

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5071 - L2 Version 3
Chandra X-Ray Center

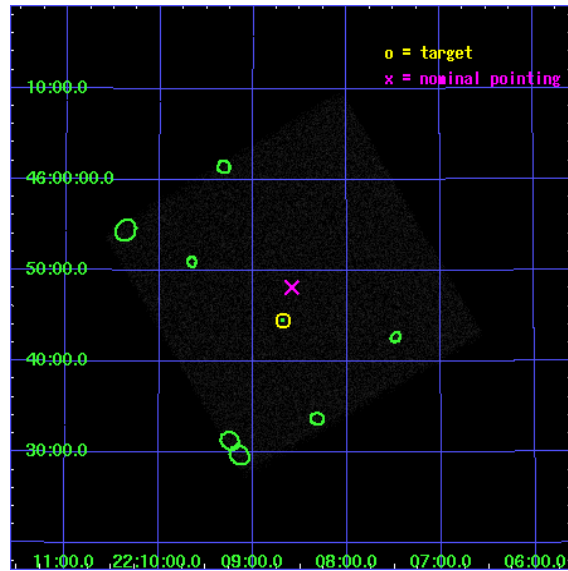
L2 Processing Date : Nov 23 2007

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

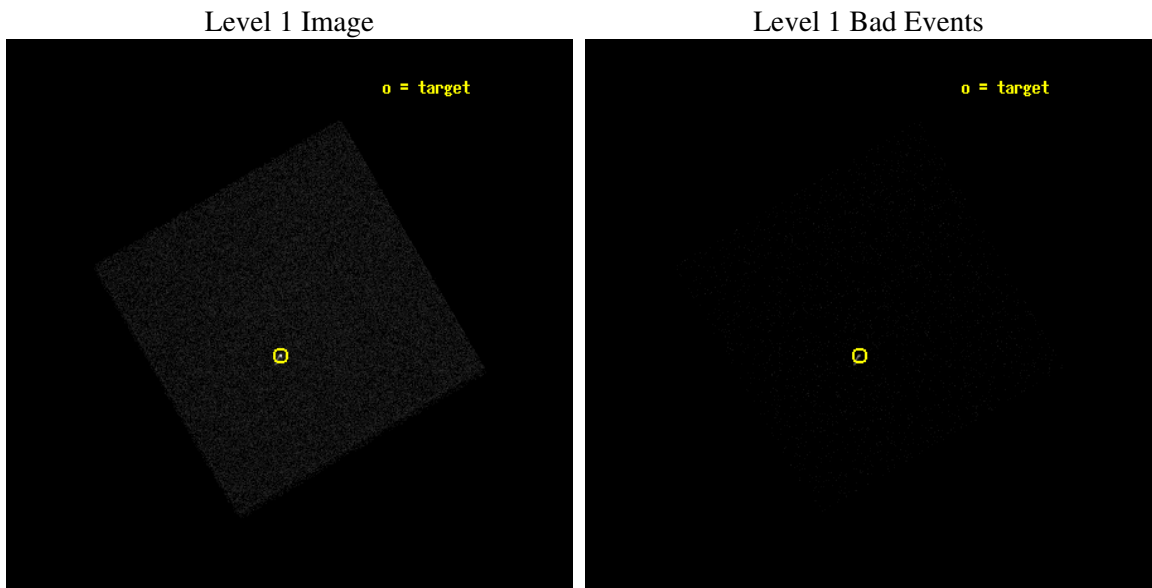
seq_num	290344
obs_id	5071
title	AO5 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.14673467073
dec_nom	45.803021823998
roll_nom	284.54242687283
revision	3
ontime	1083.6812986732
livetime	1074.3314534493
l2events	51146



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	2007-11-24T02:30:35
revision	3

sched_exp_time	900.000000
ontime	1083.6812986732
l1events	103976

2.1.3 Events

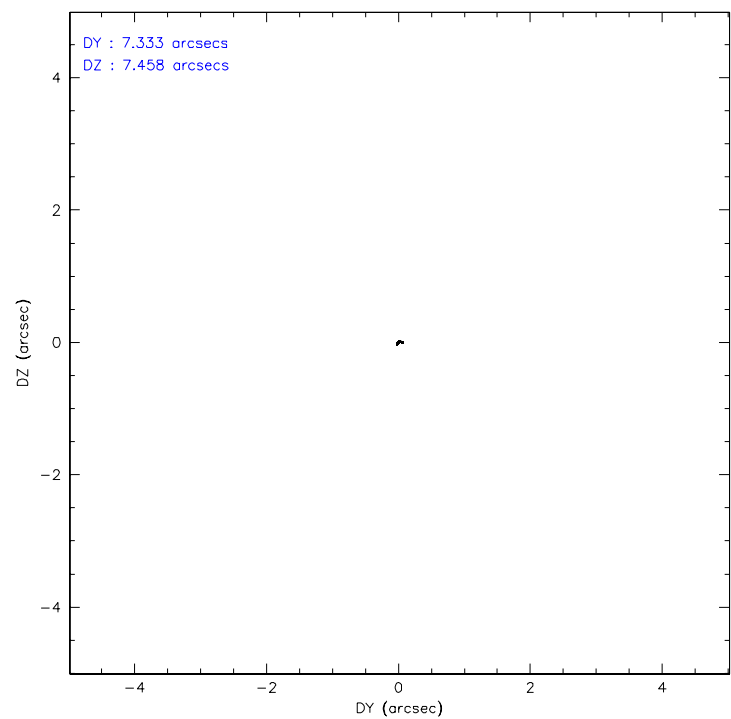
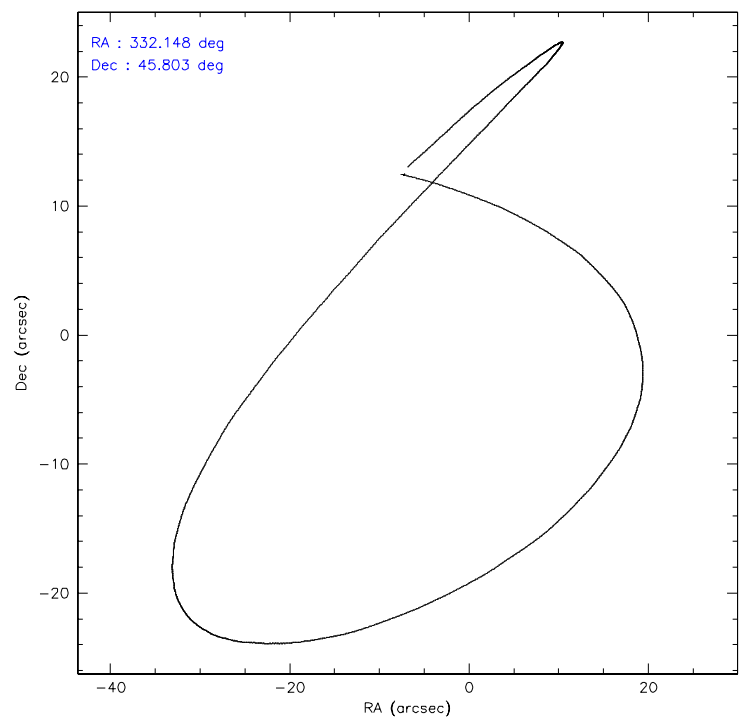
Level 1 Events

