

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 1566 - L2 Version 3
Chandra X-Ray Center

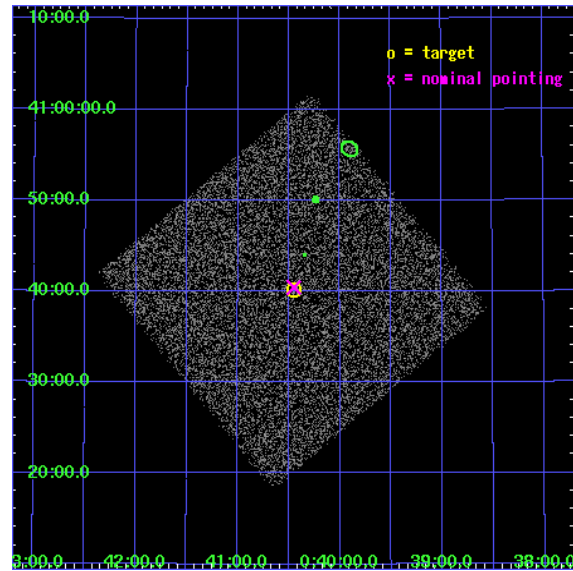
L2 Processing Date : Nov 21 2007

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

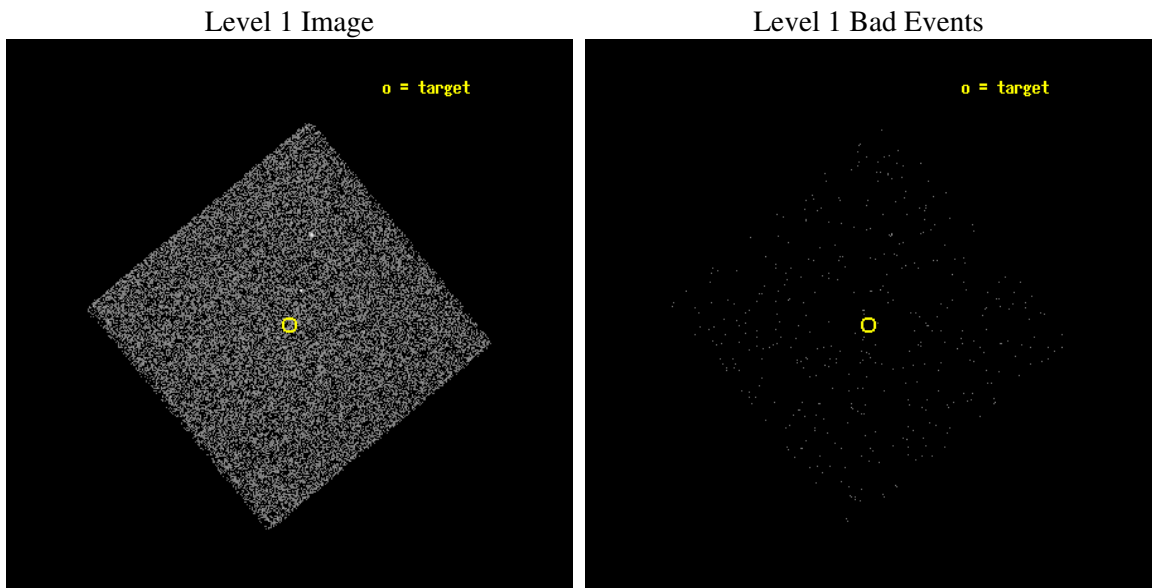
seq_num	600123
obs_id	1566
title	HRC MONITORING OF M31
observer	Dr. Stephen Murray
object	M31 - SOUTH 2
ra_targ	10.1125
dec_targ	40.67
ra_nom	10.112691143712
dec_nom	40.674233681639
roll_nom	95.370915194997
revision	3
ontime	871.50628395379
livetime	867.19983007498
l2events	21366



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	2007-11-21T09:24:59
revision	3

sched_exp_time	1000.000000
ontime	871.50628395379
l1events	38684

2.1.3 Events

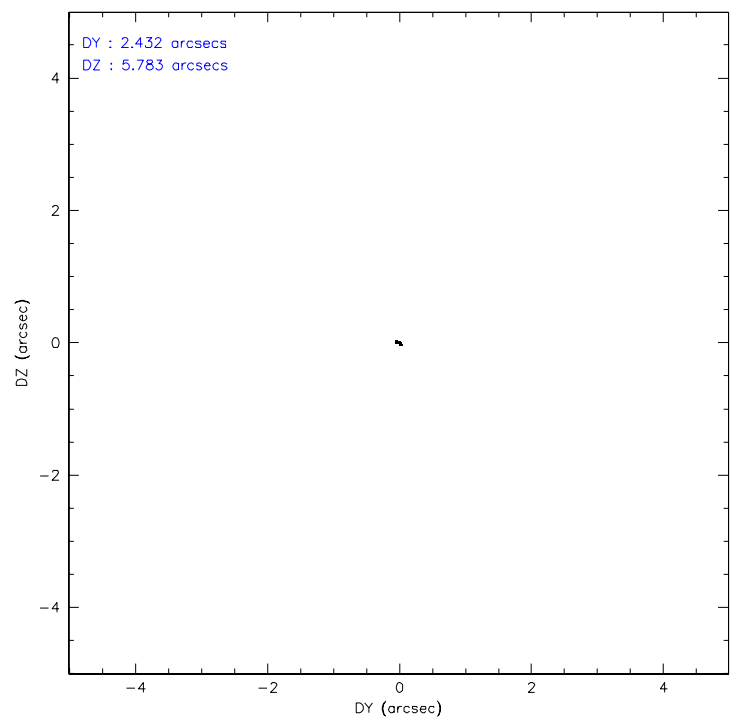
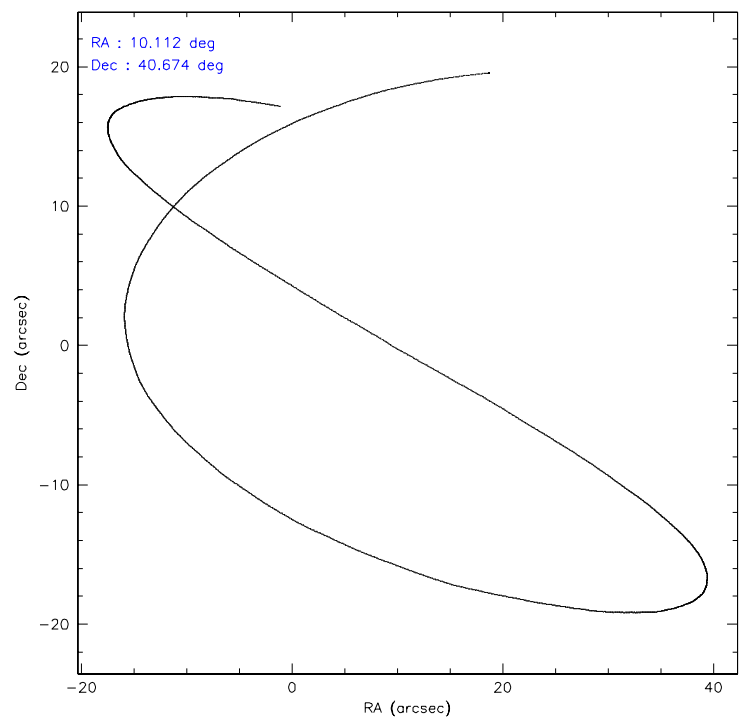
Level 1 Events

