

V&V Reference Report

L2 ASCDS Version : 7.6.7

Observation 5965 - L2 Version 3
Chandra X-Ray Center

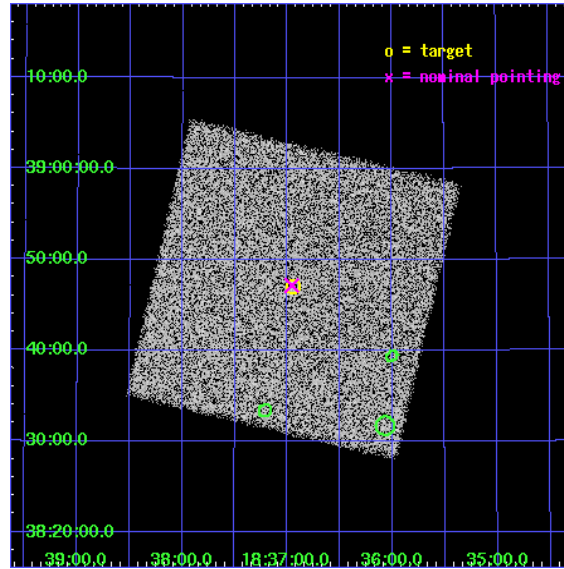
L2 Processing Date : Nov 24 2007

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1 Front

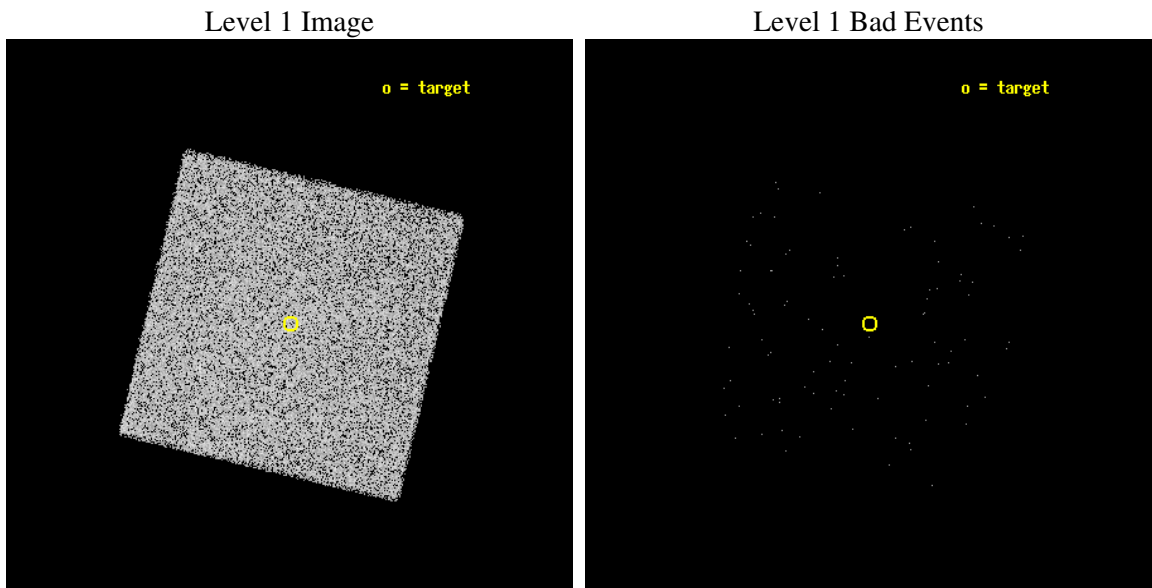
seq_num	290457
obs_id	5965
title	AO6 Measurements of the optical/UV Transmission of the HRC and ACIS Filters.
observer	Dr. CXC Calibration
object	Vega
ra_targ	279.235
dec_targ	38.783778
ra_nom	279.23890156825
dec_nom	38.786330378828
roll_nom	58.296791556758
revision	3
ontime	1795.0313312709
livetime	1783.6089819042
l2events	60335



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	2007-11-24T07:06:42
revision	3

sched_exp_time	2000.000000
ontime	1795.0313312709
l1events	93203

2.1.3 Events

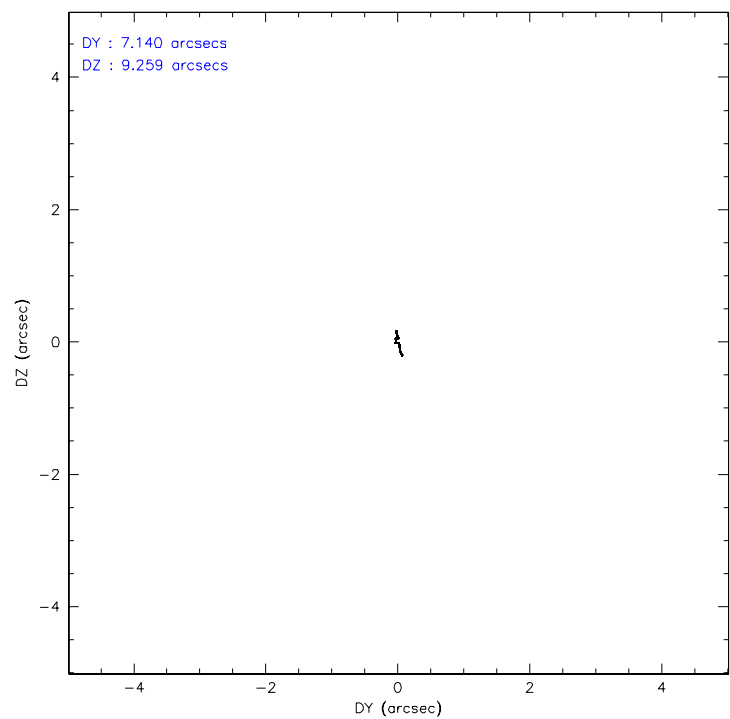
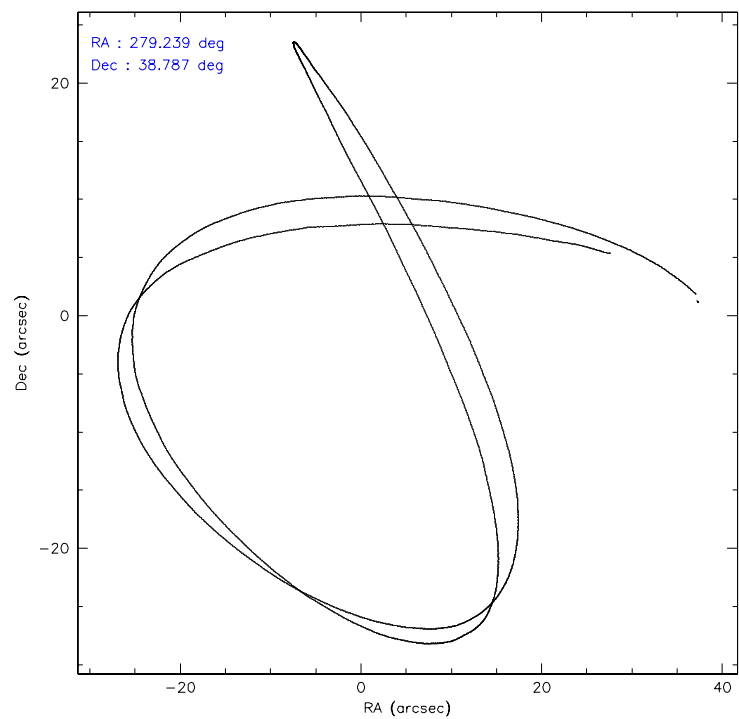
Level 1 Events

