

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 6199 - L2 Version 3
Chandra X-Ray Center

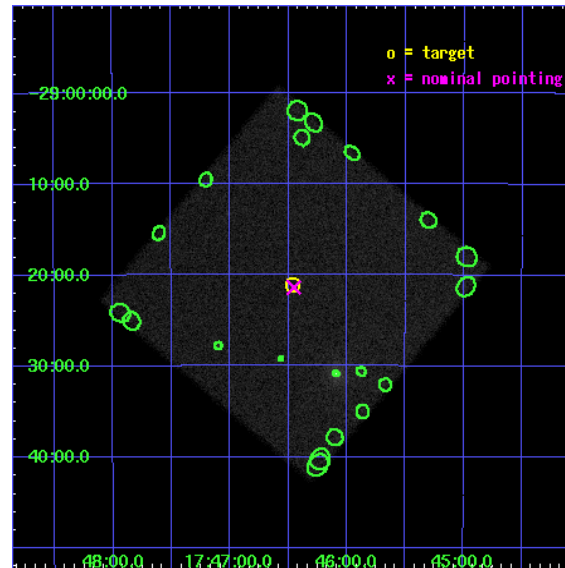
L2 Processing Date : Nov 24 2007

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

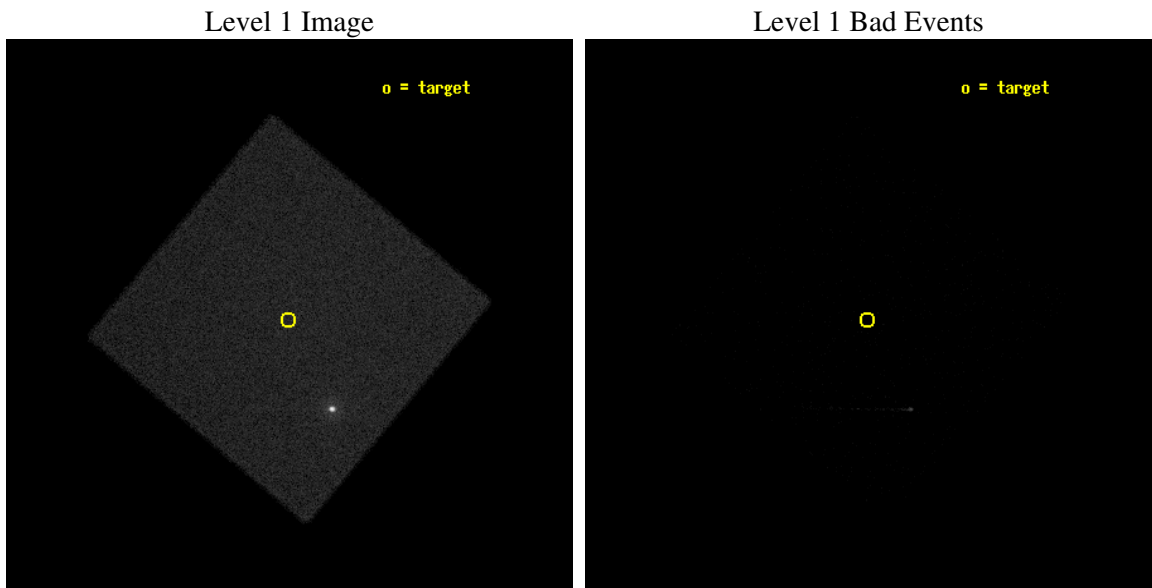
seq_num	400459
obs_id	6199
title	Monitoring observations of the Galactic Center region
observer	Dr. Rudy Wijnands
object	GC-9
ra_targ	266.615
dec_targ	-29.3525
ra_nom	266.61305044668
dec_nom	-29.35616567186
roll_nom	265.09933835573
revision	3
ontime	4384.1814520061
livetime	4350.7472910096
l2events	190834



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	2007-11-24T20:03:05
revision	3

sched_exp_time	4200.000000
ontime	4384.1814520061
l1events	297114

2.1.3 Events

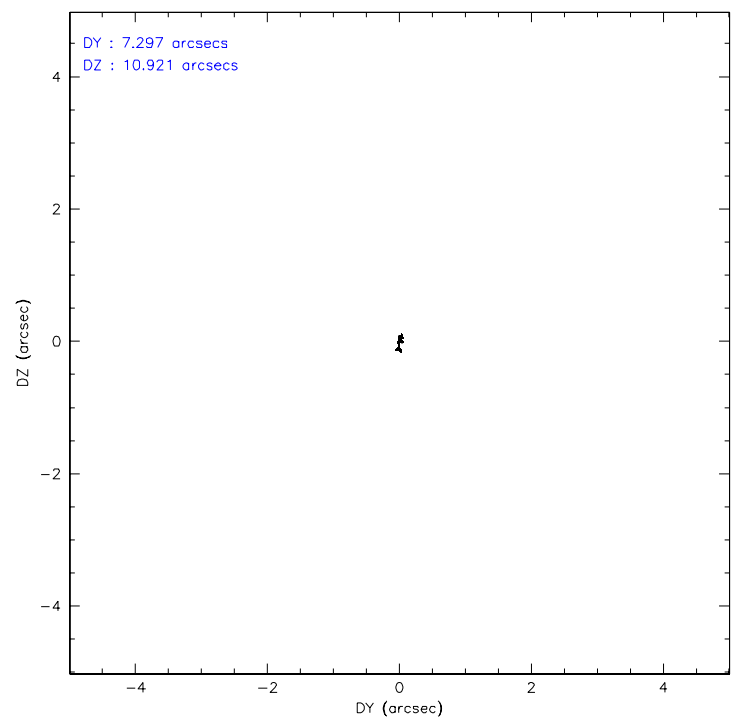
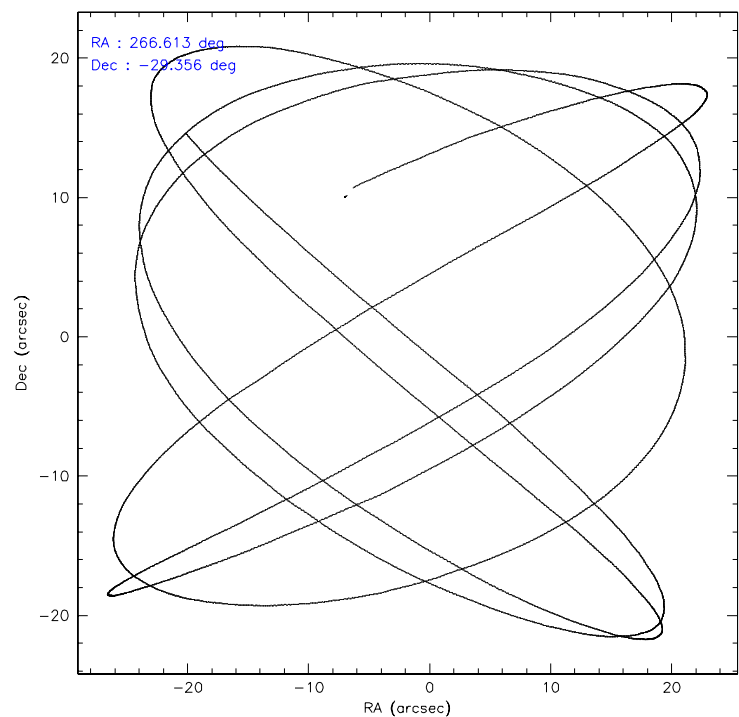
Level 1 Events

