

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 290 - L2 Version 4
Chandra X-Ray Center

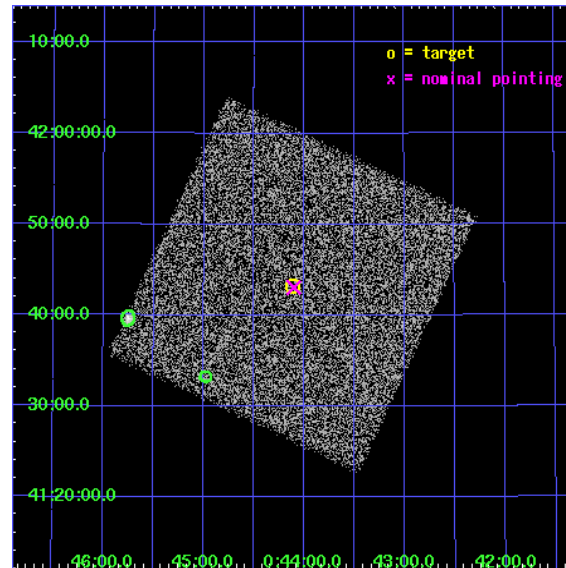
L2 Processing Date : Nov 20 2007

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

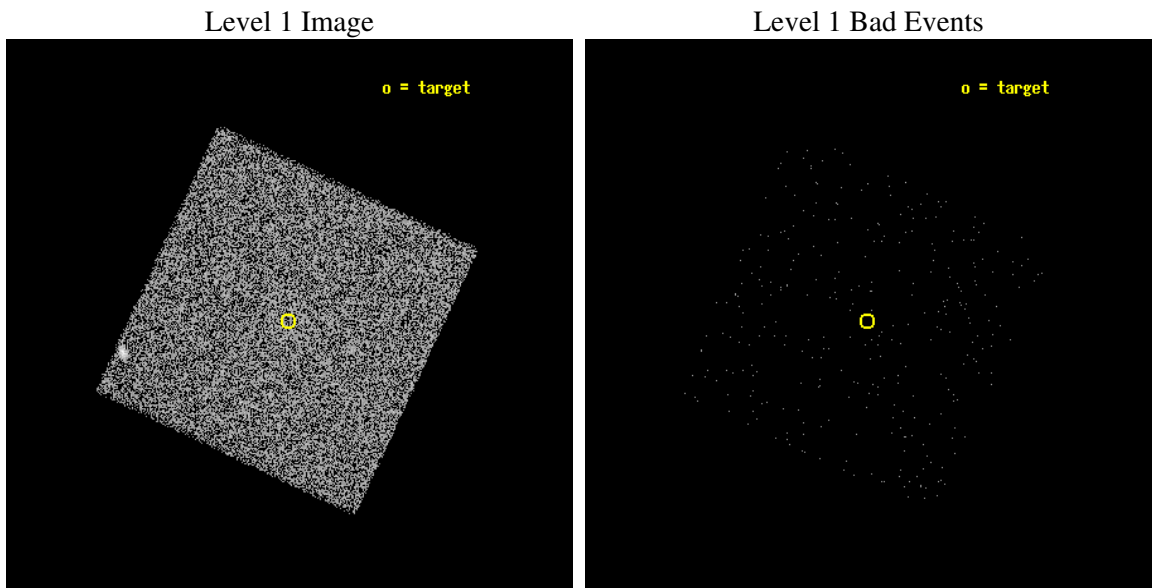
seq_num	600050
obs_id	290
title	MONITORING M31
observer	Dr. Stephen Murray
object	M31 - North 1
ra_targ	11.029167
dec_targ	41.721111
ra_nom	11.025560590388
dec_nom	41.717887863417
roll_nom	250.14404902919
revision	4
ontime	1184.1312952042
livetime	1178.4198944699
l2events	31502



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0
ascdsver	7.6.11.2
caldbver	3.4.1
date	2007-11-21T03:21:49
revision	4

sched_exp_time	1000.000000
ontime	1184.1312952042
l1events	58729

2.1.3 Events

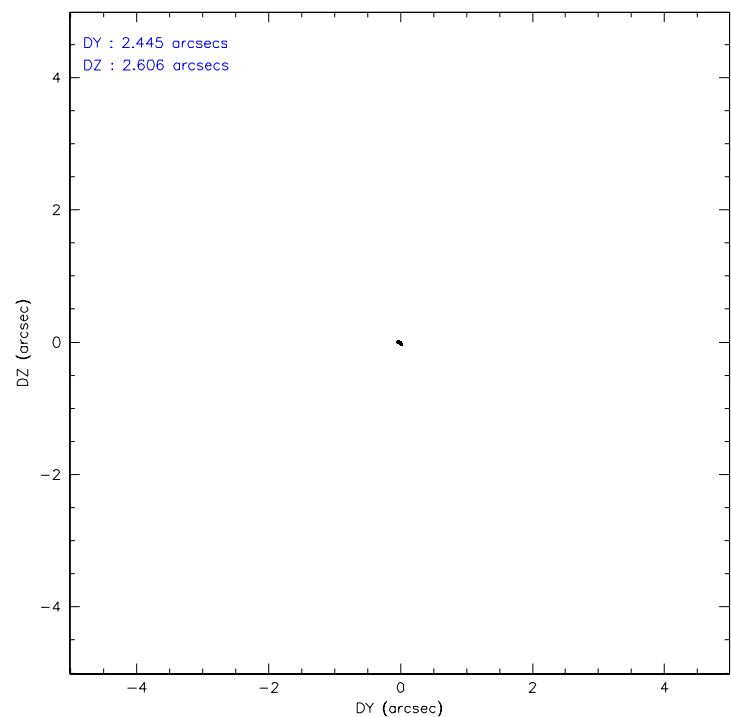
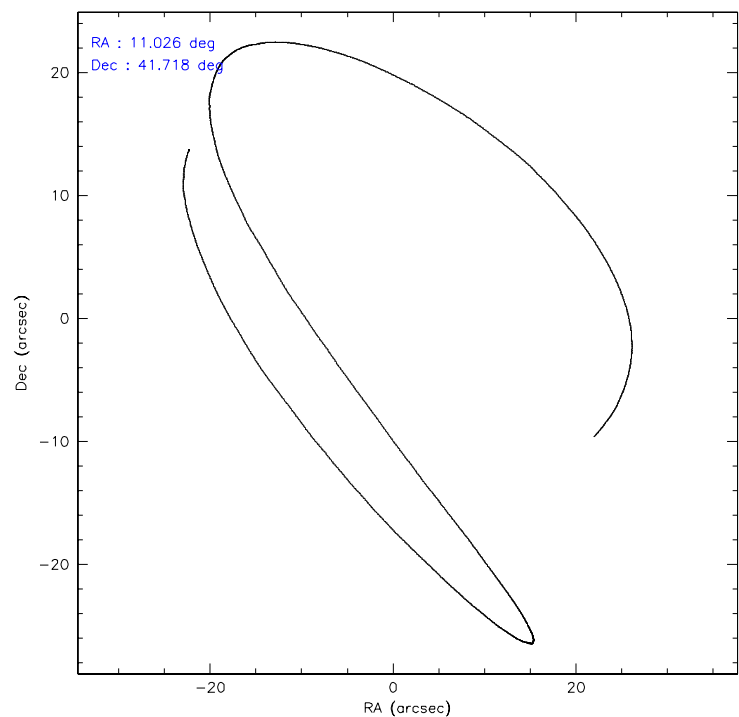
Level 1 Events

