

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5080 - L2 Version 3
Chandra X-Ray Center

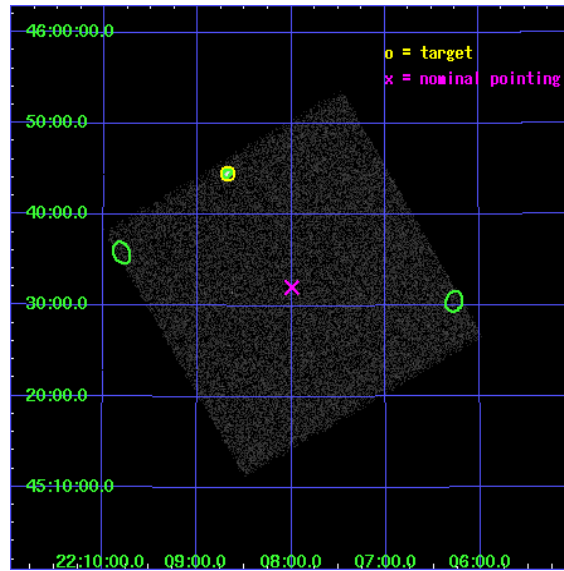
L2 Processing Date : Nov 23 2007

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

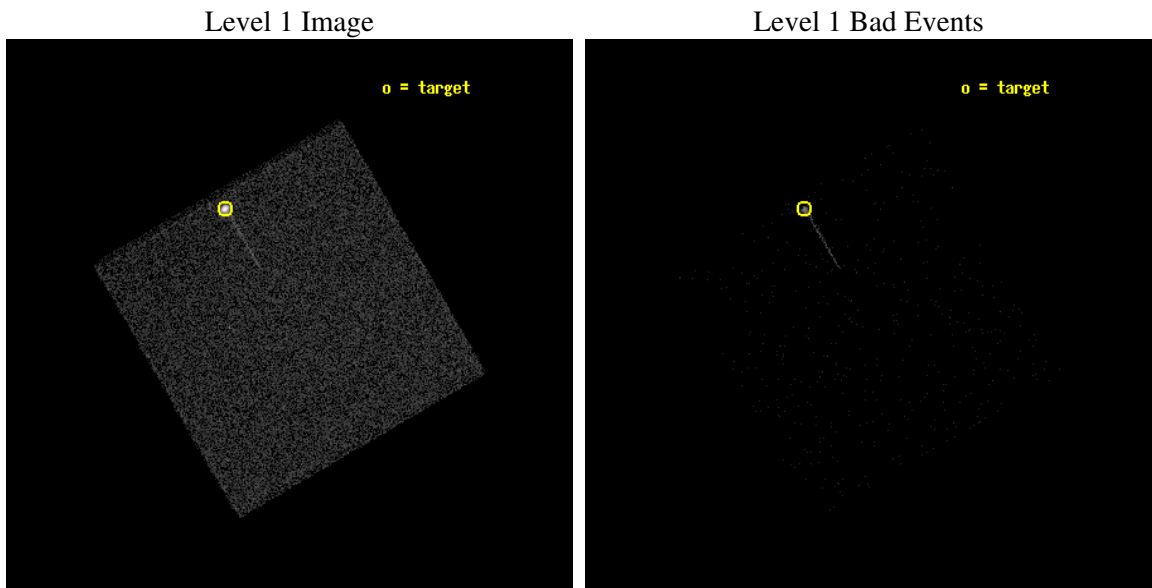
seq_num	290353
obs_id	5080
title	AO5 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	331.9983712623
dec_nom	45.534051413693
roll_nom	284.84077677483
revision	3
ontime	1081.6312986314
livetime	1073.9496997712
l2events	42165



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	2007-11-24T04:00:23
revision	3

sched_exp_time	900.000000
ontime	1081.6312986314
l1events	80345

2.1.3 Events

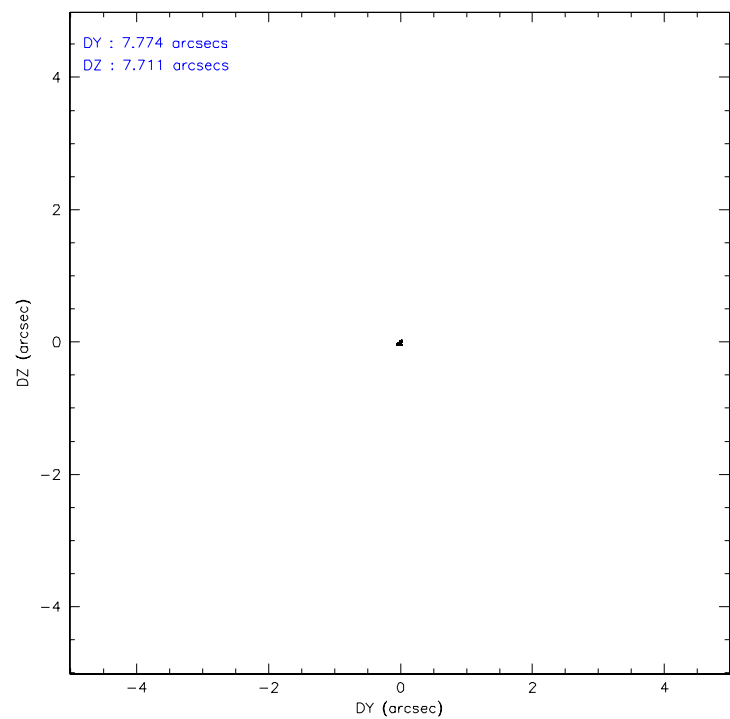
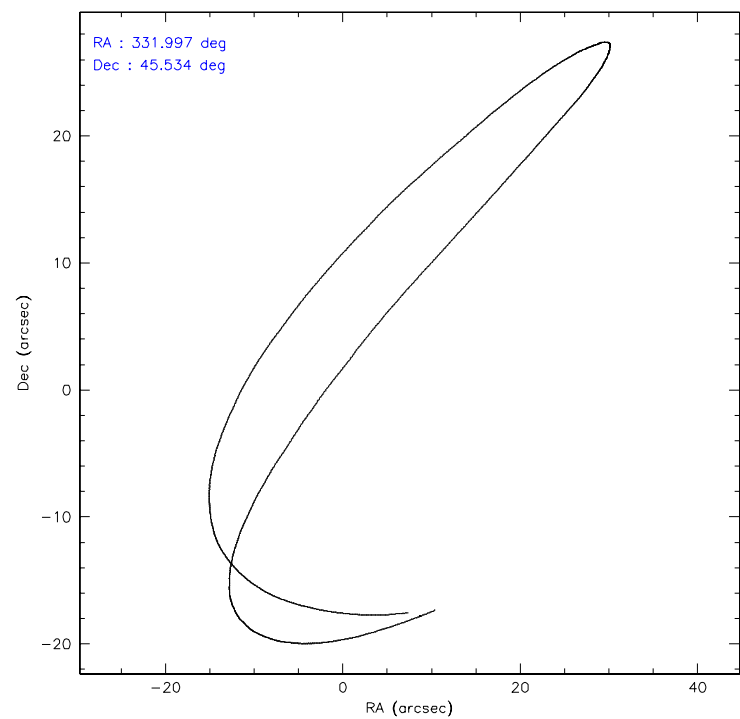
Level 1 Events

