

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5122 - L2 Version 002
Chandra X-Ray Center

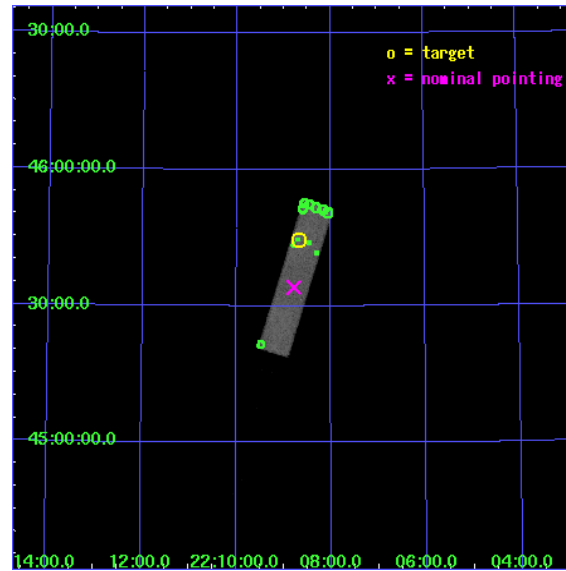
L2 Processing Date : Apr 11 2006

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
3	Point Sources	17
A	Summary	18
A.1	Status	18
A.2	Comments	18

1 Front

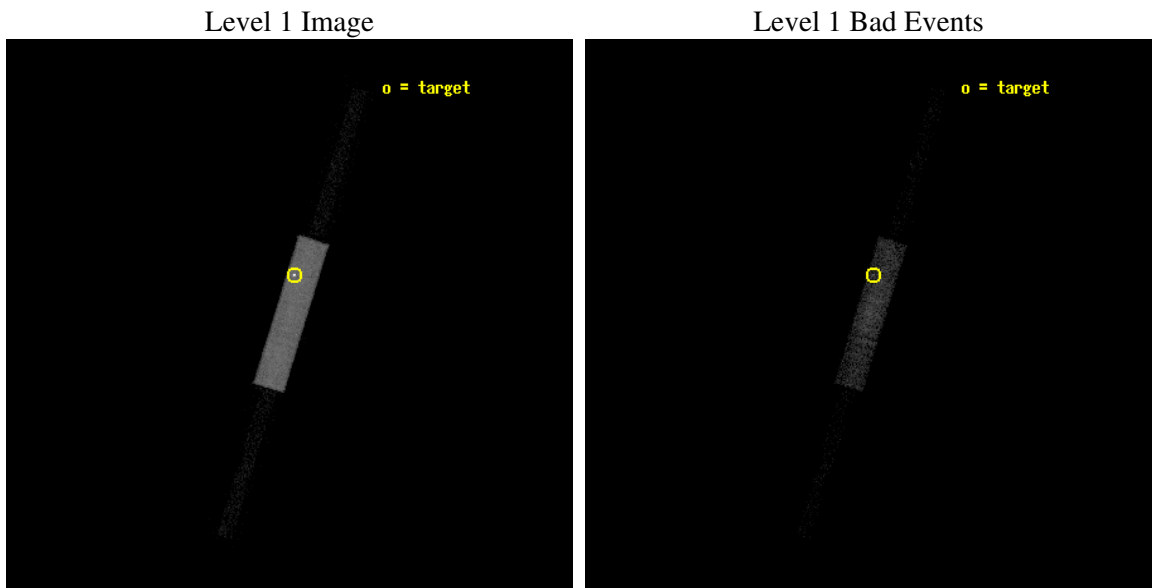
seq_num	290395
obs_id	5122
title	AO5B Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.1956169087
dec_nom	45.568568633469
roll_nom	287.15432437631
revision	2
ontime	1059.081297636
livetime	1055.9907887746
l2events	59624



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-04-11T16:17:20
revision	2

sched_exp_time	900.000000
ontime	1088.5500489473
l1events	90040

2.1.3 Events

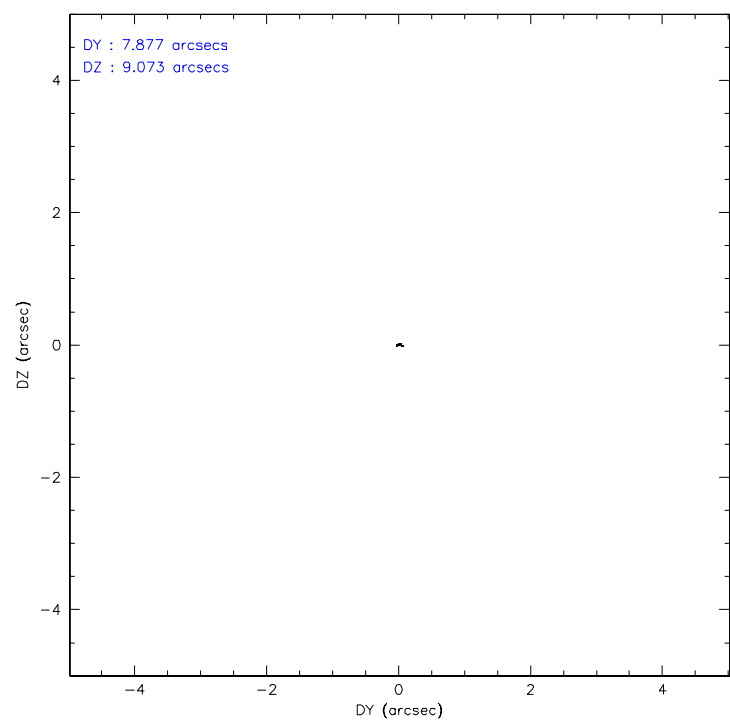
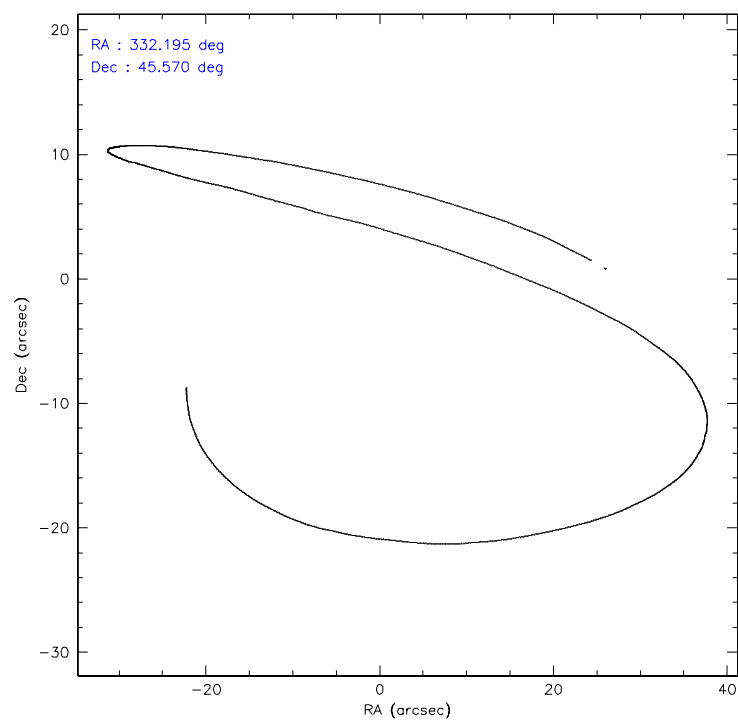
Level 1 Events

