

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5068 - L2 Version 3
Chandra X-Ray Center

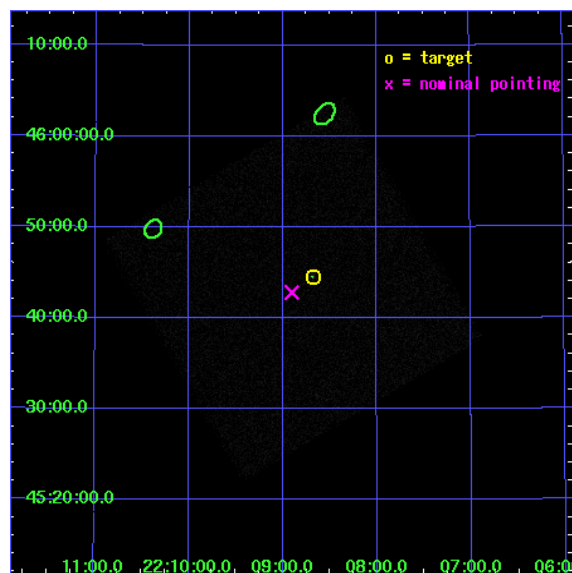
L2 Processing Date : Nov 23 2007

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1 Front

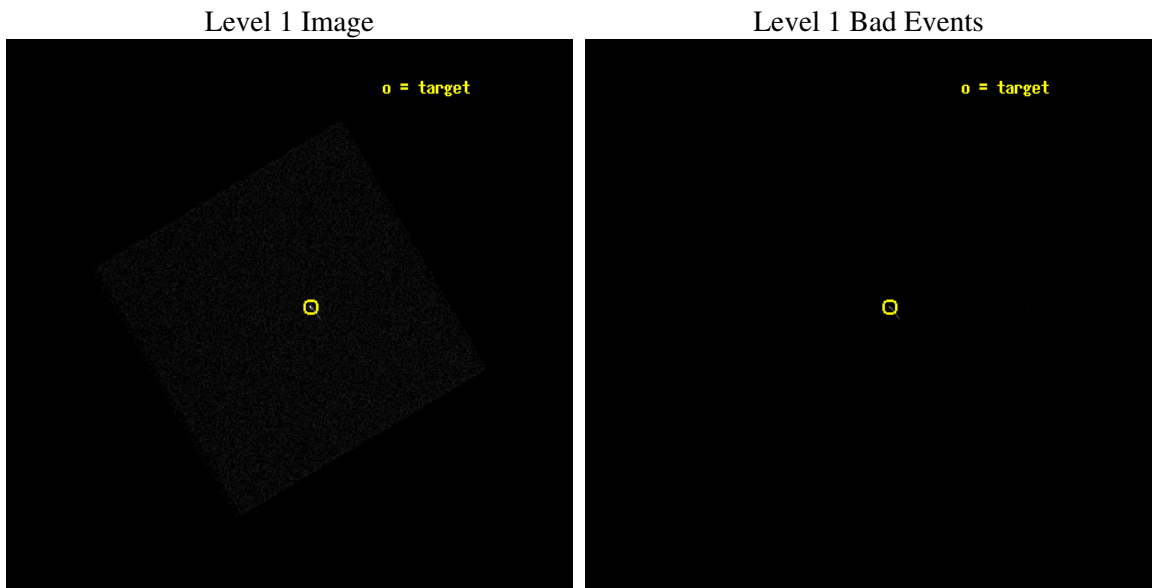
seq_num	290341
obs_id	5068
title	AO5 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.22578620729
dec_nom	45.714023478927
roll_nom	284.46886828062
revision	3
ontime	1081.375048548
livetime	1073.5742806141
l2events	43774



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	2007-11-24T01:46:53
revision	3

sched_exp_time	900.000000
ontime	1081.375048548
l1events	82423

2.1.3 Events

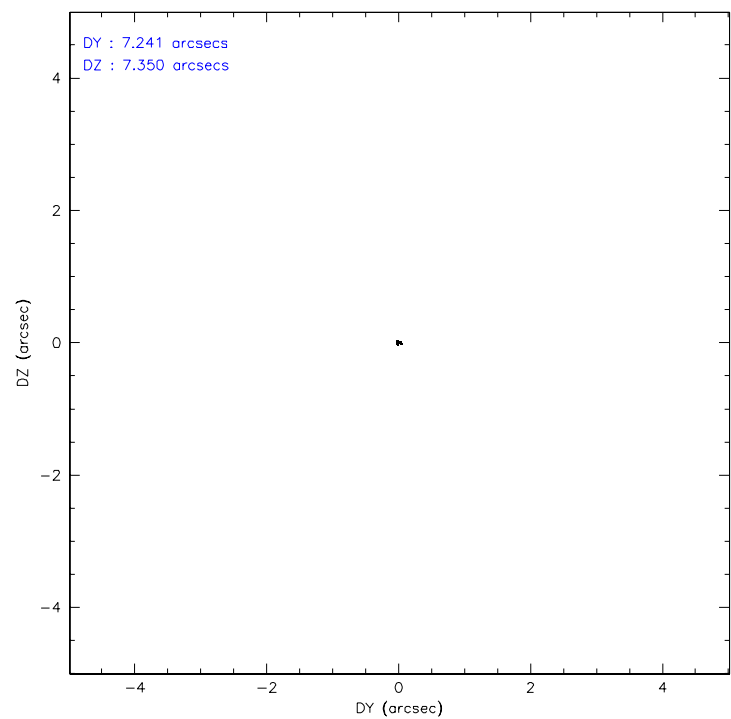
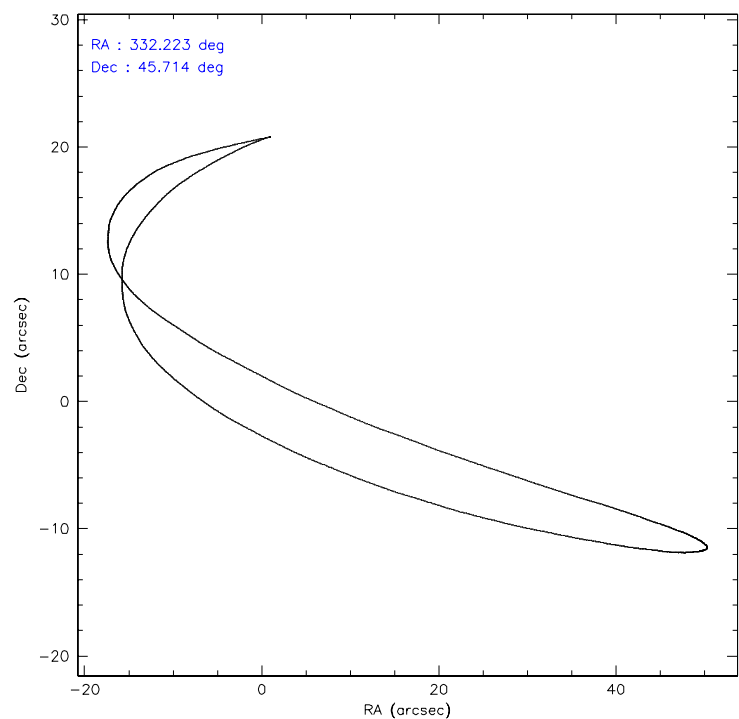
Level 1 Events

