

V&V Reference Report

L2 ASCDS Version : 7.6.7

Observation 5970 - L2 Version 3
Chandra X-Ray Center

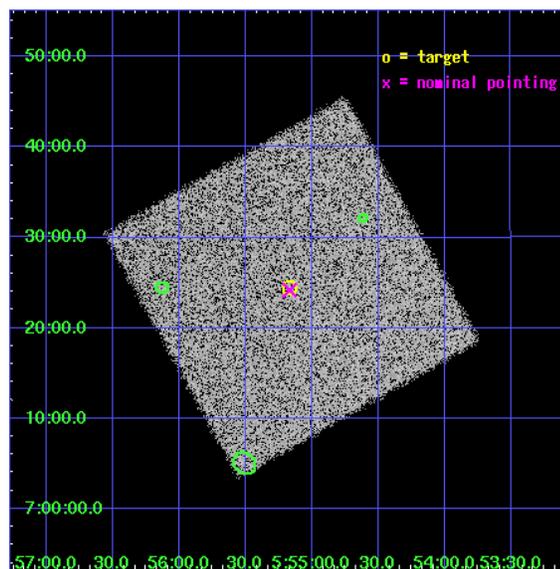
L2 Processing Date : Nov 24 2007

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1 Front

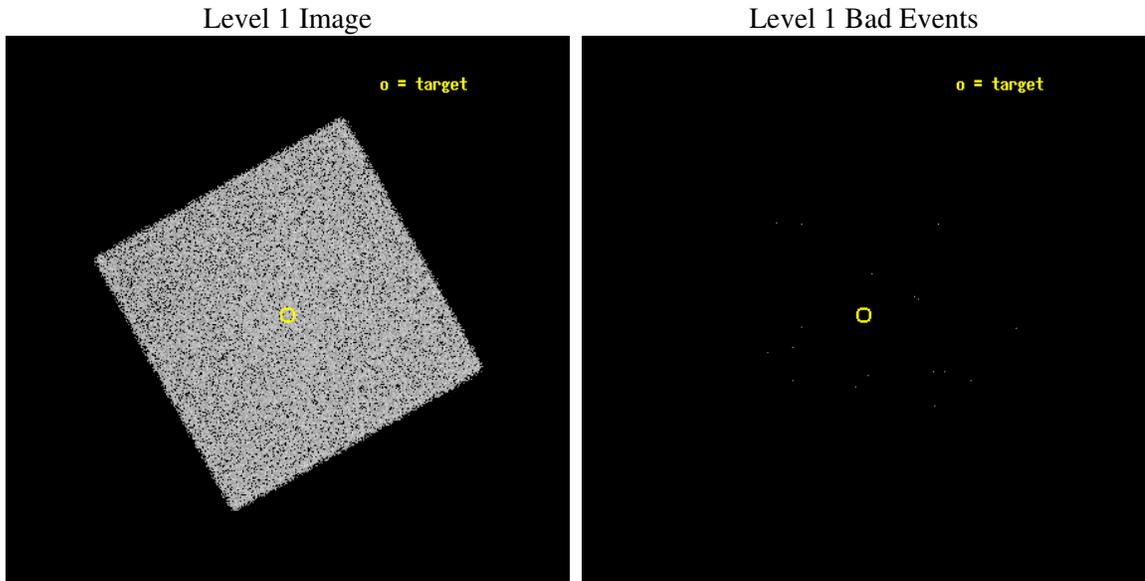
seq_num	290462
obs_id	5970
title	AO6 Measurements of the optical/UV Transmission of the HRC and ACIS Filters.
observer	Dr. CXC Calibration
object	Betelgeuse
ra_targ	88.792917
dec_targ	7.407056
ra_nom	88.792187876564
dec_nom	7.4029652267568
roll_nom	285.76059095019
revision	3
ontime	2143.531346947
livetime	2129.4222484798
l2events	75397



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	2007-11-24T06:02:18
revision	3

sched_exp_time	2000.000000
ontime	2143.531346947
l1events	162155

2.1.3 Events

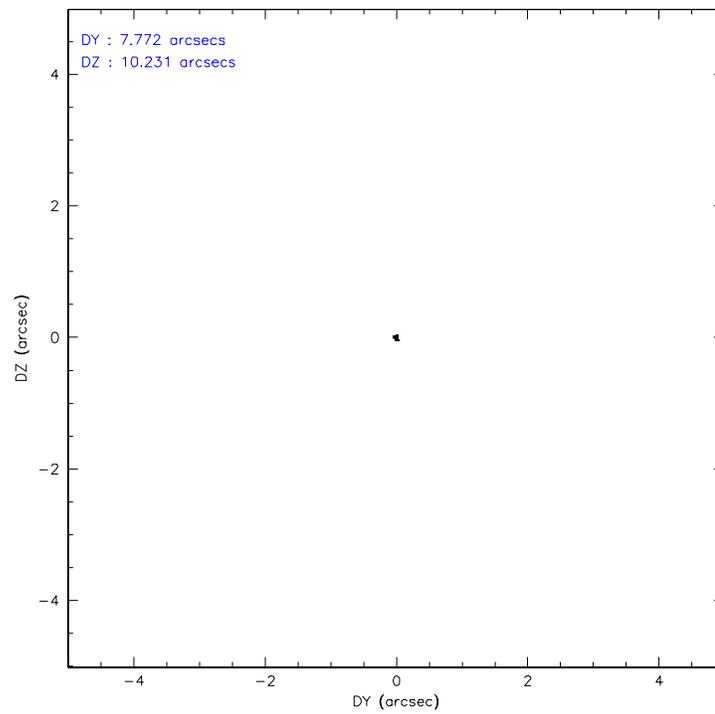
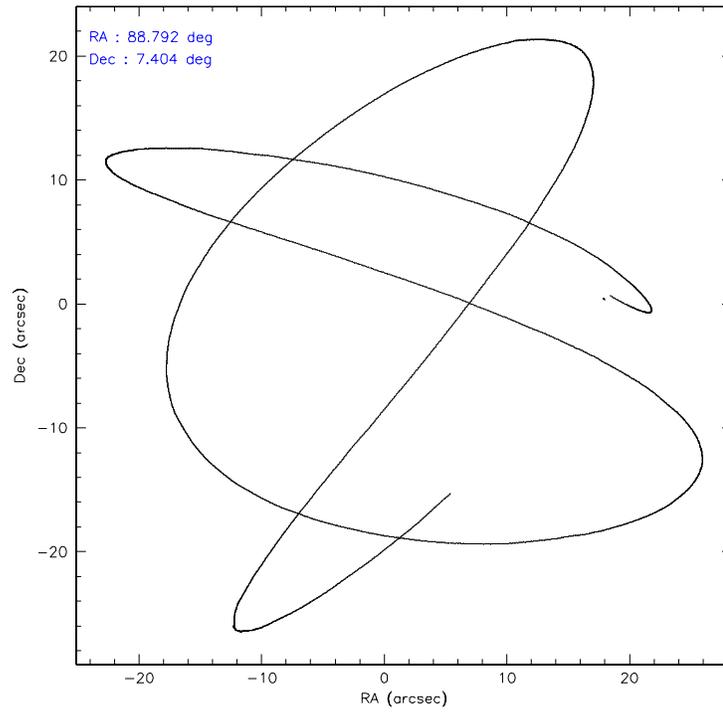
Level 1 Events