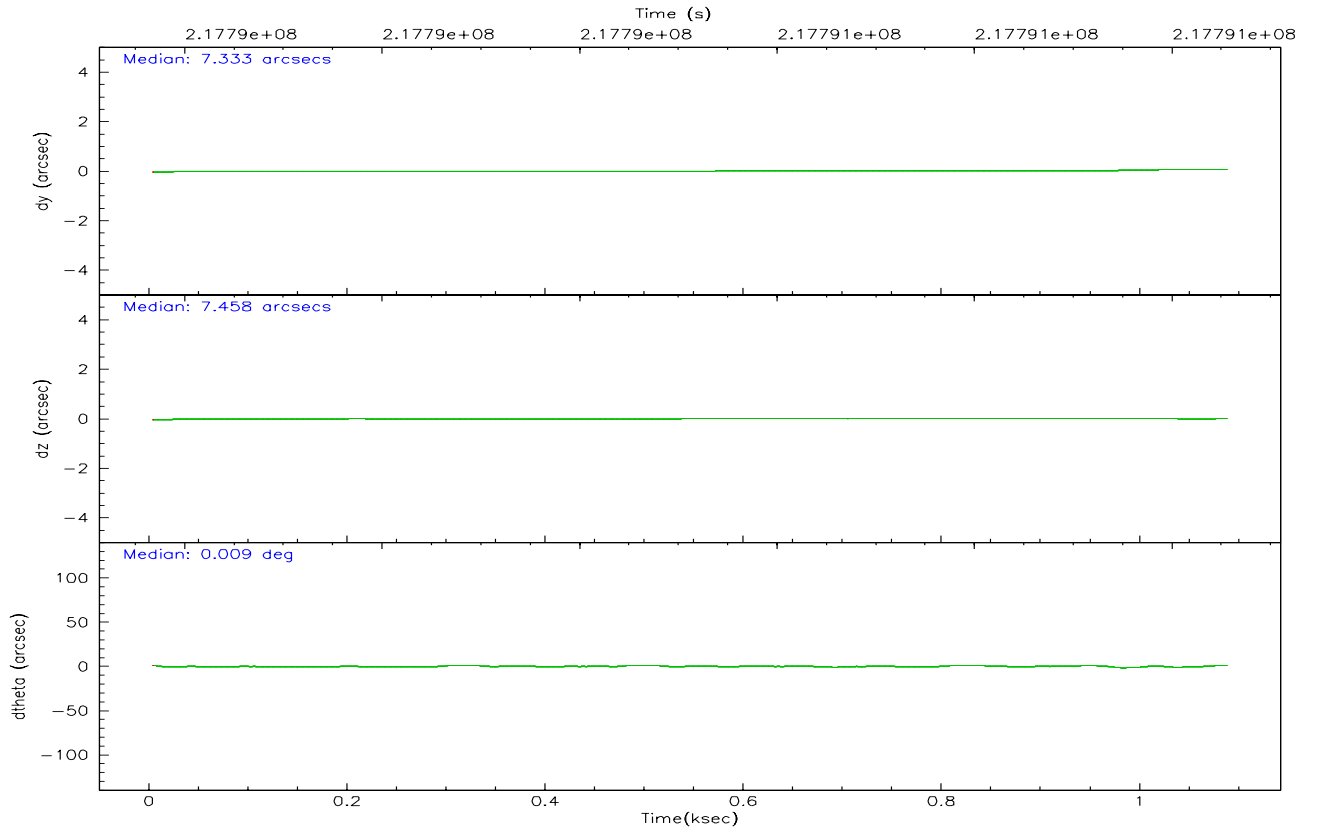
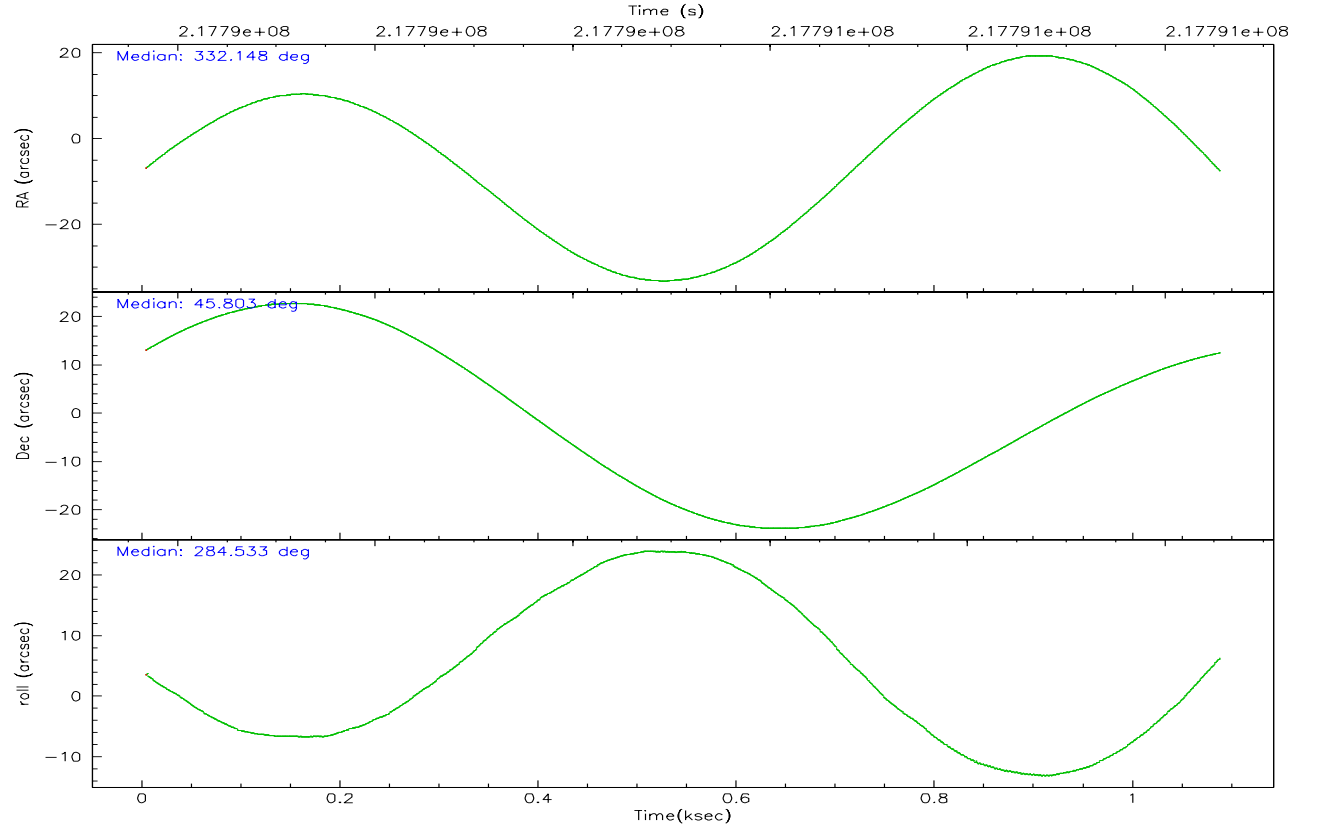
	segment 0
level 1 events	103976
rejected events	31079
rejected %	29%

