

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5984 - L2 Version 3
Chandra X-Ray Center

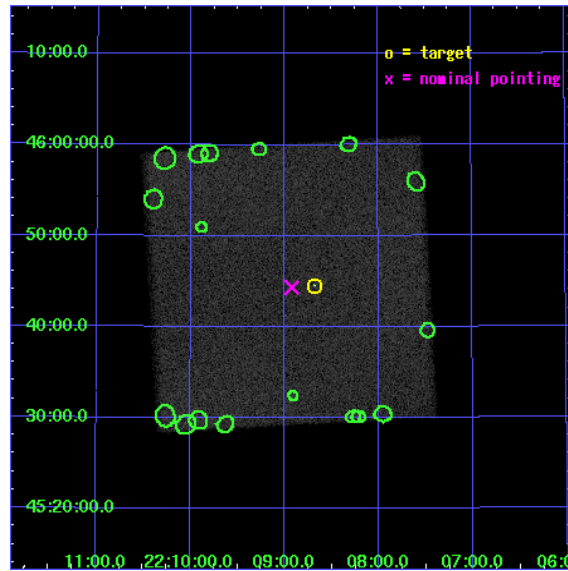
L2 Processing Date : Nov 24 2007

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1 Front

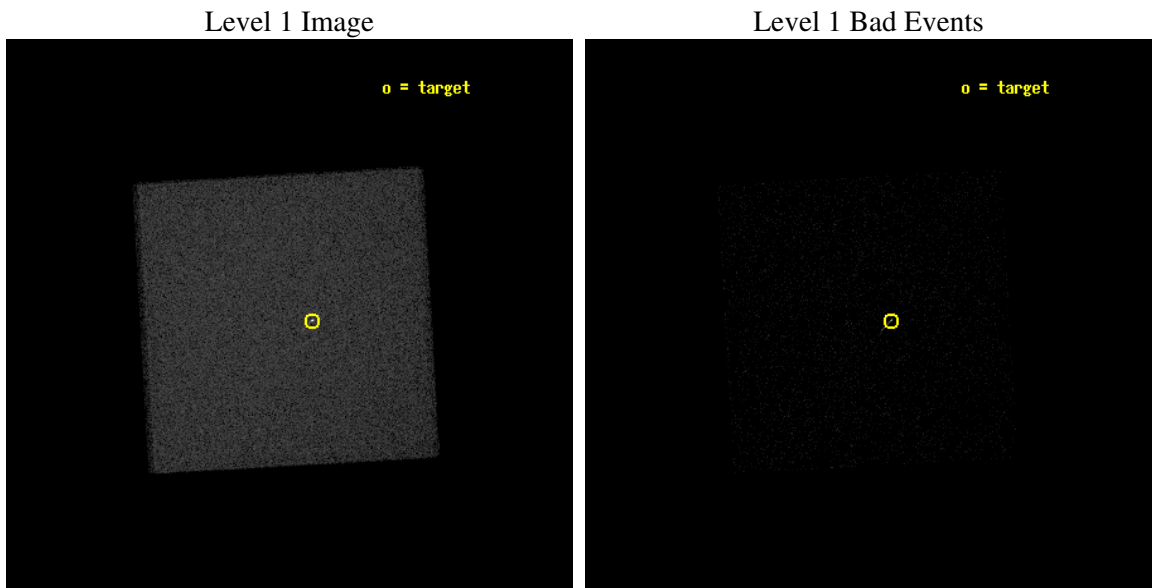
seq_num	290476
obs_id	5984
title	AO6 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.23059926088
dec_nom	45.738880880857
roll_nom	221.71395847988
revision	3
ontime	1182.0813043714
livetime	582.46682638278
l2events	168759



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0
ascdsver	7.6.11.2
caldbver	3.4.1
date	2007-11-24T17:05:06
revision	3

sched_exp_time	1000.000000
ontime	1182.0813043714
l1events	278181

2.1.3 Events

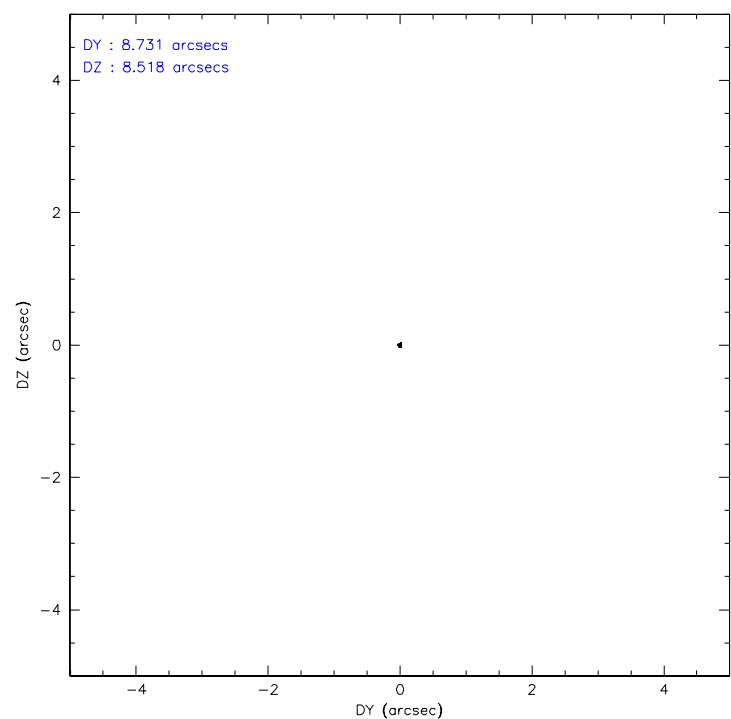
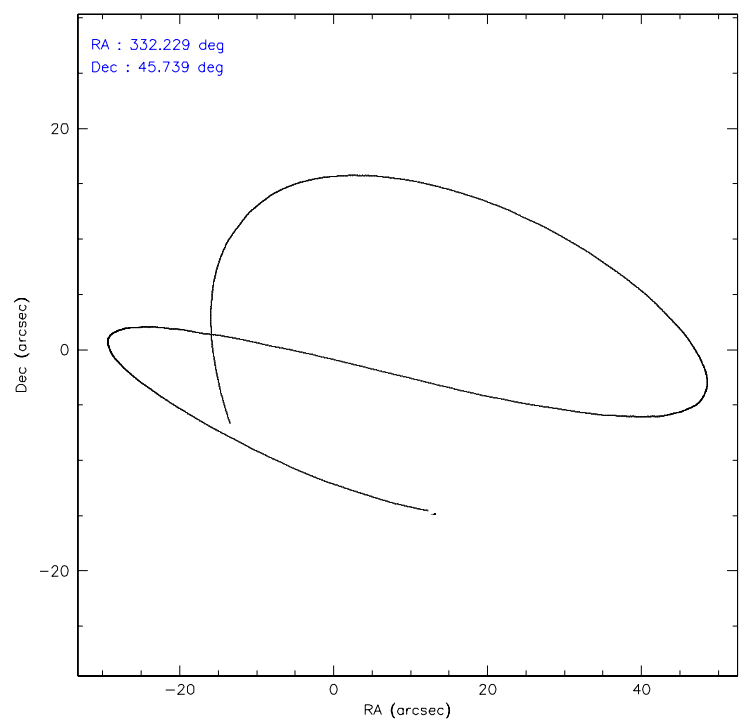
Level 1 Events

