

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 992 - L2 Version 001
Chandra X-Ray Center

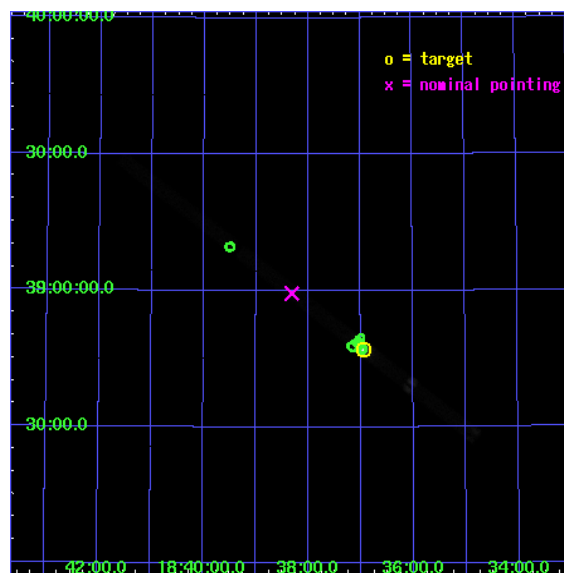
L2 Processing Date : Nov 6 2006

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1 Front

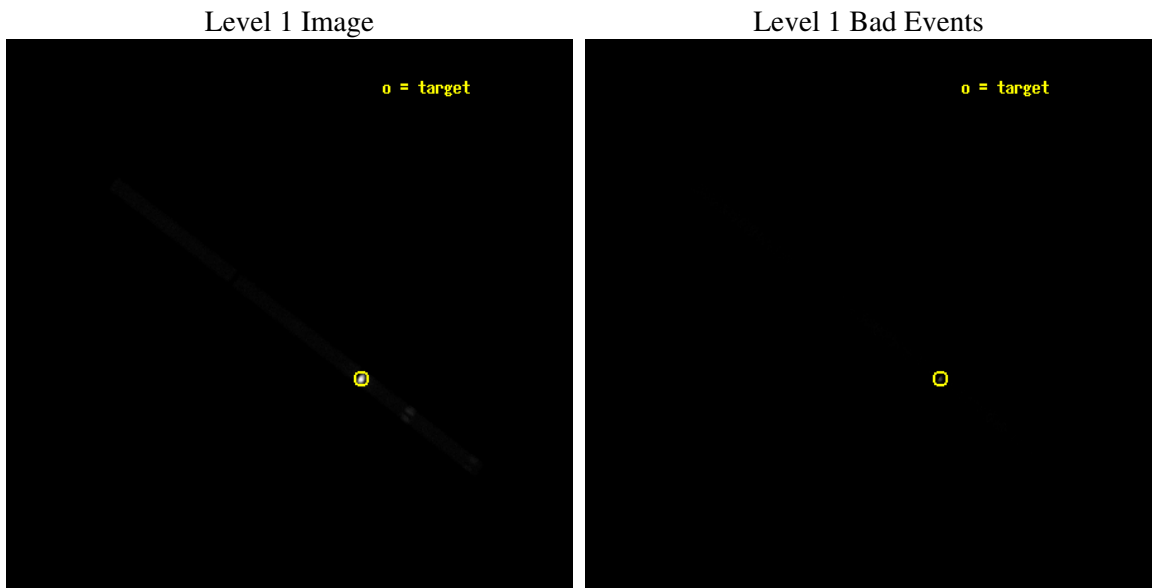
seq_num	290073
obs_id	992
title	CALIBRATION OBSERVATIONS OF VEGA TO MONITOR THE TRANSMISSION OF THE OPTICAL/UV FILTERS ON ACIS AND HRC
observer	Dr. CXC Calibration
object	VEGA, HRC-S, AO2
ra_targ	279.234792
dec_targ	38.783778
ra_nom	279.57803842779
dec_nom	38.990750149065
roll_nom	37.670276300479
revision	4
ontime	2690.6251036227
livetime	961.32422013875
l2events	419376



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-11-06T11:41:47
revision	3

sched_exp_time	2500.000000
ontime	2692.9313537031
l1events	534083

2.1.3 Events

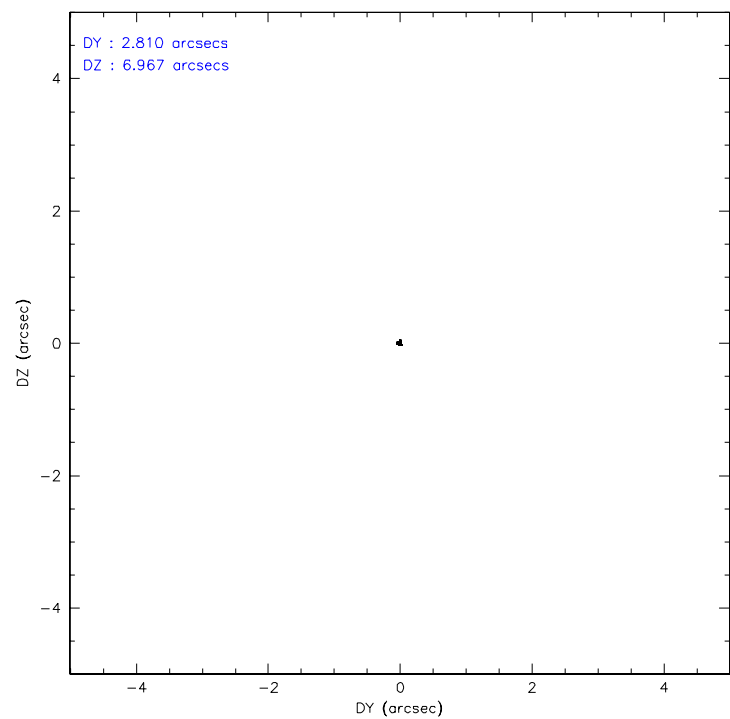
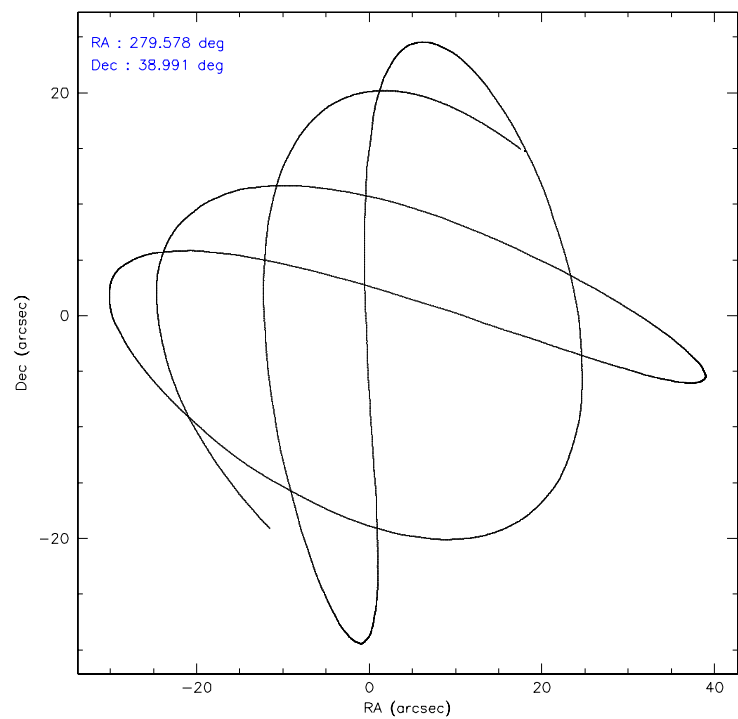
Level 1 Events