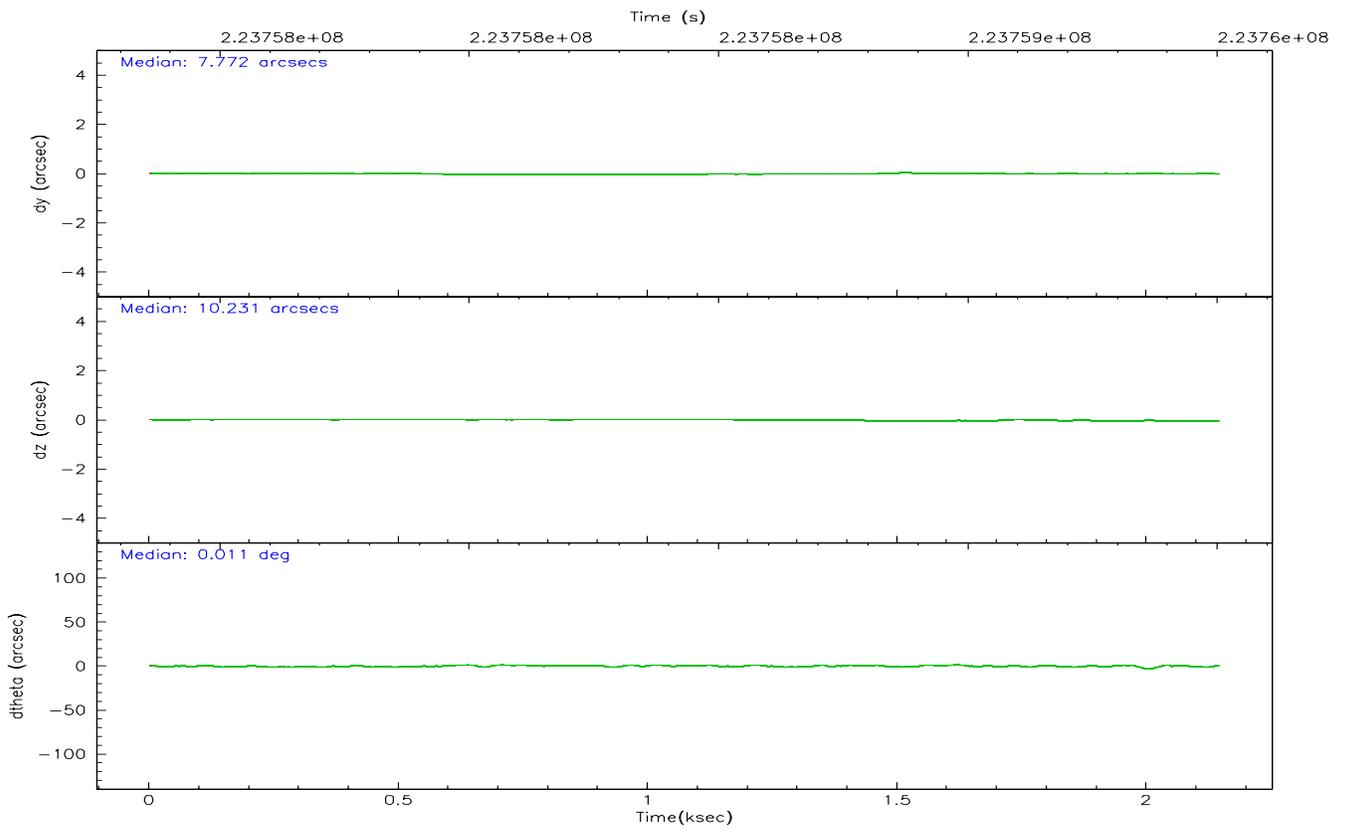
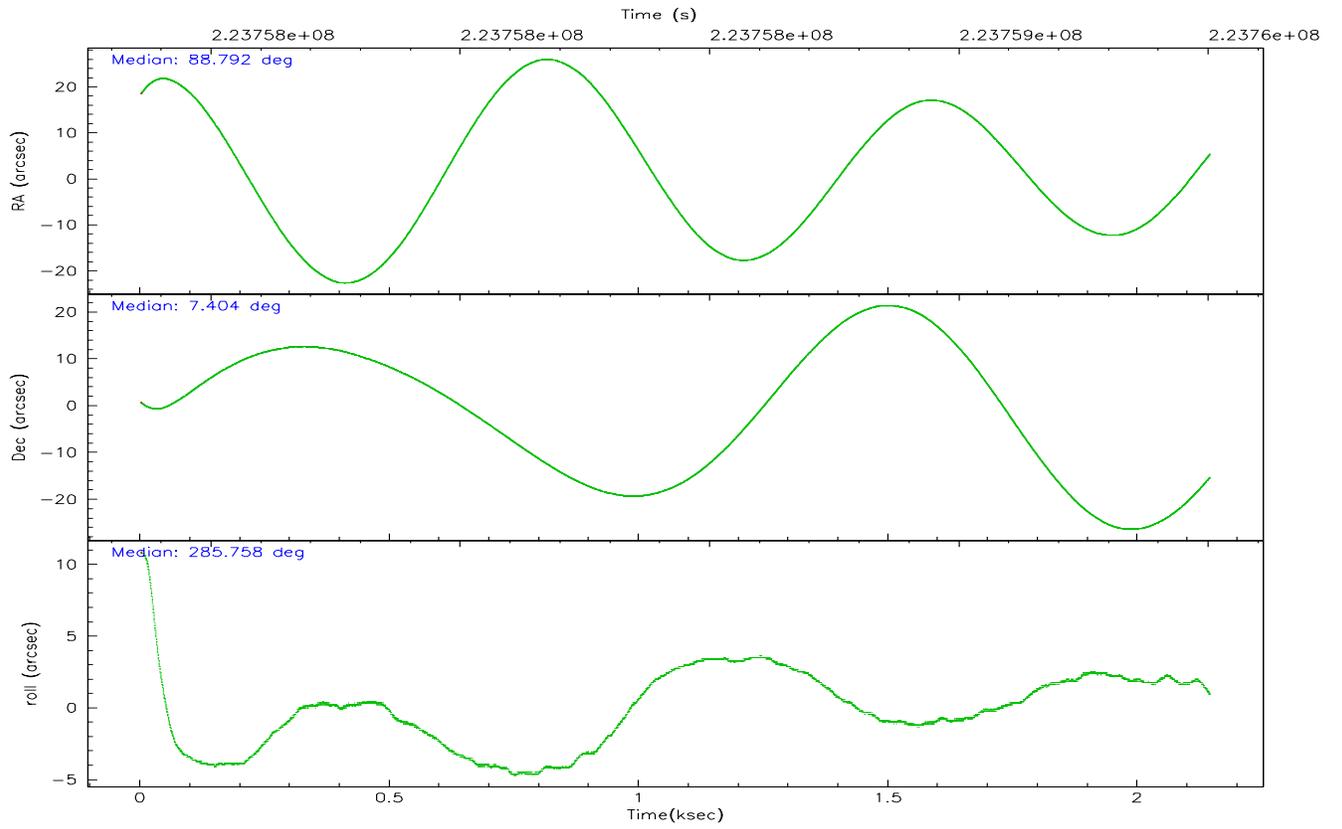
	segment 0
level 1 events	162155
rejected events	49800
rejected %	30%

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	88.772392	88.79218787656433			
Pointing Dec	7.421371	7.402965226756781			
Pointing Roll	285.858535	285.7605909501888			
Window start time	223603264.184000	223603264.184000			
Window stop time	228614464.184000	228614464.184000			
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	223757507.184000	223756444.21478			
Observation start date	2005-02-02T18:50:43	2005-02-02T18:34:04			
Observation end time	223759507.184000	223759641.18992			
Observation end date	2005-02-02T19:24:03	2005-02-02T19:27:21			

