

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5065 - L2 Version 3
Chandra X-Ray Center

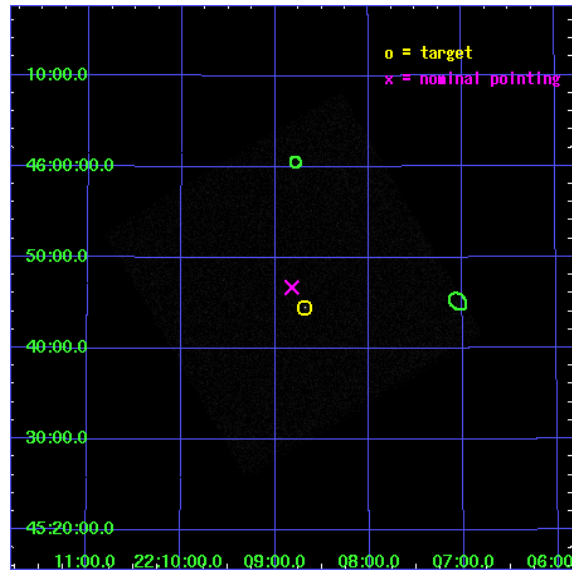
L2 Processing Date : Nov 23 2007

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

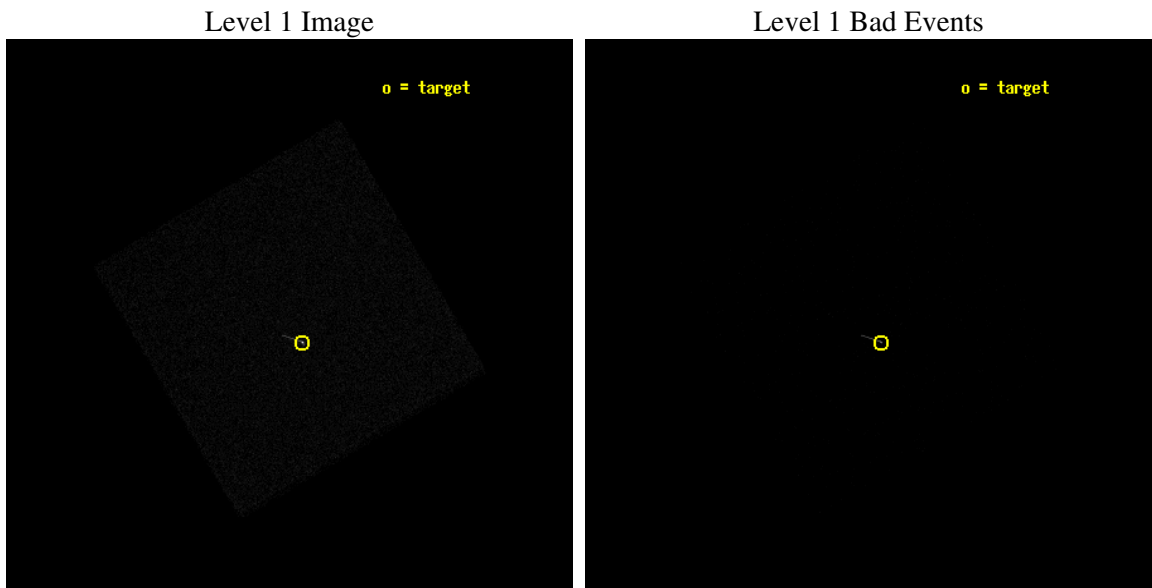
seq_num	290338
obs_id	5065
title	AO5 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.20511513647
dec_nom	45.779166125921
roll_nom	284.42112183354
revision	3
ontime	1089.8312989473
livetime	1082.0519365923
l2events	43334



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

sched_exp_time	900.000000
ontime	1089.8312989473
l1events	81641

2.1.3 Events

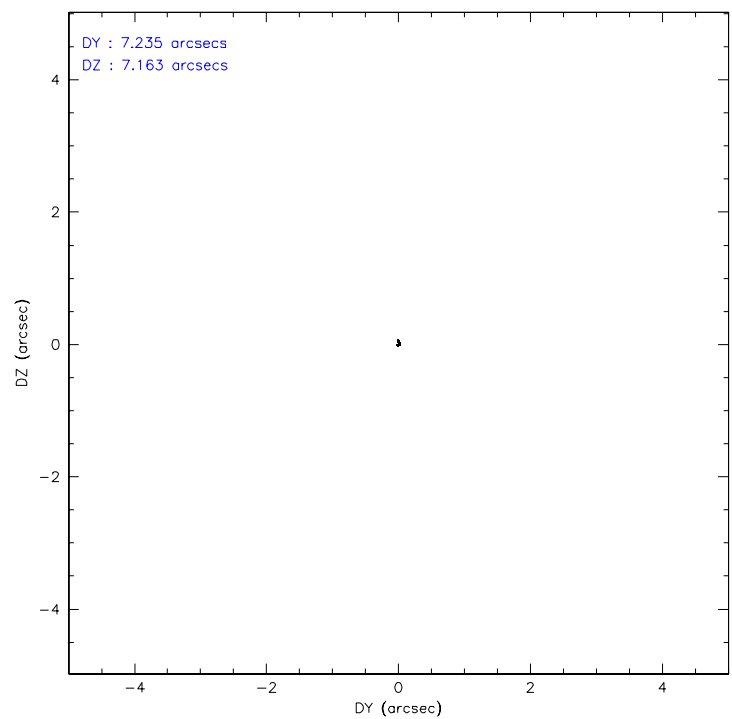
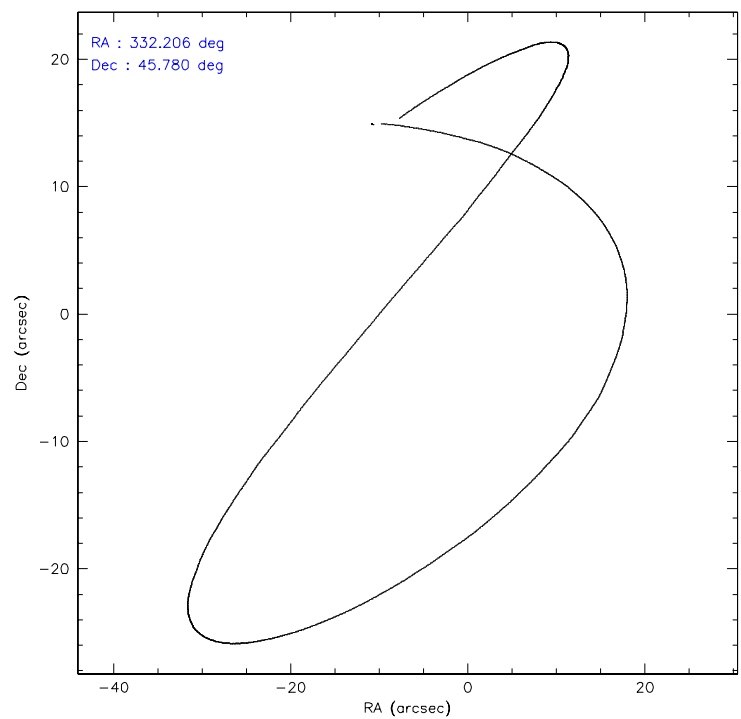
Level 1 Events