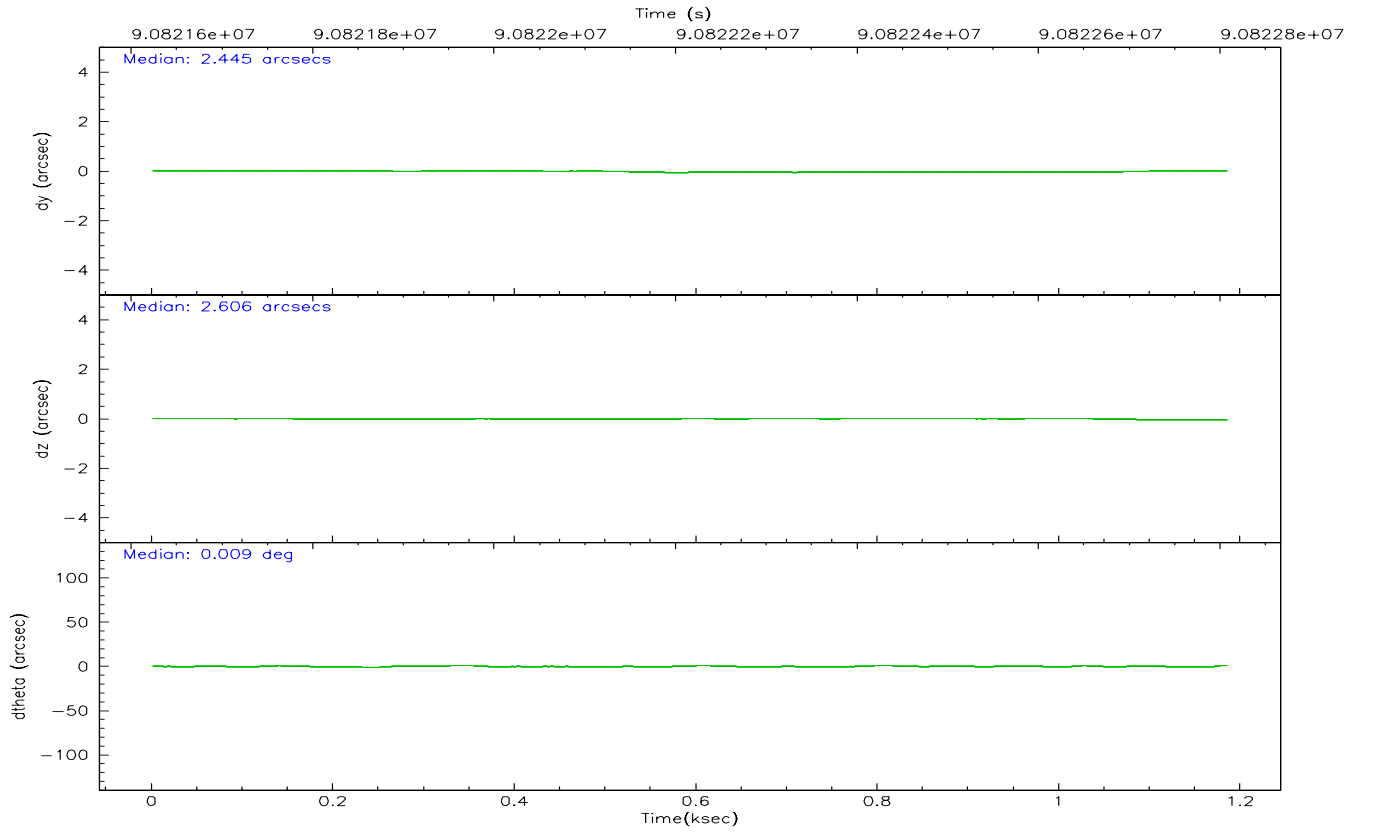
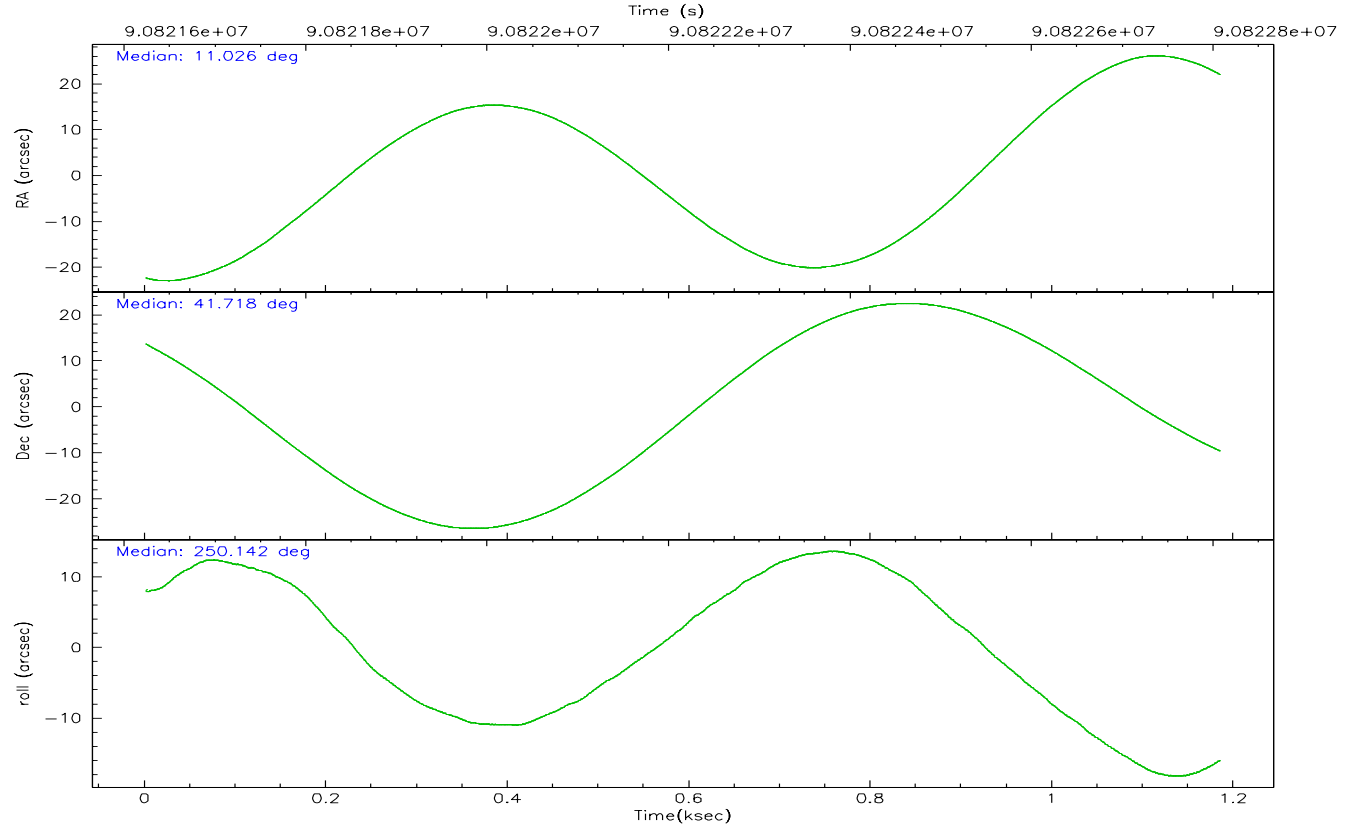
	segment 0
level 1 events	58729
rejected events	12937
rejected %	22%