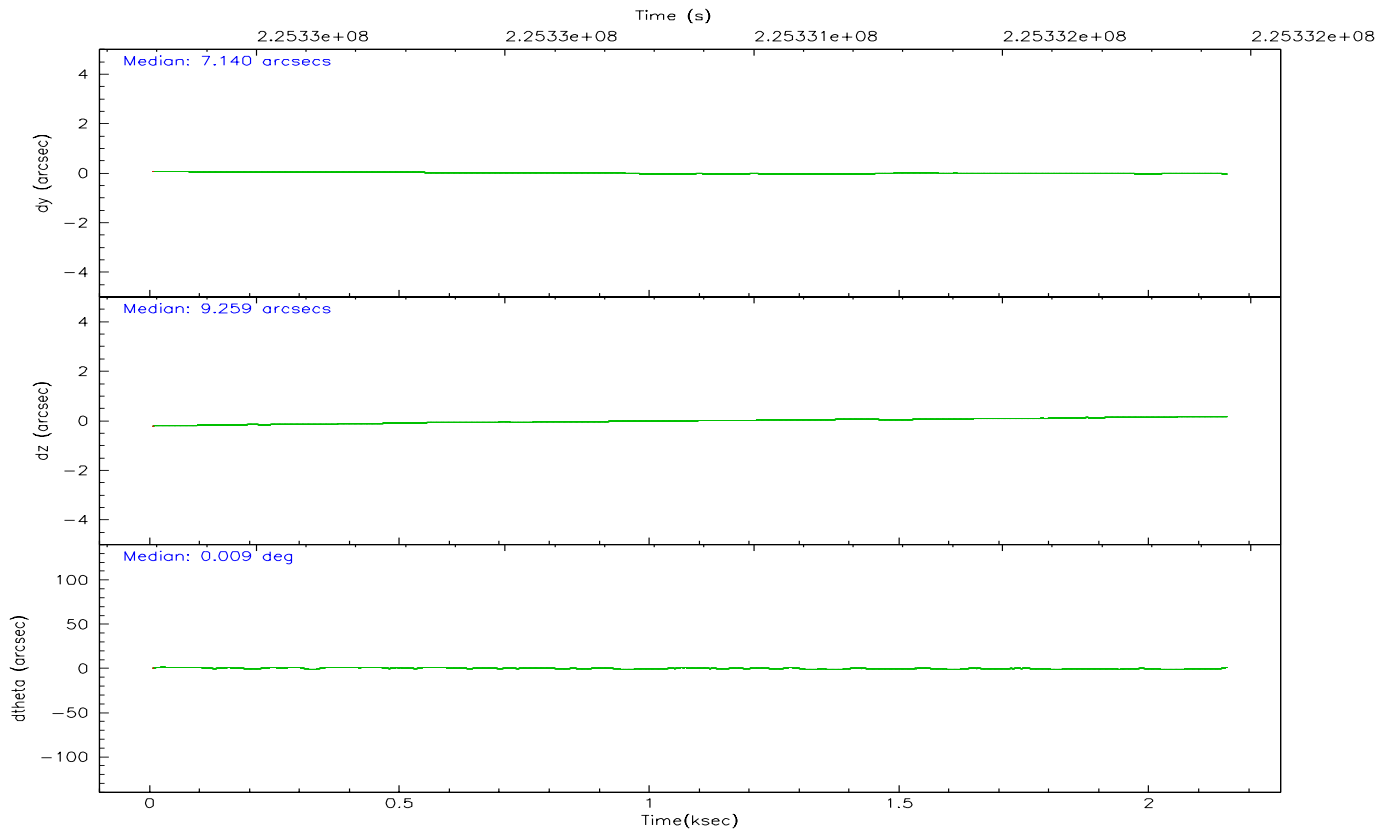
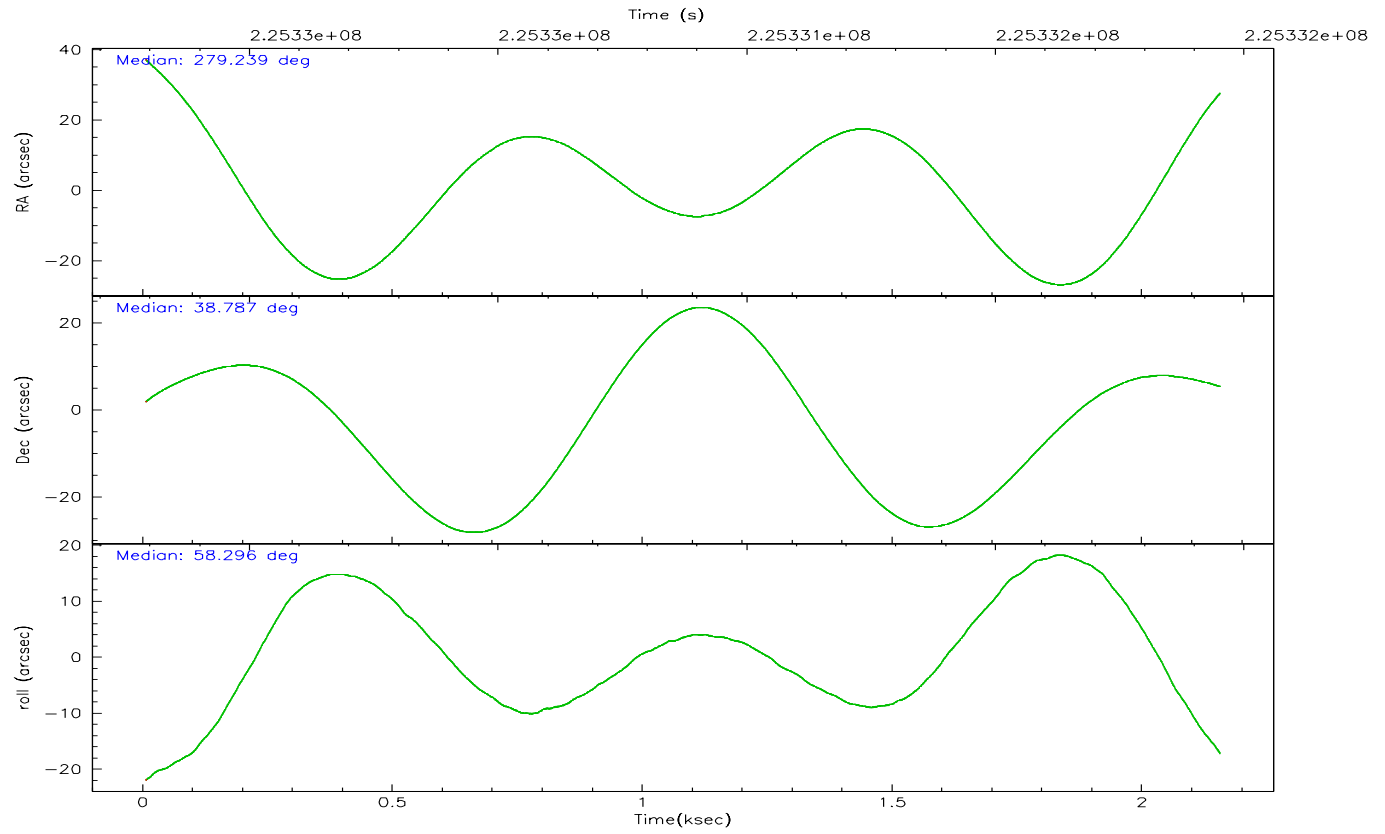
	segment 0
level 1 events	93203
rejected events	3399
rejected %	3%

