

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 3687 - L2 Version 3
Chandra X-Ray Center

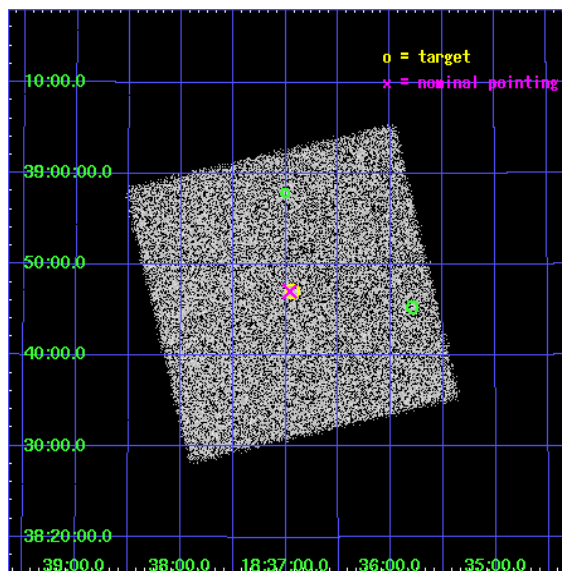
L2 Processing Date : Nov 21 2007

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
3	Point Sources	17
A	Summary	18
A.1	Status	18
A.2	Comments	18

1 Front

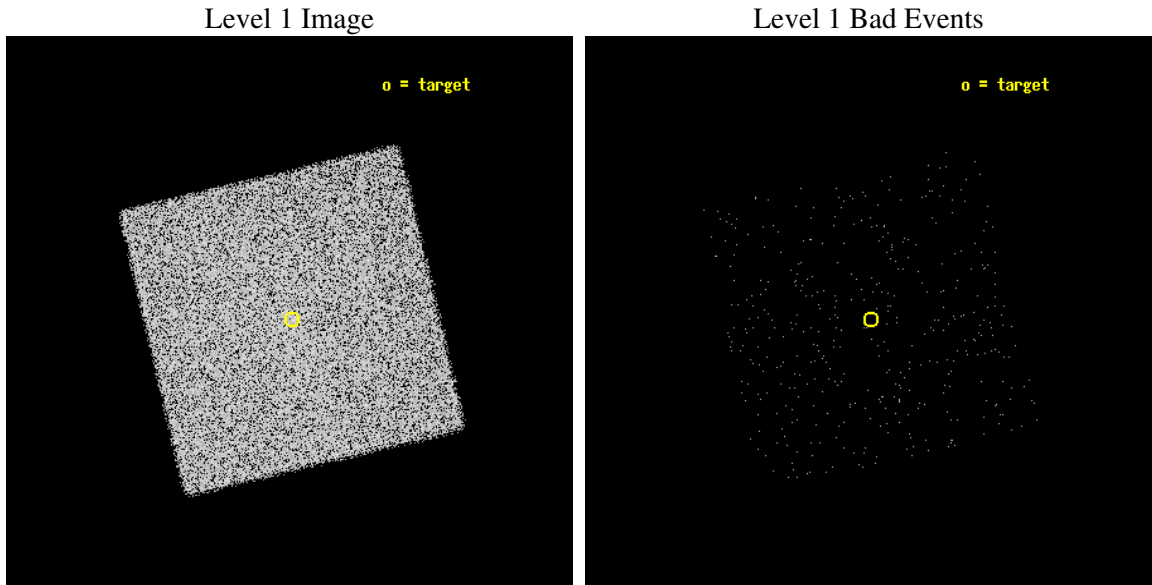
seq_num	290241
obs_id	3687
title	AO4 MEASUREMENTS OF THE OPTICAL/UV TRANSMISSION OF THE HRC AND ACIS FILTERS
observer	Dr. CXC Calibration
object	VEGA
ra_targ	279.235
dec_targ	38.783778
ra_nom	279.2401549802
dec_nom	38.784461085232
roll_nom	31.709850473789
revision	3
ontime	1983.6313332021
livetime	1973.5681522079
l2events	54529



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	2007-11-22T00:33:16
revision	3

sched_exp_time	2000.000000
ontime	1983.6313332021
l1events	86814

2.1.3 Events

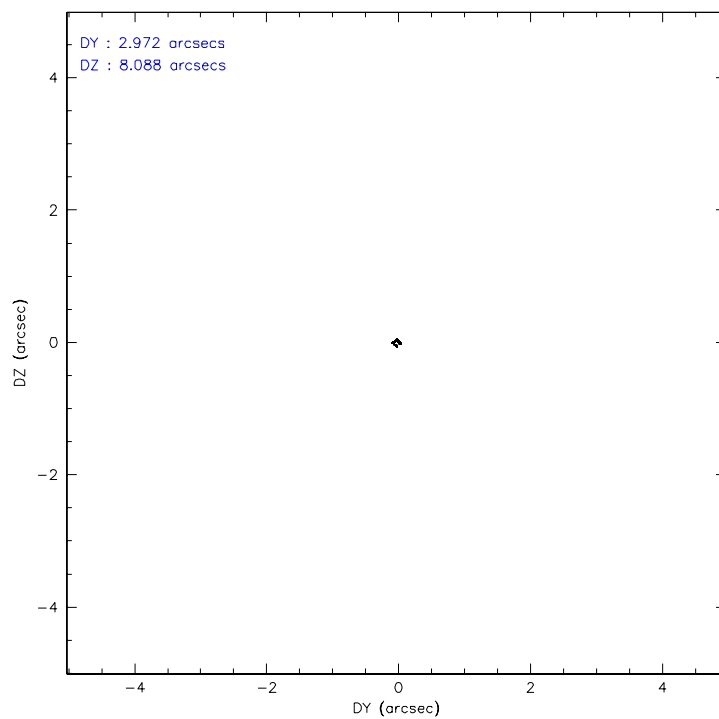
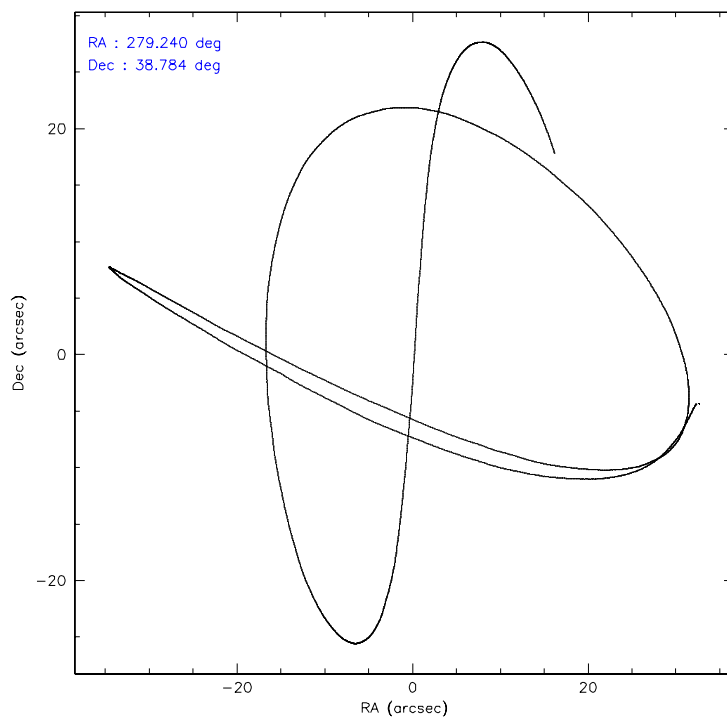
Level 1 Events