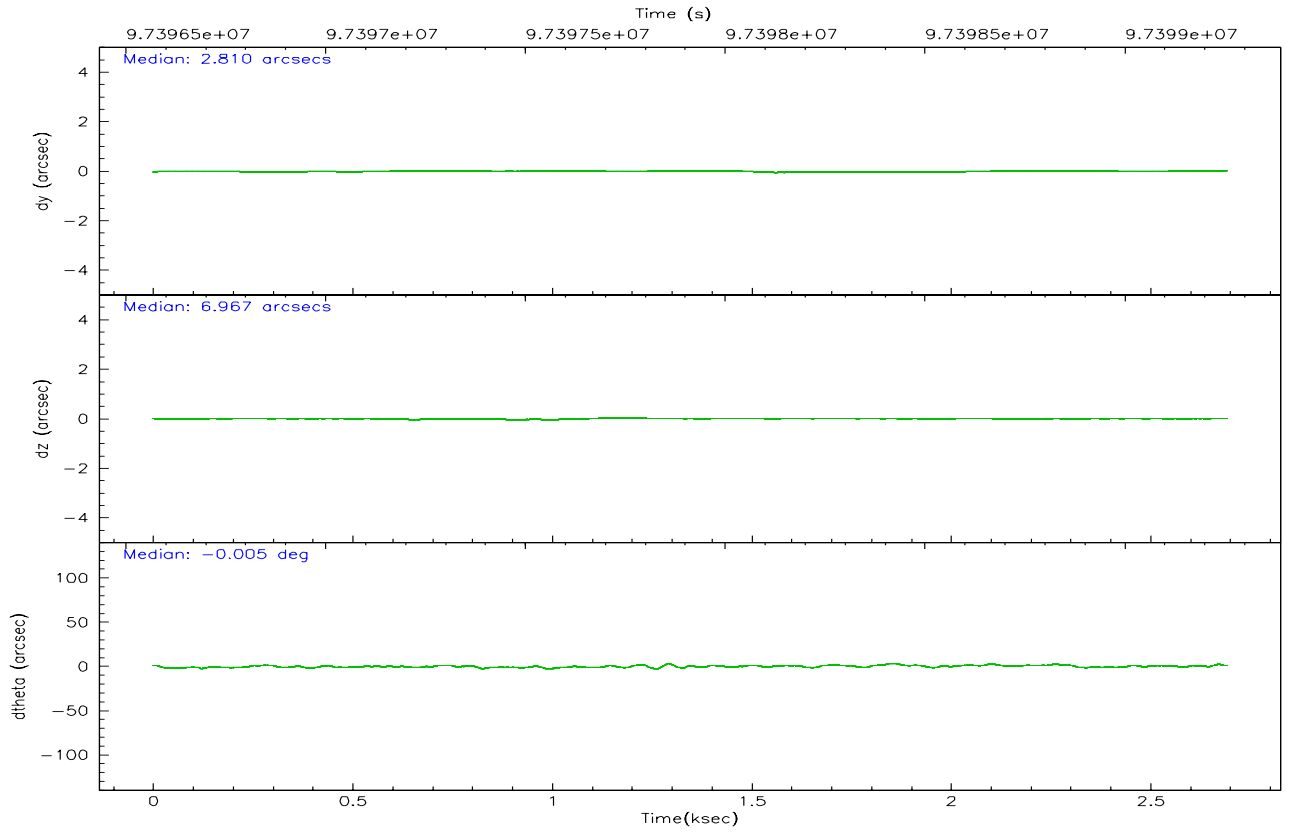
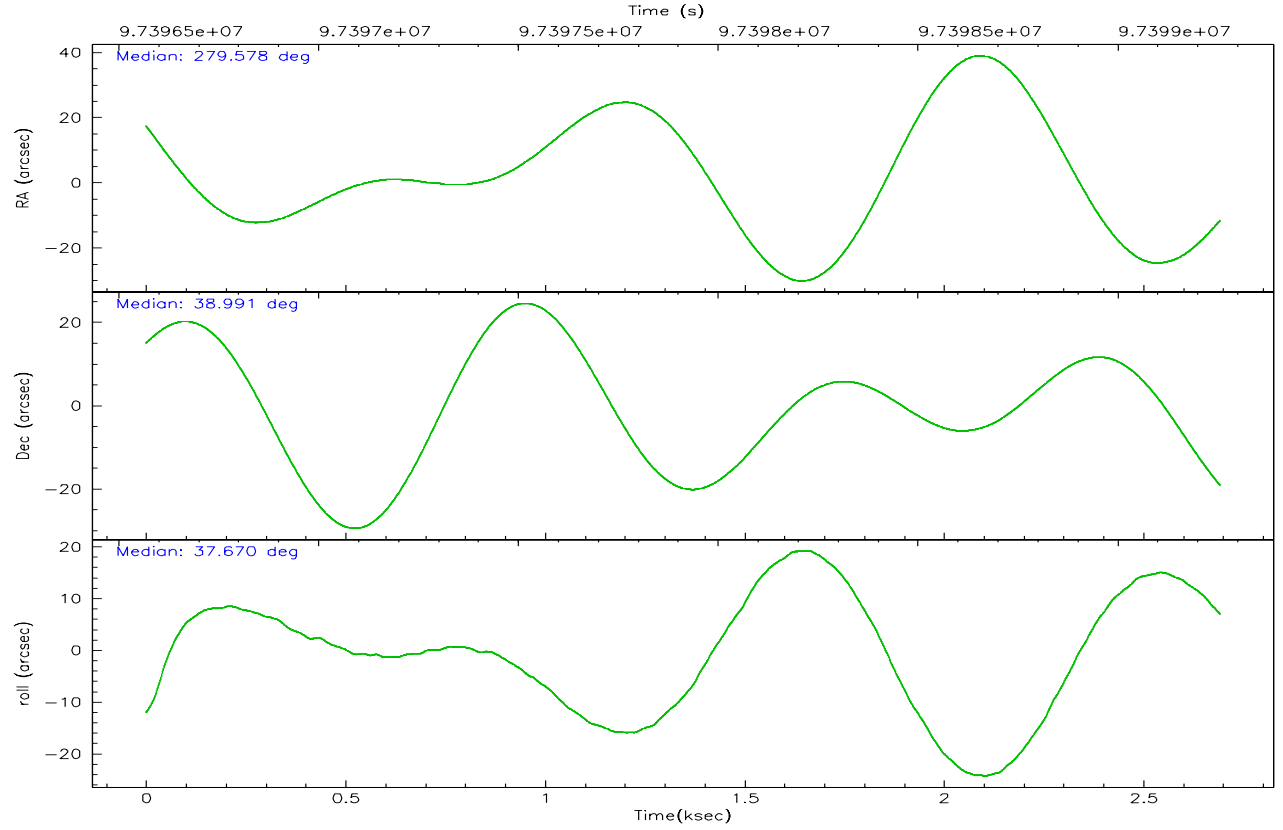
	segment 1	segment 2	segment 3
level 1 events	487985	23414	22684
rejected events	38594	6875	7558
rejected %	7%	29%	33%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
Pointing RA	279.566165	279.5780384277932			
Pointing Dec	38.963465	38.9907501490652			
Pointing Roll	37.610421	37.67027630047873			
Window start time	97372864.184000	97372864.184000			
Window stop time	99705664.184000	99705664.184000			
SIM focus pos (mm)	-1.429586	-1.428180813131781			
SIM defocus (mm)	0.1037507710433287	0.1051558262725154			
SIM translation stage pos (mm)	250.455976	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	97396759.184000	97396382.83005901			
Observation start date	2001-02-01T06:38:15	2001-02-01T06:33:02			
Observation end time	97399259.184000	97399513.69268			
Observation end date	2001-02-01T07:19:55	2001-02-01T07:25:13			

