

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 1556 - L2 Version 3
Chandra X-Ray Center

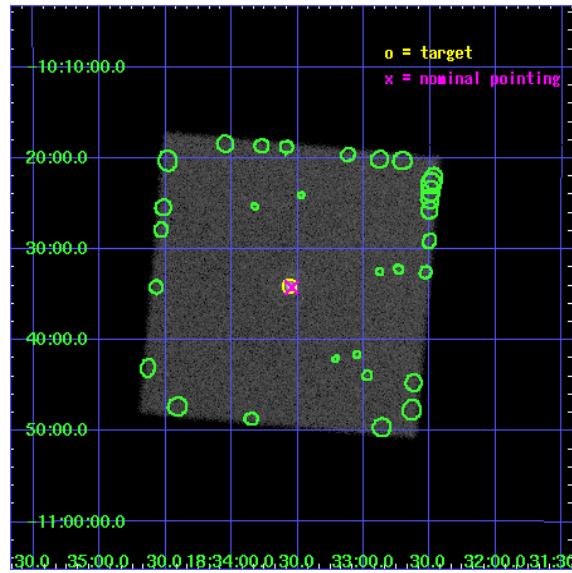
L2 Processing Date : Nov 20 2007

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1 Front

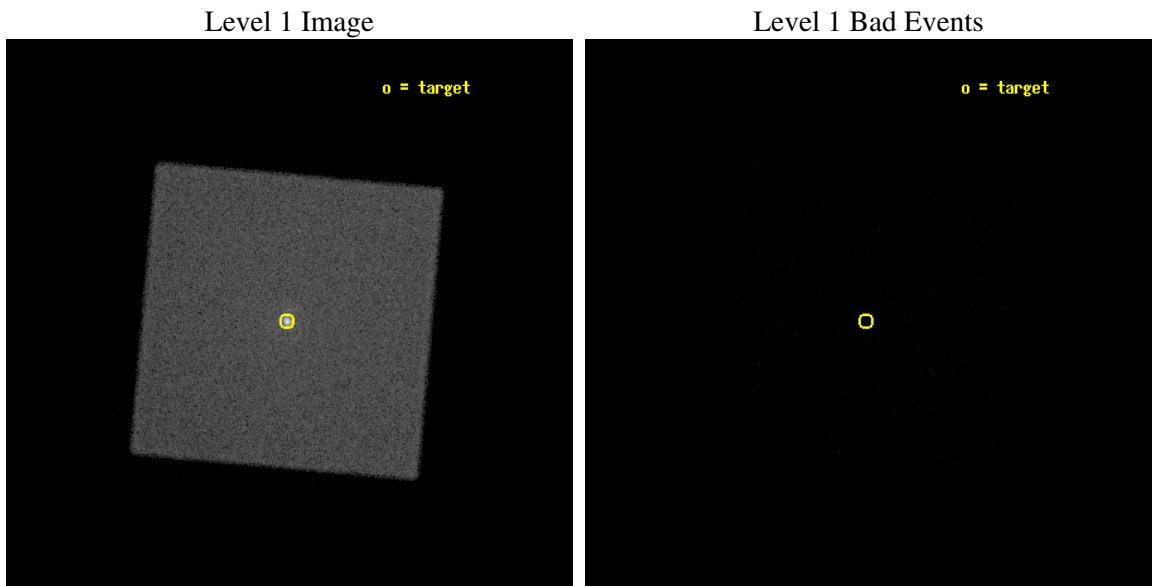
seq_num	590165
obs_id	1556
title	CALIBRATION OBSERVATIONS OF THE STANDARD CANDLE G21.5-09
observer	Dr. CXC Calibration
object	G21.5-0.9 [HRC-I, Offsets=0,0,0 Offsets=AO2B]
ra_targ	278.389583
dec_targ	-10.568528
ra_nom	278.38586968397
dec_nom	-10.570460629797
roll_nom	230.15934480287
revision	3
ontime	10156.725397289
livetime	10102.908878281
l2events	270380



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	2007-11-20T17:42:53
revision	3

sched_exp_time	10000.000000
ontime	10156.725397289
l1events	419623

2.1.3 Events

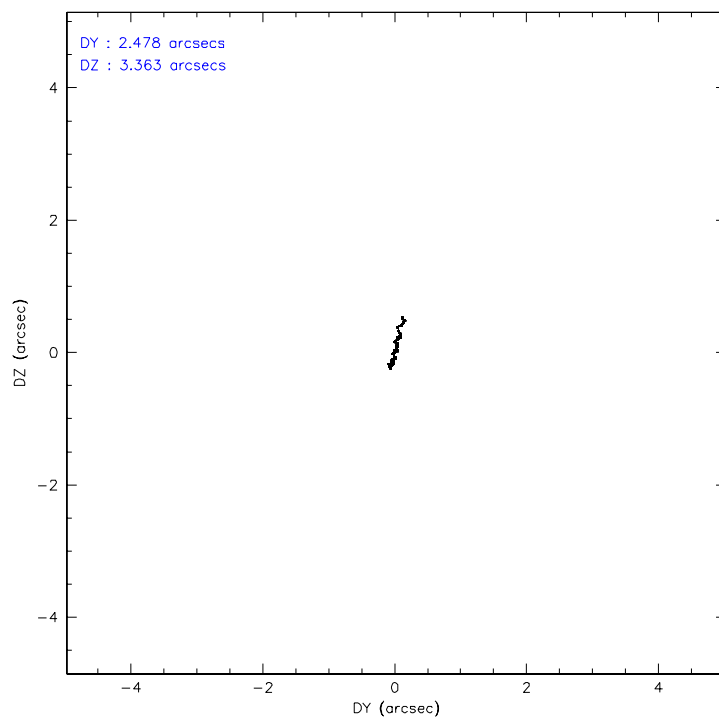
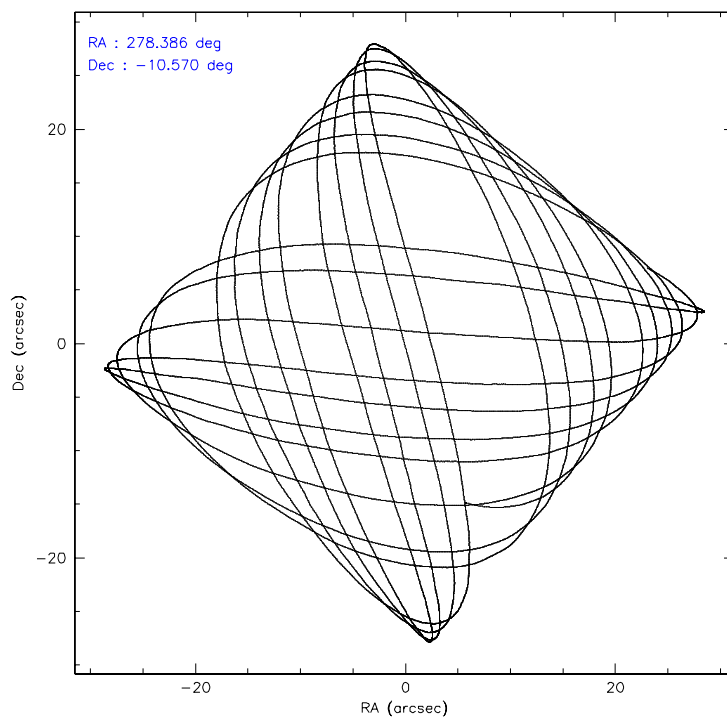
Level 1 Events