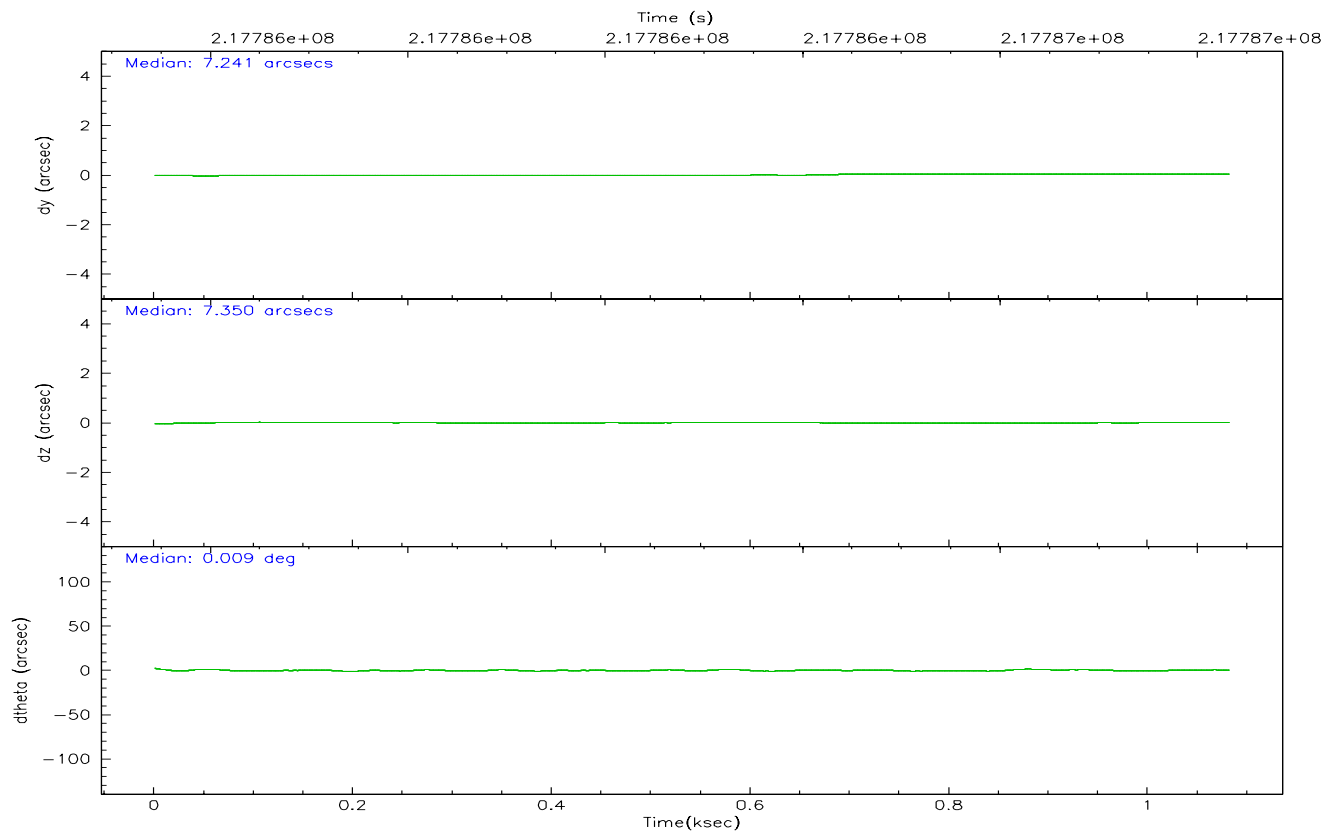
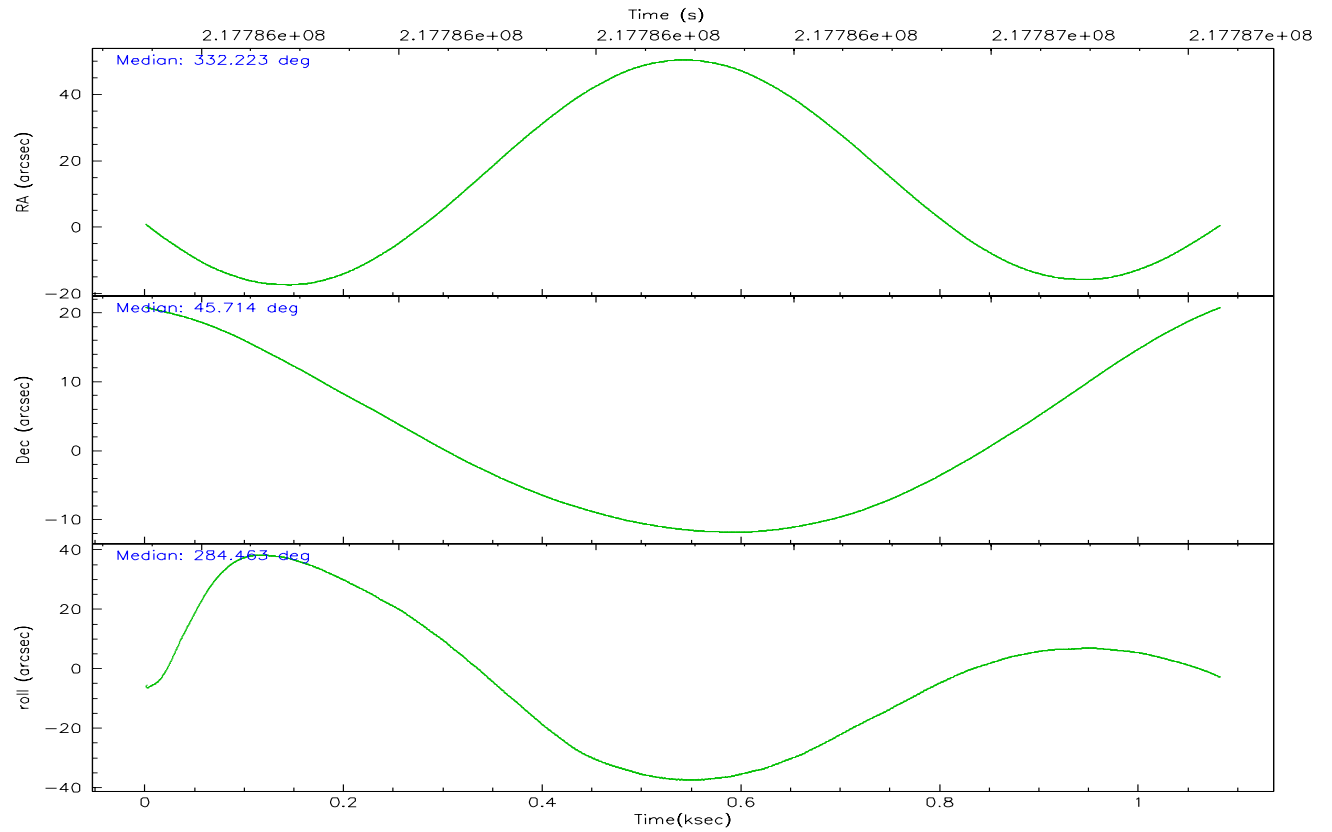
	segment 0
level 1 events	82423
rejected events	19055
rejected %	23%

