

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 4853 - L2 Version 3
Chandra X-Ray Center

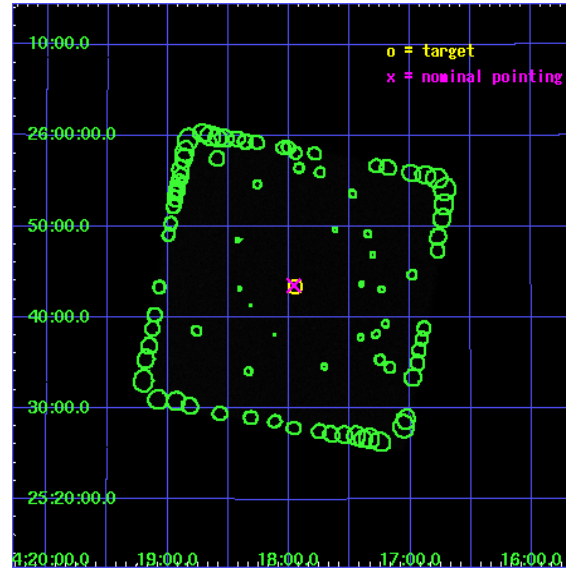
L2 Processing Date : Nov 23 2007

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

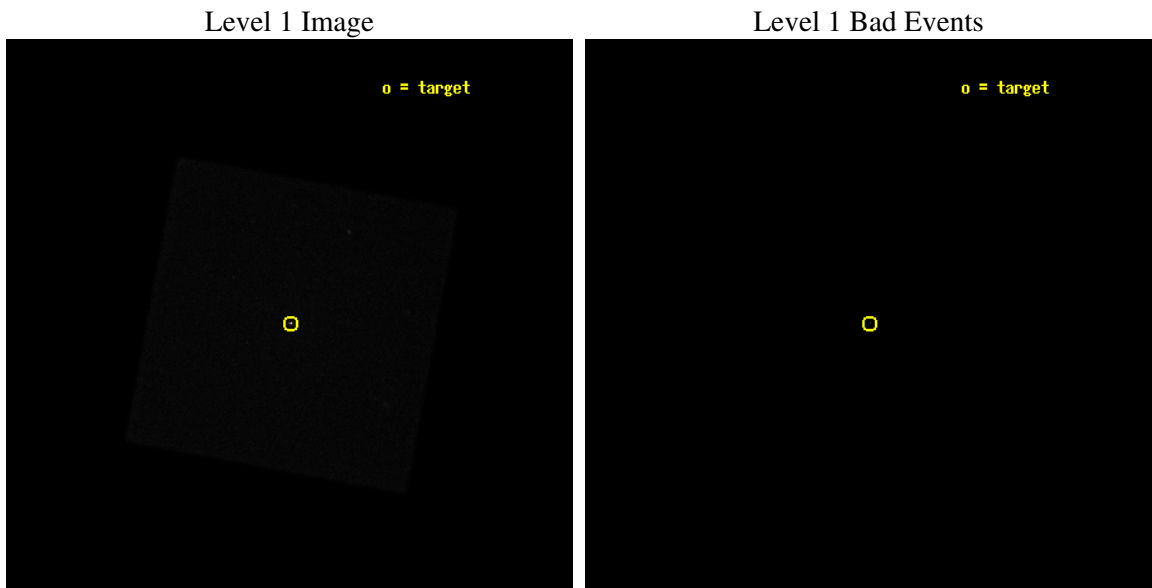
seq_num	700935
obs_id	4853
title	EXTENDED EMISSION AND ACCRETION RATES IN BL LACERTAE OBJECTS
observer	Dr. Rita Sambruna
object	1E 1415.6+2557
ra_targ	214.48625
dec_targ	25.723528
ra_nom	214.49009565551
dec_nom	25.725818813996
roll_nom	55.536423692062
revision	3
ontime	20165.082126856
livetime	20051.691821305
l2events	652963



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	2007-11-23T21:17:59
revision	3

sched_exp_time	20296.060000
ontime	20165.082126856
l1events	955862

2.1.3 Events

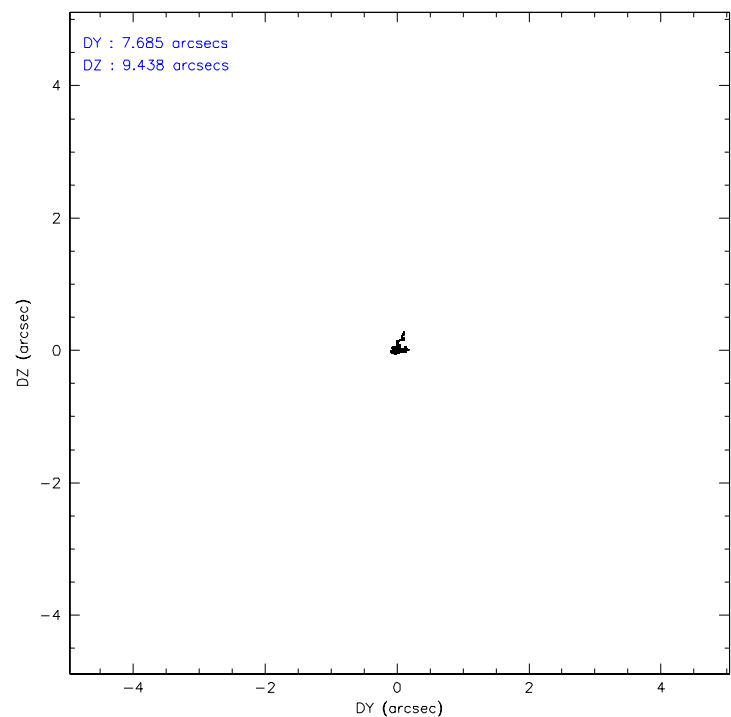
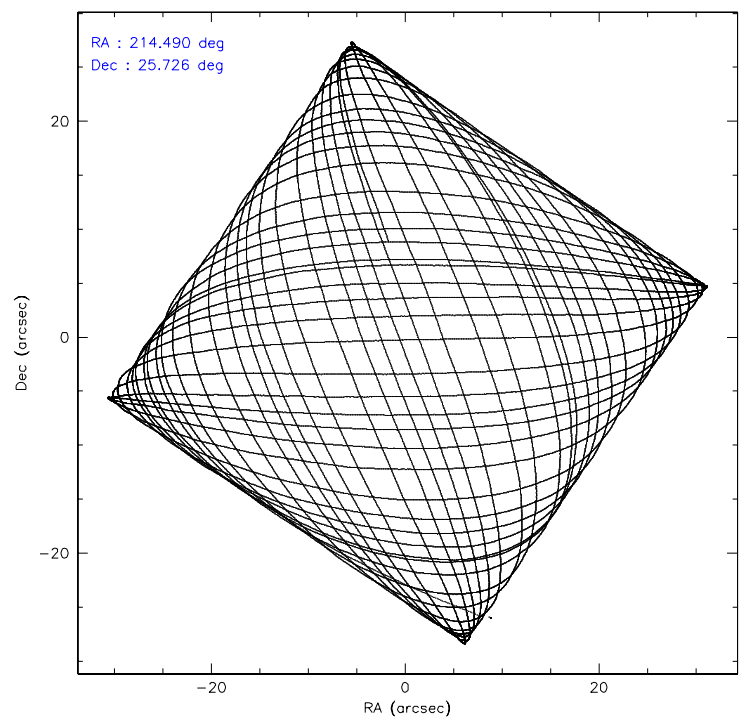
Level 1 Events