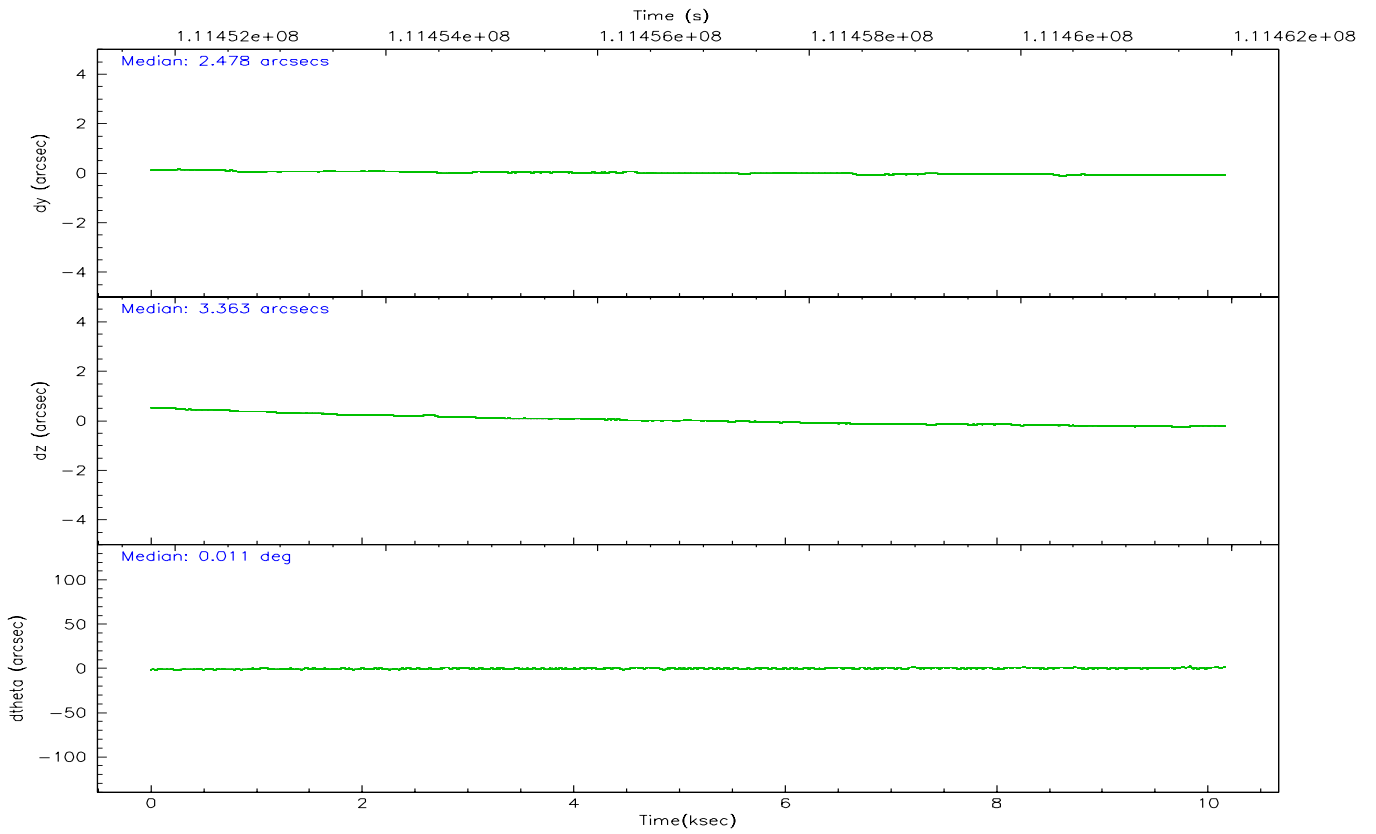
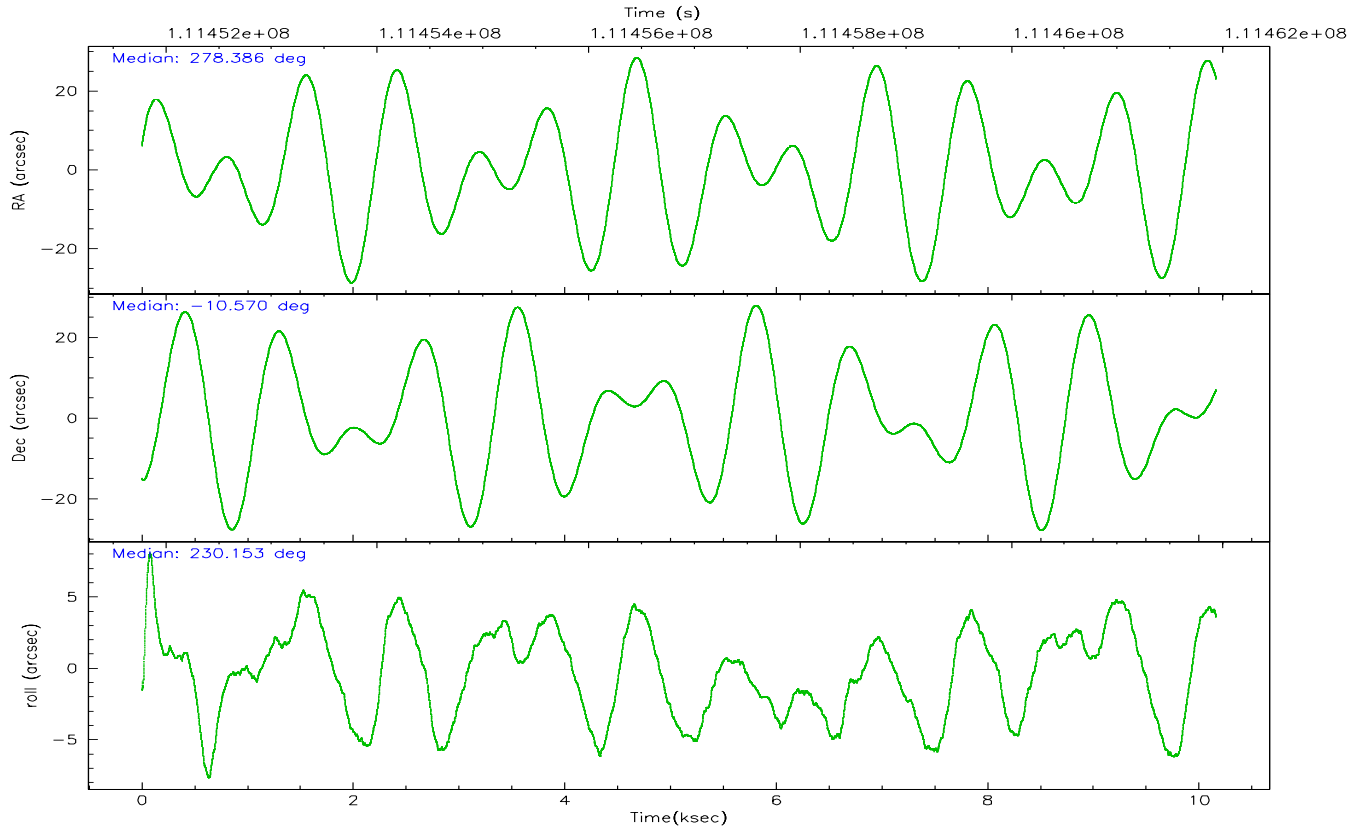
	segment 0
level 1 events	419623
rejected events	13313
rejected %	3%

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	278.389896	278.3858696839699			
Pointing Dec	-10.543650	-10.57046062979674			
Pointing Roll	230.255571	230.15934480287			
Window start time	110332864.184000	110332864.184000			
Window stop time	112838464.184000	112838464.184000			
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	111451938.184000	111451527.77542			
Observation start date	2001-07-13T22:51:14	2001-07-13T22:45:27			
Observation end time	111461938.184000	111462670.03835			
Observation end date	2001-07-14T01:37:54	2001-07-14T01:51:10			