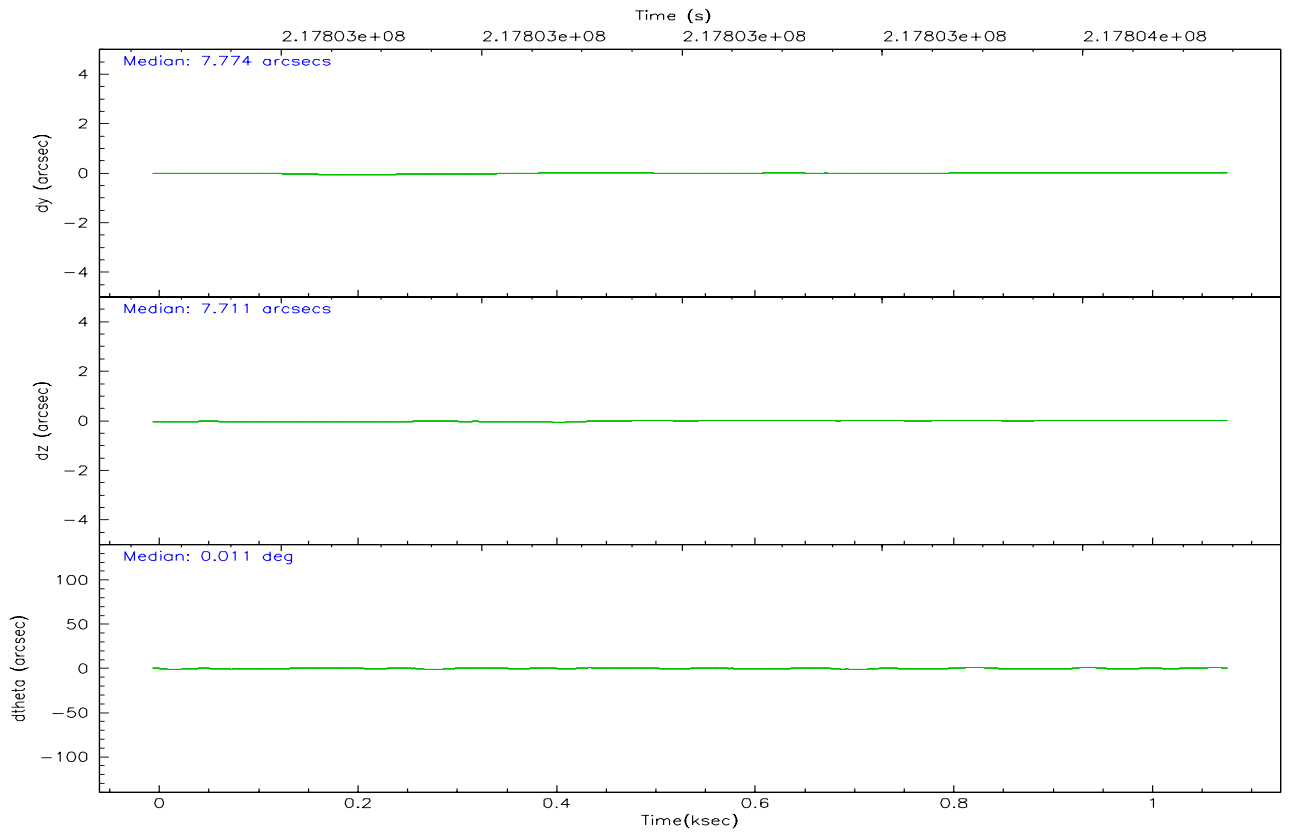
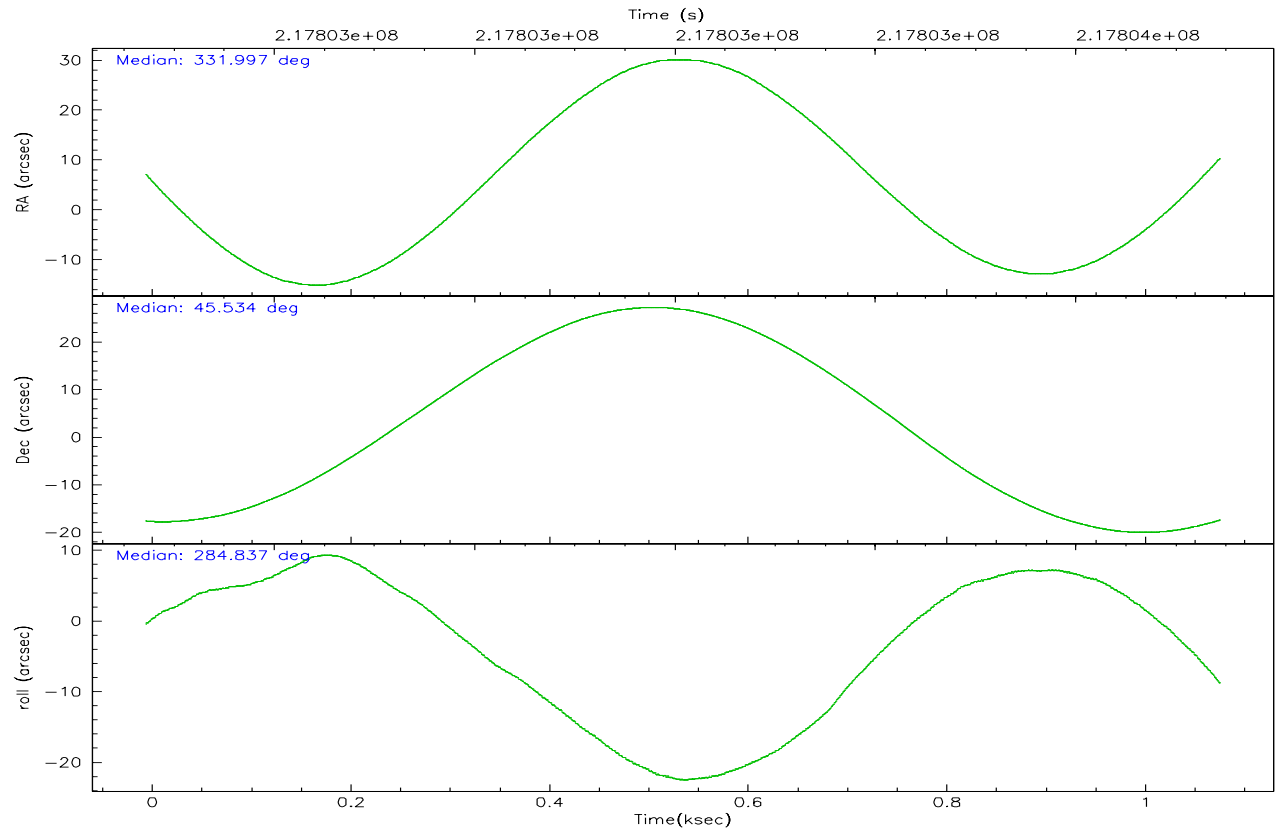
	segment 0
level 1 events	80345
rejected events	18664
rejected %	23%

