

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5060 - L2 Version 3
Chandra X-Ray Center

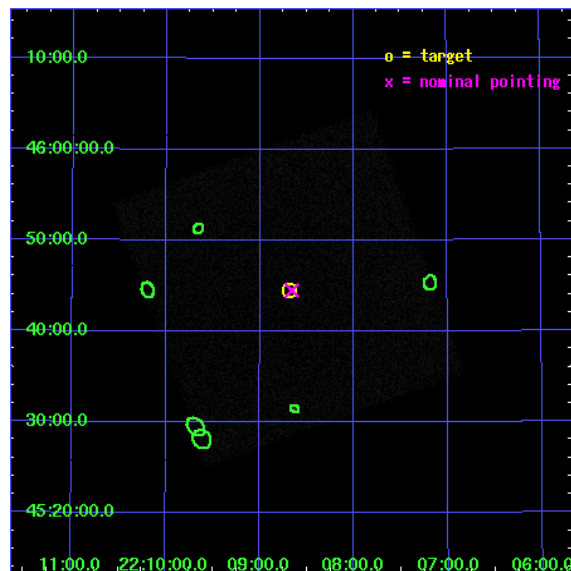
L2 Processing Date : Nov 23 2007

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1 Front

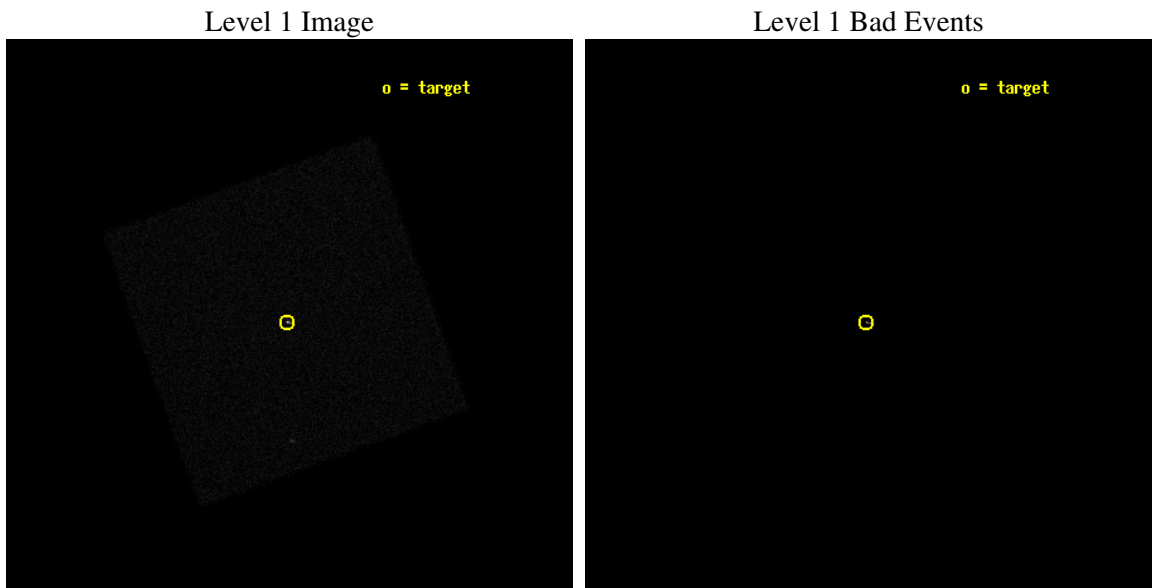
seq_num	290333
obs_id	5060
title	AO5 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.16465855839
dec_nom	45.74177116416
roll_nom	205.2194959848
revision	3
ontime	1147.2313012183
livetime	1136.3590556618
l2events	70424



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	2007-11-24T00:16:24
revision	3

sched_exp_time	1000.000000
ontime	1147.2313012183
l1events	212258

2.1.3 Events

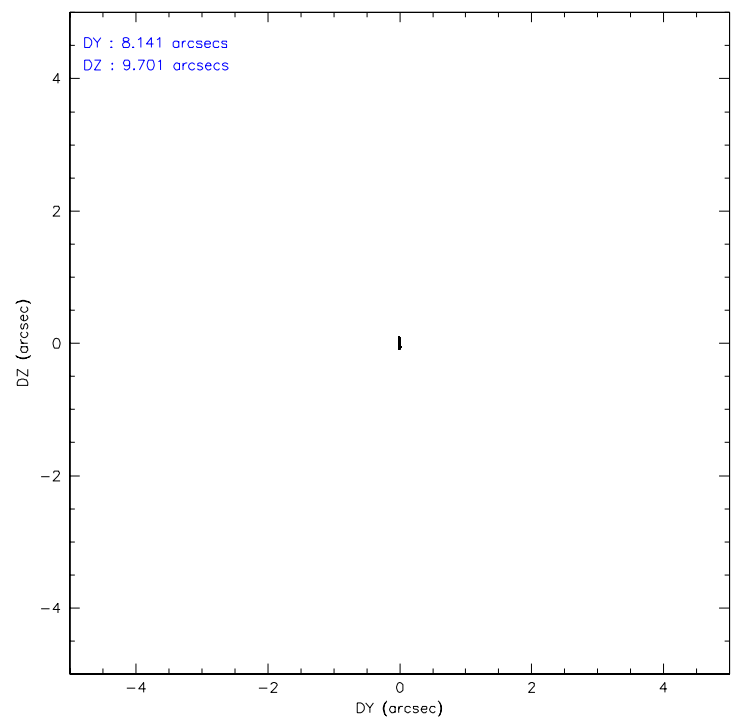
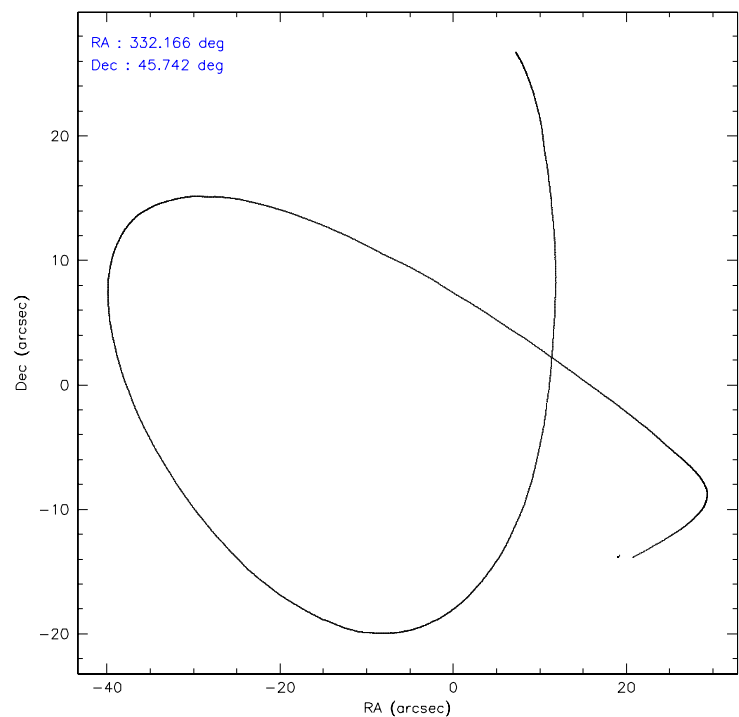
Level 1 Events

