

V&V Reference Report

L2 ASCDS Version : 7.6.8.1

Observation 2612 - L2 Version 3
Chandra X-Ray Center

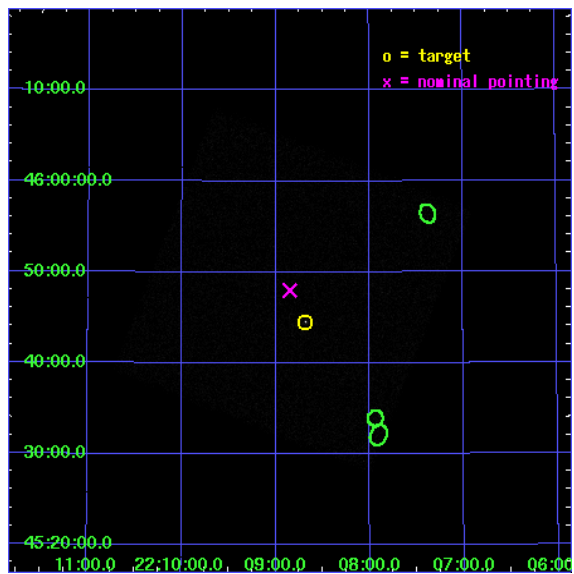
L2 Processing Date : Nov 21 2007

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

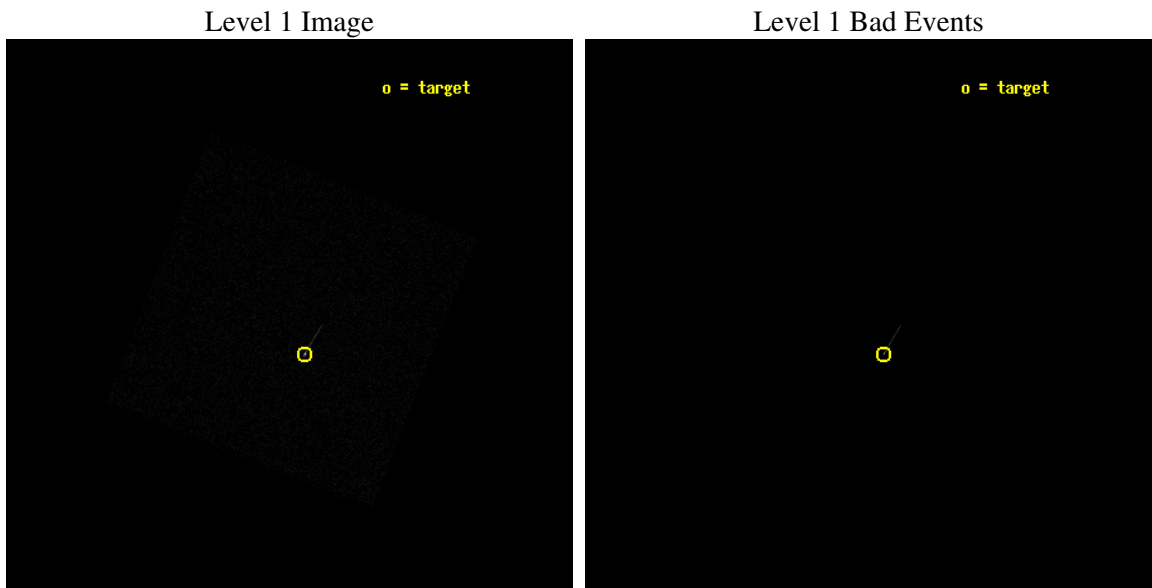
seq_num	290168
obs_id	2612
title	AO3 HRC-I CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.21185211315
dec_nom	45.799860688715
roll_nom	336.46677127422
revision	3
ontime	1200.5312983692
livetime	1193.7783103729
l2events	38423



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1
ascdsver	7.6.11.2
caldbver	3.4.1
date	2007-11-21T16:55:38
revision	3

sched_exp_time	1000.000000
ontime	1200.5312983692
l1events	68587

2.1.3 Events

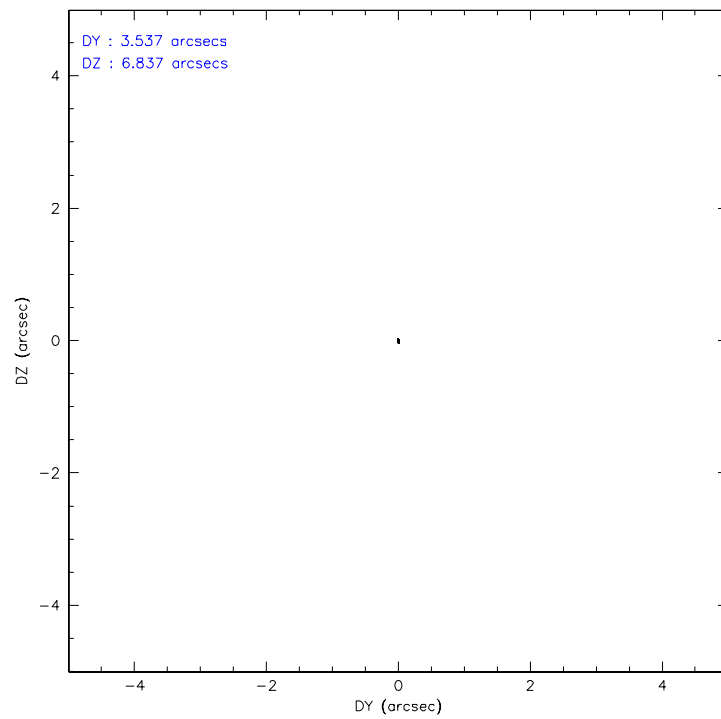
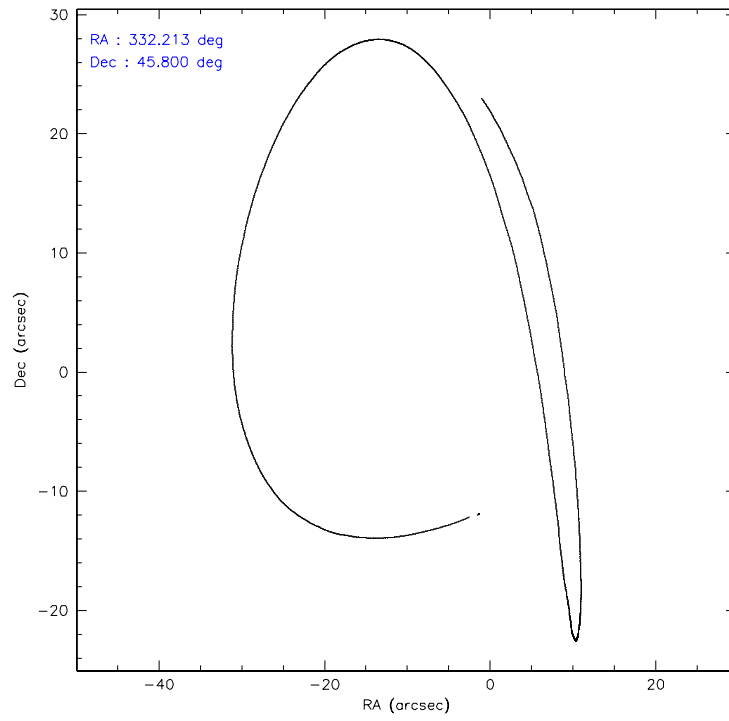
Level 1 Events