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	11.018175	11.02556059038786			
Pointing Dec	41.744602	41.71788786341724			
Pointing Roll	250.244456	250.1440490291855			
SIM focus pos (mm)	-1.040293	-1.038866356238299			
SIM defocus (mm)	0	0.001426264420575141			
SIM translation stage pos (mm)	126.985494	126.9804656746847			
SIM translation stage offset (mm)	0	0.005023216916882234			
Observation start time	90821810.184000	90821434.49072801			
Observation start date	2000-11-17T04:15:46	2000-11-17T04:10:34			
Observation end time	90822810.184000	90822944.315786			
Observation end date	2000-11-17T04:32:26	2000-11-17T04:35:44			

2.3 Aspect



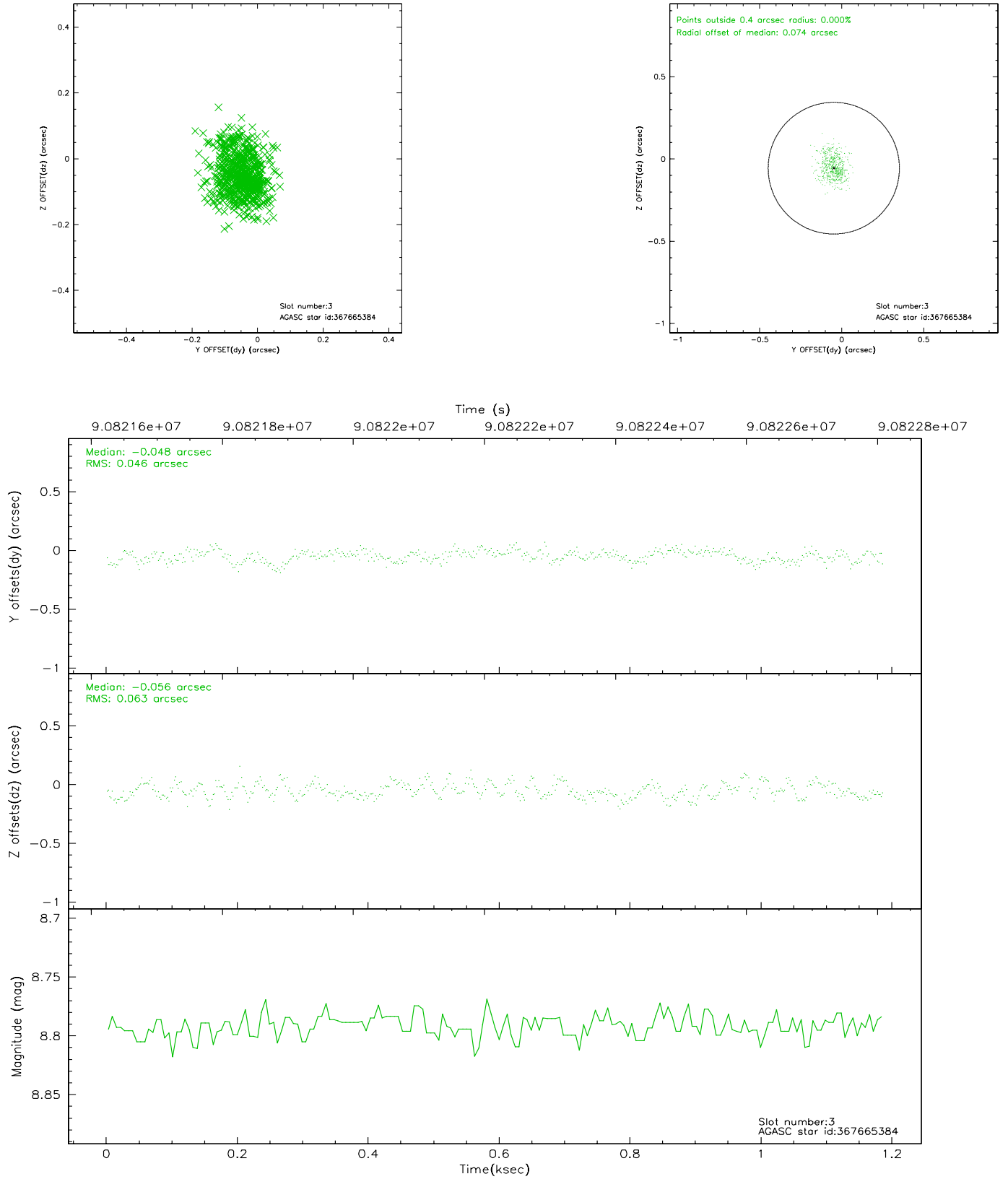


Slot Statistics

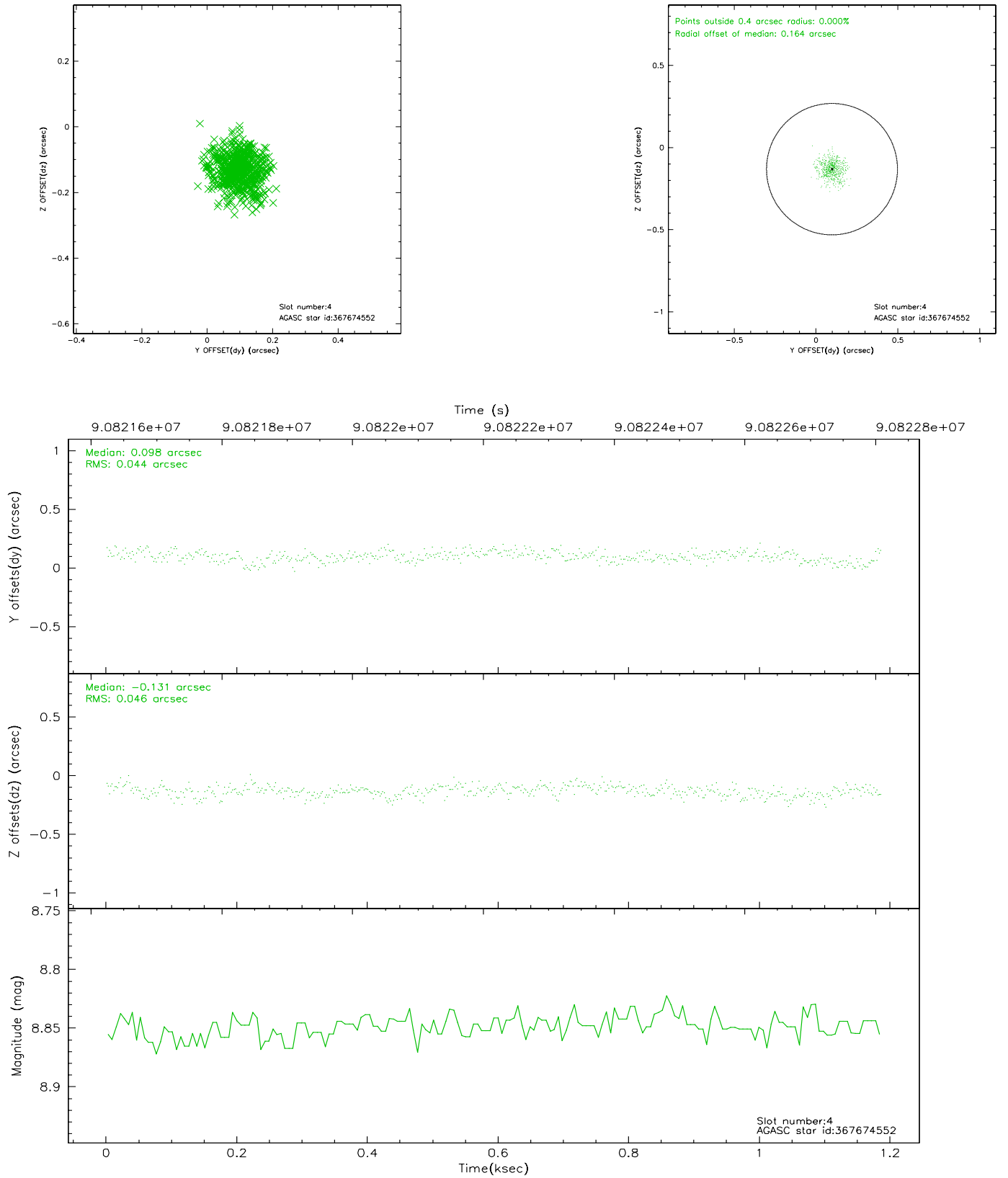
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	289	0.042	0.002	0.006	0.011	0.000000	0.000000	-757.88	-1290.25
1	FID	HRC-I-2	7.00	289	0.064	-0.066	0.006	0.009	0.000000	0.000000	852.16	-1296.38
2	FID	HRC-I-3	7.05	289	0.014	-0.025	0.005	0.010	0.000000	0.000000	-1183.40	1009.80
3	GUIDE	367665384	8.79	579	-0.048	-0.056	0.080	0.133	10.414363	42.275730	-1260.19	-2162.98
4	GUIDE	367674552	8.85	579	0.098	-0.131	0.068	0.109	11.016238	41.570845	589.43	201.75
5	GUIDE	367146616	8.86	579	-0.058	0.079	0.079	0.146	11.418645	41.190163	1511.40	1694.44
6	GUIDE	367657896	9.02	579	0.015	0.042	0.071	0.123	11.197765	41.313576	1299.39	983.43
7	GUIDE	367670520	9.26	575	0.000	0.050	0.081	0.132	11.265516	42.371946	-2345.54	-143.77