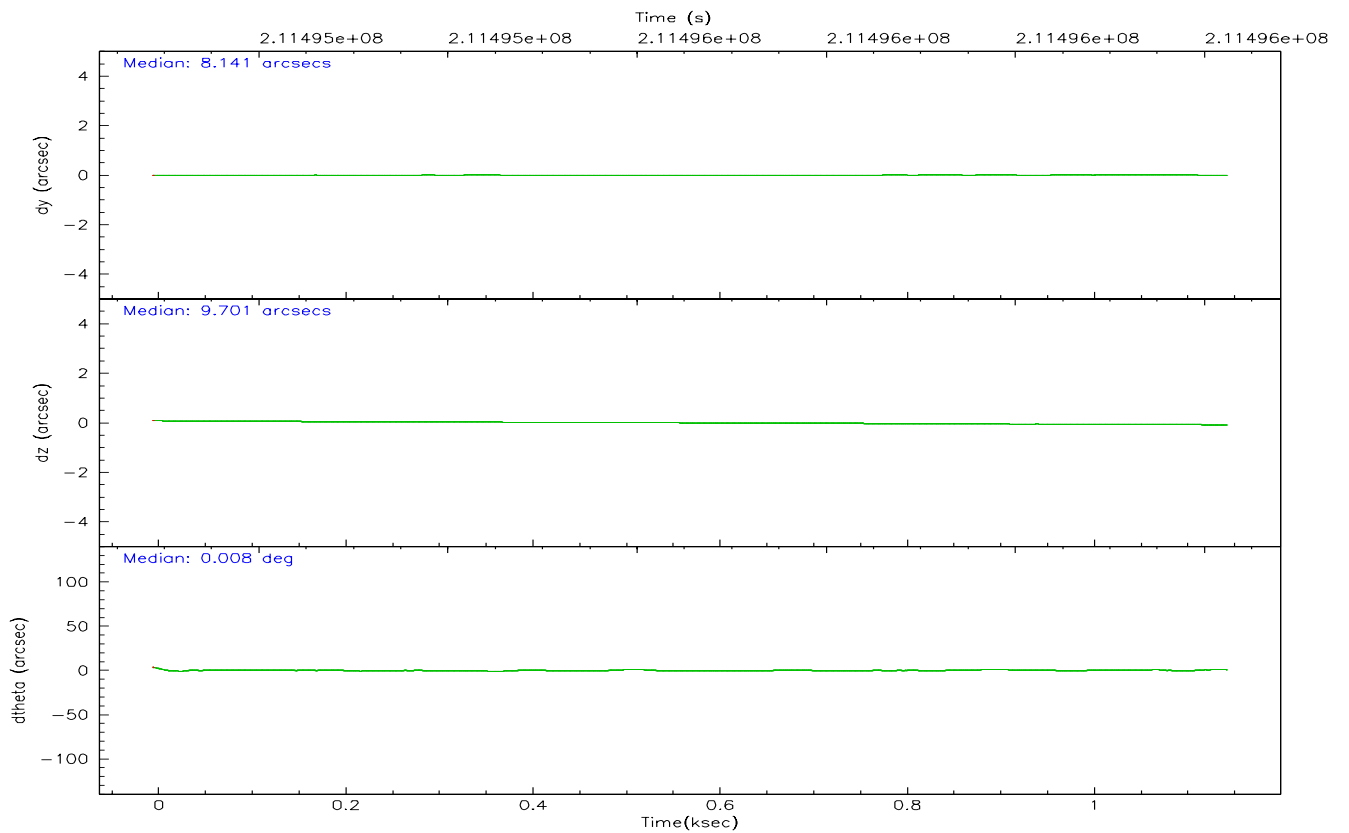
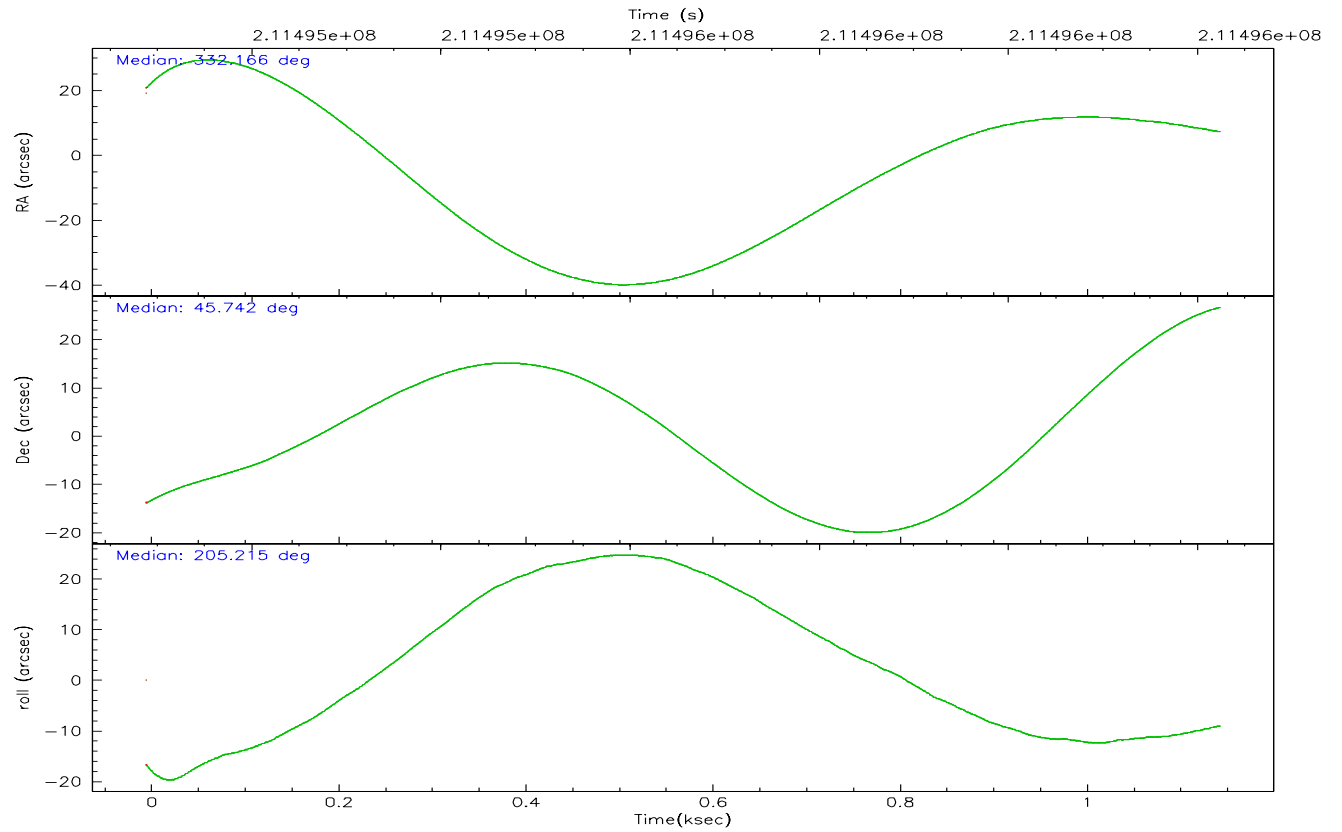
	segment 0
level 1 events	212258
rejected events	106597
rejected %	50%

