

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 4755 - L2 Version 4
Chandra X-Ray Center

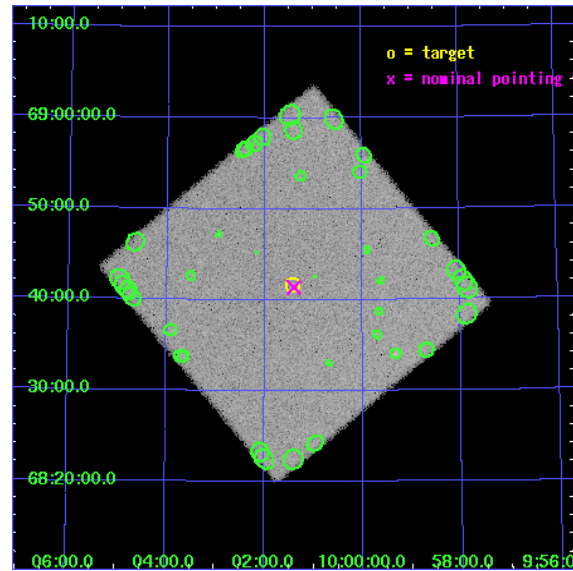
L2 Processing Date : Nov 23 2007

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1 Front

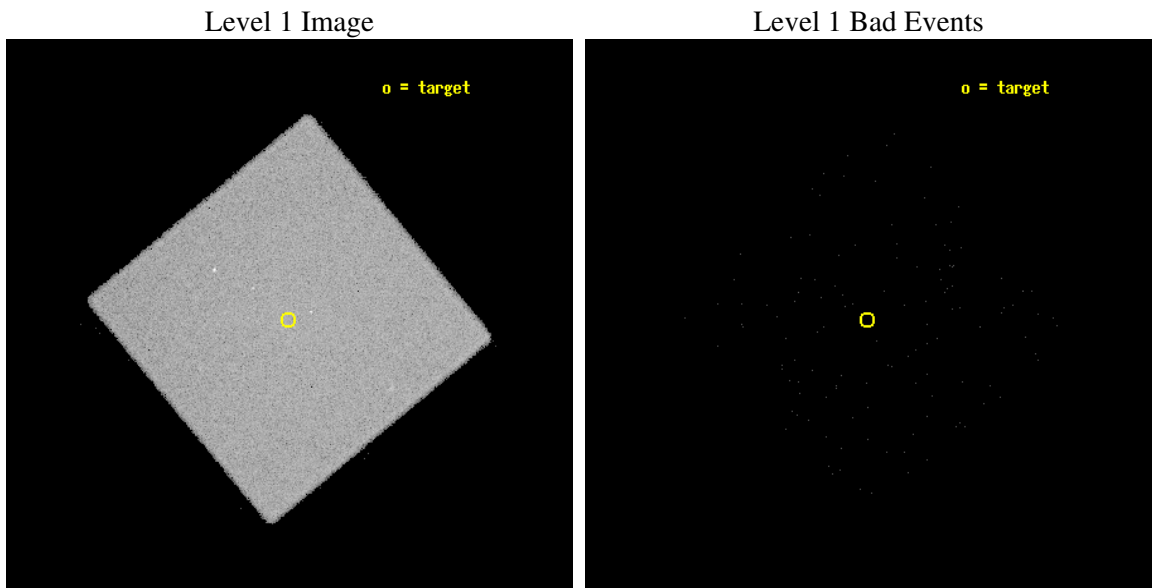
seq_num	600410
obs_id	4755
title	DISCRETE X-RAY SOURCES BETWEEN M 81 AND NGC 3077
observer	Professor Martin Ward
object	NGC3077/M81 FIELD
ra_targ	150.352917
dec_targ	68.693722
ra_nom	150.34960135072
dec_nom	68.689755832292
roll_nom	275.34800436612
revision	4
ontime	9843.3316852748
livetime	9779.6557996131
l2events	332719



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	2007-11-24T00:16:49
revision	4

sched_exp_time	9657.000000
ontime	9843.3316852748
l1events	523772

2.1.3 Events

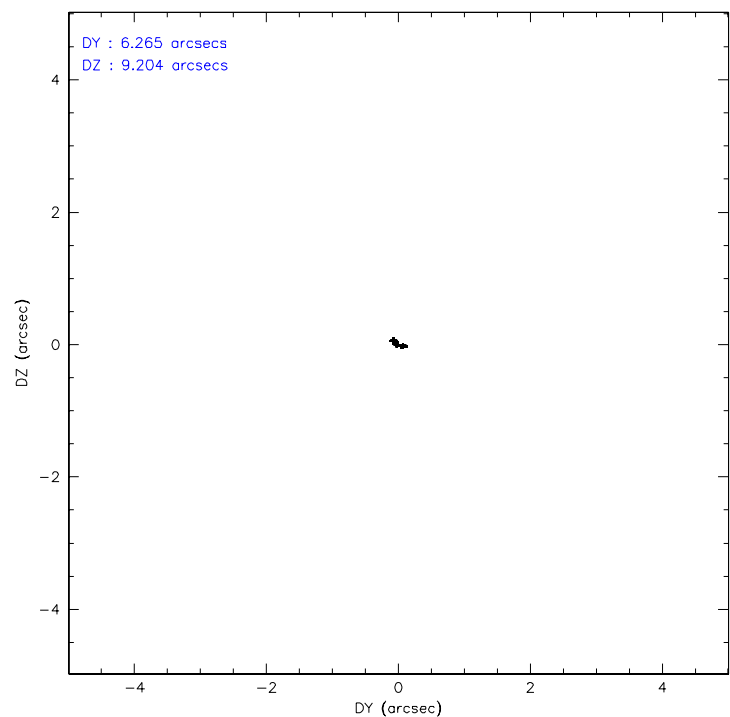
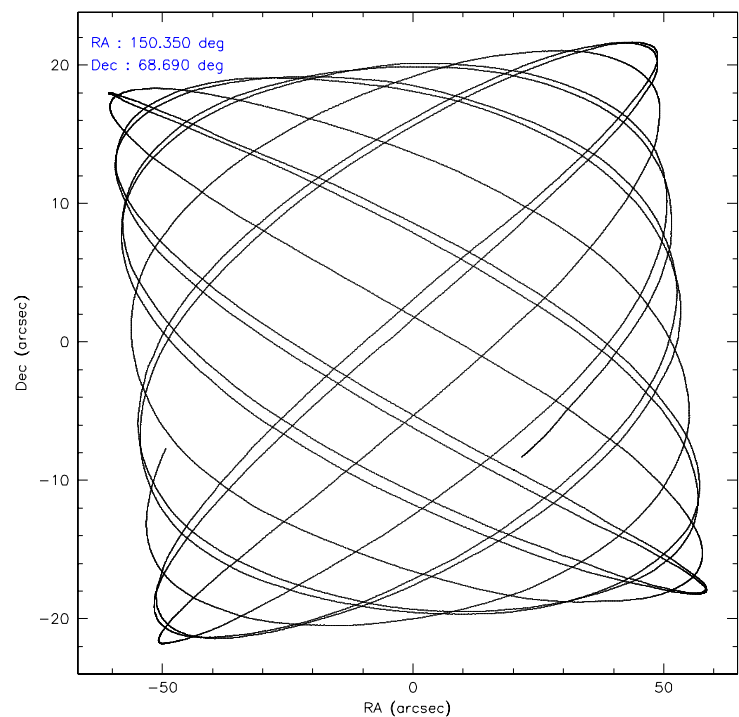
Level 1 Events

