

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5989 - L2 Version 3
Chandra X-Ray Center

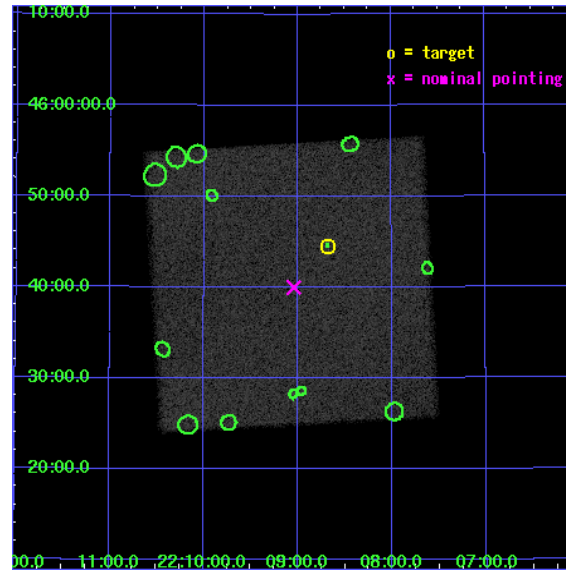
L2 Processing Date : Nov 24 2007

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

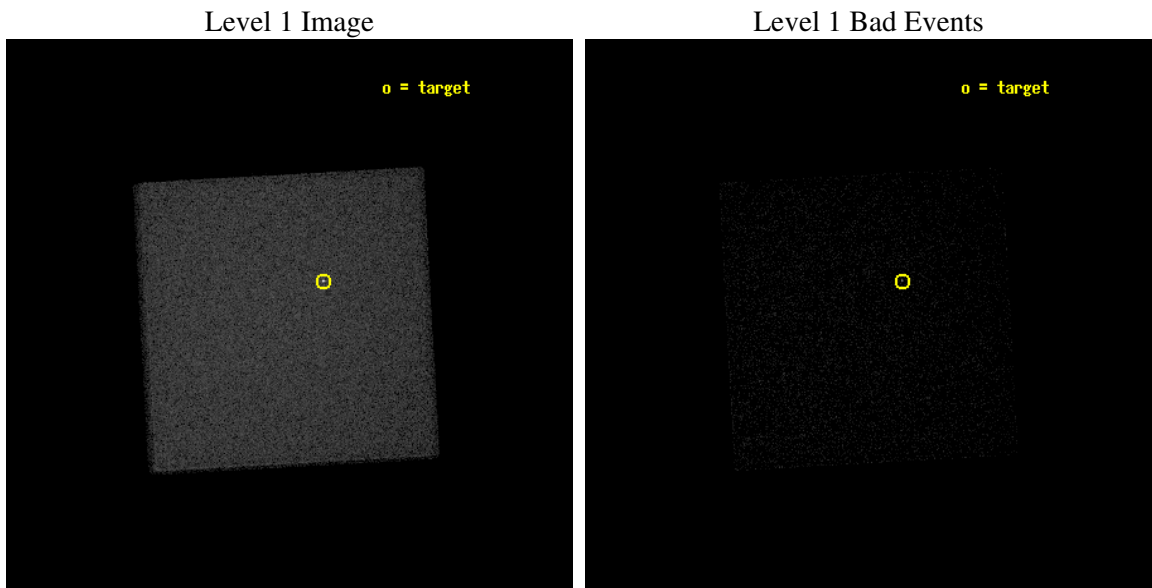
seq_num	290481
obs_id	5989
title	AO6 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.26010762078
dec_nom	45.666429828028
roll_nom	221.82711532831
revision	3
ontime	1165.6813035905
livetime	415.7811318478
l2events	170228



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	2007-11-24T17:48:53
revision	3

sched_exp_time	990.159000
ontime	1165.6813035905
l1events	287658

2.1.3 Events

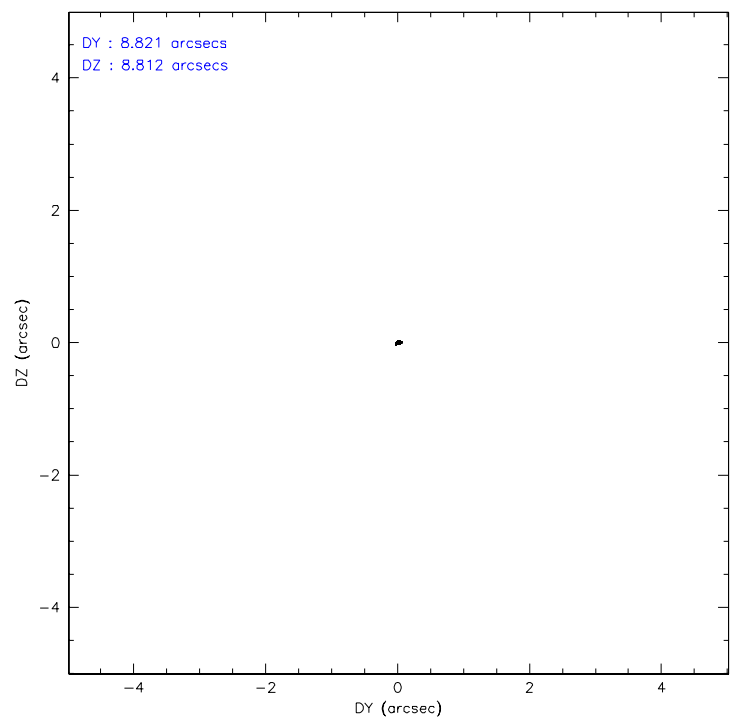
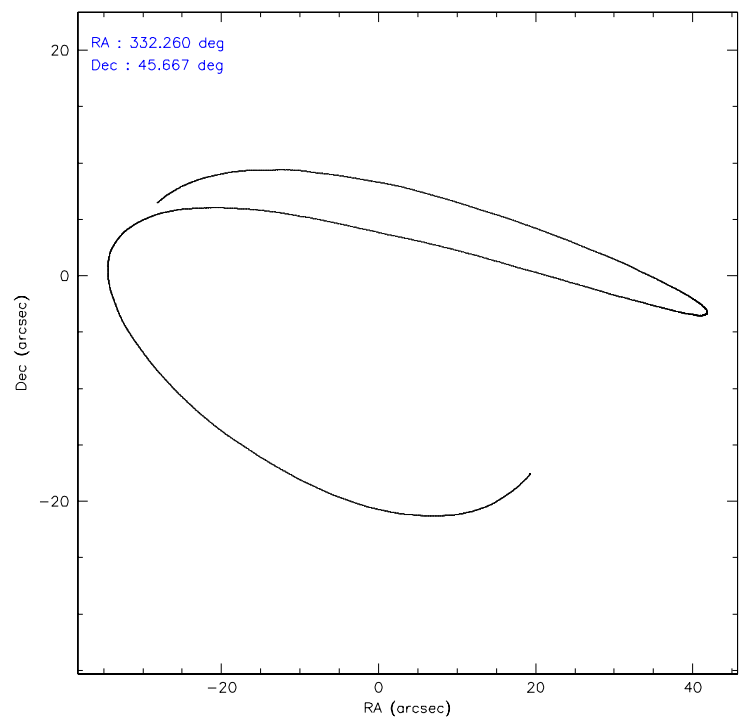
Level 1 Events