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	332.199554	332.2257862072917			
Pointing Dec	45.733203	45.71402347892717			
Pointing Roll	284.583140	284.468868280623			
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	217785927.184000	217785550.90821			
Observation start date	2004-11-25T16:04:23	2004-11-25T15:59:10			
Observation end time	217786827.184000	217786961.30828			
Observation end date	2004-11-25T16:19:23	2004-11-25T16:22:41			

2.3 Aspect



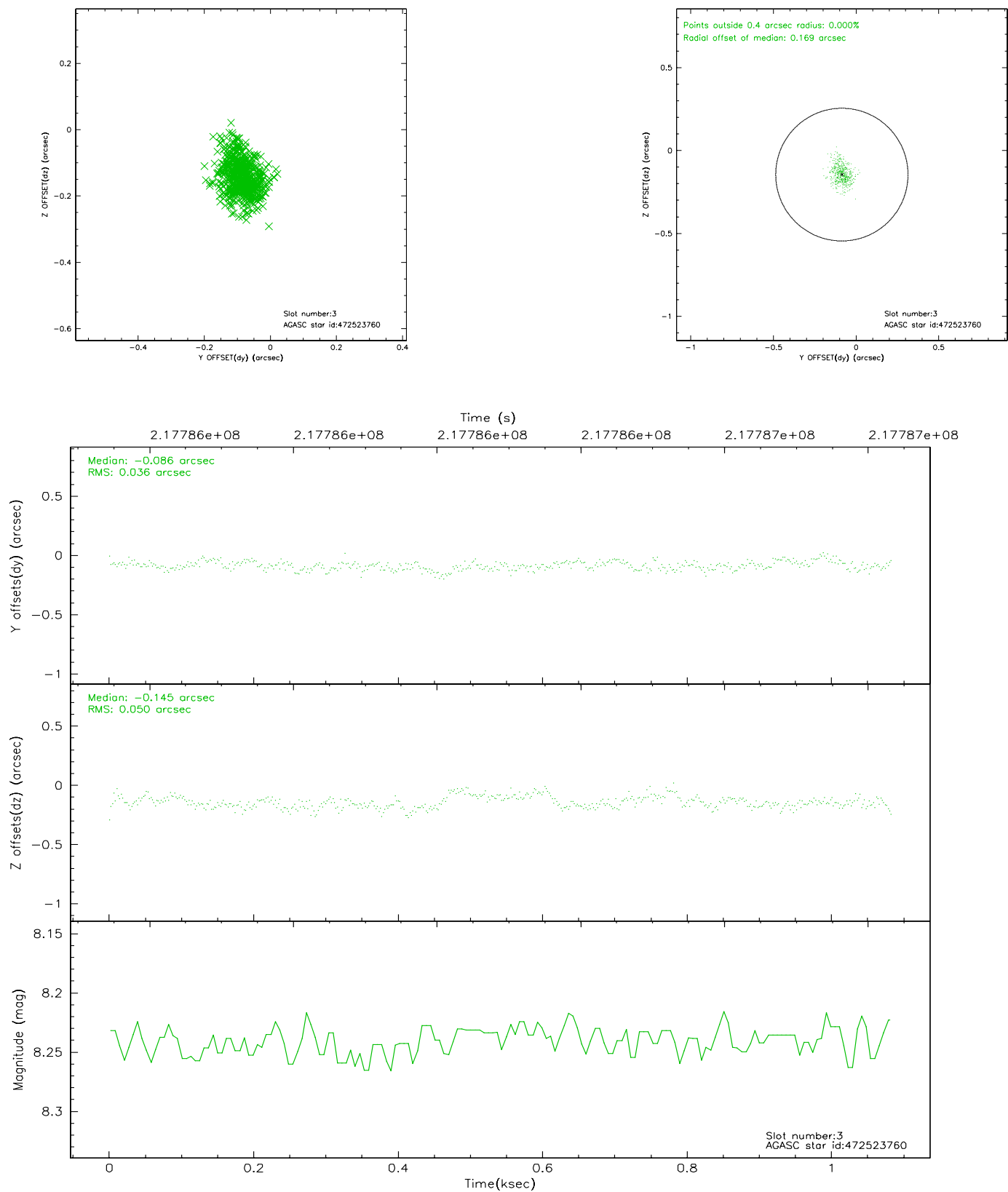


Slot Statistics

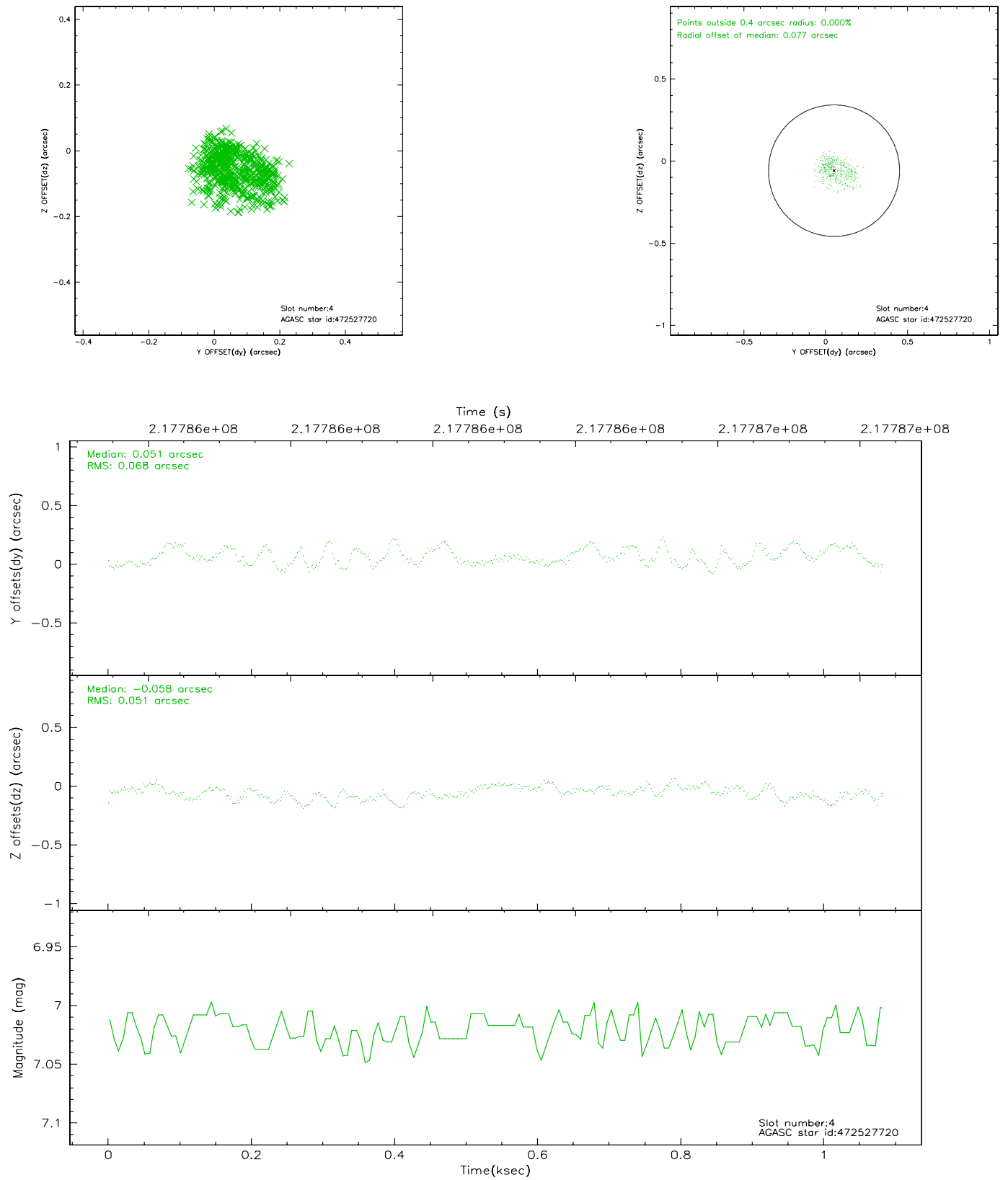
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.02	264	0.008	0.023	0.008	0.013	0.000000	0.000000	-762.84	-1295.23
1	FID	HRC-I-2	7.05	264	0.128	-0.106	0.006	0.011	0.000000	0.000000	847.02	-1301.85
2	FID	HRC-I-3	7.10	264	-0.018	-0.006	0.007	0.012	0.000000	0.000000	-1188.13	1004.38
3	GUIDE	472523760	8.24	529	-0.086	-0.145	0.065	0.109	331.645363	45.403260	792.69	-1649.32
4	GUIDE	472527720	7.02	529	0.051	-0.058	0.092	0.139	331.460205	45.112509	1683.51	-2377.05
5	GUIDE	472654568	9.44	529	0.121	0.039	0.112	0.185	332.194449	45.063576	2333.49	-619.44
6	GUIDE	472655152	9.42	529	-0.028	0.086	0.119	0.196	332.504239	45.862991	-256.56	860.42
7	GUIDE	472659832	9.46	528	-0.069	0.078	0.099	0.161	332.780399	46.098139	-911.91	1741.25