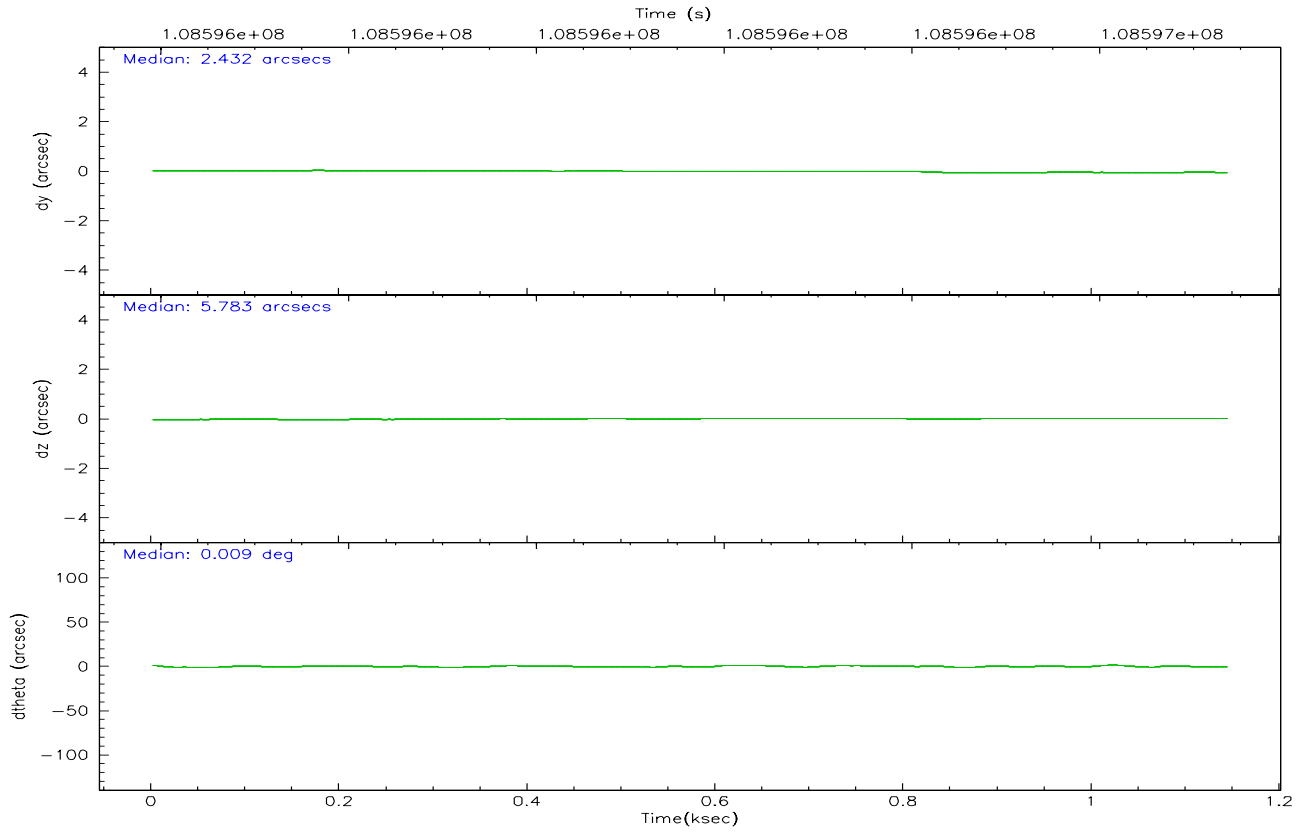
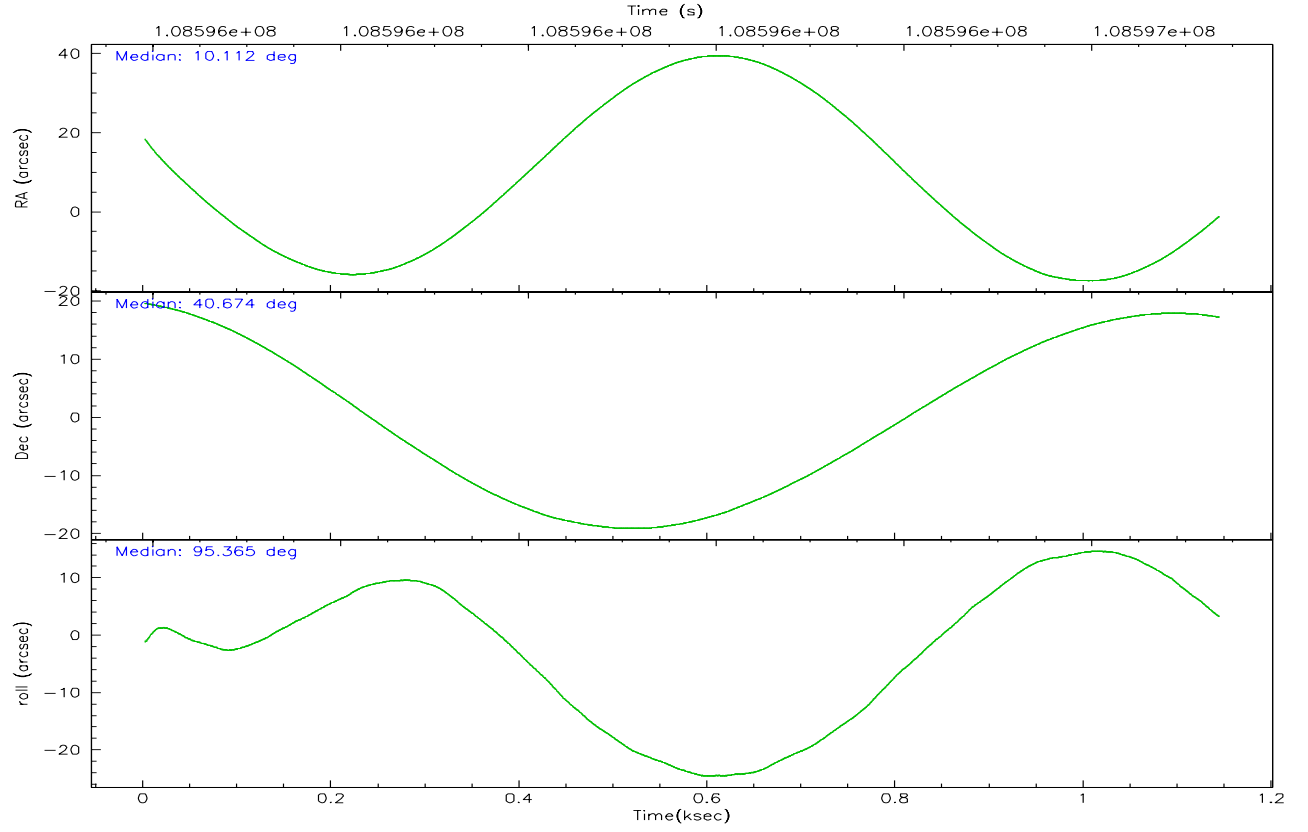
	segment 0
level 1 events	38684
rejected events	6707
rejected %	17%

