

V&V Reference Report

L2 ASCDS Version : 7.6.8.1

Observation 2614 - L2 Version 3
Chandra X-Ray Center

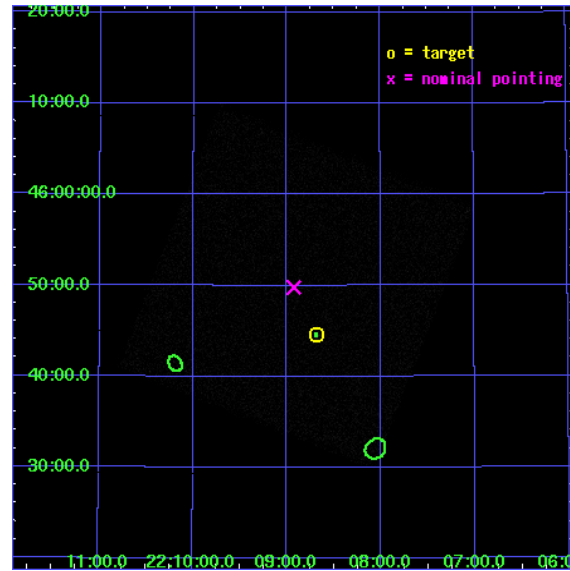
L2 Processing Date : Nov 21 2007

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

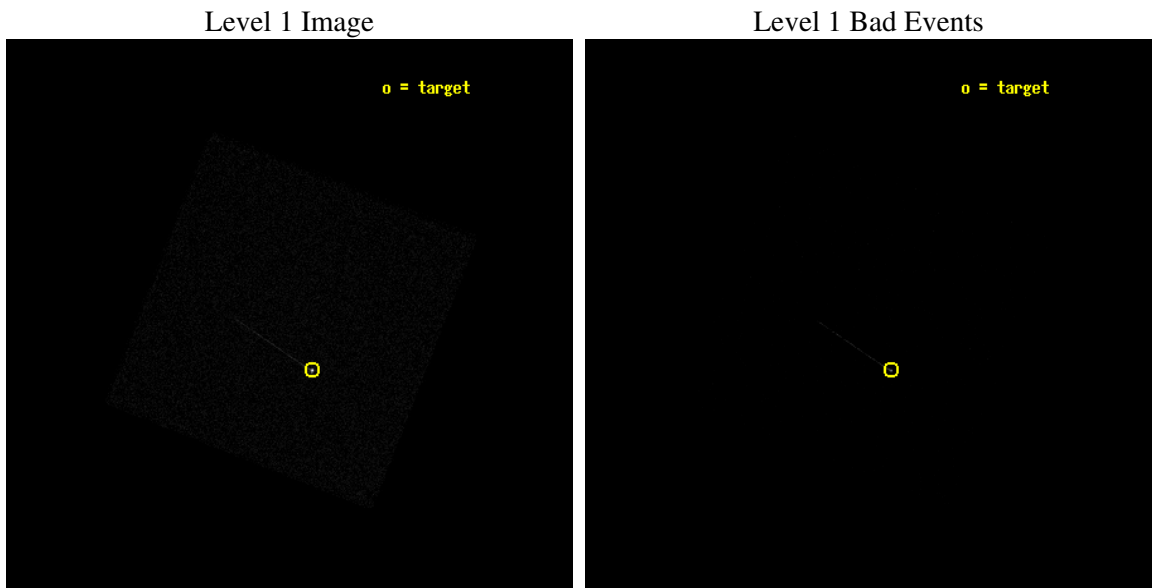
seq_num	290170
obs_id	2614
title	AO3 HRC-I CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC
observer	Dr. CXC Calibration
object	ARLAC
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.23124269796
dec_nom	45.829962513651
roll_nom	336.48625686801
revision	3
ontime	1194.3812981099
livetime	1187.7092872742
l2events	37576



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	2007-11-21T17:37:48
revision	3

sched_exp_time	1000.000000
ontime	1194.3812981099
l1events	68534

2.1.3 Events

Level 1 Events

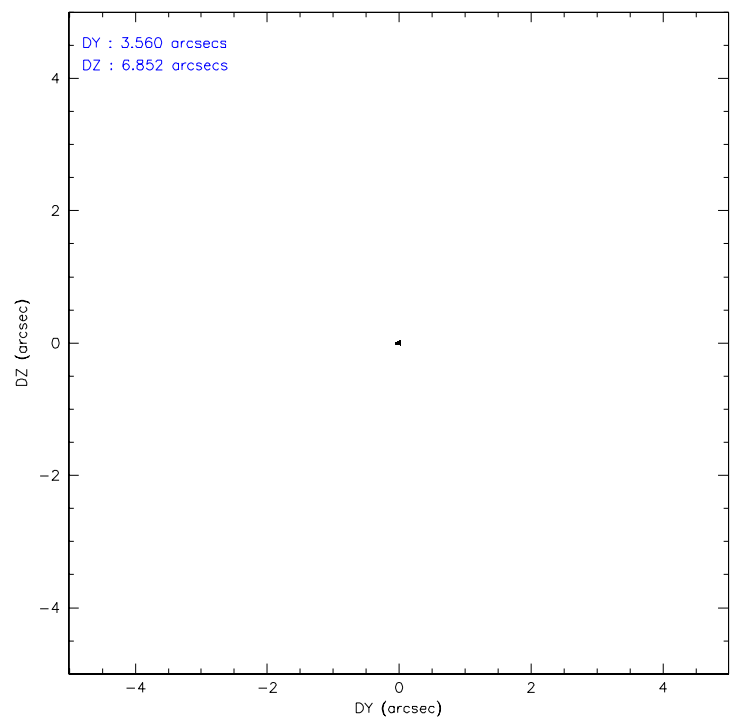
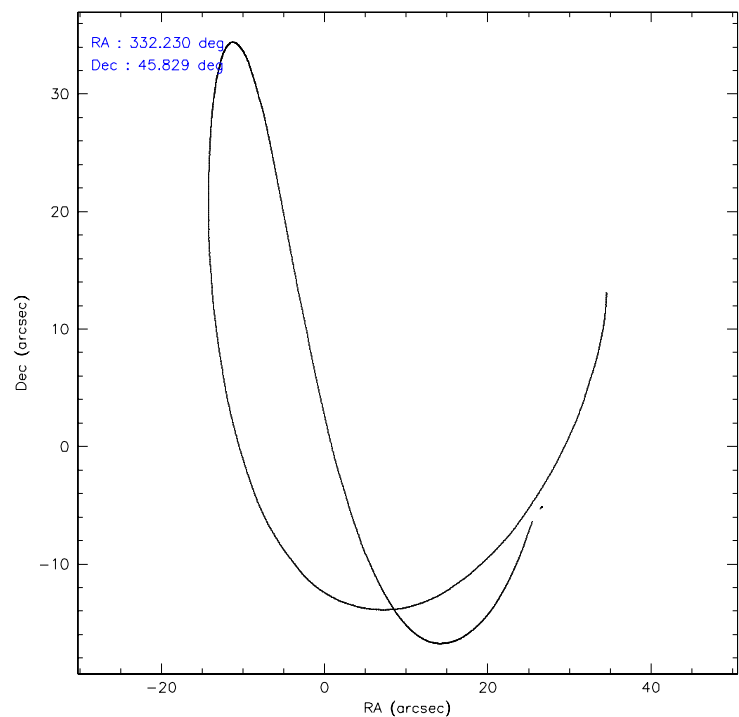
	segment 0
level 1 events	68534
rejected events	14414
rejected %	21%