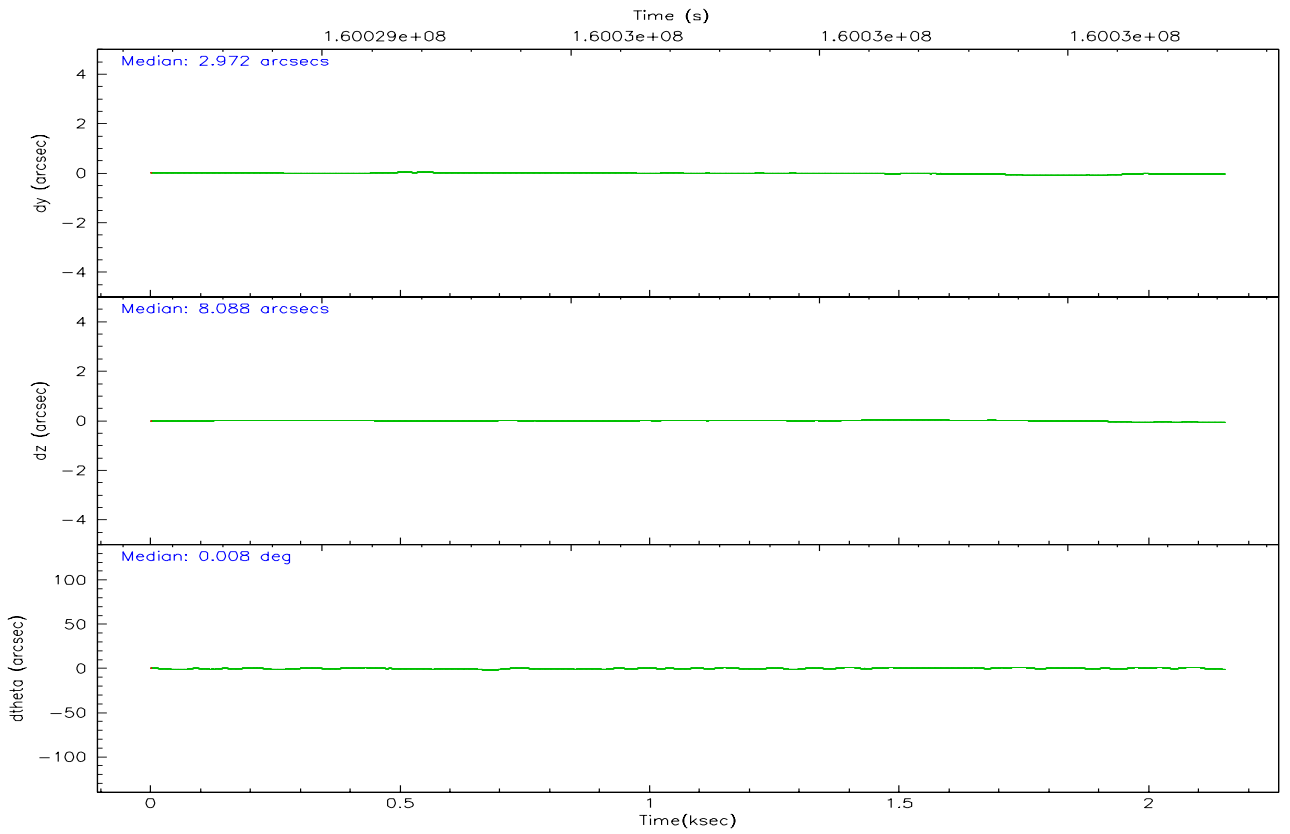
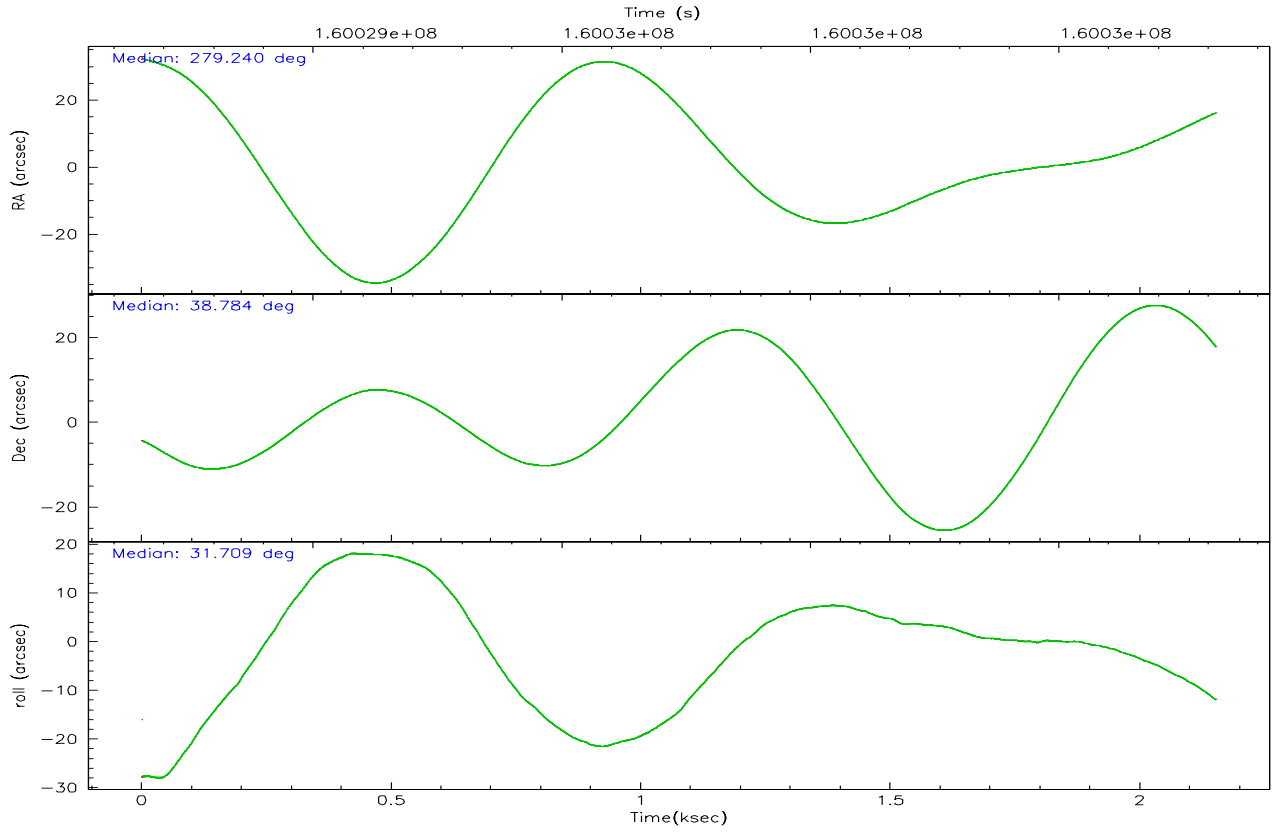
	segment 0
level 1 events	86814
rejected events	7041
rejected %	8%

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	279.224515	279.240154980205			
Pointing Dec	38.760280	38.78446108523187			
Pointing Roll	31.815140	31.70985047378855			
Window start time	158976064.184000	158976064.184000			
Window stop time	161654464.184000	161654464.184000			
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	160028809.184000	160028410.72443			
Observation start date	2003-01-27T04:25:45	2003-01-27T04:20:10			
Observation end time	160030809.184000	160030943.49954			
Observation end date	2003-01-27T04:59:05	2003-01-27T05:02:23			