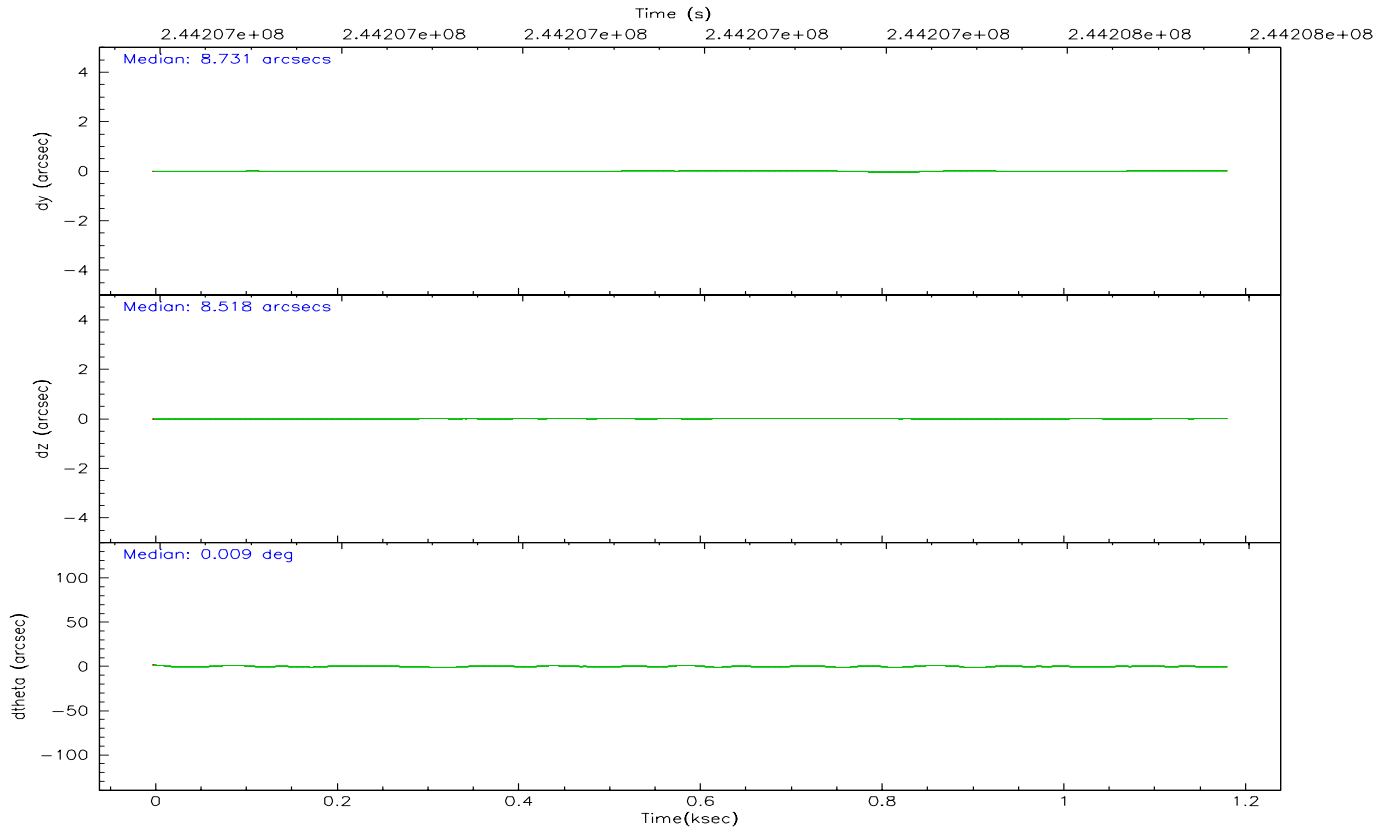
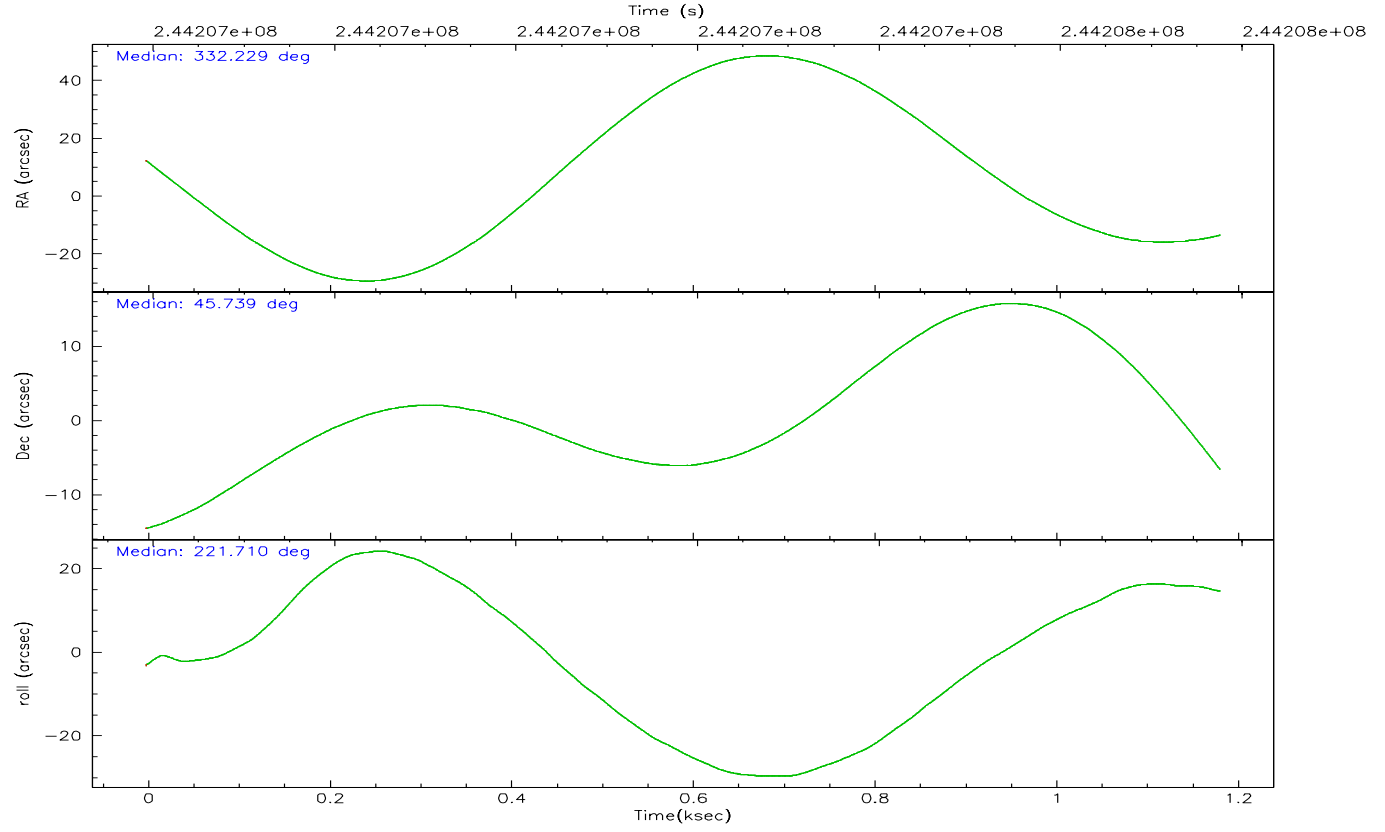
	segment 0
level 1 events	278181
rejected events	60150
rejected %	21%