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	332.117098	332.1467346707268			
Pointing Dec	45.821550	45.80302182399793			
Pointing Roll	284.659172	284.5424268728337			
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	217790157.184000	217789781.0834			
Observation start date	2004-11-25T17:14:53	2004-11-25T17:09:41			
Observation end time	217791057.184000	217791191.48347			
Observation end date	2004-11-25T17:29:53	2004-11-25T17:33:11			

2.3 Aspect



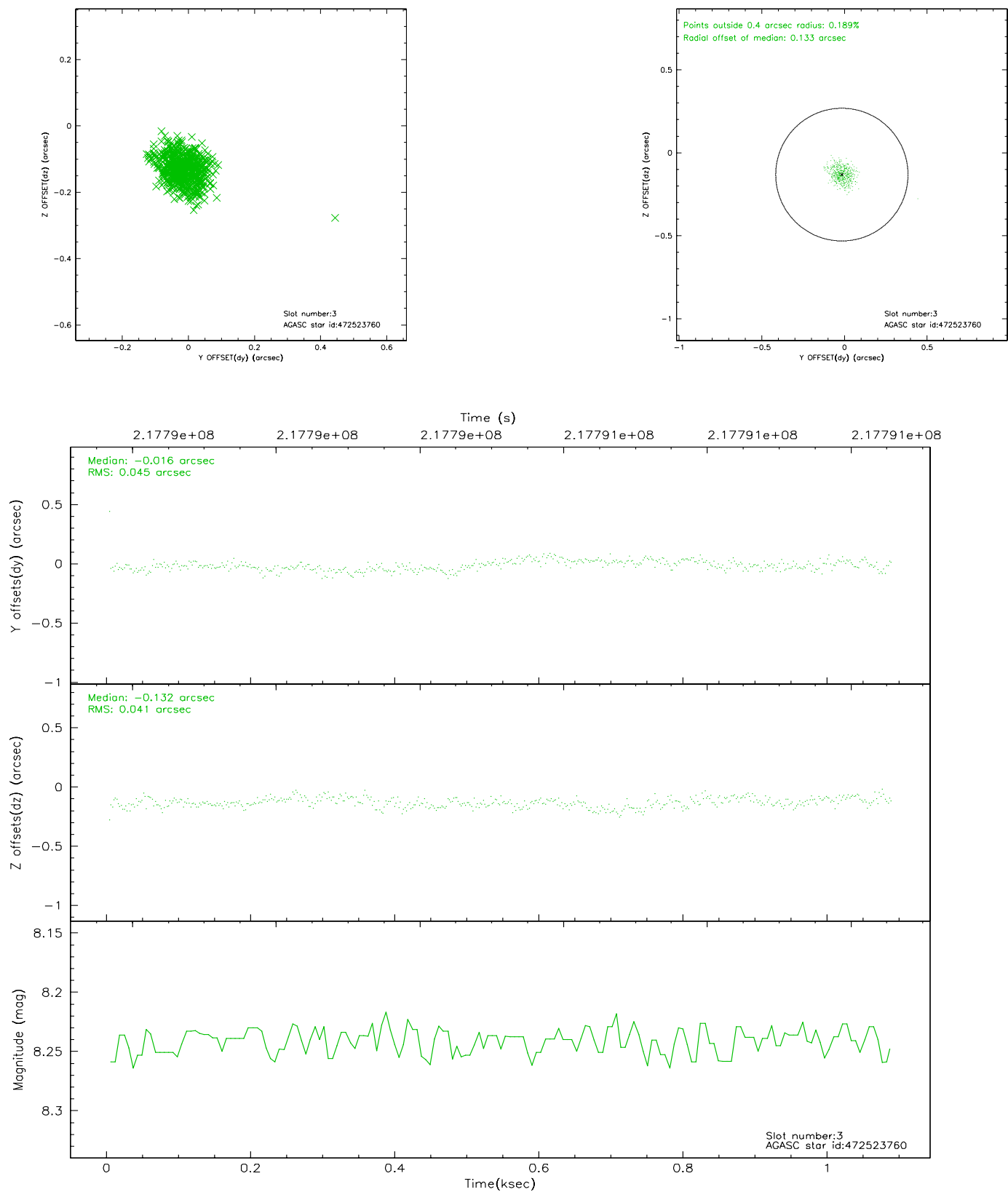


Slot Statistics

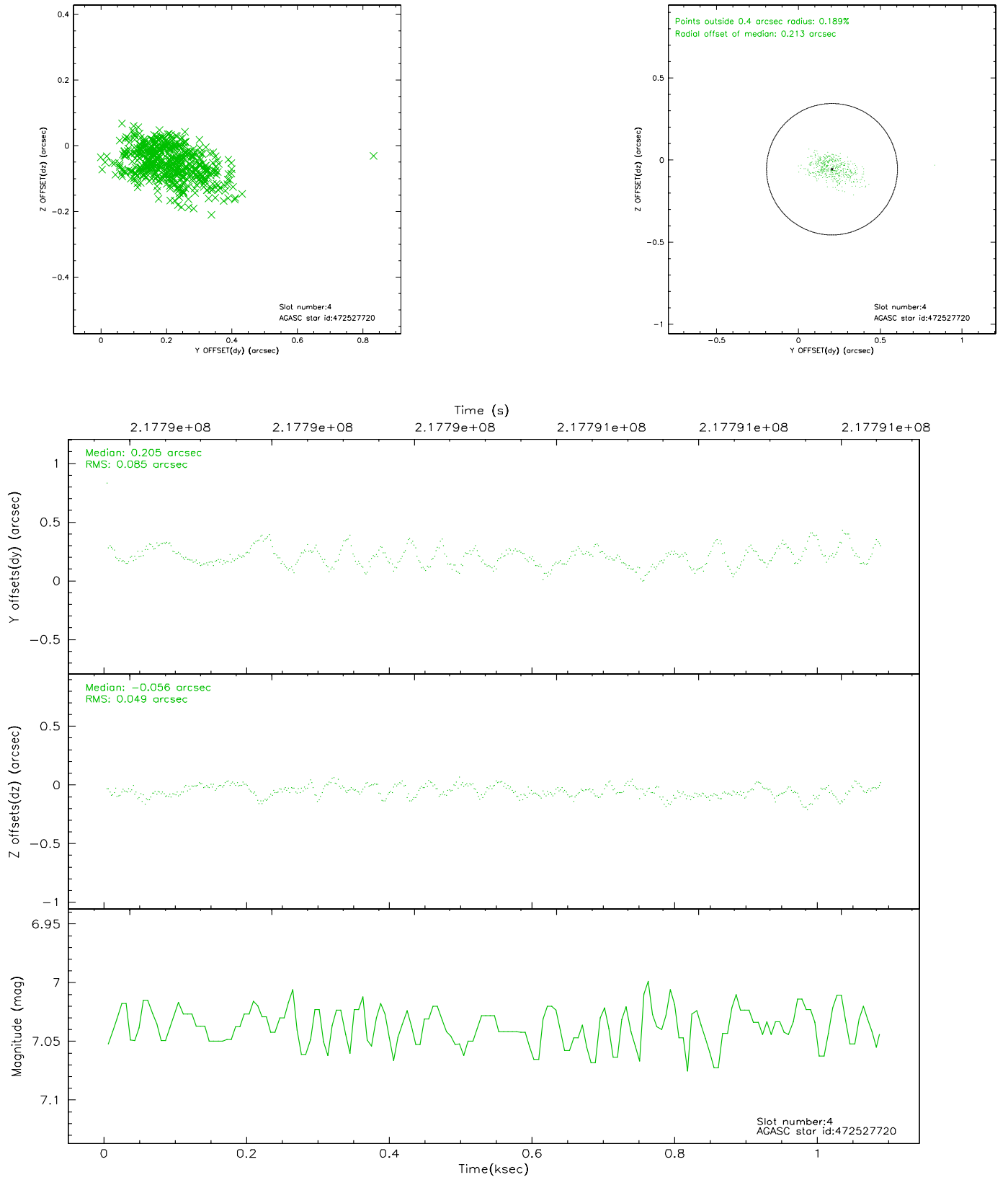
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.02	265	0.008	0.027	0.007	0.012	0.000000	0.000000	-762.94	-1295.34
1	FID	HRC-I-2	7.05	265	0.132	-0.111	0.006	0.010	0.000000	0.000000	846.94	-1301.95
2	FID	HRC-I-3	7.09	265	-0.021	-0.005	0.006	0.010	0.000000	0.000000	-1188.23	1004.29
3	GUIDE	472523760	8.24	530	-0.016	-0.132	0.062	0.098	331.645363	45.403260	1152.24	-1538.10
4	GUIDE	472527720	7.04	530	0.205	-0.056	0.097	0.171	331.460205	45.112509	2043.61	-2265.88
5	GUIDE	472533912	9.16	530	-0.103	0.119	0.088	0.142	331.791136	46.368695	-2108.02	-293.27
6	GUIDE	472655152	9.43	530	-0.070	0.049	0.096	0.156	332.504239	45.862991	95.18	972.50
7	GUIDE	472659832	9.48	528	-0.022	0.018	0.102	0.167	332.780399	46.098139	-550.80	1853.10

