

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 5056 - L2 Version 001
Chandra X-Ray Center

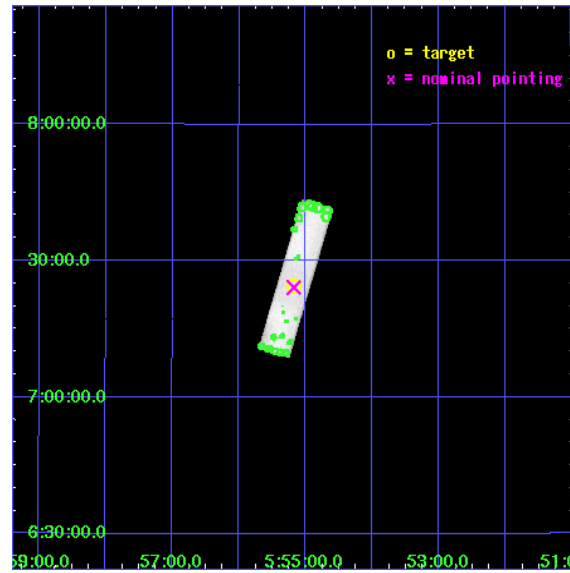
L2 Processing Date : Jun 4 2006

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1 Front

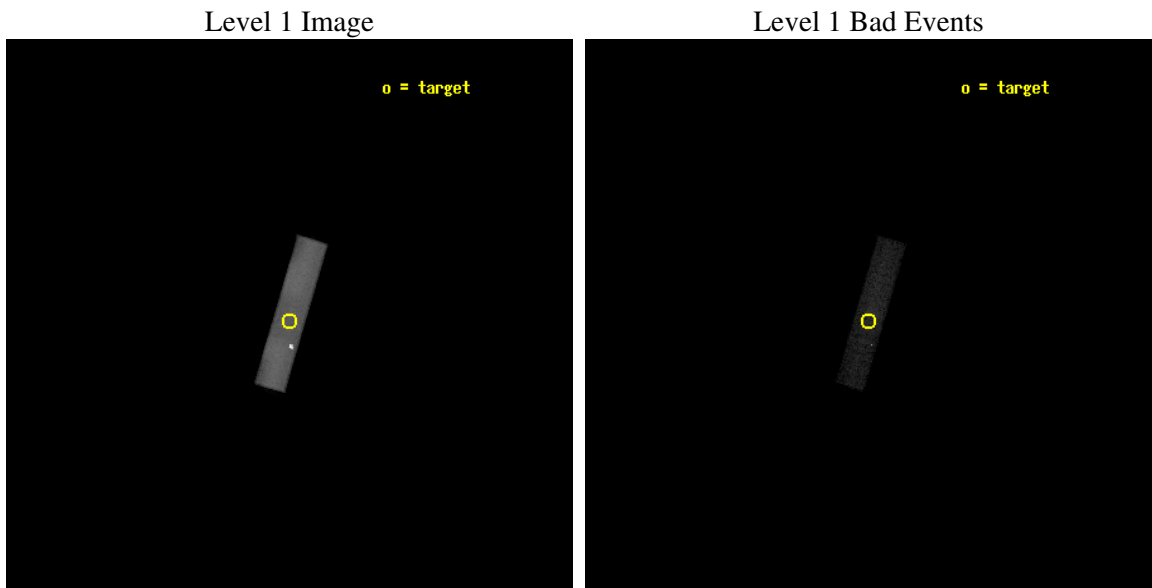
seq_num	290329
obs_id	5056
title	AO5 Measurements of the optical/UV Transmission of the HRC and ACIS Filters.
observer	Dr. CXC Calibration
object	Betelgeuse
ra_targ	88.792917
dec_targ	7.407056
ra_nom	88.794152921802
dec_nom	7.4028236269338
roll_nom	286.46750117611
revision	2
ontime	1945.7063350379
livetime	1945.5726191352
l2events	175484



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0
ascdsver	7.6.7.2
caldbver	3.2.2
date	2006-06-04T06:18:53
revision	2

sched_exp_time	2102.000000
ontime	2280.8813496828
l1events	240904

2.1.3 Events

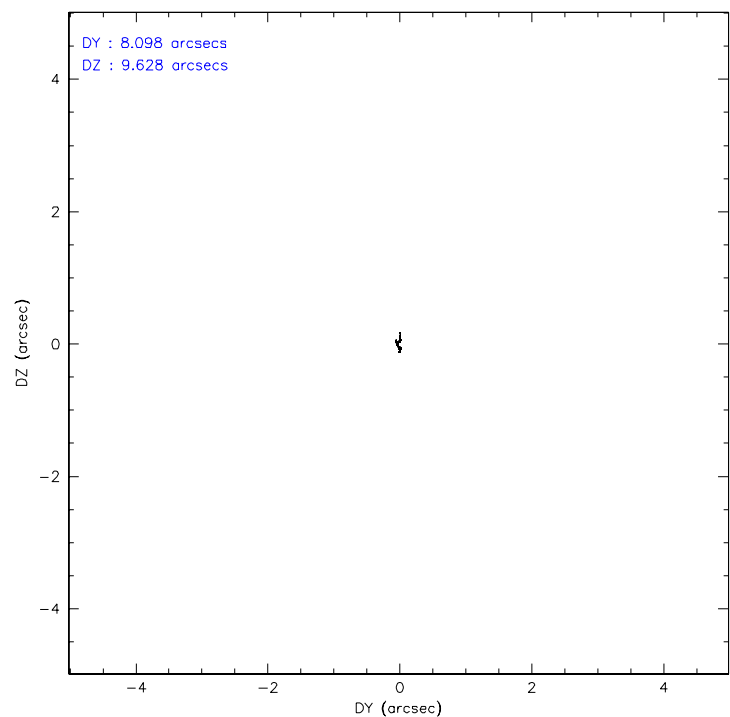
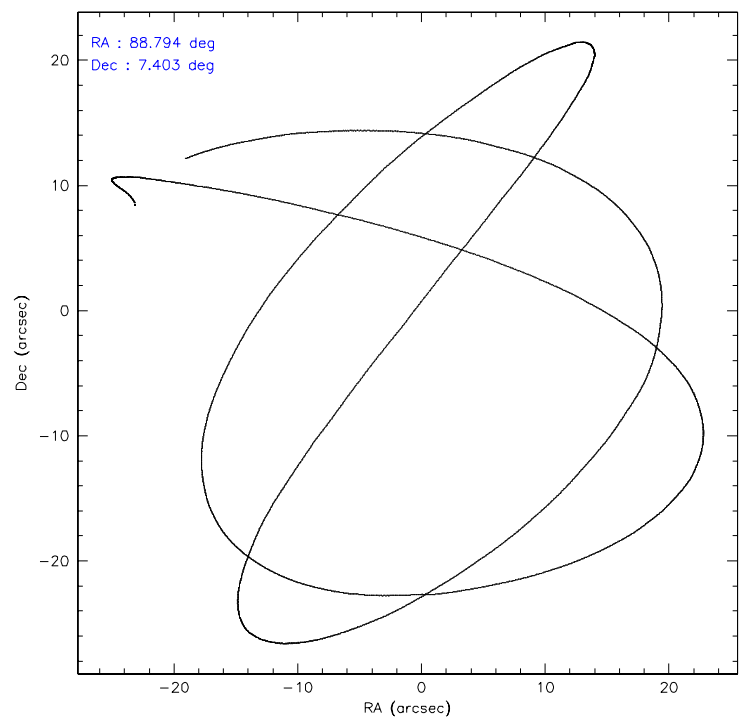
Level 1 Events