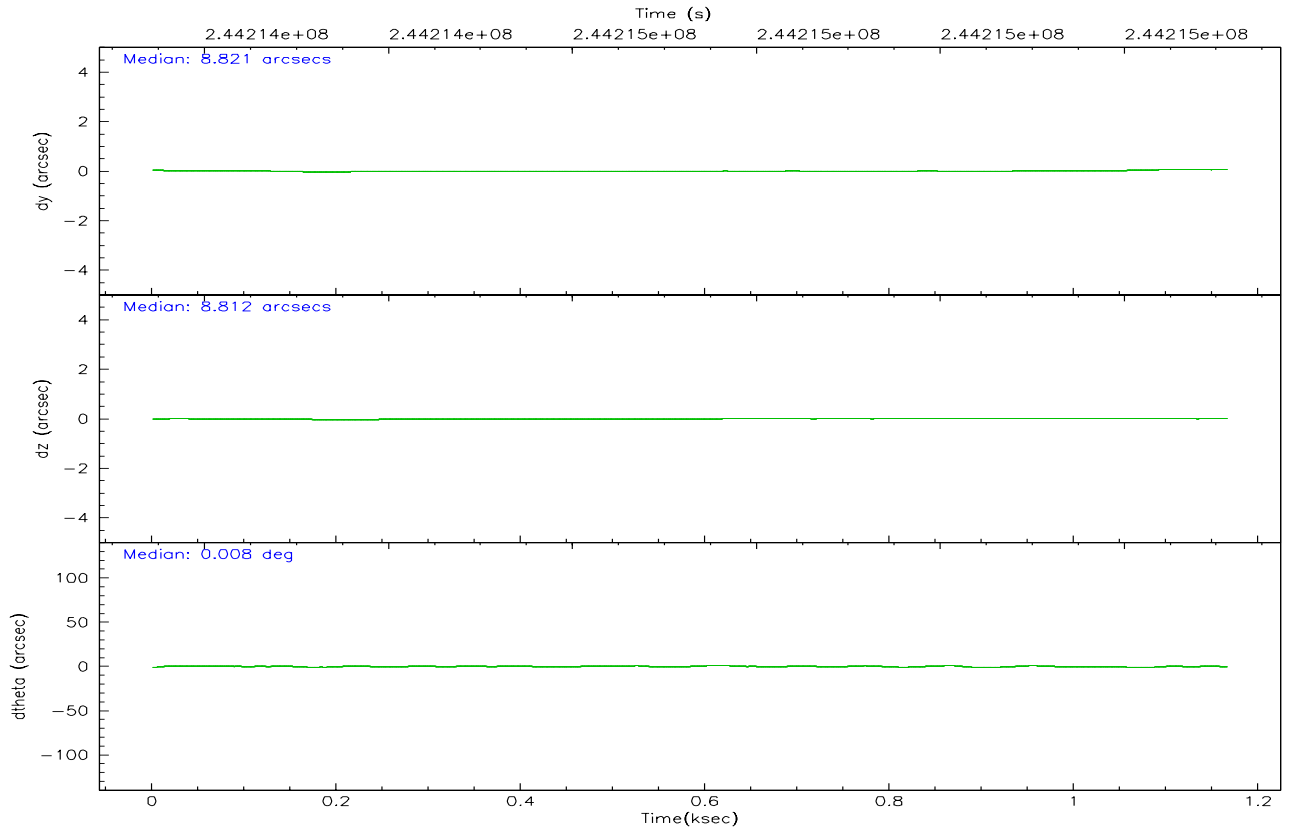
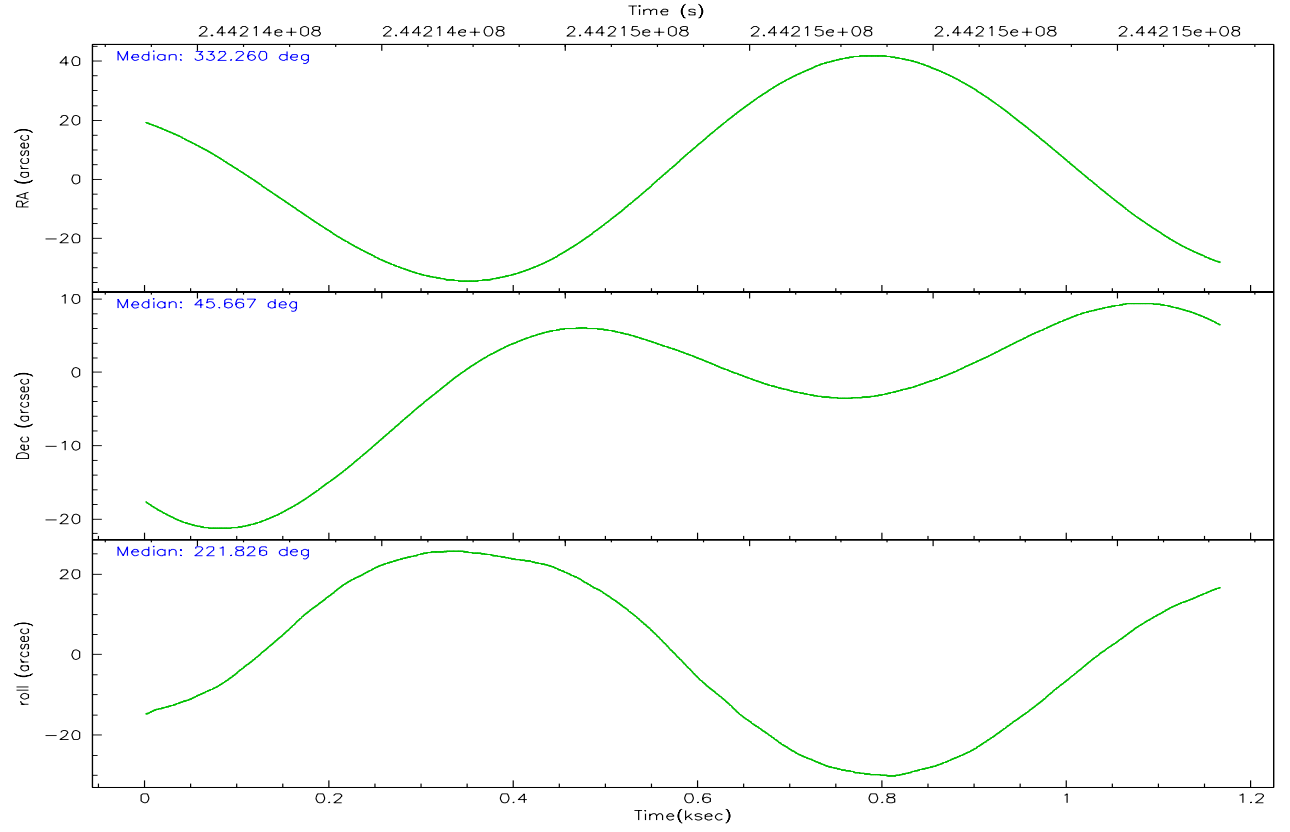
	segment 0
level 1 events	287658
rejected events	72528
rejected %	25%