2.3 Aspect



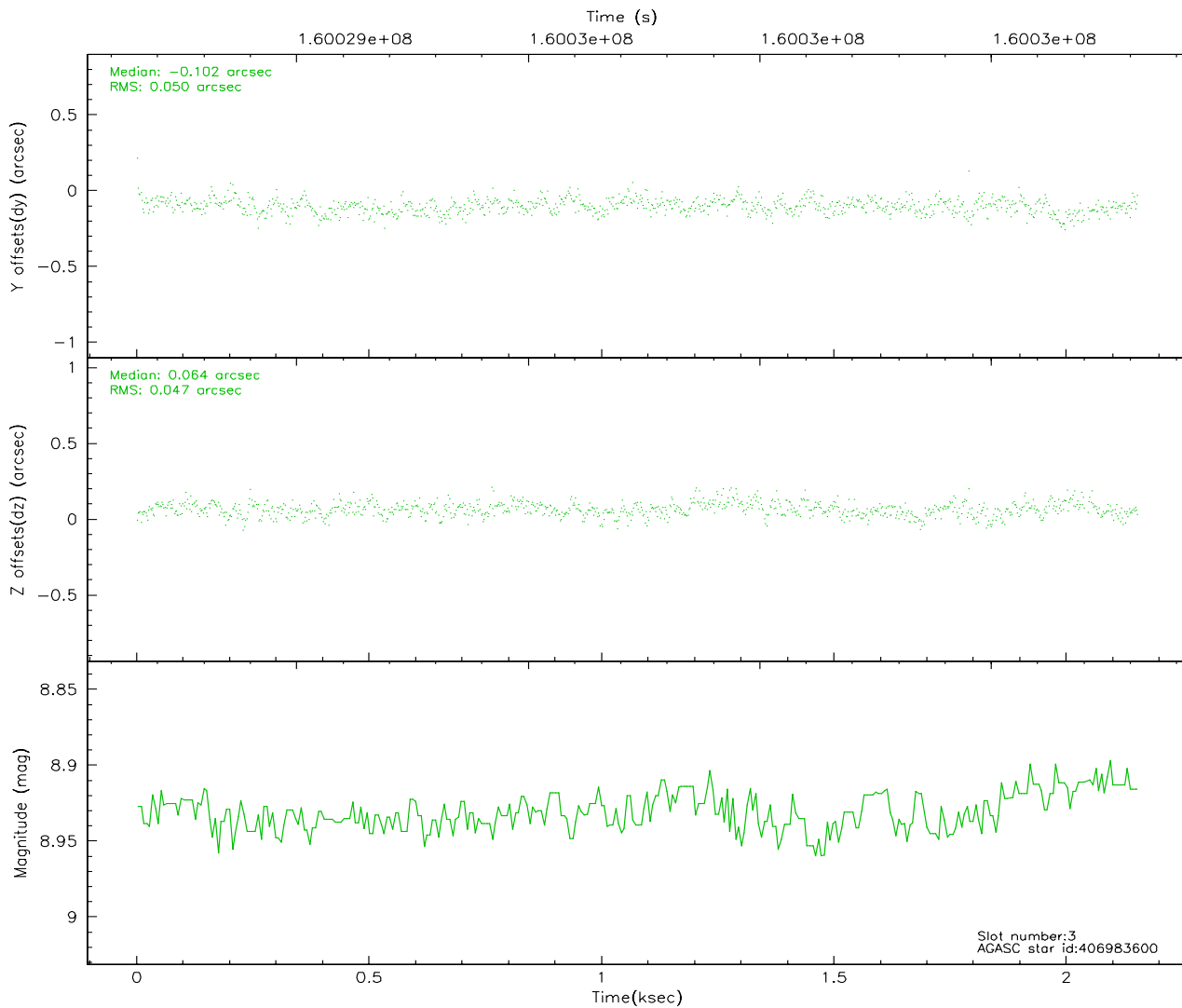
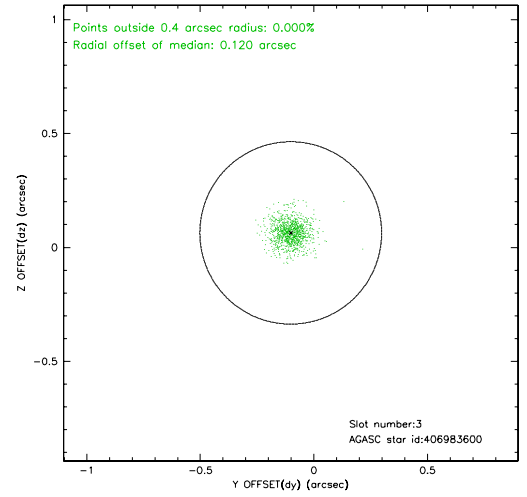
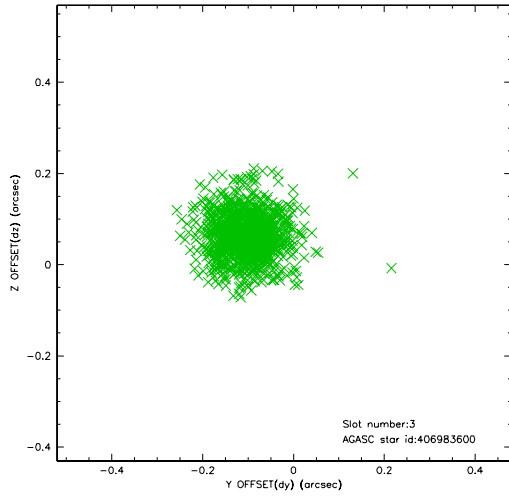