2.3 Aspect



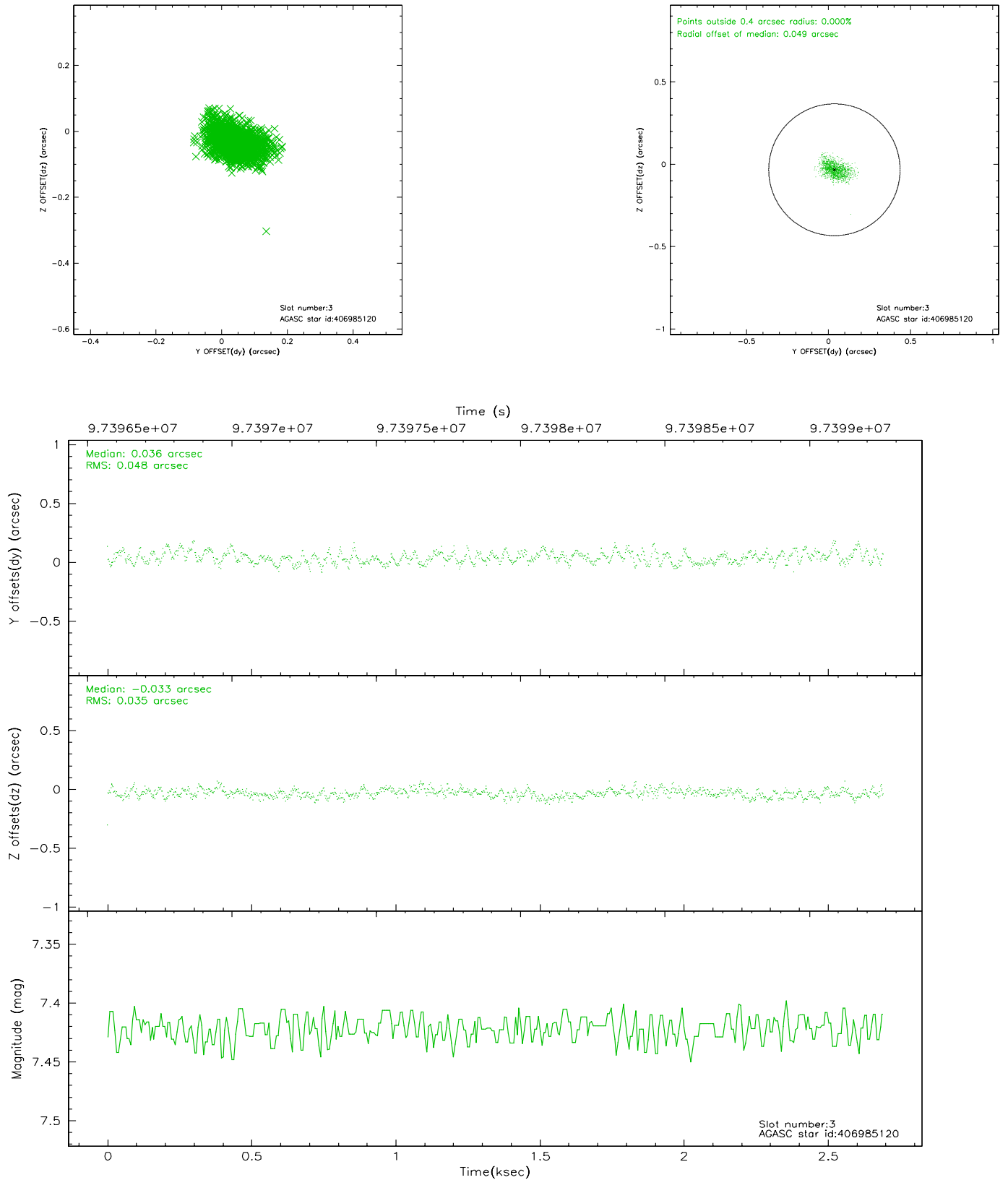


Slot Statistics

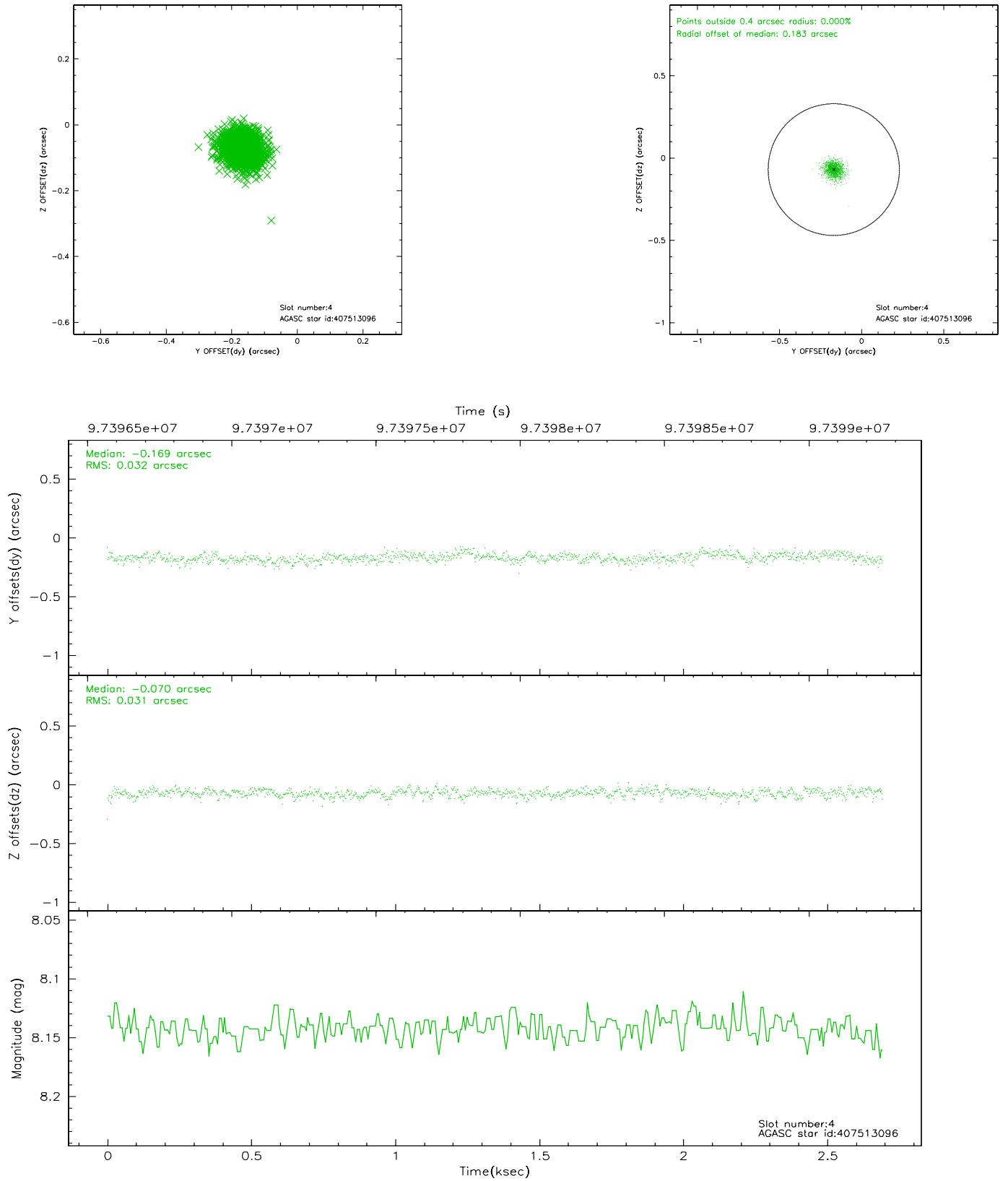
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.97	657	0.102	-0.089	0.007	0.015	0.000000	0.000000	-1156.85	-455.51
1	FID	HRC-S-3	7.00	657	0.153	-0.120	0.010	0.020	0.000000	0.000000	-1161.32	573.29
2	FID	HRC-S-4	6.93	657	0.132	-0.088	0.005	0.010	0.000000	0.000000	1239.64	577.52
3	GUIDE	406985120	7.42	1315	0.036	-0.033	0.063	0.105	278.839732	38.894839	-1757.41	1050.67
4	GUIDE	407513096	8.14	1315	-0.169	-0.070	0.046	0.078	279.928965	39.436841	1839.61	734.56
5	GUIDE	406989616	8.23	1315	0.075	0.062	0.062	0.099	279.202881	38.520843	-1779.55	-637.81
6	GUIDE	407521232	8.64	1315	0.018	-0.007	0.064	0.102	279.628883	39.431715	1166.39	1226.35
7	GUIDE	406983600	8.92	1314	0.043	0.055	0.062	0.101	279.940957	39.020708	959.20	-476.11