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	332.271339	332.2601076207822			
Pointing Dec	45.692515	45.66642982802828			
Pointing Roll	221.914518	221.8271153283081			
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	244214322.184000	244213946.08528			
Observation start date	2005-09-27T13:17:38	2005-09-27T13:12:26			
Observation end time	244215312.184000	244215506.64785			
Observation end date	2005-09-27T13:34:08	2005-09-27T13:38:26			

2.3 Aspect



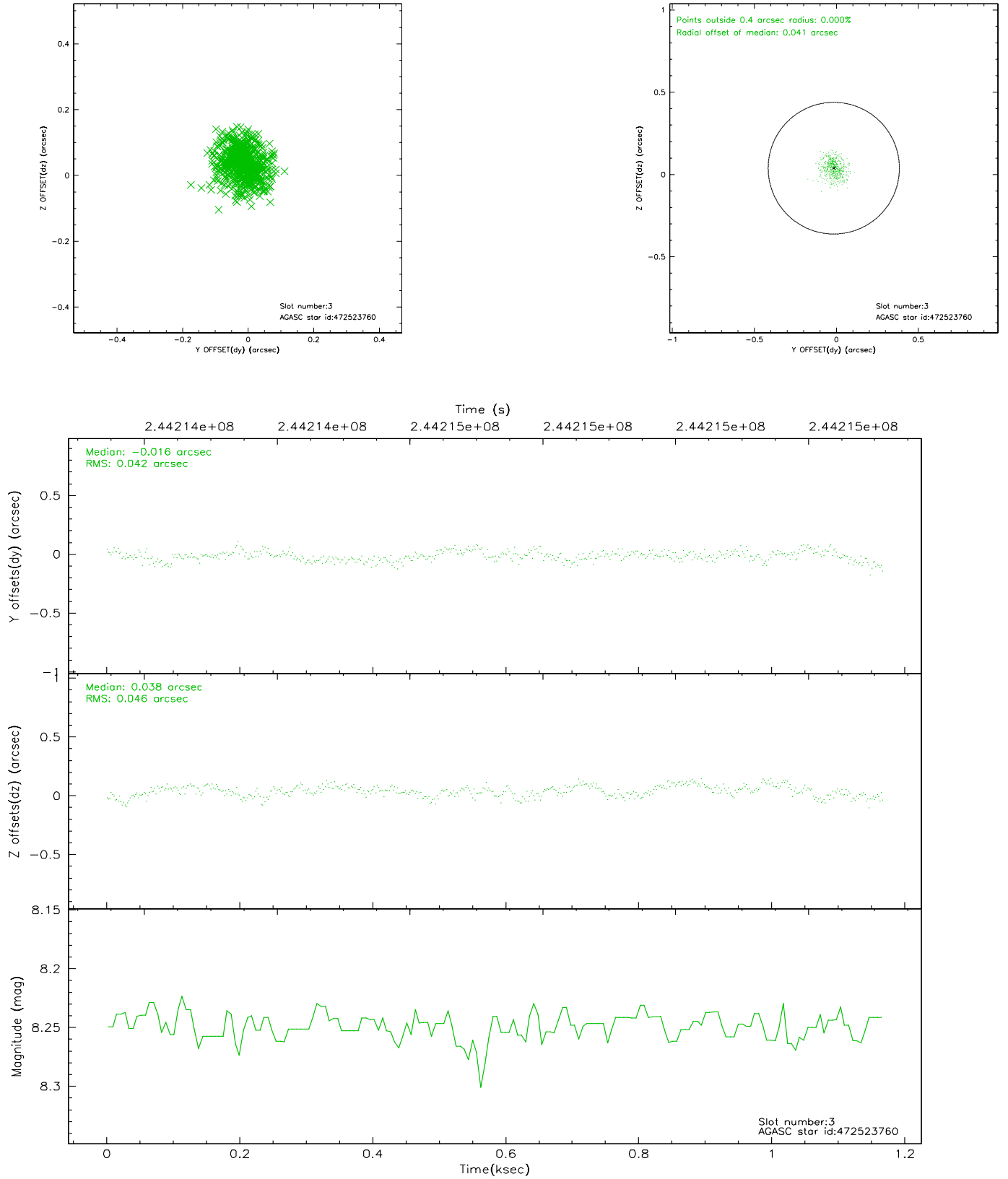


Slot Statistics

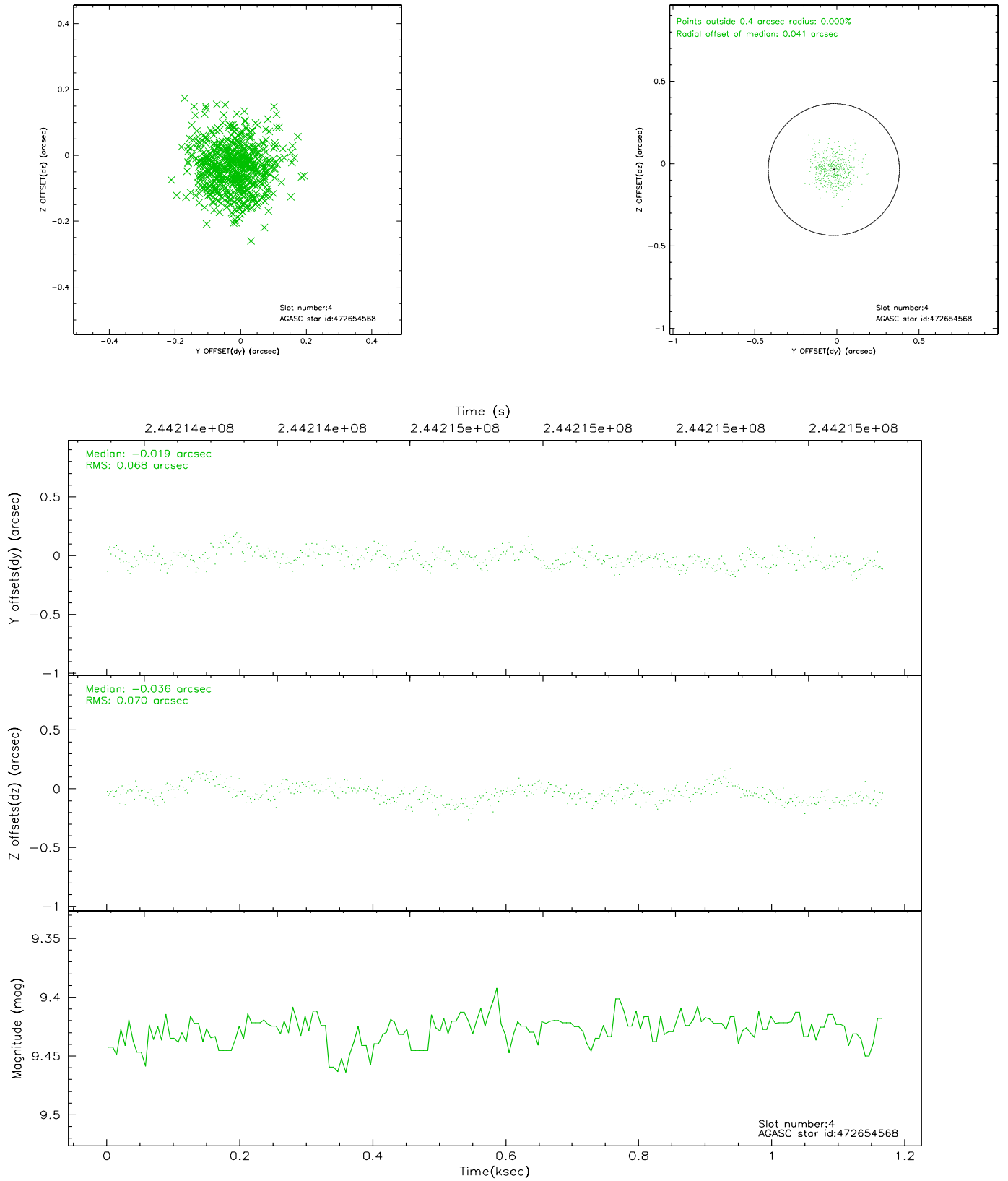
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	7.02	284	0.094	-0.082	0.006	0.011	0.000000	0.000000	848.27	-1298.36
1	FID	HRC-I-3	7.06	285	-0.071	0.030	0.006	0.012	0.000000	0.000000	-1190.05	1003.32
2	FID	HRC-I-4	7.00	285	0.098	-0.036	0.006	0.010	0.000000	0.000000	1274.25	1008.95
3	GUIDE	472523760	8.25	570	-0.016	0.038	0.066	0.105	331.645363	45.403260	1868.90	-286.79
4	GUIDE	472654568	9.43	570	-0.019	-0.036	0.105	0.173	332.194449	45.063576	1661.17	1553.53
5	GUIDE	472661712	10.02	570	0.141	-0.115	0.130	0.203	331.914954	46.059715	-218.88	-1577.47
6	GUIDE	472665256	9.00	570	-0.002	0.007	0.094	0.168	332.808125	46.195041	-2207.34	-458.98
7	GUIDE	472659832	9.46	568	-0.111	0.134	0.092	0.143	332.780399	46.098139	-1927.85	-241.66