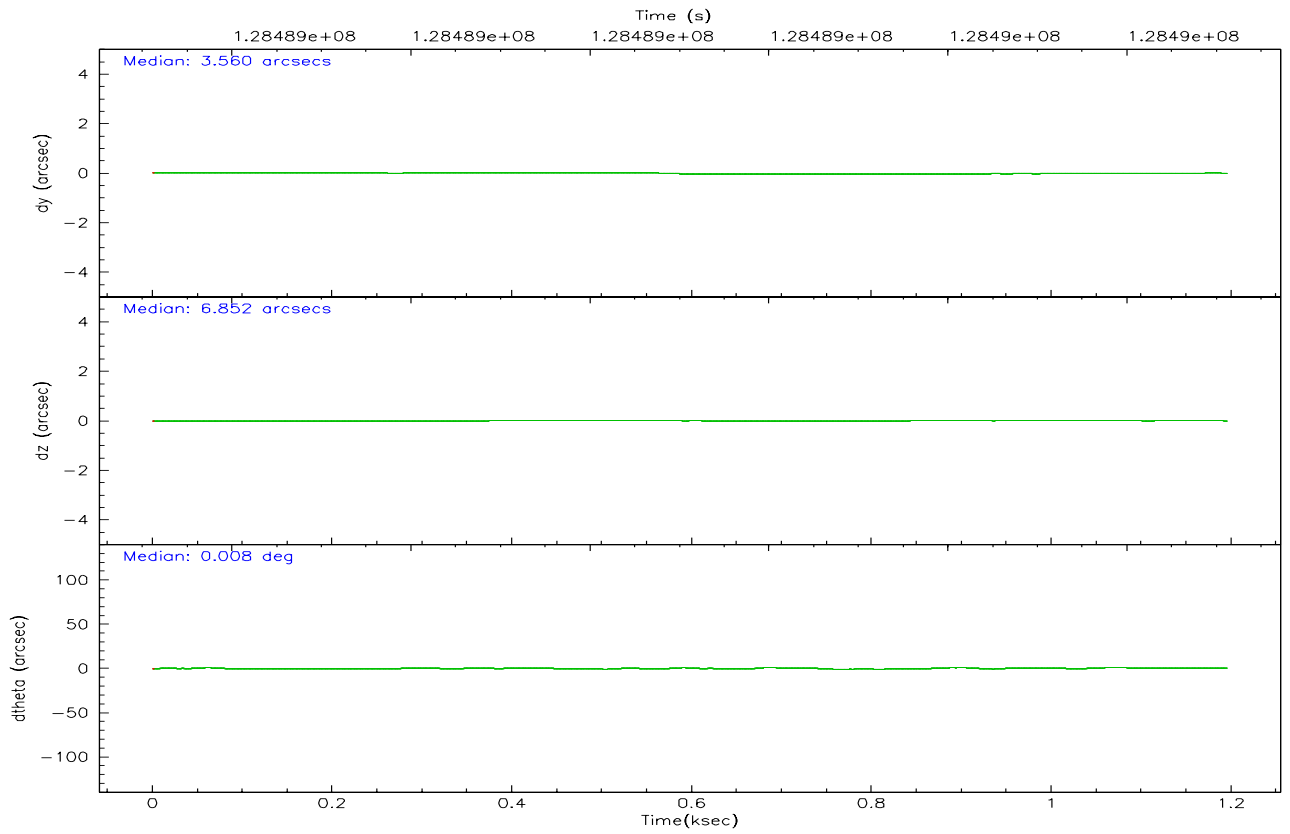
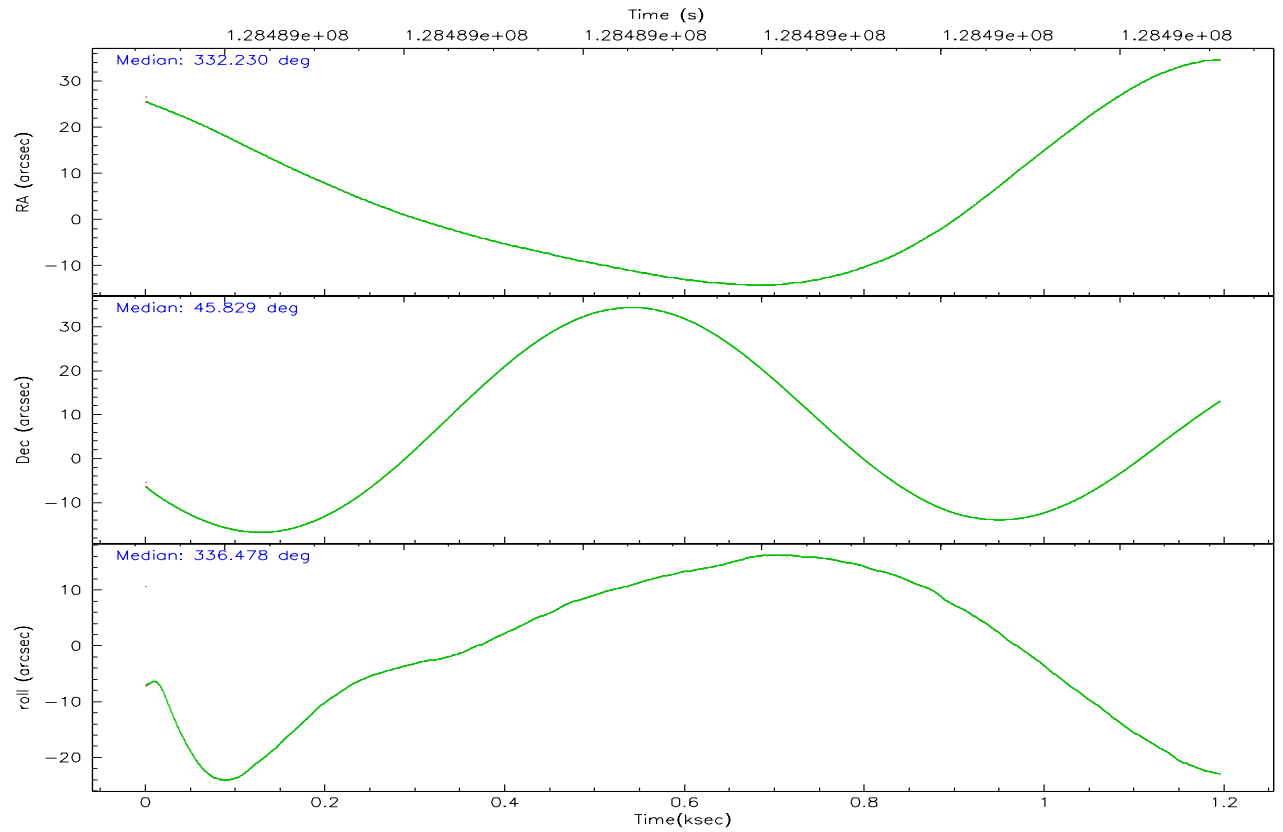
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	332.192555	332.2312426979615
Pointing Dec	45.827388	45.82996251365077
Pointing Roll	336.609214	336.4862568680105
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	128488909.184000	128488533.15268
Observation start date	2002-01-27T03:20:45	2002-01-27T03:15:33
Observation end time	128489909.184000	128490043.49025
Observation end date	2002-01-27T03:37:25	2002-01-27T03:40:43