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	279.239124	279.2389015682464			
Pointing Dec	38.759109	38.78633037882813			
Pointing Roll	58.392157	58.29679155675799			
Window start time	223603264.184000	223603264.184000			
Window stop time	228614464.184000	228614464.184000			
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	225329949.184000	225329551.76094			
Observation start date	2005-02-20T23:38:05	2005-02-20T23:32:31			
Observation end time	225331949.184000	225332086.07356			
Observation end date	2005-02-21T00:11:25	2005-02-21T00:14:46			

2.3 Aspect



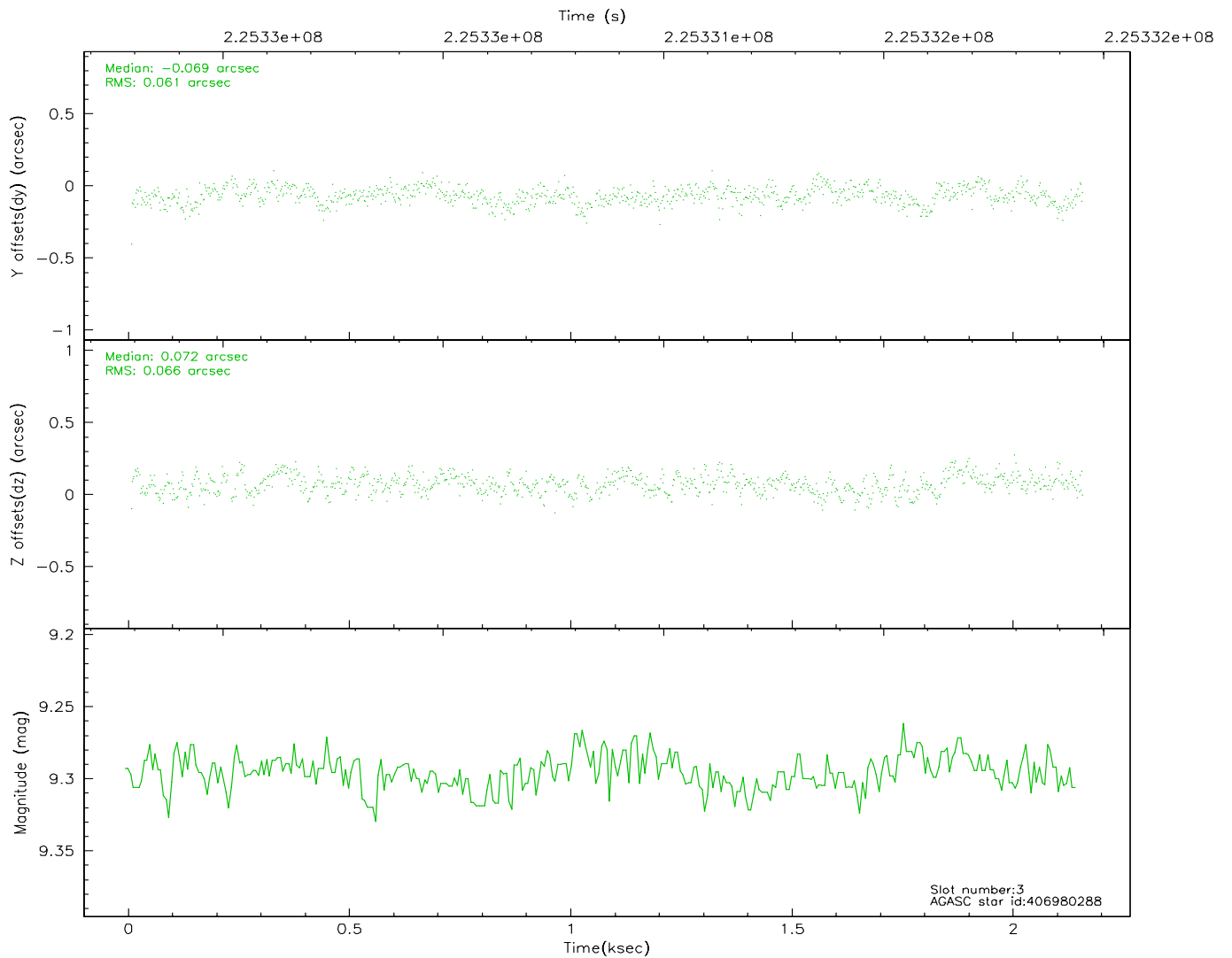
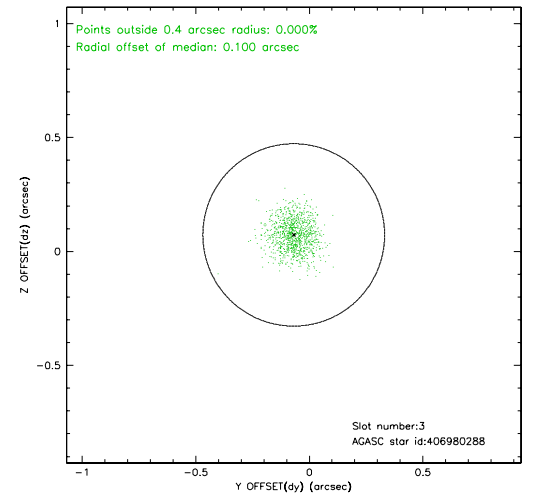
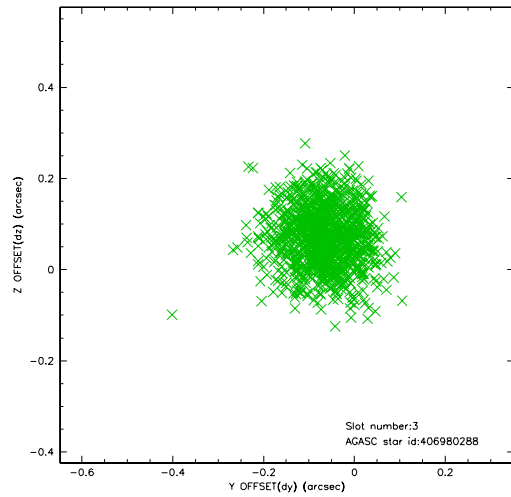