Slot Statistics

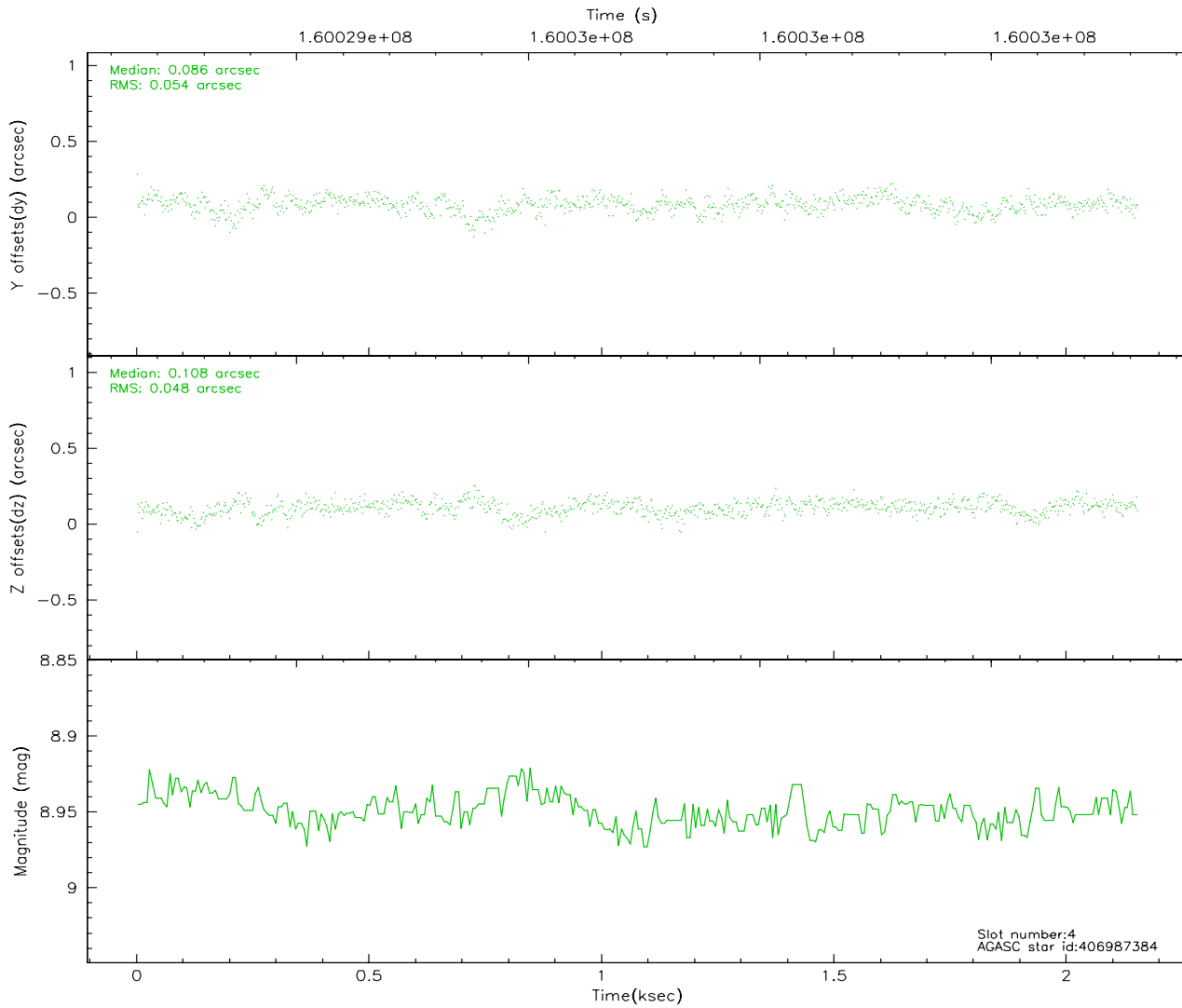
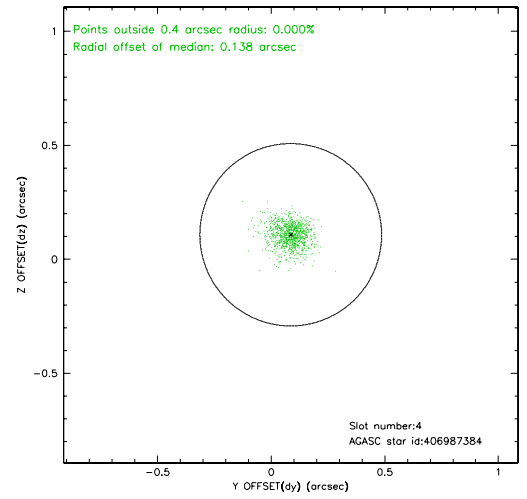
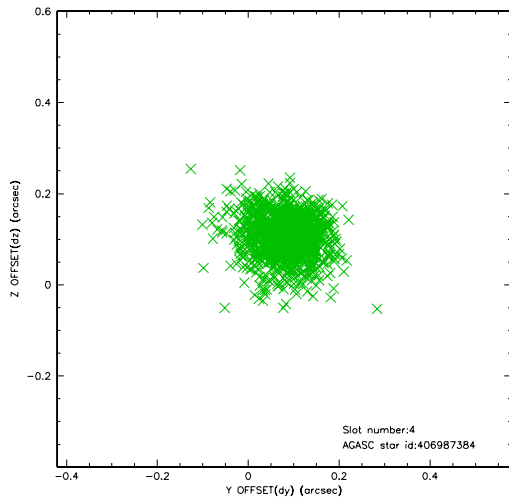
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.01	526	0.029	0.051	0.007	0.012	0.000000	0.000000	-758.40	-1295.91
1	FID	HRC-I-2	7.04	526	0.088	-0.090	0.006	0.010	0.000000	0.000000	852.85	-1300.08
2	FID	HRC-I-3	7.09	526	0.002	-0.050	0.006	0.011	0.000000	0.000000	-1185.30	1006.08
3	GUIDE	406983600	8.93	1048	-0.102	0.064	0.071	0.124	279.940957	39.020708	2201.55	-253.37
4	GUIDE	406987384	8.95	1051	0.086	0.108	0.075	0.125	278.815518	38.115336	-2204.52	-1360.46
5	GUIDE	406990192	8.99	1051	0.059	-0.149	0.072	0.115	278.510952	38.533654	-2135.20	371.06
6	GUIDE	407521232	8.66	1051	-0.019	-0.081	0.066	0.116	279.628883	39.431715	2229.35	1463.59
7	GUIDE	406993992	7.62	1050	-0.015	0.057	0.078	0.122	279.053714	38.034587	-1786.02	-1963.20

2.4 Star Slots

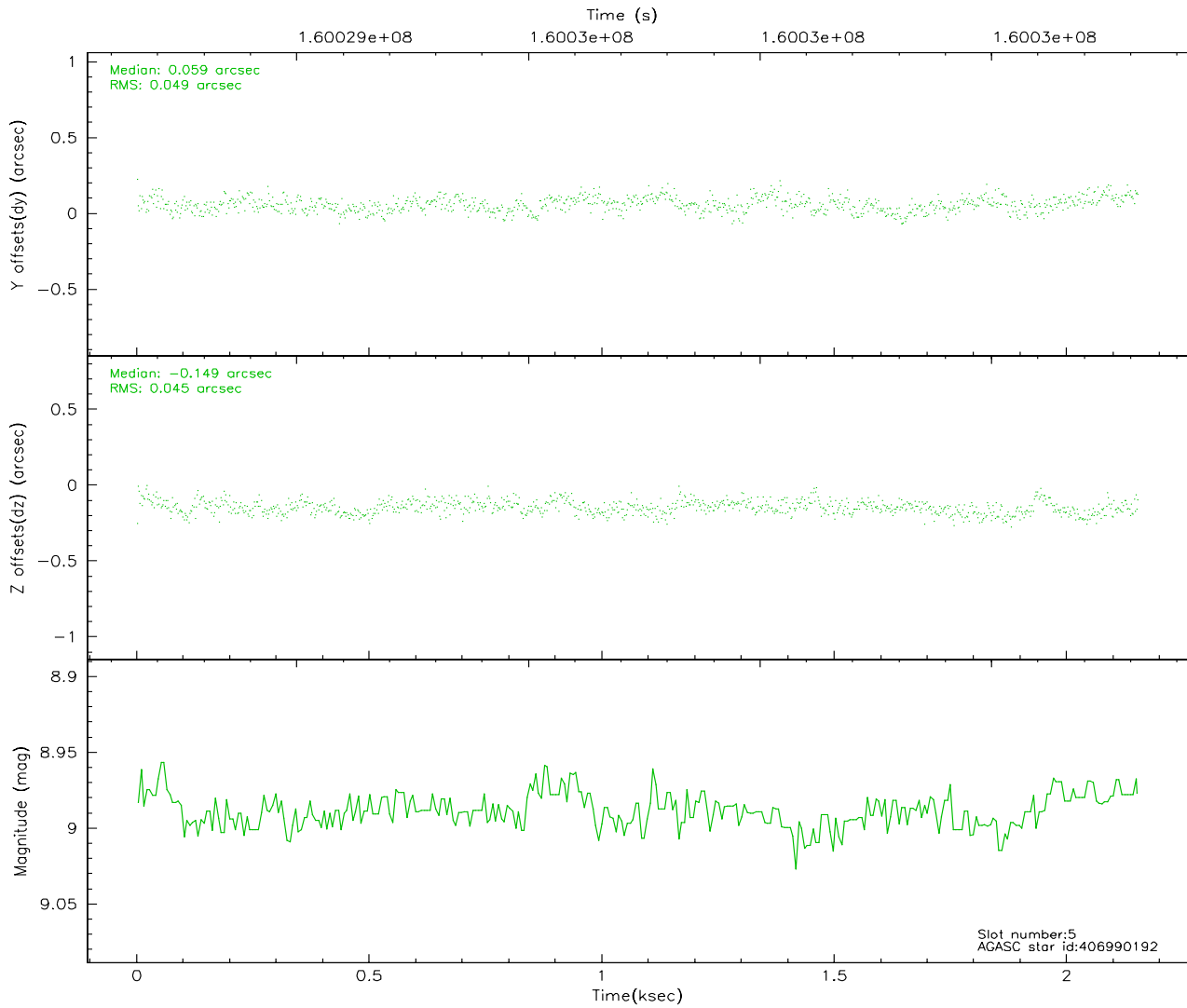
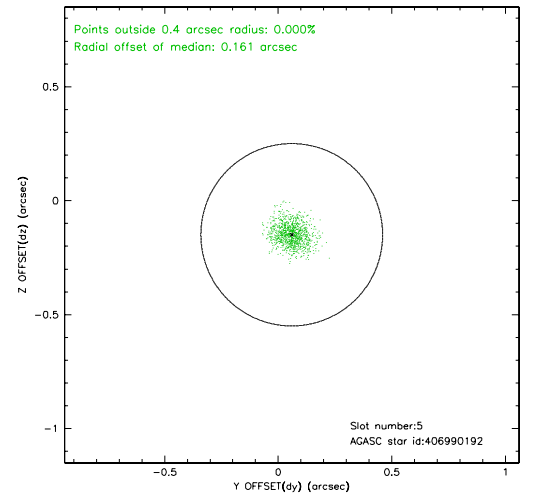
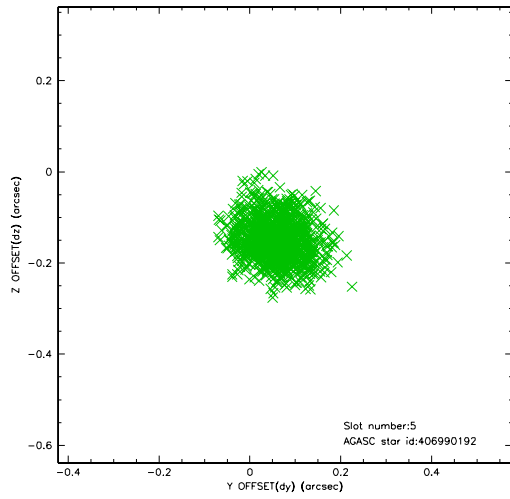
2.4.1 Slot 3