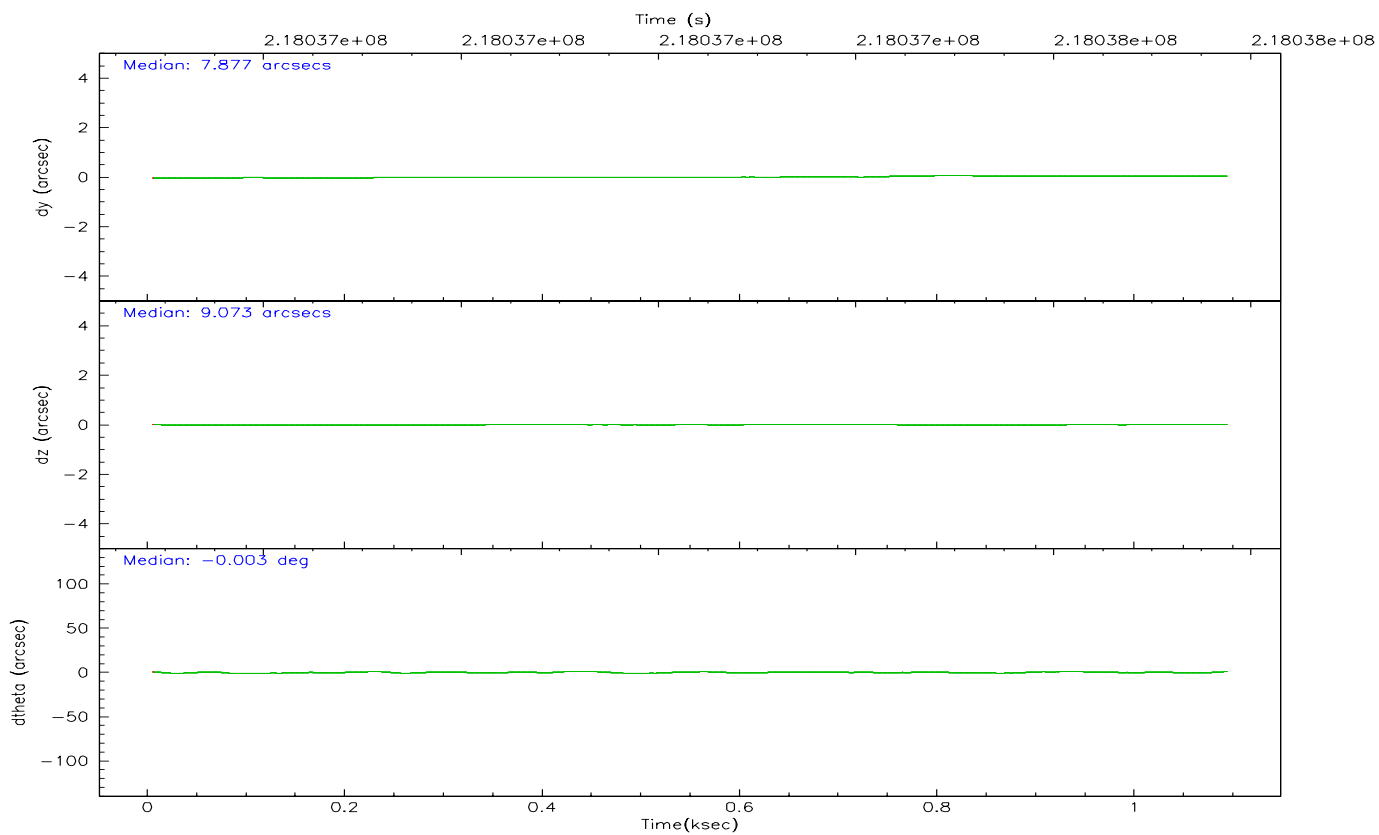
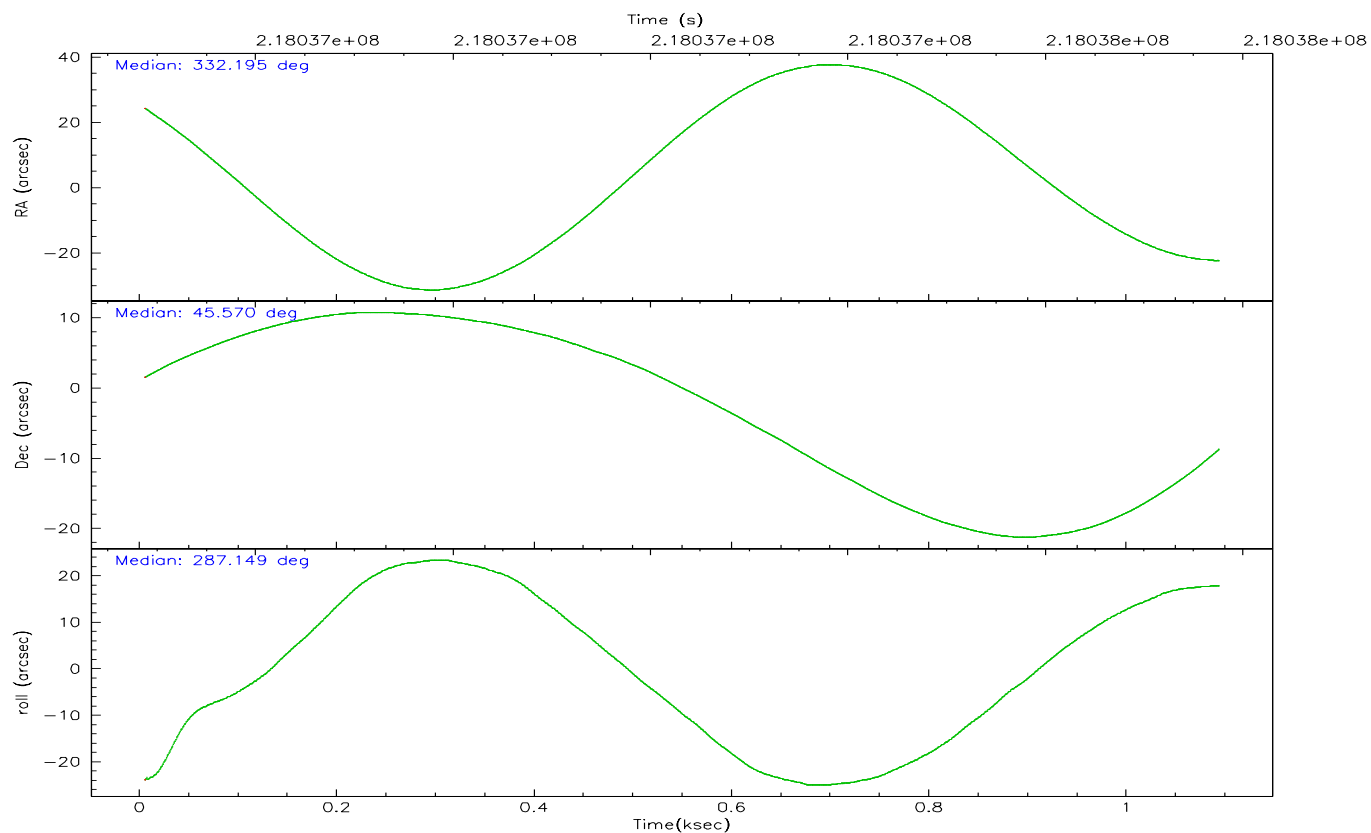
	segment 1	segment 2	segment 3
level 1 events	1005	88103	932
rejected events	1005	25193	927
rejected %	100%	28%	99%