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	331.972066	331.9983712623024			
Pointing Dec	45.553074	45.53405141369258			
Pointing Roll	284.955004	284.8407767748312			
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	217802847.184000	217802471.60897			
Observation start date	2004-11-25T20:46:23	2004-11-25T20:41:11			
Observation end time	217803747.184000	217803880.98404			
Observation end date	2004-11-25T21:01:23	2004-11-25T21:04:40			

2.3 Aspect



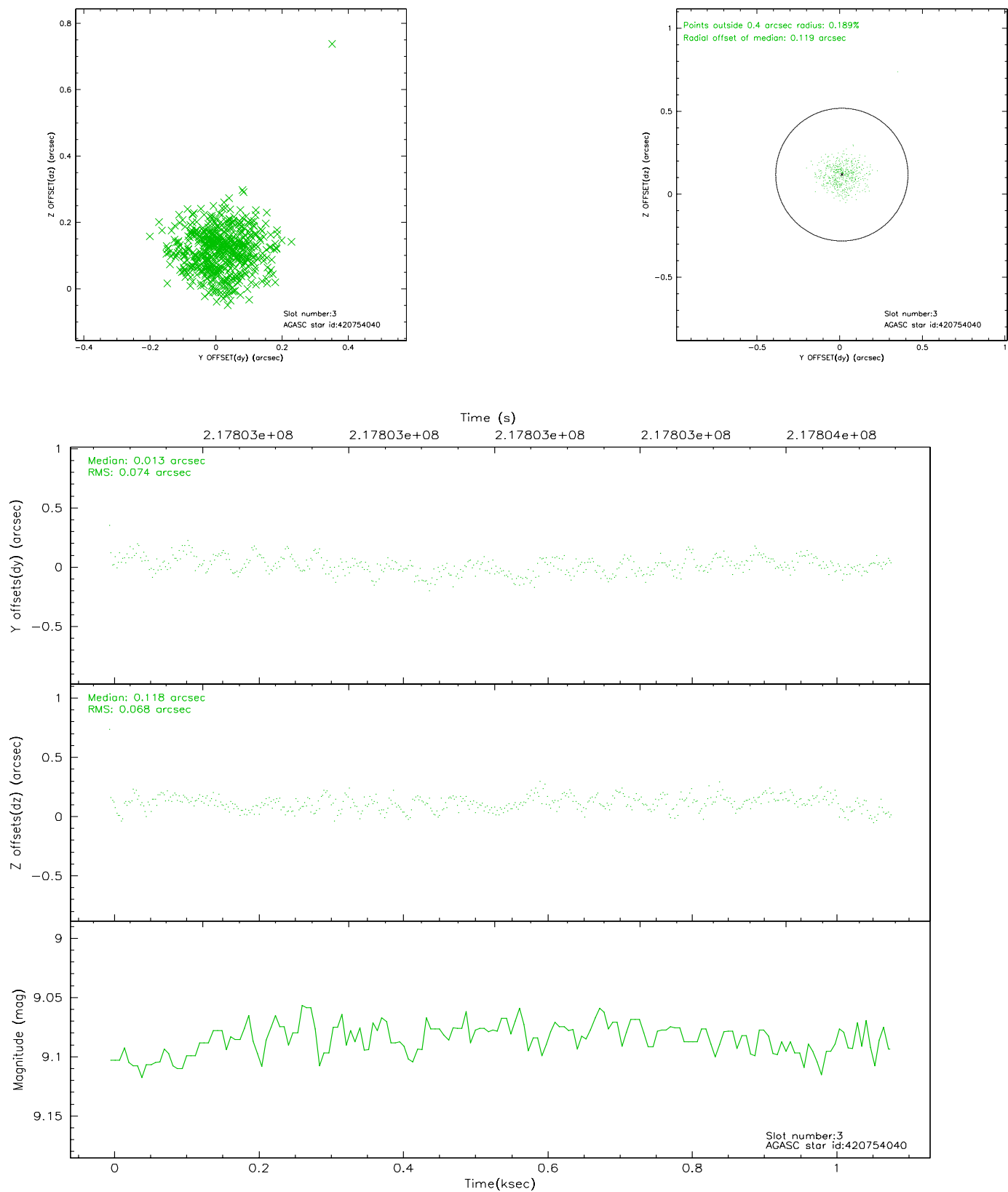


Slot Statistics

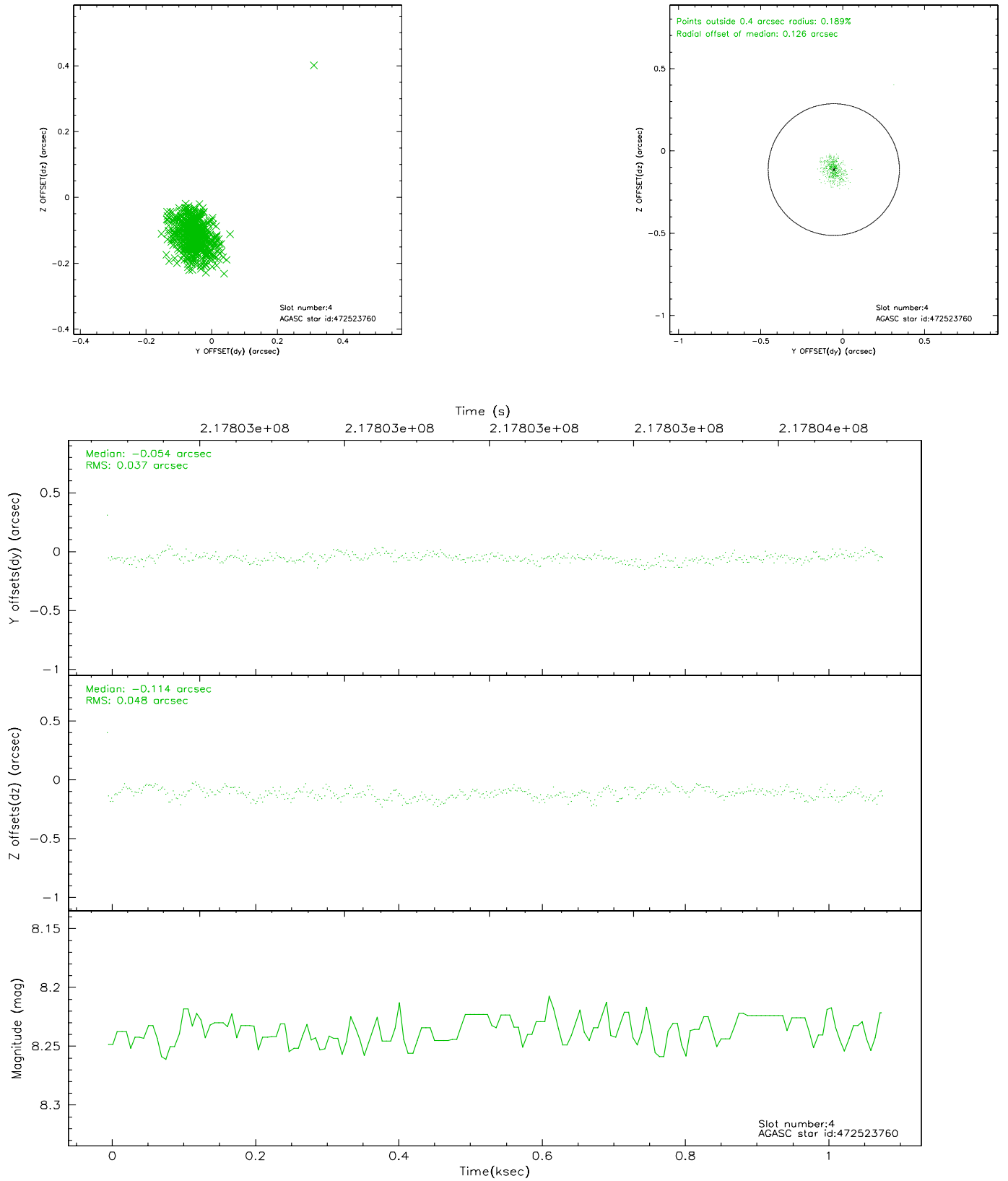
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.00	264	0.042	0.005	0.007	0.011	0.000000	0.000000	-763.39	-1295.58
1	FID	HRC-I-3	7.09	264	-0.069	-0.053	0.007	0.014	0.000000	0.000000	-1194.78	1004.04
2	FID	HRC-I-4	7.04	264	0.141	-0.041	0.006	0.008	0.000000	0.000000	1275.07	1010.25
3	GUIDE	420754040	9.09	529	0.013	0.118	0.103	0.163	331.917939	44.882543	2297.12	-751.21
4	GUIDE	472523760	8.23	529	-0.054	-0.114	0.059	0.096	331.645363	45.403260	311.32	-933.86
5	GUIDE	472527720	7.01	529	-0.016	0.025	0.081	0.136	331.460205	45.112509	1194.06	-1662.01
6	GUIDE	472654568	9.44	529	0.153	-0.149	0.091	0.148	332.194449	45.063576	1850.68	92.88
7	GUIDE	472655152	9.43	522	-0.099	0.121	0.128	0.207	332.504239	45.862991	-733.86	1582.46