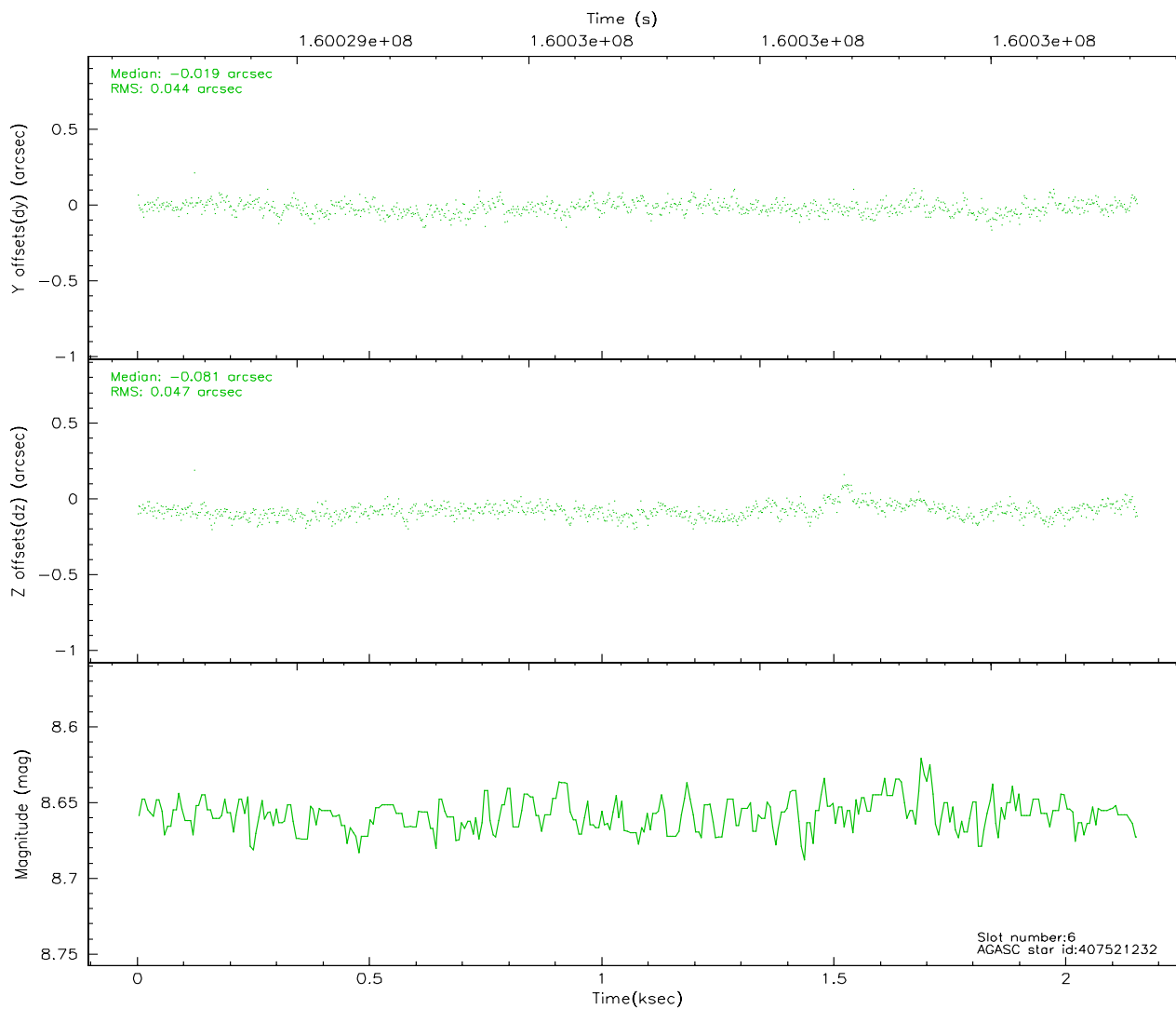
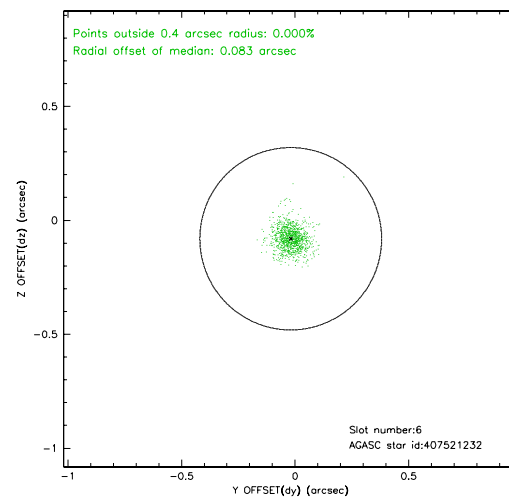
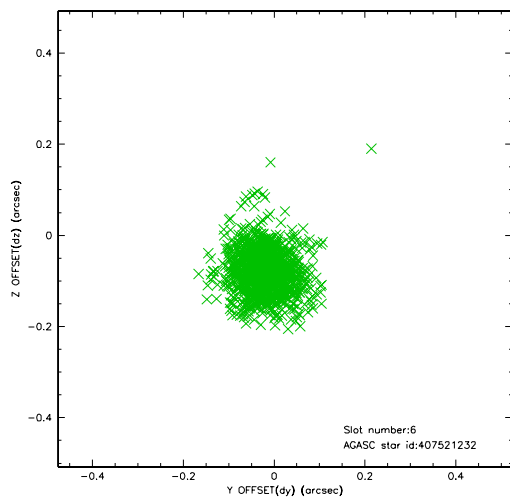
2.4.2 Slot 4