Slot Statistics

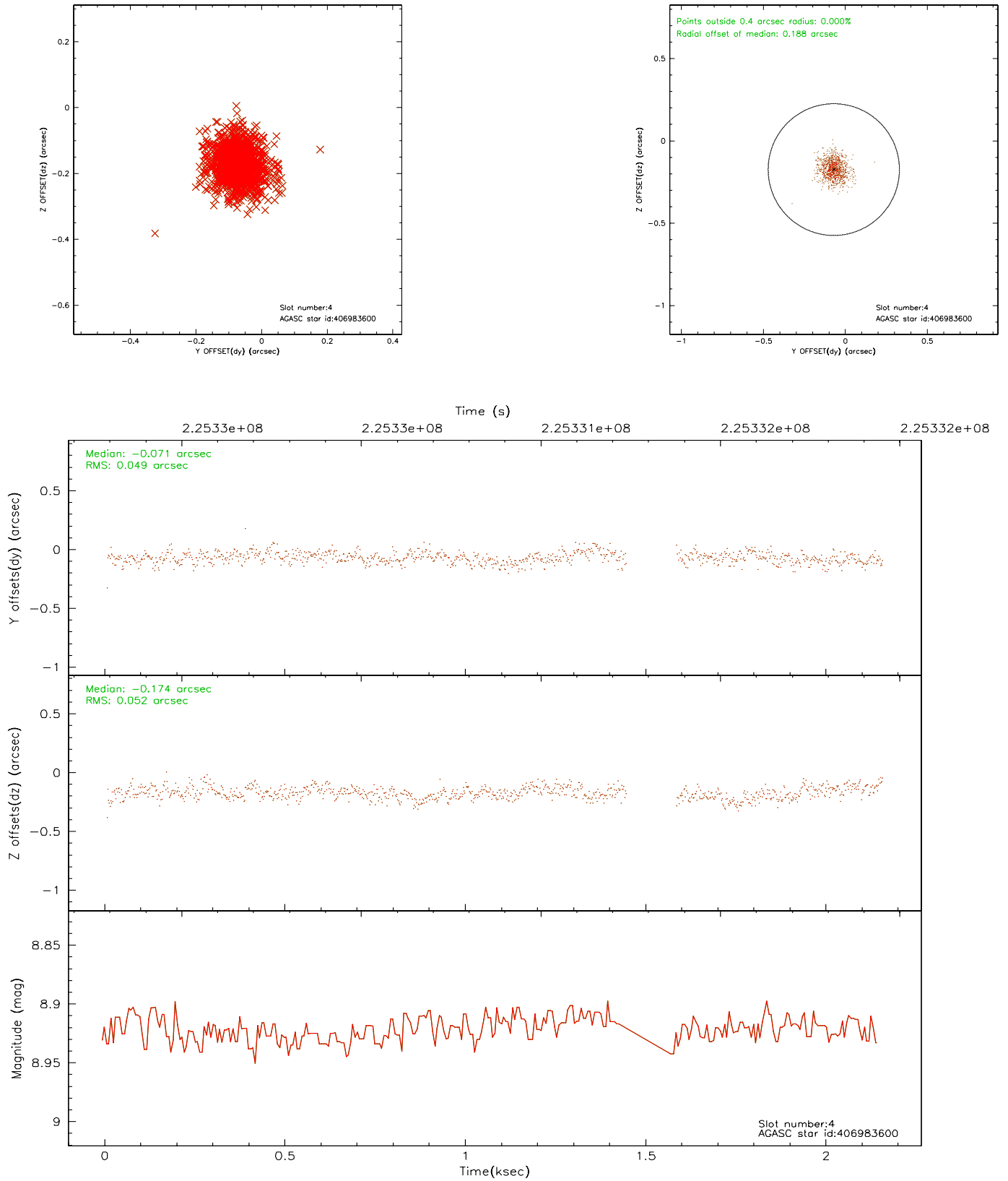
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.99	525	-0.008	0.057	0.007	0.011	0.000000	0.000000	-762.75	-1297.10
1	FID	HRC-I-2	7.03	525	0.115	-0.079	0.007	0.012	0.000000	0.000000	848.55	-1301.29
2	FID	HRC-I-3	7.07	525	0.013	-0.068	0.008	0.013	0.000000	0.000000	-1189.59	1004.86
3	GUIDE	406980288	9.30	1044	-0.069	0.072	0.095	0.150	278.903147	39.061646	438.62	1370.40
4	BAD	406983600	8.92	982	-0.071	-0.174	0.075	0.121	279.940957	39.020708	1837.15	-1175.78
5	GUIDE	406985120	7.42	1050	-0.064	0.083	0.072	0.118	278.839732	38.894839	-166.30	1208.11
6	GUIDE	406987272	6.94	1050	0.048	-0.158	0.056	0.089	278.536588	38.437504	-2017.52	1084.33
7	GUIDE	406989616	8.23	1049	0.145	0.161	0.078	0.128	279.202881	38.520843	-785.46	-362.70