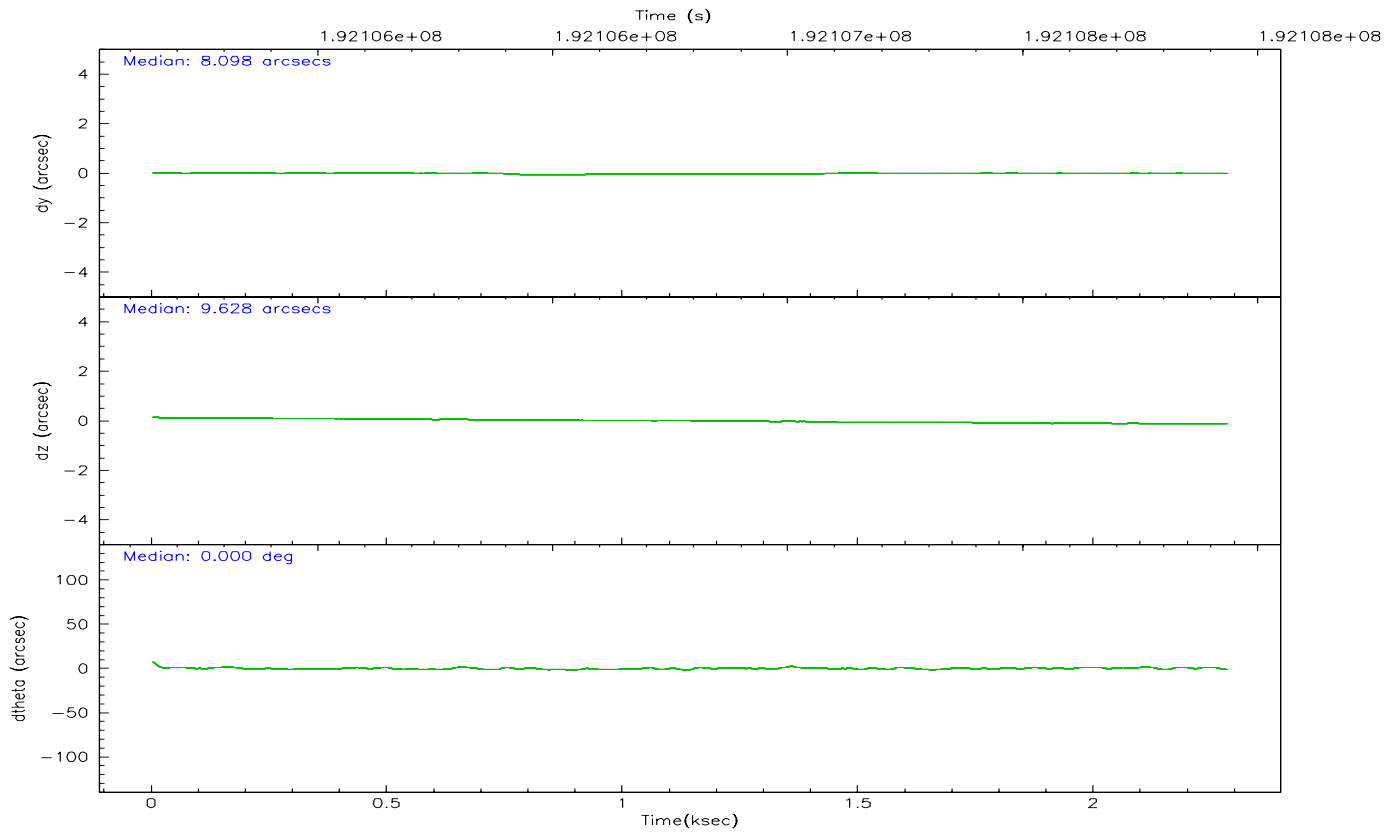
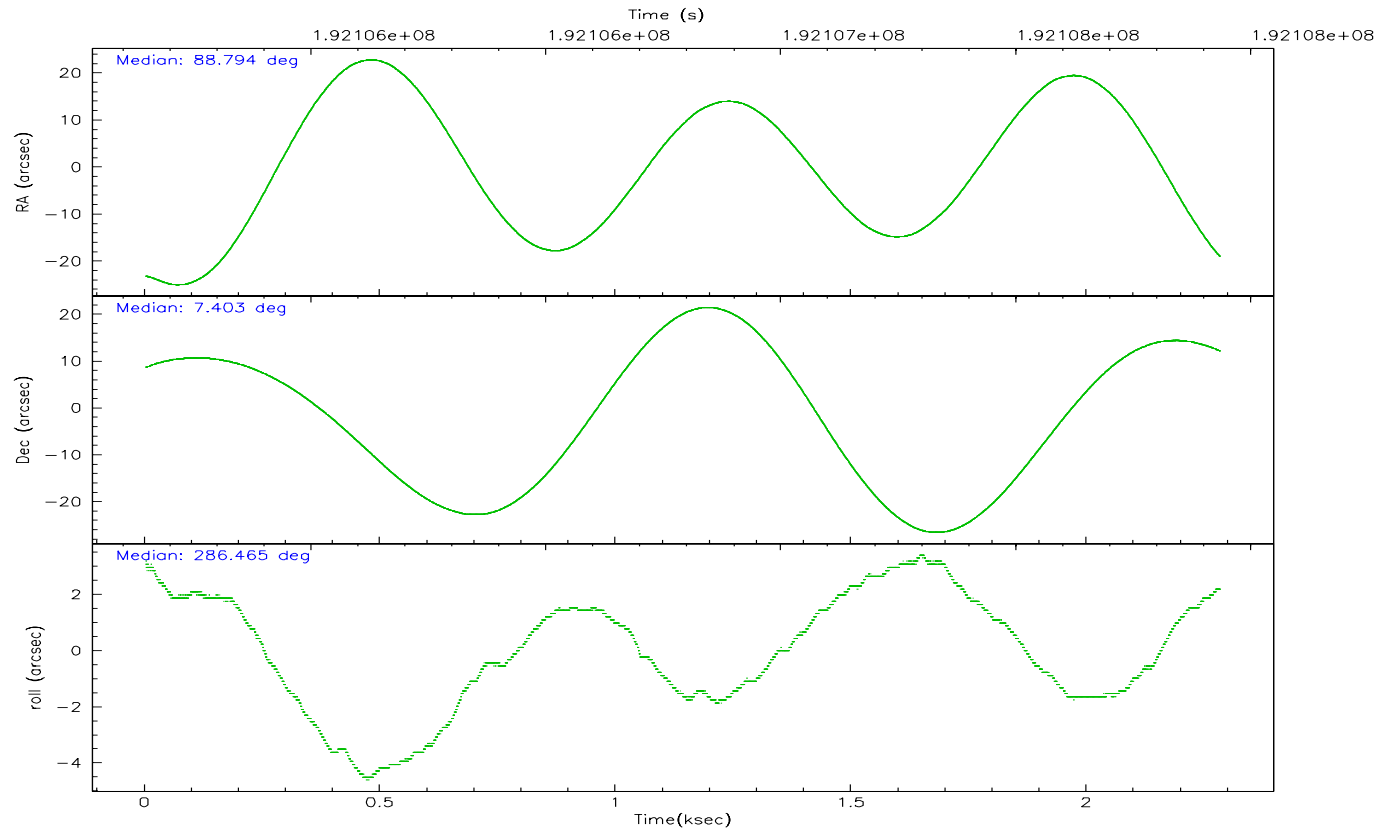
	segment 1	segment 2	segment 3
level 1 events	0	240904	0
rejected events	0	29589	0
rejected %	0%	12%	0%