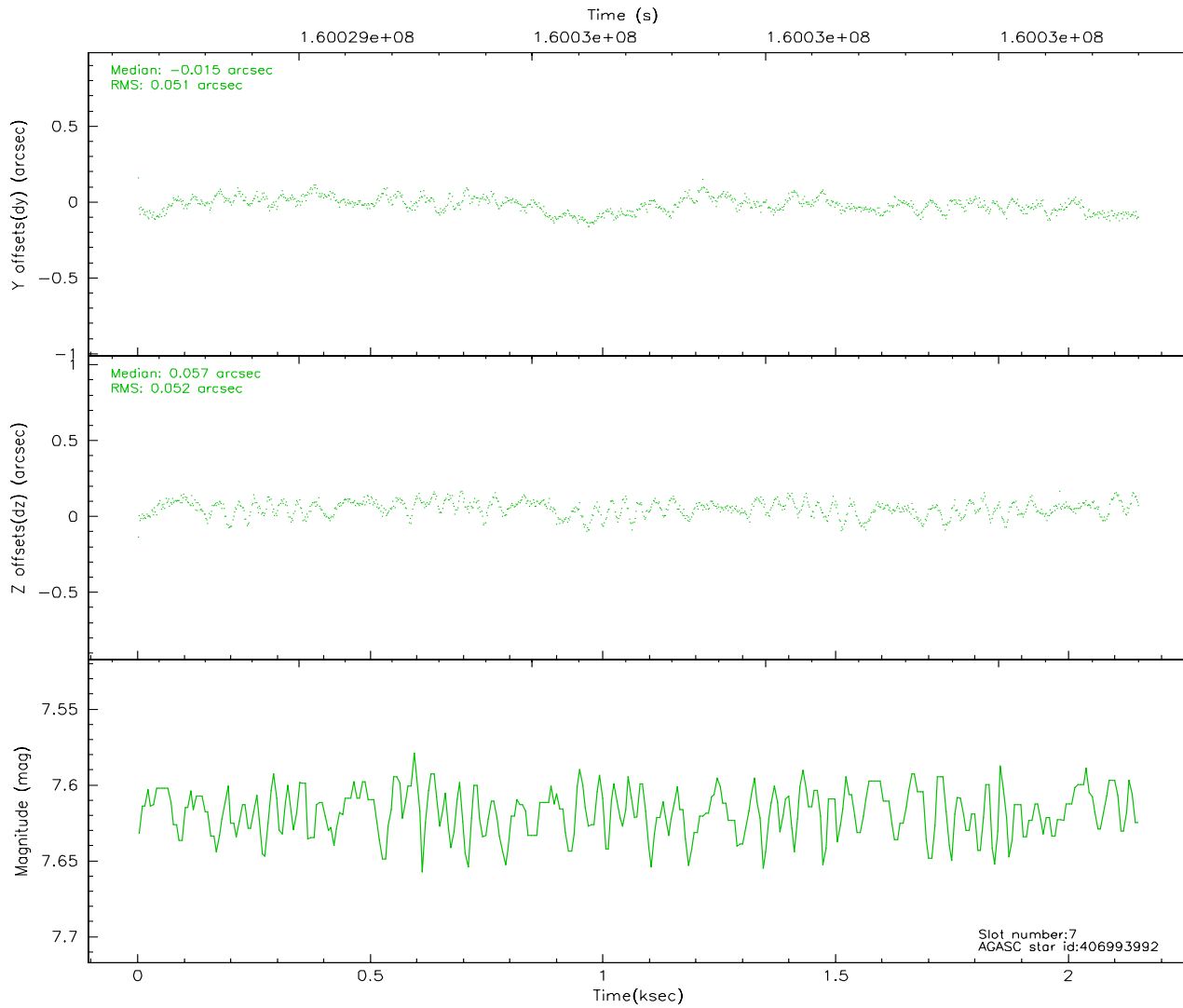
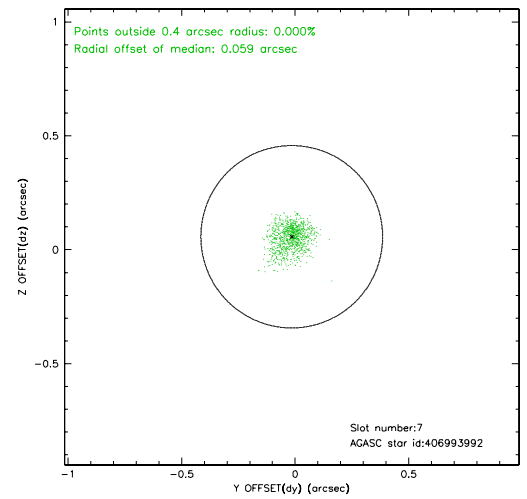
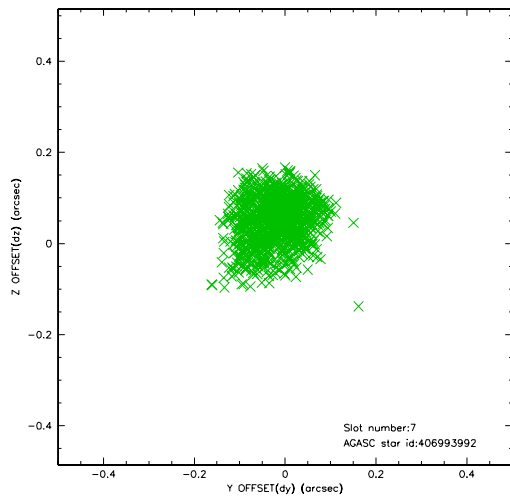
2.4.3 Slot 5



