

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 987 - L2 Version 3
Chandra X-Ray Center

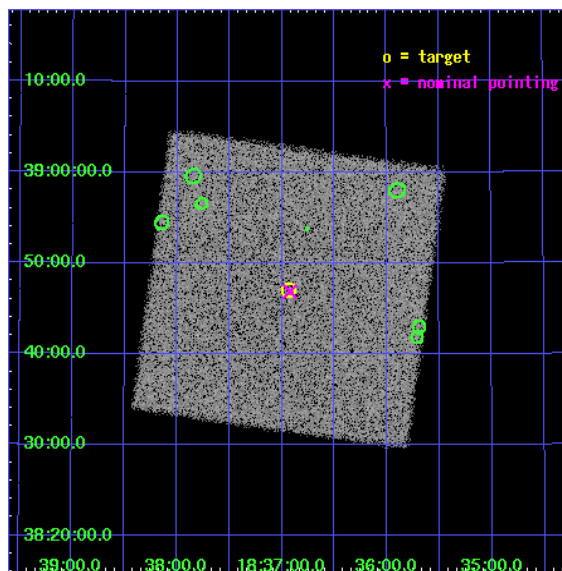
L2 Processing Date : Nov 20 2007

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1 Front

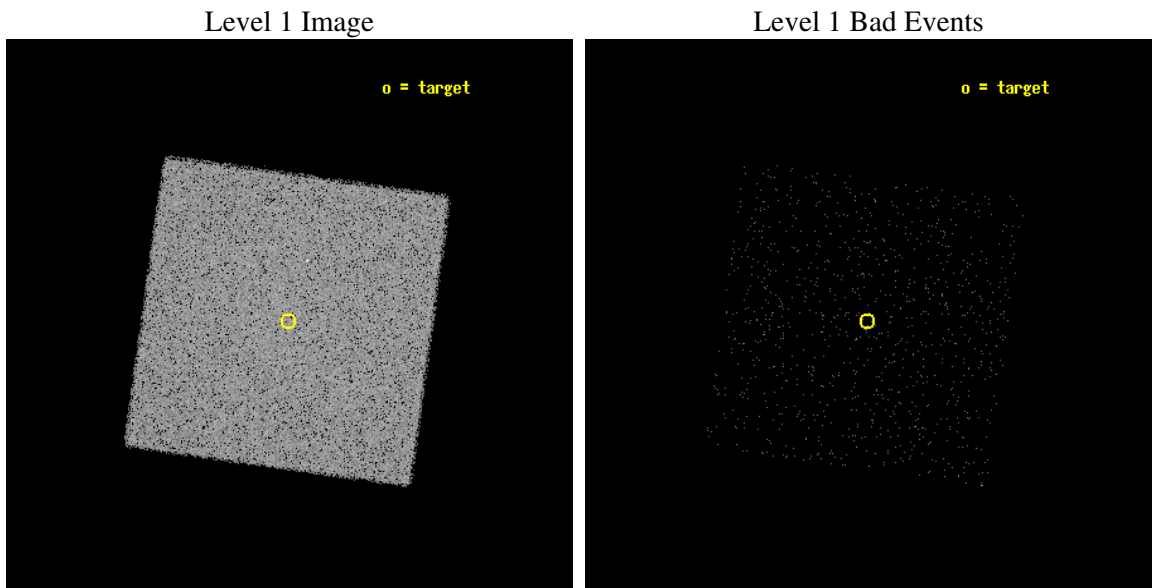
seq_num	290068
obs_id	987
title	CALIBRATION OBSERVATIONS OF VEGA TO MONITOR THE TRANSMISSION OF THE OPTICAL/UV FILTERS ON ACIS AND HRC
observer	Dr. CXC Calibration
object	VEGA, HRC-I, AO2
ra_targ	279.234792
dec_targ	38.783778
ra_nom	279.23086850061
dec_nom	38.781866295712
roll_nom	232.99462841137
revision	3
ontime	2395.6813444644
livetime	2379.0111365824
l2events	97220



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	2007-11-20T18:35:43
revision	3

sched_exp_time	2500.000000
ontime	2395.6813444644
l1events	179563

2.1.3 Events

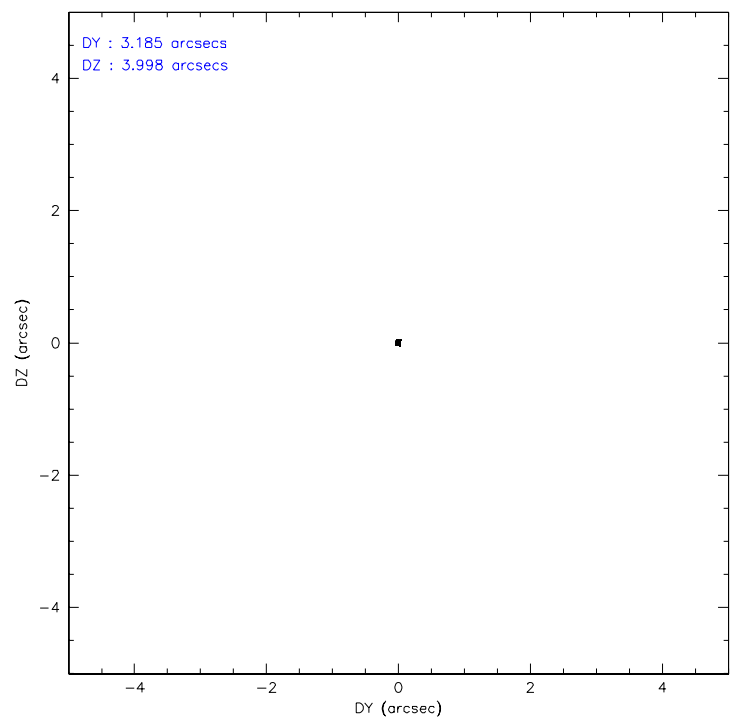
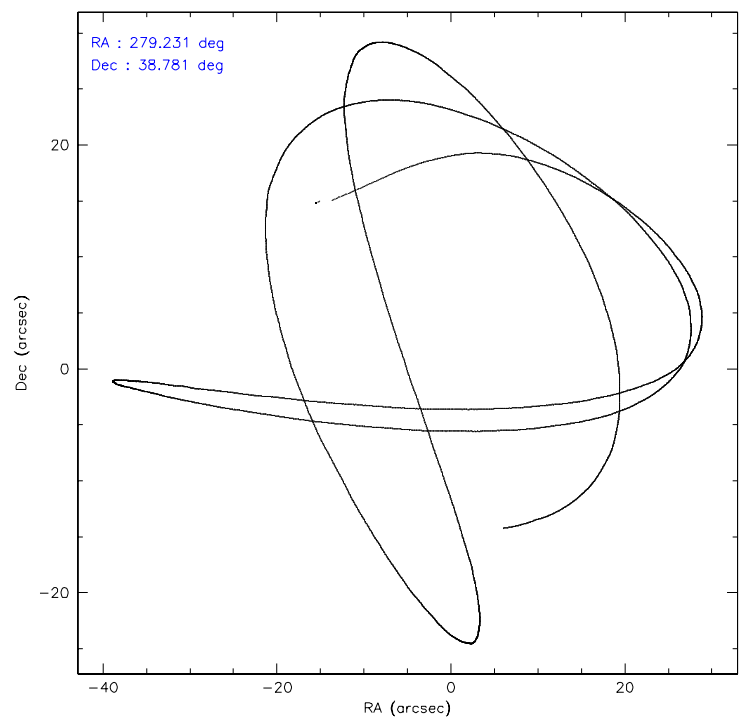
Level 1 Events