2.4 Star Slots

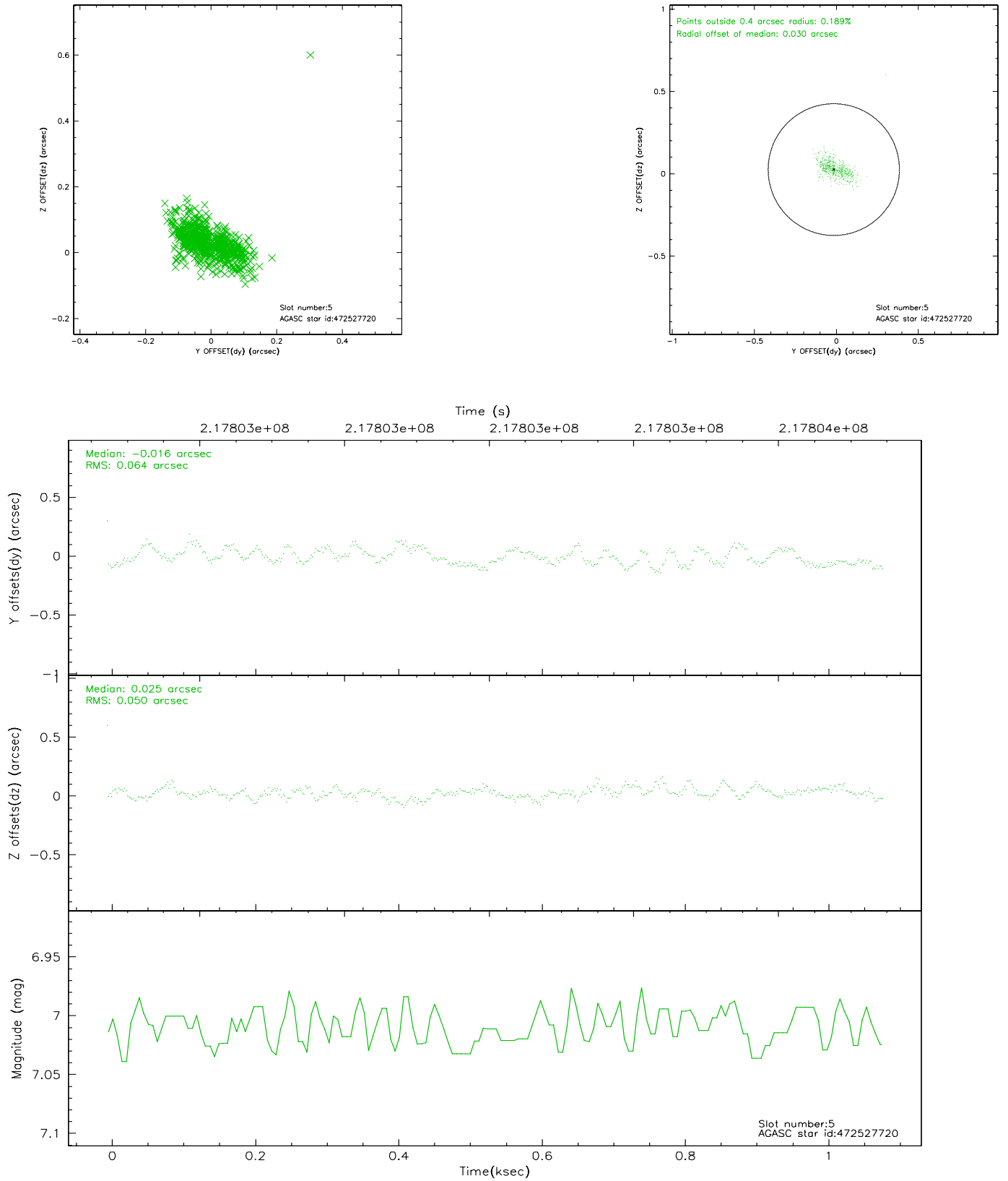
2.4.1 Slot 3



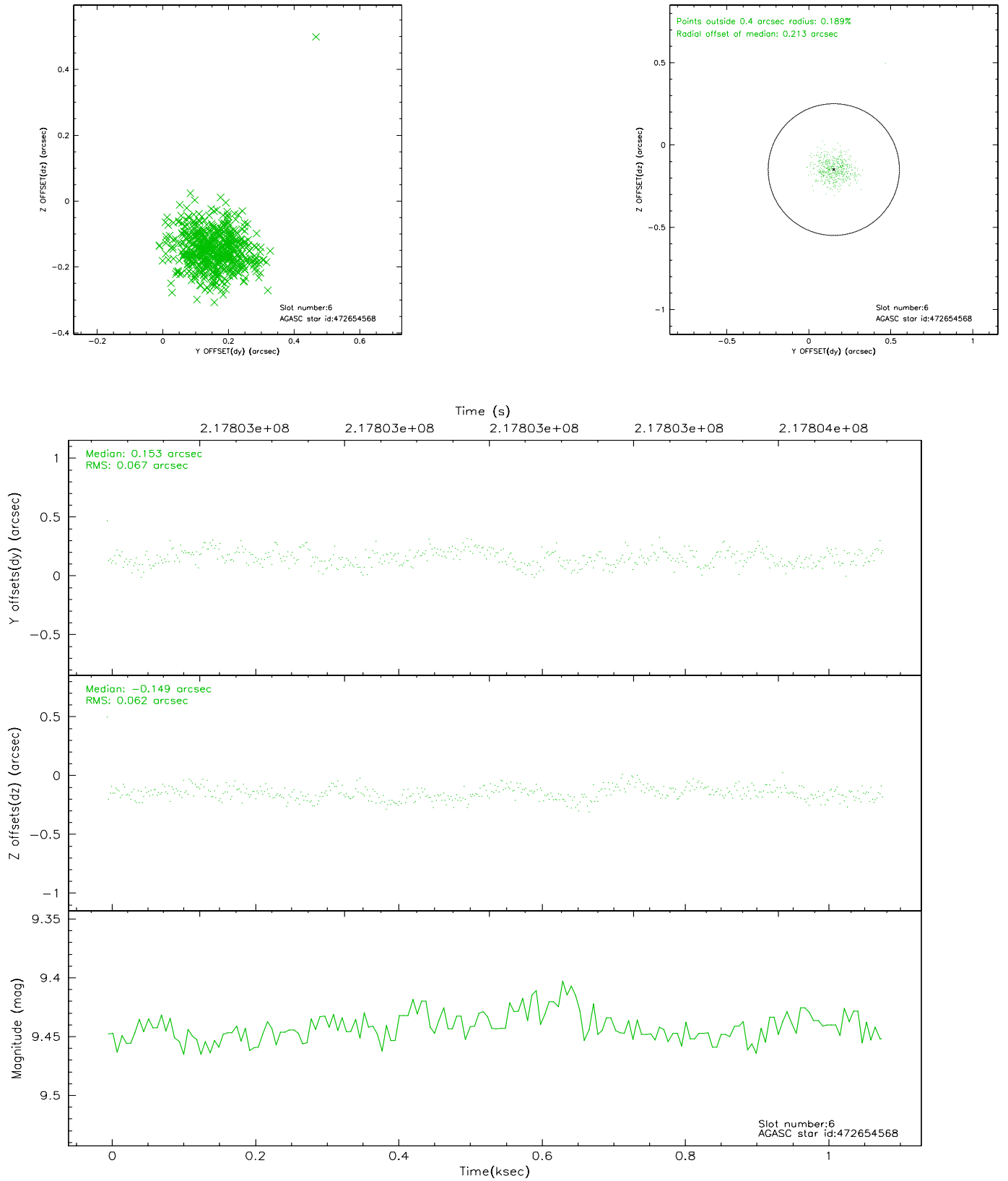
2.4.2 Slot 4



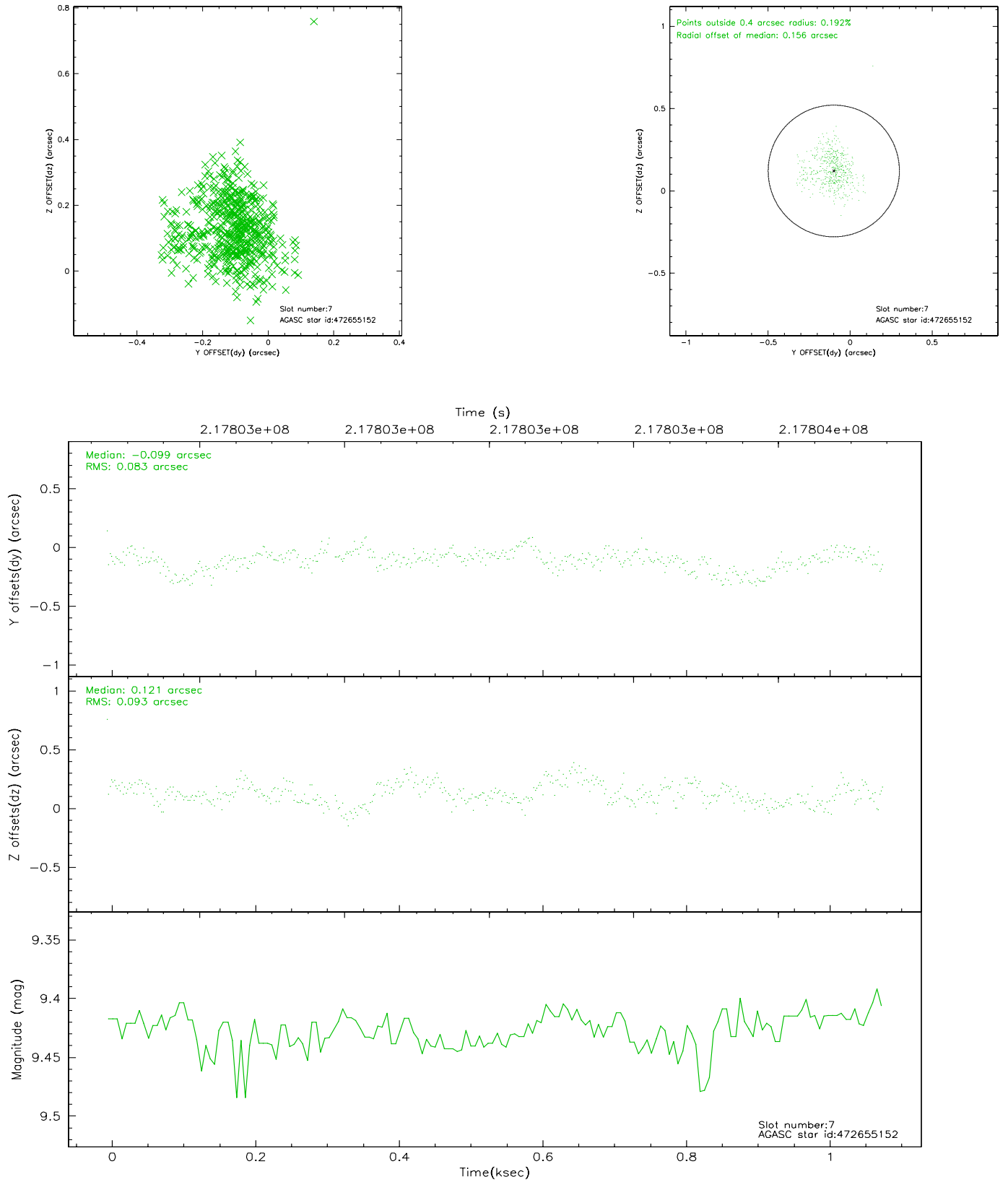
