

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5074 - L2 Version 3
Chandra X-Ray Center

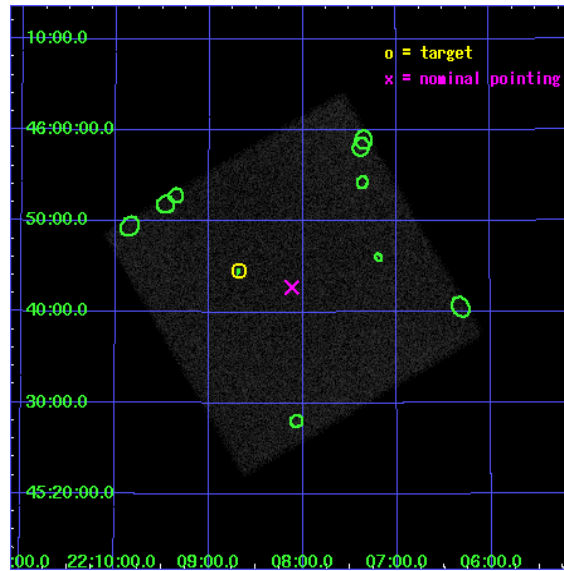
L2 Processing Date : Nov 23 2007

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1 Front

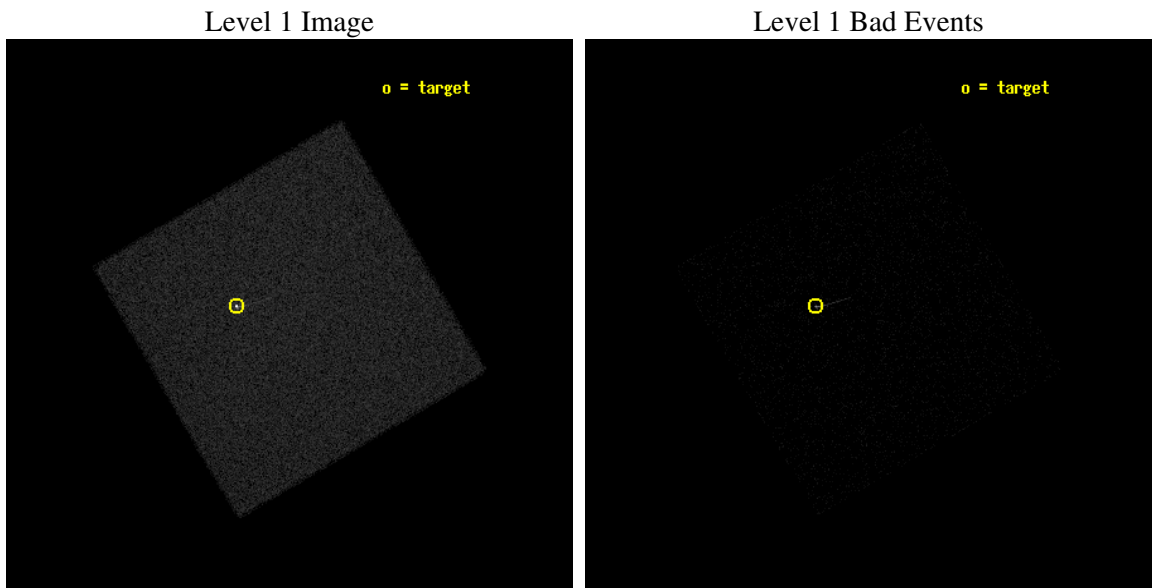
seq_num	290347
obs_id	5074
title	AO5 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.02902100496
dec_nom	45.712472266749
roll_nom	284.68827413433
revision	3
ontime	1079.5812985301
livetime	1058.1030428215
l2events	104337



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	2007-11-24T03:14:33
revision	3

sched_exp_time	900.000000
ontime	1079.5812985301
l1events	197524

2.1.3 Events

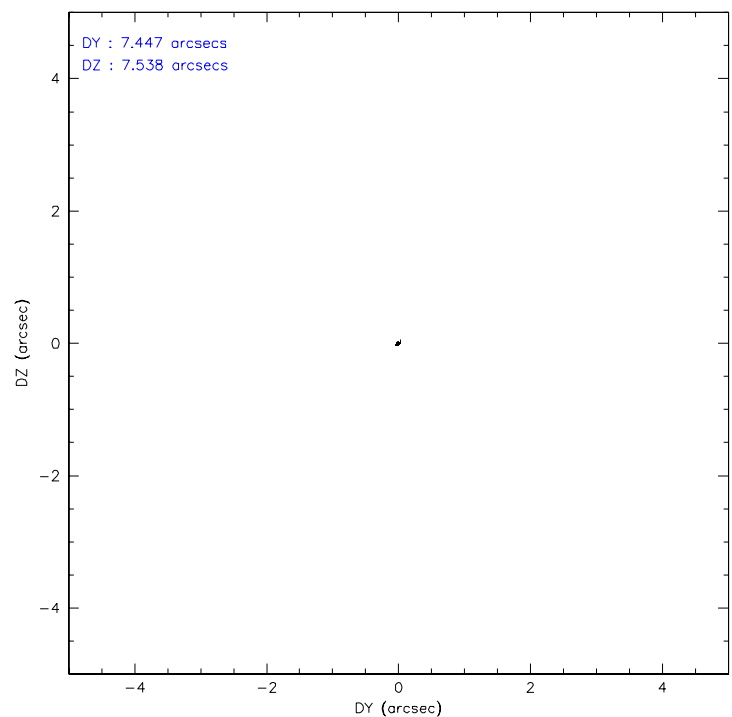
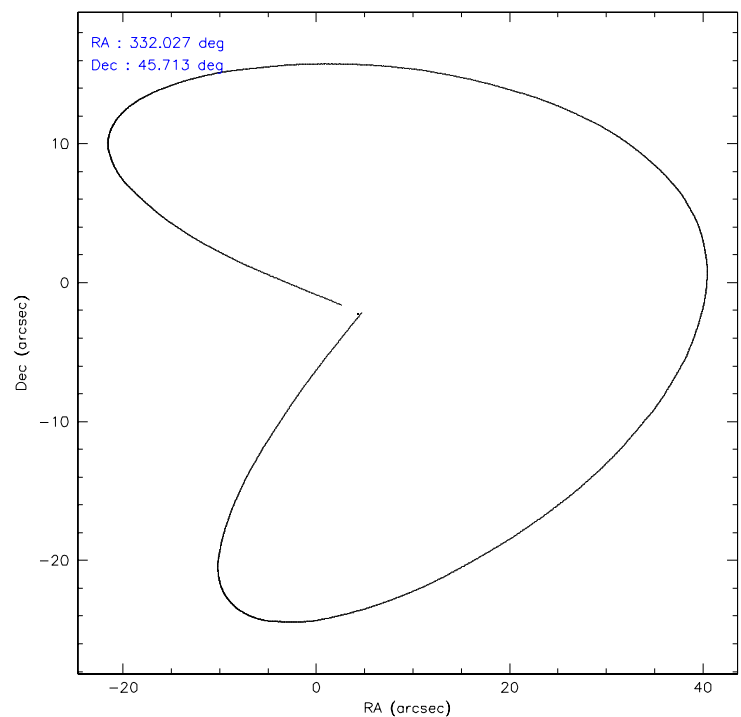
Level 1 Events

