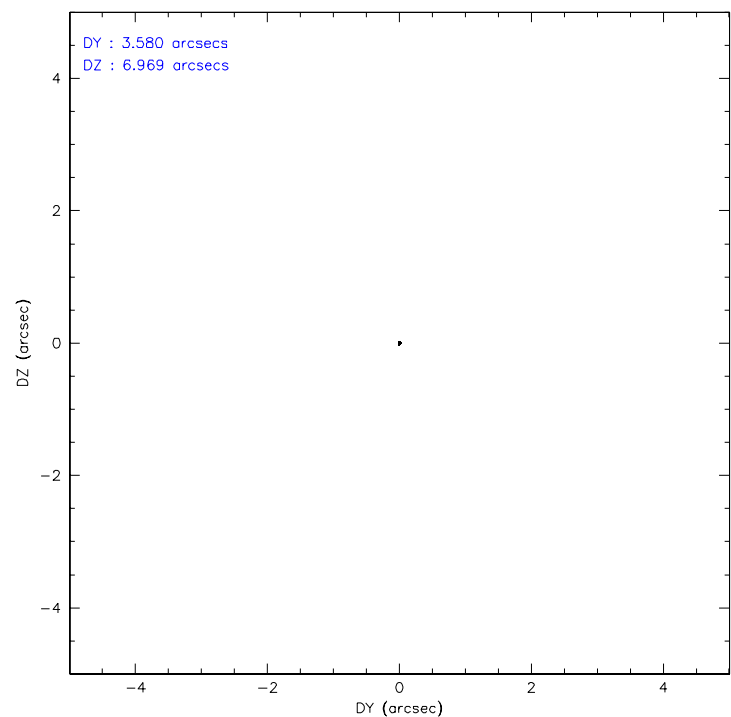
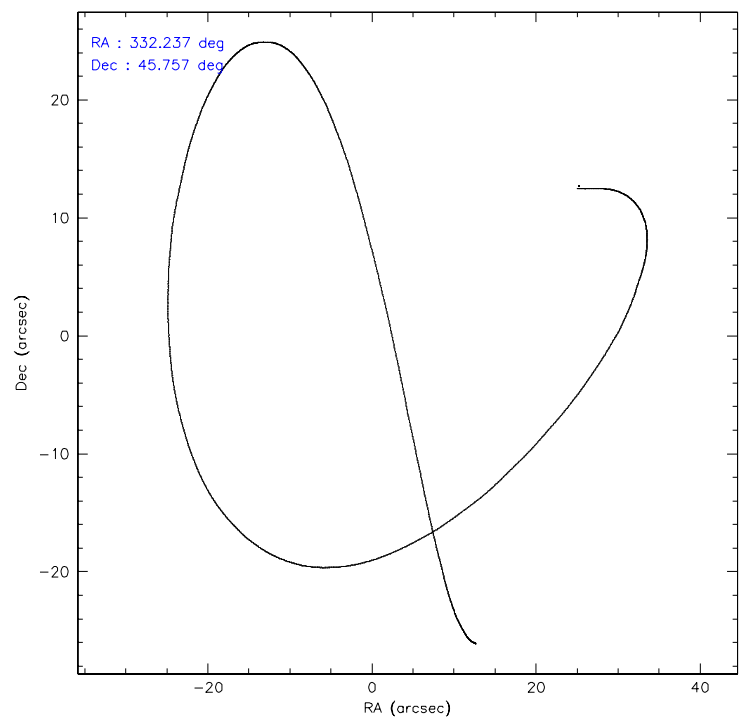
Level 1 Events