2.3 Aspect



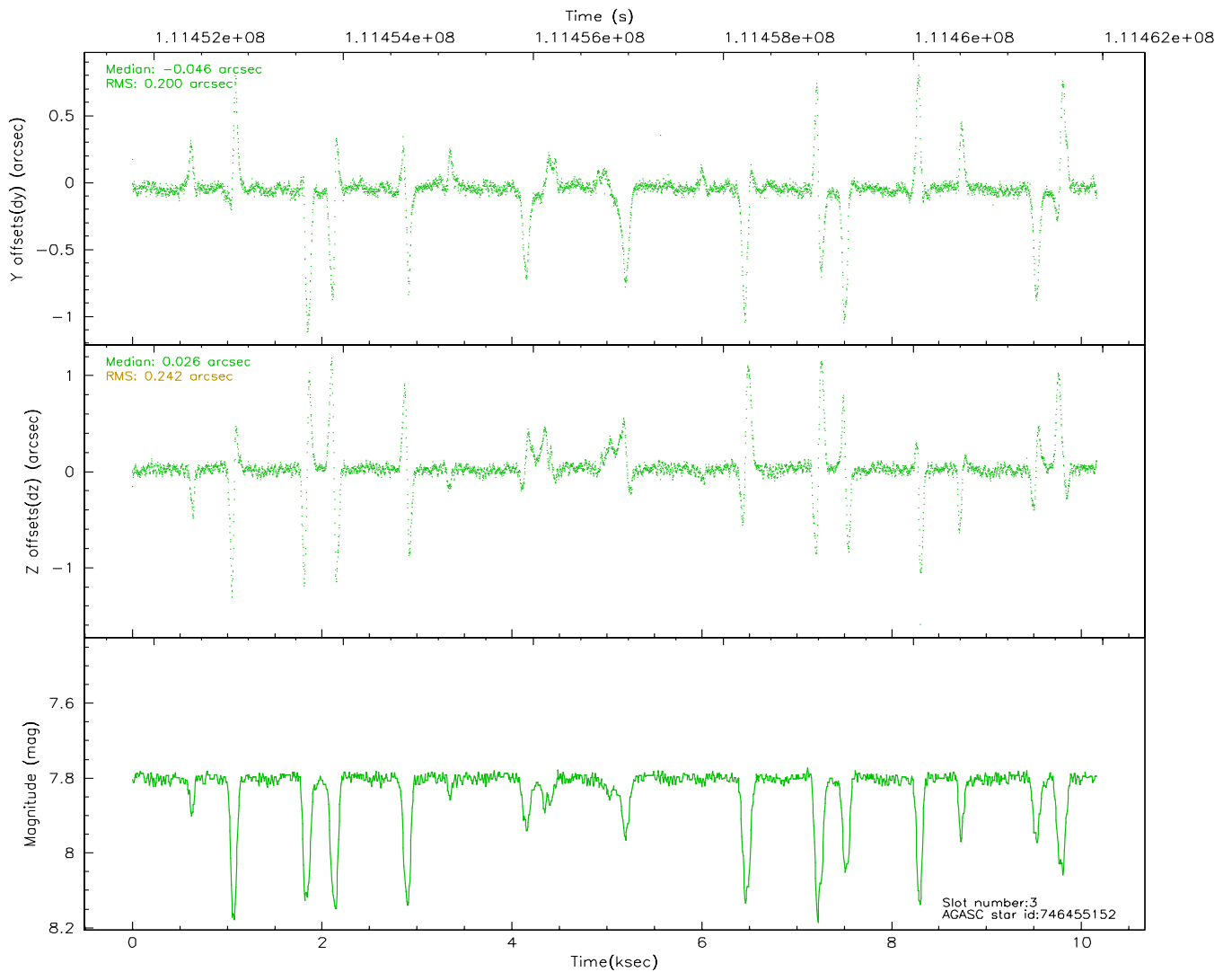
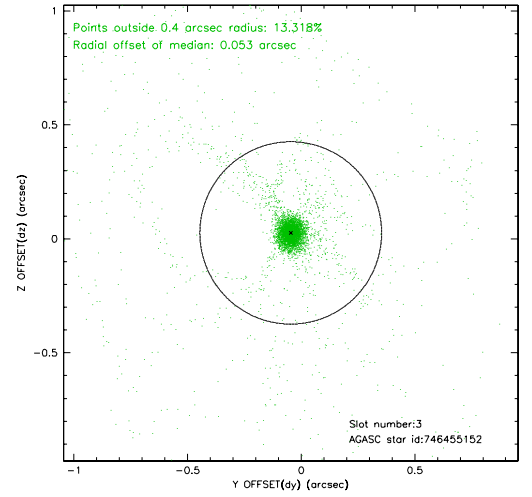
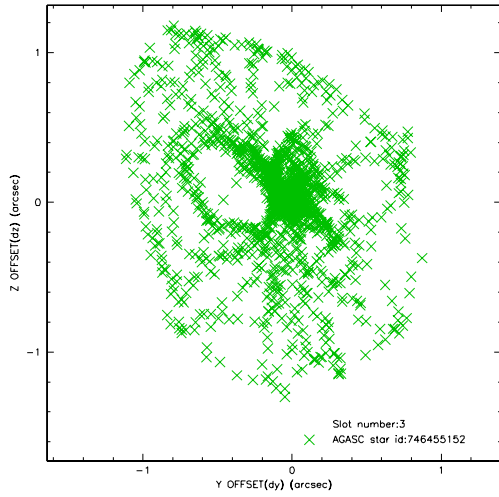