2.4 Star Slots

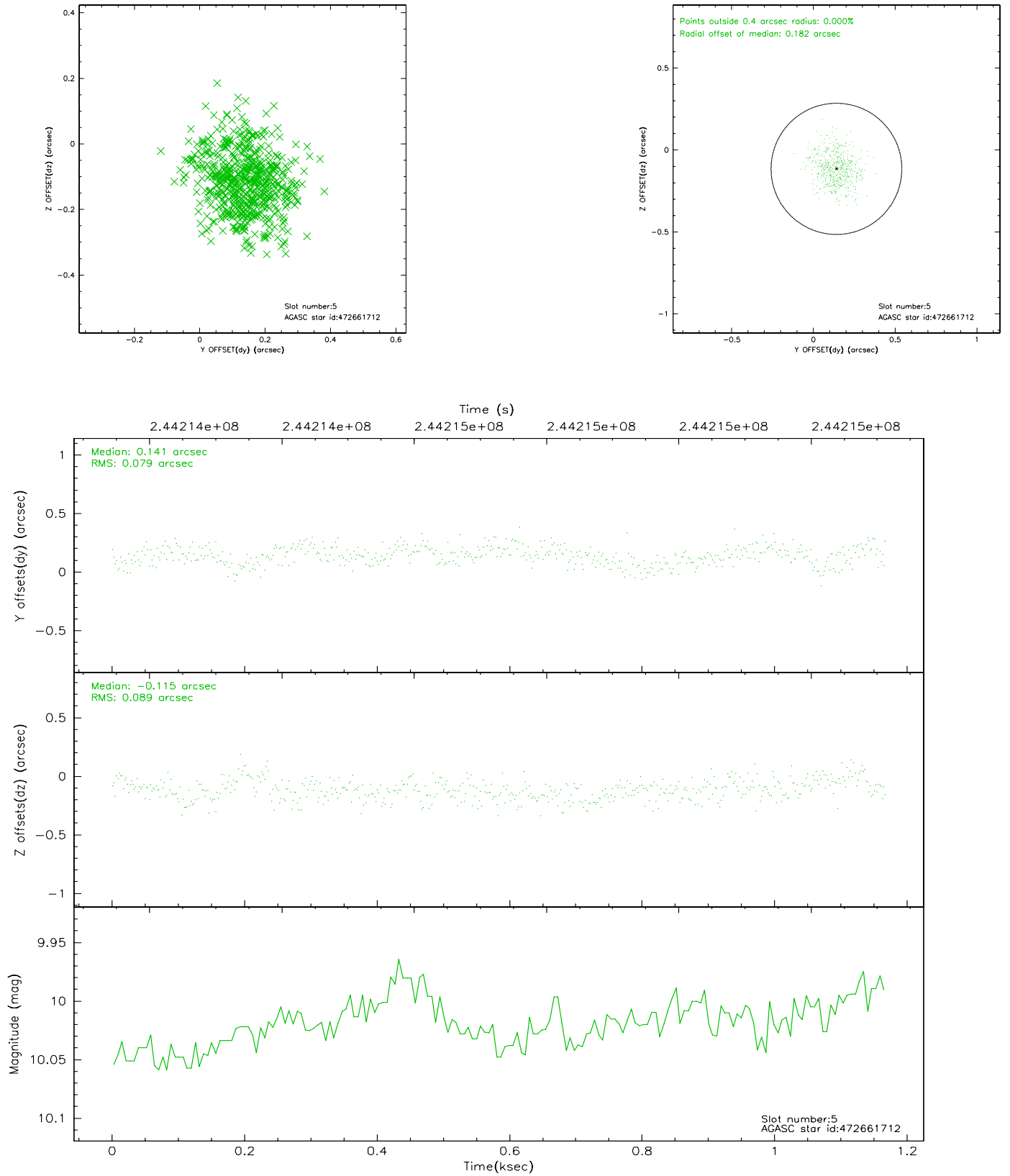
2.4.1 Slot 3



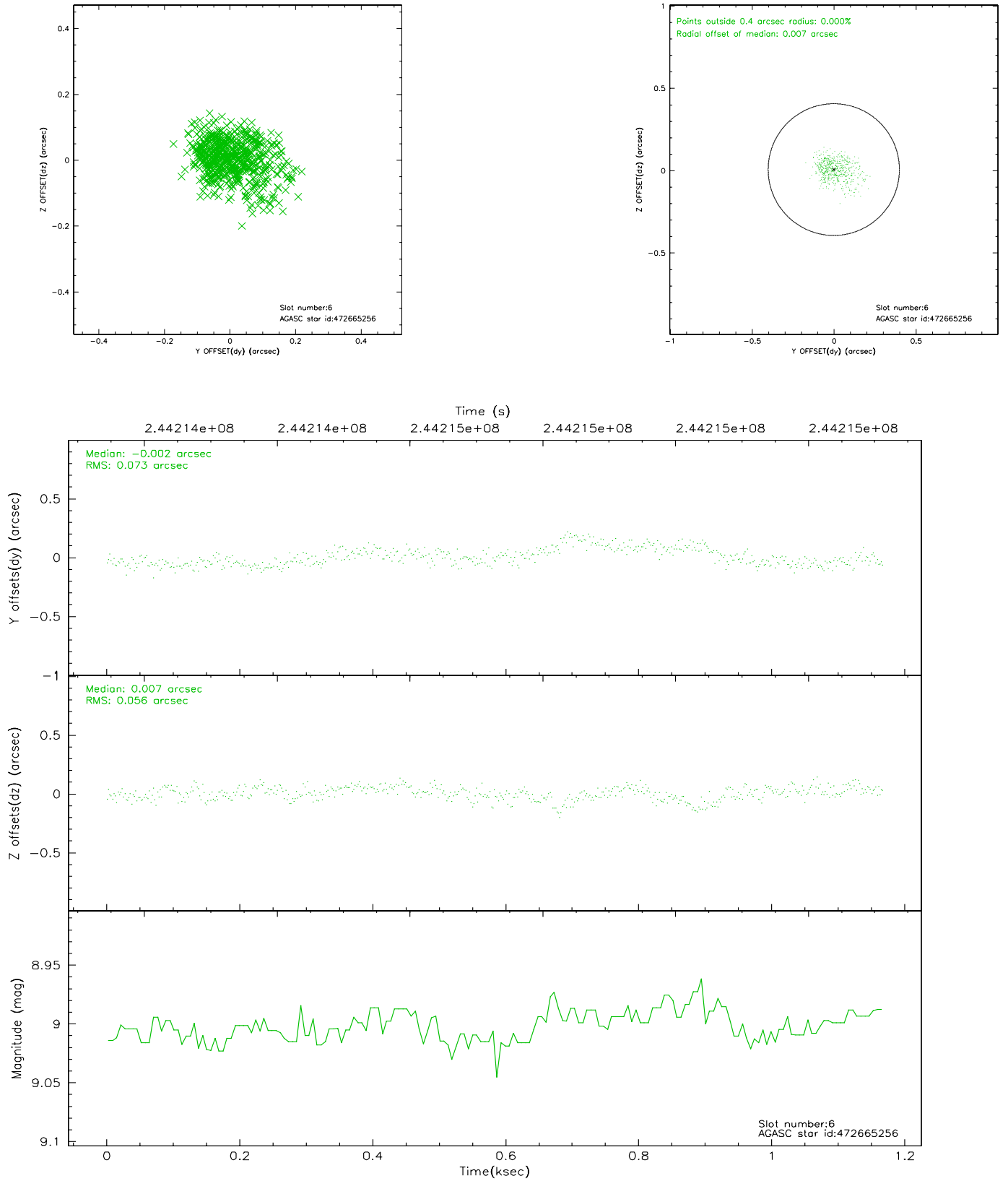
2.4.2 Slot 4



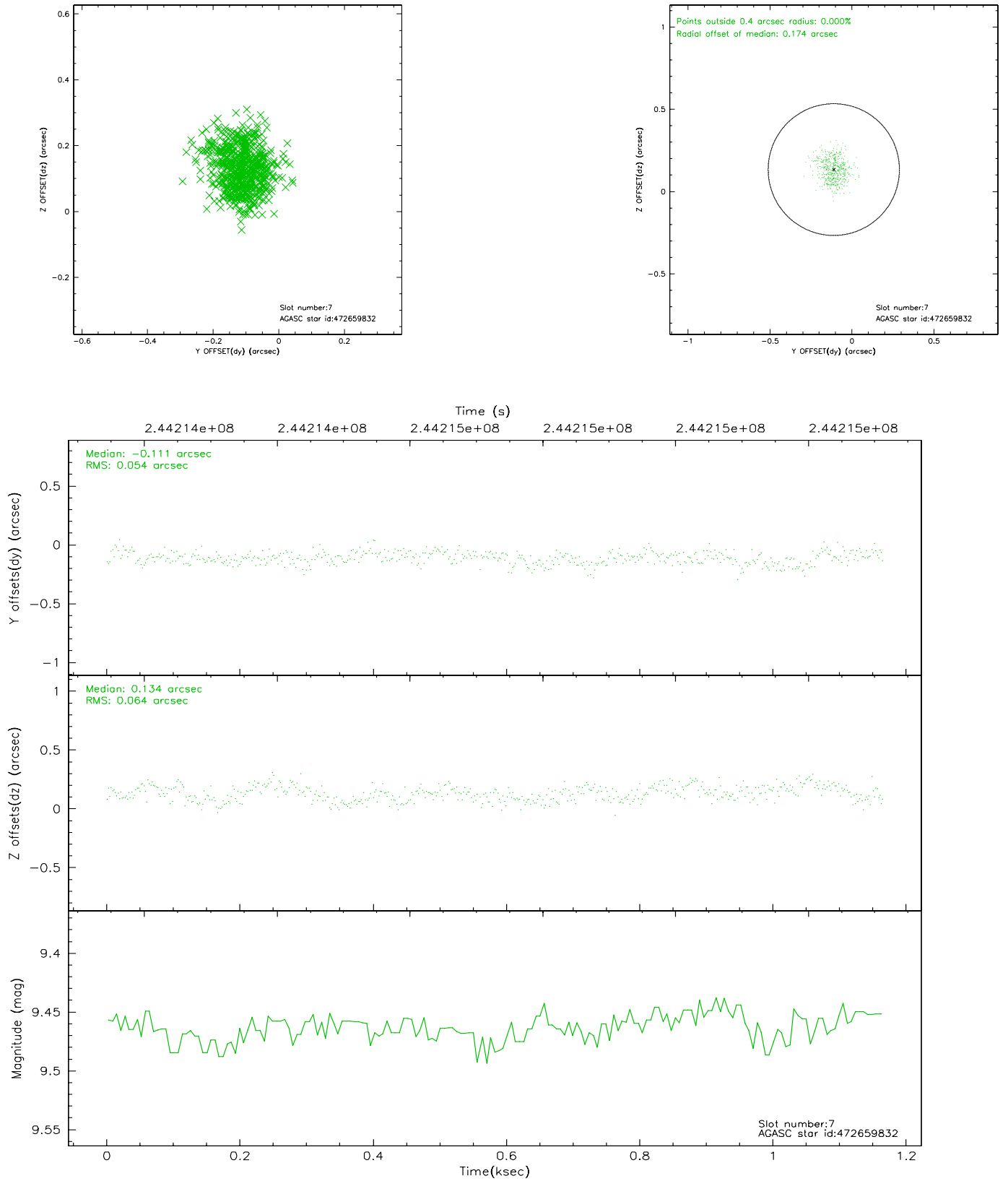