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	332.243134	332.230599260878			
Pointing Dec	45.764267	45.73888088085697			
Pointing Roll	221.800407	221.7139584798769			
SIM focus pos (mm)	-1.040293	-1.038866356238299			
SIM defocus (mm)	0	0.001426264420575141			
SIM translation stage pos (mm)	126.985494	126.9829799899862			
SIM translation stage offset (mm)	0	0.002508901615314585			
Observation start time	244206772.184000	244206395.93493			
Observation start date	2005-09-27T11:11:48	2005-09-27T11:06:35			
Observation end time	244207772.184000	244207905.76			
Observation end date	2005-09-27T11:28:28	2005-09-27T11:31:45			

2.3 Aspect



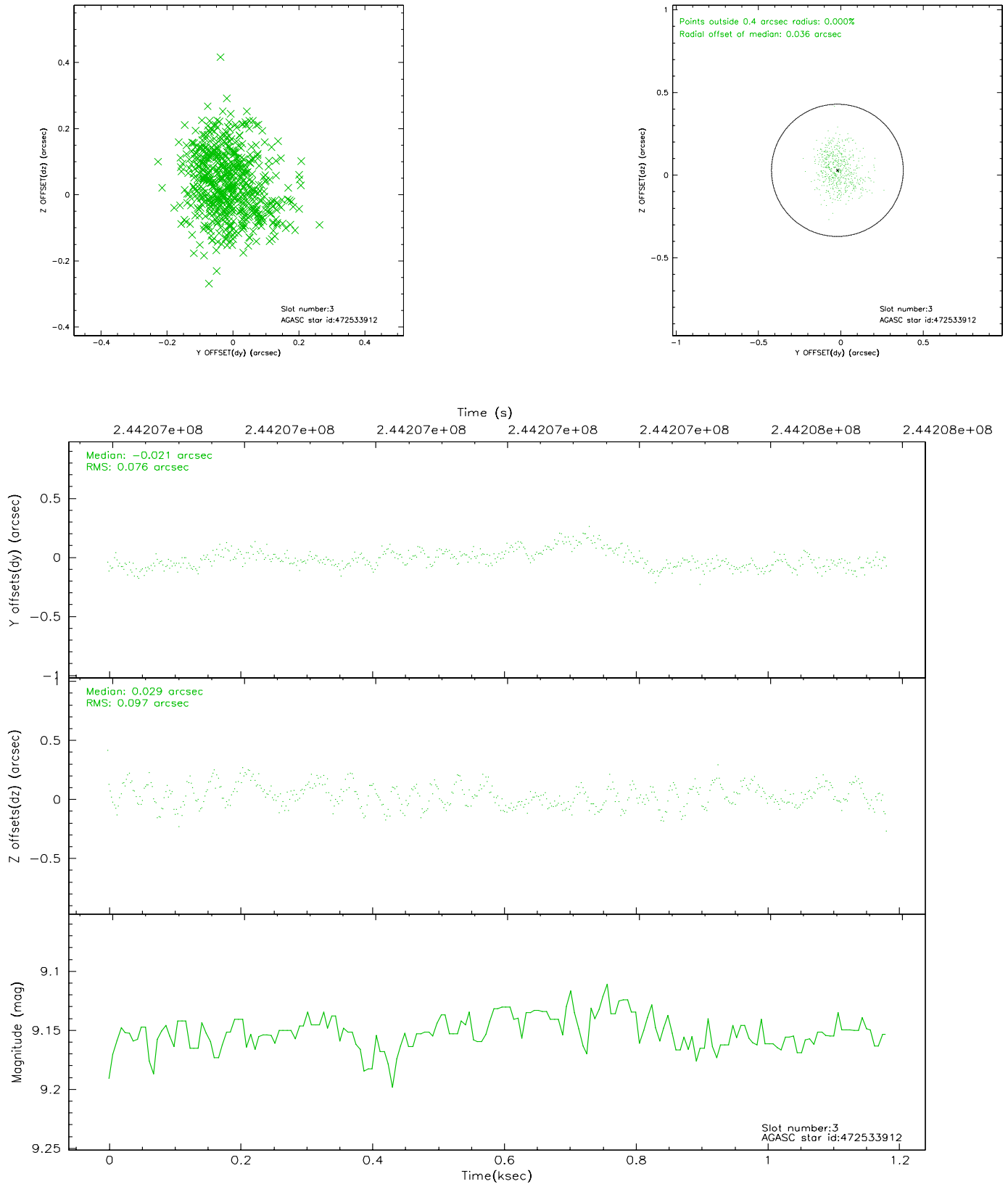


Slot Statistics

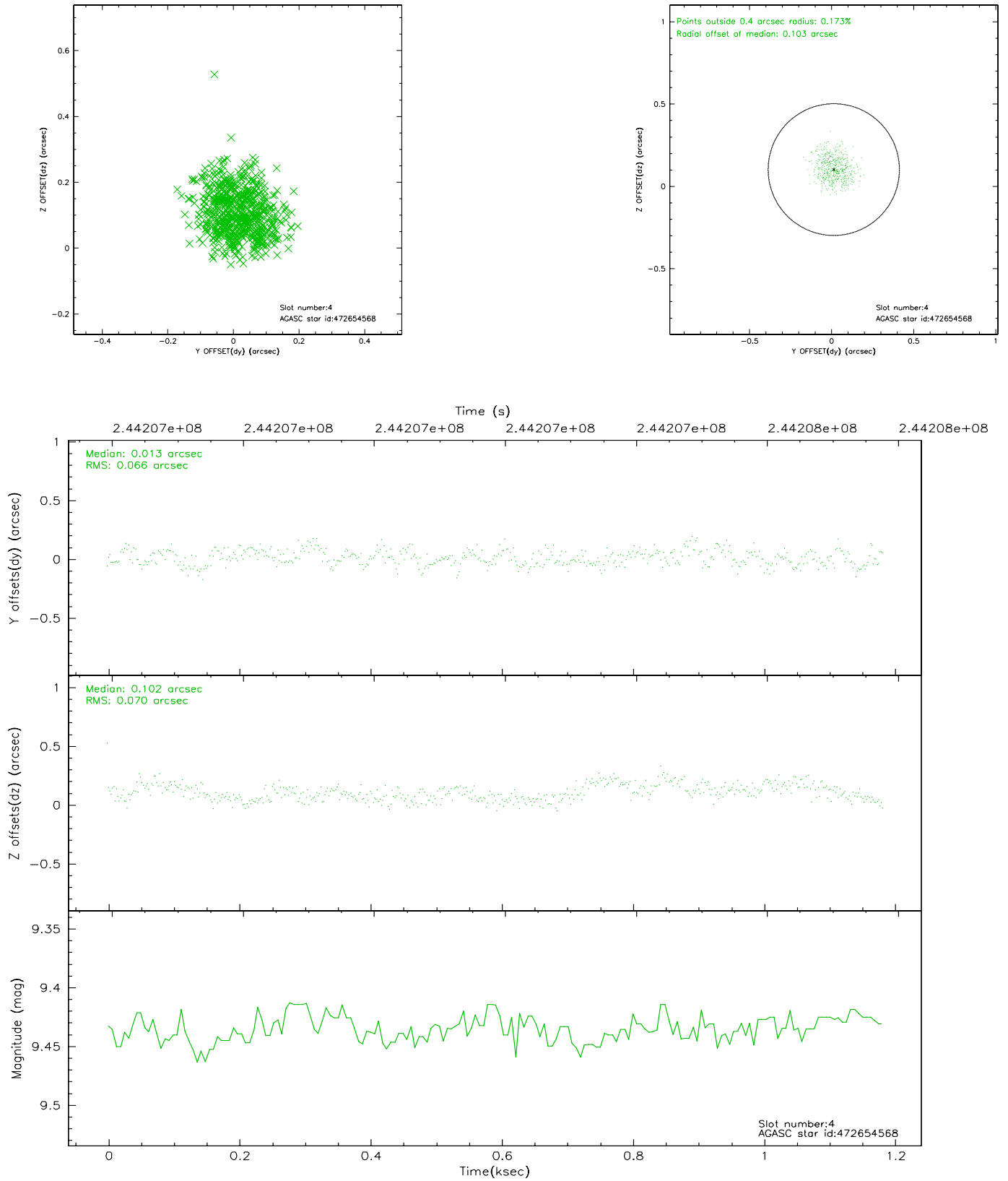
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	7.02	289	0.101	-0.085	0.007	0.011	0.000000	0.000000	848.37	-1298.06
1	FID	HRC-I-3	7.06	289	-0.079	0.037	0.005	0.009	0.000000	0.000000	-1189.99	1003.70
2	FID	HRC-I-4	7.01	289	0.097	-0.040	0.007	0.010	0.000000	0.000000	1274.41	1009.19
3	GUIDE	472533912	9.15	578	-0.021	0.029	0.134	0.208	331.791136	46.368695	-616.03	-2369.15
4	GUIDE	472654568	9.43	578	0.013	0.102	0.104	0.161	332.194449	45.063576	1771.74	1797.83
5	GUIDE	472655152	9.42	578	0.015	-0.131	0.124	0.193	332.504239	45.862991	-723.22	177.30
6	GUIDE	472665256	9.01	578	0.062	0.073	0.100	0.161	332.808125	46.195041	-2088.43	-217.39
7	GUIDE	472649352	9.78	573	-0.066	-0.074	0.139	0.249	332.034169	45.325407	1442.50	828.15