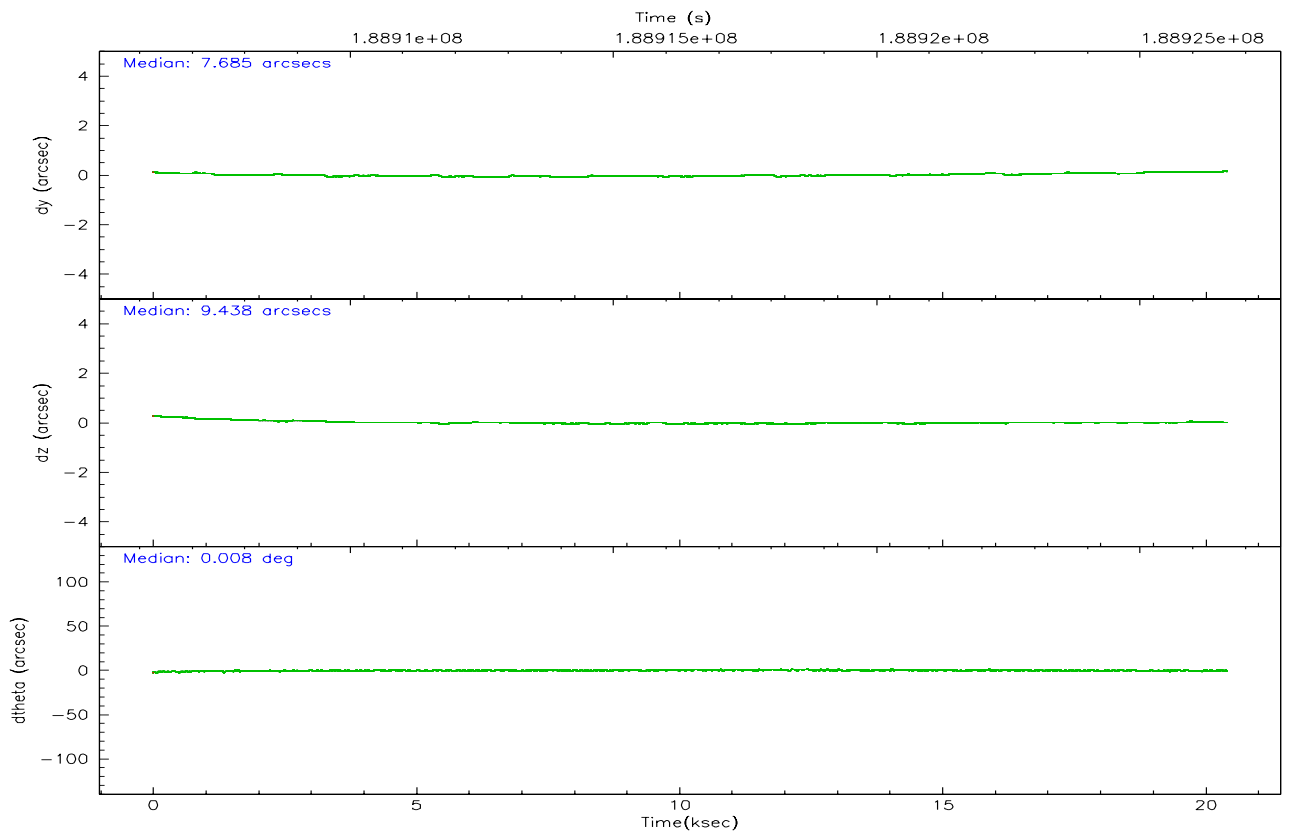
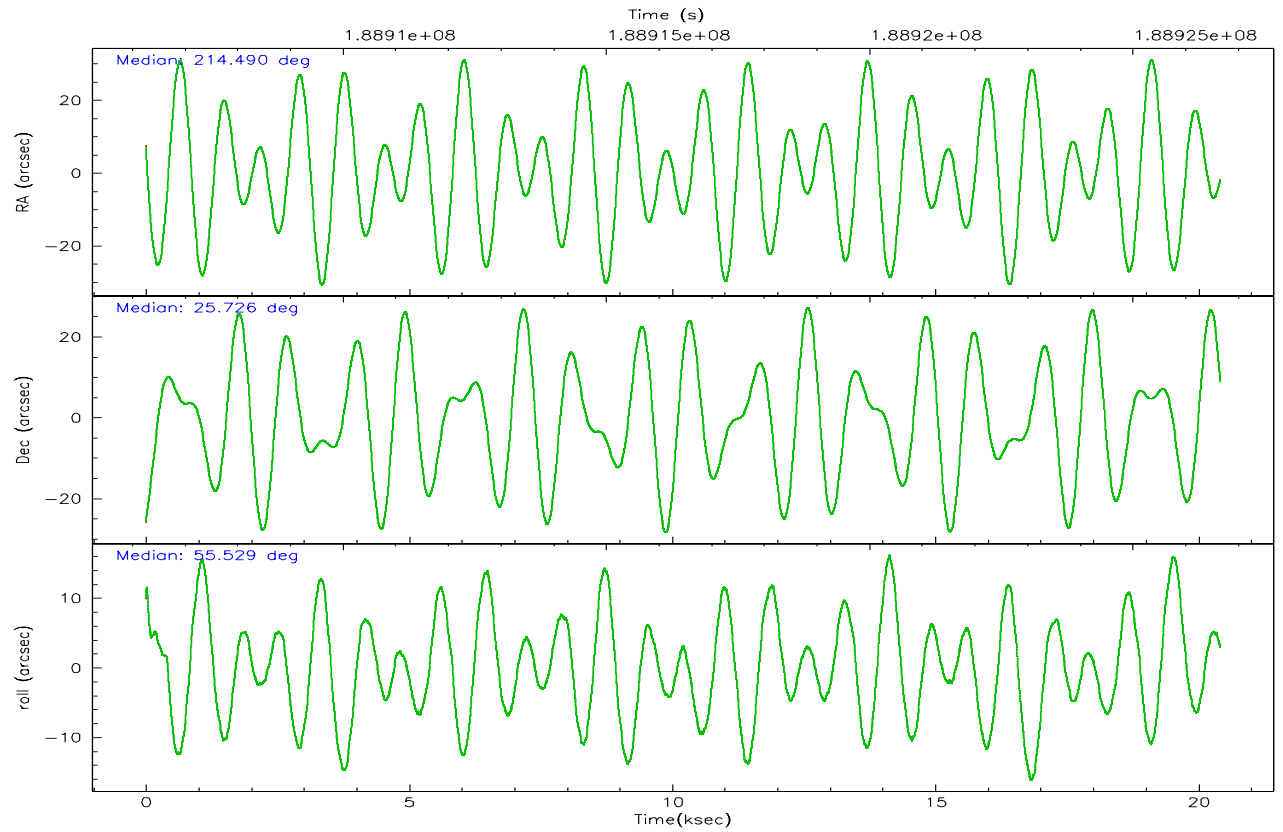
	segment 0
level 1 events	955862
rejected events	18971
rejected %	1%