2.4 Star Slots

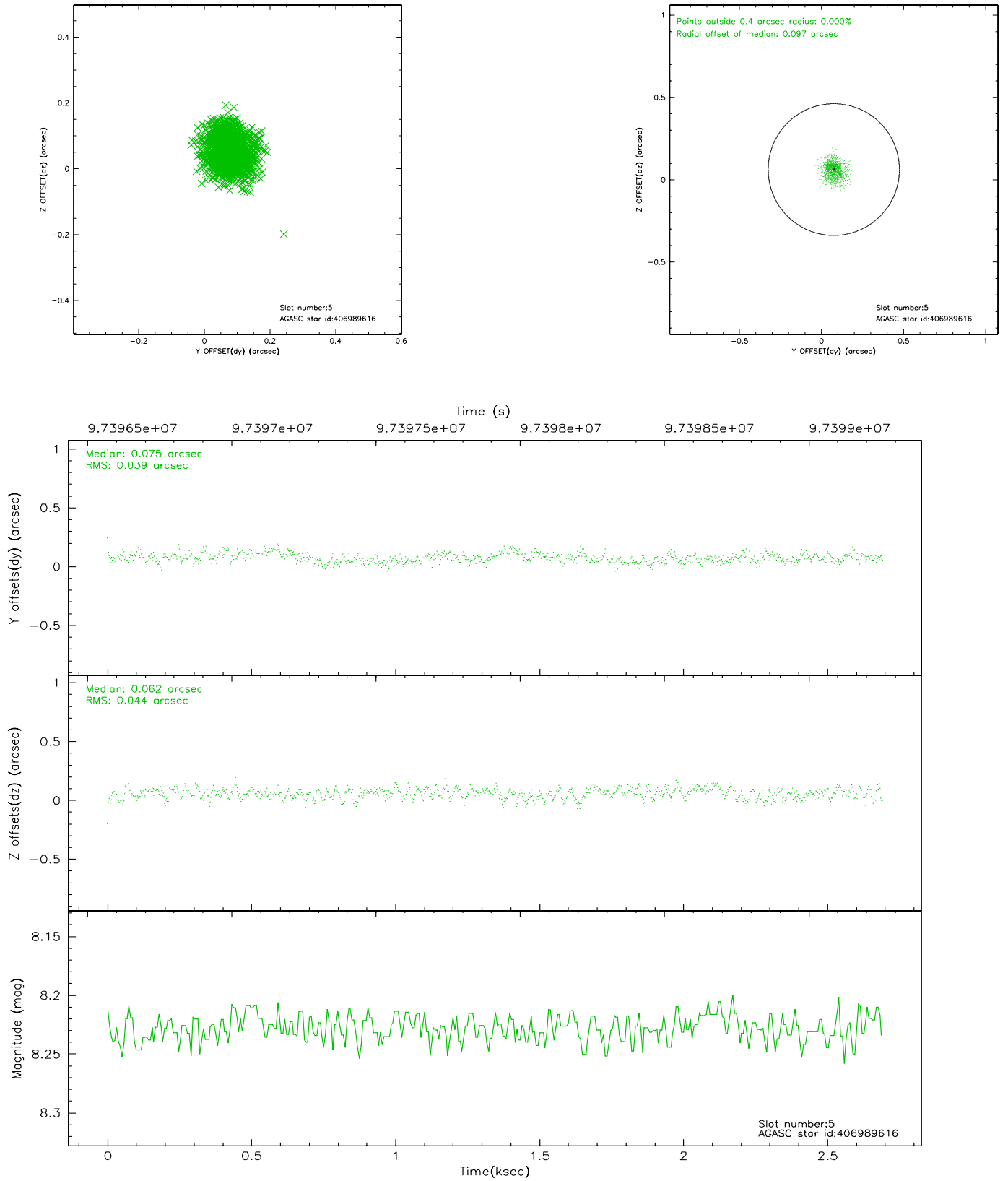
2.4.1 Slot 3



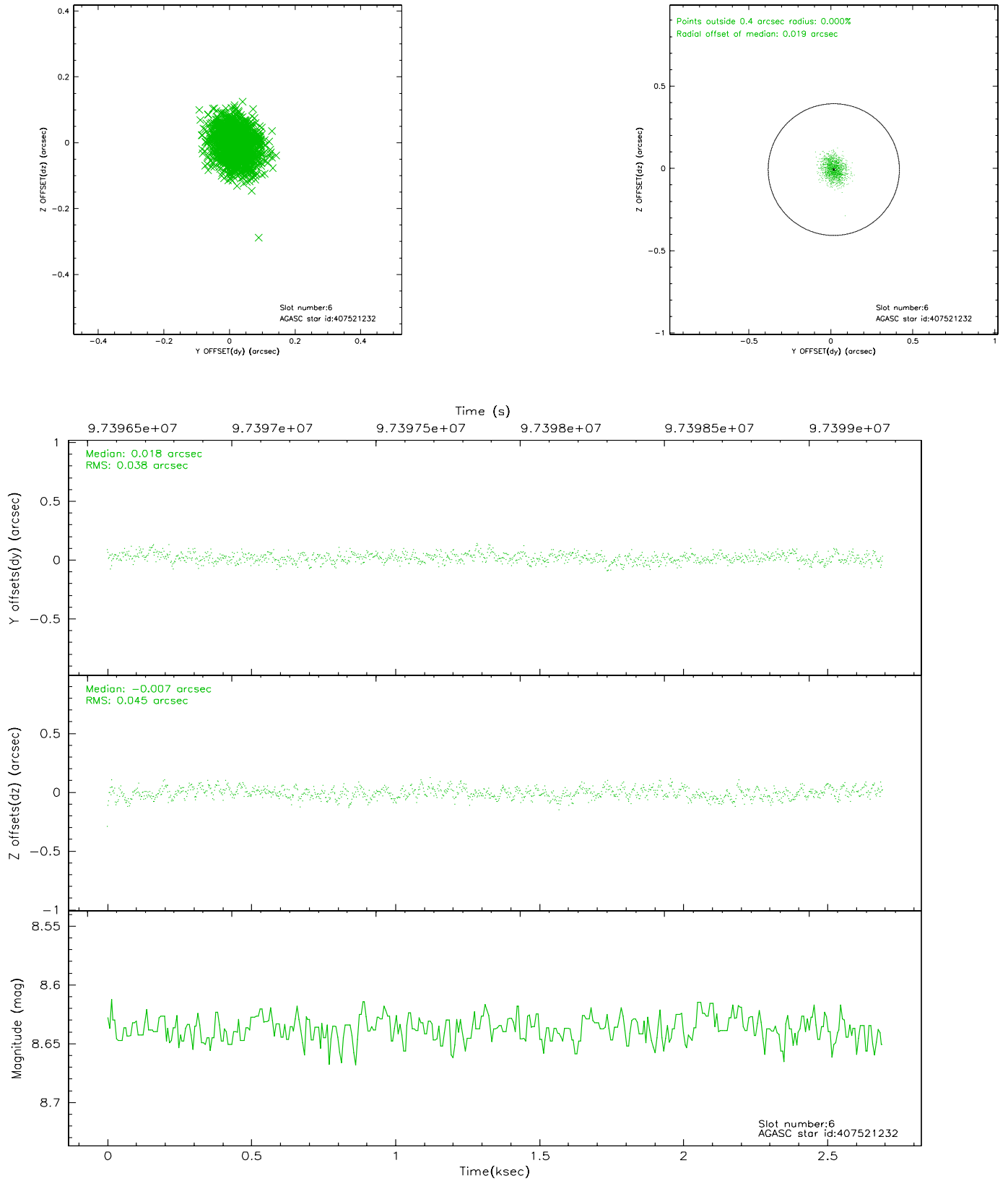