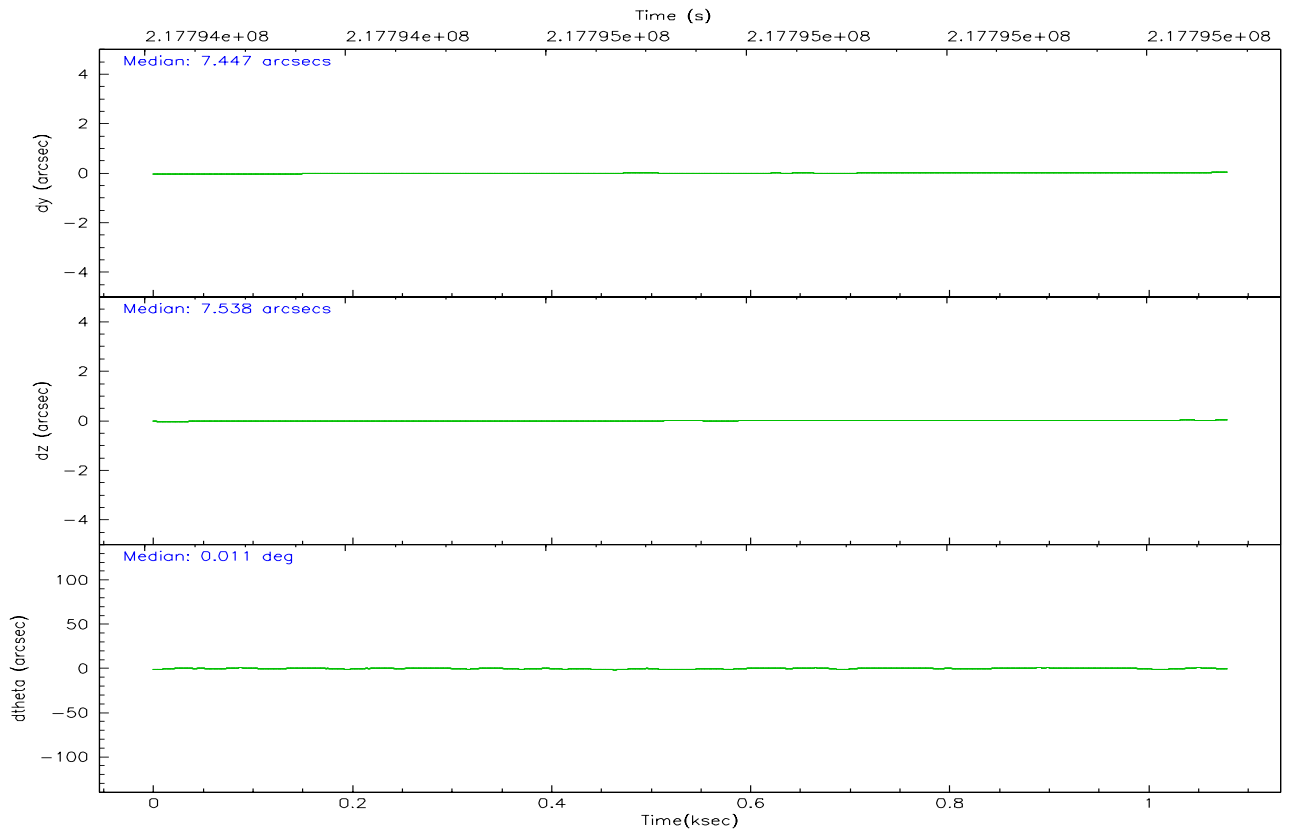
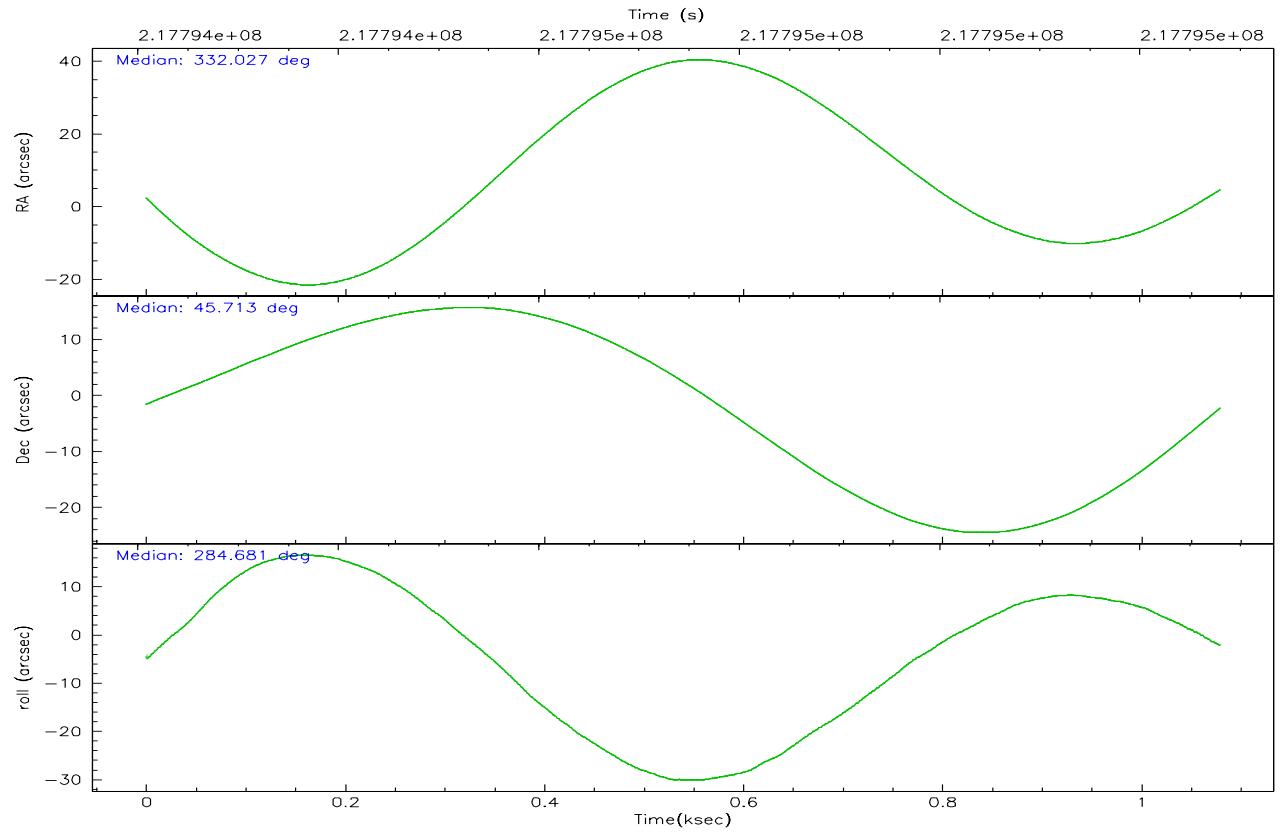
	segment 0
level 1 events	197524
rejected events	49704
rejected %	25%