2.3 Aspect



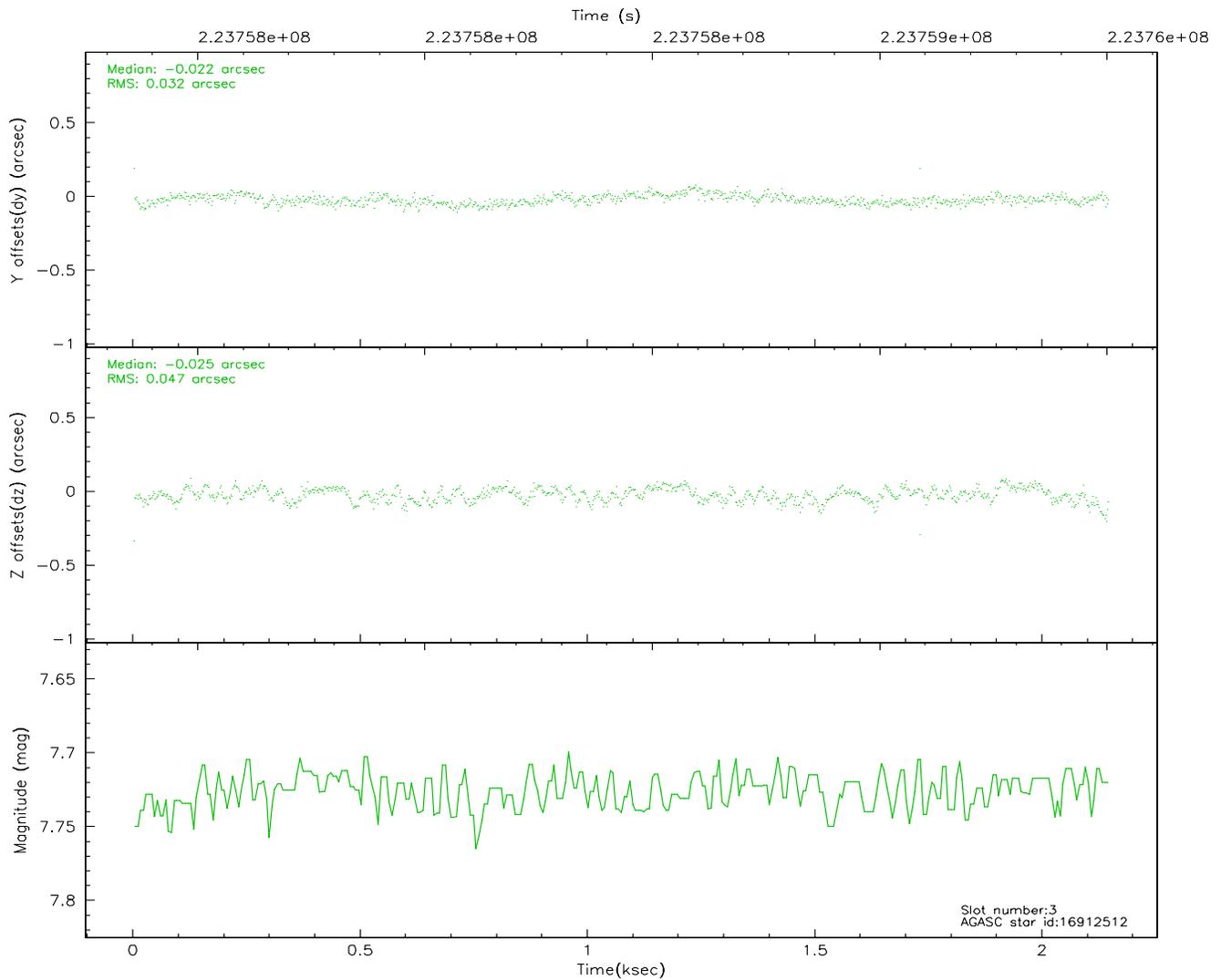
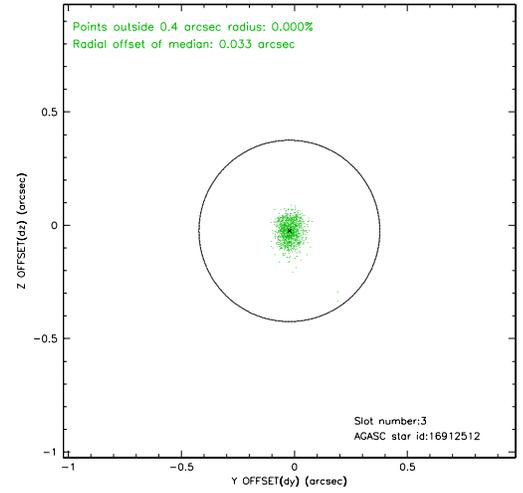
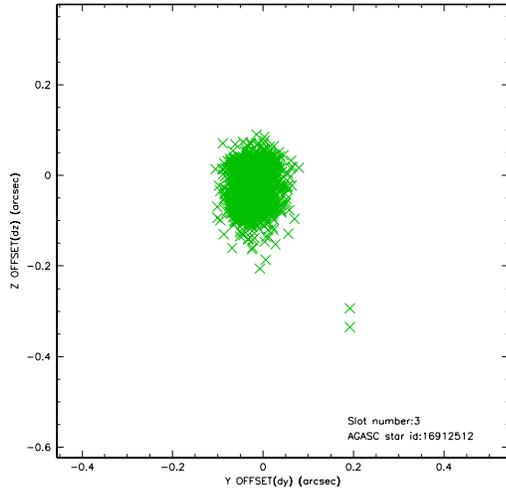