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	10.135479	10.112691143712			
Pointing Dec	40.652247	40.6742336816386			
Pointing Roll	95.451462	95.37091519499678			
Window start time	108172864.184000	108172864.184000			
Window stop time	108691264.184000	108691264.184000			
SIM focus pos (mm)	-1.040293	-1.038866356238299			
SIM defocus (mm)	0	0.001426264420575141			
SIM translation stage pos (mm)	126.985494	126.9829799899862			
SIM translation stage offset (mm)	0	0.002508901615314585			
Observation start time	108595736.184000	108595329.8014			
Observation start date	2001-06-10T21:27:52	2001-06-10T21:22:09			
Observation end time	108596736.184000	108596870.88896			
Observation end date	2001-06-10T21:44:32	2001-06-10T21:47:50			

2.3 Aspect



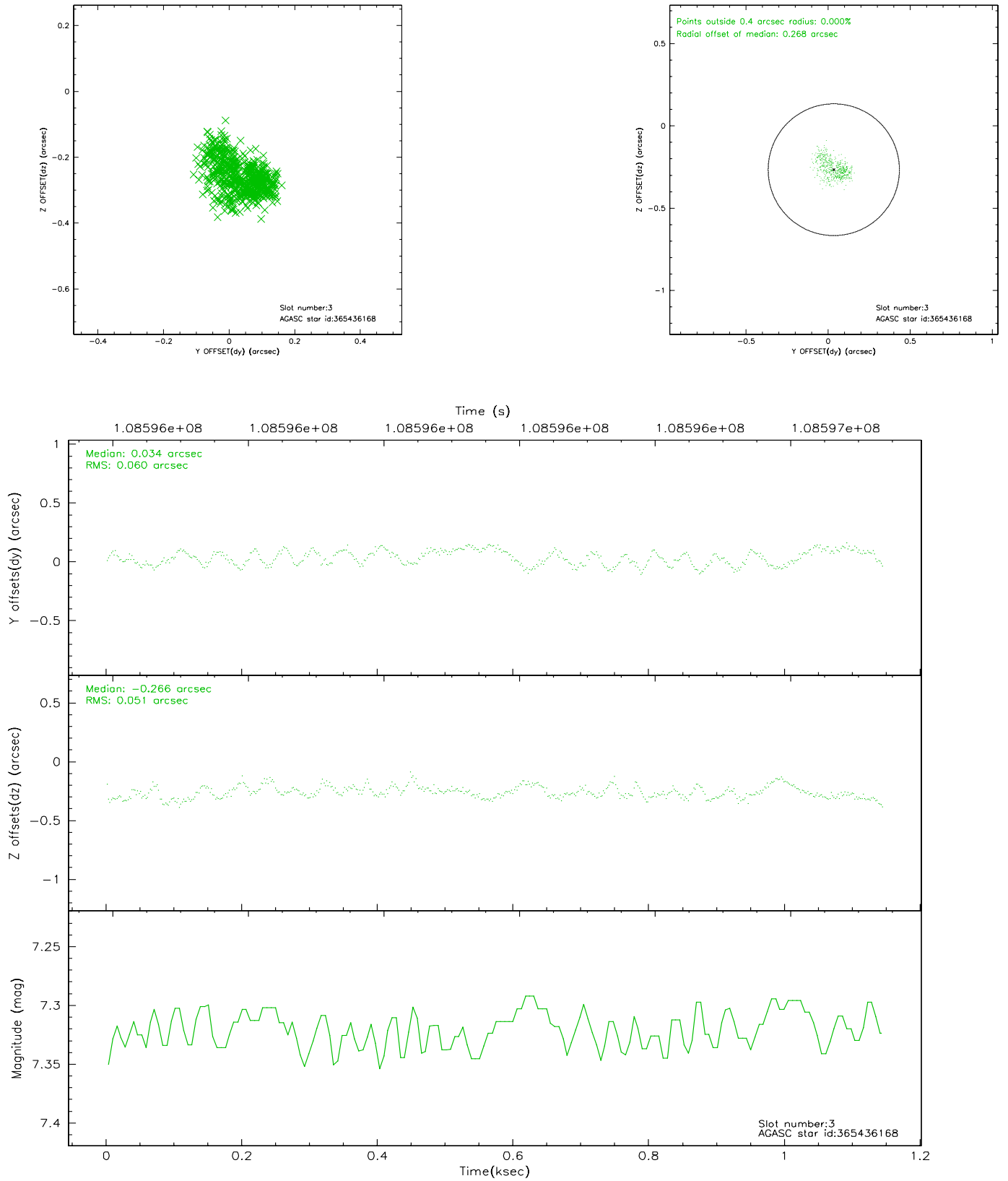