2.4 Star Slots

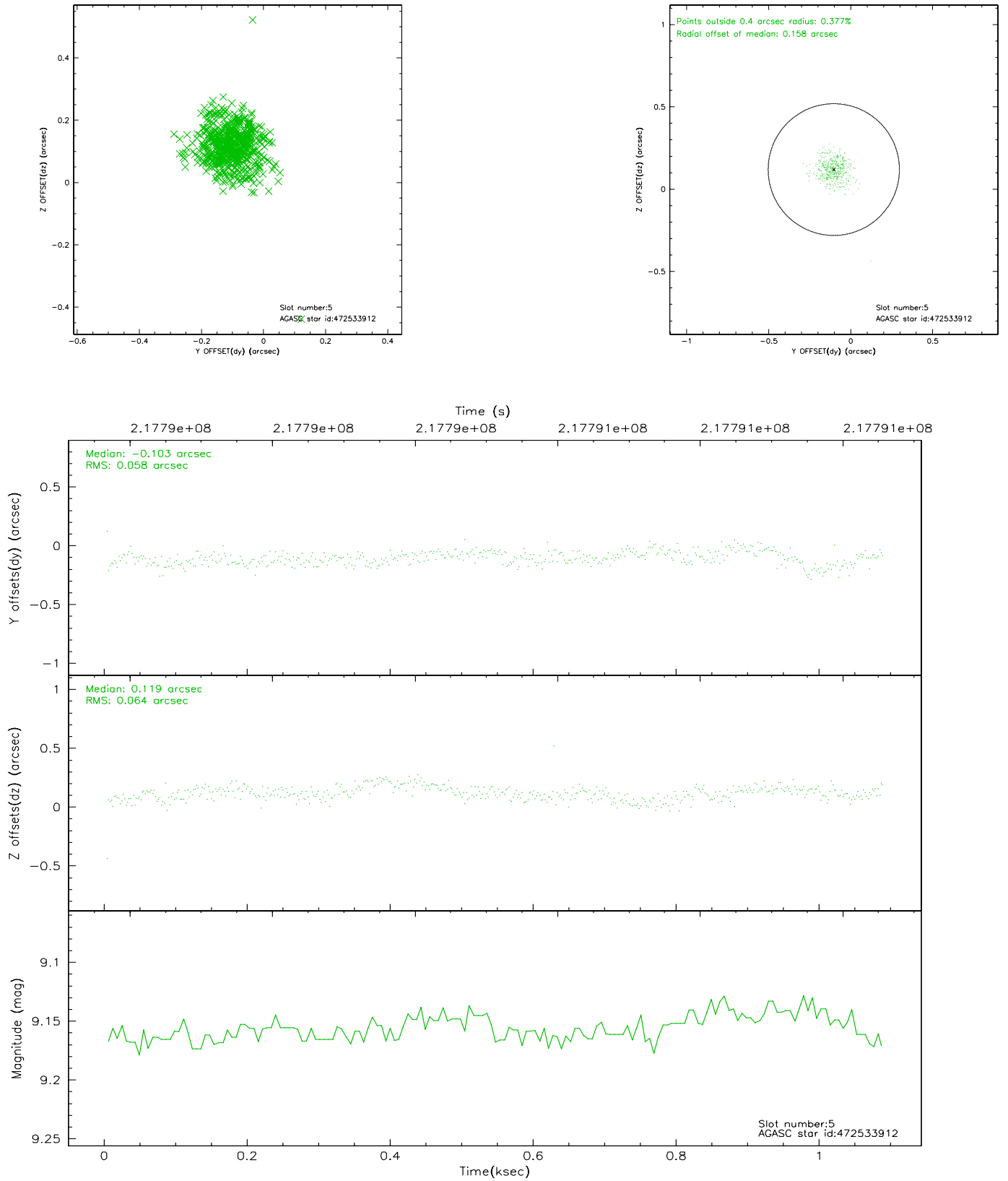
2.4.1 Slot 3



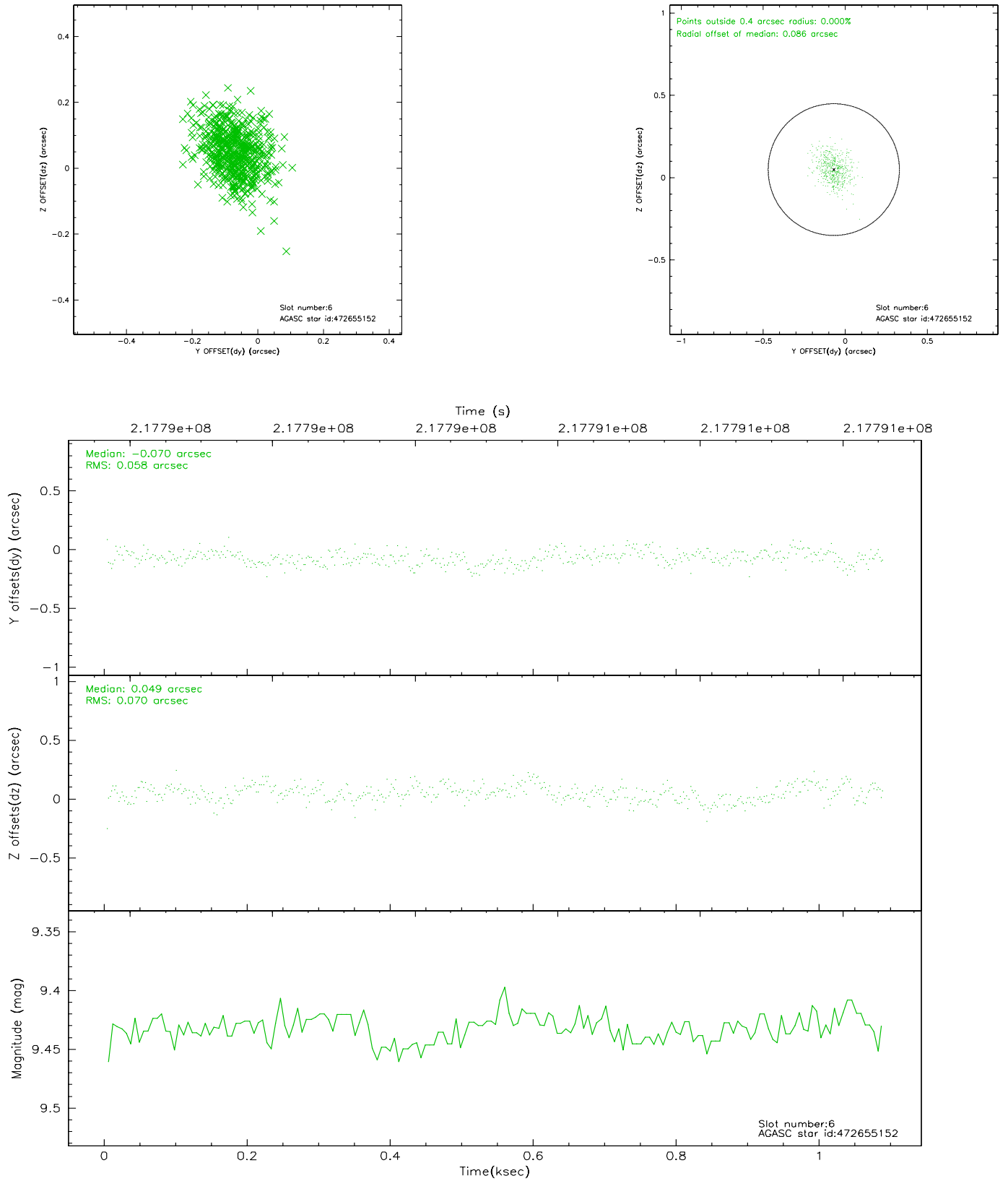
2.4.2 Slot 4