Slot Statistics

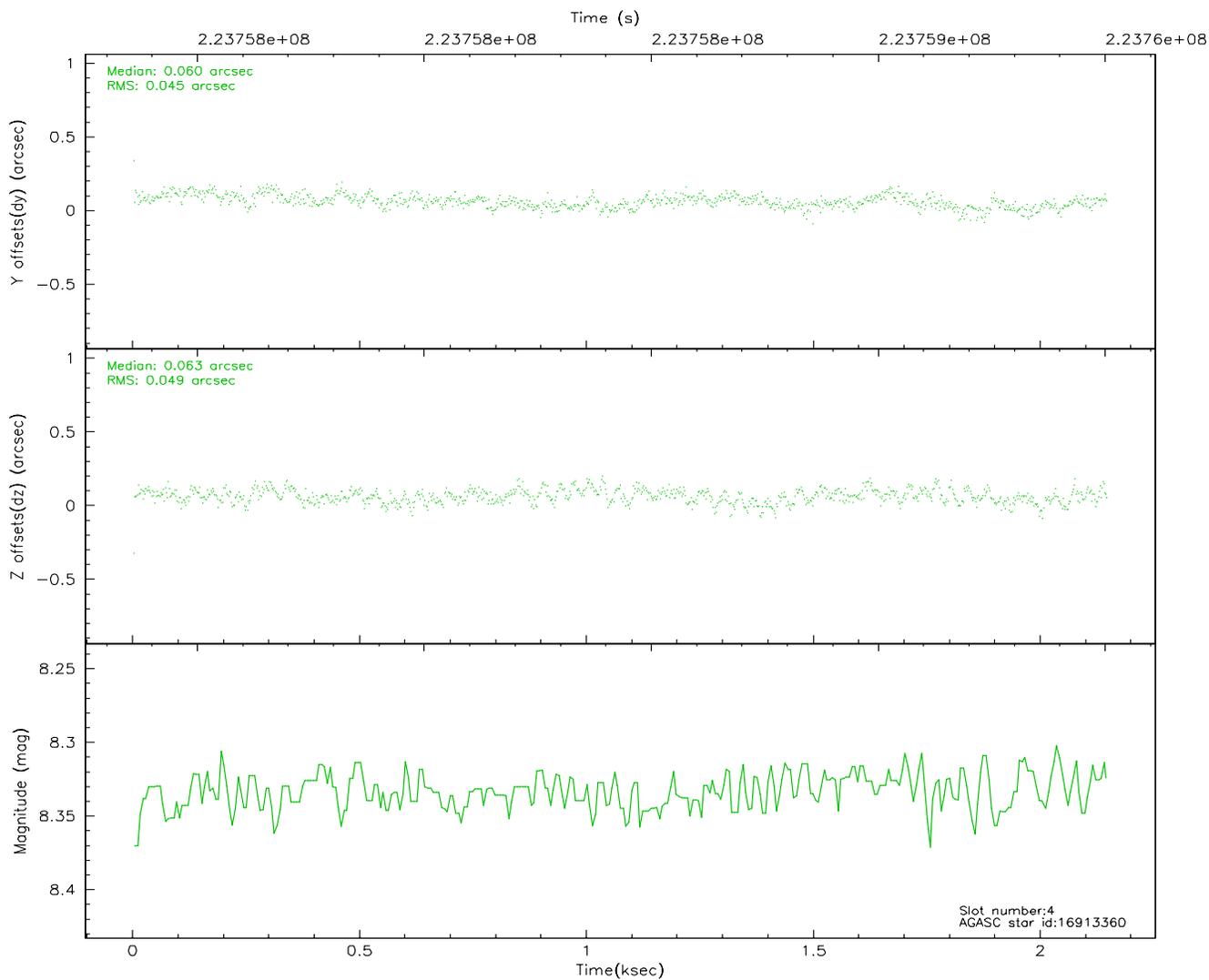
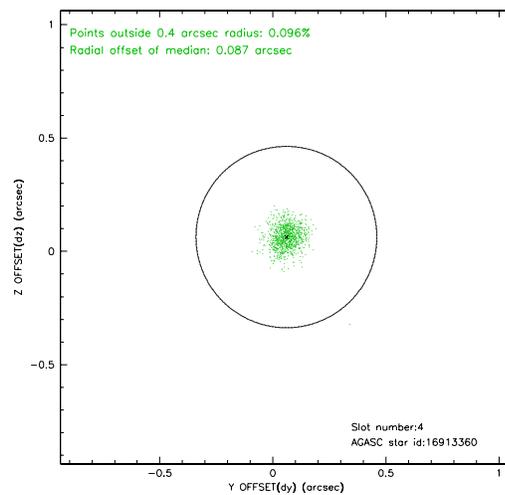
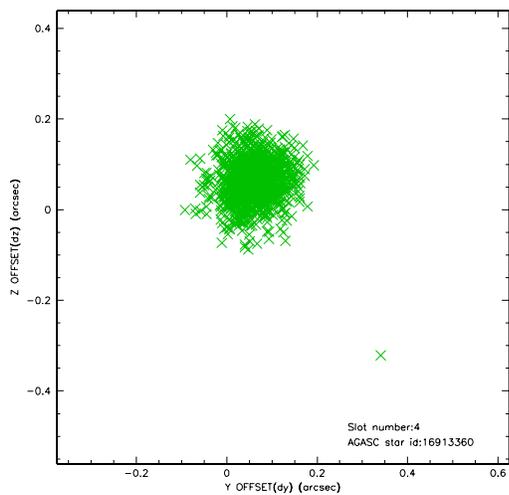
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.99	524	-0.045	-0.049	0.006	0.010	0.000000	0.000000	-763.46	-1298.18
1	FID	HRC-I-2	7.03	524	0.107	-0.042	0.007	0.012	0.000000	0.000000	847.86	-1302.28
2	FID	HRC-I-4	7.02	524	0.054	-0.001	0.006	0.011	0.000000	0.000000	1281.13	1001.47
3	GUIDE	16912512	7.73	1047	-0.022	-0.025	0.060	0.093	88.651510	7.129862	892.08	-701.23
4	GUIDE	16913360	8.33	1046	0.060	0.063	0.069	0.114	89.178373	7.247125	1000.49	1223.76
5	GUIDE	16918912	8.66	1047	0.166	0.177	0.069	0.117	89.257075	6.922287	2202.48	1177.90
6	GUIDE	93856056	7.98	1047	-0.024	-0.097	0.063	0.099	88.147460	7.547925	-1046.45	-2018.60
7	GUIDE	93727304	8.27	1046	-0.180	-0.112	0.070	0.117	88.040179	7.731431	-1790.10	-2208.28

2.4 Star Slots

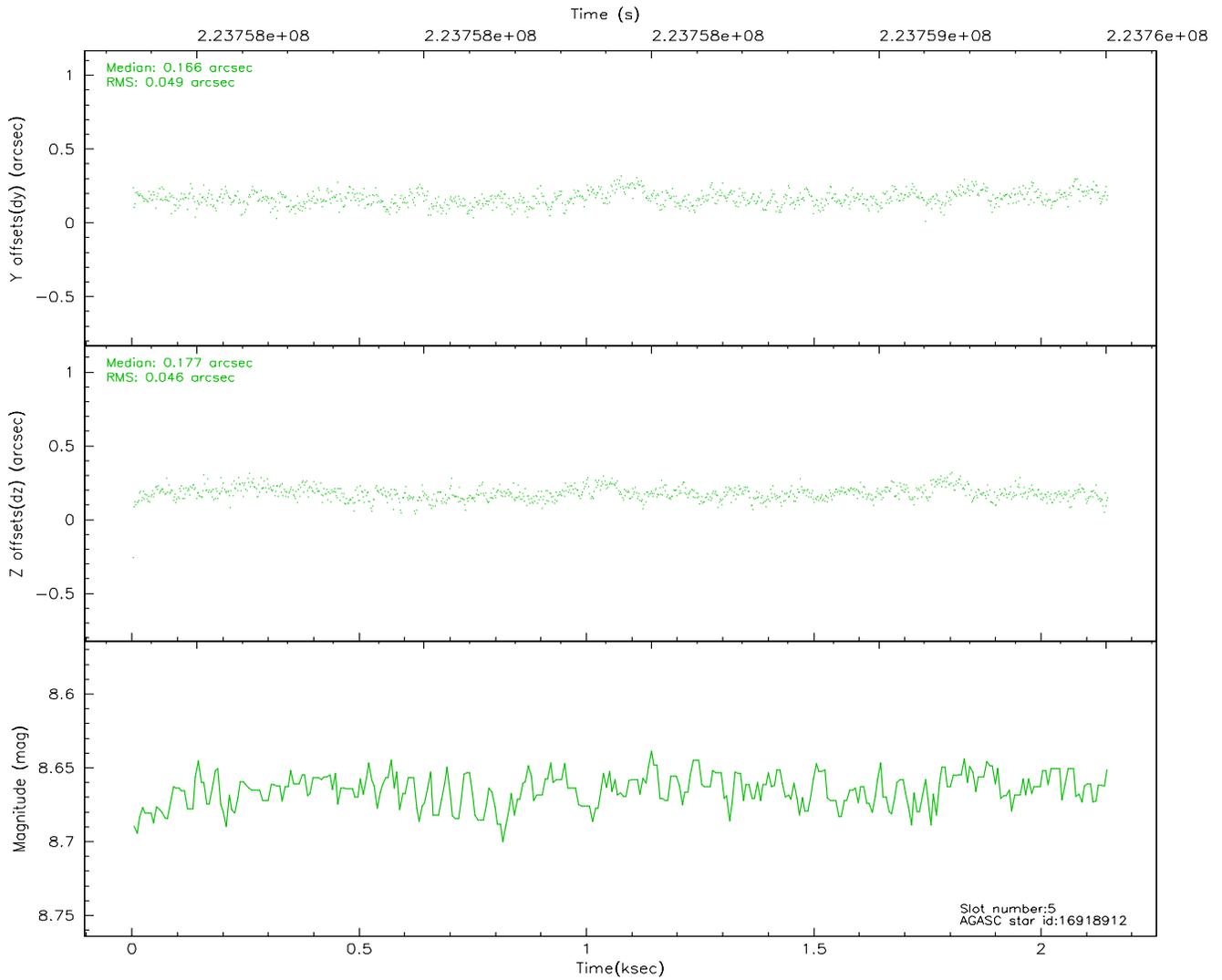
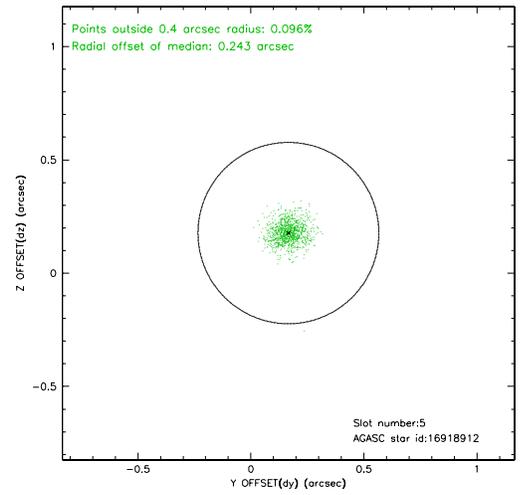
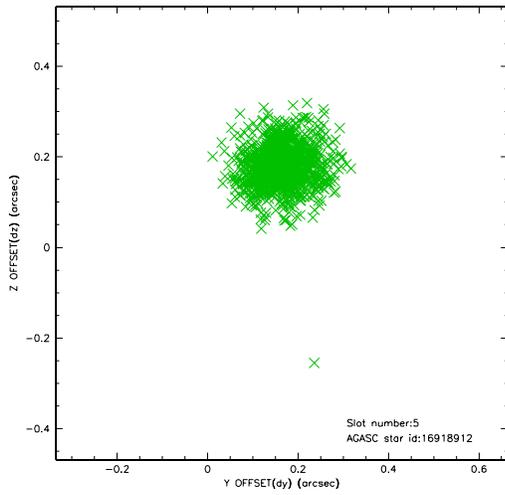
2.4.1 Slot 3