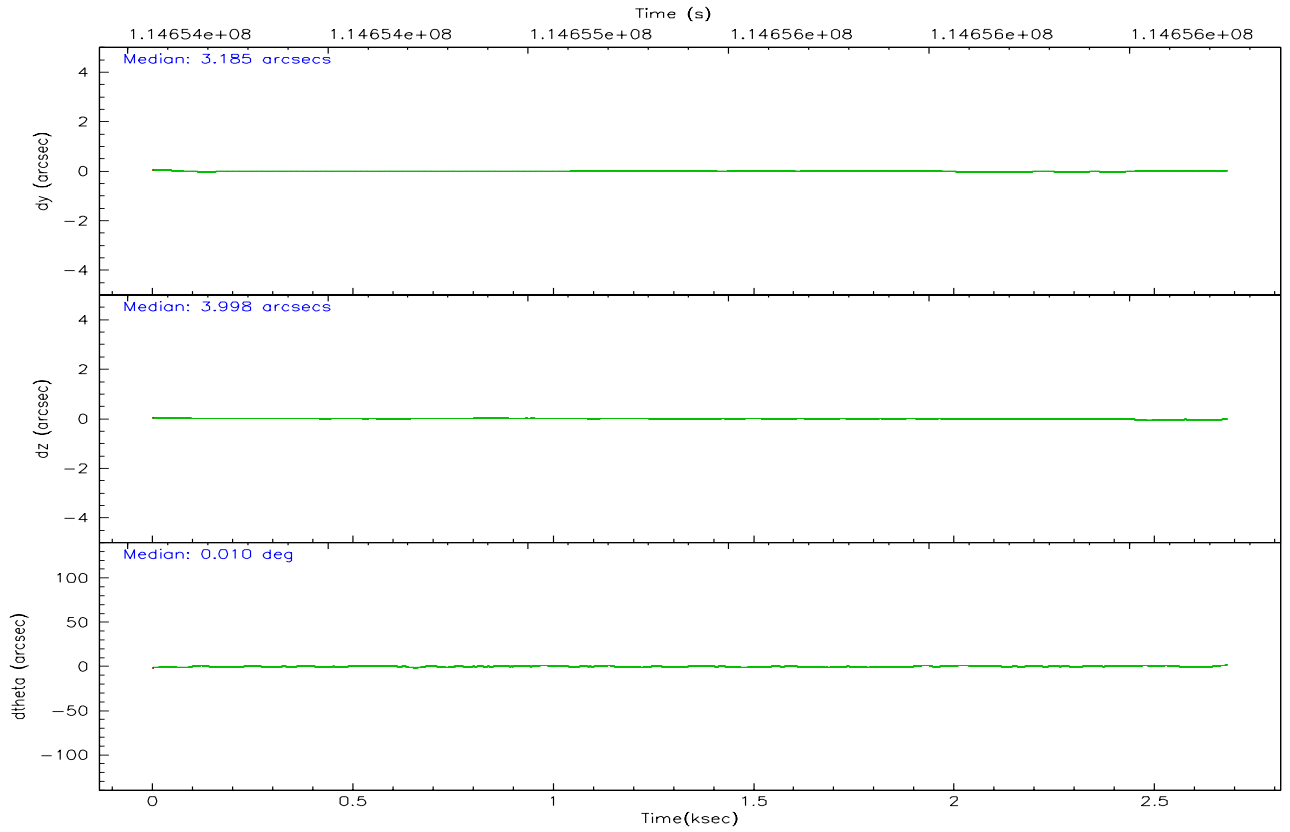
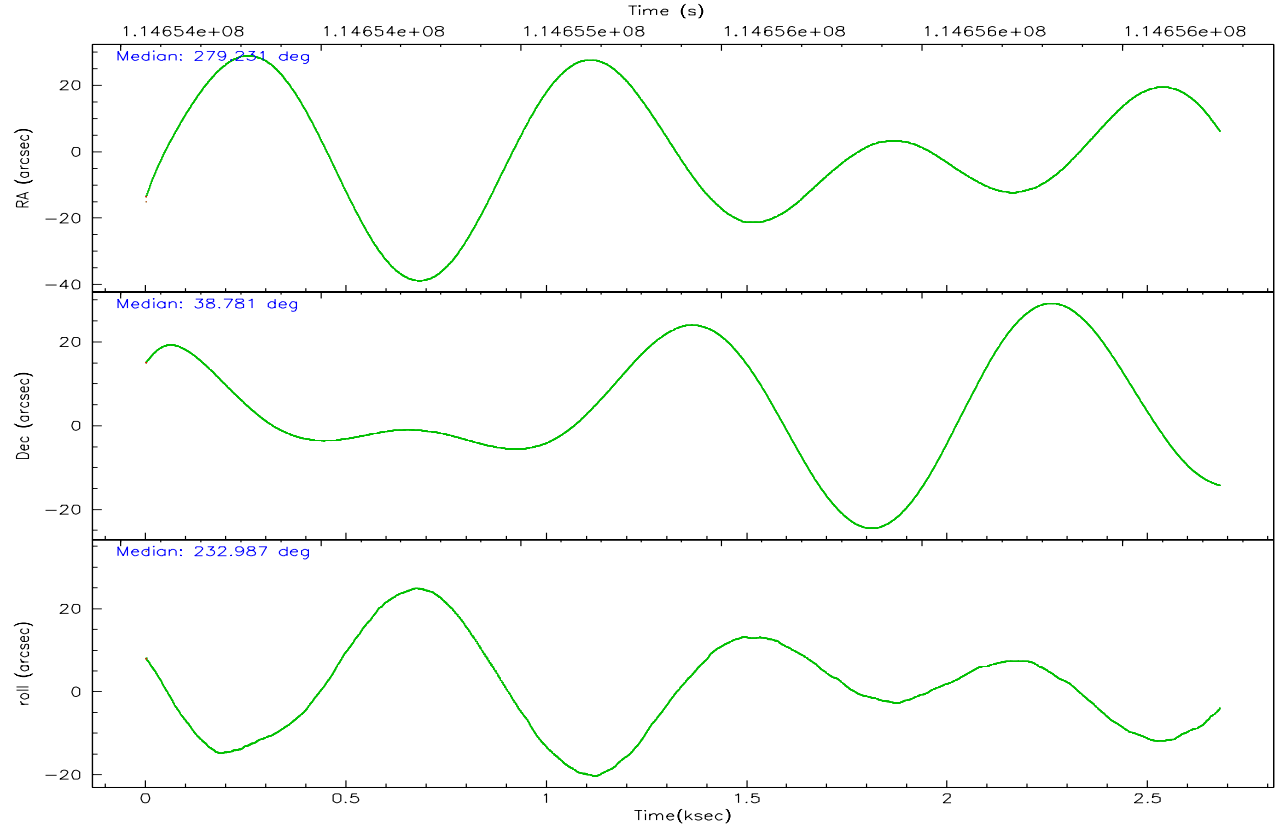
	segment 0
level 1 events	179563
rejected events	36733
rejected %	20%