Slot Statistics

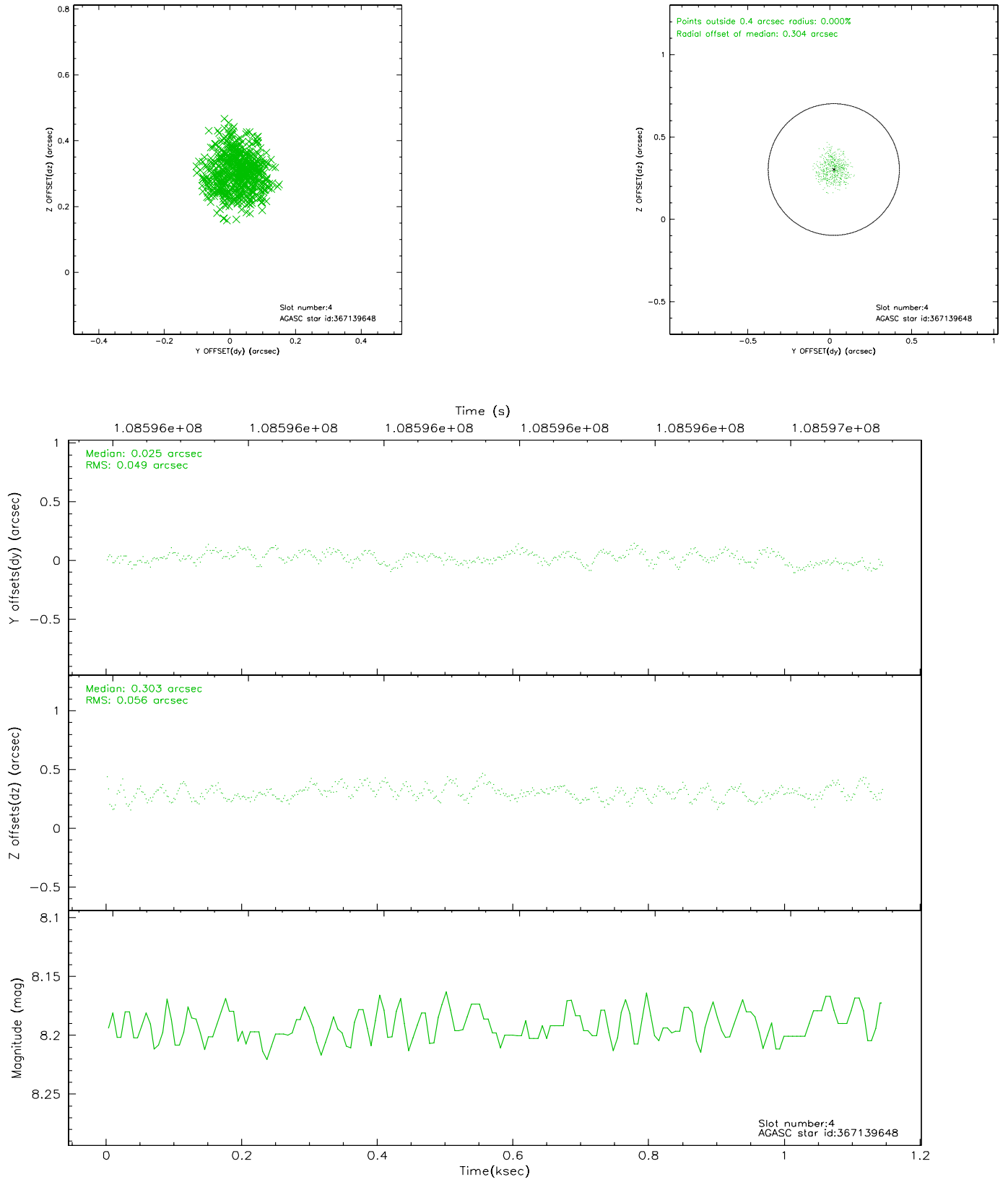
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.98	279	0.029	0.028	0.006	0.011	0.000000	0.000000	-757.86	-1293.56
1	FID	HRC-I-3	7.07	279	0.025	-0.085	0.007	0.011	0.000000	0.000000	-1189.06	1006.26
2	FID	HRC-I-4	7.02	279	0.060	-0.032	0.005	0.008	0.000000	0.000000	1280.71	1012.15
3	GUIDE	365436168	7.32	559	0.034	-0.266	0.085	0.129	9.360006	40.332380	-935.81	2223.63
4	GUIDE	367139648	8.19	559	0.025	0.303	0.082	0.123	11.021290	40.433909	-1003.12	-2341.63
5	GUIDE	365439720	8.48	559	0.015	-0.059	0.062	0.098	9.704623	40.431022	-680.43	1243.38
6	GUIDE	367144424	8.64	559	0.119	0.128	0.061	0.103	10.464515	40.309136	-1315.51	-782.82
7	GUIDE	365431072	9.00	555	-0.195	-0.126	0.074	0.123	9.376278	41.092224	1777.97	1894.92