2.4 Star Slots

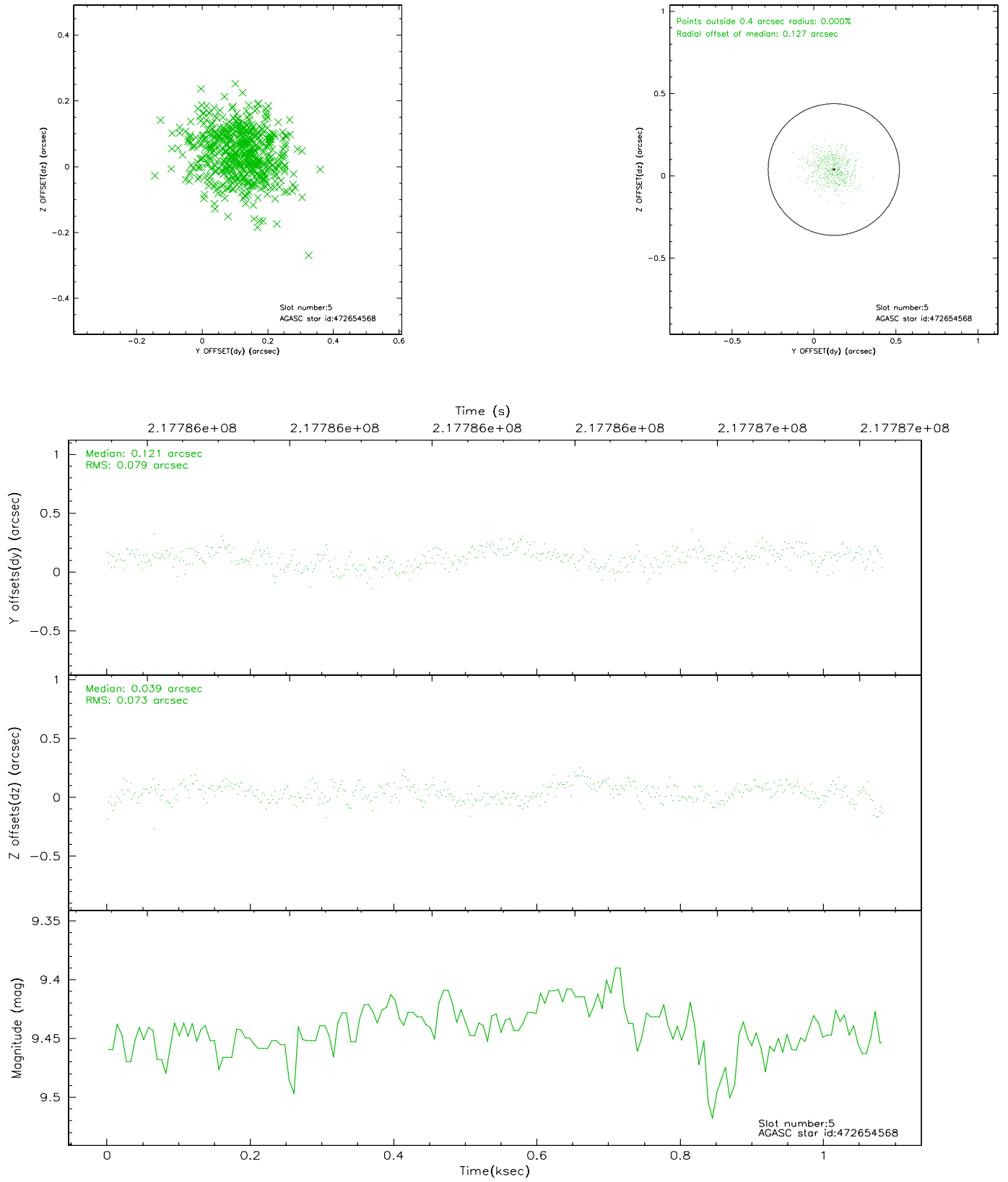
2.4.1 Slot 3



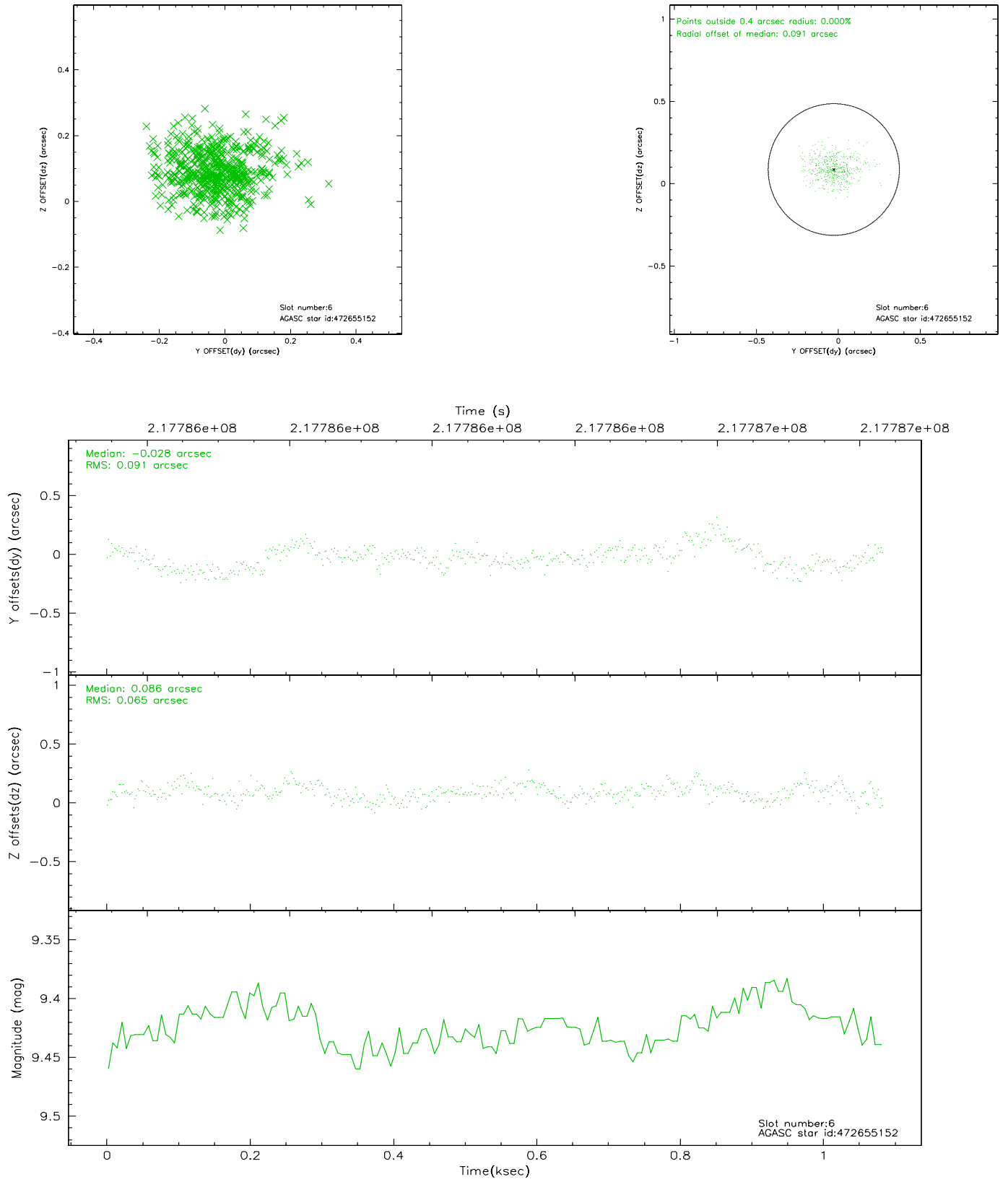
2.4.2 Slot 4