2.4.3 Slot 5



2.4.4 Slot 6

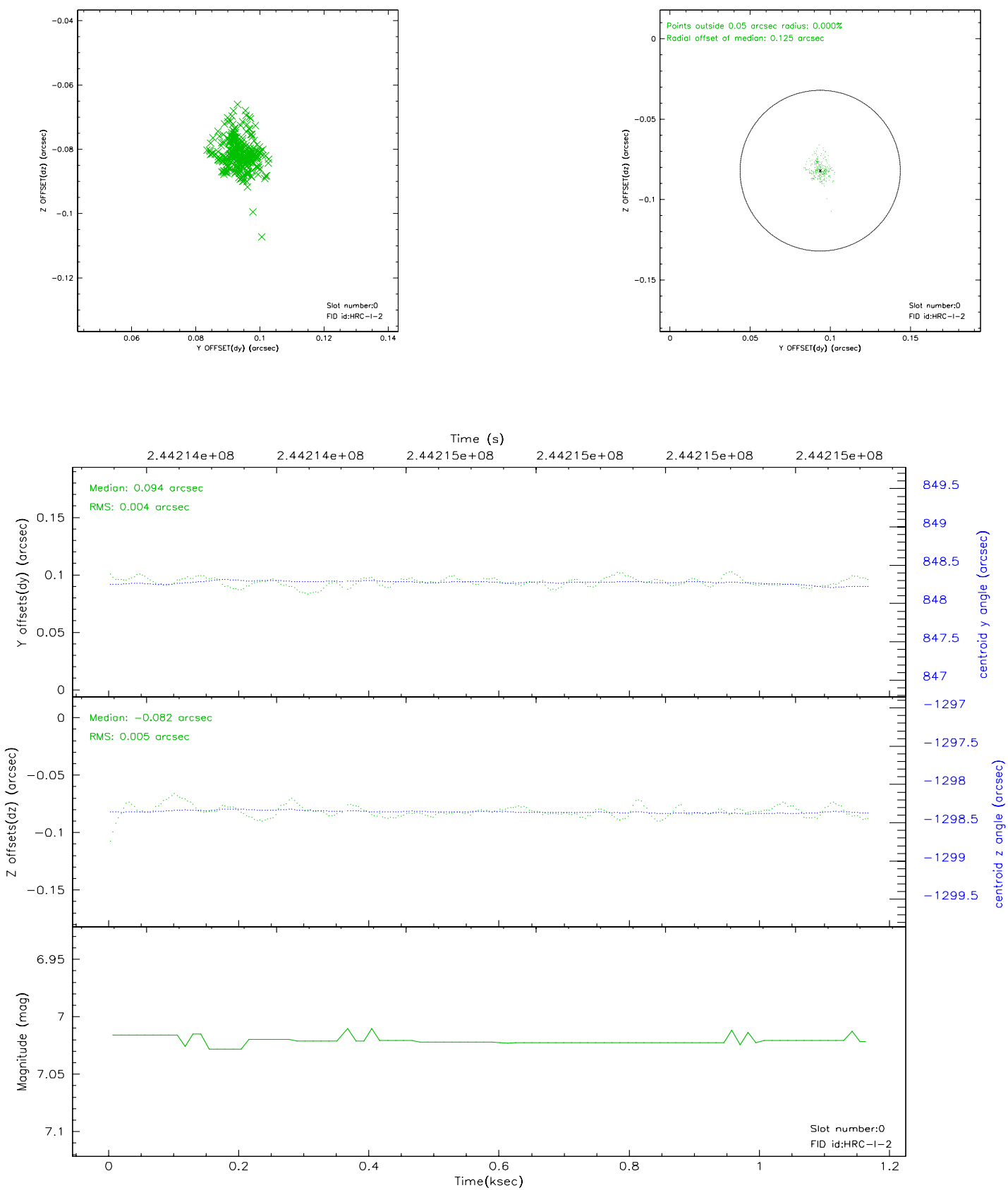


2.4.5 Slot 7

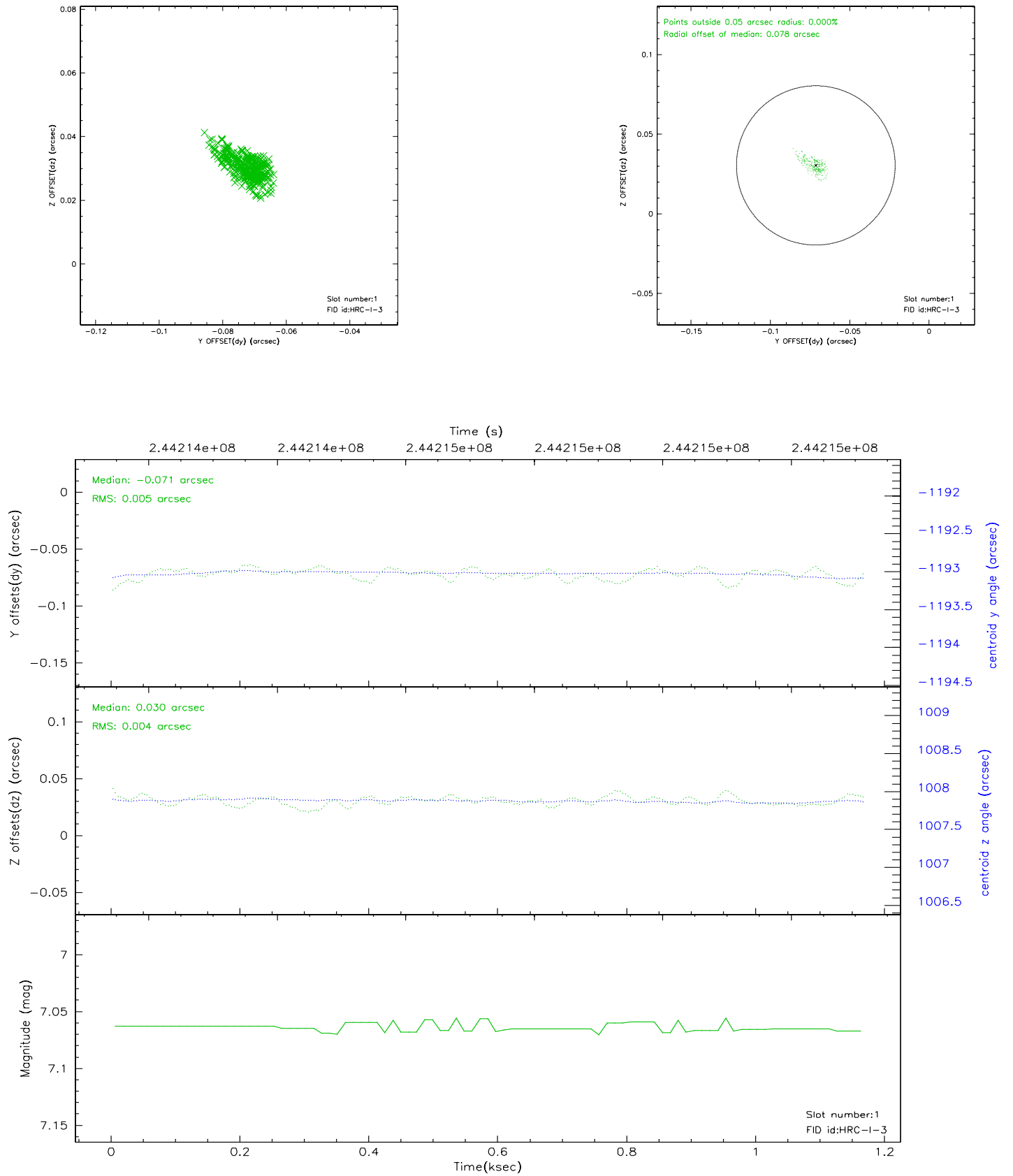


2.5 FID Slots