2.4 Star Slots

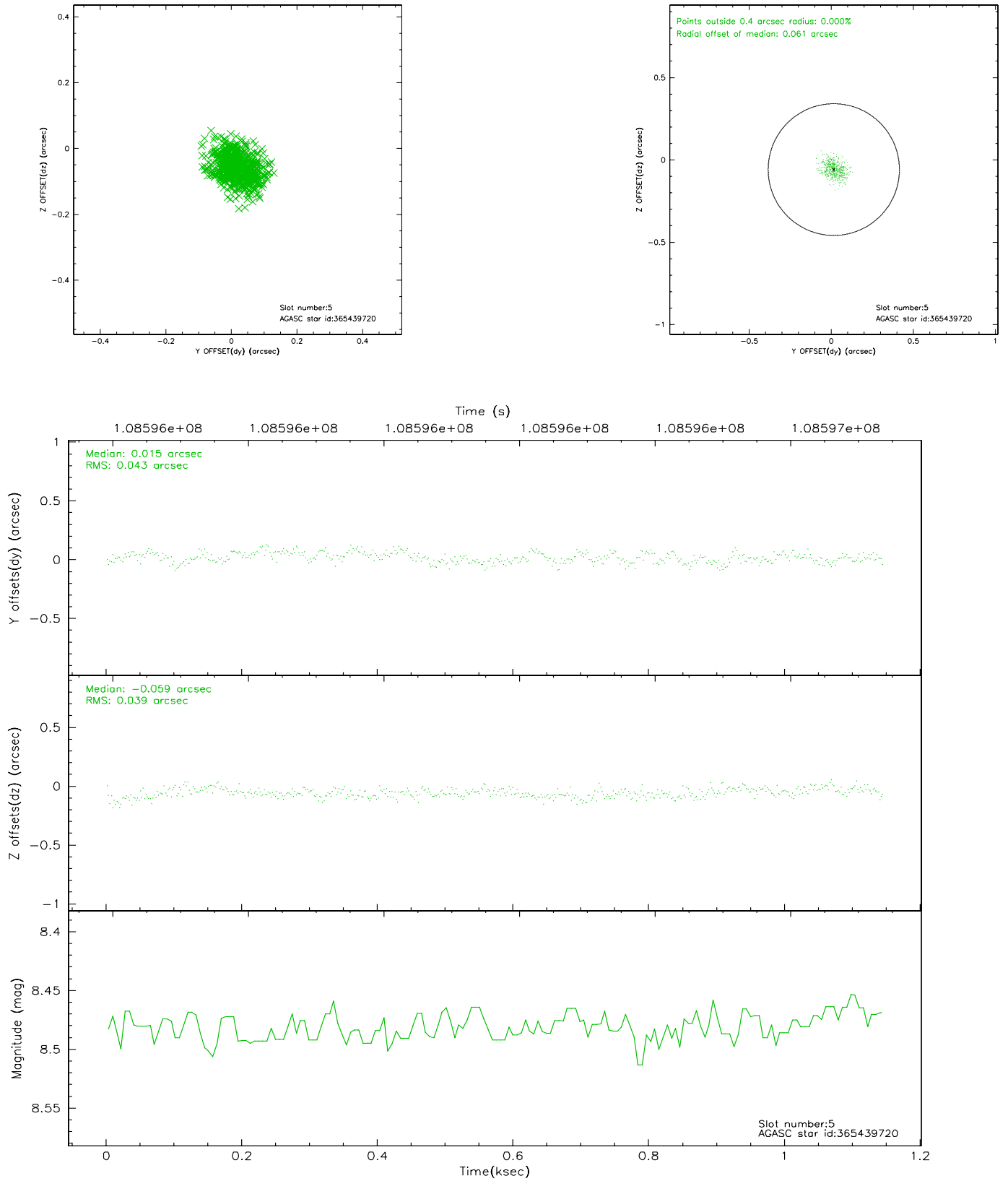
2.4.1 Slot 3



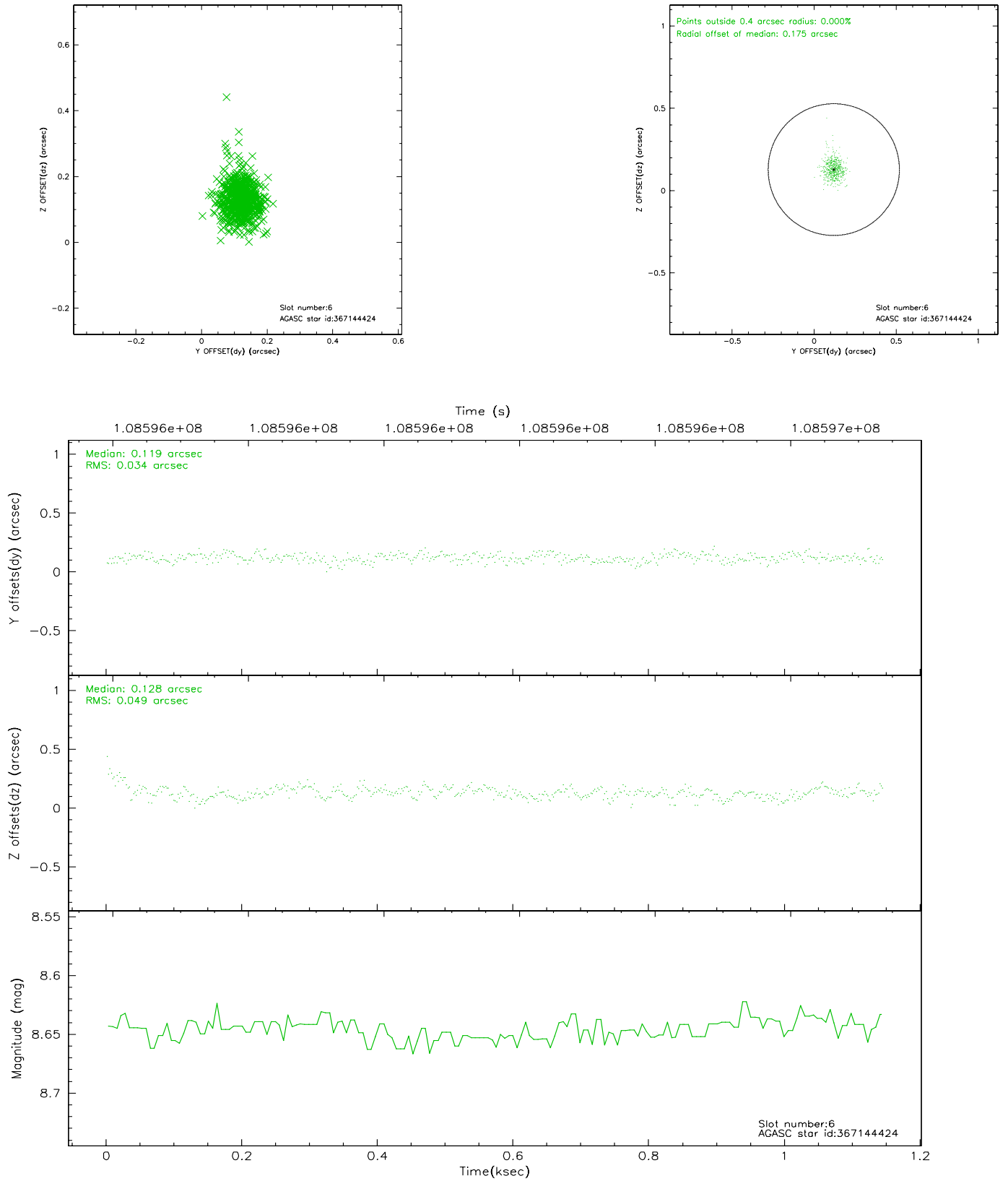