Slot Statistics

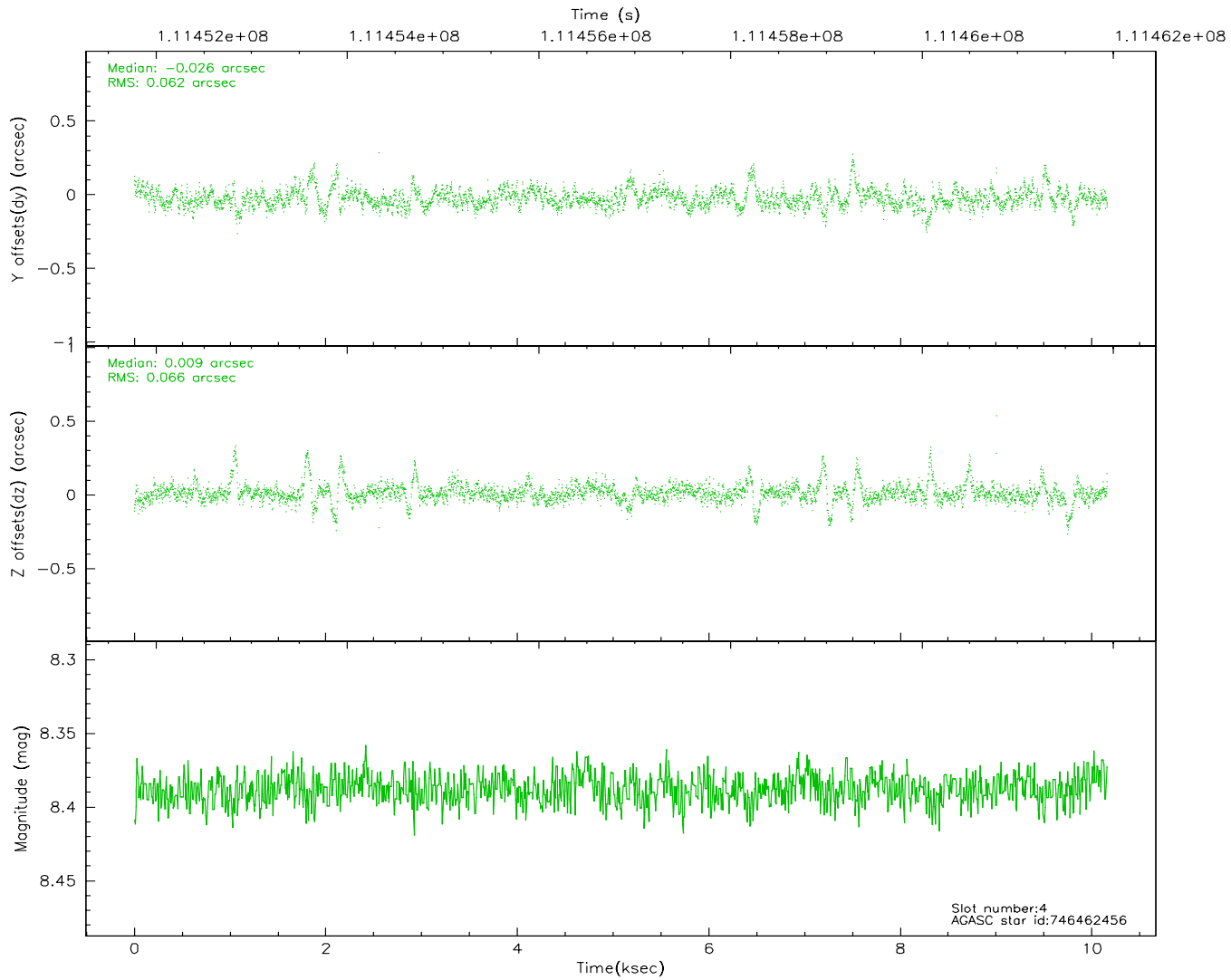
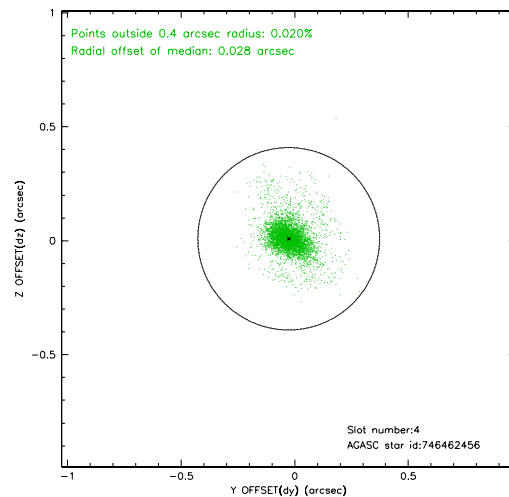
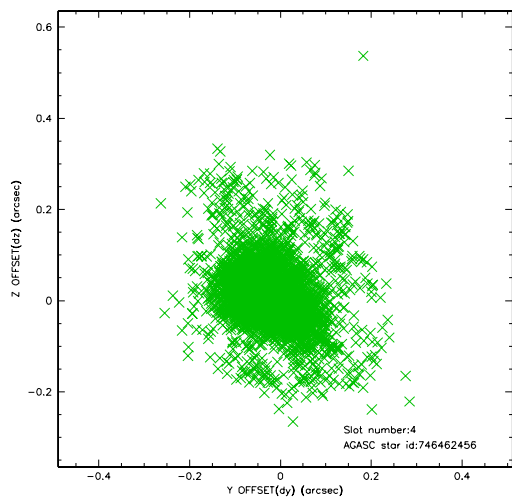
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.99	2478	0.070	0.041	0.011	0.019	0.000000	0.000000	-757.93	-1291.07
1	FID	HRC-I-3	7.07	2478	0.004	-0.056	0.012	0.022	0.000000	0.000000	-1186.70	1012.89
2	FID	HRC-I-4	7.02	2478	0.040	-0.073	0.007	0.011	0.000000	0.000000	1284.44	1011.32
3	GUIDE	746455152	7.81	4933	-0.046	0.026	0.075	0.850	278.447893	-9.976732	-1699.66	-1146.30
4	GUIDE	746462456	8.39	4955	-0.026	0.009	0.081	0.189	278.652171	-10.530173	-629.85	683.52
5	GUIDE	746460272	8.92	4955	0.013	-0.084	0.082	0.207	278.847488	-10.152127	-2118.79	346.87
6	GUIDE	746460328	9.81	4953	0.055	0.027	0.126	0.219	278.603974	-9.898096	-2271.35	-901.42
7	GUIDE	746461728	9.79	4940	0.019	0.016	0.135	0.240	278.986921	-10.530755	-1384.84	1596.72

2.4 Star Slots

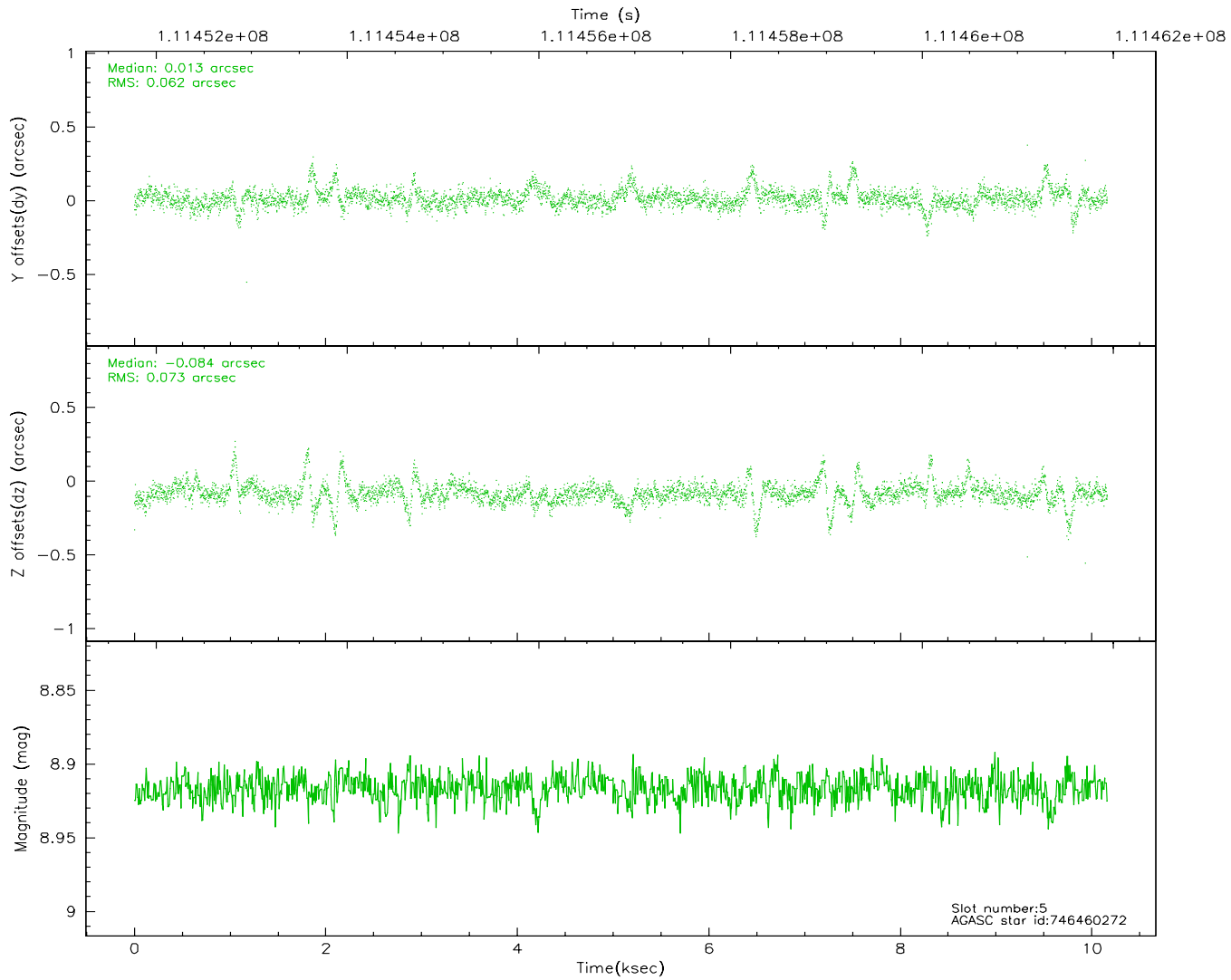
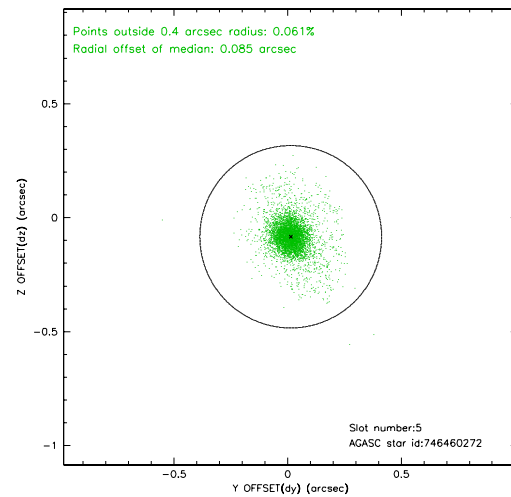
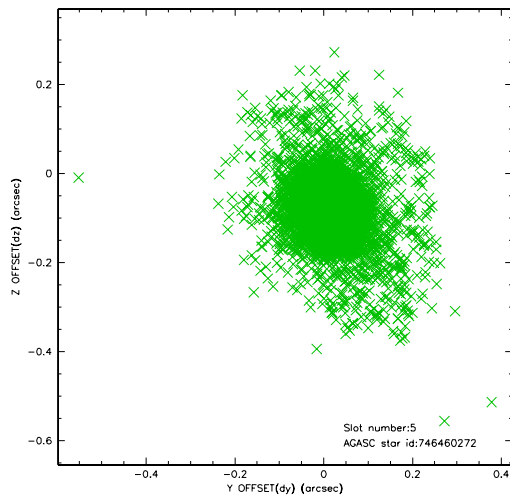
2.4.1 Slot 3