2.4 Star Slots

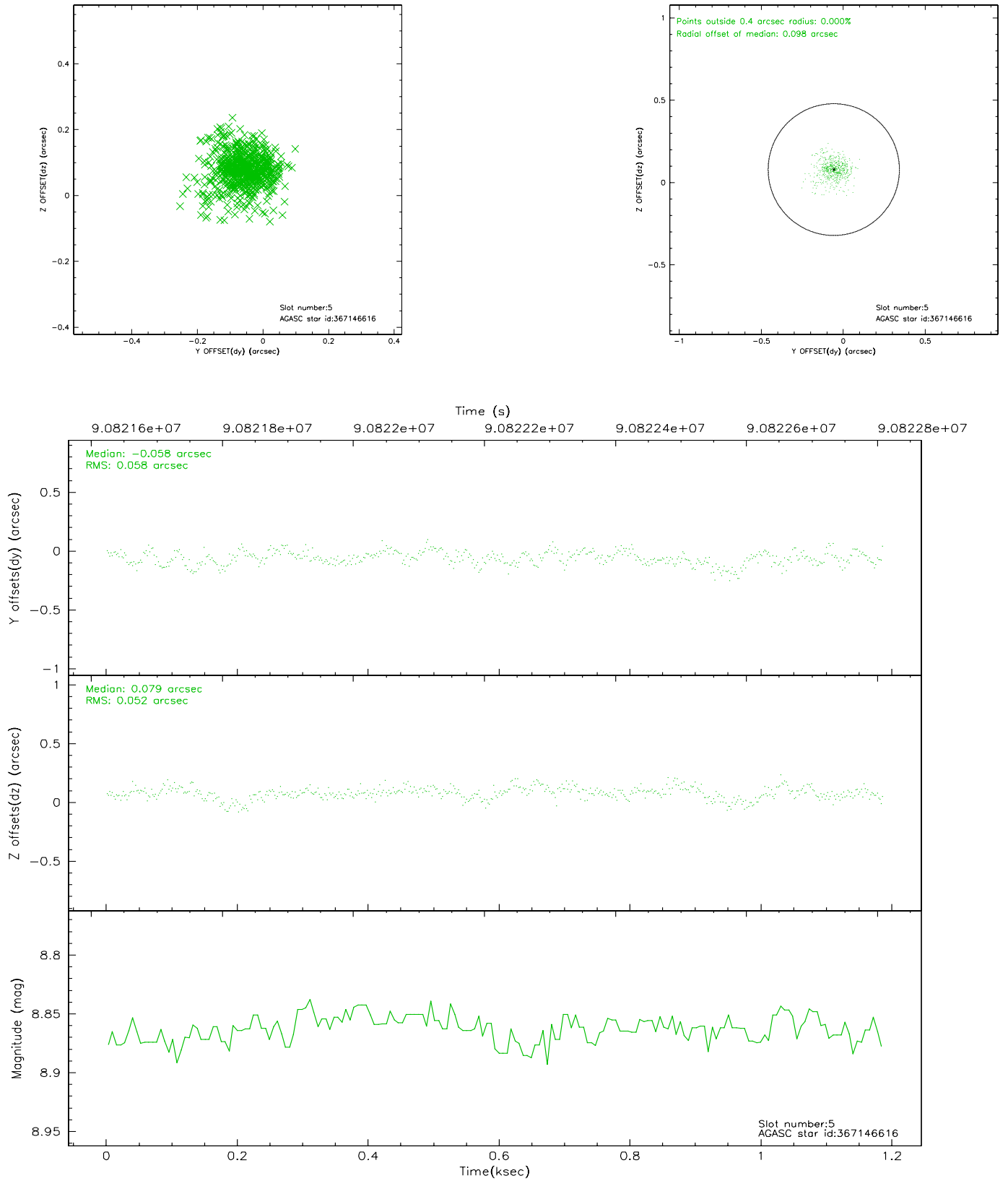
2.4.1 Slot 3



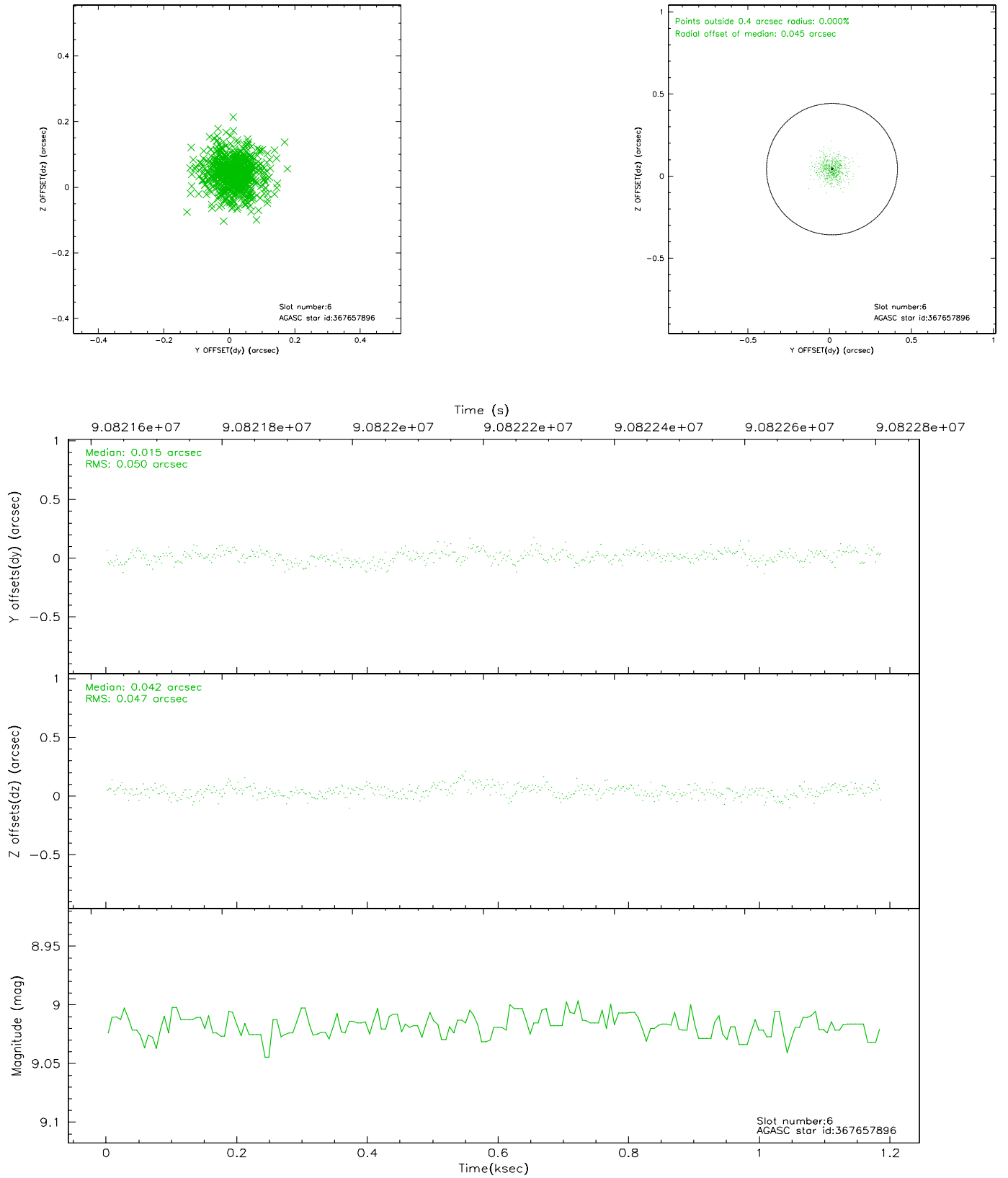
2.4.2 Slot 4