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	88.772253	88.79415292180228			
Pointing Dec	7.421172	7.402823626933806			
Pointing Roll	286.402971	286.4675011761117			
Window start time	191980864.184000	191980864.184000			
Window stop time	197078464.184000	197078464.184000			
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	192105831.184000	192105457.04516			
Observation start date	2004-02-02T10:42:47	2004-02-02T10:37:37			
Observation end time	192107933.184000	192108066.69527			
Observation end date	2004-02-02T11:17:49	2004-02-02T11:21:06			

2.3 Aspect



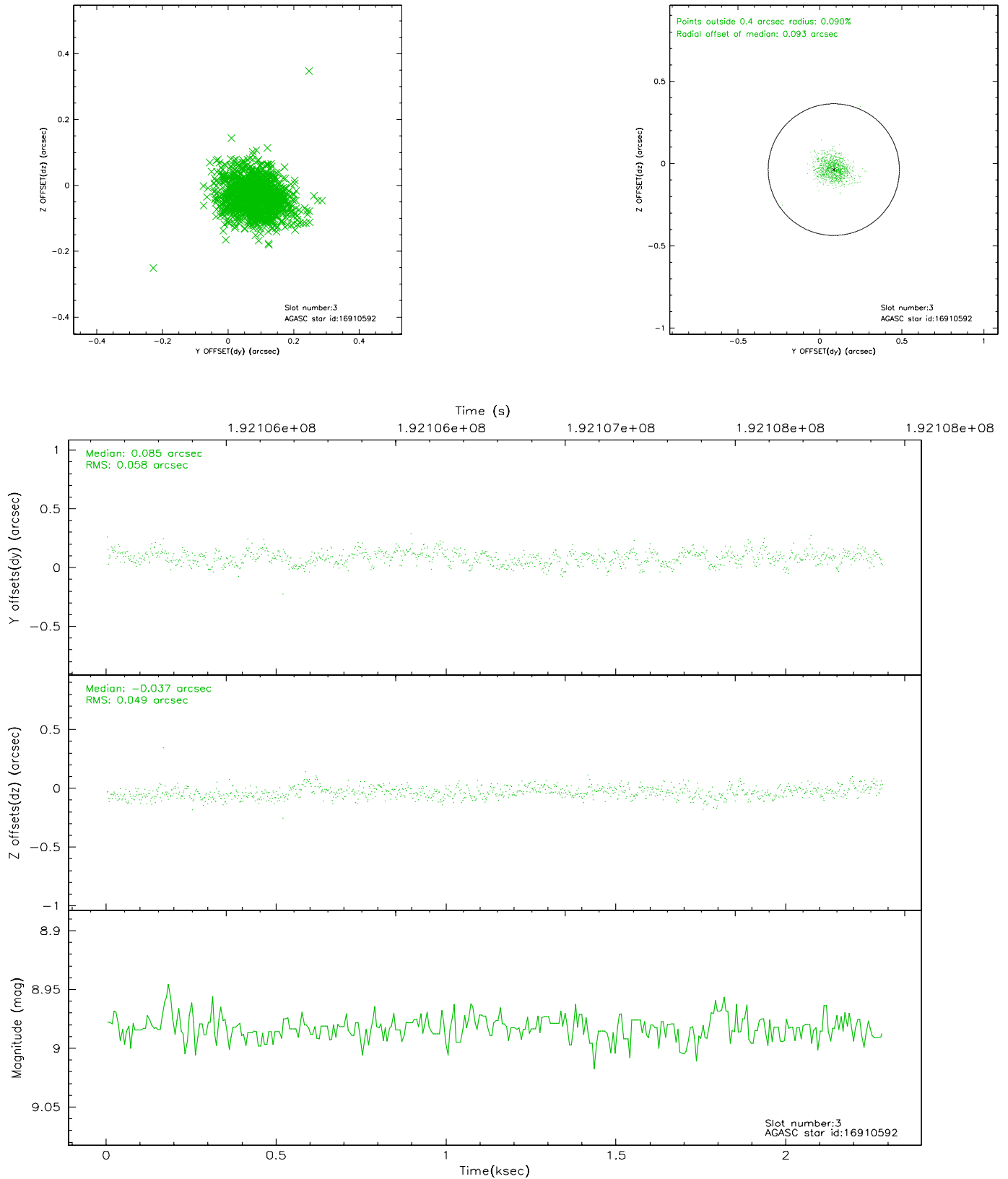


Slot Statistics

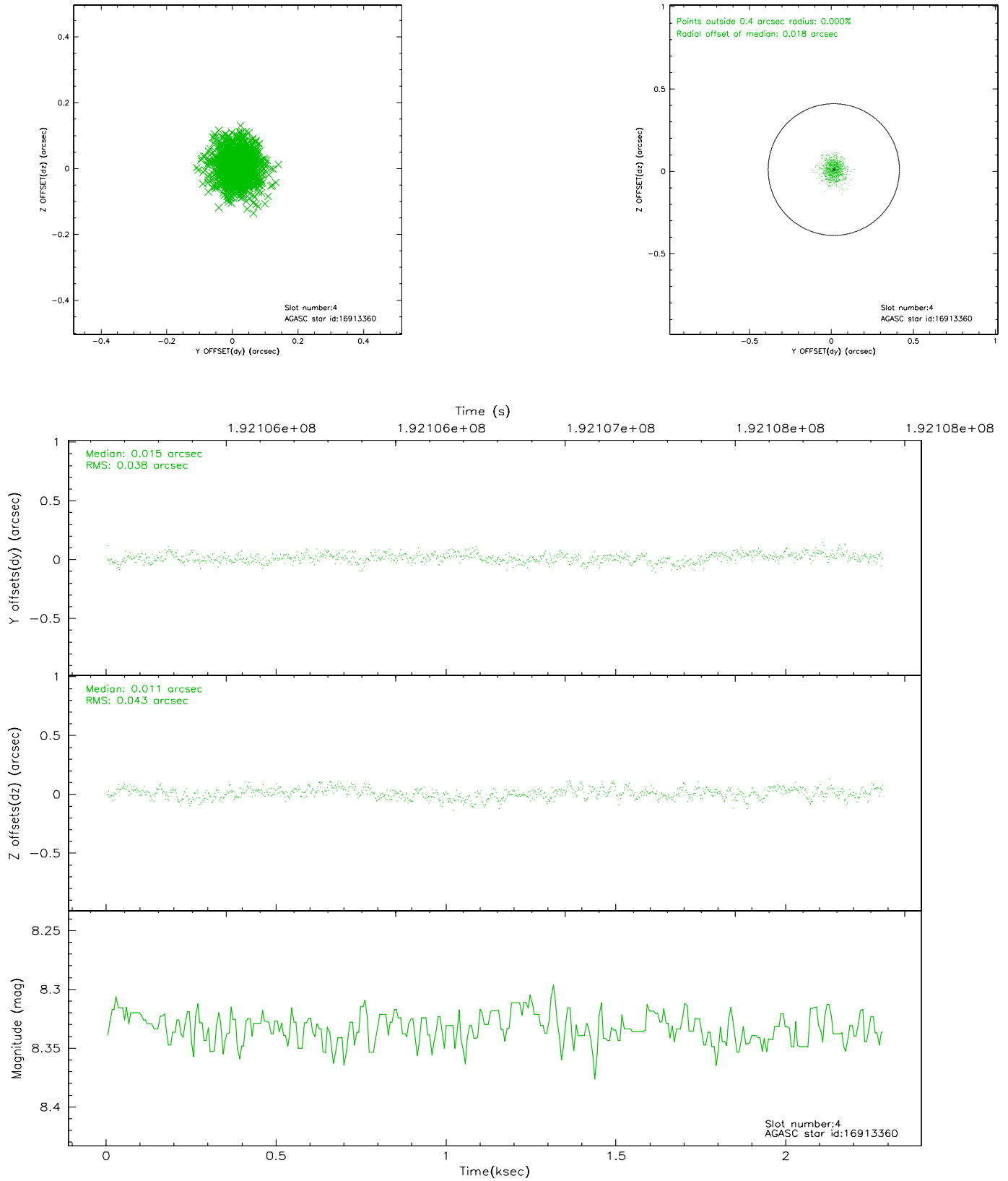
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-2	7.08	557	0.147	-0.132	0.011	0.018	0.000000	0.000000	1237.40	-450.99
1	FID	HRC-S-3	7.09	556	0.070	-0.093	0.005	0.010	0.000000	0.000000	-1162.79	570.56
2	FID	HRC-S-4	7.07	557	0.188	-0.070	0.011	0.018	0.000000	0.000000	1234.00	574.82
3	GUIDE	16910592	8.98	1112	0.085	-0.037	0.079	0.128	88.532936	6.726769	2157.78	-1526.88
4	GUIDE	16913360	8.33	1114	0.015	0.011	0.061	0.100	89.178373	7.247125	1013.20	1213.08
5	GUIDE	16918912	8.66	1114	0.101	0.084	0.064	0.102	89.257075	6.922287	2213.56	1156.36
6	GUIDE	93854800	7.57	1114	-0.124	-0.112	0.053	0.092	88.376308	7.655454	-1205.25	-1116.20
7	GUIDE	93855160	8.50	1113	-0.071	0.052	0.062	0.105	88.514904	7.713359	-1268.44	-584.81