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	214.488490	214.4900956555093			
Pointing Dec	25.698731	25.72581881399586			
Pointing Roll	55.632604	55.53642369206243			
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	188906364.184000	188905066.60568			
Observation start date	2003-12-27T09:58:20	2003-12-27T09:37:46			
Observation end time	188926660.184000	188926974.44413			
Observation end date	2003-12-27T15:36:36	2003-12-27T15:42:54			

2.3 Aspect



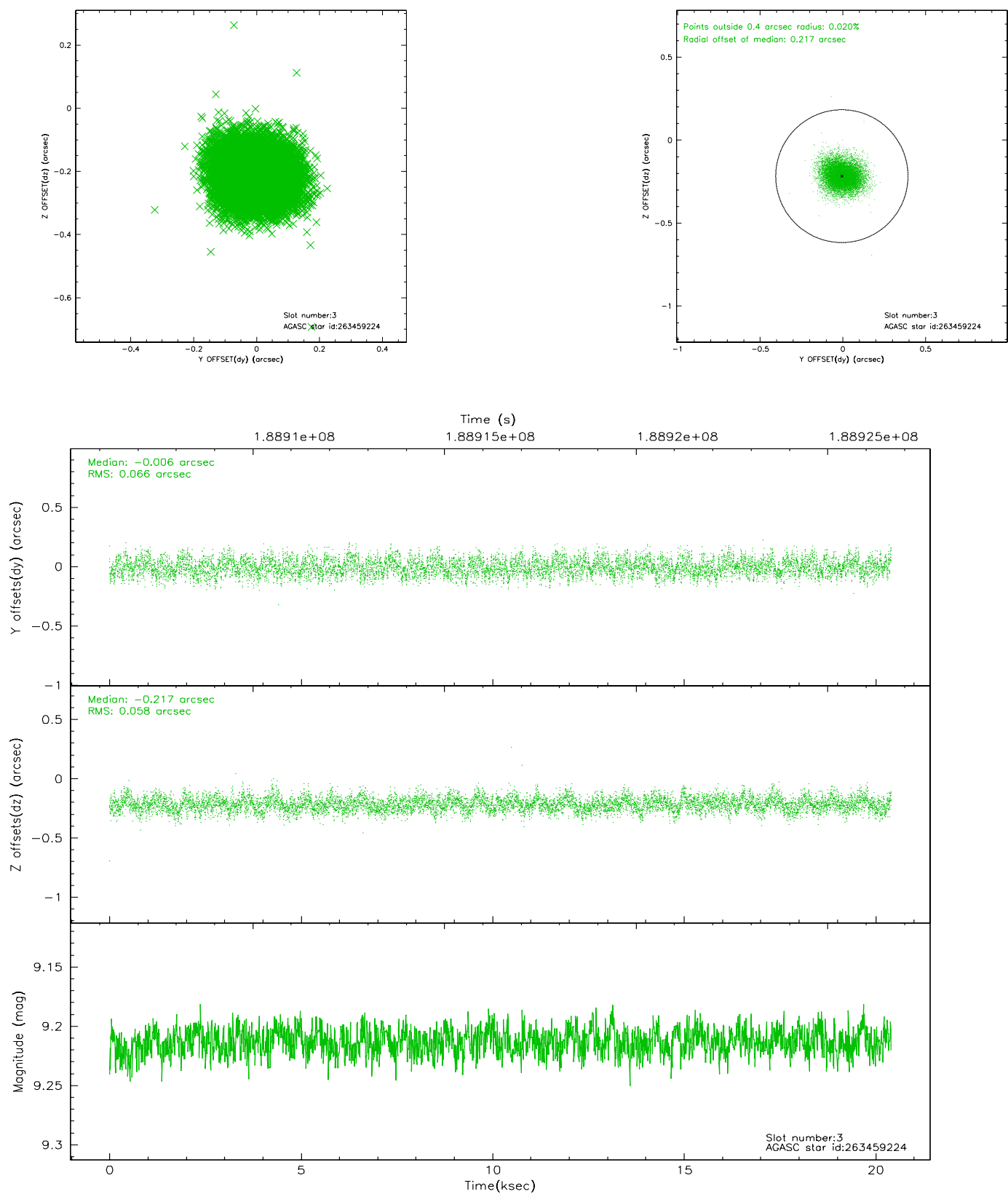


Slot Statistics

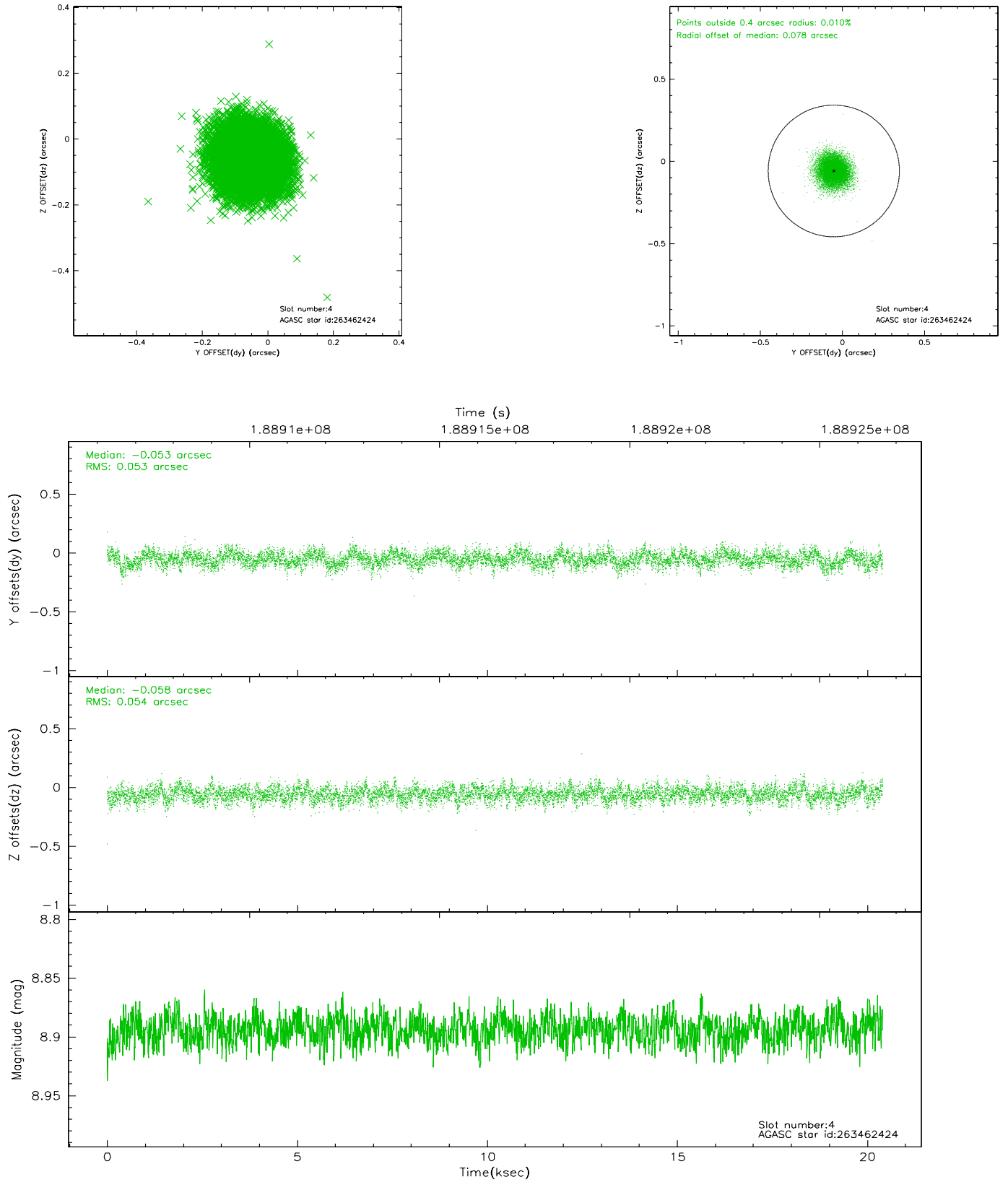
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	7.03	4976	0.055	-0.041	0.006	0.010	0.000000	0.000000	849.39	-1298.98
1	FID	HRC-I-3	7.08	4977	-0.035	-0.013	0.006	0.011	0.000000	0.000000	-1191.65	1006.91
2	FID	HRC-I-4	7.02	4978	0.099	-0.033	0.006	0.010	0.000000	0.000000	1279.35	1004.97
3	GUIDE	263459224	9.21	9951	-0.006	-0.217	0.094	0.150	214.219599	26.365853	1493.48	2071.89
4	GUIDE	263462424	8.89	9950	-0.053	-0.058	0.080	0.129	214.158904	25.947326	137.70	1386.62
5	GUIDE	263464688	9.20	9949	0.176	0.099	0.094	0.152	214.654702	25.305283	-862.98	-1245.93
6	GUIDE	263591976	8.61	9956	-0.128	0.070	0.076	0.118	215.004076	25.990362	1811.24	-782.66
7	GUIDE	263595296	9.80	9923	0.010	0.104	0.118	0.195	214.929889	25.645337	652.53	-1289.75