2.4.2 Slot 4



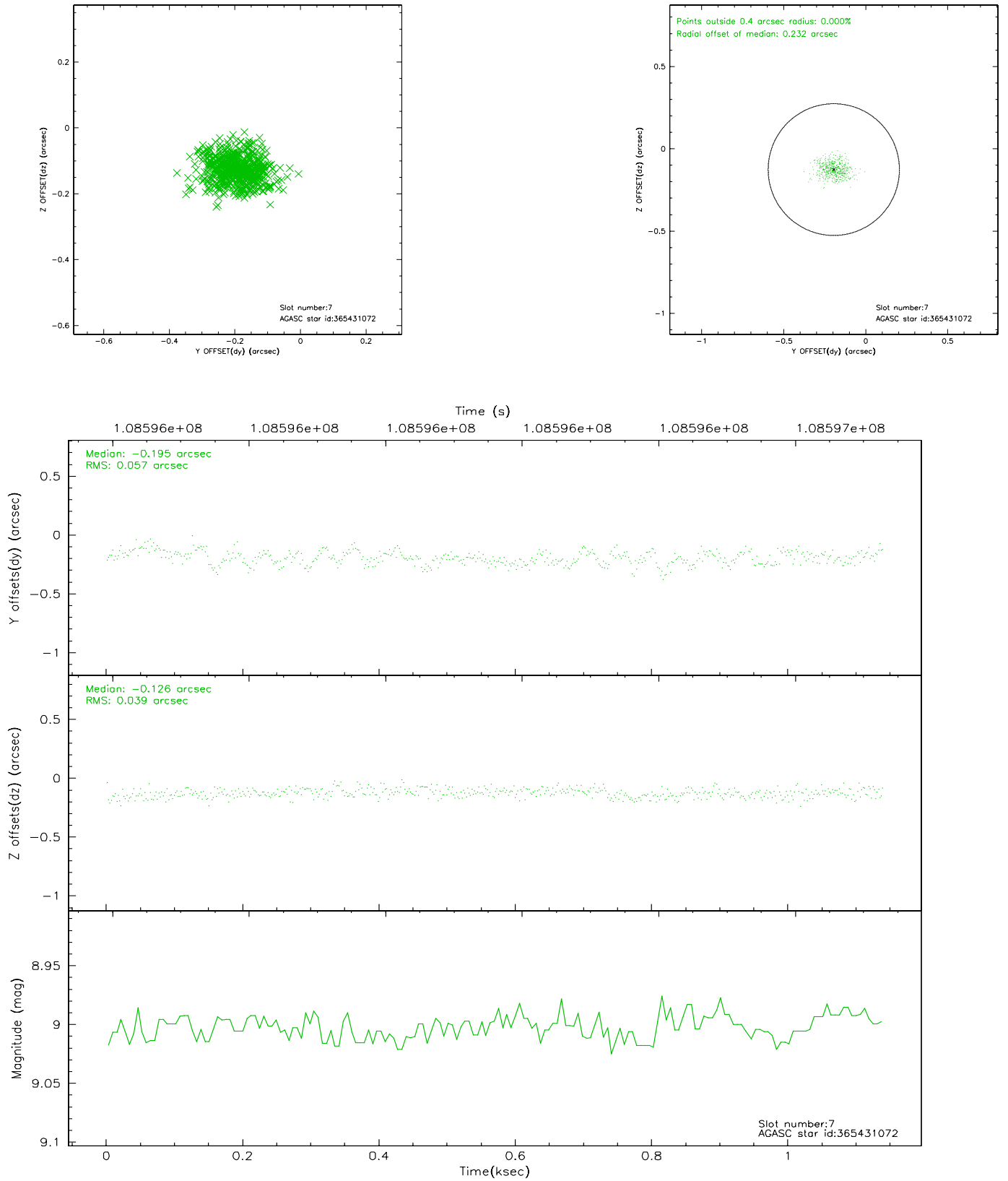
2.4.3 Slot 5



2.4.4 Slot 6