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	279.233614	279.2308685006074			
Pointing Dec	38.808645	38.78186629571157			
Pointing Roll	233.088388	232.9946284113652			
Window start time	113011264.184000	113011264.184000			
Window stop time	115516864.184000	115516864.184000			
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	114654245.184000	114653450.06374			
Observation start date	2001-08-20T00:23:01	2001-08-20T00:10:50			
Observation end time	114656745.184000	114656880.22637			
Observation end date	2001-08-20T01:04:41	2001-08-20T01:08:00			

2.3 Aspect



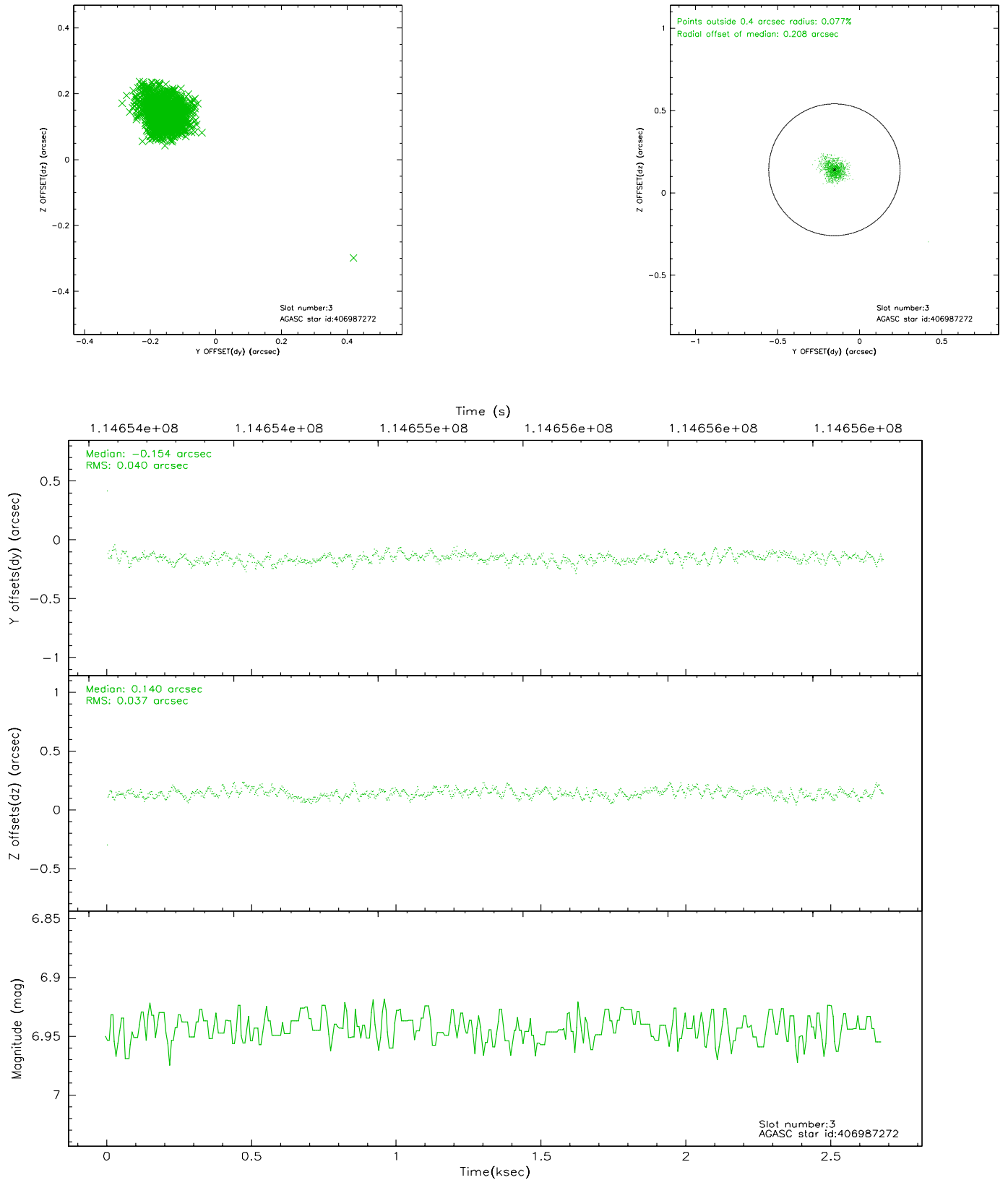


Slot Statistics

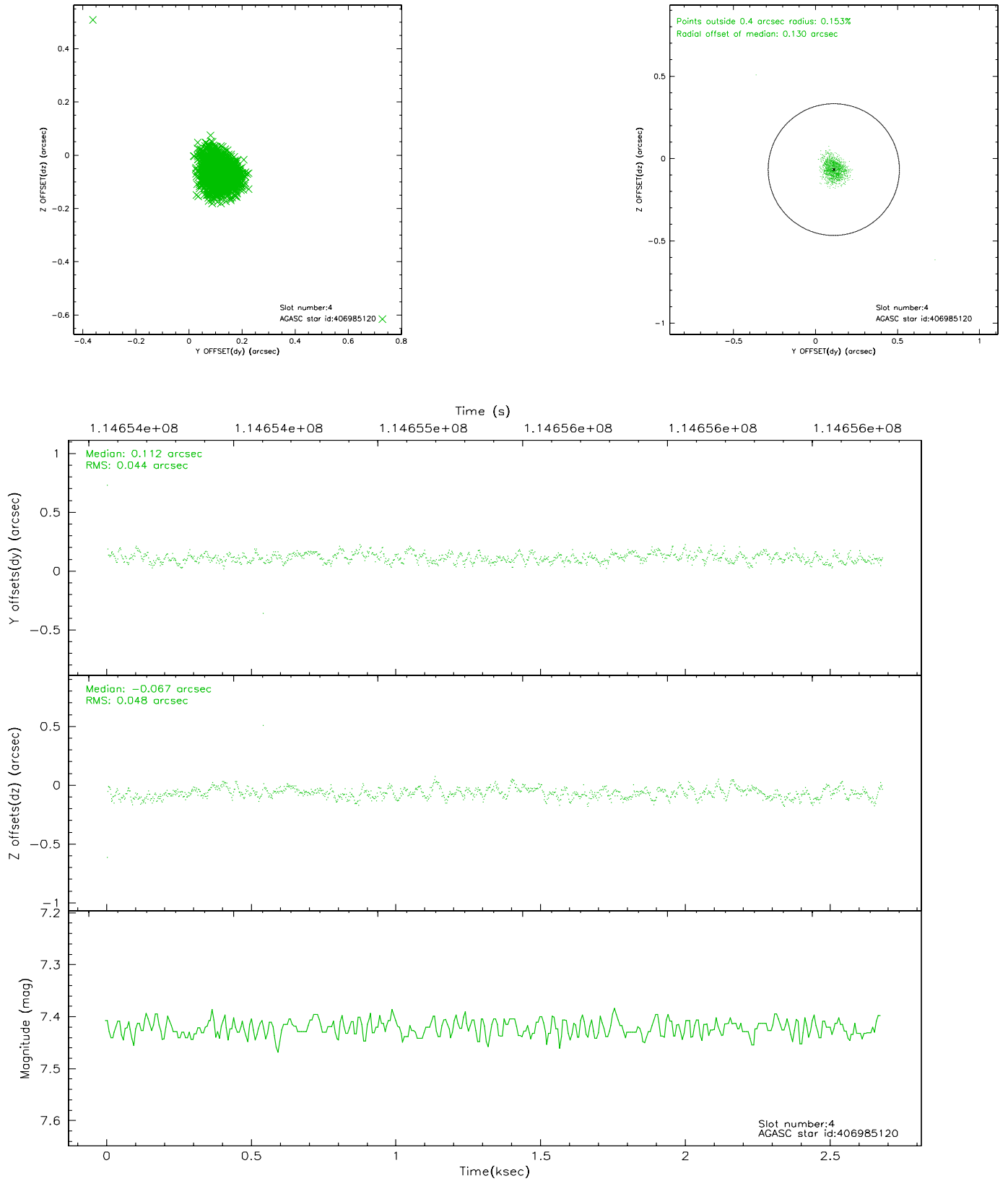
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	654	0.071	0.086	0.006	0.010	0.000000	0.000000	-758.62	-1291.65
1	FID	HRC-I-3	7.05	654	0.017	-0.094	0.007	0.011	0.000000	0.000000	-1188.27	1010.76
2	FID	HRC-I-4	6.98	654	0.027	-0.082	0.005	0.008	0.000000	0.000000	1282.36	1011.85
3	GUIDE	406987272	6.94	1307	-0.154	0.140	0.055	0.089	278.536588	38.437504	2244.88	-774.07
4	GUIDE	406985120	7.42	1308	0.112	-0.067	0.061	0.100	278.839732	38.894839	416.97	-1071.60
5	GUIDE	406989616	8.22	1307	0.098	-0.030	0.061	0.099	279.202881	38.520843	882.93	551.49
6	GUIDE	406983600	8.93	1308	0.004	0.029	0.072	0.120	279.940957	39.020708	-1801.96	1118.37
7	GUIDE	406985256	8.61	1307	-0.065	-0.082	0.058	0.095	278.693335	38.842203	810.59	-1286.43