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	332.185454	332.1646585583917			
Pointing Dec	45.764739	45.74177116416042			
Pointing Roll	205.300100	205.2194959848013			
Window start time	210384064.184000	210384064.184000			
Window stop time	212889664.184000	212889664.184000			
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	211495229.184000	211493998.12656			
Observation start date	2004-09-13T20:39:25	2004-09-13T20:19:58			
Observation end time	211496229.184000	211496380.22666			
Observation end date	2004-09-13T20:56:05	2004-09-13T20:59:40			

2.3 Aspect



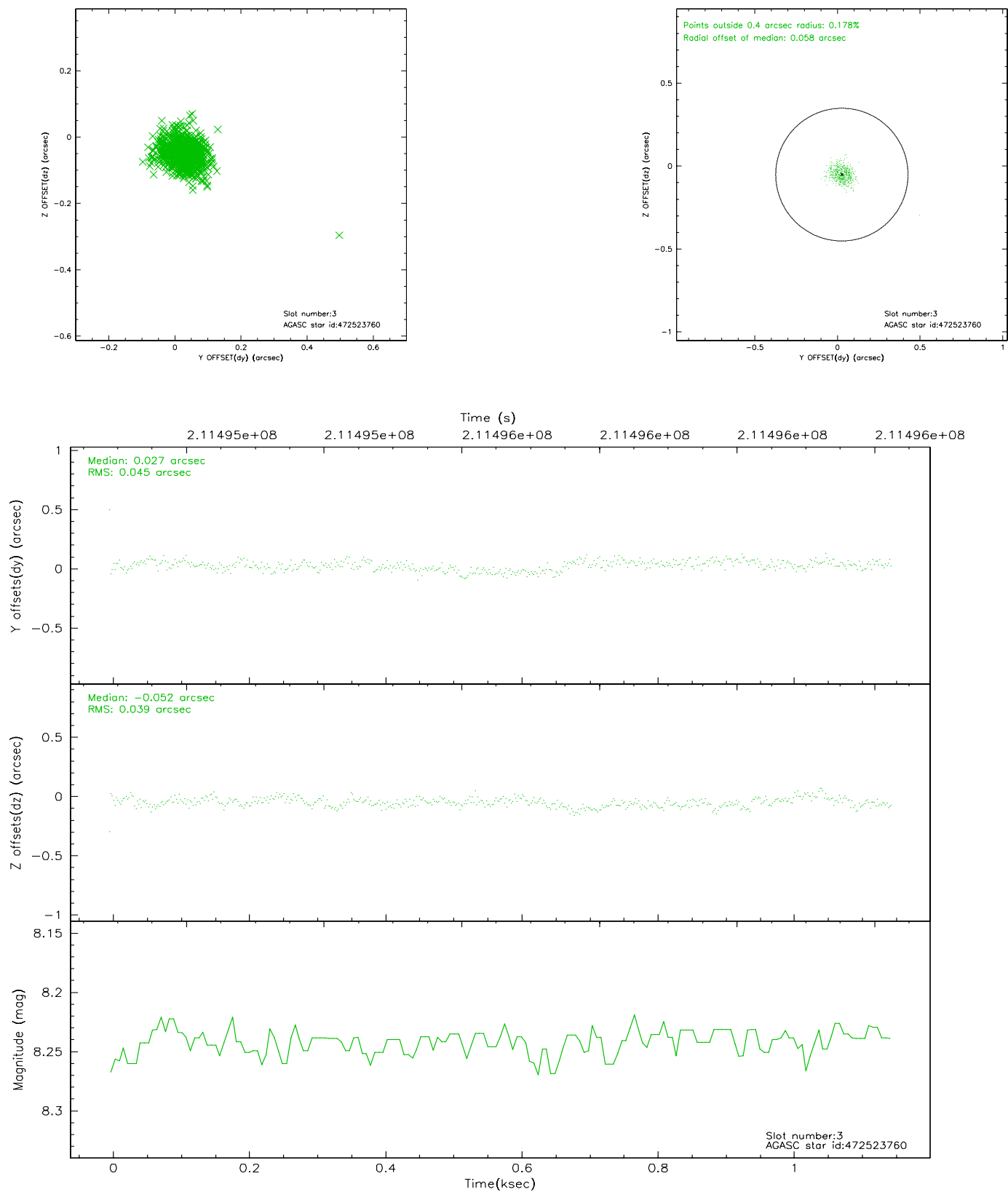


Slot Statistics

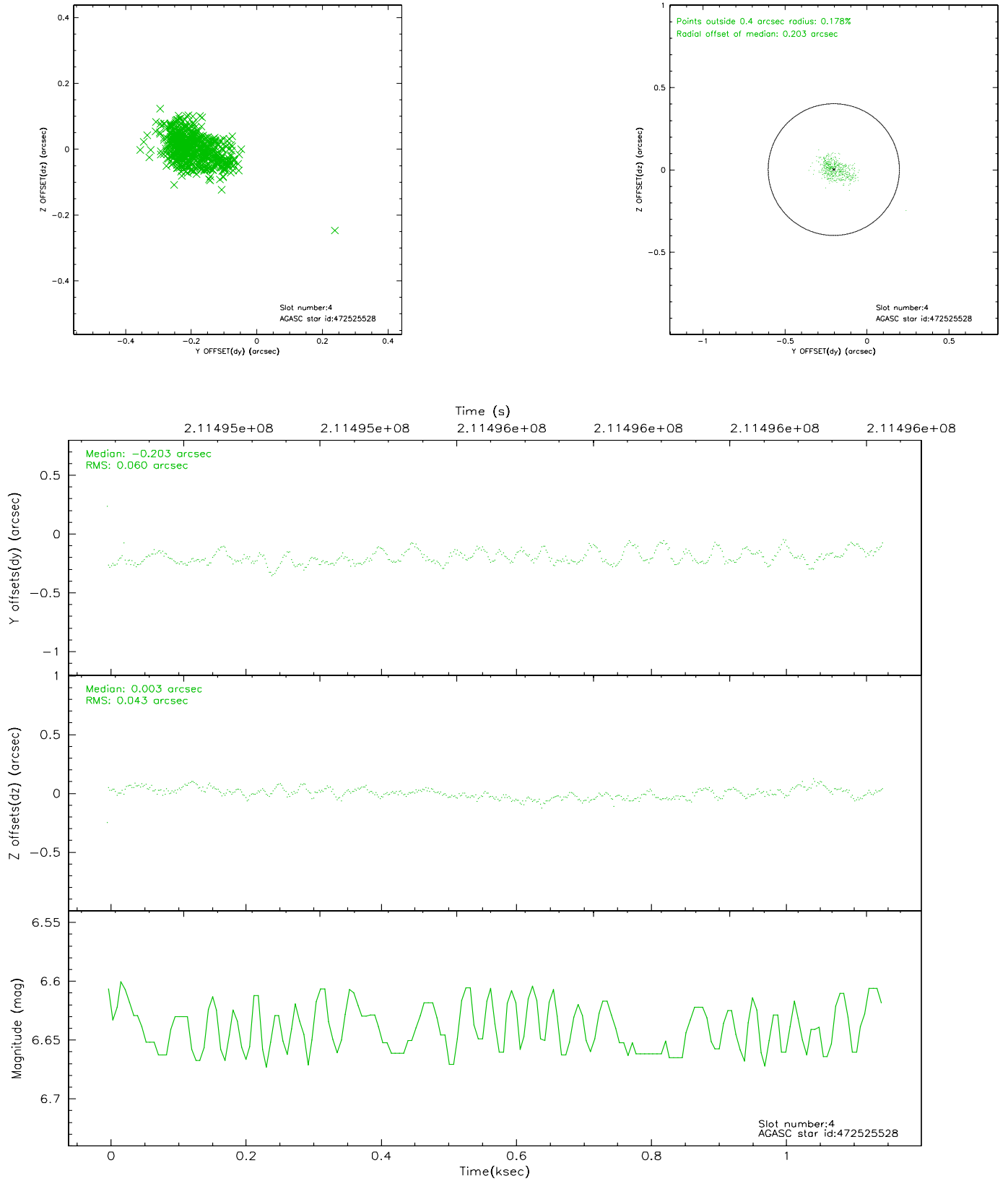
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.04	281	-0.037	0.033	0.006	0.012	0.000000	0.000000	-763.79	-1297.60
1	FID	HRC-I-2	7.08	281	0.156	-0.089	0.006	0.010	0.000000	0.000000	846.32	-1303.90
2	FID	HRC-I-3	7.14	280	0.000	-0.034	0.006	0.010	0.000000	0.000000	-1189.22	1002.24
3	GUIDE	472523760	8.24	561	0.027	-0.052	0.058	0.096	331.645363	45.403260	1789.47	587.38
4	GUIDE	472525528	6.64	561	-0.203	0.003	0.074	0.126	331.551102	45.248694	2248.78	986.31
5	GUIDE	472659832	9.46	560	0.036	0.099	0.106	0.199	332.780399	46.098139	-1852.85	-455.33
6	GUIDE	472533912	9.17	561	0.099	0.014	0.114	0.188	331.791136	46.368695	-46.62	-2388.94
7	GUIDE	472654568	9.43	560	0.035	-0.054	0.123	0.192	332.194449	45.063576	1058.92	2285.93