Parameter	Planned	Actual
Obspar format version number	6	6
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



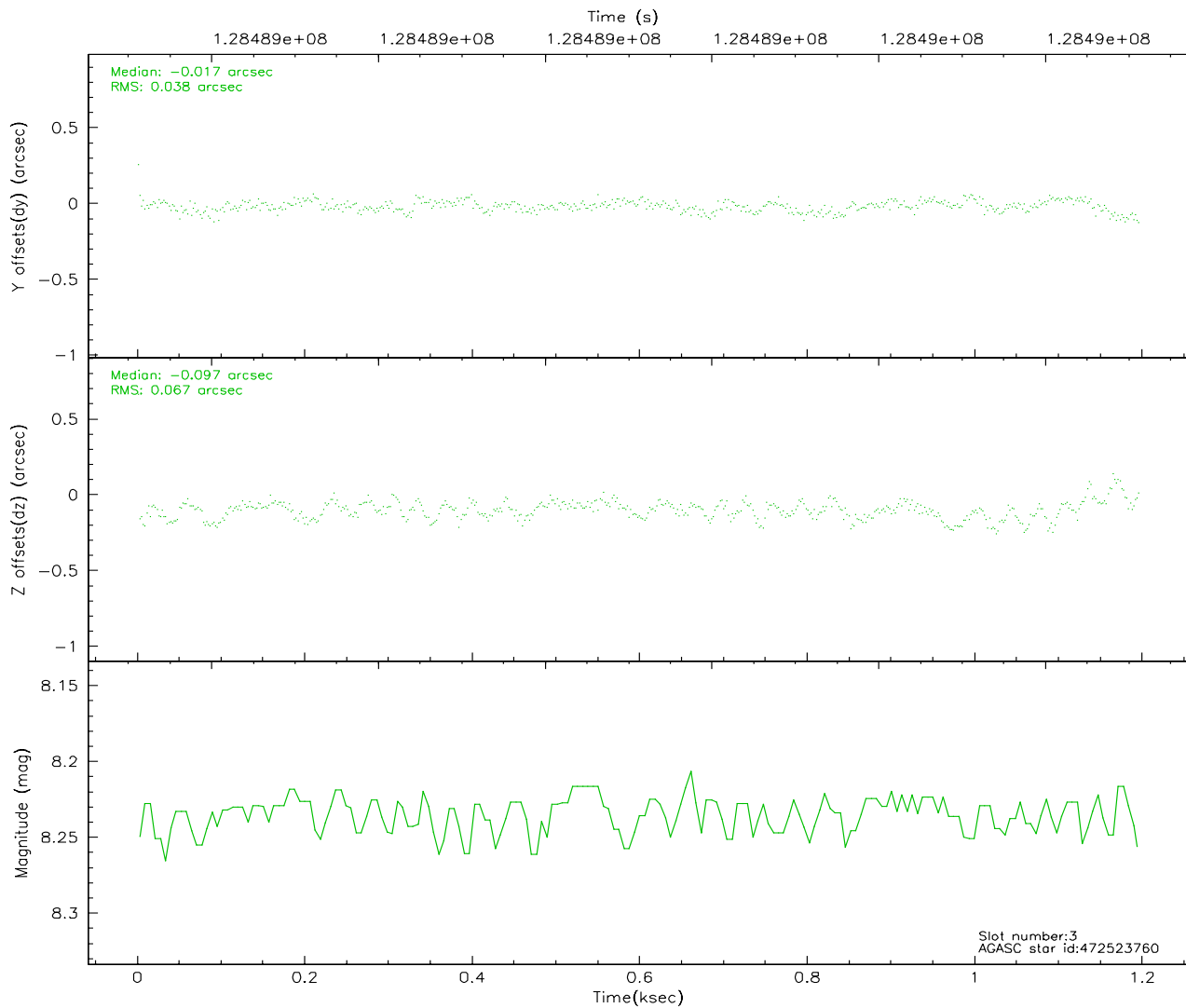
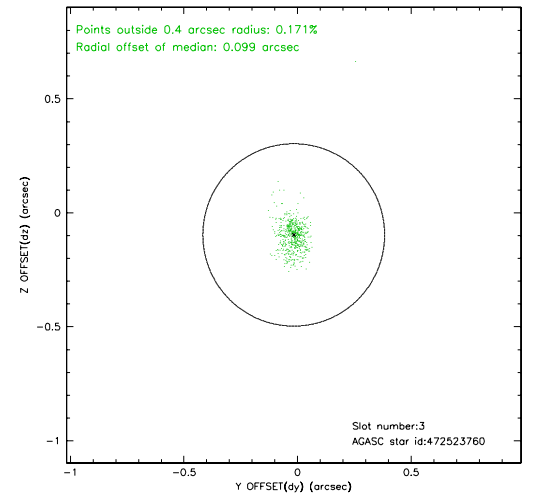
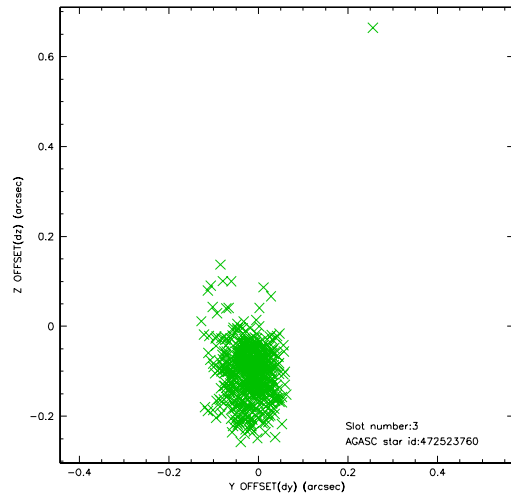