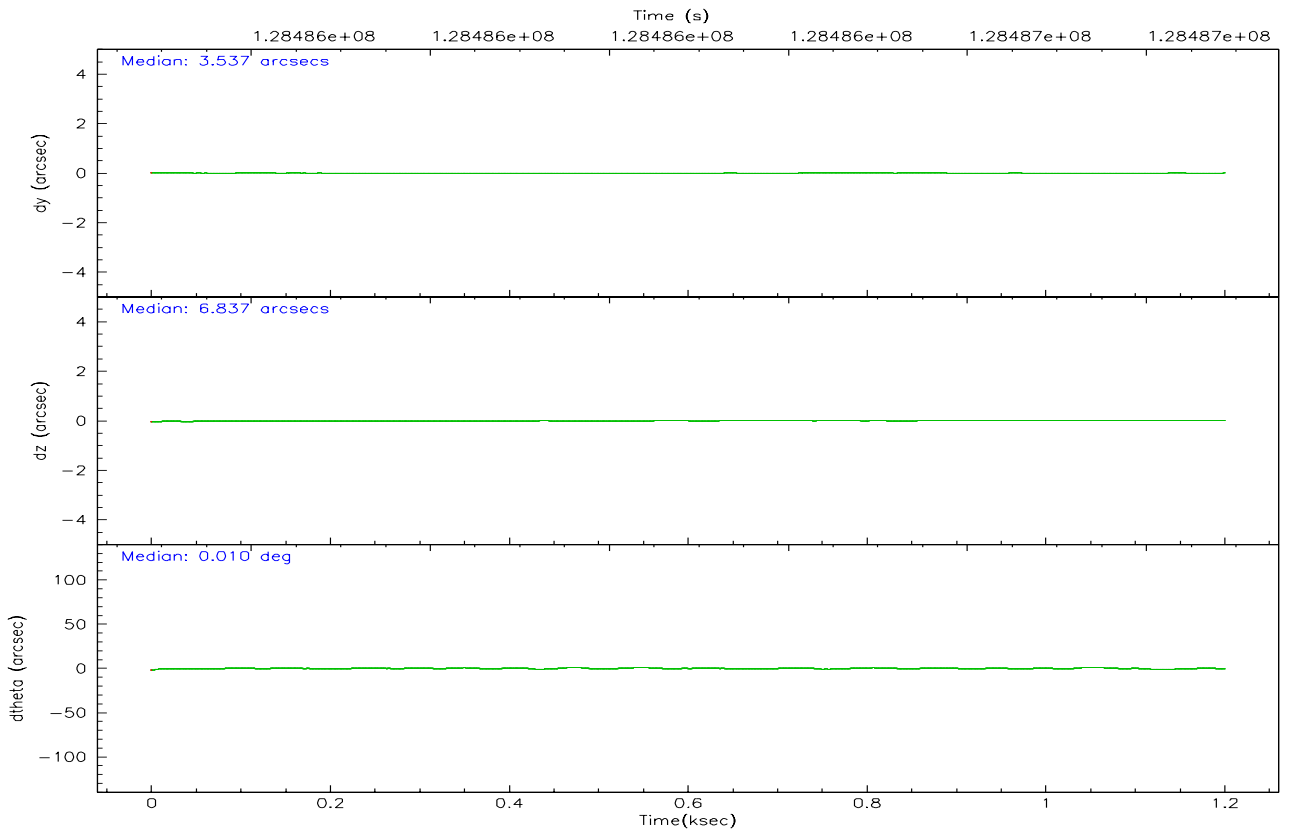
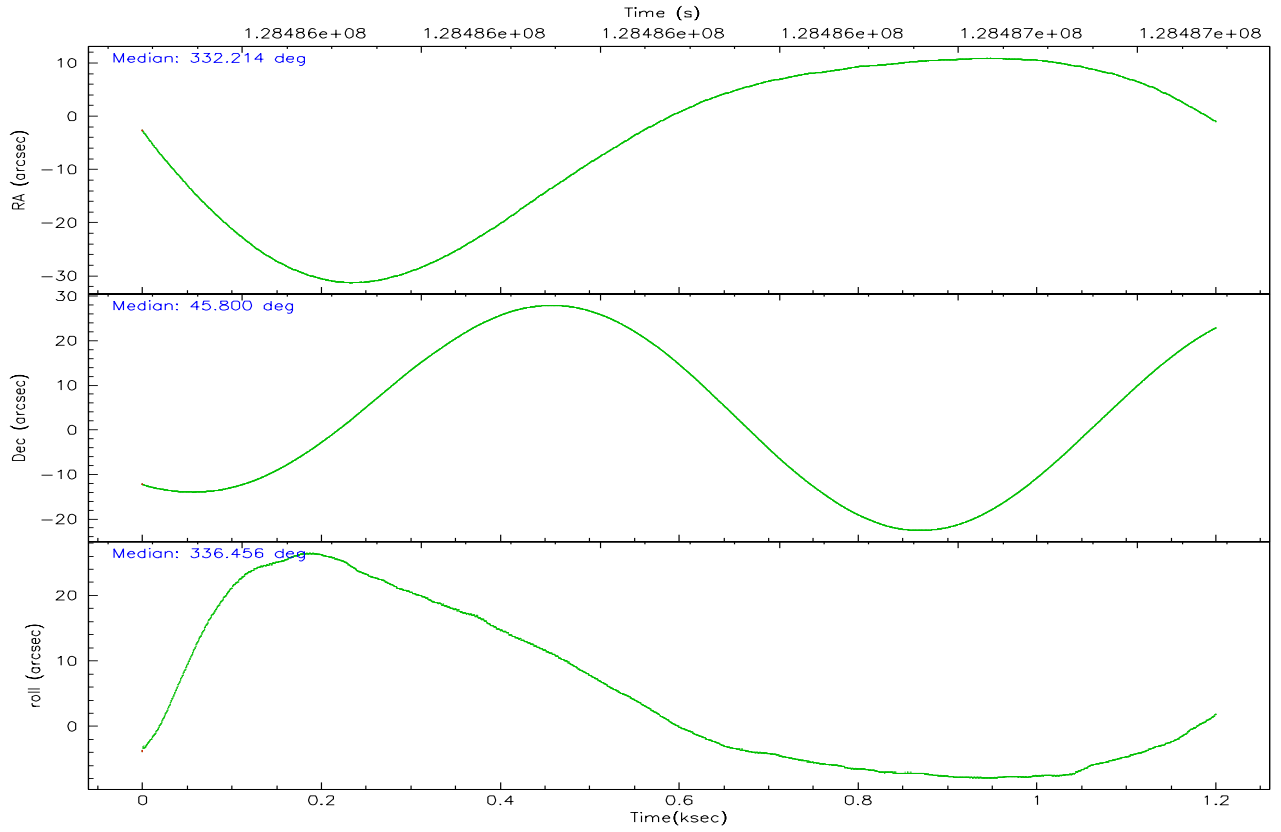
	segment 0
level 1 events	68587
rejected events	13644
rejected %	19%

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	332.173623	332.2118521131487			
Pointing Dec	45.796789	45.79986068871496			
Pointing Roll	336.589704	336.4667712742187			
SIM focus pos (mm)	-1.040293	-1.038866356238299			
SIM defocus (mm)	0	0.001426264420575141			
SIM translation stage pos (mm)	126.985494	126.9854943052878			
SIM translation stage offset (mm)	0	-5.413686238853188e-06			
Observation start time	128485889.184000	128485513.50256			
Observation start date	2002-01-27T02:30:25	2002-01-27T02:25:13			
Observation end time	128486889.184000	128487023.32762			
Observation end date	2002-01-27T02:47:05	2002-01-27T02:50:23			