2.4 Star Slots

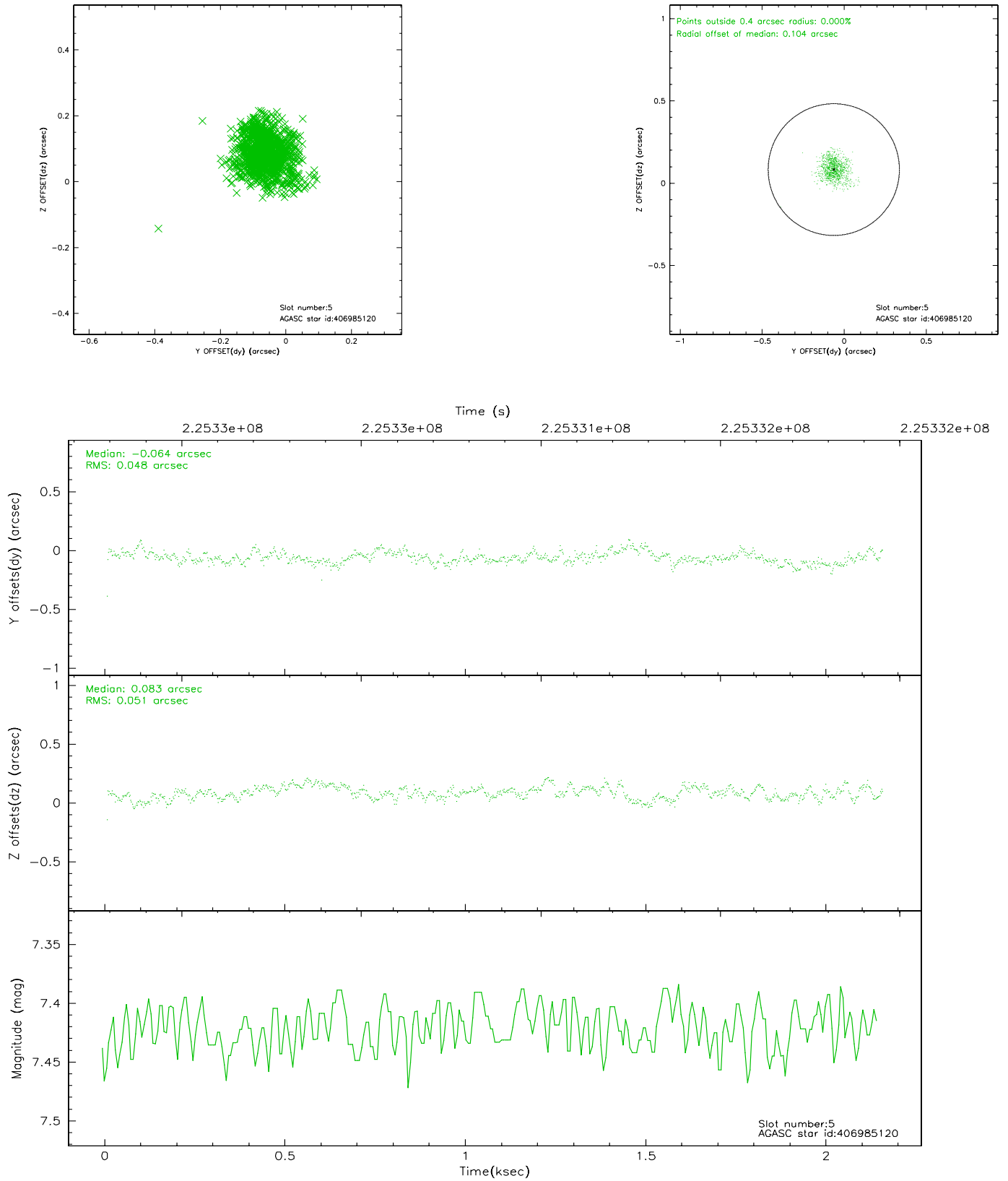
2.4.1 Slot 3



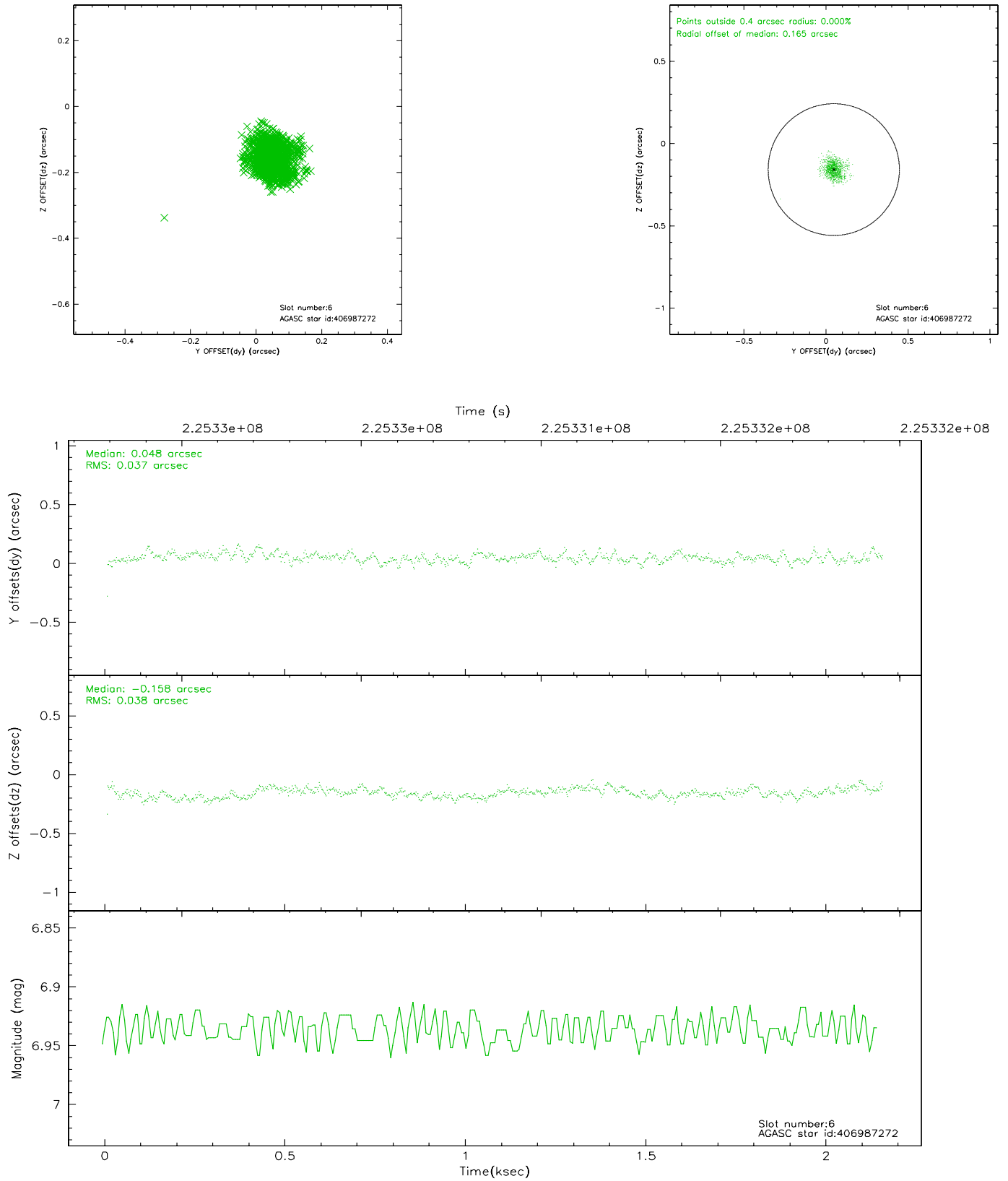
2.4.2 Slot 4



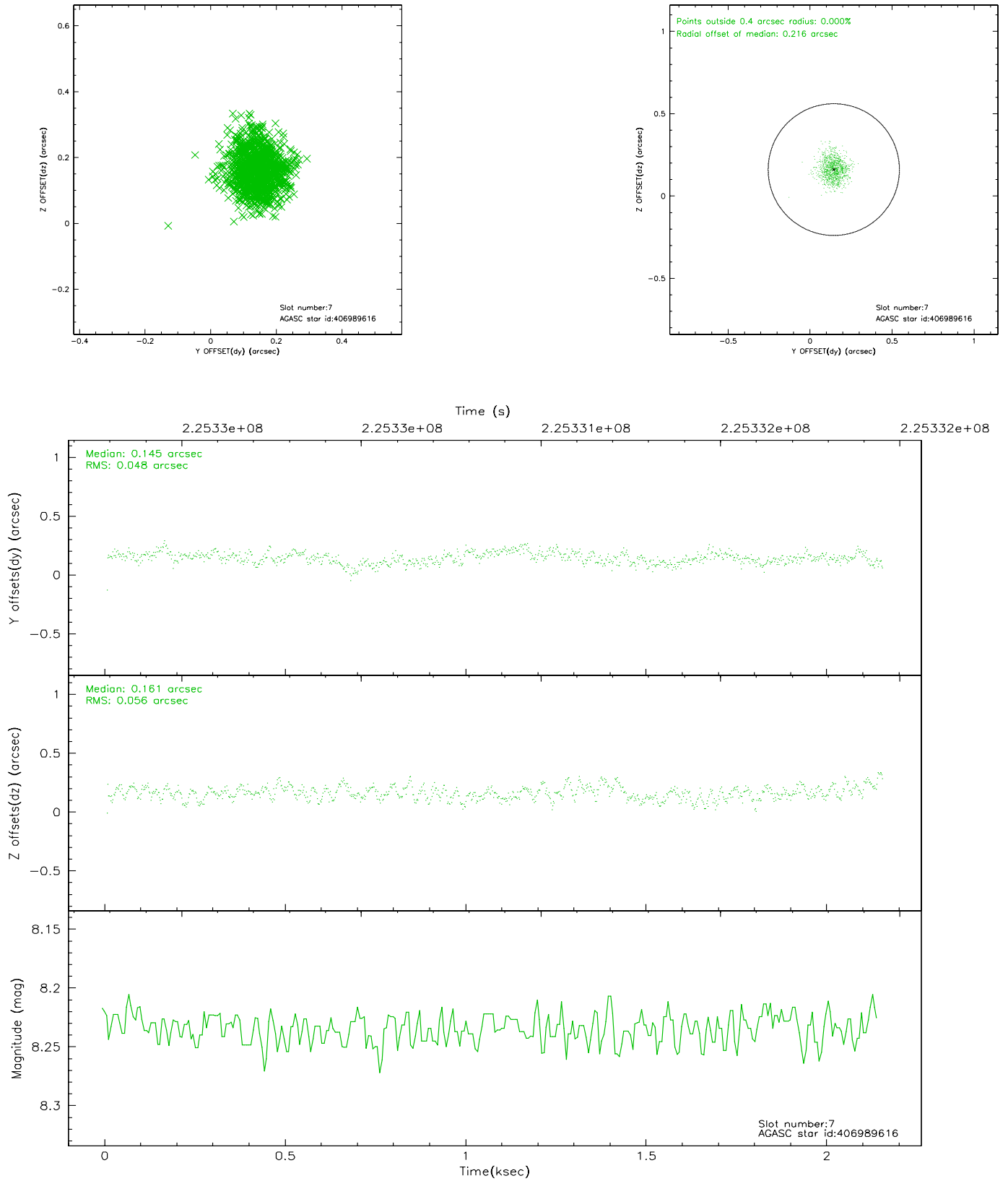
2.4.3 Slot 5



2.4.4 Slot 6