Slot Statistics

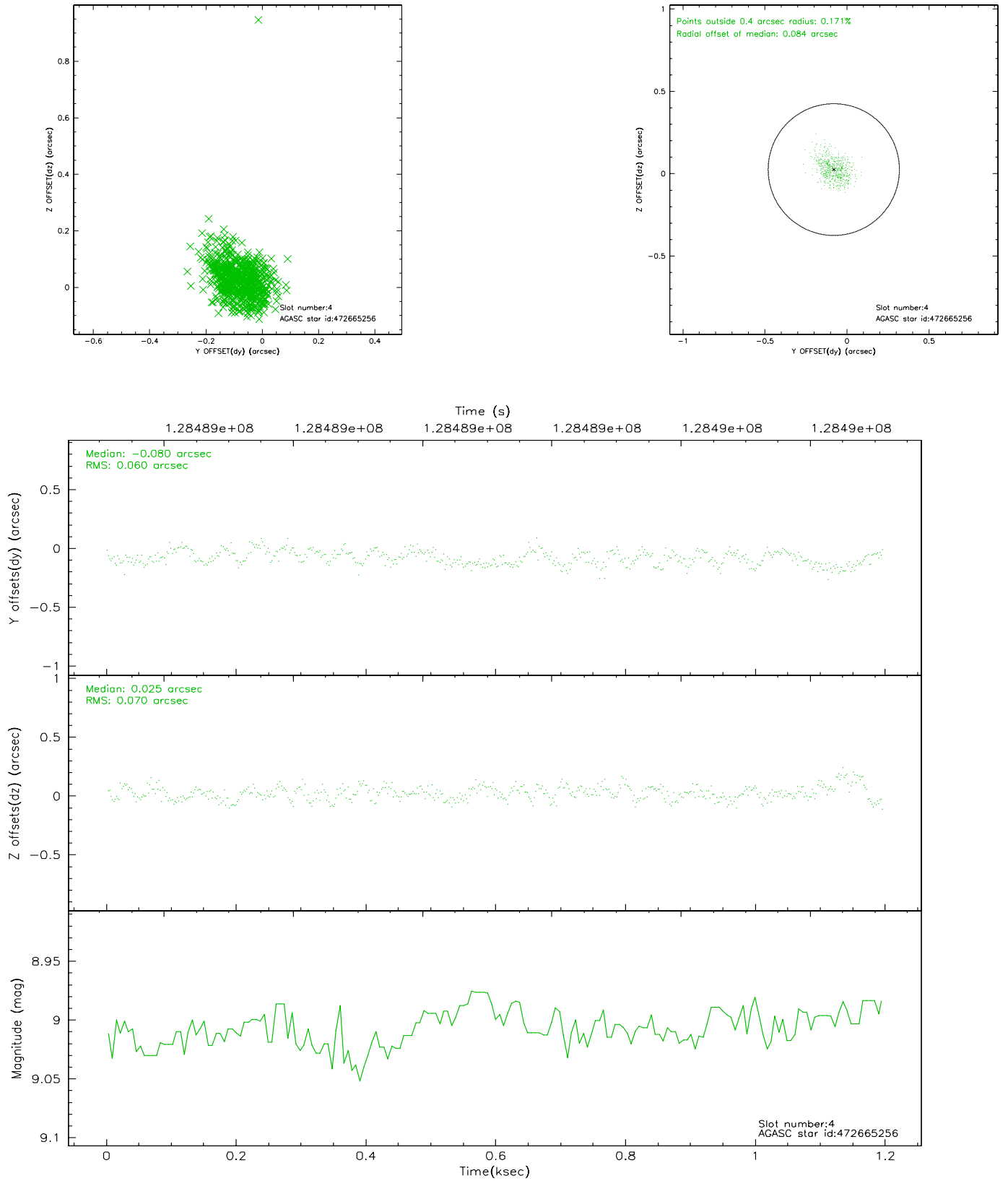
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	292	0.025	0.030	0.007	0.012	0.000000	0.000000	-759.00	-1294.72
1	FID	HRC-I-2	7.00	292	0.077	-0.068	0.005	0.009	0.000000	0.000000	851.08	-1300.80
2	FID	HRC-I-3	7.04	292	0.018	-0.050	0.006	0.009	0.000000	0.000000	-1184.61	1005.30
3	GUIDE	472523760	8.23	584	-0.017	-0.097	0.068	0.130	331.645363	45.403260	-666.55	-1943.48
4	GUIDE	472665256	9.01	584	-0.080	0.025	0.089	0.146	332.808125	46.195041	877.01	1828.90
5	GUIDE	472659832	9.46	584	0.117	0.084	0.110	0.381	332.780399	46.098139	957.55	1488.35
6	GUIDE	472655704	9.48	580	0.050	-0.004	0.106	0.177	332.167195	45.285228	716.20	-1811.32
7	GUIDE	472523568	9.33	583	-0.069	0.010	0.117	0.206	331.465966	45.371411	-1038.35	-2228.85