2.3 Aspect



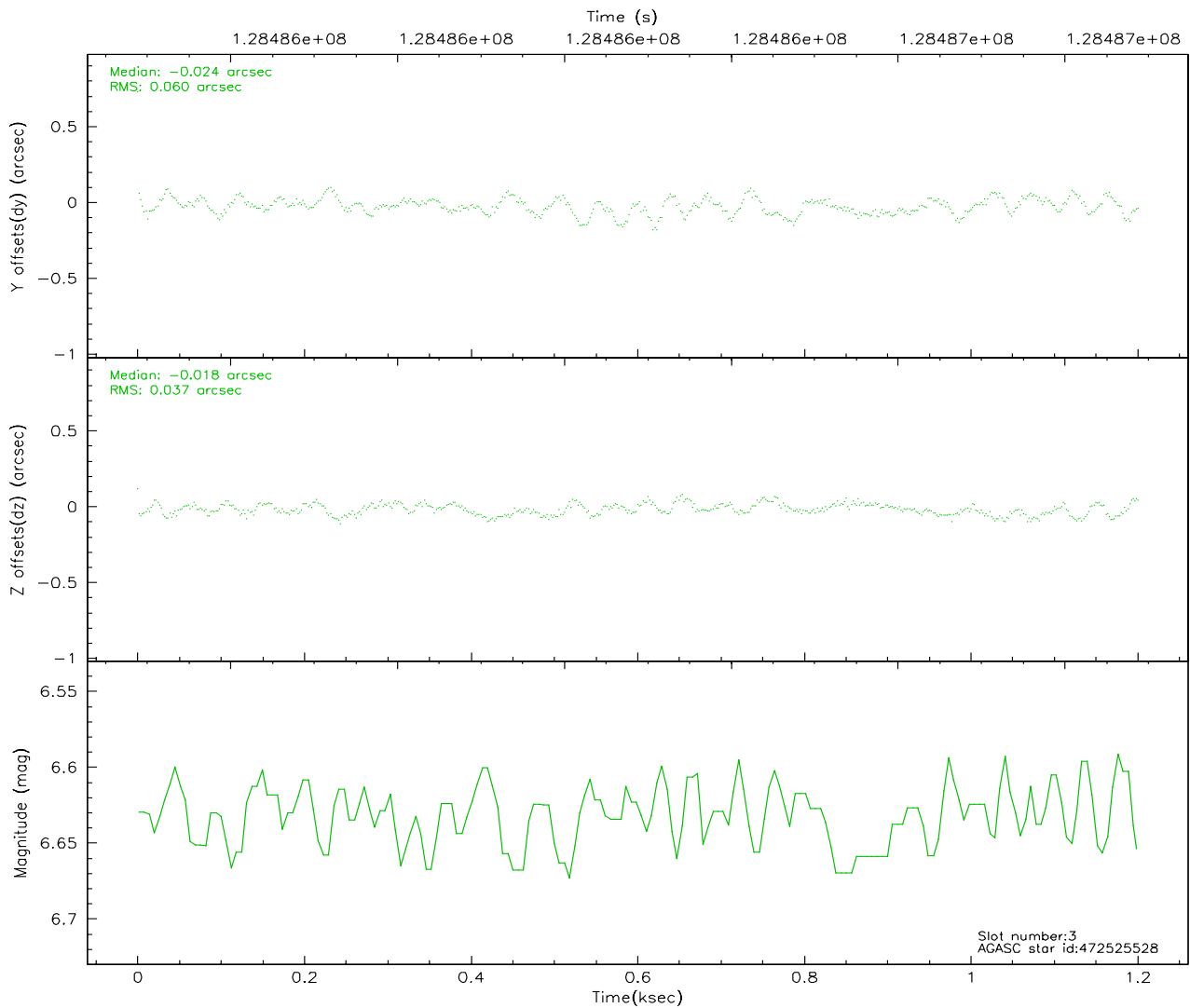
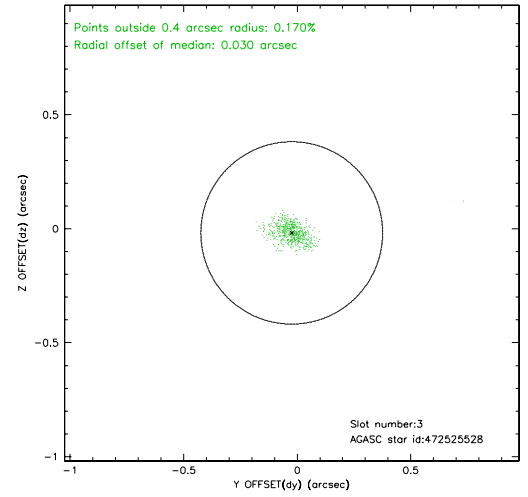
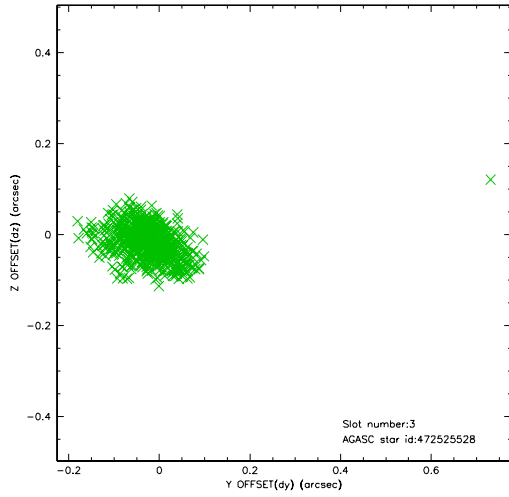