2.4 Star Slots

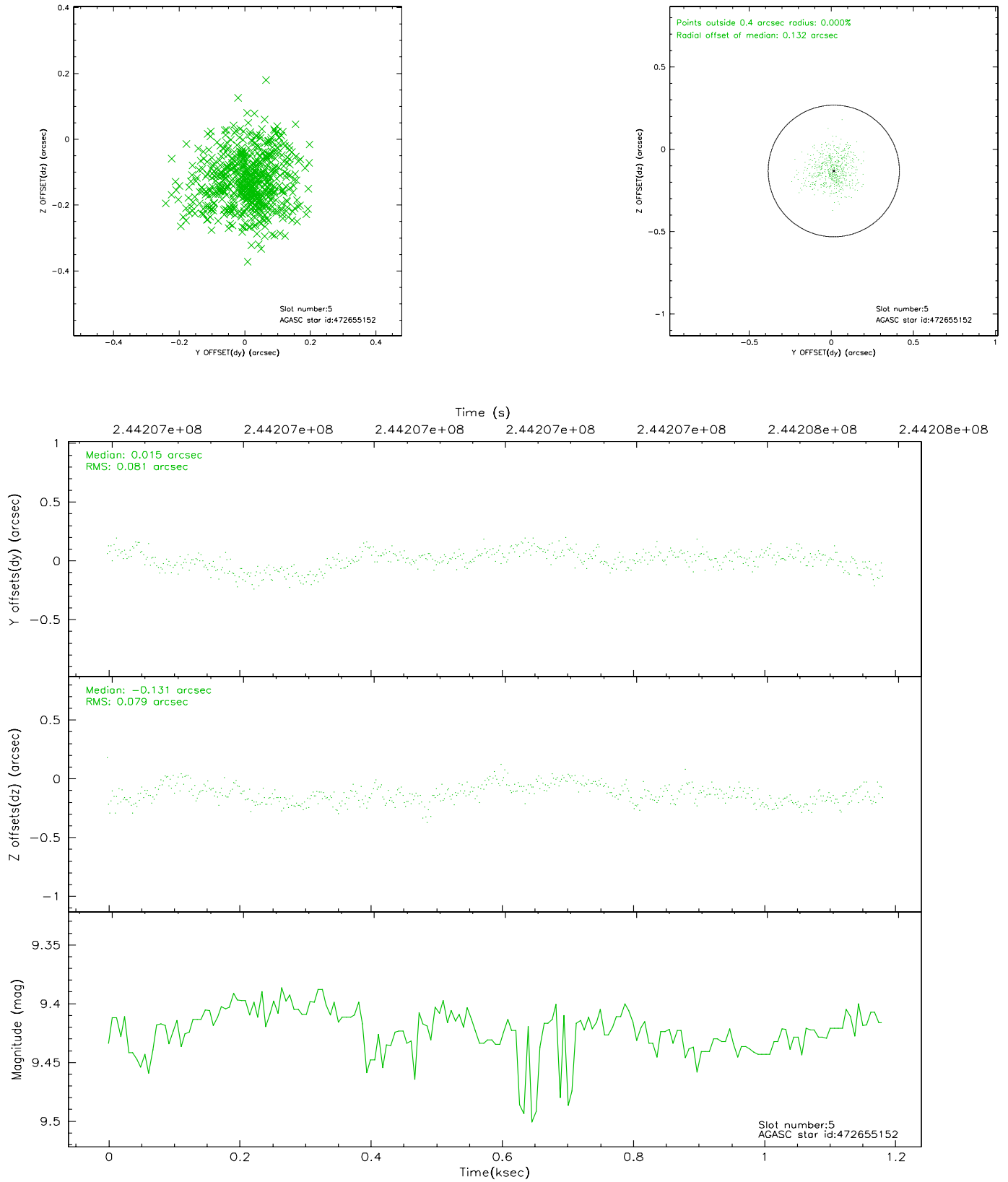
2.4.1 Slot 3



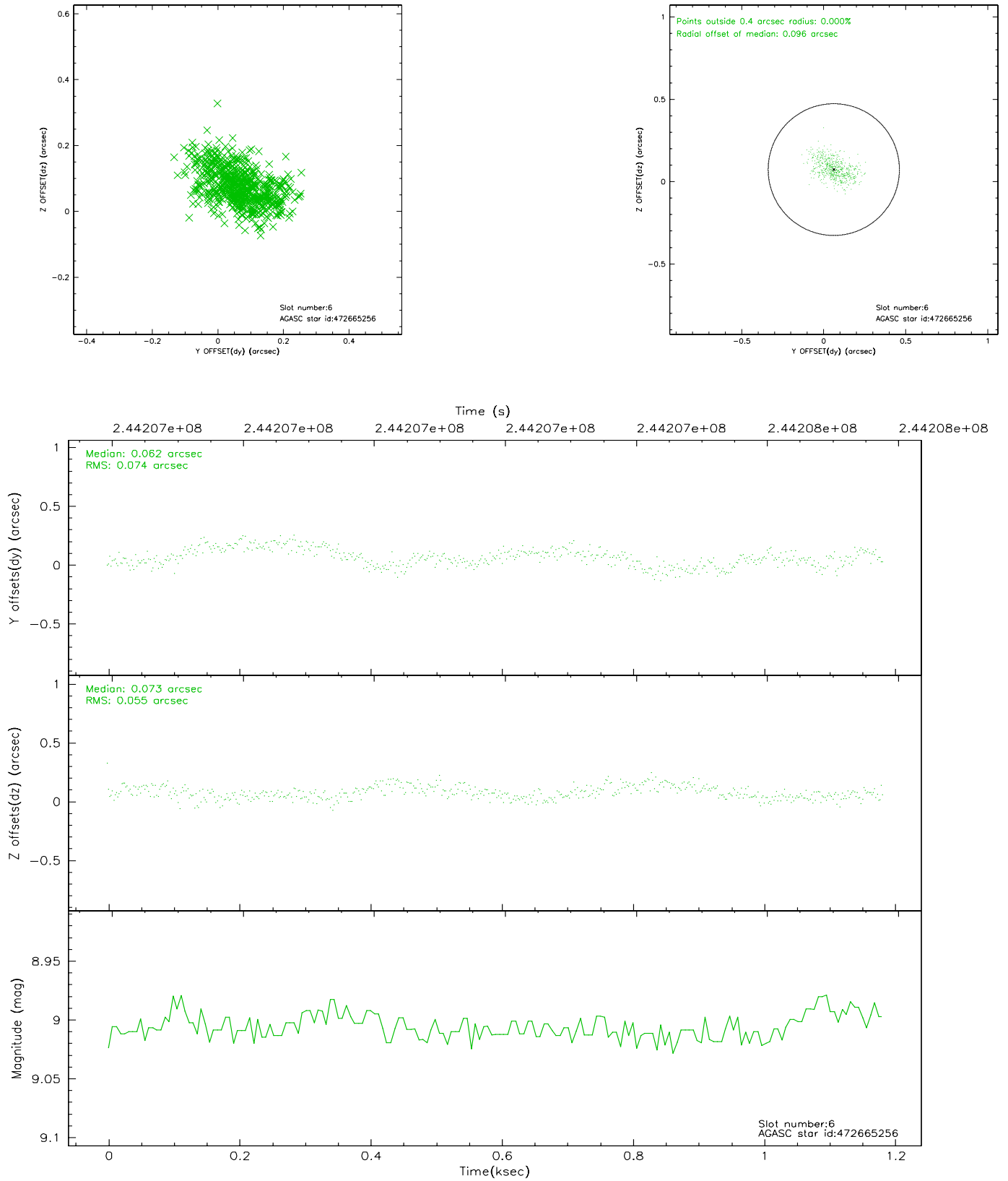
2.4.2 Slot 4