2.4.2 Slot 4



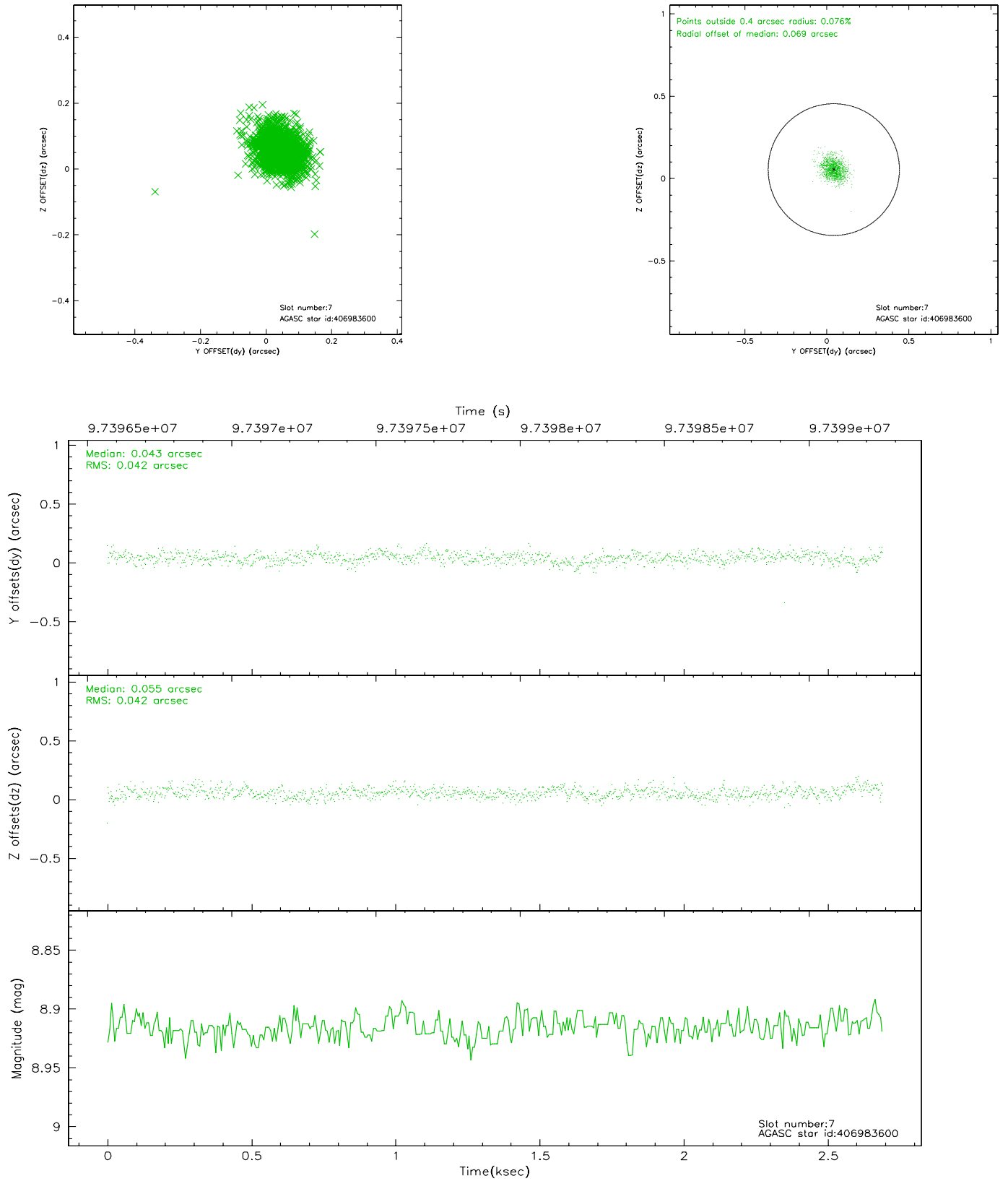
2.4.3 Slot 5



2.4.4 Slot 6