2.4 Star Slots

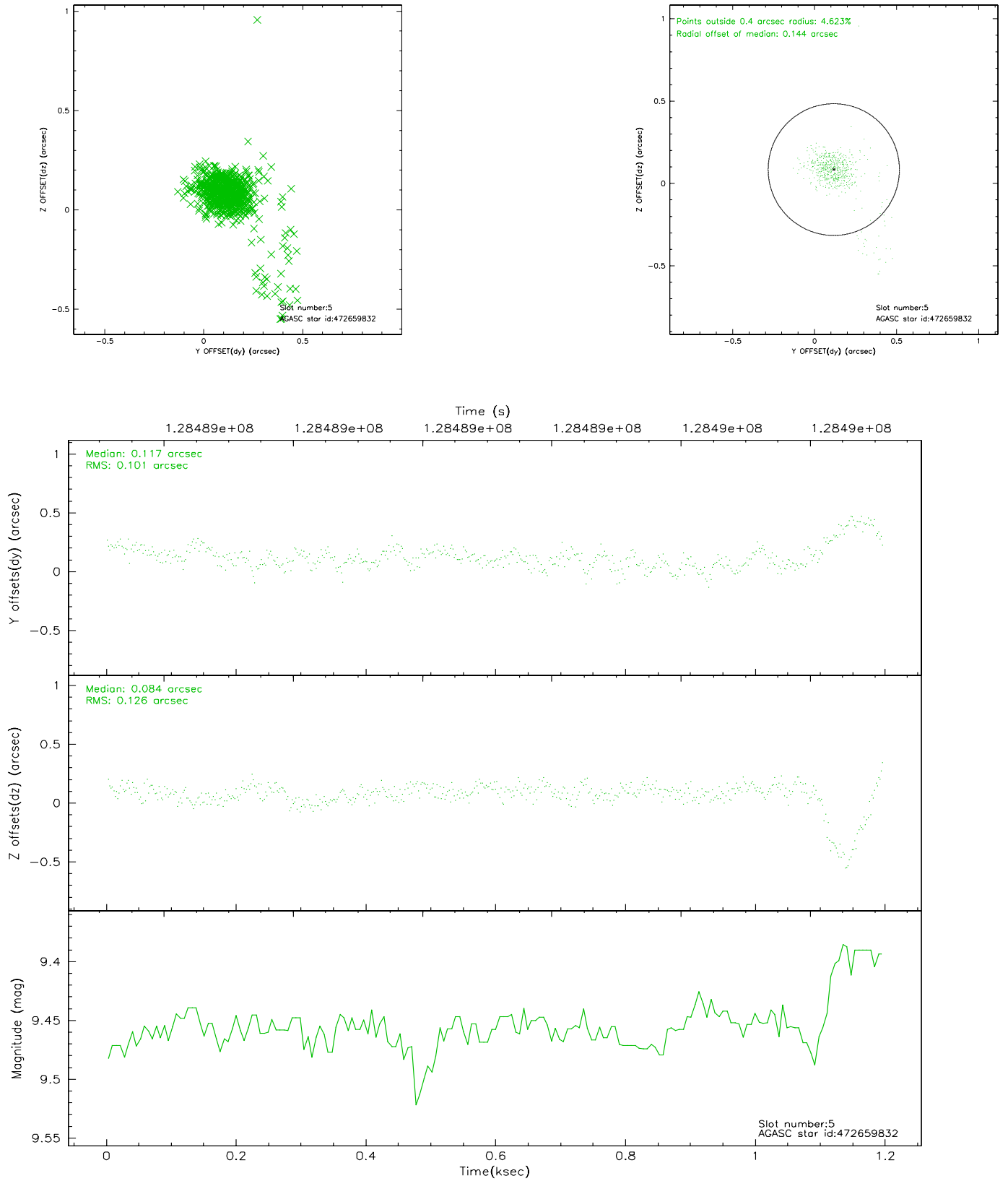
2.4.1 Slot 3



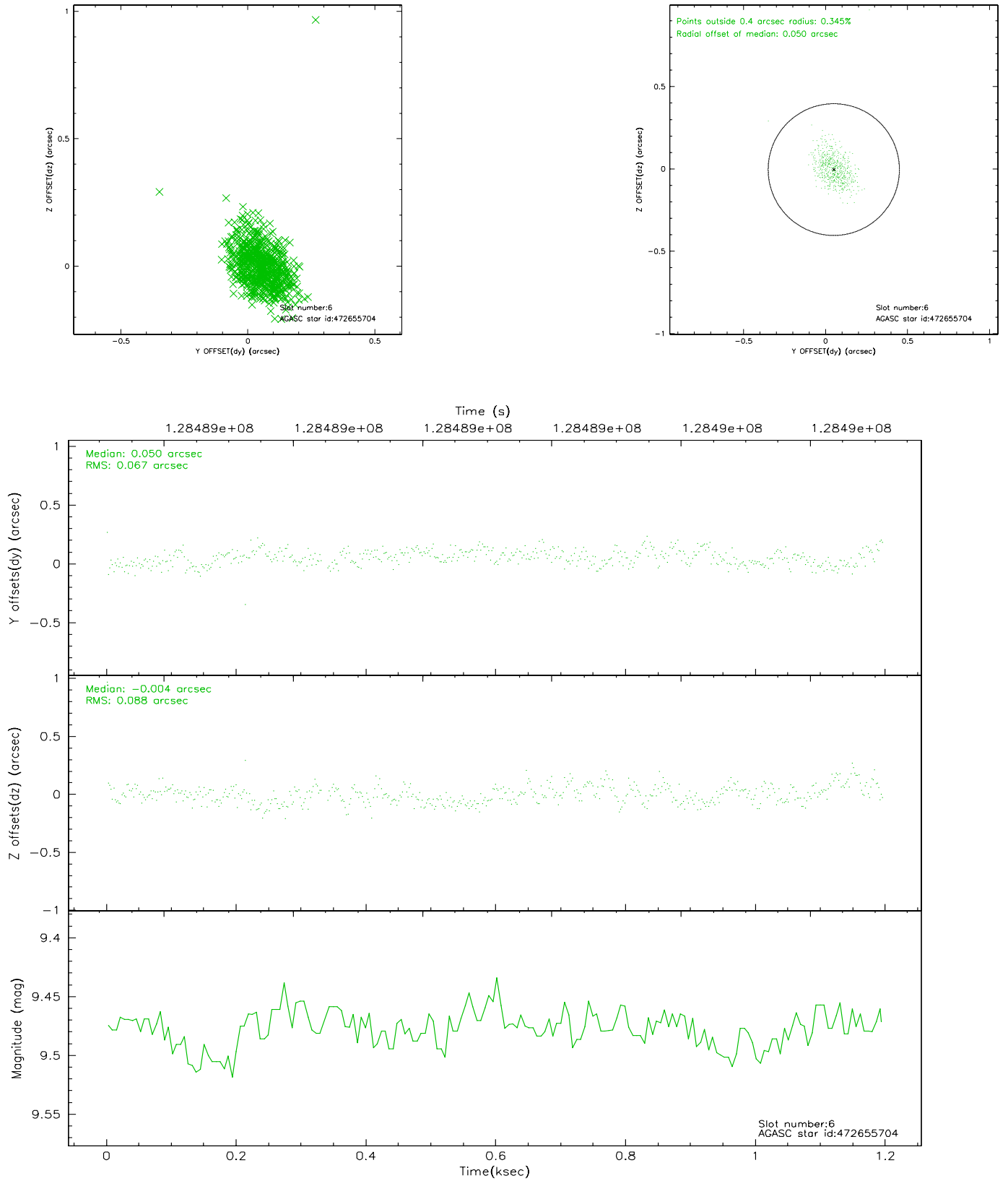
2.4.2 Slot 4