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	332.165003	332.1956169086966			
Pointing Dec	45.587077	45.56856863346875			
Pointing Roll	287.108950	287.154324376313			
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	218036883.184000	218036506.7945			
Observation start date	2004-11-28T13:46:59	2004-11-28T13:41:46			
Observation end time	218037783.184000	218038401.50708			
Observation end date	2004-11-28T14:01:59	2004-11-28T14:13:21			

2.3 Aspect



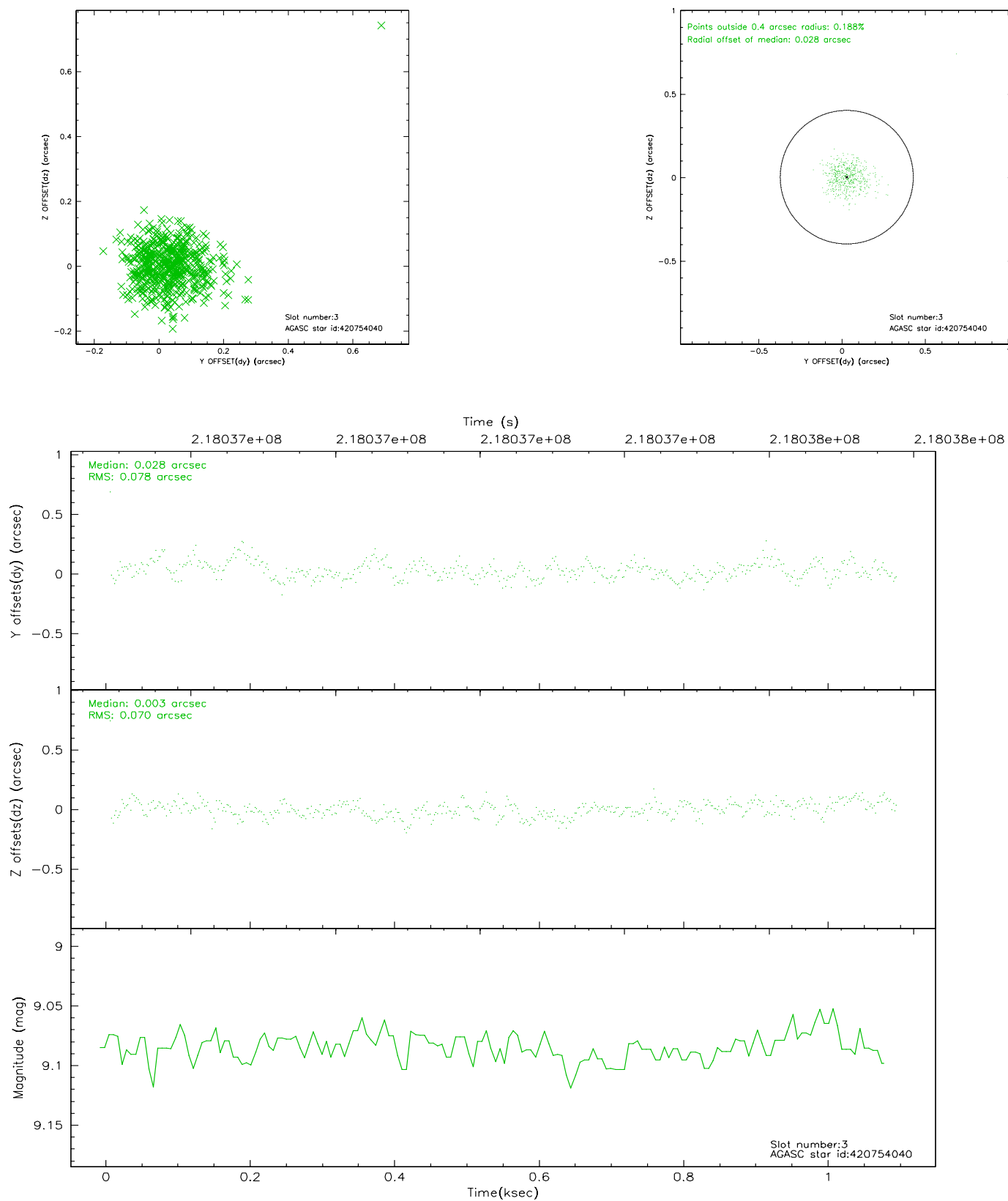


Slot Statistics

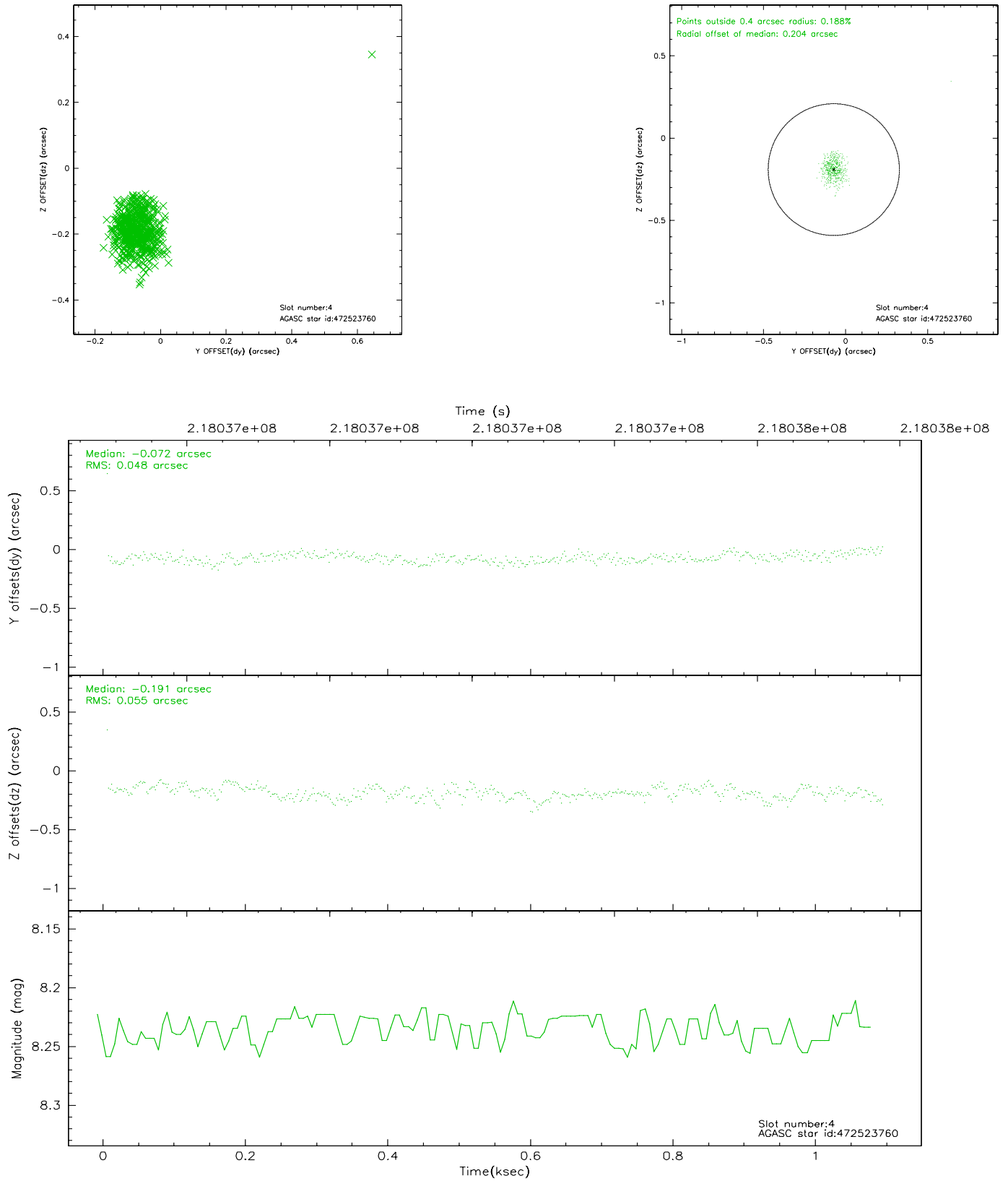
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.02	266	0.147	-0.163	0.006	0.011	0.000000	0.000000	-1162.04	-457.73
1	FID	HRC-S-2	7.03	266	0.153	-0.118	0.005	0.008	0.000000	0.000000	1233.28	-452.06
2	FID	HRC-S-3	7.04	266	0.089	-0.021	0.007	0.012	0.000000	0.000000	-1160.18	570.24
3	GUIDE	420754040	9.08	532	0.028	0.003	0.102	0.167	331.917939	44.882543	2238.35	-1345.50
4	GUIDE	472523760	8.23	532	-0.072	-0.191	0.067	0.105	331.645363	45.403260	246.70	-1449.56
5	GUIDE	472654568	9.44	532	0.133	0.026	0.108	0.193	332.194449	45.063576	1824.28	-483.46
6	GUIDE	472655152	9.43	532	-0.030	0.129	0.101	0.164	332.504239	45.862991	-697.12	1106.67
7	GUIDE	472659832	9.47	530	-0.074	0.055	0.106	0.171	332.780399	46.098139	-1313.31	2015.21