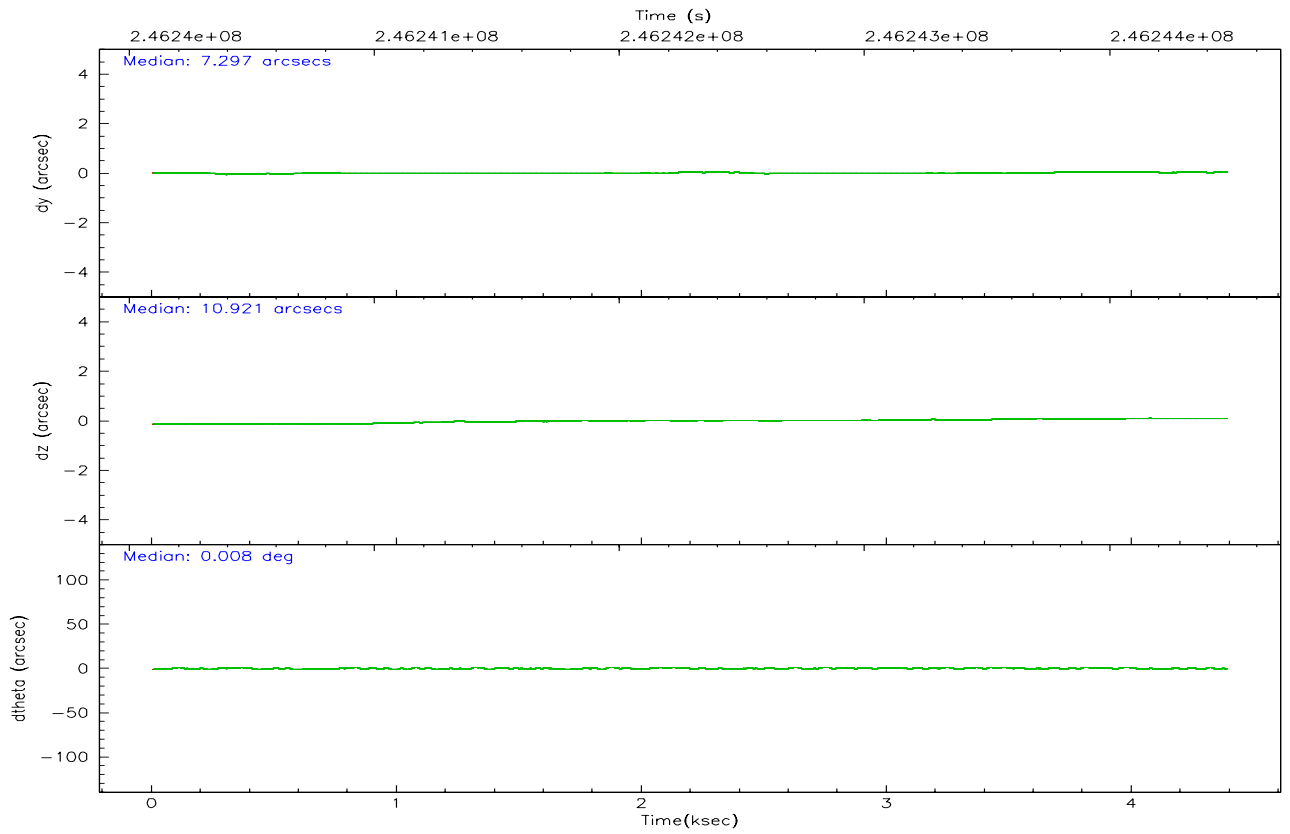
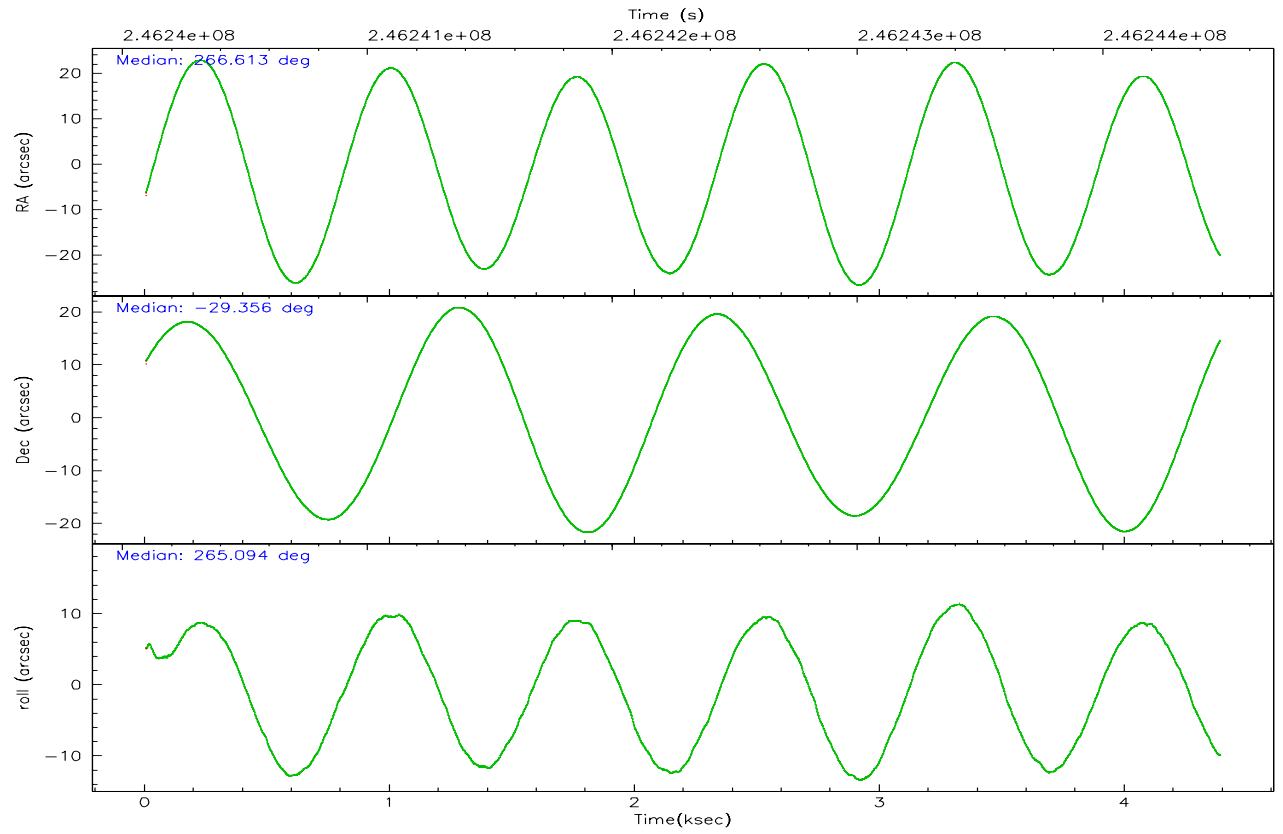
	segment 0
level 1 events	297114
rejected events	20454
rejected %	6%