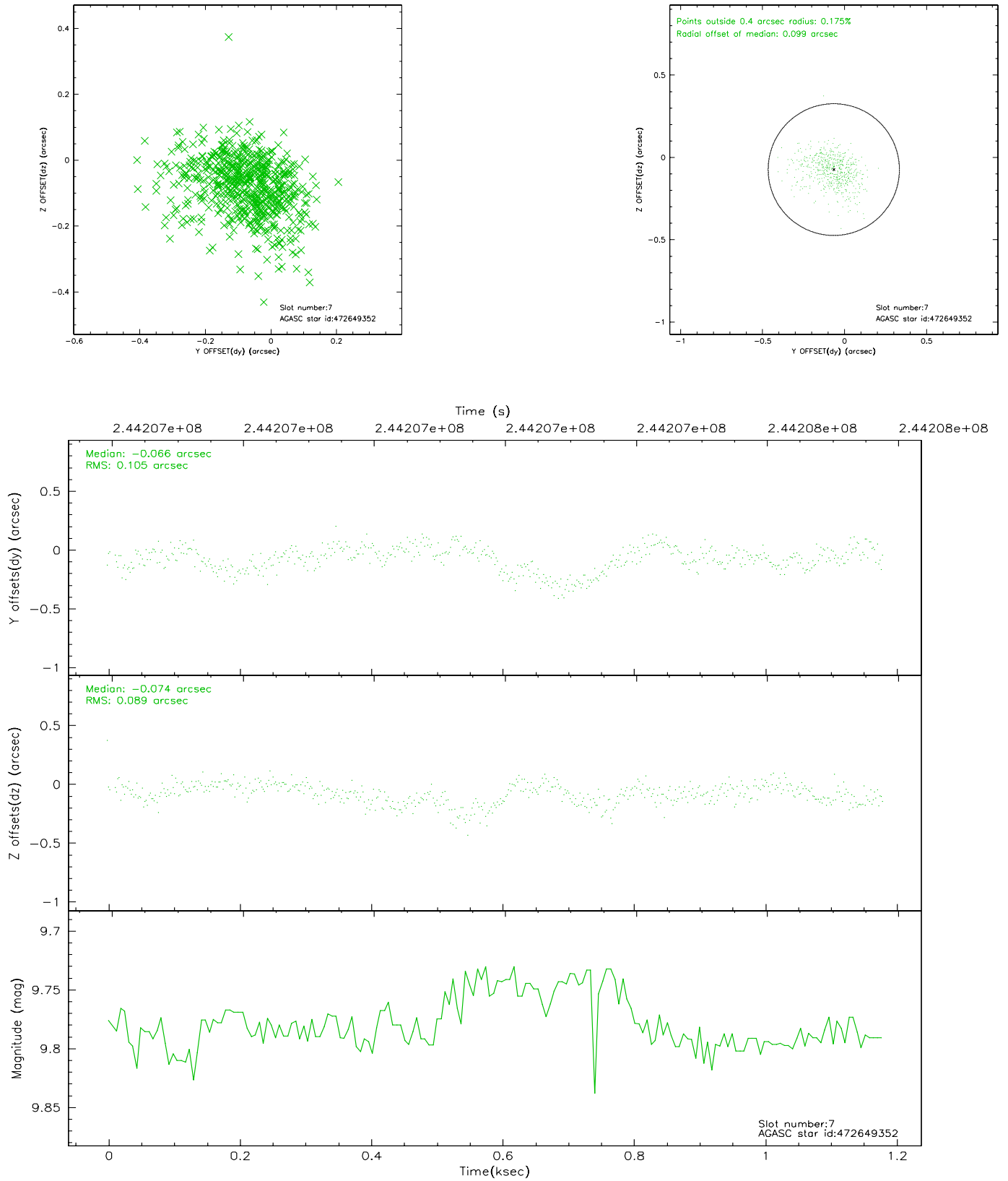
2.4.3 Slot 5



2.4.4 Slot 6

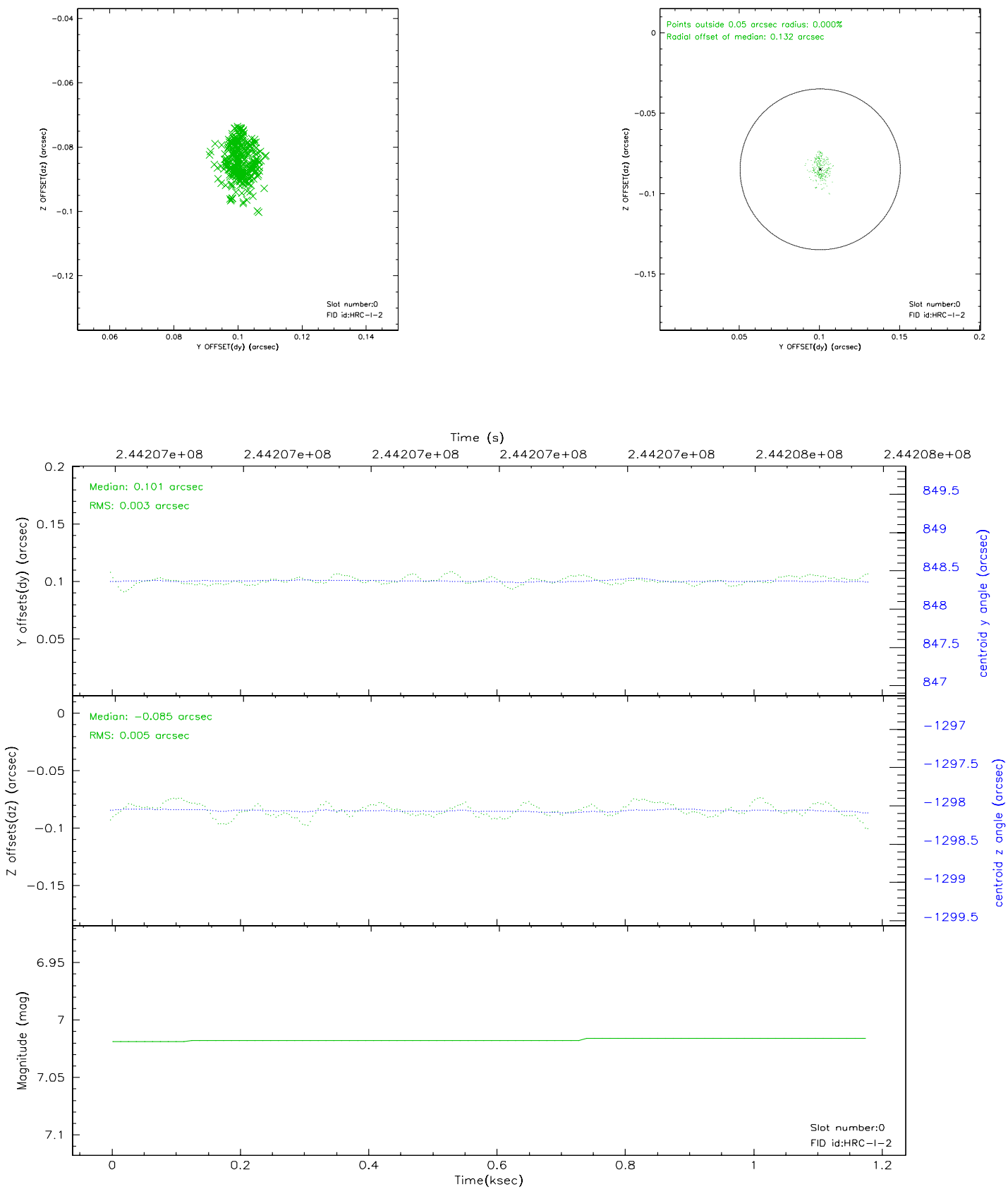


2.4.5 Slot 7

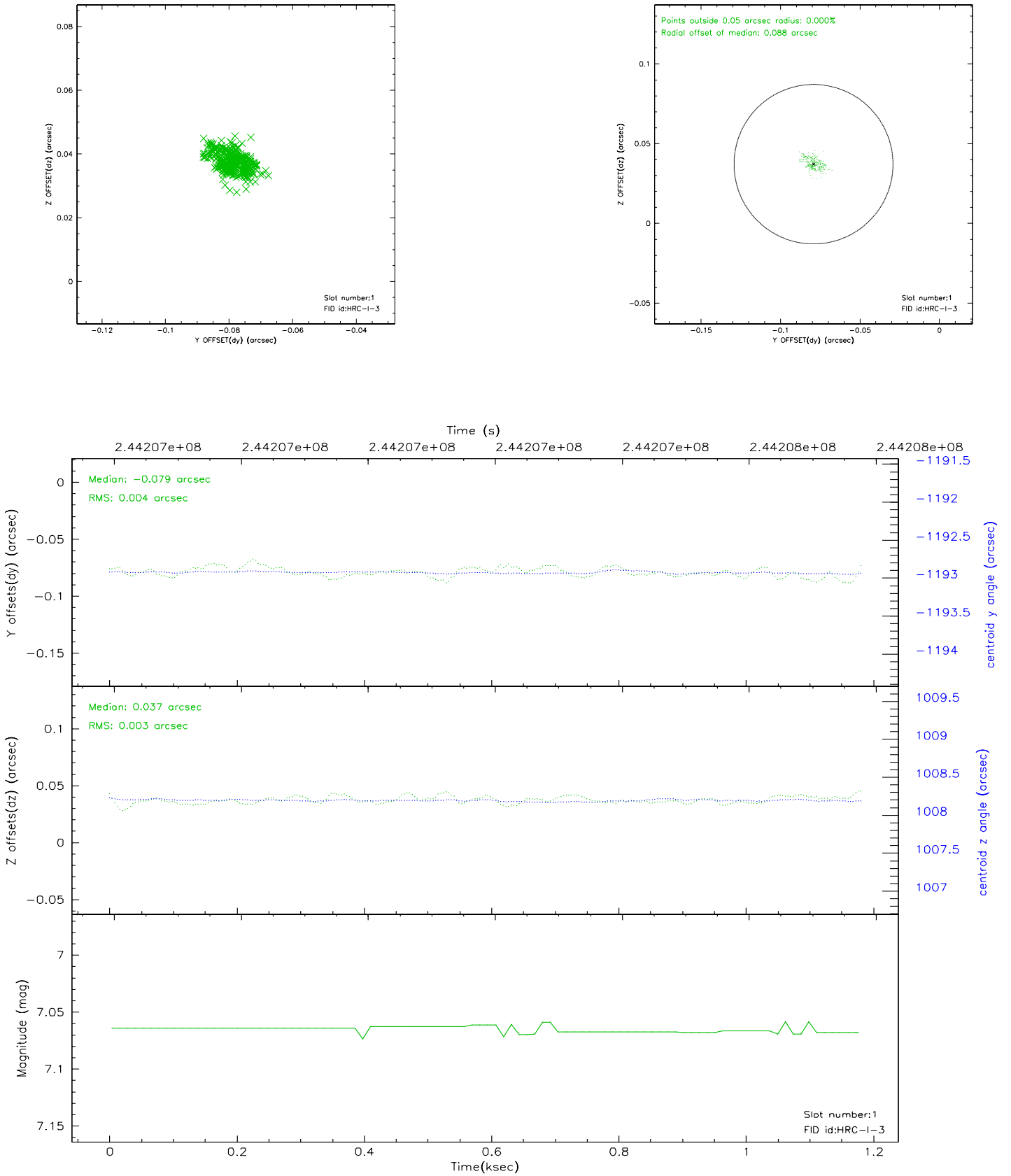