2.4 Star Slots

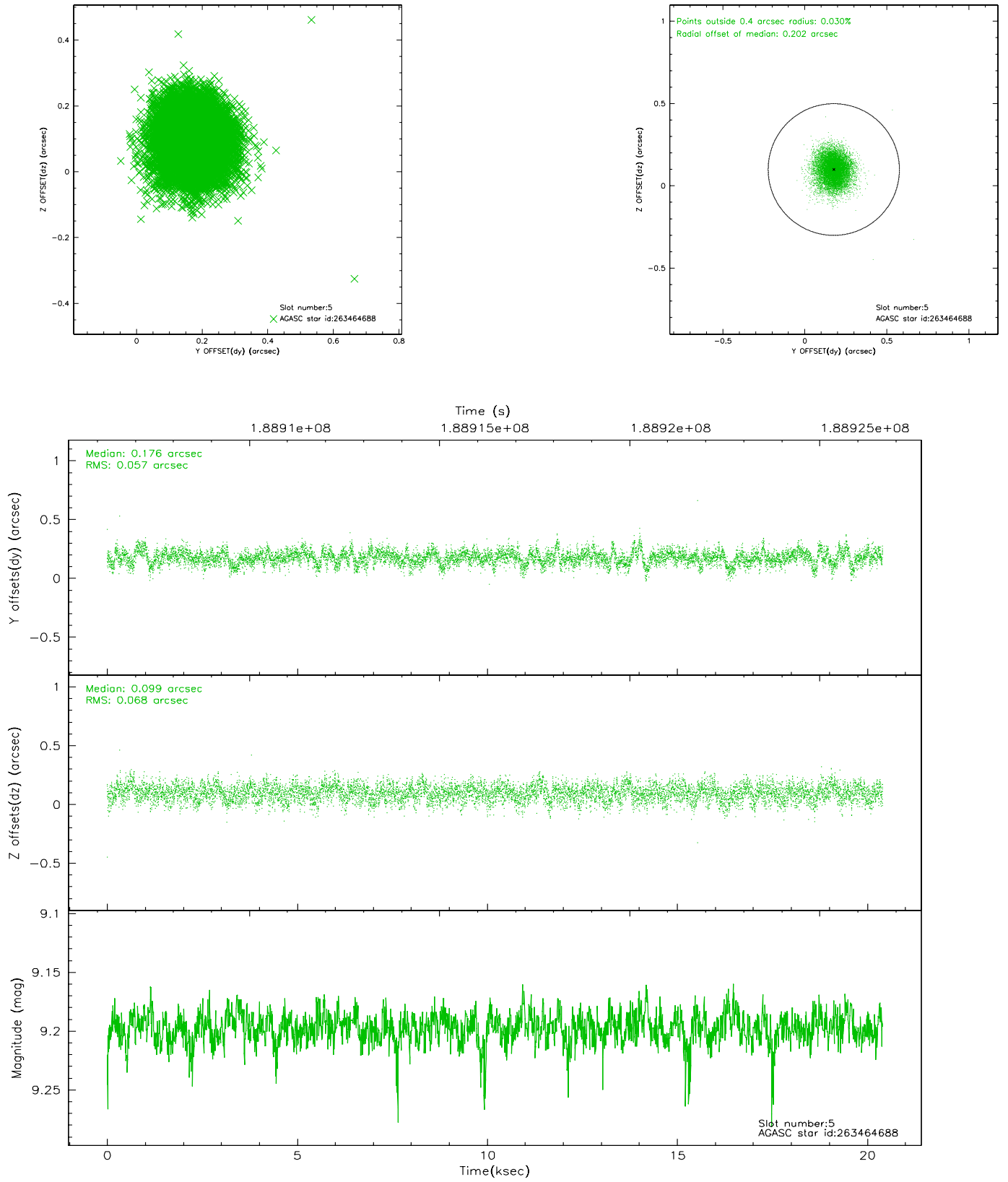
2.4.1 Slot 3



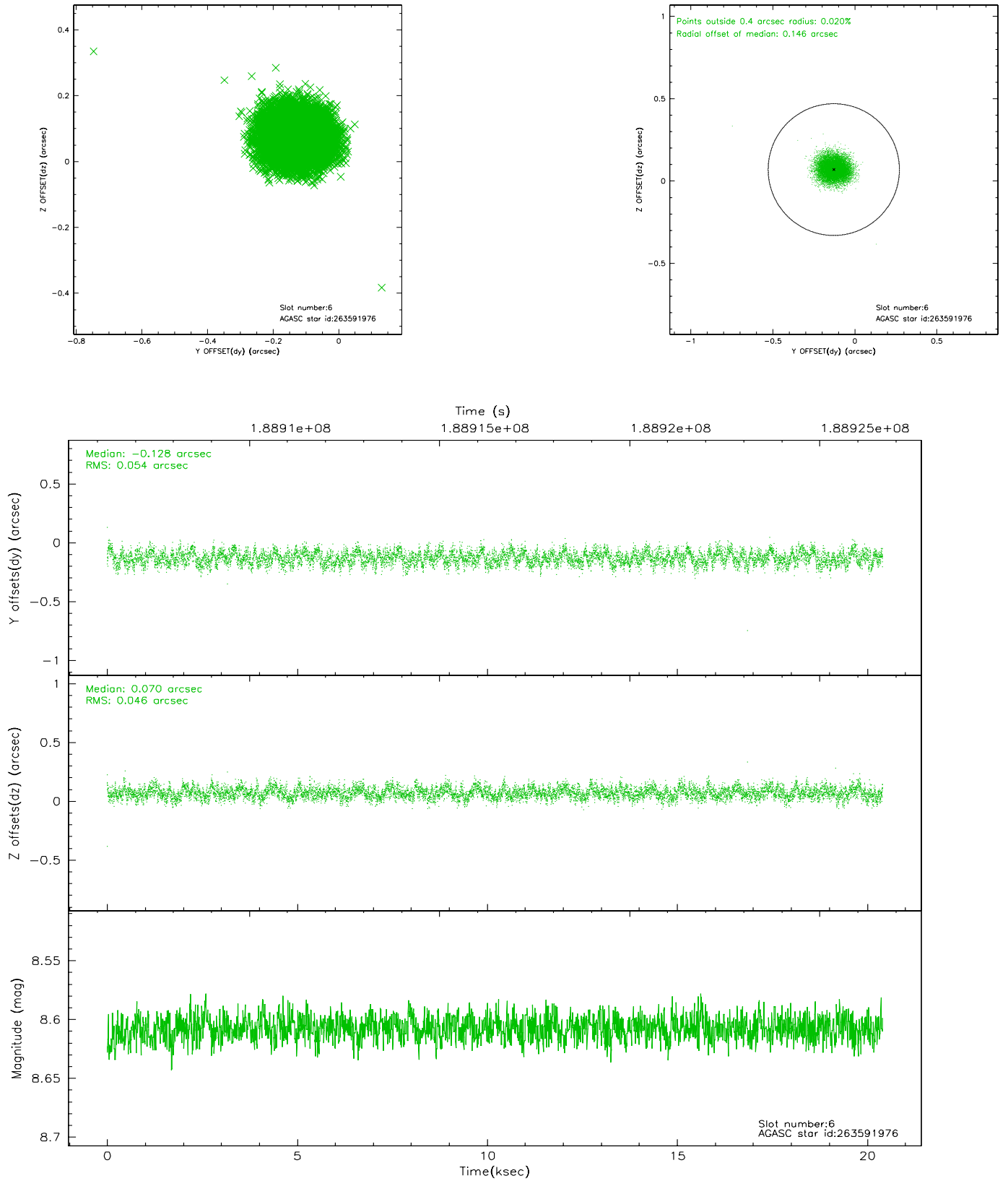
2.4.2 Slot 4



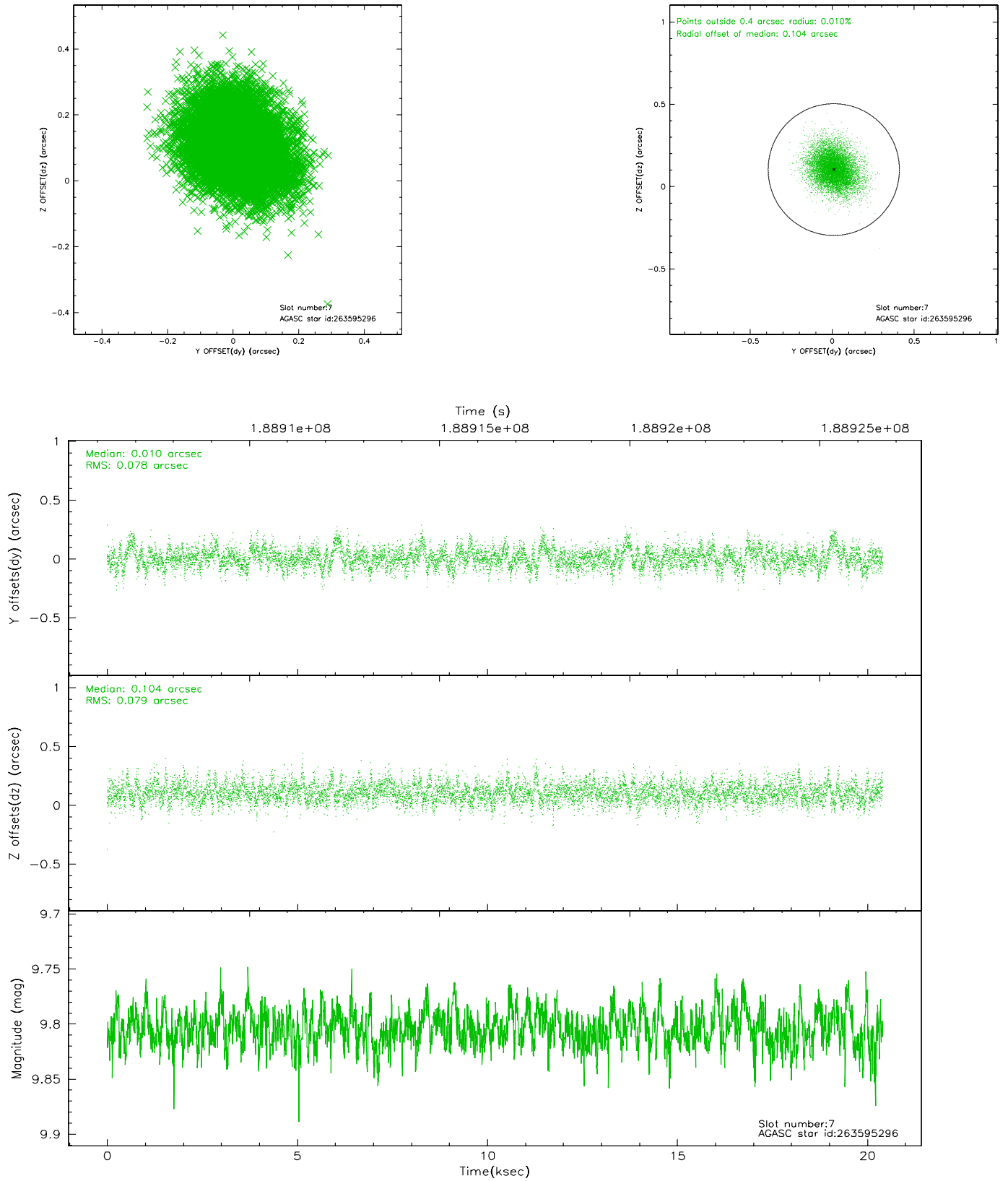
2.4.3 Slot 5



2.4.4 Slot 6

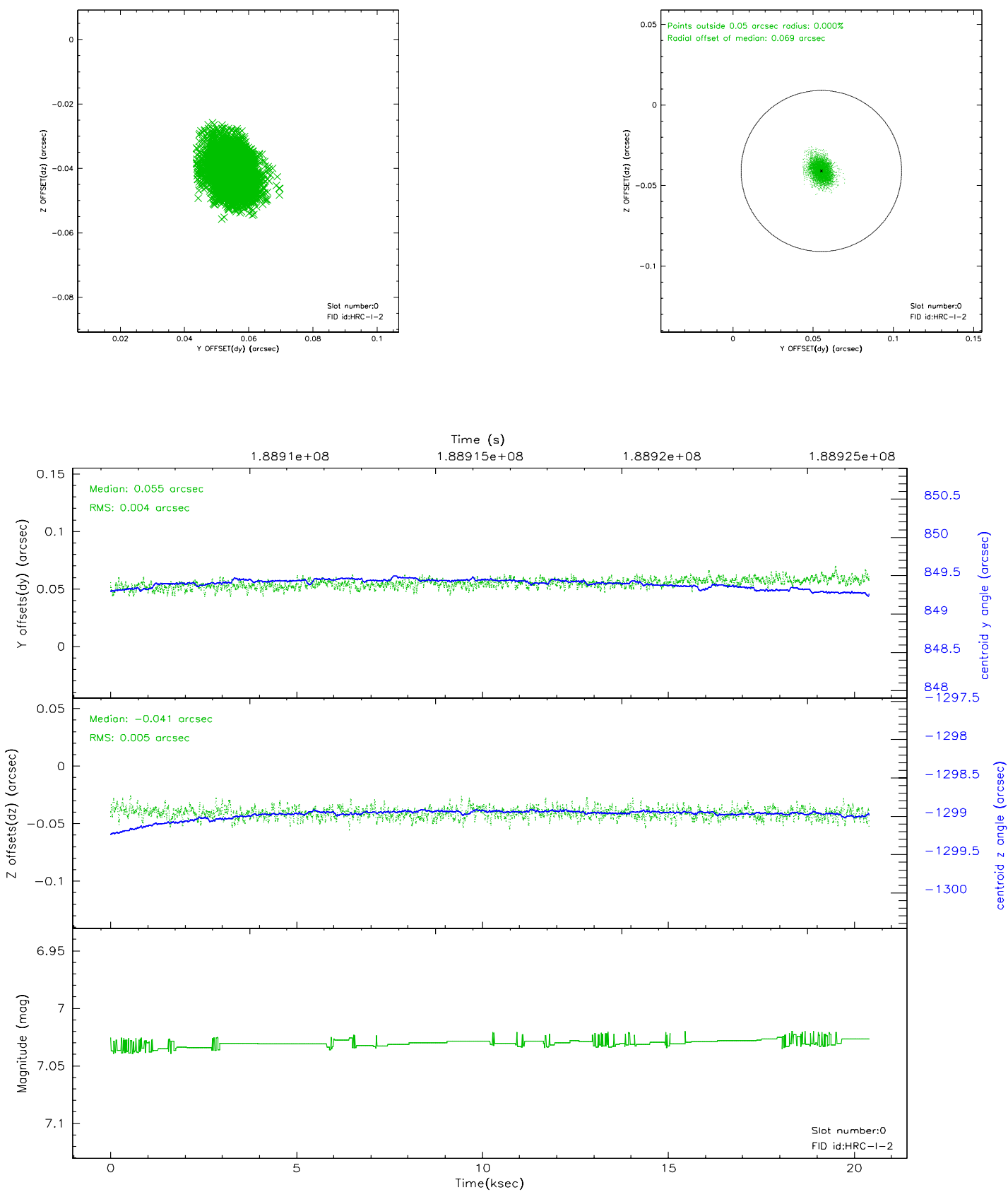


2.4.5 Slot 7