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	332.002688	332.0290210049628			
Pointing Dec	45.731563	45.71247226674917			
Pointing Roll	284.802669	284.6882741343315			
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	217794387.184000	217794011.25859			
Observation start date	2004-11-25T18:25:23	2004-11-25T18:20:11			
Observation end time	217795287.184000	217795421.14616			
Observation end date	2004-11-25T18:40:23	2004-11-25T18:43:41			

2.3 Aspect



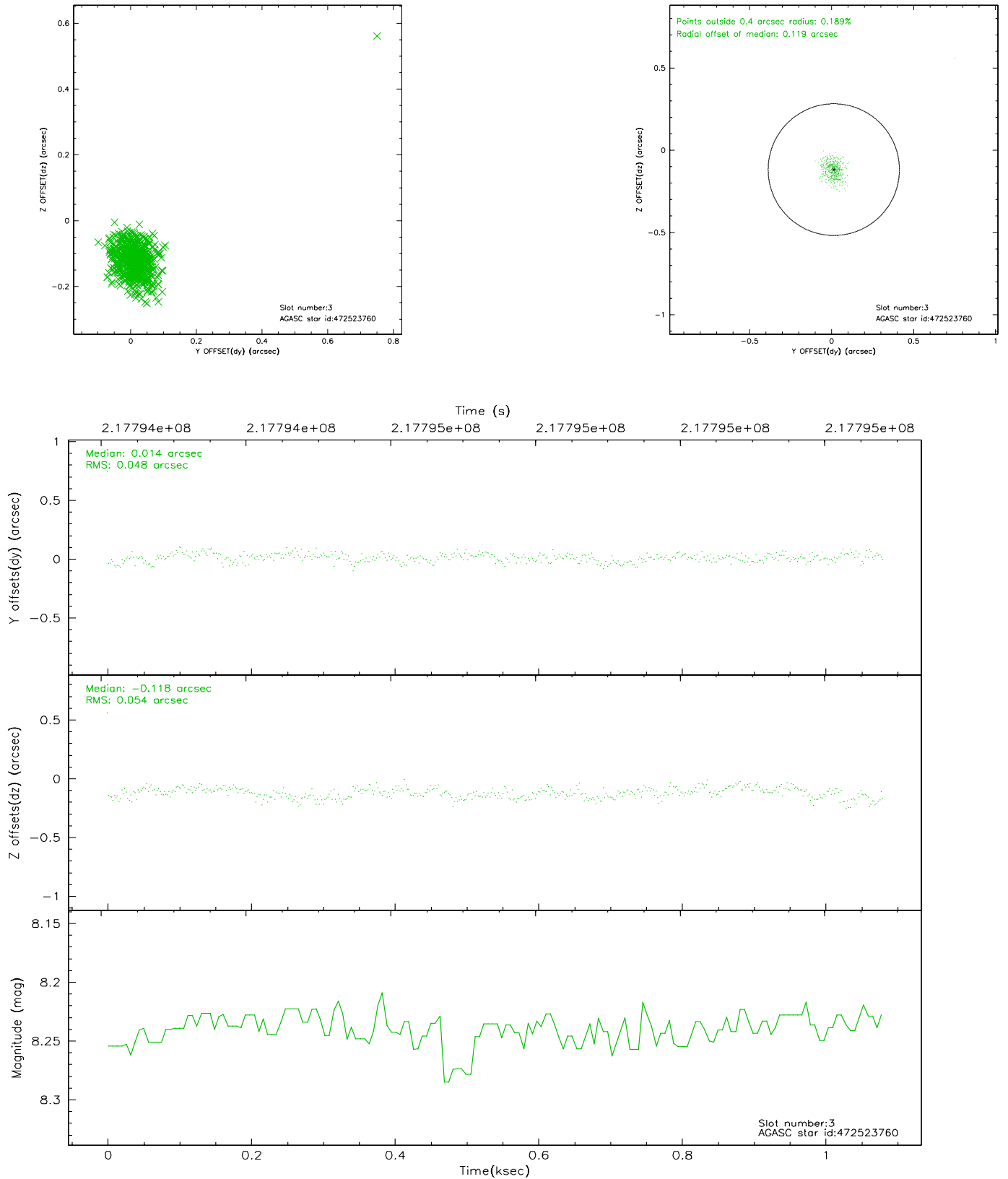


Slot Statistics

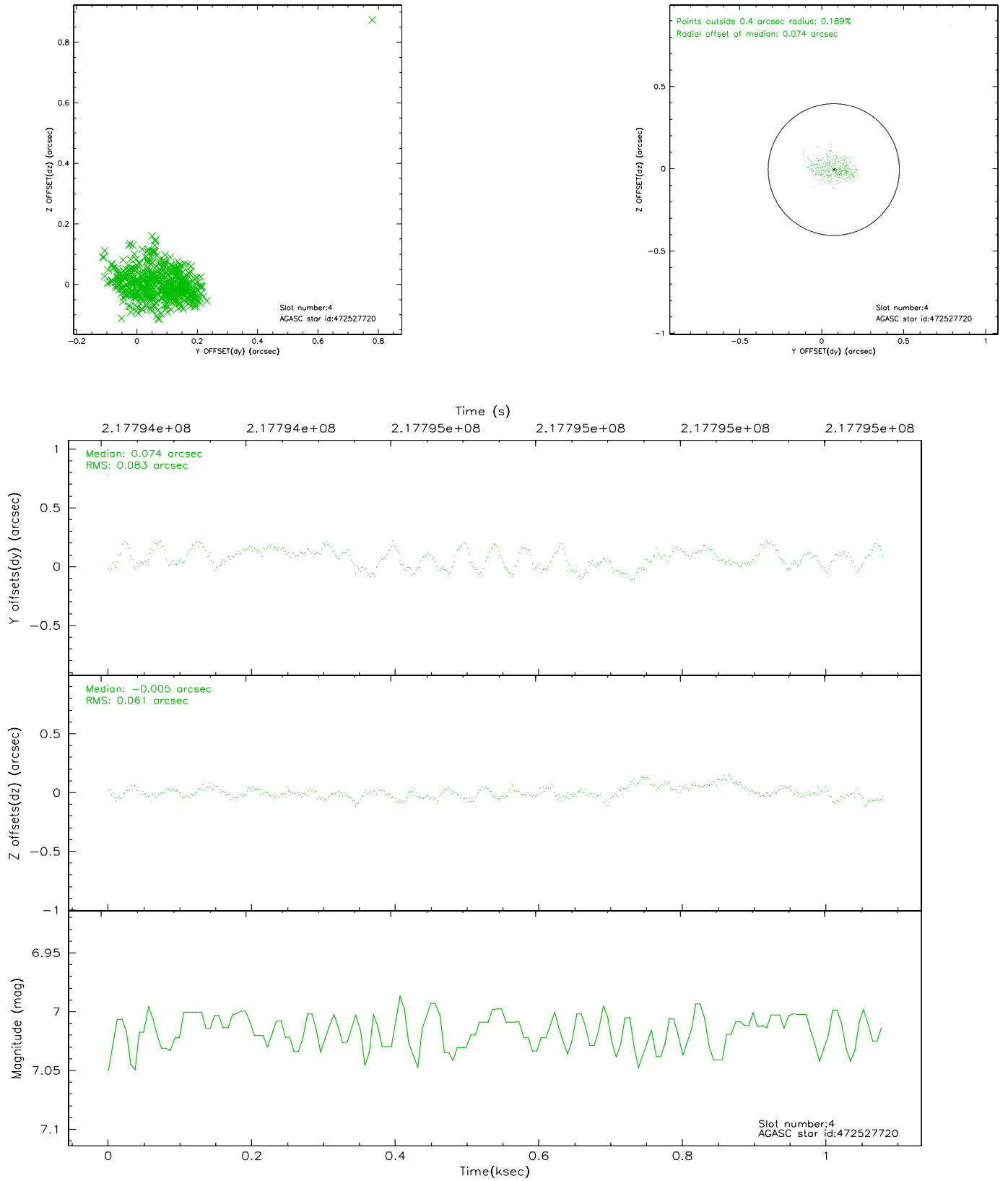
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.01	264	0.042	0.002	0.006	0.010	0.000000	0.000000	-763.06	-1295.42
1	FID	HRC-I-3	7.09	264	-0.071	-0.050	0.007	0.010	0.000000	0.000000	-1194.45	1004.21
2	FID	HRC-I-4	7.05	264	0.143	-0.041	0.005	0.009	0.000000	0.000000	1275.41	1010.43
3	GUIDE	472523760	8.24	528	0.014	-0.118	0.062	0.100	331.645363	45.403260	910.52	-1170.33
4	GUIDE	472527720	7.01	528	0.074	-0.005	0.100	0.148	331.460205	45.112509	1800.48	-1898.31
5	GUIDE	472655152	9.42	525	0.049	0.141	0.115	0.194	332.504239	45.862991	-136.29	1338.51
6	GUIDE	472659832	9.47	528	0.001	-0.015	0.131	0.217	332.780399	46.098139	-789.31	2223.34
7	GUIDE	472533912	9.15	526	-0.126	-0.009	0.078	0.128	331.791136	46.368695	-2353.76	86.31