2.4 Star Slots

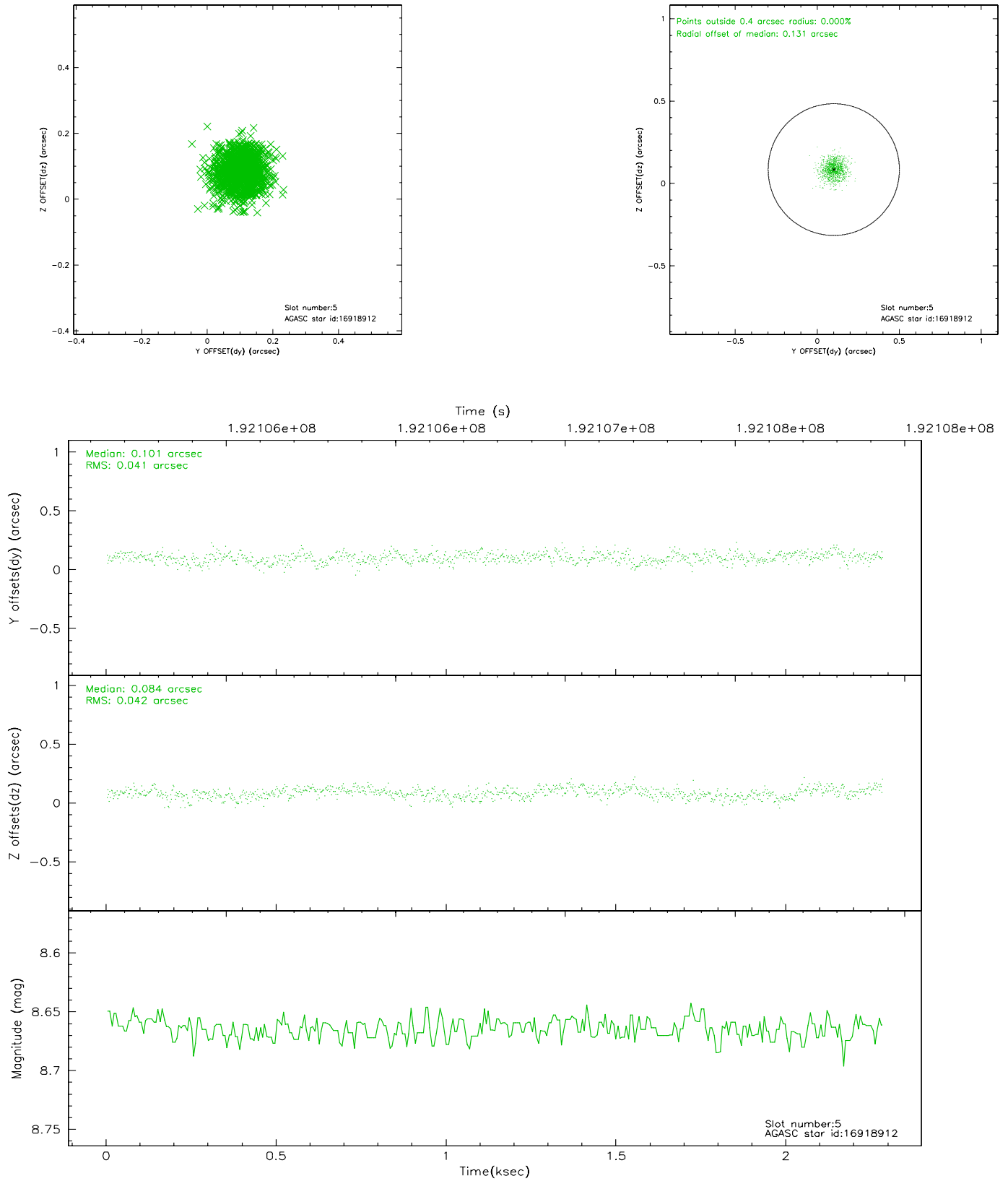
2.4.1 Slot 3



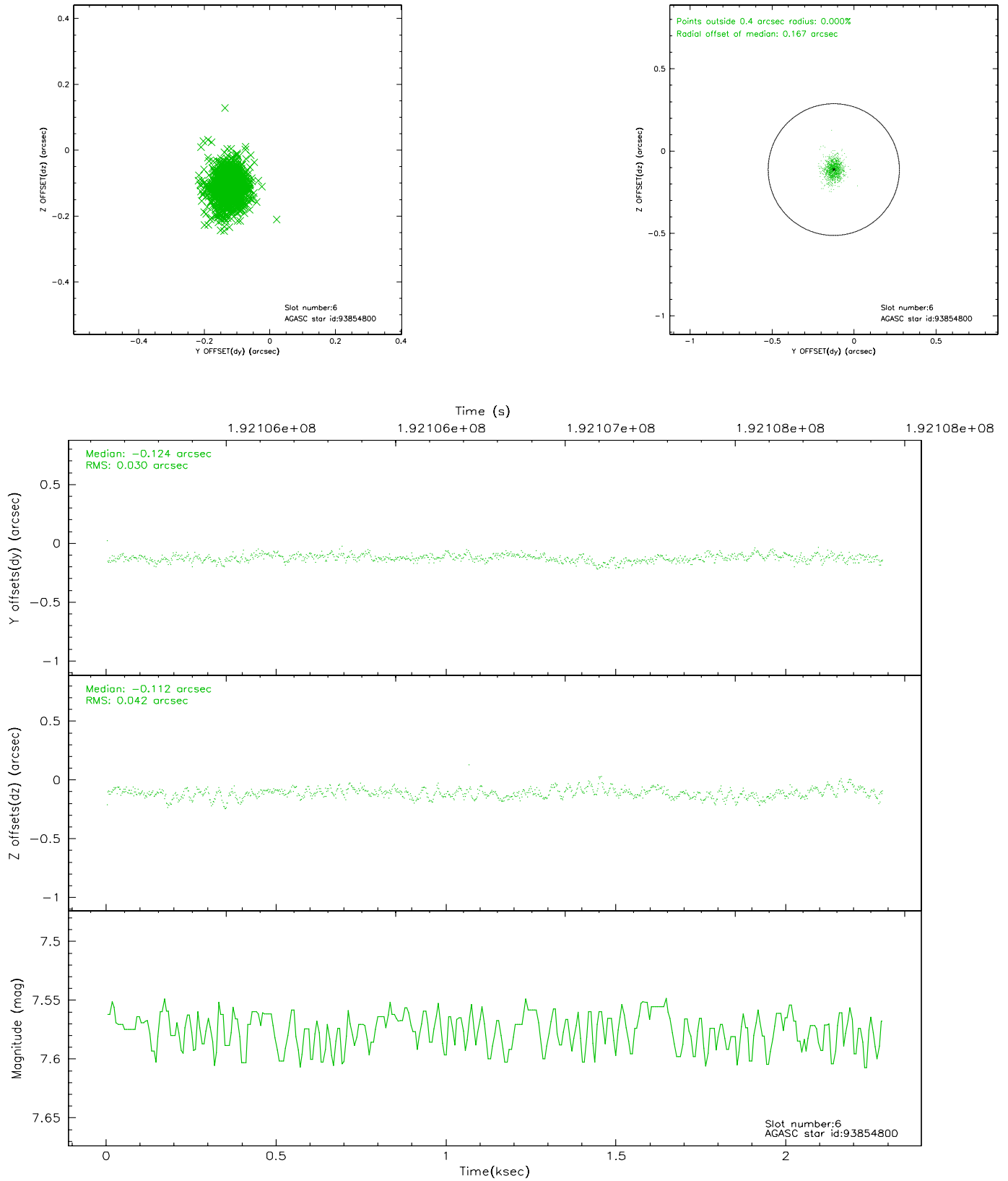
2.4.2 Slot 4



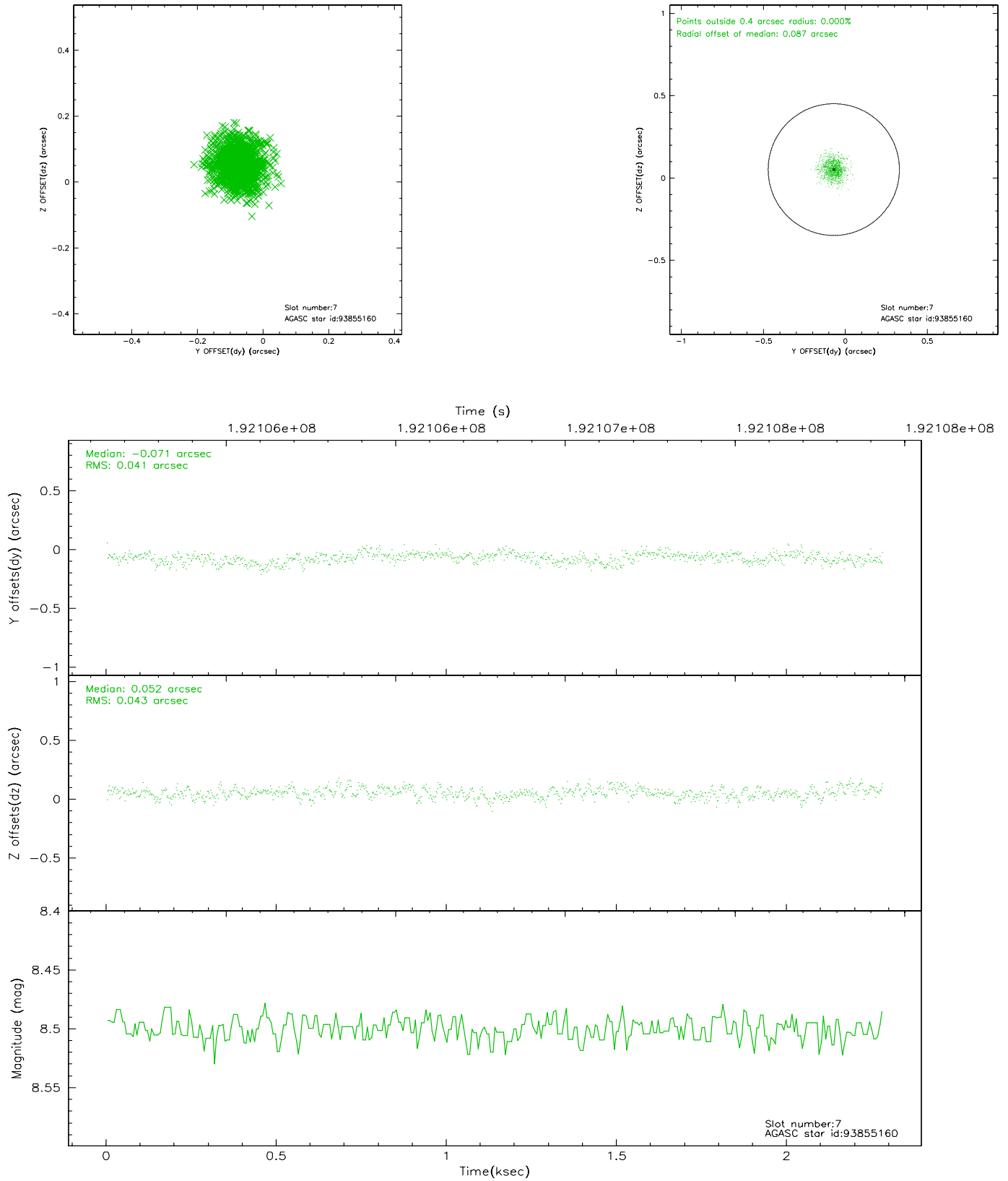
2.4.3 Slot 5



2.4.4 Slot 6

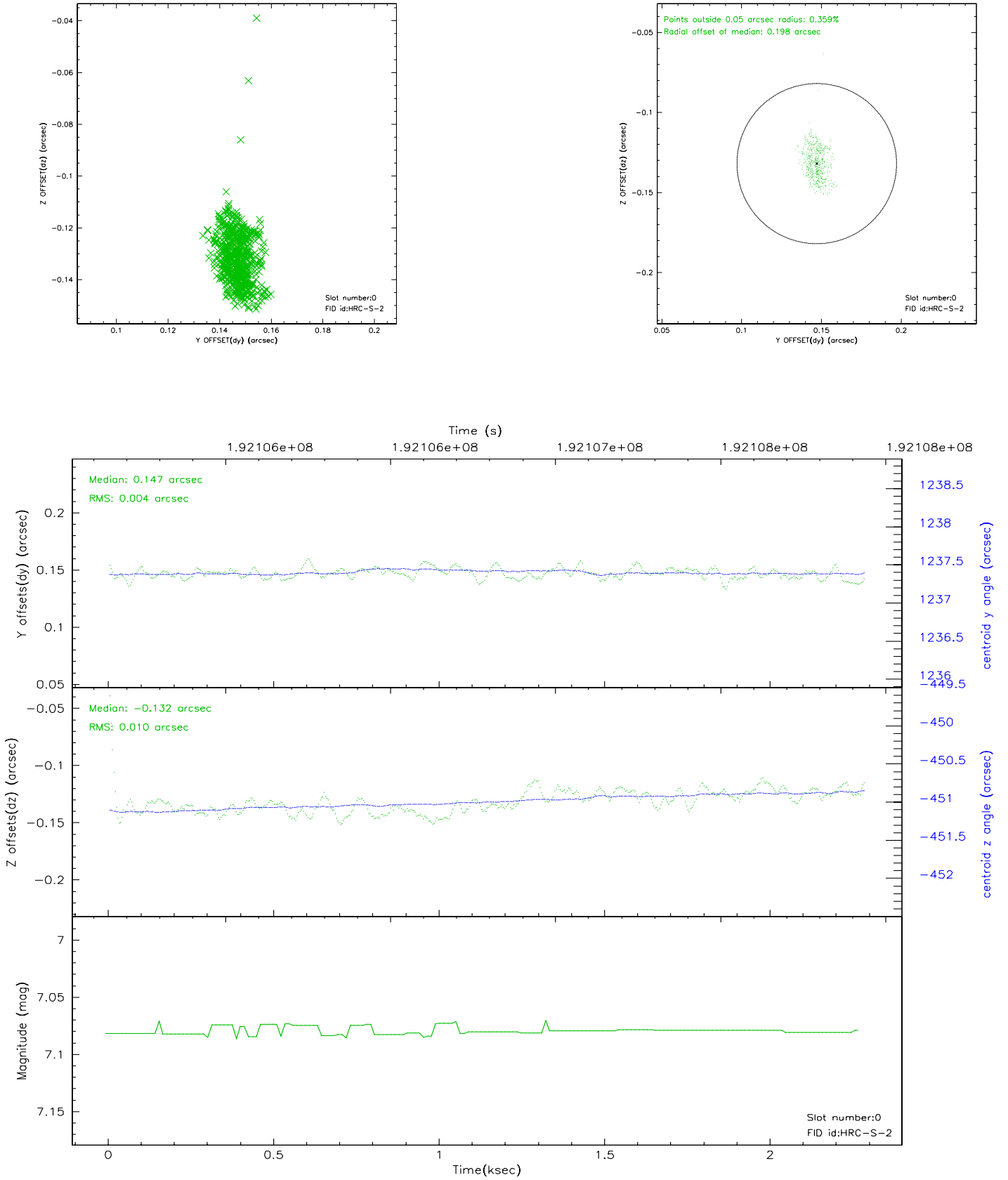


2.4.5 Slot 7

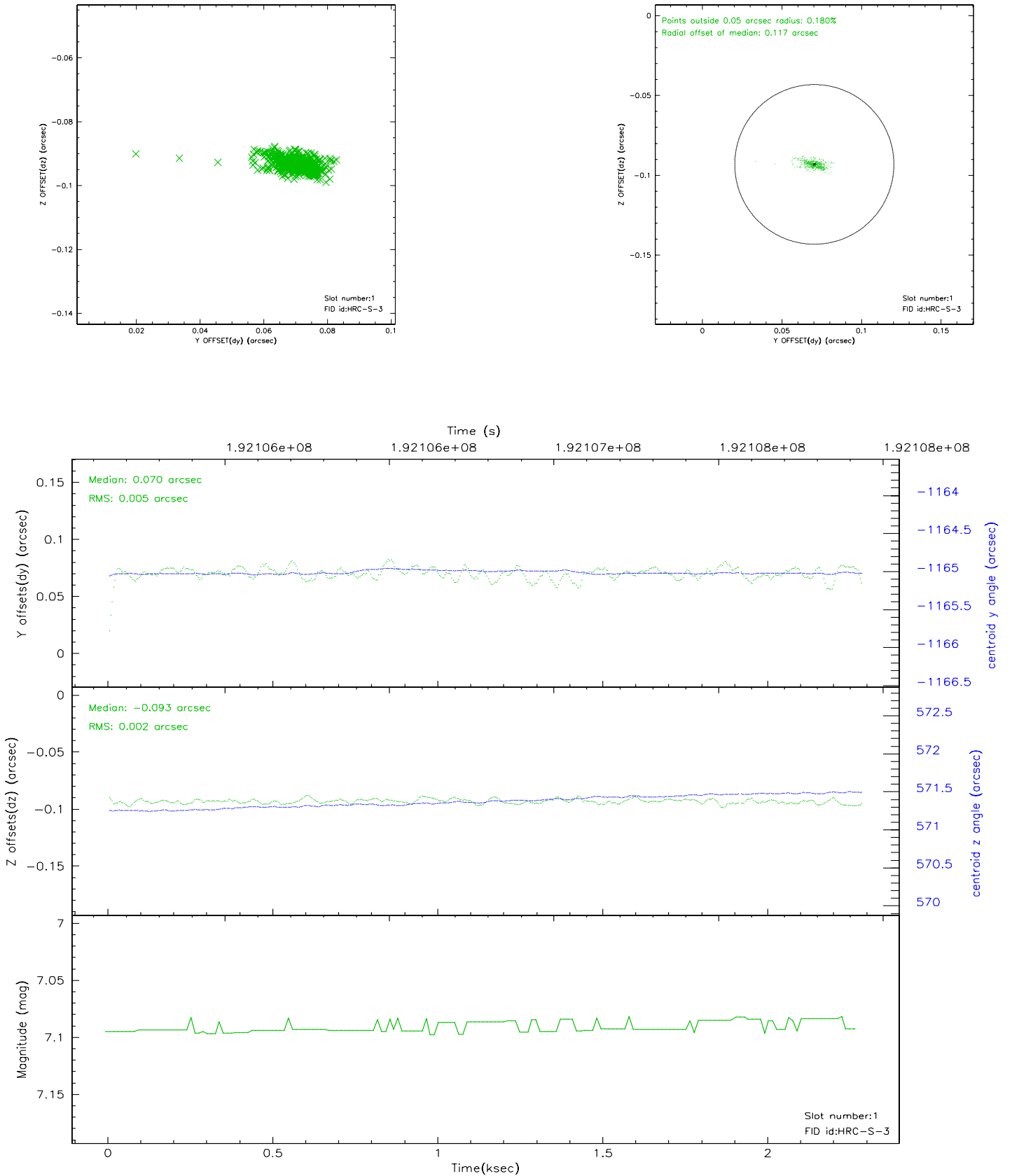


2.5 FID Slots