2.4 Star Slots

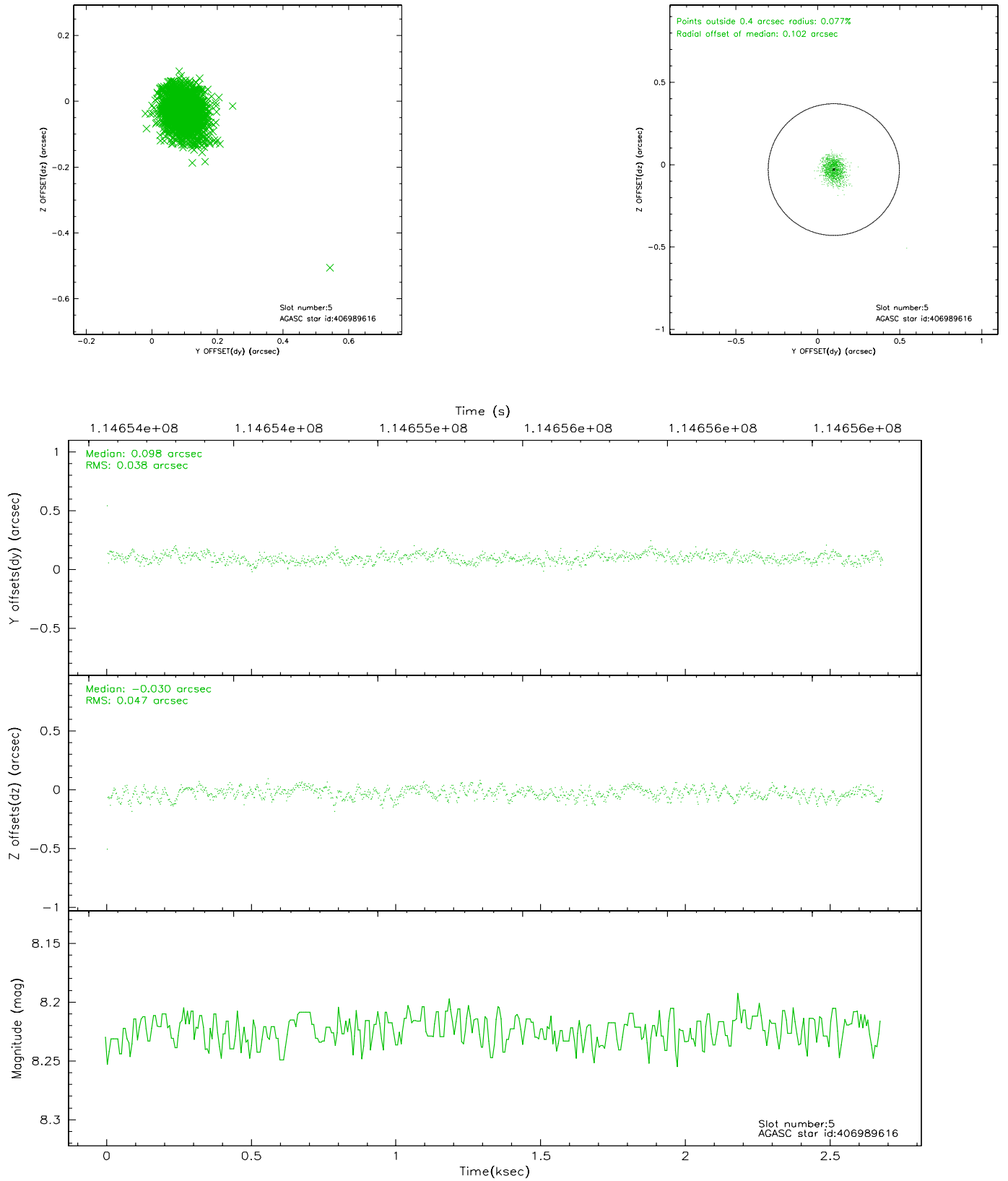
2.4.1 Slot 3



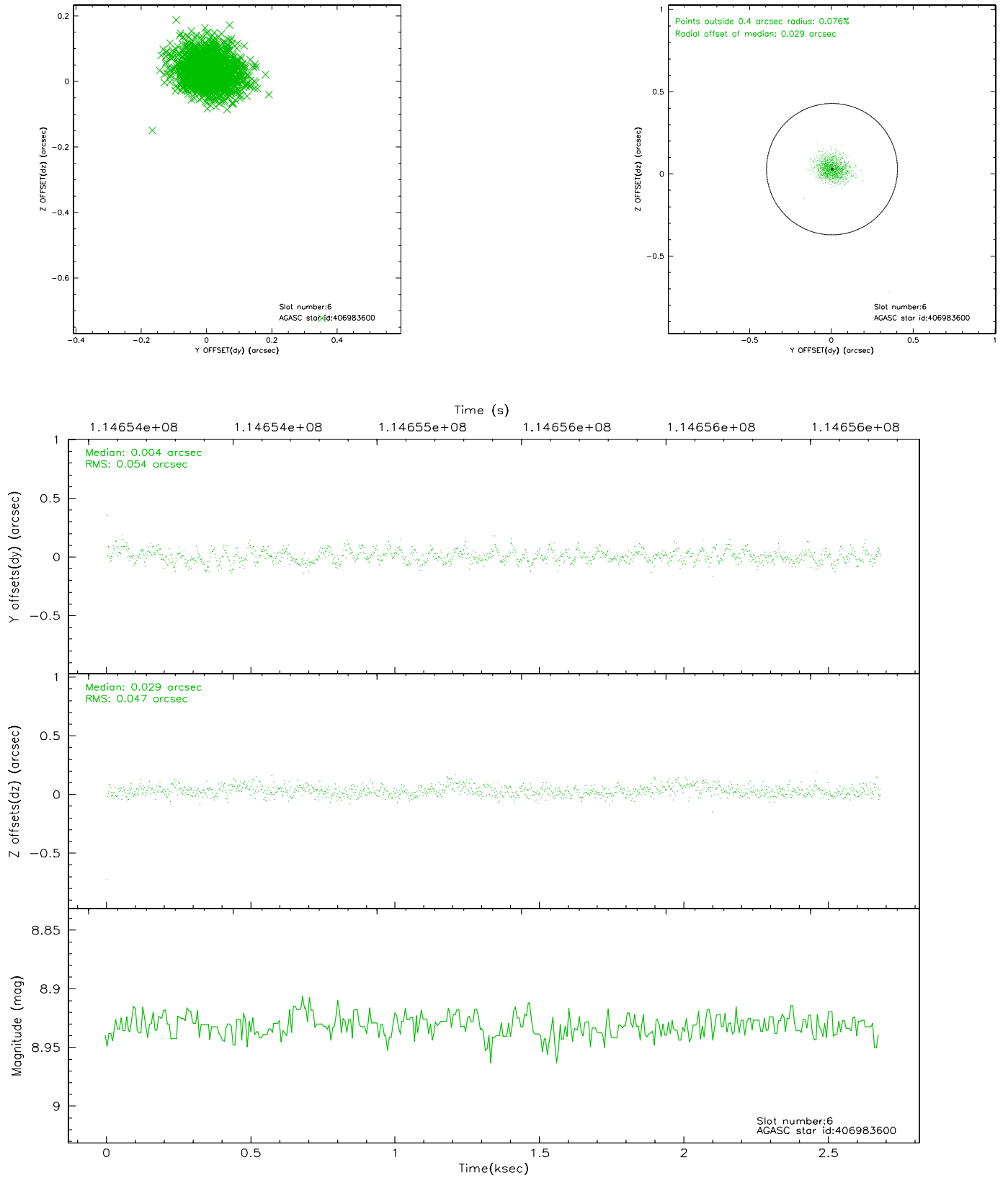
2.4.2 Slot 4



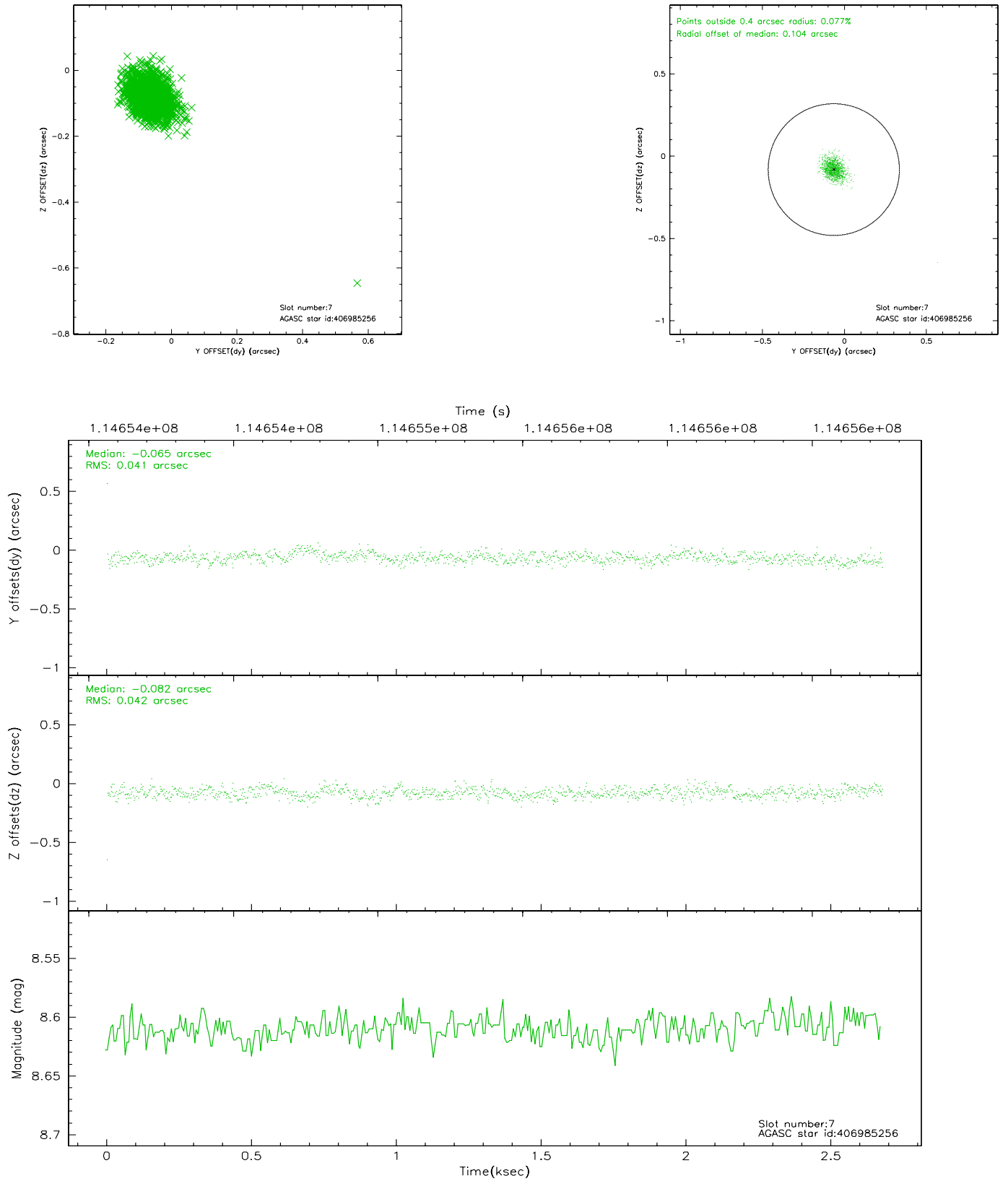