2.4 Star Slots

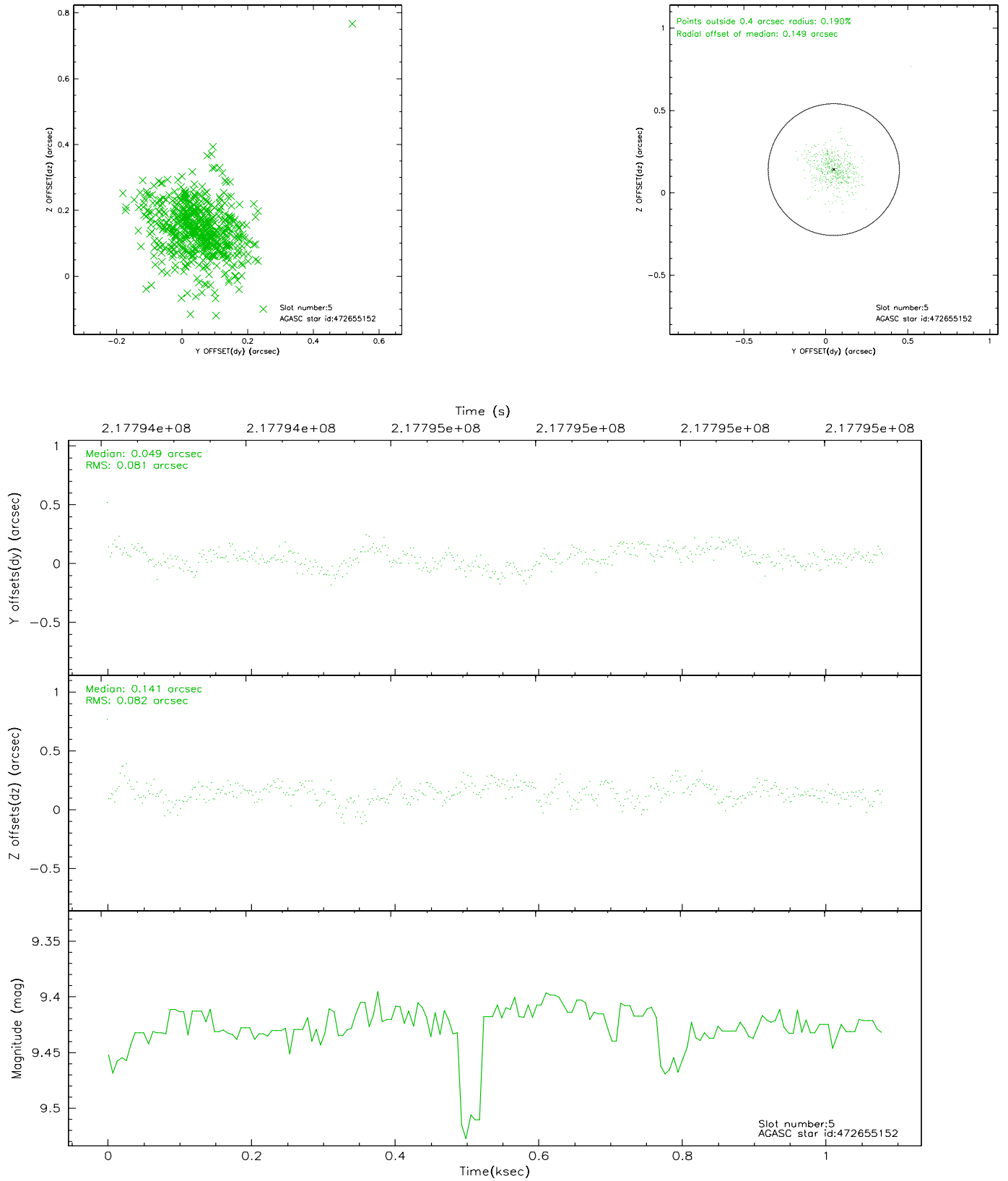
2.4.1 Slot 3



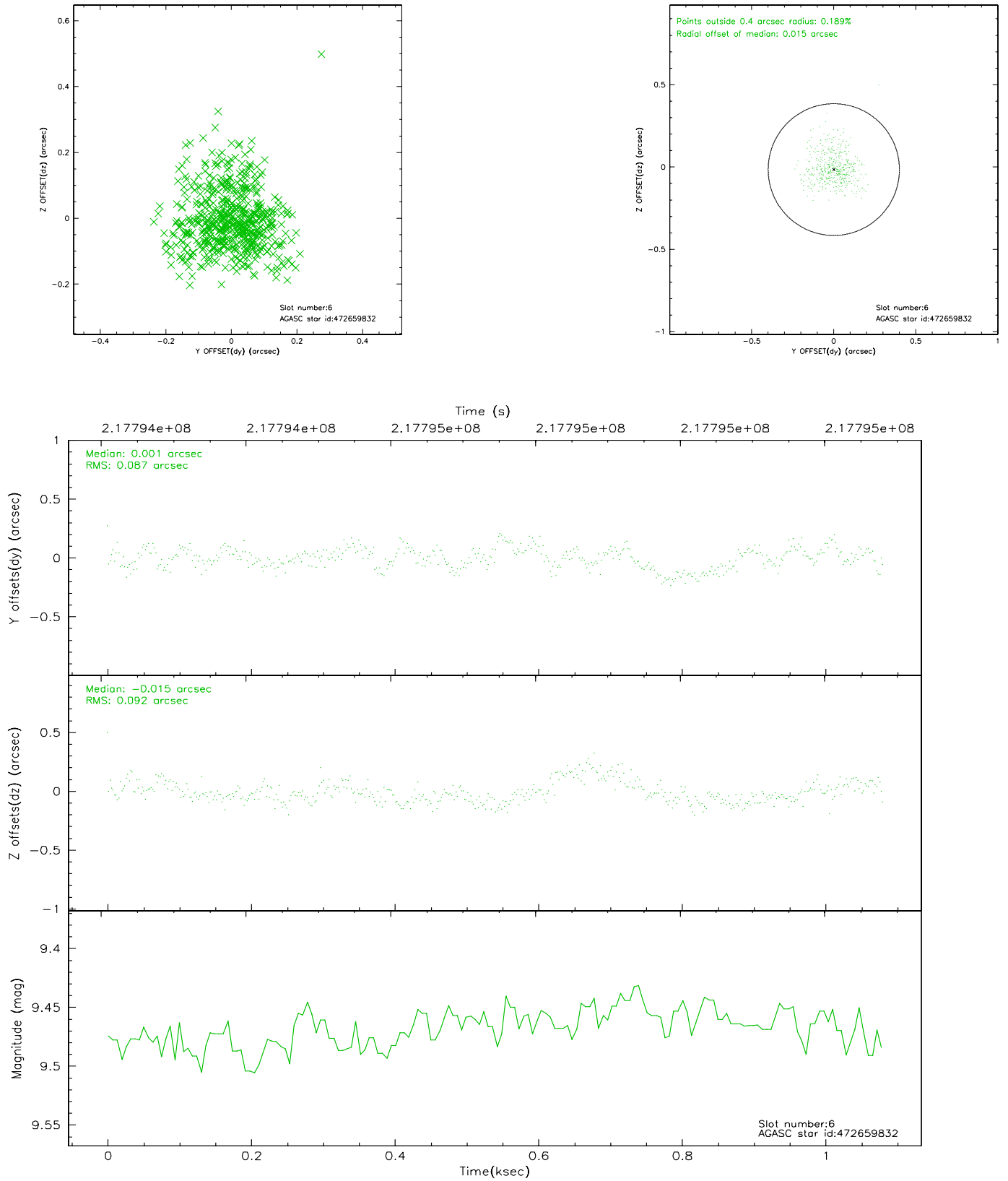