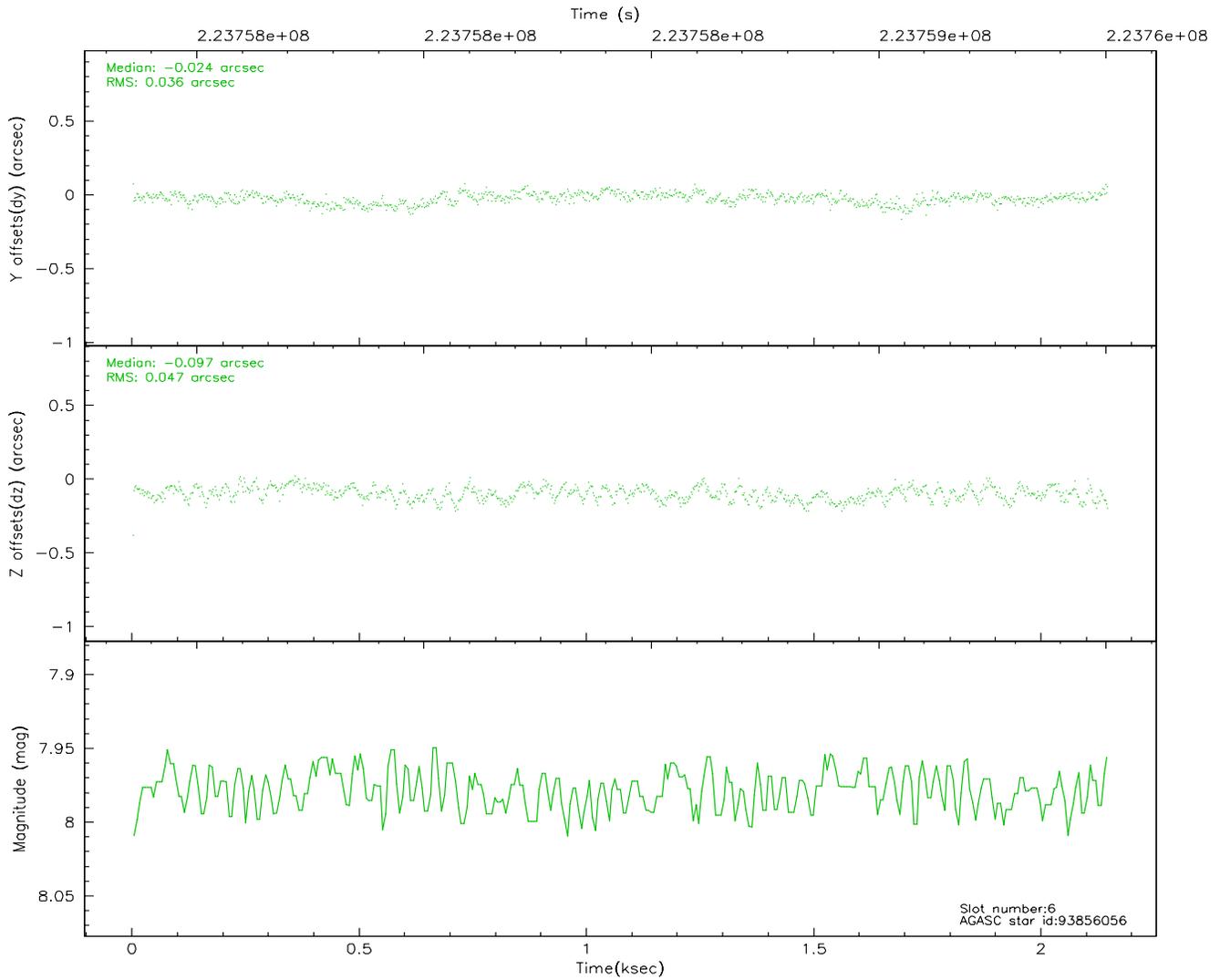
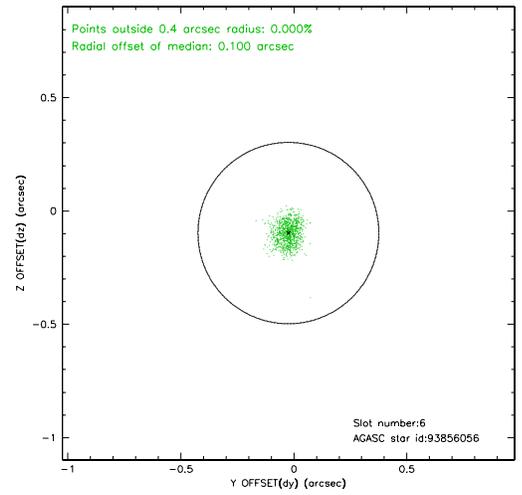
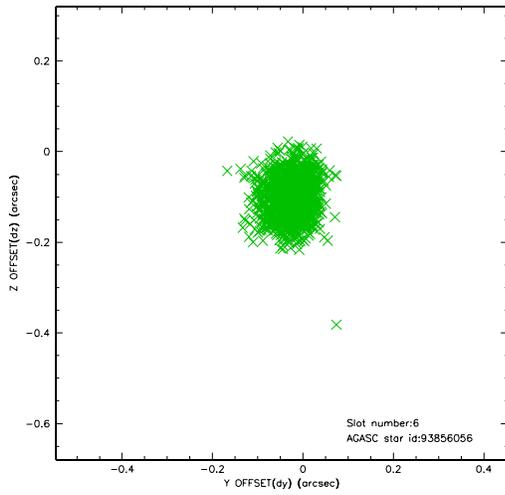
2.4.2 Slot 4