2.4 Star Slots

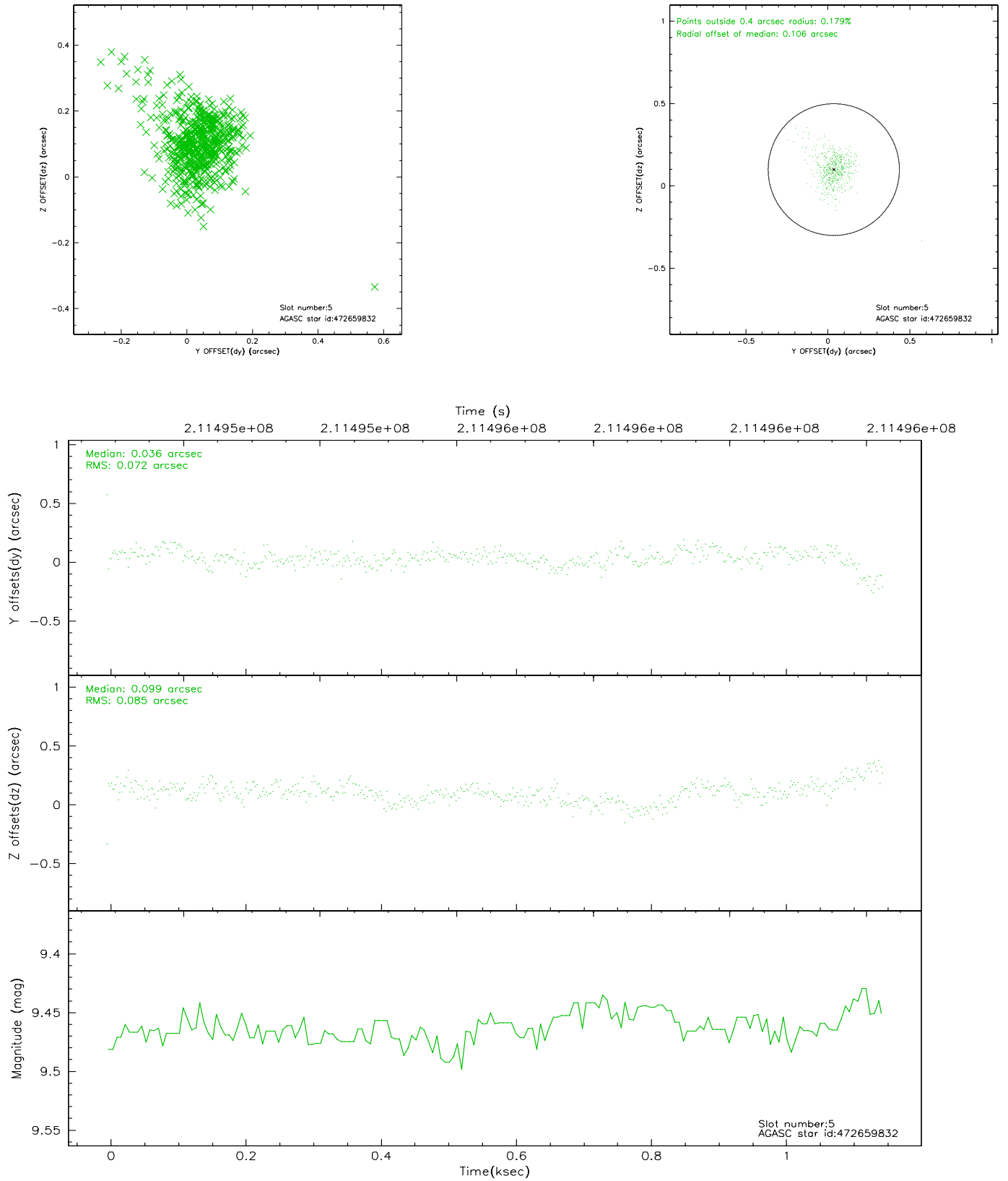
2.4.1 Slot 3



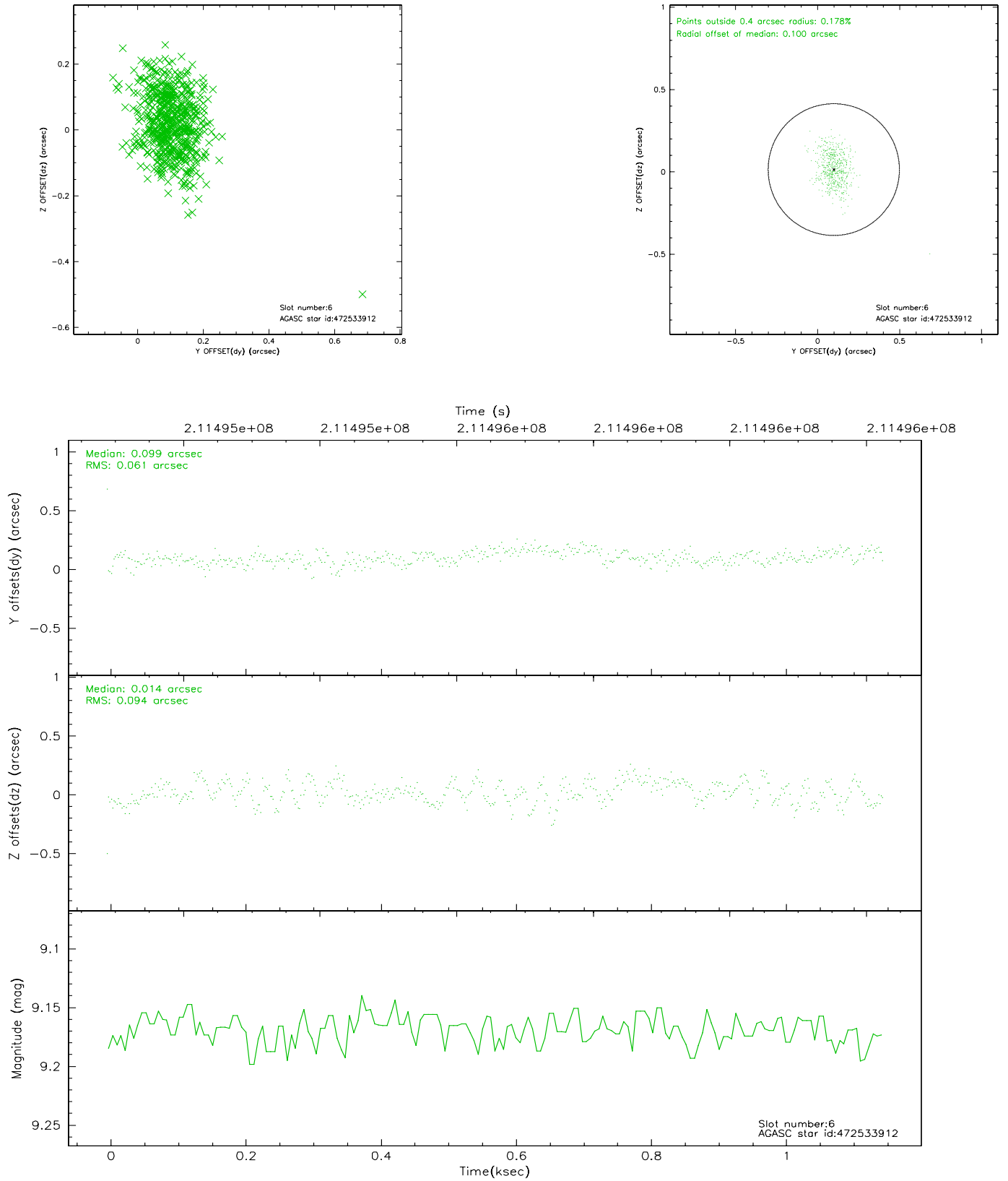
2.4.2 Slot 4



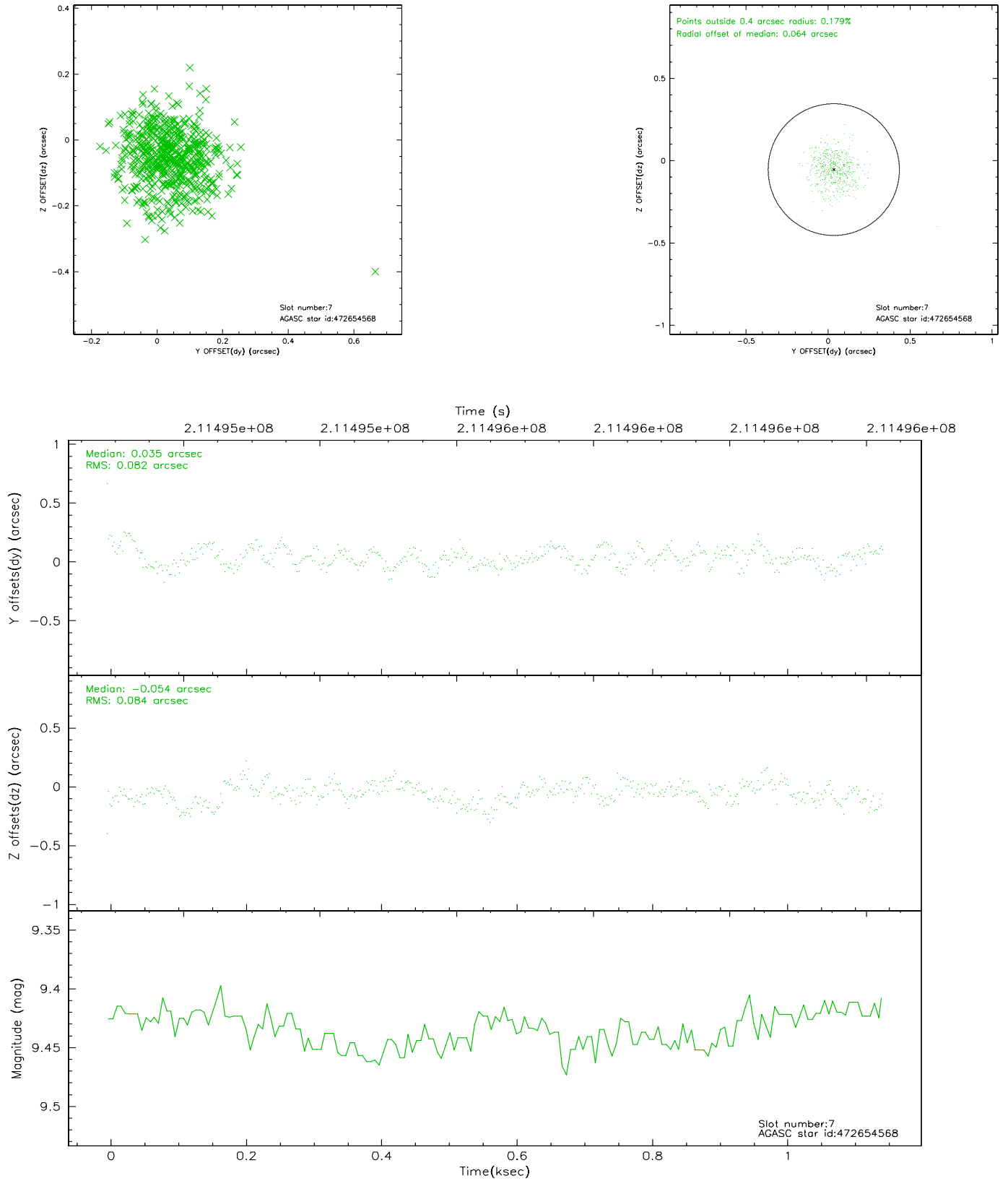