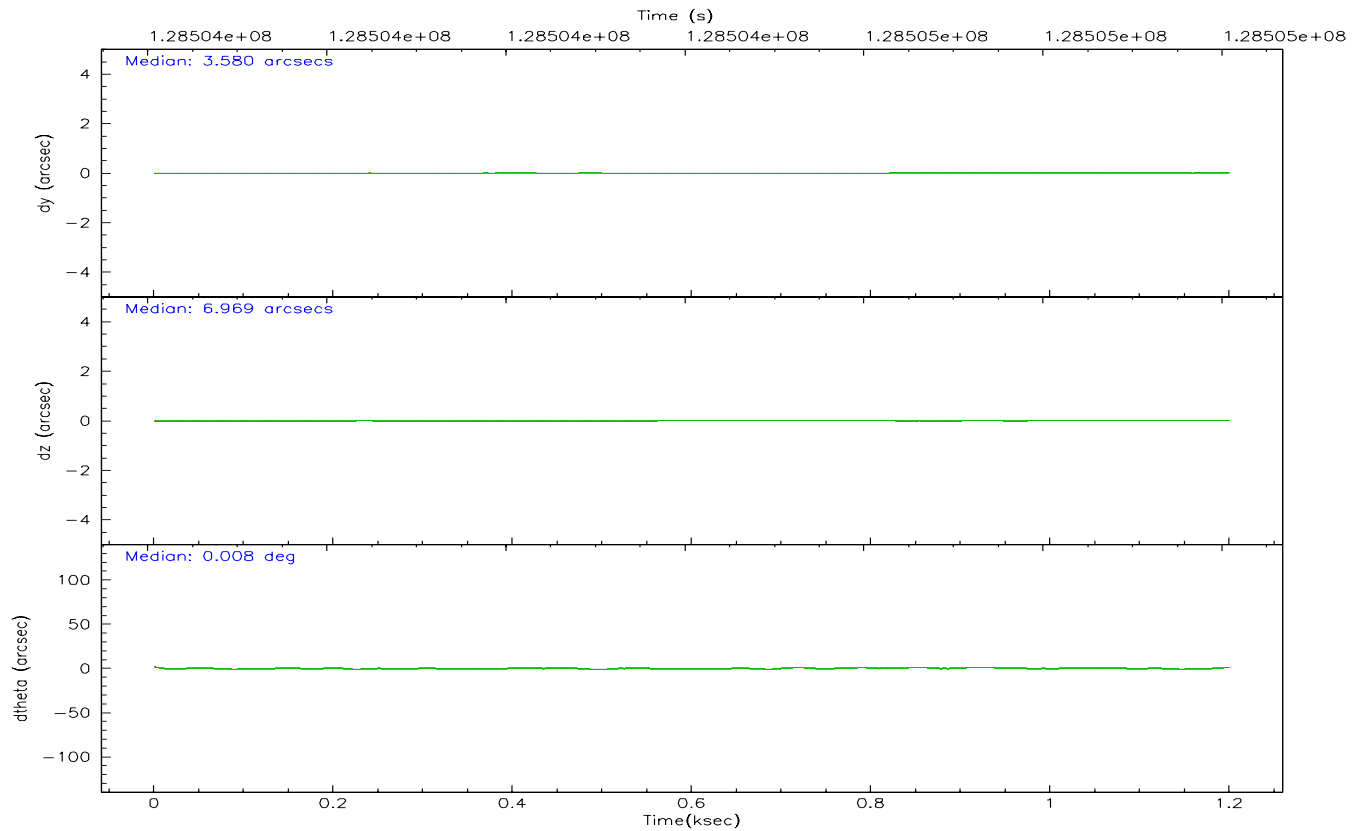
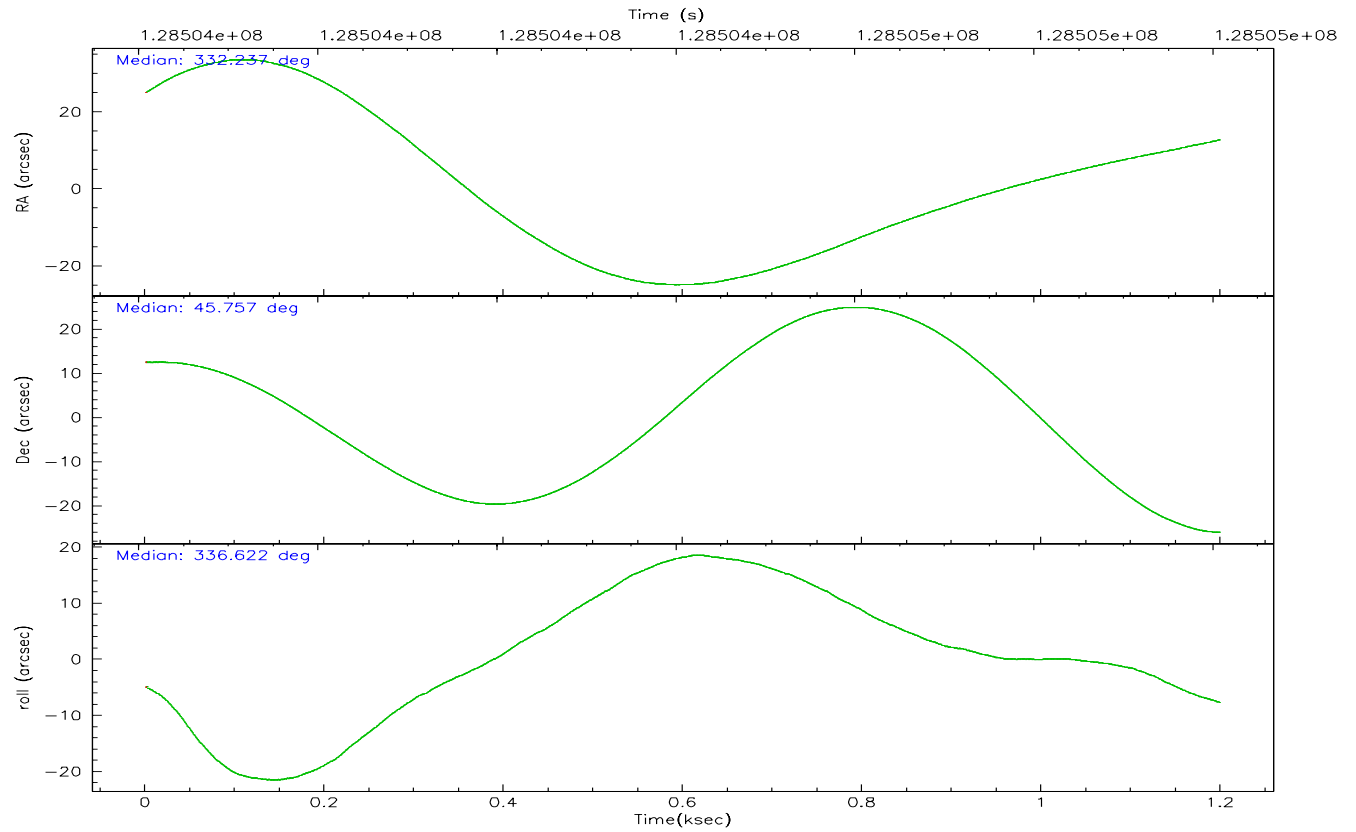
	segment 0
level 1 events	89871
rejected events	36085
rejected %	40%