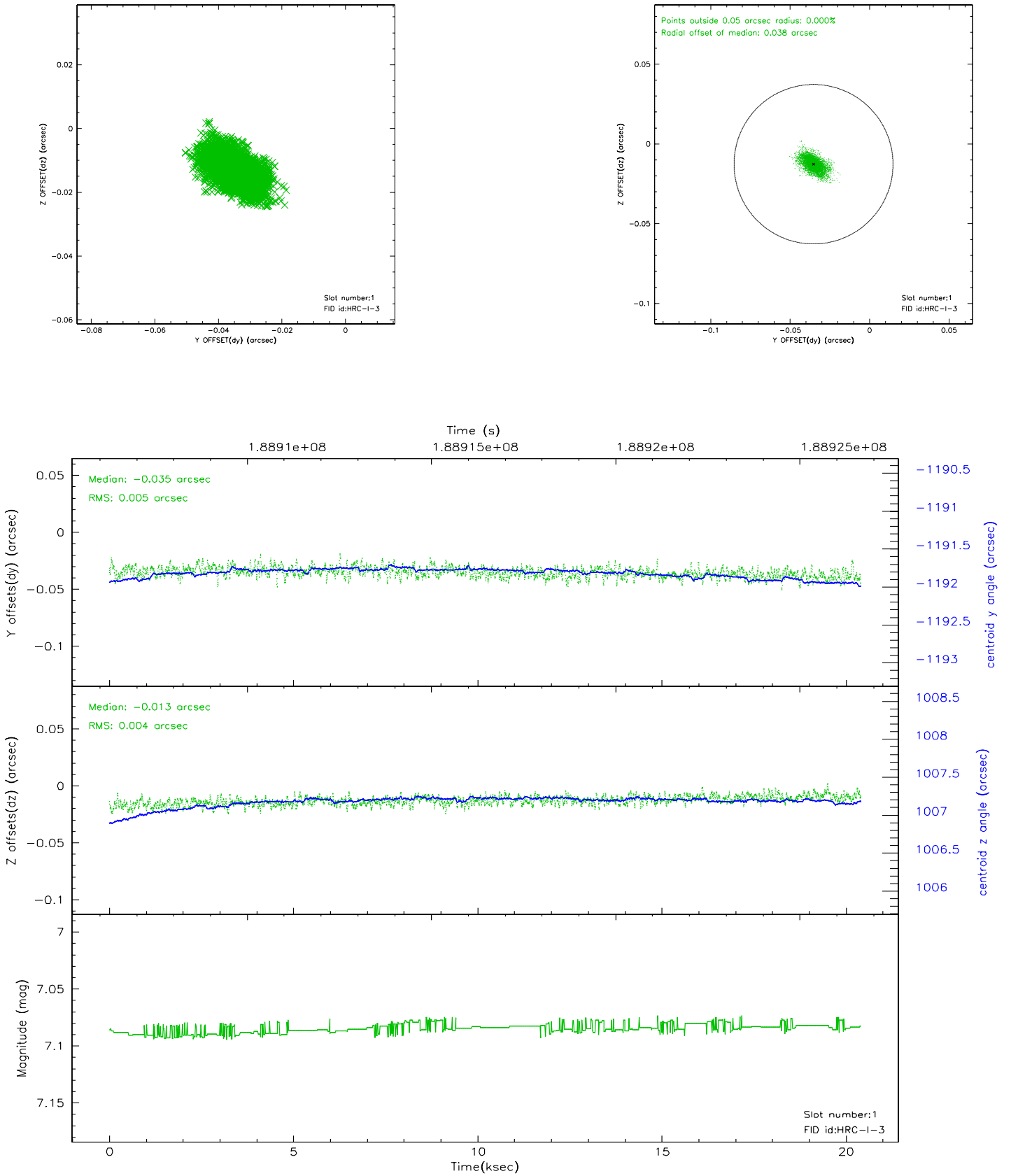


2.5 FID Slots

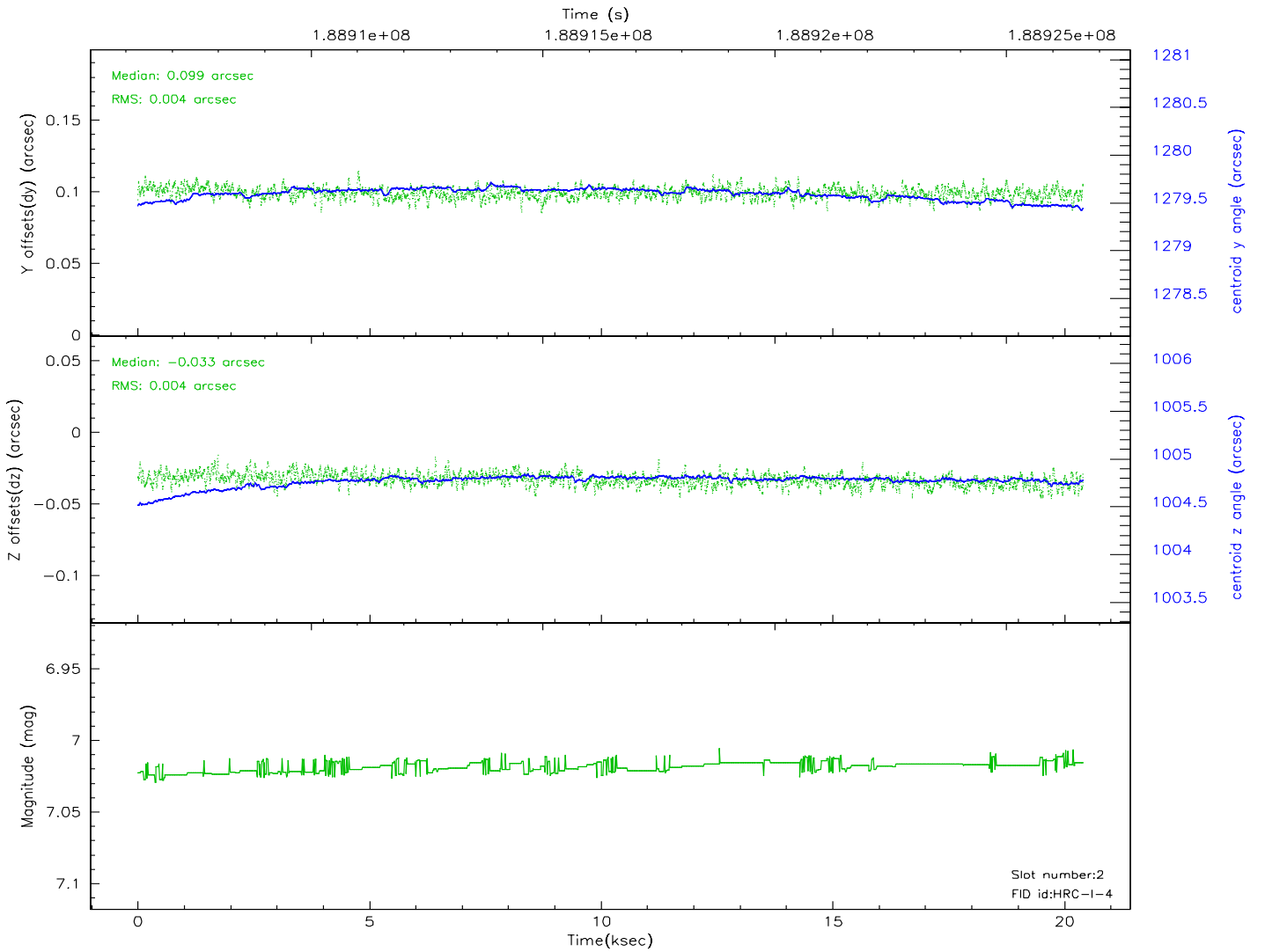
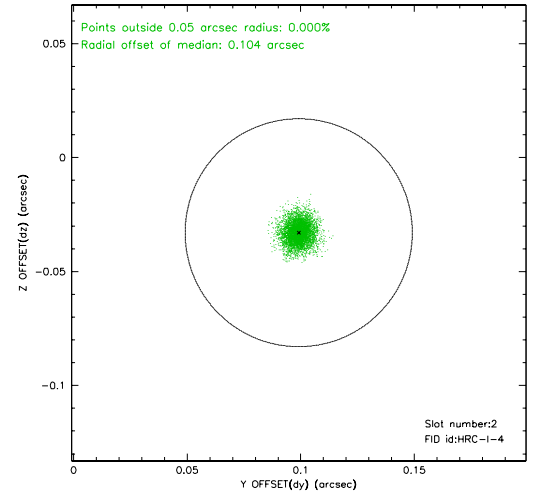
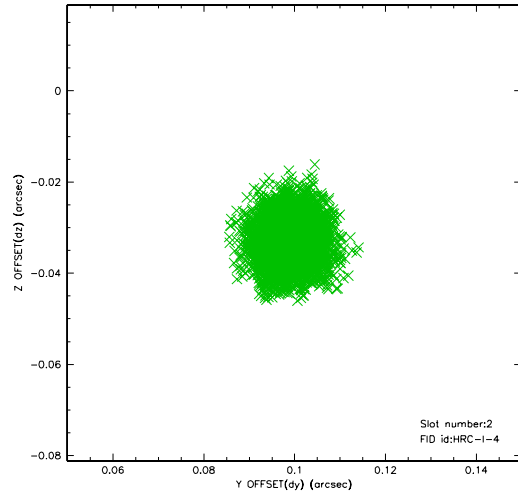
2.5.1 Slot 0



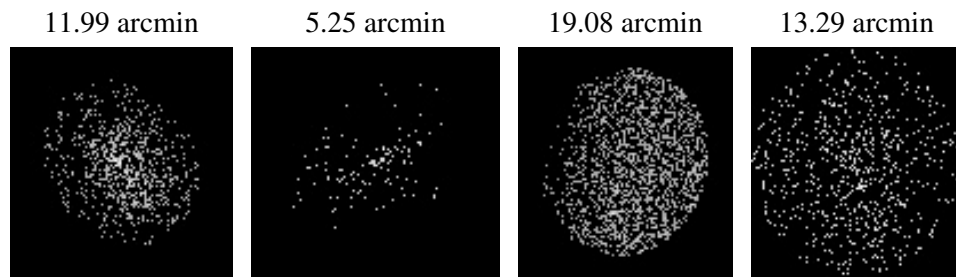
2.5.2 Slot 1



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	20.167

A.2 Comments

On day 356 at about 00:30, the OBA heater stuck in the 'on' position. This situation affected obsid 4901 and all subsequent observations to this point. The result of this anomaly could be a displacement of the target on the chip in the z direction. The displacement will be small because everything is still within spec, but the target may be spatially displaced, have a different point spread function, or trail across the chip.

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.