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	266.598947	266.6130504466759			
Pointing Dec	-29.331920	-29.35616567186047			
Pointing Roll	265.187924	265.0993383557281			
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	246240288.184000	246239911.97854			
Observation start date	2005-10-21T00:03:44	2005-10-20T23:58:31			
Observation end time	246244488.184000	246244622.36626			
Observation end date	2005-10-21T01:13:44	2005-10-21T01:17:02			

2.3 Aspect



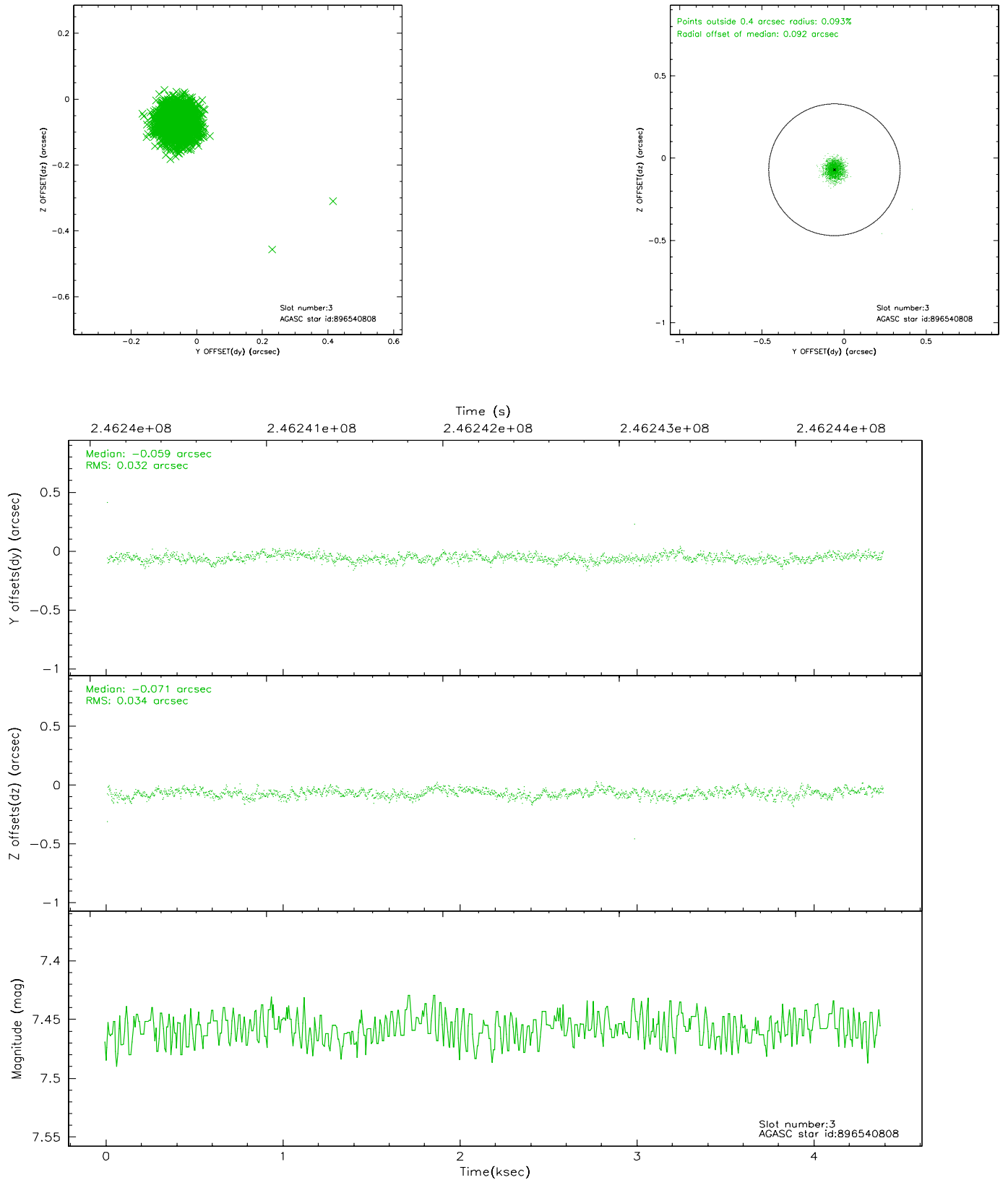


Slot Statistics

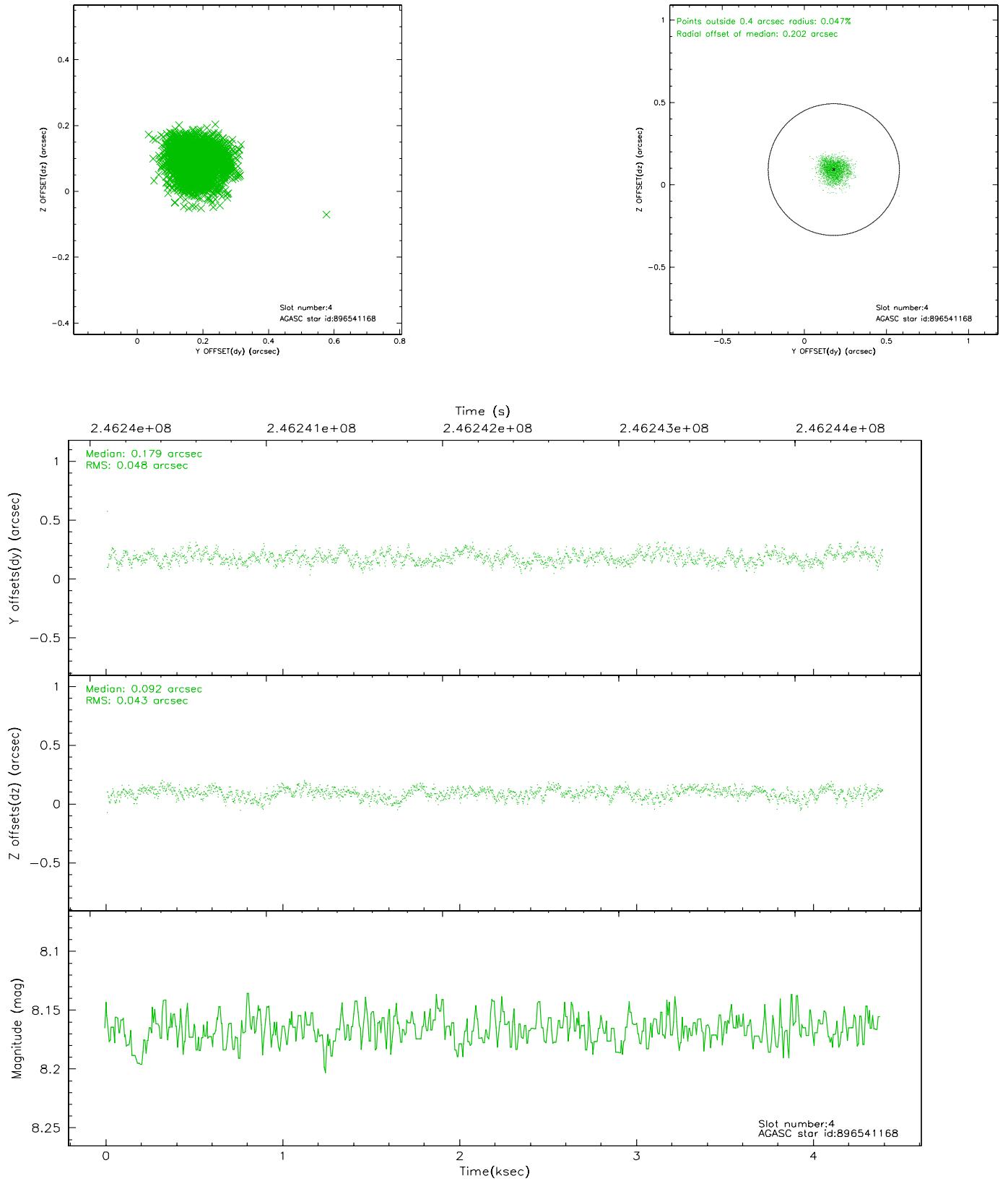
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.00	1070	-0.014	0.000	0.008	0.017	0.000000	0.000000	-762.90	-1298.87
1	FID	HRC-I-2	7.03	1070	0.113	-0.060	0.006	0.010	0.000000	0.000000	849.15	-1301.71
2	FID	HRC-I-3	7.08	1070	0.020	-0.030	0.007	0.013	0.000000	0.000000	-1190.57	1004.44
3	GUIDE	896540808	7.46	2140	-0.059	-0.071	0.048	0.076	265.985401	-29.308604	83.41	-1926.55
4	GUIDE	896541168	8.17	2140	0.179	0.092	0.069	0.107	266.319970	-29.850801	1936.19	-712.57
5	GUIDE	896541576	8.18	2138	-0.146	0.024	0.063	0.101	267.051055	-28.762912	-2157.24	1249.03
6	GUIDE	896537176	8.03	2140	-0.088	0.007	0.058	0.091	266.498272	-28.678259	-2318.81	-514.55
7	GUIDE	896540528	8.28	2138	0.113	-0.052	0.082	0.135	267.368305	-29.314773	-257.04	2401.27