2.4.2 Slot 4



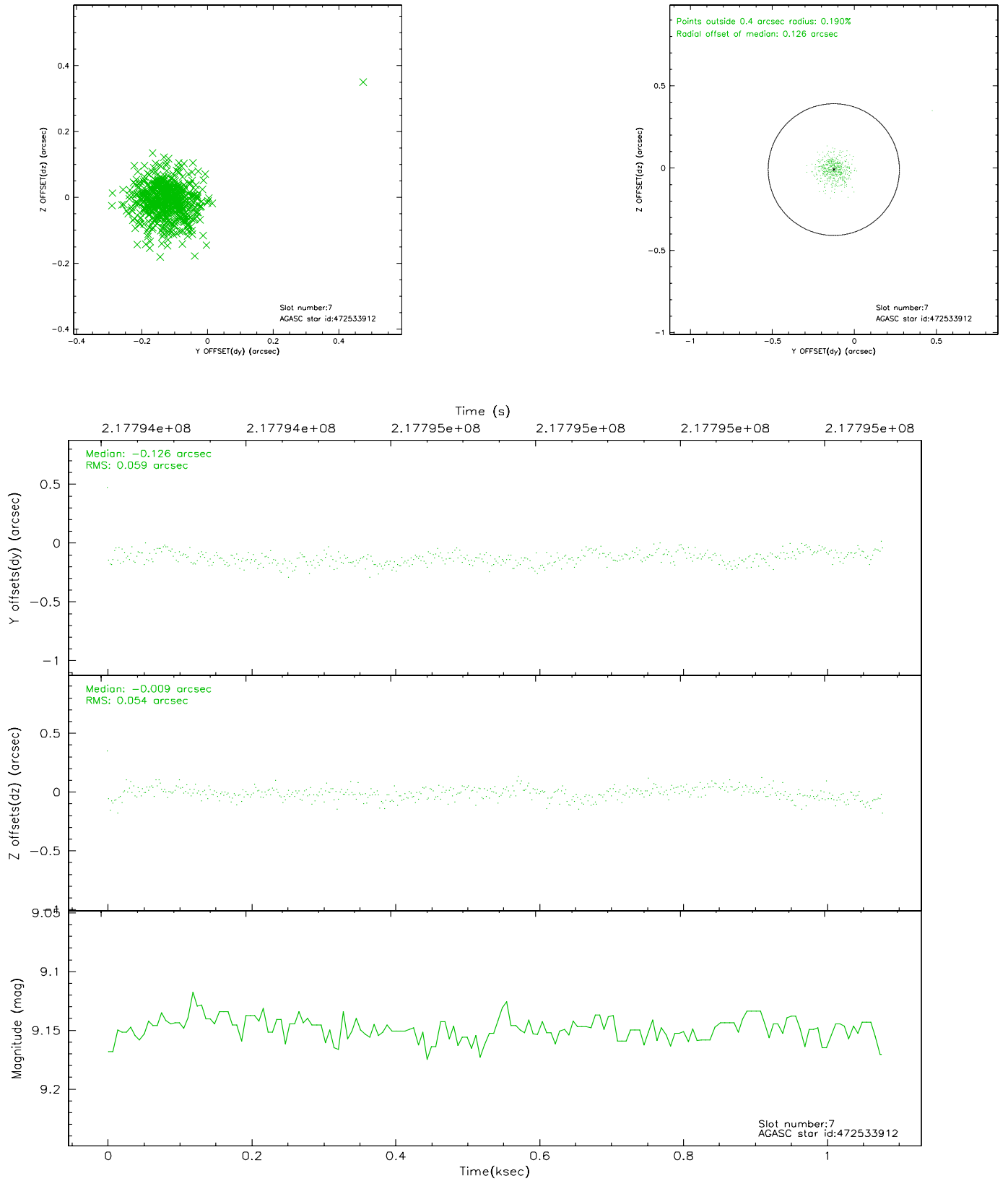
2.4.3 Slot 5



2.4.4 Slot 6