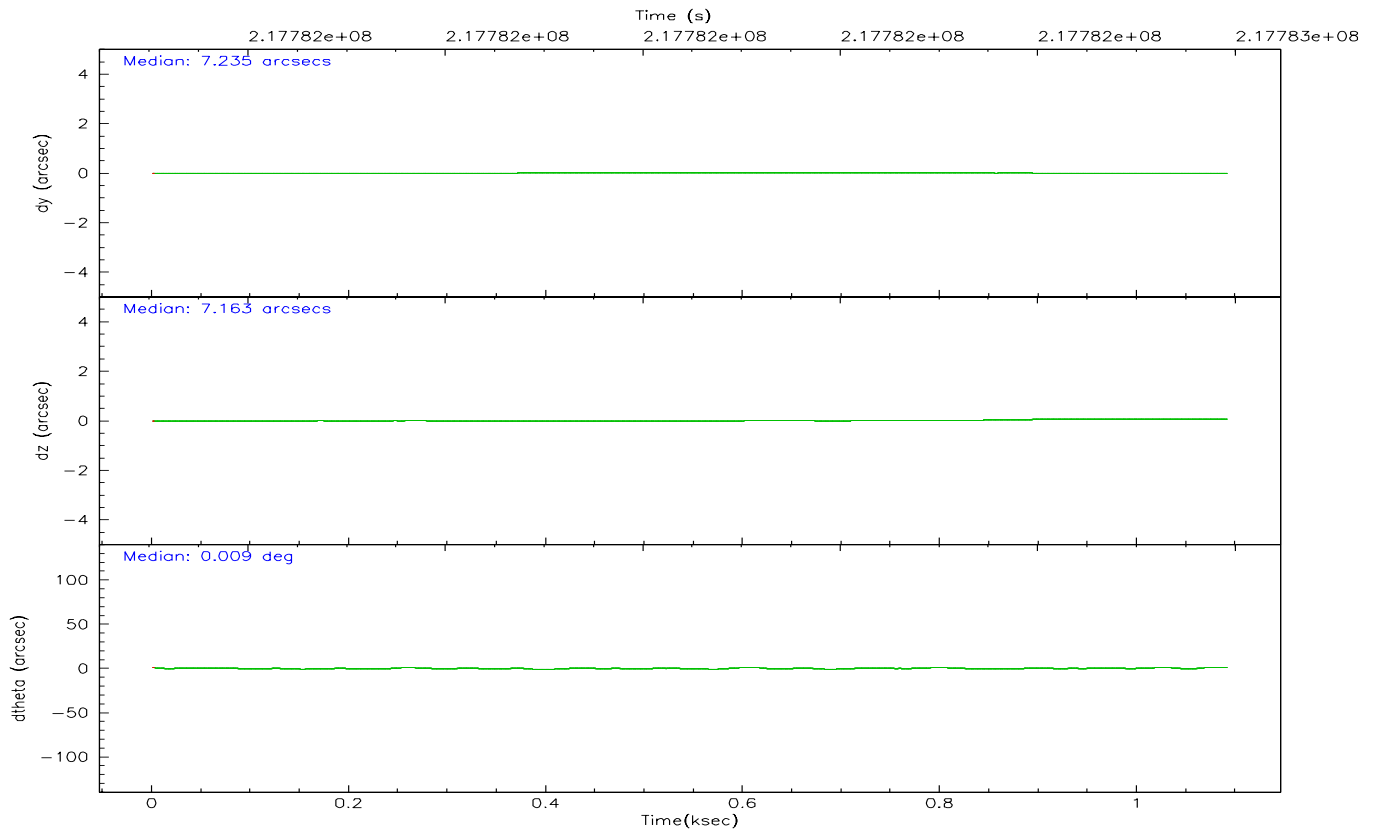
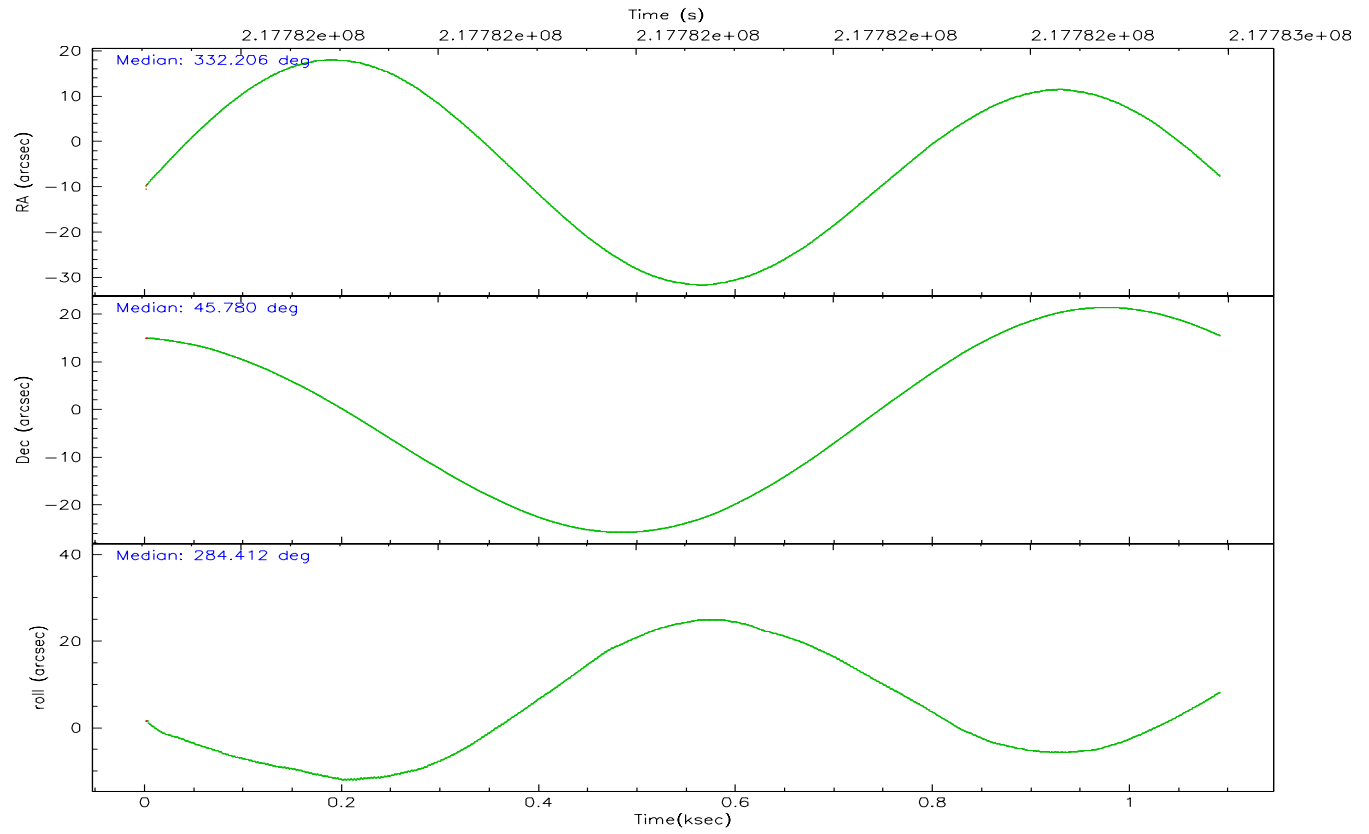
	segment 0
level 1 events	81641
rejected events	18697
rejected %	22%