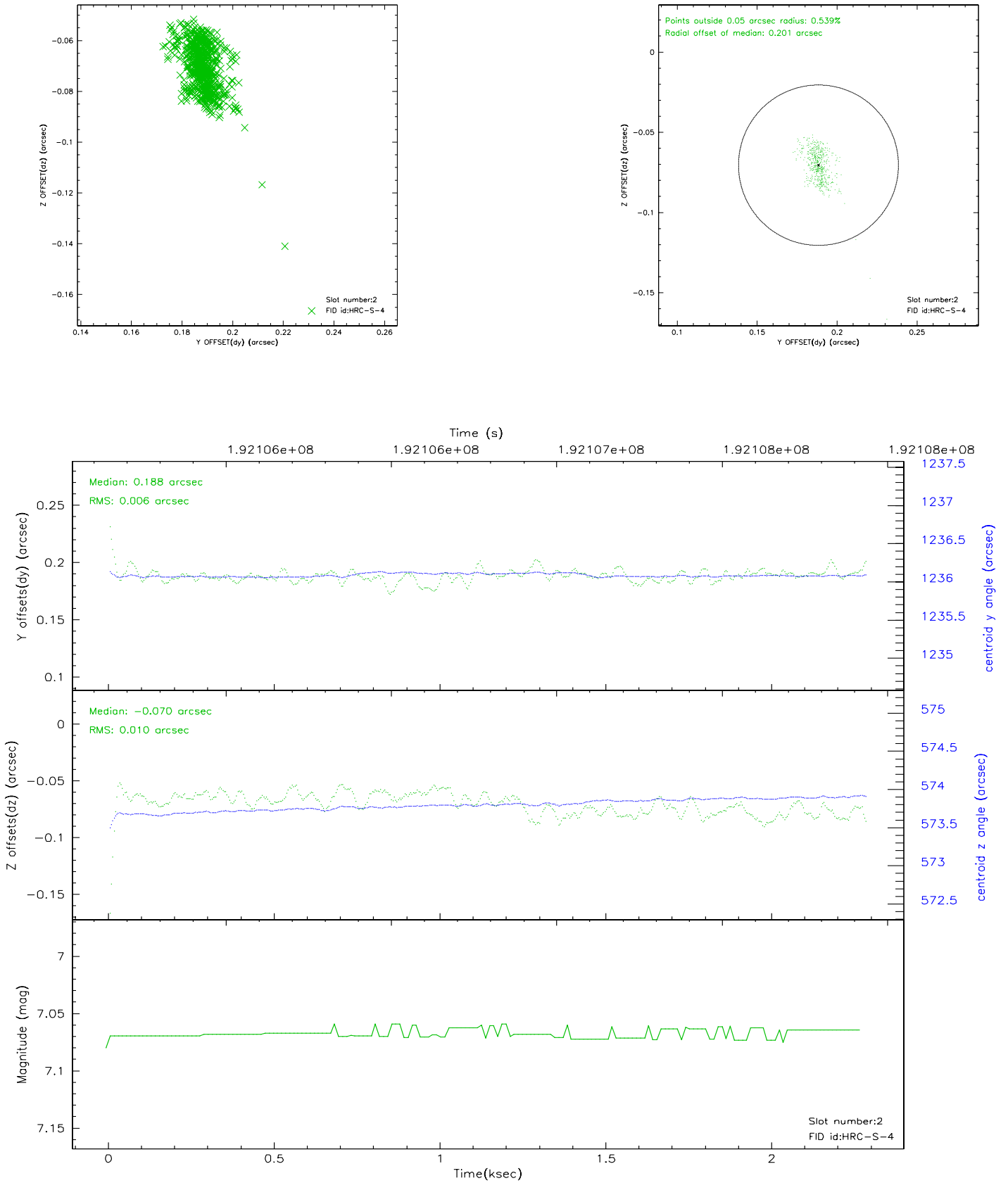
2.5.1 Slot 0



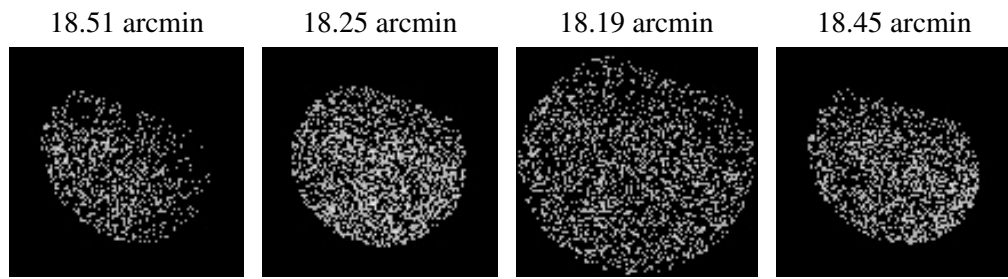
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.06.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.945

A.2 Comments

Window constraint satisfied.

The keywords DTCOR, EXPOSURE, and LIVETIME in the Level 2 event file and the keyword DTCOR in the Level 1 event file have been incorrectly determined due to a software bug. The correct value of DTCOR can be found in the file DTFSTATS file that can be obtained by downloading the secondary data products. In most cases, the difference between the correct DTCOR value and the incorrect DTCOR value in the Level 2 event file is very small and does not affect the data analysis. However, there are cases of significant differences and the user is advised to use the DTCOR in the DTFSTATS file for analysis. Corrected data products will be made available in the archive as soon as feasible