Slot Statistics

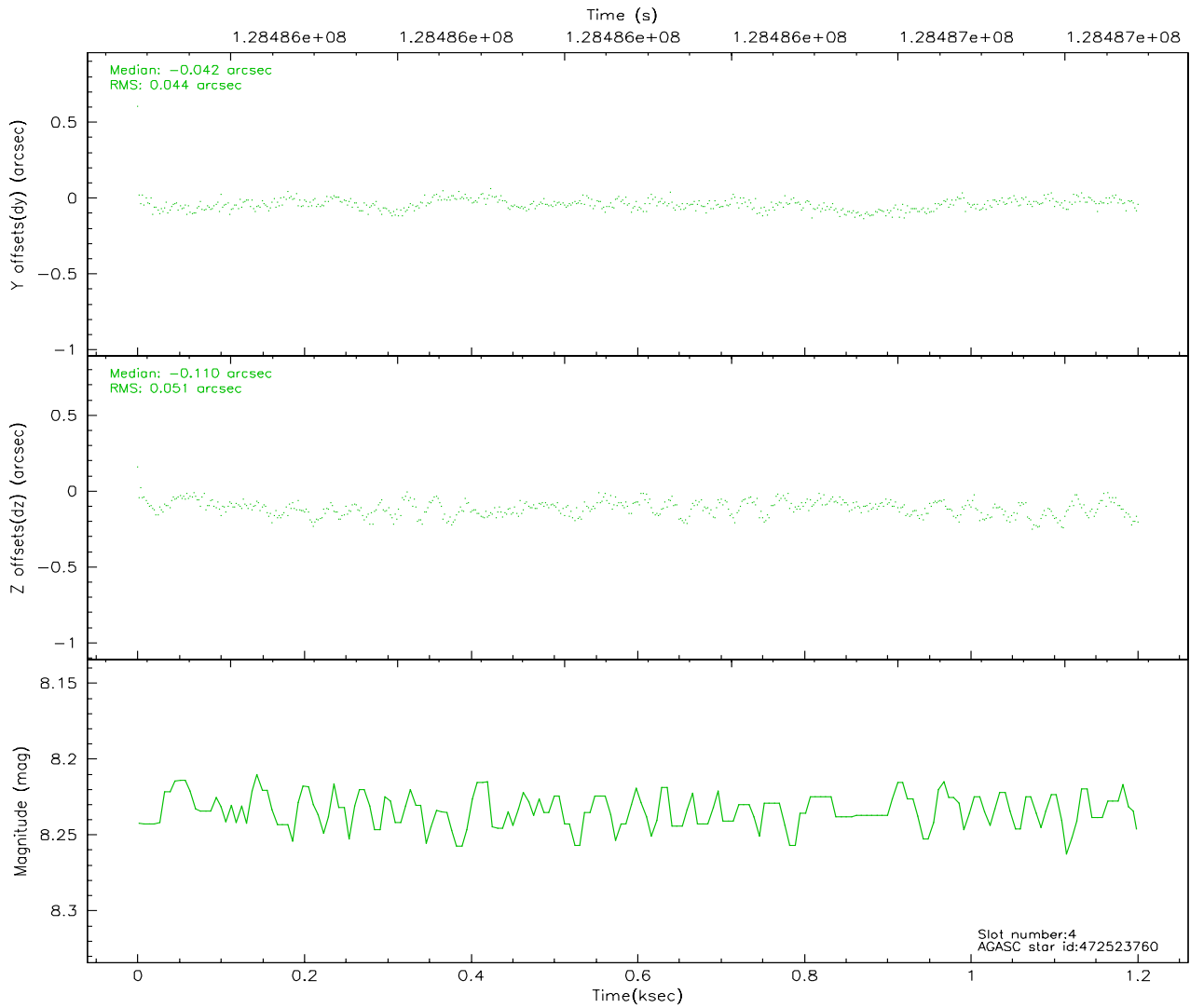
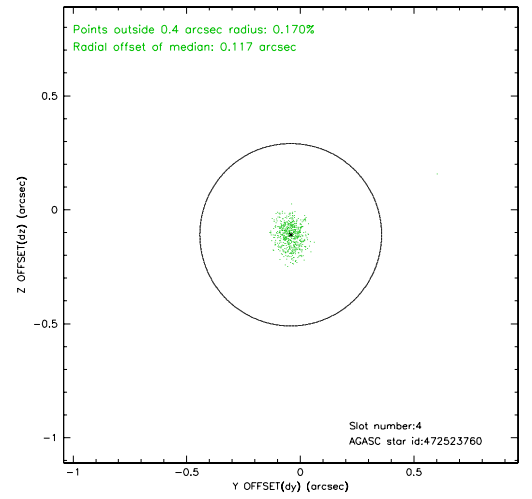
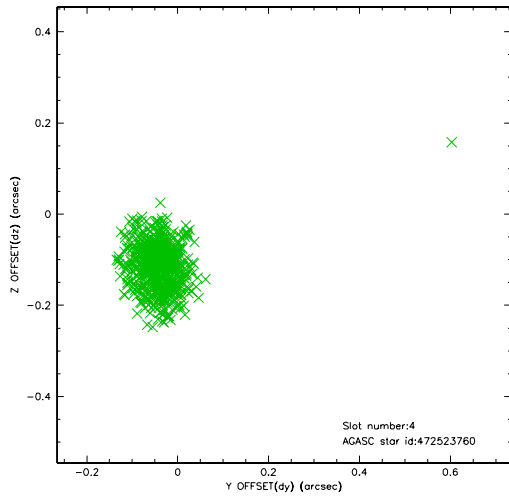
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	294	0.042	0.021	0.005	0.008	0.000000	0.000000	-759.01	-1294.69
1	FID	HRC-I-2	7.00	294	0.086	-0.023	0.007	0.010	0.000000	0.000000	851.08	-1300.74
2	FID	HRC-I-4	6.99	294	-0.012	-0.090	0.004	0.008	0.000000	0.000000	1286.67	1002.90
3	GUIDE	472525528	6.63	587	-0.024	-0.018	0.066	0.110	331.551102	45.248694	-666.12	-2430.45
4	GUIDE	472523760	8.23	587	-0.042	-0.110	0.066	0.103	331.645363	45.403260	-665.17	-1829.27
5	GUIDE	472665256	9.01	587	-0.062	0.000	0.086	0.133	332.808125	46.195041	877.30	1948.37
6	GUIDE	472659832	9.46	582	0.125	0.133	0.108	0.185	332.780399	46.098139	958.10	1607.99
7	GUIDE	472654568	9.43	586	0.015	-0.013	0.132	0.193	332.194449	45.063576	1099.34	-2396.66

2.4 Star Slots

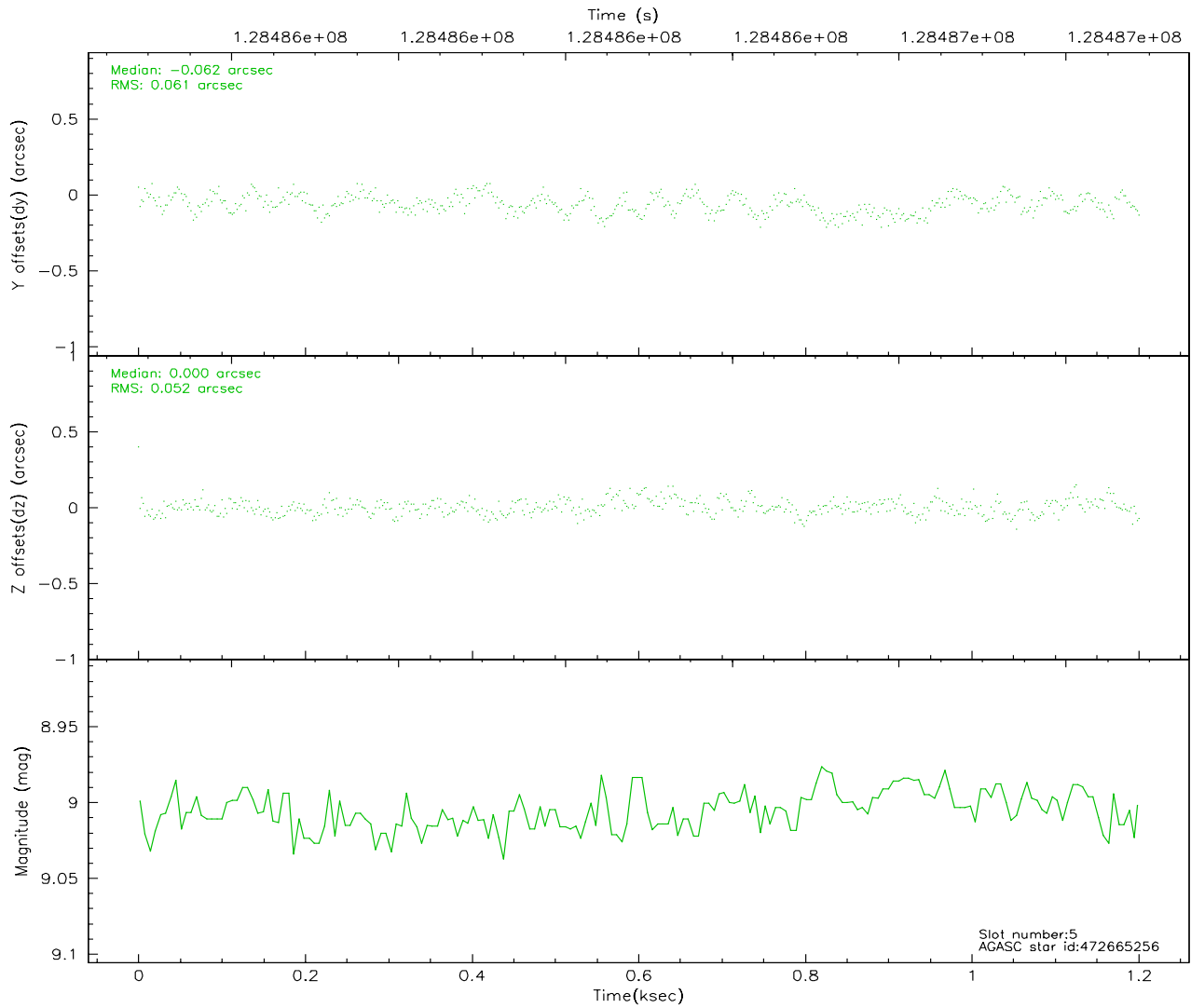
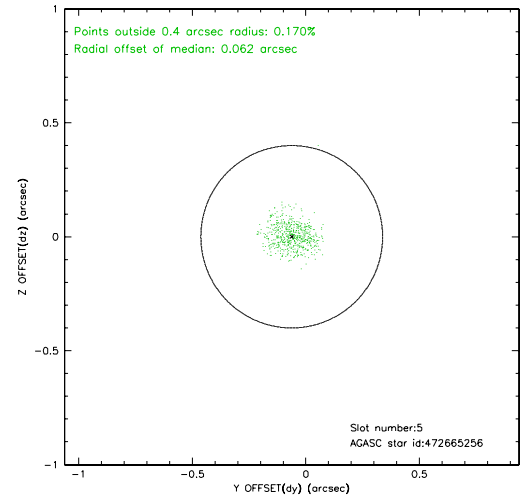
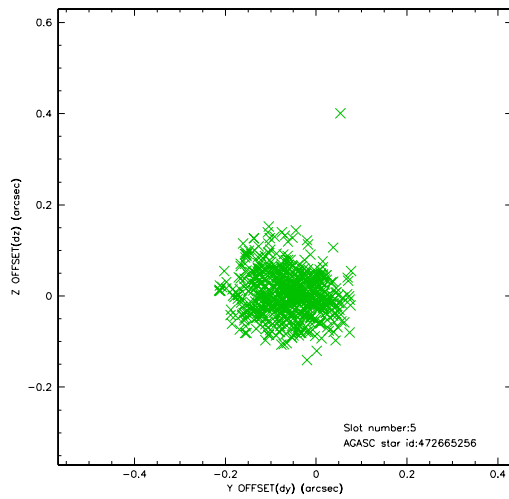
2.4.1 Slot 3