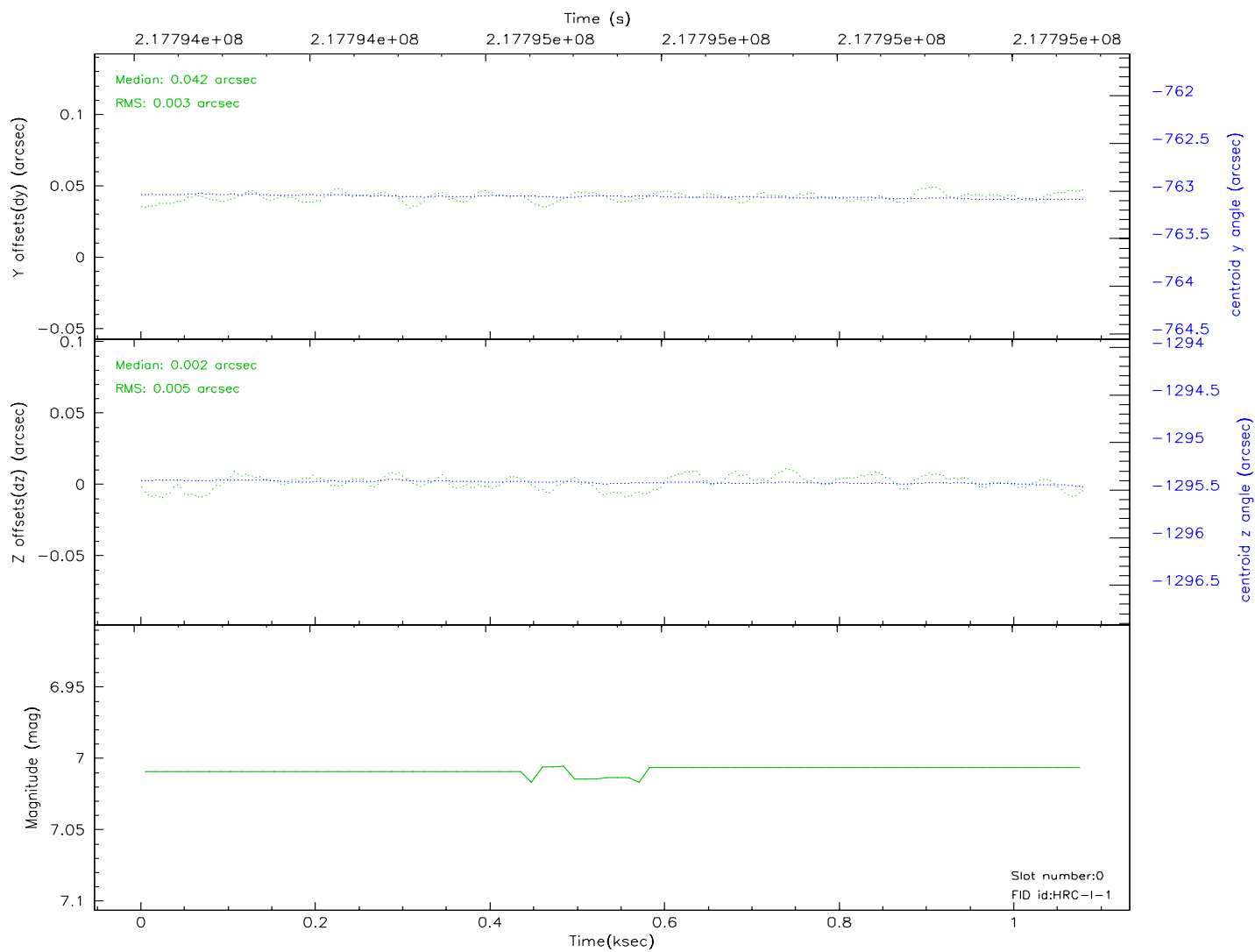
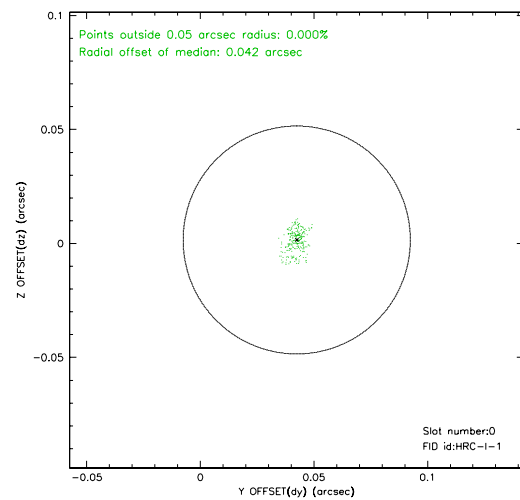
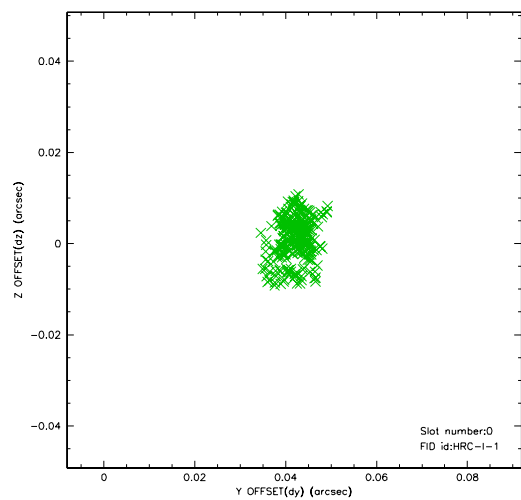