2.4 Star Slots

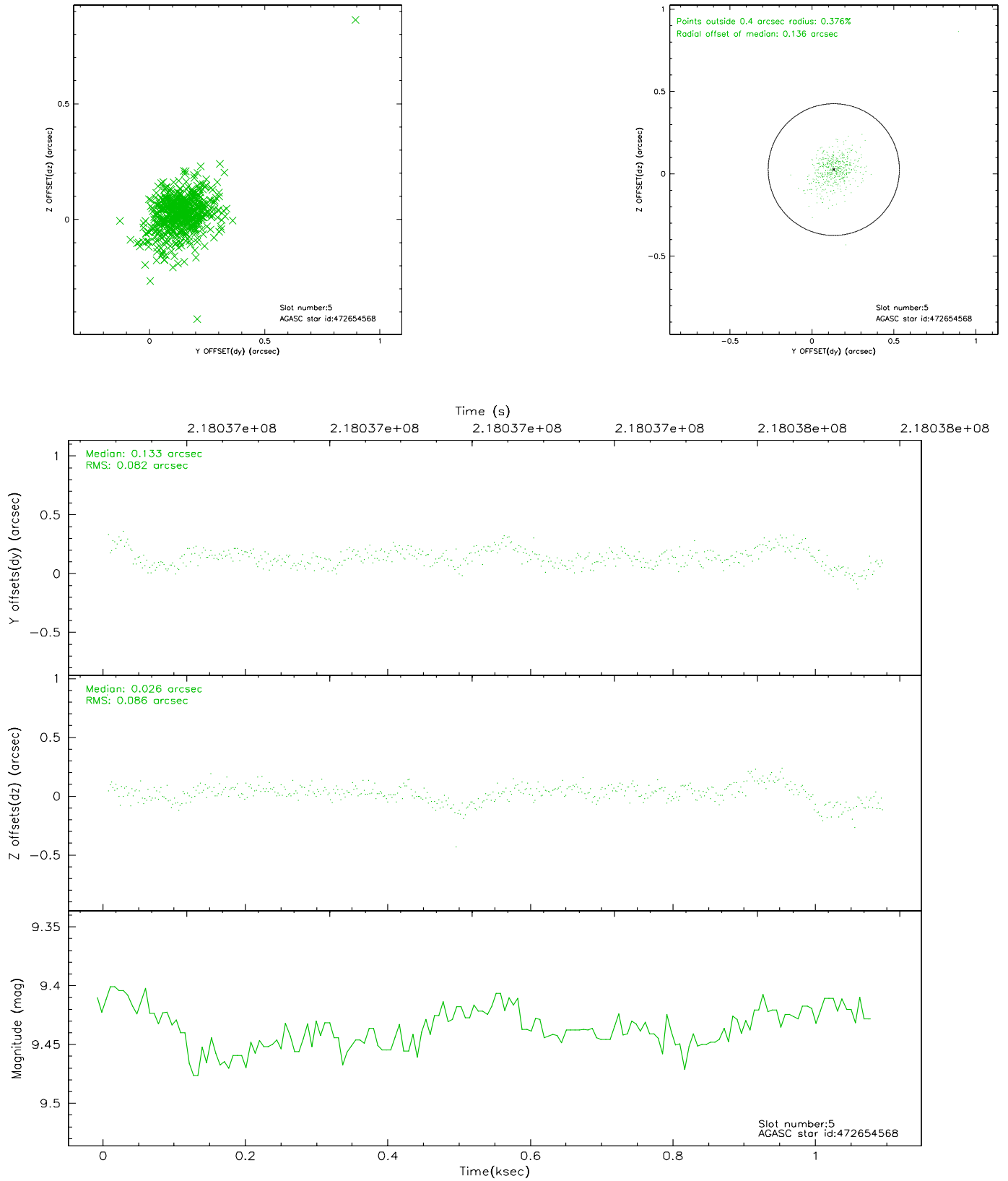
2.4.1 Slot 3



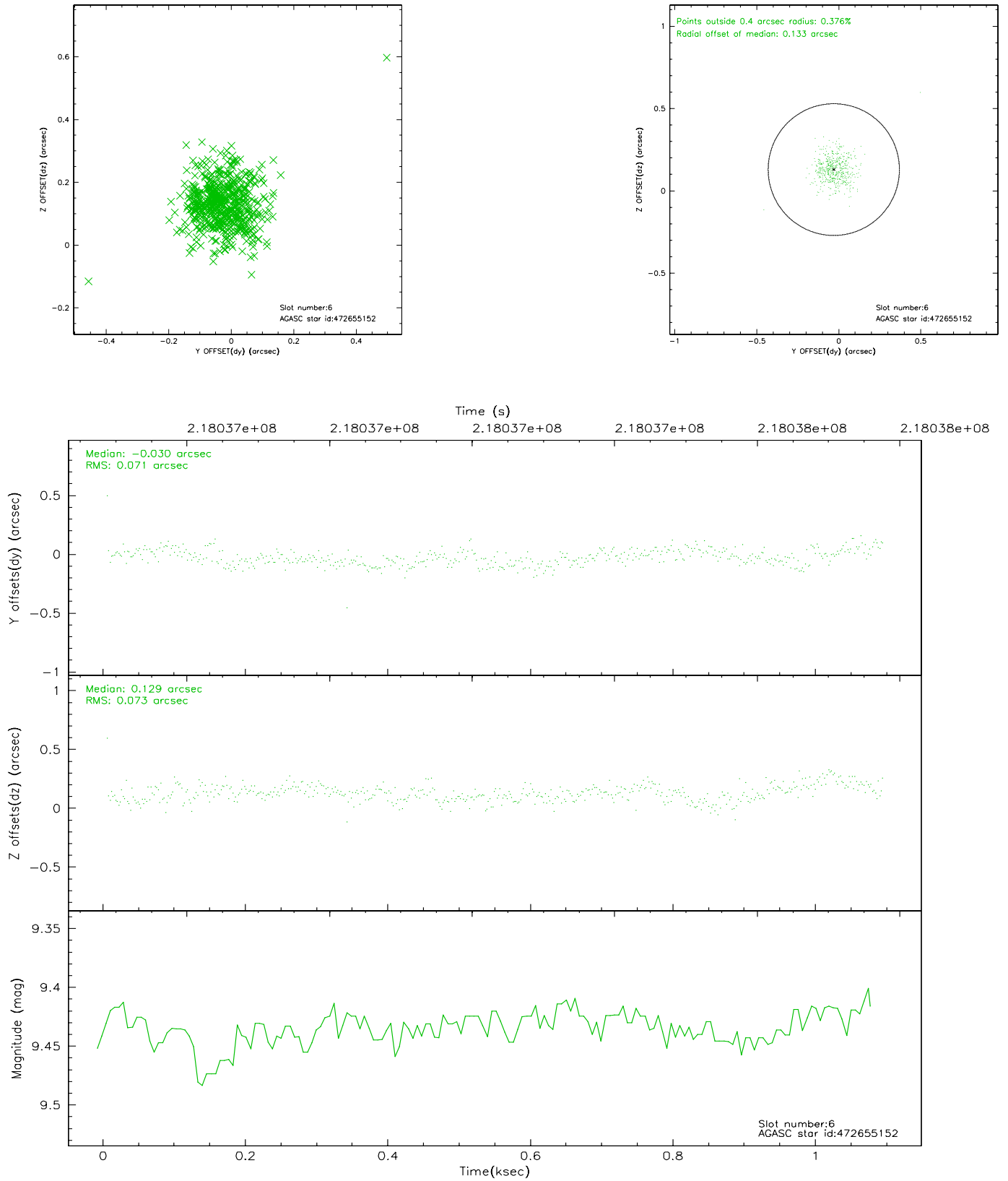
2.4.2 Slot 4