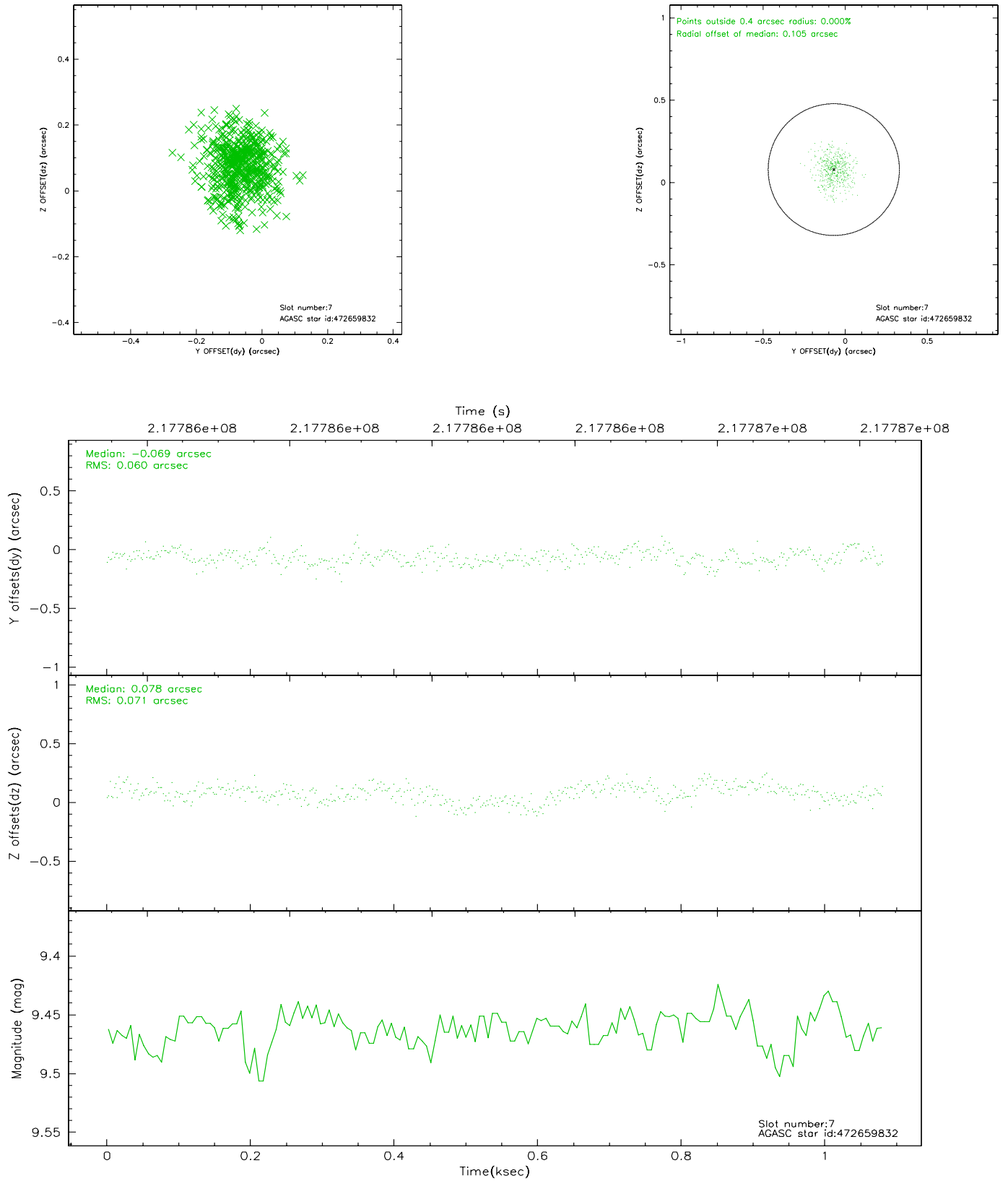
2.4.3 Slot 5



2.4.4 Slot 6

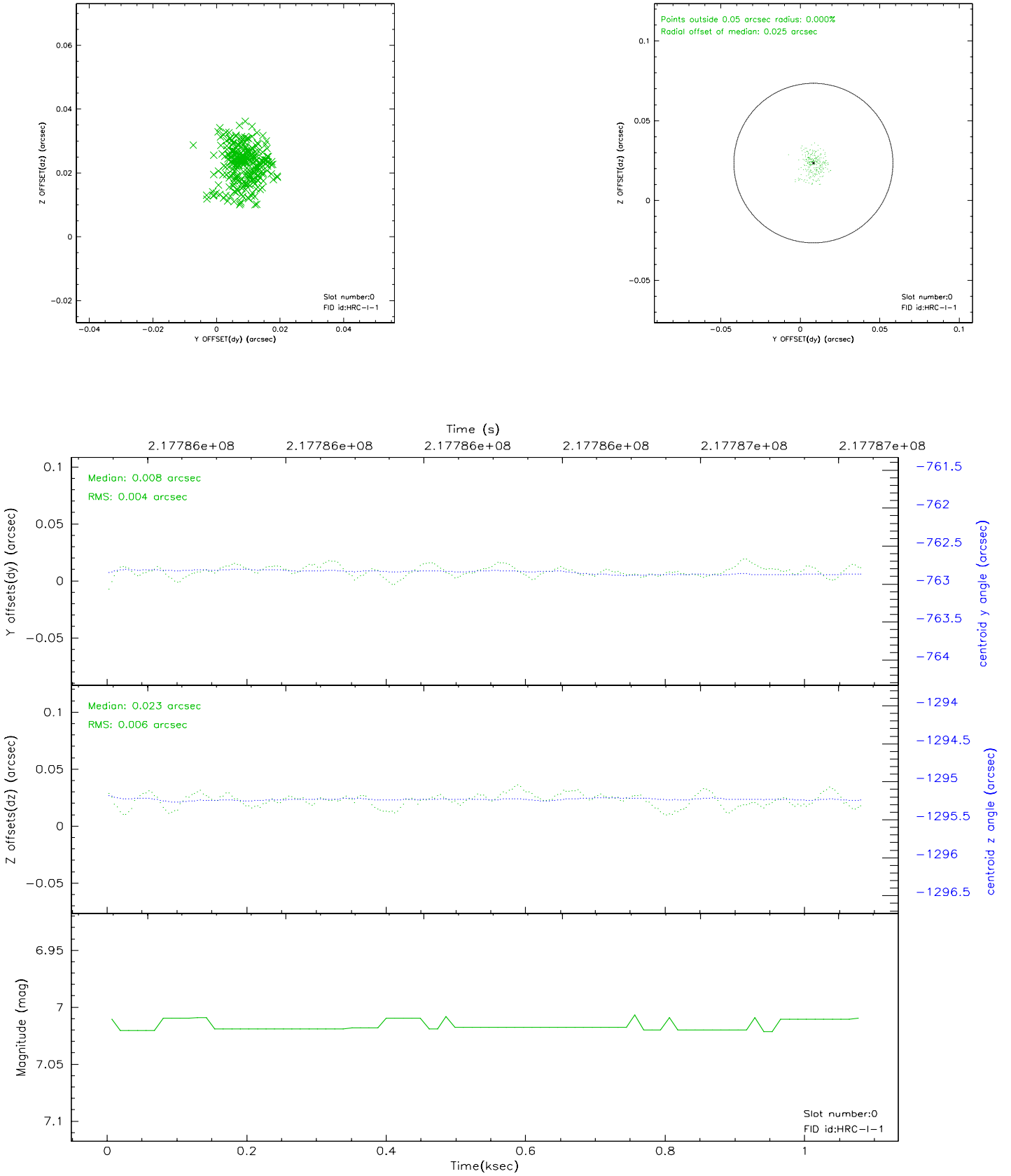


2.4.5 Slot 7