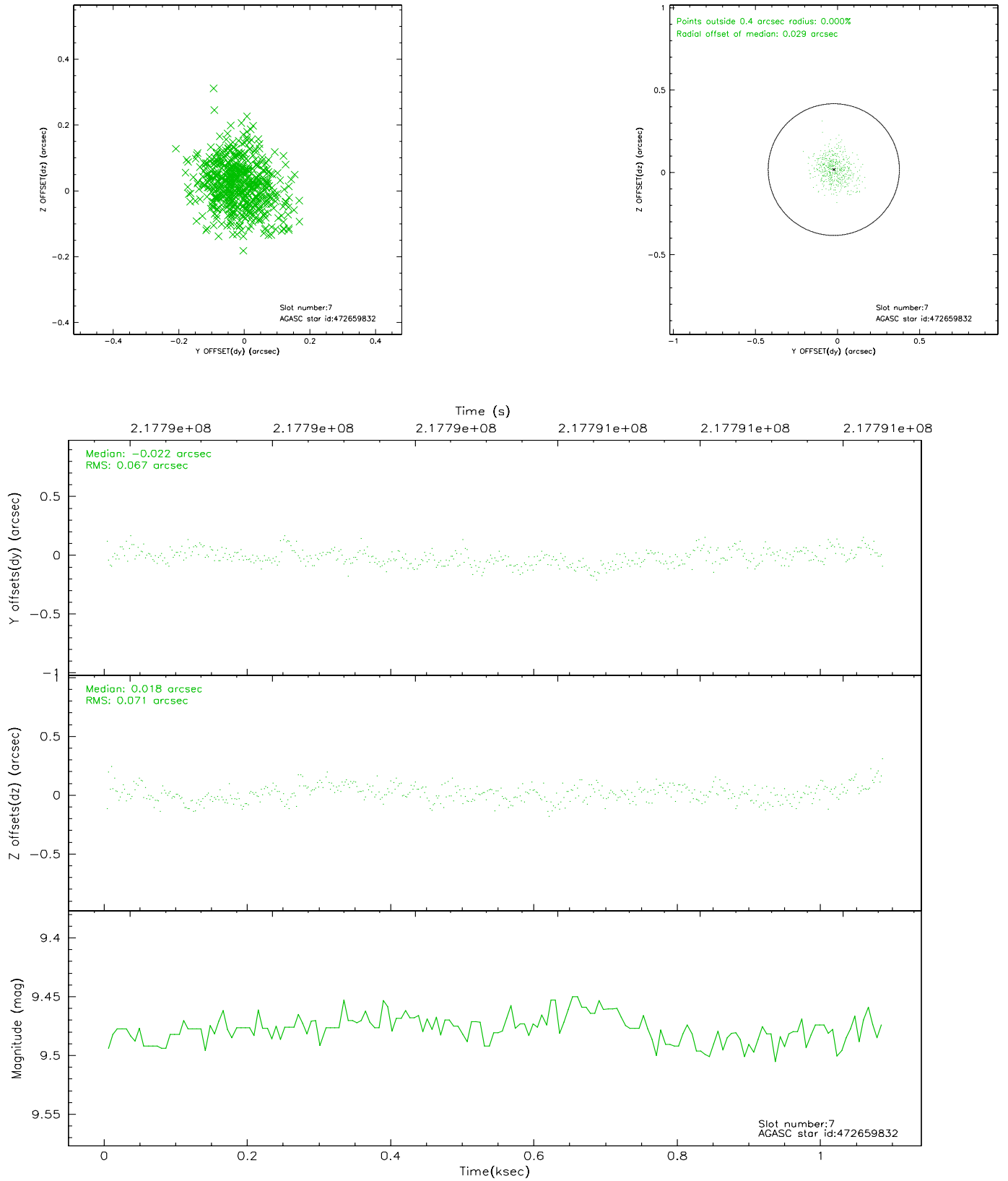
2.4.3 Slot 5



2.4.4 Slot 6

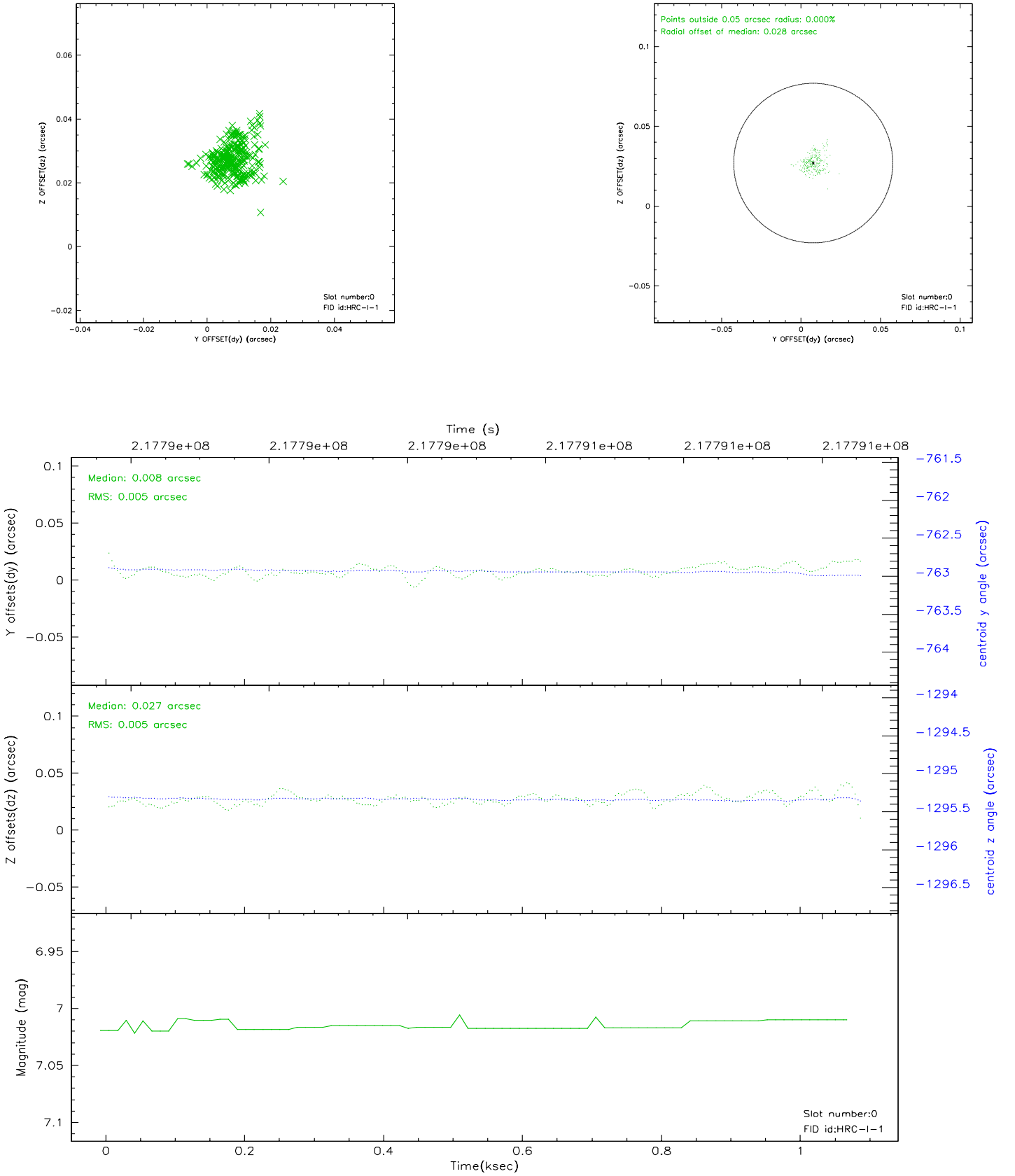


2.4.5 Slot 7