2.4 Star Slots

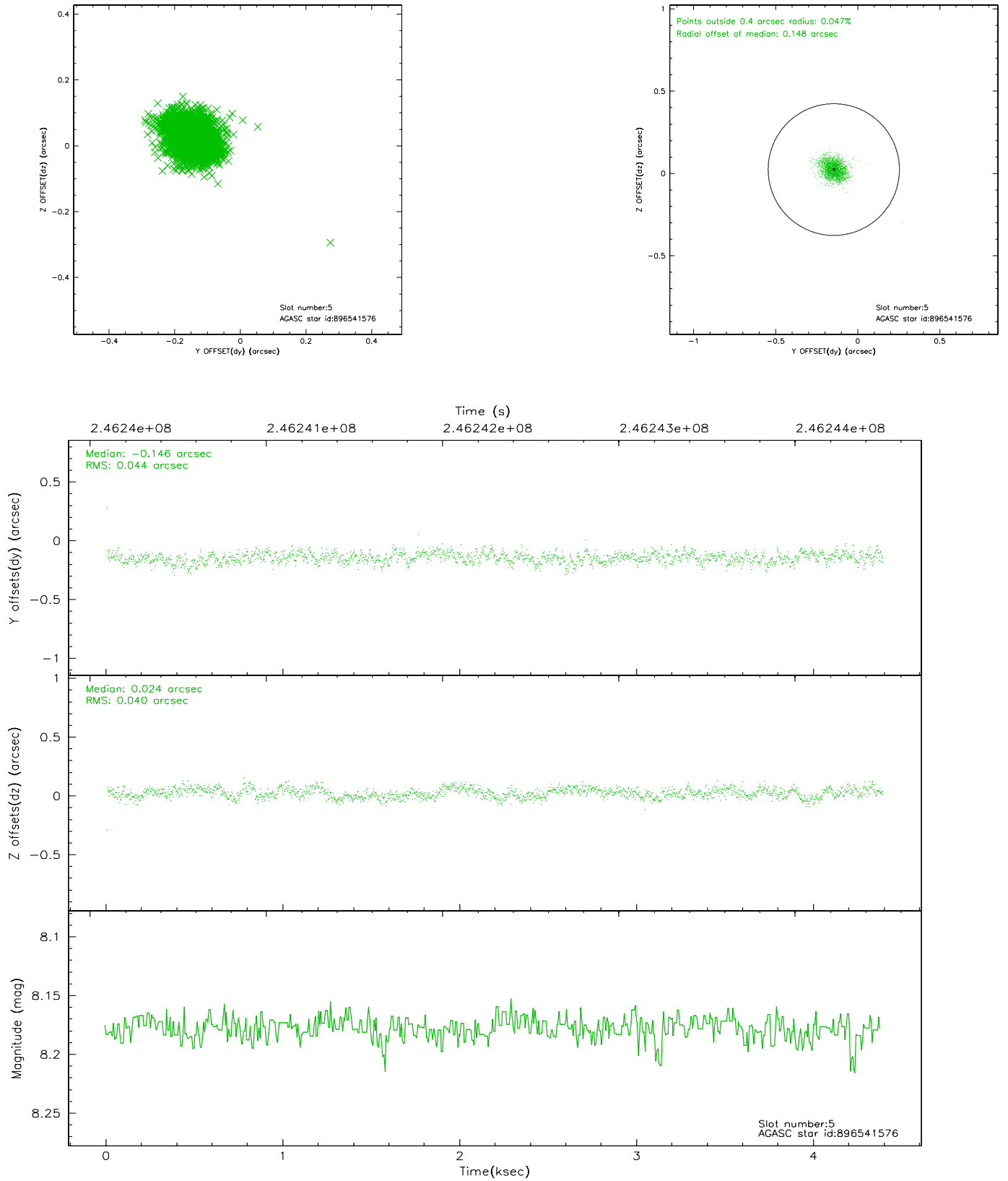
2.4.1 Slot 3



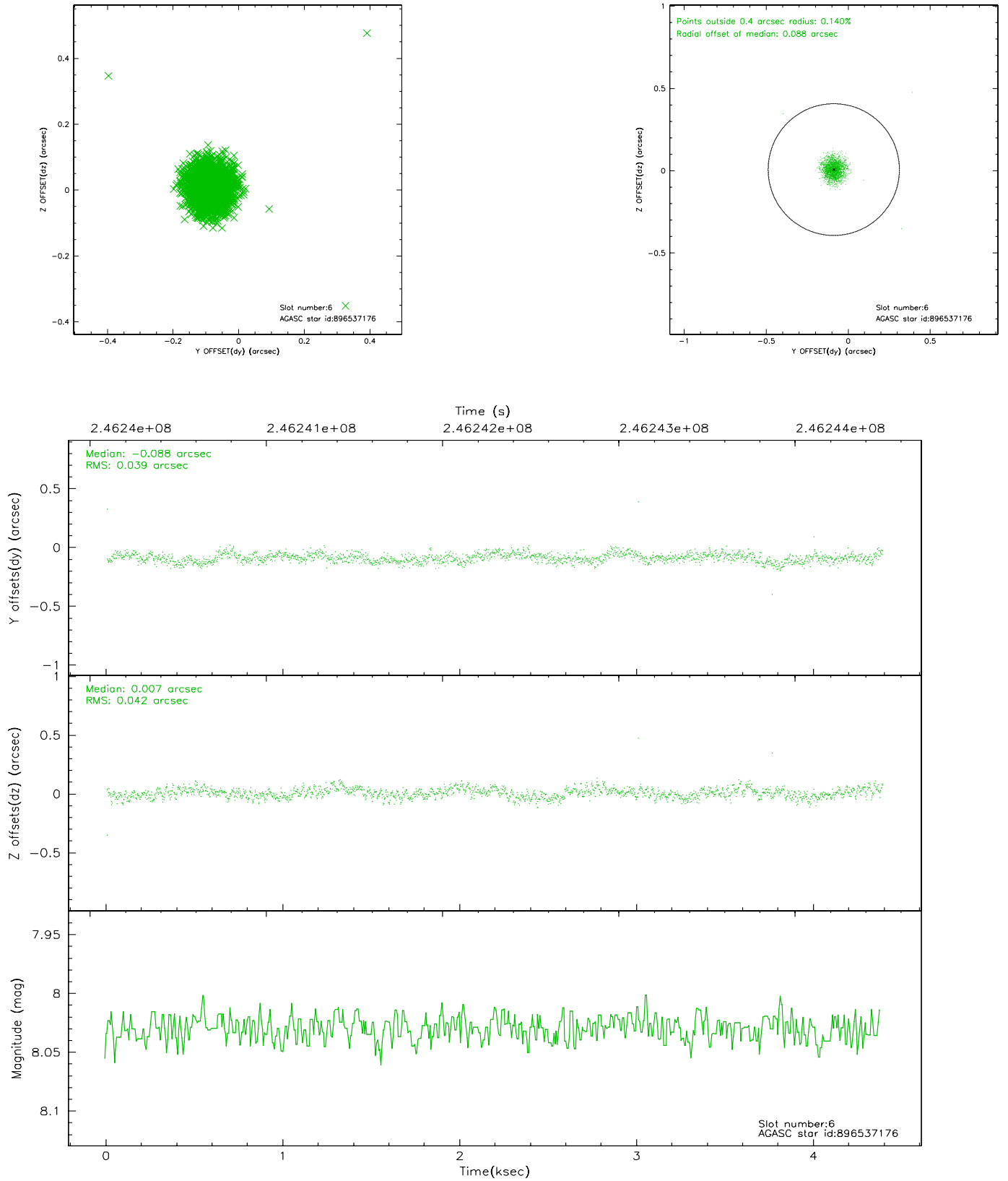