2.4.3 Slot 5



2.4.4 Slot 6

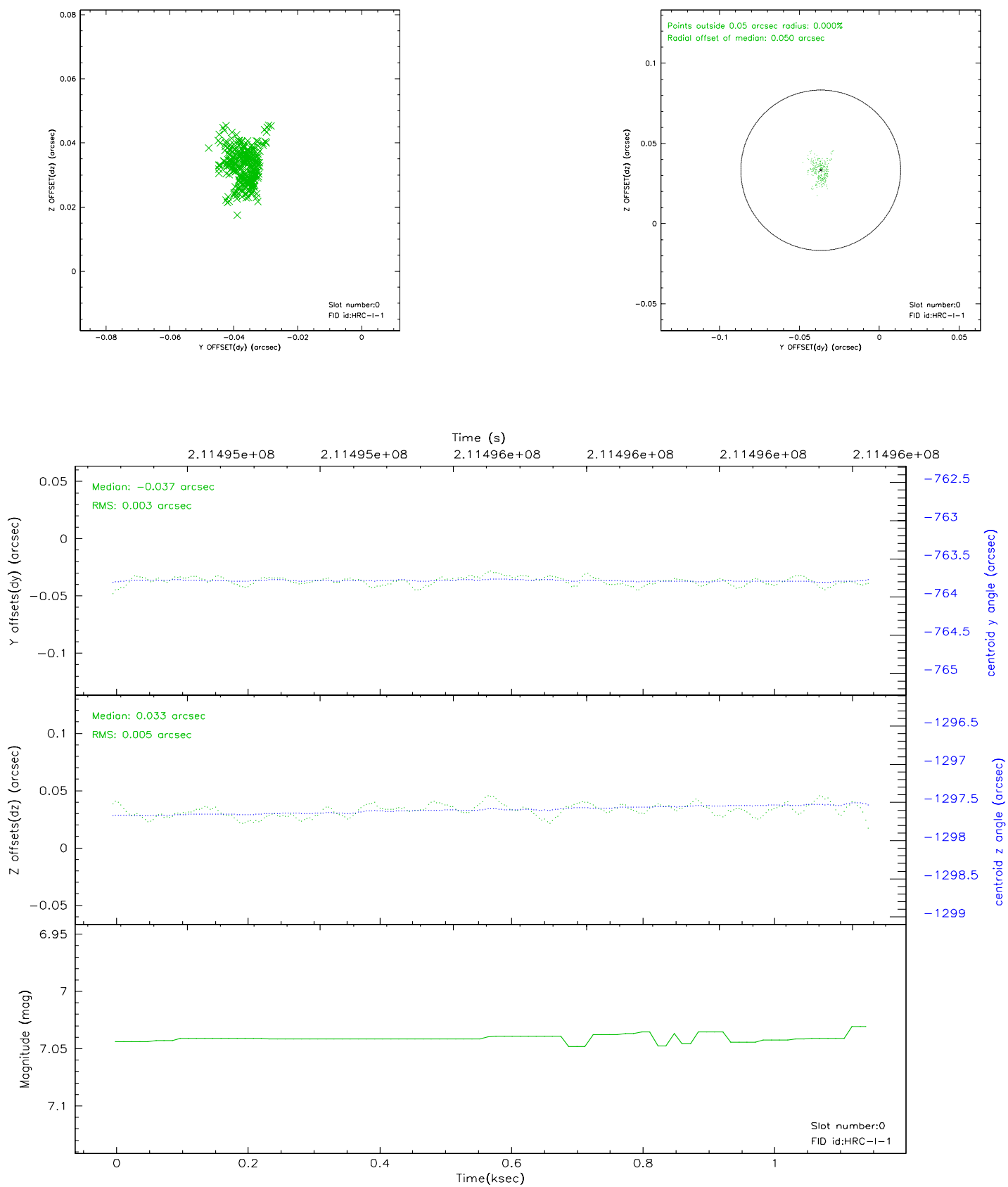


2.4.5 Slot 7

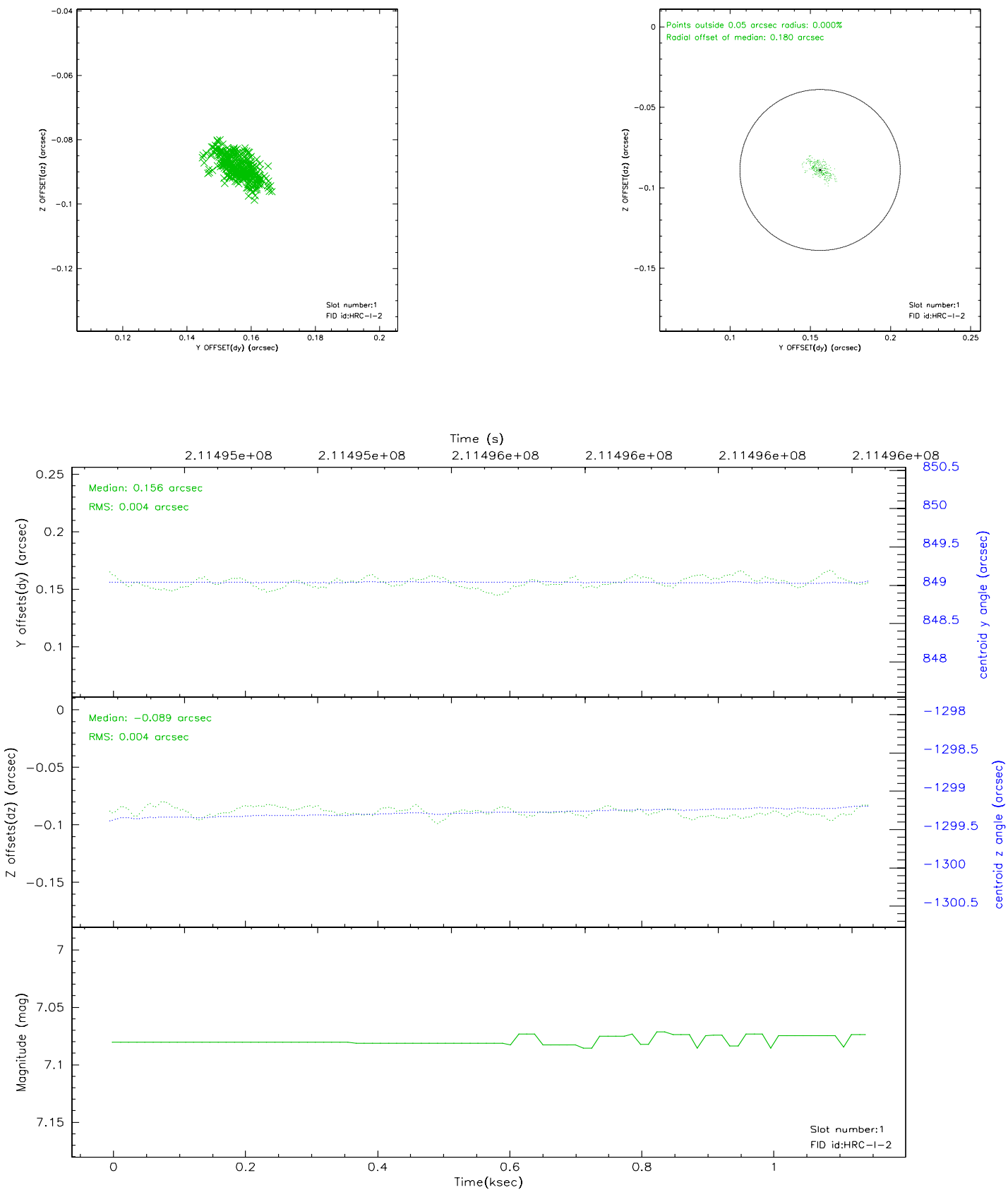


2.5 FID Slots