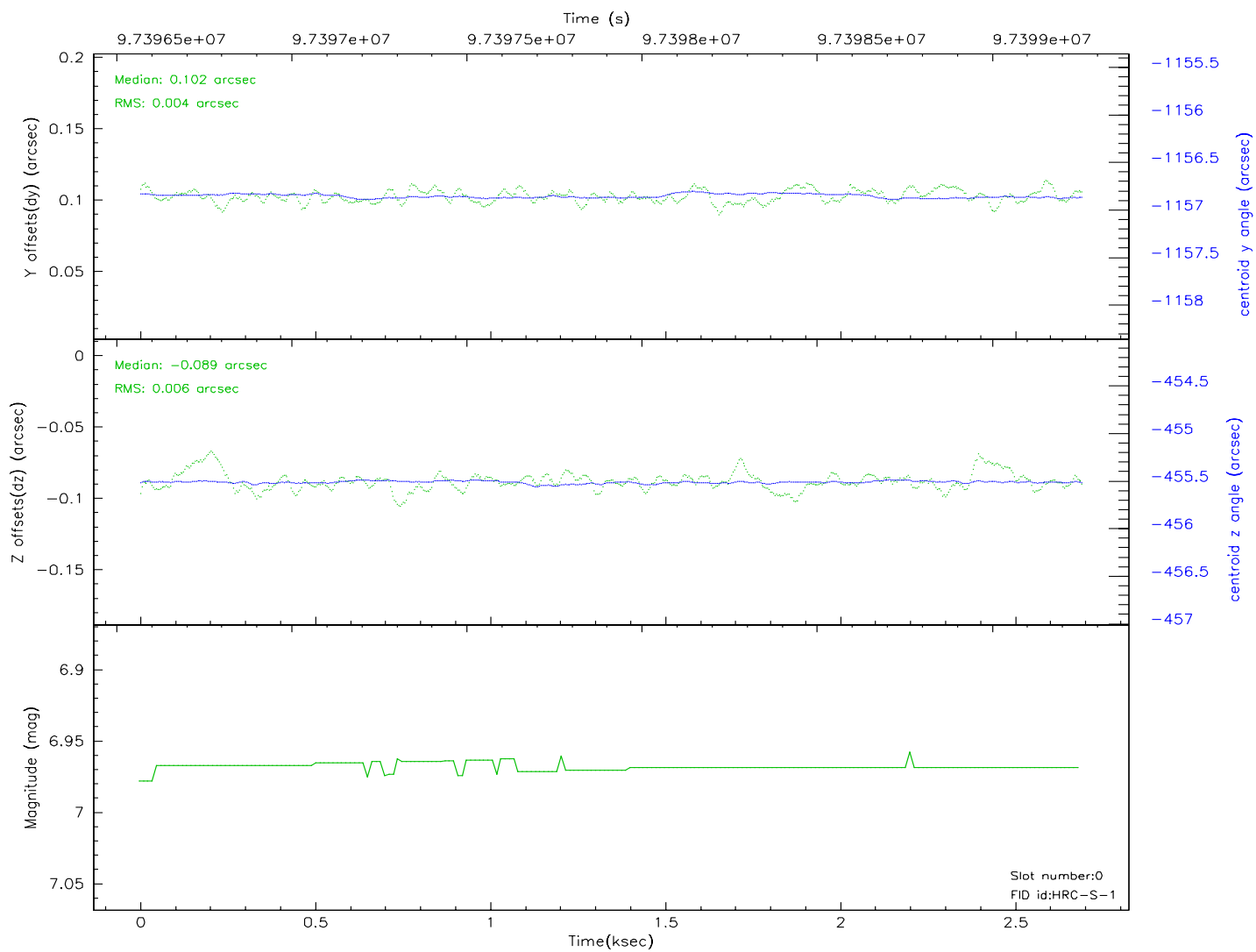
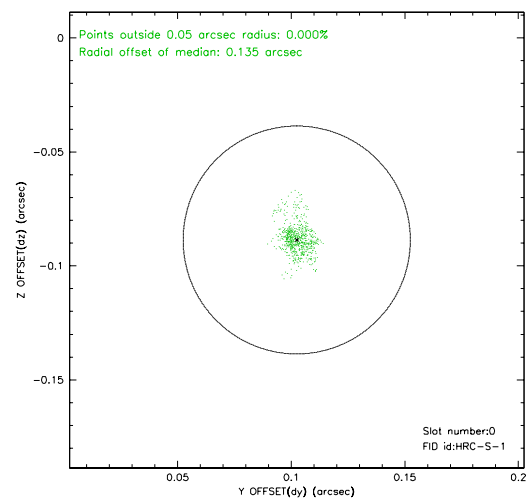
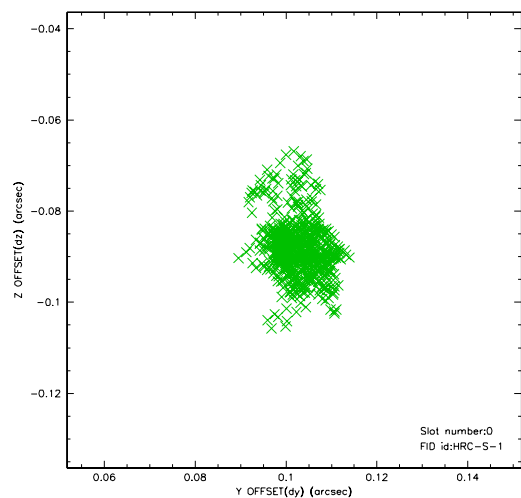