2.4.2 Slot 4



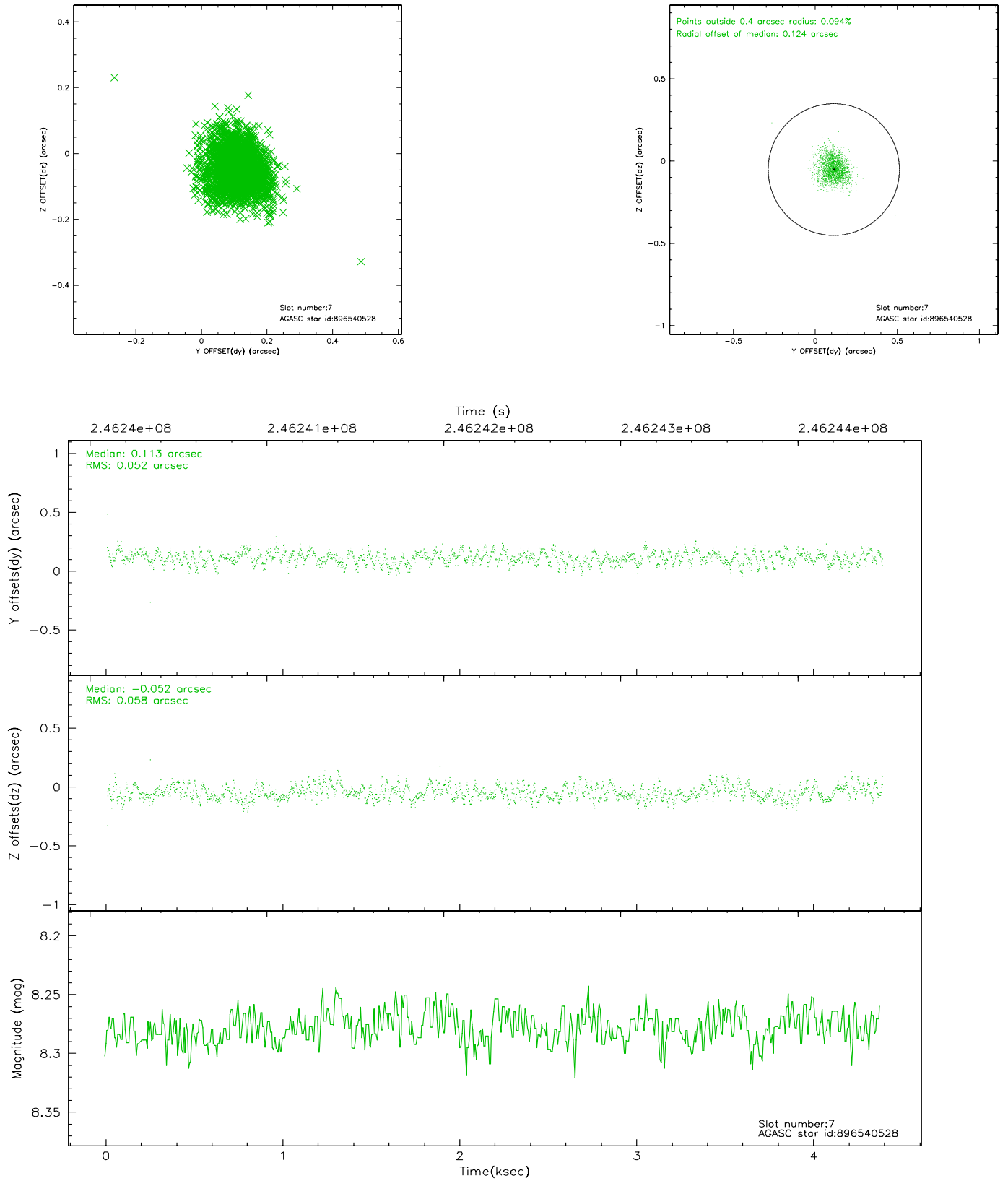
2.4.3 Slot 5



2.4.4 Slot 6