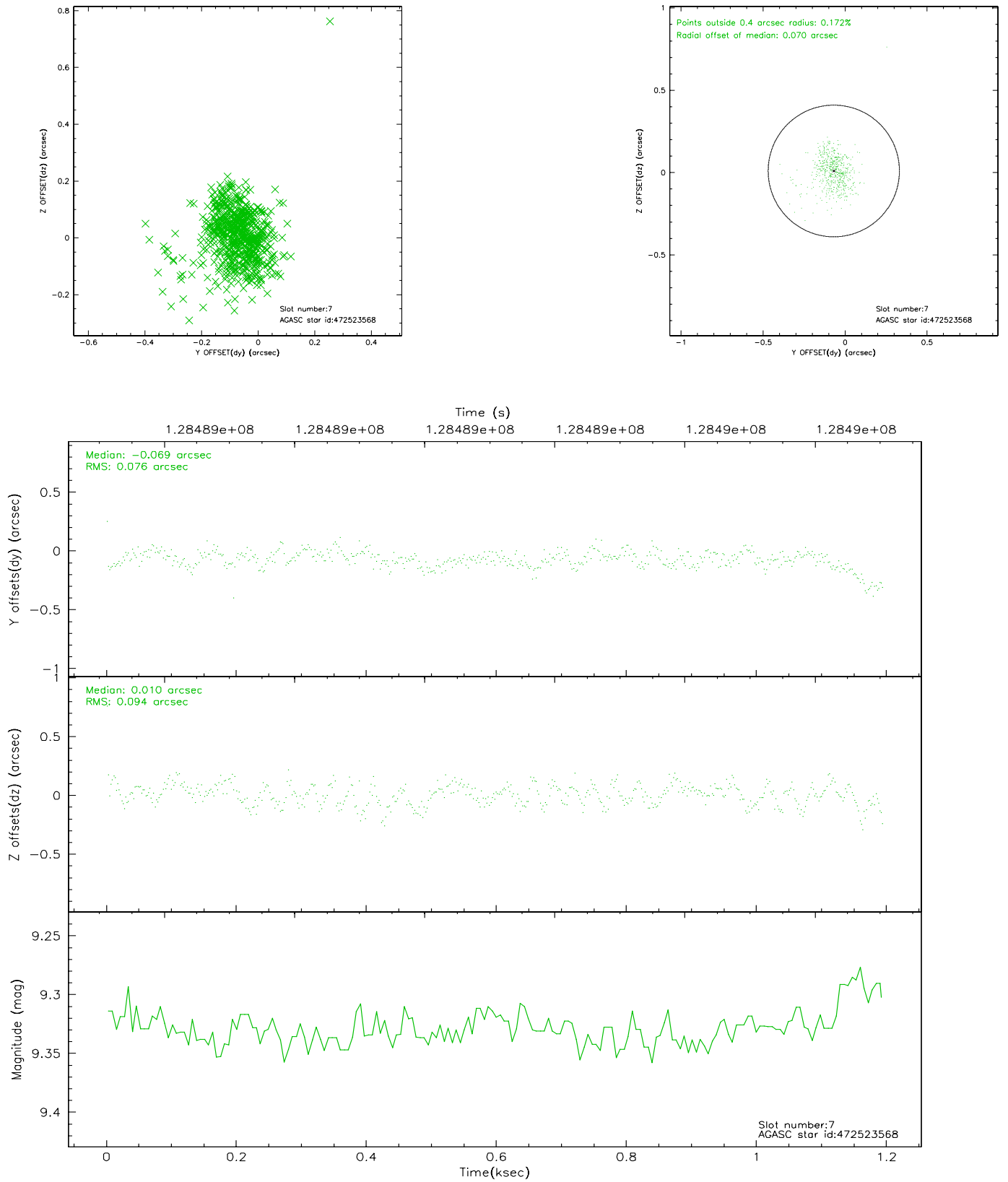
2.4.3 Slot 5



2.4.4 Slot 6

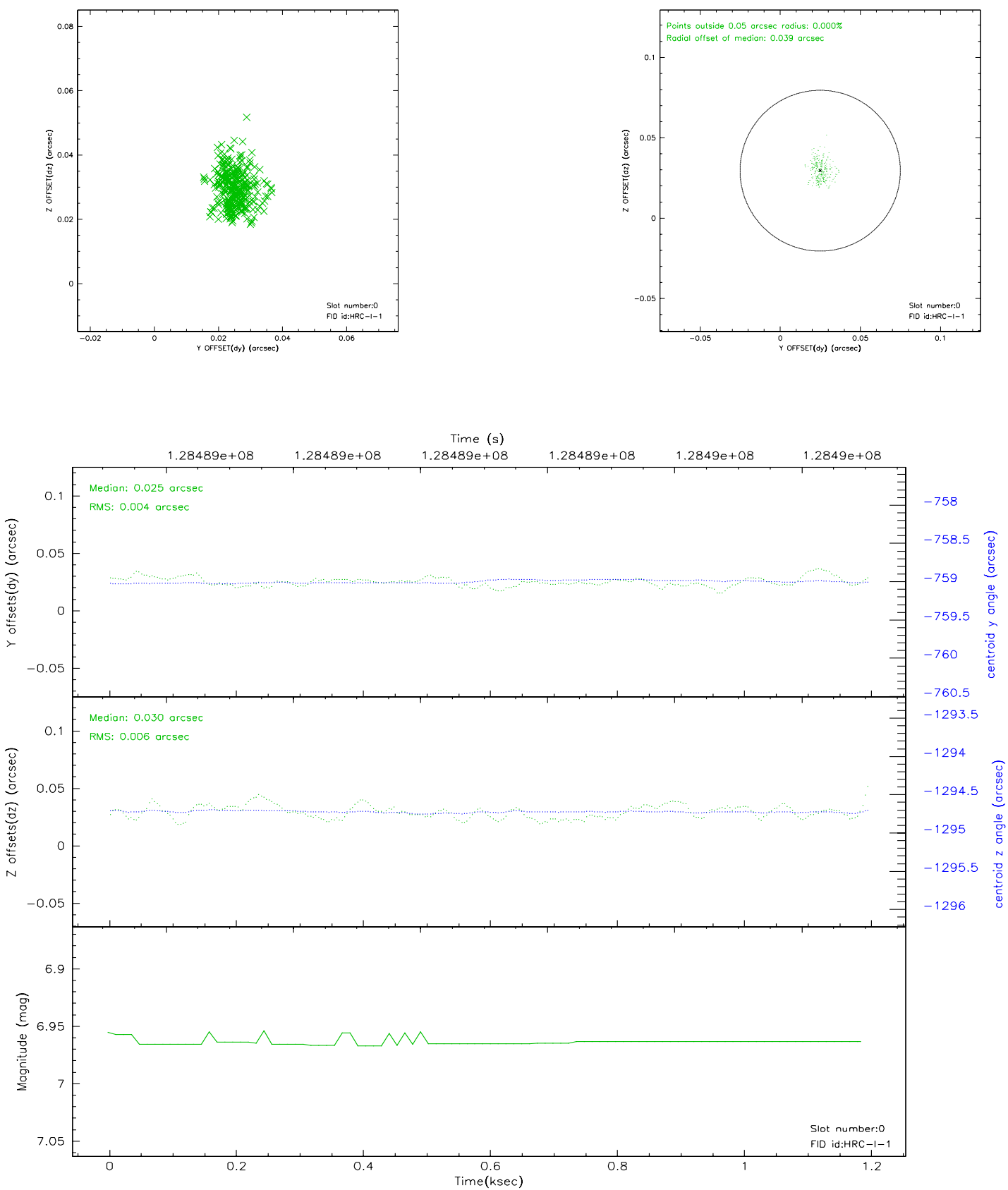


2.4.5 Slot 7

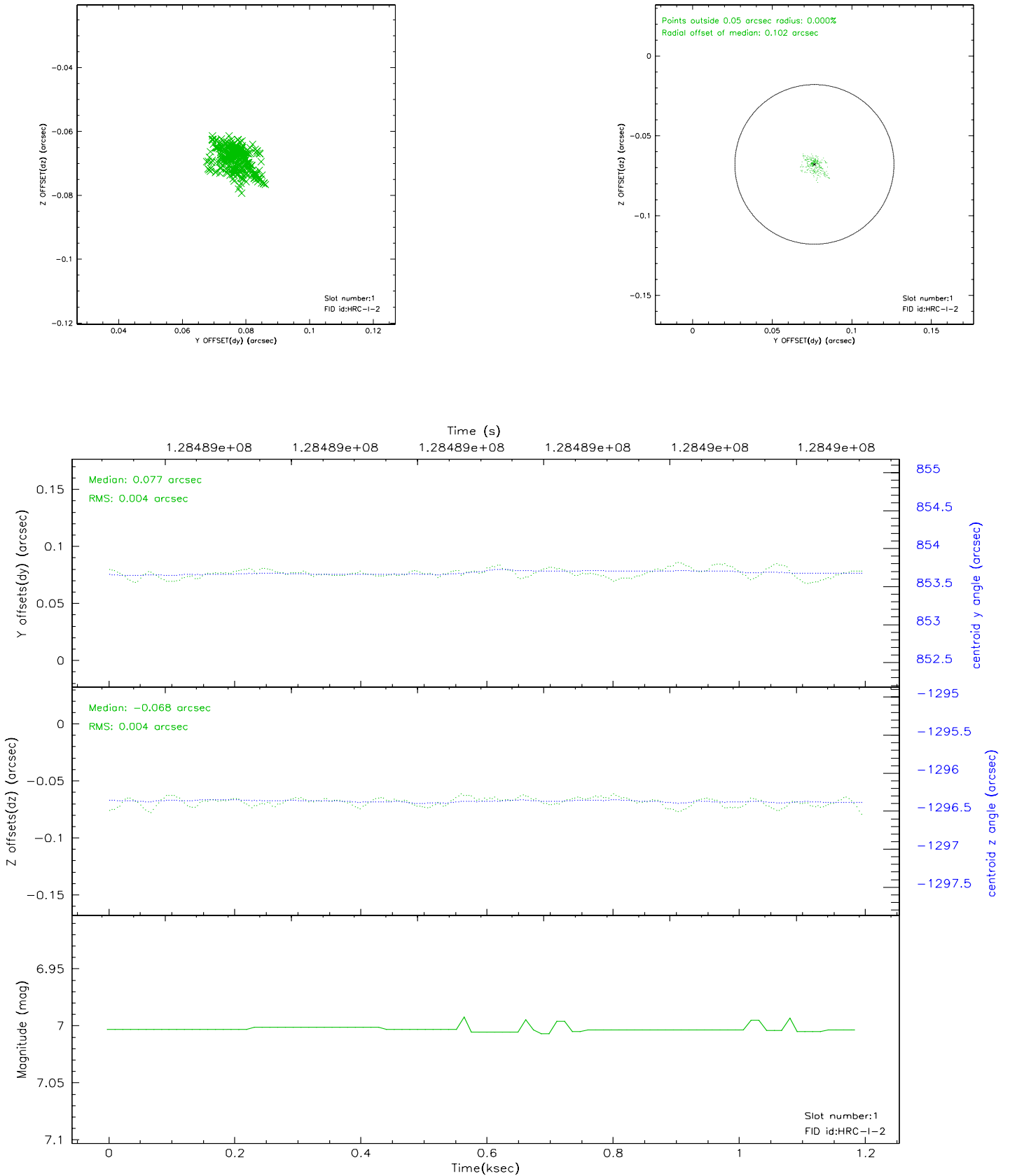