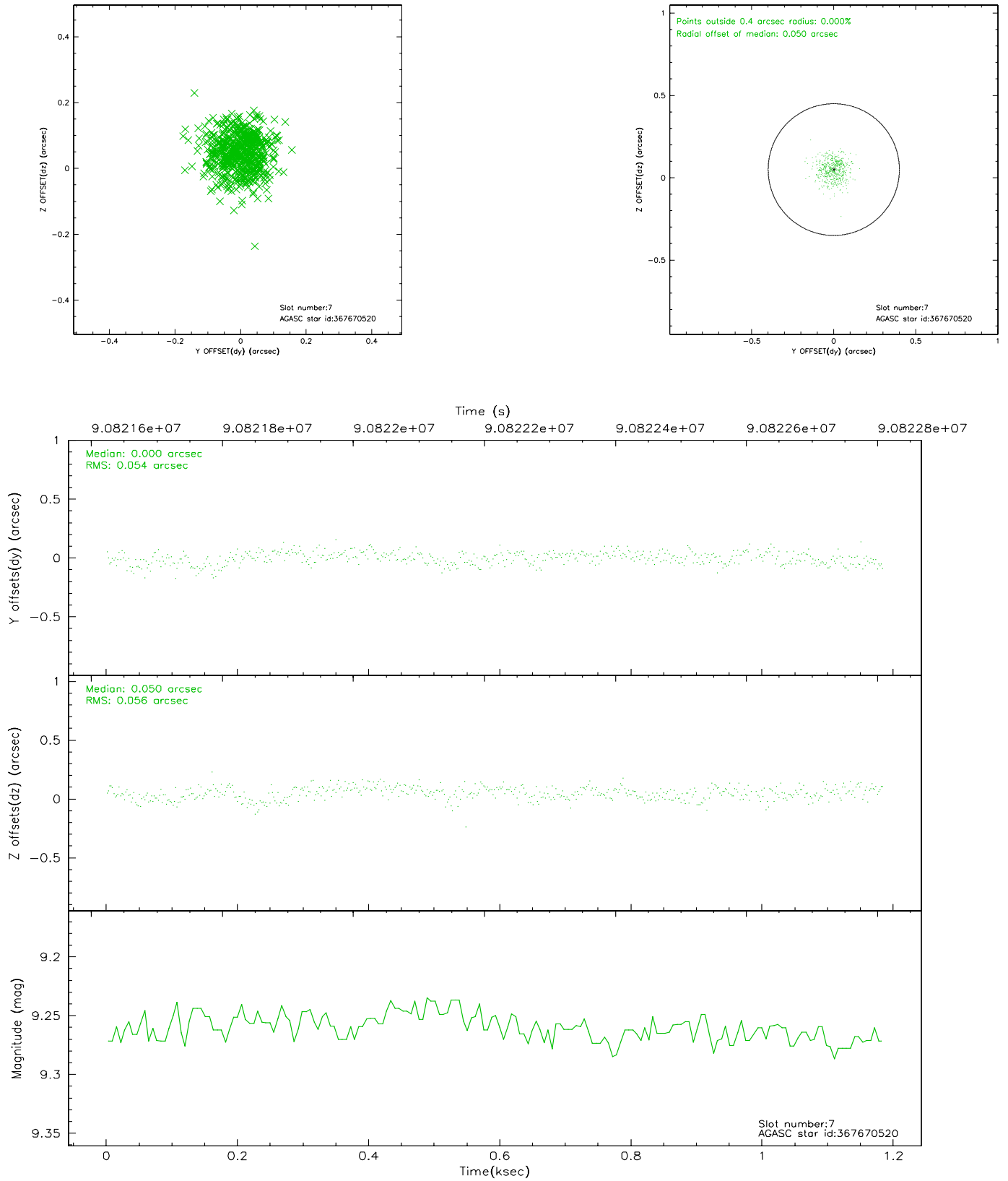
2.4.3 Slot 5



2.4.4 Slot 6

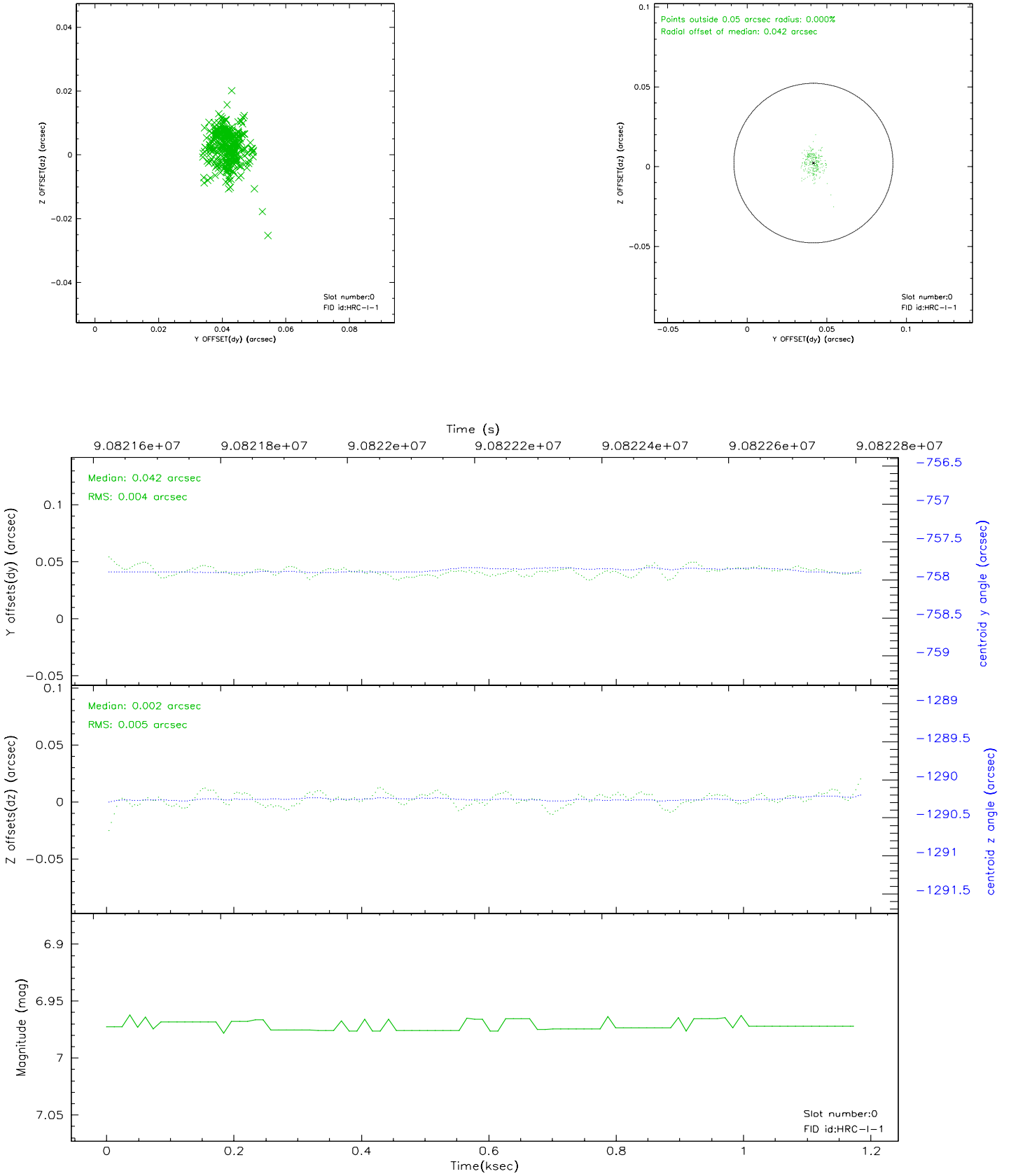


2.4.5 Slot 7

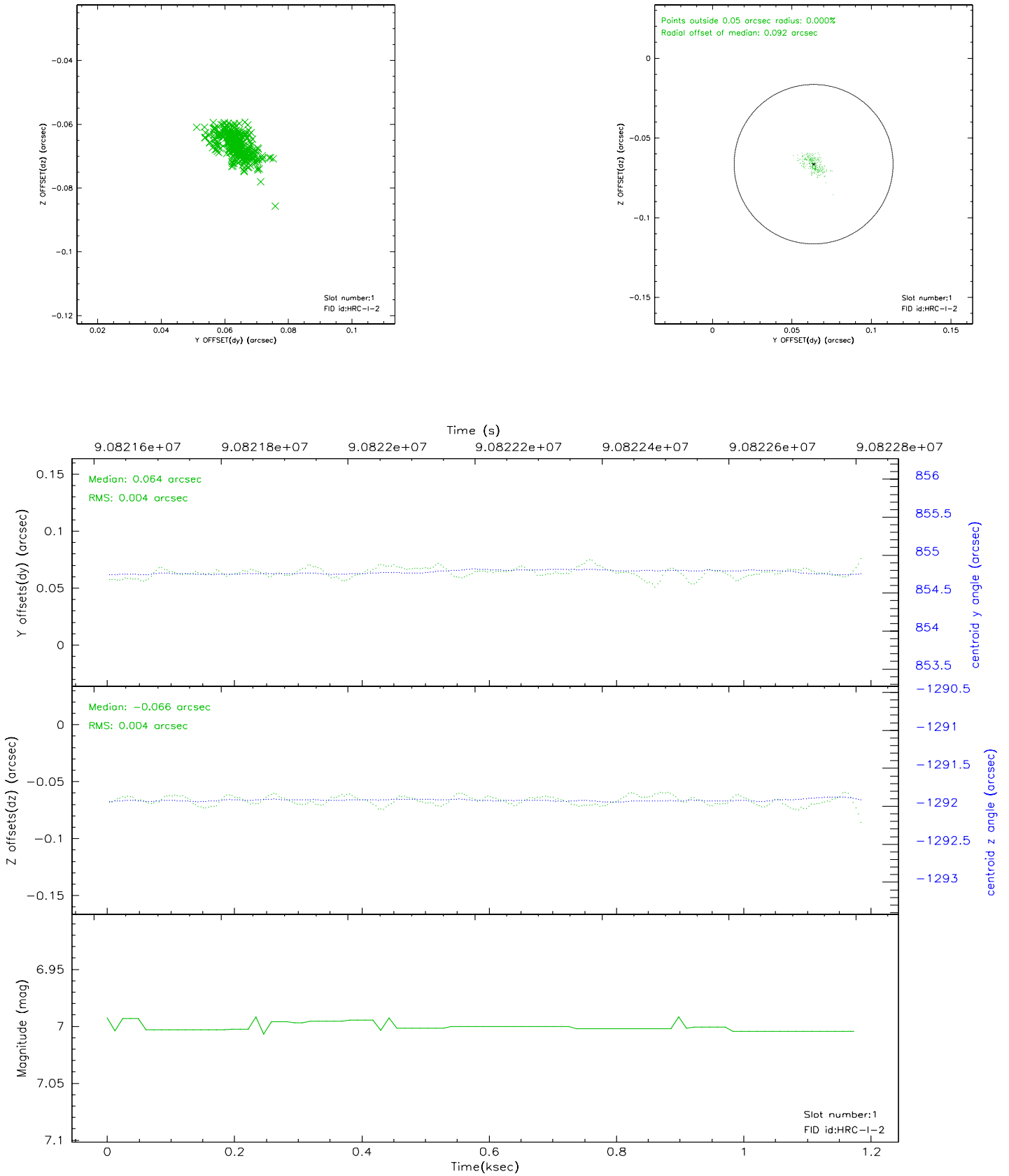