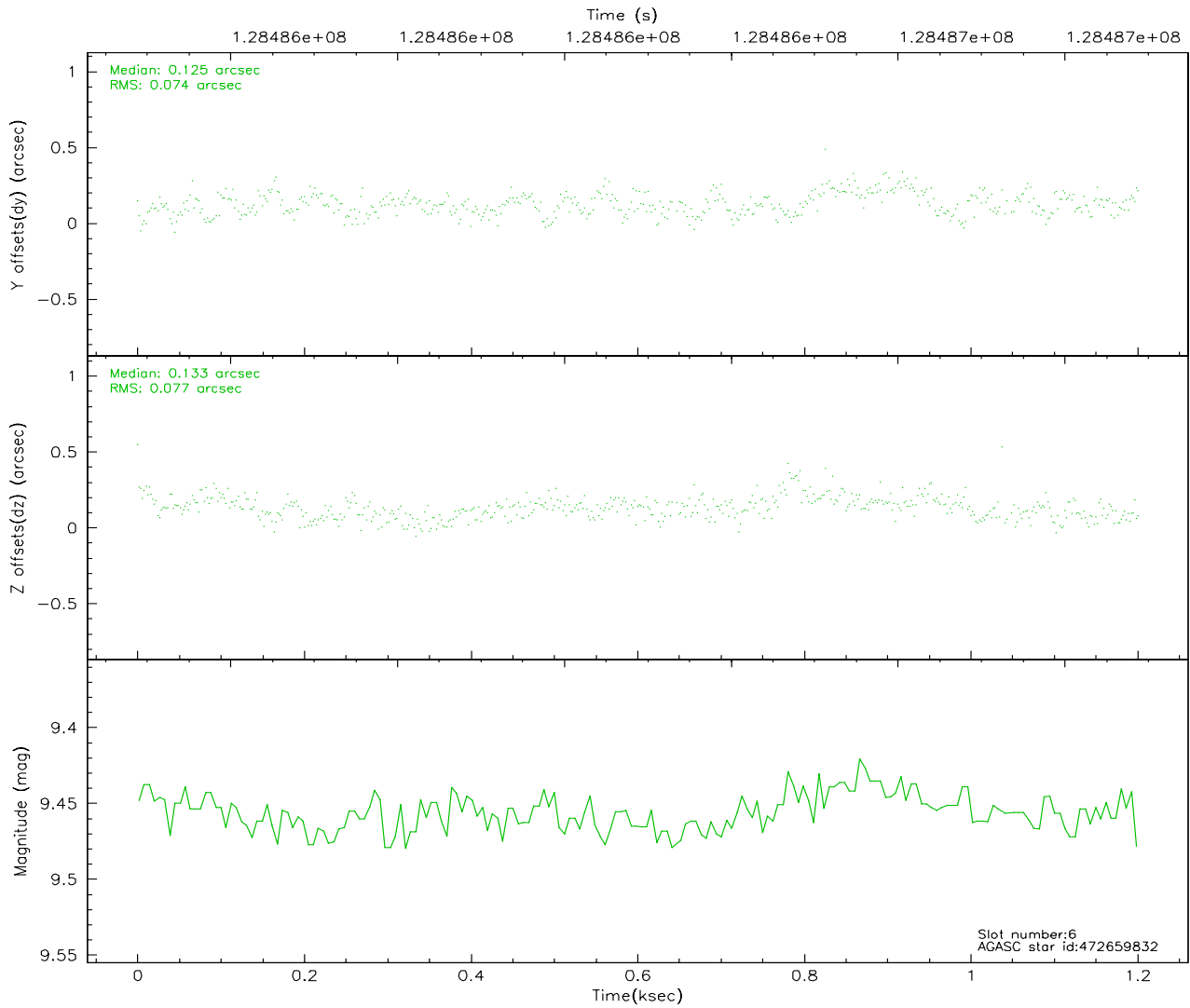
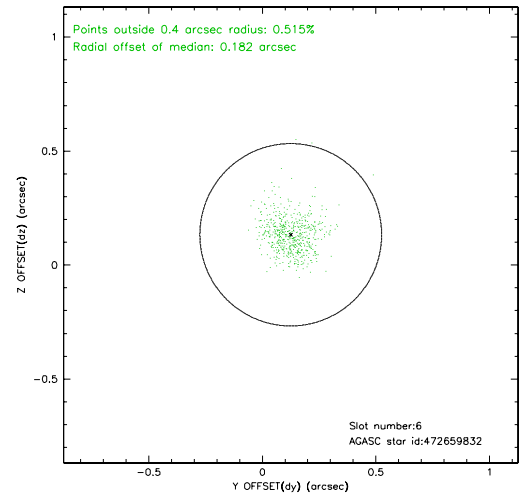
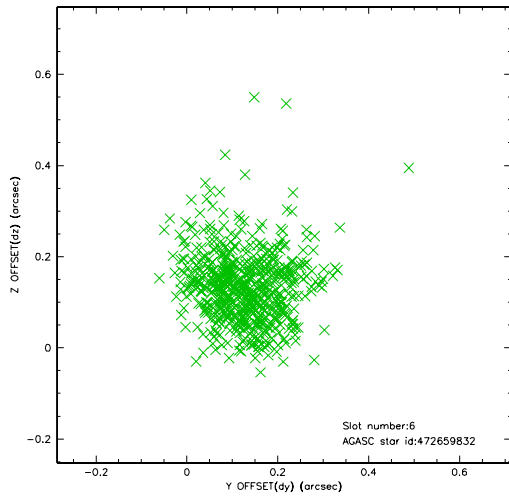
2.4.2 Slot 4