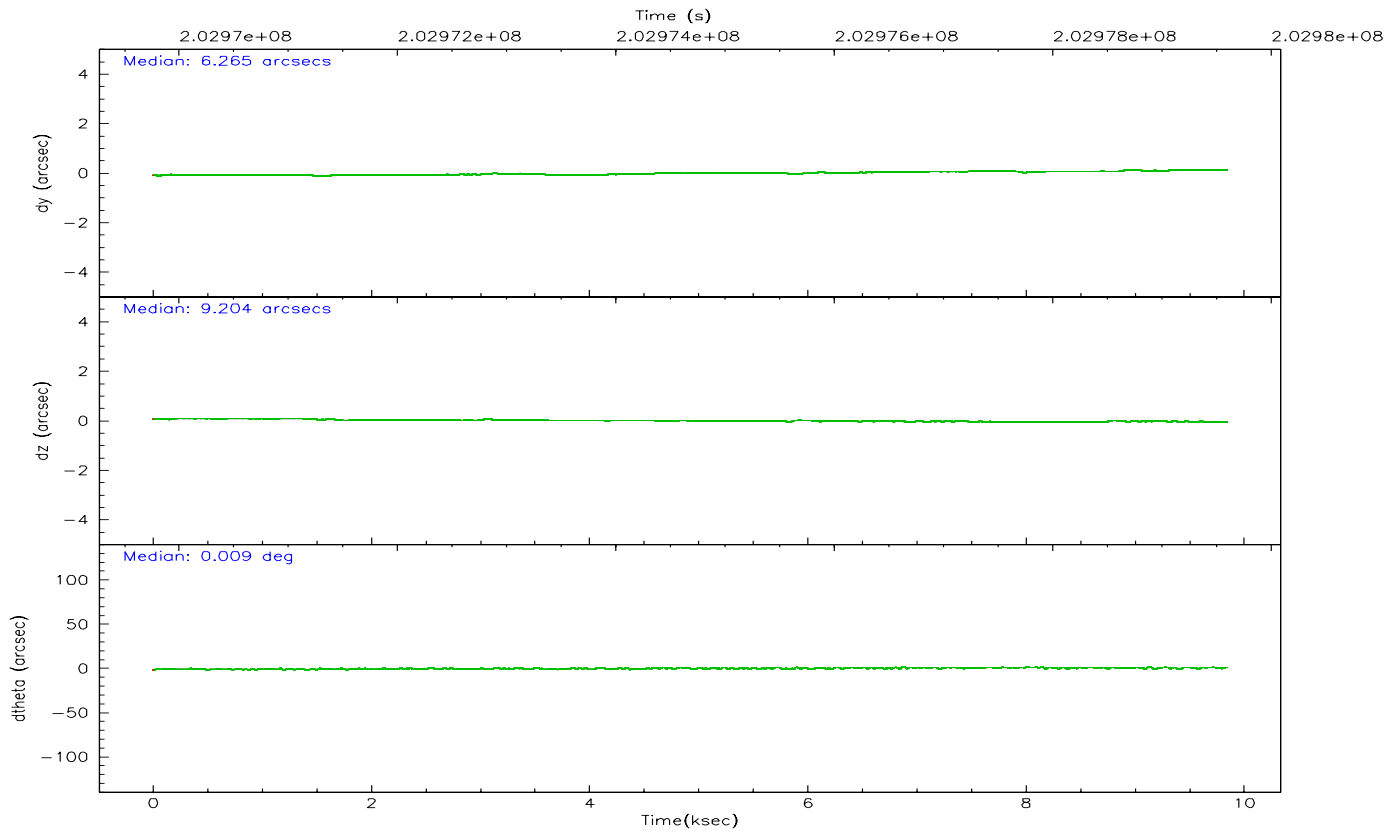
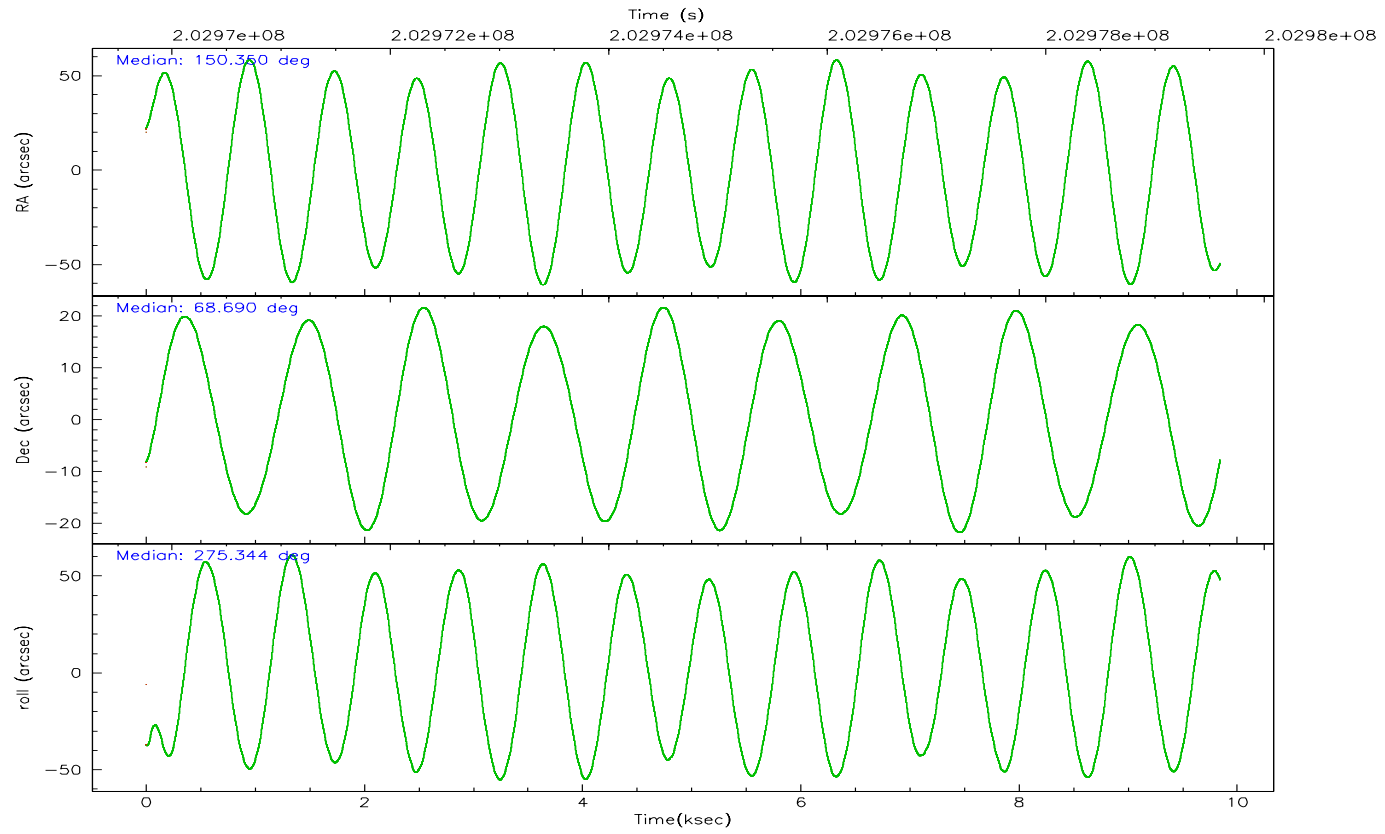
	segment 0
level 1 events	523772
rejected events	25720
rejected %	4%