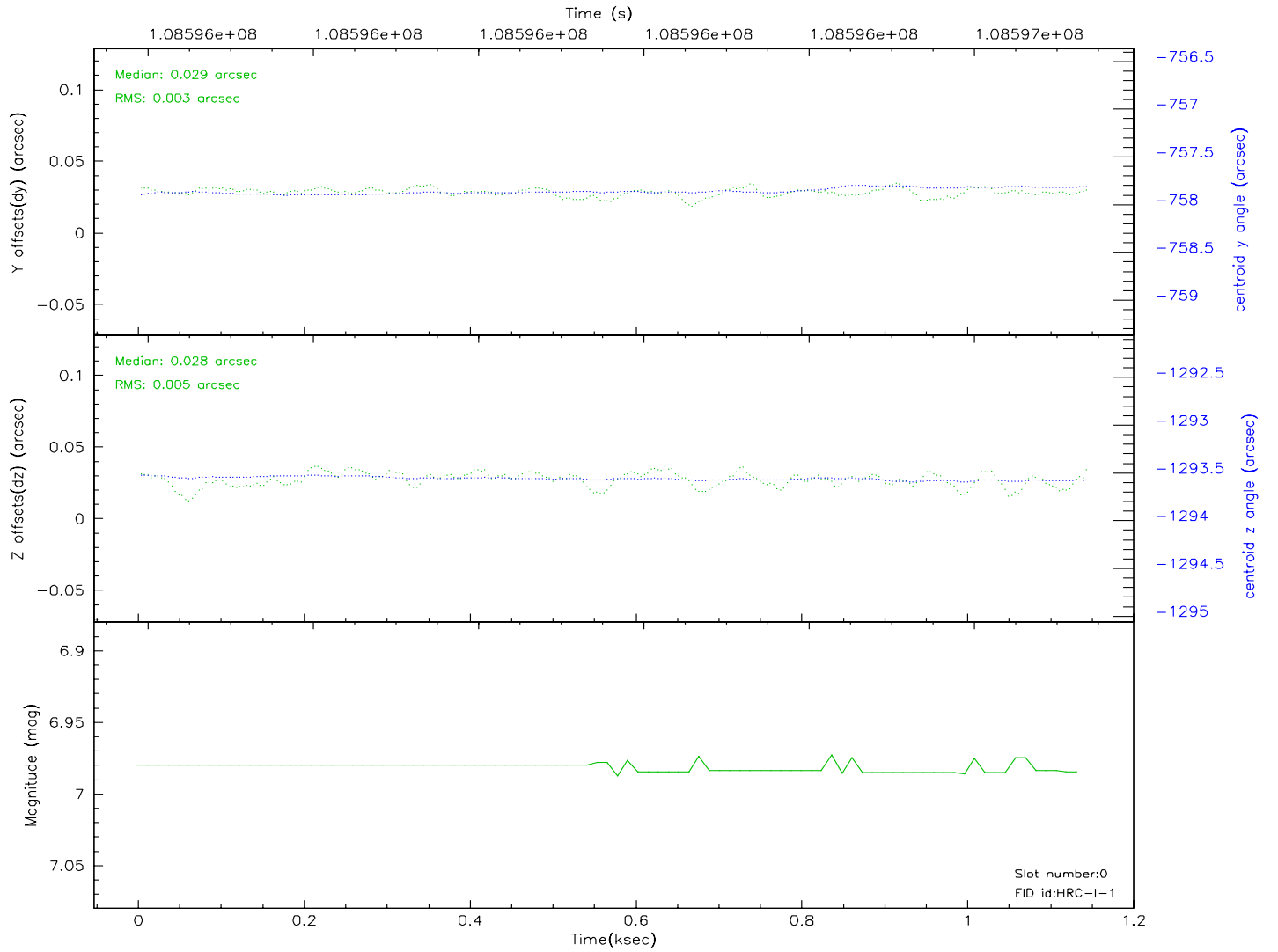
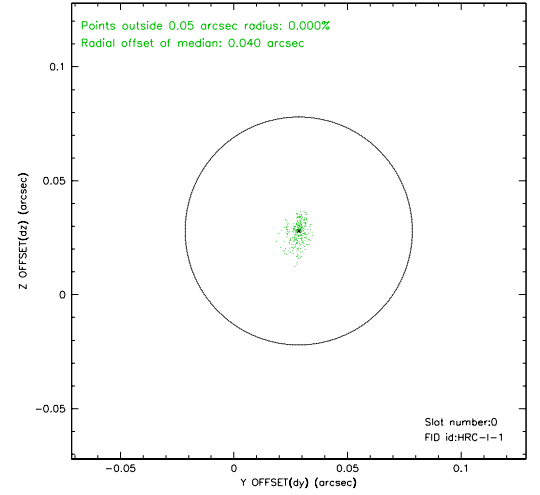
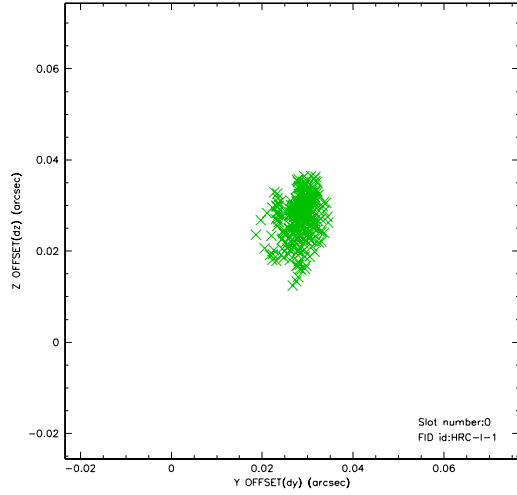