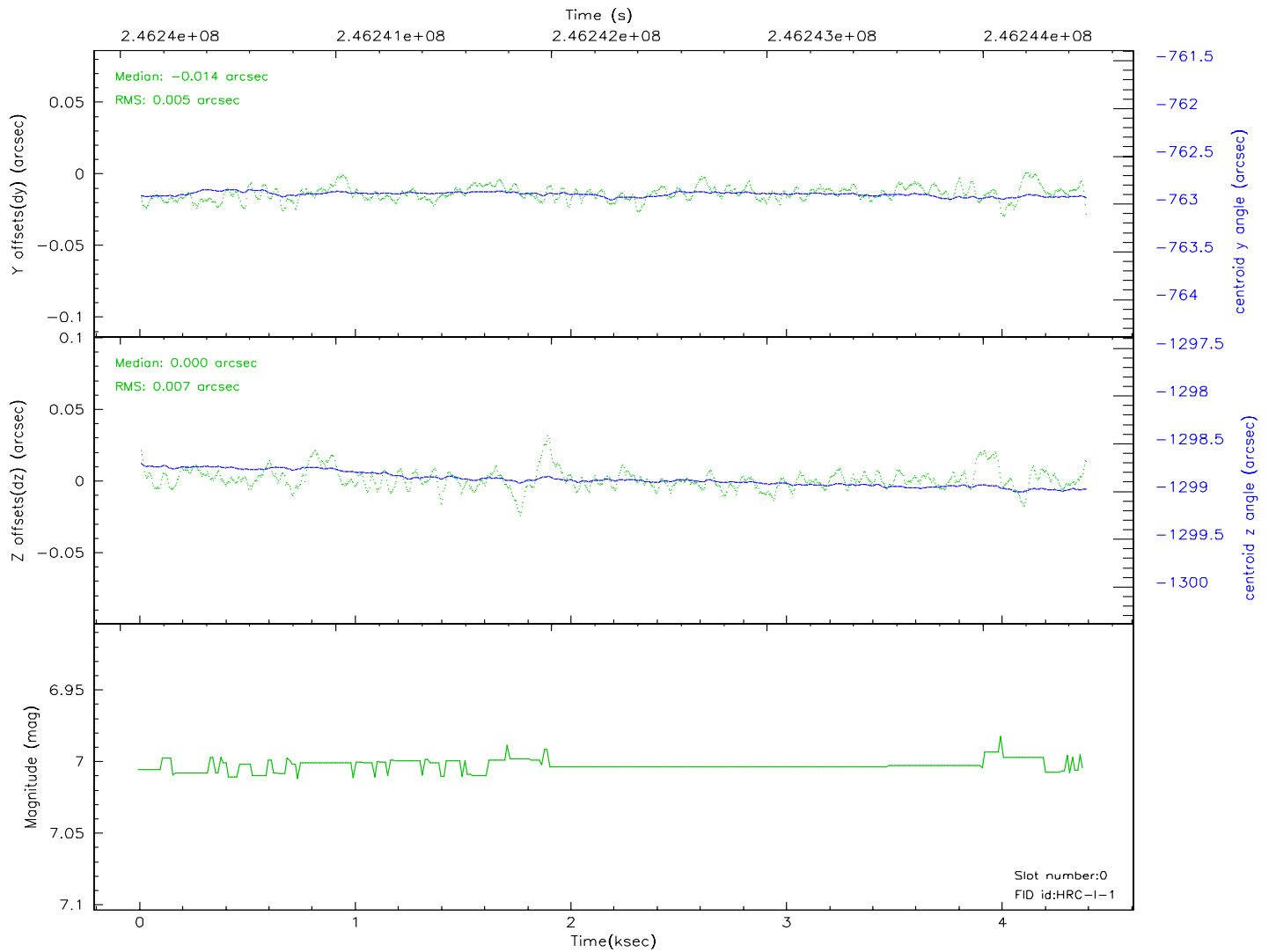
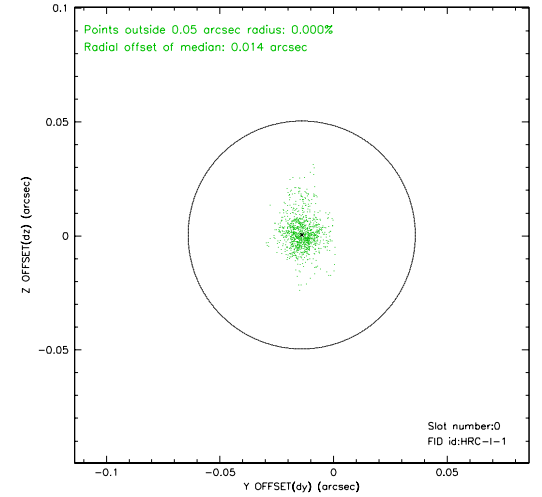
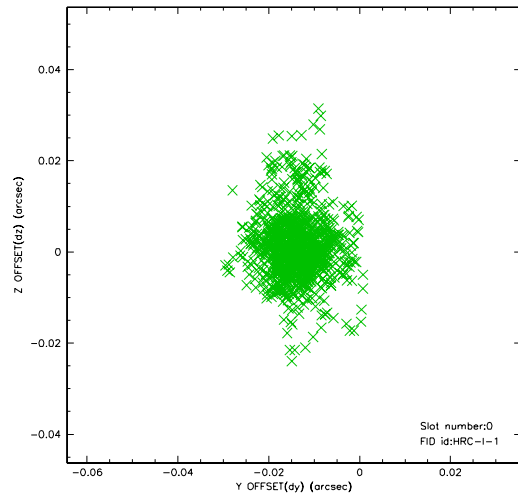