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	332.198421	332.2375995243988			
Pointing Dec	45.753024	45.75673804898973			
Pointing Roll	336.755541	336.6320031506386			
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	128504009.184000	128503633.45329			
Observation start date	2002-01-27T07:32:25	2002-01-27T07:27:13			
Observation end time	128505009.184000	128505697.29088			
Observation end date	2002-01-27T07:49:05	2002-01-27T08:01:37			

2.3 Aspect



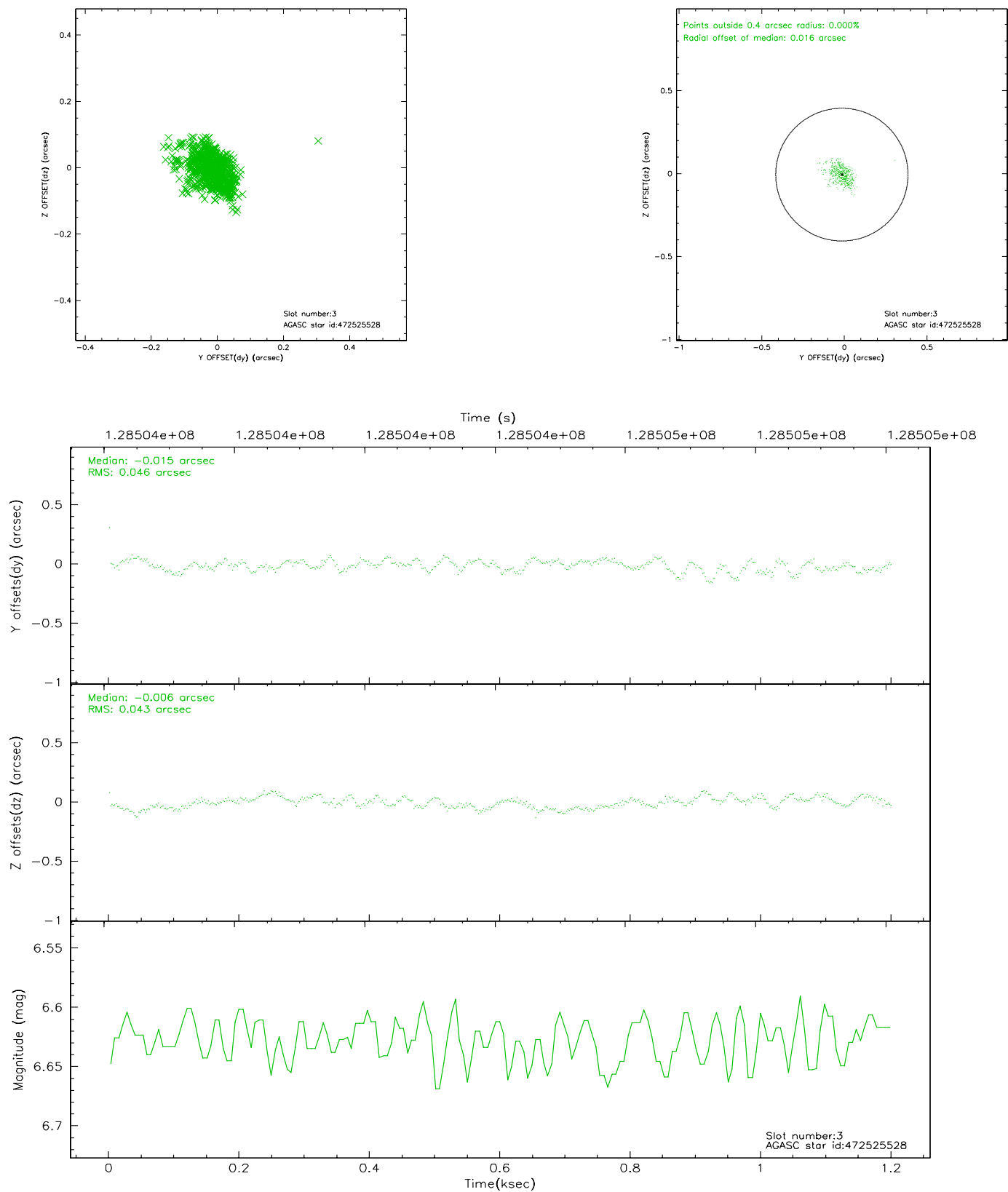


Slot Statistics

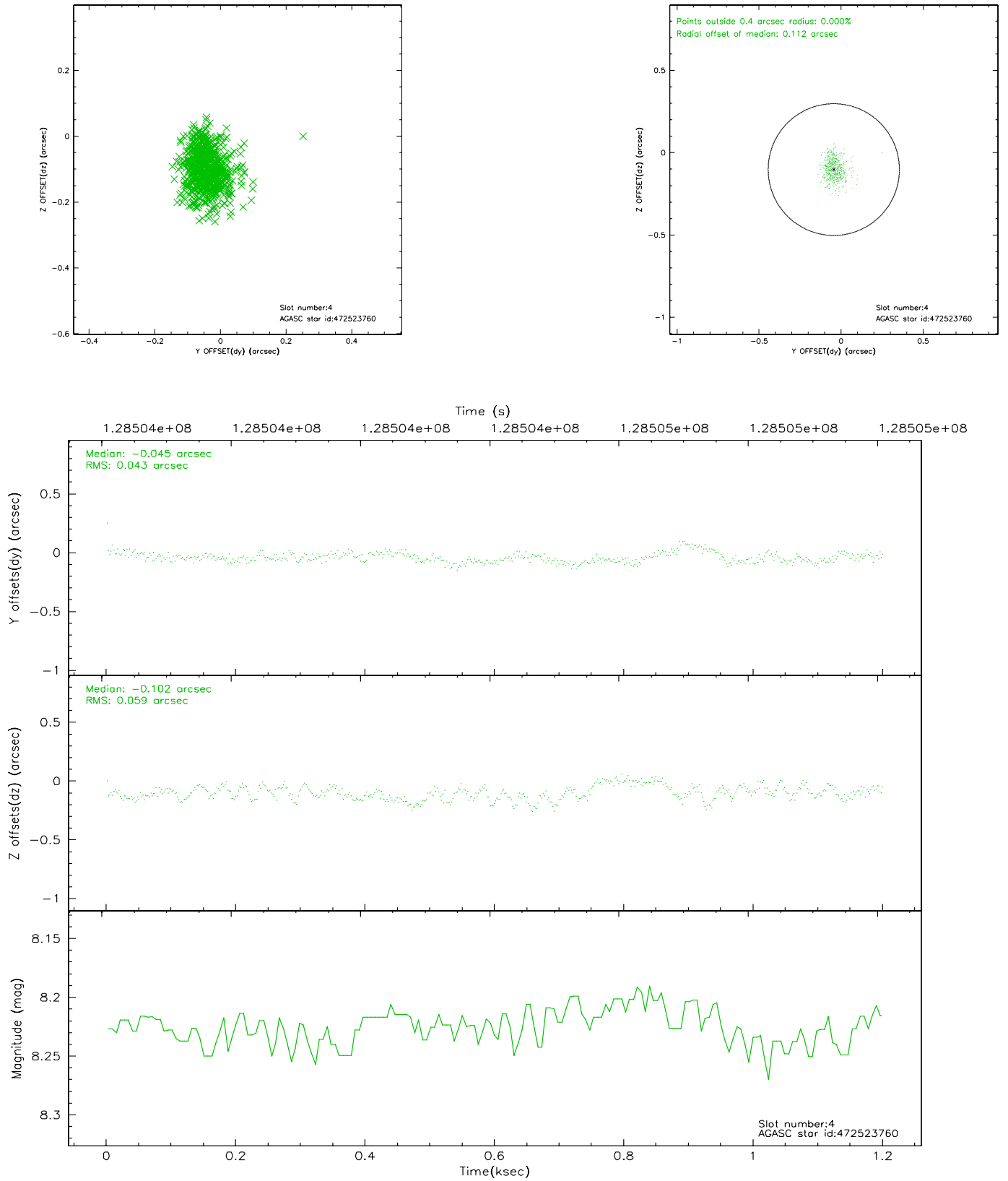
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	293	0.028	0.032	0.006	0.010	0.000000	0.000000	-759.03	-1294.84
1	FID	HRC-I-2	7.00	293	0.077	-0.073	0.006	0.010	0.000000	0.000000	851.06	-1300.92
2	FID	HRC-I-3	7.05	293	0.014	-0.048	0.005	0.010	0.000000	0.000000	-1184.65	1005.20
3	GUIDE	472525528	6.63	586	-0.015	-0.006	0.065	0.111	331.551102	45.248694	-794.51	-2310.97
4	GUIDE	472523760	8.23	586	-0.045	-0.102	0.075	0.122	331.645363	45.403260	-791.86	-1709.61
5	GUIDE	472665256	9.01	584	-0.035	0.012	0.111	0.239	332.808125	46.195041	762.69	2063.09
6	GUIDE	472659832	9.48	586	0.102	0.094	0.128	0.198	332.780399	46.098139	842.26	1722.37
7	GUIDE	472654568	9.44	584	0.002	0.014	0.117	0.191	332.194449	45.063576	970.83	-2282.64