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	150.304899	150.34960135072			
Pointing Dec	68.711475	68.68975583229249			
Pointing Roll	275.485191	275.3480043661187			
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	202969946.184000	202969302.86033			
Observation start date	2004-06-07T04:31:22	2004-06-07T04:21:42			
Observation end time	202979603.184000	202980448.71082			
Observation end date	2004-06-07T07:12:19	2004-06-07T07:27:28			

2.3 Aspect



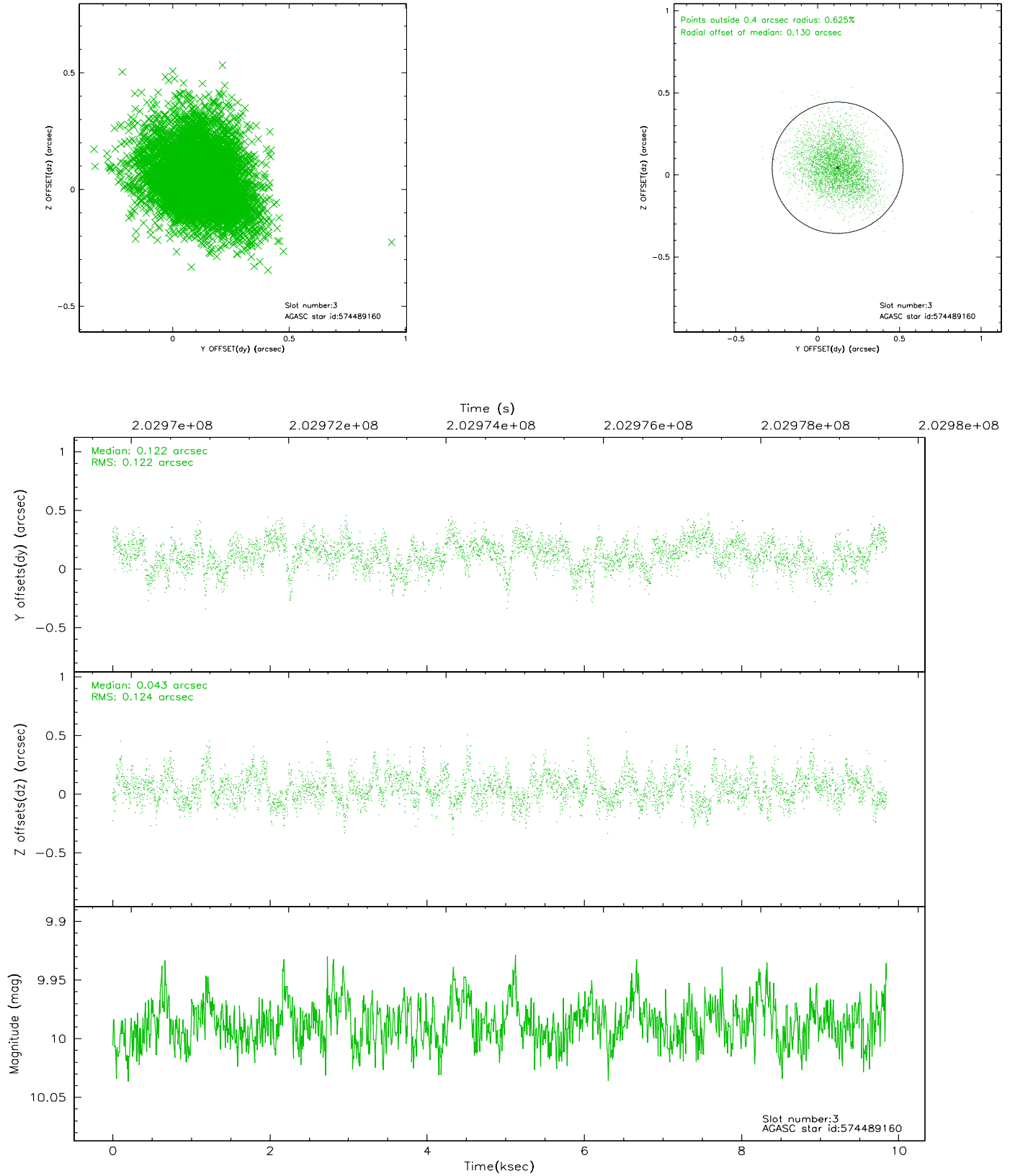


Slot Statistics

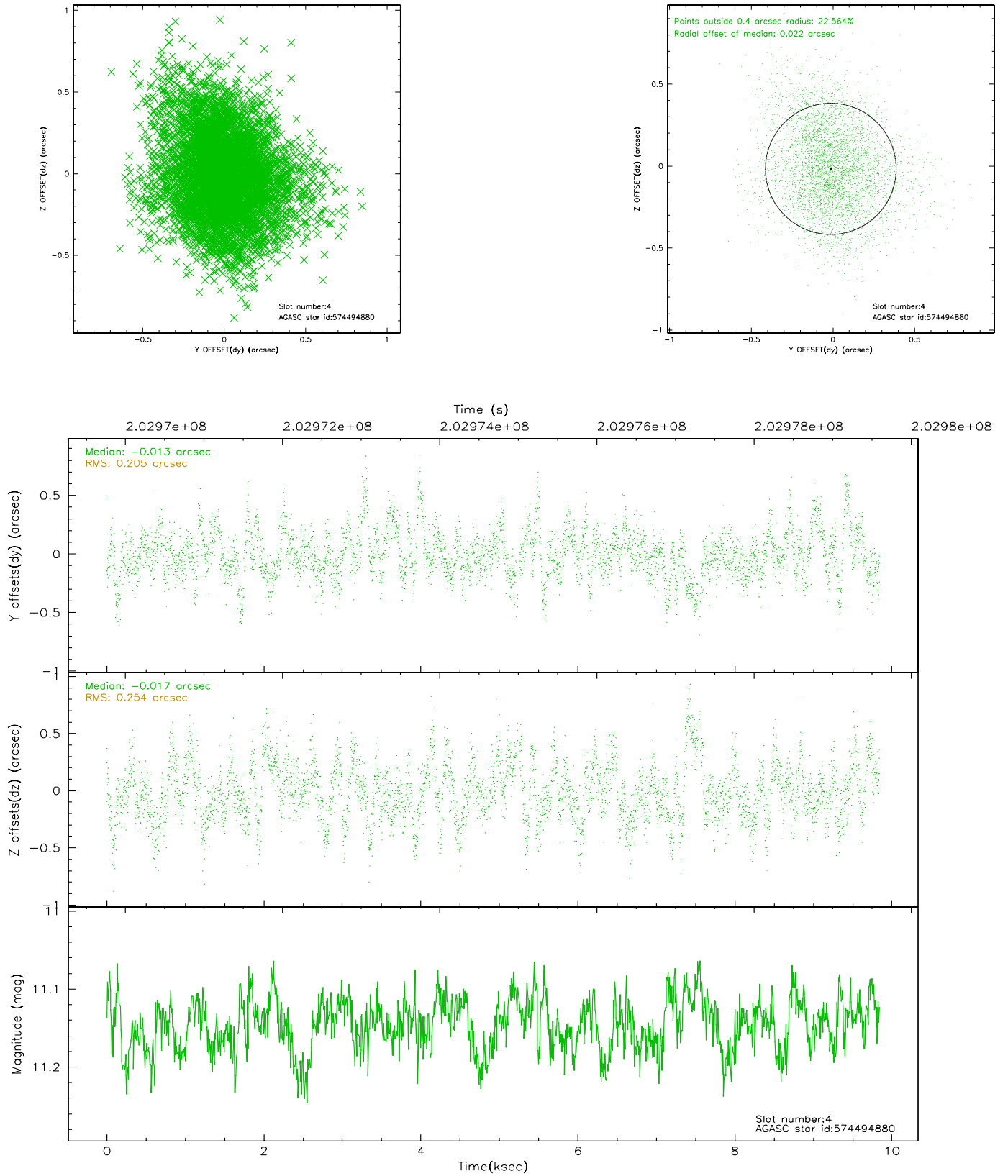
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.98	2402	0.017	0.051	0.007	0.011	0.000000	0.000000	-761.82	-1297.07
1	FID	HRC-I-2	7.02	2402	0.085	-0.073	0.006	0.009	0.000000	0.000000	850.56	-1299.31
2	FID	HRC-I-3	7.07	2402	0.017	-0.067	0.006	0.010	0.000000	0.000000	-1189.94	1006.84
3	GUIDE	574489160	9.99	4799	0.122	0.043	0.184	0.306	149.677320	68.172146	1848.84	-1021.16
4	GUIDE	574494880	11.14	4742	-0.013	-0.017	0.345	0.572	149.009874	68.677374	-56.64	-1697.67
5	GUIDE	574496312	10.32	4797	0.124	-0.020	0.176	0.292	149.547505	68.718299	-124.49	-982.52
6	GUIDE	574496360	9.46	4797	-0.122	-0.071	0.115	0.188	150.806604	68.529829	711.70	595.58
7	GUIDE	574489776	10.16	4789	-0.117	0.045	0.175	0.284	148.323662	69.046710	-1485.43	-2419.22