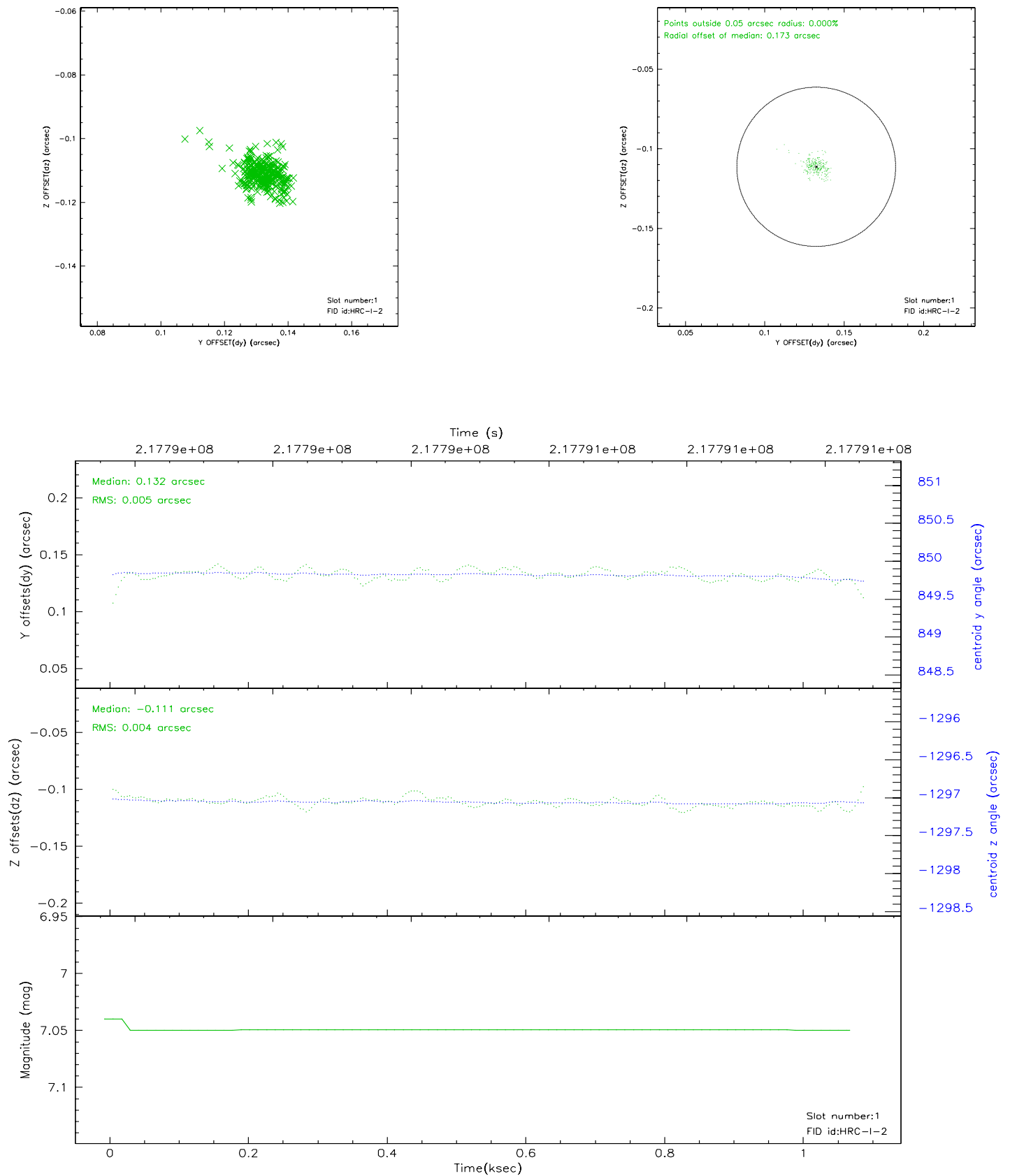


2.5 FID Slots

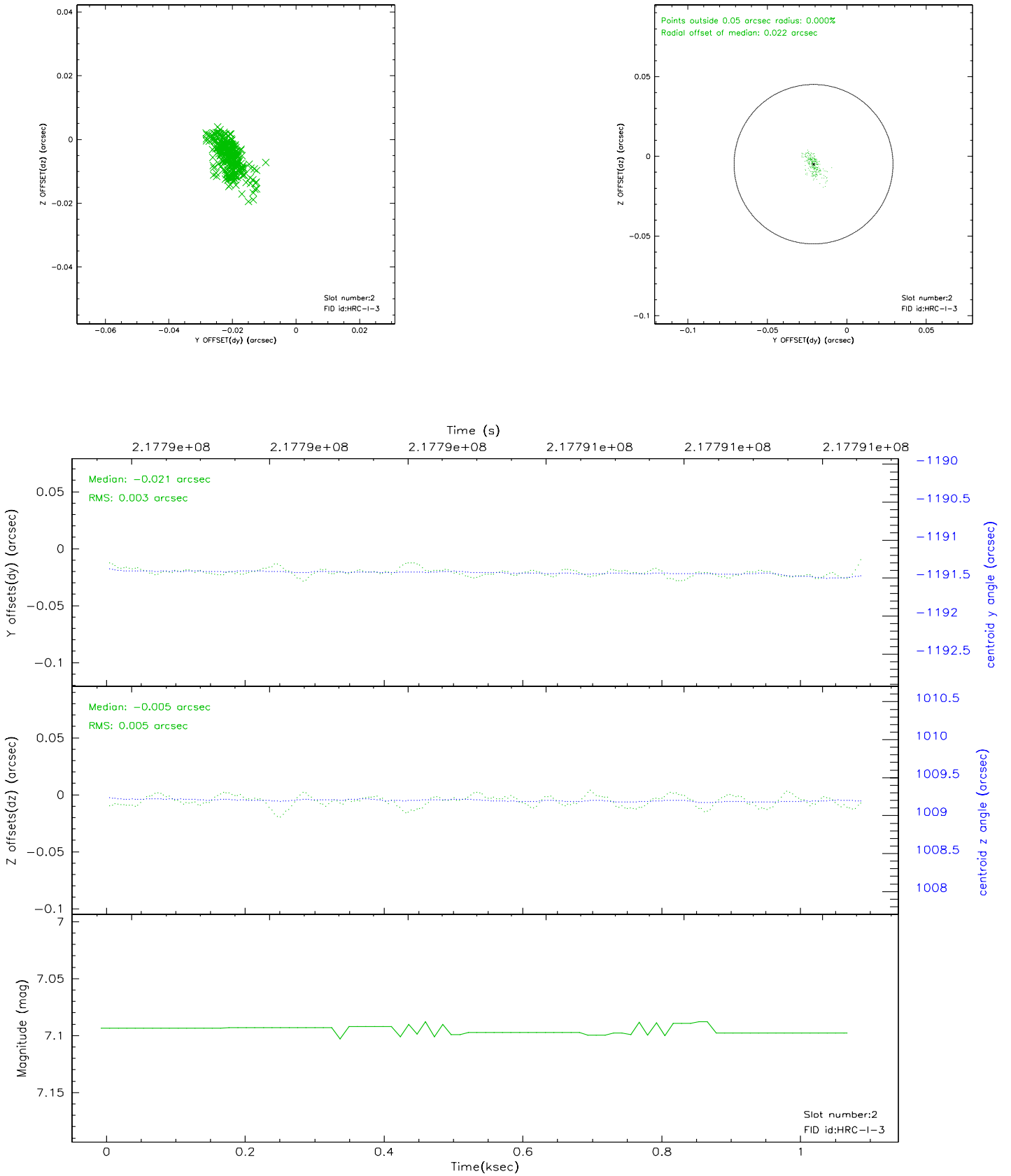
2.5.1 Slot 0



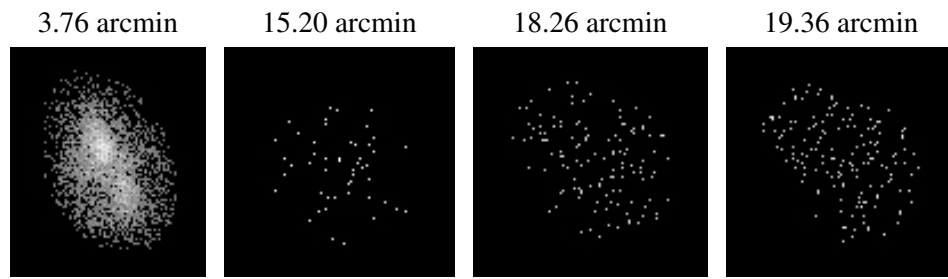
2.5.2 Slot 1



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	1.083681

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.