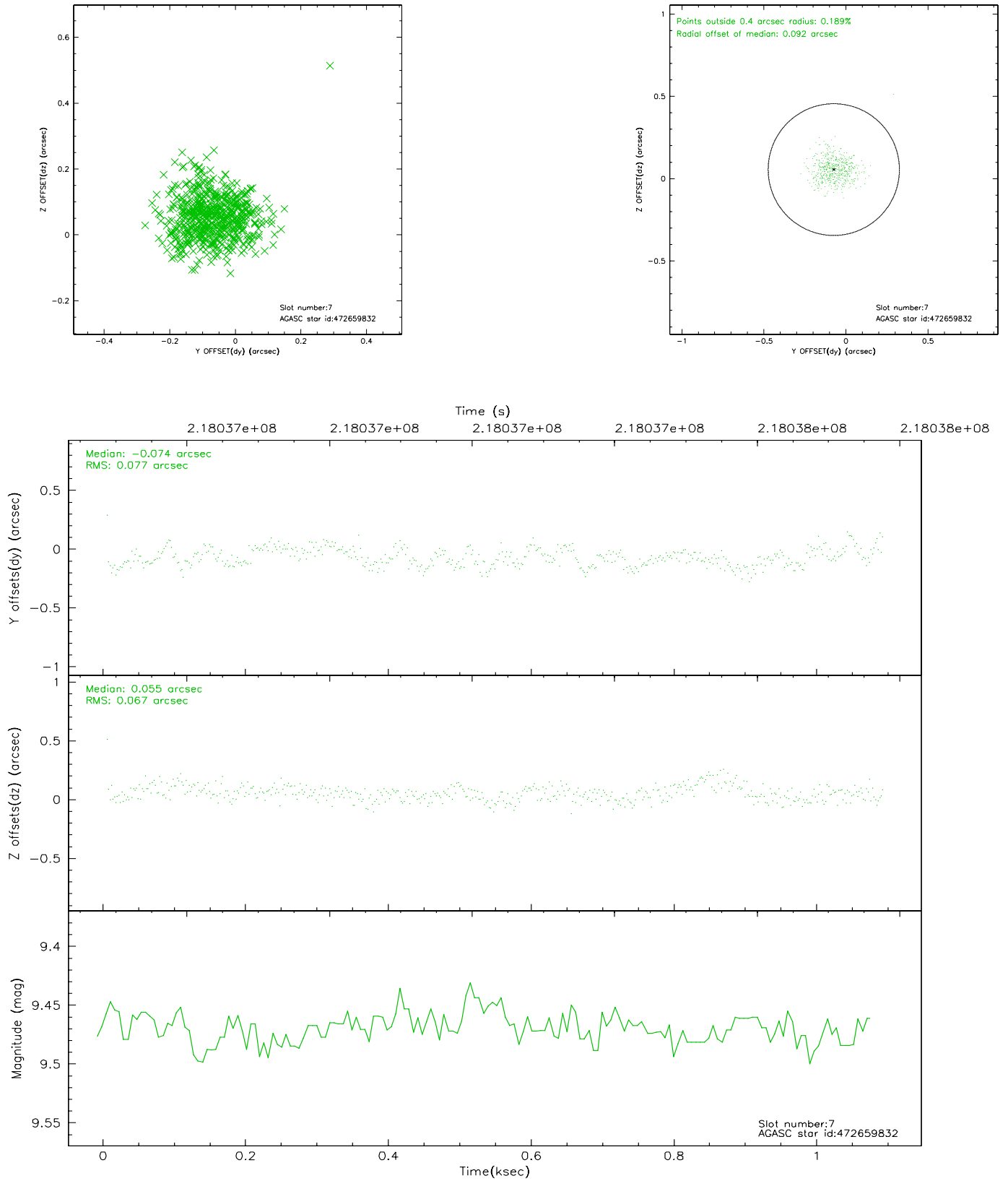
2.4.3 Slot 5



2.4.4 Slot 6

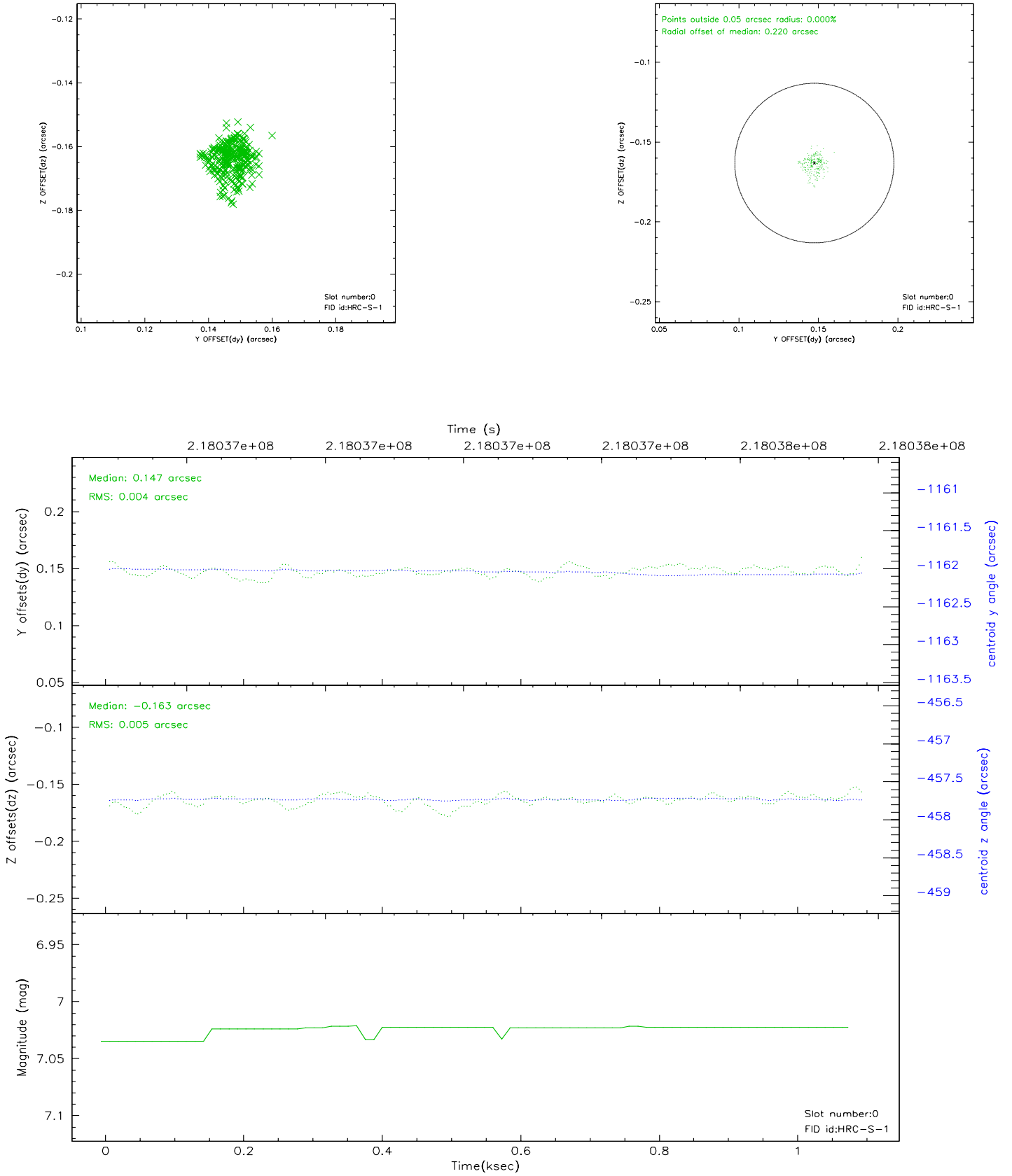


2.4.5 Slot 7

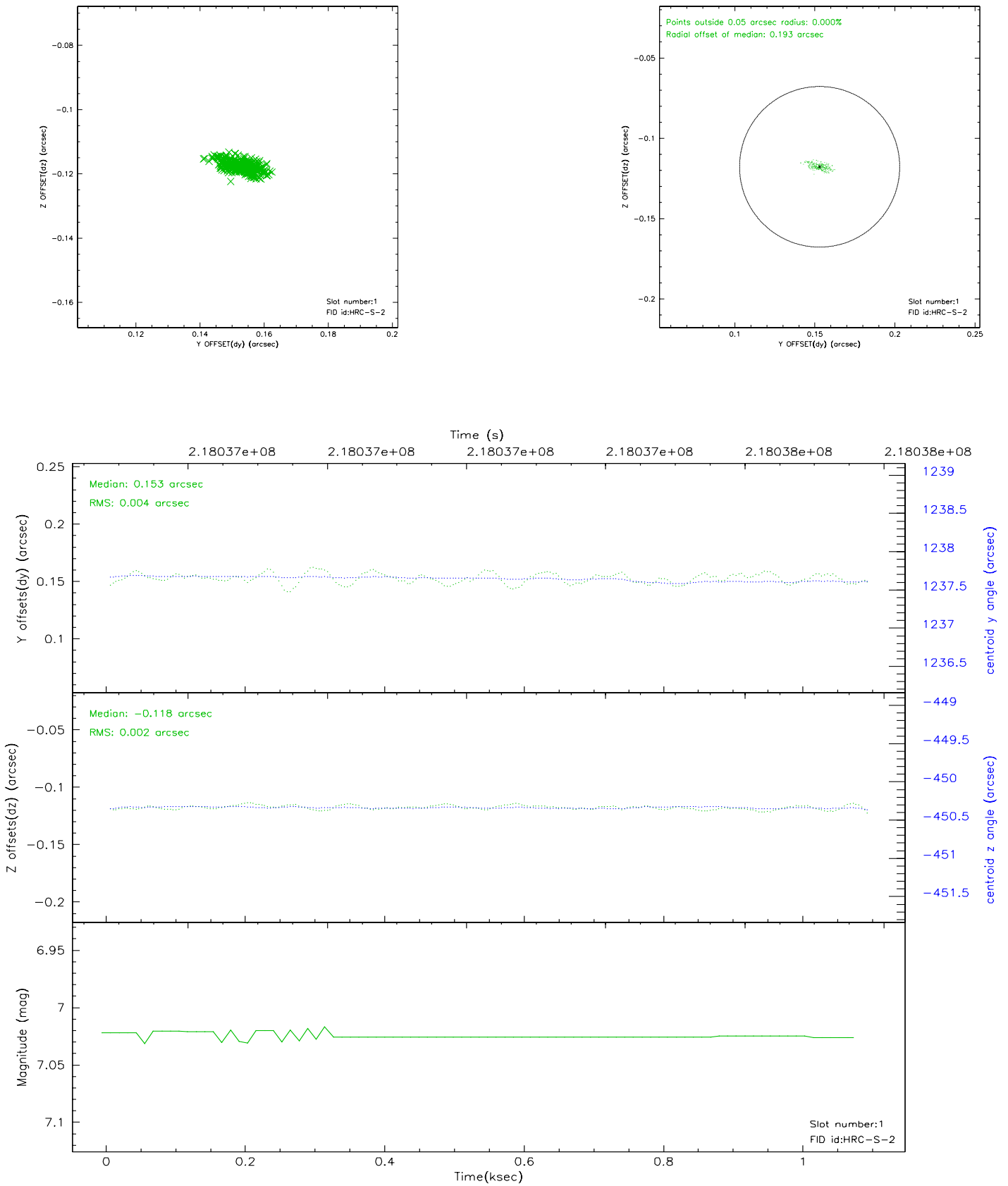