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	332.175554	332.2051151364728			
Pointing Dec	45.797718	45.77916612592075			
Pointing Roll	284.537824	284.4211218335422			
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	217781697.184000	217781320.73302			
Observation start date	2004-11-25T14:53:53	2004-11-25T14:48:40			
Observation end time	217782597.184000	217782731.13309			
Observation end date	2004-11-25T15:08:53	2004-11-25T15:12:11			

2.3 Aspect



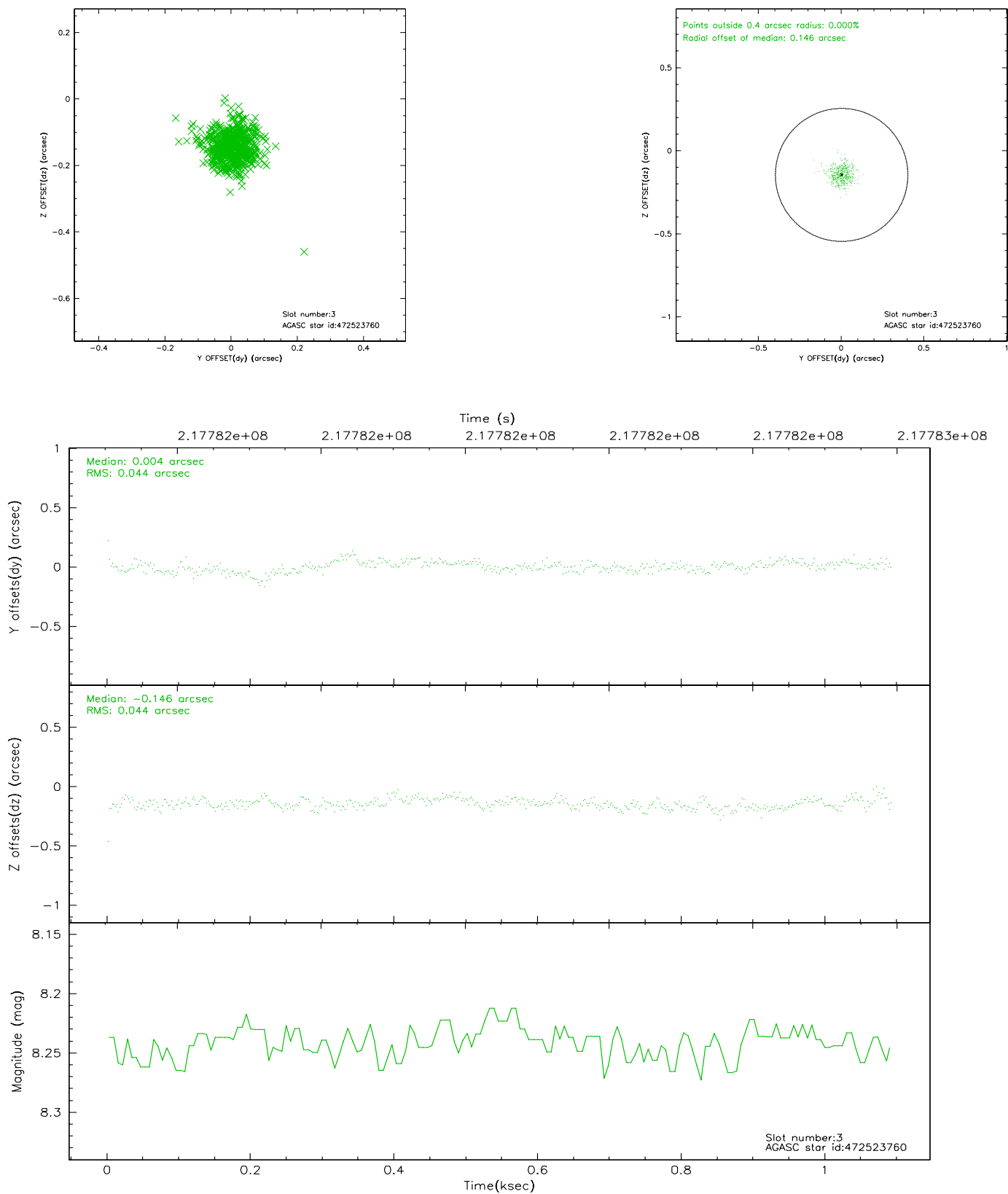


Slot Statistics

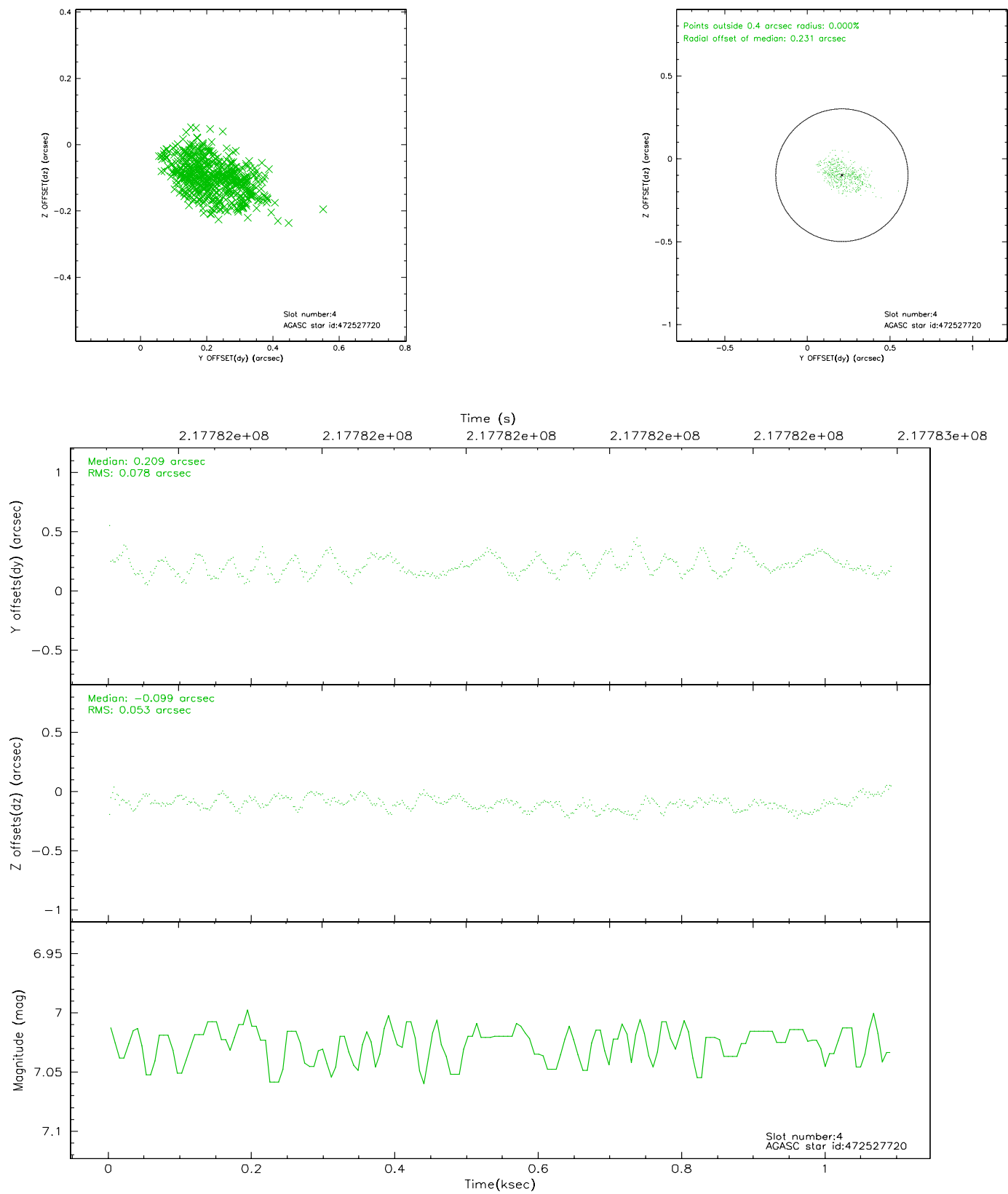
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.01	267	0.008	0.011	0.007	0.010	0.000000	0.000000	-762.82	-1295.07
1	FID	HRC-I-2	7.05	267	0.121	-0.095	0.005	0.009	0.000000	0.000000	847.06	-1301.59
2	FID	HRC-I-3	7.10	267	-0.009	-0.006	0.005	0.009	0.000000	0.000000	-1188.15	1004.61
3	GUIDE	472523760	8.24	533	0.004	-0.146	0.063	0.102	331.645363	45.403260	1034.52	-1656.75
4	GUIDE	472527720	7.02	533	0.209	-0.099	0.102	0.159	331.460205	45.112509	1926.66	-2383.53
5	GUIDE	472533912	9.15	532	-0.095	0.112	0.090	0.152	331.791136	46.368695	-2227.72	-416.69
6	GUIDE	472659832	9.46	532	0.036	0.059	0.098	0.157	332.780399	46.098139	-677.53	1729.52
7	GUIDE	472659736	9.39	532	-0.172	0.077	0.117	0.209	332.848312	46.590160	-2352.05	2327.92