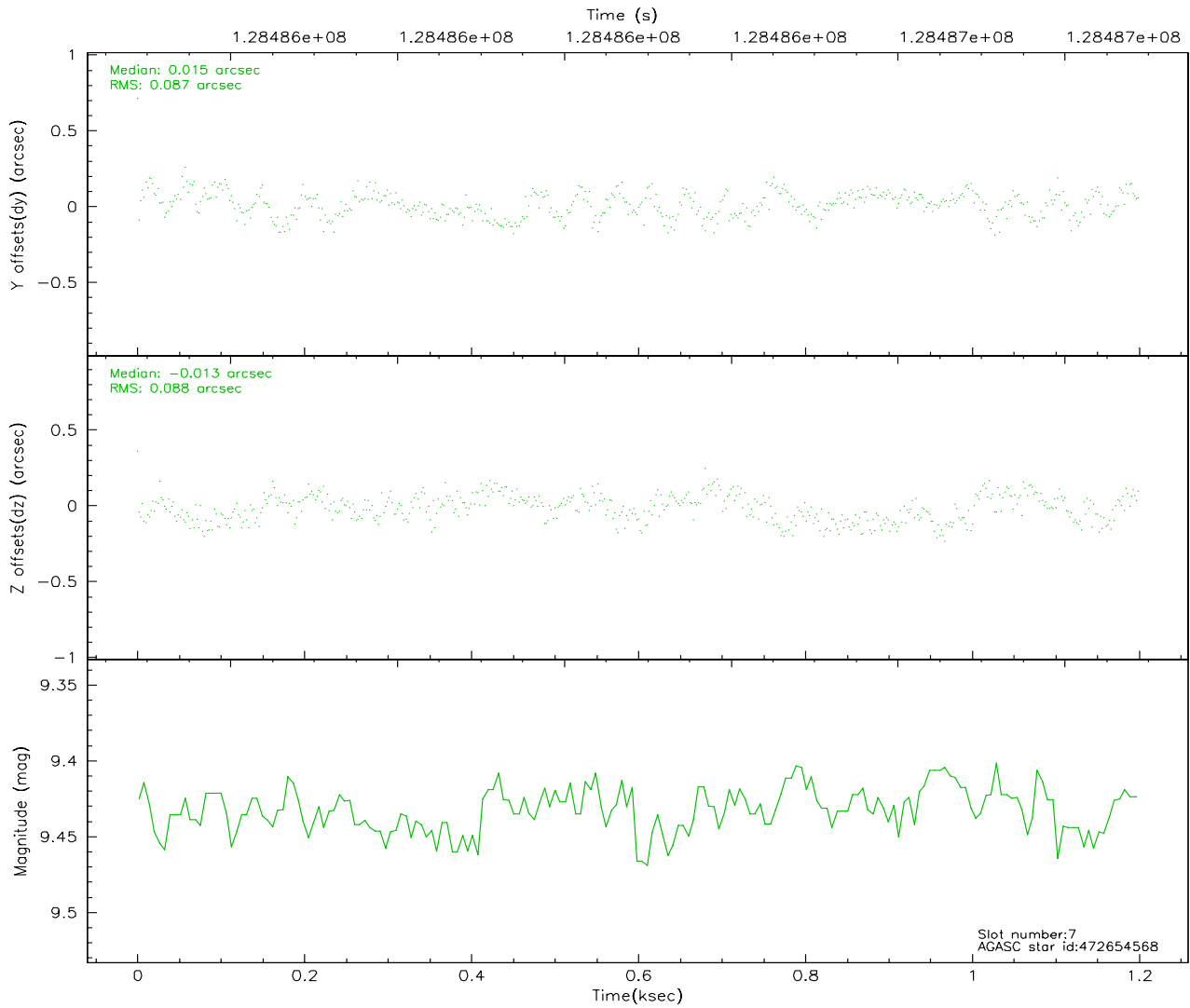
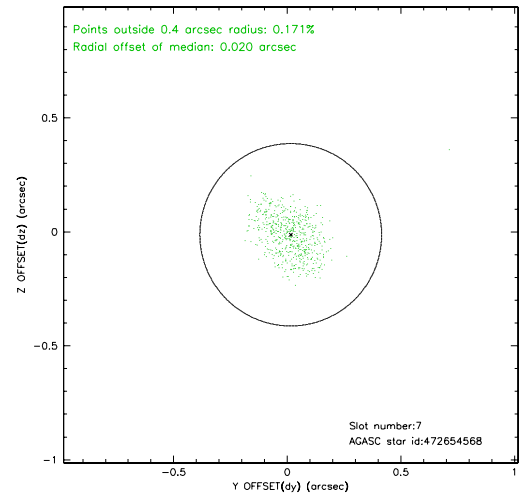
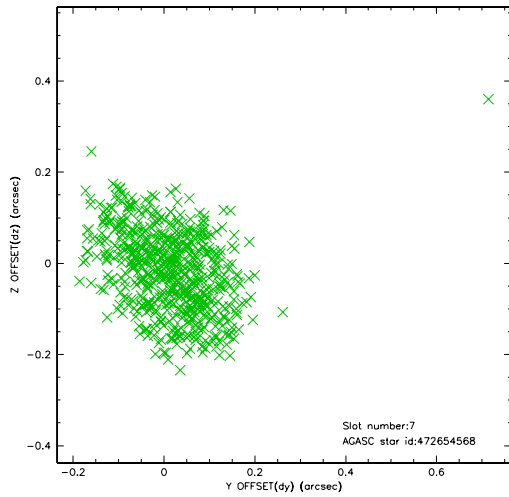
2.4.3 Slot 5