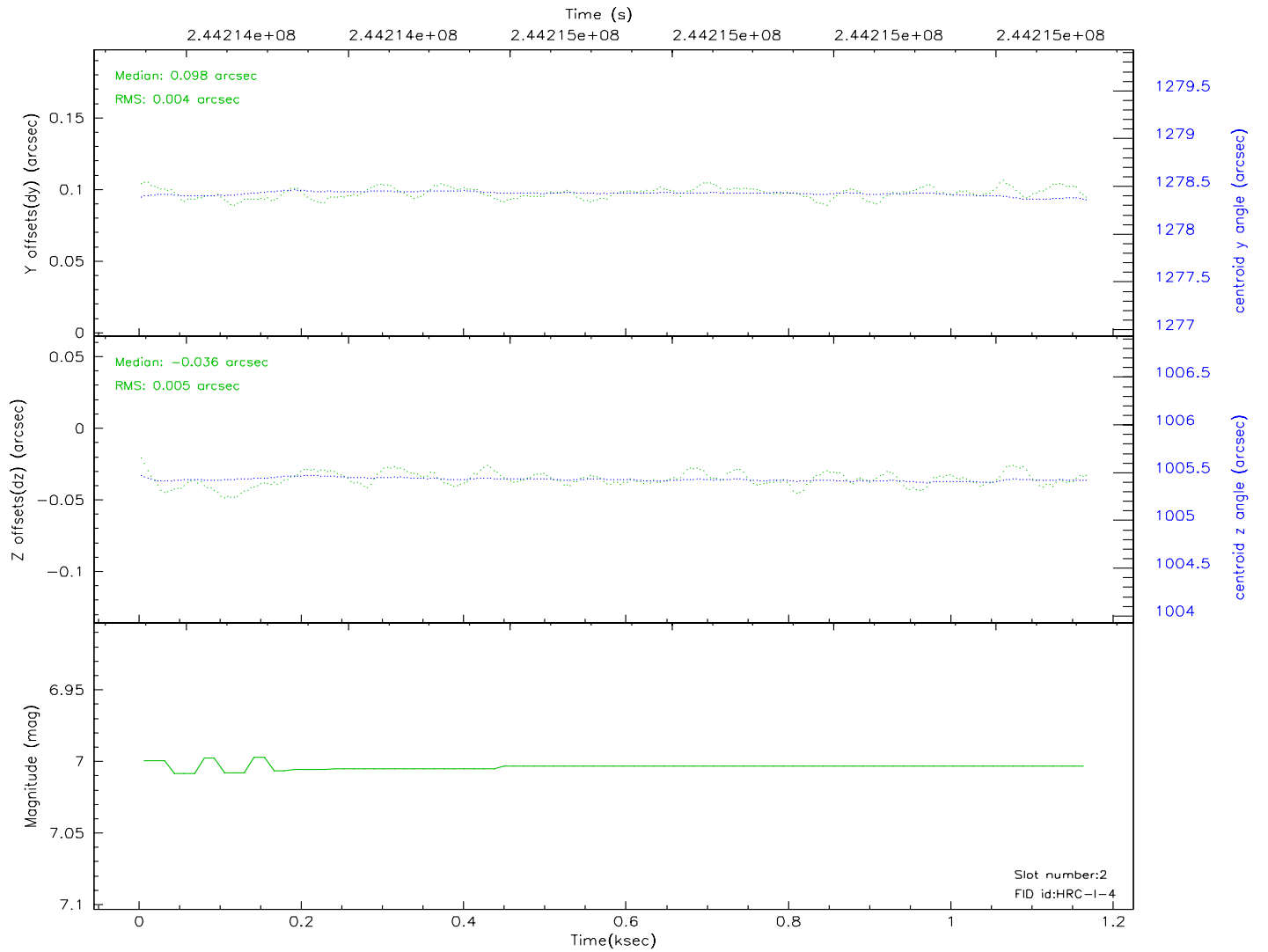
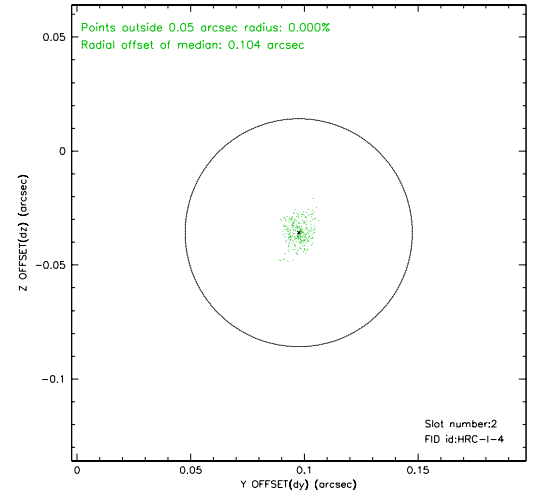
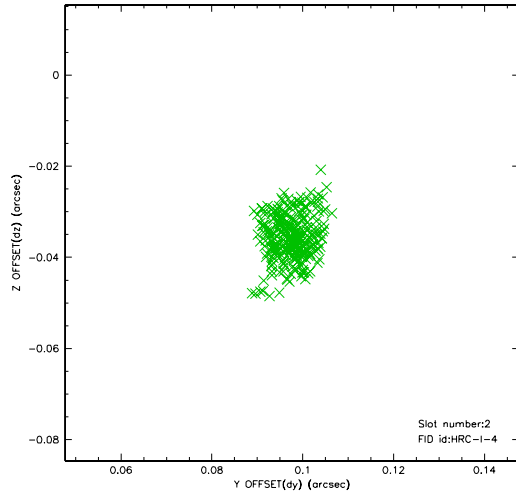
2.5.1 Slot 0



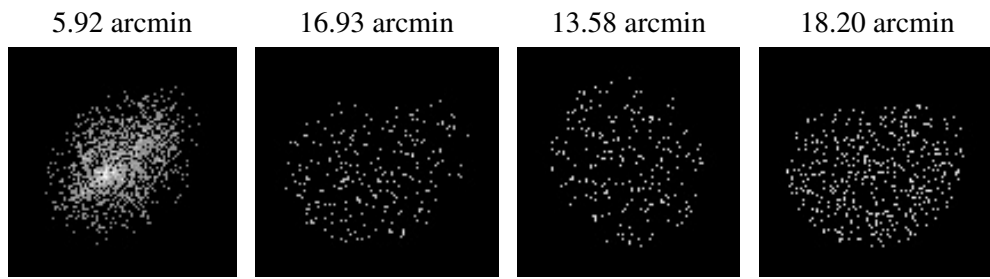
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.12.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.165425

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.