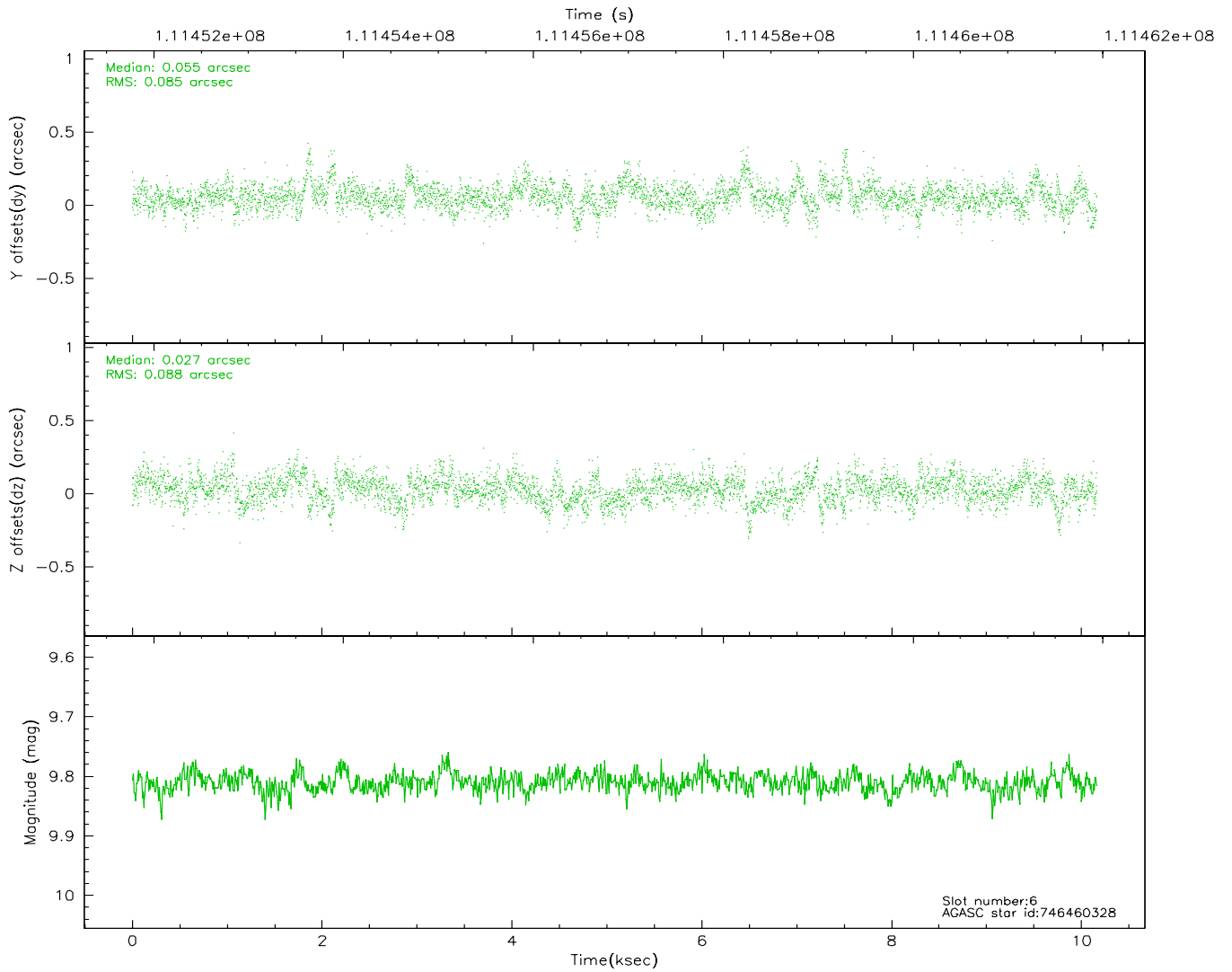
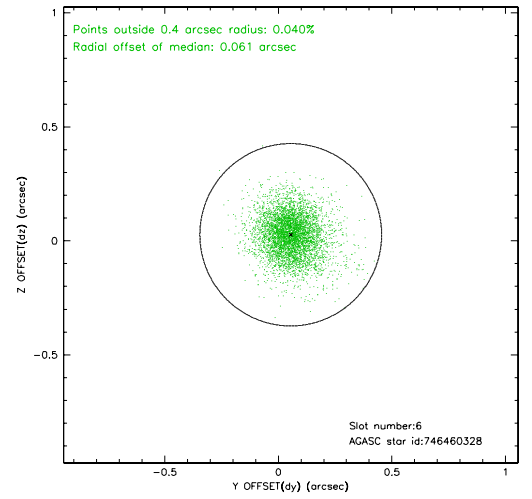
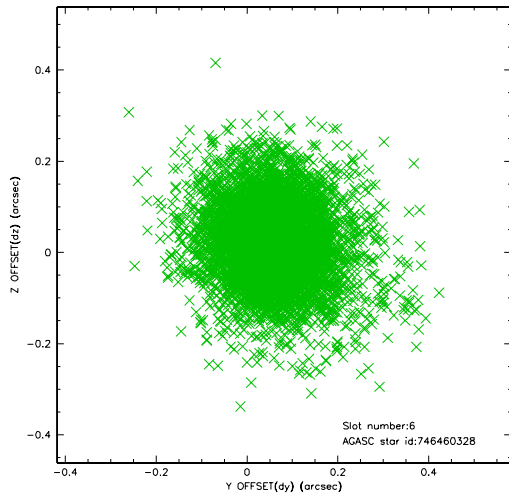
2.4.2 Slot 4