2.5 FID Slots

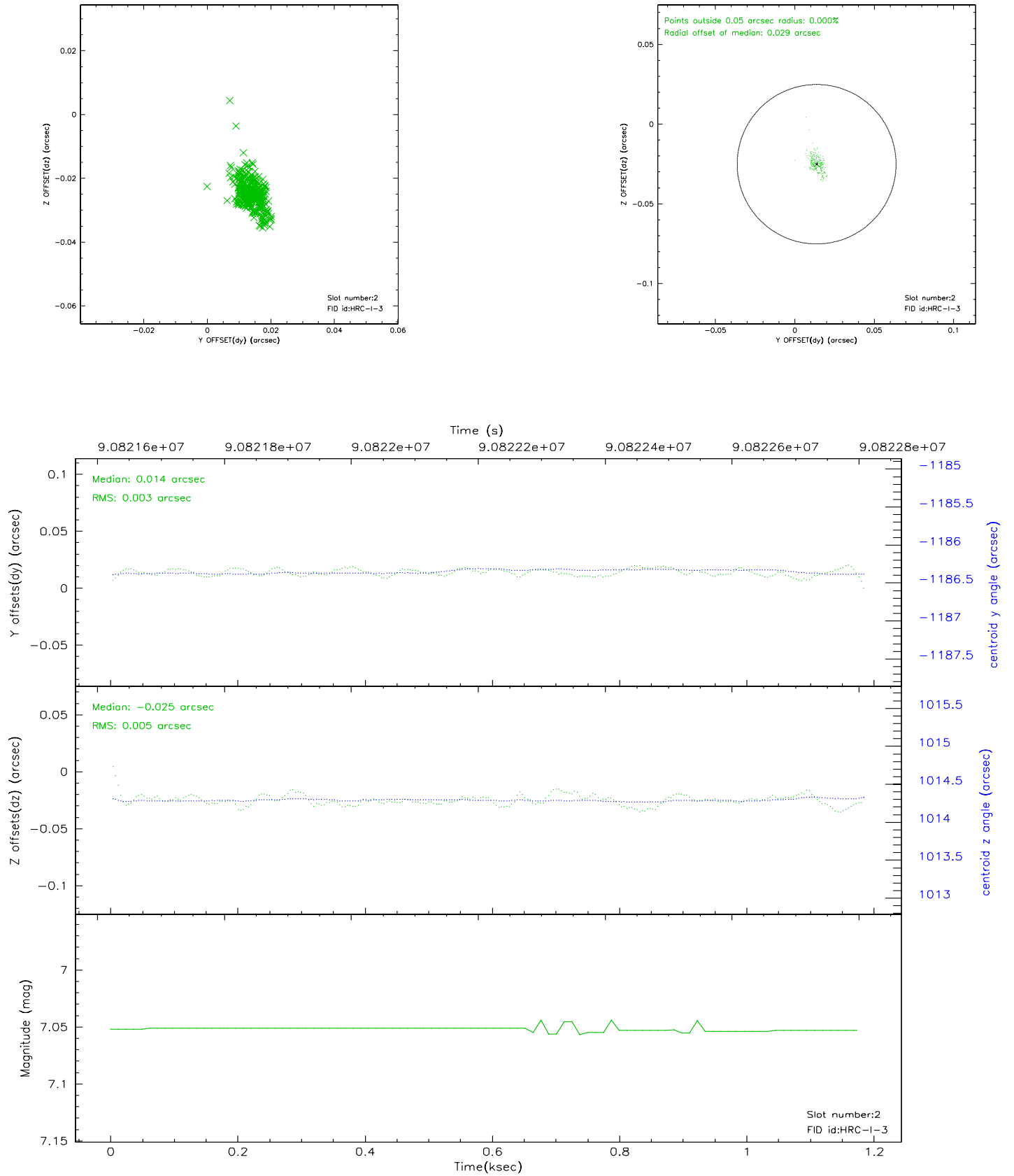
2.5.1 Slot 0



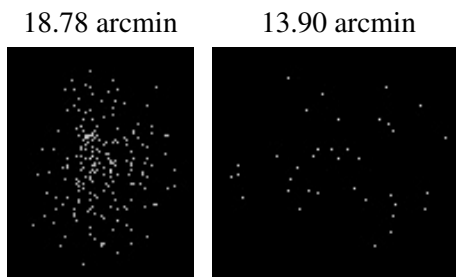
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.12.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.182

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.