2.4.4 Slot 6

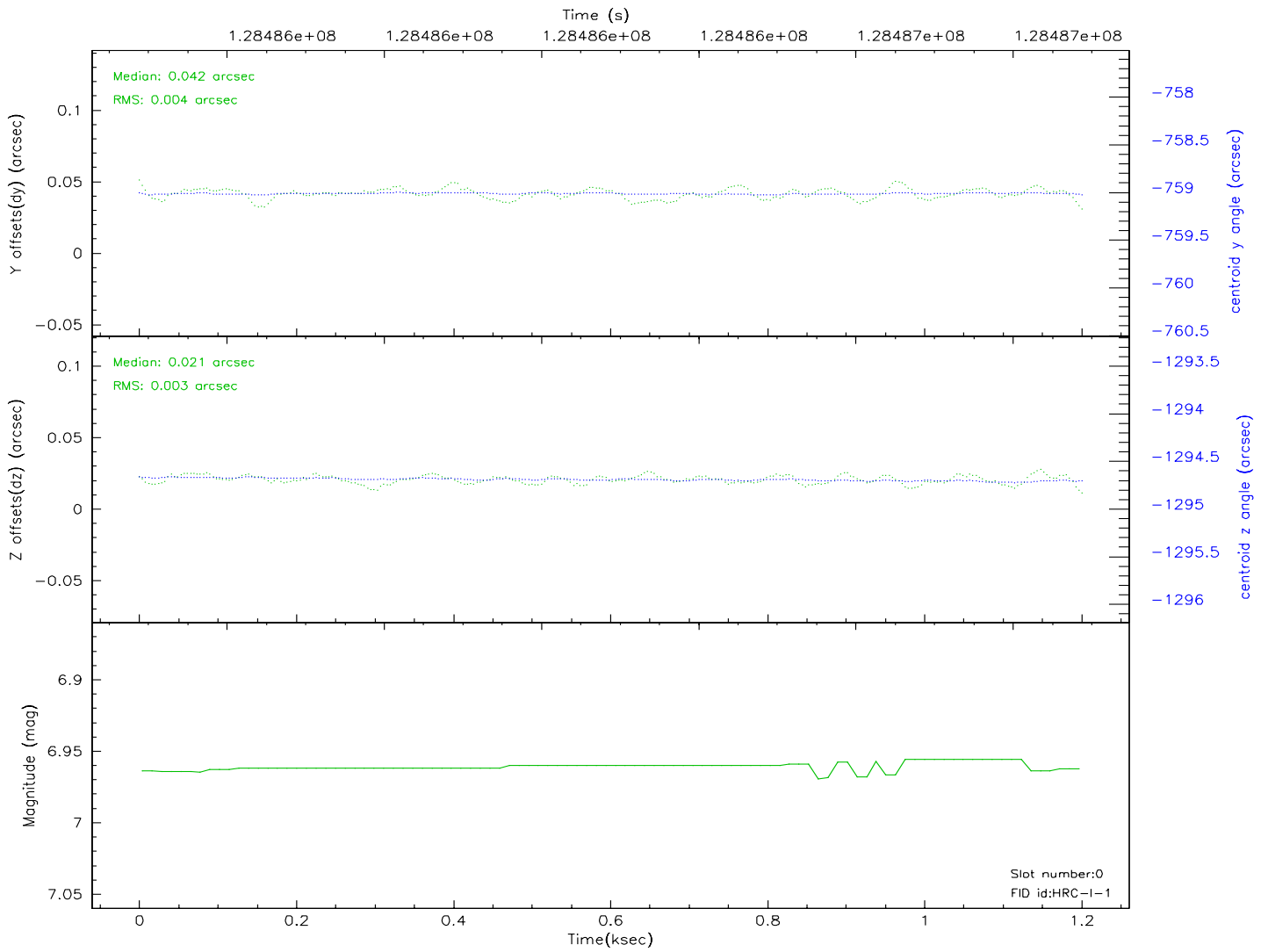
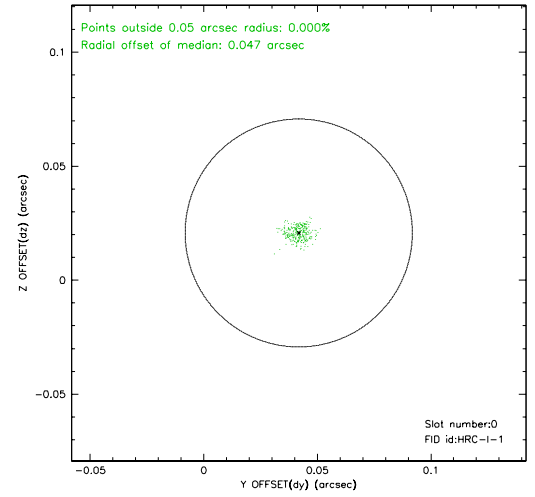
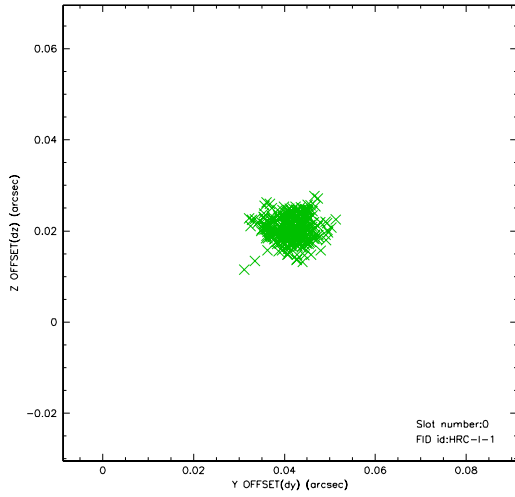


2.4.5 Slot 7

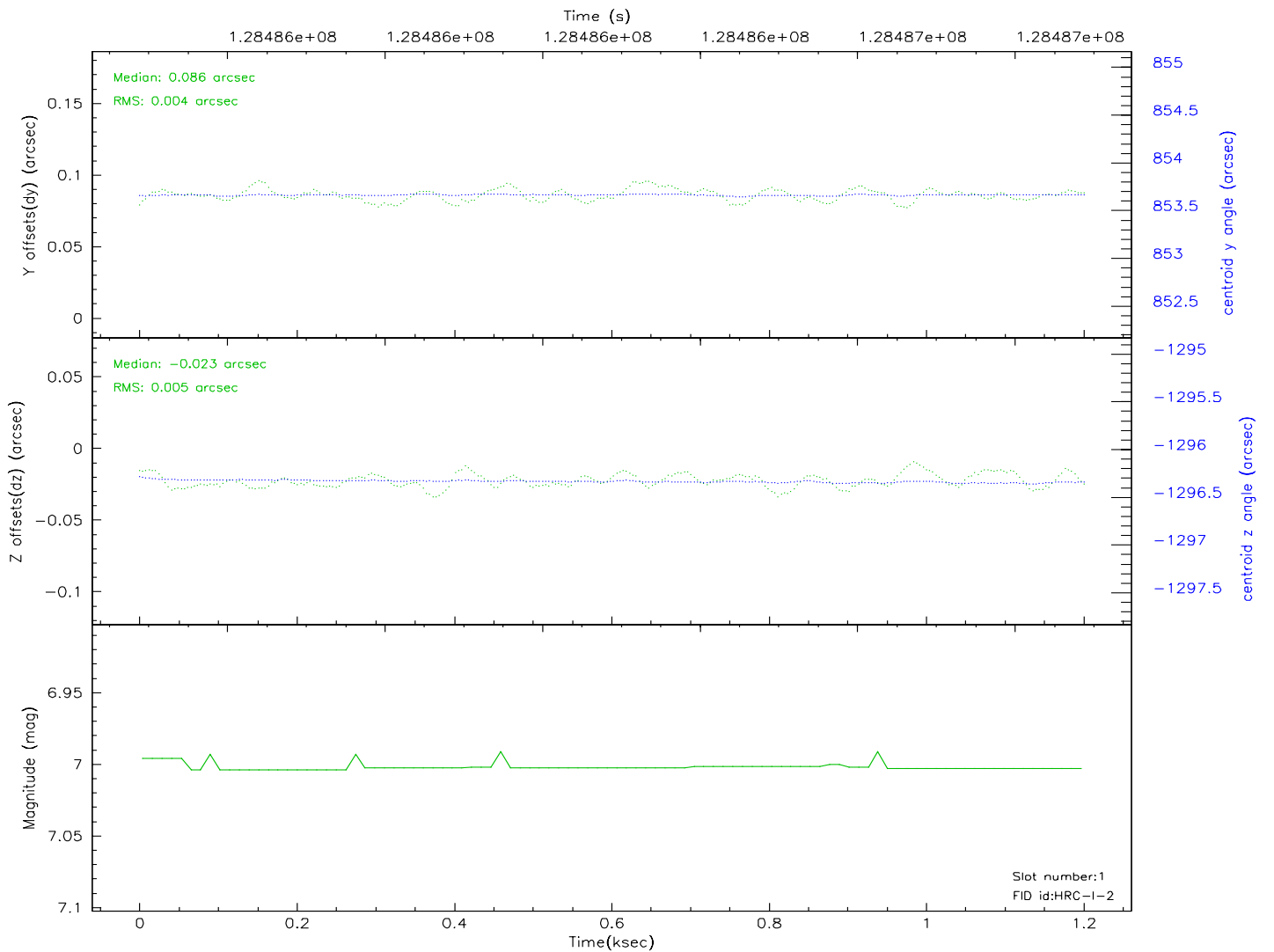
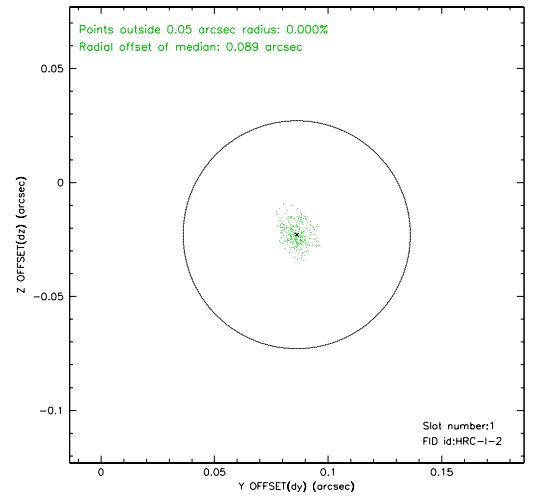
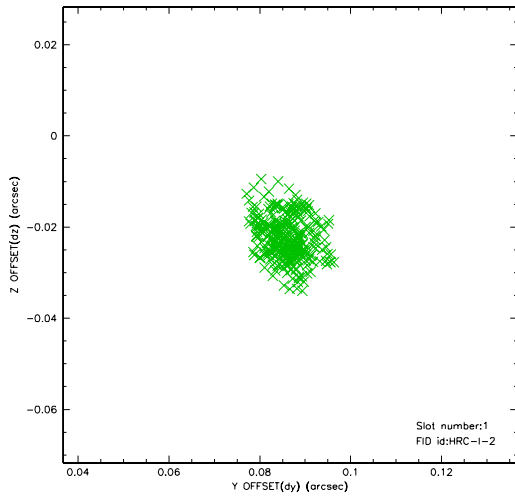