2.4.5 Slot 7

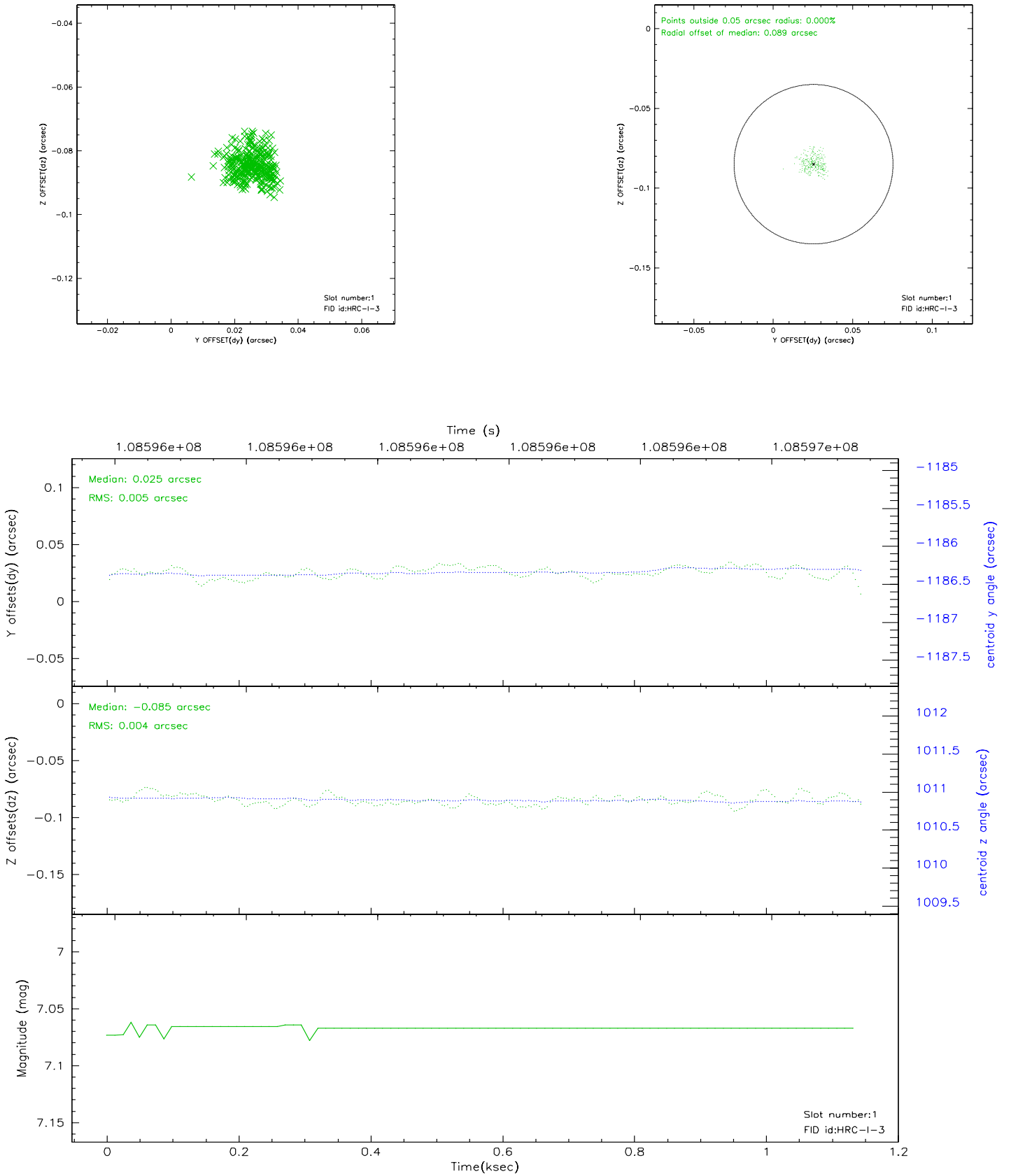


2.5 FID Slots

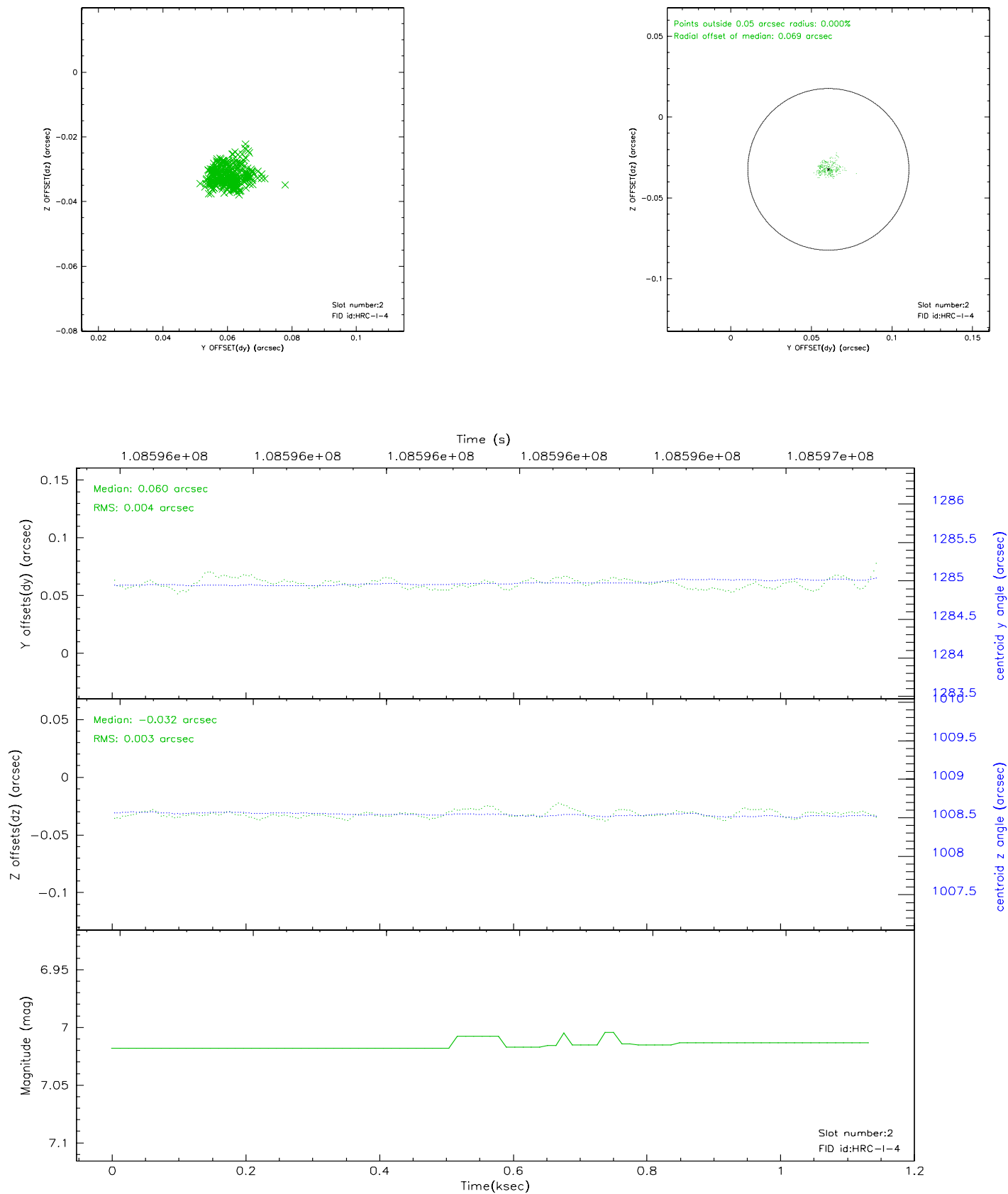
2.5.1 Slot 0



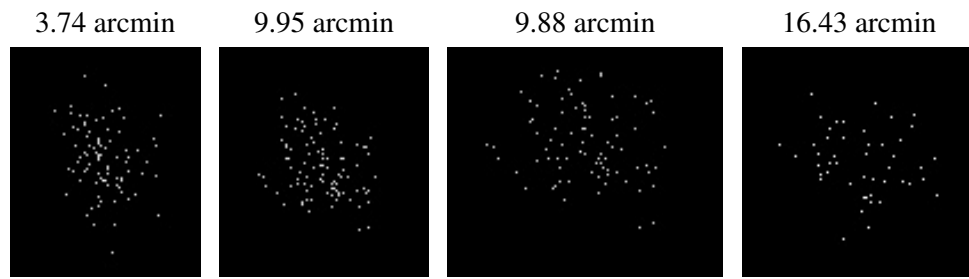
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.12.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.871

A.2 Comments

Window constraint met.

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.