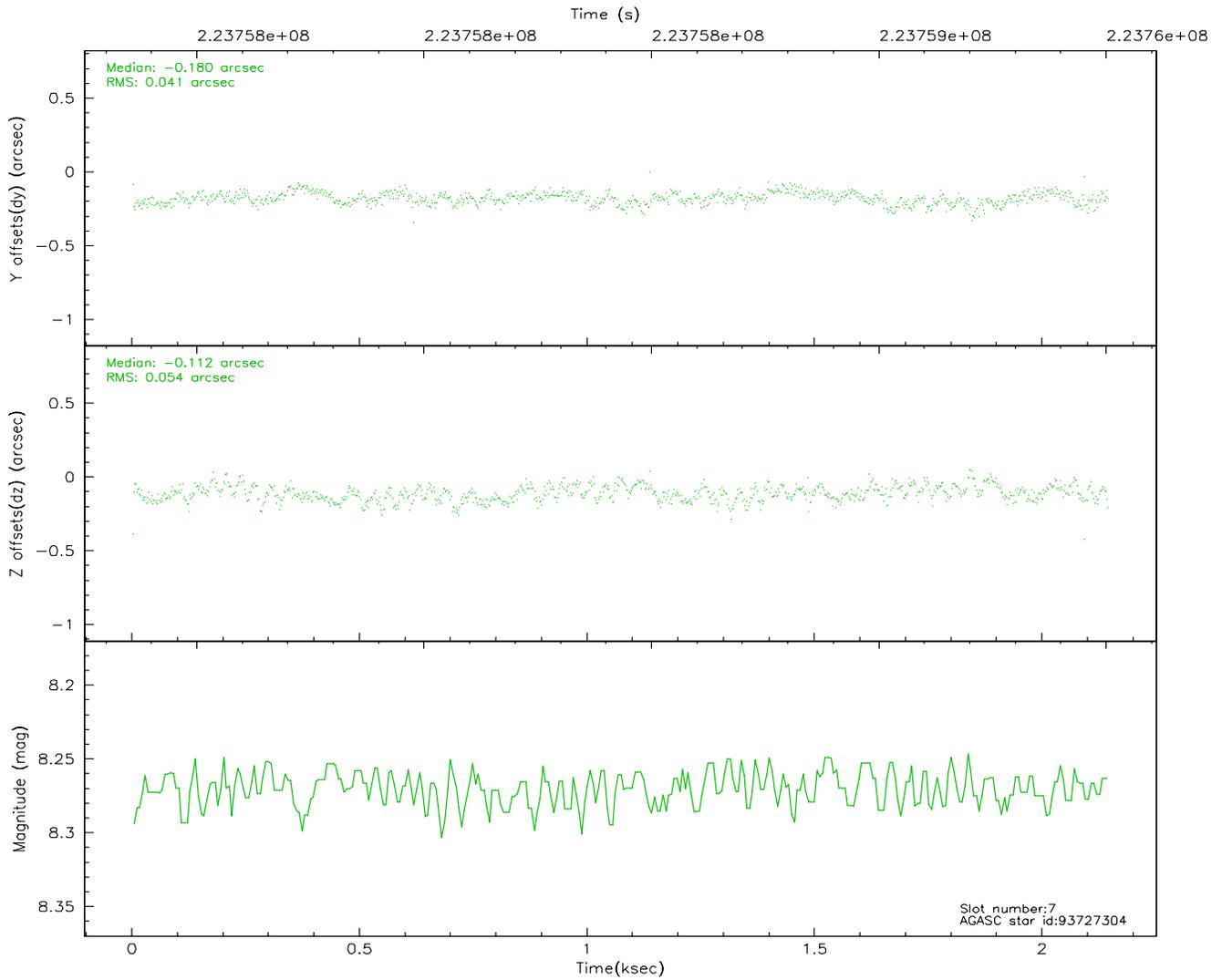
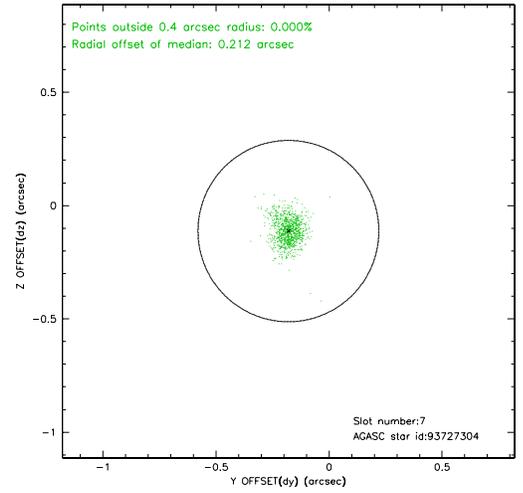
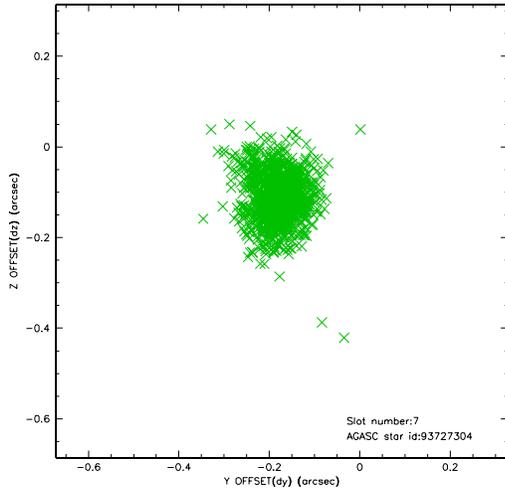
2.4.3 Slot 5