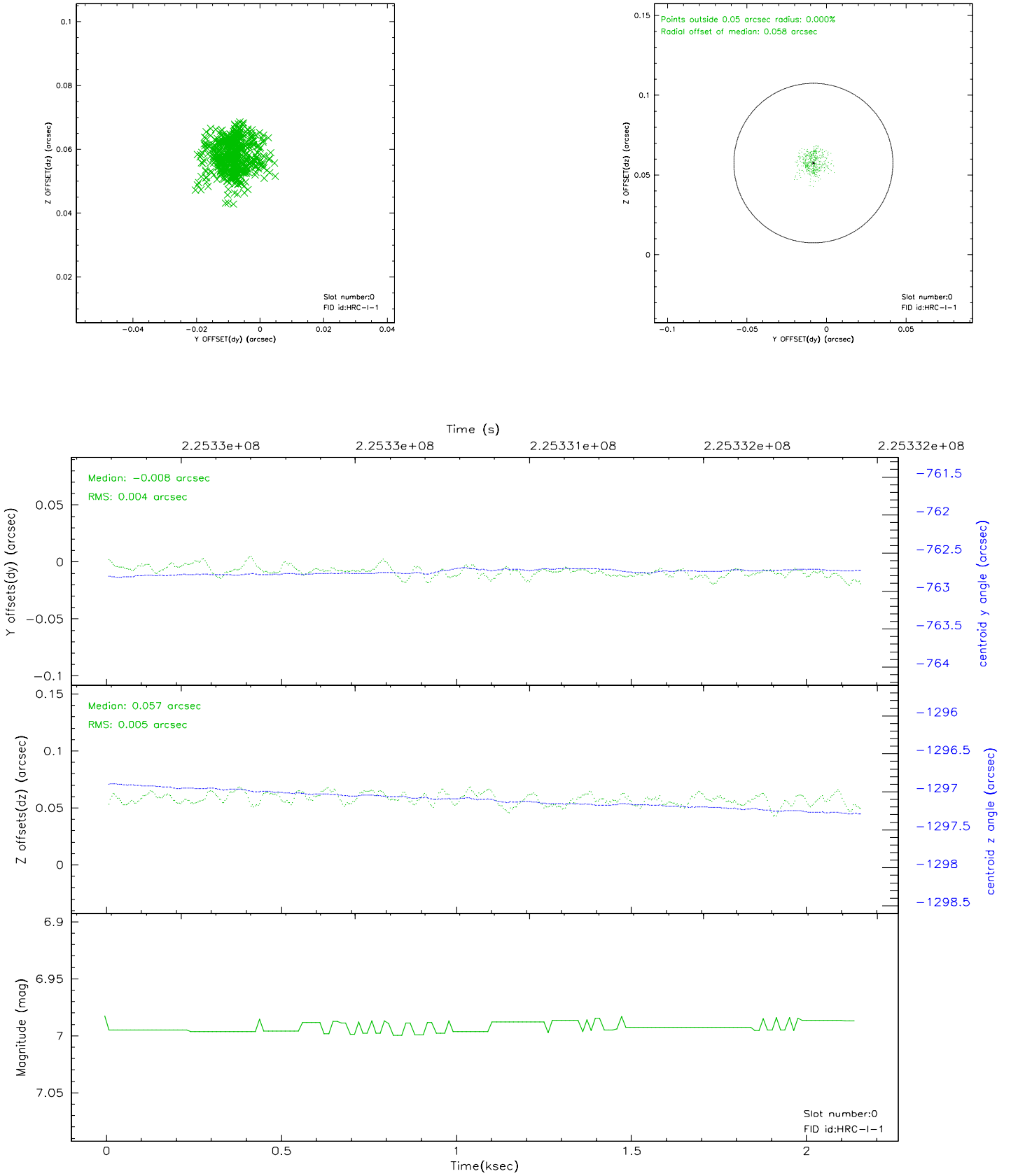


2.4.5 Slot 7

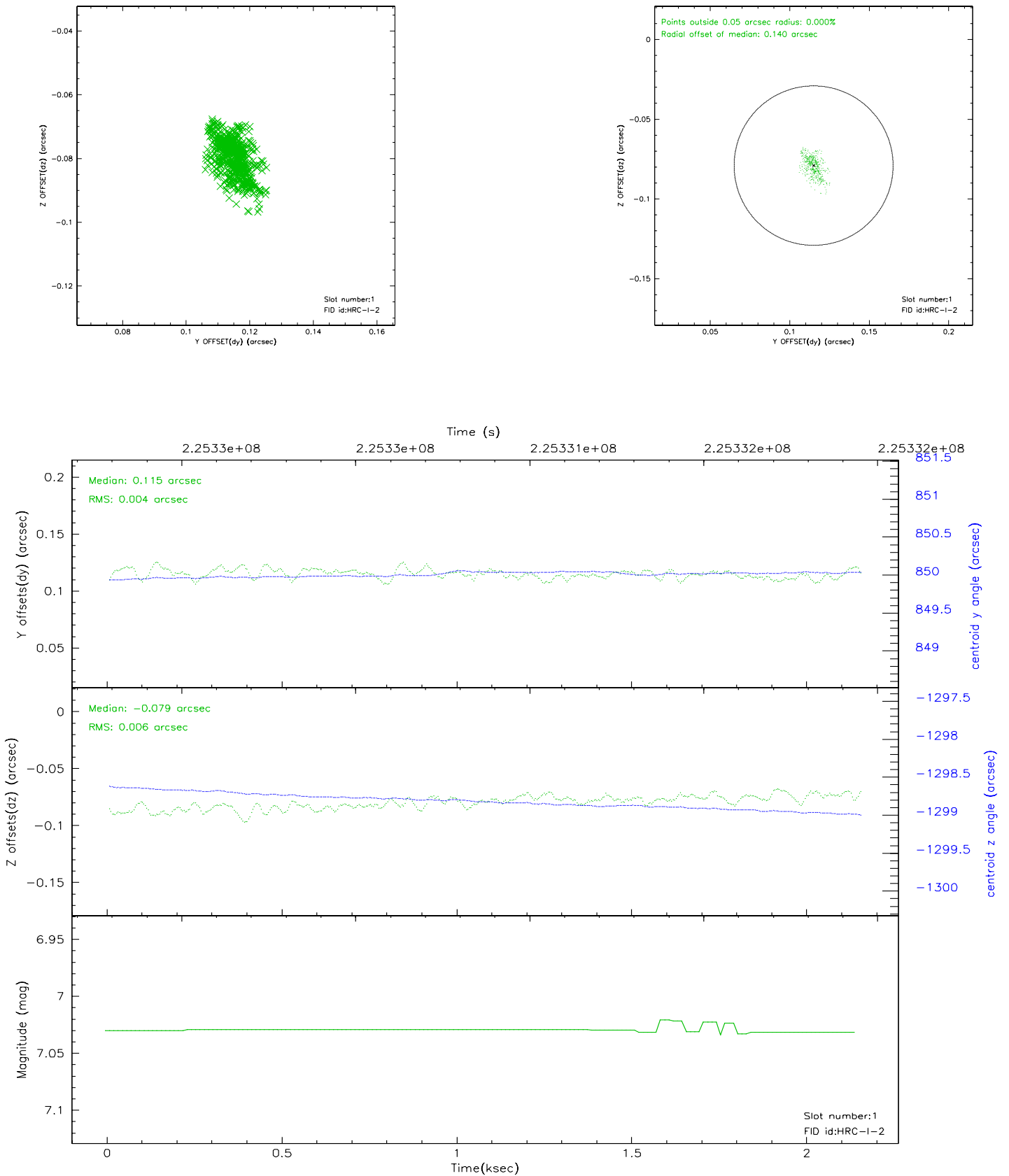


2.5 FID Slots

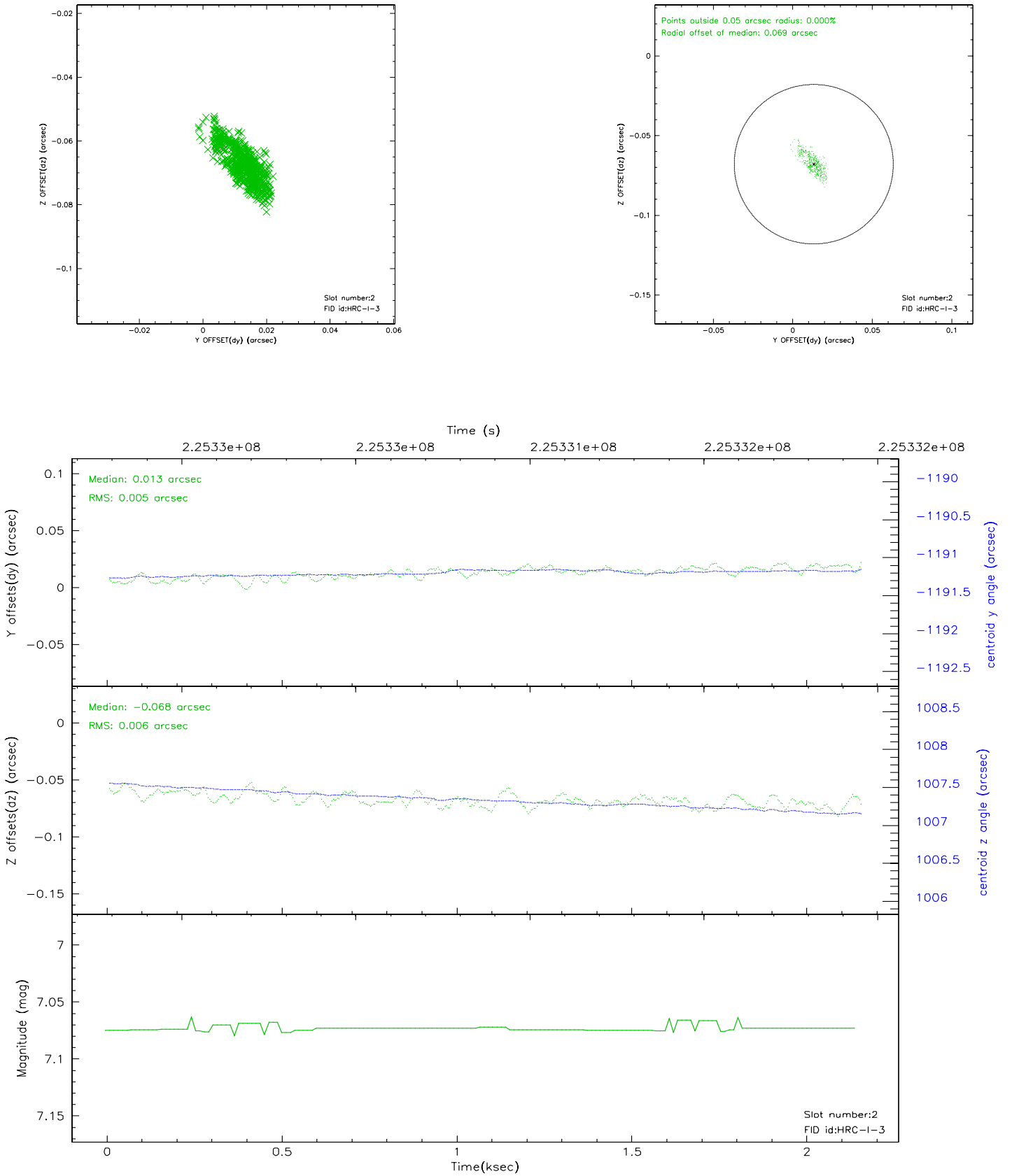
2.5.1 Slot 0



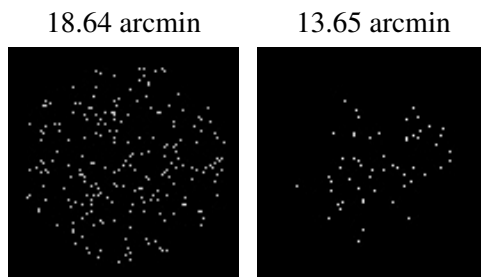
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.12.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.795031

A.2 Comments

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.

The guide star in slot 4 was removed from the aspect solution due to poor data quality. The aspect solution is not expected to be degraded by removing one fid light or guide star from the solution.