2.4 Star Slots

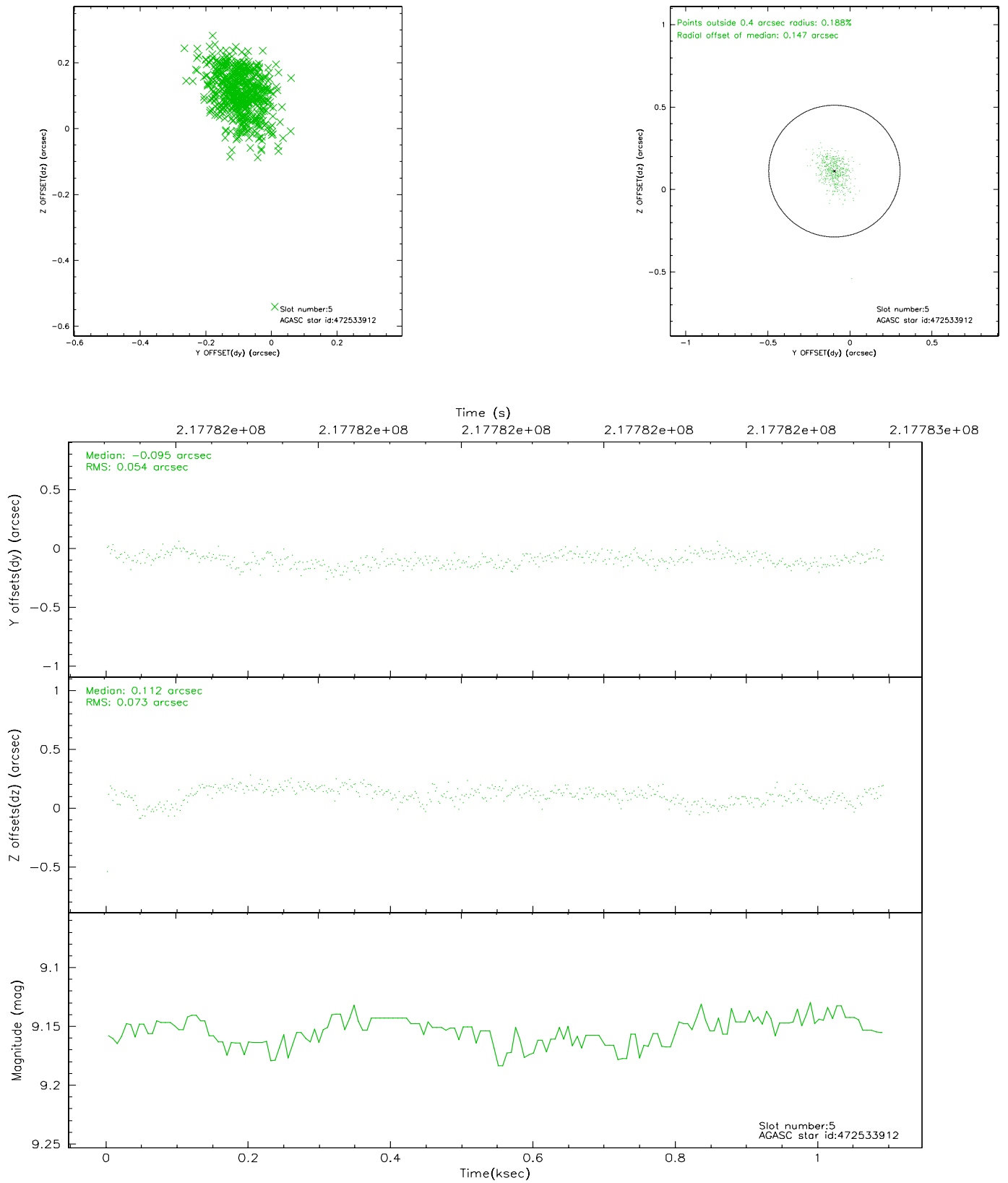
2.4.1 Slot 3



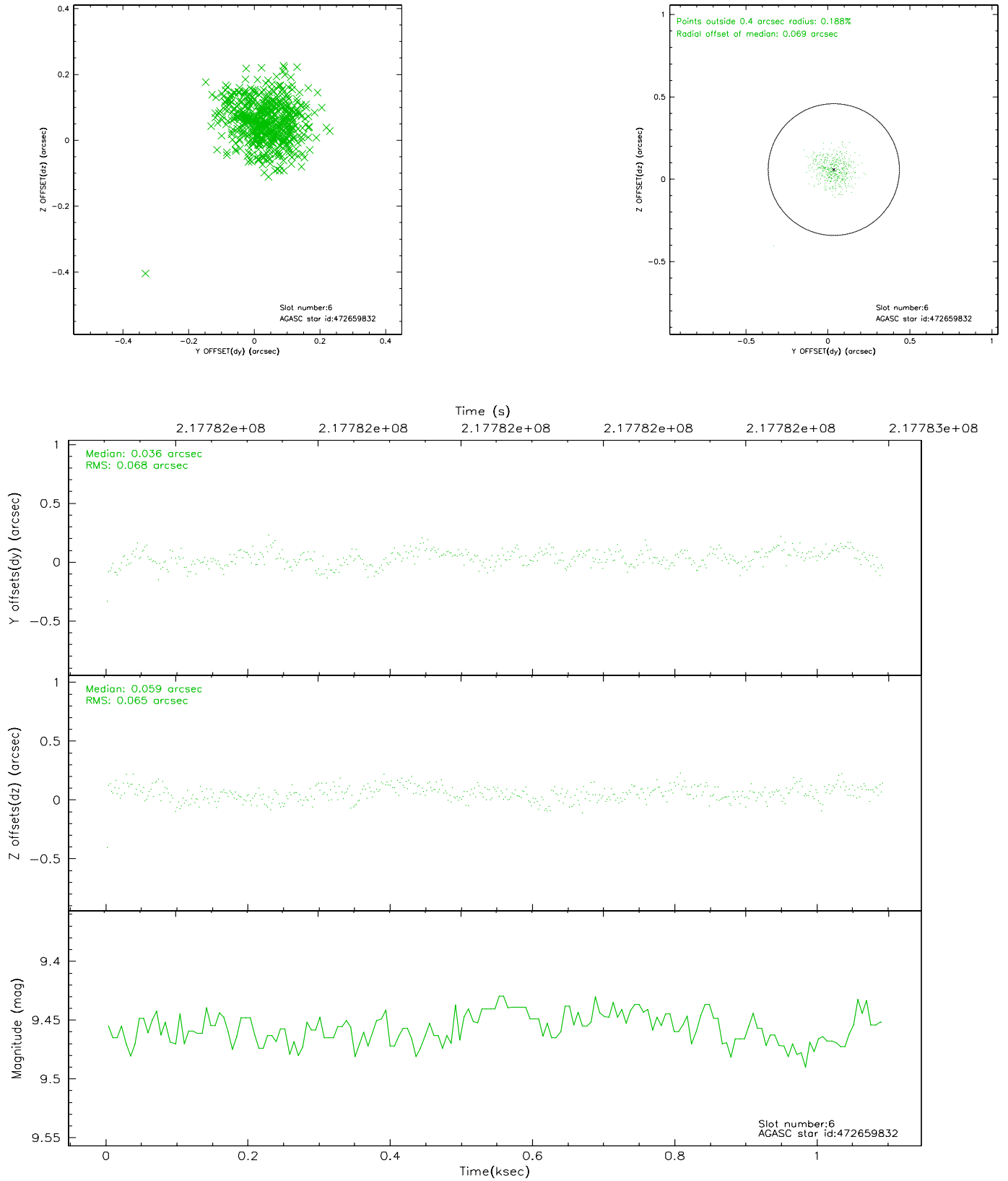
2.4.2 Slot 4