2.4 Star Slots

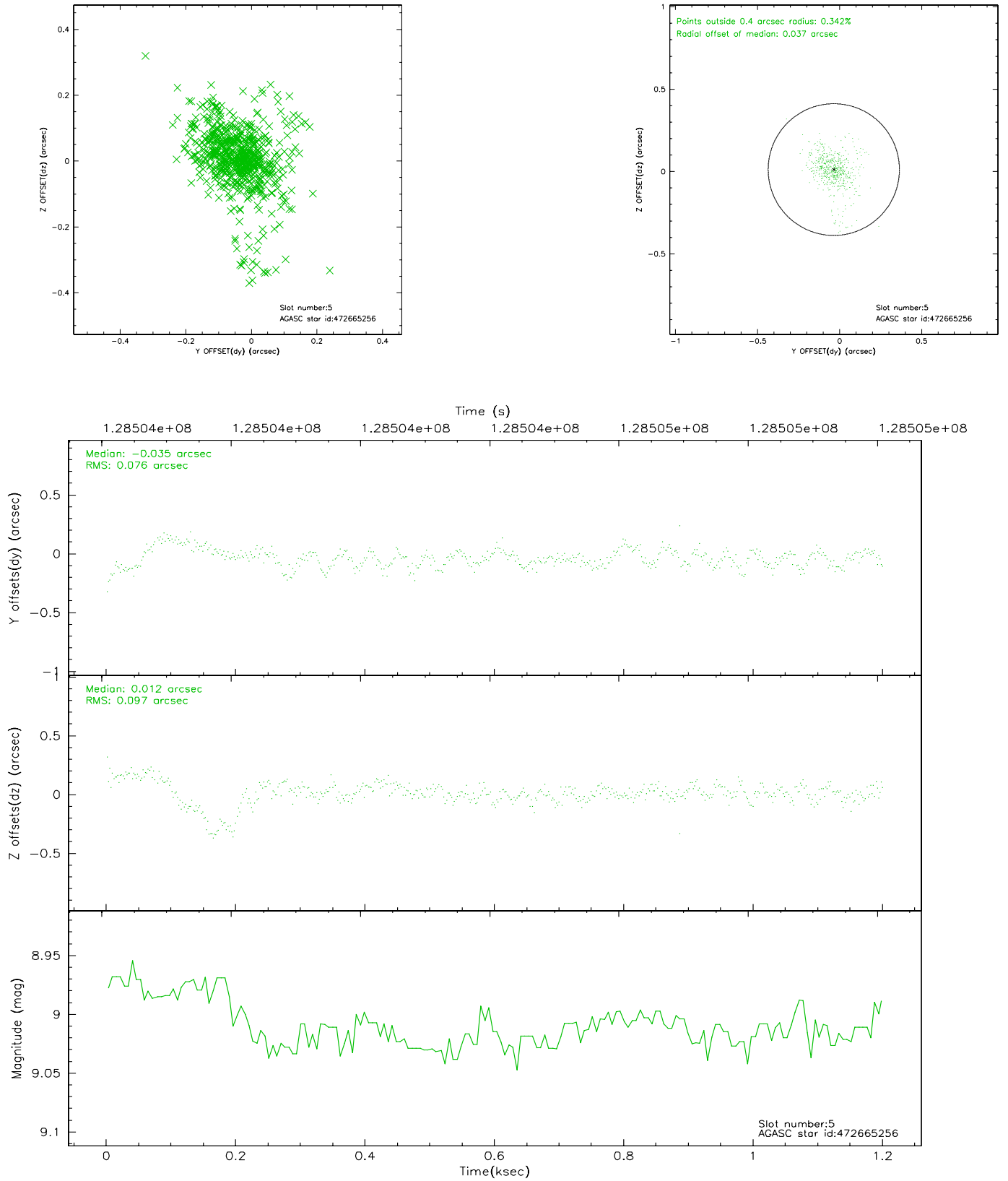
2.4.1 Slot 3



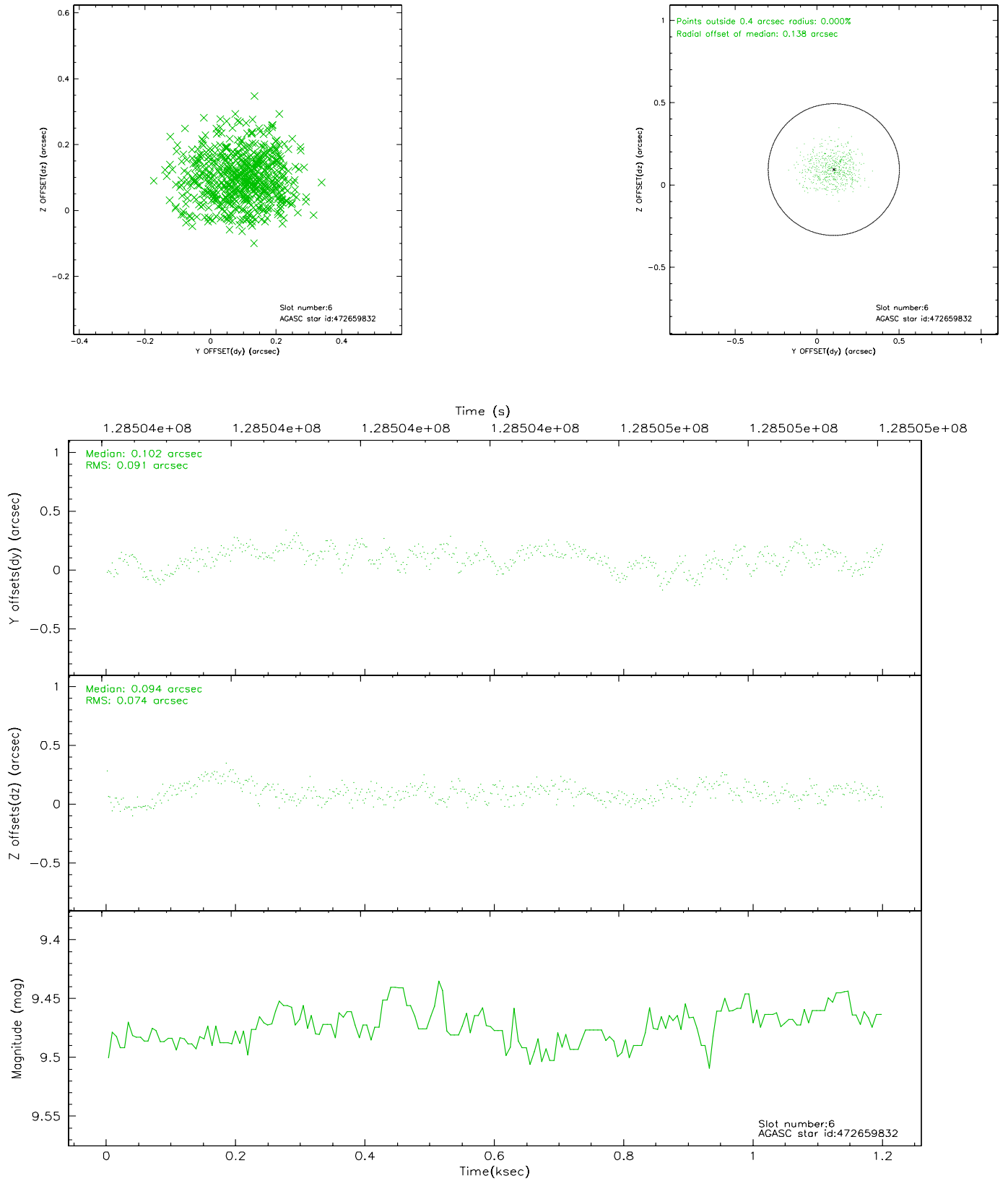
2.4.2 Slot 4