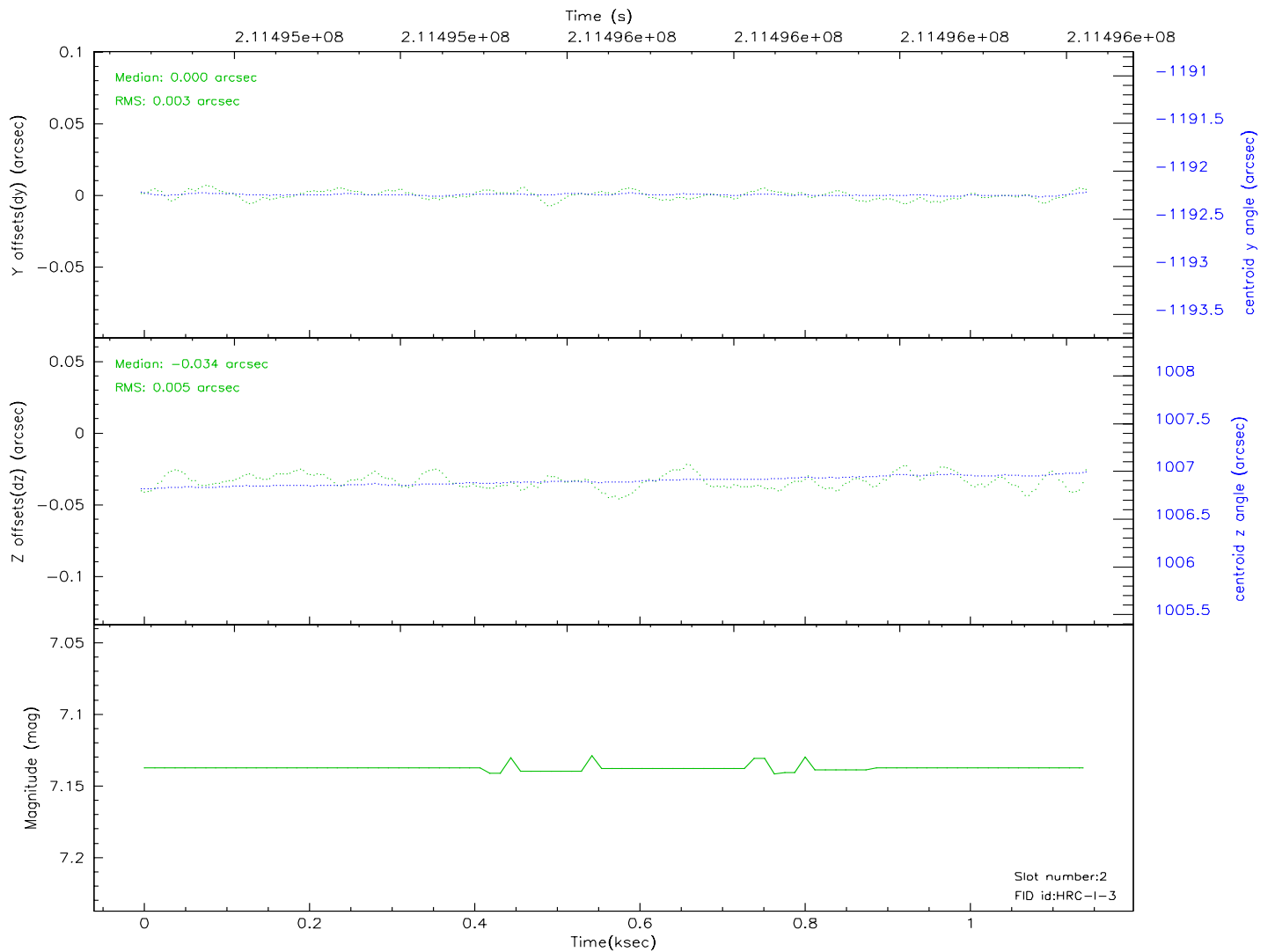
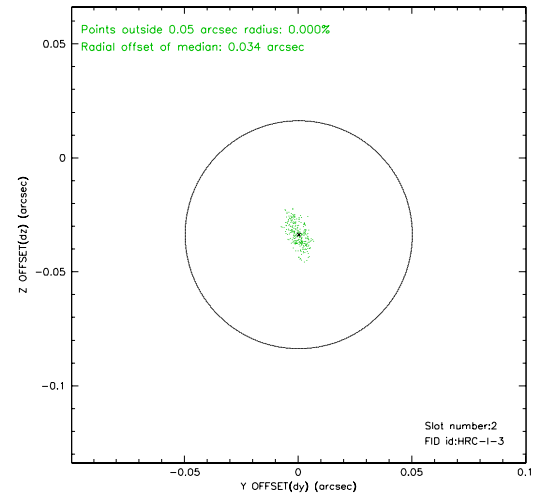
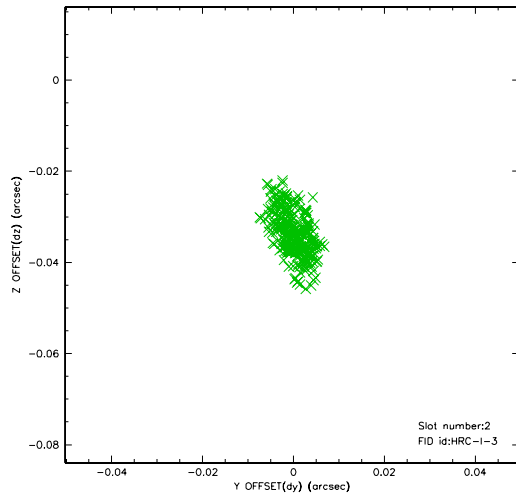
2.5.1 Slot 0



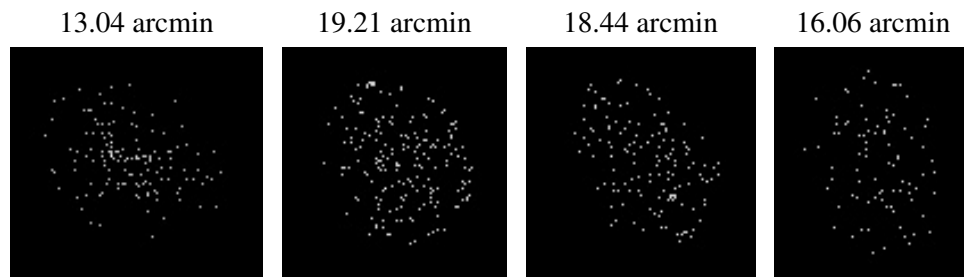
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.12.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.147

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.