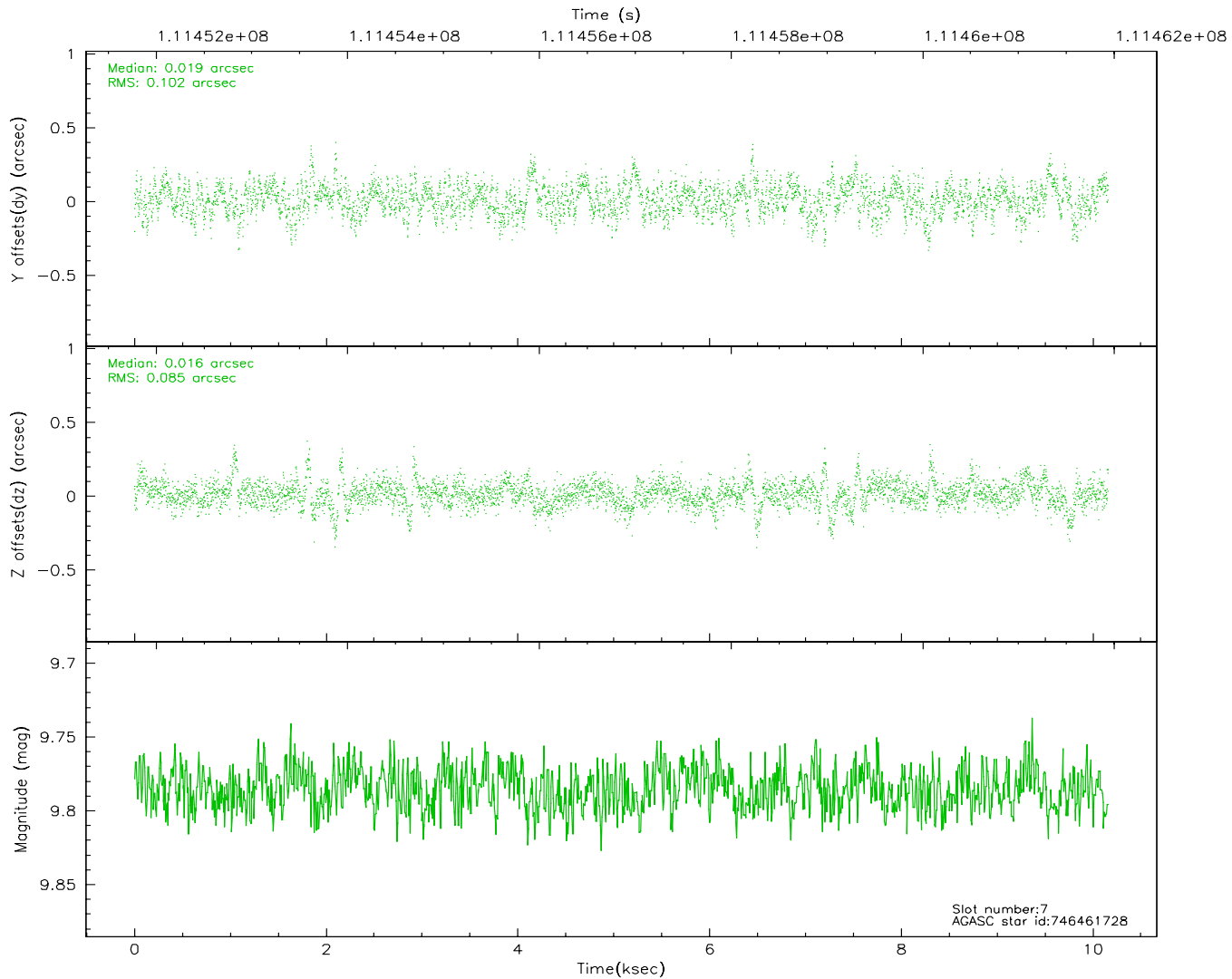
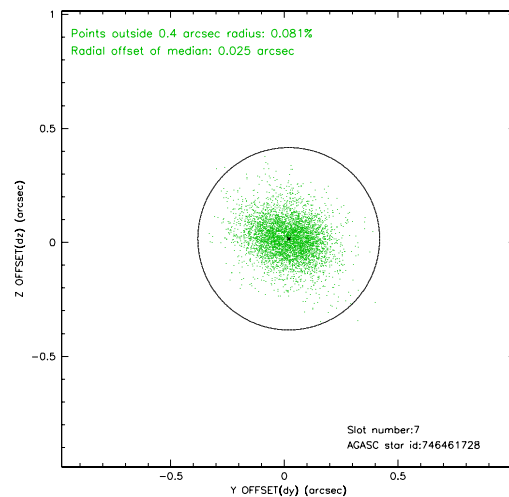
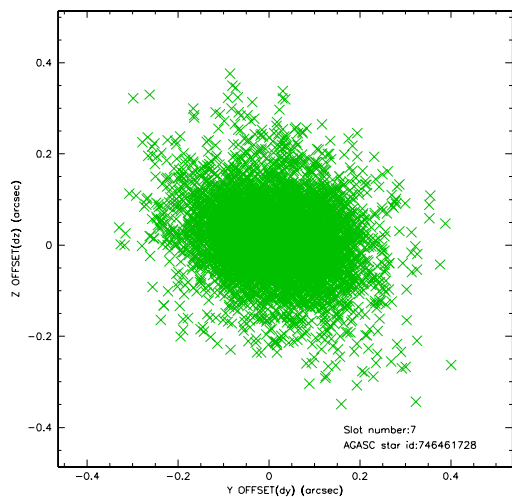
2.4.3 Slot 5