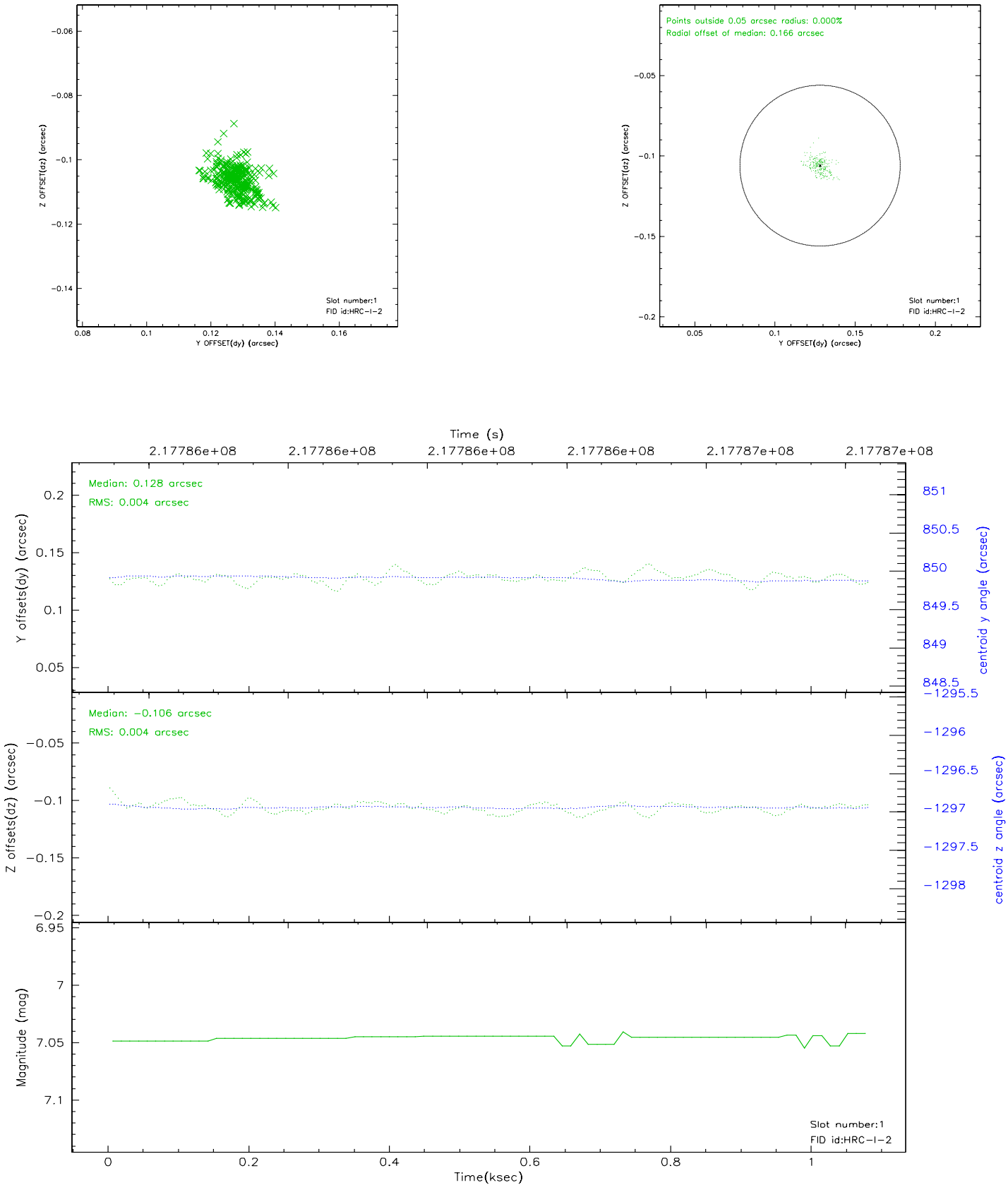


2.5 FID Slots

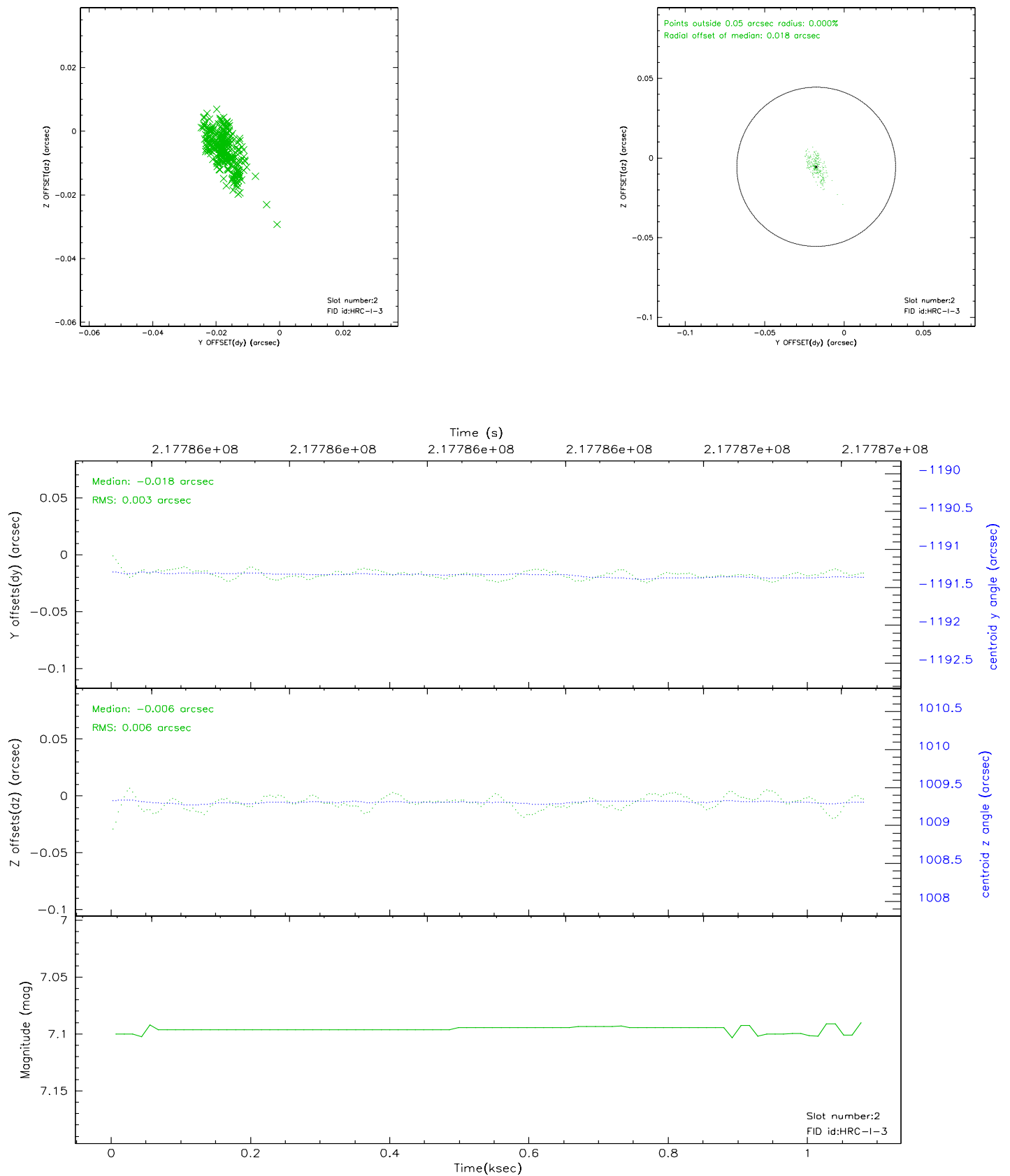
2.5.1 Slot 0



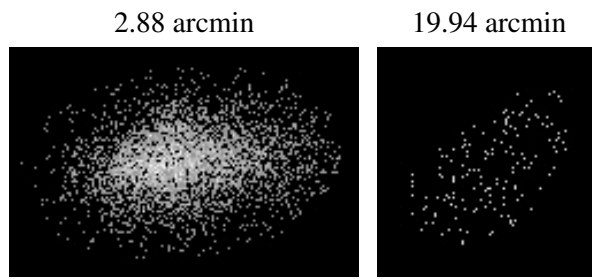
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.12.05
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.