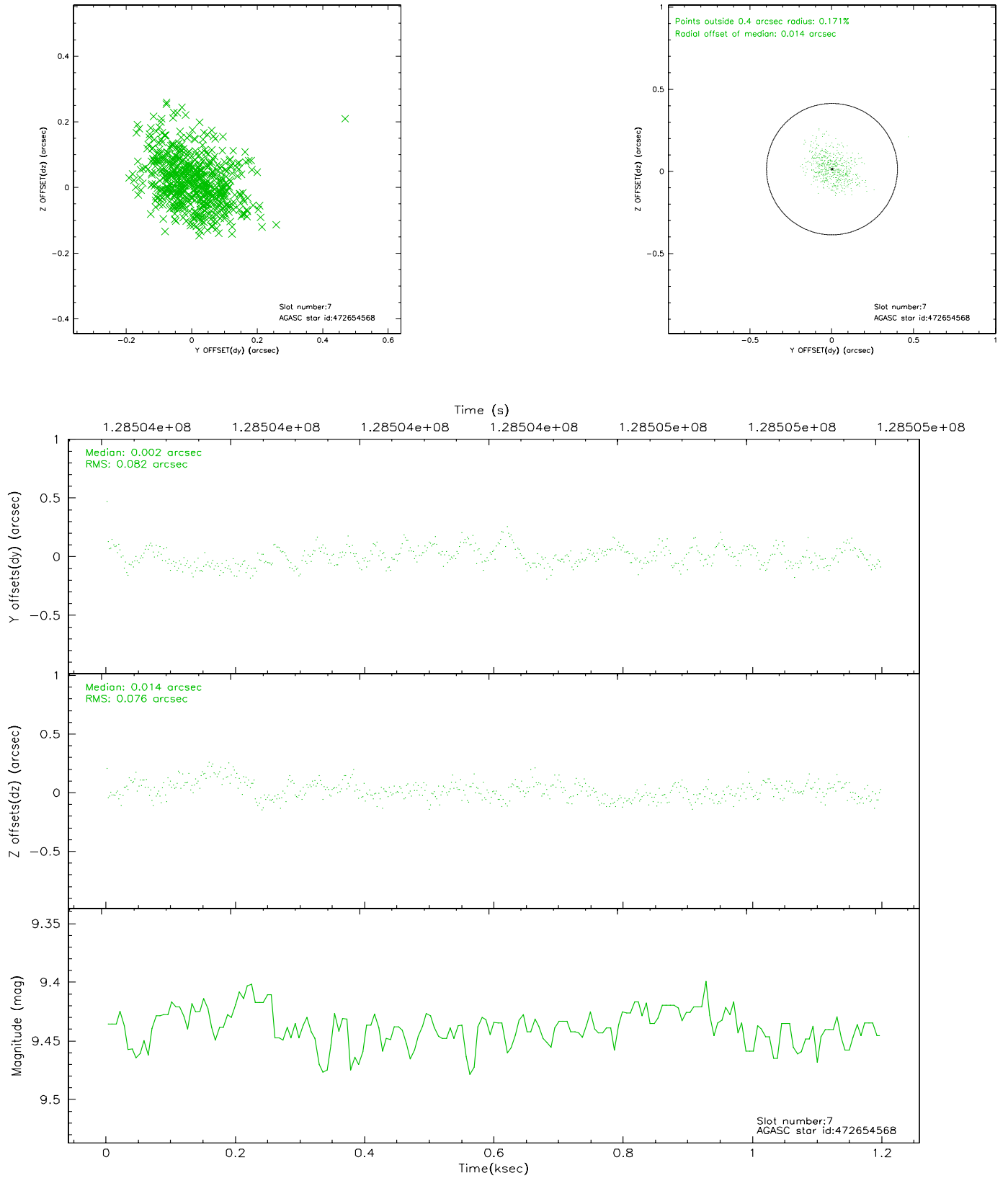
2.4.3 Slot 5



2.4.4 Slot 6

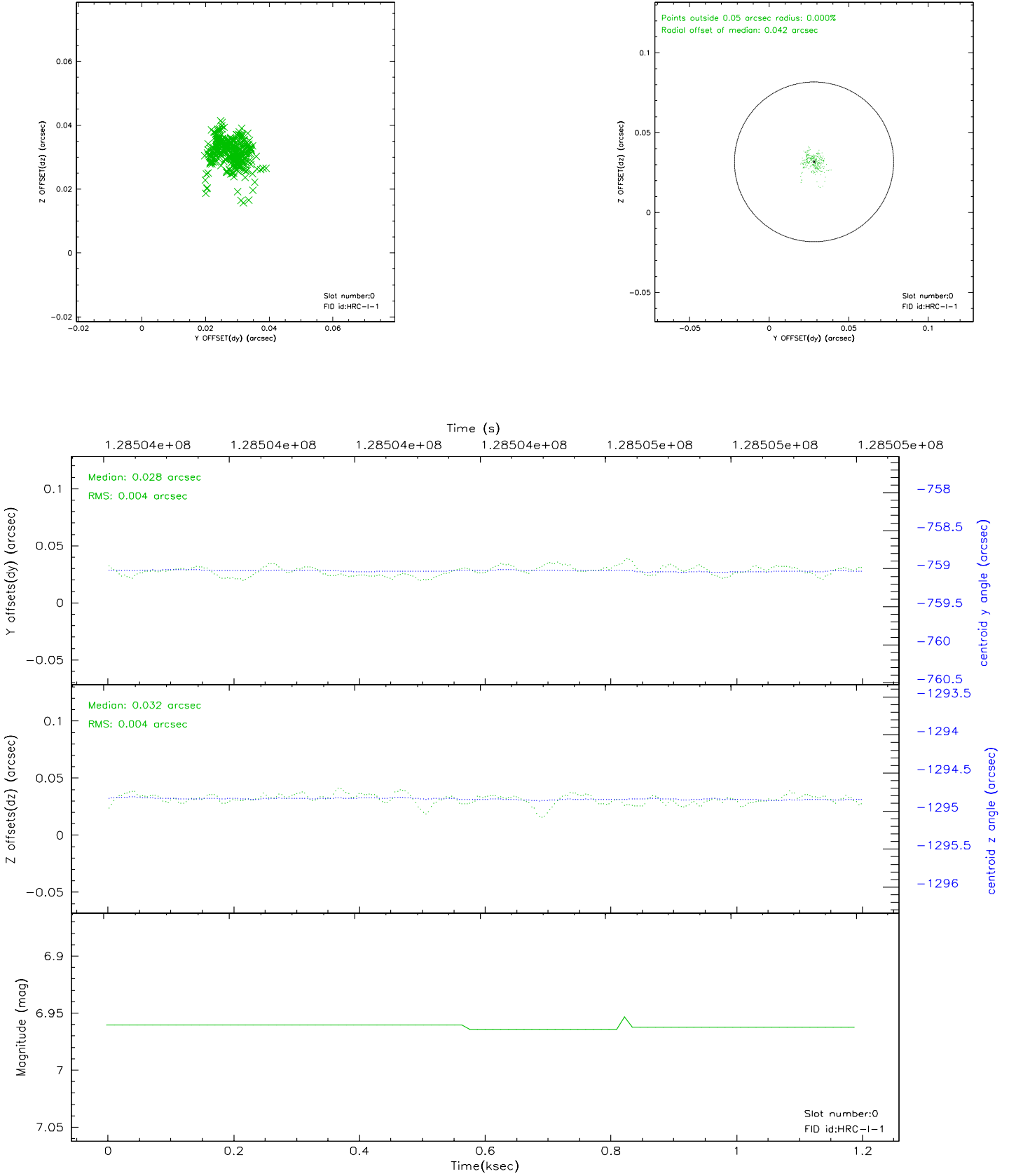


2.4.5 Slot 7

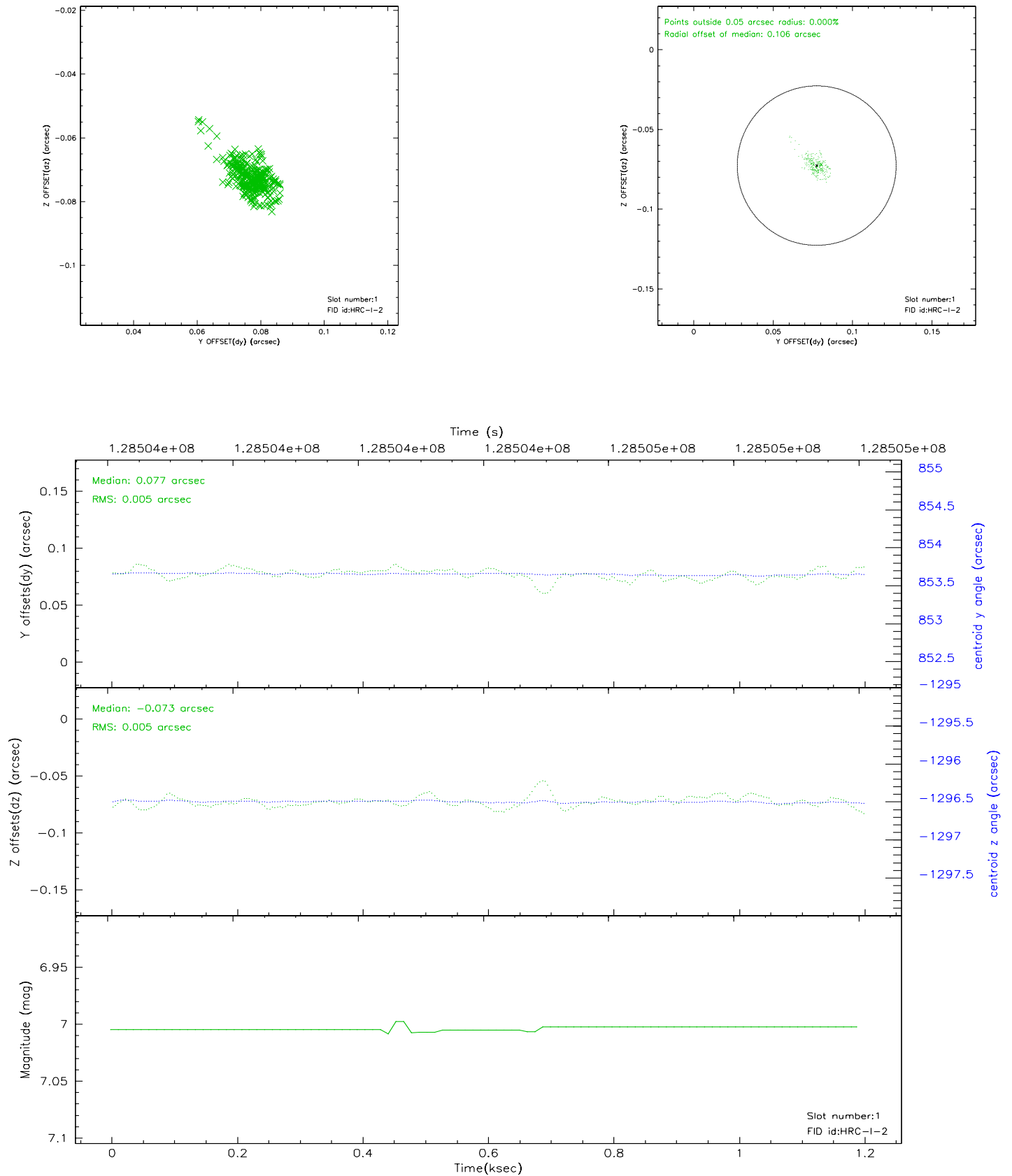