2.4.5 Slot 7

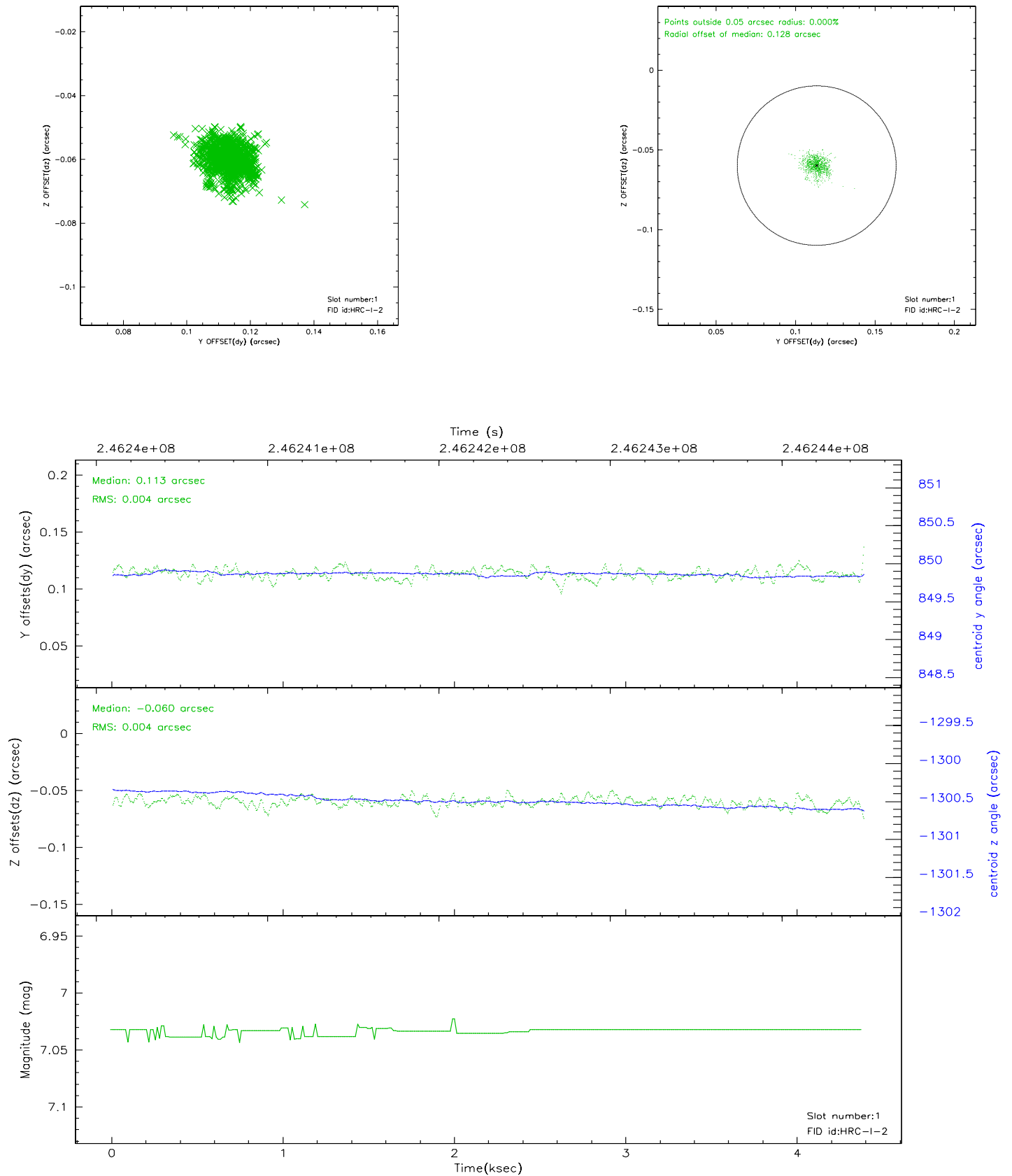


2.5 FID Slots

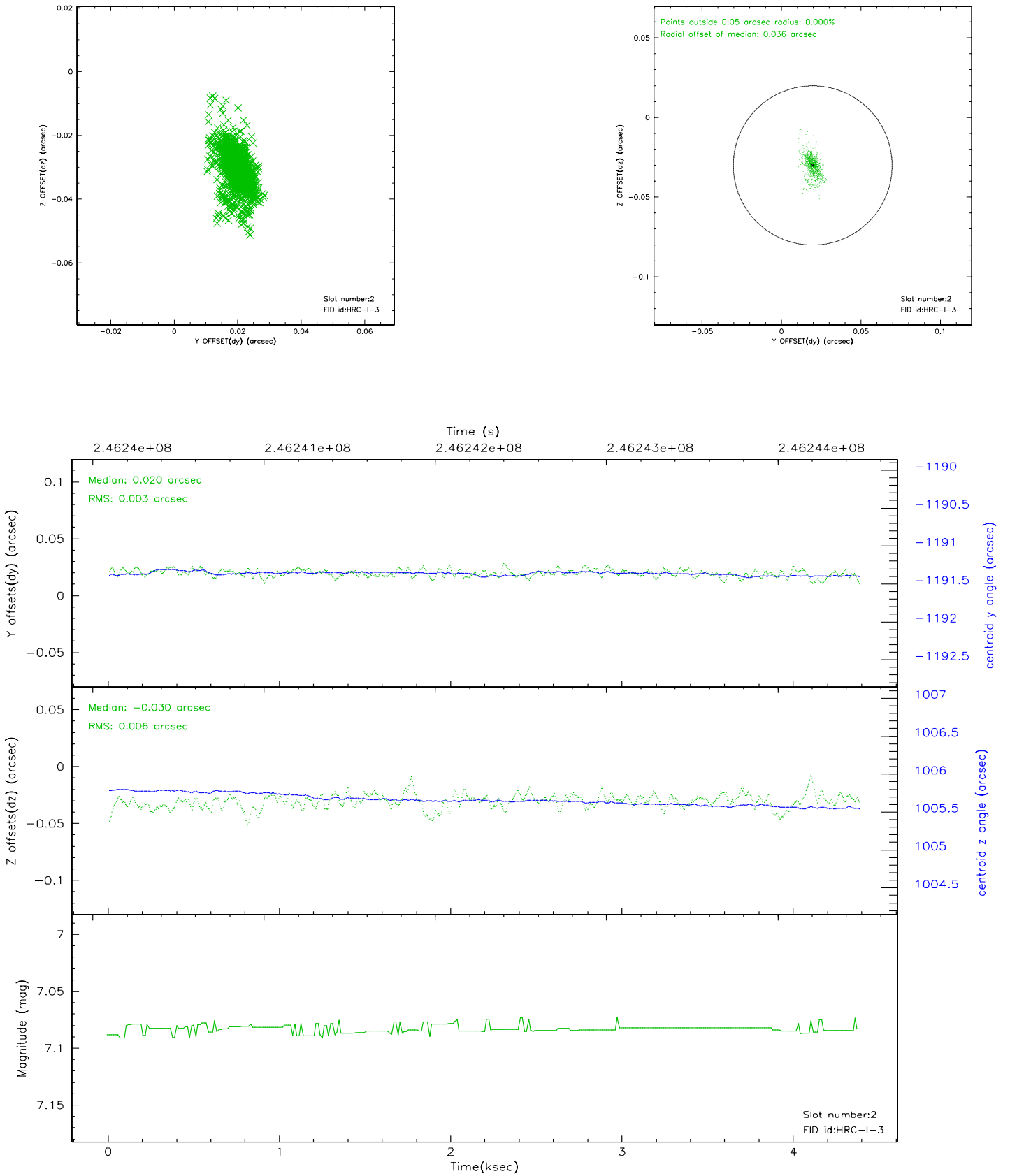
2.5.1 Slot 0



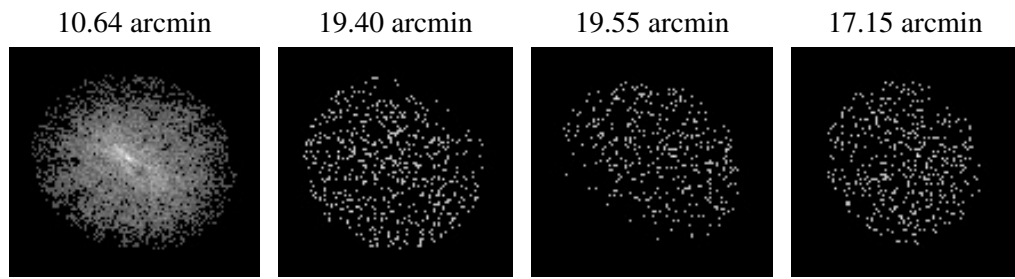
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.12.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.384181

A.2 Comments

Bad pixel map has a streak on the east/west direction at about $-29^{\circ} 31'$ declination. The streak is bright at the position of a bright source on the event image, which is normal. But the streak in the east-west direction is unusual. The count rate in the streak is very low, however.

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.