2.4.4 Slot 6

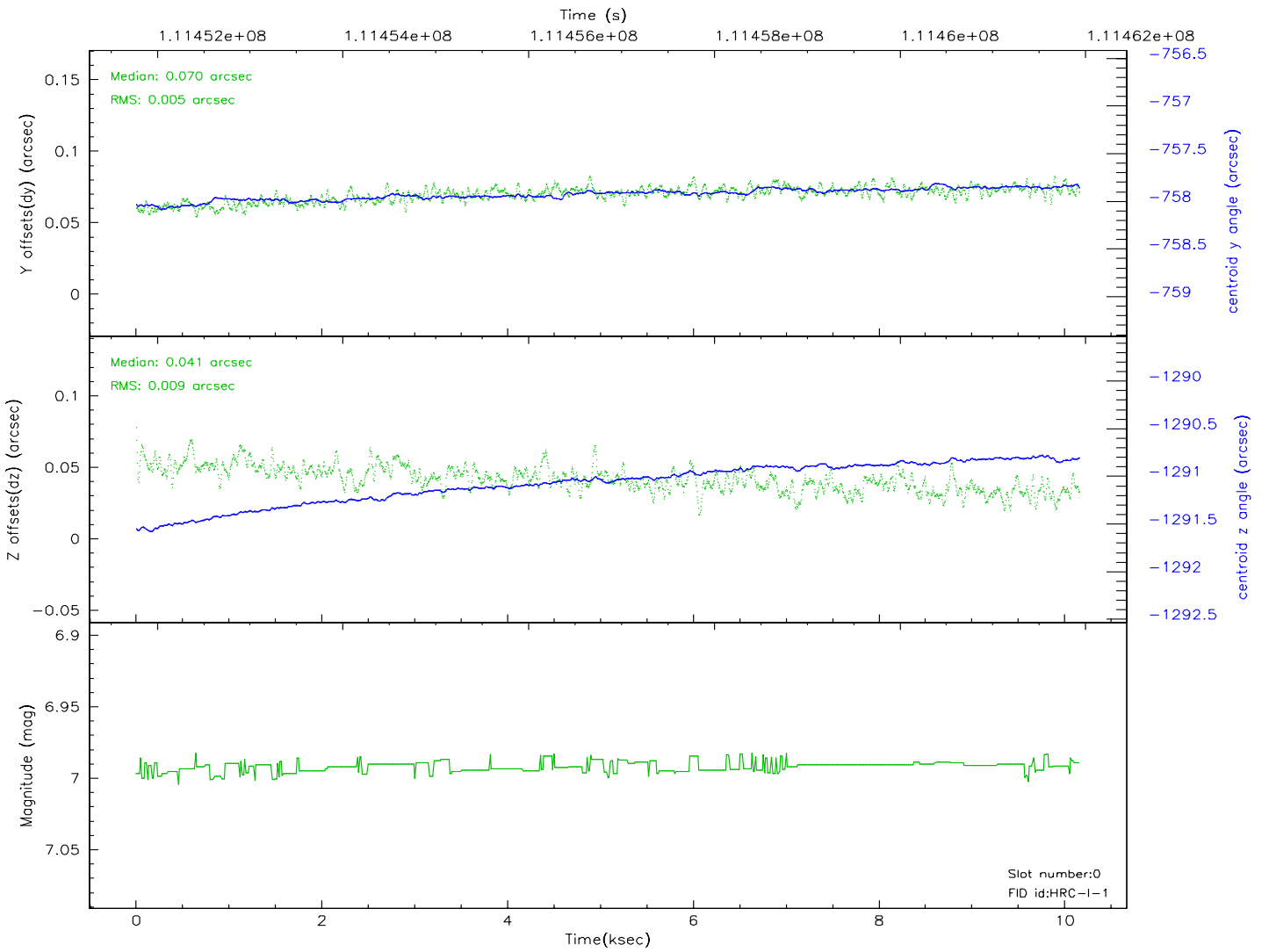
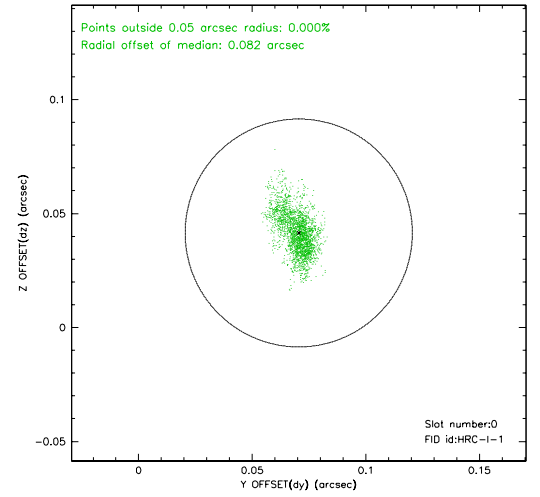
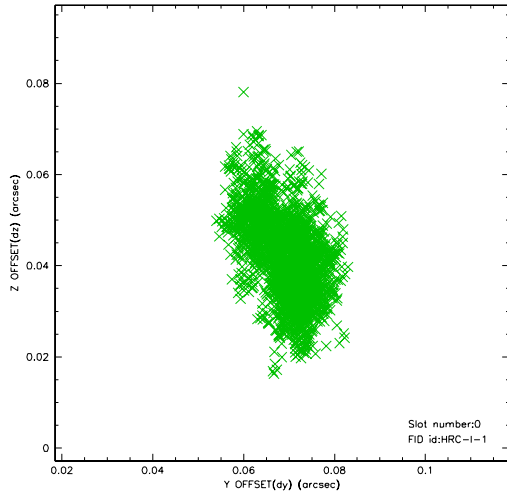


2.4.5 Slot 7

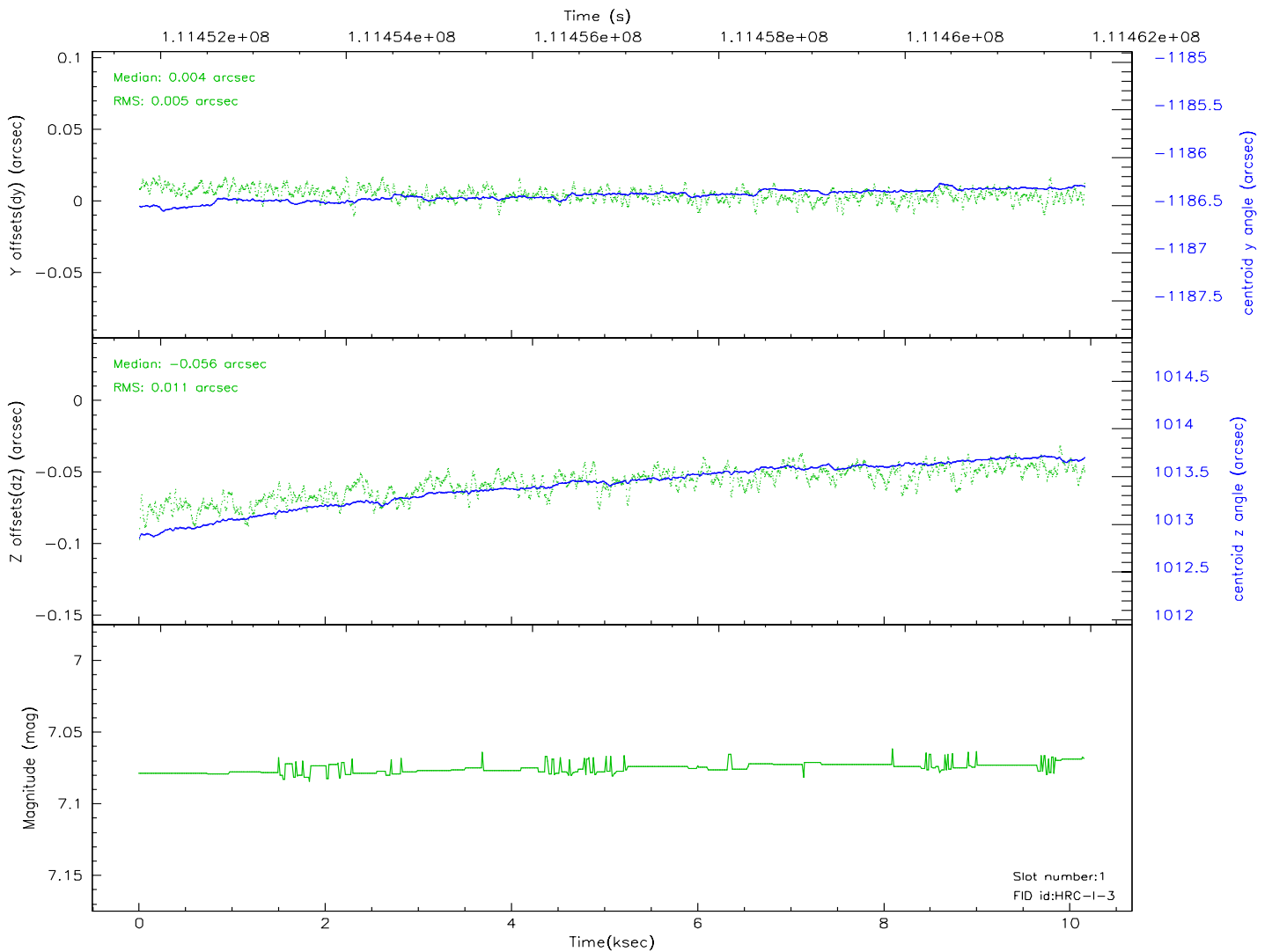
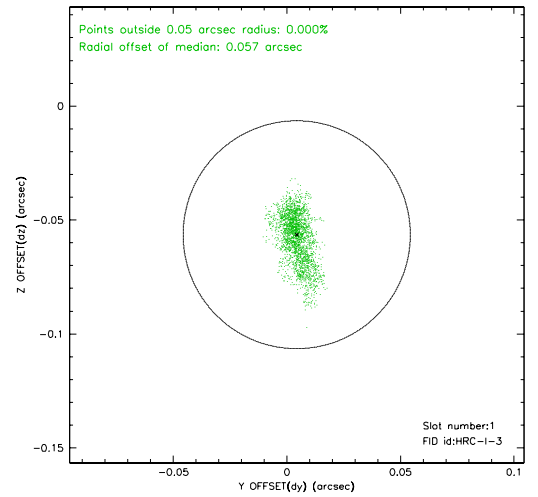
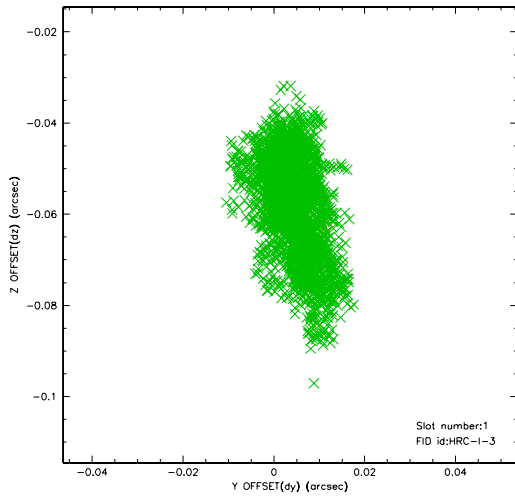