2.4.3 Slot 5



2.4.4 Slot 6

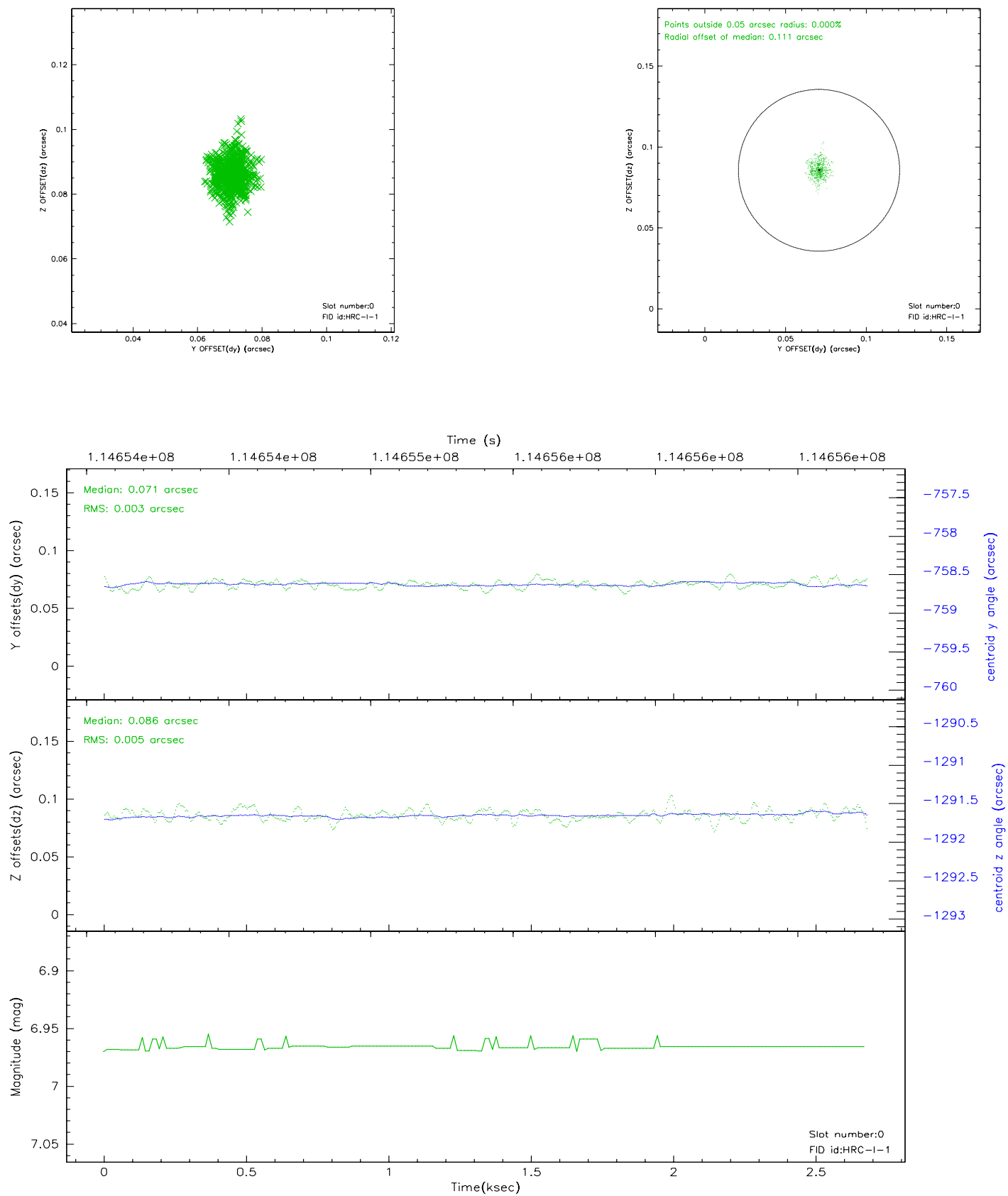


2.4.5 Slot 7

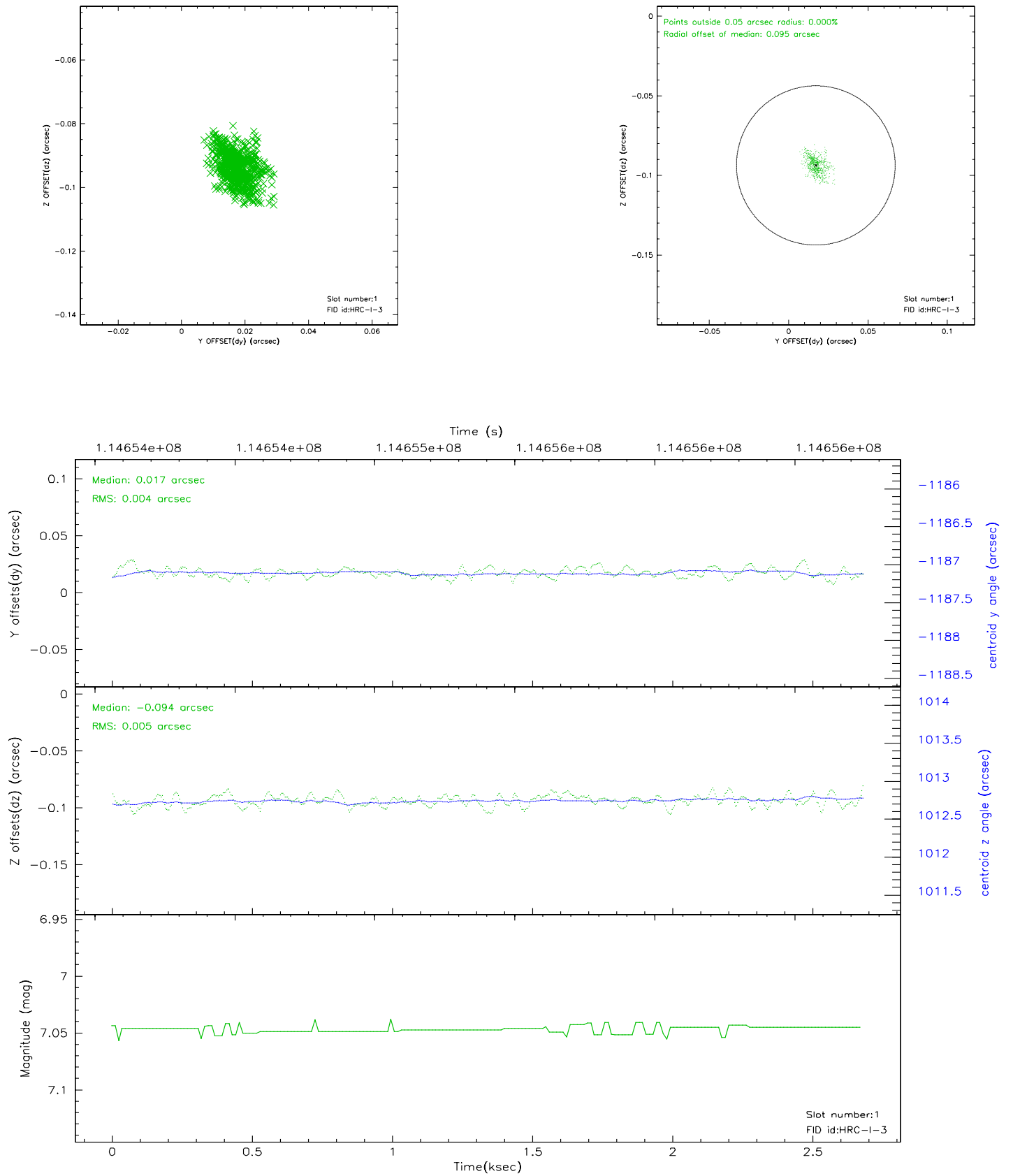


2.5 FID Slots