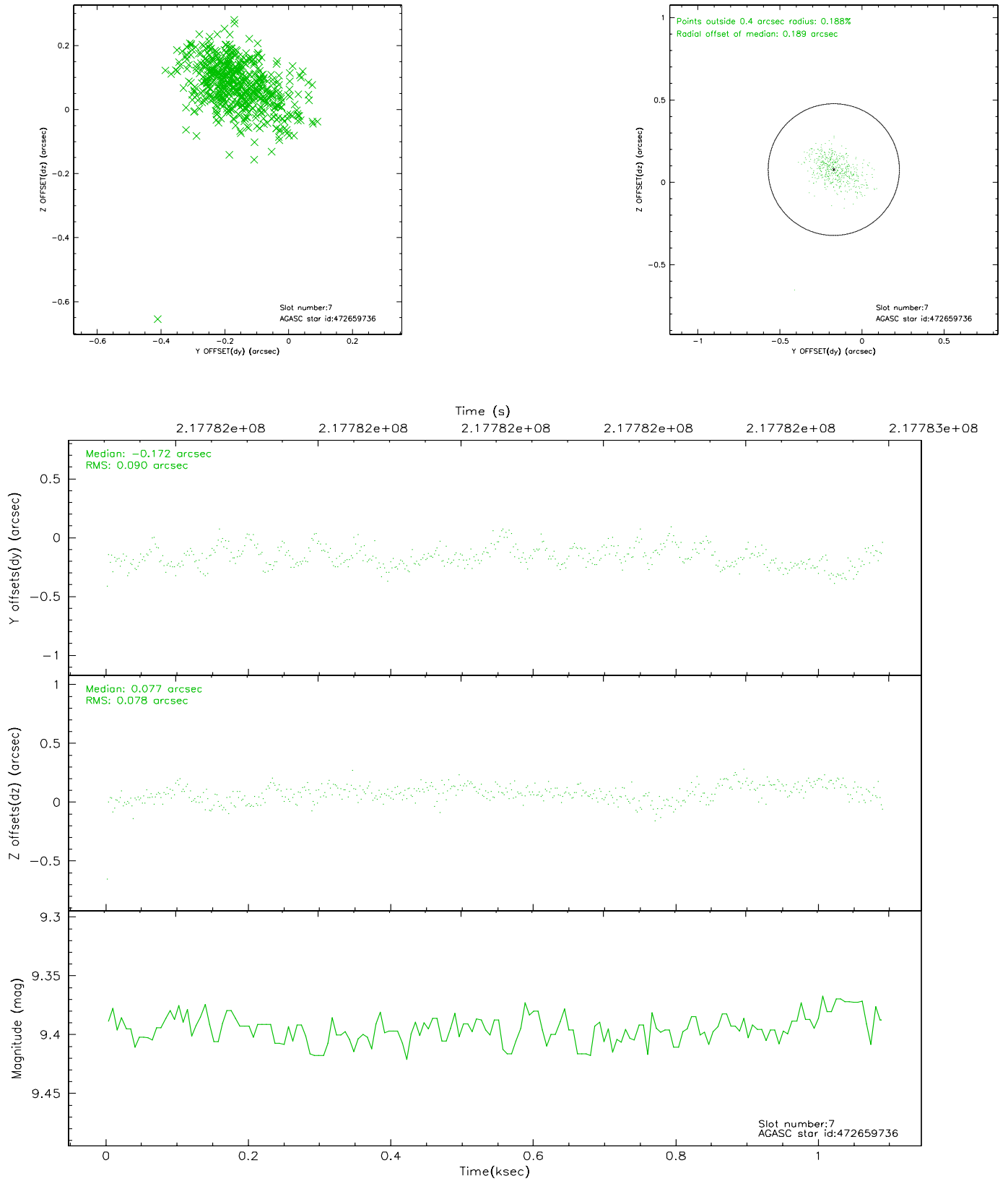
2.4.3 Slot 5



2.4.4 Slot 6

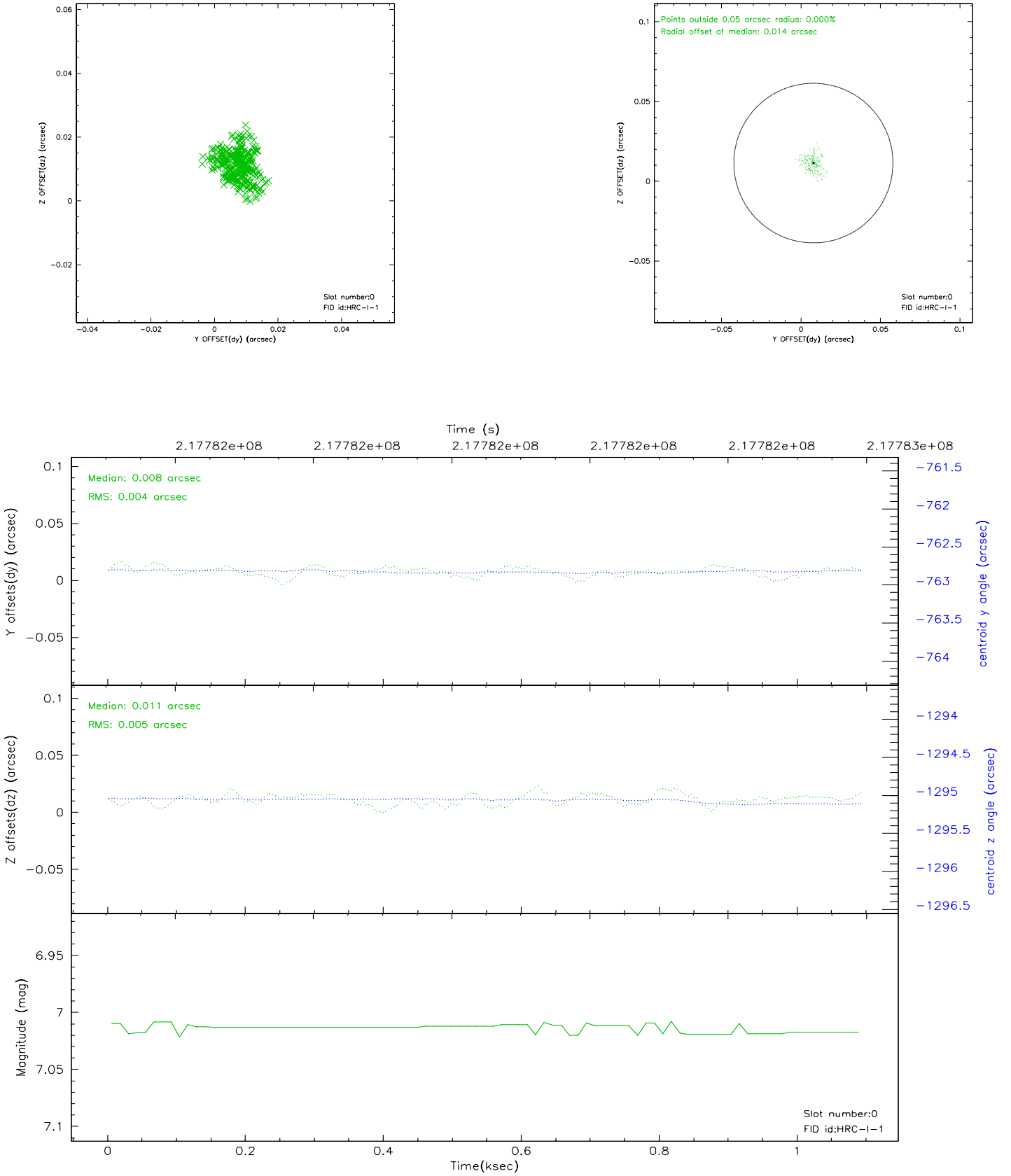


2.4.5 Slot 7