2.4.3 Slot 5



2.4.4 Slot 6

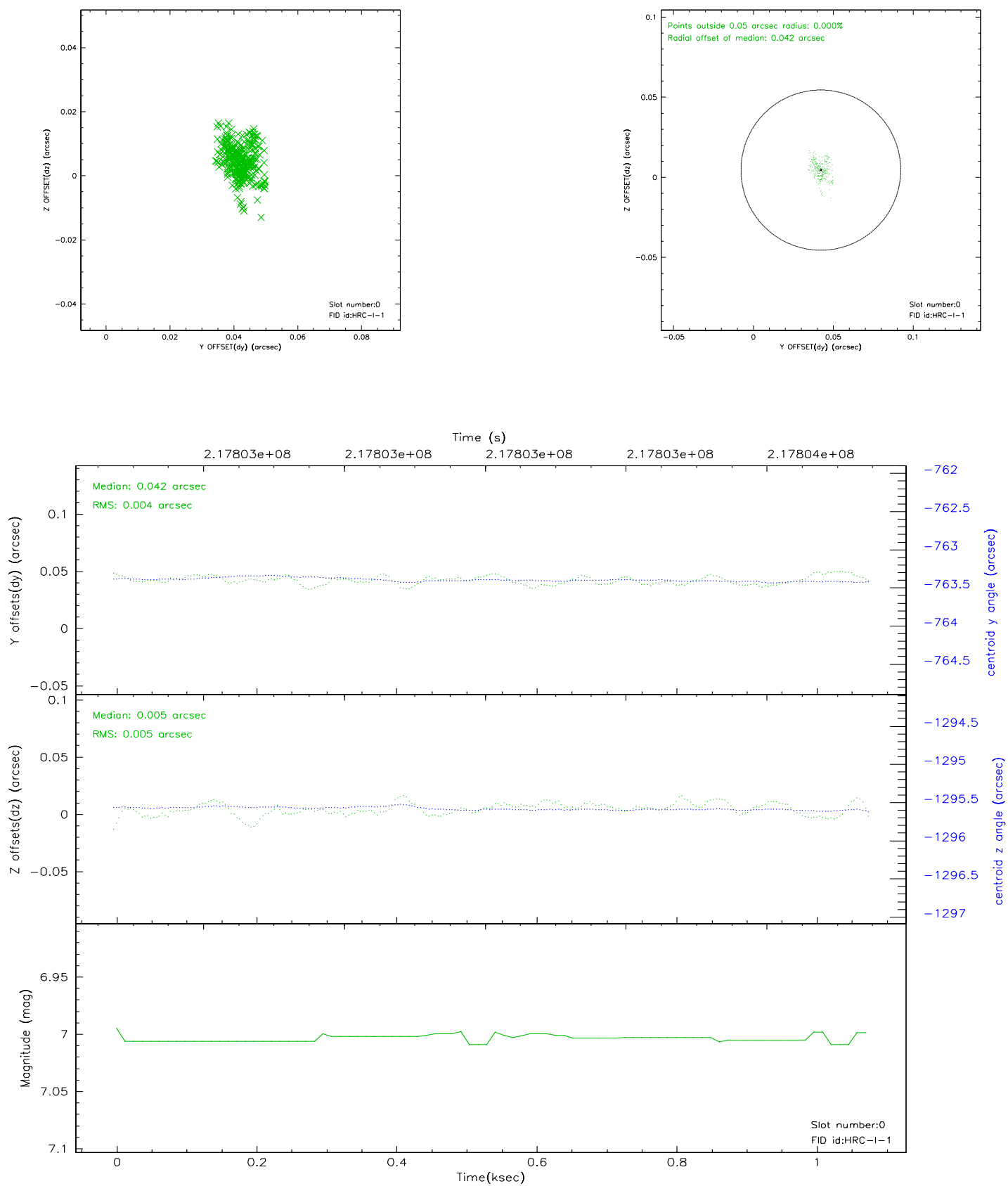


2.4.5 Slot 7

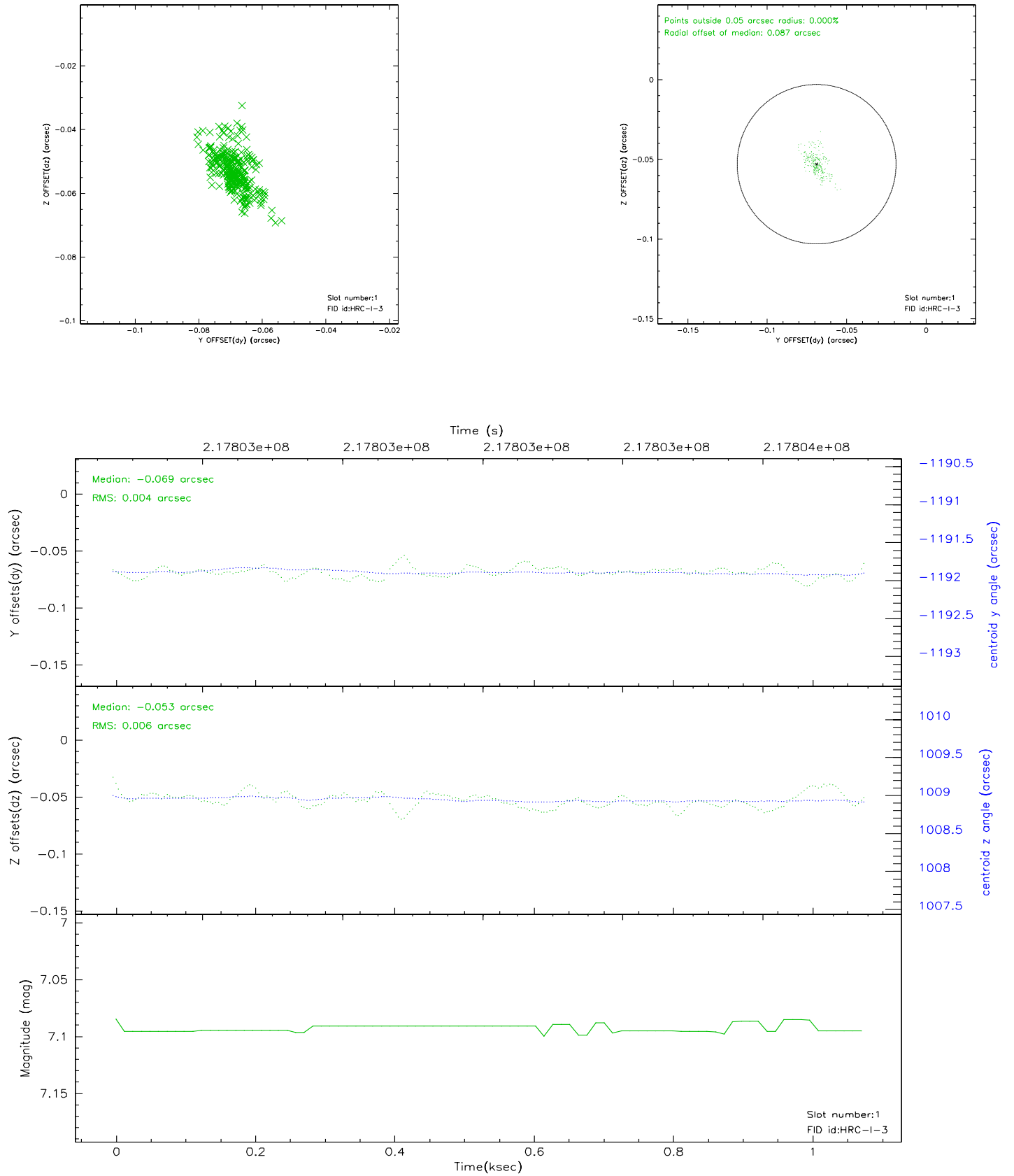


2.5 FID Slots