2.5 FID Slots

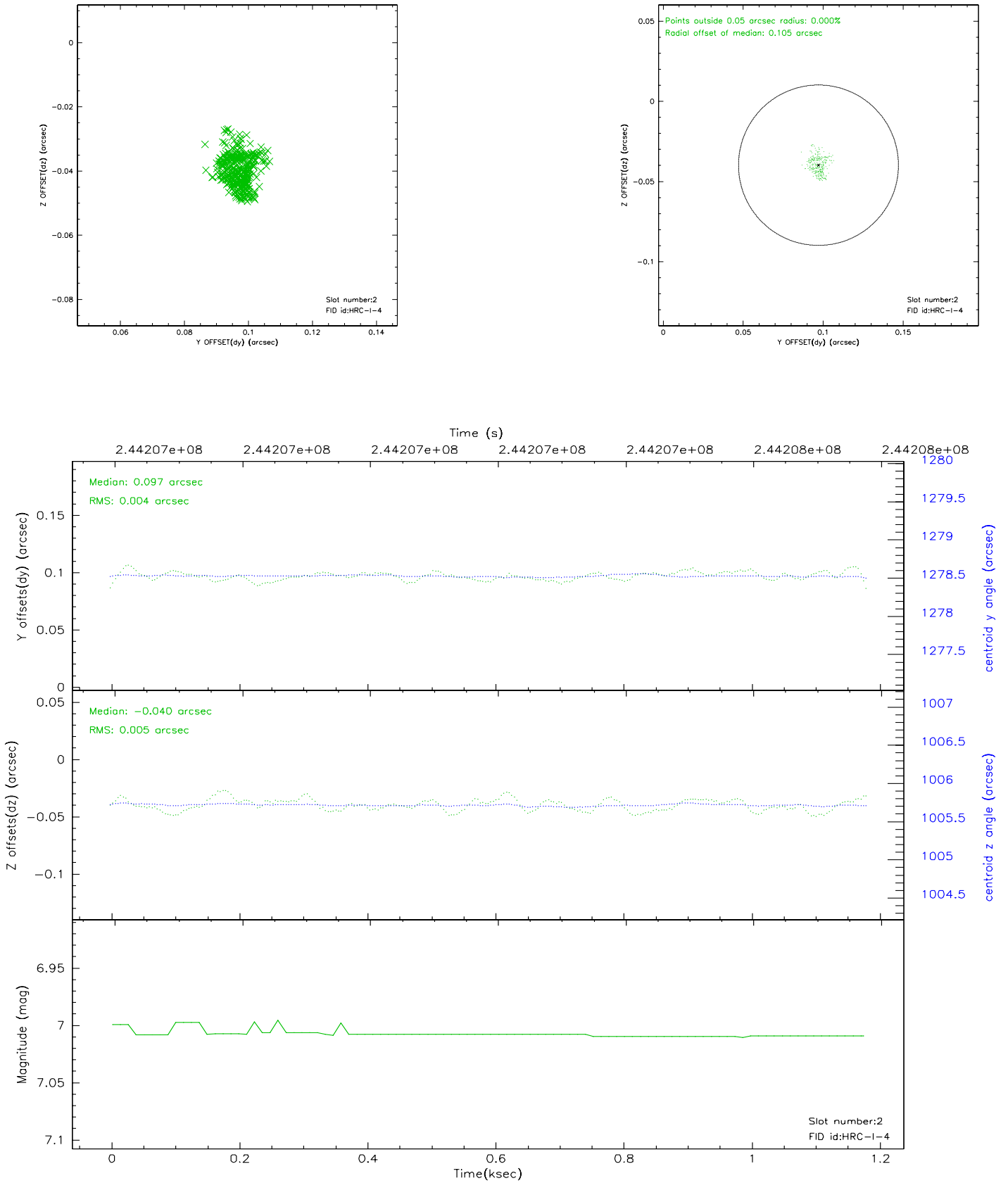
2.5.1 Slot 0



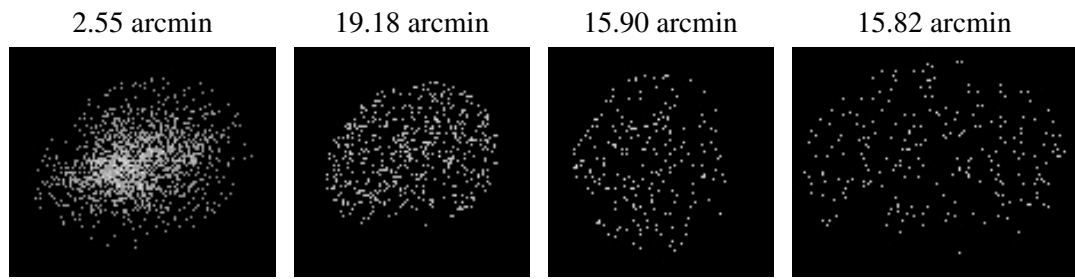
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.12.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.182081

A.2 Comments

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.