2.4 Star Slots

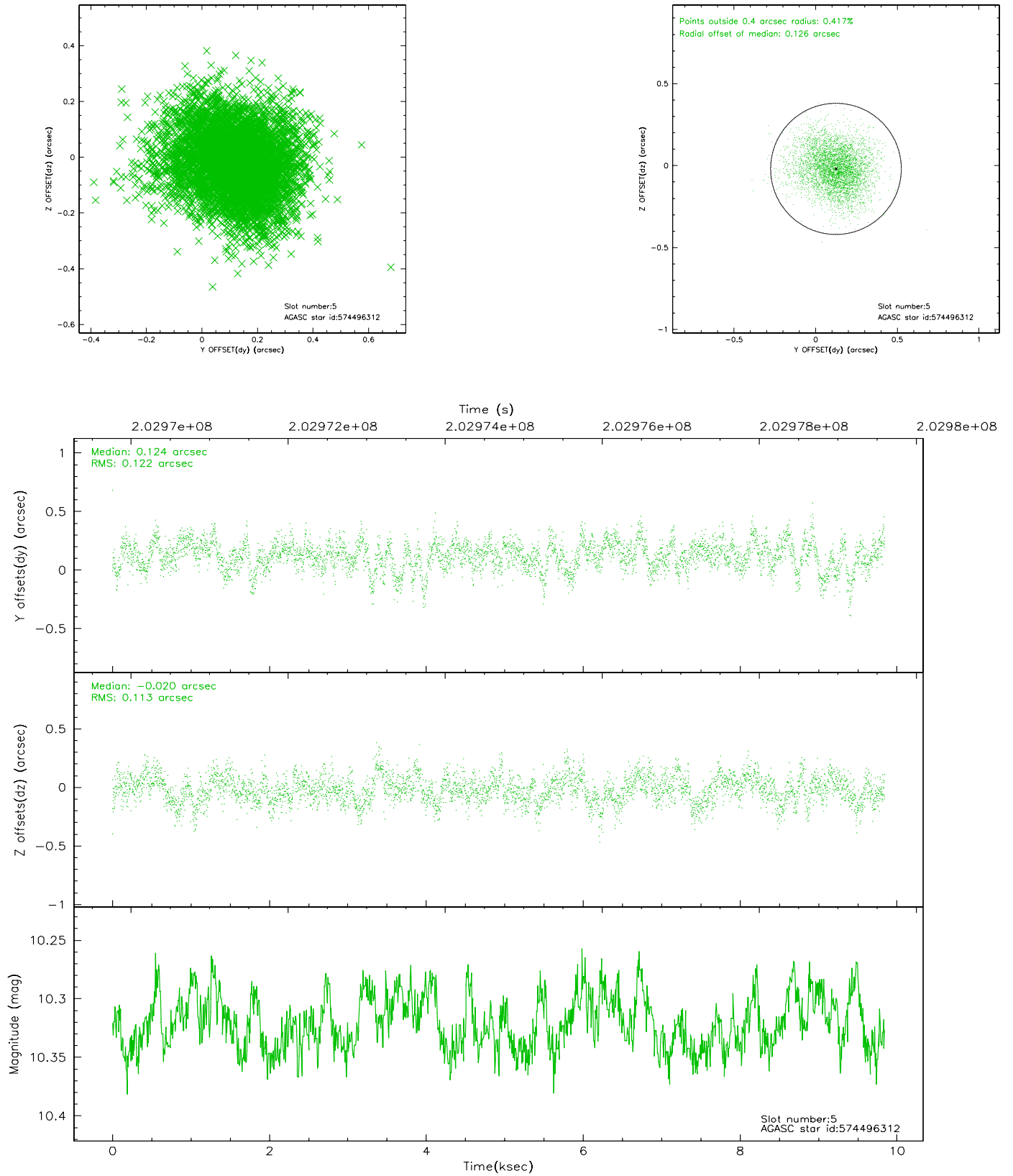
2.4.1 Slot 3



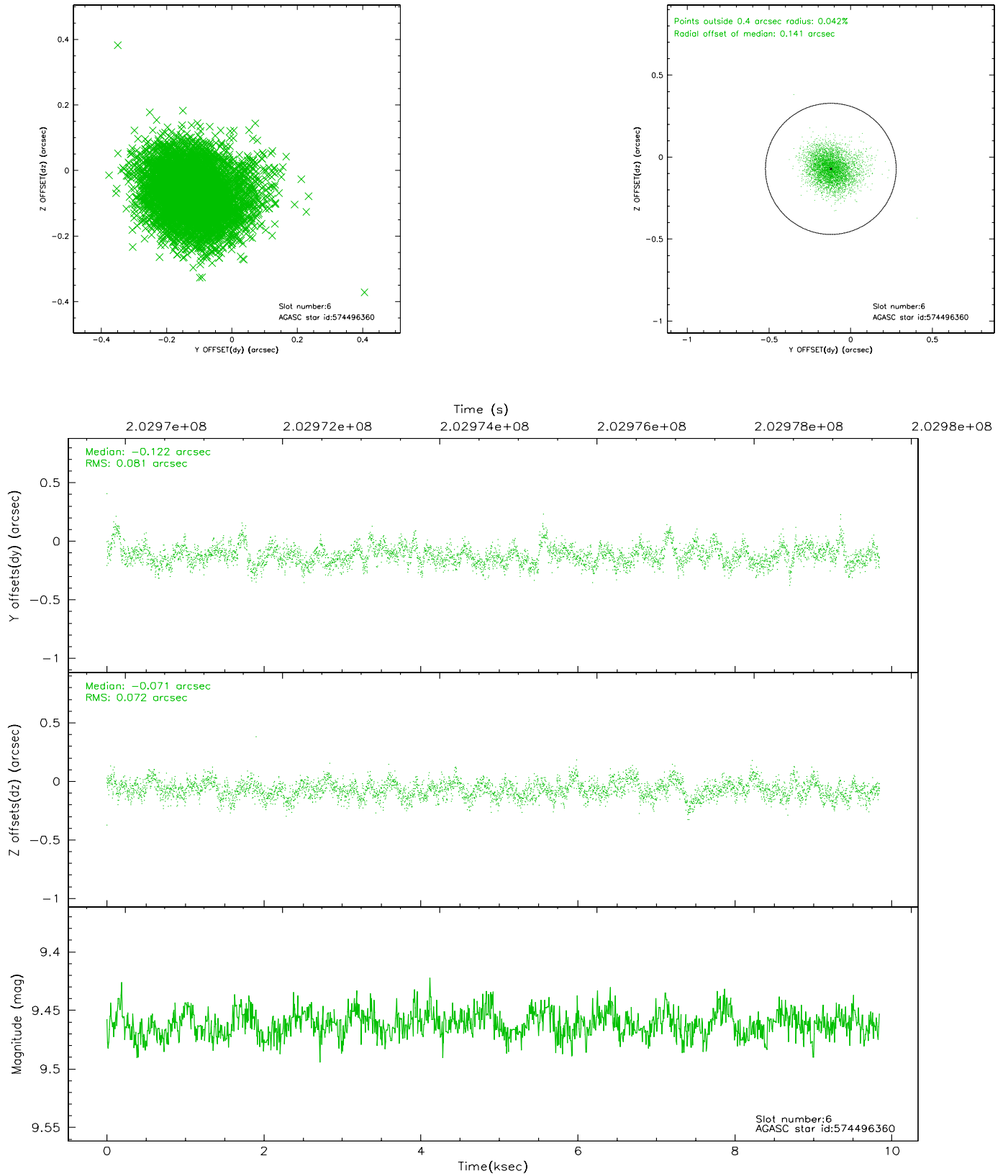
2.4.2 Slot 4



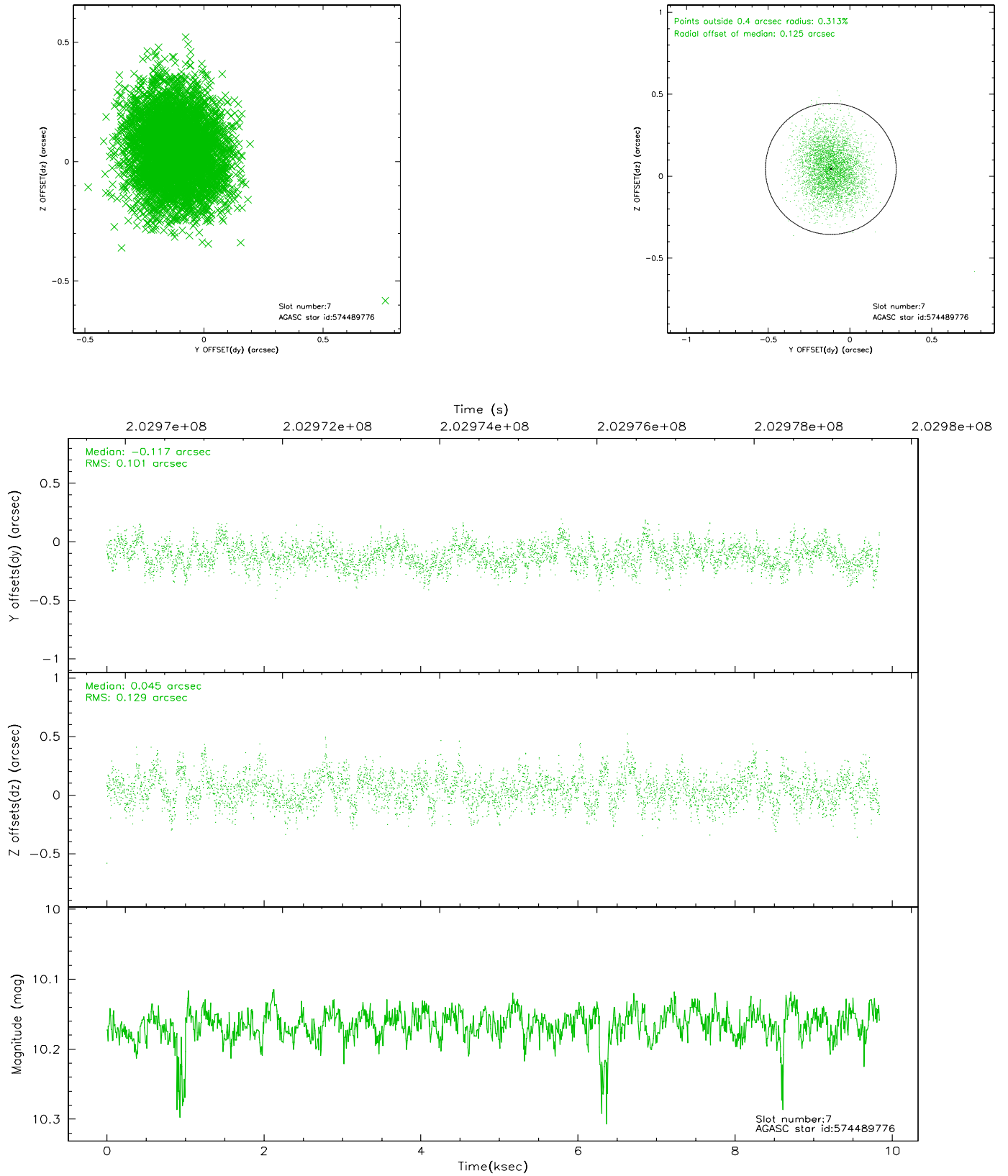
2.4.3 Slot 5



2.4.4 Slot 6

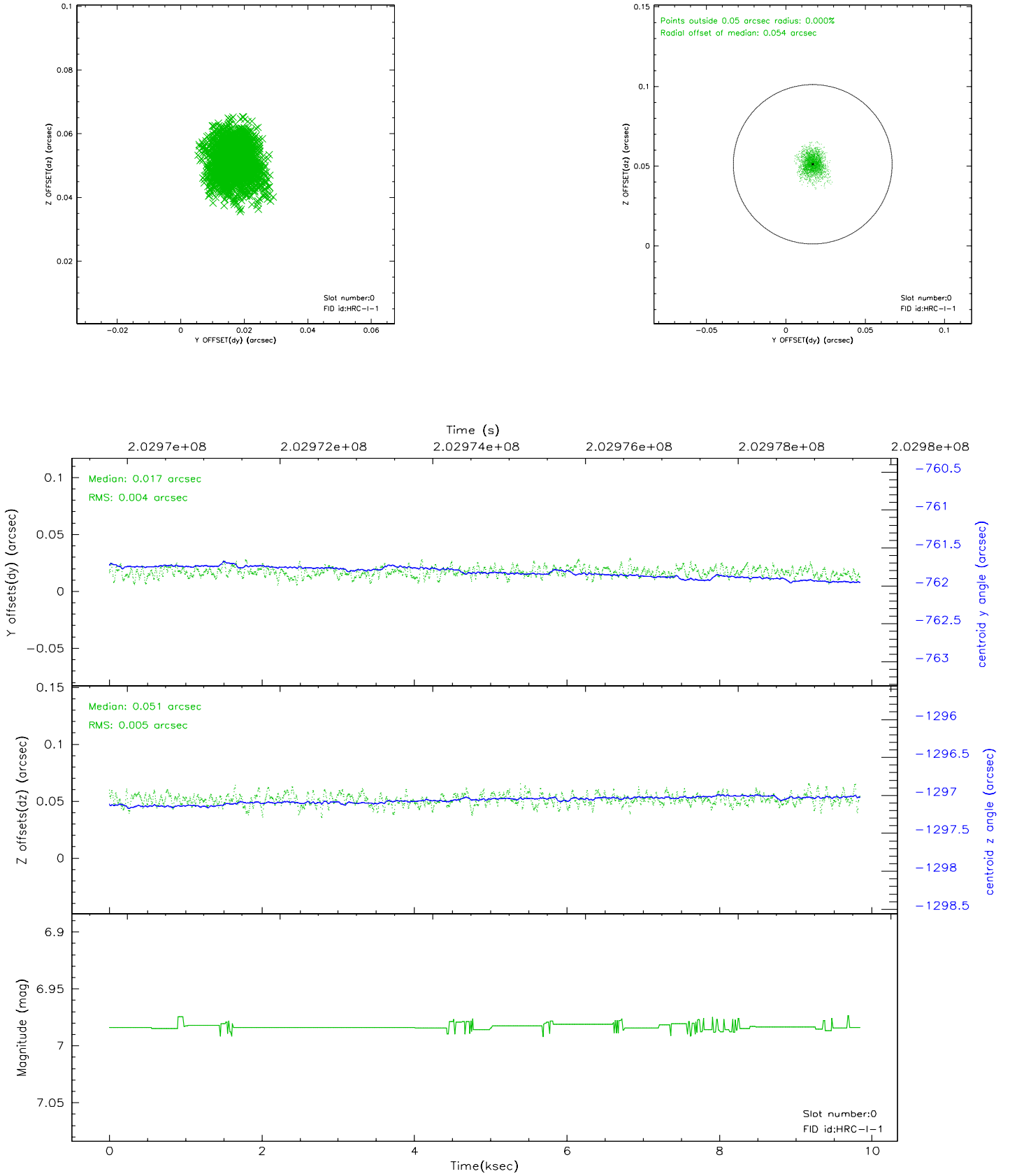


2.4.5 Slot 7