2.4.4 Slot 6

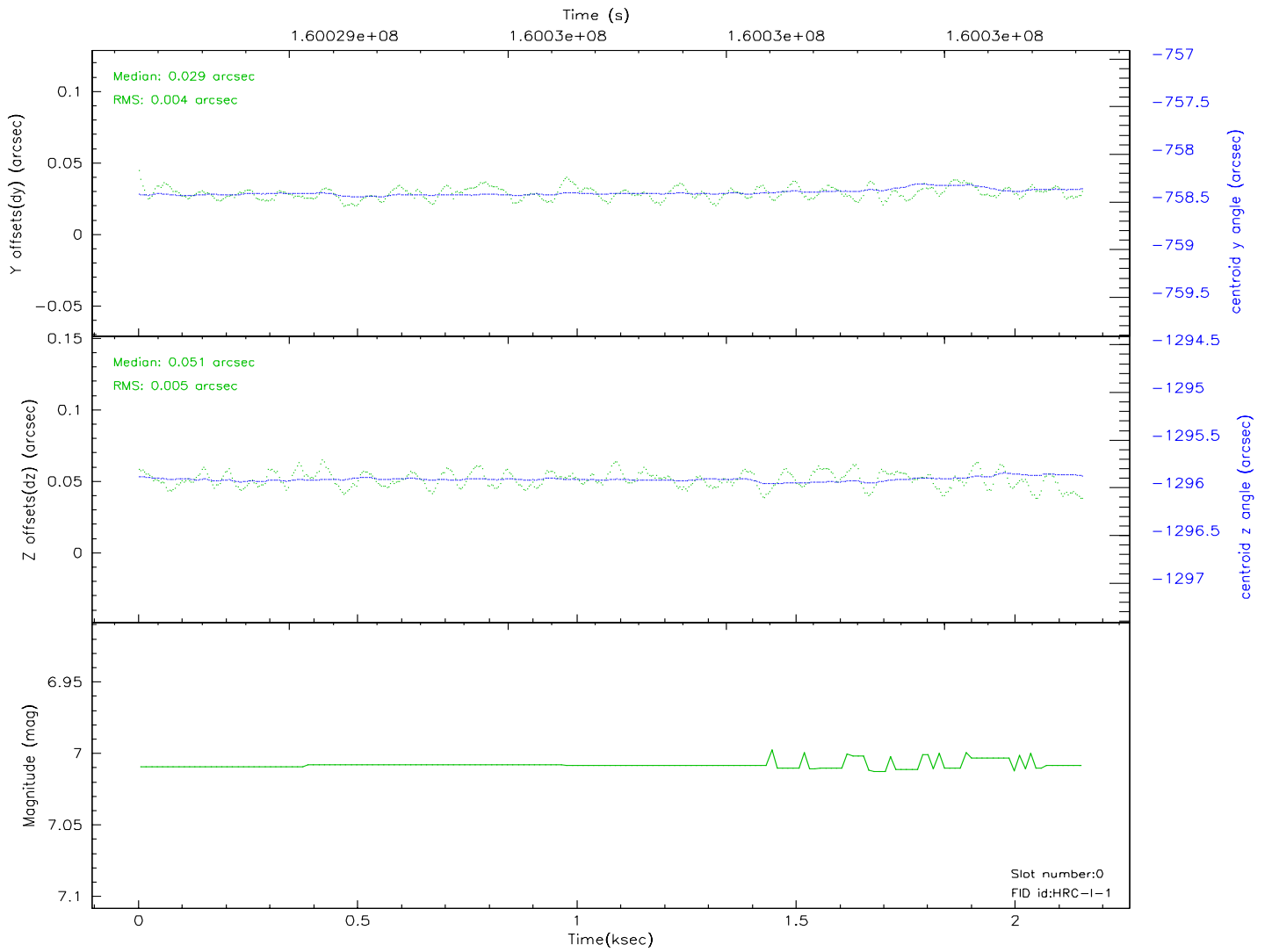
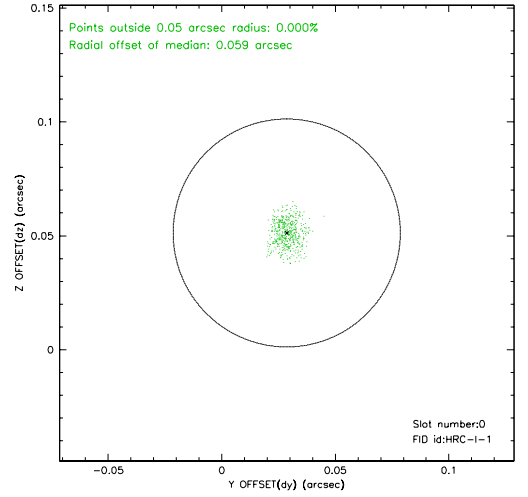
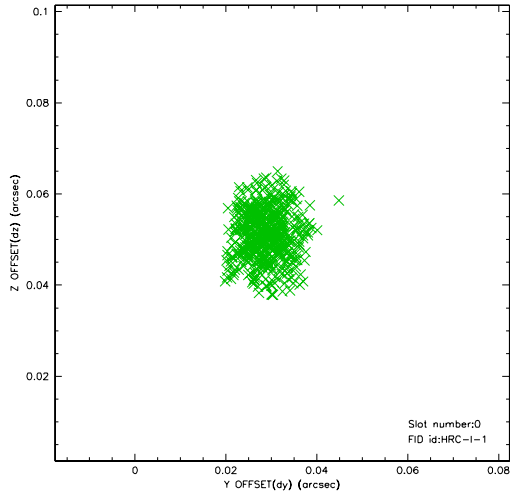


2.4.5 Slot 7

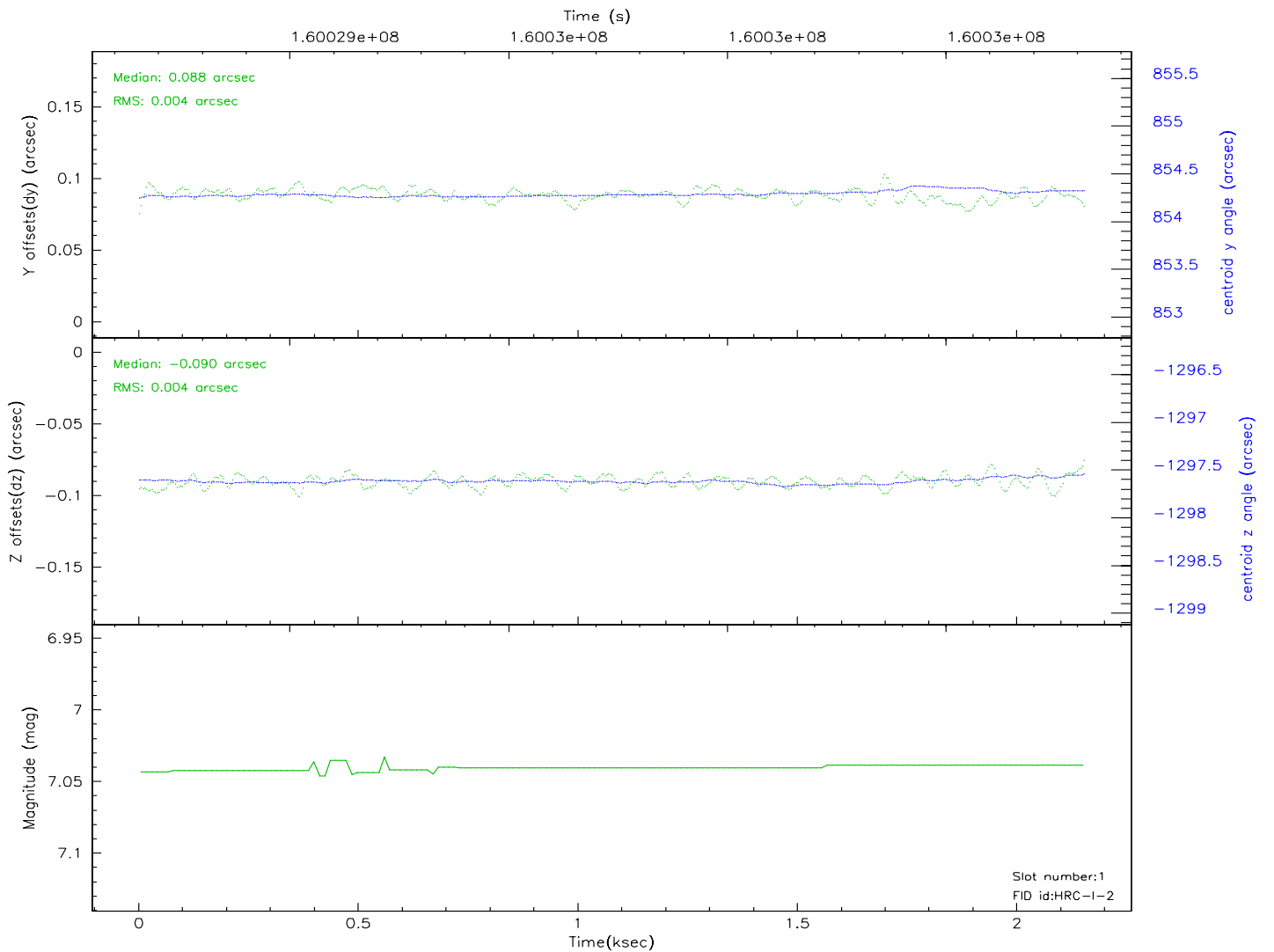
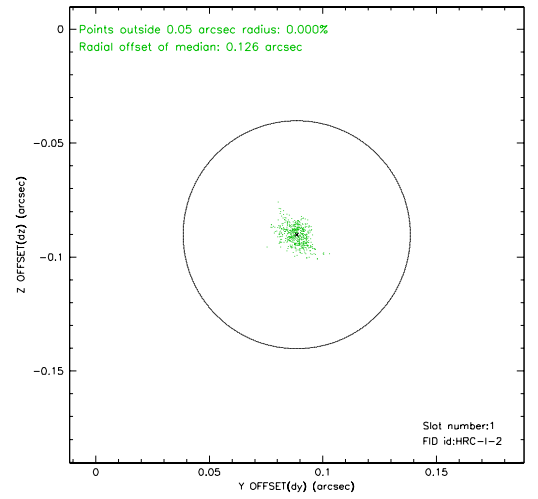
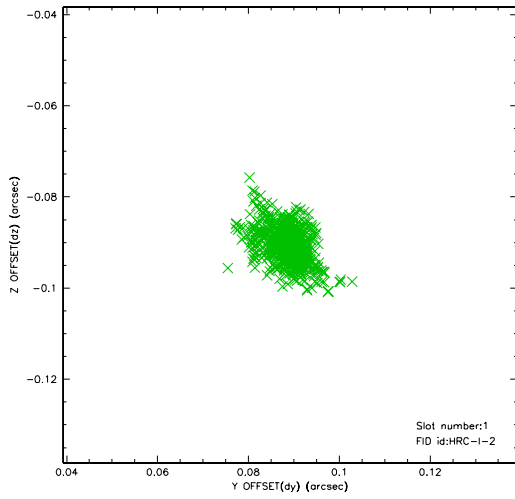