2.5 FID Slots

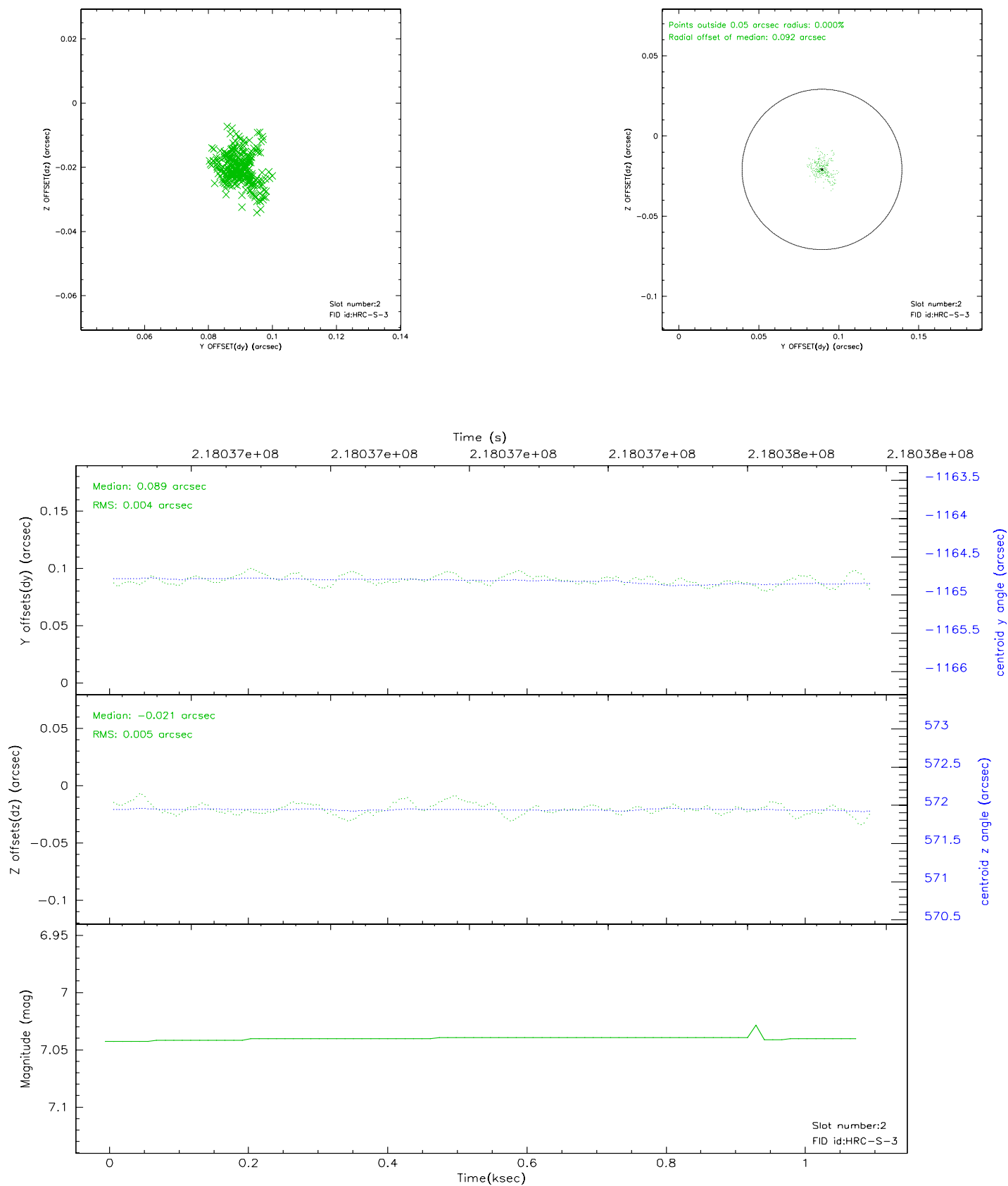
2.5.1 Slot 0



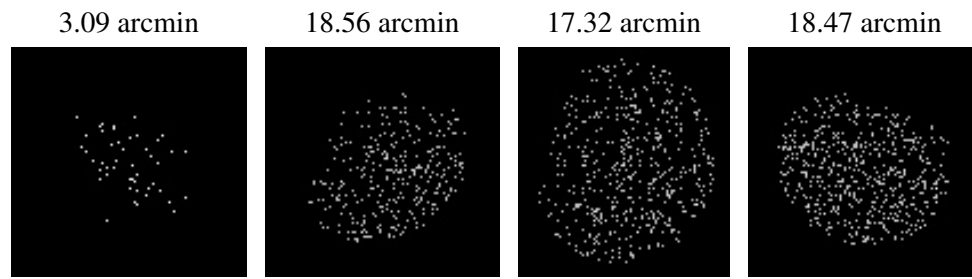
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.04.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.059081

A.2 Comments

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.