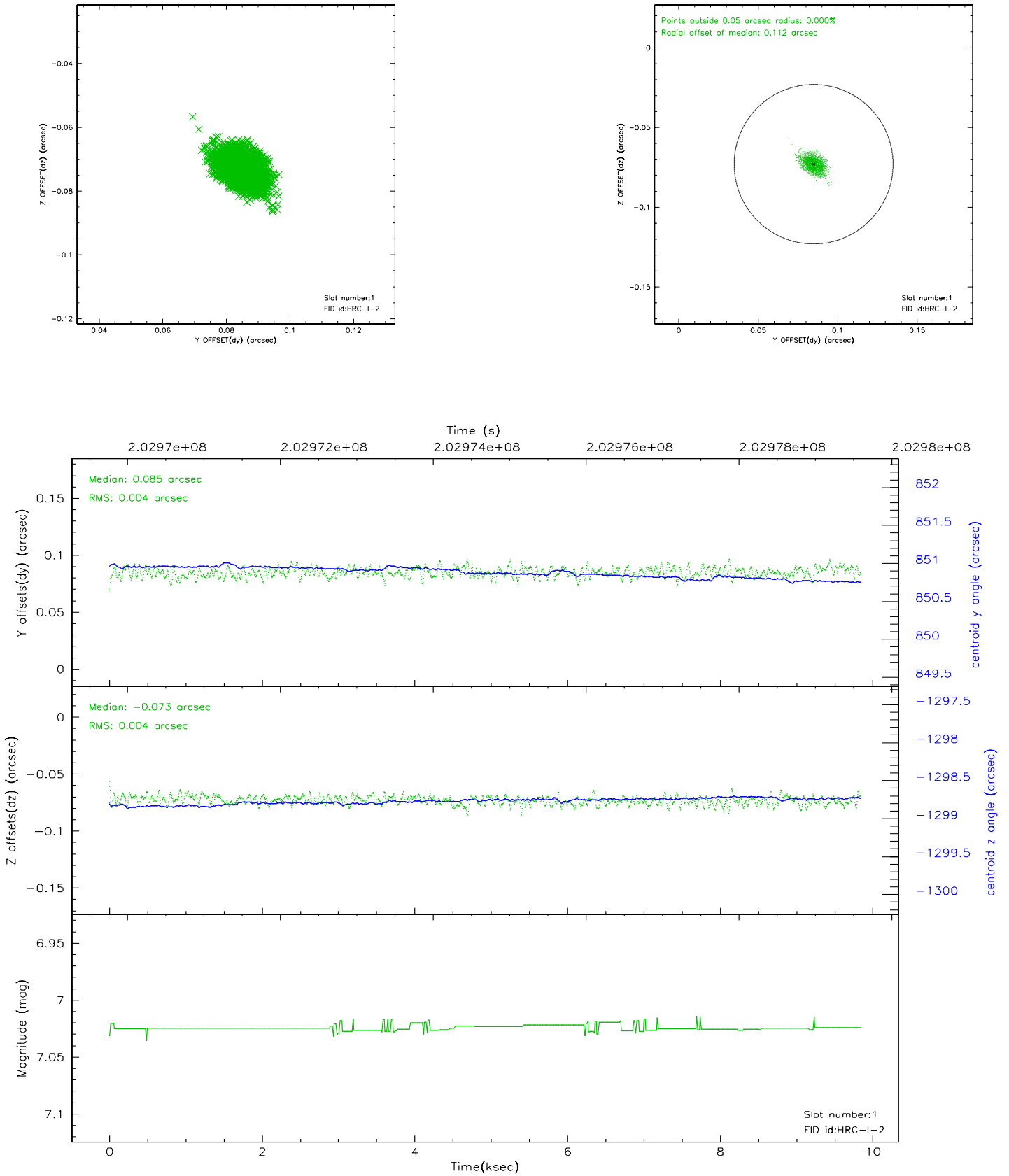


2.5 FID Slots

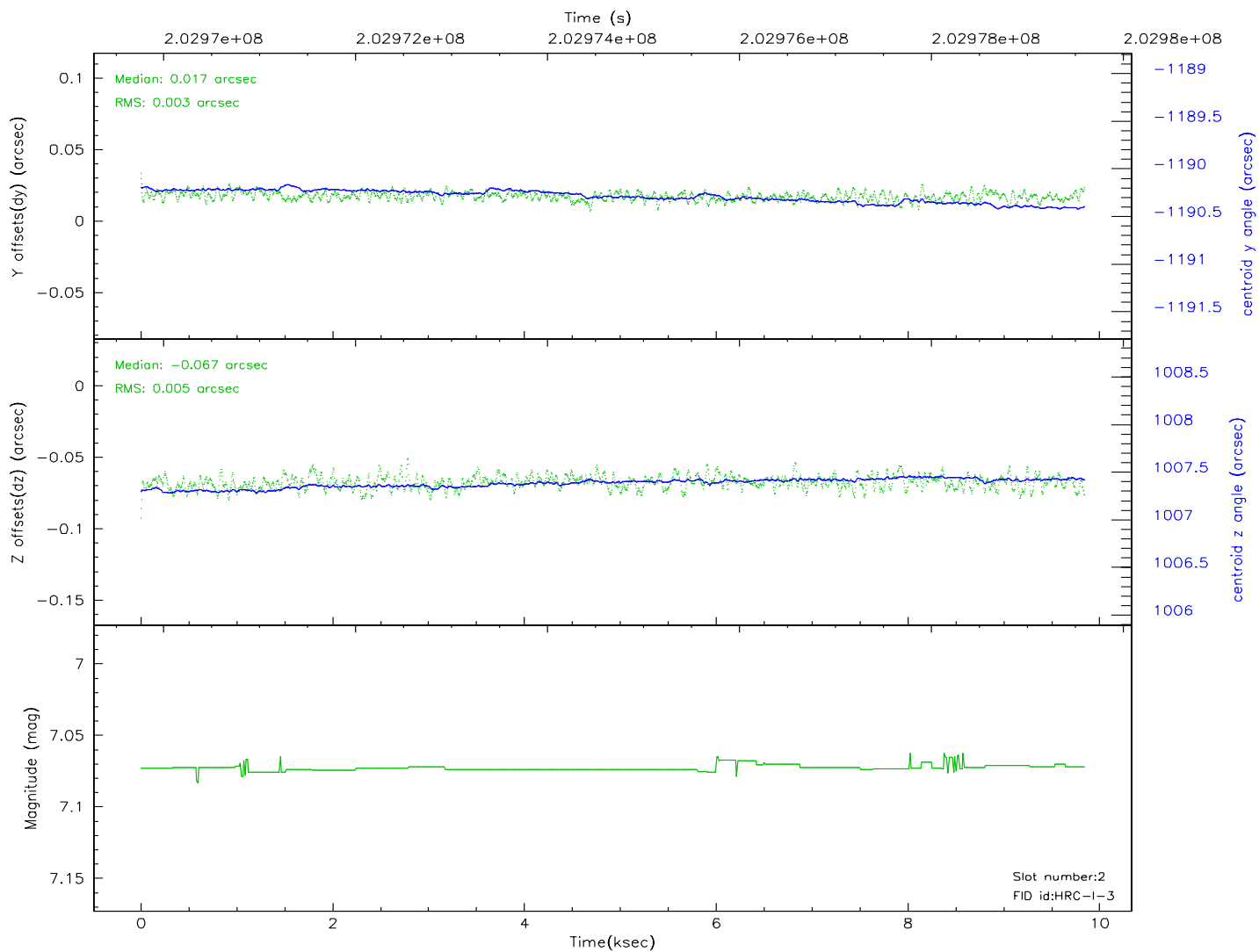
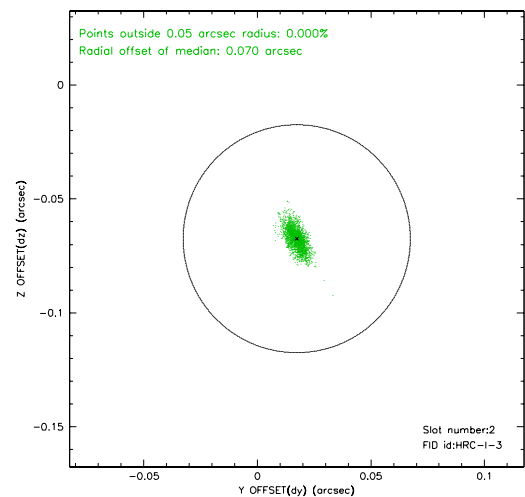
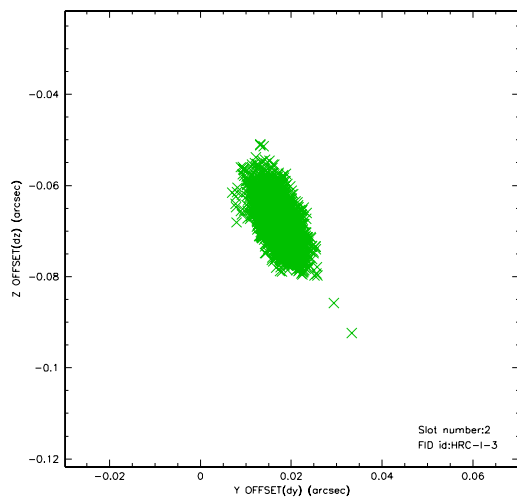
2.5.1 Slot 0



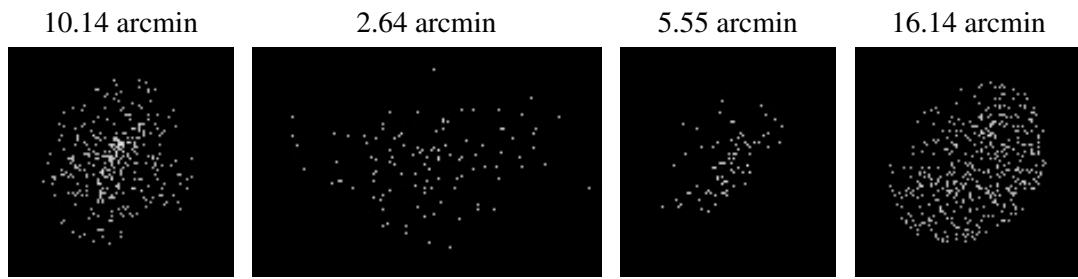
2.5.2 Slot 1



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	9.843

A.2 Comments

Star in slot 4 has an RMS deviation from the mean position > 0.200000 arcsec. This amount of deviation is more than usual but is not expected to have any negative impact on the aspect solution. Spike in background count rate about 1 ksec into the observation, believed to be due to radiation. The spike declines over the next ksec. The rest of the observation is nominal.

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.