2.4.5 Slot 7

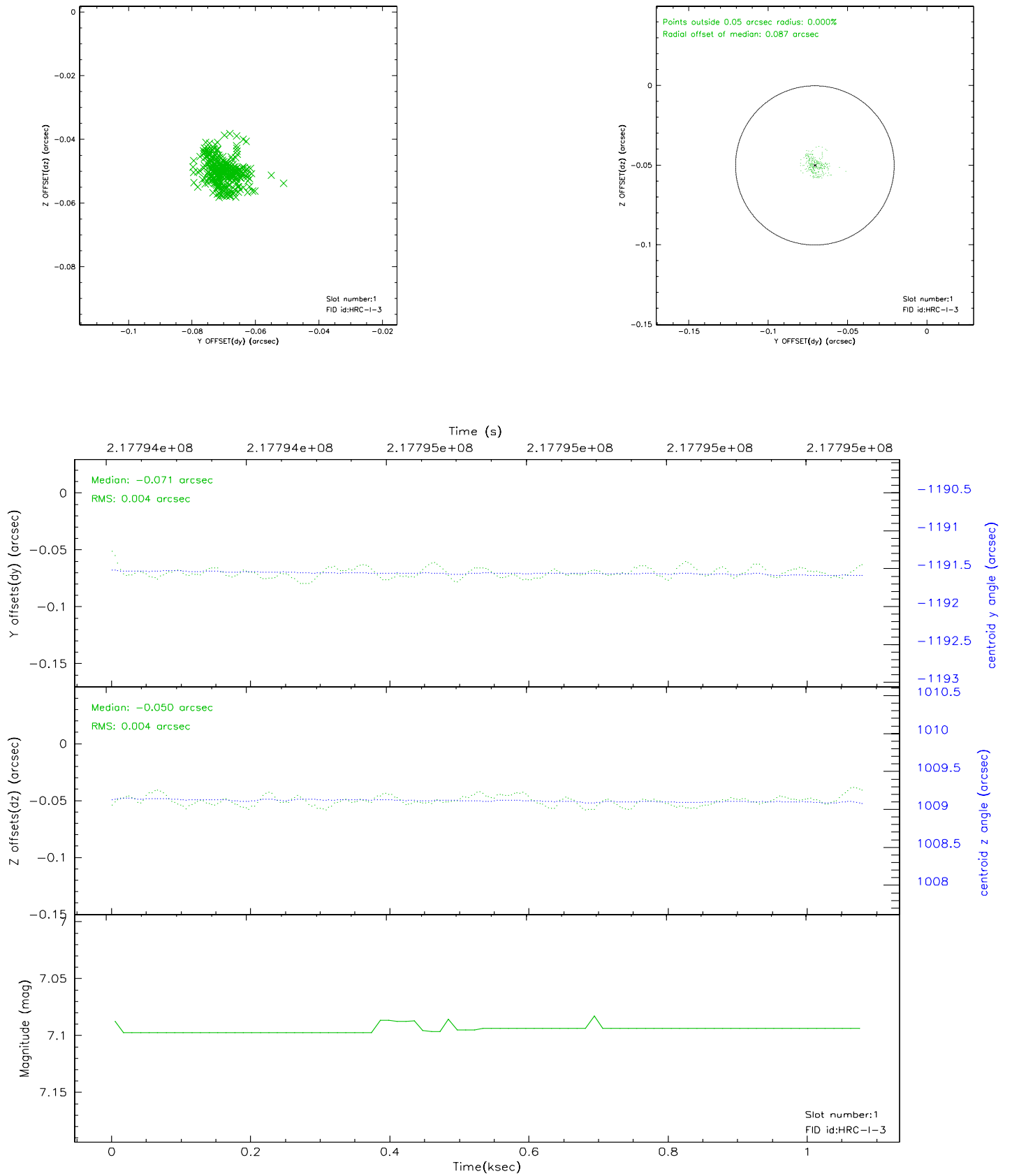


2.5 FID Slots

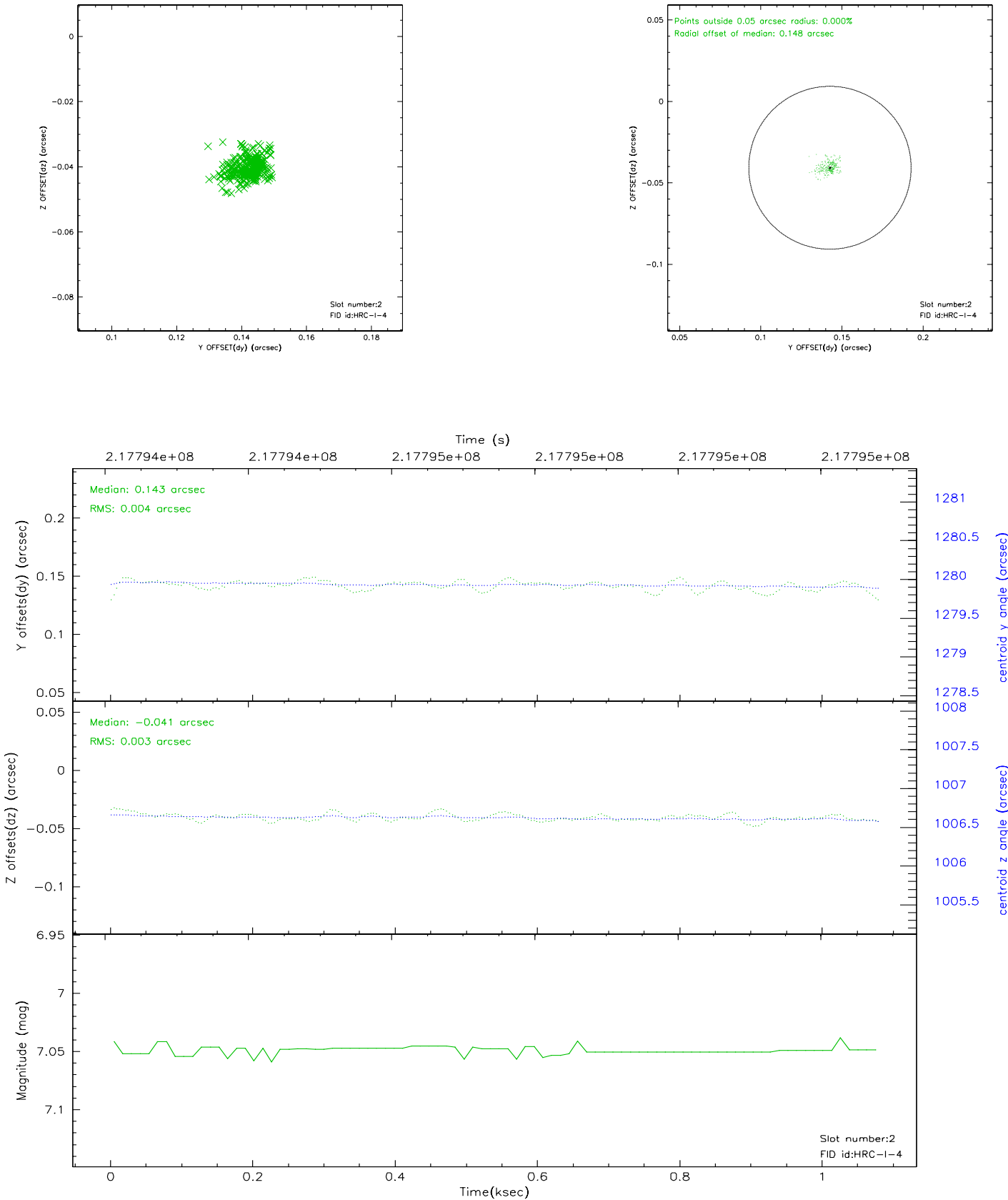
2.5.1 Slot 0



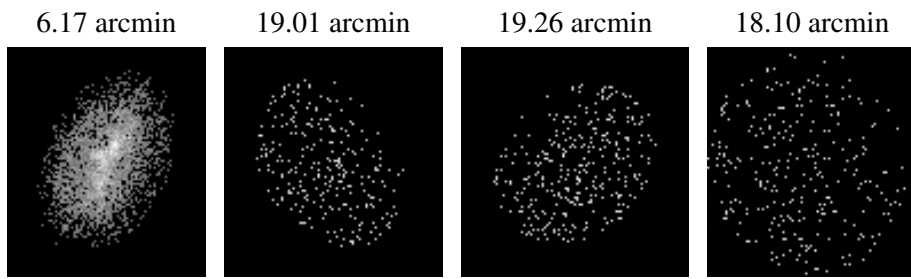
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	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	1.079581

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.