2.4.4 Slot 6

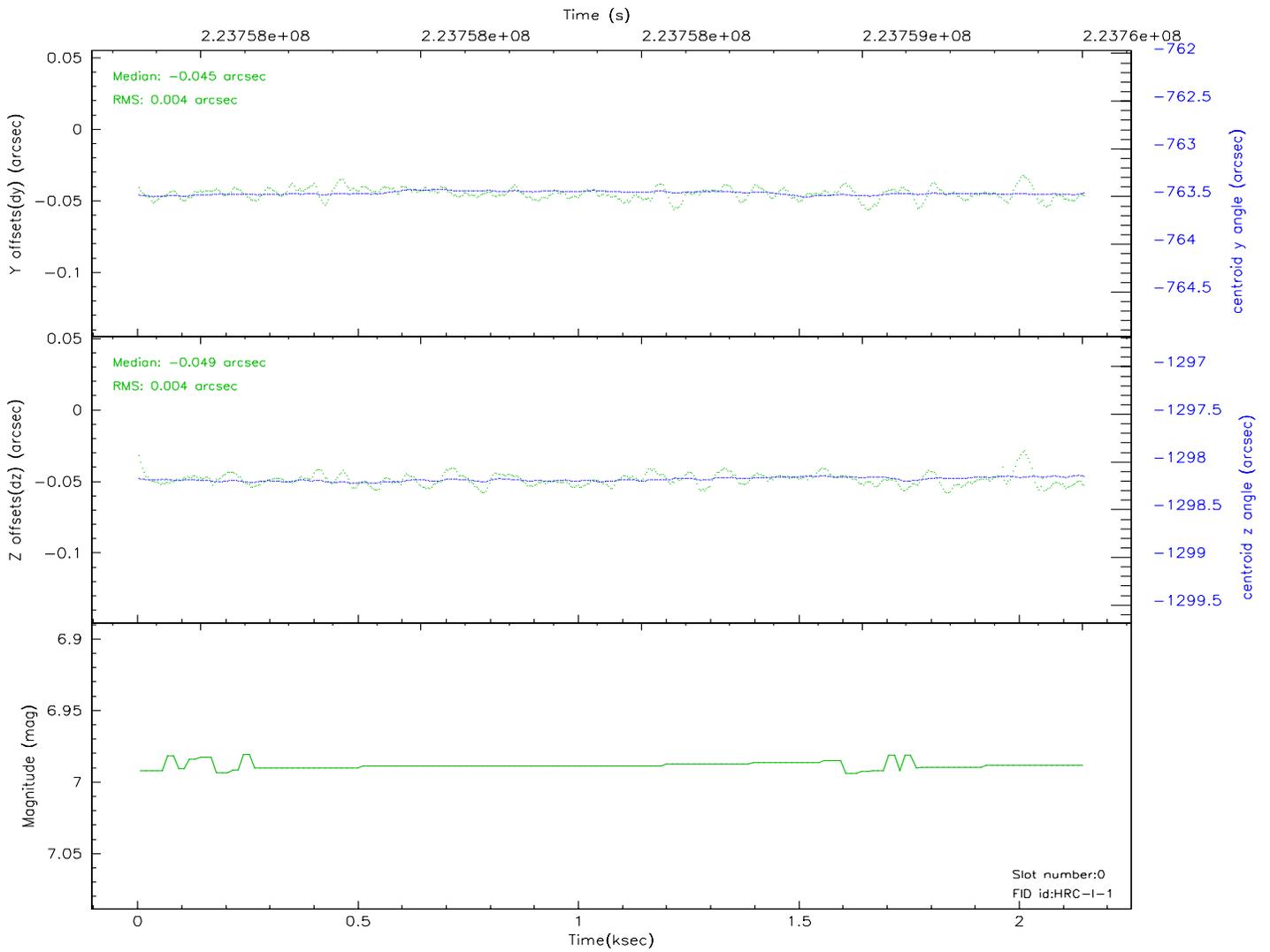
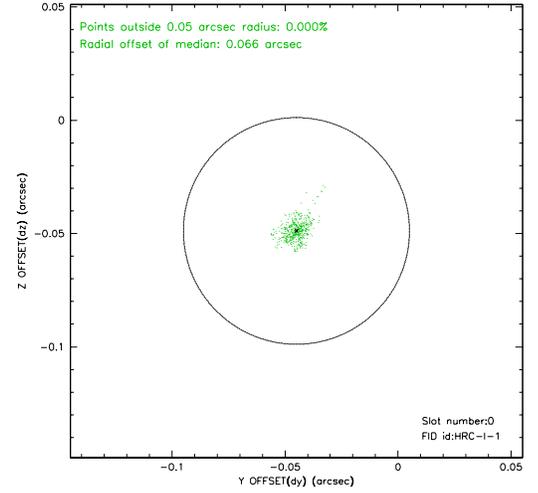
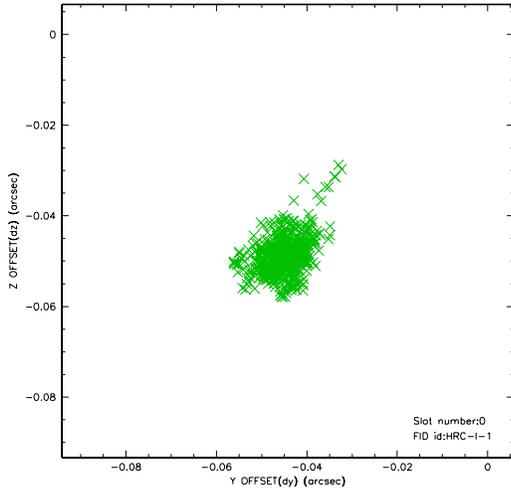


2.4.5 Slot 7

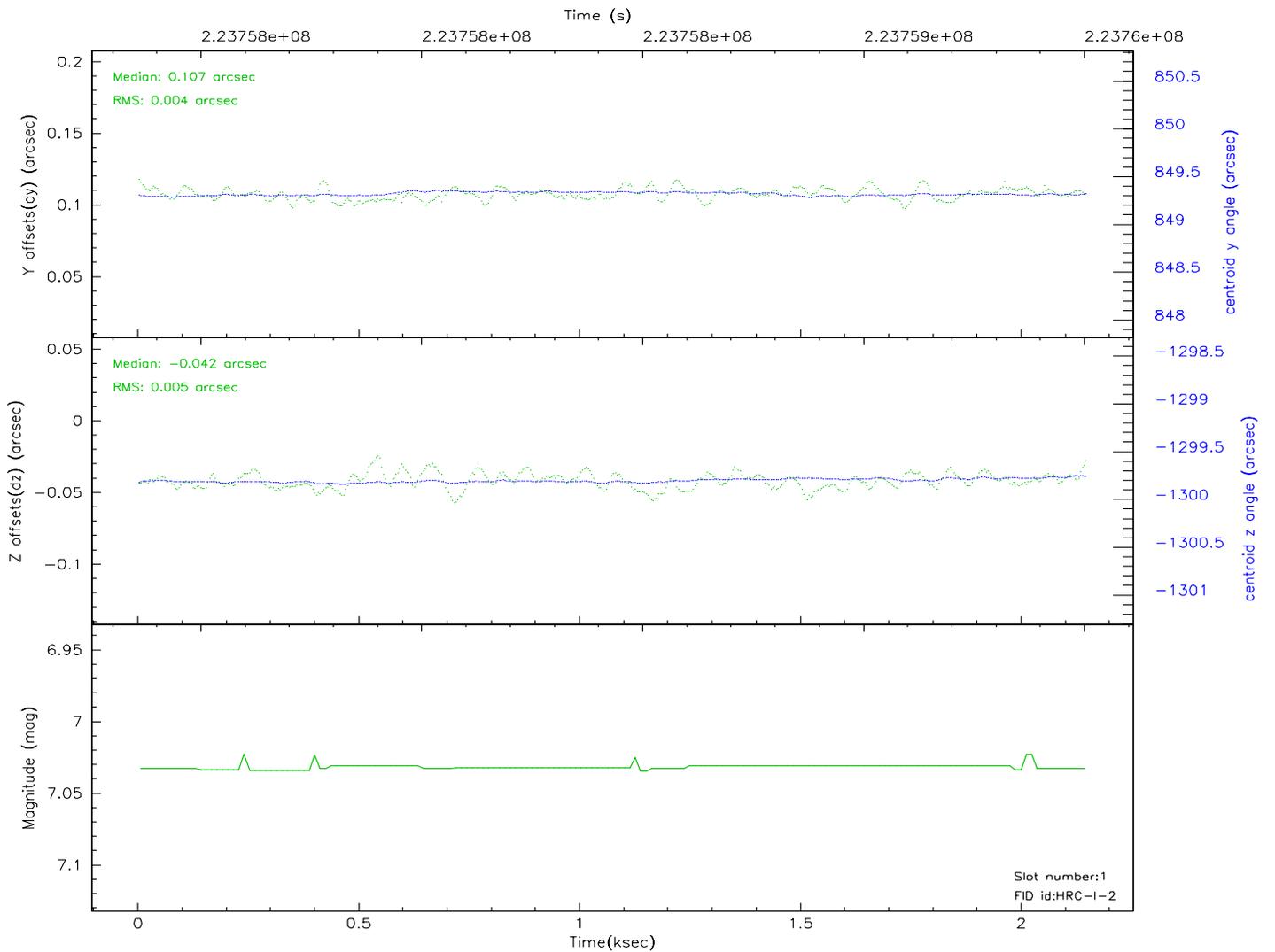
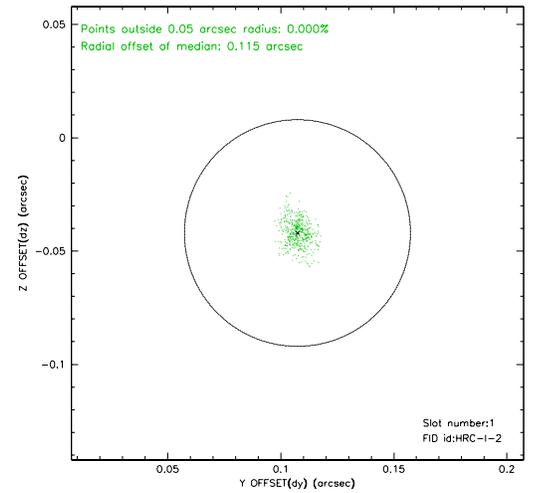
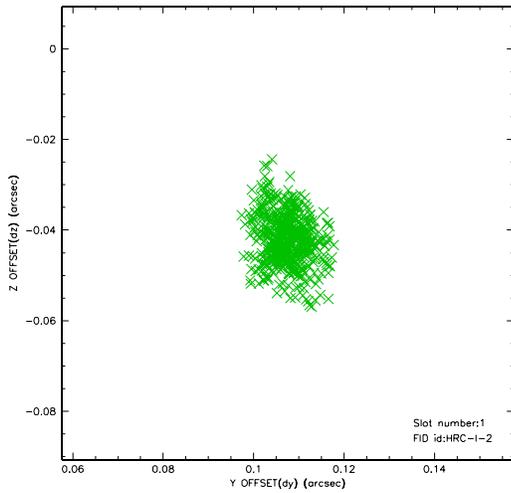