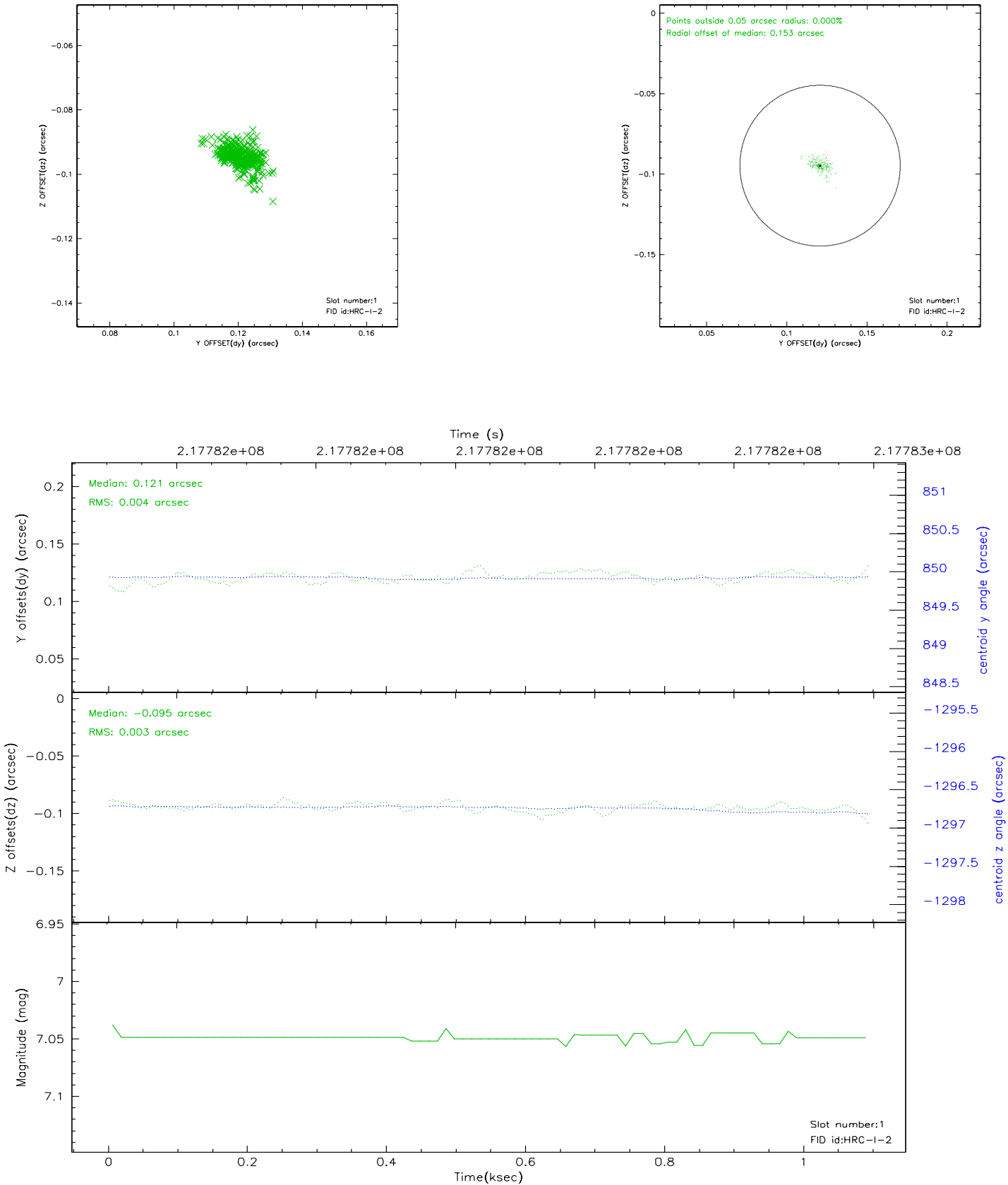


2.5 FID Slots

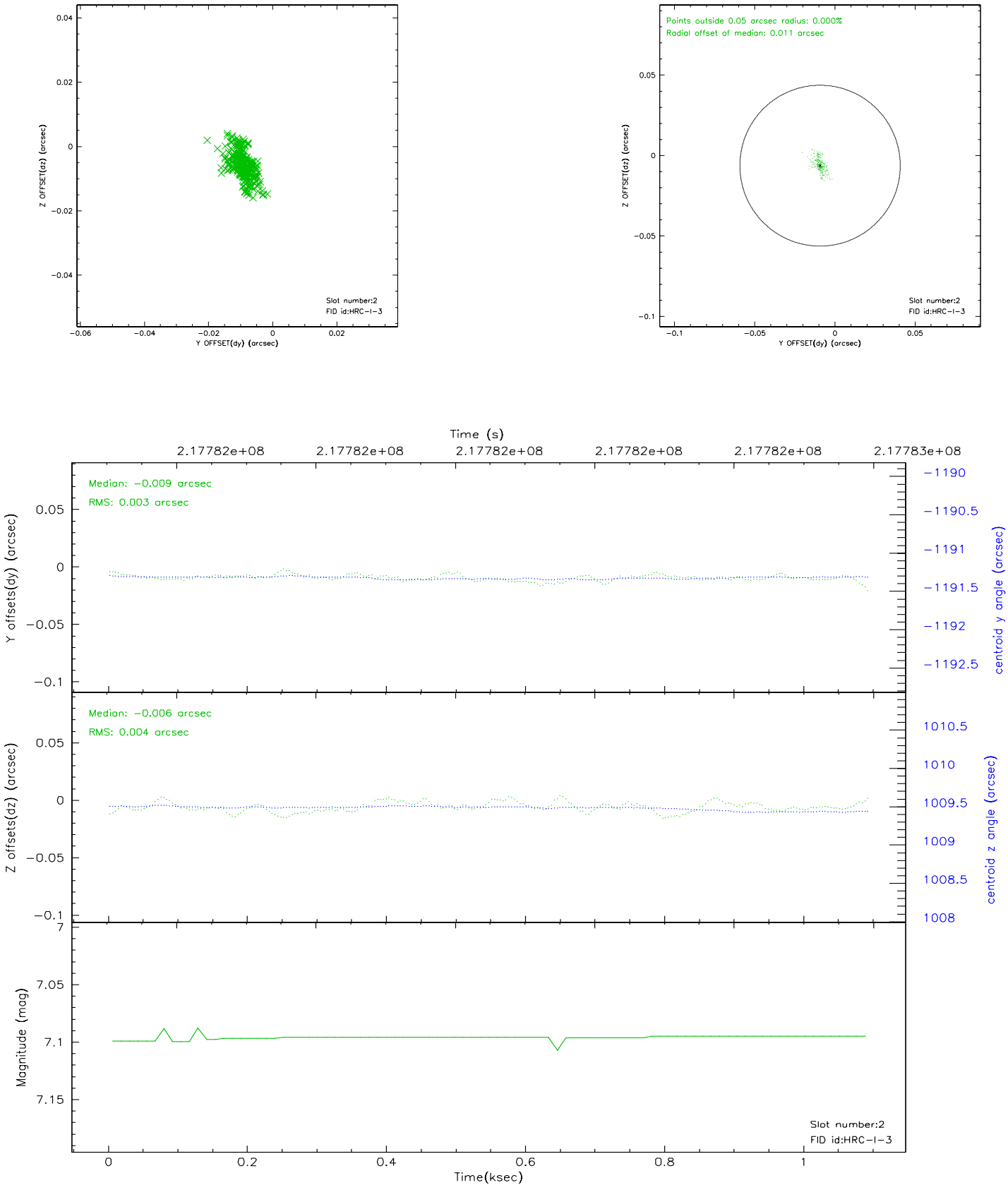
2.5.1 Slot 0



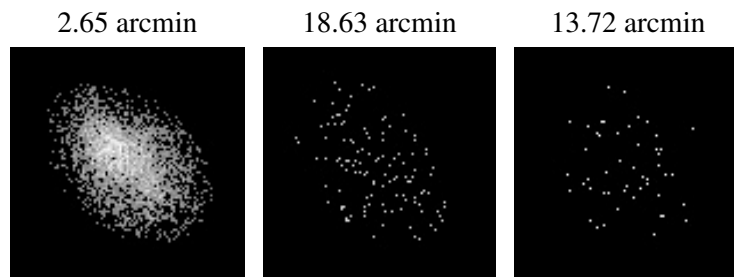
2.5.2 Slot 1



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	1.089831

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.