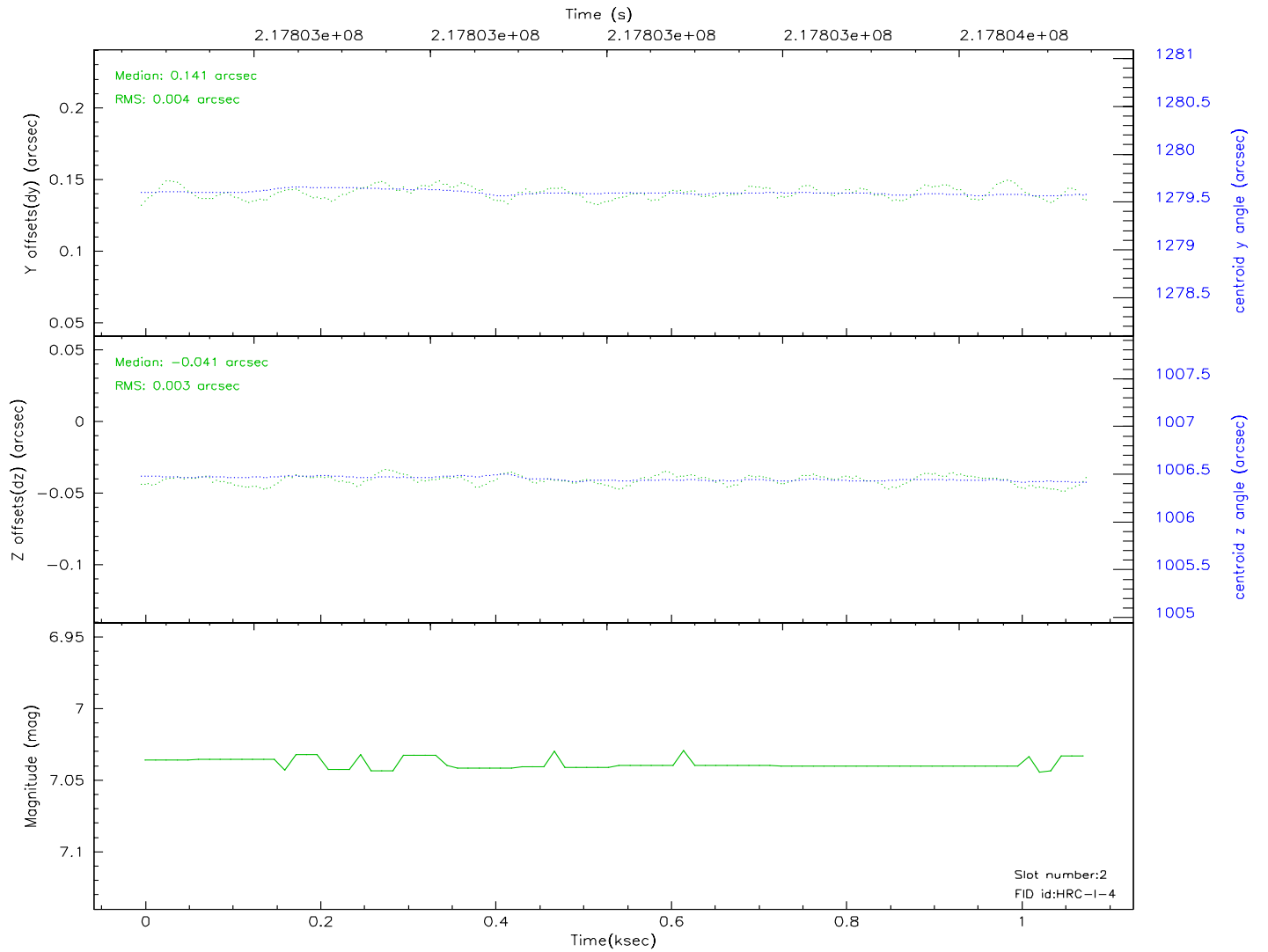
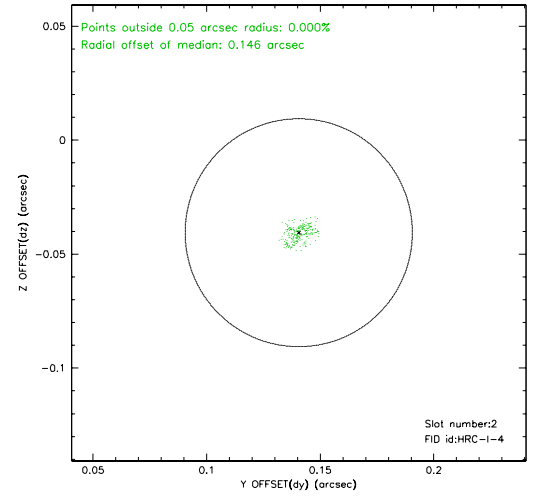
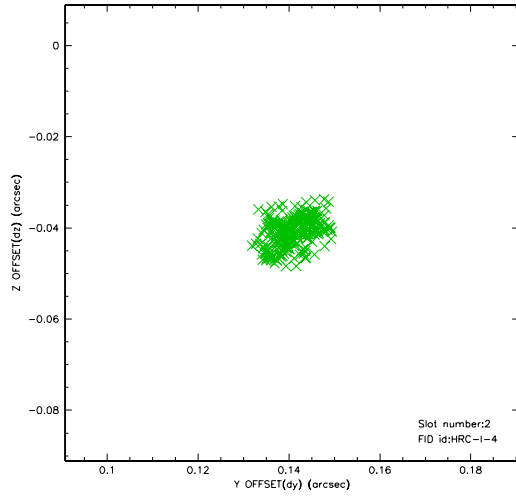
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources

19.34 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	1.081631

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.