2.5 FID Slots

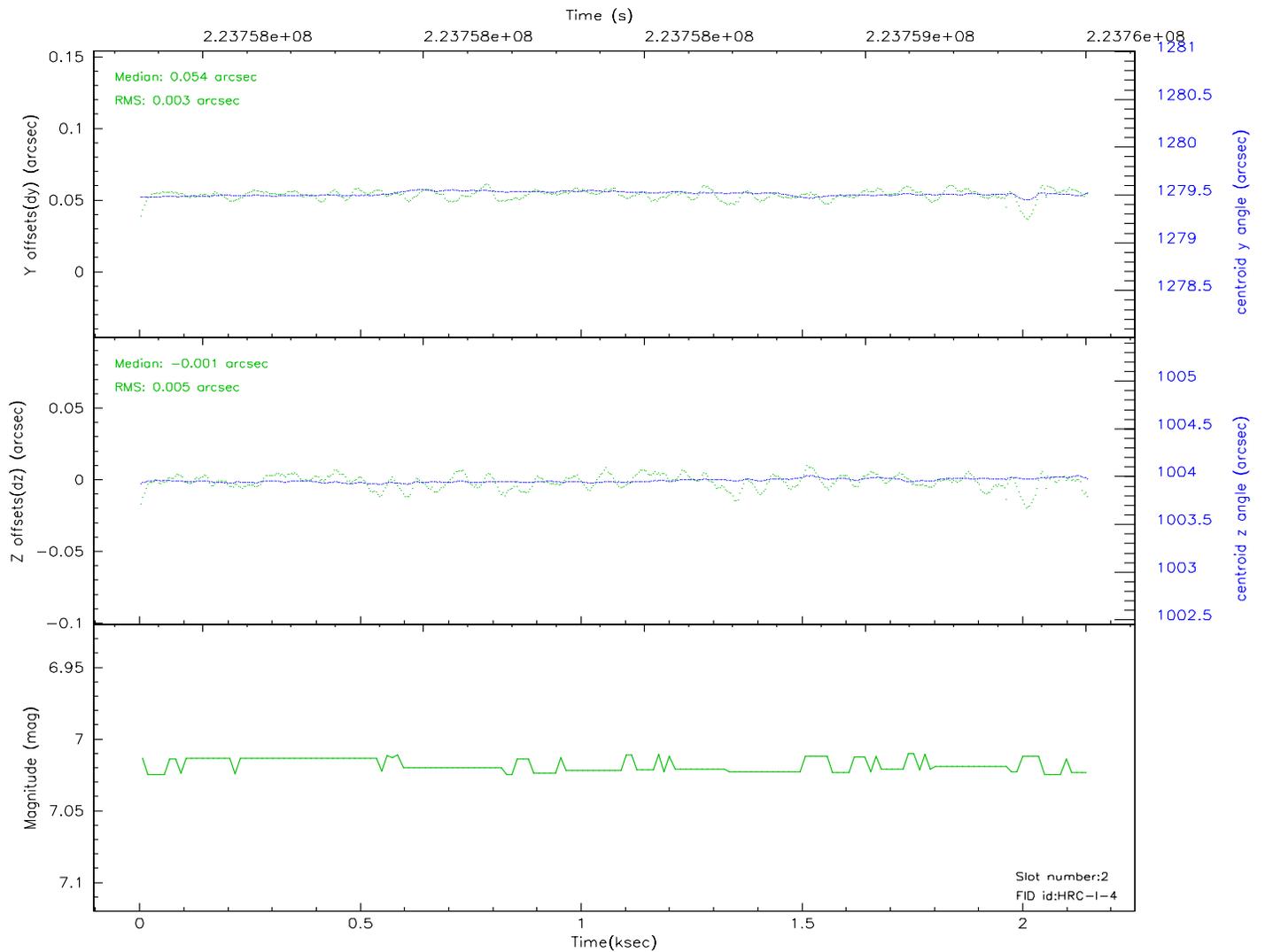
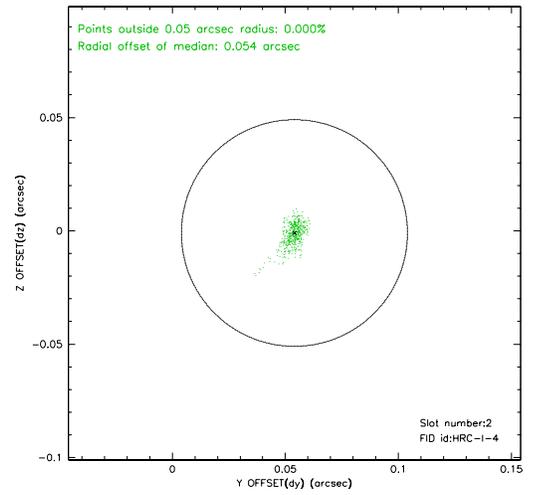
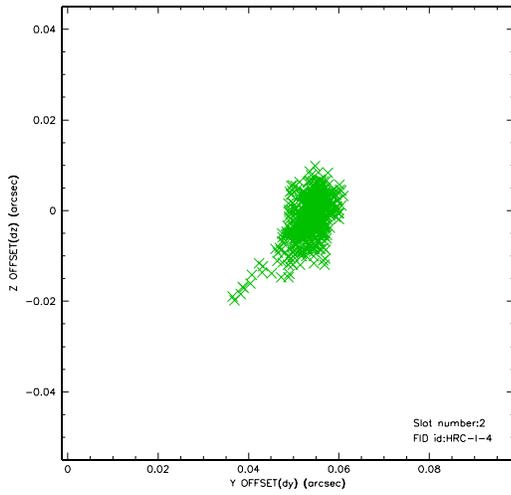
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources

14.27 arcmin



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	2.143531

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.