2.5 FID Slots

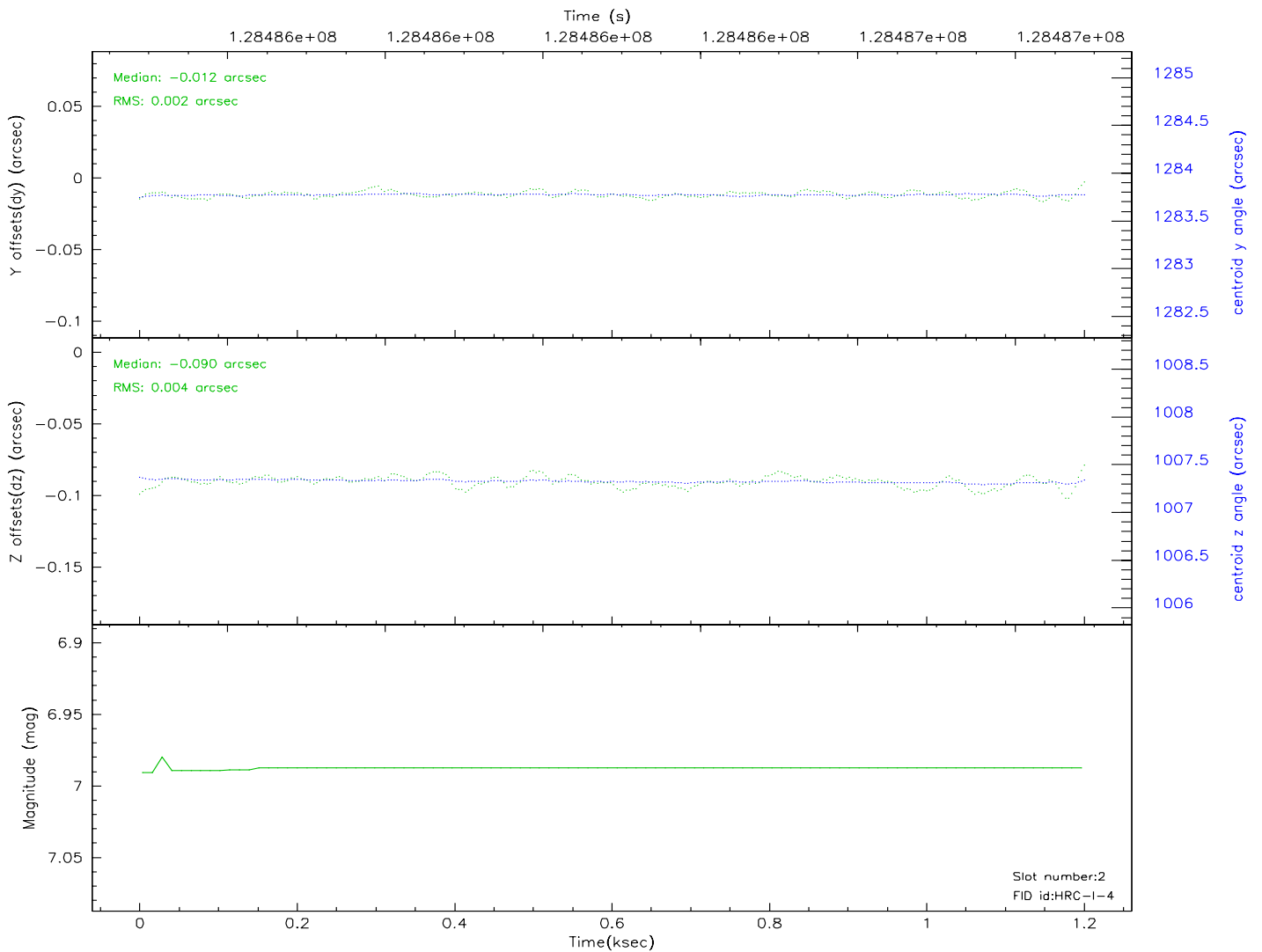
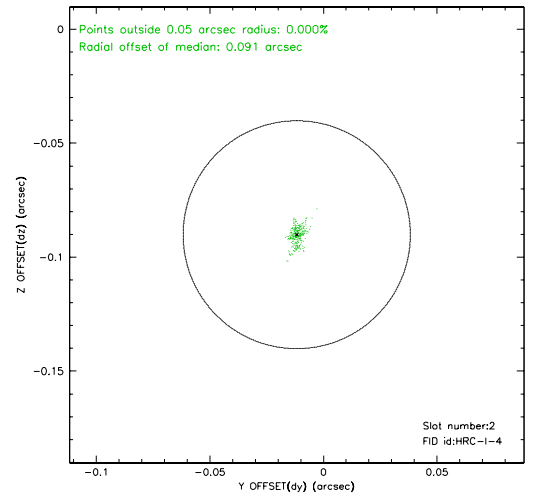
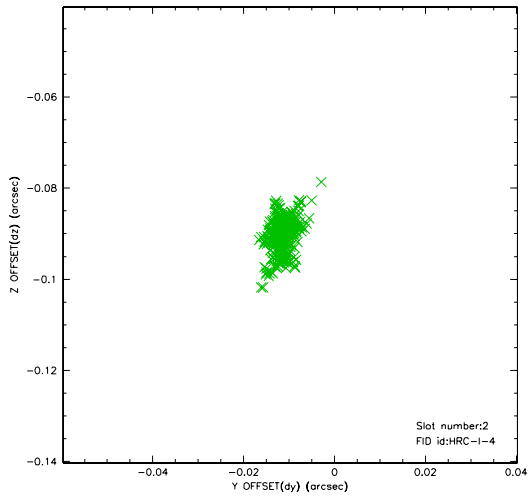
2.5.1 Slot 0



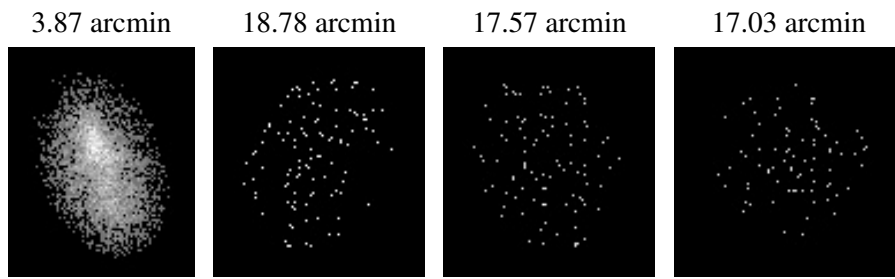
2.5.2 Slot 1



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	1.198

A.2 Comments

Monitor 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.