2.5 FID Slots

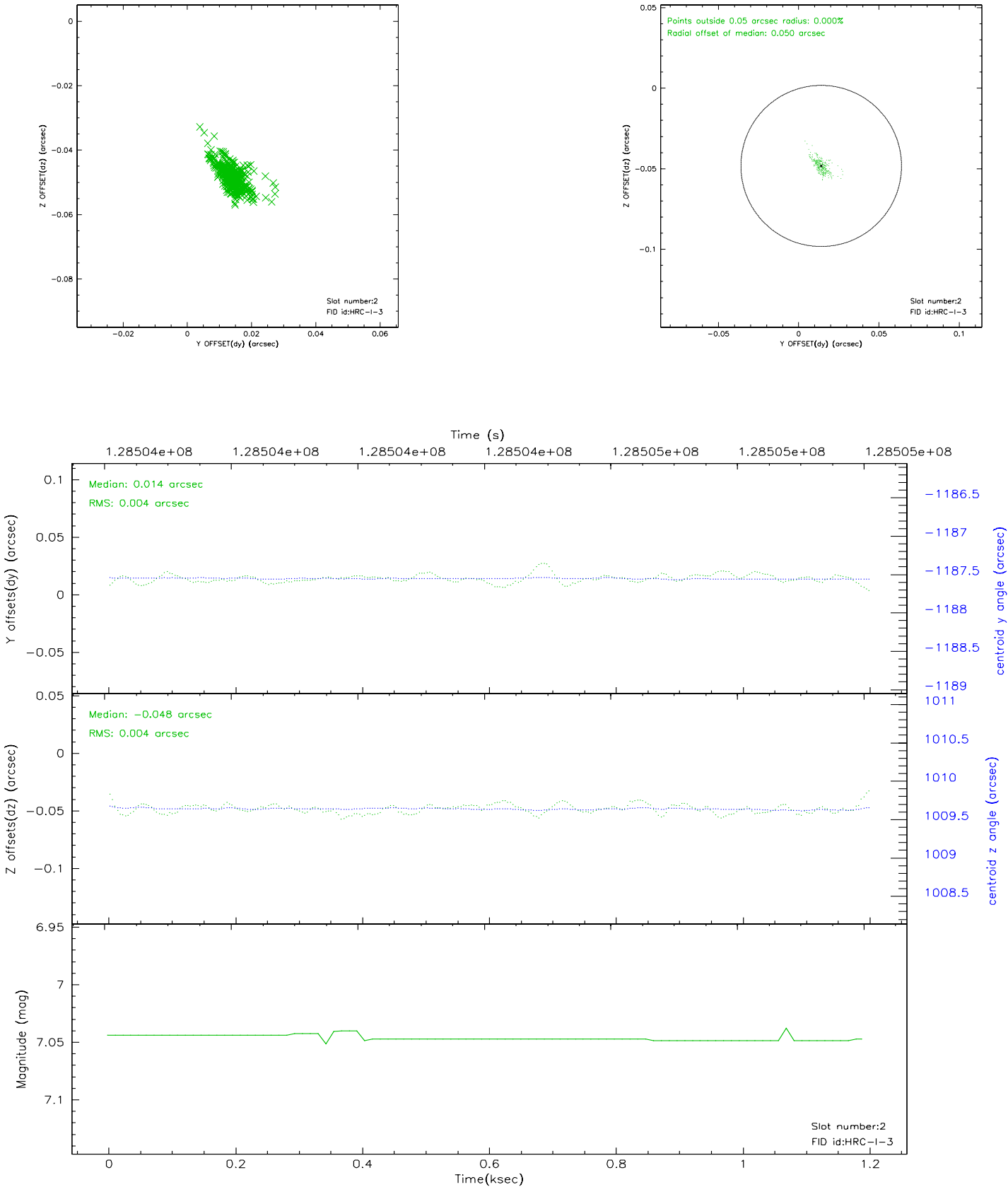
2.5.1 Slot 0



2.5.2 Slot 1

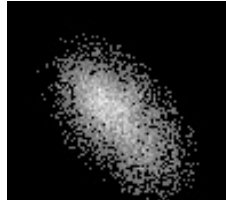


2.5.3 Slot 2



3 Point Sources

2.95 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	1.198

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.