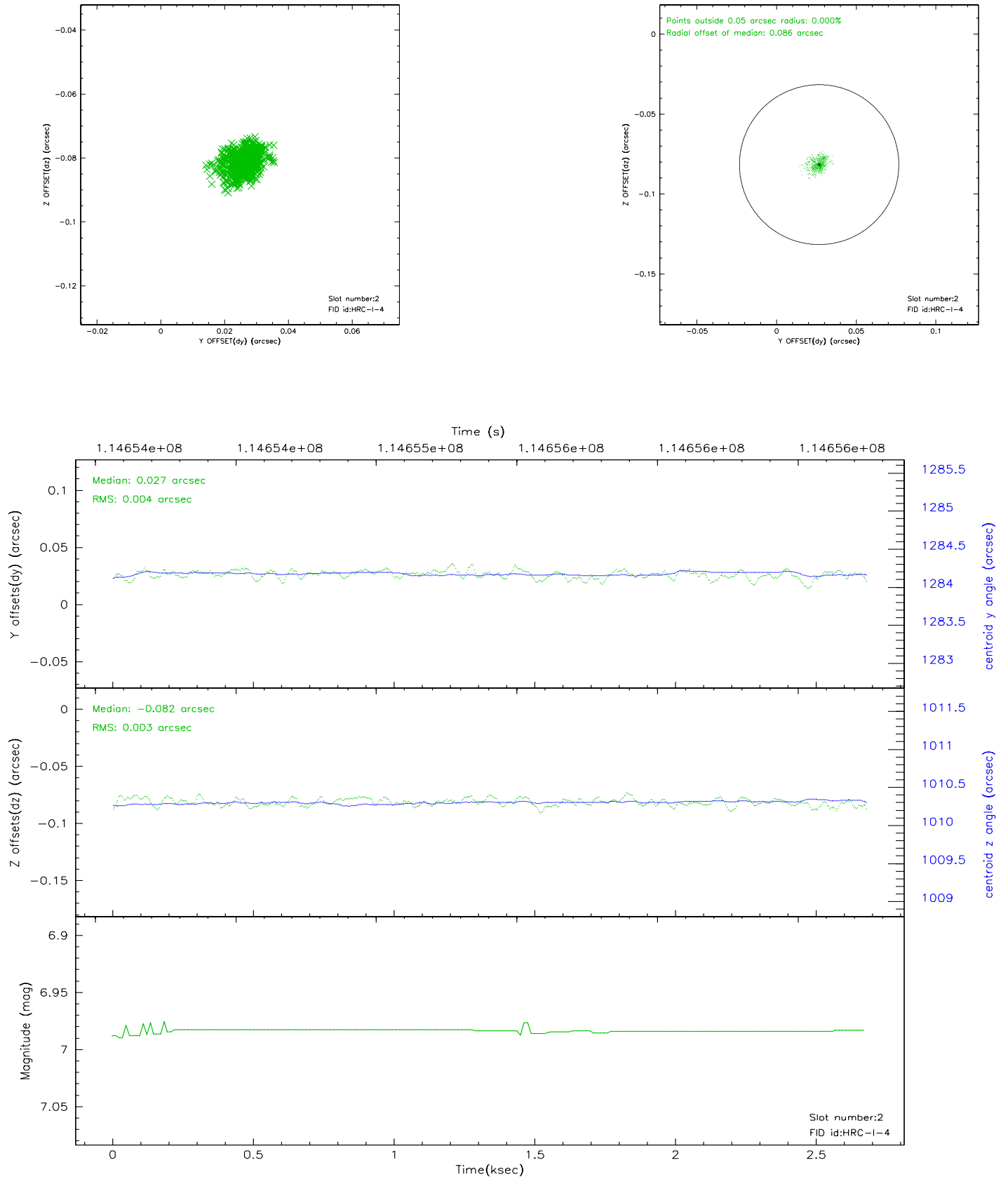
2.5.1 Slot 0



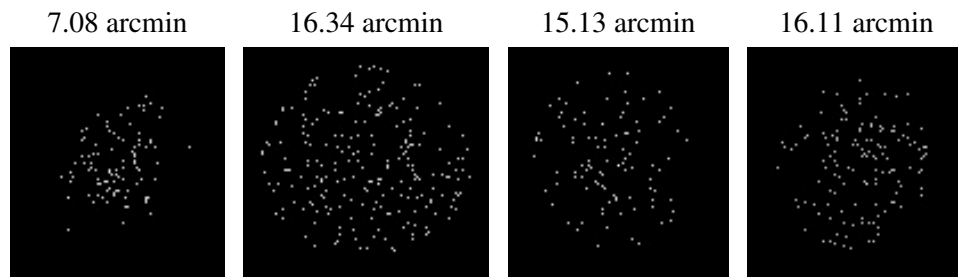
2.5.2 Slot 1



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	2.396

A.2 Comments

Monitor constraint met. No Xray sources at target coordinates.

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.