2.5 FID Slots

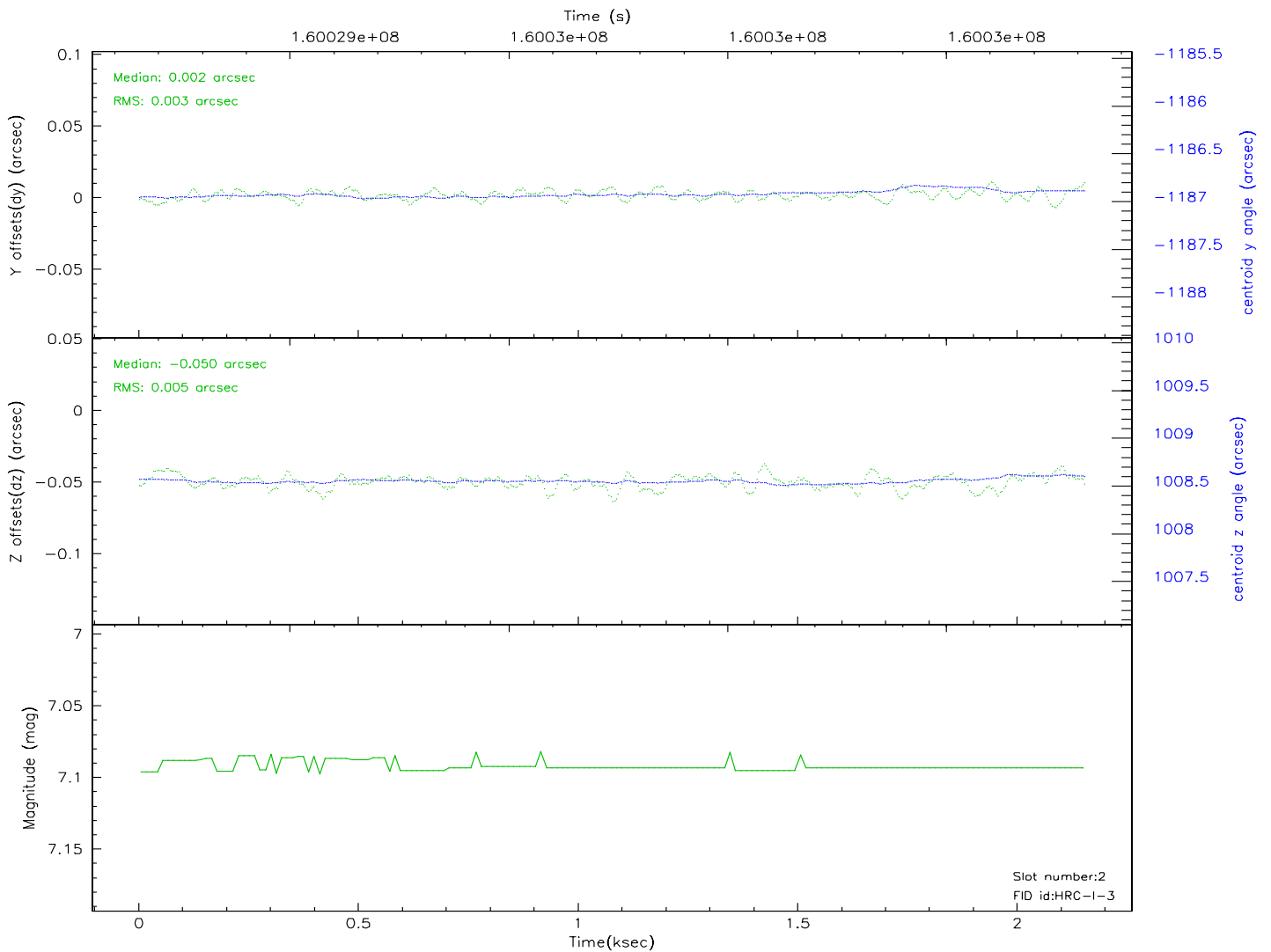
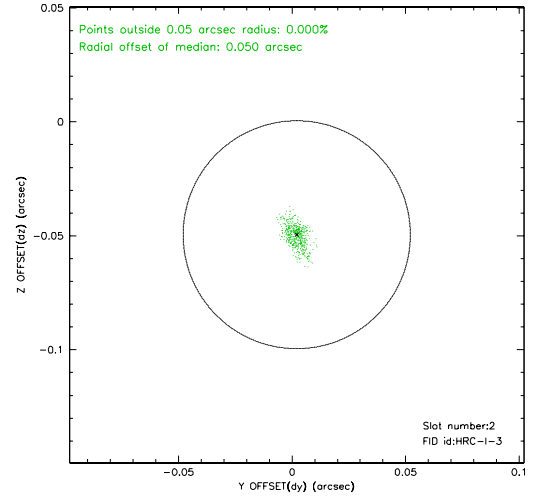
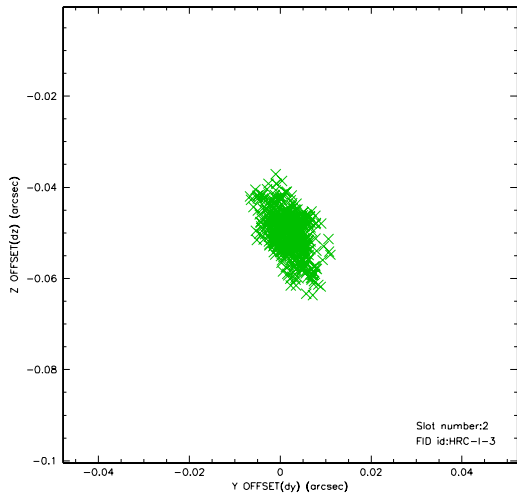
2.5.1 Slot 0



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)	2007.12.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.983

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.