2.5 FID Slots

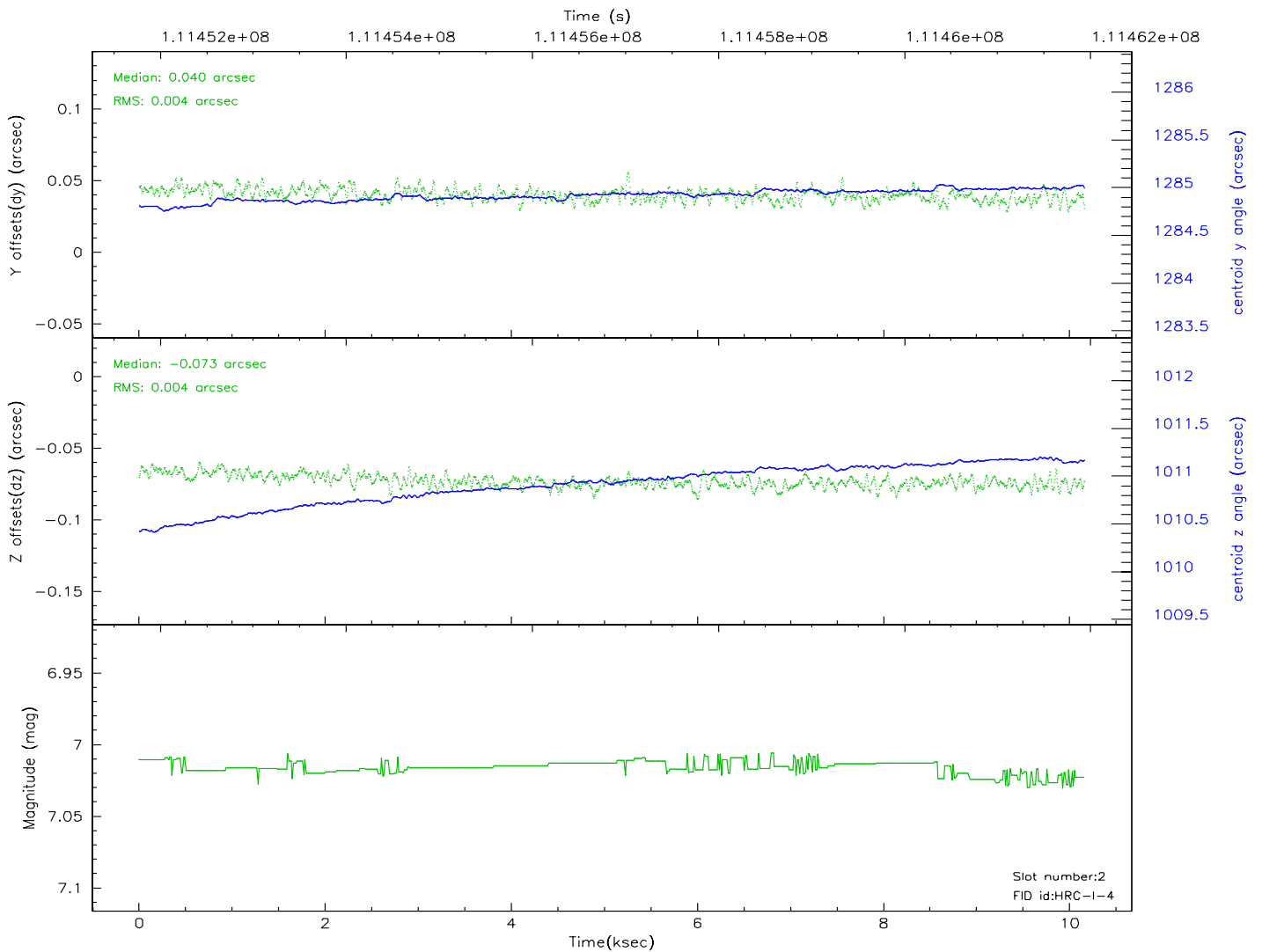
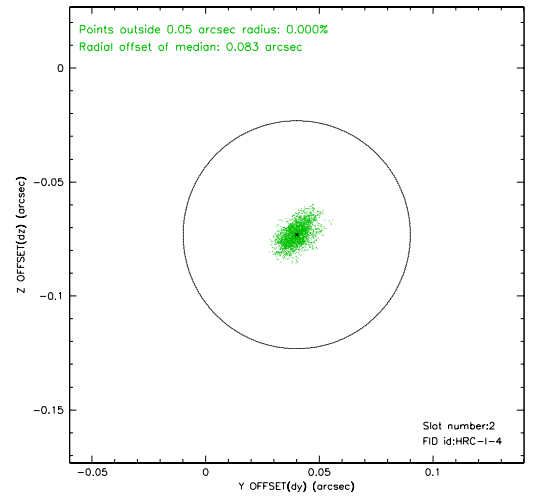
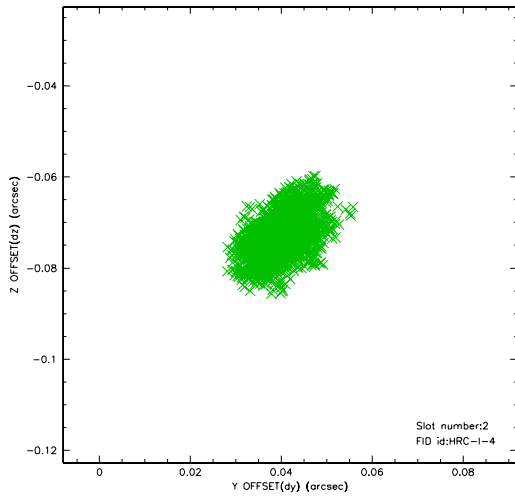
2.5.1 Slot 0



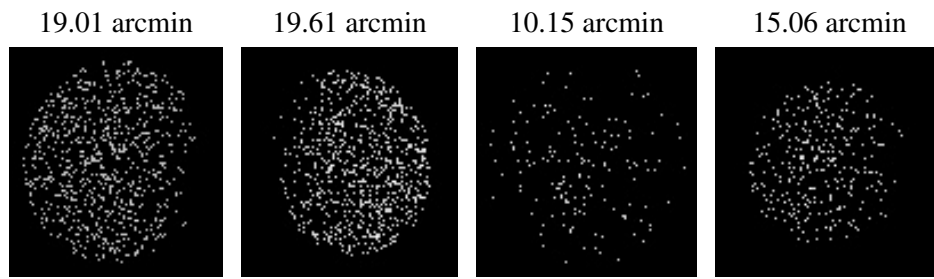
2.5.2 Slot 1



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	10.152

A.2 Comments

Window 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.