2.5 FID Slots

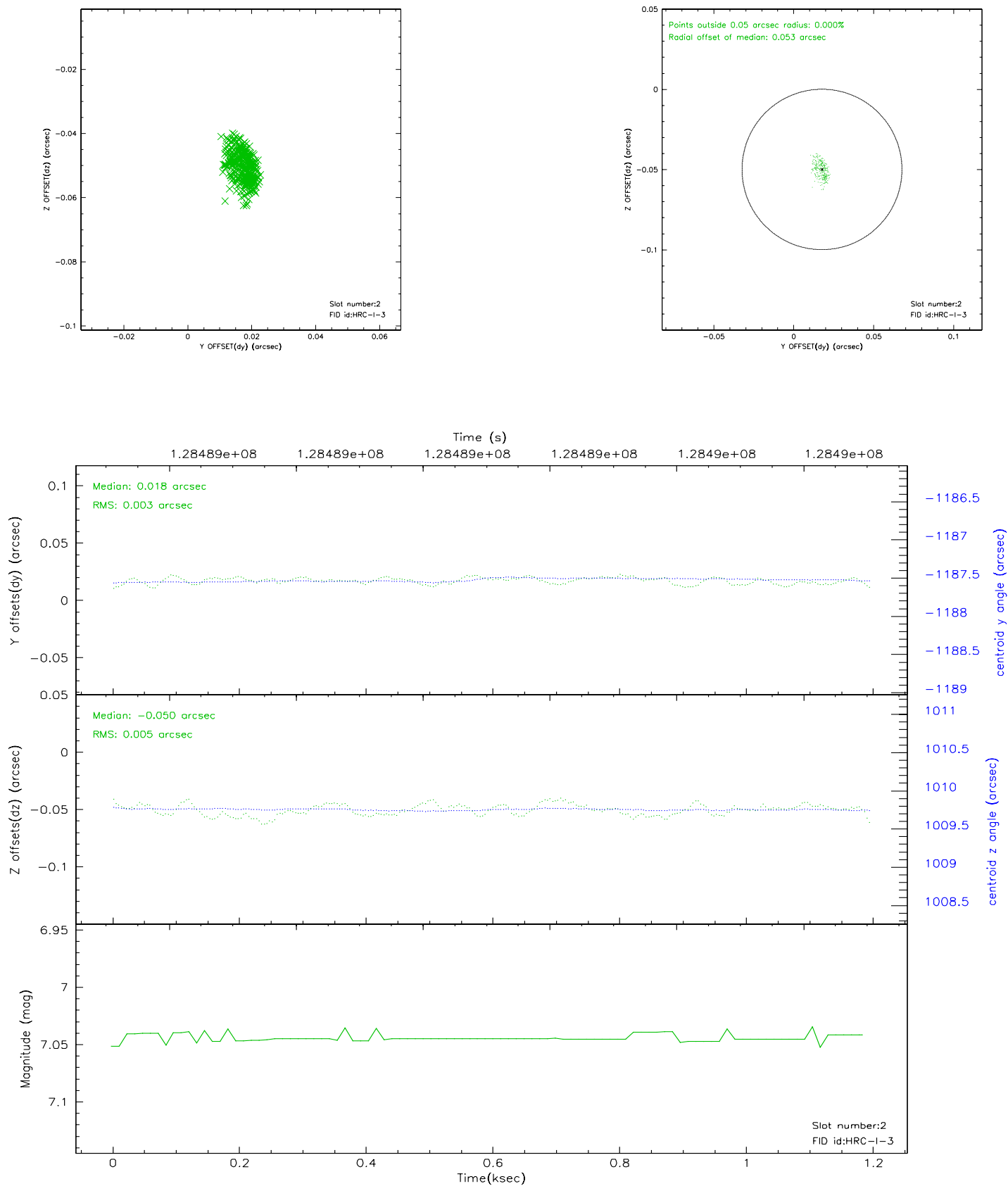
2.5.1 Slot 0



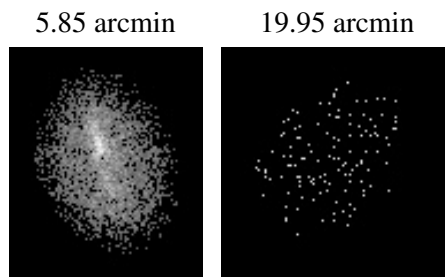
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.12.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.194

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.