2.4.5 Slot 7

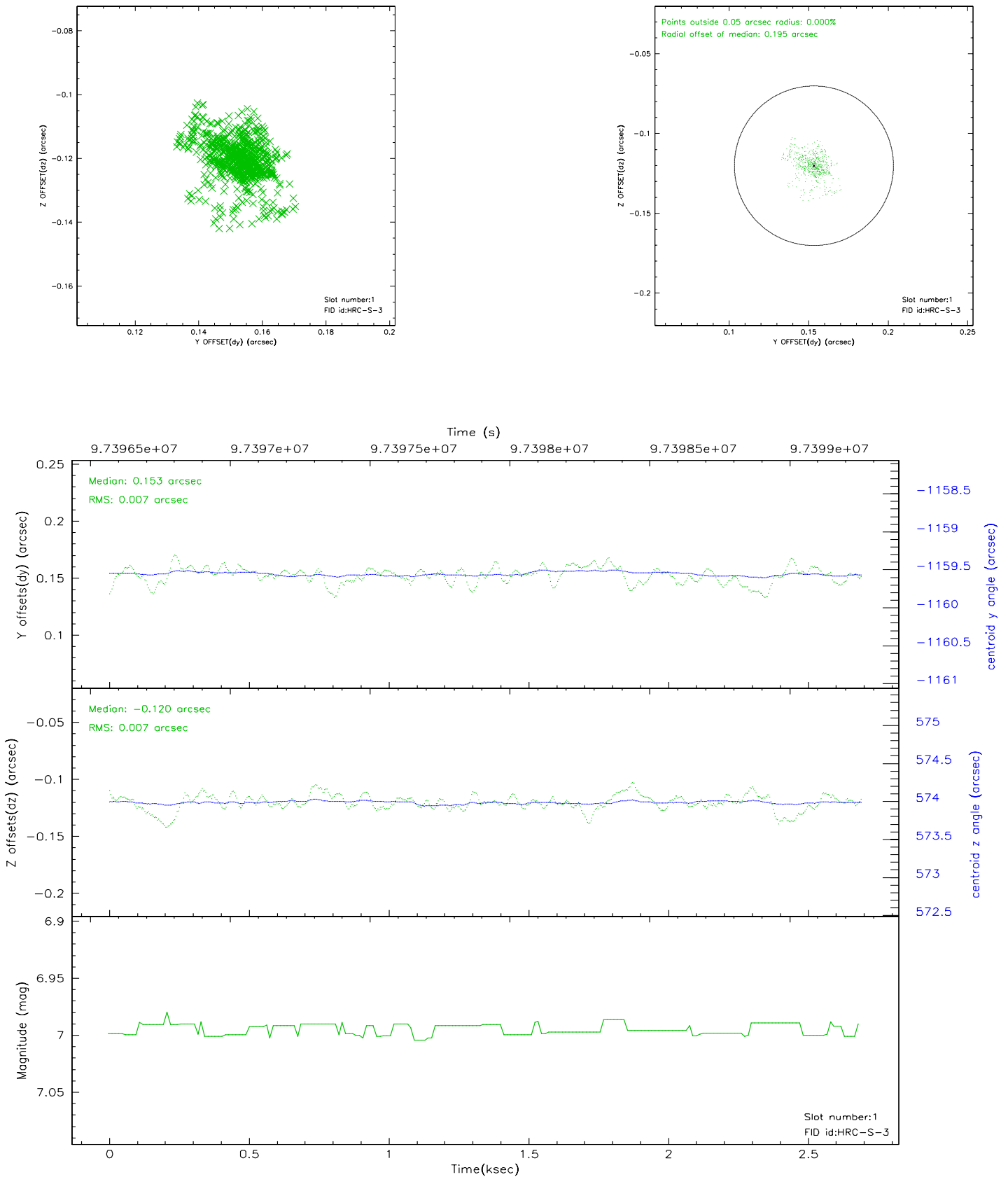


2.5 FID Slots

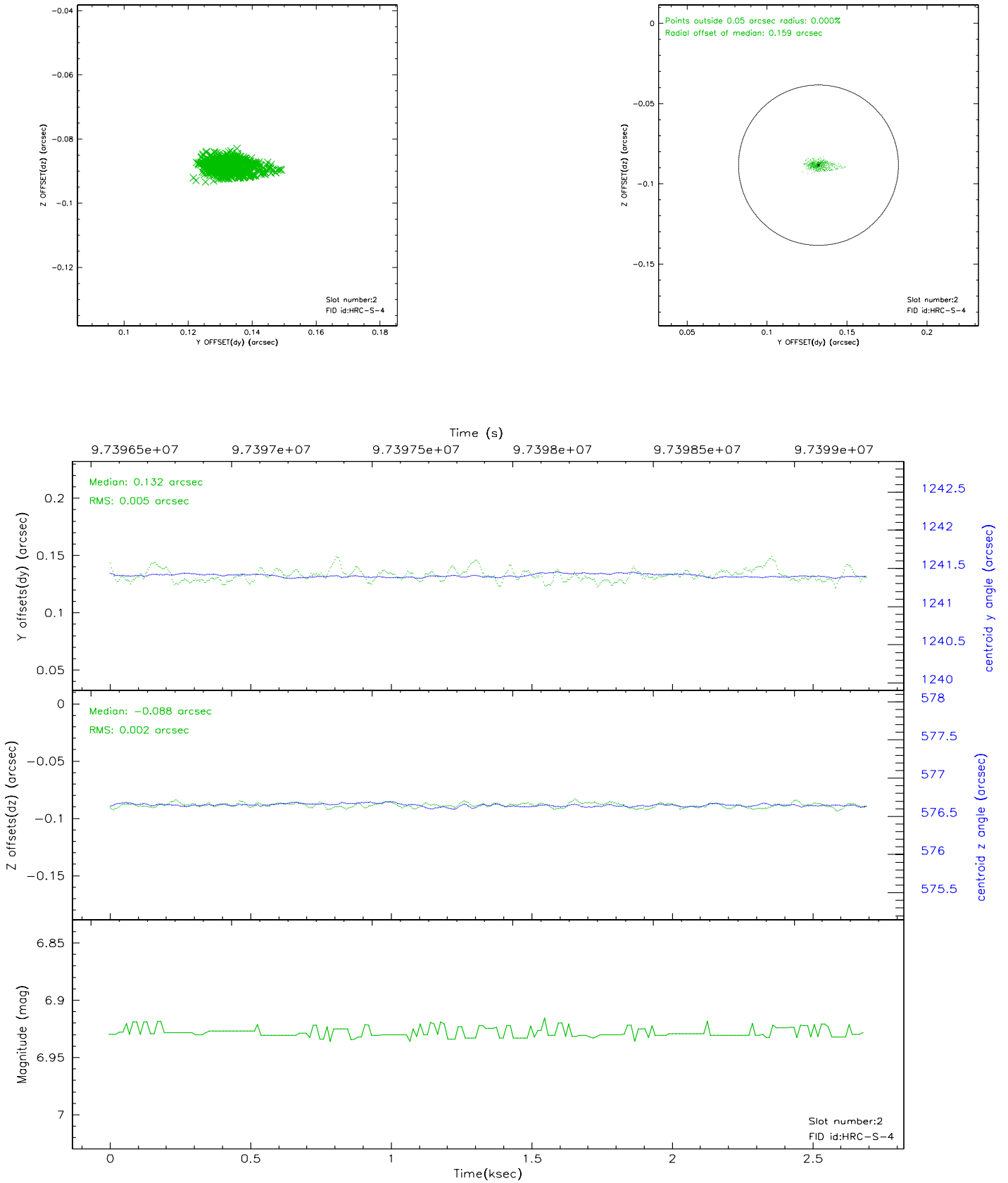
2.5.1 Slot 0



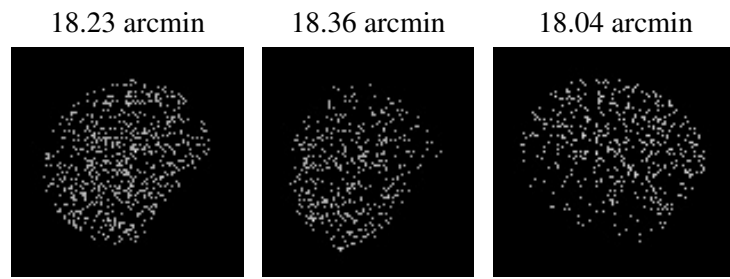
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.11.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.69

A.2 Comments

Window constraint met.

The target is far off-axis and therefore extended and asymmetric.

Additionally, there are internal reflections from the telescope falling onto the detector.